TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

May 17, 2010

TestAmerica Project Number: G0D170485
PO/Contract: 2027.01

Cindy Arnold
Tronox LLC / AIU Henderson, NV
PO Box 268859
Oklahoma City, OK 73126-8859

Dear Ms. Arnold,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on April 17, 2010. These samples are associated with your Tronox Henderson project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4383.

Sincerely,

DAVID R. ALLTUCKER
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G0D170485

Case Narrative

TestAmerica West Sacramento Project Number G0D170485

SOLID, 8290, Dioxins/Furans
Sample(s): 1, 5, 6, 15, 18
Several analytes in each sample have been qualified with a "Q" flag due to the ion abundance ratios being outside of criteria. The analytes have been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

The concentrations of several analytes exceeded the upper quantitation level of the initial calibration curve, but the peaks did not saturate the instrument detector. Historical data indicates that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported with the 'E" qualifier.

Some samples exhibited elevated noise or matrix interferences for requiring the detection limits to be raised appropriately. These analytes were flagged with the "G" qualifier.

Several internal standard recoveries are lower than the method recommended goal. Generally data quality is not considered affected if the internal standard signal to noise ratio is greater than 10:1 which is achieved for all internal standards in the samples. All detection limits are below the lower calibration limit and there is no adverse impact on data quality.

Sample(s): 1, 5, 6
The matrix spike/matrix spike duplicate (MS/MSD) associated with this extraction batch has recoveries outside the established control limits for several compounds. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control. This anomaly is most likely matrix related.

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on May 10, 2010.

1,2,3,7,8 PeCDF in the method blank (MB) has been qualified with a "Q" flag due to the ion abundance ratio being outside of criteria. This analyte has been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

Case Narrative

TestAmerica West Sacramento Project Number G0D170485

Sample(s): 15, 18
The matrix spike/matrix spike duplicate (MS/MSD) associated with this extraction batch has recoveries outside the established control limits for several analytes. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control. This anomaly is most likely matrix related. No further action was taken.

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on May 10, 2010 for sample 18, and May 13, 2010 for sample 15.

Sample(s): 15
The bracketing continuing calibration standard analyzed on May 13, 2010 at 22:45 has a response for 1,2,3,4,7,8-HxCDD that is between the method recommended criteria of 20%-25% deviation from the initial calibration curve. Per method guidelines, an average relative response factor (RRF) from the initial and bracketing continuing calibrations is used to quantitate any positive results in the associated samples. There is no adverse impact on the data as a result of this anomaly.

Sample(s): 15
The internal standard recovery for 13C-1,2,3,7,8 PeCDF is above the method recommended goal in the above sample. There are matrix effects in this sample that impact the sensitivity of the instrument at the retention time of the TCDD recovery standard. The lower than normal recovery standard contributes to elevated IS recovery. The quantitation of the target analytes is not adversely impacted by this anomaly.

There were no other anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G0D170485

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
LX5XK	1	SSAO6-03-1BPC	4/15/2010 07:30 AM	4/17/2010 09:25 AM
LX5XP	5	SA129-3BPC	4/15/2010 04:31 PM	4/17/2010 09:25 AM
LX5XR	6	SA129-4BPC	4/15/2010 04:37 PM	4/17/2010 09:25 AM
LX5X6	15	SA175-5BPC	4/15/2010 11:42 AM	4/17/2010 09:25 AM
LX50A	18	SA175-8BPC	4/15/2010 11:59 AM	4/17/2010 09:25 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

northgate
environmental management, inc.

1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 2
Cooler # of 1

COC # 02027.01.1926
Total # of Samples: 17 Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name	Test America Laboratories Inc	Site ID #	TRONOX LLC. HENDERSON	Send Invoice to	Susan Crowley Tronox LLC.
Address	880 Riverside Parkway	Project #	2027.01	Address	PO Box 55
	West Sacramento, CA 95605	Site Address	560 W Lake Mead Drive	City/State.	Henderson, NV 89009 Phone #: (949) 260-9293
Lab PM	David Alltucker	City	Henderson State, Zip NV, 89009	PO #	
Phone/Fax	(916) 373-5600	Site PM Name	Derrick Willis	Send EDD to	Frank.Hagar@ngem.com
Lab PM email	David.Alltucker@testamericainc.com	Phone/Fax	(949)375-7004	CC Hardcopy report to	PDF Electronic Version Only – FTP Upload
Applicable Lab Quote #		Site PM Email:	derrick.willis@ngem.com	CC Hardcopy report to	

Regular | Rush | X | Mark One

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Filtered	Preservative	Analysis PhB-SPM-8290 Screen	PhB-SPM-8290
1	SSAO6-03-1BPC	SSAO6-03	SO	G	N	04/15/2010	07:30	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	N	UNPRES	X	H
2	SSAO6-03-2BPC	SSAO6-03	SO	G	N	04/15/2010	07:36	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
3	SSAO6-03-3BPC	SSAO6-03	SO	G	N	04/15/2010	07:41	1	Hold All.			H	H
4	SSAO6-03-4BPC	SSAO6-03	SO	G	N	04/15/2010	07:47	1	Hold All.			H	H
5	SSAO6-03-5BPC	SSAO6-03	SO	G	N	04/15/2010	07:50	1	Hold All.			H	H
6	SSAO6-03-6BPC	SSAO6-03	SO	G	N	04/15/2010	07:54	1	Hold All.			H	H
7	SSAO6-03-7BPC	SSAO6-03	SO	G	N	04/15/2010	07:57	1	Hold All.			H	H
8	SSAO6-03-8BPC	SSAO6-03	SO	G	N	04/15/2010	08:01	1	Hold All.			H	H
9	SSAO6-03-9BPC	SSAO6-03	SO	G	N	04/15/2010	08:05	1	Hold All			H	H
10	SSAO6-03-10BPC	SSAO6-03	SO	G	N	04/15/2010	08:08	1	Hold All.			H	H
11	SA175-3BPC	SA175	SO	G	N	04/15/2010	11:31	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
12	SA175-4BPC	SA175	SO	G	N	04/15/2010	11:35	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
13	SA175-5BPC	SA175	SO	G	N	04/15/2010	11:42	1	Hold All.			H	H
14	SA175-6BPC	SA175	SO	G	N	04/15/2010	11:48	1	Hold All.			H	H
15	SA175-7BPC	SA175	SO	G	N	04/15/2010	11:54	1	Hold All.			H	H
16	SA175-8BPC	SA175	SO	G	N	04/15/2010	11:59	1	Hold All.			H	H
17	SA175-9BPC	SA175	SO	G	N	04/15/2010	12:04	1	Hold All			H	H

Additional Comments/Special Instructions:

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	4/15	1330		4/15/10	1330
	4/15	1640		4/15/10	1836
	4/16/10	1600		4-17-10	1130

Sample Receipt Conditions

Temp in OC	Samples on Ice?	Sample intact?	Trip Blank?
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SHIPPING INFO: Company | Tracking #:

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER Brock Dane | SIGNATURE of SAMPLER | DATE Signed 4/15 | Time 1330

northgate *environmental management, inc.*
1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of ② Cooler # of

COC # 02027.01.1929
Total # of Samples: 7
Event Complete?
Regular | Rush | X | Mark One

Required Ship to Lab:

Lab Name	Test America Laboratories Inc
Address	880 Riverside Parkway West Sacramento, CA 95605
Lab PM	David Alltucker
Phone/Fax	(916) 373-5600
Lab PM email	David.Alltucker@testamericainc.com
Applicable Lab Quote #	

Required Project Information:

Site ID #	TRONOX LLC. HENDERSON
Project #	2027.01
Site Address	560 W Lake Mead Drive
City	Henderson
State, Zip	NV, 89009
Site PM Name	Derrick Willis
Phone/Fax	(949)375-7004
Site PM Email	derrick.willis@ngem.com

Required Invoice Information:

Send Invoice to	Susan Crowley Tronox LLC.
Address	PO Box 55
City/State	Henderson, NV 89009
Phone #	(949) 260-9293
PO #	
Send EDD to	Frank.Hagar@ngem.com
CC Hardcopy report to	PDF Electronic Version Only – FTP Upload
CC Hardcopy report to	

Filtered: N
Preservative: UNPRES

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	PhB-SPM-8290 Screen	PhB-SPM-8290
1	SA129-3BPC	SA129	SO	G	N	04/15/2010	16:31	1	24 hr TAT 8290 Screen Hold 8290 Full	X	H
2	SA129-4BPC	SA129	SO	G	N	04/15/2010	16 37	1	24 hr TAT 8290 Screen Hold 8290 Full	X	H
3	SA129-5BPC	SA129	SO	G	N	04/15/2010	16.44	1	Hold All	H	H
4	SA129-6BPC	SA129	SO	G	N	04/15/2010	16:51	1	Hold All	H	H
5	SA129-7BPC	SA129	SO	G	N	04/15/2010	16 57	1	Hold All	H	H
6	SA129-8BPC	SA129	SO	G	N	04/15/2010	17:00	1	Hold All	H	H
7	SA129-9BPC	SA129	SO	G	N	04/15/2010	17.05	1	Hold All	H	H

Additional Comments/Special Instructions:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Becki [signature]	4/15	1805	[signature]	4/15/10	1805
[signature]	4/16/10	1140	[signature]	4/16/10	1345
[signature]	4/16/10	1600	[signature]	4-17-10	1130

Sample Receipt Conditions			
Temp in 0C	Samples on Ice?	Sample intact?	Trip Blank?
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SHIPPING INFO
Company:
Tracking #:

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Becki Davis
SIGNATURE of SAMPLER: [signature]
DATE Signed: 4/15
Time: 1805

Released 4/20

northgate
environmental management, inc.

1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed and accurate

COC # 02027.01.1926 ACTIVATED 2010-04-19

Total # of Samples. 17 Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name:	Test America Laboratories Inc	Site ID #:	TRONOX LLC HENDERSON	Send Invoice to:	Susan Crowley Tronox LLC
Address	880 Riverside Parkway	Project #	2027.01	Address:	PO Box 55
	West Sacramento, CA 95605	Site Address	560 W Lake Mead Drive	City/State	Henderson, NV 89009 Phone #: (949) 260-9293
Lab PM:	David Alltucker	City	Henderson State, Zip NV, 89009	PO #	
Phone/Fax:	(916) 373-5600	Site PM Name	Derrick Willis	Send EDD to	Frank.Hagar@ngem.com
Lab PM email	David.Alltucker@testamericainc.com	Phone/Fax:	(949)375-7004	CC Hardcopy report to	PDF Electronic Version Only -- FTP Upload
Applicable Lab Quote #:		Site PM Email:	derrick.willis@ngem.com	CC Hardcopy report to	

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Analysis PHB-SPM-8290 Screen	Analysis PHB-SPM-8290	Preservative UNPRES	Filtered N	Regular				Rush		X	Mark One		
1	SSAO6-03-1BPC	SSAO6-03	SO	G	N	04/15/2010	07:30	1	screen completed, 10-d TAT 8290 full	X	X			G0D170485-1									
2	SSAO6-03-2BPC	SSAO6-03	SO	G	N	04/15/2010	07:36	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H												
3	SSAO6-03-3BPC	SSAO6-03	SO	G	N	04/15/2010	07:41	1	Hold All.	H	H												
4	SSAO6-03-4BPC	SSAO6-03	SO	G	N	04/15/2010	07:47	1	Hold All.	H	H												
5	SSAO6-03-5BPC	SSAO6-03	SO	G	N	04/15/2010	07:50	1	Hold All.	H	H												
6	SSAO6-03-6BPC	SSAO6-03	SO	G	N	04/15/2010	07:54	1	Hold All.	H	H												
7	SSAO6-03-7BPC	SSAO6-03	SO	G	N	04/15/2010	07:57	1	Hold All.	H	H												
8	SSAO6-03-8BPC	SSAO6-03	SO	G	N	04/15/2010	08:01	1	Hold All.	H	H												
9	SSAO6-03-9BPC	SSAO6-03	SO	G	N	04/15/2010	08:05	1	Hold All	H	H												
10	SSAO6-03-10BPC	SSAO6-03	SO	G	N	04/15/2010	08:08	1	Hold All.	H	H												
11	SA175-3BPC	SA175	SO	G	N	04/15/2010	11:31	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H												
12	SA175-4BPC	SA175	SO	G	N	04/15/2010	11:35	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H												
13	SA175-5BPC	SA175	SO	G	N	04/15/2010	11:42	1	**24 hr TAT 8290 SCREEN, Hold 8290 Full**	X	H			G0D170485-15									
14	SA175-6BPC	SA175	SO	G	N	04/15/2010	11:48	1	**24 hr TAT 8290 SCREEN, Hold 8290 Full**	X	H			G0D170485-16									
15	SA175-7BPC	SA175	SO	G	N	04/15/2010	11:54	1	Hold All	H	H												
16	SA175-8BPC	SA175	SO	G	N	04/15/2010	11:59	1	Hold All.	H	H												
17	SA175-9BPC	SA175	SO	G	N	04/15/2010	12:04	1	Hold All.	H	H												

Additional Comments/Special Instructions:

Modified by Joni Fisher NGEM, modifications in bold font

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

Sample Receipt Conditions

Y/N	Y/N	Y/N	
Y/N	Y/N	Y/N	
Y/N	Y/N	Y/N	
Y/N	Y/N	Y/N	
Temp in 0C	Samples on Ice?	Sample intact?	Trip Blank?

SHIPPING INFO

Company:

Tracking #:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER DATE Signed Time:

Released 4/20

northgate
environmental management, inc

1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # of

COC # 02027.01.1929 ACTIVATED 2010-04-19

Total # of Samples: 7 Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information	
Lab Name	Test America Laboratories Inc	Site ID #	TRONOX LLC. HENDERSON	Send Invoice to	Susan Crowley Tronox LLC.
Address	880 Riverside Parkway	Project #	2027.01	Address:	PO Box 55
	West Sacramento, CA 95605	Site Address	560 W Lake Mead Drive	City/State	Henderson, NV 89009 Phone # (949) 260-9293
Lab PM	David Alltucker	City	Henderson State, Zip NV, 89009	PO #	
Phone/Fax	(916) 373-5600	Site PM Name	Derrick Willis	Send EDD to	Frank.Hagar@ngem.com
Lab PM email	David.Alltucker@testamericainc.com	Phone/Fax	(949)375-7004	CC Hardcopy report to	PDF Electronic Version Only – FTP Upload
Applicable Lab Quote #		Site PM Email	derrick.willis@ngem.com	CC Hardcopy report to	

										Regular					Rush		X	Mark One		
ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Analysis	PhB-SPM-8290 Screen	PhB-SPM-8290	Filtered?	Preservative?						
													N	UNPRES						
1	SA129-3BPC	SA129	SO	G	N	04/15/2010	16:31	1	screen completed. 10-D TAT full 8290	X	X							(600)170485-5		
2	SA129-4BPC	SA129	SO	G	N	04/15/2010	16:37	1	screen completed, 10-D TAT full 8290	X	X							(600)170485-6		
3	SA129-5BPC	SA129	SO	G	N	04/15/2010	16:44	1	Hold All	H	H									
4	SA129-6BPC	SA129	SO	G	N	04/15/2010	16:51	1	Hold All	H	H									
5	SA129-7BPC	SA129	SO	G	N	04/15/2010	16:57	1	Hold All	H	H									
6	SA129-8BPC	SA129	SO	G	N	04/15/2010	17:00	1	Hold All	H	H									
7	SA129-9BPC	SA129	SO	G	N	04/15/2010	17:05	1	Hold All	H	H									

Additional Comments/Special Instructions:
modified by Joni Fisher NGEM, modifications in bold font

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SHIPPING INFO	SAMPLER NAME AND SIGNATURE
Company:	PRINT Name of SAMPLER
Tracking #:	SIGNATURE of SAMPLER DATE Signed Time

Sample Receipt Conditions			
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in OC	Samples on Ice?	Sample intact?	Trip Blank?

Recieved 4/21

northgate
environmental management, inc
1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Page: 1 of 1
Cooler # of

COC # 02027.01.1926 ACTIVATED 2010-04-20
Total # of Samples: 17 Event Complete?

Regular | Rush | X | Mark One

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name	Test America Laboratories Inc	Site ID #.	TRONOX LLC. HENDERSON	Send Invoice to	Susan Crowley Tronox LLC.
Address	880 Riverside Parkway	Project #	2027.01	Address	PO Box 55
	West Sacramento, CA 95605	Site Address	560 W Lake Mead Drive	City/State	Henderson, NV 89009 Phone #: (949) 260-9293
Lab PM.	David Alltucker	City	Henderson State, Zip NV, 89009	PO #	
Phone/Fax	(916) 373-5600	Site PM Name	Derrick Willis	Send EDD to	Frank.Hagar@ngem.com
Lab PM email	David.Alltucker@testamericainc.com	Phone/Fax	(949)375-7004	CC Hardcopy report to	PDF Electronic Version Only -- FTP Upload
Applicable Lab Quote #		Site PM Email:	derrick.willis@ngem.com	CC Hardcopy report to	

Filtered: N
Preservative: UNPRES

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	PhB-SPM-8290 Screen	PhB-SPM-8290	
1	SSAO6-03-1BPC	SSAO6-03	SO	G	N	04/15/2010	07:30	1	screen completed. 10-d TAT 8290 full	X	X	
2	SSAO6-03-2BPC	SSAO6-03	SO	G	N	04/15/2010	07:36	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H	
3	SSAO6-03-3BPC	SSAO6-03	SO	G	N	04/15/2010	07:41	1	Hold All.	H	H	
4	SSAO6-03-4BPC	SSAO6-03	SO	G	N	04/15/2010	07:47	1	Hold All.	H	H	
5	SSAO6-03-5BPC	SSAO6-03	SO	G	N	04/15/2010	07:50	1	Hold All.	H	H	
6	SSAO6-03-6BPC	SSAO6-03	SO	G	N	04/15/2010	07:54	1	Hold All.	H	H	
7	SSAO6-03-7BPC	SSAO6-03	SO	G	N	04/15/2010	07:57	1	Hold All.	H	H	
8	SSAO6-03-8BPC	SSAO6-03	SO	G	N	04/15/2010	08:01	1	Hold All.	H	H	
9	SSAO6-03-9BPC	SSAO6-03	SO	G	N	04/15/2010	08:05	1	Hold All.	H	H	
10	SSAO6-03-10BPC	SSAO6-03	SO	G	N	04/15/2010	08.08	1	Hold All	H	H	
11	SA175-3BPC	SA175	SO	G	N	04/15/2010	11:31	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H	
12	SA175-4BPC	SA175	SO	G	N	04/15/2010	11:35	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H	
13	SA175-5BPC	SA175	SO	G	N	04/15/2010	11:42	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H	
14	SA175-6BPC	SA175	SO	G	N	04/15/2010	11:48	1	24 hr TAT 8290 SCREEN, Hold 8290 Full	X	H	
15	SA175-7BPC	SA175	SO	G	N	04/15/2010	11:54	1	**24 hr TAT 8290 SCREEN, Hold 8290 Full**	X	H	G0D170485-17
16	SA175-8BPC	SA175	SO	G	N	04/15/2010	11:59	1	**24 hr TAT 8290 SCREEN, Hold 8290 Full**	X	H	G0D170485-18
17	SA175-9BPC	SA175	SO	G	N	04/15/2010	12:04	1	Hold All	H	H	

Additional Comments/Special Instructions:
Modified by Joni Fisher NGEM, modifications in bold font

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

Sample Receipt Conditions

Temp in 0C	Samples on Ice?	Sample intact?	Trip Blank?
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SHIPPING INFO: Company: Tracking #:
SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: SIGNATURE of SAMPLER: DATE Signed Time:

Received 4/22

northgate
environmental management, inc.

1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

COC # 02027.01.1926 ACTIVATED 2010-04-21

Total # of Samples: 17 Event Complete?

Regular | Rush | X | Mark One

Required Ship to Lab:

Lab Name	Test America Laboratories Inc
Address:	880 Riverside Parkway
	West Sacramento, CA 95605
Lab PM	David Alltucker
Phone/Fax	(916) 373-5600
Lab PM email	David.Alltucker@testamericainc.com
Applicable Lab Quote #	

Required Project Information:

Site ID #:	TRONOX LLC. HENDERSON
Project #	2027.01
Site Address	560 W Lake Mead Drive
City	Henderson
State, Zip	NV, 89009
Site PM Name	Derrick Willis
Phone/Fax:	(949)375-7004
Site PM Email:	derrick.willis@ngem.com

Required Invoice Information:

Send Invoice to:	Susan Crowley Tronox LLC.
Address:	PO Box 55
City/State:	Henderson, NV 89009
Phone #	(949) 260-9293
PO #	
Send EDD to	Frank.Hagar@ngem.com
CC Hardcopy report to	PDF Electronic Version Only – FTP Upload
CC Hardcopy report to	

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	# Filtered	Preservative	Analysis: Pb8-SPM-8290 Screen	Pb8-SPM-8290
1	SSAO6-03-1BPC	SSAO6-03	SO	G	N	04/15/2010	07:30	1	screen completed, 10-d TAT 8290 full	N	UNPRES	X	X
2	SSAO6-03-2BPC	SSAO6-03	SO	G	N	04/15/2010	07:36	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
3	SSAO6-03-3BPC	SSAO6-03	SO	G	N	04/15/2010	07:41	1	Hold All.			H	H
4	SSAO6-03-4BPC	SSAO6-03	SO	G	N	04/15/2010	07:47	1	Hold All.			H	H
5	SSAO6-03-5BPC	SSAO6-03	SO	G	N	04/15/2010	07:50	1	Hold All.			H	H
6	SSAO6-03-6BPC	SSAO6-03	SO	G	N	04/15/2010	07:54	1	Hold All.			H	H
7	SSAO6-03-7BPC	SSAO6-03	SO	G	N	04/15/2010	07:57	1	Hold All.			H	H
8	SSAO6-03-8BPC	SSAO6-03	SO	G	N	04/15/2010	08:01	1	Hold All.			H	H
9	SSAO6-03-9BPC	SSAO6-03	SO	G	N	04/15/2010	08:05	1	Hold All.			H	H
10	SSAO6-03-10BPC	SSAO6-03	SO	G	N	04/15/2010	08:08	1	Hold All.			H	H
11	SA175-3BPC	SA175	SO	G	N	04/15/2010	11:31	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
12	SA175-4BPC	SA175	SO	G	N	04/15/2010	11:35	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
13	SA175-5BPC	SA175	SO	G	N	04/15/2010	11:42	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
14	SA175-6BPC	SA175	SO	G	N	04/15/2010	11:48	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
15	SA175-7BPC	SA175	SO	G	N	04/15/2010	11:54	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
16	SA175-8BPC	SA175	SO	G	N	04/15/2010	11:59	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
17	SA175-9BPC	SA175	SO	G	N	04/15/2010	12:04	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H

Additional Comments/Special Instructions.

Modified by Joni Fisher NGEM, modifications in bold font

RELINQUISHED BY: AFFILIATION	DATE	TIME	ACCEPTED BY: AFFILIATION	DATE	TIME

Sample Receipt Conditions

Temp in OC	Samples on Ice?	Sample Intact?	Trip Blank?
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SHIPPING INFO: Company: Tracking #:

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER | SIGNATURE of SAMPLER | DATE Signed | Time

Received 4/23

northgate
environmental management, inc.

1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # of

COC # 02027.01.1926 ACTIVATED 2010-04-22

Total # of Samples: 17 Event Complete?

Required Ship to Lab:

Lab Name:	Test America Laboratories Inc
Address:	880 Riverside Parkway
	West Sacramento, CA 95605
Lab PM	David Althucker
Phone/Fax	(916) 373-5600
Lab PM email	David.Althucker@testamericainc.com
Applicable Lab Quote #	

Required Project Information:

Site ID #:	TRONOX LLC. HENDERSON
Project #	2027.01
Site Address	560 W Lake Mead Drive
City	Henderson
State, Zip	NV, 89009
Site PM Name	Derrick Willis
Phone/Fax	(949)375-7004
Site PM Email	derrick.willis@ngem.com

Required Invoice Information:

Send Invoice to	Susan Crowley Tronox LLC.
Address	PO Box 55
City/State	Henderson, NV 89009
Phone #	(949) 260-9293
PO #	
Send EDD to	Frank.Hagar@ngem.com
CC Hardcopy report to	PDF Electronic Version Only – FTP Upload
CC Hardcopy report to	

Regular | Rush | X | Mark One

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Preservative: Filtered: N	Preservative: UNPRES	Analysis: PHB-SPM-8290 Screen	Analysis: PHB-SPM-8290
1	SSAO6-03-1BPC	SSAO6-03	SO	G	N	04/15/2010	07:30	1	screen completed, 10-d TAT 8290 full			X	X
2	SSAO6-03-2BPC	SSAO6-03	SO	G	N	04/15/2010	07:36	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
3	SSAO6-03-3BPC	SSAO6-03	SO	G	N	04/15/2010	07:41	1	Hold All.			H	H
4	SSAO6-03-4BPC	SSAO6-03	SO	G	N	04/15/2010	07:47	1	Hold All.			H	H
5	SSAO6-03-5BPC	SSAO6-03	SO	G	N	04/15/2010	07:50	1	Hold All			H	H
6	SSAO6-03-6BPC	SSAO6-03	SO	G	N	04/15/2010	07:54	1	Hold All.			H	H
7	SSAO6-03-7BPC	SSAO6-03	SO	G	N	04/15/2010	07:57	1	Hold All.			H	H
8	SSAO6-03-8BPC	SSAO6-03	SO	G	N	04/15/2010	08:01	1	Hold All.			H	H
9	SSAO6-03-9BPC	SSAO6-03	SO	G	N	04/15/2010	08.05	1	Hold All.			H	H
10	SSAO6-03-10BPC	SSAO6-03	SO	G	N	04/15/2010	08.08	1	Hold All.			H	H
11	SA175-3BPC	SA175	SO	G	N	04/15/2010	11:31	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
12	SA175-4BPC	SA175	SO	G	N	04/15/2010	11 35	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
13	SA175-5BPC	SA175	SO	G	N	04/15/2010	11.42	1	screen completed, 10-d TAT 8290 full			X	X
14	SA175-6BPC	SA175	SO	G	N	04/15/2010	11:48	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
15	SA175-7BPC	SA175	SO	G	N	04/15/2010	11.54	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H
16	SA175-8BPC	SA175	SO	G	N	04/15/2010	11:59	1	screen completed, 10-d TAT 8290 full			X	X
17	SA175-9BPC	SA175	SO	G	N	04/15/2010	12:04	1	24 hr TAT 8290 SCREEN, Hold 8290 Full			X	H

G0D170485-15

G0D170485-18

Additional Comments/Special Instructions:

Modified by Joni Fisher NGEM, modifications in bold font

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

Sample Receipt Conditions

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in OC	Samples on Ice?	Sample intact?	Trip Blank?

SHIPPING INFO

Company:

Tracking #:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER

SIGNATURE of SAMPLER

DATE Signed

Time

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT Northgate PM DA LOG # 64295

LOT# (QUANTIMS ID) G0D170485 QUOTE# 84087 LOCATION WSF

Checked (✓)

DATE RECEIVED 4-17-10 TIME RECEIVED 925 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ CLIENT

☐ GOLDENSTATE ☐ UPS ☐ GO-GETTERS ☐ OTHER

☐ TAL COURIER ☐ TAL SF ☐ VALLEY LOGISTICS ☑

CUSTODY SEAL STATUS ☑ INTACT ☐ BROKEN ☐ N/A ☑

CUSTODY SEAL #(S) Seal

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

COC #(S) 2027.01.1929, -1926 ☑

TEMPERATURE BLANK Observed: NA Corrected:

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 3, 4, 5 Average 4 Corrected Average 4

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☐ #5 ☑ ☐ OTHER ☑

NV 4-17-10
Initials Date

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☐

LABELS CHECKED BY..... ☑

PEER REVIEW ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A ☑

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

NV 4-17-10
Initials Date

Notes

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0D170485

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 → 24
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1 (24)
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 8290, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: SSAO6-03-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 001	**Work Order #....:**	LX5XK1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	4.7
Prep Batch # ....:	0110455	**Dilution Factor....:**	0.99	**Units.....:**	pg/g
Initial Wgt/Vol :	10.09 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	1.4		0.52	1.0	1.4
1,2,3,7,8-PeCDD	4.4		2.6	1.0	4.4
1,2,3,4,7,8-HxCDD	2.9		2.6	0.1	0.29
1,2,3,6,7,8-HxCDD	6.1		2.6	0.1	0.61
1,2,3,7,8,9-HxCDD	5.1		2.6	0.1	0.51
1,2,3,4,6,7,8-HpCDD	24		2.6	0.01	0.24
OCDD	35		5.2	0.0003	0.010
2,3,7,8-TCDF	32	CON B	0.52	0.1	3.2
1,2,3,7,8-PeCDF	64	B	2.6	0.03	1.9
2,3,4,7,8-PeCDF	35		2.6	0.3	10
1,2,3,4,7,8-HxCDF	140		2.6	0.1	14
1,2,3,6,7,8-HxCDF	100		2.6	0.1	10.0
2,3,4,6,7,8-HxCDF	27		2.6	0.1	2.7
1,2,3,7,8,9-HxCDF	15		2.6	0.1	1.5
1,2,3,4,6,7,8-HpCDF	320	B	2.6	0.01	3.2
1,2,3,4,7,8,9-HpCDF	180		2.6	0.01	1.8
OCDF	860		5.2	0.0003	0.26

Total TEQ Concentration 56

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	62		40 - 135
13C-1,2,3,7,8-PeCDD	66		40 - 135
13C-1,2,3,6,7,8-HxCDD	59		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	32	*	40 - 135
13C-OCDD	16	*	40 - 135
13C-2,3,7,8-TCDF	57		40 - 135
13C-1,2,3,7,8-PeCDF	58		40 - 135
13C-1,2,3,4,7,8-HxCDF	47		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	28	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAO6-03-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 001	**Work Order #....:**	LX5XK1AC	**Matrix.....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	4.7
Prep Batch # ....:	0110455	**Dilution Factor....:**	0.99	**Units.....:**	pg/g
Initial Wgt/Vol :	10.09 g	**Analyst ID....:**	Sonia Ouni		

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
CON	Confirmation analysis

Northgate Environmental Management, Inc.

Sample ID: SSAO6-03-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 001	**Work Order #....:**	LX5XK1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.99
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	4.7
Prep Batch # ....:	0110455	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.09 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	**1.4**		**0.52**	**0.053**	**pg/g**
1,2,3,7,8-PeCDD	**4.4**		**2.6**	**0.11**	**pg/g**
1,2,3,4,7,8-HxCDD	**2.9**		**2.6**	**0.11**	**pg/g**
1,2,3,6,7,8-HxCDD	**6.1**		**2.6**	**0.10**	**pg/g**
1,2,3,7,8,9-HxCDD	**5.1**		**2.6**	**0.095**	**pg/g**
1,2,3,4,6,7,8-HpCDD	**24**		**2.6**	**0.38**	**pg/g**
OCDD	**35**		**5.2**	**0.27**	**pg/g**
2,3,7,8-TCDF	**32**	**CON B**	**0.52**	**0.26**	**pg/g**
1,2,3,7,8-PeCDF	**64**	**B**	**2.6**	**0.38**	**pg/g**
2,3,4,7,8-PeCDF	**35**		**2.6**	**0.40**	**pg/g**
1,2,3,4,7,8-HxCDF	**140**		**2.6**	**1.0**	**pg/g**
1,2,3,6,7,8-HxCDF	**100**		**2.6**	**0.95**	**pg/g**
2,3,4,6,7,8-HxCDF	**27**		**2.6**	**1.0**	**pg/g**
1,2,3,7,8,9-HxCDF	**15**		**2.6**	**1.2**	**pg/g**
1,2,3,4,6,7,8-HpCDF	**320**	**B**	**2.6**	**1.8**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**180**		**2.6**	**2.3**	**pg/g**
OCDF	**860**		**5.2**	**0.28**	**pg/g**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	62		40 - 135
13C-1,2,3,7,8-PeCDD	66		40 - 135
13C-1,2,3,6,7,8-HxCDD	59		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	32	*	40 - 135
13C-OCDD	16	*	40 - 135
13C-2,3,7,8-TCDF	57		40 - 135
13C-1,2,3,7,8-PeCDF	58		40 - 135
13C-1,2,3,4,7,8-HxCDF	47		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	28	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level

CON Confirmation analysis.

Northgate Environmental Management, Inc.

Sample ID: SA129-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 005	**Work Order #....:**	LX5XP1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0110455	**Dilution Factor....:**	0.99	**Units.....:**	pg/g
Initial Wgt/Vol :	10.08 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	5.9		0.56	1.0	5.9
1,2,3,7,8-PeCDD	20		2.8	1.0	20
1,2,3,4,7,8-HxCDD	13		2.8	0.1	1.3
1,2,3,6,7,8-HxCDD	27		2.8	0.1	2.7
1,2,3,7,8,9-HxCDD	25		2.8	0.1	2.5
1,2,3,4,6,7,8-HpCDD	85		2.8	0.01	0.85
OCDD	130		5.6	0.0003	0.039
2,3,7,8-TCDF	190	CON B	0.84	0.1	19
1,2,3,7,8-PeCDF	640	B	2.8	0.03	19
2,3,4,7,8-PeCDF	290		2.8	0.3	87
1,2,3,4,7,8-HxCDF	1200	E G	4.9	0.1	120
1,2,3,6,7,8-HxCDF	710	G	4.4	0.1	71
2,3,4,6,7,8-HxCDF	130	G	4.9	0.1	13
1,2,3,7,8,9-HxCDF	150	G	5.5	0.1	15
1,2,3,4,6,7,8-HpCDF	2100	E G B	4.9	0.01	21
1,2,3,4,7,8,9-HpCDF	1100	G	6.3	0.01	11
OCDF	5200	E	5.6	0.0003	1.6
Total TEQ Concentration					410

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	69		40 - 135
13C-1,2,3,7,8-PeCDD	72		40 - 135
13C-1,2,3,6,7,8-HxCDD	64		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	58		40 - 135
13C-OCDD	35	*	40 - 135
13C-2,3,7,8-TCDF	59		40 - 135
13C-1,2,3,7,8-PeCDF	67		40 - 135
13C-1,2,3,4,7,8-HxCDF	52		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	44		40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA129-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 005	**Work Order #....:**	LX5XP1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0110455	**Dilution Factor....:**	0.99	**Units.....:**	pg/g
Initial Wgt/Vol :	10.08 g	**Analyst ID....:**	Sonia Ouni		

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
CON	Confirmation analysis.
E	Estimated result. Result concentration exceeds the calibration range.
G	Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA129-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 005	**Work Order #....:**	LX5XP1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.99
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0110455	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.08 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	5.9		0.56	0.20	pg/g
1,2,3,7,8-PeCDD	20		2.8	0.36	pg/g
1,2,3,4,7,8-HxCDD	13		2.8	0.27	pg/g
1,2,3,6,7,8-HxCDD	27		2.8	0.24	pg/g
1,2,3,7,8,9-HxCDD	25		2.8	0.22	pg/g
1,2,3,4,6,7,8-HpCDD	85		2.8	0.40	pg/g
OCDD	130		5.6	0.74	pg/g
2,3,7,8-TCDF	190	CON B	0.84	0.25	pg/g
1,2,3,7,8-PeCDF	640	B	2.8	2.0	pg/g
2,3,4,7,8-PeCDF	290		2.8	2.1	pg/g
1,2,3,4,7,8-HxCDF	1200	E G	4.9	4.9	pg/g
1,2,3,6,7,8-HxCDF	710	G	4.4	4.4	pg/g
2,3,4,6,7,8-HxCDF	130	G	4.9	4.9	pg/g
1,2,3,7,8,9-HxCDF	150	G	5.5	5.5	pg/g
1,2,3,4,6,7,8-HpCDF	2100	E G B	4.9	4.9	pg/g
1,2,3,4,7,8,9-HpCDF	1100	G	6.3	6.3	pg/g
OCDF	5200	E	5.6	0.16	pg/g

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	69		40 - 135
13C-1,2,3,7,8-PeCDD	72		40 - 135
13C-1,2,3,6,7,8-HxCDD	64		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	58		40 - 135
13C-OCDD	35	*	40 - 135
13C-2,3,7,8-TCDF	59		40 - 135
13C-1,2,3,7,8-PeCDF	67		40 - 135
13C-1,2,3,4,7,8-HxCDF	52		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	44		40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA129-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 005	**Work Order #....:**	LX5XP1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	***Dilution Factor:***	0.99
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0110455	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.08 g	**Analyst ID....:**	Sonia Ouni		

* Surrogate recovery is outside stated control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CON Confirmation analysis.

E Estimated result. Result concentration exceeds the calibration range

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA129-4BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 006	**Work Order #....:**	LX5XR1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0110455	**Dilution Factor....:**	0.98	**Units.....:**	pg/g
Initial Wgt/Vol :	10.14 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	6.3		0.55	1.0	6.3
1,2,3,7,8-PeCDD	21		2.8	1.0	21
1,2,3,4,7,8-HxCDD	16		2.8	0.1	1.6
1,2,3,6,7,8-HxCDD	27		2.8	0.1	2.7
1,2,3,7,8,9-HxCDD	25		2.8	0.1	2.5
1,2,3,4,6,7,8-HpCDD	110		2.8	0.01	1.1
OCDD	190		5.5	0.0003	0.057
2,3,7,8-TCDF	220	CON E B	0.92	0.1	22
1,2,3,7,8-PeCDF	670	B	2.8	0.03	20
2,3,4,7,8-PeCDF	320		2.8	0.3	96
1,2,3,4,7,8-HxCDF	1300	E G	3.9	0.1	130
1,2,3,6,7,8-HxCDF	790	G	3.5	0.1	79
2,3,4,6,7,8-HxCDF	160	G	3.9	0.1	16
1,2,3,7,8,9-HxCDF	130	G	4.3	0.1	13
1,2,3,4,6,7,8-HpCDF	2400	E B	2.8	0.01	24
1,2,3,4,7,8,9-HpCDF	1100		2.8	0.01	11
OCDF	5600	E	5.5	0.0003	1.7

Total TEQ Concentration 450

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	70		40 - 135
13C-1,2,3,7,8-PeCDD	72		40 - 135
13C-1,2,3,6,7,8-HxCDD	65		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	54		40 - 135
13C-OCDD	30	*	40 - 135
13C-2,3,7,8-TCDF	57		40 - 135
13C-1,2,3,7,8-PeCDF	67		40 - 135
13C-1,2,3,4,7,8-HxCDF	52		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	41		40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA129-4BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 006	**Work Order #....:**	LX5XR1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0110455	**Dilution Factor....:**	0.98	**Units.....:**	pg/g
Initial Wgt/Vol :	10.14 g	**Analyst ID....:**	Sonia Ouni		

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
CON	Confirmation analysis.
E	Estimated result. Result concentration exceeds the calibration range.
G	Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA129-4BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 006	**Work Order #....:**	LX5XR1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.98
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0110455	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.14 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	**6.3**		**0.55**	**0.18**	**pg/g**
1,2,3,7,8-PeCDD	**21**		**2.8**	**0.28**	**pg/g**
1,2,3,4,7,8-HxCDD	**16**		**2.8**	**0.24**	**pg/g**
1,2,3,6,7,8-HxCDD	**27**		**2.8**	**0.22**	**pg/g**
1,2,3,7,8,9-HxCDD	**25**		**2.8**	**0.20**	**pg/g**
1,2,3,4,6,7,8-HpCDD	**110**		**2.8**	**0.66**	**pg/g**
OCDD	**190**		**5.5**	**1.4**	**pg/g**
2,3,7,8-TCDF	**220**	**CON E B**	**0.92**	**0.31**	**pg/g**
1,2,3,7,8-PeCDF	**670**	**B**	**2.8**	**1.4**	**pg/g**
2,3,4,7,8-PeCDF	**320**		**2.8**	**1.5**	**pg/g**
1,2,3,4,7,8-HxCDF	**1300**	**E G**	**3.9**	**3.9**	**pg/g**
1,2,3,6,7,8-HxCDF	**790**	**G**	**3.5**	**3.5**	**pg/g**
2,3,4,6,7,8-HxCDF	**160**	**G**	**3.9**	**3.9**	**pg/g**
1,2,3,7,8,9-HxCDF	**130**	**G**	**4.3**	**4.3**	**pg/g**
1,2,3,4,6,7,8-HpCDF	**2400**	**E B**	**2.8**	**1.8**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**1100**		**2.8**	**2.3**	**pg/g**
OCDF	**5600**	**E**	**5.5**	**0.29**	**pg/g**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	70		40 - 135
13C-1,2,3,7,8-PeCDD	72		40 - 135
13C-1,2,3,6,7,8-HxCDD	65		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	54		40 - 135
13C-OCDD	30	*	40 - 135
13C-2,3,7,8-TCDF	57		40 - 135
13C-1,2,3,7,8-PeCDF	67		40 - 135
13C-1,2,3,4,7,8-HxCDF	52		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	41		40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA129-4BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 006	**Work Order #....:**	LX5XR1AC	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.98
Prep Date....:	04/20/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0110455	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.14 g	**Analyst ID....:**	Sonia Ouni		

* Surrogate recovery is outside stated control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CON Confirmation analysis.

E Estimated result. Result concentration exceeds the calibration range.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA175-5BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 015	**Work Order #....:**	LX5X61AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0113286	**Dilution Factor....:**	0.97	**Units.....:**	pg/g
Initial Wgt/Vol :	10.24 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	120	G	3.4	1.0	120
1,2,3,7,8-PeCDD	410	D	55	1.0	410
1,2,3,4,7,8-HxCDD	240	G	3.4	0.1	24
1,2,3,6,7,8-HxCDD	600	G	3.1	0.1	60
1,2,3,7,8,9-HxCDD	590	G	2.8	0.1	59
1,2,3,4,6,7,8-HpCDD	2200	D	55	0.01	22
OCDD	2300	D B	110	0.0003	0.69
2,3,7,8-TCDF	3000	CON D B	11	0.1	300
1,2,3,7,8-PeCDF	2600	G D B	65	0.03	78
2,3,4,7,8-PeCDF	1300	G D	68	0.3	390
1,2,3,4,7,8-HxCDF	10000	D B	55	0.1	1000
1,2,3,6,7,8-HxCDF	6000	D	55	0.1	600
2,3,4,6,7,8-HxCDF	1900	D	55	0.1	190
1,2,3,7,8,9-HxCDF	1200	D	55	0.1	120
1,2,3,4,6,7,8-HpCDF	23000	E D B	55	0.01	230
1,2,3,4,7,8,9-HpCDF	12000	D B	55	0.01	120
OCDF	67000	E D B	110	0.0003	20

Total TEQ Concentration 3700

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	91		40 - 135
13C-1,2,3,7,8-PeCDD	81		40 - 135
13C-1,2,3,6,7,8-HxCDD	63		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	58		40 - 135
13C-OCDD	41		40 - 135
13C-2,3,7,8-TCDF	36	*	40 - 135
13C-1,2,3,7,8-PeCDF	163	*	40 - 135
13C-1,2,3,4,7,8-HxCDF	63		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	54		40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA175-5BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 015	**Work Order #....:**	LX5X61AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0113286	**Dilution Factor....:**	0.97	**Units.....:**	pg/g
Initial Wgt/Vol :	10.24 g	**Analyst ID....:**	Sonia Ouni		

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005.

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
CON	Confirmation analysis
D	Result was obtained from the analysis of a dilution.
E	Estimated result. Result concentration exceeds the calibration range.
G	Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA175-5BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 015	**Work Order #....:**	LX5X61AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.97
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0113286	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.24 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	**120**	**G**	**3.4**	**3.4**	**pg/g**
1,2,3,7,8-PeCDD	**410**	**D**	**55**	**37**	**pg/g**
1,2,3,4,7,8-HxCDD	**240**	**G**	**3.4**	**3.4**	**pg/g**
1,2,3,6,7,8-HxCDD	**600**	**G**	**3.1**	**3.1**	**pg/g**
1,2,3,7,8,9-HxCDD	**590**	**G**	**2.8**	**2.8**	**pg/g**
1,2,3,4,6,7,8-HpCDD	**2200**	**D**	**55**	**41**	**pg/g**
OCDD	**2300**	**D B**	**110**	**28**	**pg/g**
2,3,7,8-TCDF	**3000**	**CON D B**	**11**	**4.0**	**pg/g**
1,2,3,7,8-PeCDF	**2600**	**G D B**	**65**	**65**	**pg/g**
2,3,4,7,8-PeCDF	**1300**	**G D**	**68**	**68**	**pg/g**
1,2,3,4,7,8-HxCDF	**10000**	**D B**	**55**	**37**	**pg/g**
1,2,3,6,7,8-HxCDF	**6000**	**D**	**55**	**28**	**pg/g**
2,3,4,6,7,8-HxCDF	**1900**	**D**	**55**	**33**	**pg/g**
1,2,3,7,8,9-HxCDF	**1200**	**D**	**55**	**37**	**pg/g**
1,2,3,4,6,7,8-HpCDF	**23000**	**E D B**	**55**	**43**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**12000**	**D B**	**55**	**52**	**pg/g**
OCDF	**67000**	**E D B**	**110**	**4.5**	**pg/g**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	91		40 - 135
13C-1,2,3,7,8-PeCDD	81		40 - 135
13C-1,2,3,6,7,8-HxCDD	63		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	58		40 - 135
13C-OCDD	41		40 - 135
13C-2,3,7,8-TCDF	36	*	40 - 135
13C-1,2,3,7,8-PeCDF	163	*	40 - 135
13C-1,2,3,4,7,8-HxCDF	63		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	54		40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA175-5BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 015	**Work Order #....:**	LX5X61AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.97
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0113286	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.24 g	**Analyst ID....:**	Sonia Ouni		

* Surrogate recovery is outside stated control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CON Confirmation analysis.

D Result was obtained from the analysis of a dilution

E Estimated result. Result concentration exceeds the calibration range.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA175-8BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 018	**Work Order #....:**	LX50A1AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0113286	**Dilution Factor....:**	0.94	**Units.....:**	pg/g
Initial Wgt/Vol :	10.55 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	58	G	0.77	1.0	58
1,2,3,7,8-PeCDD	190		2.7	1.0	190
1,2,3,4,7,8-HxCDD	140		2.7	0.1	14
1,2,3,6,7,8-HxCDD	240		2.7	0.1	24
1,2,3,7,8,9-HxCDD	190		2.7	0.1	19
1,2,3,4,6,7,8-HpCDD	860	G	8.3	0.01	8.6
OCDD	960	G B	8.8	0.0003	0.29
2,3,7,8-TCDF	1200	CON D B	11	0.1	120
1,2,3,7,8-PeCDF	2300	E G B	13	0.03	69
2,3,4,7,8-PeCDF	1400	E G	14	0.3	420
1,2,3,4,7,8-HxCDF	4900	E G B	26	0.1	490
1,2,3,6,7,8-HxCDF	3300	E G	23	0.1	330
2,3,4,6,7,8-HxCDF	920	G	25	0.1	92
1,2,3,7,8,9-HxCDF	640	G	28	0.1	64
1,2,3,4,6,7,8-HpCDF	11000	E G B	15	0.01	110
1,2,3,4,7,8,9-HpCDF	6400	E G B	19	0.01	64
OCDF	28000	E B	5.3	0.0003	8.4

Total TEQ Concentration **2100**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	78		40 - 135
13C-1,2,3,7,8-PeCDD	74		40 - 135
13C-1,2,3,6,7,8-HxCDD	58		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	31	*	40 - 135
13C-OCDD	22	*	40 - 135
13C-2,3,7,8-TCDF	56		40 - 135
13C-1,2,3,7,8-PeCDF	71		40 - 135
13C-1,2,3,4,7,8-HxCDF	45		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	25	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

\\qsacsql1\QDSApps\TEQ\WHO_205_TEQ_ND_0.rpt 5/17/2010

Northgate Environmental Management, Inc.

Sample ID: SA175-8BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 018	**Work Order #....:**	LX50A1AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Instrument ID....:**	4D5
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**% Moisture....:**	11
Prep Batch # ....:	0113286	**Dilution Factor....:**	0.94	**Units.....:**	pg/g
Initial Wgt/Vol :	10.55 g	**Analyst ID....:**	Sonia Ouni		

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
CON	Confirmation analysis.
D	Result was obtained from the analysis of a dilution
E	Estimated result. Result concentration exceeds the calibration range.
G	Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA175-8BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 018	**Work Order #....:**	LX50A1AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.94
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0113286	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.55 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	58	G	0.77	0.77	pg/g
1,2,3,7,8-PeCDD	190		2.7	1.9	pg/g
1,2,3,4,7,8-HxCDD	140		2.7	1.5	pg/g
1,2,3,6,7,8-HxCDD	240		2.7	1.3	pg/g
1,2,3,7,8,9-HxCDD	190		2.7	1.2	pg/g
1,2,3,4,6,7,8-HpCDD	860	G	8.3	8.3	pg/g
OCDD	960	G B	8.8	8.8	pg/g
2,3,7,8-TCDF	1200	CON D B	11	2.4	pg/g
1,2,3,7,8-PeCDF	2300	E G B	13	13	pg/g
2,3,4,7,8-PeCDF	1400	E G	14	14	pg/g
1,2,3,4,7,8-HxCDF	4900	E G B	26	26	pg/g
1,2,3,6,7,8-HxCDF	3300	E G	23	23	pg/g
2,3,4,6,7,8-HxCDF	920	G	25	25	pg/g
1,2,3,7,8,9-HxCDF	640	G	28	28	pg/g
1,2,3,4,6,7,8-HpCDF	11000	E G B	15	15	pg/g
1,2,3,4,7,8,9-HpCDF	6400	E G B	19	19	pg/g
OCDF	28000	E B	5.3	1.5	pg/g

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	78		40 - 135
13C-1,2,3,7,8-PeCDD	74		40 - 135
13C-1,2,3,6,7,8-HxCDD	58		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	31	*	40 - 135
13C-OCDD	22	*	40 - 135
13C-2,3,7,8-TCDF	56		40 - 135
13C-1,2,3,7,8-PeCDF	71		40 - 135
13C-1,2,3,4,7,8-HxCDF	45		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	25	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA175-8BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D170485 - 018	**Work Order #....:**	LX50A1AE	**Matrix....:**	SO
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	**Dilution Factor:**	0.94
Prep Date....:	04/23/10	**Analysis Date....:**	05/08/10	**Percent Moisture:**	11
Prep Batch # ....:	0113286	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.55 g	**Analyst ID....:**	Sonia Ouni		

* Surrogate recovery is outside stated control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CON Confirmation analysis.

D Result was obtained from the analysis of a dilution.

E Estimated result Result concentration exceeds the calibration range

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

G0D170485

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0112197	0112204
	SO	TAL-SOP Dioxin Sc		0109082	
002	SO	TAL-SOP Dioxin Sc		0109082	
003	SO	TAL-SOP Dioxin Sc		0109082	
004	SO	TAL-SOP Dioxin Sc		0109082	
005	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0112197	0112204
	SO	TAL-SOP Dioxin Sc		0109082	
006	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0112197	0112204
	SO	TAL-SOP Dioxin Sc		0109082	
015	SO	SW846 8290		0113286	0127273
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0110291	
016	SO	TAL-SOP Dioxin Sc		0110291	
017	SO	TAL-SOP Dioxin Sc		0111201	
018	SO	SW846 8290		0113286	0127273
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0111201	
019	SO	TAL-SOP Dioxin Sc		0112278	

Method Blank Report

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D200000 - 455B	**Work Order #....:**	LX85A1AA	**Matrix....:**	SOLID
Date Sampled....:	04/15/10	**Date Received....:**	04/17/10	***Dilution Factor:***	1
Prep Date....:	04/20/10	**Analysis Date....:**	04/26/10	**Percent Moisture:**	0.0
Prep Batch # ....:	0110455	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.50	0.092	pg/g
1,2,3,7,8-PeCDD	ND		2.5	0.27	pg/g
1,2,3,4,7,8-HxCDD	ND		2.5	0.24	pg/g
1,2,3,6,7,8-HxCDD	ND		2.5	0.22	pg/g
1,2,3,7,8,9-HxCDD	ND		2.5	0.18	pg/g
1,2,3,4,6,7,8-HpCDD	ND		2.5	0.25	pg/g
OCDD	ND		5.0	0.35	pg/g
2,3,7,8-TCDF	**0.31**	**J**	**0.50**	**0.10**	**pg/g**
1,2,3,7,8-PeCDF	**0.31**	**J Q**	**2.5**	**0.18**	**pg/g**
2,3,4,7,8-PeCDF	ND		2.5	0.19	pg/g
1,2,3,4,7,8-HxCDF	ND		2.5	0.30	pg/g
1,2,3,6,7,8-HxCDF	ND		2.5	0.27	pg/g
2,3,4,6,7,8-HxCDF	ND		2.5	0.29	pg/g
1,2,3,7,8,9-HxCDF	ND		2.5	0.27	pg/g
1,2,3,4,6,7,8-HpCDF	**0.30**	**J**	**2.5**	**0.18**	**pg/g**
1,2,3,4,7,8,9-HpCDF	ND		2.5	0.20	pg/g
OCDF	ND		5.0	0.38	pg/g

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	69	40 - 135
13C-1,2,3,7,8-PeCDD	73	40 - 135
13C-1,2,3,6,7,8-HxCDD	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 135
13C-OCDD	74	40 - 135
13C-2,3,7,8-TCDF	62	40 - 135
13C-1,2,3,7,8-PeCDF	72	40 - 135
13C-1,2,3,4,7,8-HxCDF	71	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	99	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

J Estimated Result

Q Estimated maximum possible concentration (EMPC).

Method Blank Report

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D230000 - 286B	**Work Order #....:**	L0E7V1AA	**Matrix....:**	SOLID
Date Sampled....:	04/14/10	**Date Received....:**	04/16/10	**Dilution Factor:**	1
Prep Date....:	04/23/10	**Analysis Date....:**	04/30/10	**Percent Moisture:**	0.0
Prep Batch # ....:	0113286	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Susan X. Yan		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.50	0.085	pg/g
1,2,3,7,8-PeCDD	ND		2.5	0.14	pg/g
1,2,3,4,7,8-HxCDD	ND		2.5	0.14	pg/g
1,2,3,6,7,8-HxCDD	ND		2.5	0.13	pg/g
1,2,3,7,8,9-HxCDD	ND		2.5	0.10	pg/g
1,2,3,4,6,7,8-HpCDD	ND		2.5	0.16	pg/g
OCDD	**0.75**	**J**	**5.0**	**0.21**	**pg/g**
2,3,7,8-TCDF	**0.22**	**J Q**	**0.50**	**0.074**	**pg/g**
1,2,3,7,8-PeCDF	**0.25**	**J**	**2.5**	**0.11**	**pg/g**
2,3,4,7,8-PeCDF	ND		2.5	0.12	pg/g
1,2,3,4,7,8-HxCDF	**0.35**	**J Q**	**2.5**	**0.17**	**pg/g**
1,2,3,6,7,8-HxCDF	ND		2.5	0.15	pg/g
2,3,4,6,7,8-HxCDF	ND		2.5	0.16	pg/g
1,2,3,7,8,9-HxCDF	ND		2.5	0.15	pg/g
1,2,3,4,6,7,8-HpCDF	**0.50**	**J**	**2.5**	**0.13**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**0.16**	**J**	**2.5**	**0.15**	**pg/g**
OCDF	**0.75**	**J**	**5.0**	**0.22**	**pg/g**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	70	40 - 135
13C-1,2,3,7,8-PeCDD	84	40 - 135
13C-1,2,3,6,7,8-HxCDD	77	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 135
13C-OCDD	67	40 - 135
13C-2,3,7,8-TCDF	65	40 - 135
13C-1,2,3,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	77	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

J Estimated Result

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D170485	**Work Order # ...:**	LX85A1AC-LCS	**Matrix .....:**	SOLID
LCS Lot-Sample# :	G0D200000 - 455				
Prep Date .....:	04/20/10	**Analysis Date ..:**	04/26/10		
Prep Batch # ...:	0110455				
Dilution Factor :	1				
Analyst ID.....:	Grandfield S. Virginia	**Instrument ID..:**	1D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10 g				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS
2,3,7,8-TCDD	**20.0**	**19.1**	**pg/g**	**96**	**(77 - 130)**
1,2,3,7,8-PeCDD	**100**	**103**	**pg/g**	**103**	**(79 - 134)**
1,2,3,4,7,8-HxCDD	**100**	**95.5**	**pg/g**	**95**	**(65 - 144)**
1,2,3,6,7,8-HxCDD	**100**	**105**	**pg/g**	**105**	**(73 - 147)**
1,2,3,7,8,9-HxCDD	**100**	**95.7**	**pg/g**	**96**	**(80 - 143)**
1,2,3,4,6,7,8-HpCDD	**100**	**102**	**pg/g**	**102**	**(86 - 134)**
OCDD	**200**	**215**	**pg/g**	**108**	**(80 - 137)**
2,3,7,8-TCDF	**20.0**	**20.8**	**pg/g**	**104**	**(79 - 137)**
1,2,3,7,8-PeCDF	**100**	**97.2**	**pg/g**	**97**	**(81 - 134)**
2,3,4,7,8-PeCDF	**100**	**105**	**pg/g**	**105**	**(76 - 132)**
1,2,3,4,7,8-HxCDF	**100**	**108**	**pg/g**	**108**	**(72 - 140)**
1,2,3,6,7,8-HxCDF	**100**	**107**	**pg/g**	**107**	**(63 - 152)**
2,3,4,6,7,8-HxCDF	**100**	**124**	**pg/g**	**124**	**(72 - 151)**
1,2,3,7,8,9-HxCDF	**100**	**111**	**pg/g**	**111**	**(72 - 152)**
1,2,3,4,6,7,8-HpCDF	**100**	**102**	**pg/g**	**102**	**(81 - 137)**
1,2,3,4,7,8,9-HpCDF	**100**	**81.4**	**pg/g**	**81**	**(79 - 139)**
OCDF	**200**	**198**	**pg/g**	**99**	**(75 - 141)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	74	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	105	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	64	(40 - 135)
13C-1,2,3,7,8-PeCDF	69	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	73	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	112	(40 - 135)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D170485	**Work Order # ...:**	L0E7V1AC-LCS	**Matrix .....:**	SOLID
LCS Lot-Sample# :	G0D230000 - 286				
Prep Date .....:	04/23/10	**Analysis Date ..:**	05/05/10		
Prep Batch # ...:	0113286				
Dilution Factor :	1				
Analyst ID.....:	Susan X. Yan	**Instrument ID..:**	4D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10 g				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS
2,3,7,8-TCDD	**20.0**	**23.2**	**pg/g**	**116**	**(77 - 130)**
1,2,3,7,8-PeCDD	**100**	**116**	**pg/g**	**116**	**(79 - 134)**
1,2,3,4,7,8-HxCDD	**100**	**107**	**pg/g**	**107**	**(65 - 144)**
1,2,3,6,7,8-HxCDD	**100**	**122**	**pg/g**	**122**	**(73 - 147)**
1,2,3,7,8,9-HxCDD	**100**	**113**	**pg/g**	**113**	**(80 - 143)**
1,2,3,4,6,7,8-HpCDD	**100**	**120**	**pg/g**	**120**	**(86 - 134)**
OCDD	**200**	**249**	**pg/g**	**125**	**(80 - 137)**
2,3,7,8-TCDF	**20.0**	**24.8**	**pg/g**	**124**	**(79 - 137)**
1,2,3,7,8-PeCDF	**100**	**121**	**pg/g**	**121**	**(81 - 134)**
2,3,4,7,8-PeCDF	**100**	**128**	**pg/g**	**128**	**(76 - 132)**
1,2,3,4,7,8-HxCDF	**100**	**134**	**pg/g**	**134**	**(72 - 140)**
1,2,3,6,7,8-HxCDF	**100**	**148**	**pg/g**	**148**	**(63 - 152)**
2,3,4,6,7,8-HxCDF	**100**	**149**	**pg/g**	**149**	**(72 - 151)**
1,2,3,7,8,9-HxCDF	**100**	**141**	**pg/g**	**141**	**(72 - 152)**
1,2,3,4,6,7,8-HpCDF	**100**	**124**	**pg/g**	**124**	**(81 - 137)**
1,2,3,4,7,8,9-HpCDF	**100**	**126**	**pg/g**	**126**	**(79 - 139)**
OCDF	**200**	**240**	**pg/g**	**120**	**(75 - 141)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	69	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	81	(40 - 135)
13C-OCDD	75	(40 - 135)
13C-2,3,7,8-TCDF	59	(40 - 135)
13C-1,2,3,7,8-PeCDF	69	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	64	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	73	(40 - 135)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D170485	**Work Order # ...:**	LX0PR1AF-MS	**Matrix .....:**	SOLID
OS Lot-Sample# :	G0D140543 - 010		LX0PR1AG-MSD		
Prep Date .....:	04/20/10	**Analysis Date ..:**	04/29/10		
Prep Batch # ...:	0110455				
Dilution Factor :	0.99				
Analyst ID.....:	Alora Kuczynski	**Instrument ID..:**	1D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10.05 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	5.1	21.2	29.1	pg/g	113	(77 - 130)		
	5.1	21.0	31.6	pg/g	126	(77 - 130)	8.3	(0 - 30)
1,2,3,7,8-PeCDD	16	106	139	pg/g	116	(79 - 134)		
	16	105	152	pg/g	130	(79 - 134)	9.1	(0 - 29)
1,2,3,4,7,8-HxCDD	9.6	106	116	pg/g	101	(65 - 144)		
	9.6	105	142	pg/g	126	(65 - 144)	20	(0 - 36)
1,2,3,6,7,8-HxCDD	20	106	151	pg/g	123	(73 - 147)		
	20	105	164	pg/g	138	(73 - 147)	8.8	(0 - 36)
1,2,3,7,8,9-HxCDD	15	106	130	pg/g	109	(80 - 143)		
	15	105	157	pg/g	136	(80 - 143)	19	(0 - 31)
1,2,3,4,6,7,8-HpCDD	77	106	225	pg/g	139 a	(86 - 134)		
	77	105	260	pg/g	175 a	(86 - 134)	15	(0 - 28)
OCDD	85	212	344	pg/g	122	(80 - 137)		
	85	210	383	pg/g	142 a	(80 - 137)	11	(0 - 32)
2,3,7,8-TCDF	100	21.2	162	pg/g	282 a G CON	(79 - 137)		
	100	21.0	188	pg/g	407 a G CON	(79 - 137)	15	(0 - 30)
1,2,3,7,8-PeCDF	230	106	438	pg/g	193 a	(81 - 134)		
	230	105	472	pg/g	226 a	(81 - 134)	7.3	(0 - 27)
2,3,4,7,8-PeCDF	140	106	299	pg/g	153 a	(76 - 132)		
	140	105	289	pg/g	145 a	(76 - 132)	3.2	(0 - 31)
1,2,3,4,7,8-HxCDF	520	106	863	pg/g	326 a G	(72 - 140)		
	520	105	947	pg/g	410 a G	(72 - 140)	9.4	(0 - 32)
1,2,3,6,7,8-HxCDF	320	106	549	pg/g	220 a G	(63 - 152)		
	320	105	595	pg/g	267 a G	(63 - 152)	8.2	(0 - 38)
2,3,4,6,7,8-HxCDF	71	106	224	pg/g	145 G	(72 - 151)		
	71	105	199	pg/g	123 G	(72 - 151)	12	(0 - 35)
1,2,3,7,8,9-HxCDF	45	106	169	pg/g	117 G	(72 - 152)		
	45	105	188	pg/g	137 G	(72 - 152)	11	(0 - 36)
1,2,3,4,6,7,8-HpCDF	1200	106	1790	pg/g	544 a E	(81 - 137)		
	1200	105	2000	pg/g	747 a E	(81 - 137)	11	(0 - 33)
1,2,3,4,7,8,9-HpCDF	490	106	715	pg/g	209 a	(79 - 139)		
	490	105	733	pg/g	229 a	(79 - 139)	2.6	(0 - 35)
OCDF	3900	212	4340	pg/g	210 a E	(75 - 141)		
	3900	210	5050	pg/g	551 a E	(75 - 141)	15	(0 - 45)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D170485	**Work Order # ...:**	LX0PR1AF-MS	**Matrix .....:**	SOLID
OS Lot-Sample# :	G0D140543 - 010		LX0PR1AG-MSD		
Prep Date .....:	04/20/10	**Analysis Date ..:**	04/29/10		
Prep Batch # ...:	0110455				
Dilution Factor :	0.99				
Analyst ID.....:	Alora Kuczynski	**Instrument ID..:**	1D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10.05 g				

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	55	(40 - 135)
	63	(40 - 135)
13C-1,2,3,7,8-PeCDD	59	(40 - 135)
	63	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	65	(40 - 135)
	65	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	55	(40 - 135)
	66	(40 - 135)
13C-OCDD	47	(40 - 135)
	70	(40 - 135)
13C-2,3,7,8-TCDF	49	(40 - 135)
	63	(40 - 135)
13C-1,2,3,7,8-PeCDF	58	(40 - 135)
	68	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	62	(40 - 135)
	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	58	(40 - 135)
	74	(40 - 135)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits

CON Confirmation analysis.

E Estimated result. Result concentration exceeds the calibration range.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D170485	**Work Order # ...:**	LX8NW1AE-MS	**Matrix .....:**	SOLID
OS Lot-Sample# :	G0D200500 - 055		LX8NW1AF-MSD		
Prep Date .....:	04/23/10	**Analysis Date ..:**	05/04/10		
Prep Batch # ...:	0113286				
Dilution Factor :	1				
Analyst ID.....:	Susan X. Yan	**Instrument ID..:**	4D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10.02 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	16	20.0	36.4	pg/g	102	(77 - 130)		
	16	18.7	38.2	pg/g	118	(77 - 130)	4.7	(0 - 30)
1,2,3,7,8-PeCDD	51	100	159	pg/g	109	(79 - 134)		
	51	93.7	161	pg/g	118	(79 - 134)	0.81	(0 - 29)
1,2,3,4,7,8-HxCDD	34	100	166	pg/g	132	(65 - 144)		
	34	93.7	150	pg/g	123	(65 - 144)	10	(0 - 36)
1,2,3,6,7,8-HxCDD	79	100	180	pg/g	101	(73 - 147)		
	79	93.7	189	pg/g	118	(73 - 147)	4.8	(0 - 36)
1,2,3,7,8,9-HxCDD	72	100	167	pg/g	95	(80 - 143)		
	72	93.7	263	pg/g	204 a p	(80 - 143)	45	(0 - 31)
1,2,3,4,6,7,8-HpCDD	260	100	315	pg/g	51 a	(86 - 134)		
	260	187	366	pg/g	54 a G	(86 - 134)	15	(0 - 28)
OCDD	280	200	450	pg/g	82 B	(80 - 137)		
	280	187	495	pg/g	112 B	(80 - 137)	9.6	(0 - 32)
2,3,7,8-TCDF	420	20.0	352	pg/g	0.0 a CON B	(79 - 137)		
	420	18.7	427	pg/g	19 a E CON	(79 - 137)	0.0	(0 - 30)
1,2,3,7,8-PeCDF	800	200	741	pg/g	0.0 a G B	(81 - 134)		
	800	187	893	pg/g	48 a G B	(81 - 134)	0.0	(0 - 27)
2,3,4,7,8-PeCDF	460	100	467	pg/g	2.9 a G	(76 - 132)		
	460	93.7	352	pg/g	0.0 a G	(76 - 132)	0.0	(0 - 31)
1,2,3,4,7,8-HxCDF	2100	200	1680	pg/g	0.0 a E G B	(72 - 140)		
	2100	187	2100	pg/g	12 a E G B	(72 - 140)	0.0	(0 - 32)
1,2,3,6,7,8-HxCDF	1300	100	1040	pg/g	0.0 a E G	(63 - 152)		
	1300	93.7	1420	pg/g	178 a E G	(63 - 152)	0.0	(0 - 38)
2,3,4,6,7,8-HxCDF	300	100	426	pg/g	129 G	(72 - 151)		
	300	93.7	619	pg/g	343 a p G	(72 - 151)	37	(0 - 35)
1,2,3,7,8,9-HxCDF	240	100	397	pg/g	154 a G	(72 - 152)		
	240	93.7	714	pg/g	503 a p G	(72 - 152)	57	(0 - 36)
1,2,3,4,6,7,8-HpCDF	4400	200	3420	pg/g	0.0 a E G B	(81 - 137)		
	4400	187	4250	pg/g	0.0 a E G B	(81 - 137)	0.0	(0 - 33)
1,2,3,4,7,8,9-HpCDF	2000	200	1820	pg/g	0.0 a E G B	(79 - 139)		
	2000	187	3160	pg/g	596 a E G B	(79 - 139)	0.0	(0 - 35)
OCDF	11000	200	8630	pg/g	0.0 a E B	(75 - 141)		
	11000	187	11100	pg/g	0.0 a E B	(75 - 141)	0.0	(0 - 45)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D170485	**Work Order # ...:**	LX8NW1AE-MS	**Matrix .....:**	SOLID
OS Lot-Sample# :	G0D200500 - 055		LX8NW1AF-MSD		
Prep Date .....:	04/23/10	**Analysis Date ..:**	05/04/10		
Prep Batch # ...:	0113286				
Dilution Factor :	1				
Analyst ID.....:	Susan X. Yan	**Instrument ID..:**	4D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10.02 g				

INTERNAL STANDARD	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	62		(40 - 135)
	66		(40 - 135)
13C-1,2,3,7,8-PeCDD	67		(40 - 135)
	78		(40 - 135)
13C-1,2,3,6,7,8-HxCDD	48		(40 - 135)
	42		(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	38	*	(40 - 135)
	52		(40 - 135)
13C-OCDD	31	*	(40 - 135)
	51		(40 - 135)
13C-2,3,7,8-TCDF	62		(40 - 135)
	59		(40 - 135)
13C-1,2,3,7,8-PeCDF	61		(40 - 135)
	70		(40 - 135)
13C-1,2,3,4,7,8-HxCDF	42		(40 - 135)
	34	*	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	32	*	(40 - 135)
	34	*	(40 - 135)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CON Confirmation analysis.

E Estimated result. Result concentration exceeds the calibration range.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

p Relative percent difference (RPD) is outside stated control limits.

SOLID, D 2216-90, Percent Moisture

Northgate Environmental Management, Inc.

Client Sample ID: SSAO6-03-1BPC

General Chemistry

Lot-Sample #...: G0D170485-001 **Work Order #...:** LX5XK **Matrix.....:** SO
Date Sampled...: 04/15/10 **Date Received..:** 04/17/10
% Moisture.....: 4.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.7**	**0.10**	**%**	**ASTM D 2216-90**	**04/22-04/23/10**	**0112197**

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA129-3BPC

General Chemistry

Lot-Sample #...: G0D170485-005 **Work Order #...:** LX5XP **Matrix.....:** SO
Date Sampled...: 04/15/10 **Date Received..:** 04/17/10
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	10.8	0.10	%	ASTM D 2216-90	04/22-04/23/10	0112197

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA129-4BPC

General Chemistry

Lot-Sample #...: G0D170485-006 **Work Order #...:** LX5XR **Matrix.....:** SO
Date Sampled...: 04/15/10 **Date Received..:** 04/17/10
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.0**	**0.10**	**%**	**ASTM D 2216-90**	**04/22-04/23/10**	**0112197**

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA175-5BPC

General Chemistry

Lot-Sample #...: G0D170485-015 **Work Order #...:** LX5X6 **Matrix.....:** SO
Date Sampled...: 04/15/10 **Date Received..:** 04/17/10
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.3**	**0.10**	**%**	**ASTM D 2216-90**	**04/23-04/24/10**	**0113151**

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA175-8BPC

General Chemistry

Lot-Sample #...: G0D170485-018 **Work Order #...:** LX50A **Matrix.....:** SO
Date Sampled...: 04/15/10 **Date Received..:** 04/17/10
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.0**	**0.10**	**%**	**ASTM D 2216-90**	**04/23-04/24/10**	**0113151**

Dilution Factor: 1

QC DATA ASSOCIATION SUMMARY

G0D170485

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0112197	0112204
	SO	TAL-SOP Dioxin Sc		0109082	
002	SO	TAL-SOP Dioxin Sc		0109082	
003	SO	TAL-SOP Dioxin Sc		0109082	
004	SO	TAL-SOP Dioxin Sc		0109082	
005	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0112197	0112204
	SO	TAL-SOP Dioxin Sc		0109082	
006	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0112197	0112204
	SO	TAL-SOP Dioxin Sc		0109082	
015	SO	SW846 8290		0113286	0127273
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0110291	
016	SO	TAL-SOP Dioxin Sc		0110291	
017	SO	TAL-SOP Dioxin Sc		0111201	
018	SO	SW846 8290		0113286	0127273
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0111201	
019	SO	TAL-SOP Dioxin Sc		0112278	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G0D170485 **Work Order #...:** LX1HN-SMP **Matrix.....:** SOLID
LX1HN-DUP
Date Sampled...: 04/13/10 **Date Received..:** 04/15/10
% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	G0D150462-011	
	16.3	16.2	%	0.81	(0-20)	ASTM D 2216-90	04/22-04/23/10	0112197

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G0D170485 **Work Order #...:** LX3AJ-SMP LX3AJ-DUP **Matrix.....:** SOLID

Date Sampled...: 04/14/10 **Date Received..:** 04/16/10

% Moisture.....: 7.6

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #: G0D160435-011		
	7.6	9.0	%	17	(0-20)	ASTM D 2216-90	04/23-04/24/10	0113151

Dilution Factor: 1

SOLID, 8290, Dioxins/Furans

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

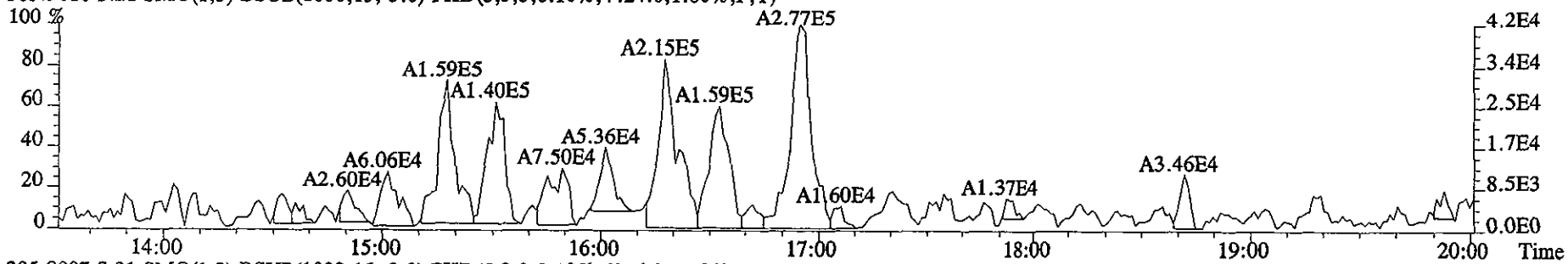
sample raw data

ms tune data

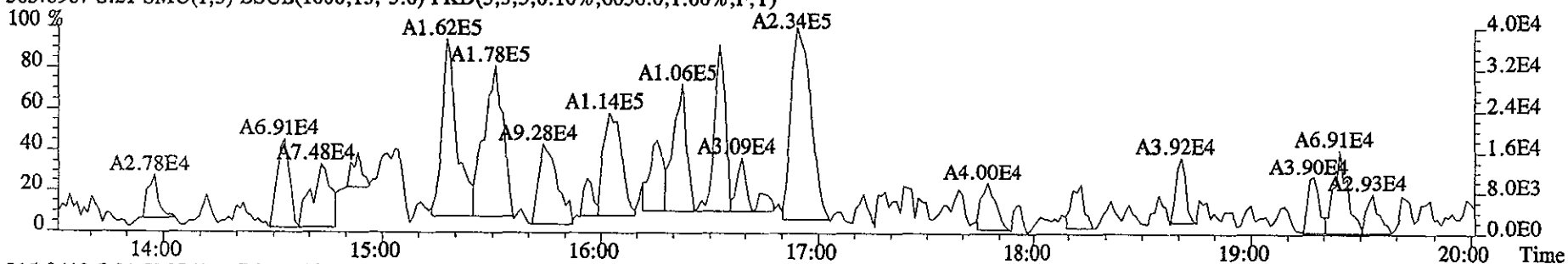
Run text: L0E7B-1-AA Sample text: L0E7B-1-AA :G0D160435-11MB
Run #20 Filename: 29AP101D5 S: 21 I: 1 Results: 29AP101D58290
Acquired: 30-APR-10 00:13:05 Processed: 30-APR-10 11:10:56
Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	212345500	0.84	y	17:24	-	6.82	-	-	n
13C-2,3,7,8-TCDF	434612000	0.80	y	16:53	1.57	130.69	0.09	65.3	n
2,3,7,8-TCDF	413309	1.19	n	16:55	0.86	0.22 J,Q	~~0.07~~	-	n
Total TCDF	1660491	0.32	n	14:32	0.86	~~0.89~~	~~0.07~~	-	n
13C-2,3,7,8-TCDD	294548000	0.82	y	17:35	0.99	139.64	0.10	69.8	n
2,3,7,8-TCDD	172734	0.53	n	17:33	0.93	~~0.13~~	~~0.08~~	-	n
Total TCDD	530835	1.84	n	15:04	0.93	~~0.39~~	~~0.08~~	-	n
37Cl-2,3,7,8-TCDD	311010000	1.00	y	17:36	2.22	66.03	0.05	82.5	n
13C-1,2,3,7,8-PeCDF	383543000	1.62	y	21:47	1.07	168.36	0.18	84.2	n
1,2,3,7,8-PeCDF	481526	1.50	y	21:48	1.00	0.25 J	~~0.11~~	-	n
2,3,4,7,8-PeCDF	42217	8.23	n	23:09	0.94	~~0.02~~	0.12	-	n
Total F2 PeCDF	2001054	1.70	y	20:28	0.97	~~1.07~~	~~0.11~~	-	n
Total F1 PeCDF	685144	0.49	n	15:04	0.97	~~0.37~~	~~0.07~~	-	n
13C-1,2,3,7,8-PeCDD	237991500	1.67	y	23:48	0.67	168.19	0.17	84.1	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*	0.14	-	n
Total PeCDD	486899	1.15	n	21:47	0.93	~~0.44~~	~~0.14~~	-	n
13C-1,2,3,7,8,9-HxCDD	167888600	1.28	y	31:58	-	6.12	-	-	n
13C-1,2,3,4,7,8-HxCDF	227476300	0.50	y	29:59	0.89	151.76	0.06	75.9	n
1,2,3,4,7,8-HxCDF	480623	1.01	n	29:59	1.20	0.35 J,Q	~~0.17~~	-	n
1,2,3,6,7,8-HxCDF	171595	0.68	n	30:15	1.37	~~0.11~~	0.15	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.24	*	0.16	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	1.33	*	0.15	-	n
Total HxCDF	1329180	0.97	n	27:15	1.28	~~0.93~~	~~0.15~~	-	n
13C-1,2,3,6,7,8-HxCDD	241538000	1.29	y	31:34	0.73 0.93	~~196.52~~ 154.258	0.03	77.2 ~~98.3~~	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.97	*	0.14	-	n
1,2,3,6,7,8-HxCDD	41786	1.56	n	31:35	1.06	~~0.03~~	0.13	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.28	*	0.10	-	n
Total HxCDD	41786	1.56	n	31:35	1.10	~~0.03~~	~~0.12~~	-	n
13C-1,2,3,4,6,7,8-HpCDF	221227300	0.44	y	33:49	0.86	153.20	0.52	76.6	n
1,2,3,4,6,7,8-HpCDF	708701	1.03	y	33:50	1.29	0.50 J	~~0.13~~	-	n
1,2,3,4,7,8,9-HpCDF	207226	0.93	y	35:01	1.14	0.17 J	~~0.15~~	-	n
Total HpCDF	1208935	0.44	n	33:13	1.21	~~0.88~~	~~0.14~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	196921500	1.05	y	34:42	0.75	155.94	0.22	78.0	n
1,2,3,4,6,7,8-HpCDD	87754	1.74	n	34:44	1.00	~~0.09~~	0.16	-	n
Total HpCDD	472028	0.71	n	33:13	1.00	~~0.48~~	~~0.16~~	-	n
13C-OCDD	253966000	0.91	y	37:19	0.56	268.01	0.56	67.0	n
OCDF	685153	0.84	y	37:26	1.44	0.75 J	~~0.22~~	-	n
OCDD	529746	0.86	y	37:21	1.11	0.75 J	~~0.21~~	-	n

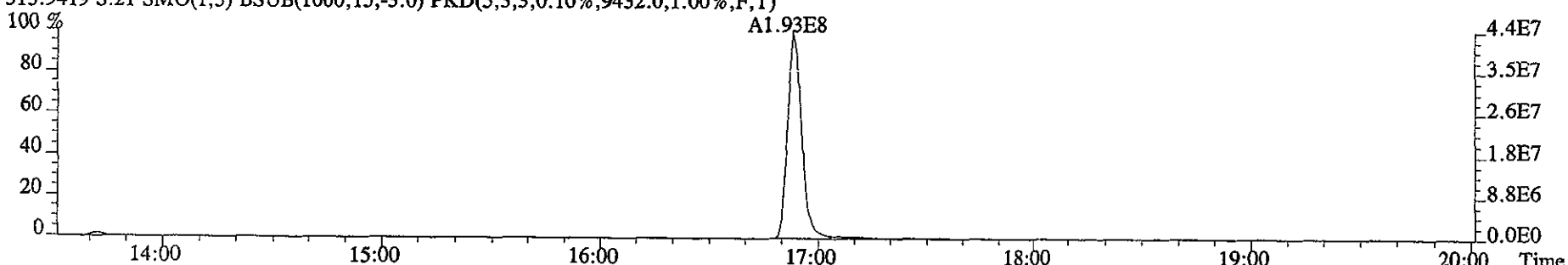
File:29AP101D5 #1-385 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4424.0,1.00%,F,T)



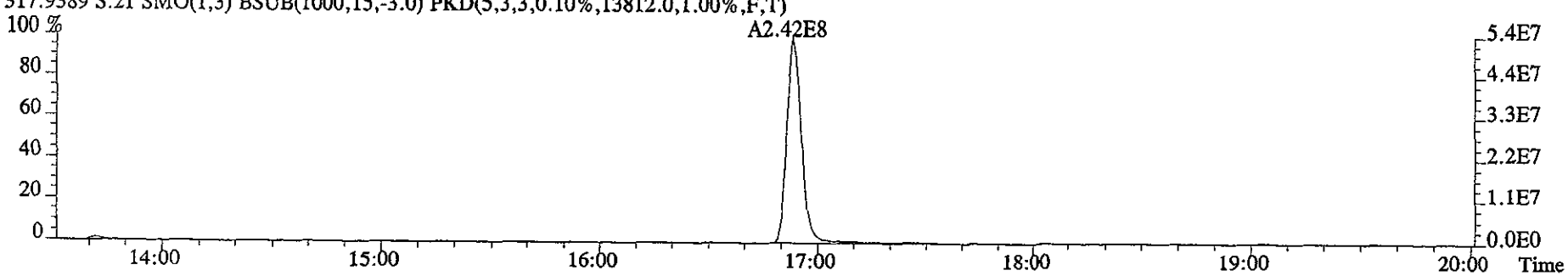
305.8987 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6056.0,1.00%,F,T)



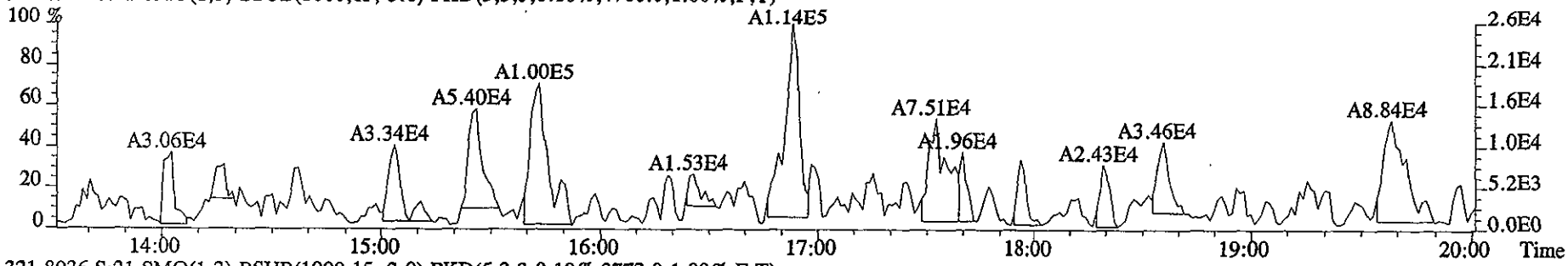
315.9419 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9432.0,1.00%,F,T)



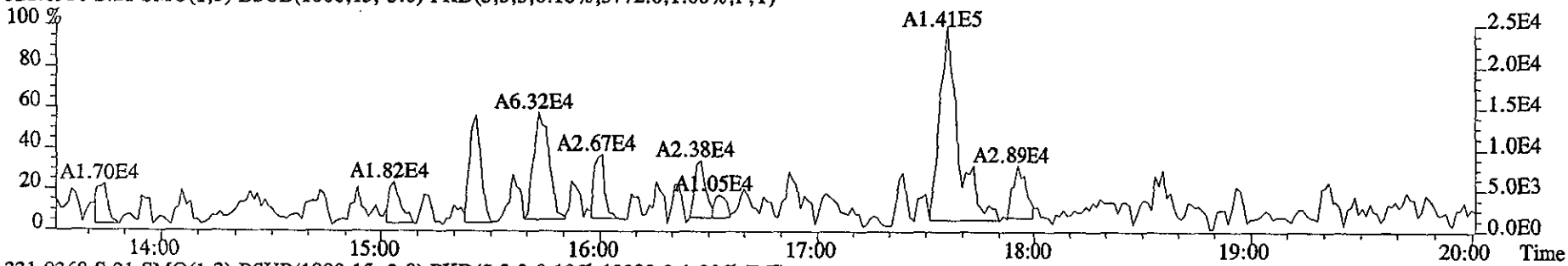
317.9389 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13812.0,1.00%,F,T)



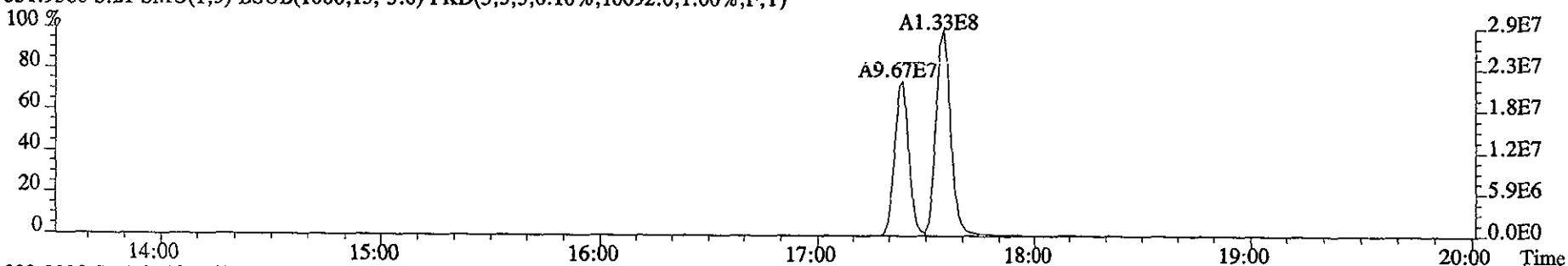
File:29AP101D5 #1-385 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
319.8965 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)



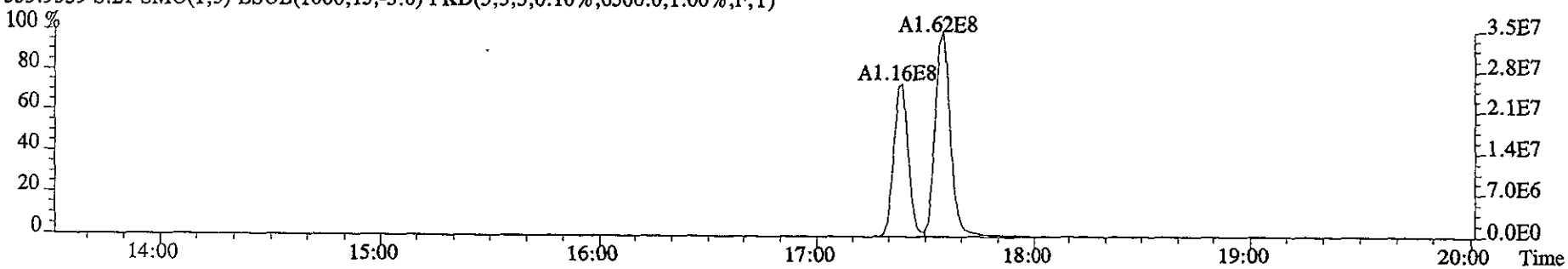
321.8936 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



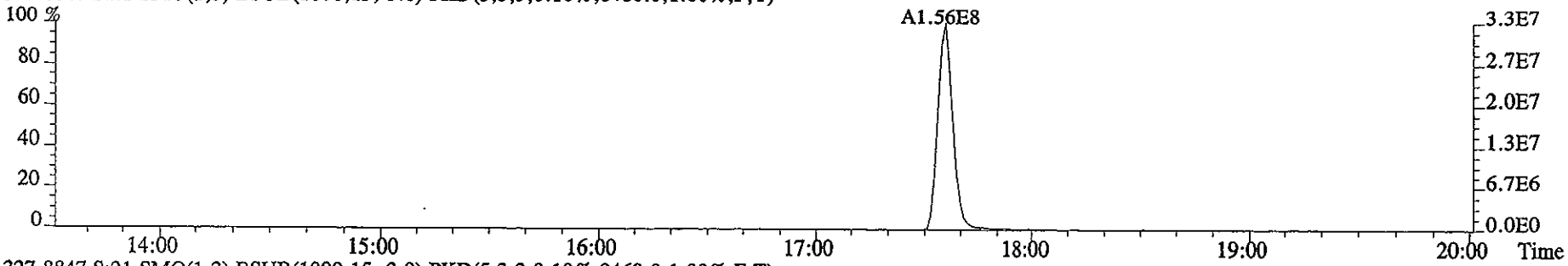
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10092.0,1.00%,F,T)



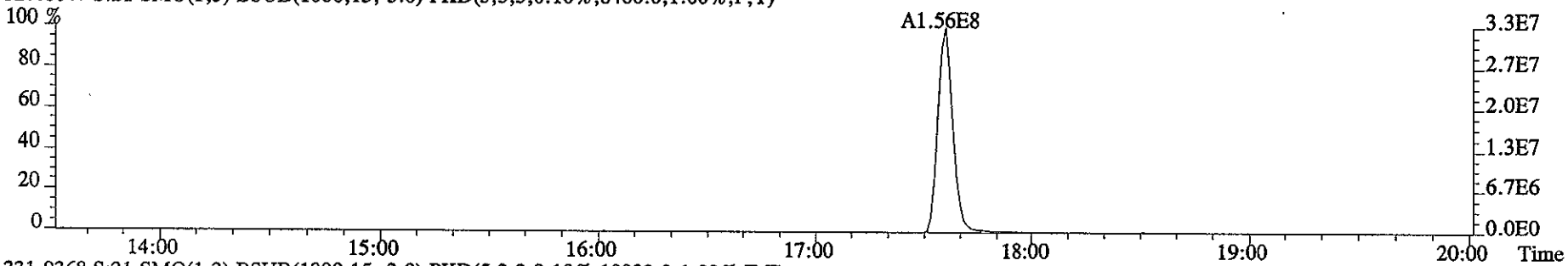
333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6500.0,1.00%,F,T)



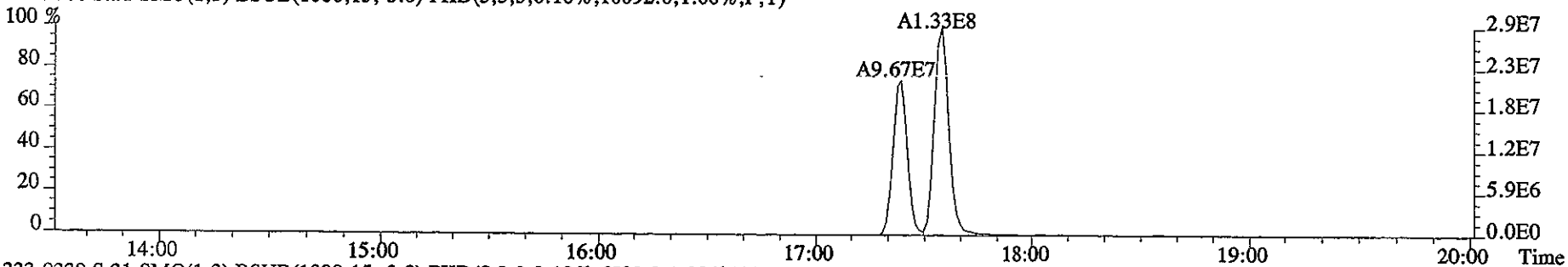
File:29AP101D5 #1-385 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8460.0,1.00%,F,T)



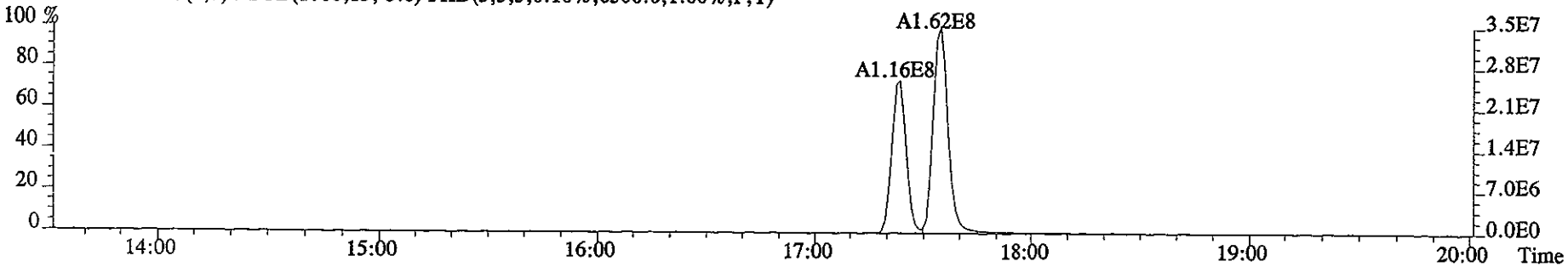
327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8460.0,1.00%,F,T)



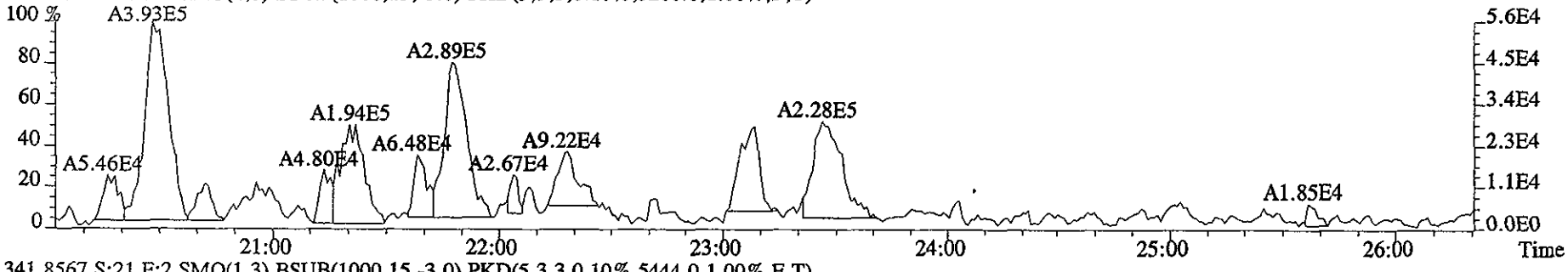
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10092.0,1.00%,F,T)

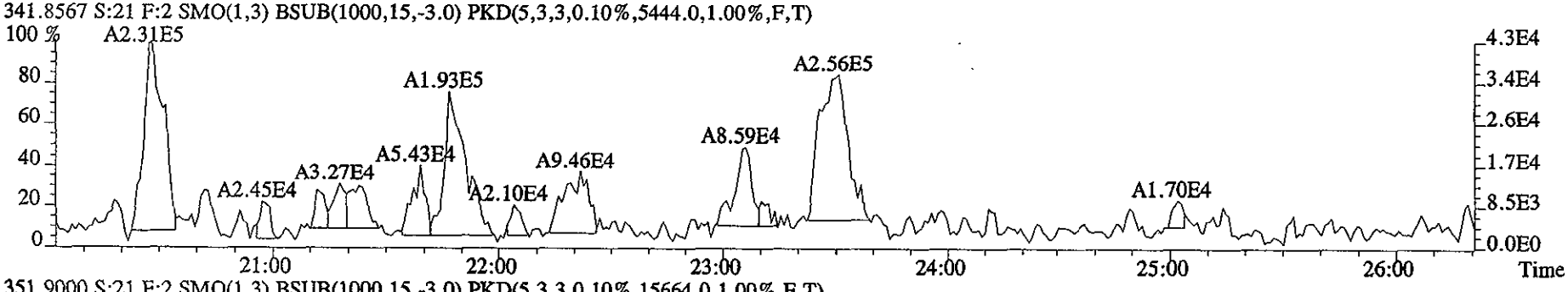


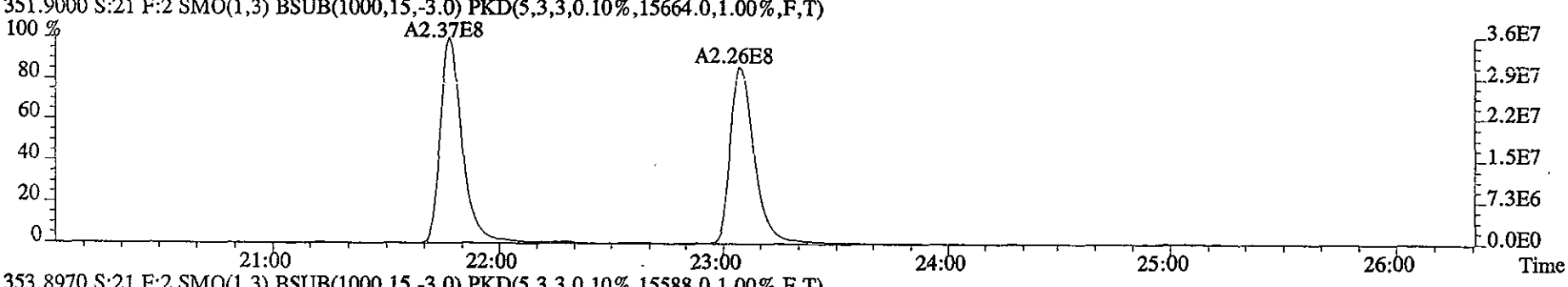
333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6500.0,1.00%,F,T)

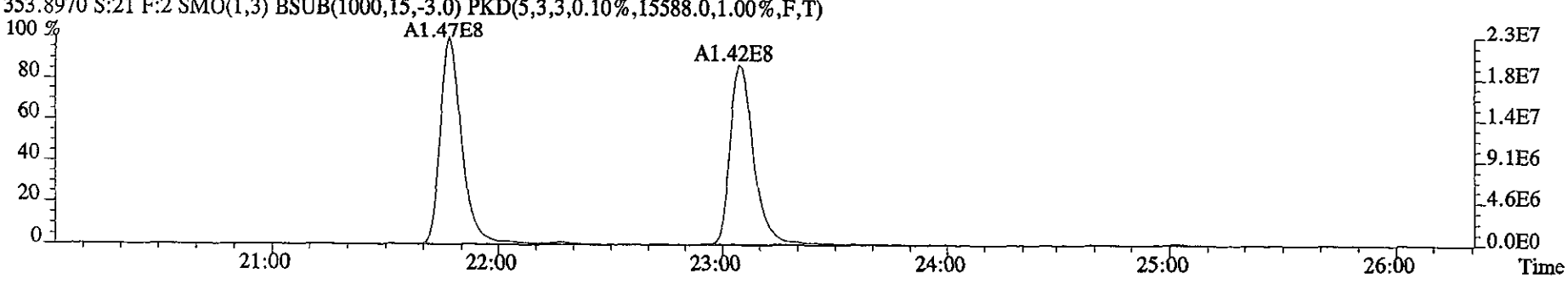


File:29AP101D5 #1-444 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES

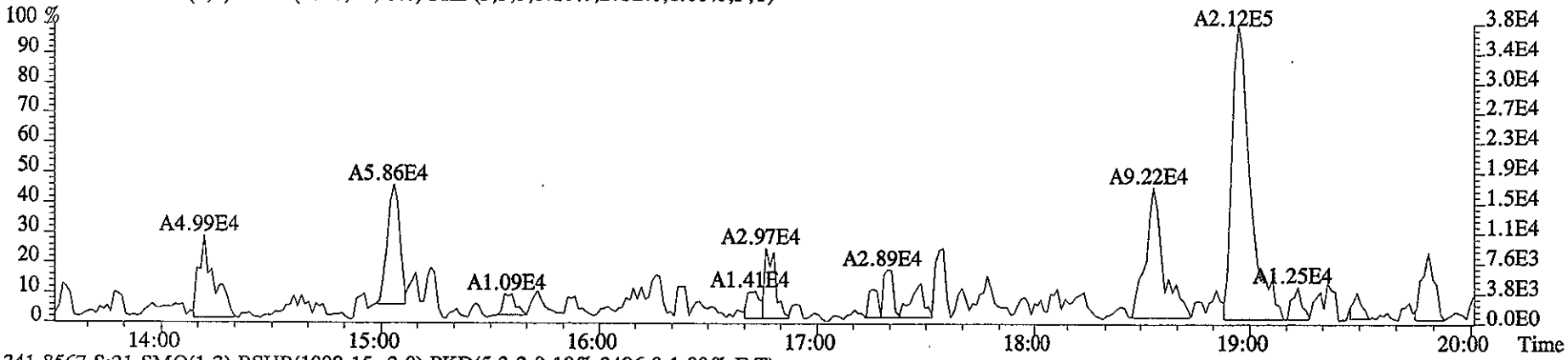




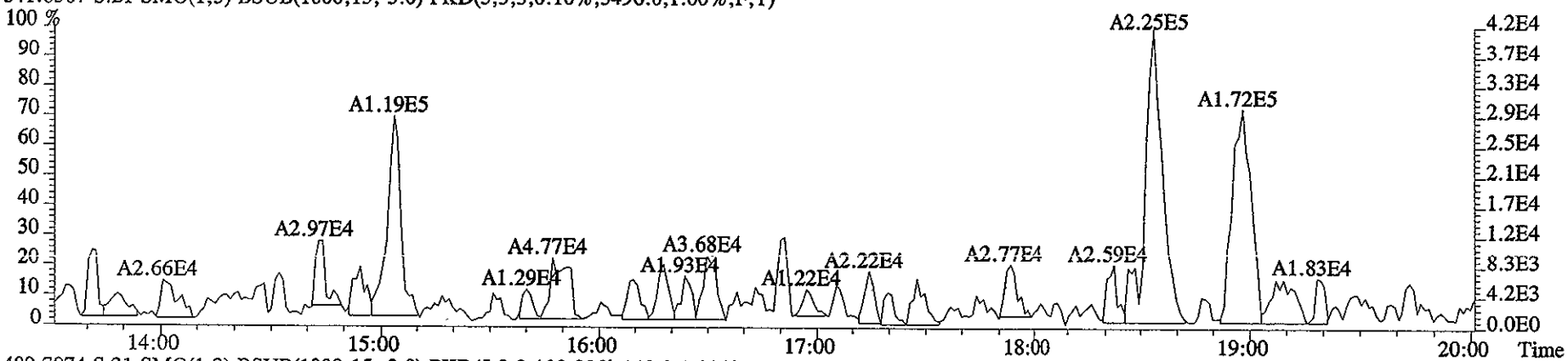




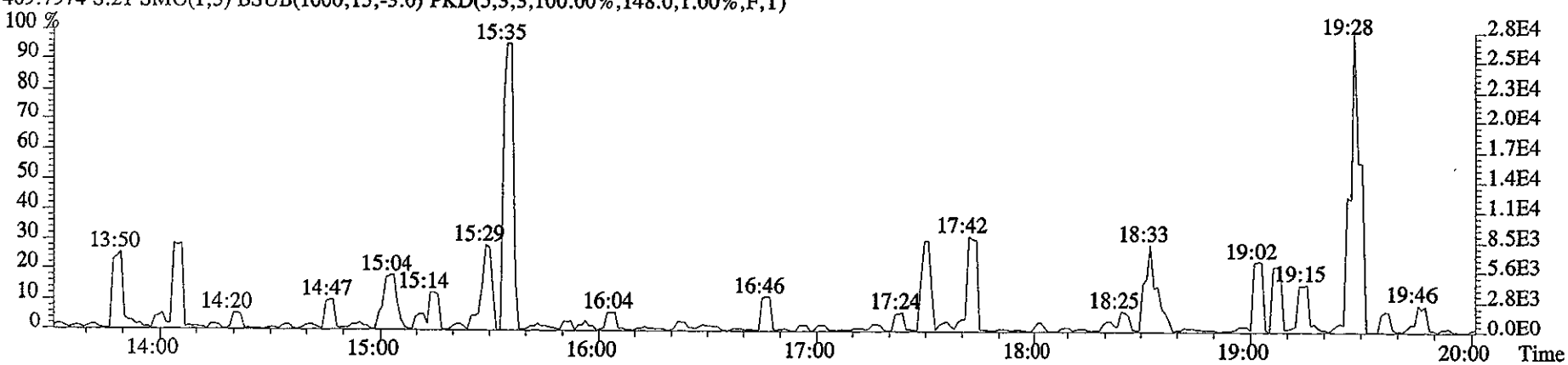
File:29AP101D5 #1-385 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
339.8597 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2732.0,1.00%,F,T)



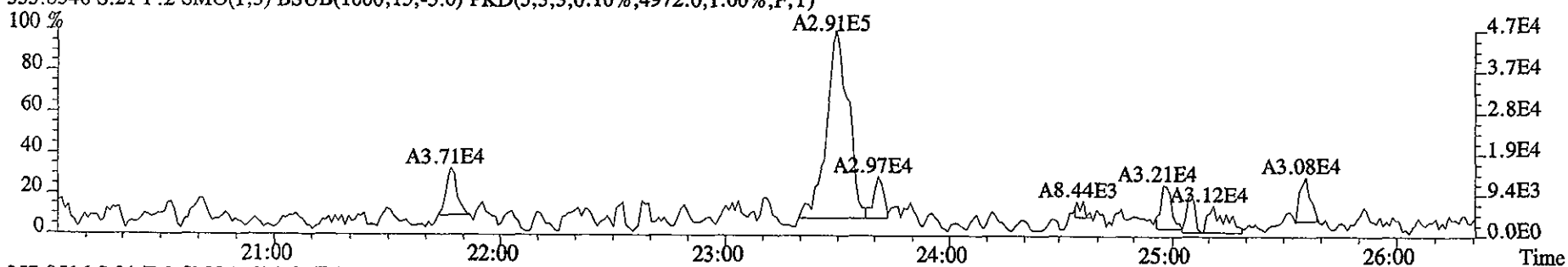
341.8567 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)

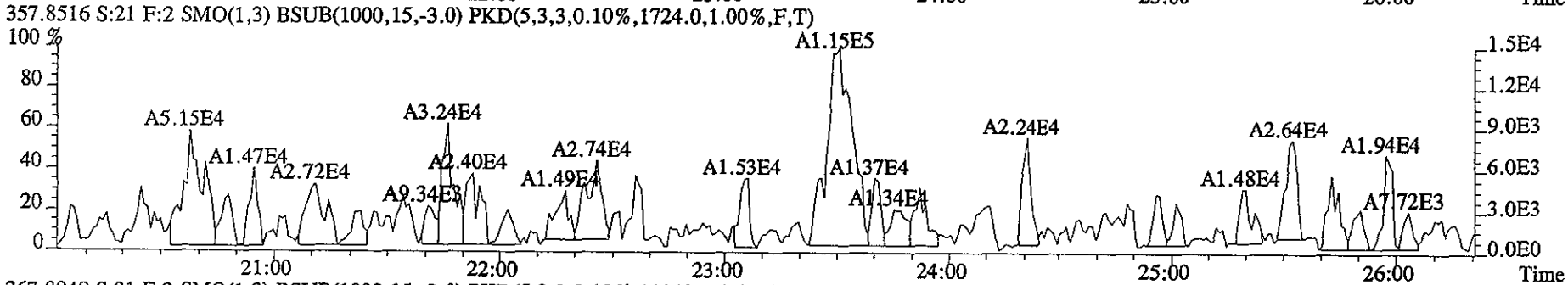


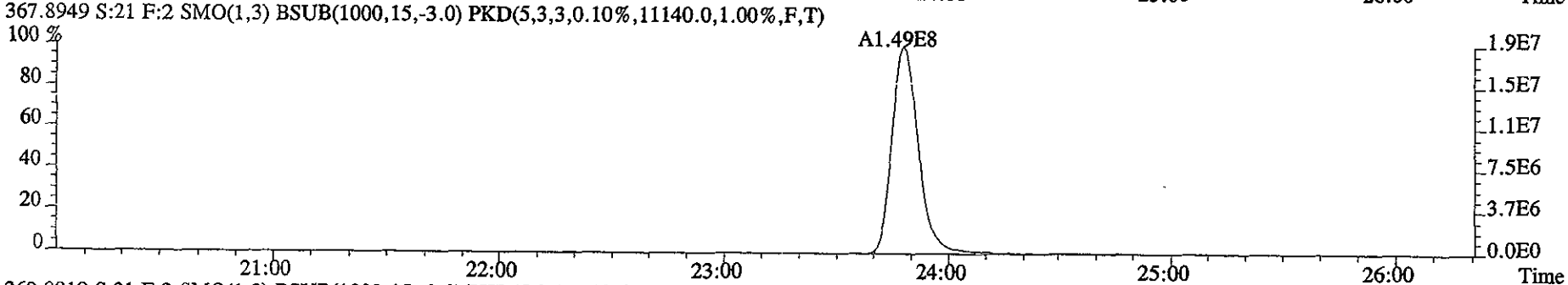
409.7974 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,148.0,1.00%,F,T)

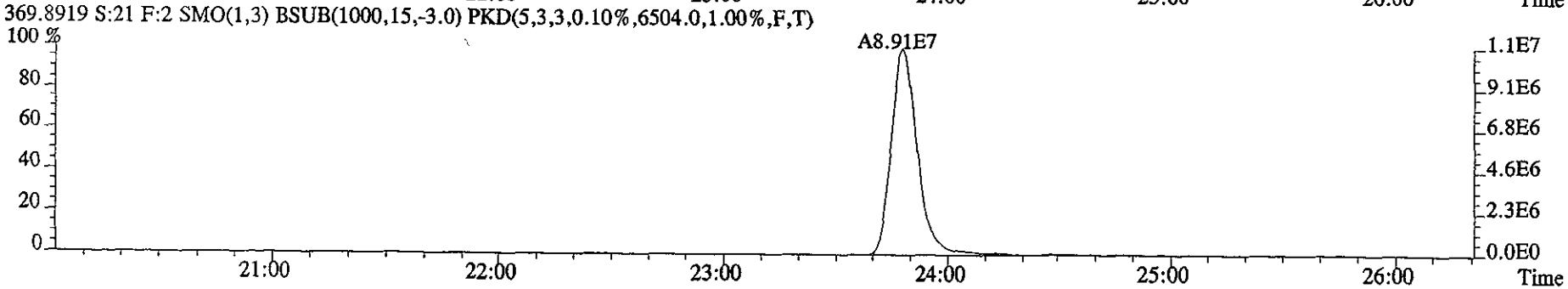


File:29AP101D5 #1-444 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES

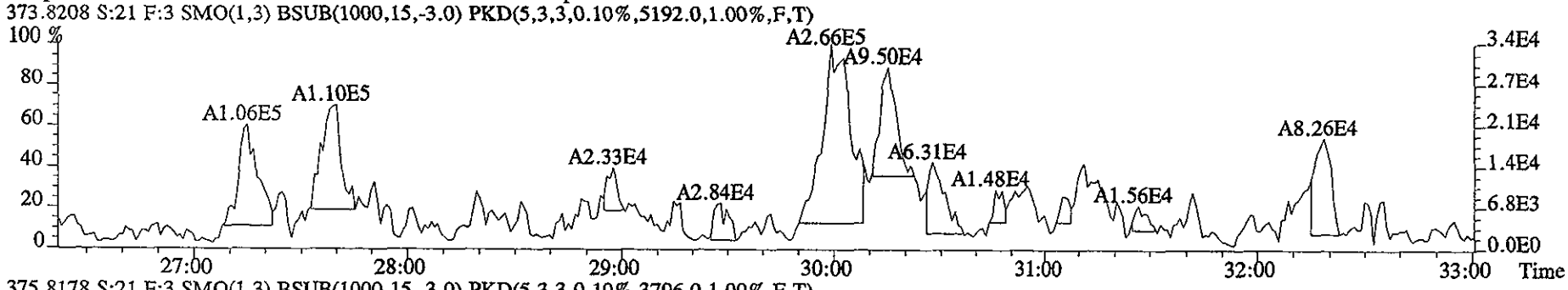


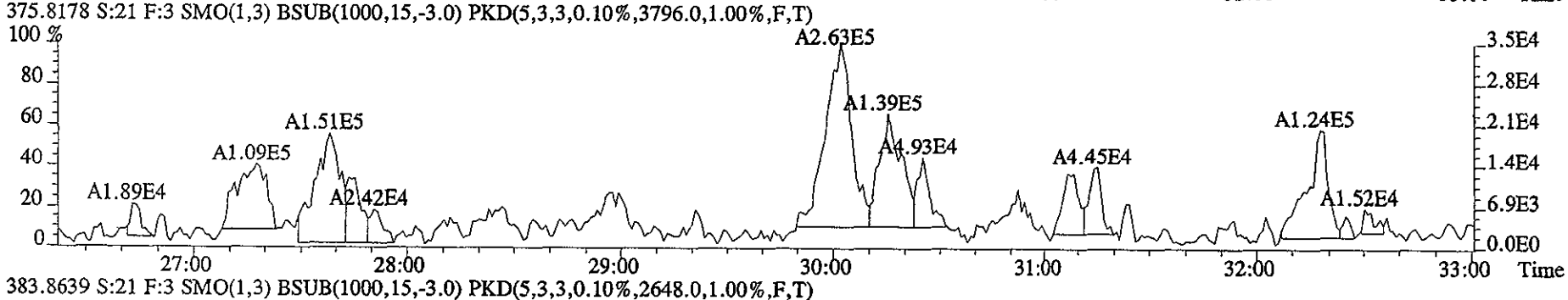


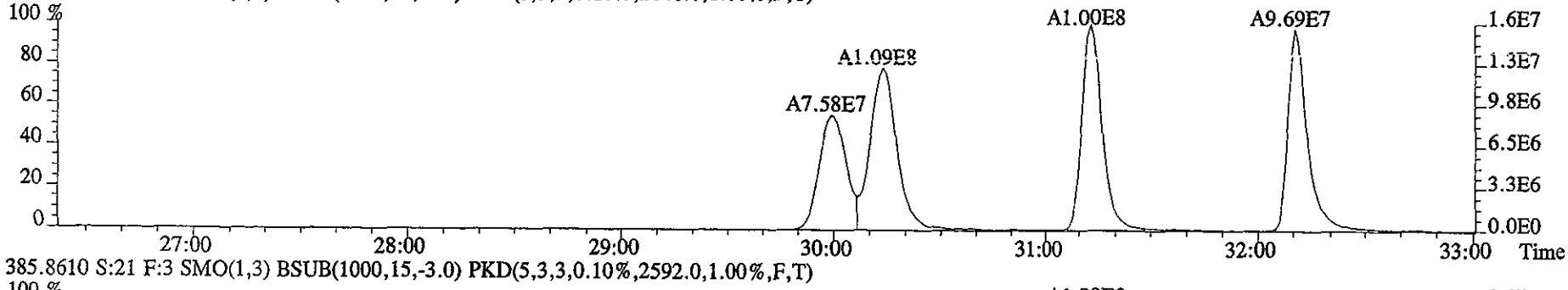


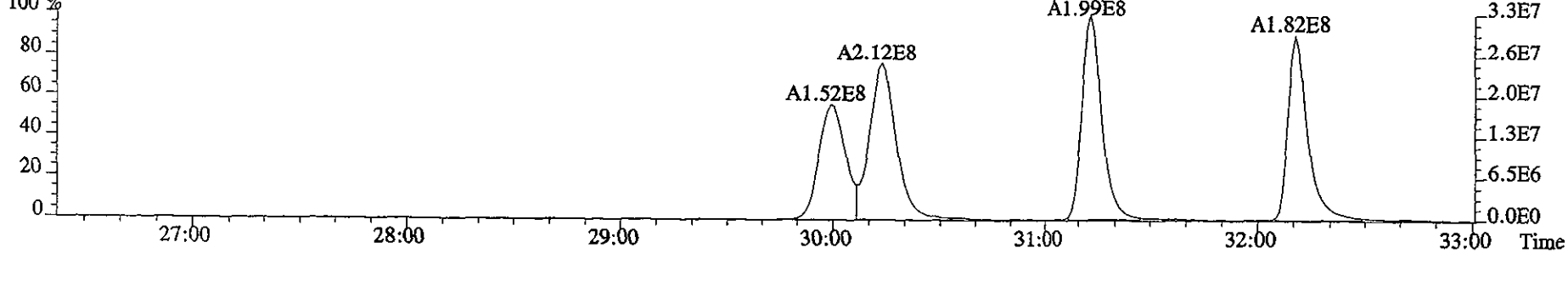


File:29AP101D5 #1-447 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES

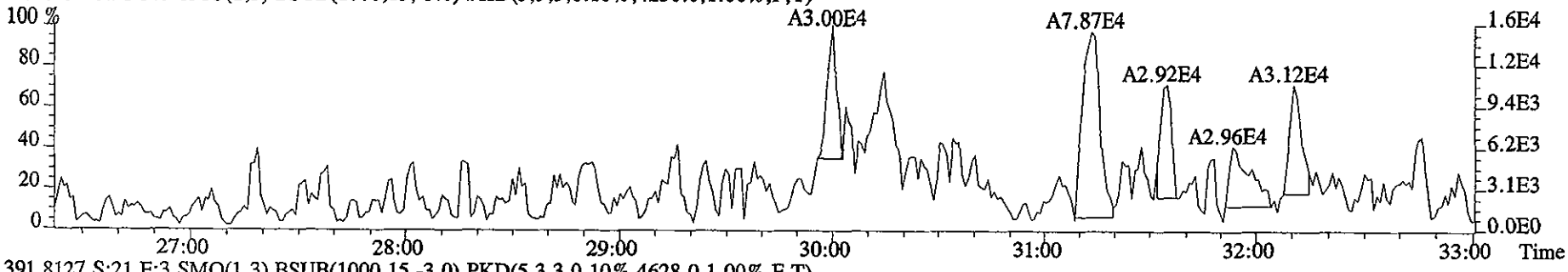




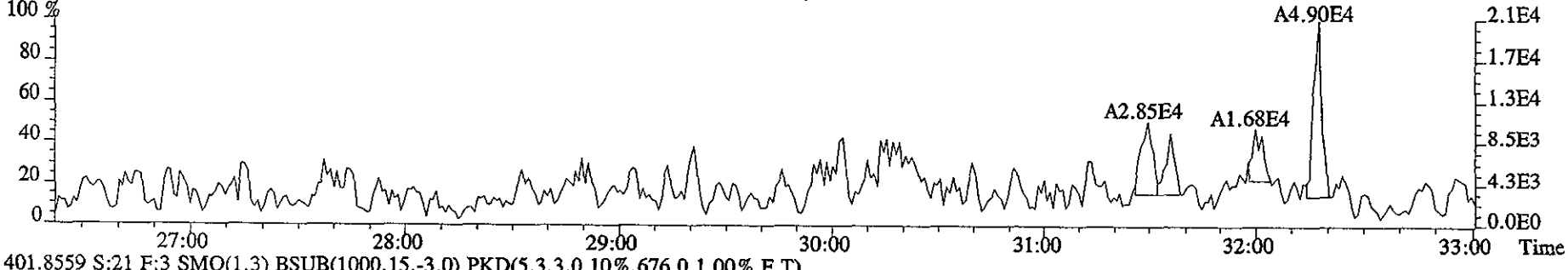




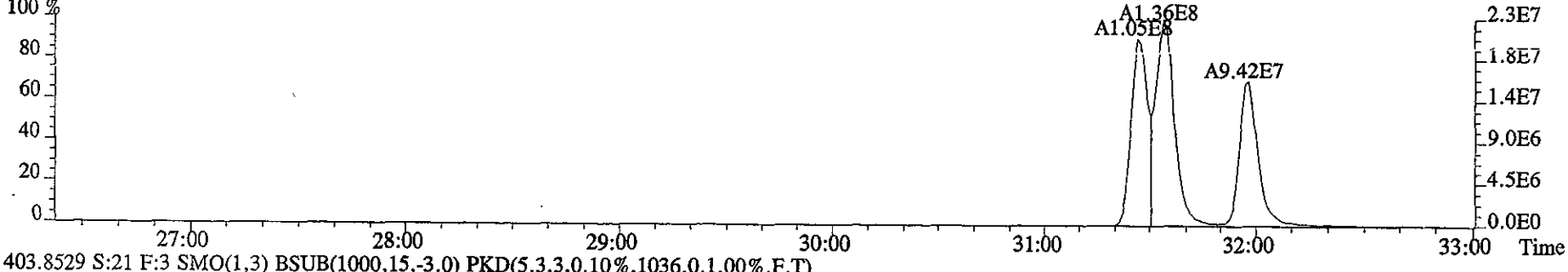
File:29AP101D5 #1-447 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
389.8157 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4256.0,1.00%,F,T)



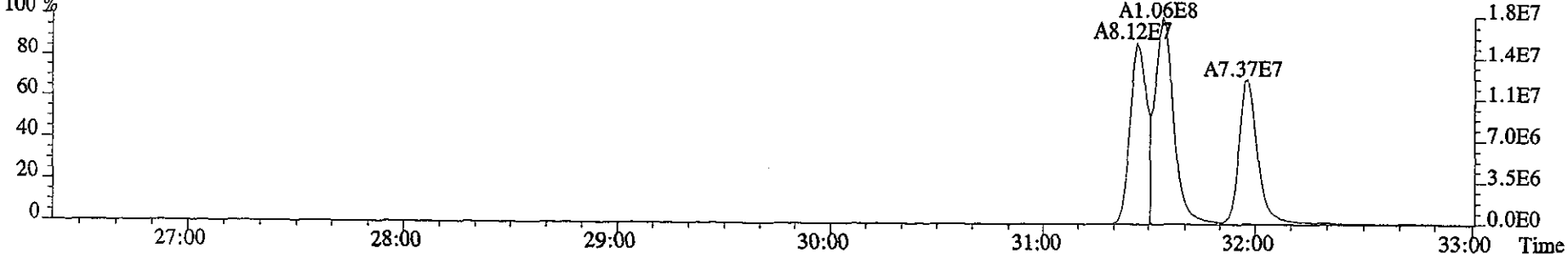
391.8127 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4628.0,1.00%,F,T)



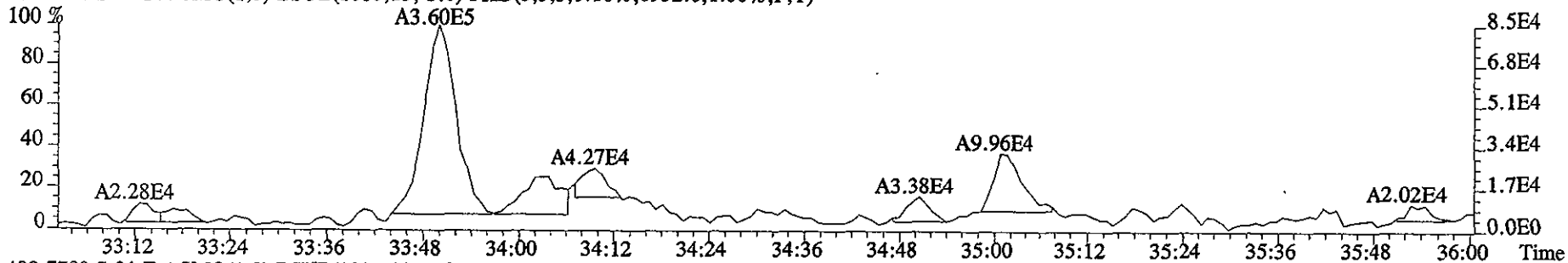
401.8559 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



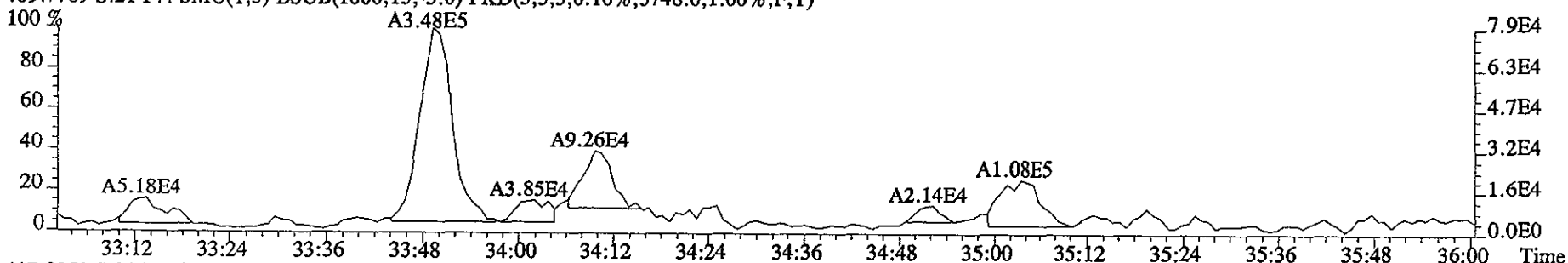
403.8529 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1036.0,1.00%,F,T)



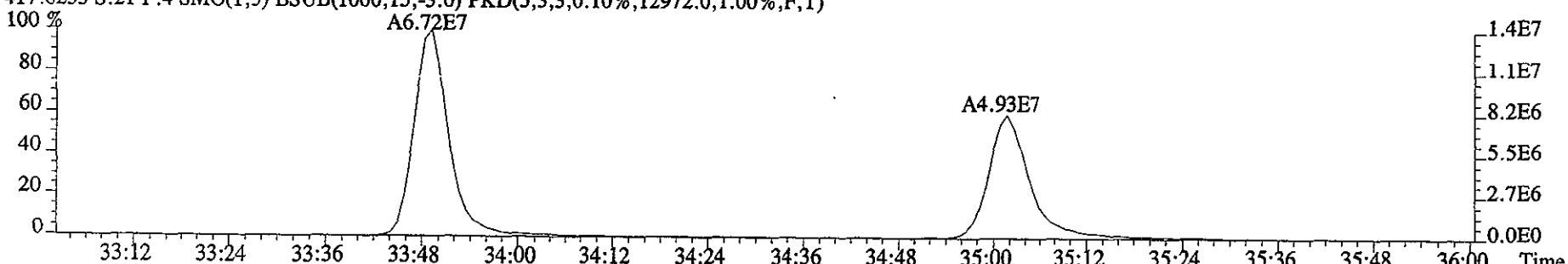
File:29AP101D5 #1-210 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
407.7818 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6932.0,1.00%,F,T)



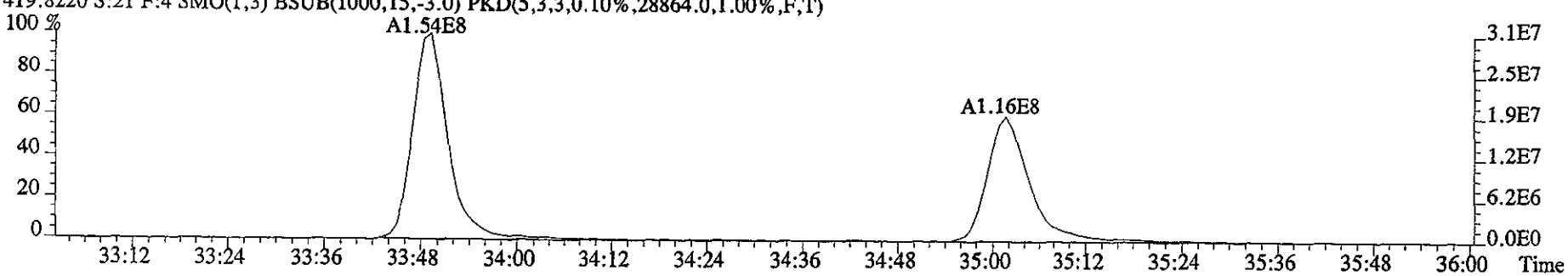
409.7789 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5748.0,1.00%,F,T)



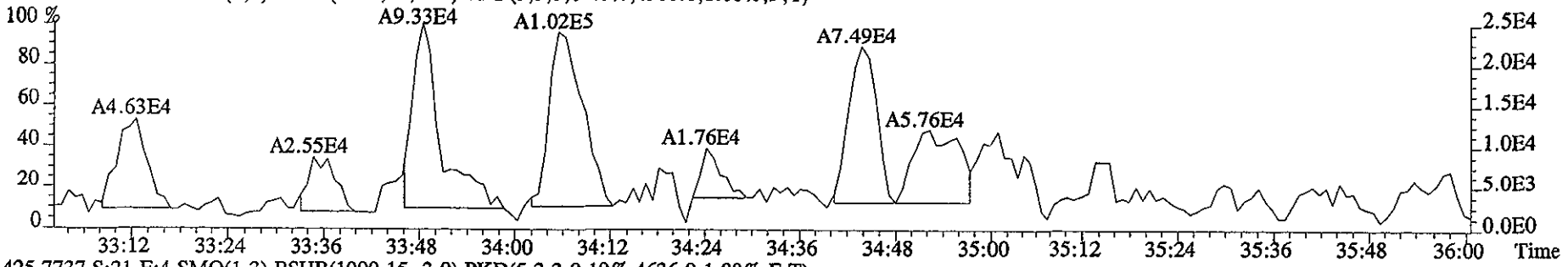
417.8253 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12972.0,1.00%,F,T)



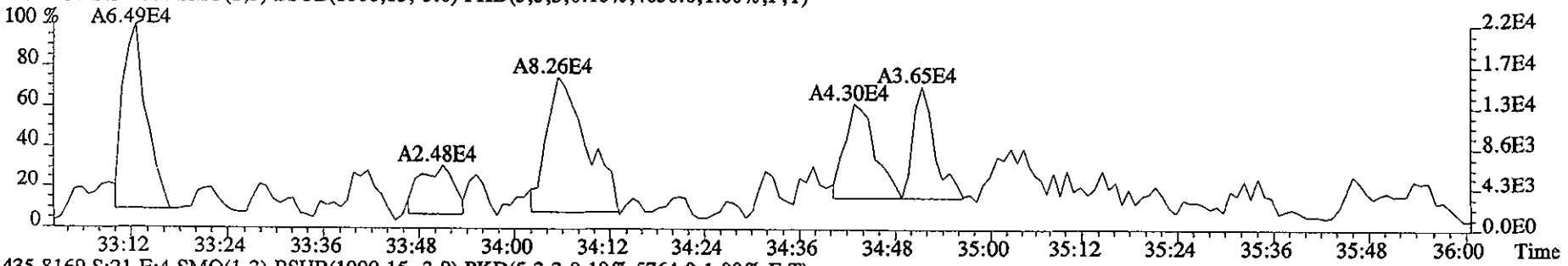
419.8220 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28864.0,1.00%,F,T)



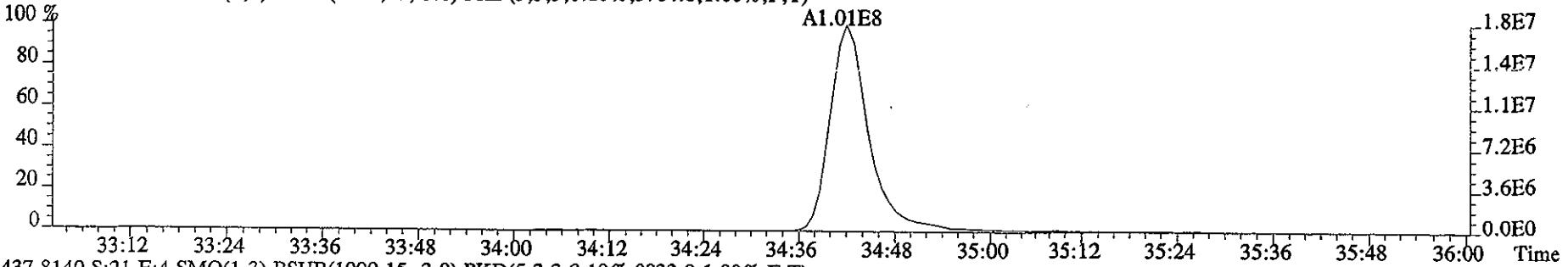
File:29AP101D5 #1-210 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
423.7766 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)



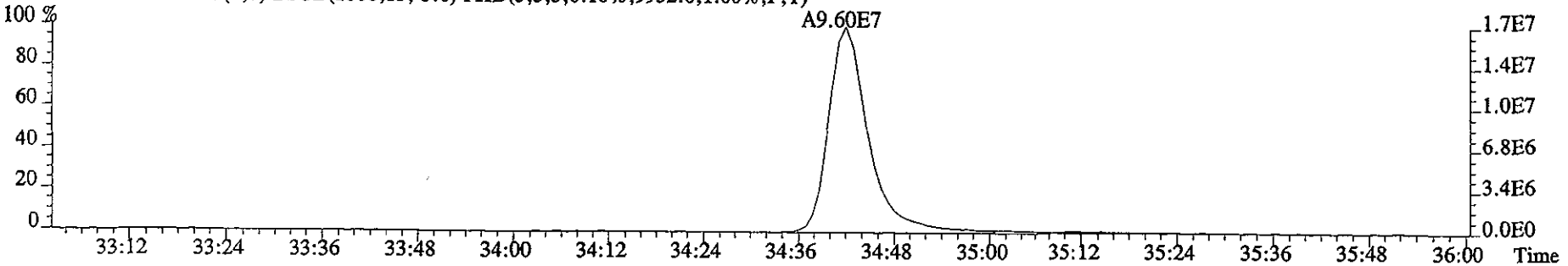
425.7737 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4636.0,1.00%,F,T)



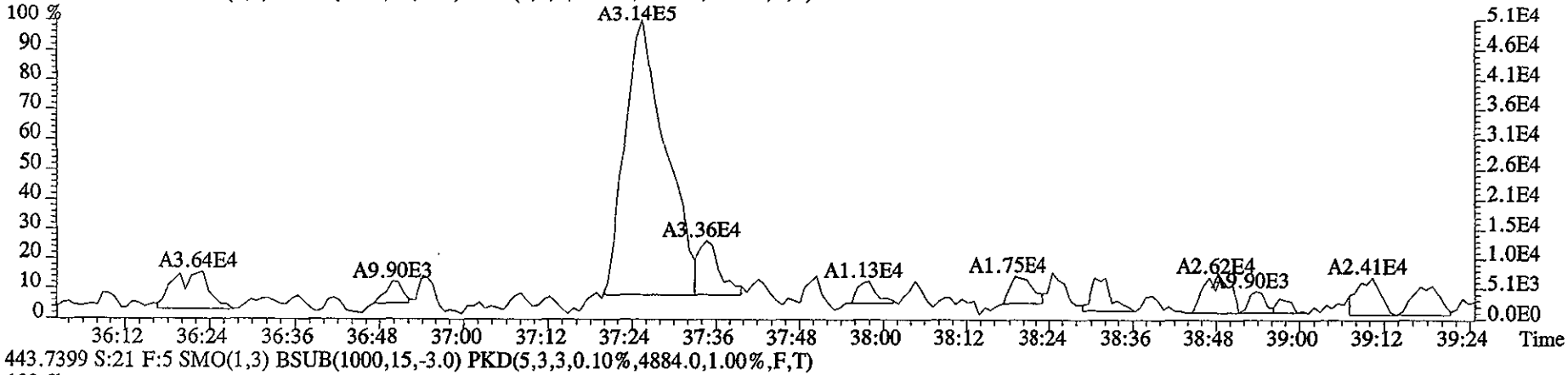
435.8169 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5764.0,1.00%,F,T)



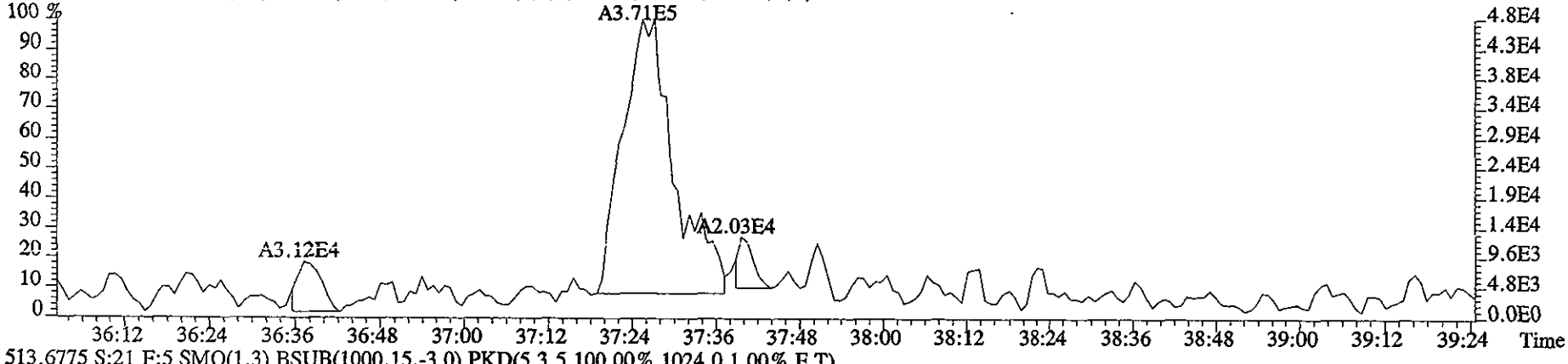
437.8140 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9932.0,1.00%,F,T)



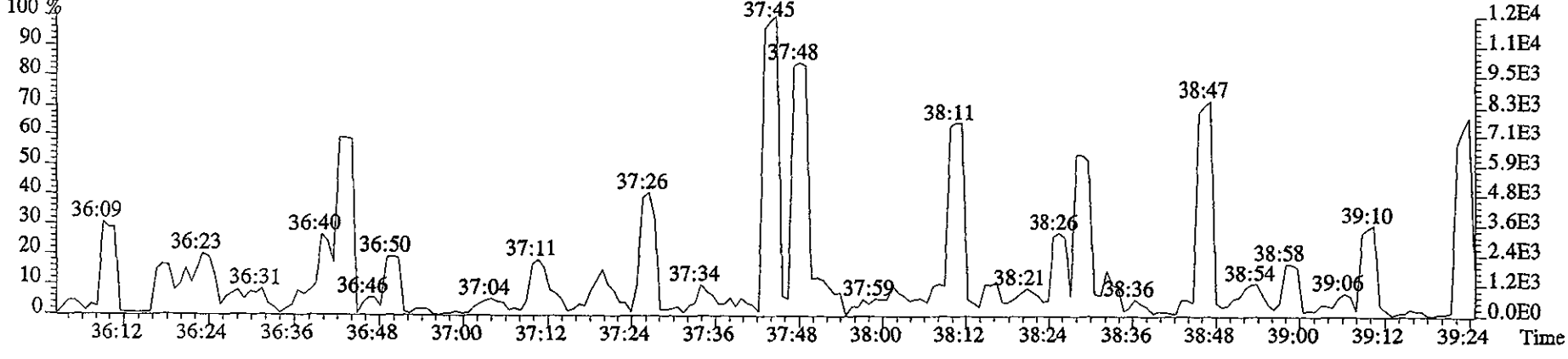
File:29AP101D5 #1-244 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3352.0,1.00%,F,T)



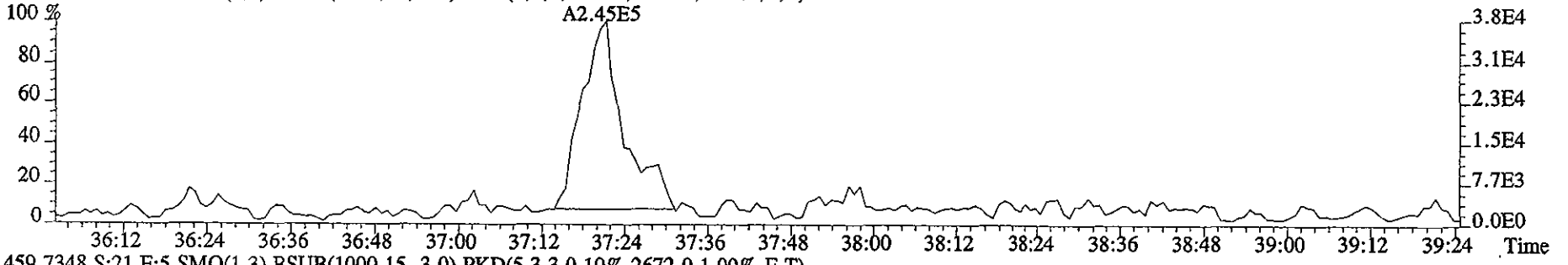
443.7399 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4884.0,1.00%,F,T)



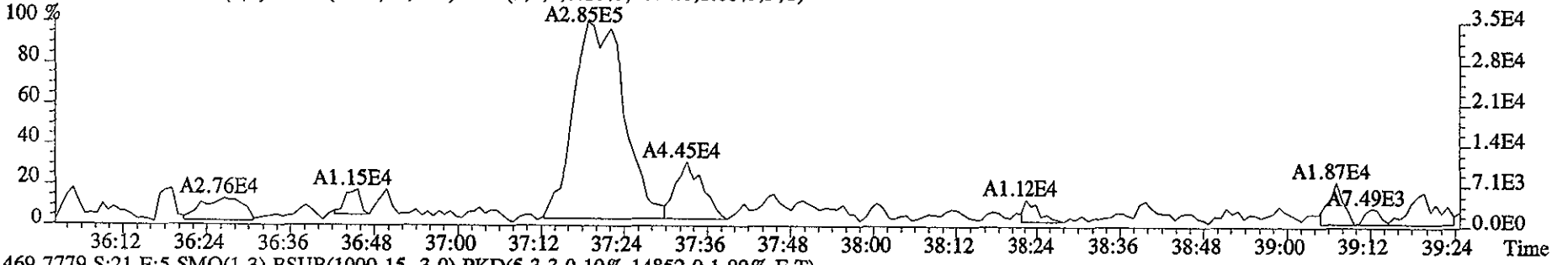
513.6775 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1024.0,1.00%,F,T)



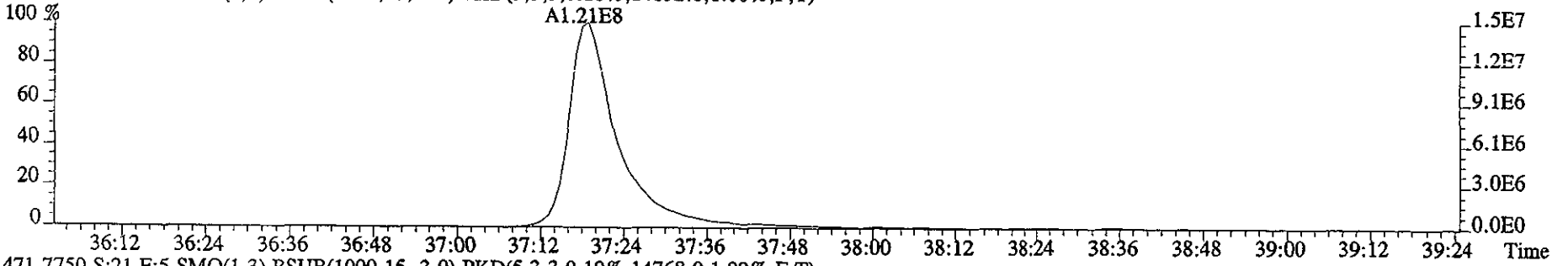
File:29AP101D5 #1-244 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
457.7377 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3632.0,1.00%,F,T)



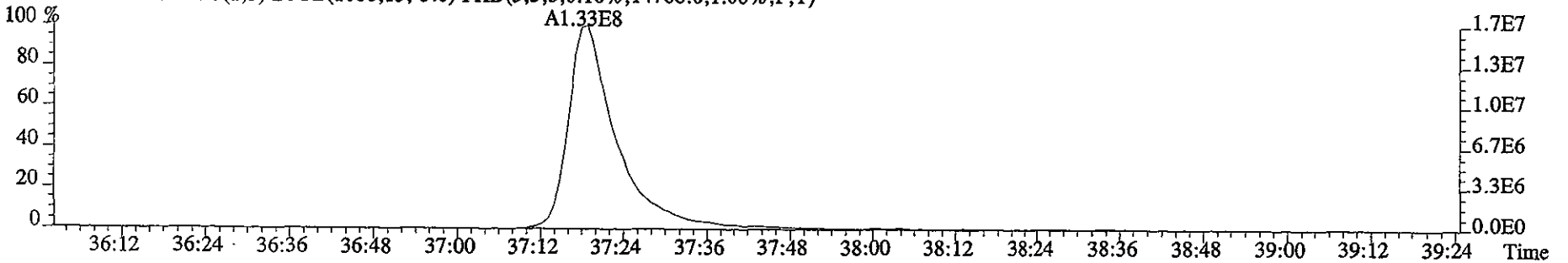
459.7348 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2672.0,1.00%,F,T)



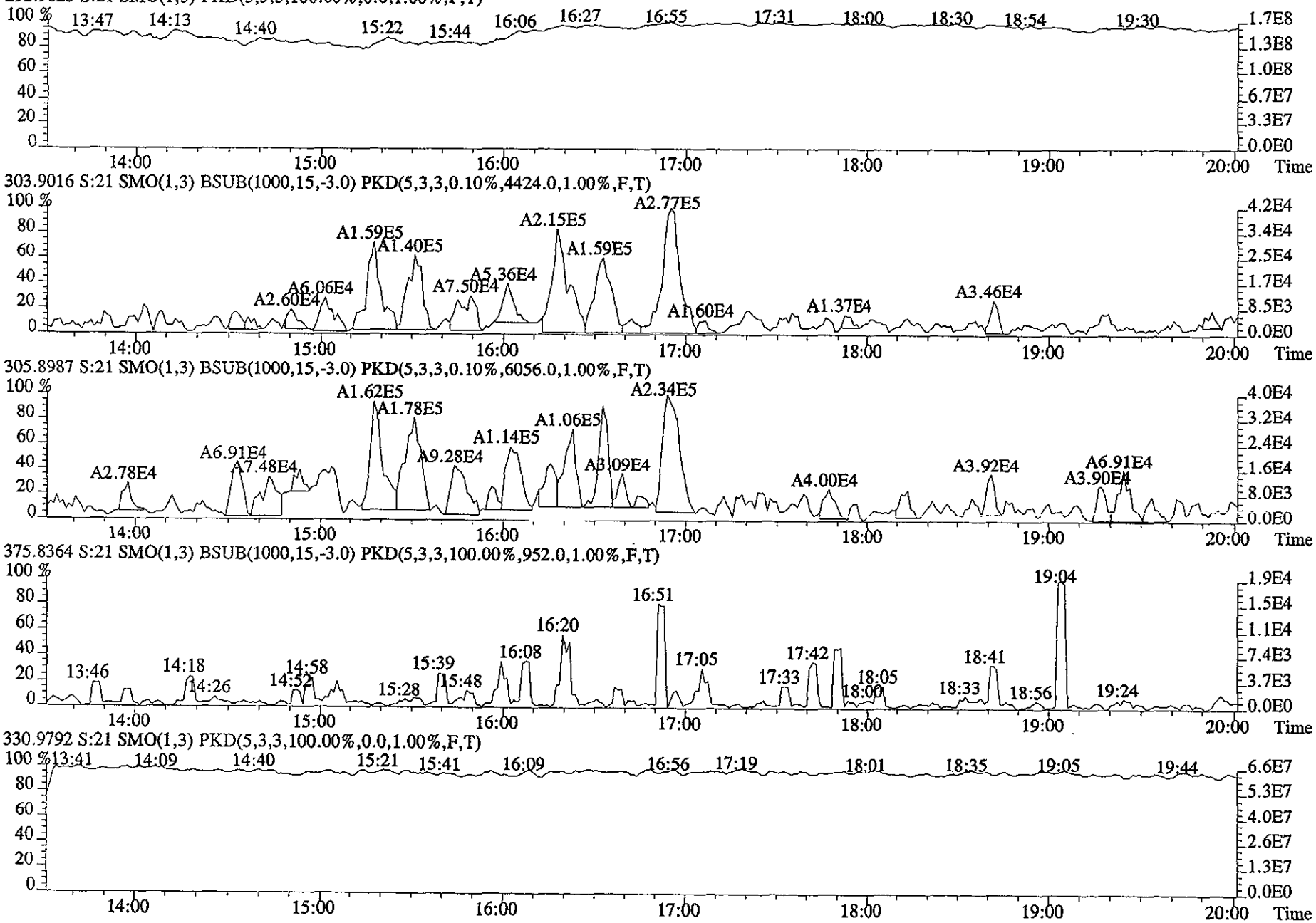
469.7779 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14852.0,1.00%,F,T)



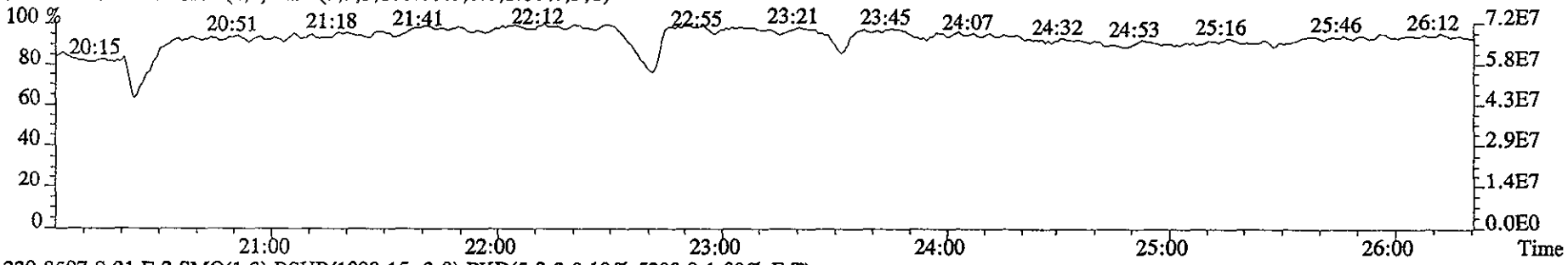
471.7750 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14768.0,1.00%,F,T)



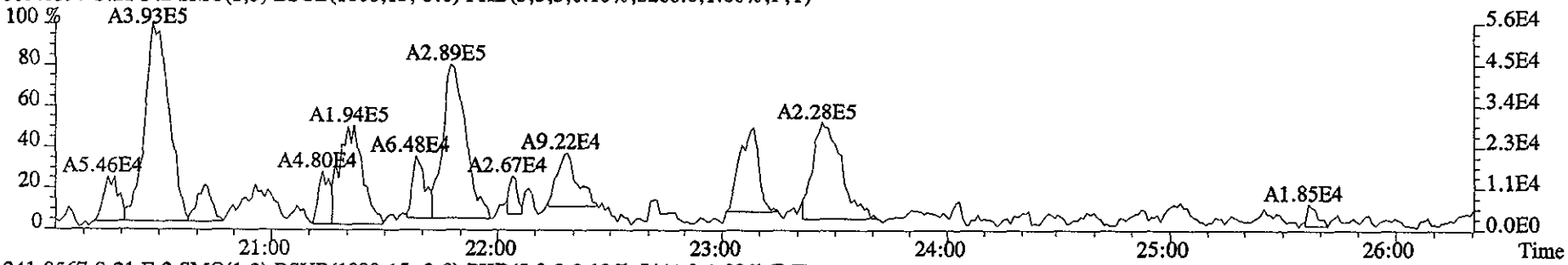
File:29AP101D5 #1-385 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES



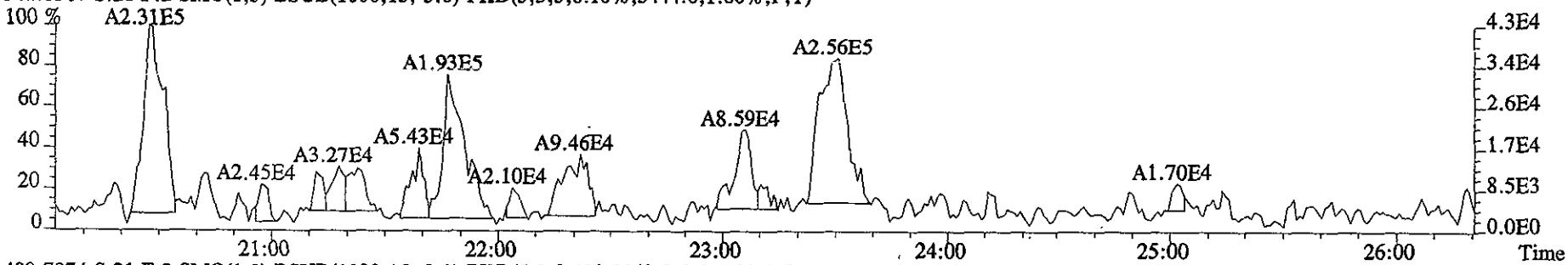
File:29AP101D5 #1-444 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
342.9792 S:21 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



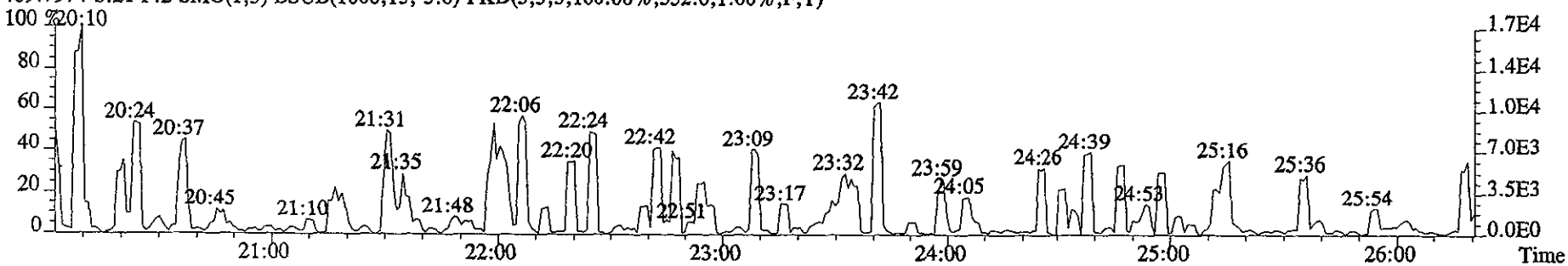
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5288.0,1.00%,F,T)



341.8567 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5444.0,1.00%,F,T)

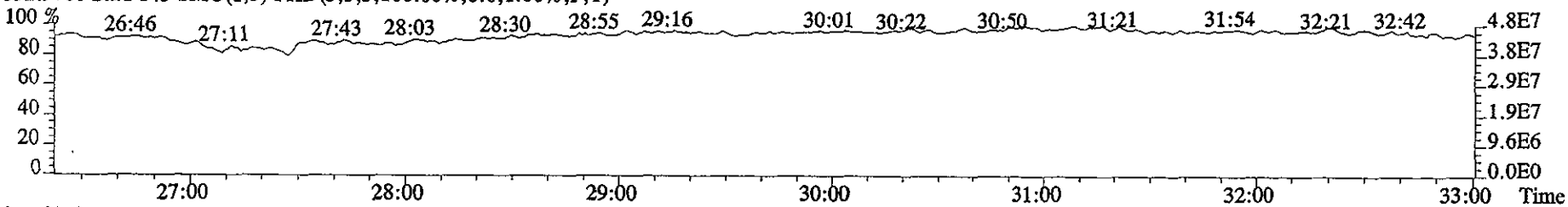


409.7974 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,552.0,1.00%,F,T)

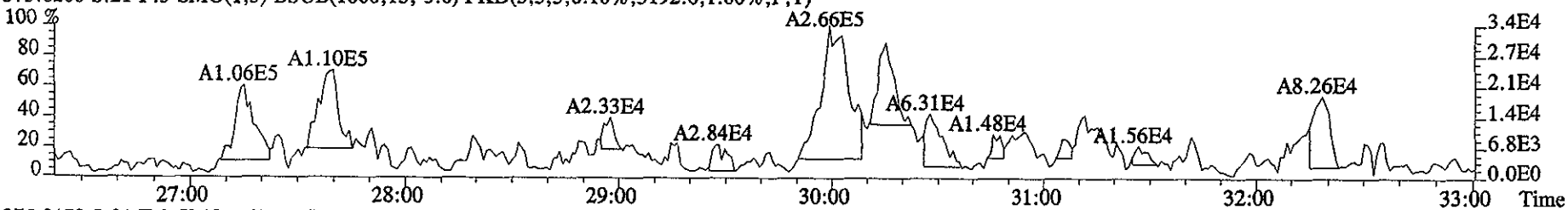


File:29AP101D5 #1-447 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES

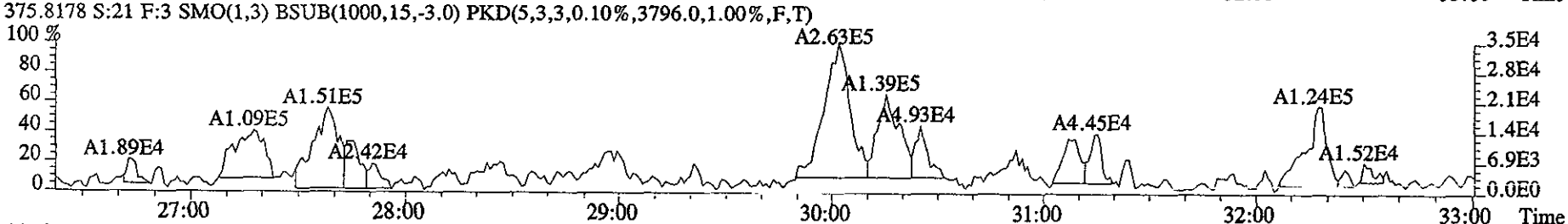
392.9760 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



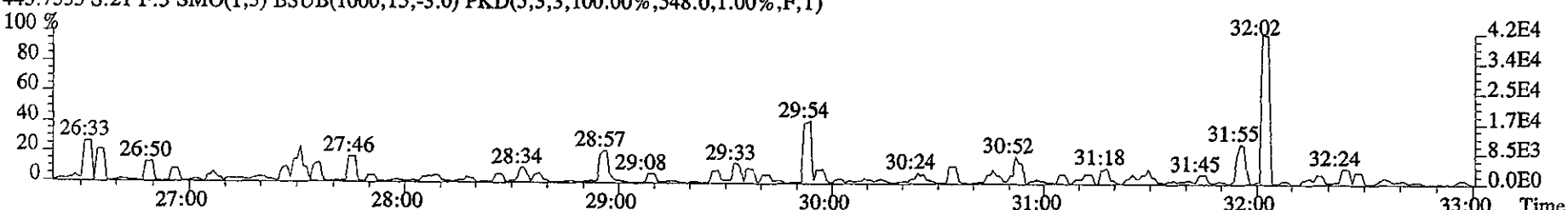
373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5192.0,1.00%,F,T)



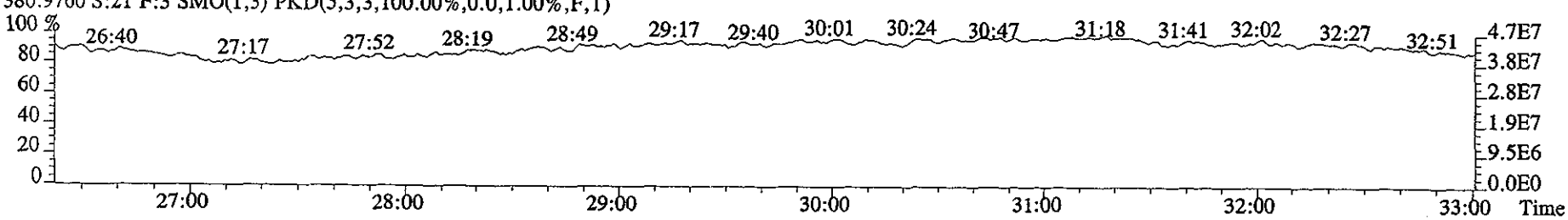
375.8178 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3796.0,1.00%,F,T)



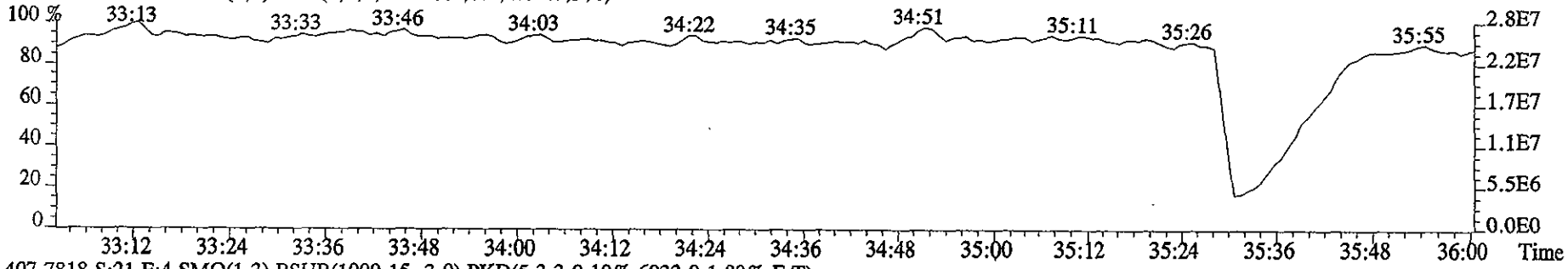
445.7555 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,548.0,1.00%,F,T)



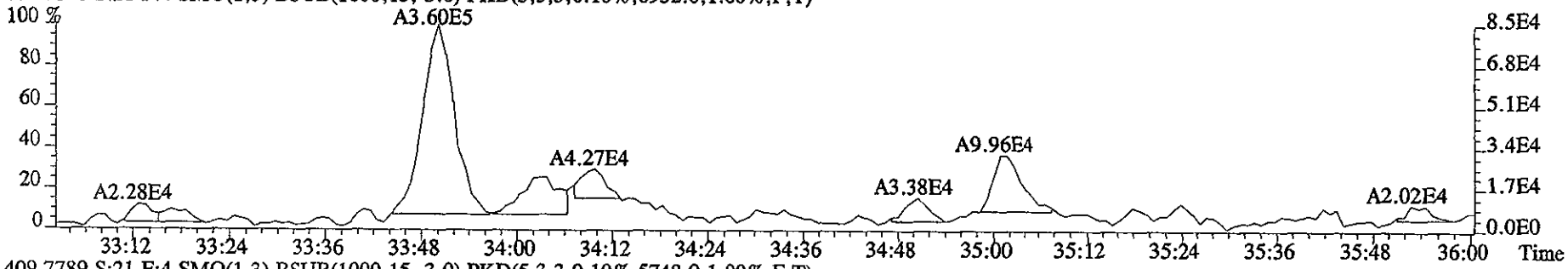
380.9760 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



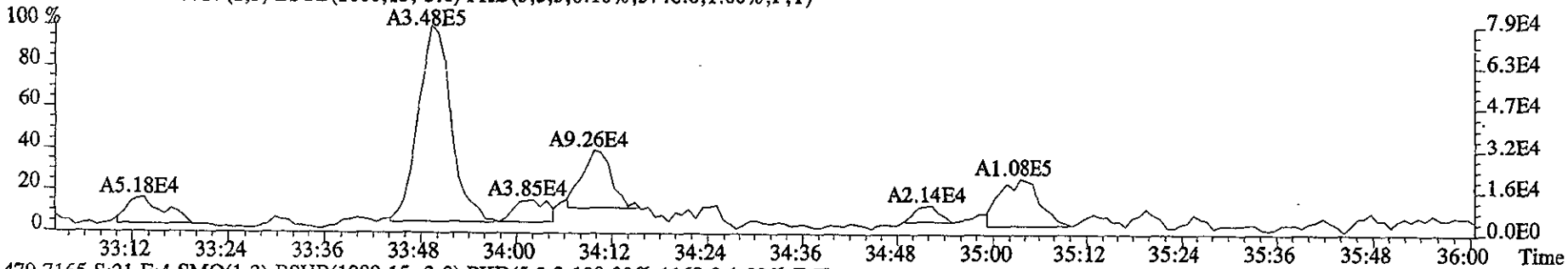
File:29AP101D5 #1-210 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
430.9728 S:21 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



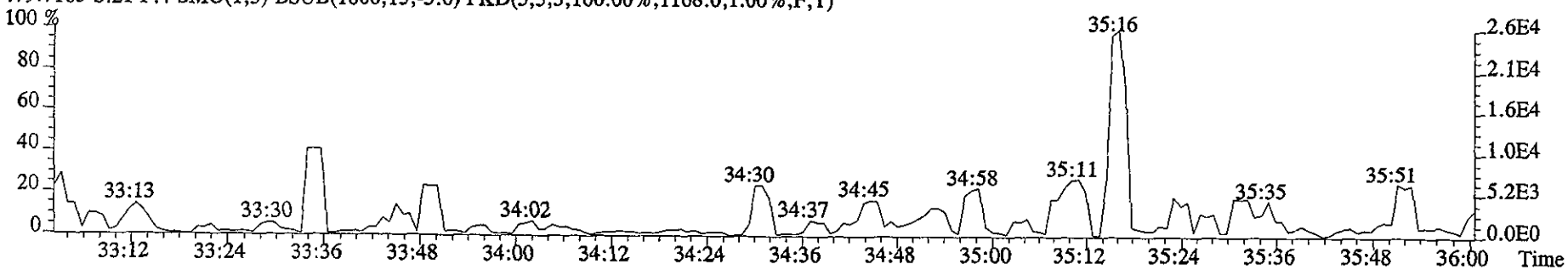
407.7818 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6932.0,1.00%,F,T)



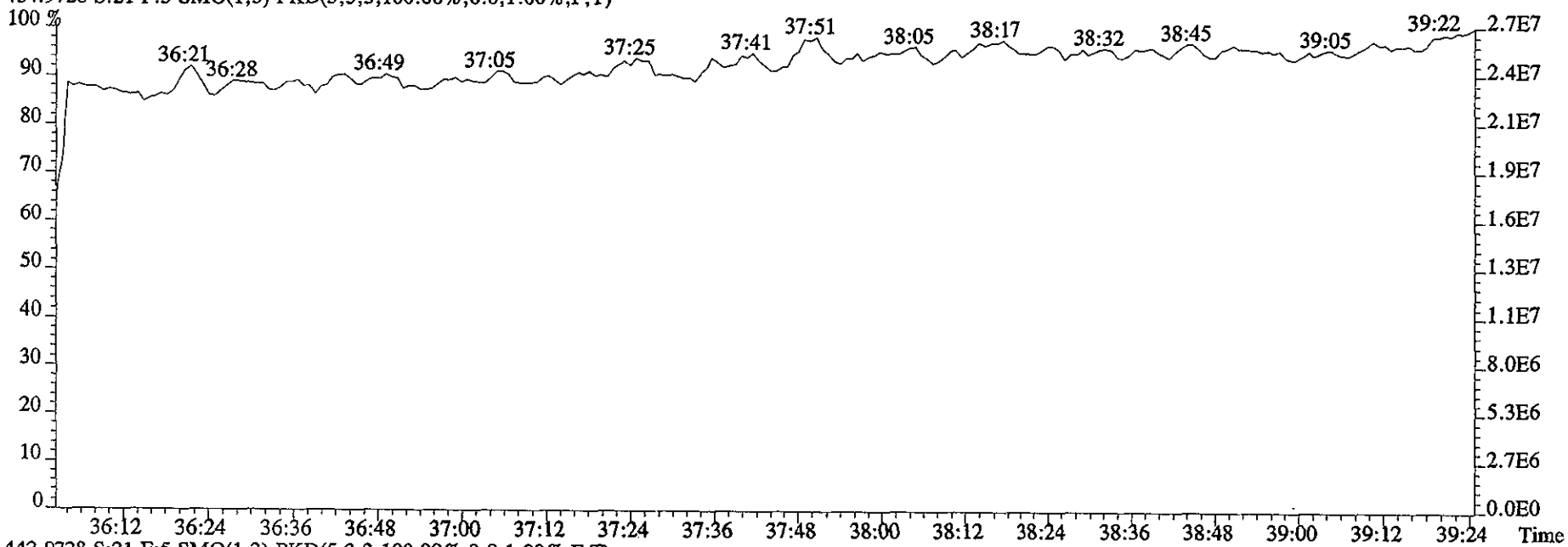
409.7789 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5748.0,1.00%,F,T)



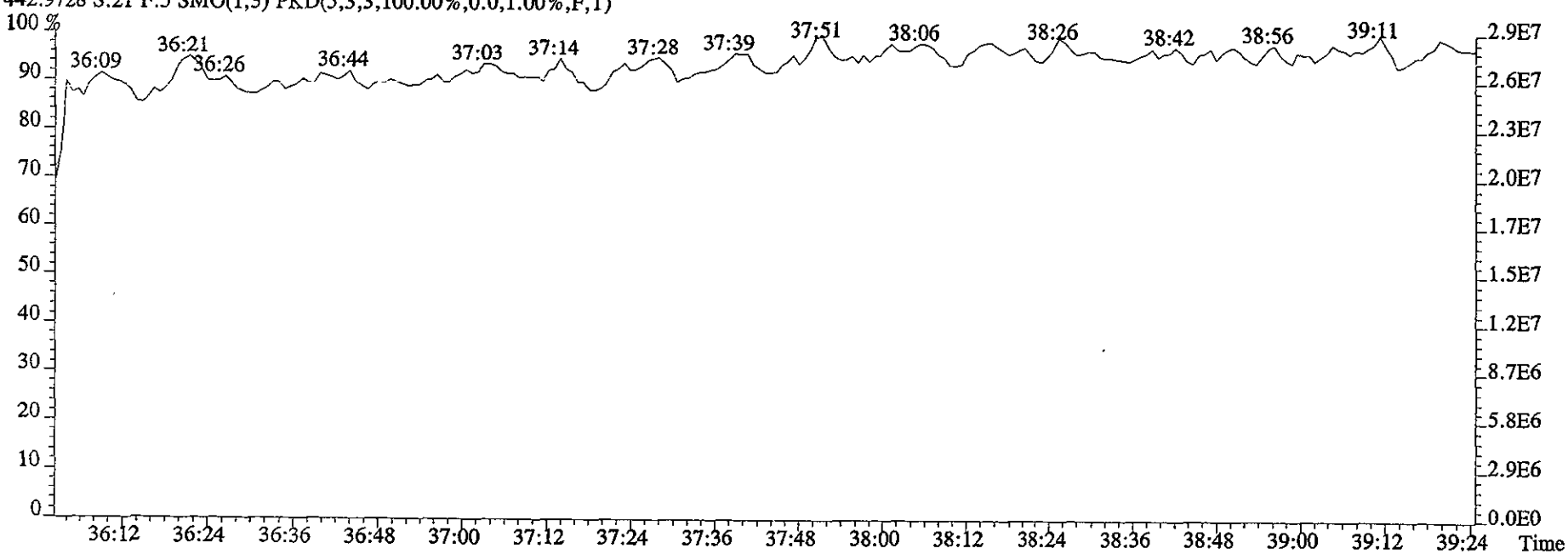
479.7165 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1168.0,1.00%,F,T)



File:29AP101D5 #1-244 Acq:30-APR-2010 00:13:05 GC EI+ Voltage SIR 70SE
Sample#21 Text:L0E7B-1-AA :G0D160435-11MB Exp:DIOXINRES
454.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L0E7V-1-AC Sample text: L0E7V-1-AC :G0D230000-286C RI
Run #22 Filename: 04MY10A4D5 S: 22 I: 1 Results: 04MY10A4D58290A
Acquired: 5-MAY-10 14:09:59 Processed: 5-MAY-10 15:56:36
Run: 04MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.00 g

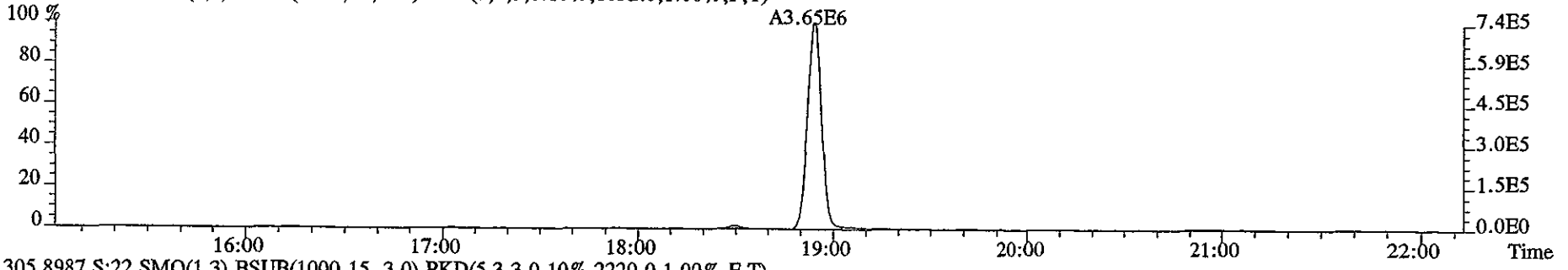
5/6/10 MG

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	40640100	0.81	y	19:27	-	3.0547	-	-	n
13C-2,3,7,8-TCDF	72421200	0.81	y	18:53	1.52	117.1809	0.1215	58.6	n
2,3,7,8-TCDF	8490490	0.76	y	18:54	0.95	24.8039	0.1394	-	n
Total TCDF	8631864	0.99	n	16:13	0.95	25.2169	0.1394	-	n
13C-2,3,7,8-TCDD	52955600	0.81	y	19:40	0.95	137.2070	0.3915	68.6	n
2,3,7,8-TCDD	6276720	0.80	y	19:41	1.02	23.2176	0.0939	-	n
Total TCDD	6322804	0.73	y	16:45	1.02	23.3881	0.0939	-	n
37Cl-2,3,7,8-TCDD	52839200	1.00	y	19:41	2.26	57.4968	0.0018	71.9	n
13C-1,2,3,7,8-PeCDF	58806200	1.60	y	24:32	1.05	137.7668	0.0044	68.9	n
1,2,3,7,8-PeCDF	37184900	1.57	y	24:33	1.04	121.0481	0.2324	-	n
2,3,4,7,8-PeCDF	37045100	1.59	y	26:02	0.98	128.2803	0.2472	-	n
Total F2 PeCDF	74832147	4.74	n	23:02	1.01	251.3491	0.2396	-	n
Total F1 PeCDF	428	0.06	n	19:27	1.01	0.0014	0.0893	-	n
13C-1,2,3,7,8-PeCDD	43044700	1.62	y	26:50	0.67	157.9744	0.1122	79.0	n
1,2,3,7,8-PeCDD	24562460	1.58	y	26:52	0.98	116.2263	0.1508	-	n
Total PeCDD	24739080	1.58	y	26:52	0.98	117.0620	0.1508	-	n
13C-1,2,3,7,8,9-HxCDD	31162700	1.28	y	33:05	-	3.0327	-	-	n
13C-1,2,3,4,7,8-HxCDF	41009400	0.50	y	31:54	1.02	128.4053	0.1013	64.2	n
1,2,3,4,7,8-HxCDF	33199200	1.22	y	31:55	1.21	133.5211	0.0351	-	n
1,2,3,6,7,8-HxCDF	40626600	1.24	y	32:02	1.34	147.5535	0.0317	-	n
2,3,4,6,7,8-HxCDF	37331300	1.27	y	32:37	1.22	148.9536	0.0348	-	n
1,2,3,7,8,9-HxCDF	31630200	1.25	y	33:15	1.09	141.2021	0.0389	-	n
Total HxCDF	143068694	1.72	n	30:46	1.22	572.3575	0.0349	-	n
13C-1,2,3,6,7,8-HxCDD	41547300	1.25	y	32:48	0.81	165.1953	0.0090	82.6	n
1,2,3,4,7,8-HxCDD	22389710	1.26	y	32:44	1.01	107.0563	0.0579	-	n
1,2,3,6,7,8-HxCDD	28309800	1.31	y	32:49	1.11	122.3412	0.0523	-	n
1,2,3,7,8,9-HxCDD	28402600	1.29	y	33:06	1.21	113.0860	0.0482	-	n
Total HxCDD	79102110	1.26	y	32:44	1.11	342.4835	0.0525	-	n
13C-1,2,3,4,6,7,8-HpCDF	39099800	0.45	y	34:35	0.86	145.4571	1.1182	72.7	n
1,2,3,4,6,7,8-HpCDF	31805700	0.97	y	34:36	1.31	124.2212	0.6326	-	n
1,2,3,4,7,8,9-HpCDF	25213700	0.95	y	35:43	1.03	125.7475	0.8078	-	n
Total HpCDF	57019400	0.97	y	34:36	1.17	249.9687	0.7096	-	n
13C-1,2,3,4,6,7,8-HpCDD	35203800	1.06	y	35:24	0.70	161.9621	0.2899	81.0	n
1,2,3,4,6,7,8-HpCDD	22607800	1.06	y	35:24	1.07	119.8294	0.1142	-	n
Total HpCDD	22695373	1.02	y	34:50	1.07	120.2935	0.1142	-	n
13C-OCDD	49805400	0.92	y	37:53	0.53	300.7672	0.0123	75.2	n

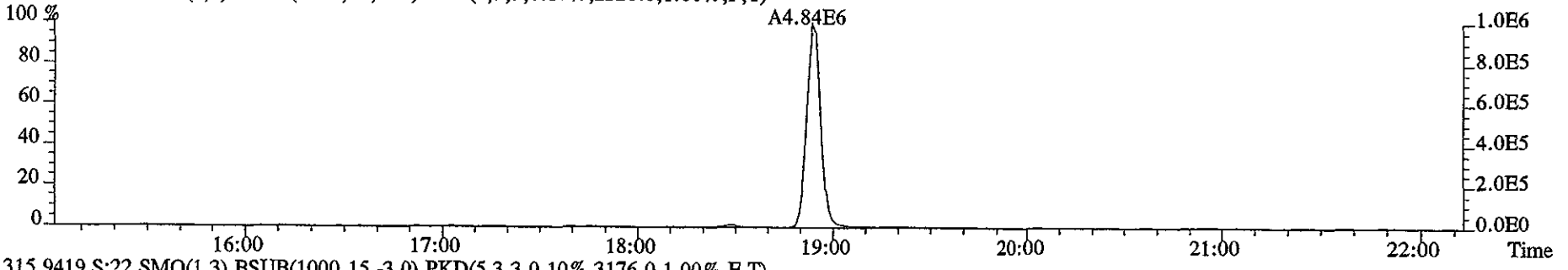
OCDF	43109800	0.91	y	38:00	1.45	239.5440	0.0653	- n
OCDD	36192100	0.89	y	37:54	1.17	249.2330	0.1559	- n

File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A

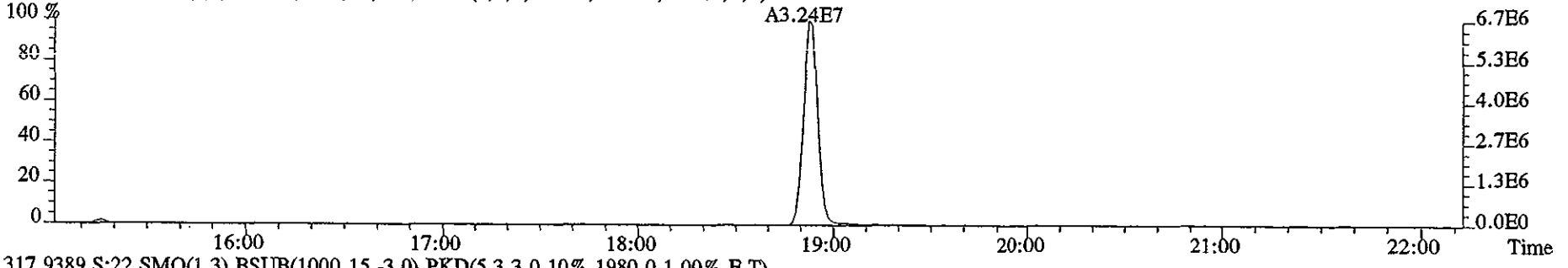
303.9016 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1032.0,1.00%,F,T)



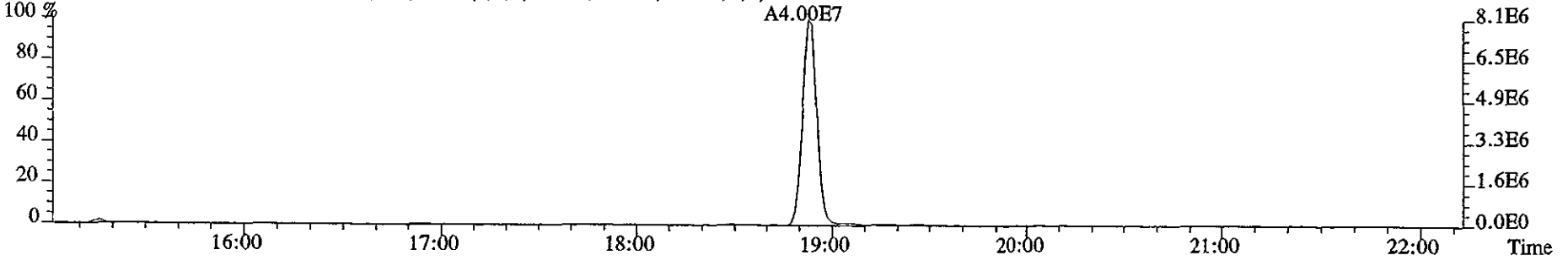
305.8987 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2220.0,1.00%,F,T)



315.9419 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)

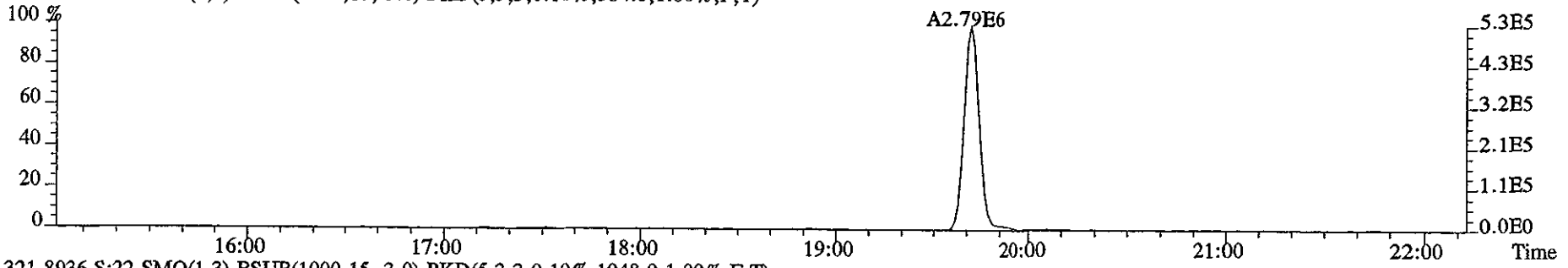


317.9389 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)

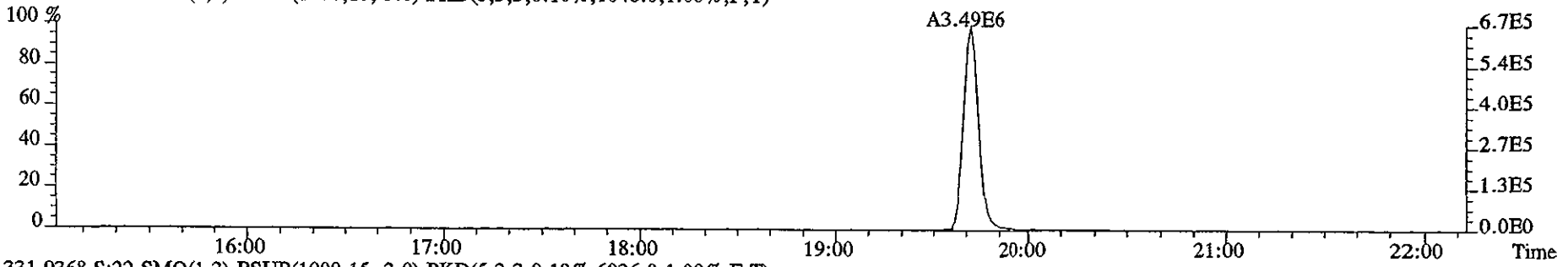


File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A

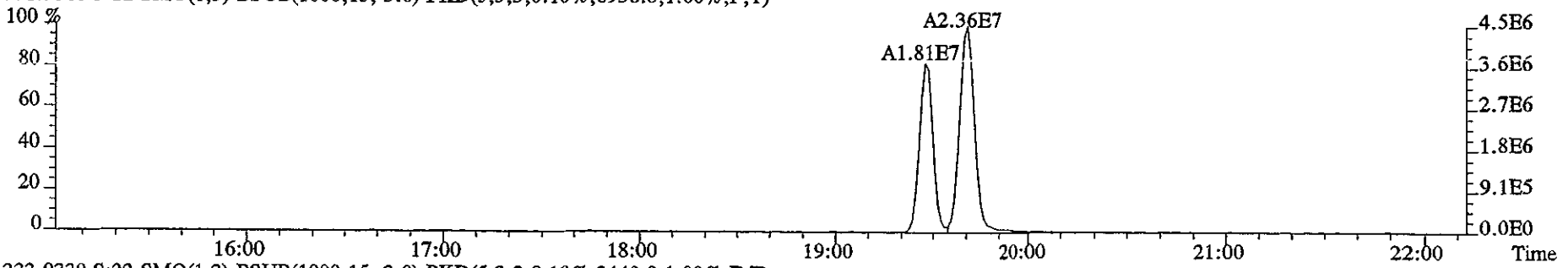
319.8965 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,584.0,1.00%,F,T)



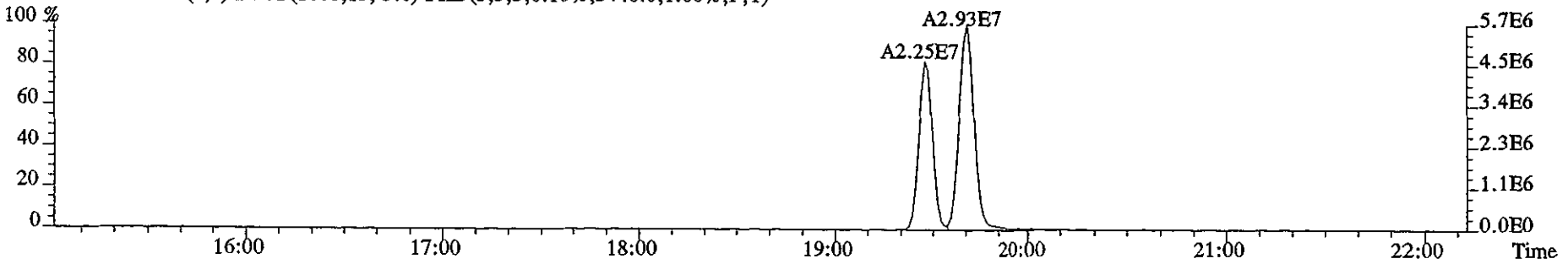
321.8936 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1048.0,1.00%,F,T)



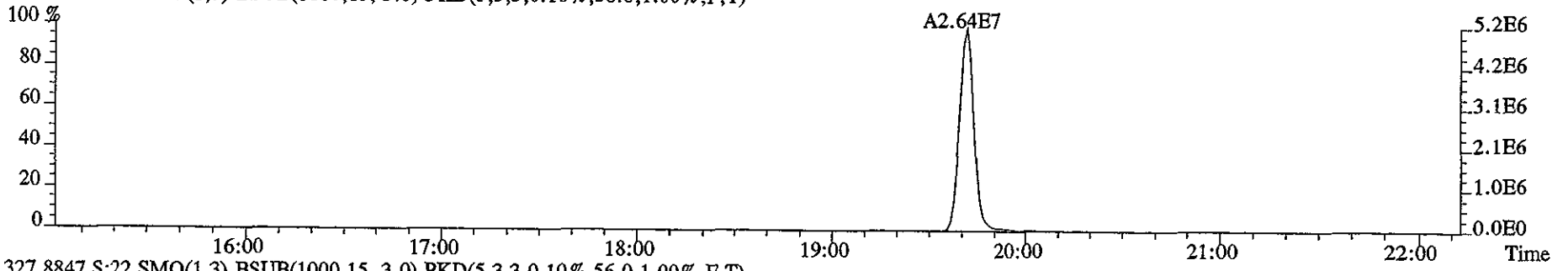
331.9368 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6936.0,1.00%,F,T)



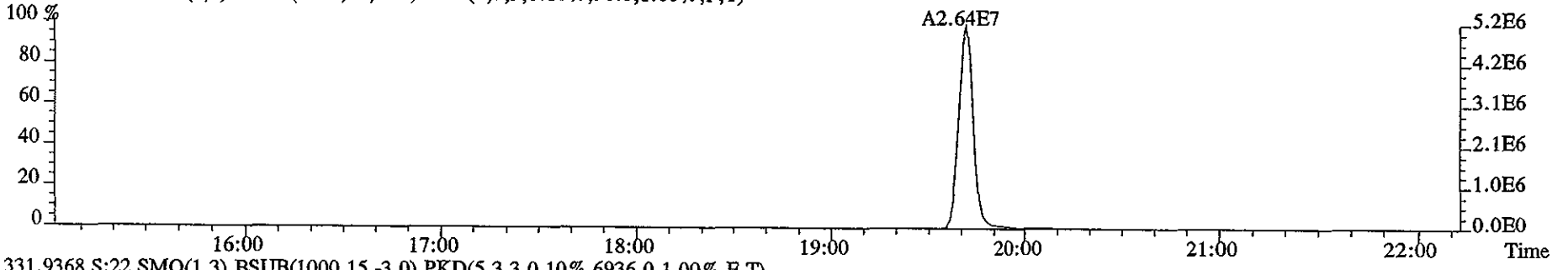
333.9339 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3440.0,1.00%,F,T)



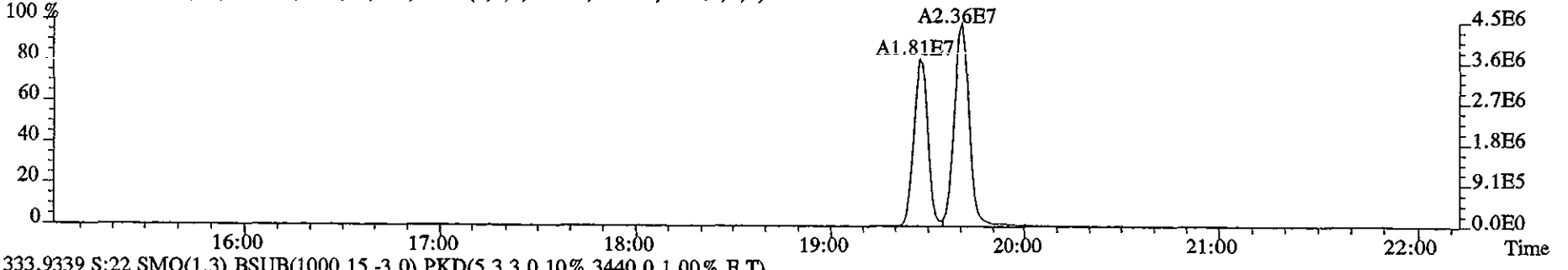
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A
327.8847 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



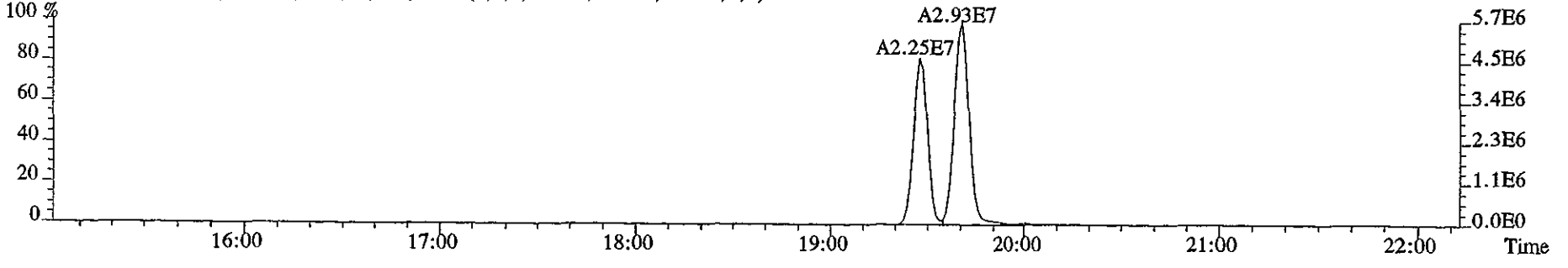
327.8847 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



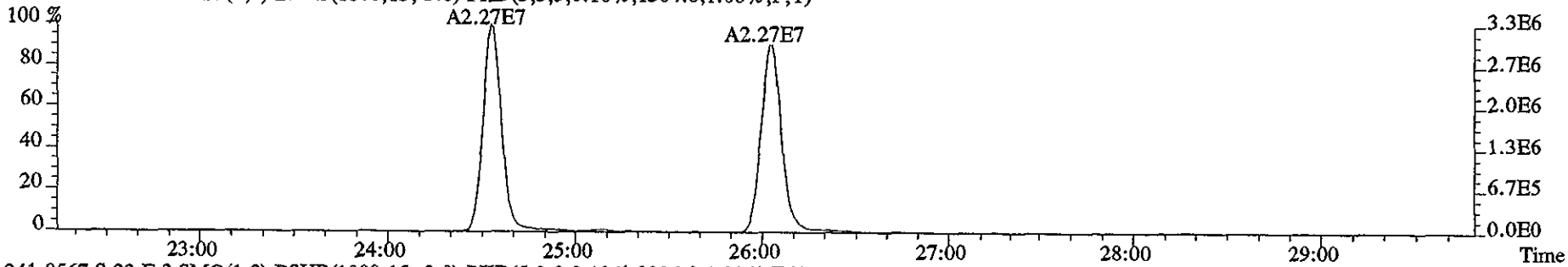
331.9368 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6936.0,1.00%,F,T)



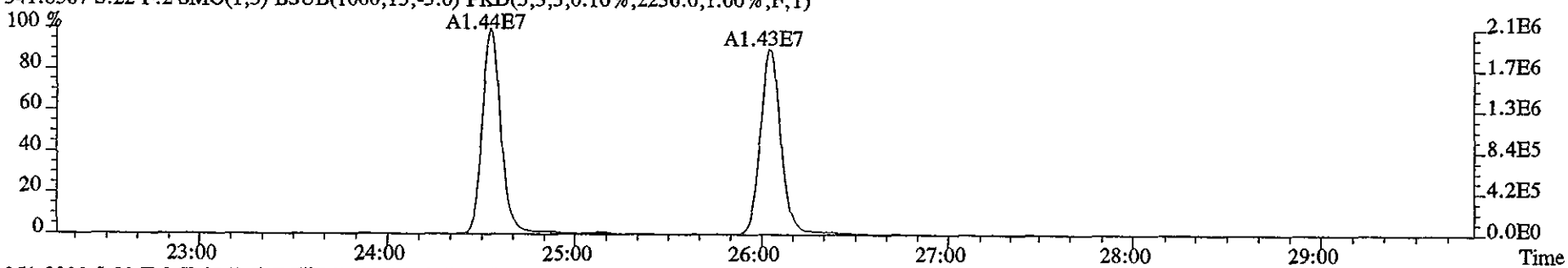
333.9339 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3440.0,1.00%,F,T)



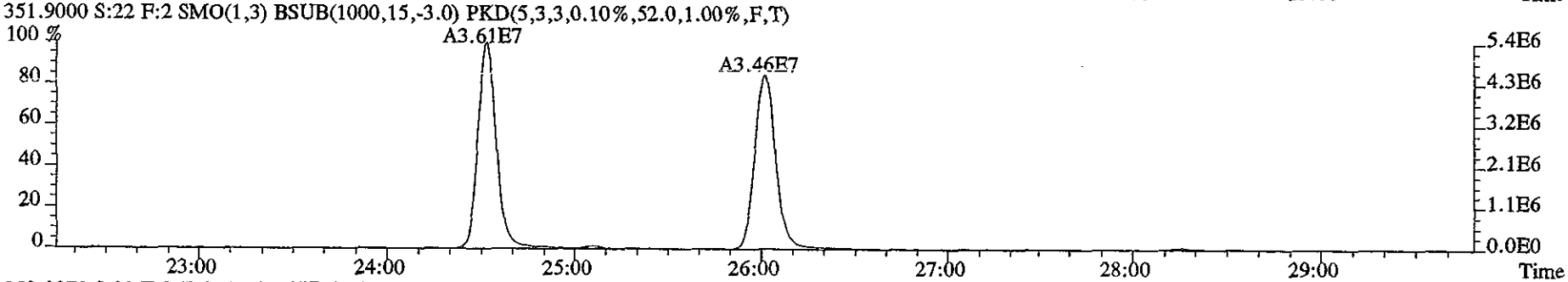
File:04MY10A4D5 #1-604 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A
339.8597 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1304.0,1.00%,F,T)



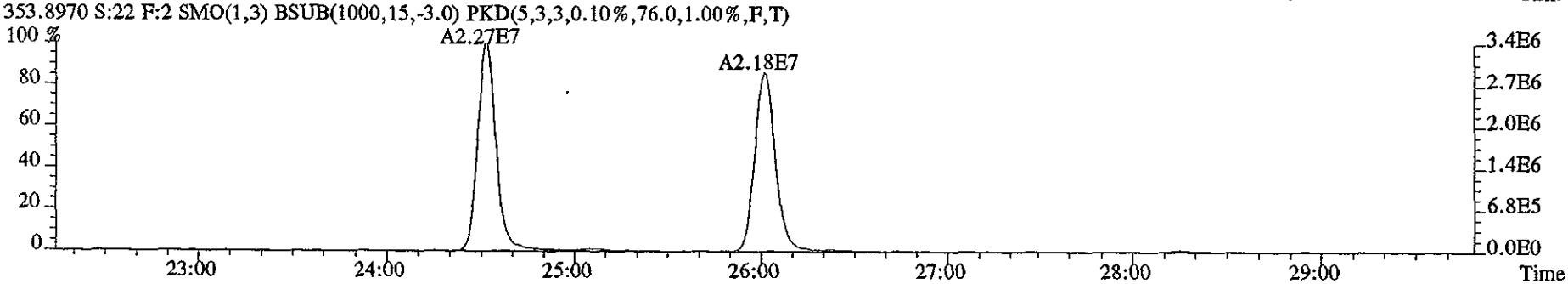
341.8567 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2236.0,1.00%,F,T)



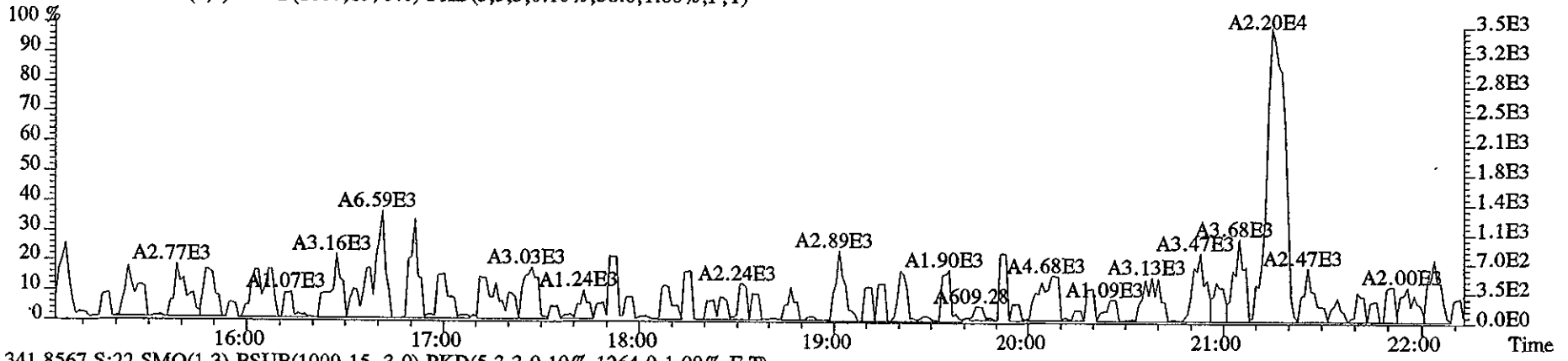
351.9000 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



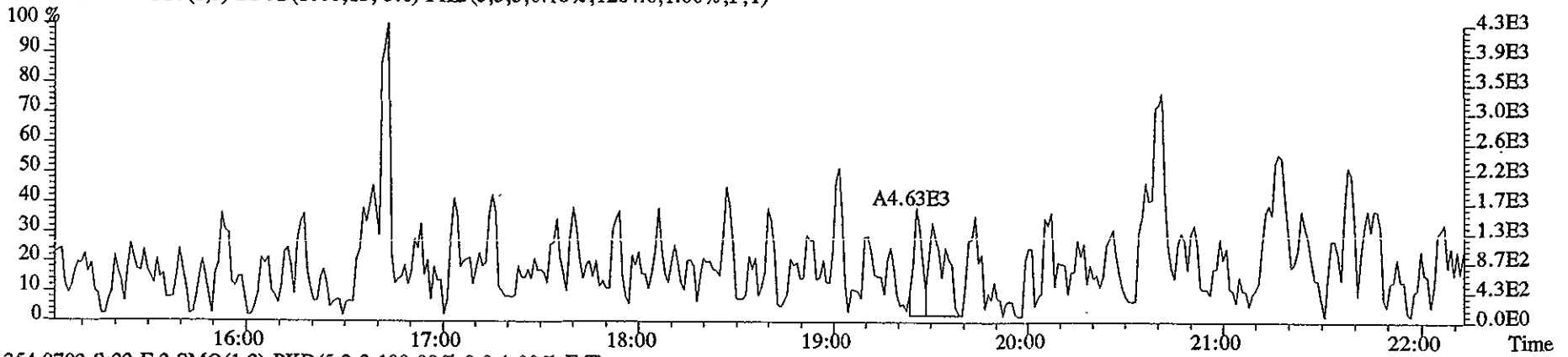
353.8970 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



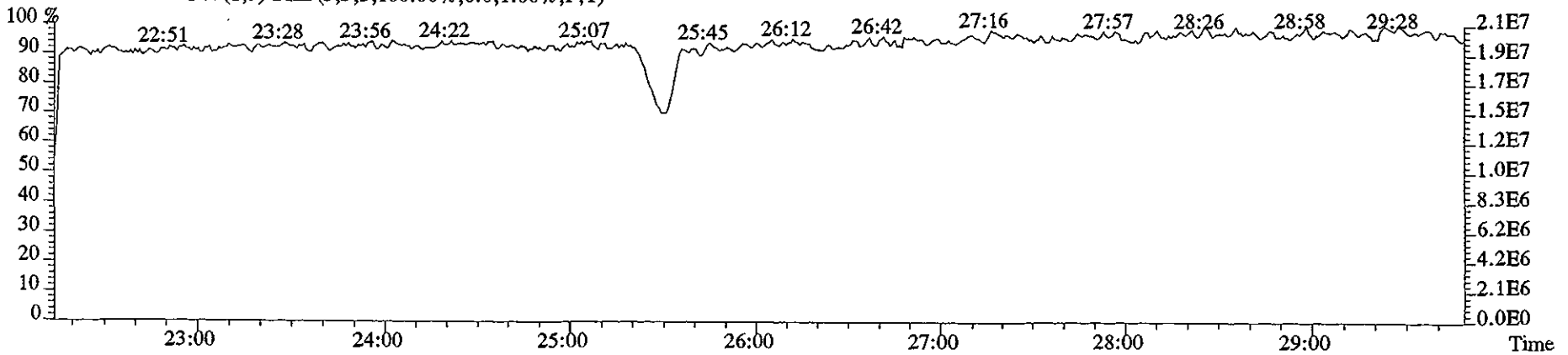
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A
339.8597 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



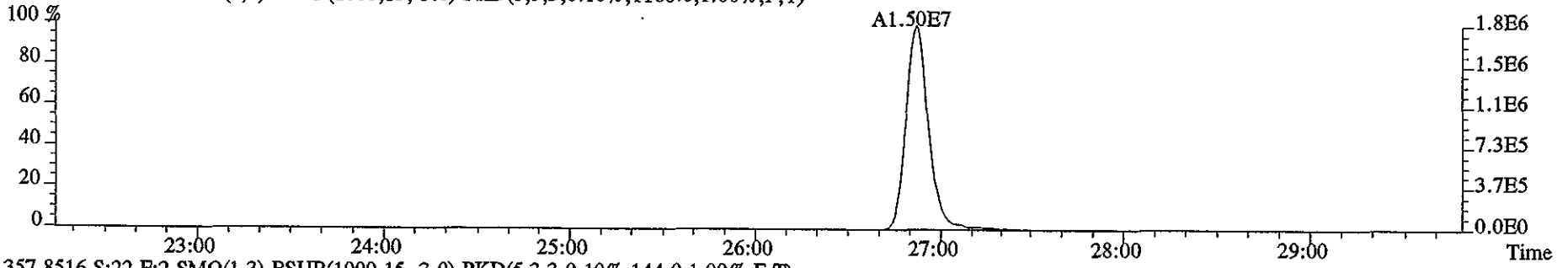
341.8567 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1264.0,1.00%,F,T)



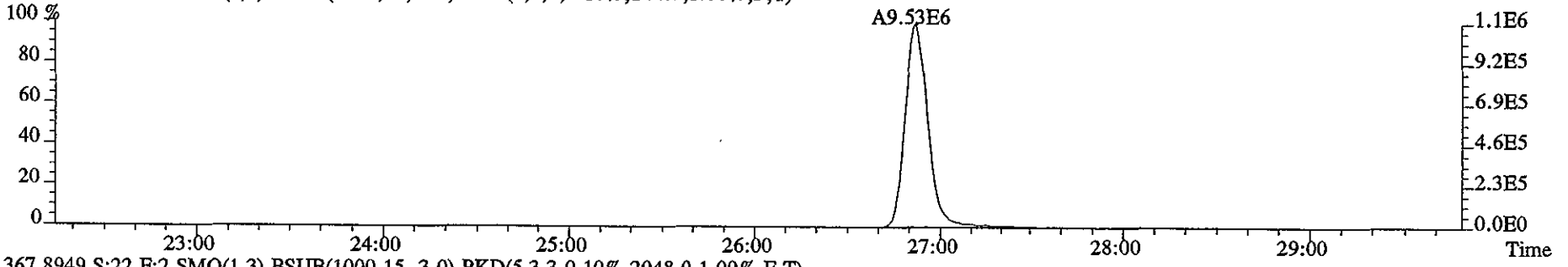
354.9792 S:22 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



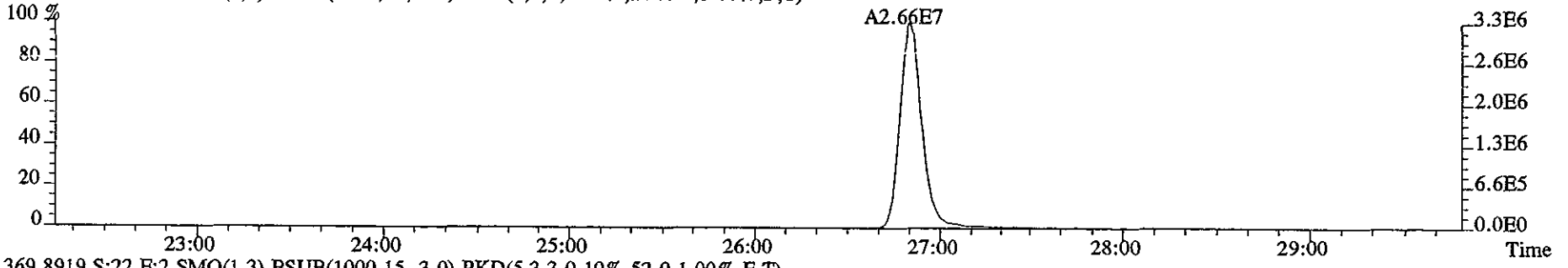
File:04MY10A4D5 #1-604 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A
355.8546 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1168.0,1.00%,F,T)



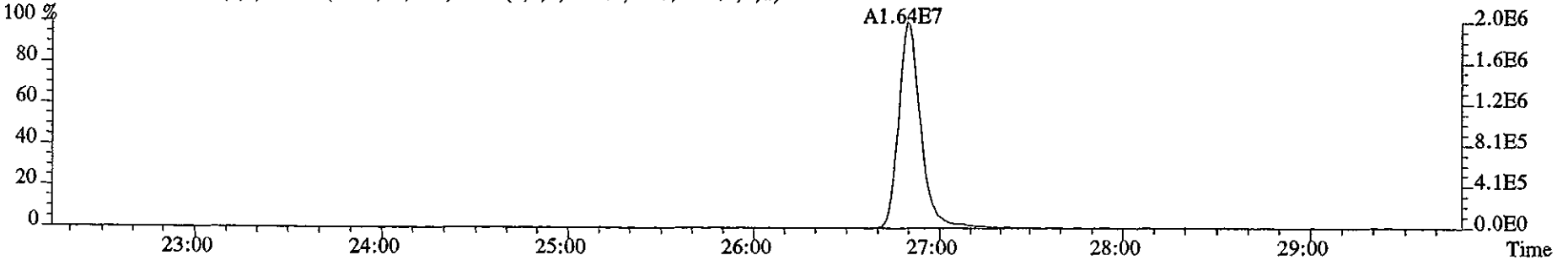
357.8516 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



367.8949 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2048.0,1.00%,F,T)

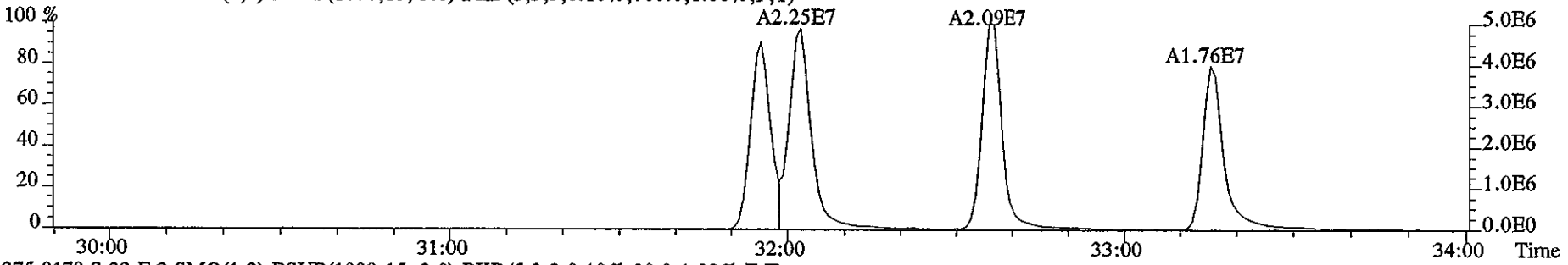


369.8919 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)

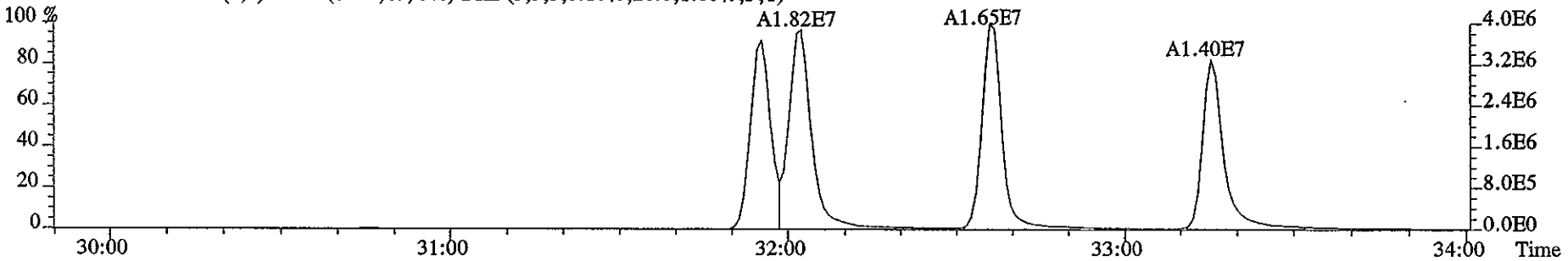


File:04MY10A4D5 #1-317 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A

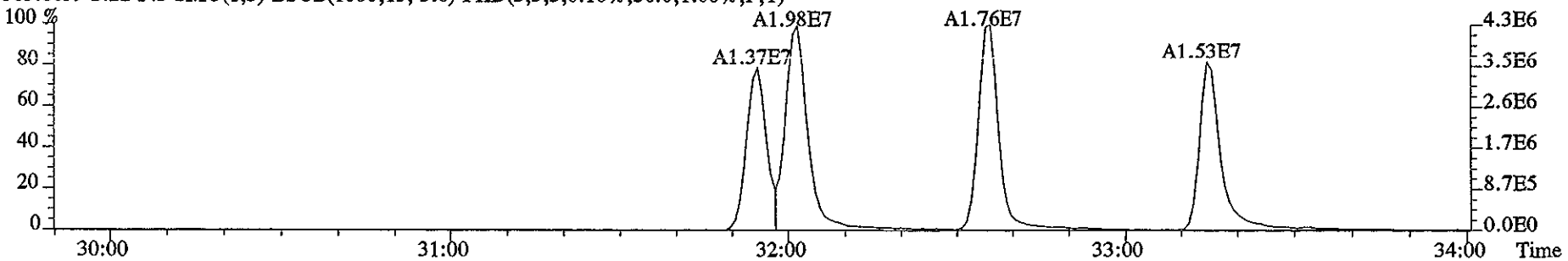
373.8208 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,700.0,1.00%,F,T)



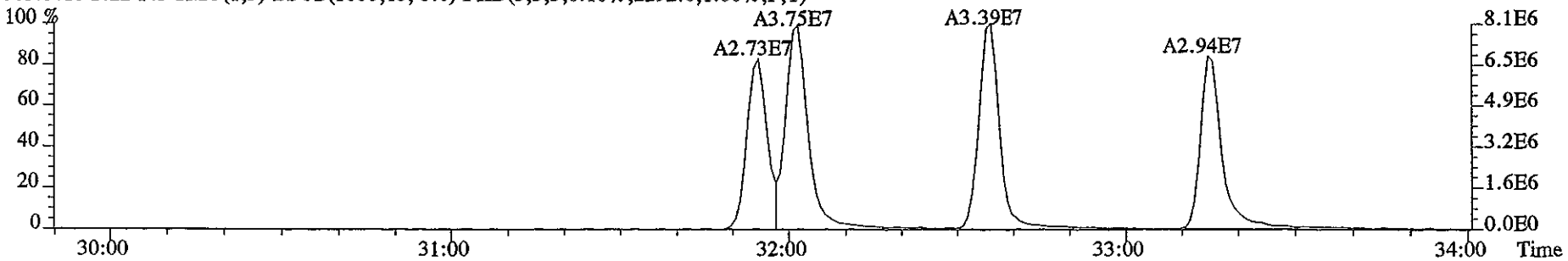
375.8178 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20.0,1.00%,F,T)



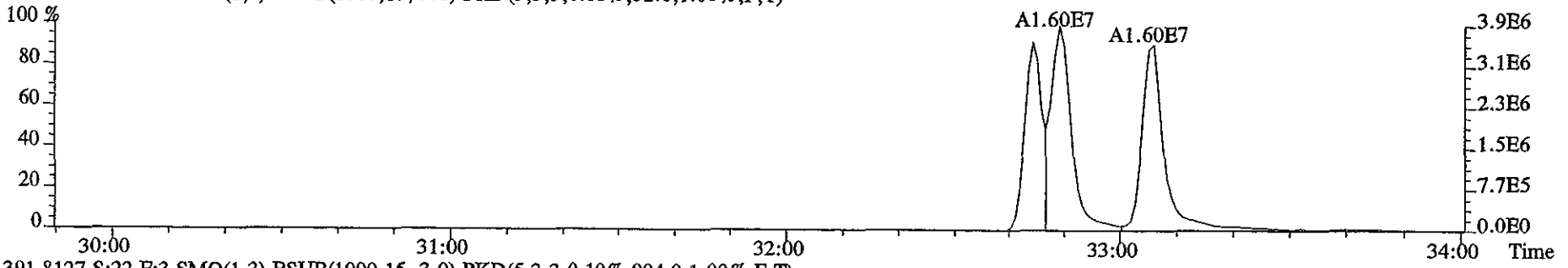
383.8639 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



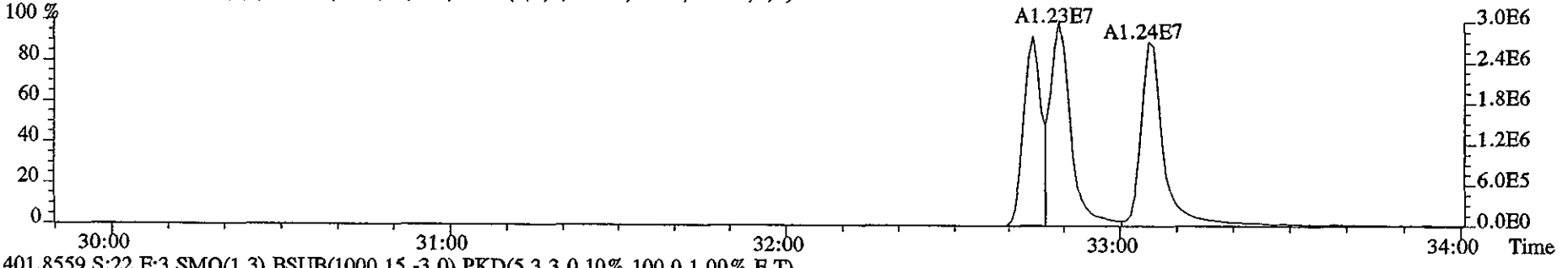
385.8610 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2292.0,1.00%,F,T)



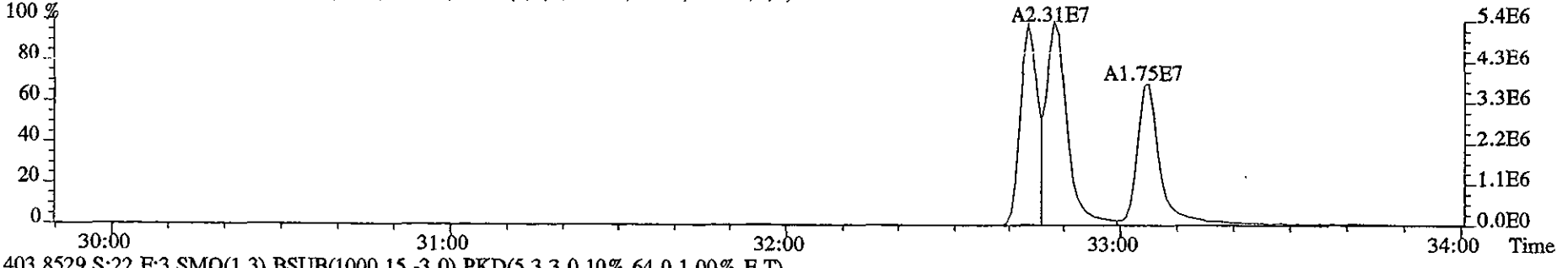
File:04MY10A4D5 #1-317 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A
389.8157 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



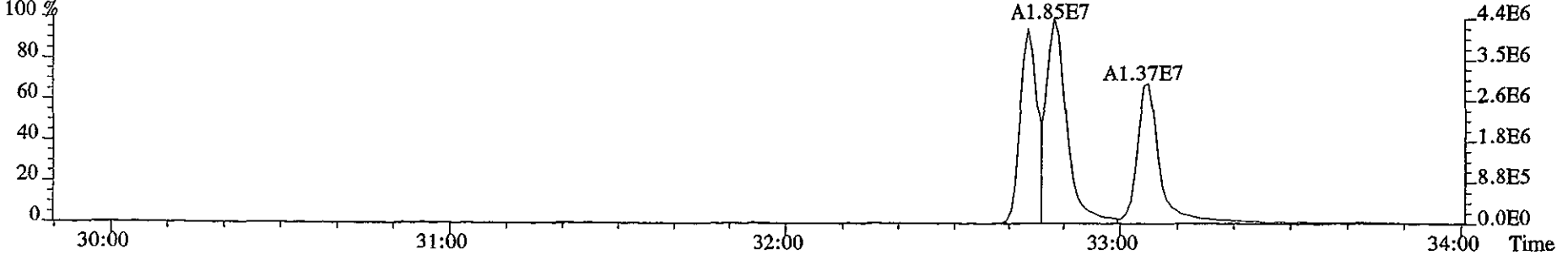
391.8127 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)



401.8559 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)

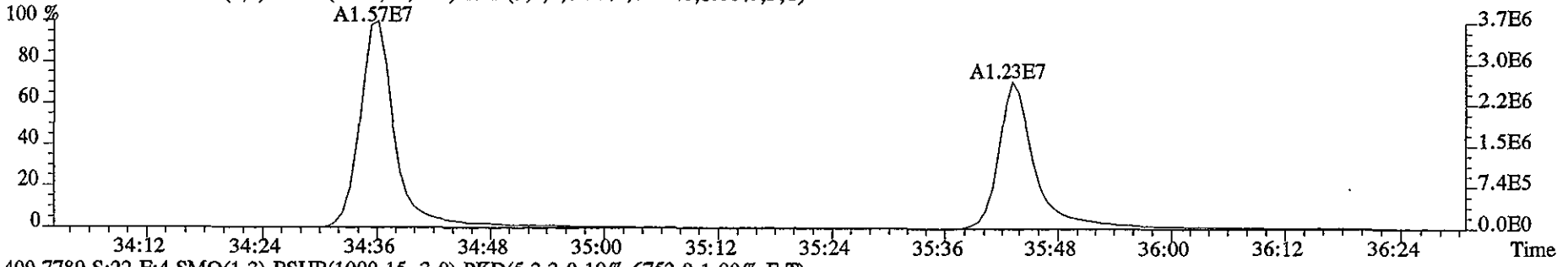


403.8529 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)

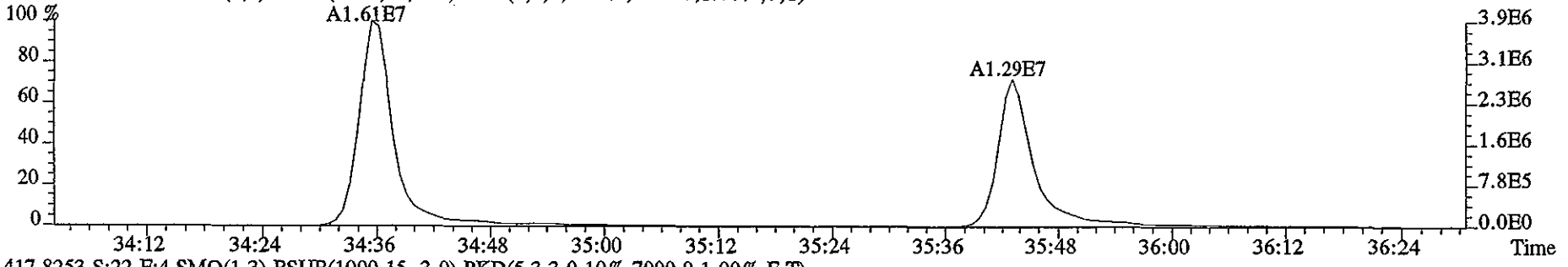


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A

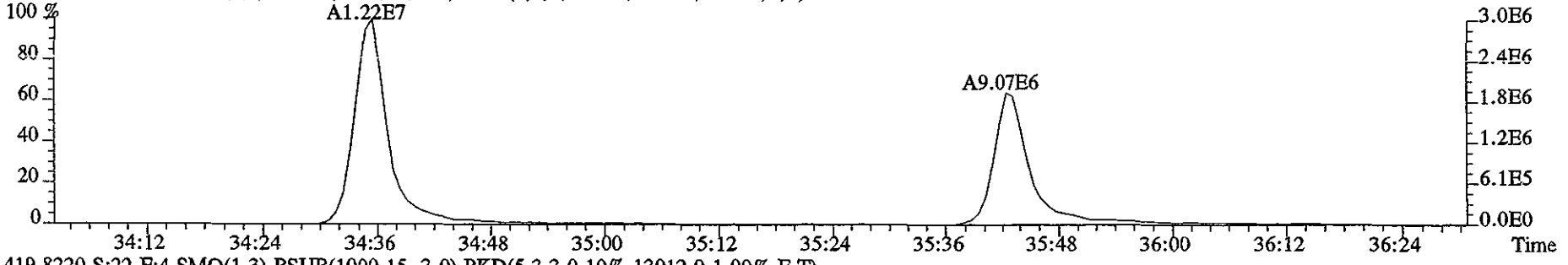
407.7818 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6356.0,1.00%,F,T)



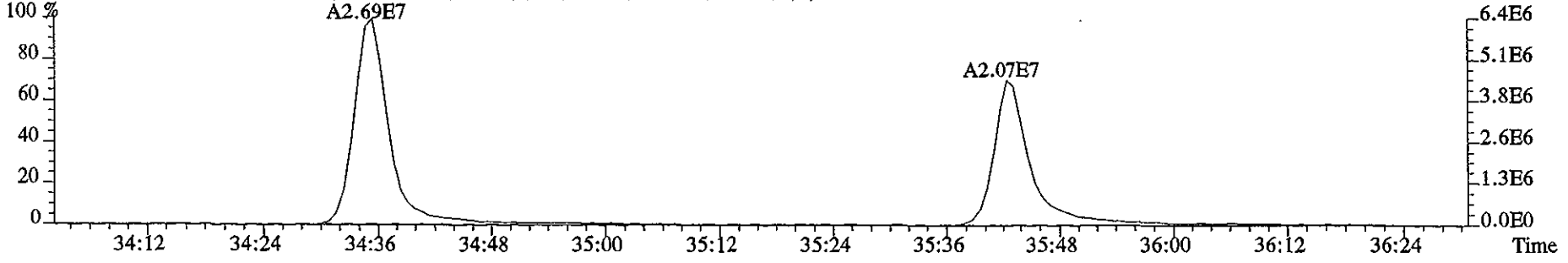
409.7789 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6752.0,1.00%,F,T)



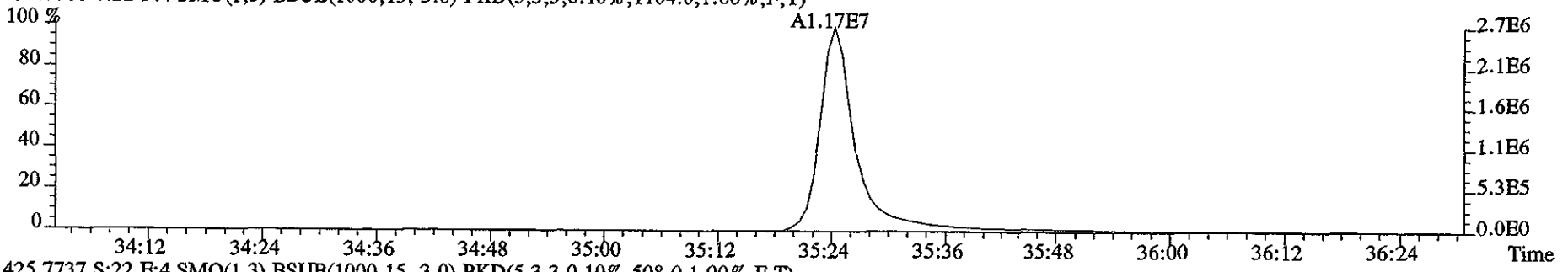
417.8253 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7900.0,1.00%,F,T)

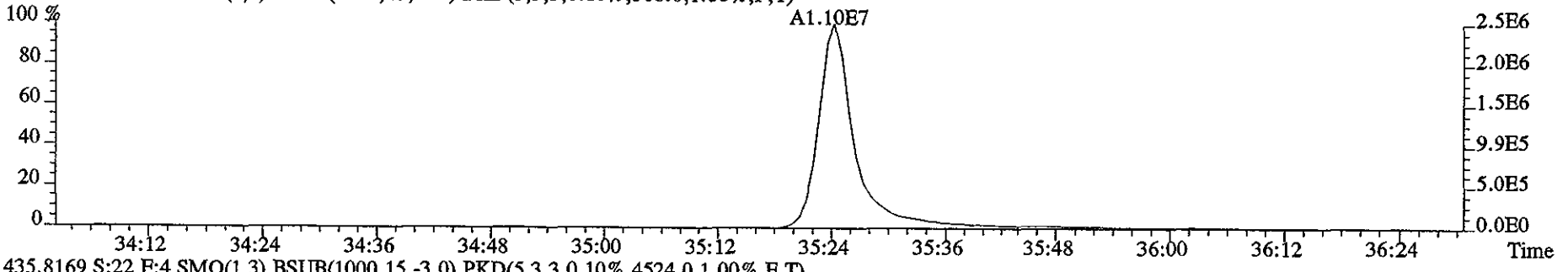


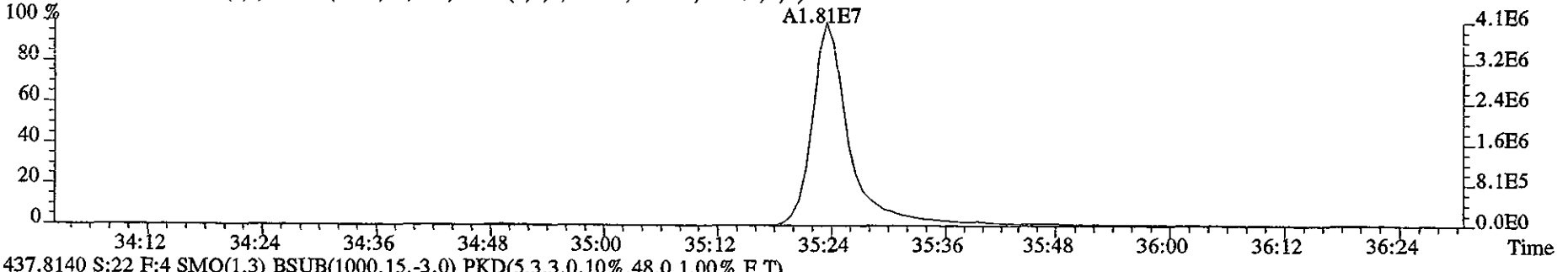
419.8220 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13912.0,1.00%,F,T)

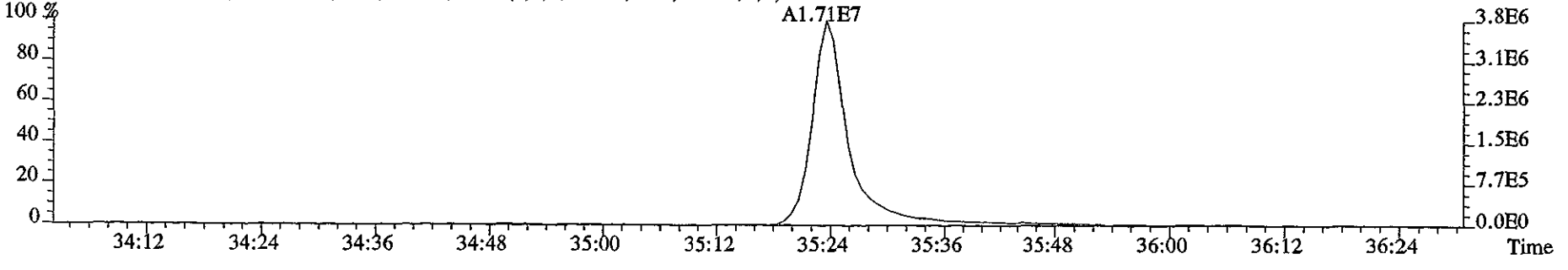


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A

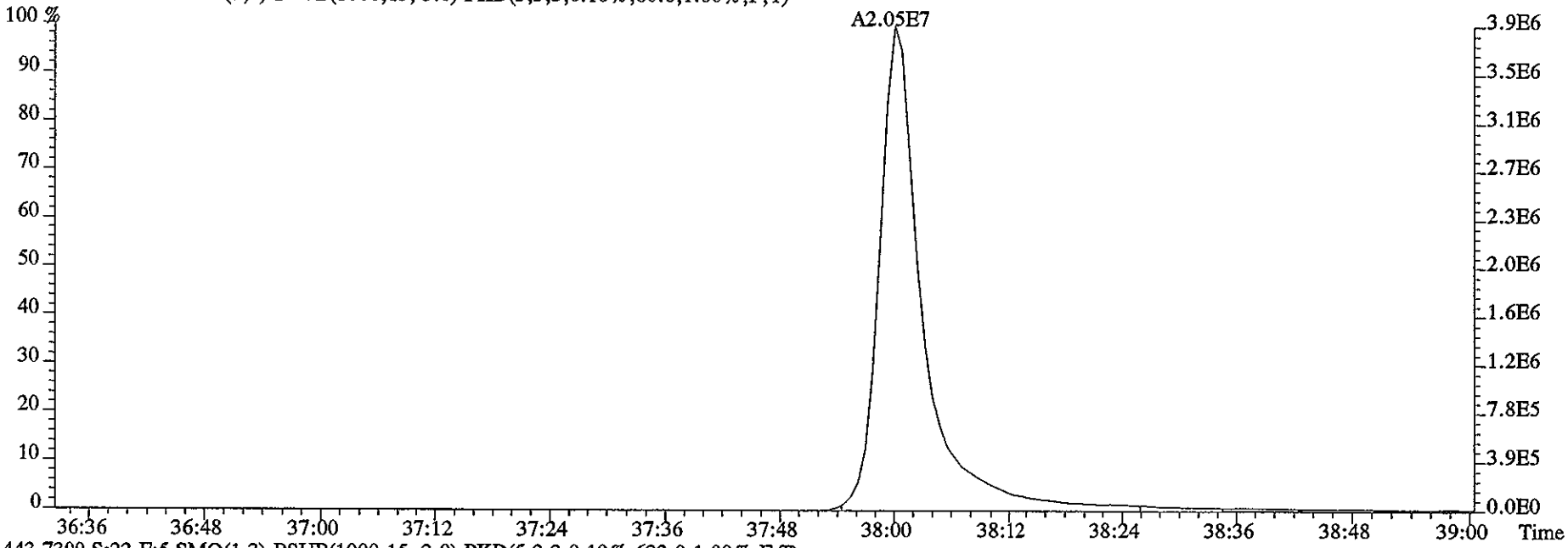




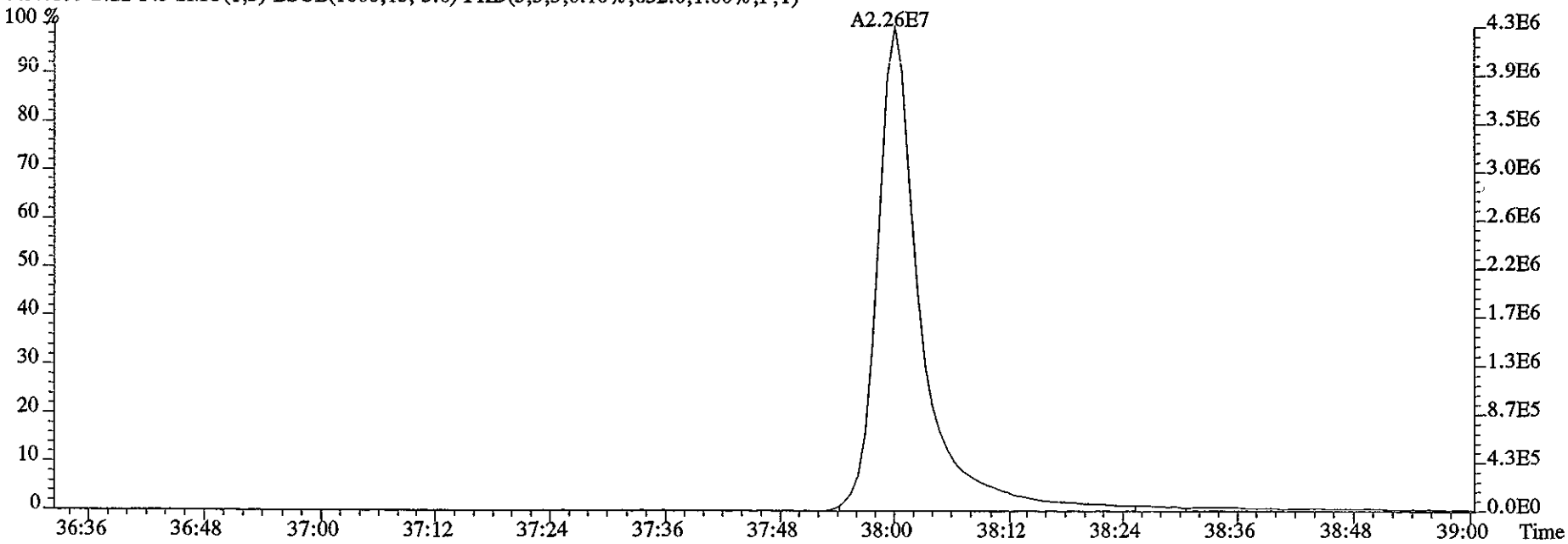




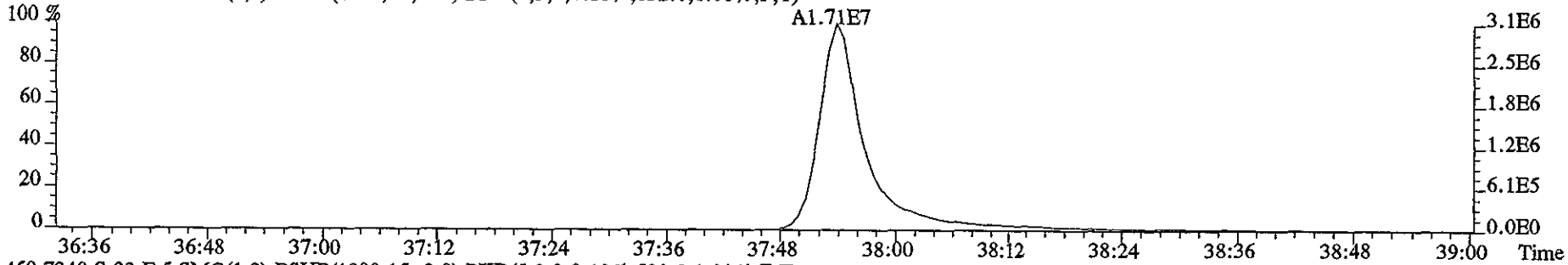
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A
441.7428 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



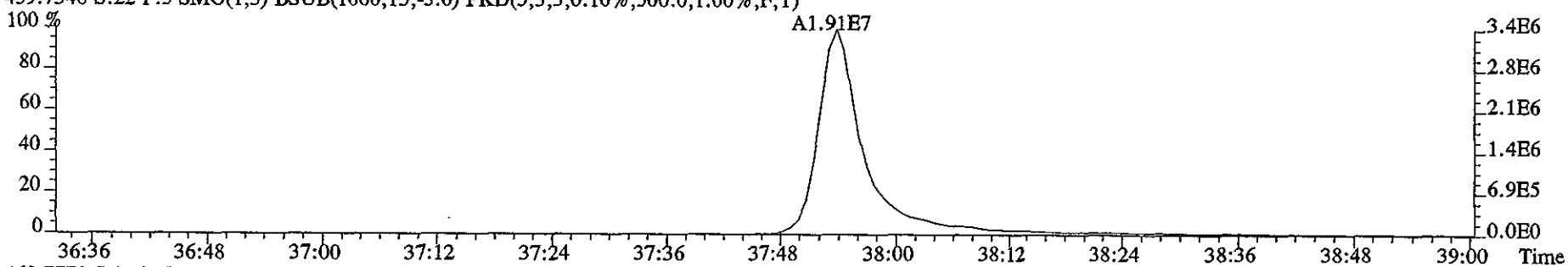
443.7399 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,632.0,1.00%,F,T)



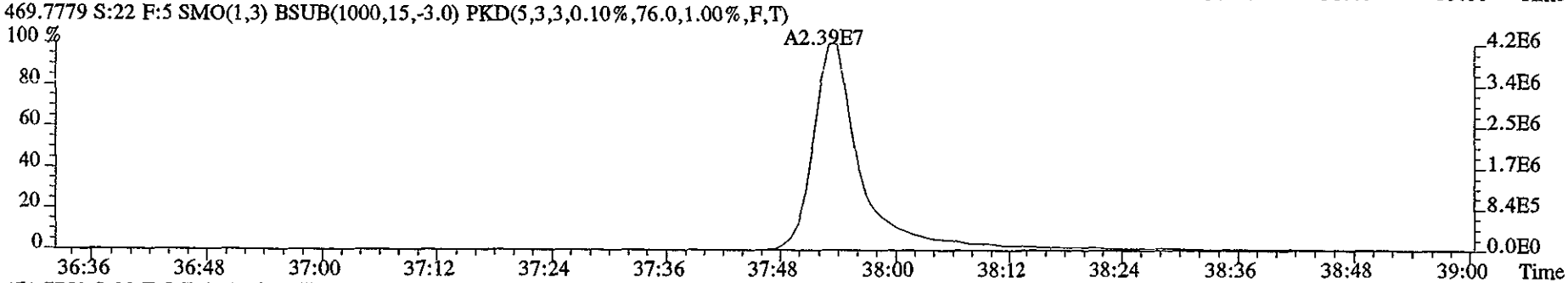
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A
457.7377 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,832.0,1.00%,F,T)



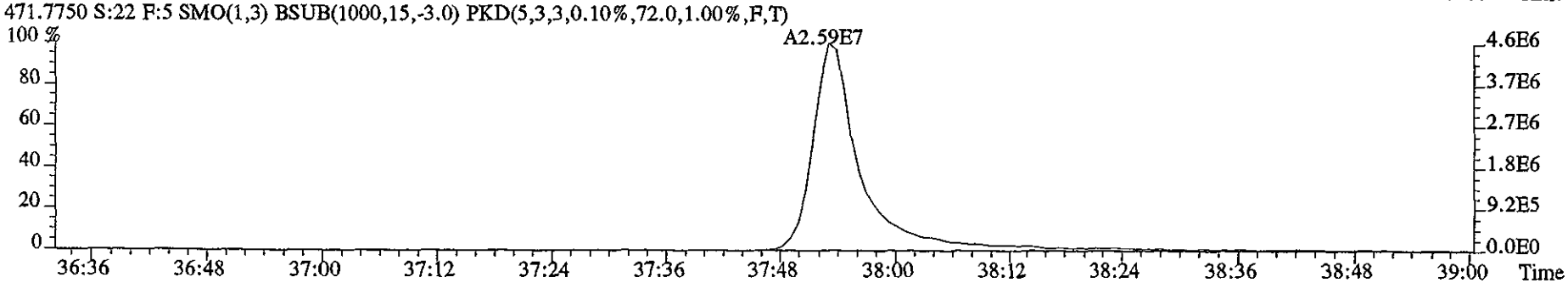
459.7348 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,500.0,1.00%,F,T)



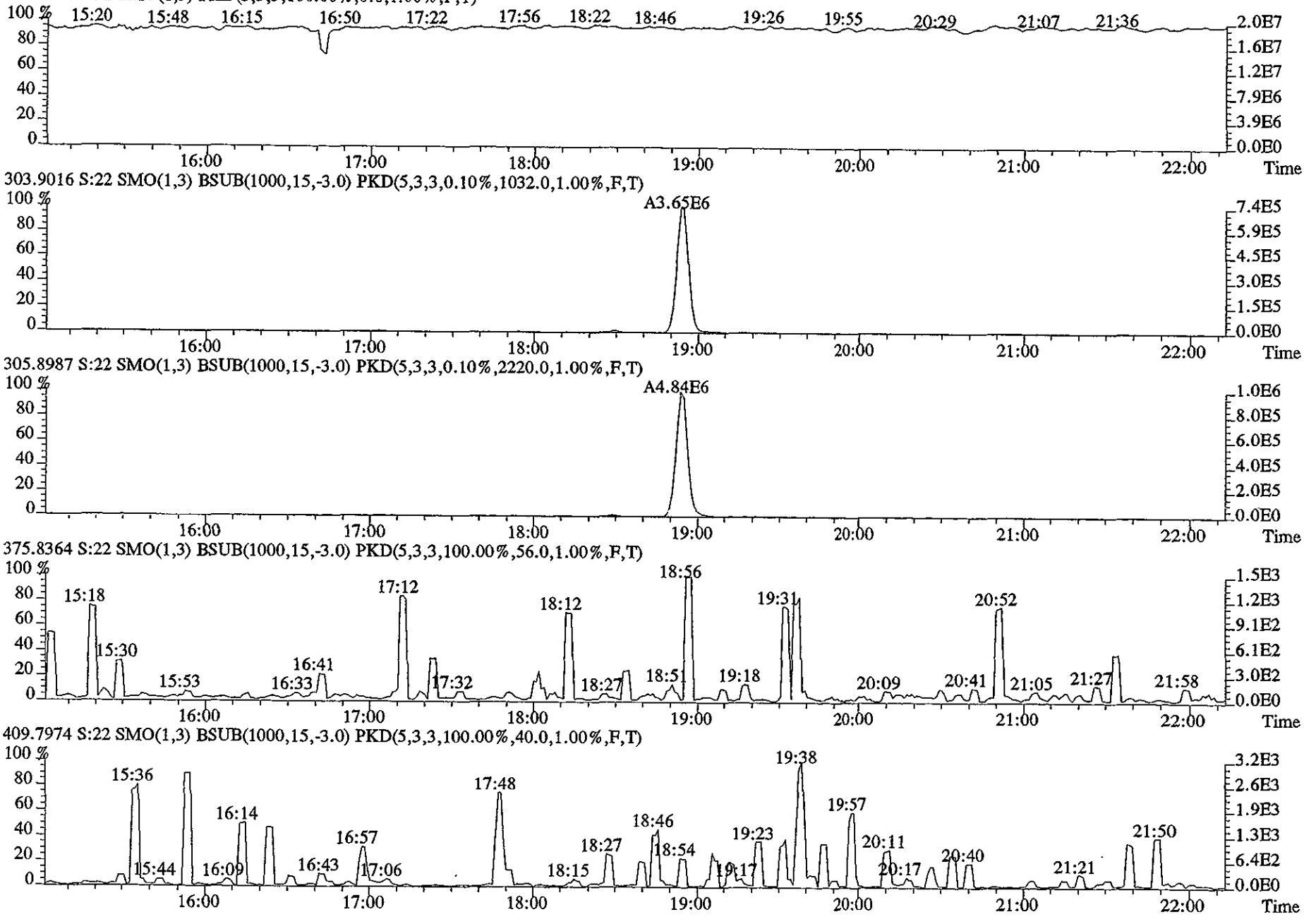
469.7779 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



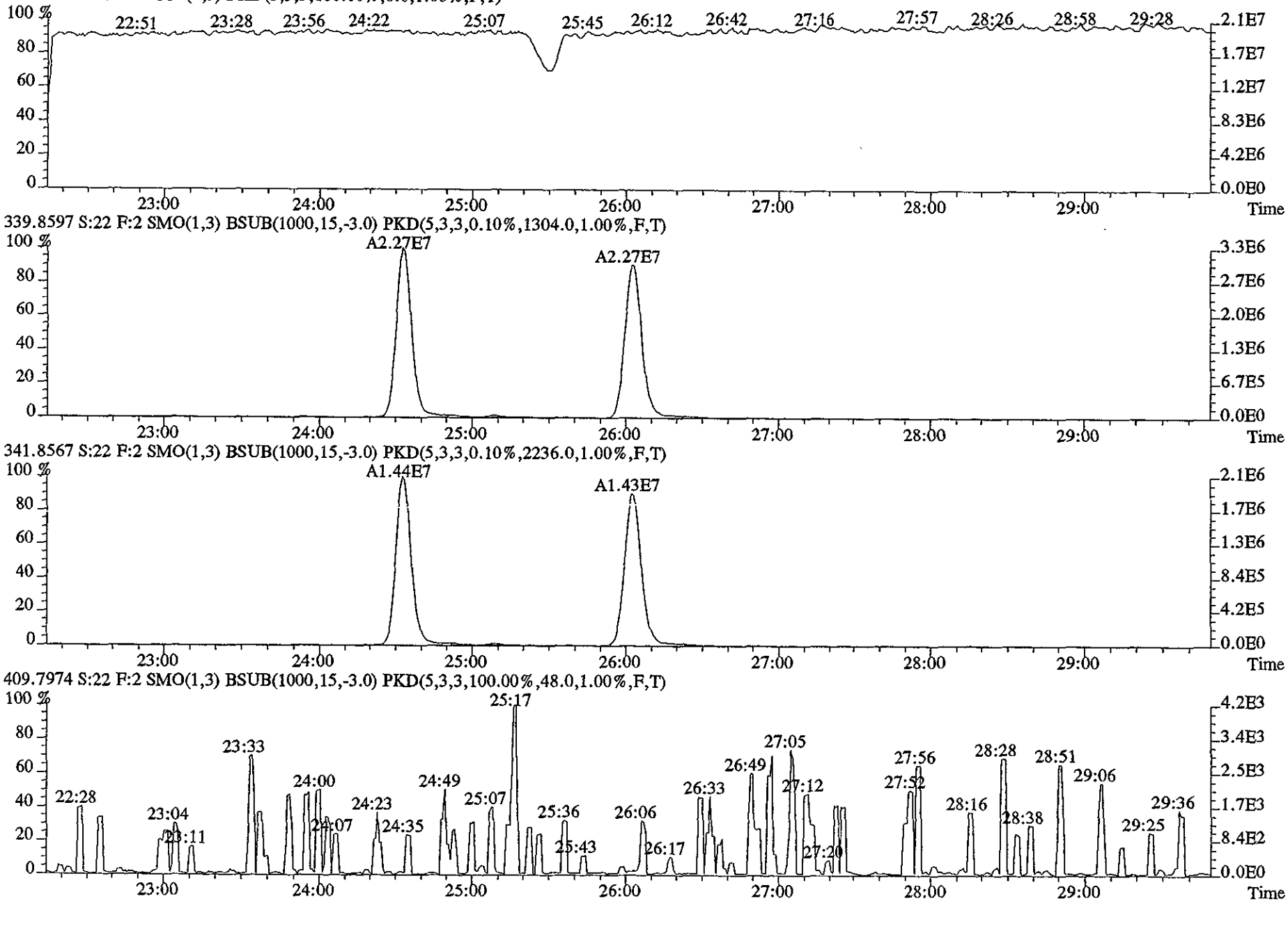
471.7750 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



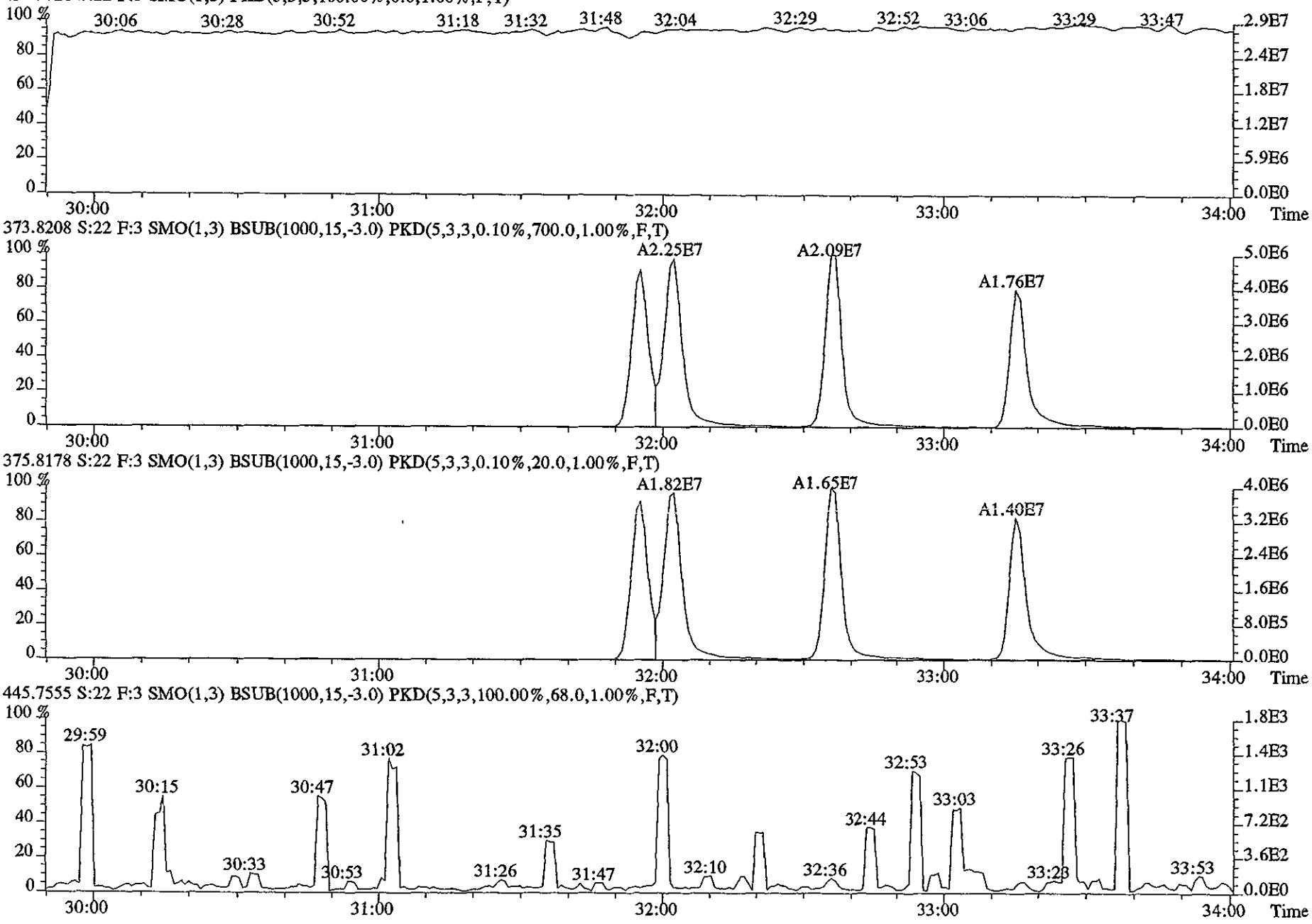
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A



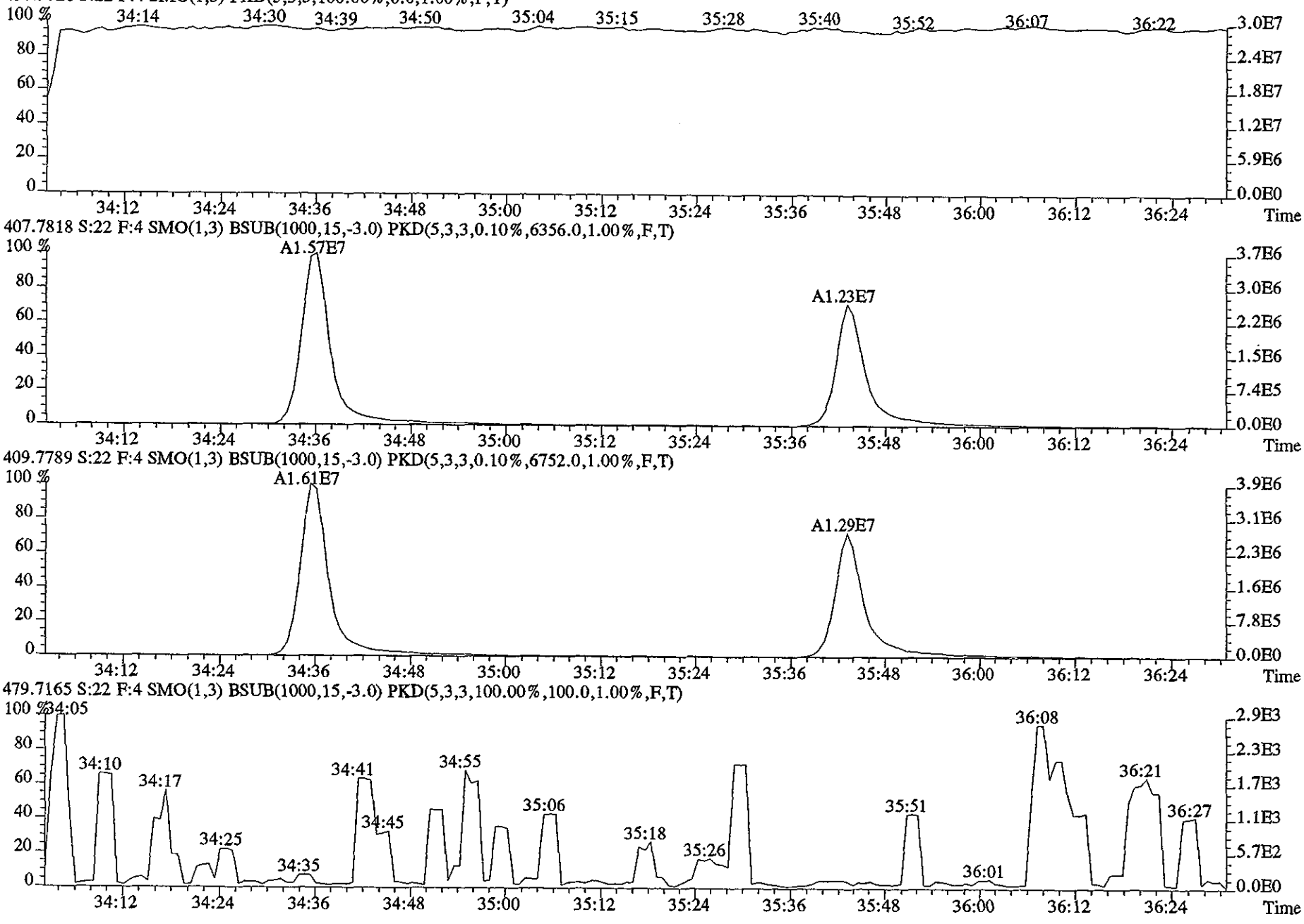
File:04MY10A4D5 #1-604 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A



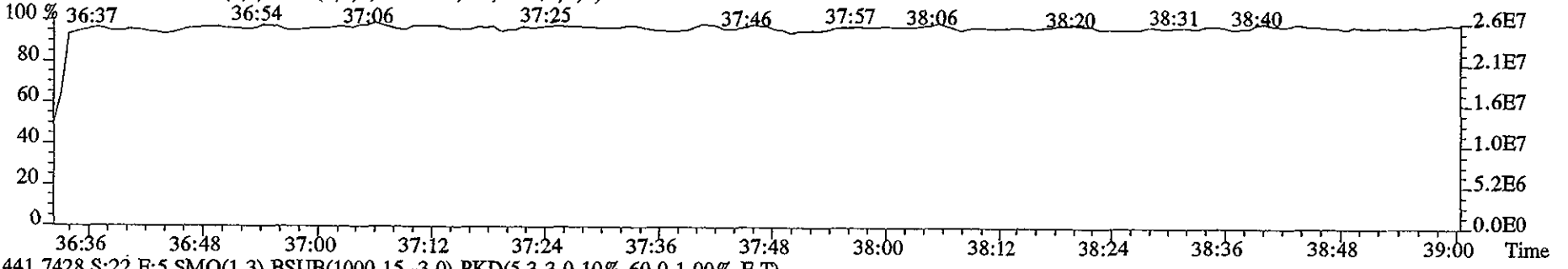
File:04MY10A4D5 #1-317 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A

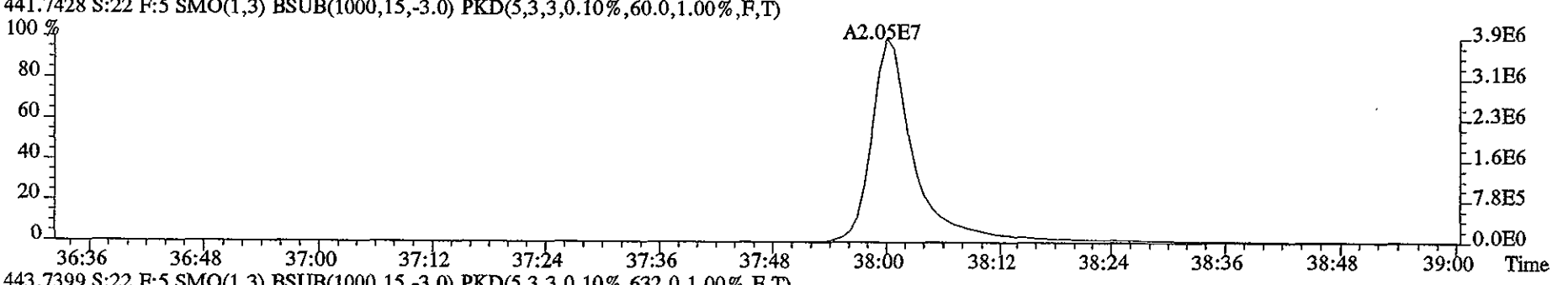


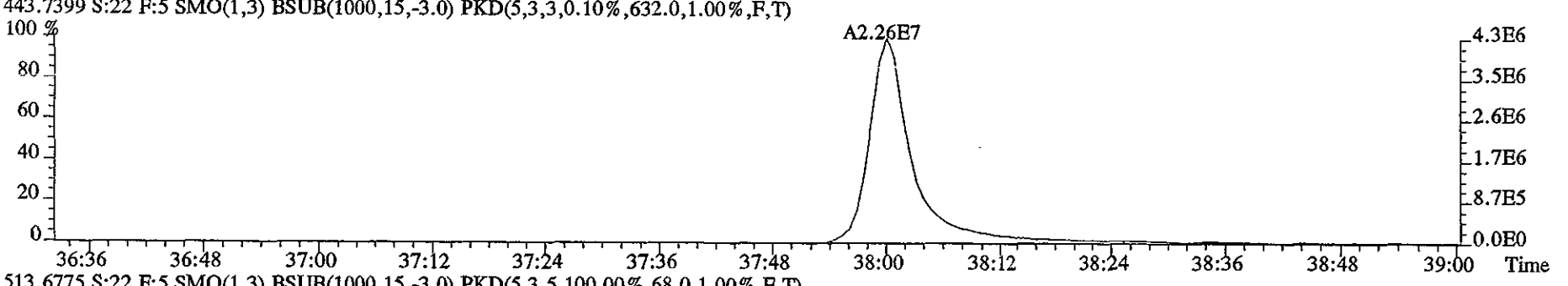
File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A

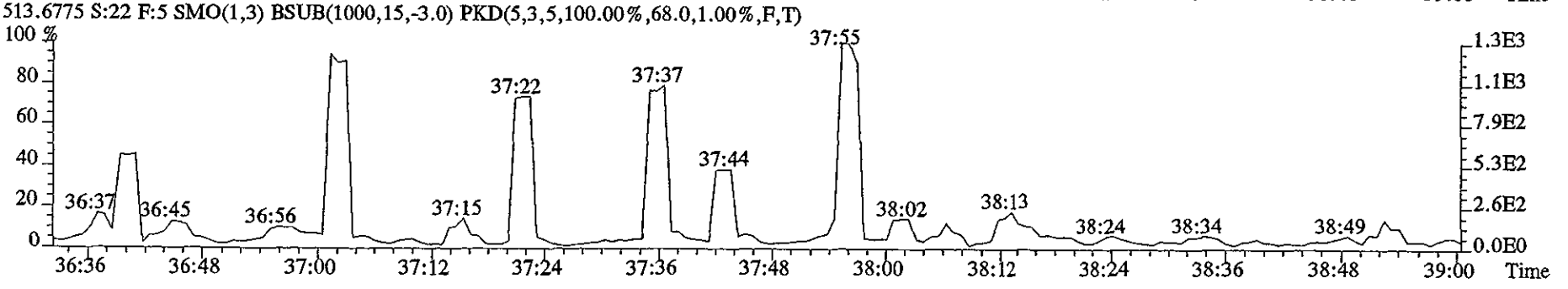


File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 14:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:L0E7V-1-AC :G0D230000-286C RI Exp:DIOXINRES8290A









05 05-17-10

Run text: LX5X6-1-AE Sample text: LX5X6-1-AE :G0D170485-15
Run #41 Filename: 07MY104D5 S: 41 I: 1 Results: 07MY104D58290AOS
Acquired: 8-MAY-10 16:08:03 Processed: 8-MAY-10 20:56:29
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.24 g

Only TCDD + HxCDDs. 5.12.10 MW

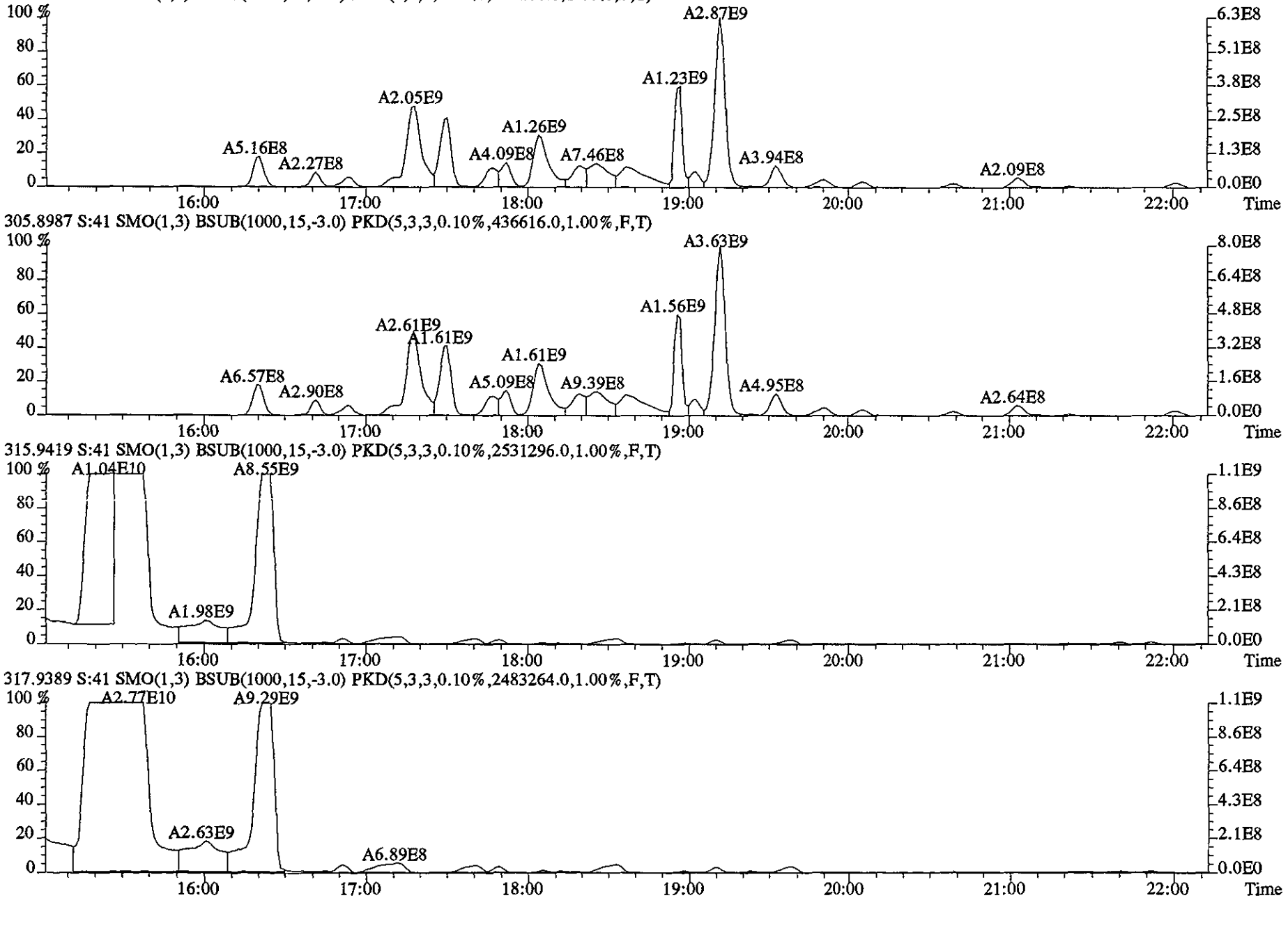
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	102690800	0.81	y	19:39	-	7.538	-	-	n
13C-2,3,7,8-TCDF	298016000	0.82	y	19:11	1.52	186.360	61.481	95.4	n
2,3,7,8-TCDF	6499440000	0.79	y	19:12	0.95	4505.978	8.587	-	n
Total TCDF	31383544550	0.81	y	15:52	0.95	21757.809	8.587	-	n
13C-2,3,7,8-TCDD	178218000	0.79	y	19:51	0.95	178.459	0.688	91.4 /	n
2,3,7,8-TCDD	100668300	0.86	y	19:52	1.02	108.053 /	2.973 G	-	y
Total TCDD	1999967458	3.85	n	15:37	1.02	~~2146.682~~	~~2.973~~	-	y
37Cl-2,3,7,8-TCDD	194631600	1.00	y	19:52	2.26	81.851	4.360	104.8	n
13C-1,2,3,7,8-PeCDF	274294000	1.50	y	24:39	1.05	248.348	9.368	127.2	n
1,2,3,7,8-PeCDF	4630800000	1.53	y	24:41	1.04	3156.126	62.373	-	n
2,3,4,7,8-PeCDF	2191916000	1.55	y	26:19	0.98	1589.132	66.349	-	n
Total F2 PeCDF	26308899000	1.53	y	22:53	1.01	18436.305	64.300	-	n
Total F1 PeCDF	1919797000	0.86	n	17:46	1.01	1348.855	0.316	-	n
13C-1,2,3,7,8-PeCDD	139376500	1.53	y	26:57	0.67	197.688	0.426	101.2	n
1,2,3,7,8-PeCDD	241695800	1.58	y	26:59	0.98	344.931	7.088	-	n
Total PeCDD	1941936504	1.02	n	23:18	0.98	2771.390	7.088	-	n
13C-1,2,3,7,8,9-HxCDD	105892800	1.27	y	33:07	-	10.064	-	-	n
13C-1,2,3,4,7,8-HxCDF	110808700	0.55	y	31:55	1.02	99.711	30.528	51.1	n
1,2,3,4,7,8-HxCDF	7127940000	1.23	y	31:56	1.21	10360.865	47.273	-	n
1,2,3,6,7,8-HxCDF	4895240000	1.29	y	32:03	1.34	6425.732	42.690	-	n
2,3,4,6,7,8-HxCDF	2855500000	1.23	y	32:33	1.22	4117.843	46.900	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	1.09	*	52.472	-	n
Total HxCDF	29705072000	1.21	y	30:33	1.22	42368.393	47.082	-	n
13C-1,2,3,6,7,8-HxCDD	106911300	1.27	y	32:49	0.81	122.165	0.613	62.5 /	y
1,2,3,4,7,8-HxCDD	118176000	1.29	y	32:47	1.01	214.443 /	3.029 G	-	y
1,2,3,6,7,8-HxCDD	325839000	1.21	y	32:50	1.11	534.390 /	2.737 G	-	y
1,2,3,7,8,9-HxCDD	344831000	1.30	y	33:07	1.21	521.046 /	2.522 G	-	n
Total HxCDD	1937800526	0.56	n	30:14	1.11	~~3161.029~~	~~2.747~~	-	y
13C-1,2,3,4,6,7,8-HpCDF	85851500	0.48	y	34:36	0.86	91.786	4.934	47.0	n
1,2,3,4,6,7,8-HpCDF	10047220000	1.00	y	34:37	1.31	17452.725	52.846	-	n
1,2,3,4,7,8,9-HpCDF	4977990000	1.00	y	35:45	1.03	11041.896	67.481	-	n
Total HpCDF	21812230000	1.00	y	34:37	1.17	41718.113	59.273	-	n
13C-1,2,3,4,6,7,8-HpCDD	82523100	1.07	y	35:27	0.70	109.111	1.090	55.9	n
1,2,3,4,6,7,8-HpCDD	778571000	1.03	y	35:27	1.07	1719.164	16.526	-	n
Total HpCDD	1102867351	0.13	n	34:29	1.07	2435.243	16.526	-	n
13C-OCDD	86682200	0.93	y	37:55	0.53	150.436	2.129	38.5	n
OCDF	15757970000	0.94	y	38:02	1.45	49131.055	2.009	-	n

OCDD	485983000	0.94	y	37:56	1.17	1877.843	8.285	-	n

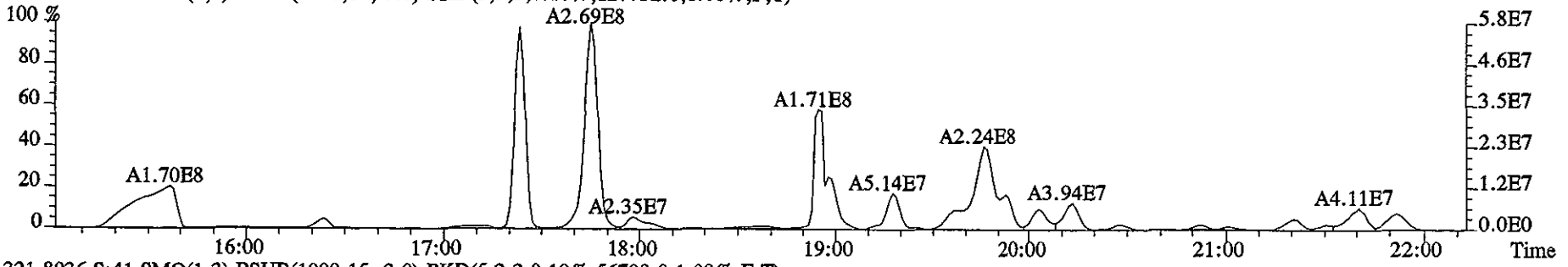
Run text: LX5X6-1-AE Sample text: LX5X6-1-AE :G0D170485-15
Run #41 Filename: 07MY104D5 S: 41 I: 1 Results: 07MY104D58290A
Acquired: 8-MAY-10 16:08:03 Processed: 8-MAY-10 20:56:29
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.24 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	102690800	0.81	y	19:39	-	7.538	-	-	n
13C-2,3,7,8-TCDF	298016000	0.82	y	19:11	1.52	186.360	61.481	95.4	n
2,3,7,8-TCDF	6499440000	0.79	y	19:12	0.95	4505.978	8.587	-	n
Total TCDF	31383544550	0.81	y	15:52	0.95	21757.809	8.587	-	n
13C-2,3,7,8-TCDD	178218000	0.79	y	19:51	0.95	178.459	0.688	91.4	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.02	*	2.973	-	n
Total TCDD	2289717299	3.85	n	15:37	1.02	2457.688	2.973	-	n
37Cl-2,3,7,8-TCDD	194631600	1.00	y	19:52	2.26	81.851	4.360	104.8	n
13C-1,2,3,7,8-PeCDF	274294000	1.50	y	24:39	1.05	248.348	9.368	127.2	n
1,2,3,7,8-PeCDF	4630800000	1.53	y	24:41	1.04	3156.126	62.373	-	n
2,3,4,7,8-PeCDF	2191916000	1.55	y	26:19	0.98	1589.132	66.349	-	n
Total F2 PeCDF	26308899000	1.53	y	22:53	1.01	18436.305	64.300	-	n
Total F1 PeCDF	1919797000	0.86	n	17:46	1.01	1348.855	0.316	-	n
13C-1,2,3,7,8-PeCDD	139376500	1.53	y	26:57	0.67	197.688	0.426	101.2	n
1,2,3,7,8-PeCDD	241695800	1.58	y	26:59	0.98	344.931	7.088	-	n
Total PeCDD	1941936504	1.02	n	23:18	0.98	2771.390	7.088	-	n
13C-1,2,3,7,8,9-HxCDD	105892200	1.27	y	33:07	-	10.064	-	-	n
13C-1,2,3,4,7,8-HxCDF	110808700	0.55	y	31:55	1.02	99.711	30.527	51.1	n
1,2,3,4,7,8-HxCDF	7127940000	1.23	y	31:56	1.21	10360.865	47.273	-	n
1,2,3,6,7,8-HxCDF	4895240000	1.29	y	32:03	1.34	6425.732	42.690	-	n
2,3,4,6,7,8-HxCDF	2855500000	1.23	y	32:33	1.22	4117.843	46.900	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	1.09	*	52.472	-	n
Total HxCDF	29705072000	1.21	y	30:33	1.22	42368.393	47.082	-	n
13C-1,2,3,6,7,8-HxCDD	195391500	1.28	y	32:49	0.81	223.271	0.613	114.3	n
1,2,3,4,7,8-HxCDD	438667000	1.24	y	32:50	1.01	435.548	3.030	-	n
1,2,3,6,7,8-HxCDD	438667000	1.24	y	32:50	1.11	393.648	2.738	-	n
1,2,3,7,8,9-HxCDD	344831000	1.30	y	33:07	1.21	285.098	2.523	-	n
Total HxCDD	1932452636	0.56	n	30:14	1.11	1713.516	2.748	-	n
13C-1,2,3,4,6,7,8-HpCDF	85851500	0.48	y	34:36	0.86	91.787	4.934	47.0	n
1,2,3,4,6,7,8-HpCDF	10047220000	1.00	y	34:37	1.31	17452.725	52.846	-	n
1,2,3,4,7,8,9-HpCDF	4977990000	1.00	y	35:45	1.03	11041.896	67.481	-	n
Total HpCDF	21812230000	1.00	y	34:37	1.17	41718.113	59.273	-	n
13C-1,2,3,4,6,7,8-HpCDD	82523100	1.07	y	35:27	0.70	109.112	1.090	55.9	n
1,2,3,4,6,7,8-HpCDD	778571000	1.03	y	35:27	1.07	1719.164	16.526	-	n
Total HpCDD	1102867351	0.13	n	34:29	1.07	2435.243	16.526	-	n
13C-OCDD	86682200	0.93	y	37:55	0.53	150.437	2.129	38.5	n
OCDF	15757970000	0.94	y	38:02	1.45	49131.055	2.009	-	n
OCDD	485983000	0.94	y	37:56	1.17	1877.843	8.285	-	n

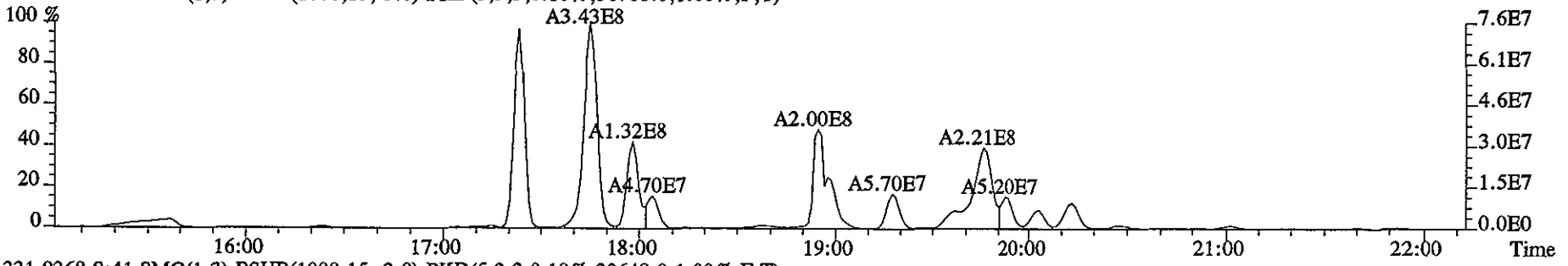
File:07MY104D5 #1-434 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A



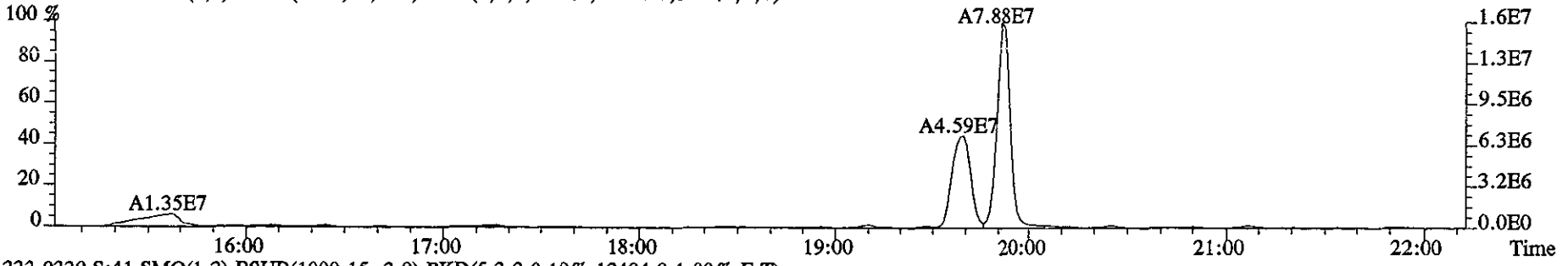
File:07MY104D5 #1-434 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A
319.8965 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,127752.0,1.00%,F,T)



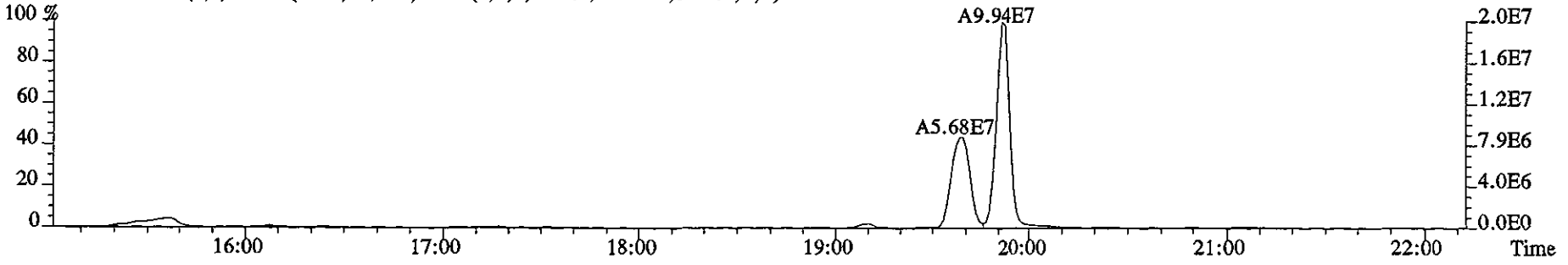
321.8936 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56708.0,1.00%,F,T)



331.9368 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22648.0,1.00%,F,T)

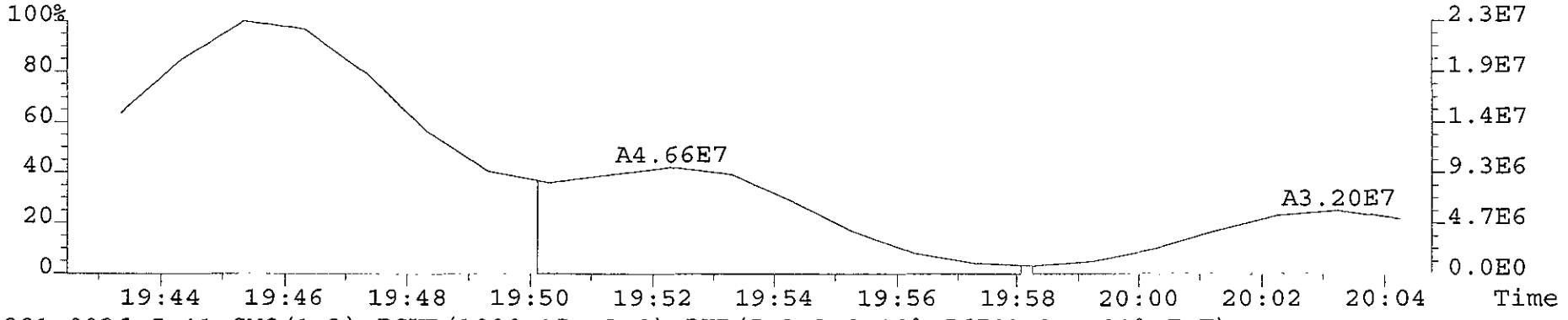


333.9339 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12404.0,1.00%,F,T)

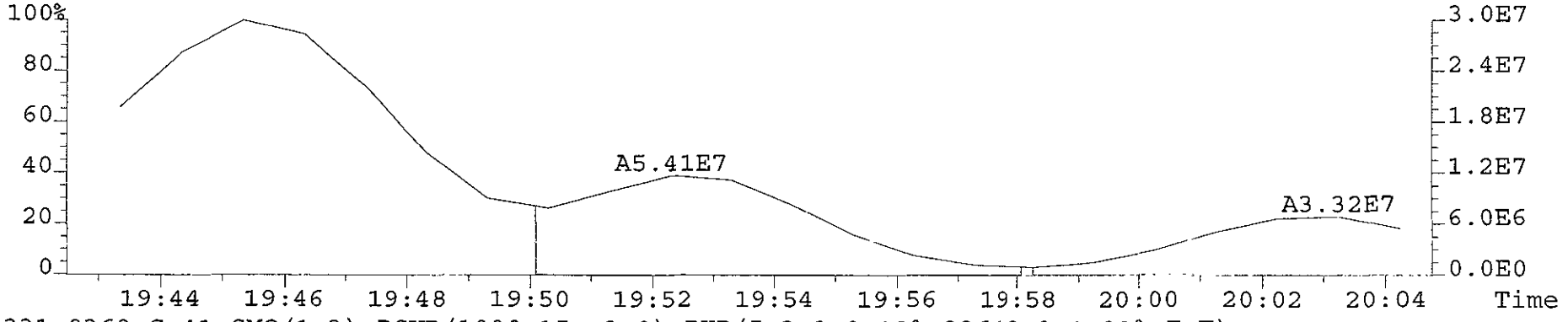


File:07MY104D5 #1-434 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

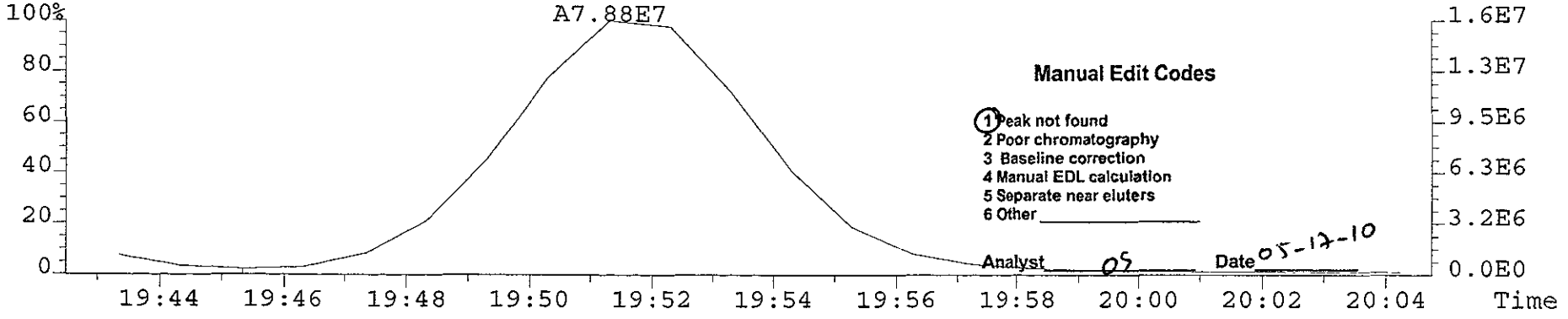
319.8965 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,127752.0,1.00%,F,T)



321.8936 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56708.0,1.00%,F,T)



331.9368 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22648.0,1.00%,F,T)

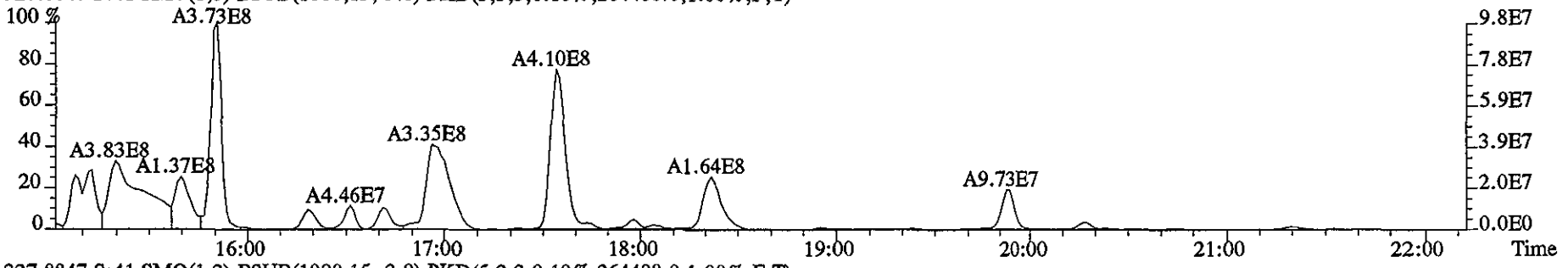


Manual Edit Codes

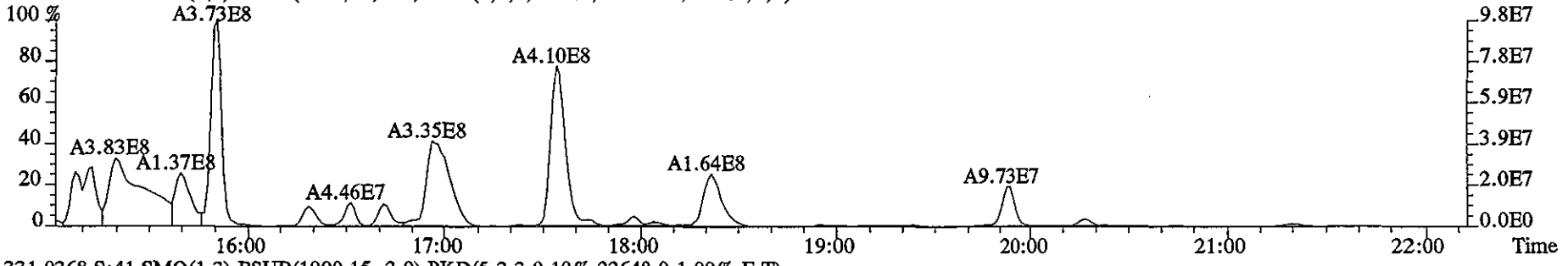
(1) Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst 05 Date 05-17-10

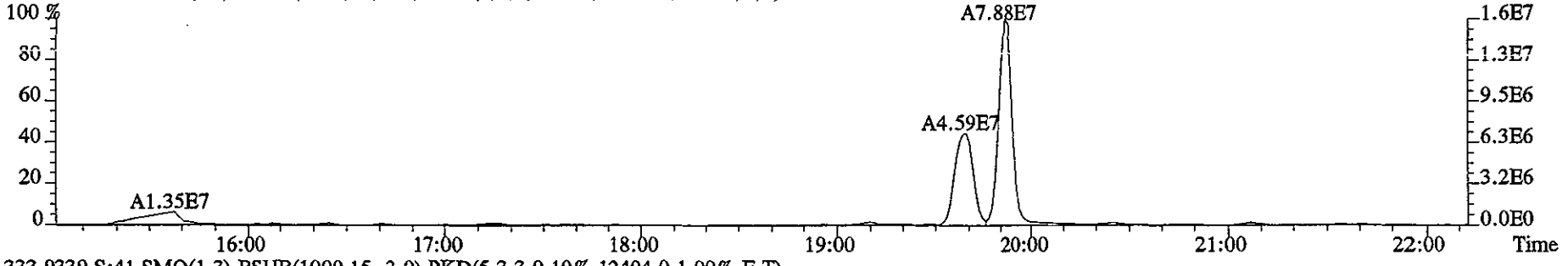
File:07MY104D5 #1-434 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A
327.8847 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,264408.0,1.00%,F,T)



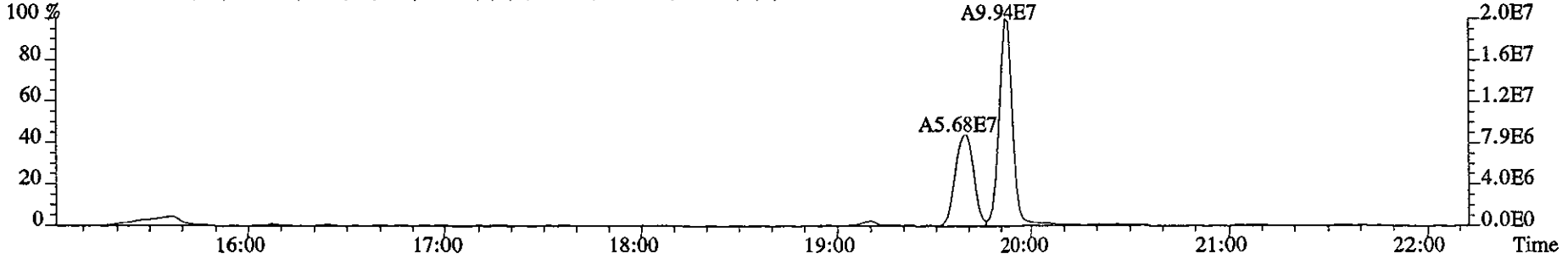
327.8847 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,264408.0,1.00%,F,T)



331.9368 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22648.0,1.00%,F,T)

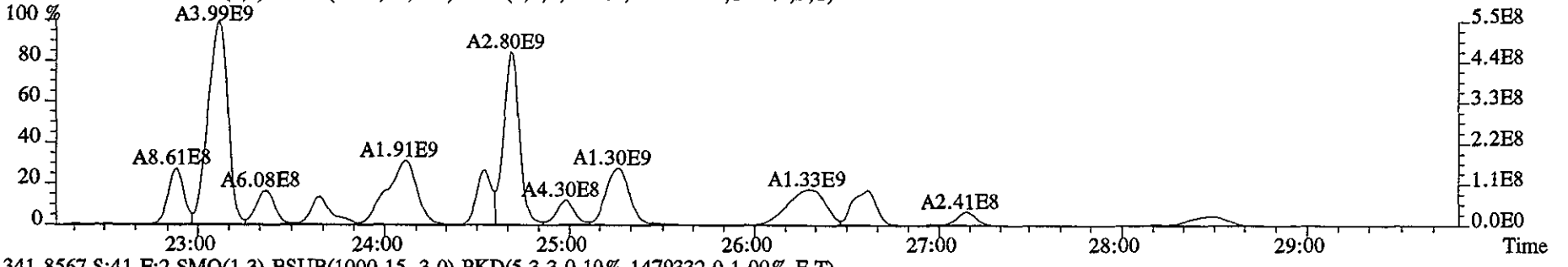


333.9339 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12404.0,1.00%,F,T)

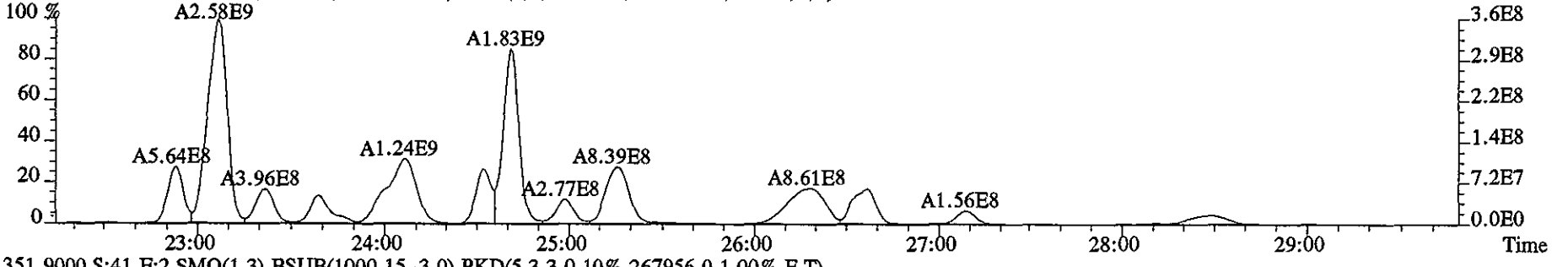


File:07MY104D5 #1-604 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

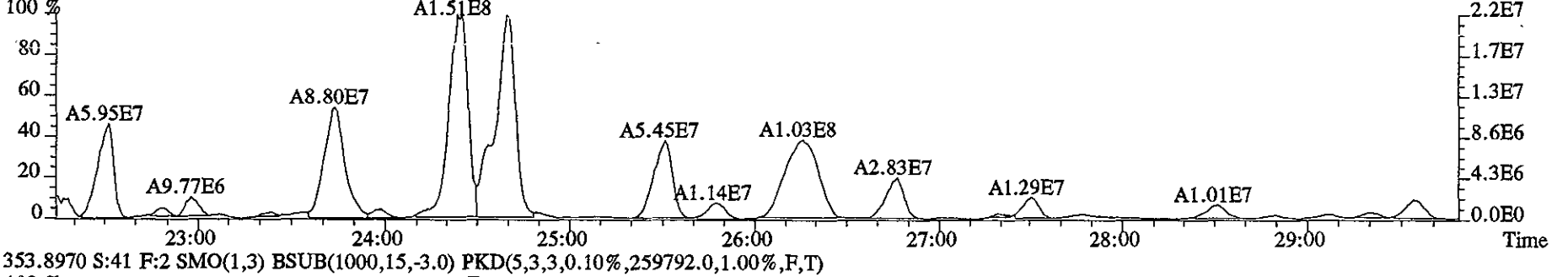
339.8597 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360560.0,1.00%,F,T)



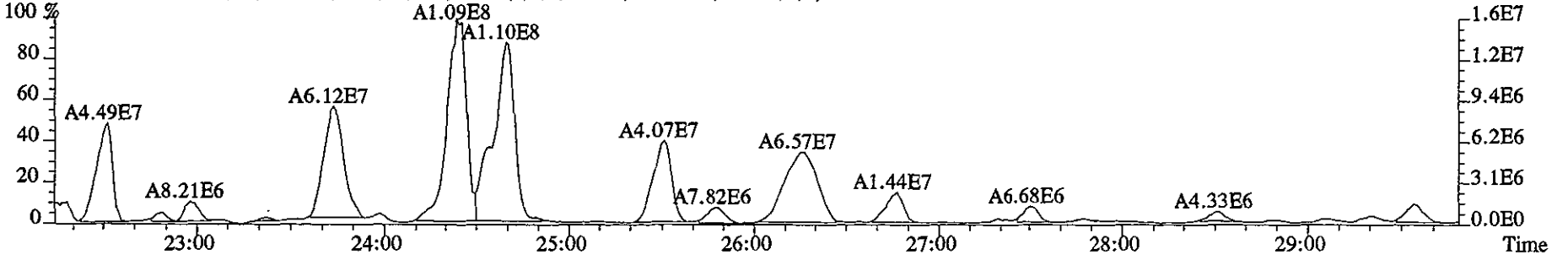
341.8567 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1479332.0,1.00%,F,T)



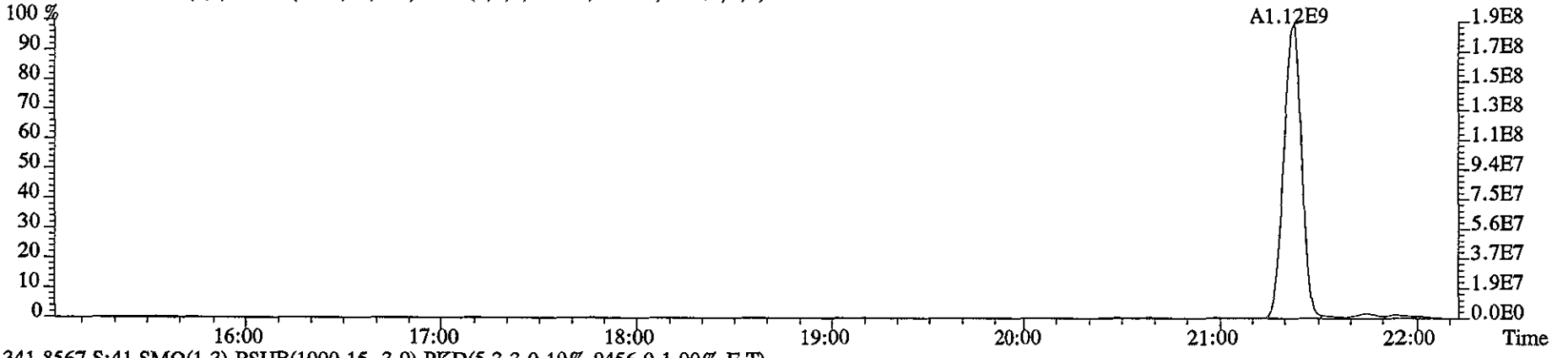
351.9000 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,267956.0,1.00%,F,T)



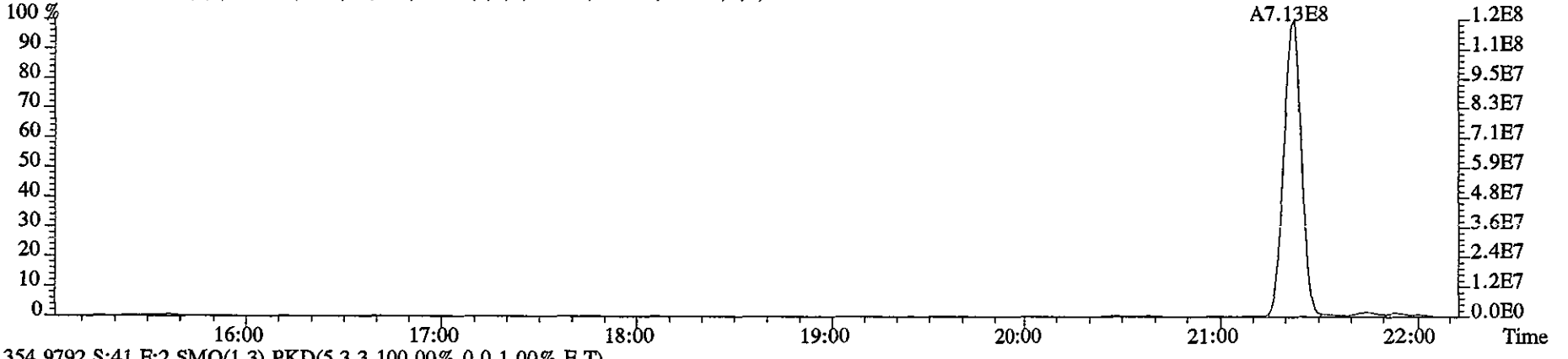
353.8970 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,259792.0,1.00%,F,T)



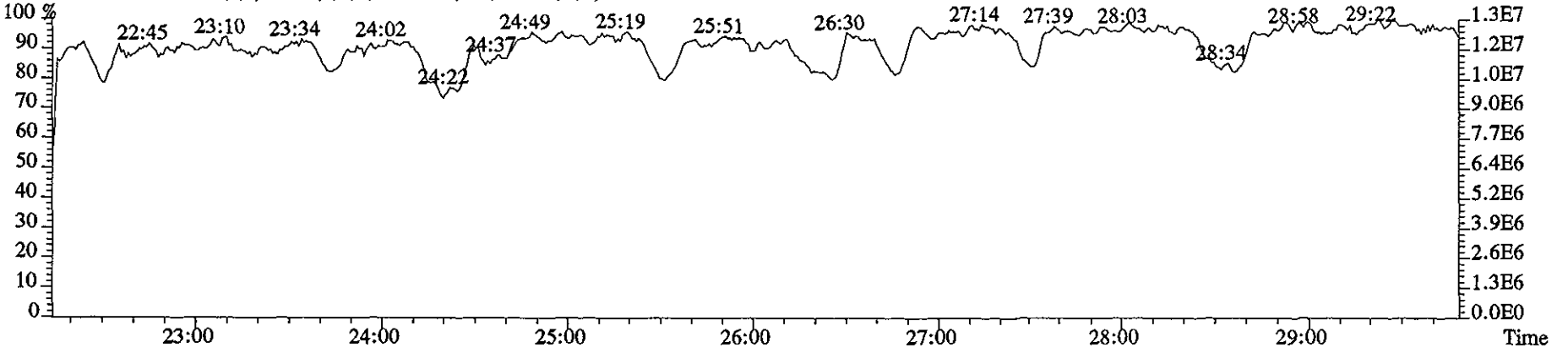
File:07MY104D5 #1-434 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A
339.8597 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9400.0,1.00%,F,T)



341.8567 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9456.0,1.00%,F,T)

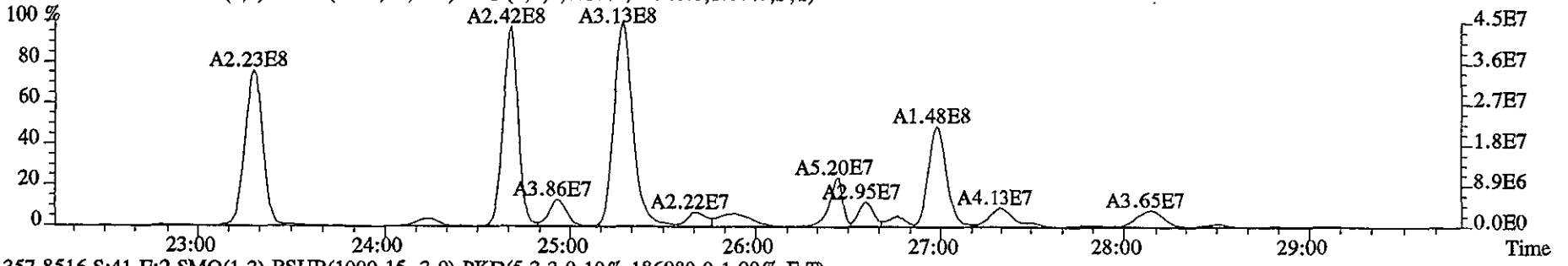


354.9792 S:41 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

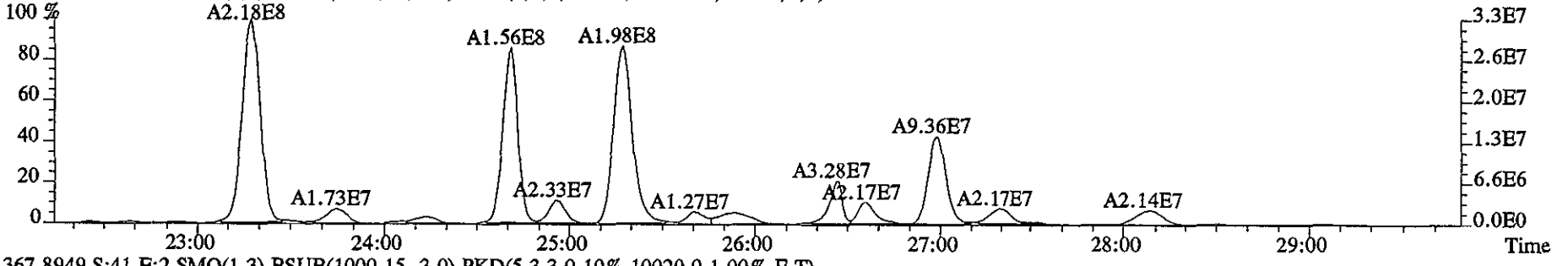


File:07MY104D5 #1-604 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

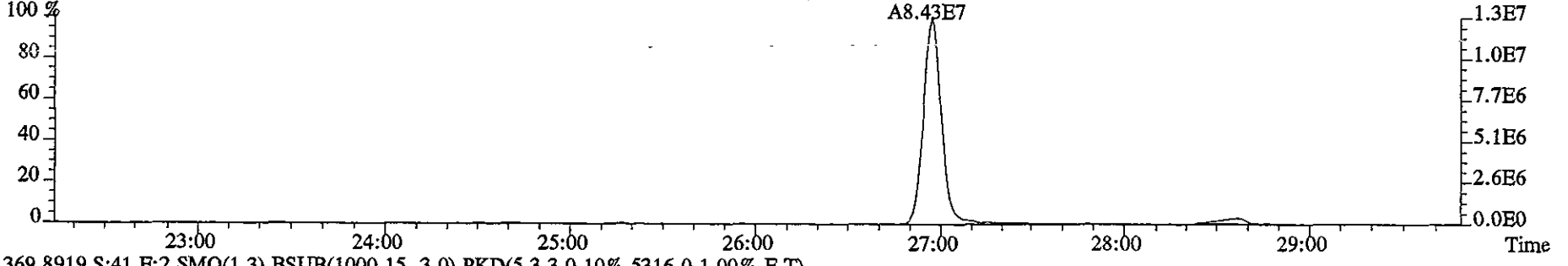
355.8546 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64340.0,1.00%,F,T)



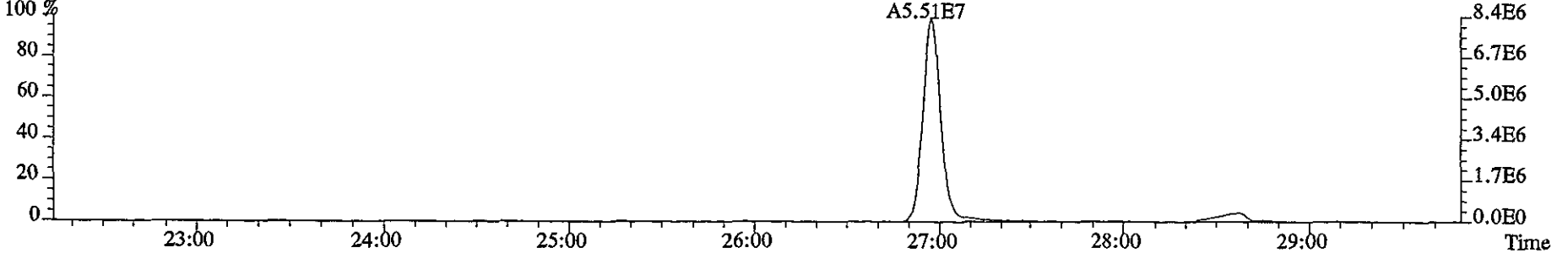
357.8516 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,186980.0,1.00%,F,T)



367.8949 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10020.0,1.00%,F,T)

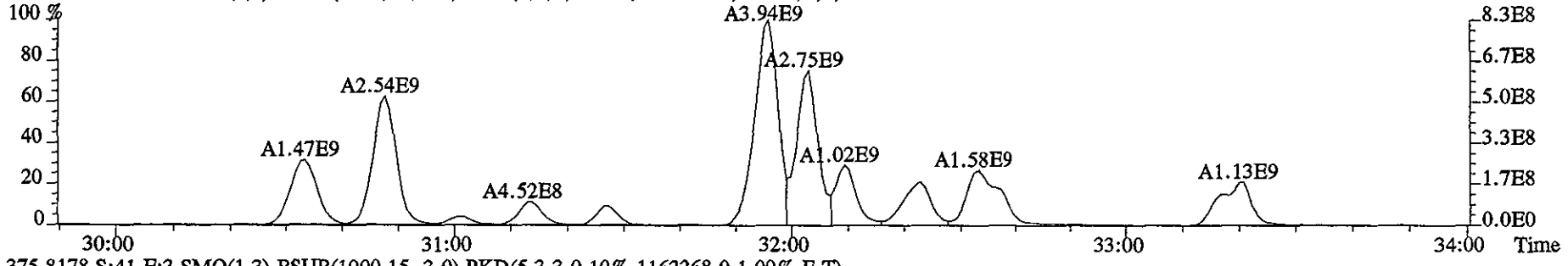


369.8919 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)

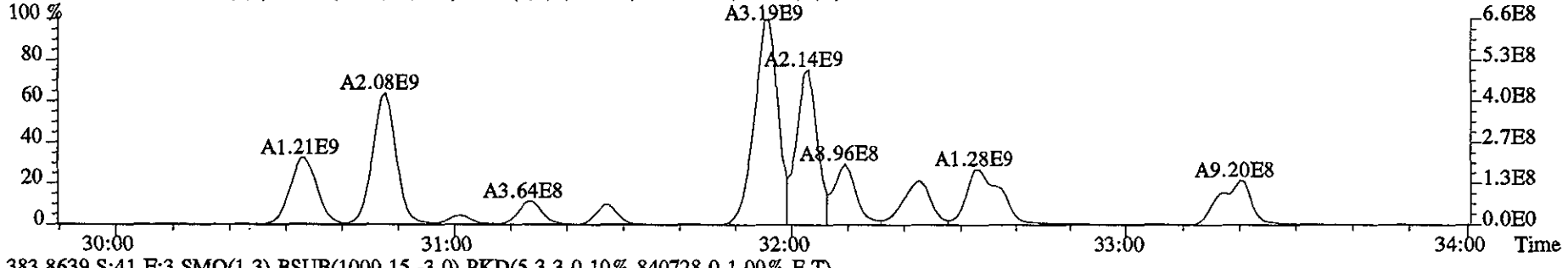


File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

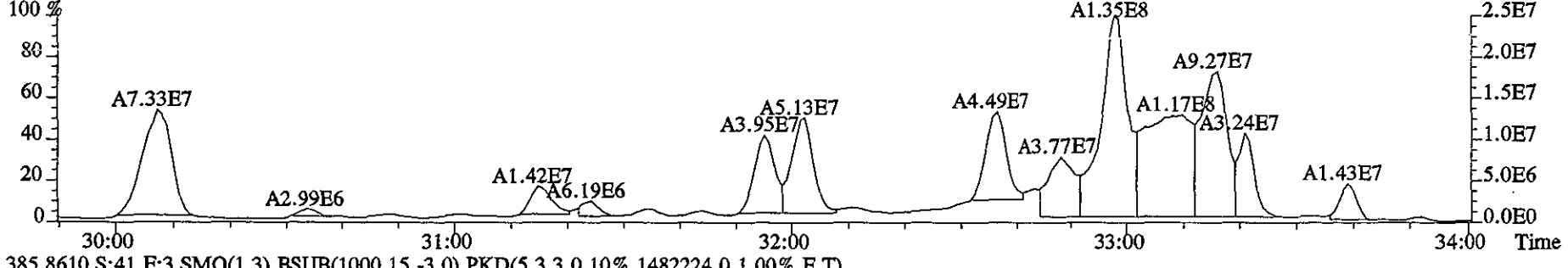
373.8208 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1433192.0,1.00%,F,T)



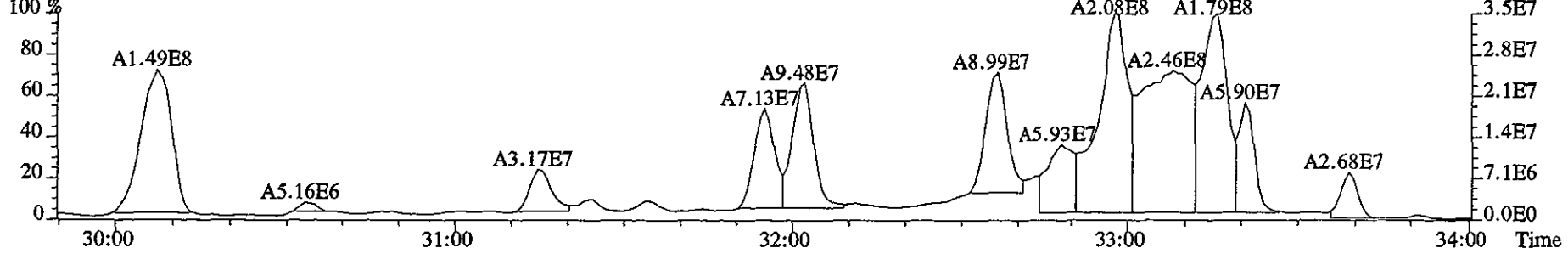
375.8178 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1162268.0,1.00%,F,T)



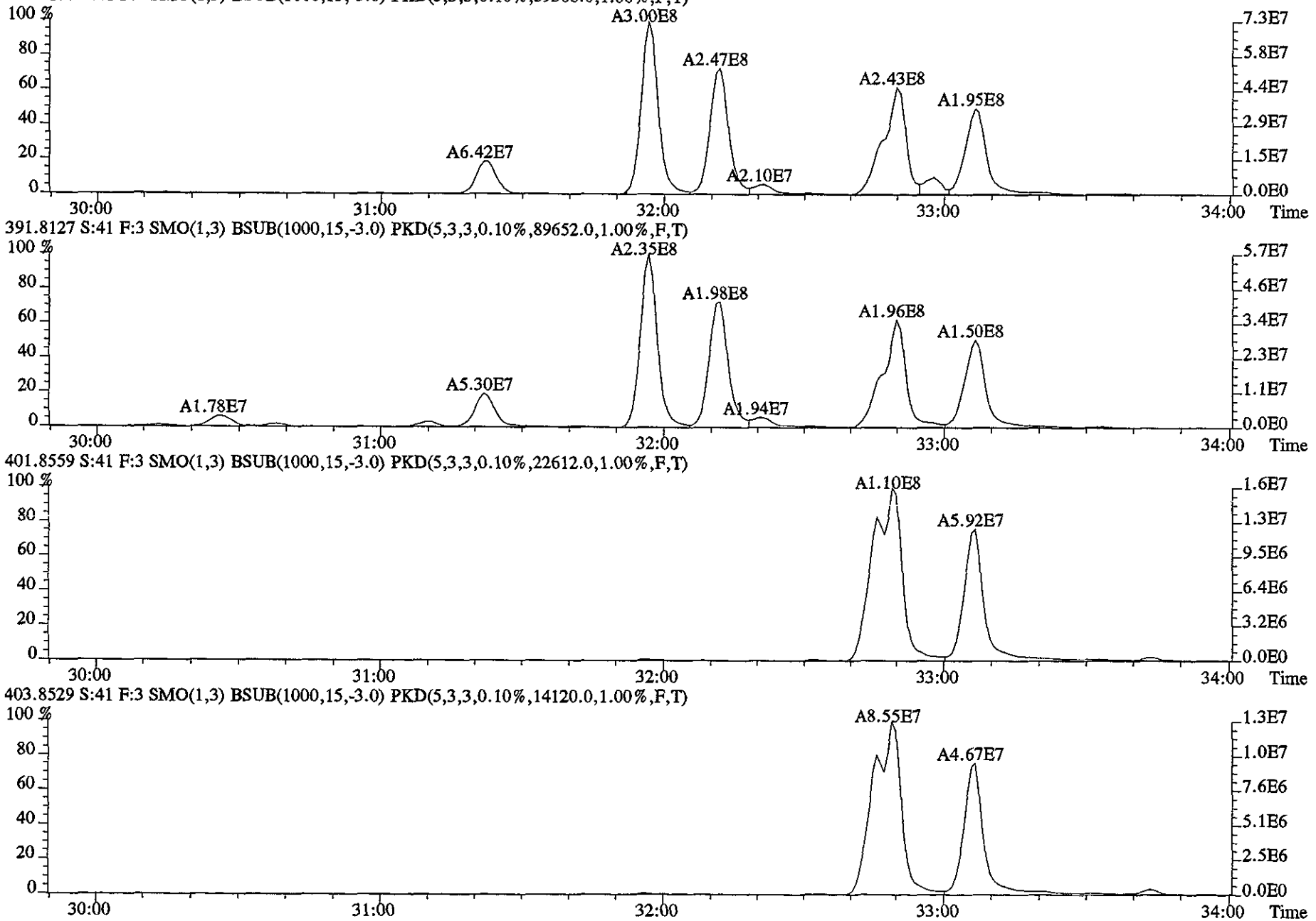
383.8639 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840728.0,1.00%,F,T)



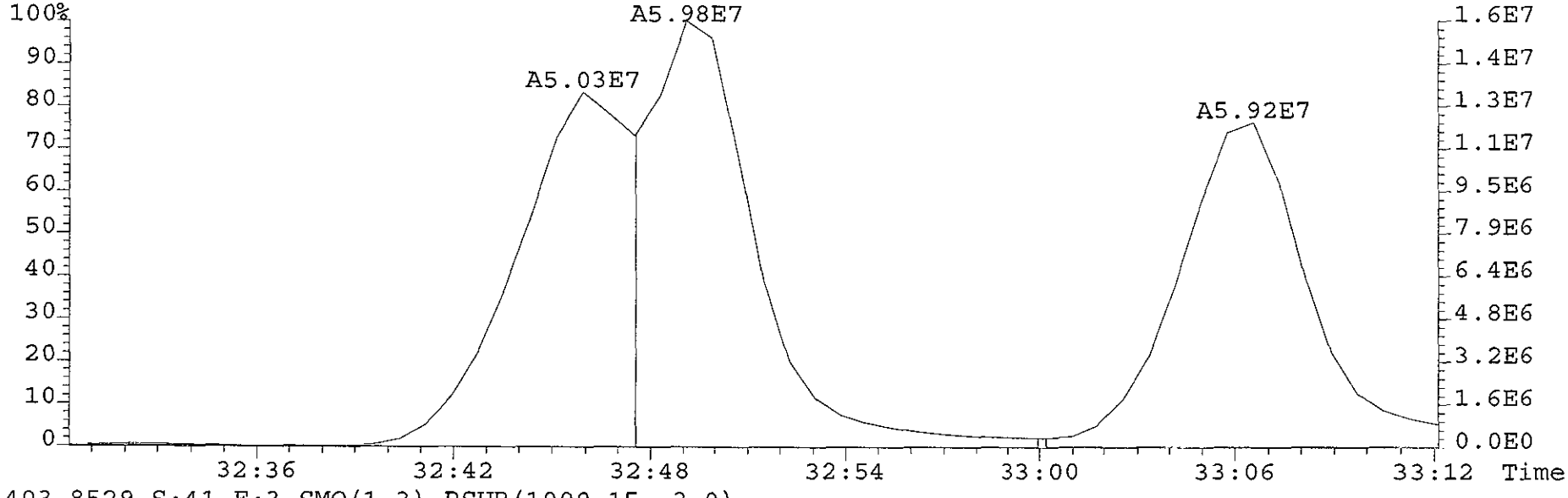
385.8610 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1482224.0,1.00%,F,T)



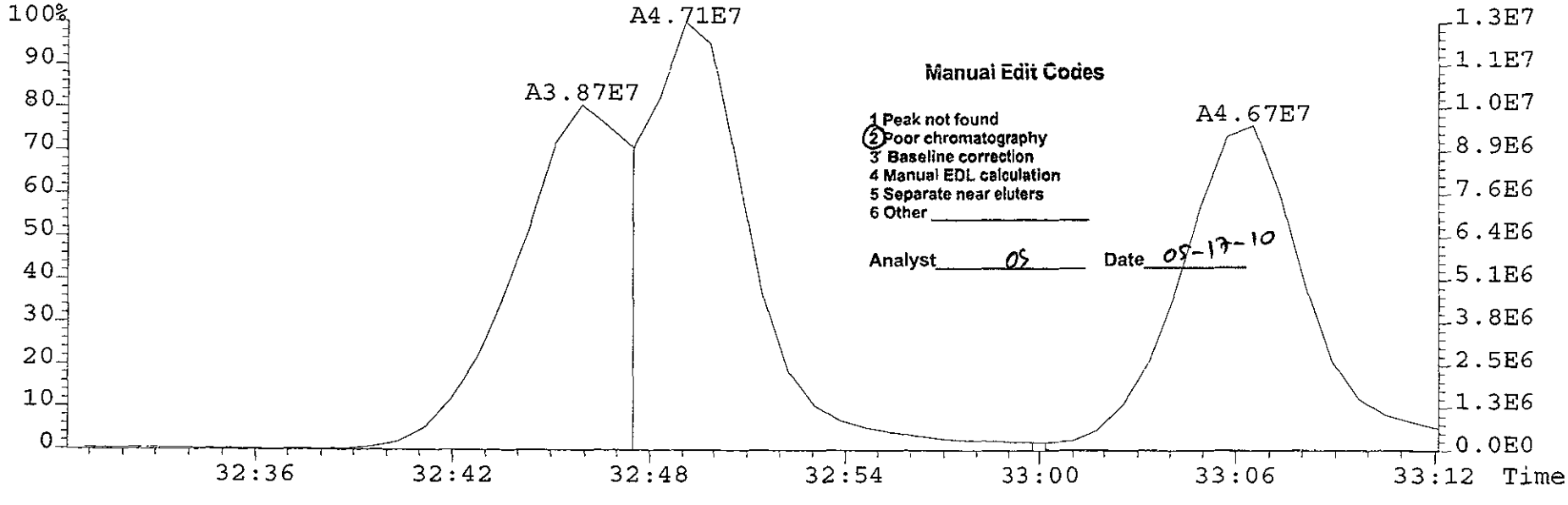
File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A



File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A
401.8559 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0)



403.8529 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0)

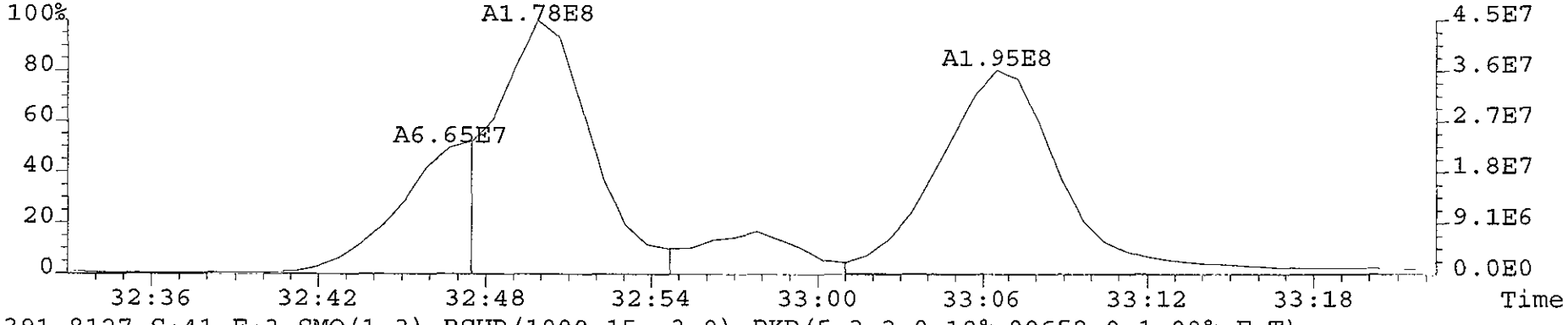


Manual Edit Codes

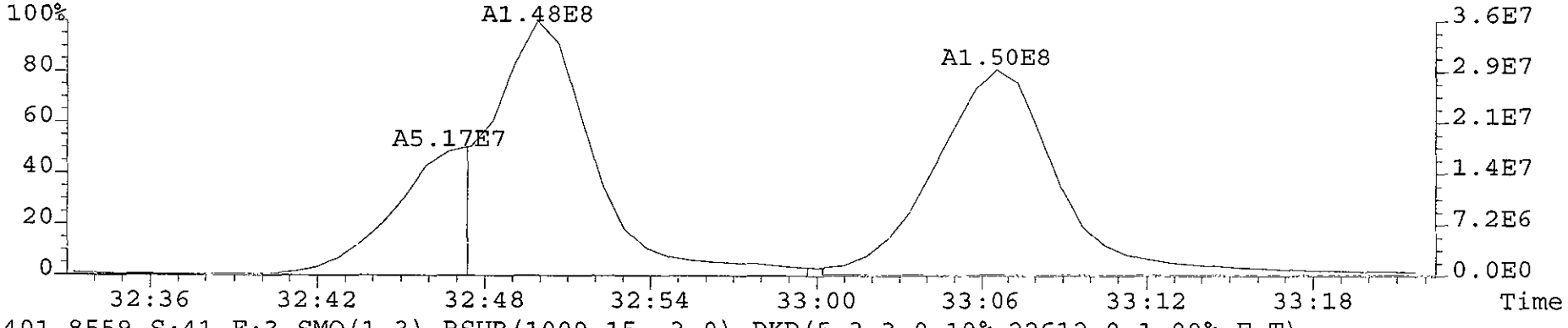
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst OS Date 05-17-10

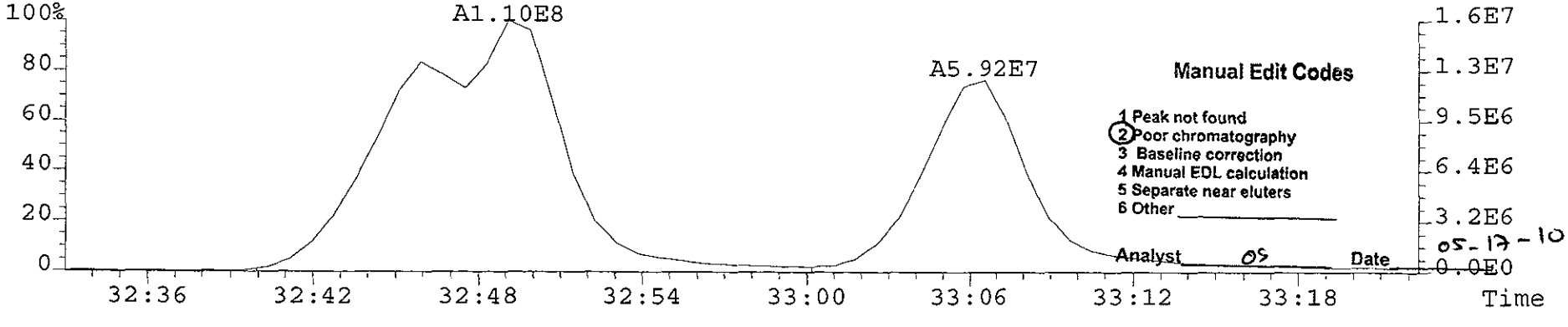
File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A
389.8157 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,59308.0,1.00%,F,T)



391.8127 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,89652.0,1.00%,F,T)



401.8559 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22612.0,1.00%,F,T)



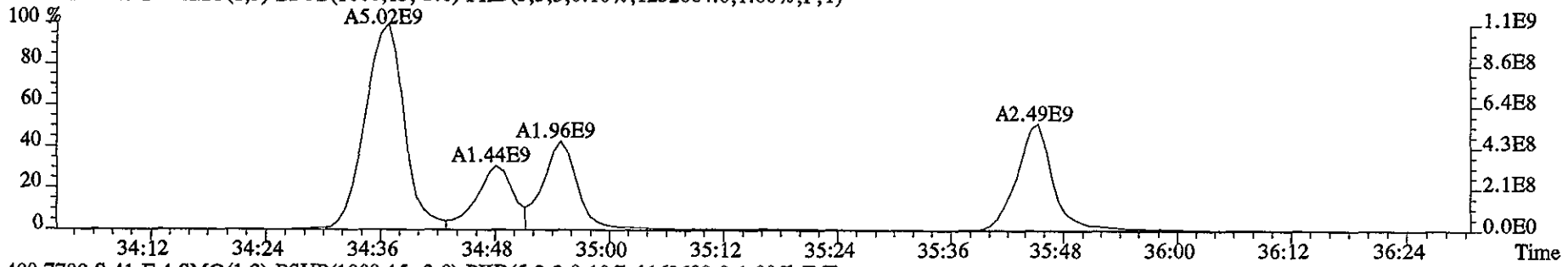
Manual Edit Codes

1 Peak not found
(2) Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

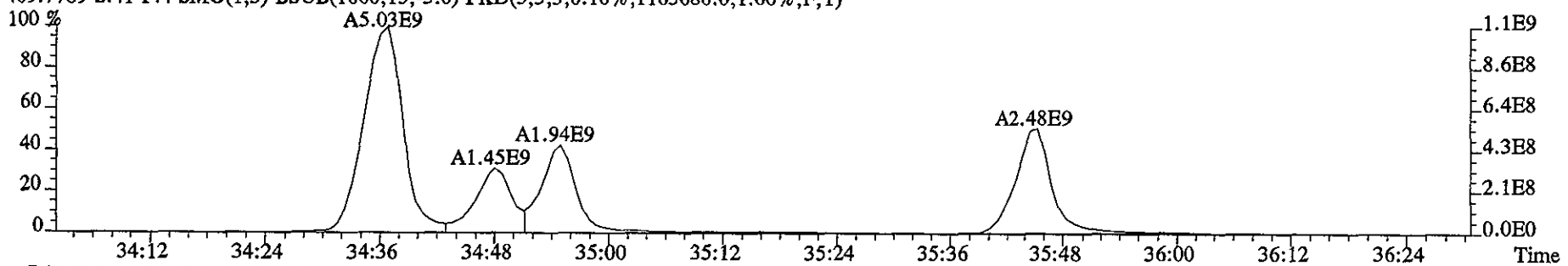
Analyst OS Date 05-17-10

File:07MY104D5 #1-198 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

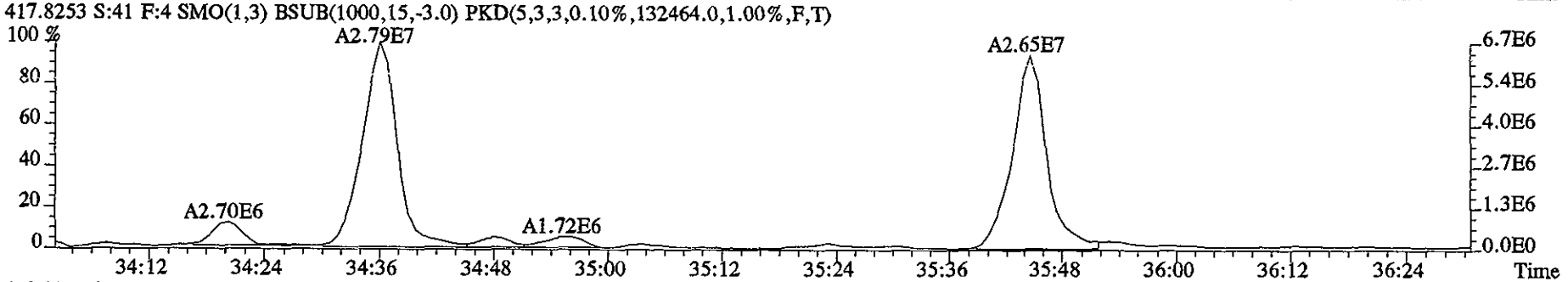
407.7818 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1232864.0,1.00%,F,T)



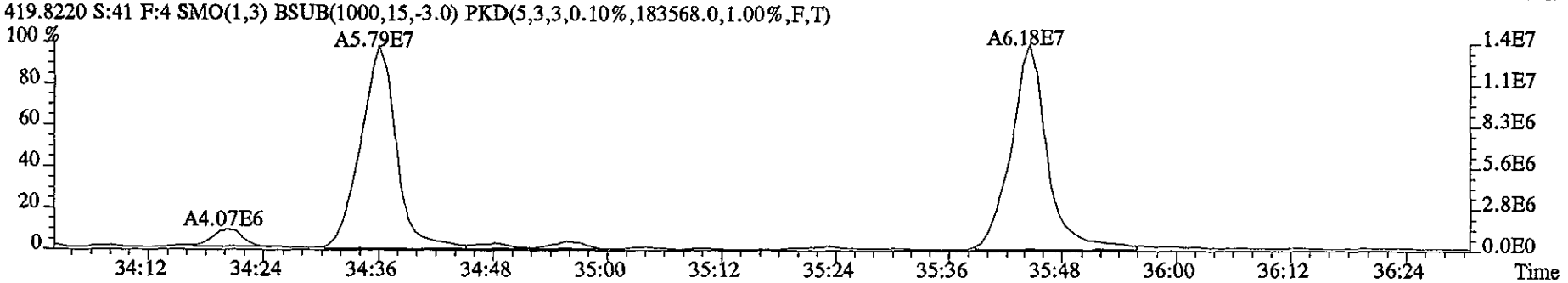
409.7789 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1163680.0,1.00%,F,T)



417.8253 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132464.0,1.00%,F,T)

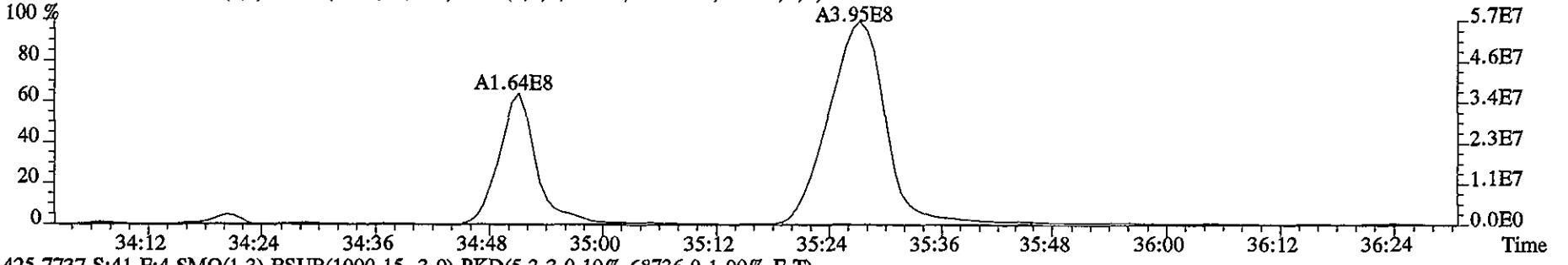


419.8220 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,183568.0,1.00%,F,T)

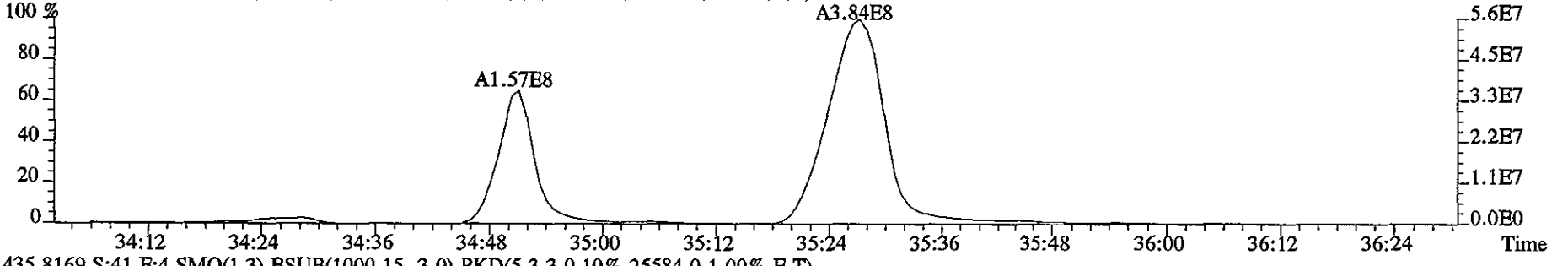


File:07MY104D5 #1-198 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

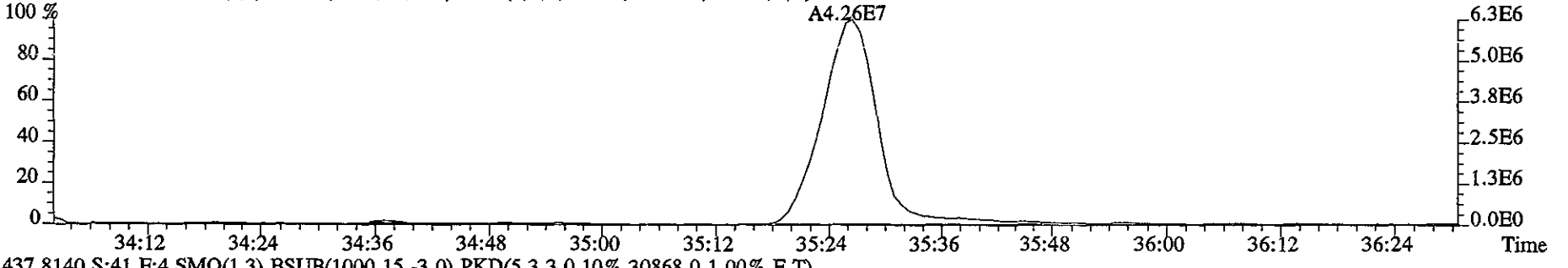
423.7766 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,305800.0,1.00%,F,T)



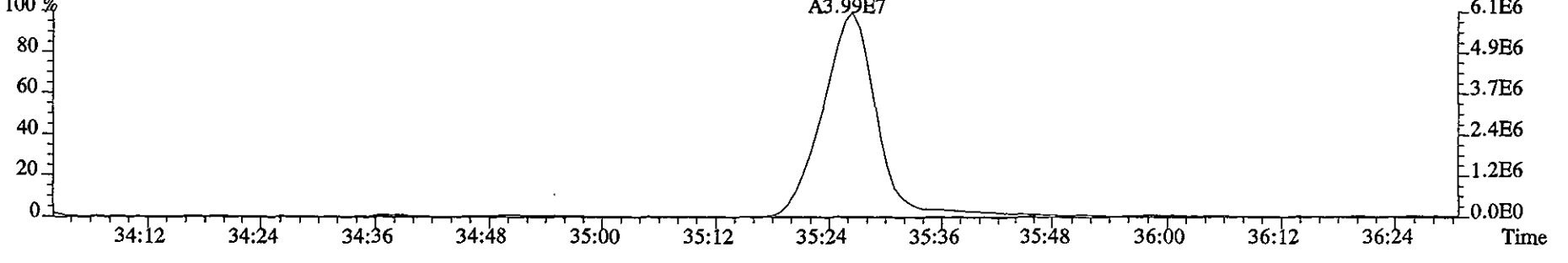
425.7737 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68736.0,1.00%,F,T)



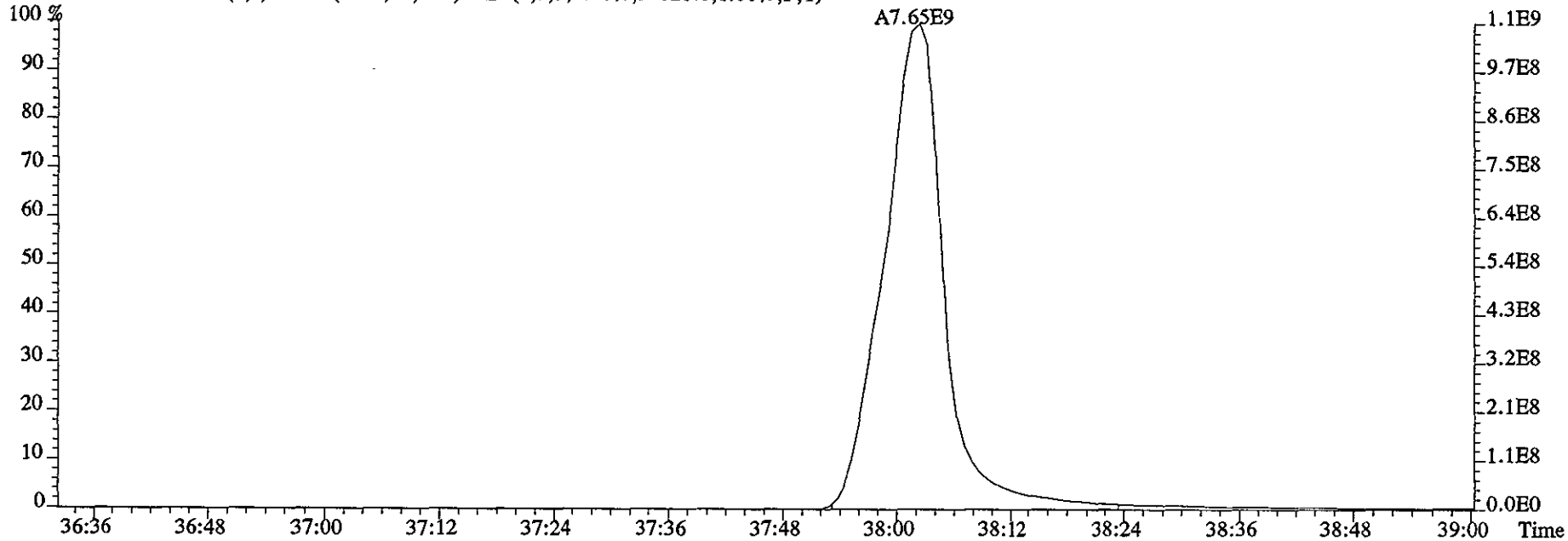
435.8169 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25584.0,1.00%,F,T)



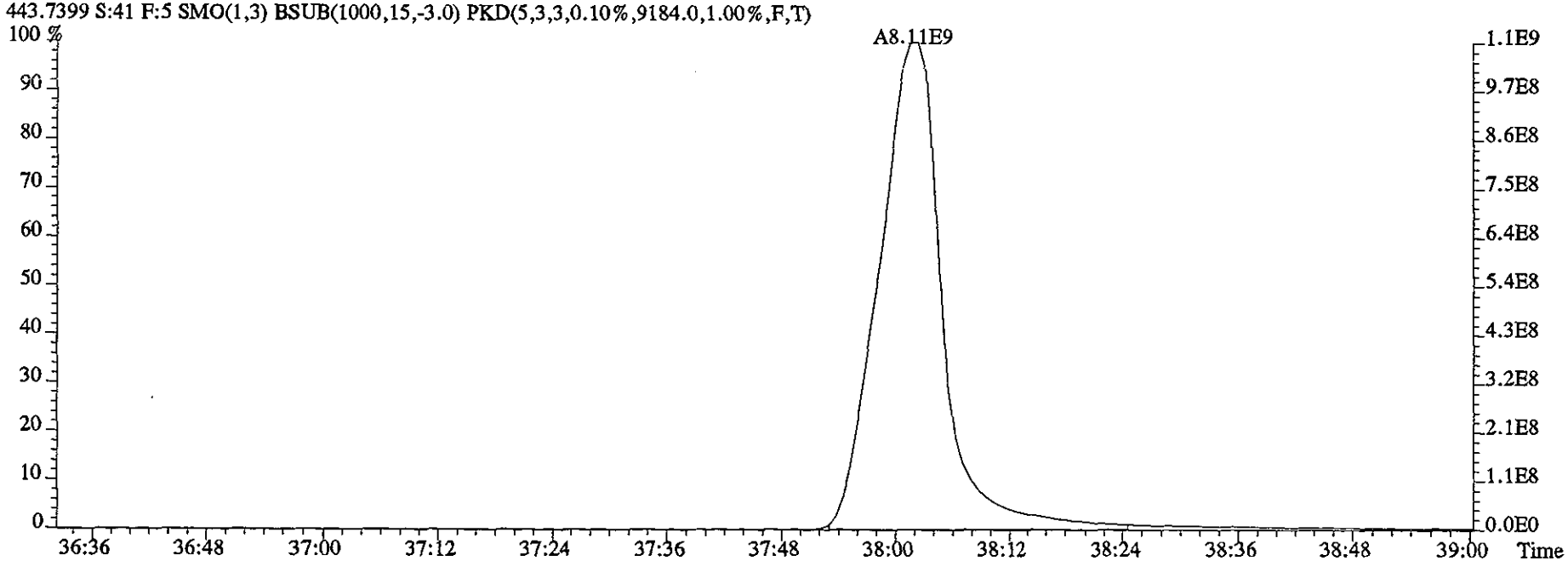
437.8140 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30868.0,1.00%,F,T)



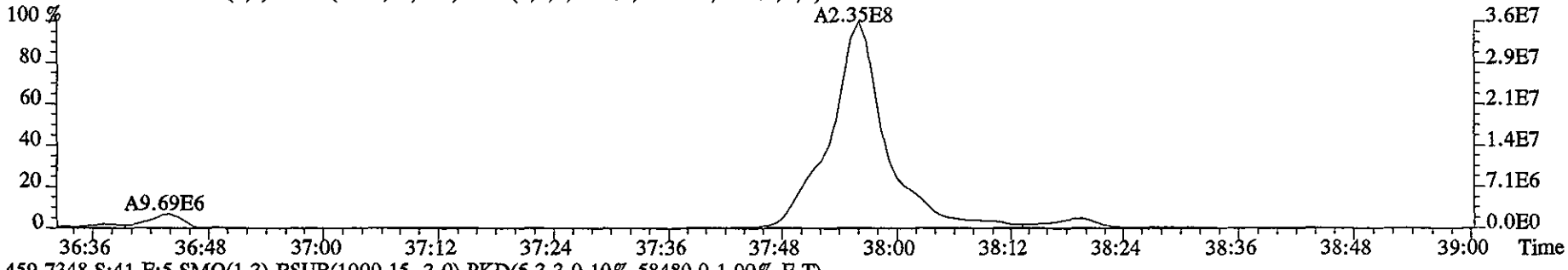
File:07MY104D5 #1-190 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A
441.7428 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23820.0,1.00%,F,T)



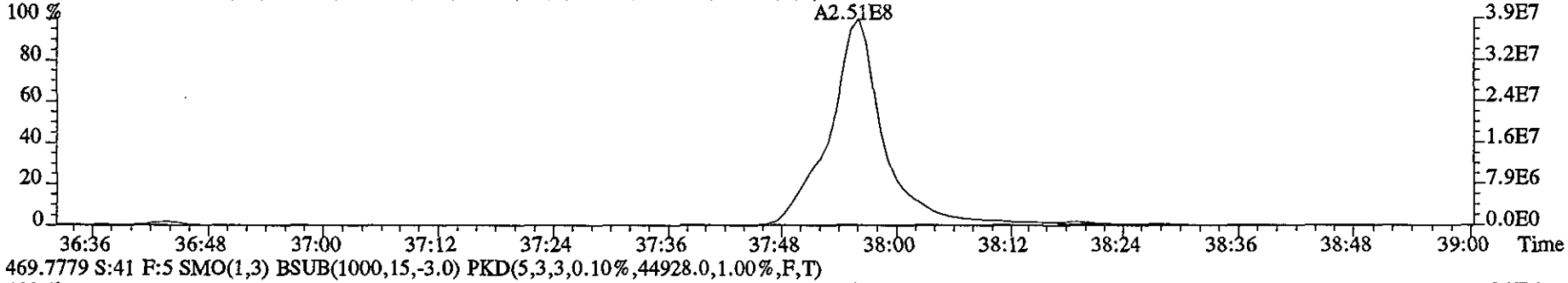
443.7399 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9184.0,1.00%,F,T)



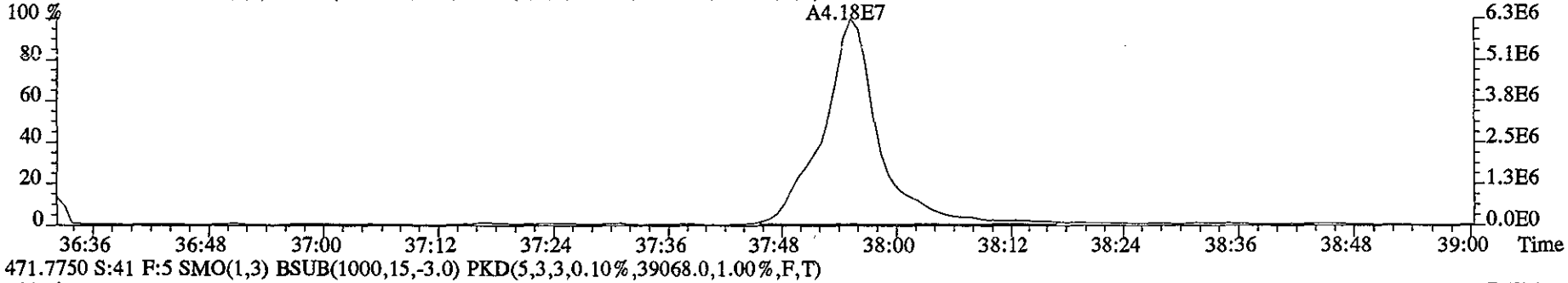
File:07MY104D5 #1-190 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A
457.7377 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,51352.0,1.00%,F,T)



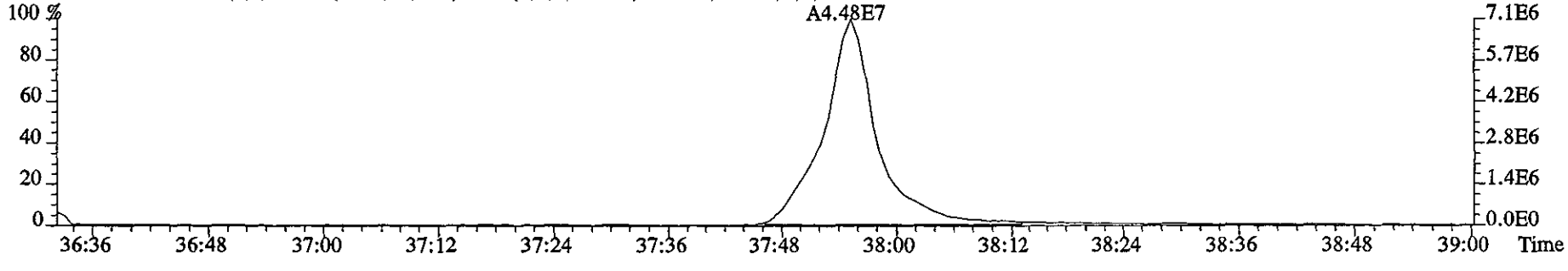
459.7348 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,58480.0,1.00%,F,T)



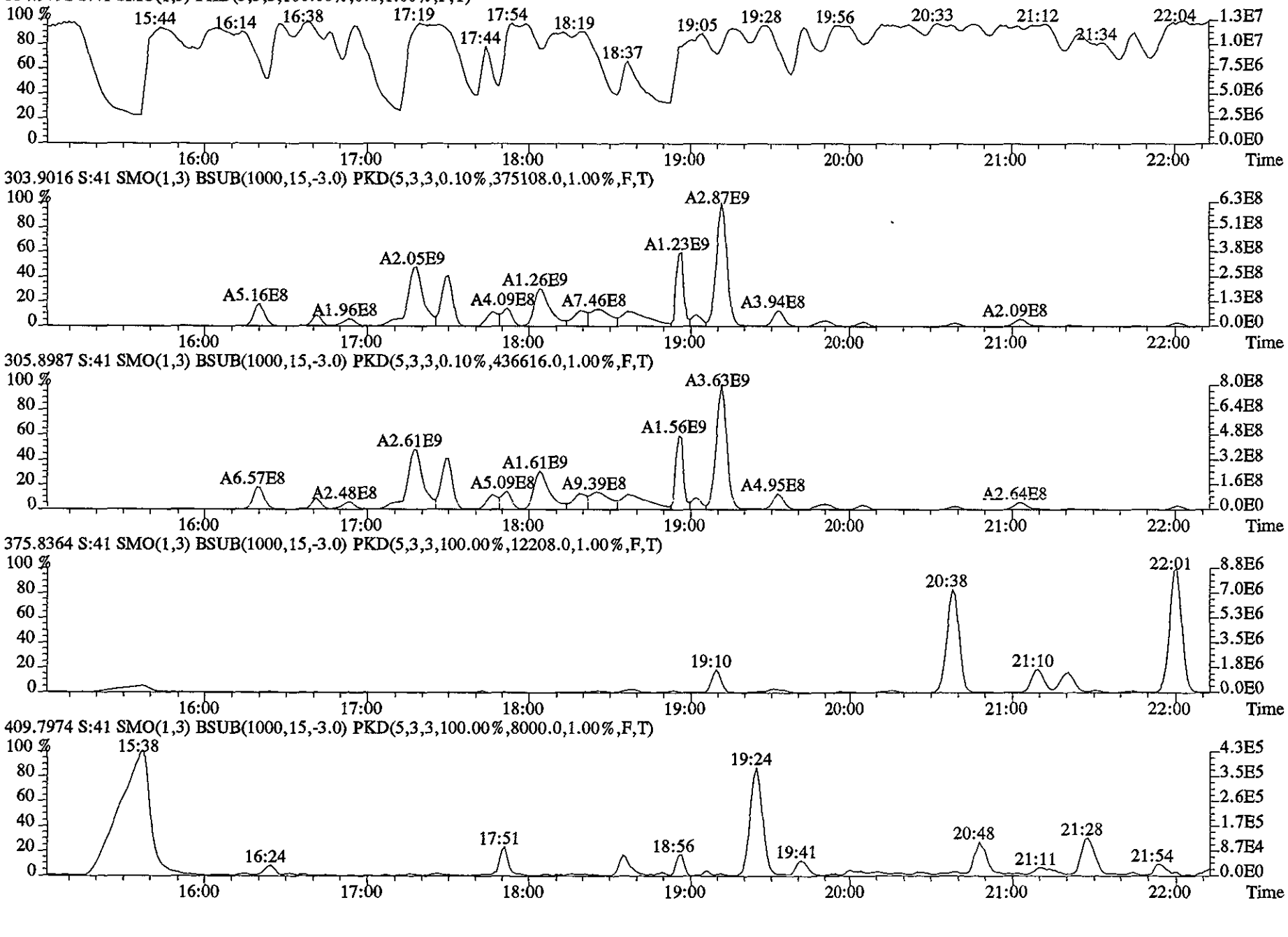
469.7779 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44928.0,1.00%,F,T)



471.7750 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39068.0,1.00%,F,T)

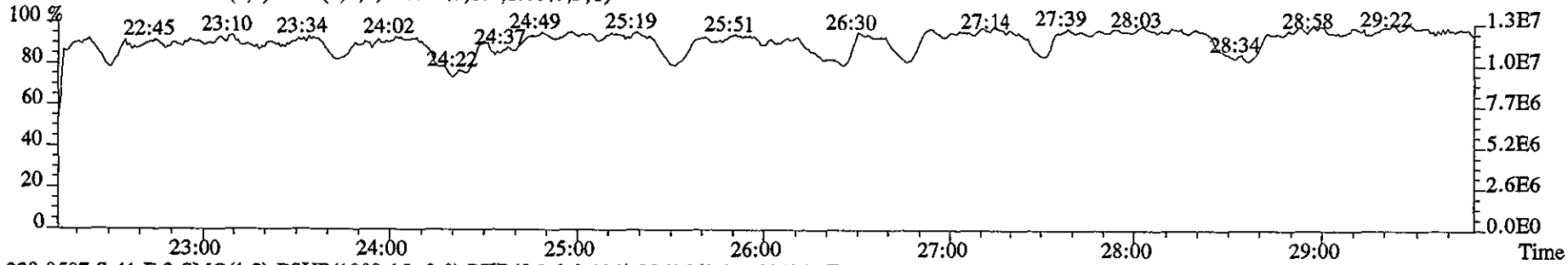


File:07MY104D5 #1-434 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

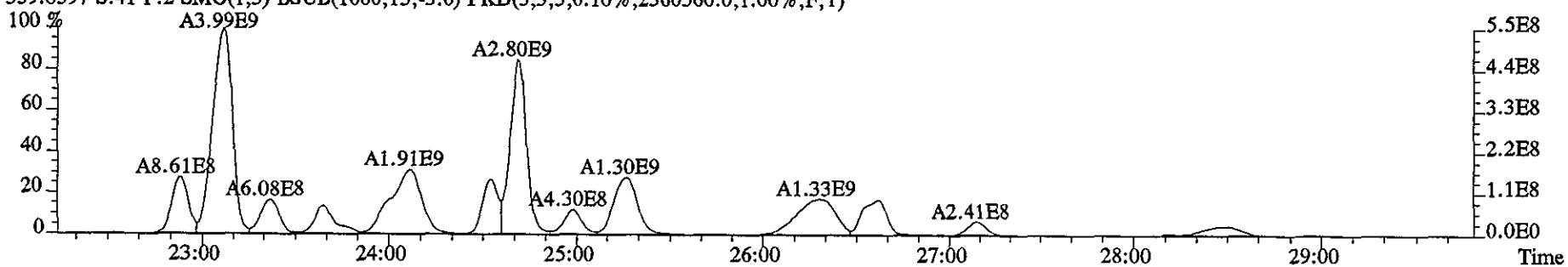


File:07MY104D5 #1-604 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

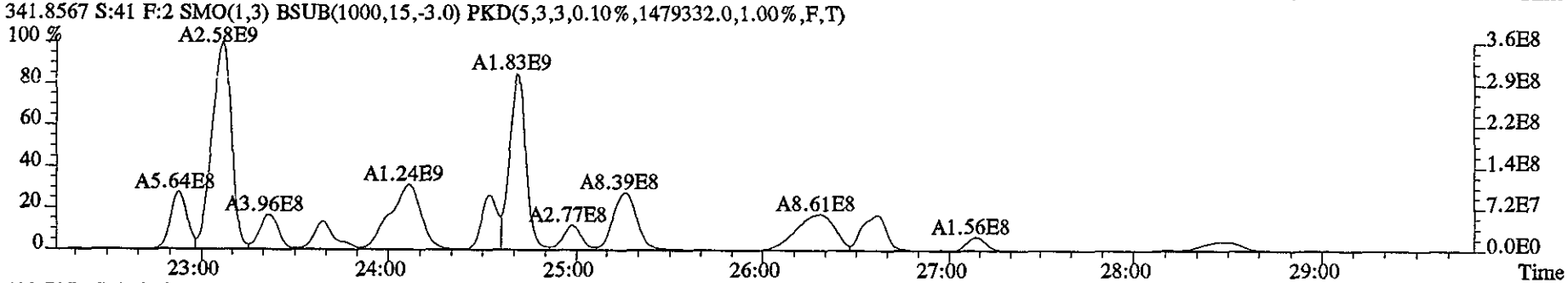
354.9792 S:41 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



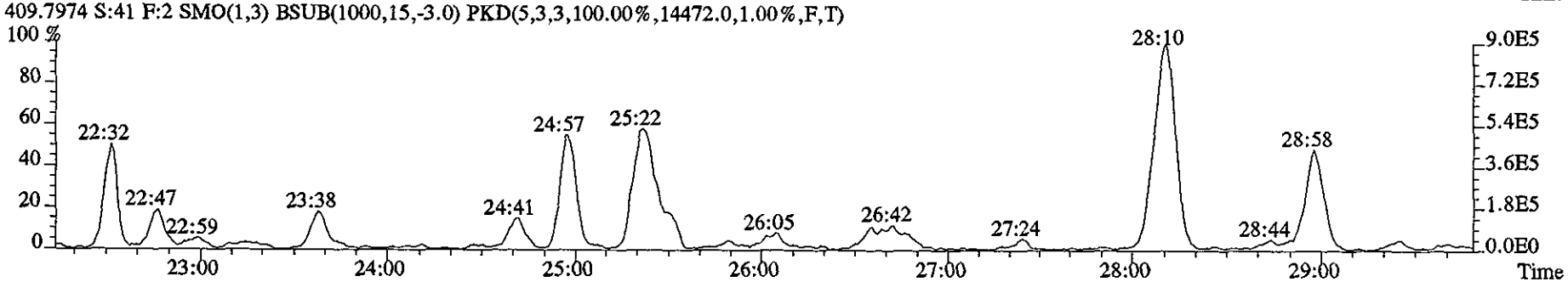
339.8597 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360560.0,1.00%,F,T)



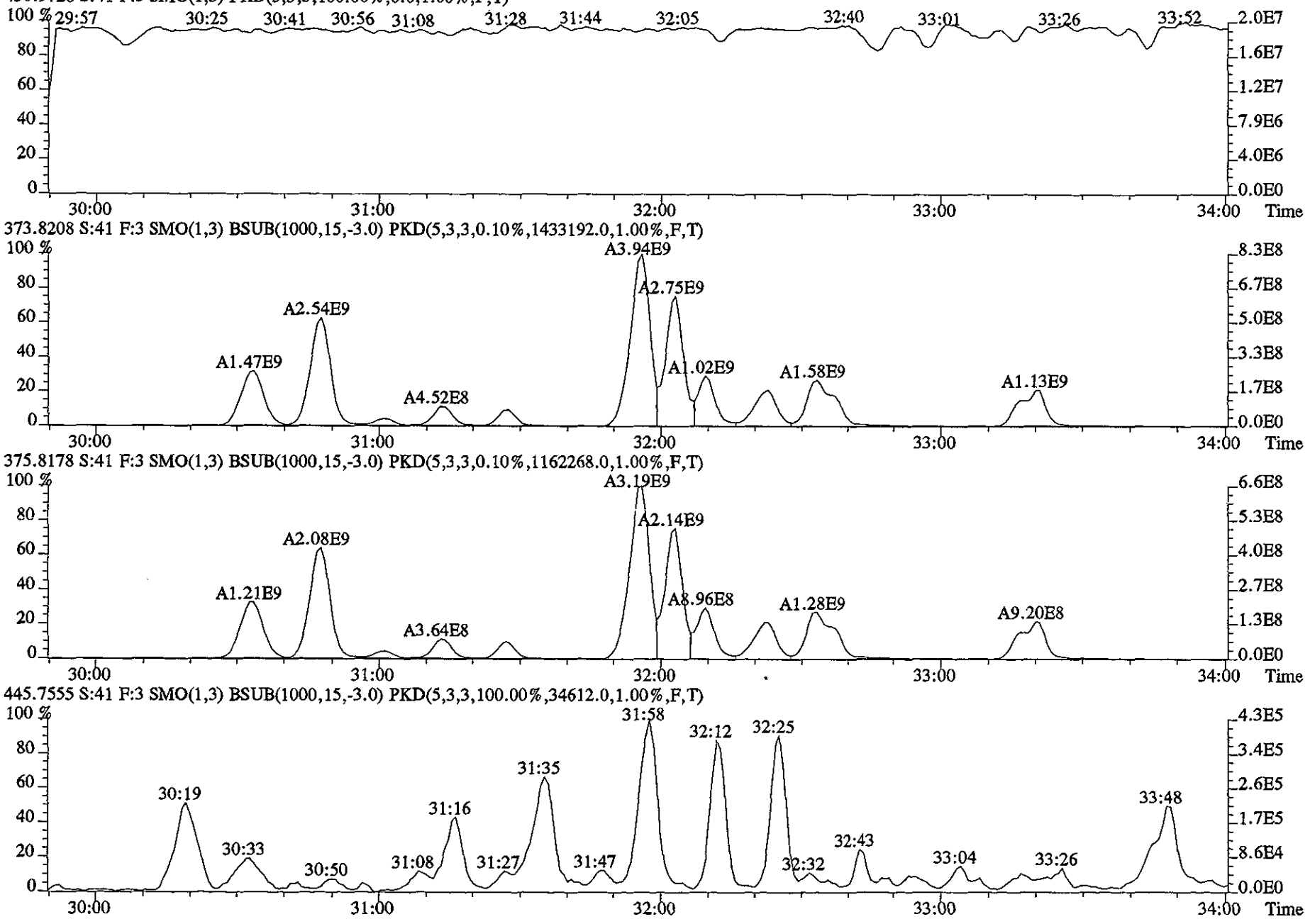
341.8567 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1479332.0,1.00%,F,T)



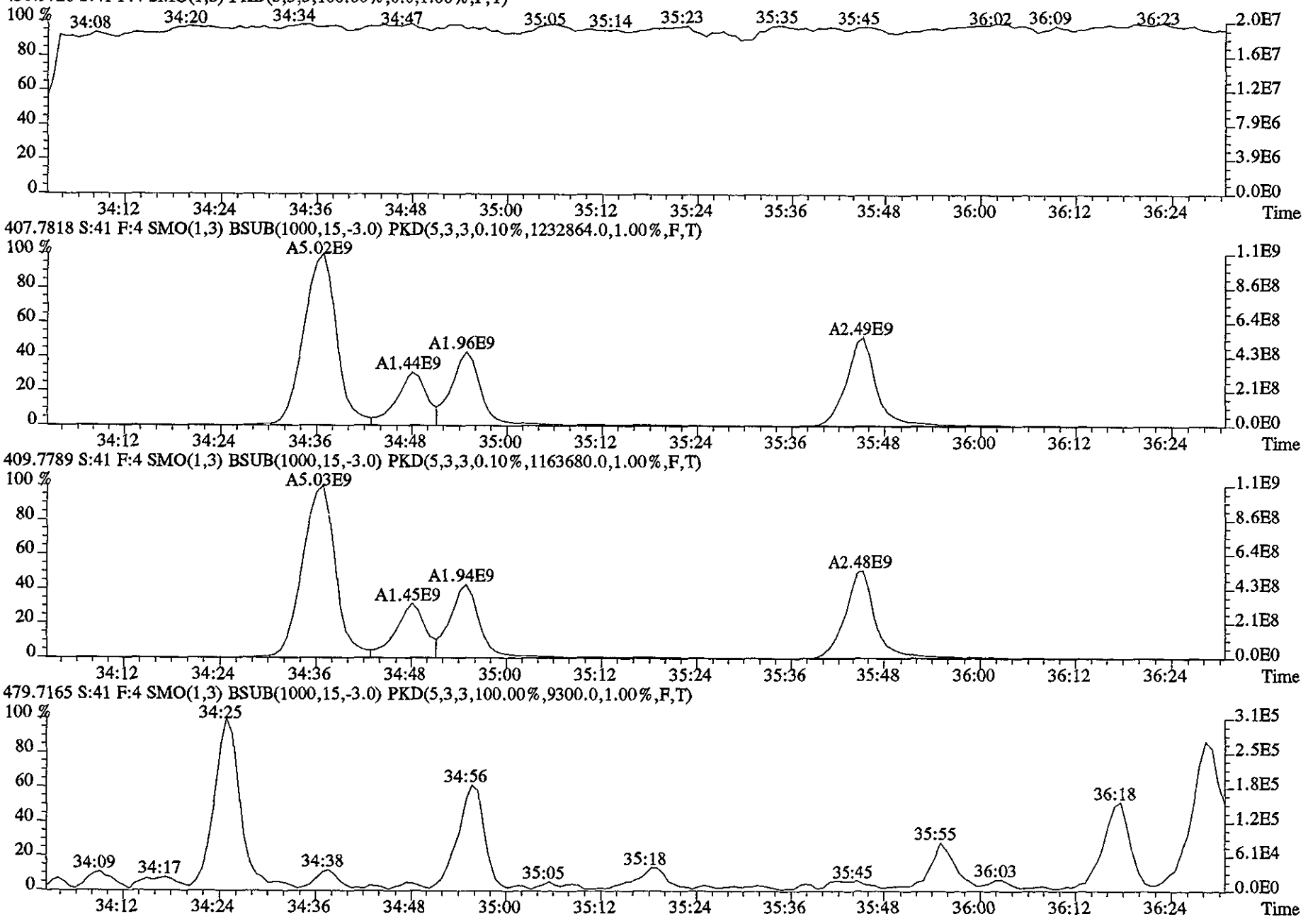
409.7974 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,14472.0,1.00%,F,T)



File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

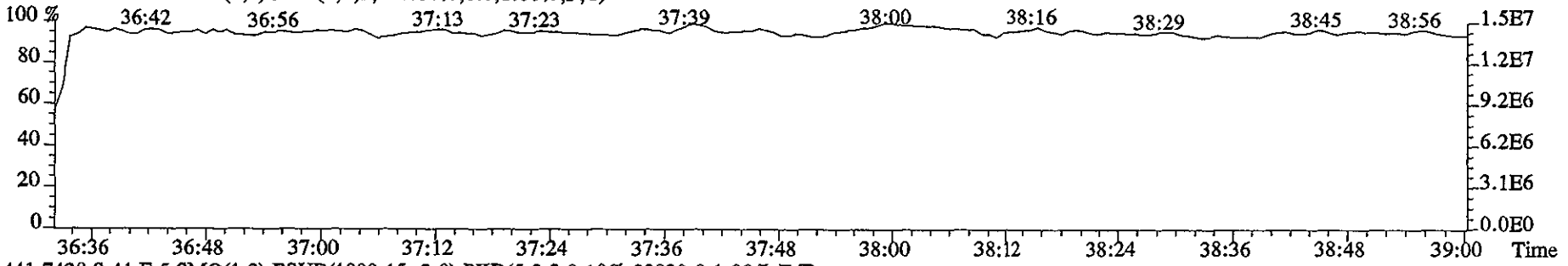


File:07MY104D5 #1-198 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

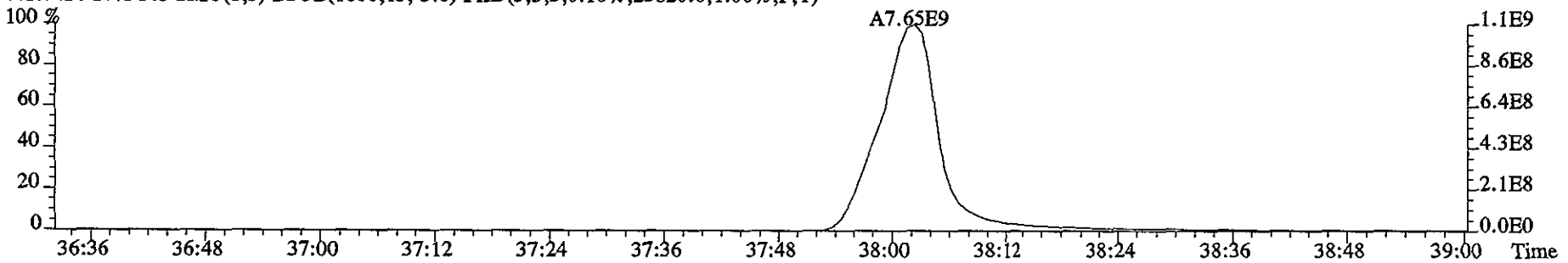


File:07MY104D5 #1-190 Acq: 8-MAY-2010 16:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#41 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

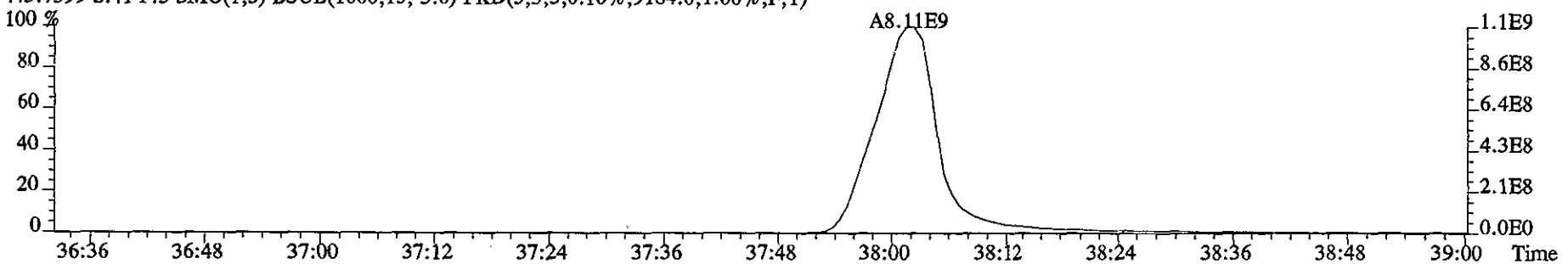
442.9728 S:41 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



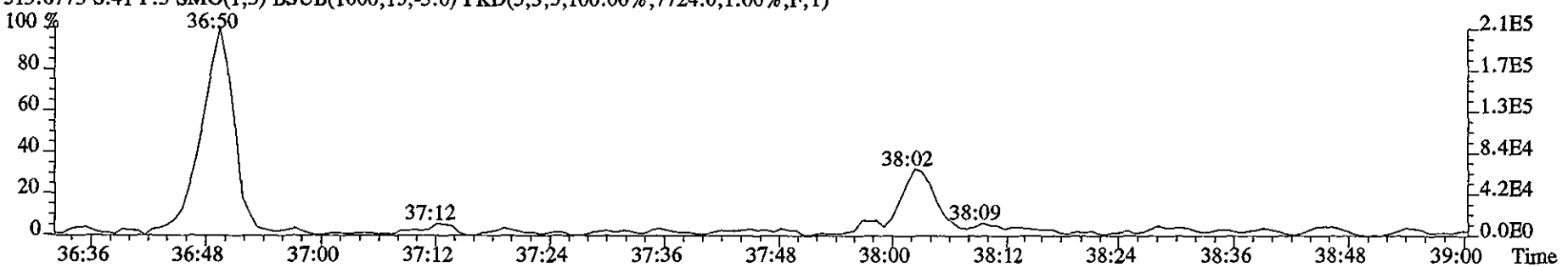
441.7428 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23820.0,1.00%,F,T)



443.7399 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9184.0,1.00%,F,T)



513.6775 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,7724.0,1.00%,F,T)



Run text: LX5X6-1-AE Sample text: LX5X6-1-AE :G0D170485-15(20X)RI
Run #16 Filename: 13MY104D5 S: 14 I: 1 Results: 13MY104D58290AOS
Acquired: 13-MAY-10 20:30:03 Processed: 13-MAY-10 21:21:48
Run: 14MY104D5 Analyte: 8290AHRS Cal: 8290A0511104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.24 g

OS
05-17-10

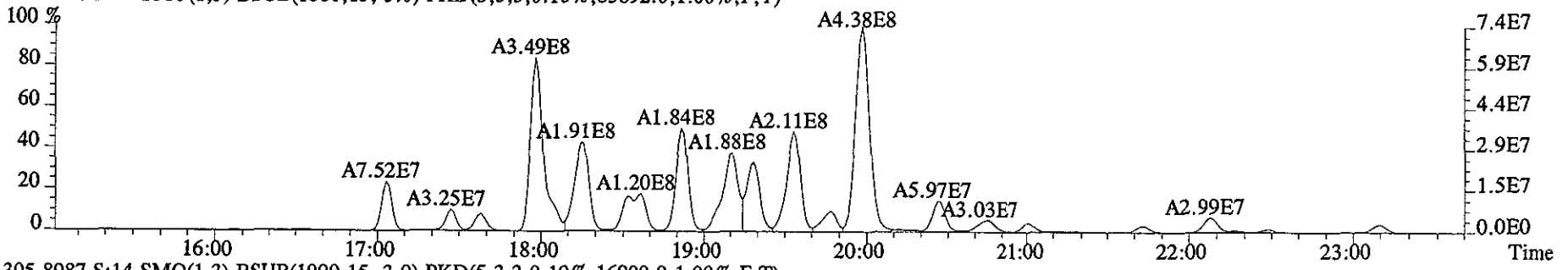
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	15514380	0.82	y	20:33	-	0.957		-	-	n
13C-2,3,7,8-TCDF	34473000	0.77	y	19:56	1.47	147.137	see DB RT	68.550	75.3	n
2,3,7,8-TCDF	1003771000	0.77	y	19:58	1.02	~~5592.796~~		6.380	-	n
Total TCDF	4986262231	1.22	n	16:08	1.02	~~27782.380~~		~~6.380~~	-	n
13C-2,3,7,8-TCDD	23981000	0.76	y	20:45	1.00	151.540	see 1X	2.363	77.6	n
2,3,7,8-TCDD	12622029	0.97	n	20:47	0.99	103.723 Q		5.237	-	y
Total TCDD	295519241	2.05	n	15:21	0.99	~~2428.475~~		~~5.237~~	-	y
37Cl-2,3,7,8-TCDD	28624600	1.00	y	20:47	2.24	80.402		7.410	102.9	n
13C-1,2,3,7,8-PeCDF	57915800	1.58	y	25:57	1.15	317.621		13.675	162.6	n
1,2,3,7,8-PeCDF	729557000	1.58	y	26:00	1.06	2323.425		57.594 G	-	n
2,3,4,7,8-PeCDF	353090000	1.58	y	27:37	1.01	1177.152		60.292 G	-	n
Total F2 PeCDF	4256926200	1.60	y	24:06	1.04	~~13841.031~~		~~58.912~~	-	n
Total F1 PeCDF	284876334	1.33	y	16:07	1.04	~~928.006~~		~~0.610~~	-	n
13C-1,2,3,7,8-PeCDD	18595750	1.54	y	28:27	0.74	159.021		1.320	81.4	n
1,2,3,7,8-PeCDD	34583000	1.64	y	28:29	1.00	363.346		32.546	-	n
Total PeCDD	281944136	0.89	n	24:34	1.00	~~2962.243~~		~~32.546~~	-	n
13C-1,2,3,7,8,9-HxCDD	14184320	1.23	y	33:36	-	1.040		-	-	n
13C-1,2,3,4,7,8-HxCDF	16578010	0.52	y	32:34	0.93	122.584		47.454	62.8	n
1,2,3,4,7,8-HxCDF	982385000	1.27	y	32:34	1.27	9110.542		32.641	-	y
1,2,3,6,7,8-HxCDF	745811000	1.26	y	32:40	1.66	5292.758		24.978	-	y
2,3,4,6,7,8-HxCDF	209064300	1.30	y	33:09	1.43	1718.674		28.934	-	y
1,2,3,7,8,9-HxCDF	109892600	1.18	y	33:47	1.25	1032.894		33.082	-	y
Total HxCDF	4082596400	1.28	y	31:26	1.40	~~34231.566~~		~~29.529~~	-	y
13C-1,2,3,6,7,8-HxCDD	15078040	1.27	y	33:21	0.88	117.483	see 1X	2.252	60.2	n
1,2,3,4,7,8-HxCDD	67143600	1.28	y	33:22	0.83	1042.090		6.082	-	n
1,2,3,6,7,8-HxCDD	67143600	1.28	y	33:22	1.15	753.057		4.395	-	n
1,2,3,7,8,9-HxCDD	48583500	1.30	y	33:36	1.17	539.036		4.348	-	n
Total HxCDD	288411170	0.66	n	30:55	1.05	3417.668		4.823	-	n
13C-1,2,3,4,6,7,8-HpCDF	13192490	0.44	y	35:08	0.87	104.868		9.473	53.7	n
1,2,3,4,6,7,8-HpCDF	1859607000	0.98	y	35:09	1.34	20477.735 E		38.025	-	n
1,2,3,4,7,8,9-HpCDF	808381000	0.98	y	36:19	1.11	10817.324		46.208	-	n
Total HpCDF	3819130000	0.98	y	35:09	1.23	~~45202.~~663		~~41.719~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	12021820	1.07	y	35:59	0.73	112.817		2.421	57.8	n
1,2,3,4,6,7,8-HpCDD	123307700	1.04	y	35:59	1.04	1919.047		36.079	-	n
Total HpCDD	178413358	5.79	n	34:52	1.04	2776.660		~~36.079~~	-	n
13C-OCDD	12033650	0.94	y	38:34	0.52	159.740		5.239	40.9	n
OCDF	2838410000	0.89	y	38:42	1.54	59688.097 E		4.002	-	n

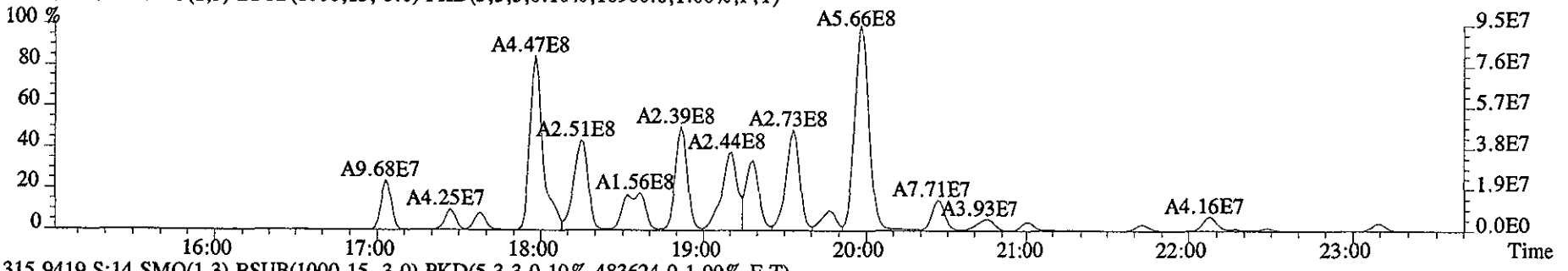
OCDD	71316700	0.94	y	38:35	1.15	2020.603,	24.848	- n

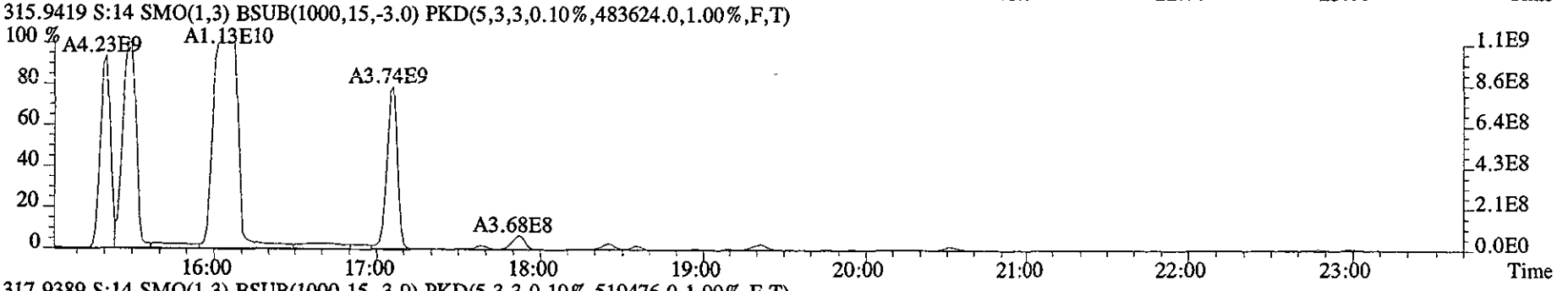
Run text: LX5X6-1-AE Sample text: LX5X6-1-AE :G0D170485-15(20X)RI
Run #16 Filename: 13MY104D5 S: 14 I: 1 Results: 13MY104D58290A
Acquired: 13-MAY-10 20:30:03 Processed: 13-MAY-10 21:21:48
Run: 13MY104D5 Analyte: 8290AHRS Cal: 8290A0511104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.2400╖g

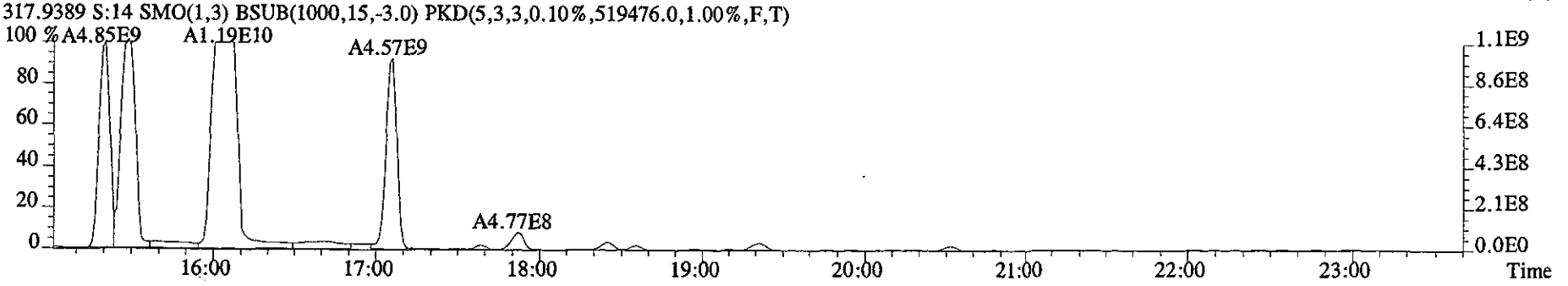
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	15514380	0.82	y	20:33	-	0.96	-	-	n
13C-2,3,7,8-TCDF	34473000	0.77	y	19:56	1.47	147.14	68.55	75.3	n
2,3,7,8-TCDF	1003771000	0.77	y	19:58	1.02	5592.80	6.38	-	n
Total TCDF	4986262231	1.22	n	16:08	1.02	27782.38	6.38	-	n
13C-2,3,7,8-TCDD	23981000	0.76	y	20:45	1.00	151.54	2.36	77.6	n
2,3,7,8-TCDD	12681643	0.95	n	20:47	0.99	104.21	5.24	-	n
Total TCDD	358789187	2.05	n	15:21	0.99	2948.41	5.24	-	n
37Cl-2,3,7,8-TCDD	28624600	1.00	y	20:47	2.24	80.40	7.41	102.9	n
13C-1,2,3,7,8-PeCDF	57915800	1.58	y	25:57	1.15	317.62	13.68	162.6	n
1,2,3,7,8-PeCDF	729557000	1.58	y	26:00	1.06	2323.42	57.59	-	n
2,3,4,7,8-PeCDF	353090000	1.58	y	27:37	1.01	1177.15	60.29	-	n
Total F2 PeCDF	4256926200	1.60	y	24:06	1.04	13841.03	58.91	-	n
Total F1 PeCDF	284876334	1.33	y	16:07	1.04	928.01	0.61	-	n
13C-1,2,3,7,8-PeCDD	18595750	1.54	y	28:27	0.74	159.02	1.32	81.4	n
1,2,3,7,8-PeCDD	34583000	1.64	y	28:29	1.00	363.35	32.55	-	n
Total PeCDD	281944136	0.89	n	24:34	1.00	2962.24	32.55	-	n
13C-1,2,3,7,8,9-HxCDD	14184320	1.23	y	33:36	-	1.04	-	-	n
13C-1,2,3,4,7,8-HxCDF	16578010	0.52	y	32:34	0.93	122.58	47.45	62.8	n
1,2,3,4,7,8-HxCDF	1136716000	1.25	y	32:34	1.27	10541.79	32.64	-	n
1,2,3,6,7,8-HxCDF	742703000	1.27	y	32:40	1.66	5270.70	24.98	-	n
2,3,4,6,7,8-HxCDF	446775000	1.26	y	33:07	1.43	3672.84	28.93	-	n
1,2,3,7,8,9-HxCDF	306954000	1.28	y	33:51	1.25	2885.10	33.08	-	n
Total HxCDF	4668591000	1.28	y	31:26	1.40	39447.13	29.53	-	n
13C-1,2,3,6,7,8-HxCDD	15078040	1.27	y	33:21	0.88	117.48	2.25	60.2	n
1,2,3,4,7,8-HxCDD	67143600	1.28	y	33:22	0.83	1042.09	6.08	-	n
1,2,3,6,7,8-HxCDD	67143600	1.28	y	33:22	1.15	753.06	4.39	-	n
1,2,3,7,8,9-HxCDD	48583500	1.30	y	33:36	1.17	539.04	4.35	-	n
Total HxCDD	288411170	0.66	n	30:55	1.05	3417.67	4.82	-	n
13C-1,2,3,4,6,7,8-HpCDF	13192490	0.44	y	35:08	0.87	104.87	9.47	53.7	n
1,2,3,4,6,7,8-HpCDF	1859607000	0.98	y	35:09	1.34	20477.74	38.03	-	n
1,2,3,4,7,8,9-HpCDF	808381000	0.98	y	36:19	1.11	10817.32	46.21	-	n
Total HpCDF	3819130000	0.98	y	35:09	1.23	45202.66	41.72	-	n
13C-1,2,3,4,6,7,8-HpCDD	12021820	1.07	y	35:59	0.73	112.82	2.42	57.8	n
1,2,3,4,6,7,8-HpCDD	123307700	1.04	y	35:59	1.04	1919.05	36.08	-	n
Total HpCDD	178413358	5.79	n	34:52	1.04	2776.66	36.08	-	n
13C-OCDD	12033650	0.94	y	38:34	0.52	159.74	5.24	40.9	n
OCDF	2838410000	0.89	y	38:42	1.54	59688.10	4.00	-	n
OCDD	71316700	0.94	y	38:35	1.15	2020.60	24.85	-	n

File:13MY104D5 #1-522 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

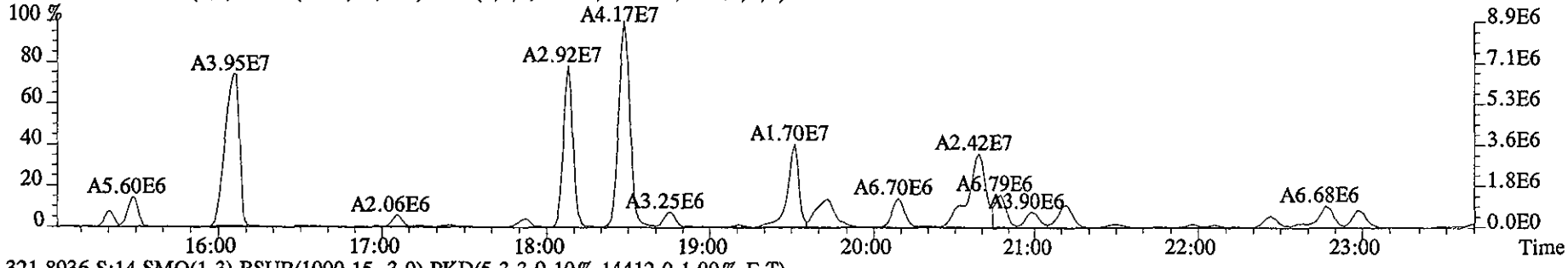


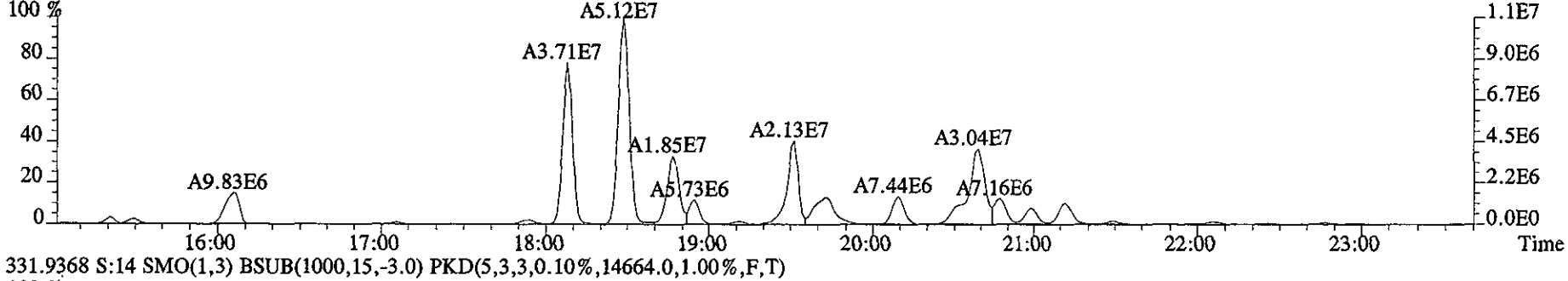


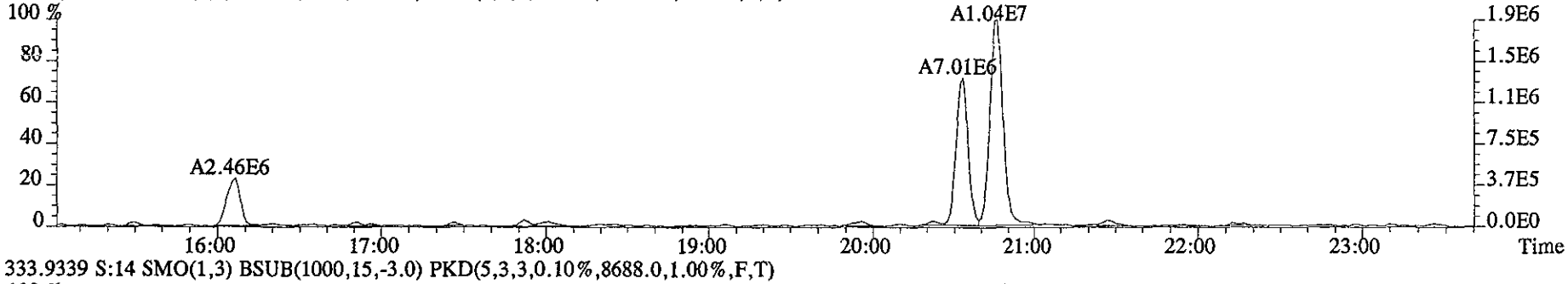


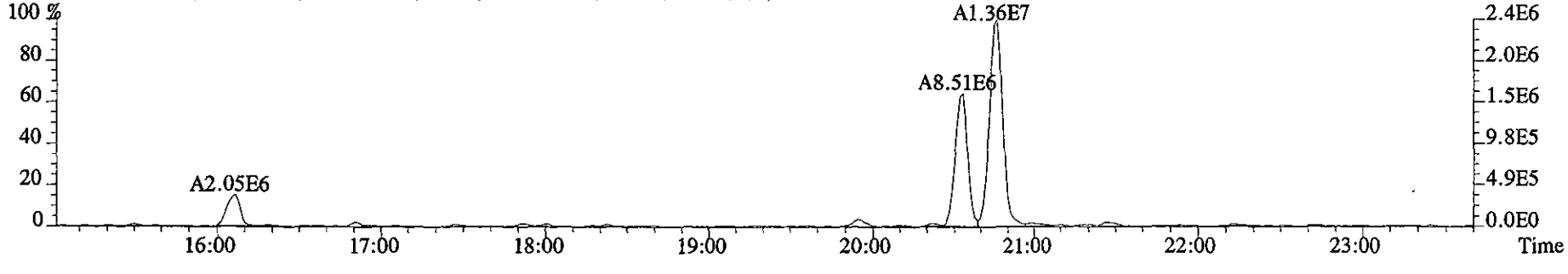


File:13MY104D5 #1-522 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

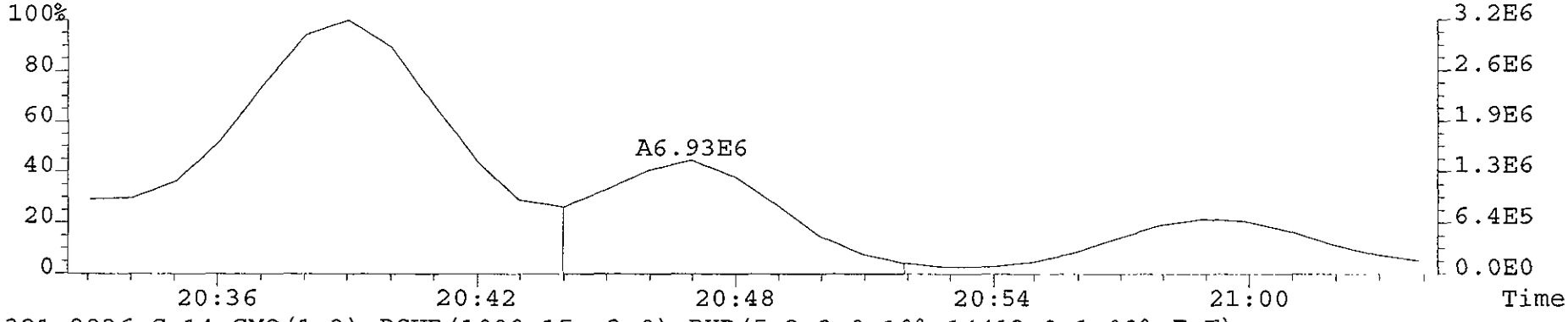


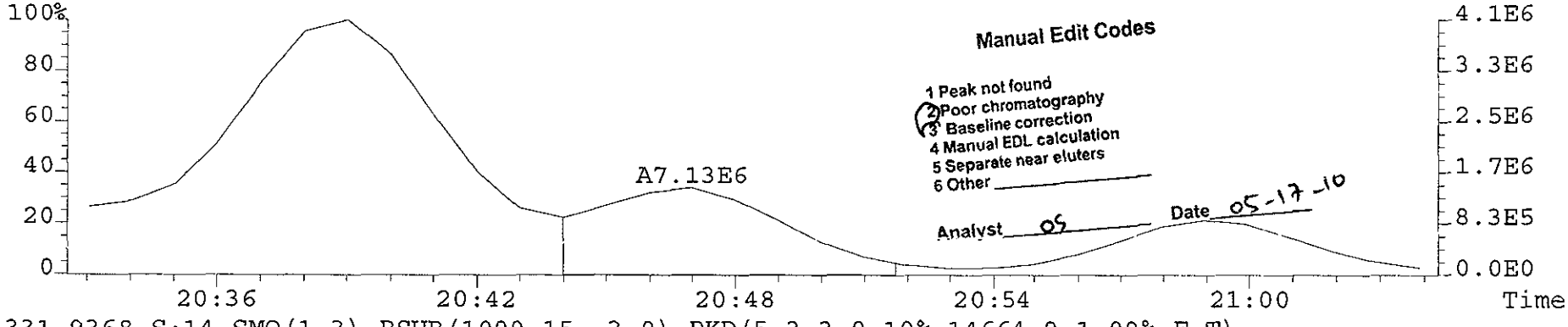






File:13MY104D5 #1-522 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

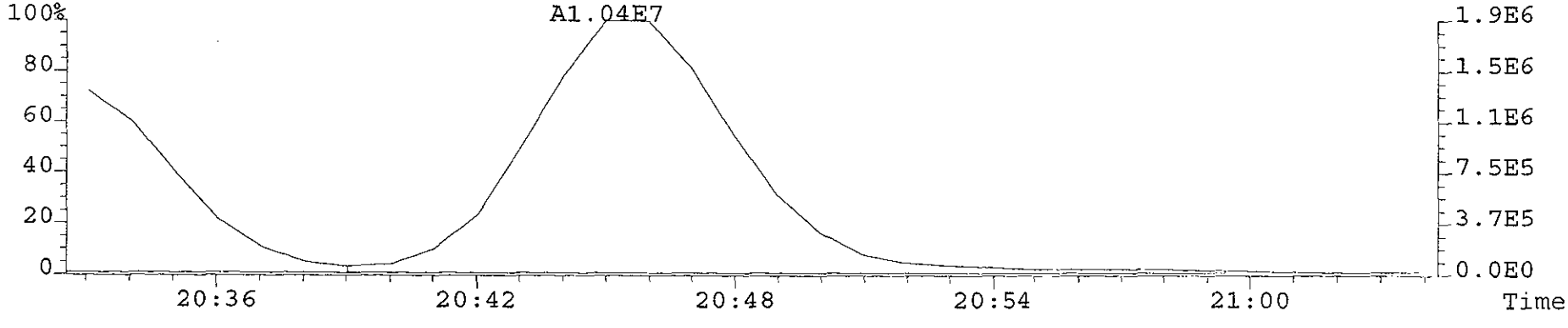




Manual Edit Codes

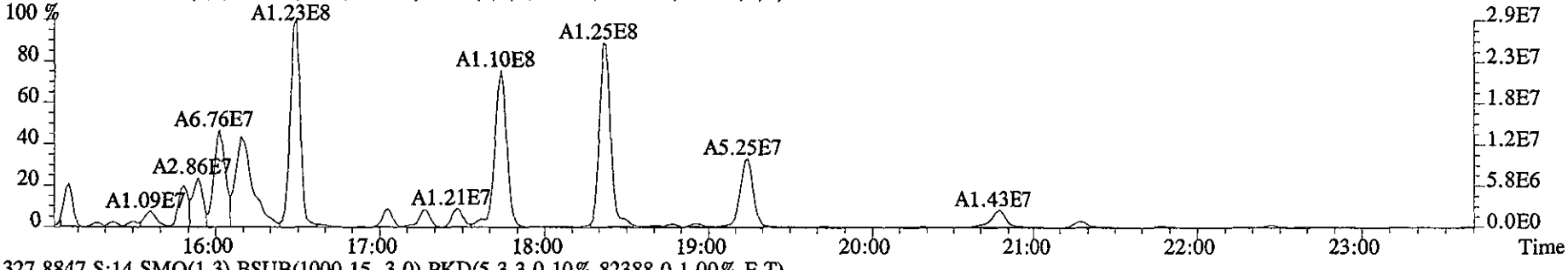
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst DS Date 05-17-10

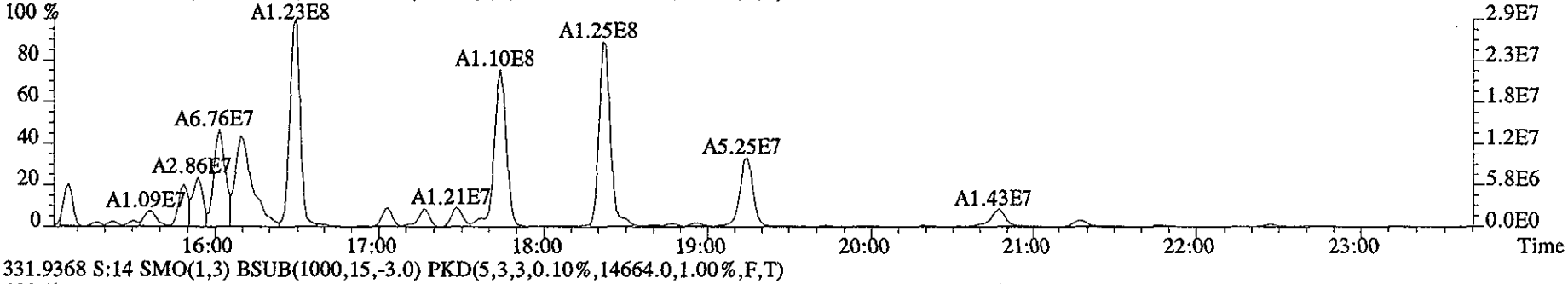


File:13MY104D5 #1-522 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

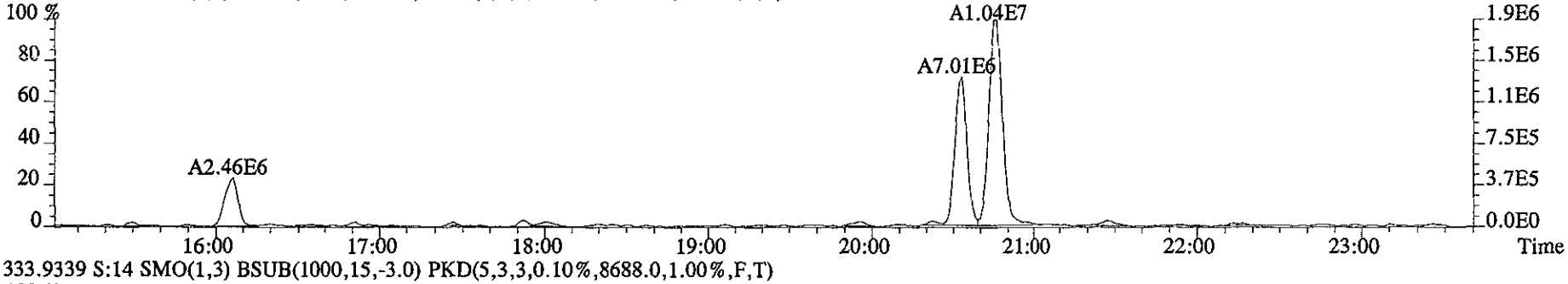
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,82388.0,1.00%,F,T)



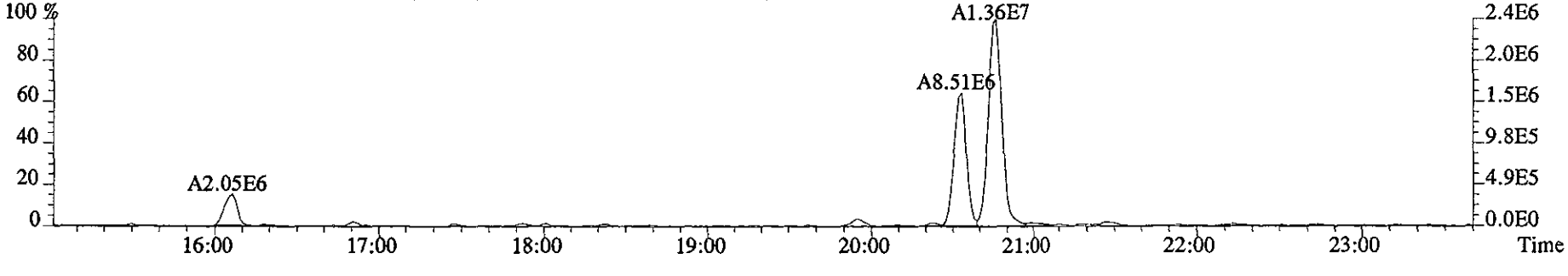
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,82388.0,1.00%,F,T)



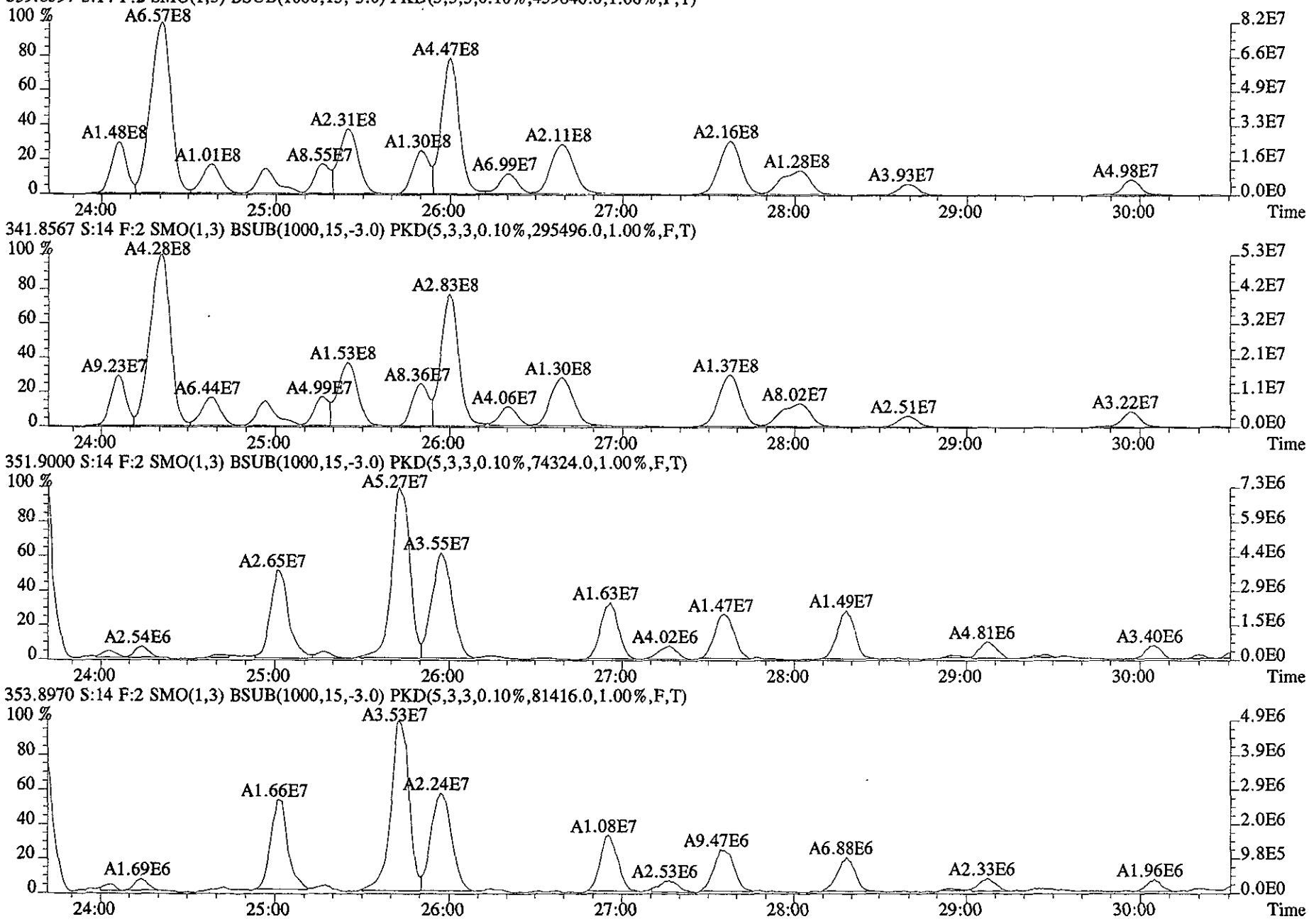
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14664.0,1.00%,F,T)



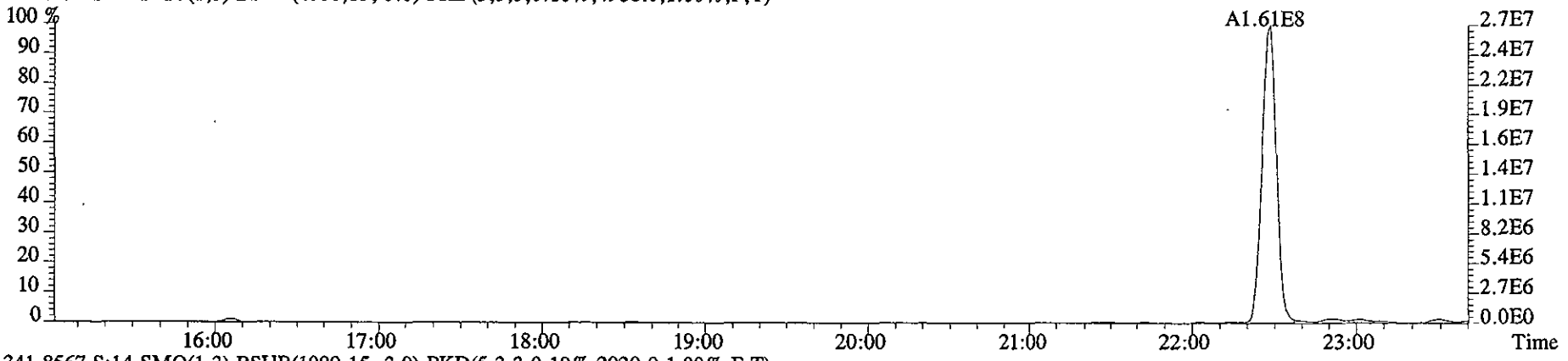
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8688.0,1.00%,F,T)



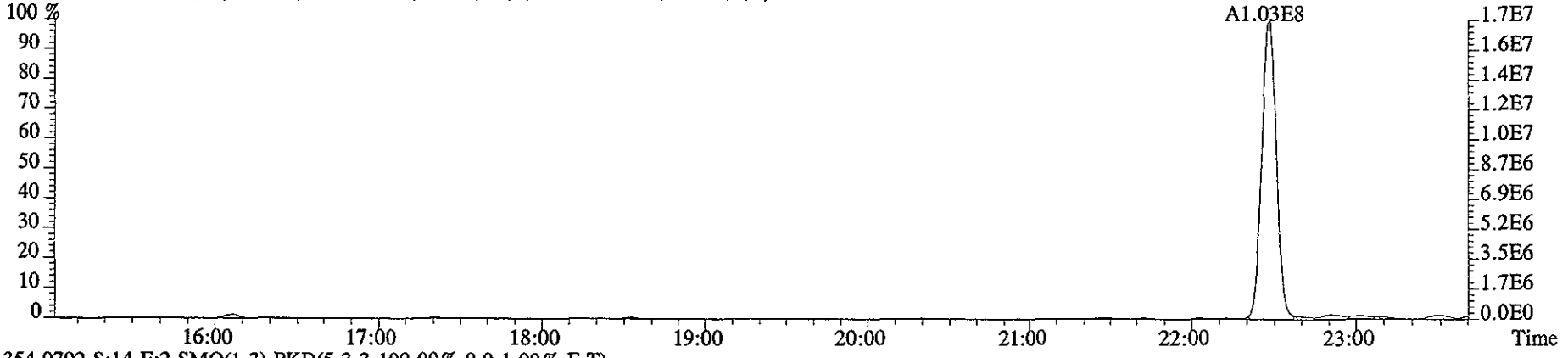
File:13MY104D5 #1-544 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A



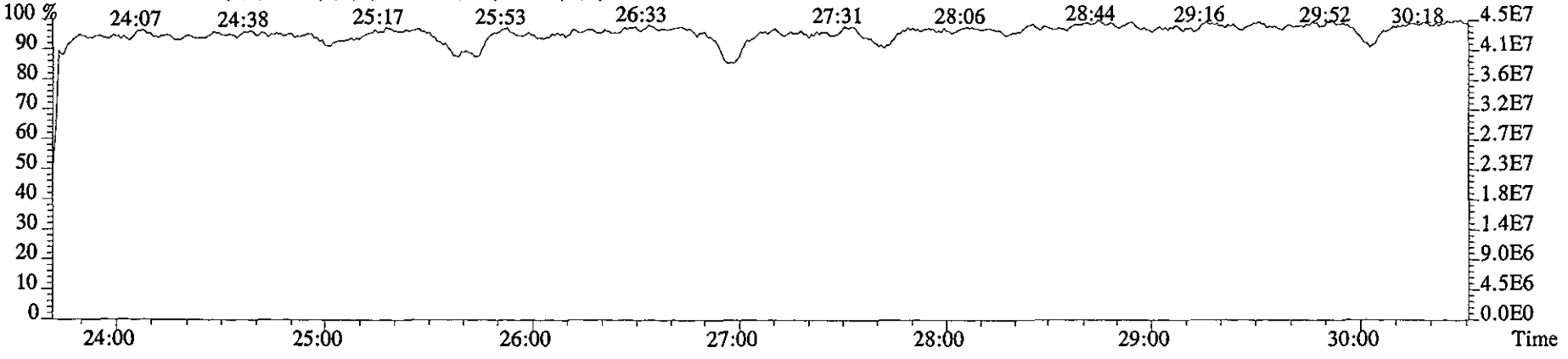
File:13MY104D5 #1-522 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A
339.8597 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)



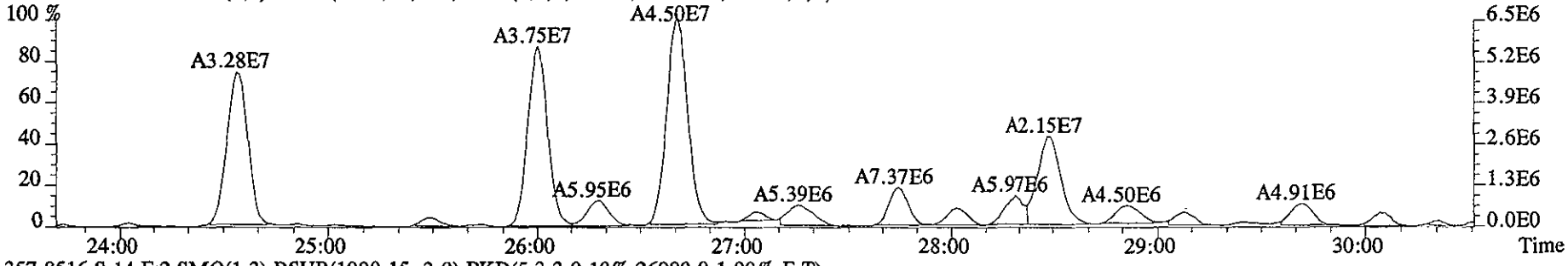
341.8567 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2920.0,1.00%,F,T)



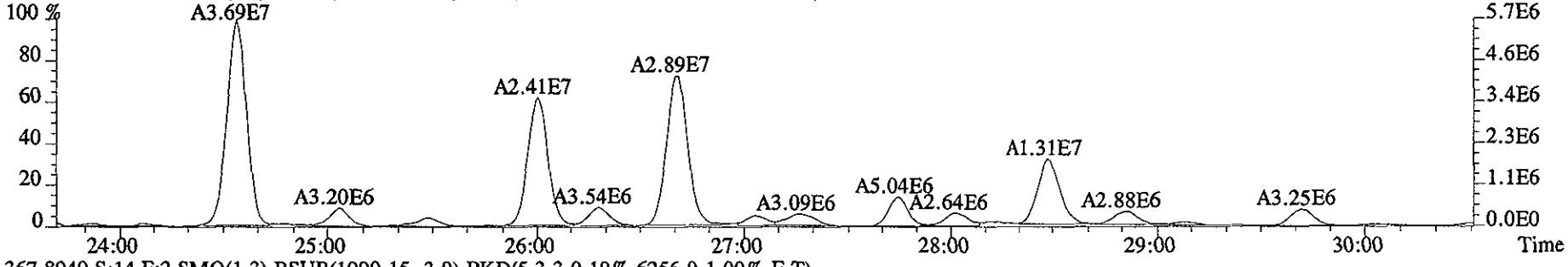
354.9792 S:14 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



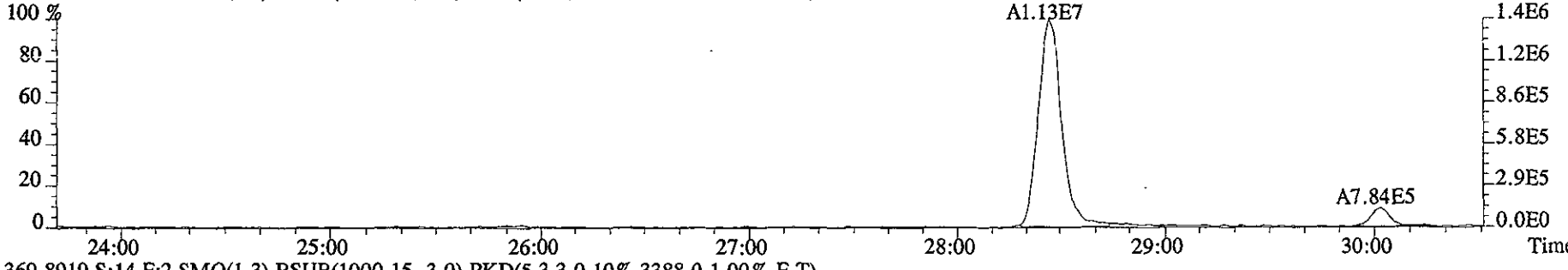
File:13MY104D5 #1-544 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A
355.8546 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,102704.0,1.00%,F,T)



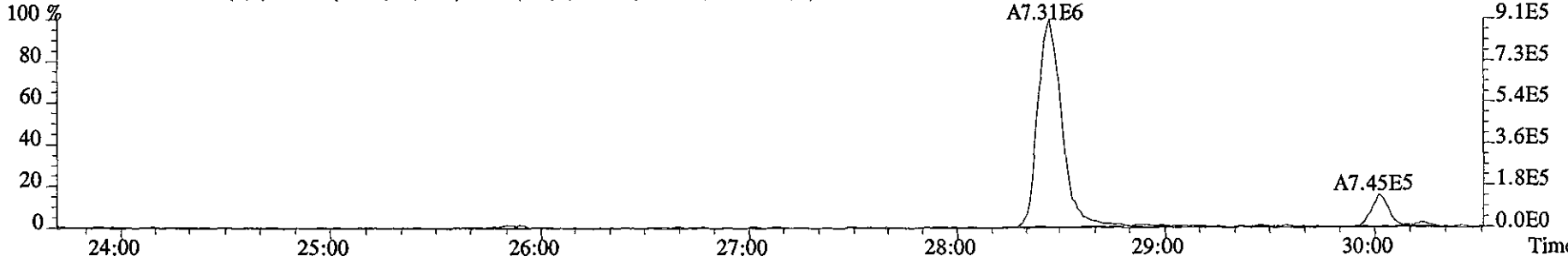
357.8516 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26980.0,1.00%,F,T)



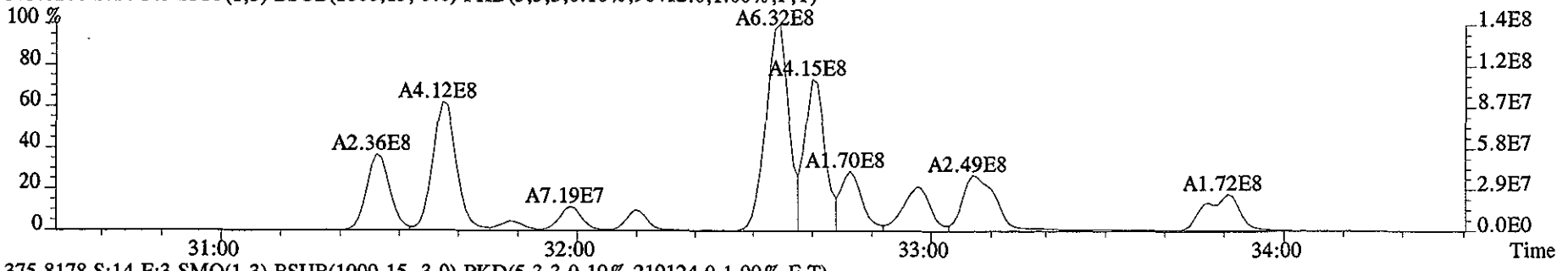
367.8949 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)

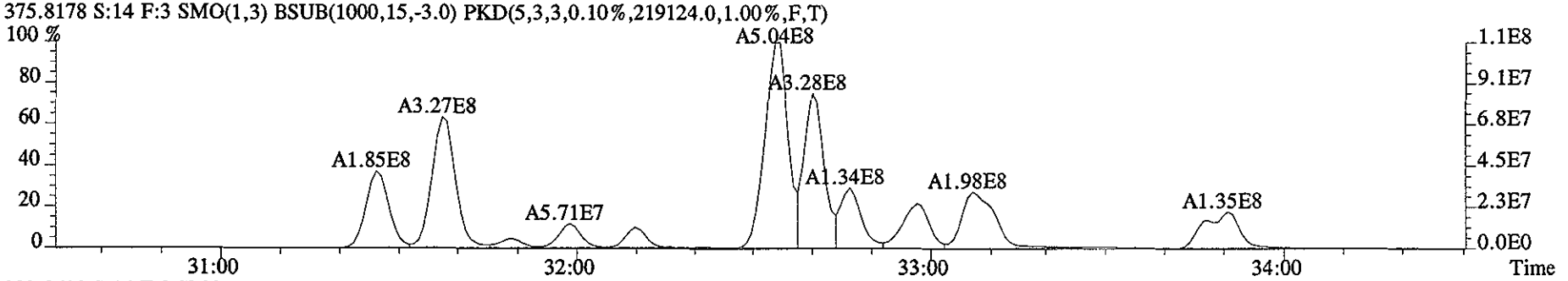


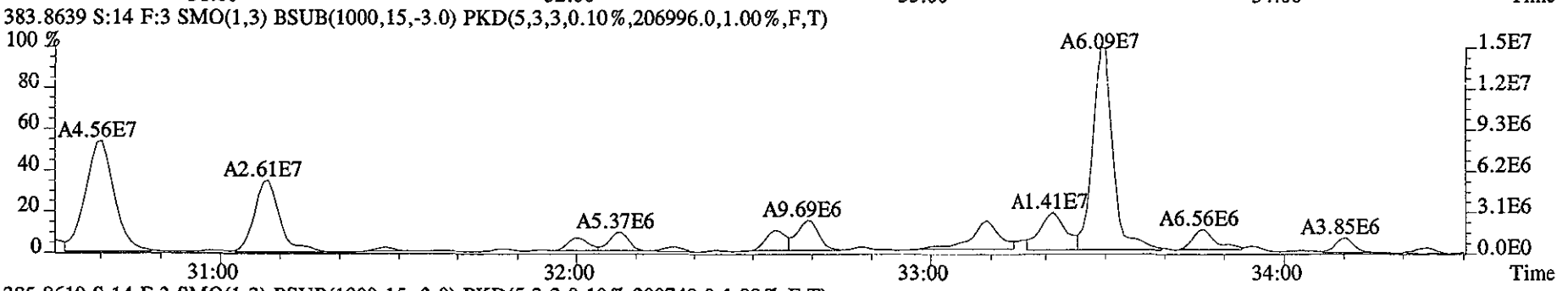
369.8919 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3388.0,1.00%,F,T)

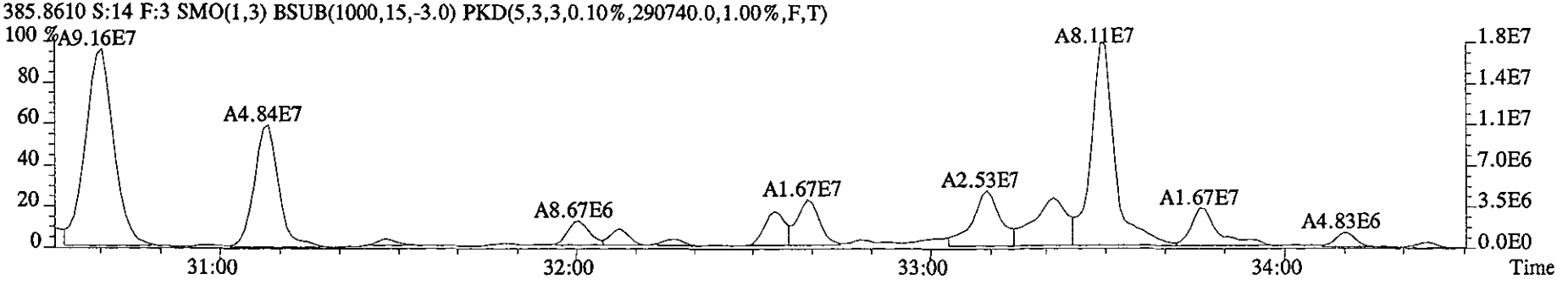


File:13MY104D5 #1-301 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A



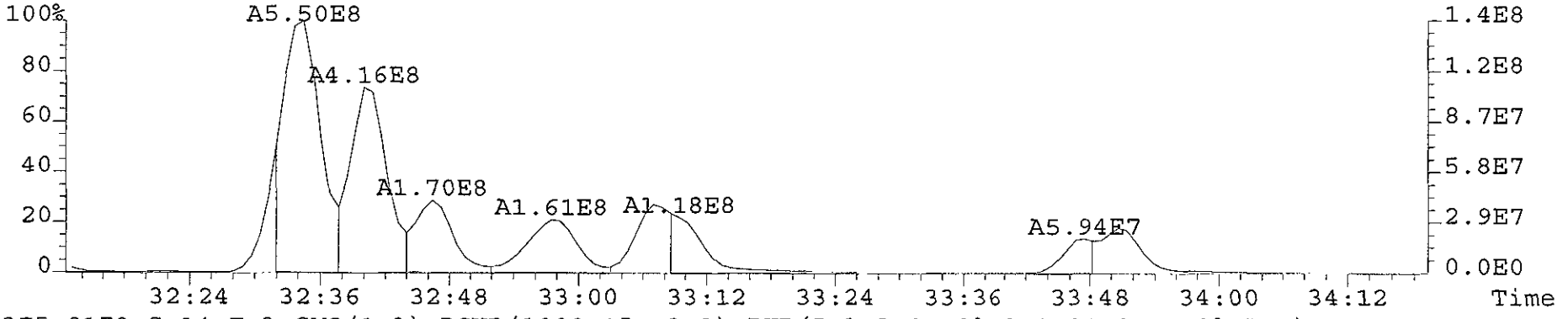




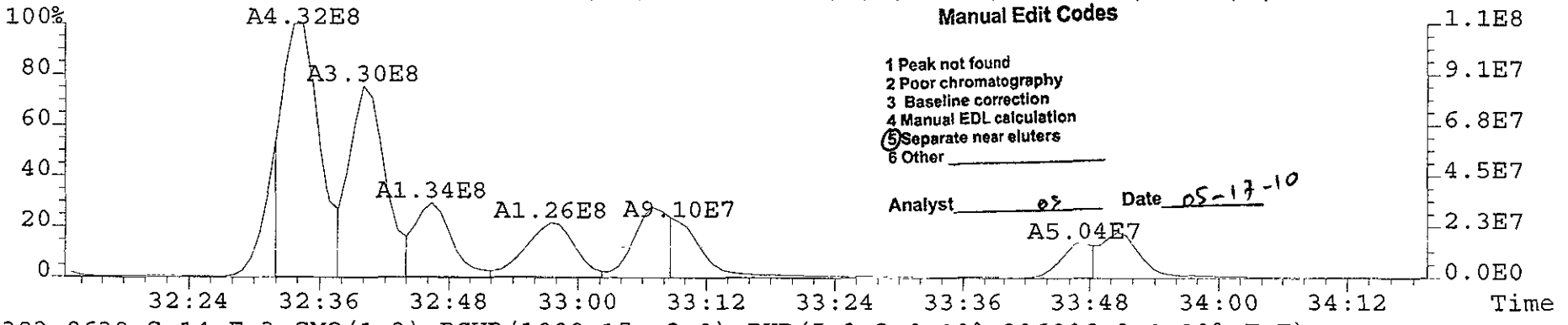


File:13MY104D5 #1-301 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15 Exp:DIOXINRES8290A

373.8208 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96412.0,1.00%,F,T)



375.8178 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,219124.0,1.00%,F,T)

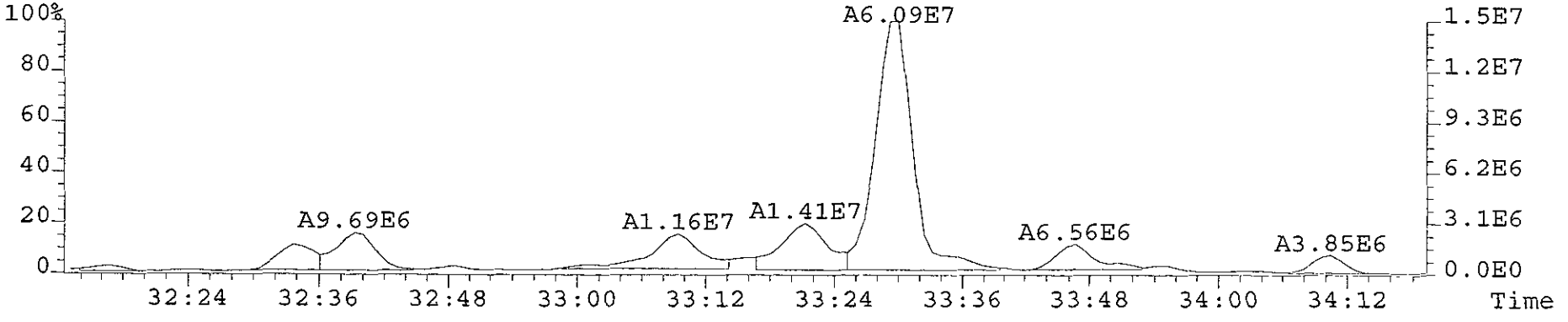


Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

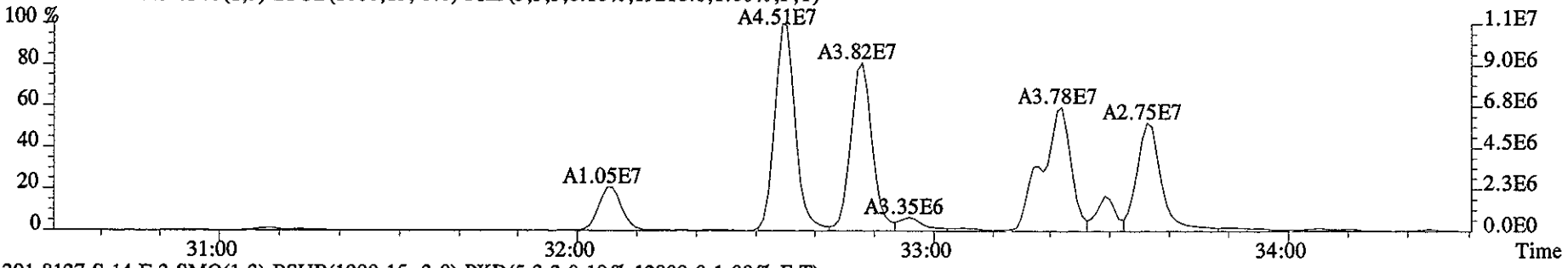
Analyst os Date 05-17-10

383.8639 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,206996.0,1.00%,F,T)

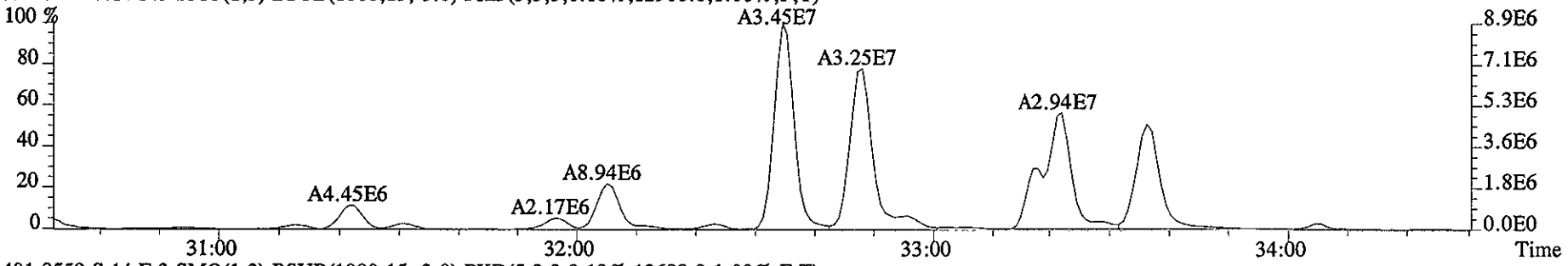


File:13MY104D5 #1-301 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19216.0,1.00%,F,T)

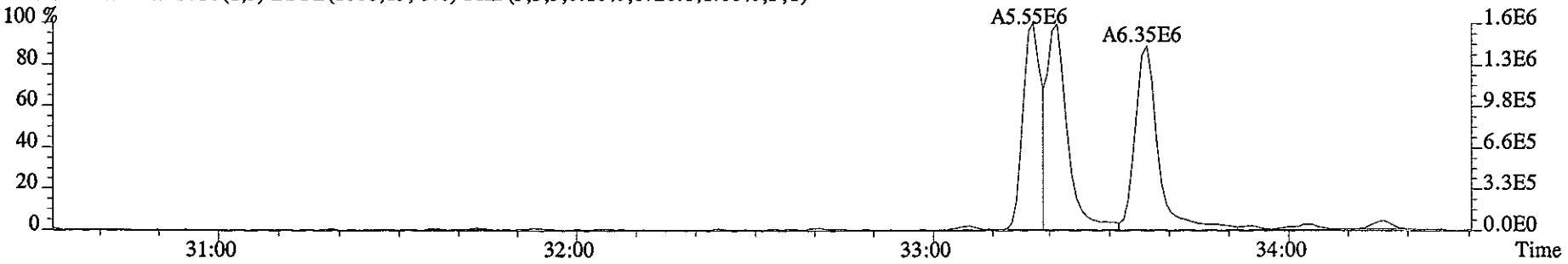


391.8127 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12900.0,1.00%,F,T)

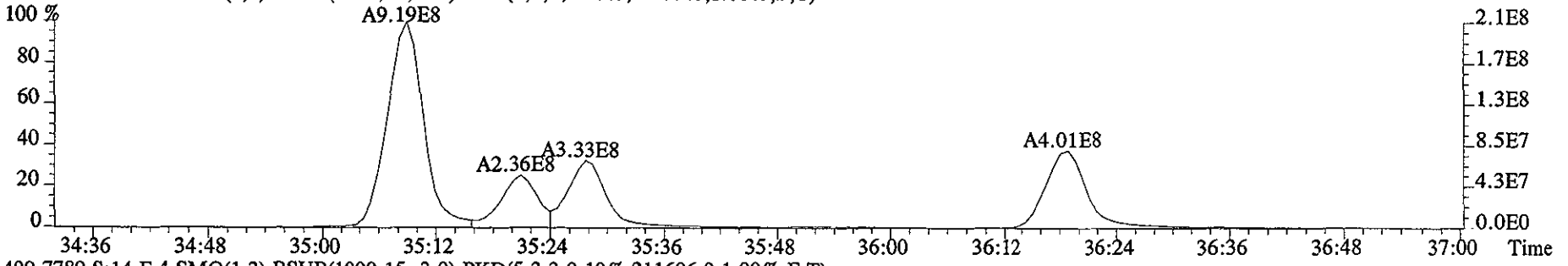


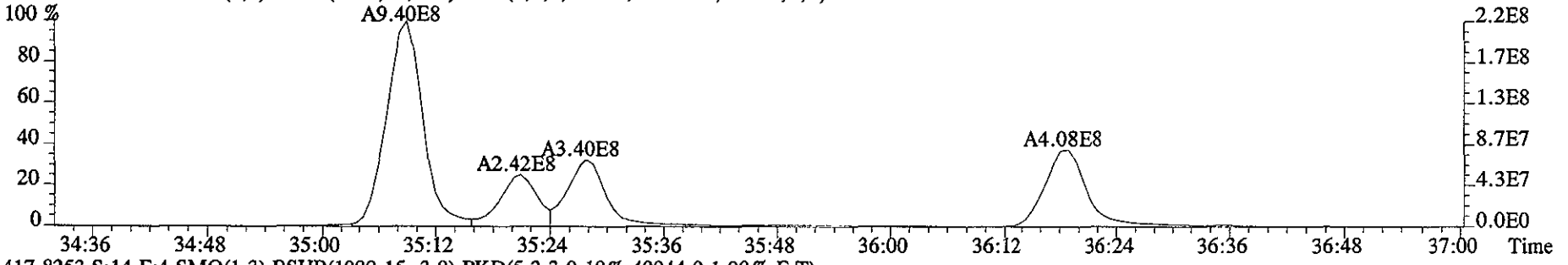
401.8559 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13688.0,1.00%,F,T)

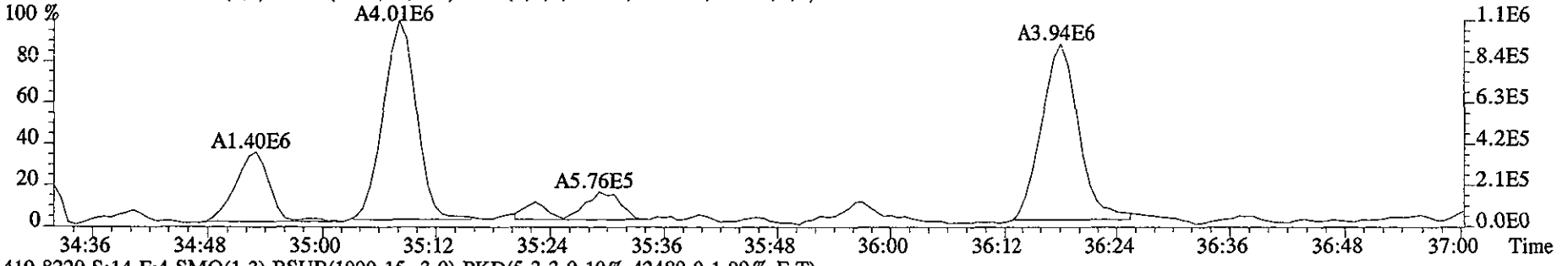
403.8529 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8728.0,1.00%,F,T)

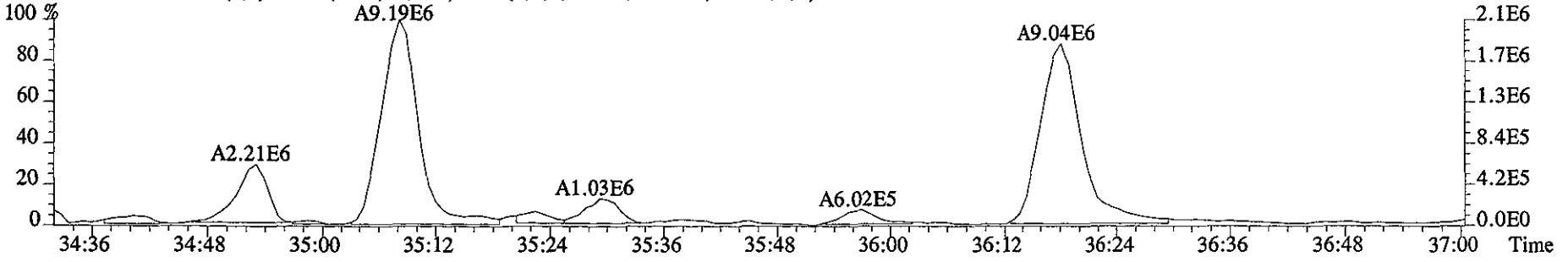


File:13MY104D5 #1-198 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

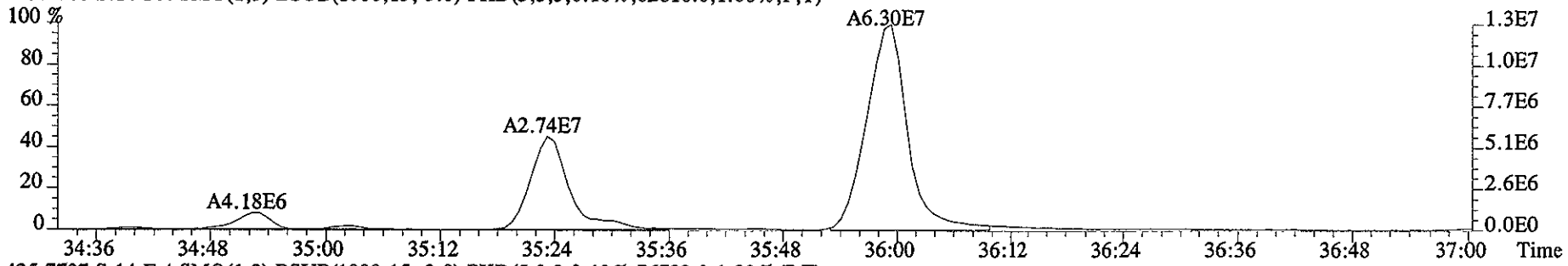




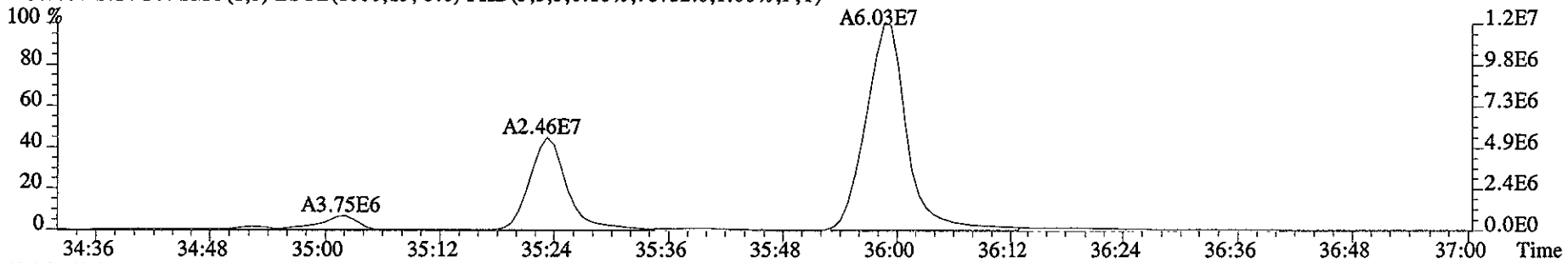




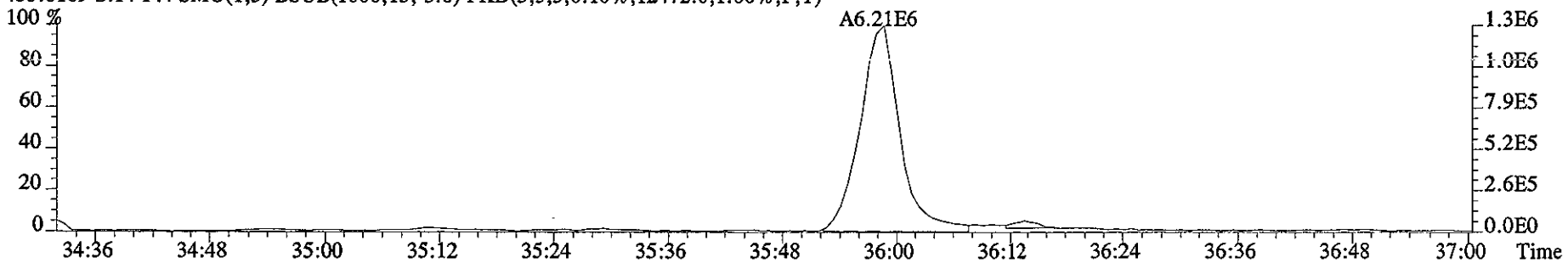
File:13MY104D5 #1-198 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A
423.7766 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,82816.0,1.00%,F,T)



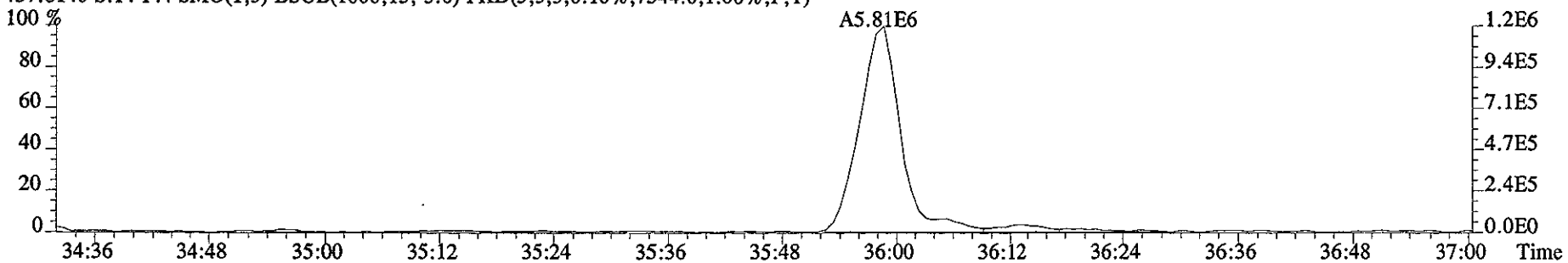
425.7737 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76732.0,1.00%,F,T)



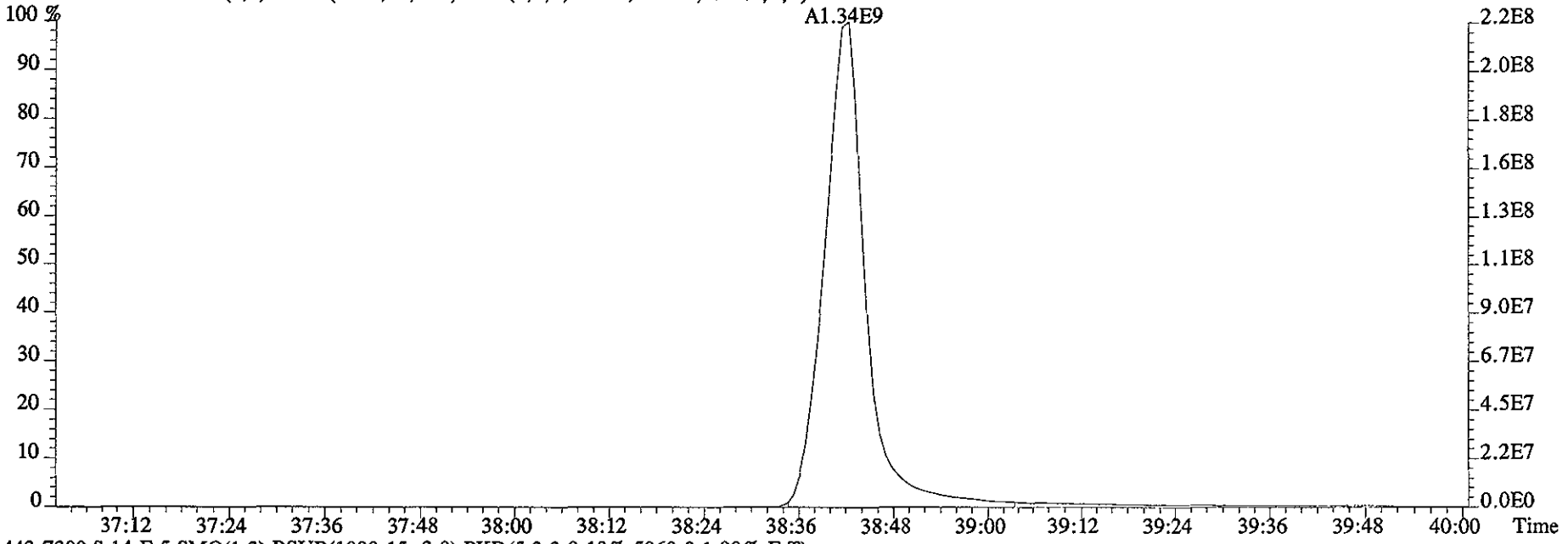
435.8169 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12472.0,1.00%,F,T)



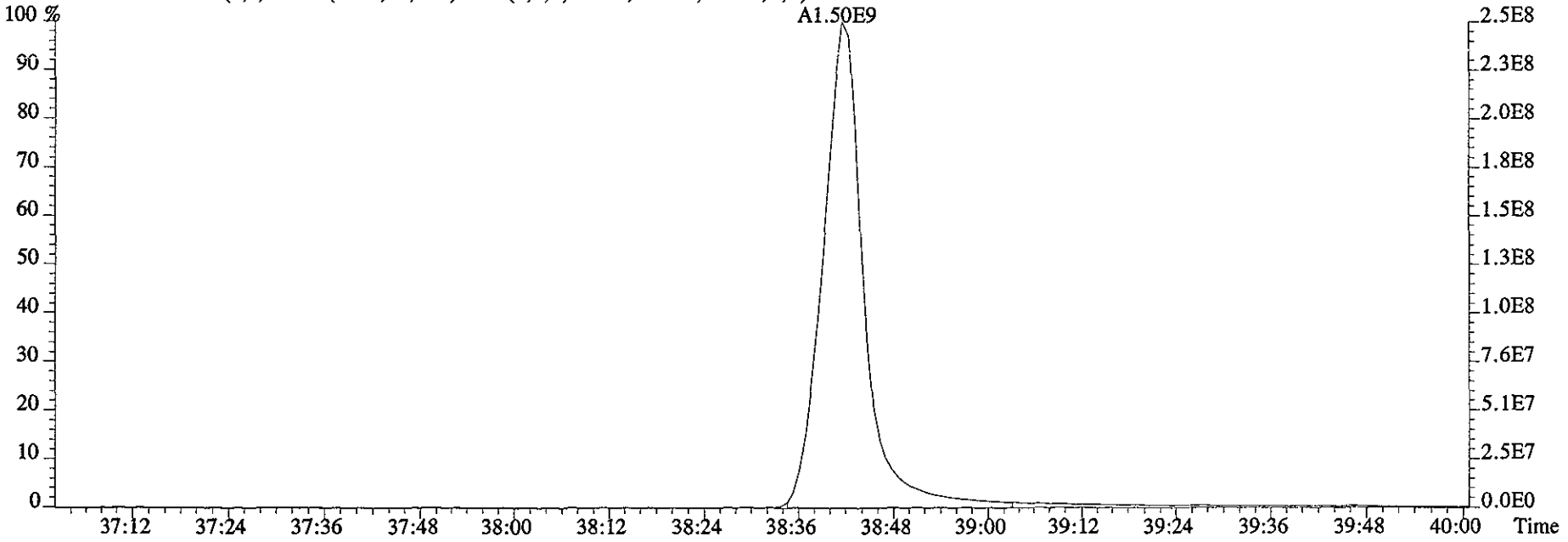
437.8140 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7544.0,1.00%,F,T)



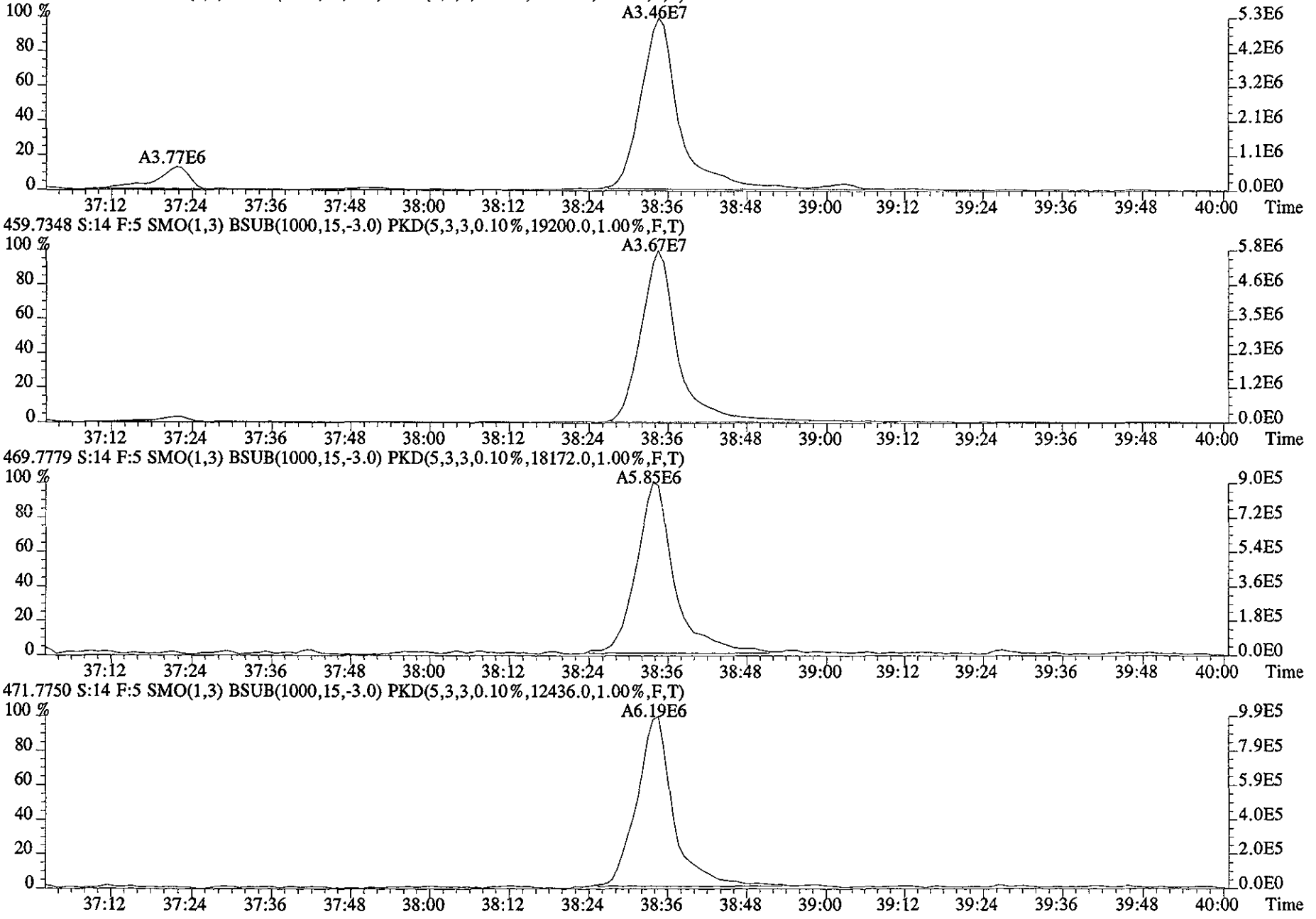
File:13MY104D5 #1-229 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A
441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4736.0,1.00%,F,T)



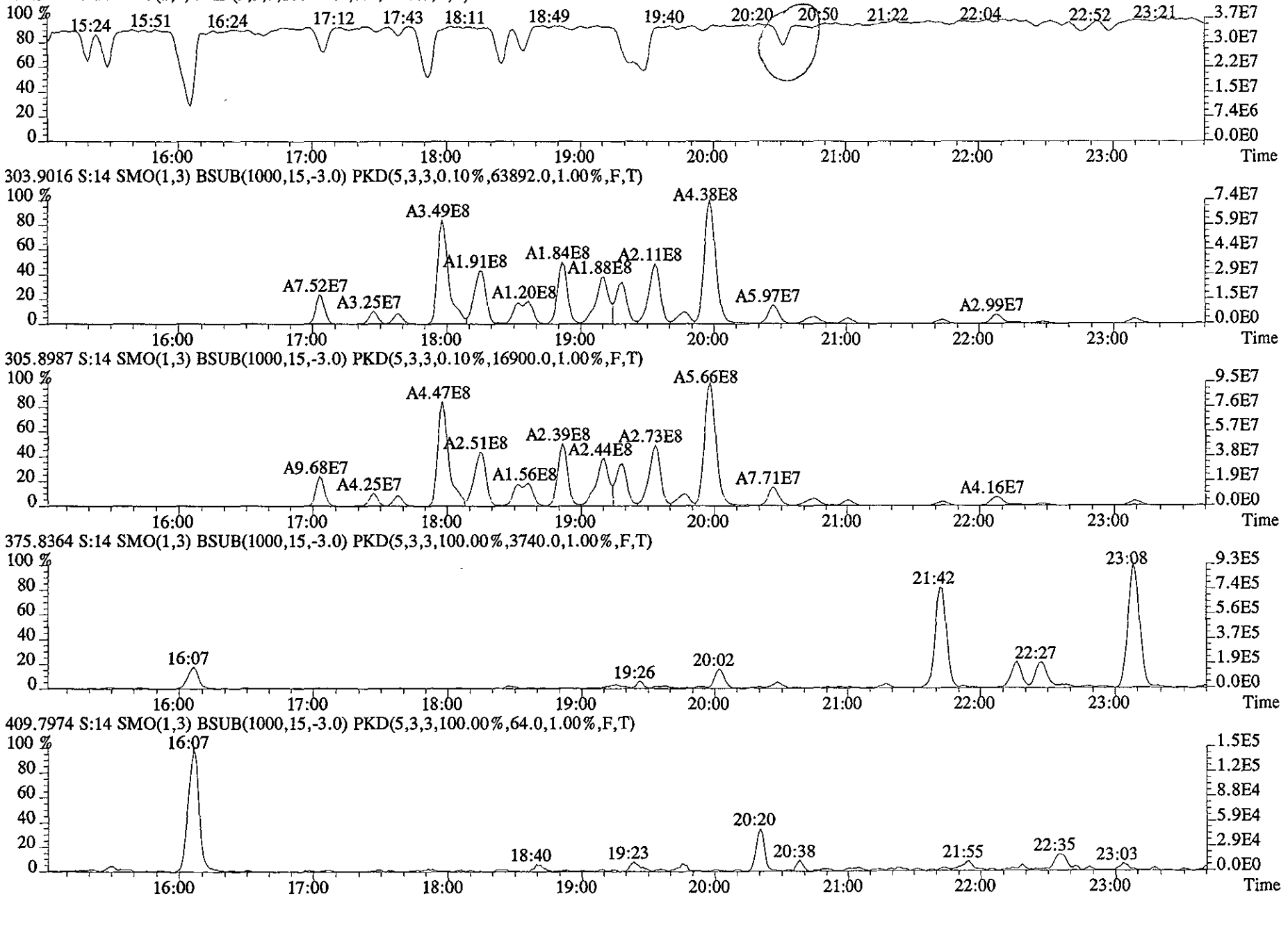
443.7399 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5060.0,1.00%,F,T)



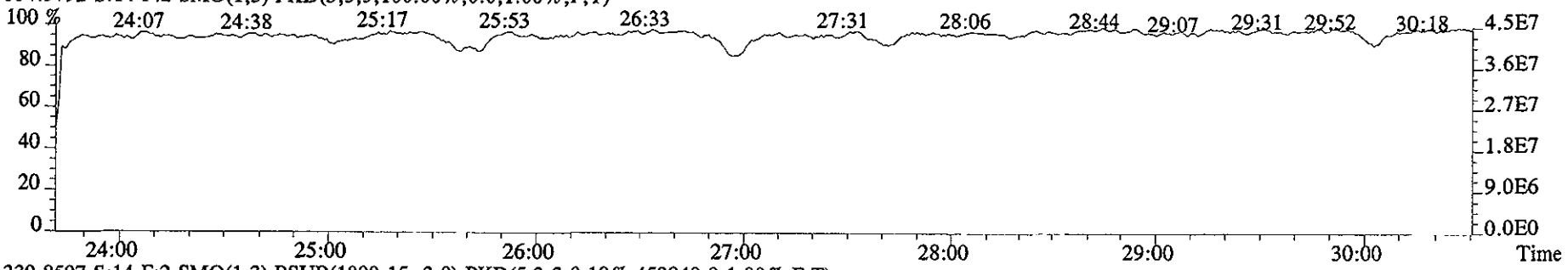
File:13MY104D5 #1-229 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

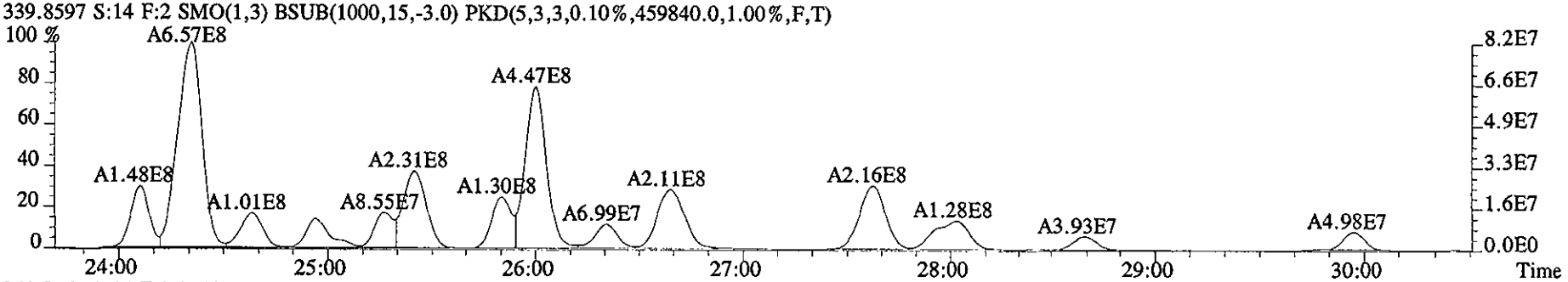


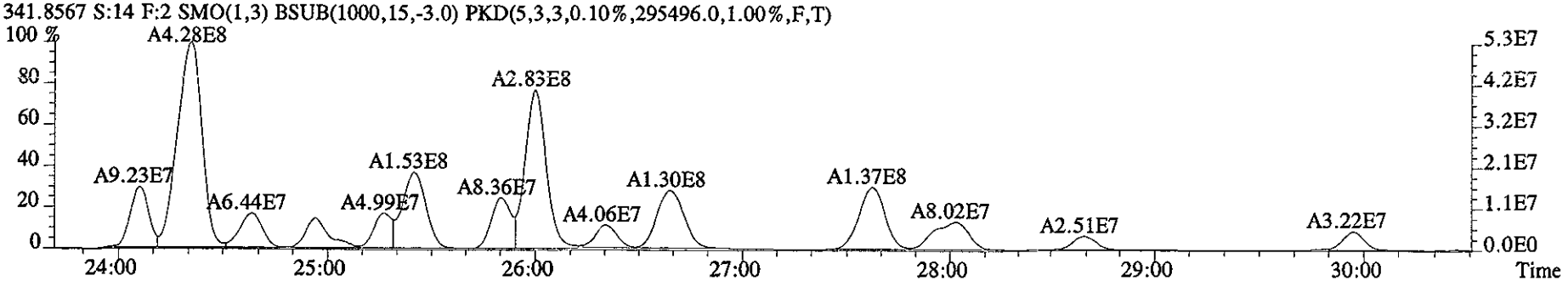
File:13MY104D5 #1-522 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

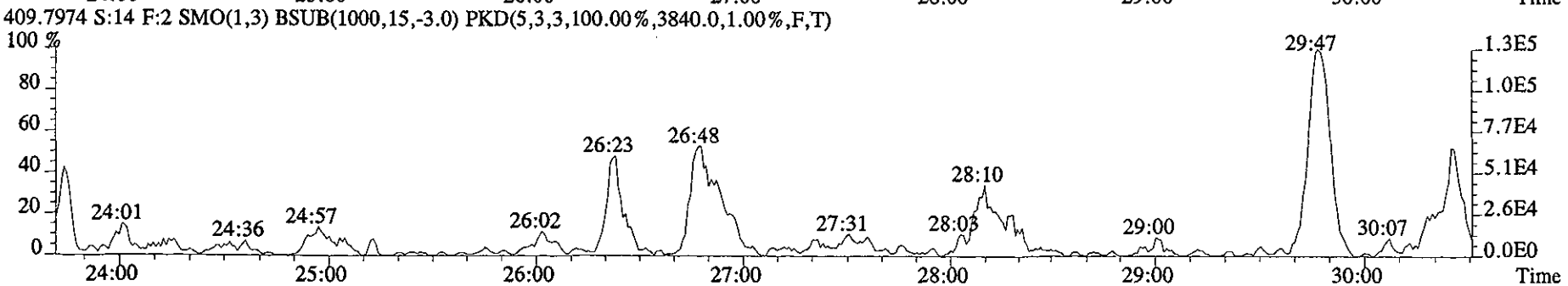


File:13MY104D5 #1-544 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

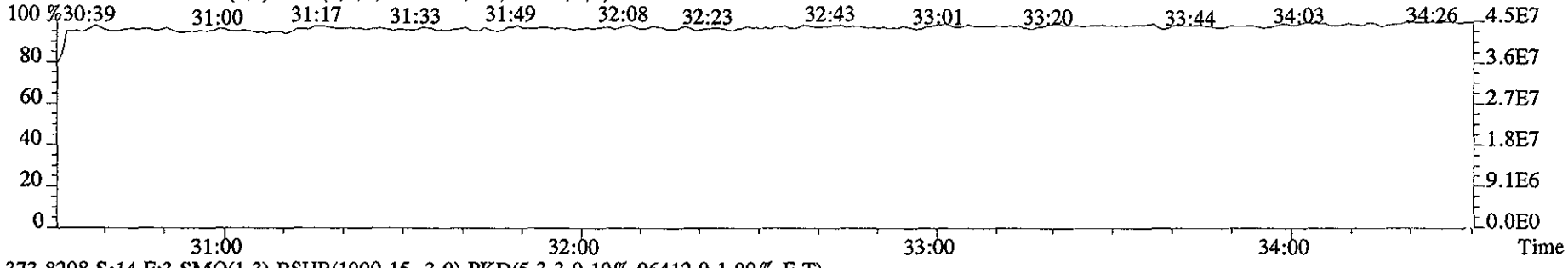


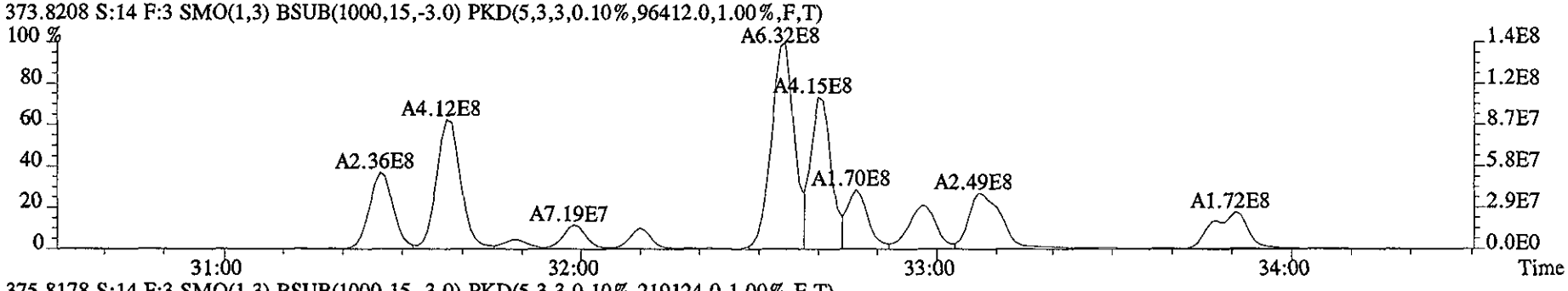


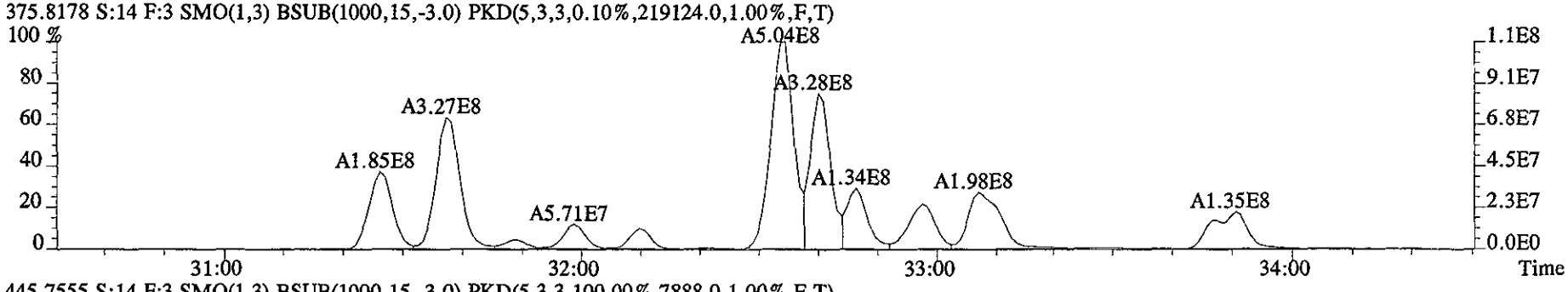


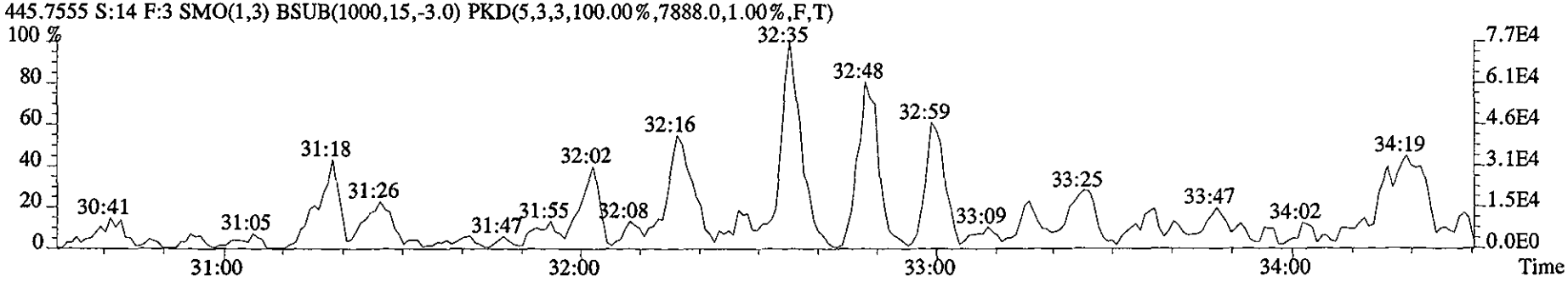


File:13MY104D5 #1-301 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

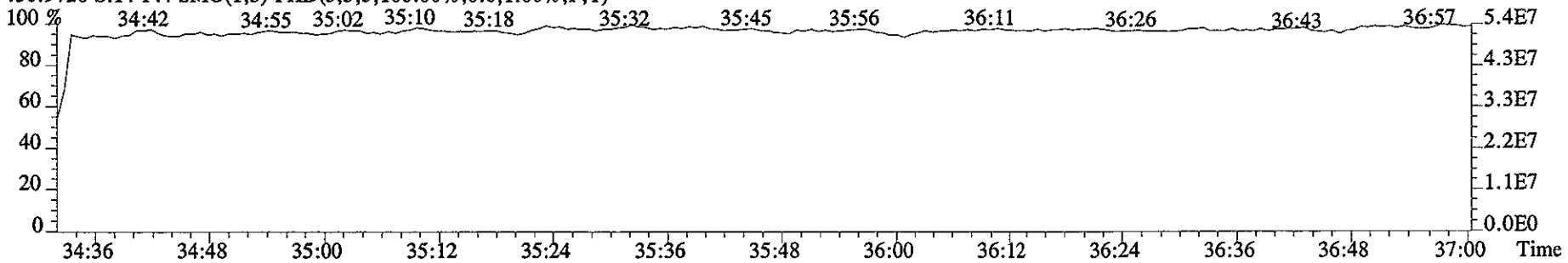


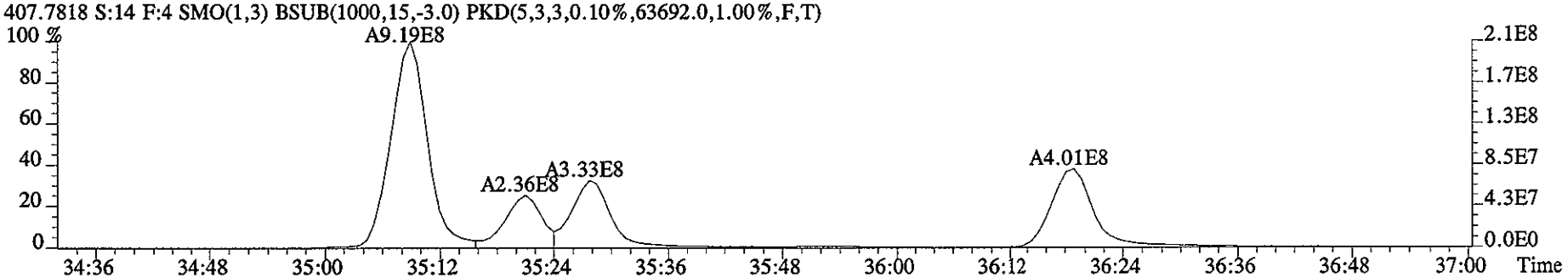


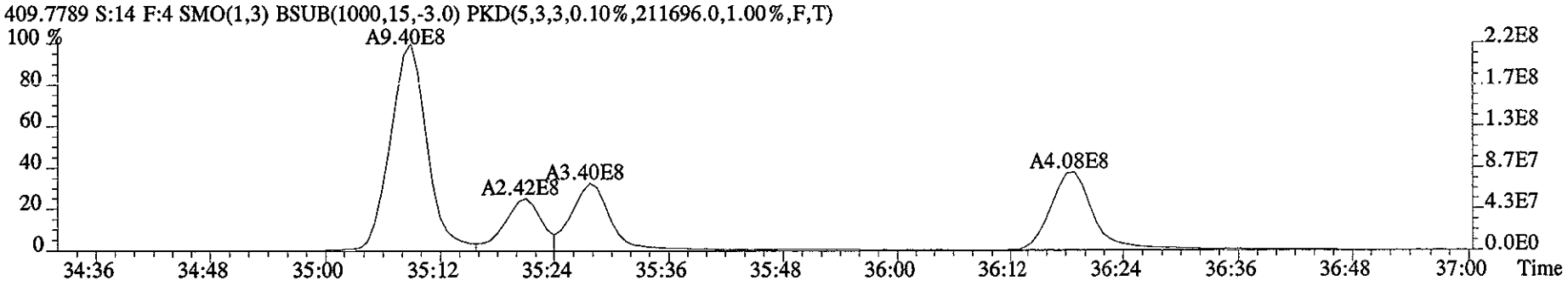


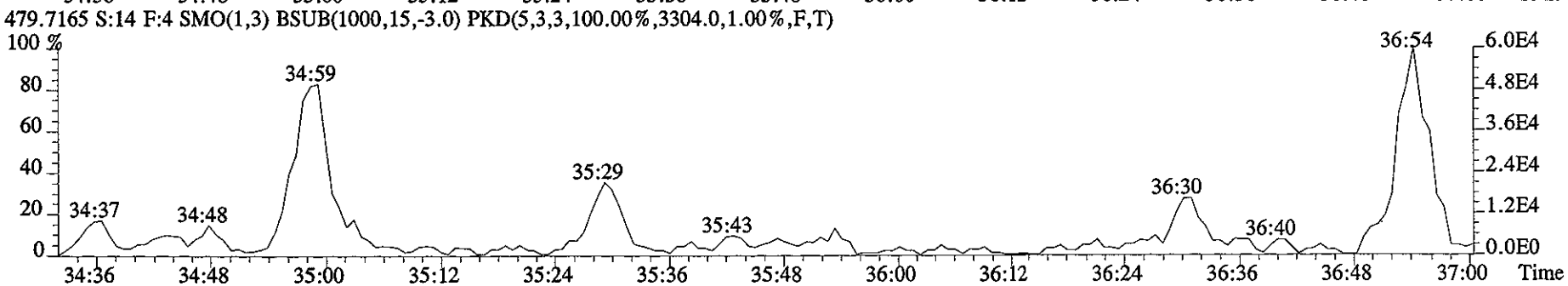


File:13MY104D5 #1-198 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

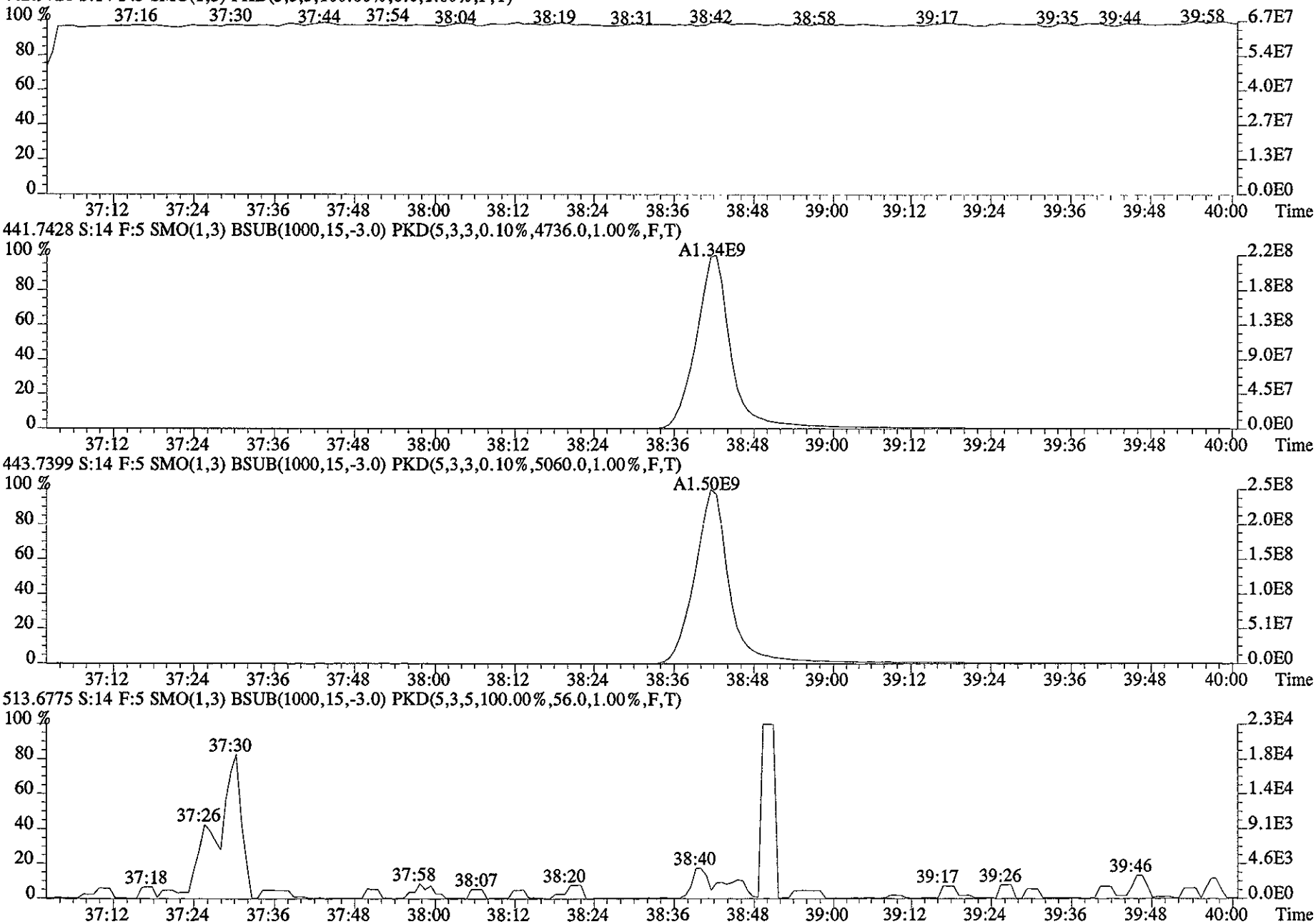








File:13MY104D5 #1-229 Acq:13-MAY-2010 20:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LX5X6-1-AE :G0D170485-15(20X)RI Exp:DIOXINRES8290A

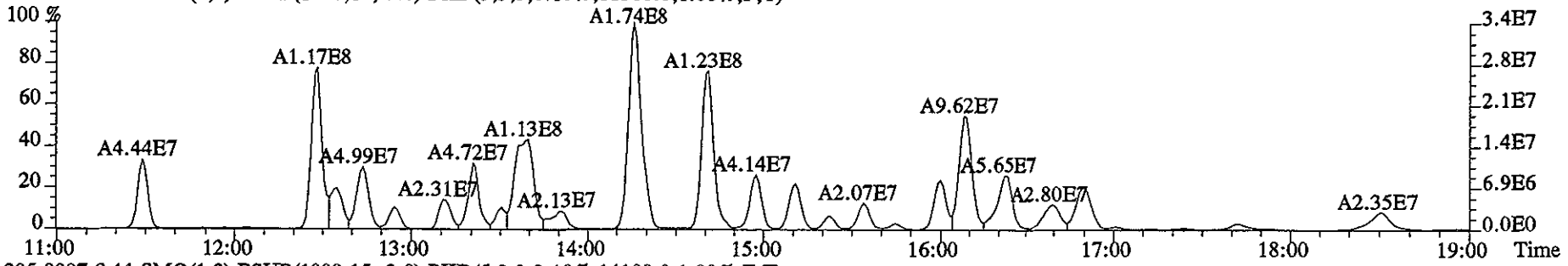


Run text: LX5X6-1-AE Sample text: LX5X6-1-AE :G0D170485-15RI [20X]
Run #15 Filename: 11MY10B5D2 S: 11 I: 1 Results: 11MY10B5D2DB225
Acquired: 11-MAY-10 16:39:18 Processed: 11-MAY-10 17:08:38
Run: 11MY10B5D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.2400 g

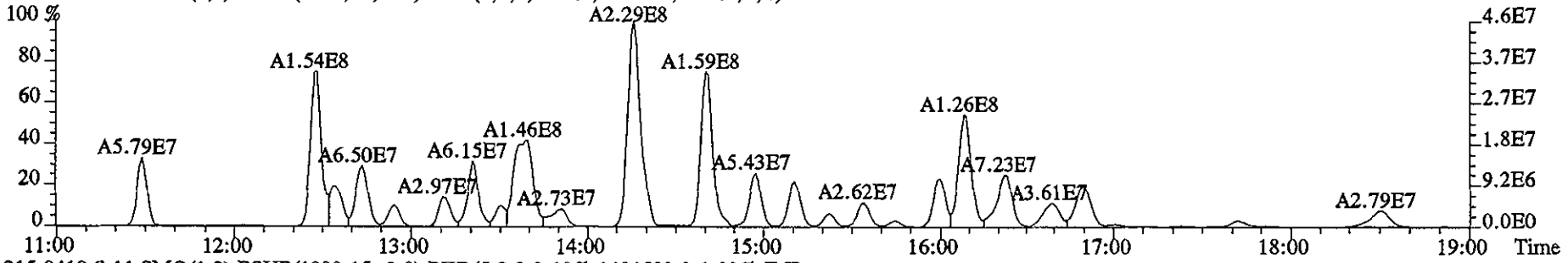
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	9810564	0.73	y	14:58	-	0.96	-	-	n
13C-2,3,7,8-TCDF	14927097	0.77	y	16:08	2.11	70.54	213.68	36.1	n
2,3,7,8-TCDF	222349832	0.76	y	16:08	1.09	2672.89	3.57	-	n
13C-2,3,7,8-TCDD	13852181	0.75	y	14:42	0.95	145.38	8.65	74.4	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.36	*	8.17	-	n
37Cl-2,3,7,8-TCDD	14111057	1.00	y	14:43	2.28	61.66	2.68	78.9	n

05
05-17-10

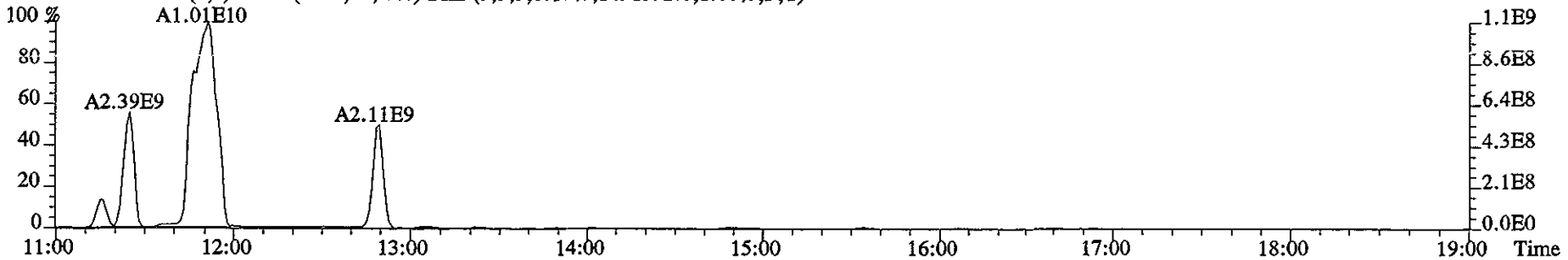
File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 16:39:18 GC EI+ Voltage SIR 70SE
Sample#11 Text:LX5X6-1-AE :G0D170485-15RI [20X] Exp:DB225RES
303.9016 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11500.0,1.00%,F,T)



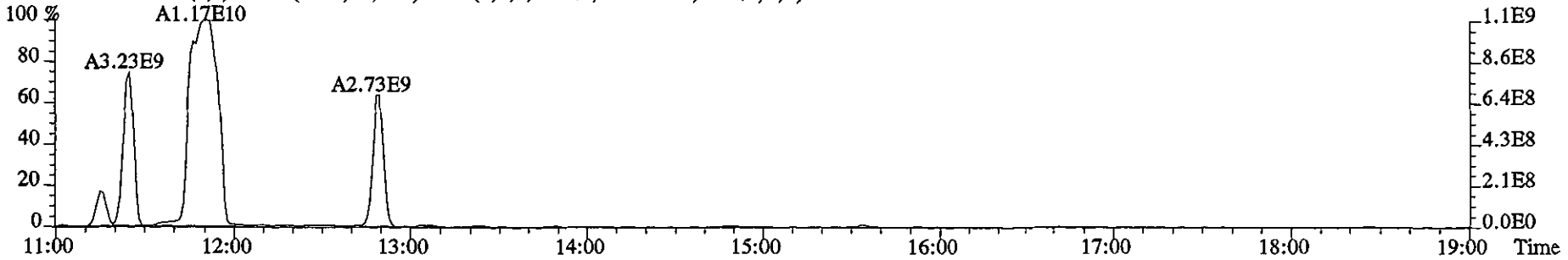
305.8987 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14108.0,1.00%,F,T)



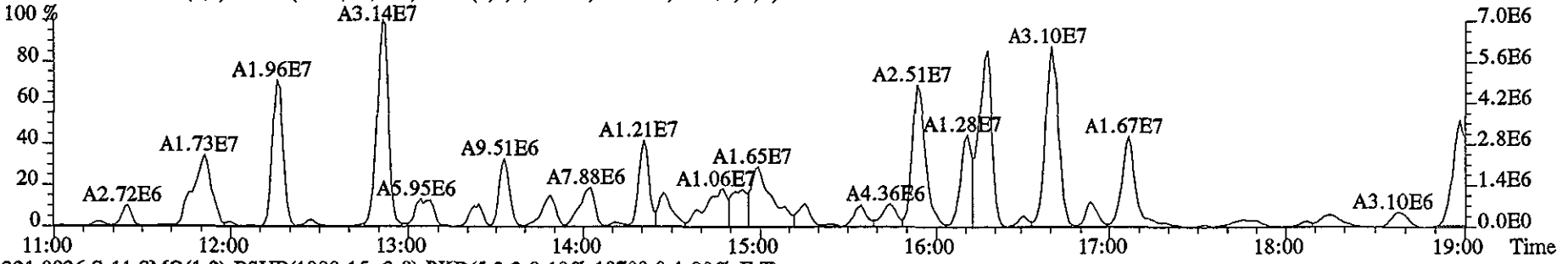
315.9419 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1491592.0,1.00%,F,T)



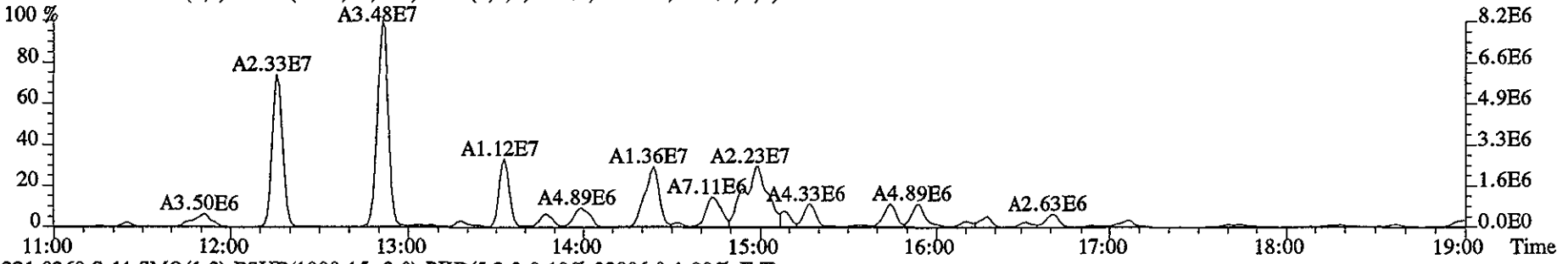
317.9389 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1936596.0,1.00%,F,T)



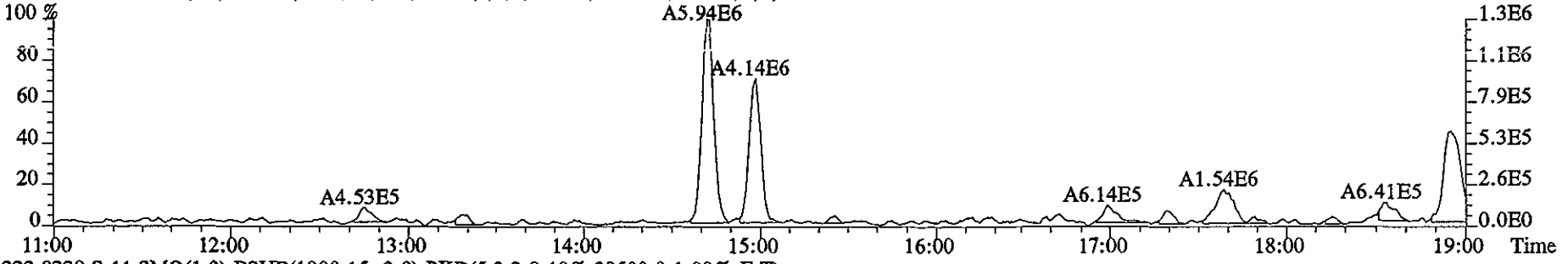
File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 16:39:18 GC EI+ Voltage SIR 70SE
Sample#11 Text:LX5X6-1-AE :G0D170485-15RI [20X] Exp:DB225RES
319.8965 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39216.0,1.00%,F,T)



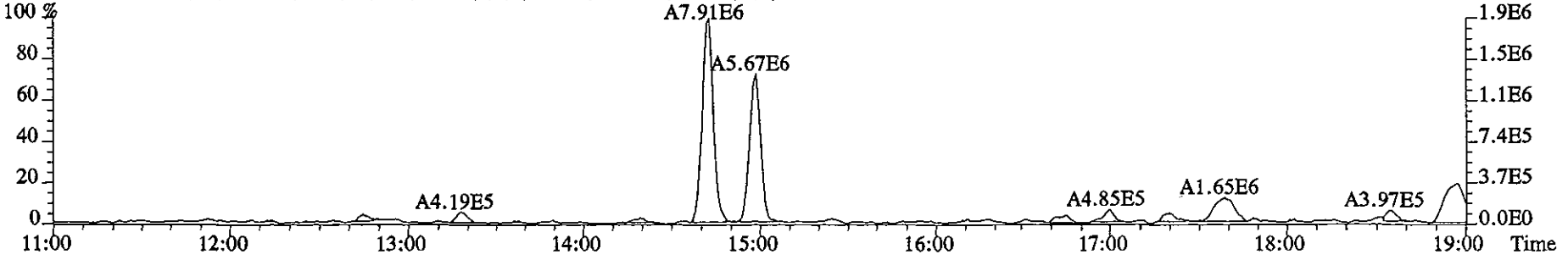
321.8936 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19708.0,1.00%,F,T)



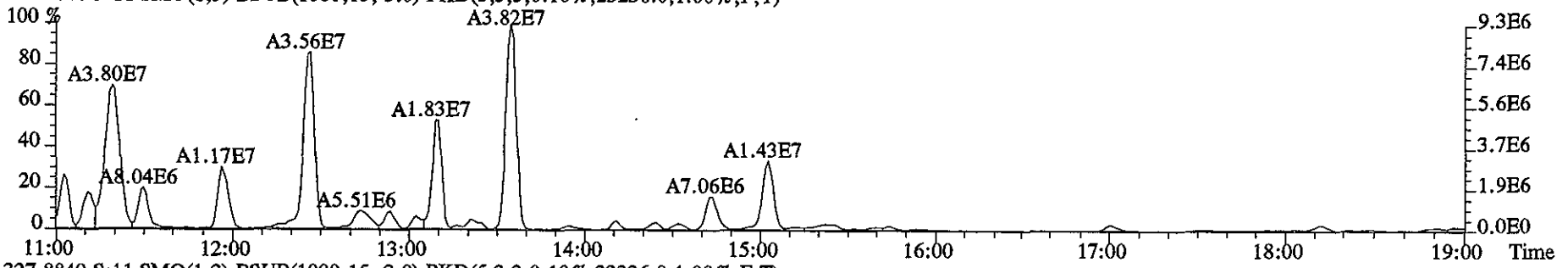
331.9368 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33896.0,1.00%,F,T)



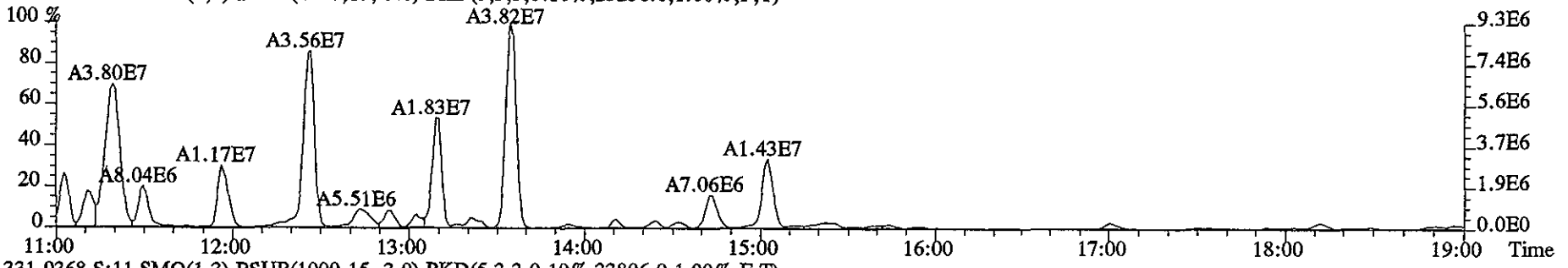
333.9339 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28580.0,1.00%,F,T)



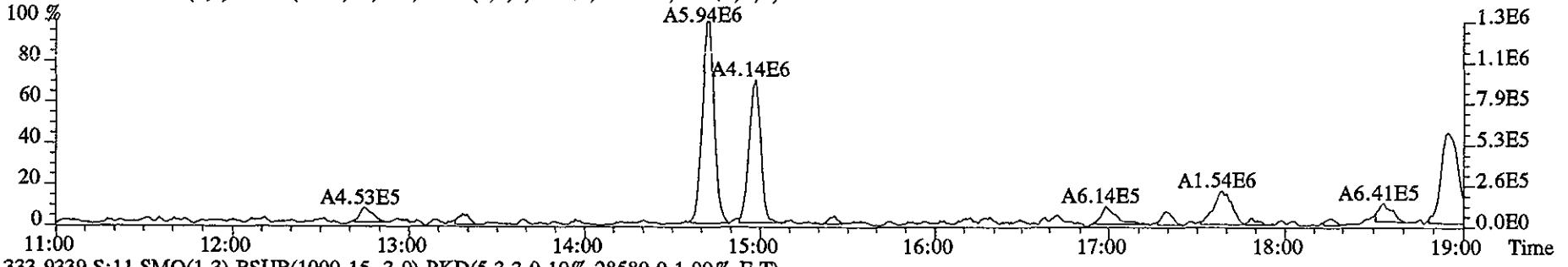
File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 16:39:18 GC EI+ Voltage SIR 70SE
Sample#11 Text:LX5X6-1-AE :G0D170485-15RI [20X] Exp:DB225RES
327.8840 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23236.0,1.00%,F,T)



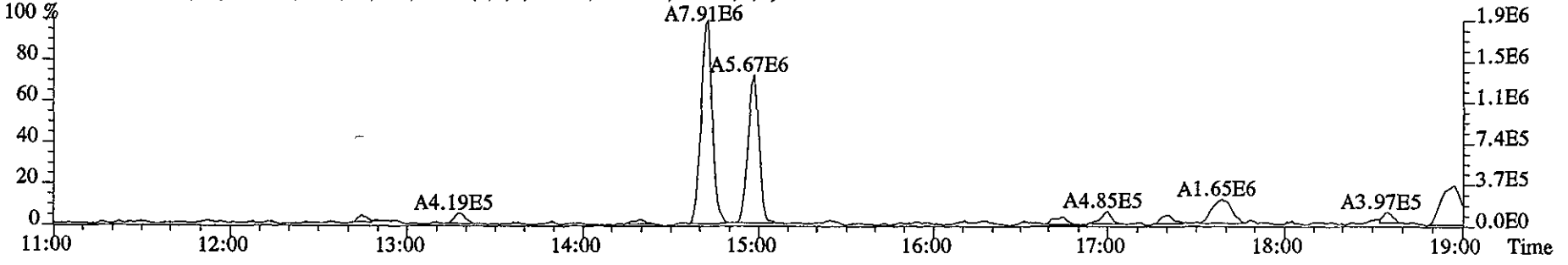
327.8840 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23236.0,1.00%,F,T)



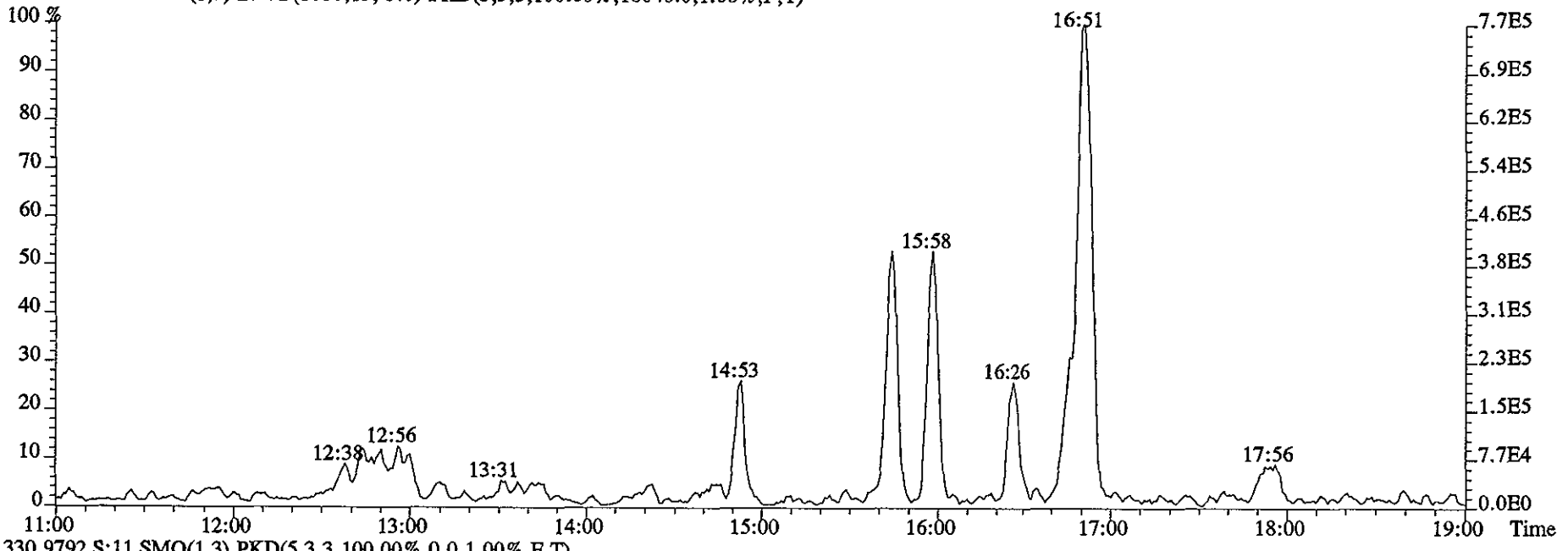
331.9368 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33896.0,1.00%,F,T)



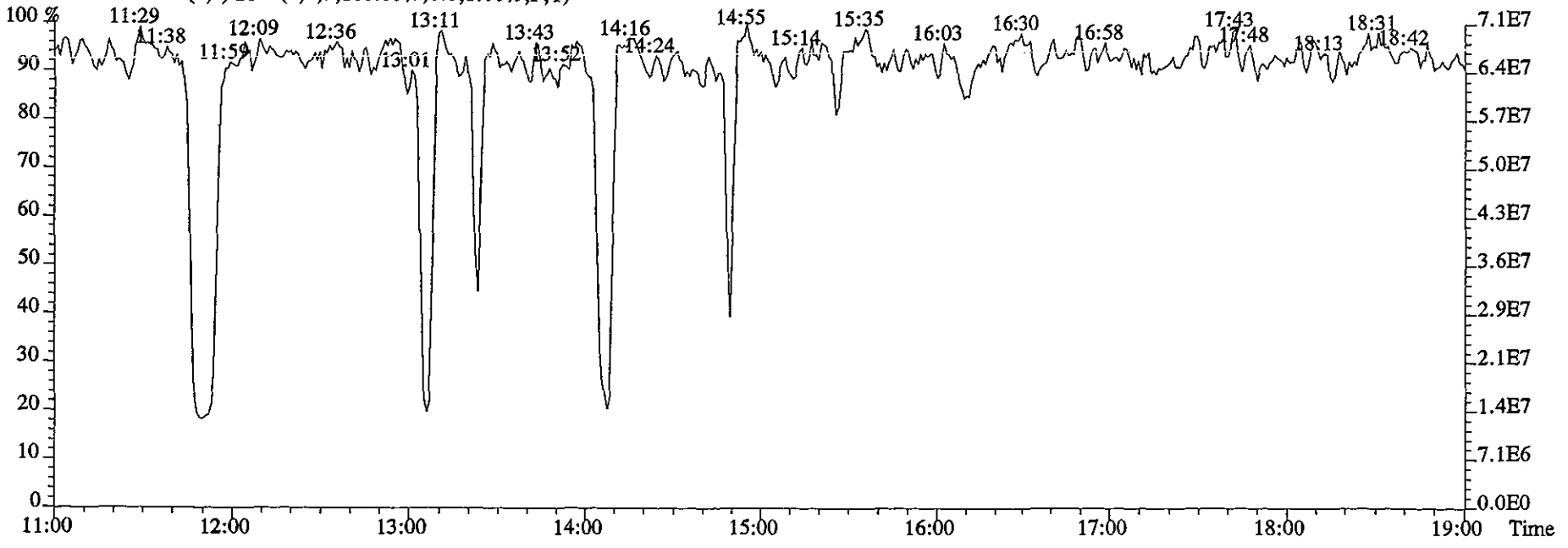
333.9339 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28580.0,1.00%,F,T)



File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 16:39:18 GC EI+ Voltage SIR 70SE
Sample#11 Text:LX5X6-1-AE :G0D170485-15RI [20X] Exp:DB225RES
375.8364 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,16048.0,1.00%,F,T)



330.9792 S:11 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX50A-1-AE Sample text: LX50A-1-AE :G0D170485-18
Run #42 Filename: 07MY104D5 S: 42 I: 1 Results: 07my104d58290aos
Acquired: 8-MAY-10 16:52:05 Processed: 8-MAY-10 21:05:29
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.55 g

05 05-11-10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	102411400	0.79	y	19:30	-	7.297	-	-	n
13C-2,3,7,8-TCDF	217703600	0.78	y	19:00	1.52	132.498	3.005	69.9	n
2,3,7,8-TCDF	3169450000	0.78	y	19:01	0.95	~~2919.568~~	3.014	-	n
Total TCDF	17505821750	0.78	y	15:44	0.95	~~16125.647~~	~~3.014~~	-	n
13C-2,3,7,8-TCDD	151669900	0.79	y	19:43	0.95	147.815	0.370	78.0	n
2,3,7,8-TCDD	42123900	0.80	y	19:44	1.02	51.567	0.684 G	-	n
Total TCDD	1213105368	4.23	n	15:19	1.02	~~1485.~~057	~~0.684~~	-	n
37Cl-2,3,7,8-TCDD	162053600	1.00	y	19:44	2.26	66.328	0.449	87.5	n
13C-1,2,3,7,8-PeCDF	152864800	1.57	y	24:34	1.05	134.705	2.038	71.1	n
1,2,3,7,8-PeCDF	1700445000	1.54	y	24:36	1.04	2018.446 E	11.488 G	-	n
2,3,4,7,8-PeCDF	977315000	1.56	y	26:10	0.98	1234.033 E	12.220 G	-	n
Total F2 PeCDF	11809209882	1.61	y	22:27	1.01	~~14426.409~~	~~11.843~~	-	n
Total F1 PeCDF	866700768	0.43	n	17:38	1.01	~~1060.560~~	~~1.248~~	-	n
13C-1,2,3,7,8-PeCDD	101512100	1.55	y	26:53	0.67	140.132	0.572	73.9	n
1,2,3,7,8-PeCDD	86753100	1.55	y	26:55	0.98	164.994	1.717	-	n
Total PeCDD	809350590	1.40	y	23:15	0.98	~~1539.~~284	~~1.717~~	-	n
13C-1,2,3,7,8,9-HxCDD	80472800	1.29	y	33:05	-	7.423	-	-	n
13C-1,2,3,4,7,8-HxCDF	73547800	0.52	y	31:54	1.02	84.528	3.787	44.6	n
1,2,3,4,7,8-HxCDF	2031440000	1.25	y	31:55	1.21	4318.050 E	22.769 G	-	y
1,2,3,6,7,8-HxCDF	1509599000	1.23	y	32:02	1.34	2897.757 E	20.562 G	-	y
2,3,4,6,7,8-HxCDF	387111000	1.24	y	32:36	1.22	816.347	22.589 G	-	y
1,2,3,7,8,9-HxCDF	241451000	1.23	y	33:15	1.09	569.678	25.273 G	-	y
Total HxCDF	7618824200	1.23	y	30:32	1.22	~~15903.~~922	~~22.677~~	-	y
13C-1,2,3,6,7,8-HxCDD	75351900	1.22	y	32:48	0.81	109.972	2.168	58.0	n
1,2,3,4,7,8-HxCDD	49428000	1.24	y	32:44	1.01	123.519	1.319	-	n
1,2,3,6,7,8-HxCDD	92586900	1.23	y	32:49	1.11	209.113	1.192	-	n
1,2,3,7,8,9-HxCDD	82999900	1.26	y	33:05	1.21	172.713	1.098	-	n
Total HxCDD	539122260	1.20	y	31:22	1.11	~~1217.~~342	~~1.196~~	-	n
13C-1,2,3,4,6,7,8-HpCDF	34296600	0.44	y	34:35	0.86	46.832	1.610	24.7	n
1,2,3,4,6,7,8-HpCDF	2220060000	1.00	y	34:35	1.31	9369.715 E	13.498 G	-	n
1,2,3,4,7,8,9-HpCDF	1050421000	1.01	y	35:43	1.03	5661.055 E	17.237 G	-	n
Total HpCDF	4696298509	1.00	y	34:35	1.17	~~21780.326~~	~~15.140~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	34620300	1.03	y	35:24	0.70	58.464	3.824	30.8	n
1,2,3,4,6,7,8-HpCDD	149452900	1.02	y	35:25	1.07	763.511	7.424 G	-	n
Total HpCDD	217015905	1.56	n	34:20	1.07	~~1108.67~~1	~~7.424~~	-	n
13C-OCDD	38440800	0.91	y	37:53	0.53	85.208	1.951	22.5	n
OCDF	3693790000	0.90	y	38:00	1.45	25206.528 E	1.327	-	n

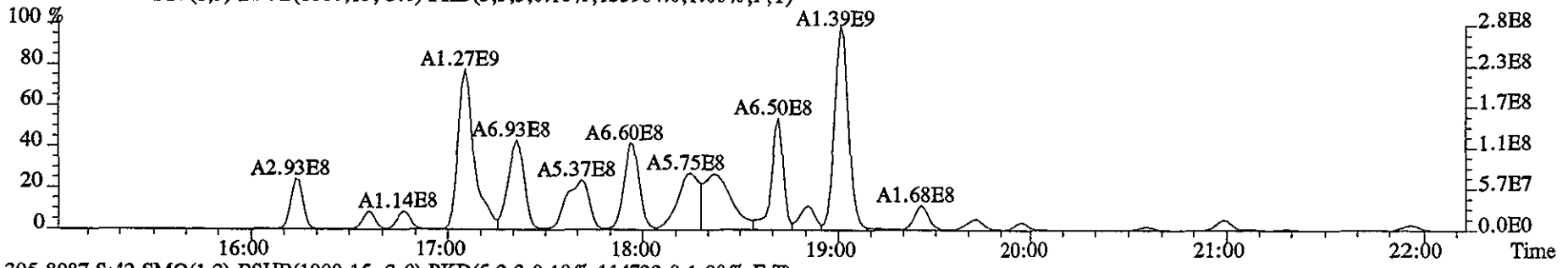
OCDD	100765900	0.91	y	37:53	1.17	852.191 f	7.823 G	-	n

Run text: LX50A-1-AE Sample text: LX50A-1-AE :G0D170485-18
Run #42 Filename: 07MY104D5 S: 42 I: 1 Results: 07MY104D58290A
Acquired: 8-MAY-10 16:52:05 Processed: 8-MAY-10 21:05:29
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.55 g

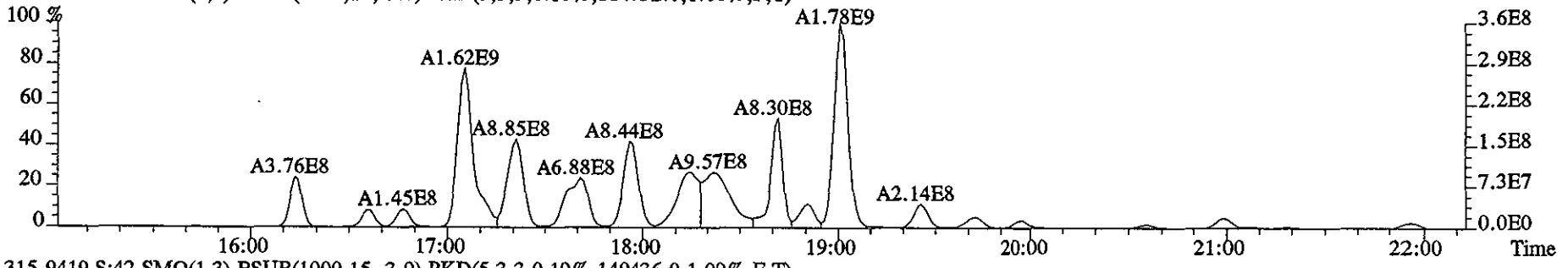
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	102411400	0.79	y	19:30	-	7.297	-	-	n
13C-2,3,7,8-TCDF	217703600	0.78	y	19:00	1.52	132.498	3.005	69.9	n
2,3,7,8-TCDF	3169450000	0.78	y	19:01	0.95	2919.568	3.014	-	n
Total TCDF	17505821750	0.78	y	15:44	0.95	16125.647	3.014	-	n
13C-2,3,7,8-TCDD	151669900	0.79	y	19:43	0.95	147.815	0.370	78.0	n
2,3,7,8-TCDD	42123900	0.80	y	19:44	1.02	51.567	0.684	-	n
Total TCDD	1213105368	4.23	n	15:19	1.02	1485.057	0.684	-	n
37Cl-2,3,7,8-TCDD	162053600	1.00	y	19:44	2.26	66.328	0.449	87.5	n
13C-1,2,3,7,8-PeCDF	152864800	1.57	y	24:34	1.05	134.705	2.038	71.1	n
1,2,3,7,8-PeCDF	1700445000	1.54	y	24:36	1.04	2018.446	11.488	-	n
2,3,4,7,8-PeCDF	977315000	1.56	y	26:10	0.98	1234.033	12.220	-	n
Total F2 PeCDF	11809209882	1.61	y	22:27	1.01	14426.409	11.843	-	n
Total F1 PeCDF	866700768	0.43	n	17:38	1.01	1060.560	1.248	-	n
13C-1,2,3,7,8-PeCDD	101512100	1.55	y	26:53	0.67	140.132	0.572	73.9	n
1,2,3,7,8-PeCDD	86753100	1.55	y	26:55	0.98	164.994	1.717	-	n
Total PeCDD	809350590	1.40	y	23:15	0.98	1539.284	1.717	-	n
13C-1,2,3,7,8,9-HxCDD	80472800	1.29	y	33:05	-	7.423	-	-	n
13C-1,2,3,4,7,8-HxCDF	73547800	0.52	y	31:54	1.02	84.528	3.787	44.6	n
1,2,3,4,7,8-HxCDF	2418950000	1.23	y	31:55	1.21	5141.745	22.769	-	n
1,2,3,6,7,8-HxCDF	1506855000	1.23	y	32:02	1.34	2892.489	20.562	-	n
2,3,4,6,7,8-HxCDF	809022000	1.22	y	32:32	1.22	1706.081	22.589	-	n
1,2,3,7,8,9-HxCDF	619271000	1.24	y	33:19	1.09	1461.104	25.273	-	n
Total HxCDF	9379855200	1.23	y	30:32	1.22	19724.046	22.677	-	n
13C-1,2,3,6,7,8-HxCDD	75351900	1.22	y	32:48	0.81	109.972	2.168	58.0	n
1,2,3,4,7,8-HxCDD	49428000	1.24	y	32:44	1.01	123.519	1.319	-	n
1,2,3,6,7,8-HxCDD	92586900	1.23	y	32:49	1.11	209.113	1.192	-	n
1,2,3,7,8,9-HxCDD	82999900	1.26	y	33:05	1.21	172.713	1.098	-	n
Total HxCDD	539122260	1.20	y	31:22	1.11	1217.342	1.196	-	n
13C-1,2,3,4,6,7,8-HpCDF	34296600	0.44	y	34:35	0.86	46.832	1.610	24.7	n
1,2,3,4,6,7,8-HpCDF	2220060000	1.00	y	34:35	1.31	9369.715	13.498	-	n
1,2,3,4,7,8,9-HpCDF	1050421000	1.01	y	35:43	1.03	5661.055	17.237	-	n
Total HpCDF	4696298509	1.00	y	34:35	1.17	21780.326	15.140	-	n
13C-1,2,3,4,6,7,8-HpCDD	34620300	1.03	y	35:24	0.70	58.464	3.824	30.8	n
1,2,3,4,6,7,8-HpCDD	149452900	1.02	y	35:25	1.07	763.511	7.424	-	n
Total HpCDD	217015905	1.56	n	34:20	1.07	1108.671	7.424	-	n
13C-OCDD	38440800	0.91	y	37:53	0.53	85.208	1.951	22.5	n
OCDF	3693790000	0.90	y	38:00	1.45	25206.528	1.327	-	n
OCDD	100765900	0.91	y	37:53	1.17	852.191	7.823	-	n

File:07MY104D5 #1-435 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

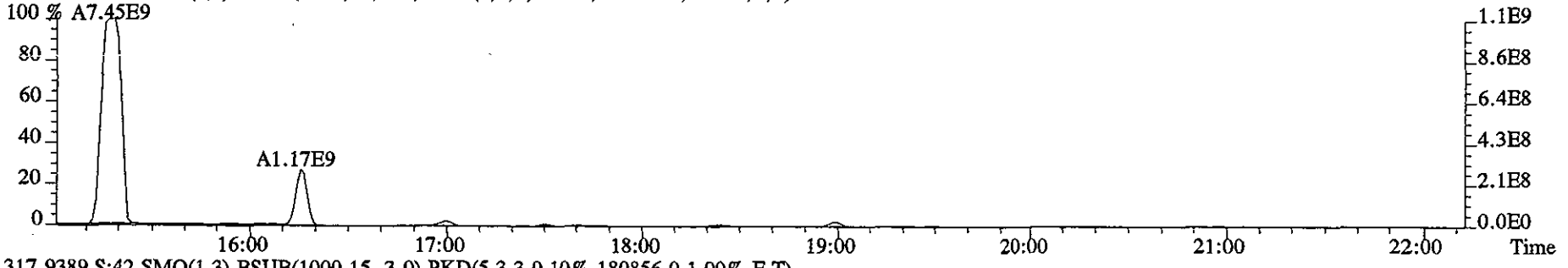
303.9016 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,133964.0,1.00%,F,T)



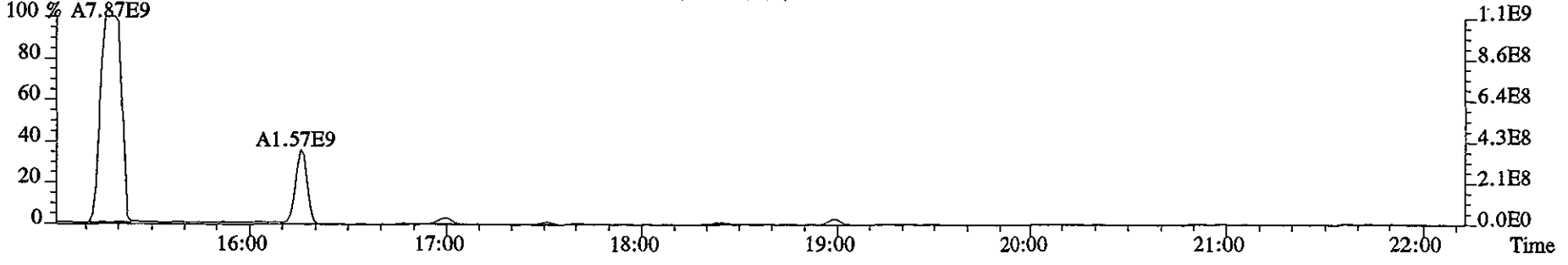
305.8987 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,114732.0,1.00%,F,T)



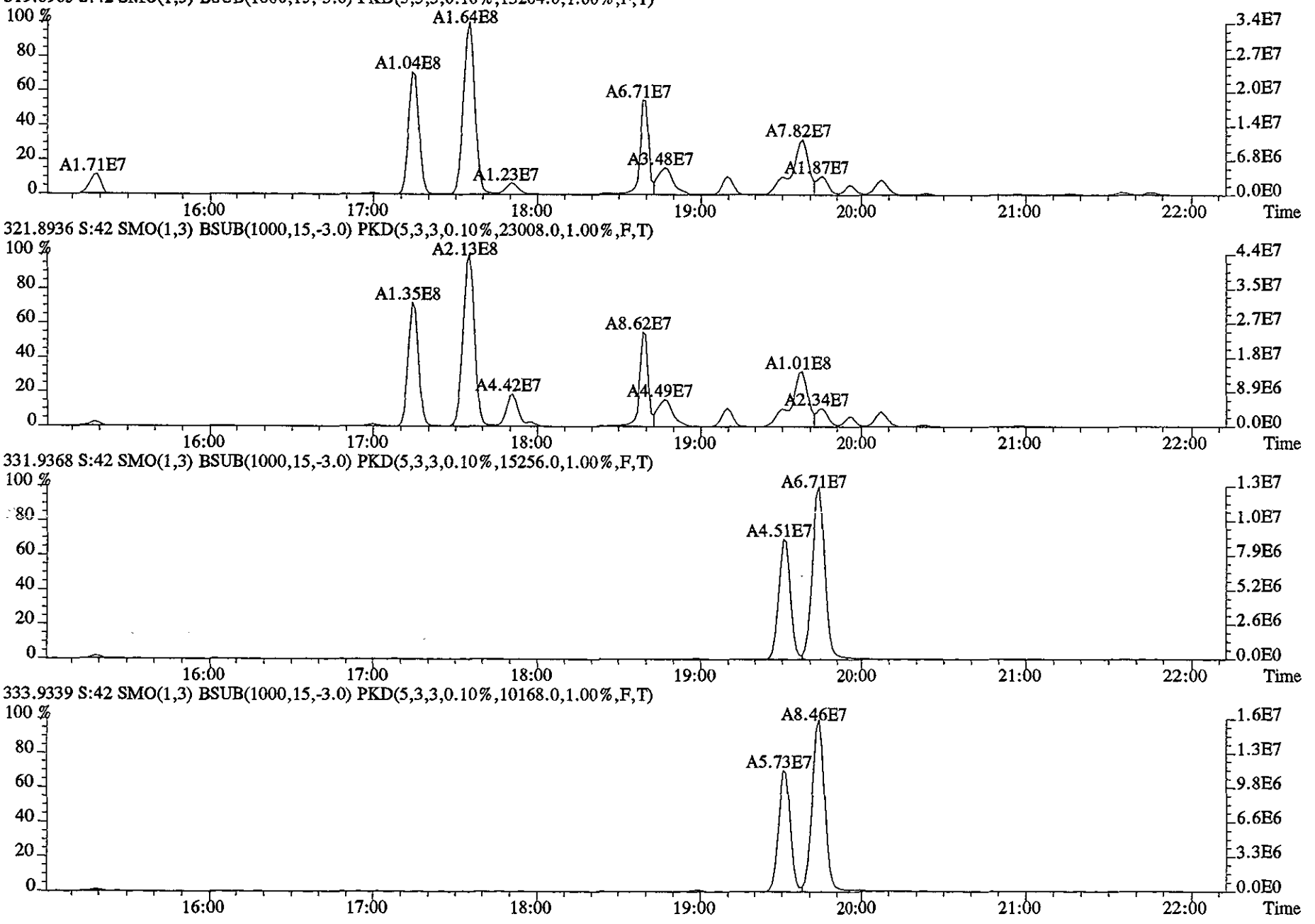
315.9419 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,149436.0,1.00%,F,T)



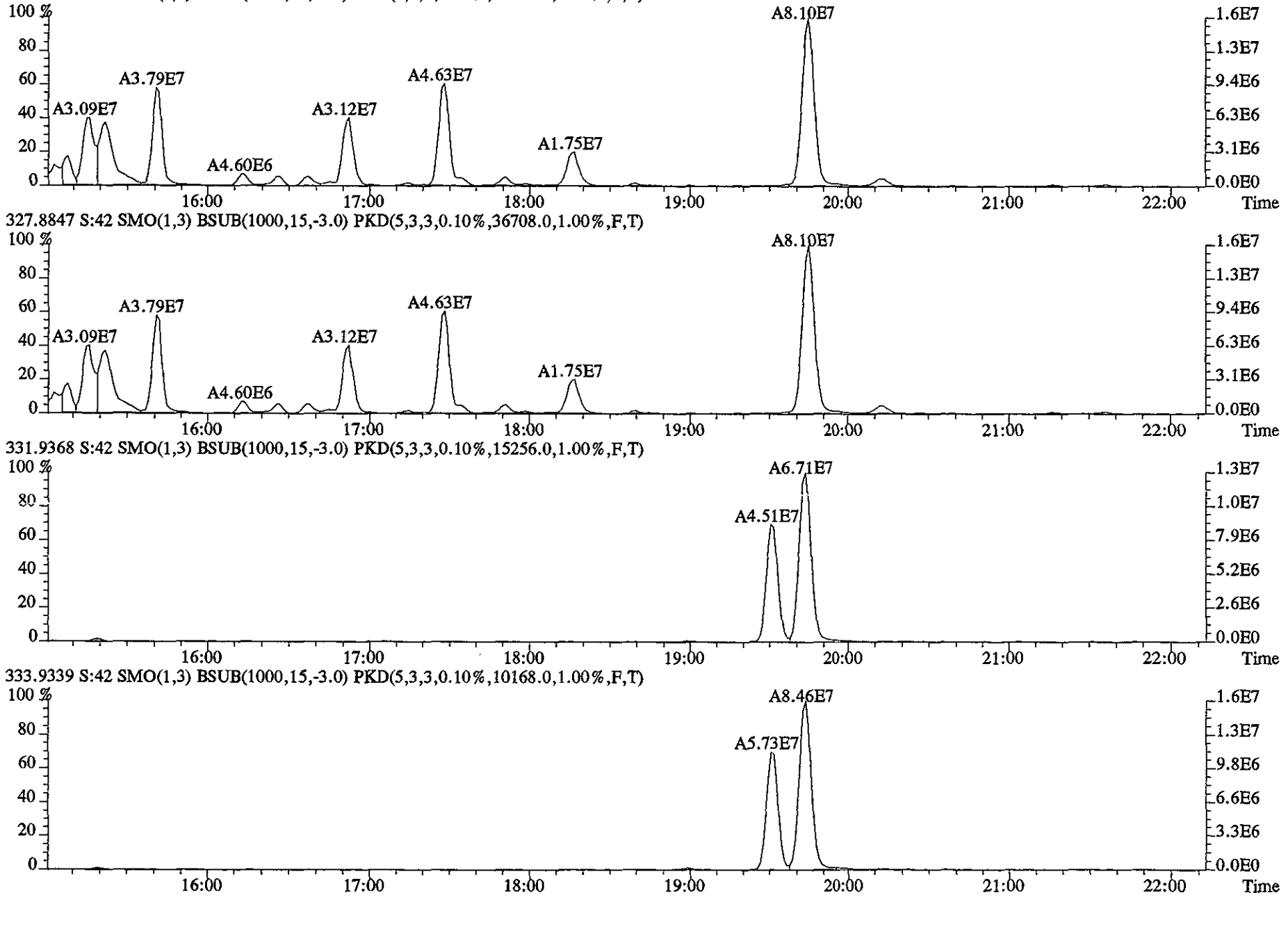
317.9389 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,180856.0,1.00%,F,T)



File:07MY104D5 #1-435 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

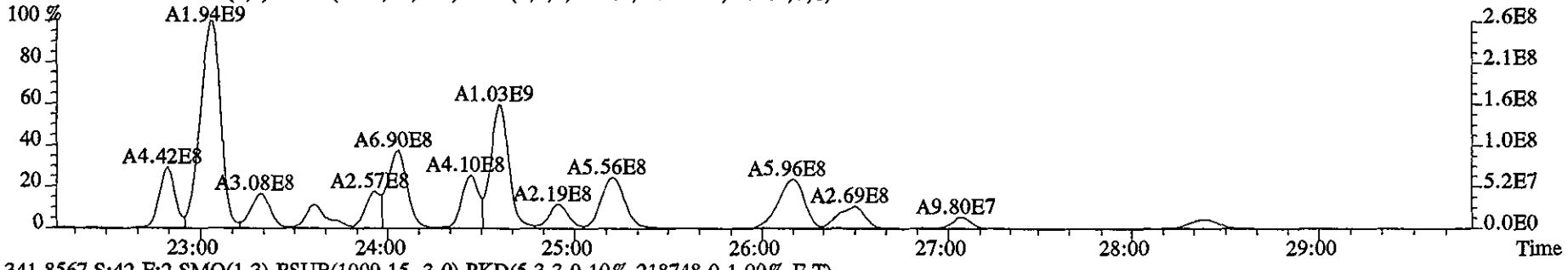


File:07MY104D5 #1-435 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

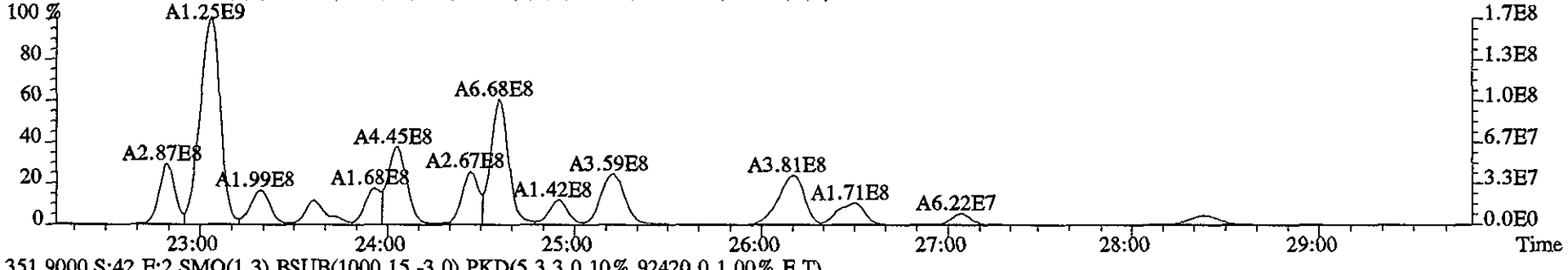


File:07MY104D5 #1-604 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

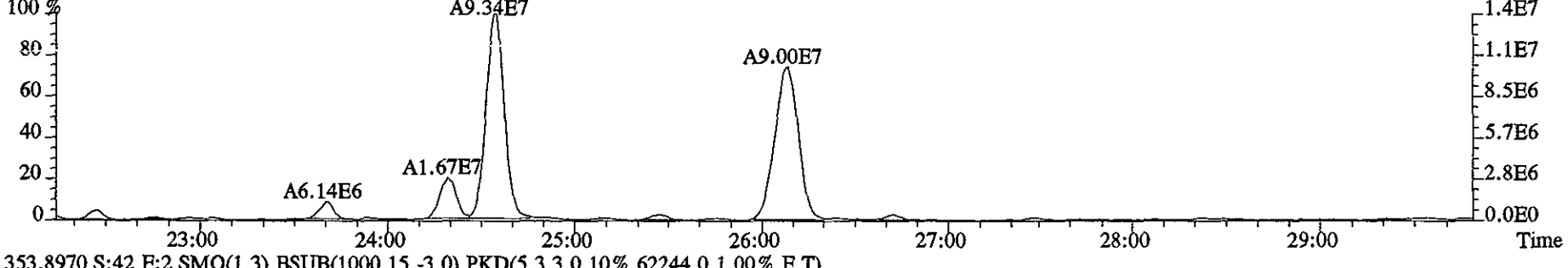
339.8597 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,269608.0,1.00%,F,T)



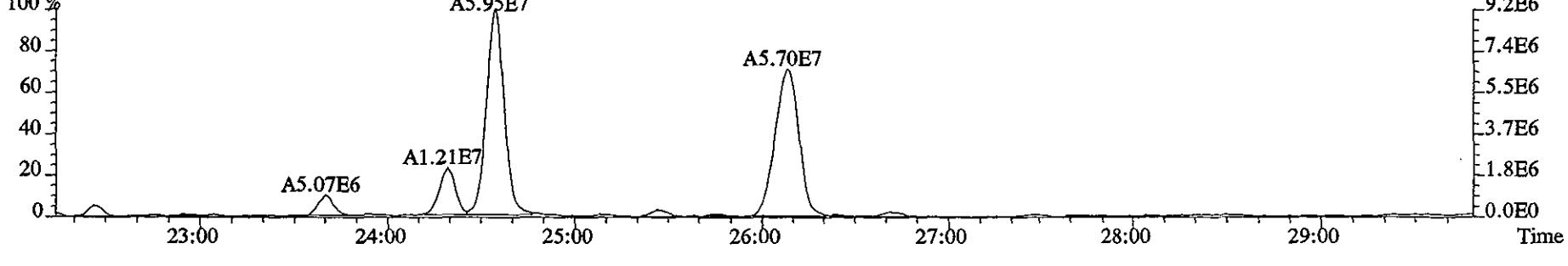
341.8567 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,218748.0,1.00%,F,T)



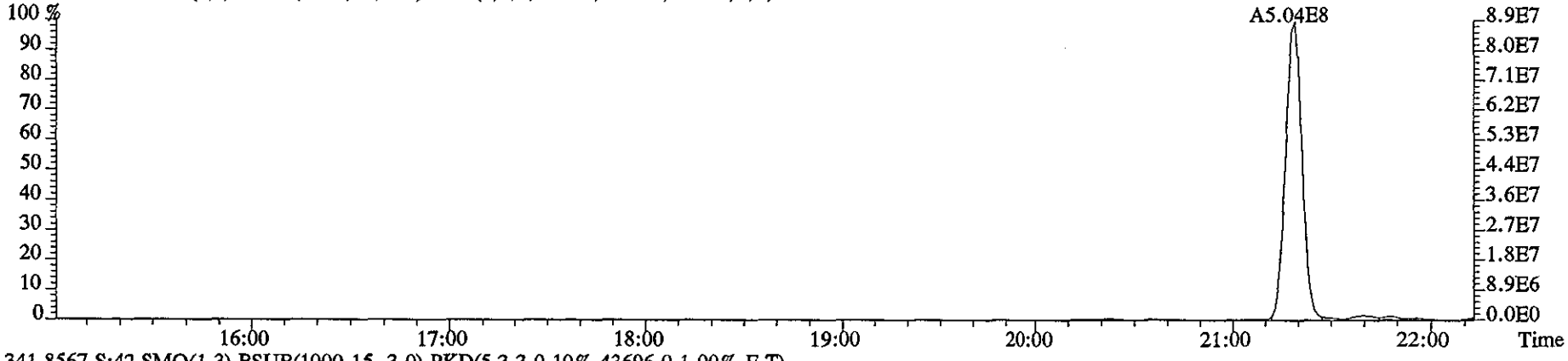
351.9000 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92420.0,1.00%,F,T)



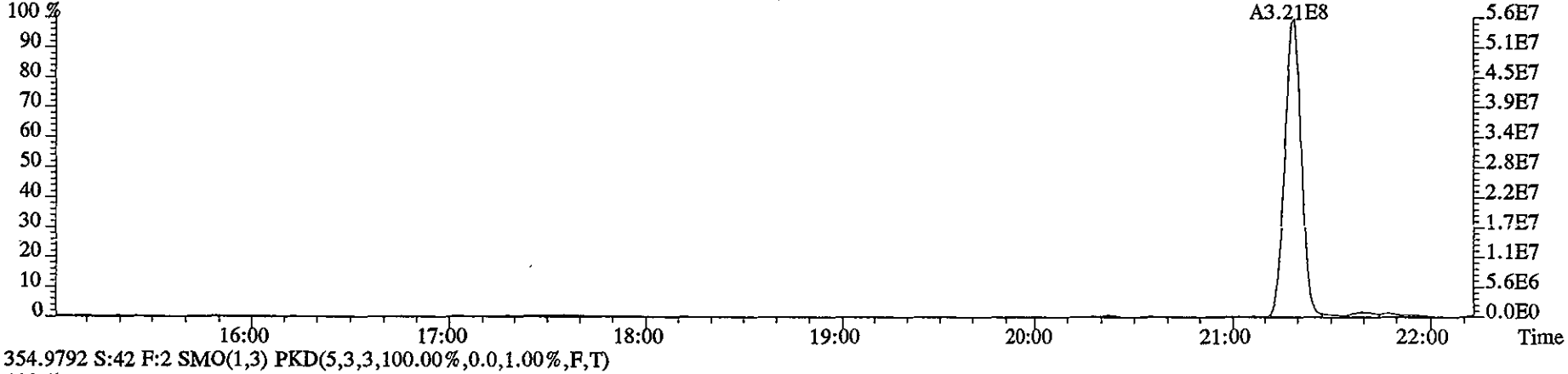
353.8970 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62244.0,1.00%,F,T)



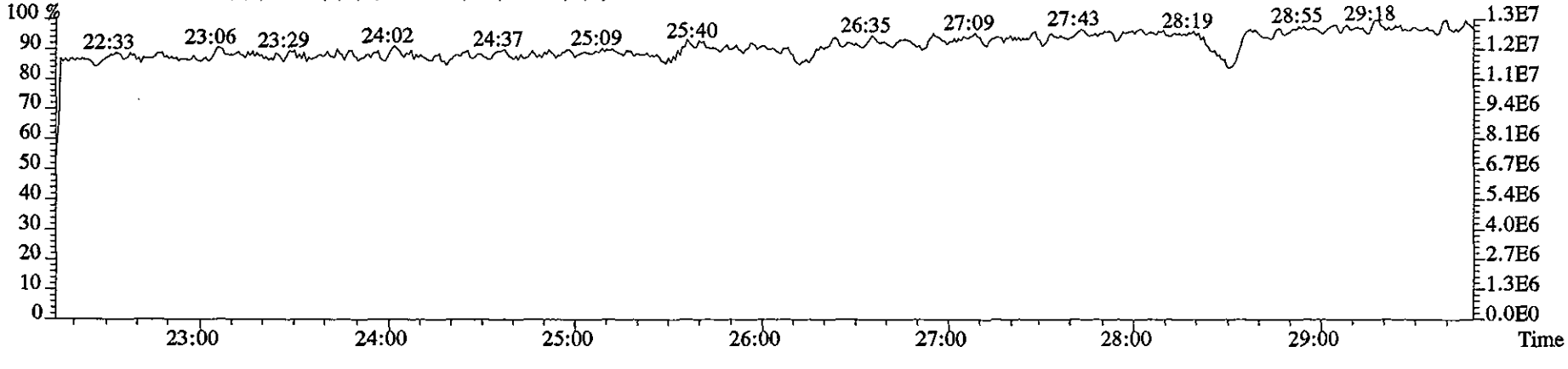
File:07MY104D5 #1-435 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A
339.8597 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7748.0,1.00%,F,T)



341.8567 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43696.0,1.00%,F,T)

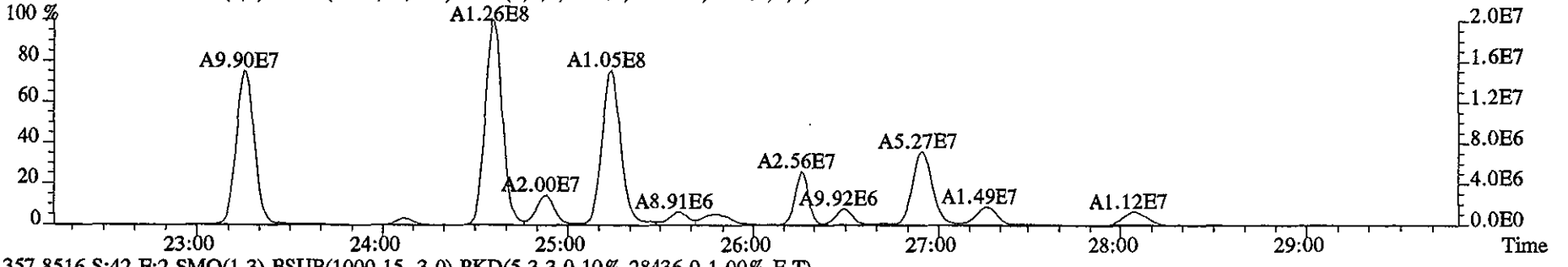


354.9792 S:42 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

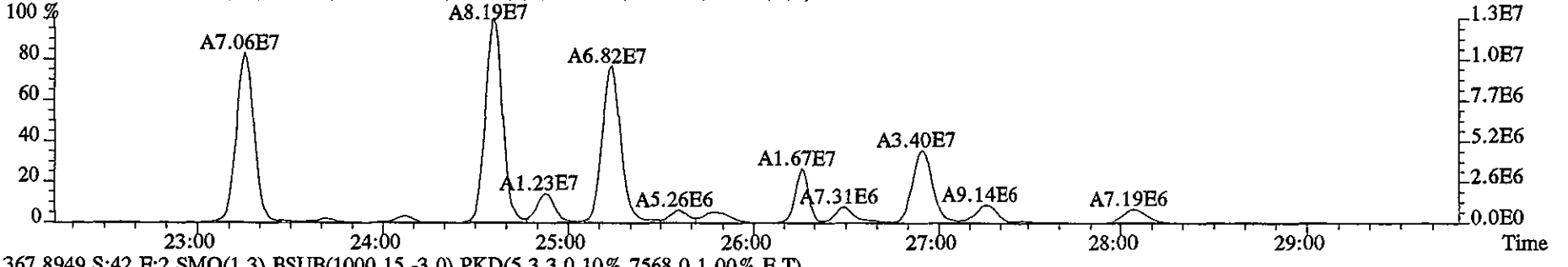


File:07MY104D5 #1-604 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

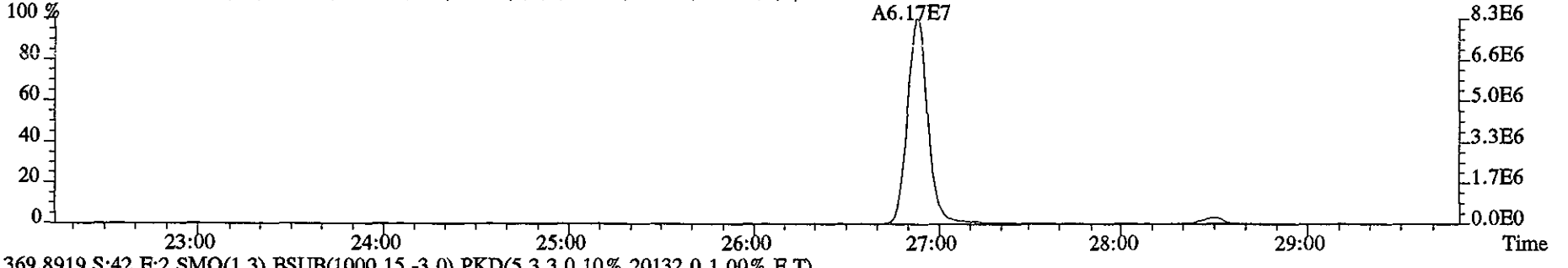
355.8546 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12268.0,1.00%,F,T)



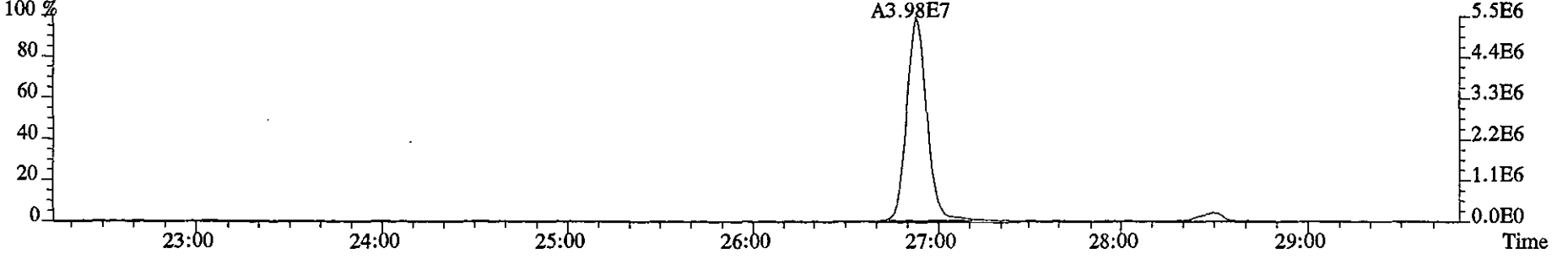
357.8516 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28436.0,1.00%,F,T)



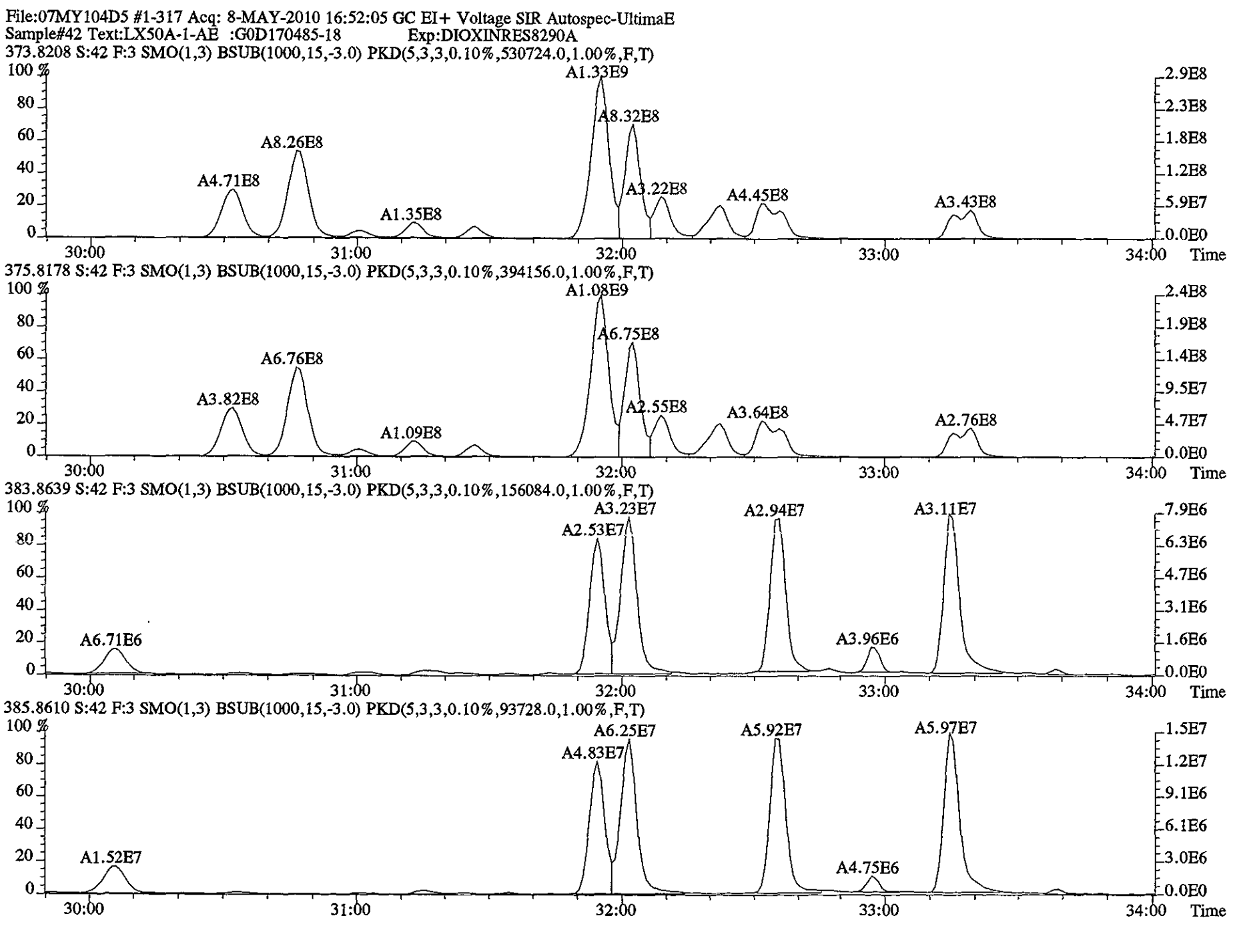
367.8949 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7568.0,1.00%,F,T)

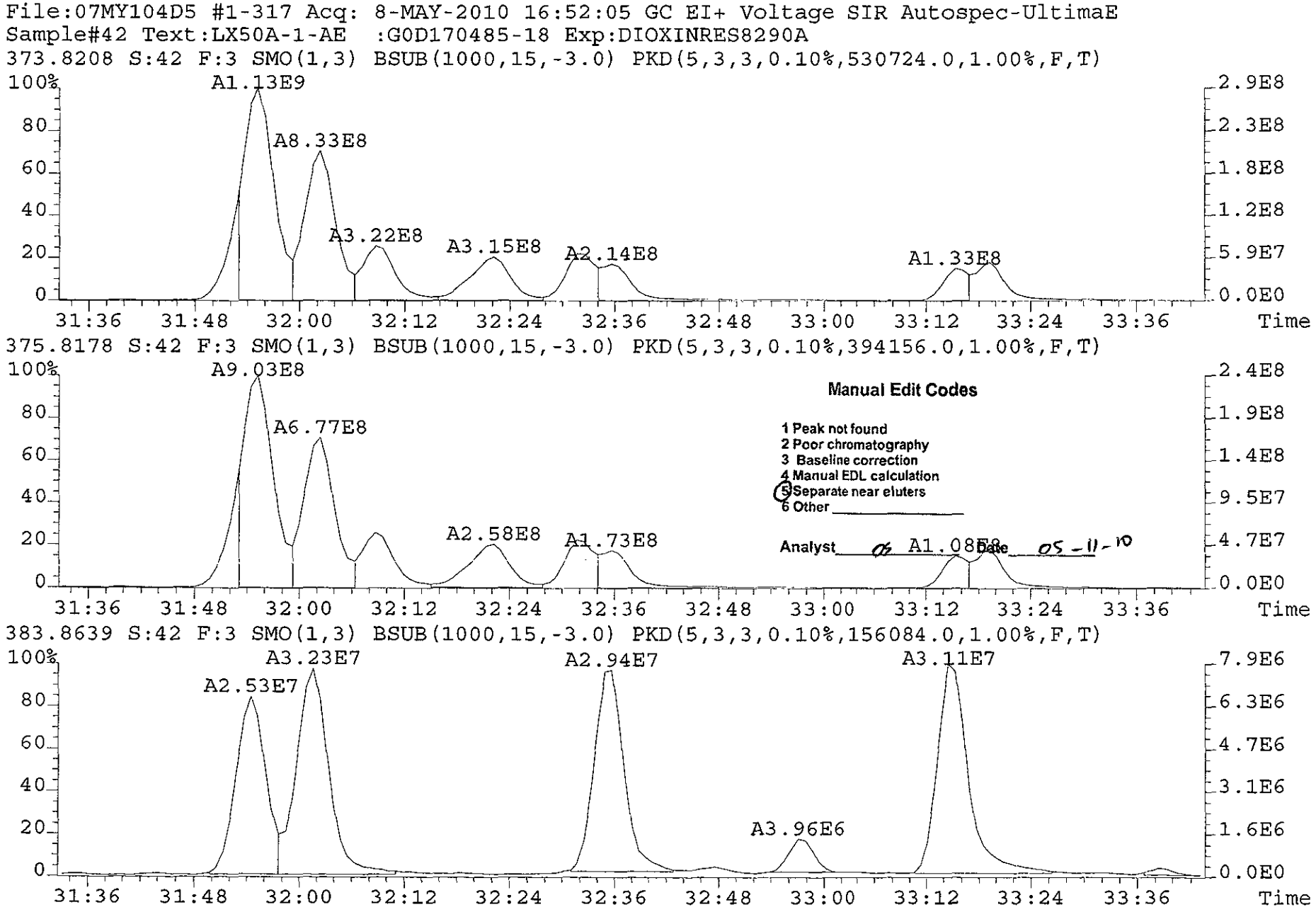


369.8919 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20132.0,1.00%,F,T)

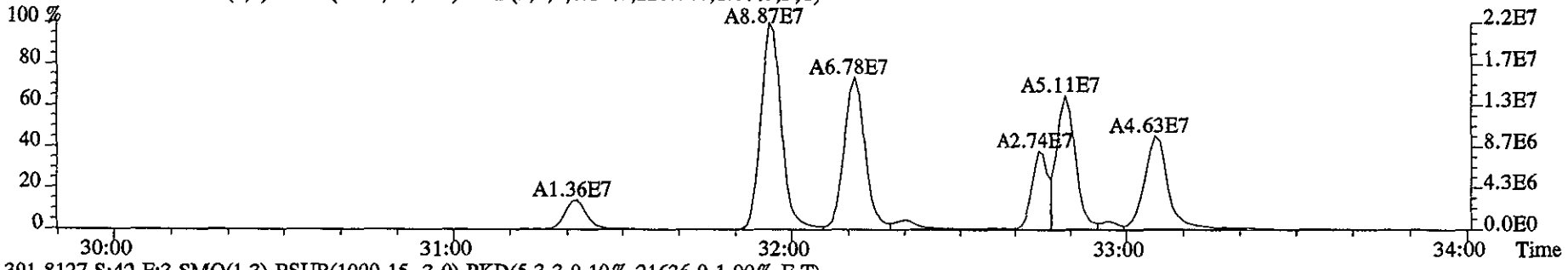


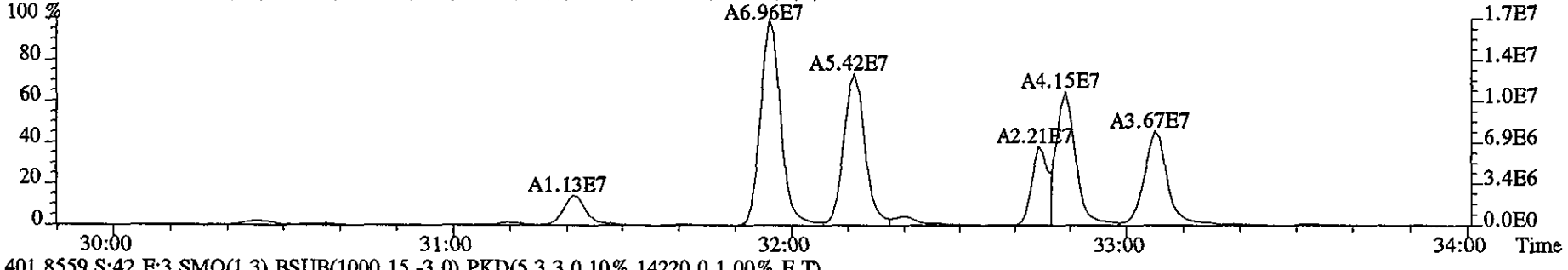
File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

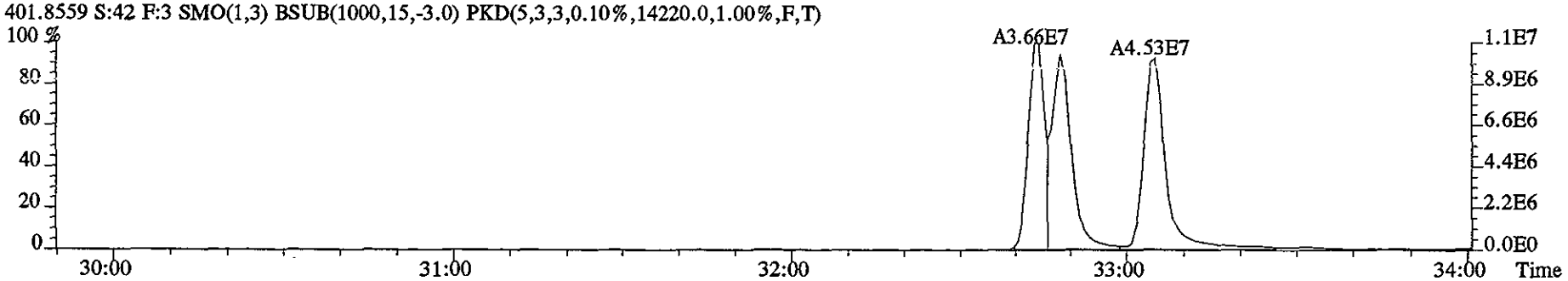


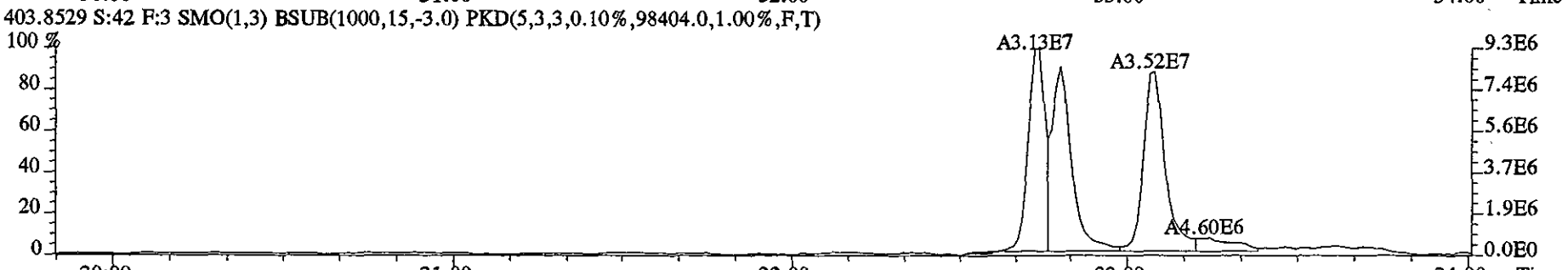

File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A
373.8208 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,530724.0,1.00%,F,T)
A1.13E9
A8.33E8
A3.22E8
A3.15E8
A2.14E8
A1.33E8
375.8178 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,394156.0,1.00%,F,T)
A9.03E8
A6.77E8
A2.58E8
A1.73E8
A1.08E8
Manual Edit Codes
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other
Analyst
Date 05-11-10
383.8639 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156084.0,1.00%,F,T)
A2.53E7
A3.23E7
A2.94E7
A3.96E6
A3.11E7
Time

File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A



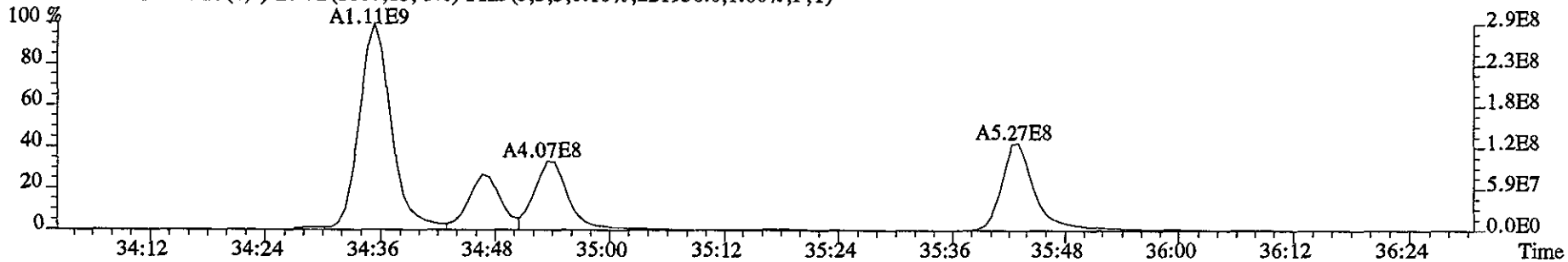




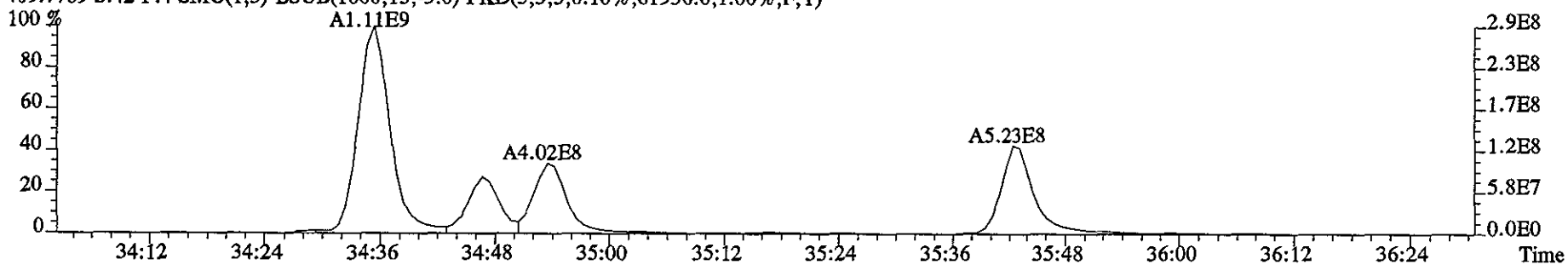


File:07MY104D5 #1-198 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

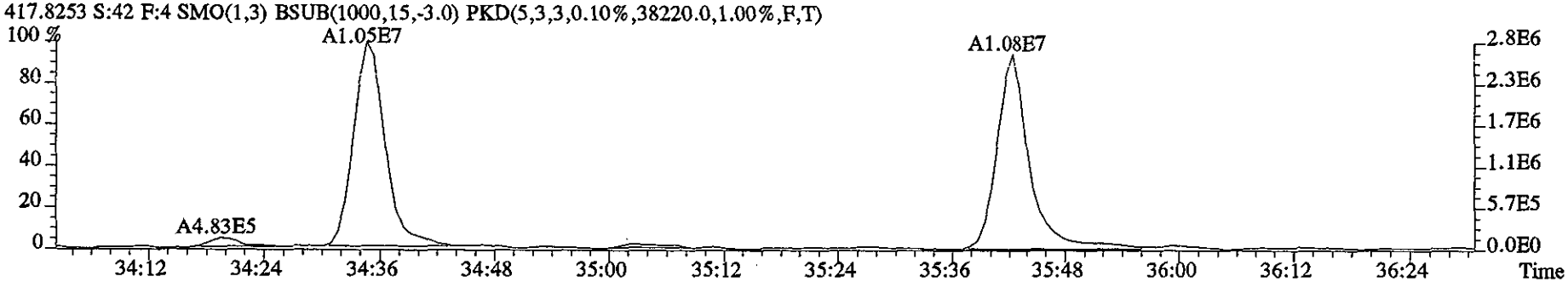
407.7818 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,221936.0,1.00%,F,T)



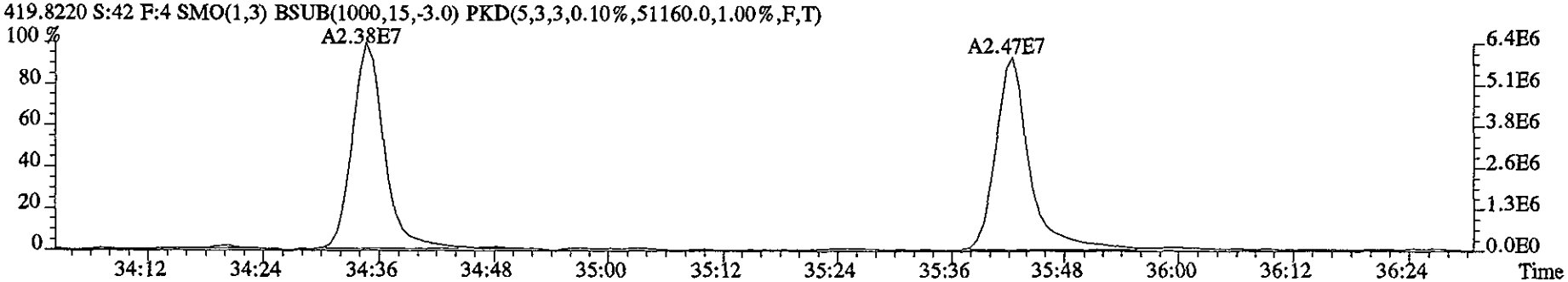
409.7789 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,61936.0,1.00%,F,T)



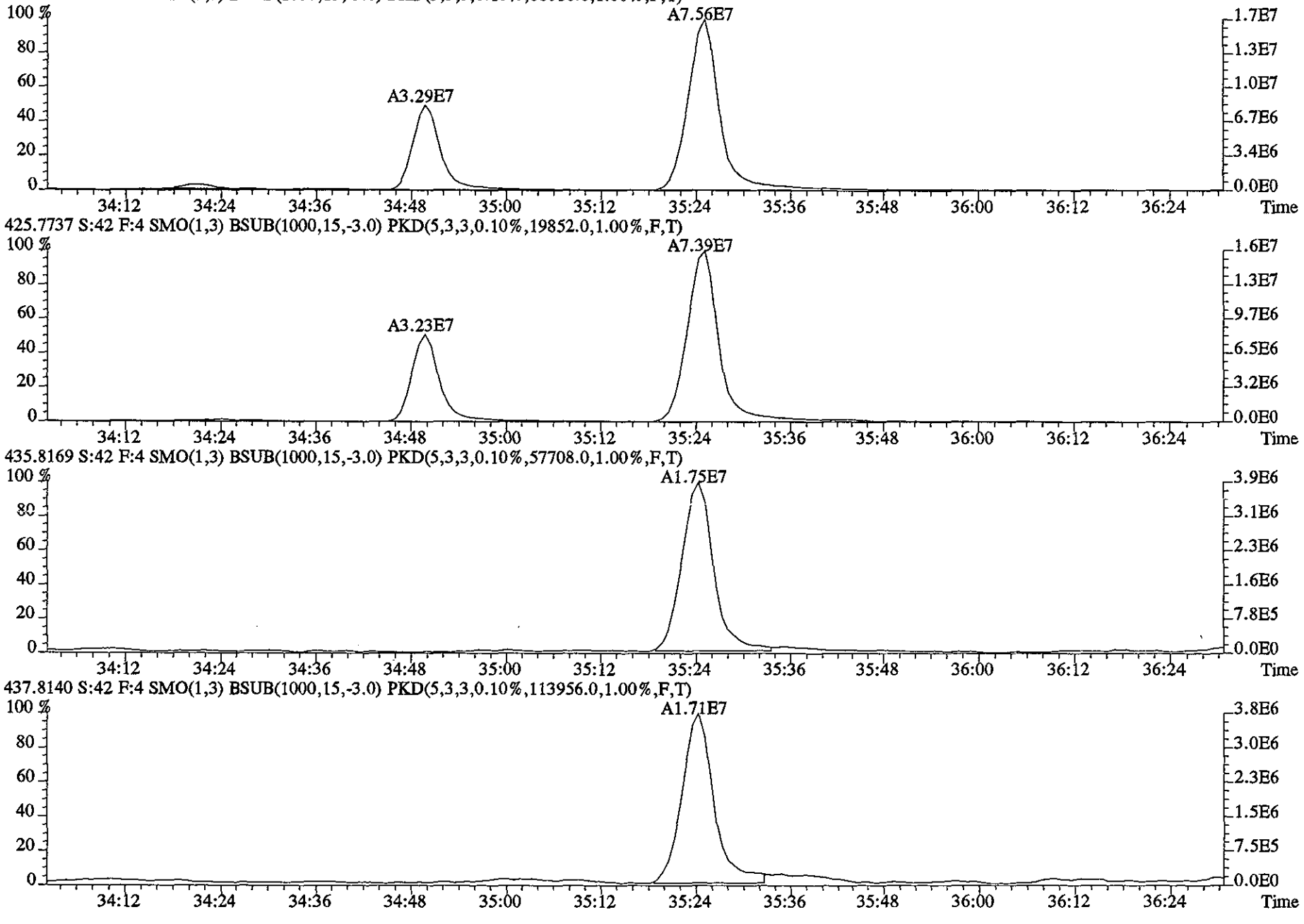
417.8253 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38220.0,1.00%,F,T)



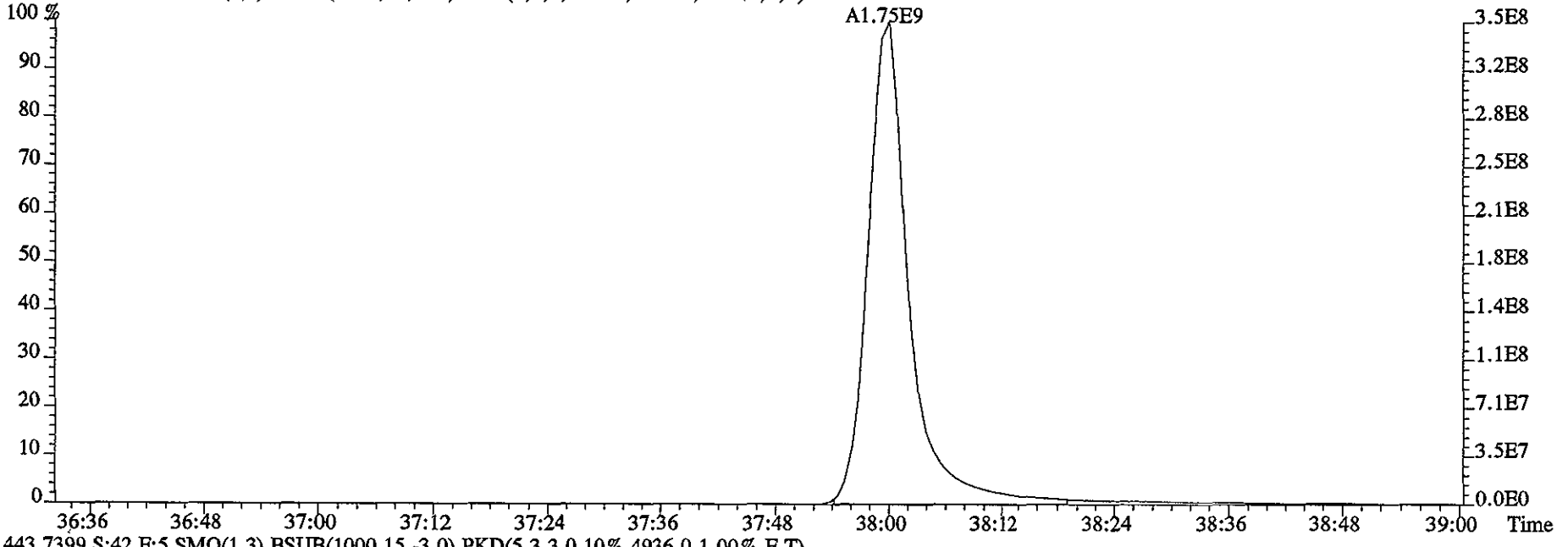
419.8220 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,51160.0,1.00%,F,T)



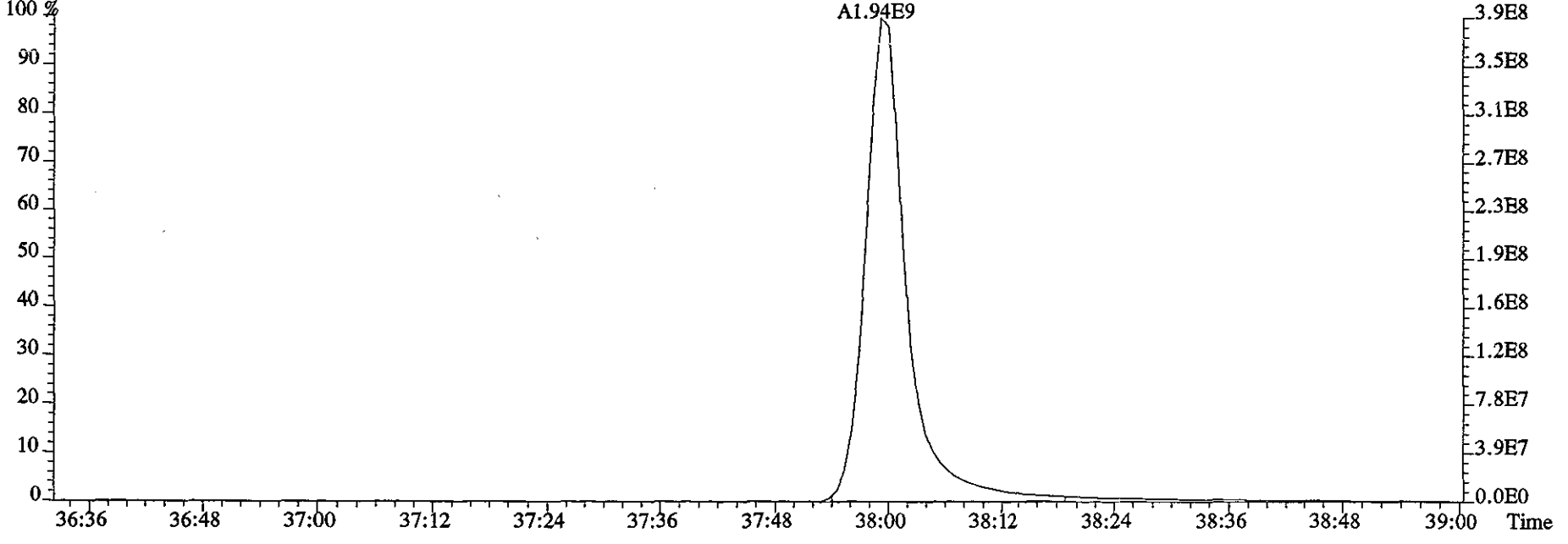
File:07MY104D5 #1-198 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A



File:07MY104D5 #1-190 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A
441.7428 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6924.0,1.00%,F,T)

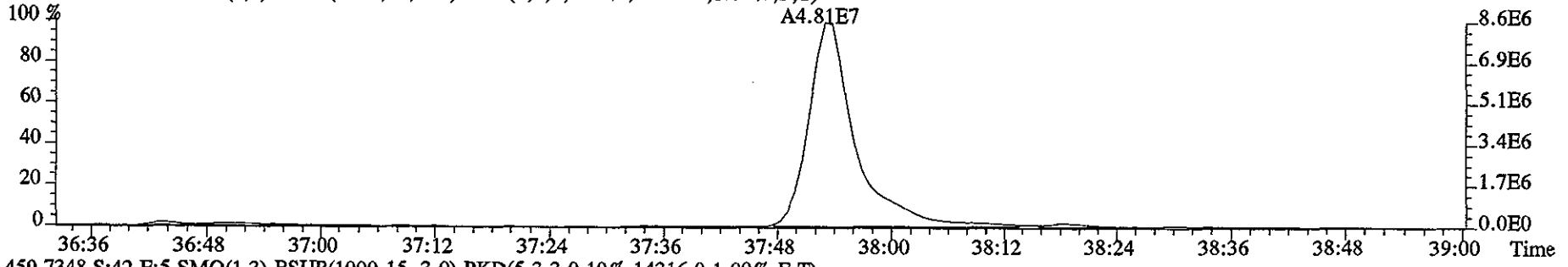


443.7399 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4936.0,1.00%,F,T)

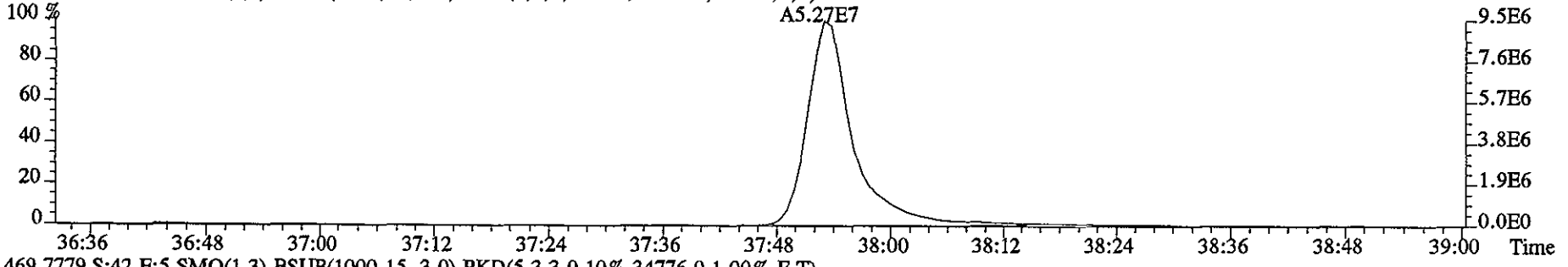


File:07MY104D5 #1-190 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

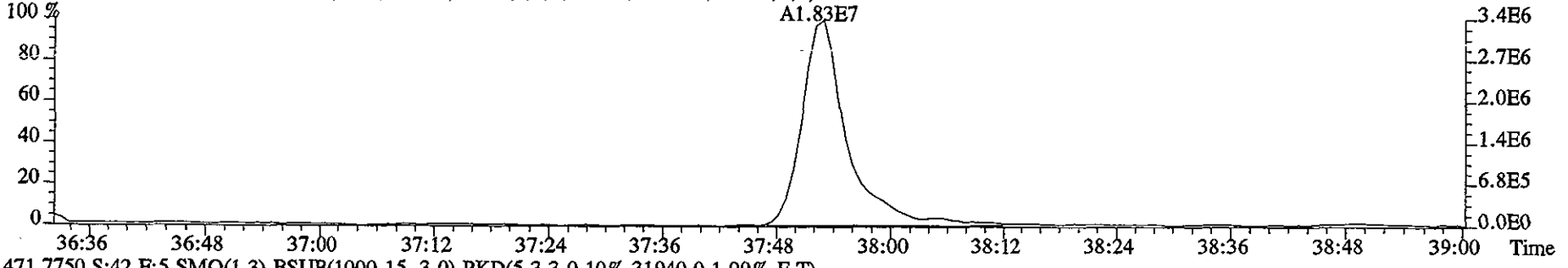
457.7377 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42108.0,1.00%,F,T)



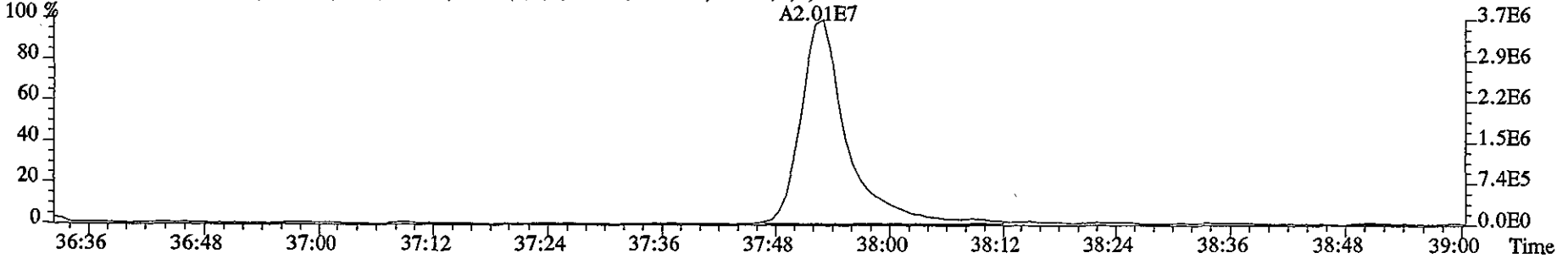
459.7348 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14316.0,1.00%,F,T)



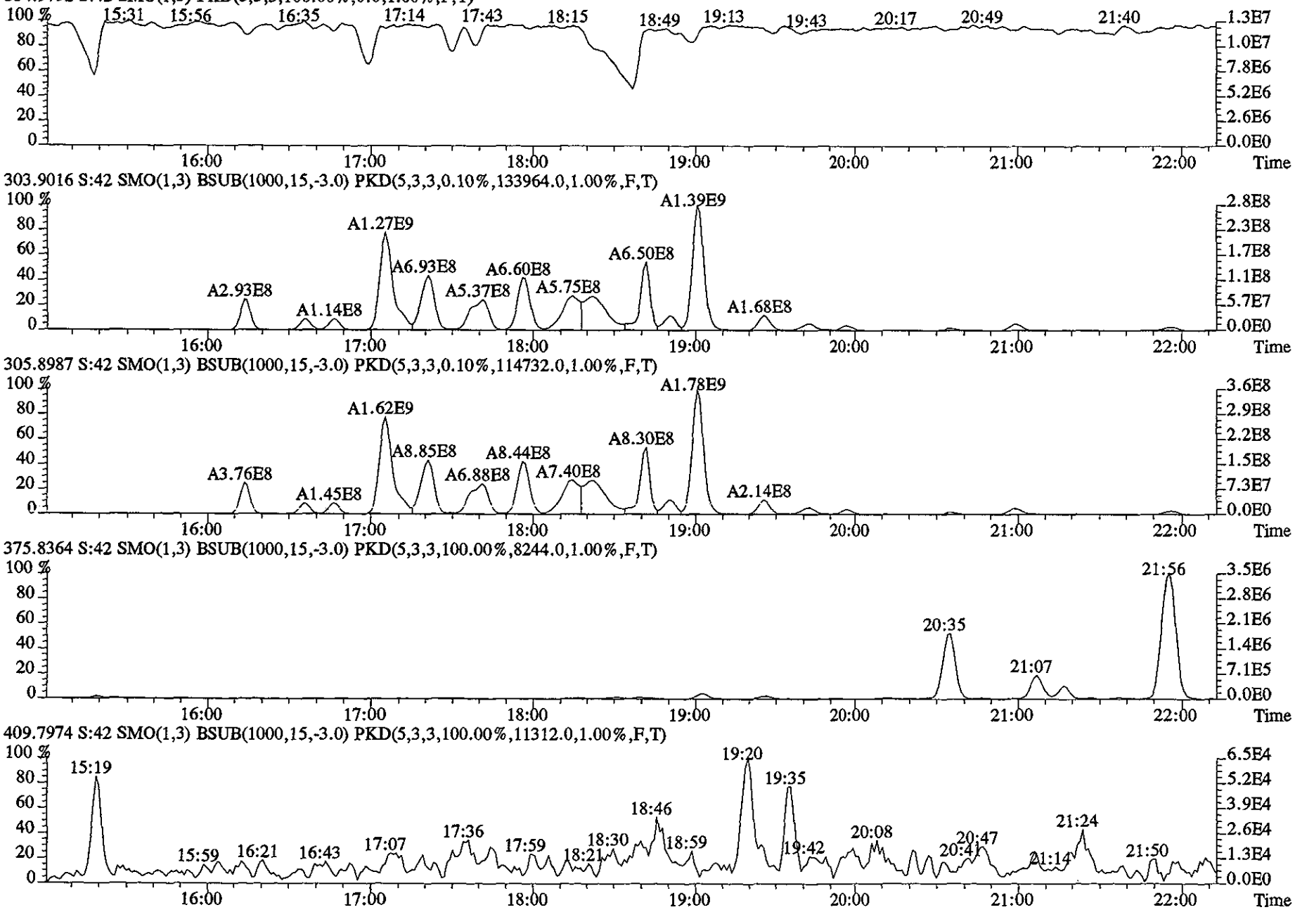
469.7779 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34776.0,1.00%,F,T)



471.7750 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31940.0,1.00%,F,T)

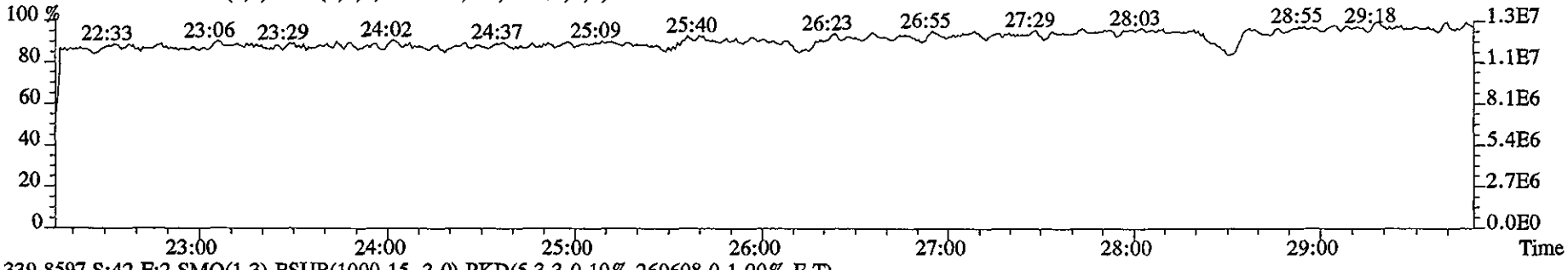


File:07MY104D5 #1-435 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

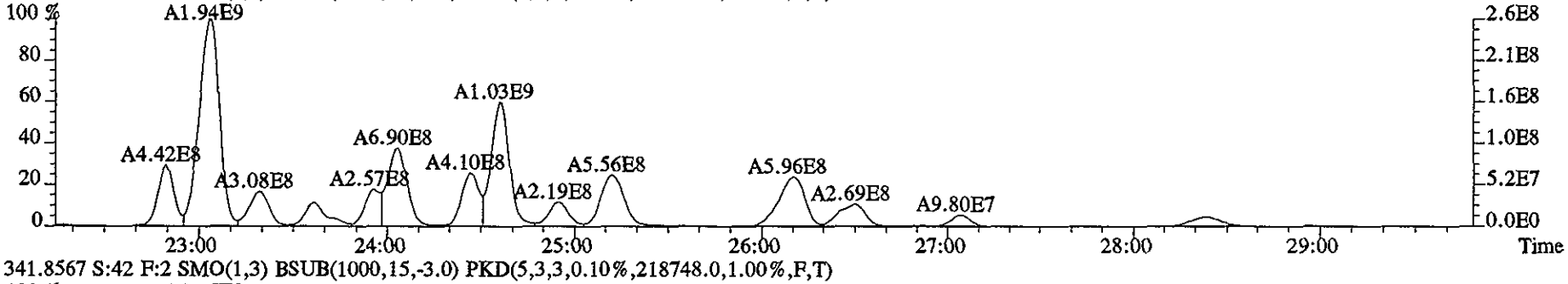


File:07MY104D5 #1-604 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A

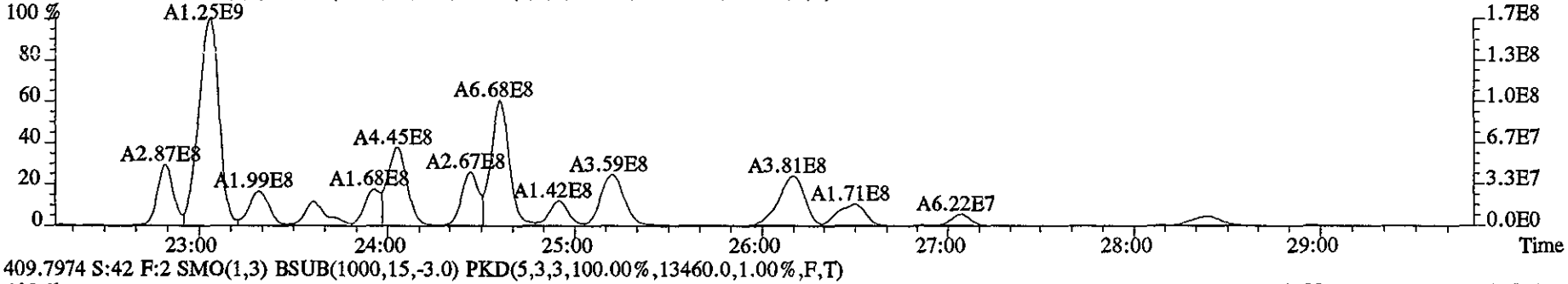
354.9792 S:42 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



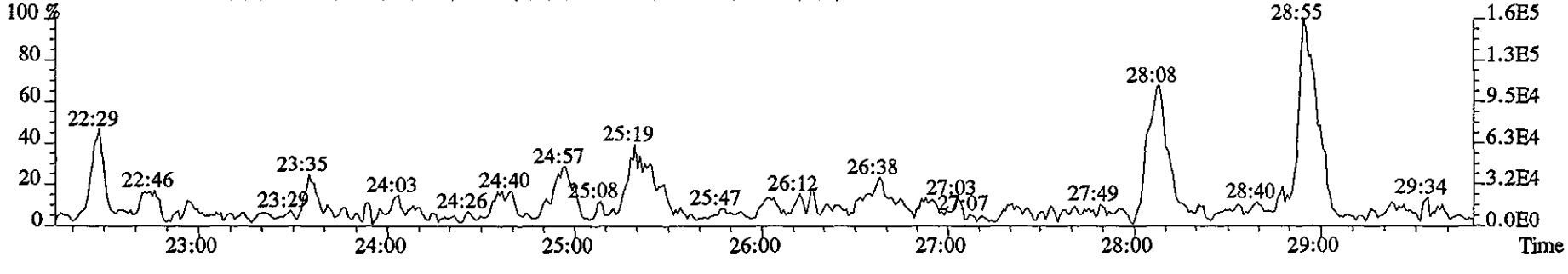
339.8597 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,269608.0,1.00%,F,T)



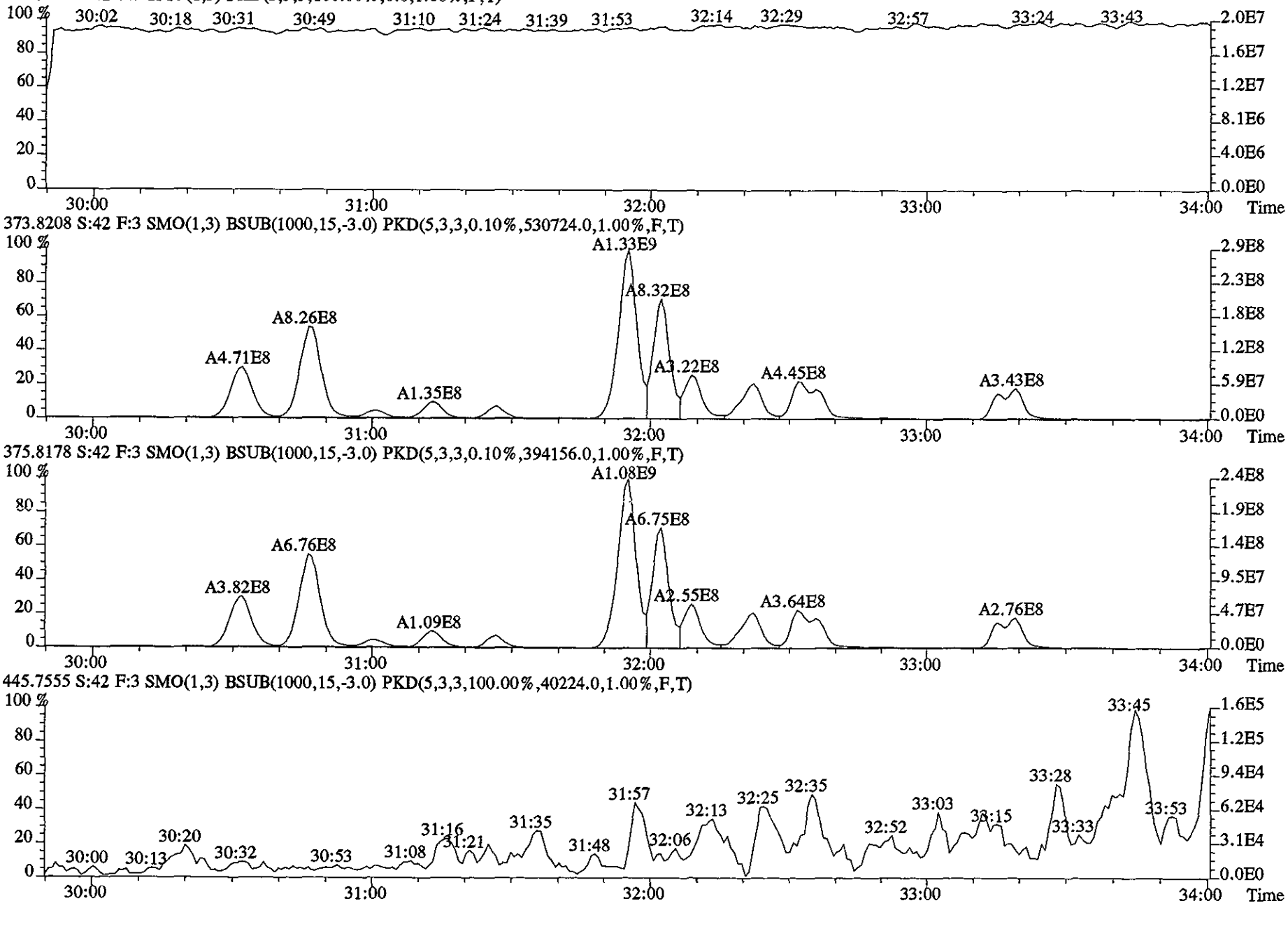
341.8567 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,218748.0,1.00%,F,T)



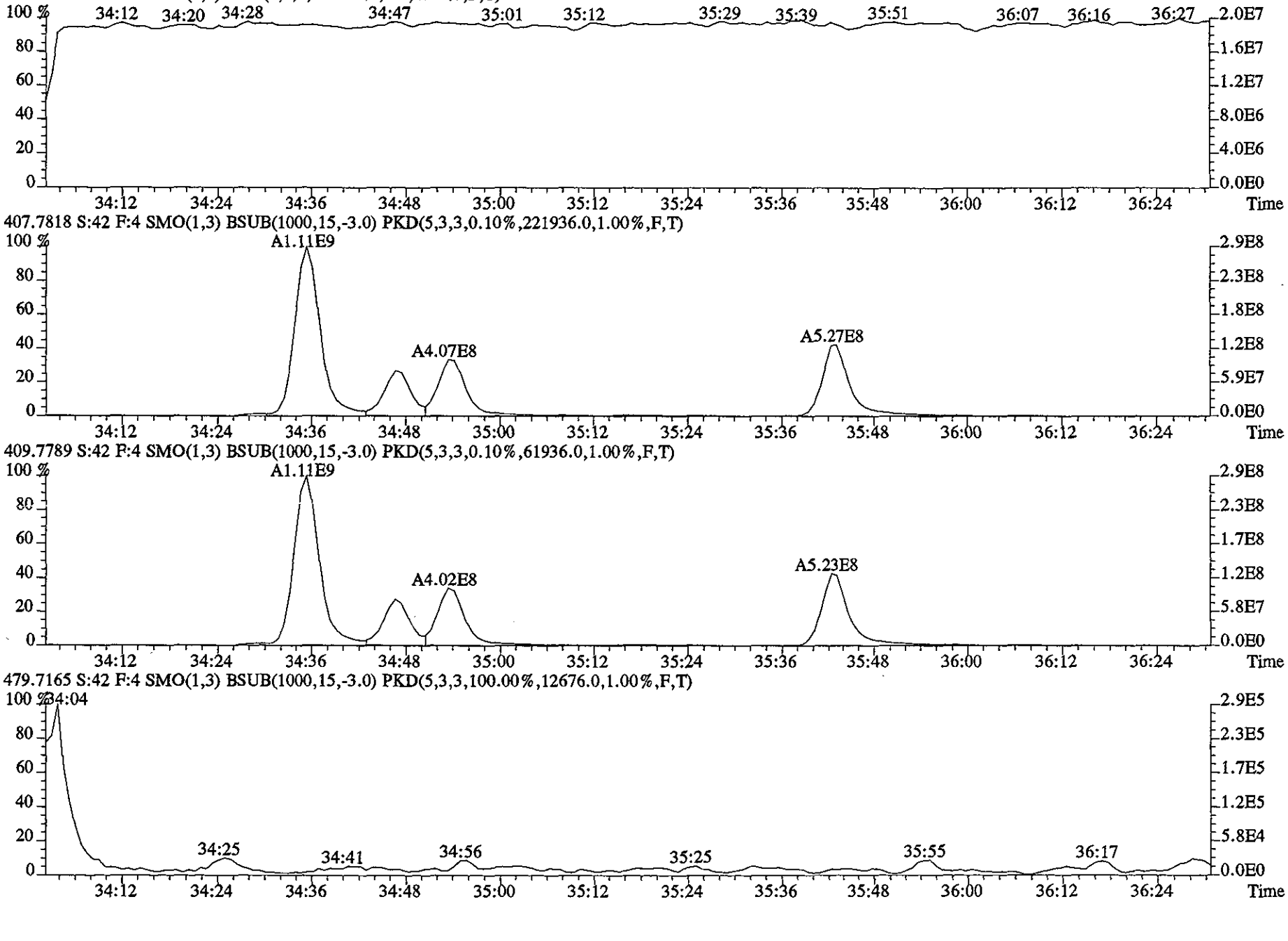
409.7974 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,13460.0,1.00%,F,T)



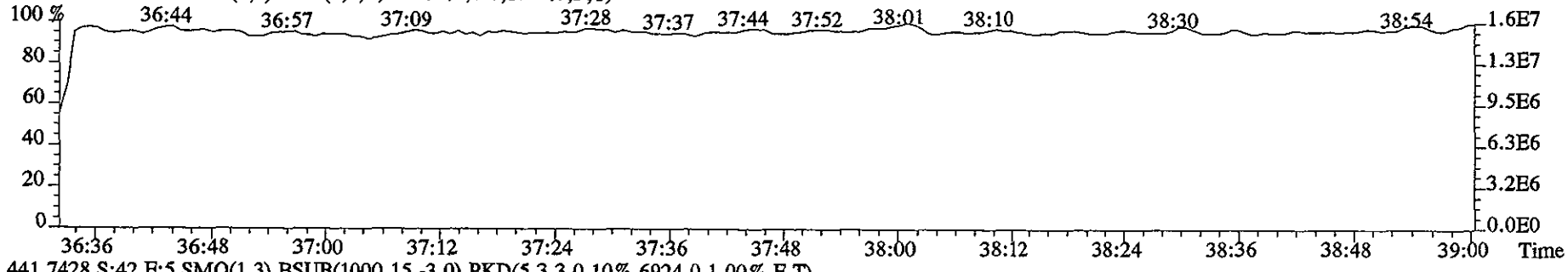
File:07MY104D5 #1-317 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A



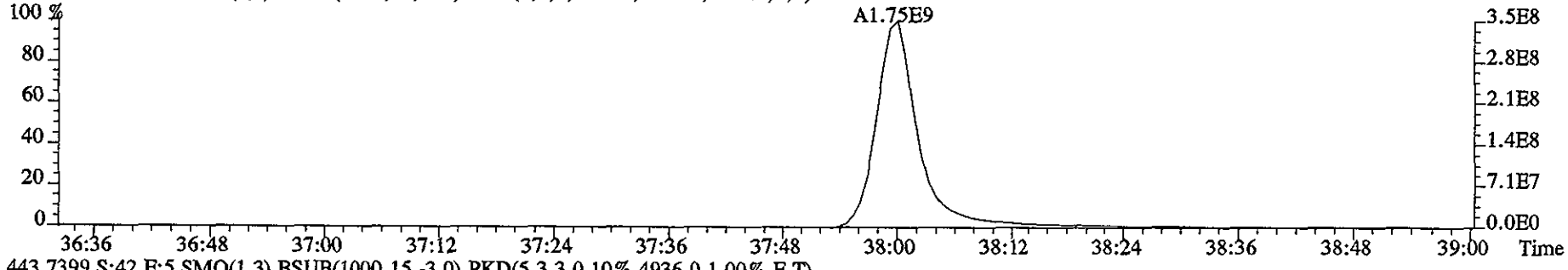
File:07MY104D5 #1-198 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A



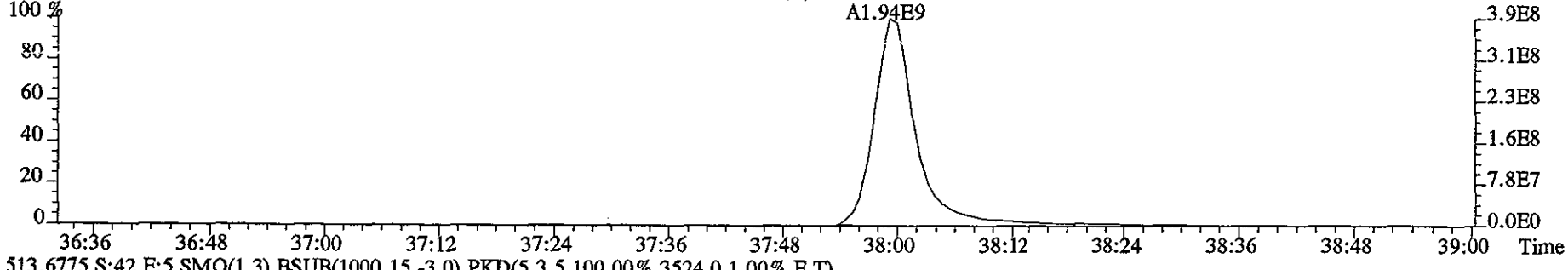
File:07MY104D5 #1-190 Acq: 8-MAY-2010 16:52:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#42 Text:LX50A-1-AE :G0D170485-18 Exp:DIOXINRES8290A
442.9728 S:42 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



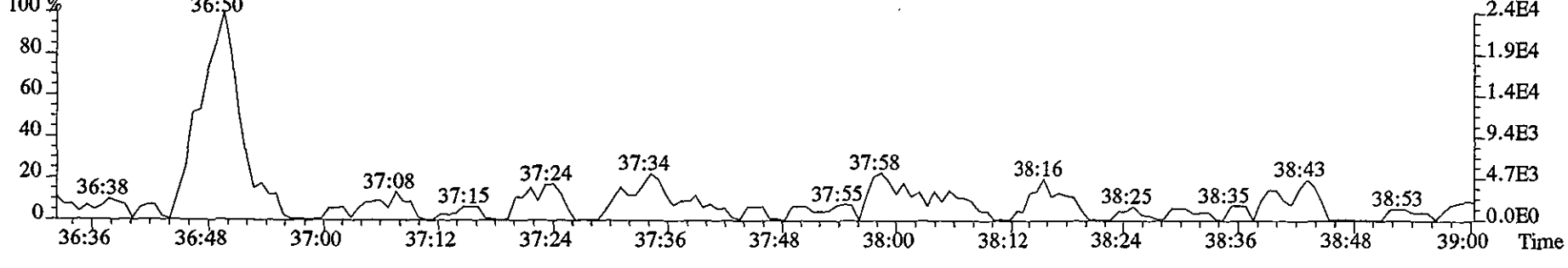
441.7428 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6924.0,1.00%,F,T)



443.7399 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4936.0,1.00%,F,T)



513.6775 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,3524.0,1.00%,F,T)

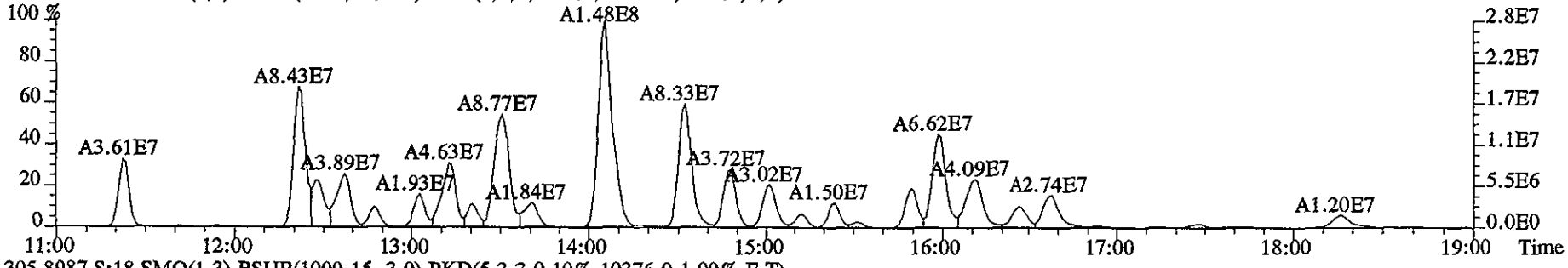


Run text: LX50A-1-AE Sample text: LX50A-1-AE :G0D170485-18 [20X]
Run #20 Filename: 10MY105D2 S: 18 I: 1 Results: 10MY105D2DB225
Acquired: 10-MAY-10 19:12:25 Processed: 10-MAY-10 21:31:29
Run: 10MY105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.5500ng

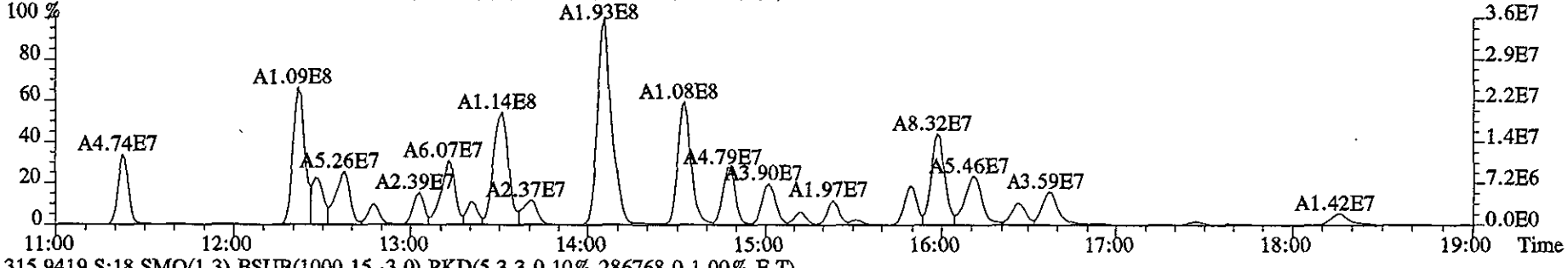
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	10184400	0.76	y	14:49	-	0.97	-	-	n
13C-2,3,7,8-TCDF	24127500	0.76	y	15:58	2.11	106.61	41.16	56.2	n
2,3,7,8-TCDF	149386800	0.80	y	15:59	1.09	1078.37	2.14	-	n
13C-2,3,7,8-TCDD	13216570	0.80	y	14:36	0.95	129.69	4.26	68.4	n
2,3,7,8-TCDD	7645940	0.93	n	14:36	1.36	80.80	2.37	-	n
37Cl-2,3,7,8-TCDD	13196280	1.00	y	14:36	2.28	53.91	2.02	71.1	n

05
05-12-10

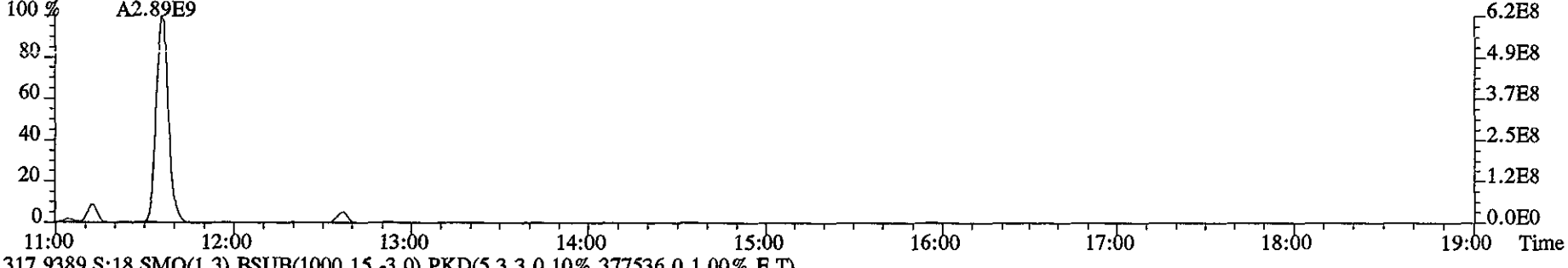
File:10MY105D2 #1-1242 Acq:10-MAY-2010 19:12:25 GC EI+ Voltage SIR 70SE
Sample#18 Text:LX50A-1-AE :G0D170485-18 [20X] Exp:DB225RES
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10104.0,1.00%,F,T)



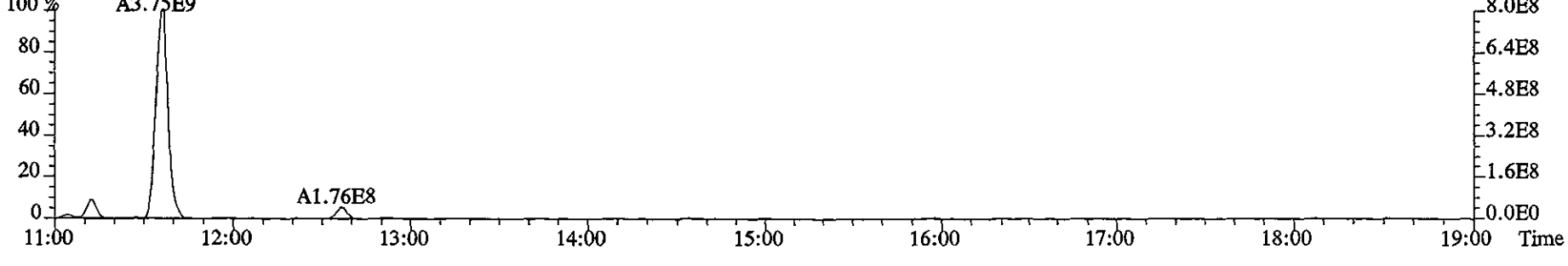
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10376.0,1.00%,F,T)



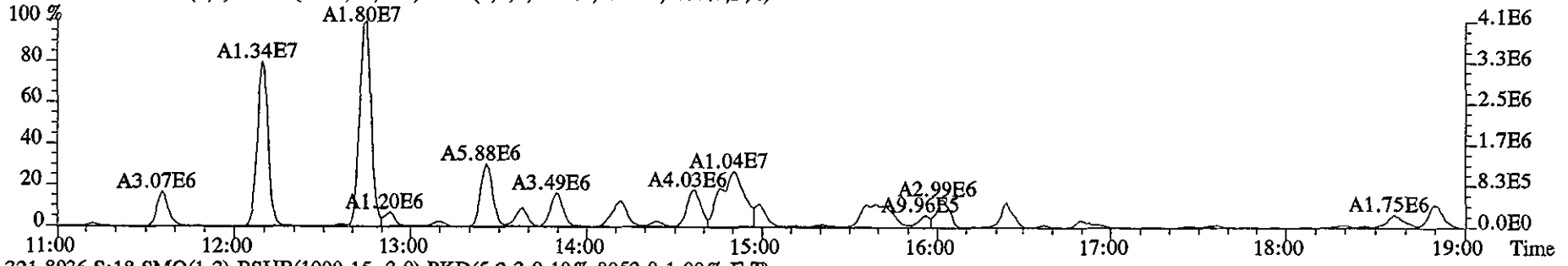
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,286768.0,1.00%,F,T)



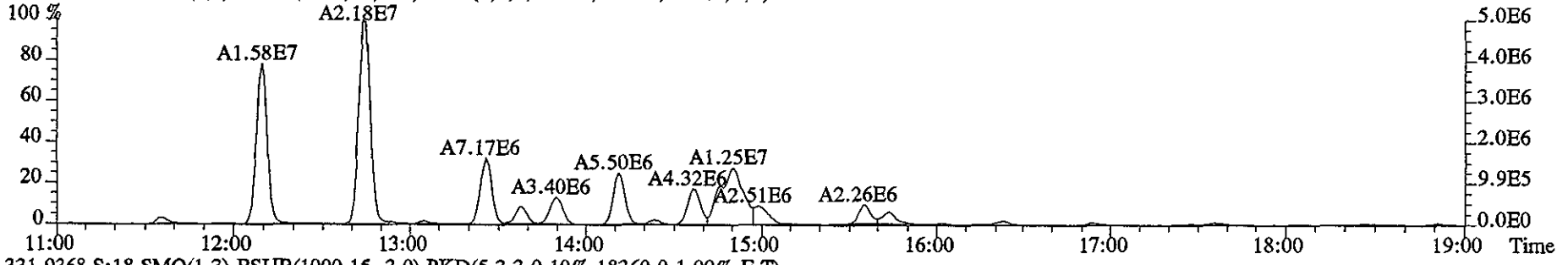
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,377536.0,1.00%,F,T)



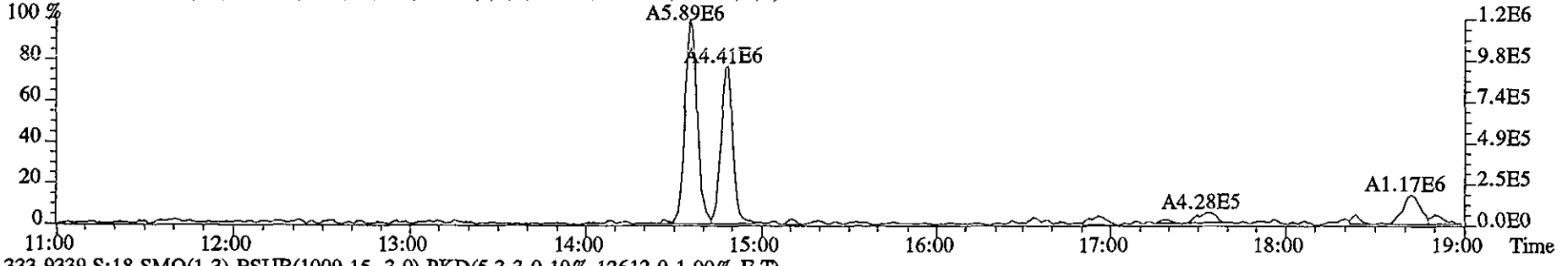
File:10MY105D2 #1-1242 Acq:10-MAY-2010 19:12:25 GC EI+ Voltage SIR 70SE
Sample#18 Text:LX50A-1-AE :G0D170485-18 [20X] Exp:DB225RES
319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7520.0,1.00%,F,T)



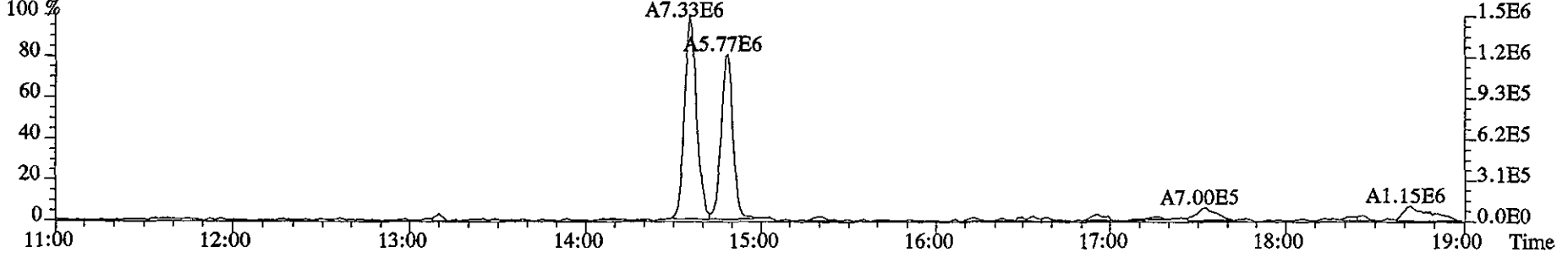
321.8936 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8052.0,1.00%,F,T)

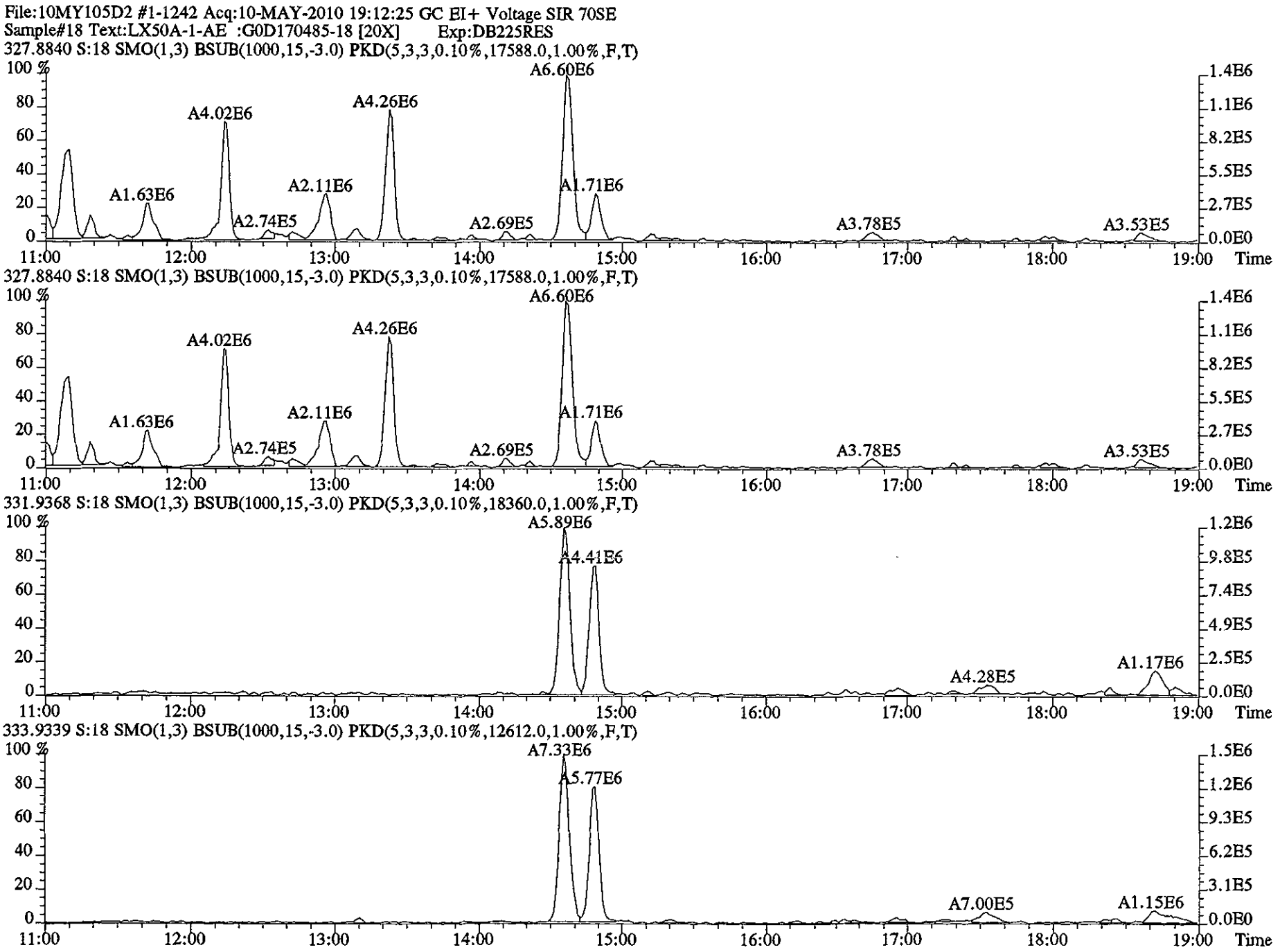


331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18360.0,1.00%,F,T)

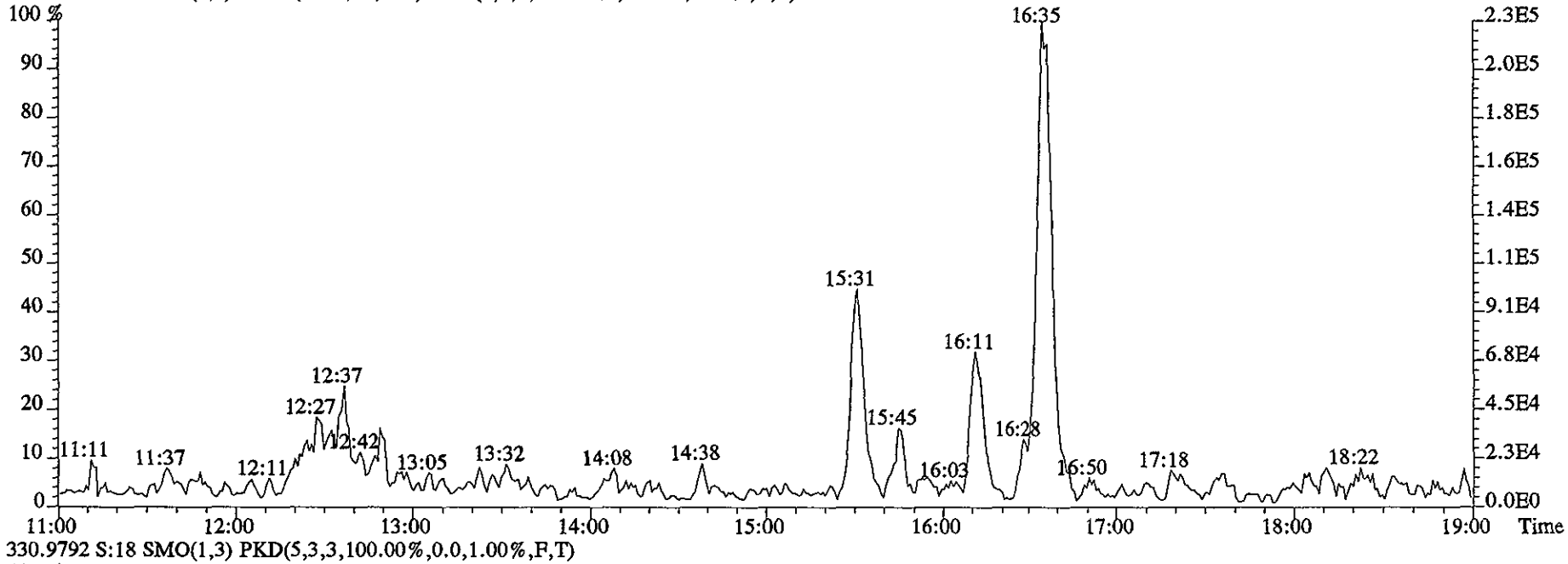


333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12612.0,1.00%,F,T)

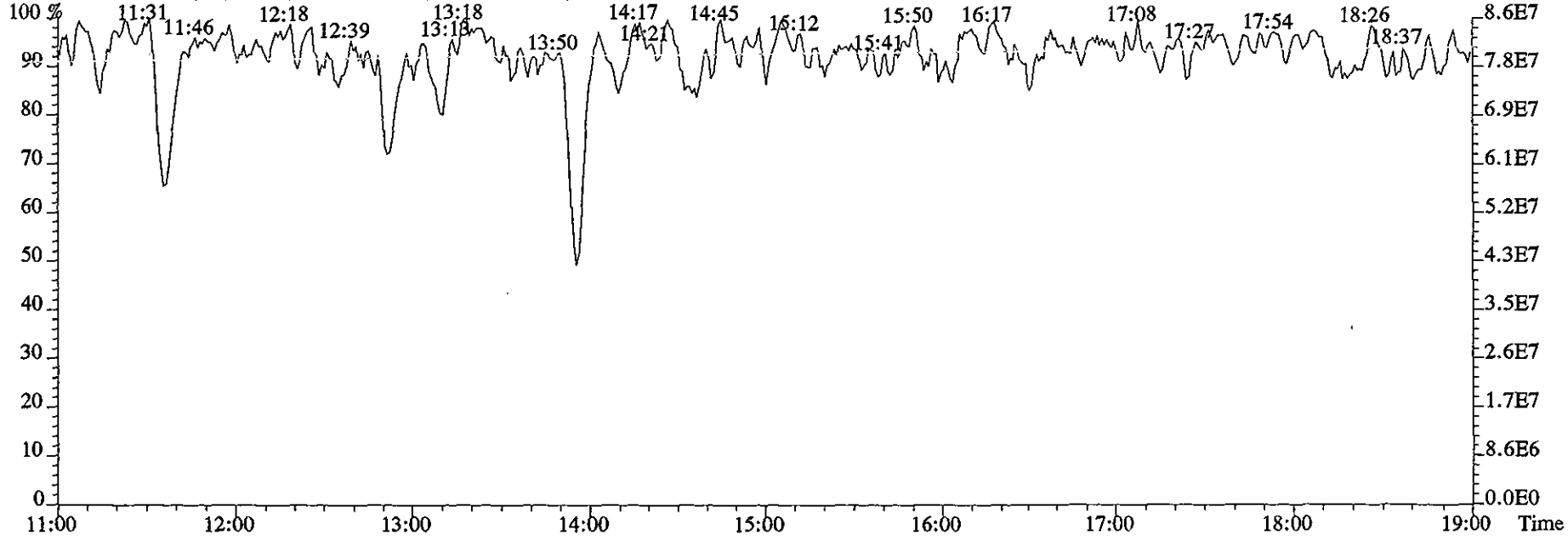




File:10MY105D2 #1-1242 Acq:10-MAY-2010 19:12:25 GC EI+ Voltage SIR 70SE
Sample#18 Text:LX50A-1-AE :G0D170485-18 [20X] Exp:DB225RES
375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,8732.0,1.00%,F,T)



330.9792 S:18 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX8NW-1-AD Sample text: LX8NW-1-AD :G0D200500-55
Run #26 Filename: 03MY10A4D5 S: 24 I: 1 Results: 03MY10A4D58290AVG
Acquired: 4-MAY-10 04:08:03 Processed: 4-MAY-10 09:54:26
Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.02 g

V8 5.4.6

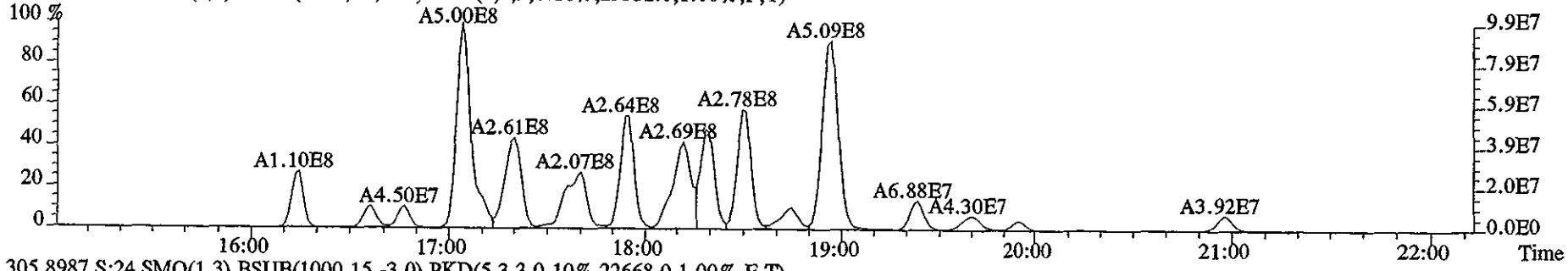
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	112228500	0.81	y	19:29	-	8.42	-	-	n
13C-2,3,7,8-TCDF	236891000	0.79	y	18:55	1.52	138.52	0.21	69.4	n
2,3,7,8-TCDF	1172391000	0.77	y	18:57	0.95	1044.98 See DB225	0.58	-	n
Total TCDF	6839295750	0.77	y	16:15	0.95	~~6096.04~~	0.58	-	n
13C-2,3,7,8-TCDD	167949700	0.79	y	19:42	0.95	157.26	0.16	78.8	n
2,3,7,8-TCDD	13859710	0.77	y	19:43	1.02	16.13 ✓	0.22	-	n
Total TCDD	466935008	0.76	y	17:13	1.02	~~543.~~51	0.22	-	n
37Cl-2,3,7,8-TCDD	169249000	1.00	y	19:43	2.26	66.56	0.20	83.4	n
13C-1,2,3,7,8-PeCDF	187126900	1.60	y	24:32	1.05	158.43 ✓	0.45	79.4	n
1,2,3,7,8-PeCDF	785826000	1.58	y	24:34	1.04	802.30 ✓	9.89	-	n
2,3,4,7,8-PeCDF	427006000	1.57	y	26:03	0.98	463.75 ✓	10.52	-	n
Total F2 PeCDF	5907244197	1.28	n	22:25	1.01	~~6206.~~92	10.19	-	n
Total F1 PeCDF	476848997	0.63	n	19:30	1.01	5~~01.~~88	0.27	-	n
13C-1,2,3,7,8-PeCDD	132166900	1.56	y	26:51	0.67	175.30	0.19	87.8	n
1,2,3,7,8-PeCDD	32863600	1.61	y	26:52	0.98	50.54 ✓	0.78	-	n
Total PeCDD	357570956	1.57	y	23:14	0.98	~~549.95~~	0.78	-	n
13C-1,2,3,7,8,9-HxCDD	95672900	1.23	y	33:04	-	9.29	-	-	n
13C-1,2,3,4,7,8-HxCDF	122301100	0.54	y	31:55	1.02	124.48	1.13	62.4	n
1,2,3,4,7,8-HxCDF	1541509000	1.23	y	31:55	1.21	2074.69 ✓E	30.60	-	n
1,2,3,6,7,8-HxCDF	1033514000	1.27	y	32:03	1.34	1256.15 ✓E	27.63	-	n
2,3,4,6,7,8-HxCDF	222490300	1.26	y	32:36	1.22	297.08 ✓	30.35	-	y
1,2,3,7,8,9-HxCDF	162381900	1.18	y	33:16	1.09	242.58 ✓	33.96	-	y
Total HxCDF	6508013900	1.24	y	30:31	1.22	~~8626.57~~	30.47	-	y
13C-1,2,3,6,7,8-HxCDD	111276100	1.25	y	32:49	0.81	143.83	0.47	72.1	n
1,2,3,4,7,8-HxCDD	19343870	1.24	y	32:45	1.01	34.47 ✓	0.73	-	n
1,2,3,6,7,8-HxCDD	48900400	1.31	y	32:49	1.11	78.74 ✓	0.66	-	n
1,2,3,7,8,9-HxCDD	48337500	1.29	y	33:05	1.21	71.71 ✓	0.61	-	n
Total HxCDD	326436562	1.27	y	31:21	1.11	~~524.~~08	0.66	-	n
13C-1,2,3,4,6,7,8-HpCDF	91935900	0.45	y	34:36	0.86	111.18	0.86	55.7	n
1,2,3,4,6,7,8-HpCDF	2647110000	0.98	y	34:36	1.31	4388.18 ✓E	2.94	-	n
1,2,3,4,7,8,9-HpCDF	963891000	0.99	y	35:43	1.03	2040.39 ✓E	3.75	-	n
Total HpCDF	5158237400	0.98	y	34:36	1.17	~~9305.43~~	3.29	-	n
13C-1,2,3,4,6,7,8-HpCDD	84292500	1.07	y	35:24	0.70	126.06	0.88	63.2	n
1,2,3,4,6,7,8-HpCDD	119802900	1.03	y	35:25	1.07	264.67 ✓	1.20	-	n
Total HpCDD	183723800	1.03	y	34:51	1.07	~~405.~~89	1.20	-	n
13C-OCDD	118718300	0.92	y	37:54	0.53	233.05	1.05	58.4	n
OCDF	4827840000	0.89	y	38:01	1.45	11231.90 ✓E	0.46	-	n

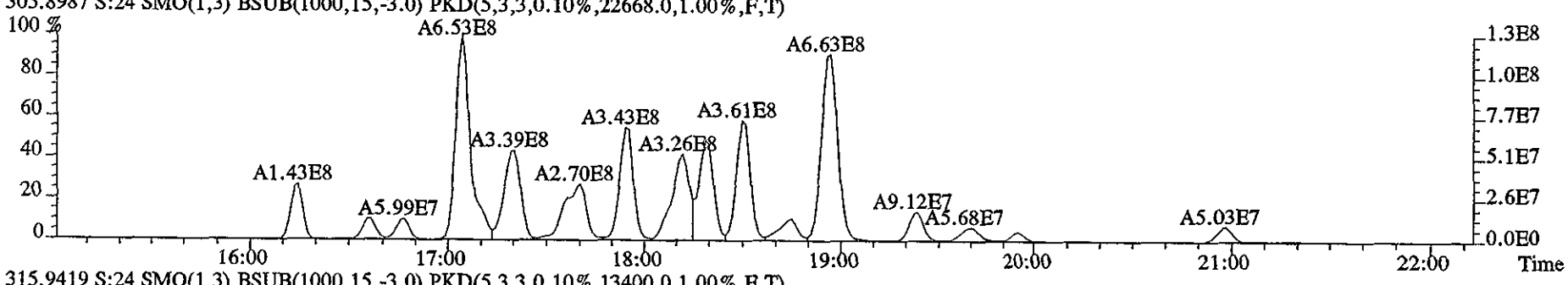
OCDD	98727900	0.91	y	37:55	1.17	284.66 ✓	0.77	-	n

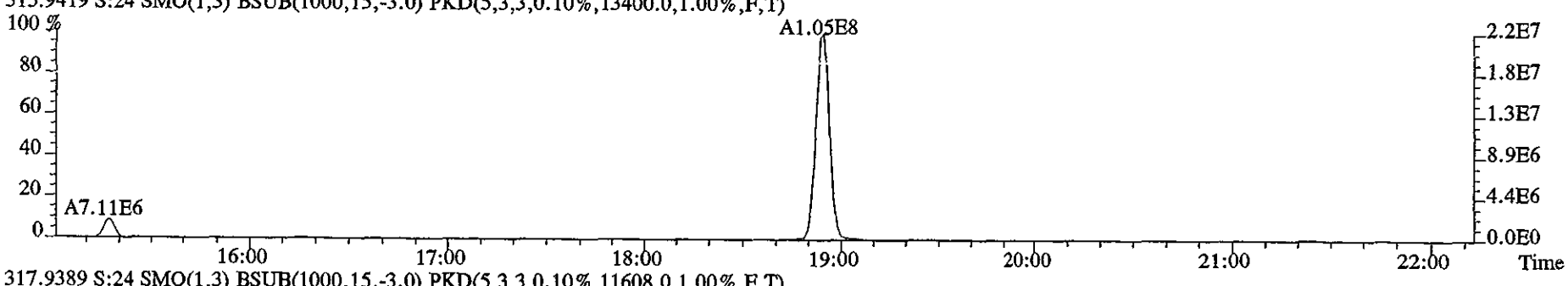
Run text: LX8NW-1-AD Sample text: LX8NW-1-AD :G0D200500-55
Run #26 Filename: 03MY10A4D5 S: 24 I: 1 Results: 03MY10A4D58290A
Acquired: 4-MAY-10 04:08:03 Processed: 4-MAY-10 09:54:26
Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.02 g

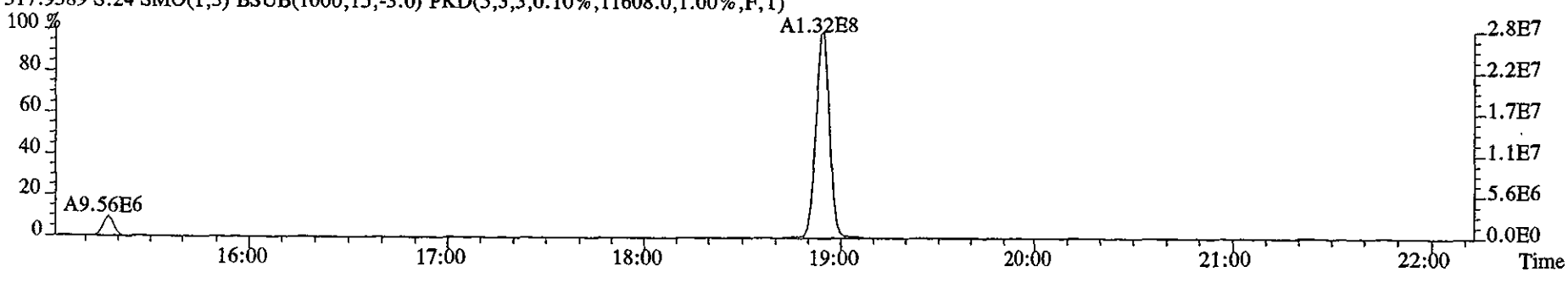
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	112228500	0.81	y	19:29	-	8.4189	-	-	n
13C-2,3,7,8-TCDF	236891000	0.79	y	18:55	1.52	138.5235	0.2109	69.4	n
2,3,7,8-TCDF	1172391000	0.77	y	18:57	0.95	1044.9822	0.5803	-	n
Total TCDF	6839295750	0.77	y	16:15	0.95	6096.0400	0.5803	-	n
13C-2,3,7,8-TCDD	167949700	0.79	y	19:42	0.95	157.2634	0.1595	78.8	n
2,3,7,8-TCDD	13859710	0.77	y	19:43	1.02	16.1326	0.2200	-	n
Total TCDD	466935008	0.76	y	17:13	1.02	543.5078	0.2200	-	n
37Cl-2,3,7,8-TCDD	169249000	1.00	y	19:43	2.26	66.5575	0.1972	83.4	n
13C-1,2,3,7,8-PeCDF	187126900	1.60	y	24:32	1.05	158.4316	0.4453	79.4	n
1,2,3,7,8-PeCDF	785826000	1.58	y	24:34	1.04	802.3005	9.8868	-	n
2,3,4,7,8-PeCDF	427006000	1.57	y	26:03	0.98	463.7482	10.5171	-	n
Total F2 PeCDF	5907244197	1.28	n	22:25	1.01	6206.9187	10.1922	-	n
Total F1 PeCDF	476848997	0.63	n	19:30	1.01	501.8837	0.2682	-	n
13C-1,2,3,7,8-PeCDD	132166900	1.56	y	26:51	0.67	175.2967	0.1875	87.8	n
1,2,3,7,8-PeCDD	32863600	1.61	y	26:52	0.98	50.5449	0.7809	-	n
Total PeCDD	357570956	1.57	y	23:14	0.98	549.9510	0.7809	-	n
13C-1,2,3,7,8,9-HxCDD	95672900	1.23	y	33:04	-	9.2920	-	-	n
13C-1,2,3,4,7,8-HxCDF	122301100	0.54	y	31:55	1.02	124.4825	1.1266	62.4	n
1,2,3,4,7,8-HxCDF	1541509000	1.23	y	31:55	1.21	2074.6927	30.5963	-	n
1,2,3,6,7,8-HxCDF	1033514000	1.27	y	32:03	1.34	1256.1478	27.6303	-	n
2,3,4,6,7,8-HxCDF	535409000	1.23	y	32:33	1.22	714.9061	30.3546	-	n
1,2,3,7,8,9-HxCDF	390064000	1.24	y	33:20	1.09	582.7205	33.9614	-	n
Total HxCDF	6741354900	1.24	y	30:31	1.22	8972.6698	30.4727	-	n
13C-1,2,3,6,7,8-HxCDD	111276100	1.25	y	32:49	0.81	143.8253	0.4728	72.1	n
1,2,3,4,7,8-HxCDD	19343870	1.24	y	32:45	1.01	34.4652	0.7292	-	n
1,2,3,6,7,8-HxCDD	48900400	1.31	y	32:49	1.11	78.7448	0.6590	-	n
1,2,3,7,8,9-HxCDD	48337500	1.29	y	33:05	1.21	71.7147	0.6072	-	n
Total HxCDD	326436562	1.27	y	31:21	1.11	524.0778	0.6614	-	n
13C-1,2,3,4,6,7,8-HpCDF	91935900	0.45	y	34:36	0.86	111.1793	0.8615	55.7	n
1,2,3,4,6,7,8-HpCDF	2647110000	0.98	y	34:36	1.31	4388.1788	2.9353	-	n
1,2,3,4,7,8,9-HpCDF	963891000	0.99	y	35:43	1.03	2040.3870	3.7482	-	n
Total HpCDF	5158237400	0.98	y	34:36	1.17	9305.4255	3.2923	-	n
13C-1,2,3,4,6,7,8-HpCDD	84292500	1.07	y	35:24	0.70	126.0641	0.8814	63.2	n
1,2,3,4,6,7,8-HpCDD	119802900	1.03	y	35:25	1.07	264.6703	1.1982	-	n
Total HpCDD	183723800	1.03	y	34:51	1.07	405.8853	1.1982	-	n
13C-OCDD	118718300	0.92	y	37:54	0.53	233.0506	1.0490	58.4	n
OCDF	4827840000	0.89	y	38:01	1.45	11231.8987	0.4601	-	n
OCDD	98727900	0.91	y	37:55	1.17	284.6575	0.7677	-	n

File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

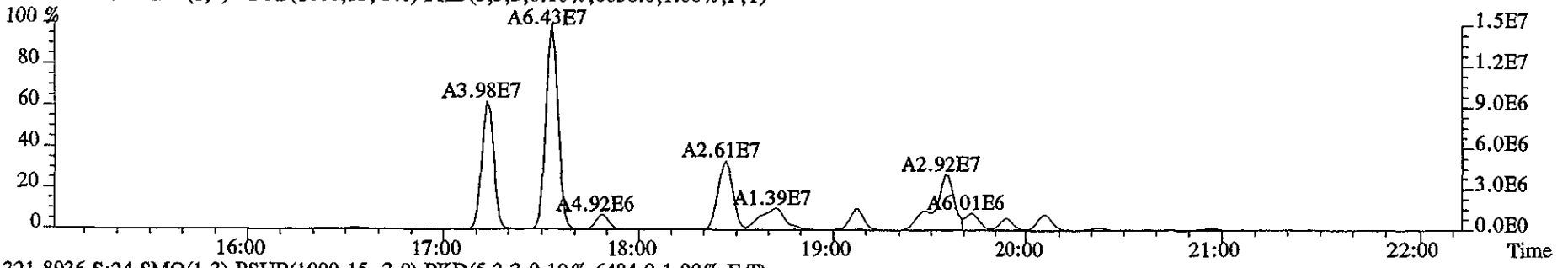


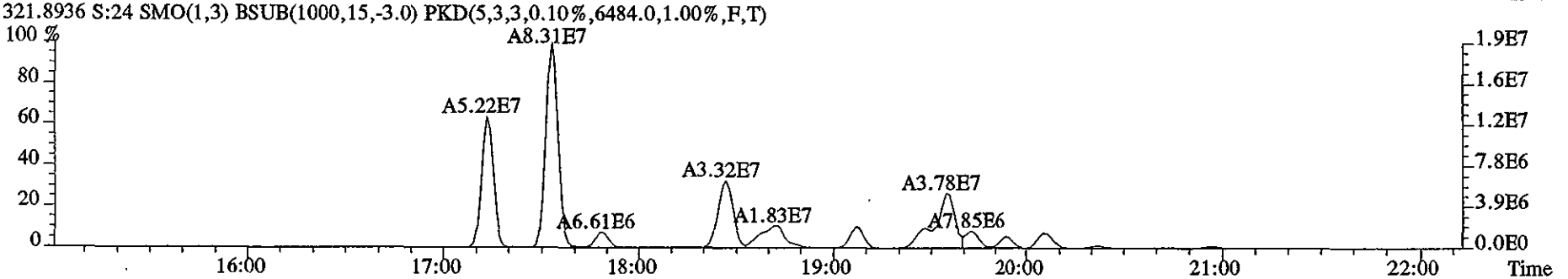


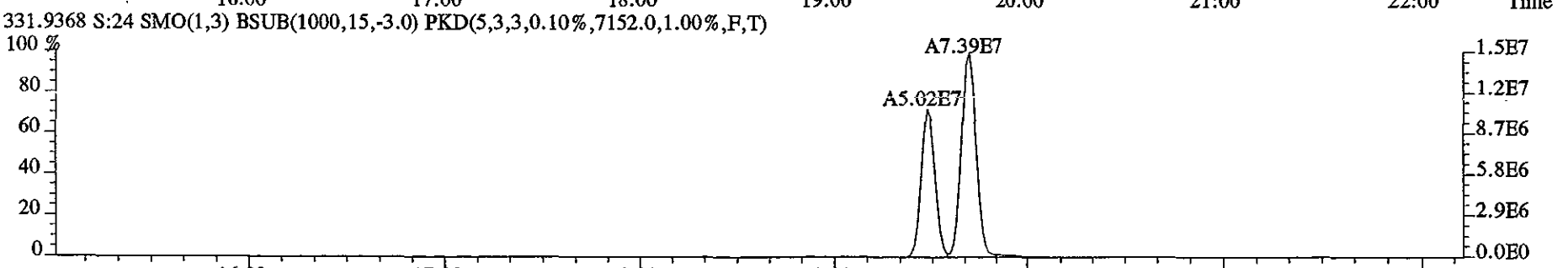


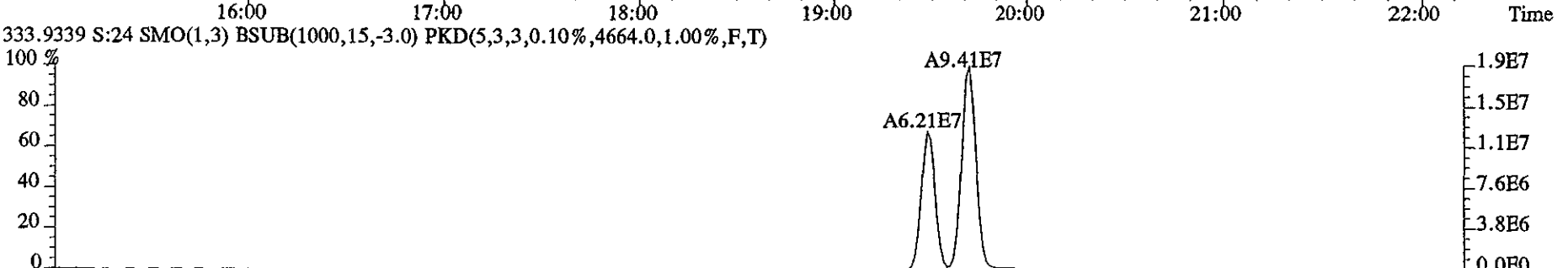


File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

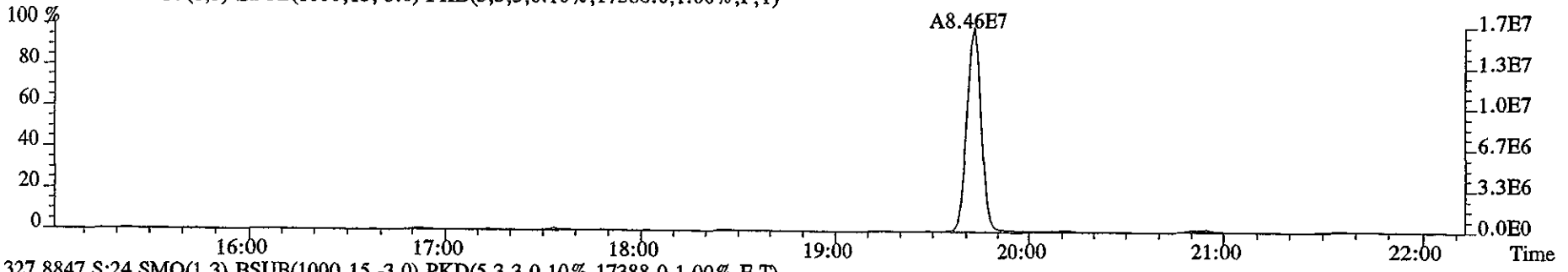




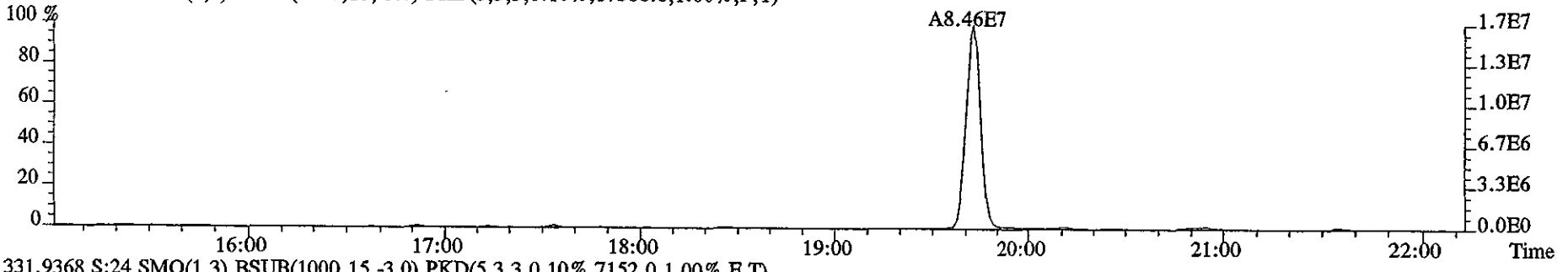




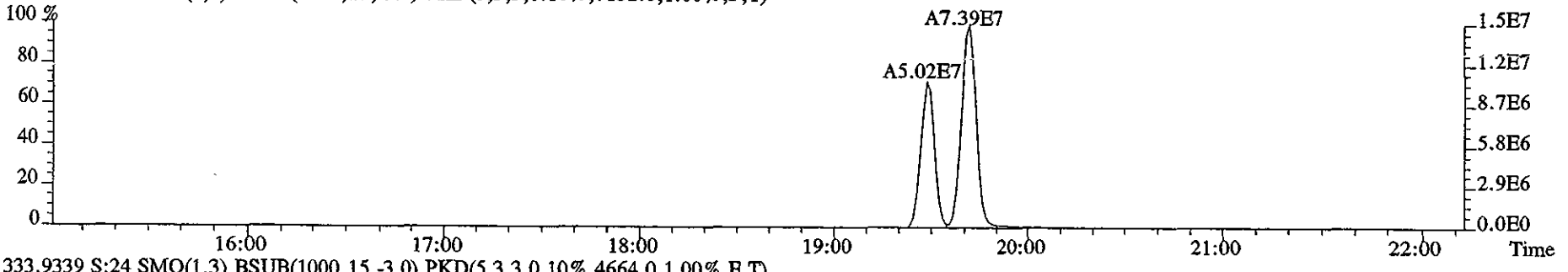
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
327.8847 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17388.0,1.00%,F,T)



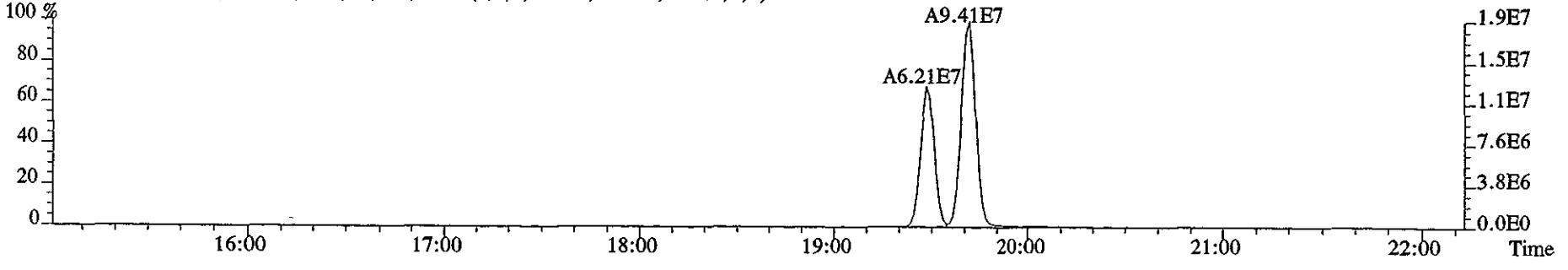
327.8847 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17388.0,1.00%,F,T)



331.9368 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7152.0,1.00%,F,T)

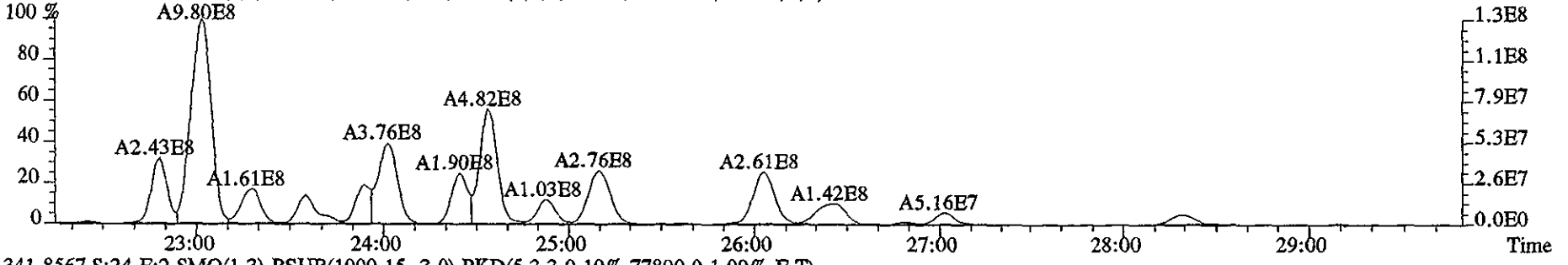


333.9339 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4664.0,1.00%,F,T)

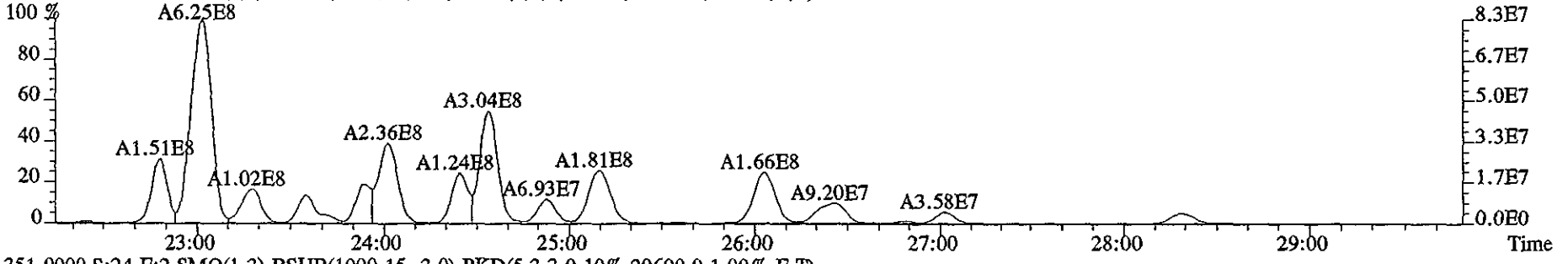


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

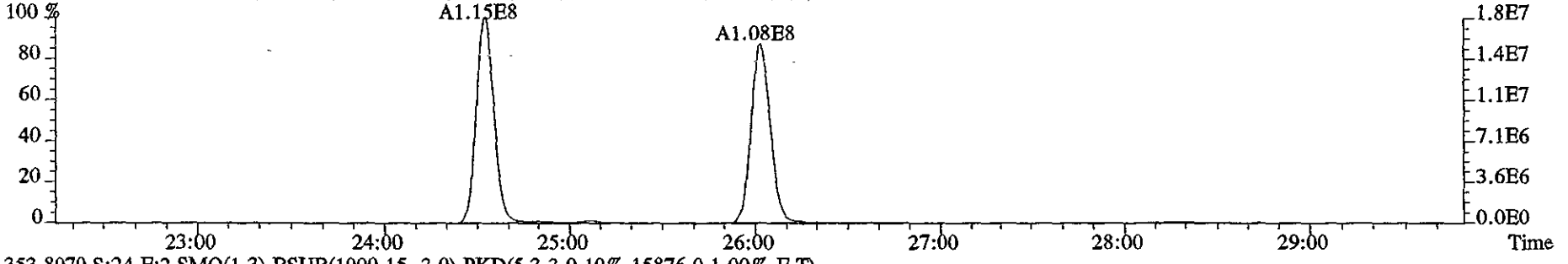
339.8597 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,425264.0,1.00%,F,T)



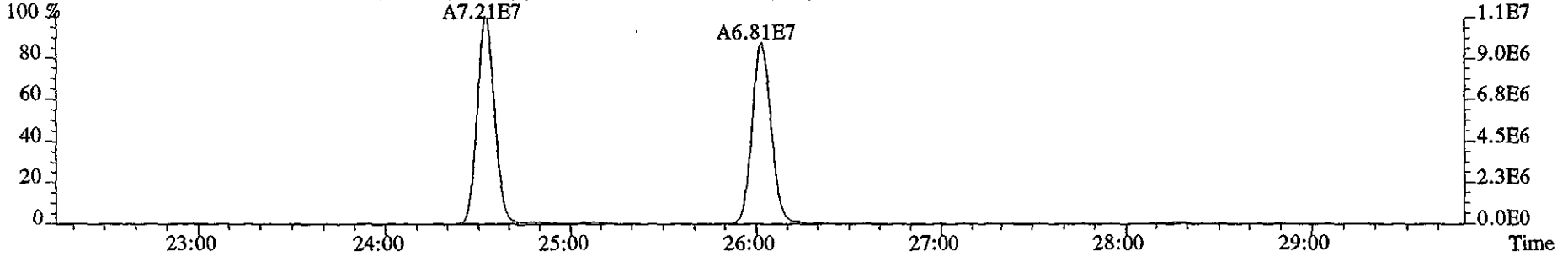
341.8567 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,77800.0,1.00%,F,T)



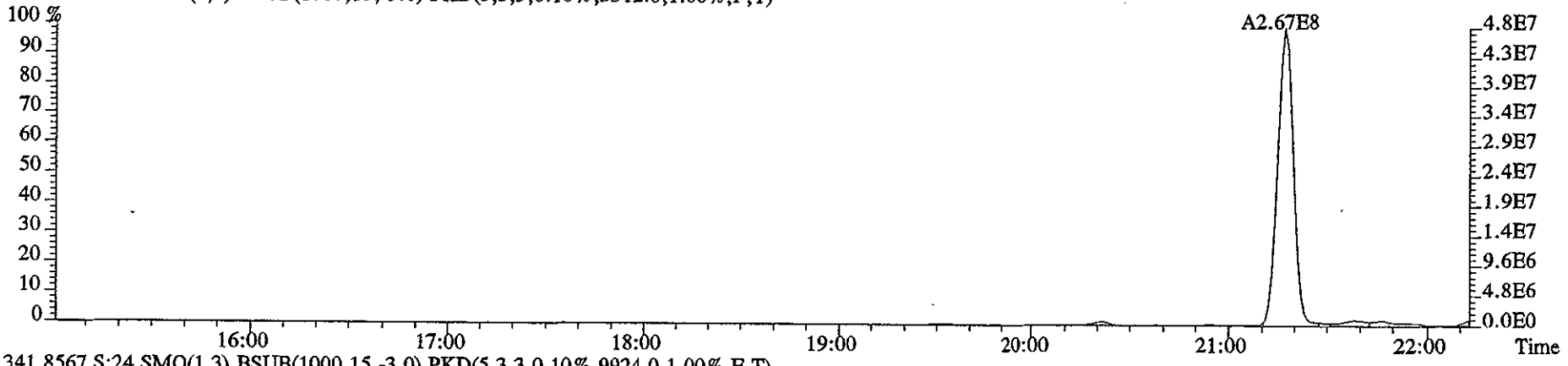
351.9000 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20600.0,1.00%,F,T)



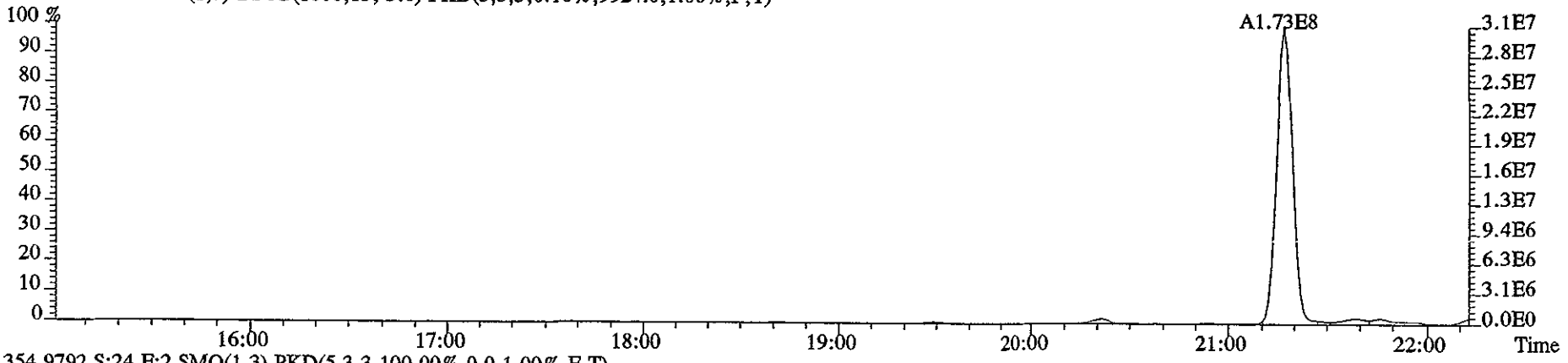
353.8970 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15876.0,1.00%,F,T)



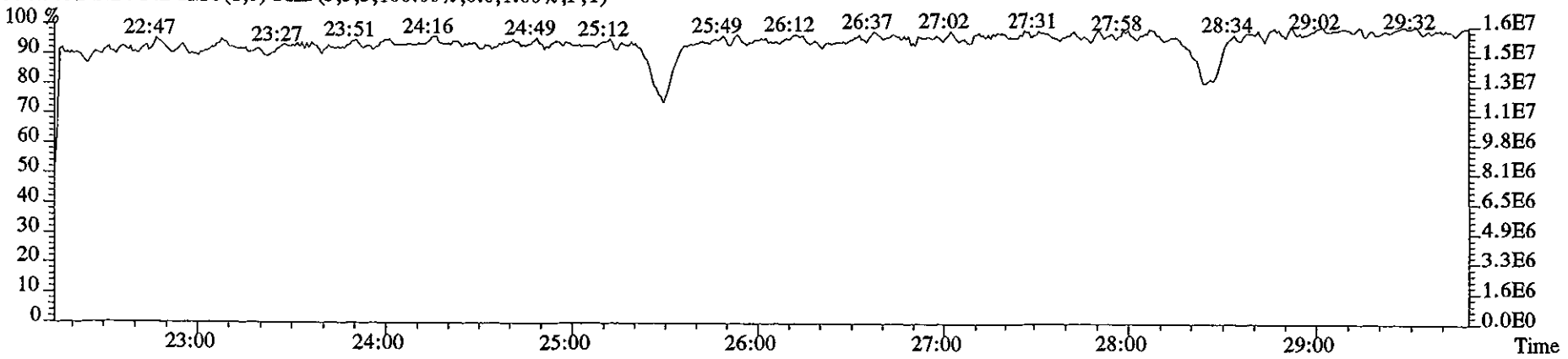
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
339.8597 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3312.0,1.00%,F,T)



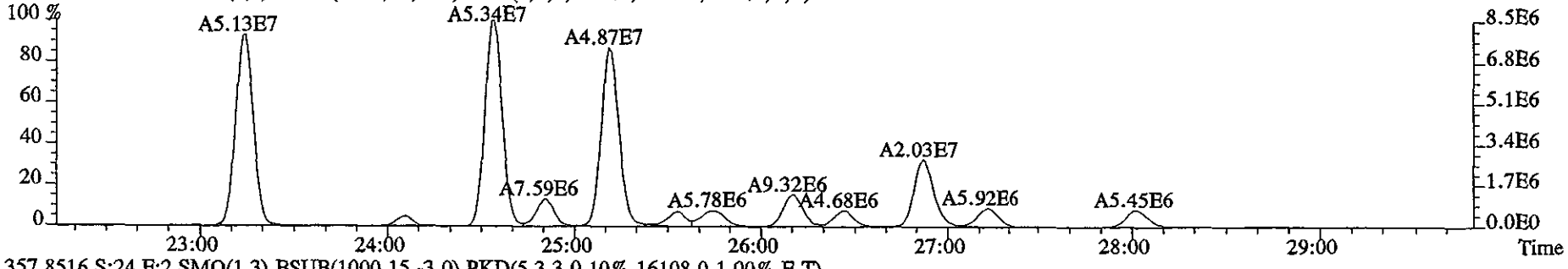
341.8567 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9924.0,1.00%,F,T)

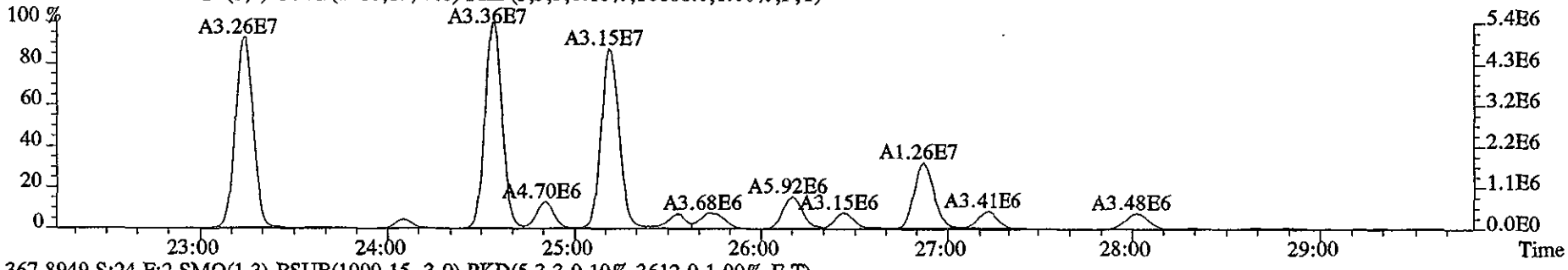


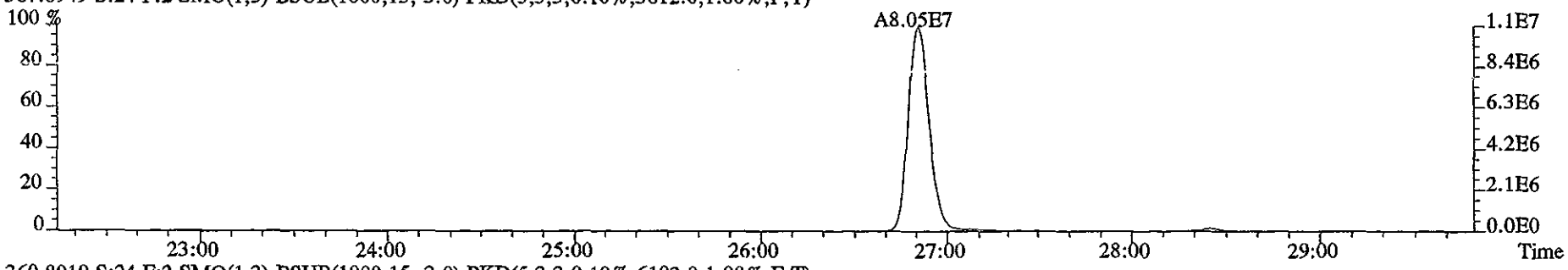
354.9792 S:24 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

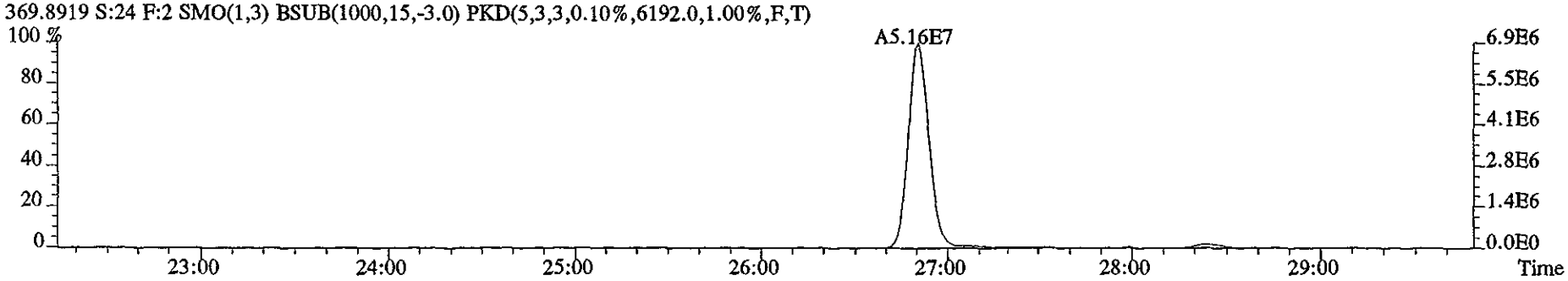


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

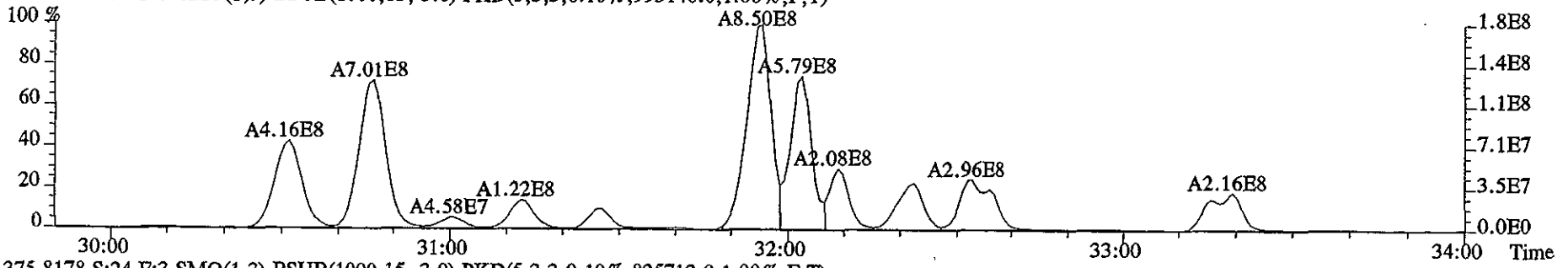




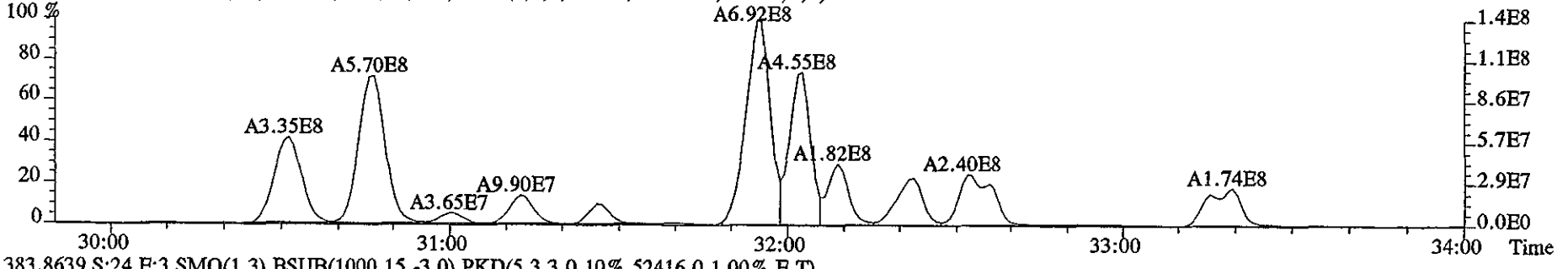




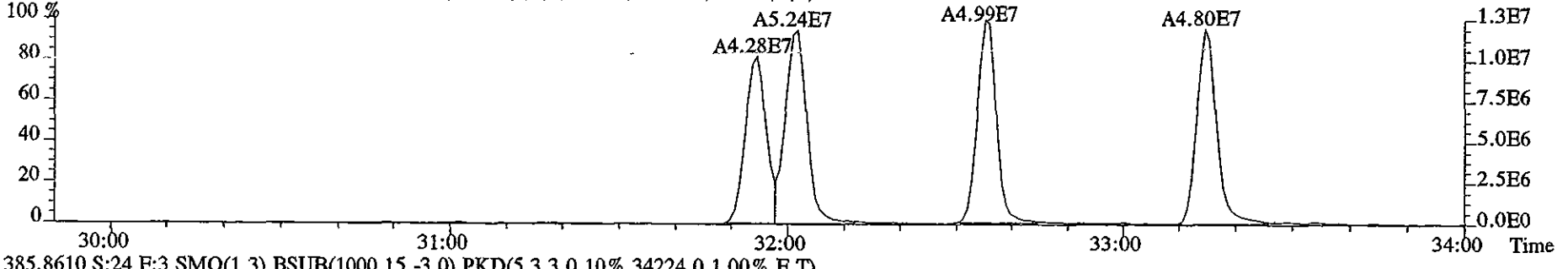
File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,993140.0,1.00%,F,T)



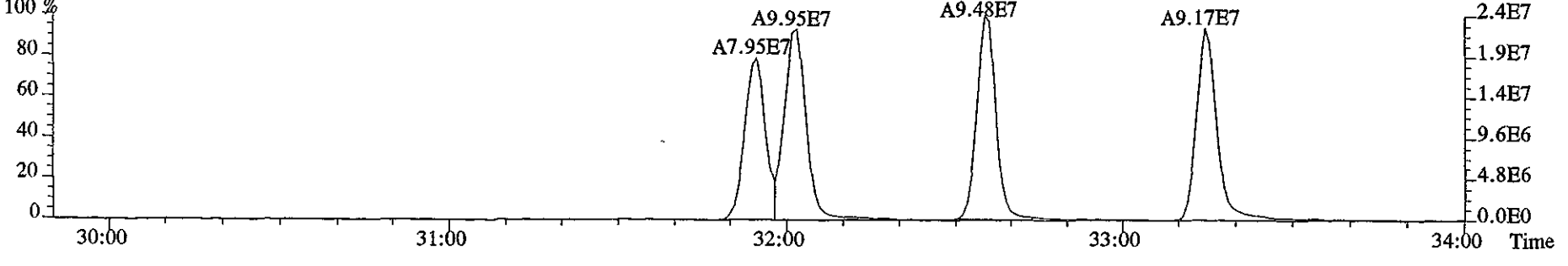
375.8178 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,825712.0,1.00%,F,T)



383.8639 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52416.0,1.00%,F,T)

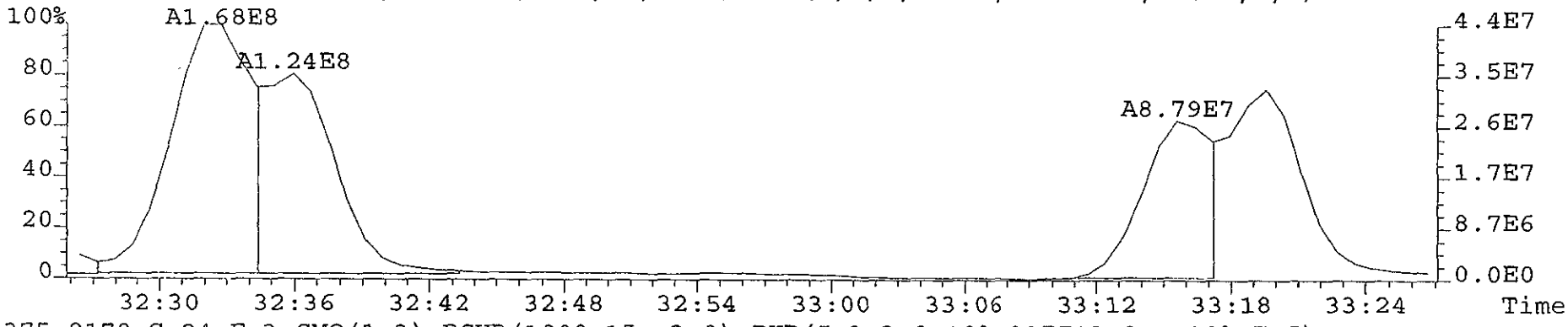


385.8610 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34224.0,1.00%,F,T)

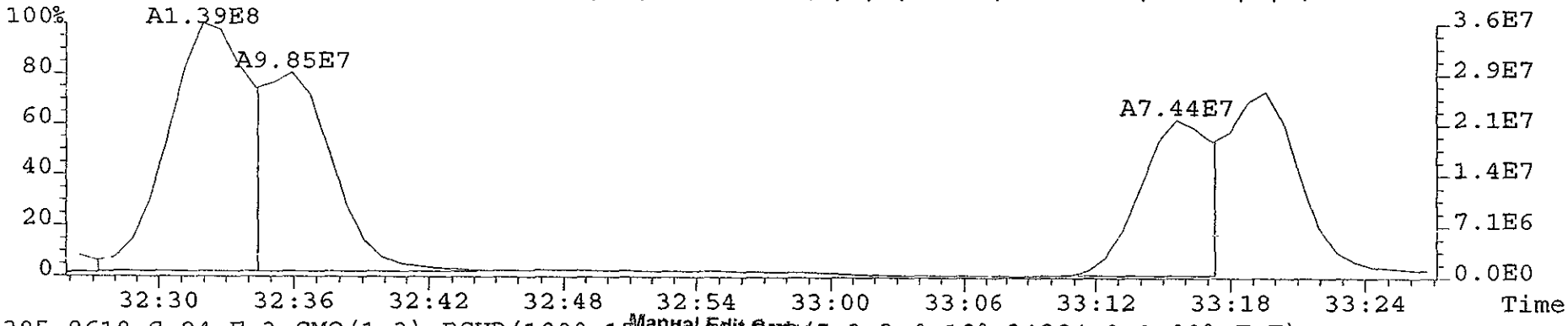


File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

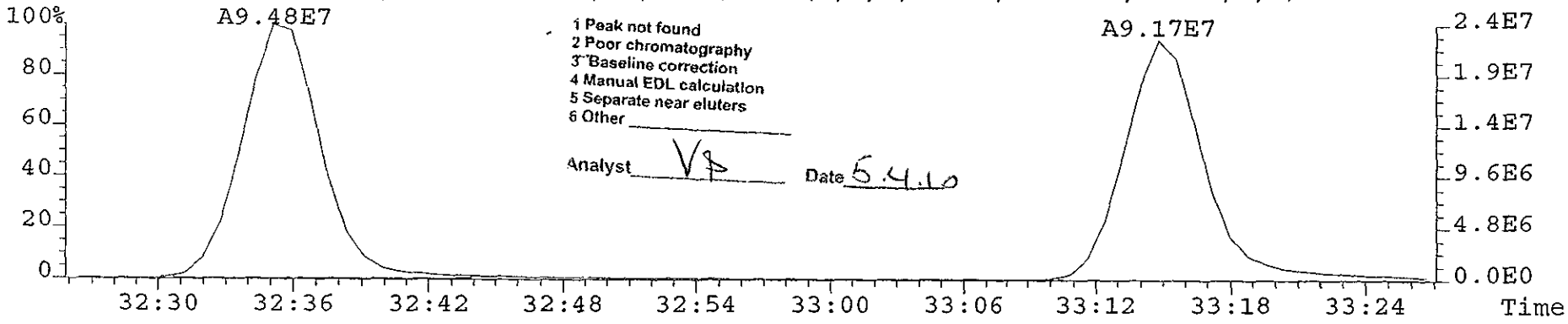
373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,993140.0,1.00%,F,T)



375.8178 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,825712.0,1.00%,F,T)



385.8610 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34224.0,1.00%,F,T)



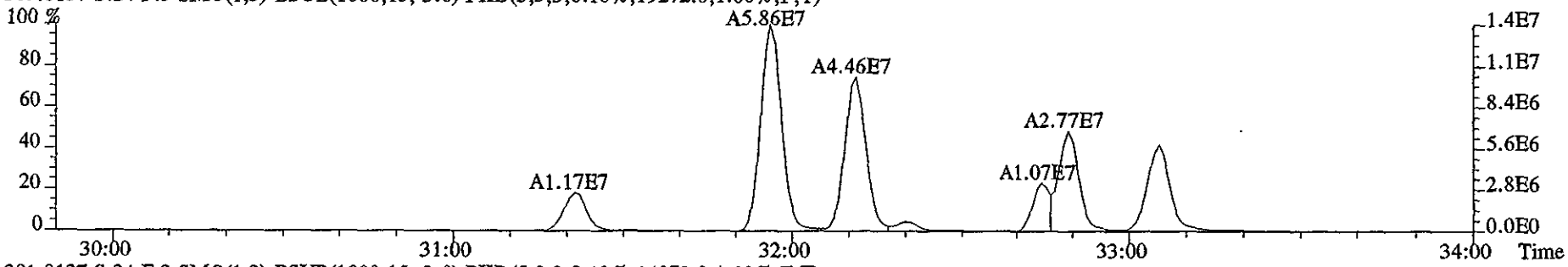
Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

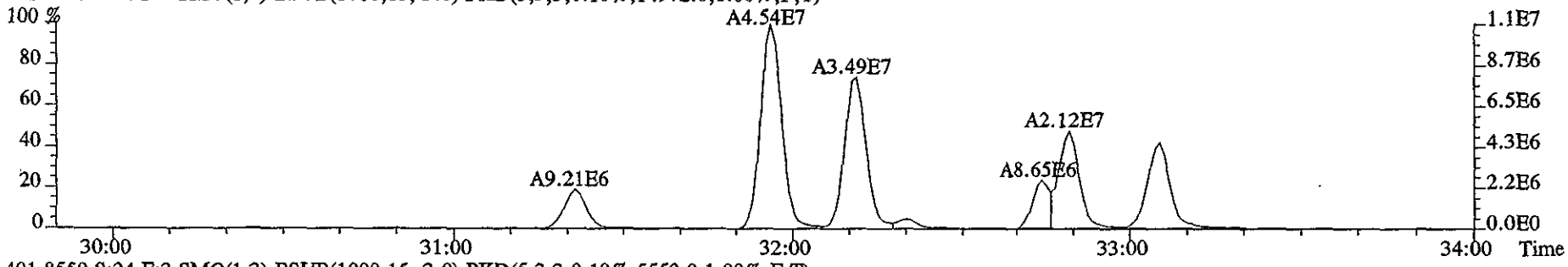
Analyst VB Date 5.4.10

File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

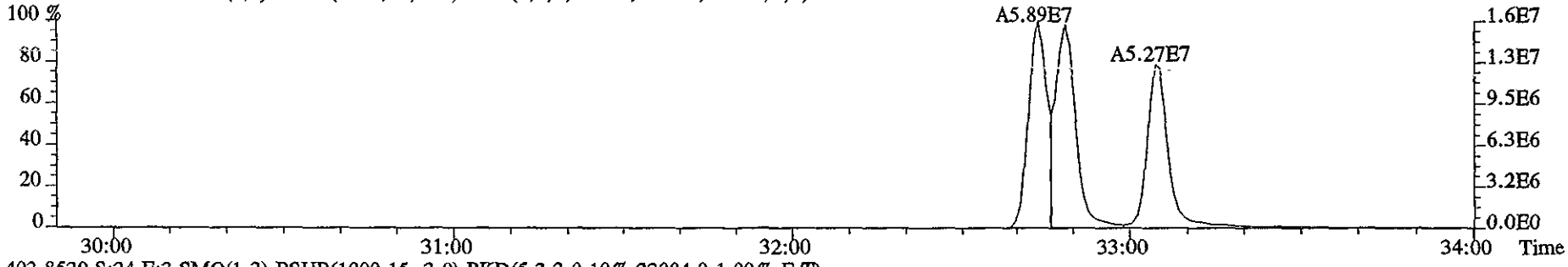
389.8157 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19272.0,1.00%,F,T)



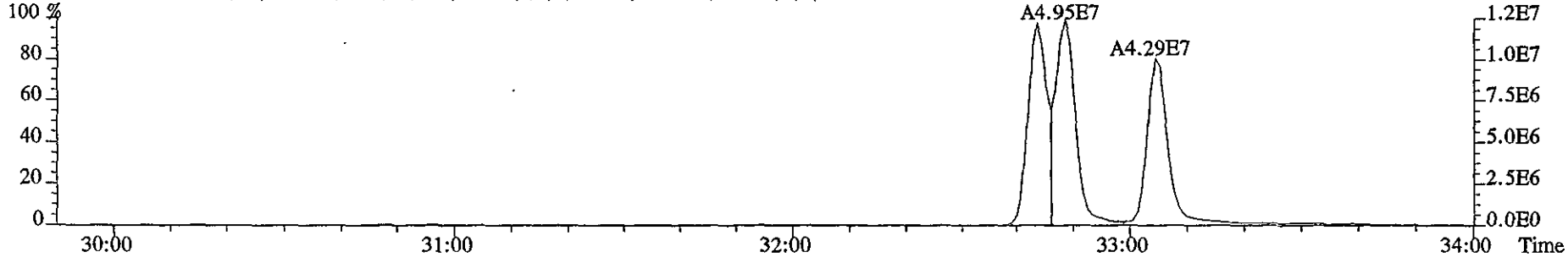
391.8127 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14972.0,1.00%,F,T)



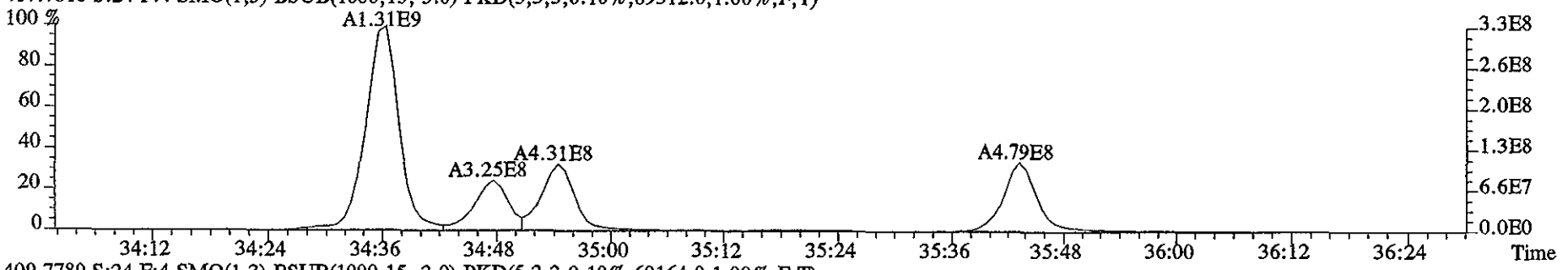
401.8559 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5552.0,1.00%,F,T)

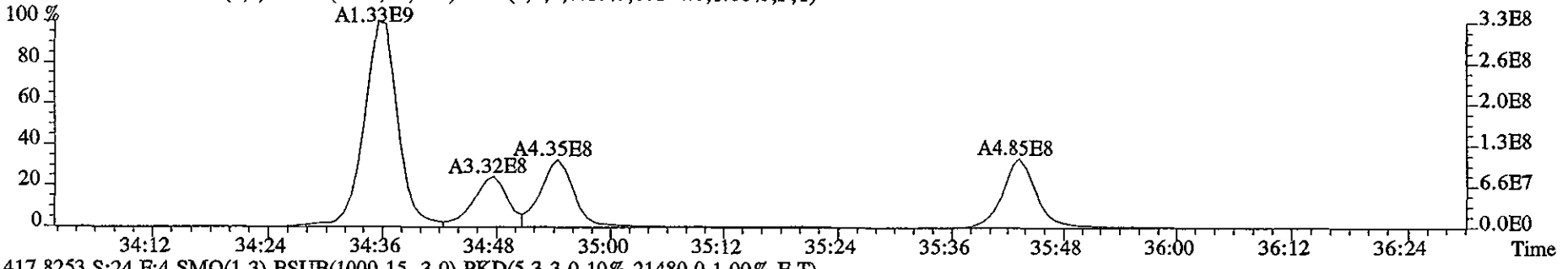


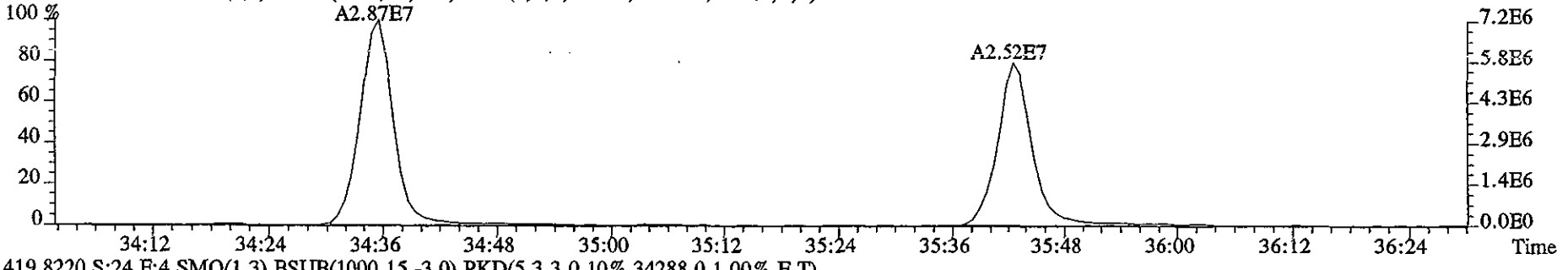
403.8529 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23084.0,1.00%,F,T)

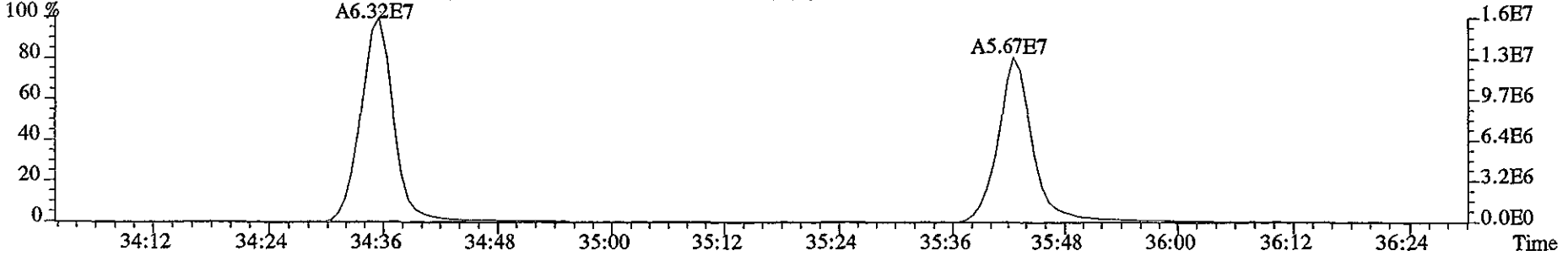


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

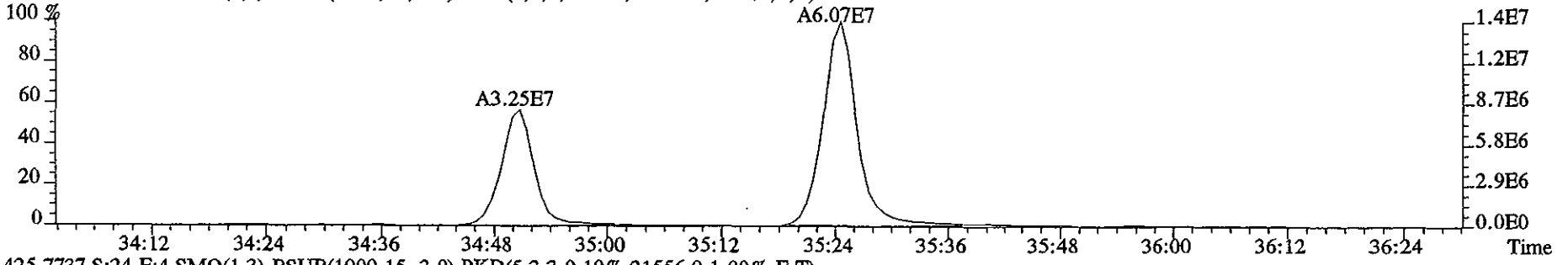




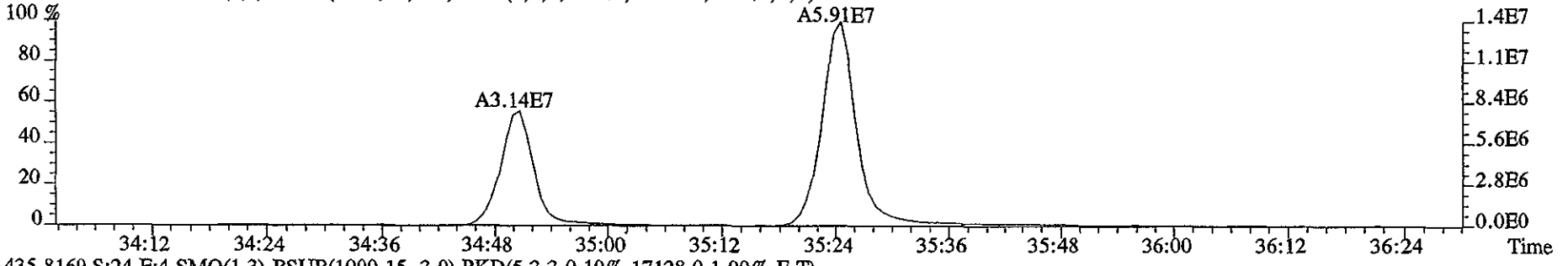




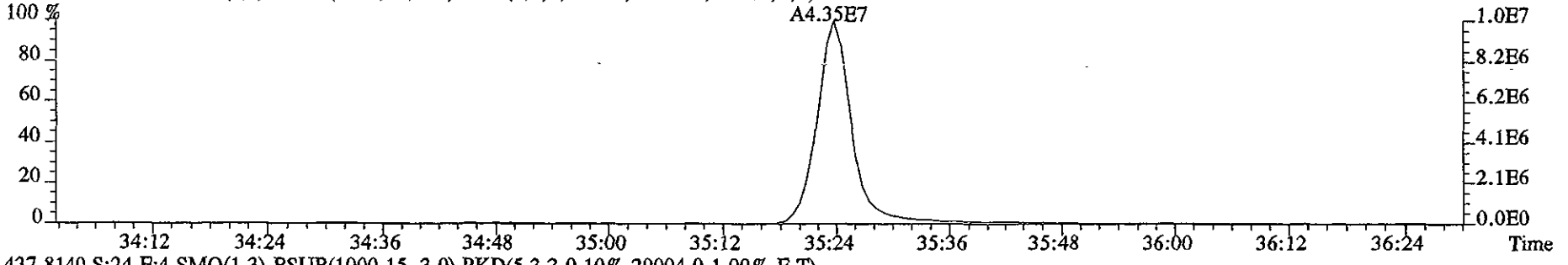
File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
423.7766 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21432.0,1.00%,F,T)



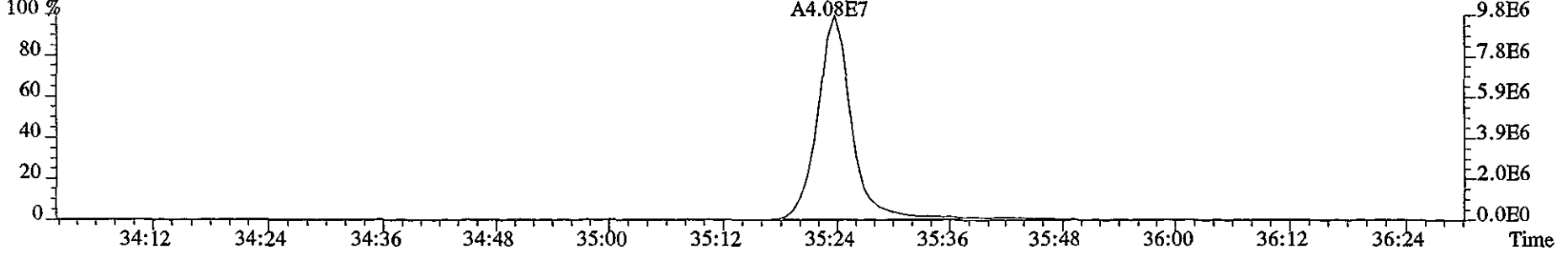
425.7737 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21556.0,1.00%,F,T)



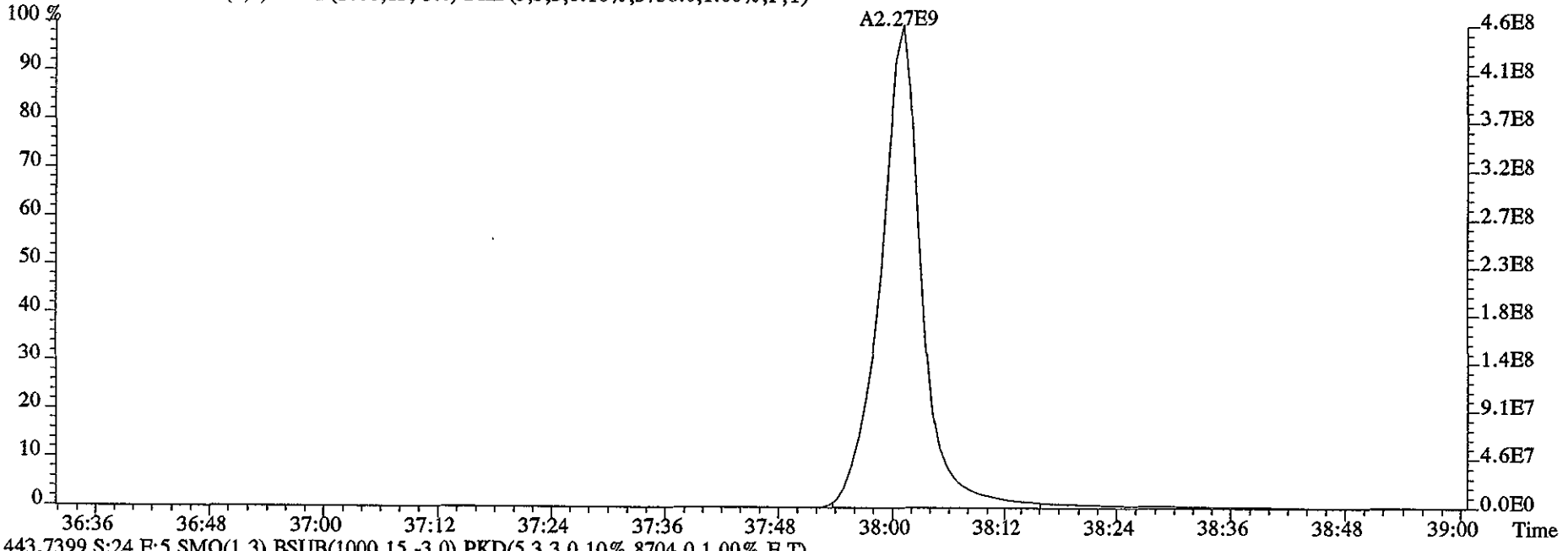
435.8169 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17128.0,1.00%,F,T)



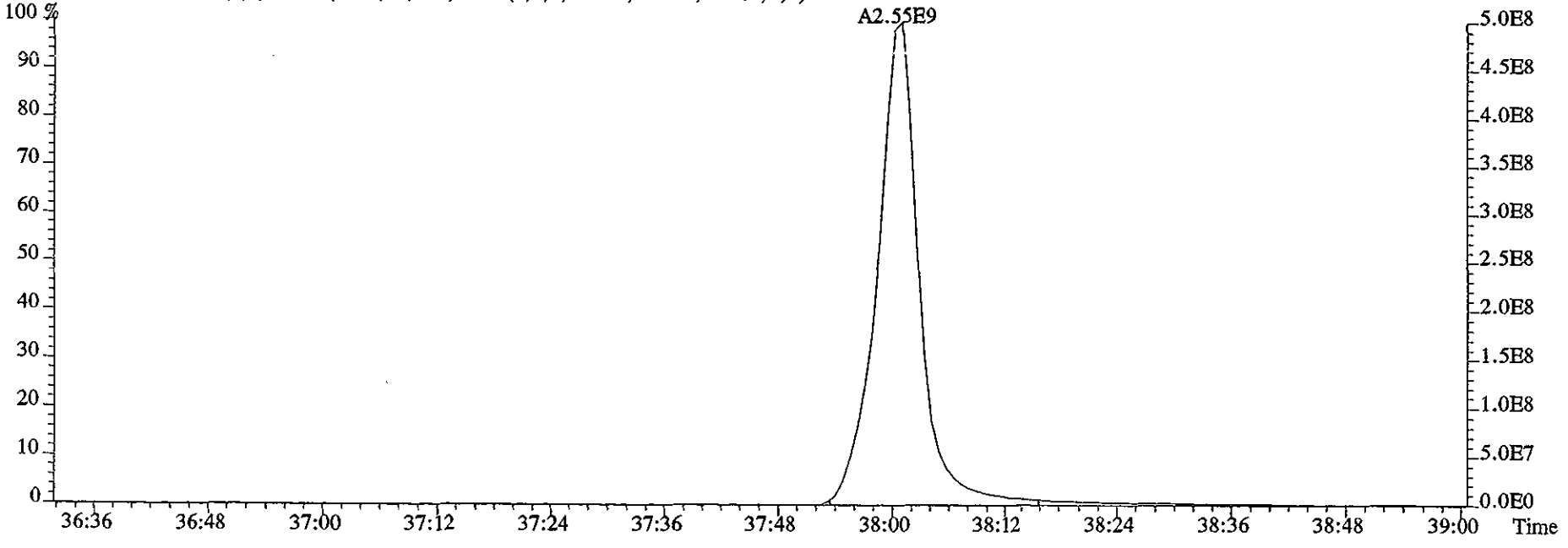
437.8140 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29004.0,1.00%,F,T)



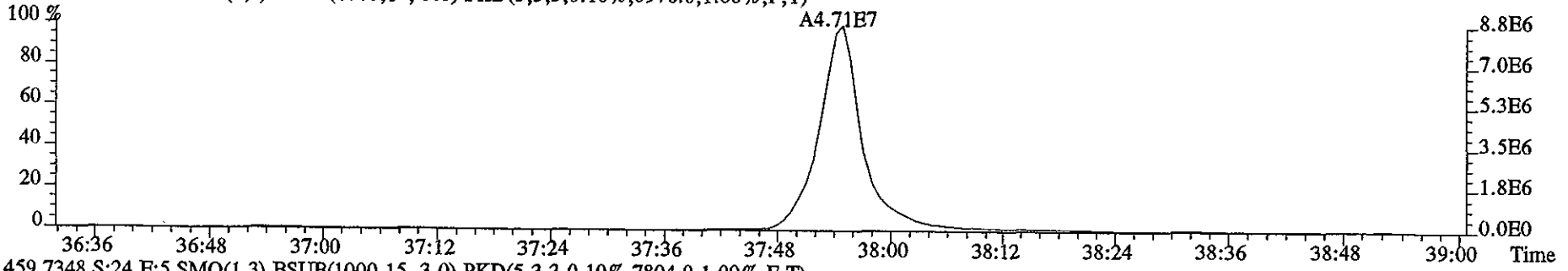
File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
441.7428 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3756.0,1.00%,F,T)



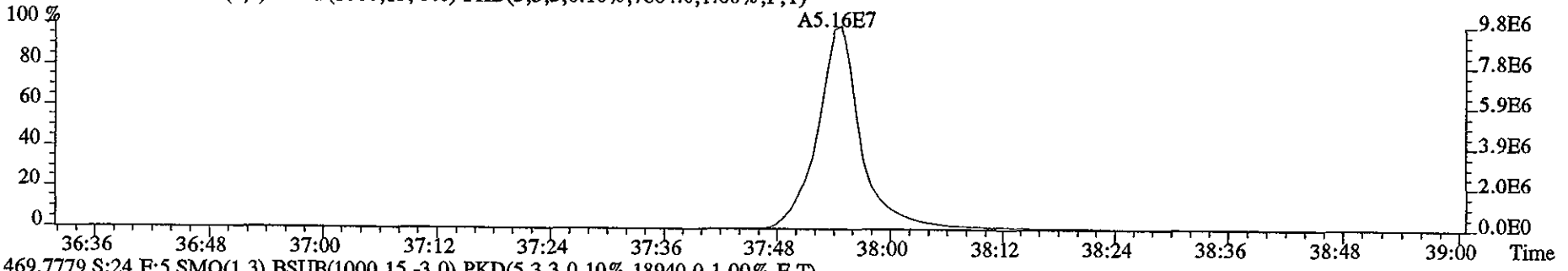
443.7399 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8704.0,1.00%,F,T)



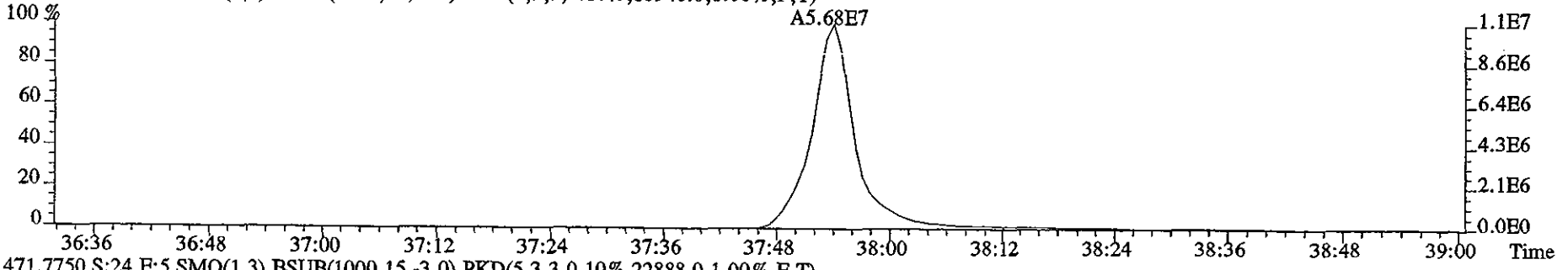
File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
457.7377 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8976.0,1.00%,F,T)



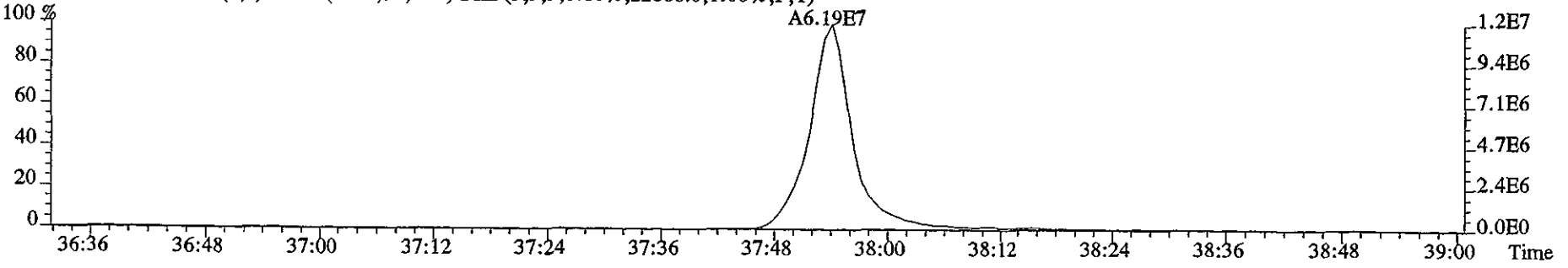
459.7348 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7804.0,1.00%,F,T)



469.7779 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18940.0,1.00%,F,T)

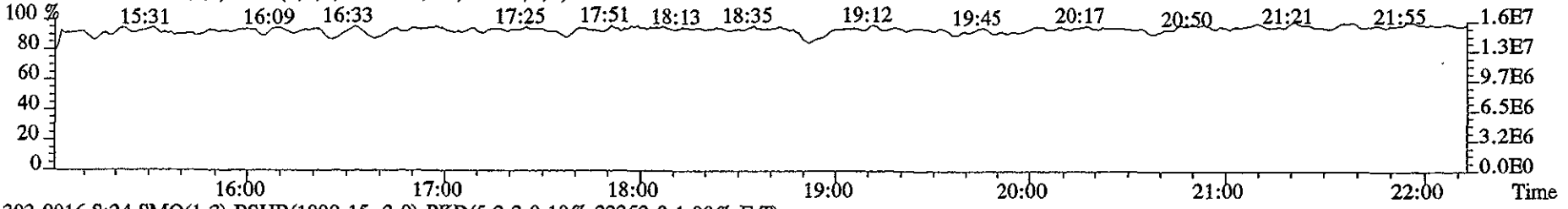


471.7750 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22888.0,1.00%,F,T)

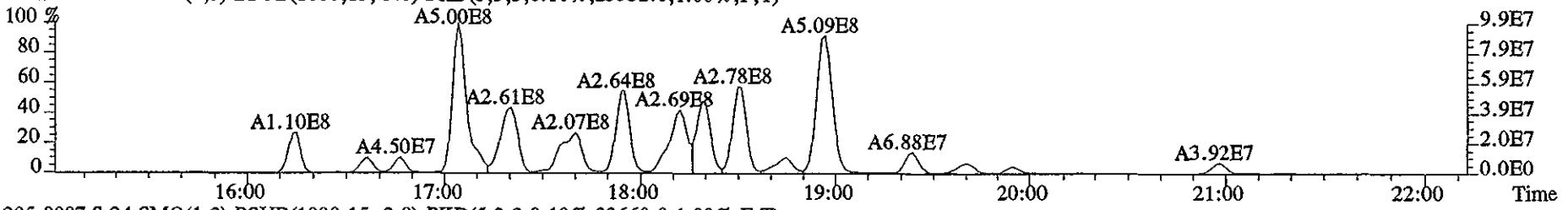


File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

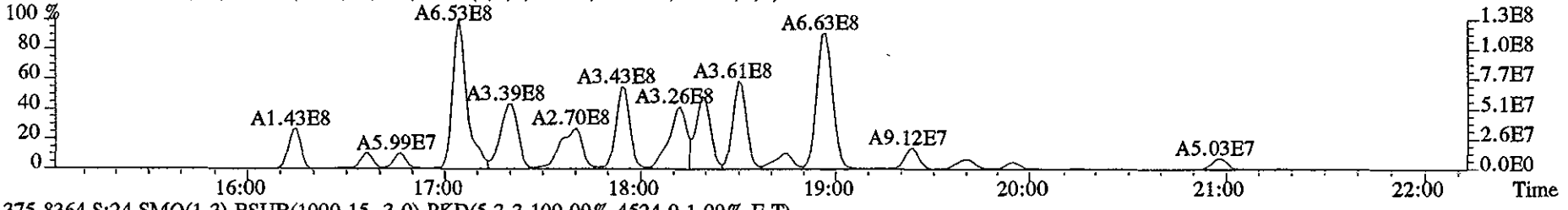
354.9792 S:24 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



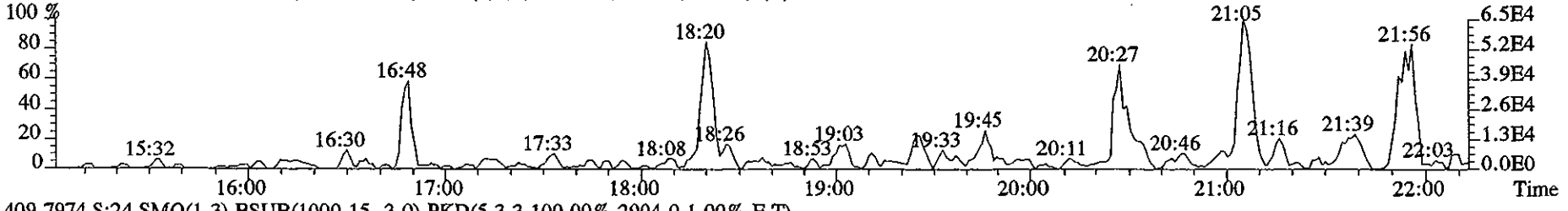
303.9016 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23352.0,1.00%,F,T)



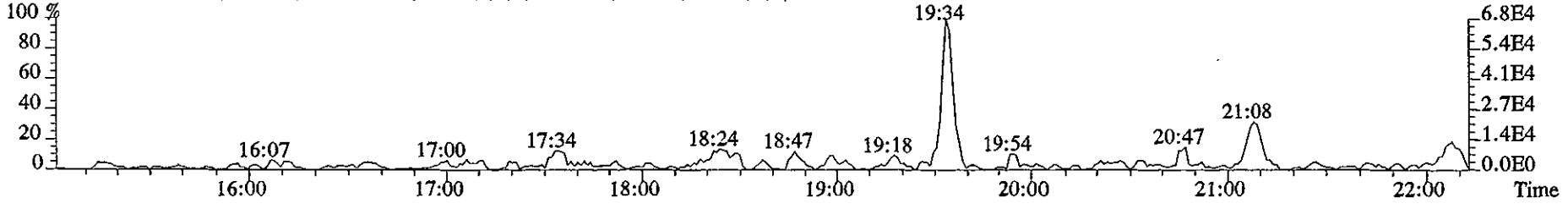
305.8987 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22668.0,1.00%,F,T)



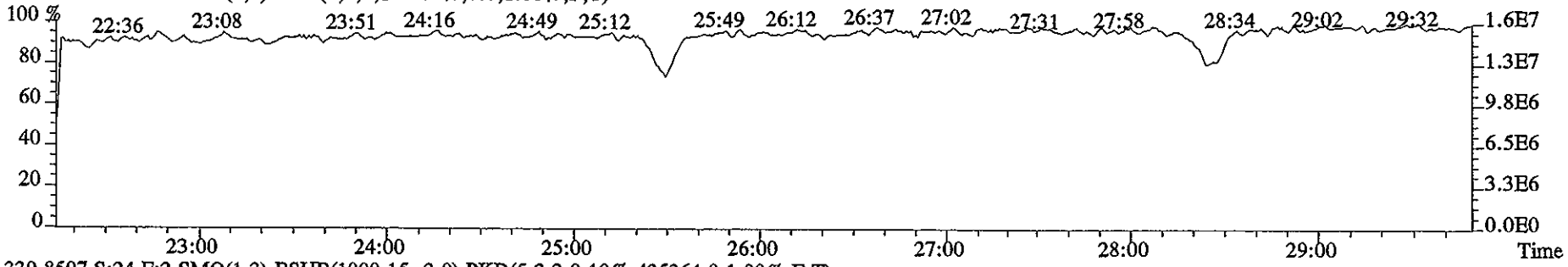
375.8364 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4524.0,1.00%,F,T)



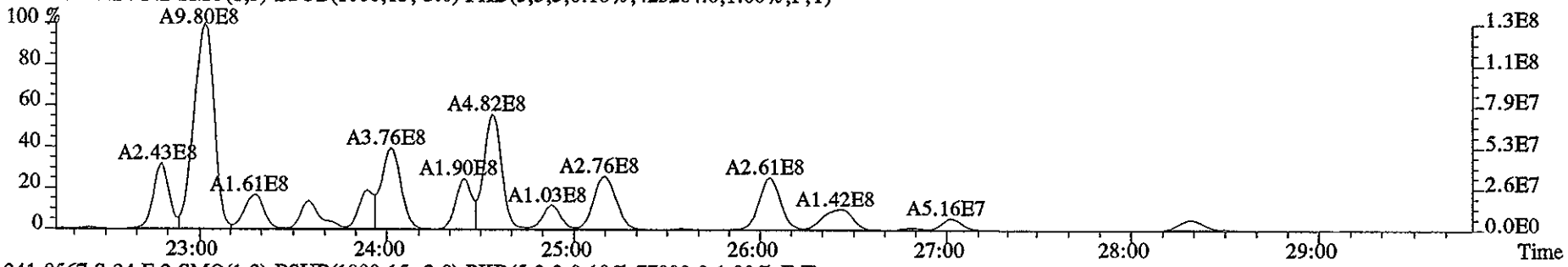
409.7974 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2904.0,1.00%,F,T)



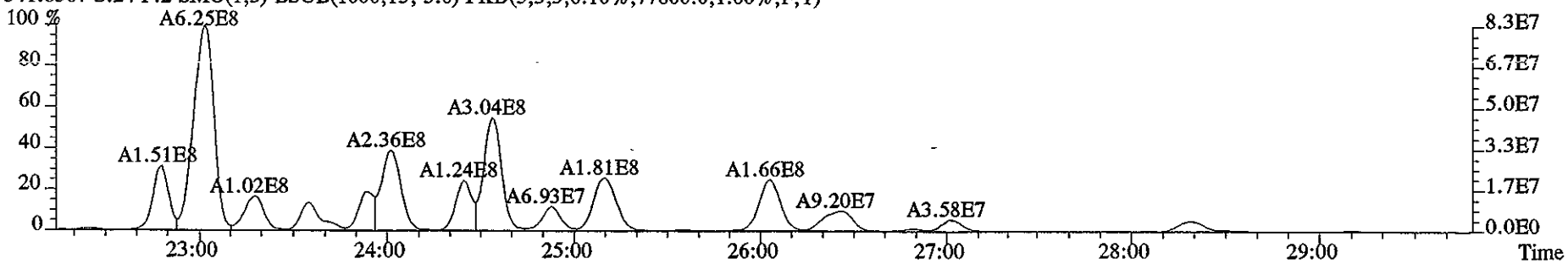
File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
354.9792 S:24 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



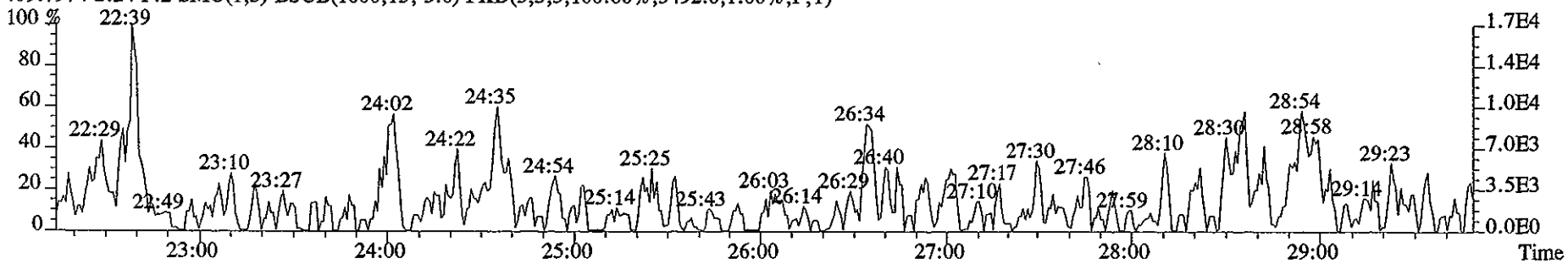
339.8597 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,425264.0,1.00%,F,T)



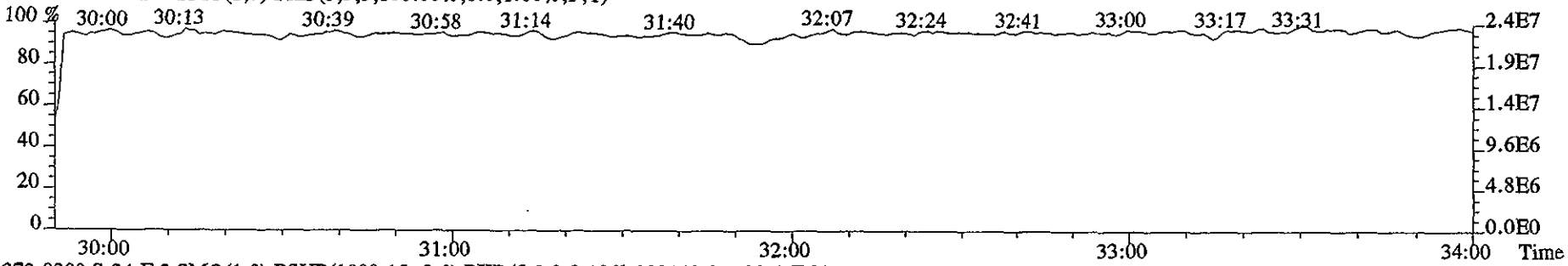
341.8567 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,77800.0,1.00%,F,T)



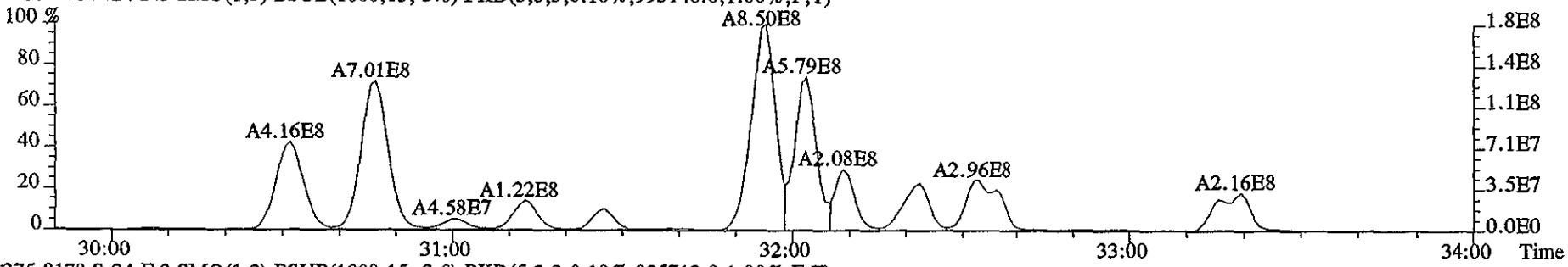
409.7974 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3492.0,1.00%,F,T)



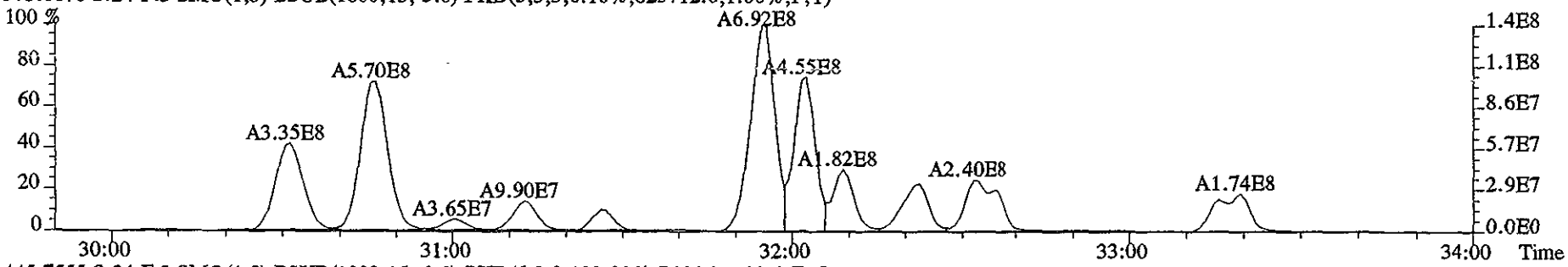
File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A
430.9728 S:24 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



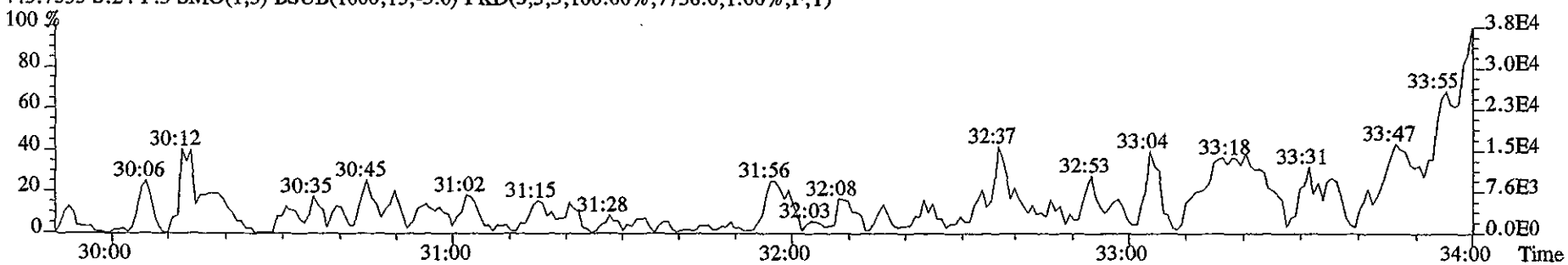
373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,993140.0,1.00%,F,T)



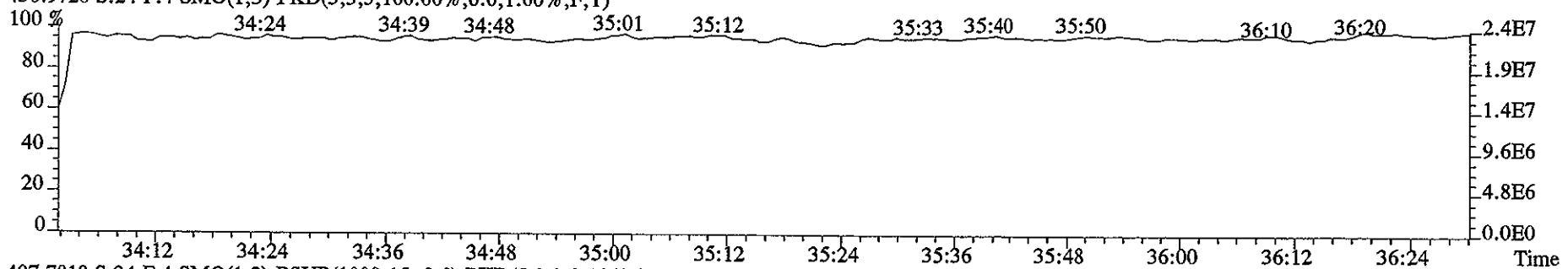
375.8178 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,825712.0,1.00%,F,T)

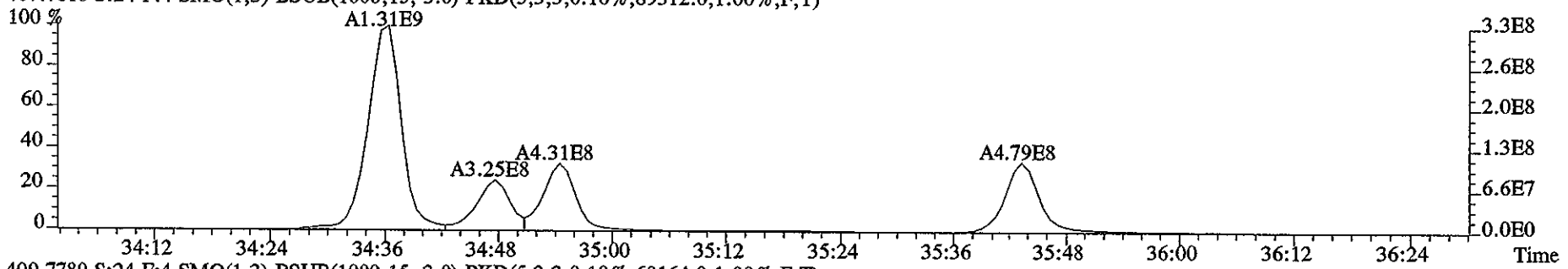


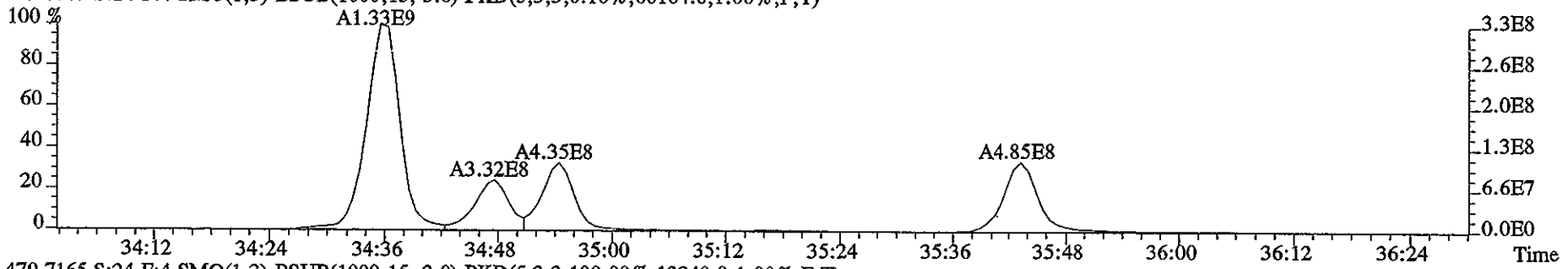
445.7555 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7756.0,1.00%,F,T)

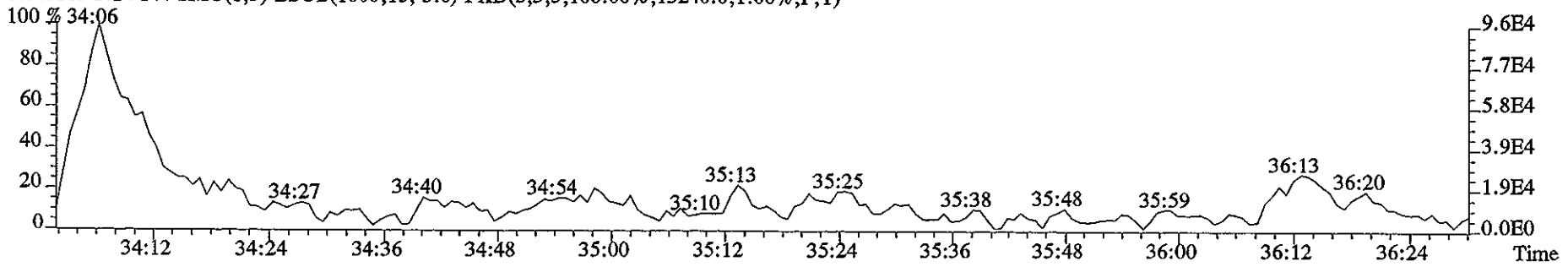


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A

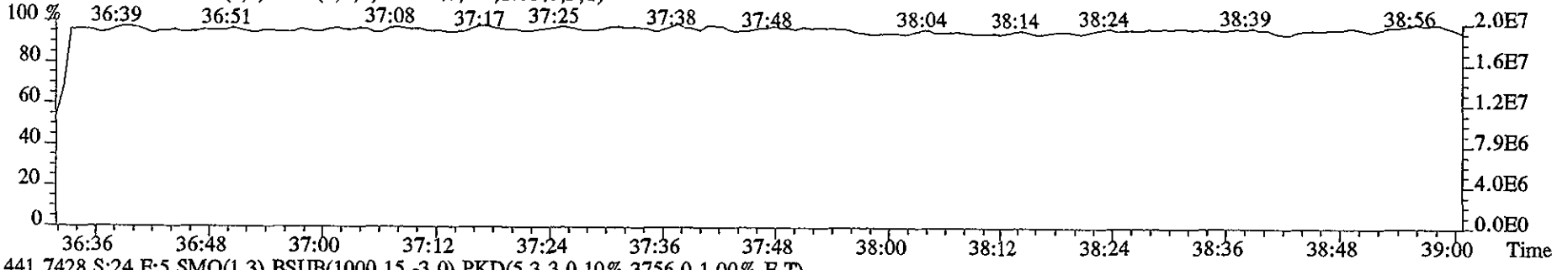


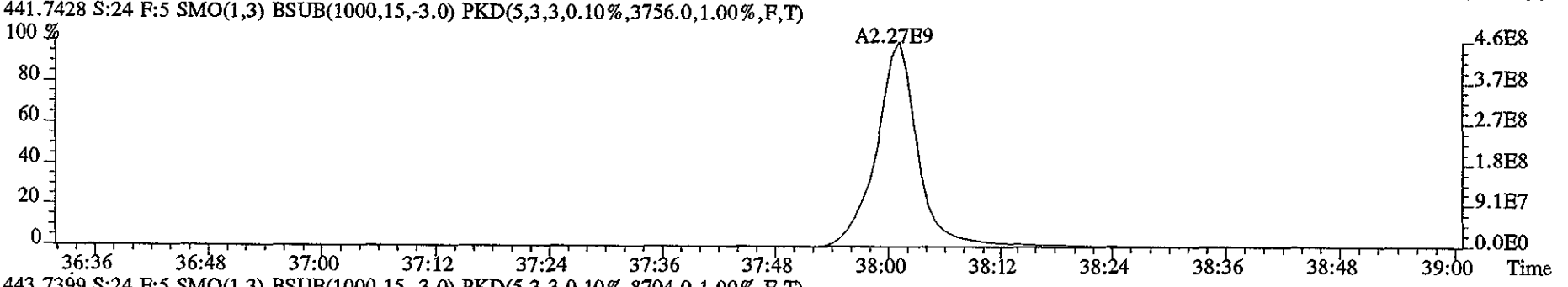


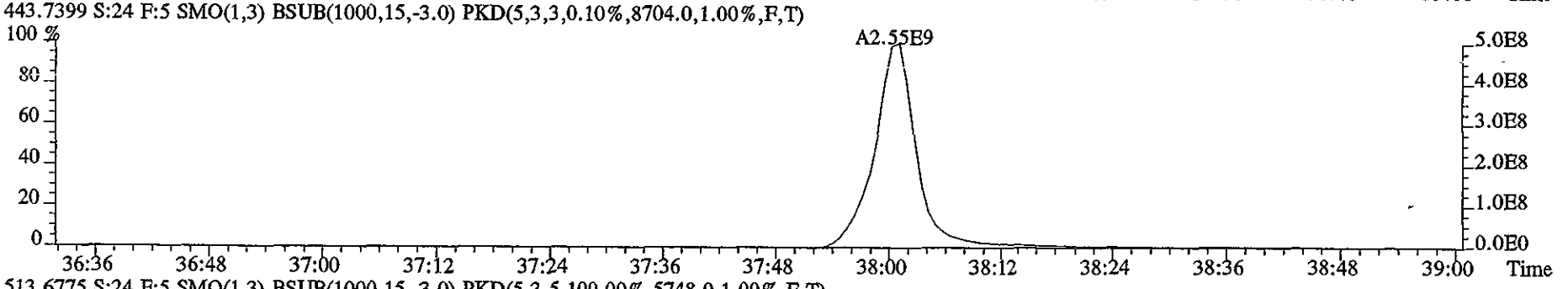


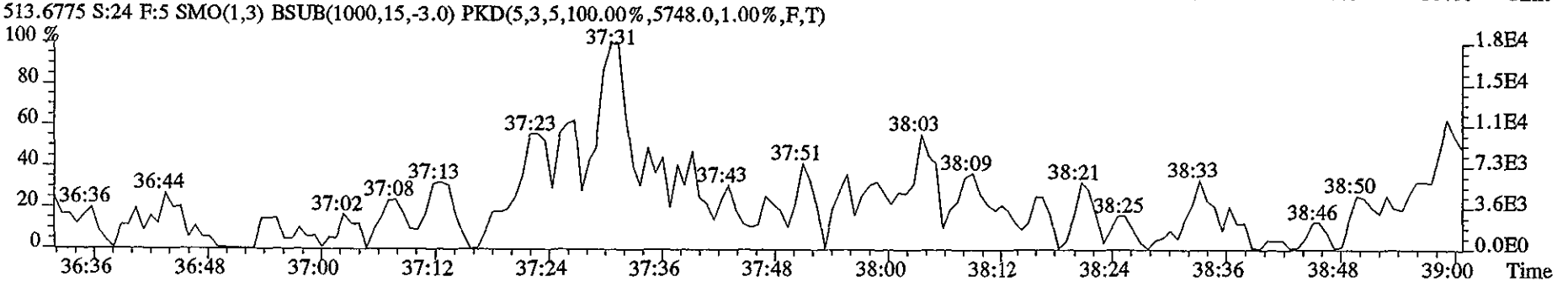


File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 04:08:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:LX8NW-1-AD :G0D200500-55 Exp:DIOXINRES8290A







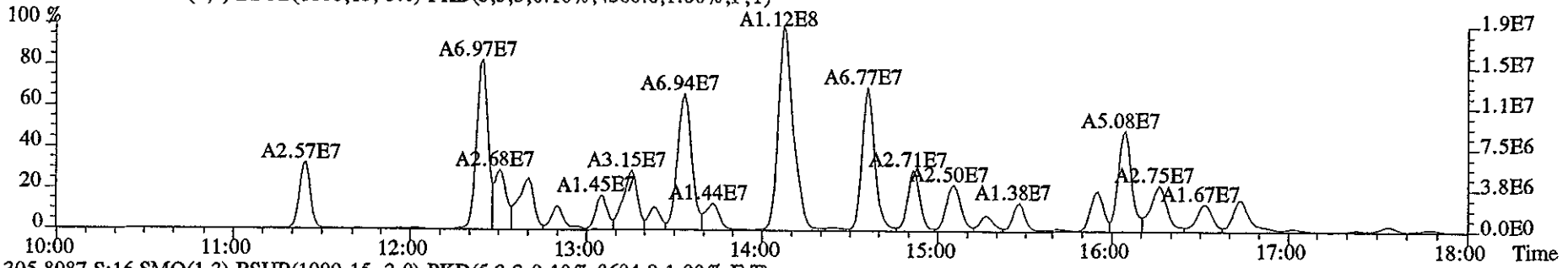


Run text: LX8NW-1-AD Sample text: LX8NW-1-AD :G0D200500-55 RI
Run #18 Filename: 04MY10A5D2 S: 16 I: 1 Results: 04MY10A5D2DB225
Acquired: 5-MAY-10 09:25:10 Processed: 5-MAY-10 09:54:56
Run: 04MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0200 g

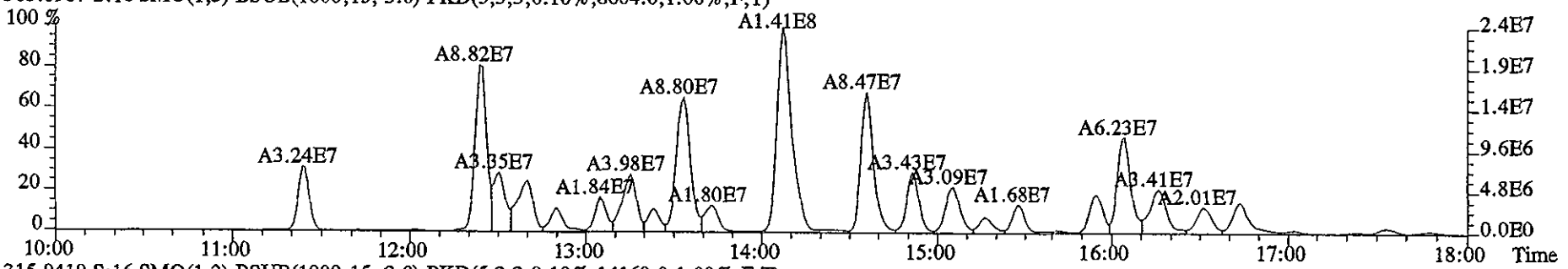
Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	15814910	0.76 y	14:52	-	1.59		-	-	n
13C-2,3,7,8-TCDF	49027200	0.80 y	16:03	2.11	146.89		1.28	73.6	n
2,3,7,8-TCDF	113113700	0.81 y	16:05	1.09	423.09	Cm	0.78	-	n
13C-2,3,7,8-TCDD	22172840	0.78 y	14:41	0.95	147.53		1.71	73.9	n
2,3,7,8-TCDD	5173590	0.82 y	14:41	1.36	34.31		0.89	-	n
37Cl-2,3,7,8-TCDD	21917800	1.00 y	14:42	2.28	60.71		0.51	76.0	n

5/5/10
MG

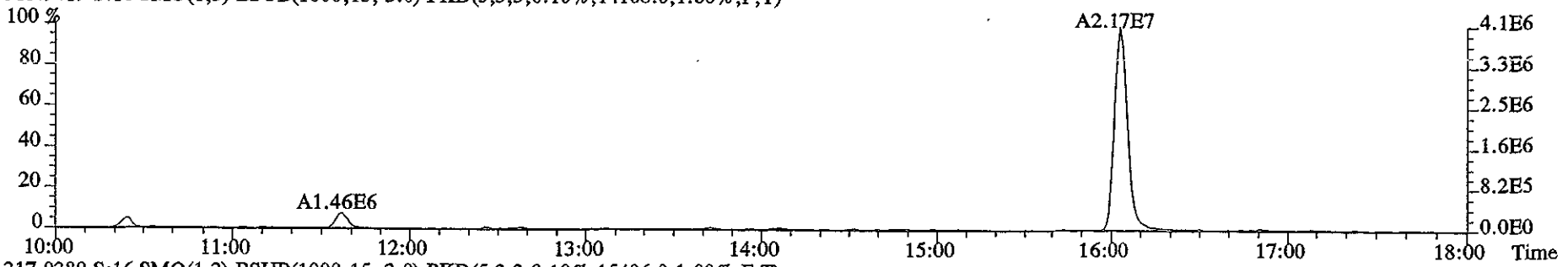
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 09:25:10 GC EI+ Voltage SIR 70SE
Sample#16 Text:LX8NW-1-AD :G0D200500-55 RI Exp:DB225RES
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)



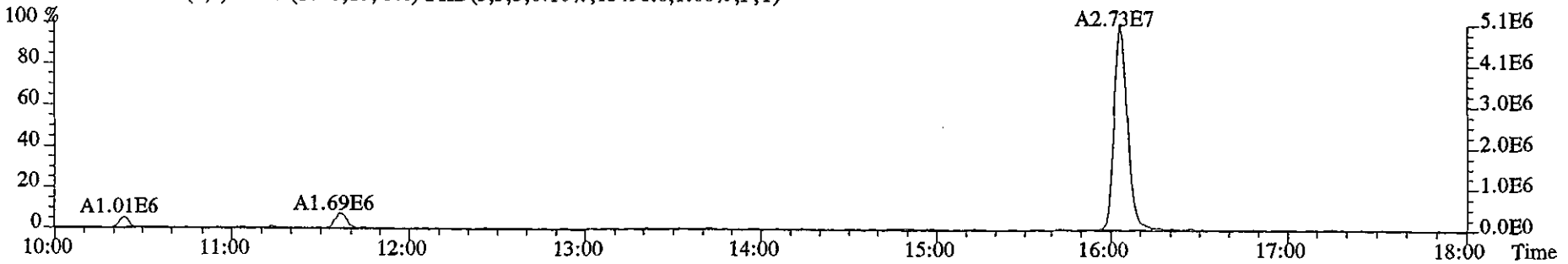
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8604.0,1.00%,F,T)



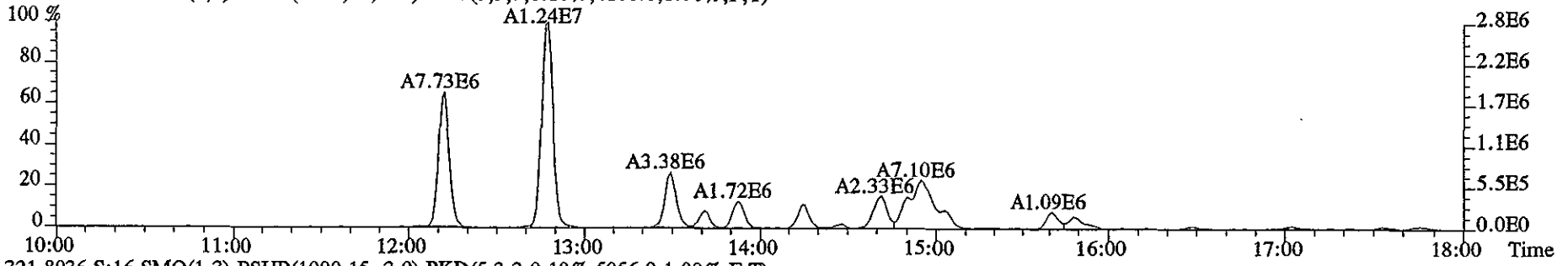
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14168.0,1.00%,F,T)



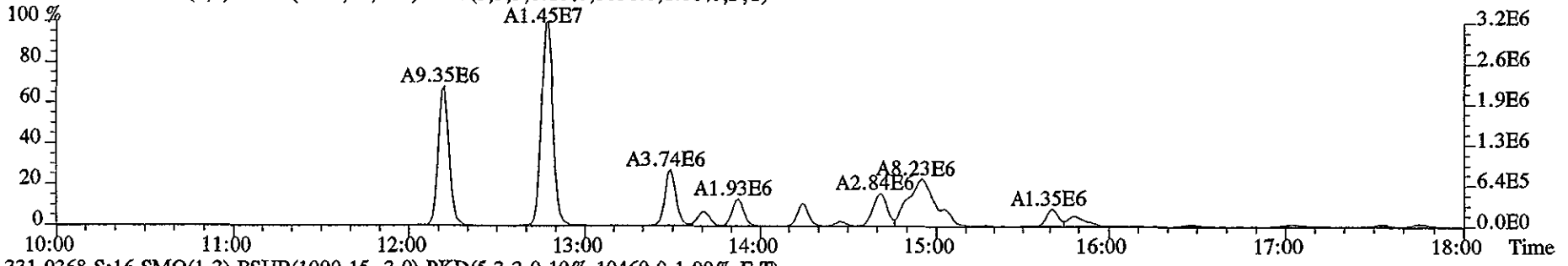
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15496.0,1.00%,F,T)



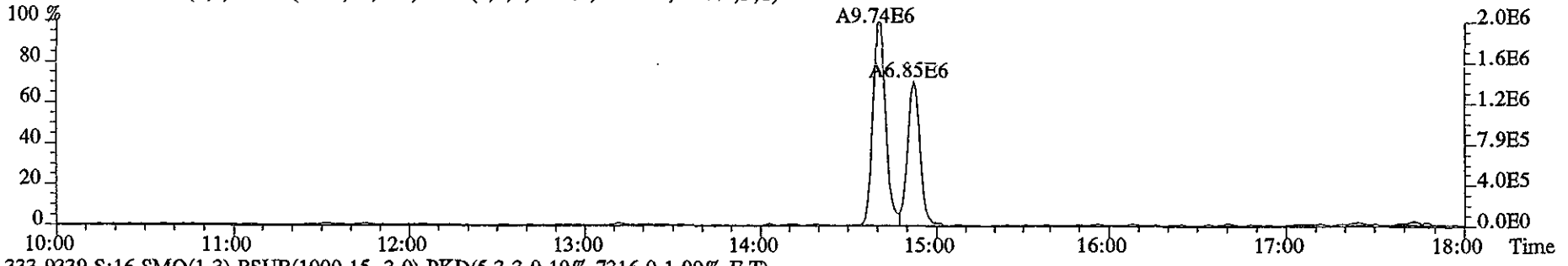
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 09:25:10 GC EI+ Voltage SIR 70SE
Sample#16 Text:LX8NW-1-AD :G0D200500-55 RI Exp:DB225RES
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4188.0,1.00%,F,T)



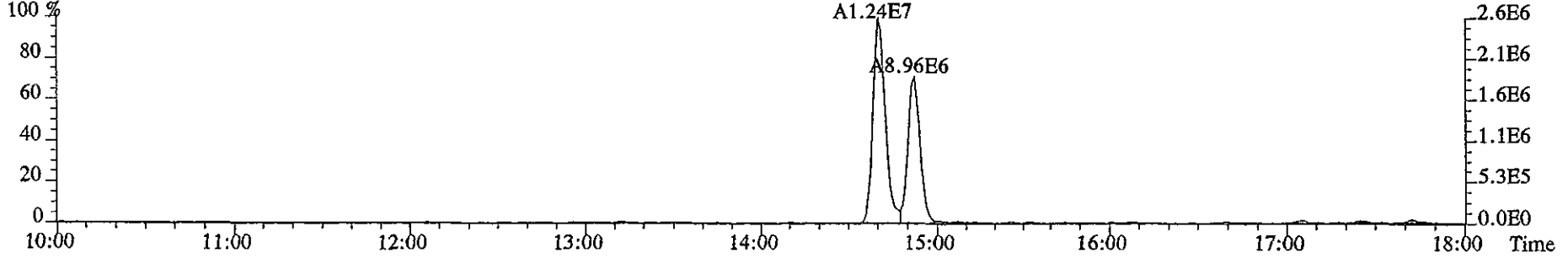
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5056.0,1.00%,F,T)



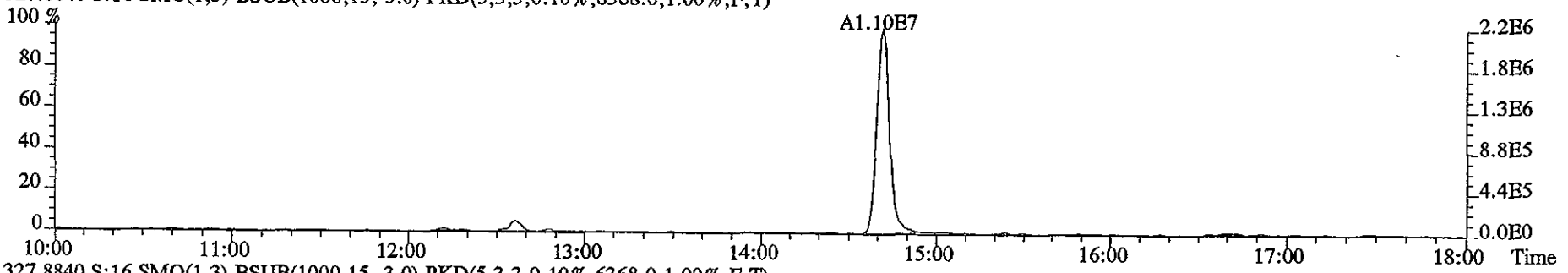
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10460.0,1.00%,F,T)



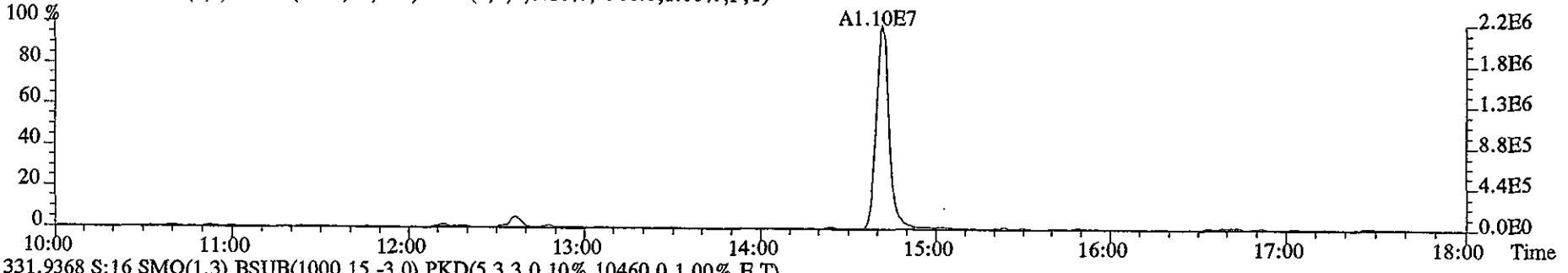
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7316.0,1.00%,F,T)



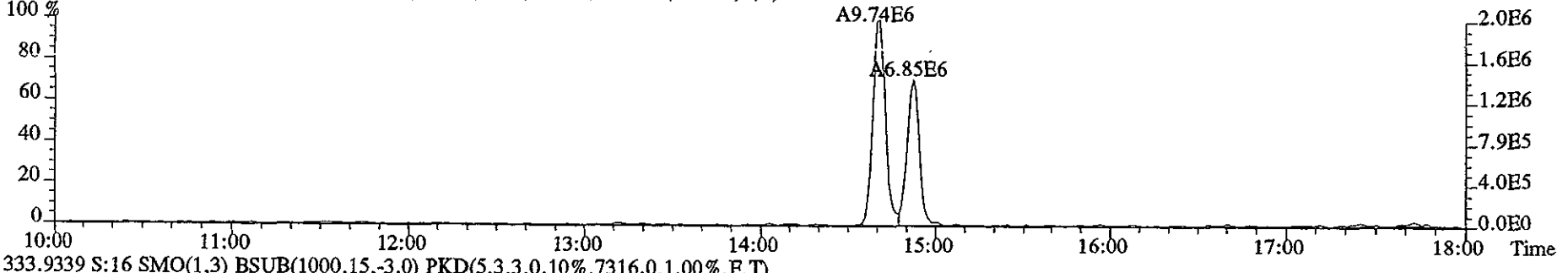
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 09:25:10 GC EI+ Voltage SIR 70SE
Sample#16 Text:LX8NW-1-AD :G0D200500-55 RI Exp:DB225RES
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6368.0,1.00%,F,T)



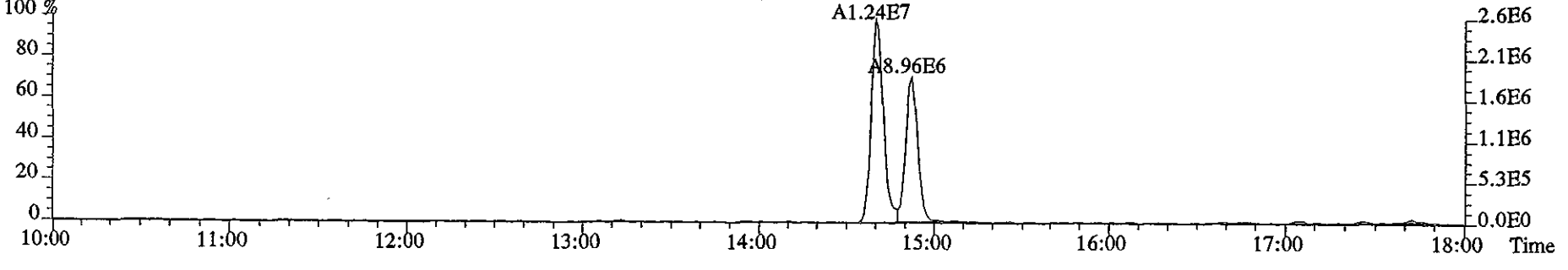
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6368.0,1.00%,F,T)



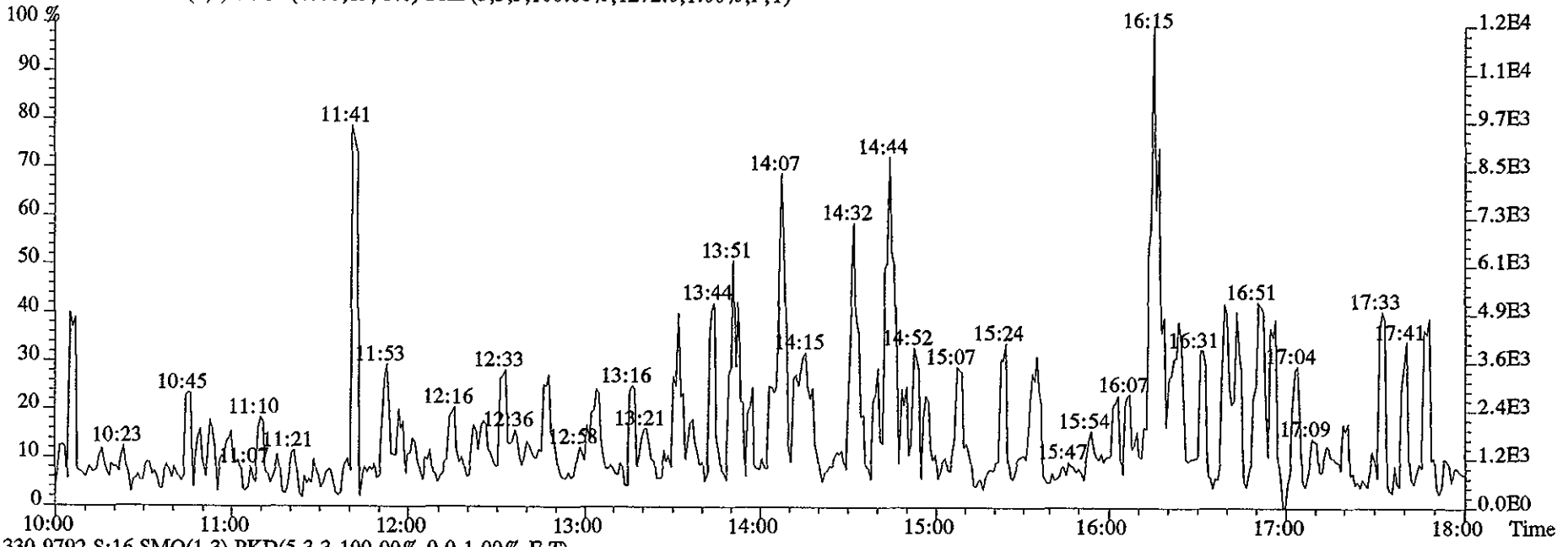
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10460.0,1.00%,F,T)



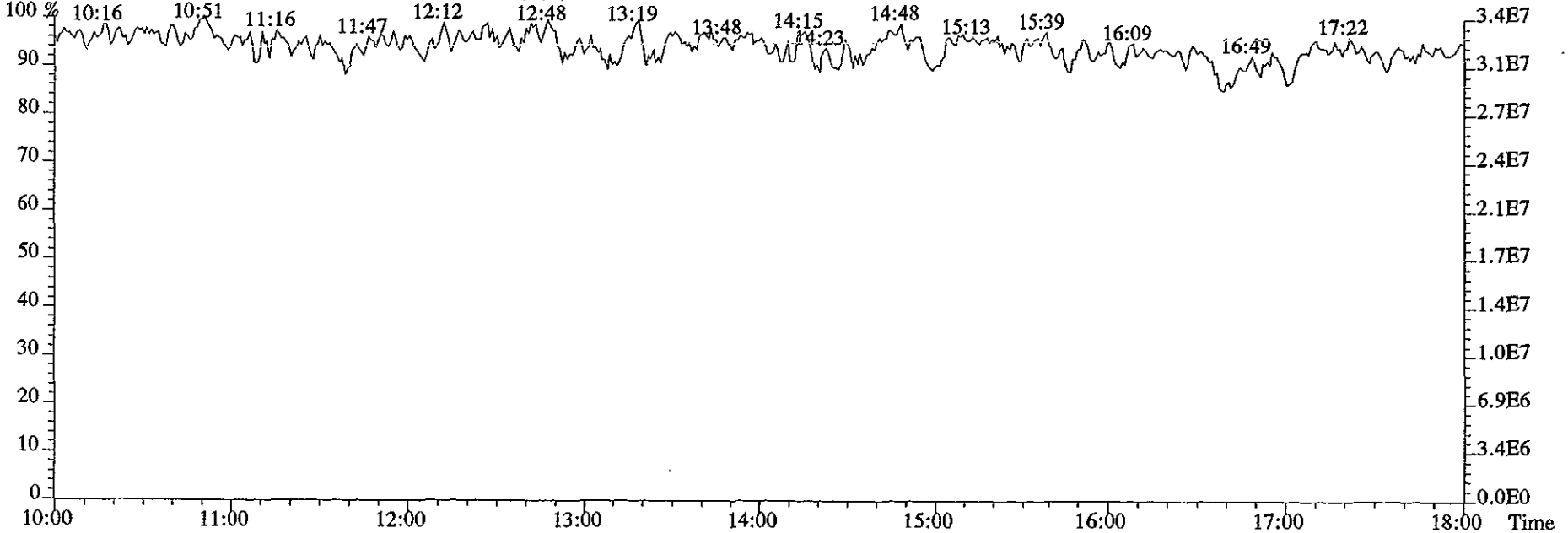
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7316.0,1.00%,F,T)



File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 09:25:10 GC EI+ Voltage SIR 70SE
Sample#16 Text:LX8NW-1-AD :G0D200500-55 RI Exp:DB225RES
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1272.0,1.00%,F,T)



330.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX8NW-1-AE Sample text: LX8NW-1-AE :G0D200500-55MS
Run #27 Filename: 03MY10A4D5 S: 25 I: 1 Results: 03MY10A4D58290AVG
Acquired: 4-MAY-10 04:52:07 Processed: 4-MAY-10 09:54:27
Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.00 g

KB 5.4.5

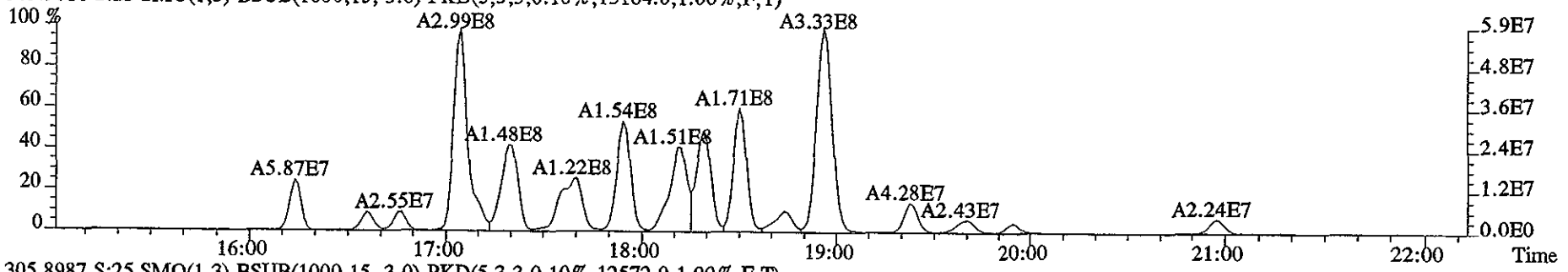
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	116902800	0.79	y	19:29	-	8.79		-	-	n
13C-2,3,7,8-TCDF	201581300	0.79	y	18:54	1.52	113.39		0.17	56.7	n
2,3,7,8-TCDF	765155000	0.77	y	18:56	0.95	803.07	See DB275	0.41	-	n
Total TCDF	4114644059	0.78	y	15:53	0.95	~~4318.52~~		~~0.41~~	-	n
13C-2,3,7,8-TCDD	137042600	0.79	y	19:41	0.95	123.44		0.15	61.7	n
2,3,7,8-TCDD	25497900	0.77	y	19:42	1.02	36.45	✓	0.21	-	n
Total TCDD	285912375	0.78	y	17:13	1.02	408.67		0.21	-	n
37Cl-2,3,7,8-TCDD	144624800	1.00	y	19:42	2.26	54.71		0.22	68.4	n
13C-1,2,3,7,8-PeCDF	150321300	1.59	y	24:32	1.05	122.43	✓	0.48	61.2	n
1,2,3,7,8-PeCDF	581643000	1.60	y	24:34	1.04	740.71	✓	2.51	-	n
2,3,4,7,8-PeCDF	344478000	1.62	y	26:03	0.98	466.65	✓	2.67	-	n
Total F2 PeCDF	3583373440	1.46	y	22:24	1.01	~~4695.86~~		2.59	-	n
Total F1 PeCDF	249697253	0.52	n	19:29	1.01	~~527.81~~		0.56	-	n
13C-1,2,3,7,8-PeCDD	104940900	1.59	y	26:51	0.67	133.89		0.28	66.9	n
1,2,3,7,8-PeCDD	82165200	1.57	y	26:52	0.98	159.48	✓	0.78	-	n
Total PeCDD	261077671	1.56	y	23:13	0.98	~~506.73~~		0.78	-	n
13C-1,2,3,7,8,9-HxCDD	98286700	1.19	y	33:05	-	9.56		-	-	n
13C-1,2,3,4,7,8-HxCDF	84807800	0.52	y	31:54	1.02	84.19		0.95	42.1	n
1,2,3,4,7,8-HxCDF	863615000	1.23	y	31:55	1.21	1679.54	✓E	20.14	-	n
1,2,3,6,7,8-HxCDF	590042000	1.23	y	32:02	1.34	1036.26	✓E	18.19	-	n
2,3,4,6,7,8-HxCDF	220815800	1.28	y	32:36	1.22	426.05	✓	19.98	-	y
1,2,3,7,8,9-HxCDF	183916600	1.25	y	33:16	1.09	397.02	✓	22.36	-	y
Total HxCDF	3300145800	1.25	y	30:31	1.22	~~6331.43~~		20.06	-	y
13C-1,2,3,6,7,8-HxCDD	75805200	1.25	y	32:49	0.81	95.56		0.75	47.8	n
1,2,3,4,7,8-HxCDD	63512200	1.27	y	32:45	1.01	166.44	✓	1.07	-	y
1,2,3,6,7,8-HxCDD	76009400	1.31	y	32:50	1.11	180.03	✓	0.97	-	y
1,2,3,7,8,9-HxCDD	76411100	1.26	y	33:05	1.21	166.74	✓	0.89	-	y
Total HxCDD	314841060	1.21	y	31:22	1.11	~~748.33~~		0.97	-	y
13C-1,2,3,4,6,7,8-HpCDF	53578100	0.43	y	34:35	0.86	63.20		0.89	31.6	n
1,2,3,4,6,7,8-HpCDF	1200480000	0.98	y	34:36	1.31	3421.63	✓E	3.55	-	n
1,2,3,4,7,8,9-HpCDF	500612000	0.98	y	35:44	1.03	1822.01	✓E	4.54	-	n
Total HpCDF	2393273623	0.98	y	34:36	1.17	~~7456.47~~		3.99	-	n
13C-1,2,3,4,6,7,8-HpCDD	52107700	1.06	y	35:24	0.70	76.01		1.14	38.0	n
1,2,3,4,6,7,8-HpCDD	88072100	1.04	y	35:25	1.07	315.38	✓	1.60	-	n
Total HpCDD	115503000	1.05	y	34:50	1.07	~~413.61~~		1.60	-	n
13C-OCDD	64962100	0.90	y	37:53	0.53	124.38		0.97	31.1	n
OCDF	2026176000	0.89	y	38:01	1.45	8631.83	✓E	0.63	-	n

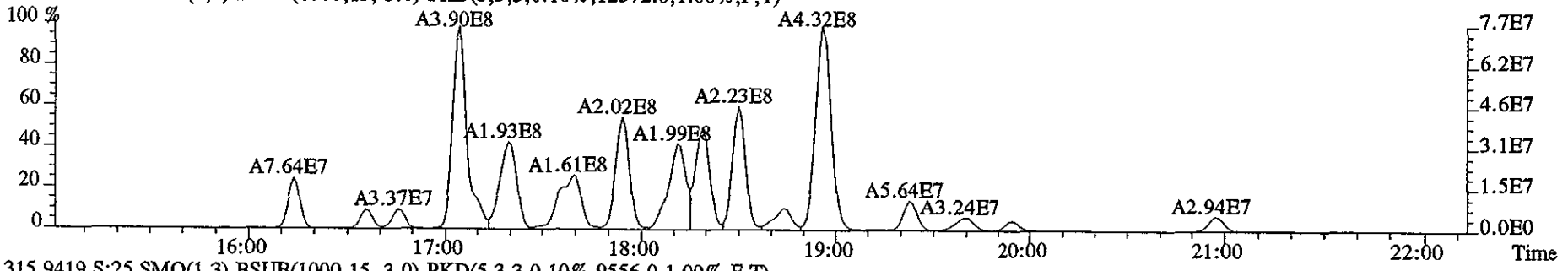
OCDD	85160600	0.88	y	37:54	1.17	449.62		1.28	- n

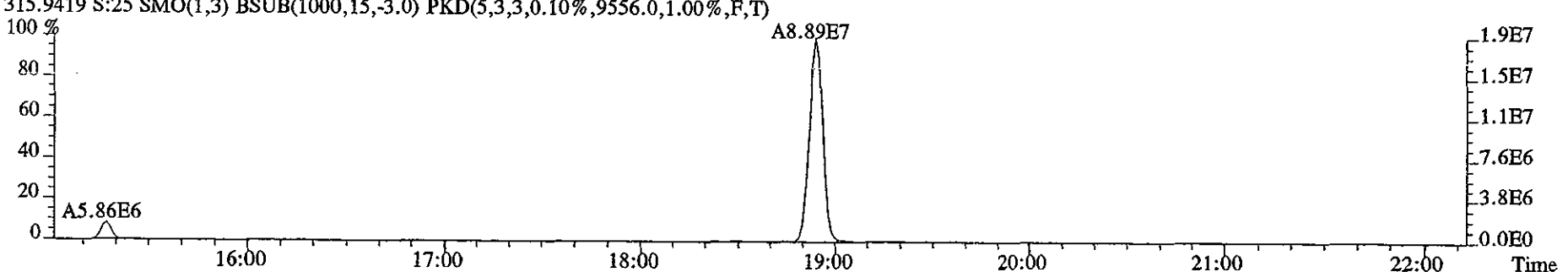
Run text: LX8NW-1-AE Sample text: LX8NW-1-AE :G0D200500-55MS
Run #27 Filename: 03MY10A4D5 S: 25 I: 1 Results: 03MY10A4D58290A
Acquired: 4-MAY-10 04:52:07 Processed: 4-MAY-10 09:54:27
Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.00 g

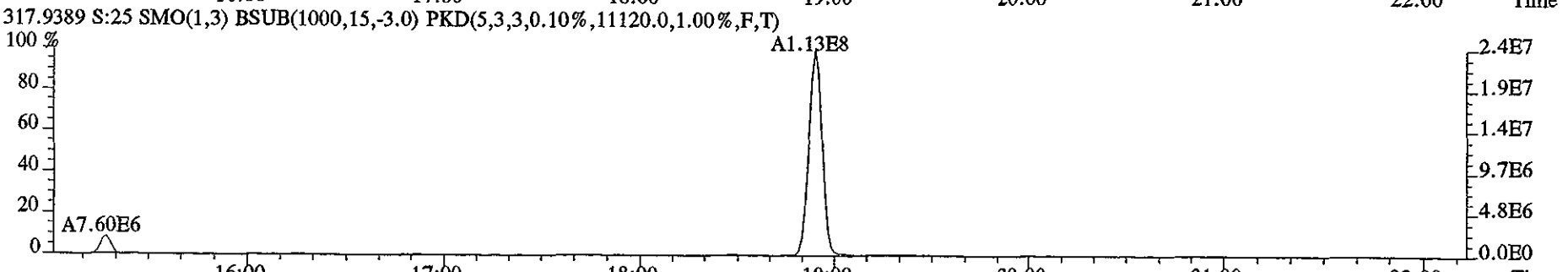
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	116902800	0.79	y	19:29	-	8.7871	-	-	n
13C-2,3,7,8-TCDF	201581300	0.79	y	18:54	1.52	113.3890	0.1693	56.7	n
2,3,7,8-TCDF	765155000	0.77	y	18:56	0.95	803.0672	0.4098	-	n
Total TCDF	4114644059	0.78	y	15:53	0.95	~~4318.5181~~	0.4098	-	n
13C-2,3,7,8-TCDD	137042600	0.79	y	19:41	0.95	123.4383	0.1545	61.7	n
2,3,7,8-TCDD	25497900	0.77	y	19:42	1.02	36.4456	0.2102	-	n
Total TCDD	285912375	0.78	y	17:13	1.02	~~408.6709~~	0.2102	-	n
37Cl-2,3,7,8-TCDD	144624800	1.00	y	19:42	2.26	54.7091	0.2226	68.4	n
13C-1,2,3,7,8-PeCDF	150321300	1.59	y	24:32	1.05	122.4255	0.4770	61.2	n
1,2,3,7,8-PeCDF	581643000	1.60	y	24:34	1.04	740.7140	2.5143	-	n
2,3,4,7,8-PeCDF	344478000	1.62	y	26:03	0.98	466.6521	2.6746	-	n
Total F2 PeCDF	3583373440	1.46	y	22:24	1.01	~~4695.8638~~	2.5920	-	n
Total F1 PeCDF	249697253	0.52	n	19:29	1.01	~~327.8079~~	0.5640	-	n
13C-1,2,3,7,8-PeCDD	104940900	1.59	y	26:51	0.67	133.8880	0.2758	66.9	n
1,2,3,7,8-PeCDD	82165200	1.57	y	26:52	0.98	159.4760	0.7840	-	n
Total PeCDD	261077671	1.56	y	23:13	0.98	~~506.7306~~	0.7840	-	n
13C-1,2,3,7,8,9-HxCDD	98286700	1.19	y	33:05	-	9.5650	-	-	n
13C-1,2,3,4,7,8-HxCDF	84807800	0.52	y	31:54	1.02	84.1929	0.9498	42.1	n
1,2,3,4,7,8-HxCDF	863615000	1.23	y	31:55	1.21	1679.5393	20.1415	-	n
1,2,3,6,7,8-HxCDF	590040000	1.23	y	32:02	1.34	1036.2585	18.1890	-	n
2,3,4,6,7,8-HxCDF	360030000	1.24	y	32:36	1.22	694.6473	19.9824	-	n
1,2,3,7,8,9-HxCDF	294708000	1.25	y	33:16	1.09	636.1780	22.3567	-	n
Total HxCDF	3608729100	1.25	y	30:31	1.22	6952.6579	20.0601	-	n
13C-1,2,3,6,7,8-HxCDD	75805200	1.25	y	32:49	0.81	95.5640	0.7517	47.8	n
1,2,3,4,7,8-HxCDD	54440736	1.46	n	32:45	1.01	142.6696	1.0727	-	n
1,2,3,6,7,8-HxCDD	79575000	1.18	y	32:50	1.11	188.4762	0.9695	-	n
1,2,3,7,8,9-HxCDD	76088400	1.27	y	33:05	1.21	166.0400	0.8932	-	n
Total HxCDD	309012396	1.21	y	31:22	1.11	~~732.3008~~	0.9730	-	n
13C-1,2,3,4,6,7,8-HpCDF	53578100	0.43	y	34:35	0.86	63.1958	0.8881	31.6	n
1,2,3,4,6,7,8-HpCDF	1200480000	0.98	y	34:36	1.31	3421.6280	3.5548	-	n
1,2,3,4,7,8,9-HpCDF	500612000	0.98	y	35:44	1.03	1822.0128	4.5393	-	n
Total HpCDF	2393273623	0.98	y	34:36	1.17	7456.4687	3.9872	-	n
13C-1,2,3,4,6,7,8-HpCDD	52107700	1.06	y	35:24	0.70	76.0092	1.1434	38.0	n
1,2,3,4,6,7,8-HpCDD	88072100	1.04	y	35:25	1.07	315.3777	1.5978	-	n
Total HpCDD	115503000	1.05	y	34:50	1.07	413.6051	1.5978	-	n
13C-OCDD	64962100	0.90	y	37:53	0.53	124.3811	0.9683	31.1	n
OCDF	2026176000	0.89	y	38:01	1.45	8631.8287	0.6330	-	n
OCDD	85160600	0.88	y	37:54	1.17	449.6212	1.2752	-	n

File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

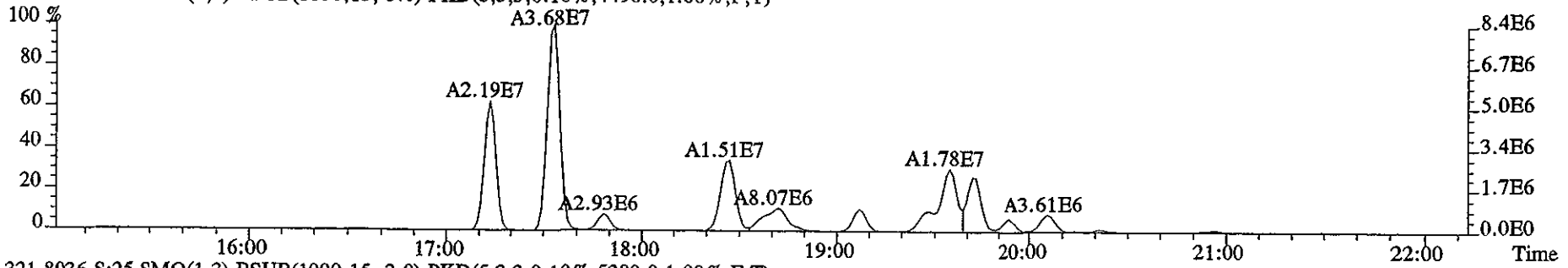


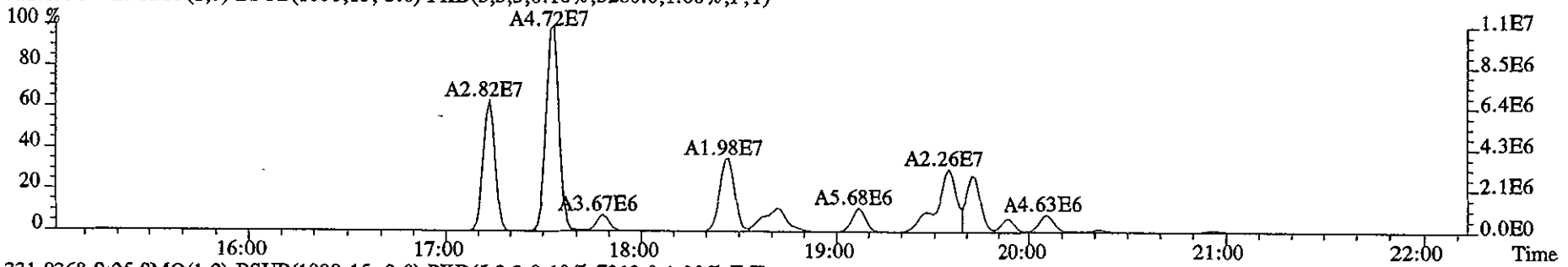


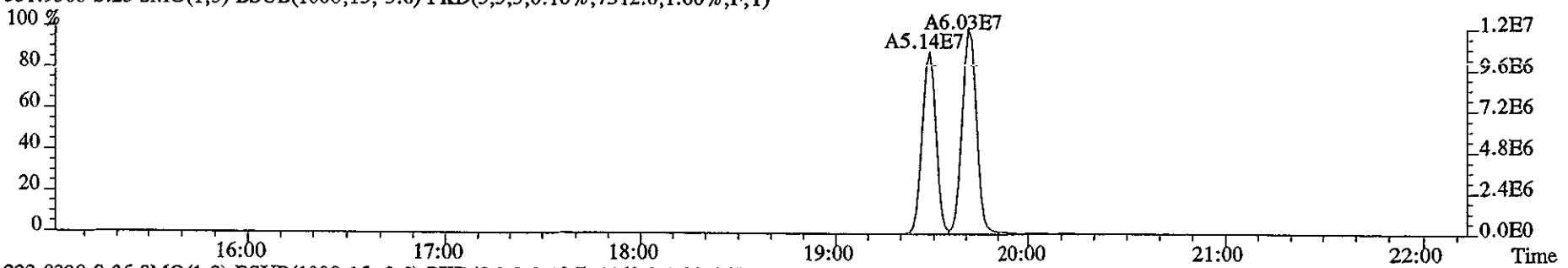


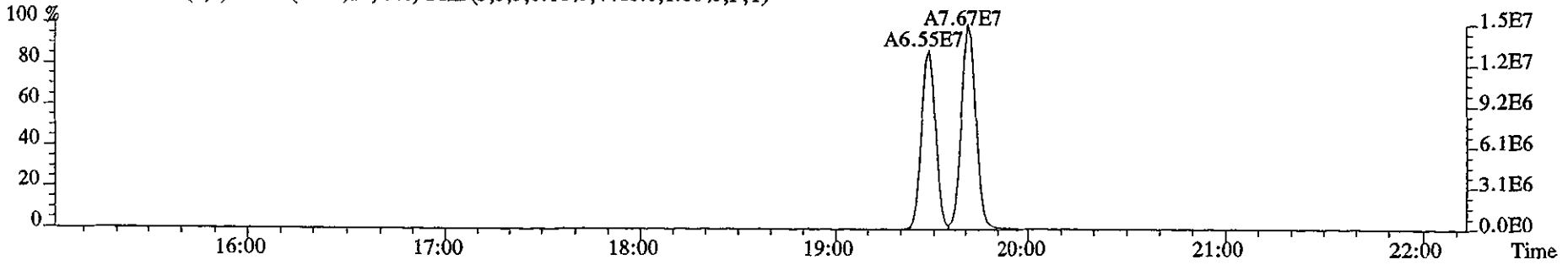


File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

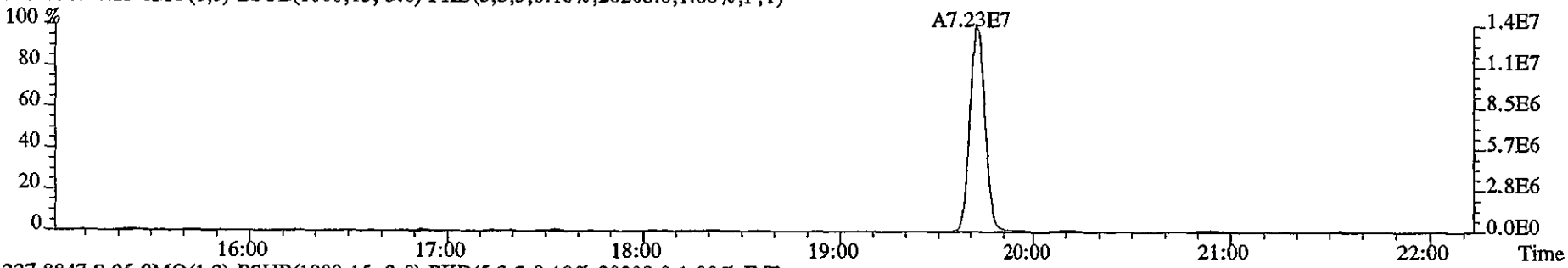




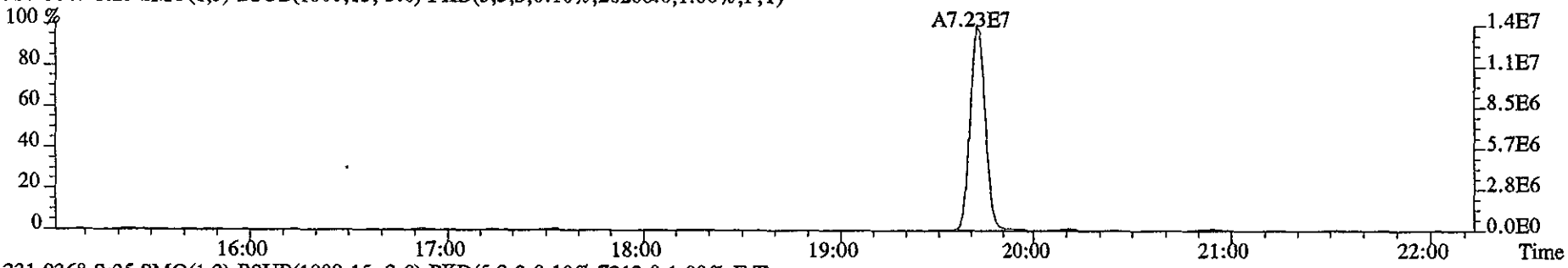




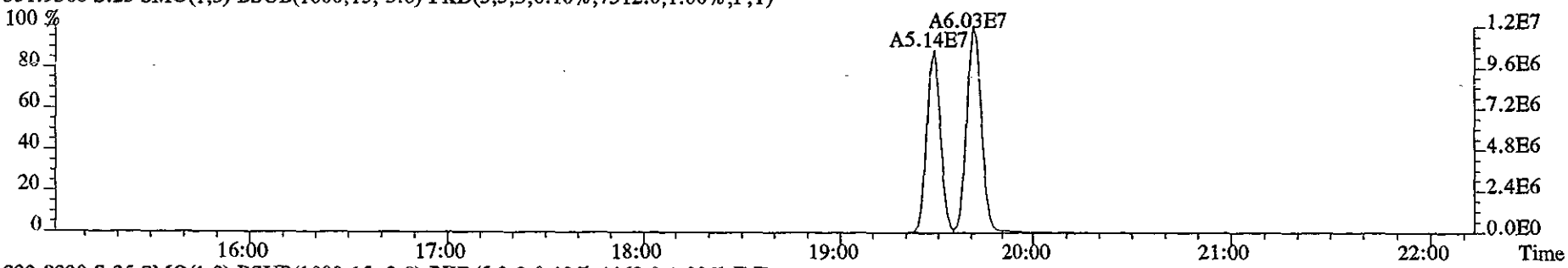
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A
327.8847 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20208.0,1.00%,F,T)



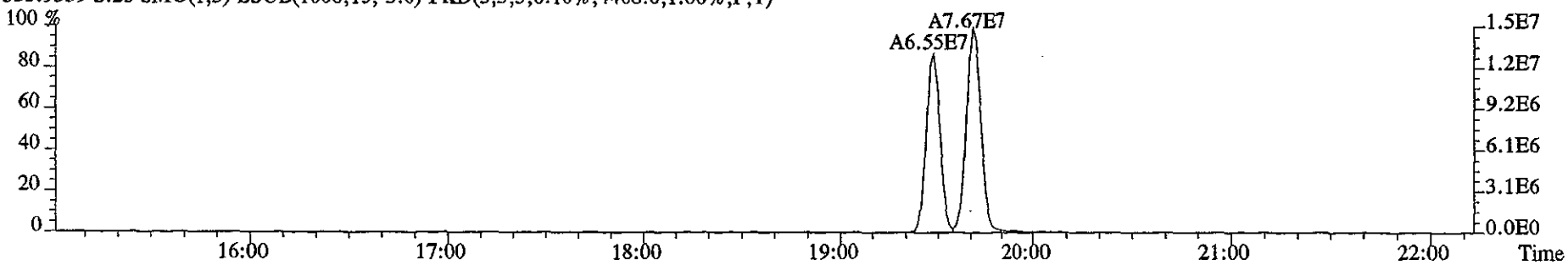
327.8847 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20208.0,1.00%,F,T)



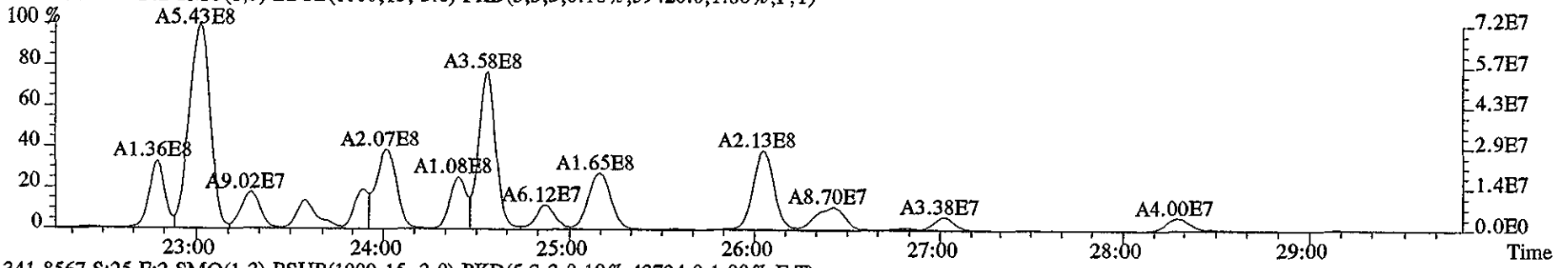
331.9368 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7312.0,1.00%,F,T)

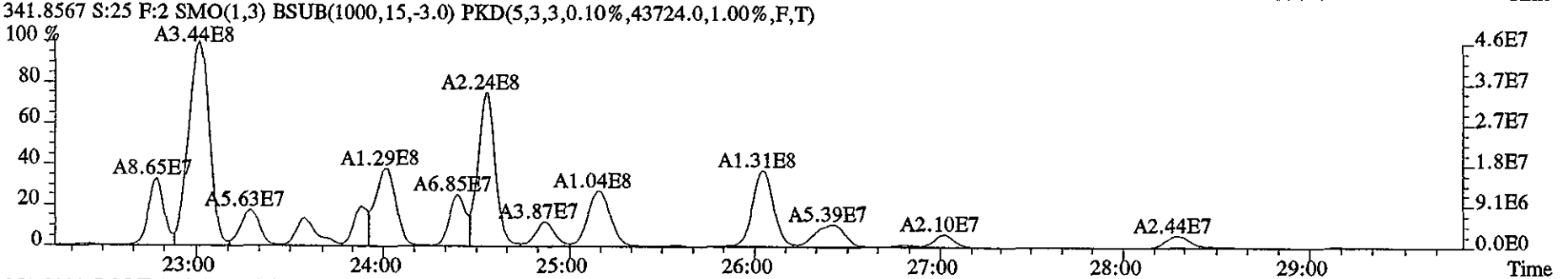


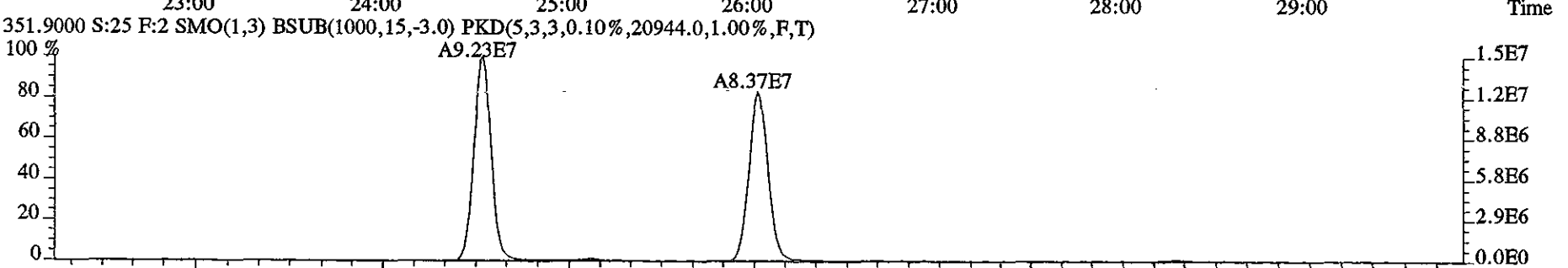
333.9339 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4468.0,1.00%,F,T)

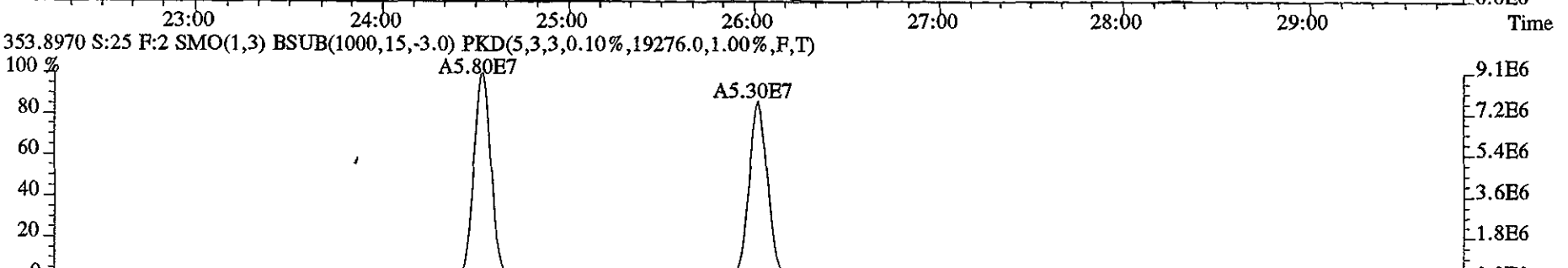


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

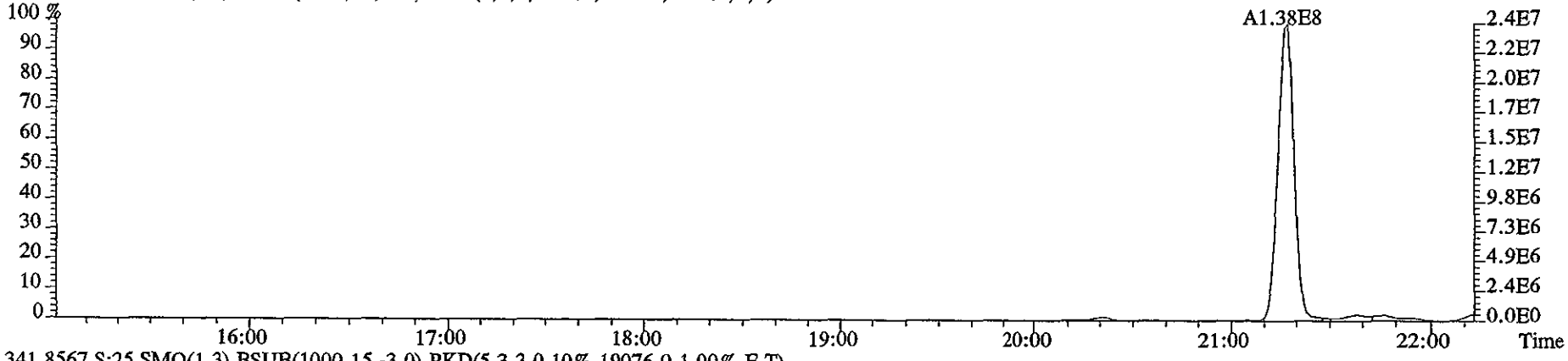




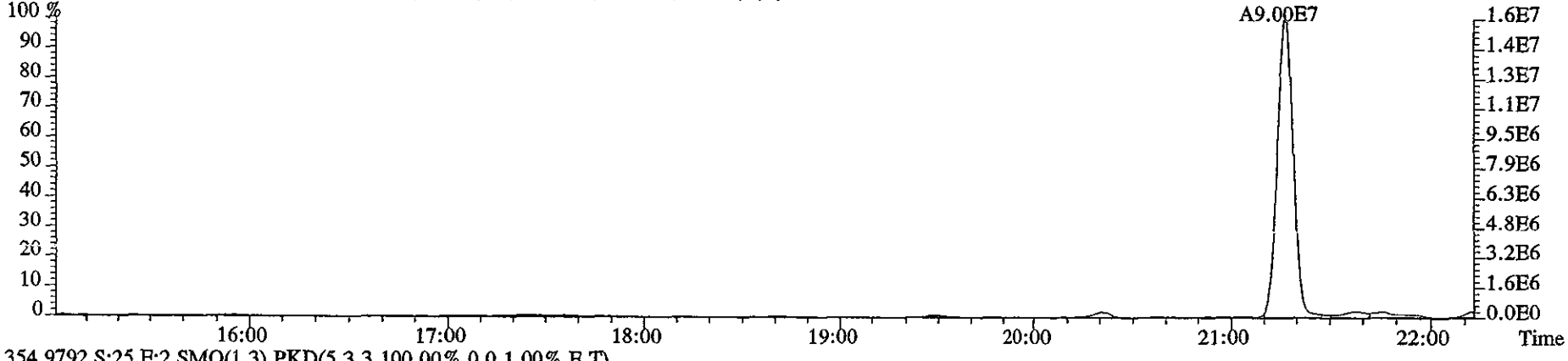




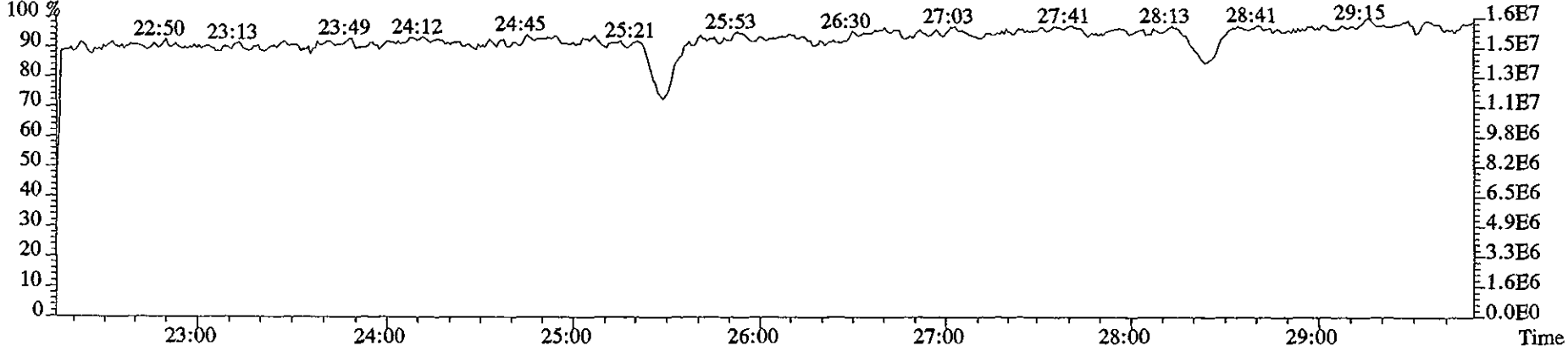
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A
339.8597 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3368.0,1.00%,F,T)



341.8567 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19076.0,1.00%,F,T)

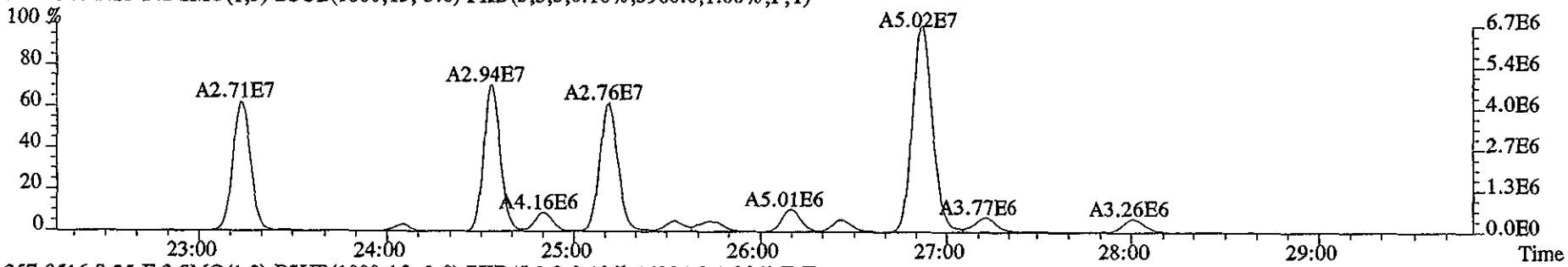


354.9792 S:25 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

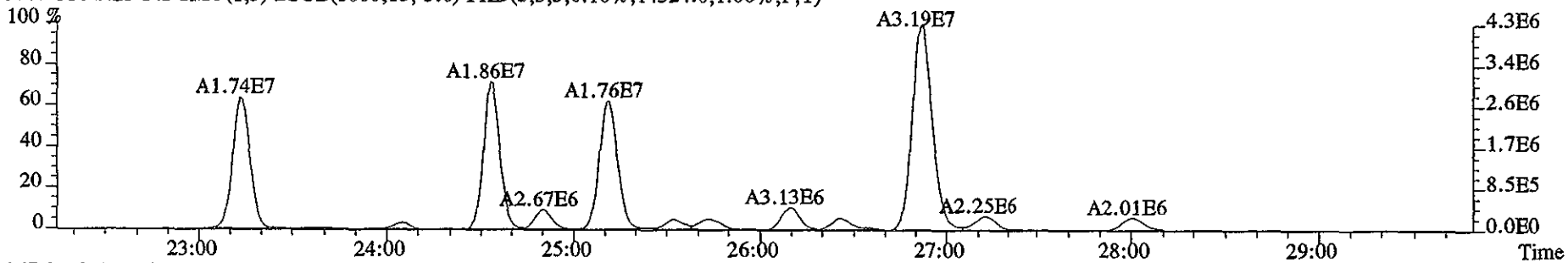


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

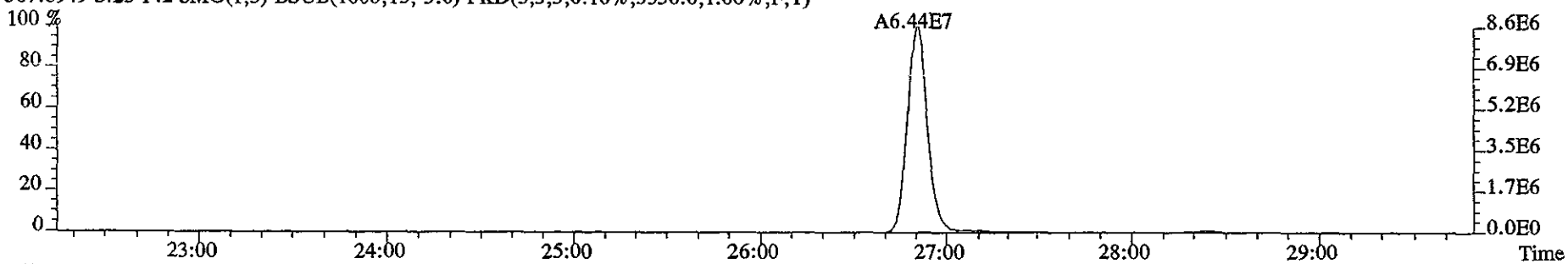
355.8546 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3960.0,1.00%,F,T)



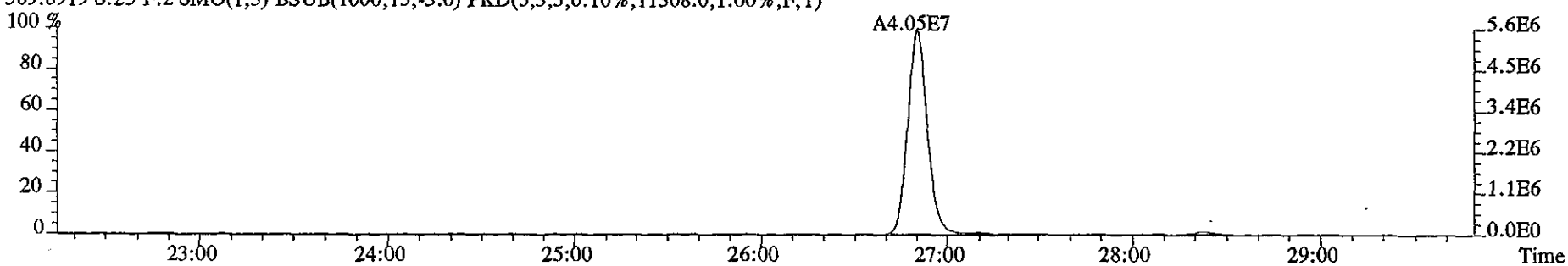
357.8516 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14324.0,1.00%,F,T)



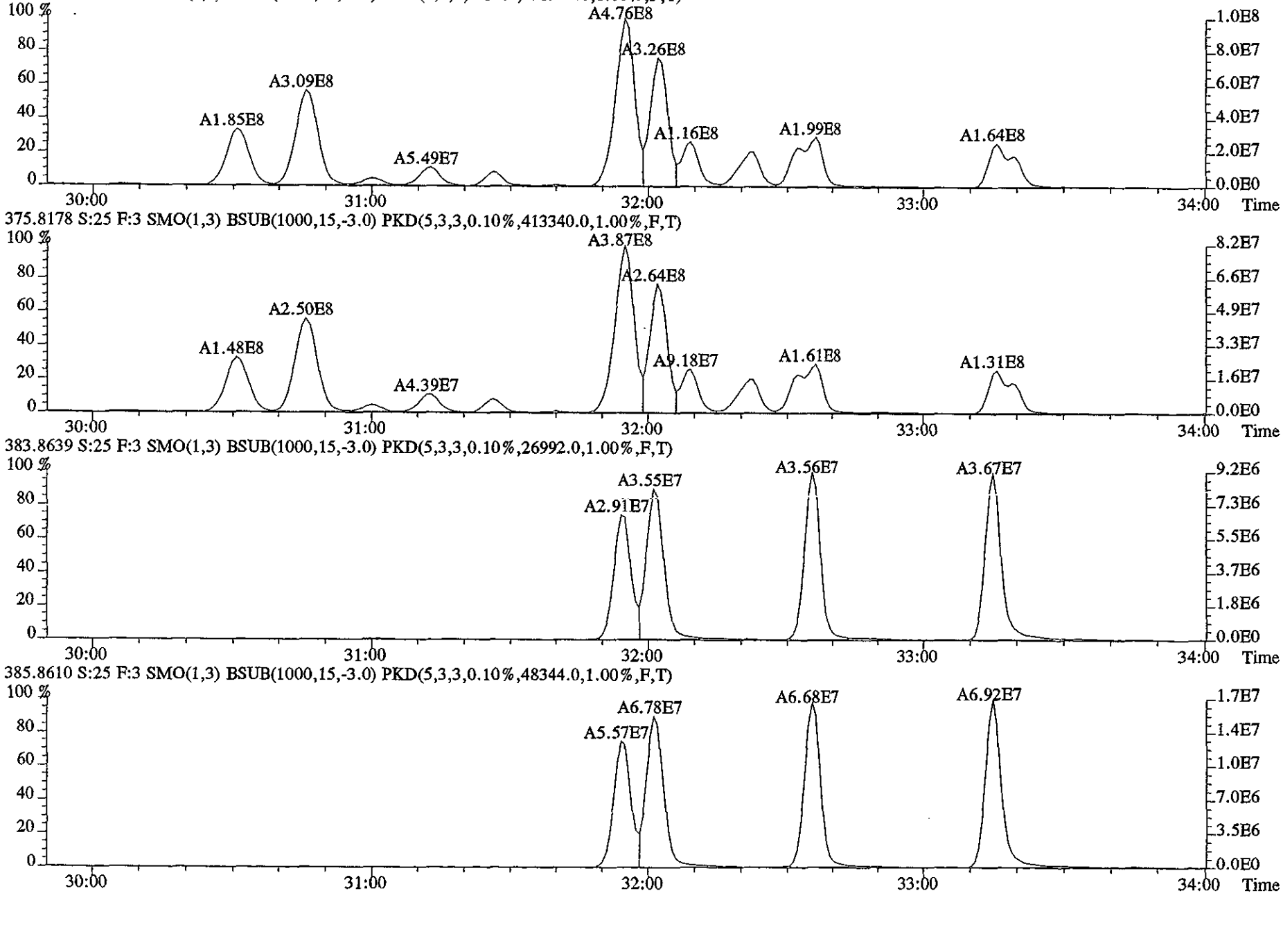
367.8949 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3536.0,1.00%,F,T)



369.8919 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11308.0,1.00%,F,T)

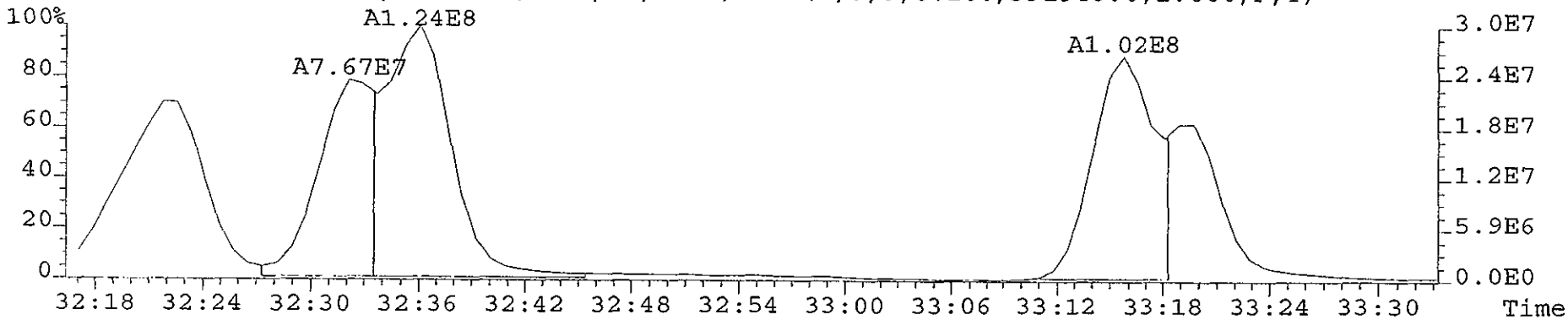


File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

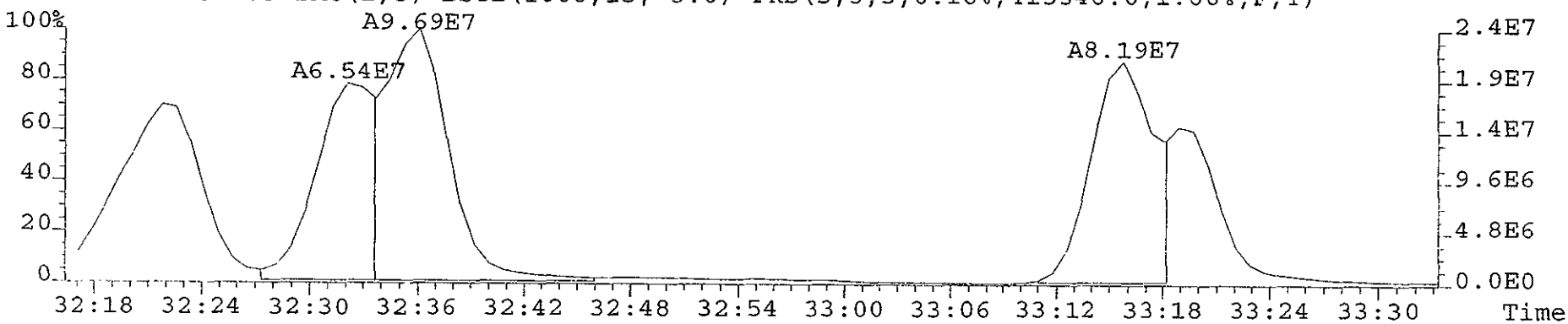


File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55 Exp:DIOXINRES8290A

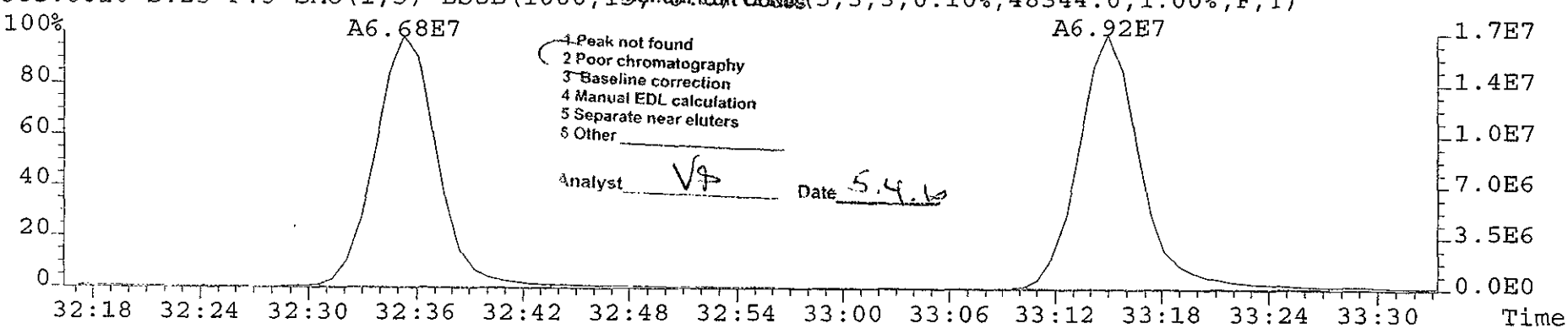
373.8208 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,391940.0,1.00%,F,T)



375.8178 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,413340.0,1.00%,F,T)



385.8610 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48344.0,1.00%,F,T)

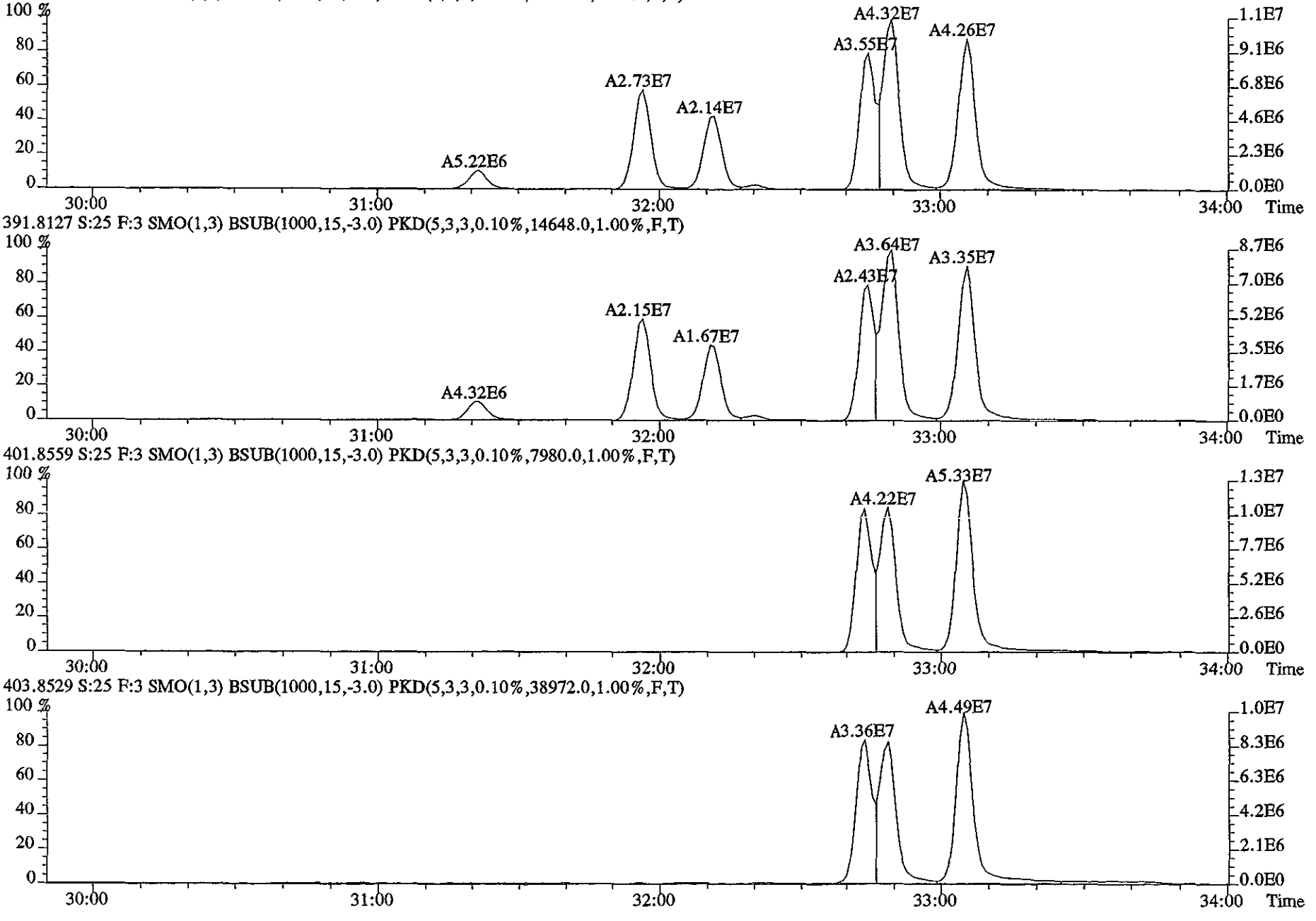


Manual Edit Codes

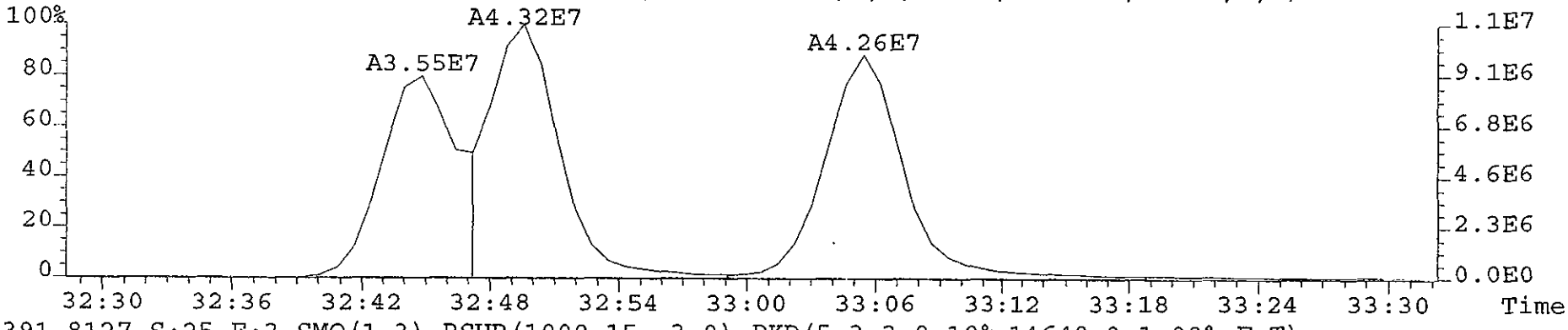
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VP Date 5.4.10

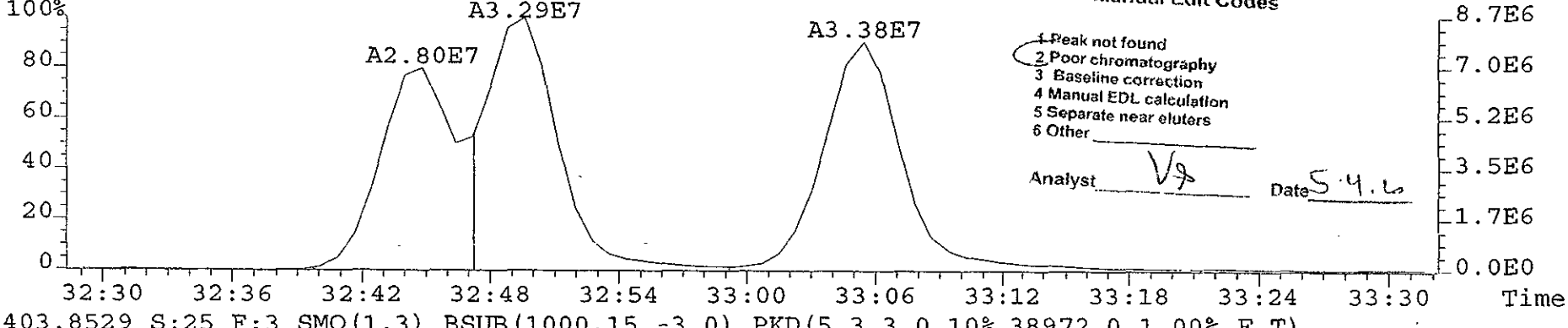
File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A



File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55 Exp:DIOXINRES8290A
389.8157 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20368.0,1.00%,F,T)



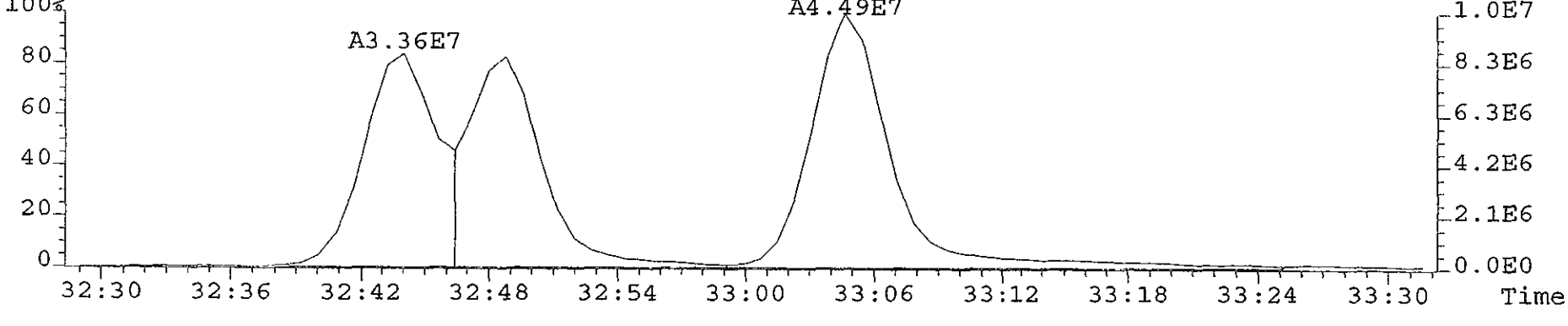
391.8127 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14648.0,1.00%,F,T)



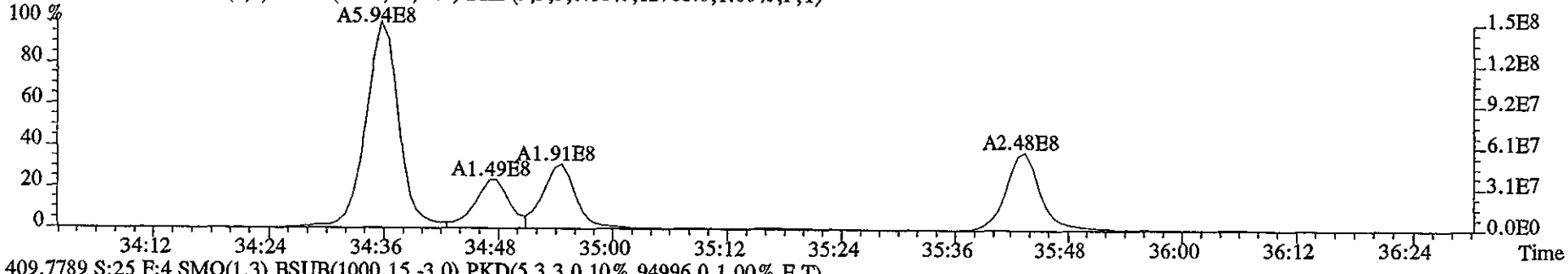
Manual Edit Codes
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other

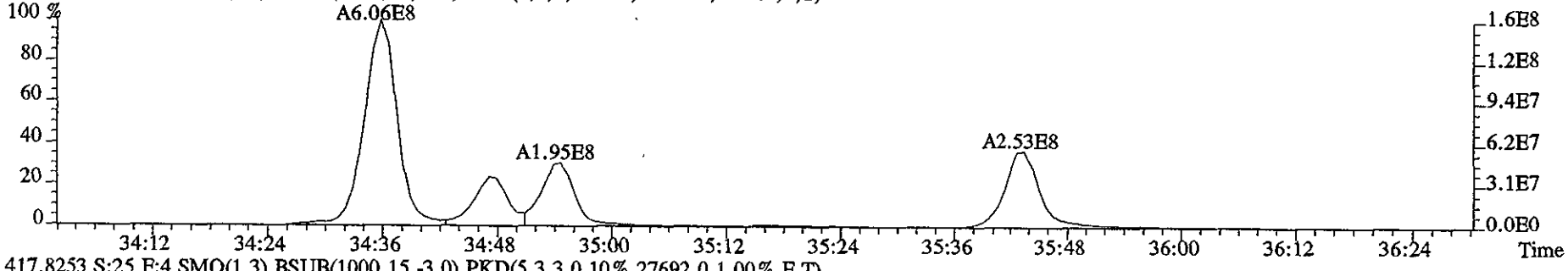
Analyst VP Date 5.4.10

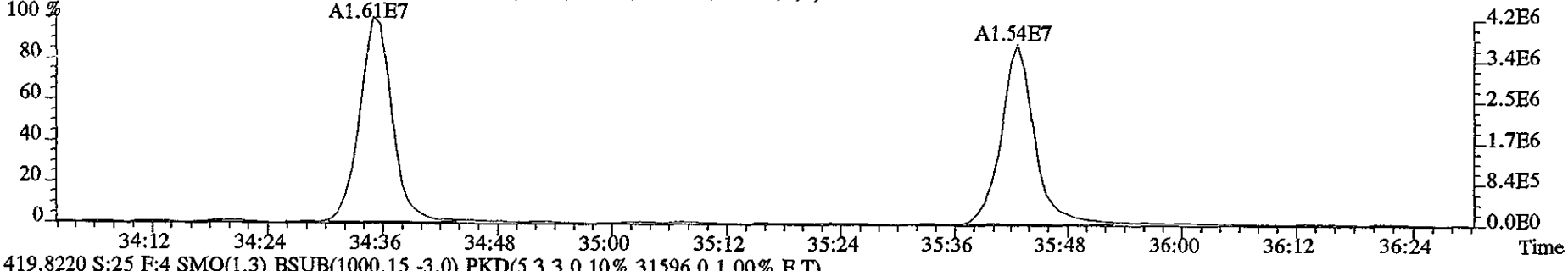
403.8529 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38972.0,1.00%,F,T)

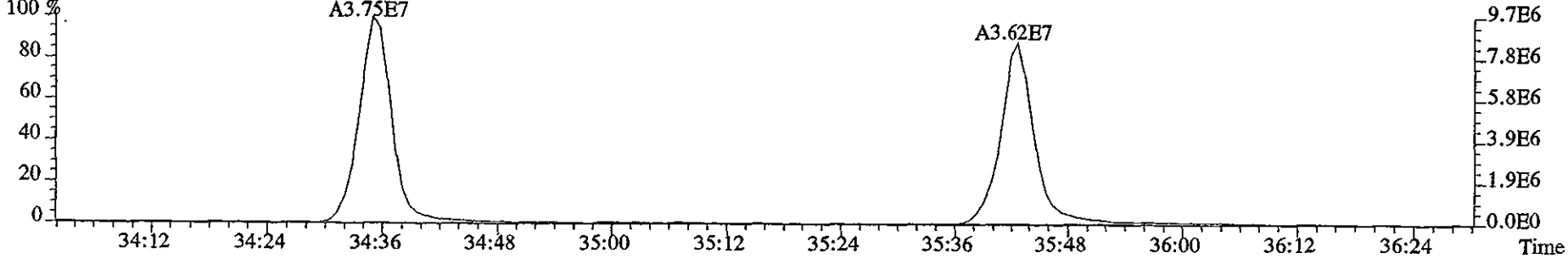


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

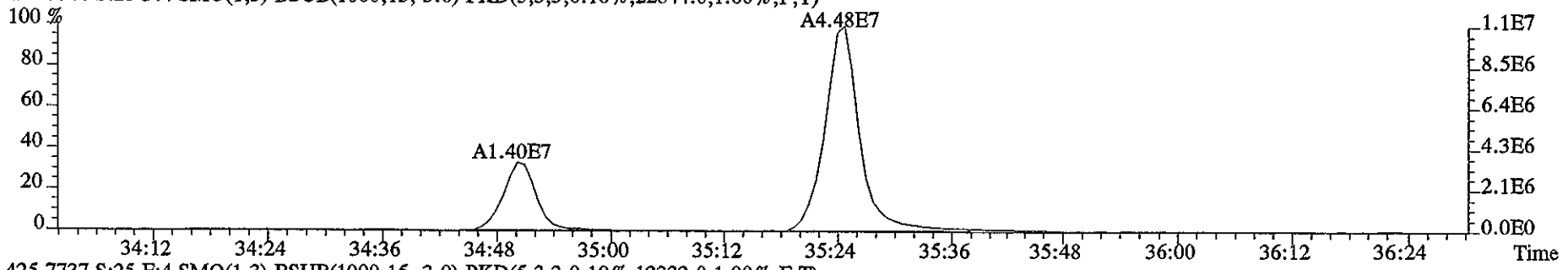


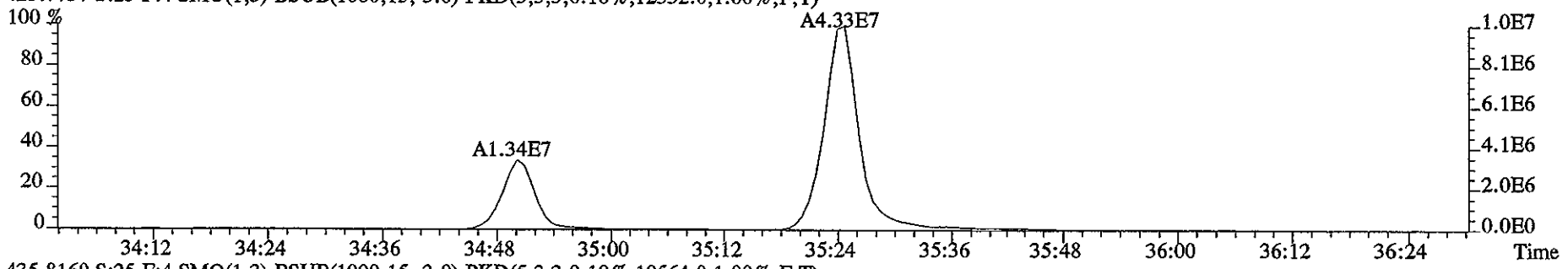


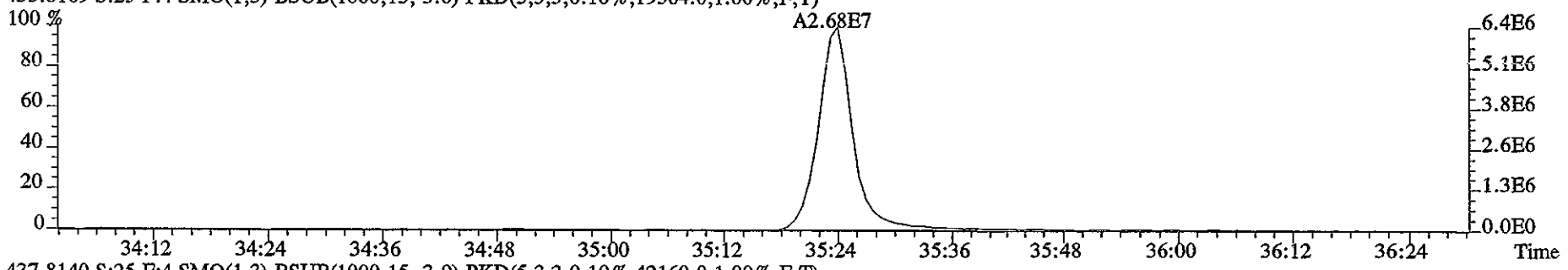


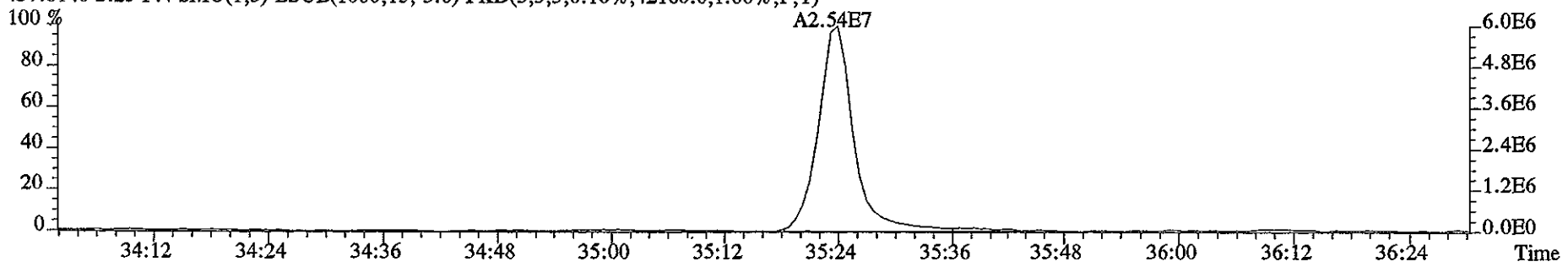


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

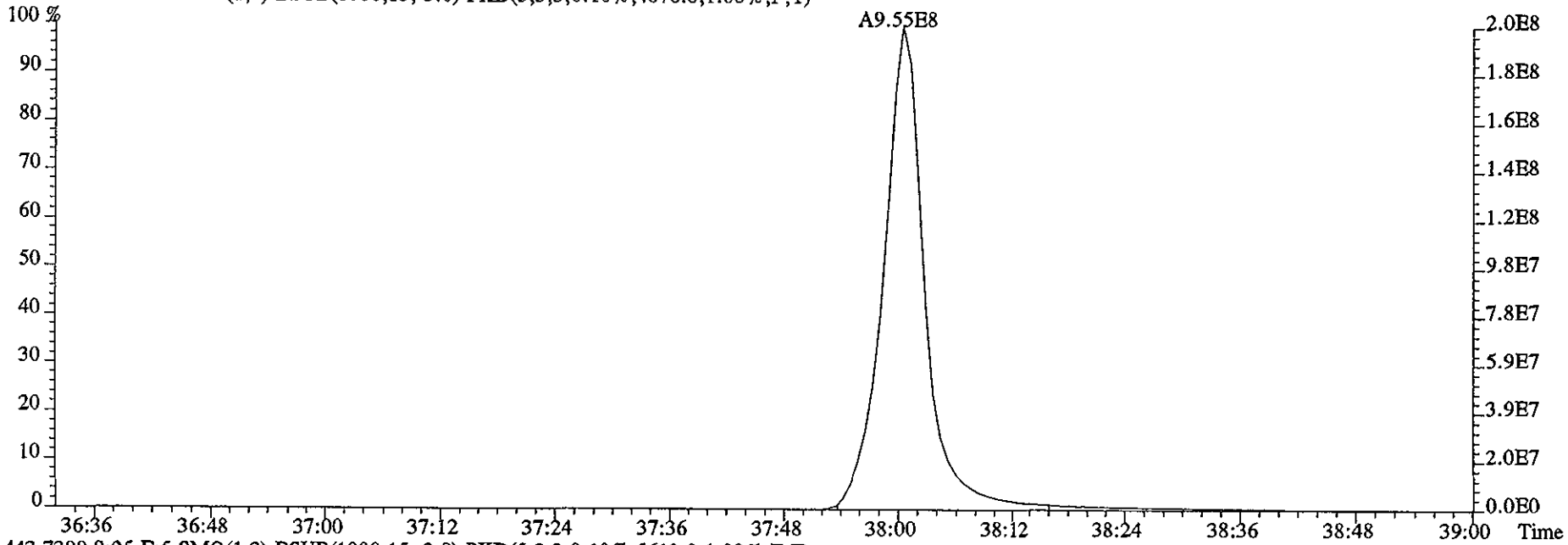




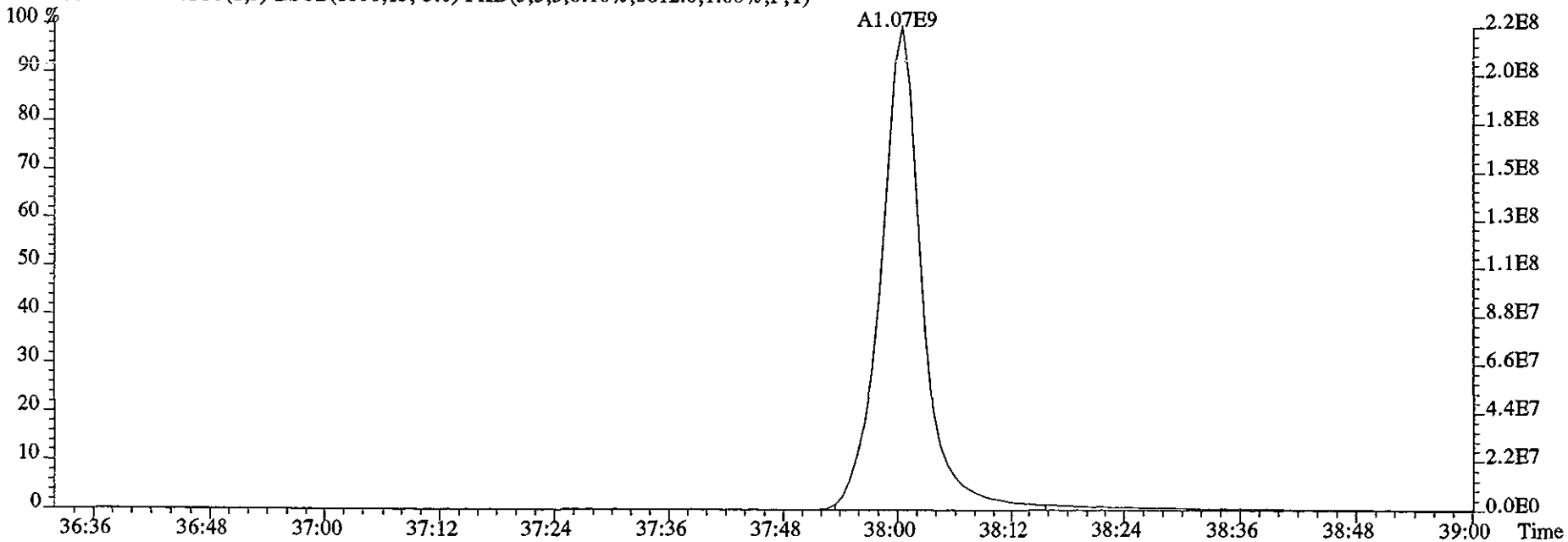




File:03MY10A4D5 #1-190 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A
441.7428 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)

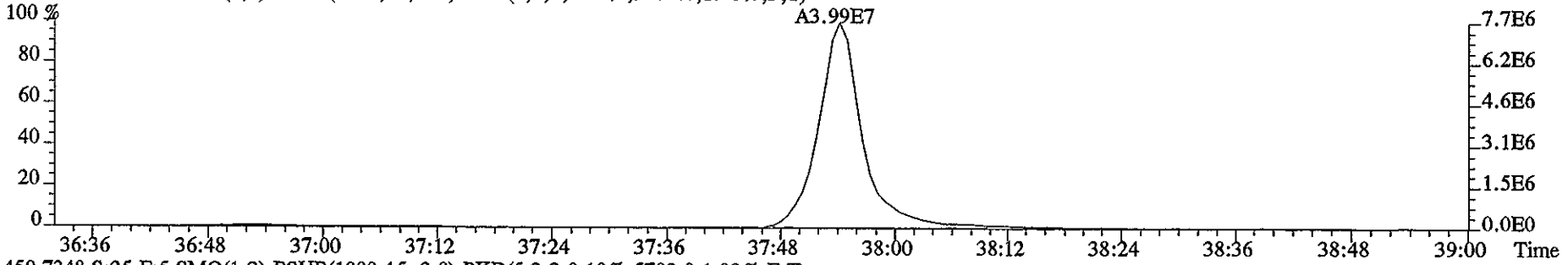


443.7399 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)

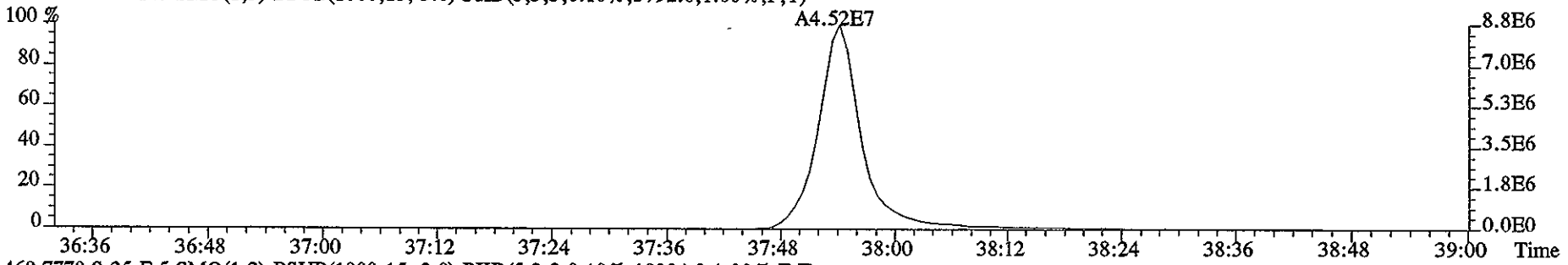


File:03MY10A4D5 #1-190 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

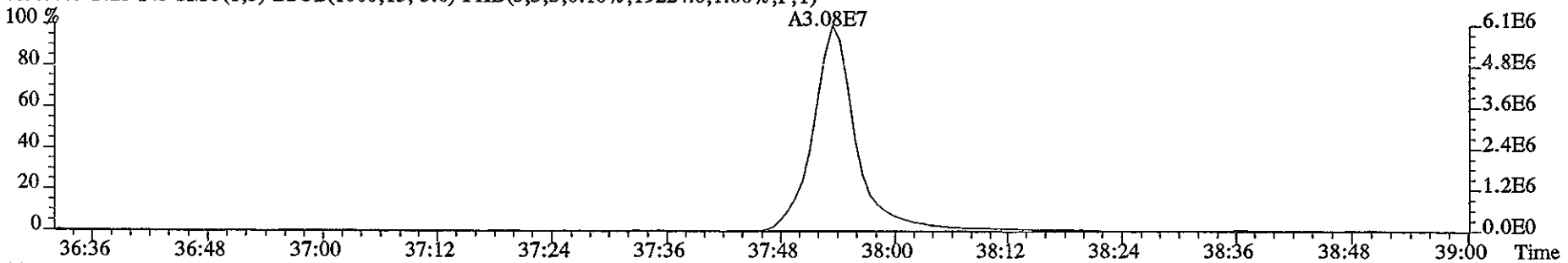
457.7377 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9956.0,1.00%,F,T)



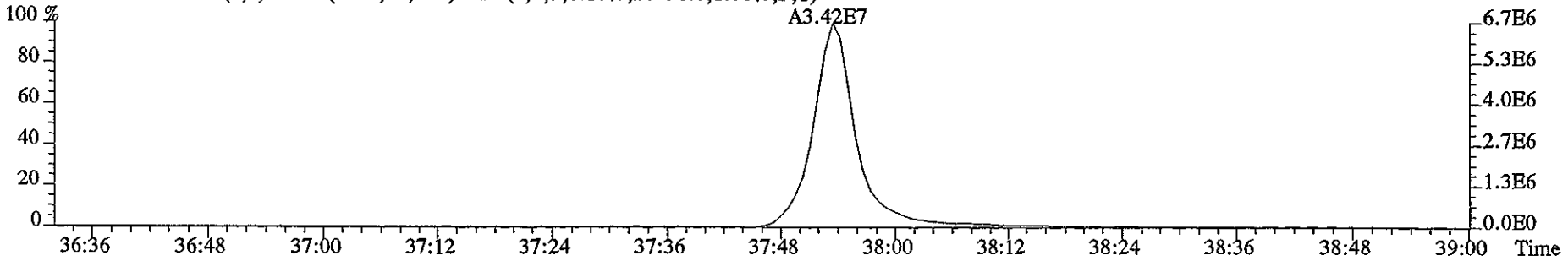
459.7348 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5792.0,1.00%,F,T)



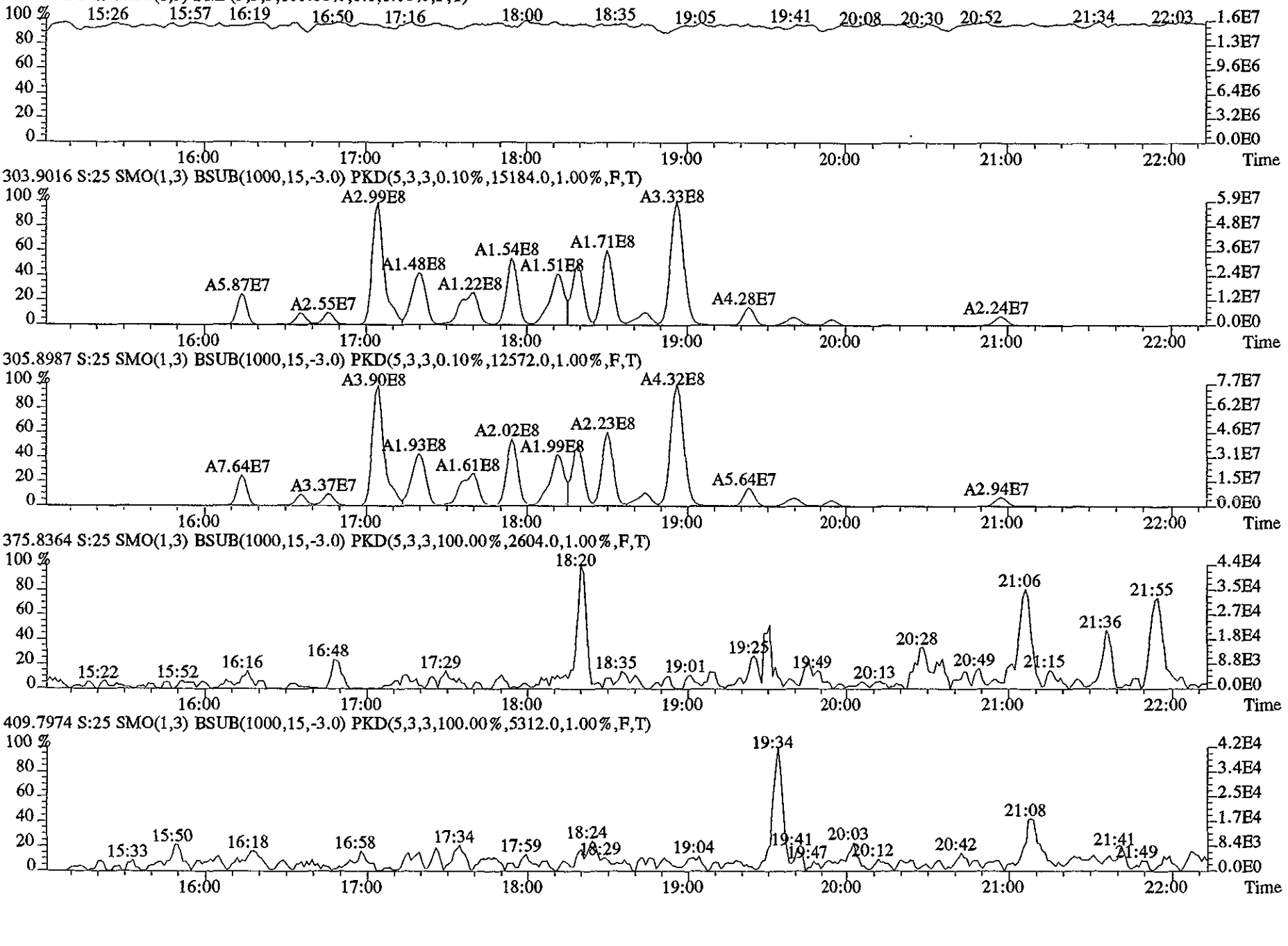
469.7779 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19224.0,1.00%,F,T)



471.7750 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20596.0,1.00%,F,T)

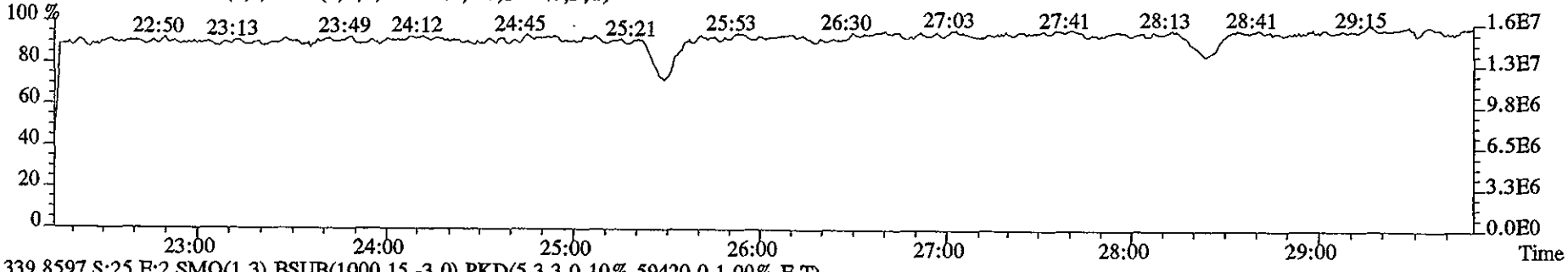


File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

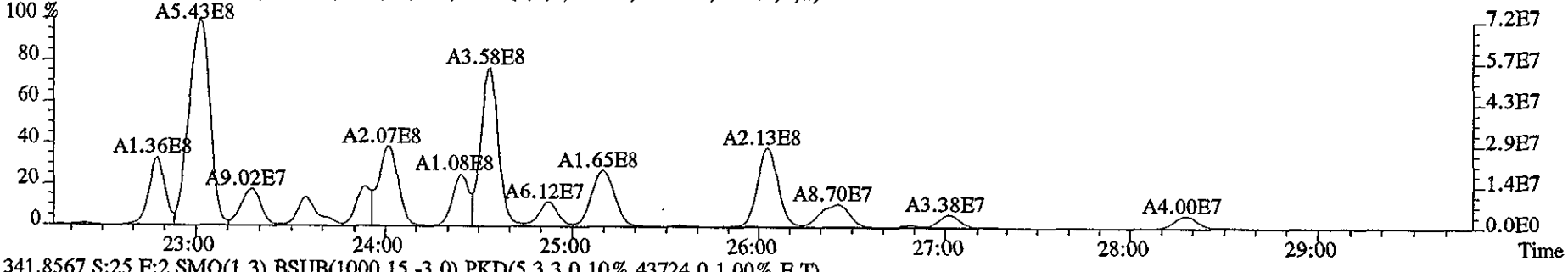


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

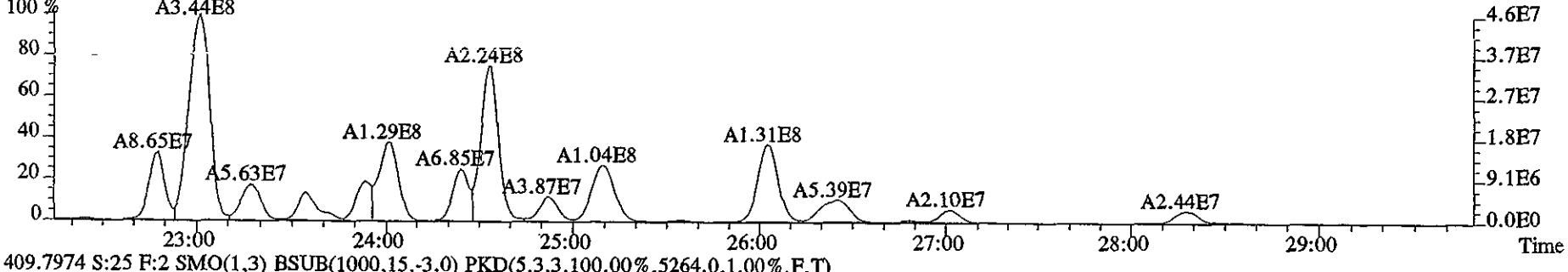
354.9792 S:25 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



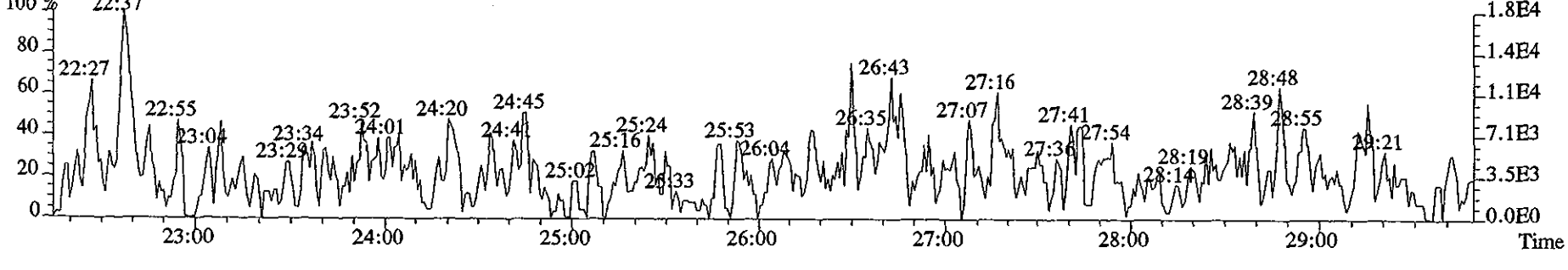
339.8597 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,59420.0,1.00%,F,T)



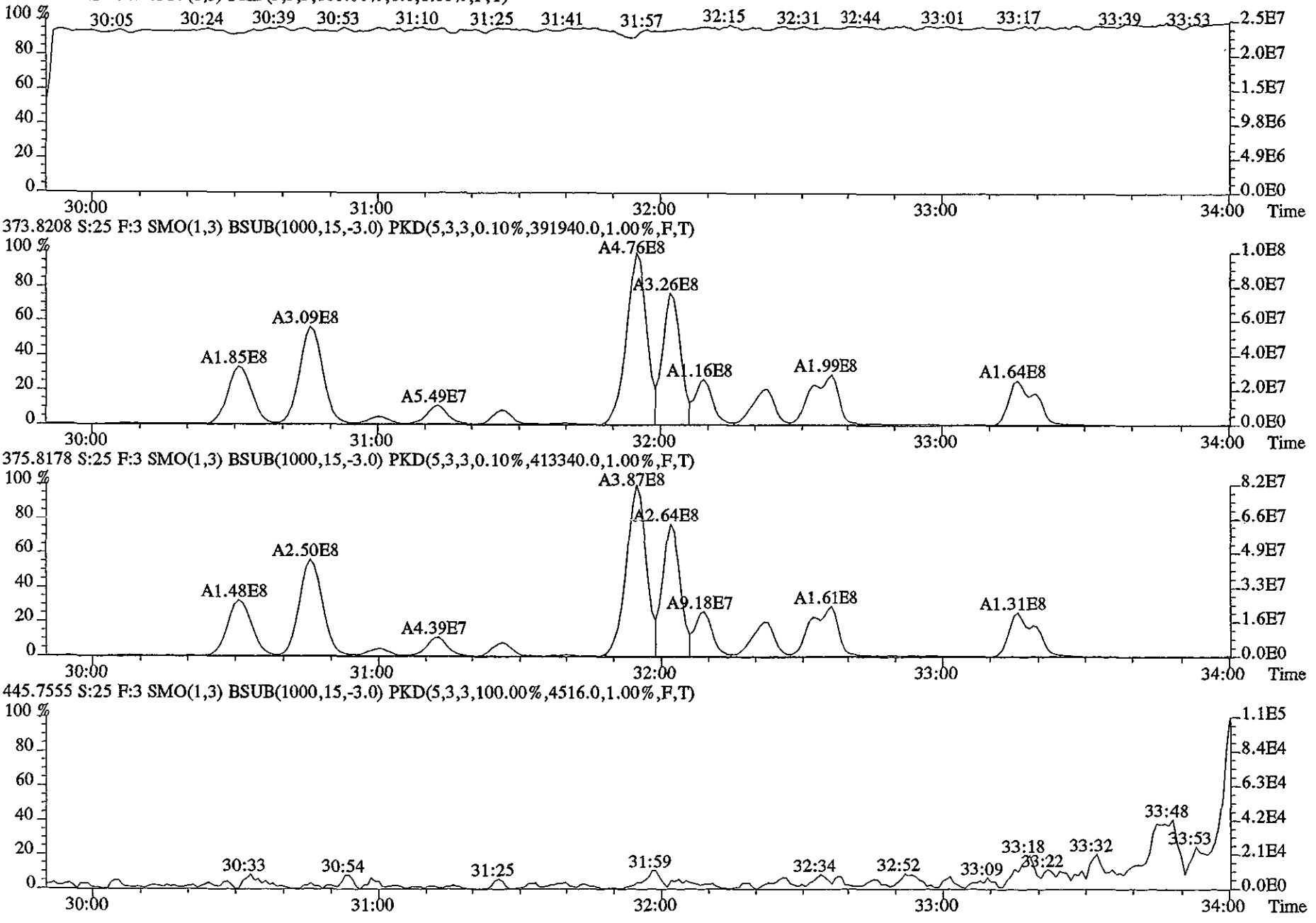
341.8567 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43724.0,1.00%,F,T)



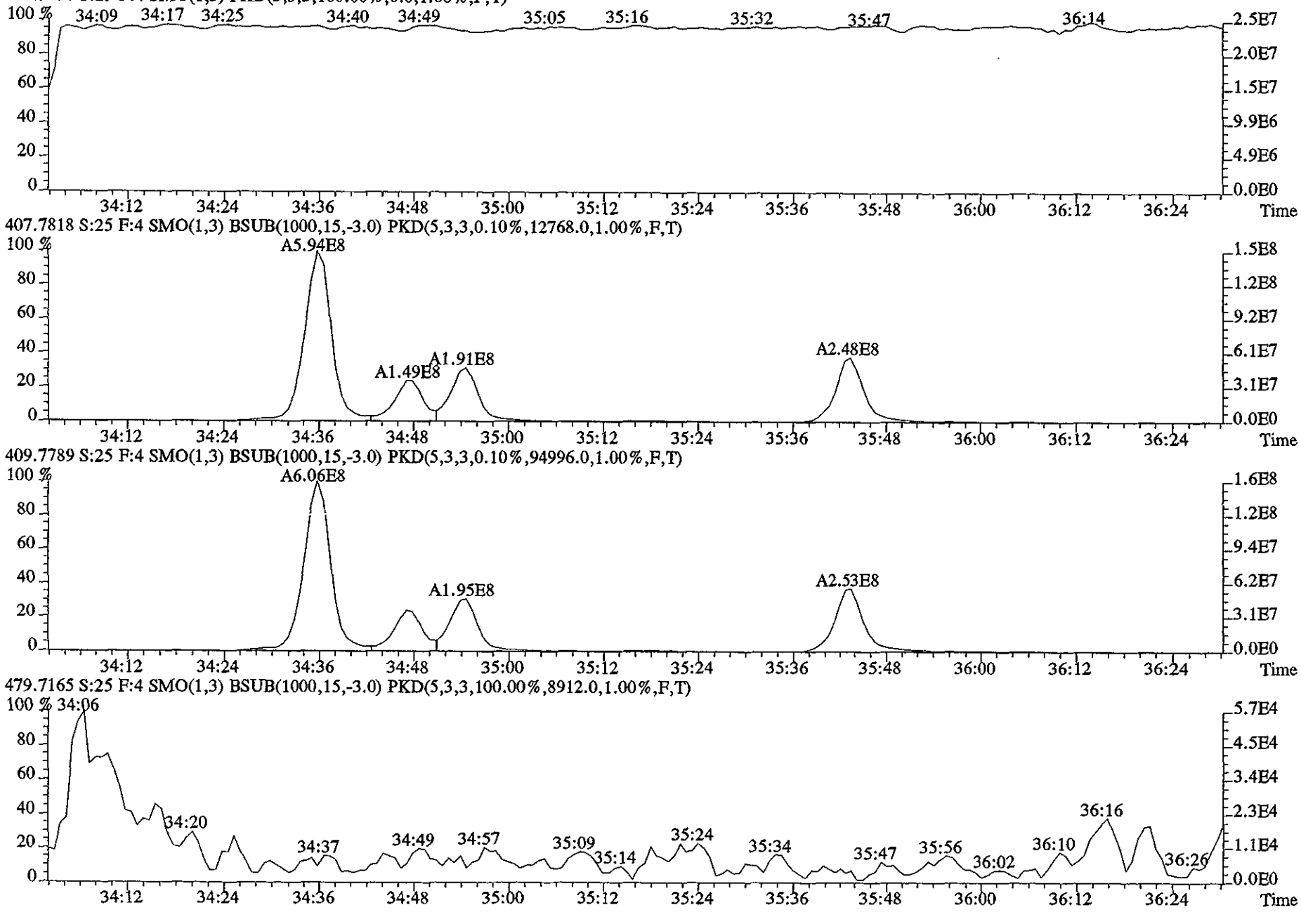
409.7974 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,5264.0,1.00%,F,T)



File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

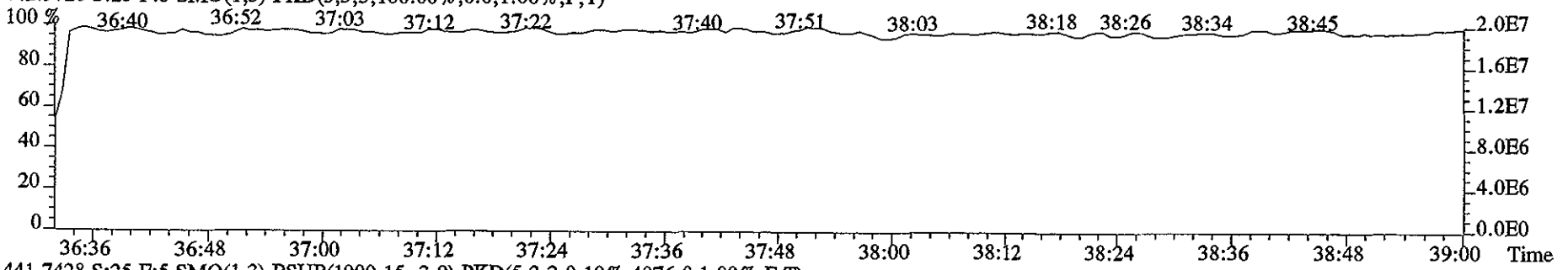


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

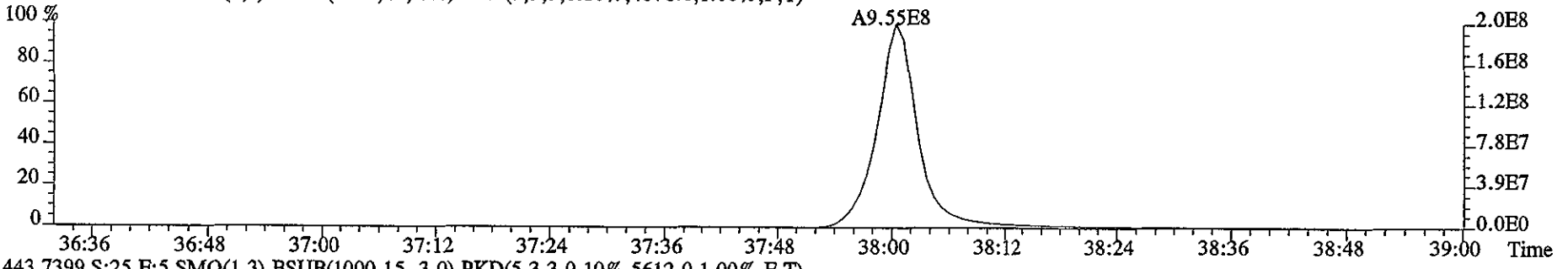


File:03MY10A4D5 #1-190 Acq: 4-MAY-2010 04:52:07 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:LX8NW-1-AE :G0D200500-55MS Exp:DIOXINRES8290A

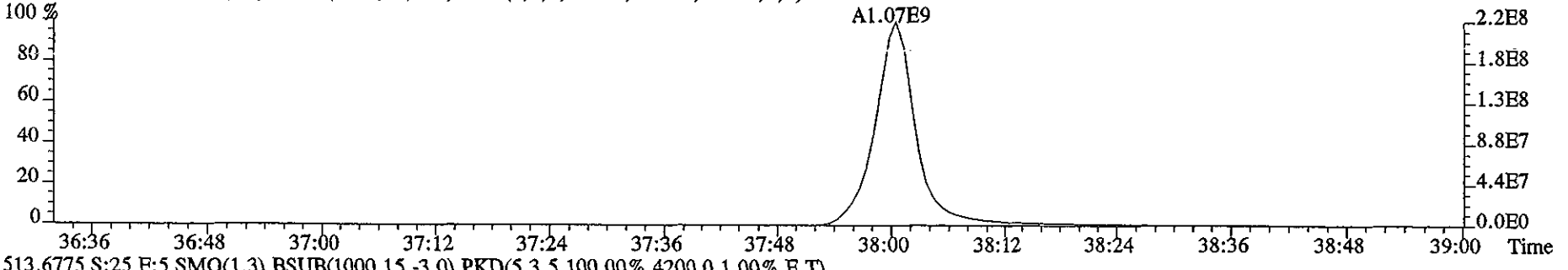
442.9728 S:25 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



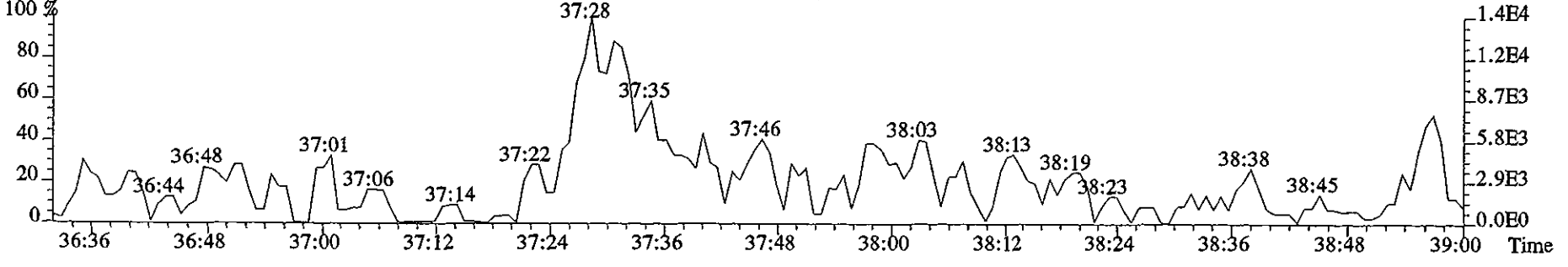
441.7428 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)



443.7399 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)



513.6775 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,4200.0,1.00%,F,T)



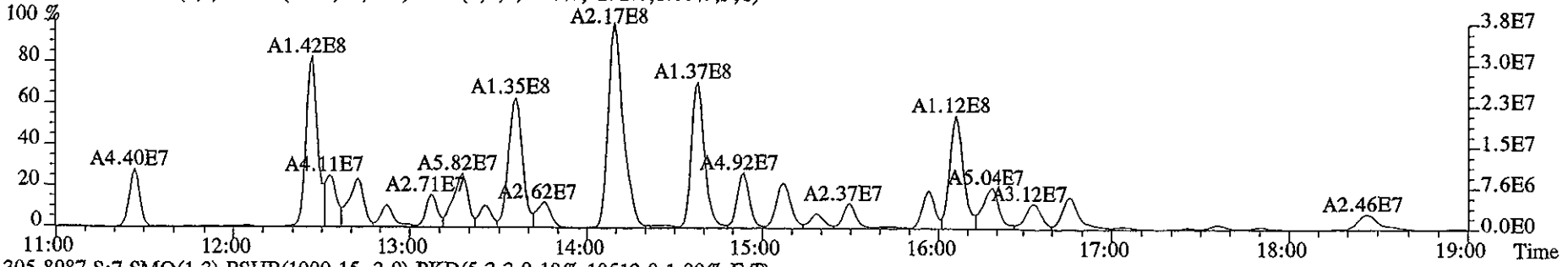
Run text: LX8NW-1-AE Sample text: LX8NW-1-AE :G0D200500-55S
Run #11 Filename: 04MY10A5D2 S: 7 I: 1 Results: 04MY10A5D2DB225
Acquired: 5-MAY-10 02:52:34 Processed: 5-MAY-10 08:08:42
Run: 04MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0000µg

Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	50765900	0.78 y	14:54	-	5.10		-	-	n
13C-2,3,7,8-TCDF	133024900	0.80 y	16:05	2.11	124.41		0.45	62.2	n
2,3,7,8-TCDF	254547000	0.79 y	16:06	1.09	351.60	Cen	0.36	-	n
13C-2,3,7,8-TCDD	56917700	0.75 y	14:42	0.95	118.21		0.53	59.1	n
2,3,7,8-TCDD	19068680	0.86 y	14:43	1.36	49.37		0.35	-	n
37Cl-2,3,7,8-TCDD	60620200	1.00 y	14:43	2.28	52.42		0.26	65.5	n

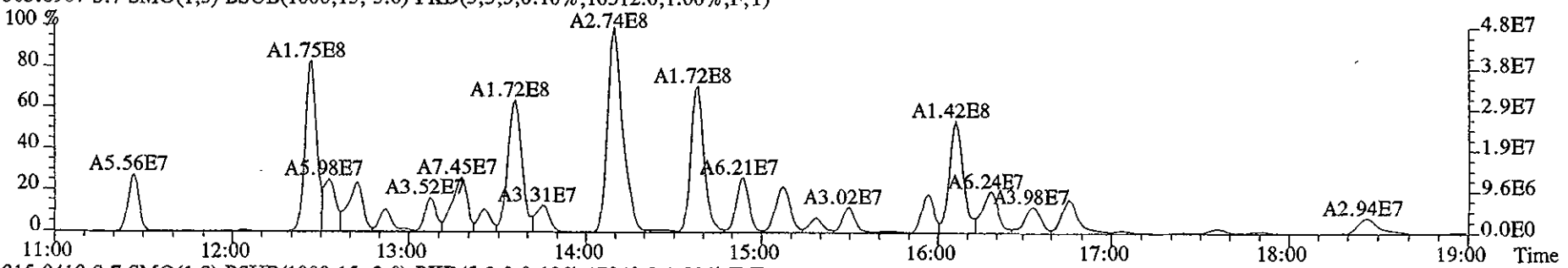
5/5/10
MS

File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 02:52:34 GC EI+ Voltage SIR 70SE
Sample#7 Text:LX8NW-1-AE :G0D200500-55S Exp:DB225RES

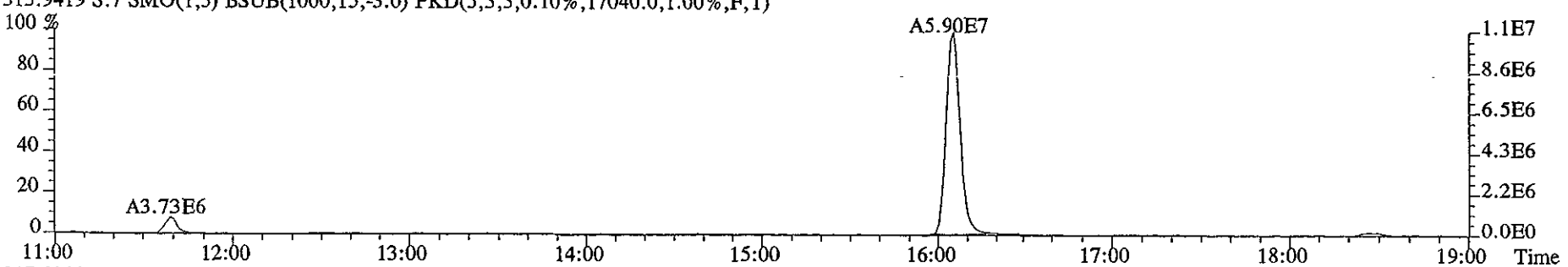
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5252.0,1.00%,F,T)



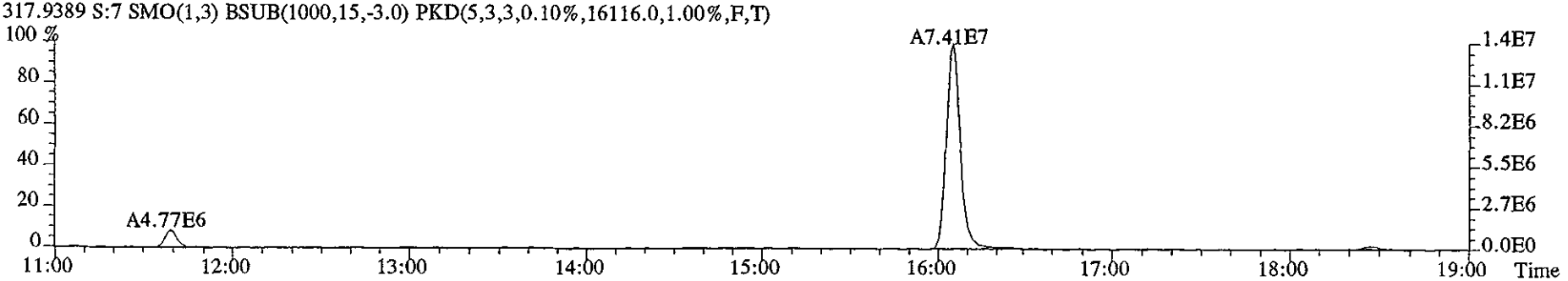
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10512.0,1.00%,F,T)



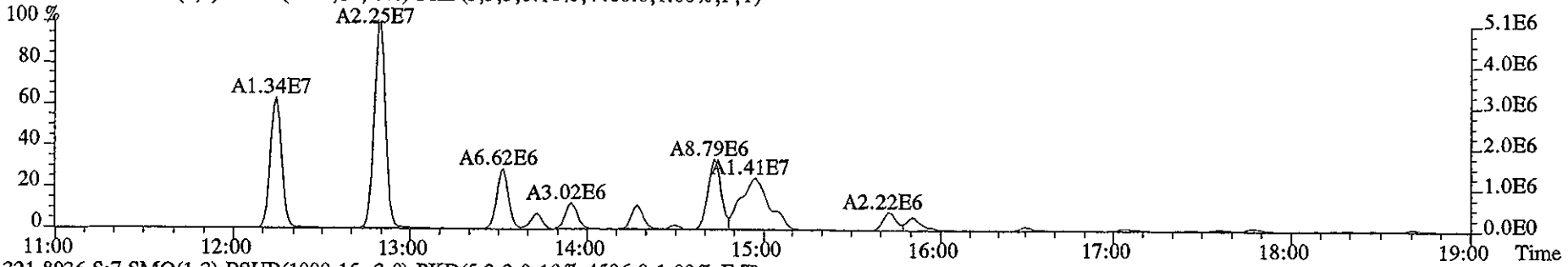
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17040.0,1.00%,F,T)



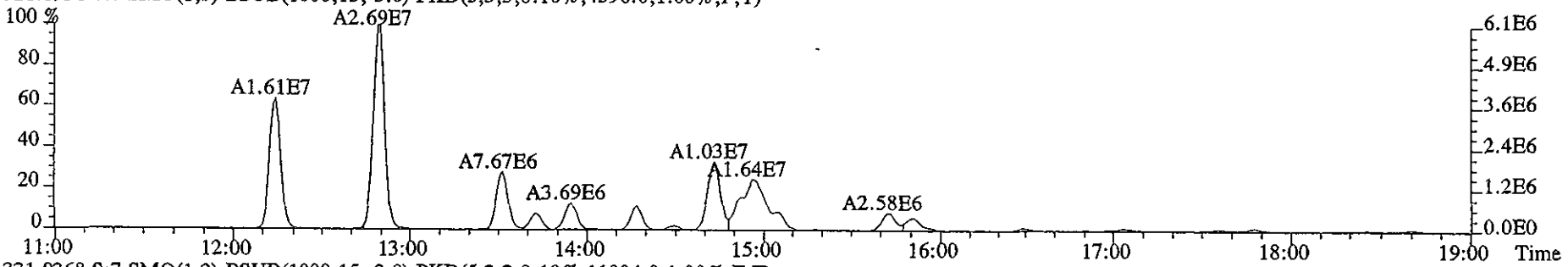
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16116.0,1.00%,F,T)



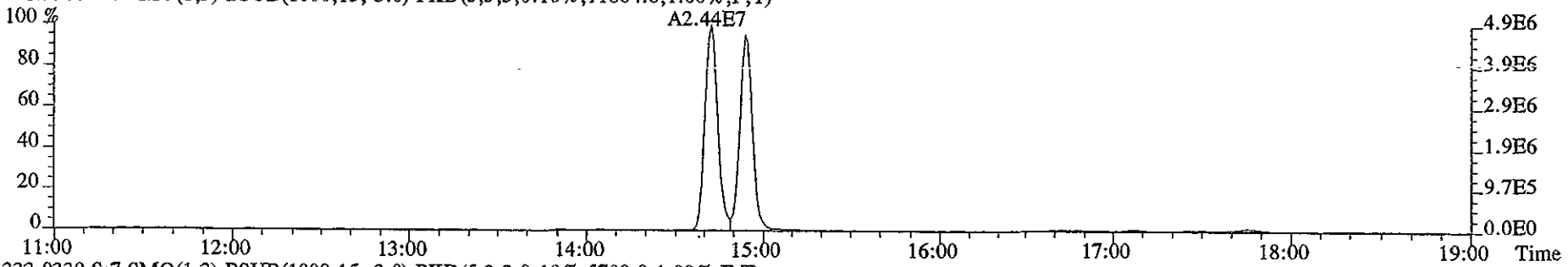
File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 02:52:34 GC EI+ Voltage SIR 70SE
Sample#7 Text:LX8NW-1-AE :G0D200500-55S Exp:DB225RES
319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4460.0,1.00%,F,T)



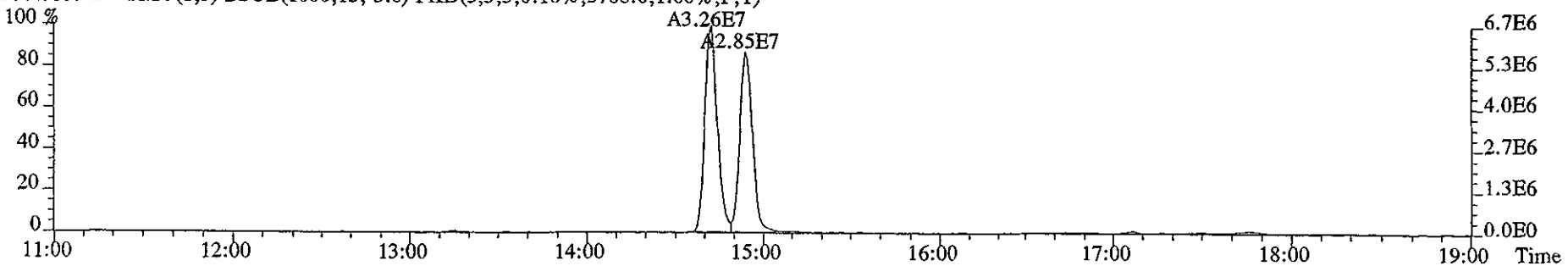
321.8936 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4596.0,1.00%,F,T)



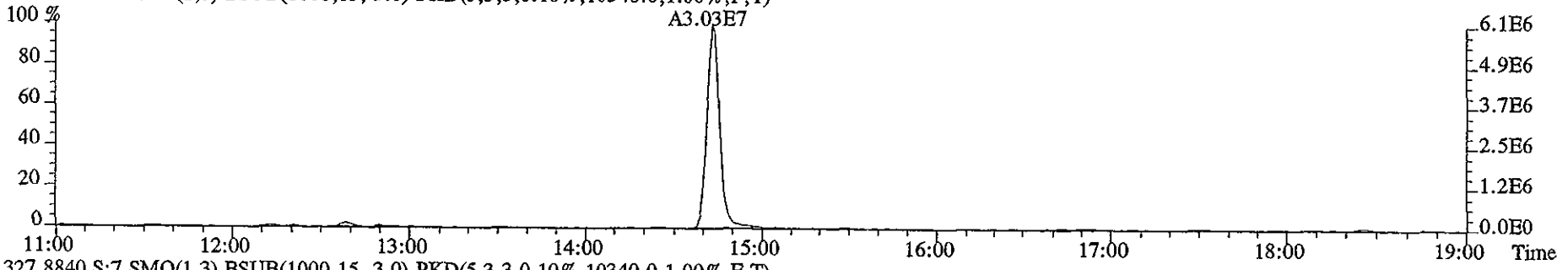
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11804.0,1.00%,F,T)



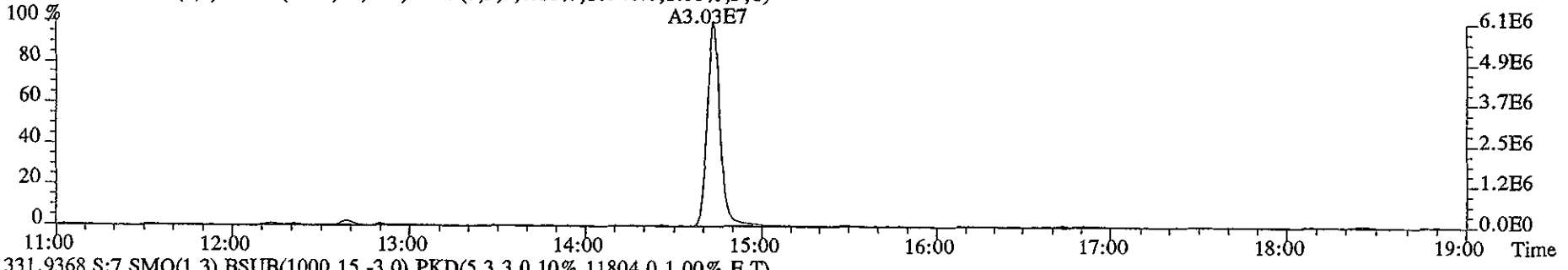
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5708.0,1.00%,F,T)



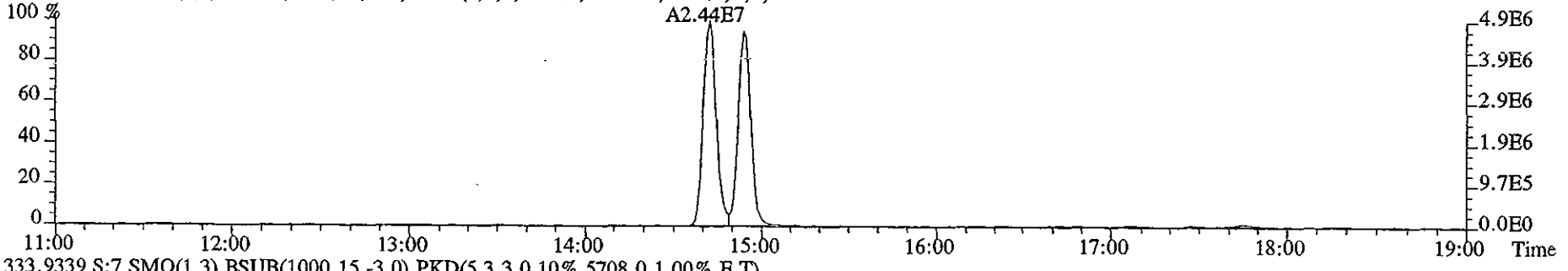
File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 02:52:34 GC EI+ Voltage SIR 70SE
Sample#7 Text:LX8NW-1-AE :G0D200500-55S Exp:DB225RES
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10340.0,1.00%,F,T)



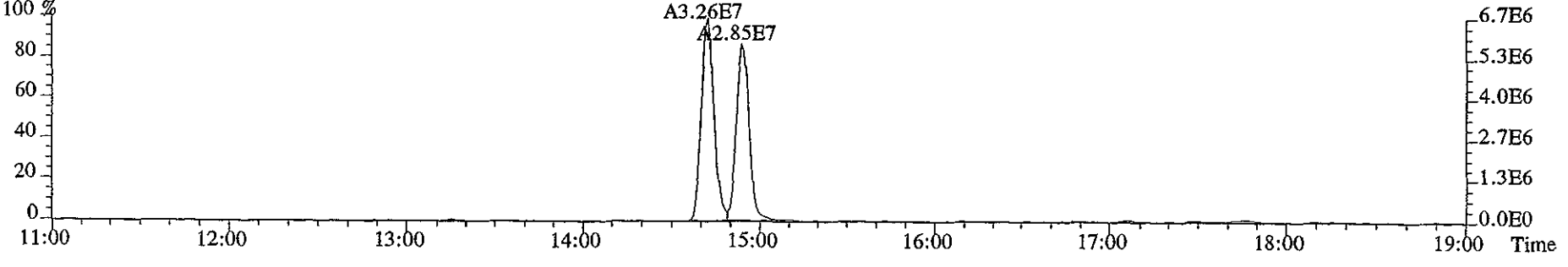
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10340.0,1.00%,F,T)



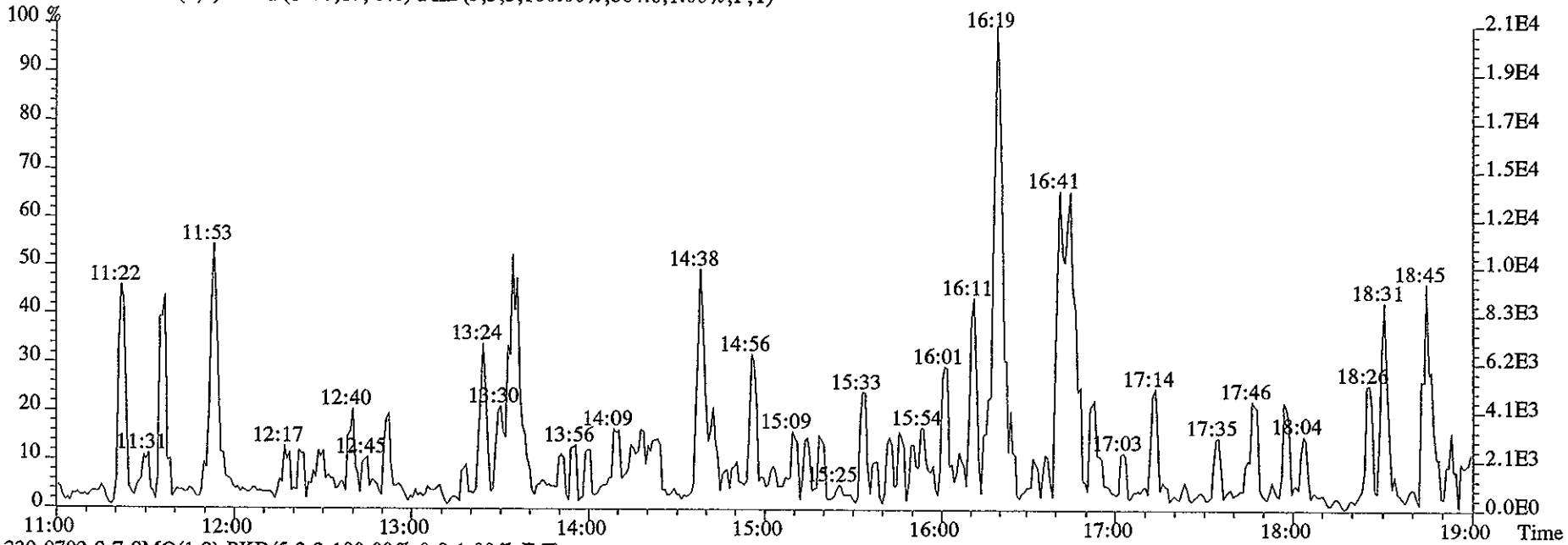
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11804.0,1.00%,F,T)



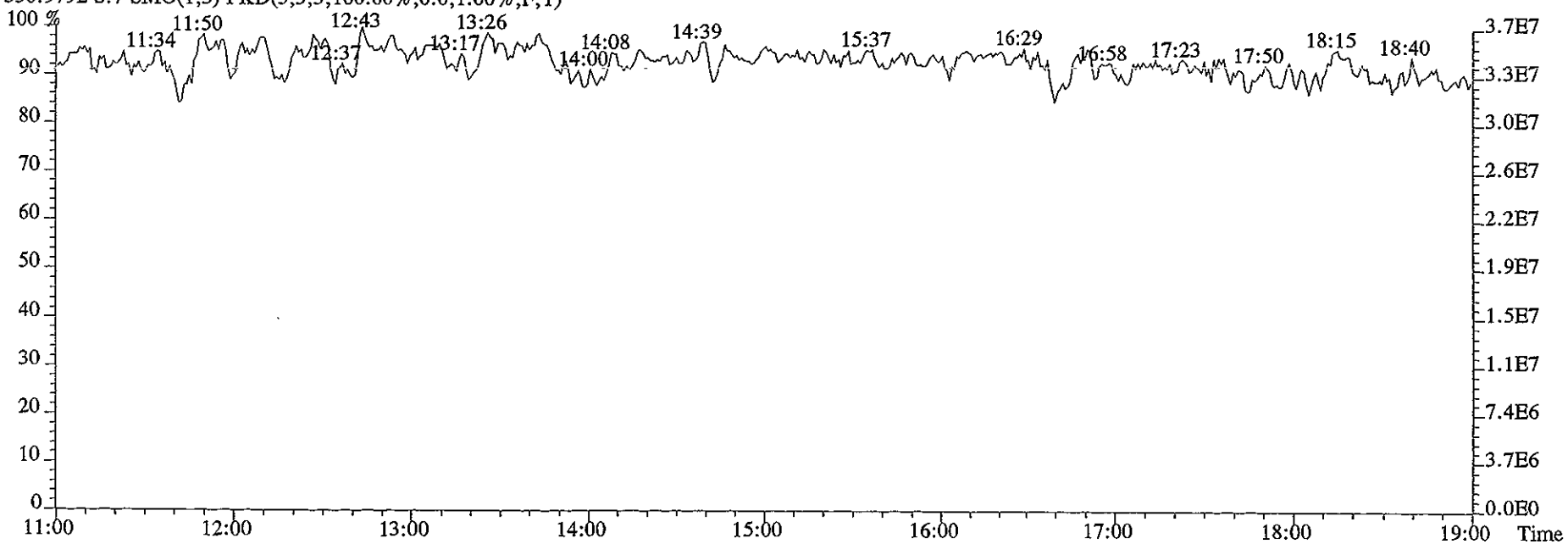
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5708.0,1.00%,F,T)



File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 02:52:34 GC EI+ Voltage SIR 70SE
Sample#7 Text:LX8NW-1-AE :G0D200500-55S Exp:DB225RES
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,884.0,1.00%,F,T)



330.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX8NW-1-AF Sample text: LX8NW-1-AF :G0D200500-55MSD
Run #28 Filename: 03MY10A4D5 S: 26 I: 1 Results: 03MY10A4D58290AVG
Acquired: 4-MAY-10 05:36:10 Processed: 4-MAY-10 09:54:28
Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.67 g

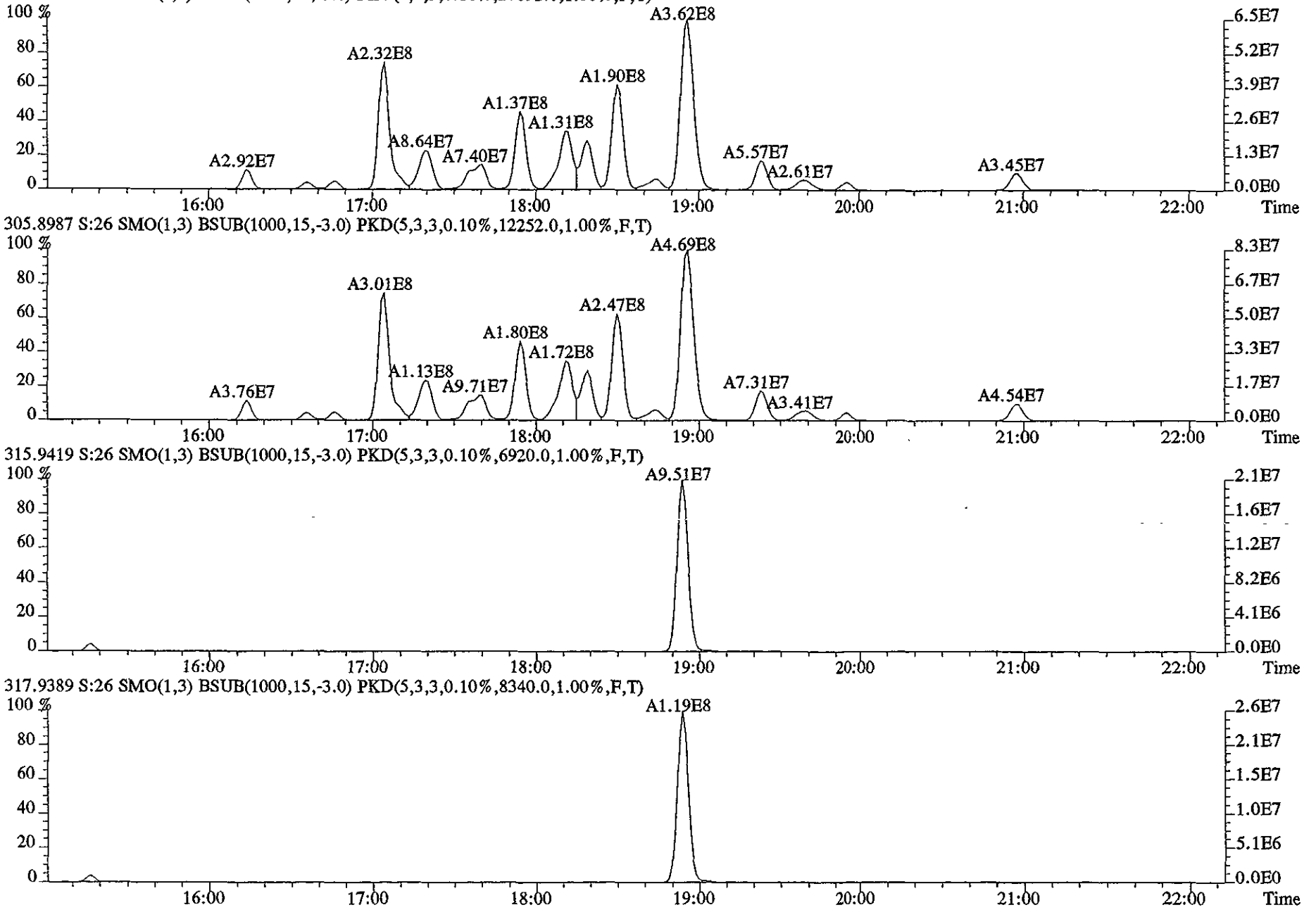
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	118892000	0.79	y	19:29	-	8.38	-	-	n
13C-2,3,7,8-TCDF	214357000	0.80	y	18:54	1.52	111.11	0.11	59.3	n
2,3,7,8-TCDF	830259000	0.77	y	18:56	0.95	768.01 See DB225	0.51	-	n
Total TCDF	3507118093	0.78	y	16:14	0.95	~~3244.15~~	0.51	-	n
13C-2,3,7,8-TCDD	149379200	0.80	y	19:41	0.95	123.99	0.14	66.1	n
2,3,7,8-TCDD	31090200	0.79	y	19:43	1.02	38.21 ✓	0.18	-	n
Total TCDD	247868580	0.77	y	17:13	1.02	~~304.62~~	0.18	-	n
37Cl-2,3,7,8-TCDD	152662400	1.00	y	19:42	2.26	53.22	0.06	71.0	n
13C-1,2,3,7,8-PeCDF	174644900	1.60	y	24:32	1.05	131.07 ✓	0.29	69.9	n
1,2,3,7,8-PeCDF	869100000	1.60	y	24:34	1.04	892.82 ✓	3.64	-	n
2,3,4,7,8-PeCDF	321884000	1.57	y	26:03	0.98	351.75 ✓	3.87	-	n
Total F2 PeCDF	3521883066	1.53	y	22:24	1.01	~~3713.05~~	3.75	-	n
Total F1 PeCDF	153035670	0.47	n	18:42	1.01	~~162.07~~	0.36	-	n
13C-1,2,3,7,8-PeCDD	125156600	1.55	y	26:50	0.67	147.15 ✓	0.19	78.5	n
1,2,3,7,8-PeCDD	105414600	1.56	y	26:52	0.98	160.78 ✓	0.58	-	n
Total PeCDD	282385796	1.56	y	23:14	0.98	~~430.70~~	0.58	-	n
13C-1,2,3,7,8,9-HxCDD	103113700	1.23	y	33:05	-	9.40	-	-	n
13C-1,2,3,4,7,8-HxCDF	71033900	0.52	y	31:55	1.02	63.00	0.70	33.6	n
1,2,3,4,7,8-HxCDF	963859000	1.23	y	31:56	1.21	2097.44 ✓E	13.97	-	n
1,2,3,6,7,8-HxCDF	724212000	1.28	y	32:02	1.34	1423.17 ✓E	12.61	-	n
2,3,4,6,7,8-HxCDF	286514000	1.25	y	32:36	1.22	618.55 ✓	13.86	-	y
1,2,3,7,8,9-HxCDF	295749000	1.20	y	33:16	1.09	714.36 ✓	15.50	-	y
Total HxCDF	3887378470	1.23	y	30:31	1.22	~~8358.14~~	13.91	-	y
13C-1,2,3,6,7,8-HxCDD	70223800	1.28	y	32:49	0.81	79.08	0.50	42.2	n
1,2,3,4,7,8-HxCDD	56636700	1.26	y	32:45	1.01	150.16 ✓	1.05	-	n
1,2,3,6,7,8-HxCDD	78861800	1.28	y	32:49	1.11	188.97 ✓	0.95	-	n
1,2,3,7,8,9-HxCDD	118944400	1.29	y	33:05	1.21	262.60 ✓	0.87	-	n
Total HxCDD	365795350	1.28	y	31:21	1.11	~~869.52~~	0.95	-	n
13C-1,2,3,4,6,7,8-HpCDF	60593900	0.45	y	34:36	0.86	63.85	0.86	34.1	n
1,2,3,4,6,7,8-HpCDF	1798760000	0.98	y	34:36	1.31	4248.59 ✓E	9.32	-	n
1,2,3,4,7,8,9-HpCDF	1046535000	0.99	y	35:43	1.03	3156.44 ✓E	11.91	-	n
Total HpCDF	3981404840	0.98	y	34:36	1.17	~~10414.86~~	10.46	-	n
13C-1,2,3,4,6,7,8-HpCDD	74984400	1.04	y	35:24	0.70	97.71	0.82	52.1	n
1,2,3,4,6,7,8-HpCDD	157043600	1.03	y	35:25	1.07	366.25 ✓	9.96	-	n
Total HpCDD	209010000	1.04	y	34:51	1.07	~~487.45~~	9.96	-	n
13C-OCDD	110827900	0.92	y	37:54	0.53	189.56	1.01	50.6	n
OCDF	4721940000	0.89	y	38:01	1.45	11050.77 ✓E	0.59	-	n

OCDD	170658900	0.89	y	37:55	1.17	494.98	✓	1.06	- n

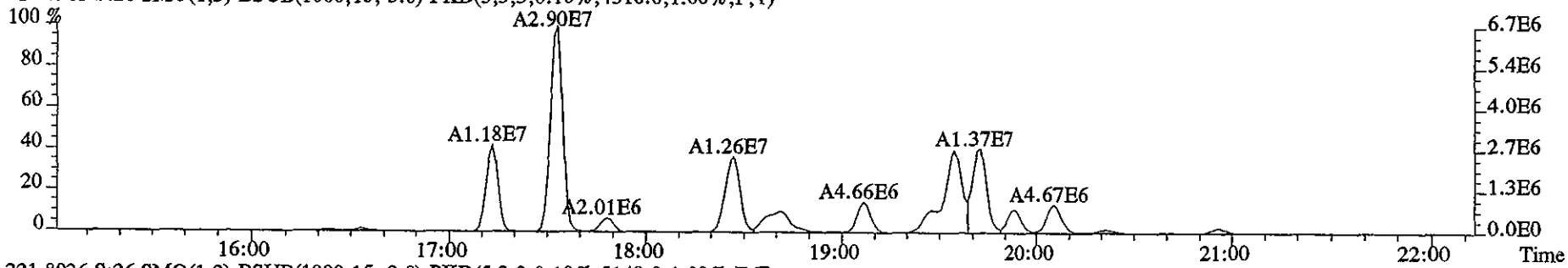
Run text: LX8NW-1-AF Sample text: LX8NW-1-AF :G0D200500-55MSD
Run #28 Filename: 03MY10A4D5 S: 26 I: 1 Results: 03MY10A4D58290A
Acquired: 4-MAY-10 05:36:10 Processed: 4-MAY-10 09:54:28
Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.67 g

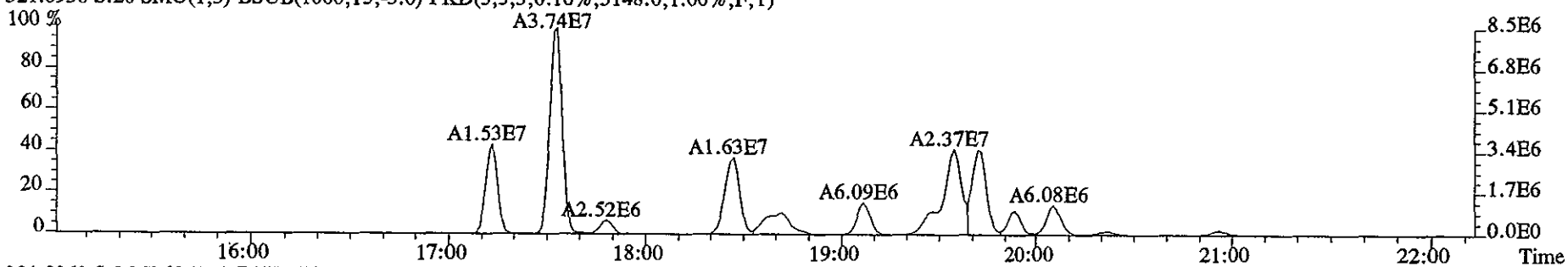
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	118892000	0.79	y	19:29	-	8.3755	-	-	n
13C-2,3,7,8-TCDF	214357000	0.80	y	18:54	1.52	111.1134	0.1137	59.3	n
2,3,7,8-TCDF	830259000	0.77	y	18:56	0.95	768.0053	0.5064	-	n
Total TCDF	3507118093	0.78	y	16:14	0.95	3244.1506	0.5064	-	n
13C-2,3,7,8-TCDD	149379200	0.80	y	19:41	0.95	123.9916	0.1434	66.1	n
2,3,7,8-TCDD	31090200	0.79	y	19:43	1.02	38.2090	0.1789	-	n
Total TCDD	247868580	0.77	y	17:13	1.02	304.6234	0.1789	-	n
37Cl-2,3,7,8-TCDD	152662400	1.00	y	19:42	2.26	53.2178	0.0628	71.0	n
13C-1,2,3,7,8-PeCDF	174644900	1.60	y	24:32	1.05	131.0736	0.2865	69.9	n
1,2,3,7,8-PeCDF	869100000	1.60	y	24:34	1.04	892.8202	3.6395	-	n
2,3,4,7,8-PeCDF	321884000	1.57	y	26:03	0.98	351.7477	3.8715	-	n
Total F2 PeCDF	3521883066	1.53	y	22:24	1.01	3713.0461	3.7519	-	n
Total F1 PeCDF	153035670	0.47	n	18:42	1.01	162.0685	0.3609	-	n
13C-1,2,3,7,8-PeCDD	125156600	1.55	y	26:50	0.67	147.1494	0.1871	78.5	n
1,2,3,7,8-PeCDD	105414600	1.56	y	26:52	0.98	160.7810	0.5795	-	n
Total PeCDD	282385796	1.56	y	23:14	0.98	430.7020	0.5795	-	n
13C-1,2,3,7,8,9-HxCDD	103113700	1.23	y	33:05	-	9.4046	-	-	n
13C-1,2,3,4,7,8-HxCDF	71033900	0.52	y	31:55	1.02	62.9969	0.6995	33.6	n
1,2,3,4,7,8-HxCDF	963859000	1.23	y	31:56	1.21	2097.4384	13.9682	-	n
1,2,3,6,7,8-HxCDF	724212000	1.28	y	32:02	1.34	1423.1743	12.6141	-	n
2,3,4,6,7,8-HxCDF	587425000	1.22	y	32:32	1.22	1268.1884	13.8579	-	n
1,2,3,7,8,9-HxCDF	495842000	1.24	y	33:16	1.09	1197.6661	15.5045	-	n
Total HxCDF	4328894370	1.23	y	30:31	1.22	9362.1509	13.9118	-	n
13C-1,2,3,6,7,8-HxCDD	70223800	1.28	y	32:49	0.81	79.0849	0.4984	42.2	n
1,2,3,4,7,8-HxCDD	56636700	1.26	y	32:45	1.01	150.1605	1.0462	-	n
1,2,3,6,7,8-HxCDD	78861800	1.28	y	32:49	1.11	188.9717	0.9456	-	n
1,2,3,7,8,9-HxCDD	118944400	1.29	y	33:05	1.21	262.5963	0.8712	-	n
Total HxCDD	365795350	1.28	y	31:21	1.11	869.5206	0.9490	-	n
13C-1,2,3,4,6,7,8-HpCDF	60593900	0.45	y	34:36	0.86	63.8475	0.8600	34.1	n
1,2,3,4,6,7,8-HpCDF	1798760000	0.98	y	34:36	1.31	4248.5924	9.3249	-	n
1,2,3,4,7,8,9-HpCDF	1046535000	0.99	y	35:43	1.03	3156.4427	11.9074	-	n
Total HpCDF	3981404840	0.98	y	34:36	1.17	10414.8644	10.4591	-	n
13C-1,2,3,4,6,7,8-HpCDD	74984400	1.04	y	35:24	0.70	97.7123	0.8225	52.1	n
1,2,3,4,6,7,8-HpCDD	157043600	1.03	y	35:25	1.07	366.2515	9.9580	-	n
Total HpCDD	209010000	1.04	y	34:51	1.07	487.4457	9.9580	-	n
13C-OCDD	110827900	0.92	y	37:54	0.53	189.5647	1.0070	50.6	n
OCDF	4721940000	0.89	y	38:01	1.45	11050.7726	0.5885	-	n
OCDD	170658900	0.89	y	37:55	1.17	494.9754	1.0586	-	n

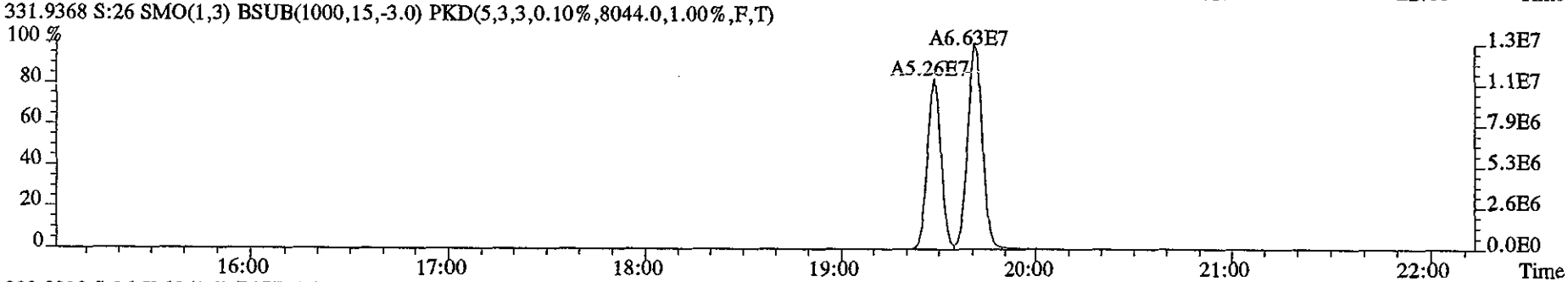
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

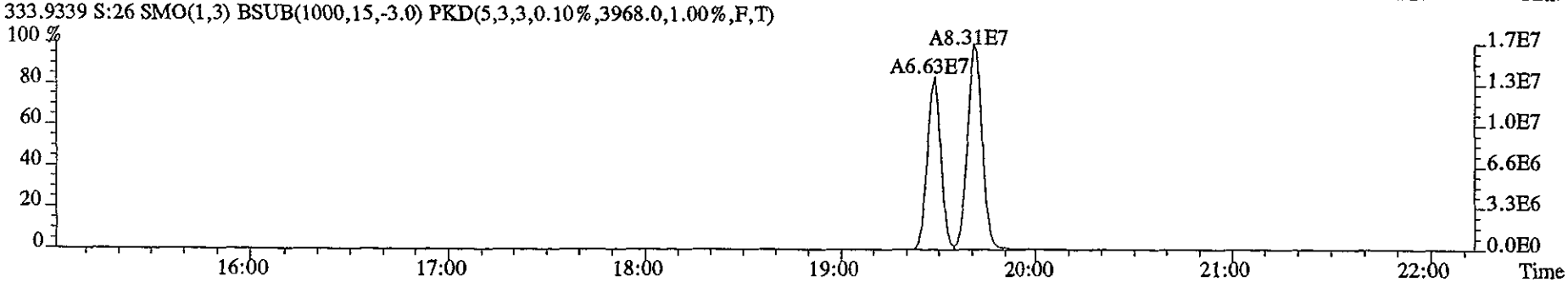


File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A



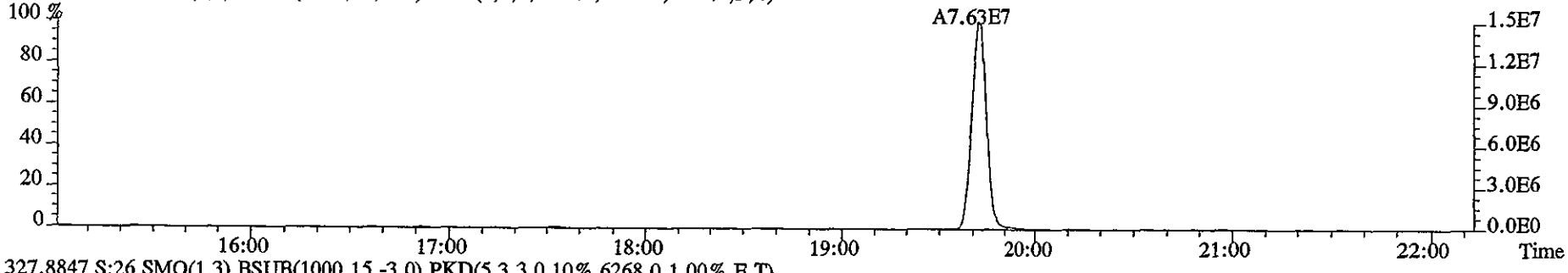




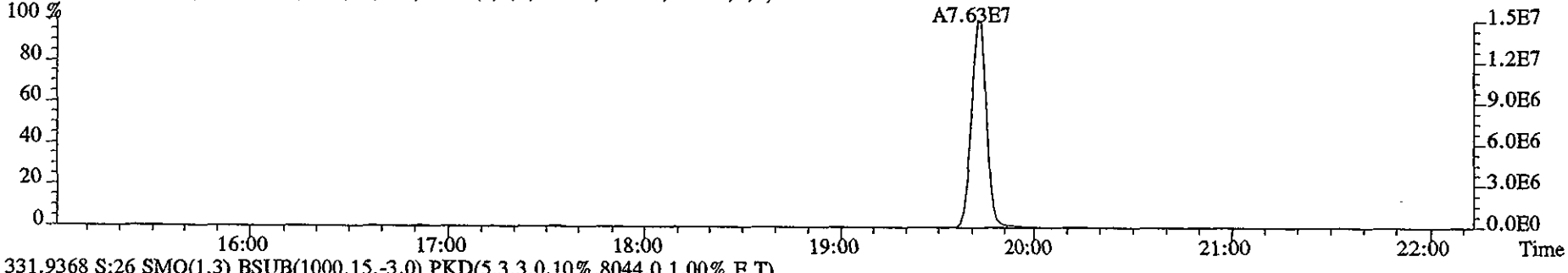


File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

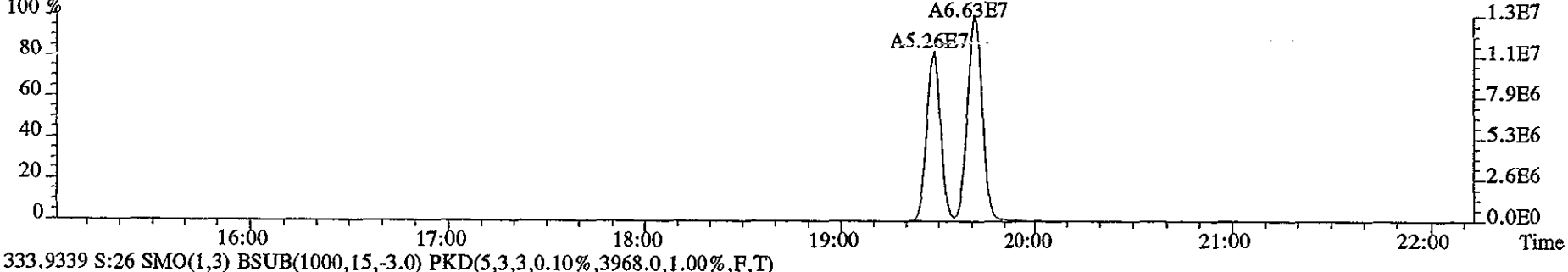
327.8847 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



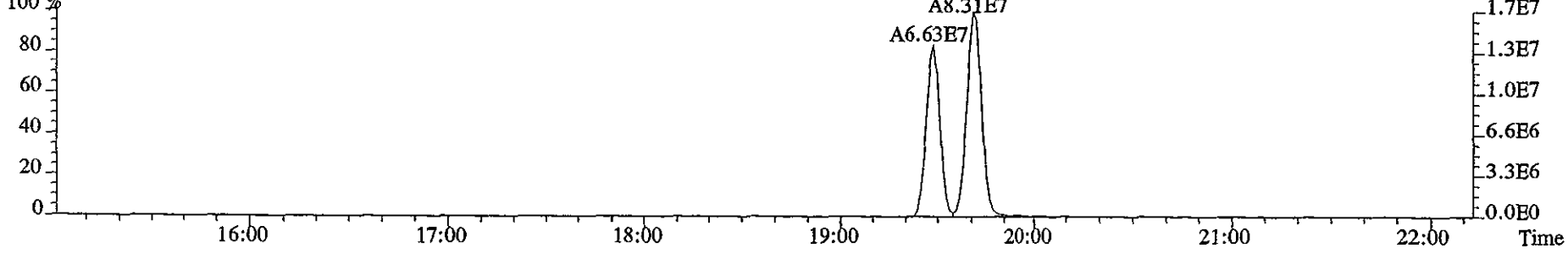
327.8847 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



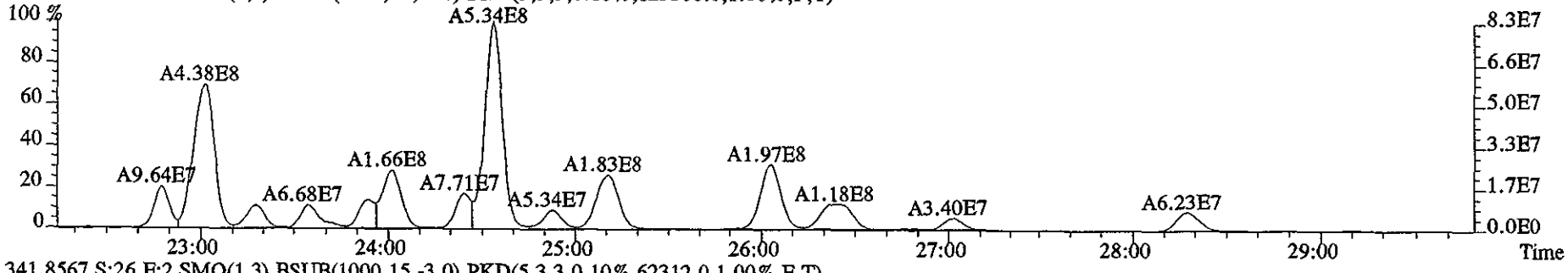
331.9368 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8044.0,1.00%,F,T)

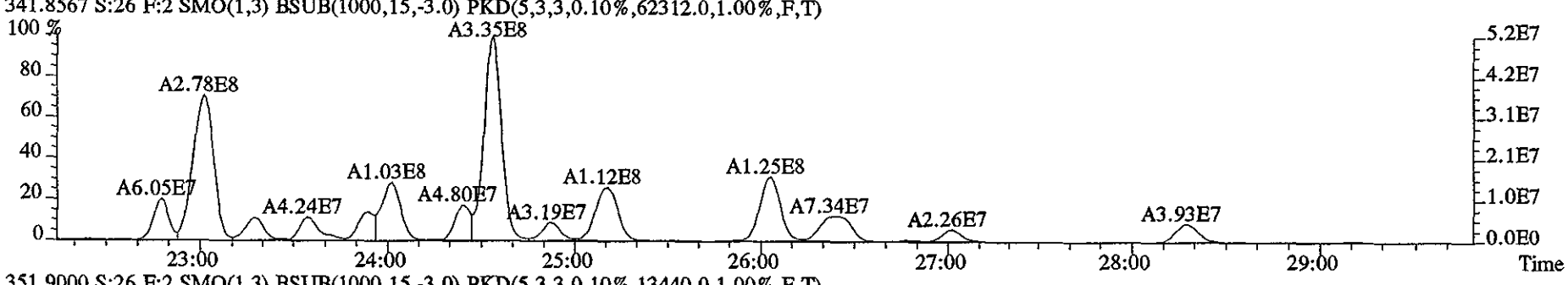


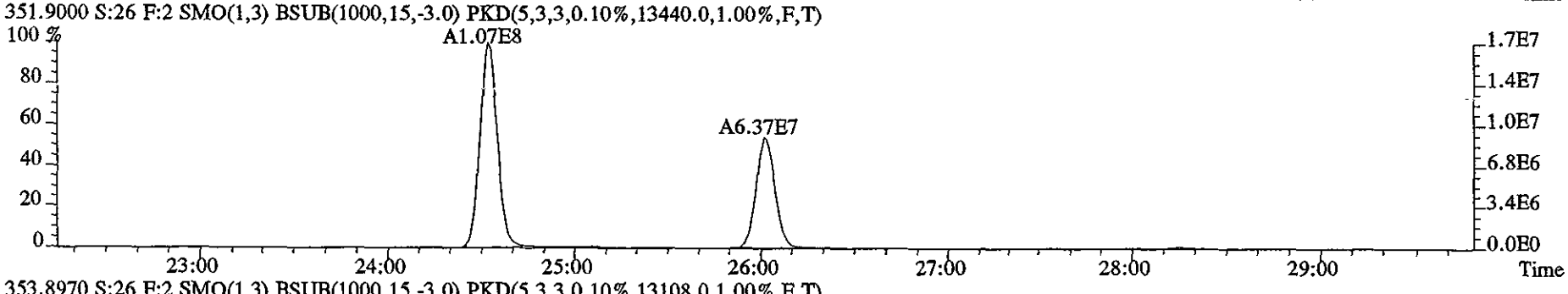
333.9339 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)

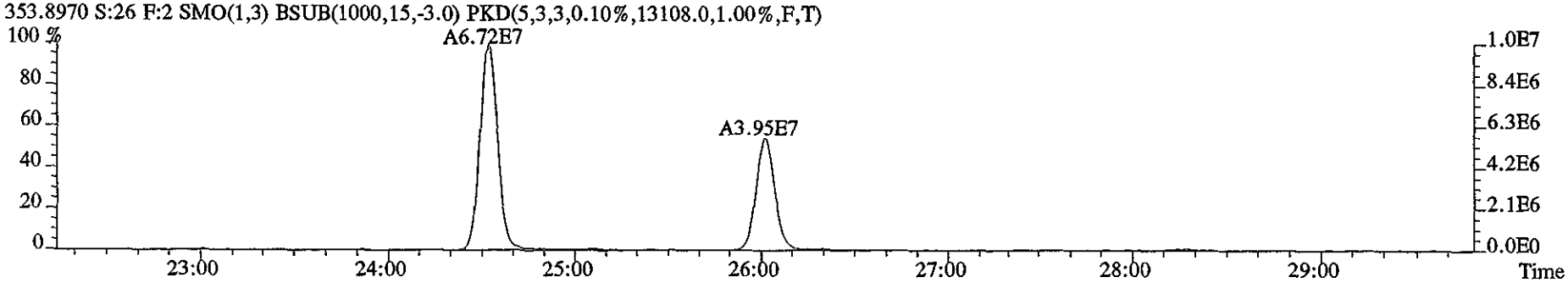


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

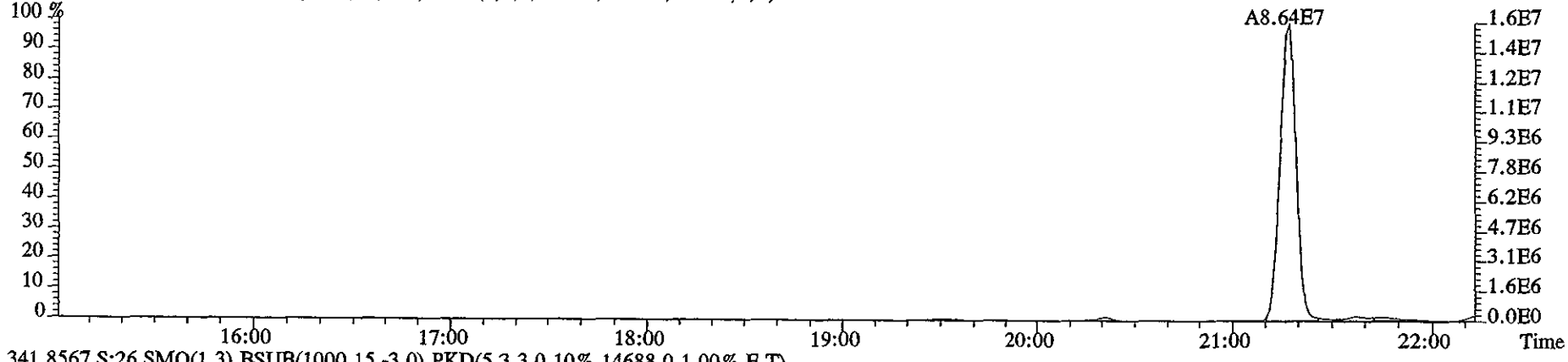




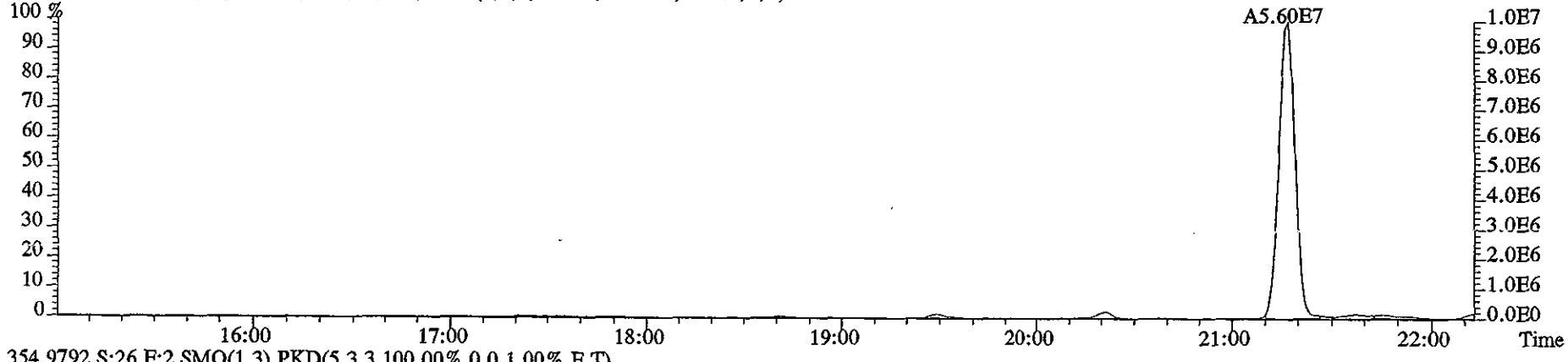




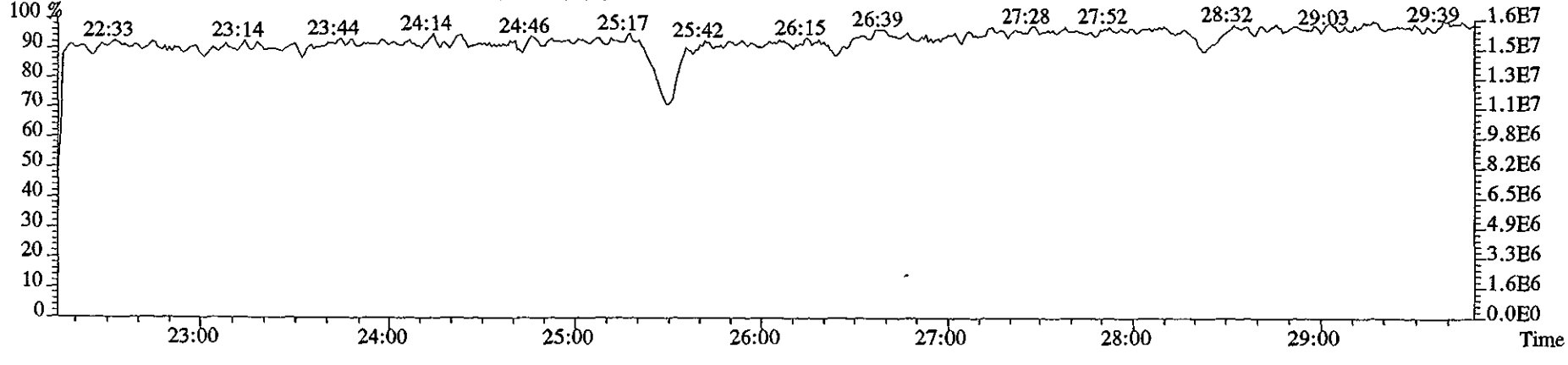
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A
339.8597 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3184.0,1.00%,F,T)



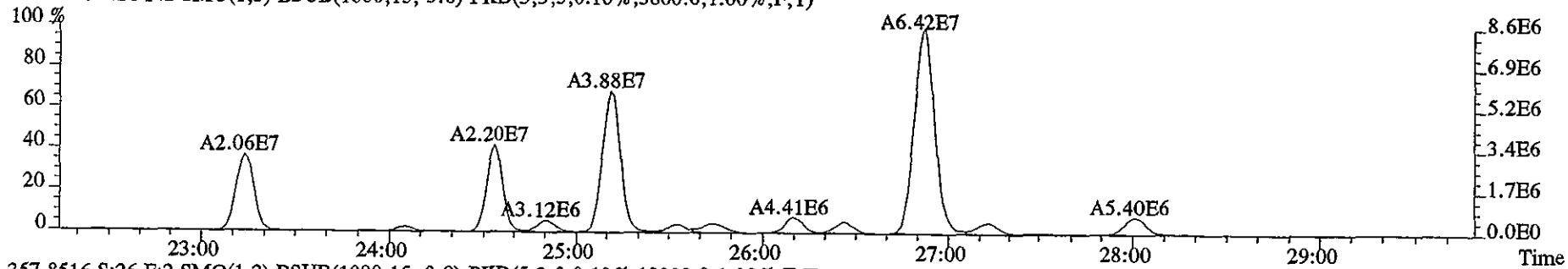
341.8567 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14688.0,1.00%,F,T)

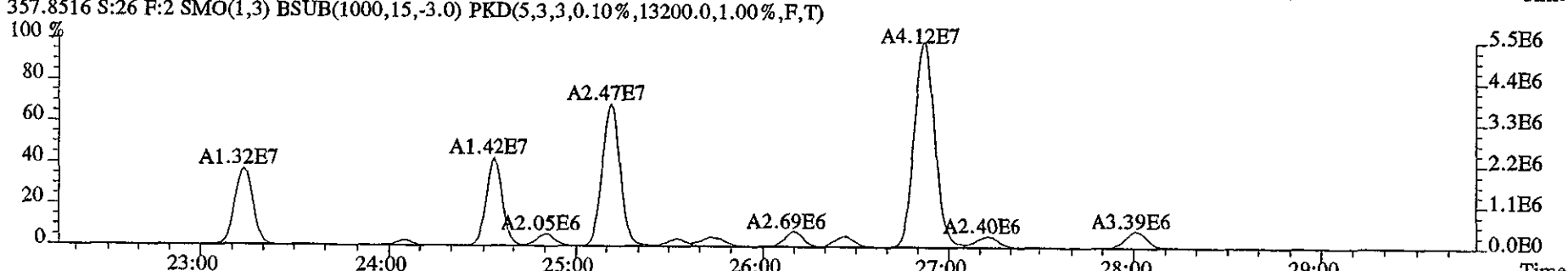


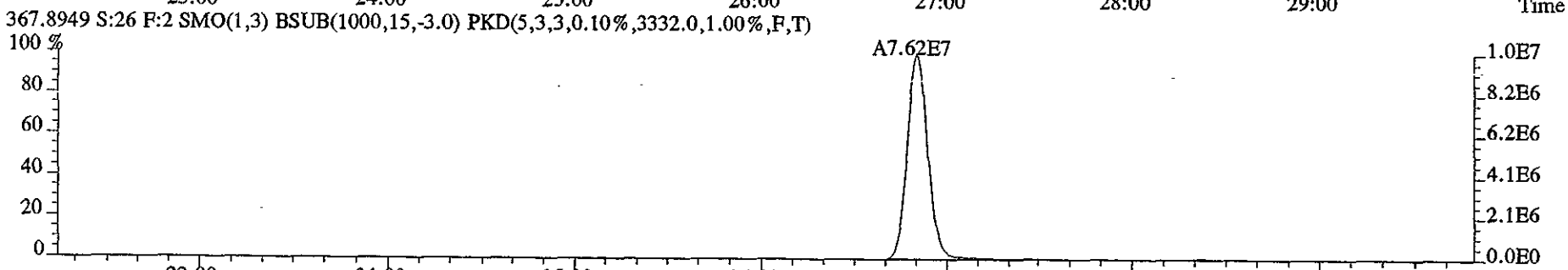
354.9792 S:26 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

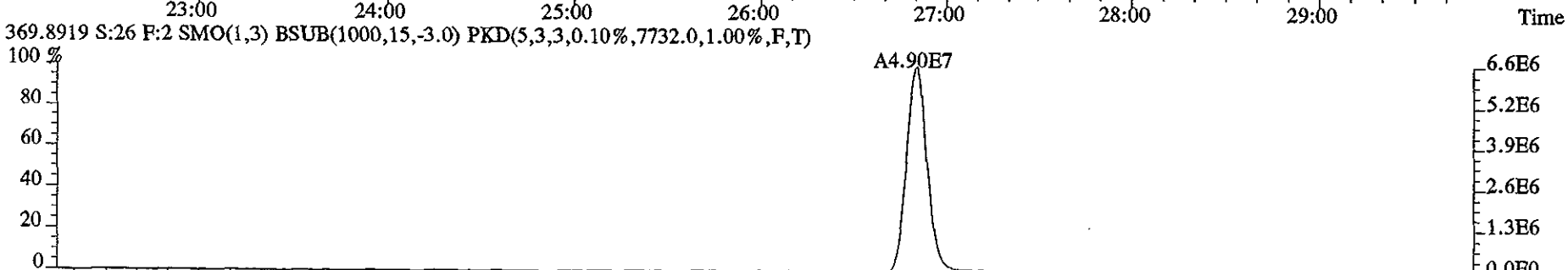


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

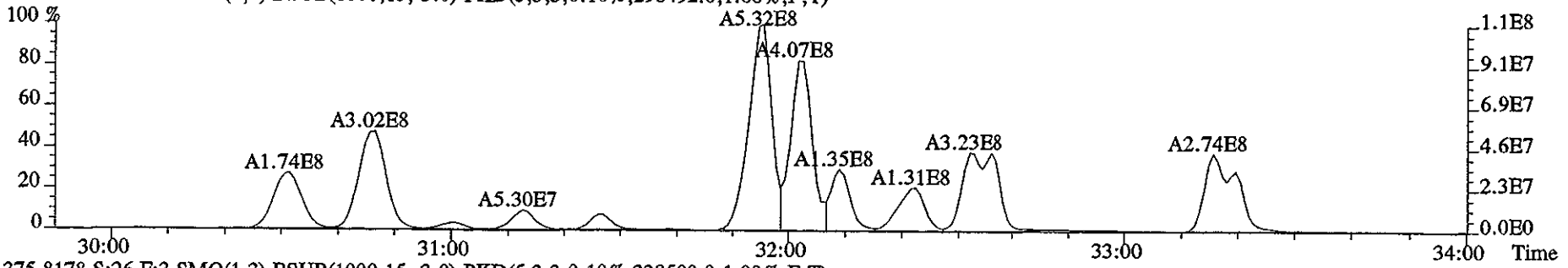


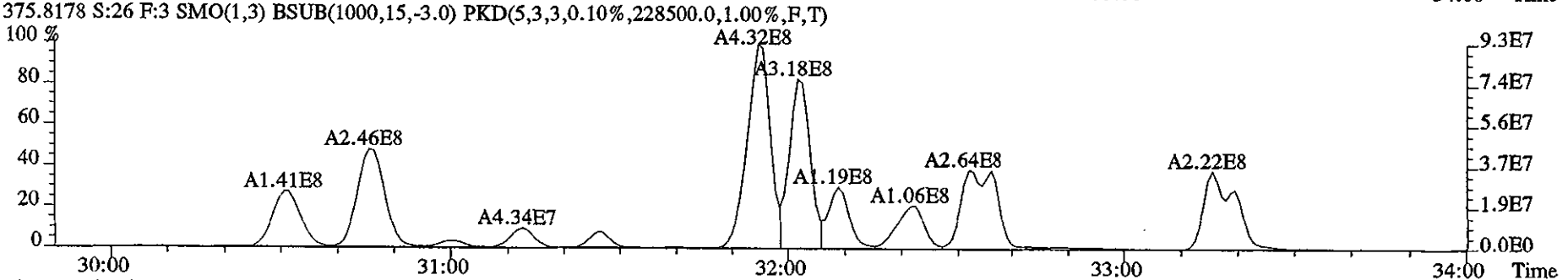


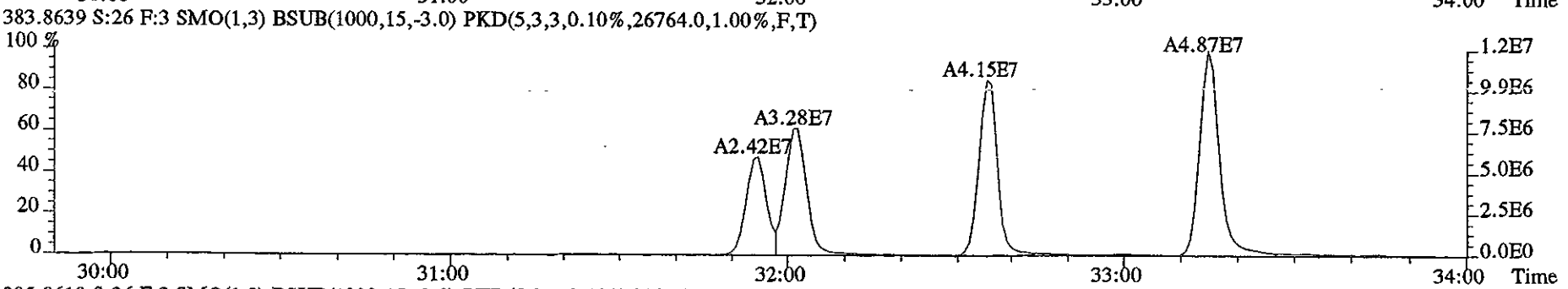


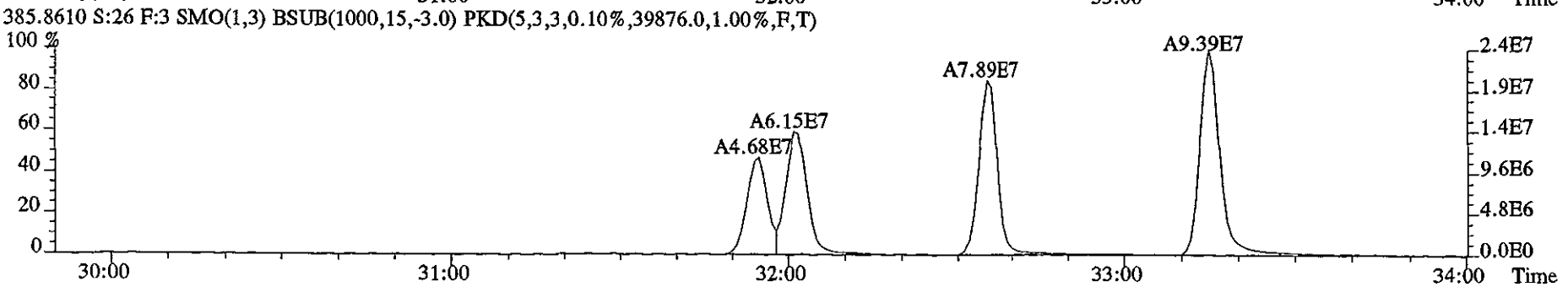


File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A



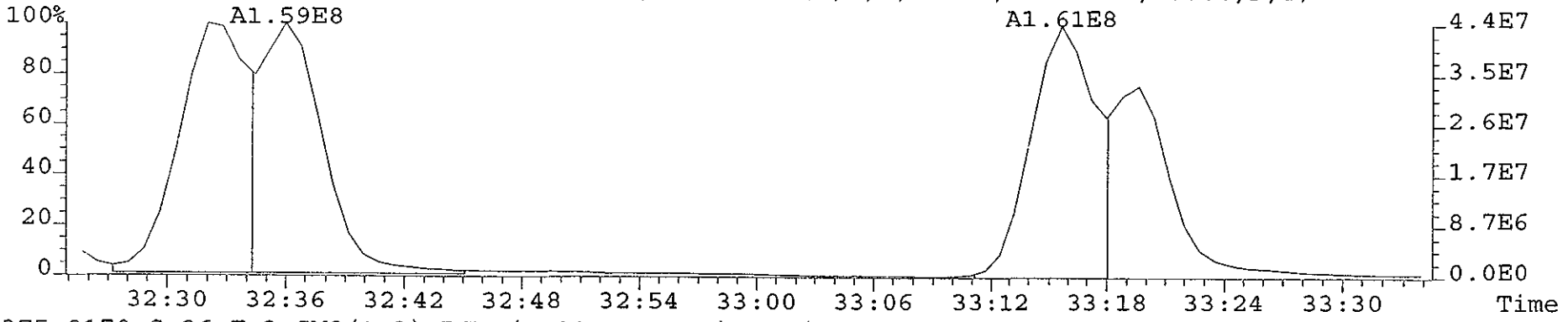




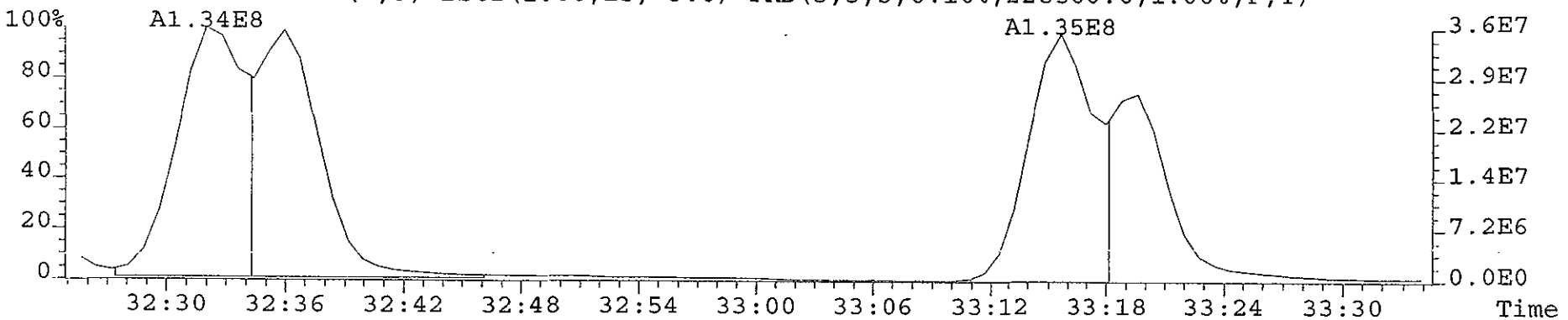


File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55 Exp:DIOXINRES8290A

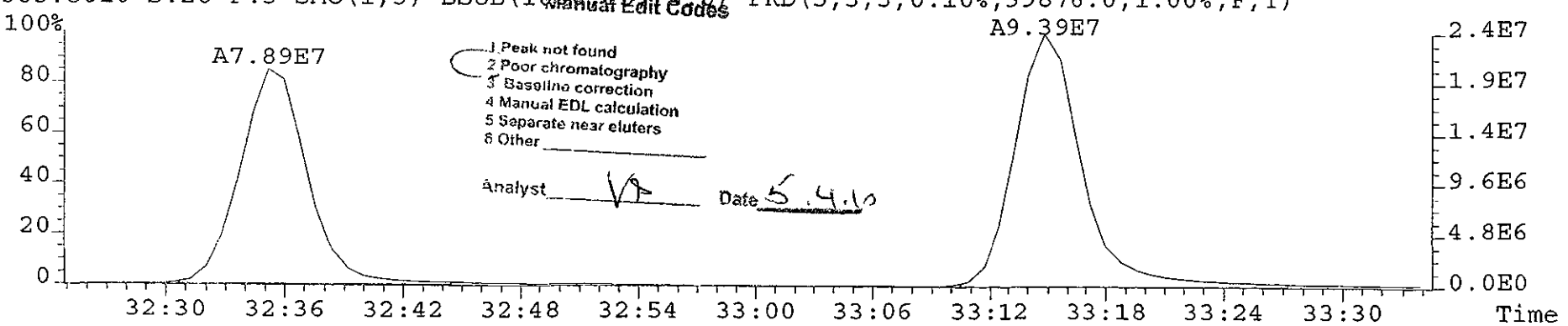
373.8208 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,290492.0,1.00%,F,T)



375.8178 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,228500.0,1.00%,F,T)



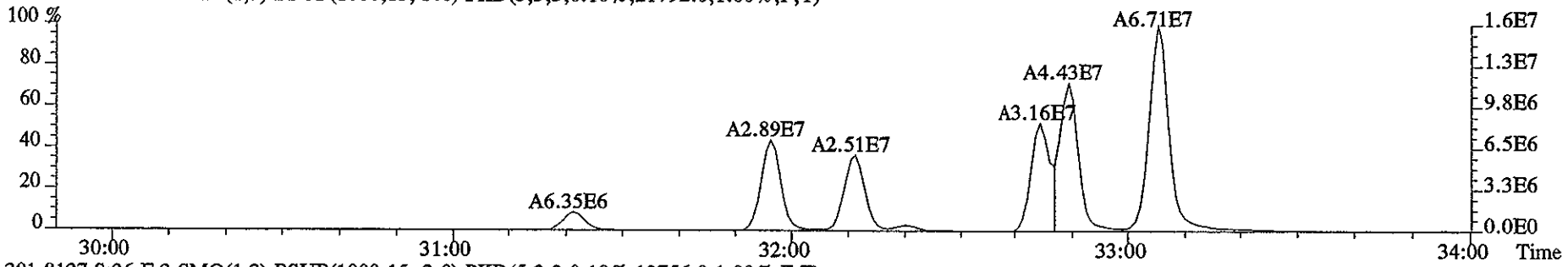
385.8610 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39876.0,1.00%,F,T)

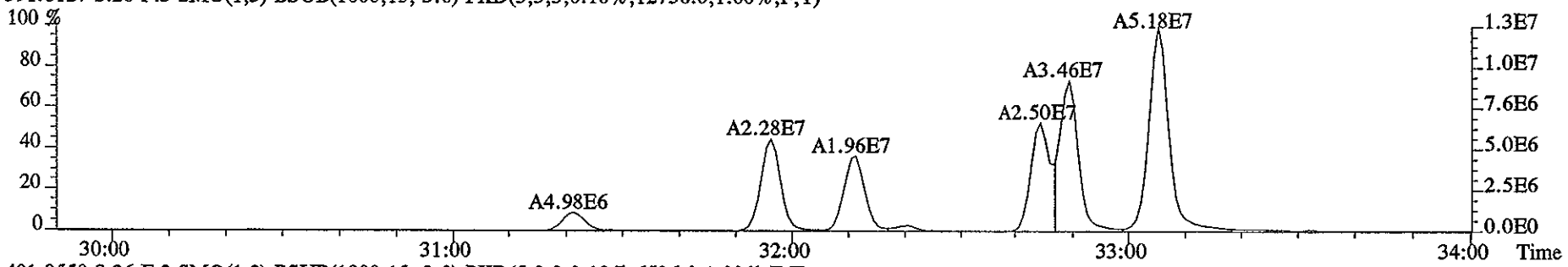


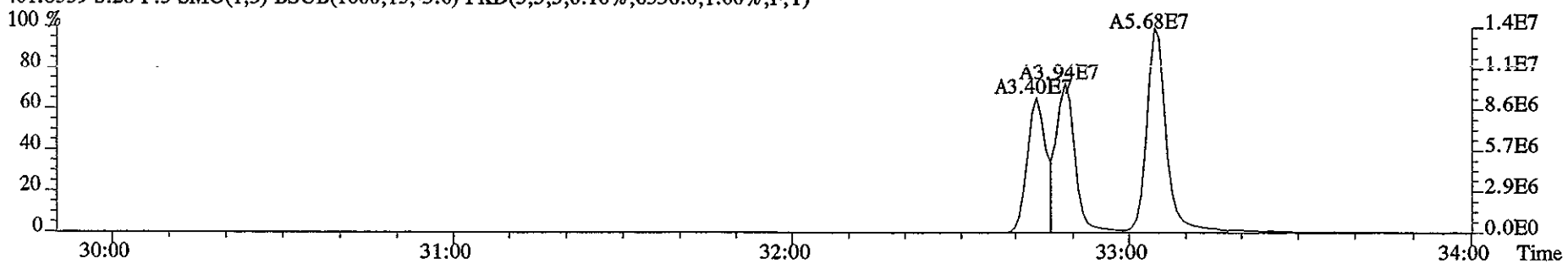
Manual Edit Codes
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other

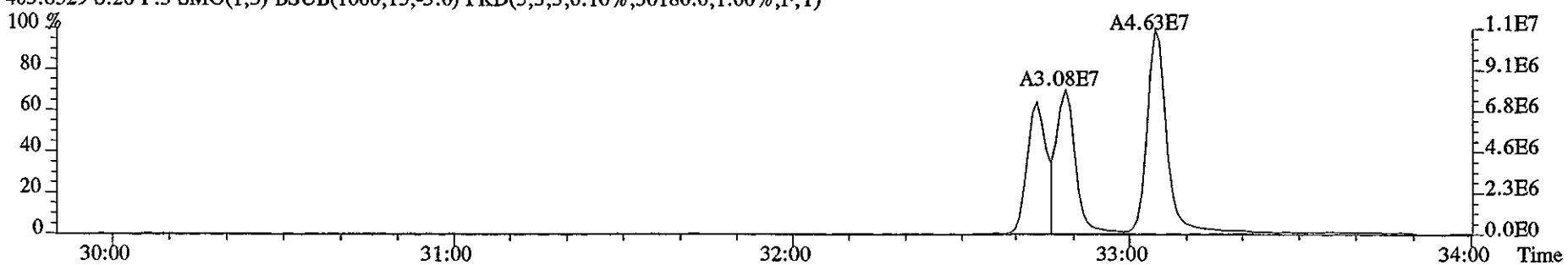
Analyst VP Date 5.4.10

File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A



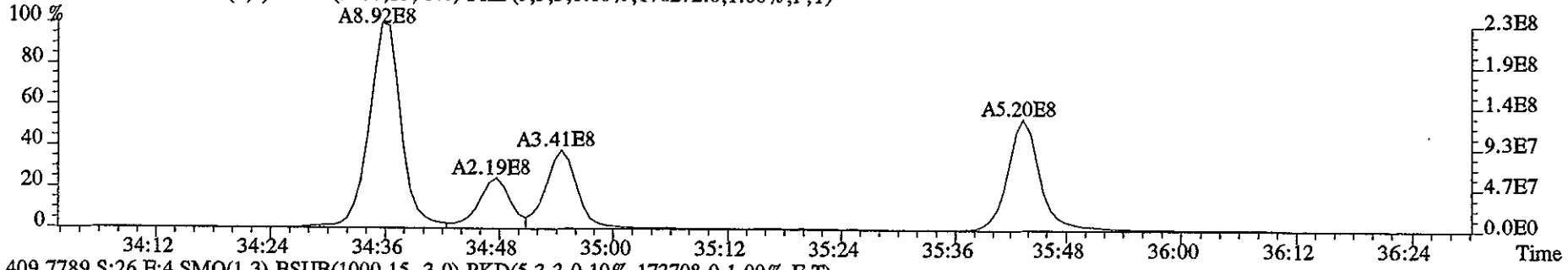




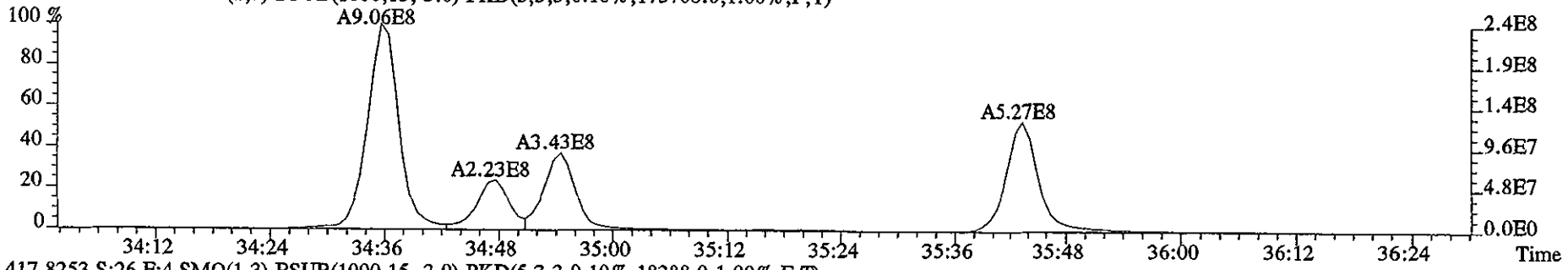


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

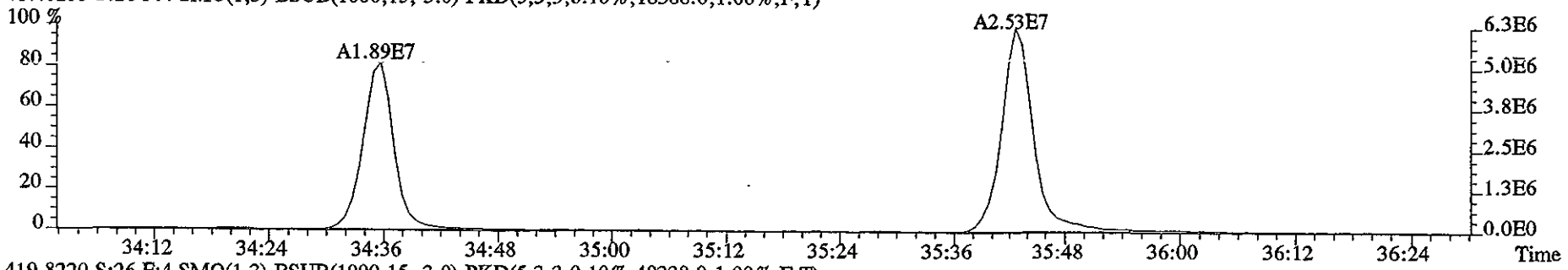
407.7818 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176272.0,1.00%,F,T)



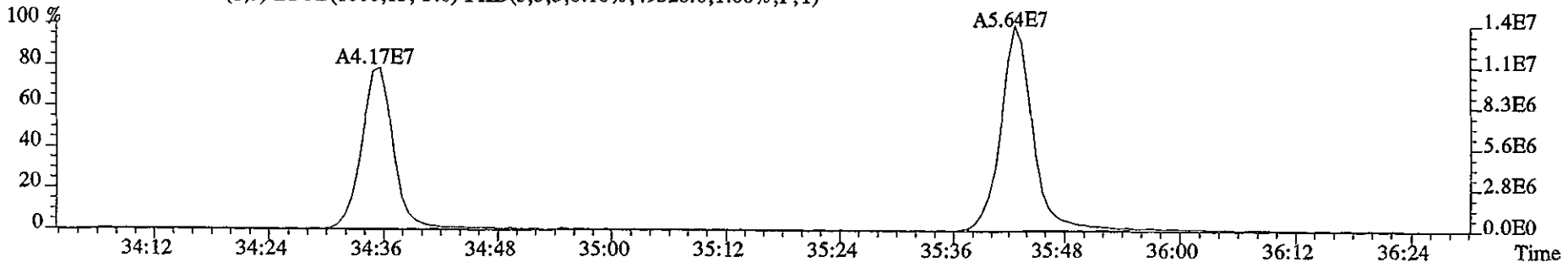
409.7789 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,173708.0,1.00%,F,T)



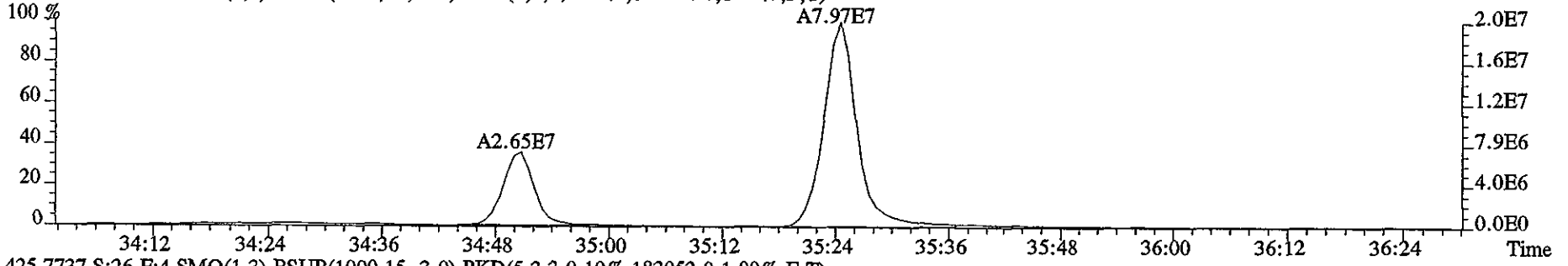
417.8253 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18388.0,1.00%,F,T)

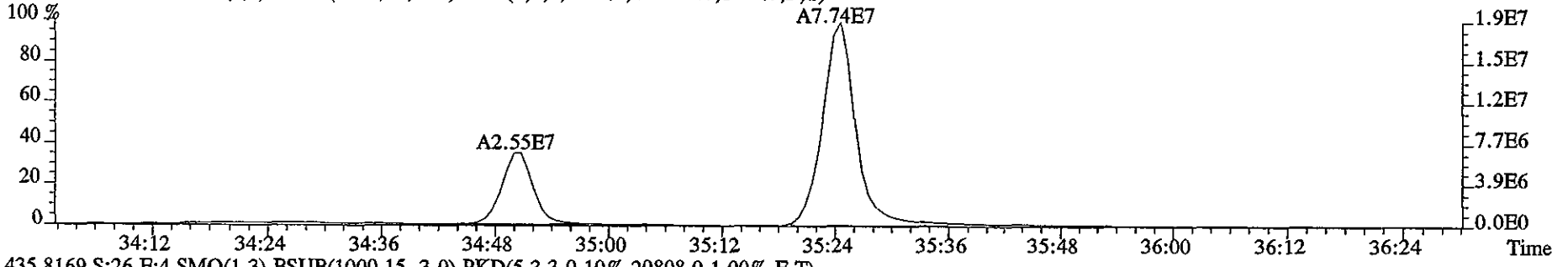


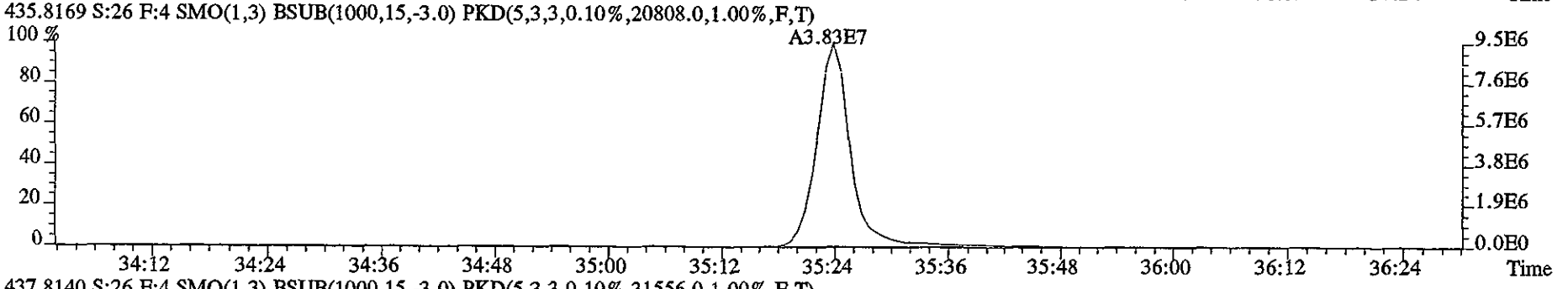
419.8220 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49328.0,1.00%,F,T)

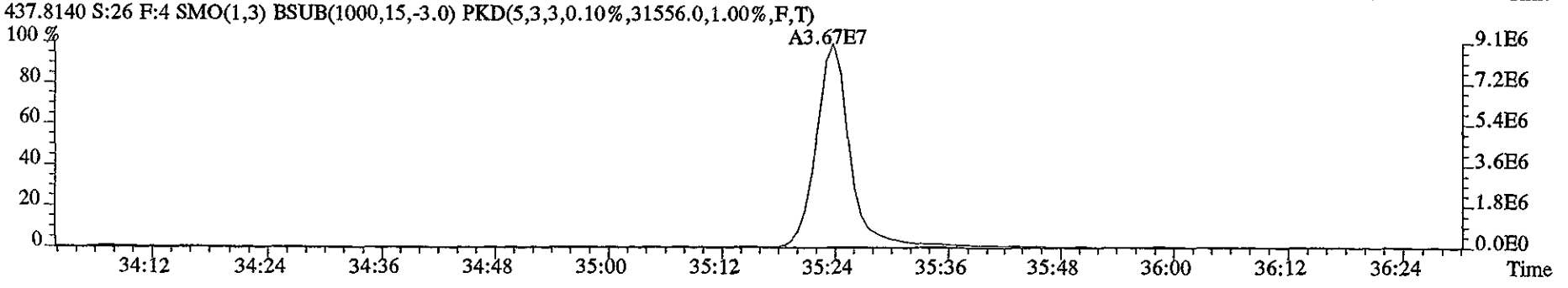


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

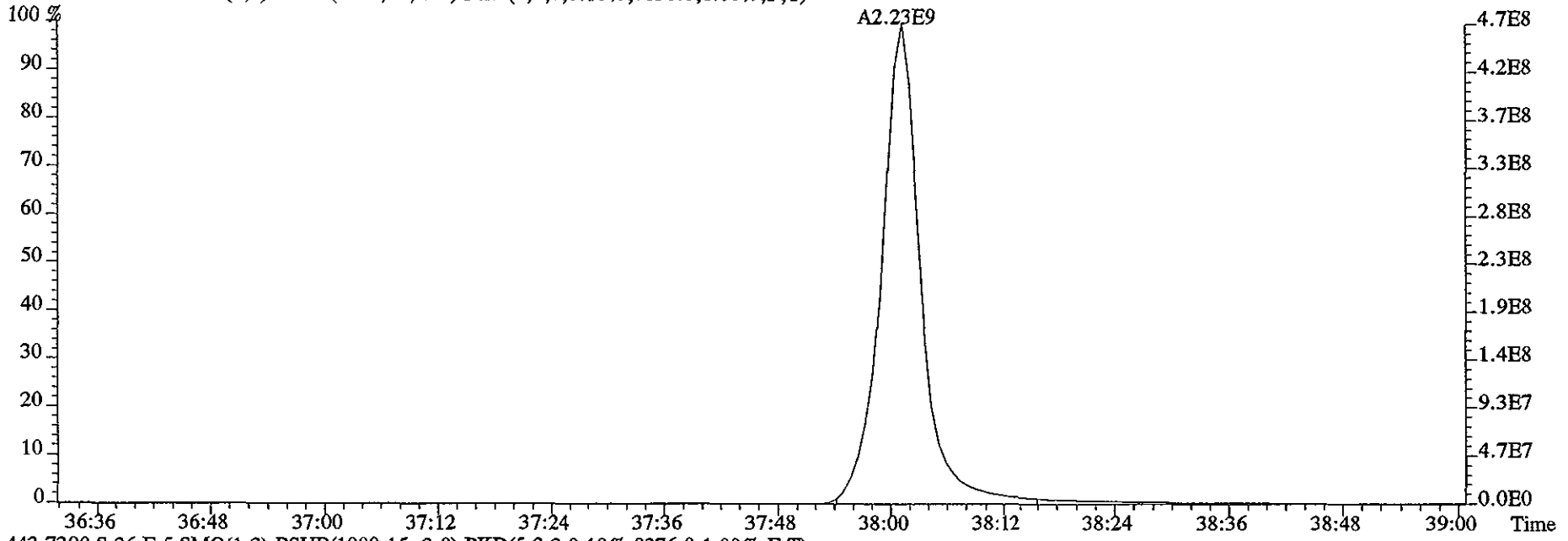




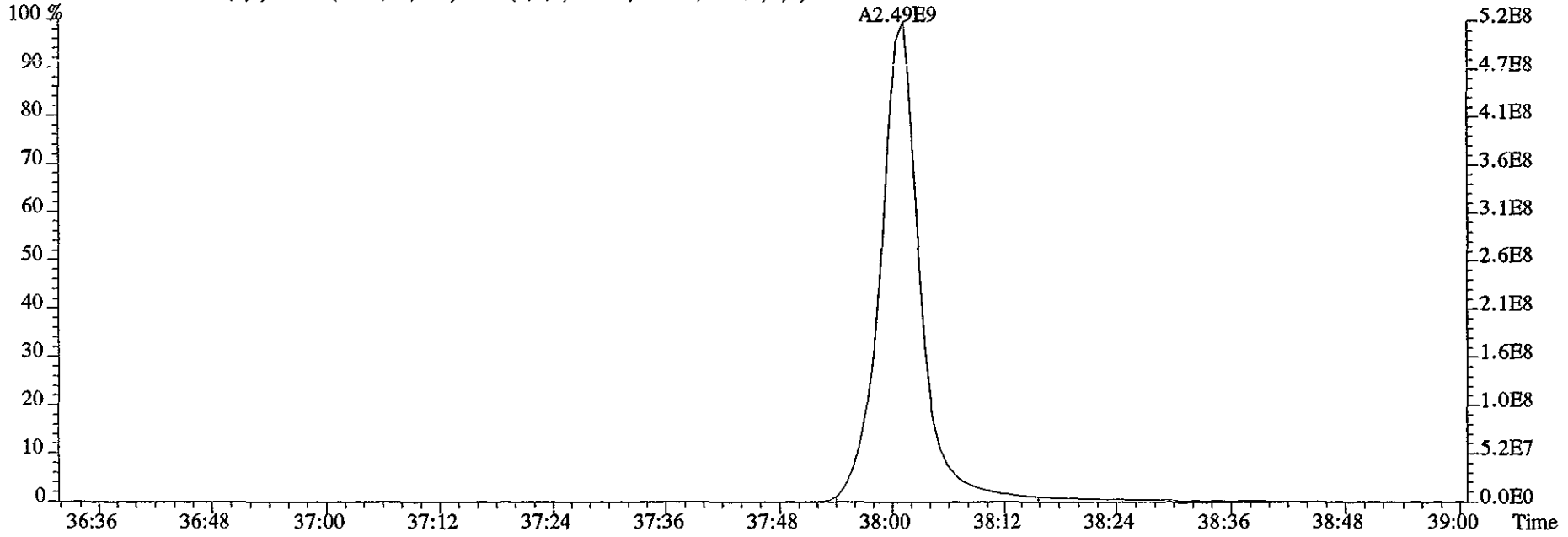




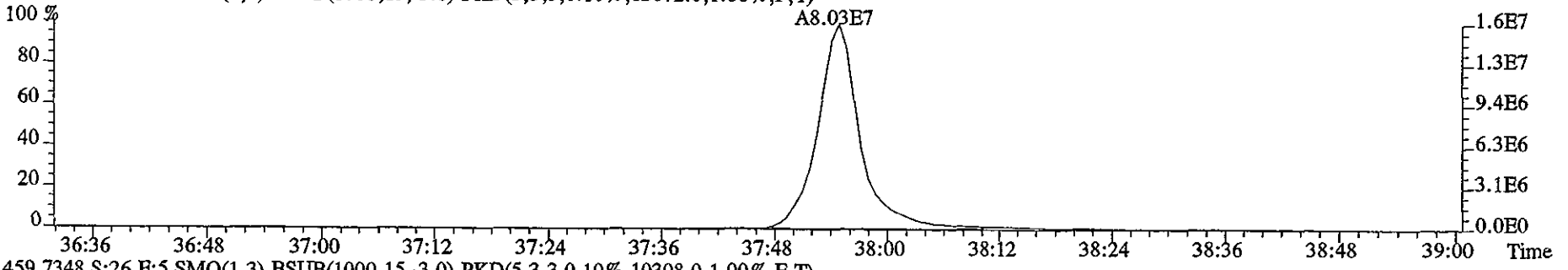
File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A
441.7428 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7836.0,1.00%,F,T)



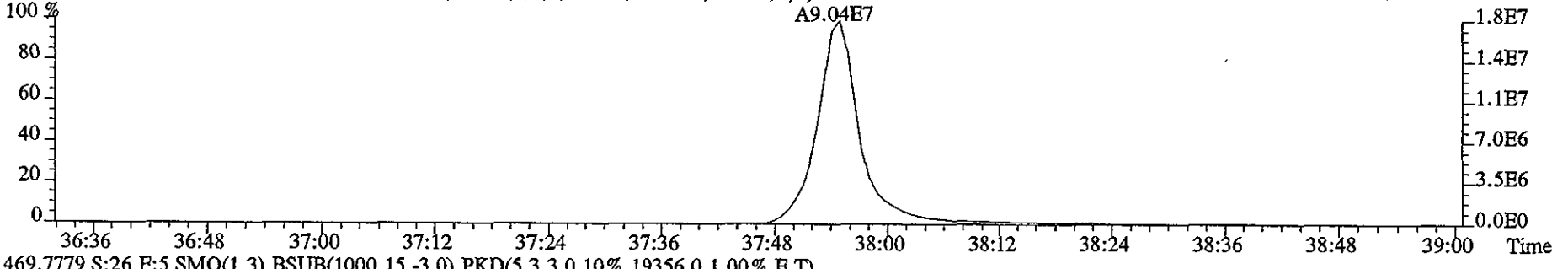
443.7399 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8276.0,1.00%,F,T)



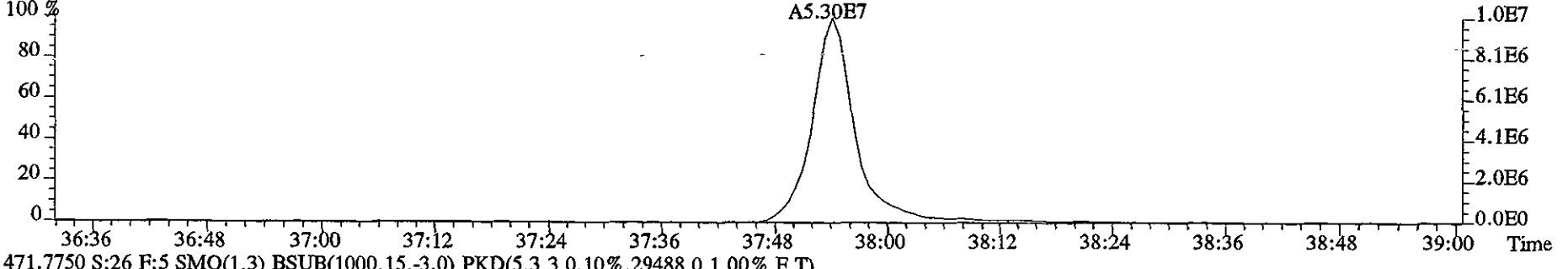
File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A
457.7377 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13072.0,1.00%,F,T)



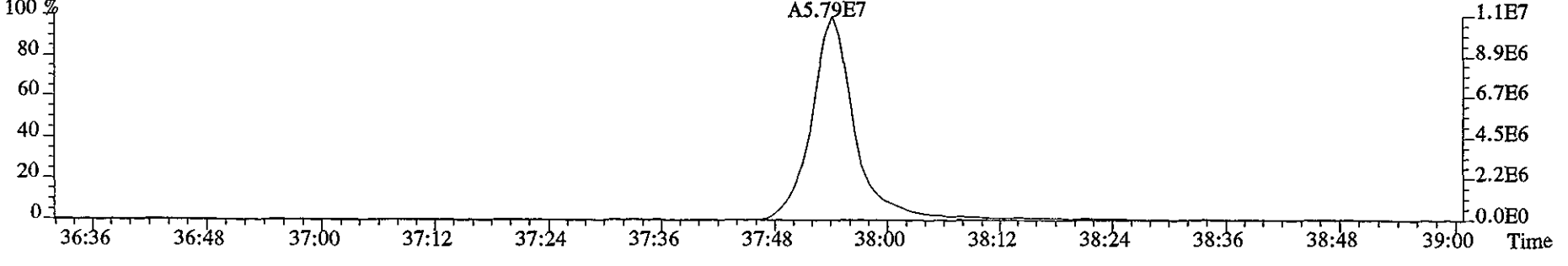
459.7348 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10308.0,1.00%,F,T)



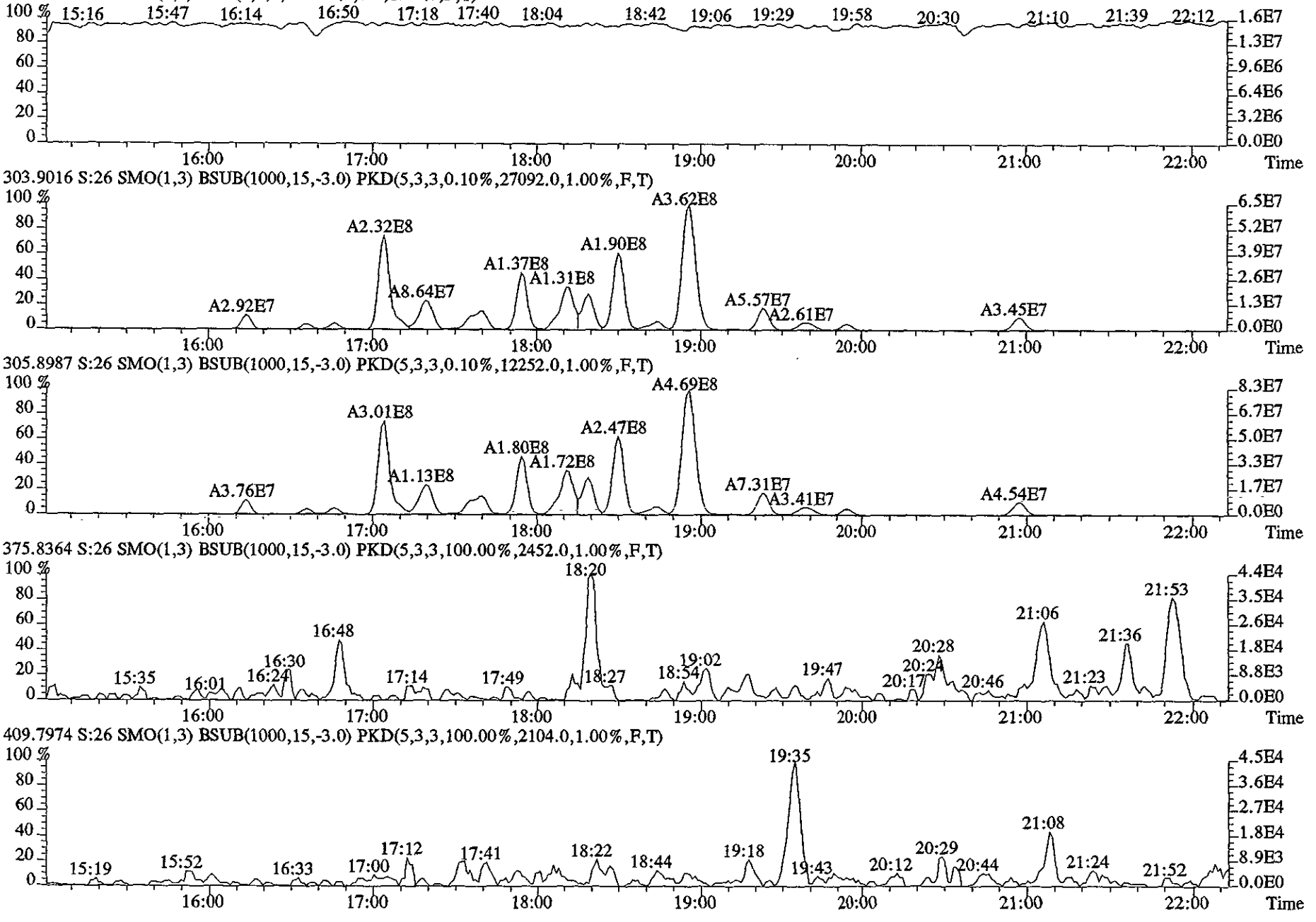
469.7779 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19356.0,1.00%,F,T)



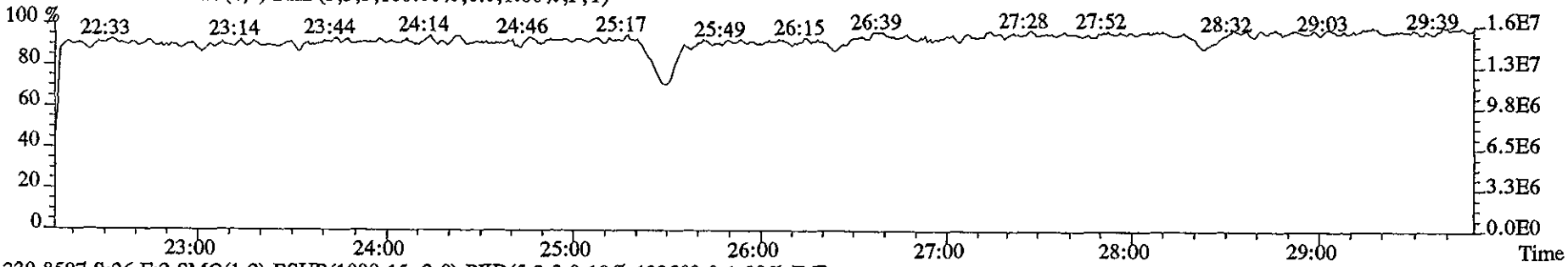
471.7750 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29488.0,1.00%,F,T)



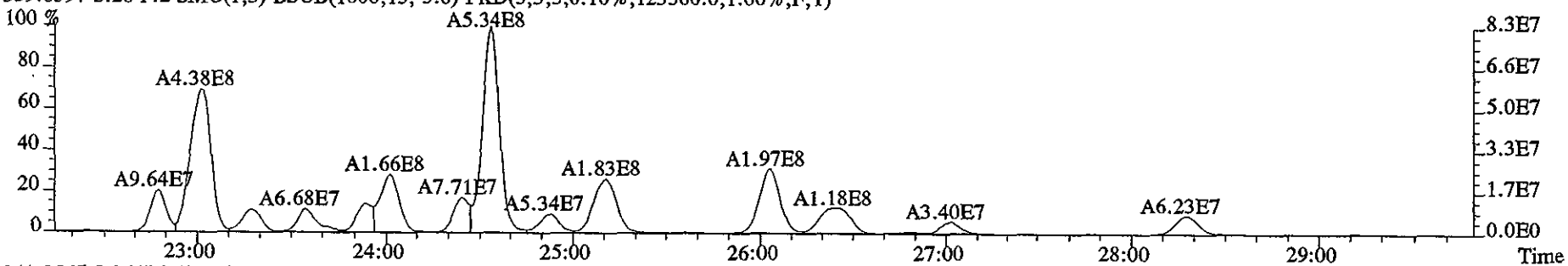
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A



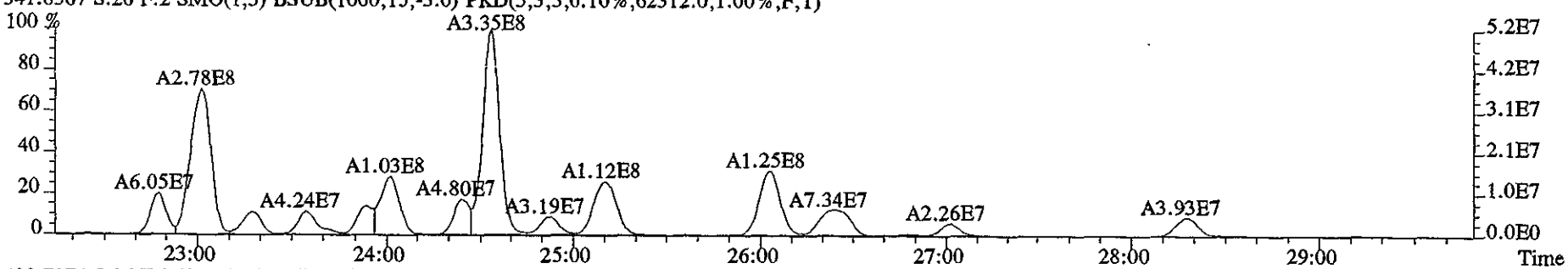
File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A
354.9792 S:26 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



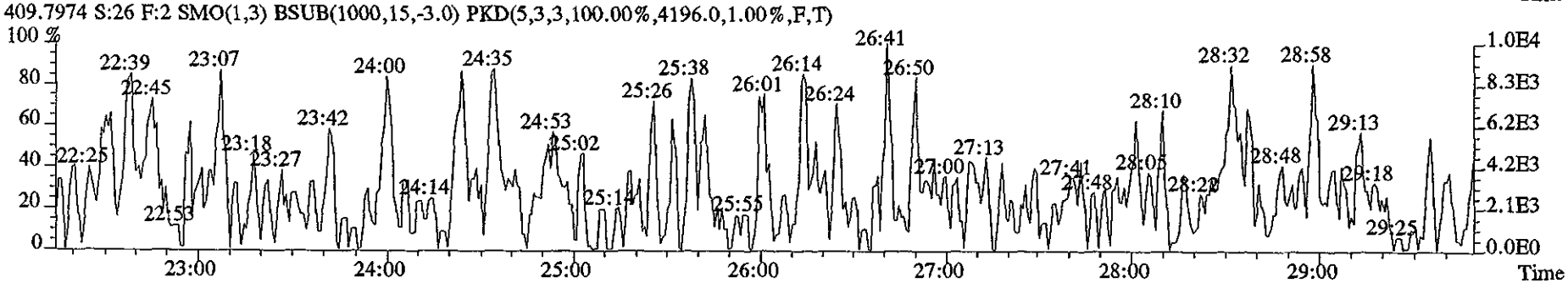
339.8597 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,123500.0,1.00%,F,T)



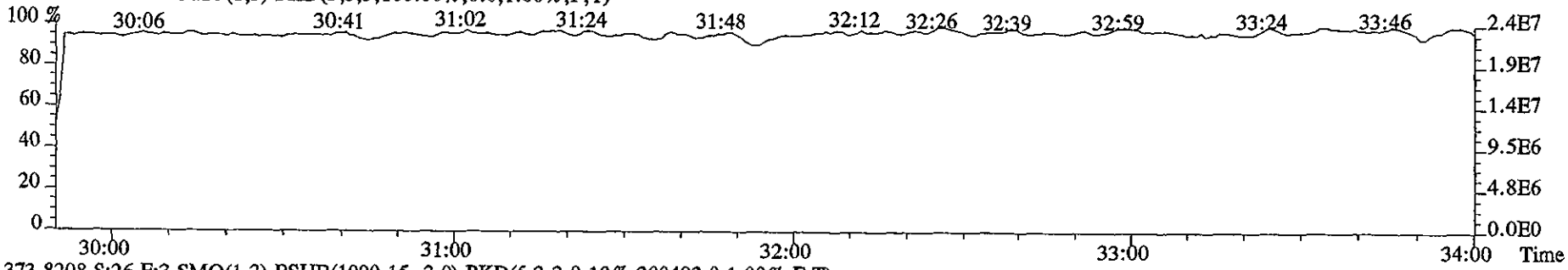
341.8567 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62312.0,1.00%,F,T)



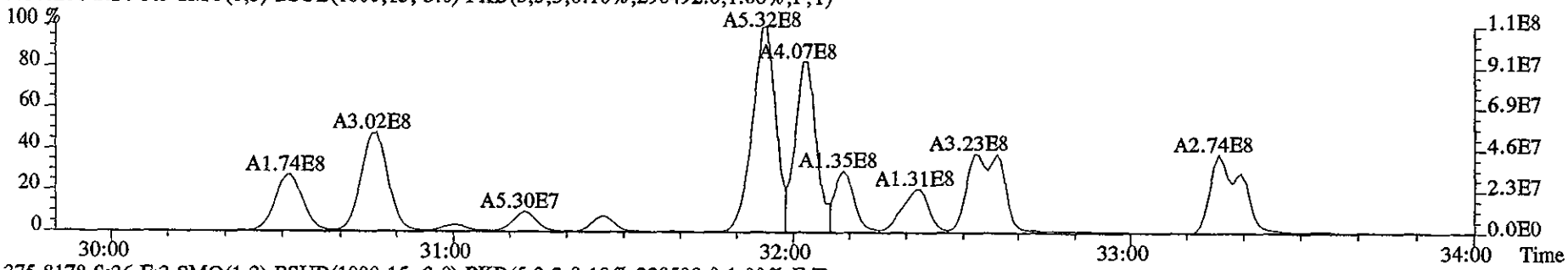
409.7974 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4196.0,1.00%,F,T)



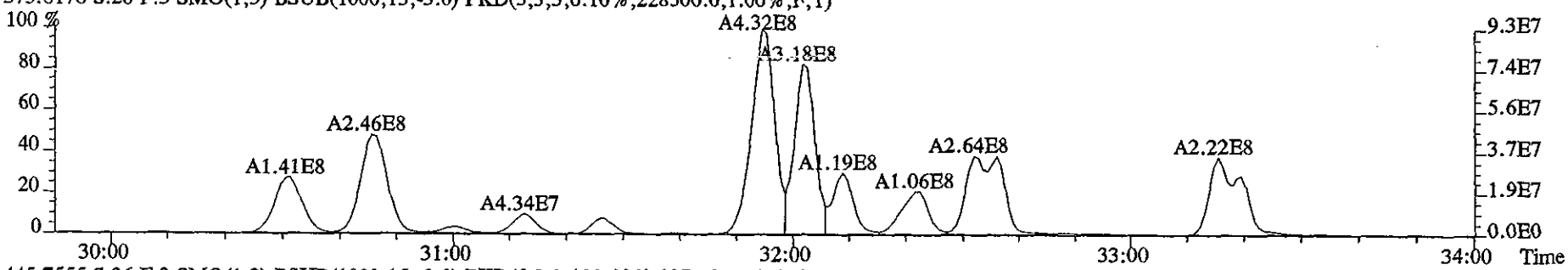
File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A
430.9728 S:26 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



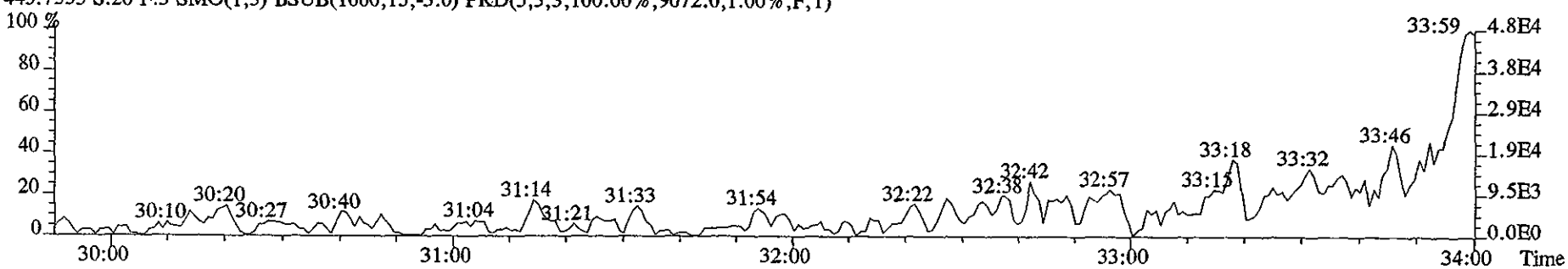
373.8208 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,290492.0,1.00%,F,T)



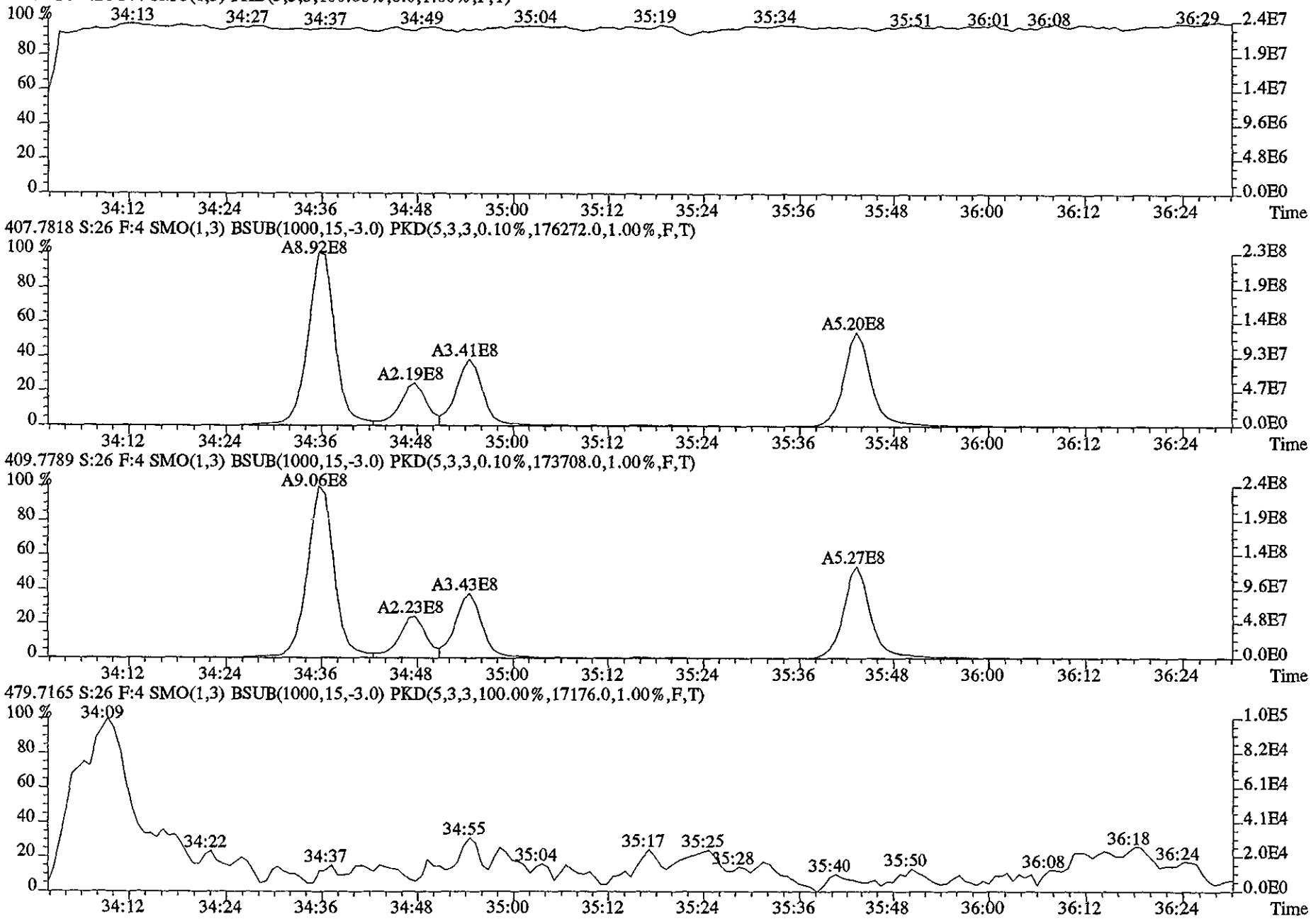
375.8178 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,228500.0,1.00%,F,T)



445.7555 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,9072.0,1.00%,F,T)

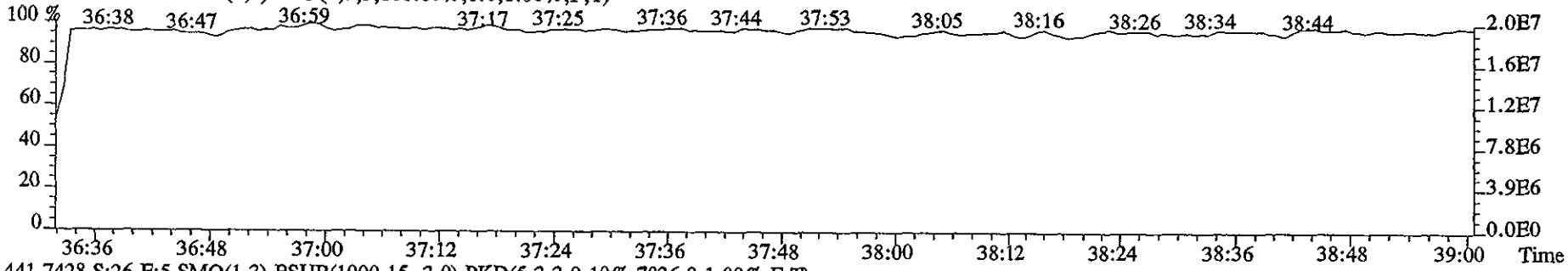


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

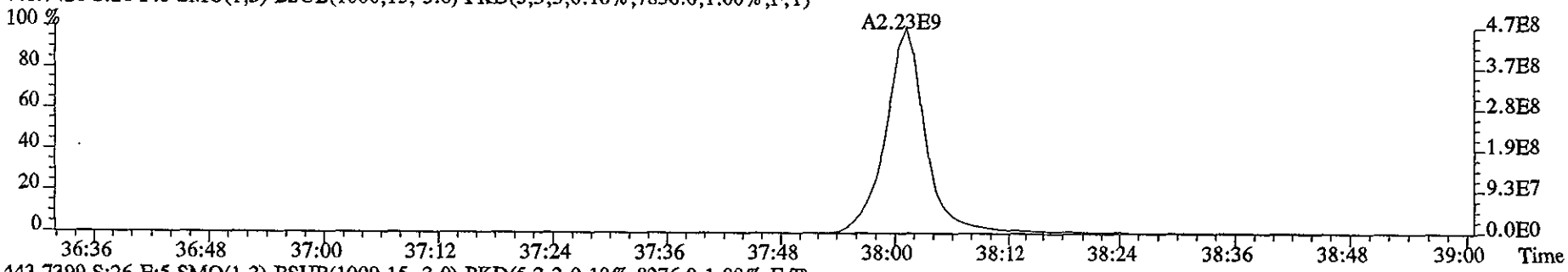


File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 05:36:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:LX8NW-1-AF :G0D200500-55MSD Exp:DIOXINRES8290A

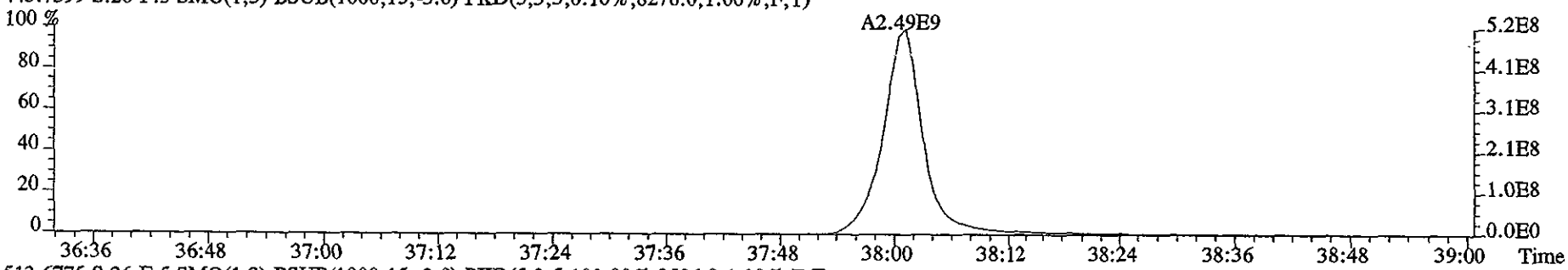
442.9728 S:26 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



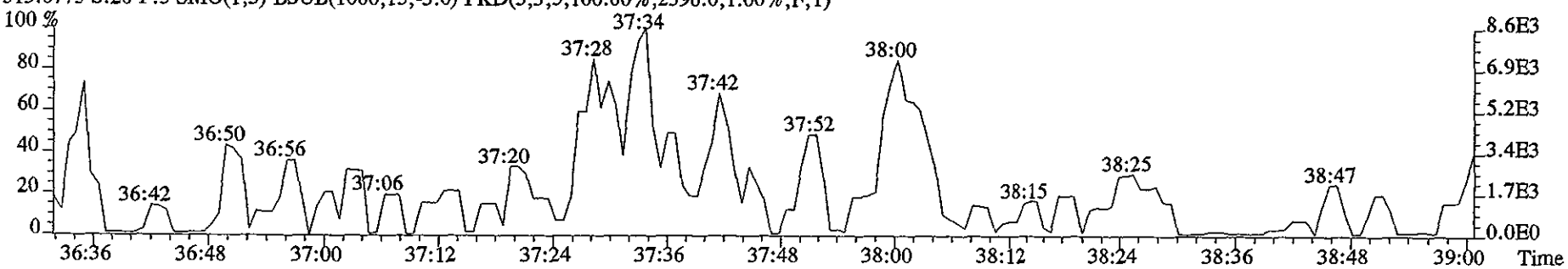
441.7428 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7836.0,1.00%,F,T)



443.7399 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8276.0,1.00%,F,T)



513.6775 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2596.0,1.00%,F,T)

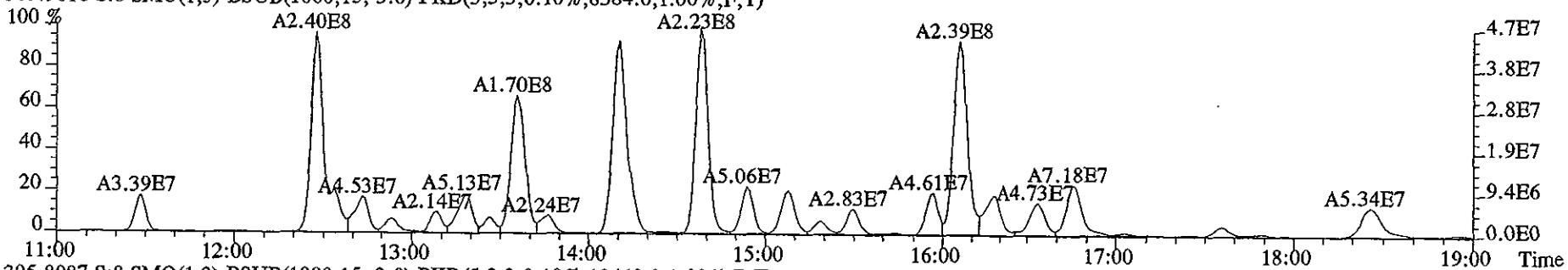


Run text: LX8NW-1-AF Sample text: LX8NW-1-AF :G0D200500-55D
Run #12 Filename: 04MY10A5D2 S: 8 I: 1 Results: 04MY10A5D2DB225
Acquired: 5-MAY-10 03:29:38 Processed: 5-MAY-10 08:08:43
Run: 04MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.6700¶g

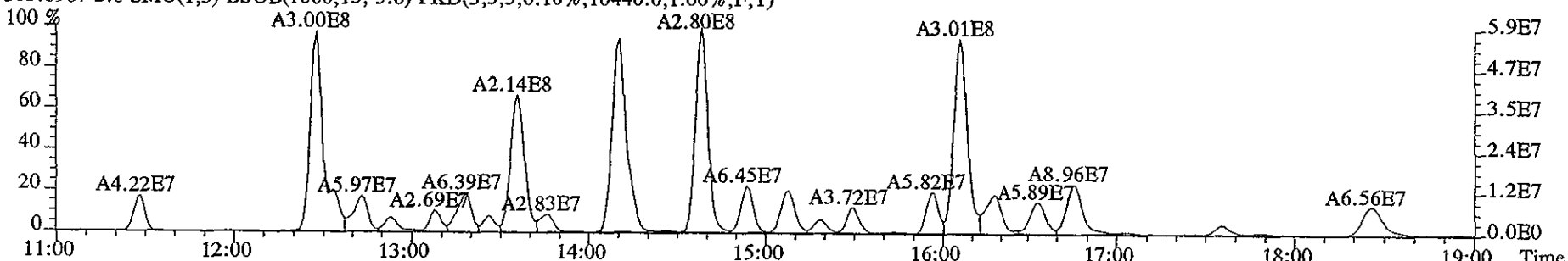
Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	78677500	0.79 y	14:55	-	7.41		-	-	n
13C-2,3,7,8-TCDF	217926700	0.81 y	16:05	2.11	123.25		0.29	65.8	n
2,3,7,8-TCDF	540005000	0.80 y	16:06	1.09	426.72	Cem	0.24	-	n
13C-2,3,7,8-TCDD	93894400	0.78 y	14:43	0.95	117.92		0.36	62.9	n
2,3,7,8-TCDD	34010600	0.84 y	14:44	1.36	50.02		0.21	-	n
37Cl-2,3,7,8-TCDD	94166000	1.00 y	14:44	2.28	49.24		0.15	65.7	n

5/5/10
MS

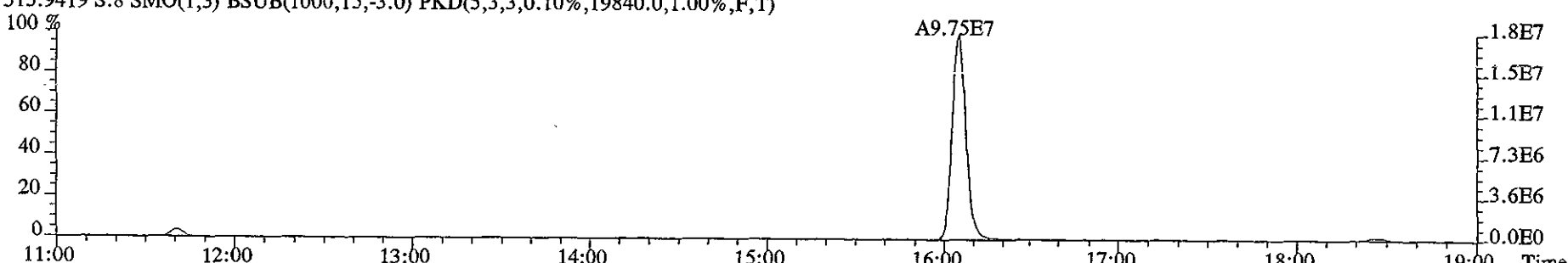
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 03:29:38 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX8NW-1-AF :G0D200500-55D Exp:DB225RES
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8384.0,1.00%,F,T)



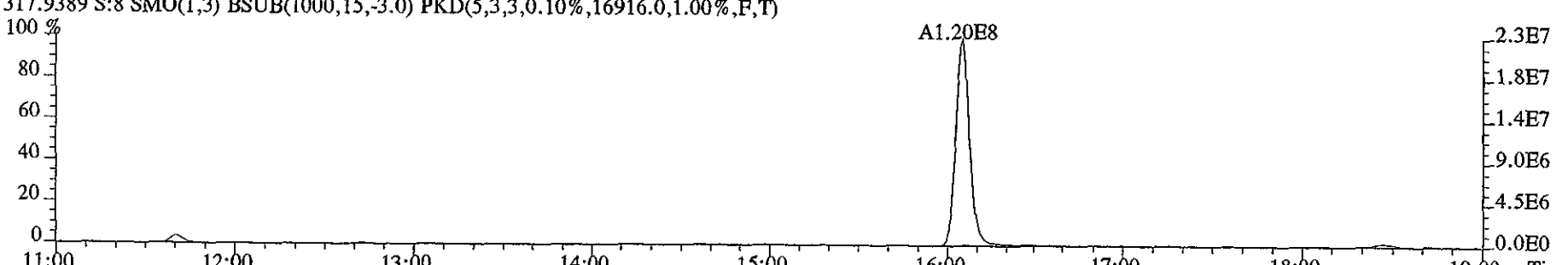
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10440.0,1.00%,F,T)



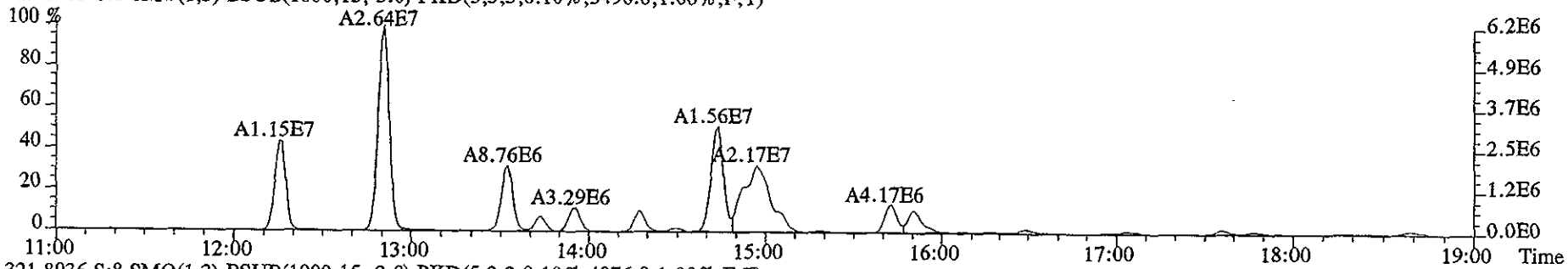
315.9419 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19840.0,1.00%,F,T)



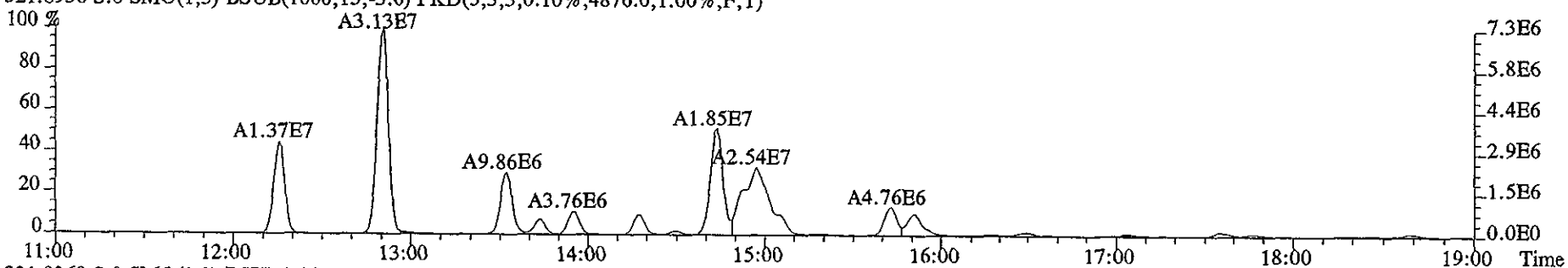
317.9389 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16916.0,1.00%,F,T)



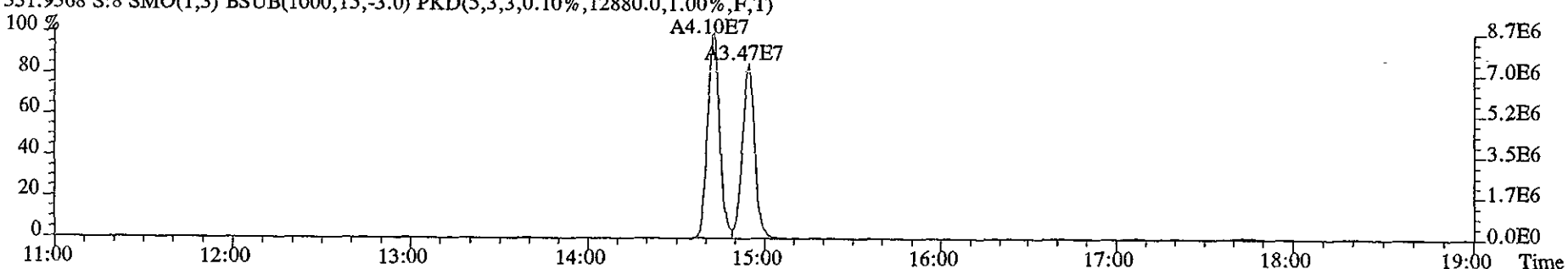
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 03:29:38 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX8NW-1-AF :G0D200500-55D Exp:DB225RES
319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5496.0,1.00%,F,T)



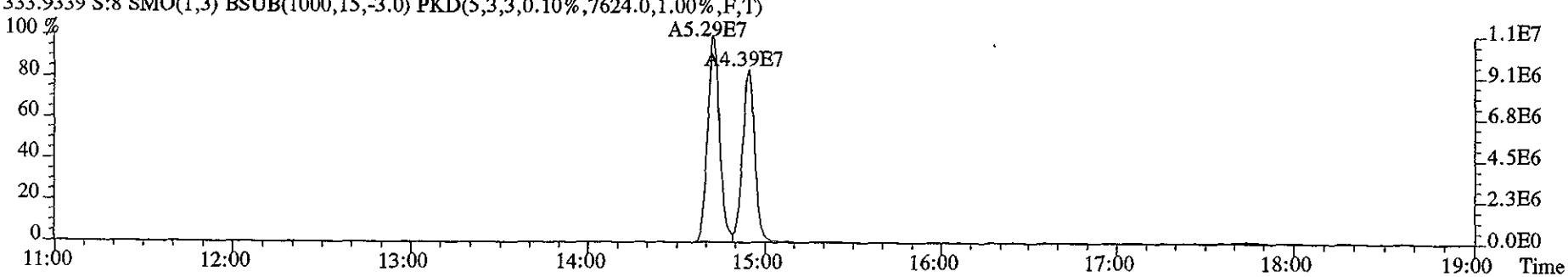
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4876.0,1.00%,F,T)



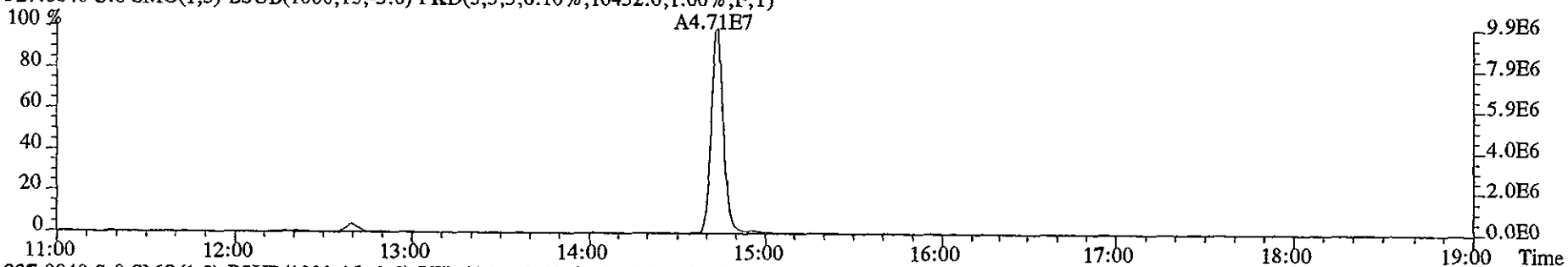
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12880.0,1.00%,F,T)



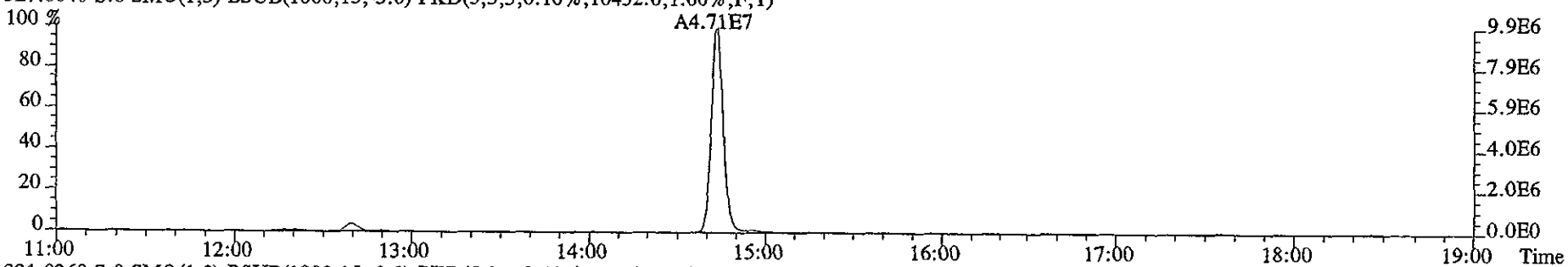
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7624.0,1.00%,F,T)



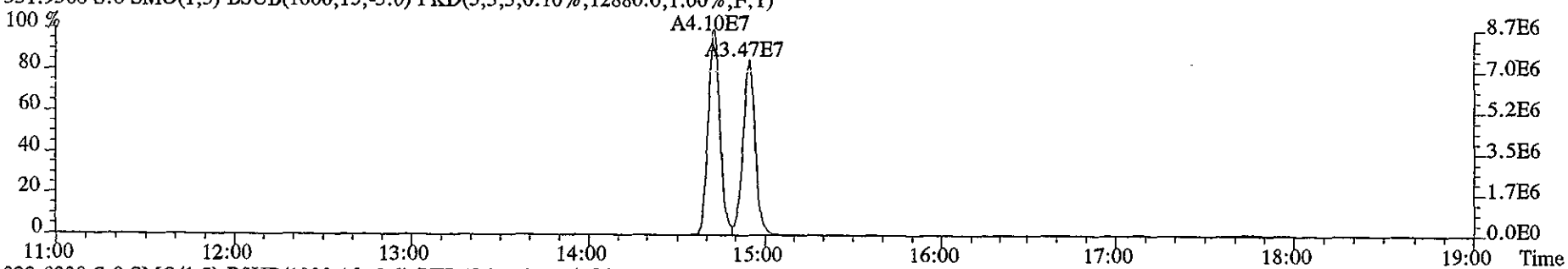
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 03:29:38 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX8NW-1-AF :G0D200500-55D Exp:DB225RES
327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10432.0,1.00%,F,T)



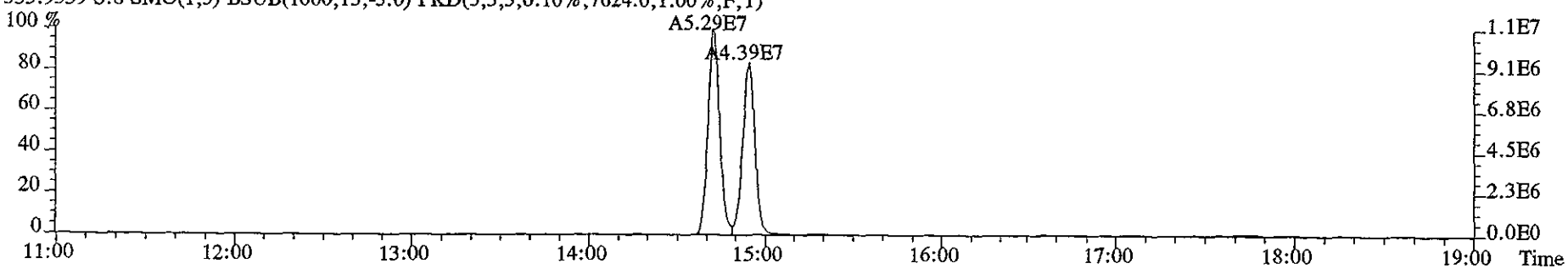
327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10432.0,1.00%,F,T)



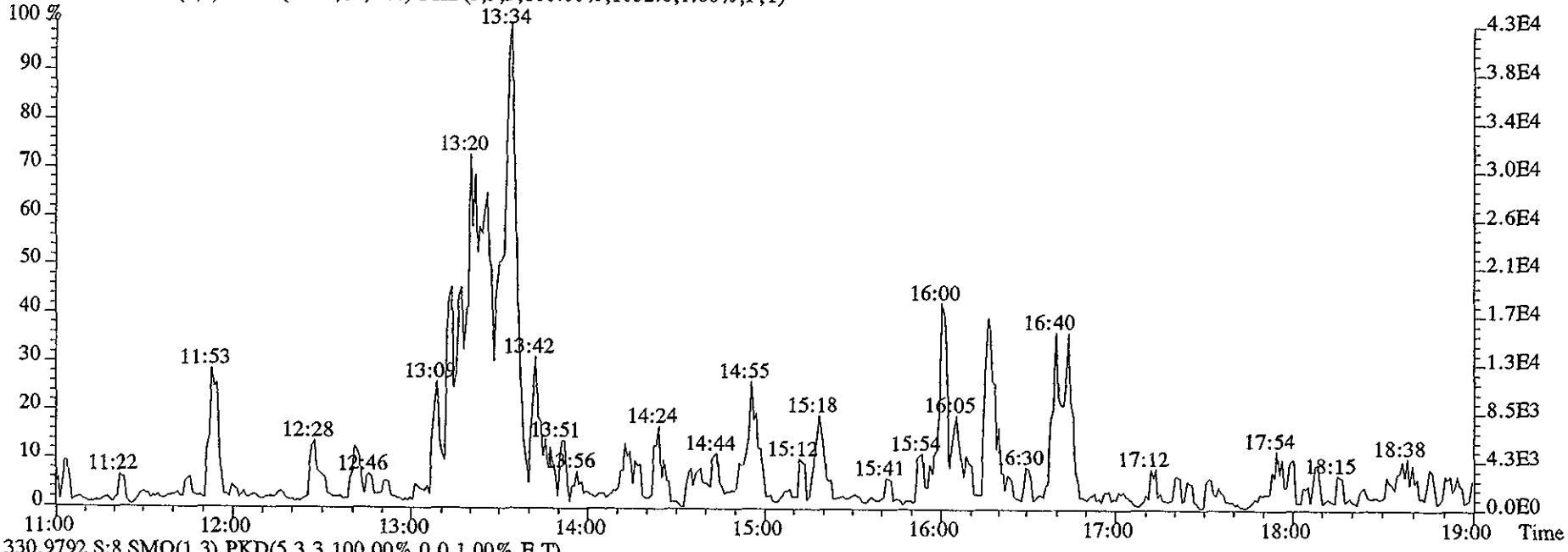
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12880.0,1.00%,F,T)



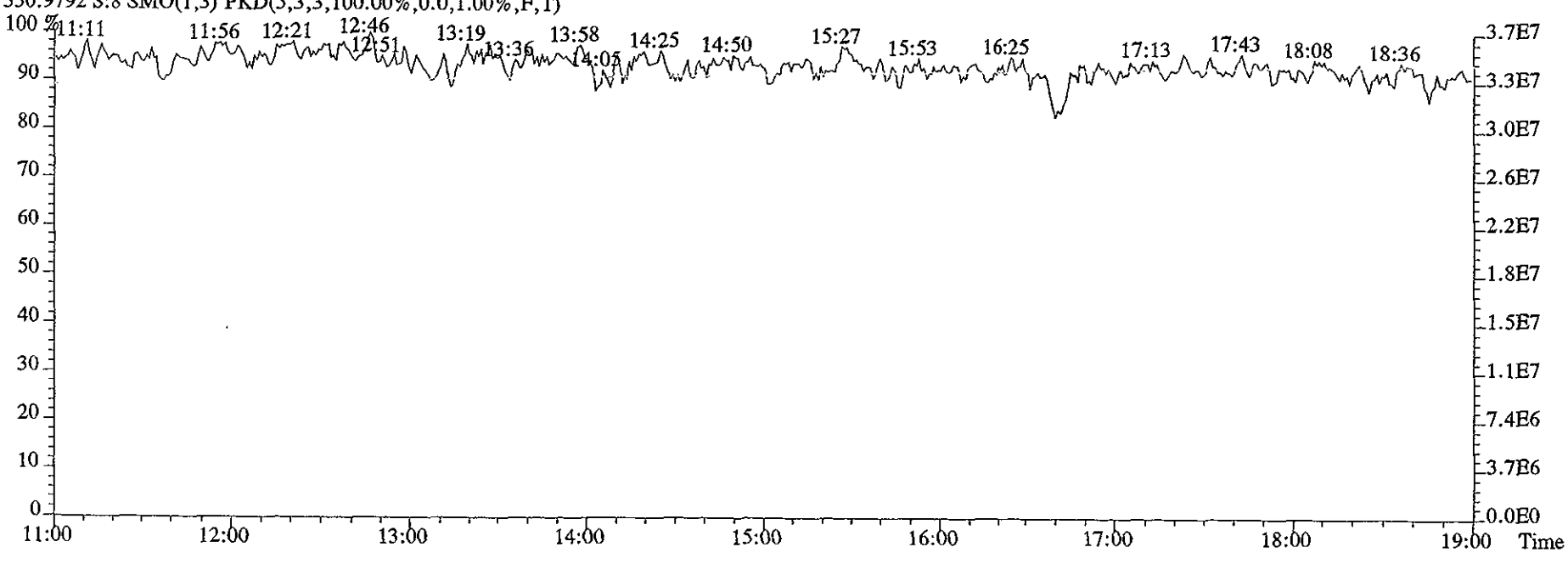
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7624.0,1.00%,F,T)



File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 03:29:38 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX8NW-1-AF :G0D200500-55D Exp:DB225RES
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1052.0,1.00%,F,T)



330.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290

Associated ICAL 8290A0412104D5

Column ID DB5

Instrument ID 4D5

STD ID ST0503A, ST0503B

STD Solution 10DXNLM 083 5/4/10 MEO

Analyzed by MEO

Date Analyzed 5/3/10, 5/4/10

Std. Pkg. By KSS

Date Std. Pkg. Assembled 5/4/10

Std. Pkg. Reviewed By MEO

Date Std. Pkg. Reviewed 5/4/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.

Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.

Method 23: See Method 23 Daily Standard Criteria, Table 5.

Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria.

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet

Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

N:\Hires\Forms\QA-231 Dioxin Daily Std Checklist.doc QA-231 8/10/09 DW

Run text: ST0503A File text: ST0503A :CS3 10DXN083
Run #20 Filename 03MY10A4D5 S: 17 I: 1
Acquired: 3-MAY-10 22:59:36 Processed: 4-MAY-10 09:52:58
Run: 03MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 03MY10A4D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	88039000	0.80 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	131130600	0.80 y	18:55	1.49	100.00	-2.1	n
2,3,7,8-TCDF	12787770	0.79 y	18:56	0.98	10.00	3.2	n
Total TCDF	13083027	0.38 n	17:03	0.98	10.00	3.2	n
13C-2,3,7,8-TCDD	91053100	0.79 y	19:41	1.03	100.00	8.9	n
2,3,7,8-TCDD	8954770	0.76 y	19:43	0.98	10.00	-3.7	n
Total TCDD	8981665	0.76 y	19:43	0.98	10.00	-3.7	n
37Cl-2,3,7,8-TCDD	21205200	1.00 y	19:42	2.41	10.00	6.5	n
13C-1,2,3,7,8-PeCDF	92828700	1.61 y	24:34	1.05	100.00	0.4	n
1,2,3,7,8-PeCDF	49068700	1.61 y	24:35	1.06	50.00	1.2	n
2,3,4,7,8-PeCDF	46701000	1.63 y	26:04	1.01	50.00	2.4	n
Total F2 PeCDF	96459642	2.22 n	23:02	1.03	100.00	1.8	n
Total F1 PeCDF	11598	0.28 n	16:41	1.03	100.00	1.8	n
13C-1,2,3,7,8-PeCDD	66160200	1.56 y	26:51	0.75	100.00	12.1	n
1,2,3,7,8-PeCDD	31586800	1.57 y	26:54	0.95	50.00	-2.8	n
Total PeCDD	31625593	4.60 n	26:22	0.95	50.00	-2.8	n
13C-1,2,3,7,8,9-HxCDD	68569300	1.29 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	67949800	0.53 y	31:55	0.99	100.00	-3.3	n
1,2,3,4,7,8-HxCDF	44273300	1.21 y	31:55	1.30	50.00	7.5	n
1,2,3,6,7,8-HxCDF	47412400	1.27 y	32:02	1.40	50.00	3.9	n
2,3,4,6,7,8-HxCDF	45727400	1.24 y	32:37	1.35	50.00	10.1	n
1,2,3,7,8,9-HxCDF	40663400	1.25 y	33:16	1.20	50.00	9.6	n
Total HxCDF	178167678	0.96 n	30:47	1.31	200.00	7.6	n
13C-1,2,3,6,7,8-HxCDD	60226800	1.12 y	32:49	0.88	100.00	8.8	n
1,2,3,4,7,8-HxCDD	29291100	1.29 y	32:45	0.97	50.00	-3.4	n
1,2,3,6,7,8-HxCDD	36171100	1.34 y	32:50	1.20	50.00	7.8	n
1,2,3,7,8,9-HxCDD	35509100	1.29 y	33:06	1.18	50.00	-2.5	n
Total HxCDD	100971300	1.29 y	32:45	1.12	150.00	0.7	n
13C-1,2,3,4,6,7,8-HpCDF	60190000	0.44 y	34:36	0.88	100.00	1.8	n
1,2,3,4,6,7,8-HpCDF	41134400	0.98 y	34:36	1.37	50.00	4.4	n
1,2,3,4,7,8,9-HpCDF	34588600	0.98 y	35:43	1.15	50.00	12.1	n
Total HpCDF	76045546	0.98 y	34:36	1.26	100.00	7.7	n
13C-1,2,3,4,6,7,8-HpCDD	55653400	1.04 y	35:24	0.81	100.00	16.4	n
1,2,3,4,6,7,8-HpCDD	29475700	1.04 y	35:24	1.06	50.00	-1.2	n
Total HpCDD	29604684	1.09 y	34:51	1.06	50.00	-1.2	n
13C-OCDD	81431100	0.90 y	37:54	0.59	200.00	11.7	n
OCDF	59627100	0.90 y	38:01	1.46	100.00	1.3	n
OCDD	47346200	0.89 y	37:55	1.16	100.00	-0.3	n

Run text: ST0503B File text: ST0503B :CS3 10DXN083
Run #31 Filename 03MY10A4D5 S: 31 I: 1
Acquired: 4-MAY-10 09:16:31 Processed: 4-MAY-10 09:57:38
Run: 03MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 03MY10A4D58290A

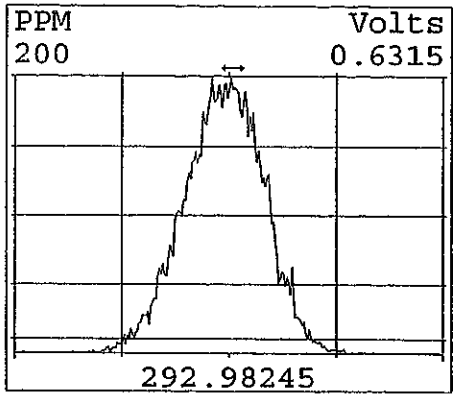
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	115304712	0.80 y	19:30	-	100.00	-	n
13C-2,3,7,8-TCDF	172705824	0.79 y	18:55	1.50	100.00	-1.5	n
2,3,7,8-TCDF	16270005	0.75 y	18:56	0.94	10.00	-0.3	n
Total TCDF	17022157	0.77 y	17:05	0.94	10.00	-0.3	n
13C-2,3,7,8-TCDD	118535480	0.79 y	19:41	1.03	100.00	8.2	n
2,3,7,8-TCDD	11082030	0.77 y	19:43	0.93	10.00	-8.4	n
Total TCDD	11144166	0.42 n	17:33	0.93	10.00	-8.4	n
37Cl-2,3,7,8-TCDD	27983054	1.00 y	19:42	2.43	10.00	7.3	n
13C-1,2,3,7,8-PeCDF	128014340	1.59 y	24:34	1.11	100.00	5.7	n
1,2,3,7,8-PeCDF	64416506	1.61 y	24:35	1.01	50.00	-3.7	n
2,3,4,7,8-PeCDF	61735766	1.61 y	26:04	0.96	50.00	-1.8	n
Total F2 PeCDF	128196946	1.65 y	23:03	0.99	100.00	-2.8	n
Total F1 PeCDF	80778	0.87 n	15:39	0.99	100.00	-2.8	n
13C-1,2,3,7,8-PeCDD	92912140	1.55 y	26:51	0.81	100.00	20.2	n
1,2,3,7,8-PeCDD	42638651	1.60 y	26:53	0.92	50.00	-6.5	n
Total PeCDD	42638651	1.60 y	26:53	0.92	50.00	-6.5	n
13C-1,2,3,7,8,9-HxCDD	100666728	1.28 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	95386818	0.53 y	31:55	0.95	100.00	-7.5	n
1,2,3,4,7,8-HxCDF	60298066	1.24 y	31:55	1.26	50.00	4.3	n
1,2,3,6,7,8-HxCDF	66640284	1.25 y	32:03	1.40	50.00	4.1	n
2,3,4,6,7,8-HxCDF	62938314	1.23 y	32:37	1.32	50.00	8.0	n
1,2,3,7,8,9-HxCDF	59509678	1.26 y	33:16	1.25	50.00	14.2	n
Total HxCDF	249639307	1.38 y	30:47	1.31	200.00	7.4	n
13C-1,2,3,6,7,8-HxCDD	85549124	1.25 y	32:49	0.85	100.00	5.3	n
1,2,3,4,7,8-HxCDD	43144314	1.42 y	32:45	1.01	50.00	0.2	n
1,2,3,6,7,8-HxCDD	48905998	1.18 y	32:50	1.14	50.00	2.6	n
1,2,3,7,8,9-HxCDD	51303640	1.29 y	33:06	1.20	50.00	-0.8	n
Total HxCDD	143353952	1.42 y	32:45	1.12	150.00	0.7	n
13C-1,2,3,4,6,7,8-HpCDF	88285826	0.44 y	34:36	0.88	100.00	1.7	n
1,2,3,4,6,7,8-HpCDF	58597852	0.98 y	34:36	1.33	50.00	1.4	n
1,2,3,4,7,8,9-HpCDF	51037462	0.99 y	35:43	1.16	50.00	12.7	n
Total HpCDF	110441011	0.98 y	34:36	1.24	100.00	6.4	n
13C-1,2,3,4,6,7,8-HpCDD	83208764	1.08 y	35:24	0.83	100.00	18.5	n
1,2,3,4,6,7,8-HpCDD	42398210	1.03 y	35:25	1.02	50.00	-4.9	n
Total HpCDD	43004536	0.81 n	34:51	1.02	50.00	-4.9	n
13C-OCDD	133892416	0.92 y	37:54	0.67	200.00	25.1	n
OCDF	94229016	0.92 y	38:01	1.41	100.00	-2.6	n
OCDD	75530756	0.88 y	37:54	1.13	100.00	-3.3	n

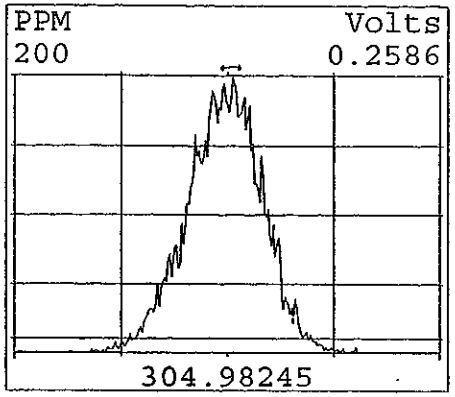
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
03MY10A4D5	1	ST0503	CS3 10DXN083				1.00000	
03MY10A4D5	2	CP0503	DB-5 CPSM 3732-05				1.00000	
03MY10A4D5	3	SB0503	Solvent Blank C-14				1.00000	
03MY10A4D5	4	LX0M6-1-AA	G0D140534-3RI	10	8290/WATER	75	0.94920	L
03MY10A4D5	5	LX0PE-1-AA	G0D140542-1	20	8290/SOLID	70	10.15000	g
03MY10A4D5	6	LX3A0-1-AC	G0D160437-1	10	8290/SOLID	77	10.08000	g
03MY10A4D5	7	LX3A9-1-AC	G0D160437-3	10	8290/SOLID		10.16000	g
03MY10A4D5	8	LX50Q-1-AC	G0D170488-1	10	8290/SOLID	77	10.06000	g
03MY10A4D5	9	LX50T-1-AC	G0D170488-3	10	8290/SOLID		10.45000	g
03MY10A4D5	10	LX513-1-AC	G0D170491-1	10	8290/SOLID	77	10.14000	g
03MY10A4D5	11	LX515-1-AC	G0D170491-3	10	8290/SOLID		10.11000	g
03MY10A4D5	12	LX517-1-AC	G0D170491-5	10	8290/SOLID		10.05000	g
03MY10A4D5	13	LX0LQ-1-AC	G0D140526-1 (40X)	10	8290/SOLID	75	10.56000	g
03MY10A4D5	14	LX0LQ-1-AD	G0D140526-1MS (40X)	10	8290/SOLID		10.25000	g
03MY10A4D5	15	LX0LQ-1-AE	G0D140526-1MSD (40X)	10	8290/SOLID		10.65000	g
03MY10A4D5	16	SB0503A	Solvent Blank C-14				1.00000	
03MY10A4D5	17	ST0503A	CS3 10DXN083				1.00000	
03MY10A4D5	18	CP0503A	DB-5 CPSM 3732-05				1.00000	
03MY10A4D5	19	SB0503B	Solvent Blank C-14				1.00000	
03MY10A4D5	20	LXW72-1-AA	G0D130556-1	20	8290/WATER	72	0.86260	L
03MY10A4D5	21	LX3WA-1-AD	G0D160486-25	10	8290/SOLID	79	10.49000	g
03MY10A4D5	22	LX3WA-1-AE	G0D160486-25MS	10	8290/SOLID		10.12000	g
03MY10A4D5	23	LX3WA-1-AF	G0D160486-25MSD	10	8290/SOLID		10.39000	g
03MY10A4D5	24	LX8NW-1-AD	G0D200500-55	10	8290/SOLID	80	10.02000	g
03MY10A4D5	25	LX8NW-1-AE	G0D200500-55MS	10	8290/SOLID		10.00000	g
03MY10A4D5	26	LX8NW-1-AF	G0D200500-55MSD	10	8290/SOLID		10.67000	g
03MY10A4D5	27	LX3XG-1-AE	G0D160486-41	10	8290/SOLID		10.25000	g
03MY10A4D5	28	LX3XF-1-AE	G0D160486-40	10	8290/SOLID	80	10.28000	g
03MY10A4D5	29	SB0503C	Solvent Blank C-14				1.00000	
03MY10A4D5	30	SB0503D	Solvent Blank C-14				1.00000	
03MY10A4D5	31	ST0503B	CS3 10DXN083				1.00000	

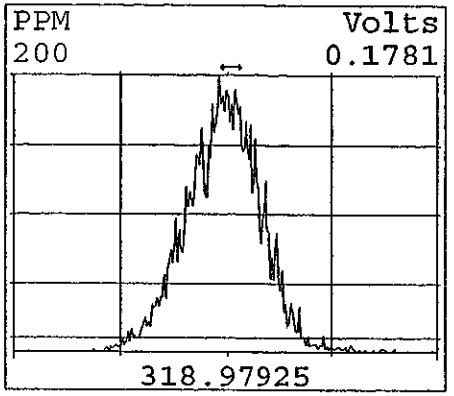
MEO, 05-03-10

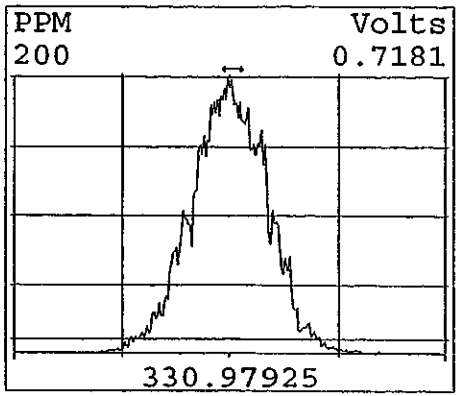
logfile verified
OK
AS
05/04/10

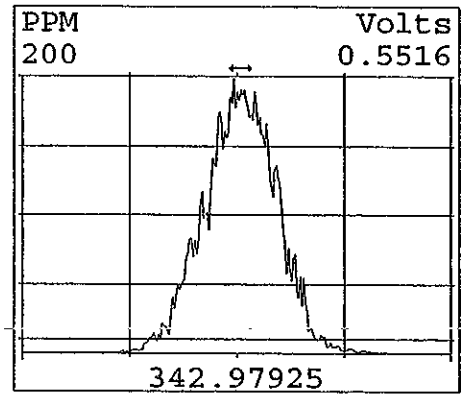
Peak Locate Examination: 3-MAY-2010:11:05 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

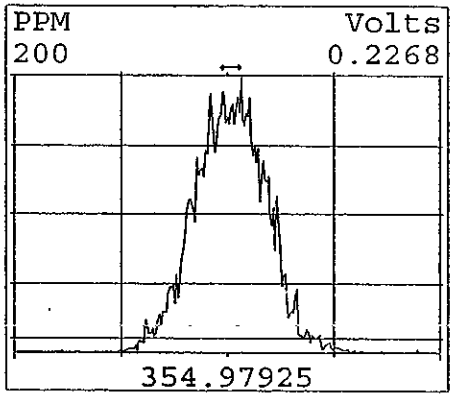


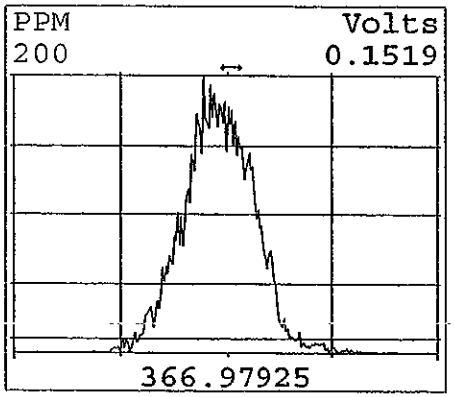


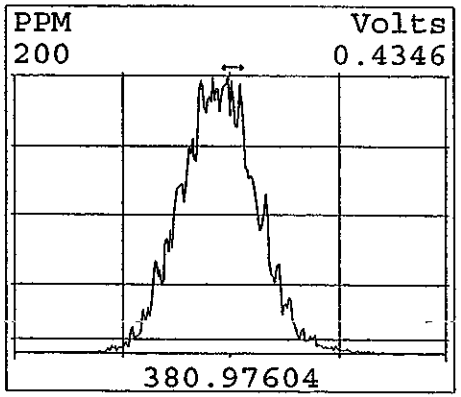


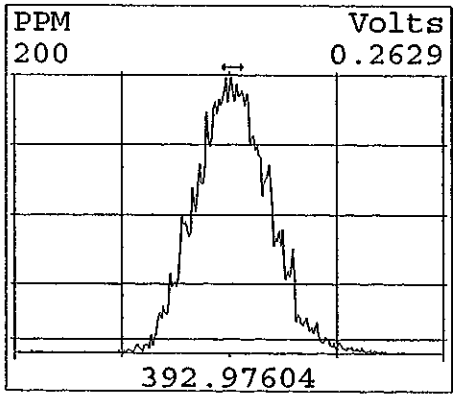


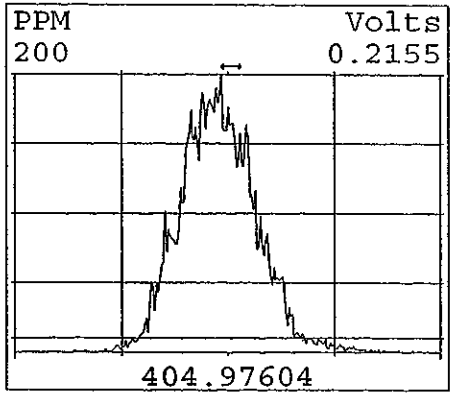


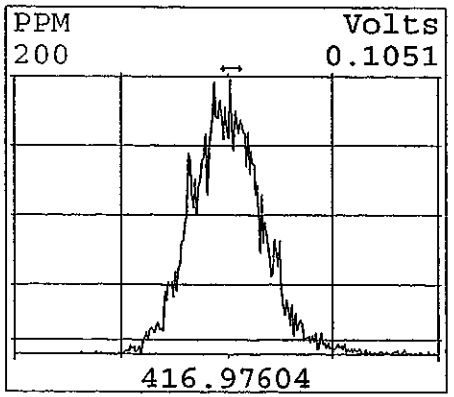




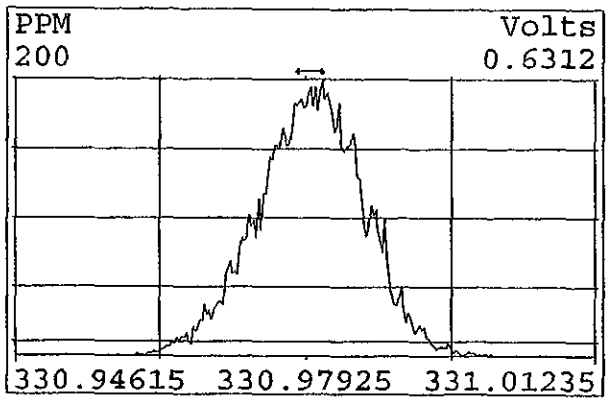


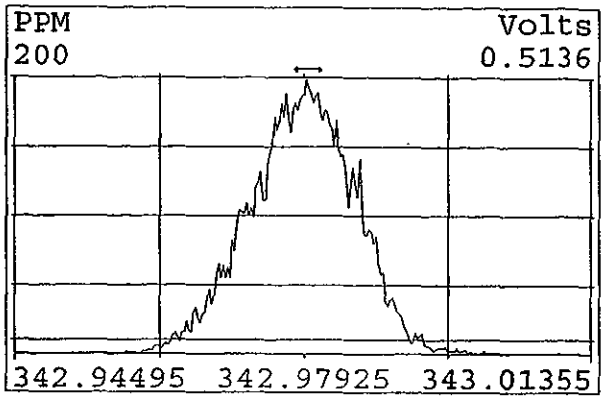


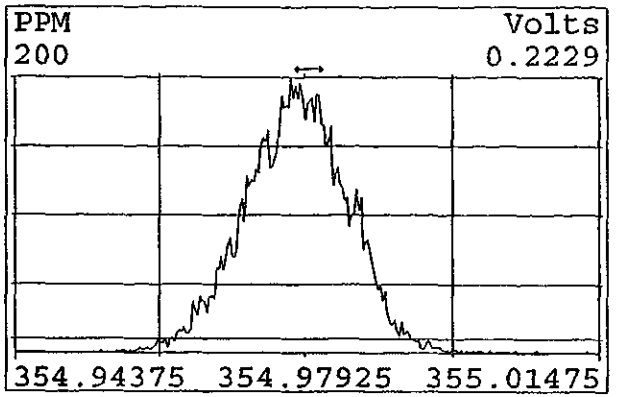


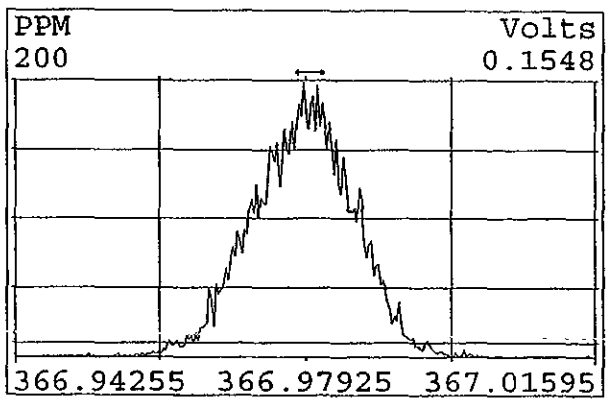


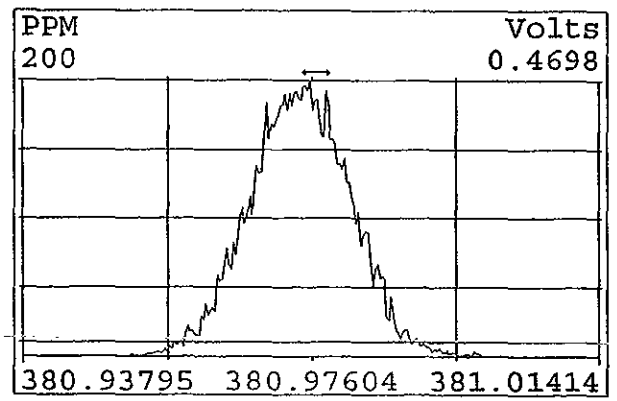
Peak Locate Examination: 3-MAY-2010:11:05 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

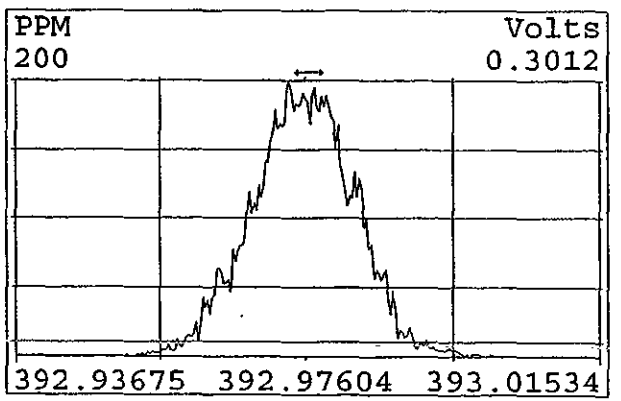


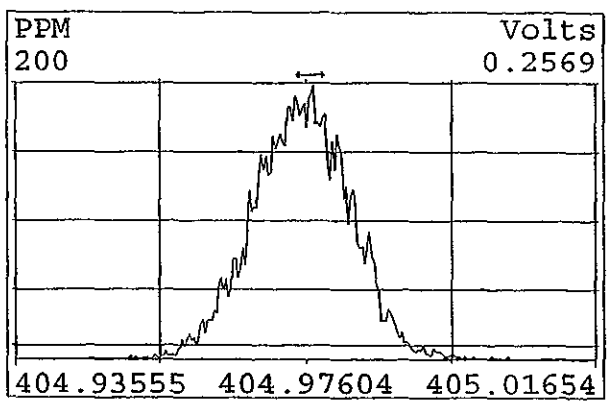


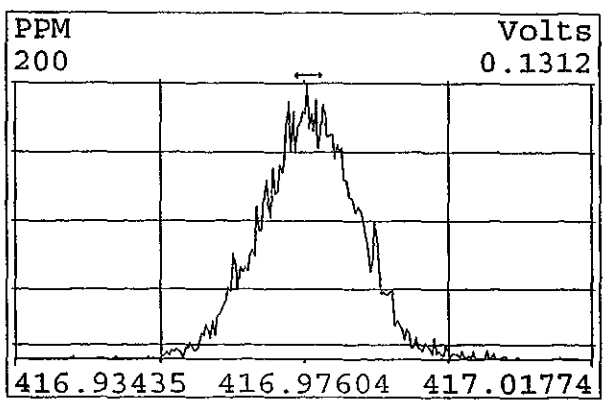




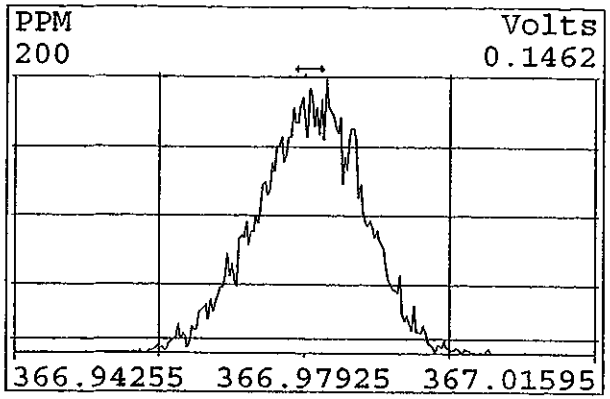


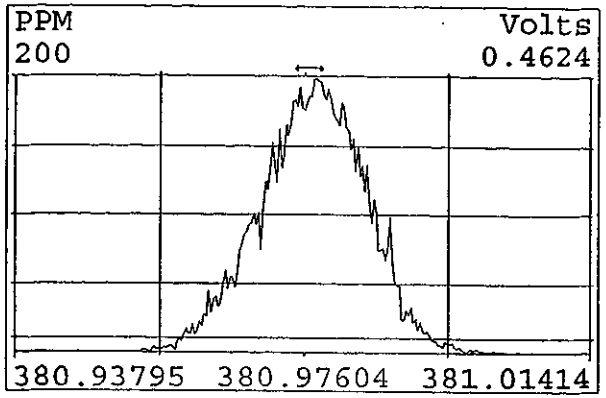


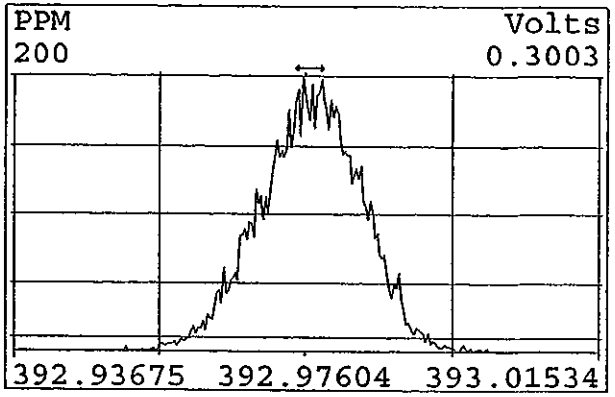


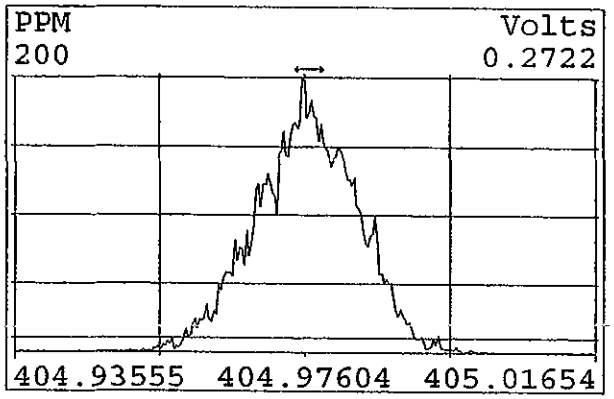


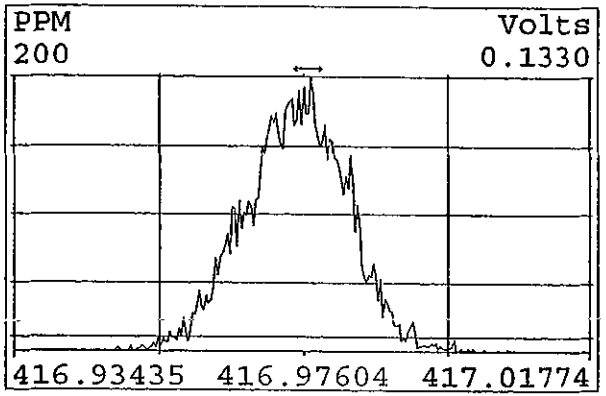
Peak Locate Examination: 3-MAY-2010:11:08 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

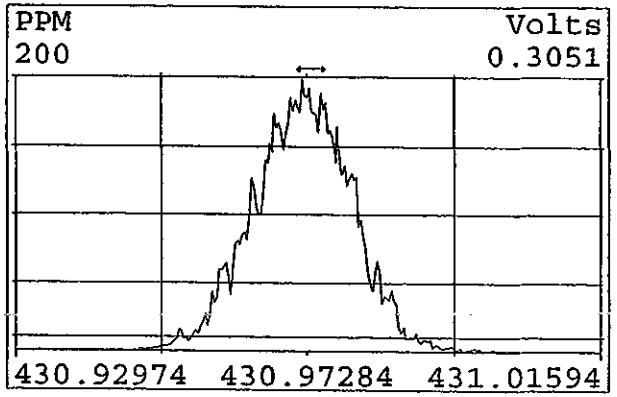


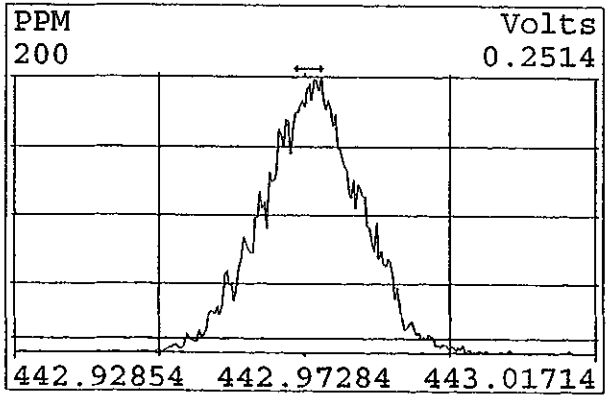


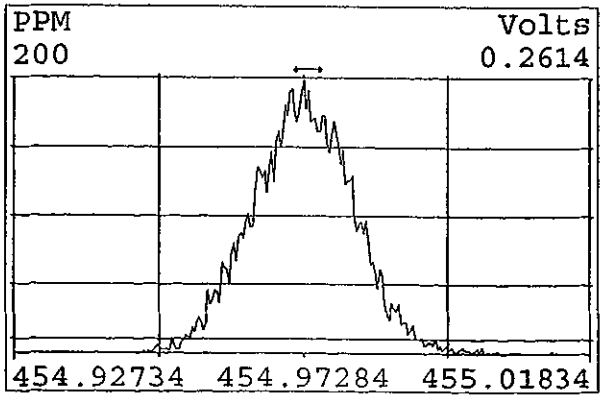




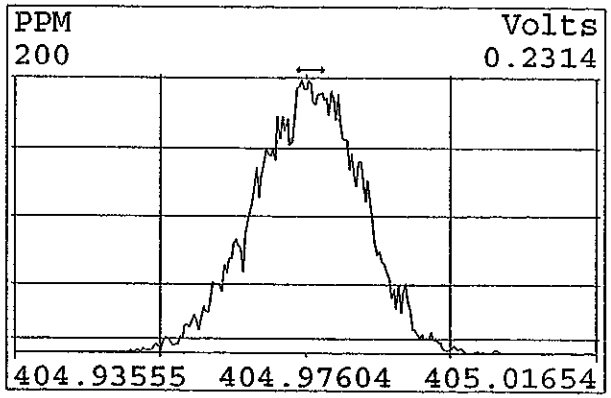


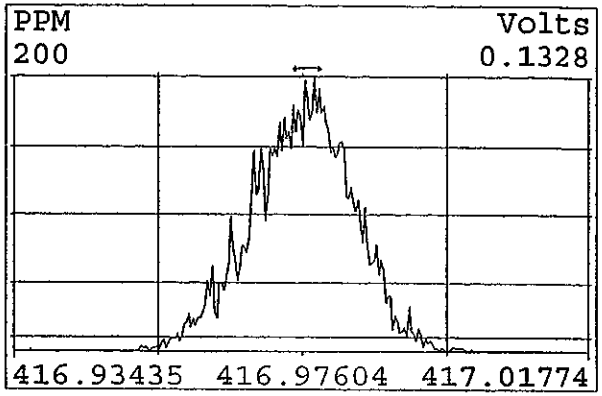


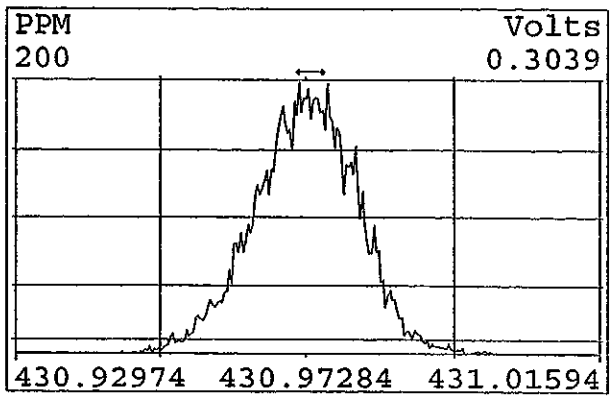


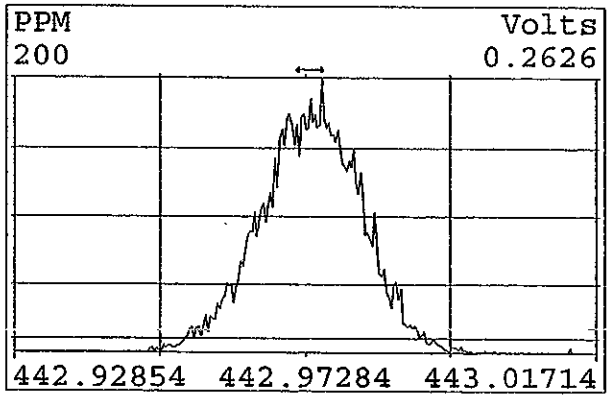


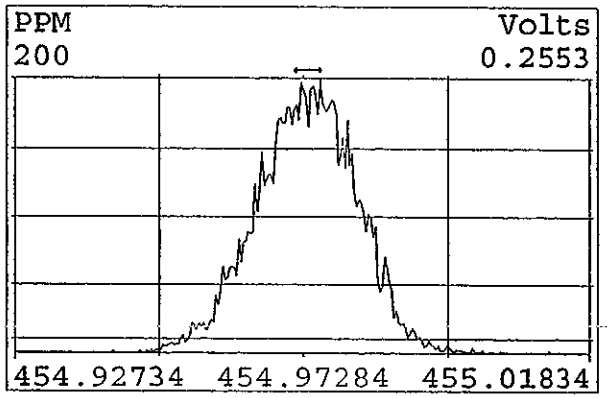
Peak Locate Examination: 3-MAY-2010:11:10 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

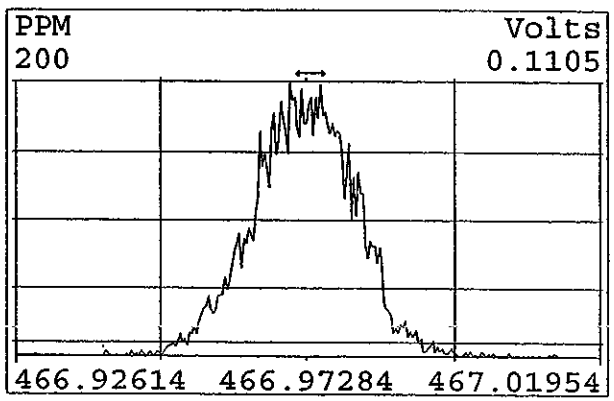


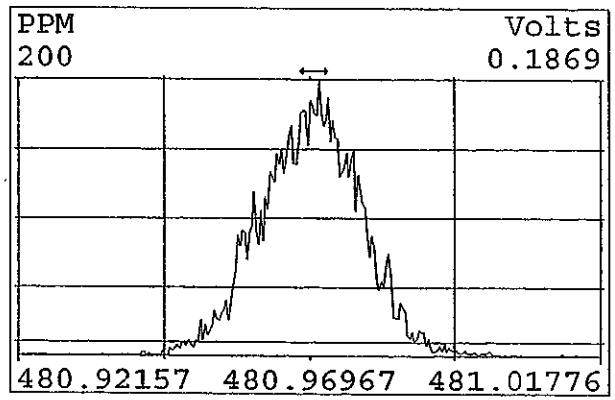




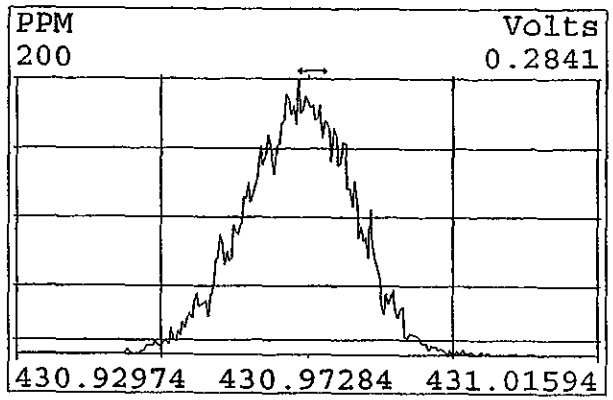


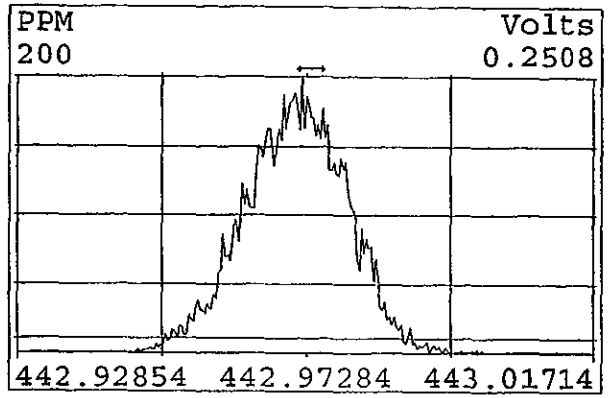


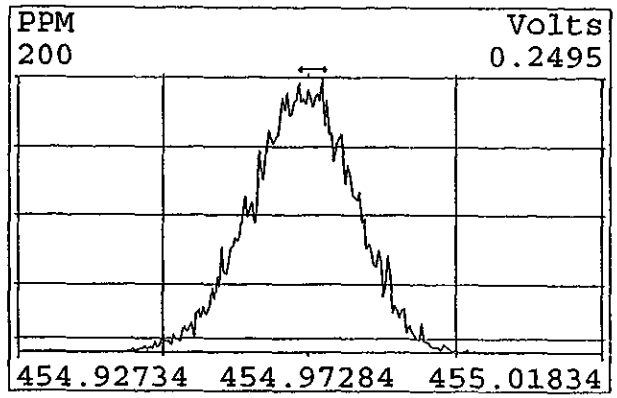


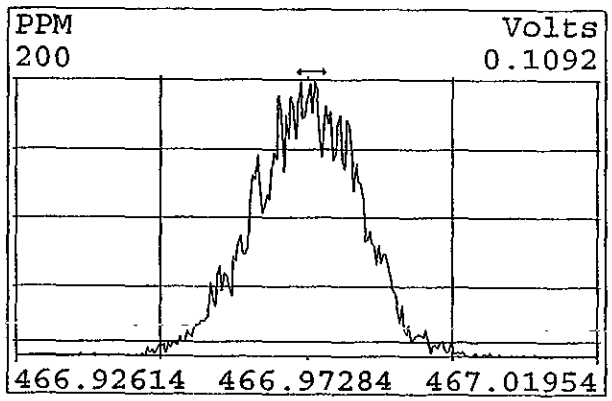


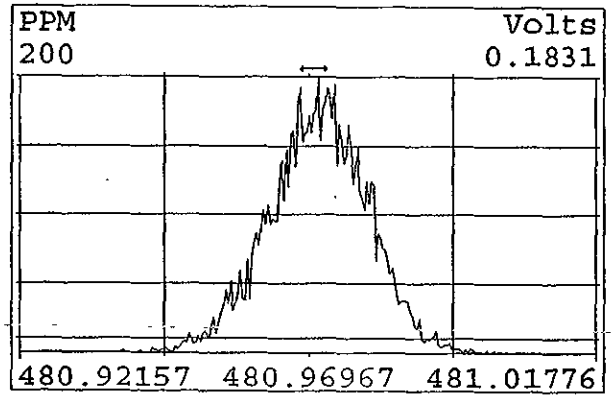
Peak Locate Examination: 3-MAY-2010:11:11 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

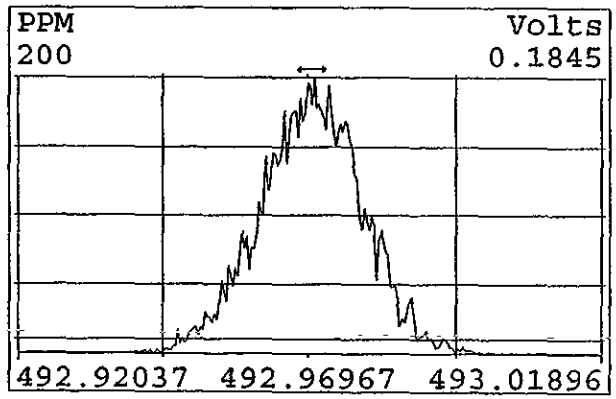


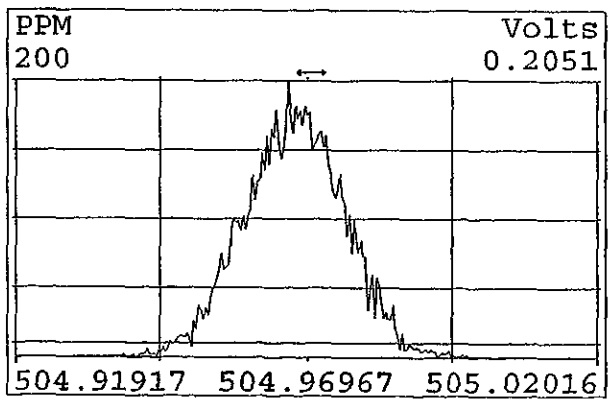


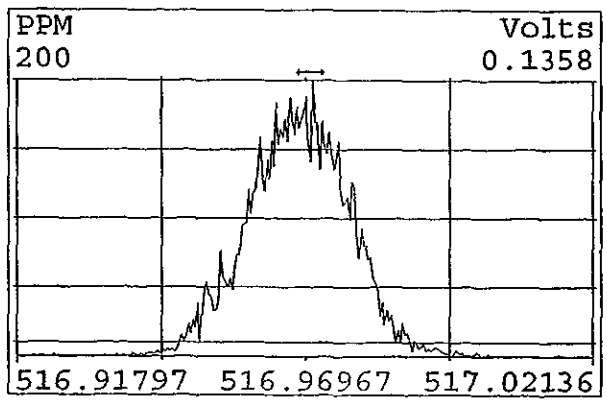




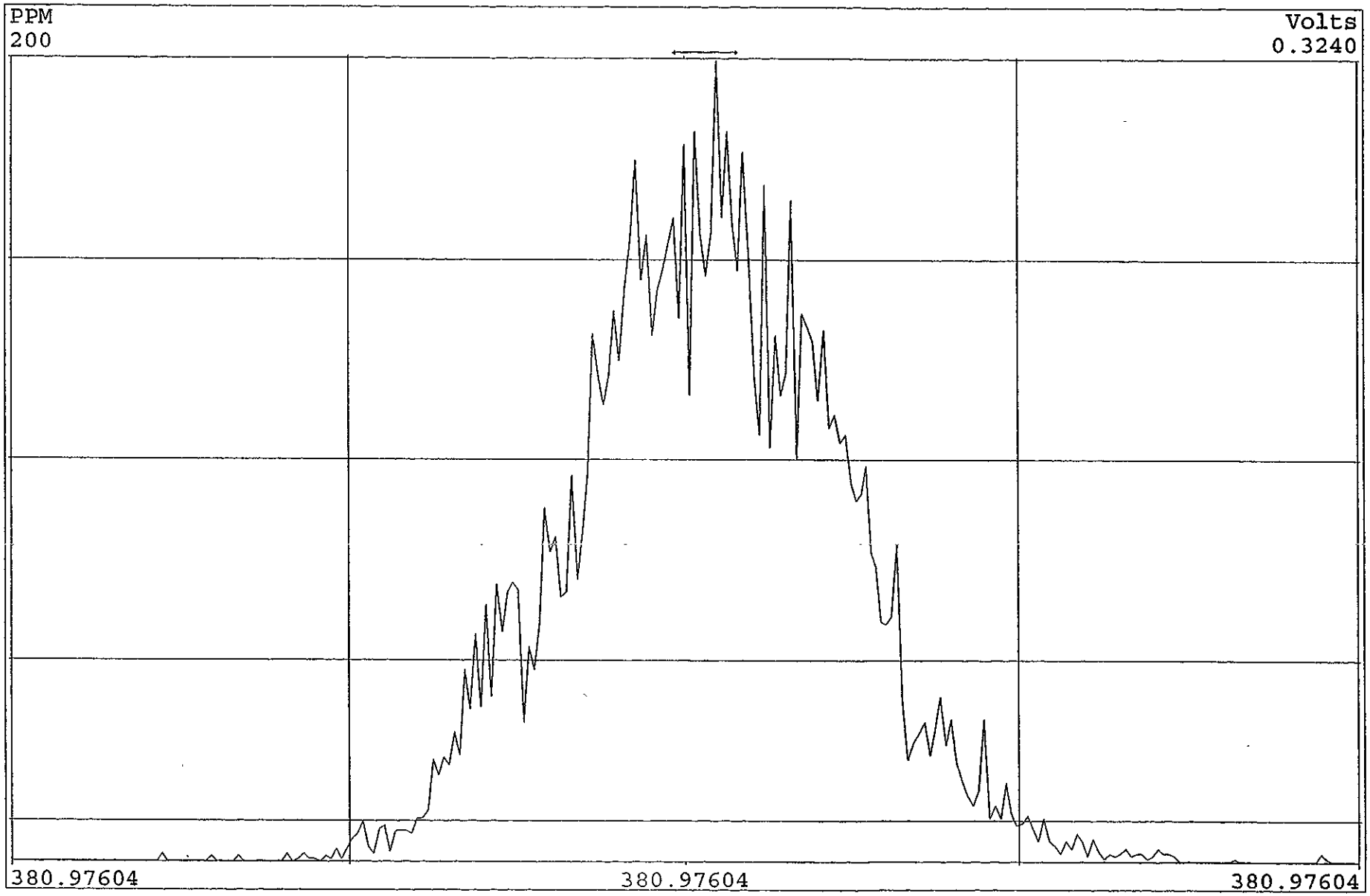




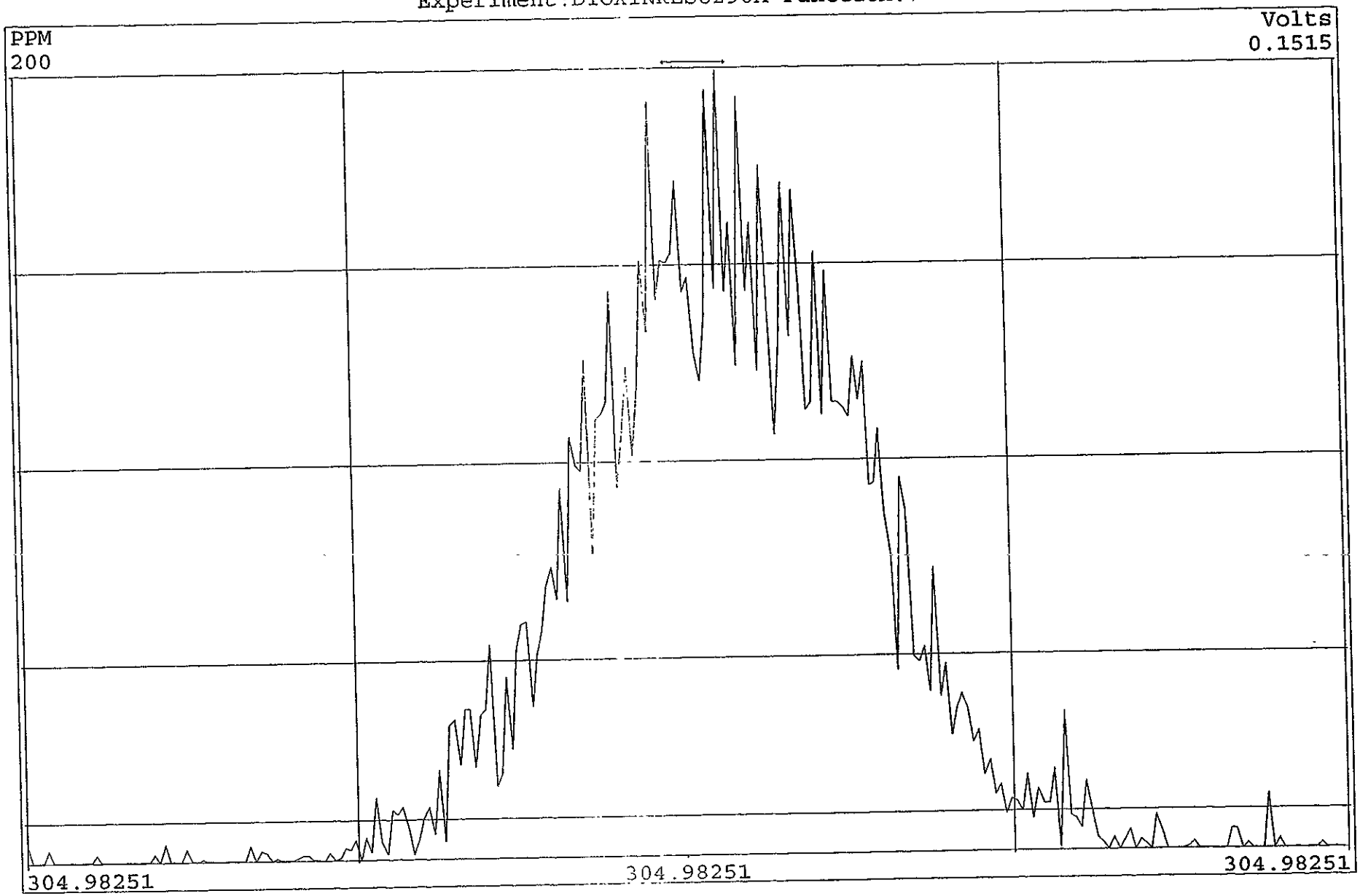




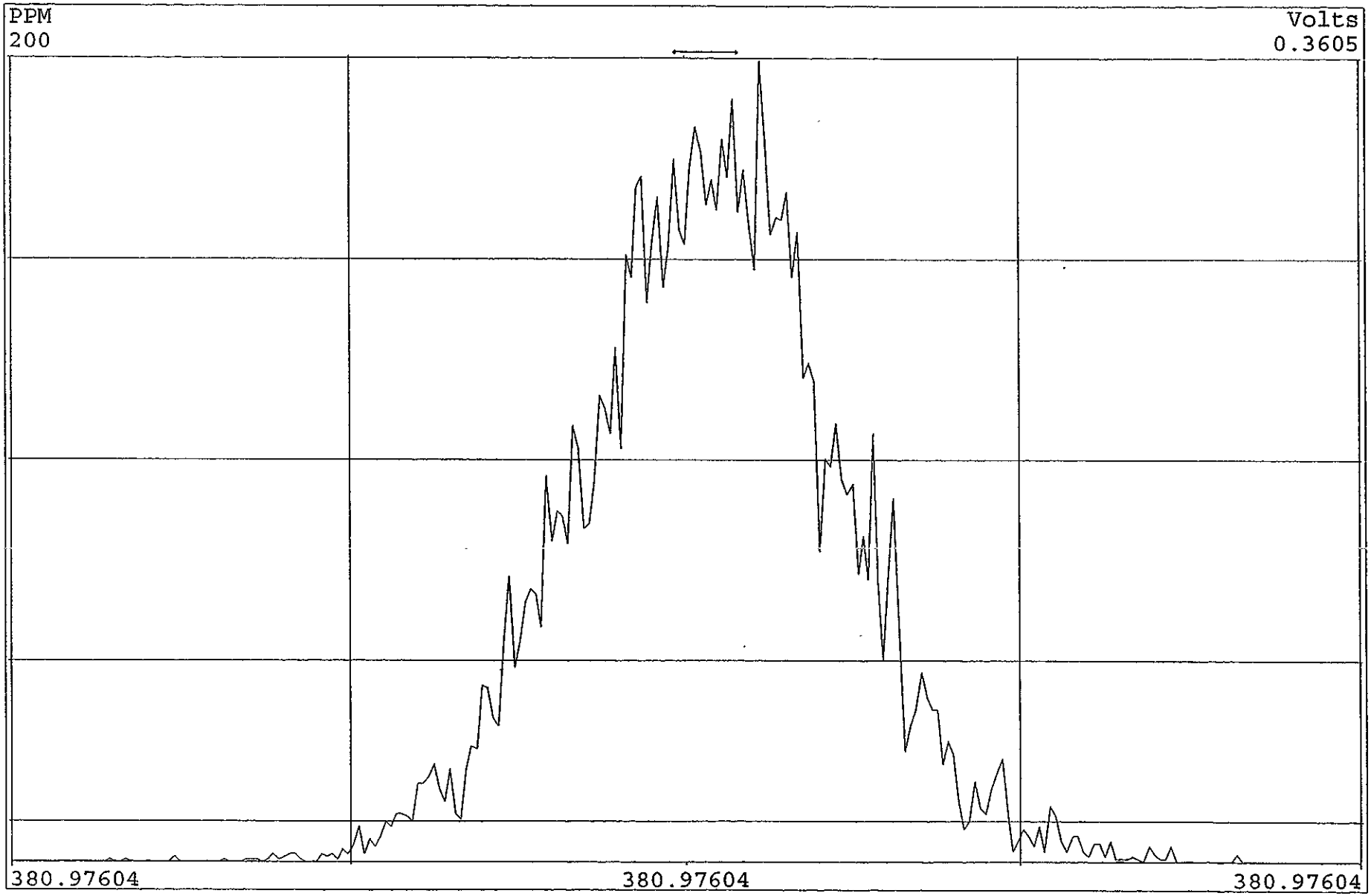
SIRLM Examination: 3-MAY-2010:21:27 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:6



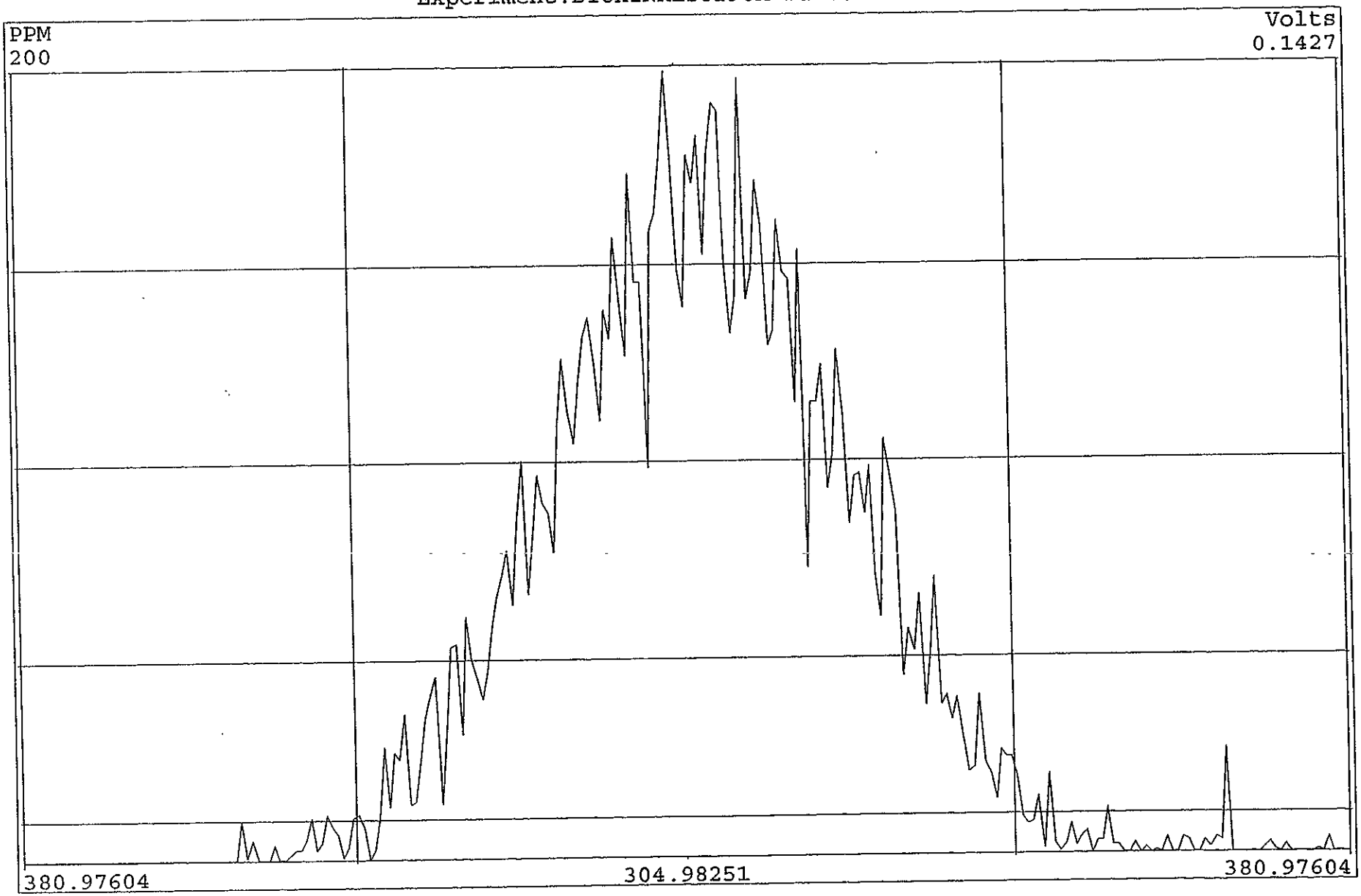
SIRLM Examination: 3-MAY-2010:21:28 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:7



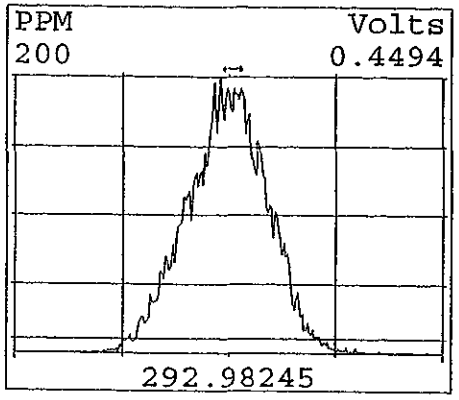
SIRLM Examination: 3-MAY-2010:22:56 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:6

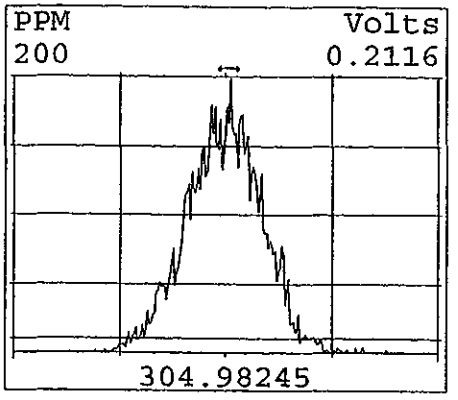


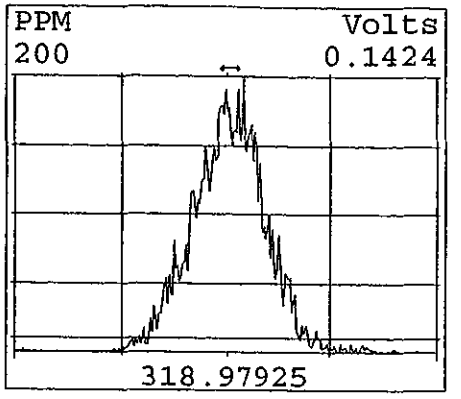
SIRLM Examination: 3-MAY-2010:22:56 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:7

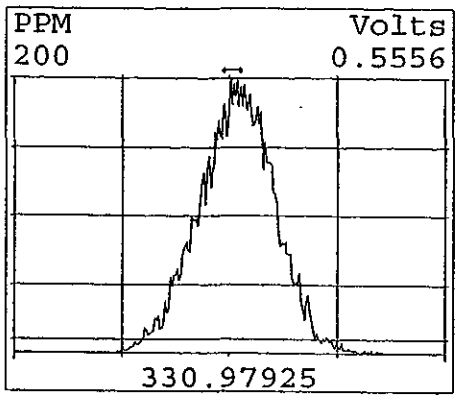


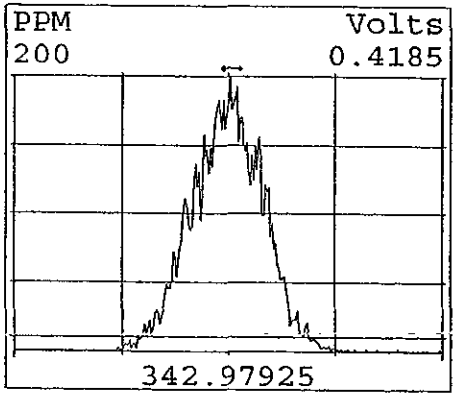
Peak Locate Examination: 4-MAY-2010:10:07 File:03MY10A4D5ENDRES
Experiment:DIOXINRES8290A Function:1 Reference:PFK

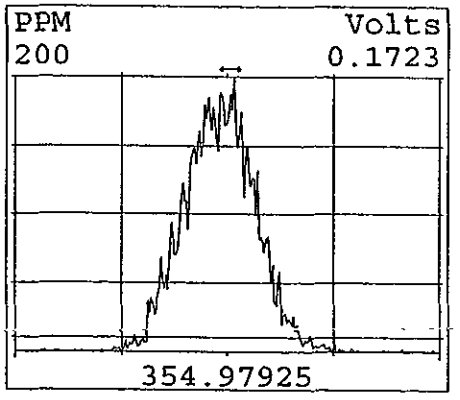


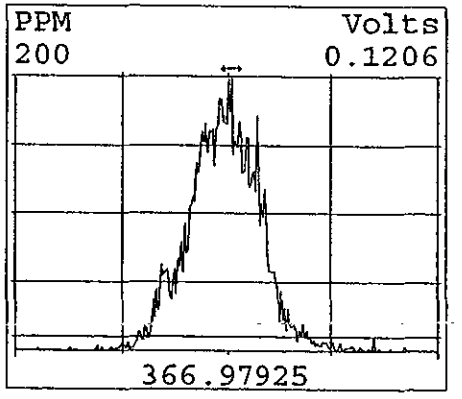


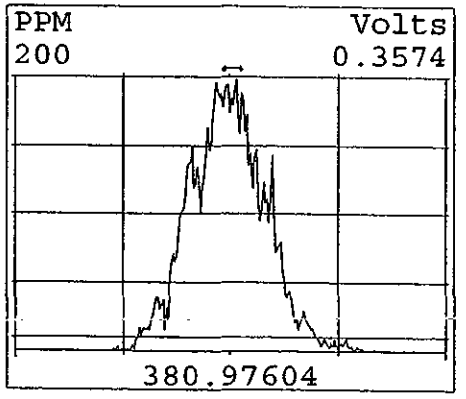


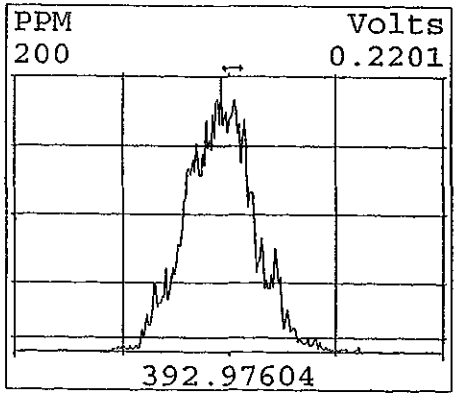


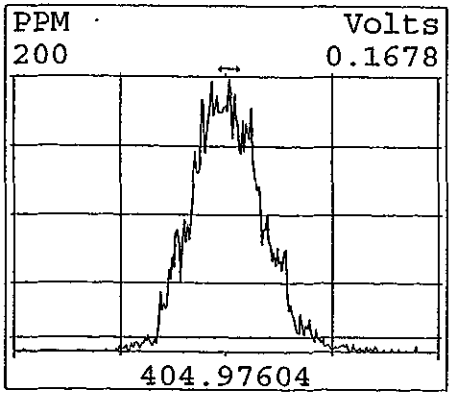


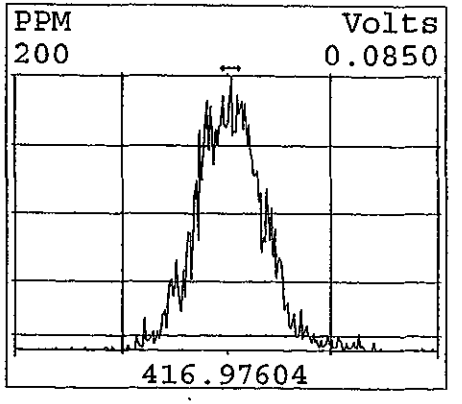




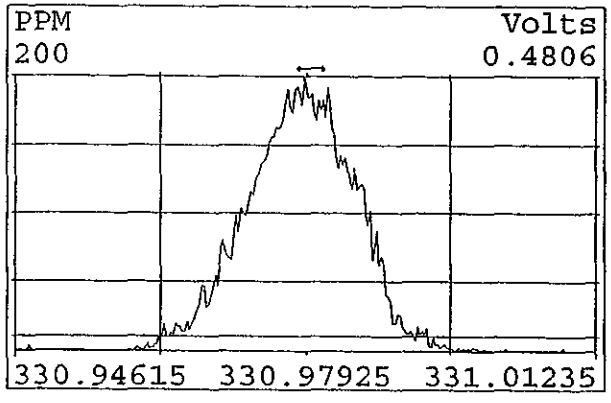


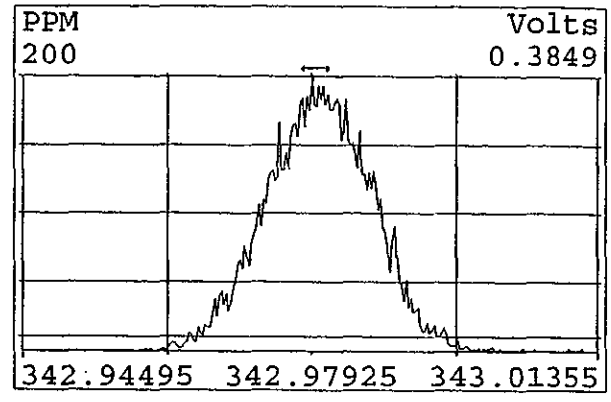


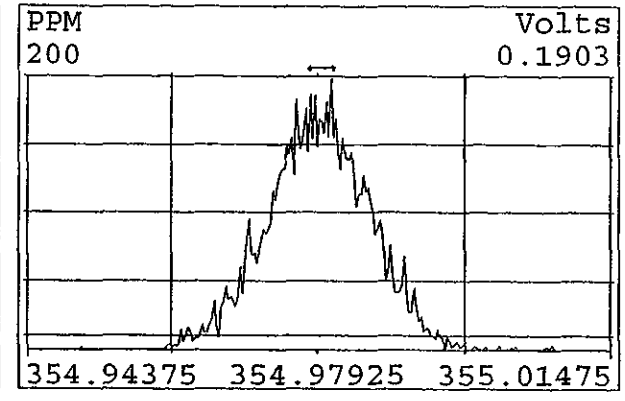


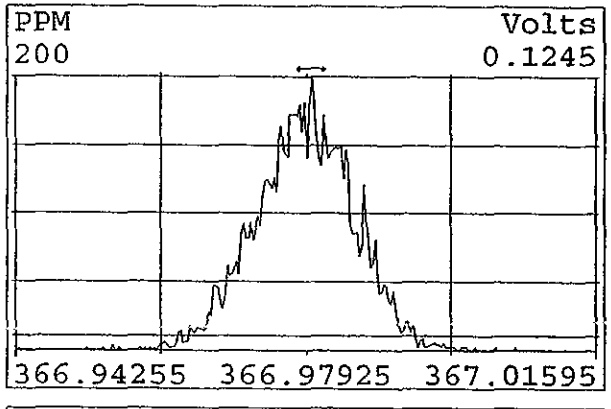


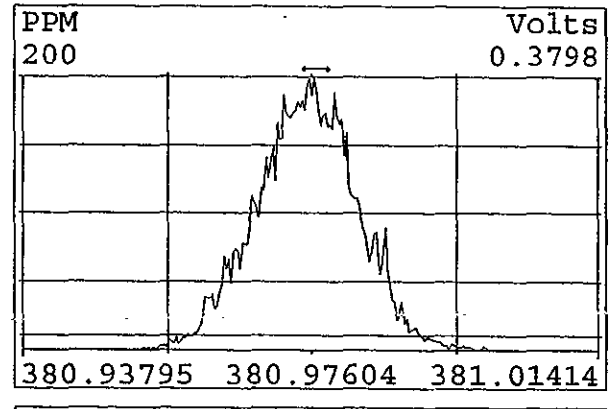
Peak Locate Examination: 4-MAY-2010:10:07 File:03MY10A4D5ENDRES
Experiment:DIOXINRES8290A Function:2 Reference:PFK

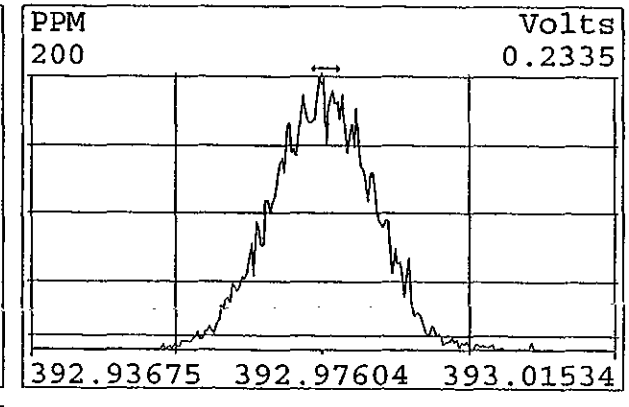


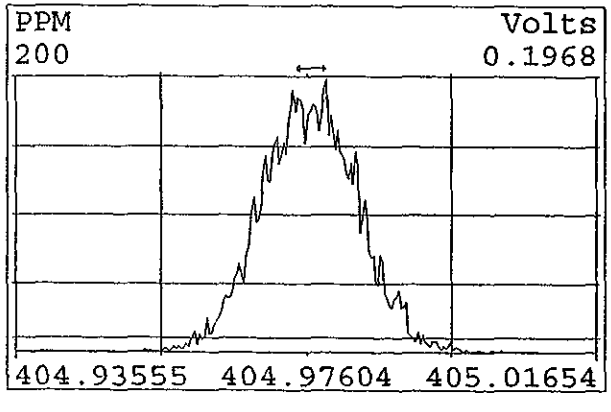


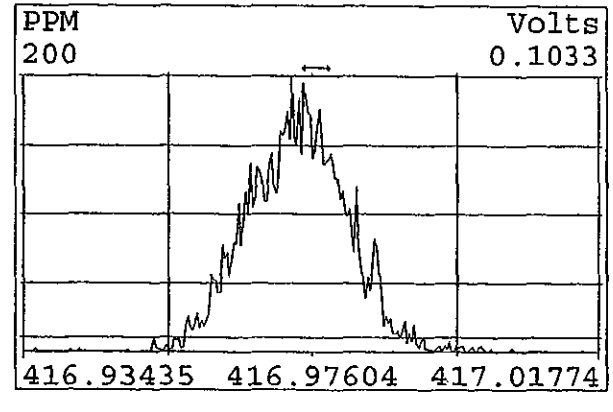




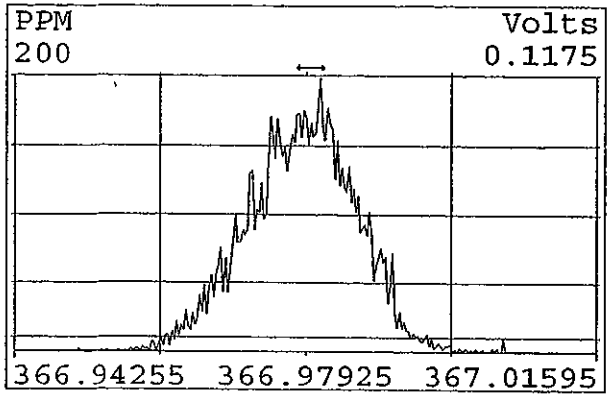


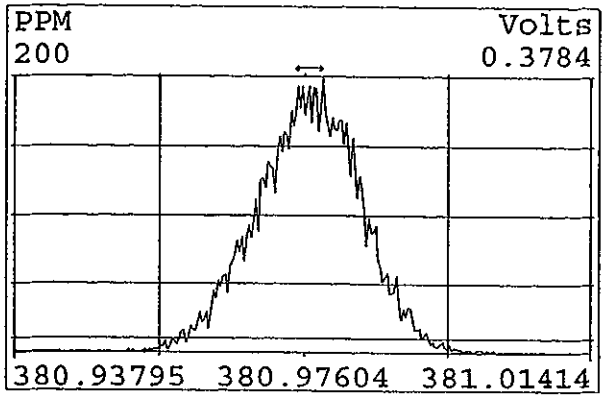


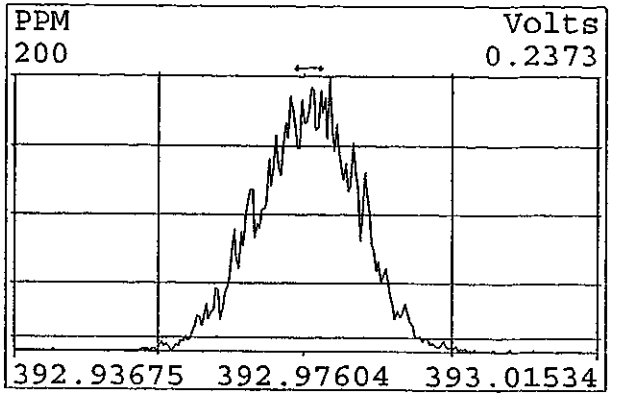


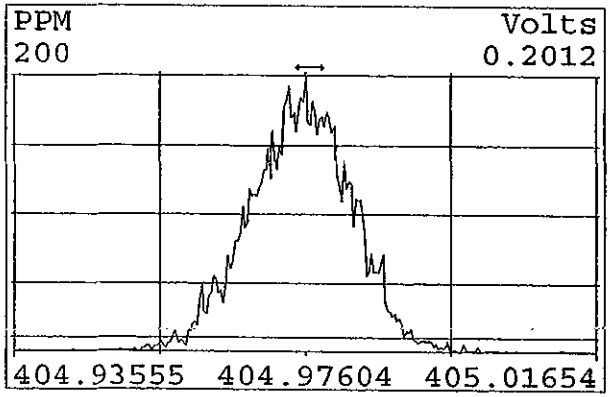


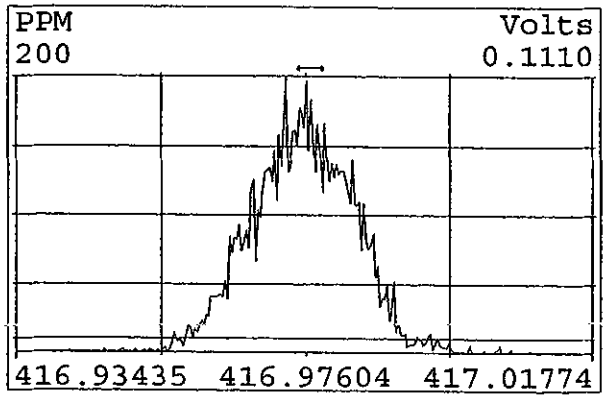
Peak Locate Examination: 4-MAY-2010:10:08 File:03MY10A4D5ENDRES
Experiment:DIOXINRES8290A Function:3 Reference:PFK

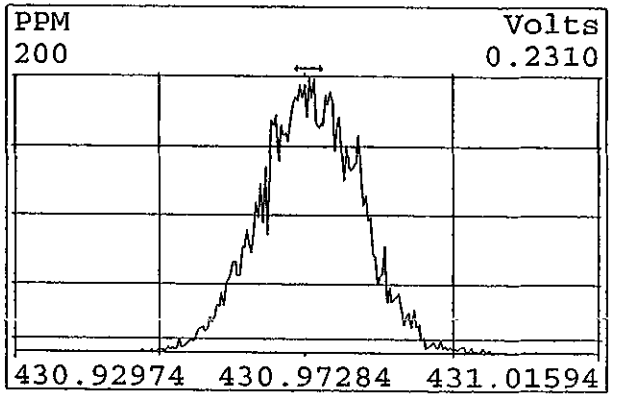


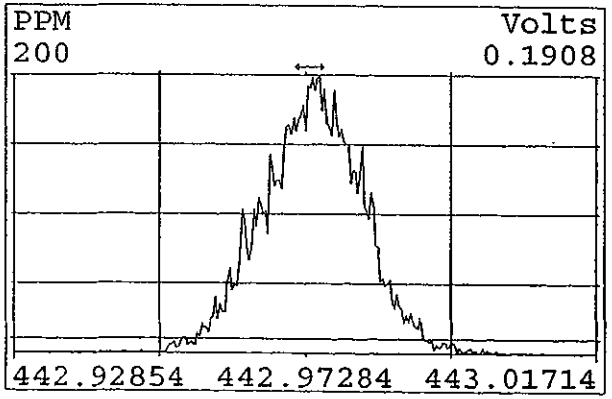


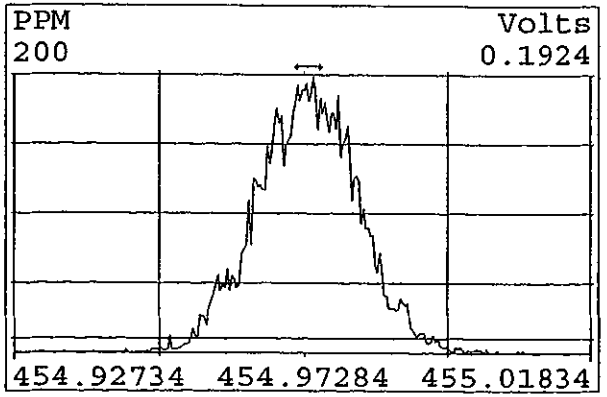




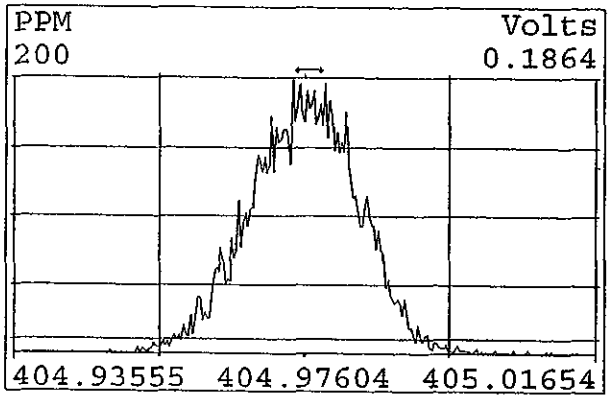


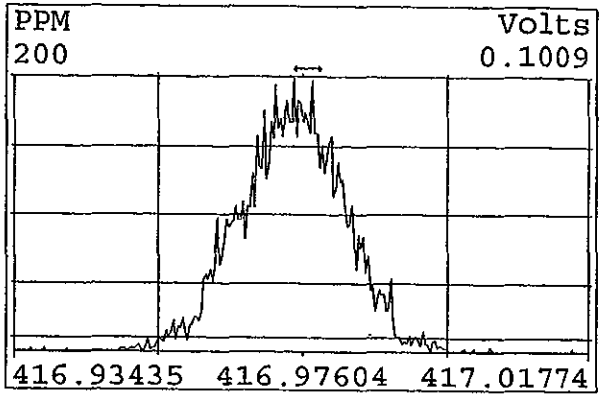


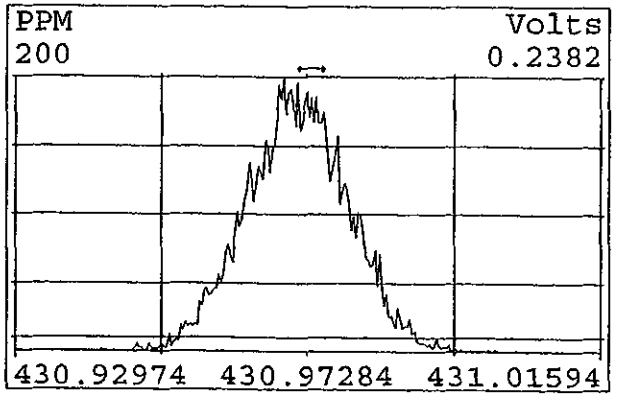


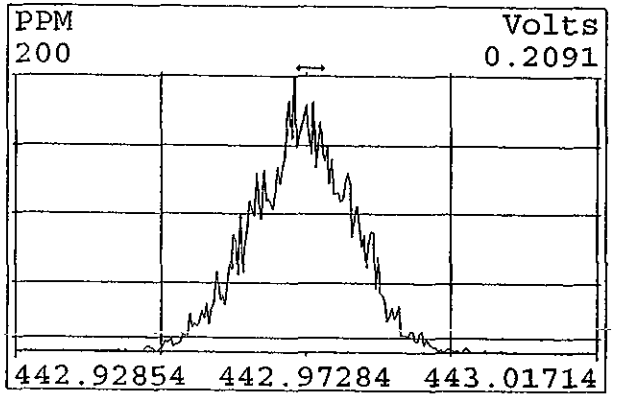


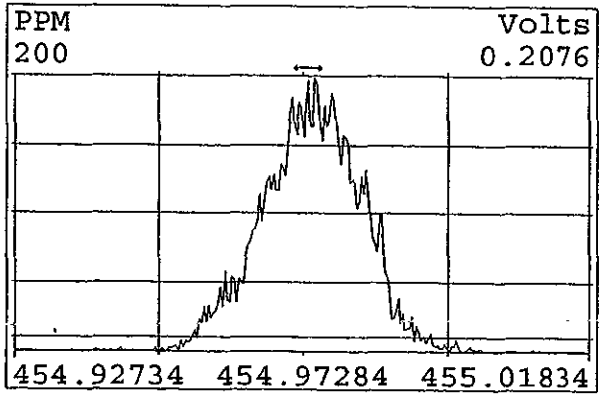
Peak Locate Examination: 4-MAY-2010:10:08 File:03MY10A4D5ENDRES
Experiment:DIOXINRES8290A Function:4 Reference:PFK

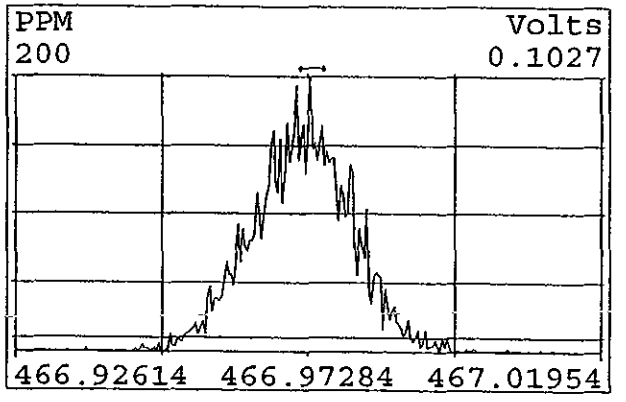


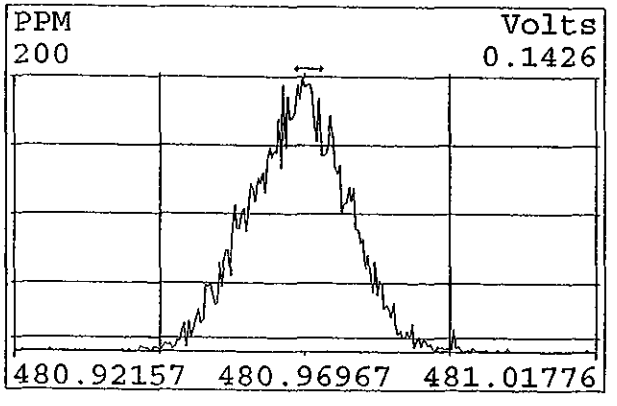




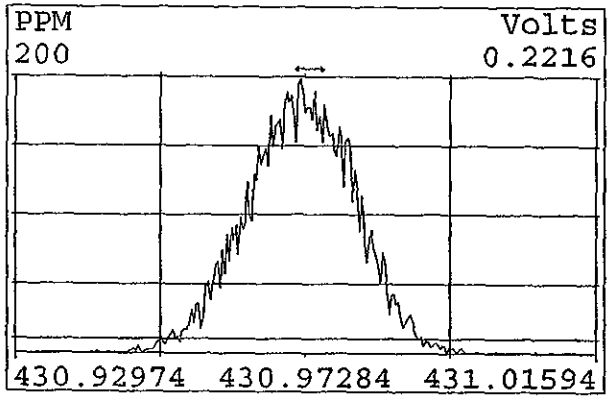


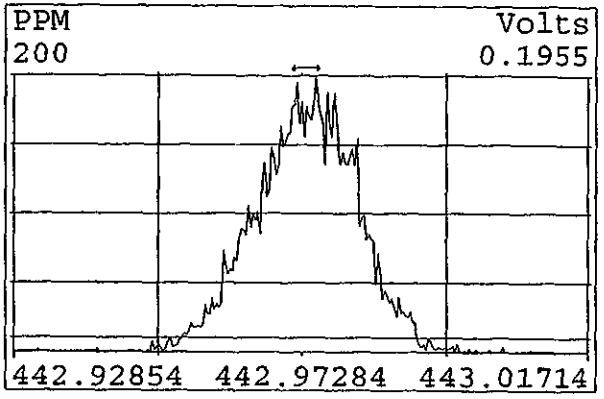


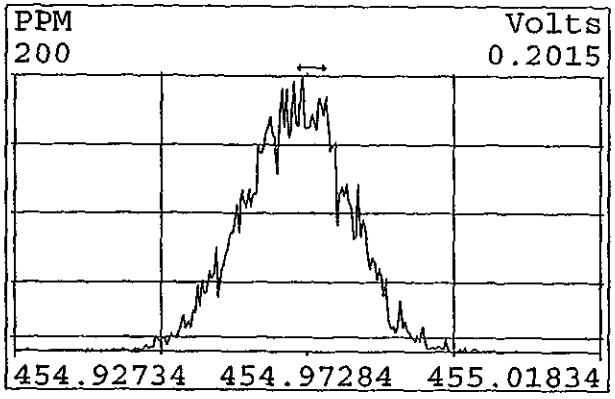


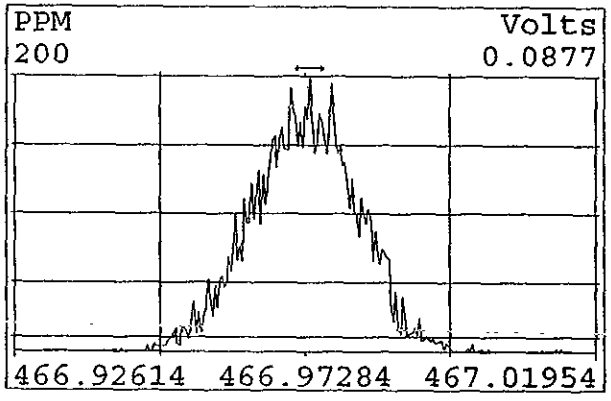


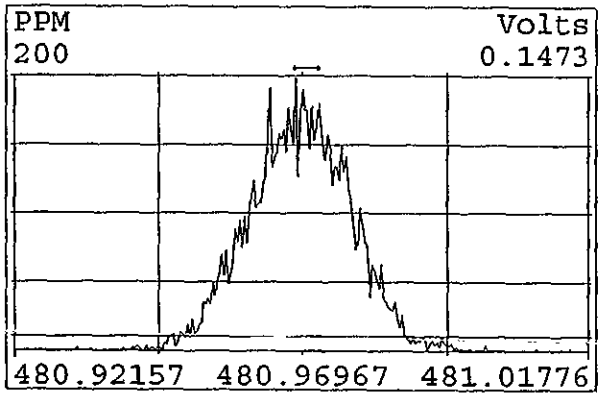
Peak Locate Examination: 4-MAY-2010:10:08 File:03MY10A4D5ENDRES
Experiment:DIOXINRES8290A Function:5 Reference:PFK

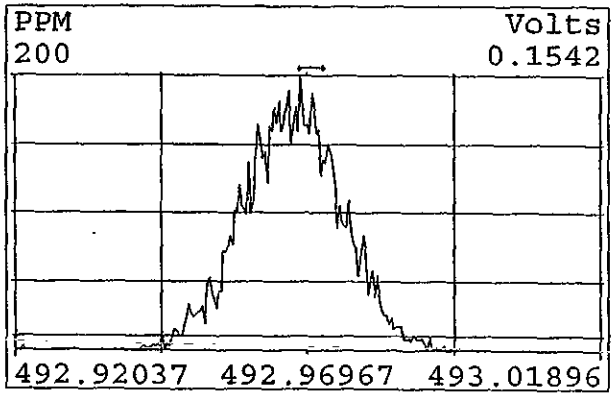


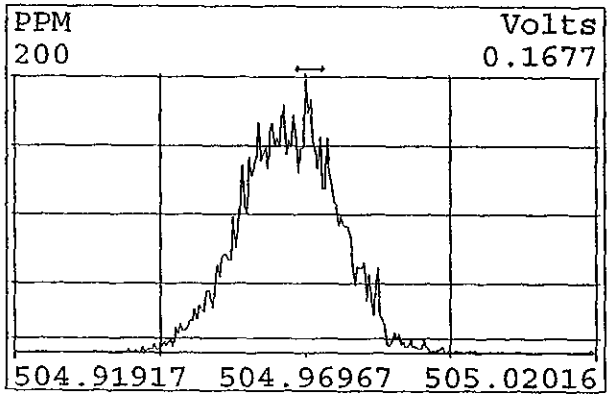


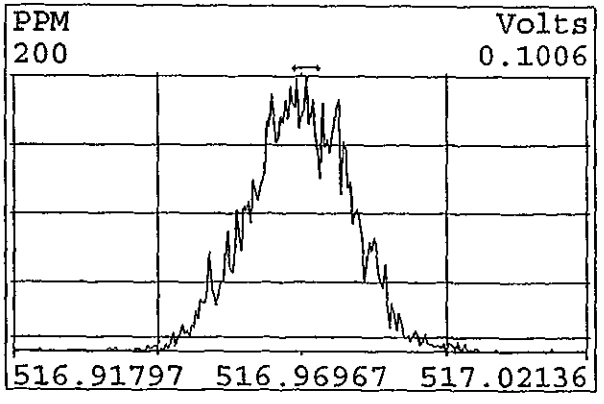




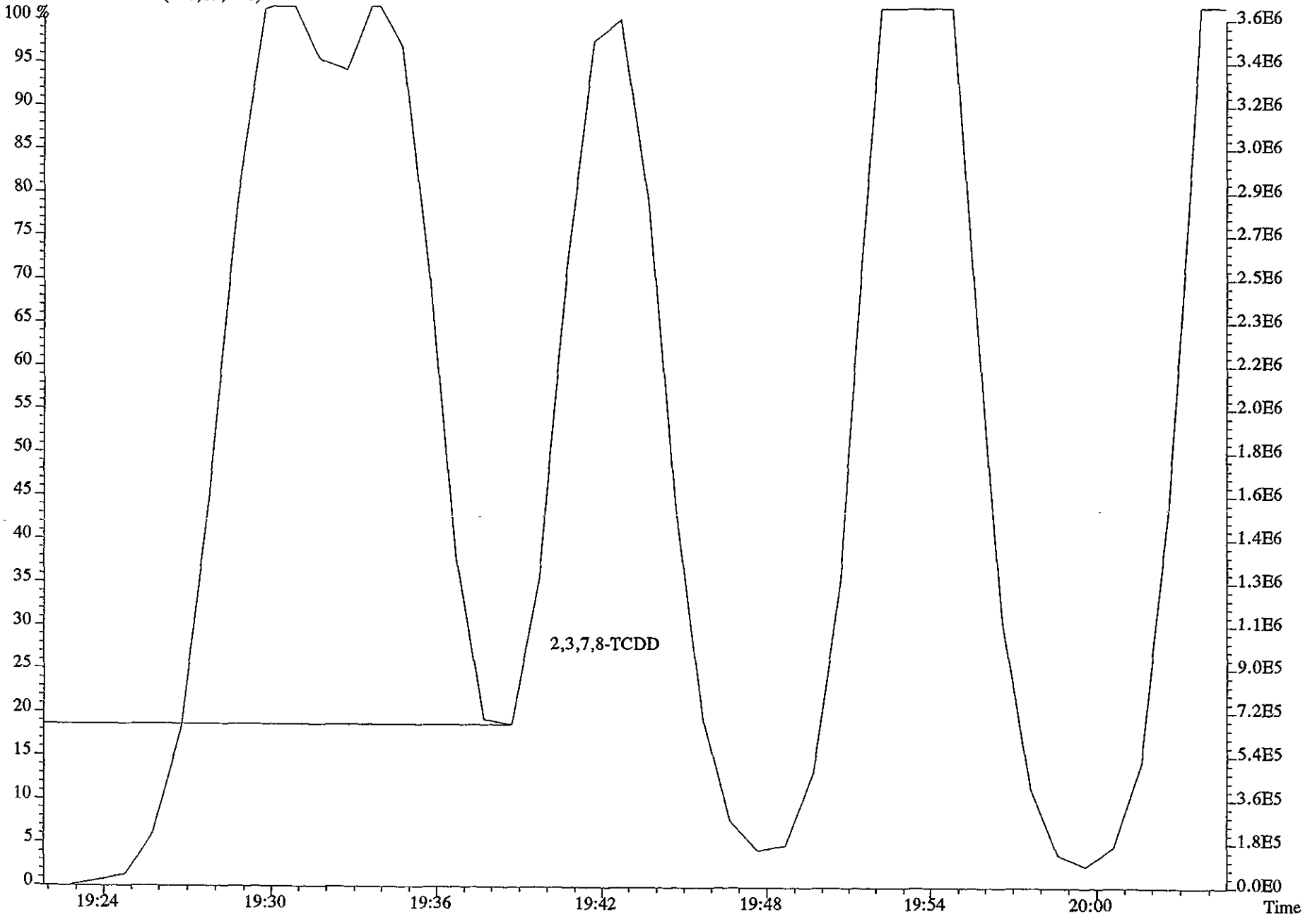








File:03MY10A4D5 #1-435 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
321.8936 S:18 BSUB(128,15,-3.0)



Run: 03MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5

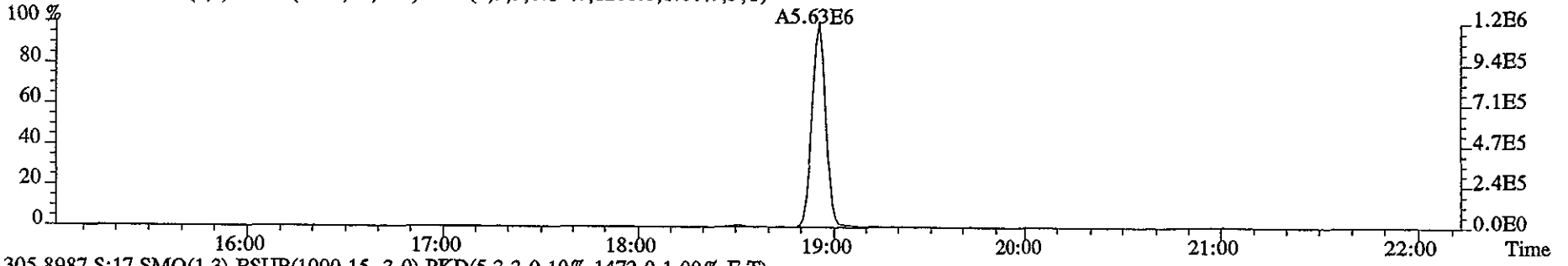
ST0412B :CS-1 09DXN422 ST0412A :CS-2 09DXN423 ST0412 :CS-3 10DXN111
ST0412D :CS-4 09DXN426 ST0412C :CS-5 09DXN456

Name	Mean	S. D.	%RSD	12AP104D5 S4 RRF1	12AP104D5 S3 RRF2	12AP104D5 S2 RRF3	12AP104D5 S6 RRF4	12AP104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	0.87	0.95	0.91	1.08
2,3,7,8-TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
Total TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
37Cl-2,3,7,8-TCDD	2.261	0.218	9.64 %	2.41	2.04	2.16	2.14	2.56
13C-1,2,3,7,8-PeCDF	1.050	0.149	14.1 %	0.97	0.97	1.01	0.98	1.31
1,2,3,7,8-PeCDF	1.045	0.049	4.68 %	0.97	1.02	1.09	1.09	1.06
2,3,4,7,8-PeCDF	0.982	0.045	4.55 %	0.93	0.97	1.03	1.02	0.96
Total F2 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
Total F1 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
13C-1,2,3,7,8-PeCDD	0.670	0.094	14.0 %	0.61	0.65	0.62	0.64	0.84
1,2,3,7,8-PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
Total PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.025	0.075	7.29 %	1.08	0.98	1.08	0.92	1.06
1,2,3,4,7,8-HxCDF	1.213	0.061	5.00 %	1.12	1.18	1.25	1.28	1.23
1,2,3,6,7,8-HxCDF	1.343	0.096	7.13 %	1.20	1.34	1.46	1.38	1.33
2,3,4,6,7,8-HxCDF	1.222	0.064	5.27 %	1.13	1.19	1.29	1.26	1.23
1,2,3,7,8,9-HxCDF	1.092	0.072	6.60 %	1.02	1.02	1.15	1.17	1.10
Total HxCDF	1.218	0.070	5.72 %	1.12	1.18	1.29	1.27	1.22
13C-1,2,3,6,7,8-HxCDD	0.807	0.060	7.46 %	0.81	0.77	0.86	0.72	0.87
1,2,3,4,7,8-HxCDD	1.007	0.056	5.54 %	0.93	1.02	1.04	1.07	0.98

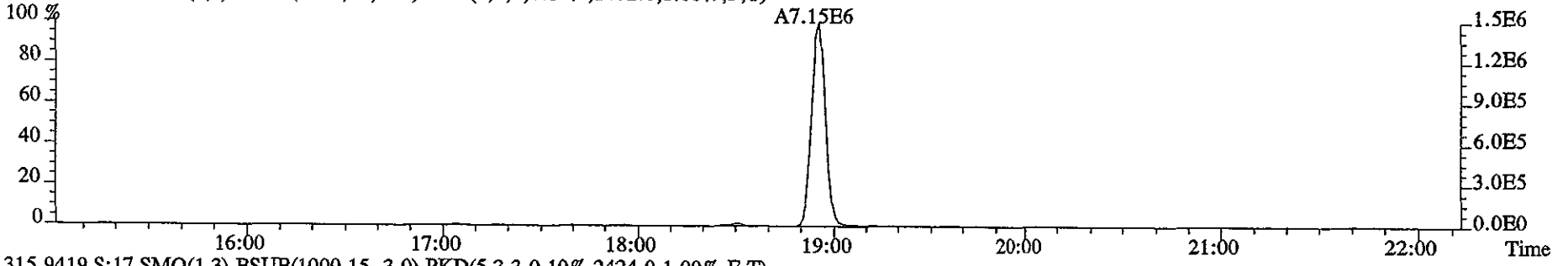
1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
13C-1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDF	1.310	0.072	5.52 %	1.20	1.28	1.39	1.36	1.32
1,2,3,4,7,8,9-HpCDF	1.026	0.053	5.19 %	0.95	1.00	1.09	1.06	1.03
Total HpCDF	1.168	0.063	5.36 %	1.08	1.14	1.24	1.21	1.18
13C-1,2,3,4,6,7,8-HpCDD	0.697	0.052	7.39 %	0.71	0.67	0.77	0.64	0.71
1,2,3,4,6,7,8-HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
Total HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
13C-OCDD	0.531	0.041	7.69 %	0.53	0.49	0.58	0.49	0.57
OCDF	1.445	0.085	5.85 %	1.32	1.39	1.51	1.50	1.50
OCDD	1.166	0.060	5.16 %	1.08	1.14	1.23	1.21	1.17

File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A

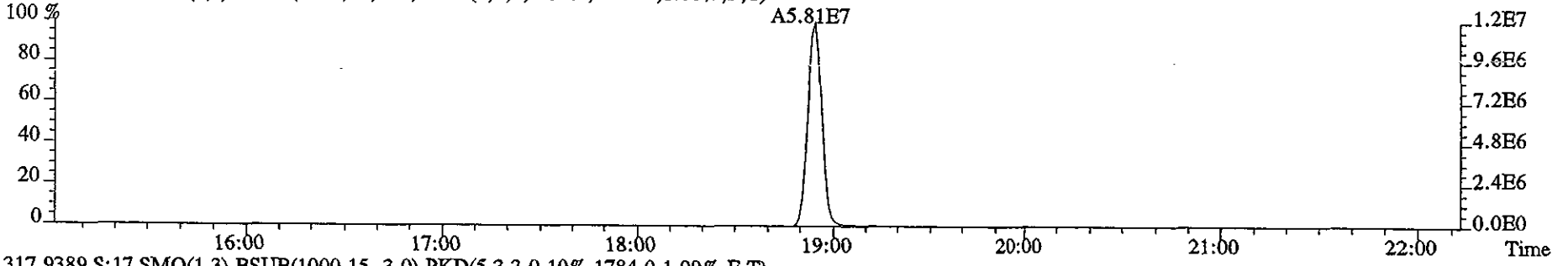
303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1200.0,1.00%,F,T)



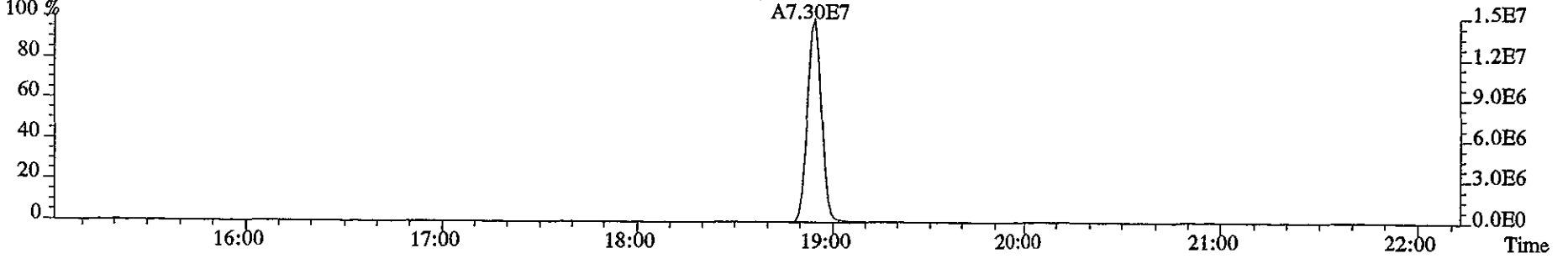
305.8987 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1472.0,1.00%,F,T)



315.9419 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)

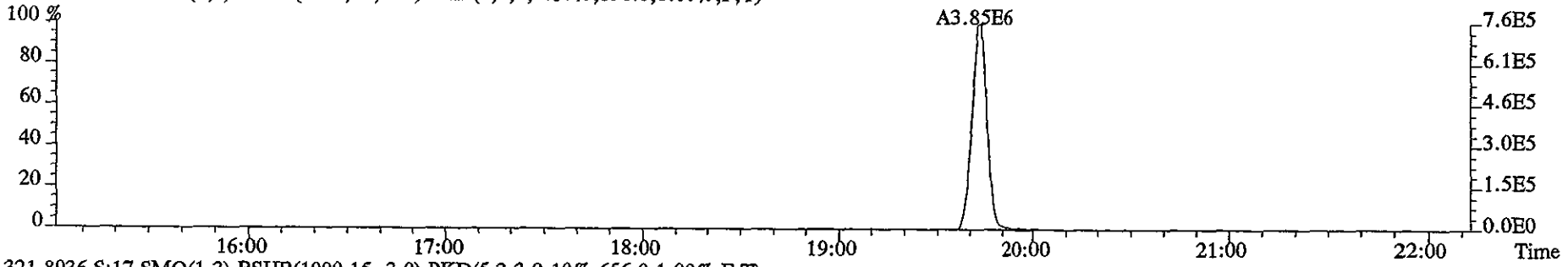


317.9389 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1784.0,1.00%,F,T)

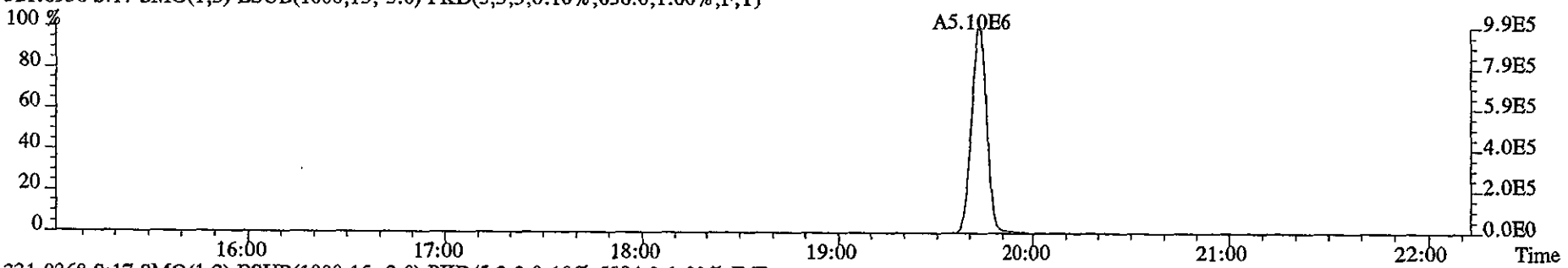


File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A

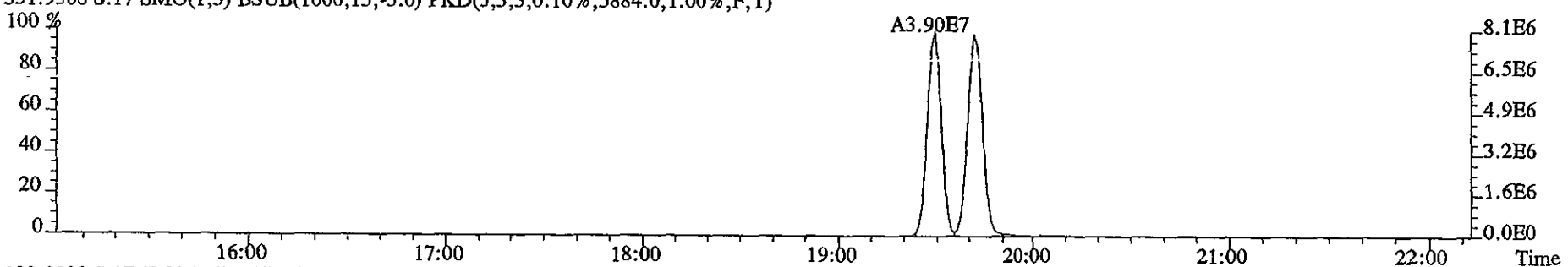
319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)



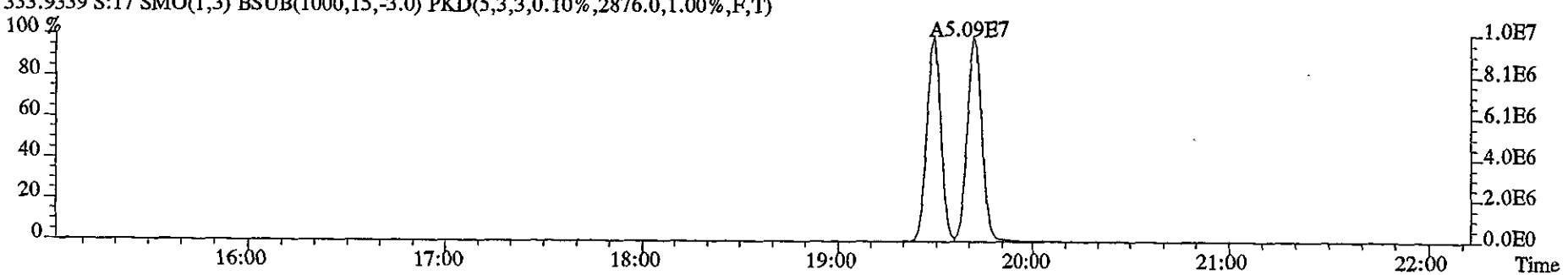
321.8936 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,656.0,1.00%,F,T)



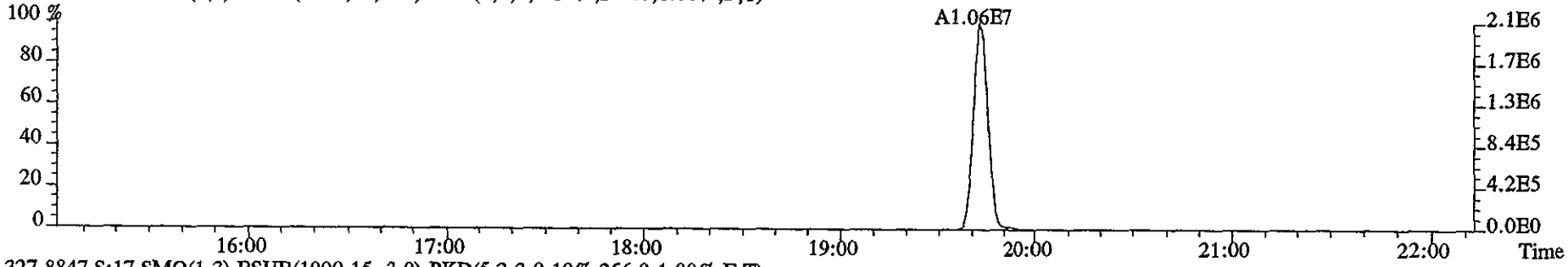
331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5884.0,1.00%,F,T)



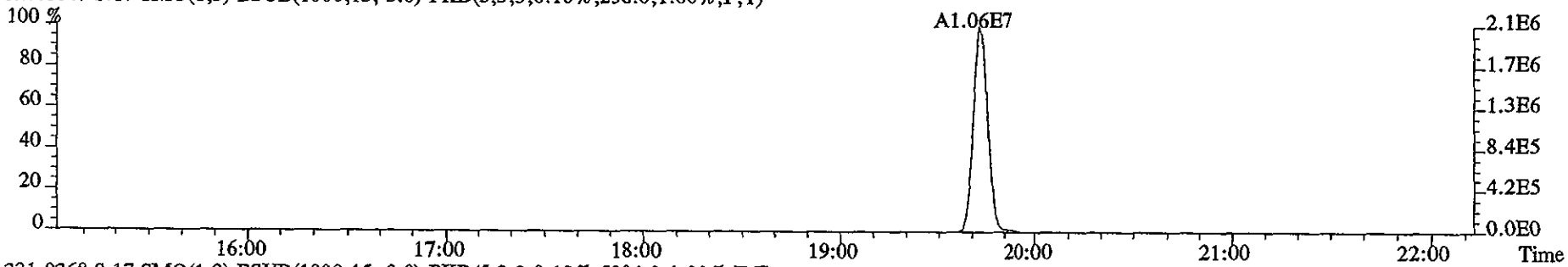
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2876.0,1.00%,F,T)



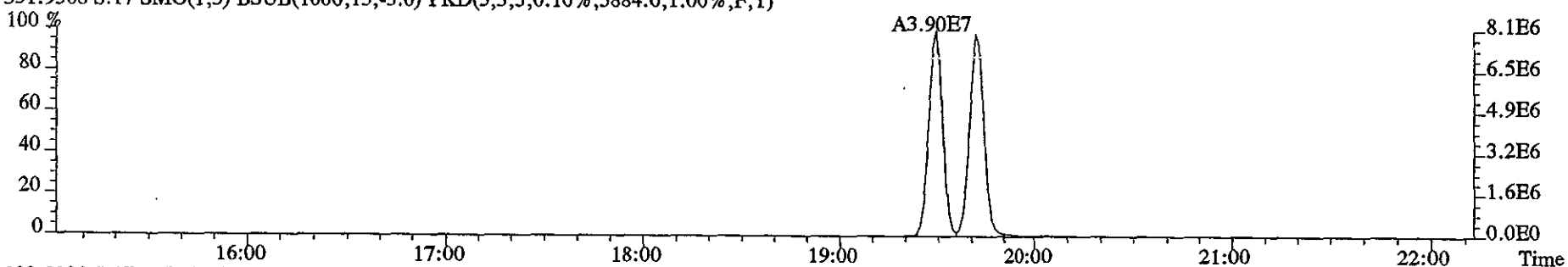
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
327.8847 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,256.0,1.00%,F,T)



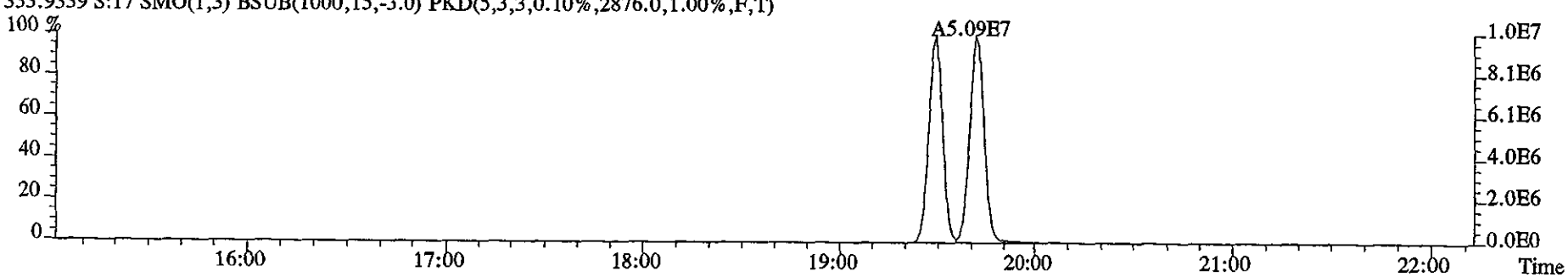
327.8847 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,256.0,1.00%,F,T)



331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5884.0,1.00%,F,T)

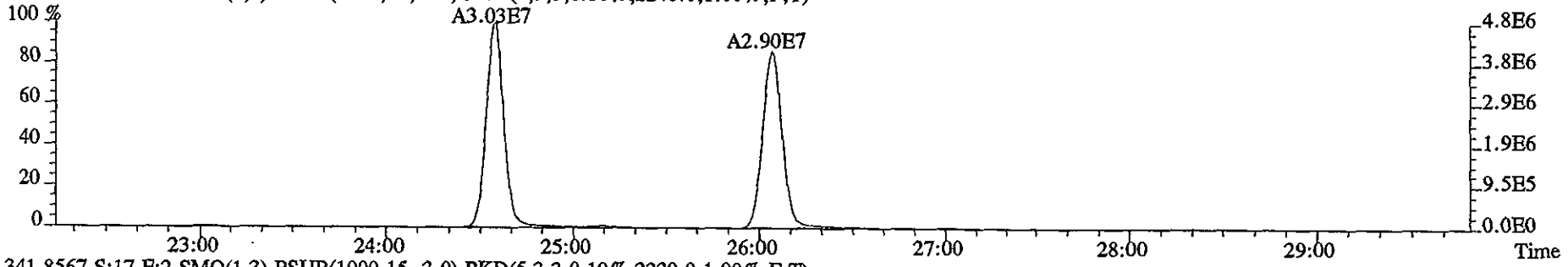


333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2876.0,1.00%,F,T)

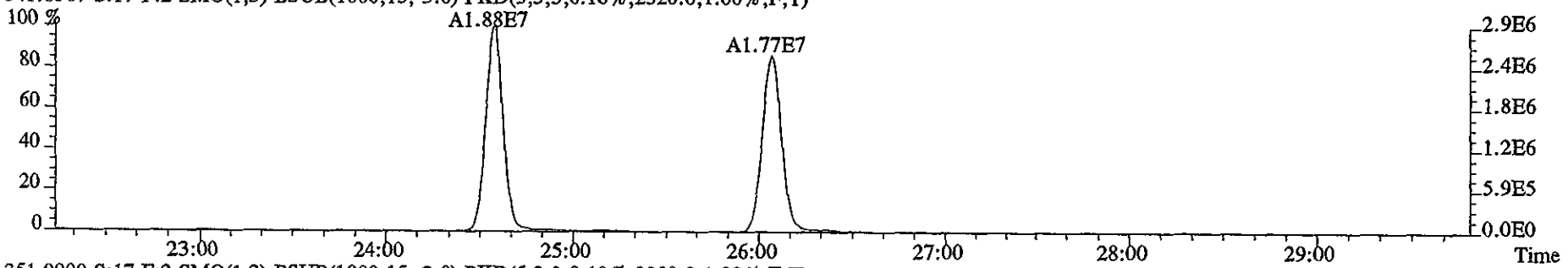


File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A

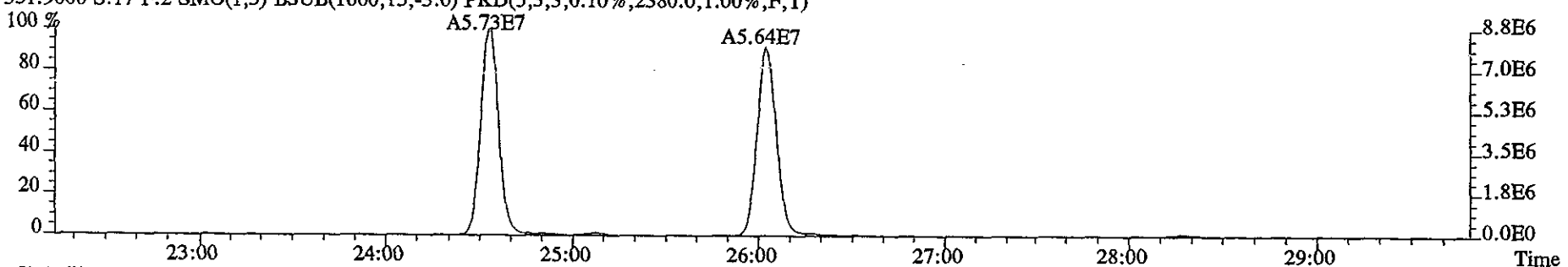
339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)



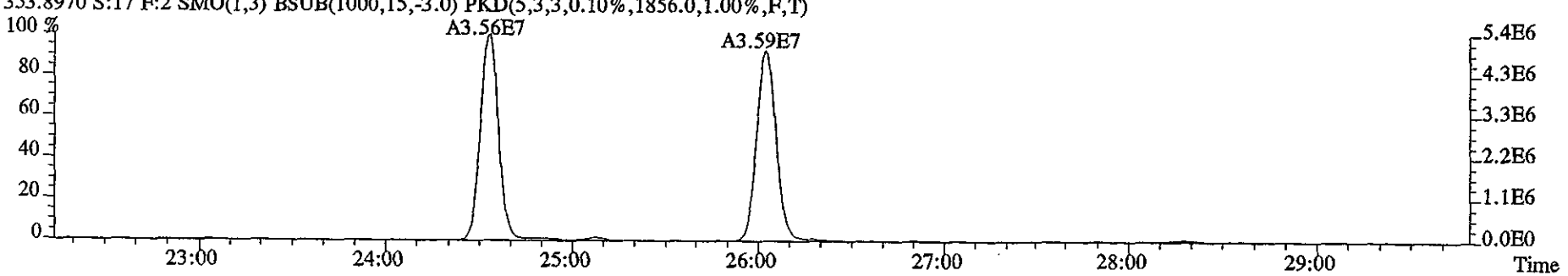
341.8567 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2320.0,1.00%,F,T)



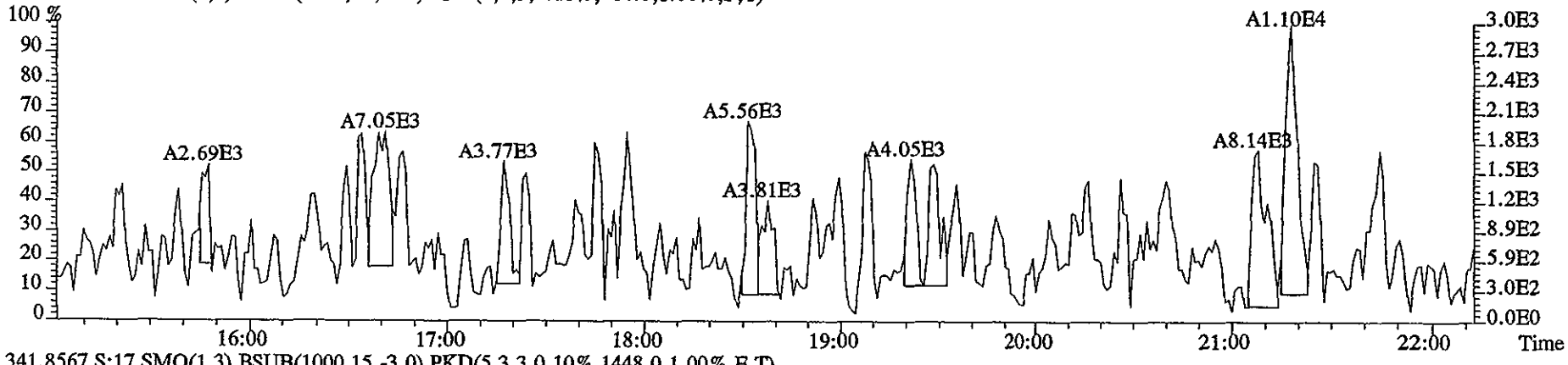
351.9000 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2380.0,1.00%,F,T)



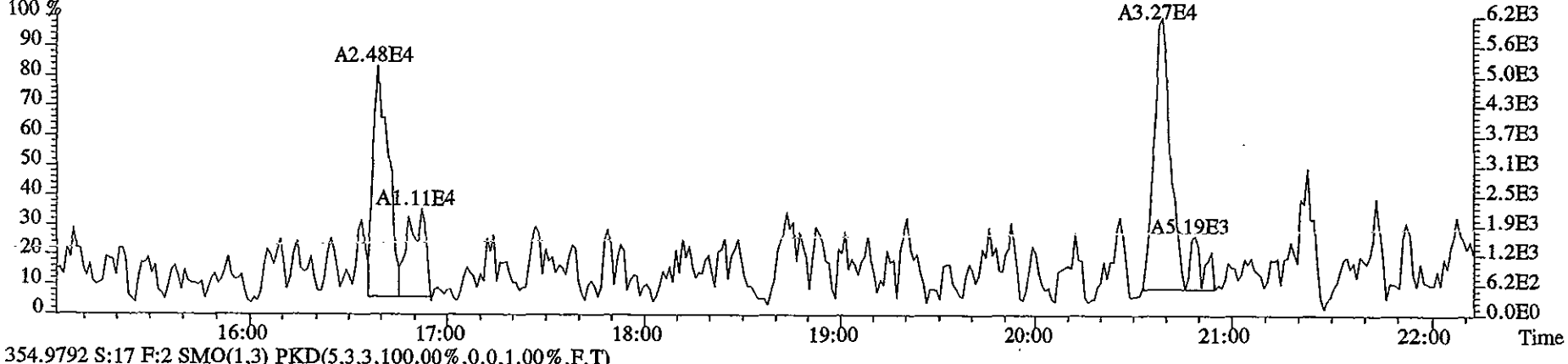
353.8970 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1856.0,1.00%,F,T)



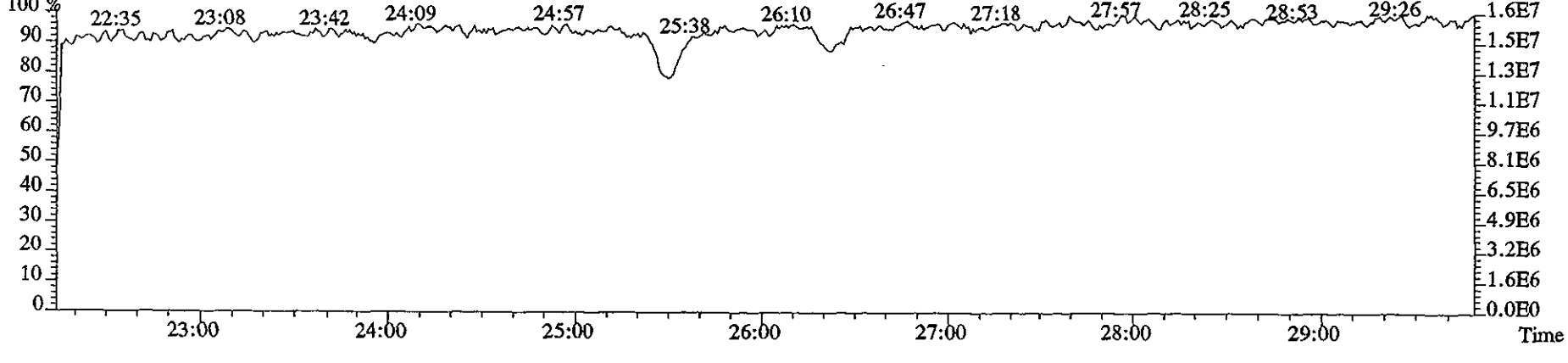
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



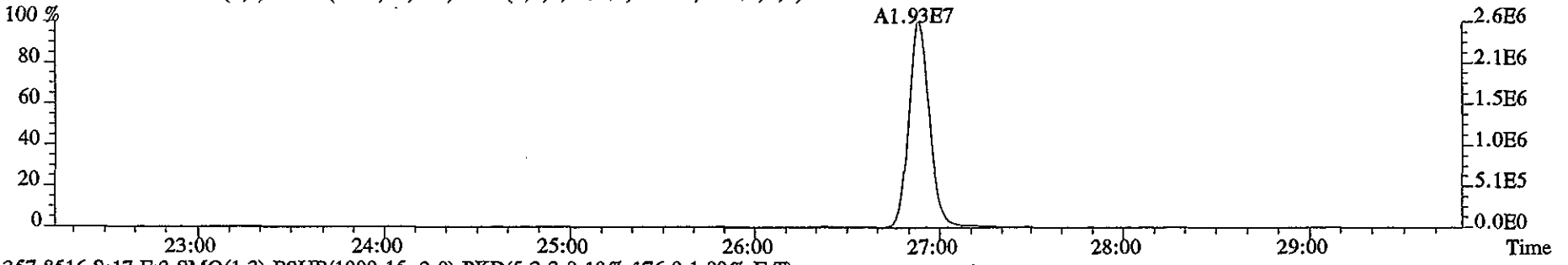
341.8567 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448.0,1.00%,F,T)



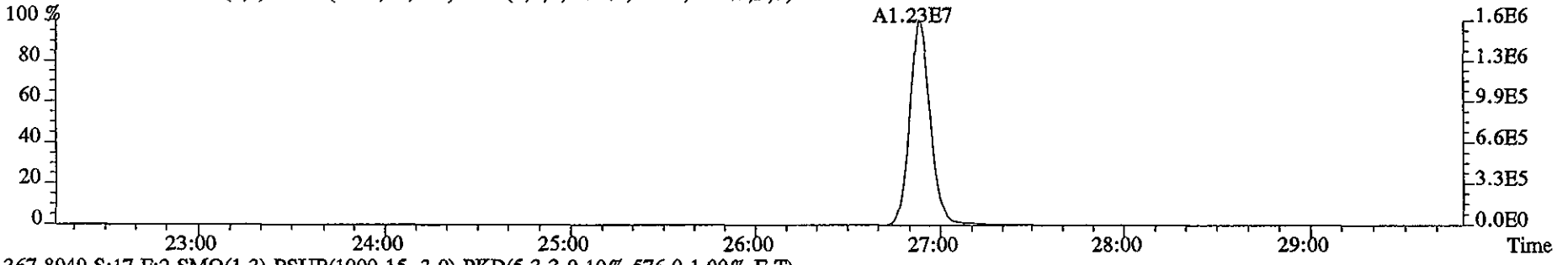
354.9792 S:17 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



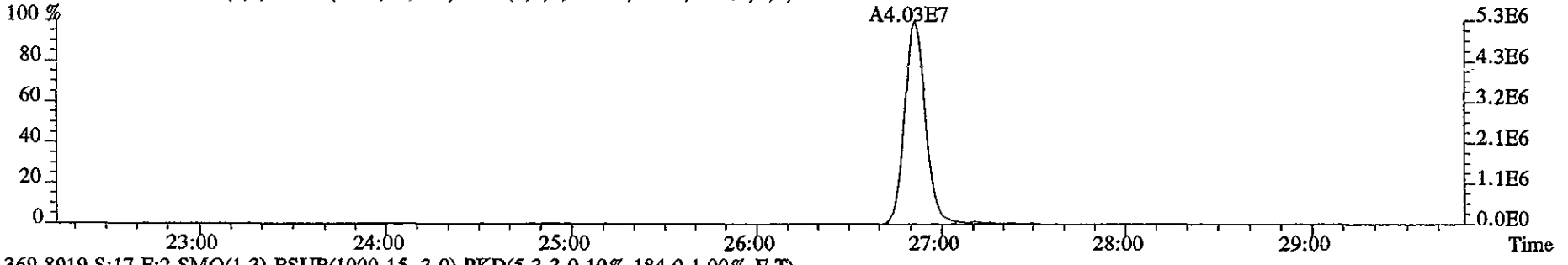
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
355.8546 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1020.0,1.00%,F,T)



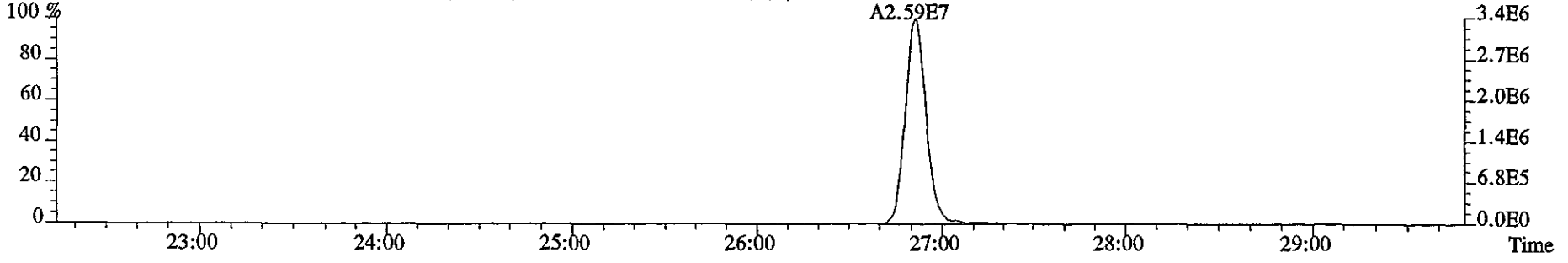
357.8516 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)



367.8949 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,576.0,1.00%,F,T)

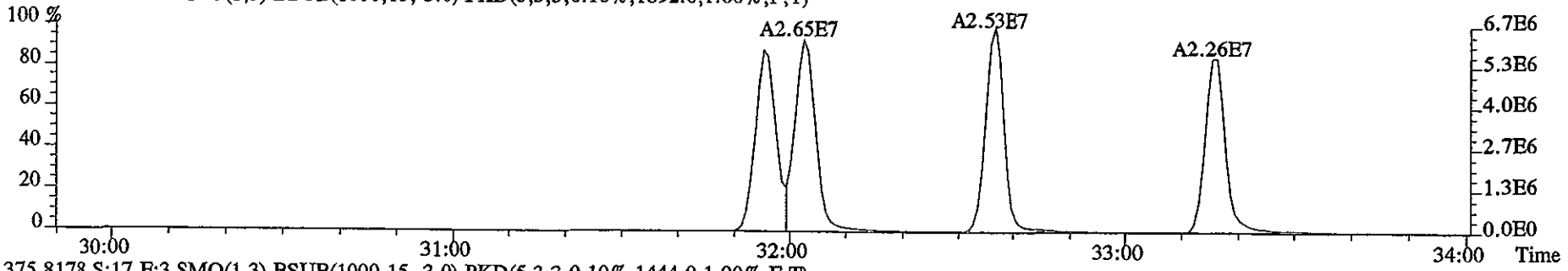


369.8919 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,184.0,1.00%,F,T)

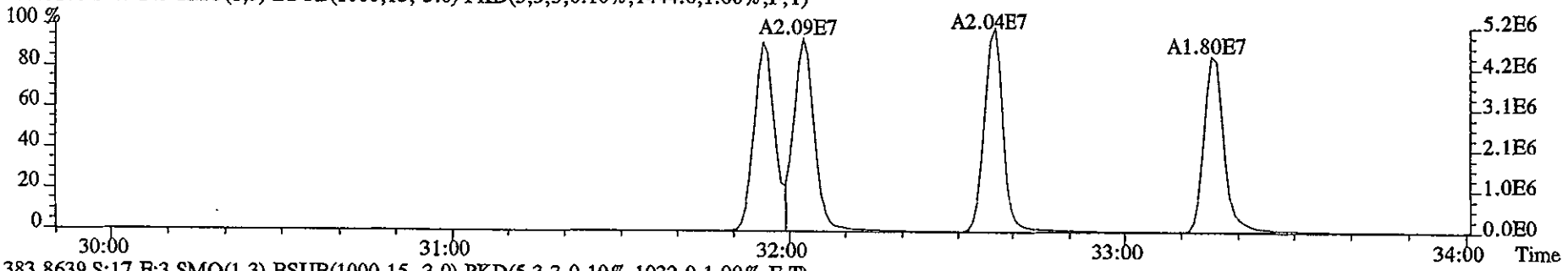


File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A

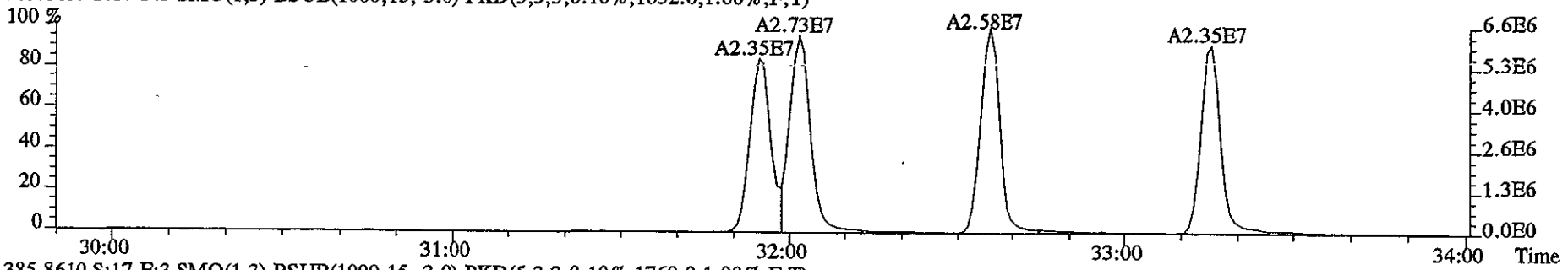
373.8208 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)



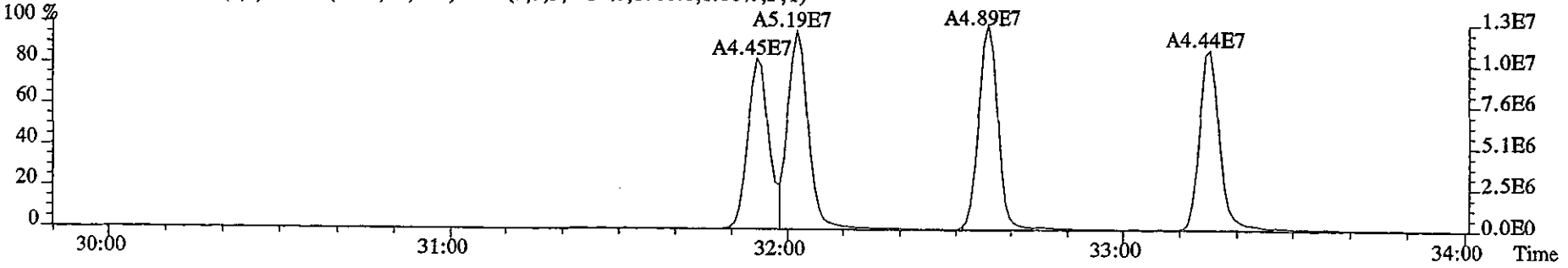
375.8178 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)



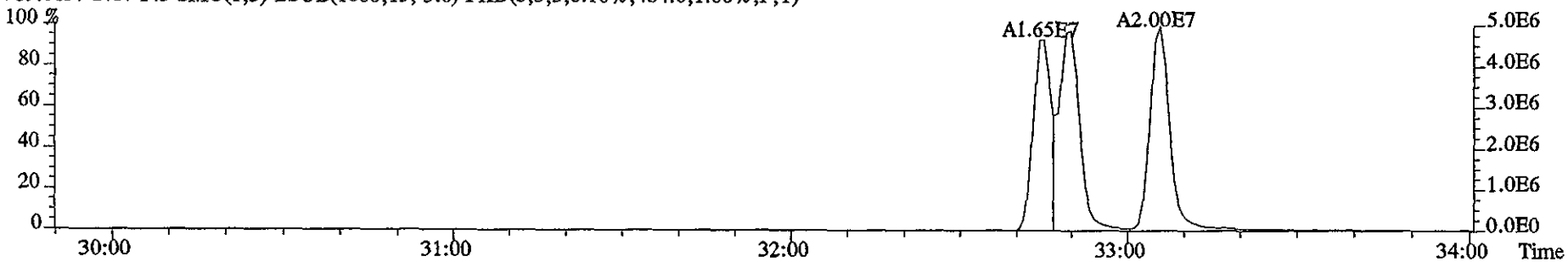
383.8639 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1032.0,1.00%,F,T)

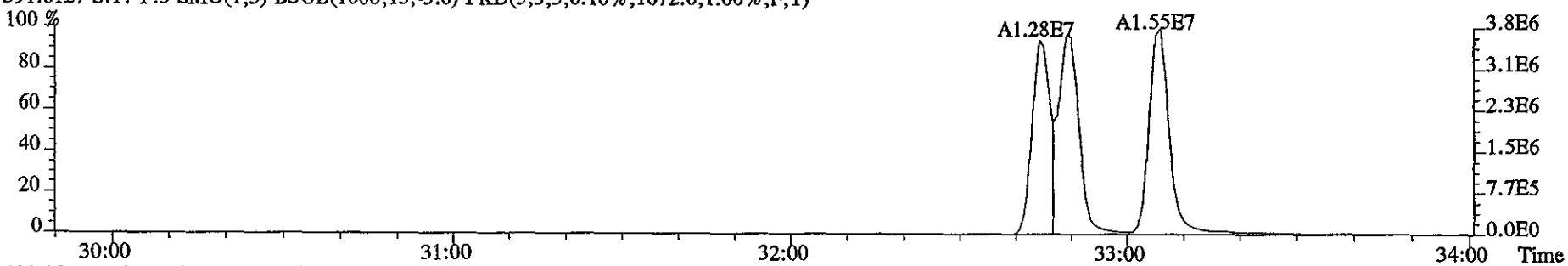


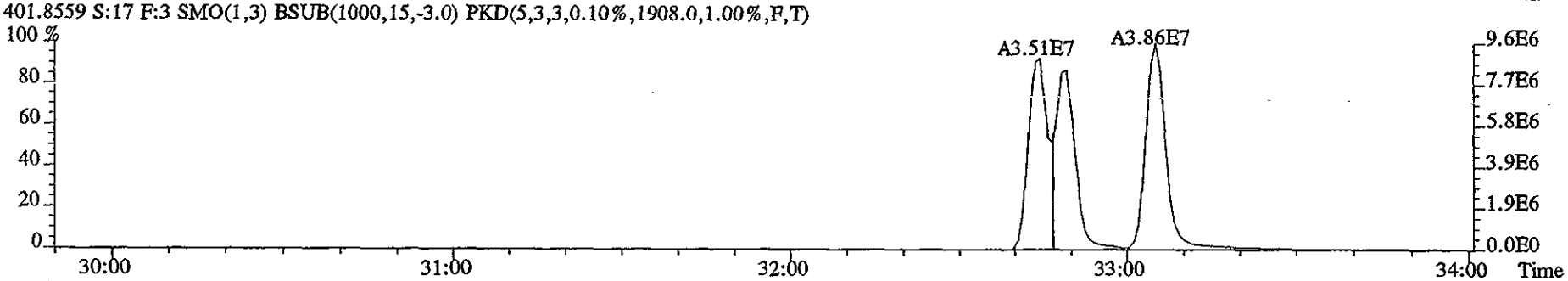
385.8610 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1768.0,1.00%,F,T)

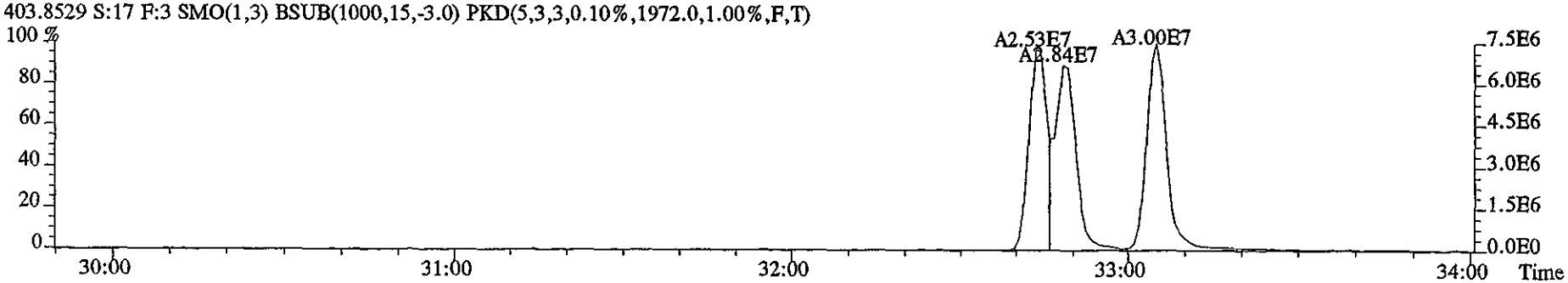


File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A

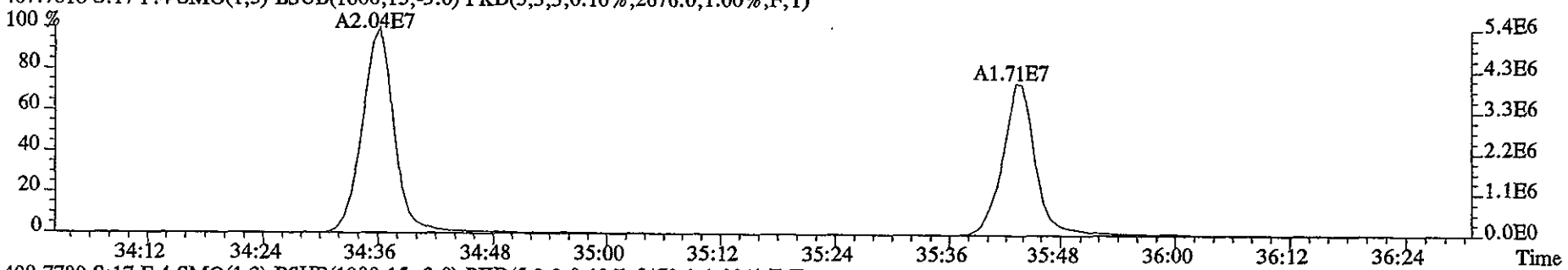


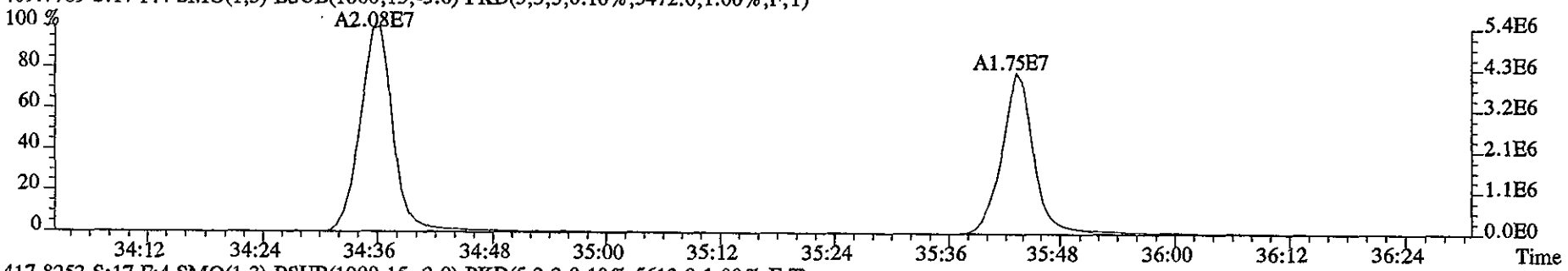


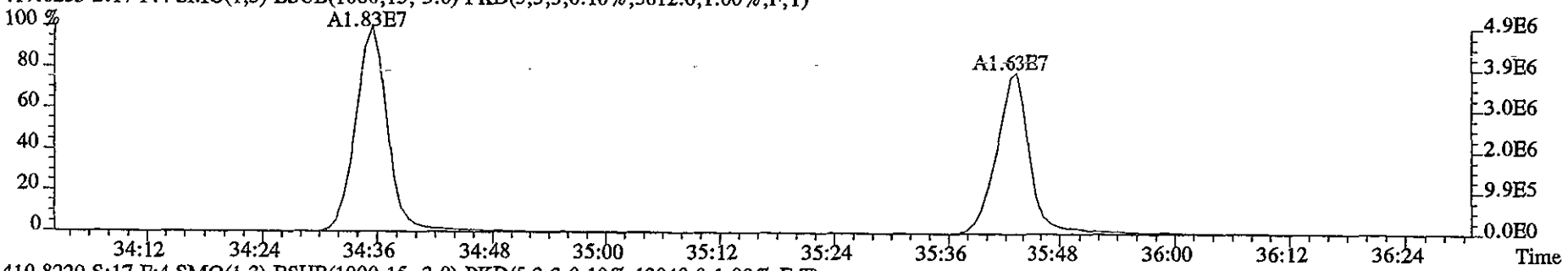


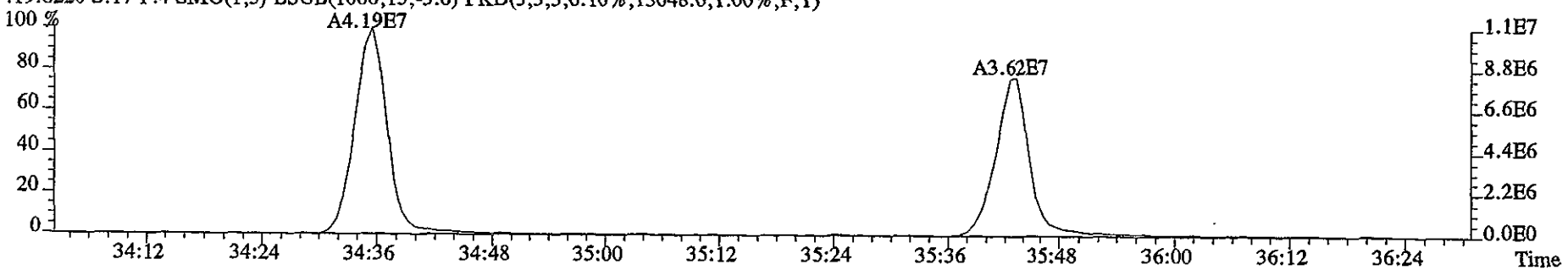


File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A

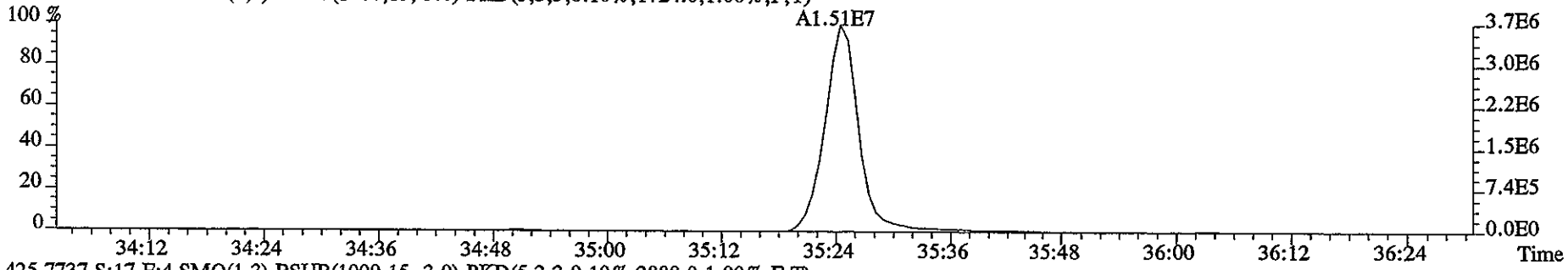




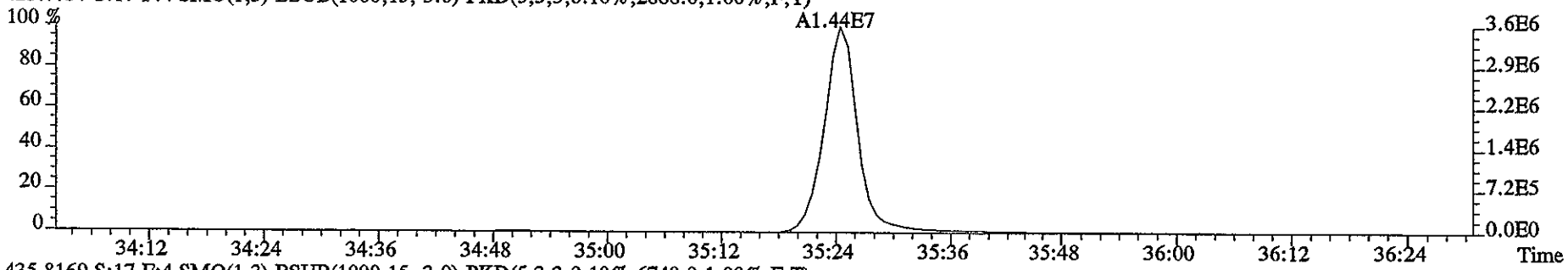




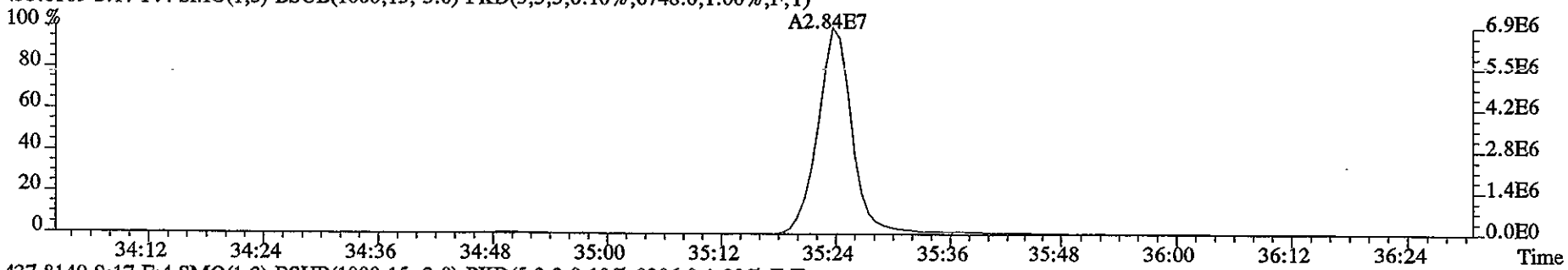
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
423.7766 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1724.0,1.00%,F,T)



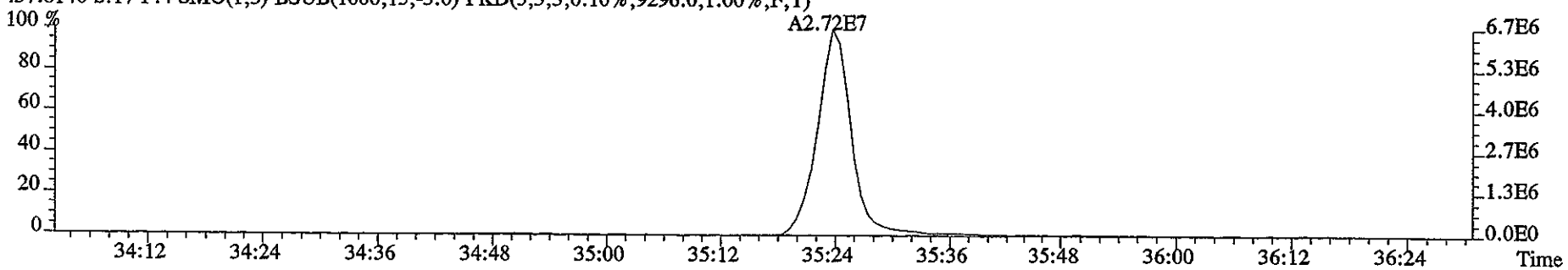
425.7737 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2888.0,1.00%,F,T)



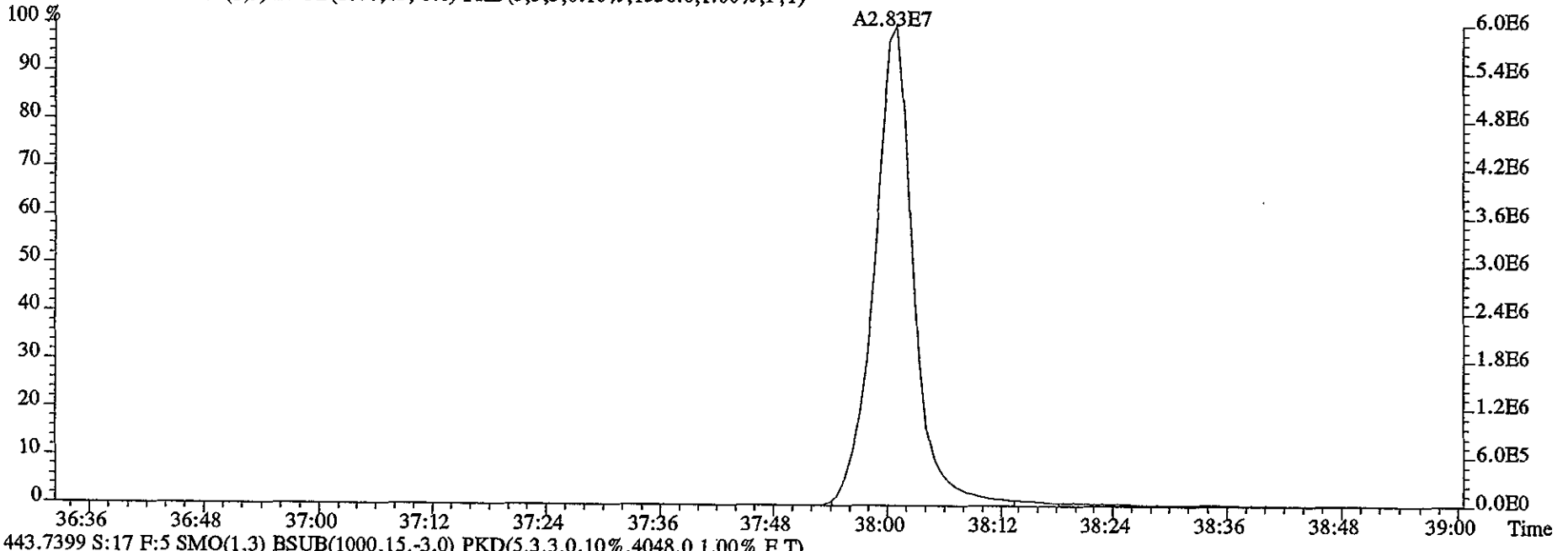
435.8169 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6748.0,1.00%,F,T)



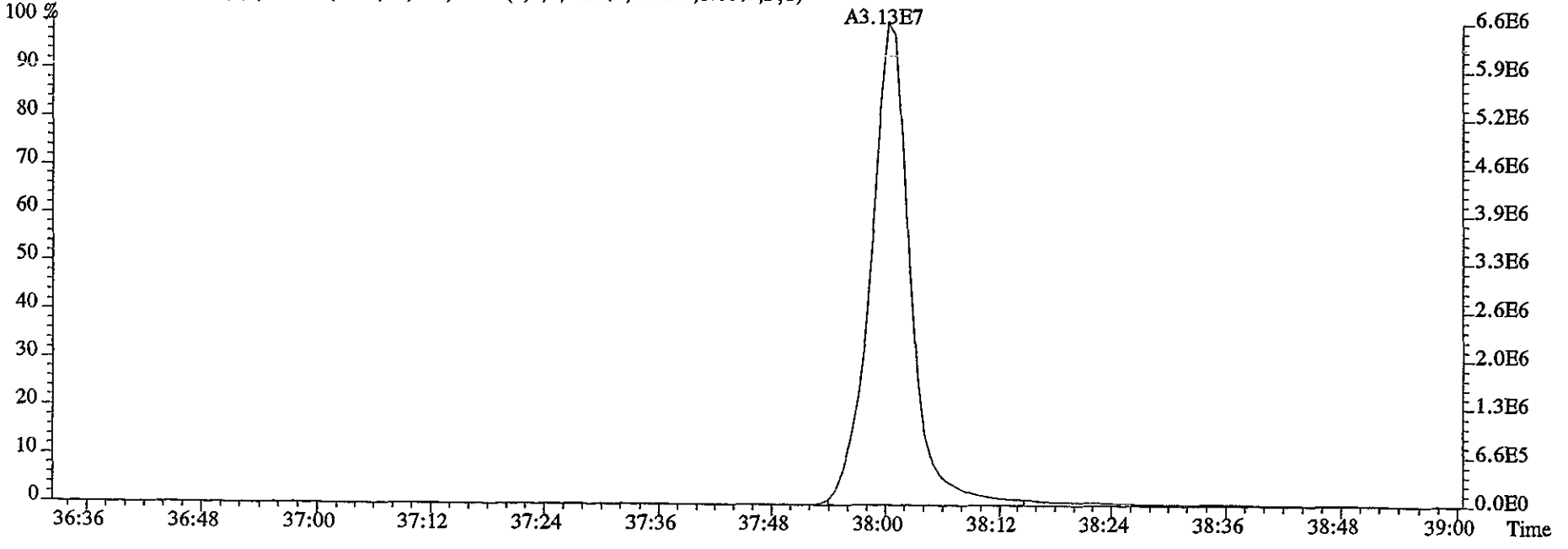
437.8140 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9296.0,1.00%,F,T)



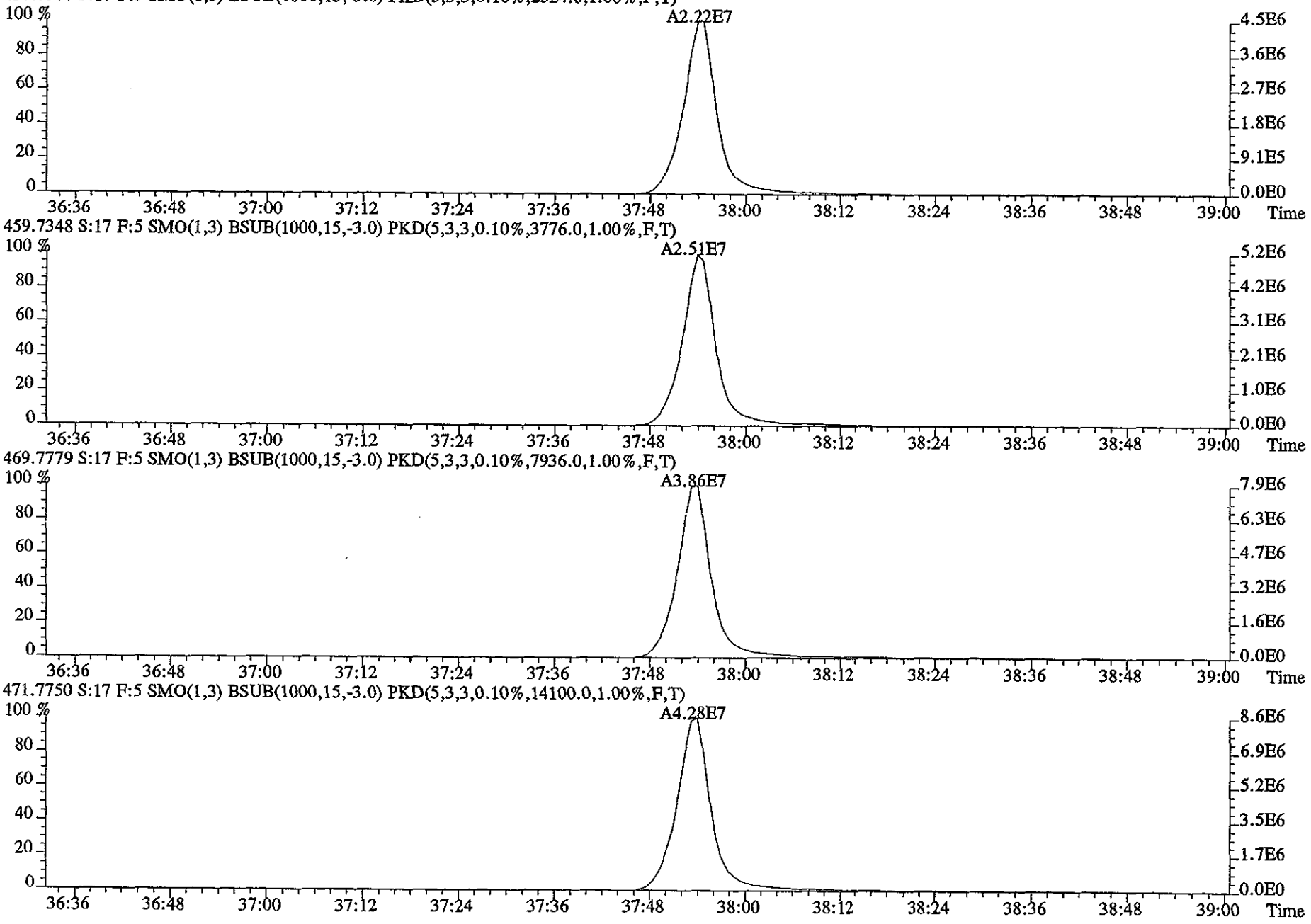
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1536.0,1.00%,F,T)



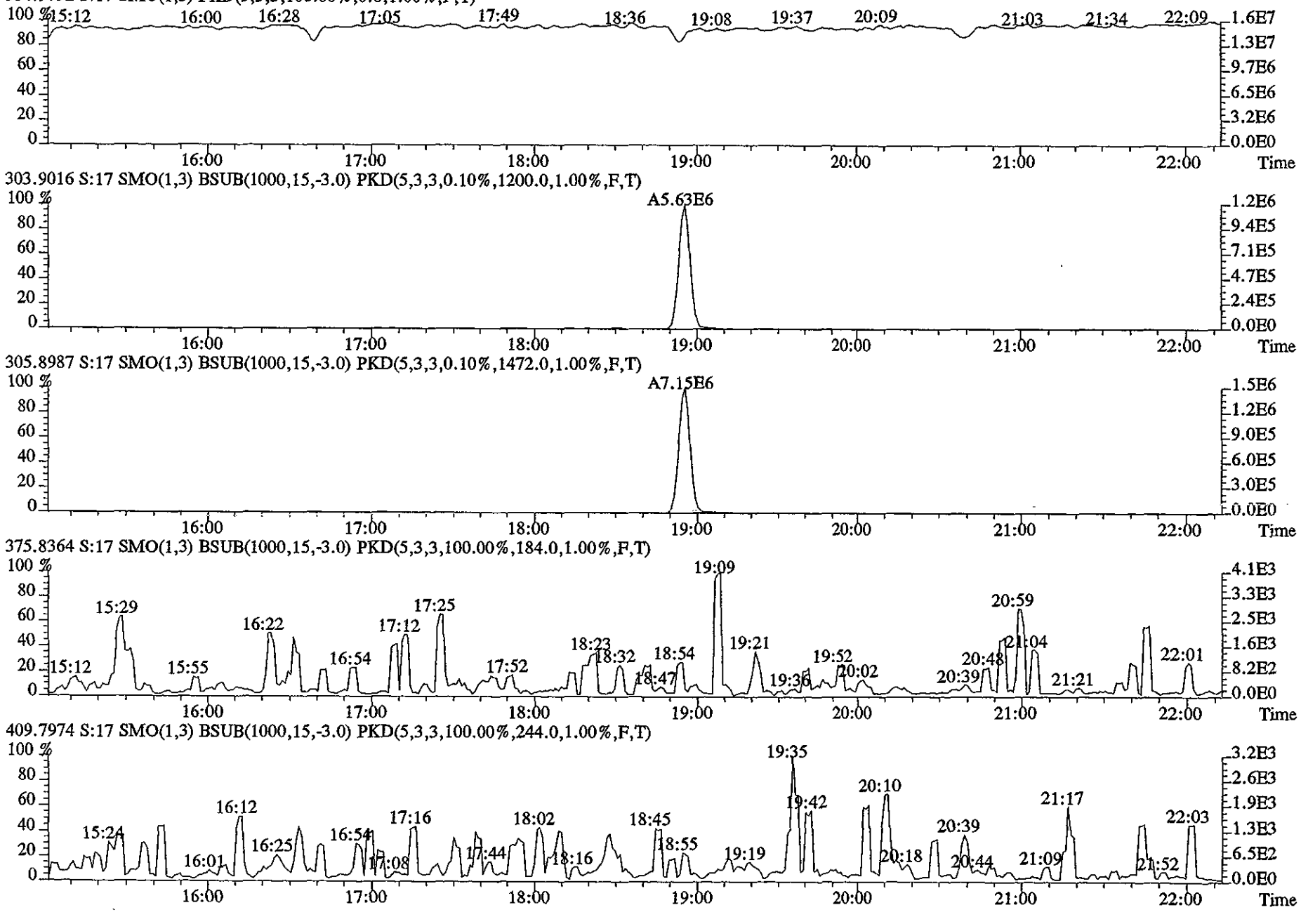
443.7399 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4048.0,1.00%,F,T)



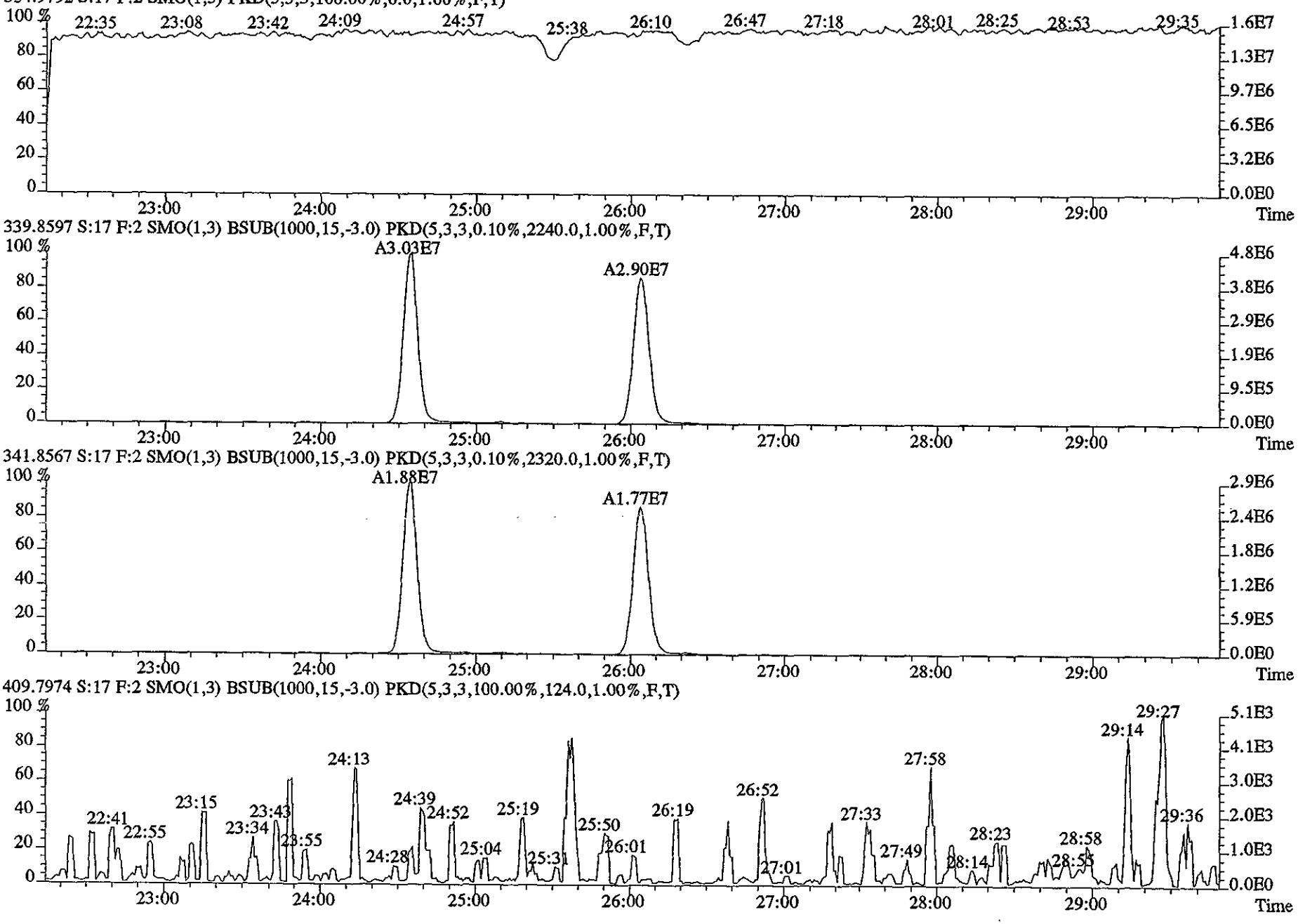
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A



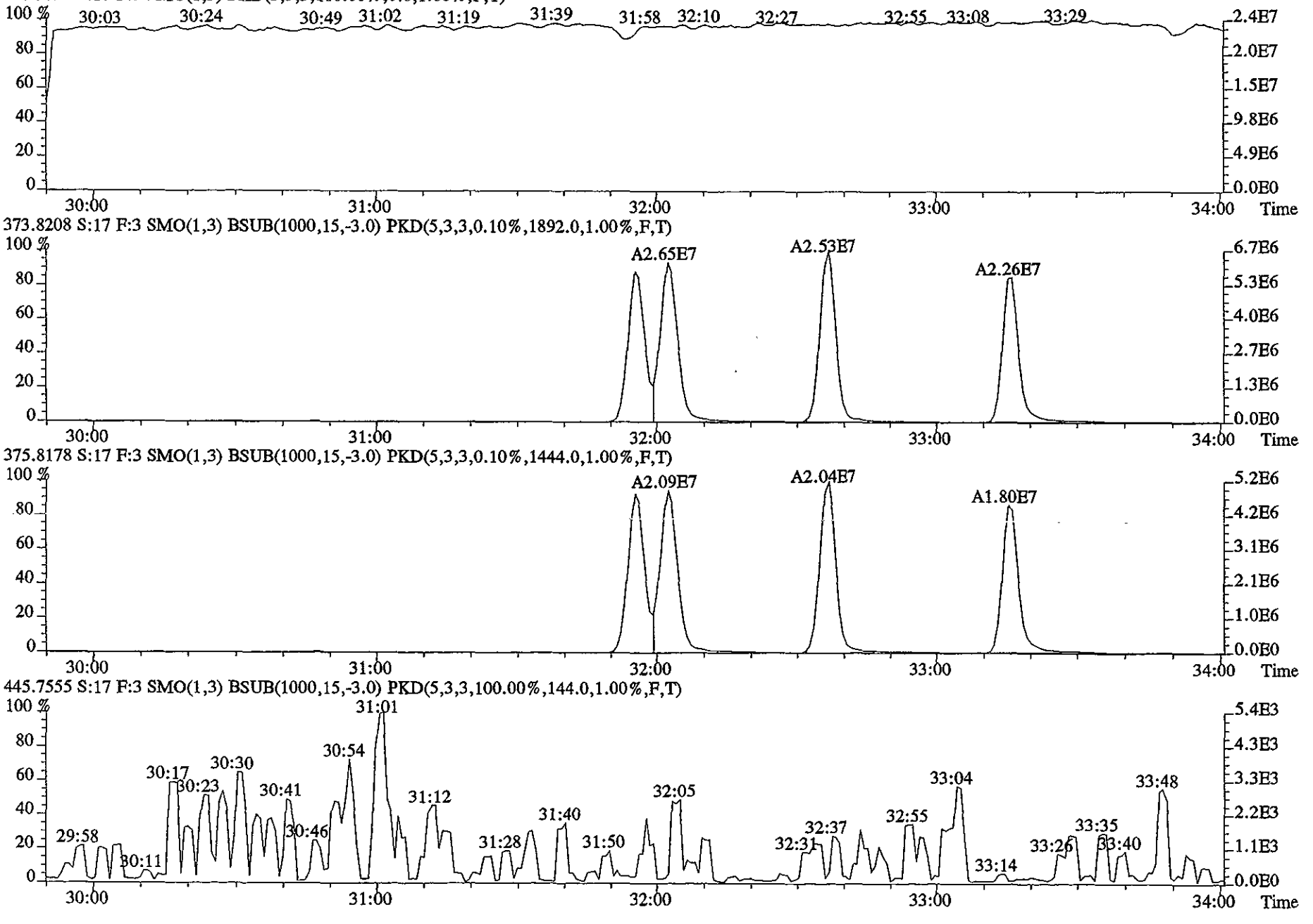
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A



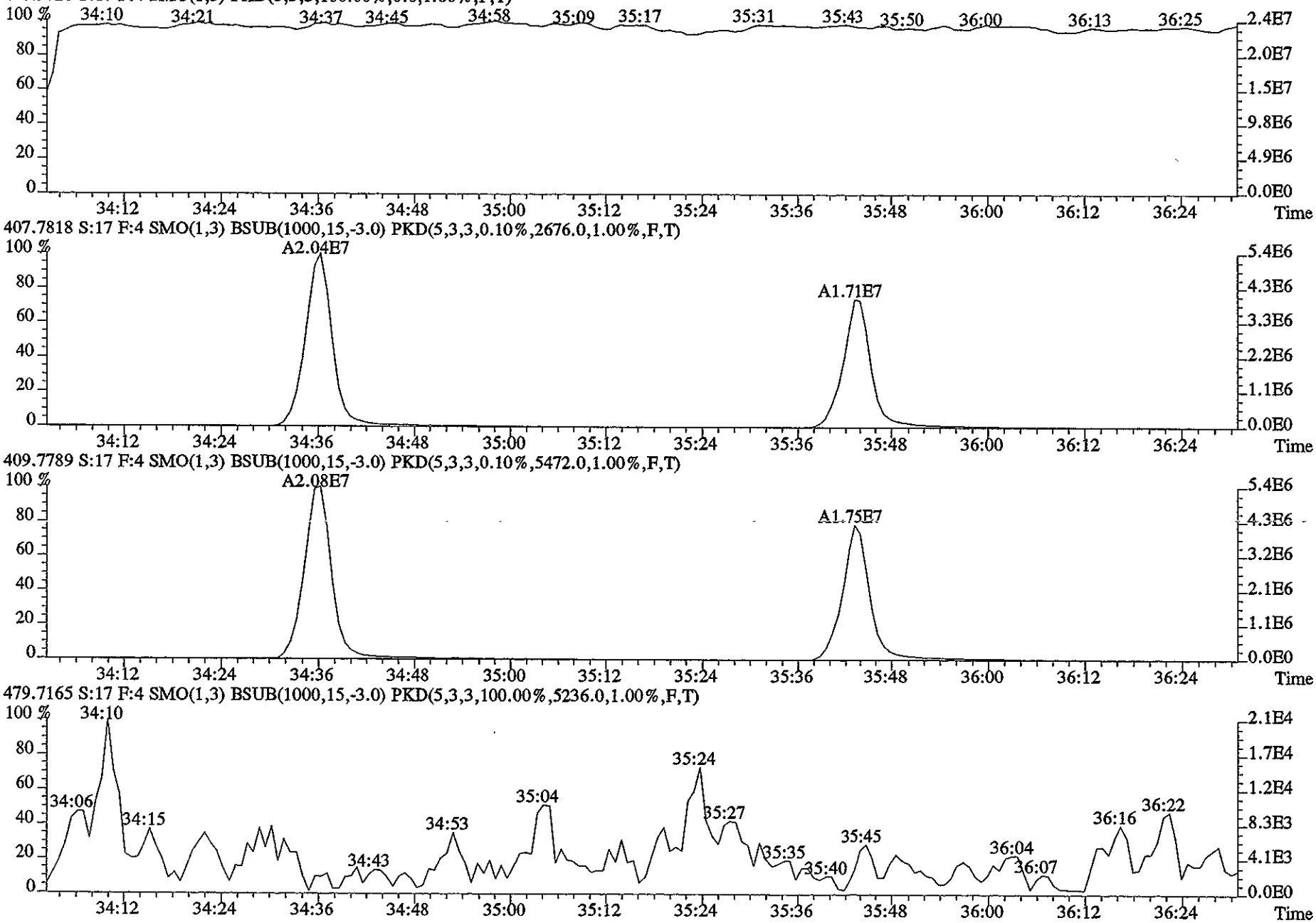
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A



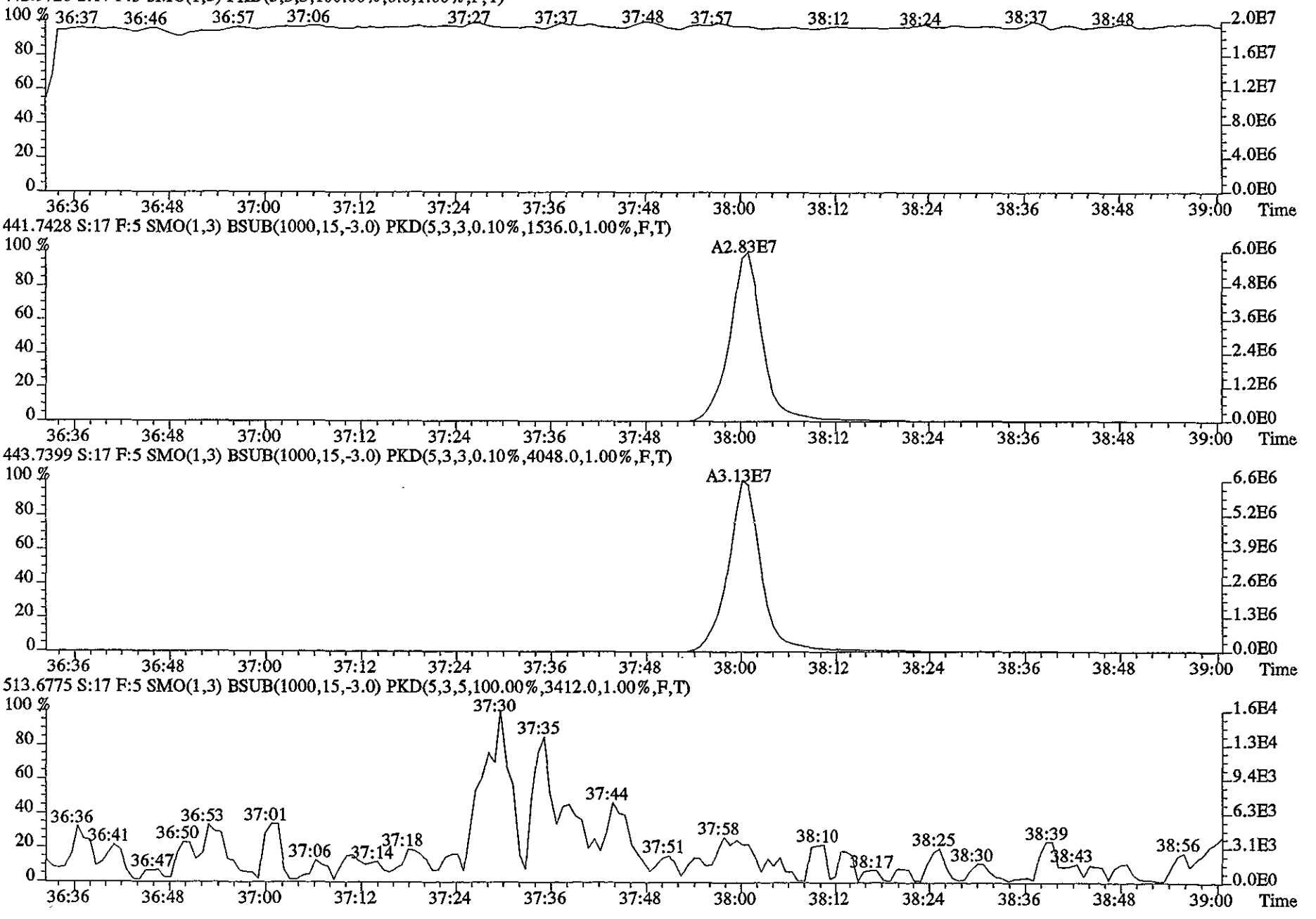
File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A



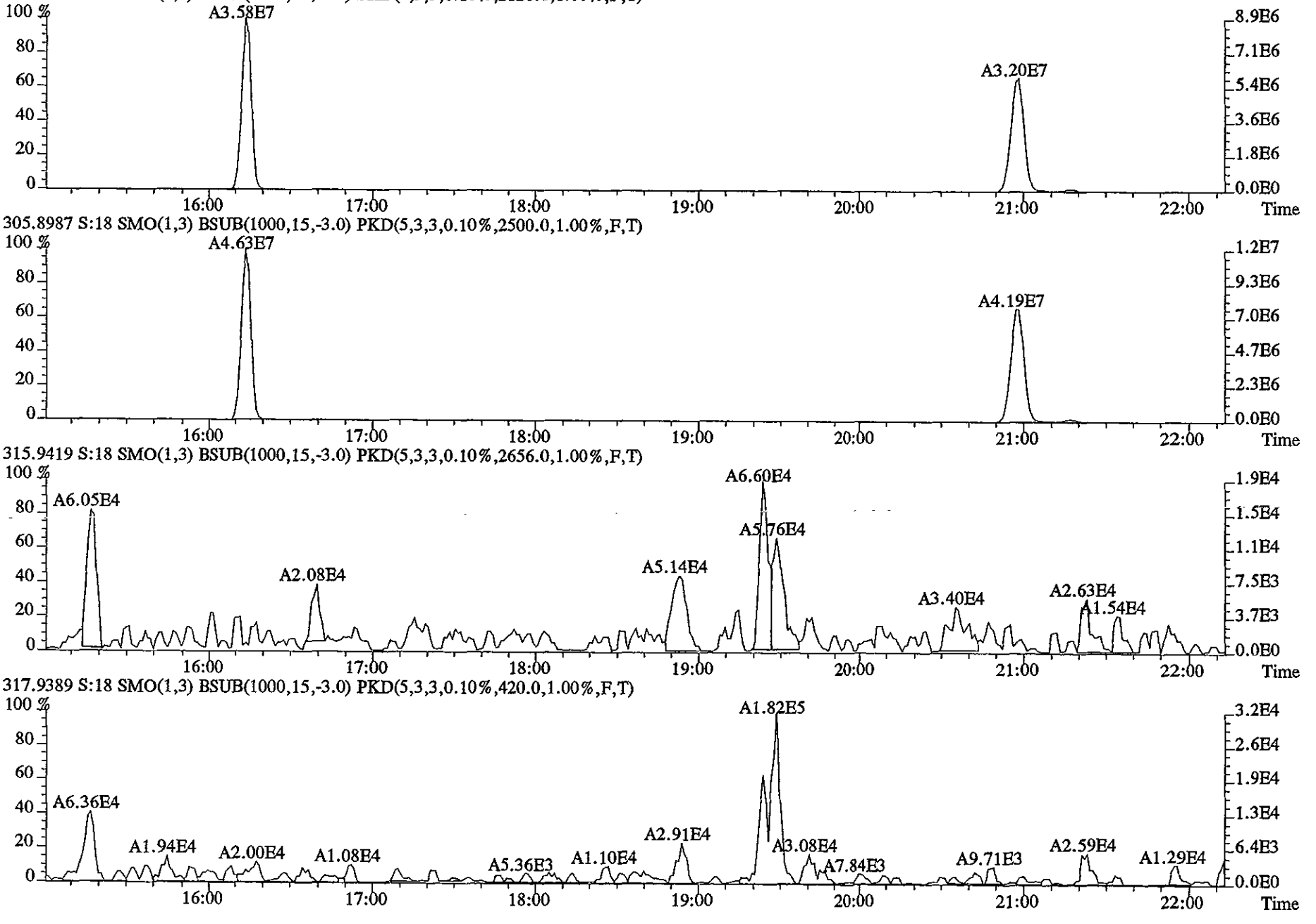
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A



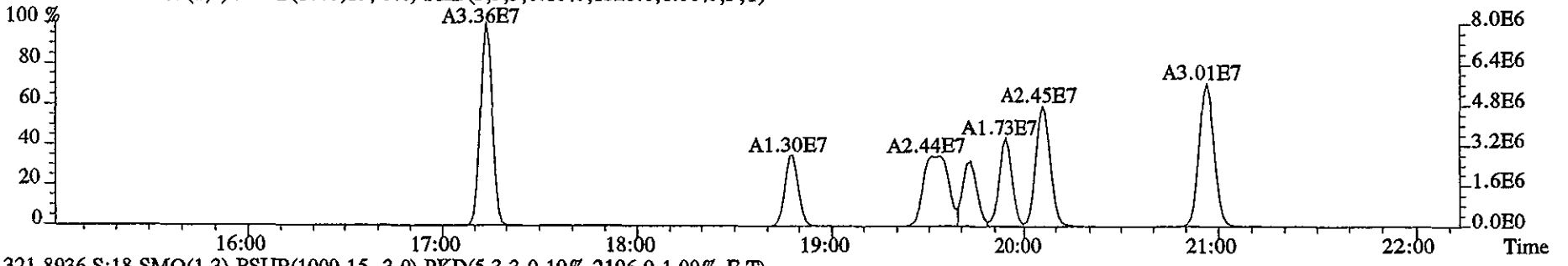
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A

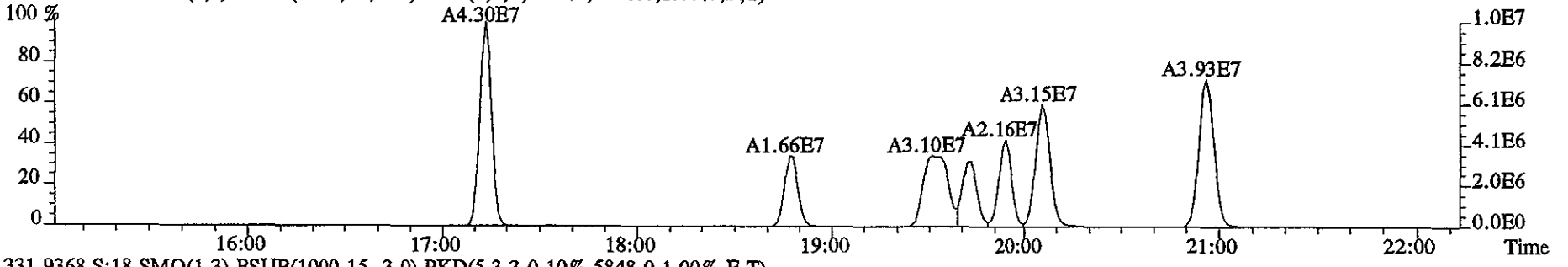


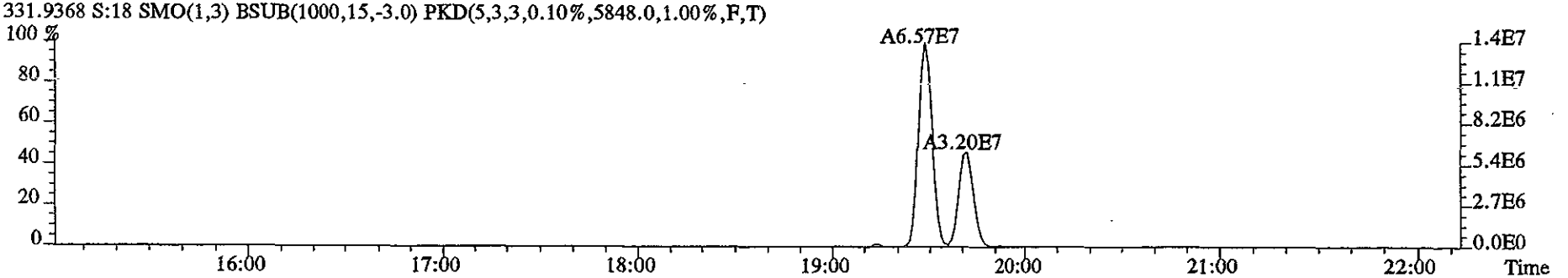
File:03MY10A4D5 #1-435 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

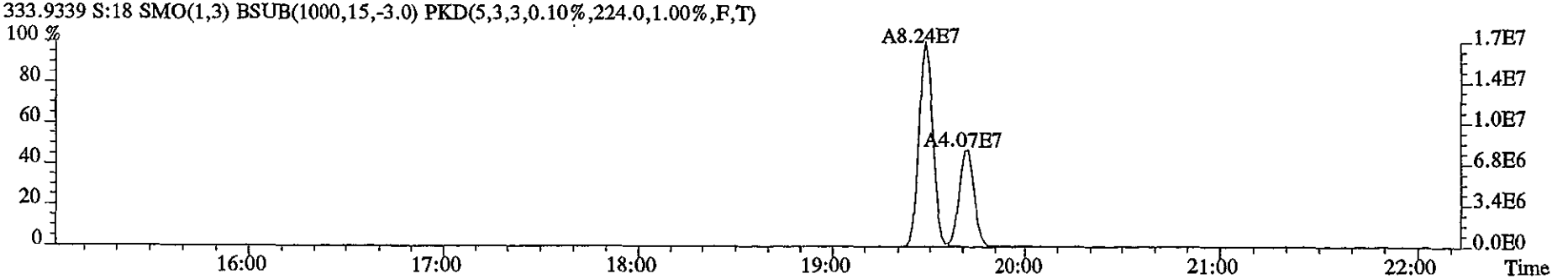


File:03MY10A4D5 #1-435 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

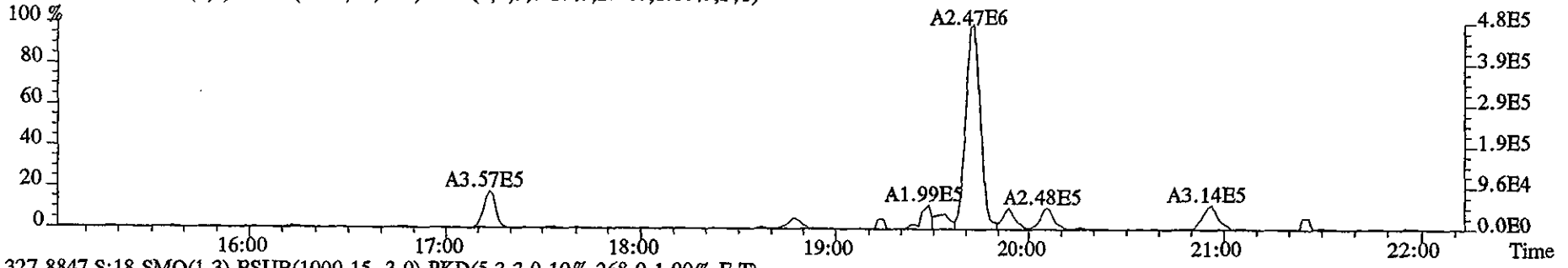




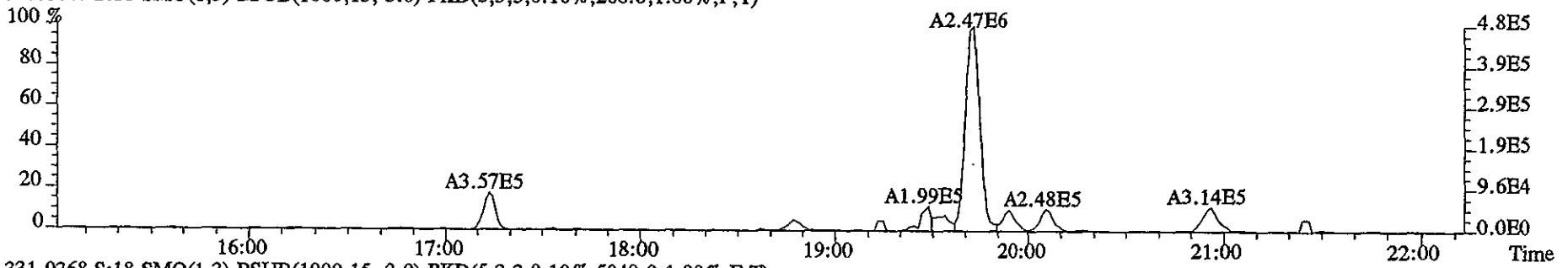




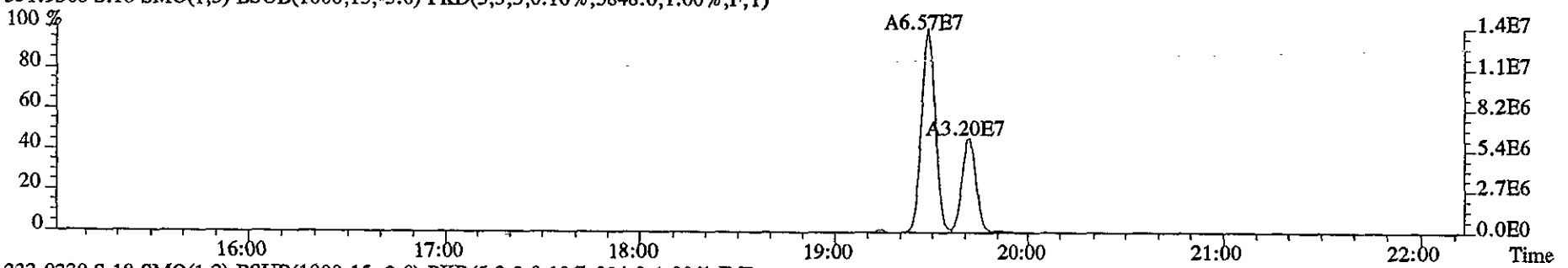
File:03MY10A4D5 #1-435 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,268.0,1.00%,F,T)



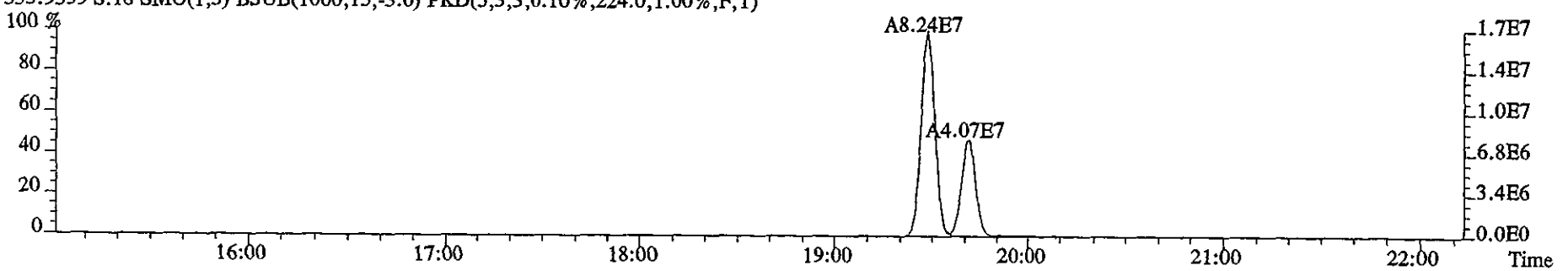
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,268.0,1.00%,F,T)



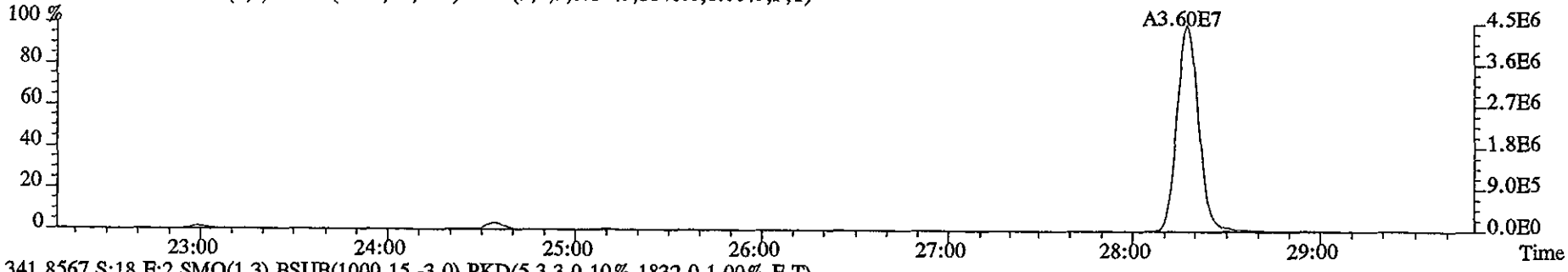
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5848.0,1.00%,F,T)



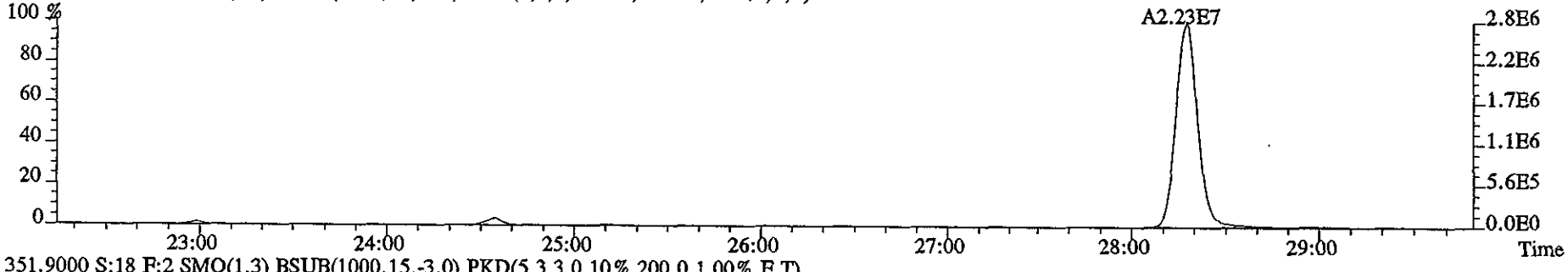
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,224.0,1.00%,F,T)



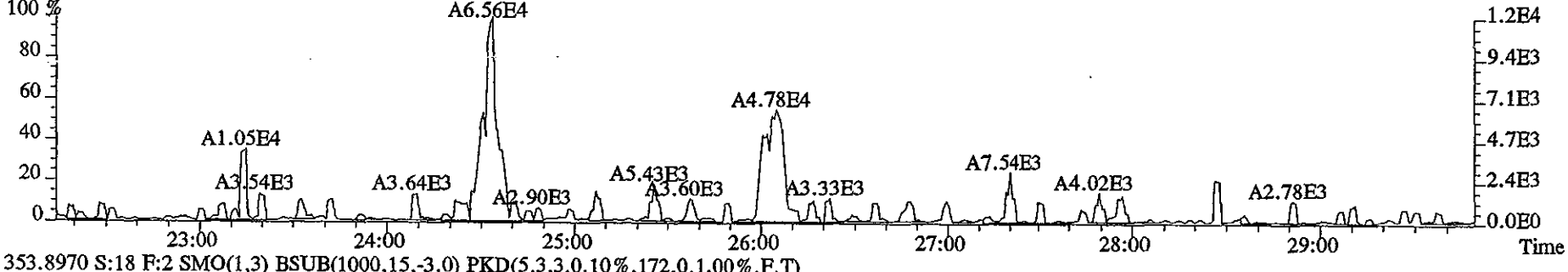
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1148.0,1.00%,F,T)



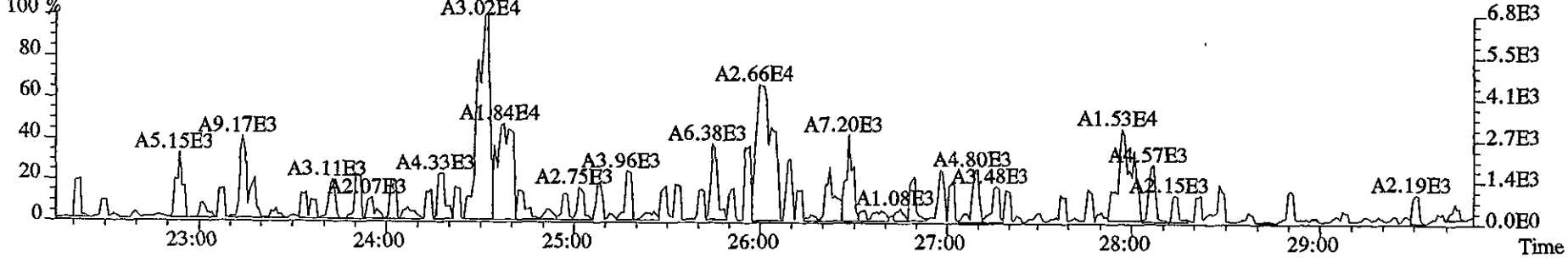
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



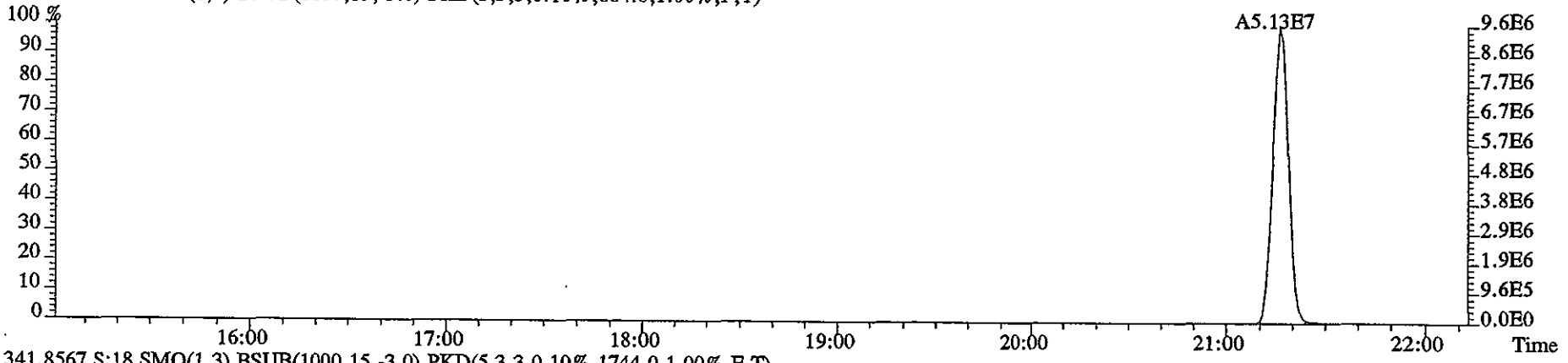
351.9000 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,200.0,1.00%,F,T)



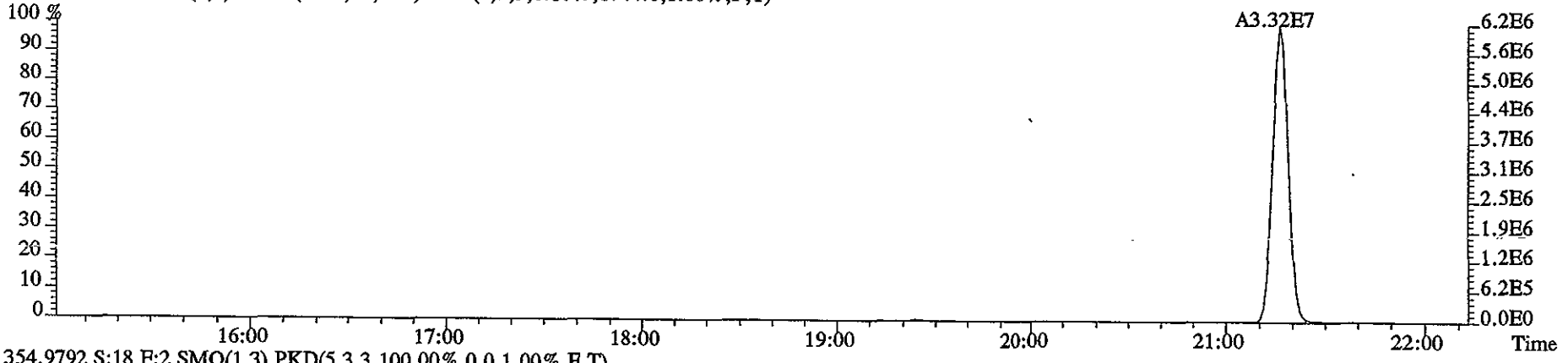
353.8970 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172.0,1.00%,F,T)



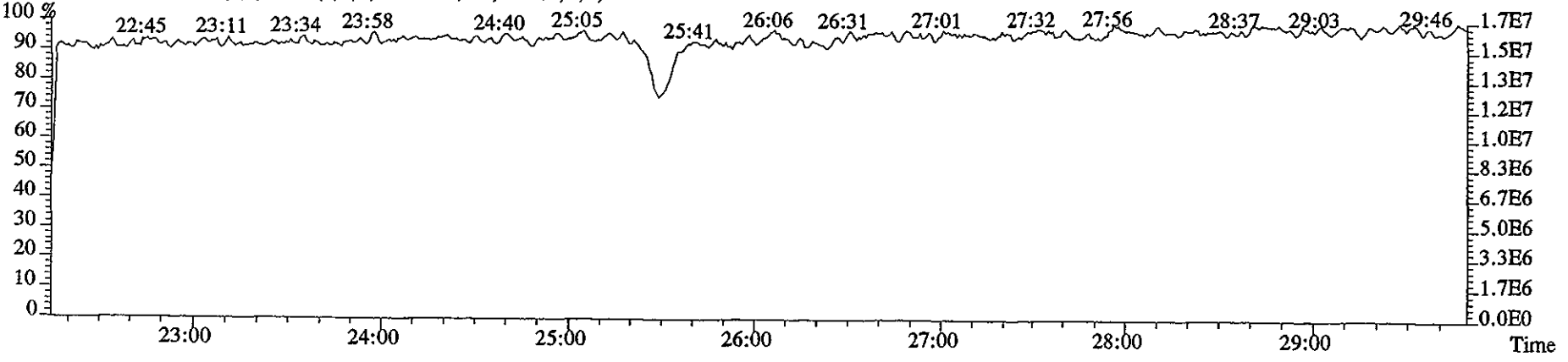
File:03MY10A4D5 #1-435 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



341.8567 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1744.0,1.00%,F,T)

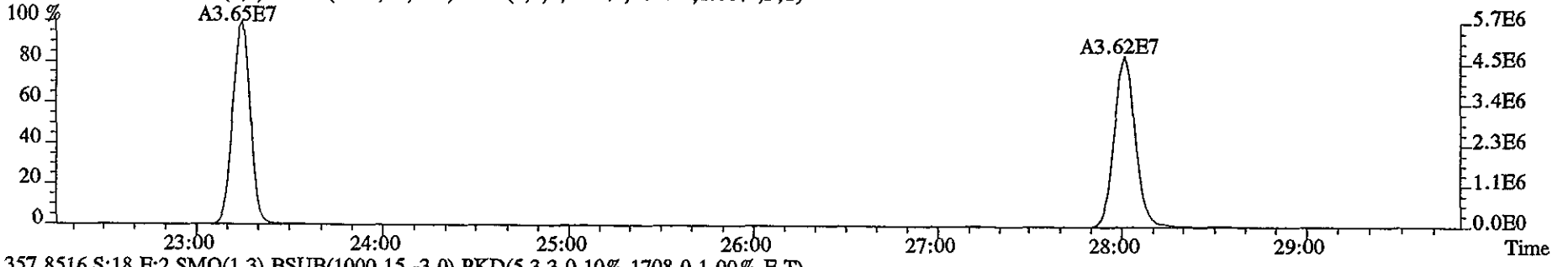


354.9792 S:18 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

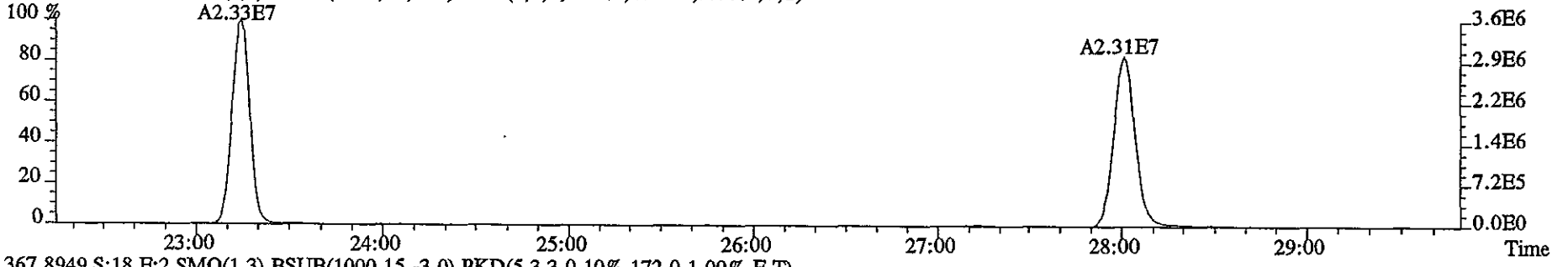


File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

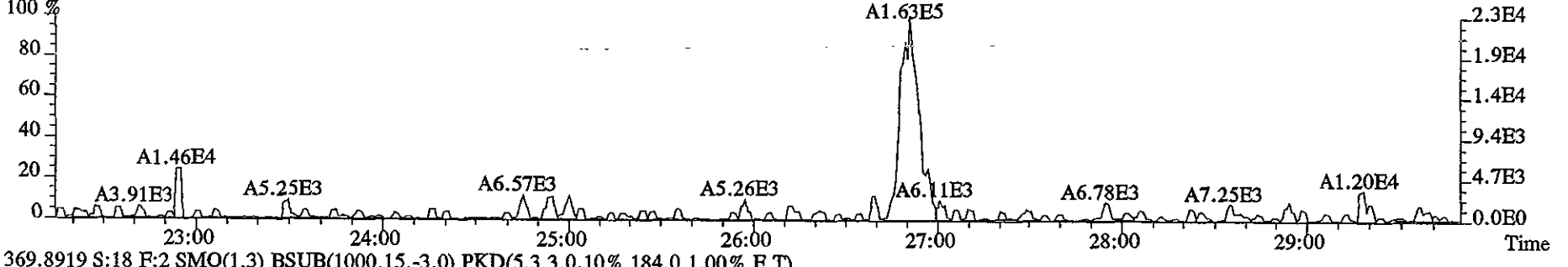
355.8546 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3076.0,1.00%,F,T)



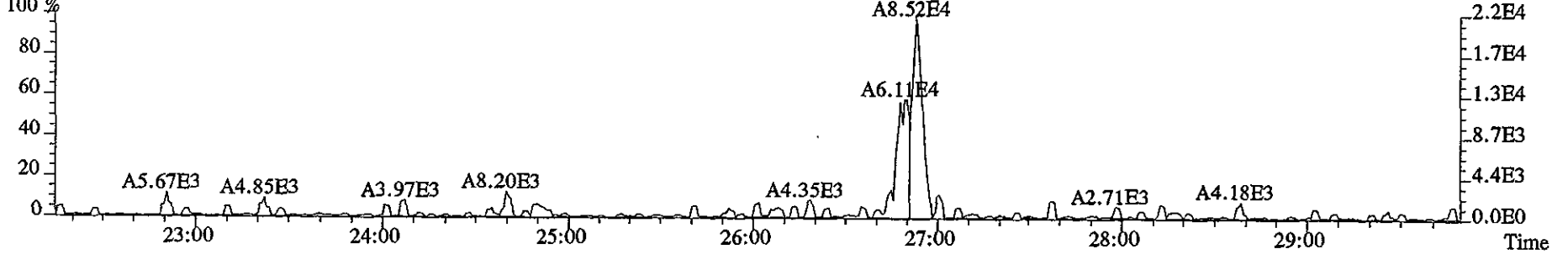
357.8516 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



367.8949 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172.0,1.00%,F,T)

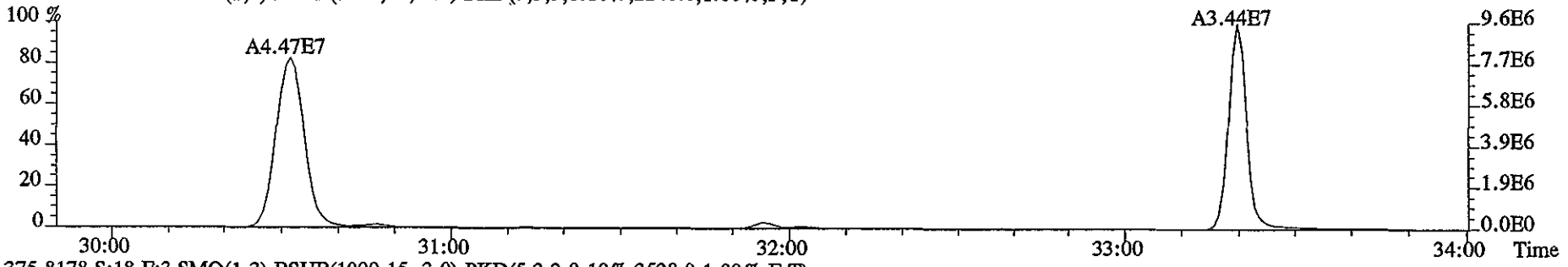


369.8919 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,184.0,1.00%,F,T)

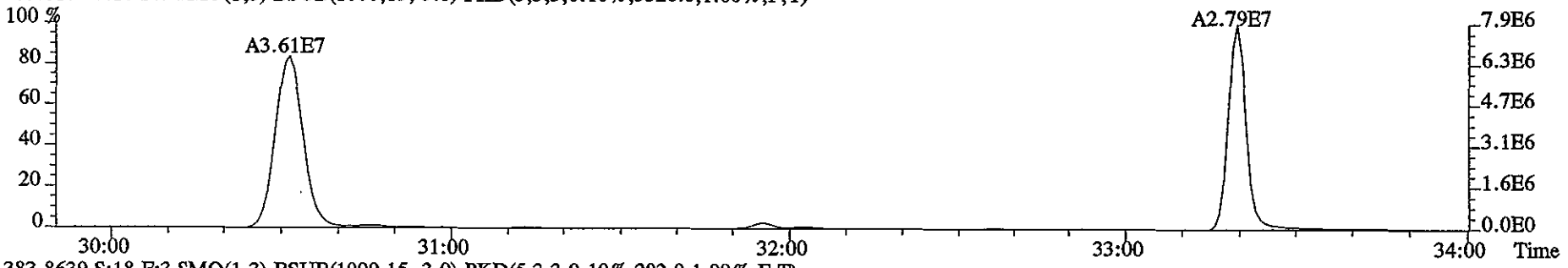


File:03MY10A4D5 #1-316 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

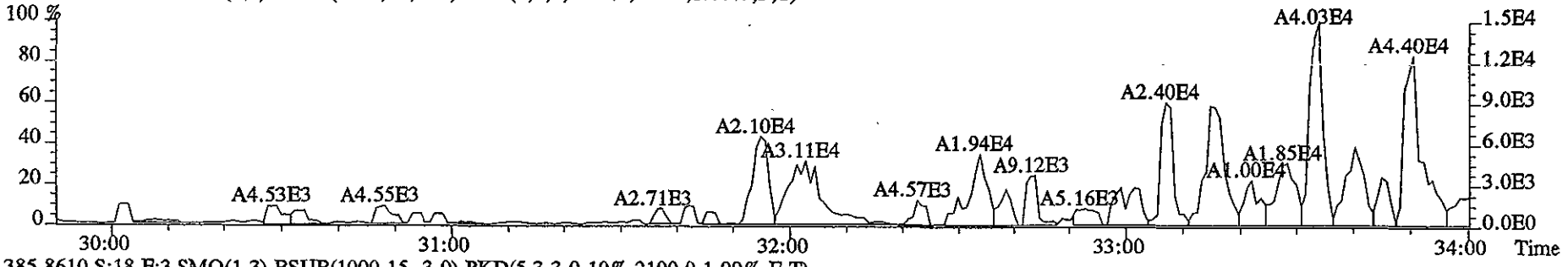
373.8208 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2248.0,1.00%,F,T)



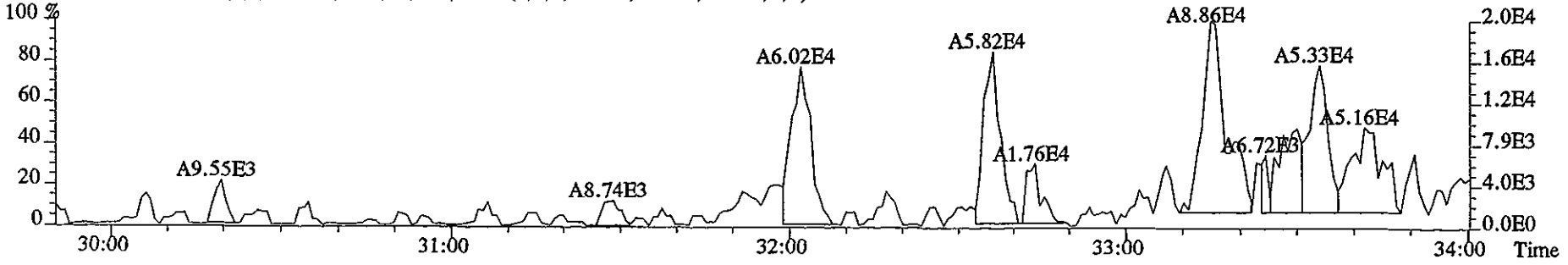
375.8178 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3528.0,1.00%,F,T)



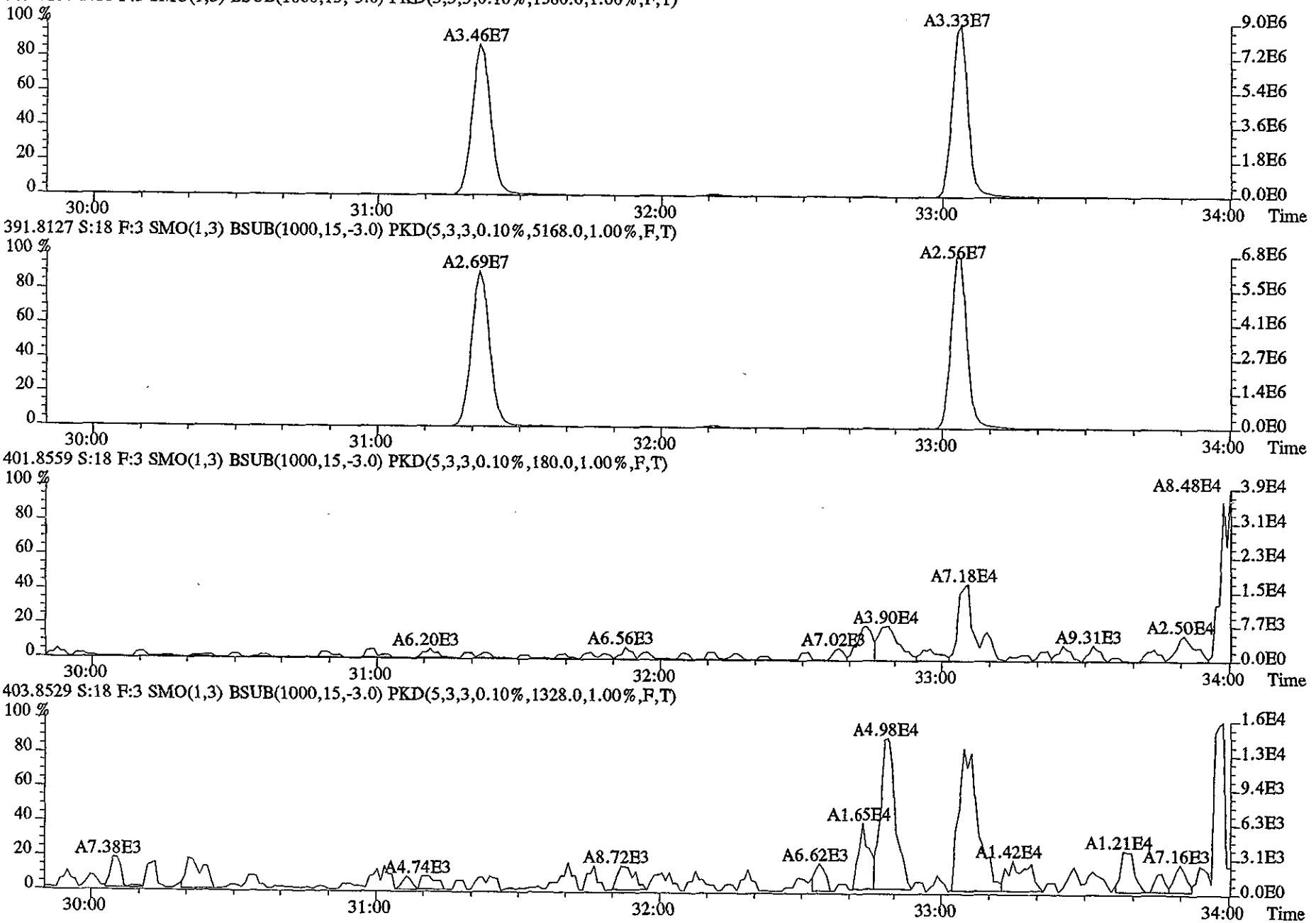
383.8639 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,292.0,1.00%,F,T)



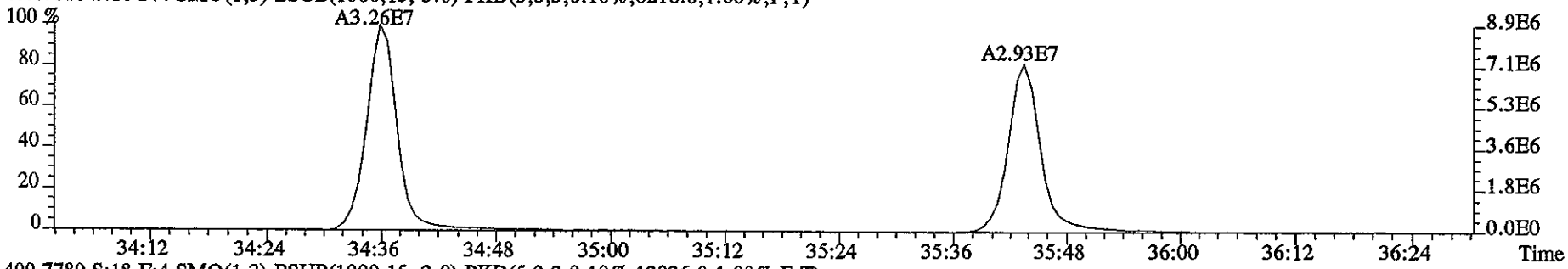
385.8610 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2100.0,1.00%,F,T)

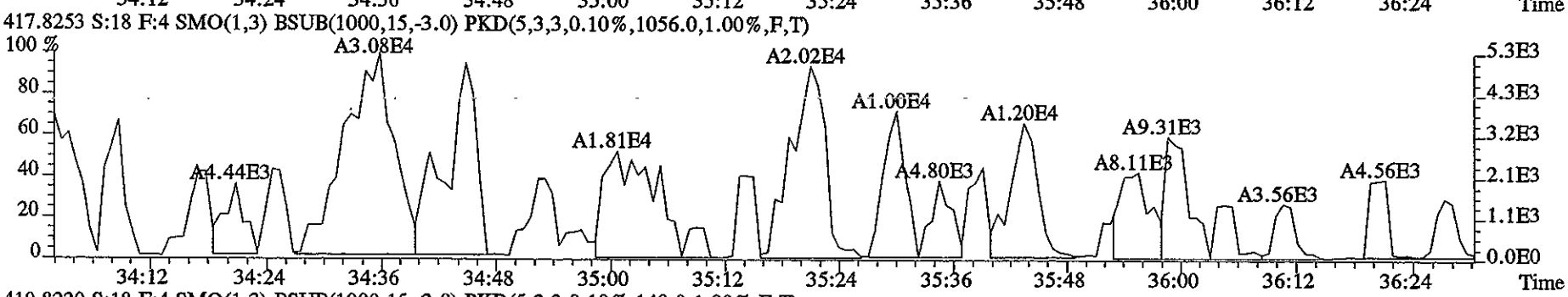


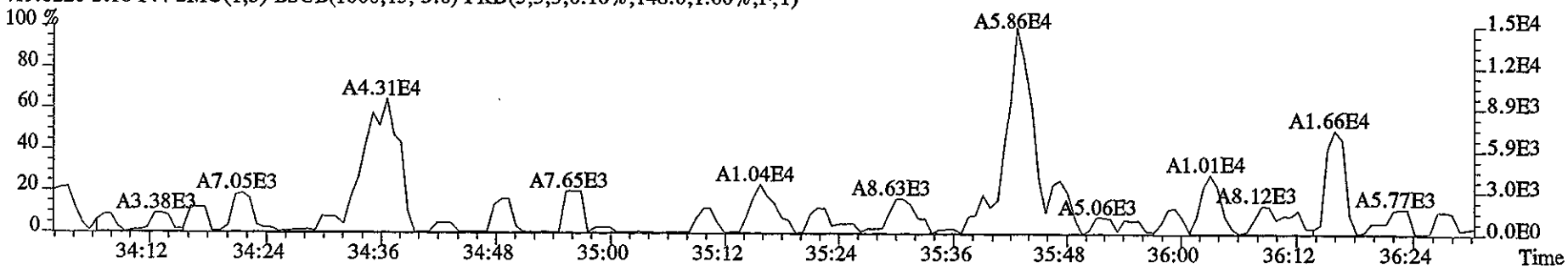
File:03MY10A4D5 #1-316 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



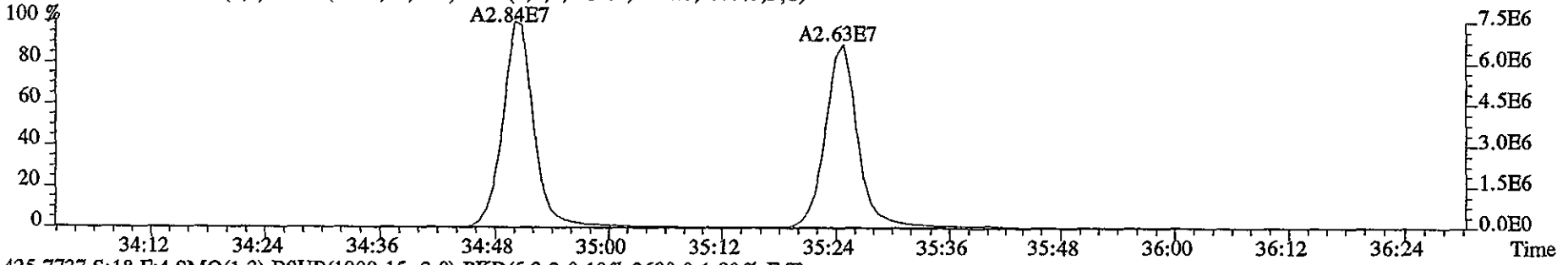
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



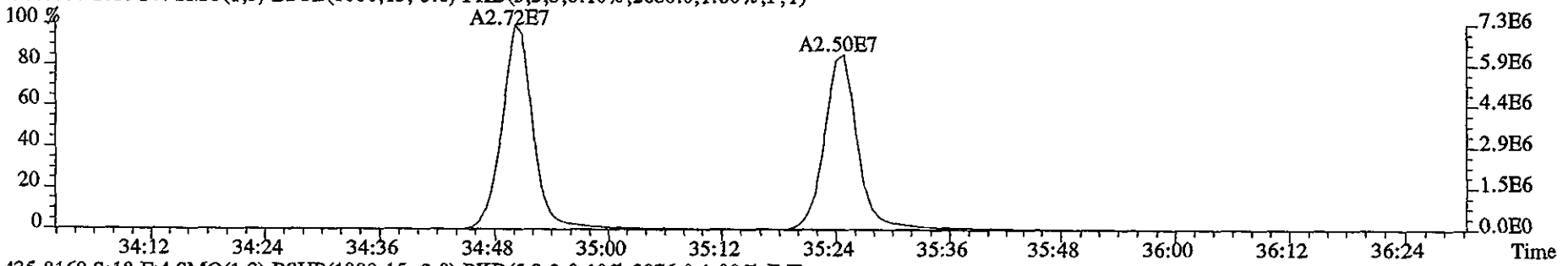




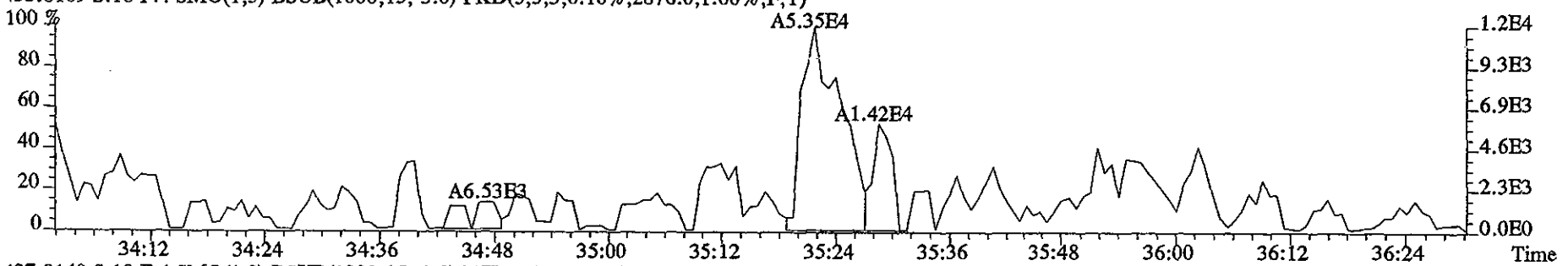
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
423.7766 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6544.0,1.00%,F,T)



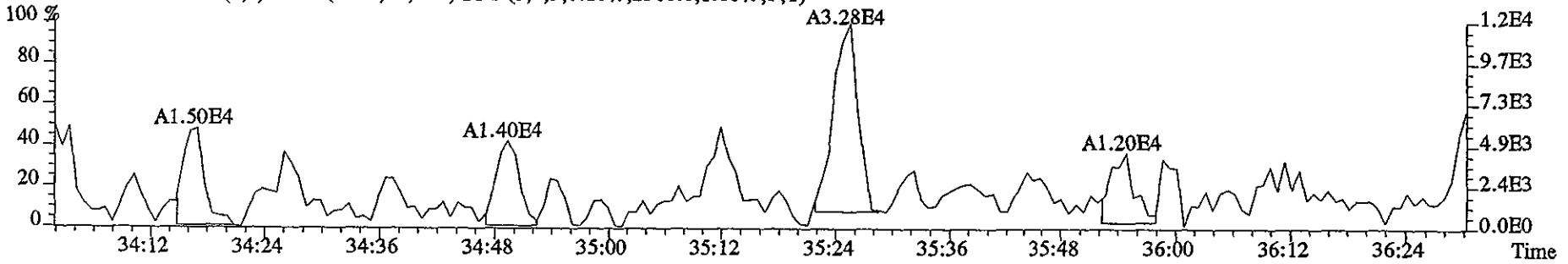
425.7737 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2680.0,1.00%,F,T)



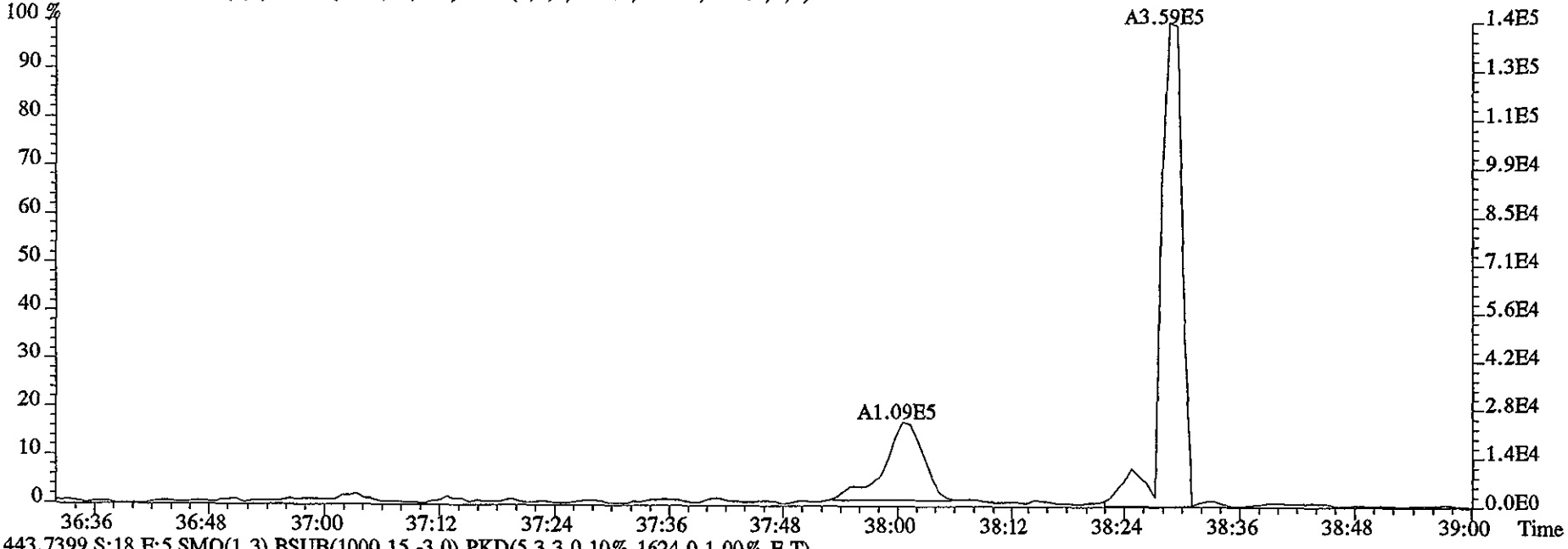
435.8169 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2876.0,1.00%,F,T)



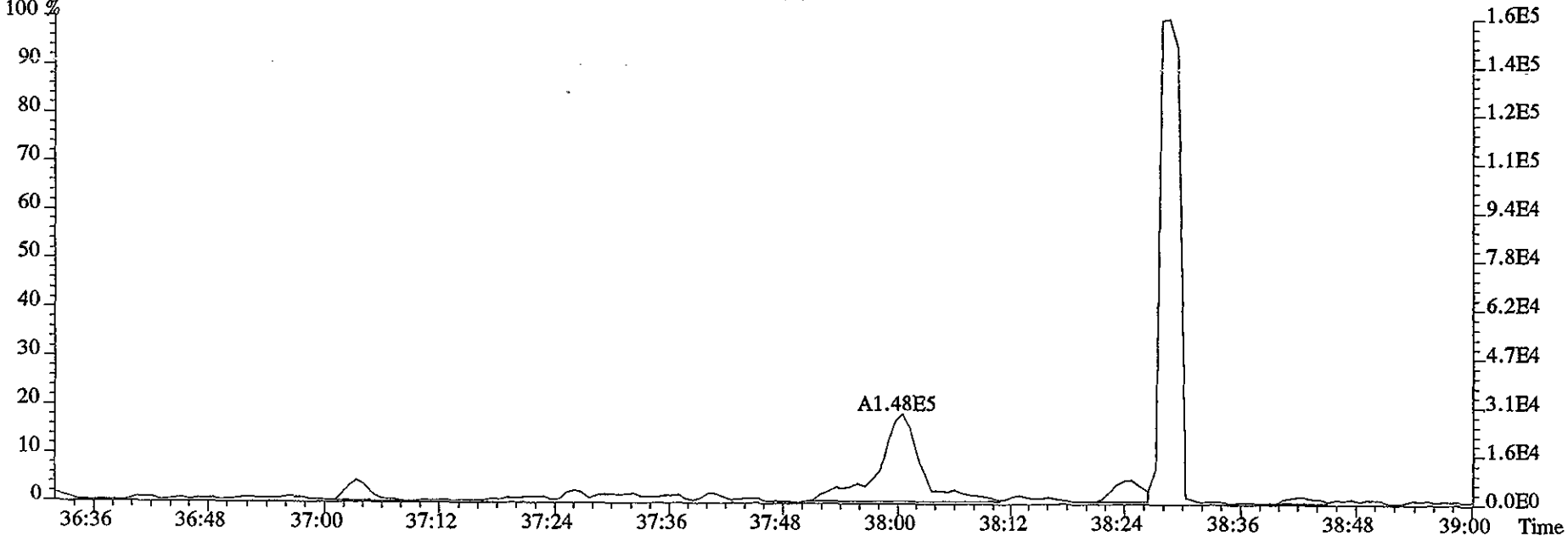
437.8140 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2568.0,1.00%,F,T)



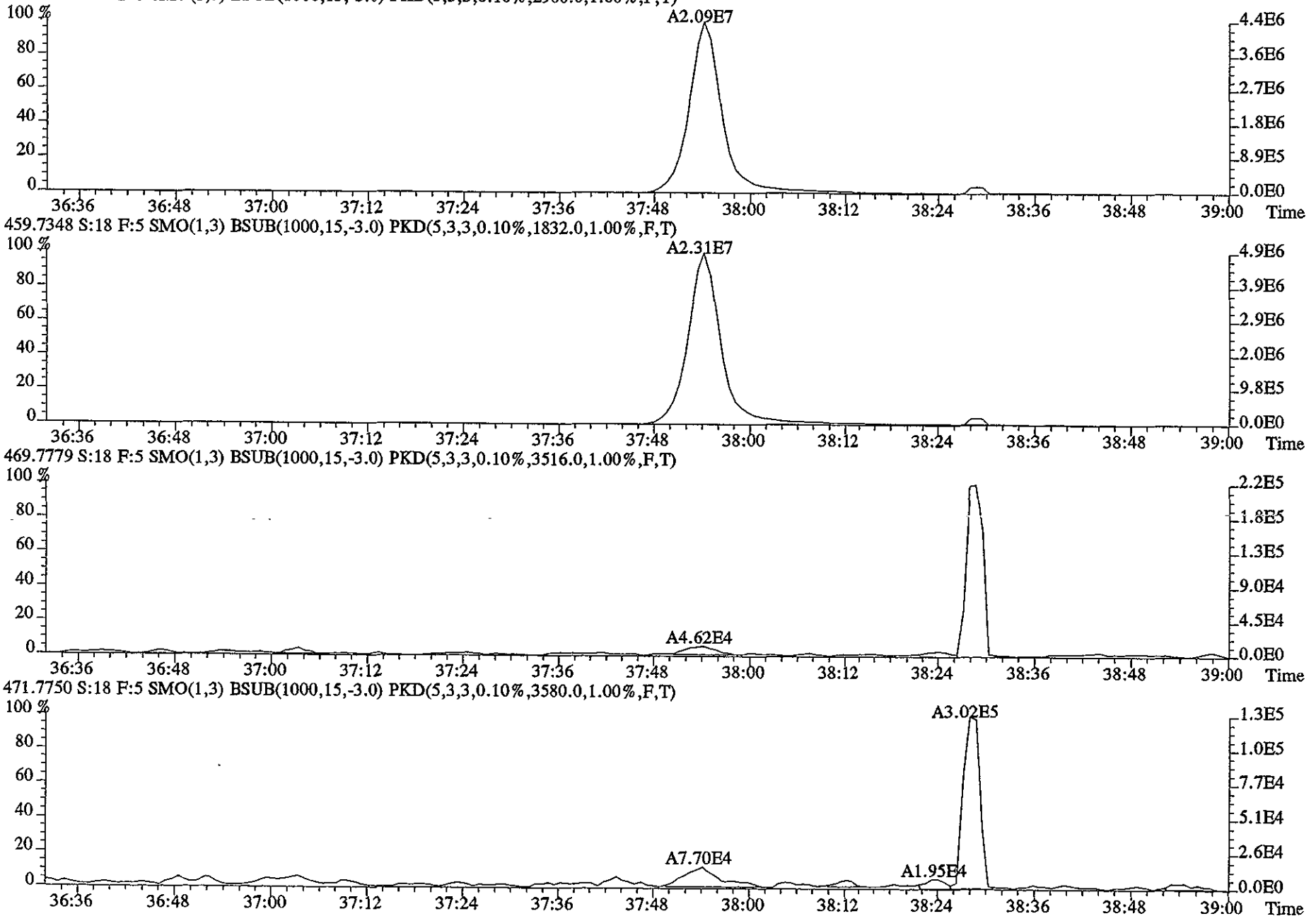
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1540.0,1.00%,F,T)



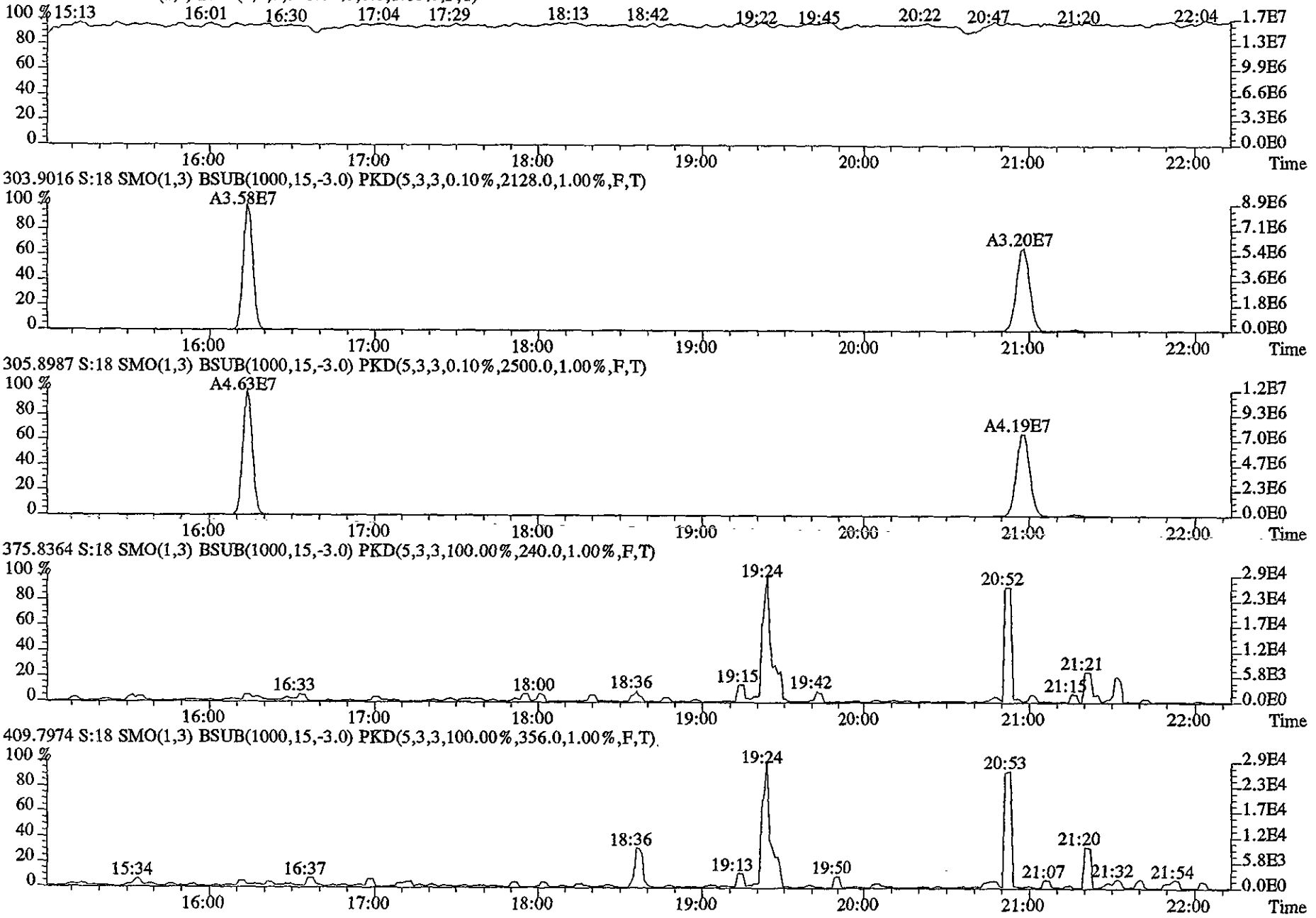
443.7399 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1624.0,1.00%,F,T)



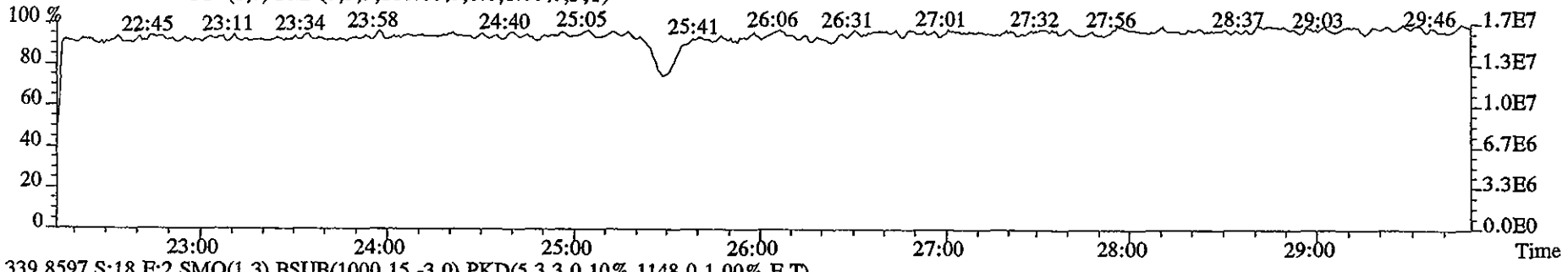
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



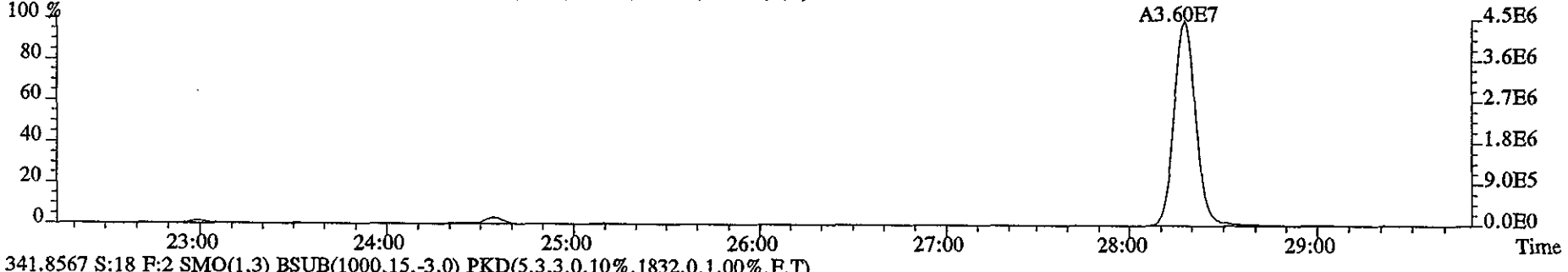
File:03MY10A4D5 #1-435 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



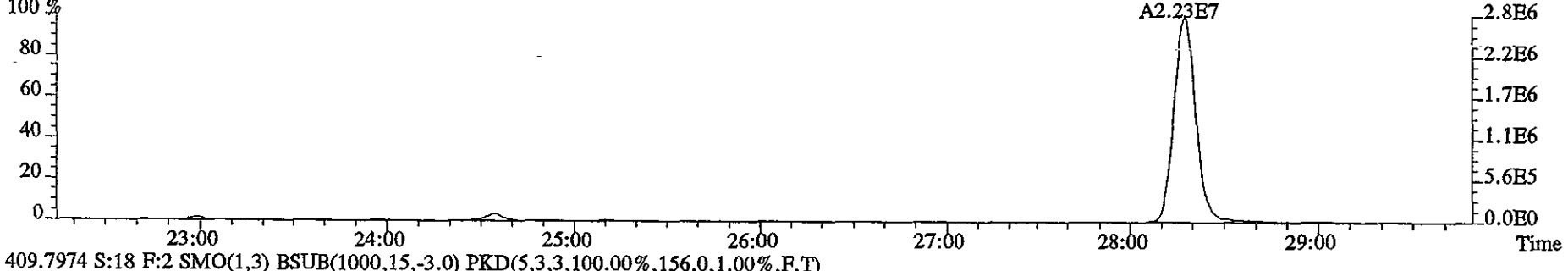
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
354.9792 S:18 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



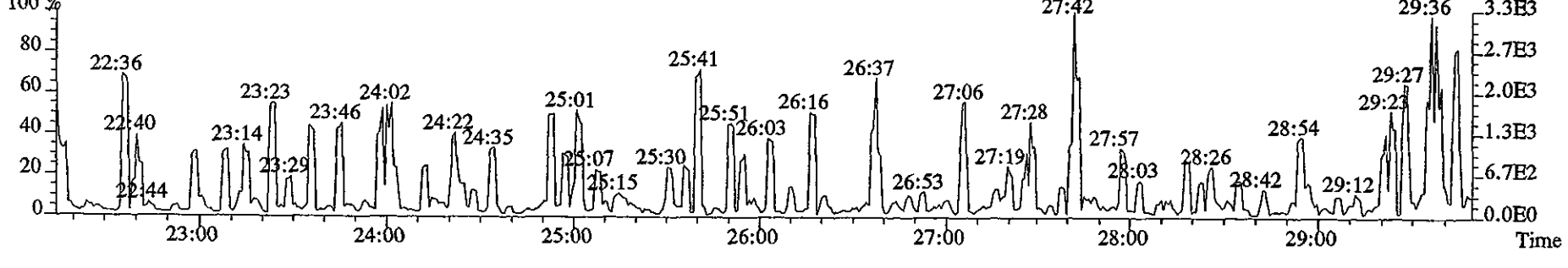
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1148.0,1.00%,F,T)



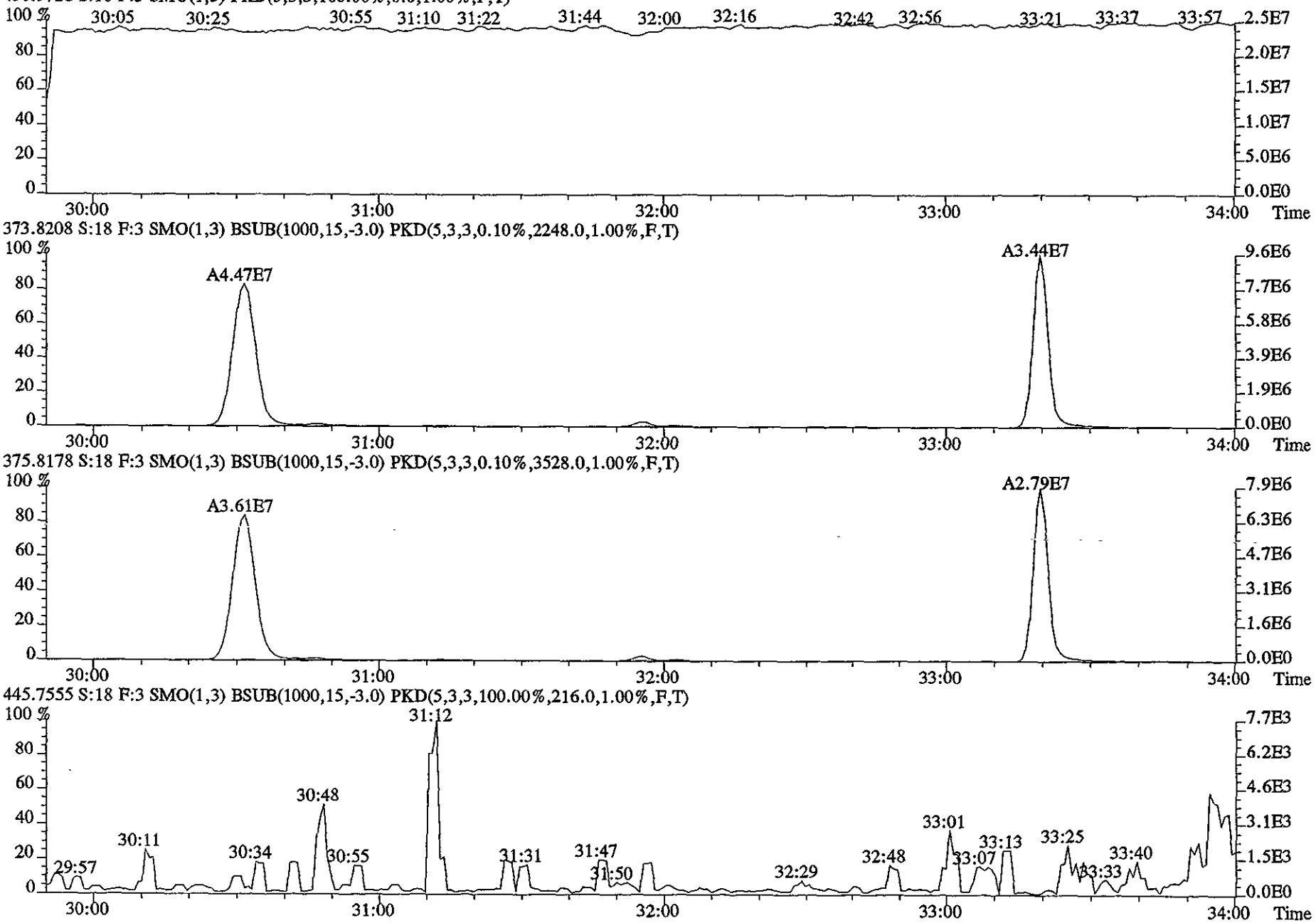
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



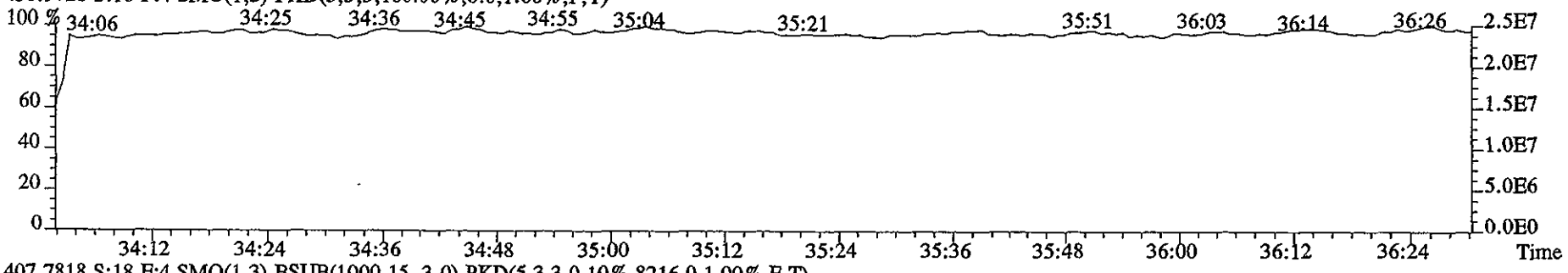
409.7974 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,156.0,1.00%,F,T)

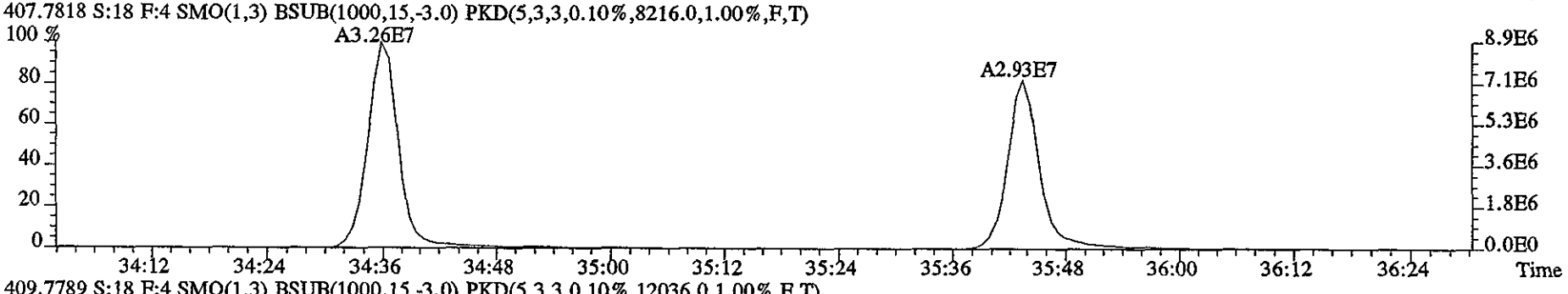


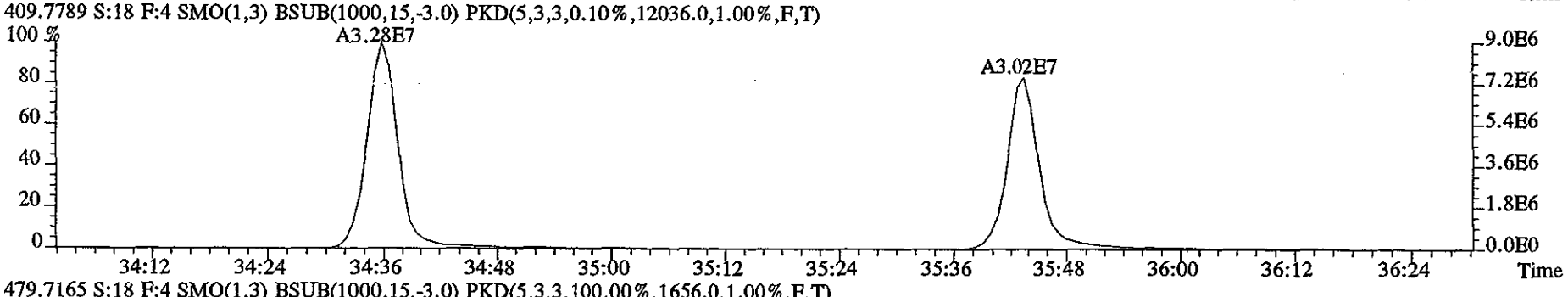
File:03MY10A4D5 #1-316 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

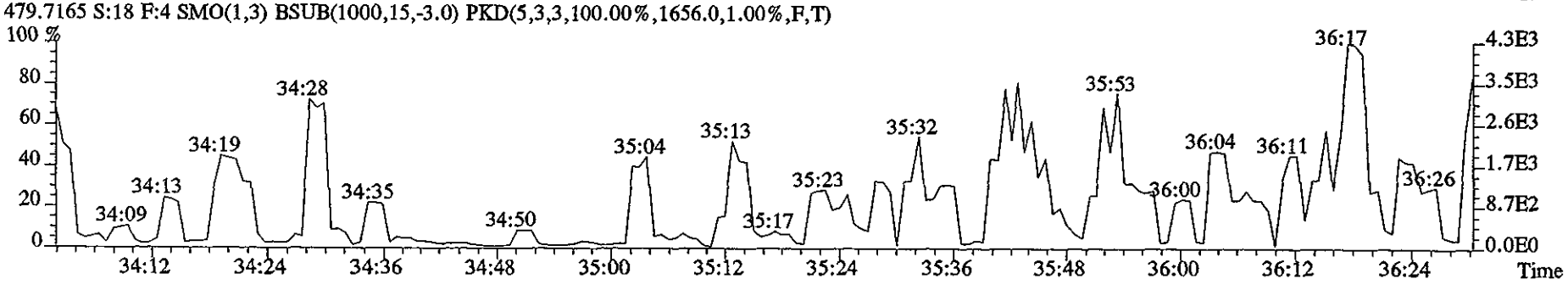


File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

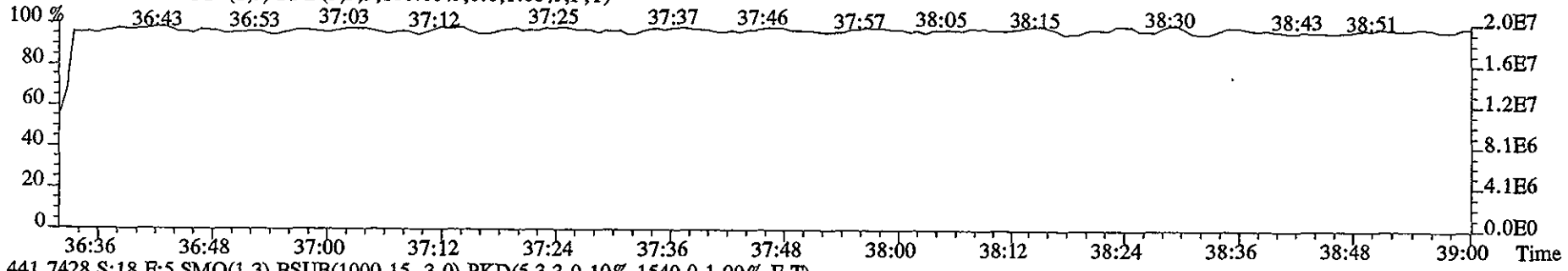


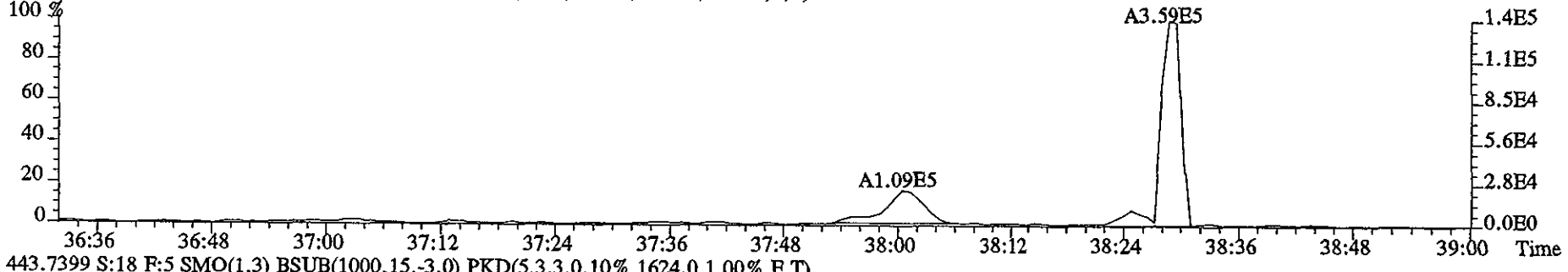


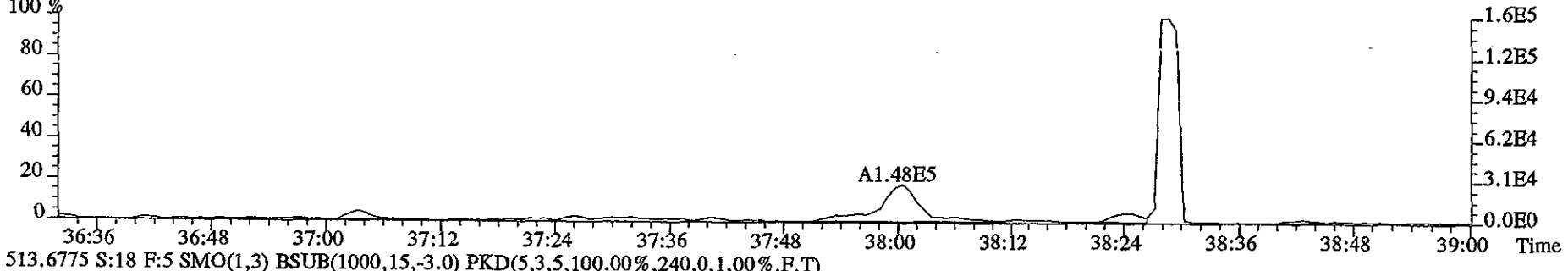


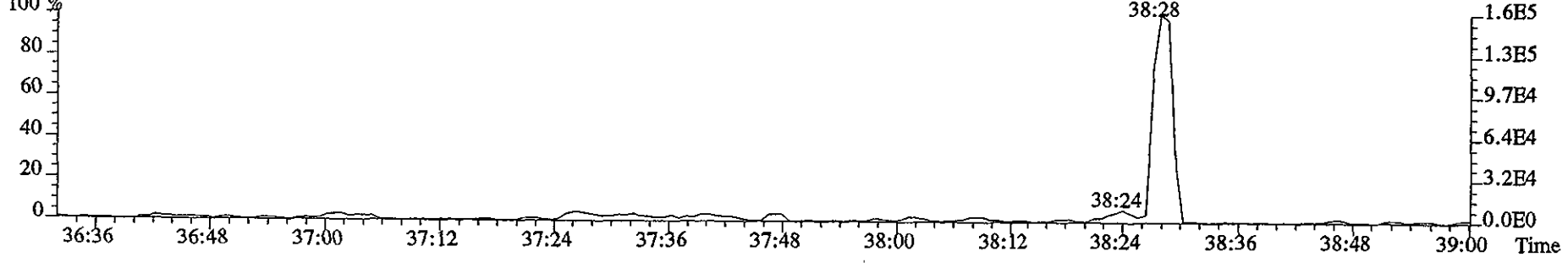


File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 23:43:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:CP0503A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

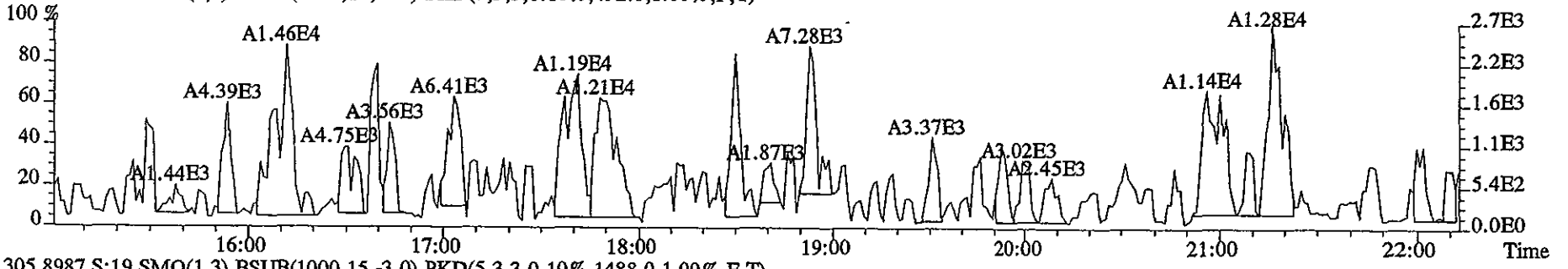




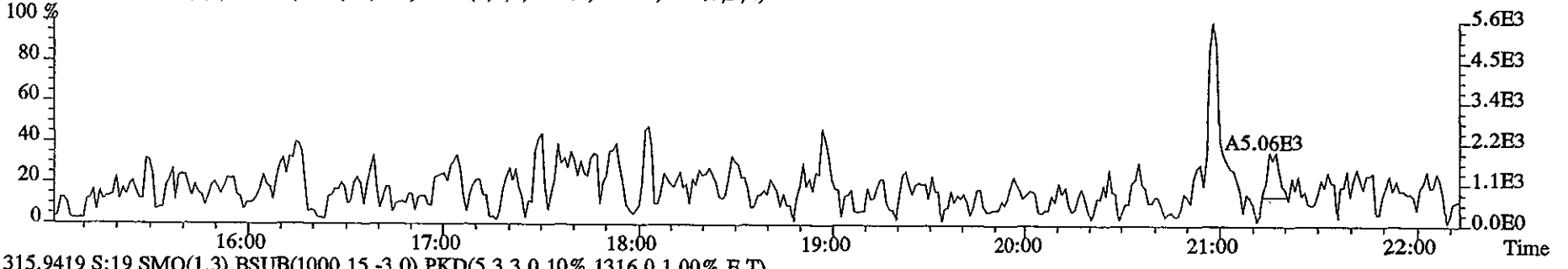




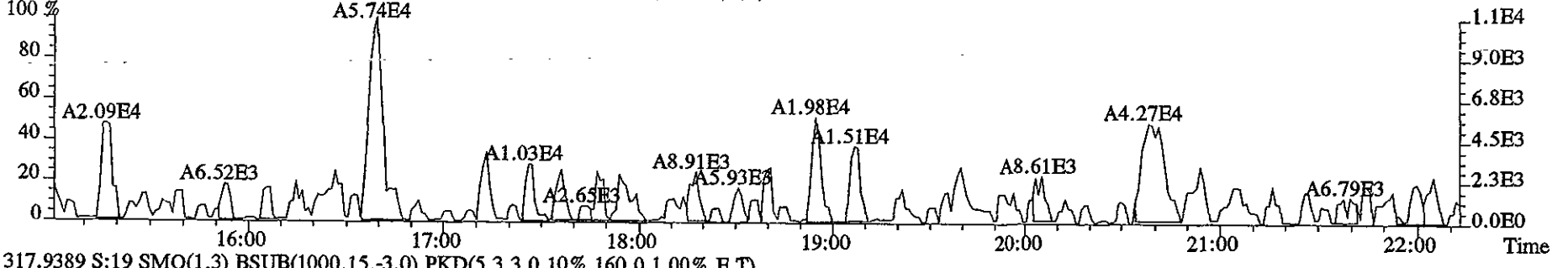
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,492.0,1.00%,F,T)



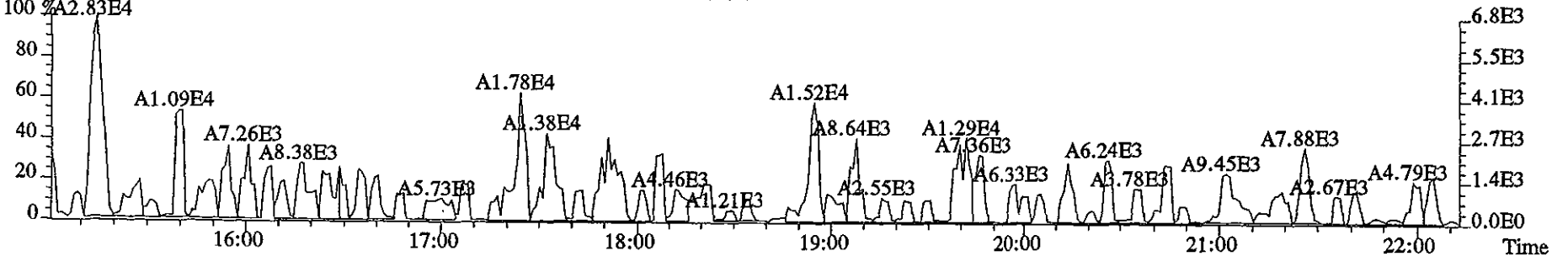
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1488.0,1.00%,F,T)



315.9419 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1316.0,1.00%,F,T)

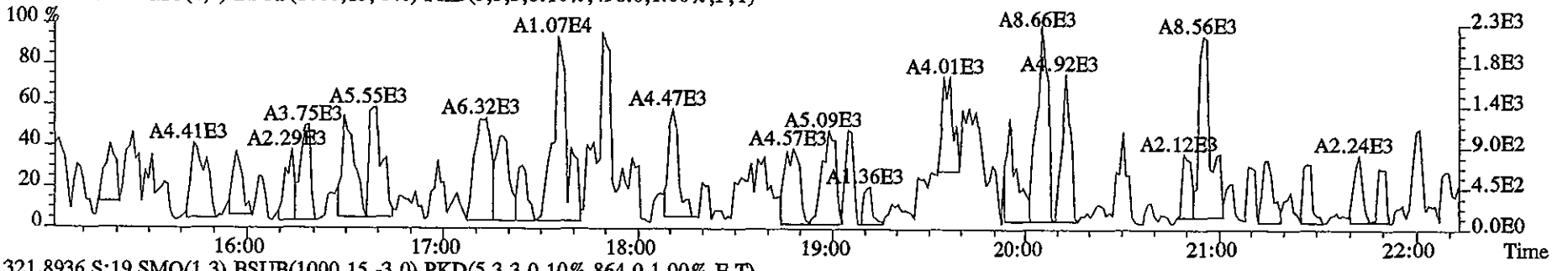


317.9389 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160.0,1.00%,F,T)

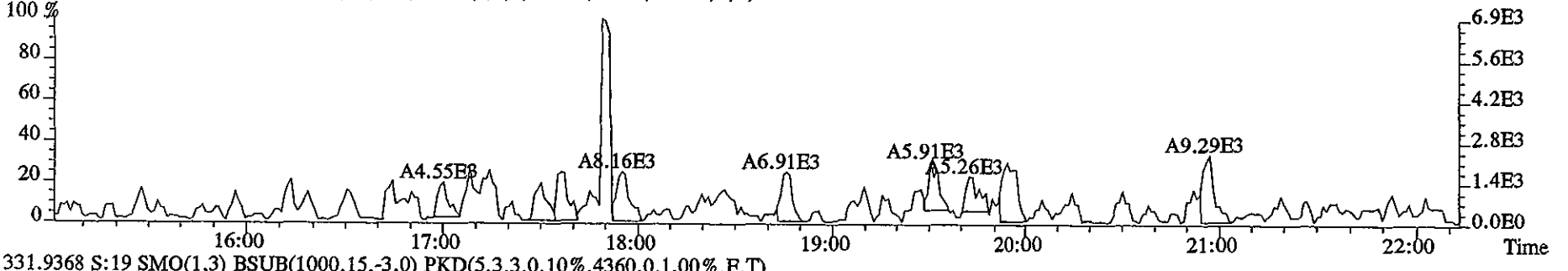


File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

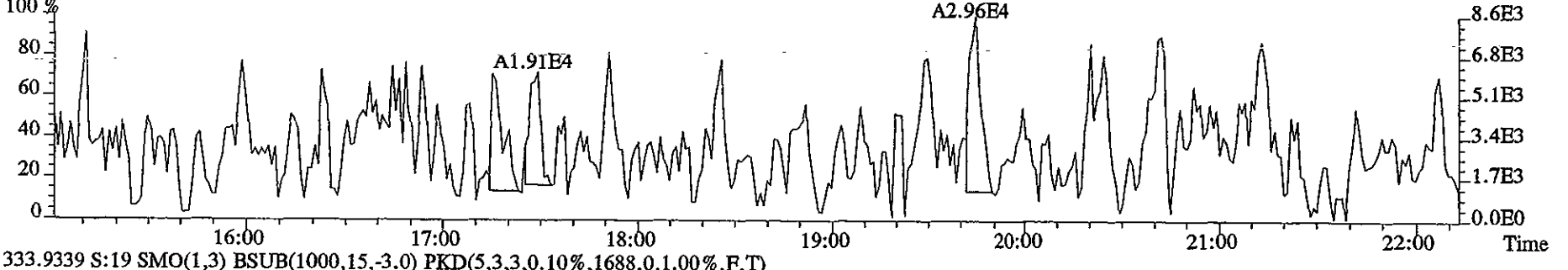
319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,496.0,1.00%,F,T)



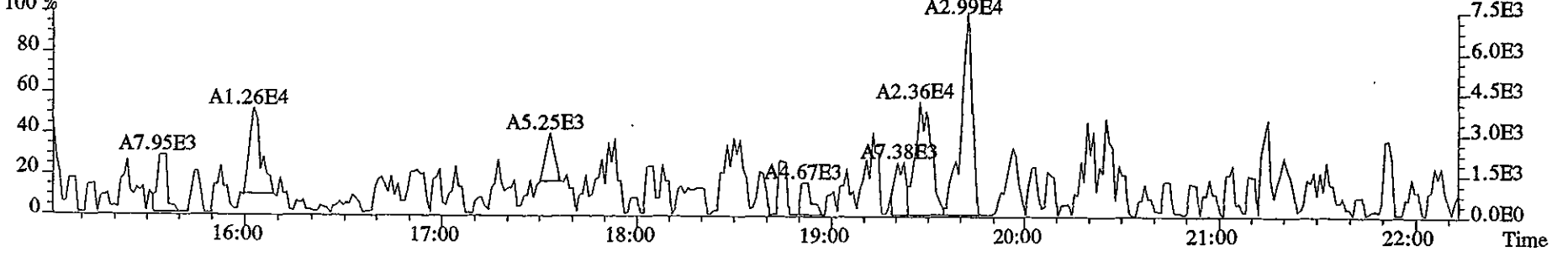
321.8936 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



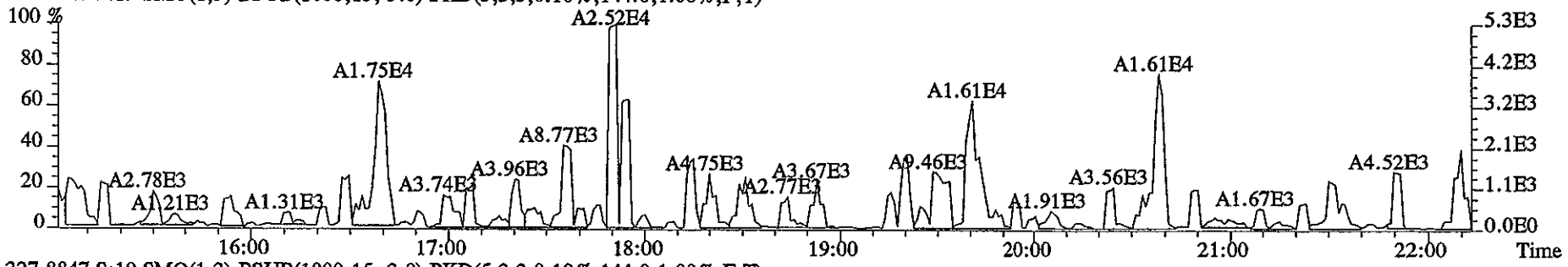
331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)



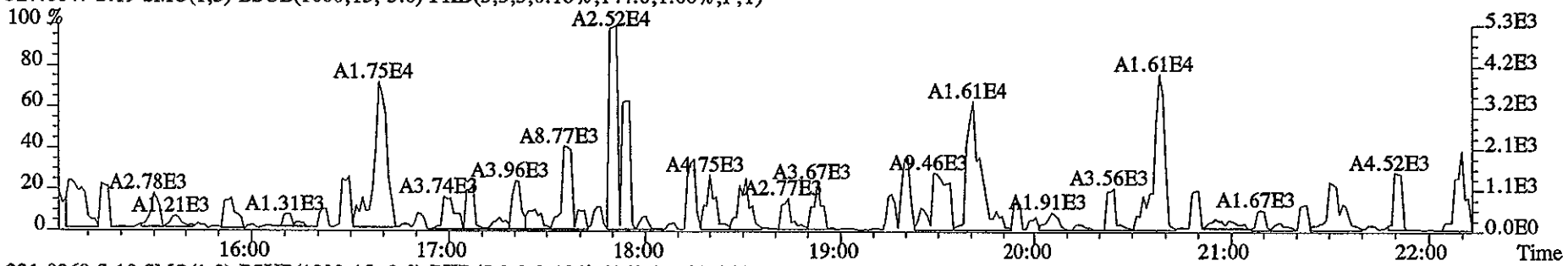
333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1688.0,1.00%,F,T)



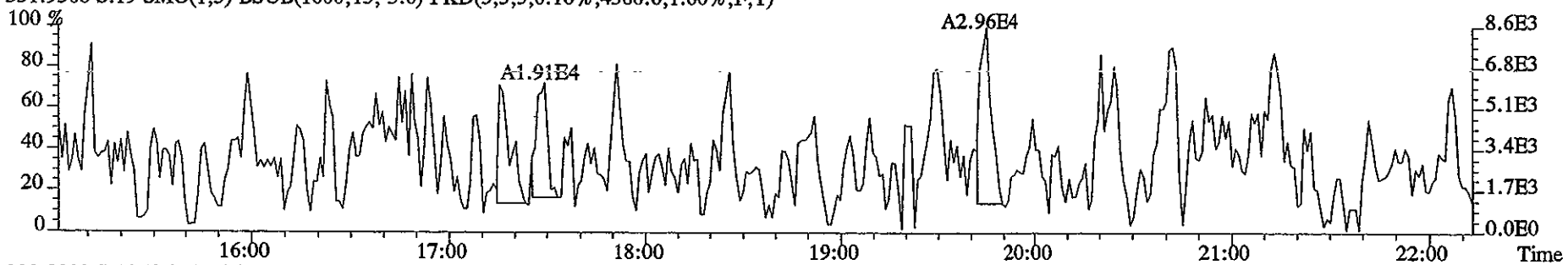
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



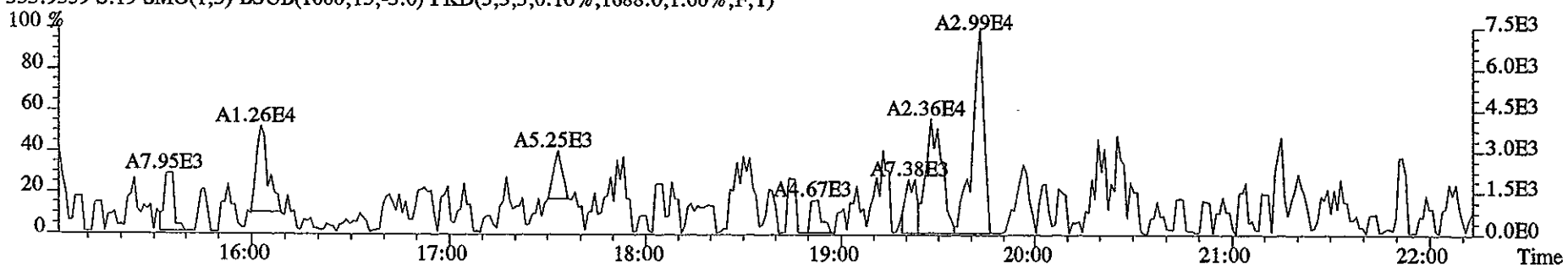
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)

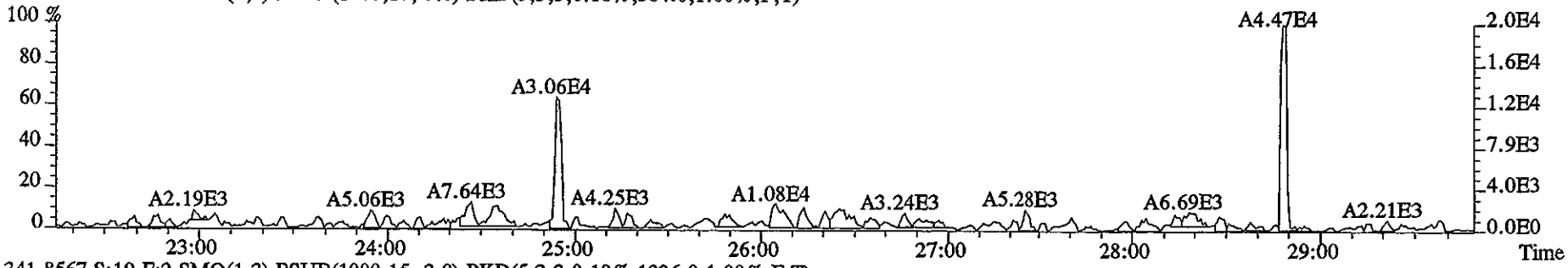


333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1688.0,1.00%,F,T)

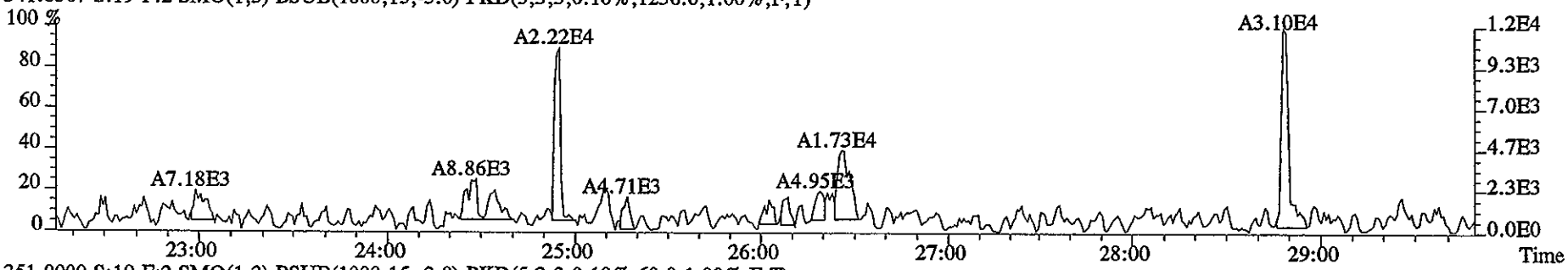


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

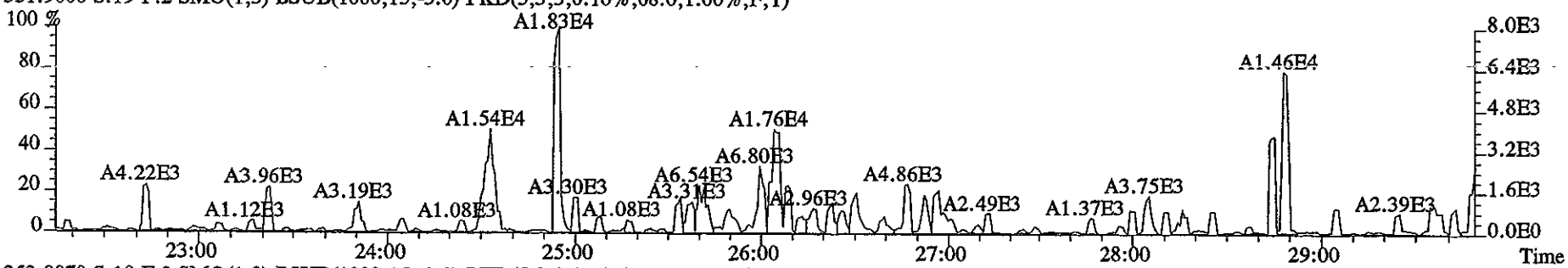
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,584.0,1.00%,F,T)



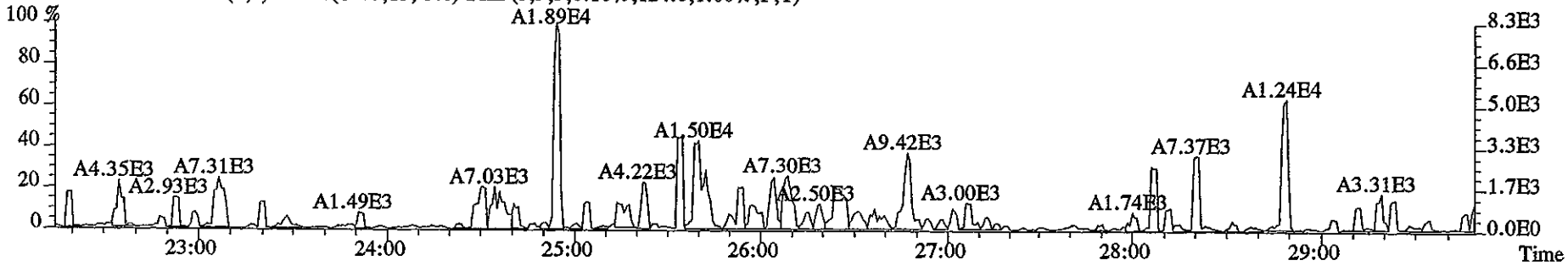
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1236.0,1.00%,F,T)



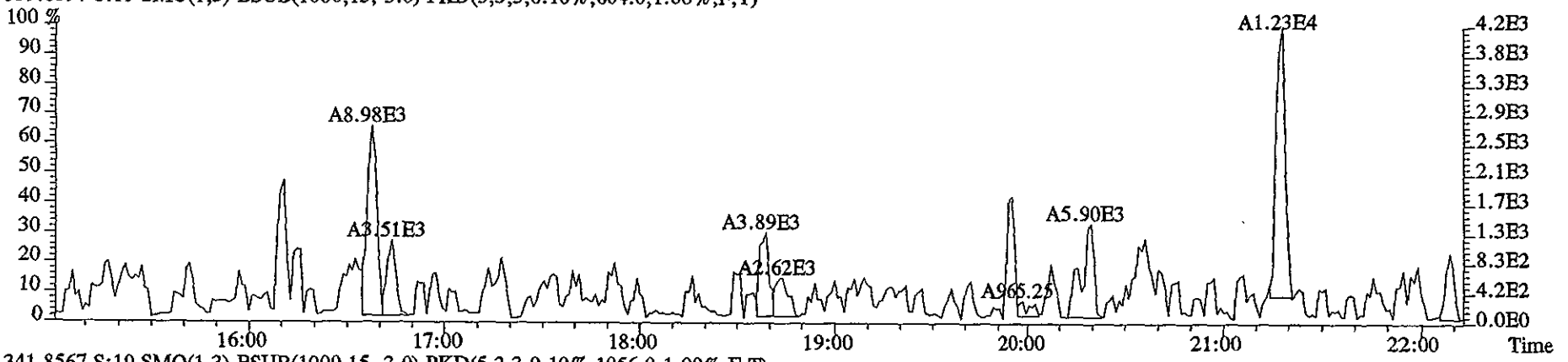
351.9000 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



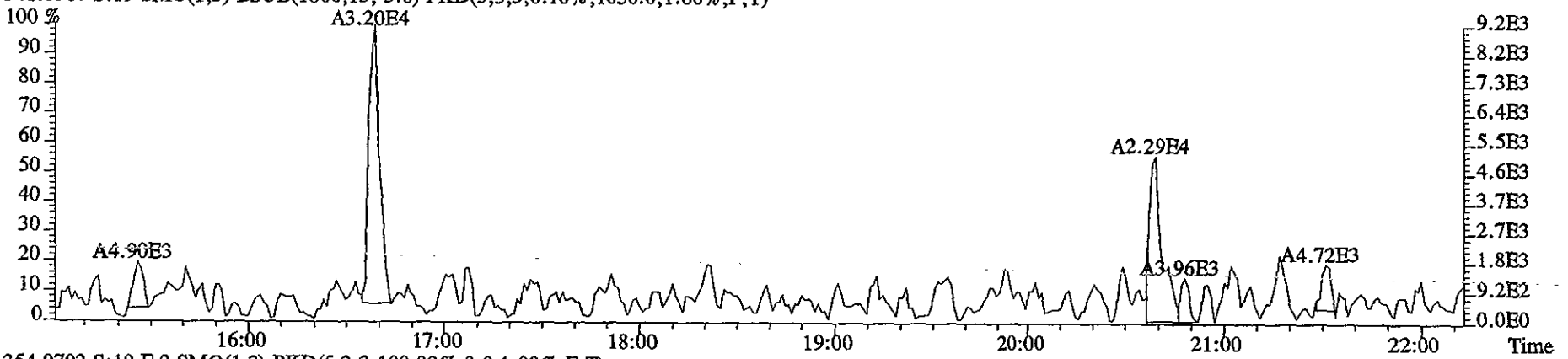
353.8970 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)



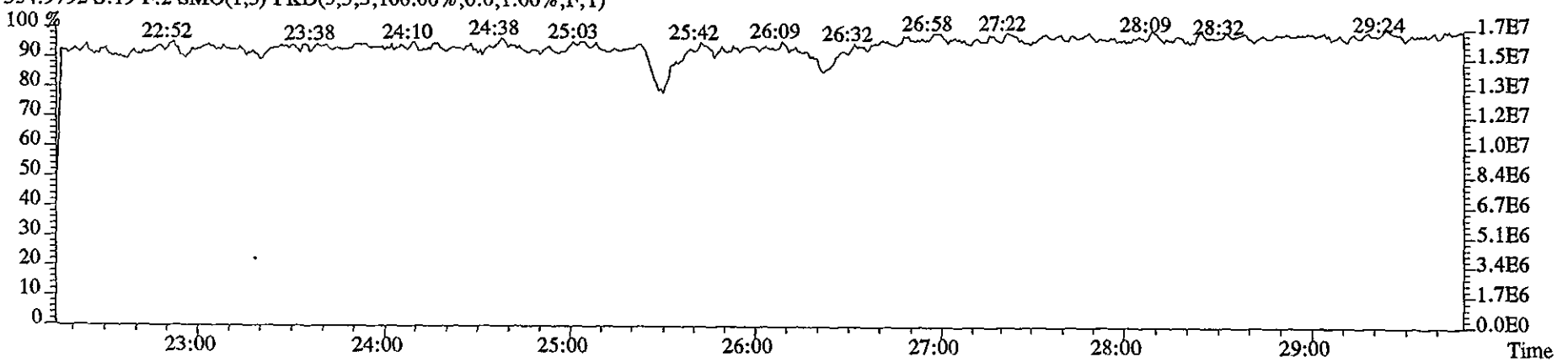
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,604.0,1.00%,F,T)



341.8567 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1056.0,1.00%,F,T)

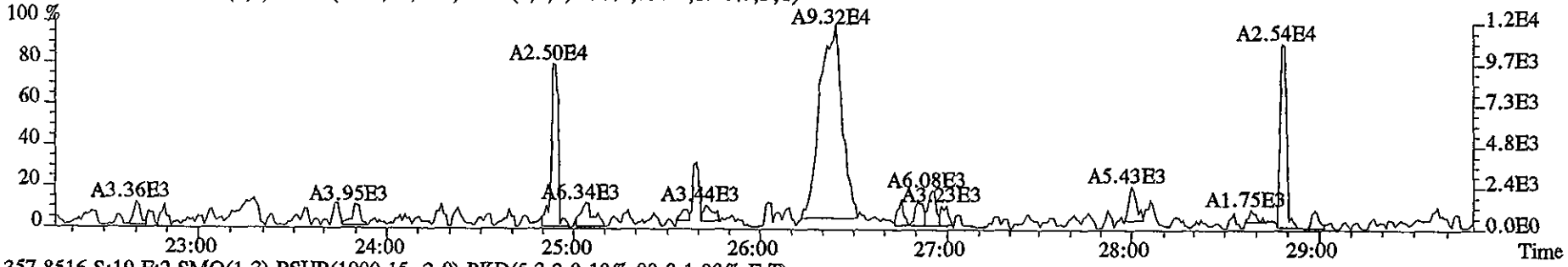


354.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

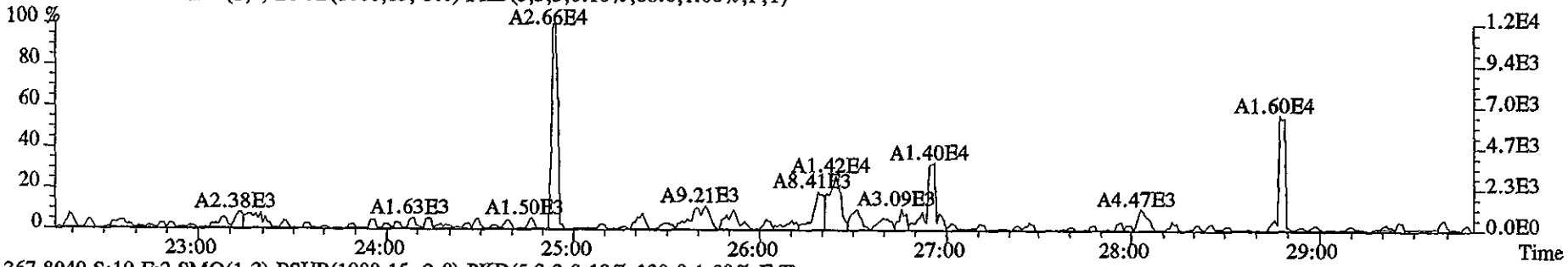


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

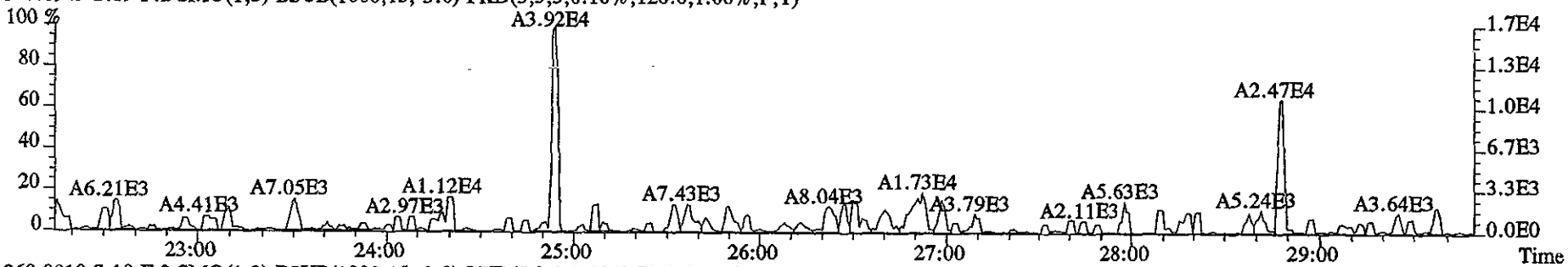
355.8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,736.0,1.00%,F,T)



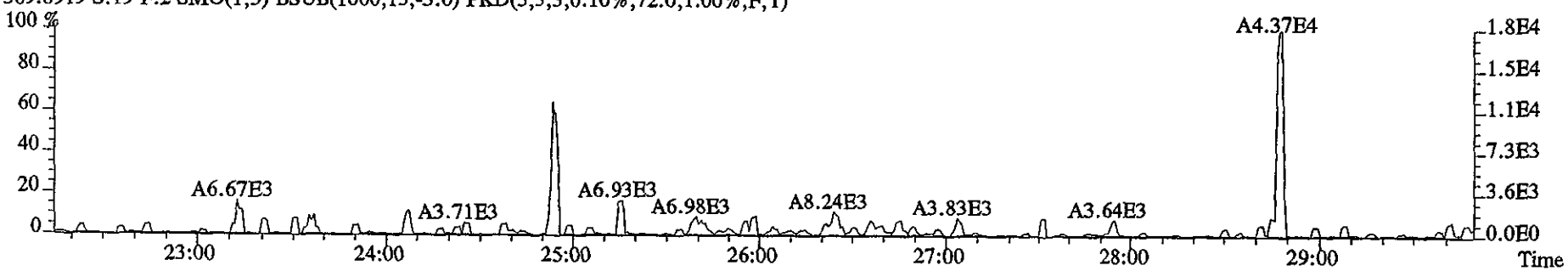
357.8516 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



367.8949 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)

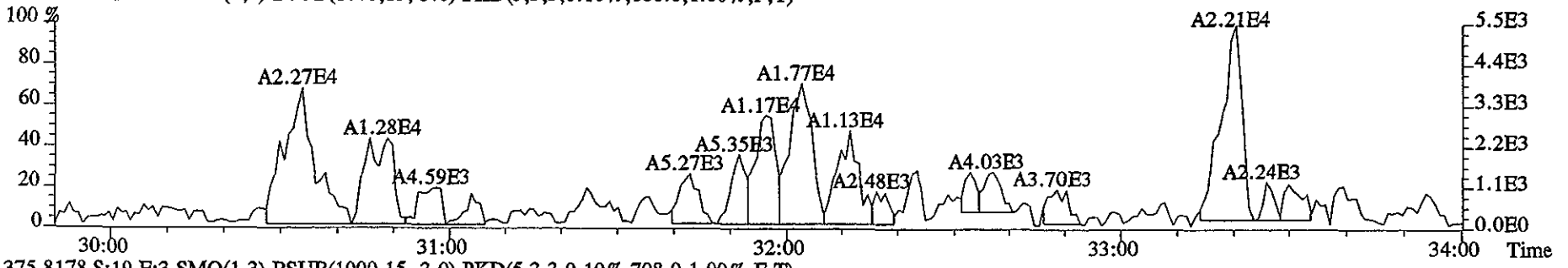


369.8919 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

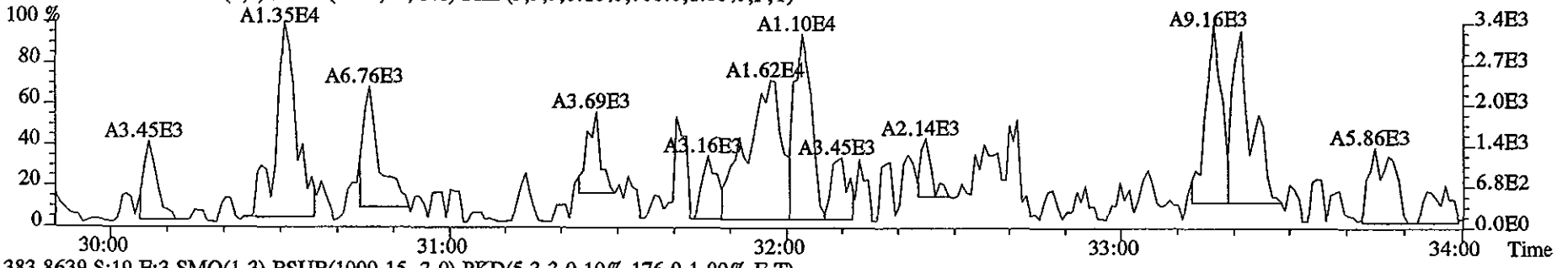


File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

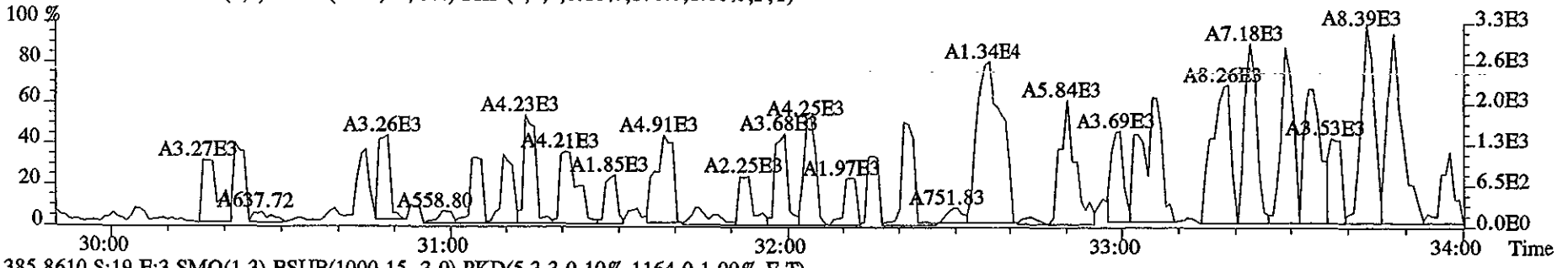
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)



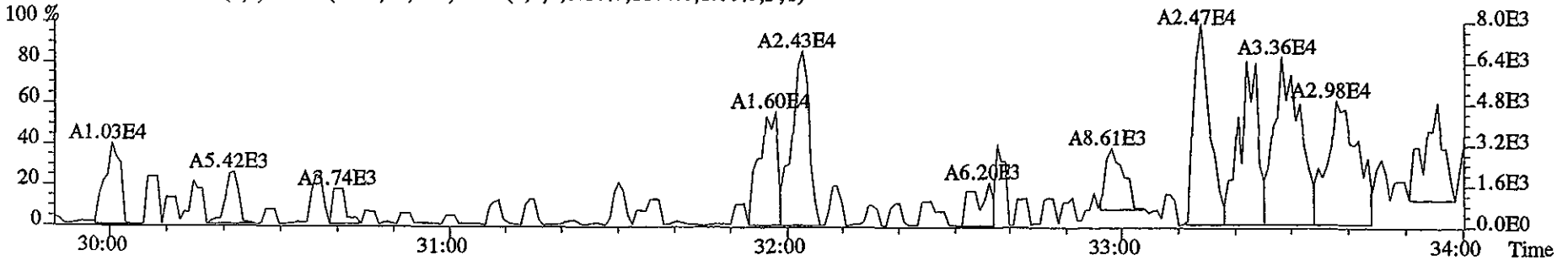
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,708.0,1.00%,F,T)



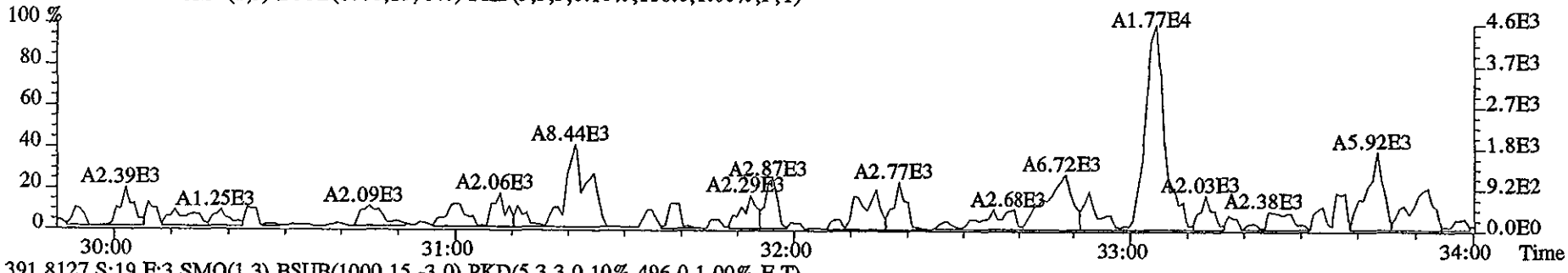
383.8639 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)

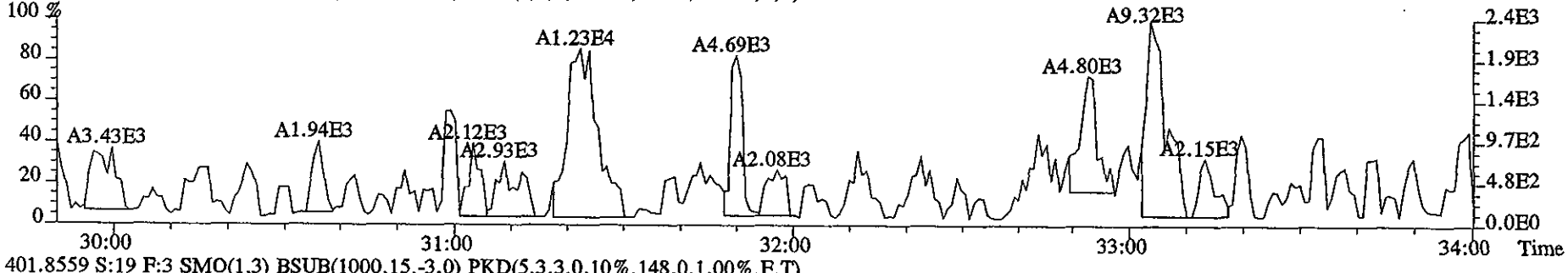


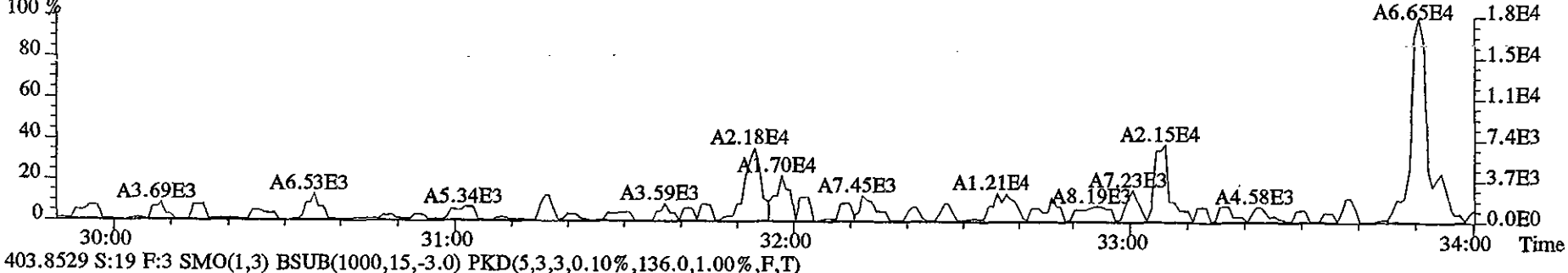
385.8610 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1164.0,1.00%,F,T)

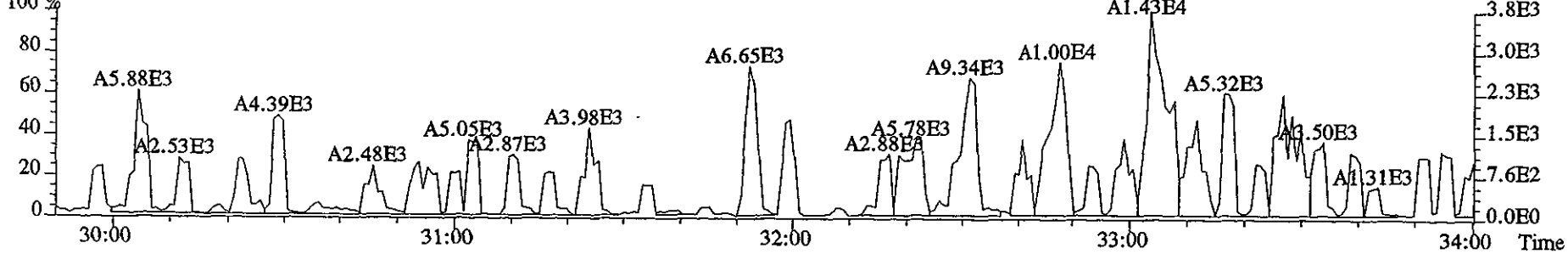


File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

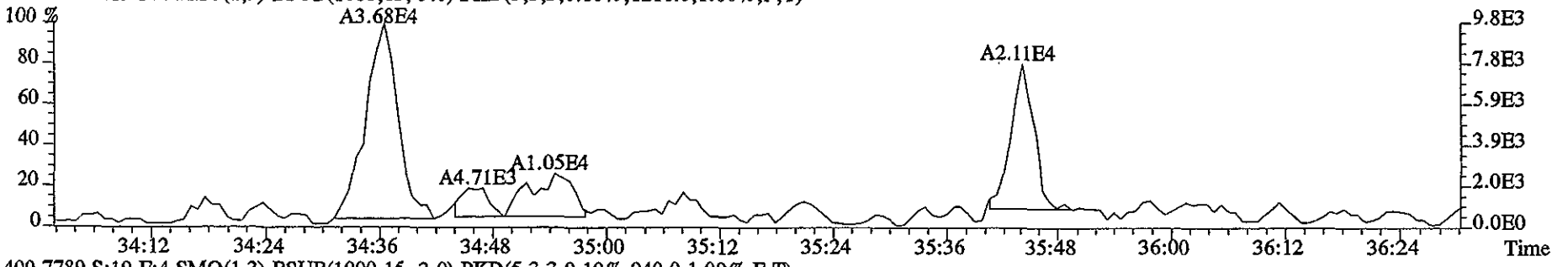


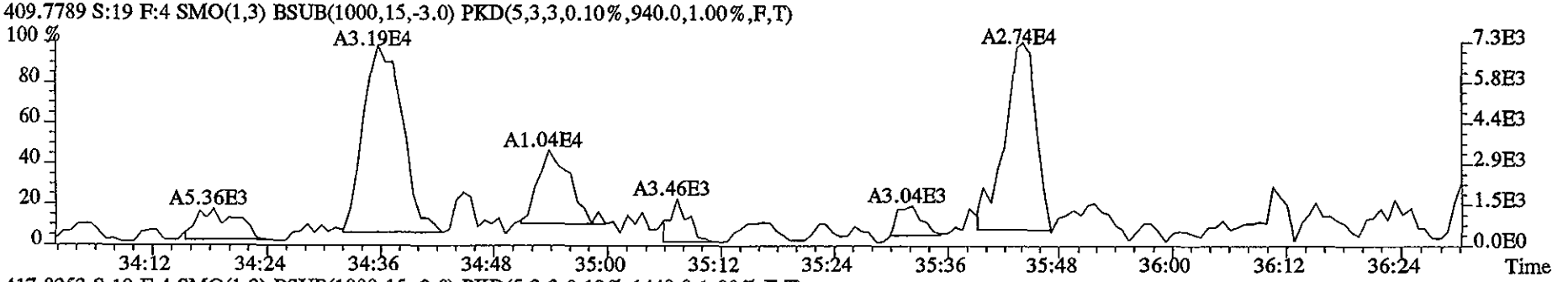


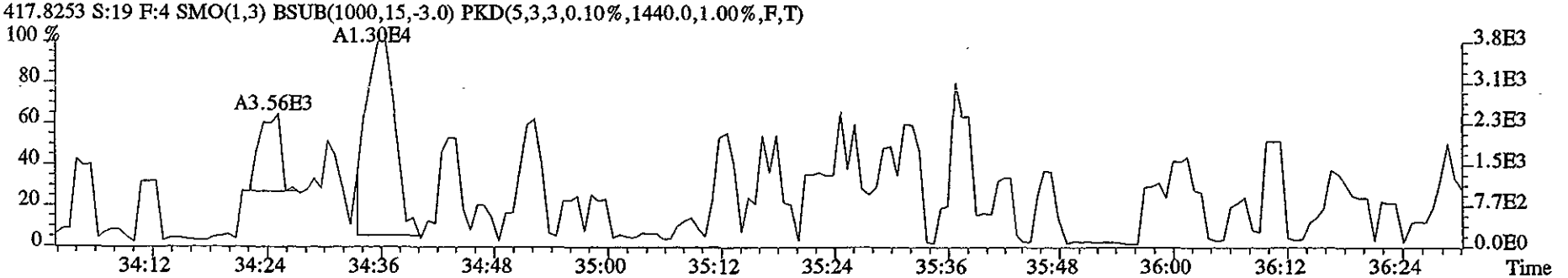


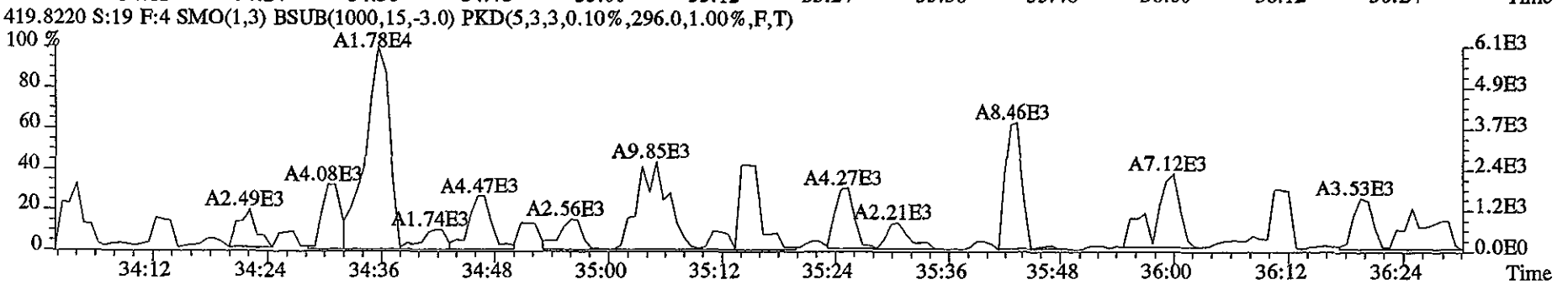


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

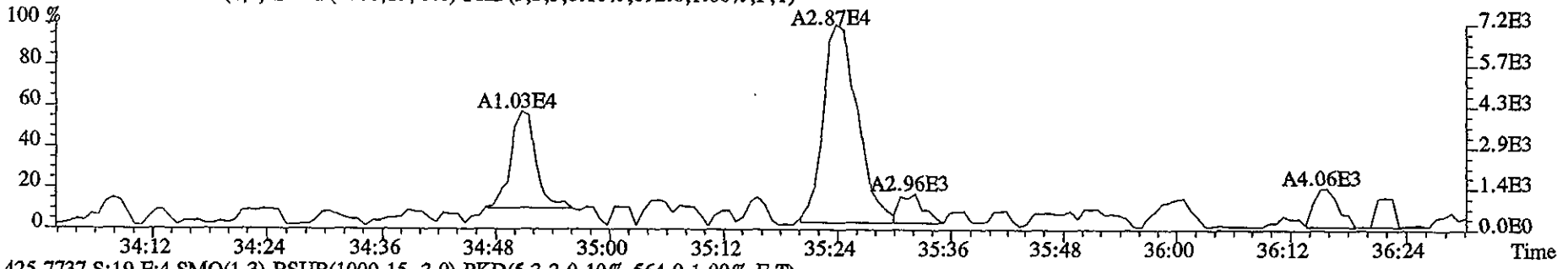


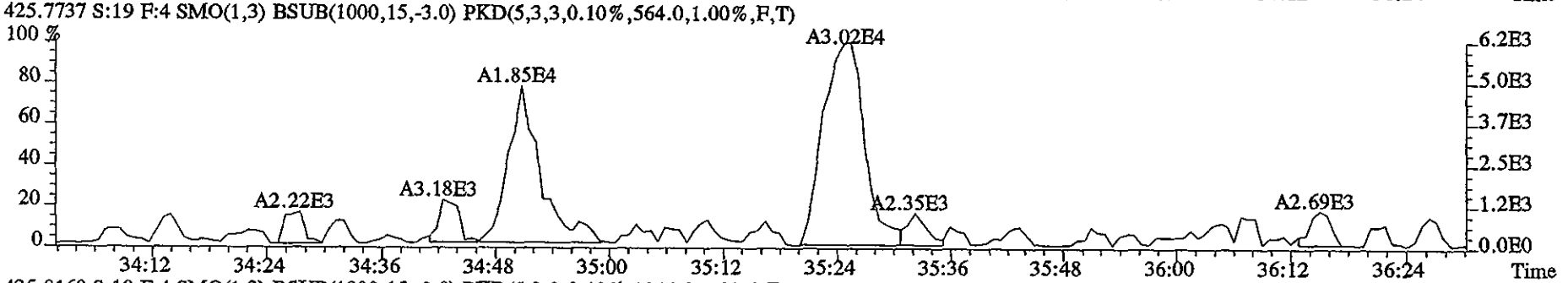


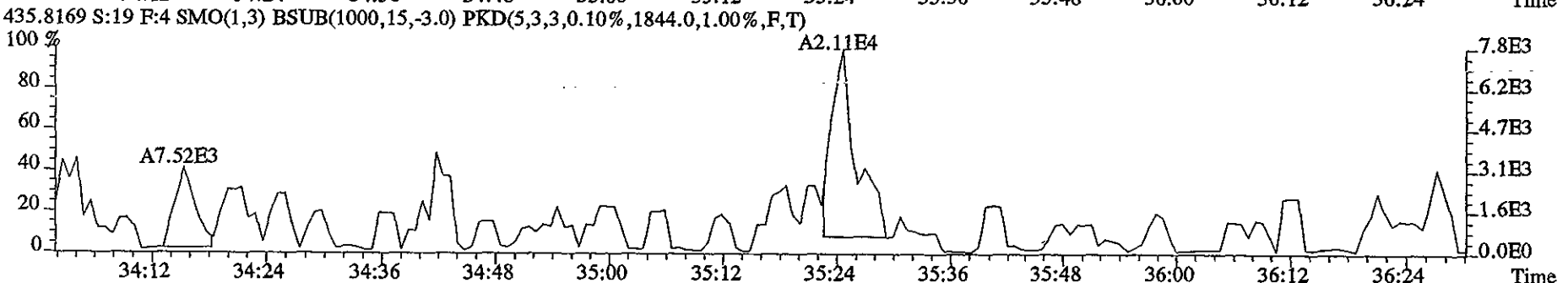


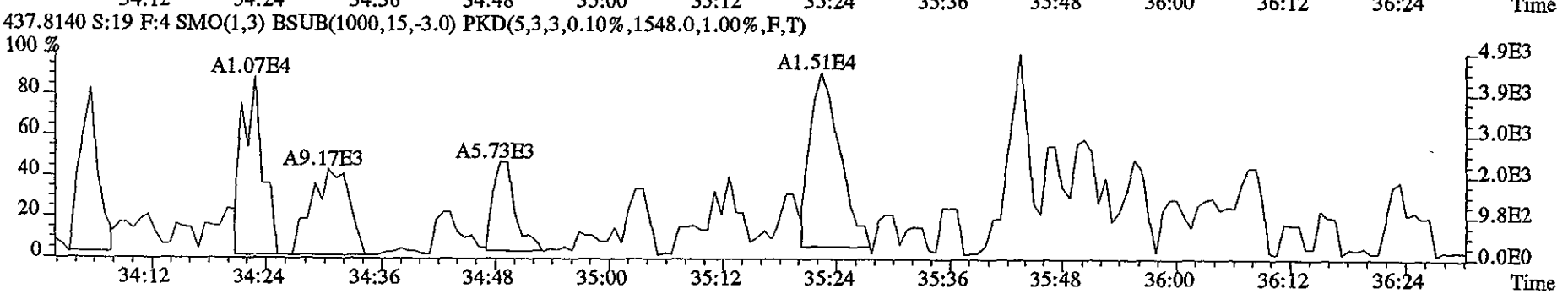


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

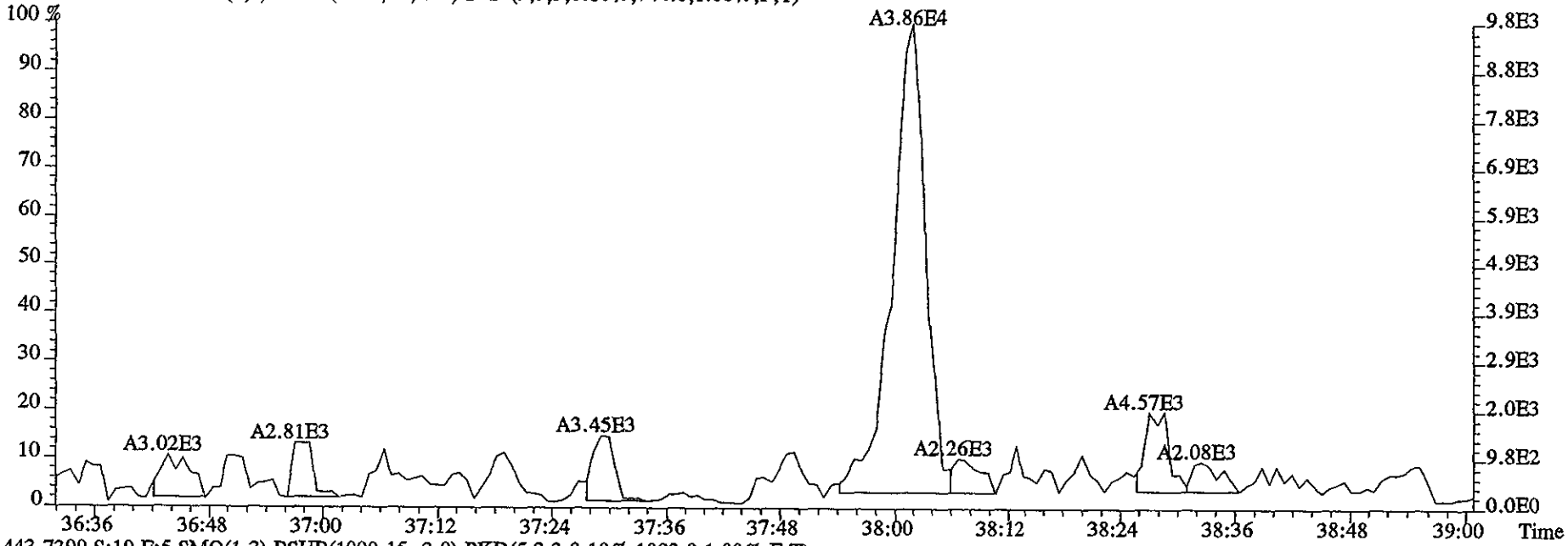




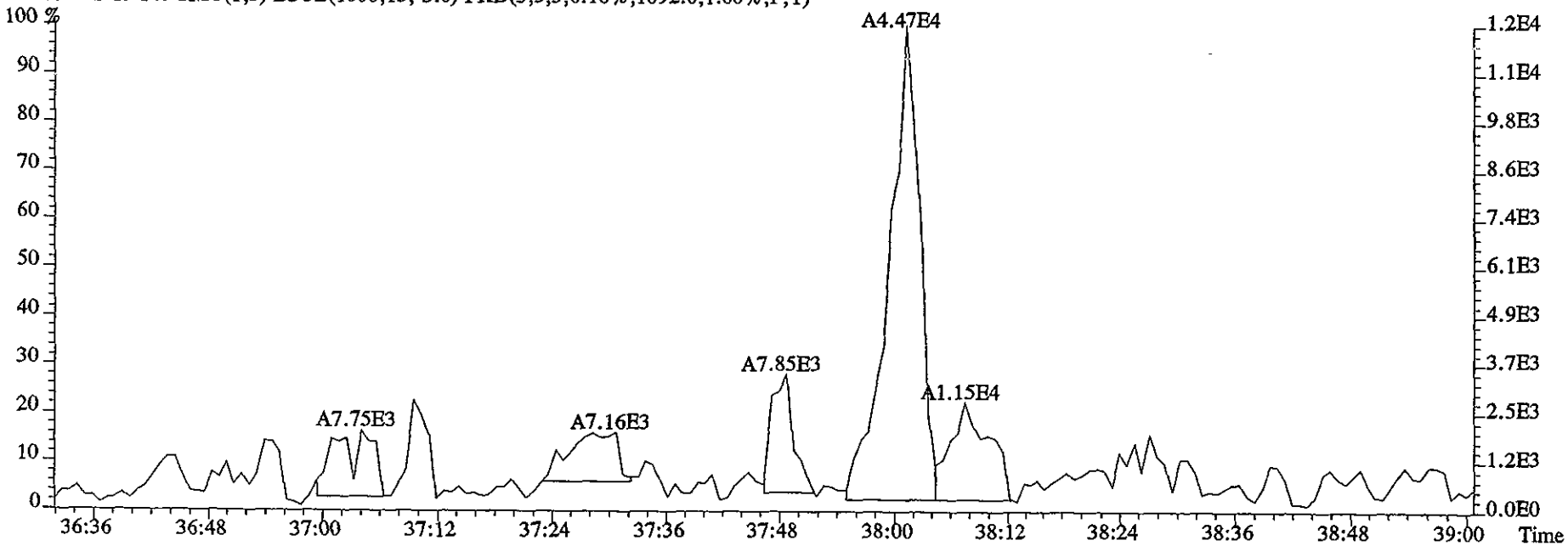




File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,744.0,1.00%,F,T)

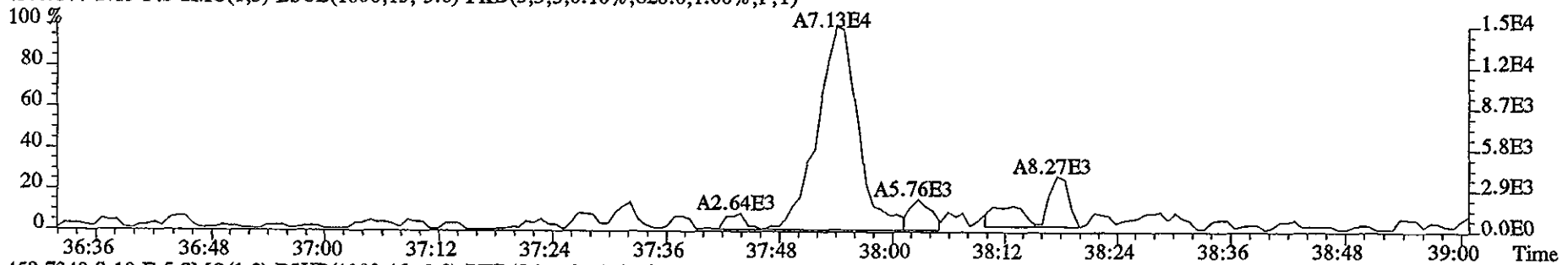


443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1092.0,1.00%,F,T)

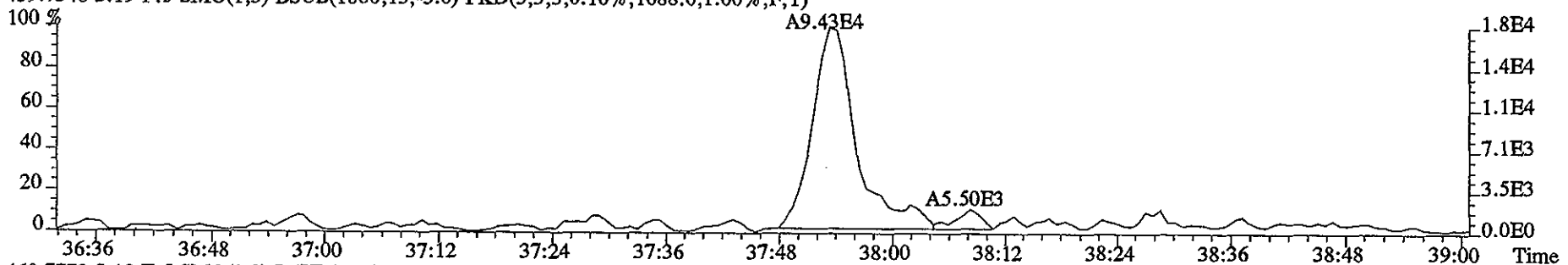


File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

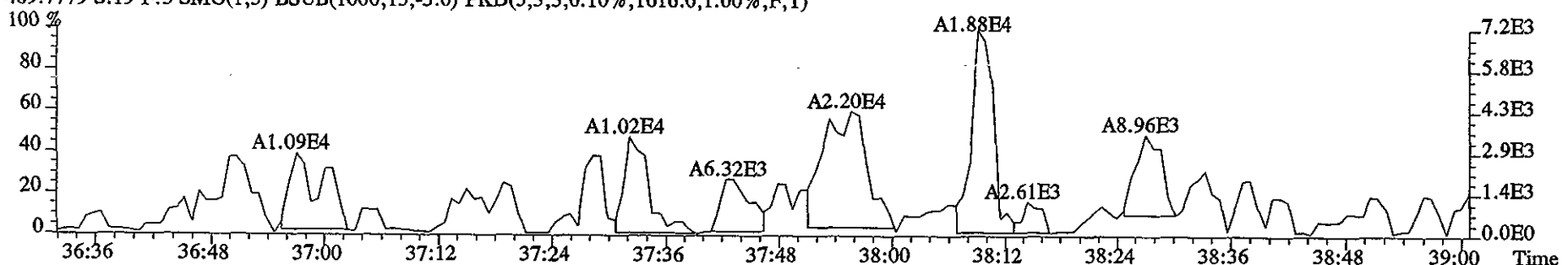
457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)



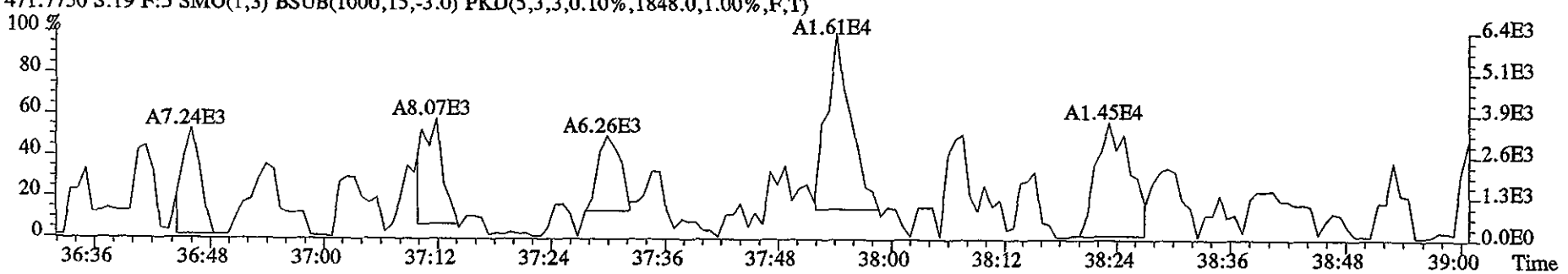
459.7348 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1088.0,1.00%,F,T)



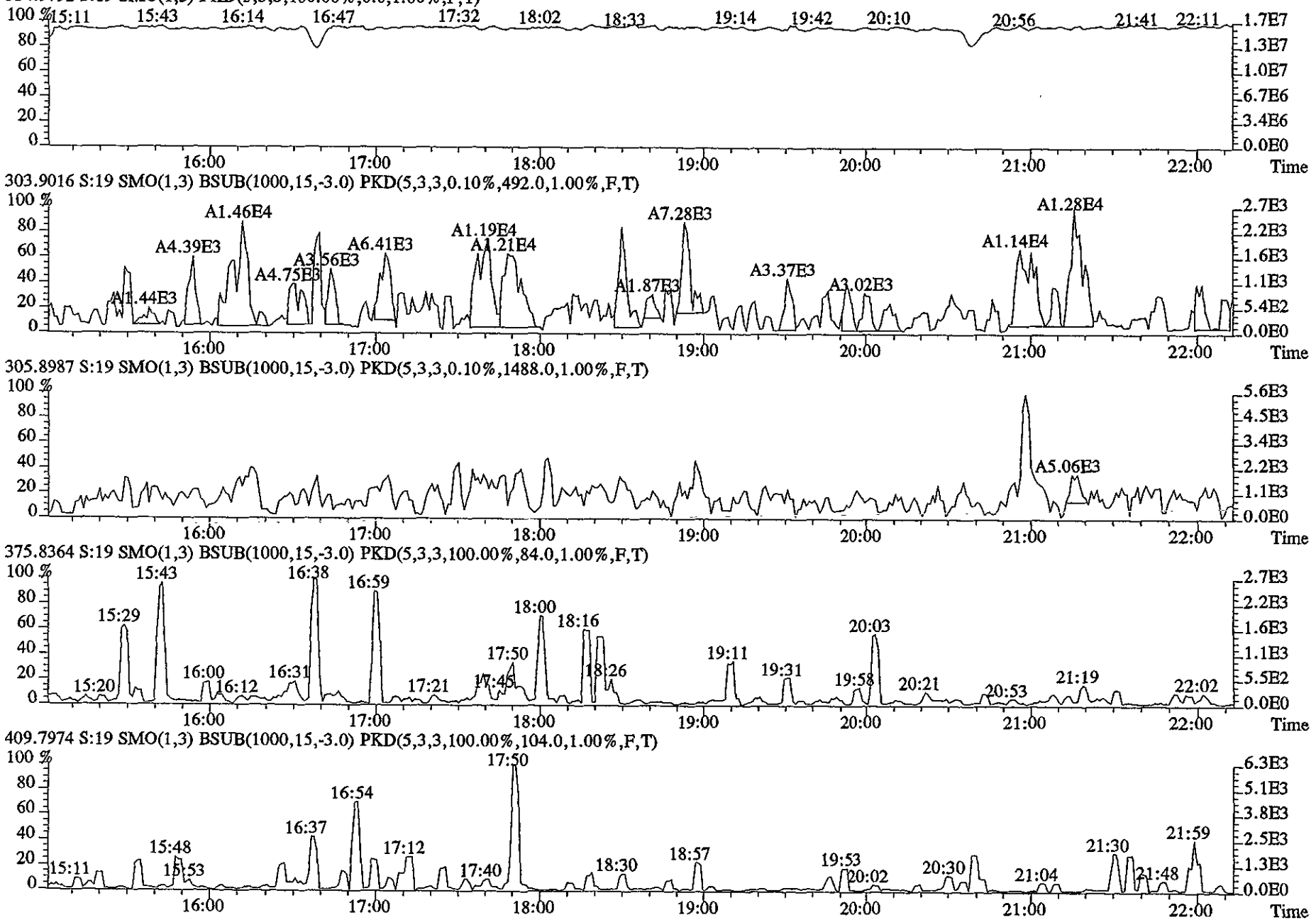
469.7779 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1616.0,1.00%,F,T)



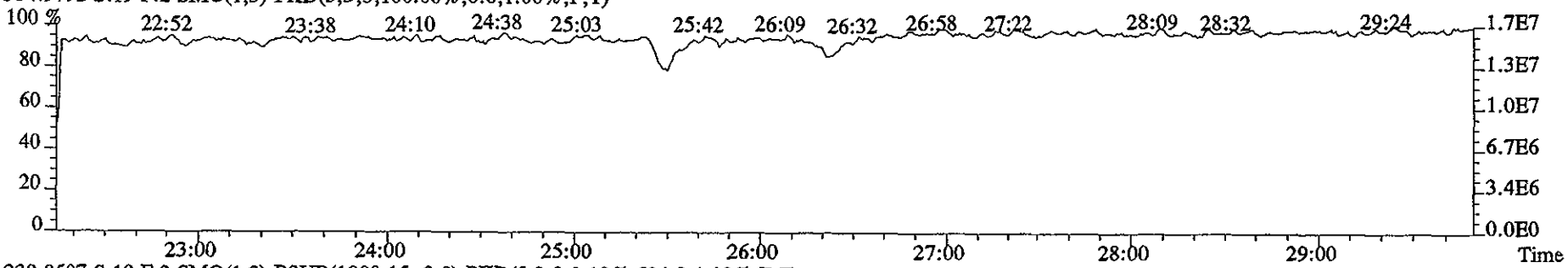
471.7750 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1848.0,1.00%,F,T)



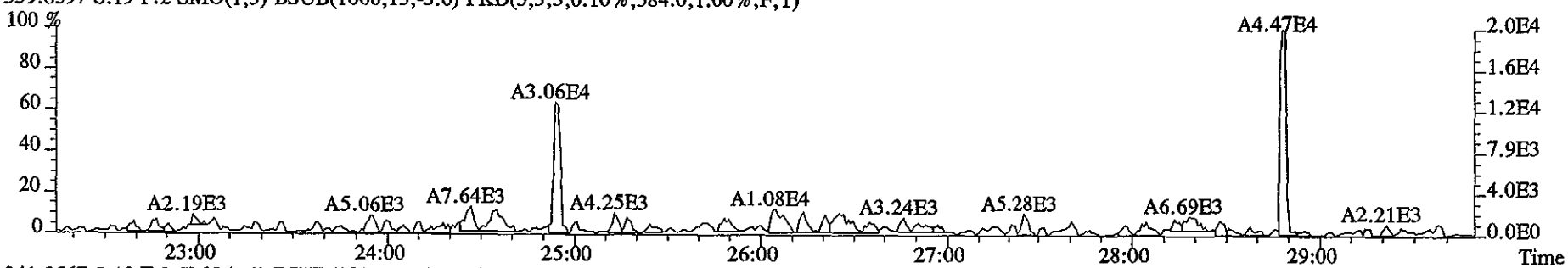
File:03MY10A4D5 #1-435 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A



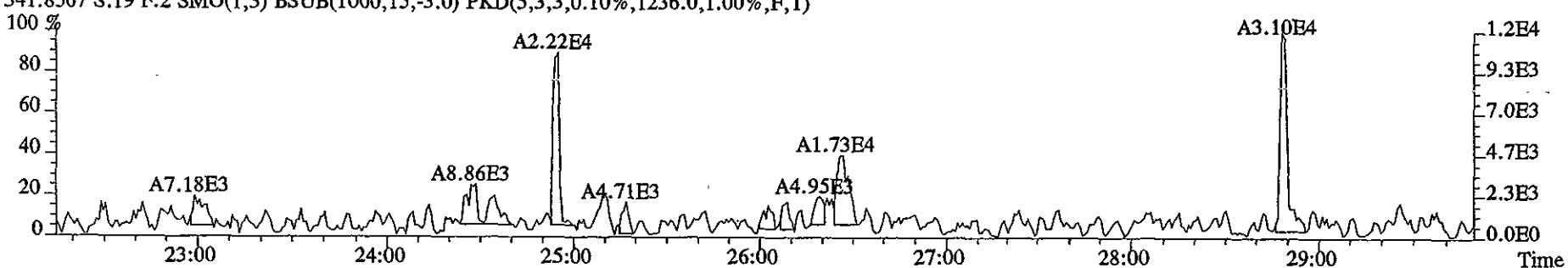
File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A
354.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



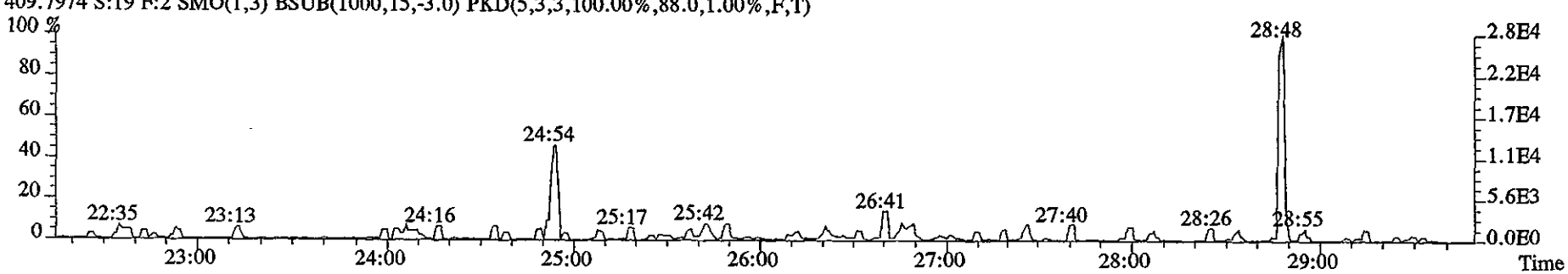
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,584.0,1.00%,F,T)



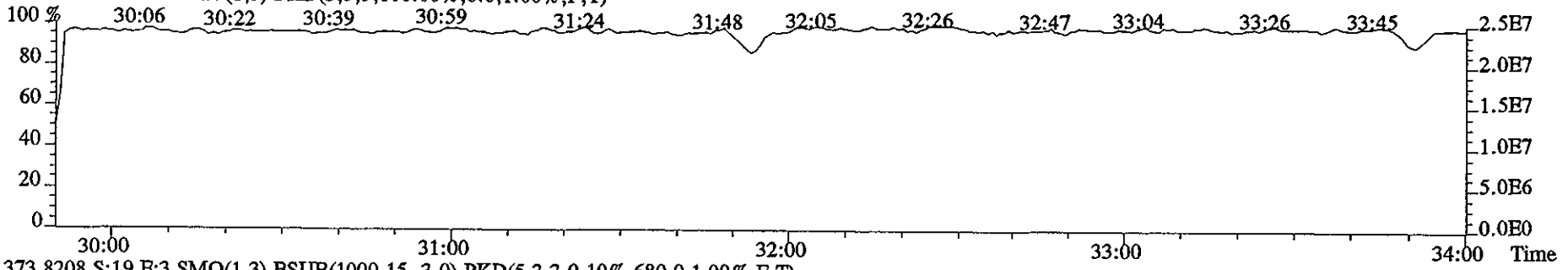
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1236.0,1.00%,F,T)



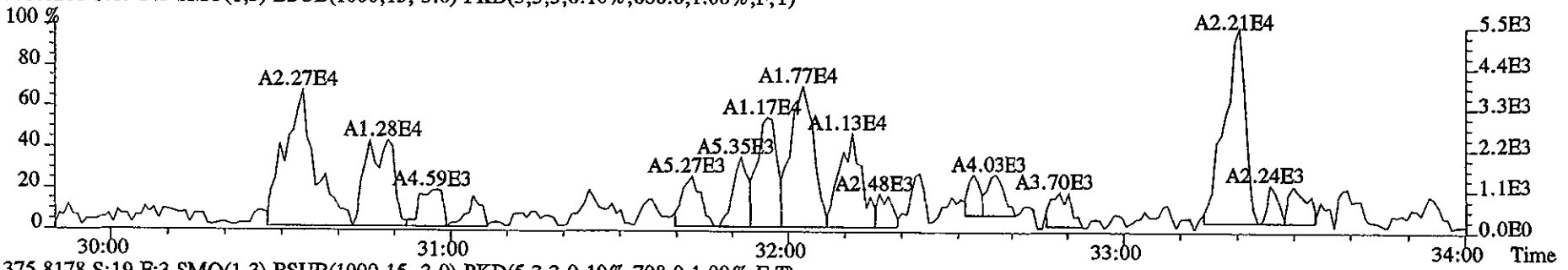
409.7974 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,88.0,1.00%,F,T)



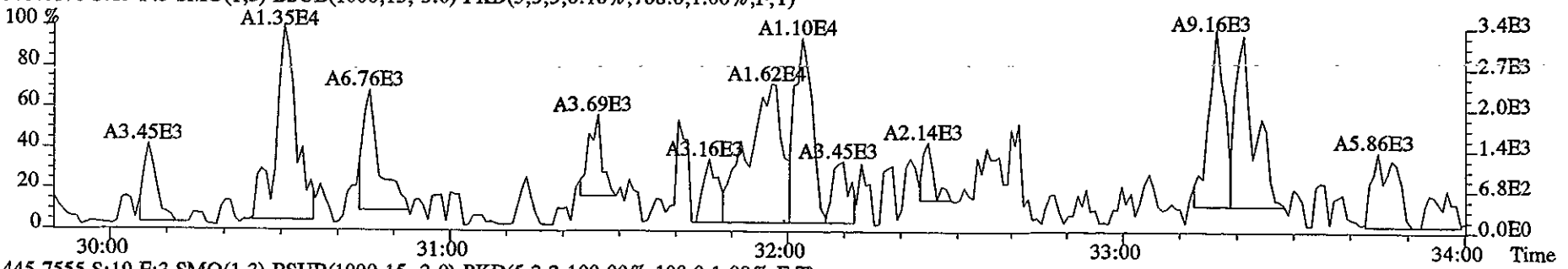
File:03MY10A4D5 #1-316 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A
430.9728 S:19 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



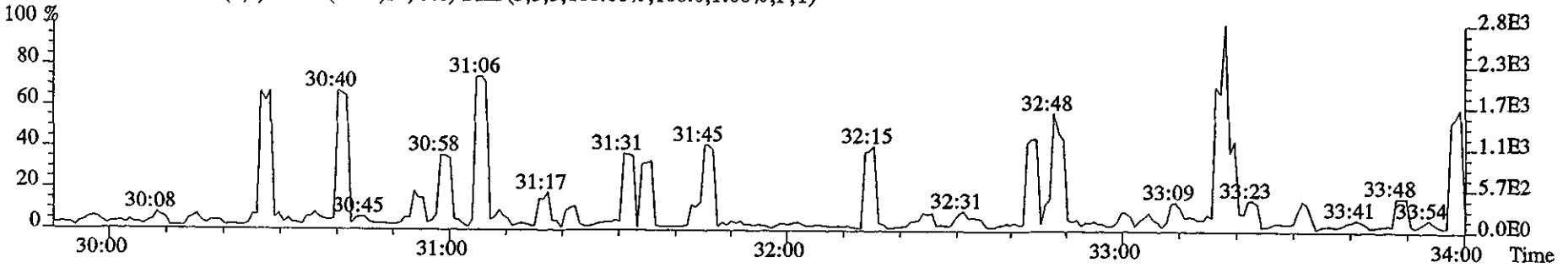
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)



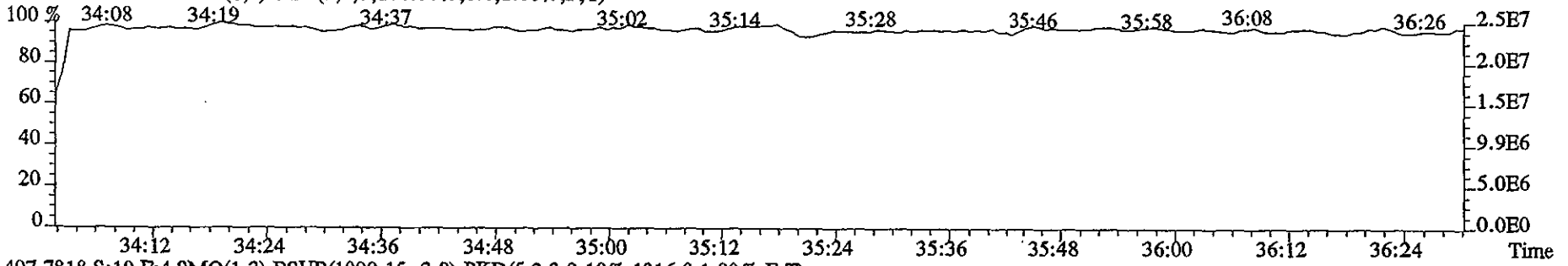
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,708.0,1.00%,F,T)

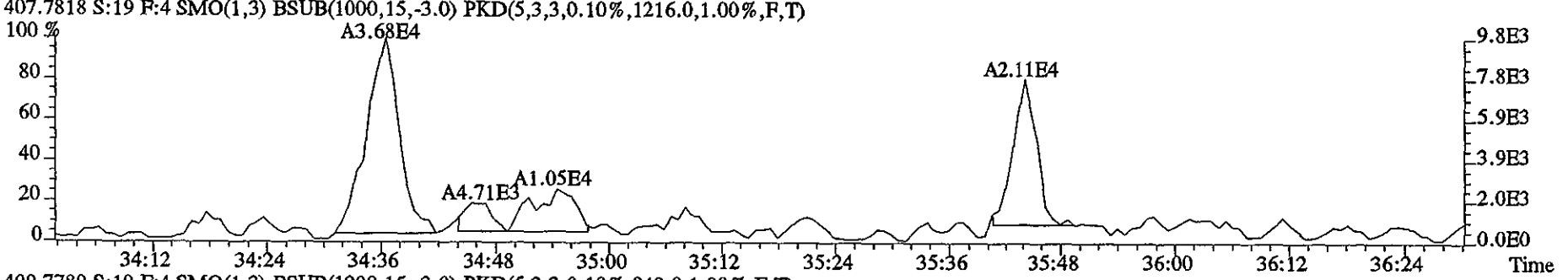


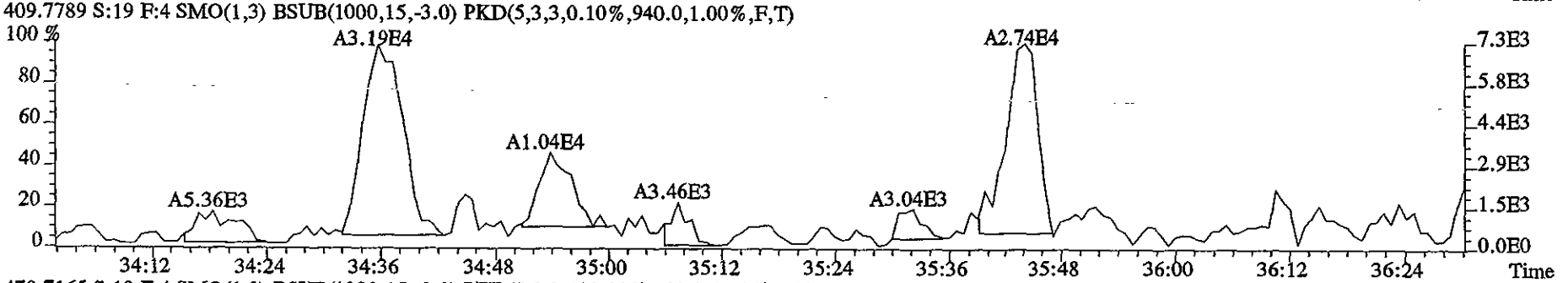
445.7555 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)

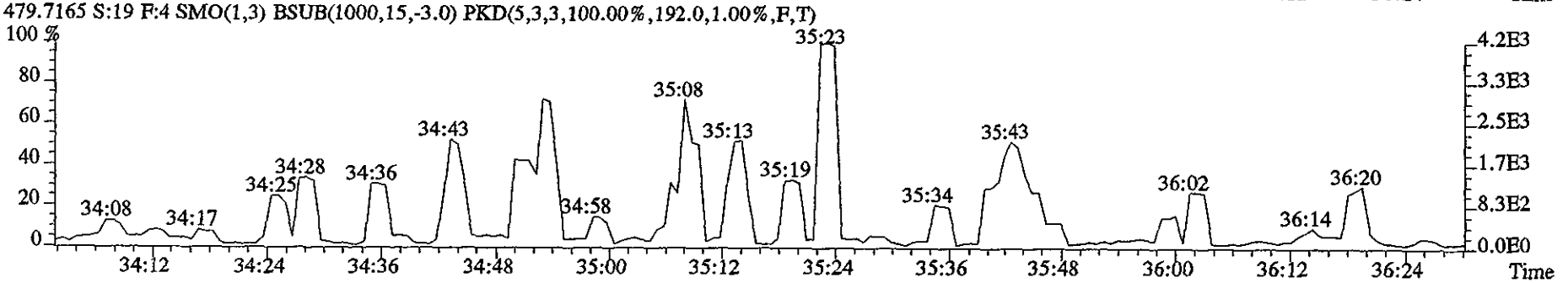


File:03MY10A4D5 #1-198 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A

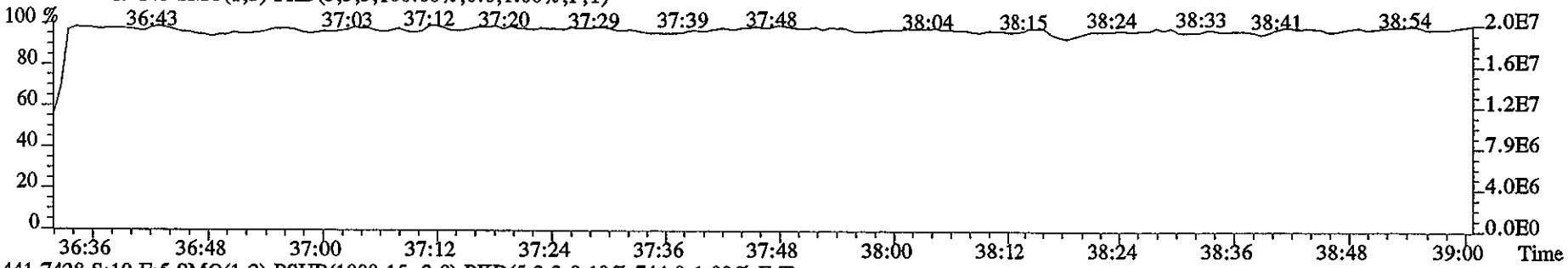




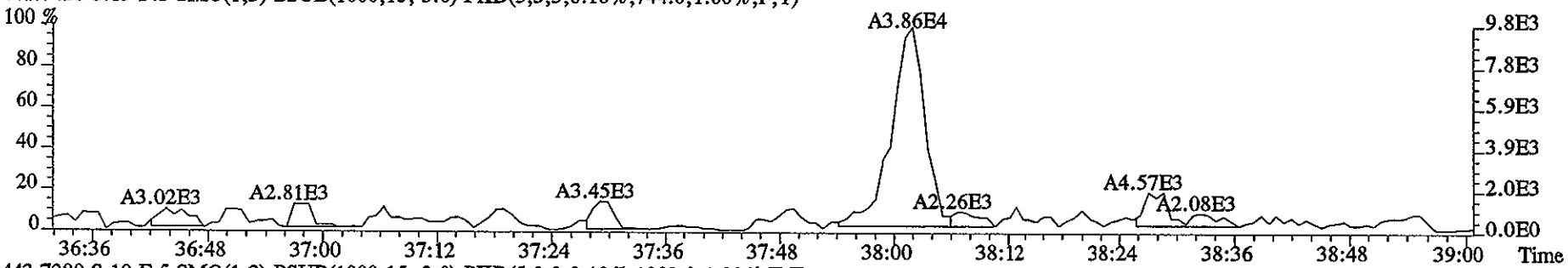




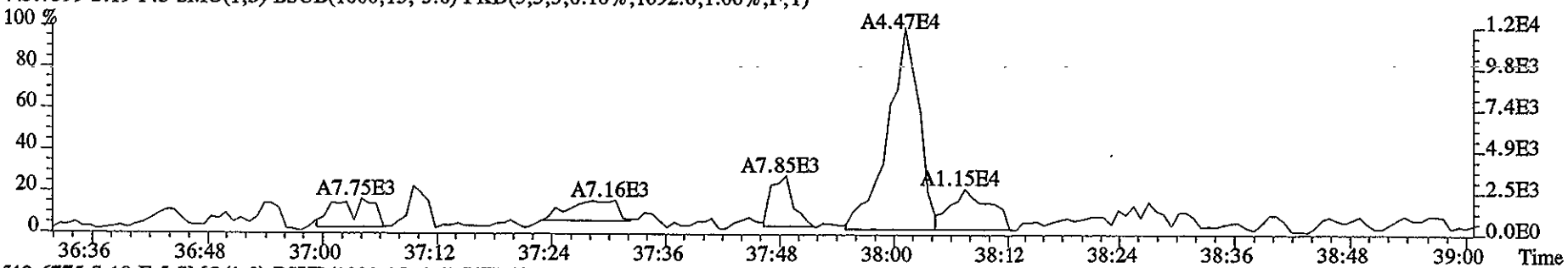
File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 00:27:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:SB0503B :Solvent Blank C-14 Exp:DIOXINRES8290A
442.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



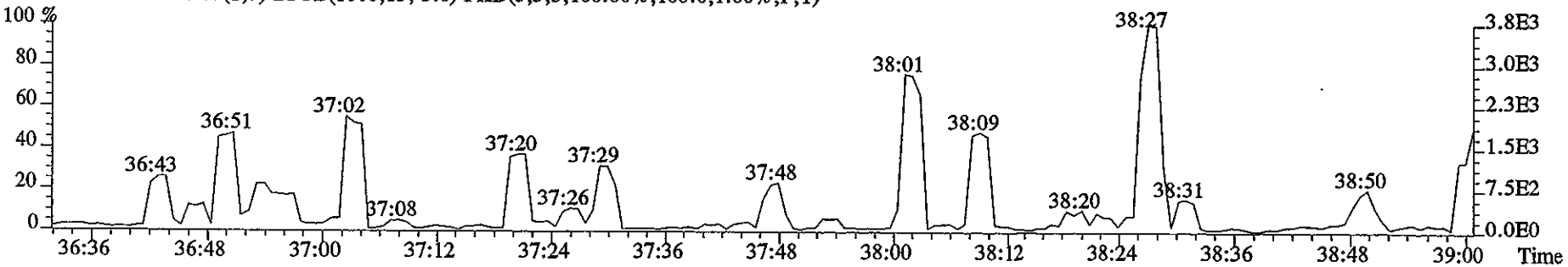
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,744.0,1.00%,F,T)



443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1092.0,1.00%,F,T)

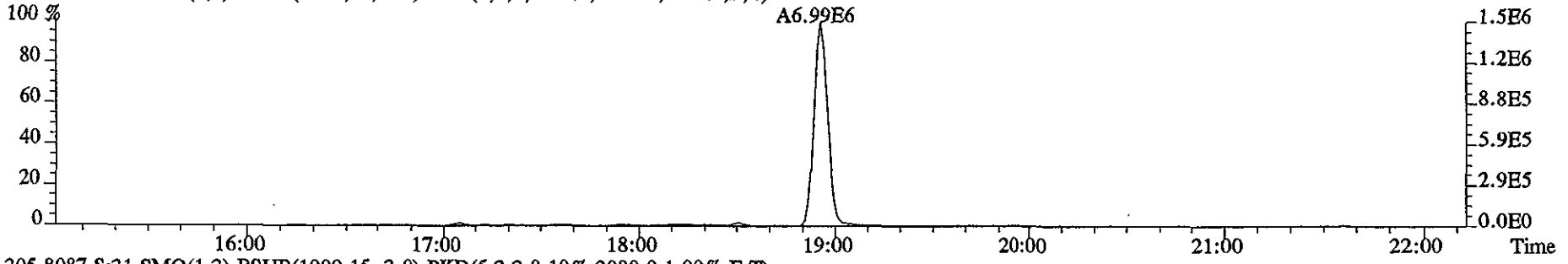


513.6775 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,100.0,1.00%,F,T)

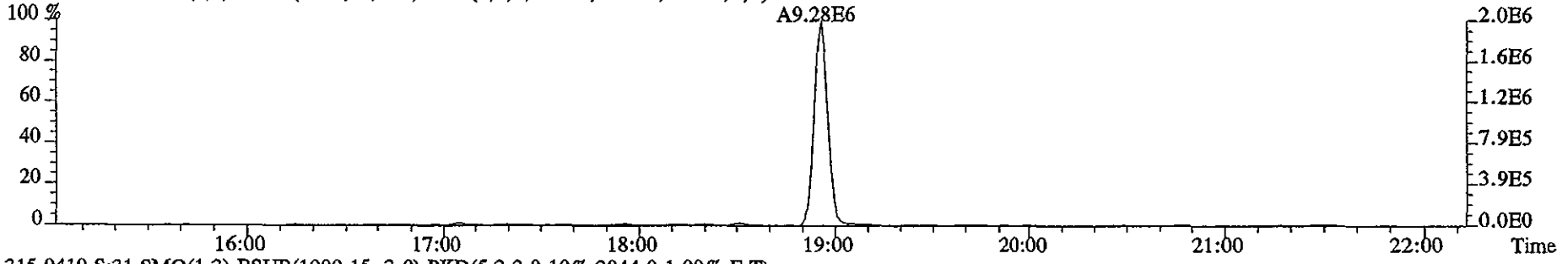


File:03MY10A4D5 #1-434 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

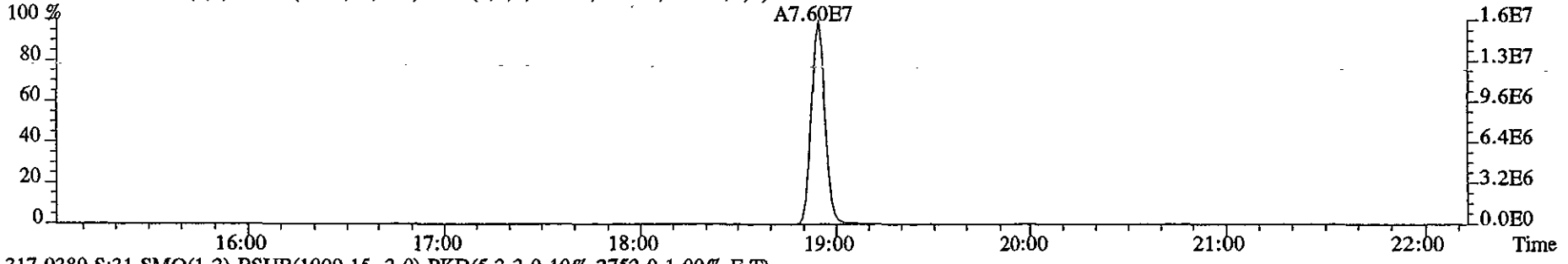
303.9016 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2148.0,1.00%,F,T)



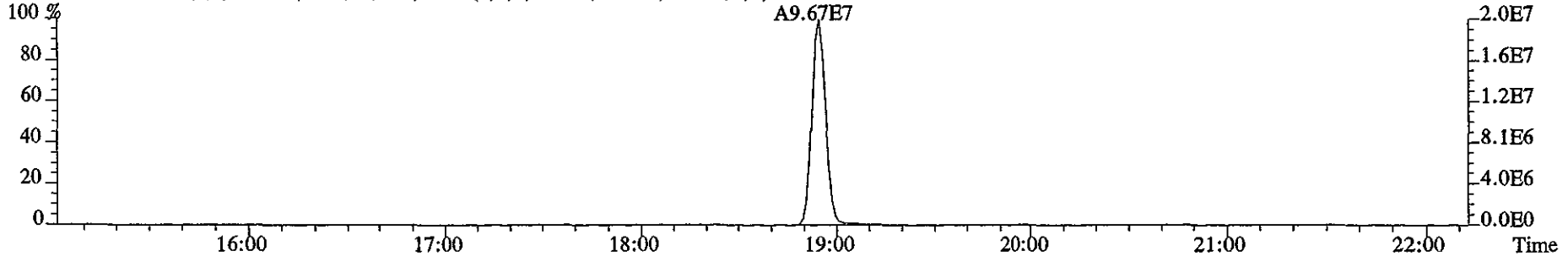
305.8987 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3088.0,1.00%,F,T)



315.9419 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3944.0,1.00%,F,T)

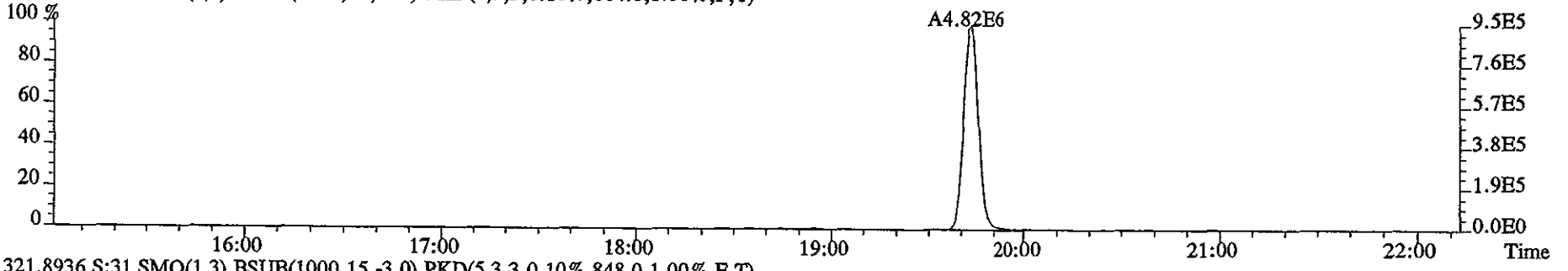


317.9389 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T)

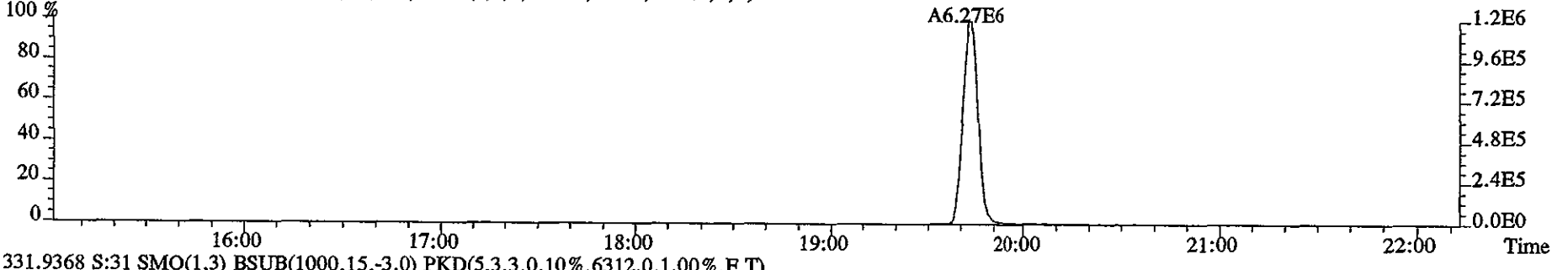


File:03MY10A4D5 #1-434 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

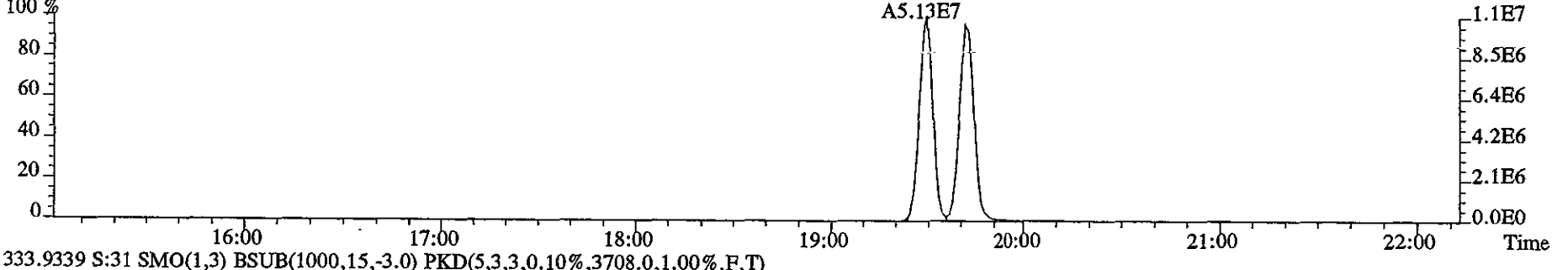
319.8965 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,604.0,1.00%,F,T)



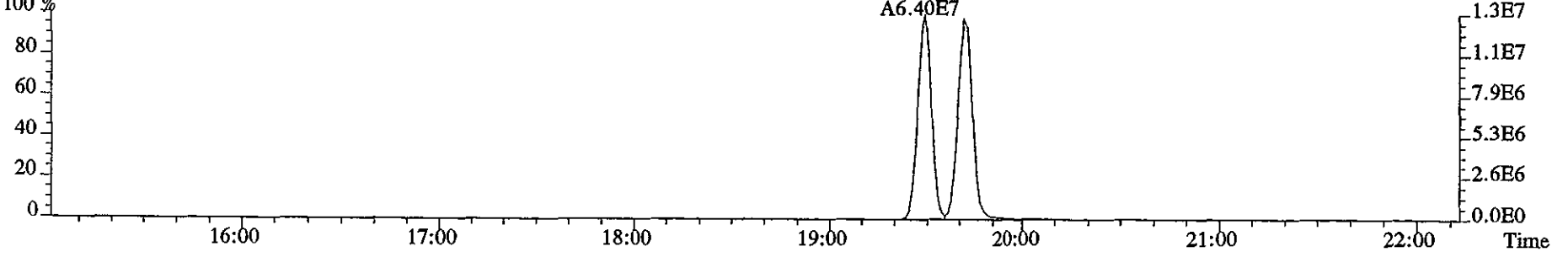
321.8936 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



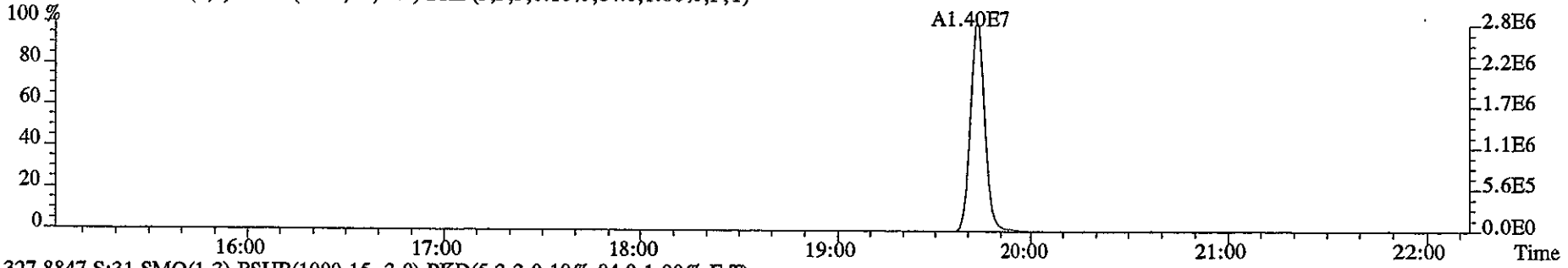
331.9368 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6312.0,1.00%,F,T)



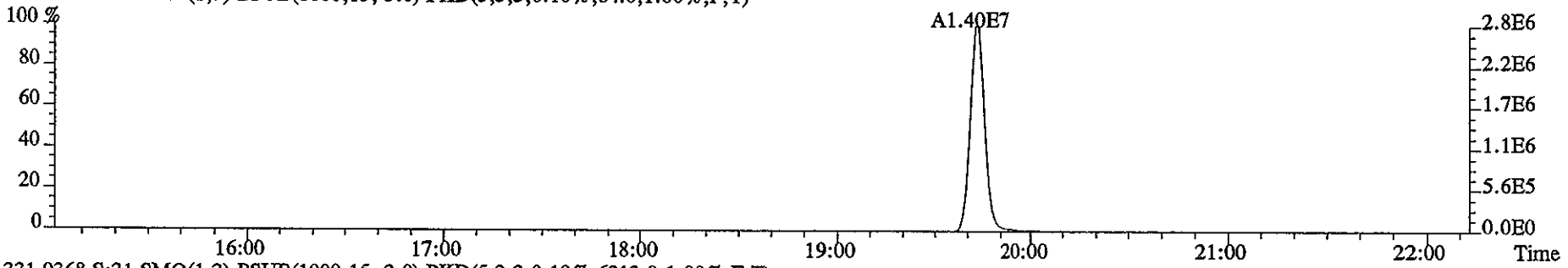
333.9339 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3708.0,1.00%,F,T)



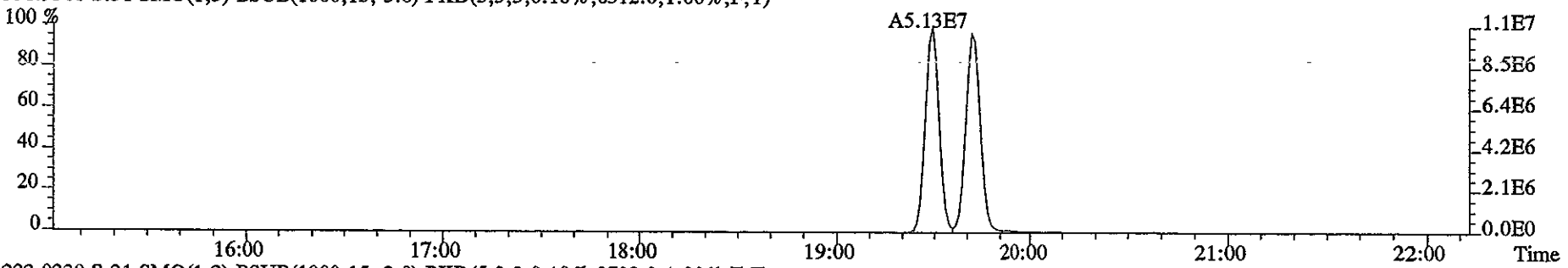
File:03MY10A4D5 #1-434 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A
327.8847 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



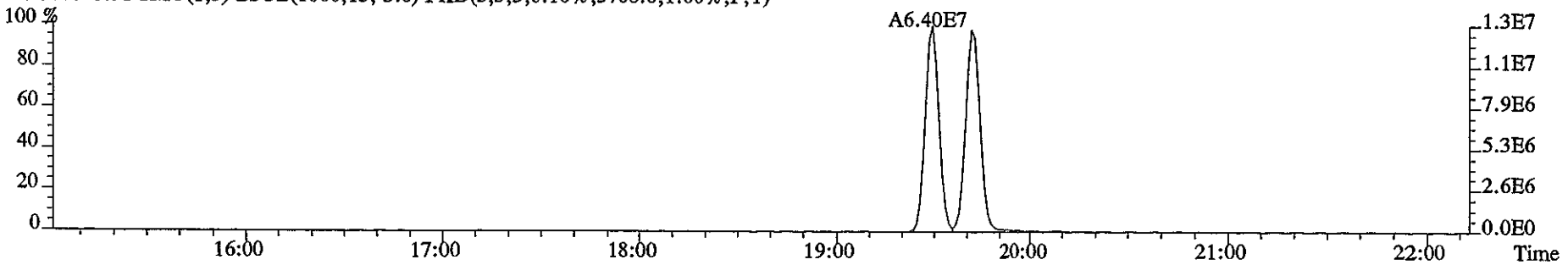
327.8847 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



331.9368 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6312.0,1.00%,F,T)

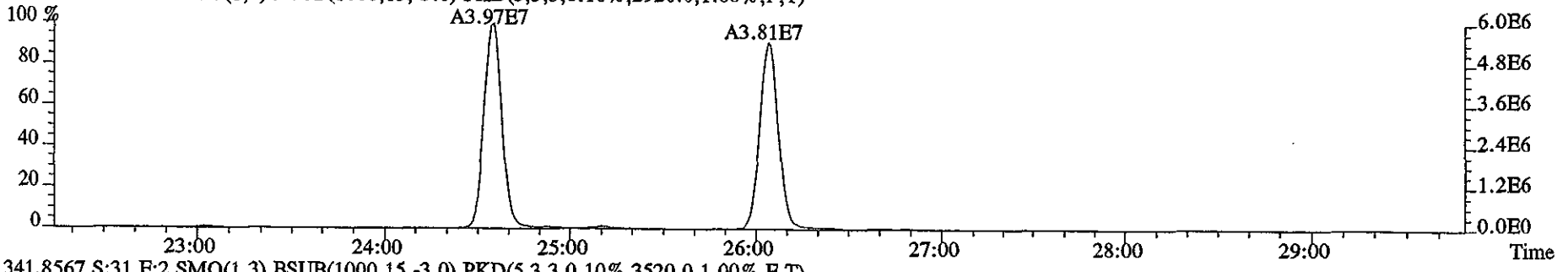


333.9339 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3708.0,1.00%,F,T)

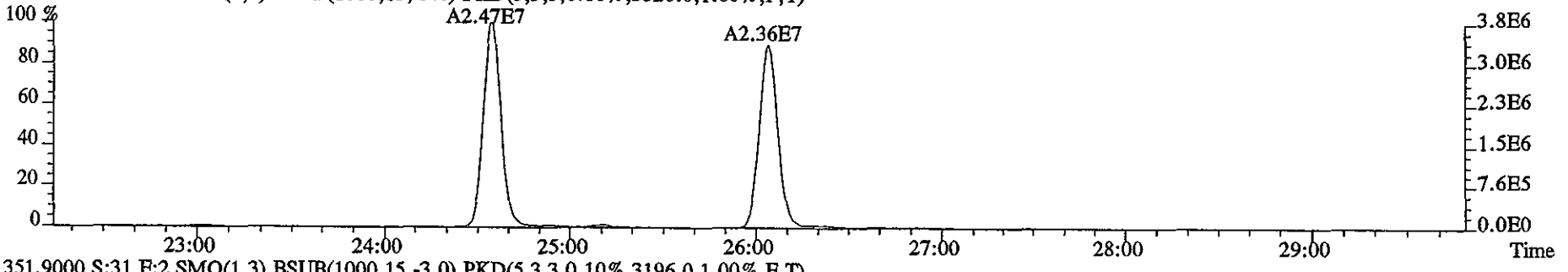


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

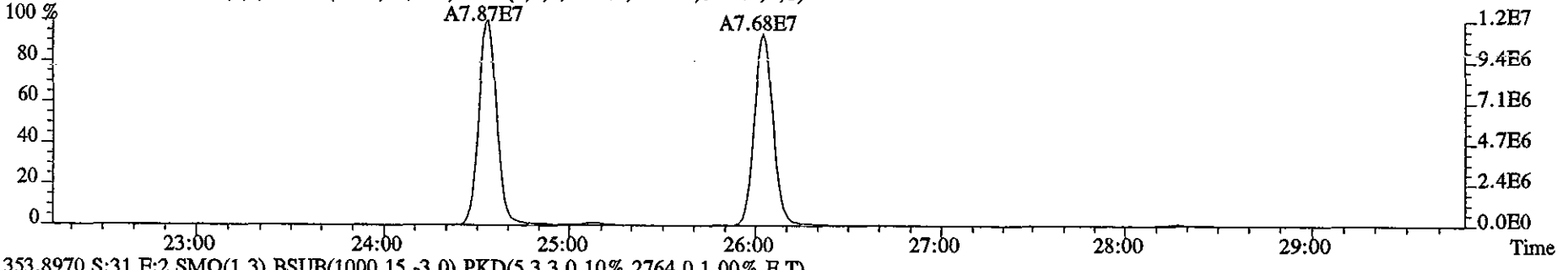
339.8597 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2920.0,1.00%,F,T)



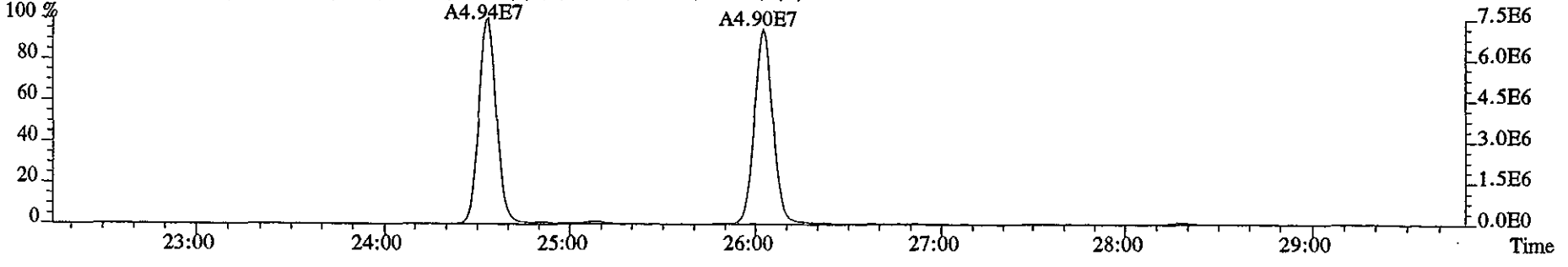
341.8567 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3520.0,1.00%,F,T)



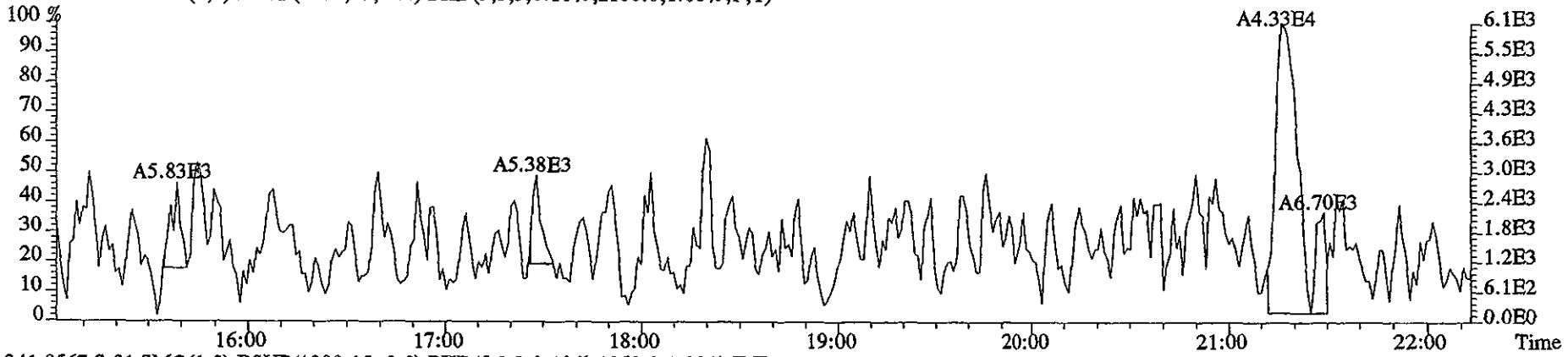
351.9000 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)



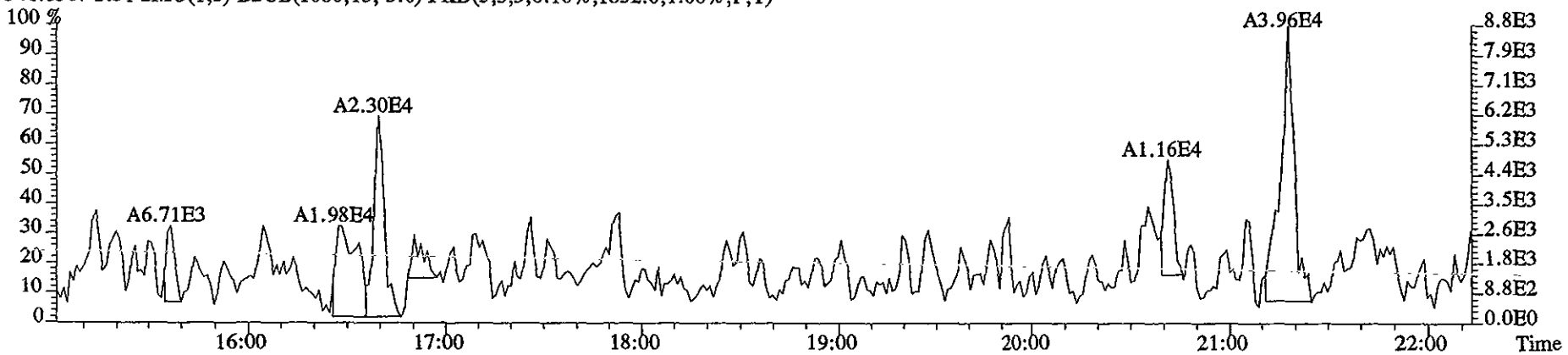
353.8970 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2764.0,1.00%,F,T)



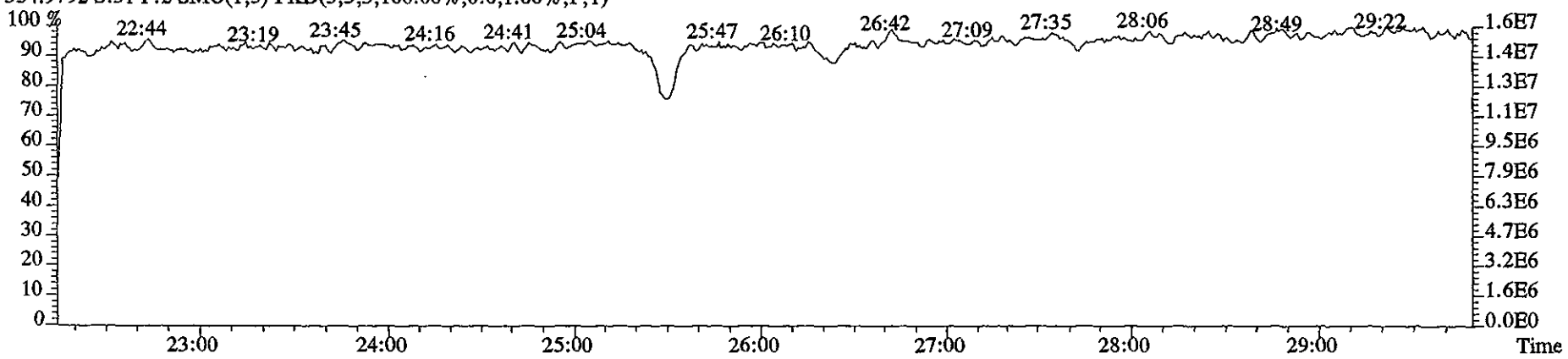
File:03MY10A4D5 #1-434 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2100.0,1.00%,F,T)



341.8567 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1852.0,1.00%,F,T)

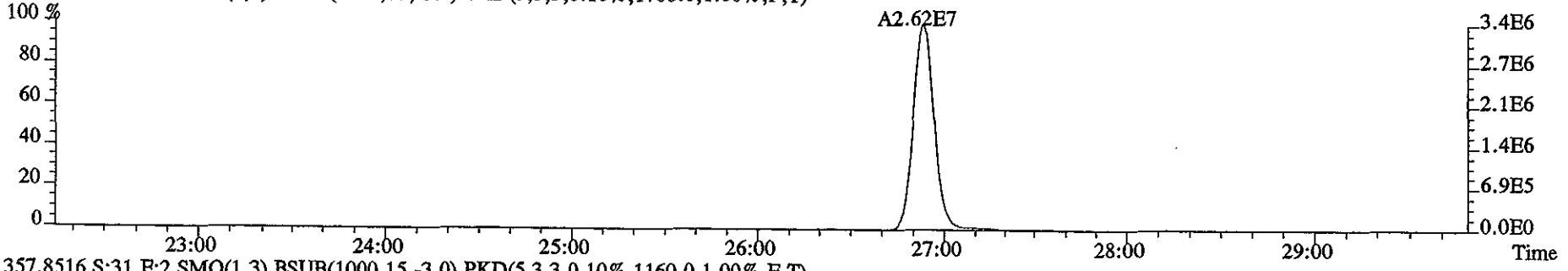


354.9792 S:31 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

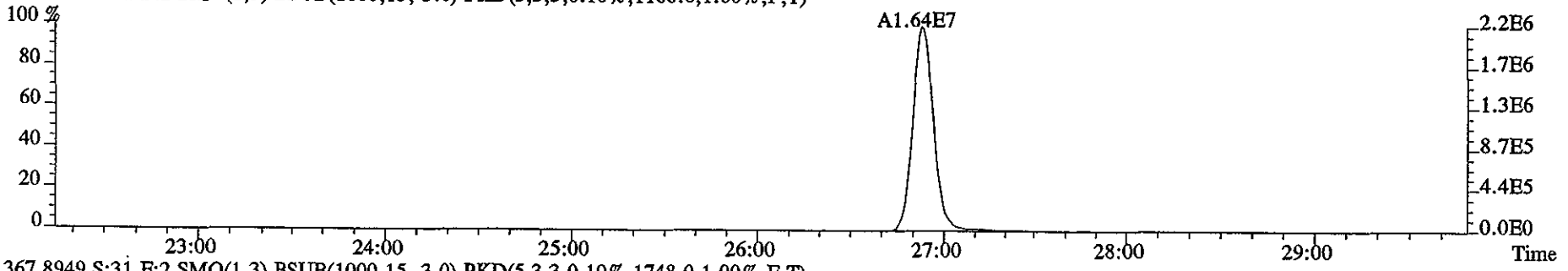


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

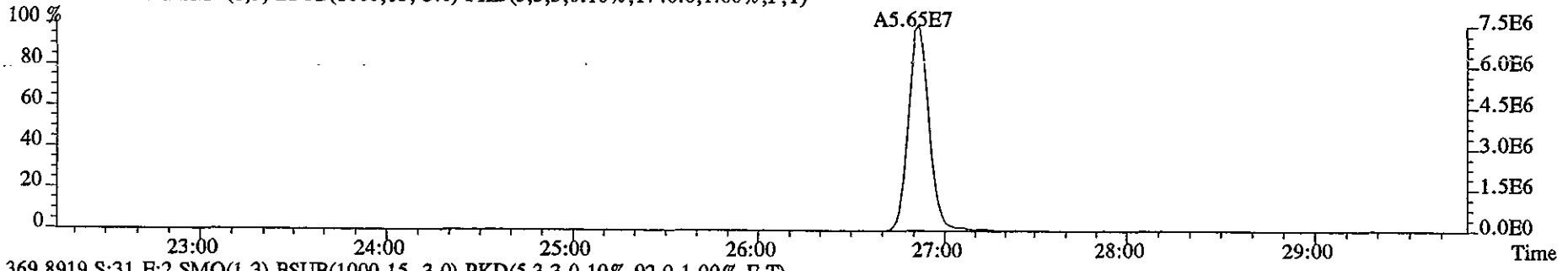
355.8546 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



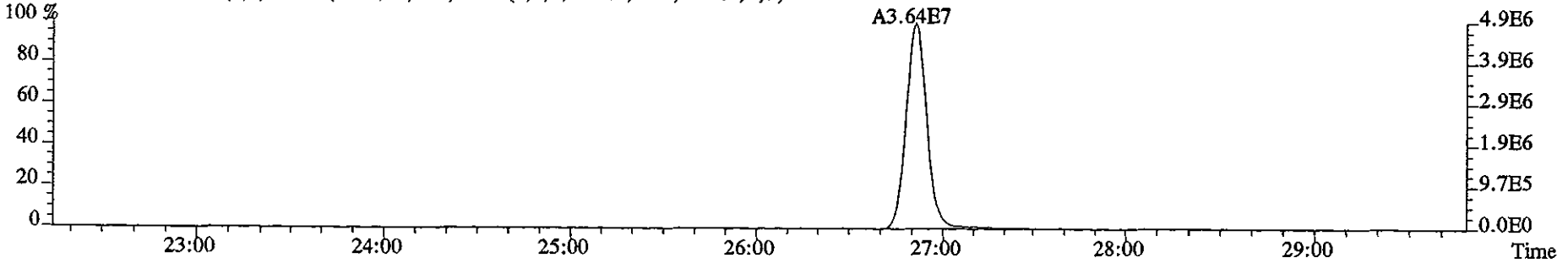
357.8516 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1160.0,1.00%,F,T)



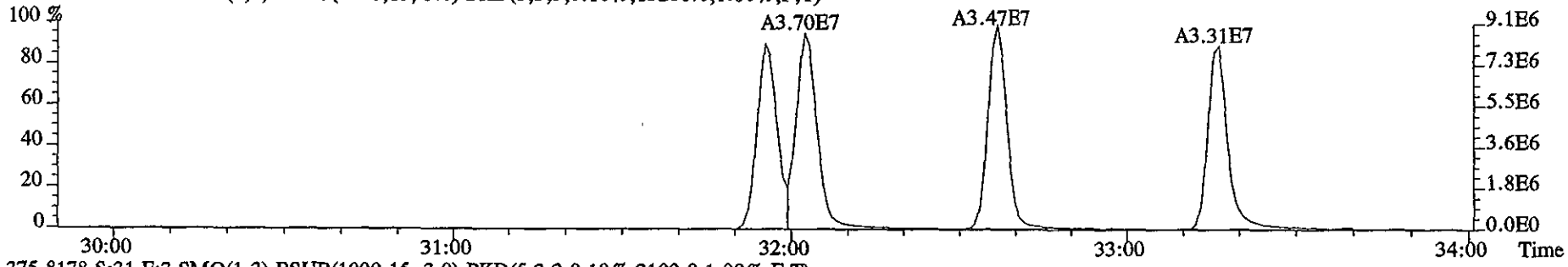
367.8949 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1748.0,1.00%,F,T)



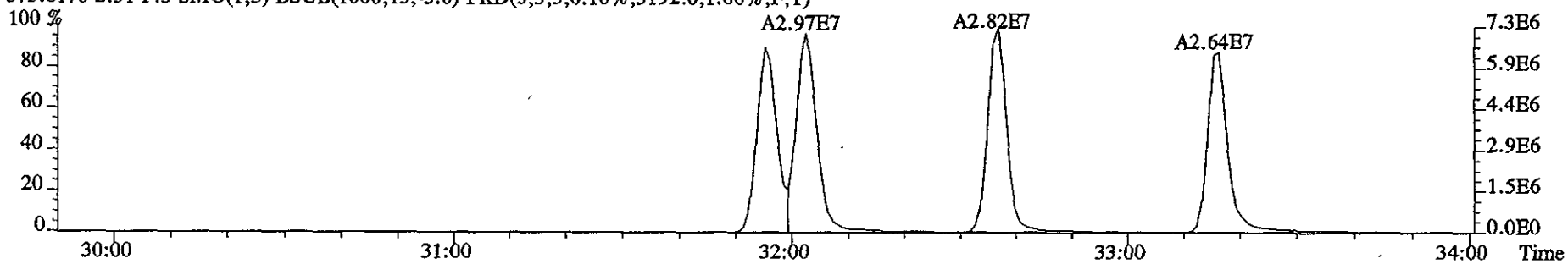
369.8919 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)



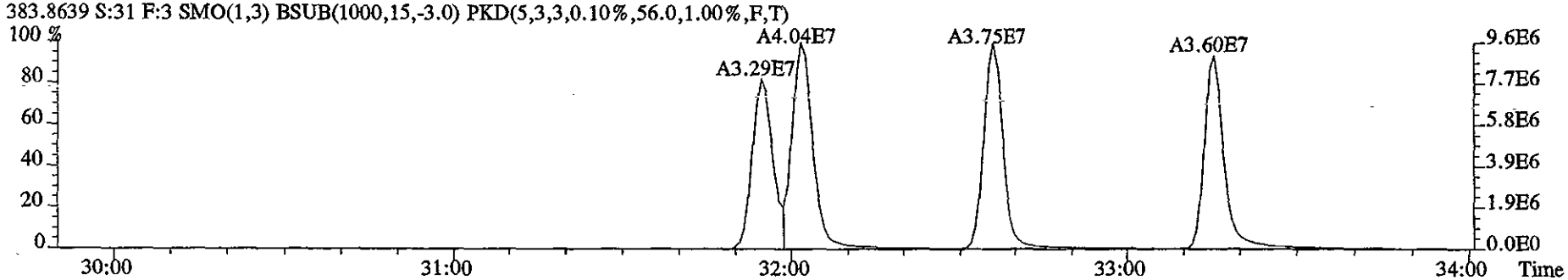
File:03MY10A4D5 #1-317 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A
373.8208 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15208.0,1.00%,F,T)



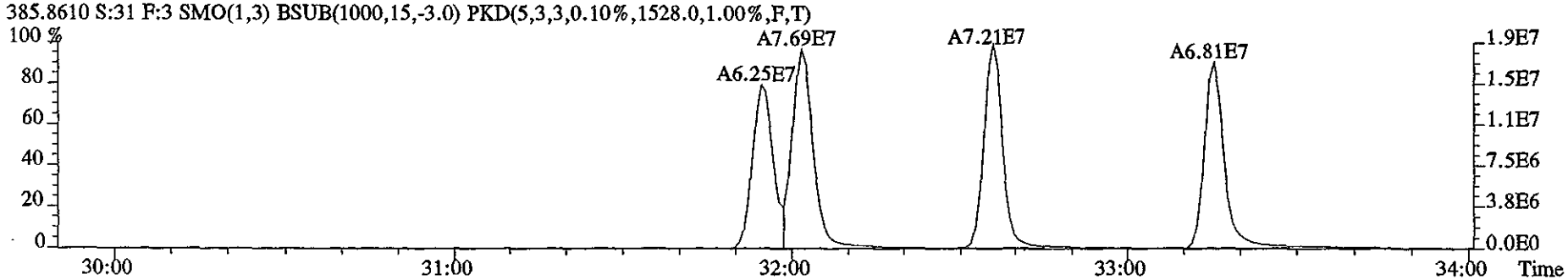
375.8178 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3192.0,1.00%,F,T)



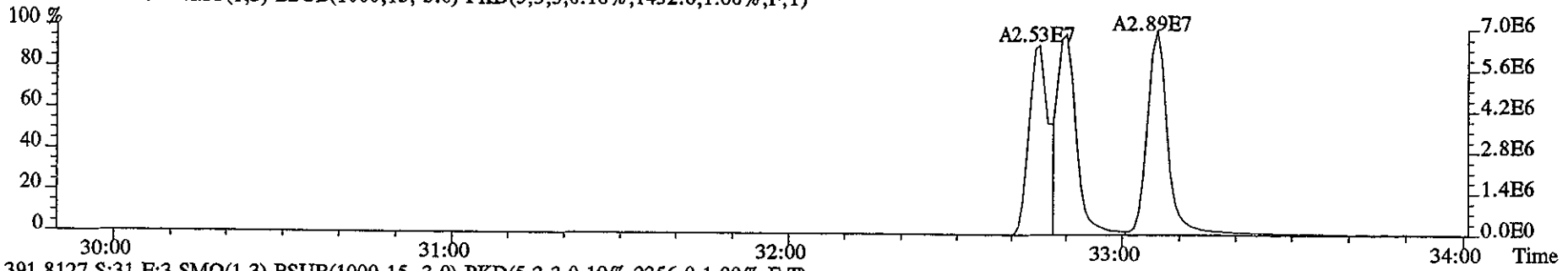
383.8639 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



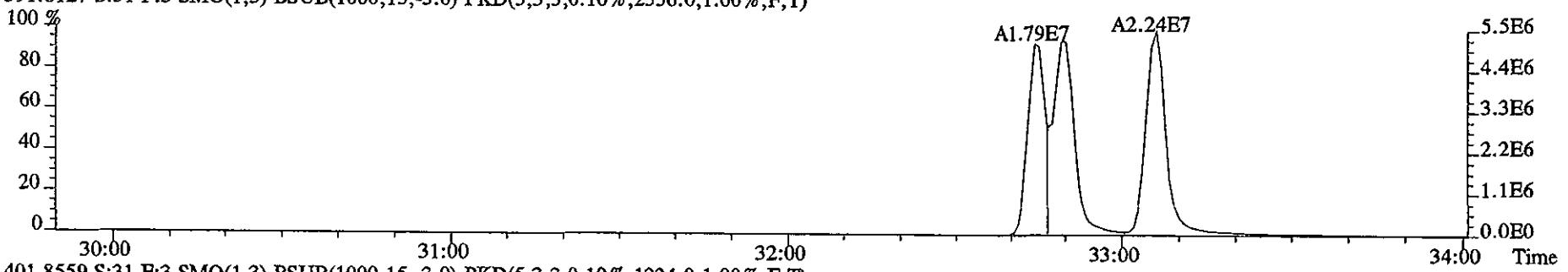
385.8610 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



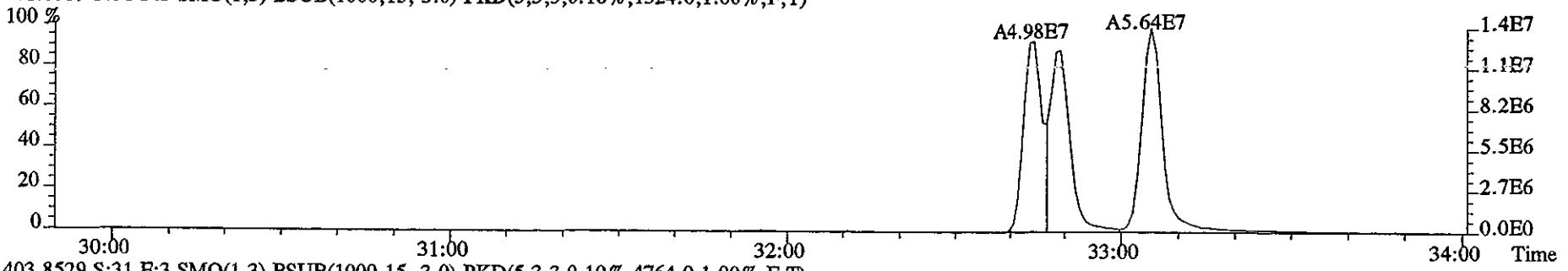
File:03MY10A4D5 #1-317 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A
389.8157 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1432.0,1.00%,F,T)



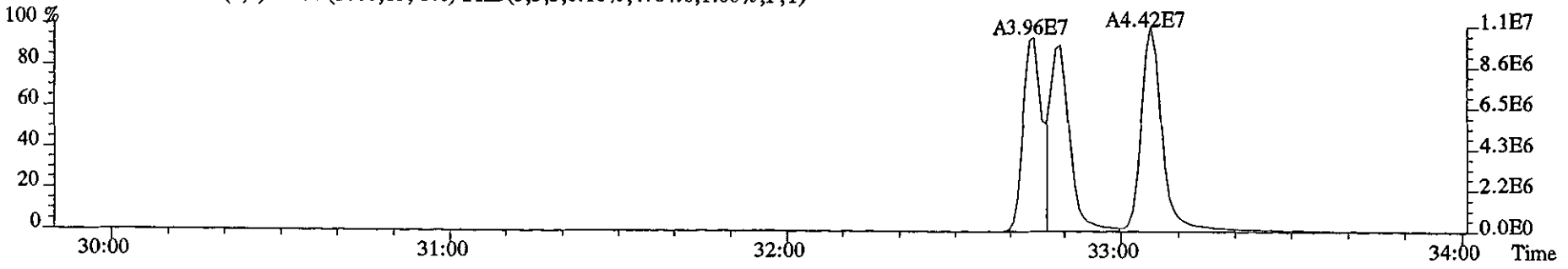
391.8127 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2356.0,1.00%,F,T)



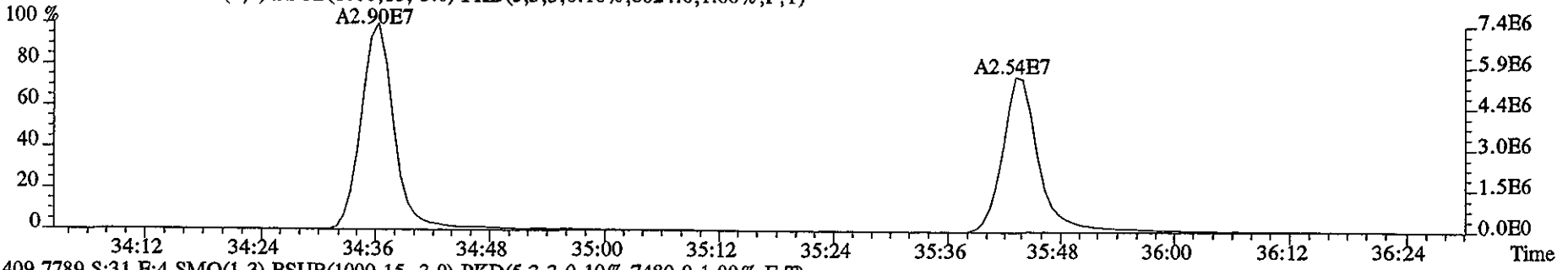
401.8559 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



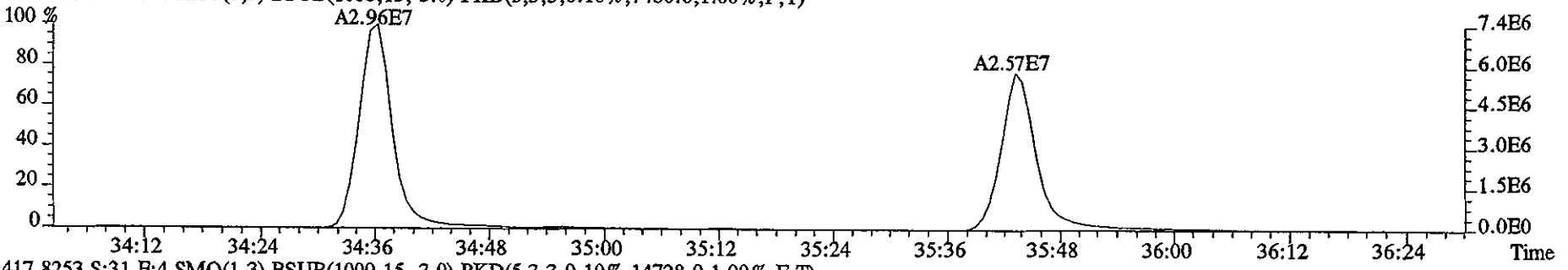
403.8529 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4764.0,1.00%,F,T)



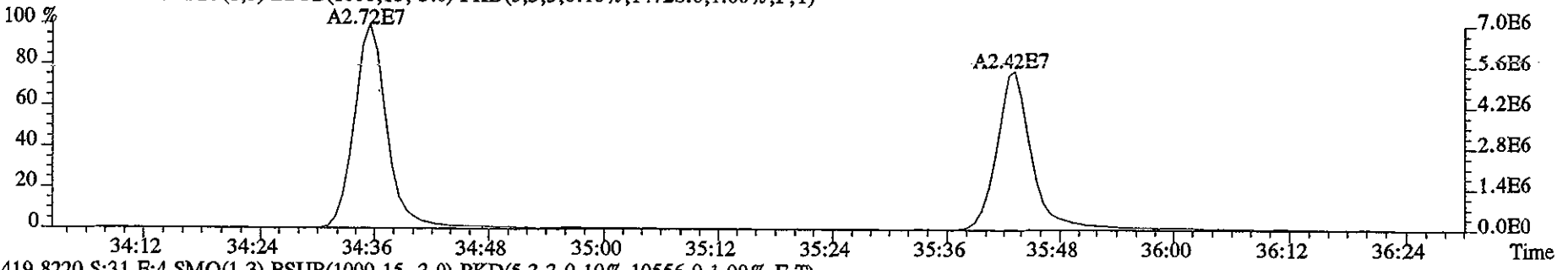
File:03MY10A4D5 #1-197 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A
407.7818 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8024.0,1.00%,F,T)



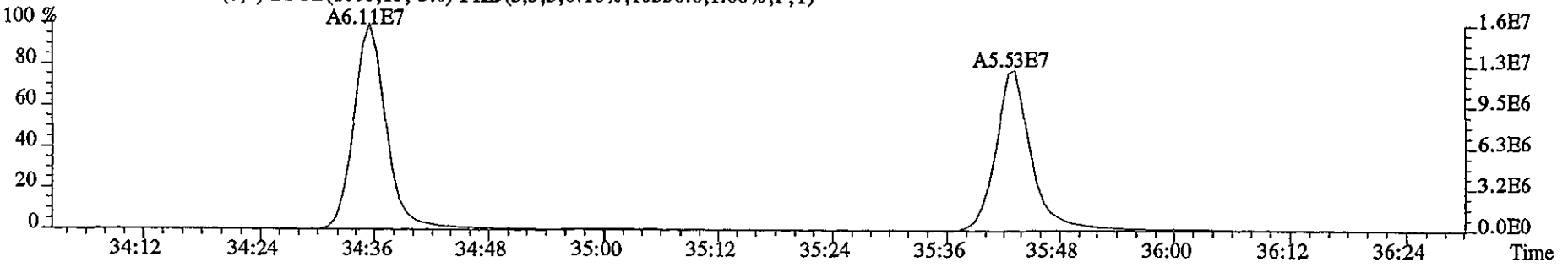
409.7789 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7480.0,1.00%,F,T)



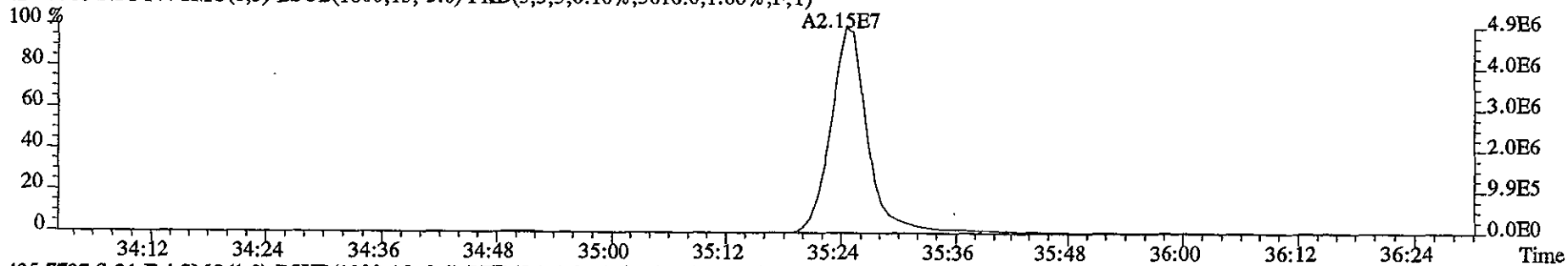
417.8253 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14728.0,1.00%,F,T)

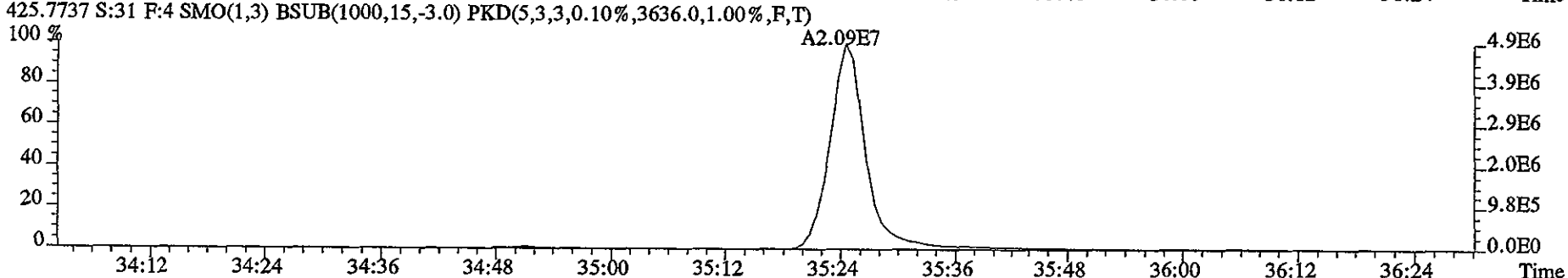


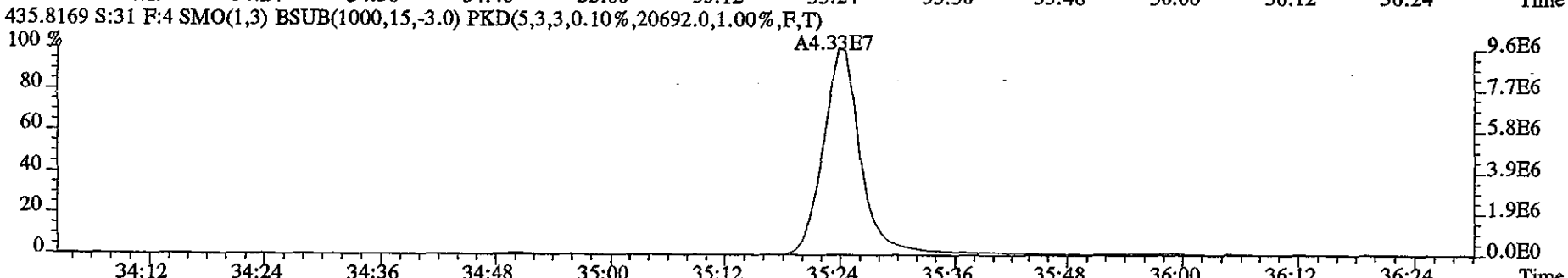
419.8220 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10556.0,1.00%,F,T)

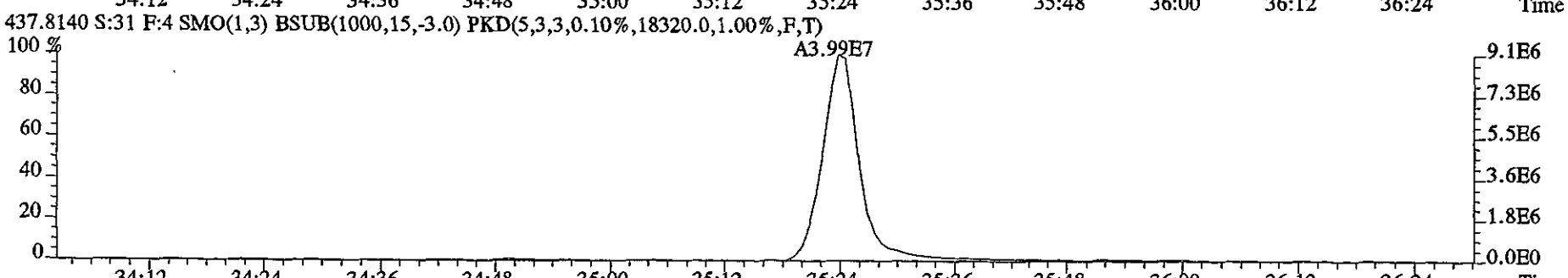


File:03MY10A4D5 #1-197 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

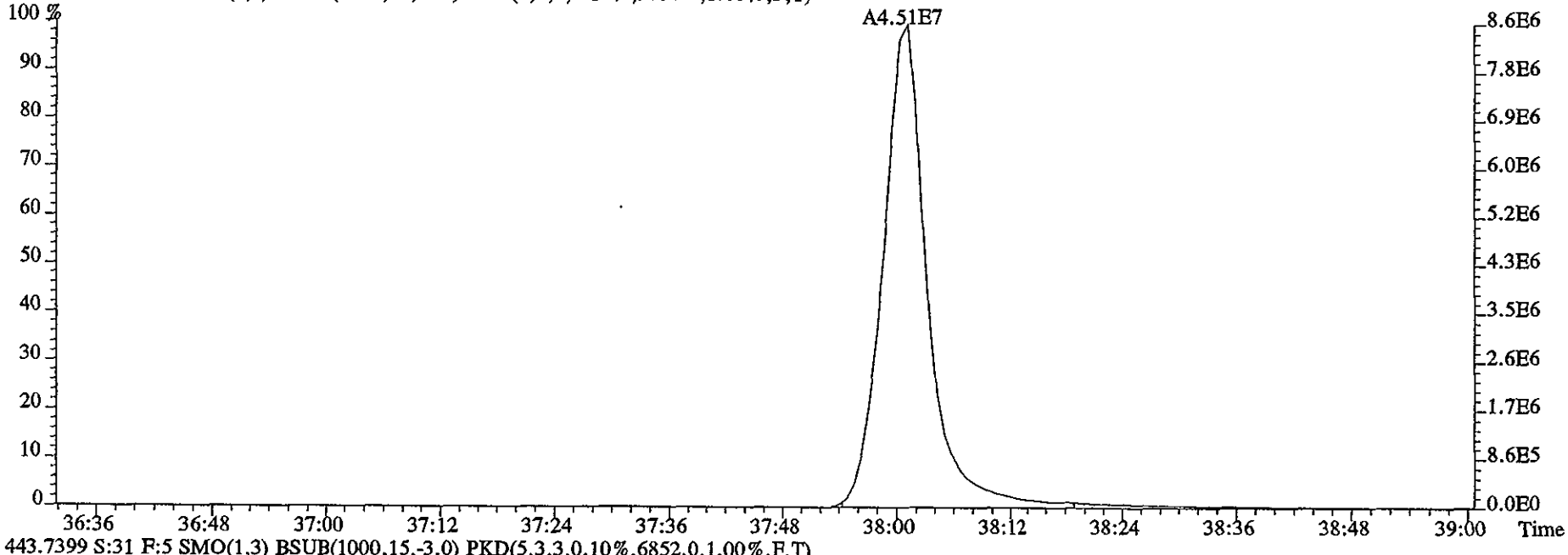




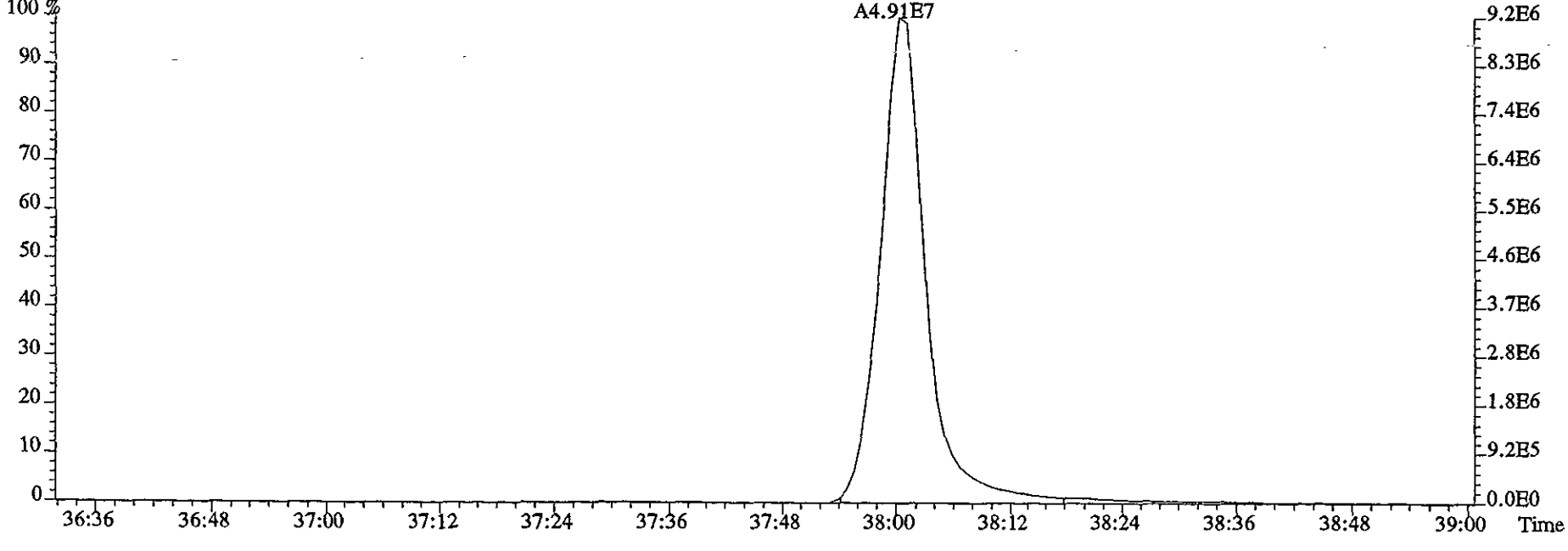




File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9536.0,1.00%,F,T)

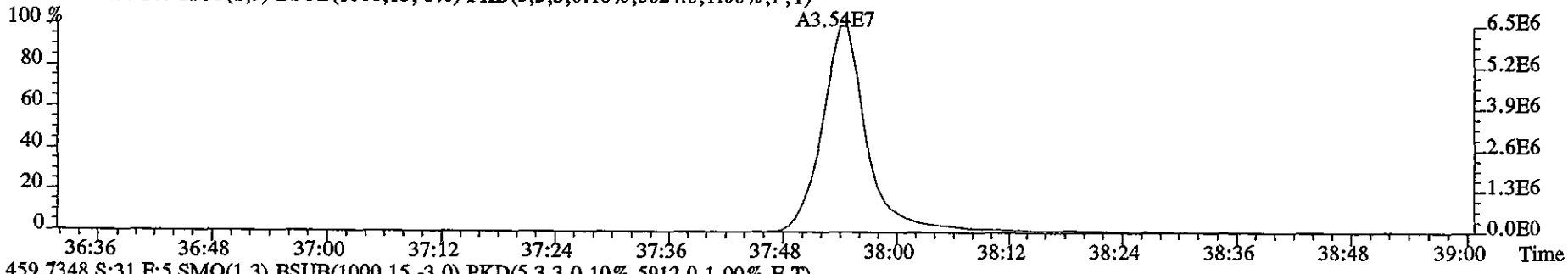


443.7399 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6852.0,1.00%,F,T)

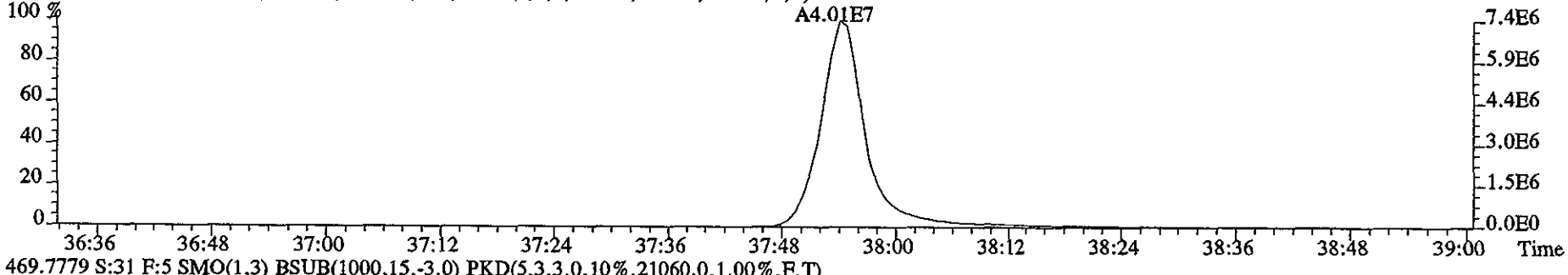


File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

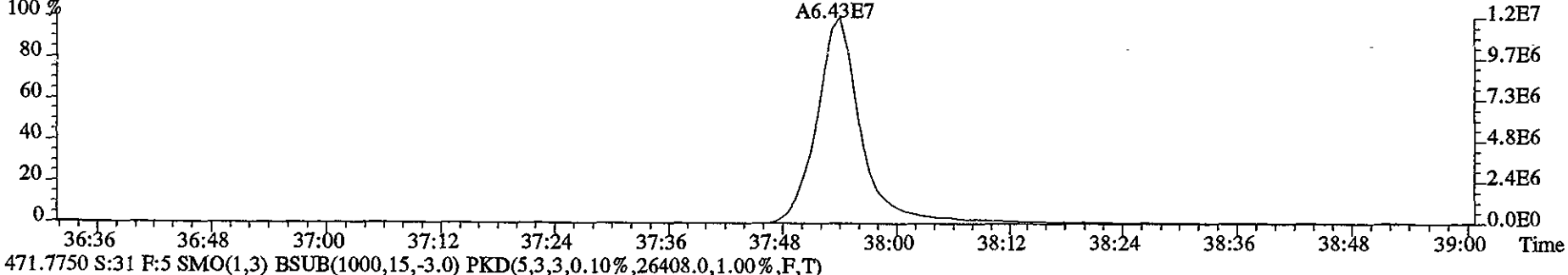
457.7377 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5624.0,1.00%,F,T)



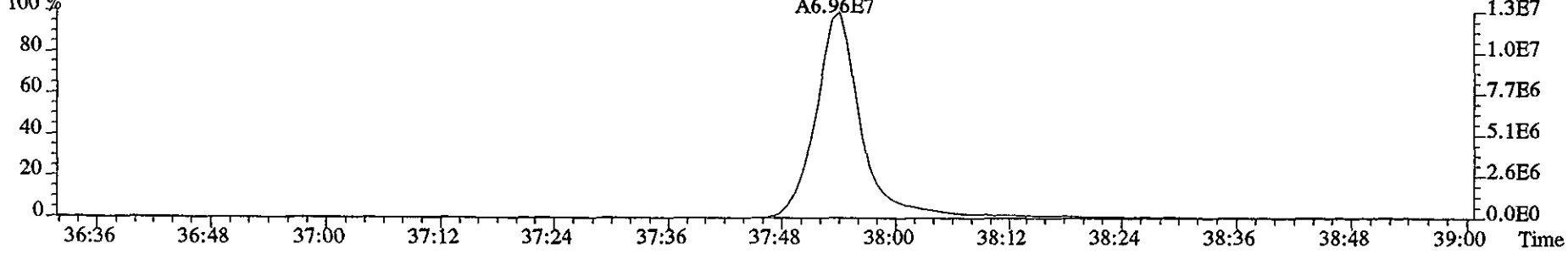
459.7348 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5912.0,1.00%,F,T)



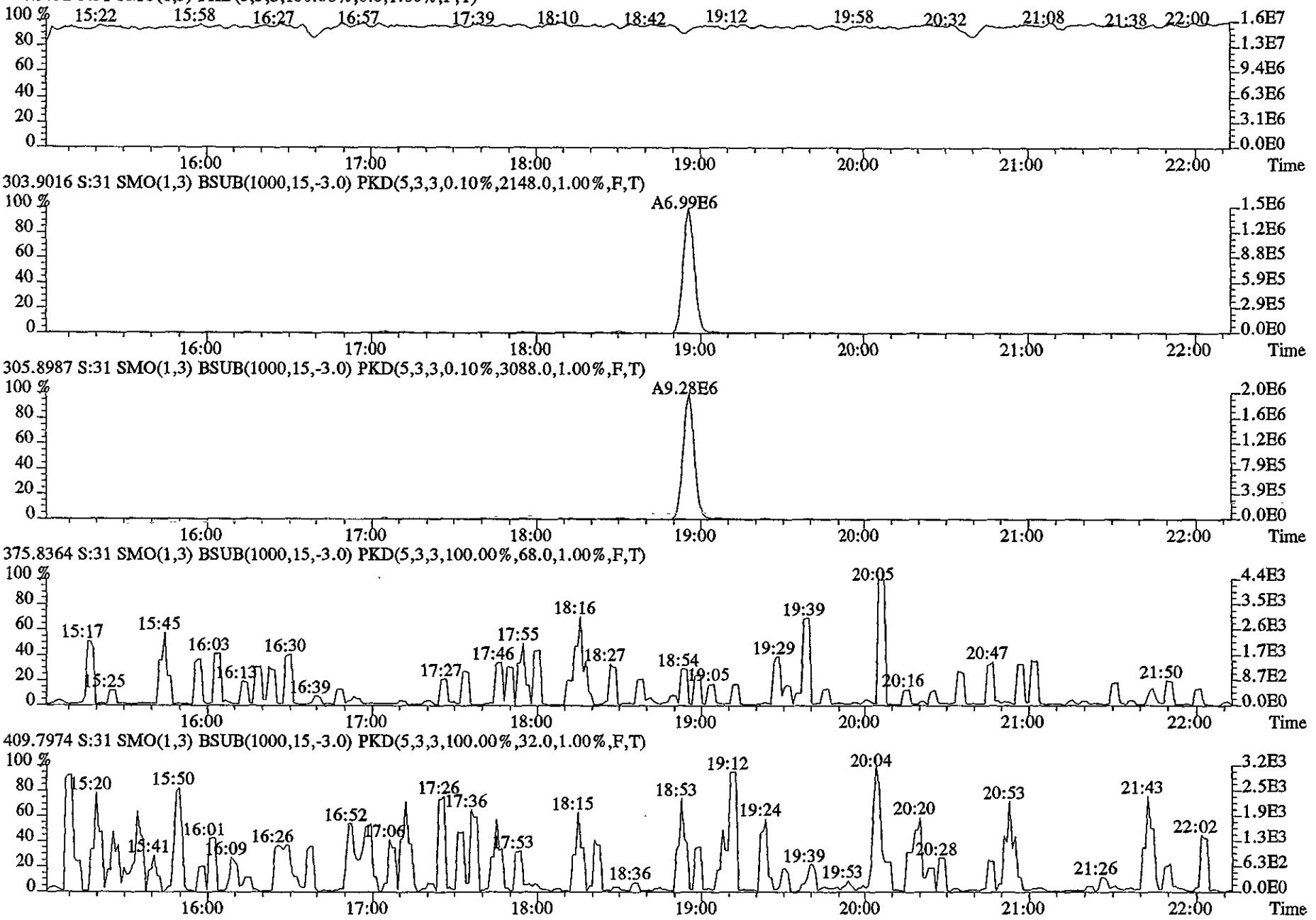
469.7779 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21060.0,1.00%,F,T)



471.7750 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26408.0,1.00%,F,T)

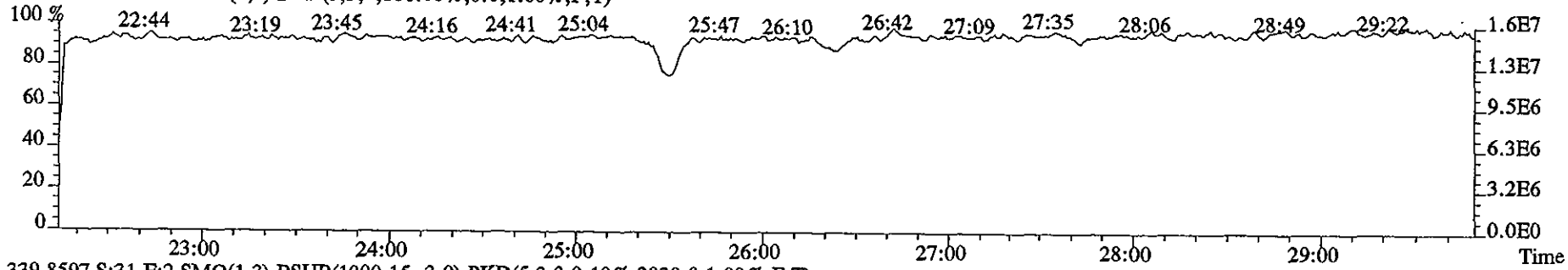


File:03MY10A4D5 #1-434 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

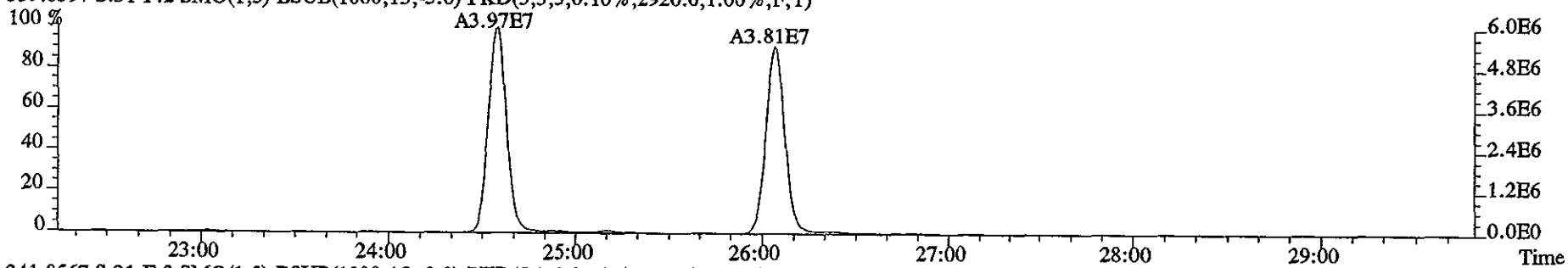


File:03MY10A4D5 #1-604 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

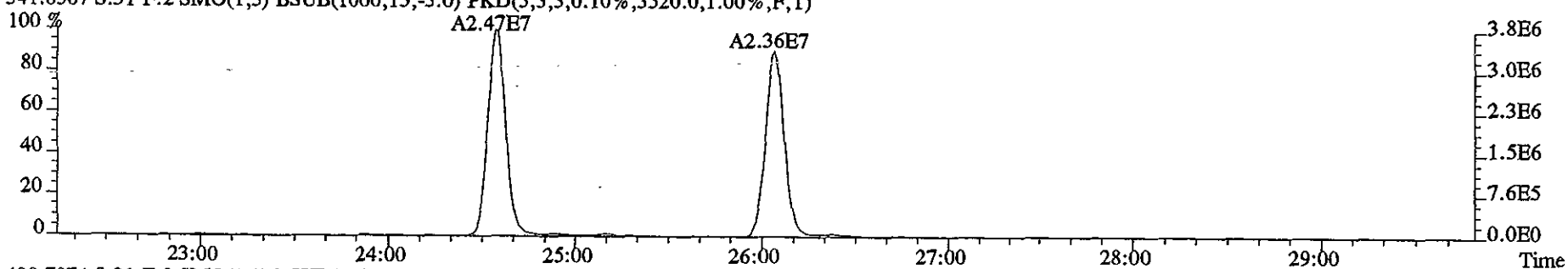
354.9792 S:31 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



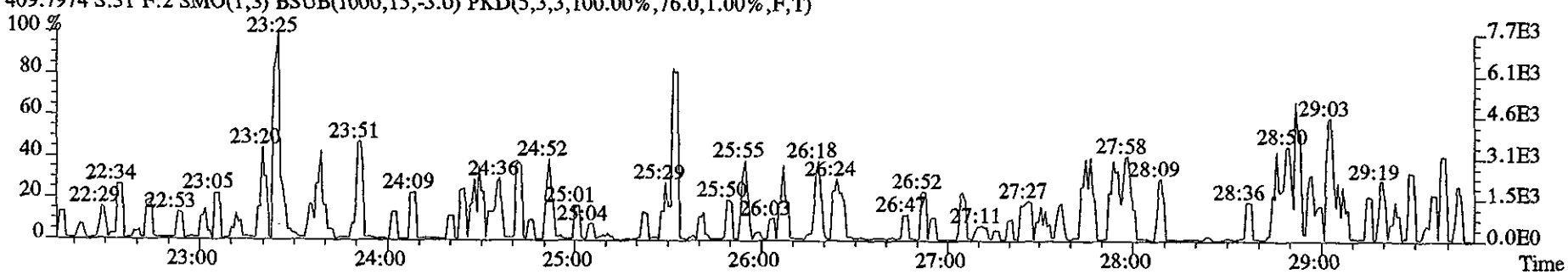
339.8597 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2920.0,1.00%,F,T)



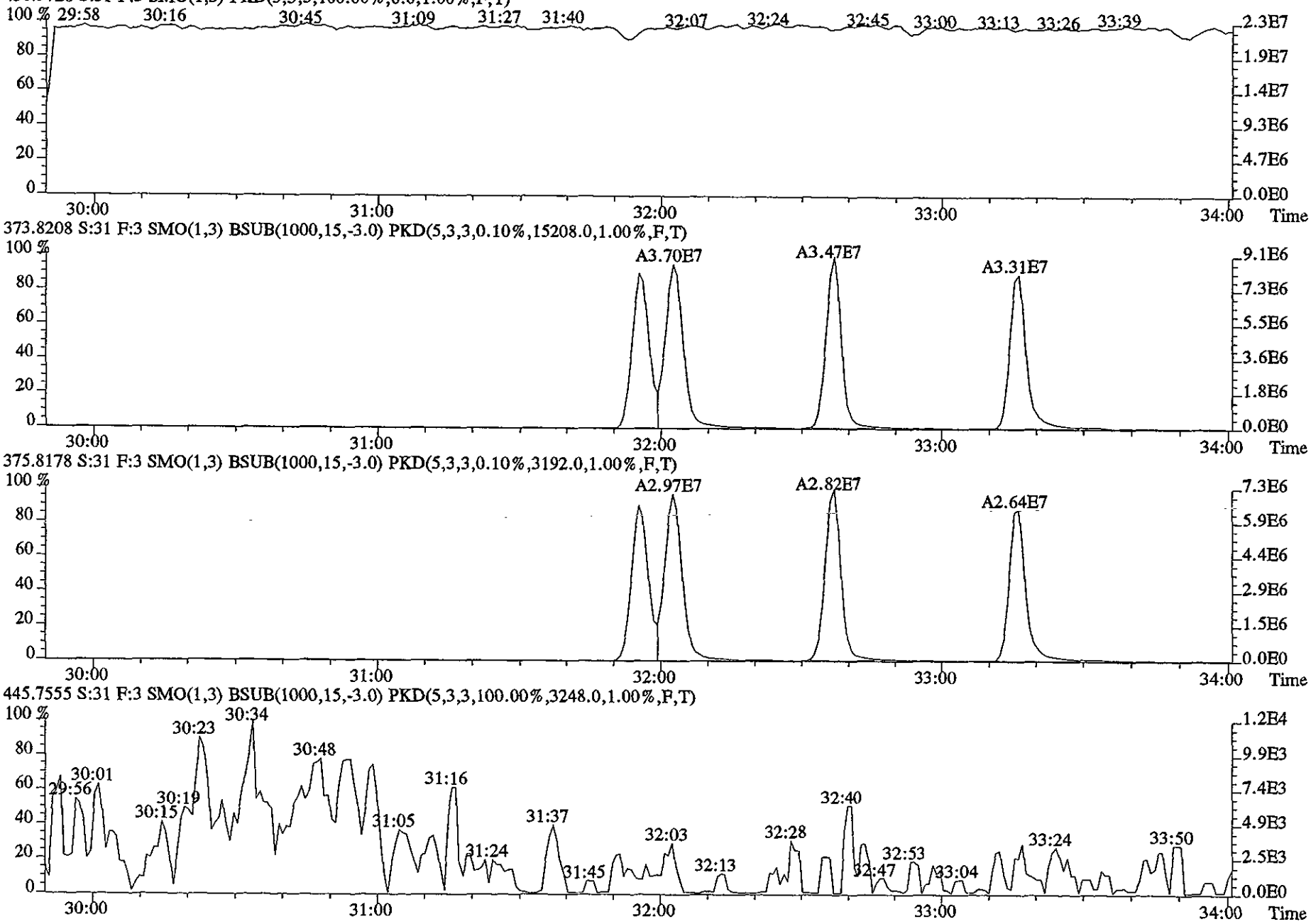
341.8567 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3520.0,1.00%,F,T)



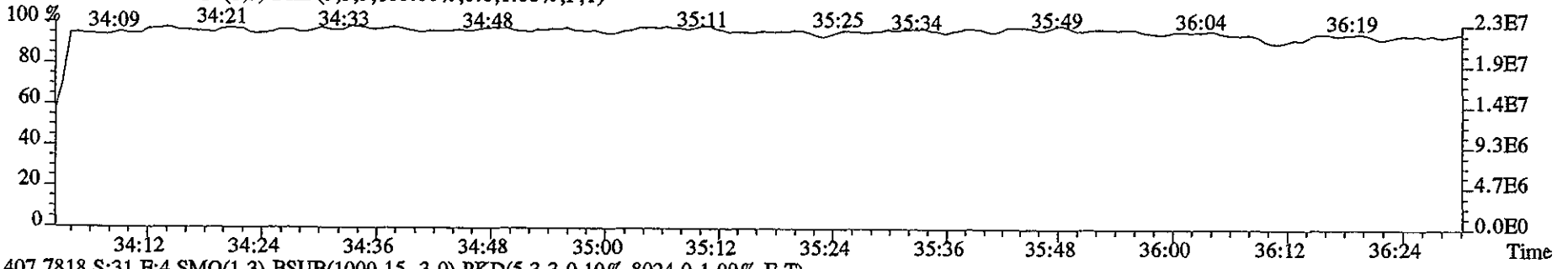
409.7974 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,76.0,1.00%,F,T)

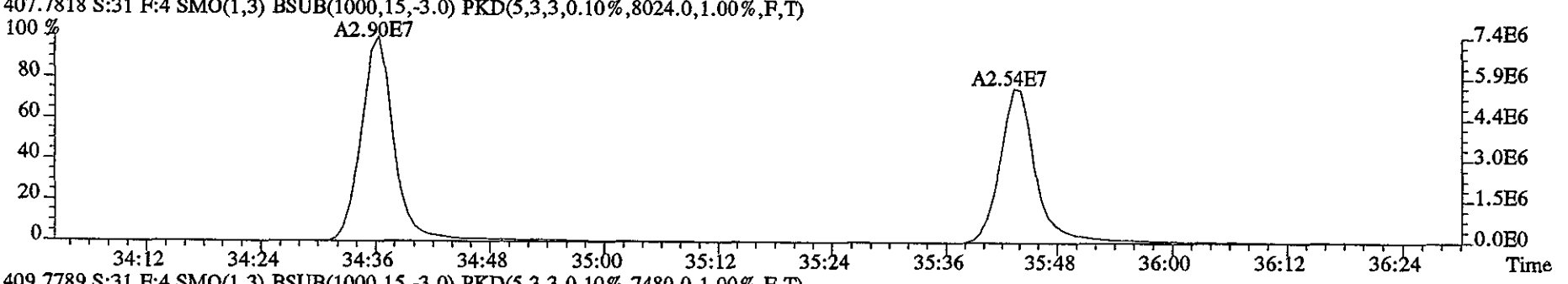


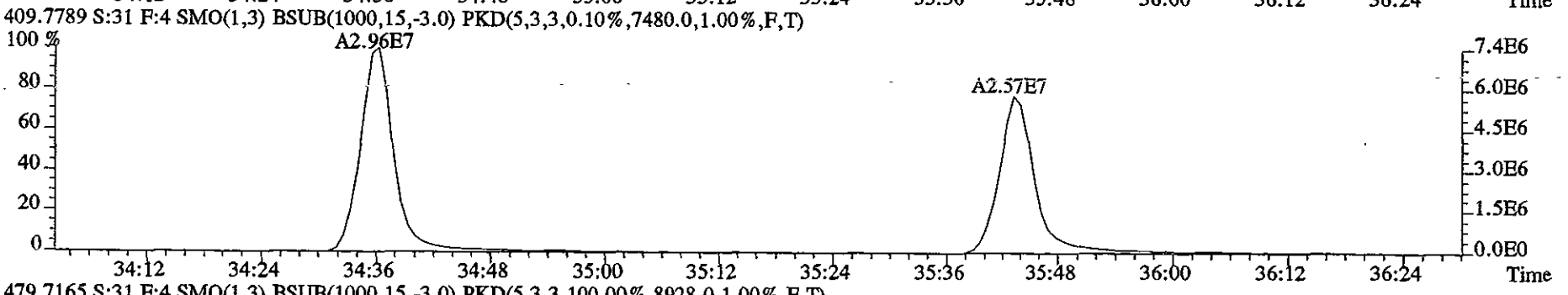
File:03MY10A4D5 #1-317 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

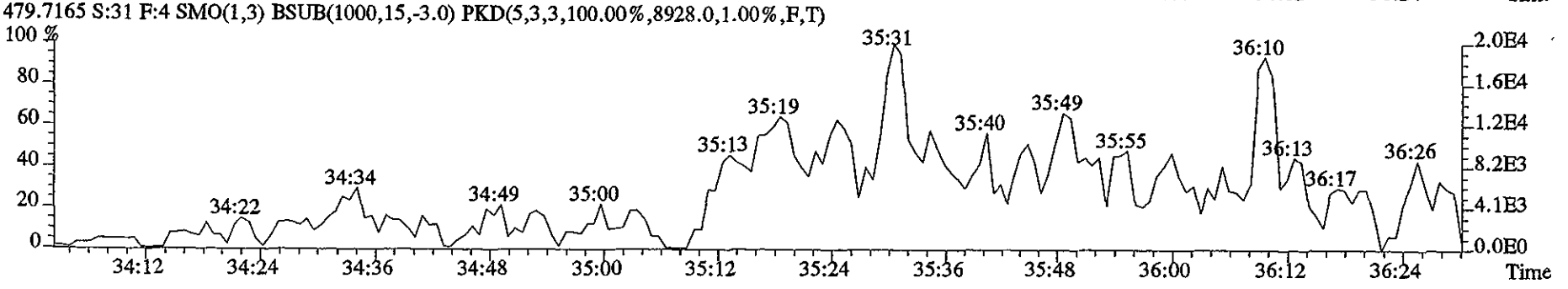


File:03MY10A4D5 #1-197 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A

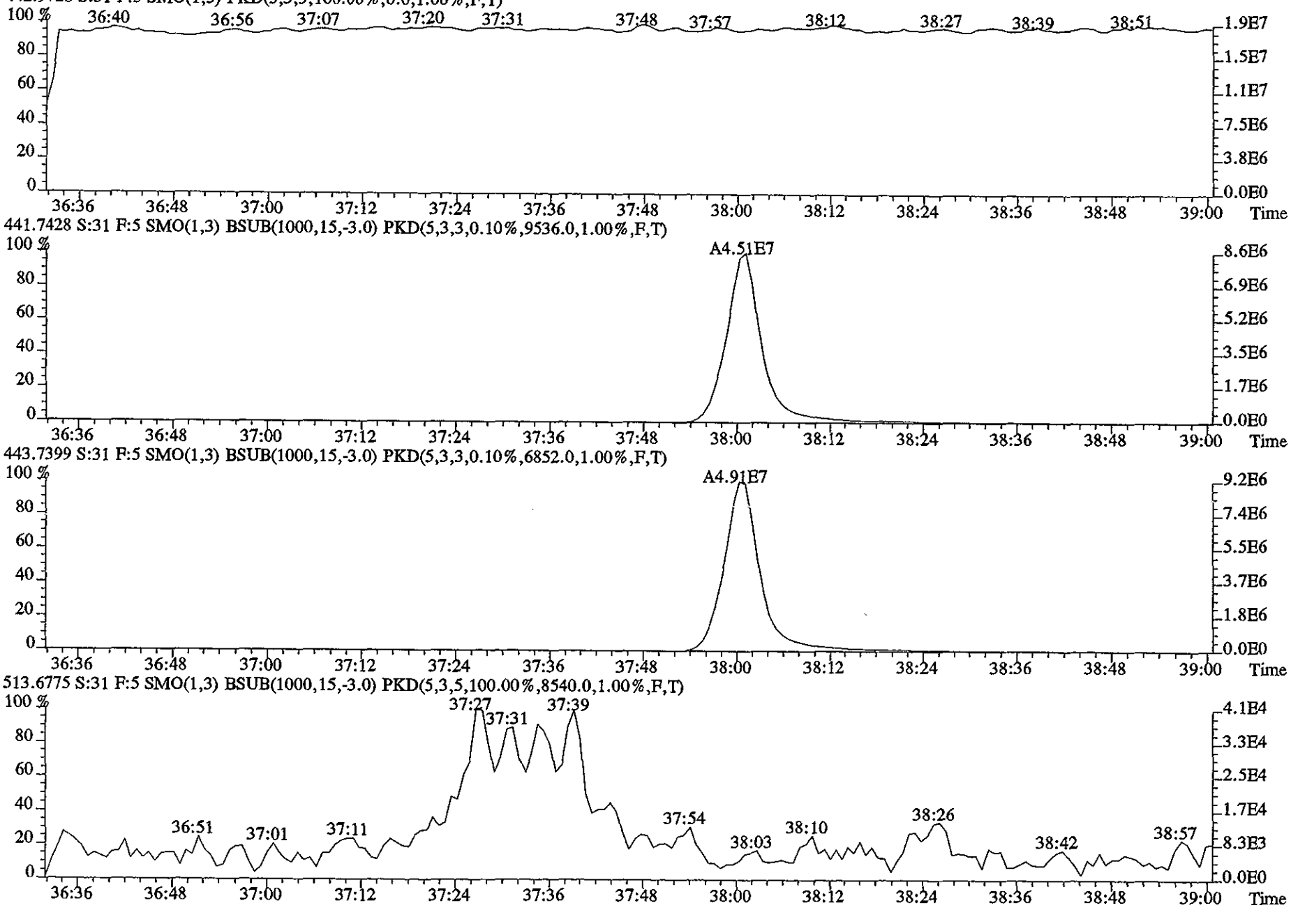








File:03MY10A4D5 #1-191 Acq: 4-MAY-2010 09:16:31 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0503B :CS3 10DXN083 Exp:DIOXINRES8290A



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290) **Associated ICAL** DB225042110SD2

Column ID DB225 **Instrument ID** 5D2

STD ID STO504-C, STO504-D **STD Solution** 10DXN111

Analyzed by AM, MG **Date Analyzed** 05-05-10

Std. Pkg. By AS **Date Std. Pkg. Assembled** 05-05-10

Std. Pkg. Reviewed By KSS **Date Std. Pkg. Reviewed** 05-05-10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0504C File text: ST0504C :CS3 10DXN111
Run #16 Filename 04MY10A5D2 S: 13 I: 1
Acquired: 5-MAY-10 06:35:01 Processed: 5-MAY-10 08:08:55
Run: 04MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 04MY10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	77491600	0.79 y	14:52	-	100.00	-	n
13C-2,3,7,8-TCDF	173089400	0.83 y	16:03	2.23	100.00	6.0	n
2,3,7,8-TCDF	19463340	0.78 y	16:04	1.12	10.00	3.3	n
13C-2,3,7,8-TCDD	78834900	0.77 y	14:41	1.02	100.00	7.3	n
2,3,7,8-TCDD	11008700	0.86 y	14:42	1.40	10.00	2.9	n
37Cl-2,3,7,8-TCDD	17624320	1.00 y	14:41	2.27	10.00	-0.2	n

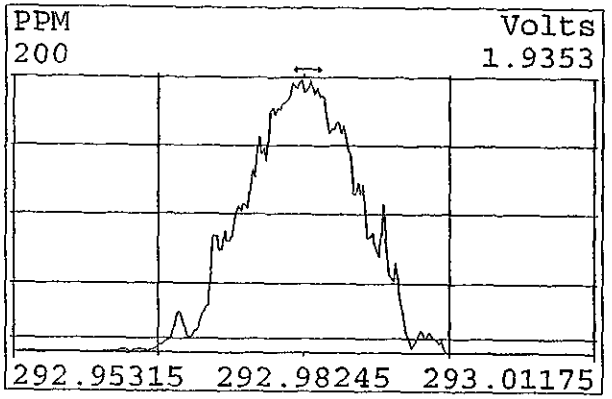
Run text: ST0504D File text: ST0504D :CS3 10DXN111
Run #19 Filename 04MY10A5D2 S: 18 I: 1
Acquired: 5-MAY-10 10:39:20 Processed: 5-MAY-10 11:07:34
Run: 04MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 04MY10A5D2DB225

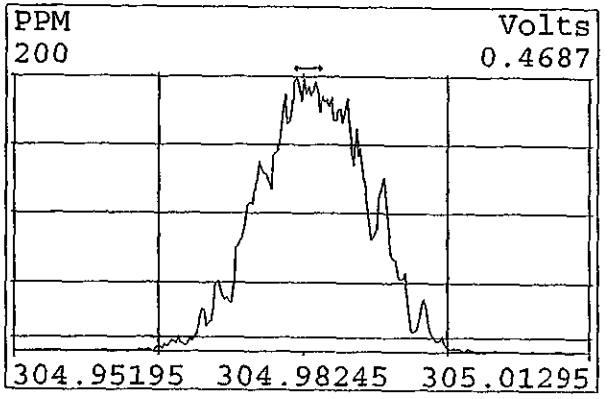
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	78170364	0.77 y	14:52	-	100.00	-	n
13C-2,3,7,8-TCDF	169185616	0.83 y	16:03	2.16	100.00	2.8	n
2,3,7,8-TCDF	18839452	0.80 y	16:04	1.11	10.00	2.3	n
13C-2,3,7,8-TCDD	76867020	0.75 y	14:41	0.98	100.00	3.7	n
2,3,7,8-TCDD	11359671	0.87 y	14:41	1.48	10.00	8.9	n
37Cl-2,3,7,8-TCDD	17815928	1.00 y	14:41	2.28	10.00	0.0	n

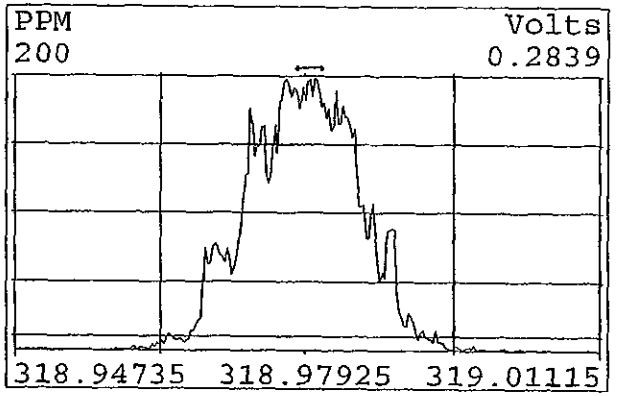
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04MY10A5D2	1	ST0504B	CS3 10DXN111				1.000	
04MY10A5D2	2	CP0504A	DB-225 CPSM 3732-06				1.000	
04MY10A5D2	3	SB0504A	Solvent Blank C-14				1.000	
04MY10A5D2	4	LX3XF-1-AE	G0D160486-40 (10X)	10	8290/SOLID	80	10.280	g
04MY10A5D2	5	LX3XG-1-AE	G0D160486-41 (10X)	10	8290/SOLID		10.250	g
04MY10A5D2	6	LX8NW-1-AD	G0D200500-55	10	8290/SOLID		10.020	g
04MY10A5D2	7	LX8NW-1-AE	G0D200500-55S	10	8290/SOLID		10.000	g
04MY10A5D2	8	LX8NW-1-AF	G0D200500-55D	10	8290/SOLID		10.670	g
04MY10A5D2	9	LX3WA-1-AD	G0D160486-25	10	8290/SOLID	79	10.490	g
04MY10A5D2	10	LX3WA-1-AE	G0D160486-25S	10	8290/SOLID		10.120	g
04MY10A5D2	11	LX3WA-1-AF	G0D160486-25D	10	8290/SOLID		10.390	g
04MY10A5D2	12	SB0504B	Solvent Blank C-14				1.000	
04MY10A5D2	13	ST0504C	CS3 10DXN111				1.000	
04MY10A5D2	14	CP0504B	DB-225 CPSM 3732-06				1.000	
04MY10A5D2	15	SB0504C	Solvent Blank C-14				1.000	
04MY10A5D2	16	LX8NW-1-AD	G0D200500-55 RI	10	8290/SOLID	80	10.020	g
04MY10A5D2	17	SB0504D	Solvent Blank C-14				1.000	
04MY10A5D2	18	ST0504D	CS3 10DXN111				1.000	
04MY10A5D2	19						1.000	
04MY10A5D2	20						1.000	
04MY10A5D2	21						1.000	
'MY10A5D2	22		AM,MG 05/04/10				1.000	

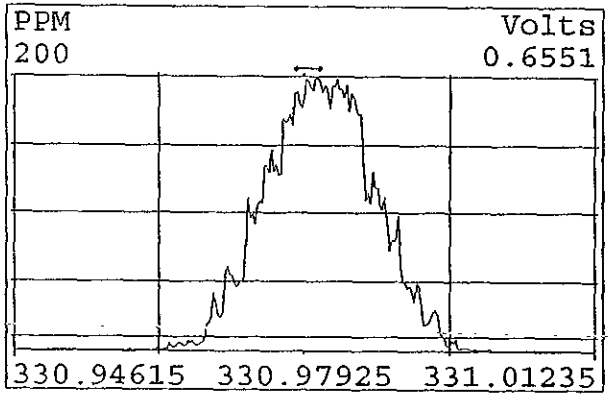
log file checked
AS
05/05/10

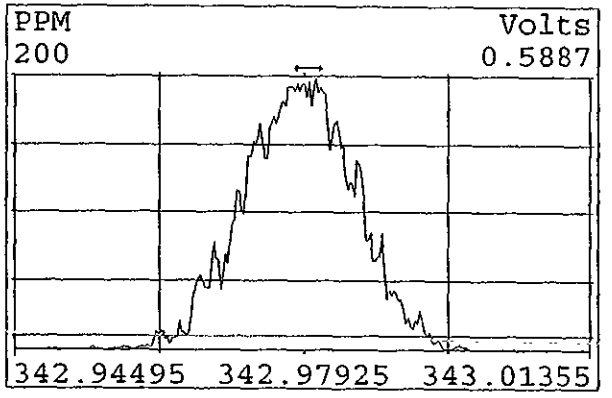
Peak Locate Examination: 4-MAY-2010:23:08 File:04MY10A5D2
Experiment:DB225RES Function:1 Reference:PFK

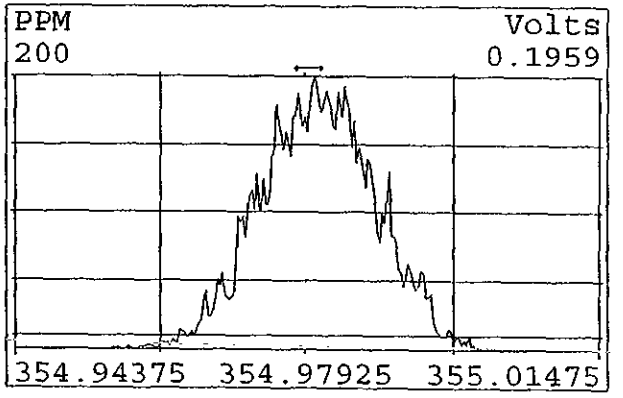


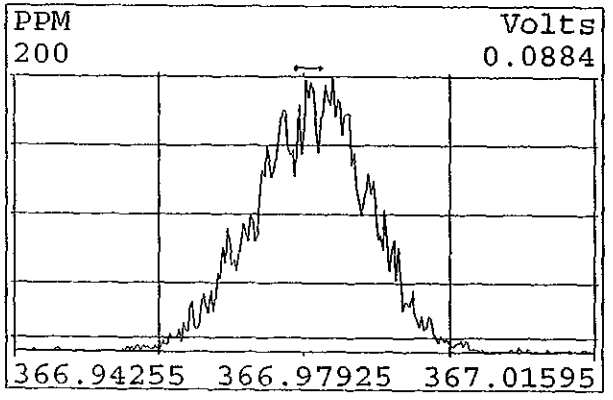


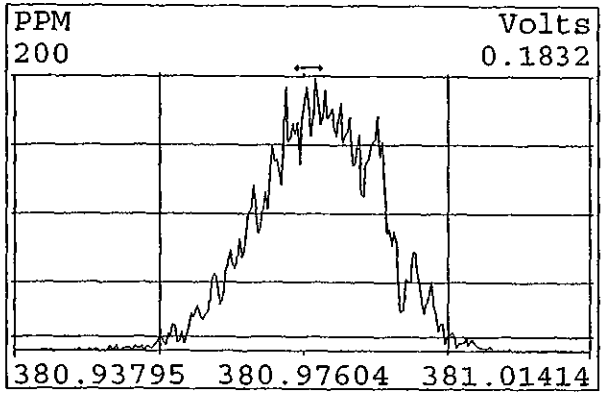




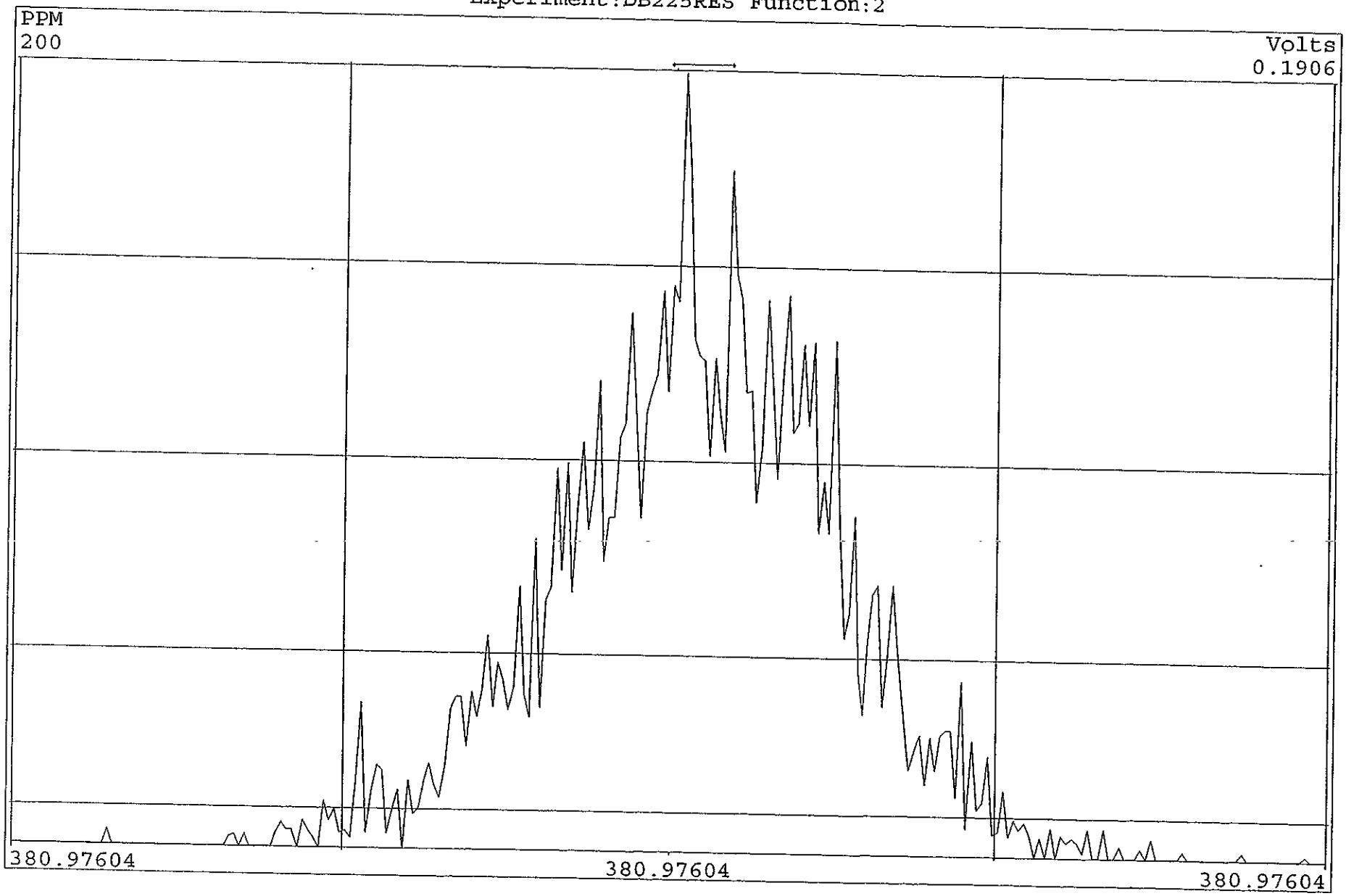




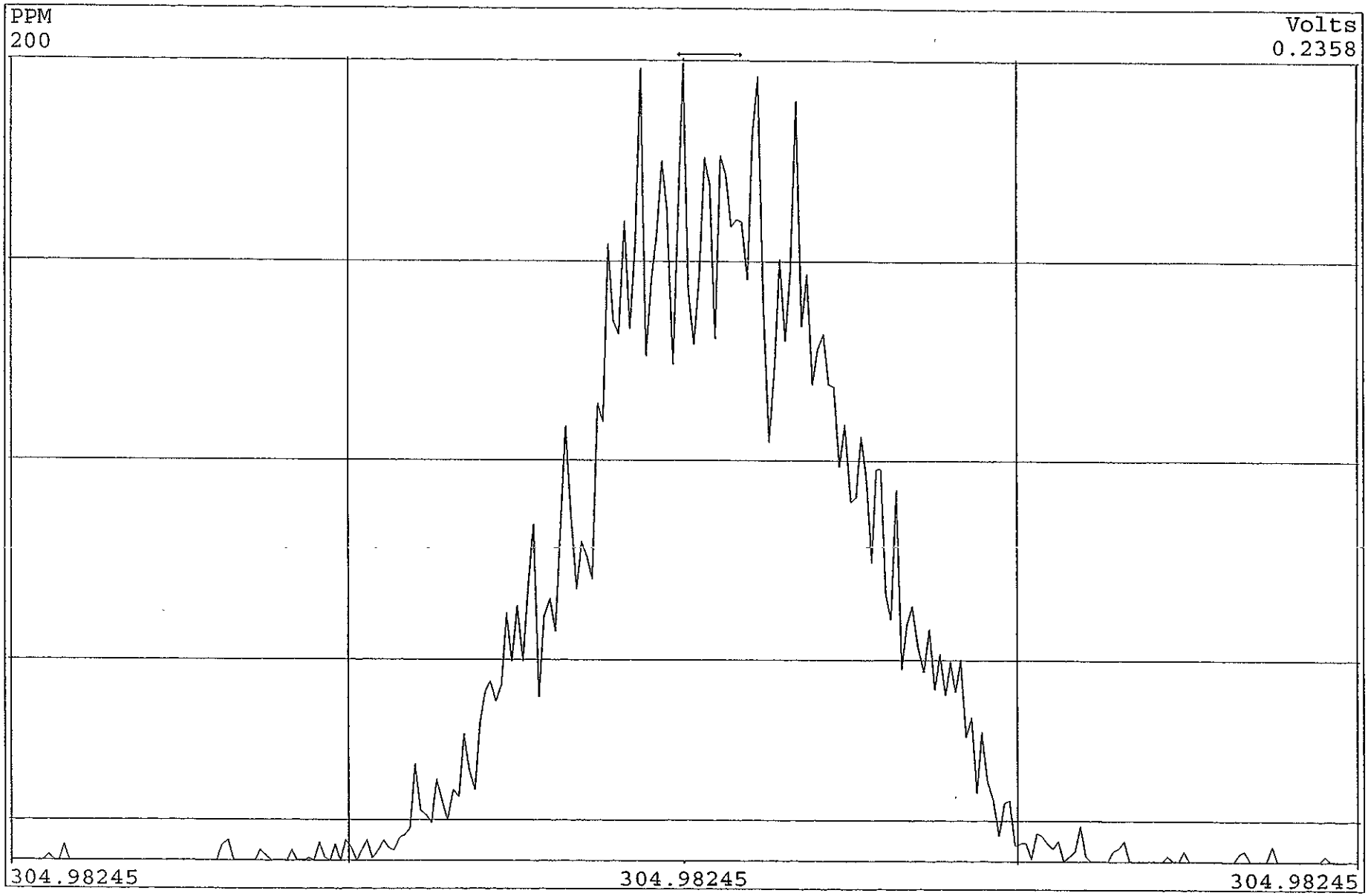




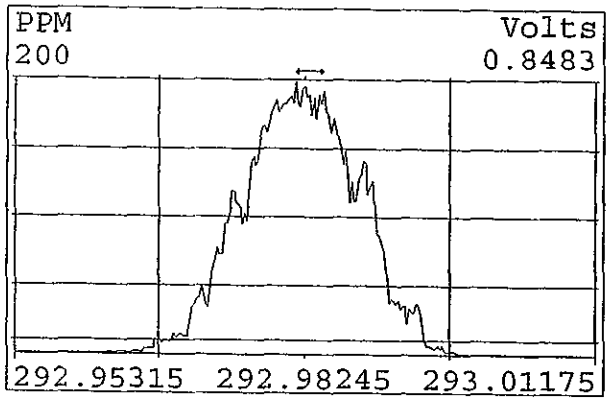
SIRLM Examination: 5-MAY-2010:08:36 File:04MY10A5D2
Experiment:DB225RES Function:2

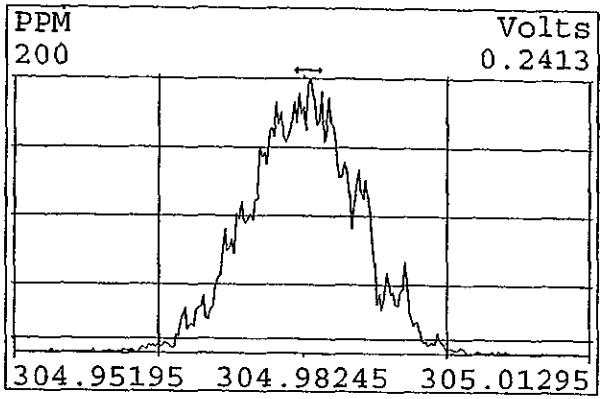


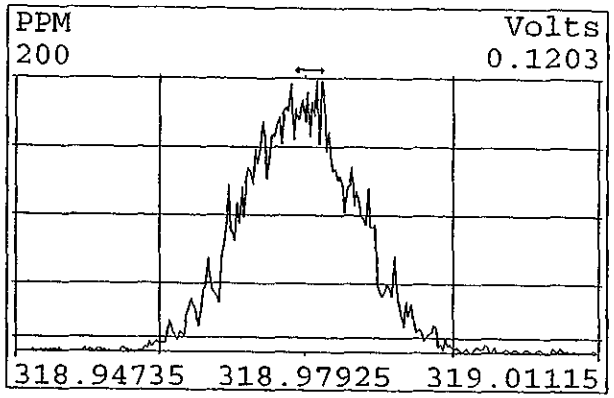
SIRLM Examination: 5-MAY-2010:08:37 File:04MY10A5D2
Experiment:DB225RES Function:3

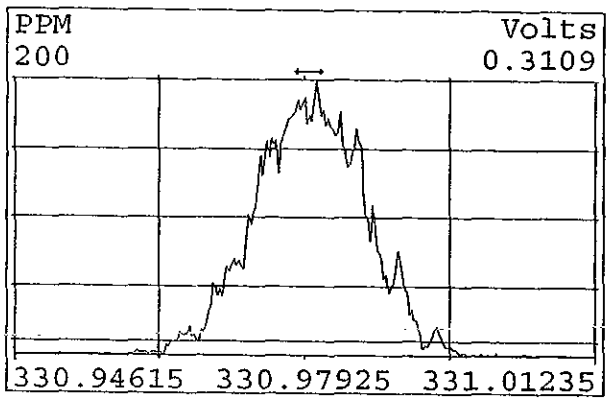


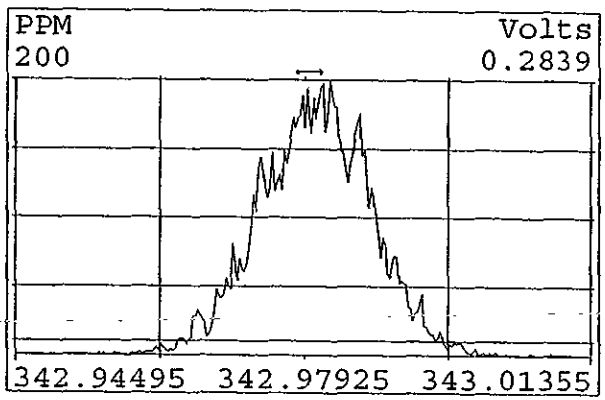
Peak Locate Examination: 5-MAY-2010:11:19 File:04MY10A5D2ENDRES
Experiment:DB225RES Function:1 Reference:PFK

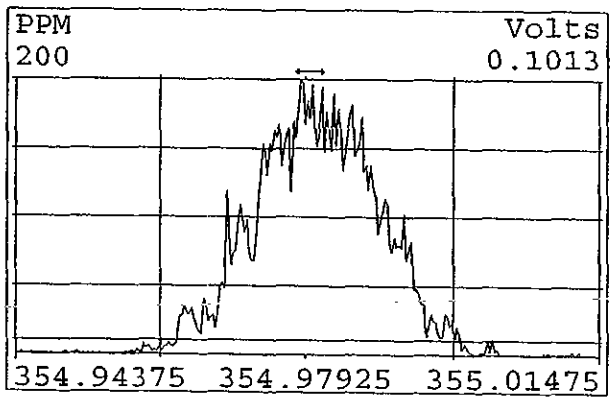


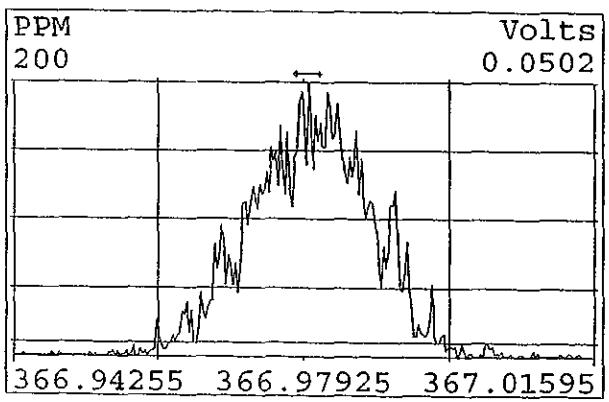


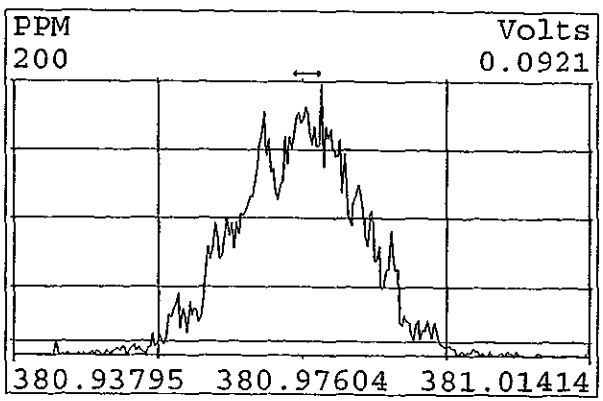




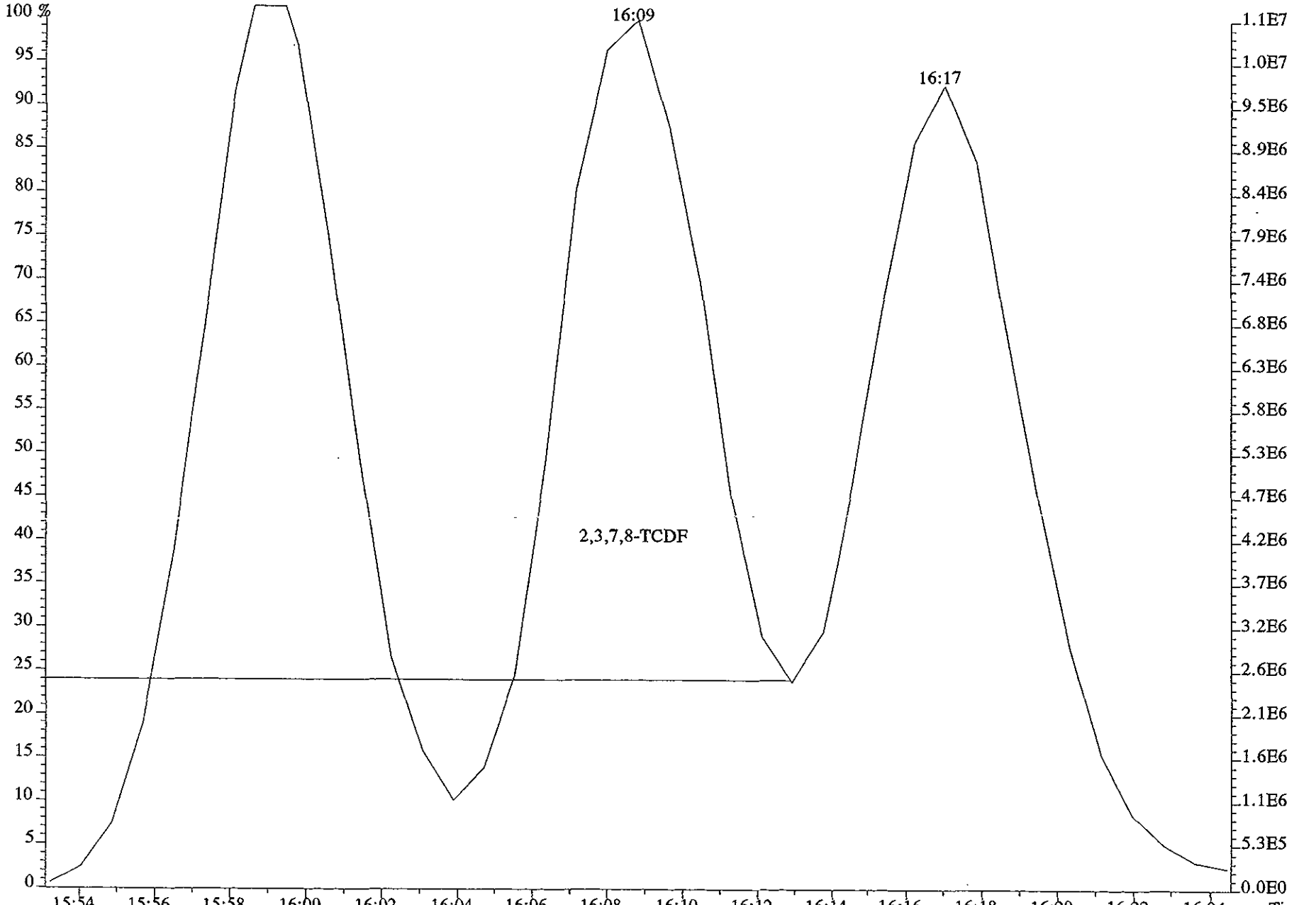








File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:10:48 GC EI+ Voltage SIR 70SE
Sample#14 Text: : Exp:DB225RES
305.8987 S:14

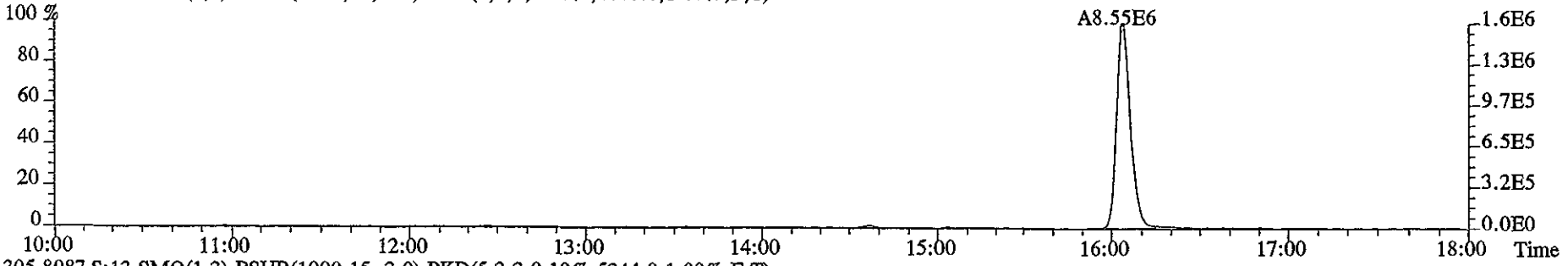


Run: 04MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2

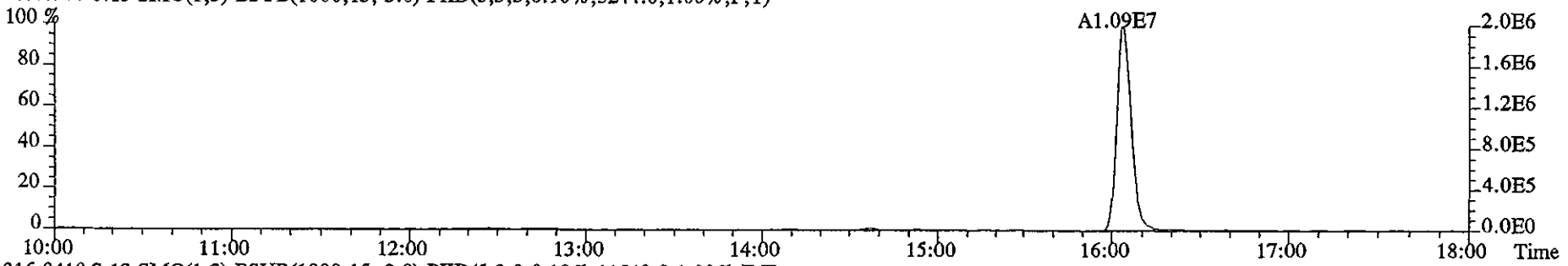
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

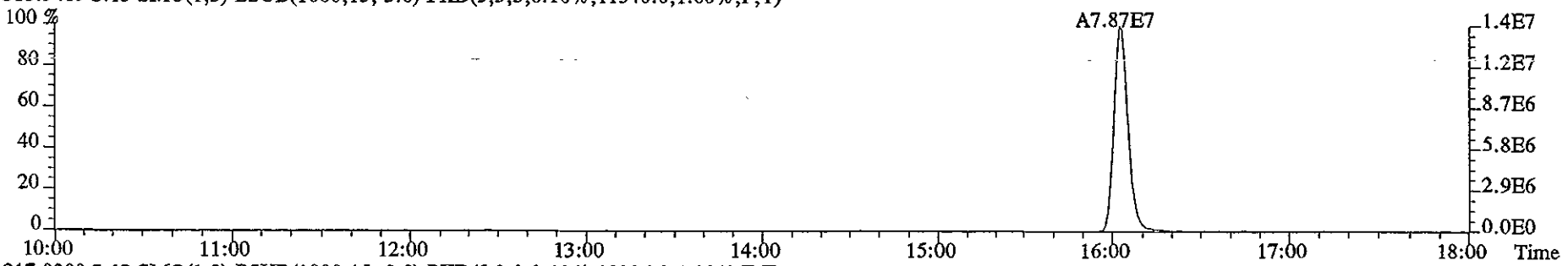
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 06:35:01 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0504C :CS3 10DXN111 Exp:DB225RES
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4668.0,1.00%,F,T)



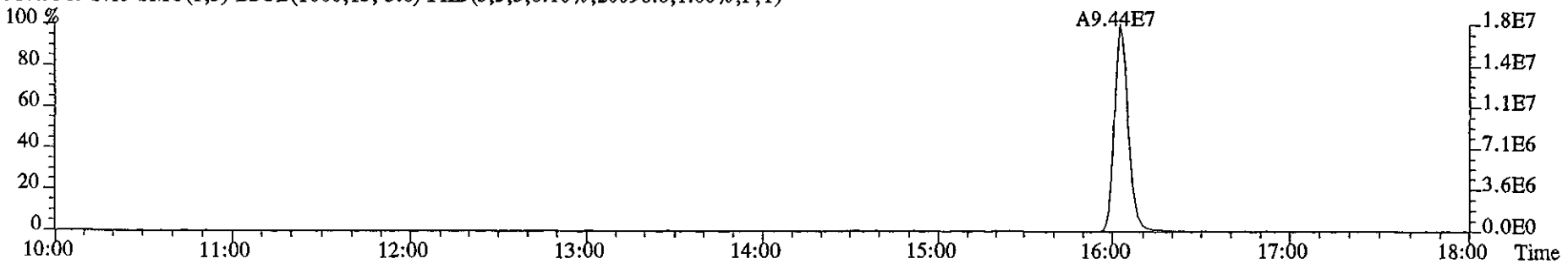
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5244.0,1.00%,F,T)



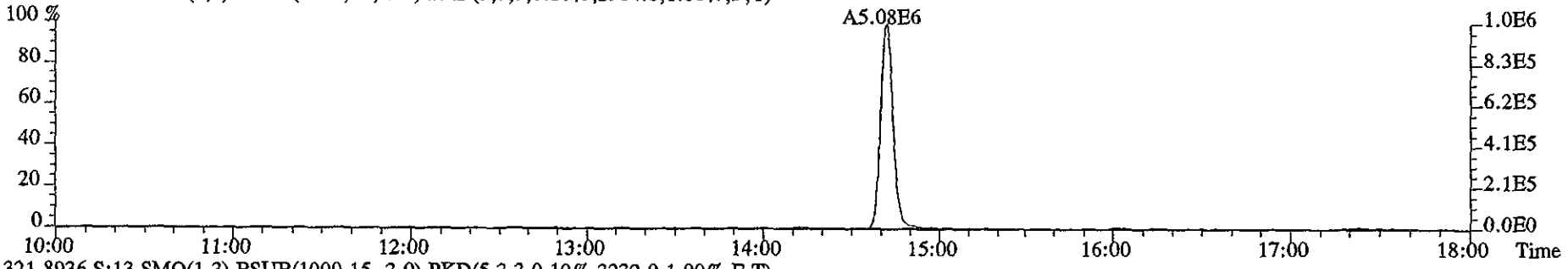
315.9419 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11540.0,1.00%,F,T)



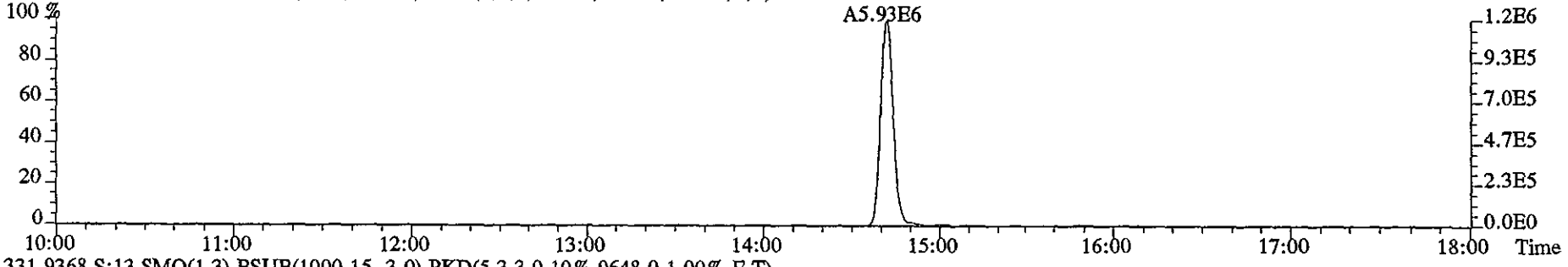
317.9389 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20096.0,1.00%,F,T)



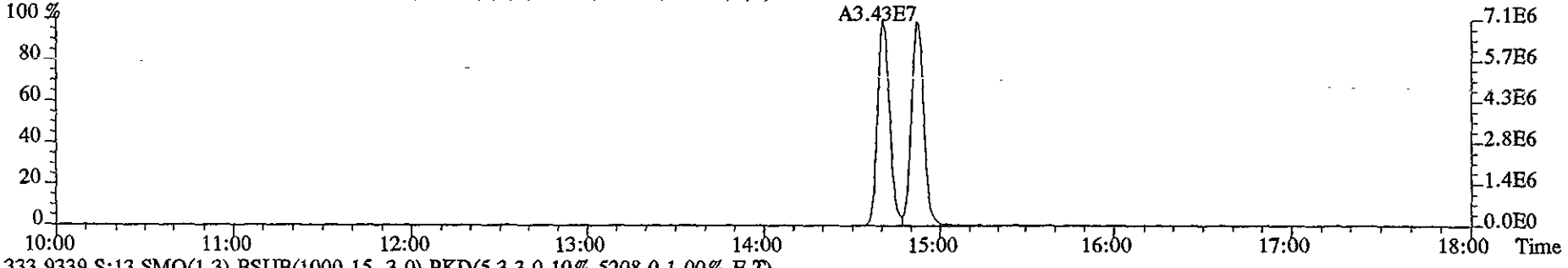
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 06:35:01 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0504C :CS3 10DXN111 Exp:DB225RES
319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2984.0,1.00%,F,T)



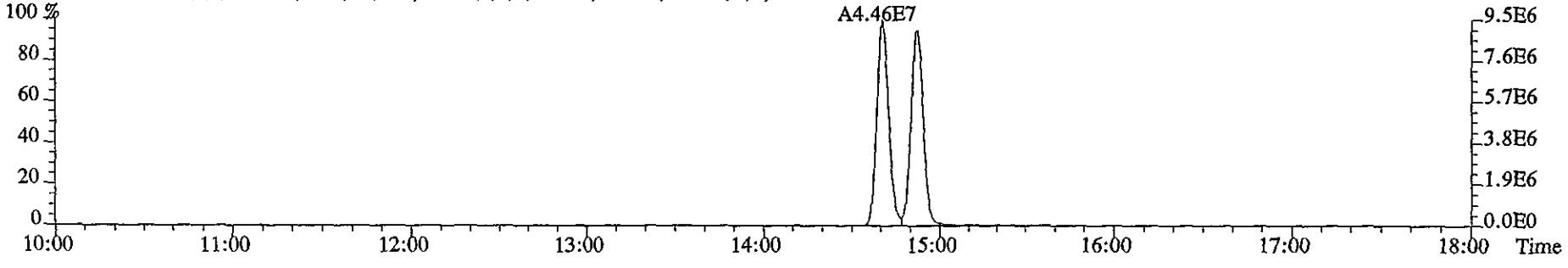
321.8936 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



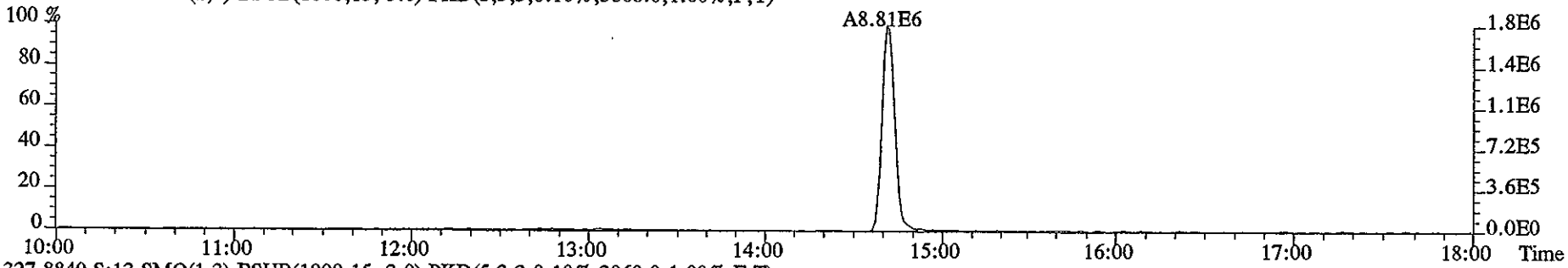
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9648.0,1.00%,F,T)



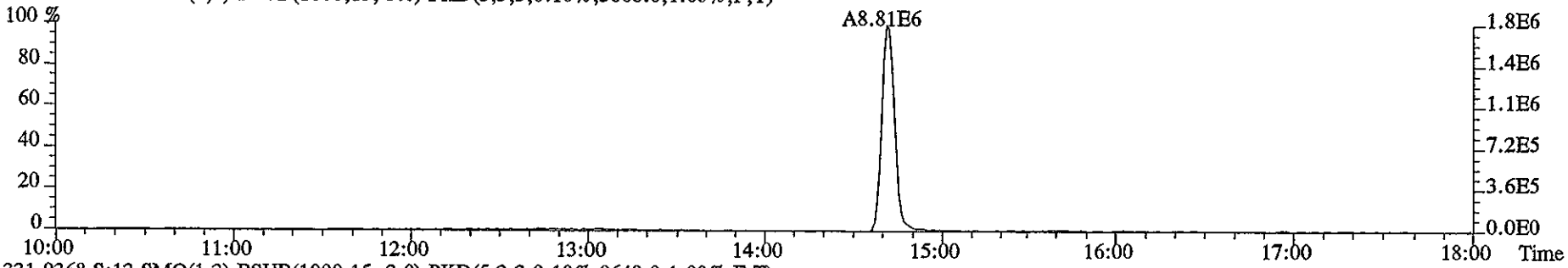
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5208.0,1.00%,F,T)



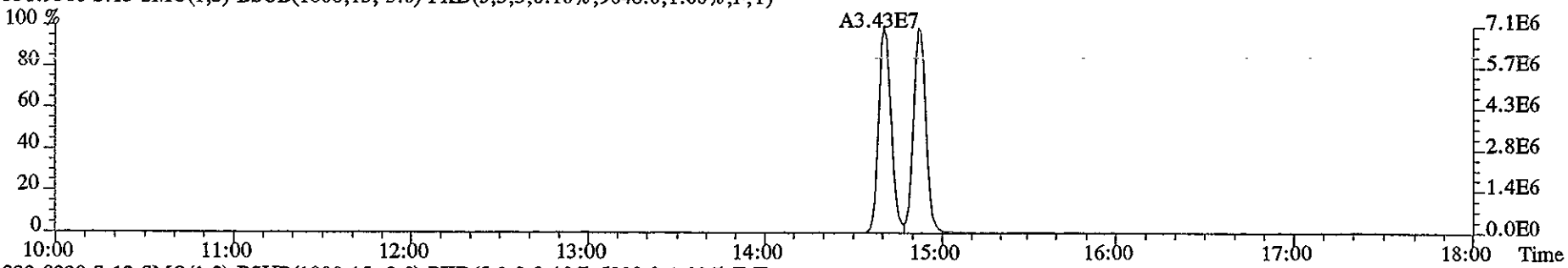
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 06:35:01 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0504C :CS3 10DXN111 Exp:DB225RES
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3868.0,1.00%,F,T)



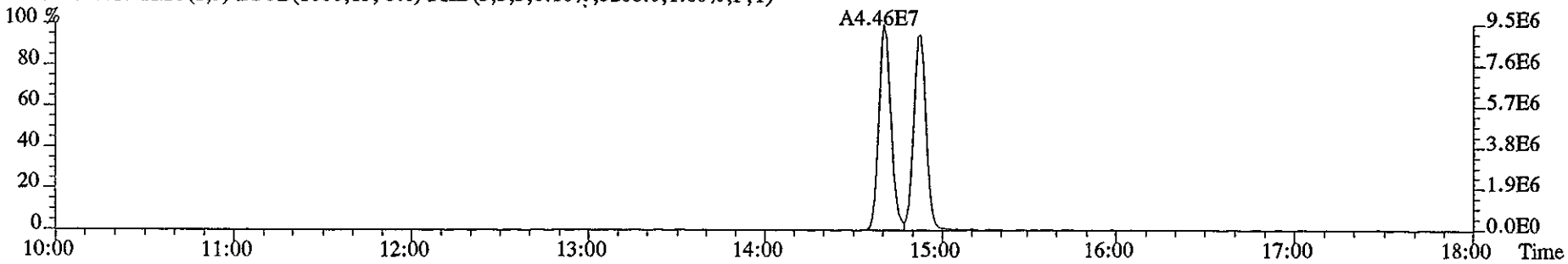
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3868.0,1.00%,F,T)

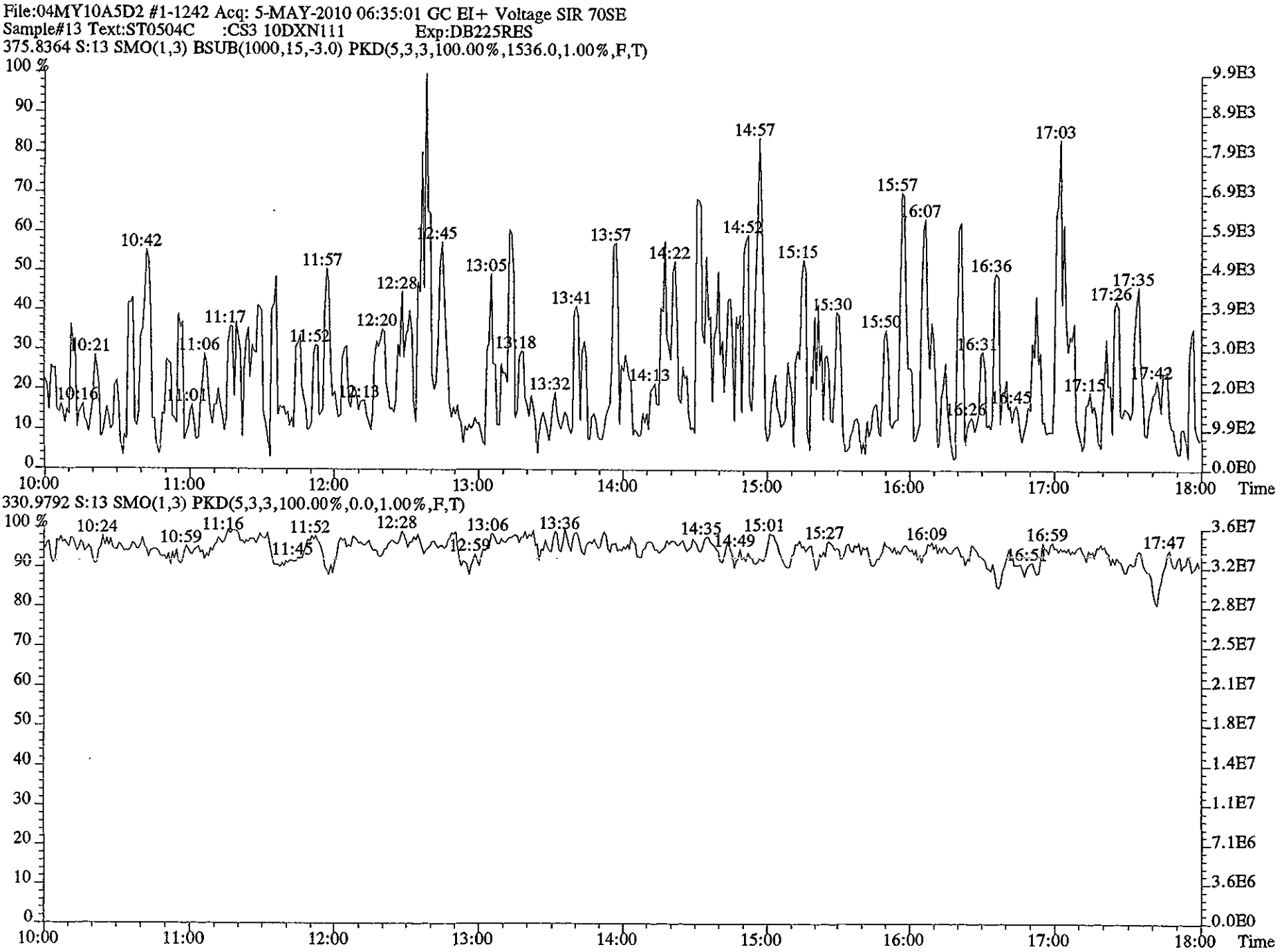


331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9648.0,1.00%,F,T)

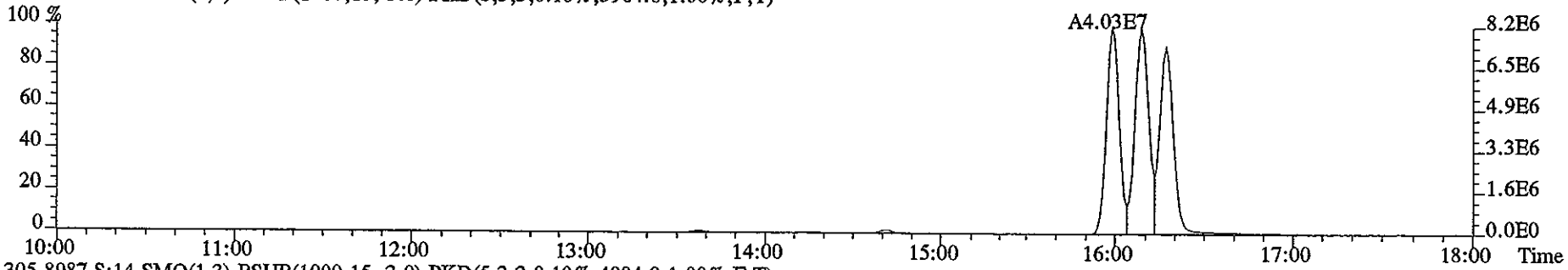


333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5208.0,1.00%,F,T)

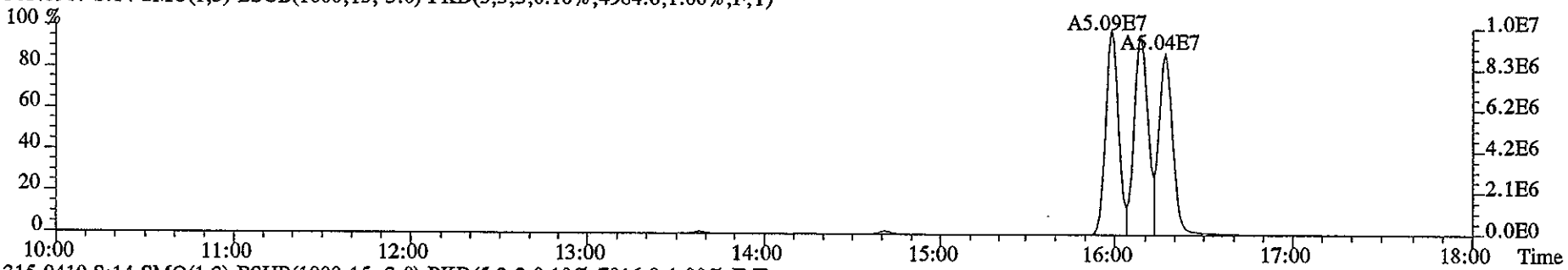




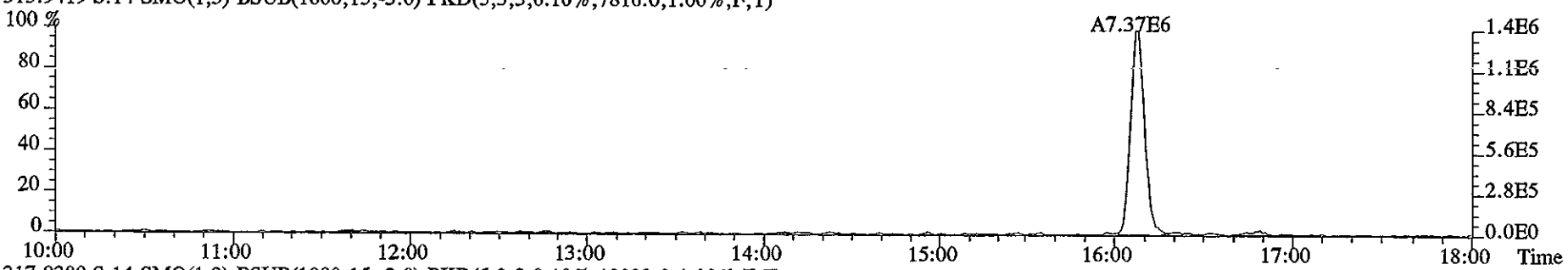
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:10:48 GC EI+ Voltage SIR 70SE
Sample#14 Text:CP0504B :DB-225 CPSM 3732-06 Exp:DB225RES
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3964.0,1.00%,F,T)



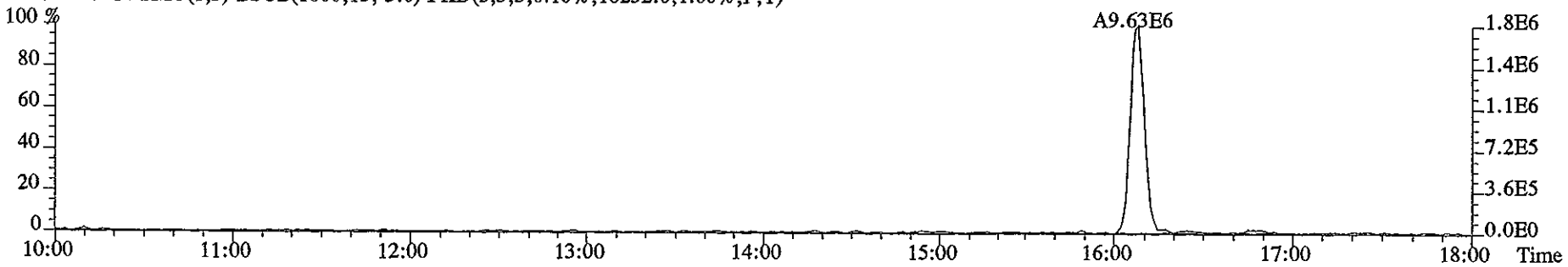
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4984.0,1.00%,F,T)



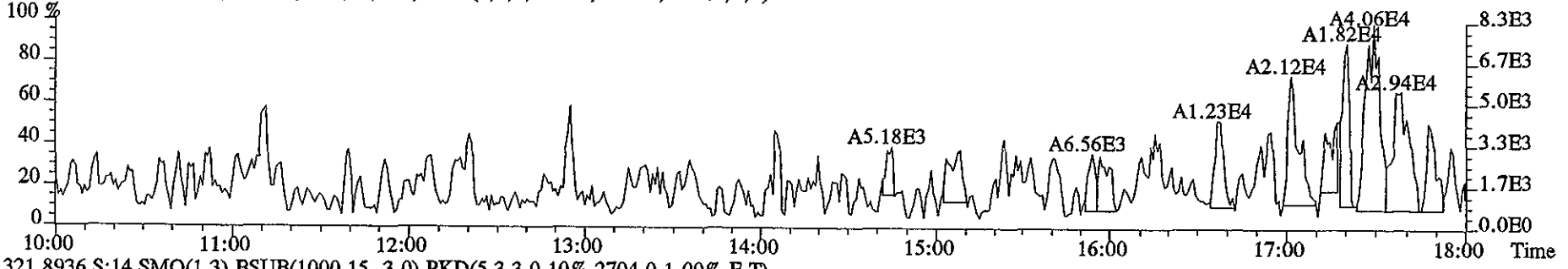
315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7816.0,1.00%,F,T)



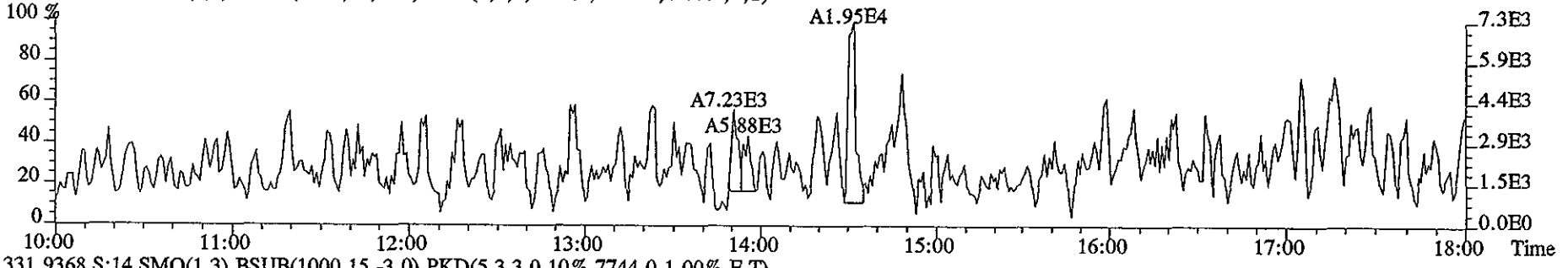
317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10232.0,1.00%,F,T)



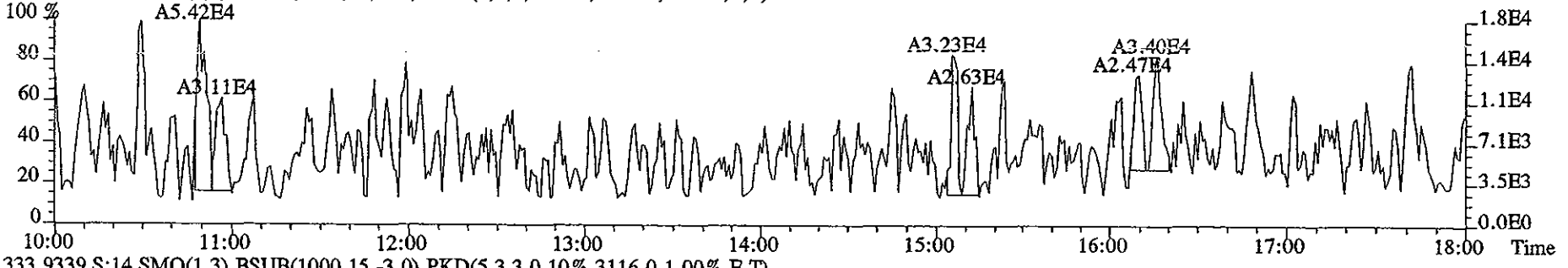
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:10:48 GC EI+ Voltage SIR 70SE
Sample#14 Text:CP0504B :DB-225 CPSM 3732-06 Exp:DB225RES
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1948.0,1.00%,F,T)



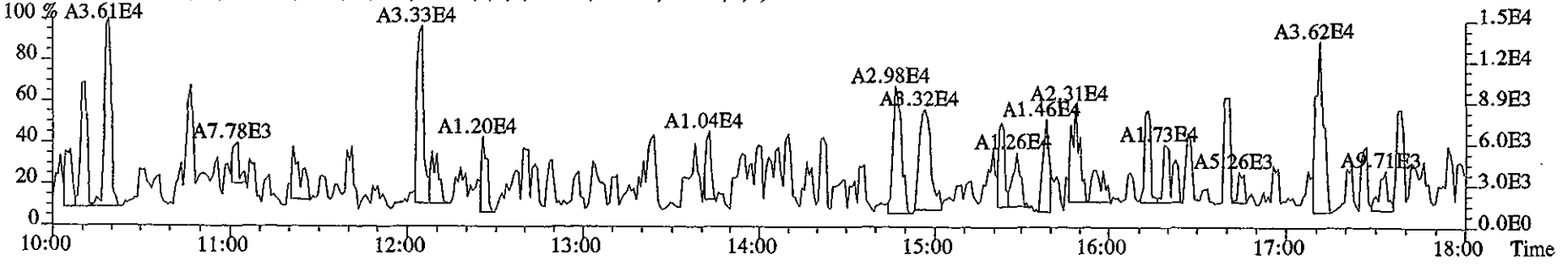
321.8936 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)



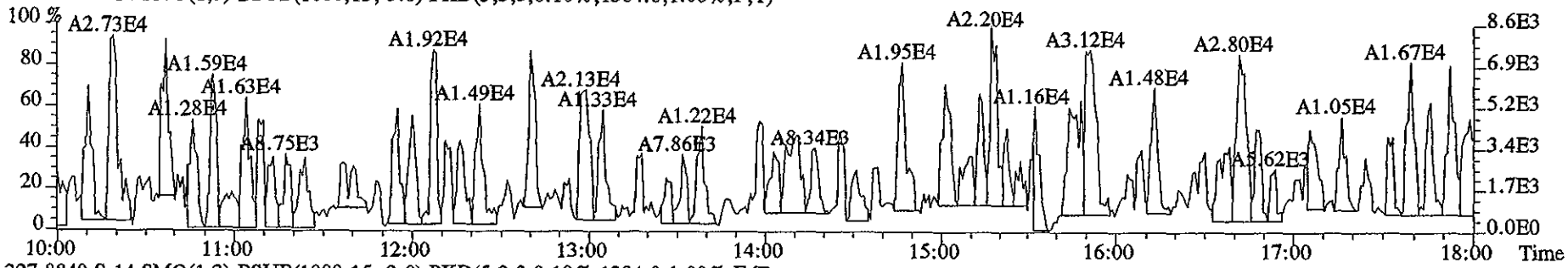
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7744.0,1.00%,F,T)



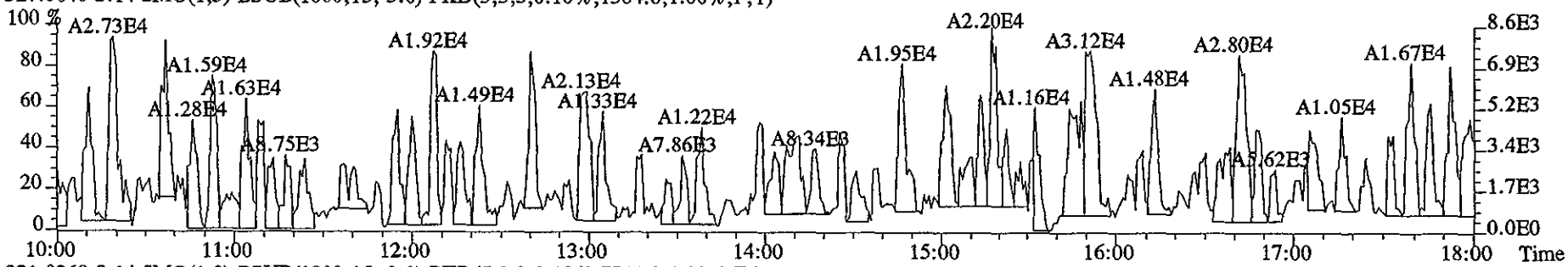
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3116.0,1.00%,F,T)



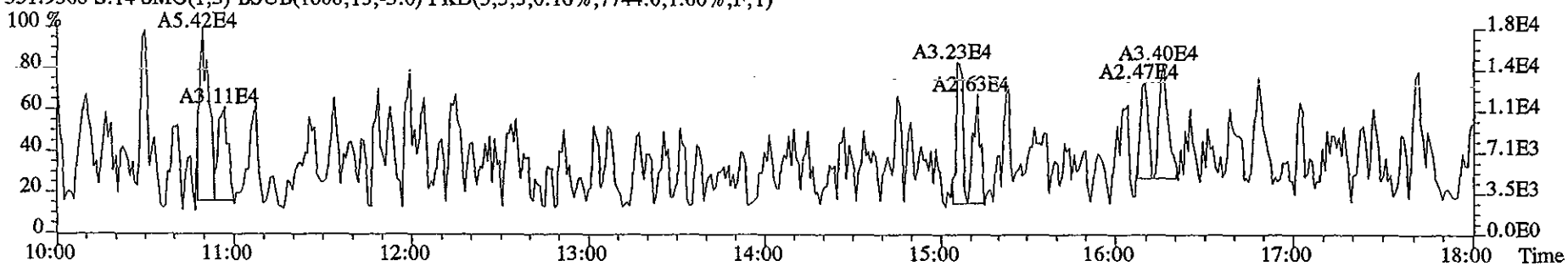
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:10:48 GC EI+ Voltage SIR 70SE
Sample#14 Text:CP0504B :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1384.0,1.00%,F,T)



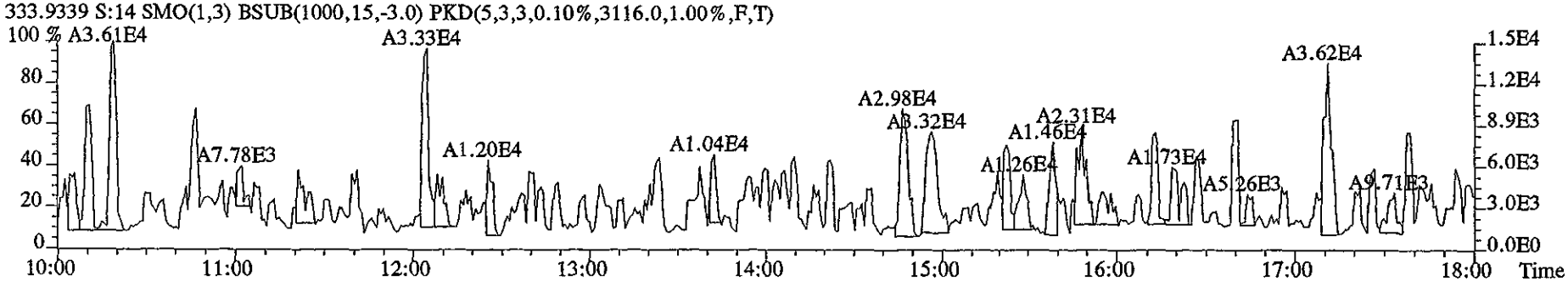
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1384.0,1.00%,F,T)



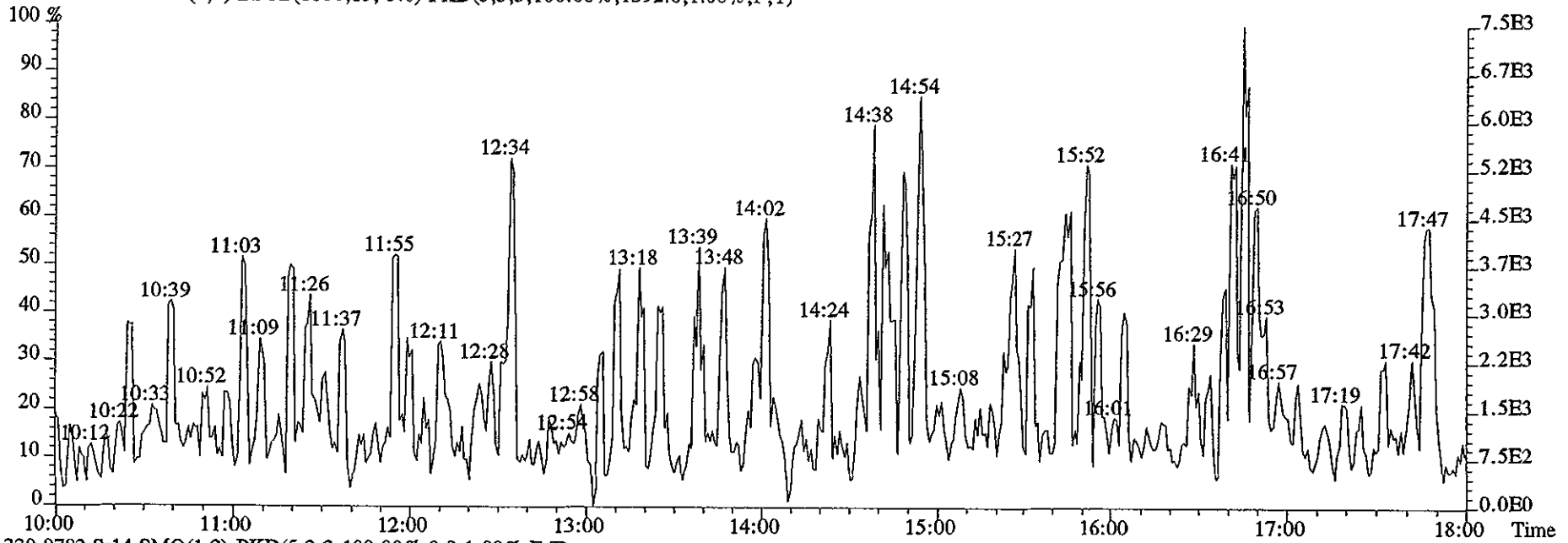
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7744.0,1.00%,F,T)



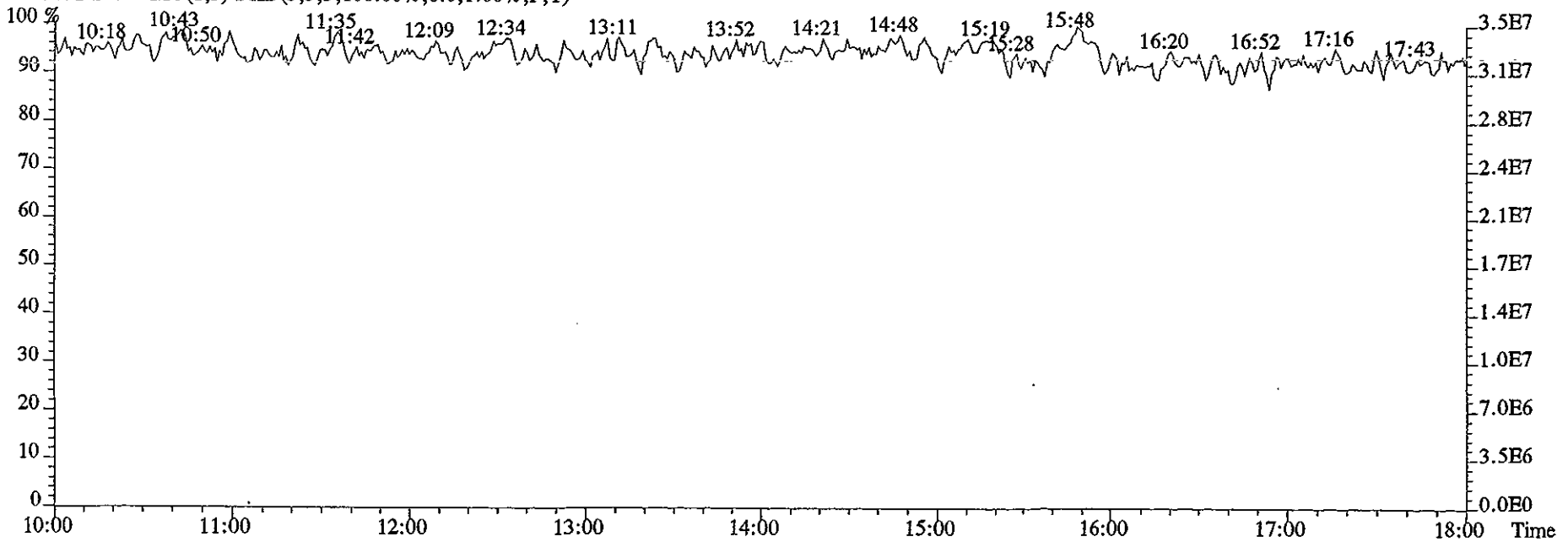
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3116.0,1.00%,F,T)



File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:10:48 GC EI+ Voltage SIR 70SE
Sample#14 Text:CP0504B :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1392.0,1.00%,F,T)

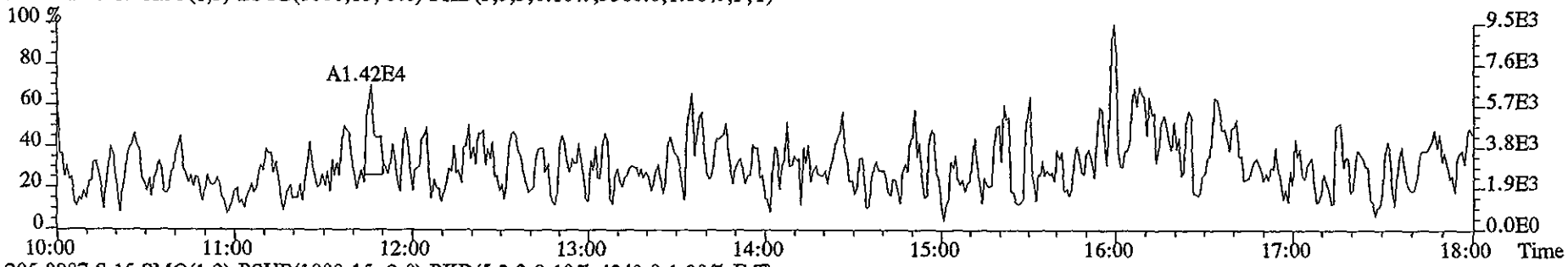


330.9792 S:14 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

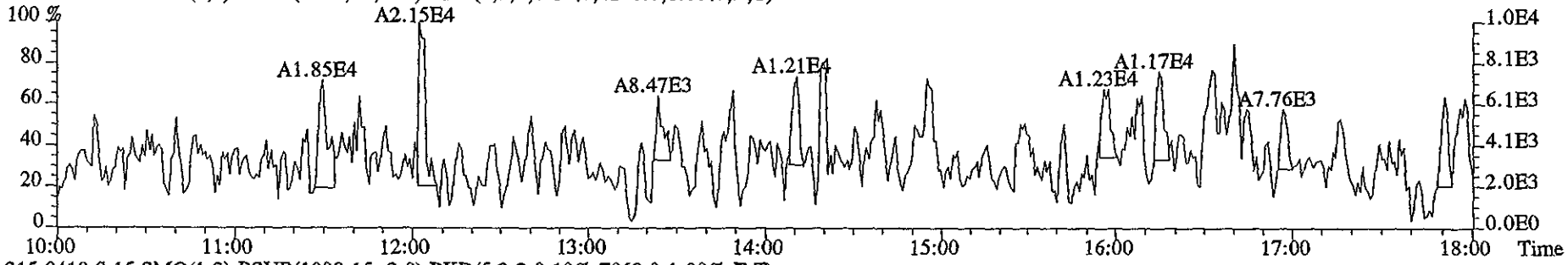


File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:47:51 GC EI+ Voltage SIR 70SE
Sample#15 Text:SB0504C :Solvent Blank C-14 Exp:DB225RES

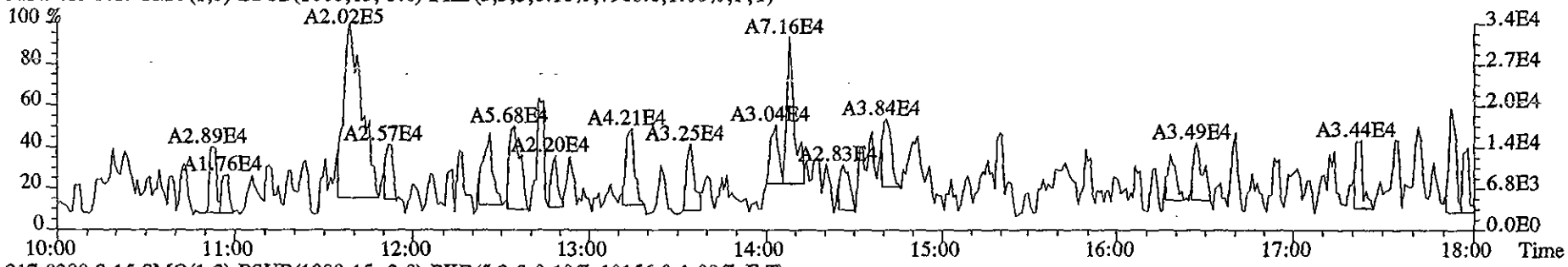
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3560.0,1.00%,F,T)



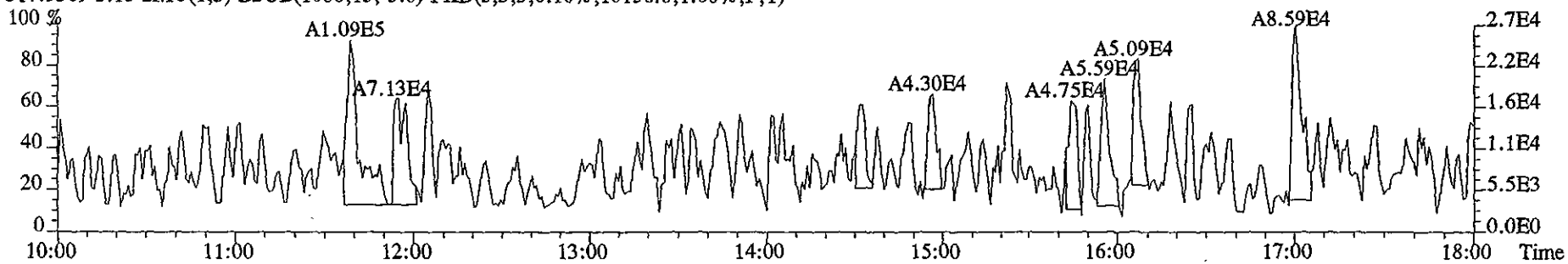
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4248.0,1.00%,F,T)



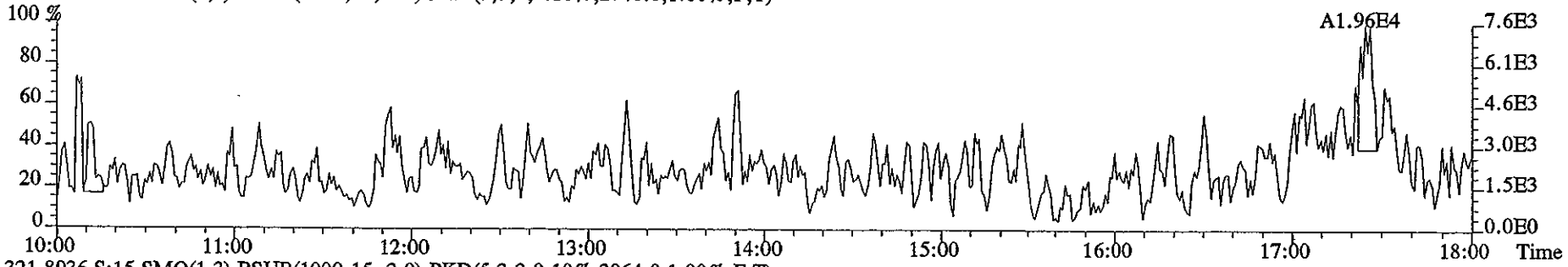
315.9419 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7968.0,1.00%,F,T)



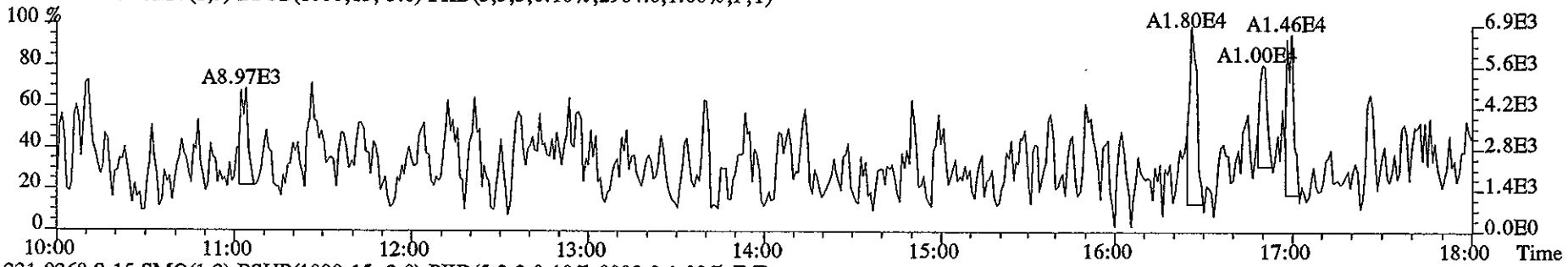
317.9389 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10156.0,1.00%,F,T)



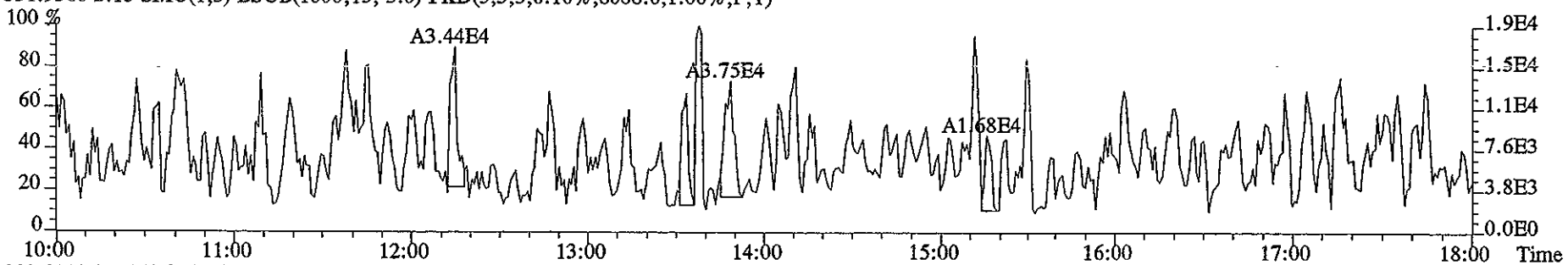
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:47:51 GC EI+ Voltage SIR 70SE
Sample#15 Text:SB0504C :Solvent Blank C-14 Exp:DB225RES
319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2740.0,1.00%,F,T)



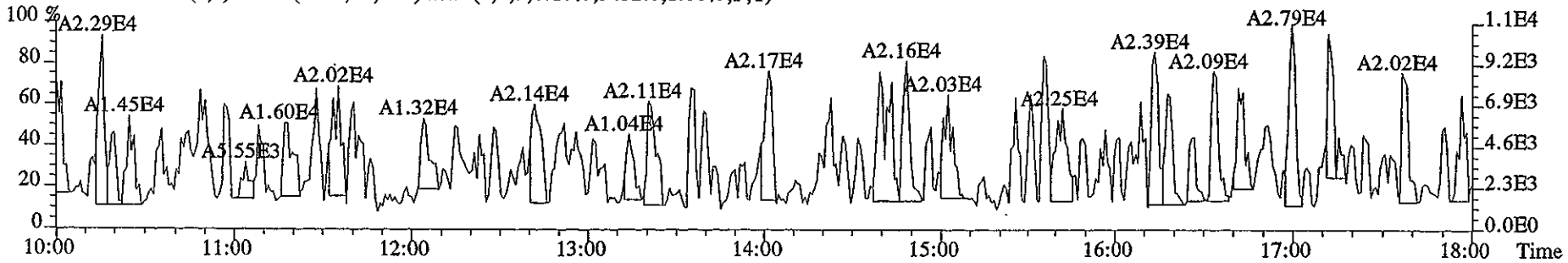
321.8936 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2964.0,1.00%,F,T)



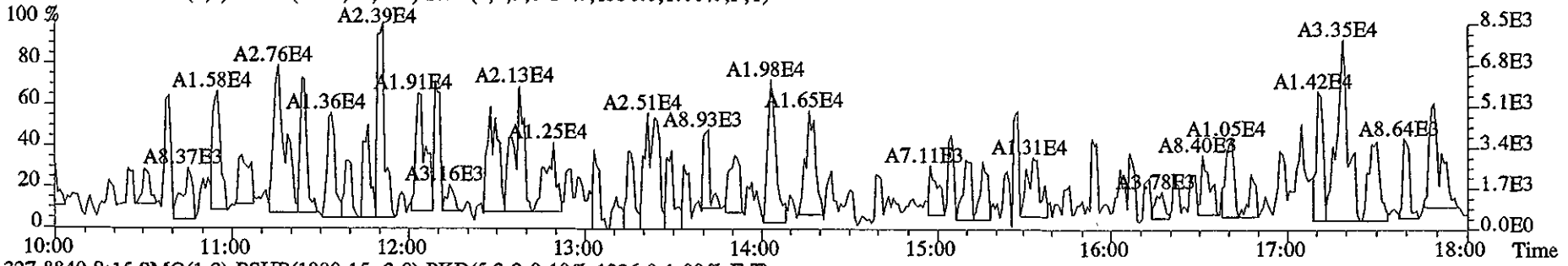
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8088.0,1.00%,F,T)



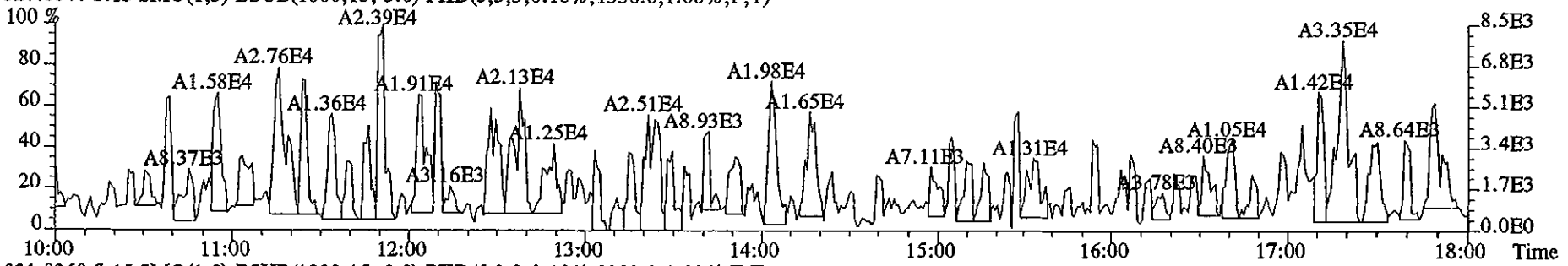
333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3452.0,1.00%,F,T)



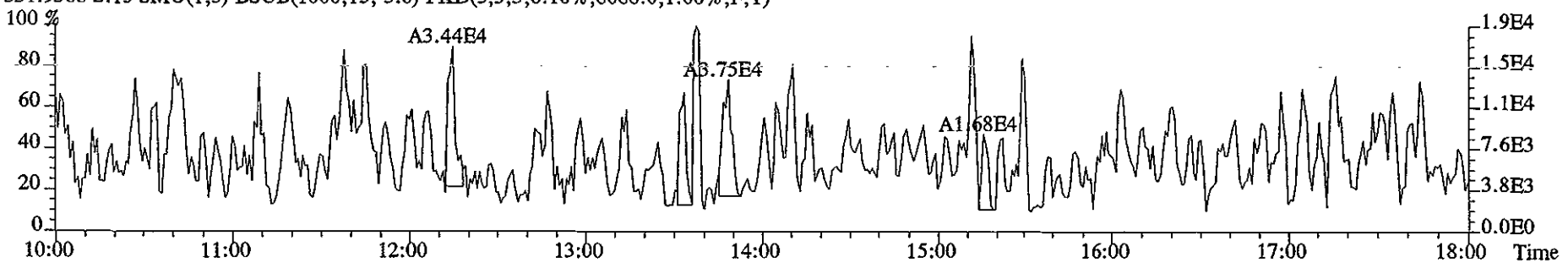
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 08:47:51 GC EI+ Voltage SIR 70SE
Sample#15 Text:SB0504C :Solvent Blank C-14 Exp:DB225RES
327.8840 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)



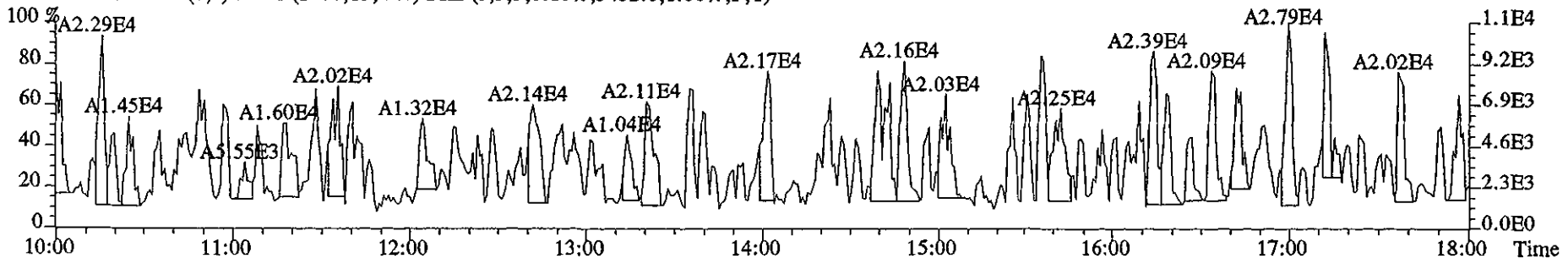
327.8840 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)

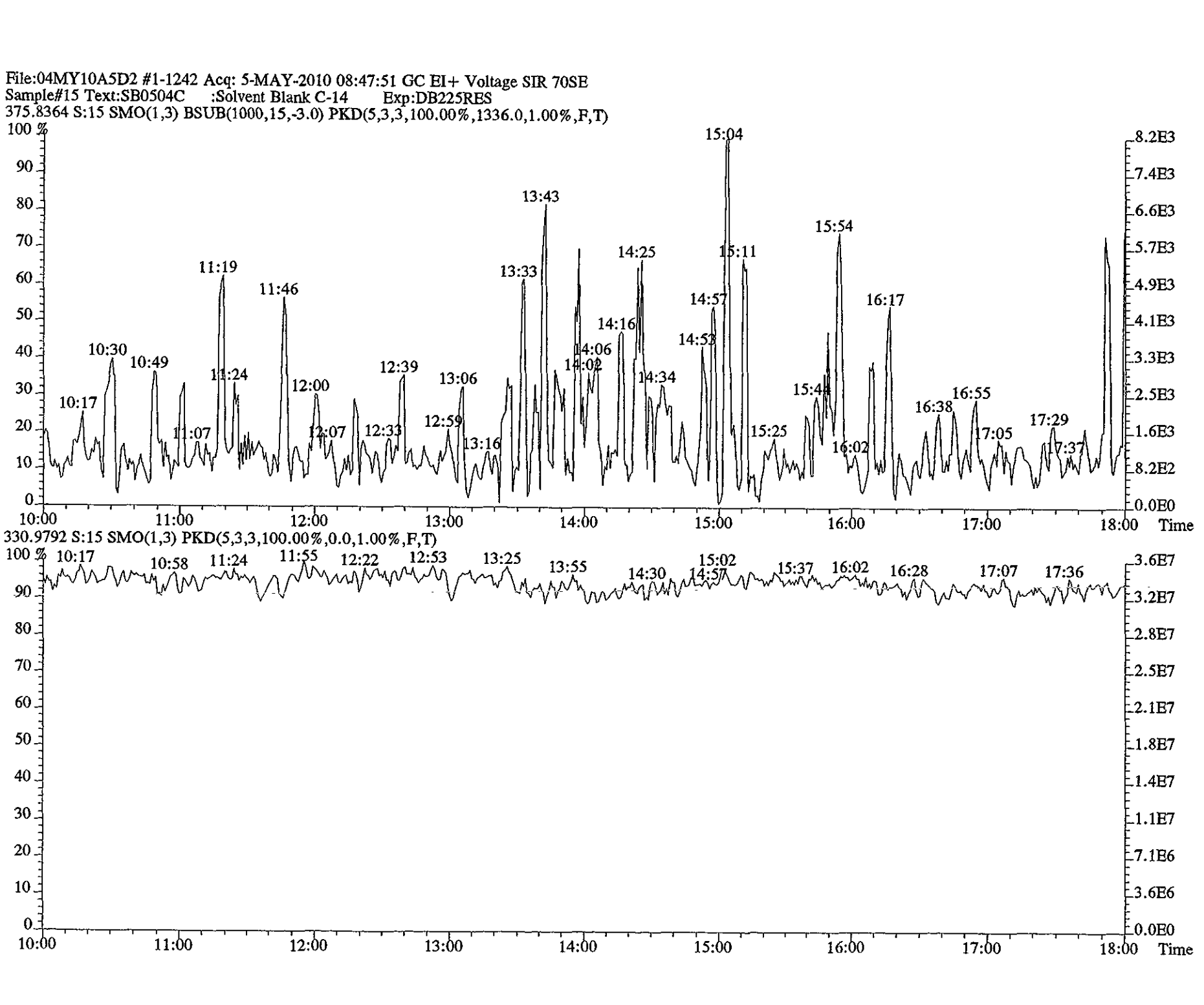


331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8088.0,1.00%,F,T)

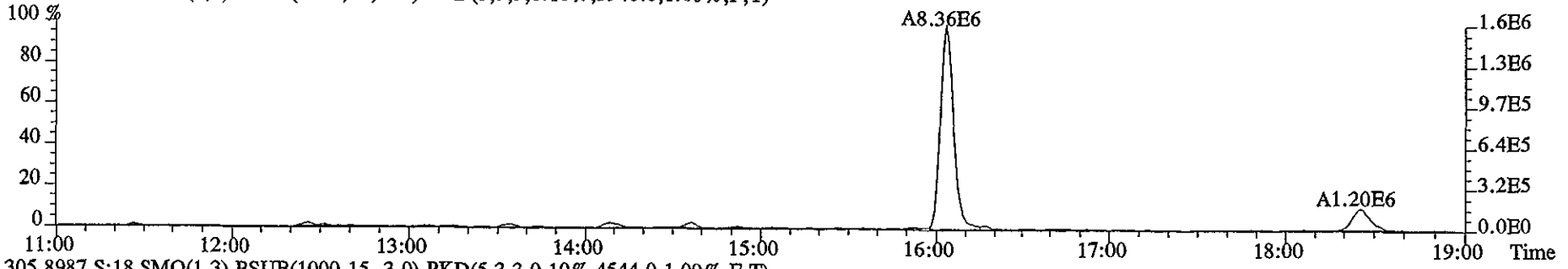


333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3452.0,1.00%,F,T)

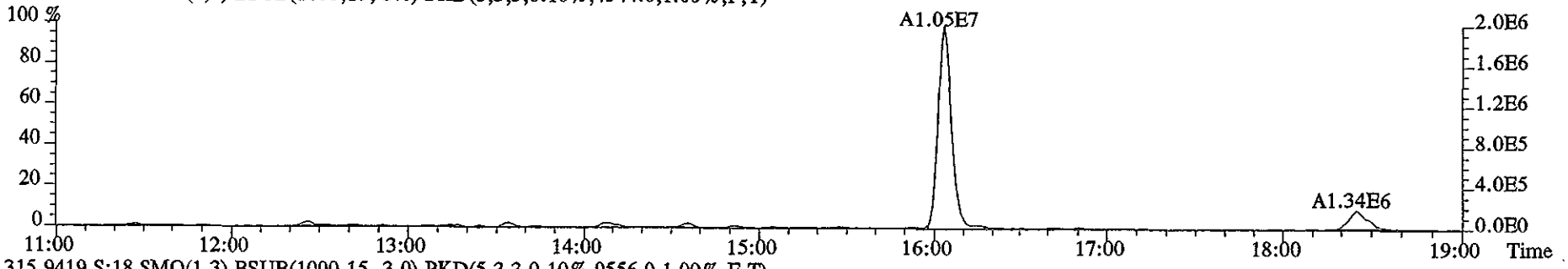




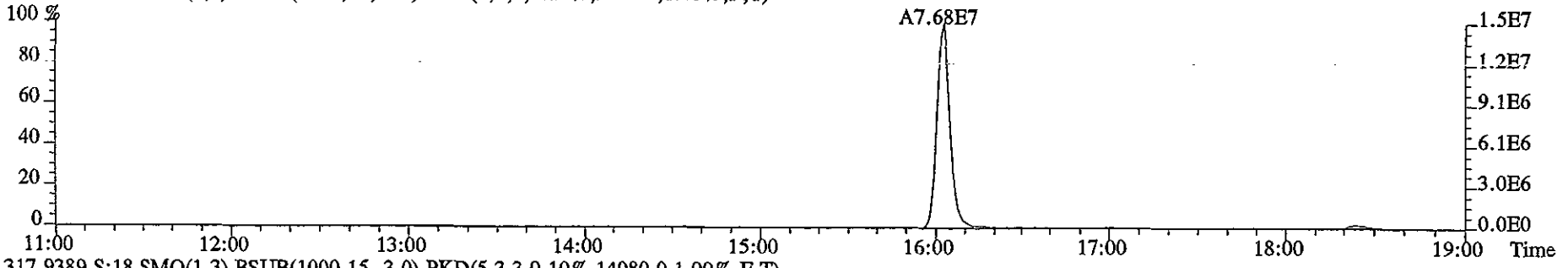
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 10:39:20 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0504D :CS3 10DXN111 Exp:DB225RES
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3948.0,1.00%,F,T)



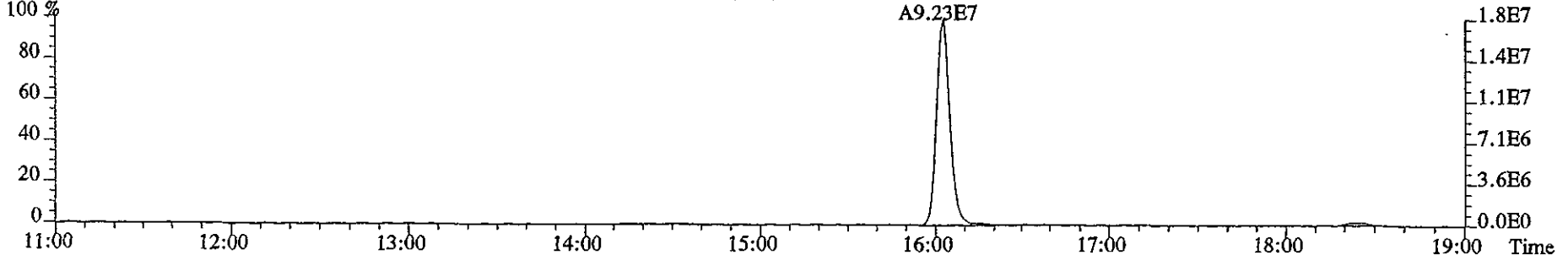
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4544.0,1.00%,F,T)



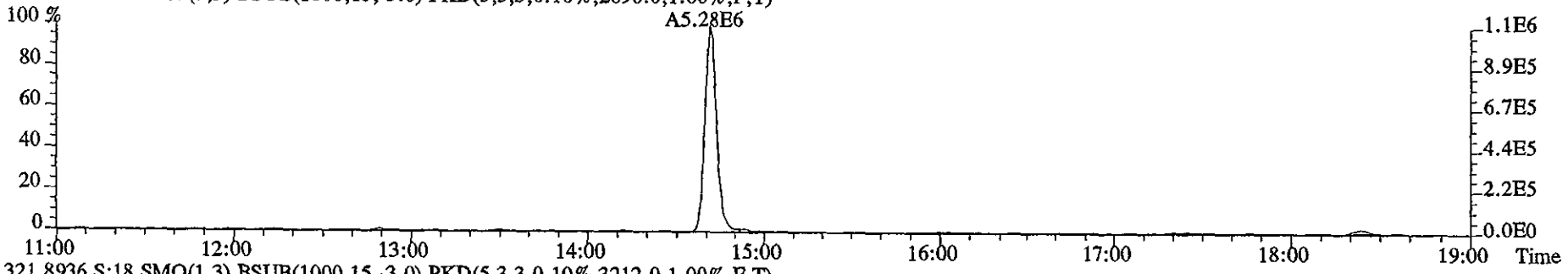
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9556.0,1.00%,F,T)



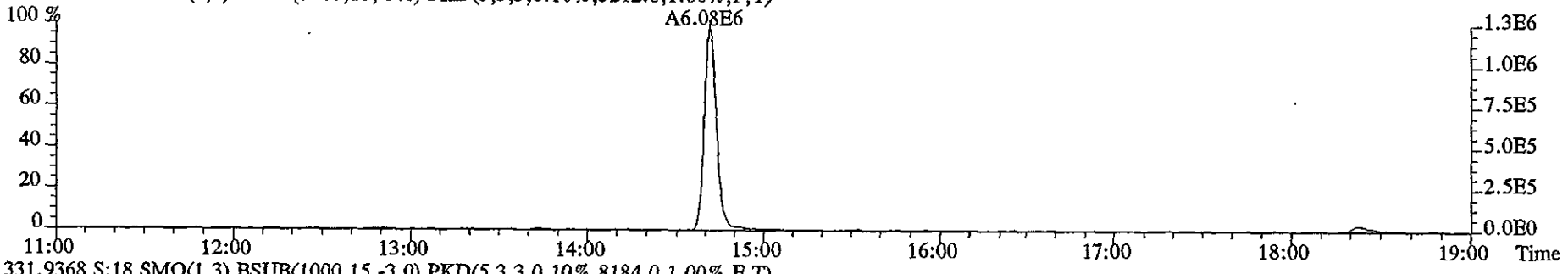
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14980.0,1.00%,F,T)



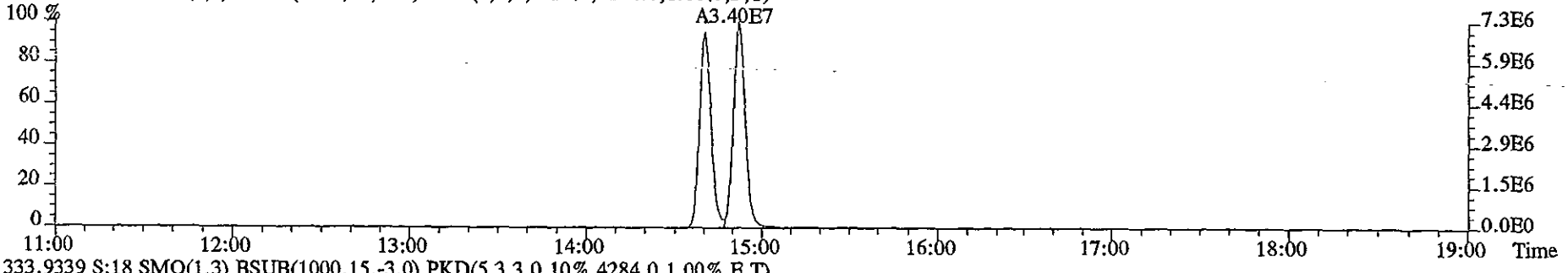
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 10:39:20 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0504D :CS3 10DXN111 Exp:DB225RES
319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)



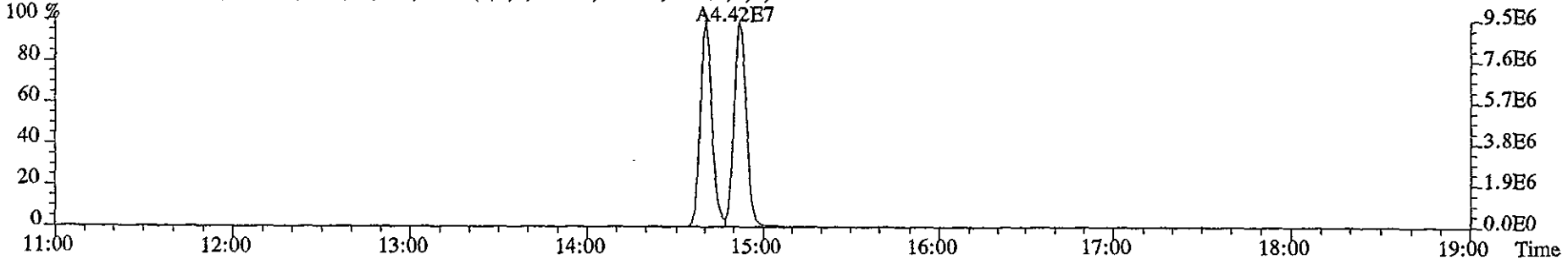
321.8936 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3212.0,1.00%,F,T)



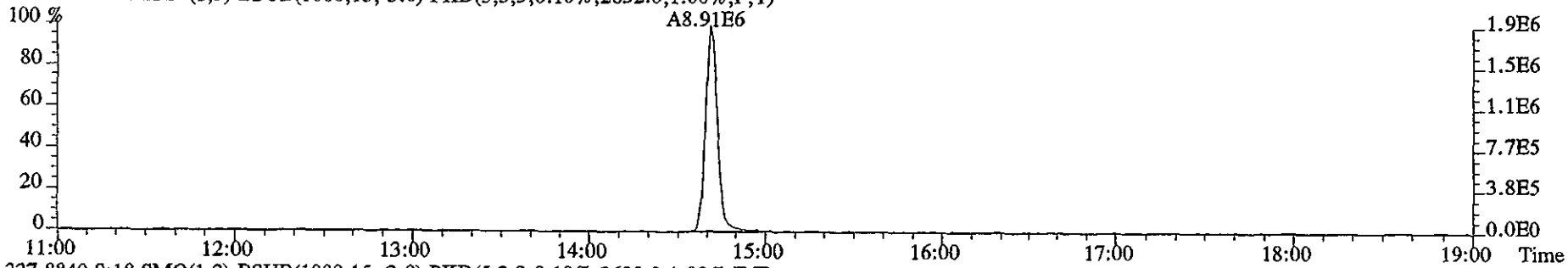
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8184.0,1.00%,F,T)



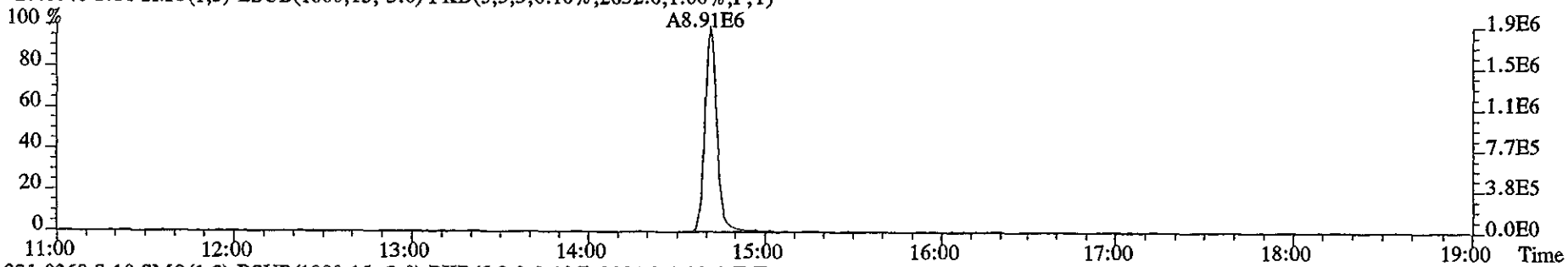
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4284.0,1.00%,F,T)



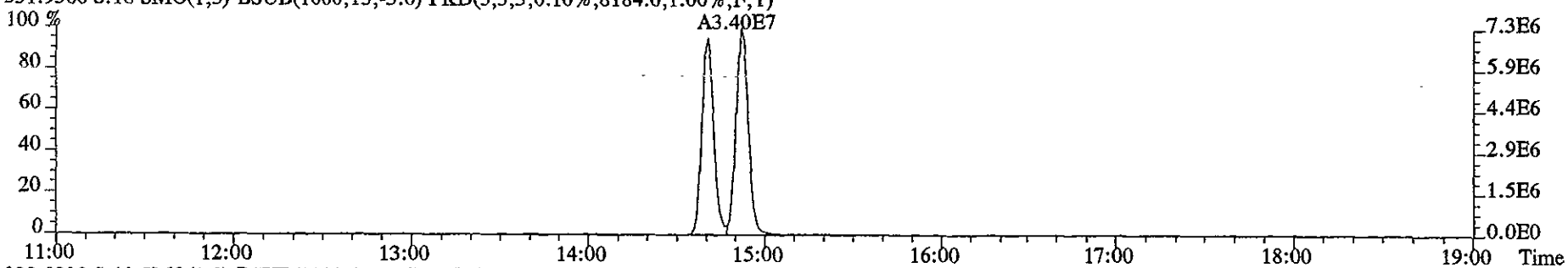
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 10:39:20 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0504D :CS3 10DXN111 Exp:DB225RES
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2632.0,1.00%,F,T)



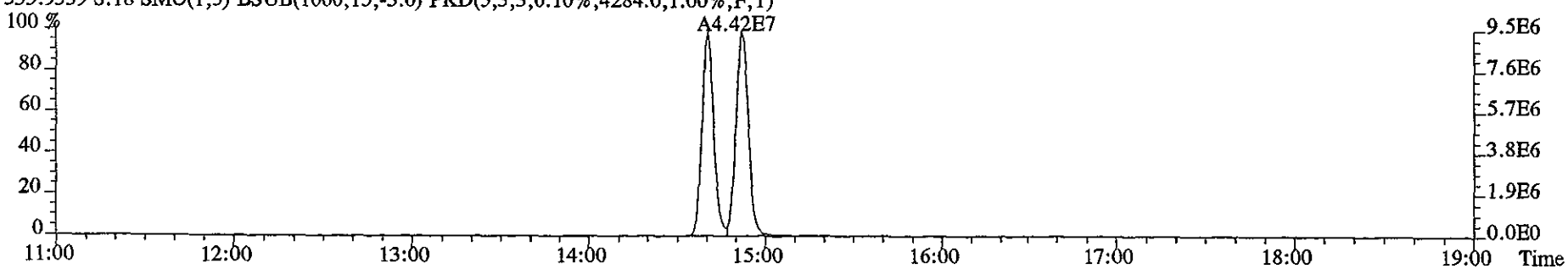
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2632.0,1.00%,F,T)



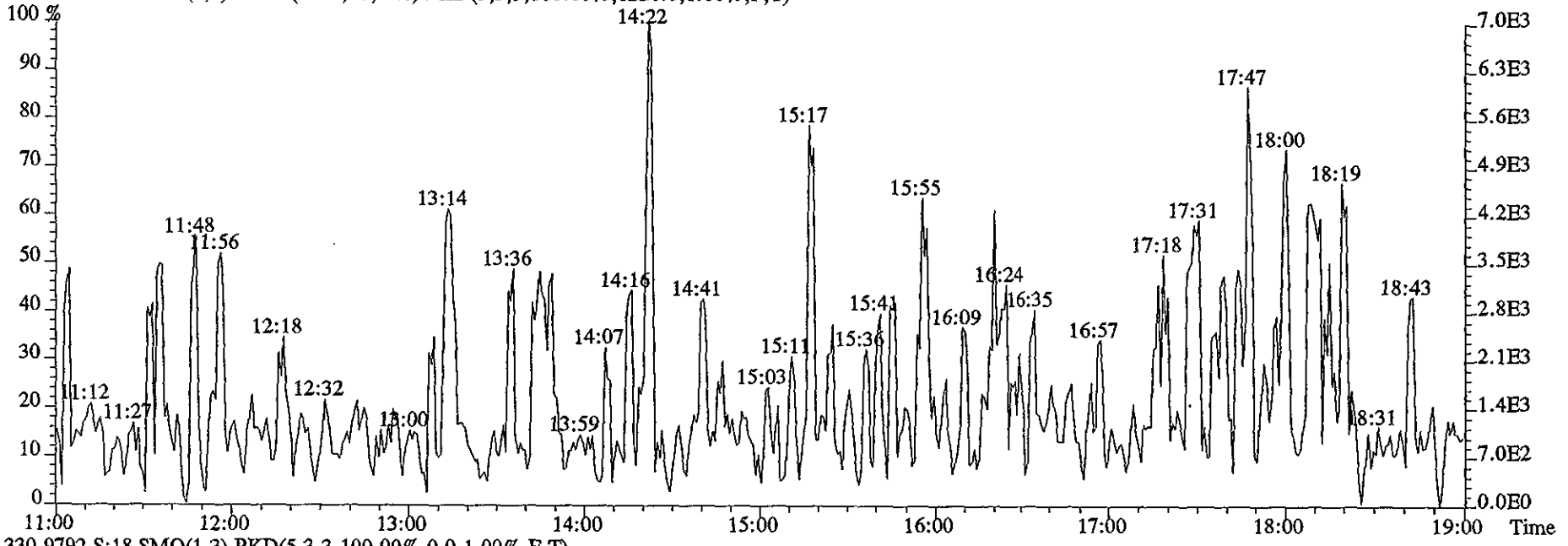
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8184.0,1.00%,F,T)



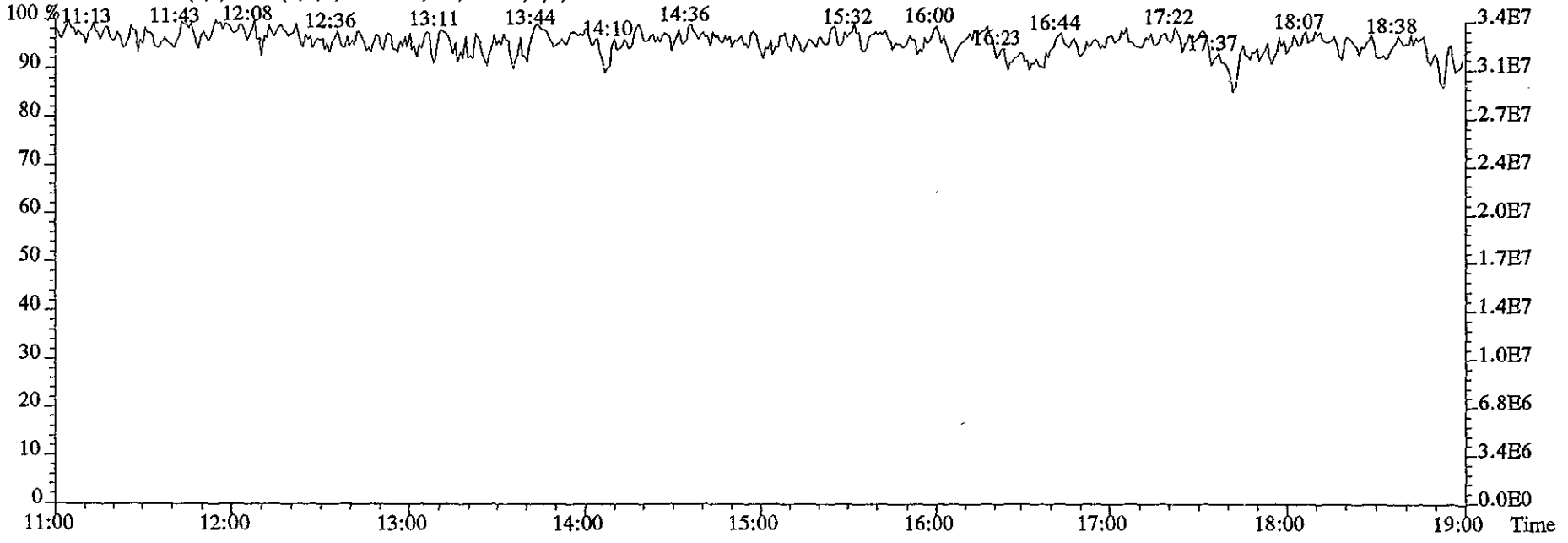
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4284.0,1.00%,F,T)



File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 10:39:20 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0504D :CS3 10DXN111 Exp:DB225RES
375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1220.0,1.00%,F,T)



330.9792 S:18 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290) **Associated ICAL** DB225042110SD2

Column ID DB225 **Instrument ID** 5D2

STD ID ST0504B, ST0504C **STD Solution** 10DxN111

Analyzed by AM, MG **Date Analyzed** 05-04-10 & 05-05-10

Std. Pkg. By AS **Date Std. Pkg. Assembled** 05-05-10

Std. Pkg. Reviewed By KSS **Date Std. Pkg. Reviewed** 5/5/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0504B File text: ST0504B :CS3 10DXN111
Run #6 Filename 04MY10A5D2 S: 1 I: 1
Acquired: 4-MAY-10 23:10:08 Processed: 4-MAY-10 23:47:08
Run: 04MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 04MY10A5D2DB225

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	75259200	0.78	y	14:58	-	100.00	-	n
13C-2,3,7,8-TCDF	163385200	0.82	y	16:09	2.17	100.00	3.1	n
2,3,7,8-TCDF	18028550	0.80	y	16:11	1.10	10.00	1.4	n
13C-2,3,7,8-TCDD	72988500	0.78	y	14:47	0.97	100.00	2.3	n
2,3,7,8-TCDD	10648490	0.83	y	14:48	1.46	10.00	7.5	n
37Cl-2,3,7,8-TCDD	17509540	1.00	y	14:48	2.33	10.00	2.1	n

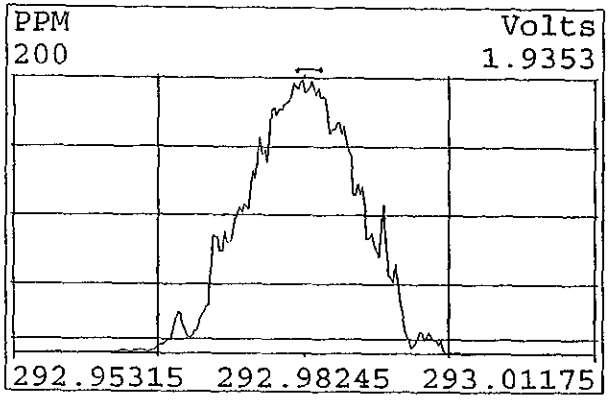
Run text: ST0504C File text: ST0504C :CS3 10DXN111
Run #16 Filename 04MY10A5D2 S: 13 I: 1
Acquired: 5-MAY-10 06:35:01 Processed: 5-MAY-10 08:08:55
Run: 04MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 04MY10A5D2DB225

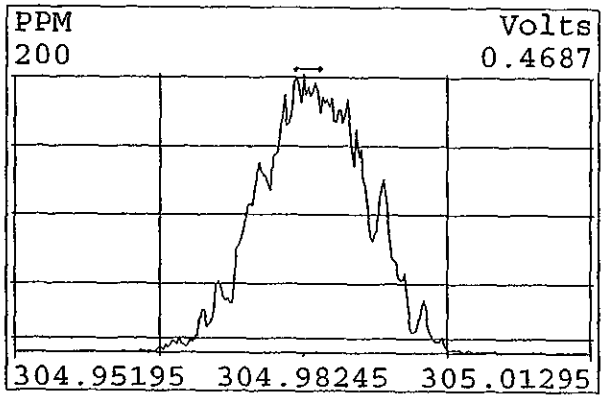
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	77491600	0.79 y	14:52	-	100.00	-	n
13C-2,3,7,8-TCDF	173089400	0.83 y	16:03	2.23	100.00	6.0	n
2,3,7,8-TCDF	19463340	0.78 y	16:04	1.12	10.00	3.3	n
13C-2,3,7,8-TCDD	78834900	0.77 y	14:41	1.02	100.00	7.3	n
2,3,7,8-TCDD	11008700	0.86 y	14:42	1.40	10.00	2.9	n
37Cl-2,3,7,8-TCDD	17624320	1.00 y	14:41	2.27	10.00	-0.2	n

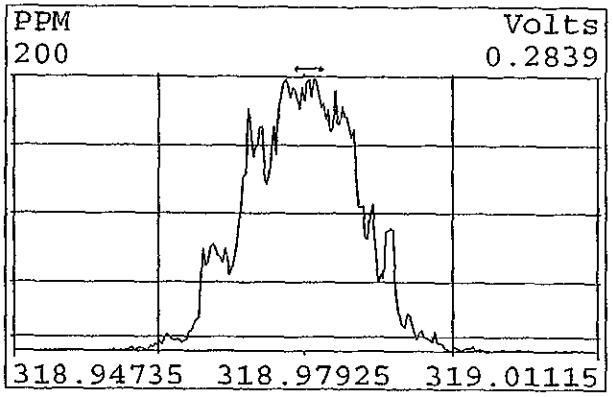
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04MY10A5D2	1	ST0504B	CS3 10DXN111				1.000	
04MY10A5D2	2	CP0504A	DB-225 CPSM 3732-06				1.000	
04MY10A5D2	3	SB0504A	Solvent Blank C-14				1.000	
04MY10A5D2	4	LX3XF-1-AE	G0D160486-40 (10X)	10	8290/SOLID	80	10.280	g
04MY10A5D2	5	LX3XG-1-AE	G0D160486-41 (10X)	10	8290/SOLID		10.250	g
04MY10A5D2	6	LX8NW-1-AD	G0D200500-55	10	8290/SOLID		10.020	g
04MY10A5D2	7	LX8NW-1-AE	G0D200500-55S	10	8290/SOLID		10.000	g
04MY10A5D2	8	LX8NW-1-AF	G0D200500-55D	10	8290/SOLID		10.670	g
04MY10A5D2	9	LX3WA-1-AD	G0D160486-25	10	8290/SOLID	79	10.490	g
04MY10A5D2	10	LX3WA-1-AE	G0D160486-25S	10	8290/SOLID		10.120	g
04MY10A5D2	11	LX3WA-1-AF	G0D160486-25D	10	8290/SOLID		10.390	g
04MY10A5D2	12	SB0504B	Solvent Blank C-14				1.000	
04MY10A5D2	13	ST0504C	CS3 10DXN111				1.000	
04MY10A5D2	14	CP0504B	DB-225 CPSM 3732-06				1.000	
04MY10A5D2	15	SB0504C	Solvent Blank C-14				1.000	
04MY10A5D2	16	LX8NW-1-AD	G0D200500-55 RI	10	8290/SOLID	80	10.020	g
04MY10A5D2	17	SB0504D	Solvent Blank C-14				1.000	
04MY10A5D2	18	ST0504D	CS3 10DXN111				1.000	
04MY10A5D2	19						1.000	
04MY10A5D2	20						1.000	
04MY10A5D2	21						1.000	
'MY10A5D2	22		AM,MG 05/04/10				1.000	

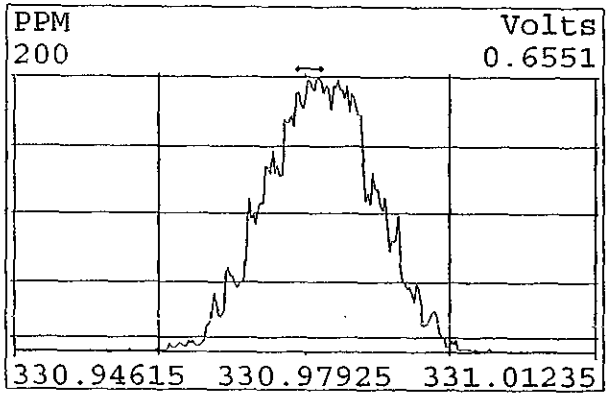
log file checked
AS
05/05/10

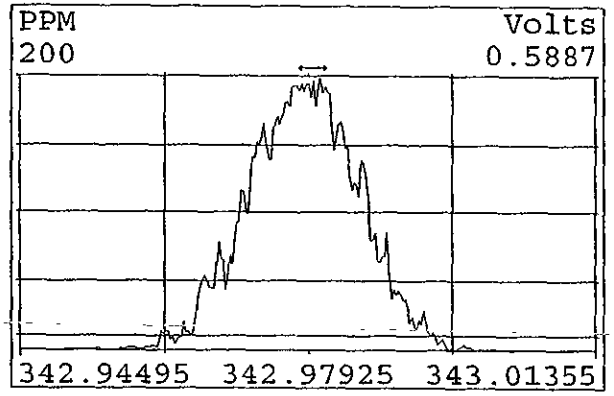
Peak Locate Examination: 4-MAY-2010:23:08 File:04MY10A5D2
Experiment:DB225RES Function:1 Reference:PFK

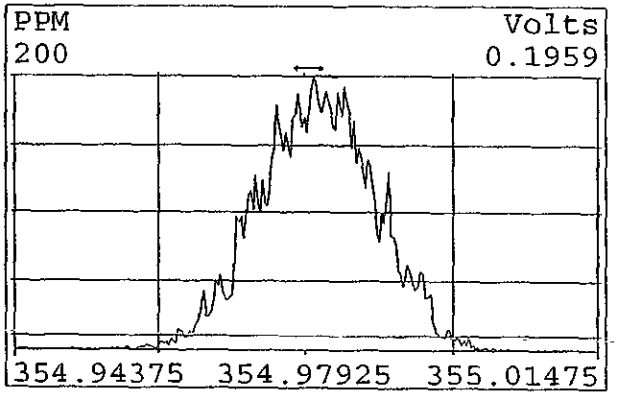


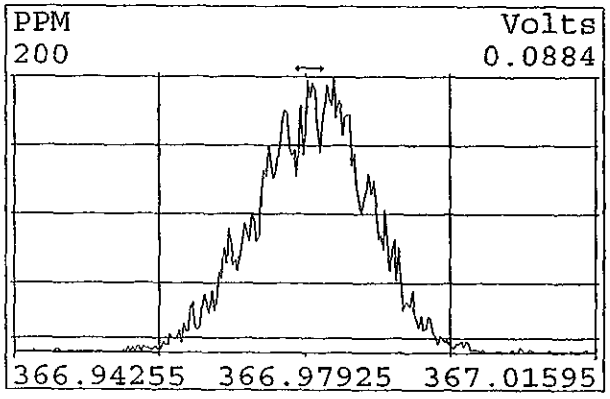


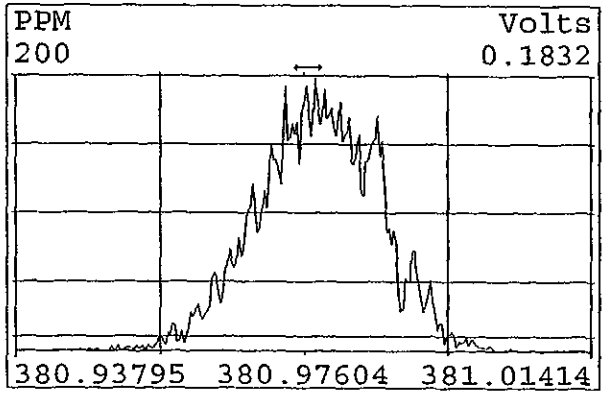




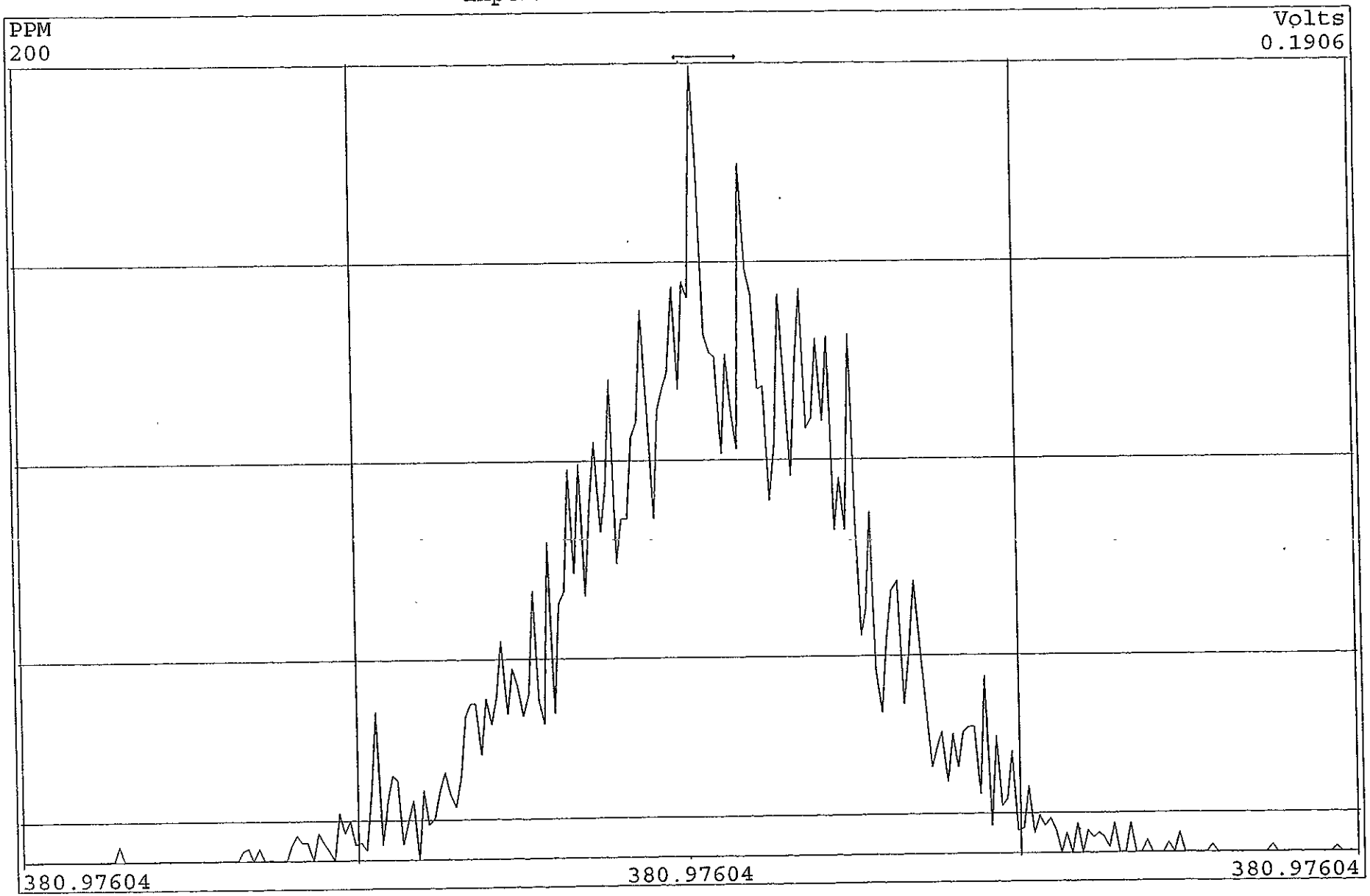




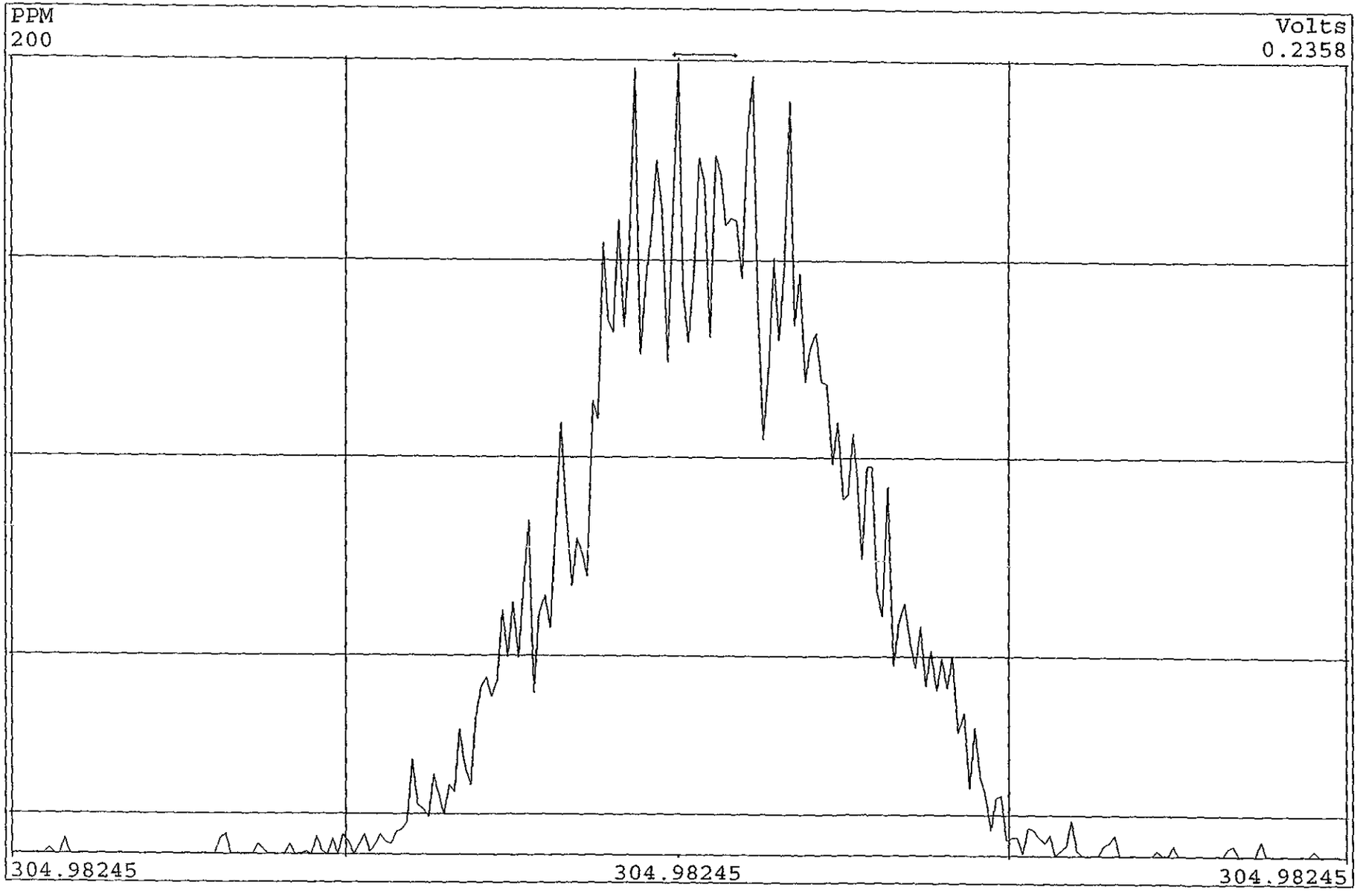




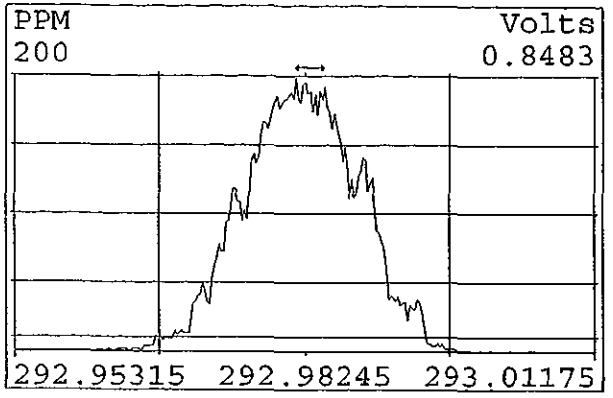
SIRLM Examination: 5-MAY-2010:08:36 File:04MY10A5D2
Experiment:DB225RES Function:2

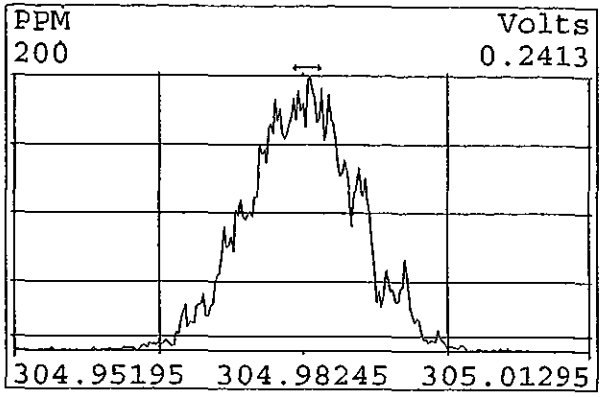


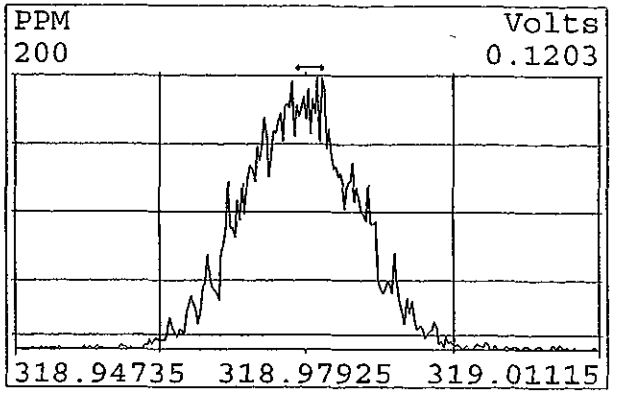
SIRLM Examination: 5-MAY-2010:08:37 File:04MY10A5D2
Experiment:DB225RES Function:3

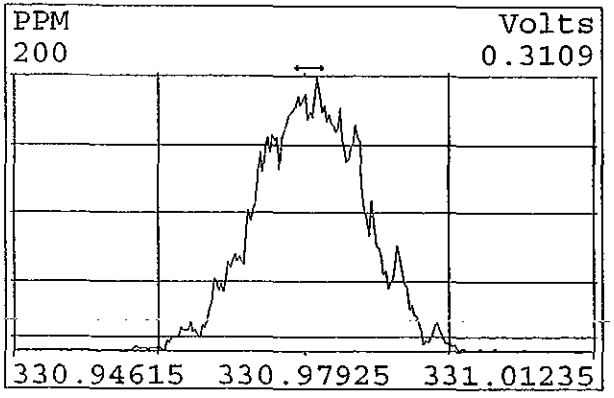


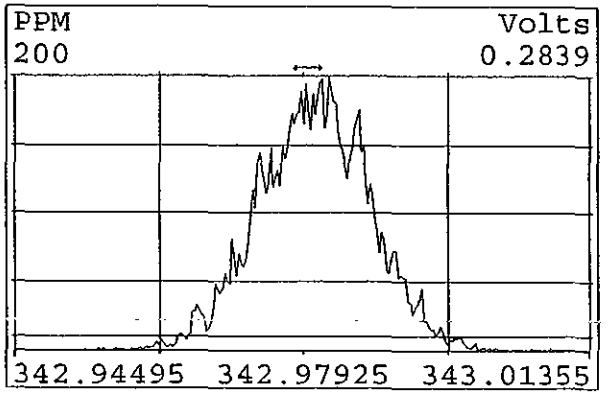
Peak Locate Examination: 5-MAY-2010:11:19 File:04MY10A5D2ENDRES
Experiment:DB225RES Function:1 Reference:PFK

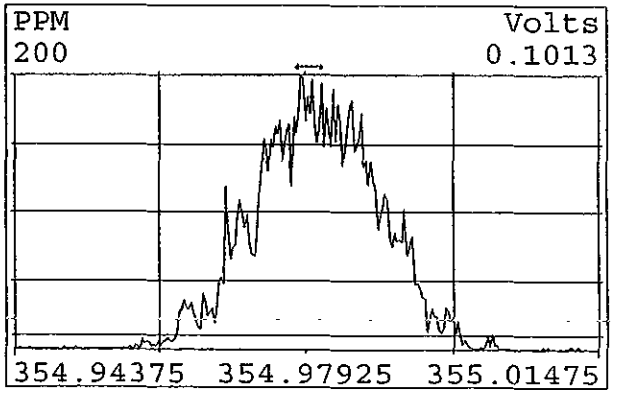


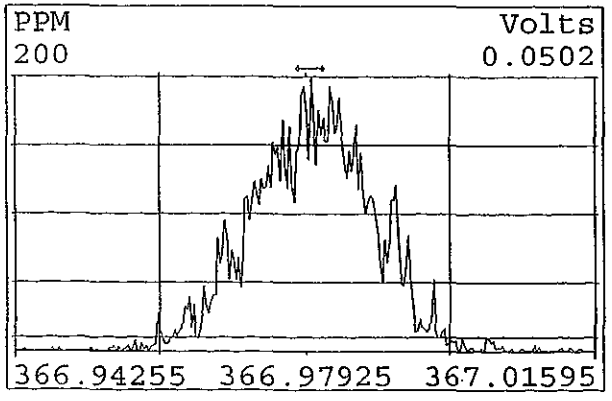


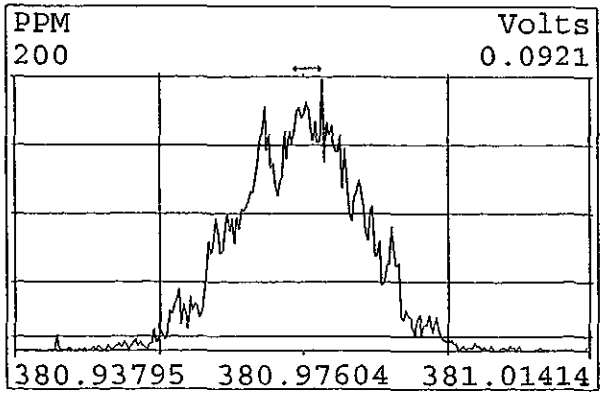




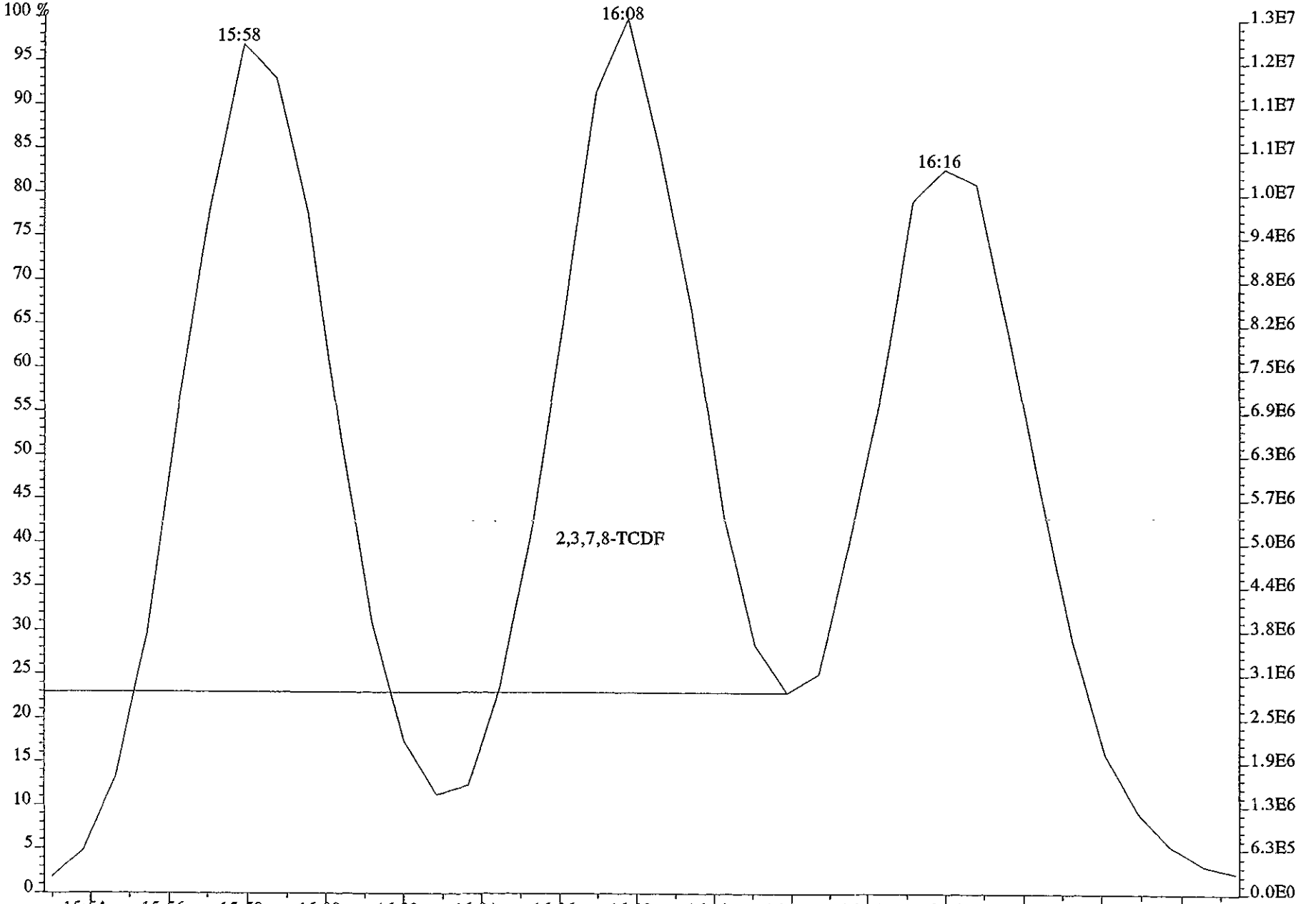








File:04MY10A5D2 #1-1241 Acq: 4-MAY-2010 23:47:12 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0504A :DB-225 CPSM 3732-06 Exp:DB225RES
305.8987 S:2

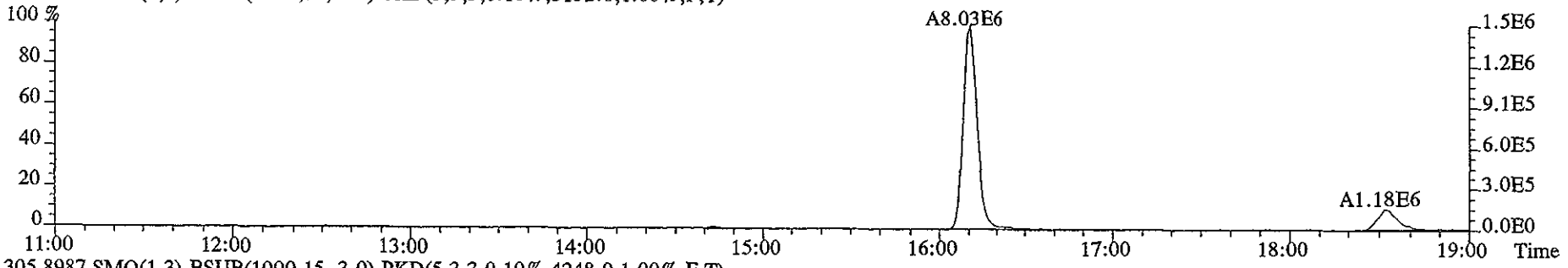


Run: 04MY10A5D2 Analyte: DB225 Cal: DB2250421105D2

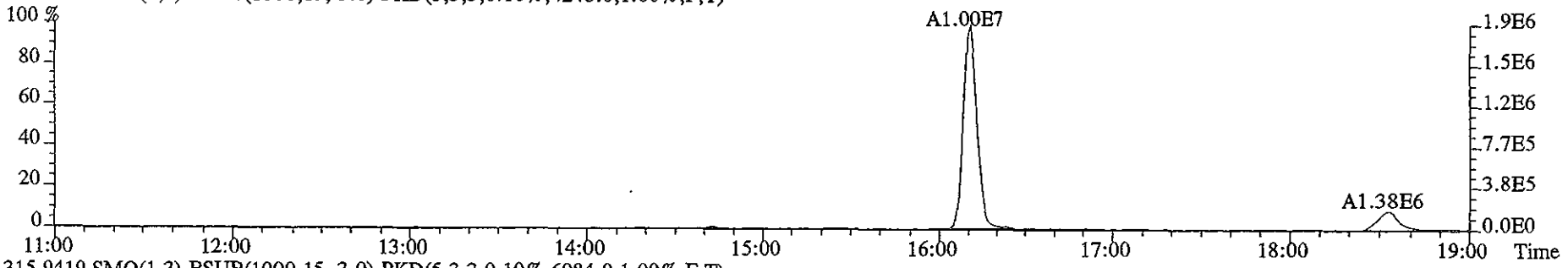
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

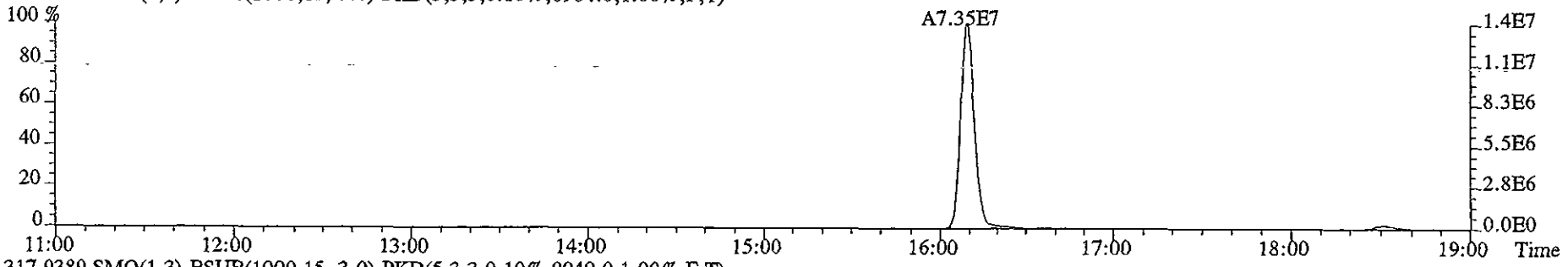
File:04MY10A5D2 #1-1242 Acq: 4-MAY-2010 23:10:08 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0504B :CS3 10DXN111 Exp:DB225RES
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3152.0,1.00%,F,T)



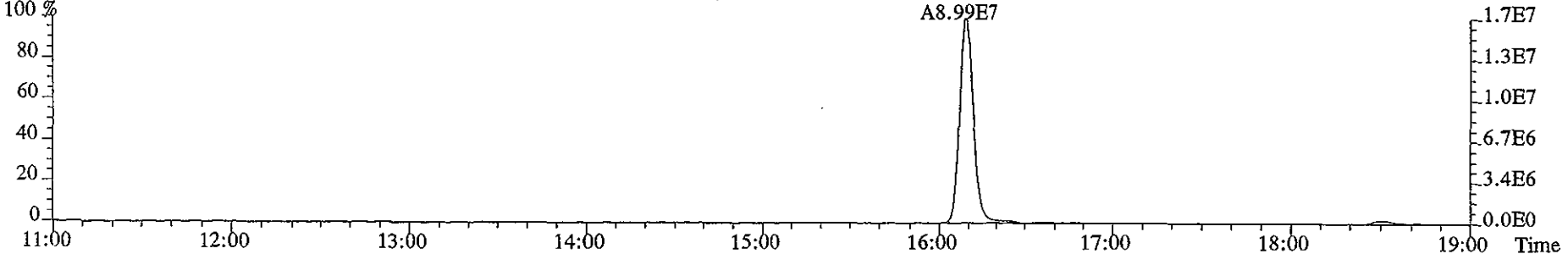
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4248.0,1.00%,F,T)



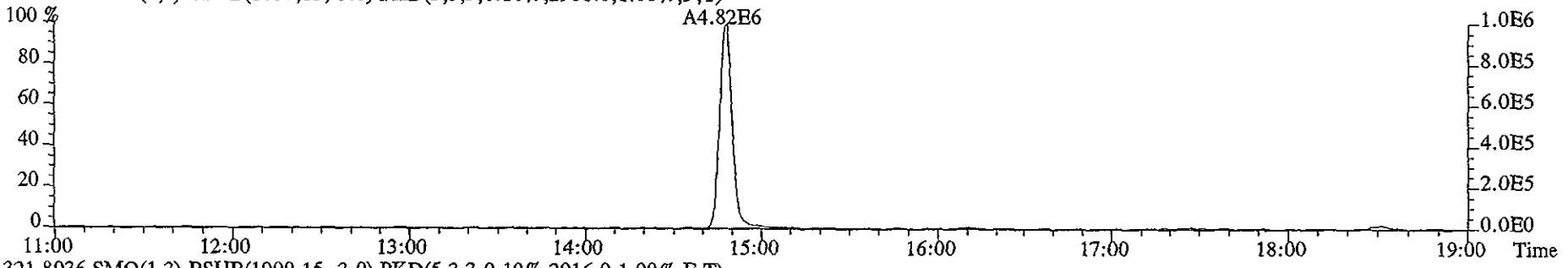
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6984.0,1.00%,F,T)



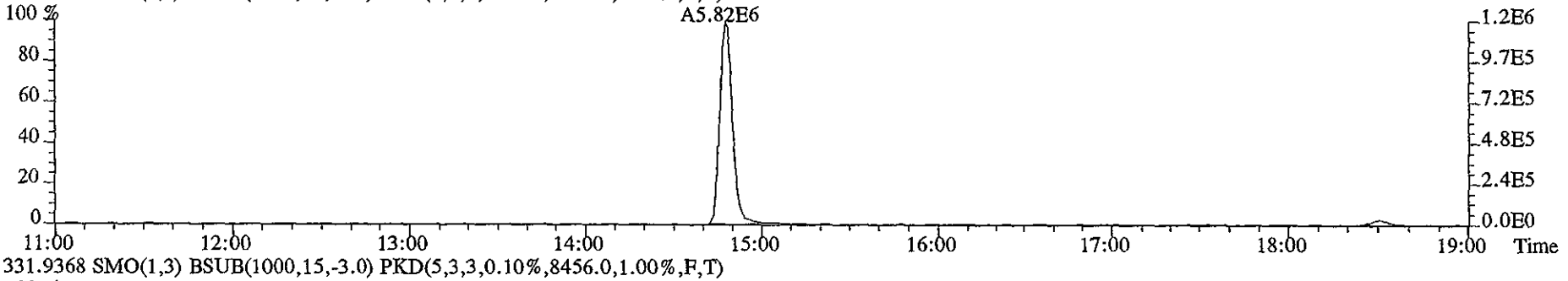
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9940.0,1.00%,F,T)



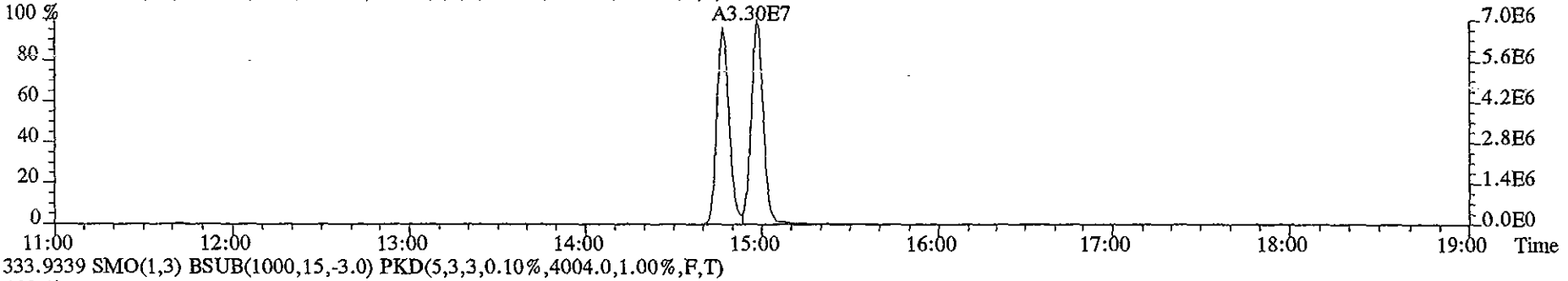
File:04MY10A5D2 #1-1242 Acq: 4-MAY-2010 23:10:08 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0504B :CS3 10DXN111 Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2908.0,1.00%,F,T)



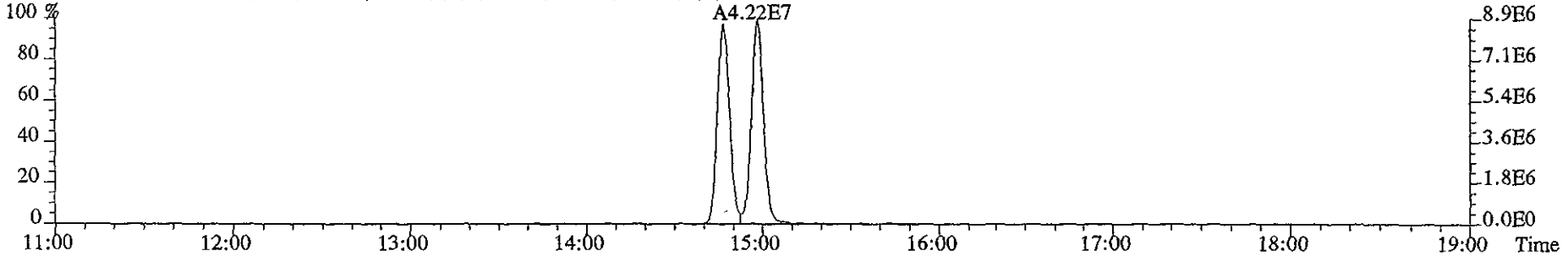
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2916.0,1.00%,F,T)



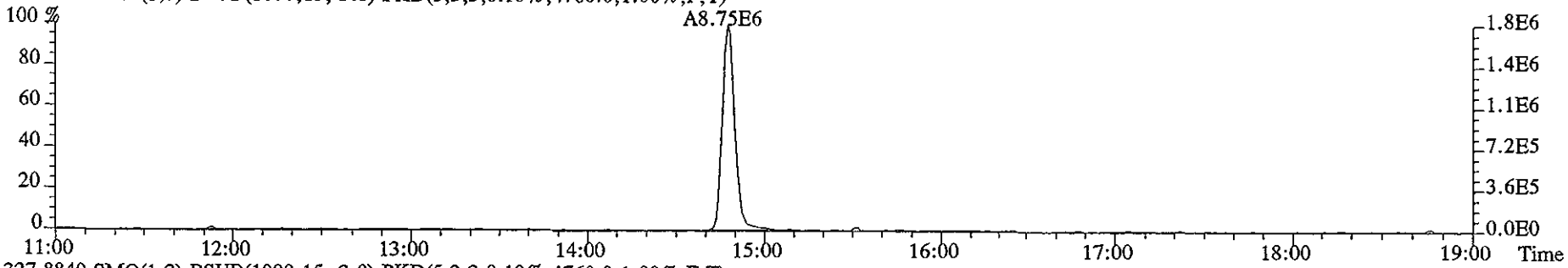
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8456.0,1.00%,F,T)



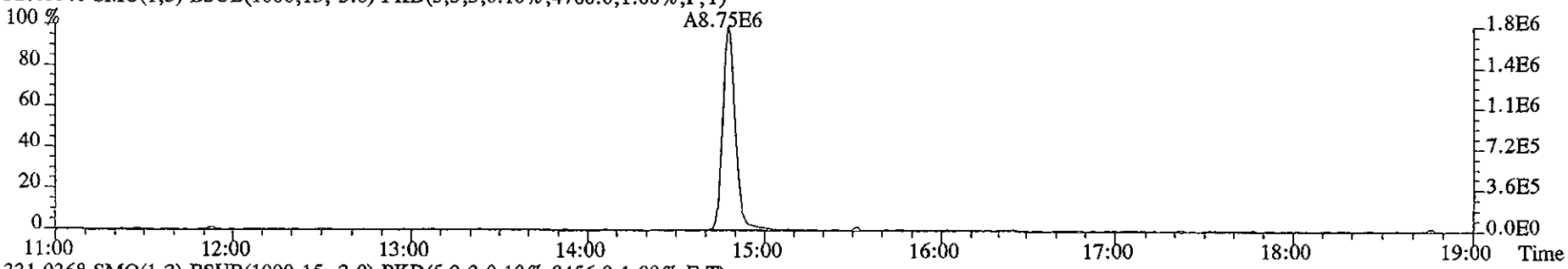
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4004.0,1.00%,F,T)



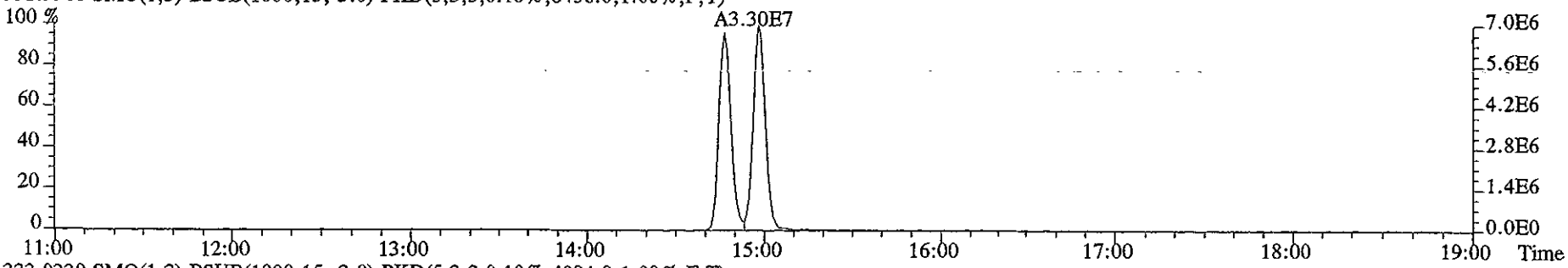
File:04MY10A5D2 #1-1242 Acq: 4-MAY-2010 23:10:08 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0504B :CS3 10DXN111 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4760.0,1.00%,F,T)



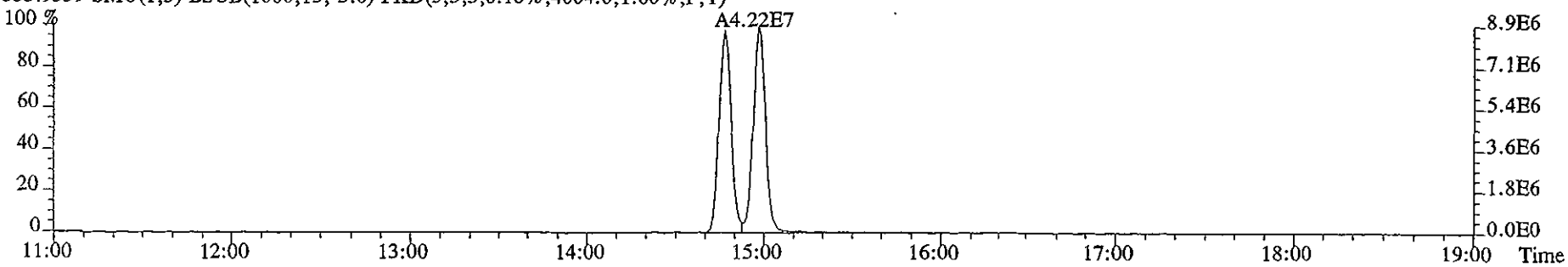
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4760.0,1.00%,F,T)



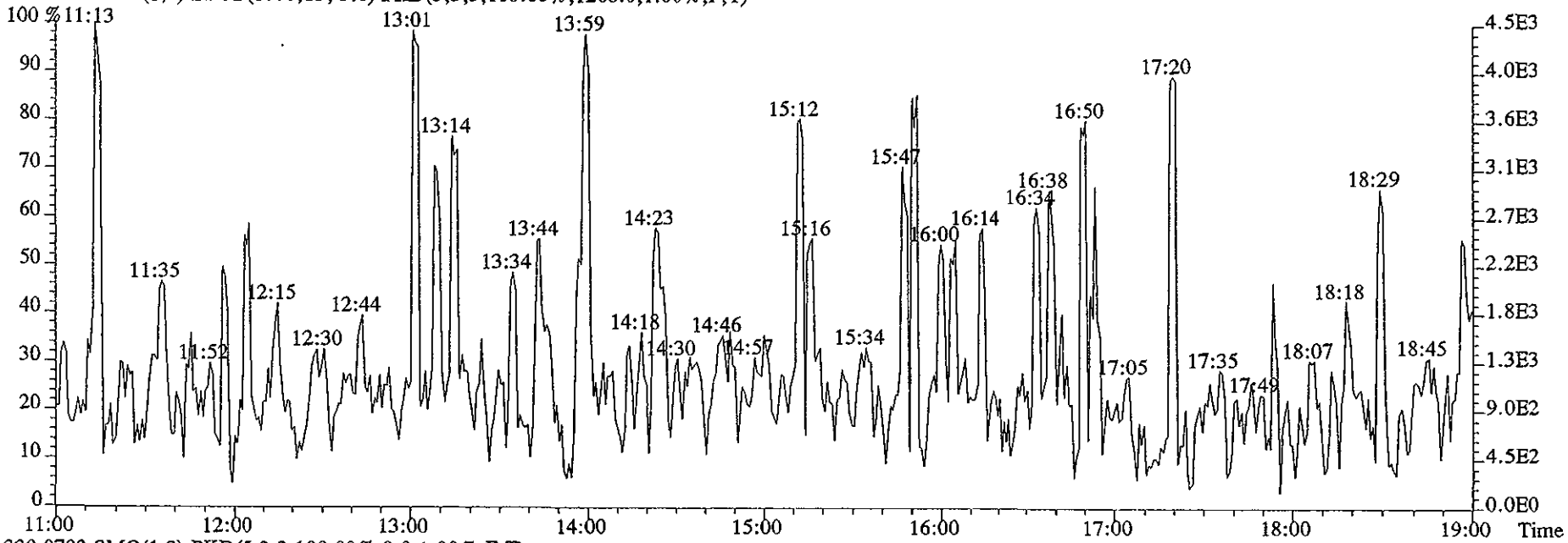
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8456.0,1.00%,F,T)



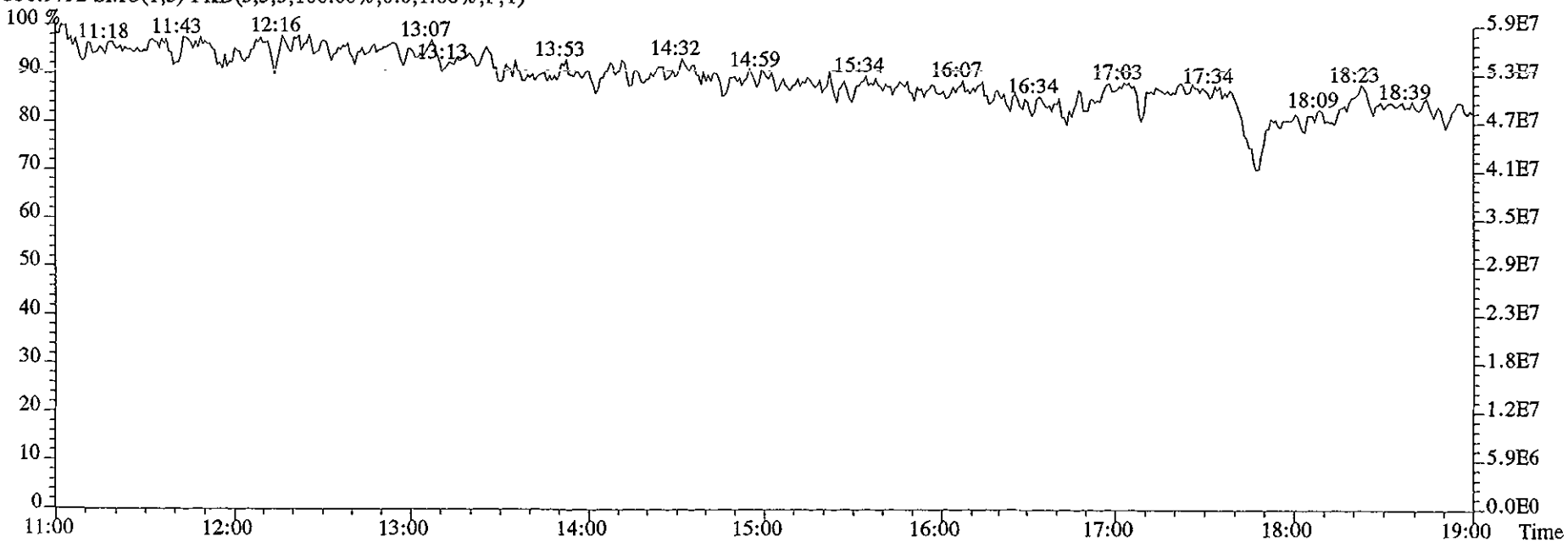
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4004.0,1.00%,F,T)



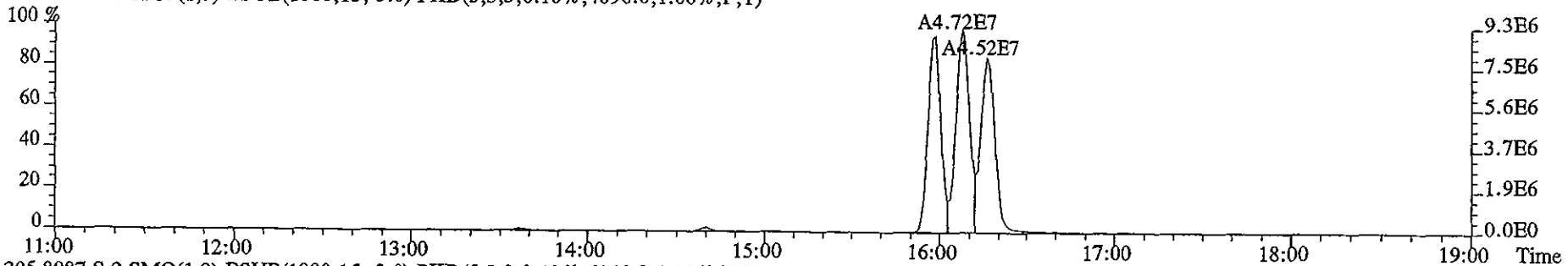
File:04MY10A5D2 #1-1242 Acq: 4-MAY-2010 23:10:08 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0504B :CS3 10DXN111 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1268.0,1.00%,F,T)



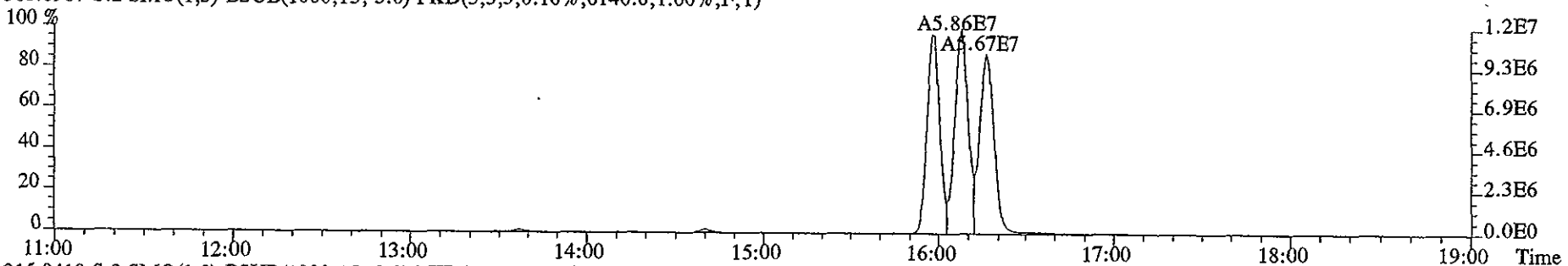
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



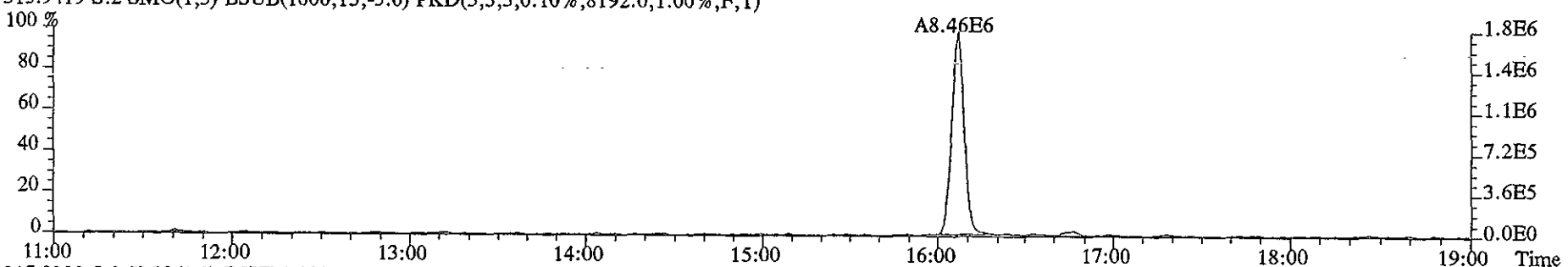
File:04MY10A5D2 #1-1241 Acq: 4-MAY-2010 23:47:12 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0504A :DB-225 CPSM 3732-06 Exp:DB225RES
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4096.0,1.00%,F,T)



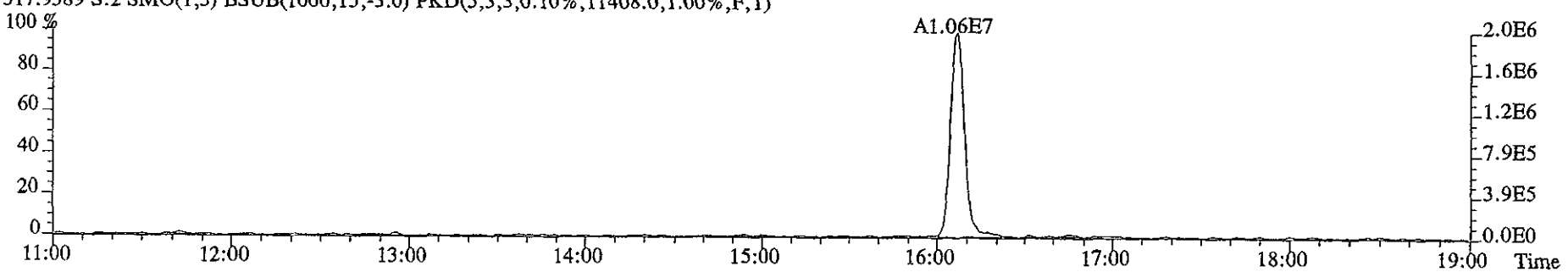
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6140.0,1.00%,F,T)



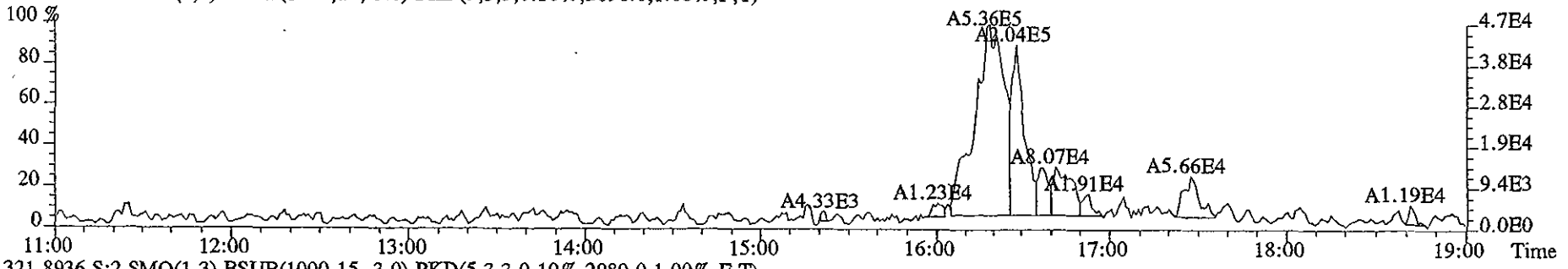
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8192.0,1.00%,F,T)



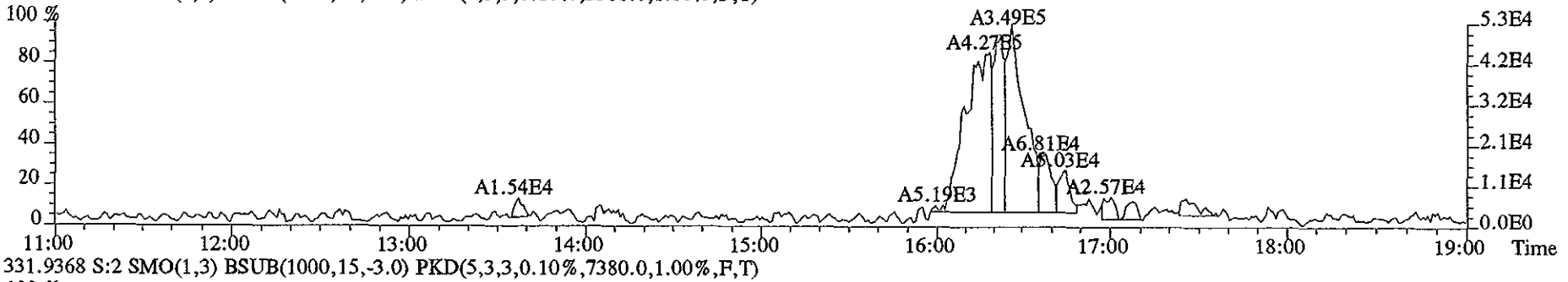
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11408.0,1.00%,F,T)



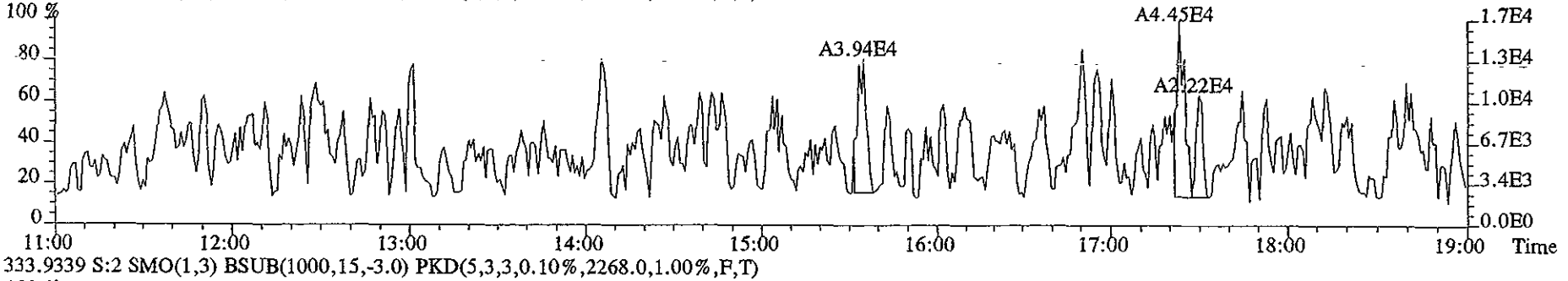
File:04MY10A5D2 #1-1241 Acq: 4-MAY-2010 23:47:12 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0504A :DB-225 CPSM 3732-06 Exp:DB225RES
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)



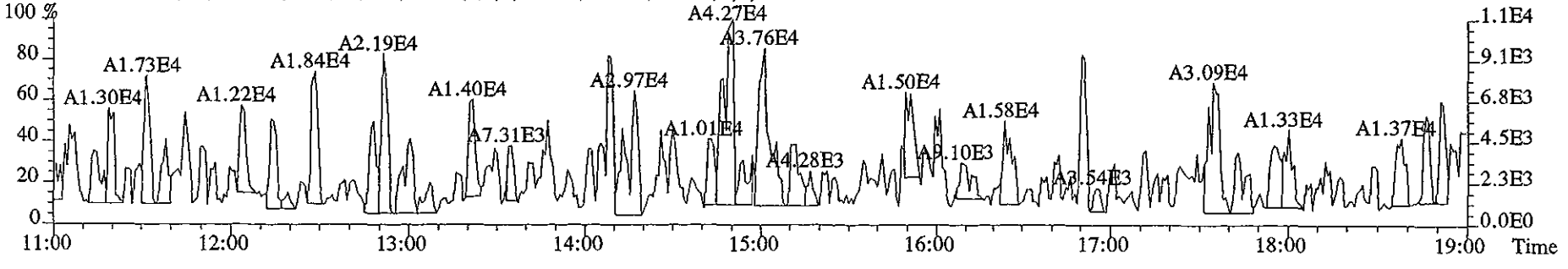
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2980.0,1.00%,F,T)



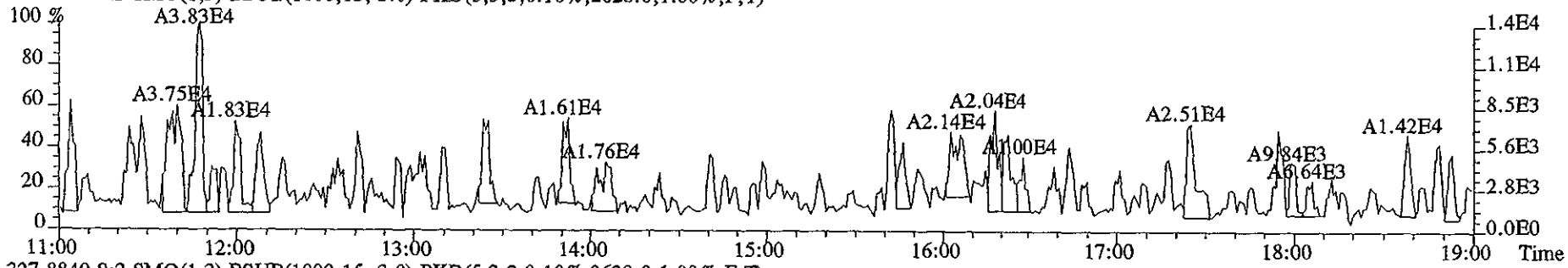
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7380.0,1.00%,F,T)



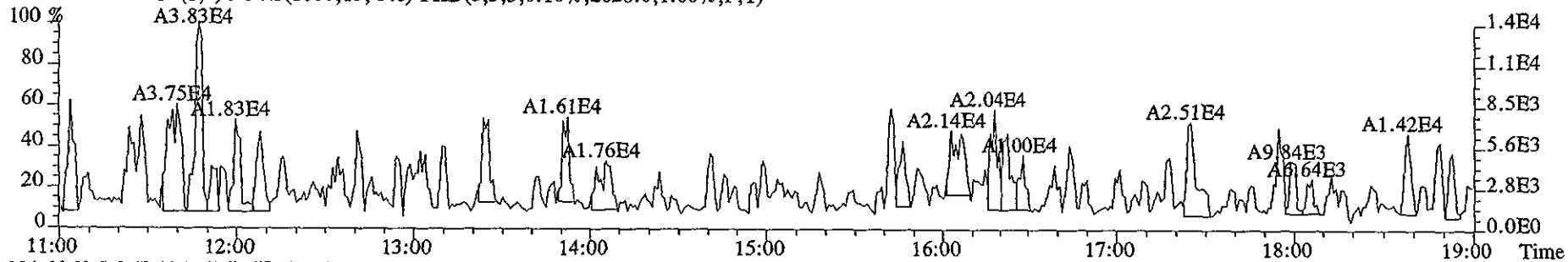
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2268.0,1.00%,F,T)



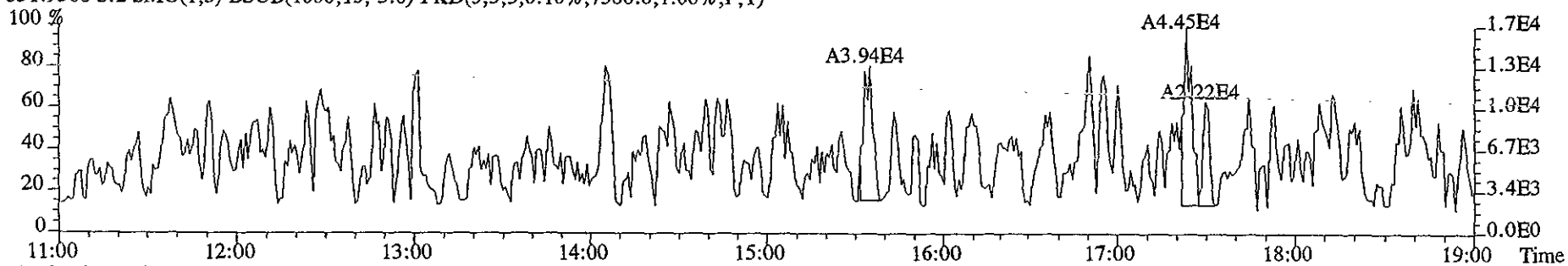
File:04MY10A5D2 #1-1241 Acq: 4-MAY-2010 23:47:12 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0504A :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2628.0,1.00%,F,T)



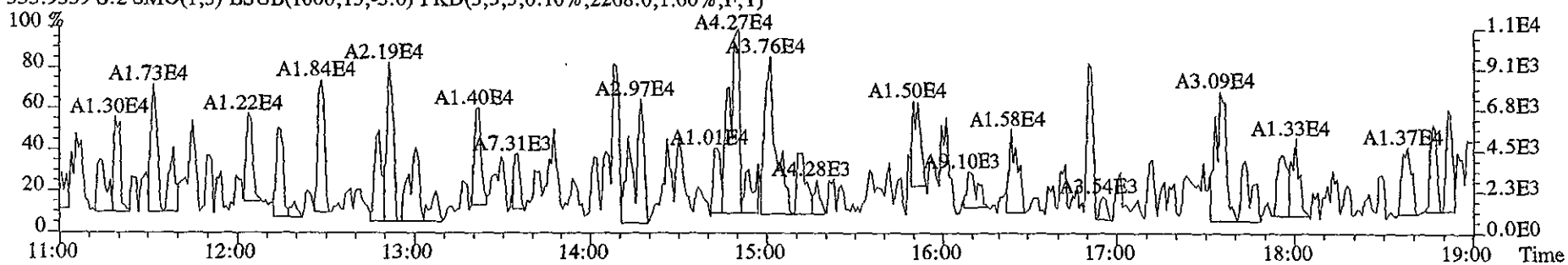
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2628.0,1.00%,F,T)



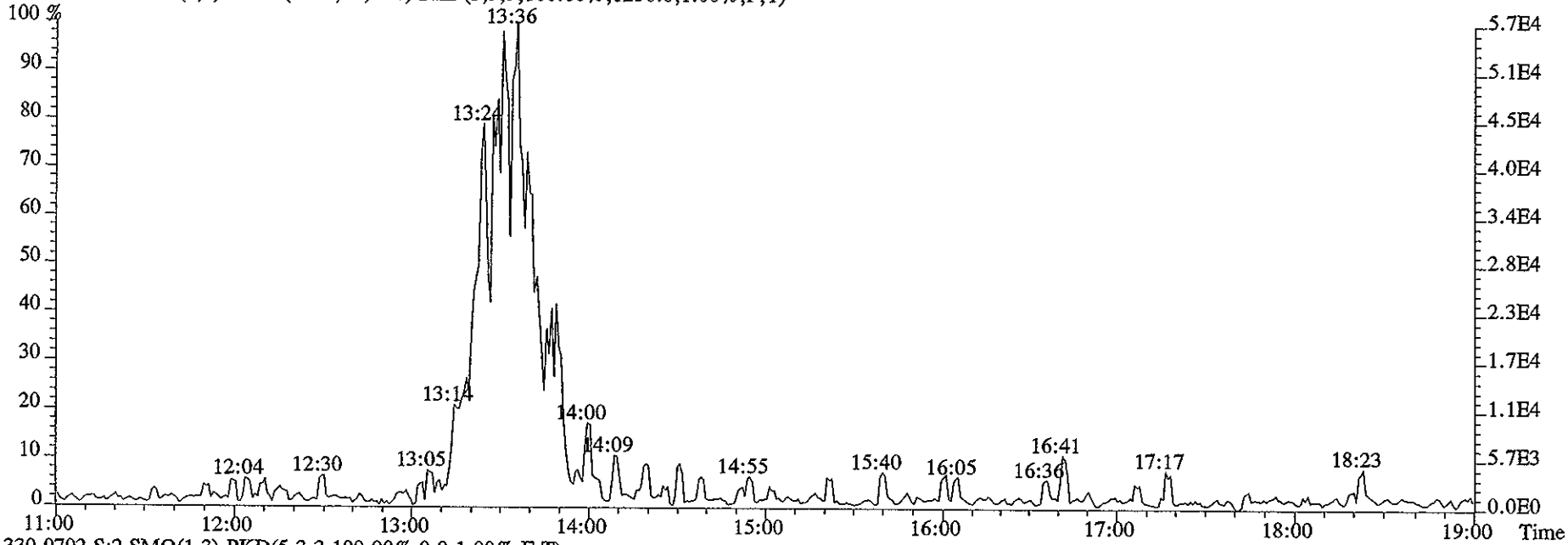
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7380.0,1.00%,F,T)



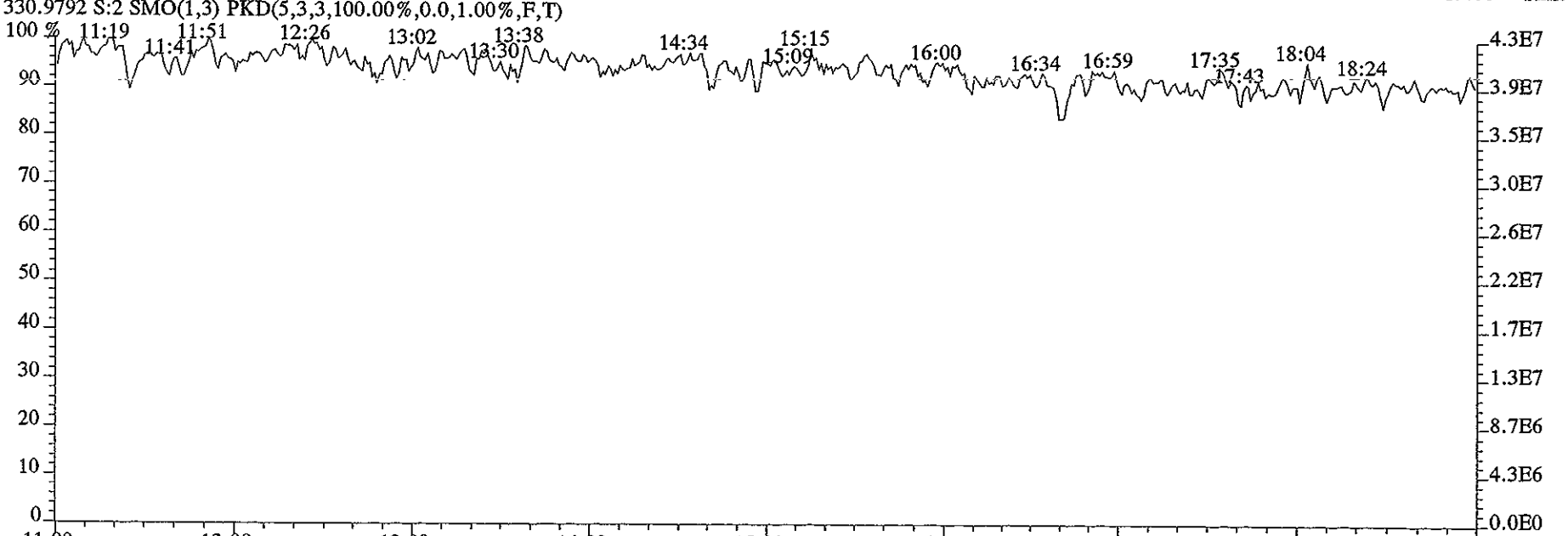
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2268.0,1.00%,F,T)



File:04MY10A5D2 #1-1241 Acq: 4-MAY-2010 23:47:12 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0504A :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1256.0,1.00%,F,T)

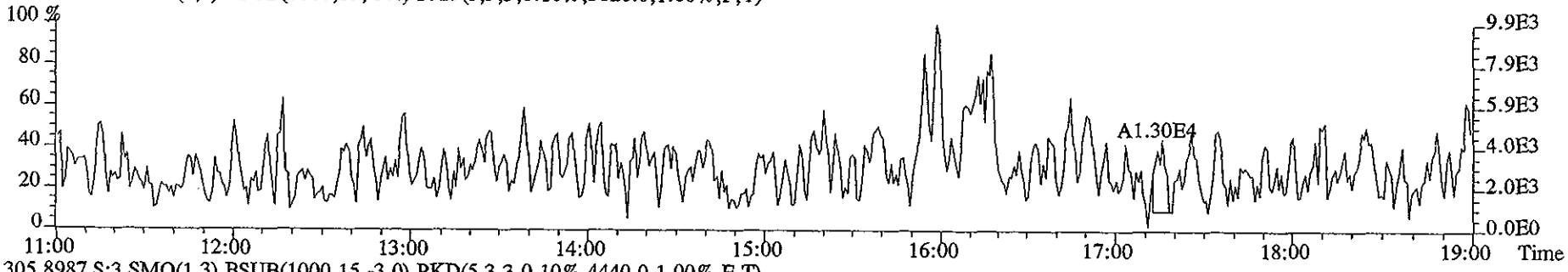


330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

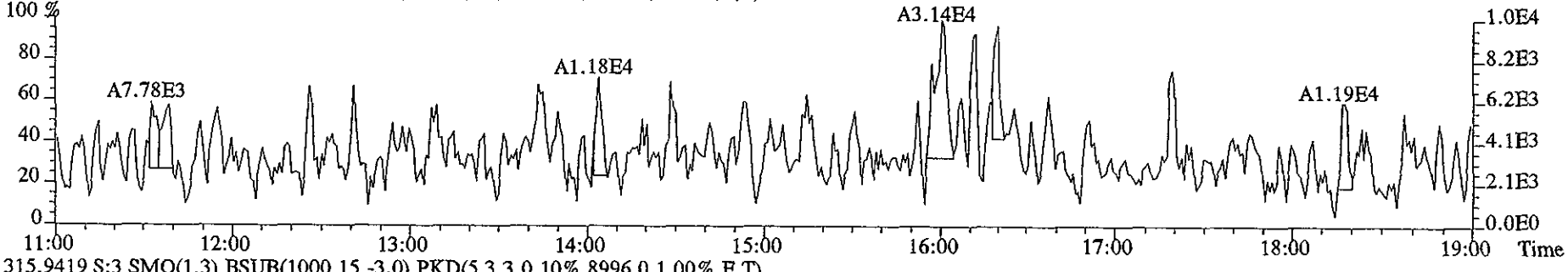


File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 00:24:16 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0504A :Solvent Blank C-14 Exp:DB225RES

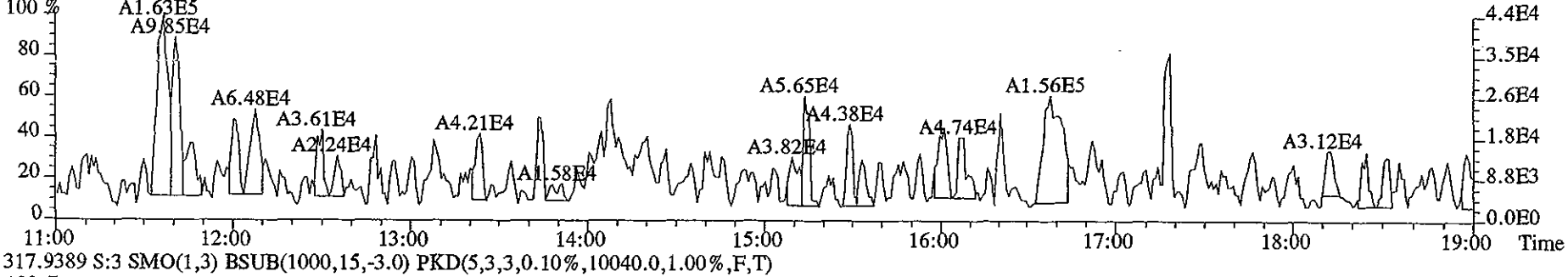
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3628.0,1.00%,F,T)



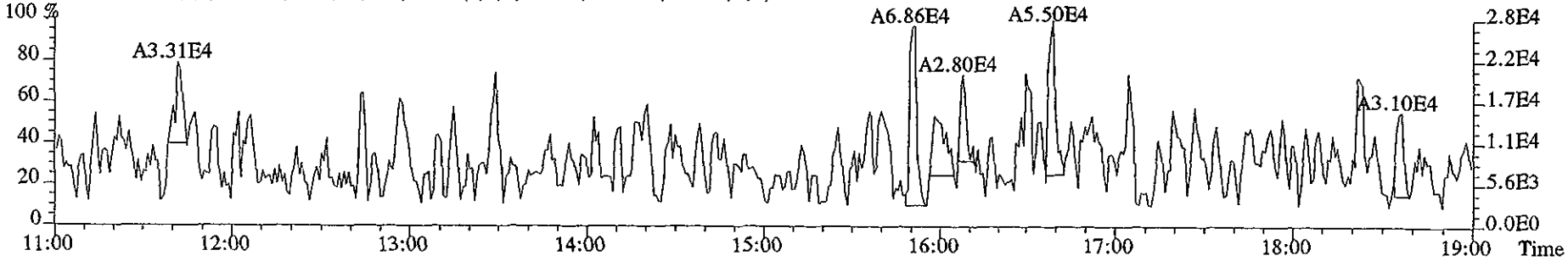
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4440.0,1.00%,F,T)



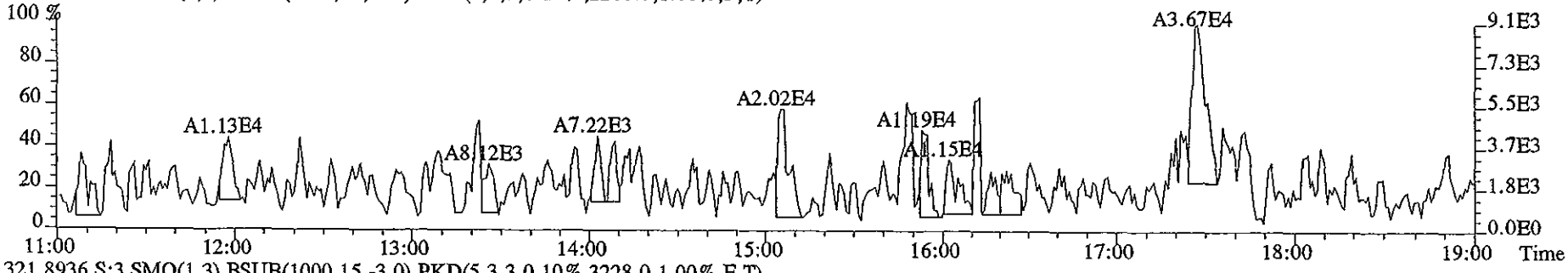
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8996.0,1.00%,F,T)



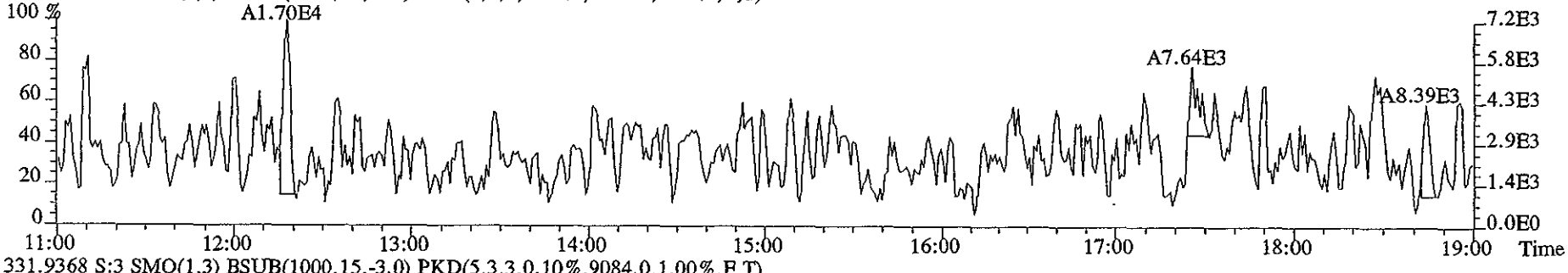
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10040.0,1.00%,F,T)



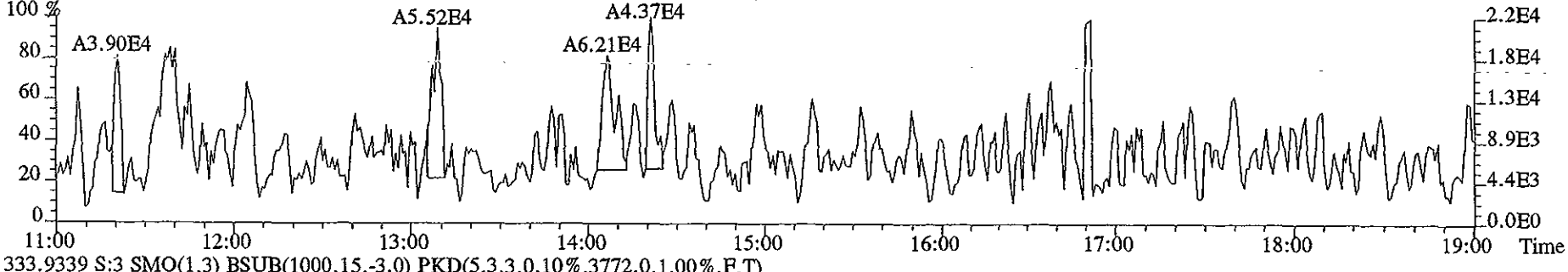
File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 00:24:16 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0504A :Solvent Blank C-14 Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2280.0,1.00%,F,T)



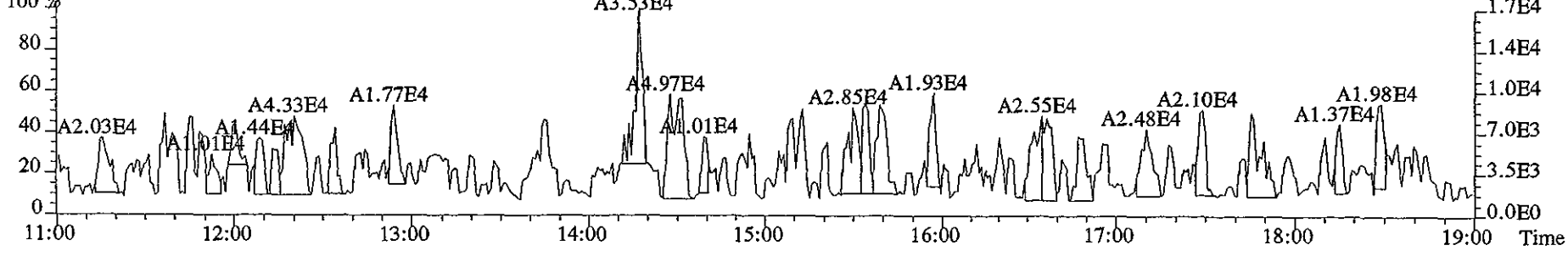
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



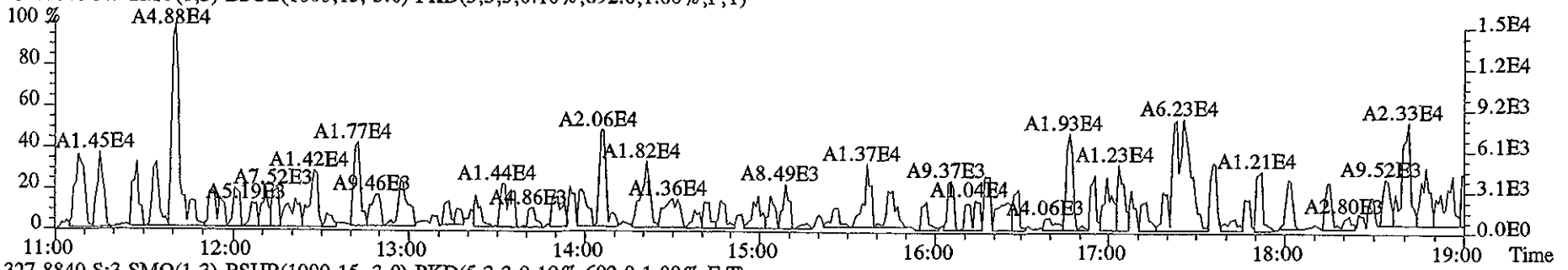
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9084.0,1.00%,F,T)



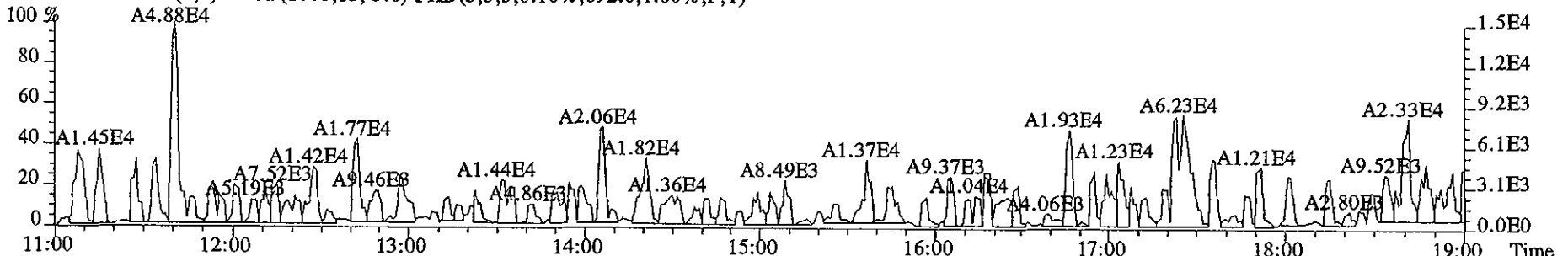
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



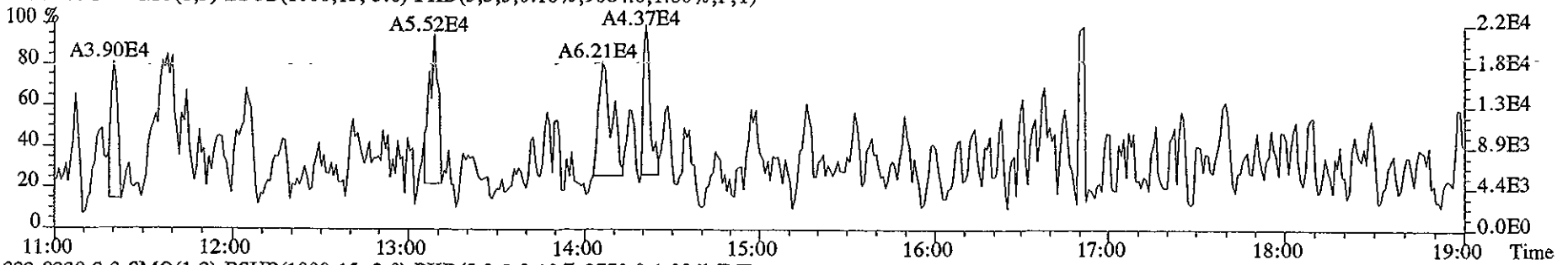
File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 00:24:16 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0504A :Solvent Blank C-14 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692.0,1.00%,F,T)



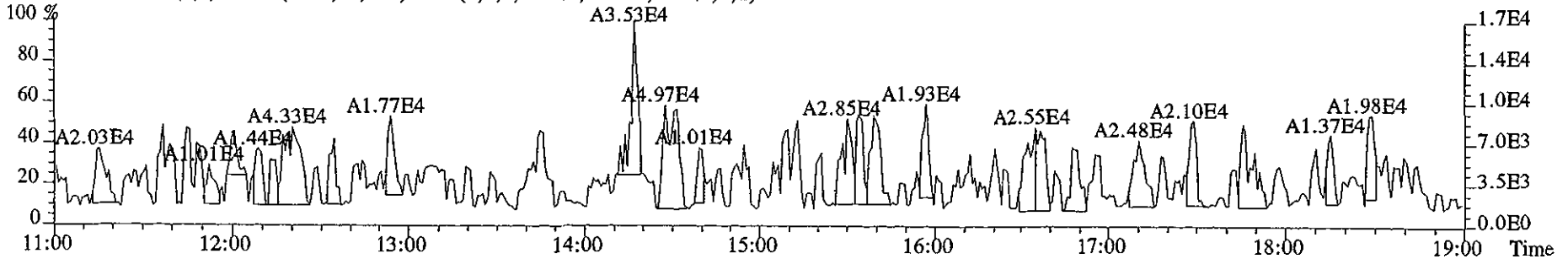
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692.0,1.00%,F,T)



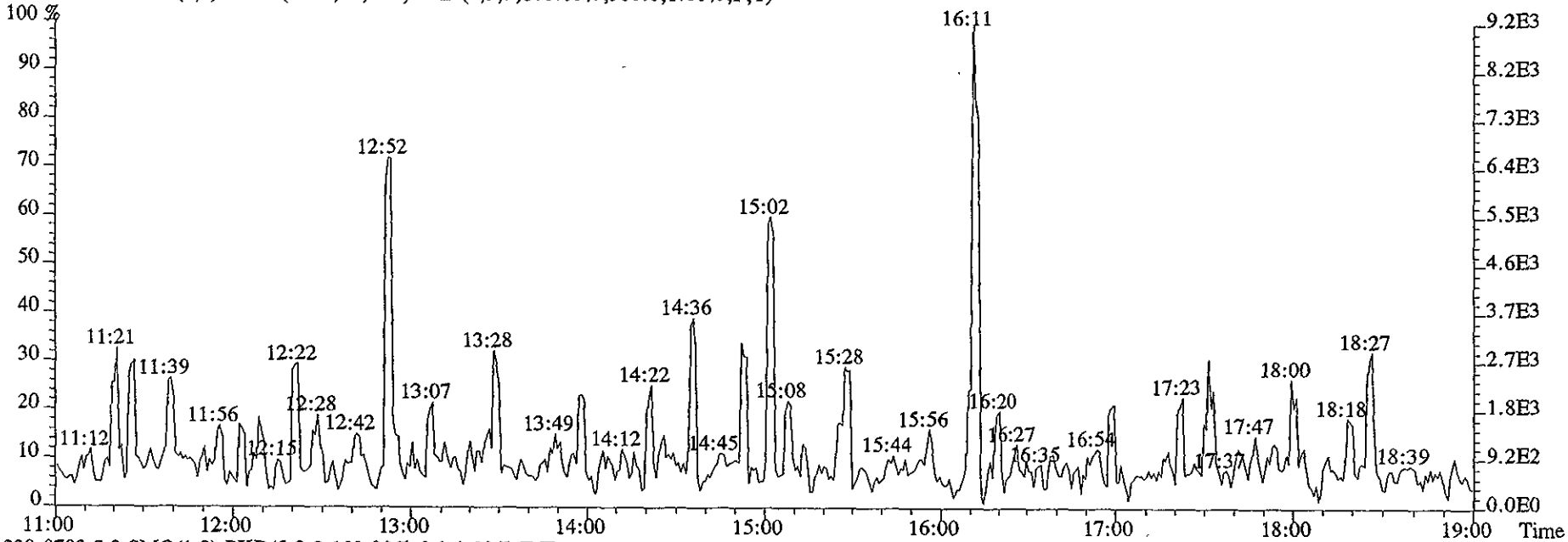
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9084.0,1.00%,F,T)



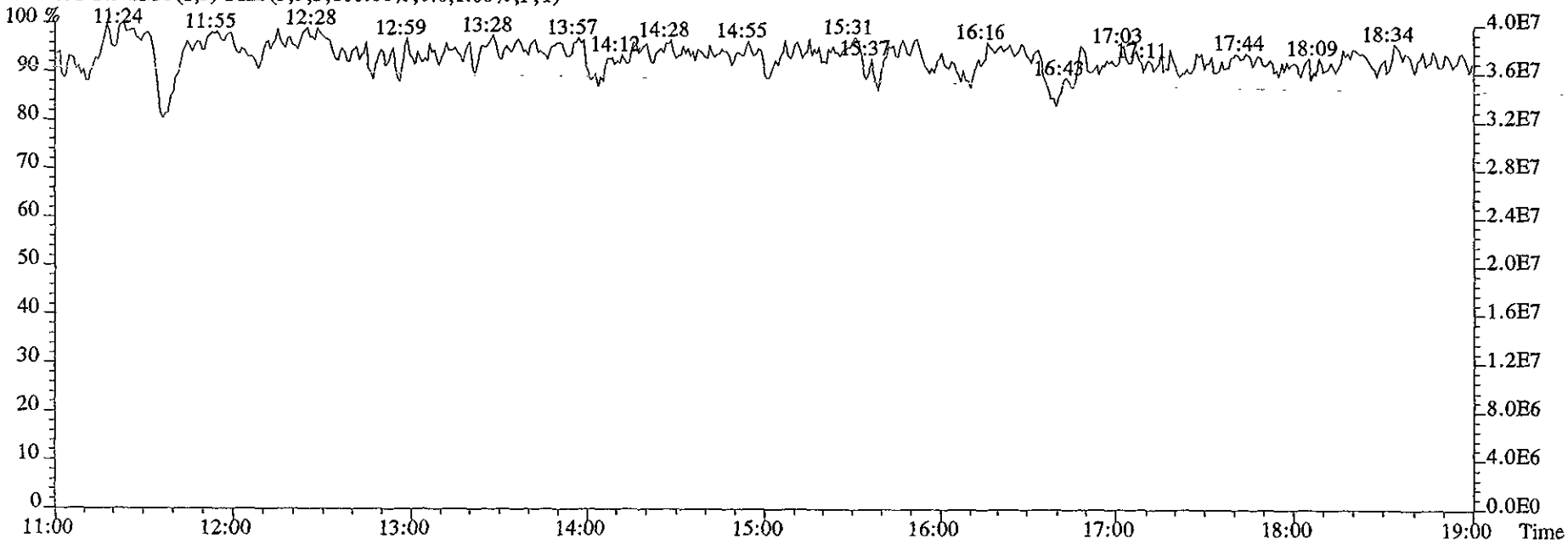
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



File:04MY10A5D2 #1-1241 Acq: 5-MAY-2010 00:24:16 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0504A :Solvent Blank C-14 Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,900.0,1.00%,F,T)

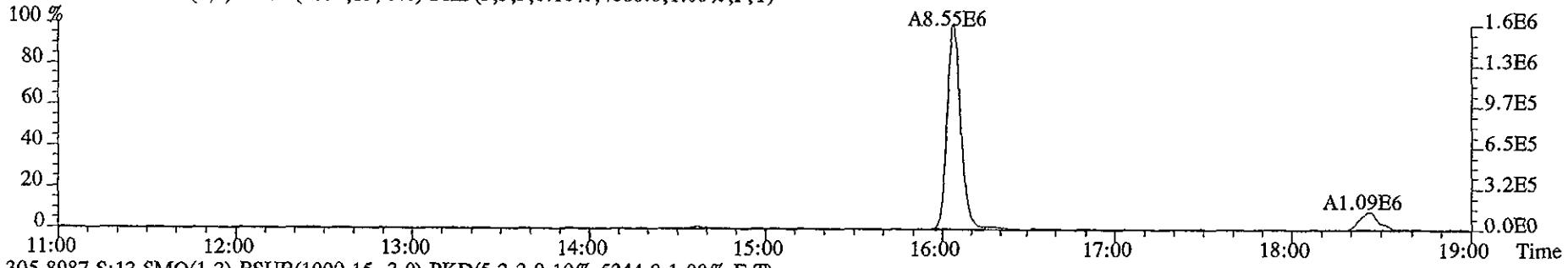


330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

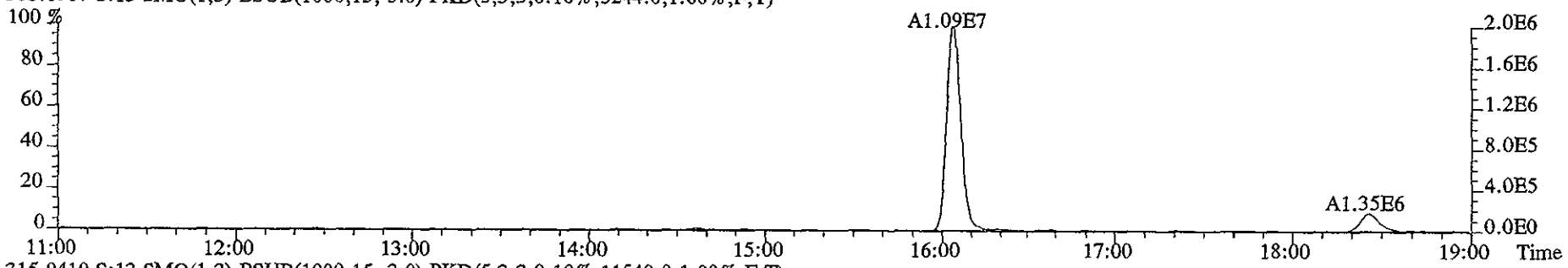


File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 06:35:01 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0504C :CS3 10DXN111 Exp:DB225RES

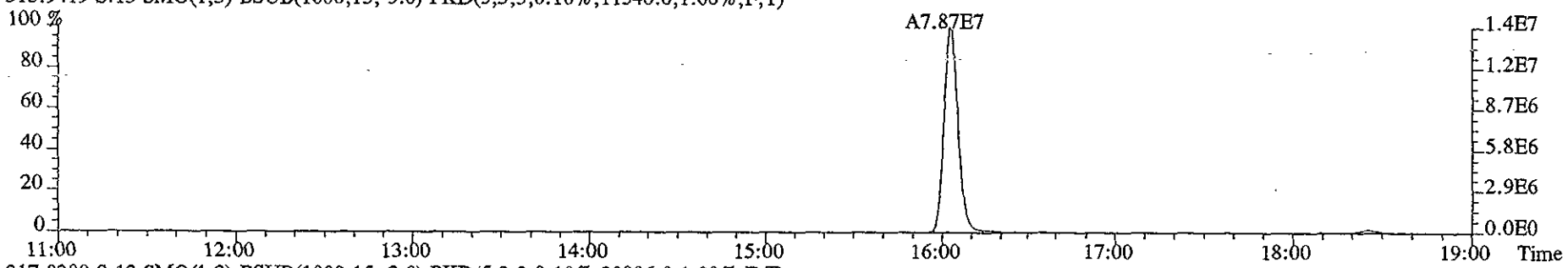
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4668.0,1.00%,F,T)



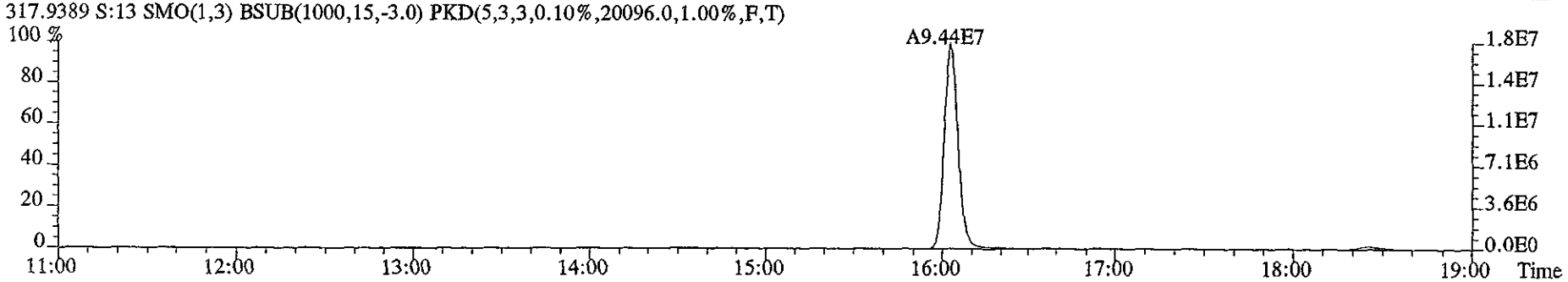
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5244.0,1.00%,F,T)



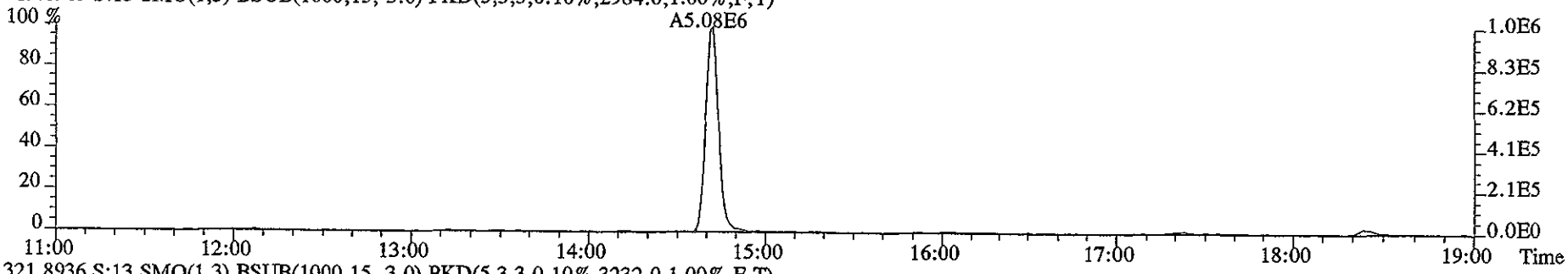
315.9419 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11540.0,1.00%,F,T)



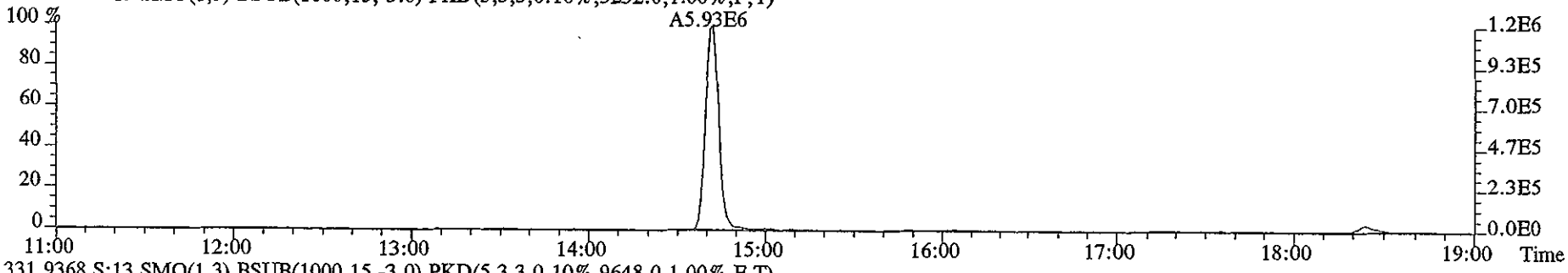
317.9389 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20096.0,1.00%,F,T)



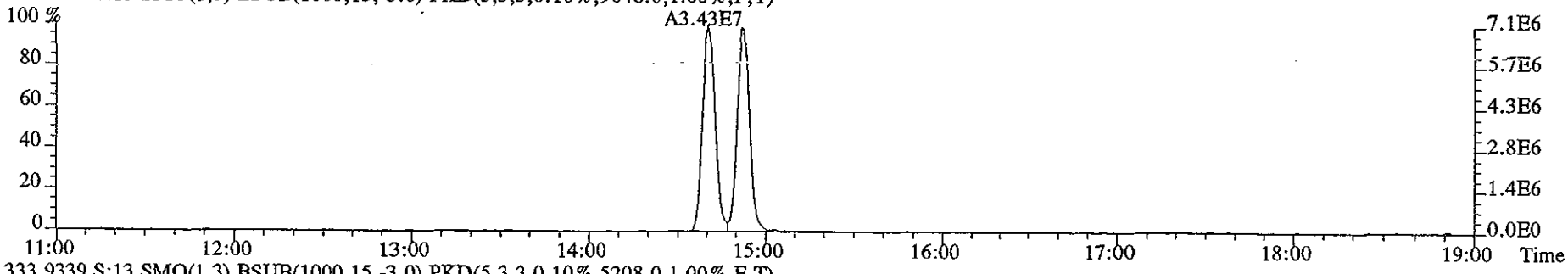
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 06:35:01 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0504C :CS3 10DXN111 Exp:DB225RES
319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2984.0,1.00%,F,T)



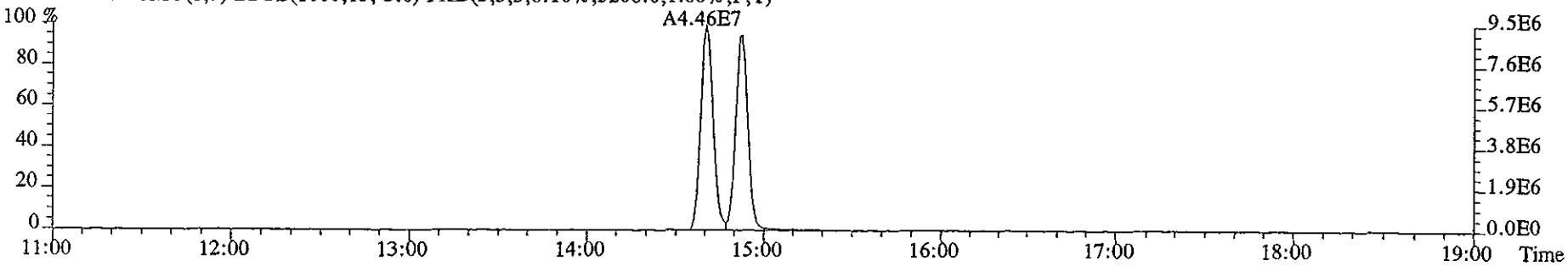
321.8936 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



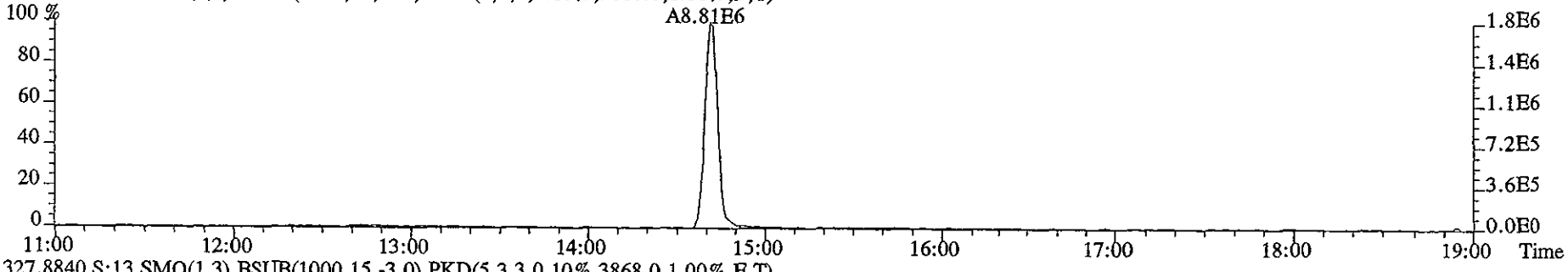
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9648.0,1.00%,F,T)



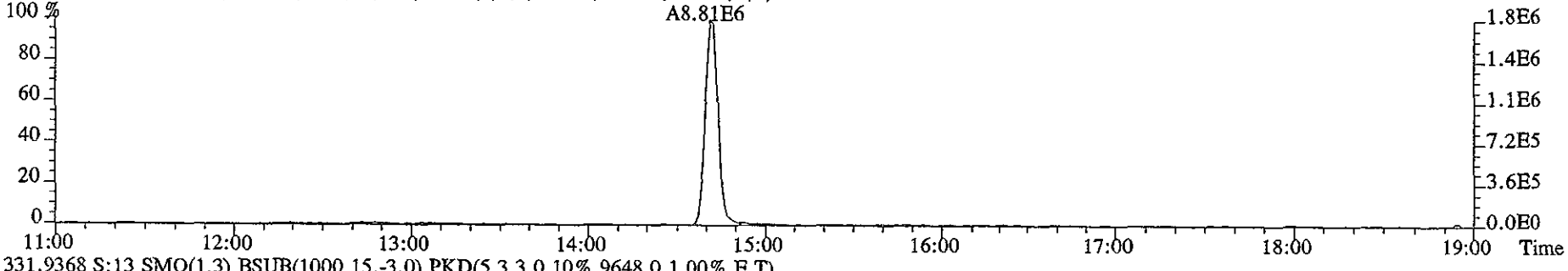
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5208.0,1.00%,F,T)



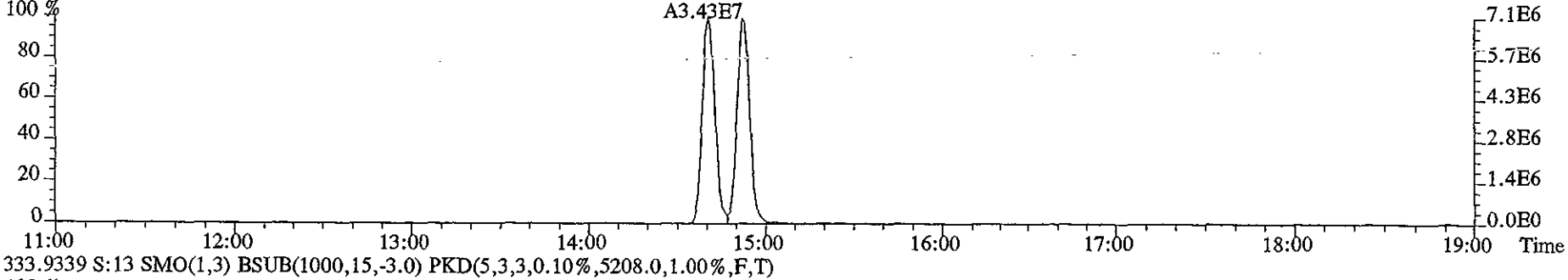
File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 06:35:01 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0504C :CS3 10DXN111 Exp:DB225RES
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3868.0,1.00%,F,T)



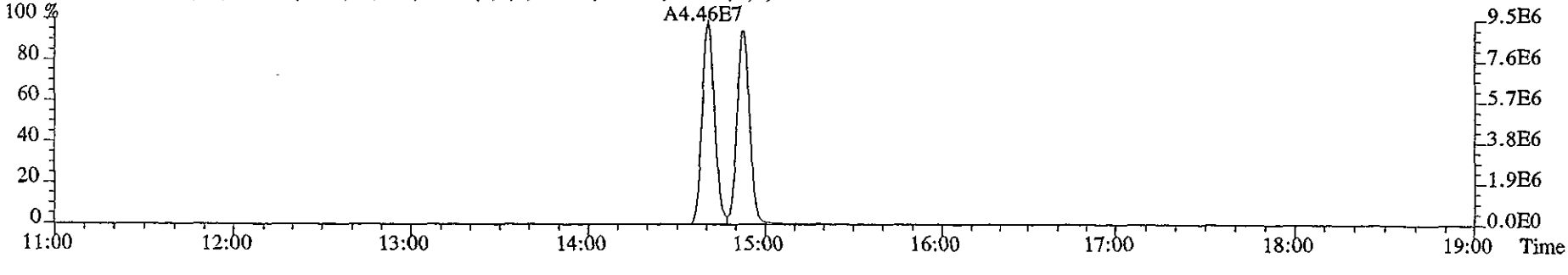
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3868.0,1.00%,F,T)



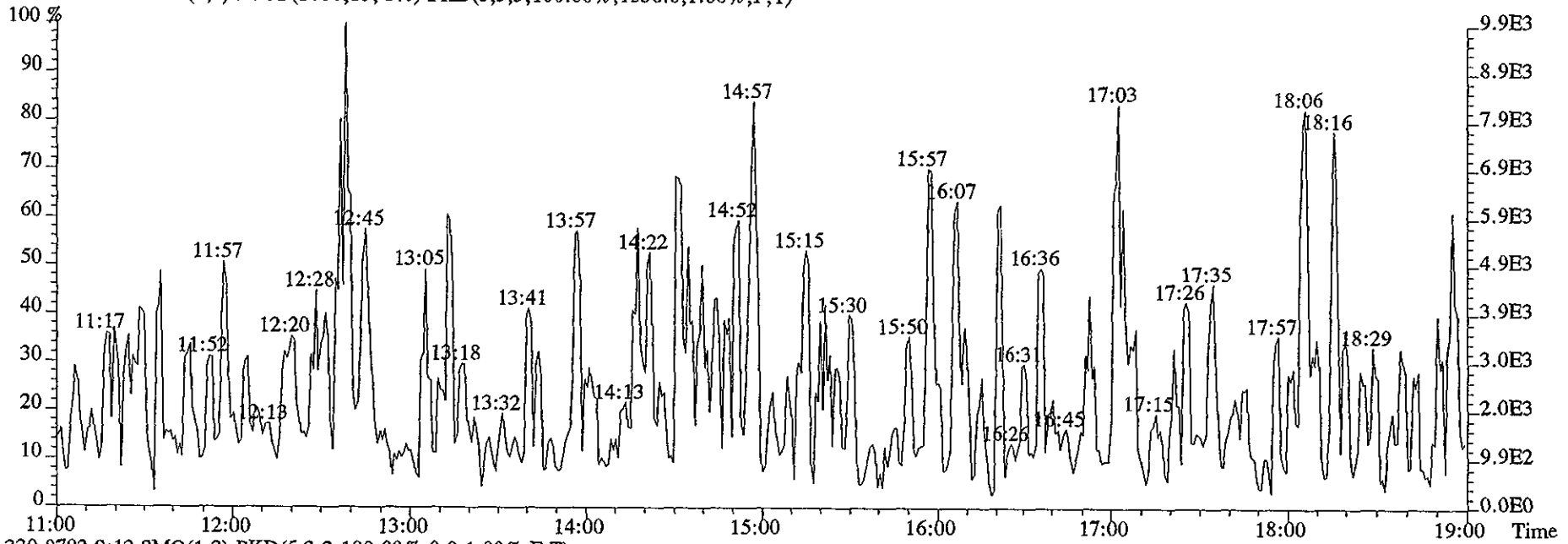
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9648.0,1.00%,F,T)



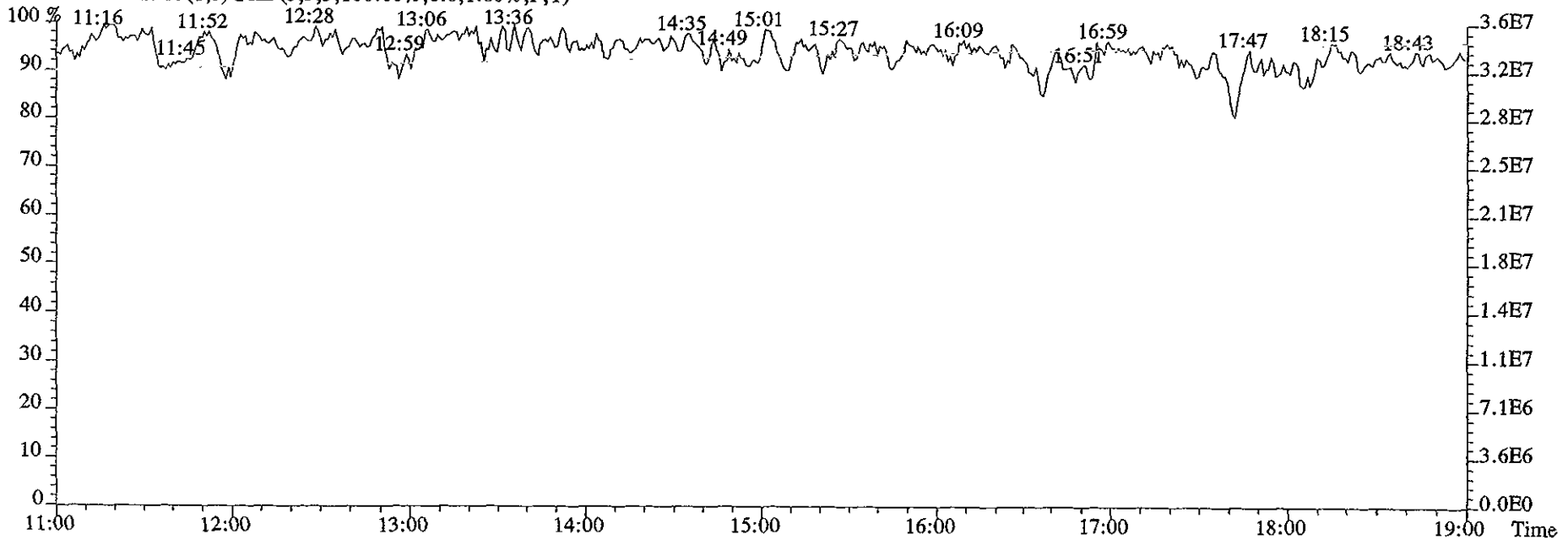
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5208.0,1.00%,F,T)



File:04MY10A5D2 #1-1242 Acq: 5-MAY-2010 06:35:01 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0504C :CS3 10DXN111 Exp:DB225RES
375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1536.0,1.00%,F,T)



330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290 | Associated ICAL 8290A041210405

Column ID DB5 | Instrument ID 405

STD ID STD504C, STD504D | STD Solution 10DXN111

Analyzed by AM, MEO | Date Analyzed 5/5/10, 5/6/10

Std. Pkg. By MEO | Date Std. Pkg. Assembled 5/6/10

Std. Pkg. Reviewed By SMA | Date Std. Pkg. Reviewed 5/06/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria.

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0504C File text: ST0504C :CS3 10DXN083
Run #21 Filename 04MY10A4D5 S: 19 I: 1
Acquired: 5-MAY-10 11:57:52 Processed: 5-MAY-10 13:00:02
Run: 04MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 04MY10A4D58290A

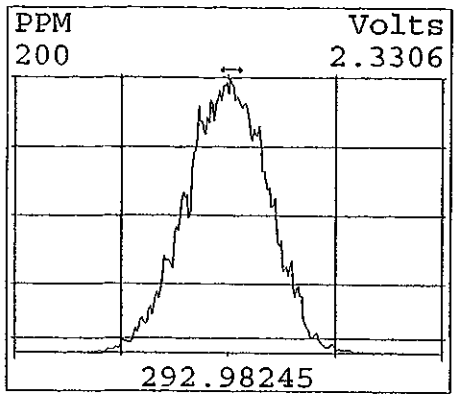
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	124186400	0.79 y	19:28	-	100.00	-	n
13C-2,3,7,8-TCDF	186471400	0.80 y	18:53	1.50	100.00	-1.3	n
2,3,7,8-TCDF	17780810	0.77 y	18:54	0.95	10.00	0.9	n
Total TCDF	17967058	0.72 y	17:54	0.95	10.00	0.9	n
13C-2,3,7,8-TCDD	124326100	0.79 y	19:40	1.00	100.00	5.4	n
2,3,7,8-TCDD	11649700	0.77 y	19:42	0.94	10.00	-8.2	n
Total TCDD	11739133	0.86 y	18:28	0.94	10.00	-8.2	n
37Cl-2,3,7,8-TCDD	28887400	1.00 y	19:42	2.33	10.00	2.9	n
13C-1,2,3,7,8-PeCDF	130727700	1.60 y	24:32	1.05	100.00	0.2	n
1,2,3,7,8-PeCDF	66968900	1.60 y	24:33	1.02	50.00	-1.9	n
2,3,4,7,8-PeCDF	64356800	1.57 y	26:03	0.98	50.00	0.2	n
Total F2 PeCDF	132187739	1.54 y	23:01	1.00	100.00	-0.9	n
Total F1 PeCDF	24134	0.52 n	15:42	1.00	100.00	-0.9	n
13C-1,2,3,7,8-PeCDD	92989500	1.59 y	26:50	0.75	100.00	11.7	n
1,2,3,7,8-PeCDD	42910400	1.58 y	26:52	0.92	50.00	-6.0	n
Total PeCDD	42910400	1.58 y	26:52	0.92	50.00	-6.0	n
13C-1,2,3,7,8,9-HxCDD	99966600	1.24 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	92597700	0.52 y	31:54	0.93	100.00	-9.6	n
1,2,3,4,7,8-HxCDF	57768200	1.23 y	31:56	1.25	50.00	2.9	n
1,2,3,6,7,8-HxCDF	68998200	1.25 y	32:02	1.49	50.00	11.0	n
2,3,4,6,7,8-HxCDF	63176000	1.25 y	32:36	1.36	50.00	11.6	n
1,2,3,7,8,9-HxCDF	54274300	1.25 y	33:16	1.17	50.00	7.3	n
Total HxCDF	244216700	1.23 y	31:56	1.32	200.00	8.3	n
13C-1,2,3,6,7,8-HxCDD	89568700	1.25 y	32:49	0.90	100.00	11.0	n
1,2,3,4,7,8-HxCDD	40663000	1.28 y	32:45	0.91	50.00	-9.8	n
1,2,3,6,7,8-HxCDD	48831300	1.31 y	32:50	1.09	50.00	-2.1	n
1,2,3,7,8,9-HxCDD	51247500	1.28 y	33:06	1.14	50.00	-5.4	n
Total HxCDD	140741800	1.28 y	32:45	1.05	150.00	-5.6	n
13C-1,2,3,4,6,7,8-HpCDF	82194000	0.45 y	34:36	0.82	100.00	-4.7	n
1,2,3,4,6,7,8-HpCDF	54839200	0.98 y	34:36	1.33	50.00	1.9	n
1,2,3,4,7,8,9-HpCDF	43786800	0.96 y	35:44	1.07	50.00	3.9	n
Total HpCDF	98626000	0.98 y	34:36	1.20	100.00	2.8	n
13C-1,2,3,4,6,7,8-HpCDD	74728400	1.08 y	35:24	0.75	100.00	7.2	n
1,2,3,4,6,7,8-HpCDD	38137200	1.05 y	35:25	1.02	50.00	-4.8	n
Total HpCDD	38291219	1.07 y	34:51	1.02	50.00	-4.8	n
13C-OCDD	106665300	0.89 y	37:54	0.53	200.00	0.4	n
OCDF	74003700	0.91 y	38:01	1.39	100.00	-4.0	n
OCDD	61112900	0.89 y	37:54	1.15	100.00	-1.7	n

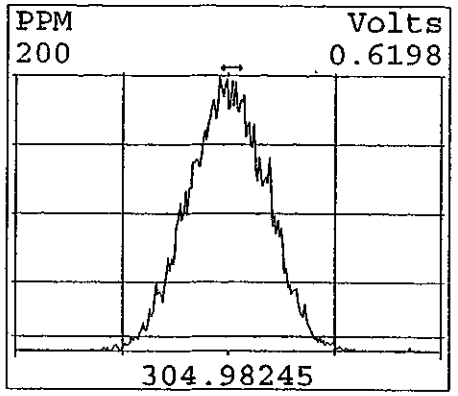
Run text: ST0504D File text: ST0504D :CS3 10DXN083
Run #35 Filename 04MY10A4D5 S: 36 I: 1
Acquired: 6-MAY-10 00:26:35 Processed: 6-MAY-10 08:57:25
Run: 04MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 04MY10A4D58290A

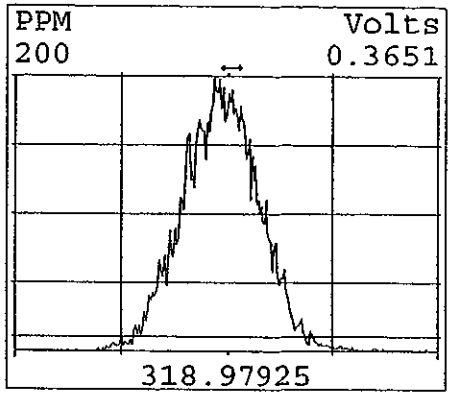
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	120487988	0.79	y	19:27	-	100.00	-	n
13C-2,3,7,8-TCDF	178911256	0.80	y	18:53	1.48	100.00	-2.4	n
2,3,7,8-TCDF	17200919	0.76	y	18:54	0.96	10.00	1.7	n
Total TCDF	17377148	1.85	n	17:54	0.96	10.00	1.7	n
13C-2,3,7,8-TCDD	120570768	0.78	y	19:40	1.00	100.00	5.4	n
2,3,7,8-TCDD	11555362	0.76	y	19:41	0.96	10.00	-6.1	n
Total TCDD	11642976	1.68	n	16:36	0.96	10.00	-6.1	n
37Cl-2,3,7,8-TCDD	27235602	1.00	y	19:41	2.26	10.00	0.0	n
13C-1,2,3,7,8-PeCDF	127075244	1.58	y	24:31	1.05	100.00	0.4	n
1,2,3,7,8-PeCDF	65394114	1.57	y	24:33	1.03	50.00	-1.5	n
2,3,4,7,8-PeCDF	62722280	1.56	y	26:02	0.99	50.00	0.5	n
Total F2 PeCDF	129577752	1.05	n	23:53	1.01	100.00	-0.5	n
Total F1 PeCDF	29960	0.30	n	16:39	1.01	100.00	-0.5	n
13C-1,2,3,7,8-PeCDD	92599264	1.59	y	26:49	0.77	100.00	14.6	n
1,2,3,7,8-PeCDD	42166439	1.57	y	26:50	0.91	50.00	-7.3	n
Total PeCDD	42166439	1.57	y	26:50	0.91	50.00	-7.3	n
13C-1,2,3,7,8,9-HxCDD	94998688	1.25	y	33:04	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	91542782	0.52	y	31:54	0.96	100.00	-6.0	n
1,2,3,4,7,8-HxCDF	56885104	1.21	y	31:55	1.24	50.00	2.5	n
1,2,3,6,7,8-HxCDF	66010152	1.26	y	32:02	1.44	50.00	7.4	n
2,3,4,6,7,8-HxCDF	59801324	1.25	y	32:36	1.31	50.00	6.9	n
1,2,3,7,8,9-HxCDF	52206964	1.29	y	33:15	1.14	50.00	4.4	n
Total HxCDF	234903544	1.21	y	31:55	1.28	200.00	5.4	n
13C-1,2,3,6,7,8-HxCDD	83900188	1.27	y	32:48	0.88	100.00	9.4	n
1,2,3,4,7,8-HxCDD	39472572	1.28	y	32:44	0.94	50.00	-6.5	n
1,2,3,6,7,8-HxCDD	46595074	1.30	y	32:49	1.11	50.00	-0.3	n
1,2,3,7,8,9-HxCDD	48342044	1.28	y	33:05	1.15	50.00	-4.7	n
Total HxCDD	134409690	1.28	y	32:44	1.07	150.00	-3.8	n
13C-1,2,3,4,6,7,8-HpCDF	76707156	0.45	y	34:35	0.81	100.00	-6.4	n
1,2,3,4,6,7,8-HpCDF	50359194	0.97	y	34:35	1.31	50.00	0.3	n
1,2,3,4,7,8,9-HpCDF	40790478	0.99	y	35:43	1.06	50.00	3.7	n
Total HpCDF	91149672	0.97	y	34:35	1.19	100.00	1.8	n
13C-1,2,3,4,6,7,8-HpCDD	70192592	1.06	y	35:24	0.74	100.00	5.9	n
1,2,3,4,6,7,8-HpCDD	35240126	1.05	y	35:24	1.00	50.00	-6.3	n
Total HpCDD	35549781	0.99	y	34:50	1.00	50.00	-6.3	n
13C-OCDD	97634628	0.91	y	37:53	0.51	200.00	-3.3	n
OCDF	68425794	0.92	y	38:00	1.40	100.00	-3.0	n
OCDD	57152800	0.88	y	37:54	1.17	100.00	0.4	n

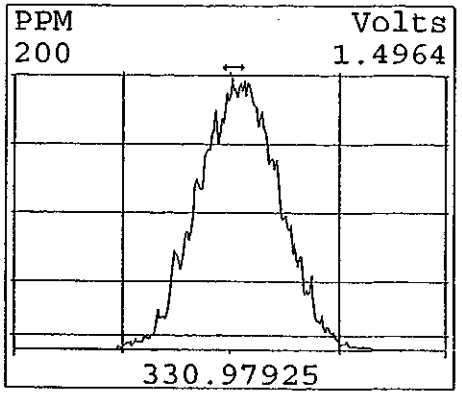
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04MY10A4D5	1	ST0504B	CS3 10DXN083				1.00000	
04MY10A4D5	2	CP0504B	DB-5 CPSM 3732-05				1.00000	
04MY10A4D5	3	SB0504B	Solvent Blank C-14				1.00000	
04MY10A4D5	4	LX0M6-1-AA	G0D140534-3RI	10	8290/WATER	75	0.94920	L
04MY10A4D5	5	L0AA2-1-AA	G0D210497-1	20	8290/WATER	83	0.95800	L
04MY10A4D5	6	L0AA4-1-AA	G0D210497-2	20	8290/WATER		0.96780	L
04MY10A4D5	7	L0AA5-1-AA	G0D210497-3	20	8290/WATER		0.92810	L
04MY10A4D5	8	L0AA6-1-AA	G0D210497-4	20	8290/WATER		0.96480	L
04MY10A4D5	9	L0AA6-1-AC	G0D210497-4MS	20	8290/WATER		1.00760	L
04MY10A4D5	10	L0AA6-1-AD	G0D210497-4MSD	20	8290/WATER		0.99630	L
04MY10A4D5	11	L0AA7-1-AA	G0D210497-5	20	8290/WATER		0.92610	L
04MY10A4D5	12	L0AA8-1-AA	G0D210497-6	20	8290/WATER		0.98340	L
04MY10A4D5	13	L0AA9-1-AA	G0D210497-7	20	8290/WATER		0.99770	L
04MY10A4D5	14	L0AGG-1-AA	G0D210497-8	20	8290/WATER		0.93940	L
04MY10A4D5	15	L0AGH-1-AA	G0D210497-9	20	8290/WATER		0.88870	L
04MY10A4D5	16	L0AGJ-1-AA	G0D210497-10	20	8290/WATER		0.92880	L
04MY10A4D5	17	L0AGK-1-AA	G0D210497-11	20	8290/WATER		0.90760	L
04MY10A4D5	18	SB0504C	Solvent Blank C-14				1.00000	
04MY10A4D5	19	ST0504C	CS3 10DXN083				1.00000	
04MY10A4D5	20	CP0504C	DB-5 CPSM 3732-05				1.00000	
04MY10A4D5	21	SB0504D	Solvent Blank C-14				1.00000	
04MY10A4D5	22	L0E7V-1-AC	G0D230000-286C RI	10	8290/SOLID	80	10.00000	g
04MY10A4D5	23	L0XCH-1-AA	G0E030000-359B	20	8290/SOLID	90	10.00000	g
04MY10A4D5	24	L0XCH-1-AC	G0E030000-359C	20	8290/SOLID		10.00000	g
04MY10A4D5	25	L0Q71-1-AD	G0D290588-1	20	8290/SOLID		10.86000	g
04MY10A4D5	26	L0Q8A-1-AD	G0D290588-2	20	8290/SOLID		10.69000	g
04MY10A4D5	27	L0Q8F-1-AD	G0D290588-3	20	8290/SOLID		10.29000	g
04MY10A4D5	28	L0Q8H-1-AD	G0D290588-4	20	8290/SOLID		10.23000	g
04MY10A4D5	29	L0Q8J-1-AD	G0D290588-5	20	8290/SOLID		10.53000	g
04MY10A4D5	30	L0Q8L-1-AD	G0D290588-6	20	8290/SOLID		10.14000	g
04MY10A4D5	31	L0Q8M-1-AD	G0D290588-7	20	8290/SOLID		10.10000	g
04MY10A4D5	32	L0Q8N-1-AD	G0D290588-8	20	8290/SOLID		10.01000	g
04MY10A4D5	33	L0Q8Q-1-AD	G0D290588-9	20	8290/SOLID		10.21000	g
04MY10A4D5	34	L0Q8T-1-AD	G0D290588-10	20	8290/SOLID		10.67000	g
04MY10A4D5	35	SB0504E	Solvent Blank C-14				1.00000	
04MY10A4D5	36	ST0504D	CS3 10DXN083				1.00000	
04MY10A4D5	37	CP0504D	DB-5 CPSM 3732-05				1.00000	
04MY10A4D5	38	SB0504F	Solvent Blank C-14				1.00000	
04MY10A4D5	39	LX517-1-AC	G0D170491-5 5X	10	8290/SOLID	77	10.05000	g
04MY10A4D5	40	L0CLN-1-AA	G0D220444-2 5X	20	8290/SOLID	79	0.97860	L
04MY10A4D5	41	L0CLM-1-AA	G0D220444-1 50X	20	8290/SOLID		0.94380	L
04MY10A4D5	42	SB0504G	Solvent Blank C-14				1.00000	
04MY10A4D5	43	ST0504E	CS3 10DXN083				1.00000	
04MY10A4D5	41						1.00000	
04MY10A4D5	42						1.00000	
04MY10A4D5	43						1.00000	
04MY10A4D5	44						1.00000	
04MY10A4D5	45						1.00000	
04MY10A4D5	46						1.00000	
04MY10A4D5	57		05-04-10 AM,MEO				1.00000	

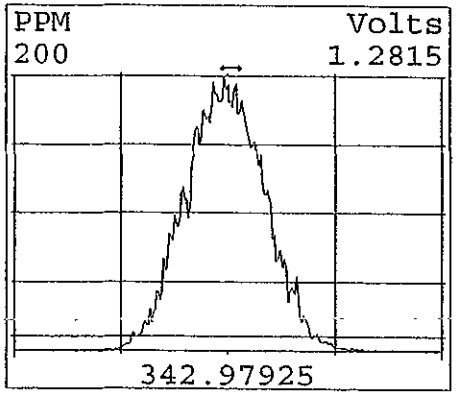
Peak Locate Examination: 4-MAY-2010:22:39 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

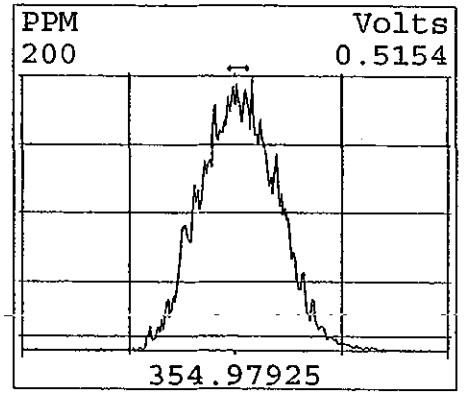


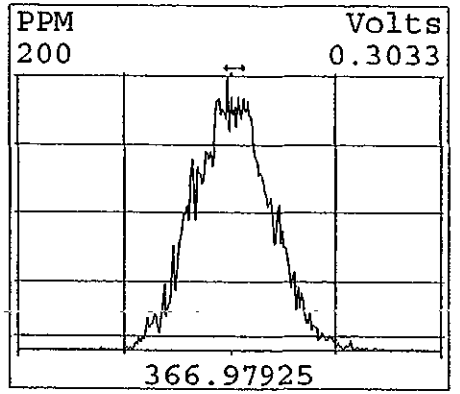


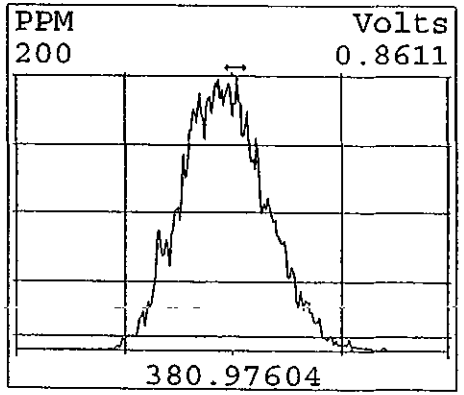


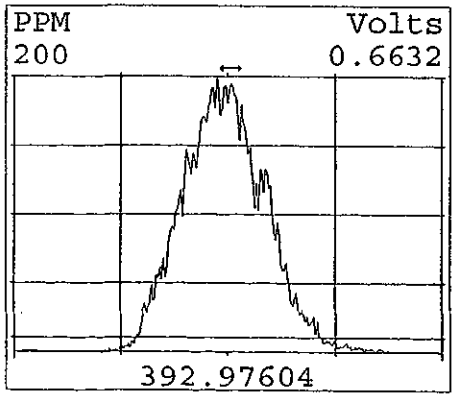


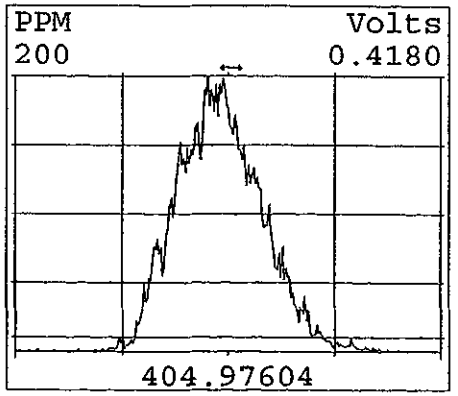


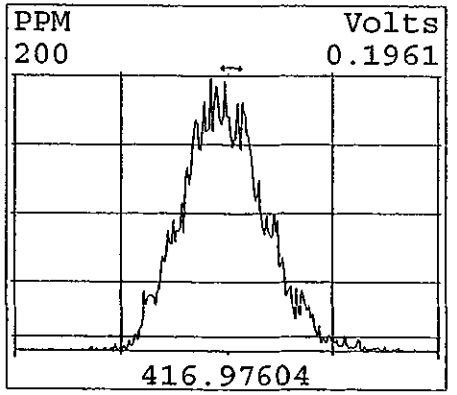




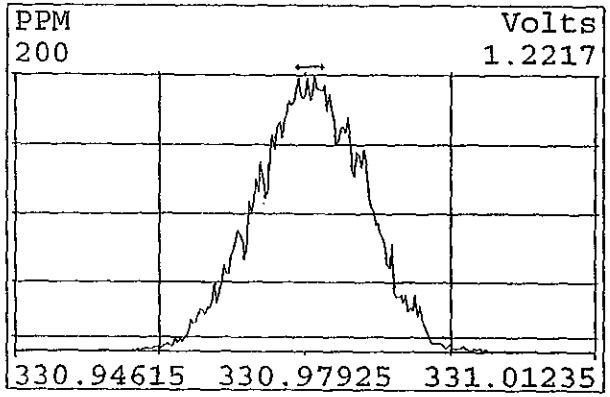


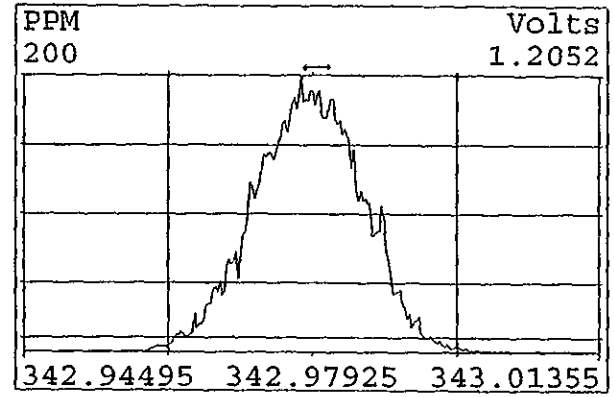


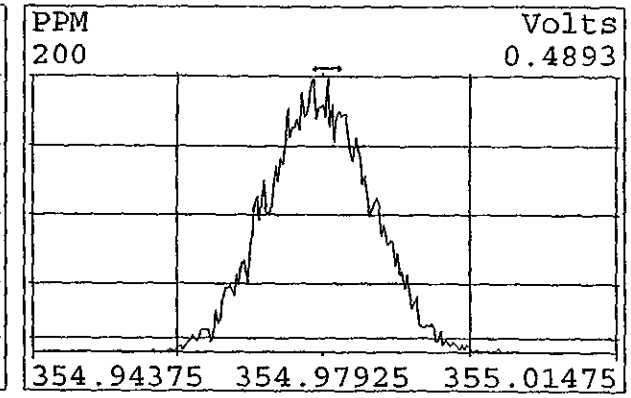


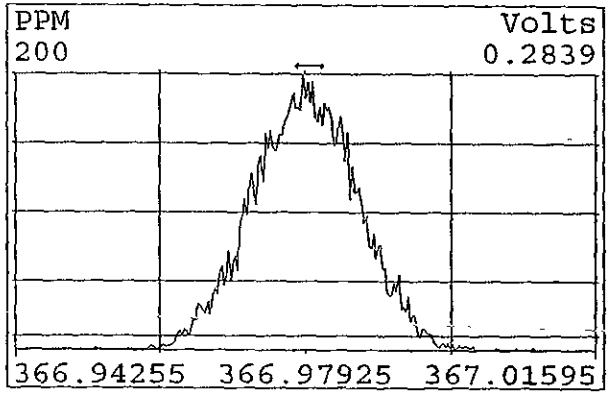


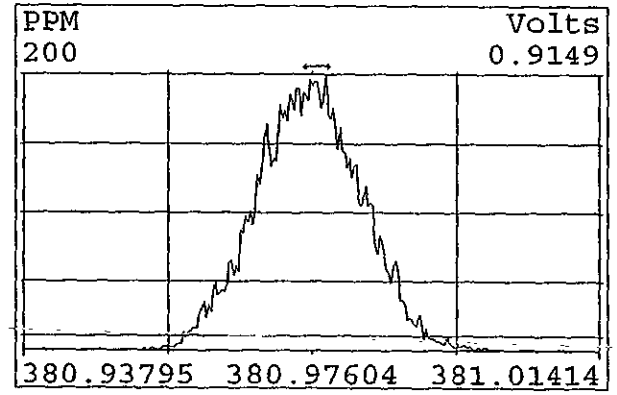
Peak Locate Examination: 4-MAY-2010:22:40 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

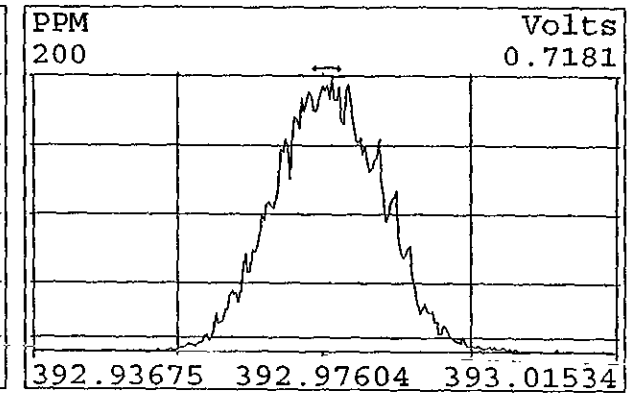


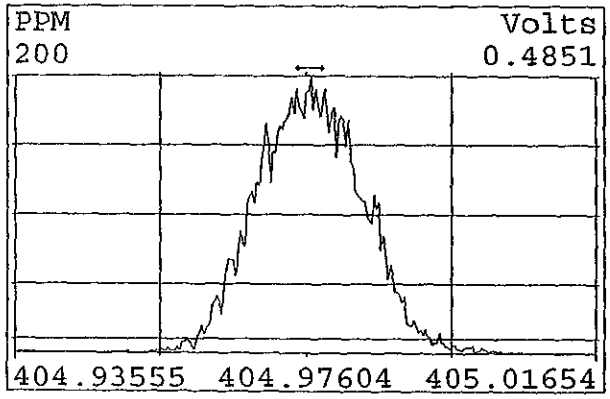


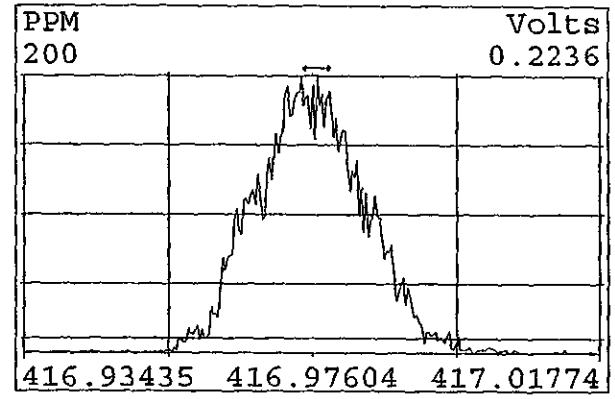




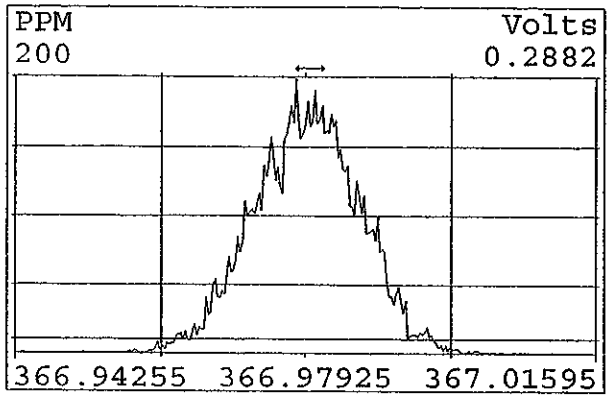


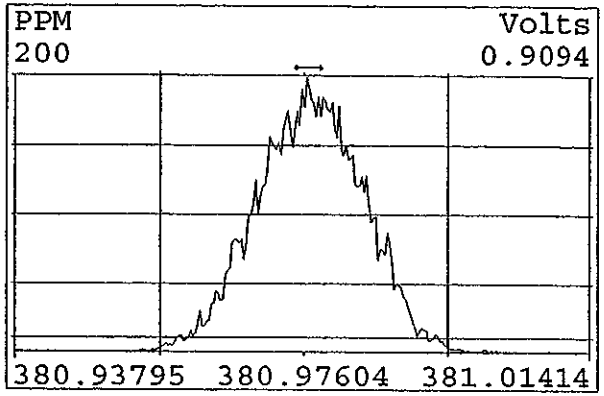


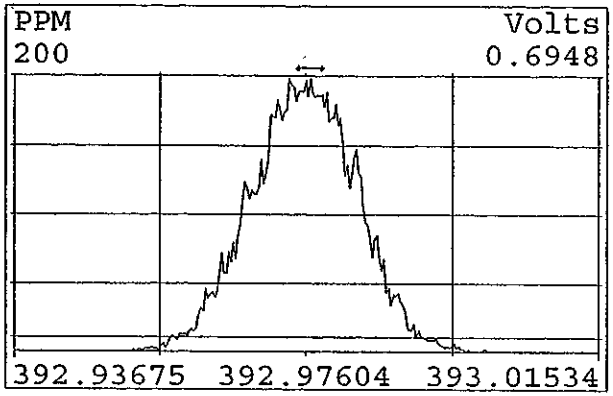


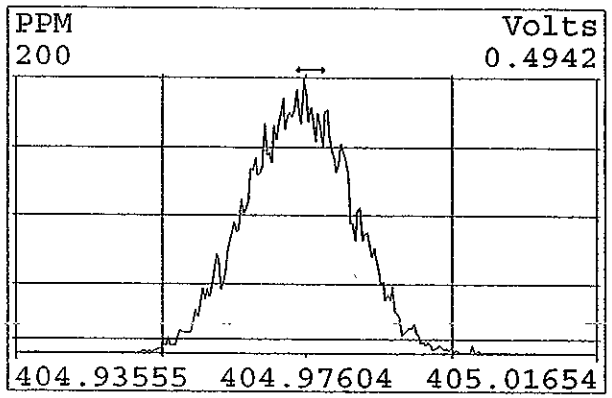


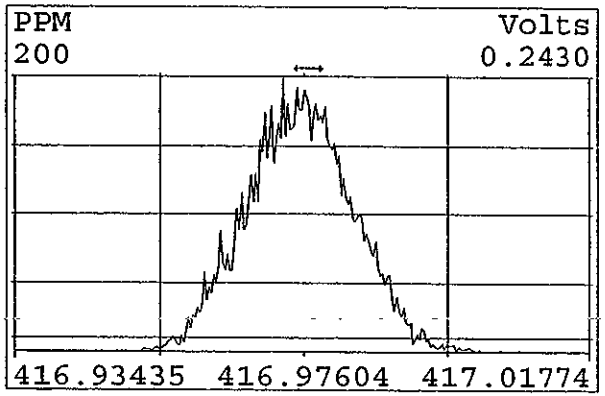
Peak Locate Examination: 4-MAY-2010:22:41 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

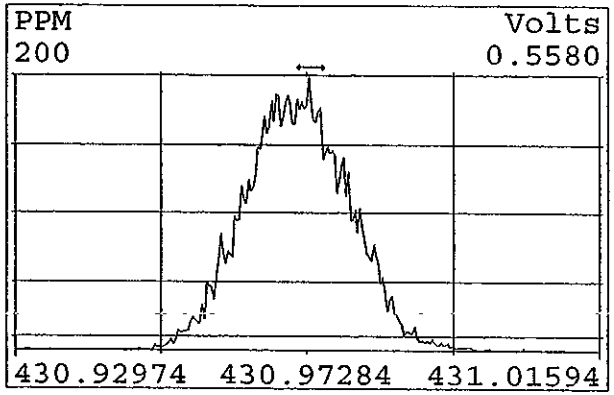


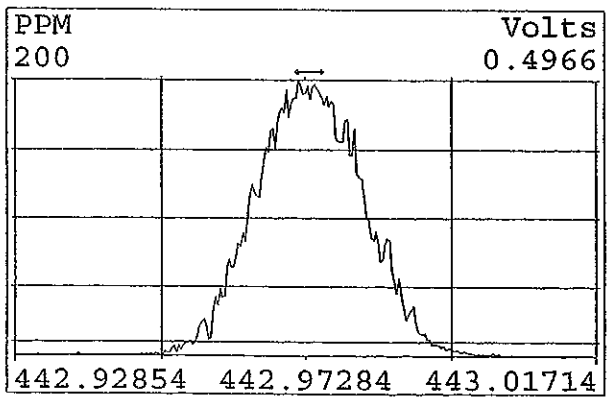


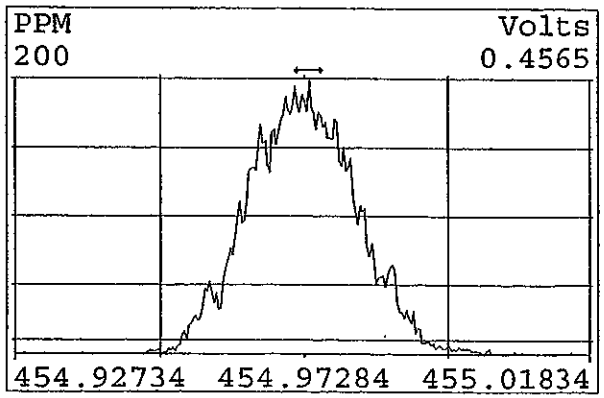




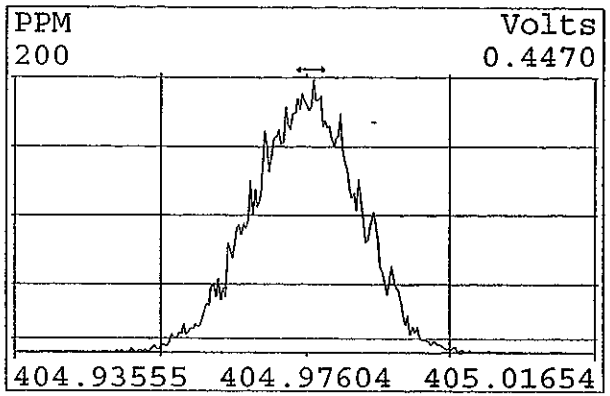


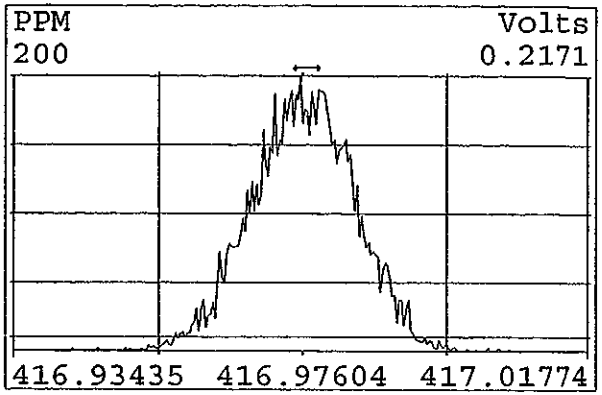


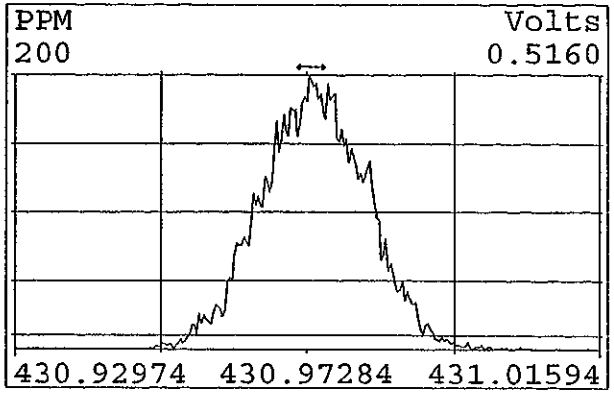


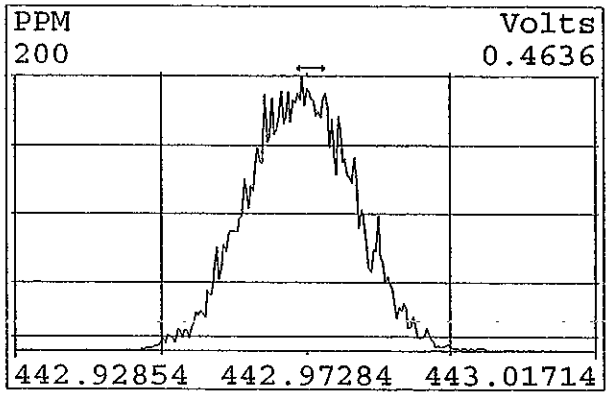


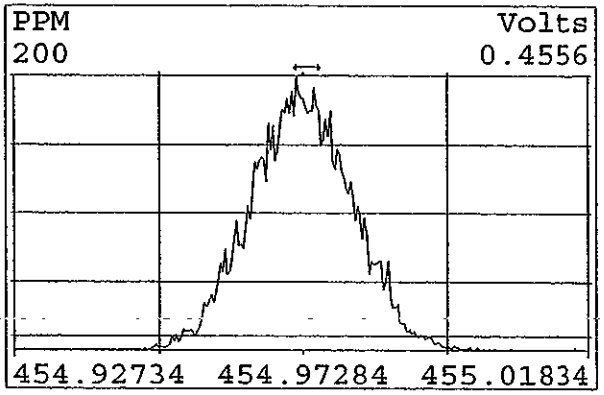
Peak Locate Examination: 4-MAY-2010:22:42 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

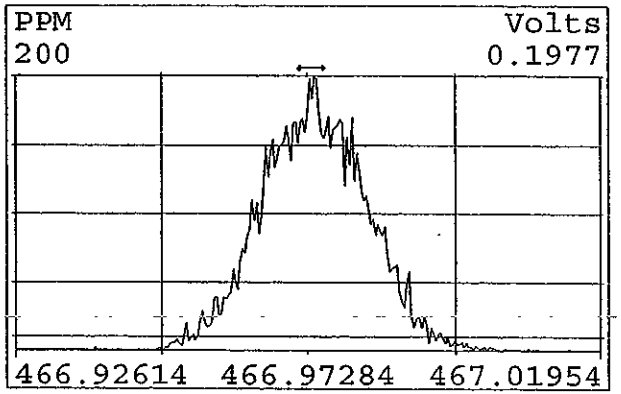


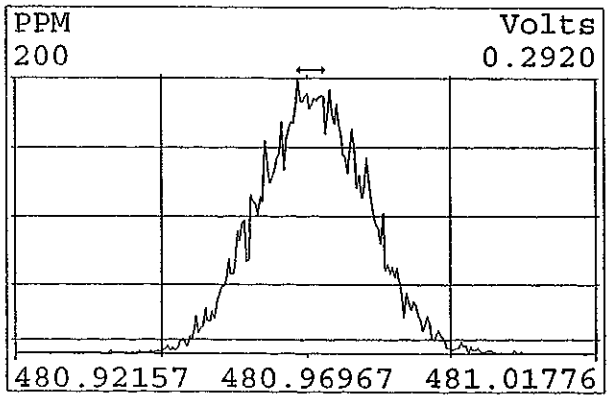




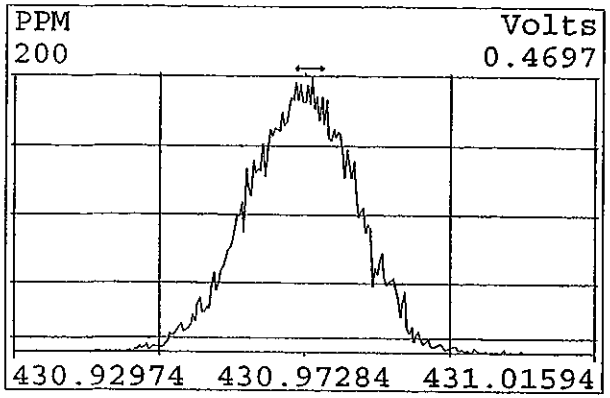


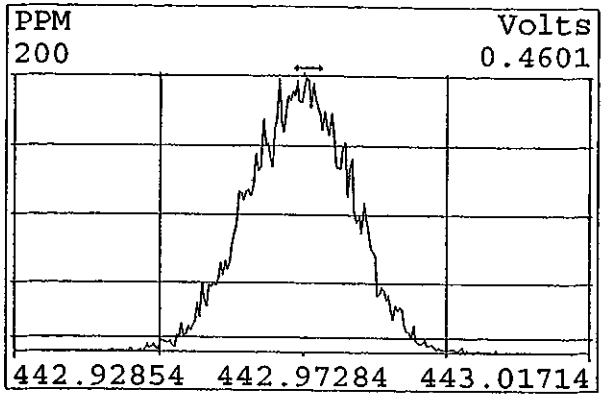


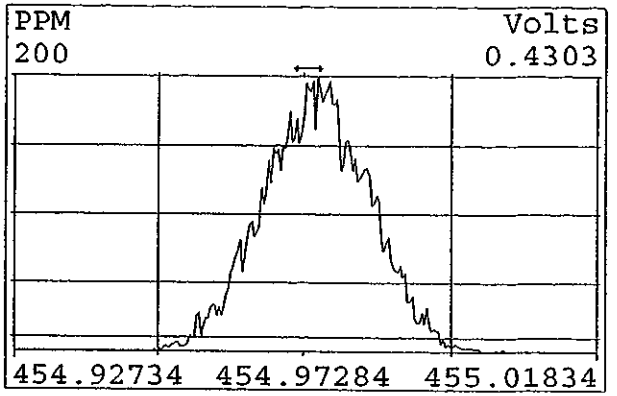


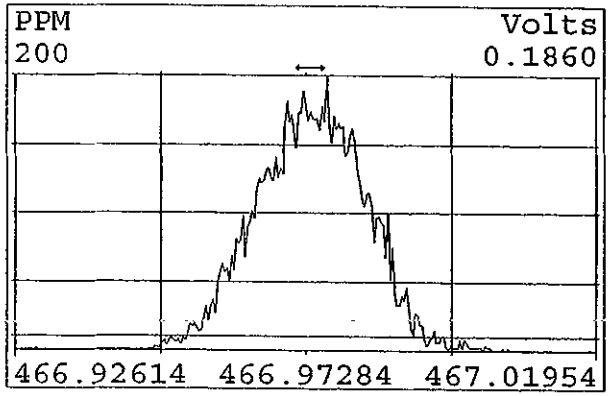


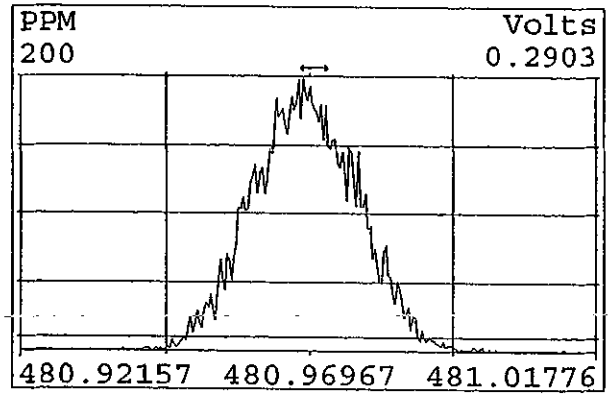
Peak Locate Examination: 4-MAY-2010:22:42 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

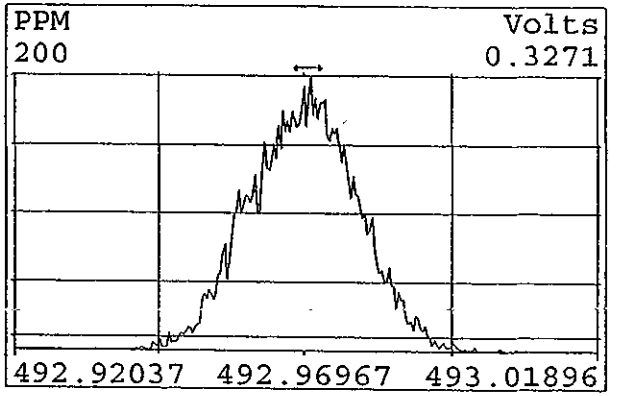


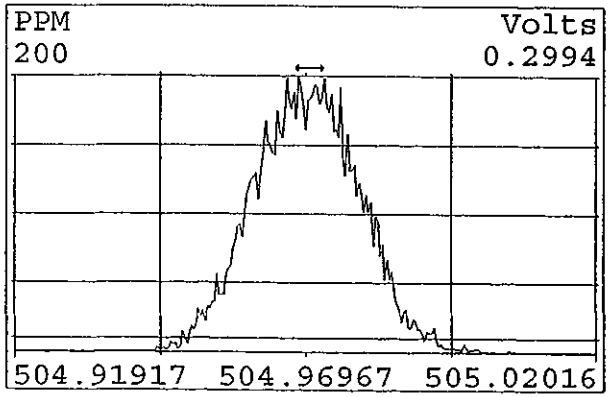


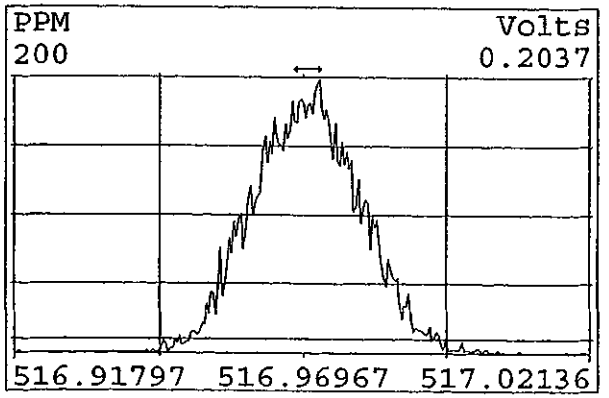




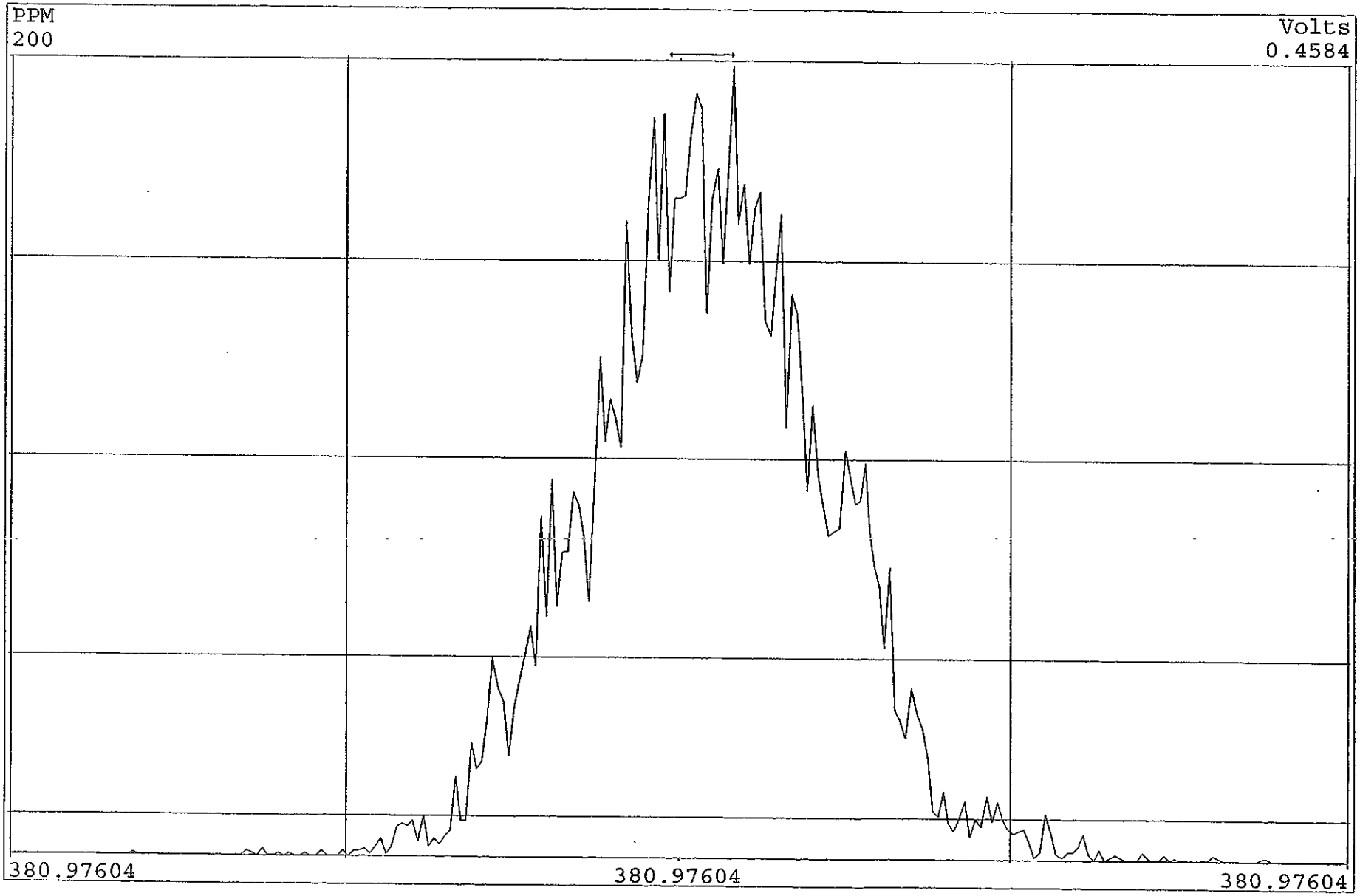




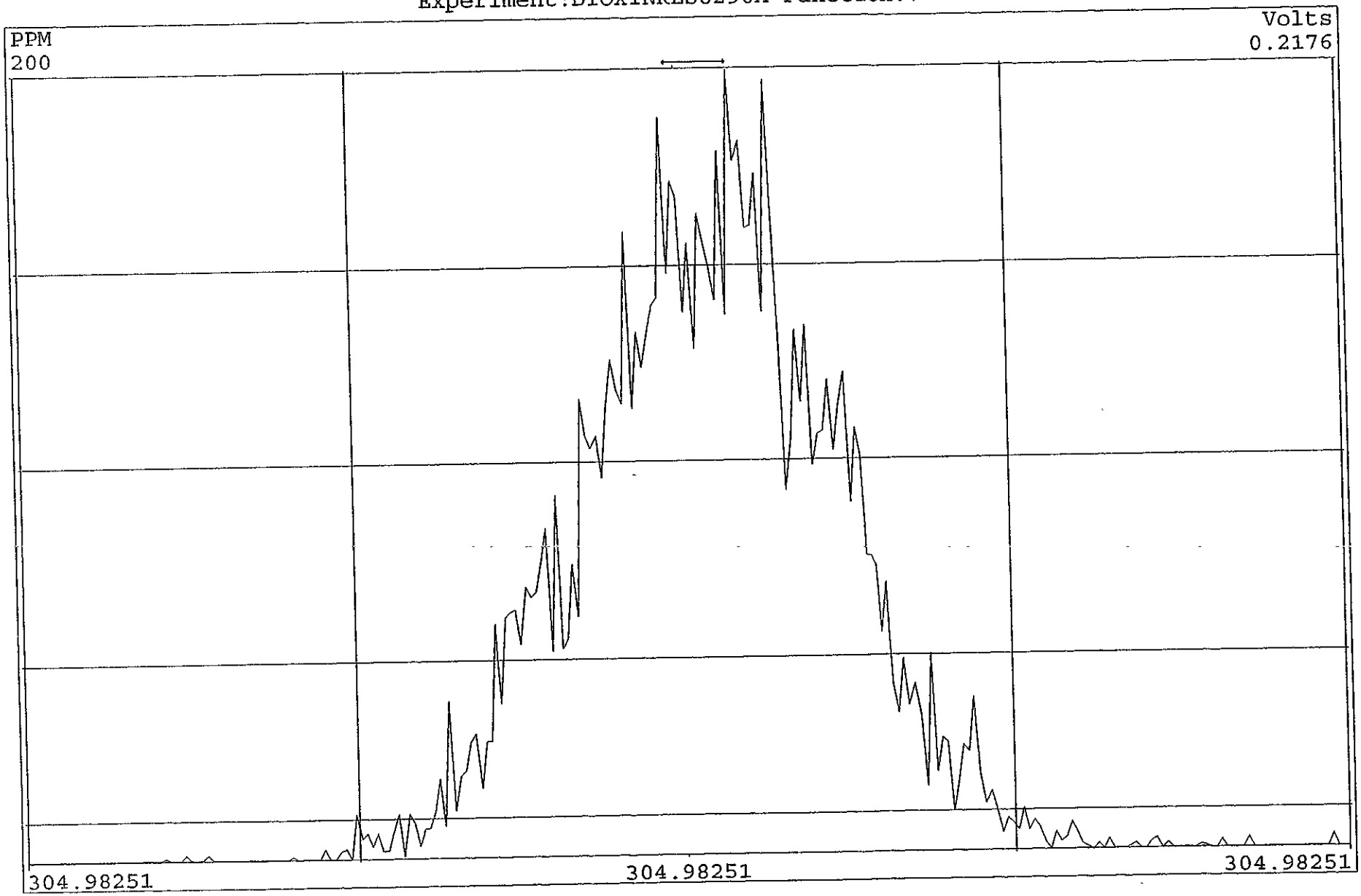




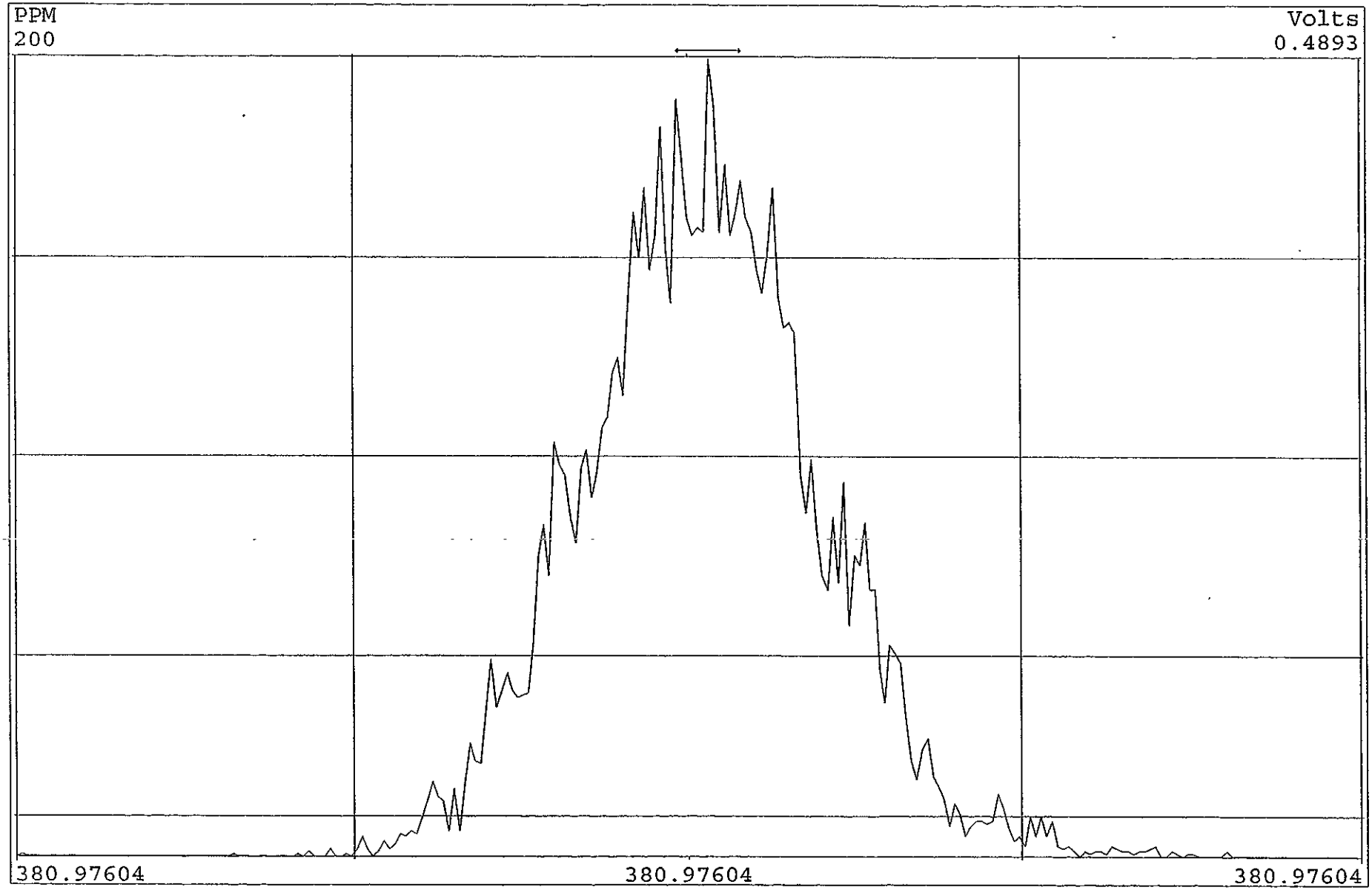
SIRLM Examination: 5-MAY-2010:08:13 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:6



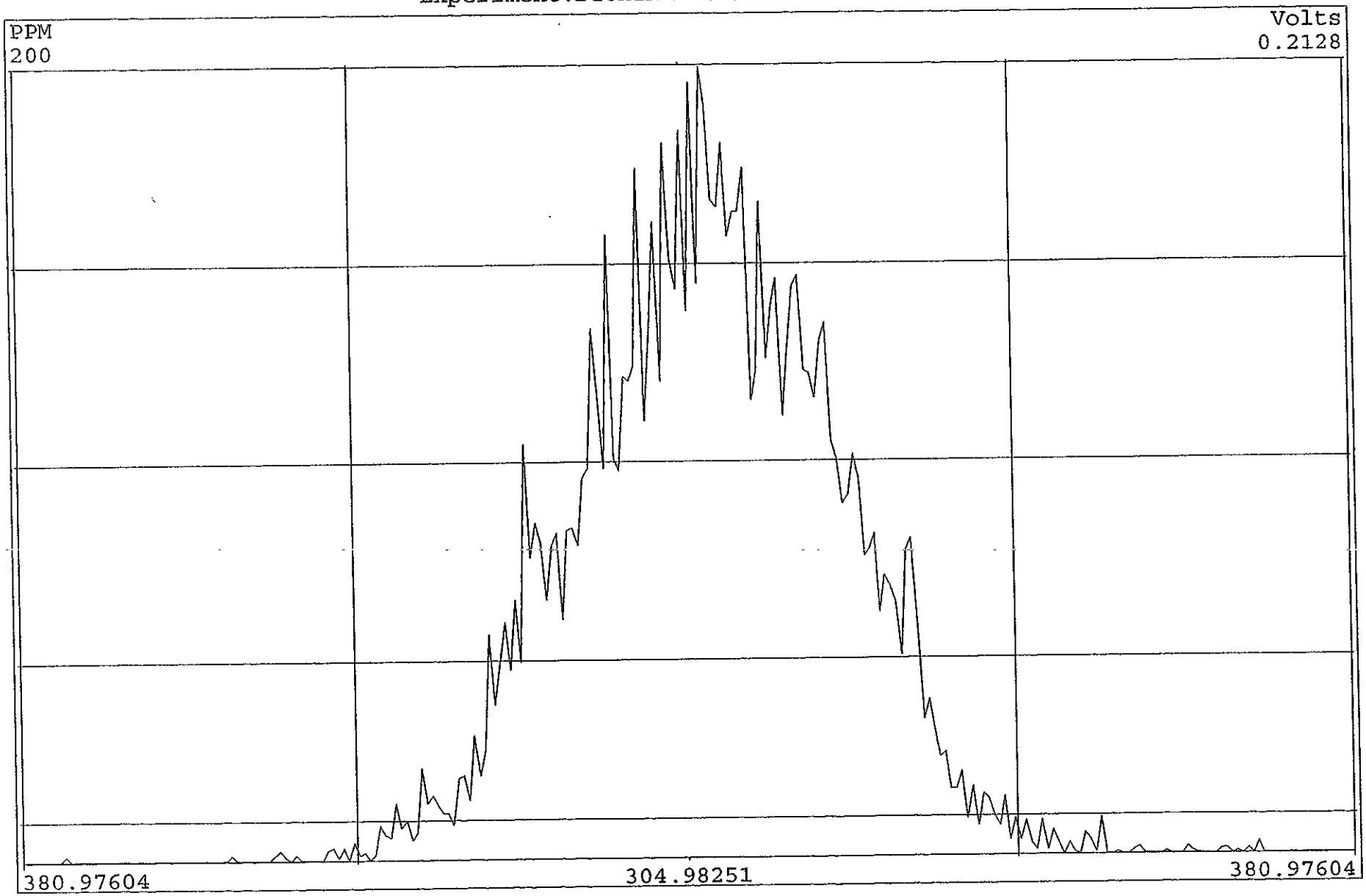
SIRLM Examination: 5-MAY-2010:08:14 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:7



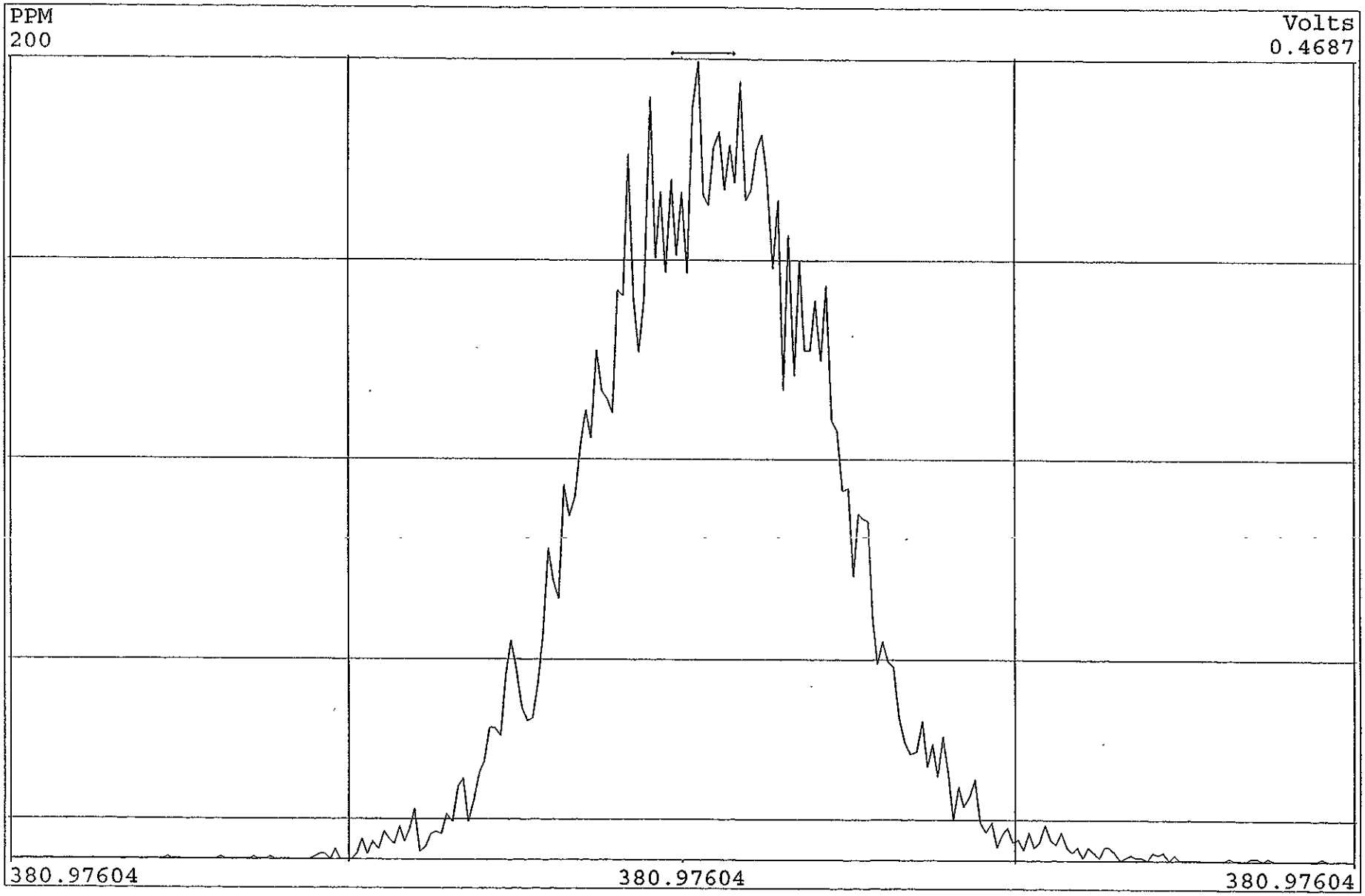
SIRLM Examination: 5-MAY-2010:17:46 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:6



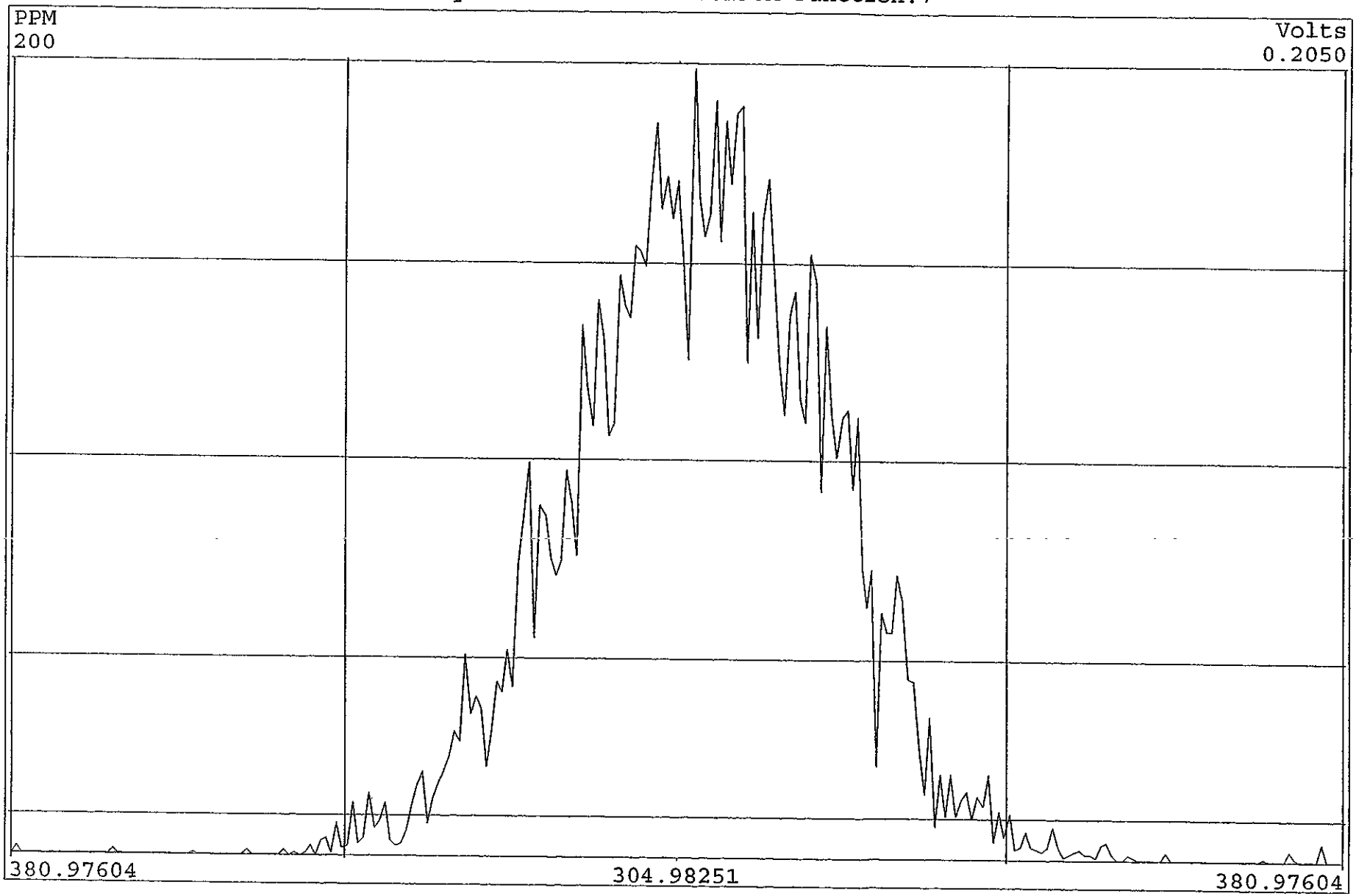
SIRLM Examination: 5-MAY-2010:17:47 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:7



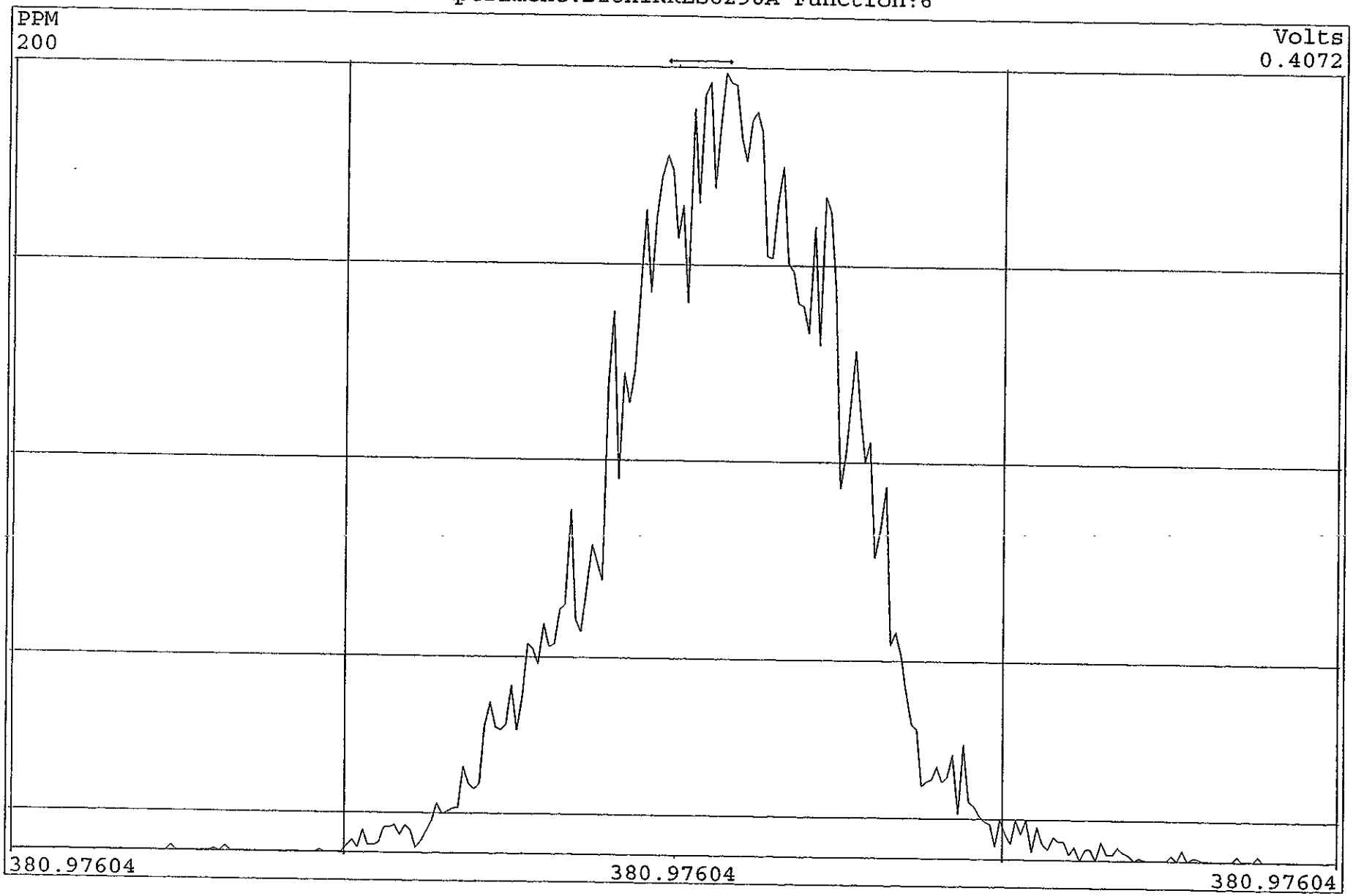
SIRLM Examination: 5-MAY-2010:23:38 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:6



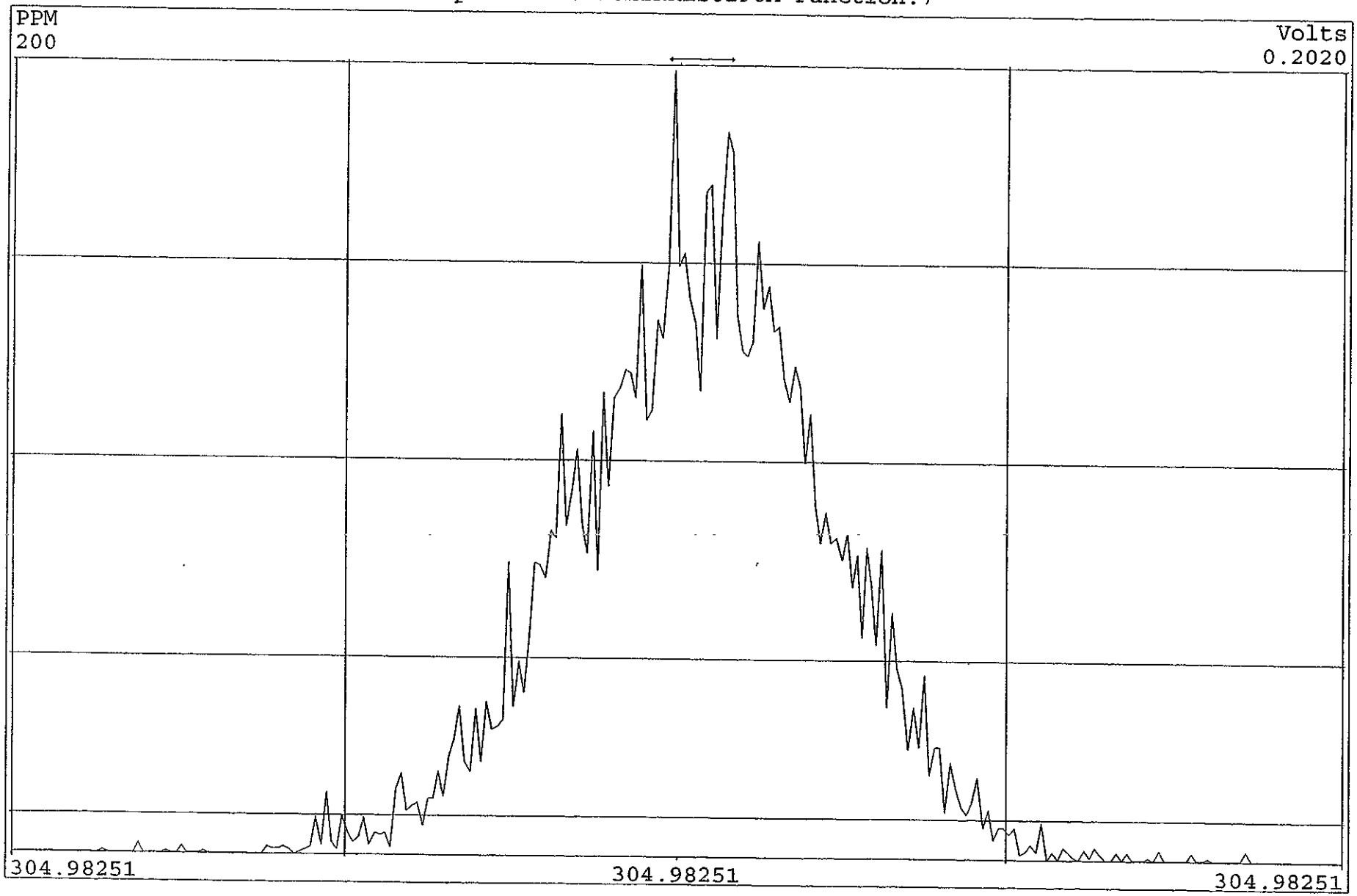
SIRLM Examination: 5-MAY-2010:23:39 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:7



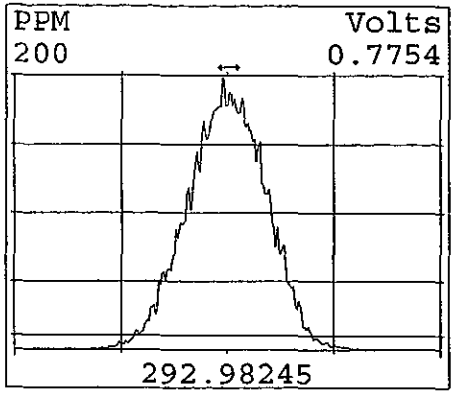
SIRLM Examination: 6-MAY-2010:10:22 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:6

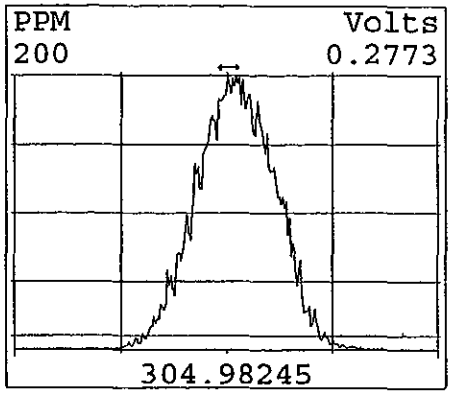


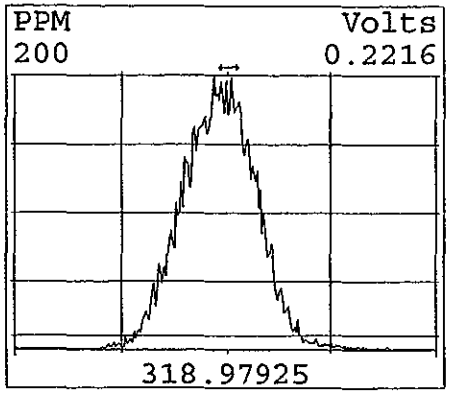
SIRLM Examination: 6-MAY-2010:10:24 File:04MY10A4D5
Experiment:DIOXINRES8290A Function:7

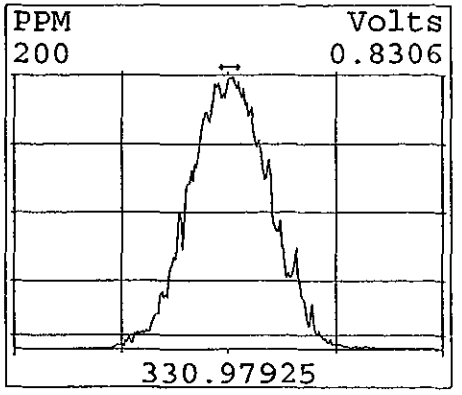


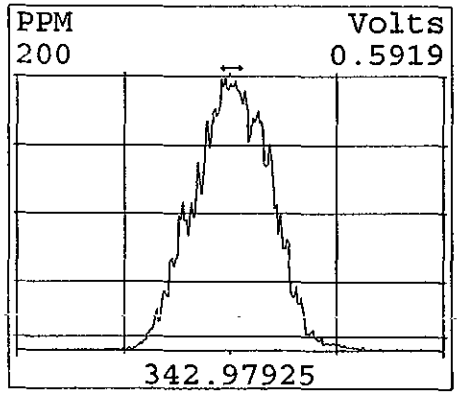
Peak Locate Examination: 6-MAY-2010:14:22 File:04MY10A4D5ENDRES
Experiment:DIOXINRES Function:1 Reference:PFK

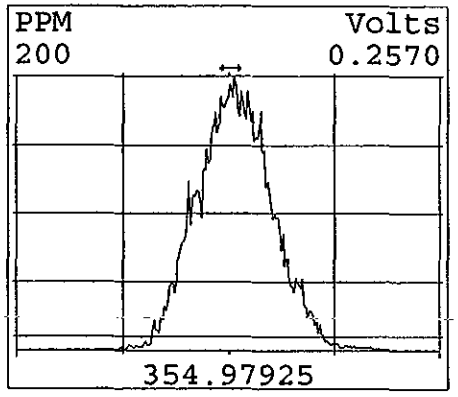


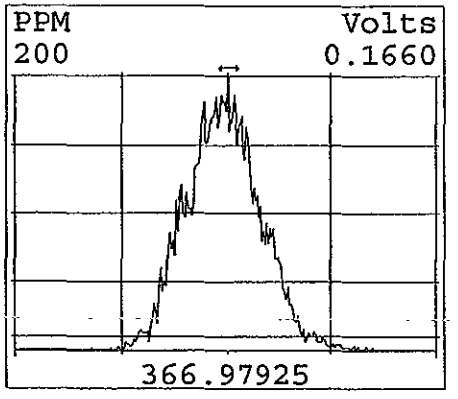


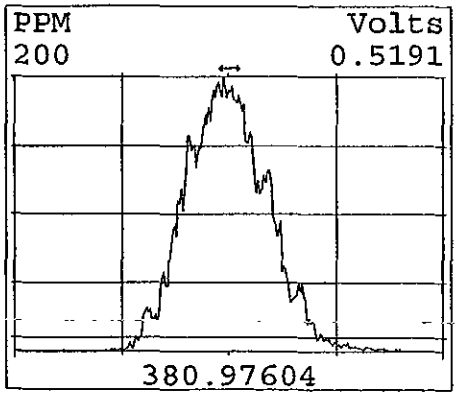


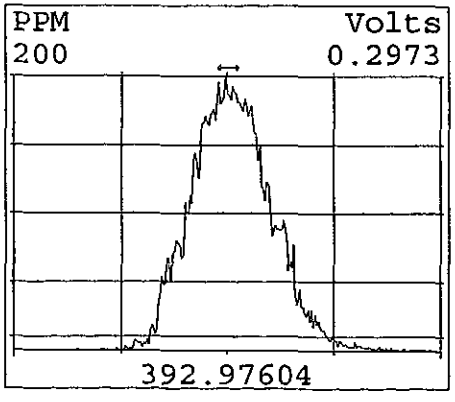


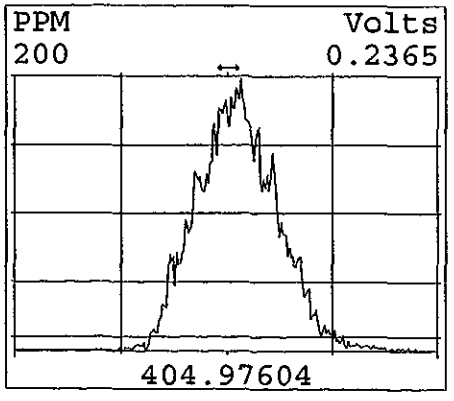


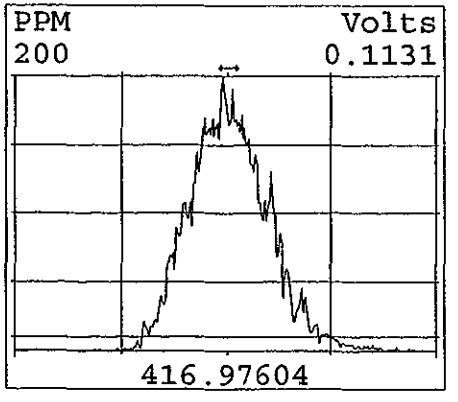




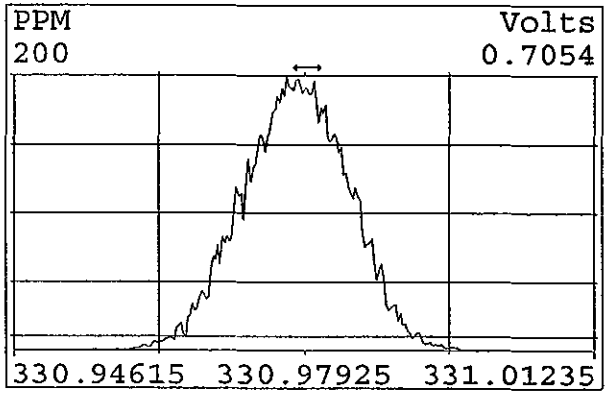


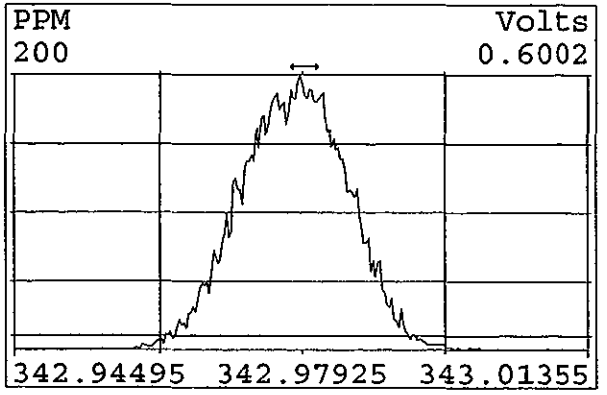


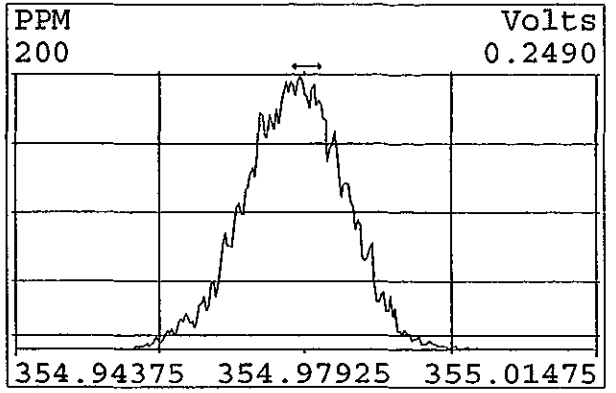


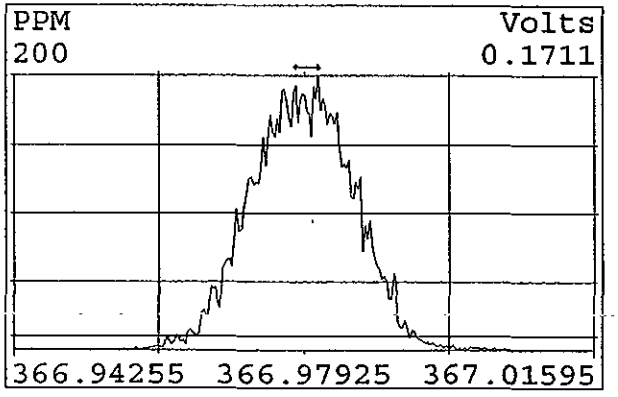


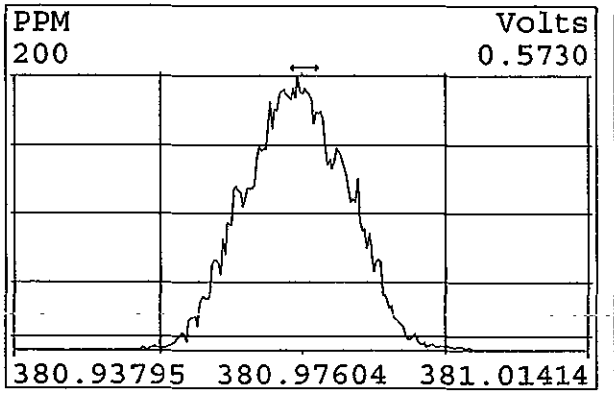
Peak Locate Examination: 6-MAY-2010:14:23 File:04MY10A4D5ENDRES
Experiment:DIOXINRES Function:2 Reference:PFK

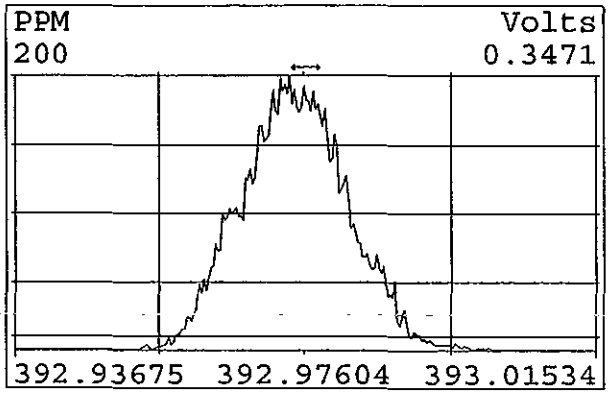


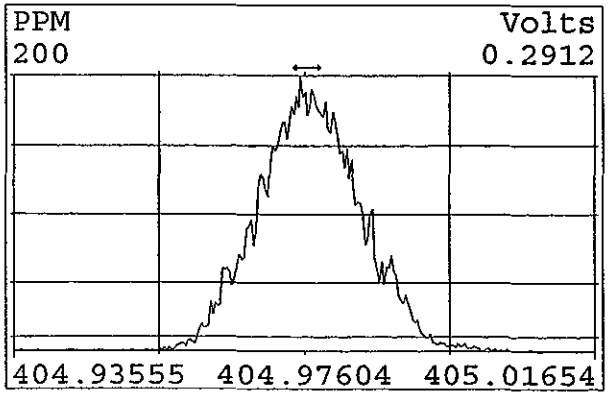


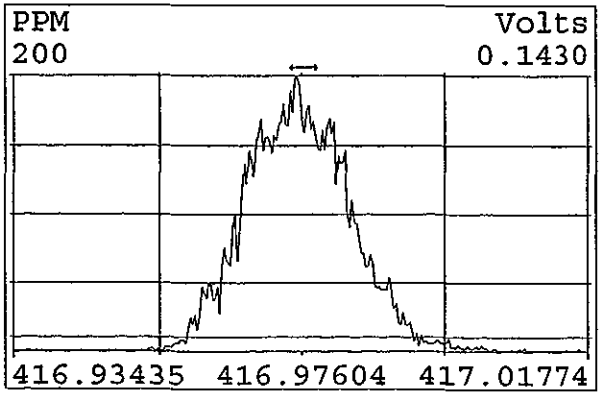




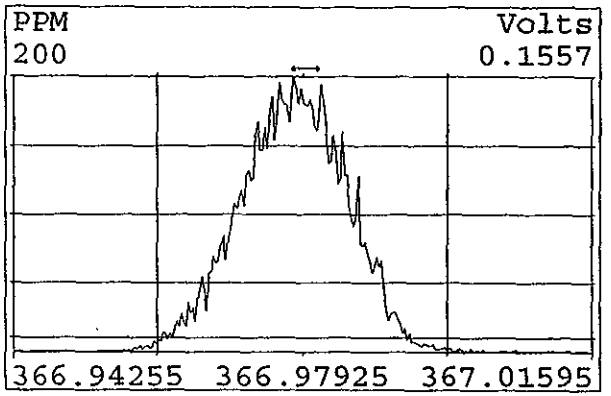


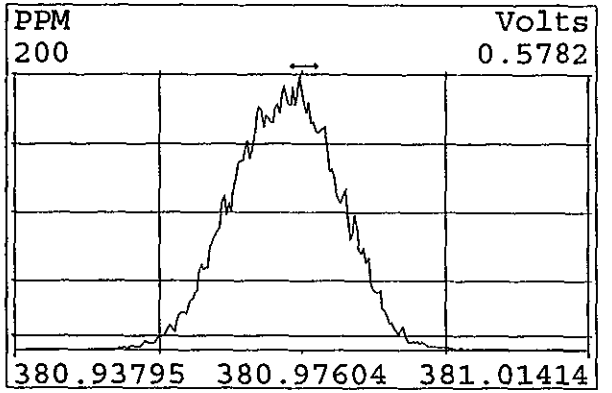


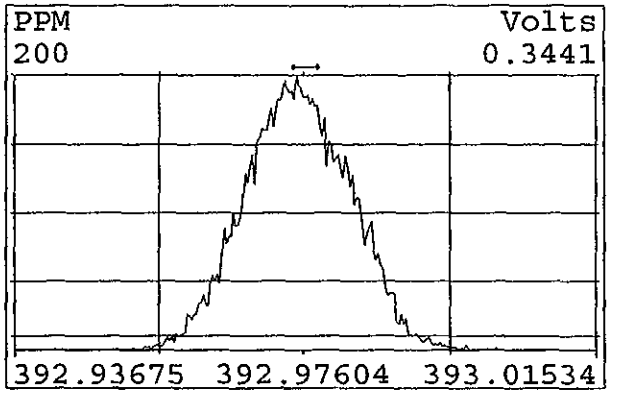


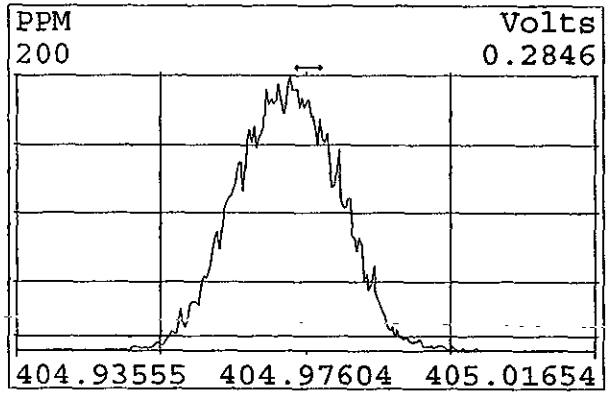


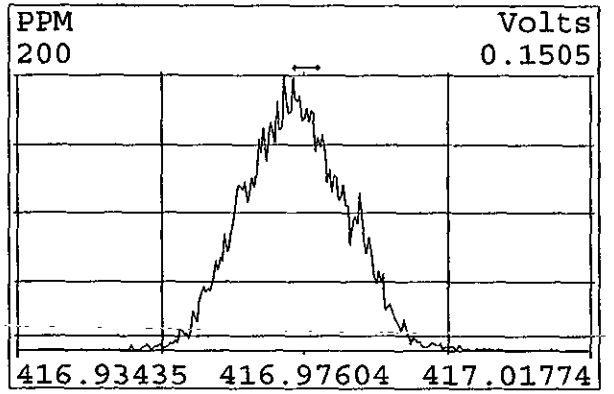
Peak Locate Examination: 6-MAY-2010:14:23 File:04MY10A4D5ENDRES
Experiment:DIOXINRES Function:3 Reference:PFK

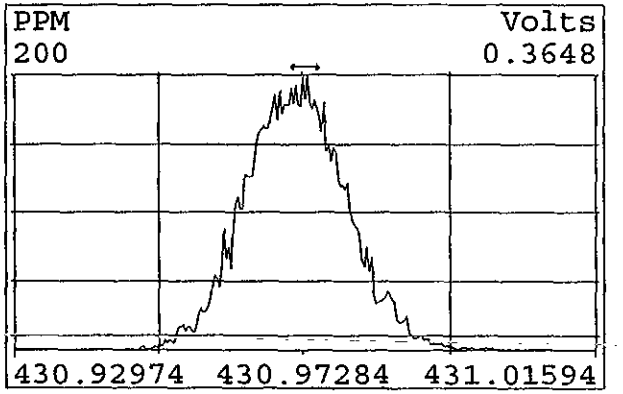


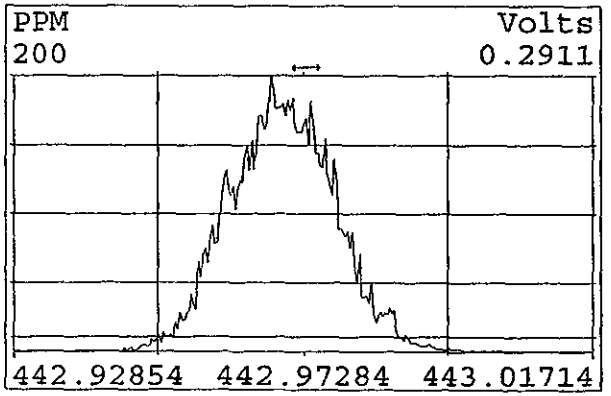


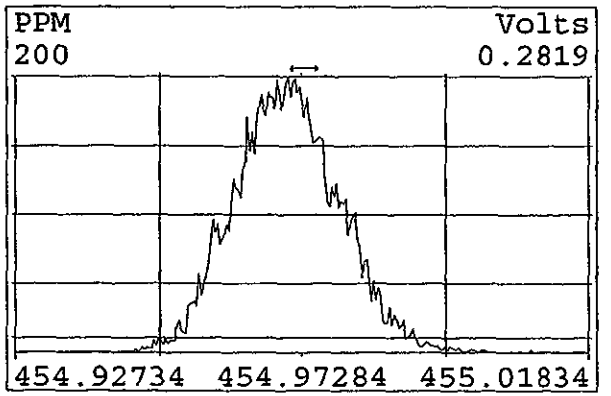




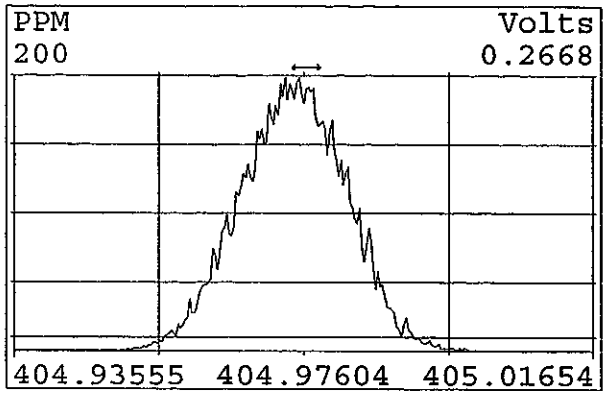


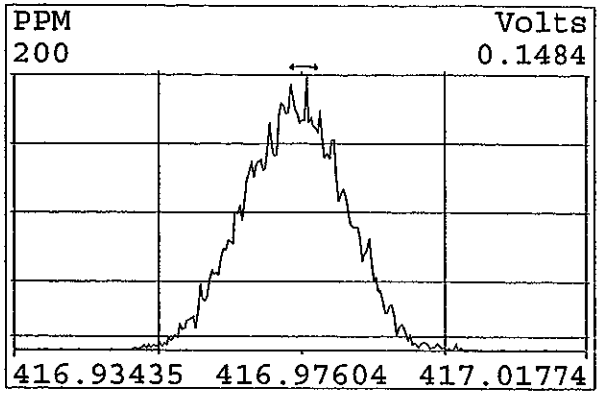


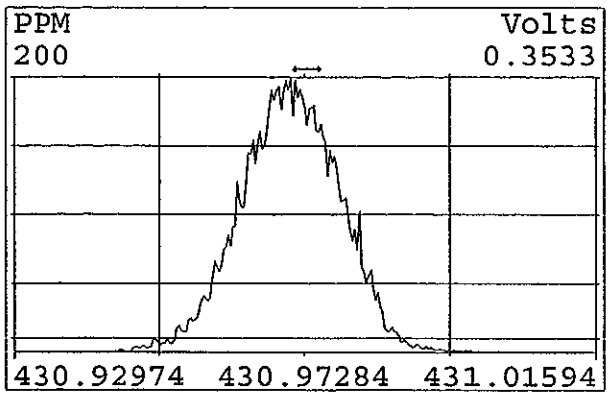


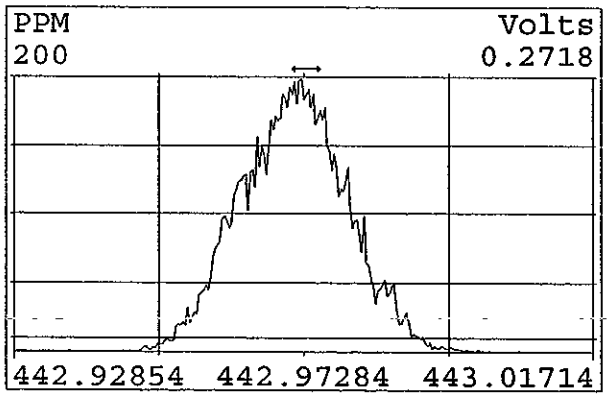


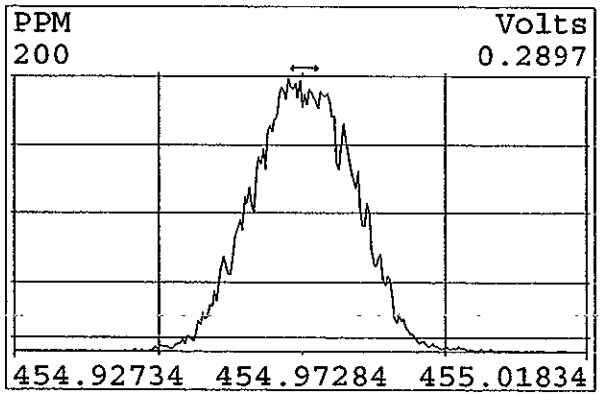
Peak Locate Examination: 6-MAY-2010:14:24 File:04MY10A4D5ENDRES
Experiment:DIOXINRES Function:4 Reference:PFK

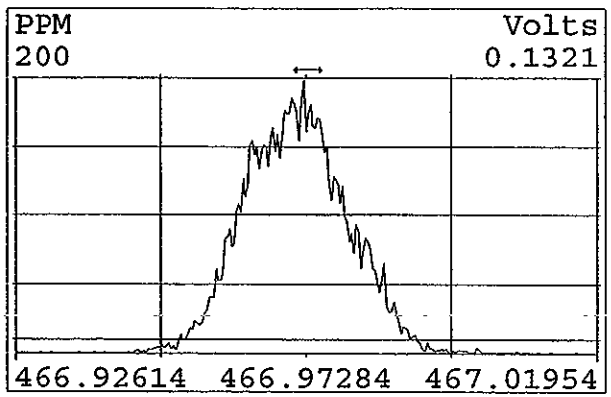


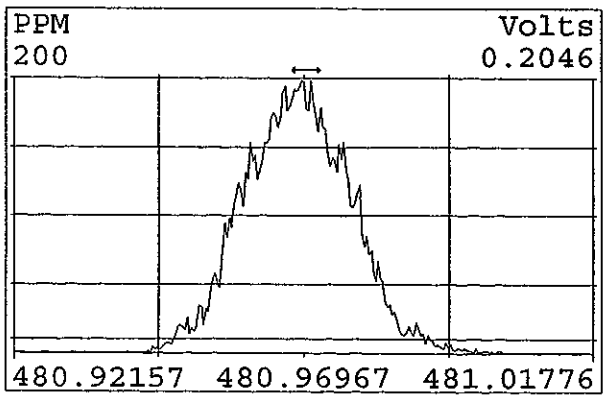




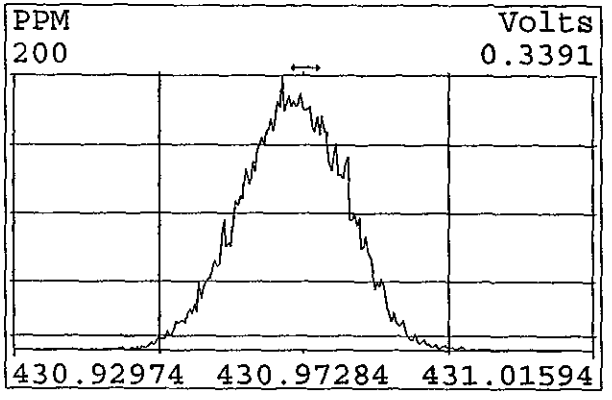


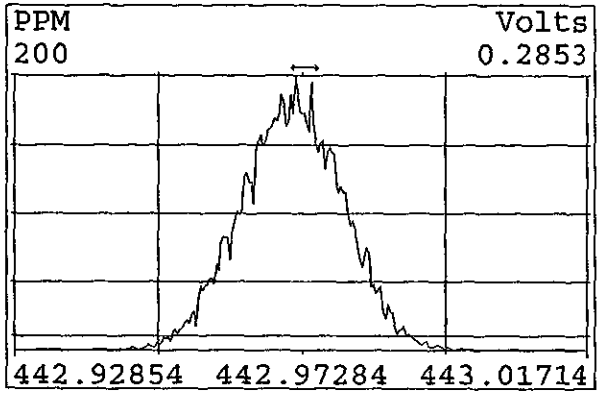


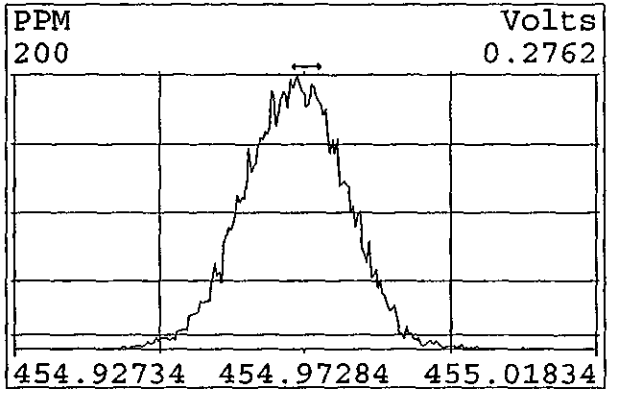


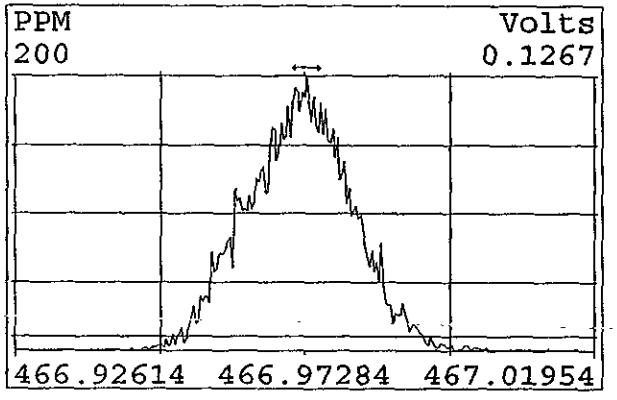


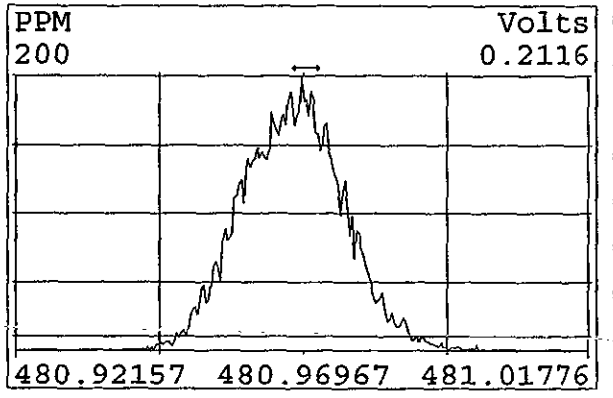
Peak Locate Examination: 6-MAY-2010:14:24 File:04MY10A4D5ENDRES
Experiment:DIOXINRES Function:5 Reference:PFK

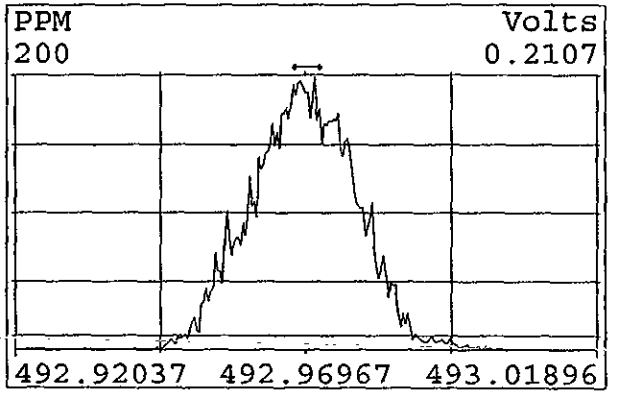


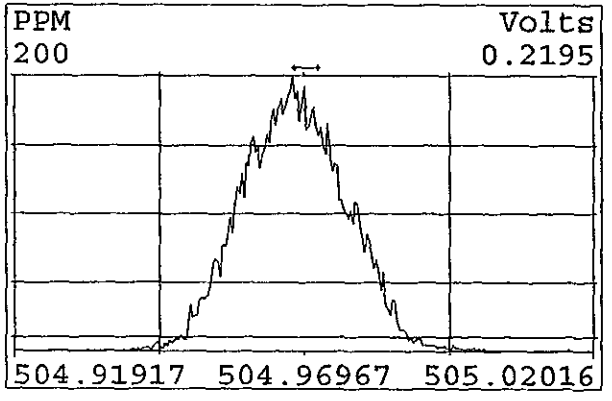


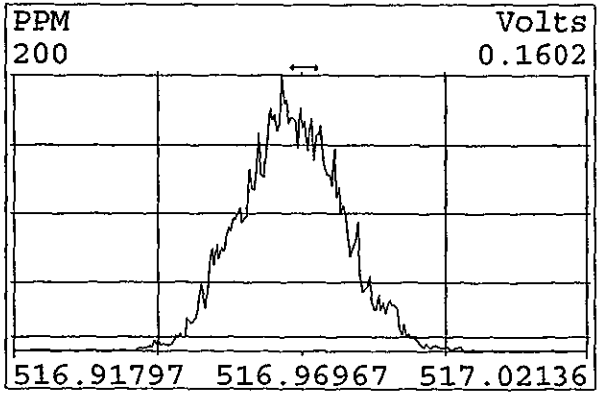




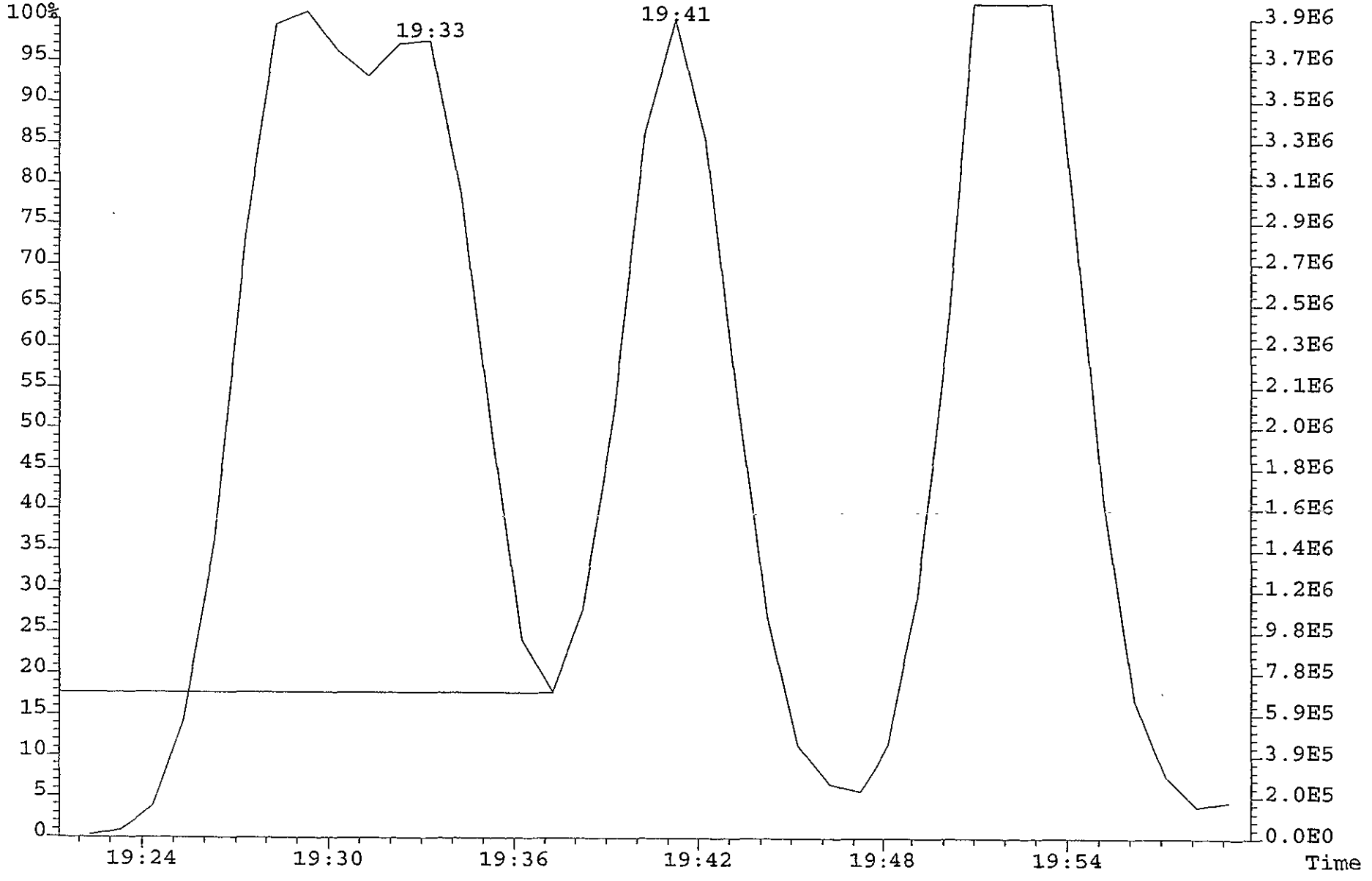








File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 S:20 Exp:DIOXINRES8290A
Sample Text:CP0504C :DB-5 CPSM 3732-05



Run: 04MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5

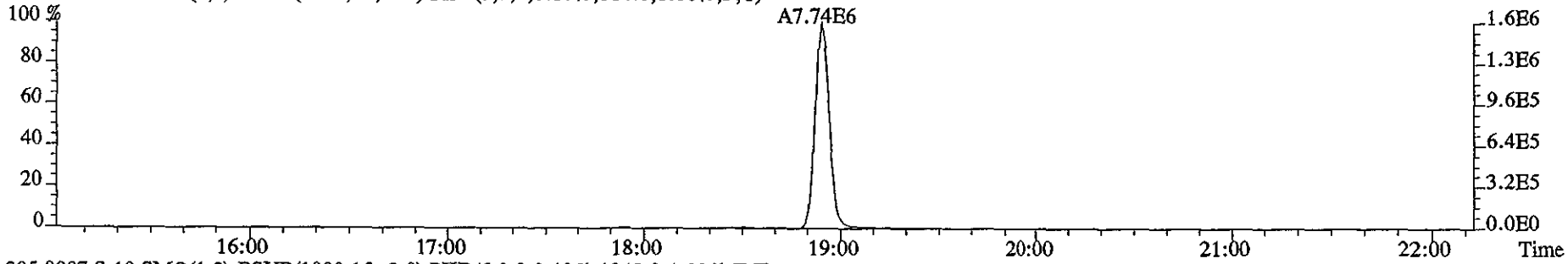
ST0412B :CS-1 09DXN422 ST0412A :CS-2 09DXN423 ST0412 :CS-3 10DXN111
ST0412D :CS-4 09DXN426 ST0412C :CS-5 09DXN456

Name	Mean	S. D.	%RSD	12AP104D5 S4 RRF1	12AP104D5 S3 RRF2	12AP104D5 S2 RRF3	12AP104D5 S6 RRF4	12AP104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	0.87	0.95	0.91	1.08
2,3,7,8-TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
Total TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
37Cl-2,3,7,8-TCDD	2.261	0.218	9.64 %	2.41	2.04	2.16	2.14	2.56
13C-1,2,3,7,8-PeCDF	1.050	0.149	14.1 %	0.97	0.97	1.01	0.98	1.31
1,2,3,7,8-PeCDF	1.045	0.049	4.68 %	0.97	1.02	1.09	1.09	1.06
2,3,4,7,8-PeCDF	0.982	0.045	4.55 %	0.93	0.97	1.03	1.02	0.96
Total F2 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
Total F1 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
13C-1,2,3,7,8-PeCDD	0.670	0.094	14.0 %	0.61	0.65	0.62	0.64	0.84
1,2,3,7,8-PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
Total PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.025	0.075	7.29 %	1.08	0.98	1.08	0.92	1.06
1,2,3,4,7,8-HxCDF	1.213	0.061	5.00 %	1.12	1.18	1.25	1.28	1.23
1,2,3,6,7,8-HxCDF	1.343	0.096	7.13 %	1.20	1.34	1.46	1.38	1.33
2,3,4,6,7,8-HxCDF	1.222	0.064	5.27 %	1.13	1.19	1.29	1.26	1.23
1,2,3,7,8,9-HxCDF	1.092	0.072	6.60 %	1.02	1.02	1.15	1.17	1.10
Total HxCDF	1.218	0.070	5.72 %	1.12	1.18	1.29	1.27	1.22
13C-1,2,3,6,7,8-HxCDD	0.807	0.060	7.46 %	0.81	0.77	0.86	0.72	0.87
1,2,3,4,7,8-HxCDD	1.007	0.056	5.54 %	0.93	1.02	1.04	1.07	0.98

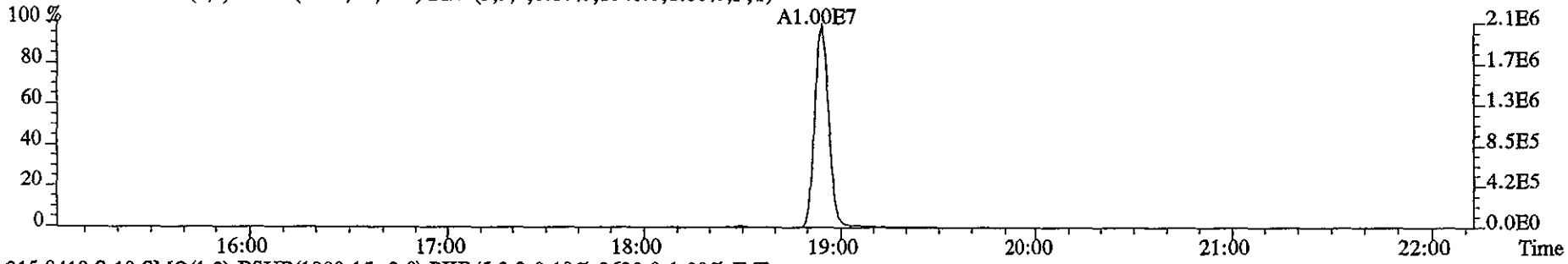
1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
13C-1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDF	1.310	0.072	5.52 %	1.20	1.28	1.39	1.36	1.32
1,2,3,4,7,8,9-HpCDF	1.026	0.053	5.19 %	0.95	1.00	1.09	1.06	1.03
Total HpCDF	1.168	0.063	5.36 %	1.08	1.14	1.24	1.21	1.18
13C-1,2,3,4,6,7,8-HpCDD	0.697	0.052	7.39 %	0.71	0.67	0.77	0.64	0.71
1,2,3,4,6,7,8-HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
Total HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
13C-OCDD	0.531	0.041	7.69 %	0.53	0.49	0.58	0.49	0.57
OCDF	1.445	0.085	5.85 %	1.32	1.39	1.51	1.50	1.50
OCDD	1.166	0.060	5.16 %	1.08	1.14	1.23	1.21	1.17

File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A

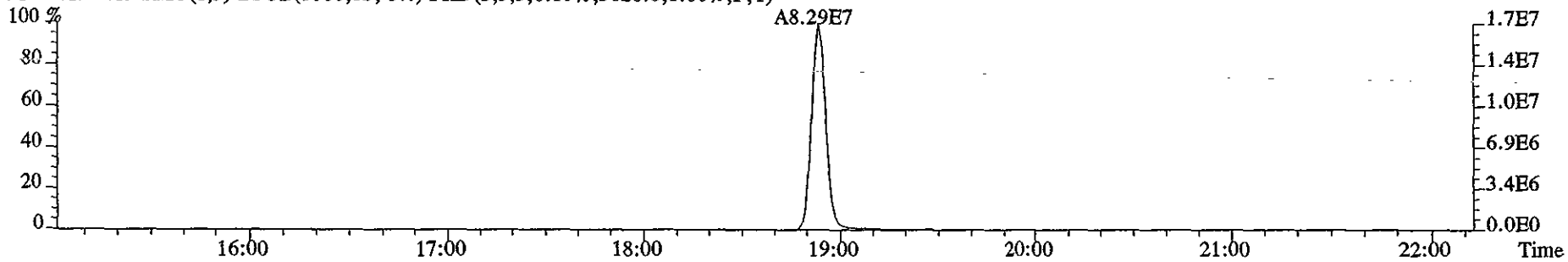
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



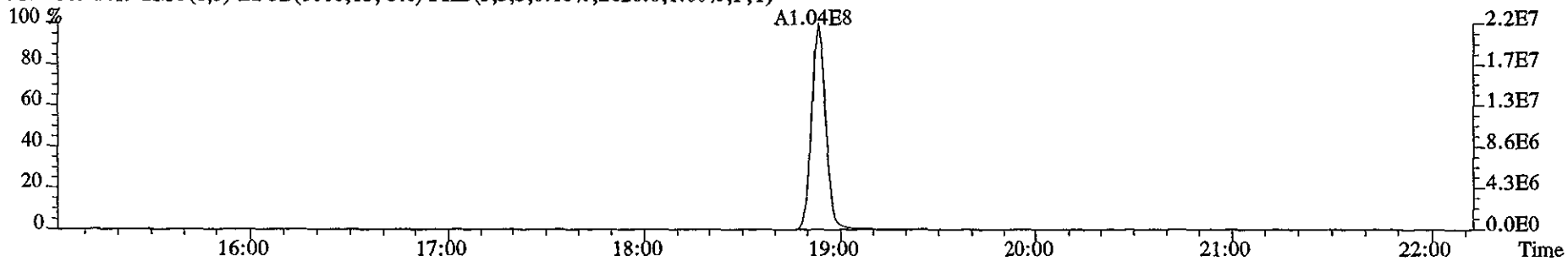
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1848.0,1.00%,F,T)



315.9419 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3620.0,1.00%,F,T)

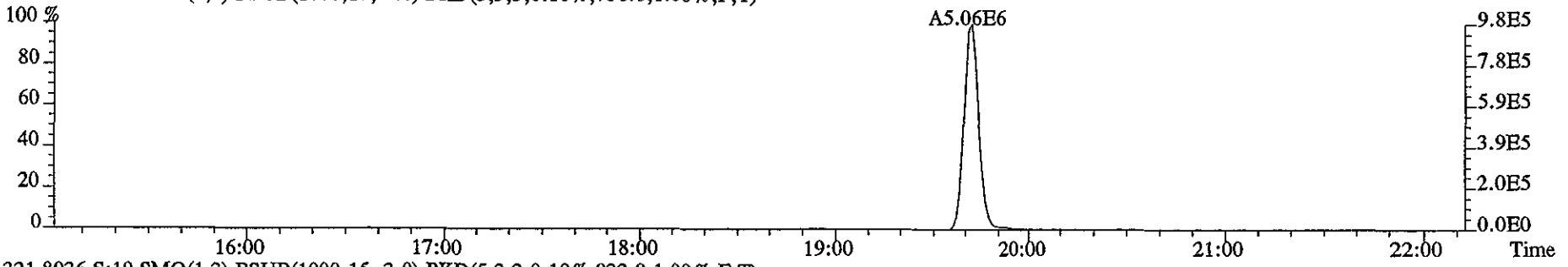


317.9389 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2628.0,1.00%,F,T)

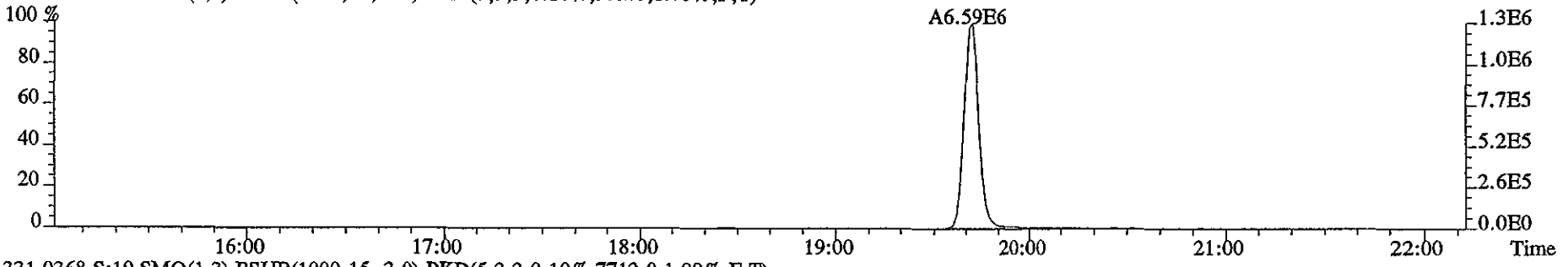


File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A

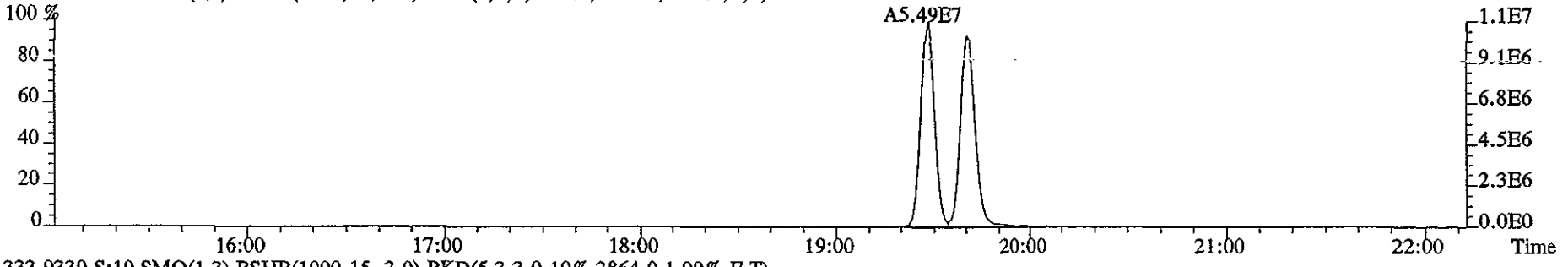
319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,756.0,1.00%,F,T)



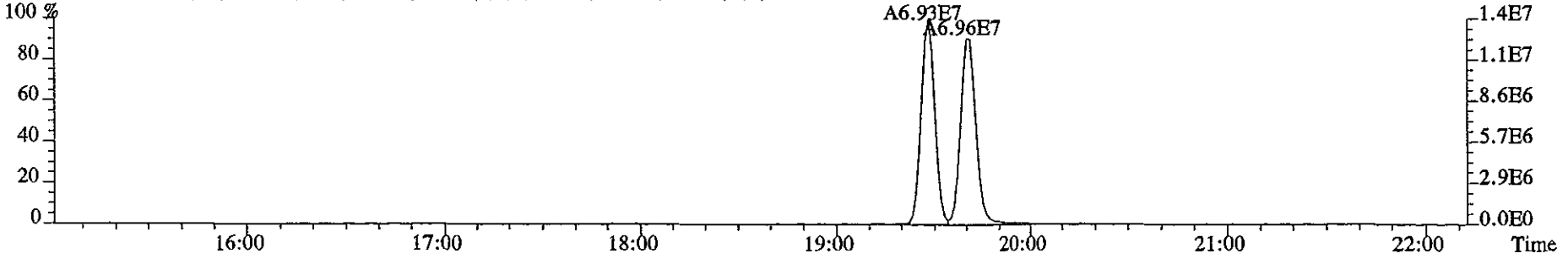
321.8936 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,932.0,1.00%,F,T)



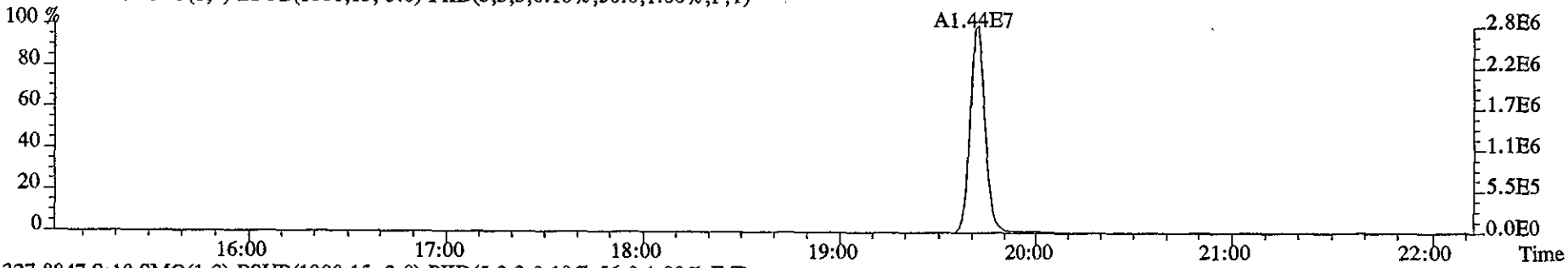
331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7712.0,1.00%,F,T)



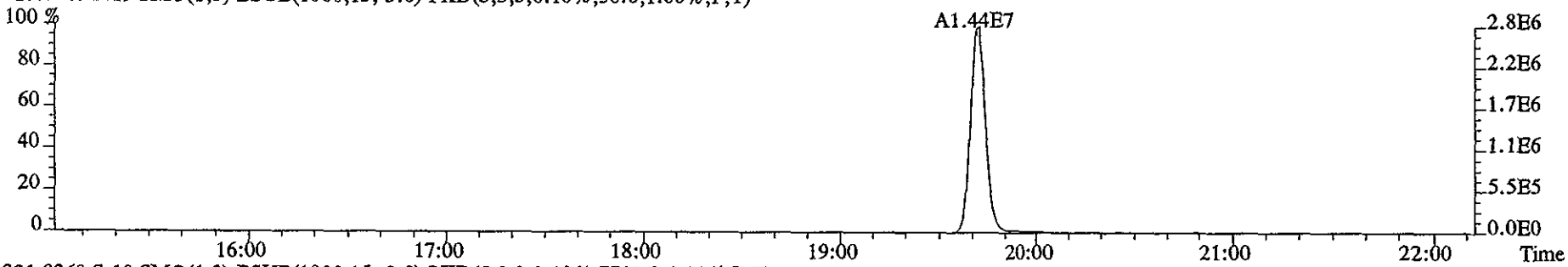
333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3864.0,1.00%,F,T)



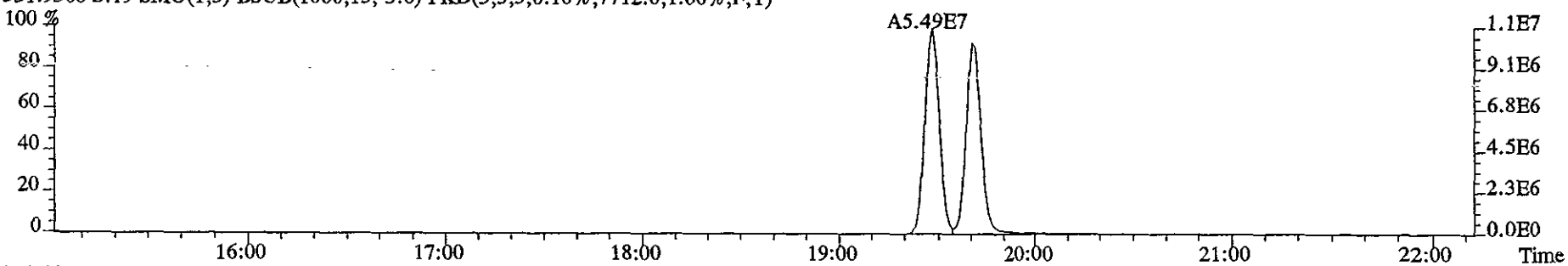
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



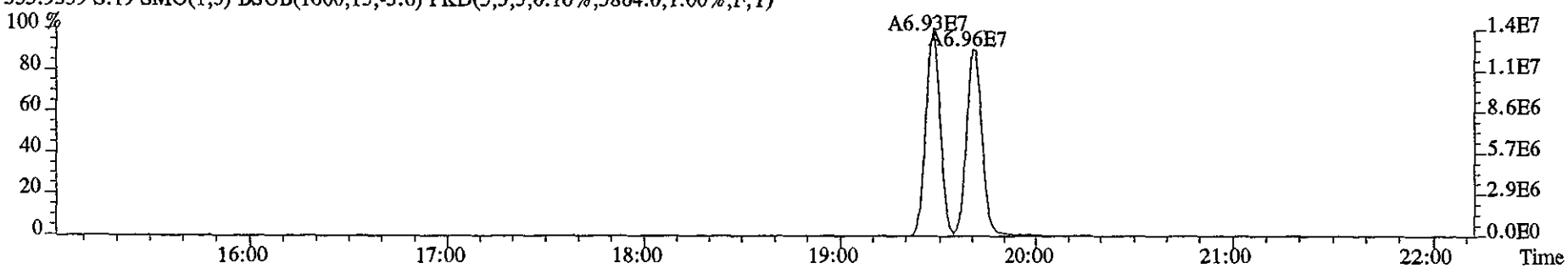
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7712.0,1.00%,F,T)

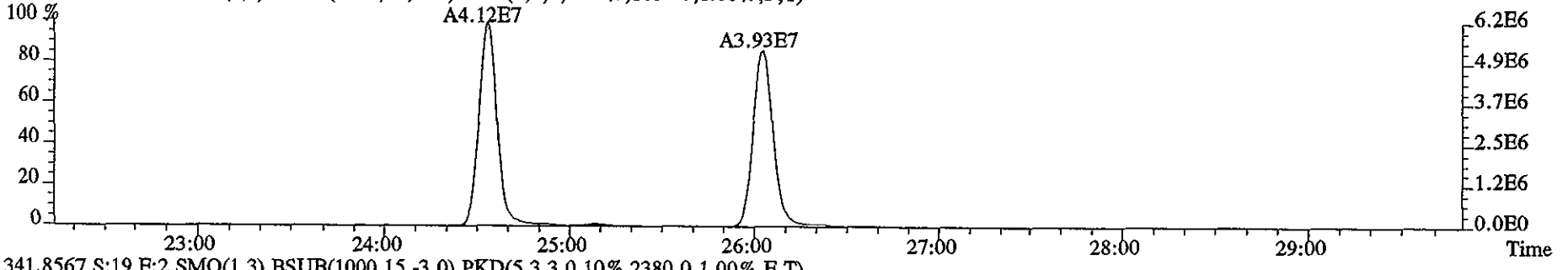


333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3864.0,1.00%,F,T)

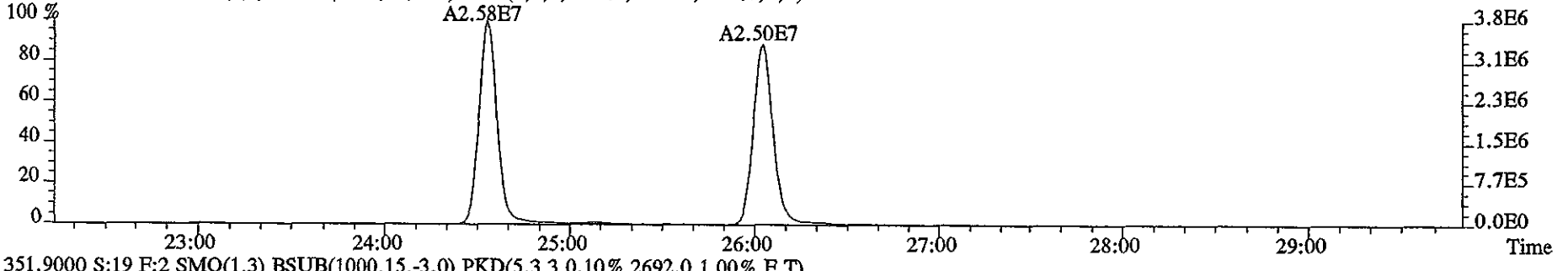


File:04MY10A4D5 #1-605 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A

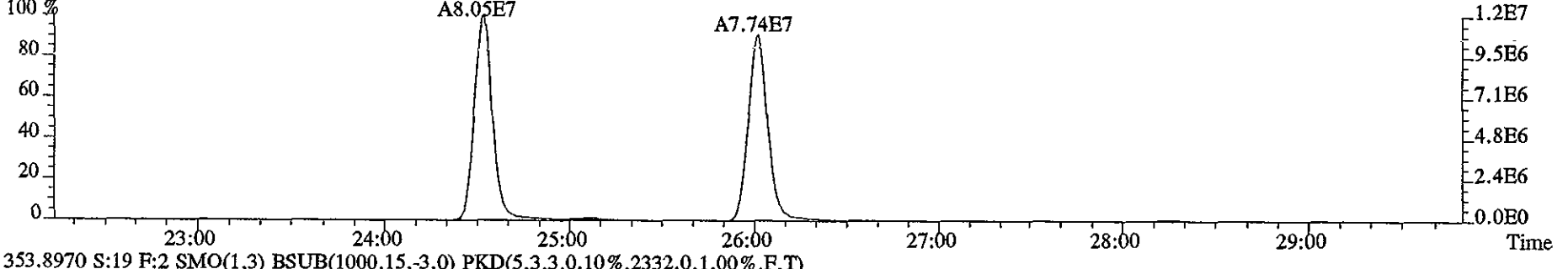
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



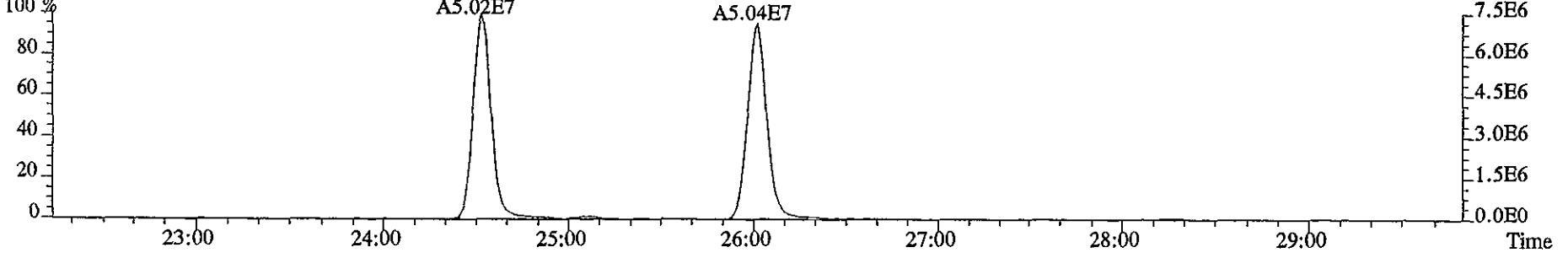
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2380.0,1.00%,F,T)



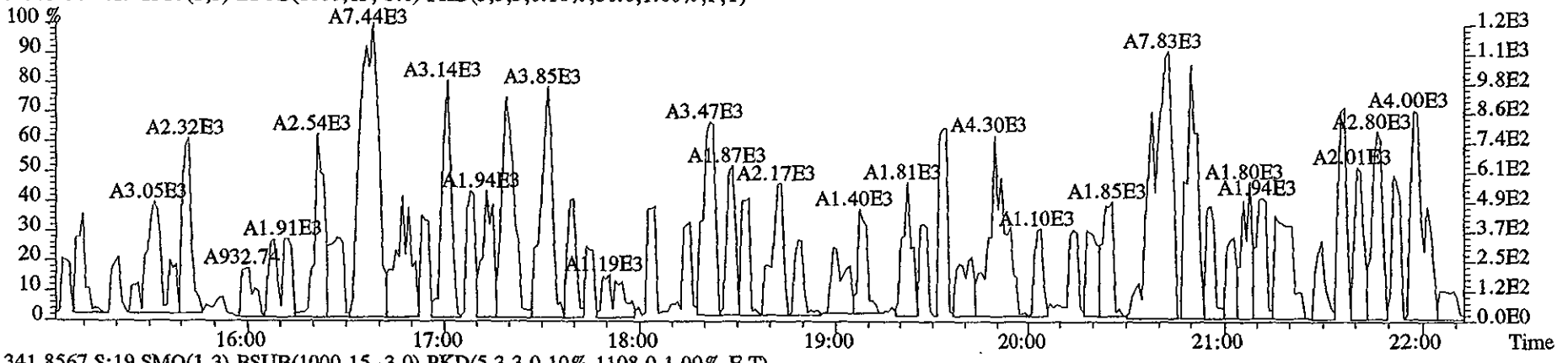
351.9000 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T)



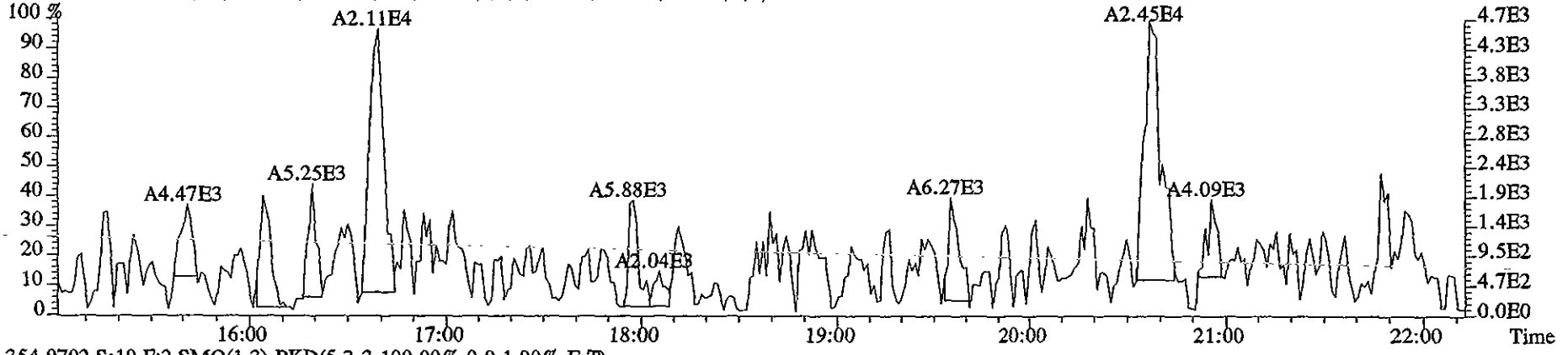
353.8970 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)



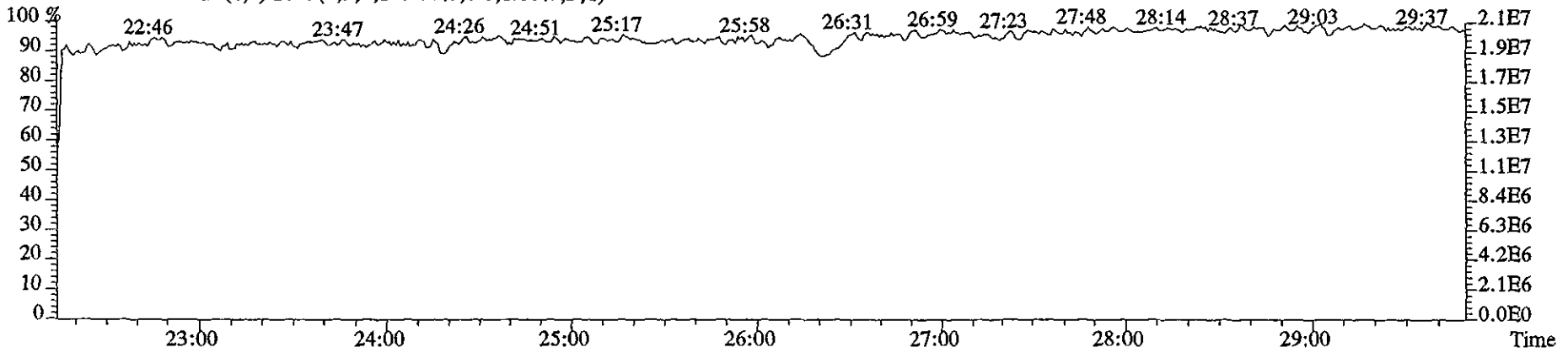
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



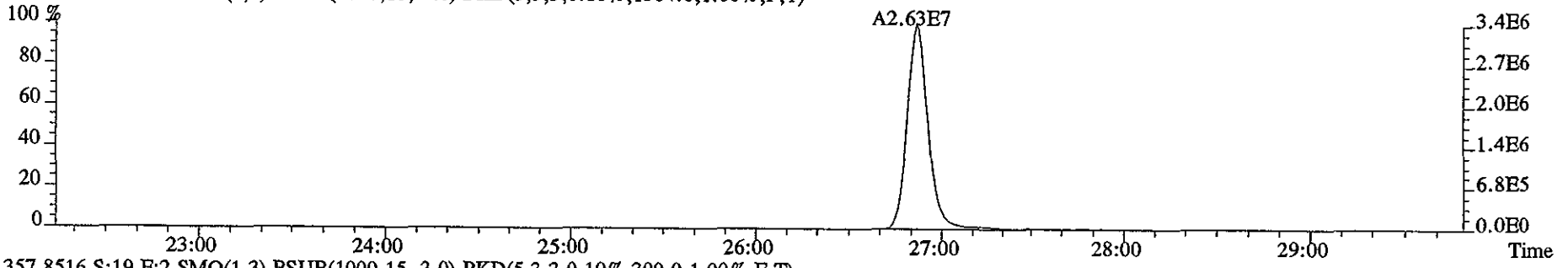
341.8567 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1108.0,1.00%,F,T)



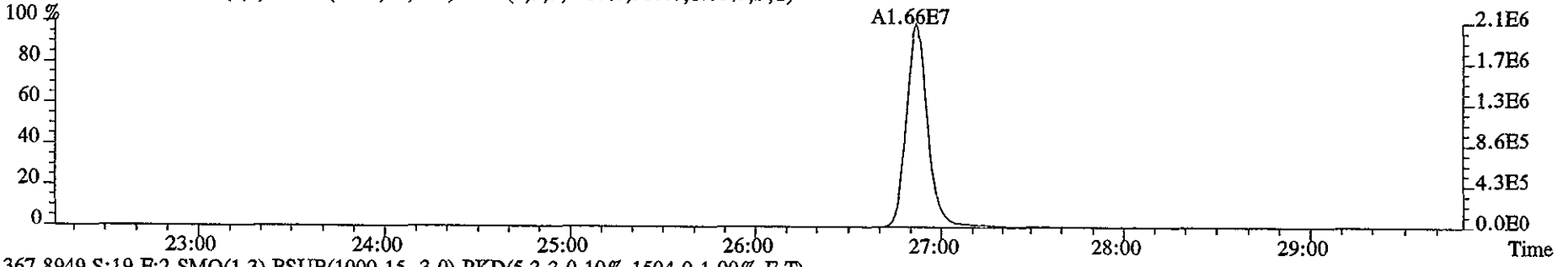
354.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



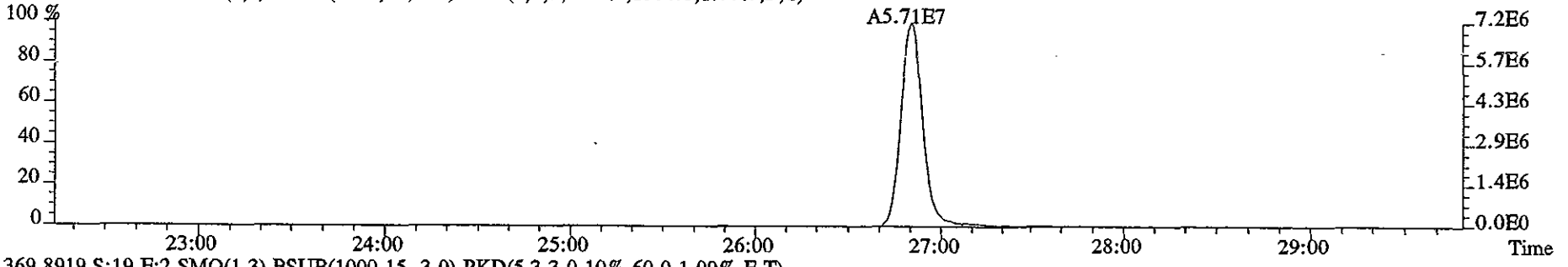
File:04MY10A4D5 #1-605 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
355.8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1584.0,1.00%,F,T)



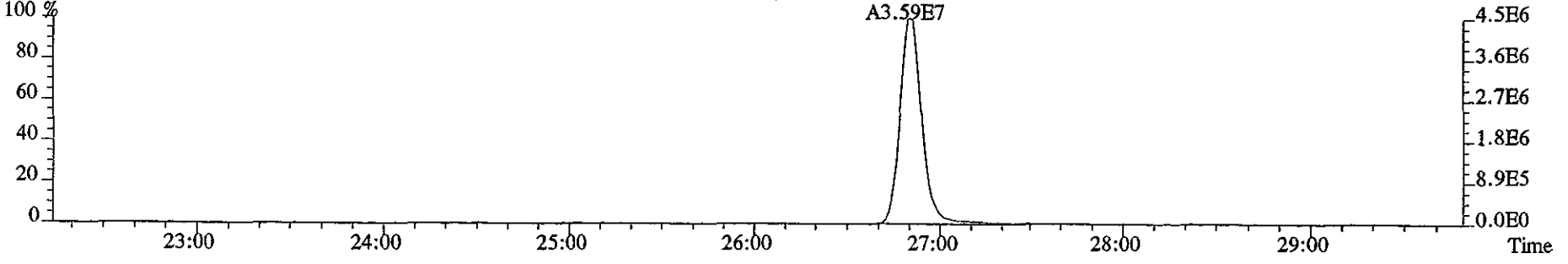
357.8516 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,300.0,1.00%,F,T)



367.8949 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1504.0,1.00%,F,T)

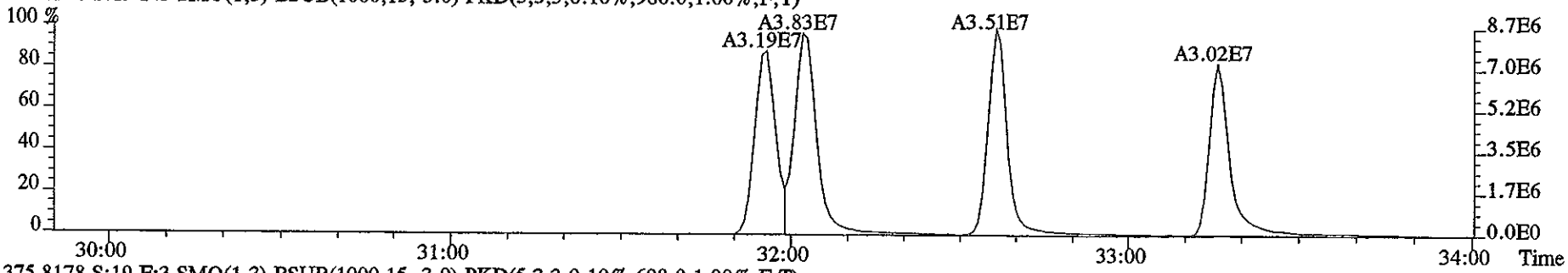


369.8919 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)

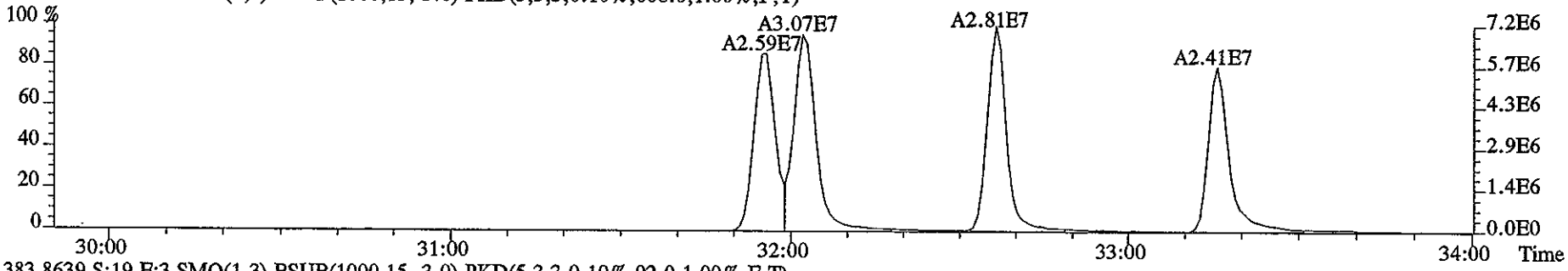


File:04MY10A4D5 #1-316 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A

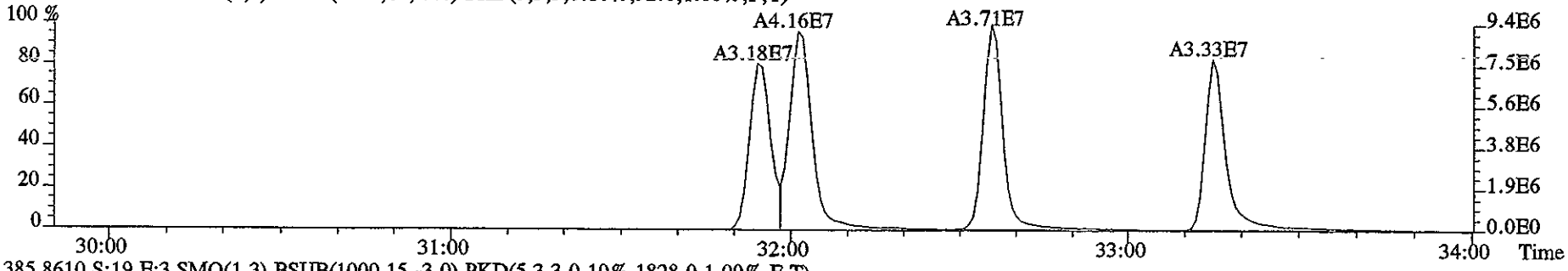
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,980.0,1.00%,F,T)



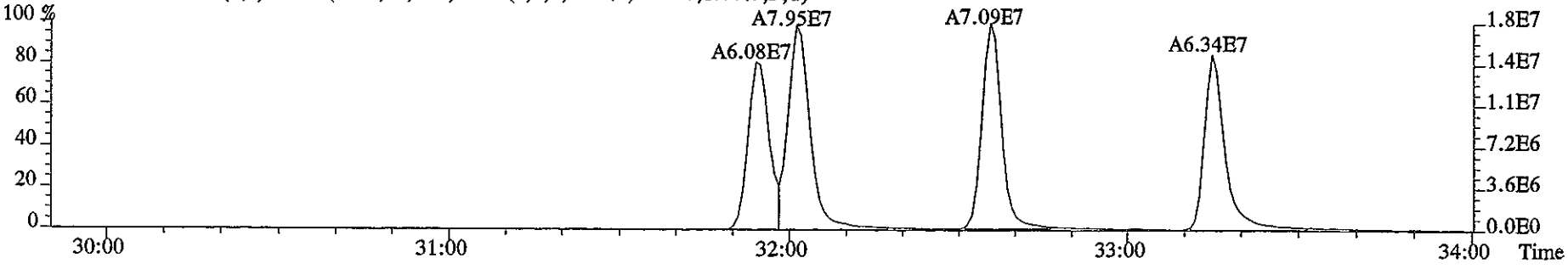
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,608.0,1.00%,F,T)



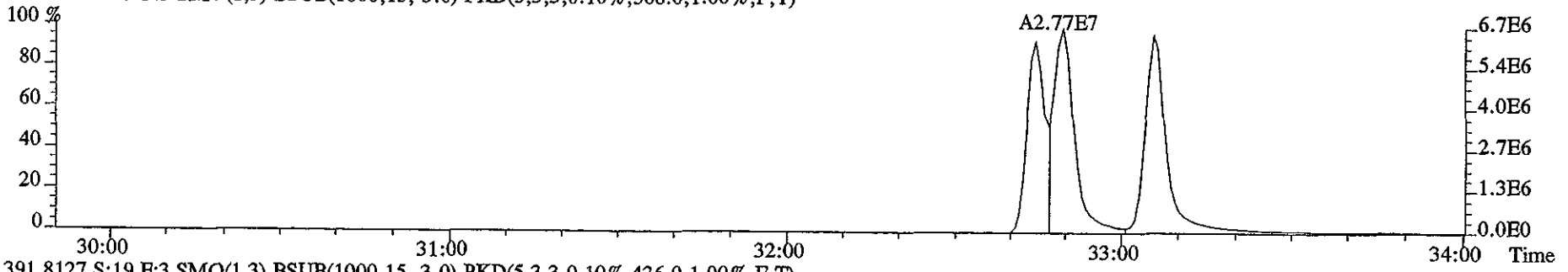
383.8639 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)



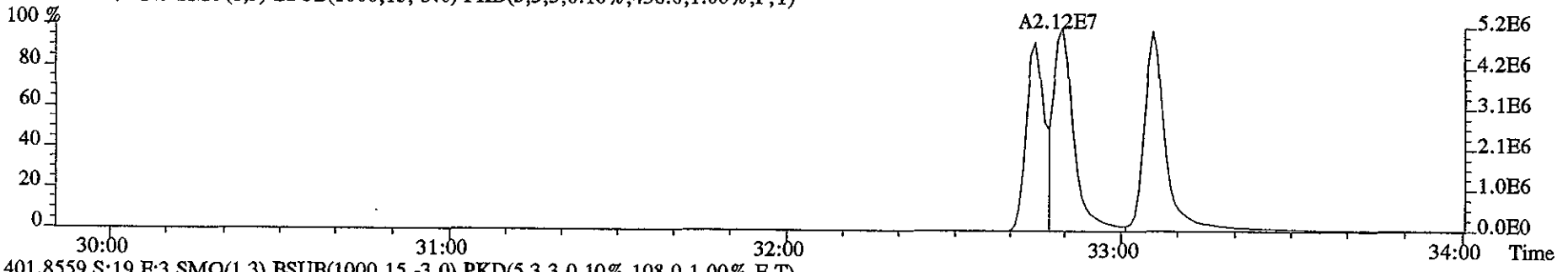
385.8610 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1828.0,1.00%,F,T)



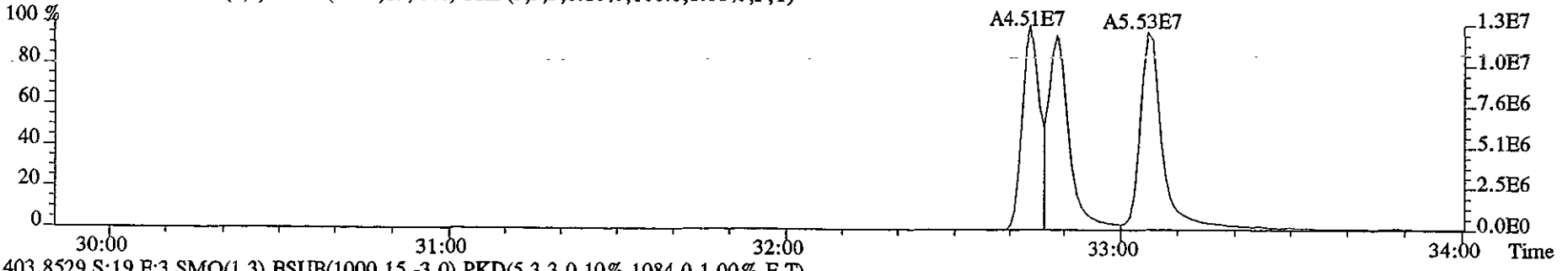
File:04MY10A4D5 #1-316 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
389.8157 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,508.0,1.00%,F,T)



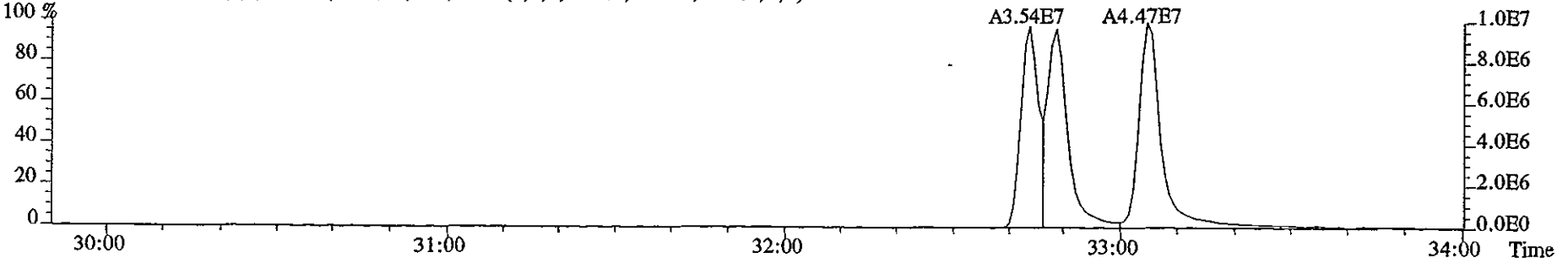
391.8127 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,436.0,1.00%,F,T)



401.8559 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)

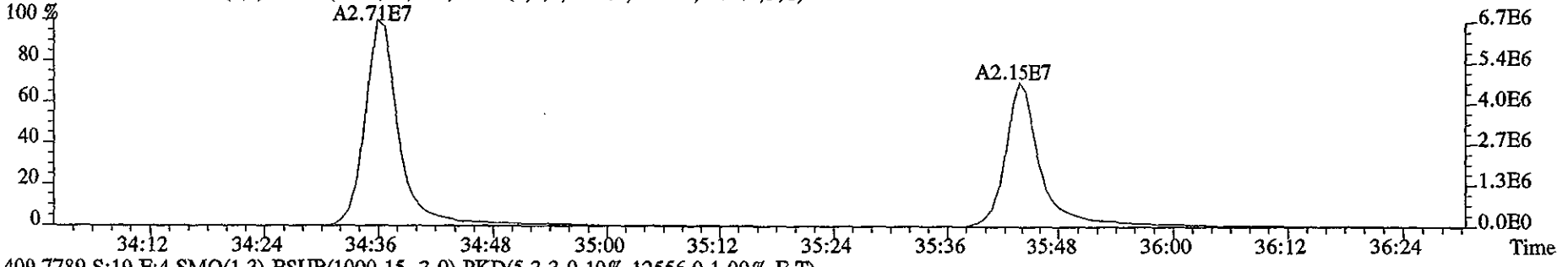


403.8529 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)

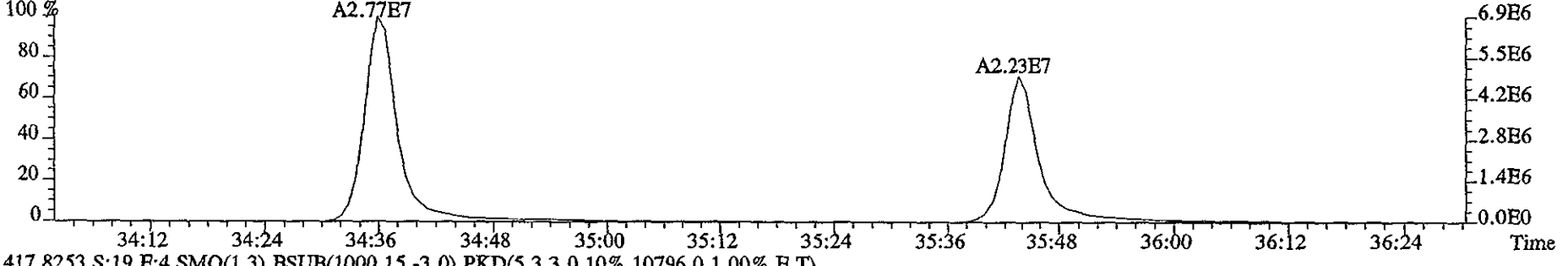


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A

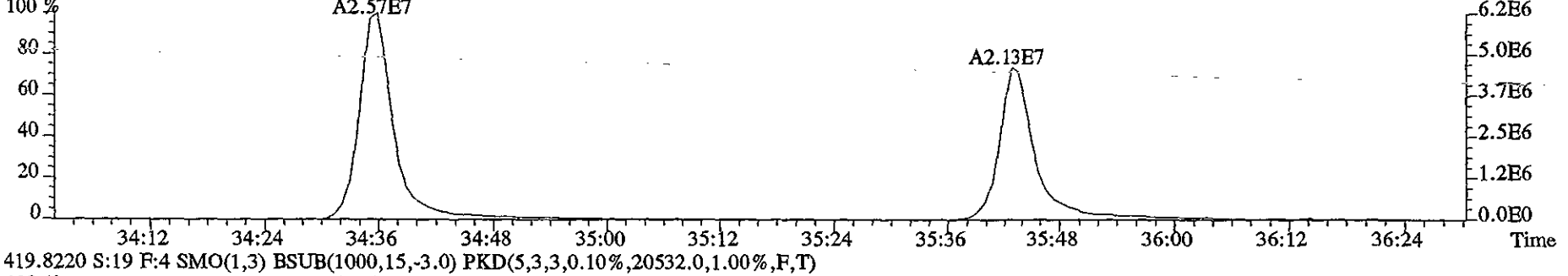
407.7818 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7992.0,1.00%,F,T)



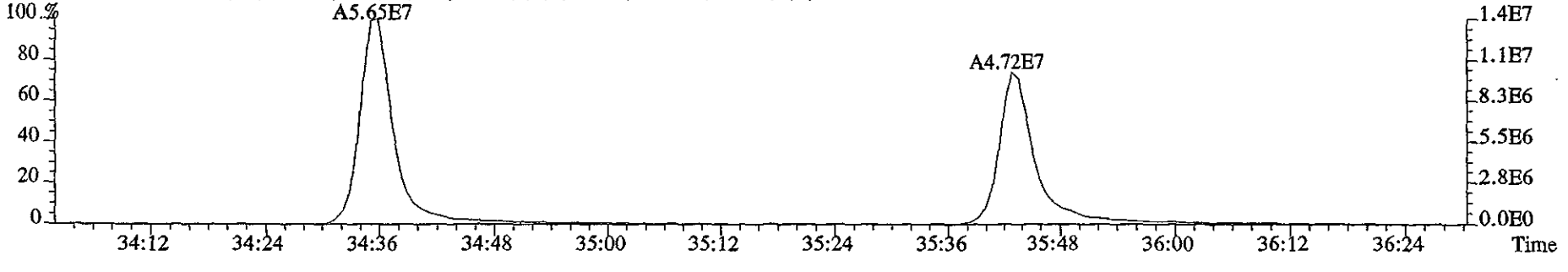
409.7789 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12556.0,1.00%,F,T)



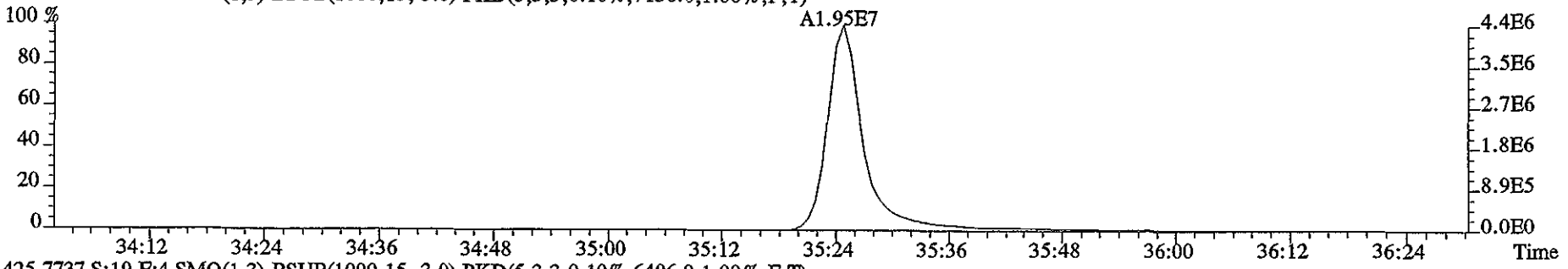
417.8253 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10796.0,1.00%,F,T)



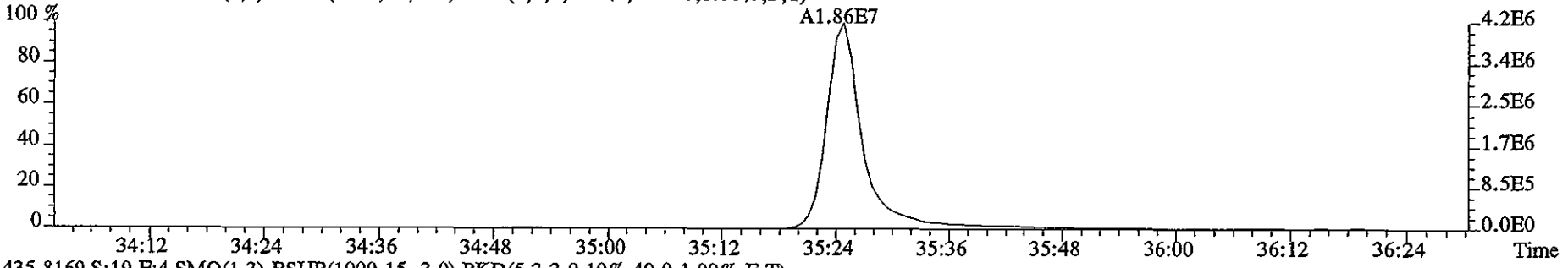
419.8220 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20532.0,1.00%,F,T)



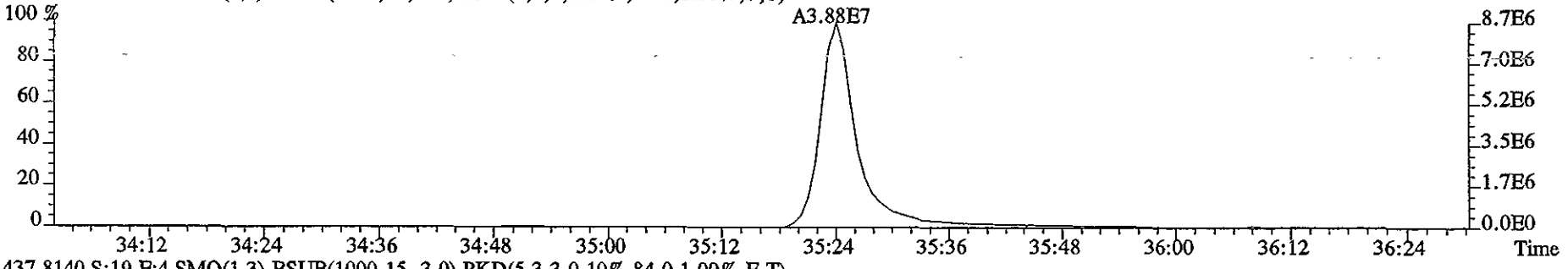
File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
423.7766 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7136.0,1.00%,F,T)



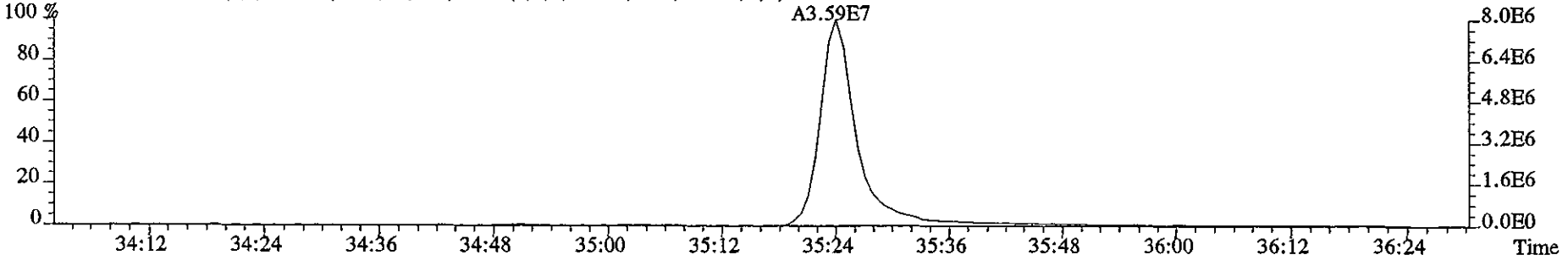
425.7737 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6496.0,1.00%,F,T)



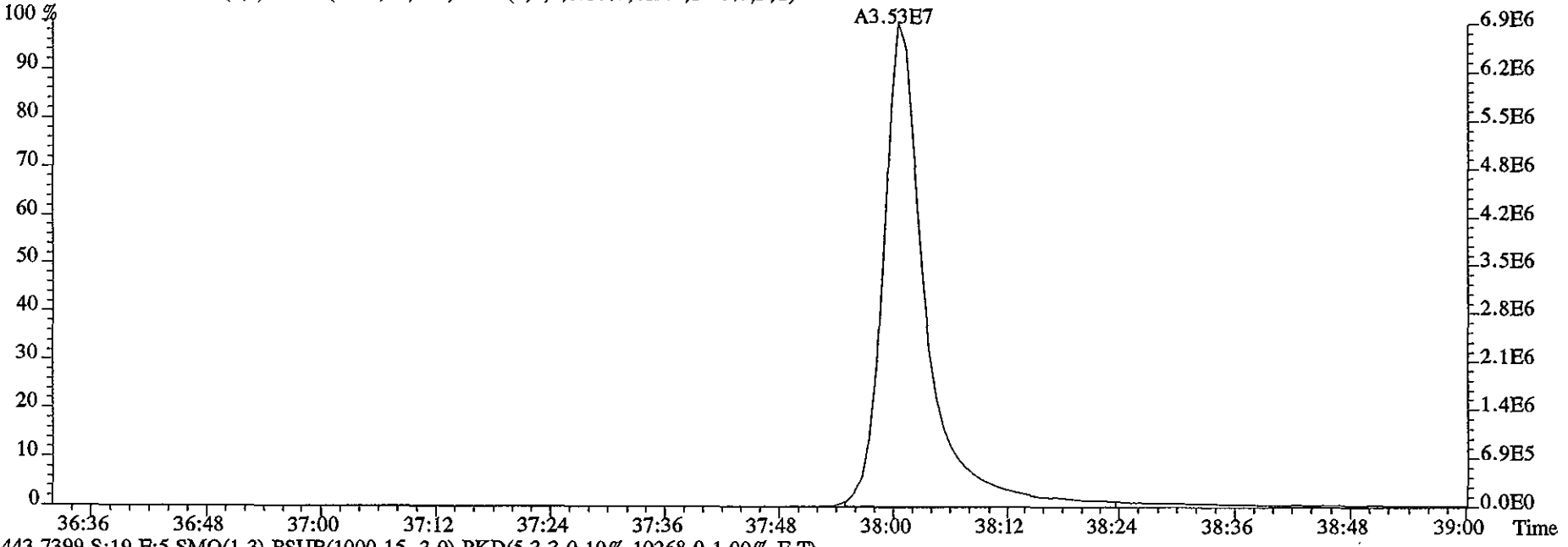
435.8169 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40.0,1.00%,F,T)



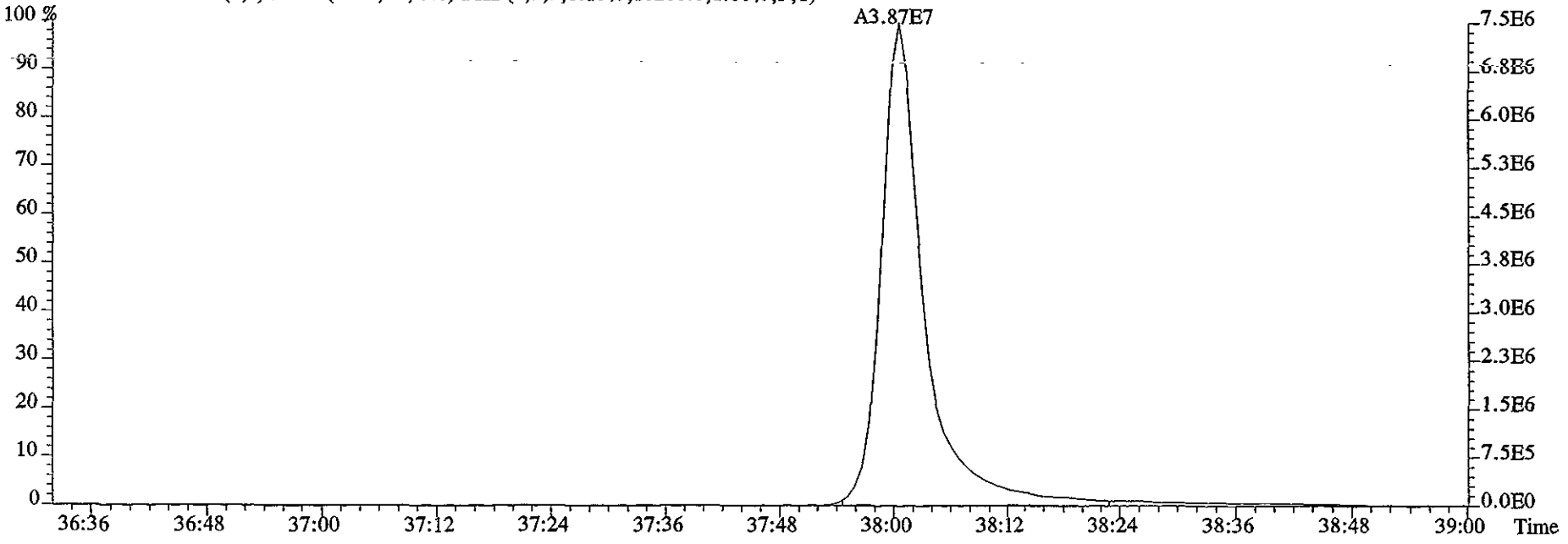
437.8140 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



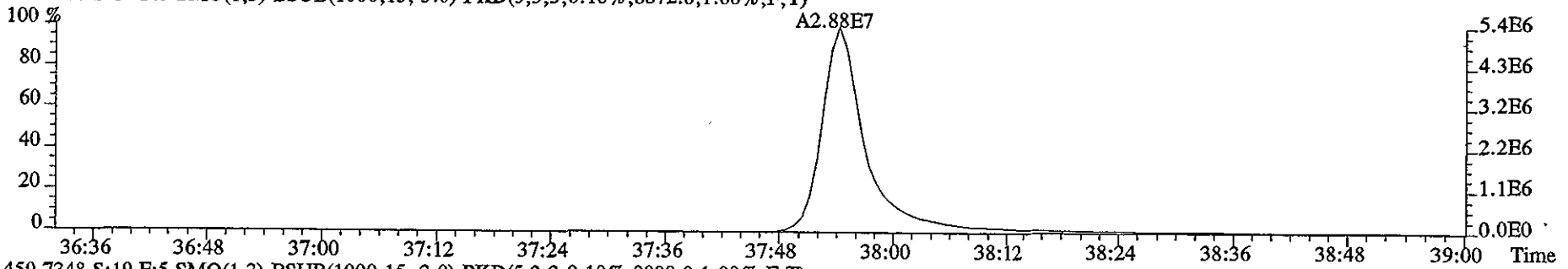
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,412.0,1.00%,F,T)



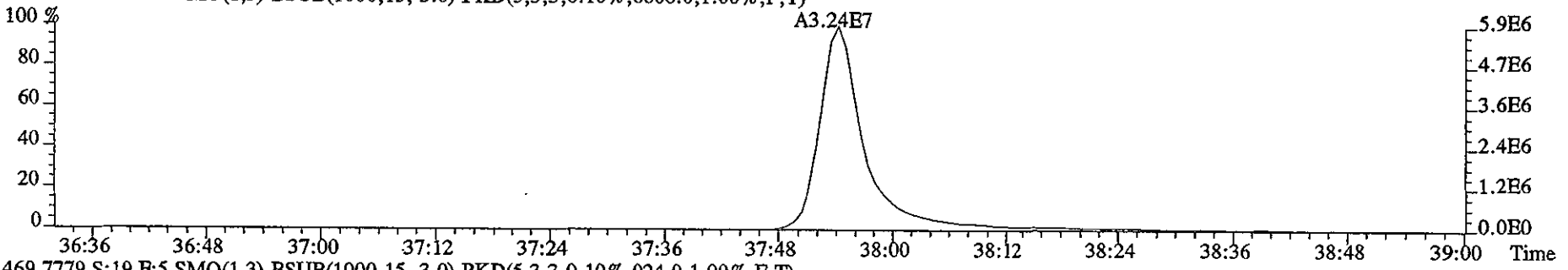
443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10268.0,1.00%,F,T)



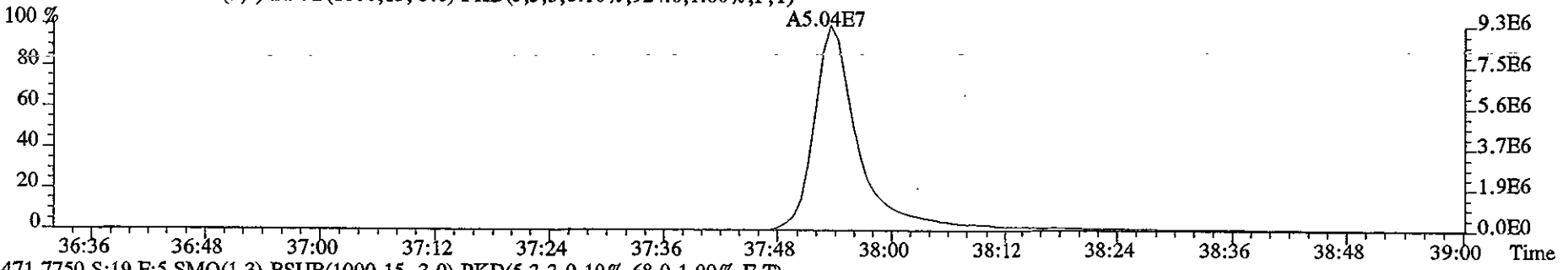
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8872.0,1.00%,F,T)



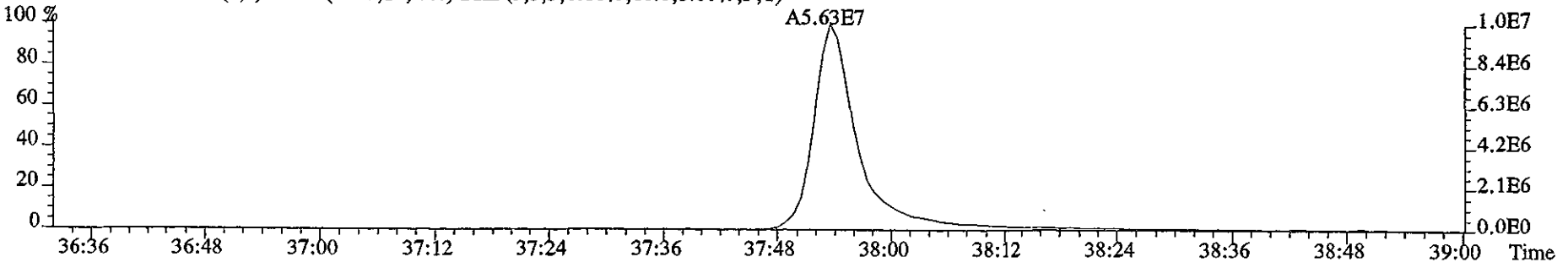
459.7348 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8808.0,1.00%,F,T)



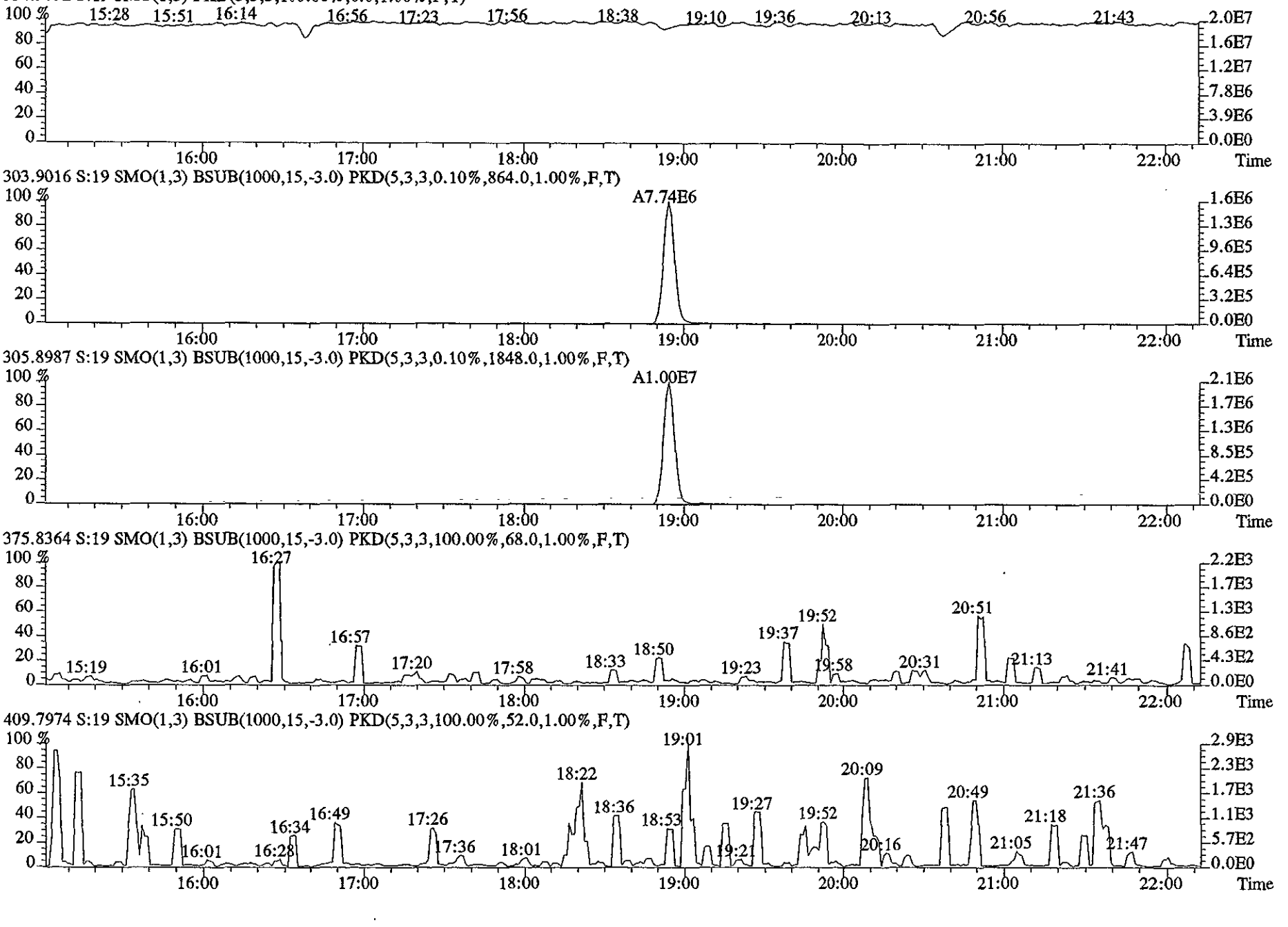
469.7779 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,924.0,1.00%,F,T)



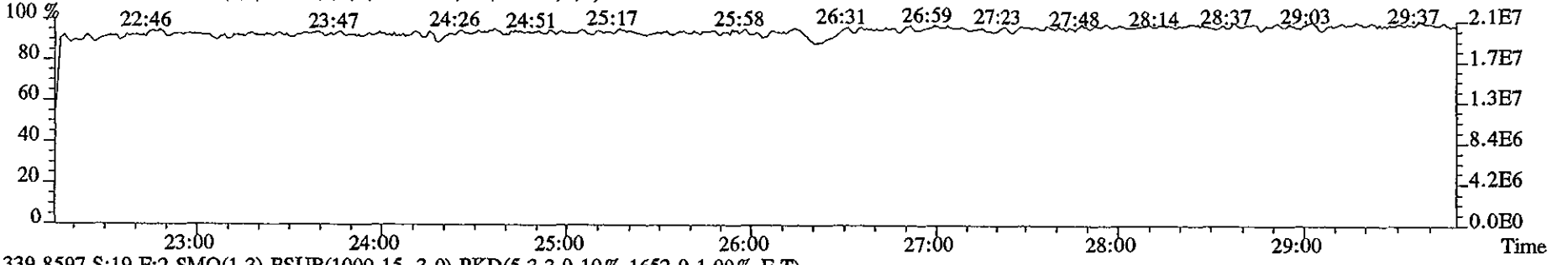
471.7750 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



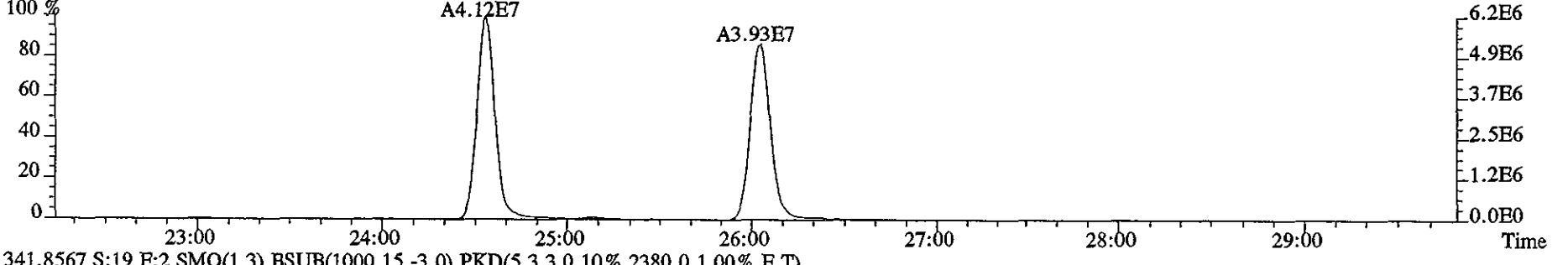
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A



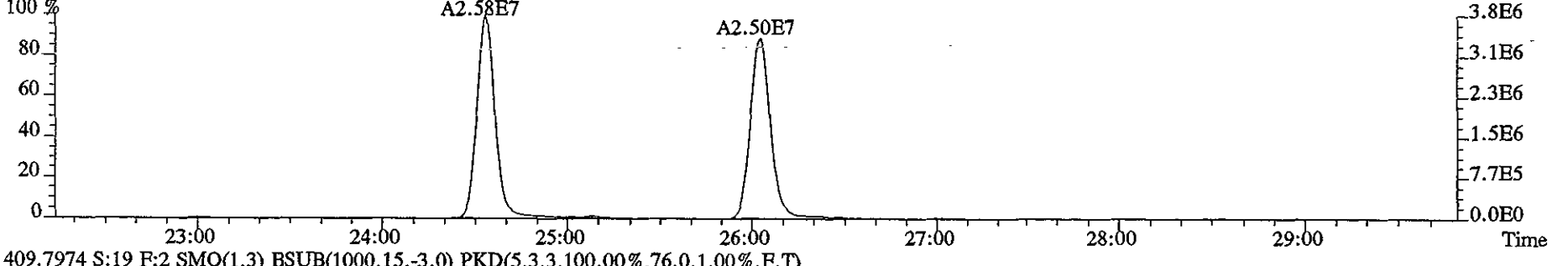
File:04MY10A4D5 #1-605 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
354.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



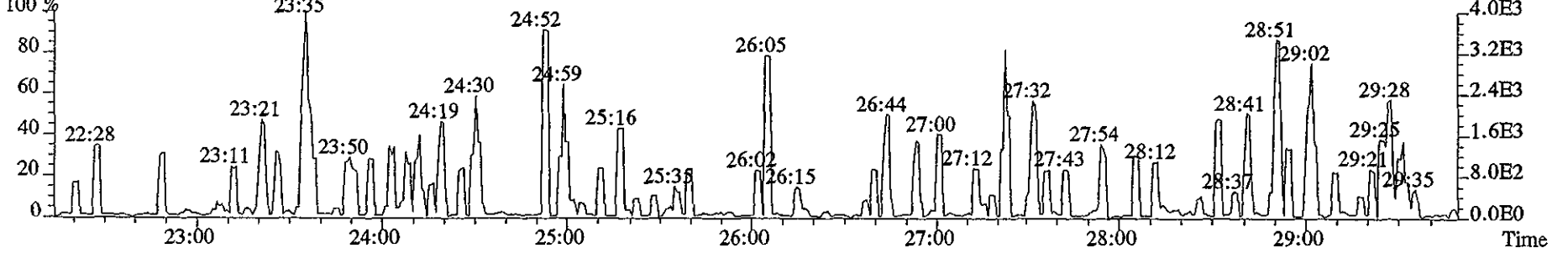
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



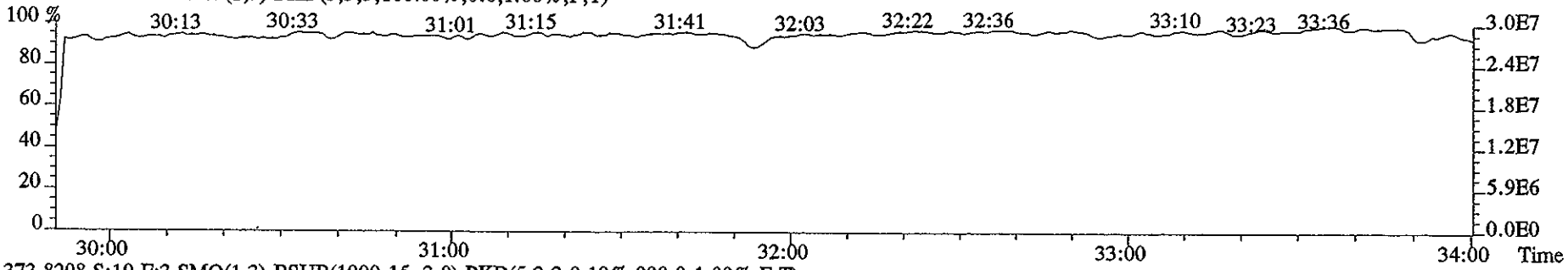
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2380.0,1.00%,F,T)



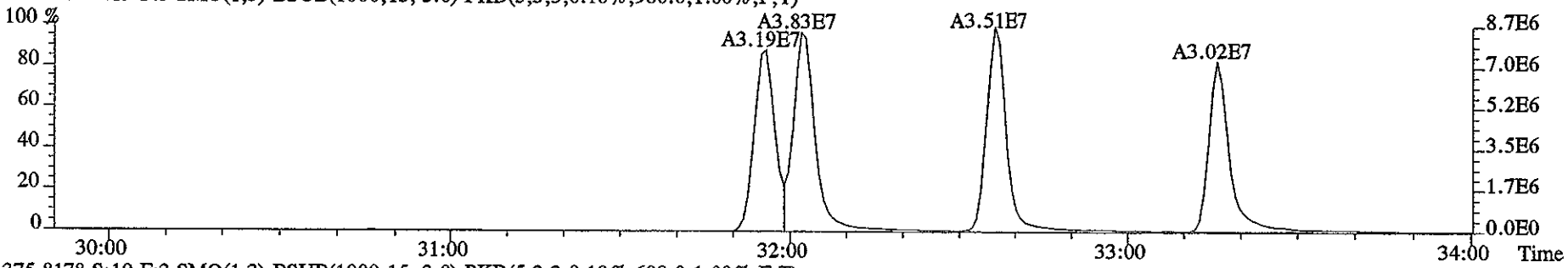
409.7974 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,76.0,1.00%,F,T)



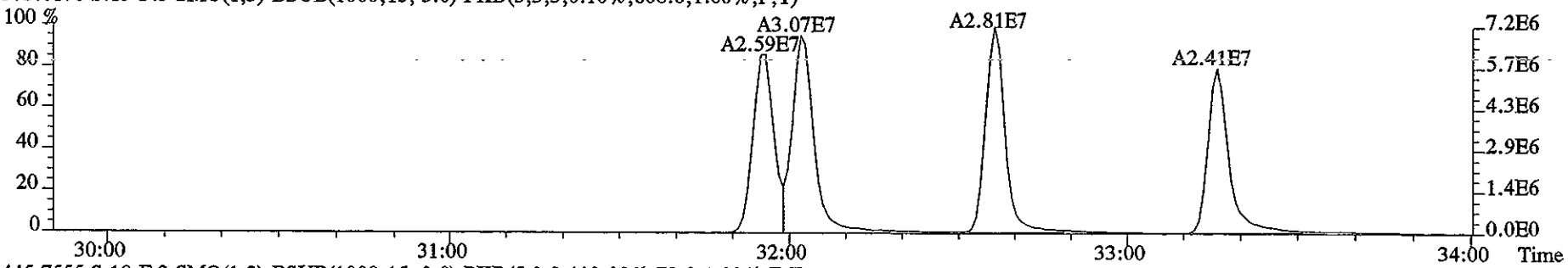
File:04MY10A4D5 #1-316 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
430.9728 S:19 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



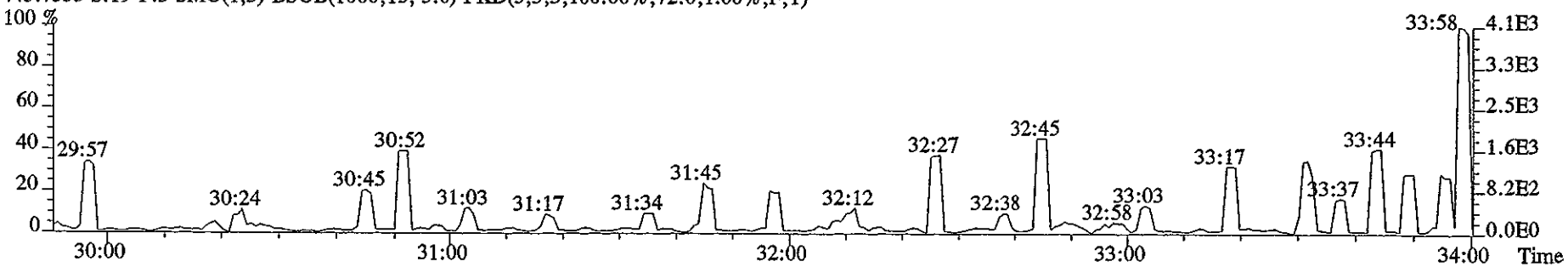
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,980.0,1.00%,F,T)



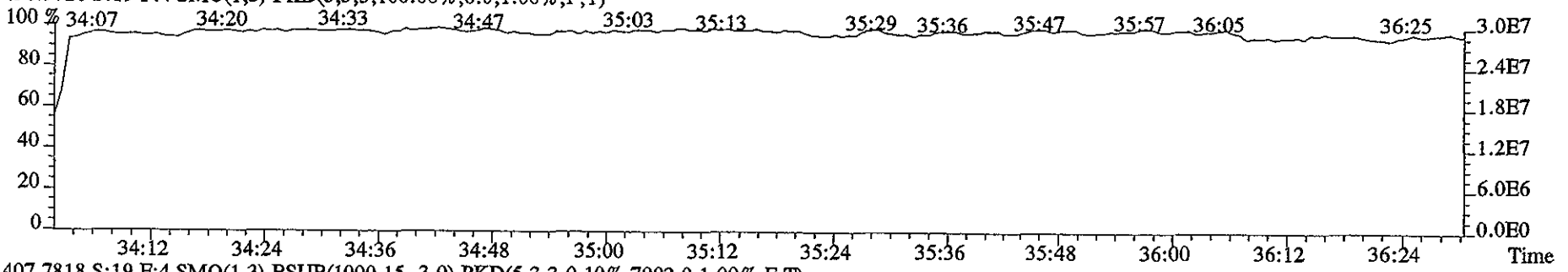
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,608.0,1.00%,F,T)

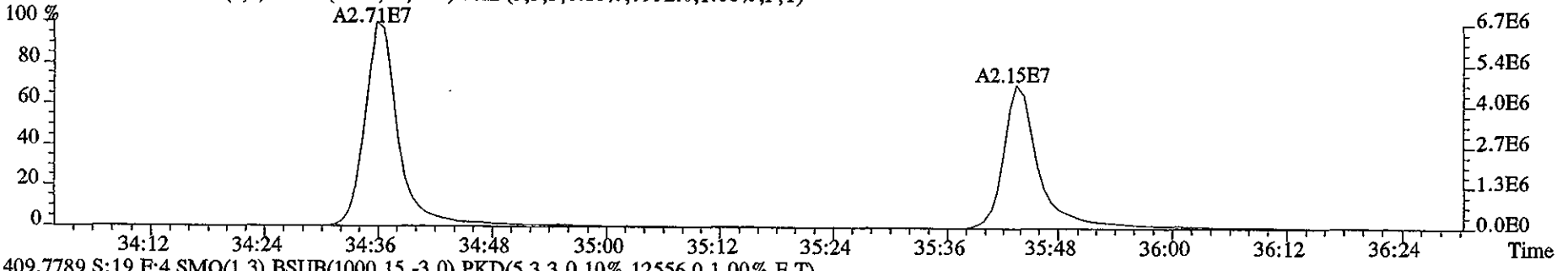


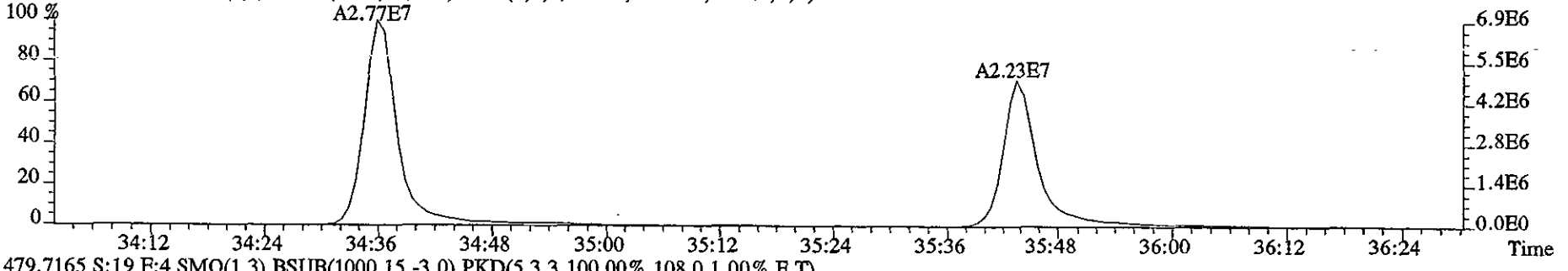
445.7555 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)

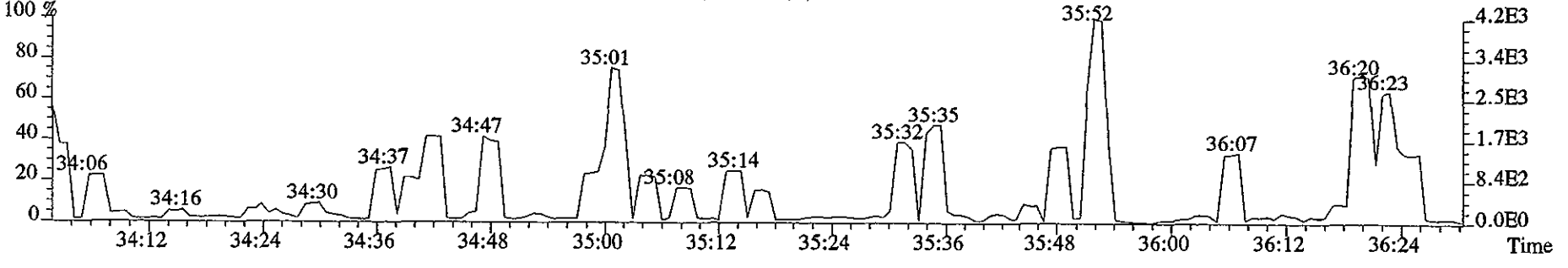


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A

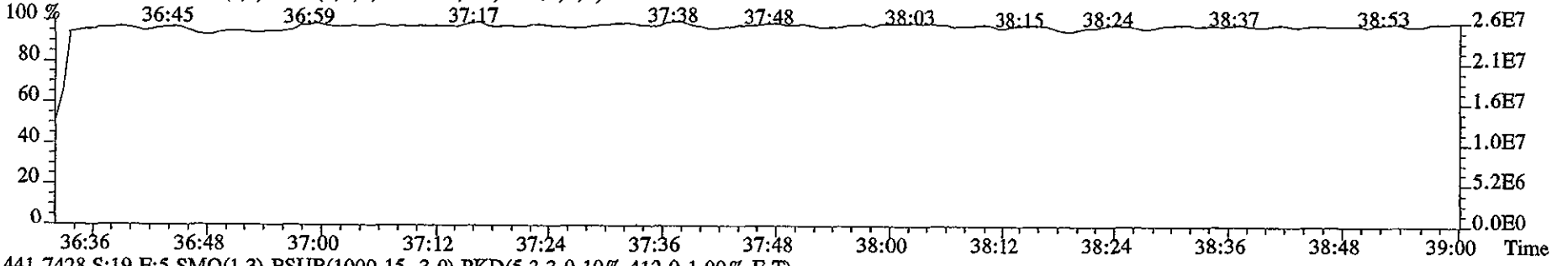




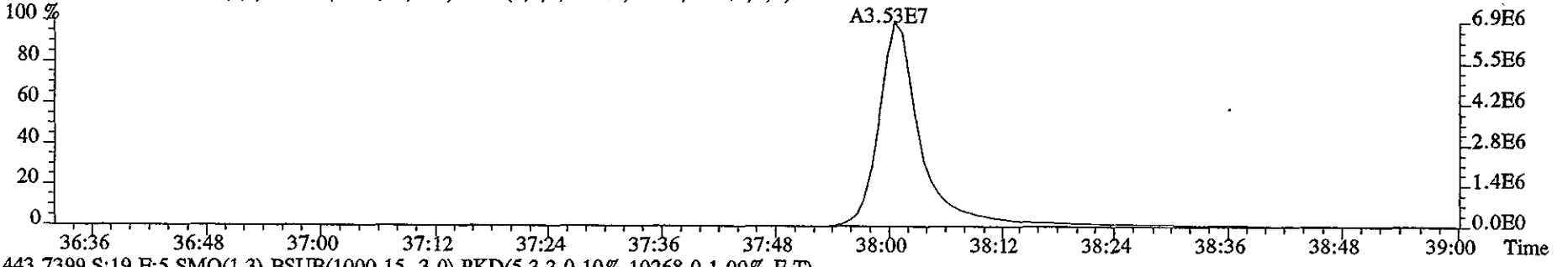




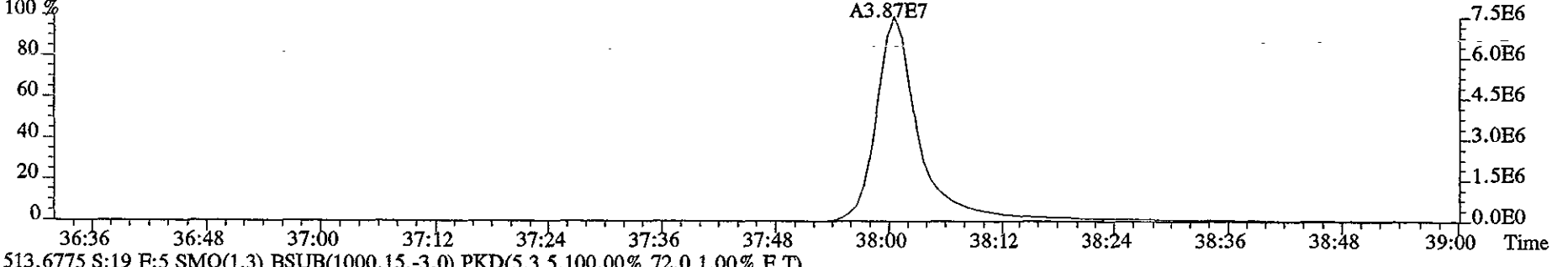
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 11:57:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0504C :CS3 10DXN083 Exp:DIOXINRES8290A
442.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



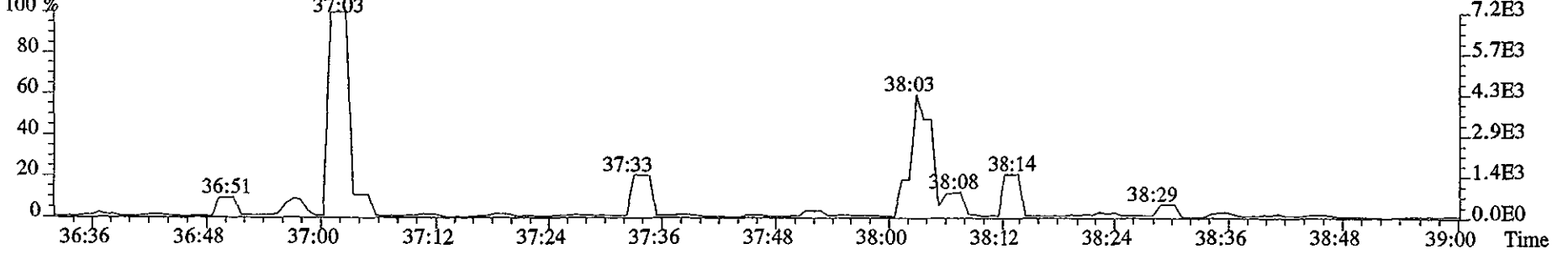
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,412.0,1.00%,F,T)



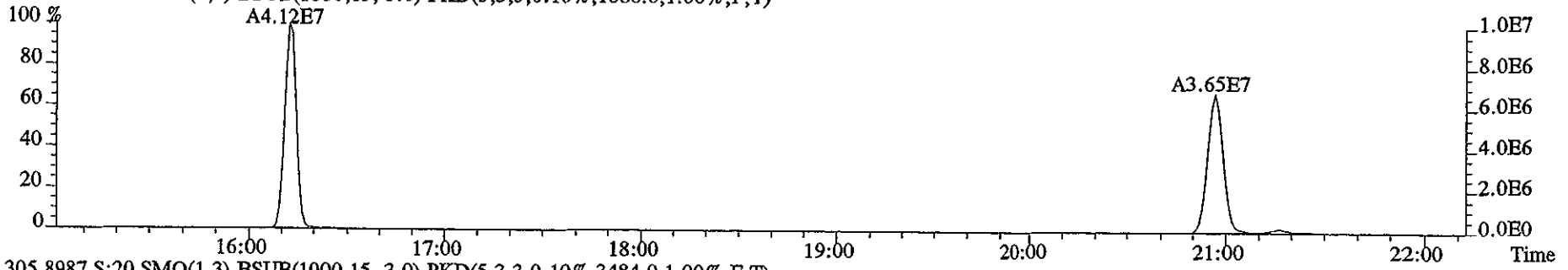
443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10268.0,1.00%,F,T)

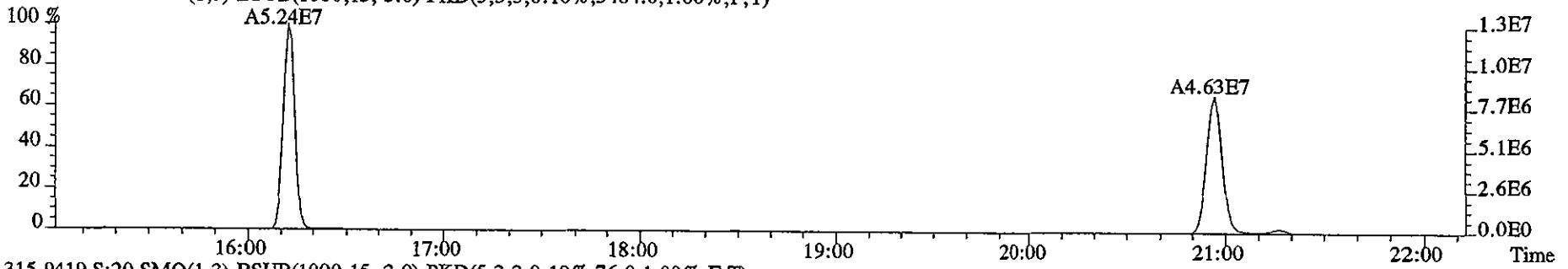


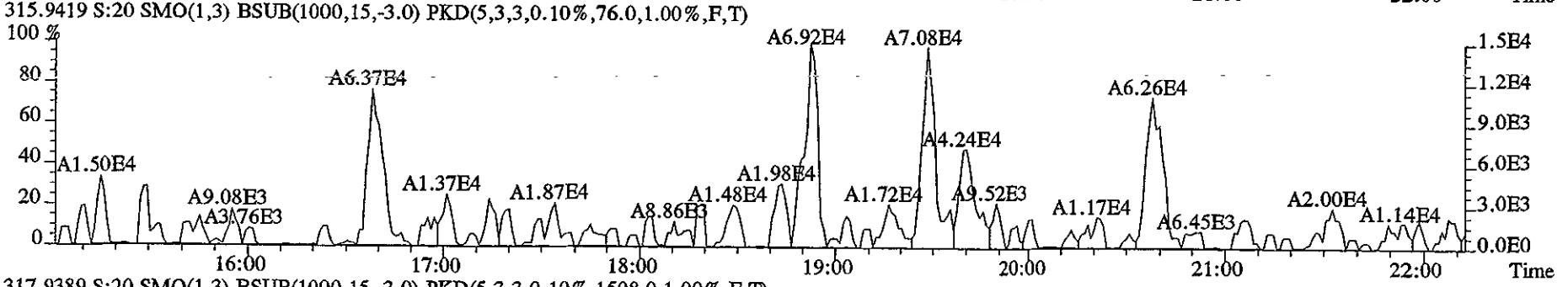
513.6775 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,72.0,1.00%,F,T)

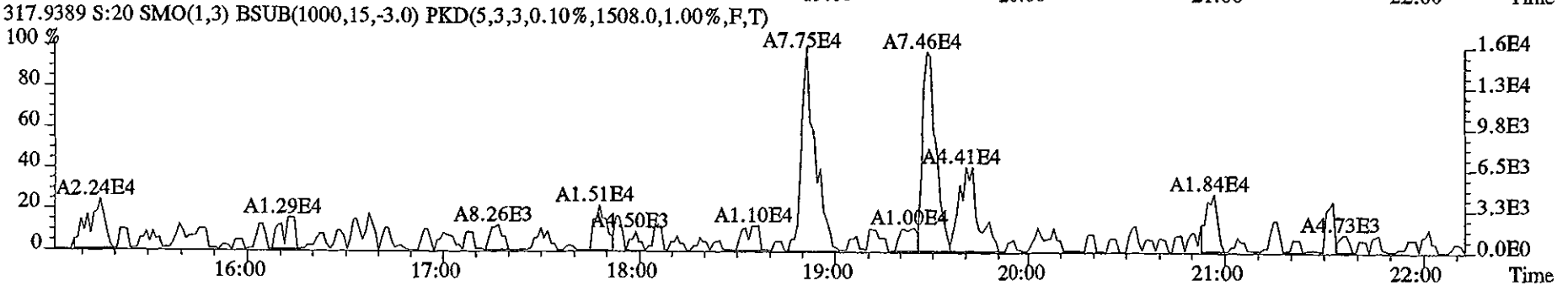


File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

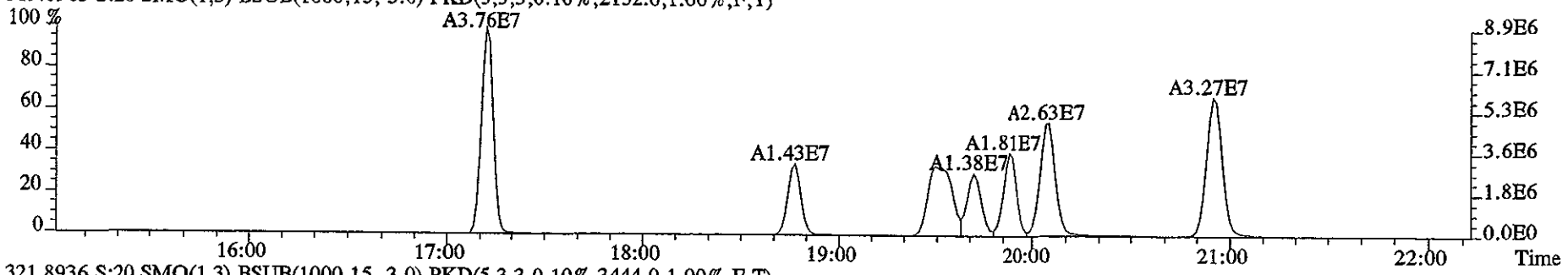


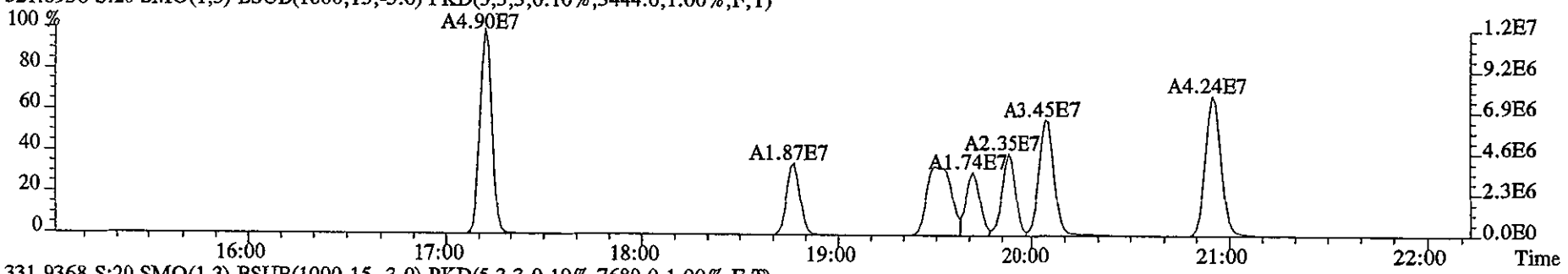


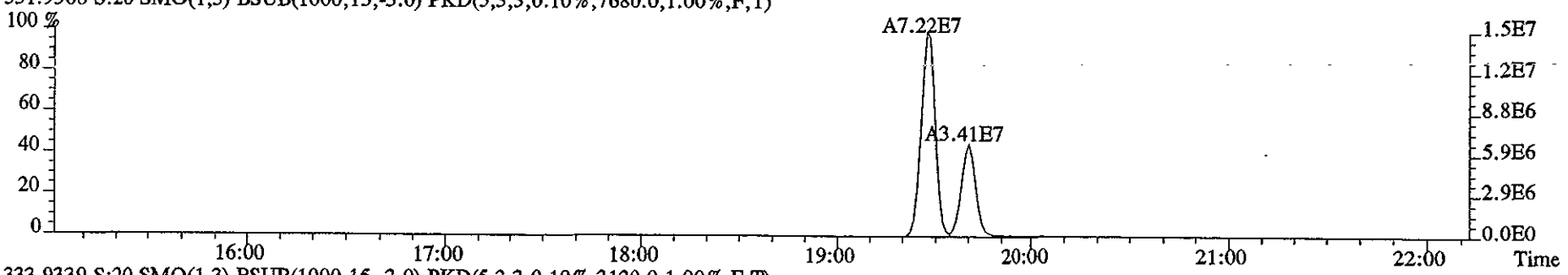


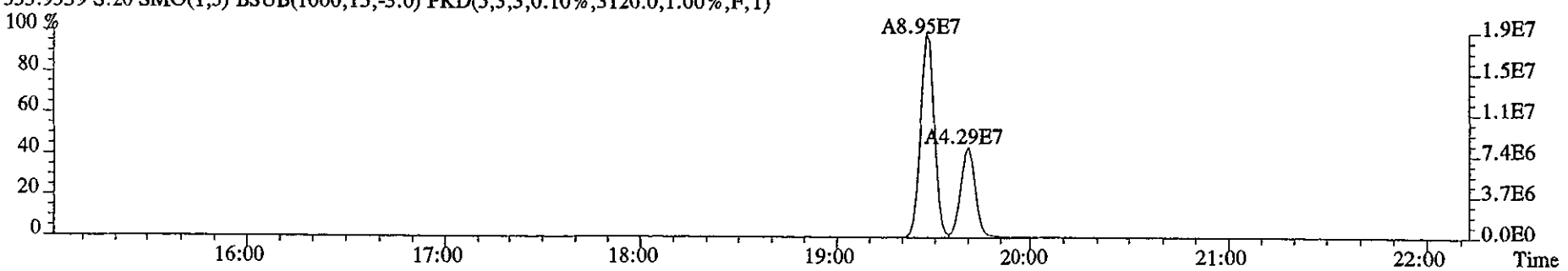


File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

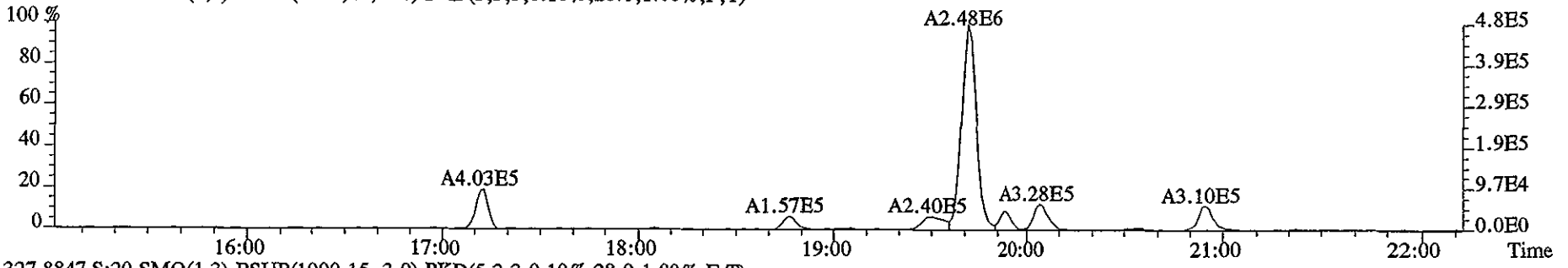


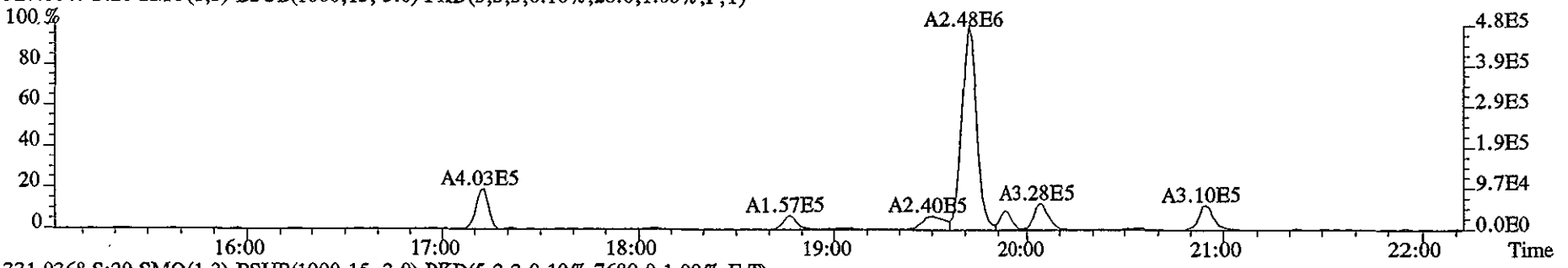


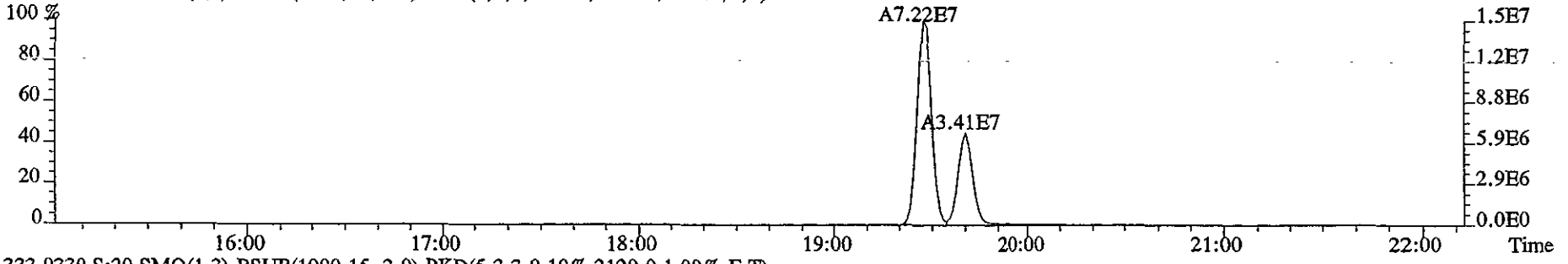


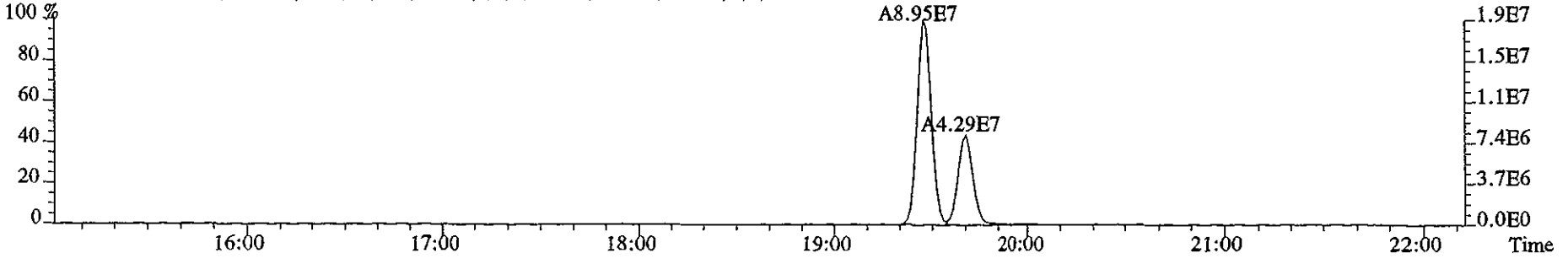


File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



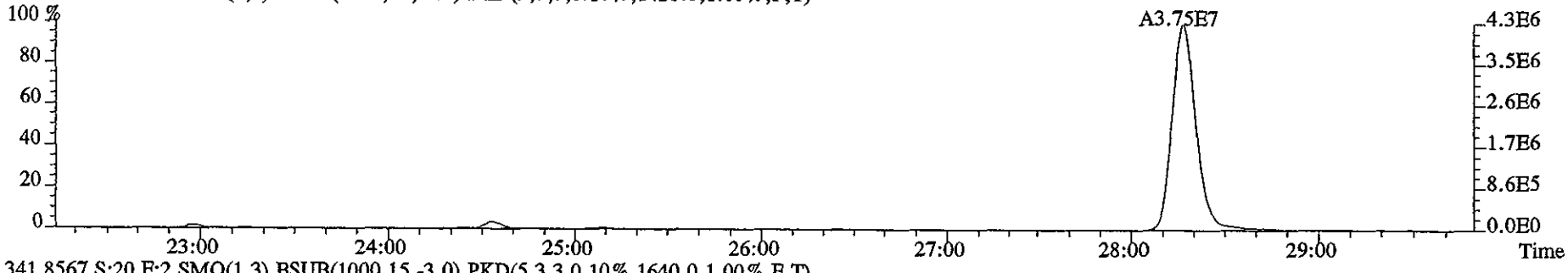




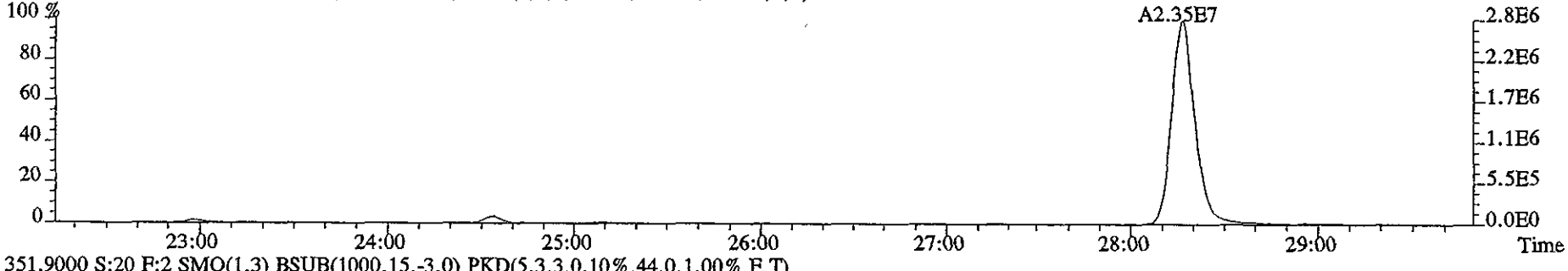


File:04MY10A4D5 #1-605 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

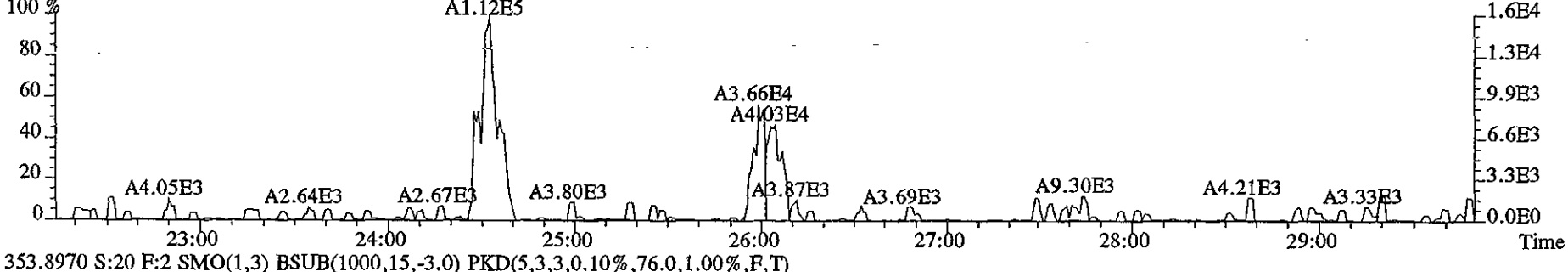
339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1428.0,1.00%,F,T)



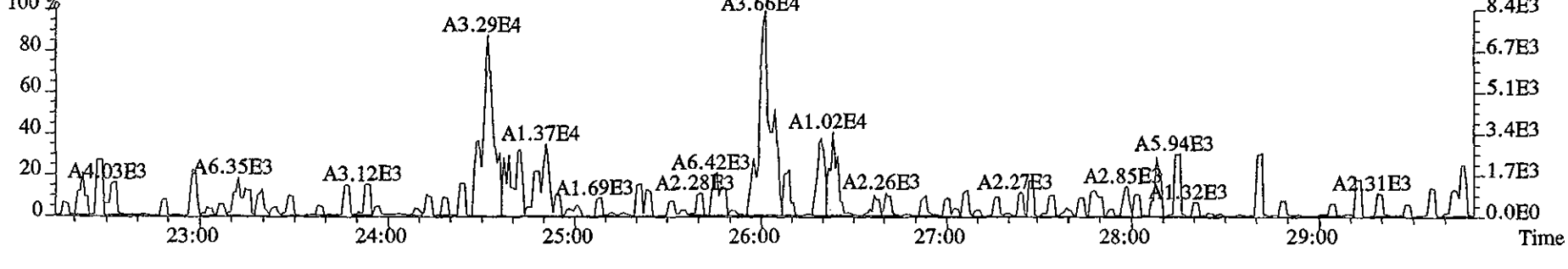
341.8567 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1640.0,1.00%,F,T)



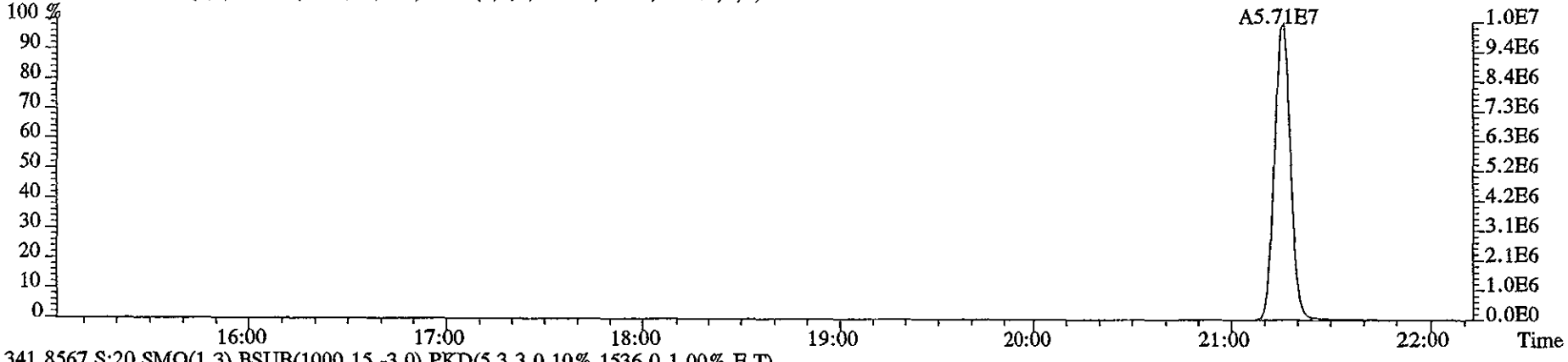
351.9000 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)



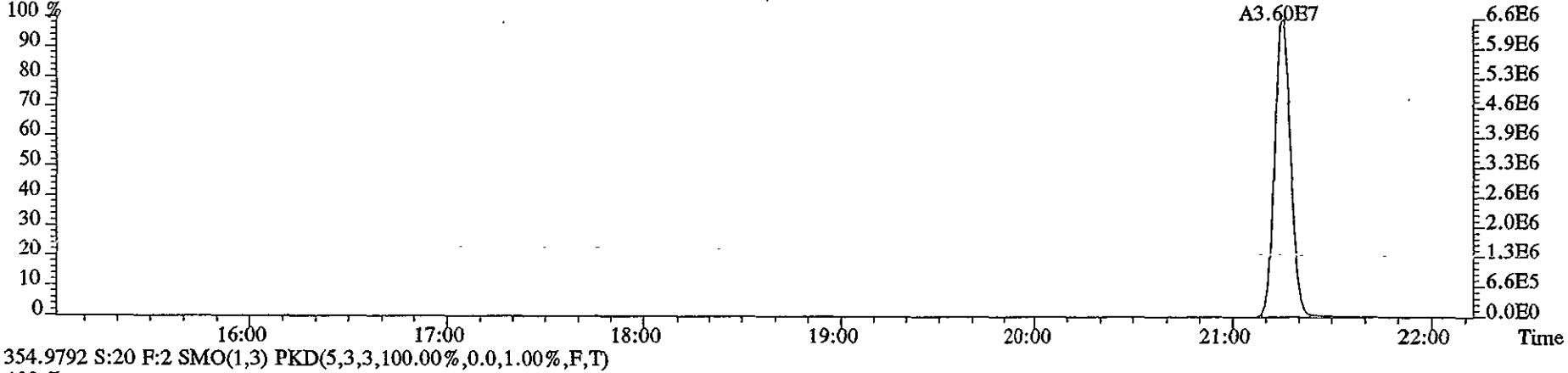
353.8970 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



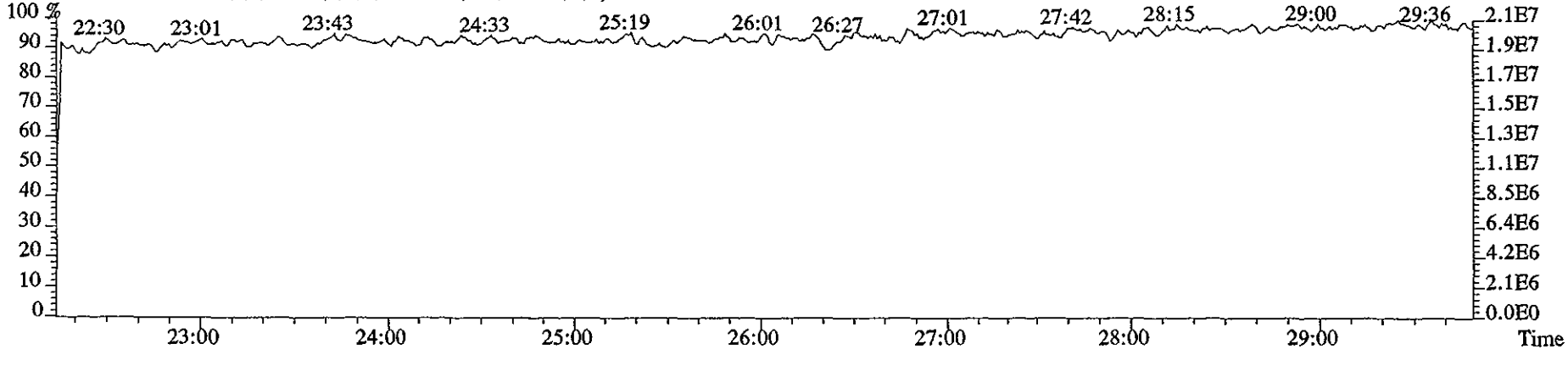
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,632.0,1.00%,F,T)



341.8567 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1536.0,1.00%,F,T)

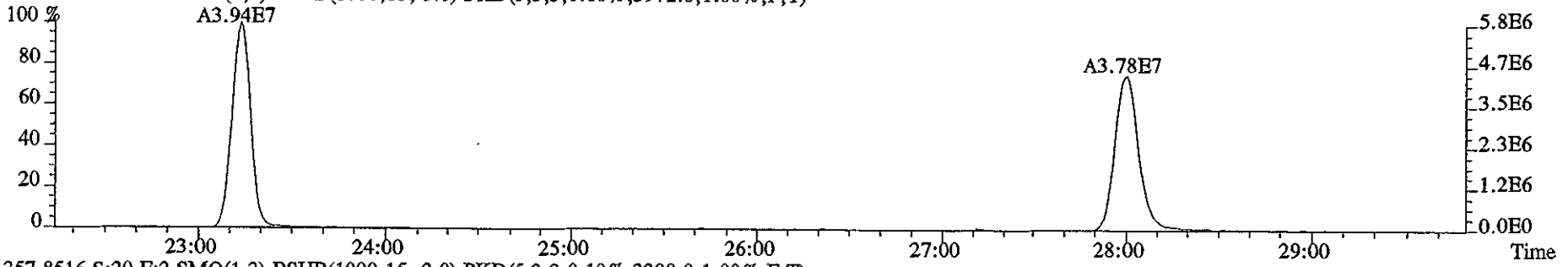


354.9792 S:20 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

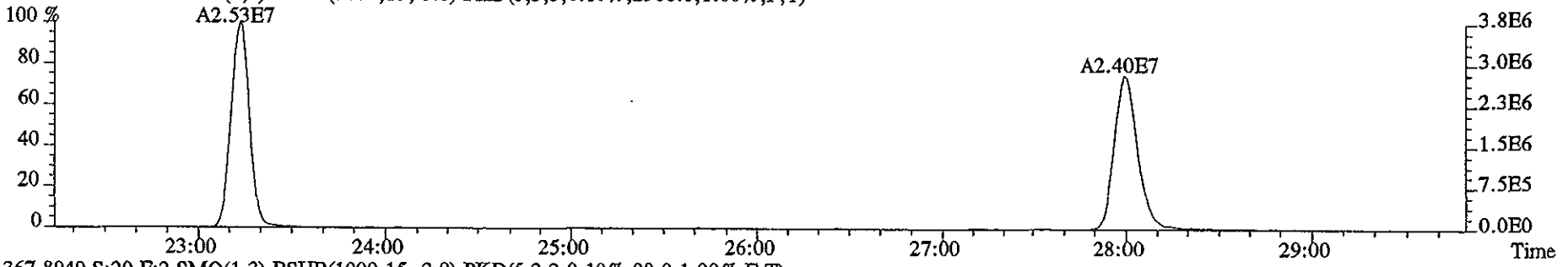


File:04MY10A4D5 #1-605 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

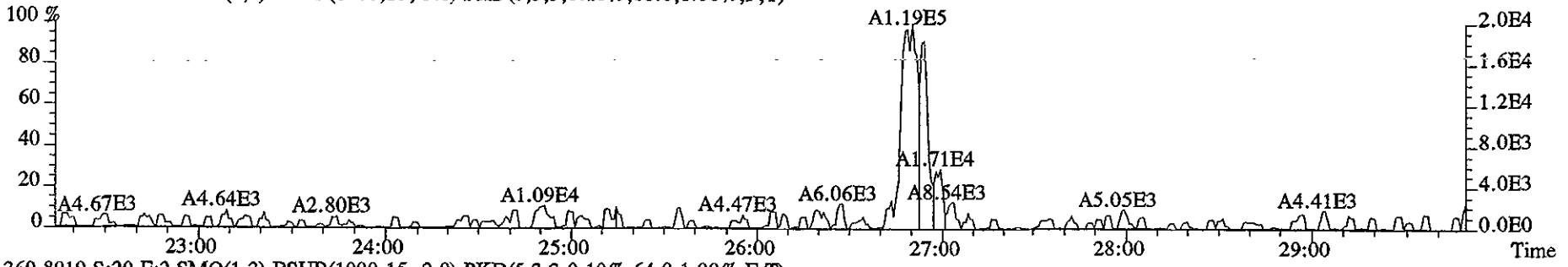
355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3972.0,1.00%,F,T)



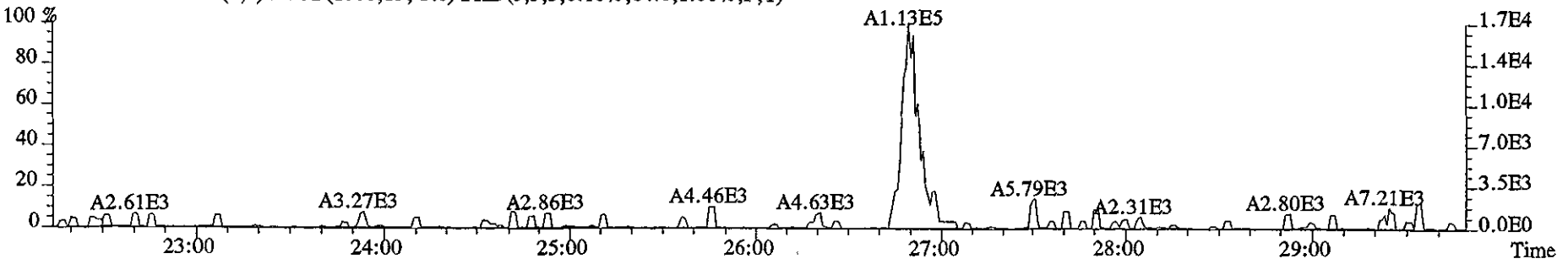
357.8516 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2308.0,1.00%,F,T)



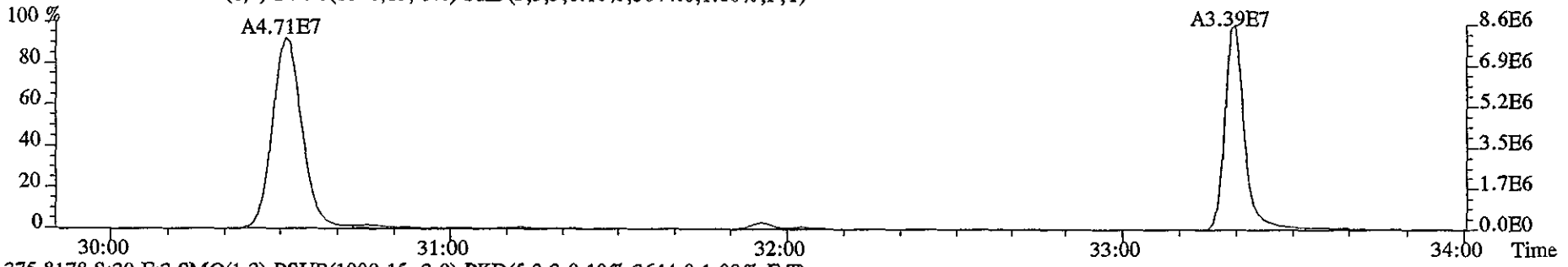
367.8949 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



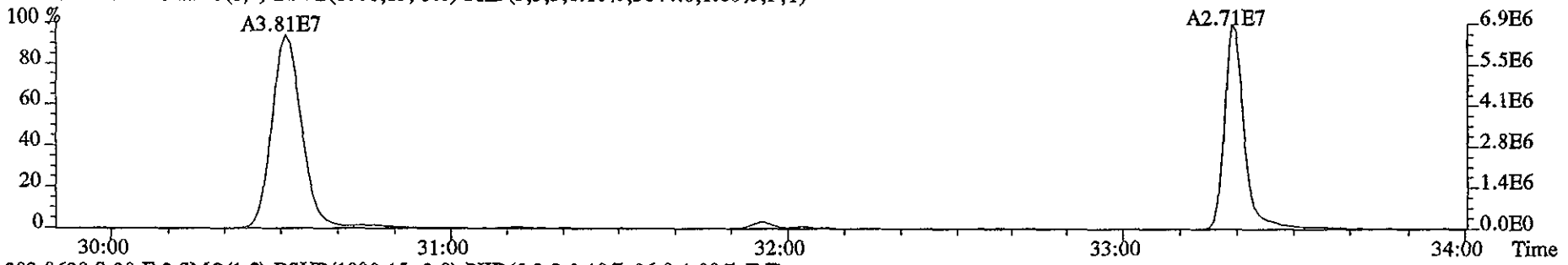
369.8919 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



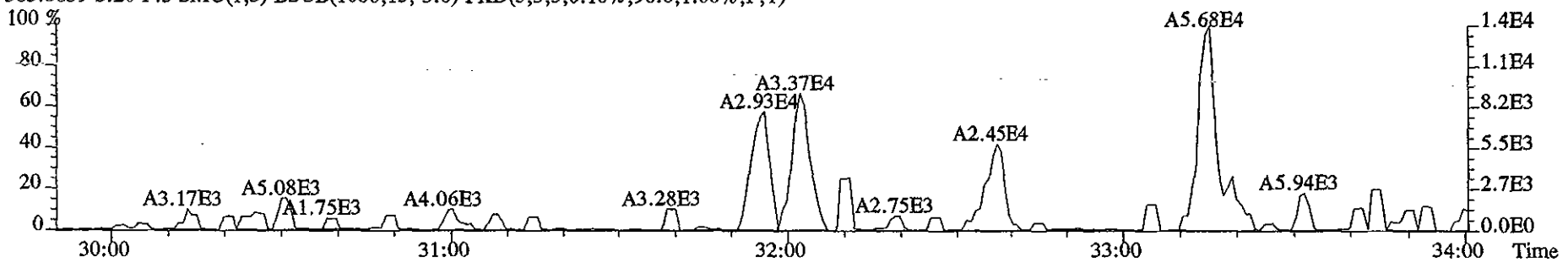
File:04MY10A4D5 #1-316 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5844.0,1.00%,F,T)



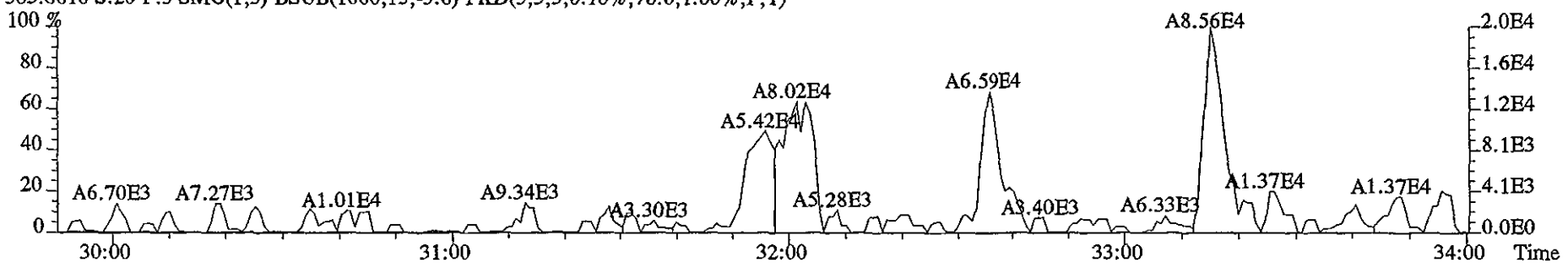
375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3644.0,1.00%,F,T)



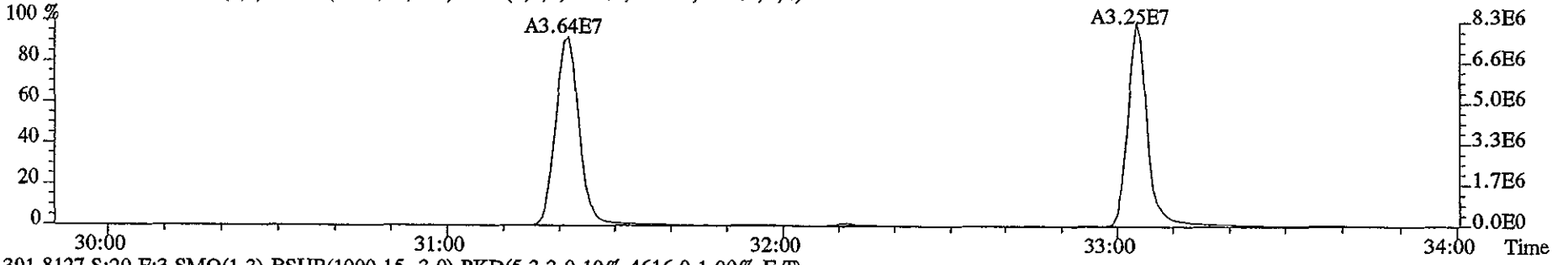
383.8639 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)

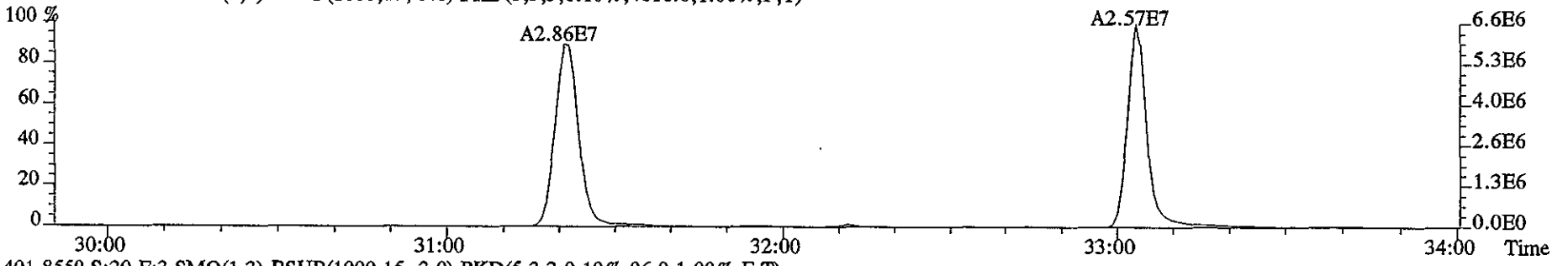


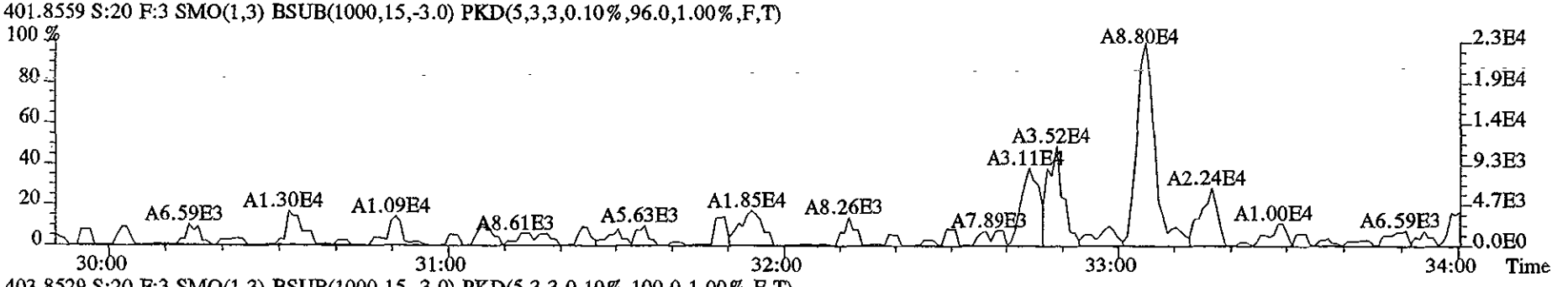
385.8610 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)

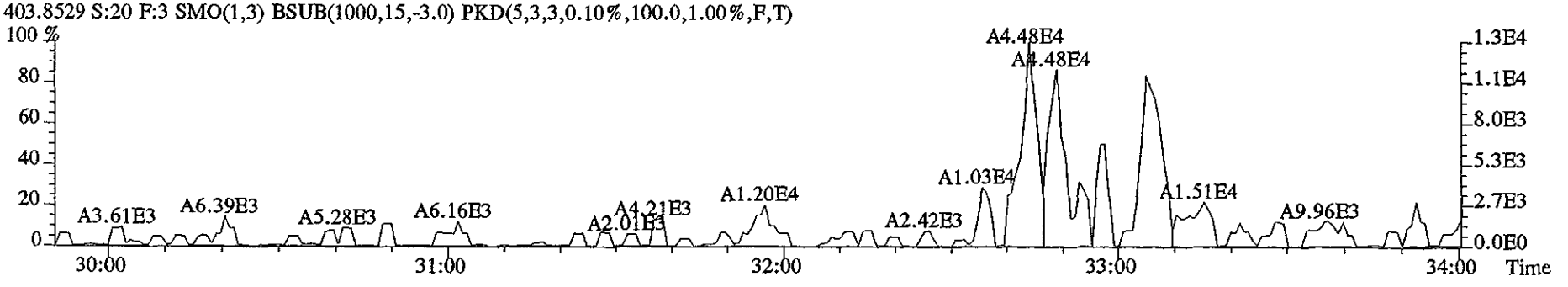


File:04MY10A4D5 #1-316 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

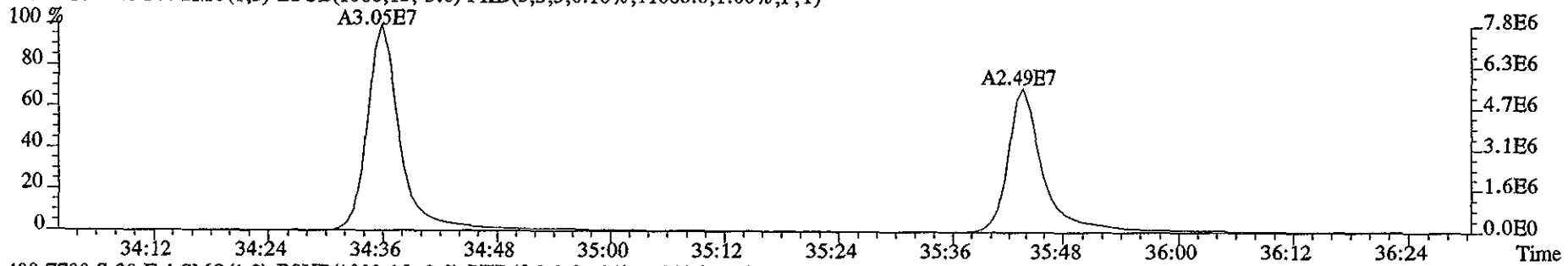


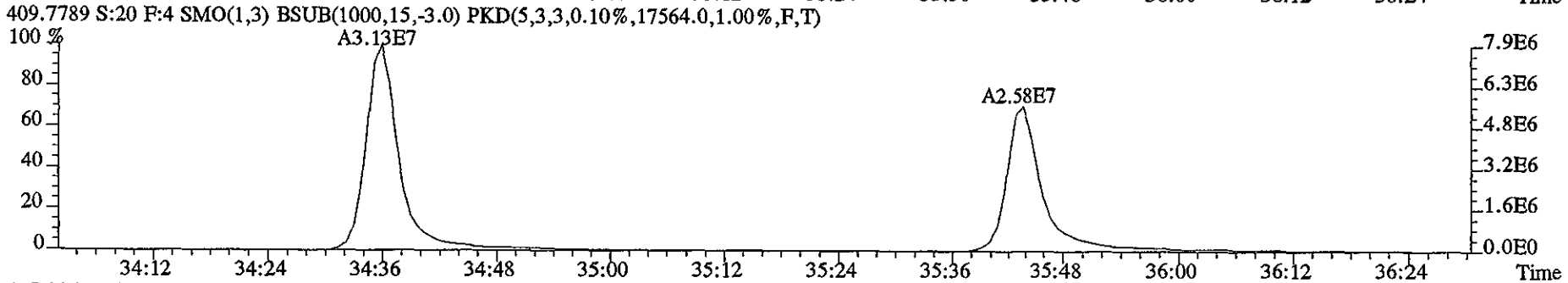


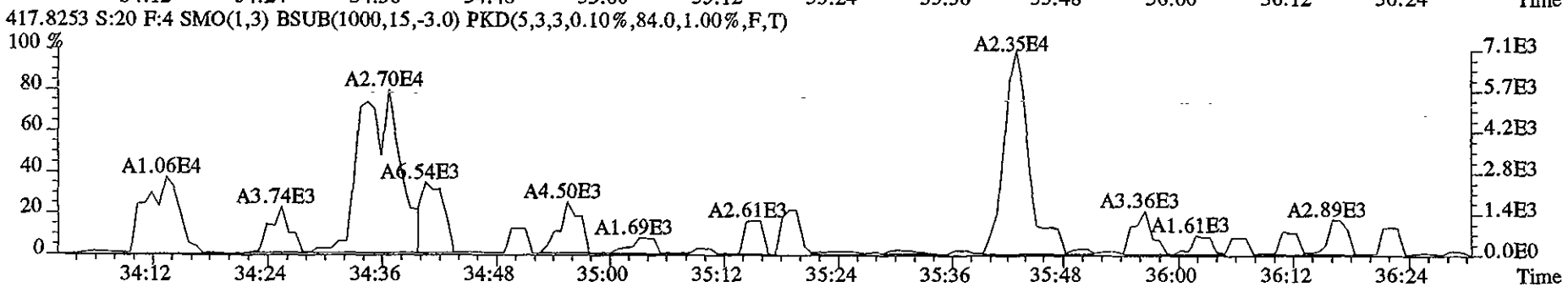


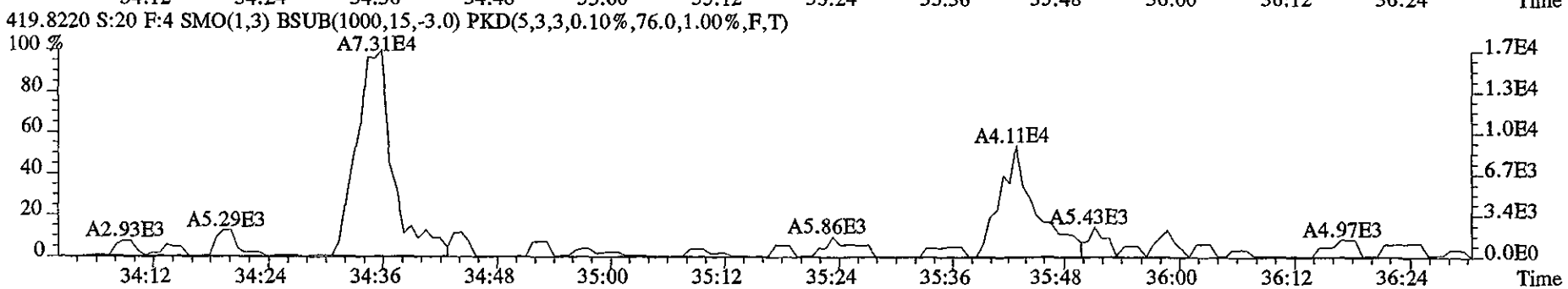


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

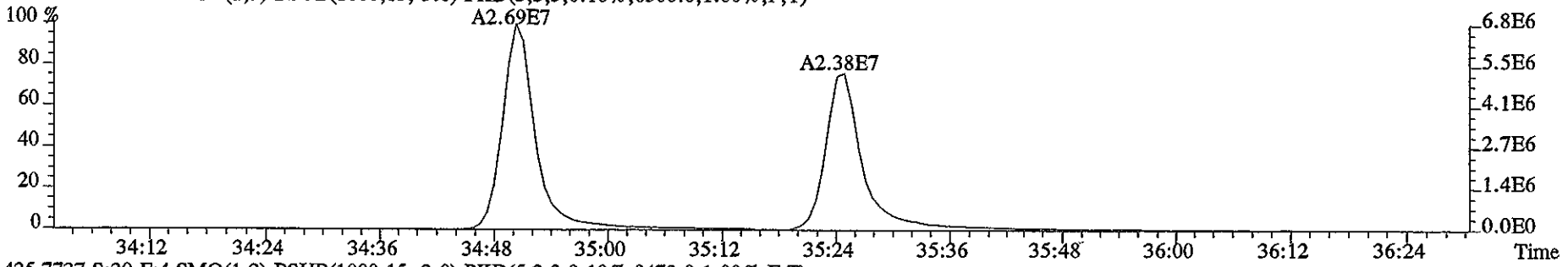




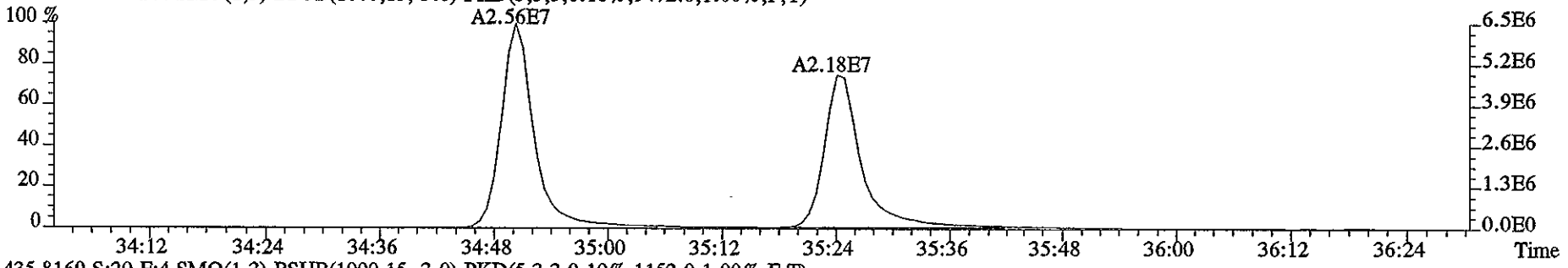




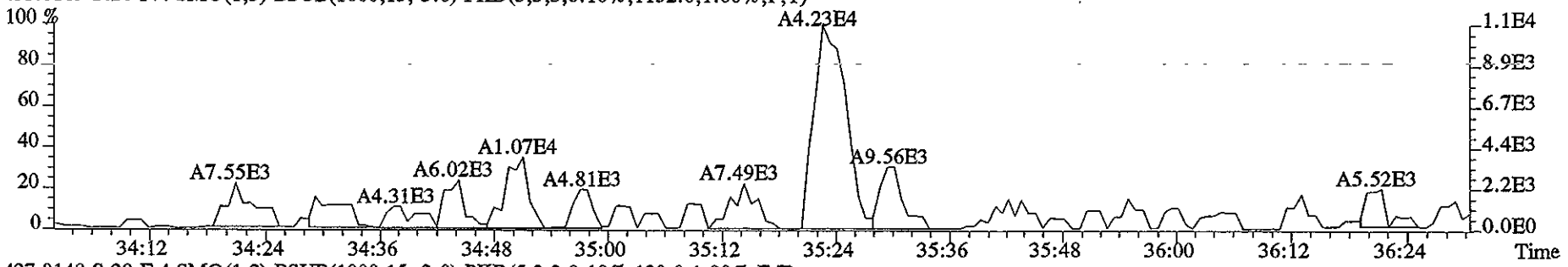
File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
423.7766 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6500.0,1.00%,F,T)



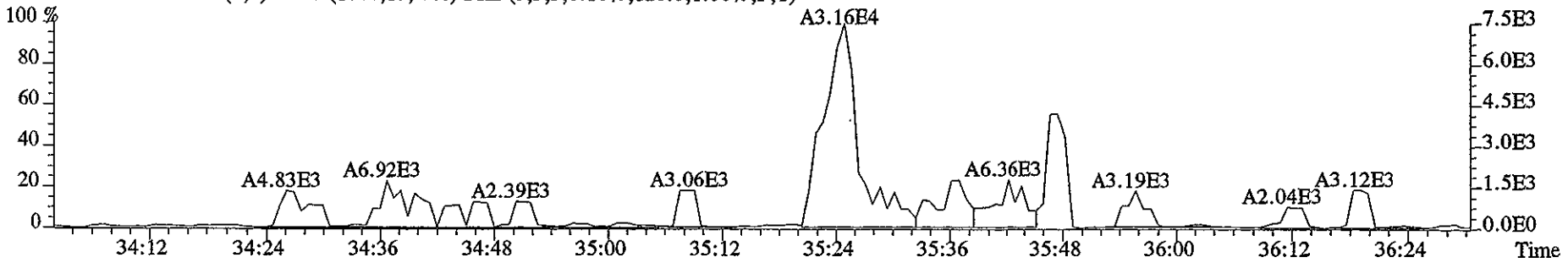
425.7737 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9472.0,1.00%,F,T)



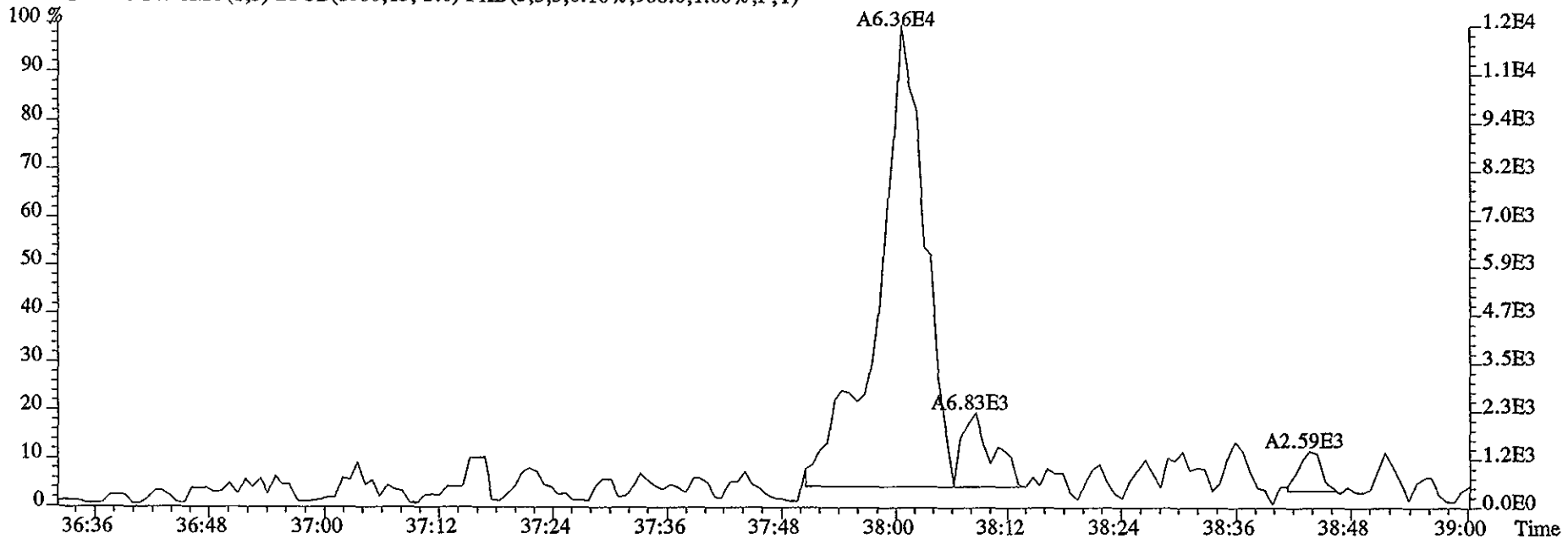
435.8169 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1152.0,1.00%,F,T)



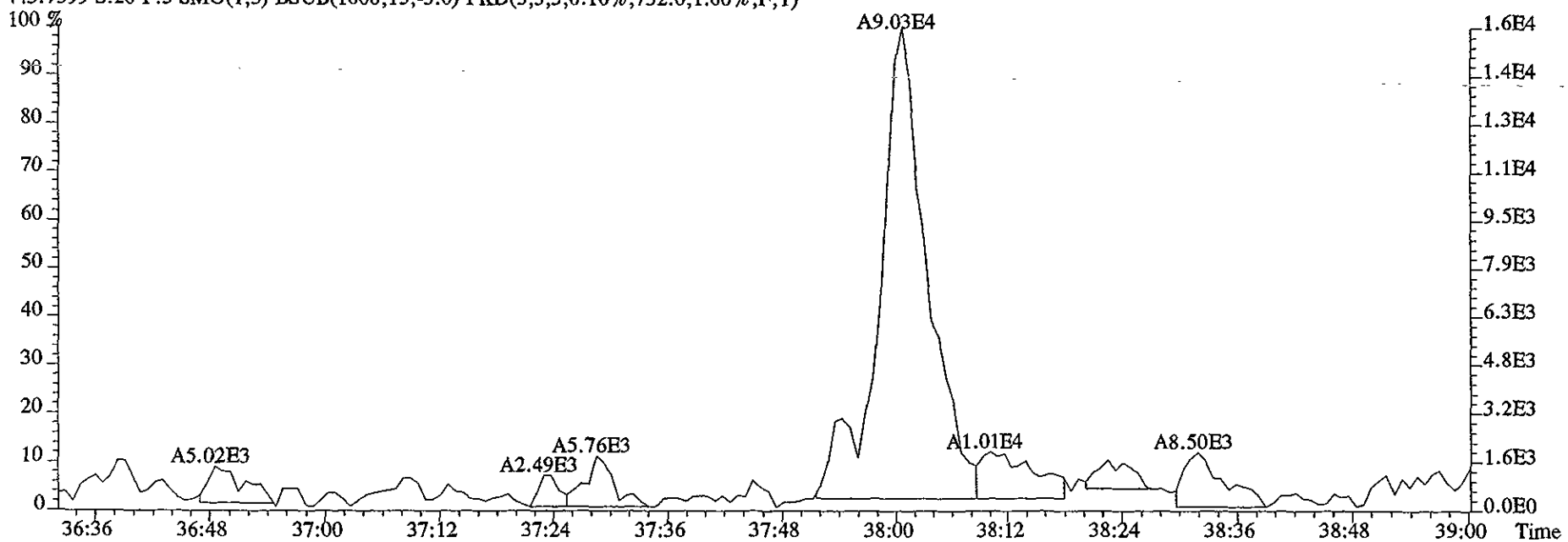
437.8140 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)



File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)

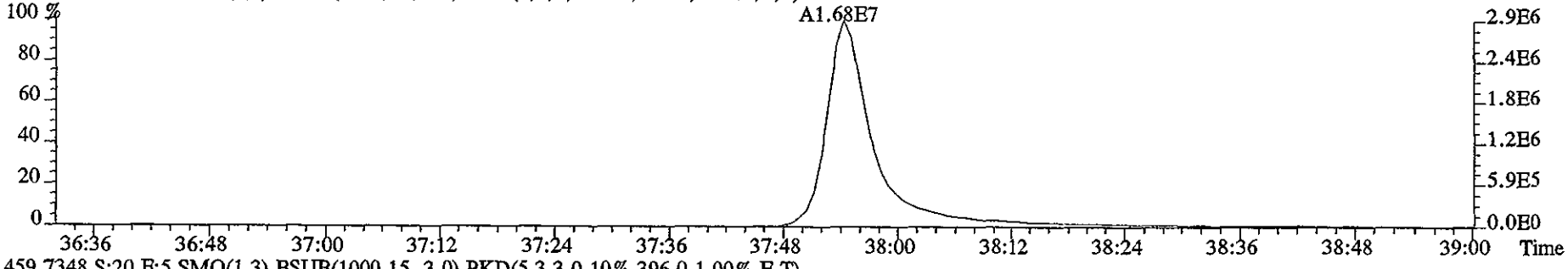


443.7399 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)

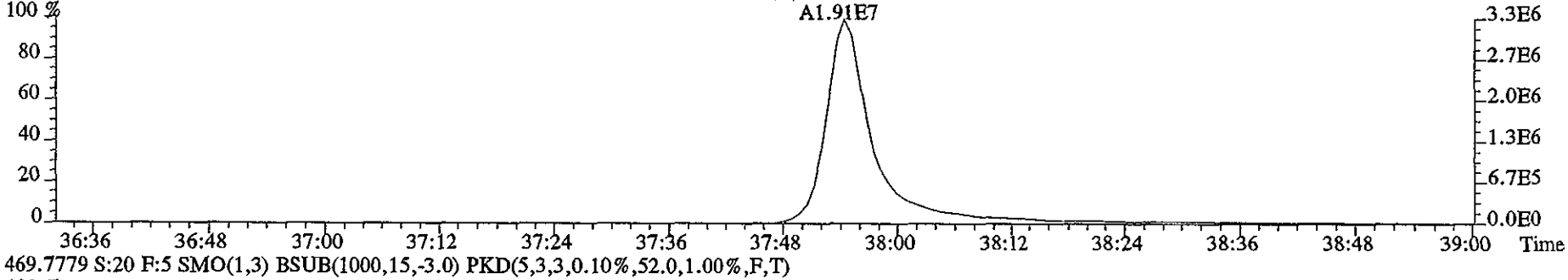


File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

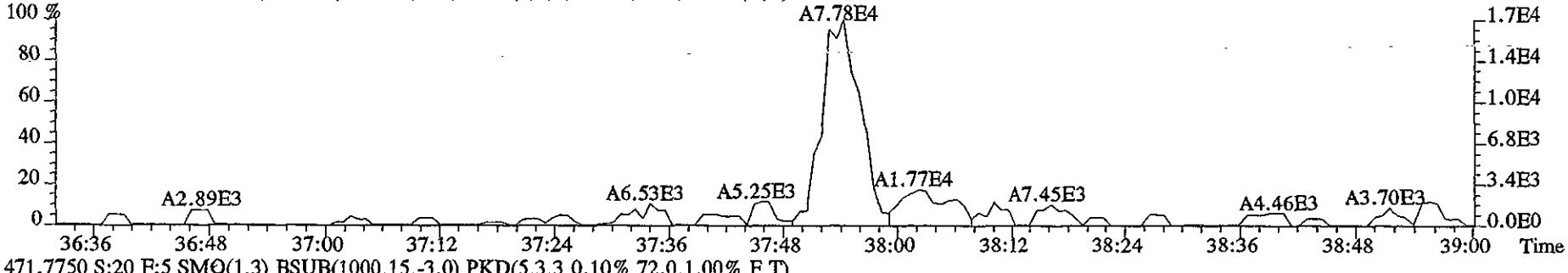
457.7377 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



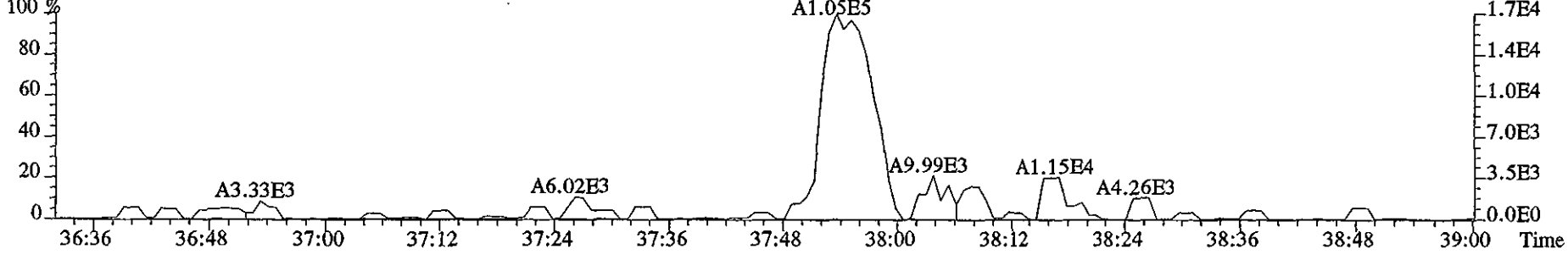
459.7348 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,396.0,1.00%,F,T)



469.7779 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)

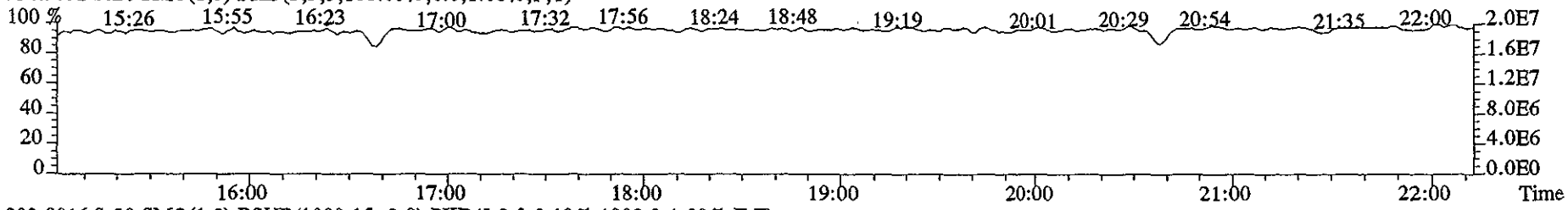


471.7750 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

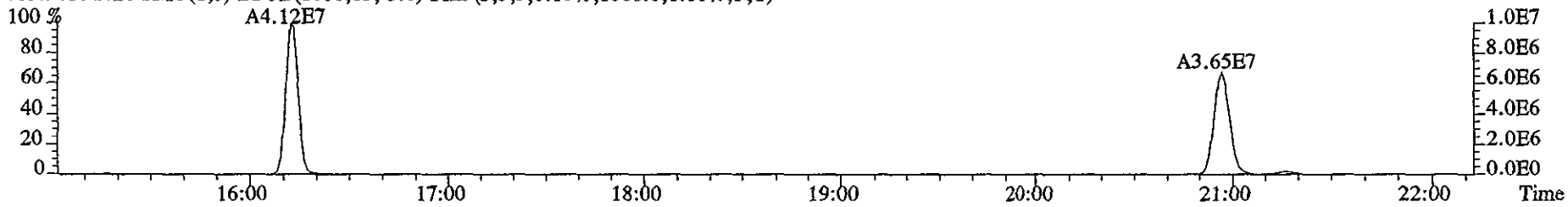


File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

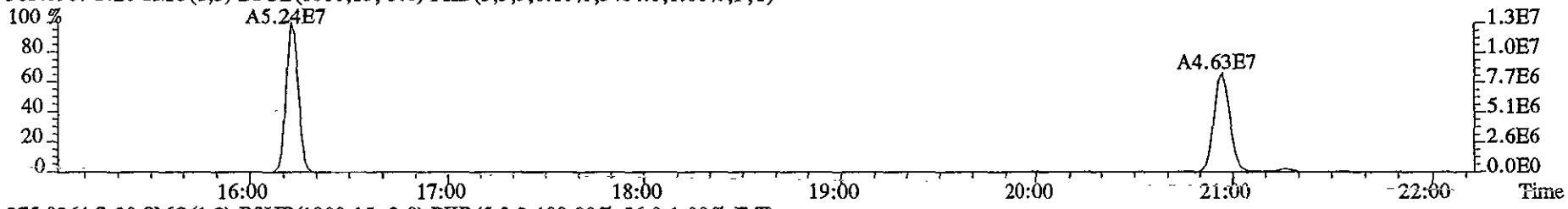
354.9792 S:20 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



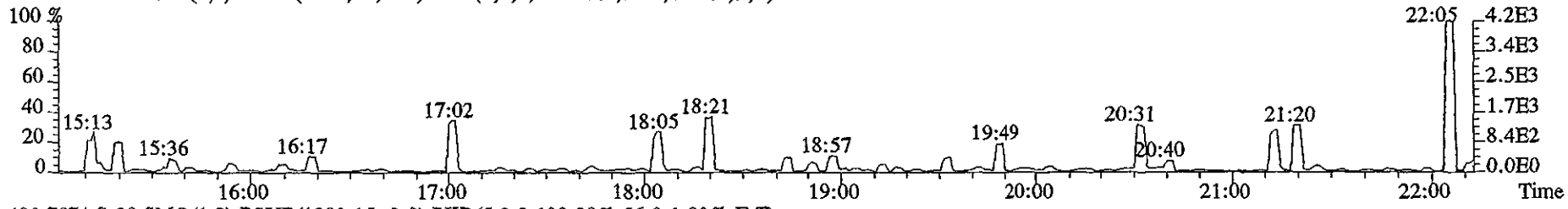
303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1088.0,1.00%,F,T)



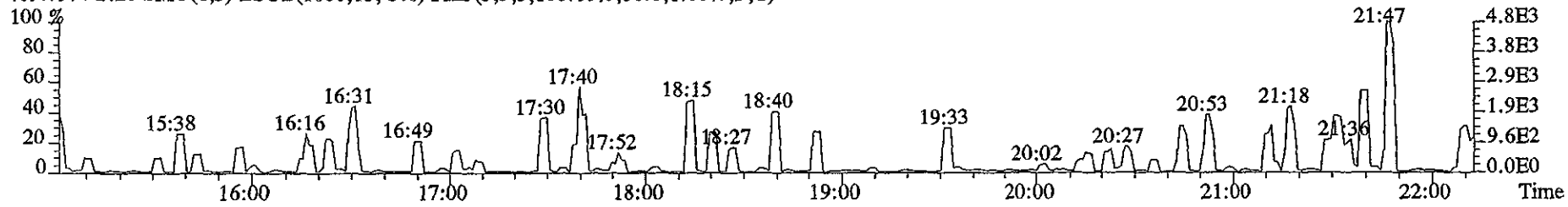
305.8987 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484.0,1.00%,F,T)



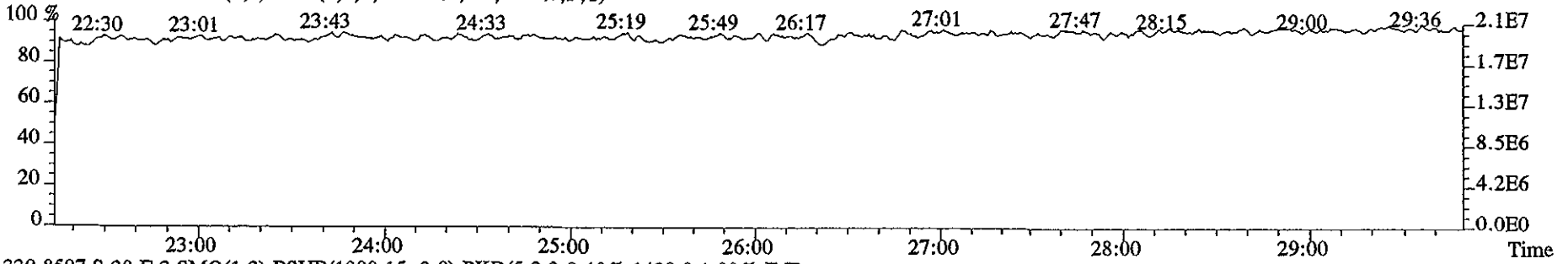
375.8364 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



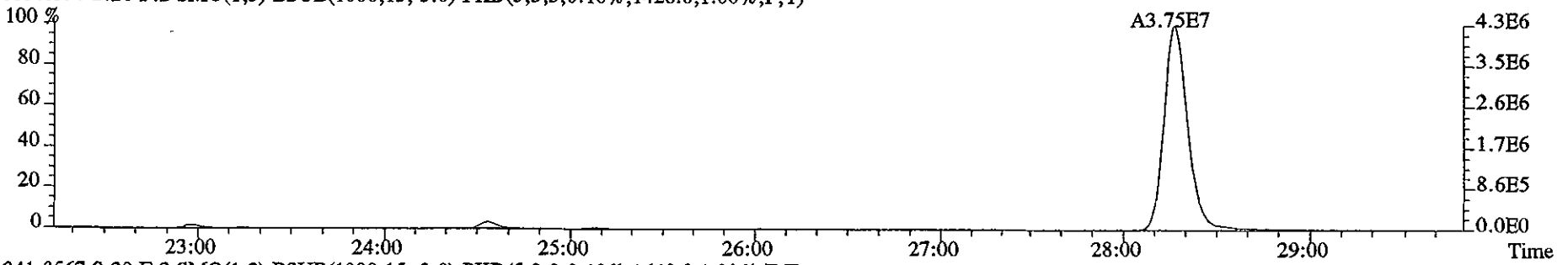
409.7974 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



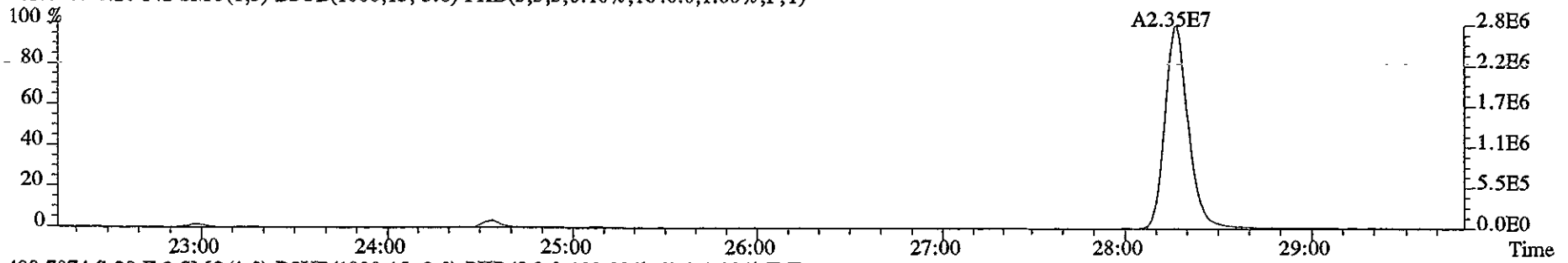
File:04MY10A4D5 #1-605 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
354.9792 S:20 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1428.0,1.00%,F,T)

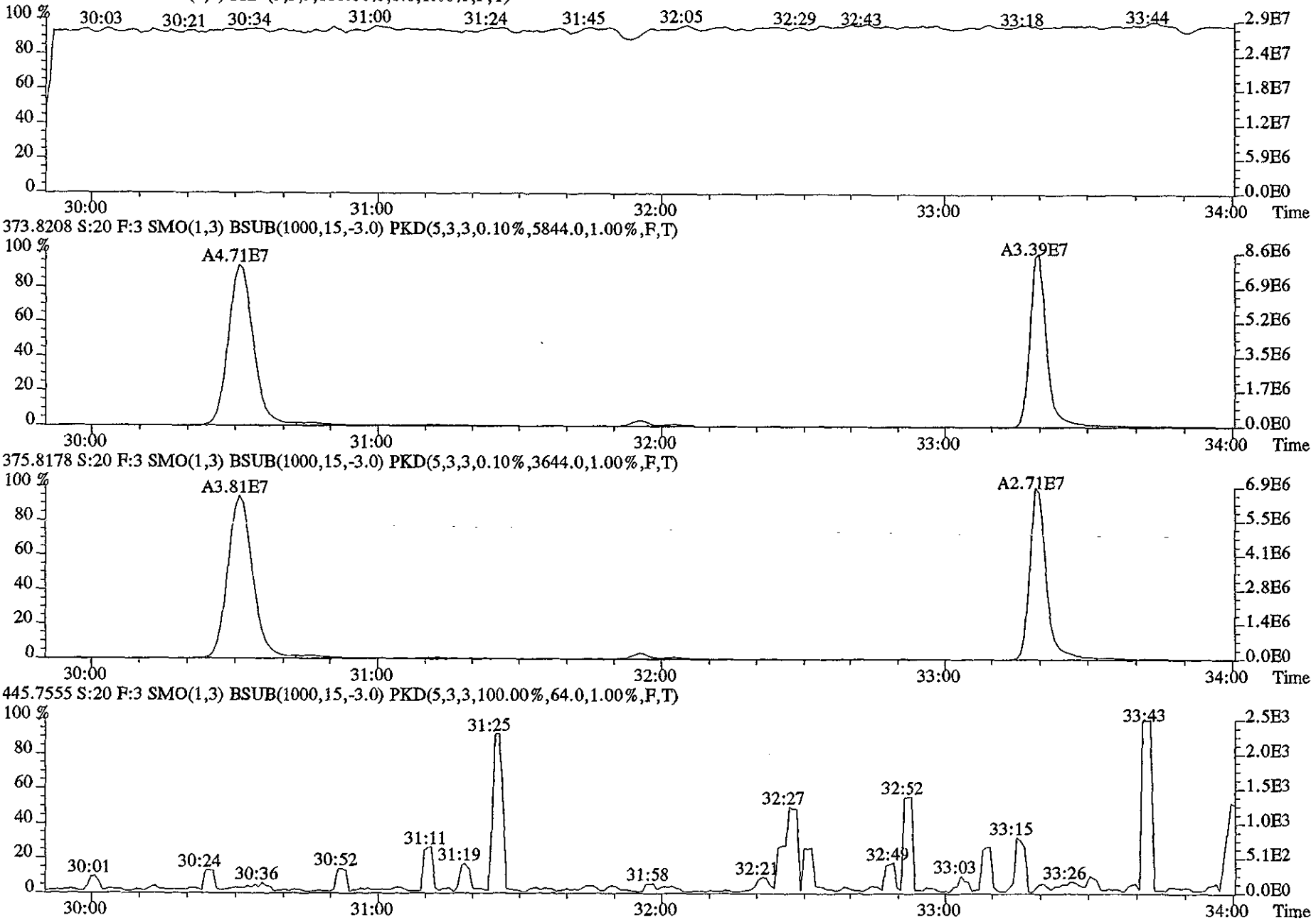


341.8567 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1640.0,1.00%,F,T)

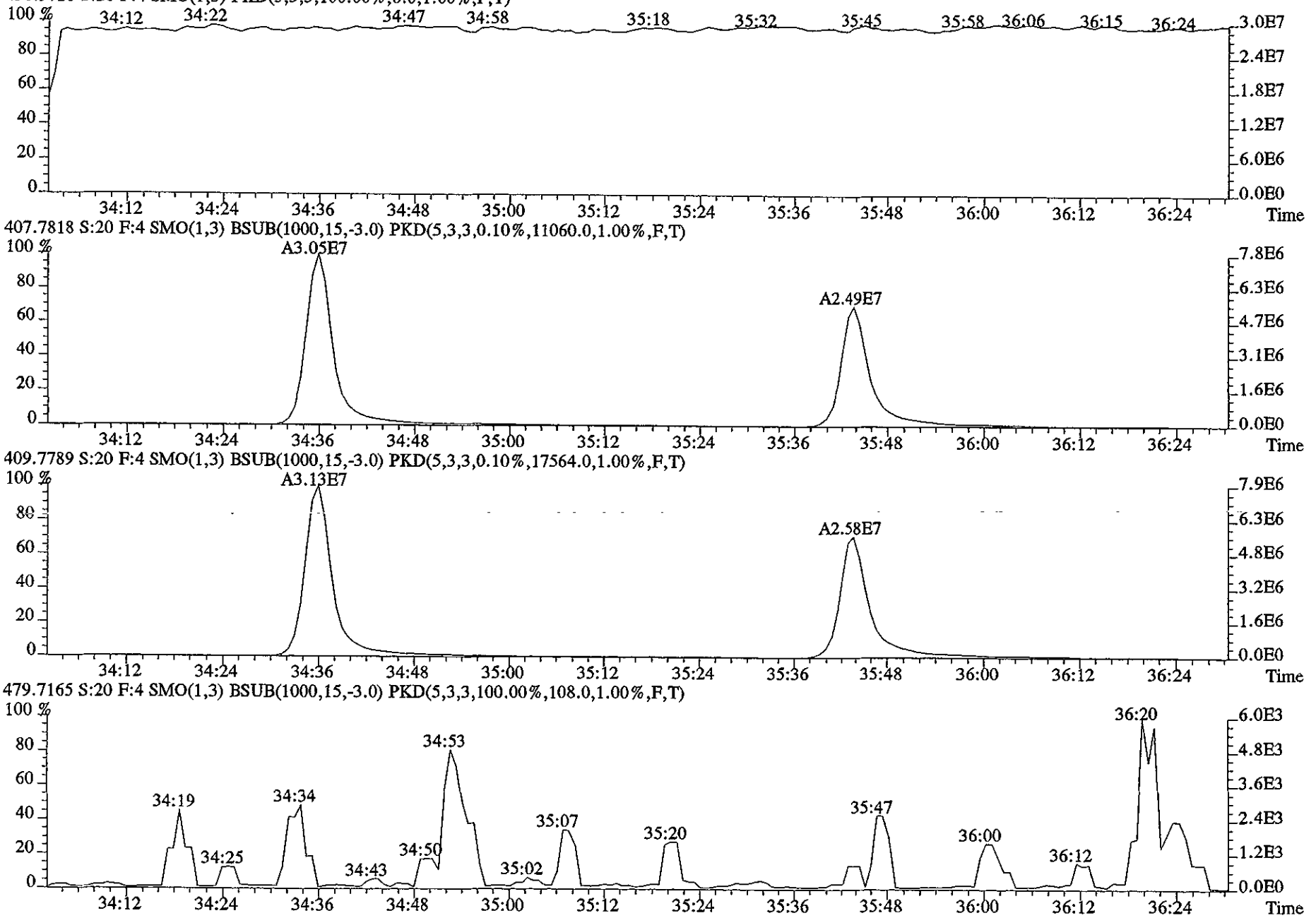


409.7974 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,60.0,1.00%,F,T)

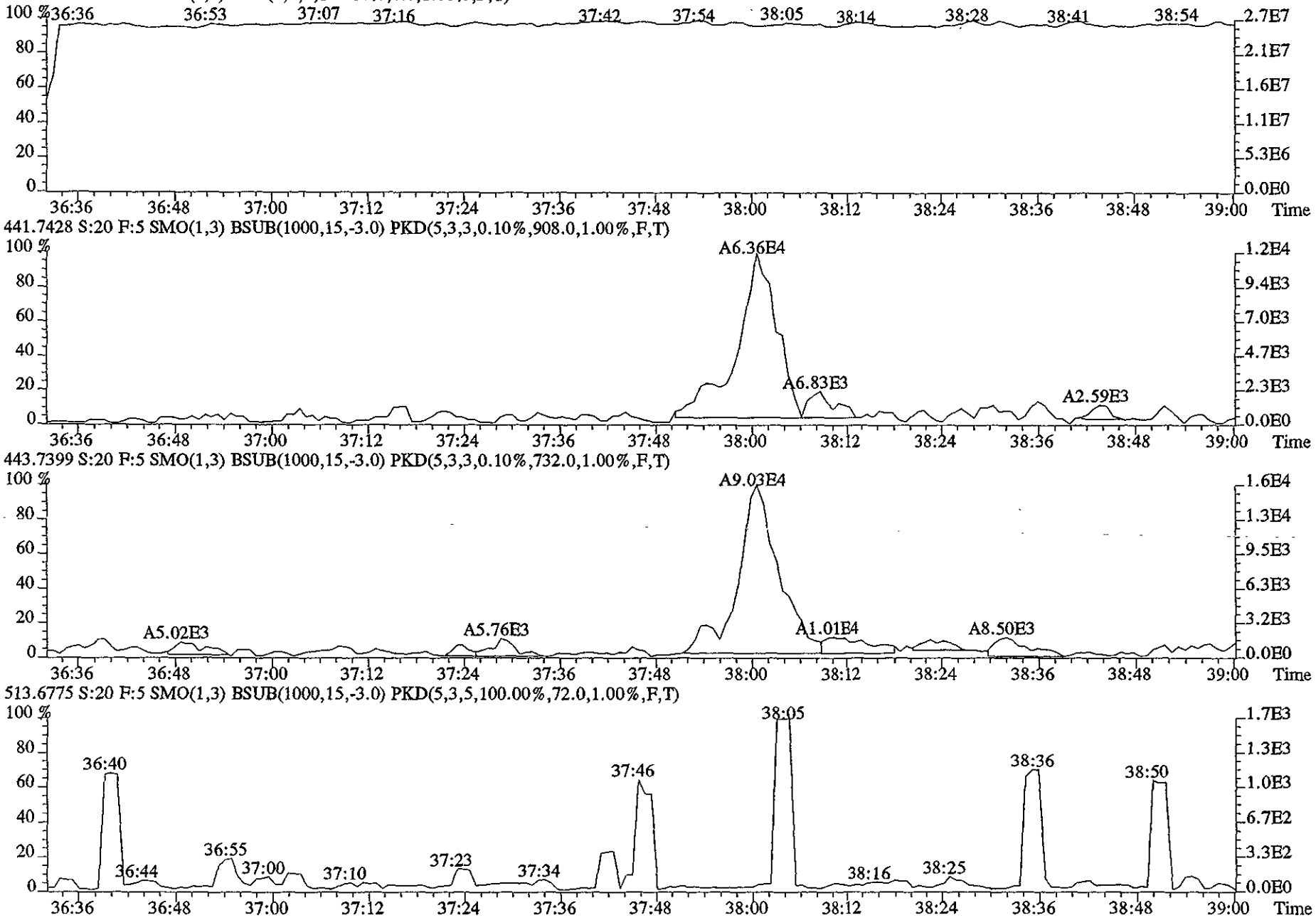
File:04MY10A4D5 #1-316 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



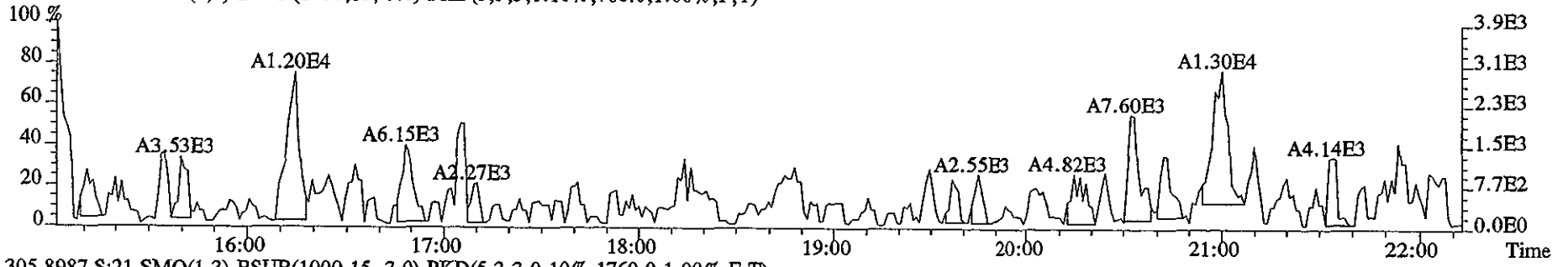
File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



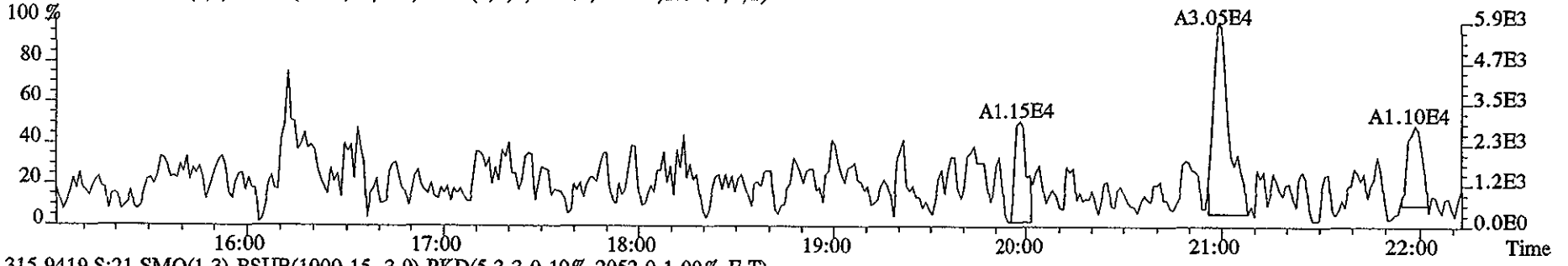
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 12:41:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0504C :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



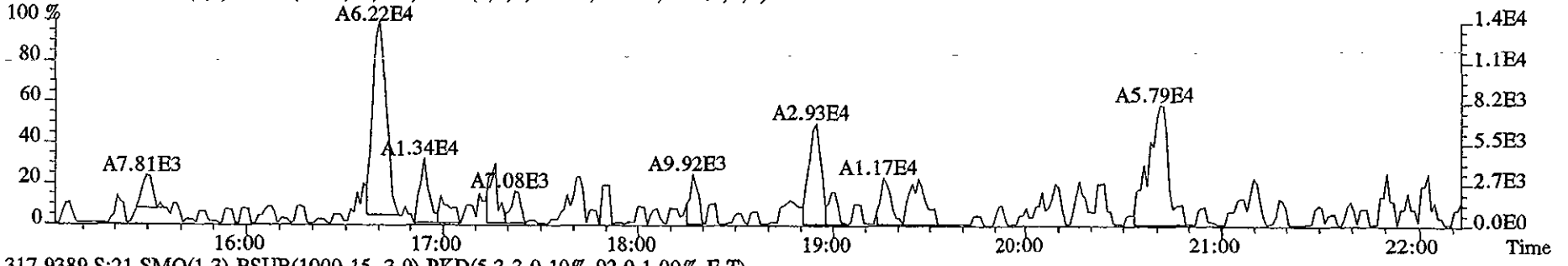
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,760.0,1.00%,F,T)



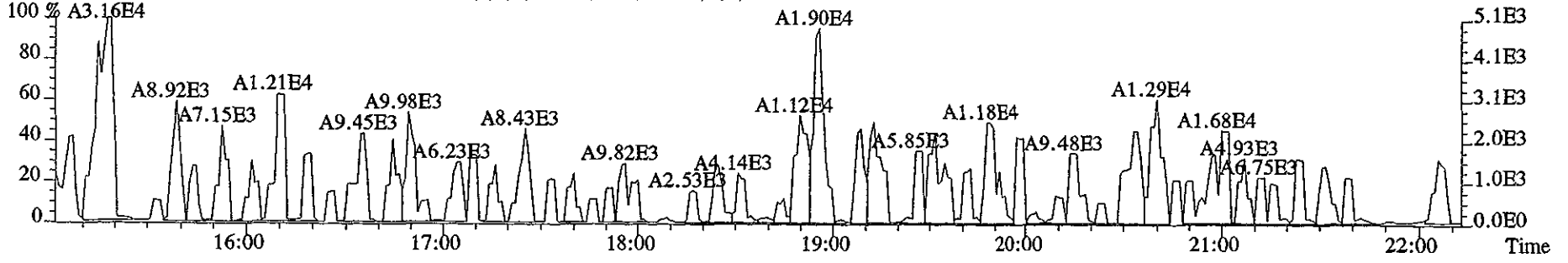
305.8987 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1760.0,1.00%,F,T)



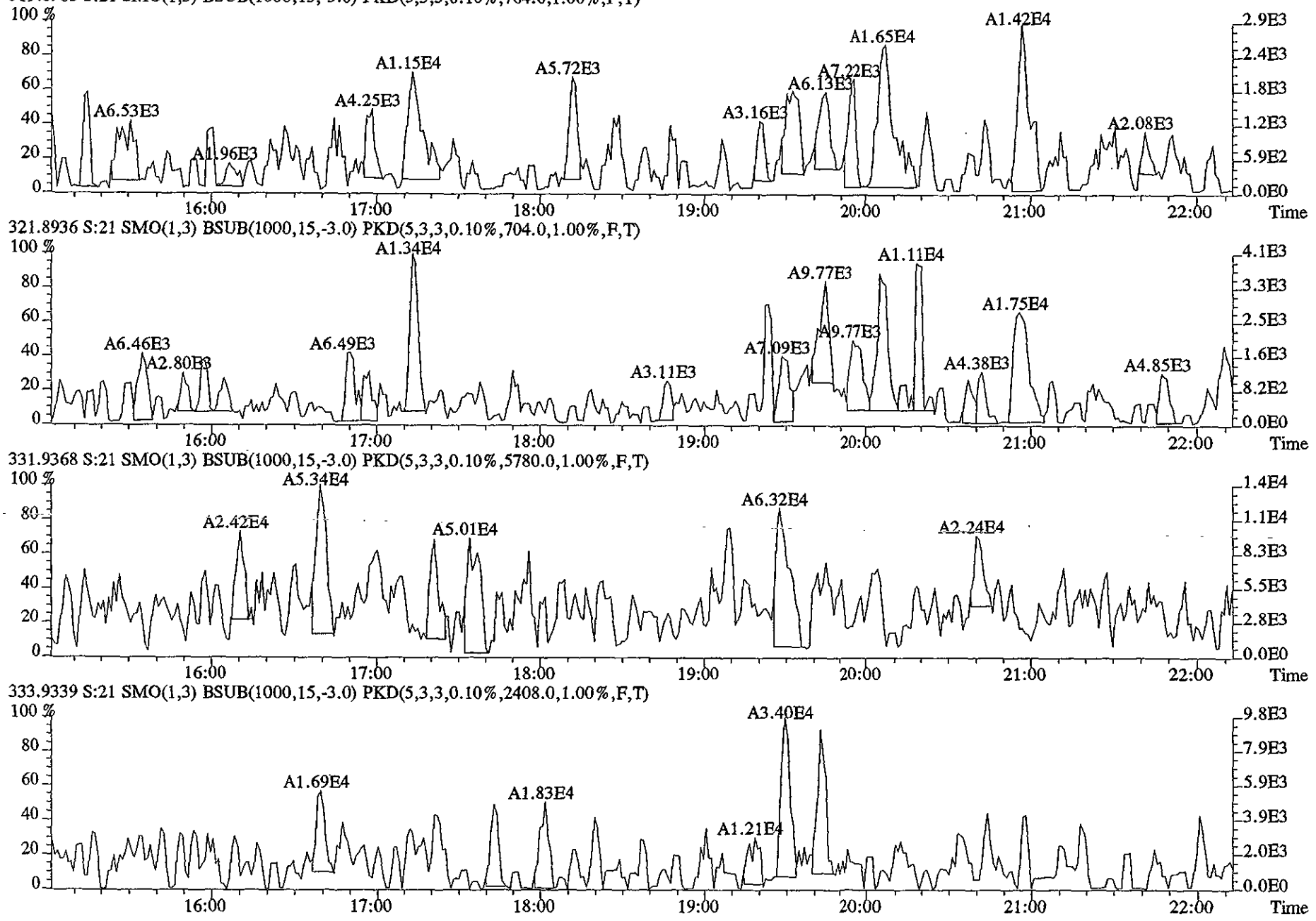
315.9419 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)



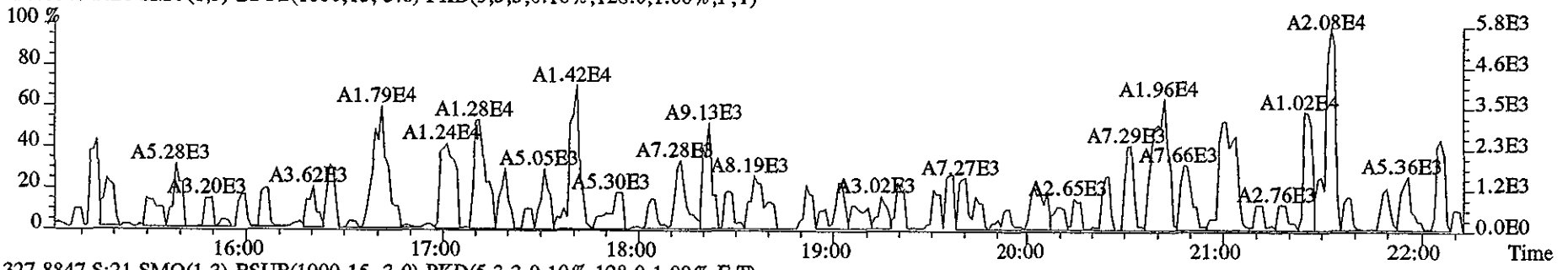
317.9389 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)



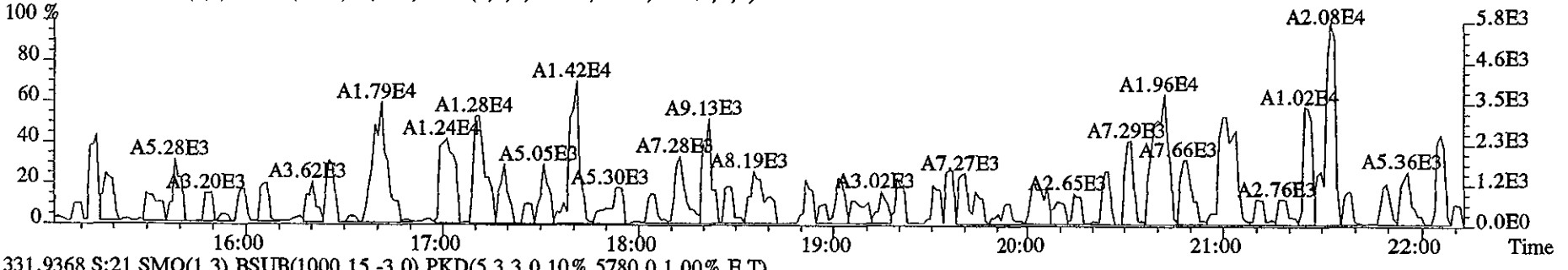
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A



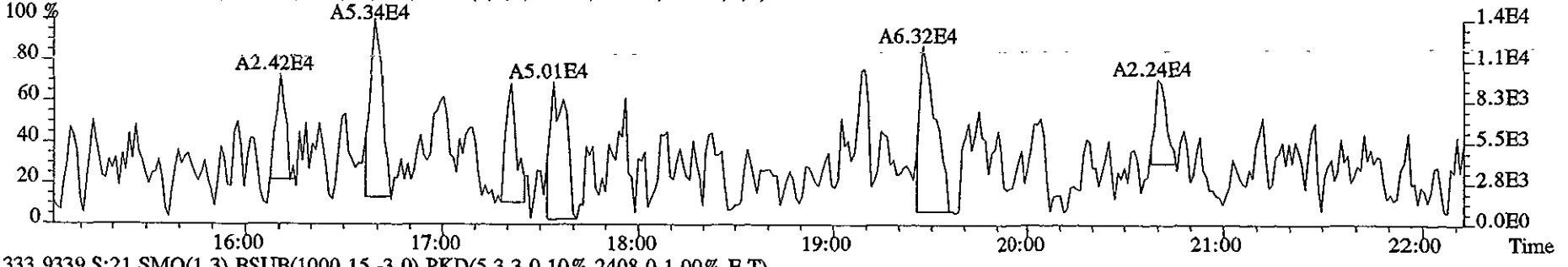
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A
327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)



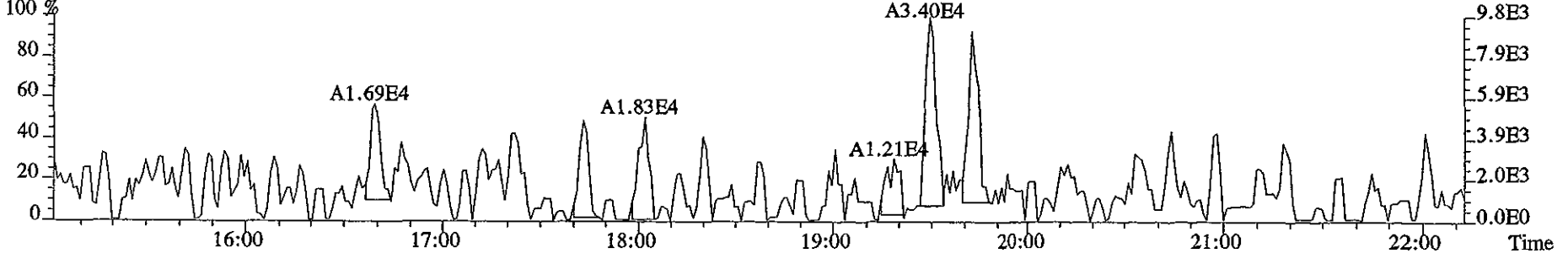
327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)



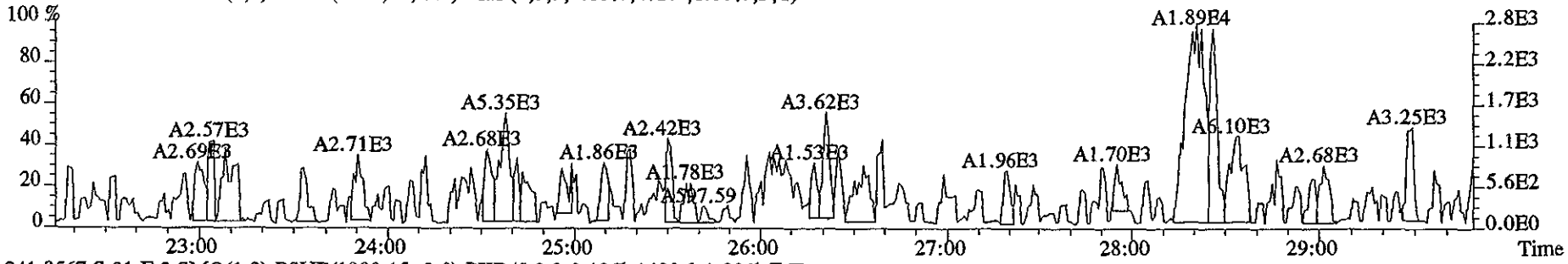
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5780.0,1.00%,F,T)



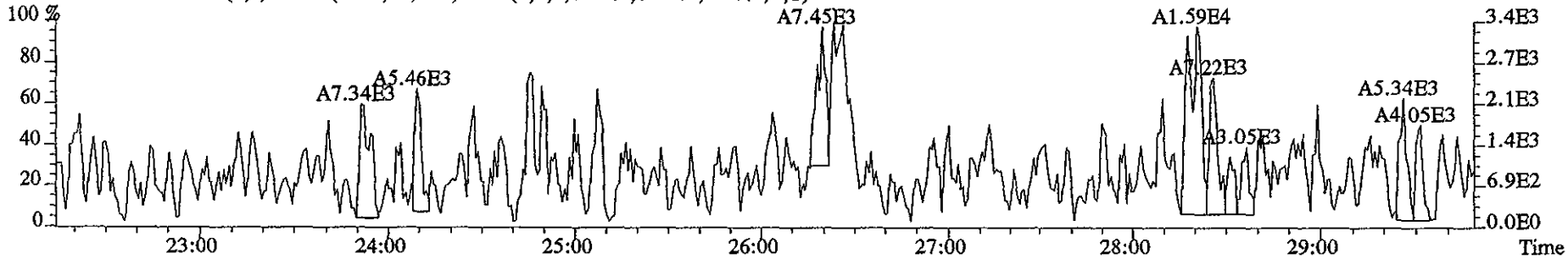
333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2408.0,1.00%,F,T)



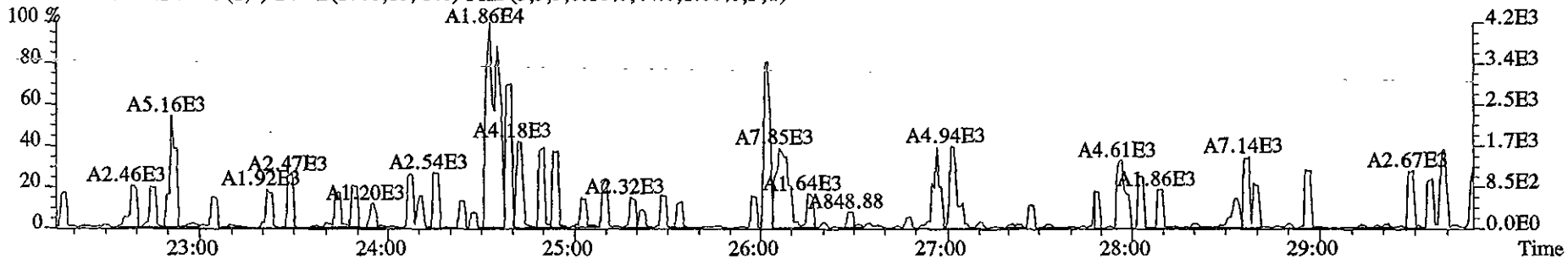
File:04MY10A4D5 #1-604 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,472.0,1.00%,F,T)



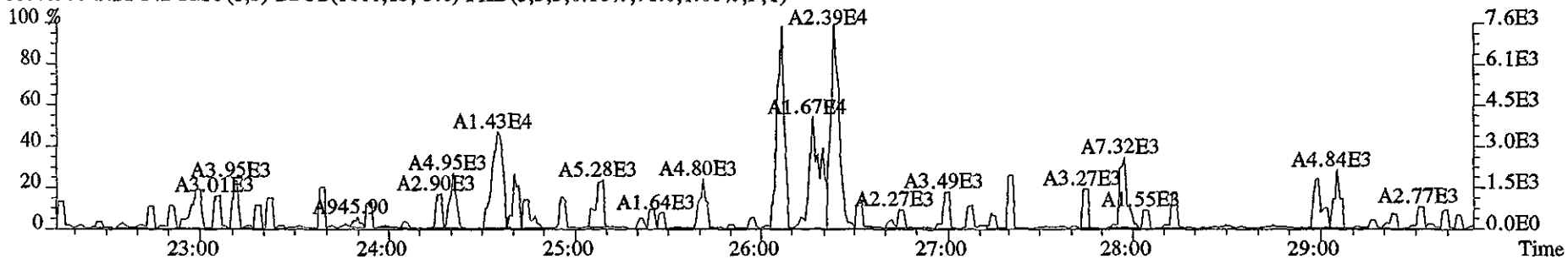
341.8567 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)



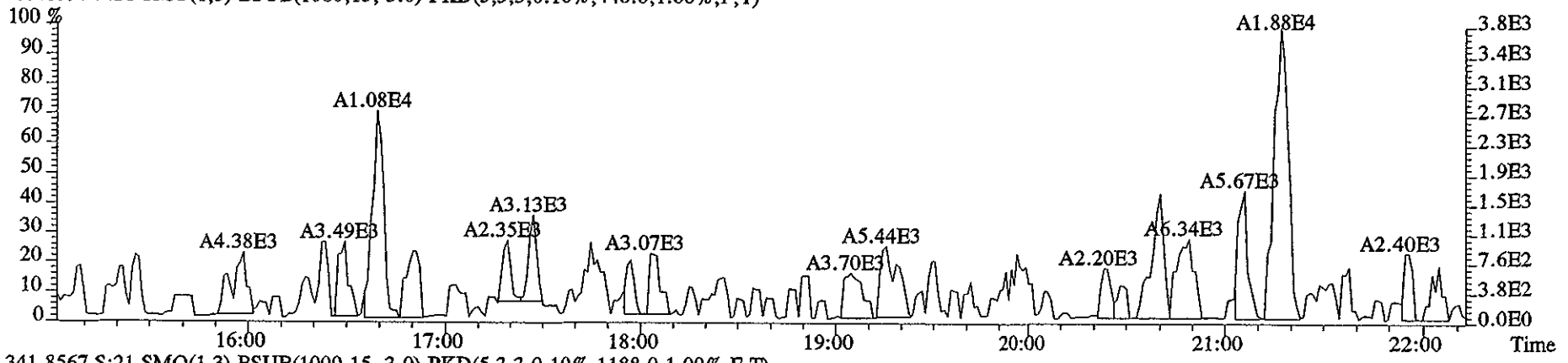
351.9000 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)



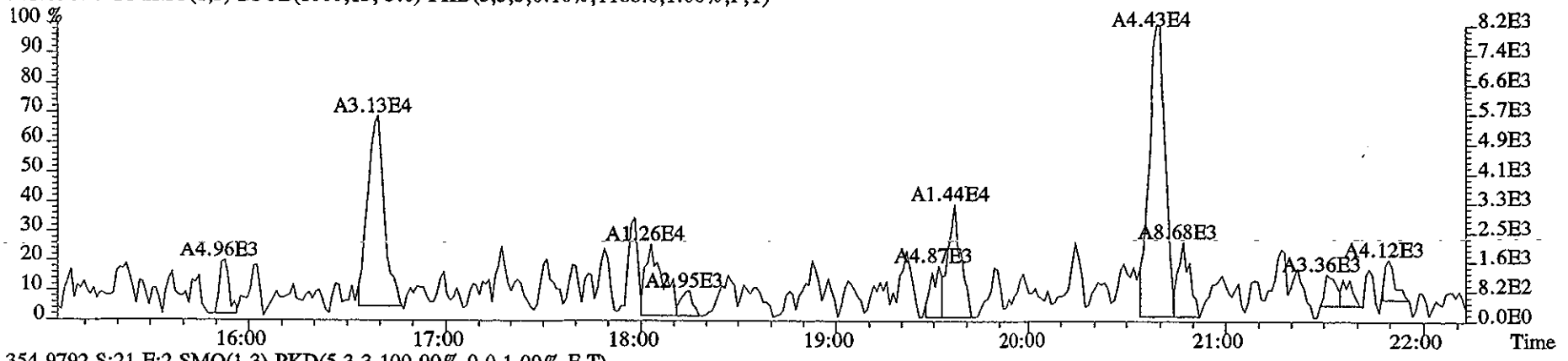
353.8970 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



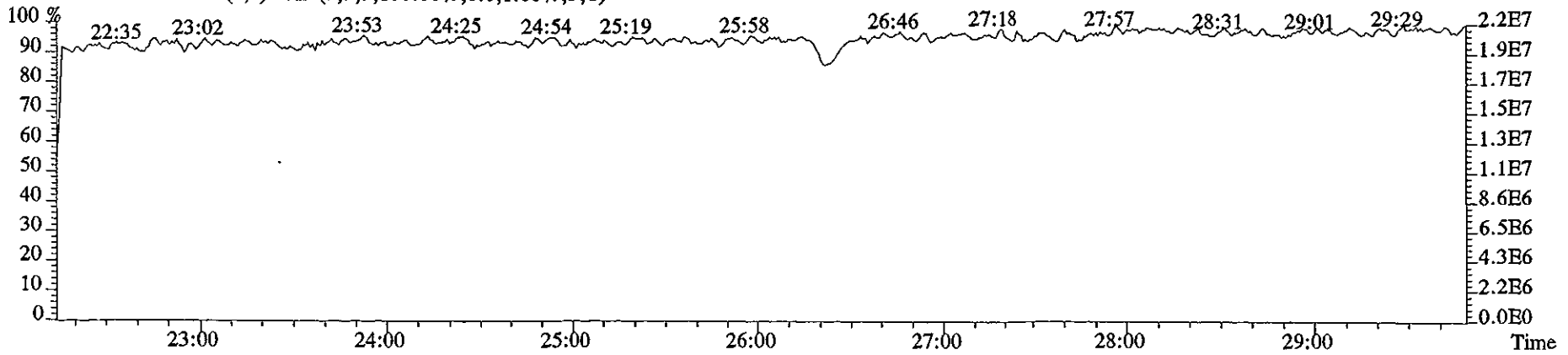
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



341.8567 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1188.0,1.00%,F,T)

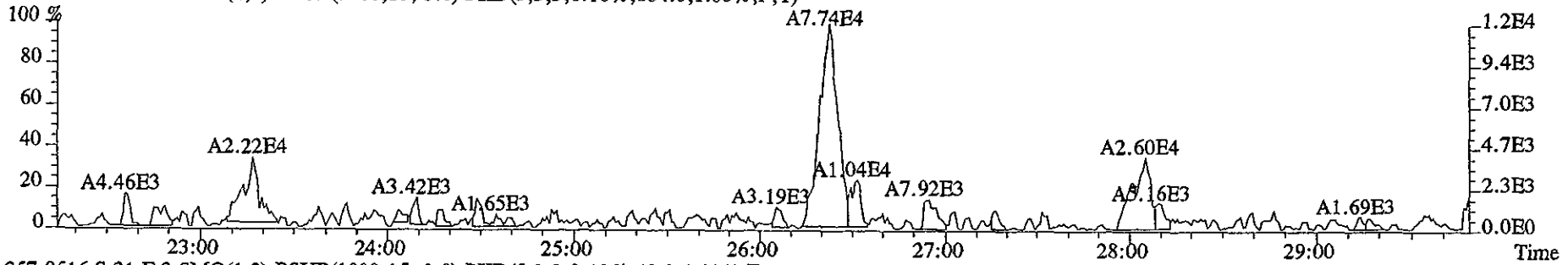


354.9792 S:21 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

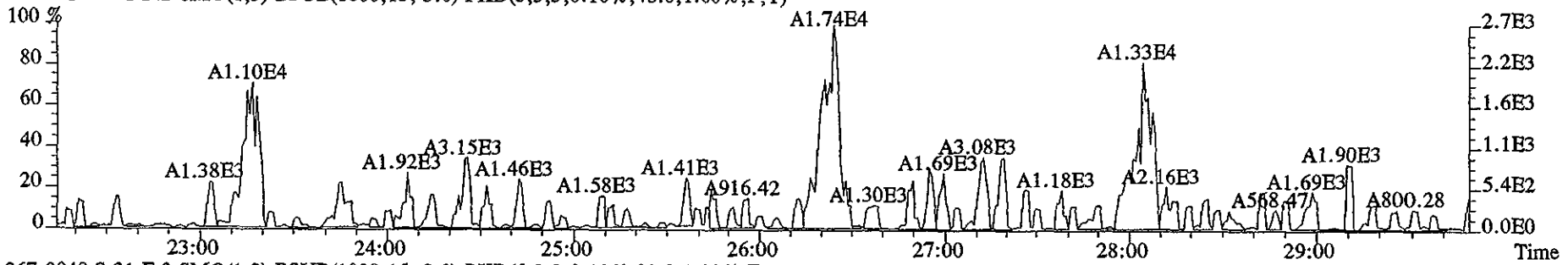


File:04MY10A4D5 #1-604 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

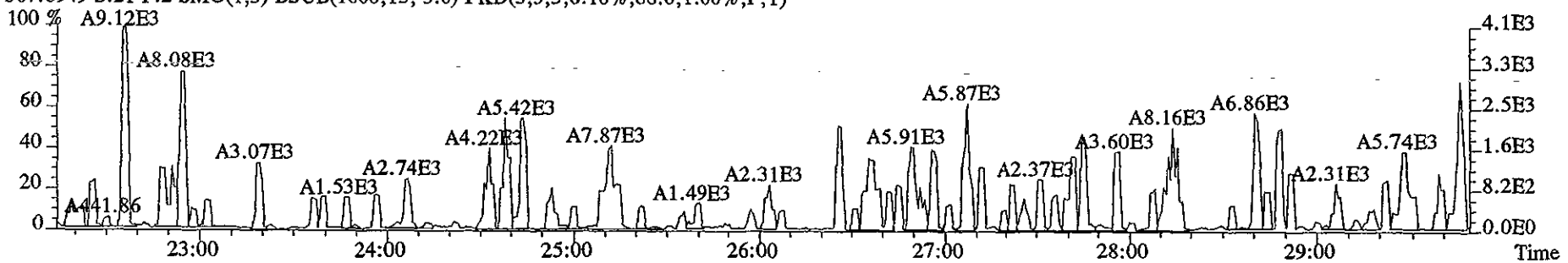
355.8546 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,684.0,1.00%,F,T)



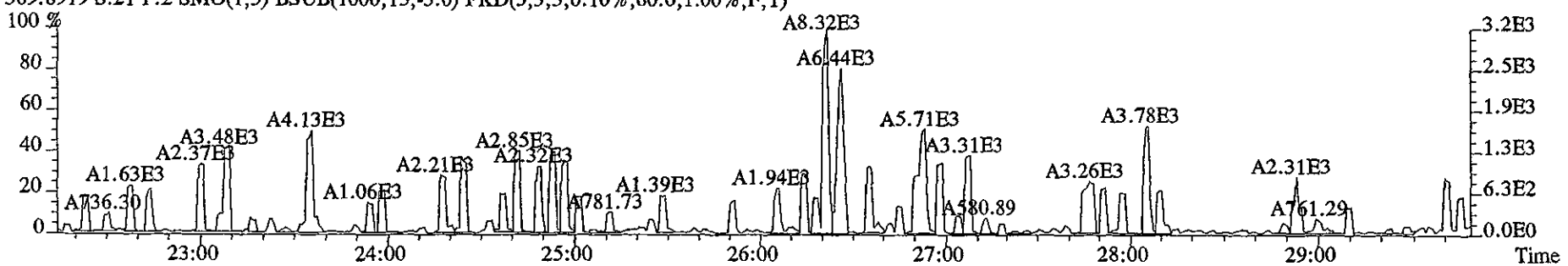
357.8516 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



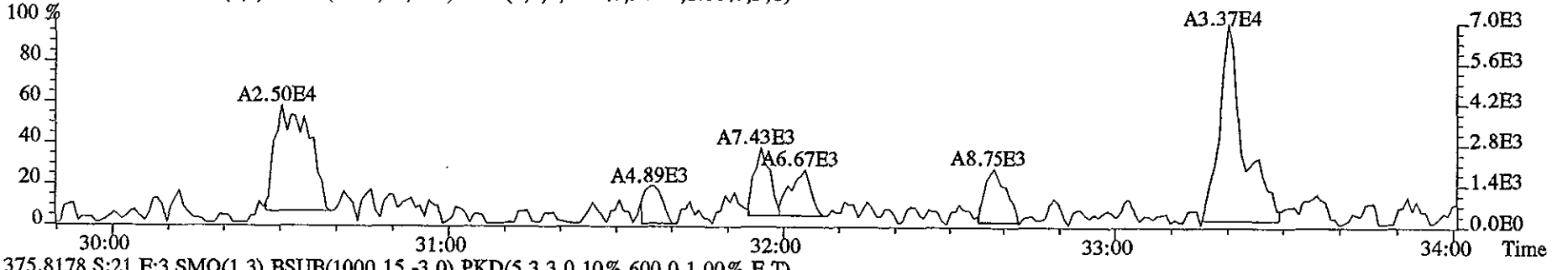
367.8949 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)

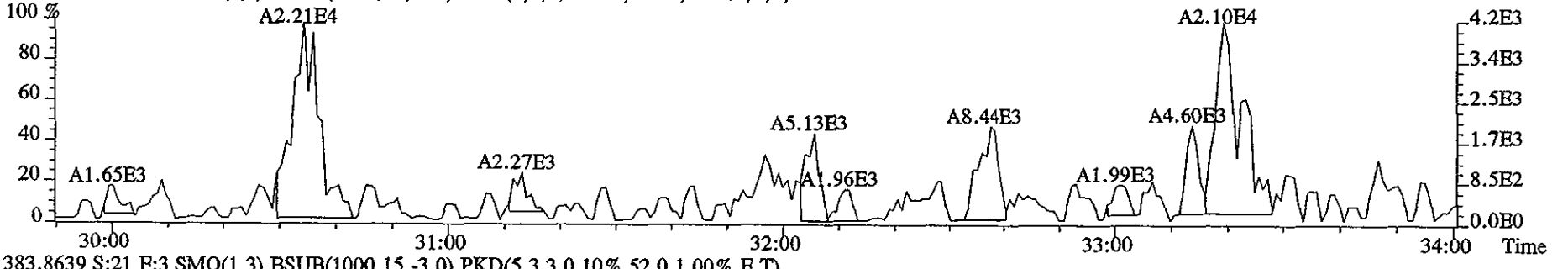


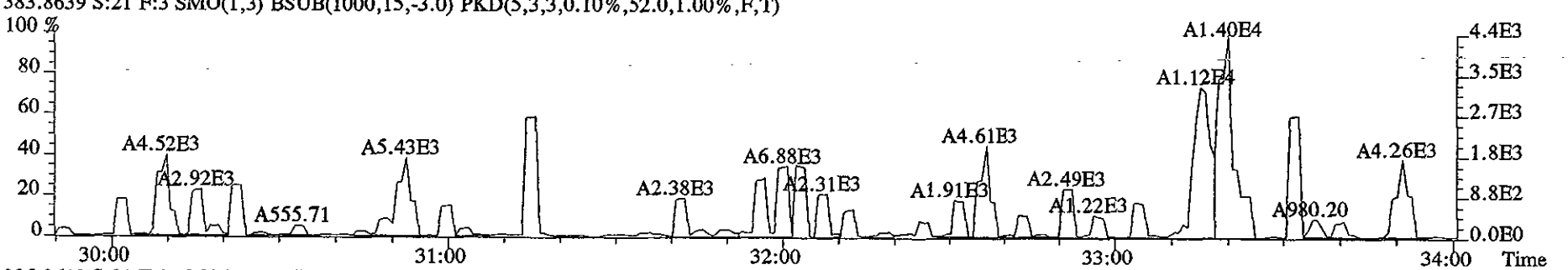
369.8919 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)

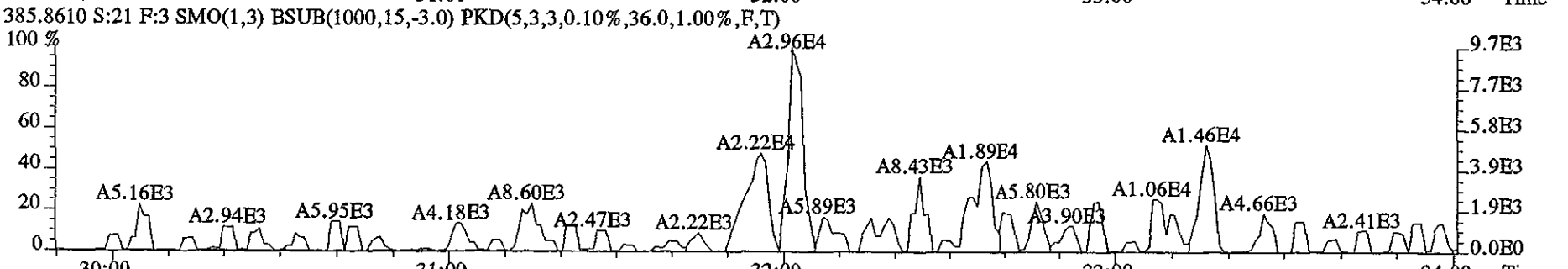


File:04MY10A4D5 #1-317 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

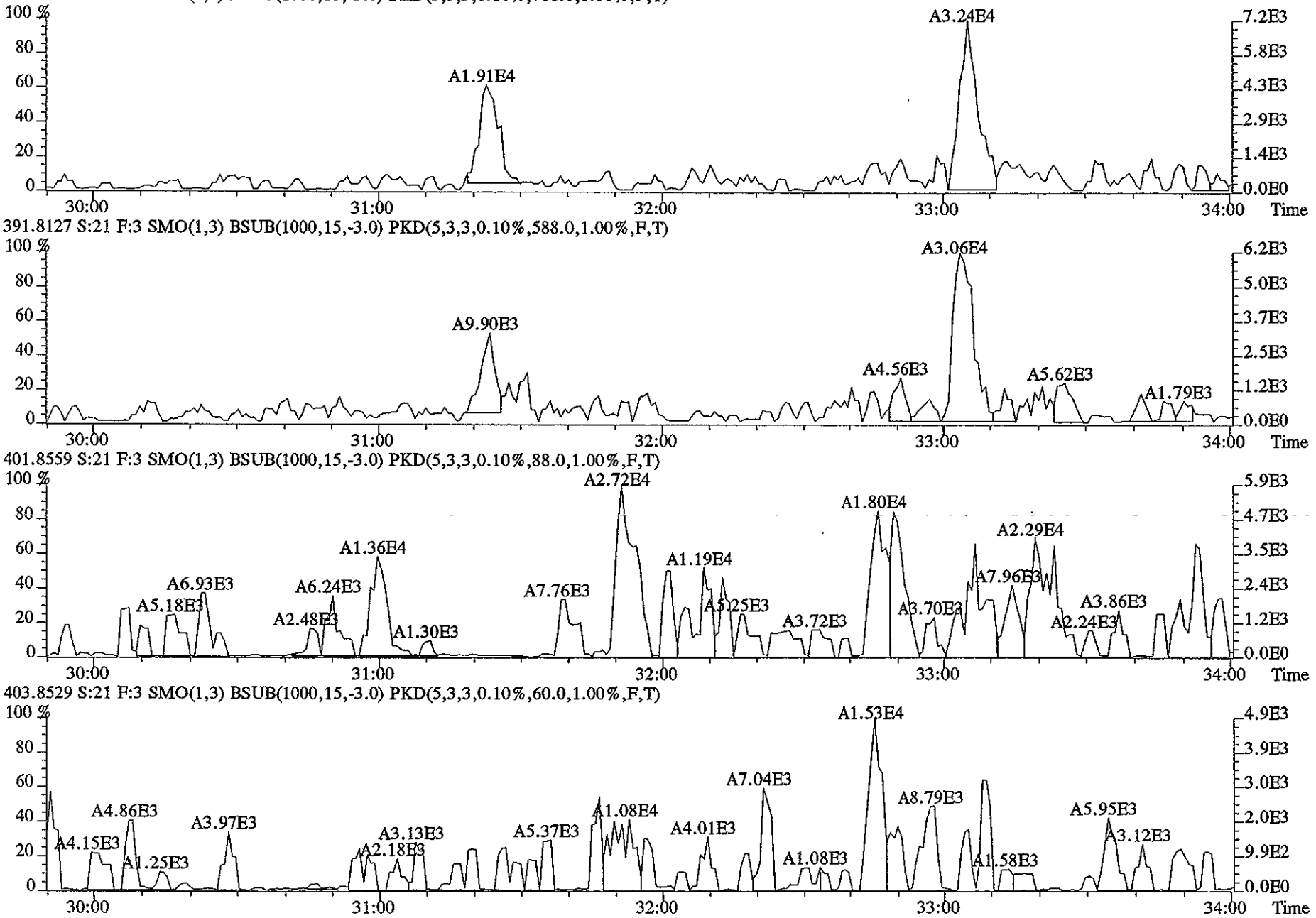




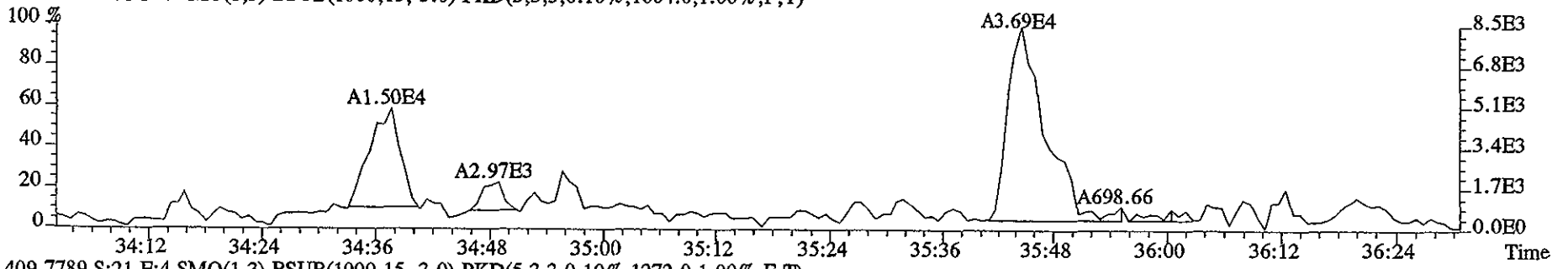


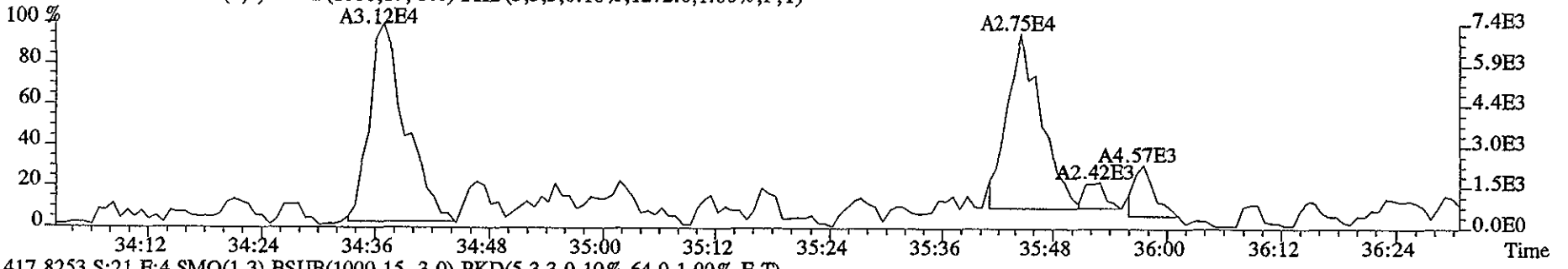


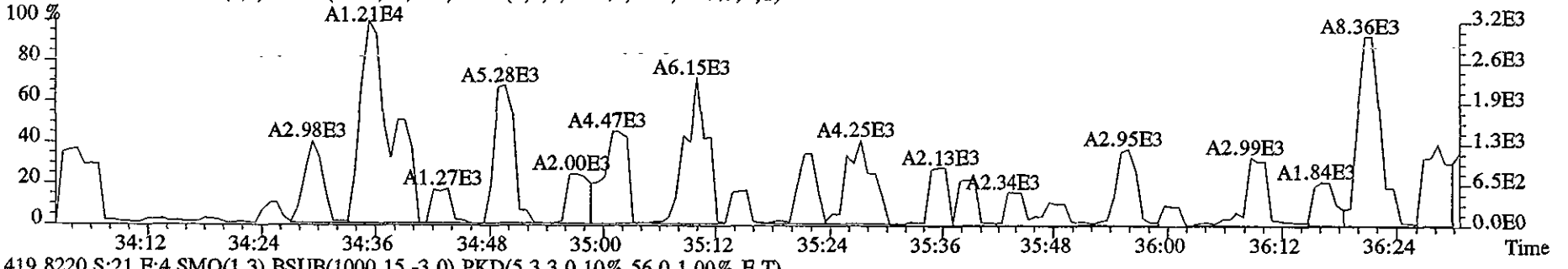
File:04MY10A4D5 #1-317 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

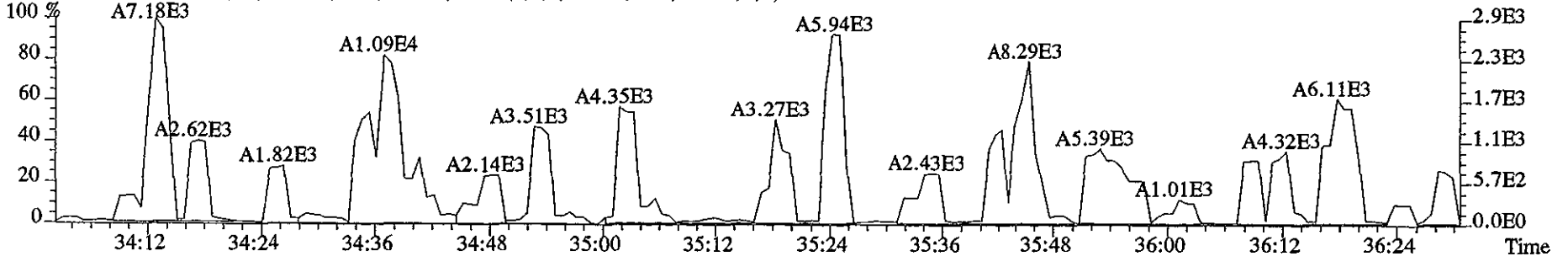


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A



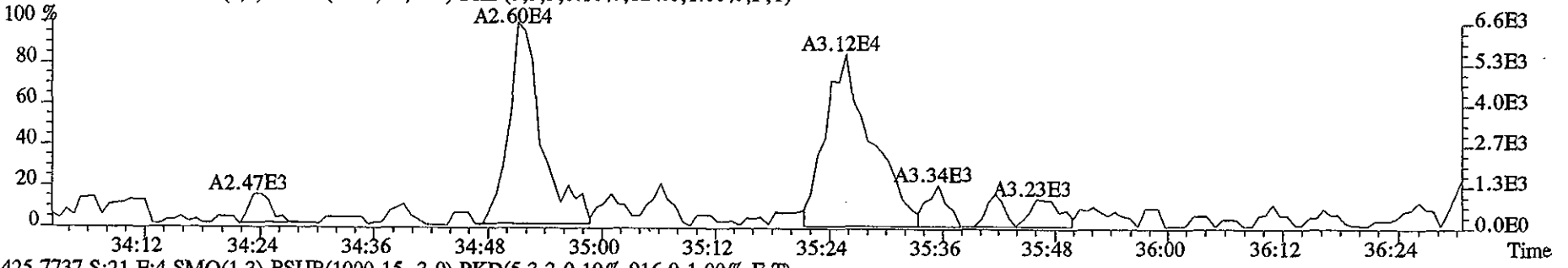




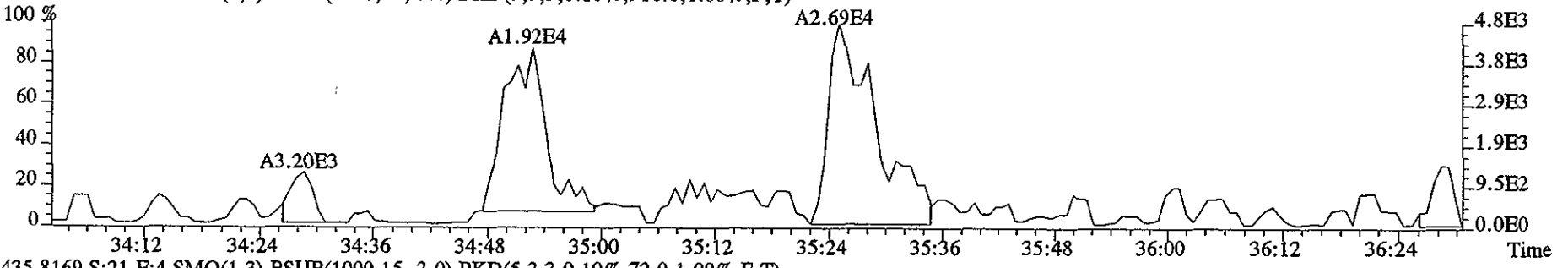


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

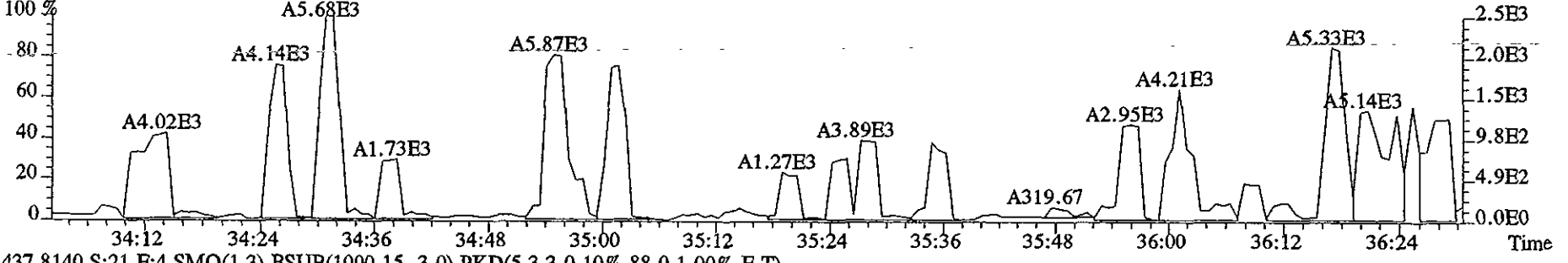
423.7766 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,624.0,1.00%,F,T)



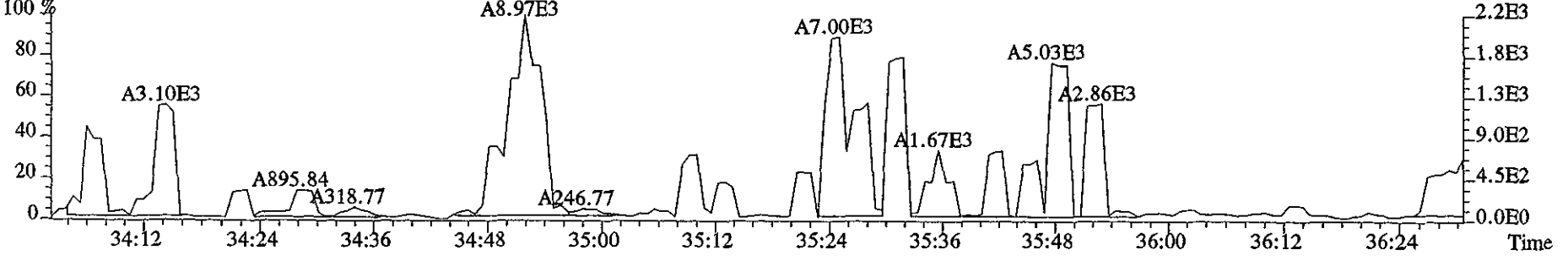
425.7737 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,916.0,1.00%,F,T)



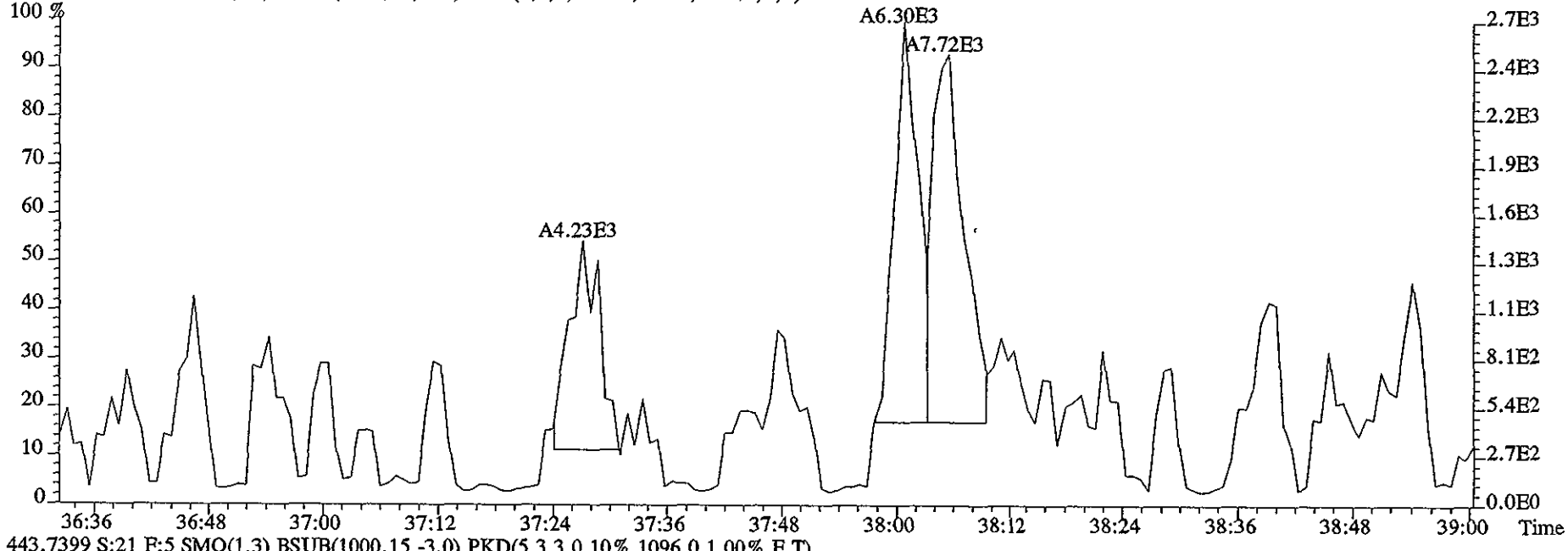
435.8169 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



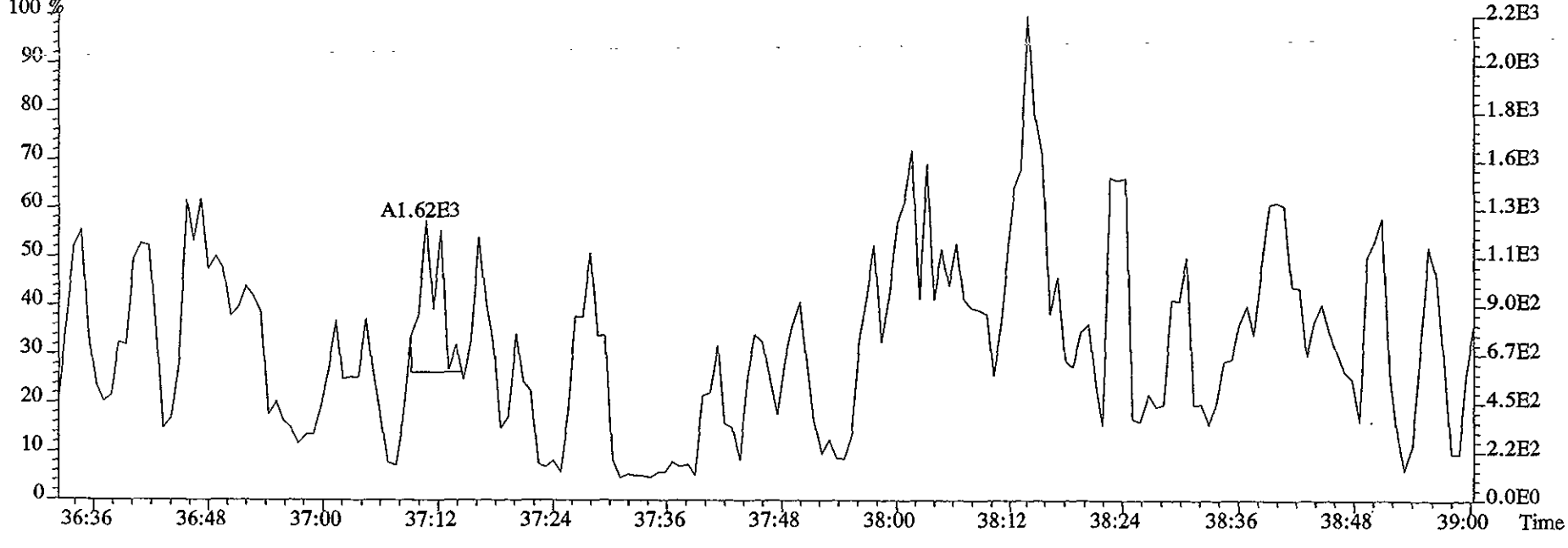
437.8140 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



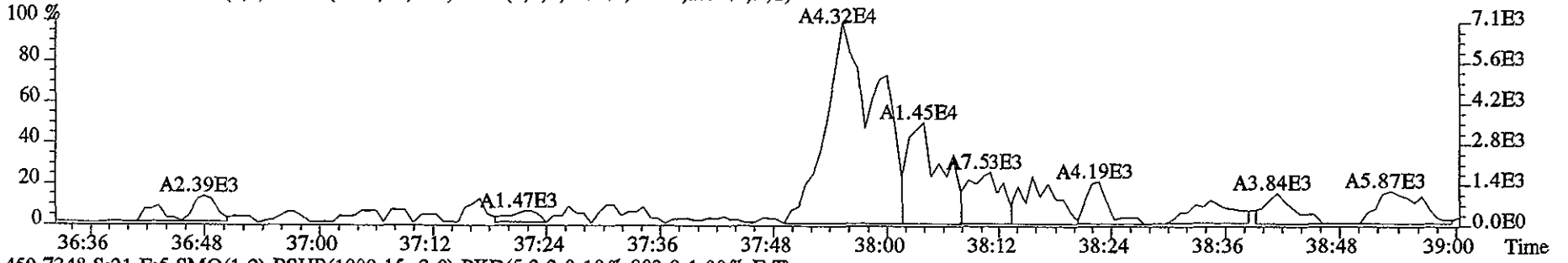
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A
441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,780.0,1.00%,F,T)

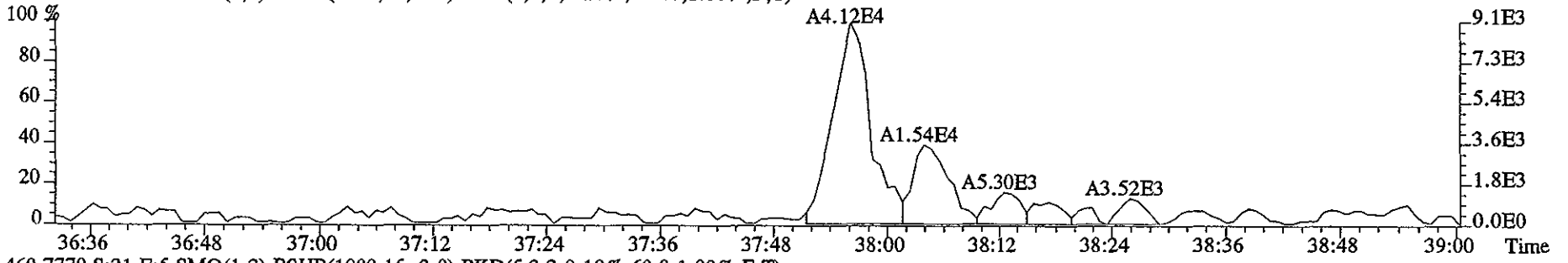


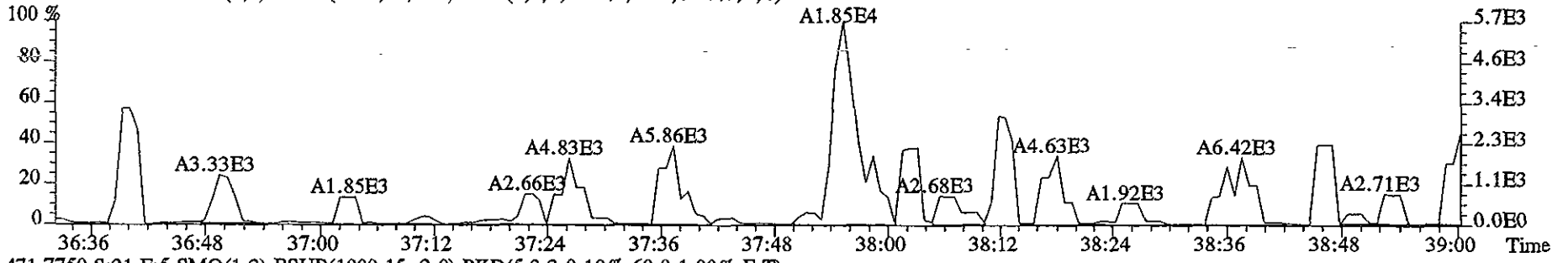
443.7399 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1096.0,1.00%,F,T)

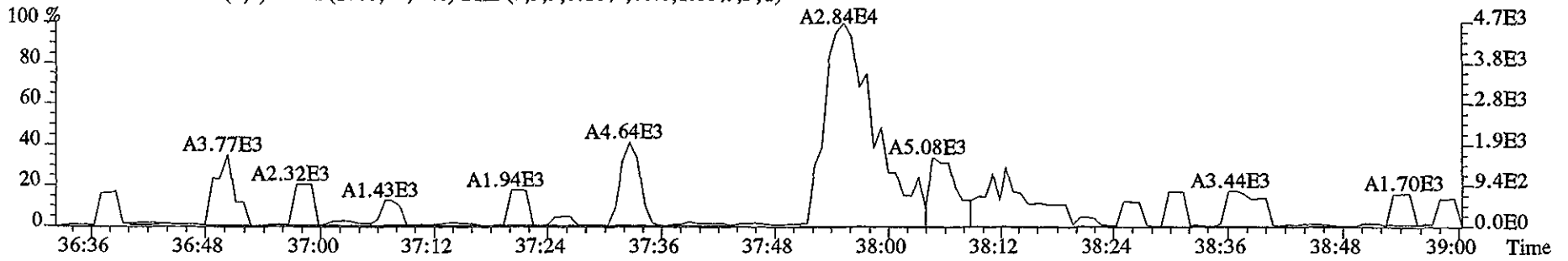


File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

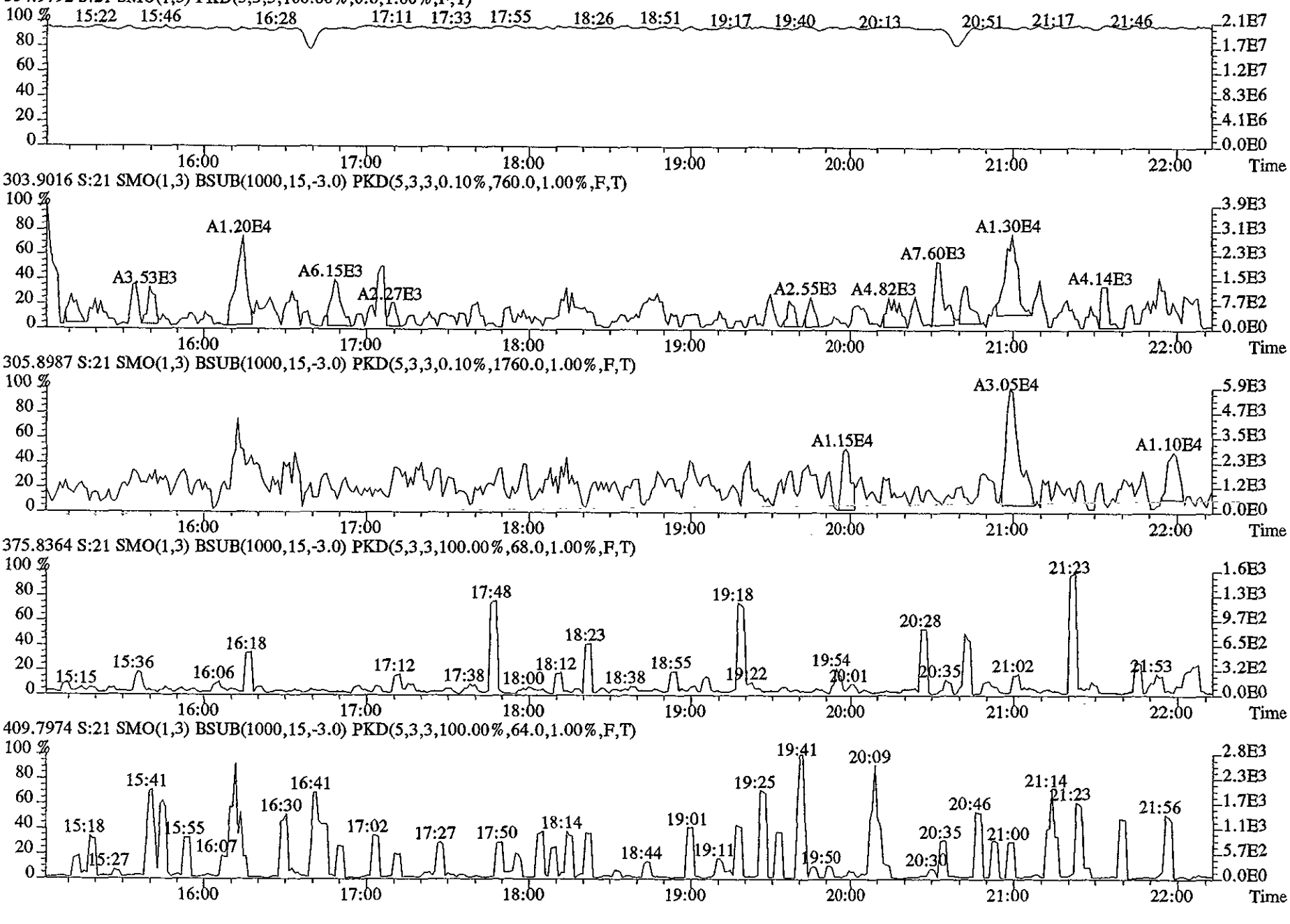




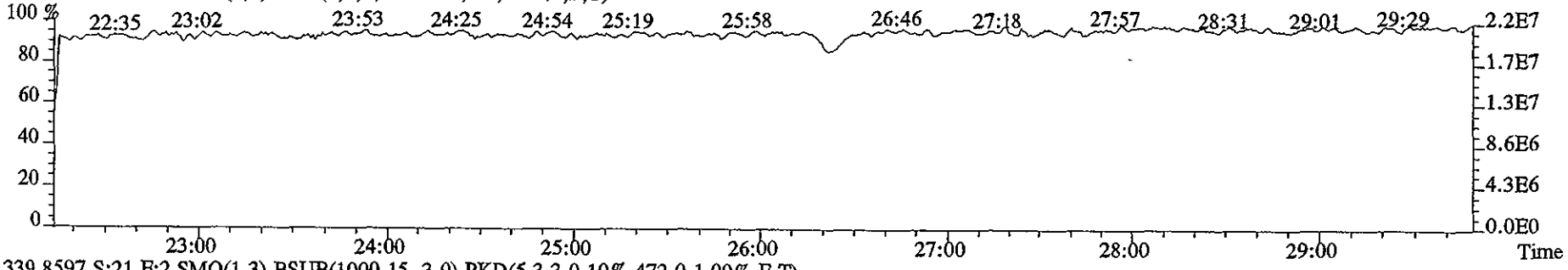


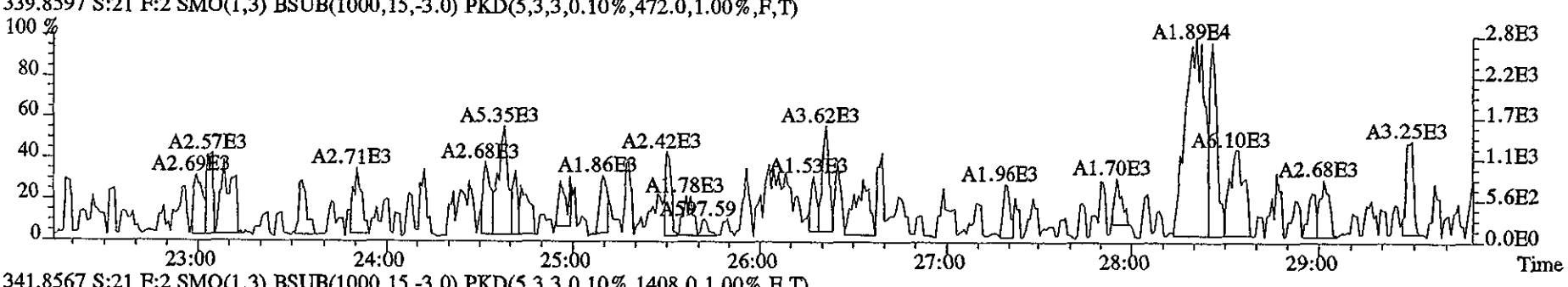


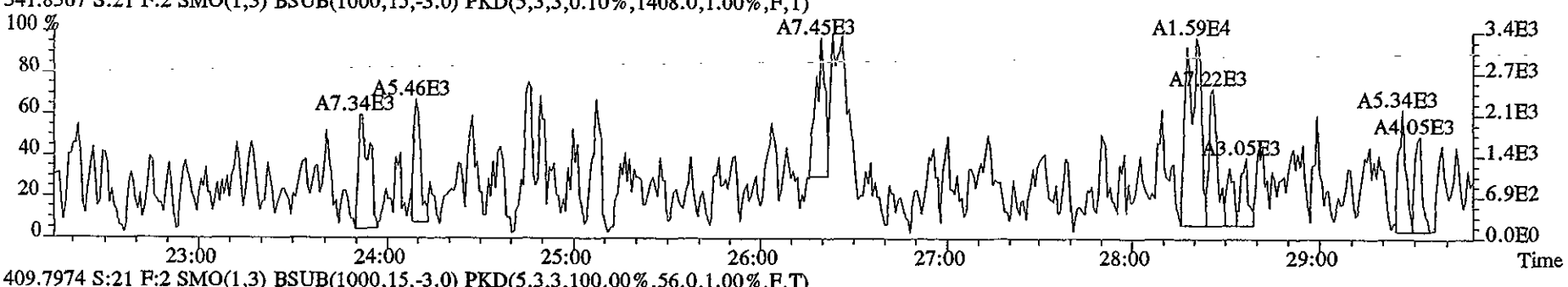
File:04MY10A4D5 #1-434 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

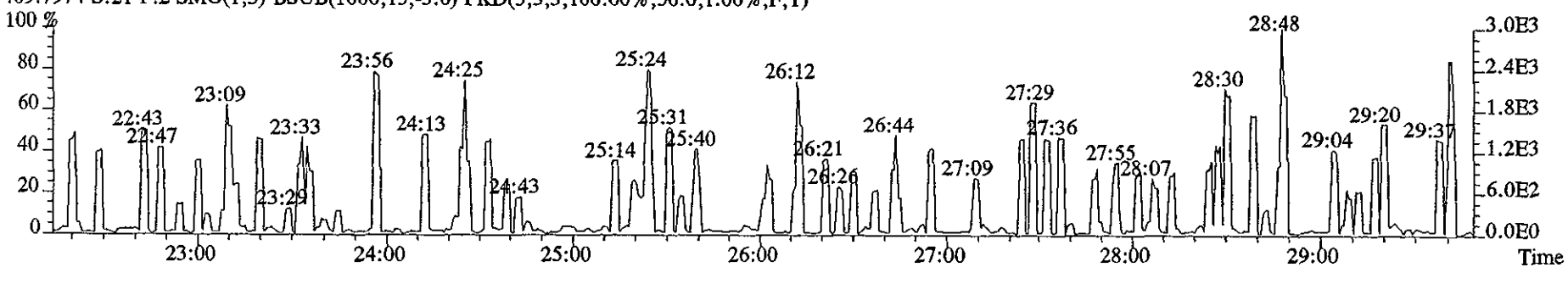


File:04MY10A4D5 #1-604 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

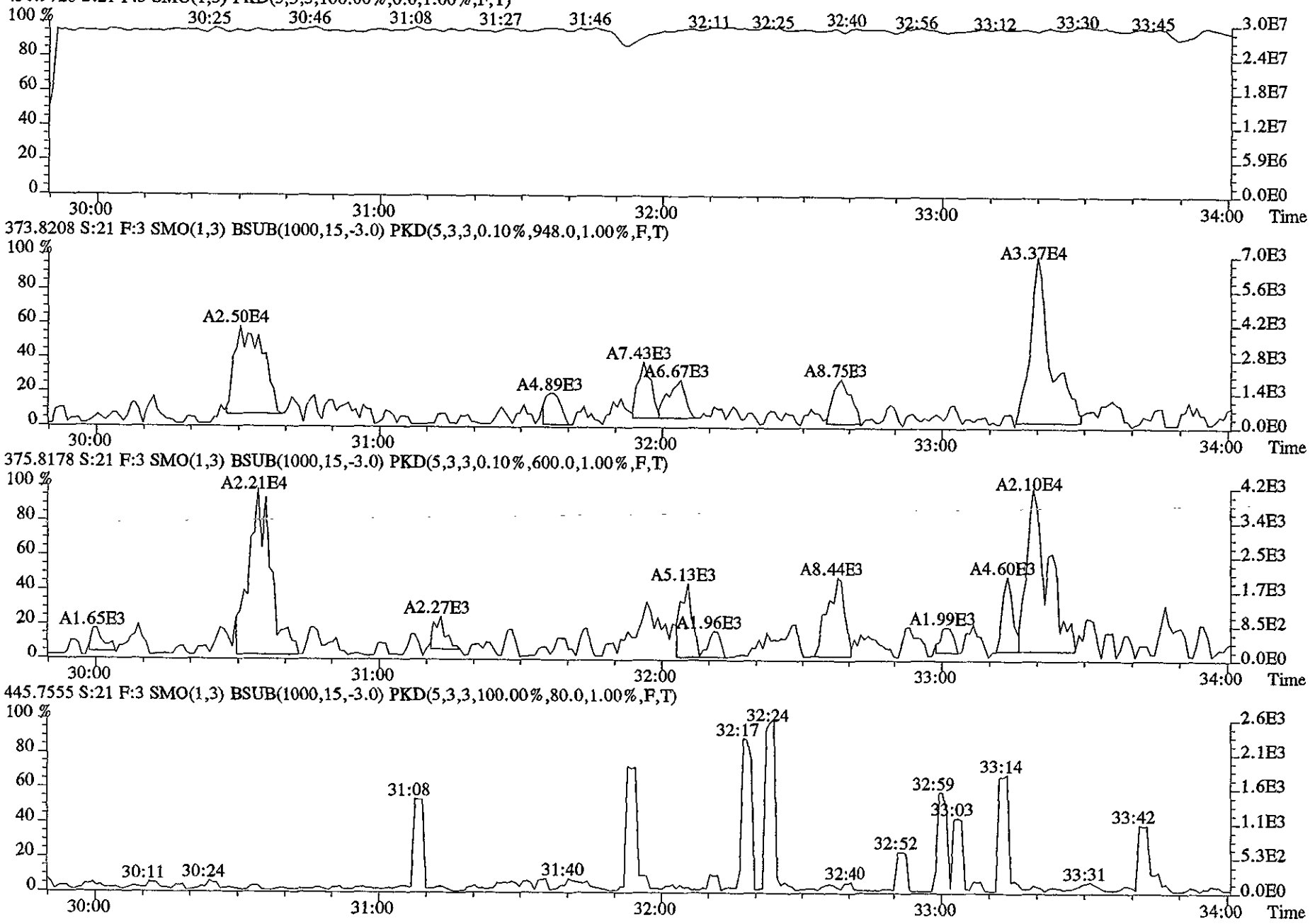




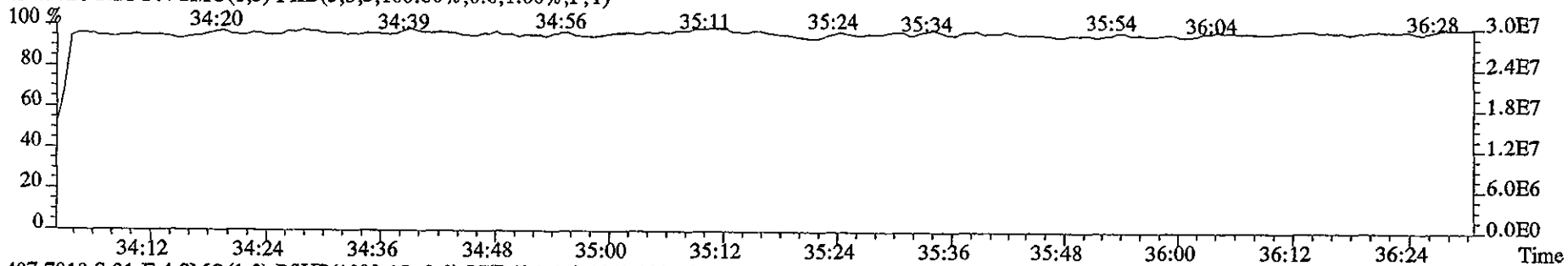


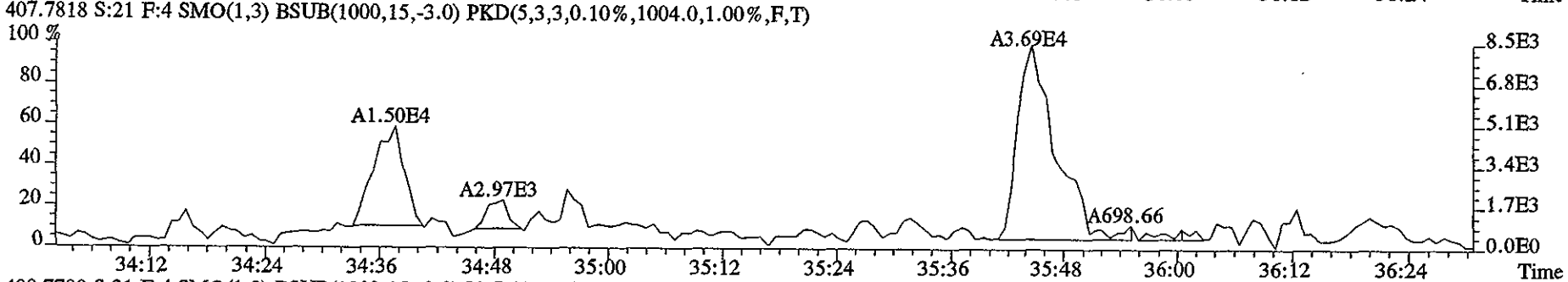


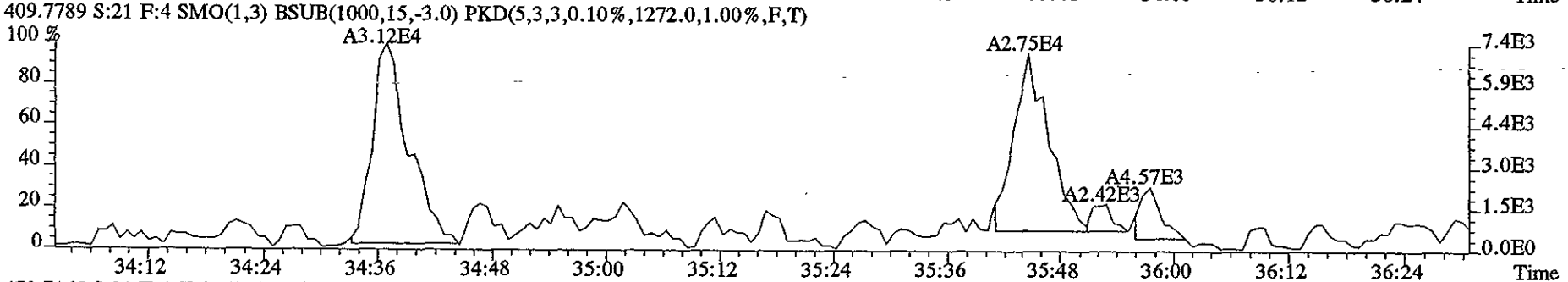
File:04MY10A4D5 #1-317 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

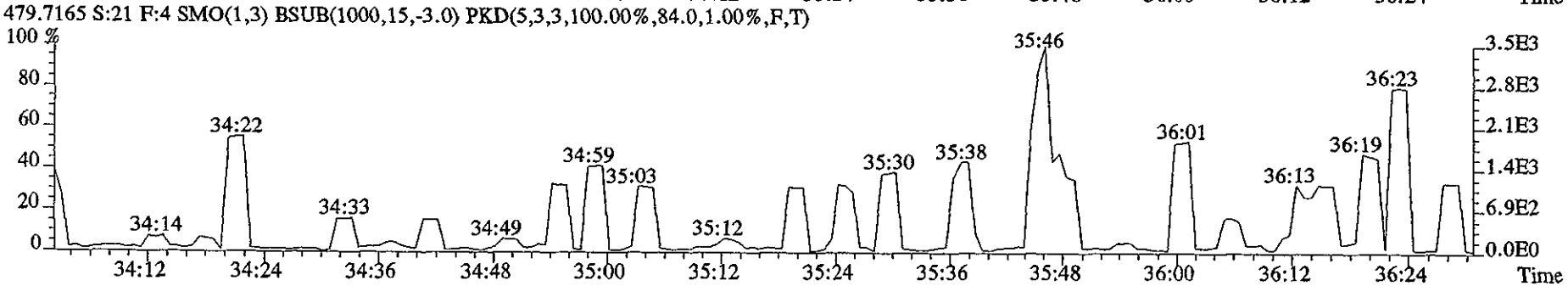


File:04MY10A4D5 #1-198 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A

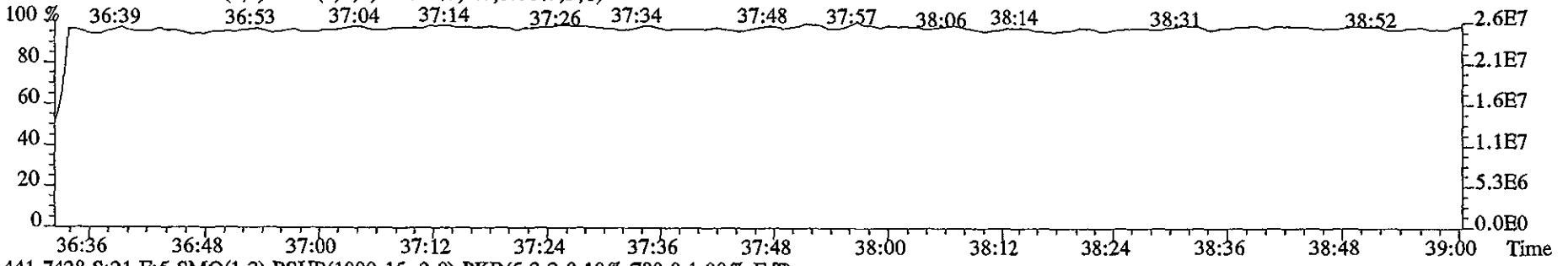




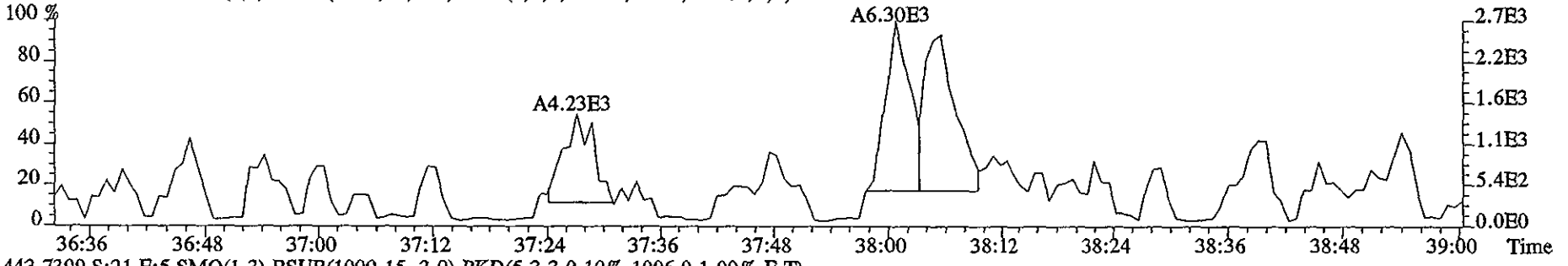




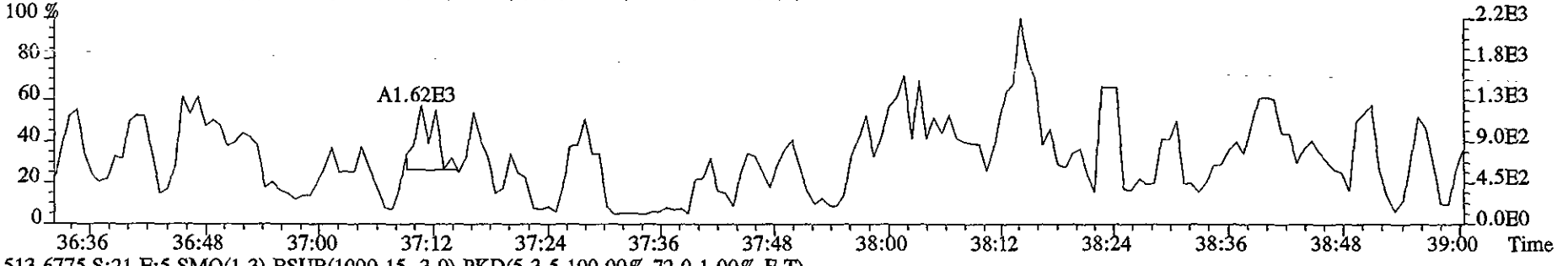
File:04MY10A4D5 #1-190 Acq: 5-MAY-2010 13:25:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0504D :Solvent Blank C-14 Exp:DIOXINRES8290A
442.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



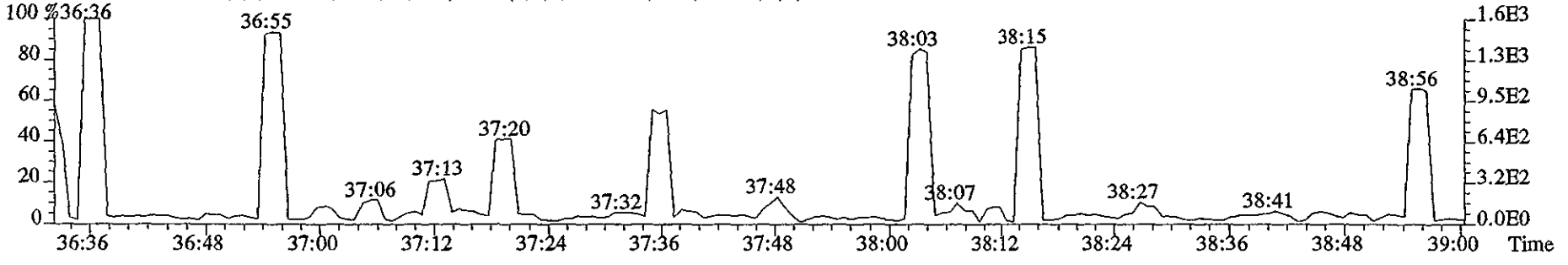
441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,780.0,1.00%,F,T)



443.7399 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1096.0,1.00%,F,T)

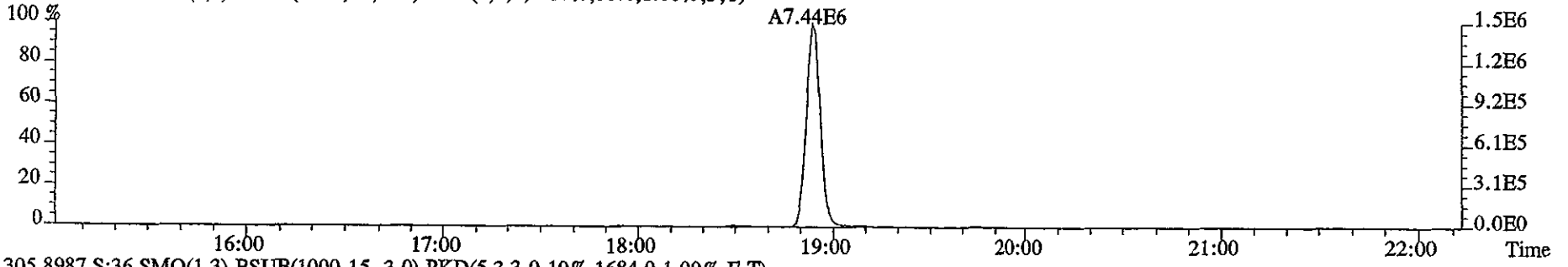


513.6775 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,72.0,1.00%,F,T)

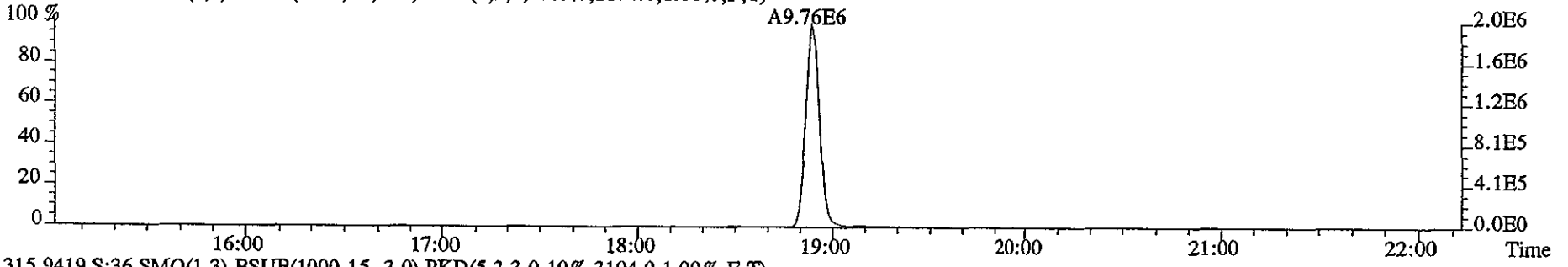


File:04MY10A4D5 #1-434 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

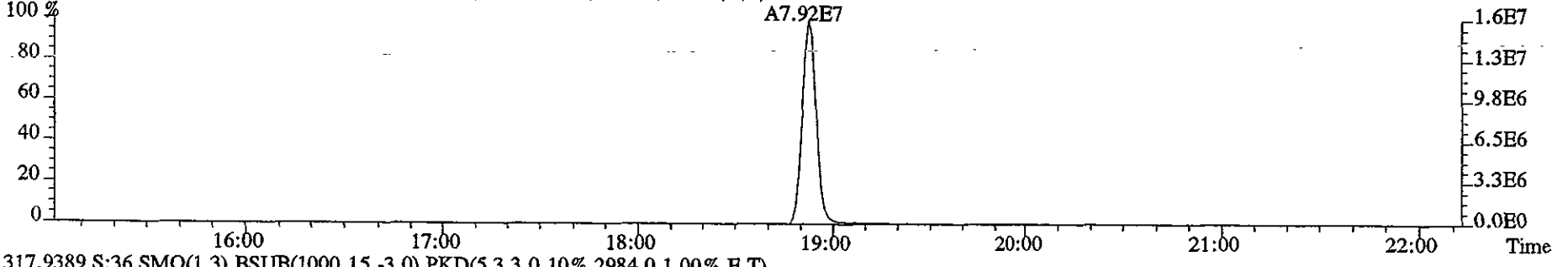
303.9016 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



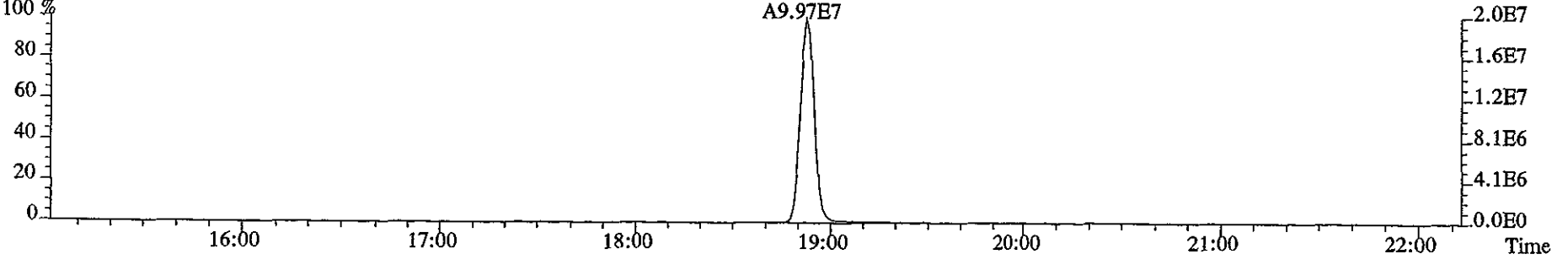
305.8987 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)



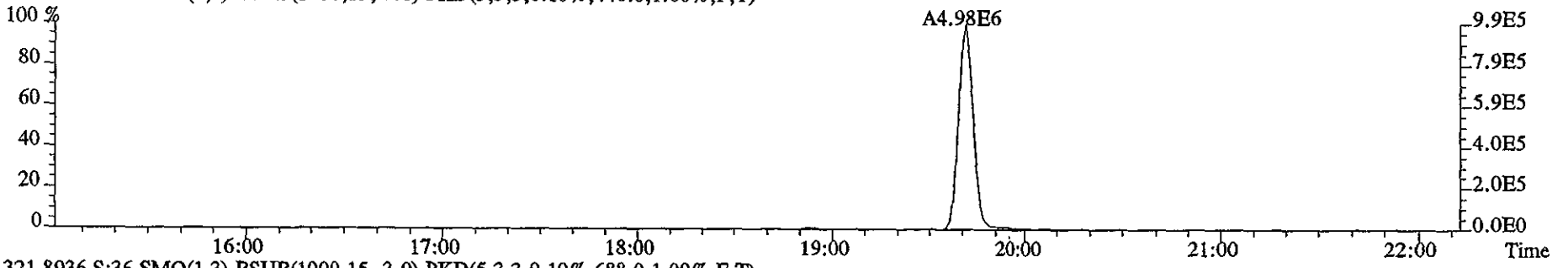
315.9419 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3104.0,1.00%,F,T)



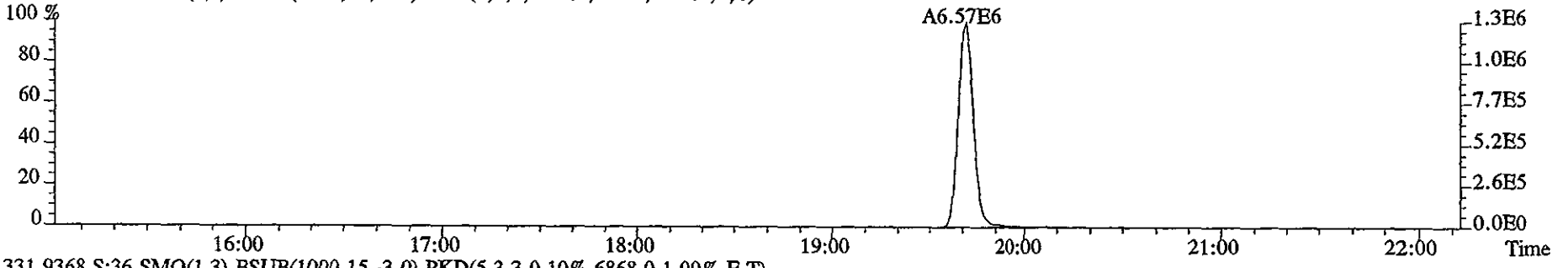
317.9389 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2984.0,1.00%,F,T)



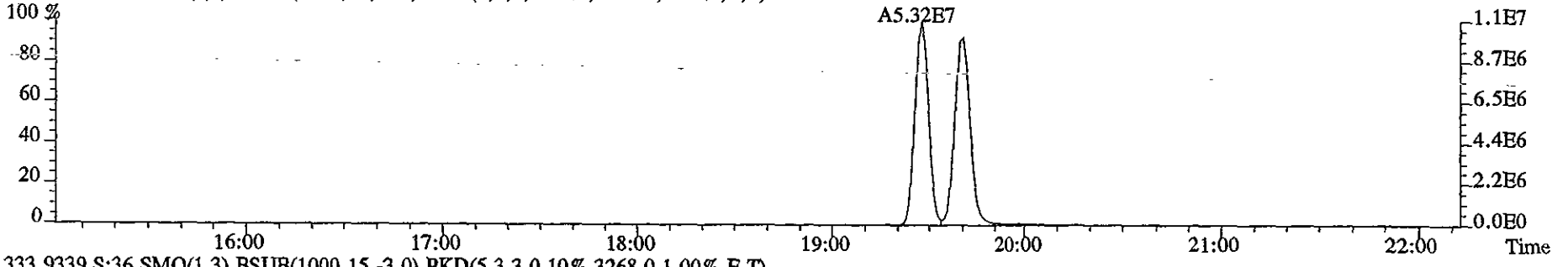
File:04MY10A4D5 #1-434 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
319.8965 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



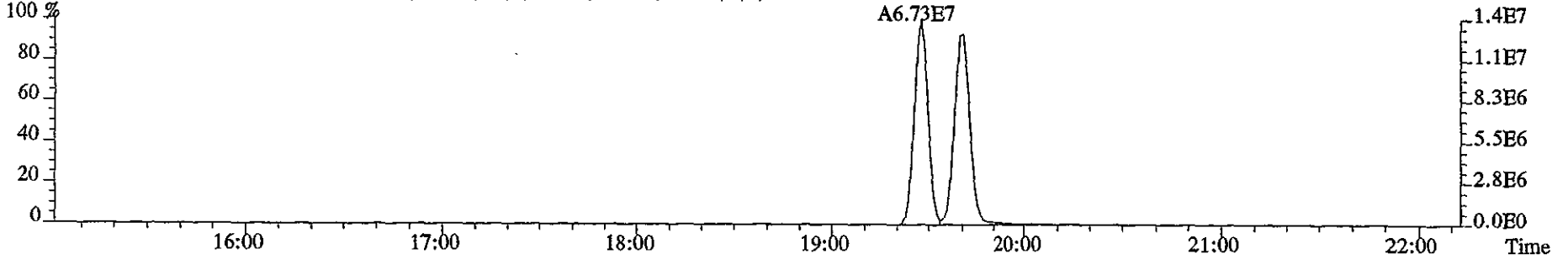
321.8936 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,688.0,1.00%,F,T)



331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6868.0,1.00%,F,T)

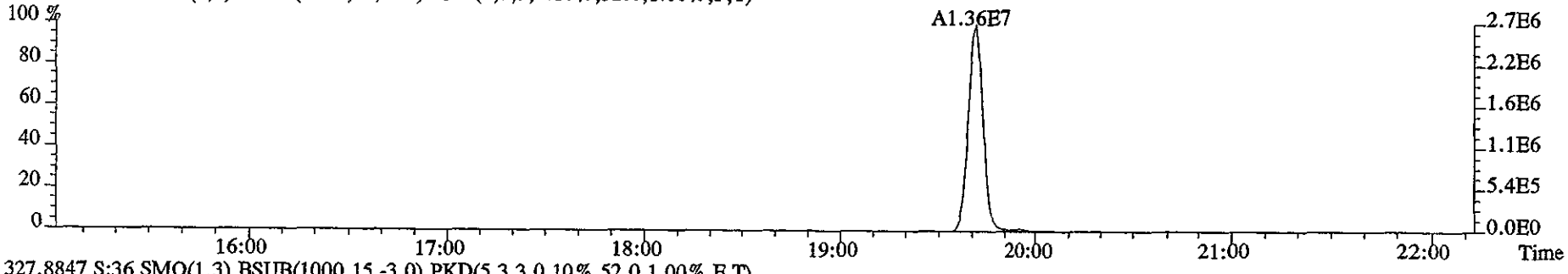


333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3268.0,1.00%,F,T)

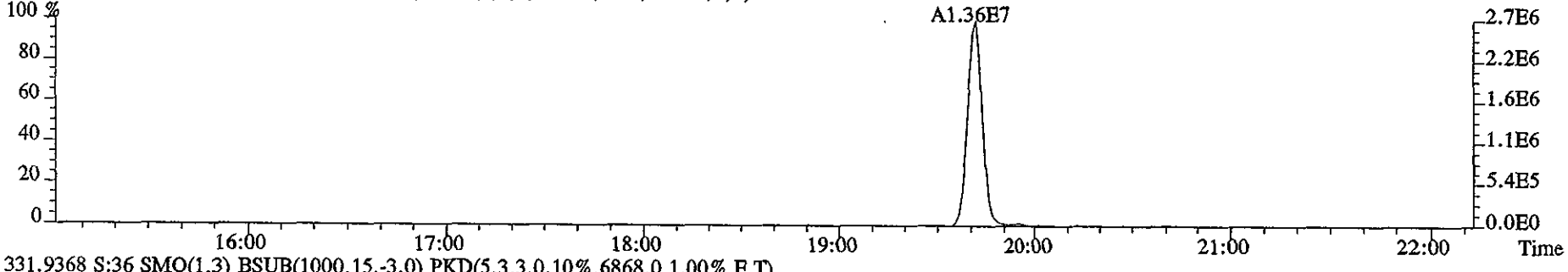


File:04MY10A4D5 #1-434 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

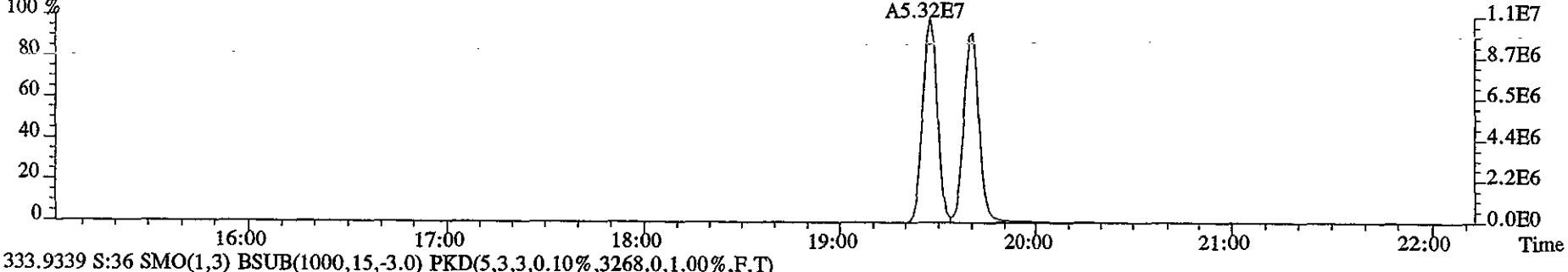
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



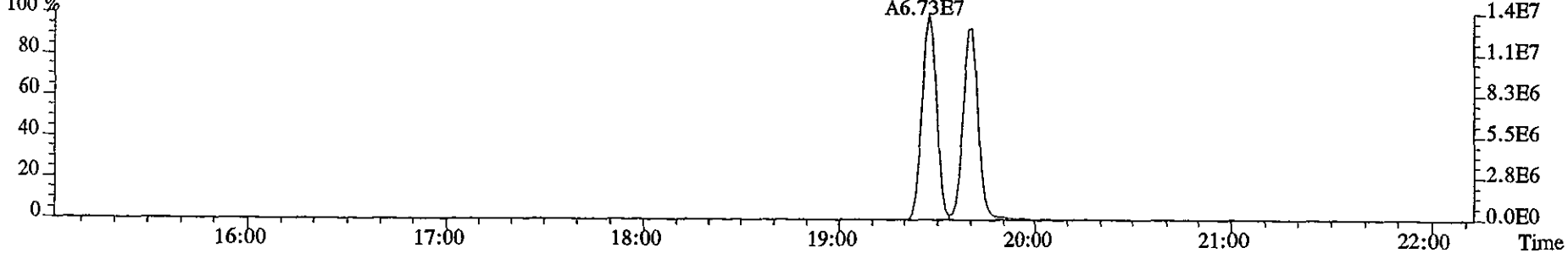
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



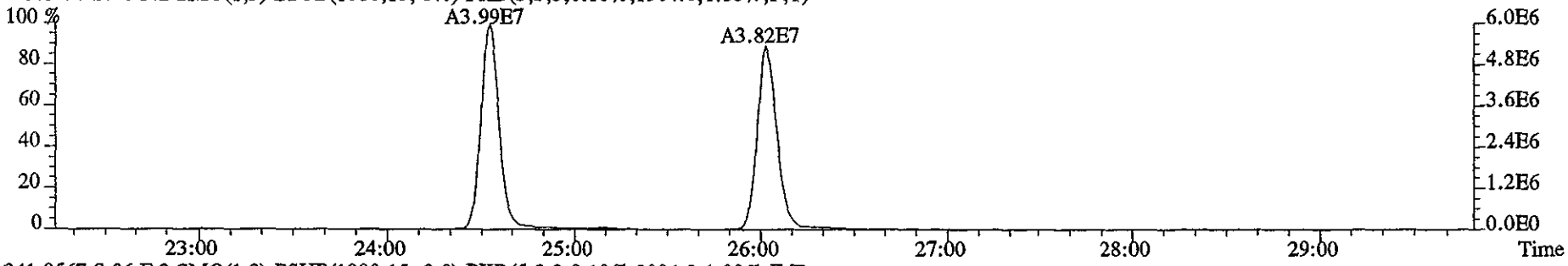
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6868.0,1.00%,F,T)



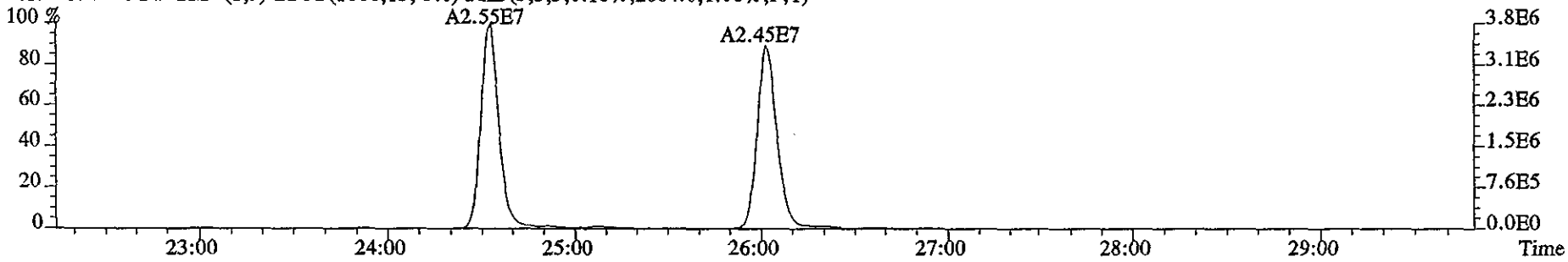
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3268.0,1.00%,F,T)



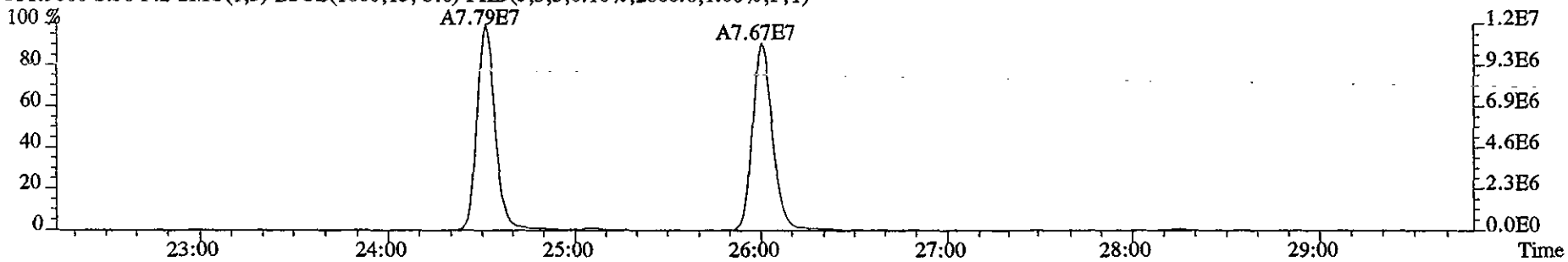
File:04MY10A4D5 #1-604 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1904.0,1.00%,F,T)



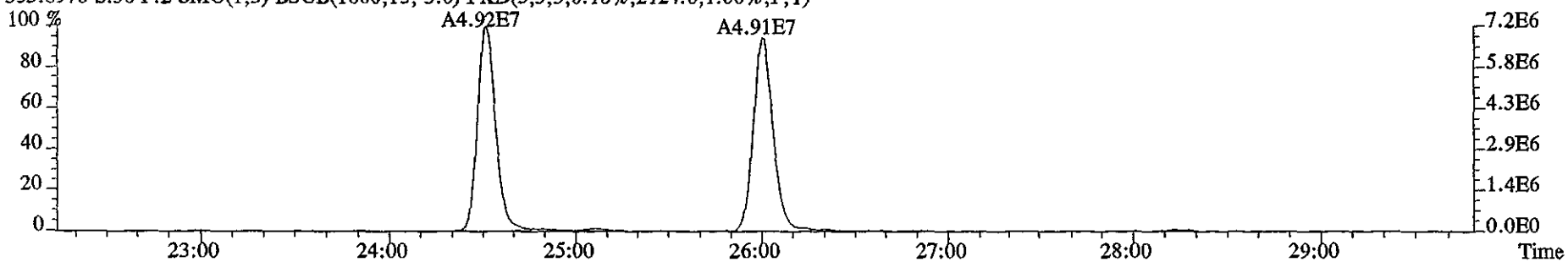
341.8567 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2004.0,1.00%,F,T)



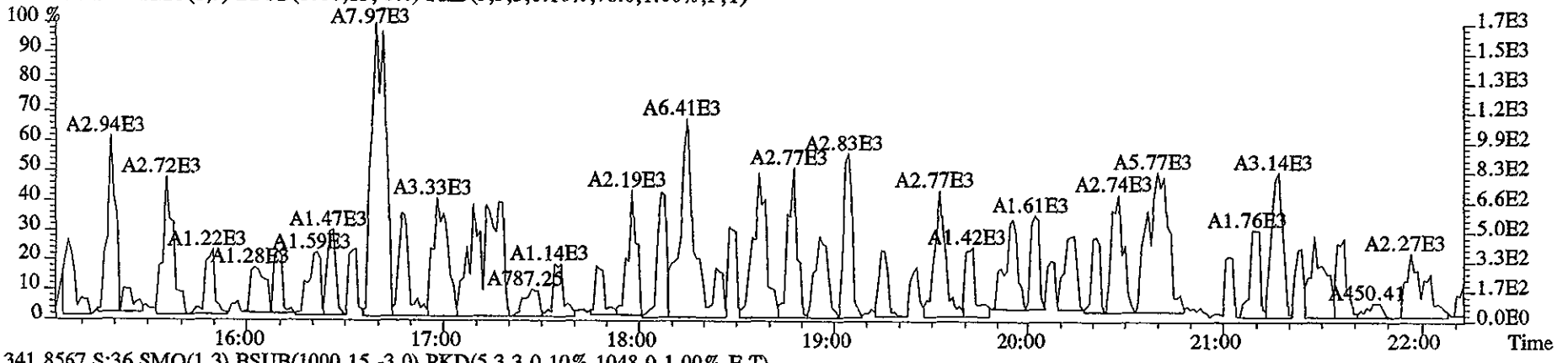
351.9000 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2868.0,1.00%,F,T)



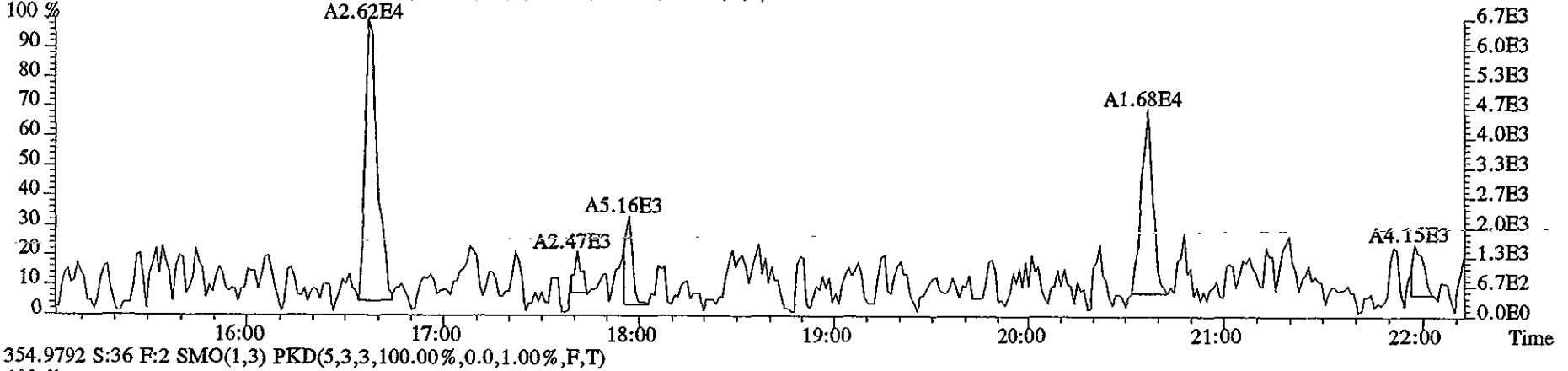
353.8970 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2124.0,1.00%,F,T)



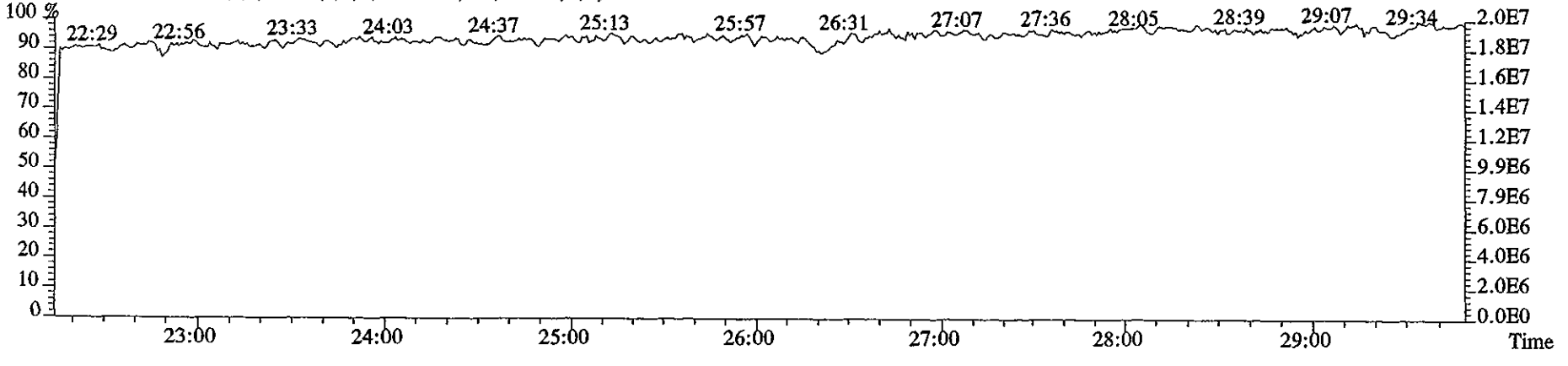
File:04MY10A4D5 #1-434 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



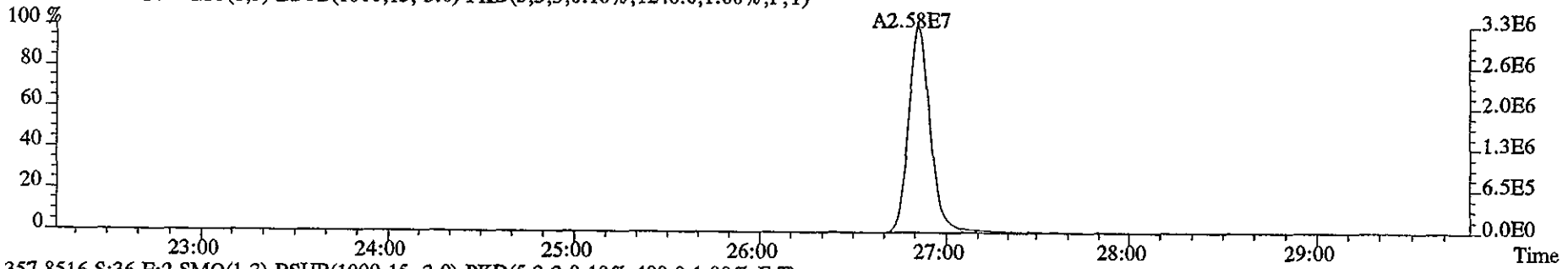
341.8567 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1048.0,1.00%,F,T)



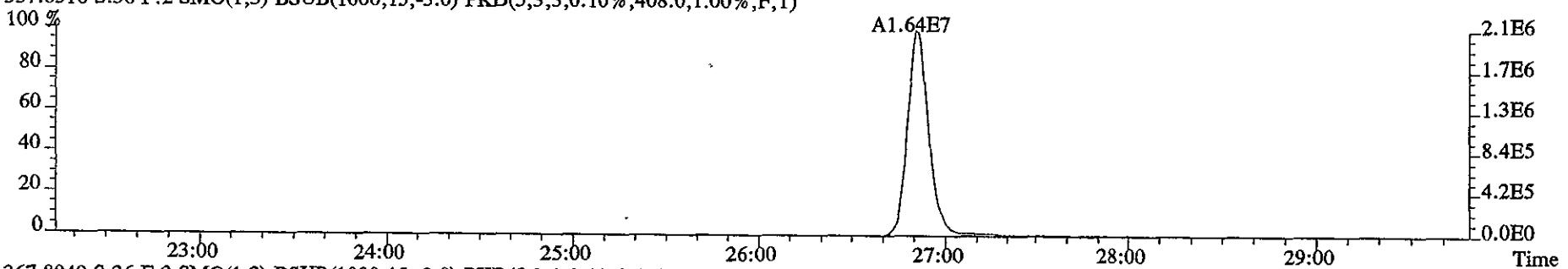
354.9792 S:36 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



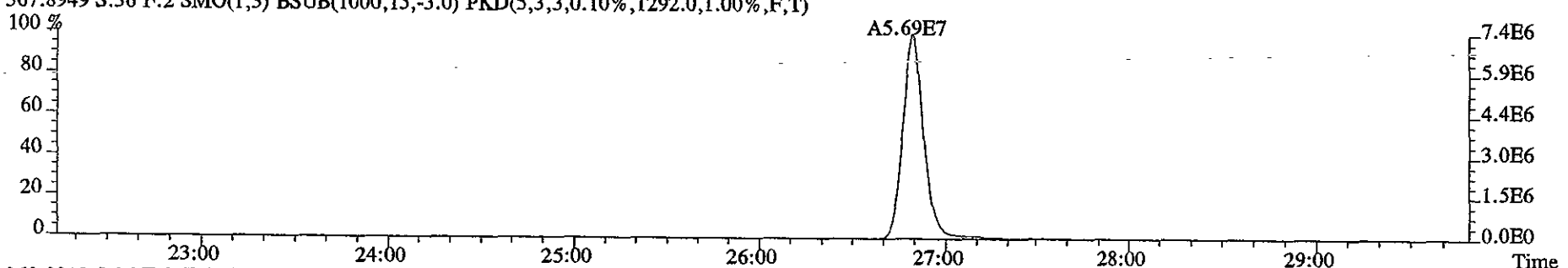
File:04MY10A4D5 #1-604 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
355.8546 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1240.0,1.00%,F,T)



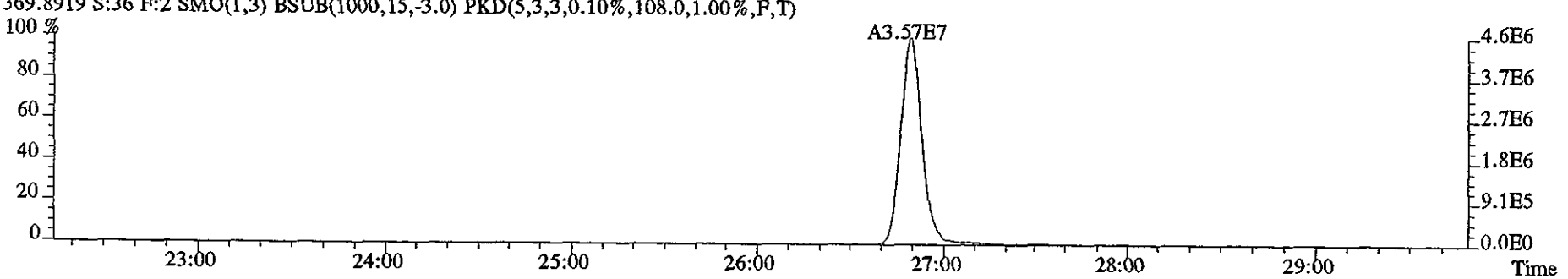
357.8516 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,408.0,1.00%,F,T)



367.8949 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1292.0,1.00%,F,T)

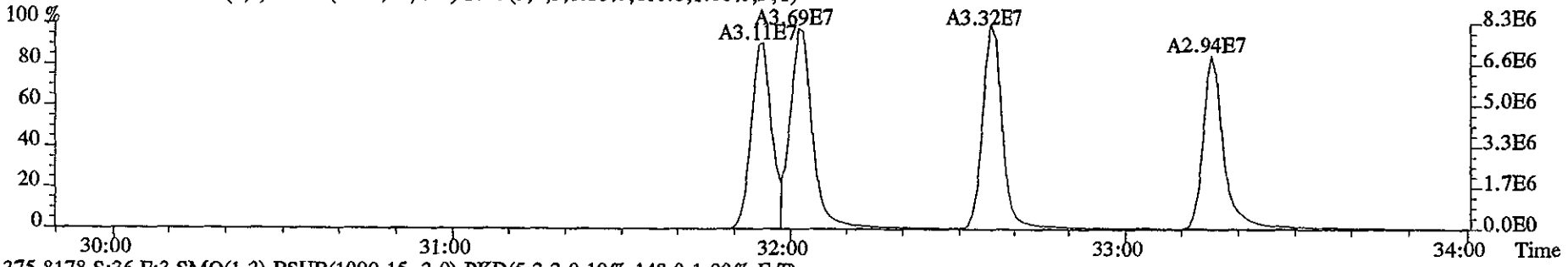


369.8919 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)

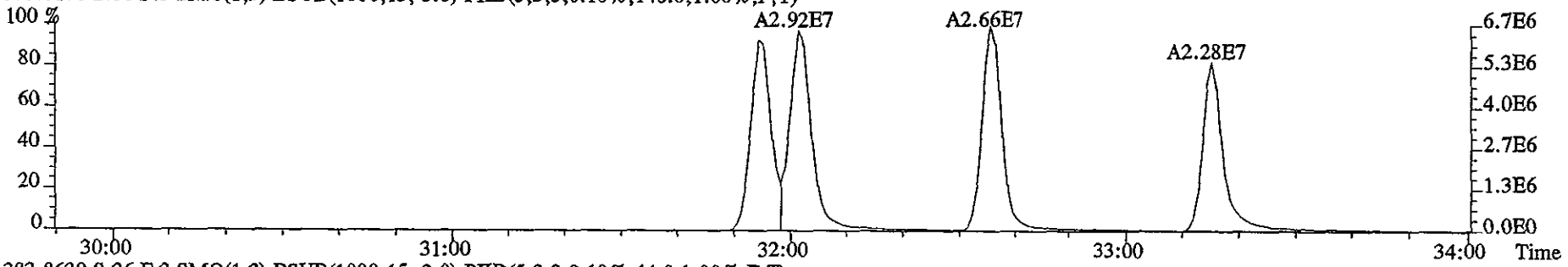


File:04MY10A4D5 #1-317 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

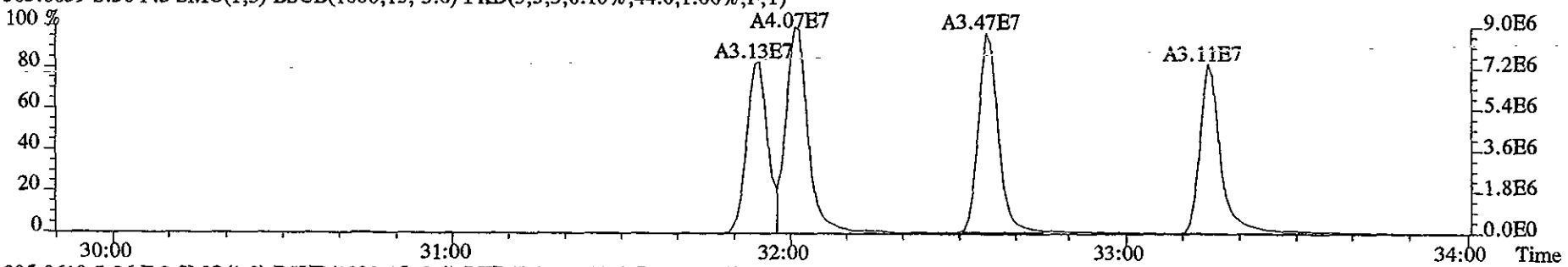
373.8208 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)



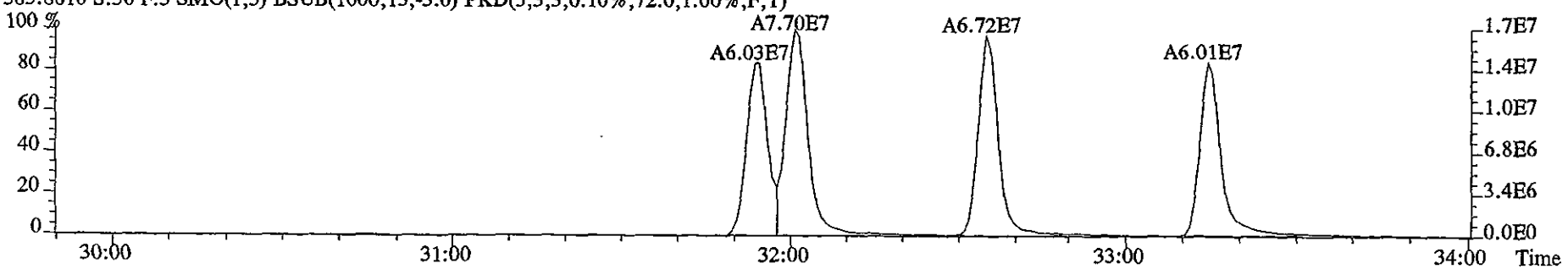
375.8178 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)



383.8639 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)

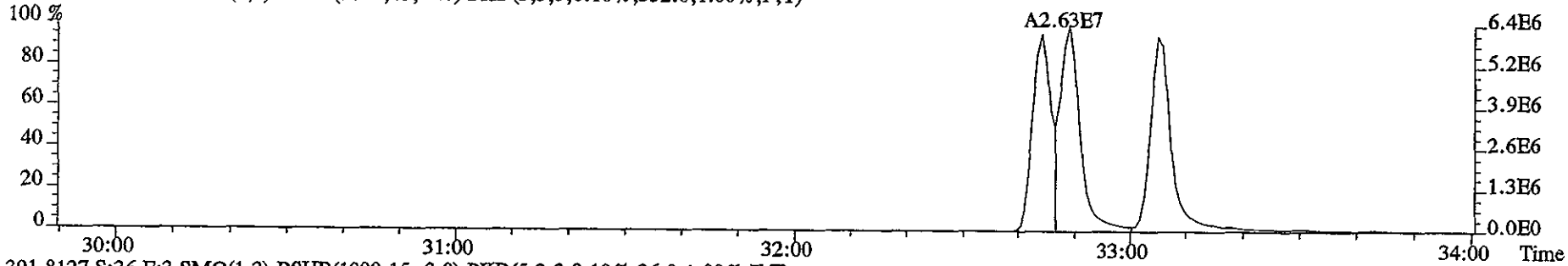


385.8610 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

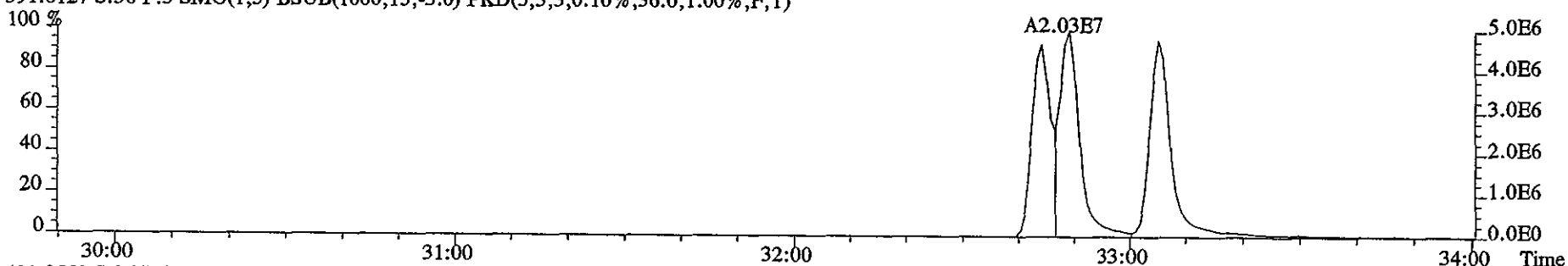


File:04MY10A4D5 #1-317 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

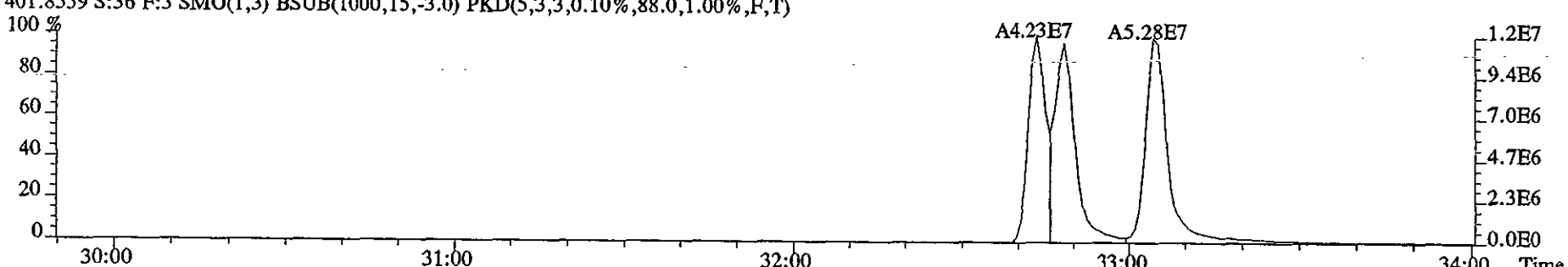
389.8157 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,352.0,1.00%,F,T)



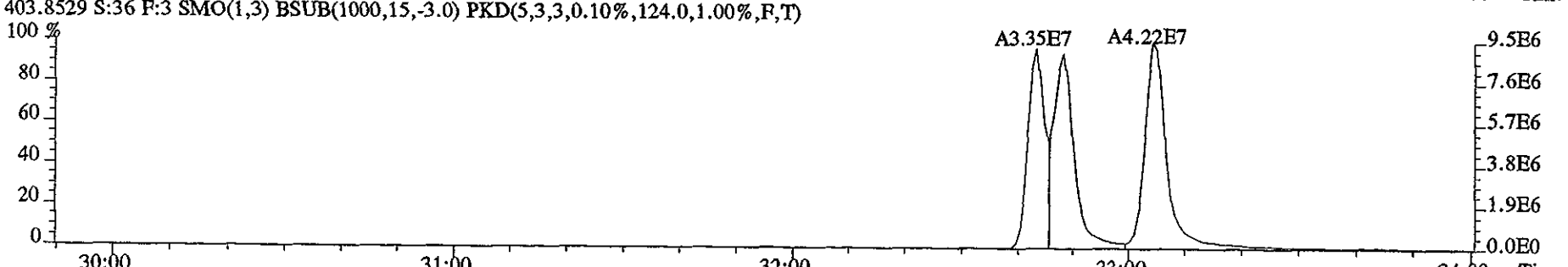
391.8127 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36.0,1.00%,F,T)



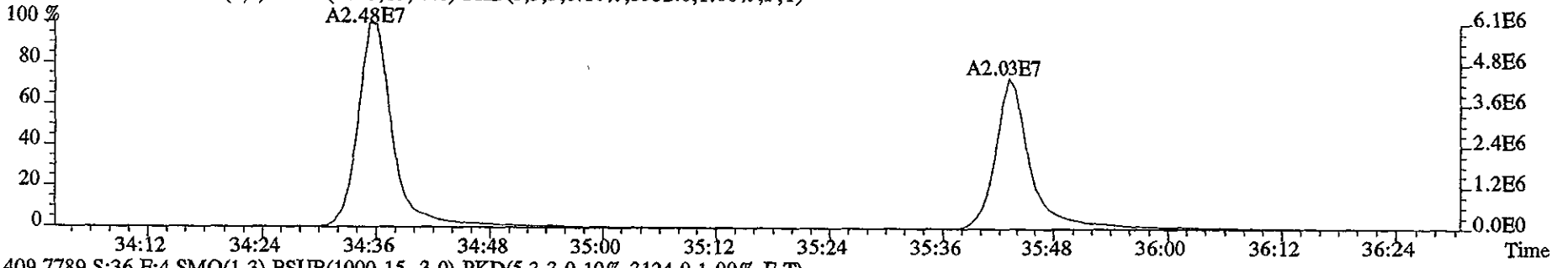
401.8559 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



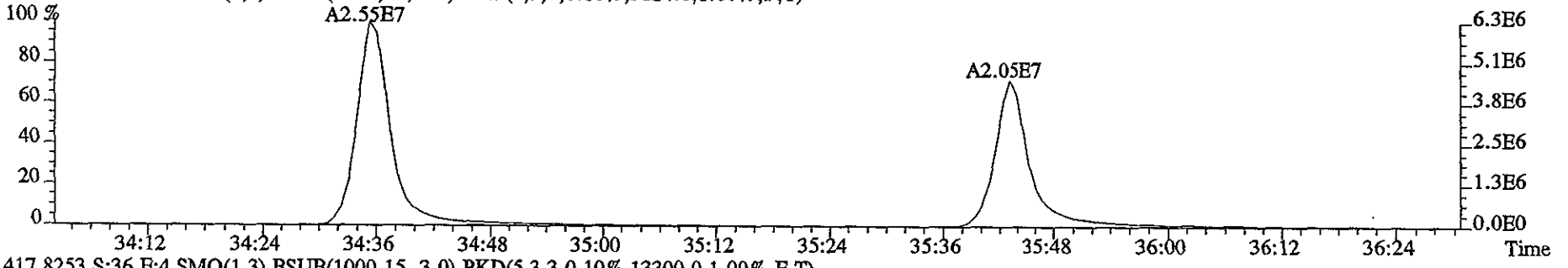
403.8529 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)



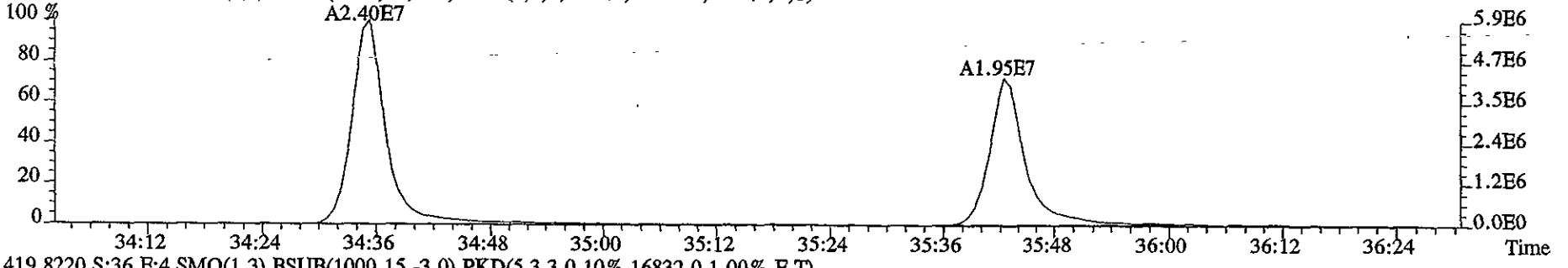
File:04MY10A4D5 #1-198 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5952.0,1.00%,F,T)



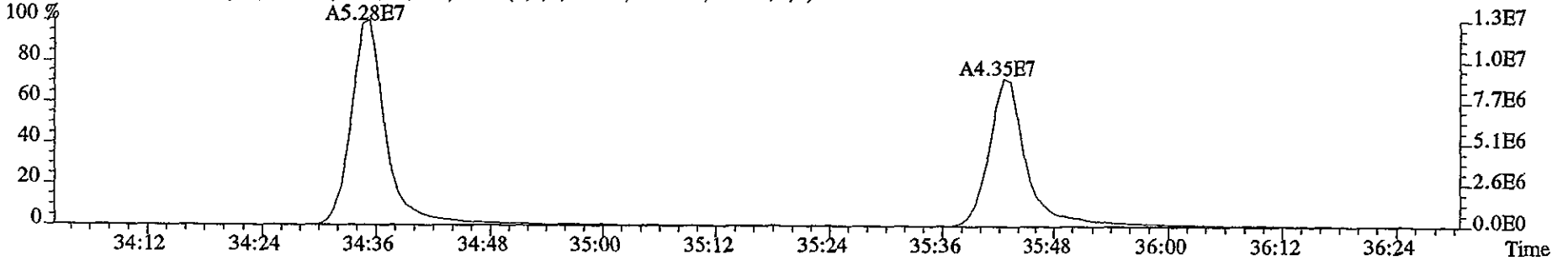
409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3124.0,1.00%,F,T)



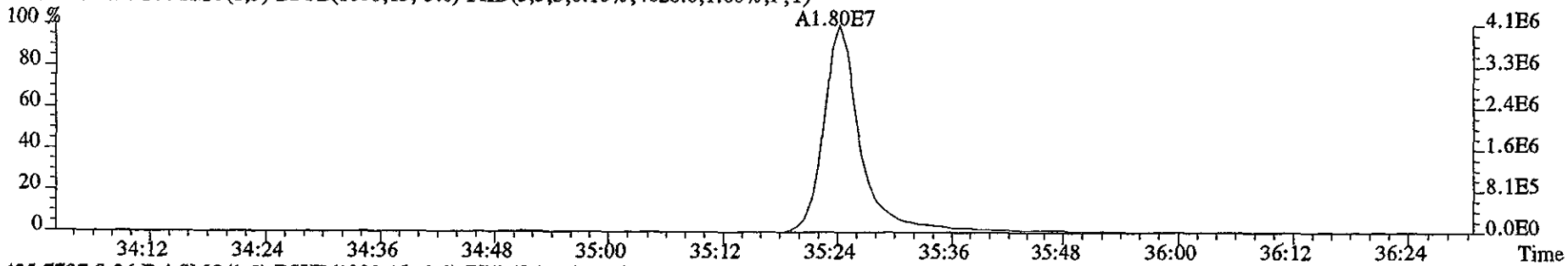
417.8253 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13300.0,1.00%,F,T)



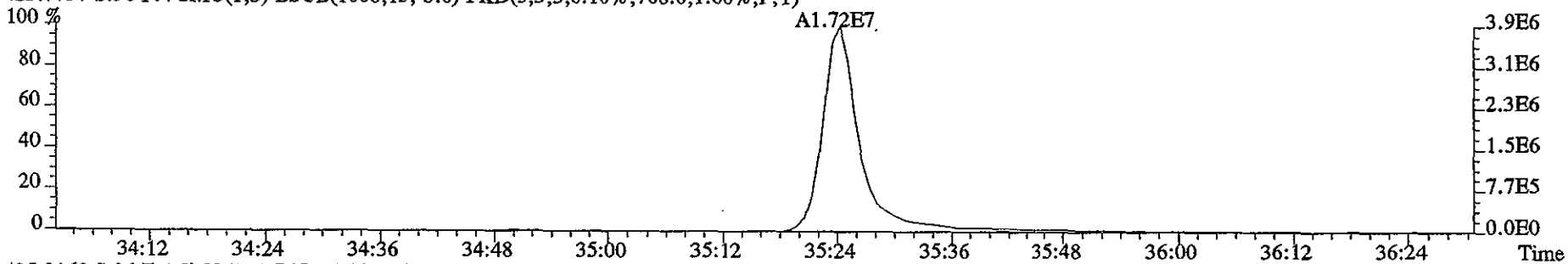
419.8220 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16832.0,1.00%,F,T)



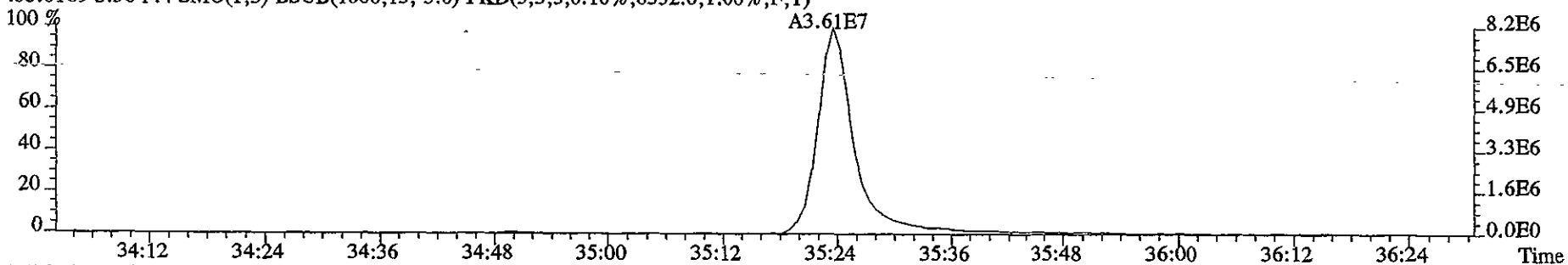
File:04MY10A4D5 #1-198 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
423.7766 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4628.0,1.00%,F,T)



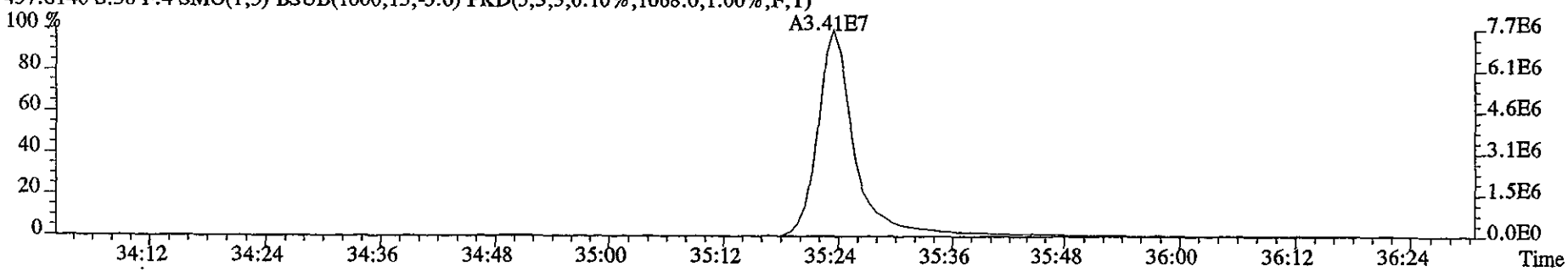
425.7737 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,768.0,1.00%,F,T)



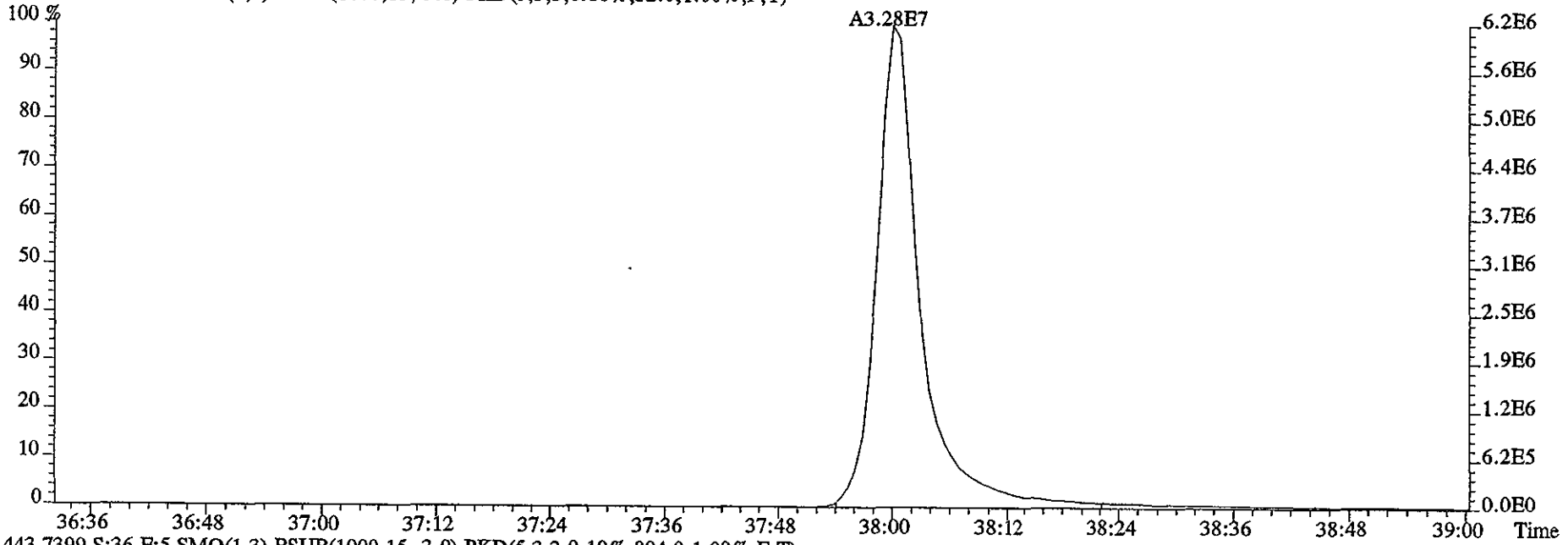
435.8169 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8332.0,1.00%,F,T)



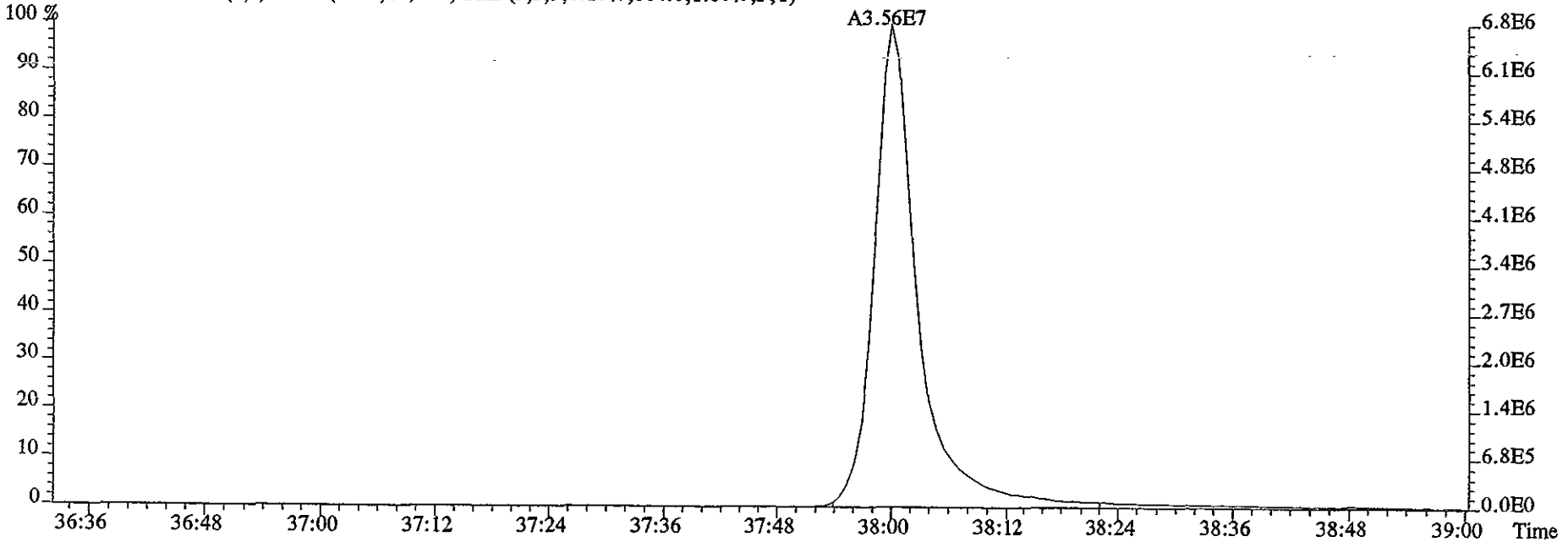
437.8140 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1068.0,1.00%,F,T)



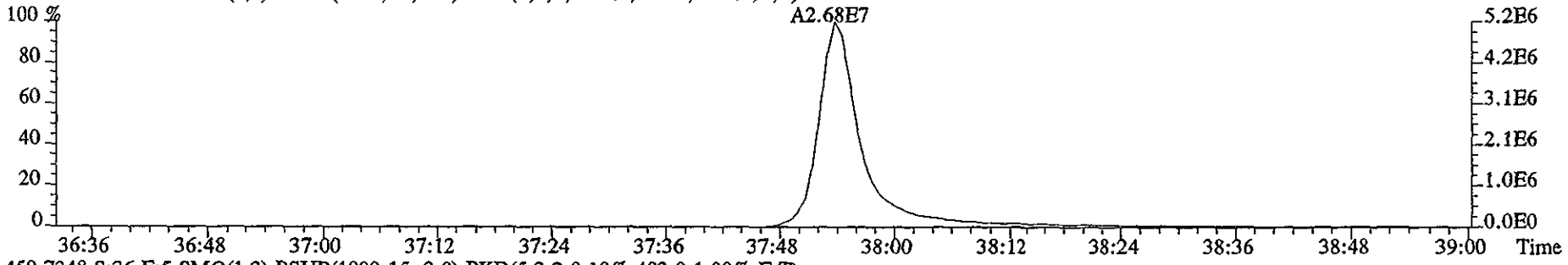
File:04MY10A4D5 #1-190 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



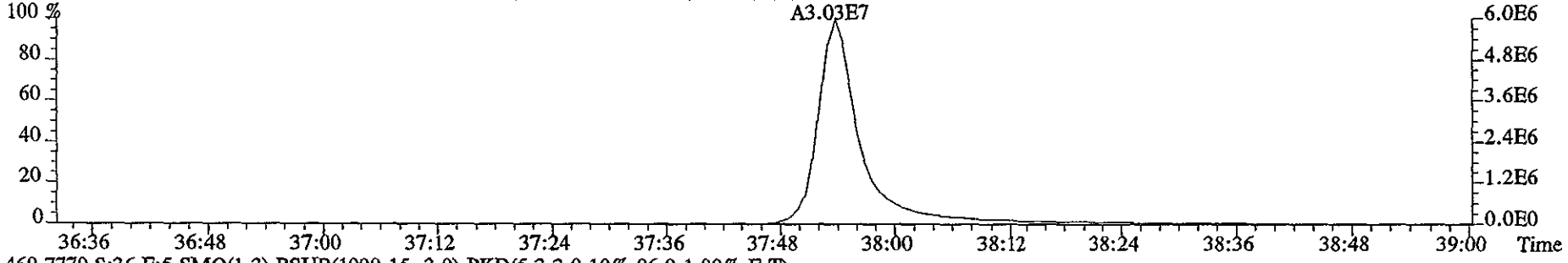
443.7399 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,804.0,1.00%,F,T)



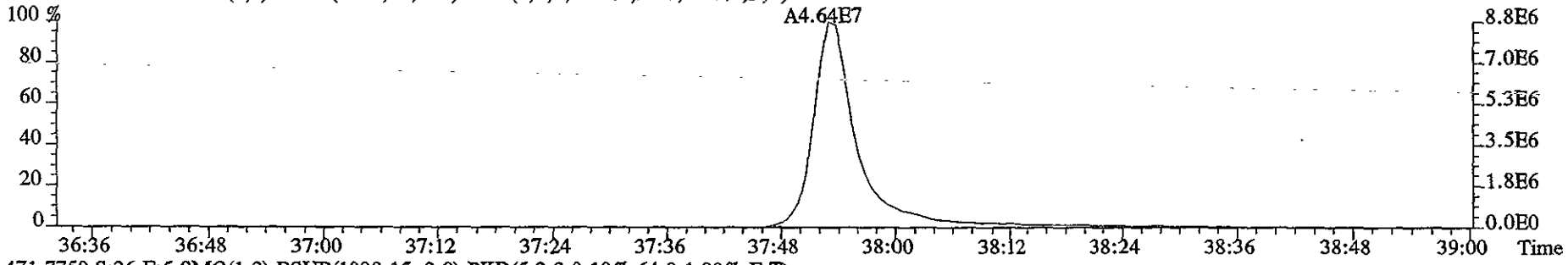
File:04MY10A4D5 #1-190 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A
457.7377 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,424.0,1.00%,F,T)



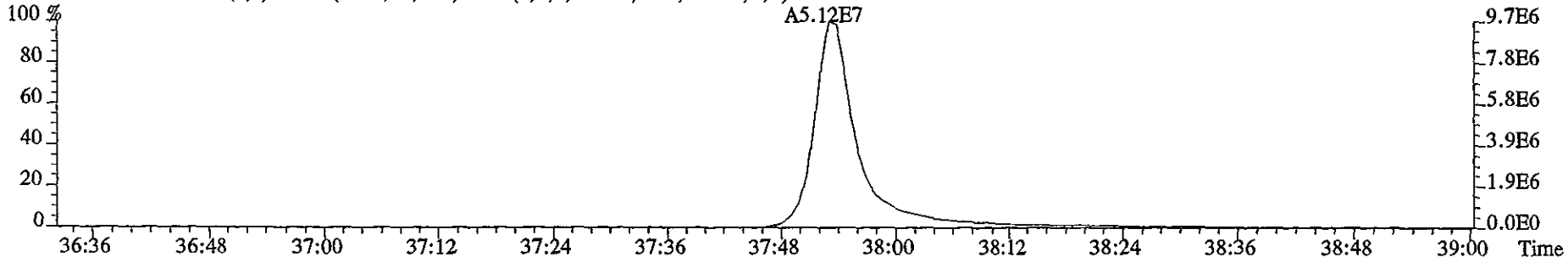
459.7348 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,492.0,1.00%,F,T)



469.7779 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)

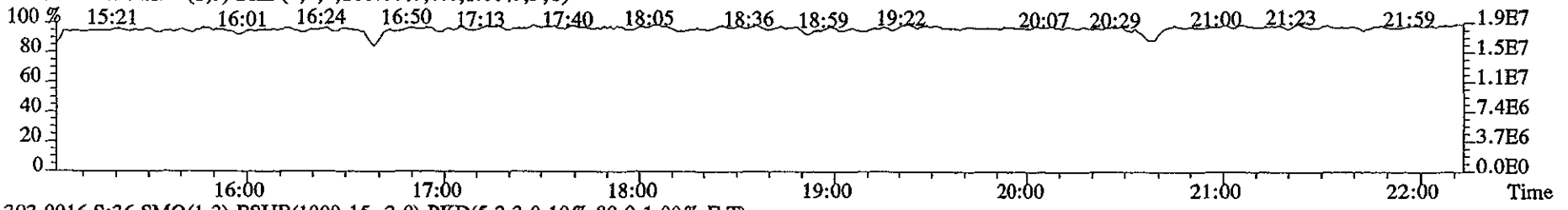


471.7750 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)

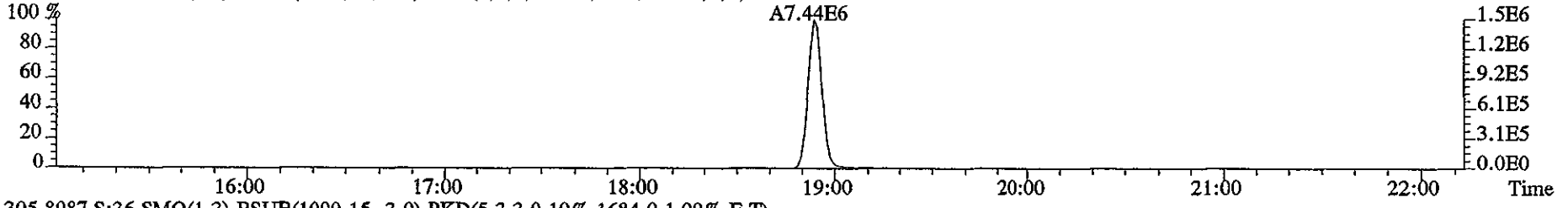


File:04MY10A4D5 #1-434 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

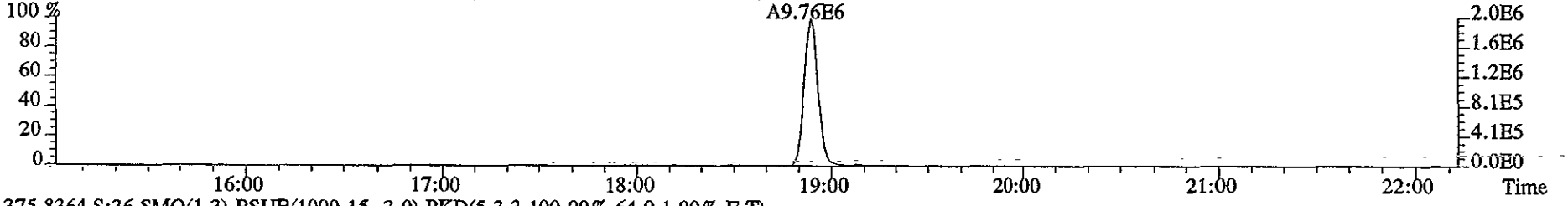
354.9792 S:36 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



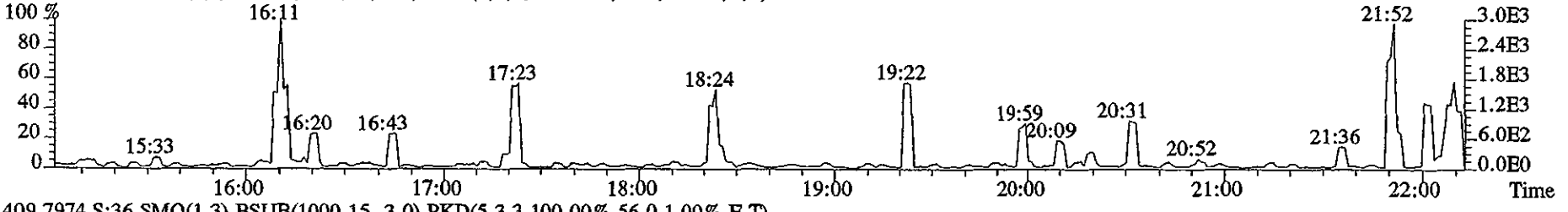
303.9016 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



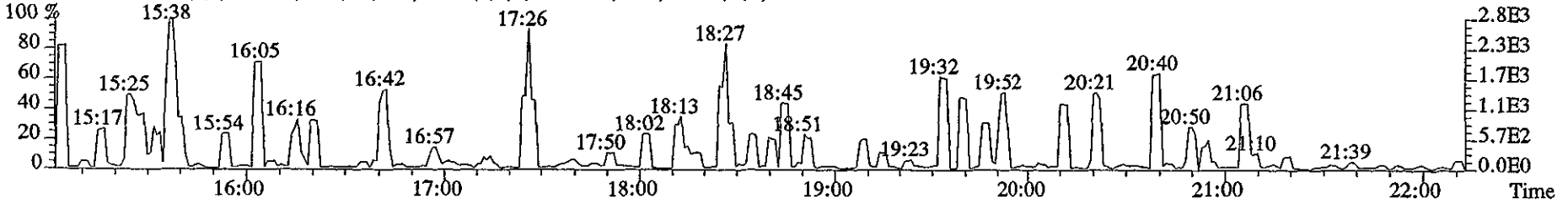
305.8987 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)



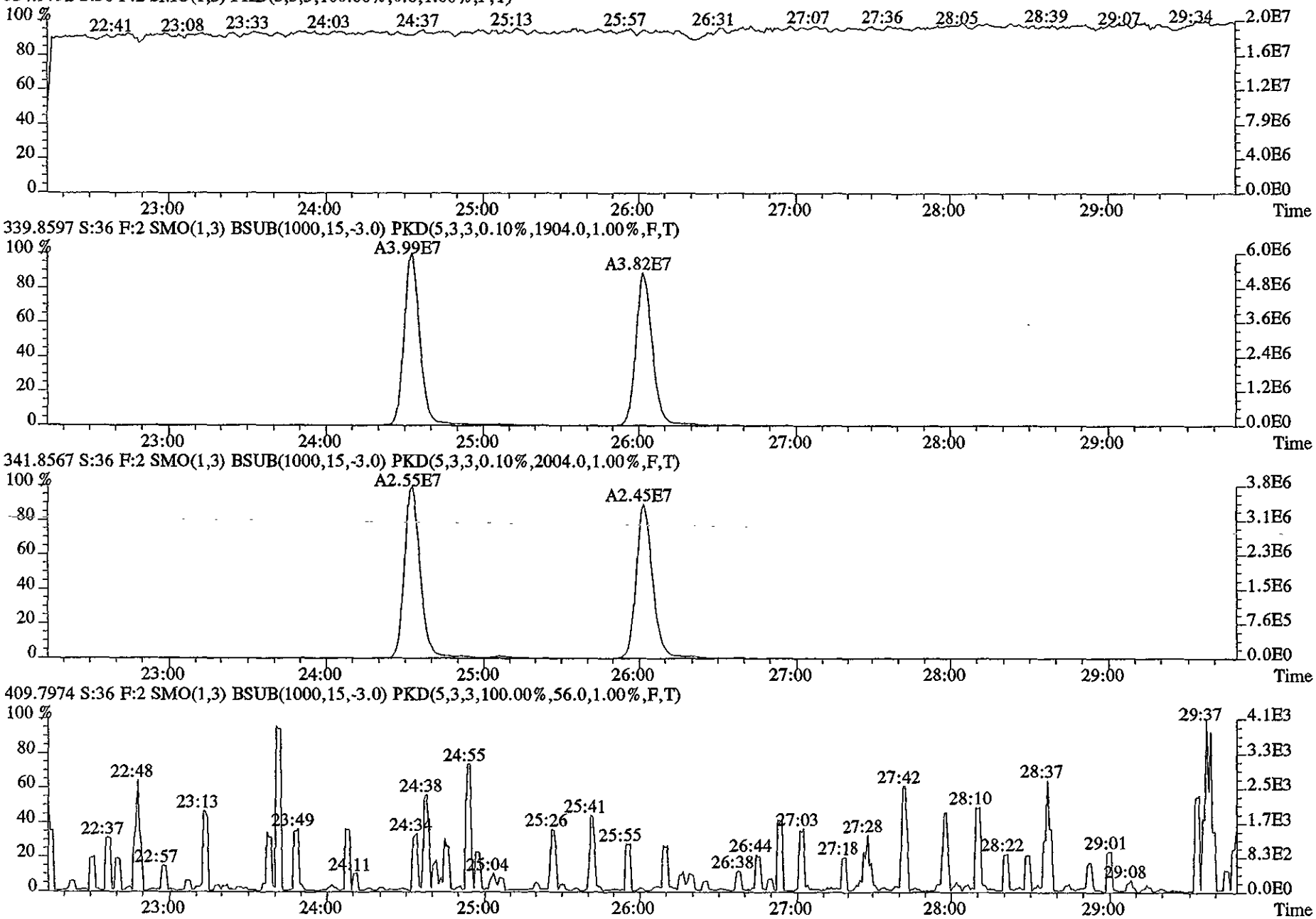
375.8364 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,64.0,1.00%,F,T)



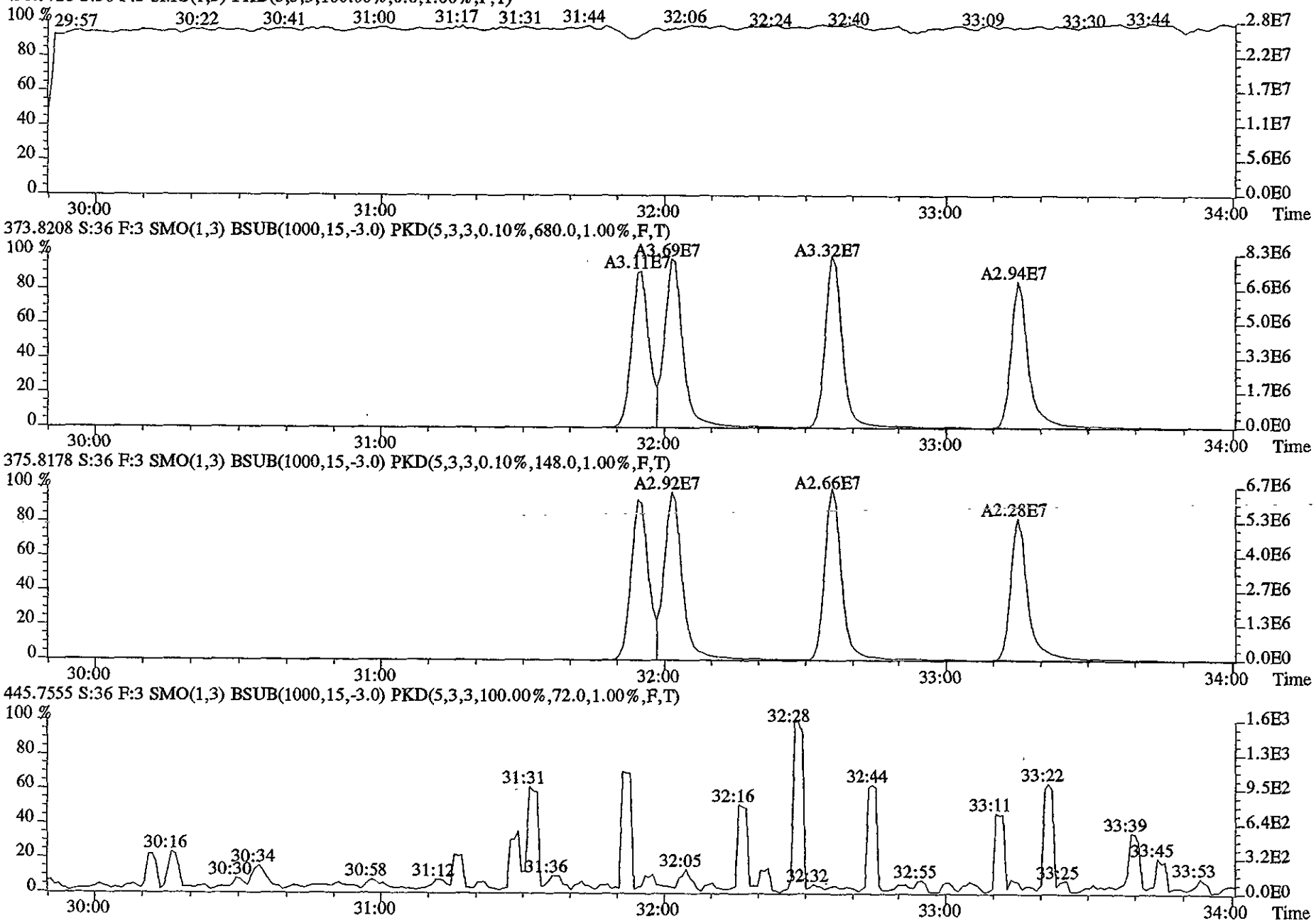
409.7974 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



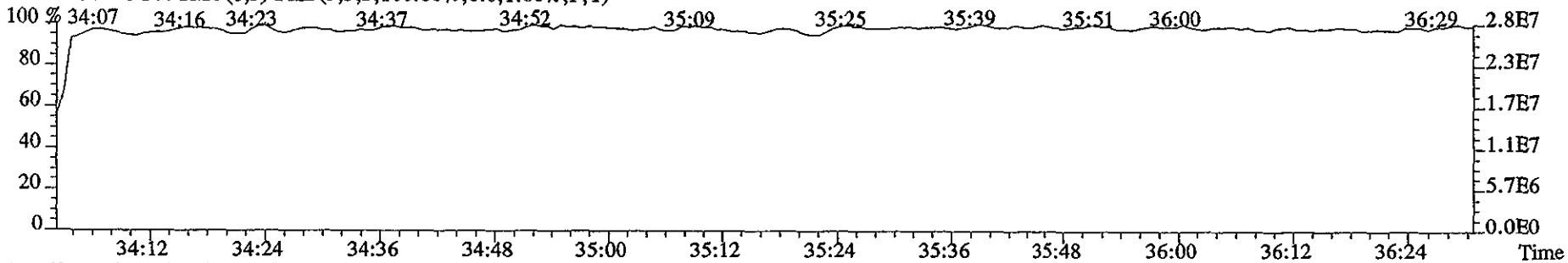
File:04MY10A4D5 #1-604 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

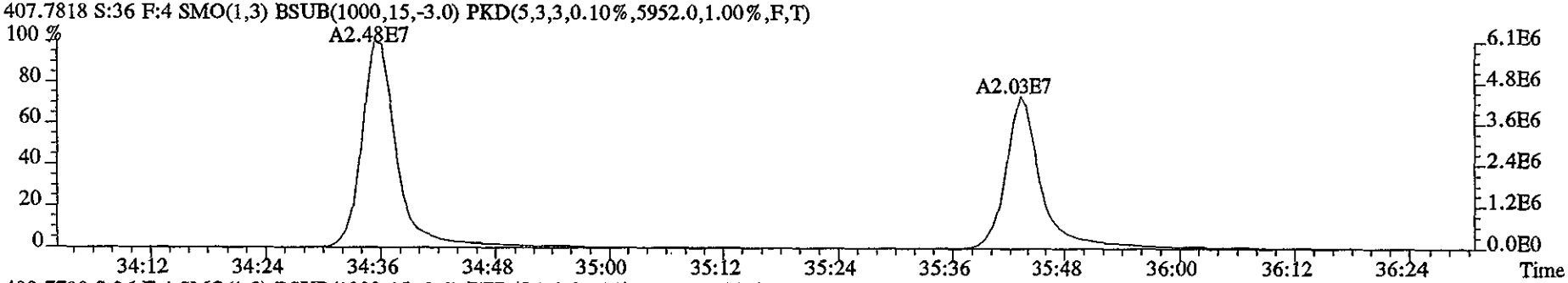


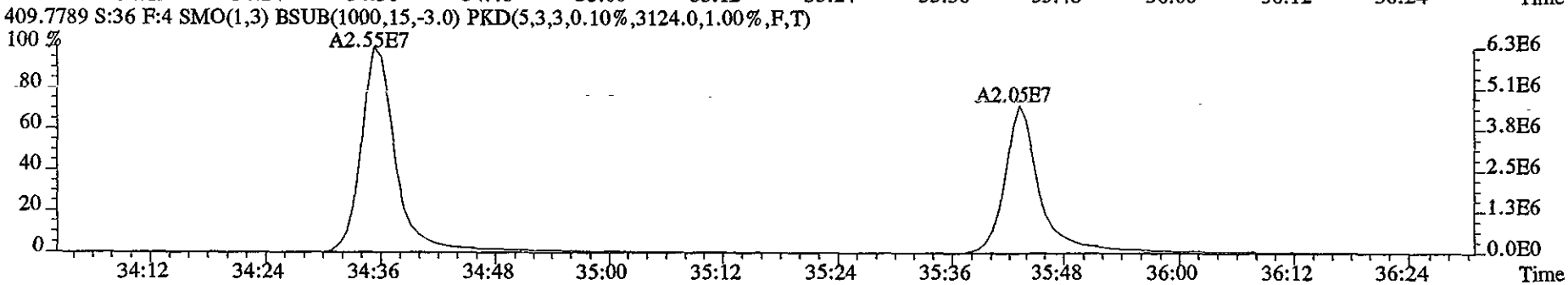
File:04MY10A4D5 #1-317 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

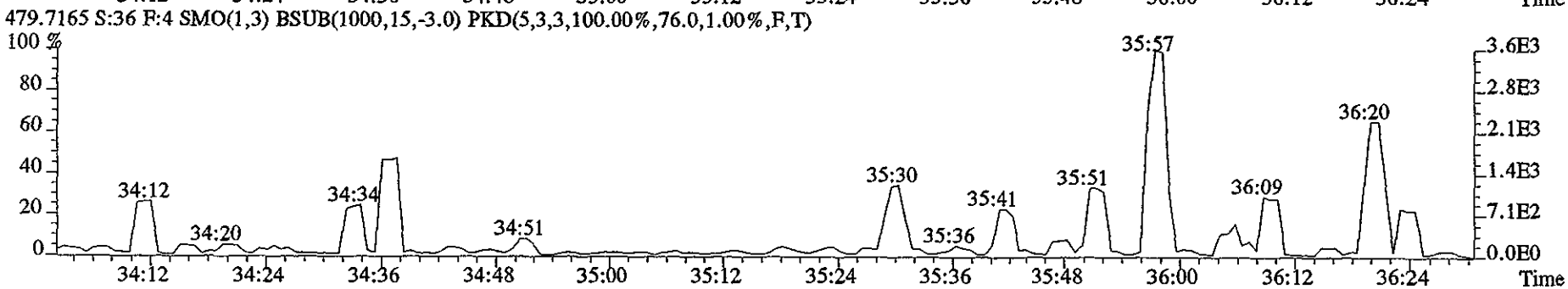


File:04MY10A4D5 #1-198 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A



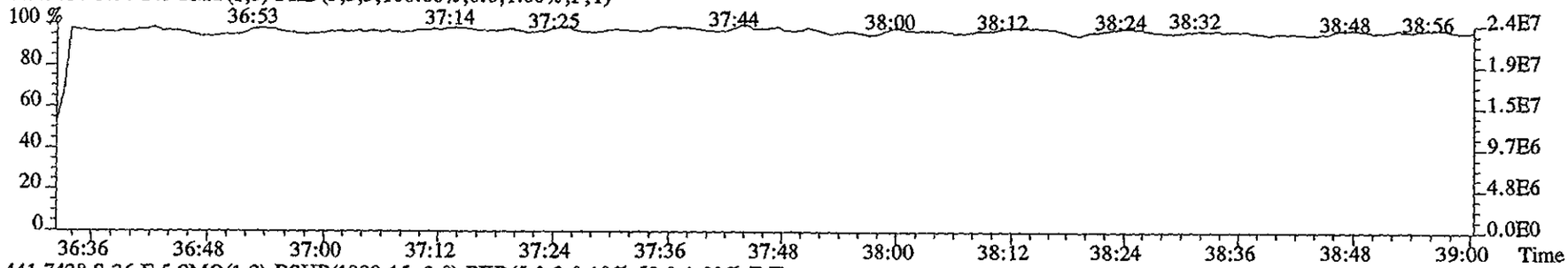




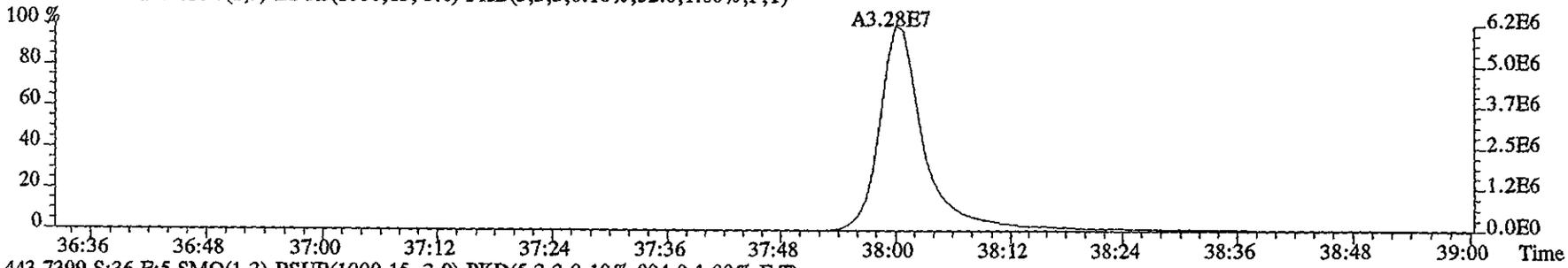


File:04MY10A4D5 #1-190 Acq: 6-MAY-2010 00:26:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:ST0504D :CS3 10DXN083 Exp:DIOXINRES8290A

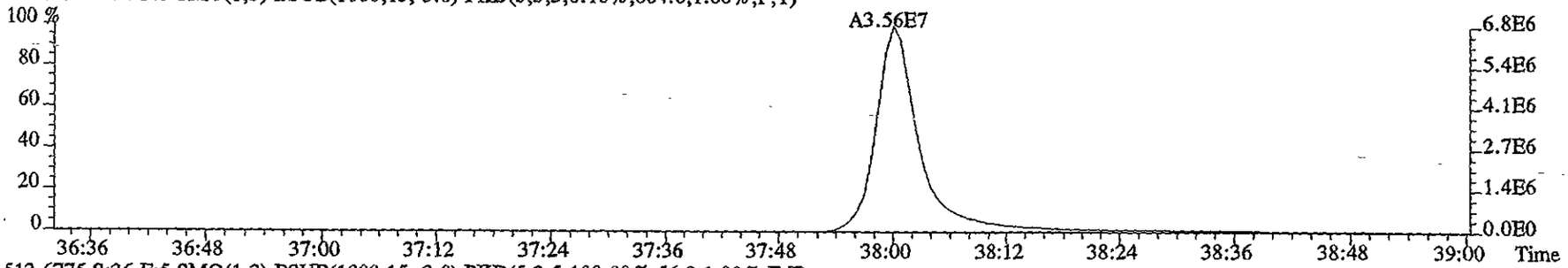
442.9728 S:36 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



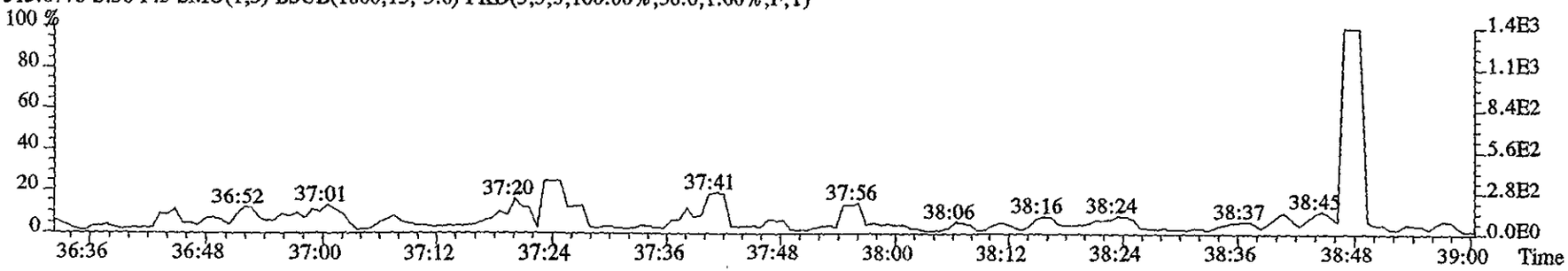
441.7428 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



443.7399 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,804.0,1.00%,F,T)



513.6775 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,56.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290 **Associated ICAL** 8290123109105

Column ID DB5 **Instrument ID** 105

STD ID ST0429A, ST0429D **STD Solution** 10DXN111

Analyzed by M.G. **Date Analyzed** 4/29/10, 4/30/10

Std. Pkg. By M.G. **Date Std. Pkg. Assembled** 4/30/10

Std. Pkg. Reviewed By MG **Date Std. Pkg. Reviewed** 4/30/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓ ① ②	① ②
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (for 1613B only)	NA	NA

COMMENTS: ① 33.8% dev. for 13C-1,2,3,6,7,8-HxCDD in ending std. ∴ use ave. RRF = 0.93. NCM # 07-0106039

② -24.1% dev. for 1,2,3,4,7,8-HxCDD in ending std. ∴ use ave. RRF = 0.86. NCM # 07-0106041

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the *smallest* peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0429A File text: ST0429A :CS3 10DXN111
Run #18 Filename 29AP101D5 S: 18 I: 1
Acquired: 29-APR-10 22:01:32 Processed: 29-APR-10 22:45:01
Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5 Results: 29AP101D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	203474400	0.83 y	17:22	-	100.00	-	n
13C-2,3,7,8-TCDF	324040000	0.79 y	16:52	1.59	100.00	1.7	n
2,3,7,8-TCDF	29026300	0.76 y	16:54	0.90	10.00	4.2	n
Total TCDF	29237105	0.92 n	15:02	0.90	10.00	4.2	n
13C-2,3,7,8-TCDD	214487400	0.80 y	17:33	1.05	100.00	6.1	n
2,3,7,8-TCDD	20745620	0.80 y	17:35	0.97	10.00	3.6	n
Total TCDD	20968921	1.05 n	16:51	0.97	10.00	3.6	n
37Cl-2,3,7,8-TCDD	47863200	1.00 y	17:35	2.35	10.00	6.1	n
13C-1,2,3,7,8-PeCDF	243216000	1.66 y	21:45	1.20	100.00	11.4	n
1,2,3,7,8-PeCDF	124384600	1.62 y	21:47	1.02	50.00	2.3	n
2,3,4,7,8-PeCDF	127062400	1.60 y	23:04	1.04	50.00	11.3	n
Total F2 PeCDF	252772867	2.05 n	20:28	1.03	100.00	6.7	n
Total F1 PeCDF	324365	0.45 n	13:43	1.03	100.00	6.7	n
13C-1,2,3,7,8-PeCDD	149171700	1.68 y	23:46	0.73	100.00	10.0	n
1,2,3,7,8-PeCDD	78357100	1.64 y	23:48	1.05	50.00	13.1	n
Total PeCDD	78357100	1.64 y	23:48	1.05	50.00	13.1	n
13C-1,2,3,7,8,9-HxCDD	168993400	1.33 y	31:57	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	167299000	0.50 y	29:59	0.99	100.00	10.9	n
1,2,3,4,7,8-HxCDF	100161600	1.28 y	30:00	1.20	50.00	-0.1	n
1,2,3,6,7,8-HxCDF	116244100	1.27 y	30:15	1.39	50.00	1.3	n
2,3,4,6,7,8-HxCDF	114765800	1.24 y	31:14	1.37	50.00	10.5	n
1,2,3,7,8,9-HxCDF	102747300	1.28 y	32:12	1.23	50.00	-7.4	n
Total HxCDF	433918800	1.28 y	30:00	1.30	200.00	1.0	n
13C-1,2,3,6,7,8-HxCDD	147872700	1.32 y	31:34	0.88	100.00	19.5	n
1,2,3,4,7,8-HxCDD	71699200	1.29 y	31:28	0.97	50.00	0.0	n
1,2,3,6,7,8-HxCDD	87712400	1.29 y	31:35	1.19	50.00	12.1	n
1,2,3,7,8,9-HxCDD	90749400	1.27 y	31:58	1.23	50.00	-3.8	n
Total HxCDD	250161000	1.29 y	31:28	1.13	150.00	2.4	n
13C-1,2,3,4,6,7,8-HpCDF	142587600	0.42 y	33:49	0.84	100.00	-1.9	n
1,2,3,4,6,7,8-HpCDF	93305800	1.06 y	33:49	1.31	50.00	1.7	n
1,2,3,4,7,8,9-HpCDF	84354000	1.06 y	35:02	1.18	50.00	4.2	n
Total HpCDF	177659800	1.06 y	33:49	1.25	100.00	2.9	n
13C-1,2,3,4,6,7,8-HpCDD	139087600	1.03 y	34:42	0.82	100.00	9.4	n
1,2,3,4,6,7,8-HpCDD	70517200	1.07 y	34:43	1.01	50.00	1.6	n
Total HpCDD	70872728	0.71 n	34:05	1.01	50.00	1.6	n
13C-OCDD	210507300	0.90 y	37:18	0.62	200.00	10.3	n
OCDF	136092100	0.90 y	37:25	1.29	100.00	-10.0	n
OCDD	119501000	0.87 y	37:19	1.14	100.00	2.3	n

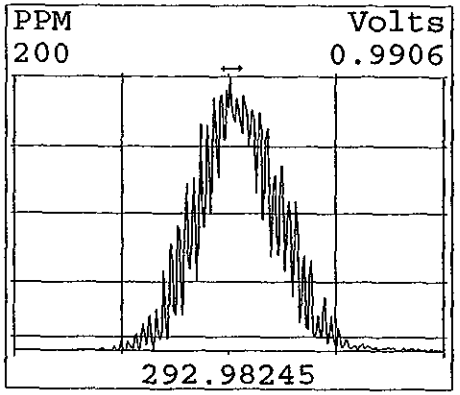
Run text: ST0429D File text: ST0429D :CS3 10DXN111
Run #34 Filename 29AP101D5 S: 36 I: 1
Acquired: 30-APR-10 11:11:07 Processed: 30-APR-10 15:07:24
Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5 Results: 29AP101D58290

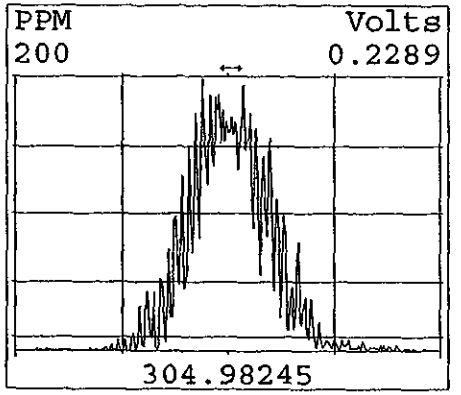
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	171803900	0.82	y	17:22	-	100.00	-	n
13C-2,3,7,8-TCDF	293000000	0.78	y	16:52	1.71	100.00	8.9	n
2,3,7,8-TCDF	25611500	0.77	y	16:53	0.87	10.00	1.7	n
Total TCDF	25852795	1.45	n	16:00	0.87	10.00	1.7	n
13C-2,3,7,8-TCDD	172965000	0.82	y	17:33	1.01	100.00	1.4	n
2,3,7,8-TCDD	16640160	0.78	y	17:35	0.96	10.00	3.0	n
Total TCDD	16977191	1.01	n	15:42	0.96	10.00	3.0	n
37Cl-2,3,7,8-TCDD	38447000	1.00	y	17:34	2.24	10.00	0.9	n
13C-1,2,3,7,8-PeCDF	208375900	1.62	y	21:47	1.21	100.00	13.1	n
1,2,3,7,8-PeCDF	110334300	1.64	y	21:49	1.06	50.00	5.9	n
2,3,4,7,8-PeCDF	108303700	1.65	y	23:07	1.04	50.00	10.8	n
Total F2 PeCDF	219702985	1.64	y	21:49	1.05	100.00	8.2	n
Total F1 PeCDF	338511	0.68	n	14:12	1.05	100.00	8.2	n
13C-1,2,3,7,8-PeCDD	121928100	1.70	y	23:48	0.71	100.00	6.5	n
1,2,3,7,8-PeCDD	64465700	1.61	y	23:49	1.06	50.00	13.8	n
Total PeCDD	64574708	1.59	y	23:31	1.06	50.00	13.8	n
13C-1,2,3,7,8,9-HxCDD	106051300	1.35	y	31:59	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	103181200	0.51	y	30:01	0.97	100.00	9.0	n
1,2,3,4,7,8-HxCDF	64889900	1.25	y	30:02	1.26	50.00	4.9	n
1,2,3,6,7,8-HxCDF	84526500	1.32	y	30:16	1.64	50.00	19.5	n
2,3,4,6,7,8-HxCDF	68630100	1.26	y	31:15	1.33	50.00	7.1	n
1,2,3,7,8,9-HxCDF	58107300	1.29	y	32:13	1.13	50.00	-15.1	n
Total HxCDF	276402019	2.50	n	27:40	1.34	200.00	4.2	n
13C-1,2,3,6,7,8-HxCDD	103891900	1.30	y	31:34	0.98	100.00	33.8	n
1,2,3,4,7,8-HxCDD	38219000	1.30	y	31:28	0.74	50.00	-24.1	n
1,2,3,6,7,8-HxCDD	59460800	1.27	y	31:35	1.14	50.00	8.2	n
1,2,3,7,8,9-HxCDD	55345800	1.24	y	31:59	1.07	50.00	-16.5	n
Total HxCDD	153283106	1.30	y	31:28	0.98	150.00	-10.8	n
13C-1,2,3,4,6,7,8-HpCDF	78183000	0.44	y	33:50	0.74	100.00	-14.3	n
1,2,3,4,6,7,8-HpCDF	51454100	0.99	y	33:51	1.32	50.00	2.3	n
1,2,3,4,7,8,9-HpCDF	35884700	1.05	y	35:04	0.92	50.00	-19.1	n
Total HpCDF	87619371	0.99	y	33:51	1.12	100.00	-7.8	n
13C-1,2,3,4,6,7,8-HpCDD	69269900	1.09	y	34:43	0.65	100.00	-13.2	n
1,2,3,4,6,7,8-HpCDD	34414200	1.07	y	34:44	0.99	50.00	-0.4	n
Total HpCDD	34484370	1.96	n	34:07	0.99	50.00	-0.4	n
13C-OCDD	93127700	0.93	y	37:20	0.44	200.00	-22.2	n
OCDF	61230600	0.89	y	37:27	1.31	100.00	-8.5	n
OCDD	52548300	0.86	y	37:21	1.13	100.00	1.7	n

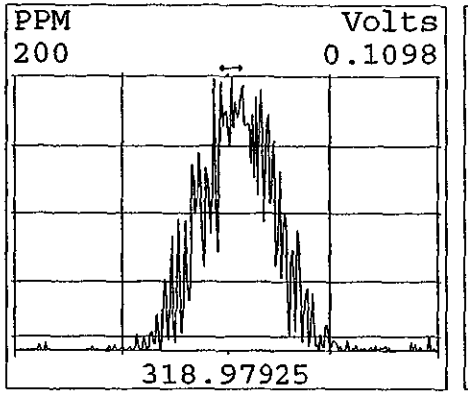
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
29AP101D5	1	ST0429	CS3 10DXN111				1.00000	
29AP101D5	2	CP0429	DB-5 CPSM 3732-05				1.00000	
29AP101D5	3	SB0429	Solvent Blank C-14				1.00000	
29AP101D5	4	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.05000	g
29AP101D5	5	L0N3A-1-AA	G0D280586-1	20	8290/SOLID	SCR2	0.02000	g
29AP101D5	6	L0N3E-1-AA	G0D280586-2	20	8290/SOLID		0.02024	g
29AP101D5	7	L0N3F-1-AA	G0D280586-3	20	8290/SOLID		0.02024	g
29AP101D5	8	LX0PR-1-AF	G0D140543-10MS	10	8290/SOLID	77	10.02000	g
29AP101D5	9	LX0PR-1-AG	G0D140543-10SD	10	8290/SOLID		10.12000	g
29AP101D5	10	LX295-1-AD	G0D160435-1	10	8290/SOLID		10.49000	g
29AP101D5	11	LX299-1-AD	G0D160435-3	10	8290/SOLID		10.02000	g
29AP101D5	12	LX3AC-1-AD	G0D160435-5	10	8290/SOLID		10.61000	g
29AP101D5	13	LX3AG-1-AD	G0D160435-9	10	8290/SOLID		10.10000	g
29AP101D5	14	LX3AL-1-AD	G0D160435-13	10	8290/SOLID		10.42000	g
29AP101D5	15	LX3AT-1-AC	G0D160435-19	10	8290/SOLID		10.46000	g
29AP101D5	16	L0E7B-1-AC	G0D160435-11LCS	10	8290/SOLID	80	10.00000	g
29AP101D5	17	SB0429A	Solvent Blank C-14				1.00000	
29AP101D5	18	ST0429A	CS3 10DXN111				1.00000	
29AP101D5	19	CP0429A	DB-5 CPSM 3732-05				1.00000	
29AP101D5	20	SB0429B	Solvent Blank C-14				1.00000	
29AP101D5	21	L0E7B-1-AA	G0D160435-11MB	10	8290/SOLID	80	10.00000	g
29AP101D5	22	LX3AJ-1-AD	G0D160435-11	10	8290/SOLID		10.70000	g
AP101D5	23	LX3AN-1-AC	G0D160435-15	10	8290/SOLID	79	10.00000	g
29AP101D5	24	LX17G-1-AA	G0D150538-1	20	8290/WATER	74	1.00120	L
29AP101D5	25	LX0PA-1-AA	G0D140540-1	20	8290/WATER		0.99020	L
29AP101D5	26	LX0N3-1-AA	G0D140538-1	20	8290/WATER		1.01800	L
29AP101D5	27	LX175-1-AA	G0D150548-1	20	8290/WATER		0.98210	L
29AP101D5	28	LX17V-1-AA	G0D150545-1	20	8290/WATER		0.97650	L
29AP101D5	29	LX18K-1-AA	G0D150551-1	20	8290/WATER		0.97000	L
29AP101D5	30	LX48E-1-AA	G0D160614-1	20	8290/SOLID	80	10.41000	g
29AP101D5	31	LX48F-1-AA	G0D160614-2	20	8290/SOLID		10.35000	g
29AP101D5	32	LX48G-1-AA	G0D160614-3	20	8290/SOLID		10.01000	g
29AP101D5	33	LX48H-1-AA	G0D160614-4	20	8290/SOLID		10.14000	g
29AP101D5	34	SB0429C	Solvent Blank C-14				1.00000	
29AP101D5	35	ST0429C	CS3 10DXN111 – matrix interferences (ST0429B not run)				1.00000	
29AP101D5	36	ST0429D	CS3 10DXN111				1.00000	
29AP101D5	37						1.00000	
29AP101D5	38						1.00000	
29AP101D5	39						1.00000	
29AP101D5	40		MG 04/29/10				1.00000	

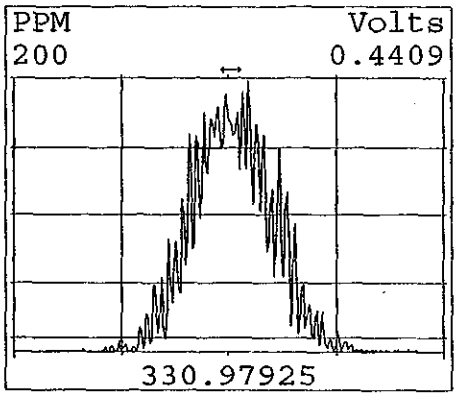
logfile'd 4/30/10 MG

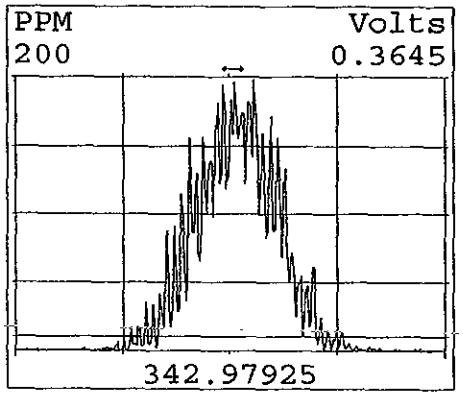
Peak Locate Examination:29-APR-2010:09:32 File:29AP101D5
Experiment:DIOXINRES Function:1 Reference:PFK

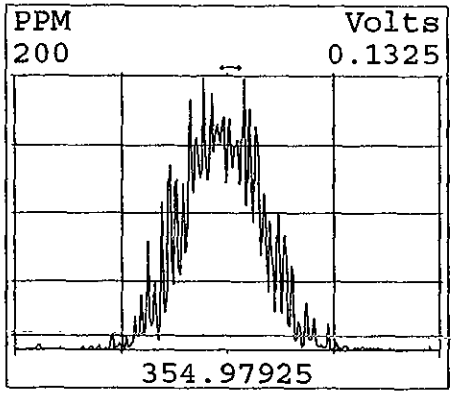


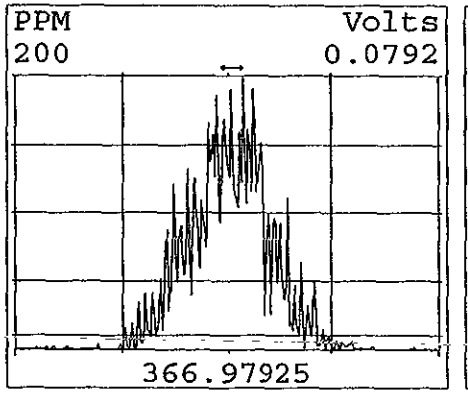


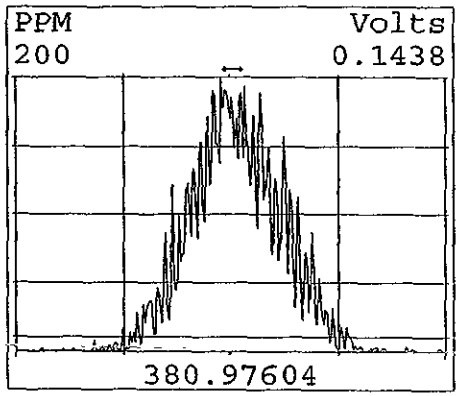


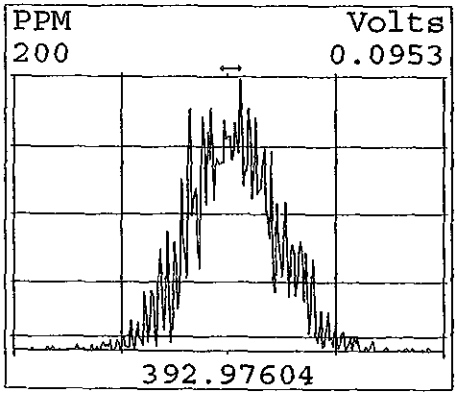


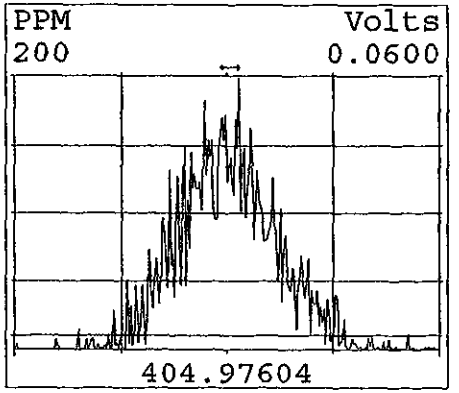


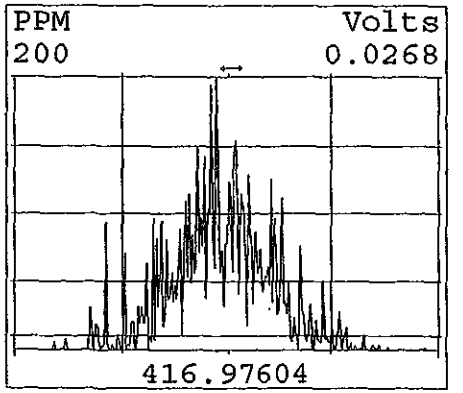




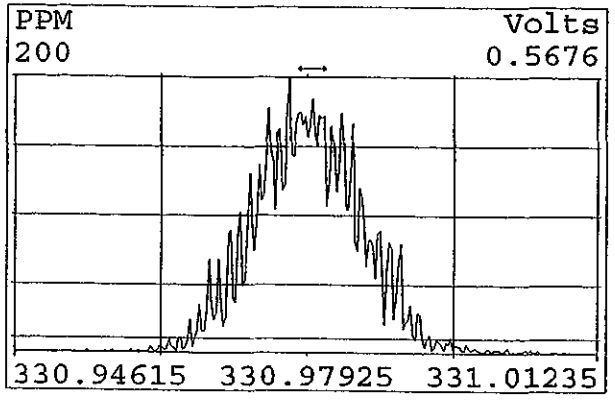


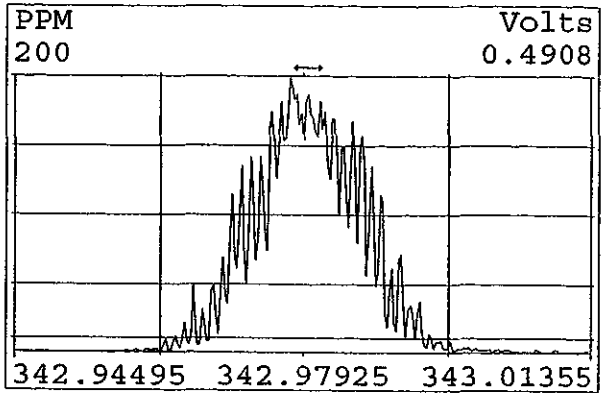


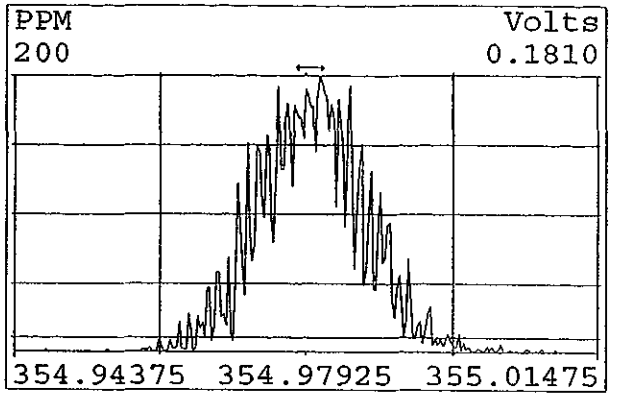


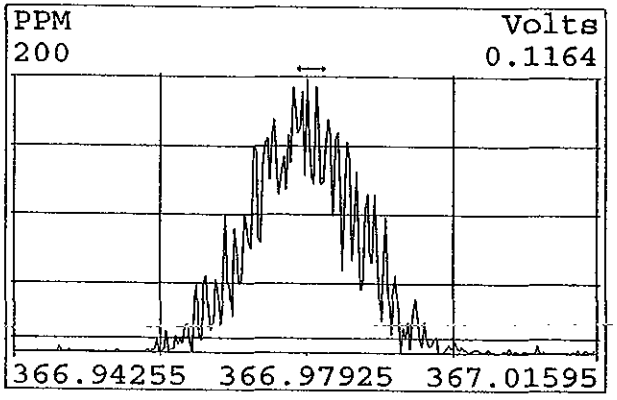


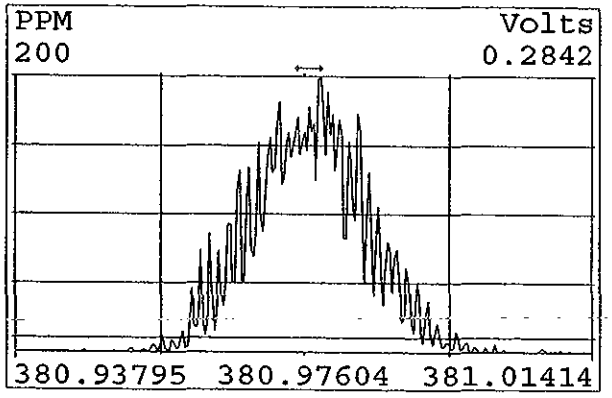
Peak Locate Examination:29-APR-2010:09:33 File:29AP101D5
Experiment:DIOXINRES Function:2 Reference:PFK

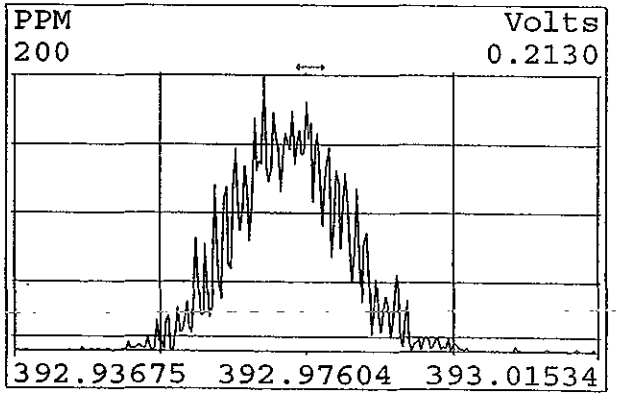


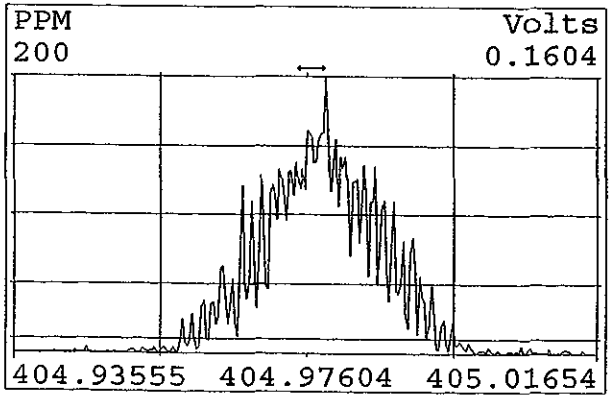


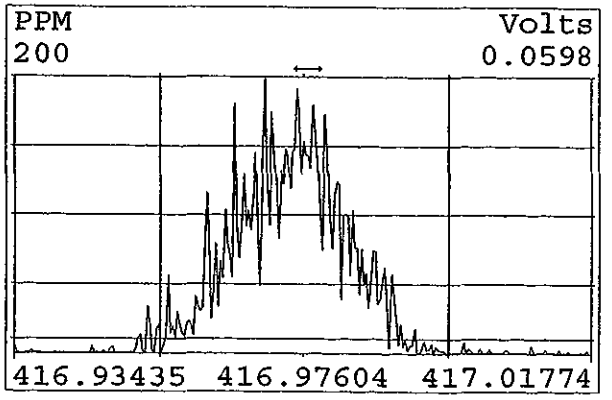




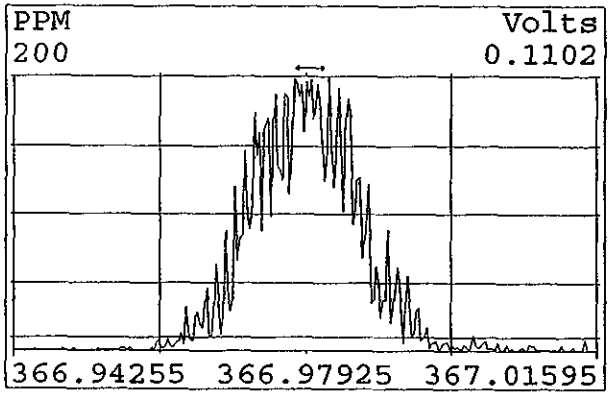


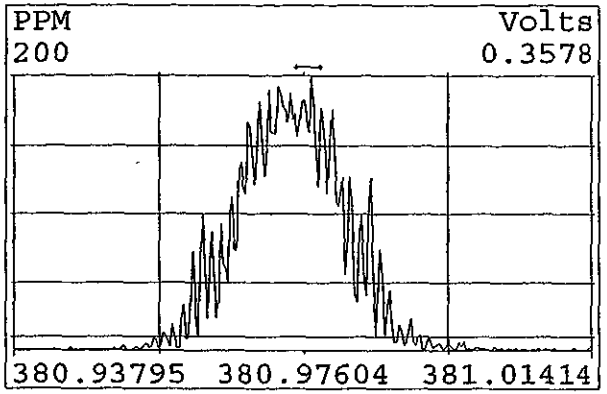


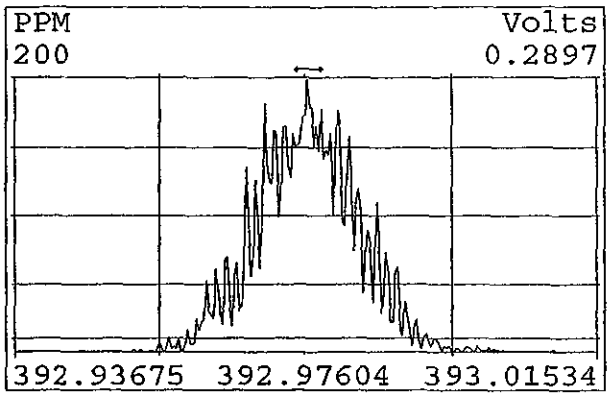


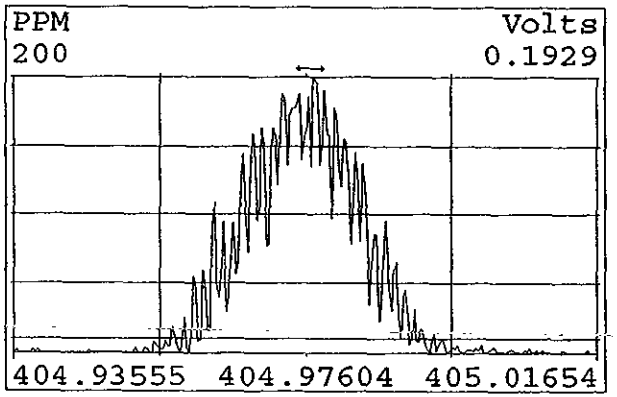


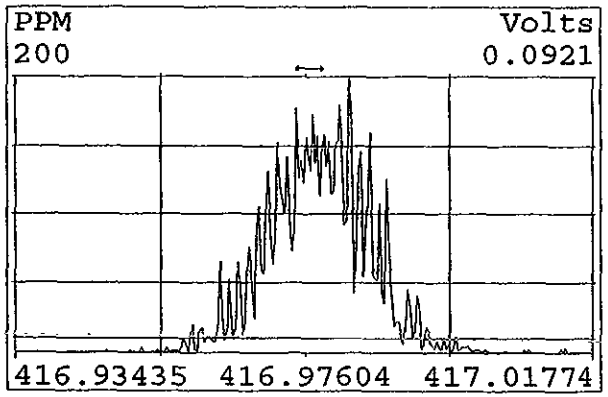
Peak Locate Examination:29-APR-2010:09:34 File:29AP101D5
Experiment:DIOXINRES Function:3 Reference:PFK

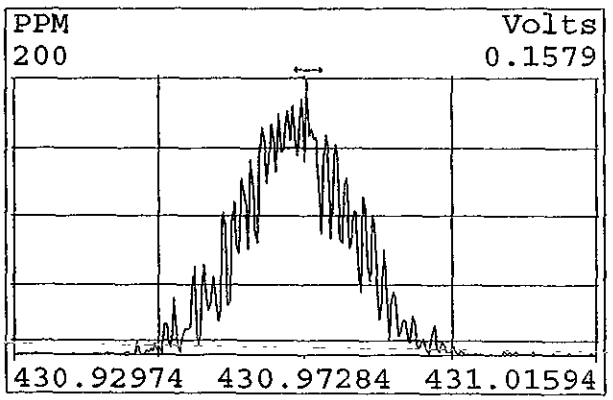


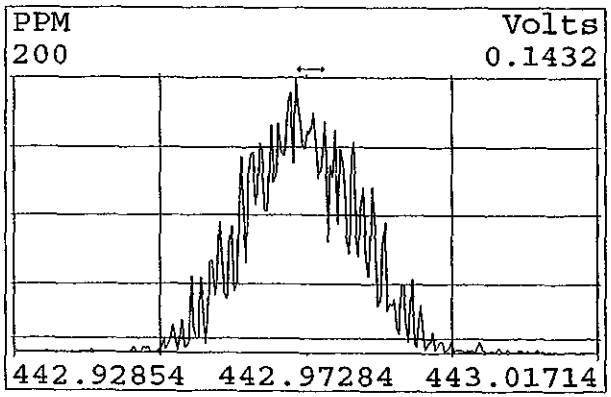


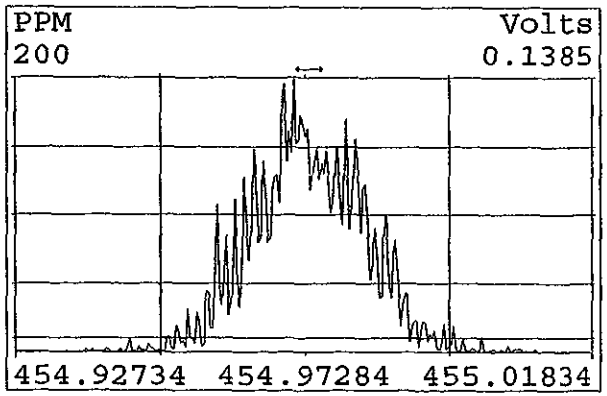




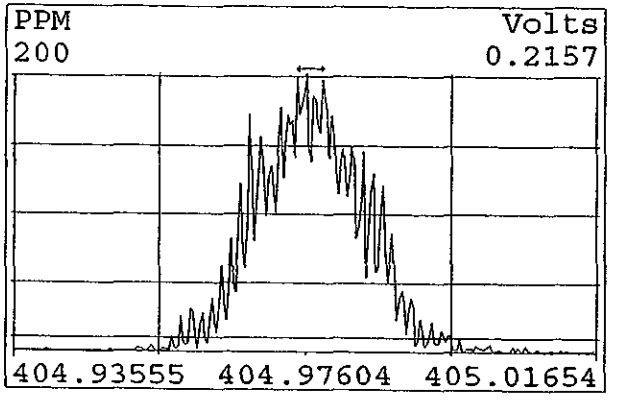


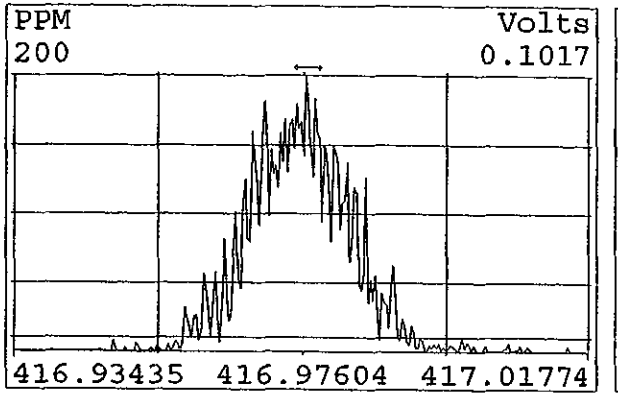


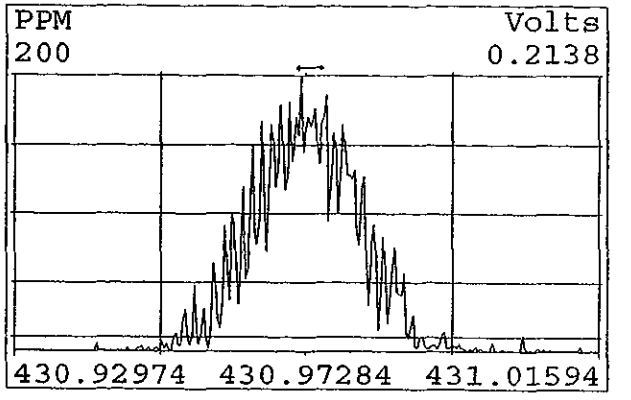


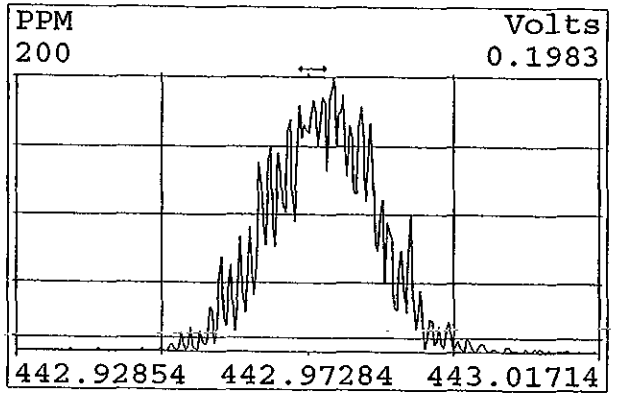


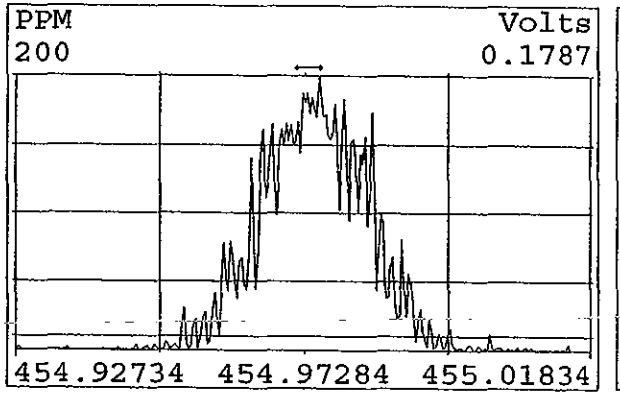
Peak Locate Examination:29-APR-2010:09:34 File:29AP101D5
Experiment:DIOXINRES Function:4 Reference:PFK

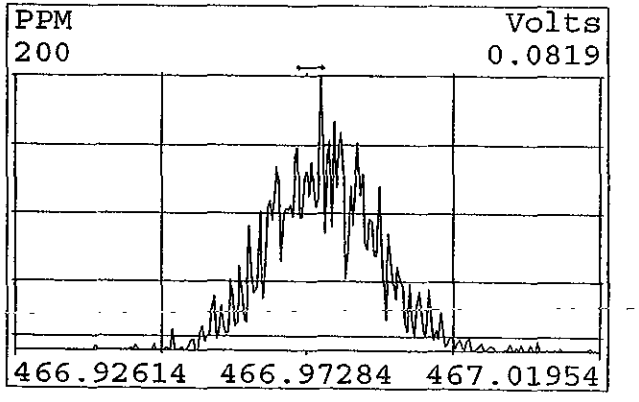


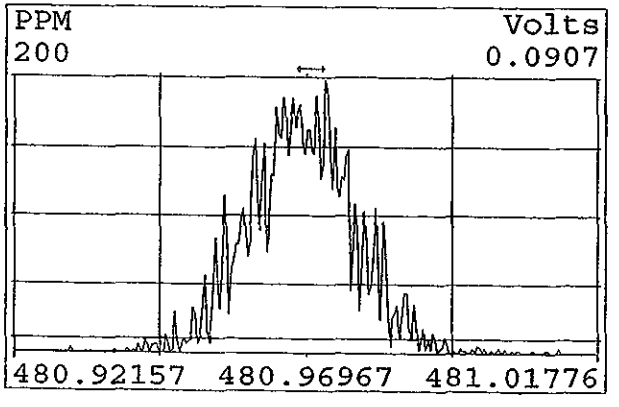




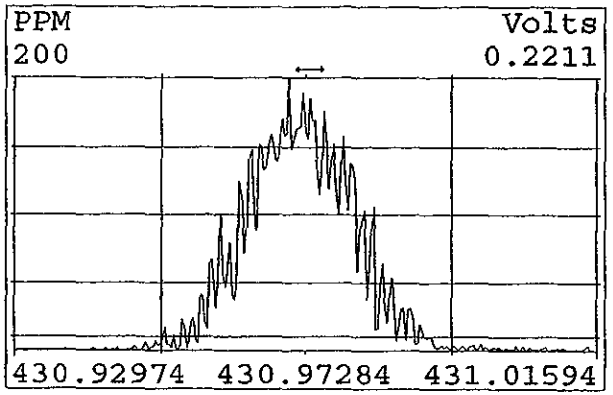


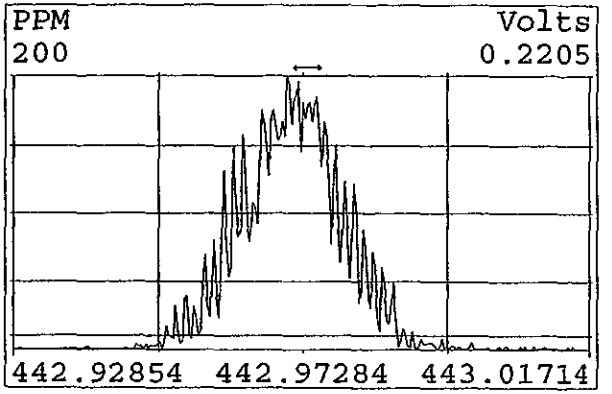


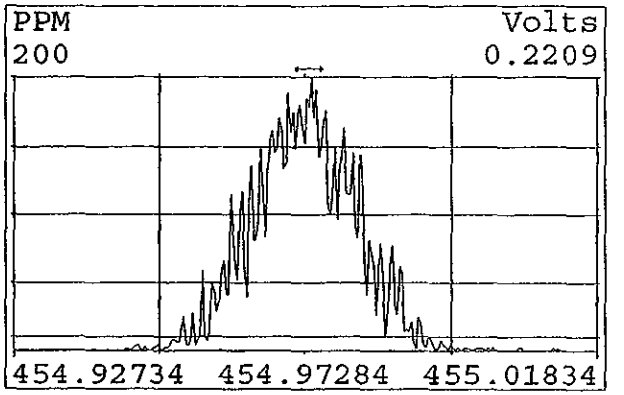


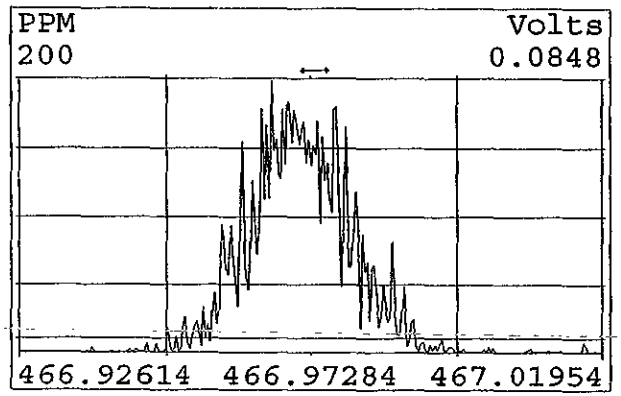


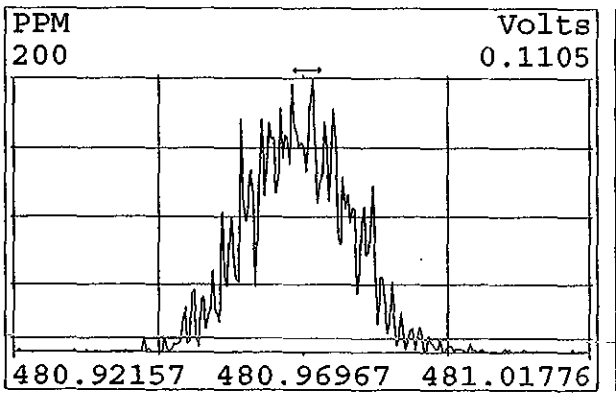
Peak Locate Examination:29-APR-2010:09:35 File:29AP101D5
Experiment:DIOXINRES Function:5 Reference:PFK

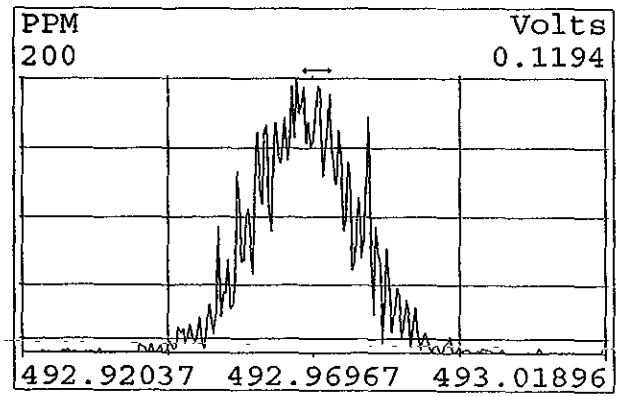


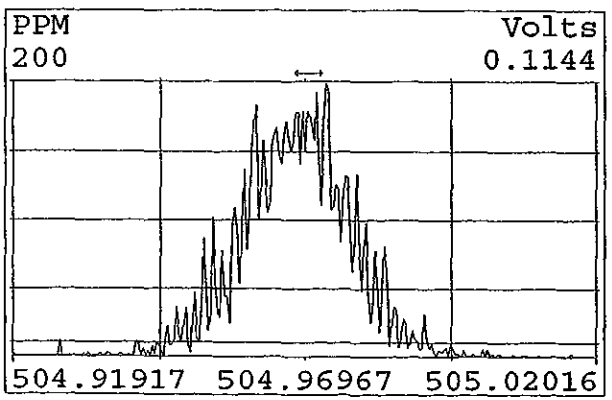


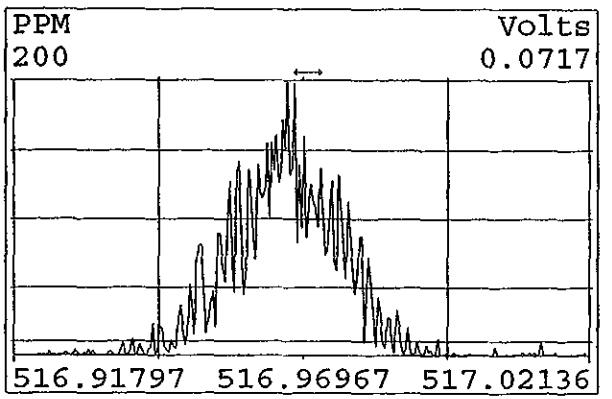




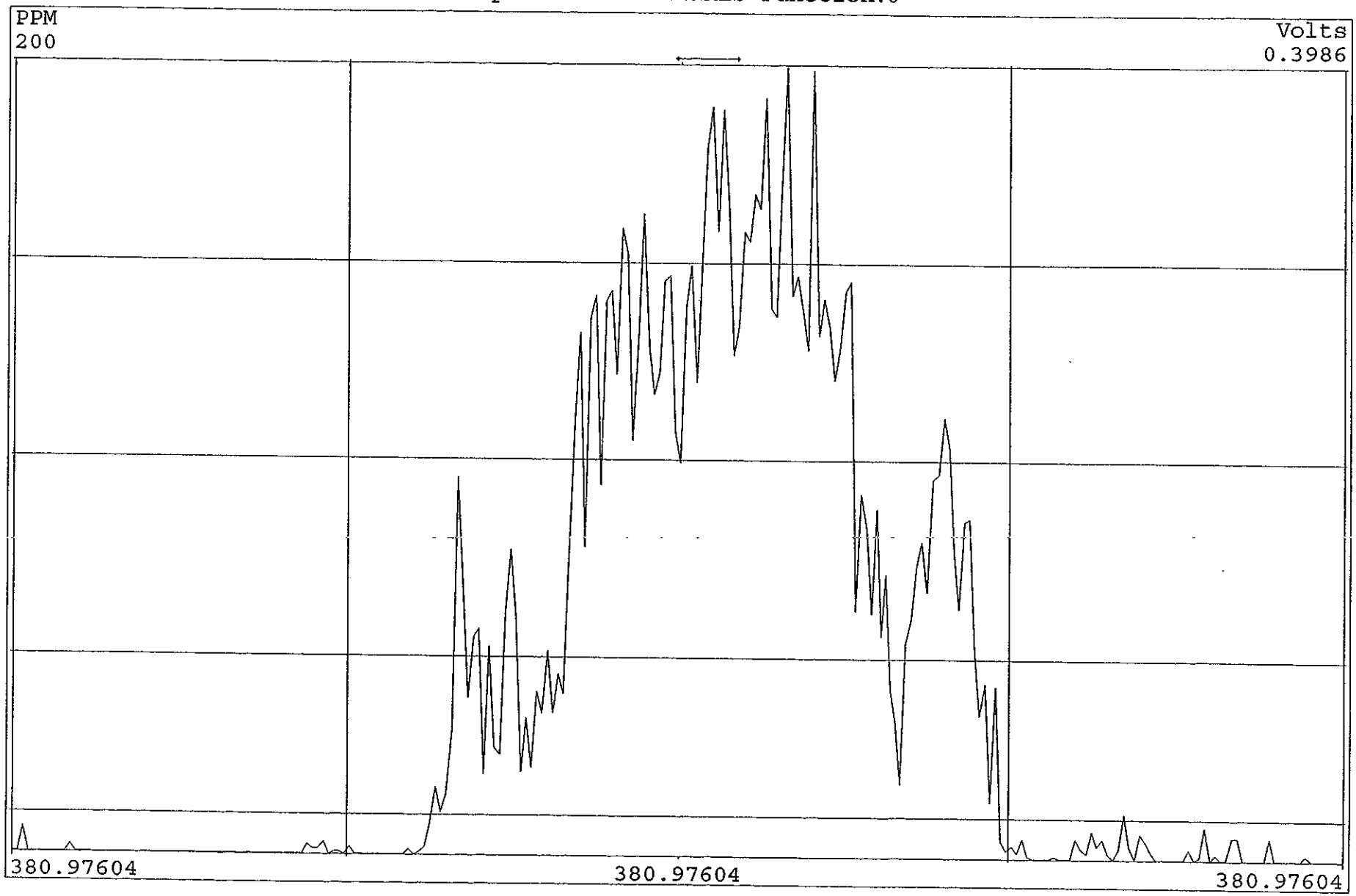




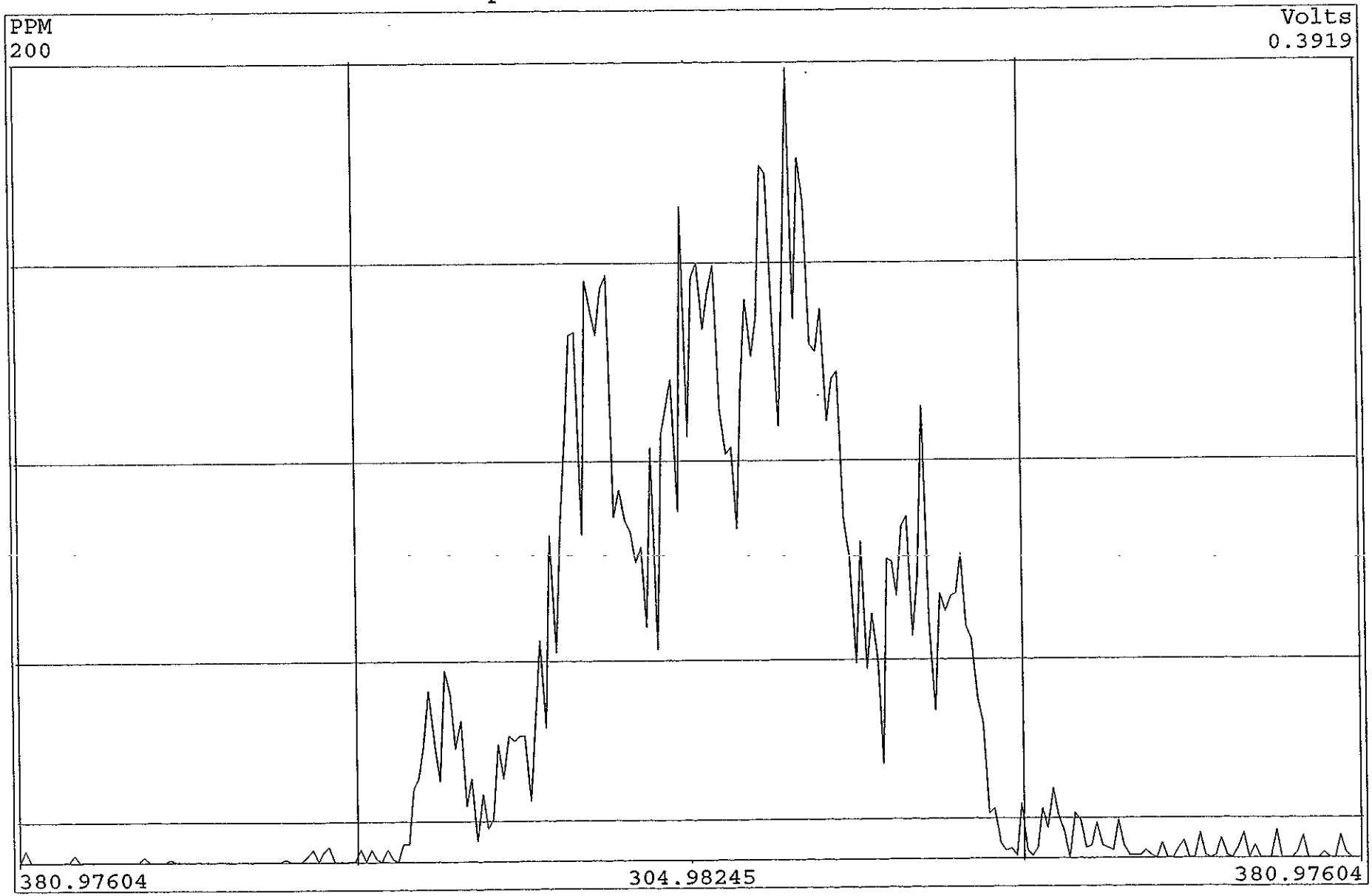




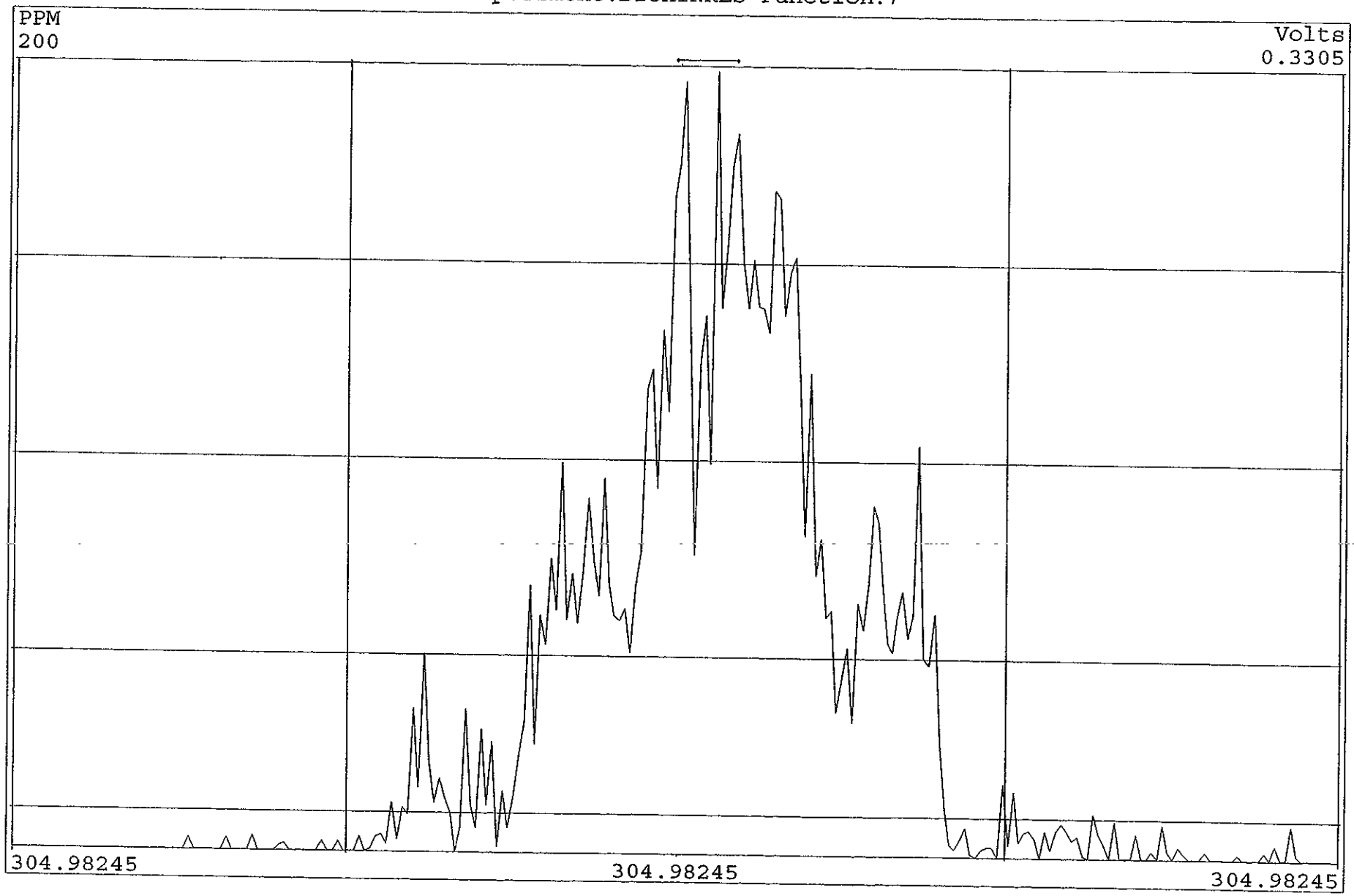
SIRLM Examination:29-APR-2010:21:15 File:29AP101D5
Experiment:DIOXINRES Function:6



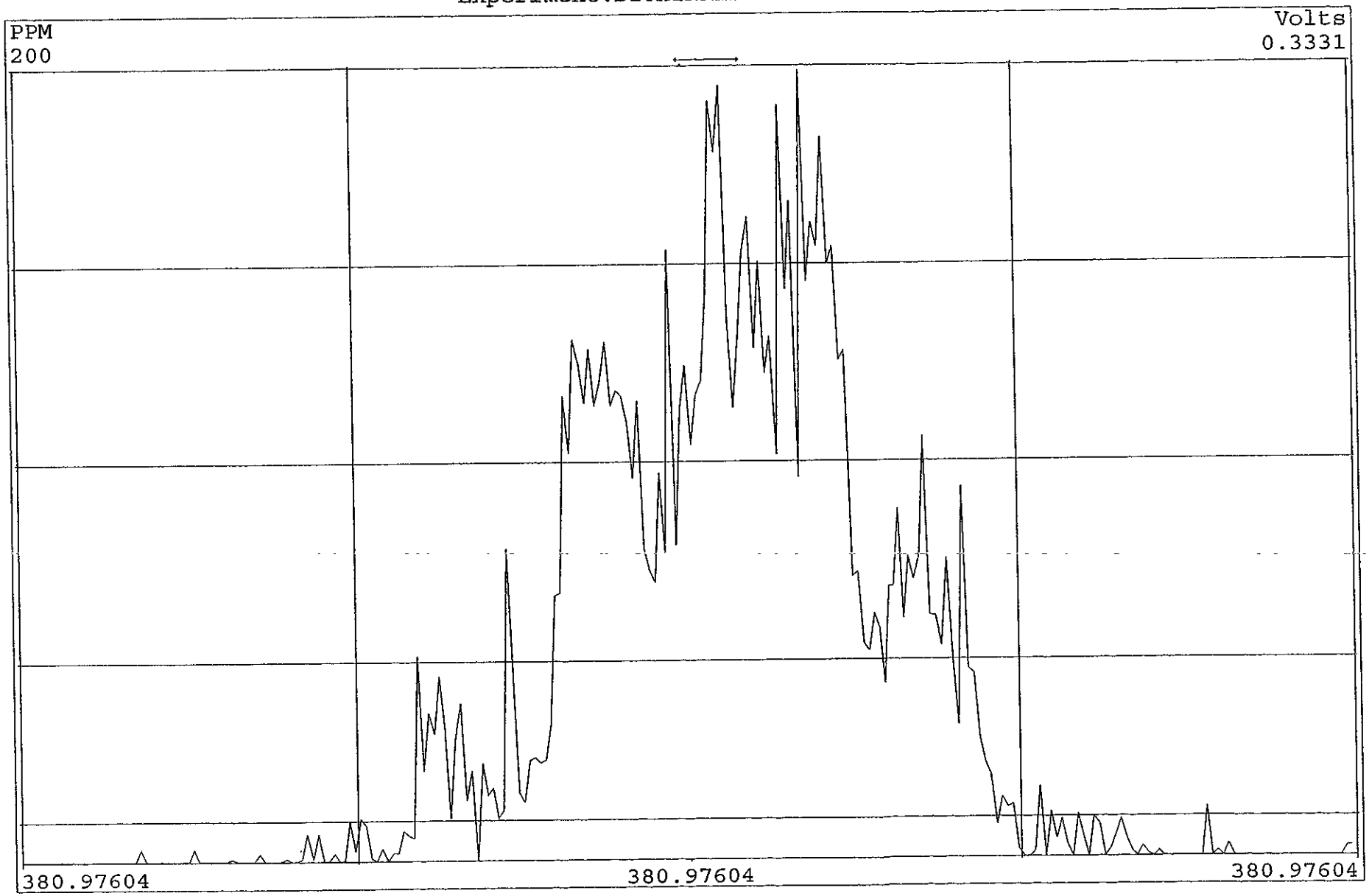
SIRLM Examination:29-APR-2010:21:16 File:29AP101D5
Experiment:DIOXINRES Function:7



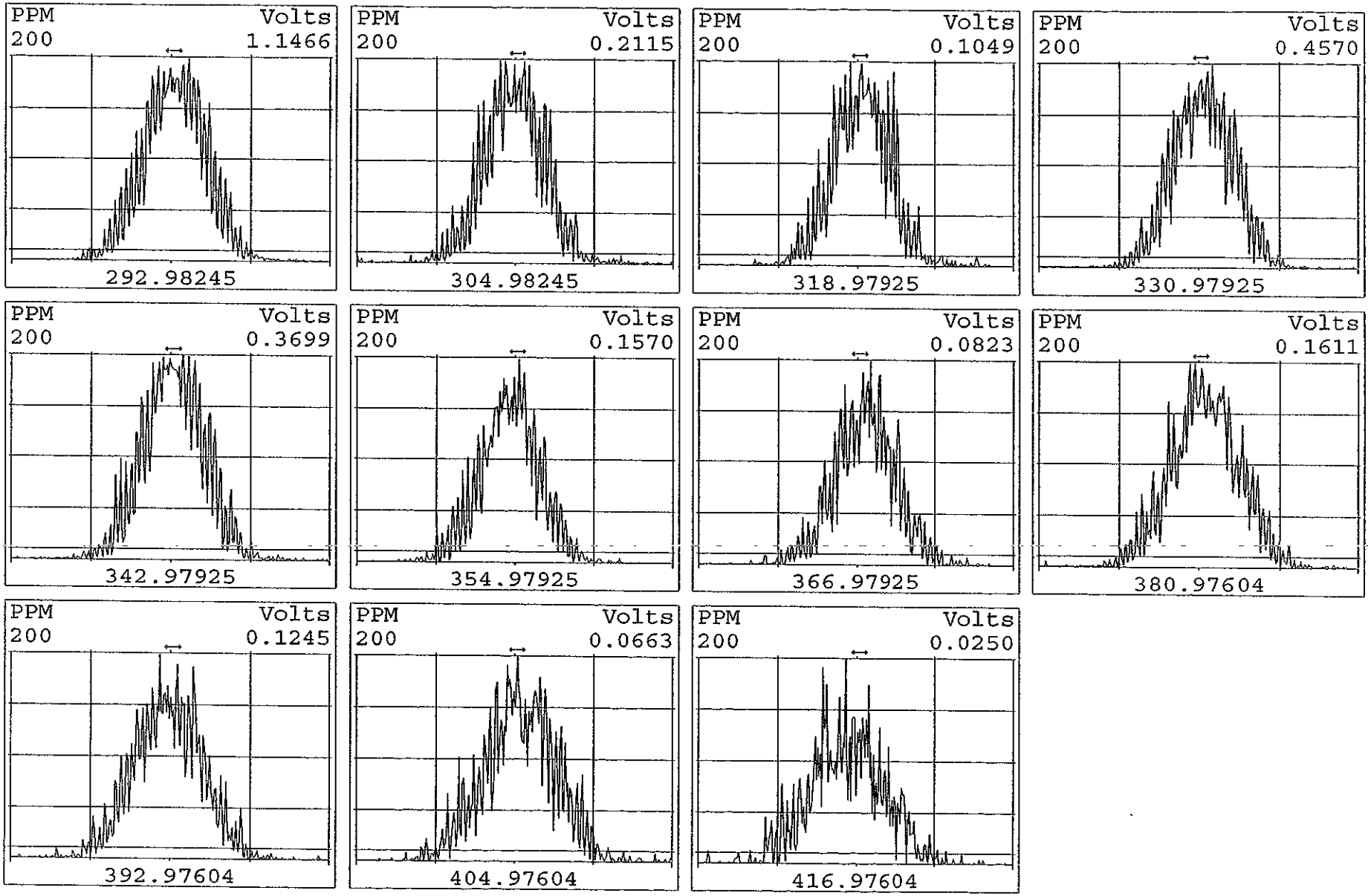
SIRLM Examination:30-APR-2010:08:13 File:29AP101D5
Experiment:DIOXINRES Function:7



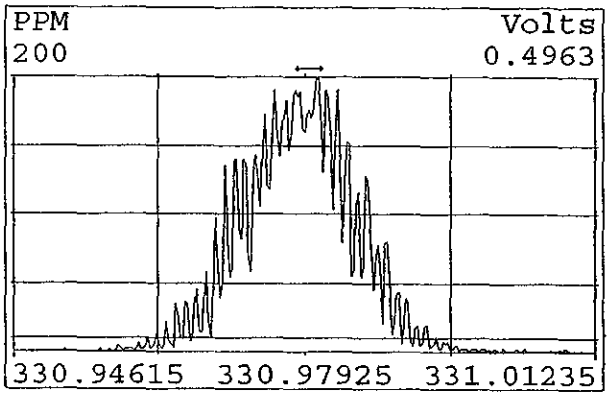
SIRLM Examination:30-APR-2010:08:12 File:29AP101D5
Experiment:DIOXINRES Function:6

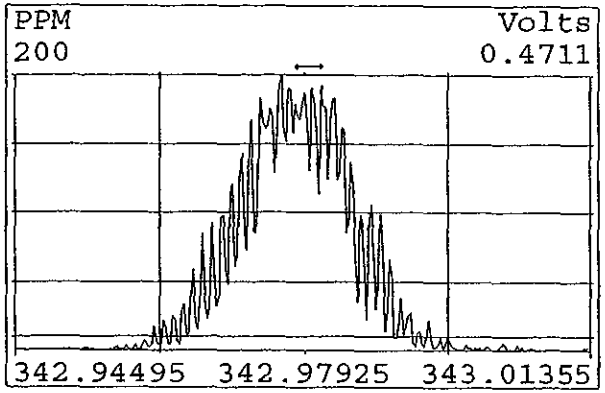


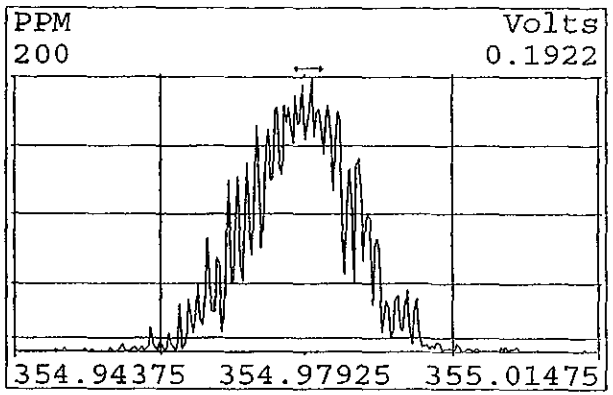
Peak Locate Examination:30-APR-2010:12:04 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:1 Reference:PFK

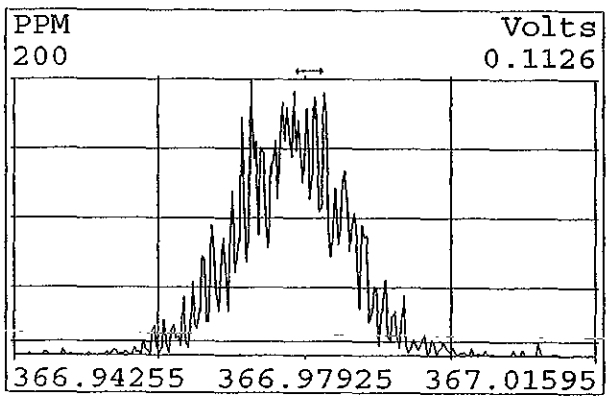


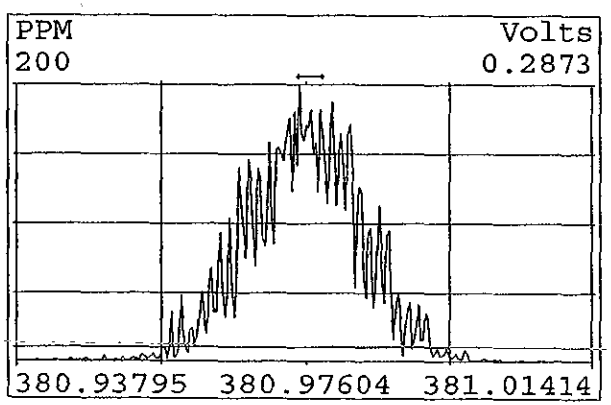
Peak Locate Examination:30-APR-2010:12:05 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:2 Reference:PFK

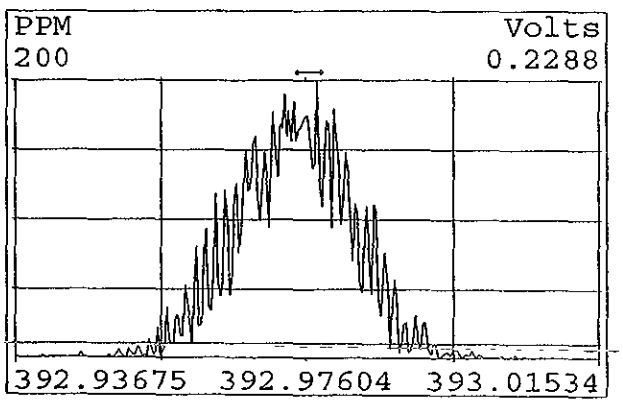


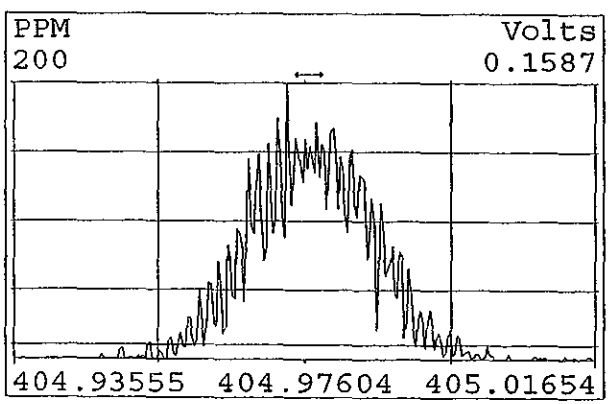


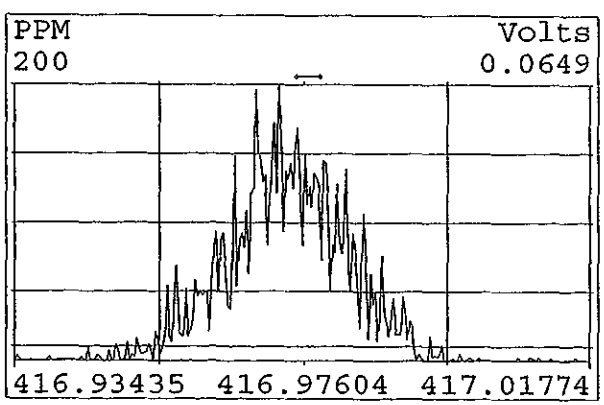




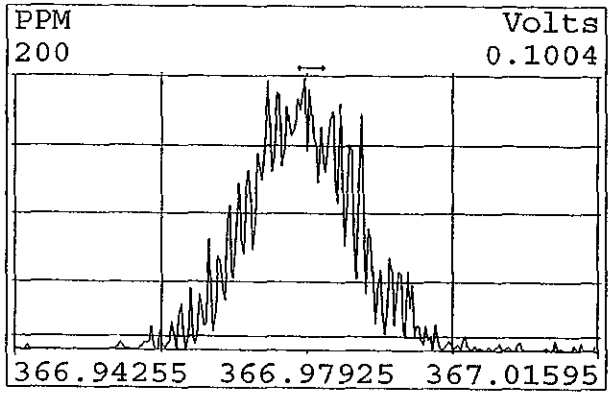


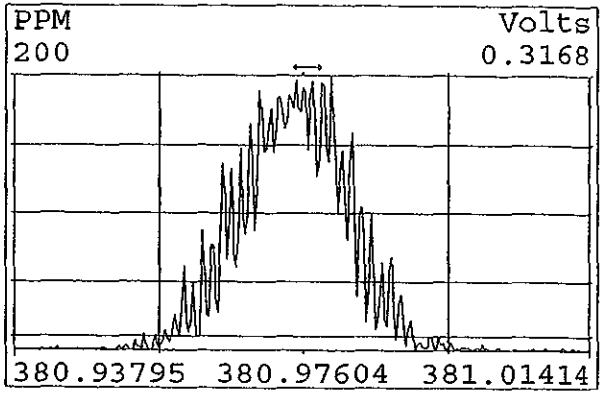


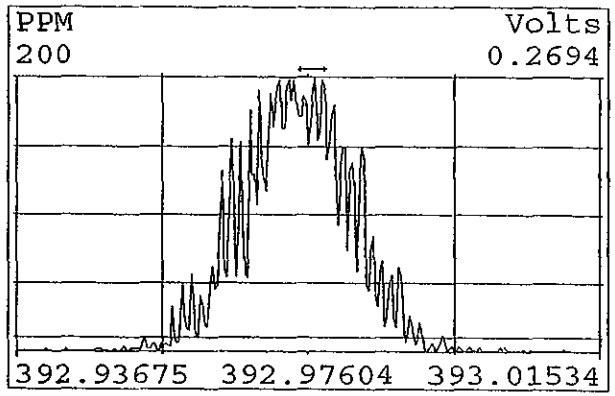


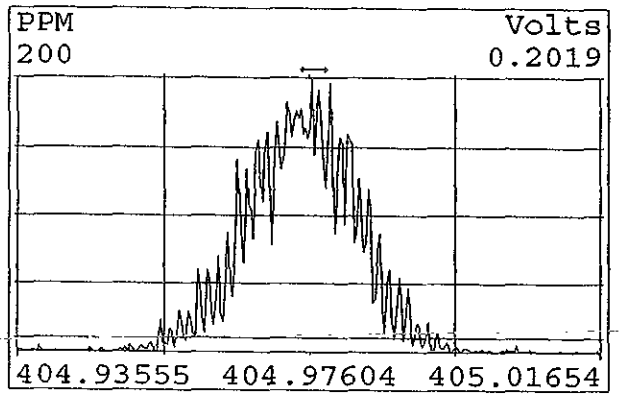


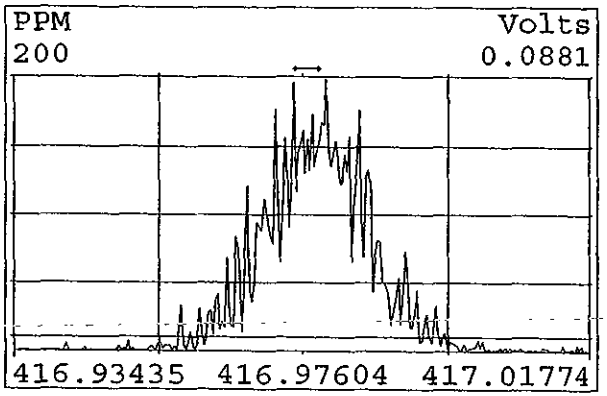
Peak Locate Examination:30-APR-2010:12:06 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:3 Reference:PFK

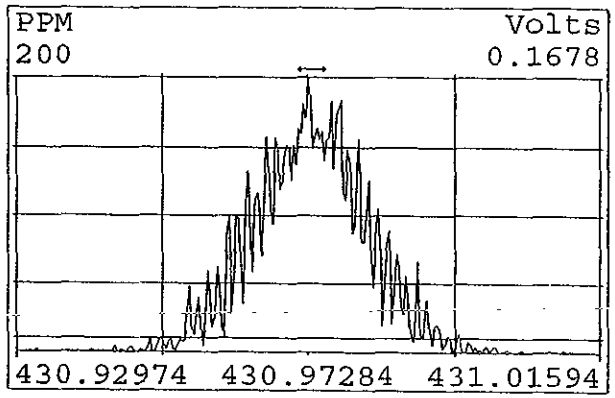


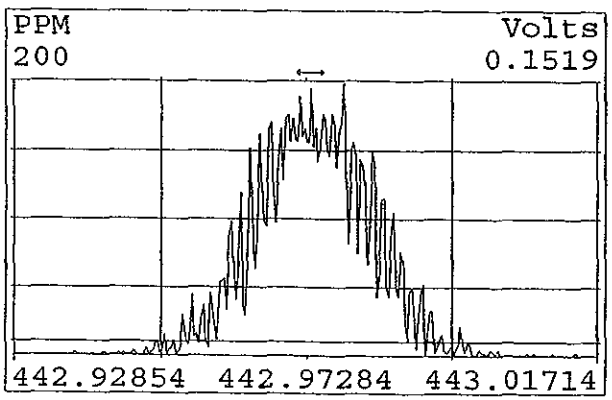


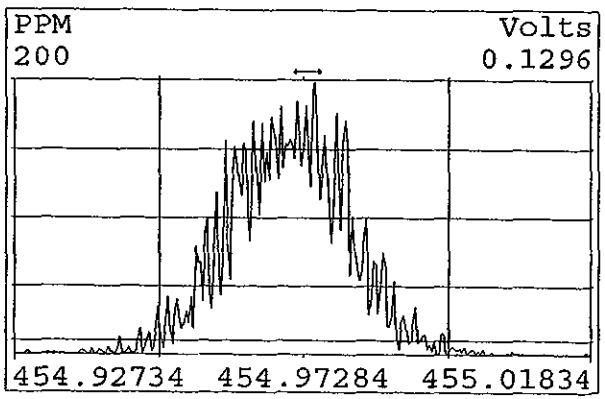




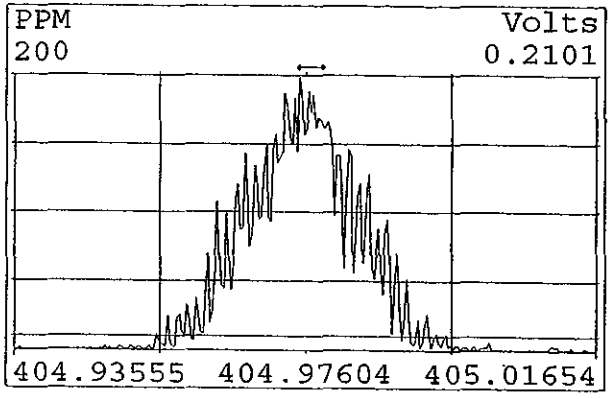


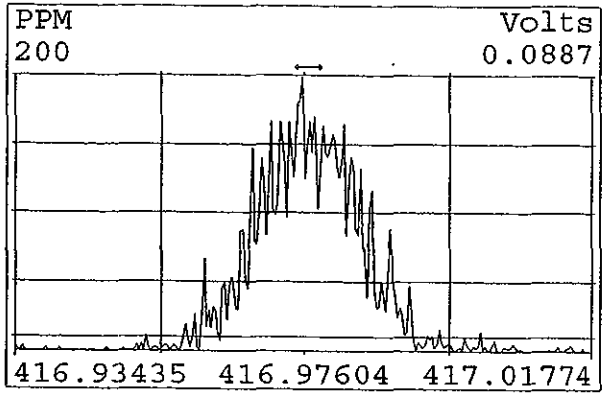


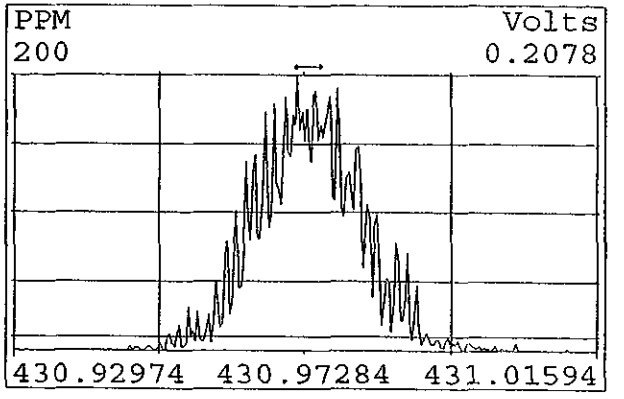


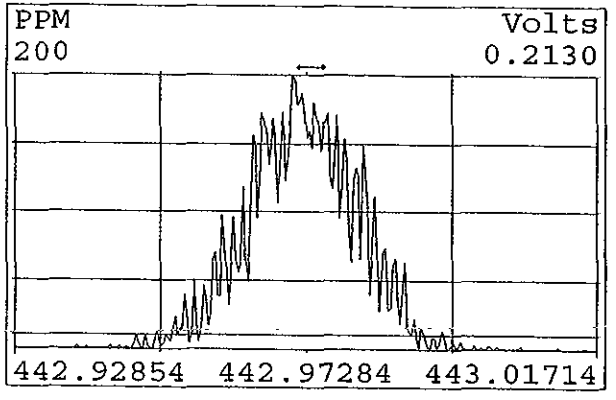


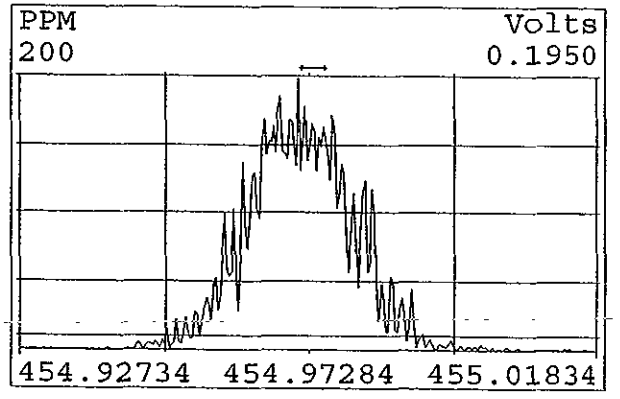
Peak Locate Examination:30-APR-2010:12:07 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:4 Reference:PFK

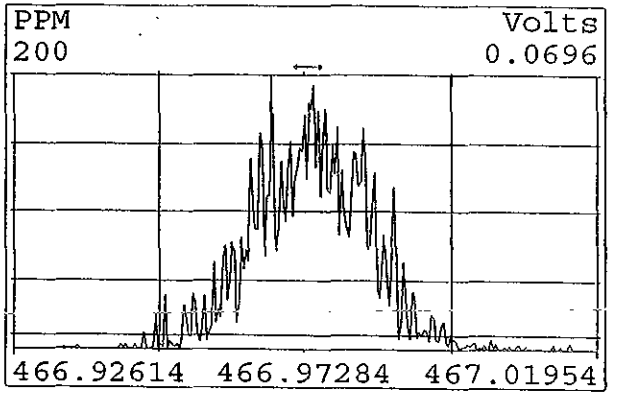


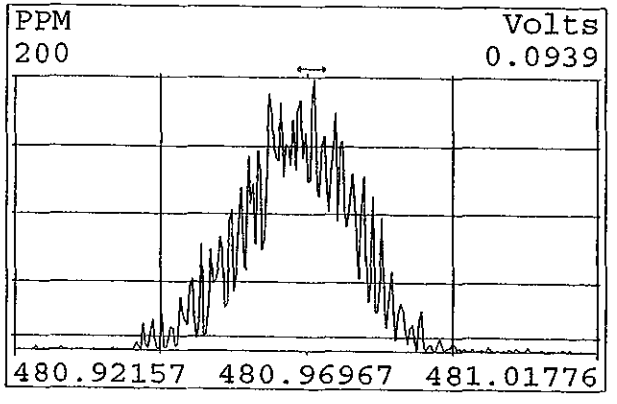




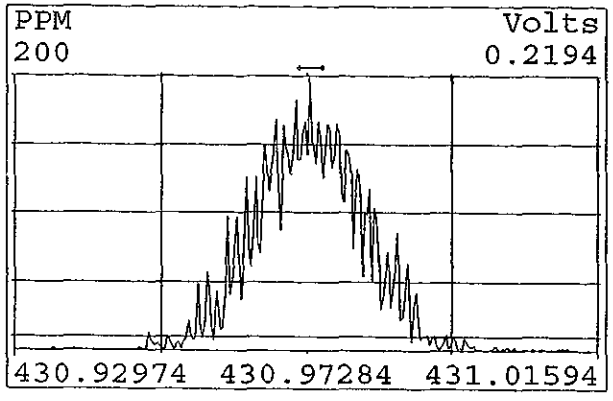


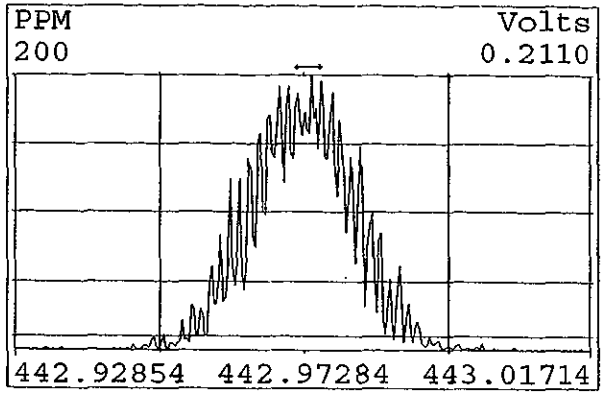


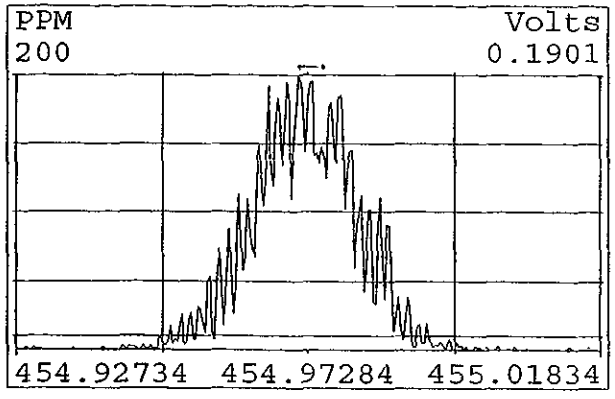


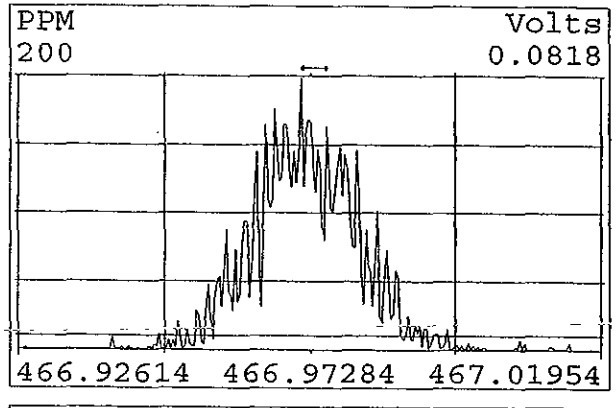


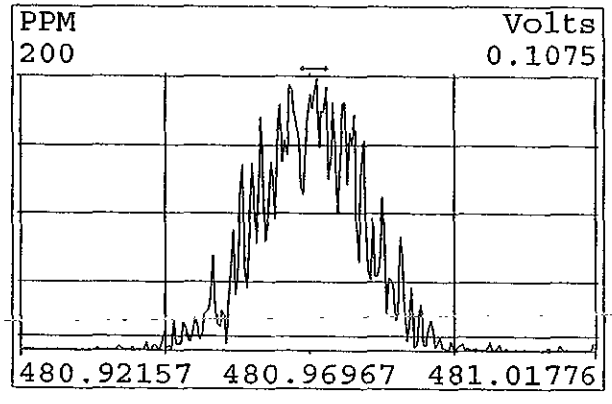
Peak Locate Examination:30-APR-2010:12:07 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:5 Reference:PFK

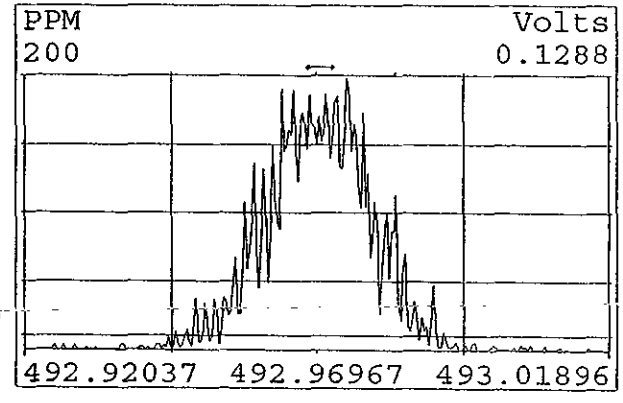


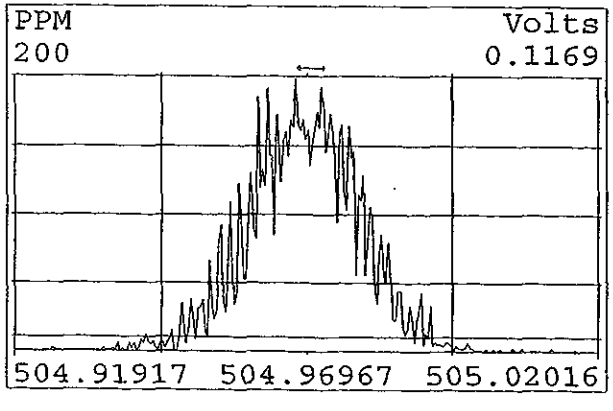


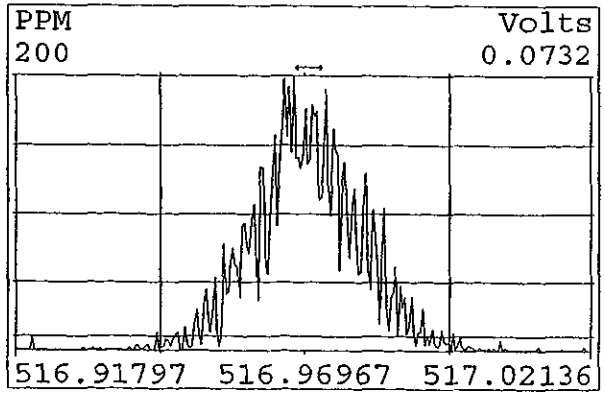




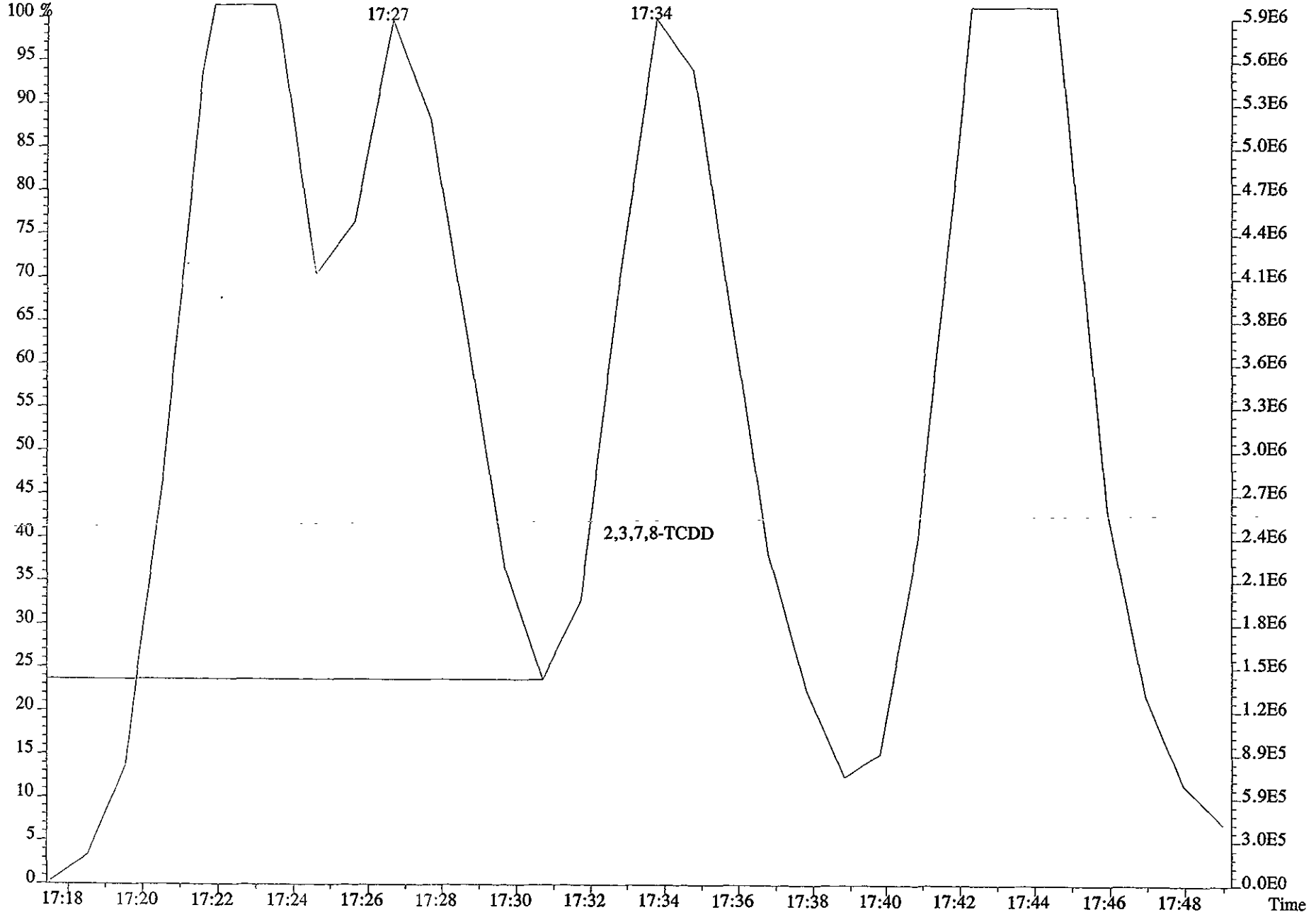








File:29AP101D5 #1-385 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
321.8936 S:19



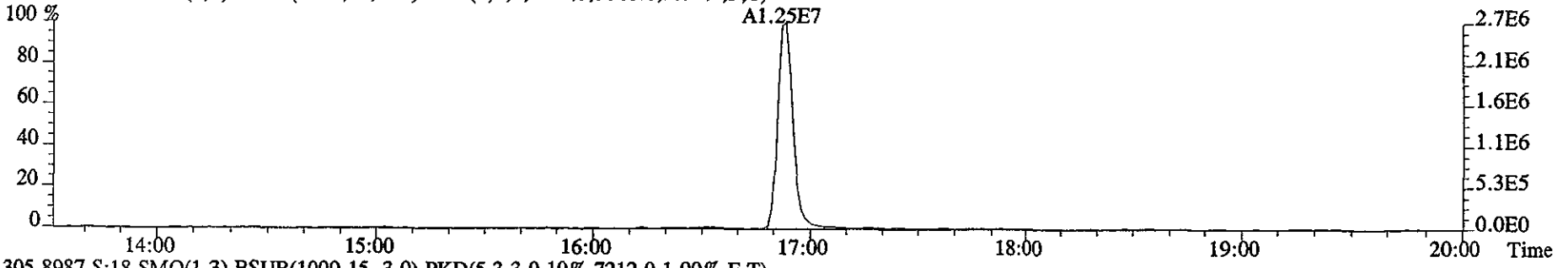
Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5

ST1231B :CS-1 09DXN422 ST1231C :CS-2 09DXN423 ST1231D :CS-3 09DXN425
ST1231E :CS-4 09DXN426 ST1231F :CS-5 09DXN456

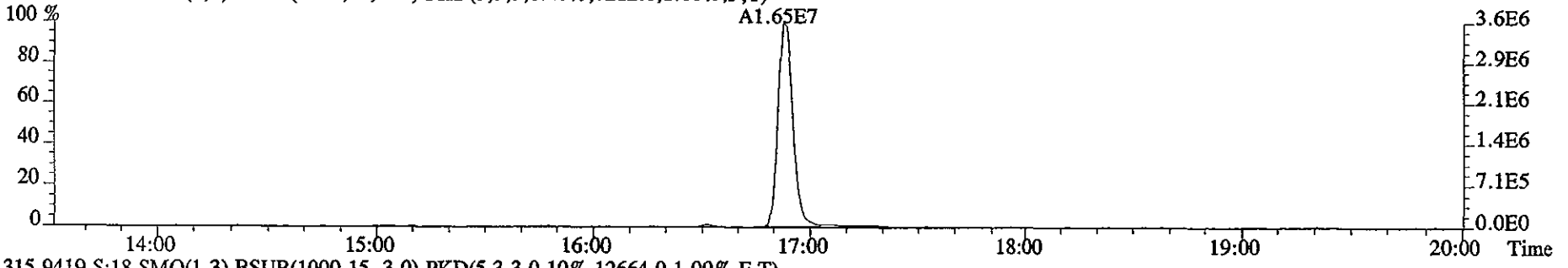
				31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5				
				S2	S3	S4	S5	S6
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3 %	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

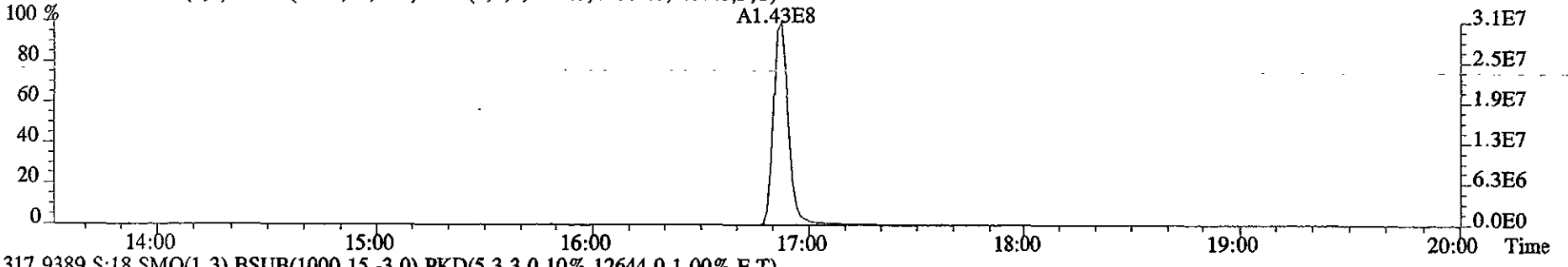
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5828.0,1.00%,F,T)



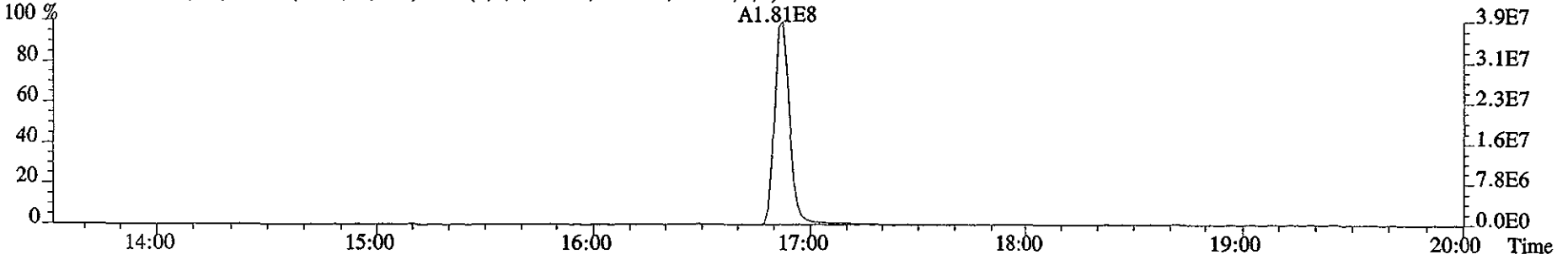
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T)



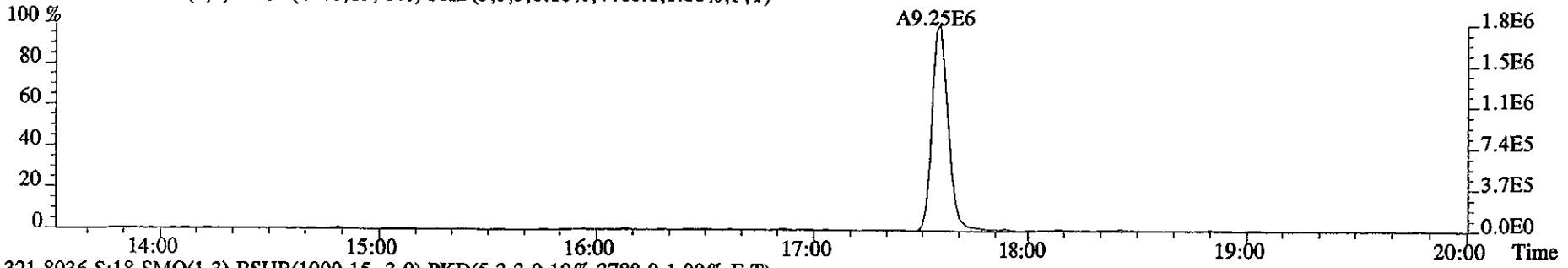
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12664.0,1.00%,F,T)



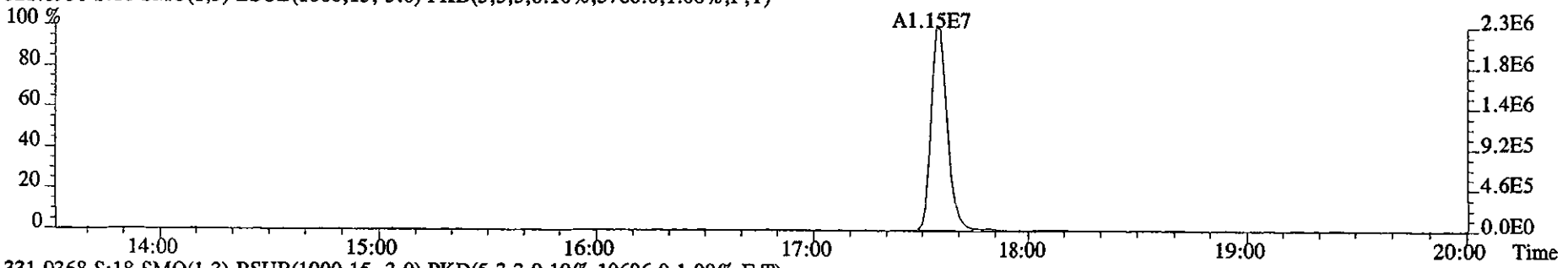
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12644.0,1.00%,F,T)



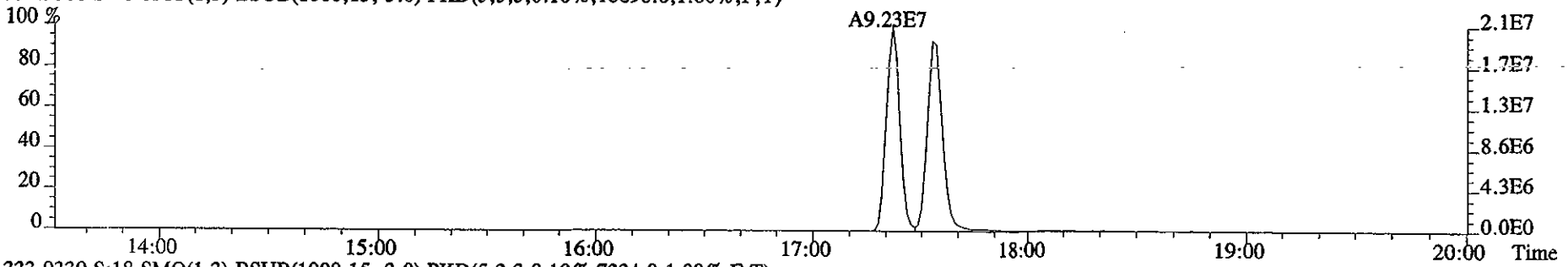
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4460.0,1.00%,F,T)



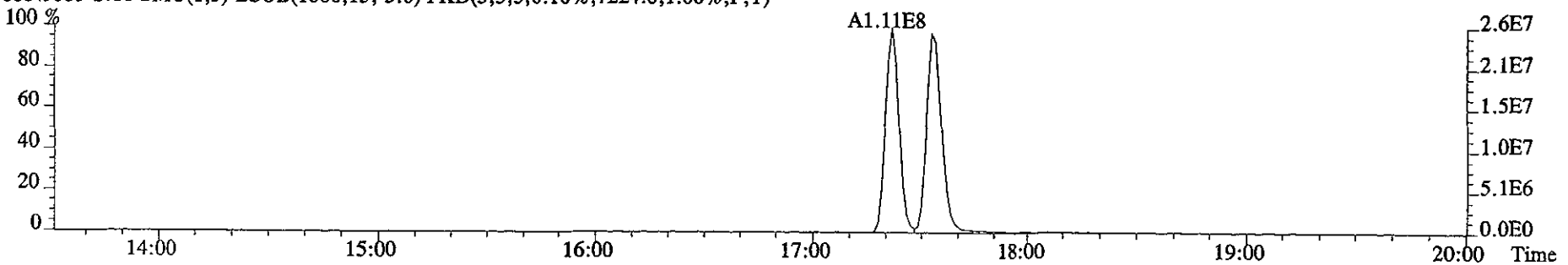
321.8936 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3788.0,1.00%,F,T)



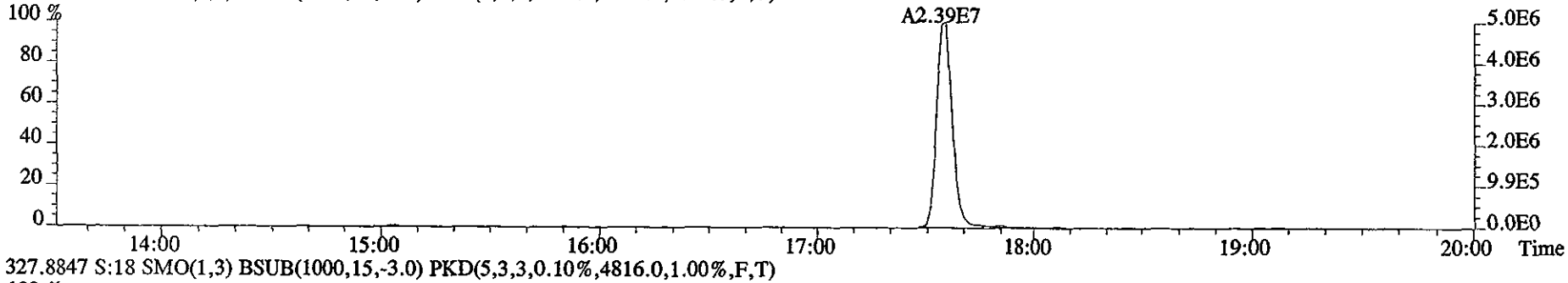
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10696.0,1.00%,F,T)



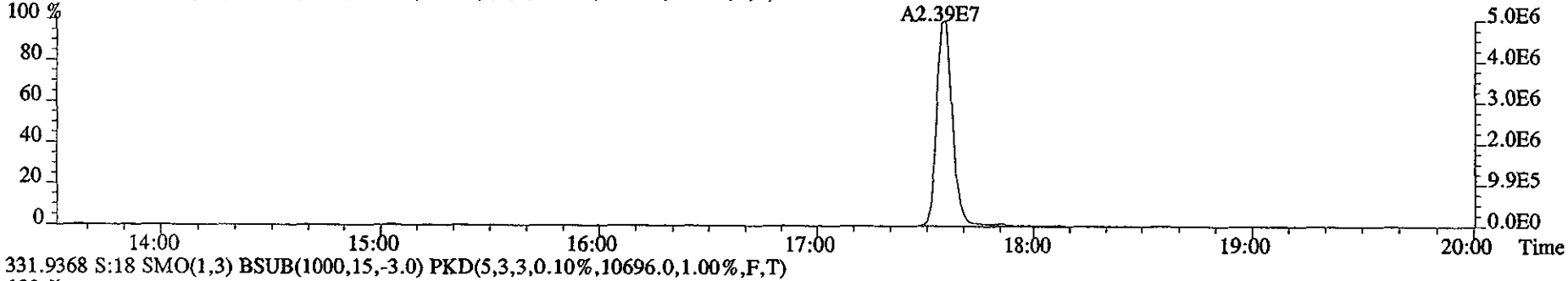
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



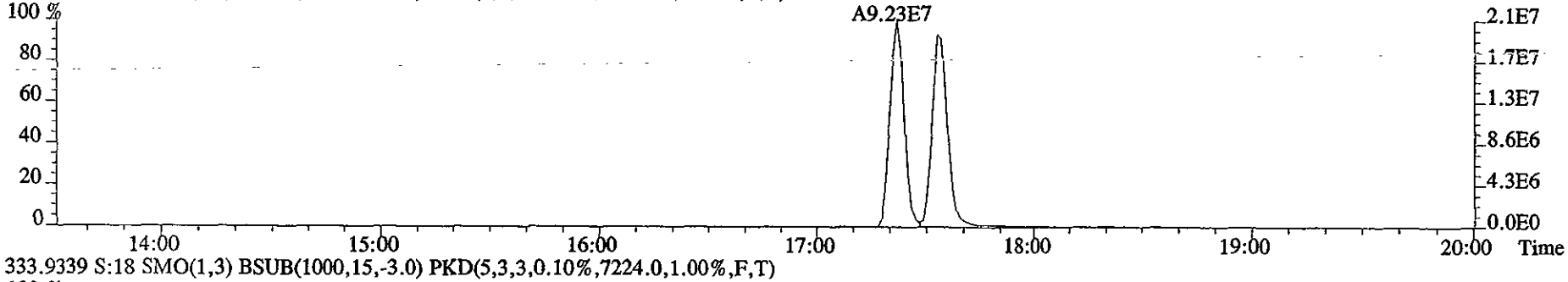
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816.0,1.00%,F,T)



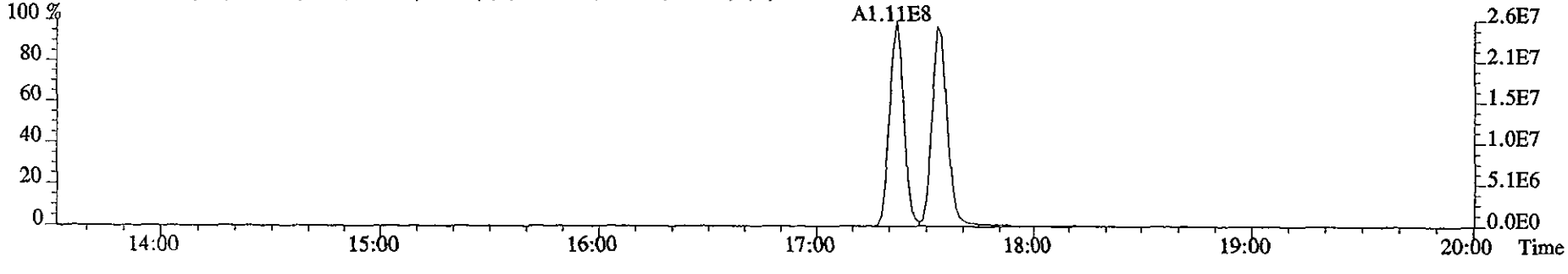
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816.0,1.00%,F,T)



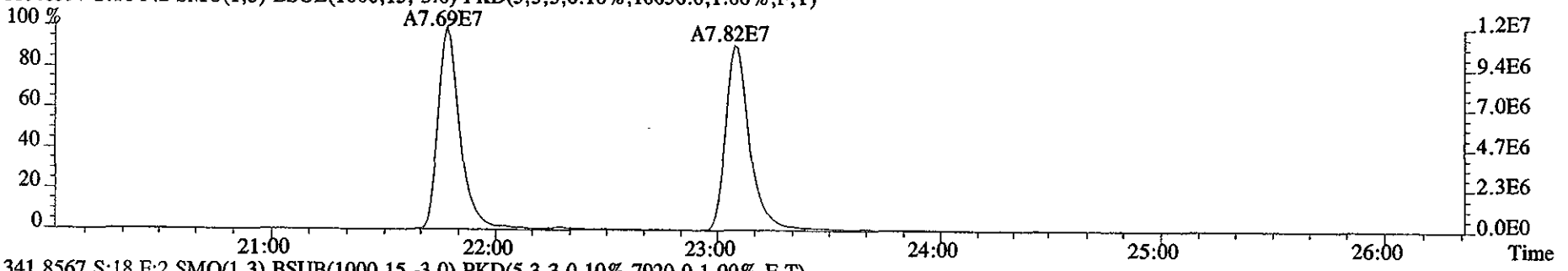
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10696.0,1.00%,F,T)



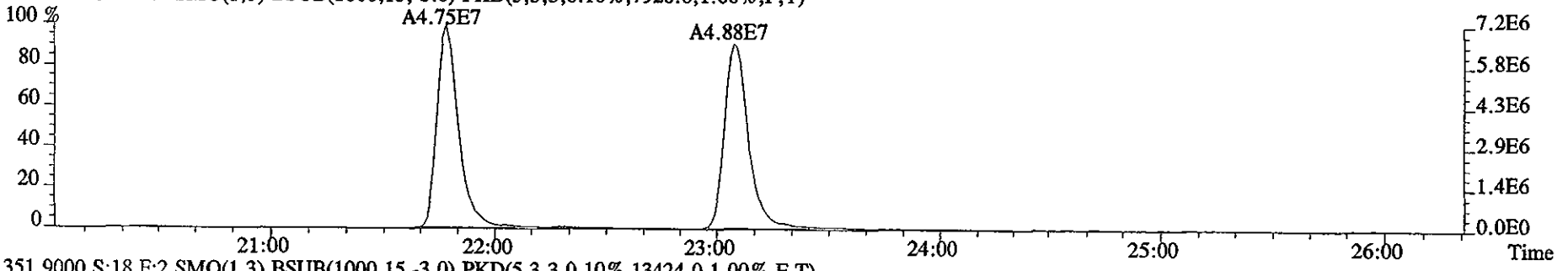
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



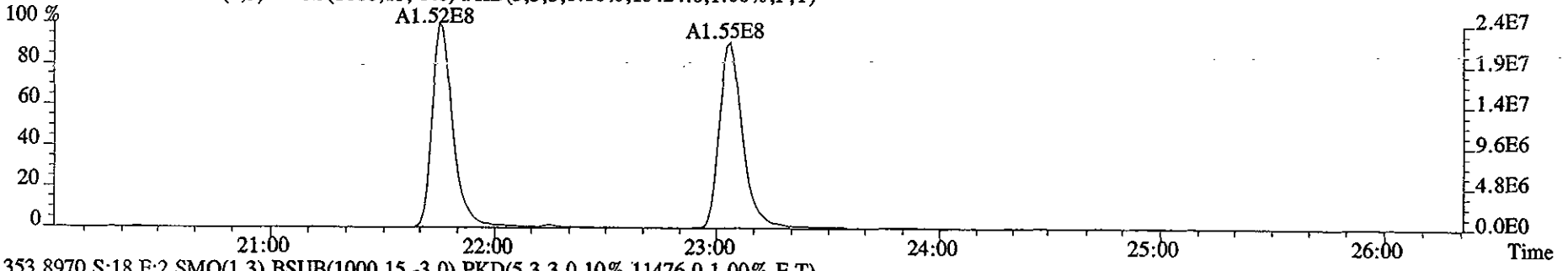
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10656.0,1.00%,F,T)



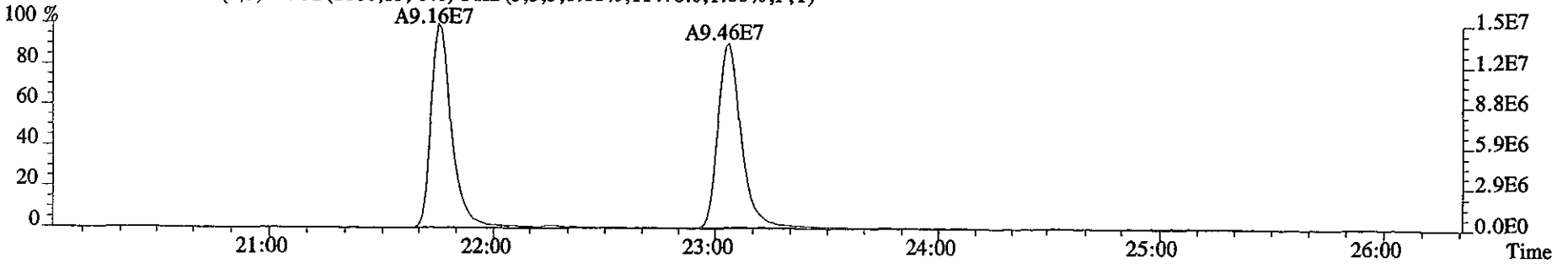
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920.0,1.00%,F,T)



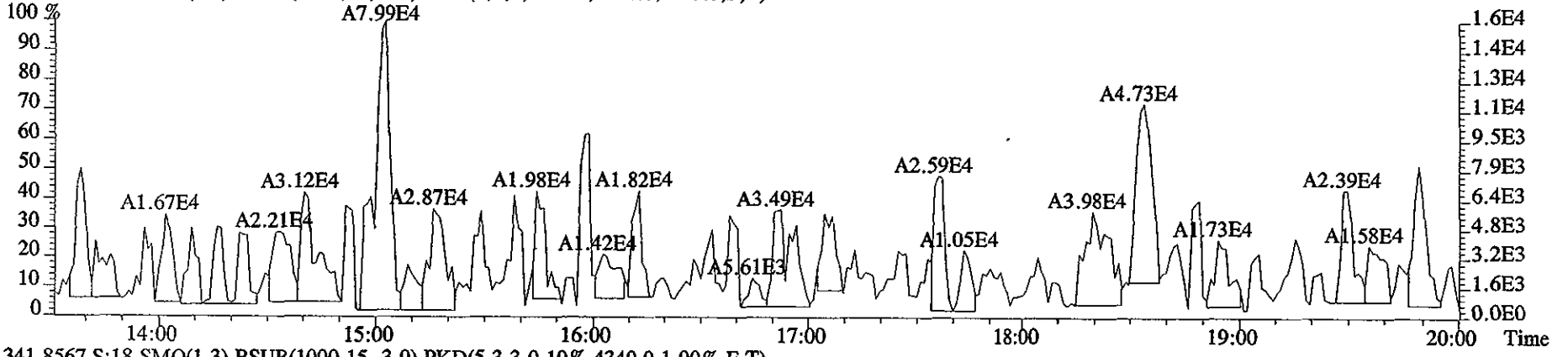
351.9000 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13424.0,1.00%,F,T)



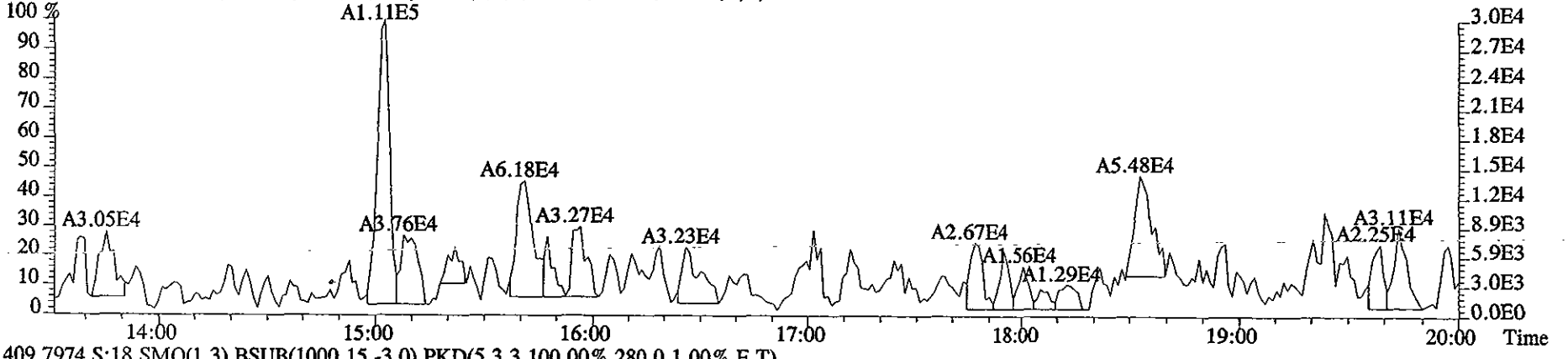
353.8970 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11476.0,1.00%,F,T)



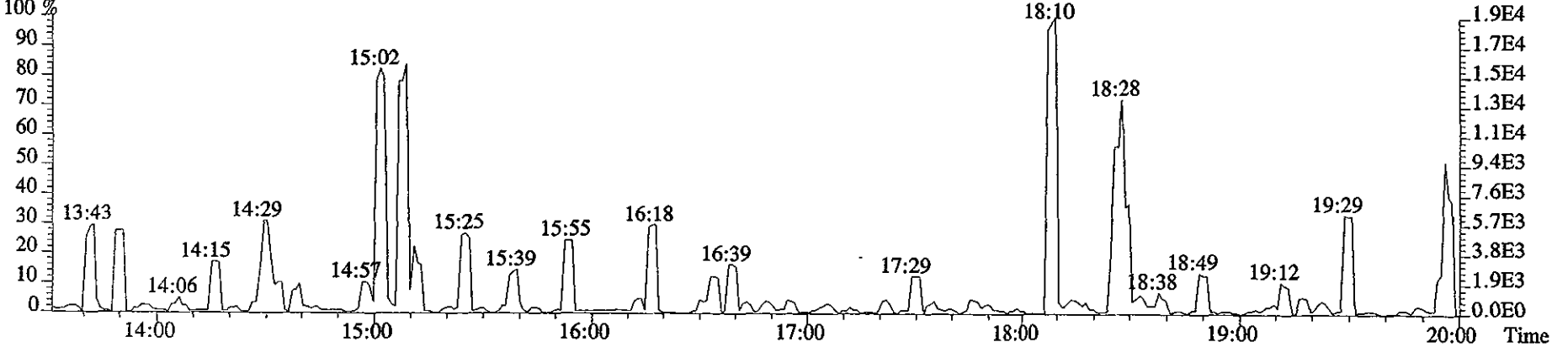
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
339.8597 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556.0,1.00%,F,T)



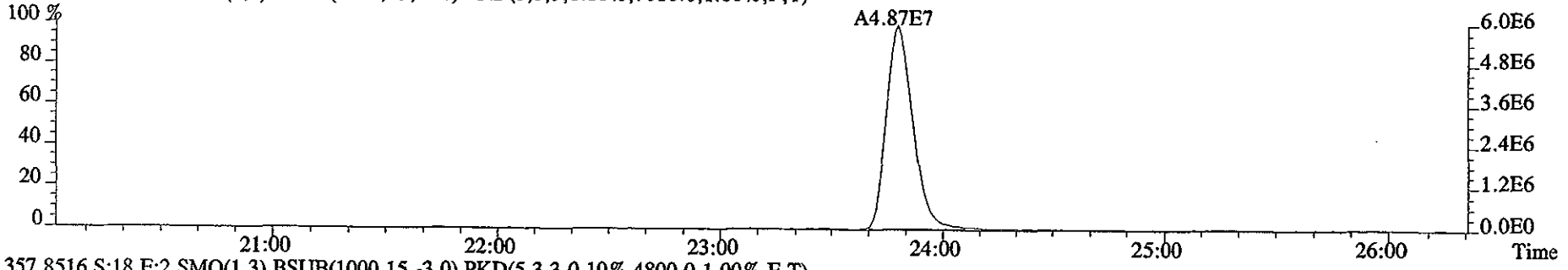
341.8567 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



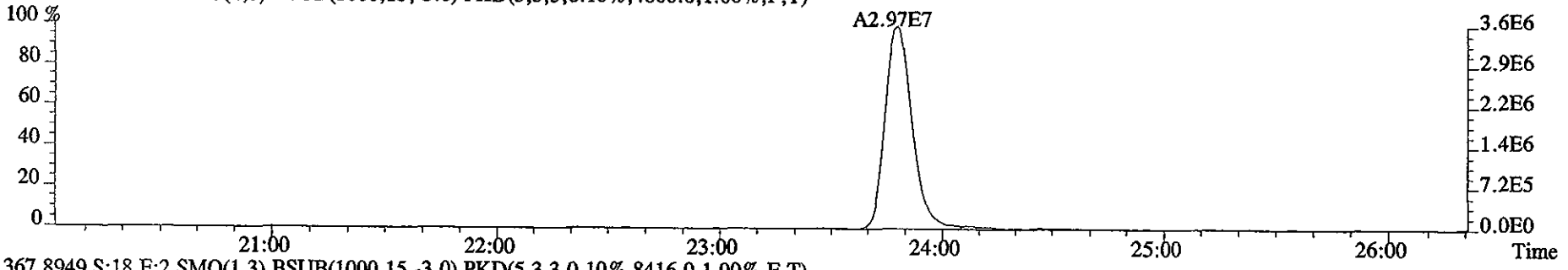
409.7974 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,280.0,1.00%,F,T)



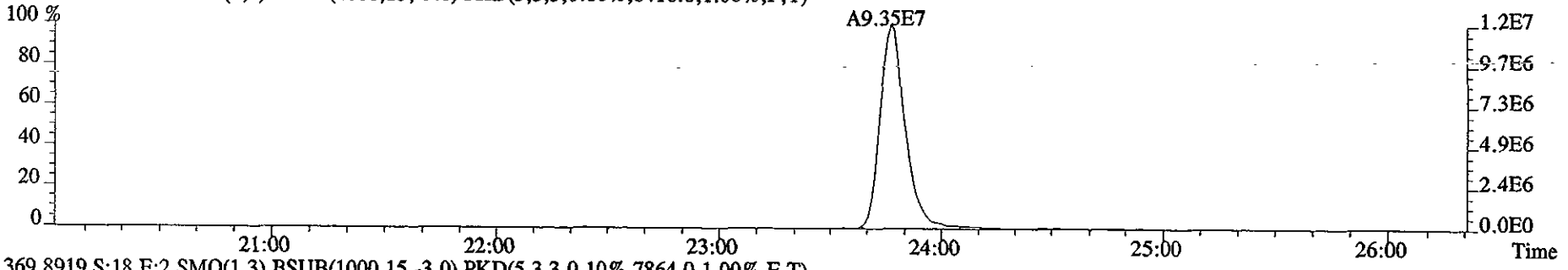
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
355.8546 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7016.0,1.00%,F,T)



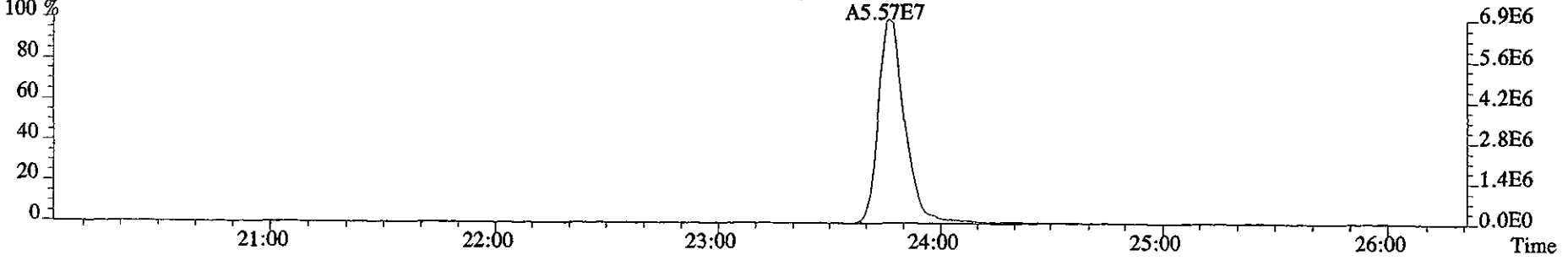
357.8516 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4800.0,1.00%,F,T)



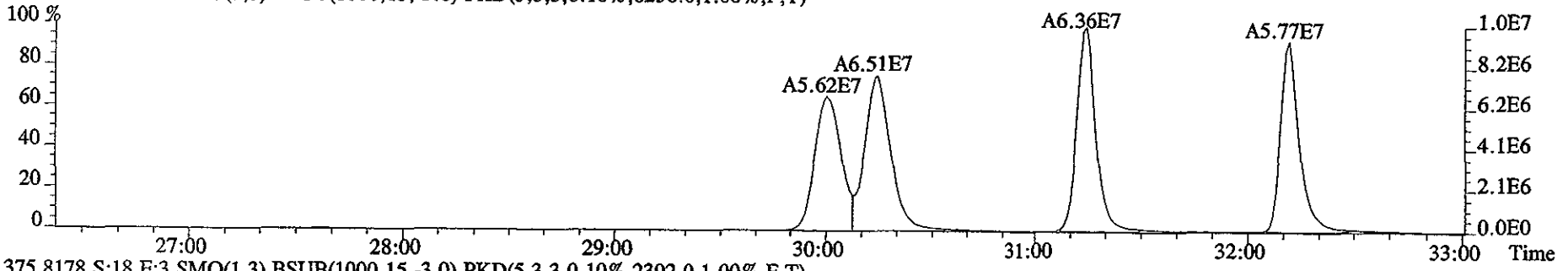
367.8949 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8416.0,1.00%,F,T)



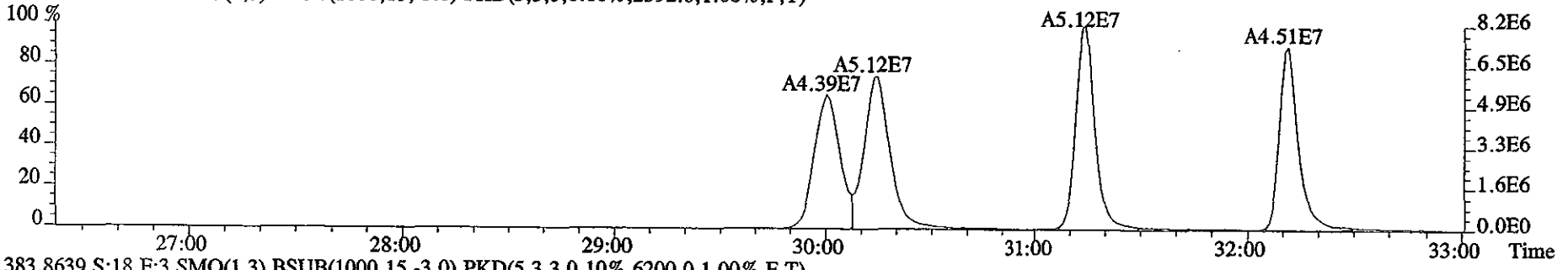
369.8919 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7864.0,1.00%,F,T)



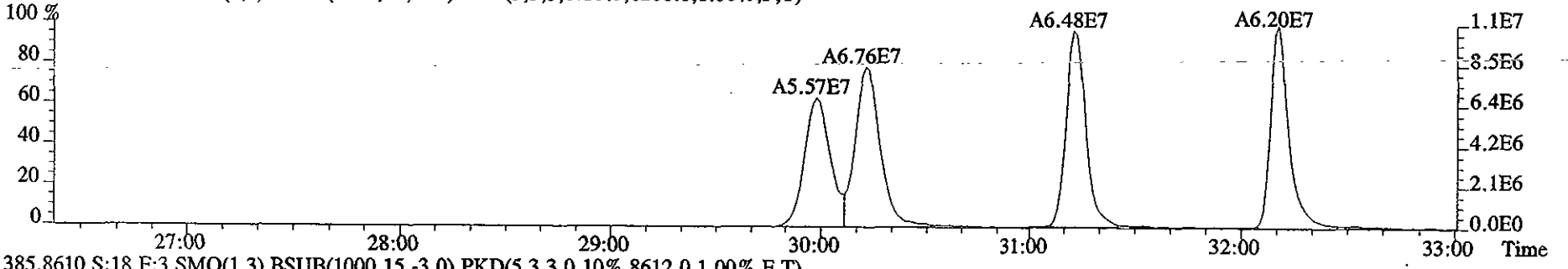
File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
373.8208 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)



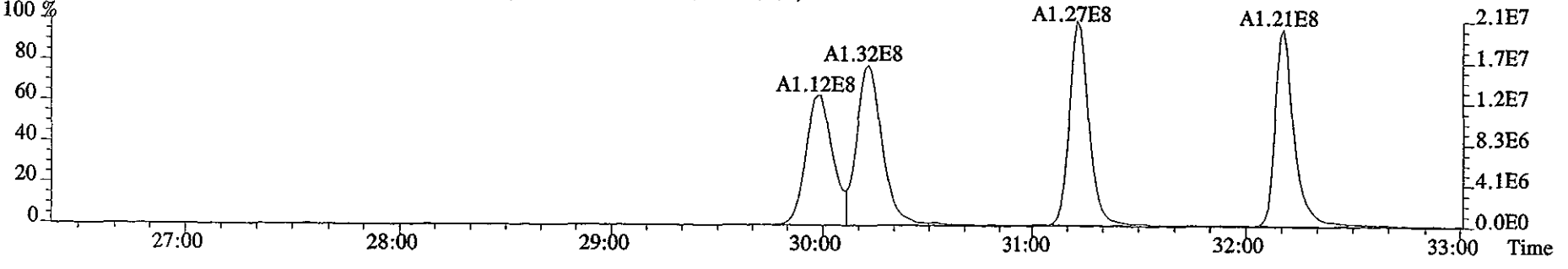
375.8178 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



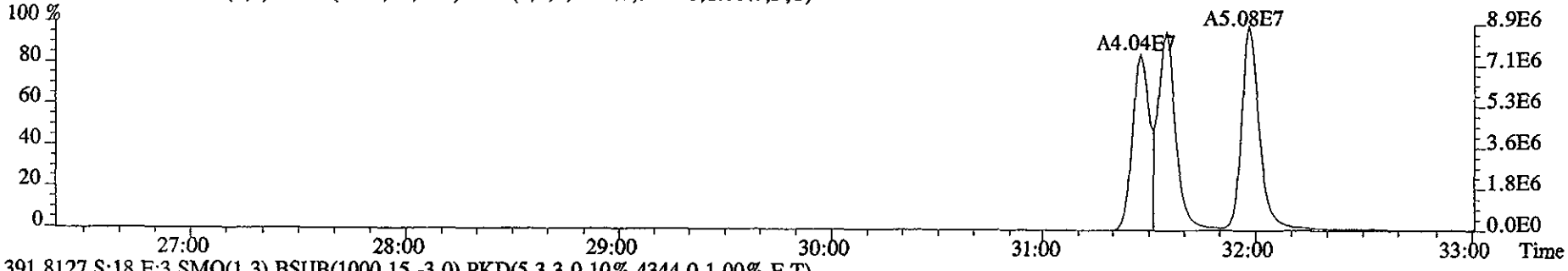
383.8639 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6200.0,1.00%,F,T)



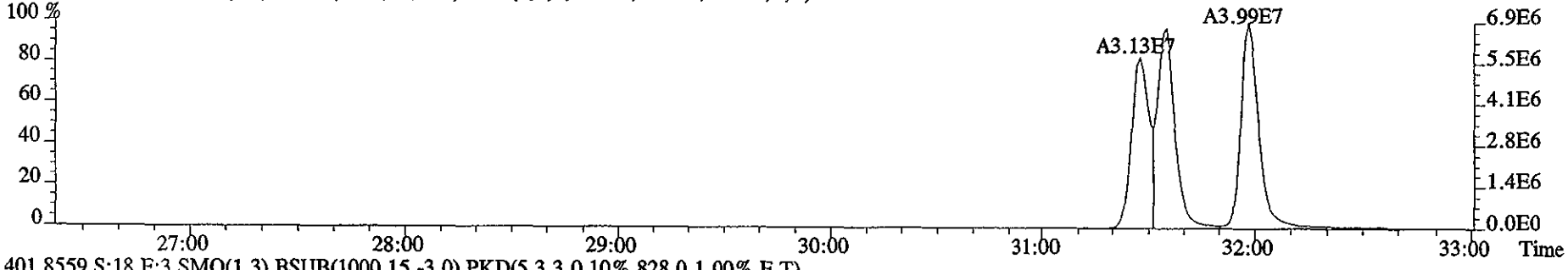
385.8610 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8612.0,1.00%,F,T)



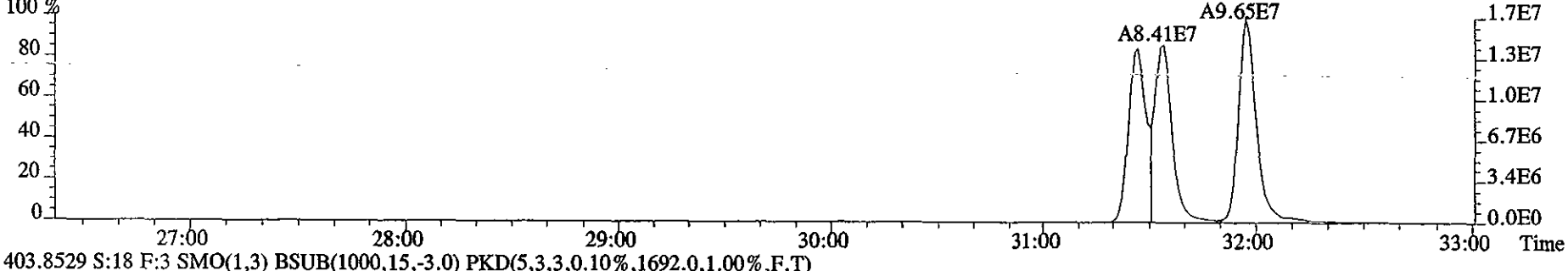
File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
389.8157 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



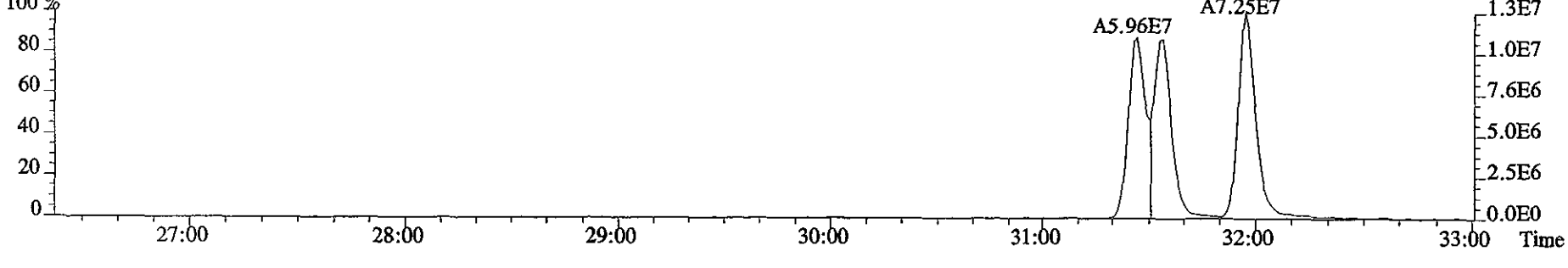
391.8127 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4344.0,1.00%,F,T)



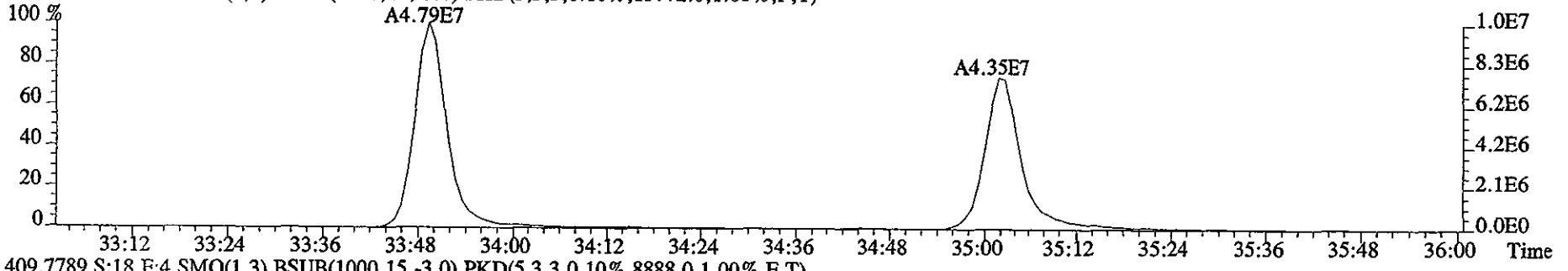
401.8559 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)



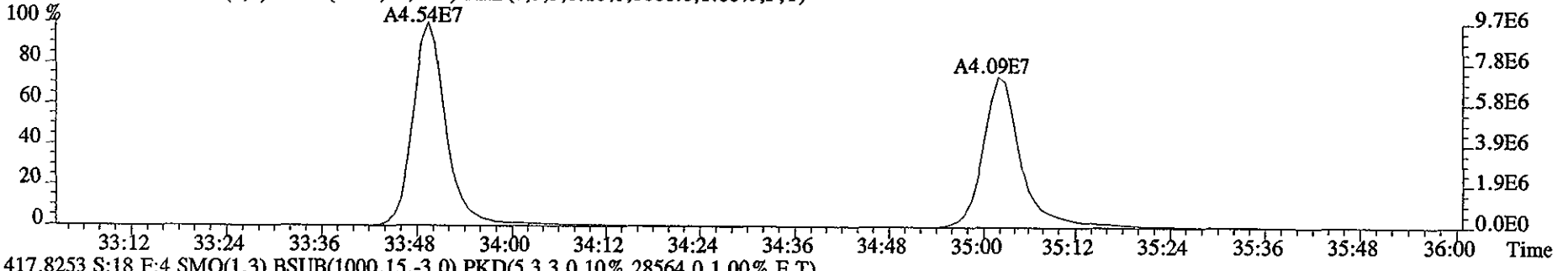
403.8529 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1692.0,1.00%,F,T)



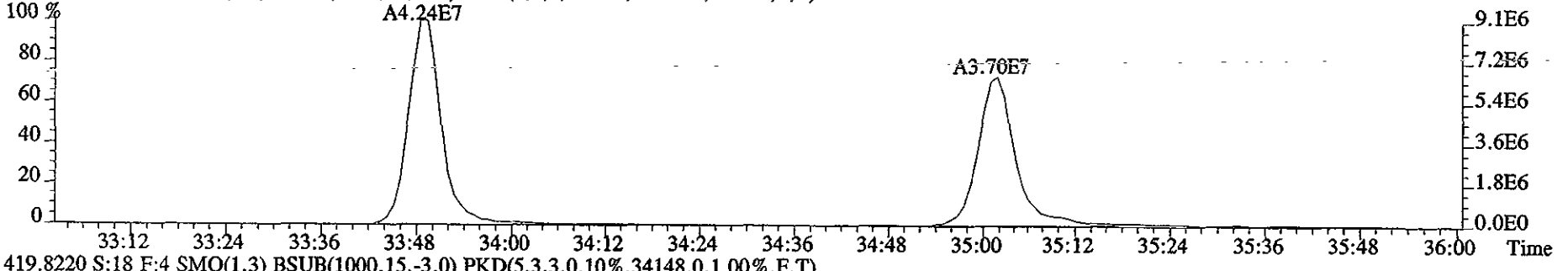
File:29AP101D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
407.7818 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15772.0,1.00%,F,T)



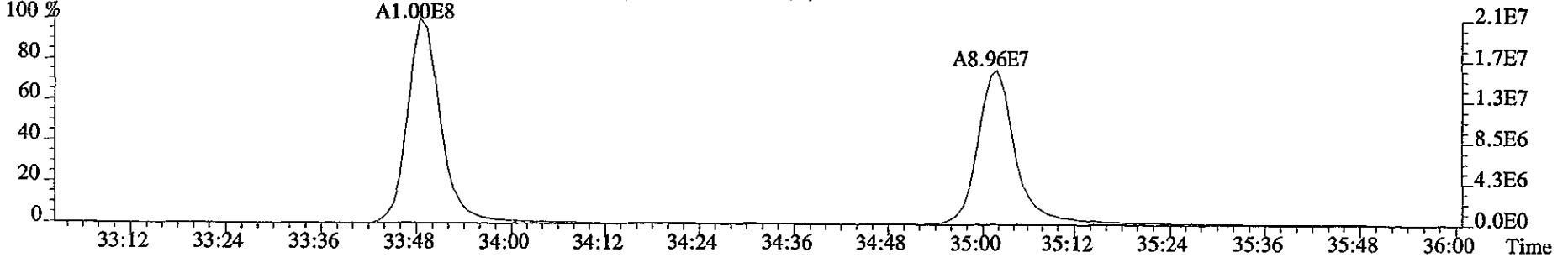
409.7789 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8888.0,1.00%,F,T)



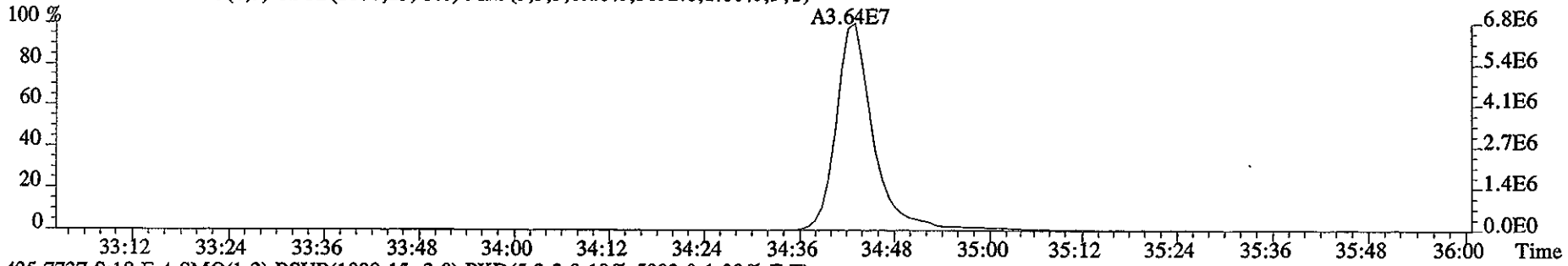
417.8253 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28564.0,1.00%,F,T)



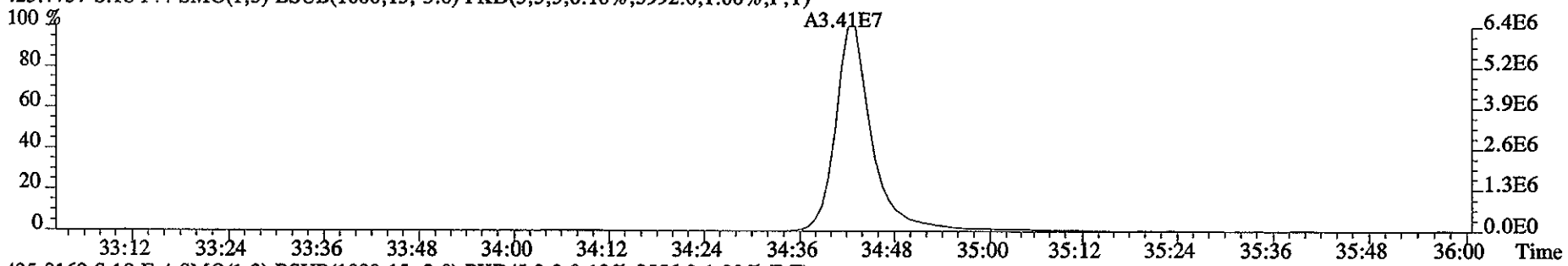
419.8220 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34148.0,1.00%,F,T)



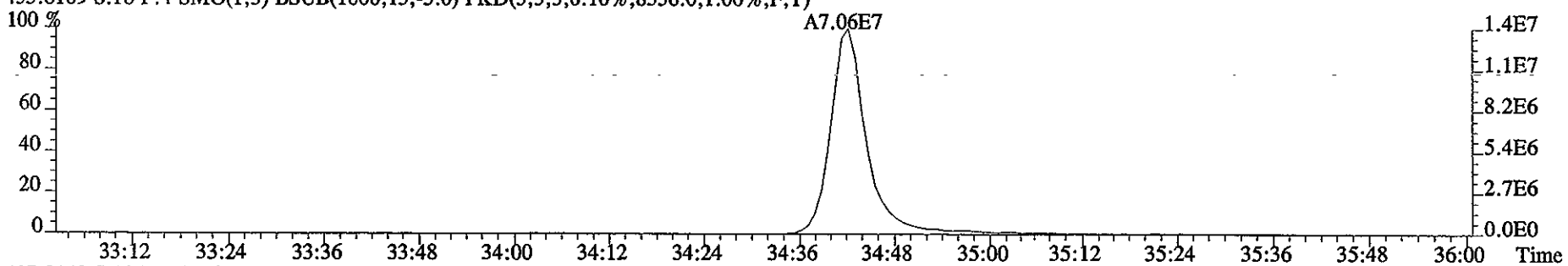
File:29AP101D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
423.7766 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5692.0,1.00%,F,T)



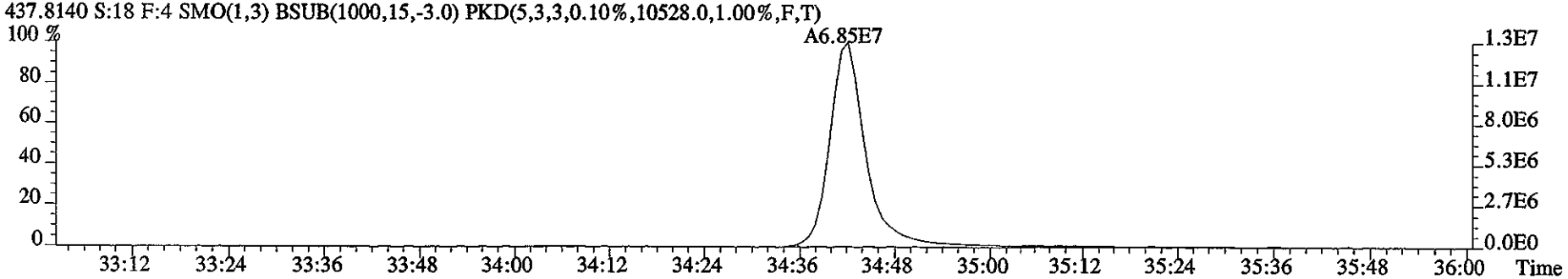
425.7737 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5992.0,1.00%,F,T)



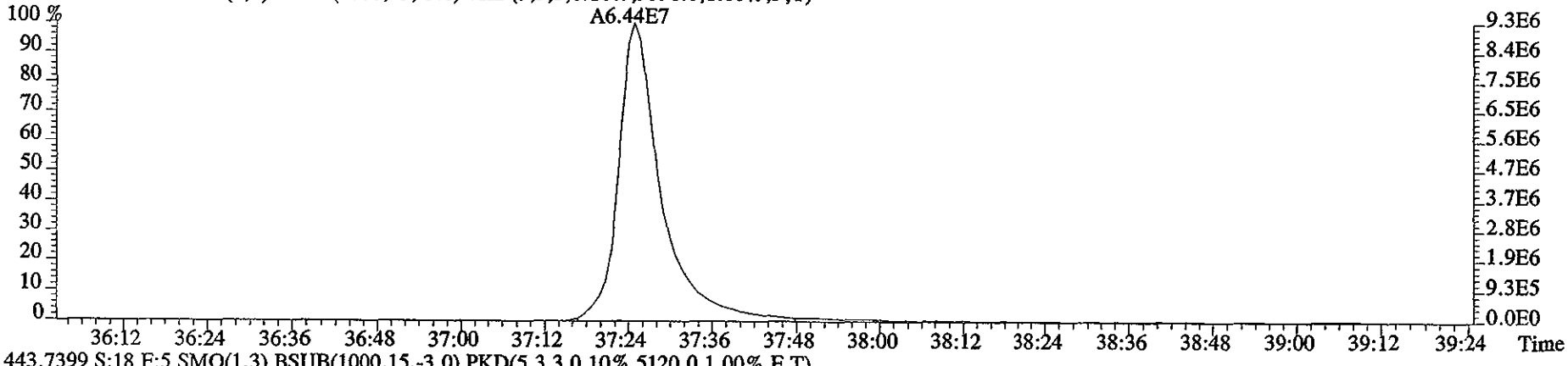
435.8169 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8556.0,1.00%,F,T)



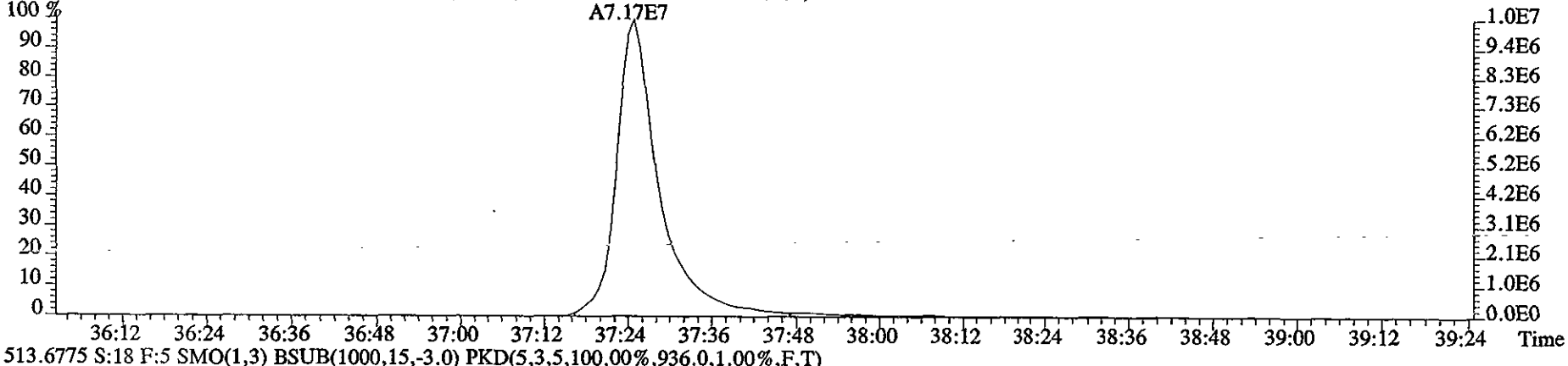
437.8140 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10528.0,1.00%,F,T)



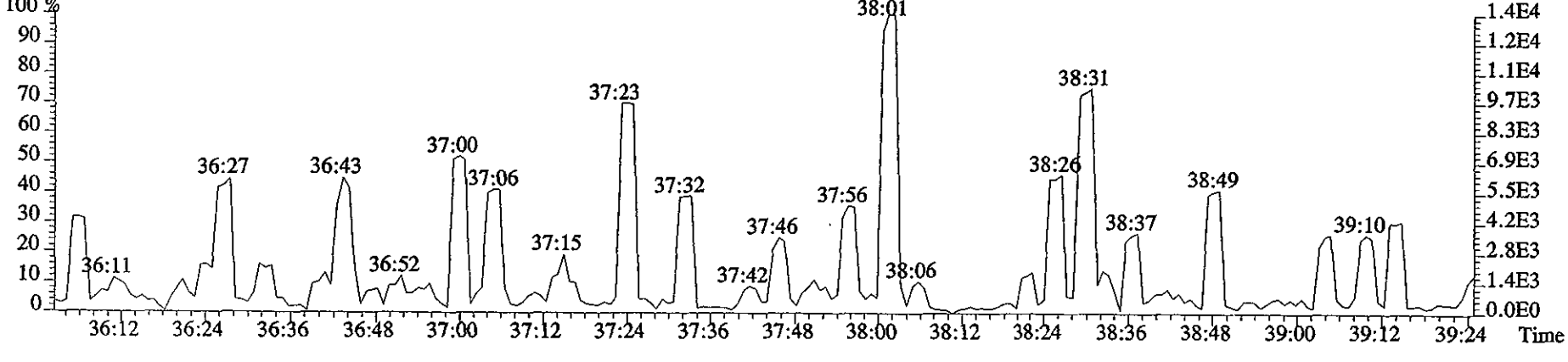
File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
441.7428 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9596.0,1.00%,F,T)



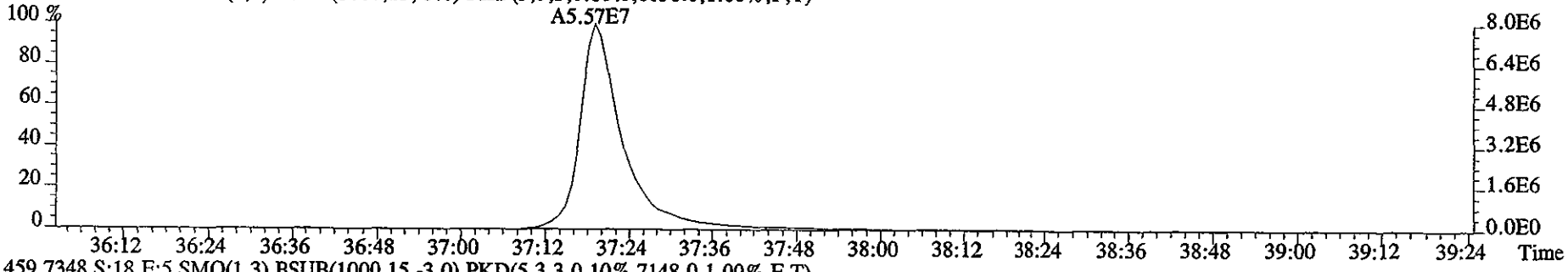
443.7399 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5120.0,1.00%,F,T)



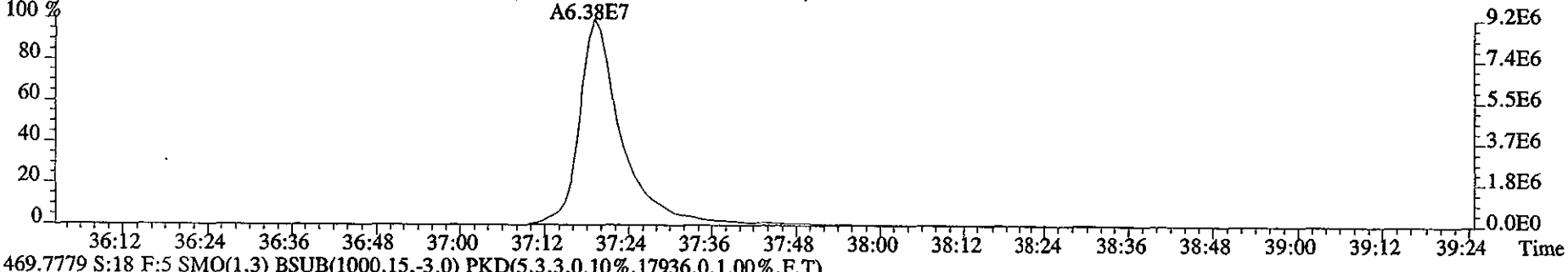
513.6775 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,936.0,1.00%,F,T)



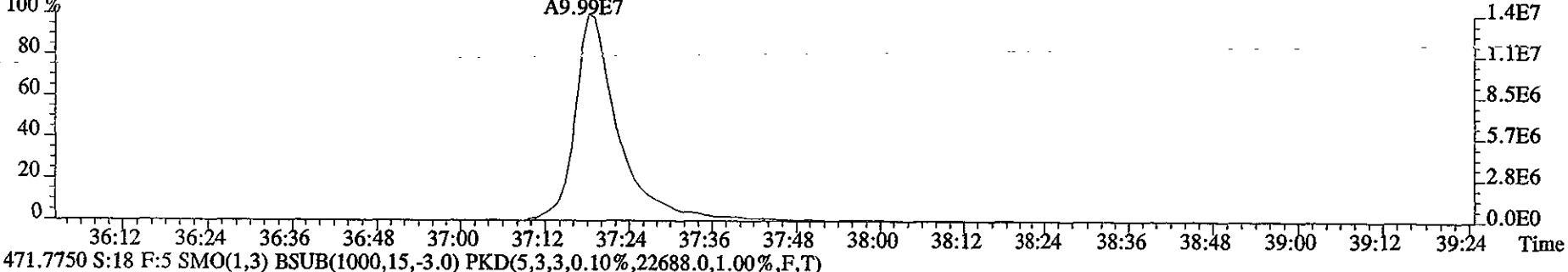
File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
457.7377 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)



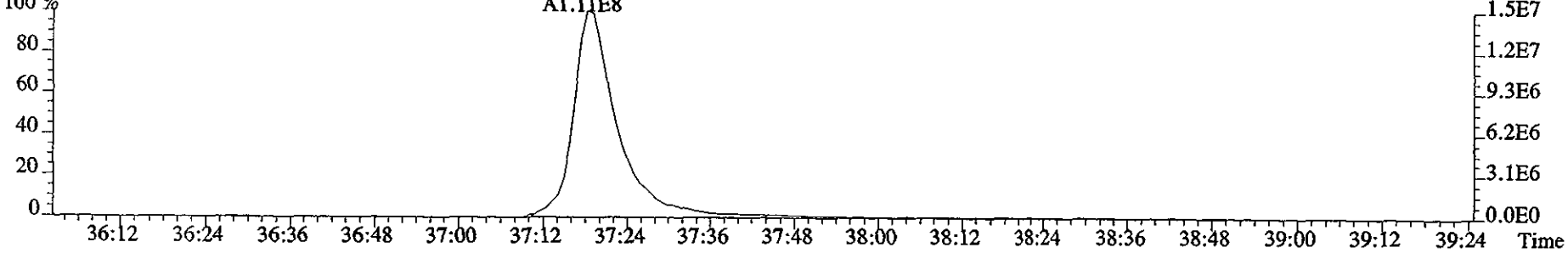
459.7348 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7148.0,1.00%,F,T)



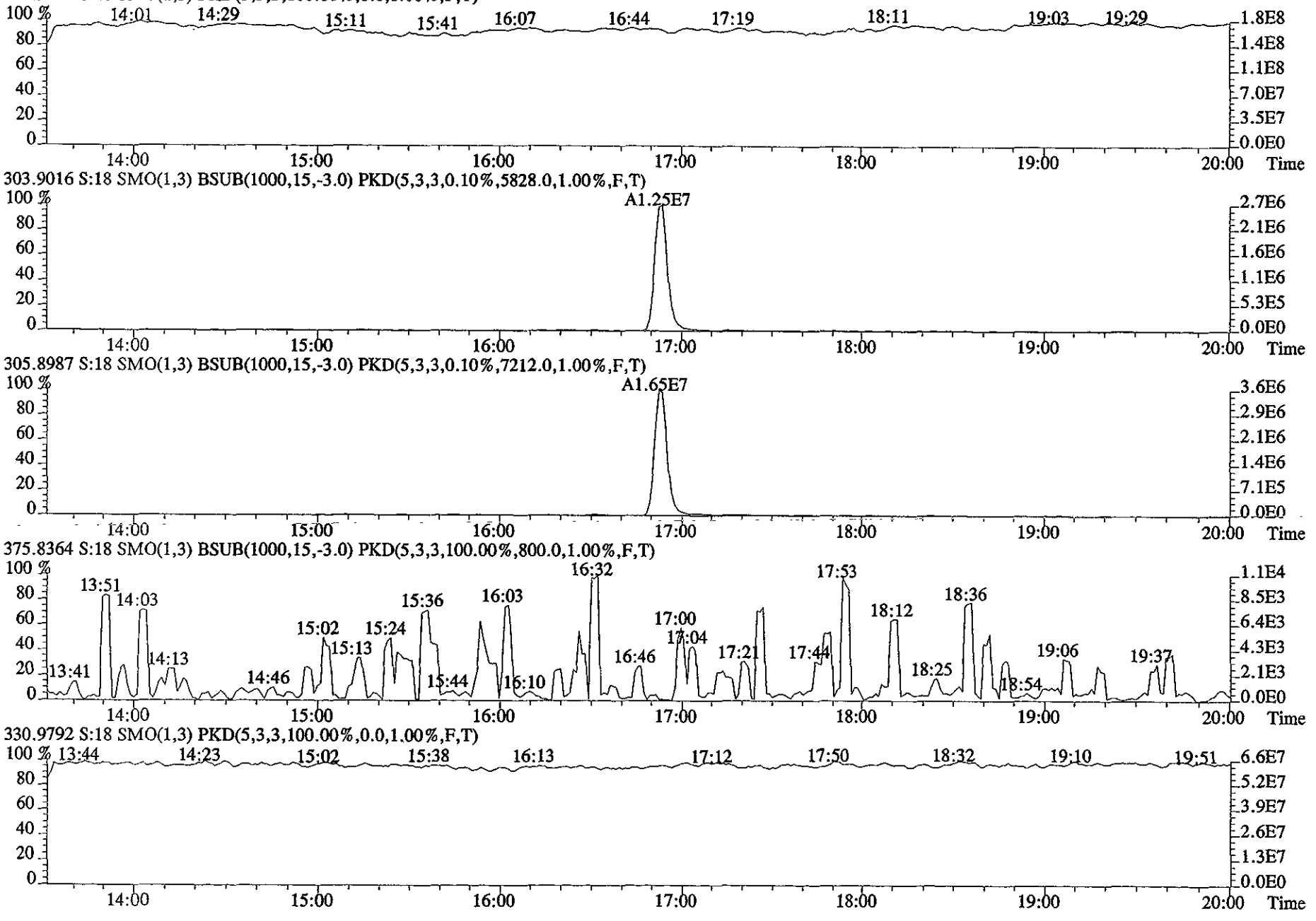
469.7779 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17936.0,1.00%,F,T)



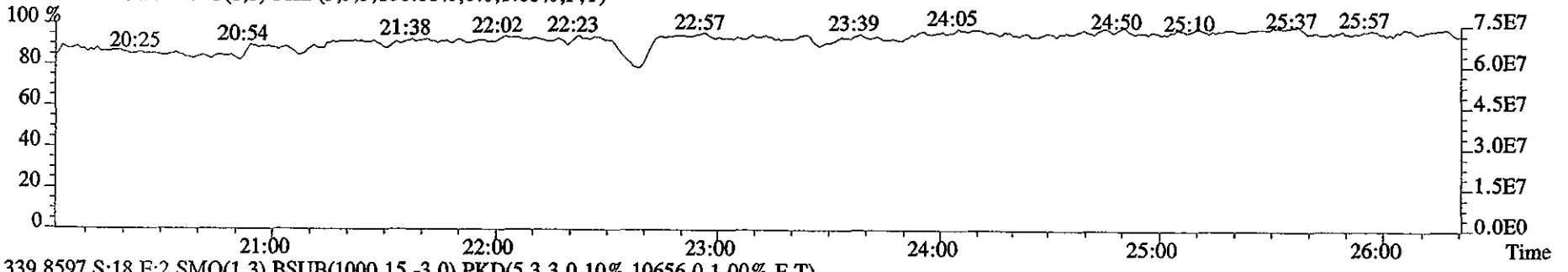
471.7750 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22688.0,1.00%,F,T)



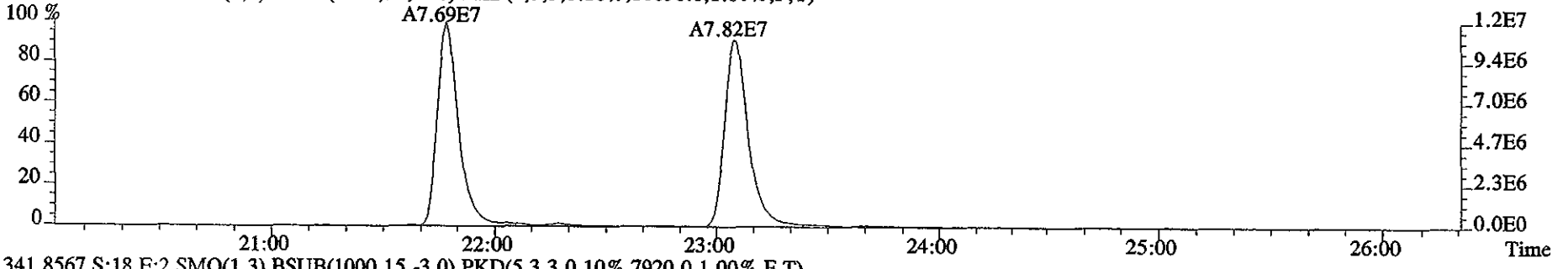
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES



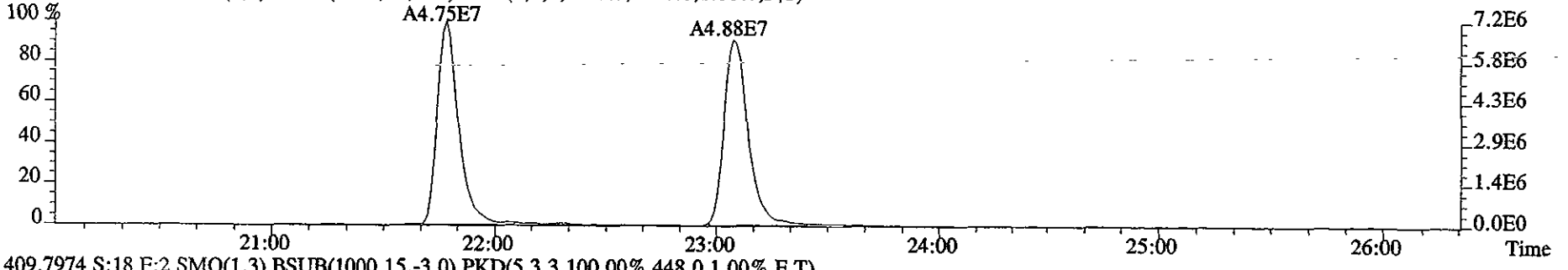
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
342.9792 S:18 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



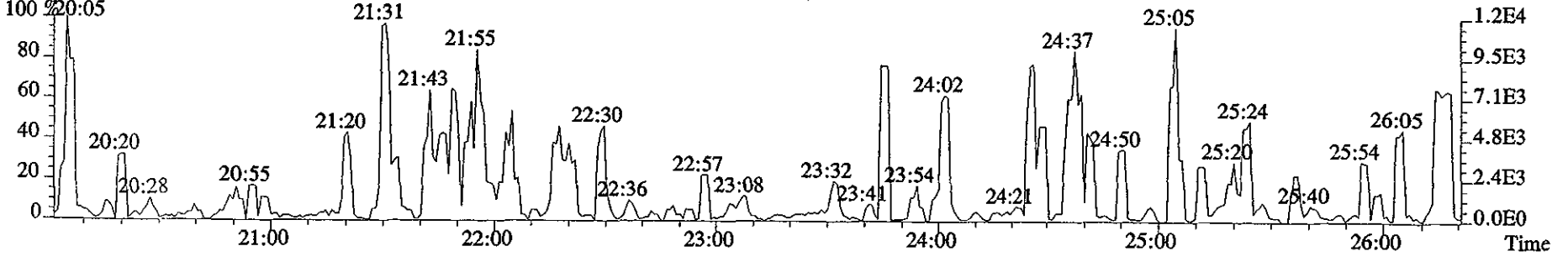
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10656.0,1.00%,F,T)



341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920.0,1.00%,F,T)

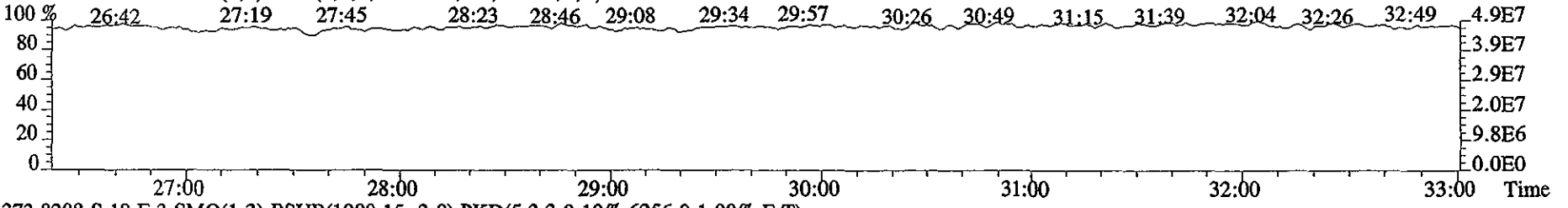


409.7974 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,448.0,1.00%,F,T)

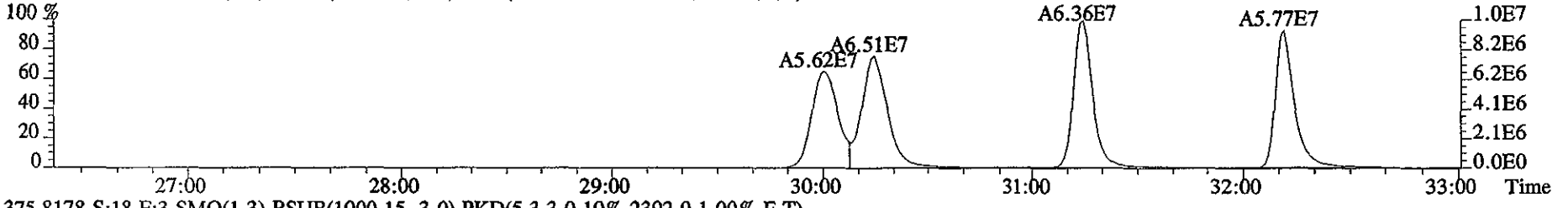


File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES

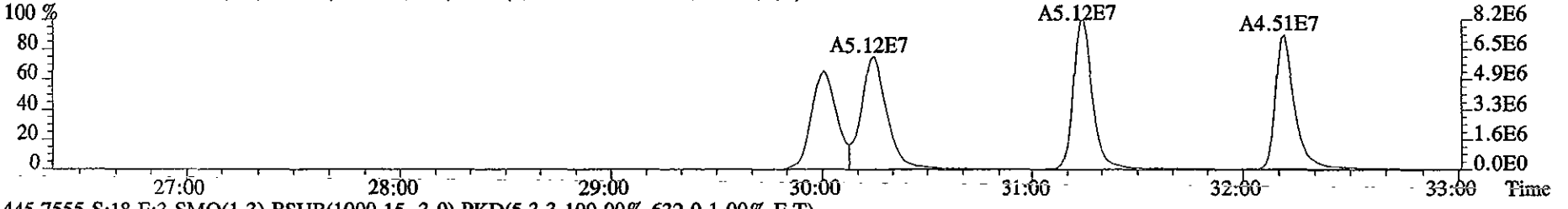
392.9760 S:18 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



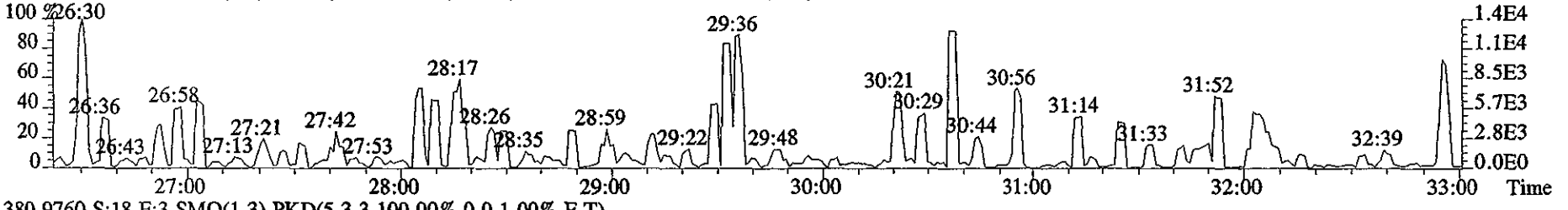
373.8208 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)



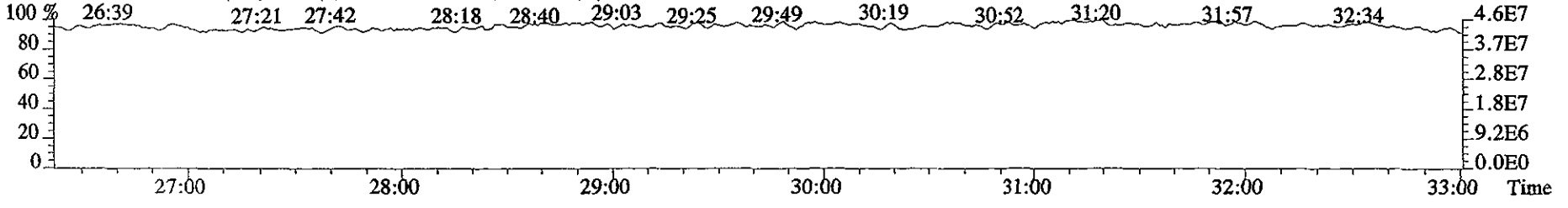
375.8178 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



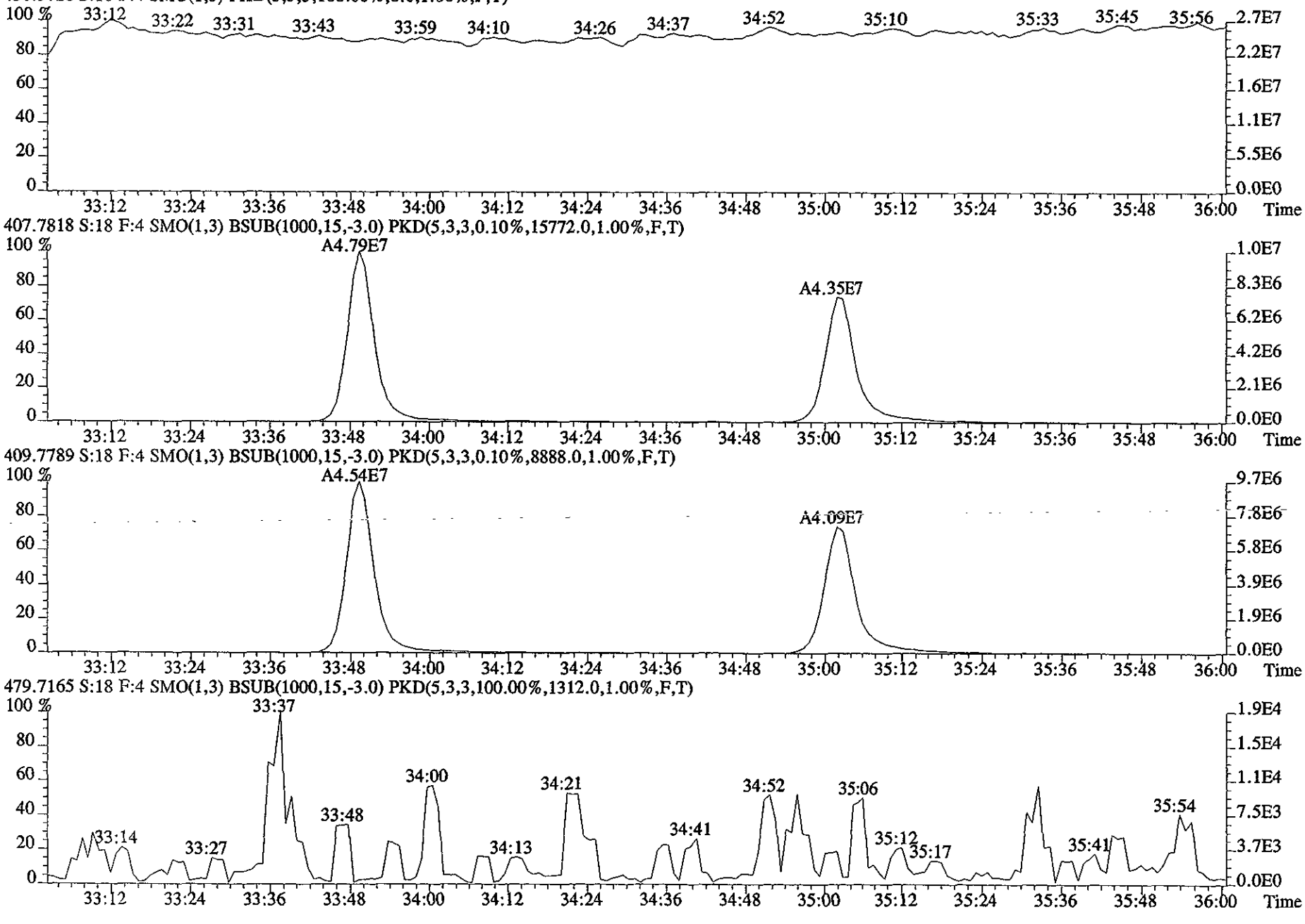
445.7555 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,632.0,1.00%,F,T)



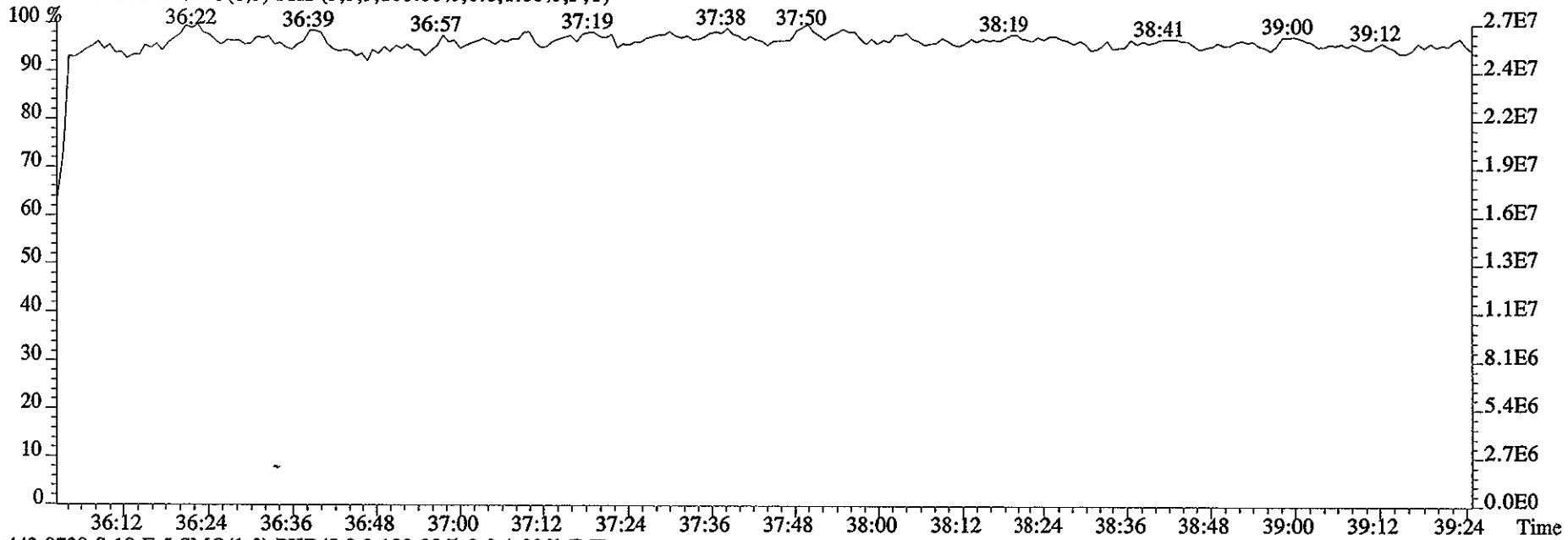
380.9760 S:18 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



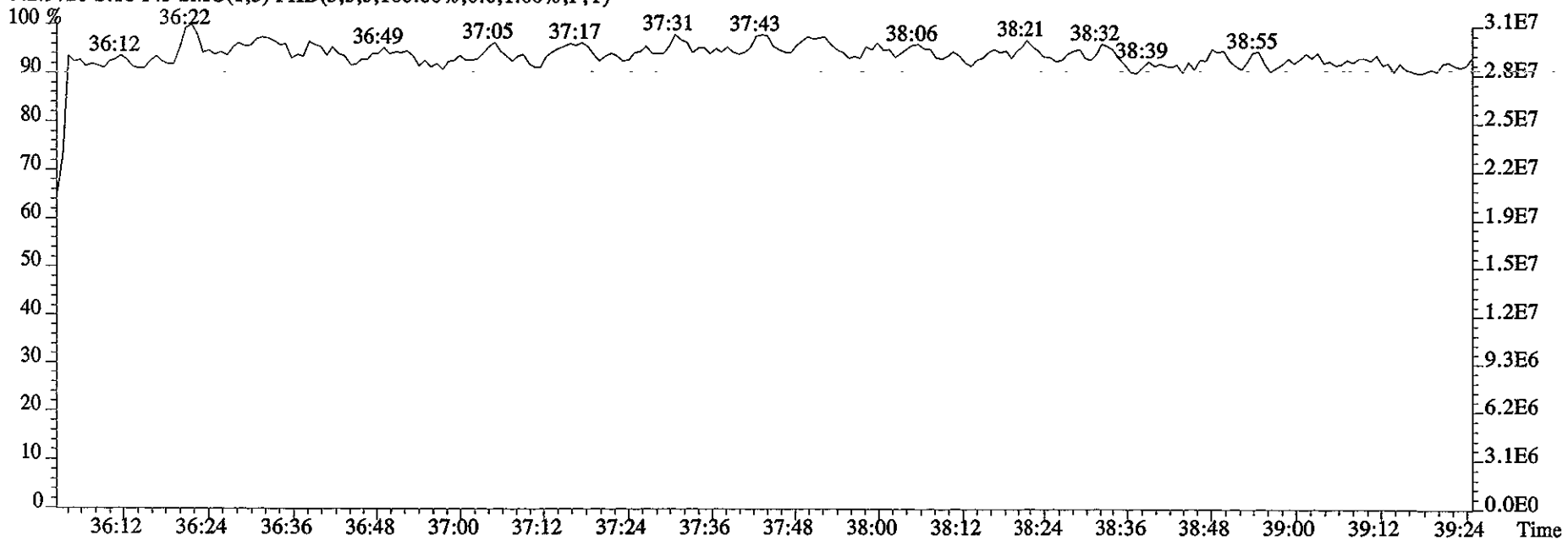
File:29AP101D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES



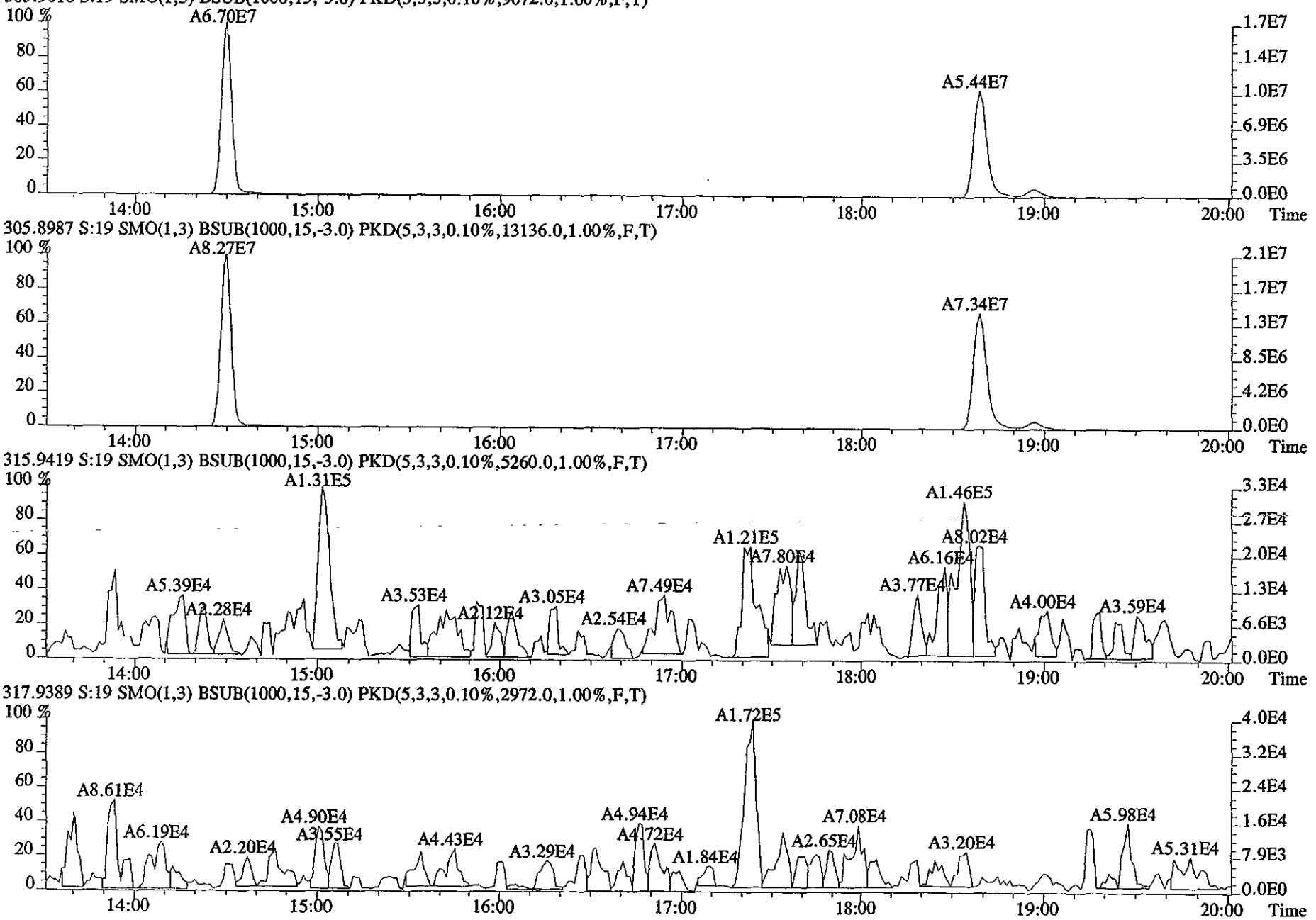
File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
454.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



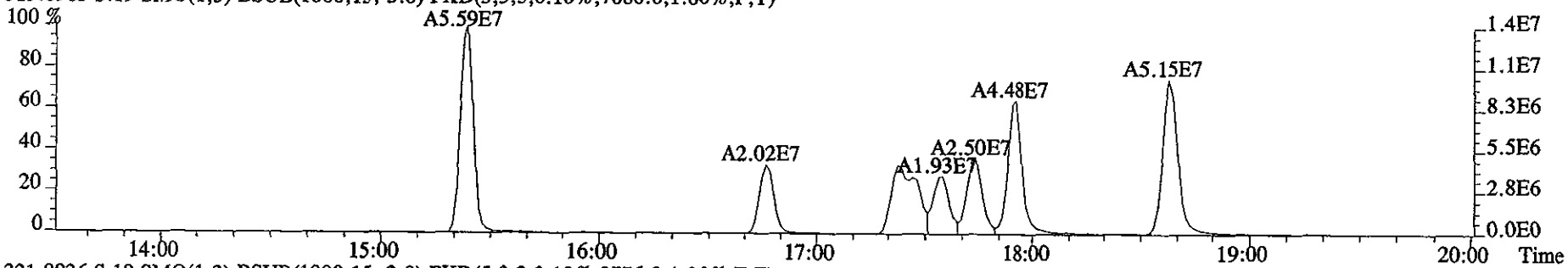
442.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



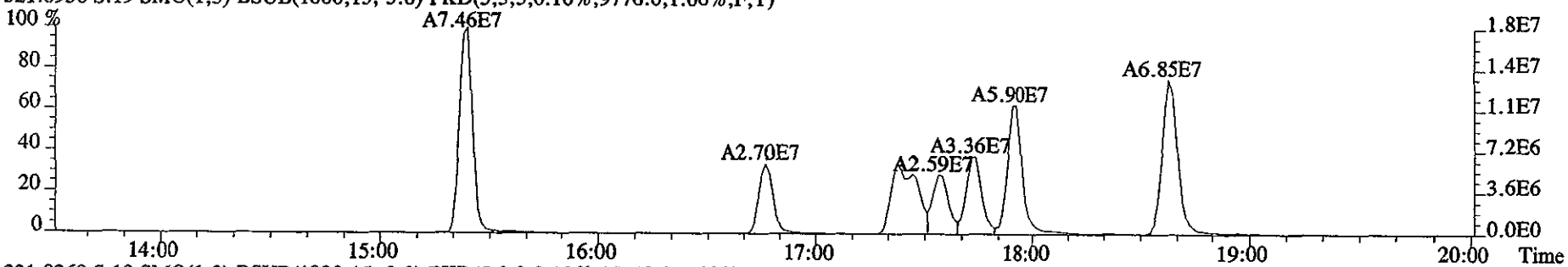
File:29AP101D5 #1-385 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES



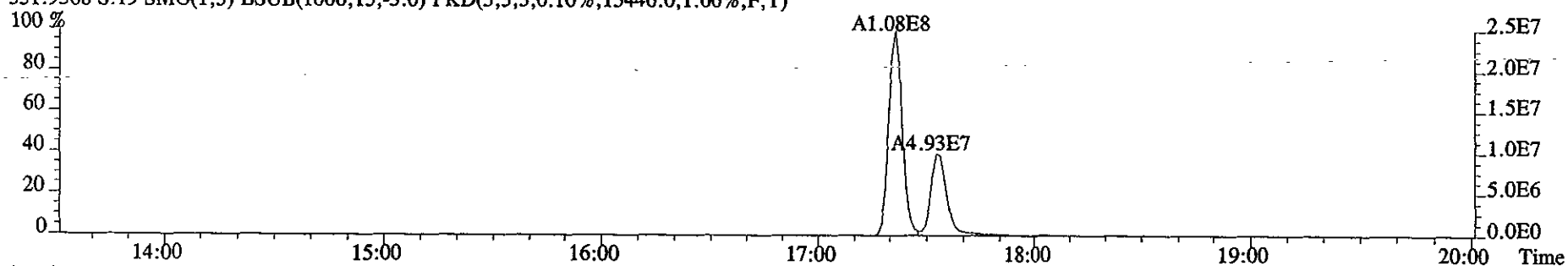
File:29AP101D5 #1-385 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7080.0,1.00%,F,T)



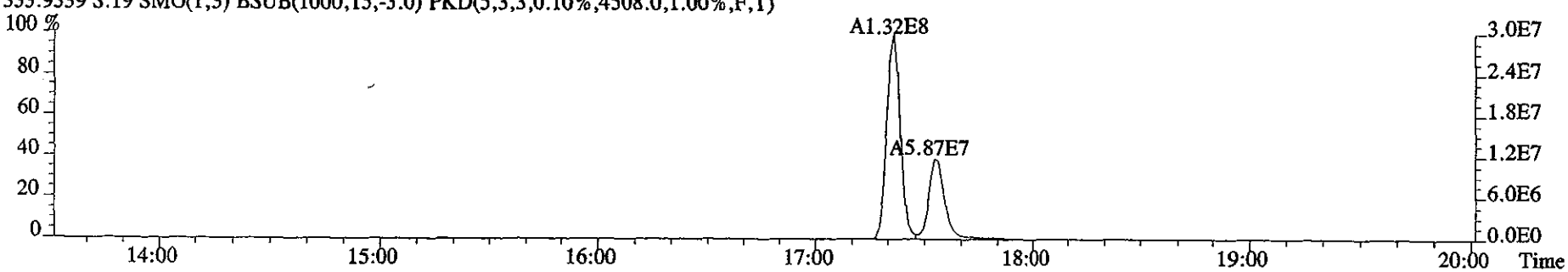
321.8936 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9776.0,1.00%,F,T)



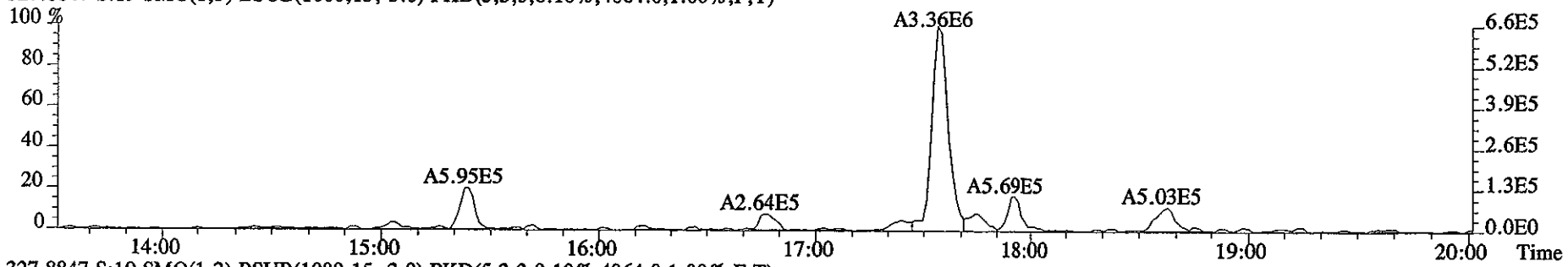
331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15440.0,1.00%,F,T)



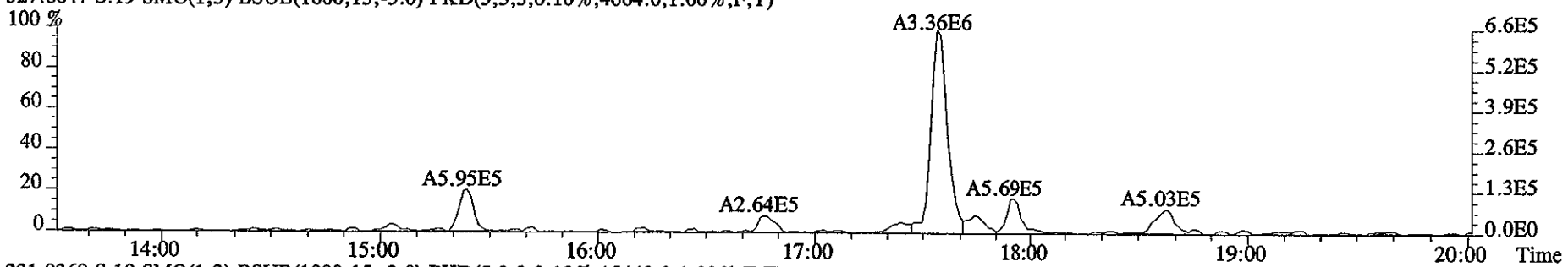
333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)



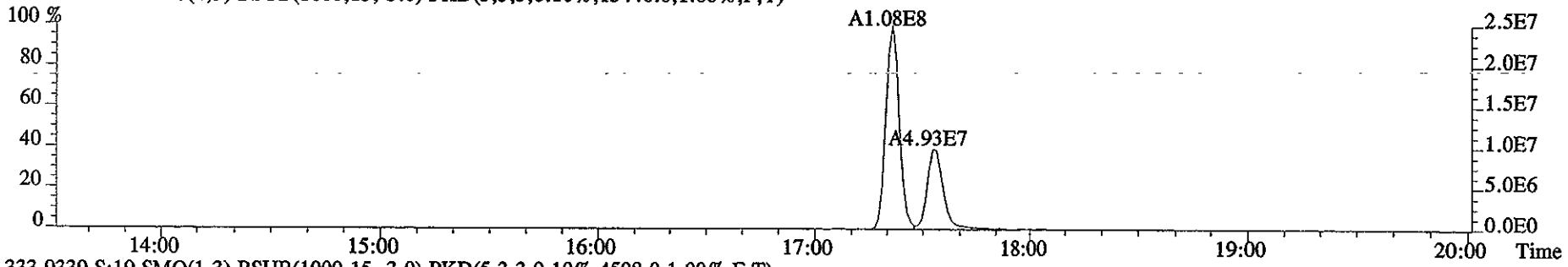
File:29AP101D5 #1-385 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4064.0,1.00%,F,T)



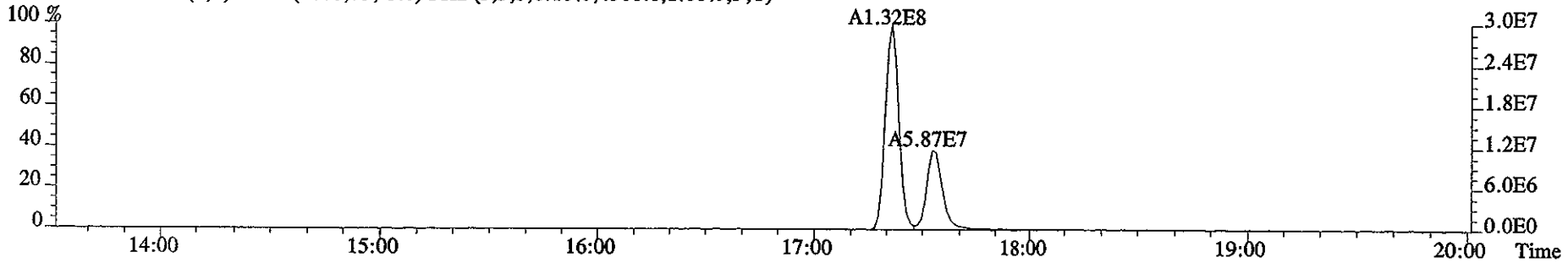
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4064.0,1.00%,F,T)



331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15440.0,1.00%,F,T)

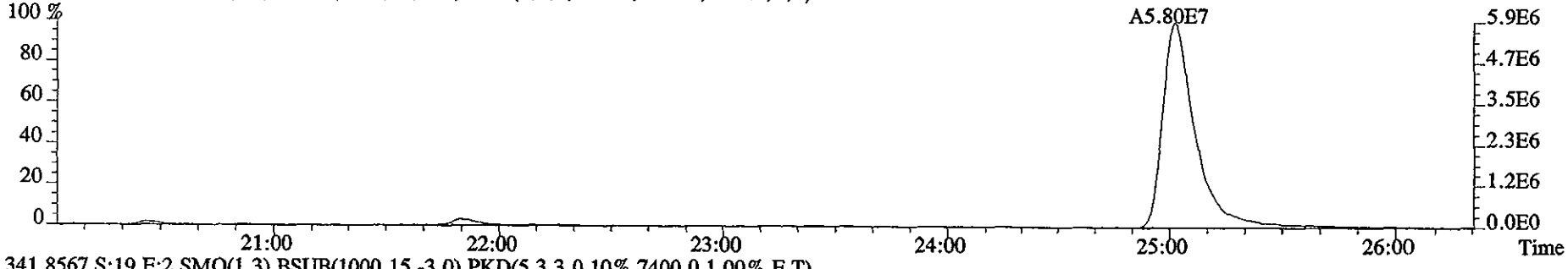


333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)

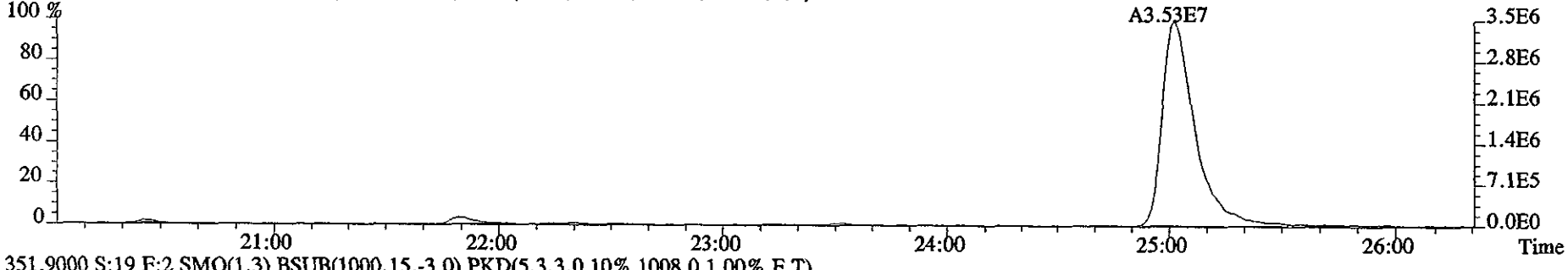


File:29AP101D5 #1-444 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES

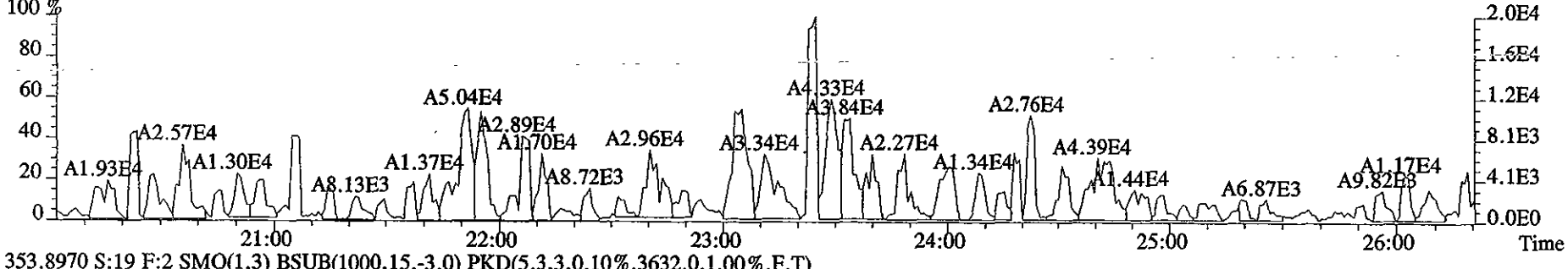
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8788.0,1.00%,F,T)



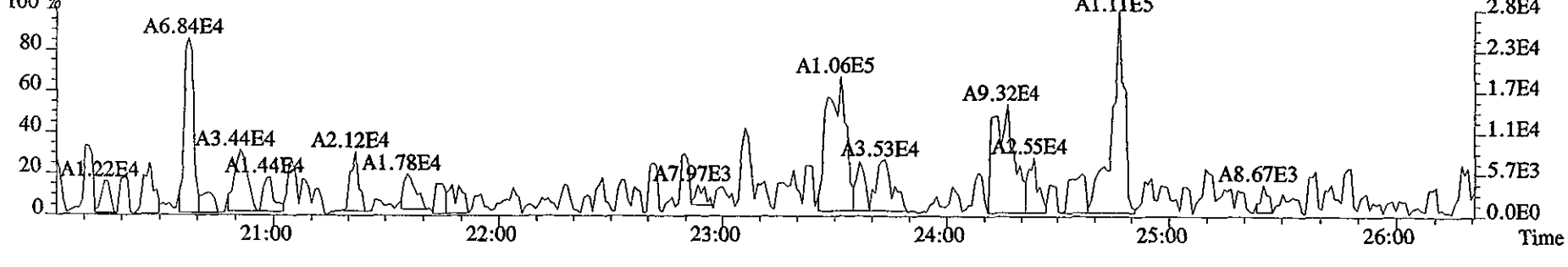
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7400.0,1.00%,F,T)

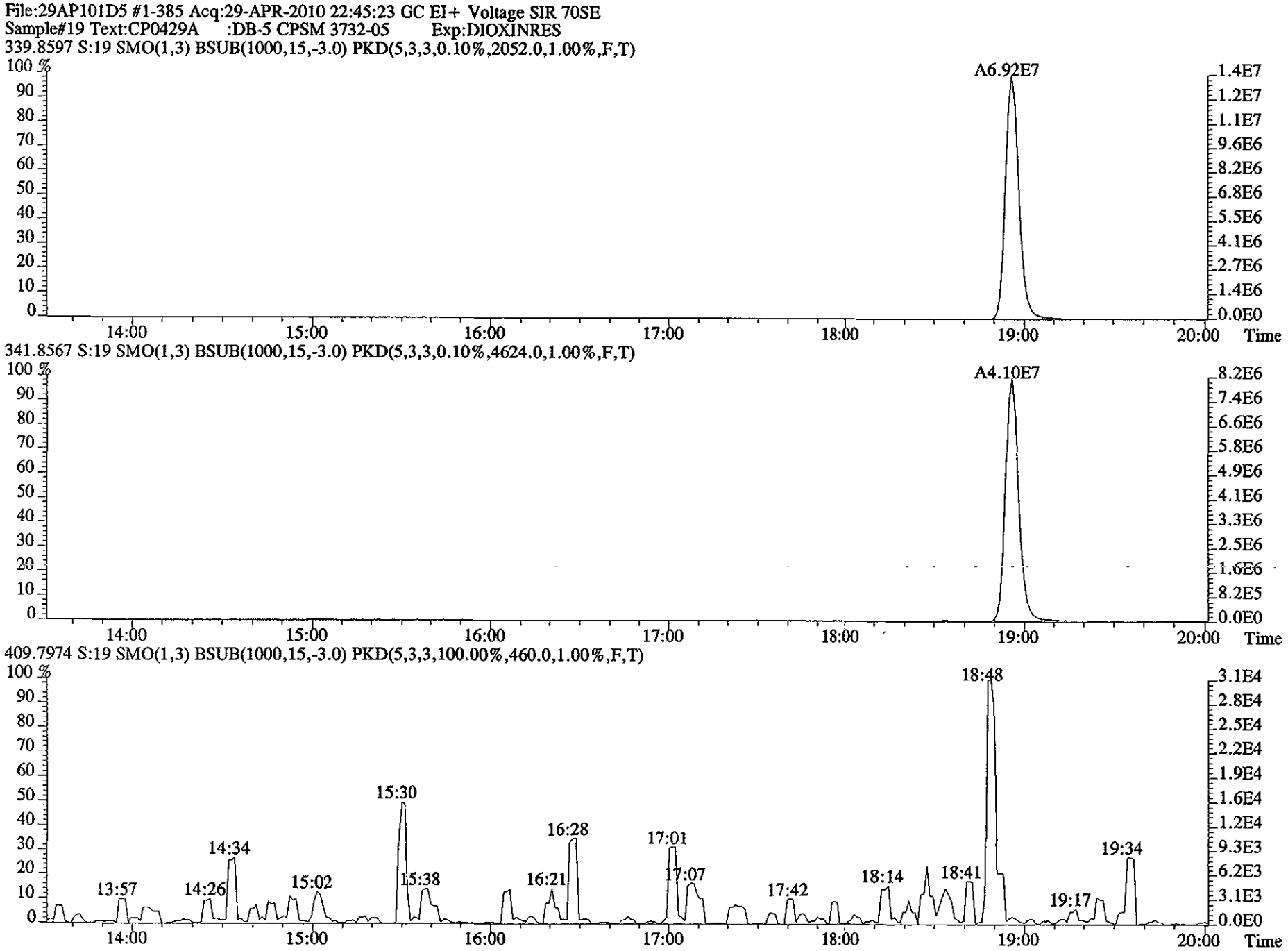


351.9000 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1008.0,1.00%,F,T)

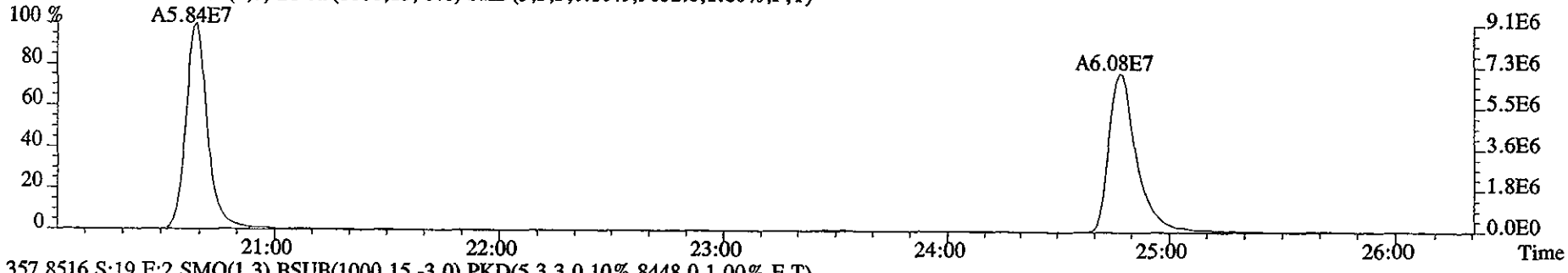


353.8970 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3632.0,1.00%,F,T)

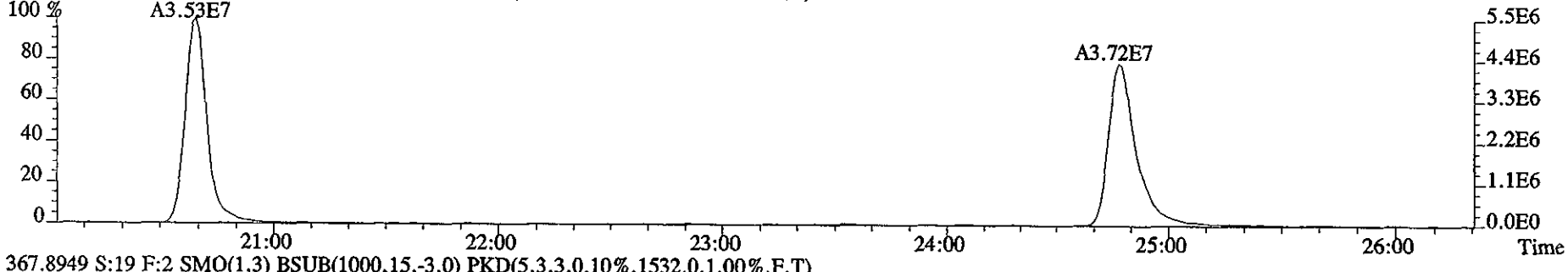




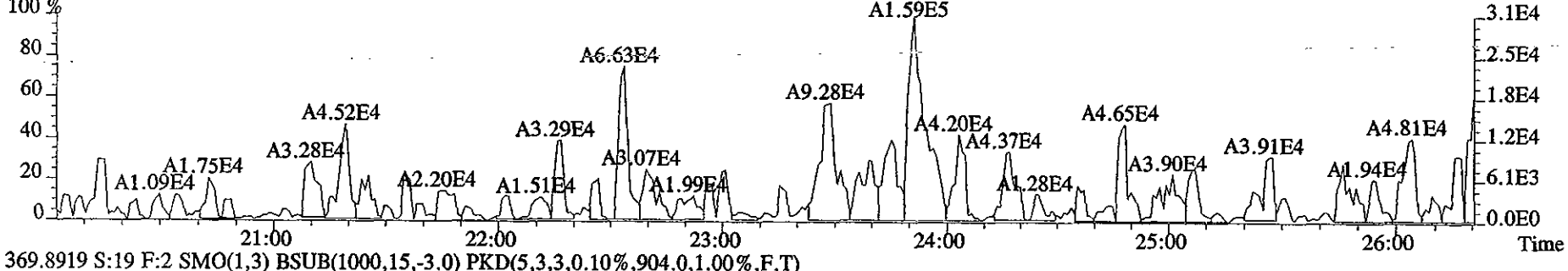
File:29AP101D5 #1-444 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
355.8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9032.0,1.00%,F,T)



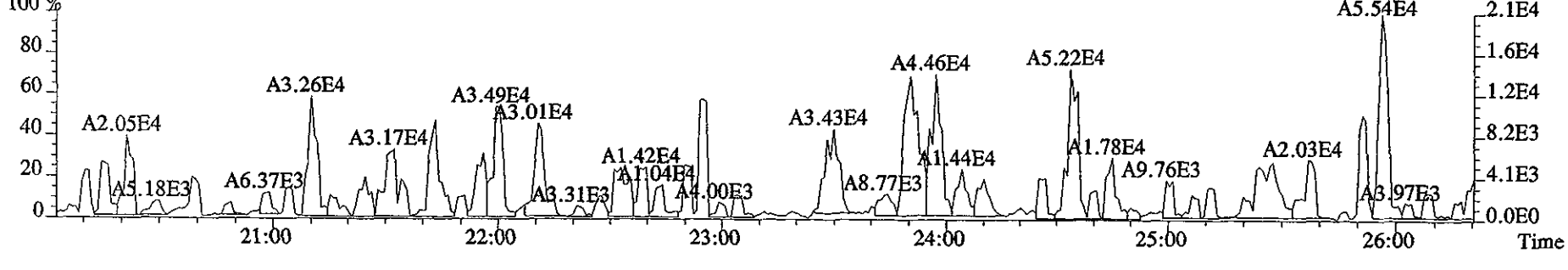
357.8516 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8448.0,1.00%,F,T)



367.8949 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1532.0,1.00%,F,T)

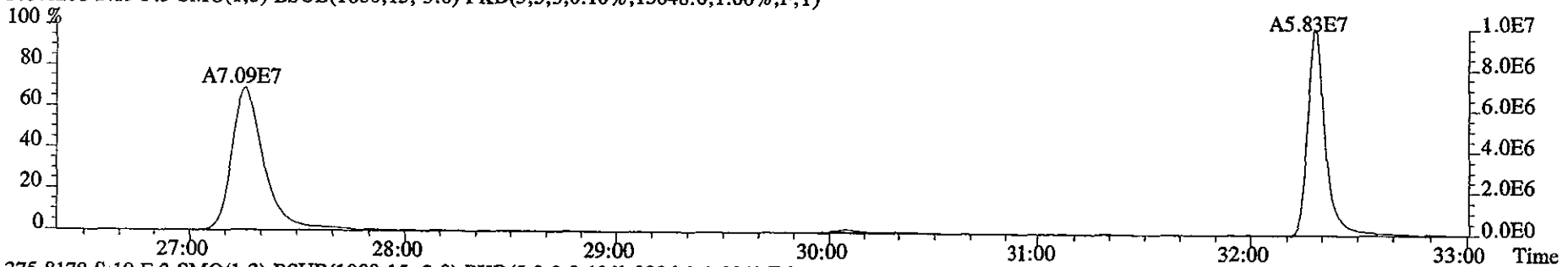


369.8919 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)

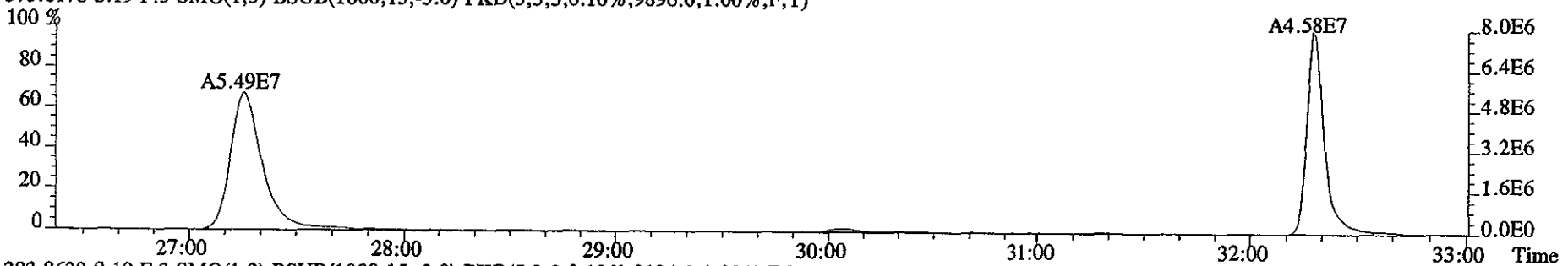


File:29AP101D5 #1-447 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES

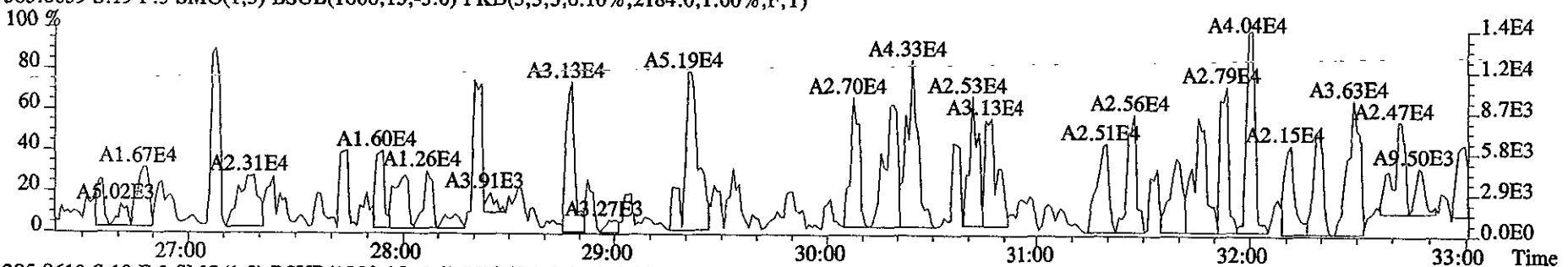
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15048.0,1.00%,F,T)



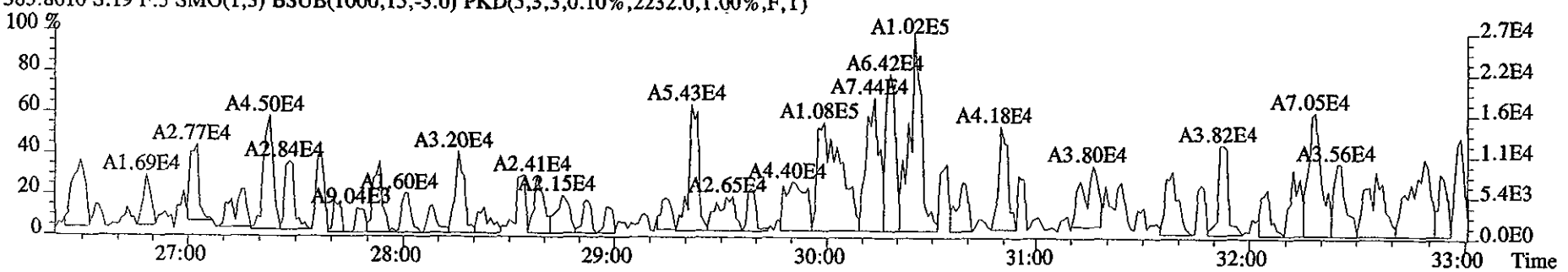
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9896.0,1.00%,F,T)



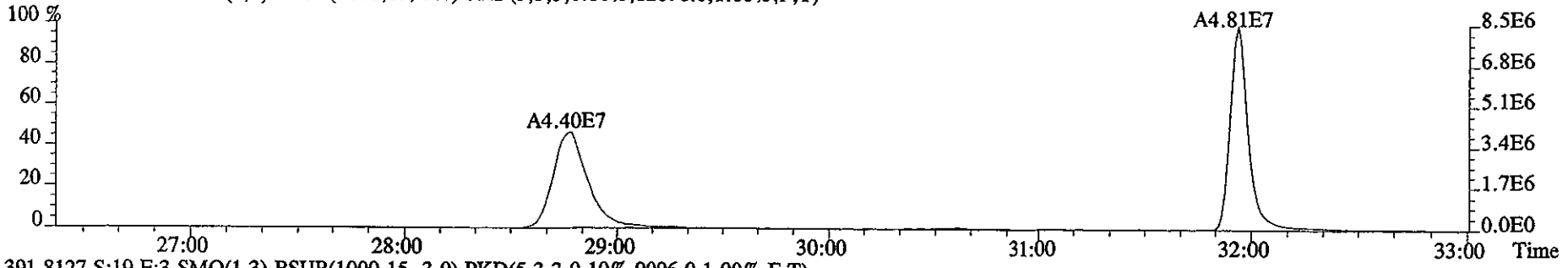
383.8639 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)



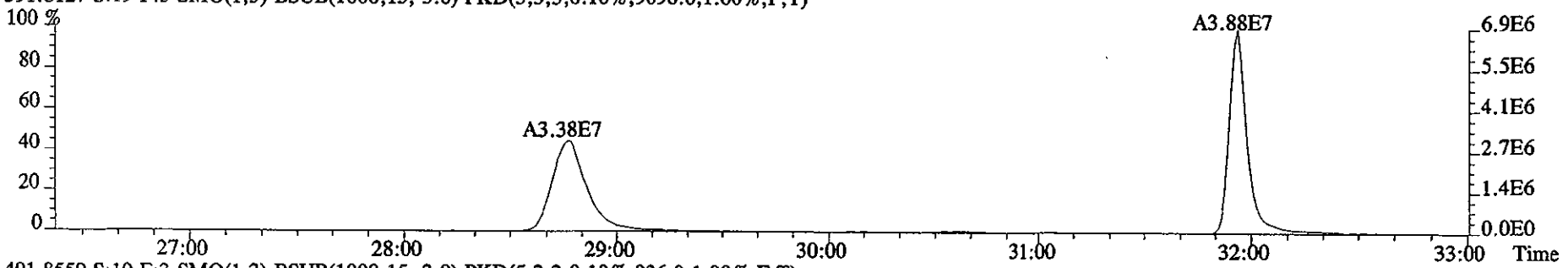
385.8610 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2232.0,1.00%,F,T)



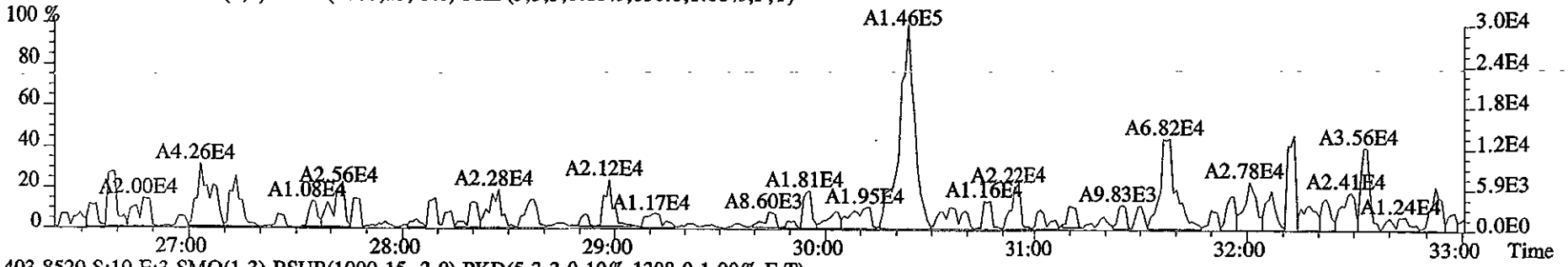
File:29AP101D5 #1-447 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
389.8157 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12876.0,1.00%,F,T)



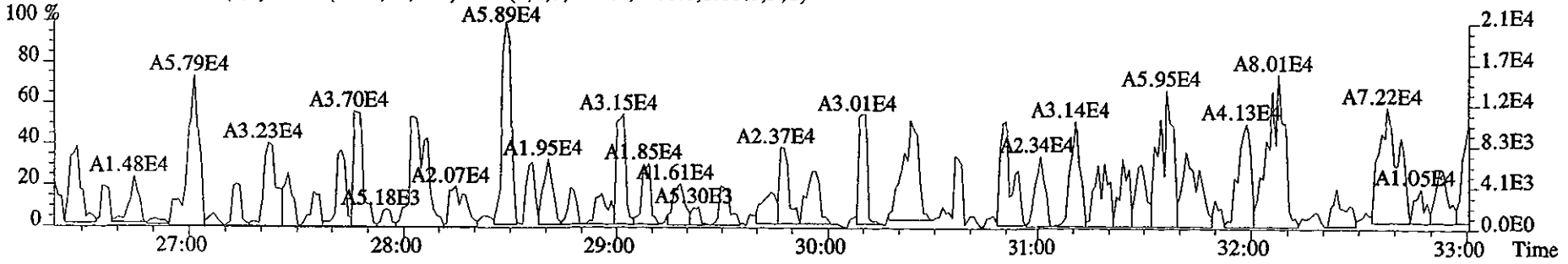
391.8127 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9096.0,1.00%,F,T)



401.8559 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,836.0,1.00%,F,T)

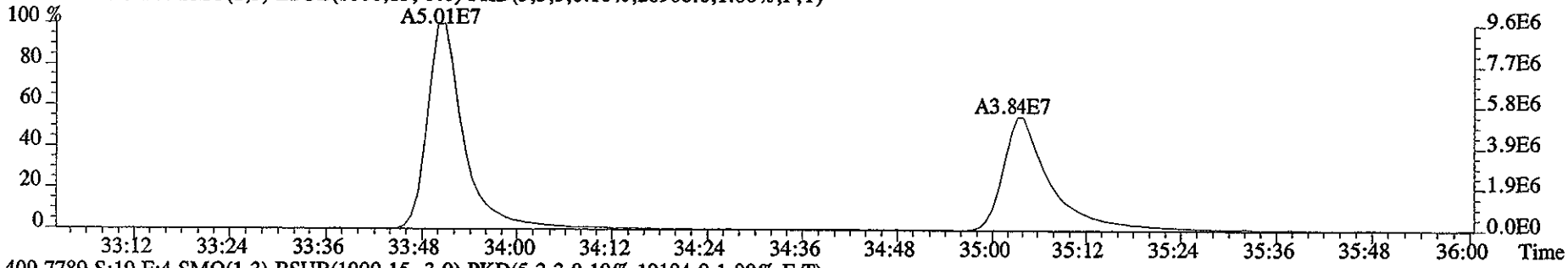


403.8529 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308.0,1.00%,F,T)

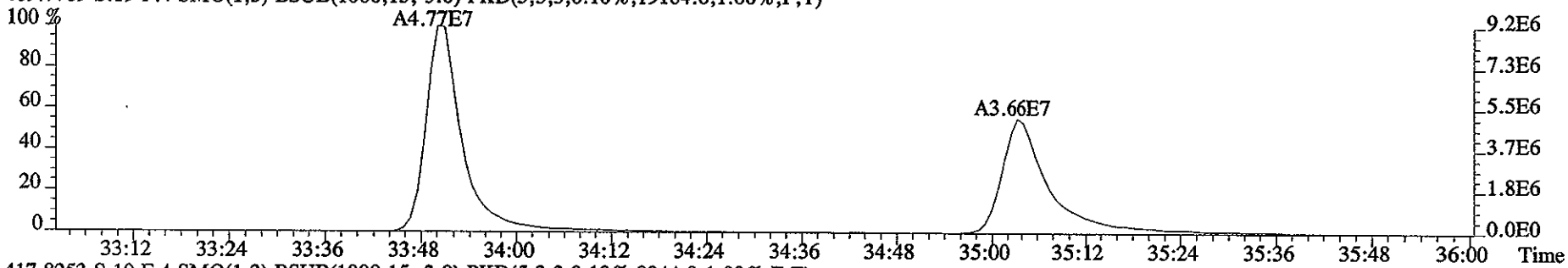


File:29AP101D5 #1-210 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES

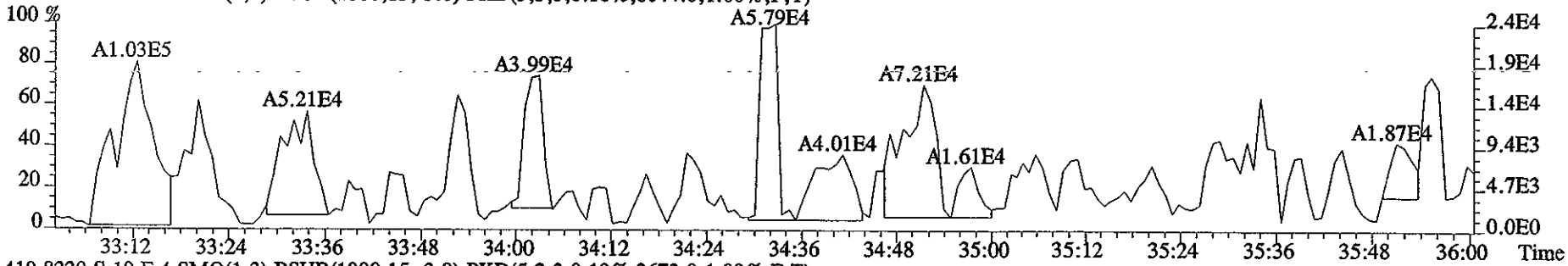
407.7818 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28908.0,1.00%,F,T)



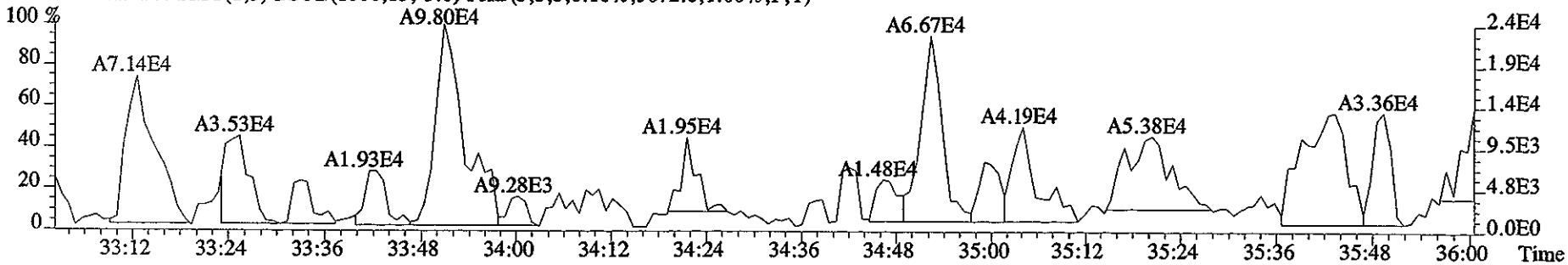
409.7789 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19184.0,1.00%,F,T)



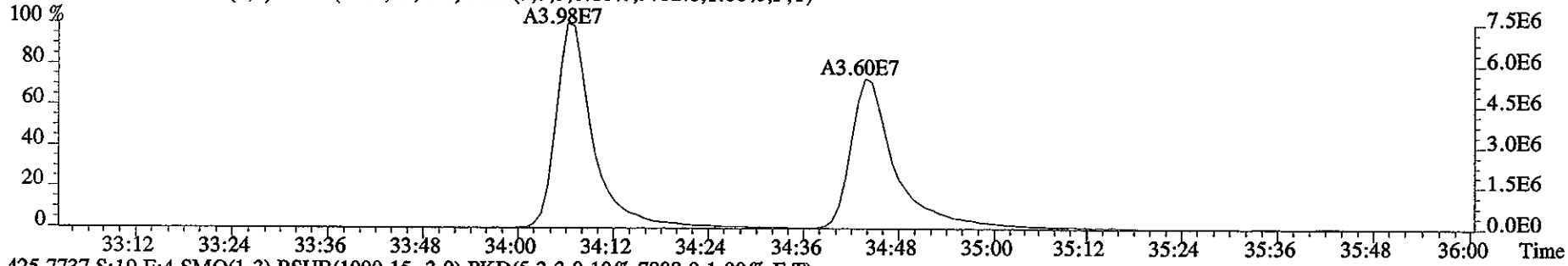
417.8253 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8044.0,1.00%,F,T)



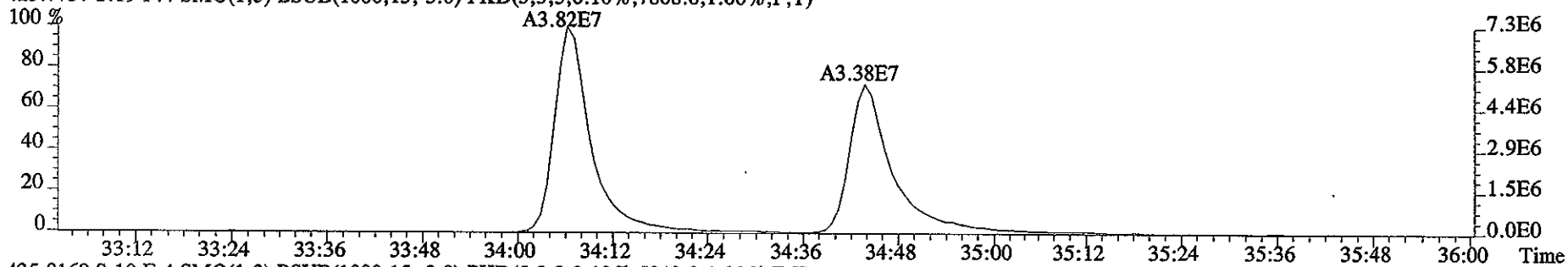
419.8220 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3672.0,1.00%,F,T)



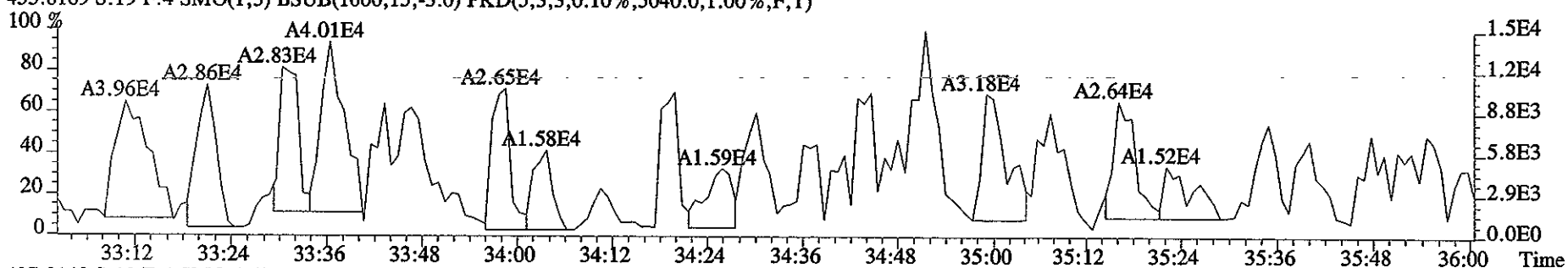
File:29AP101D5 #1-210 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
423.7766 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9752.0,1.00%,F,T)



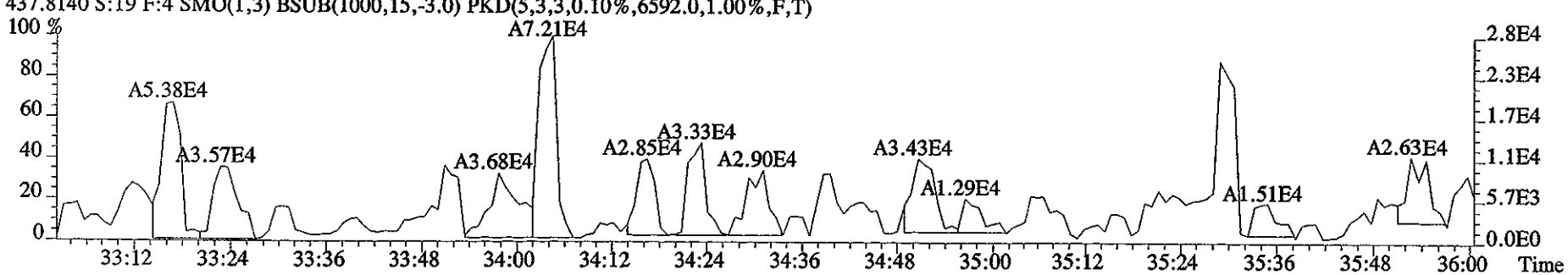
425.7737 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7808.0,1.00%,F,T)



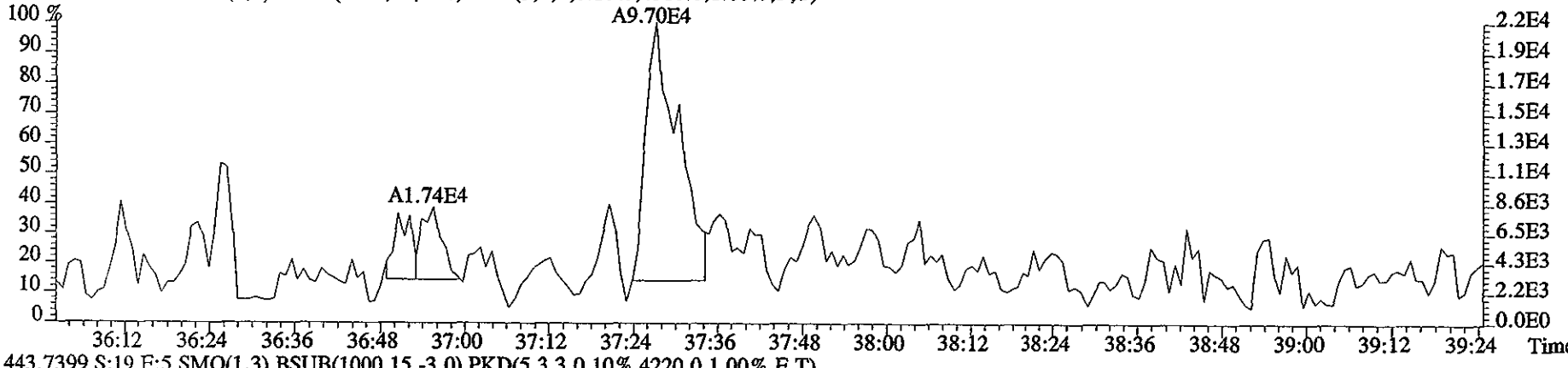
435.8169 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5040.0,1.00%,F,T)



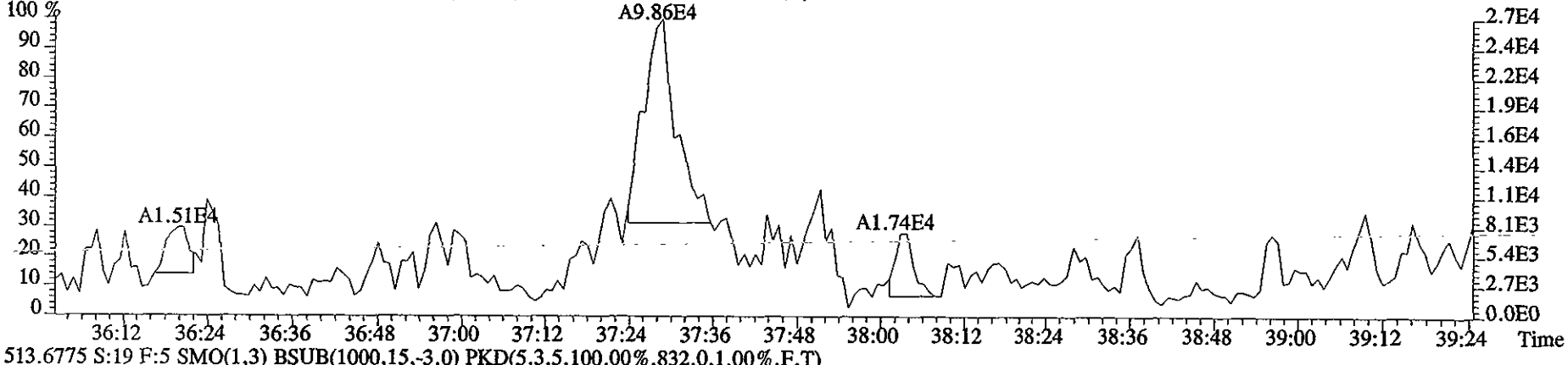
437.8140 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6592.0,1.00%,F,T)



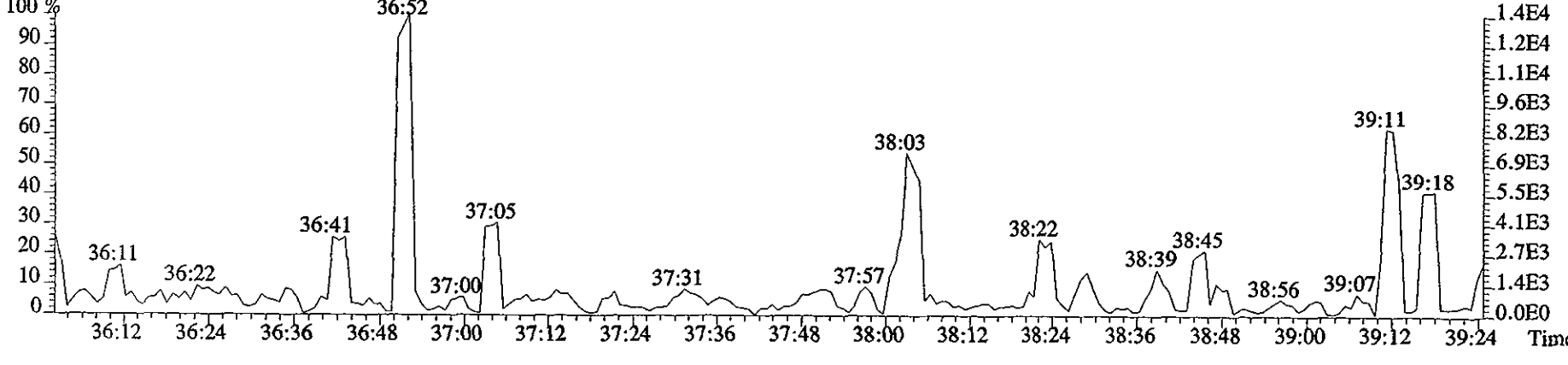
File:29AP101D5 #1-244 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4516.0,1.00%,F,T)



443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4220.0,1.00%,F,T)

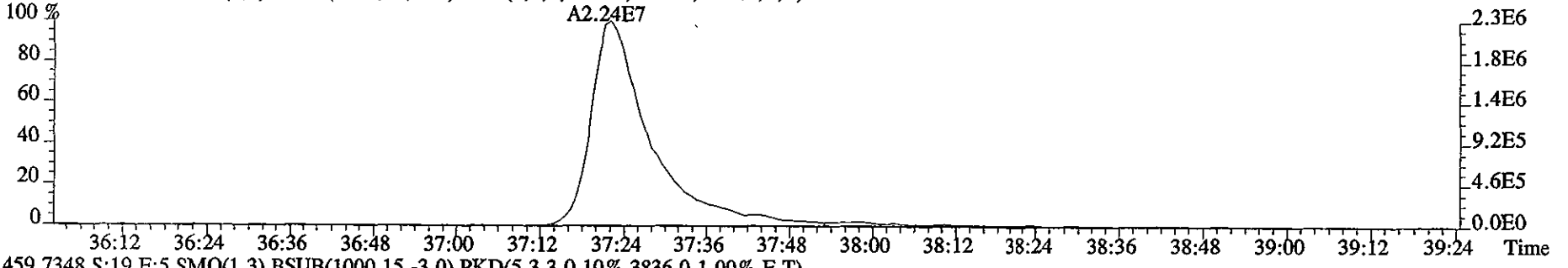


513.6775 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,832.0,1.00%,F,T)

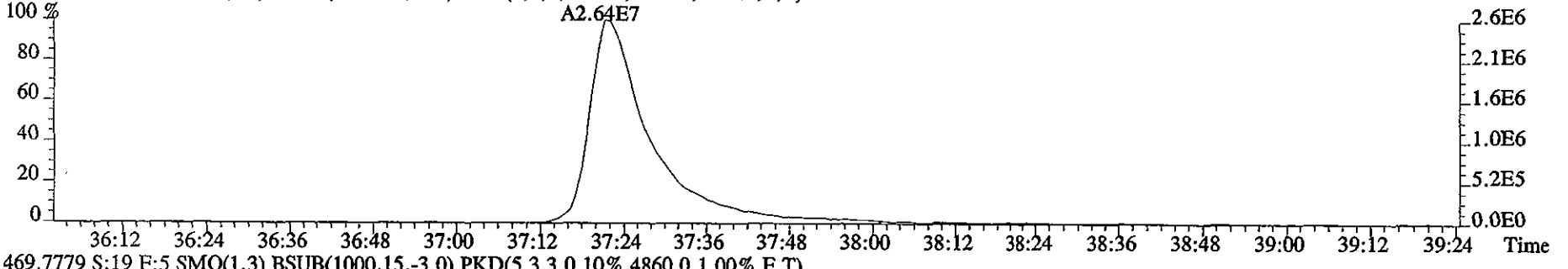


File:29AP101D5 #1-244 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES

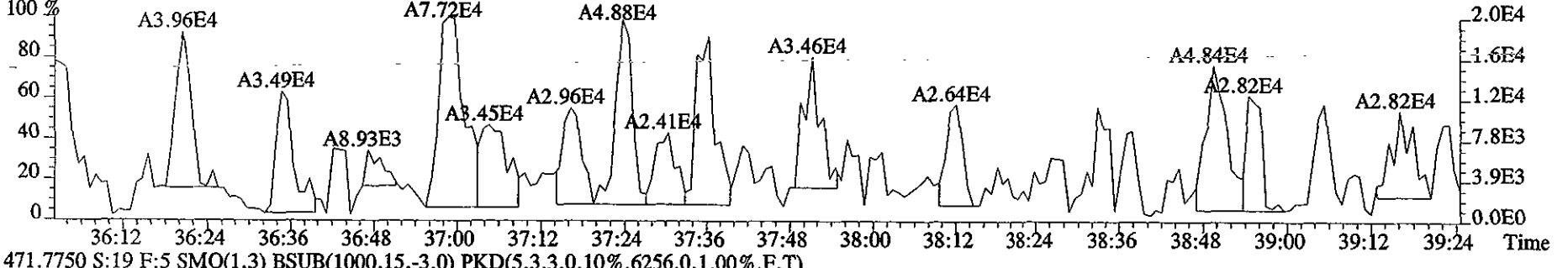
457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4804.0,1.00%,F,T)



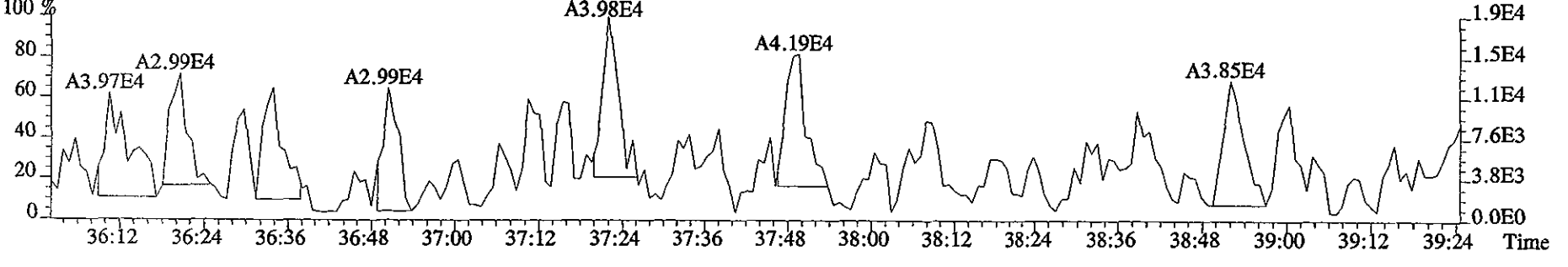
459.7348 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3836.0,1.00%,F,T)



469.7779 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4860.0,1.00%,F,T)

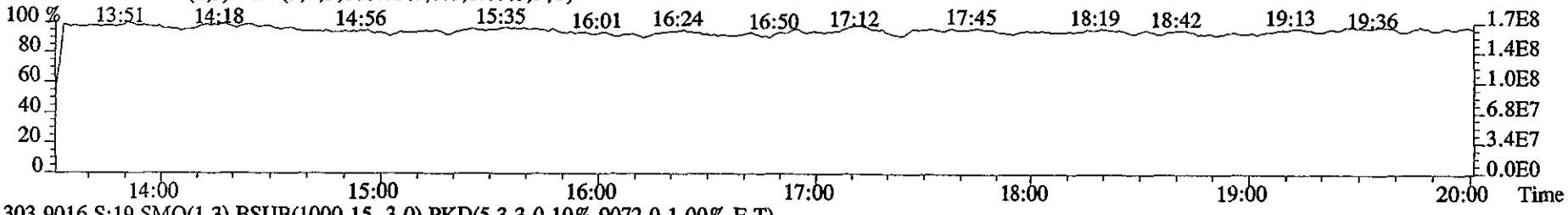


471.7750 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)

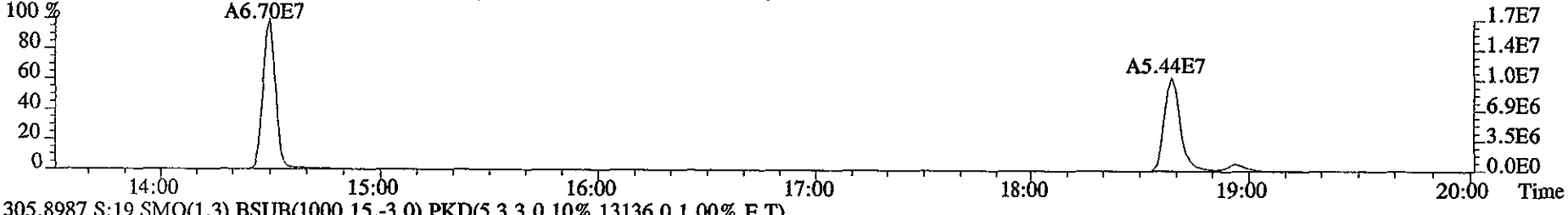


File:29AP101D5 #1-385 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES

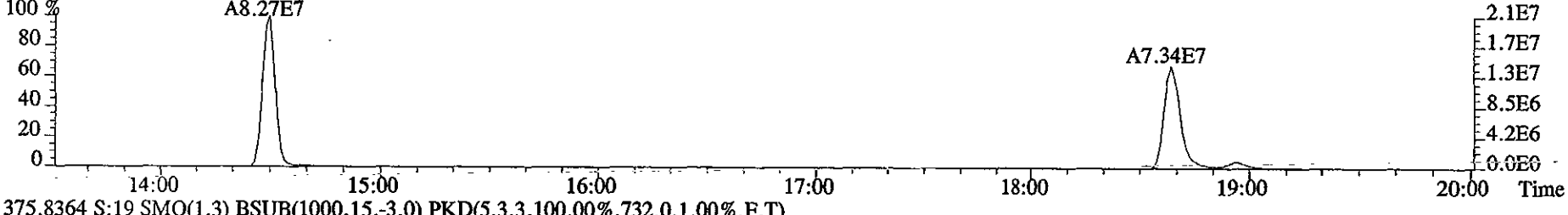
292.9825 S:19 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



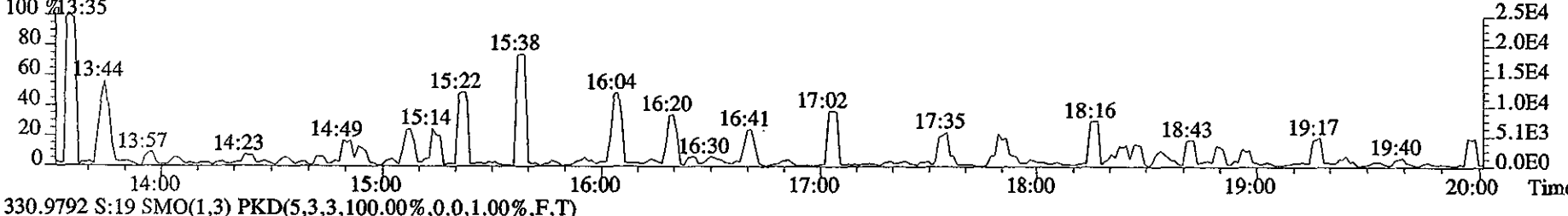
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9072.0,1.00%,F,T)



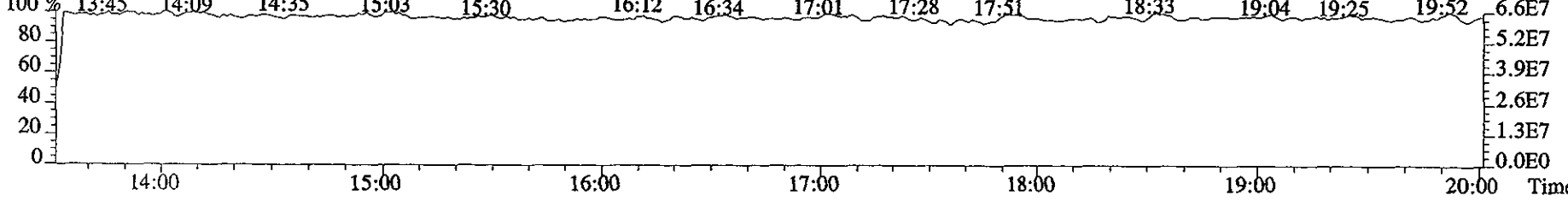
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13136.0,1.00%,F,T)



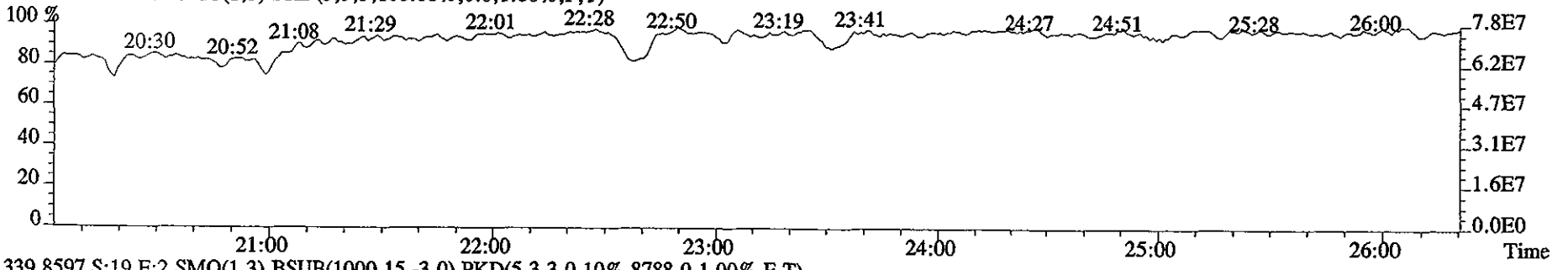
375.8364 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,732.0,1.00%,F,T)



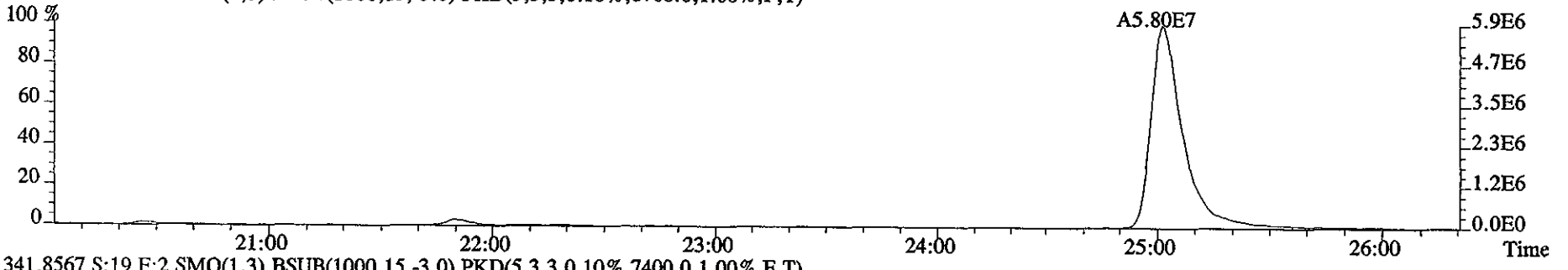
330.9792 S:19 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



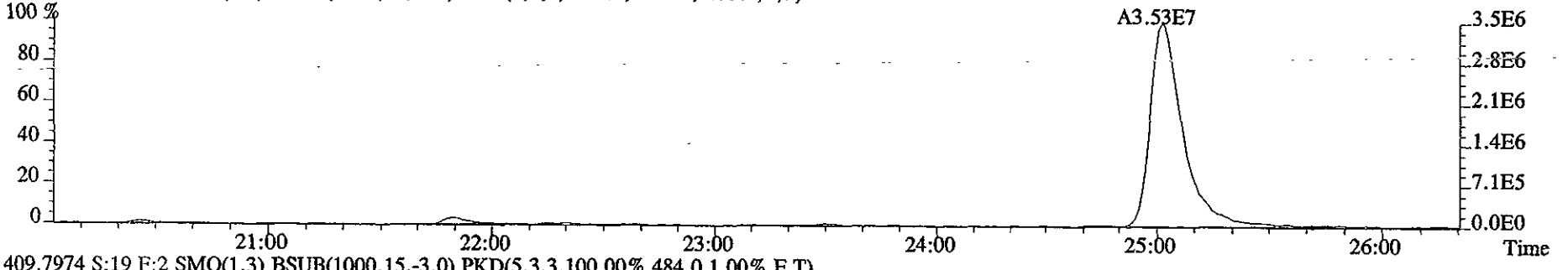
File:29AP101D5 #1-444 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
342.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



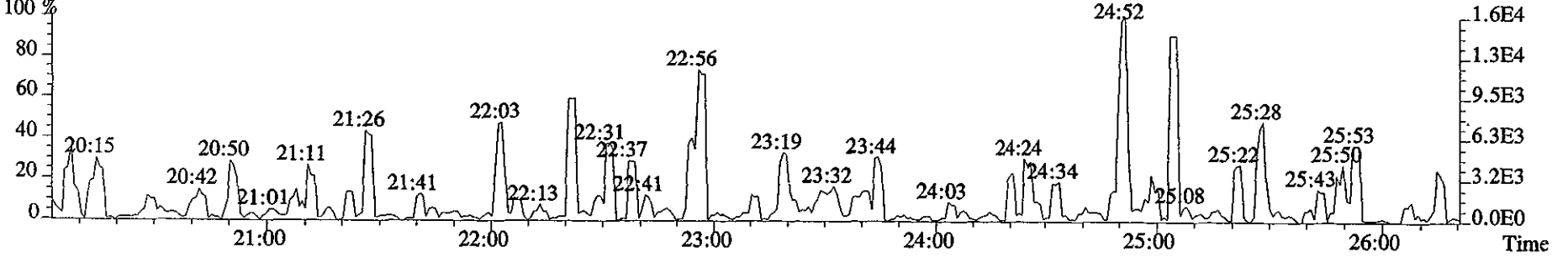
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8788.0,1.00%,F,T)



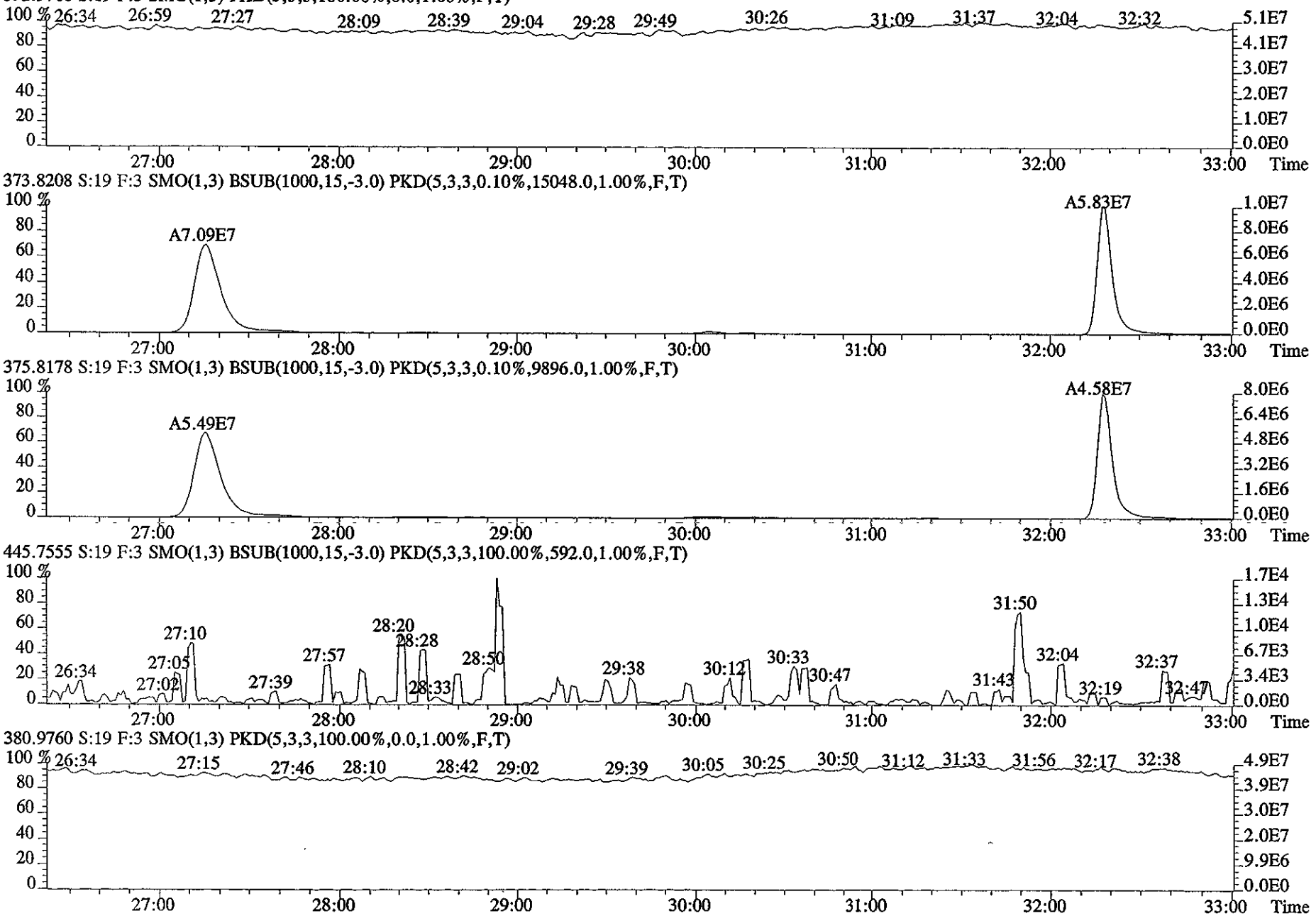
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7400.0,1.00%,F,T)



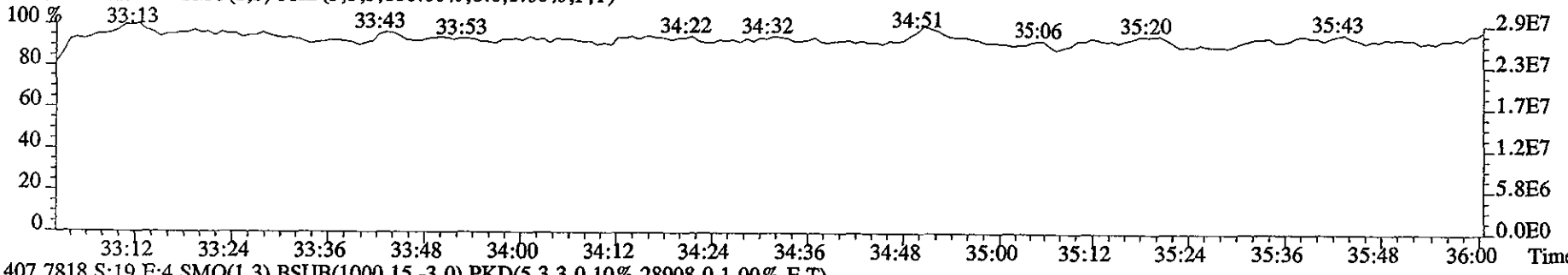
409.7974 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,484.0,1.00%,F,T)

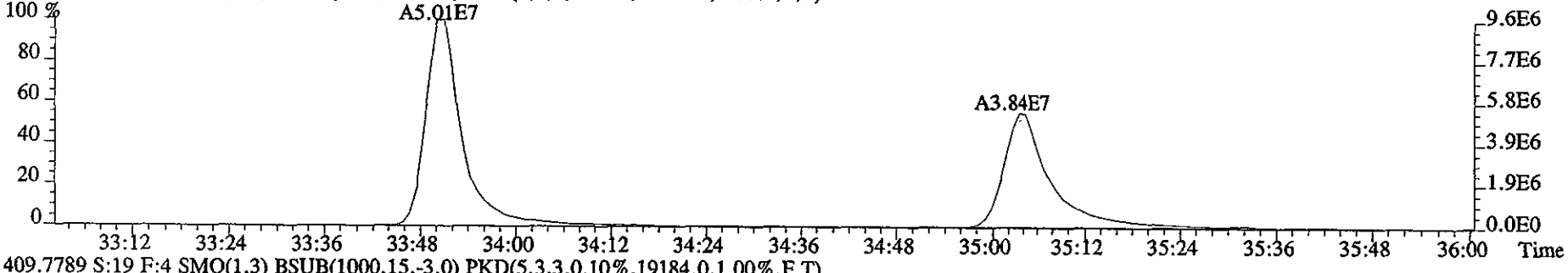


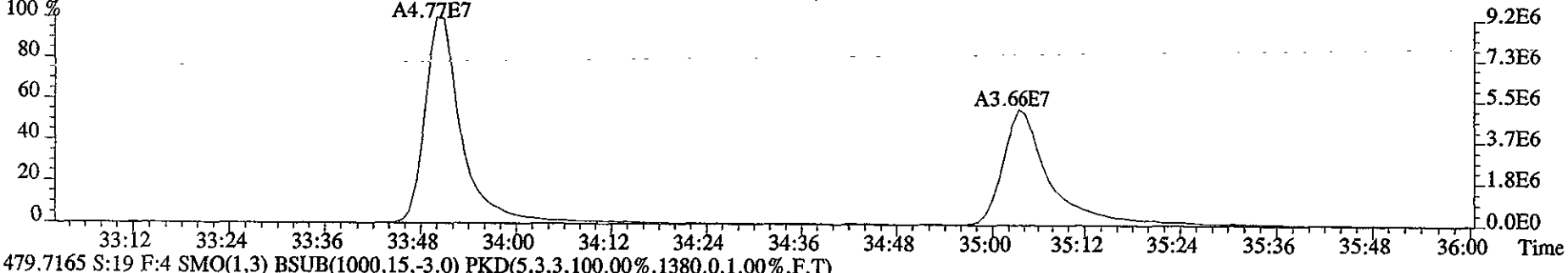
File:29AP101D5 #1-447 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES

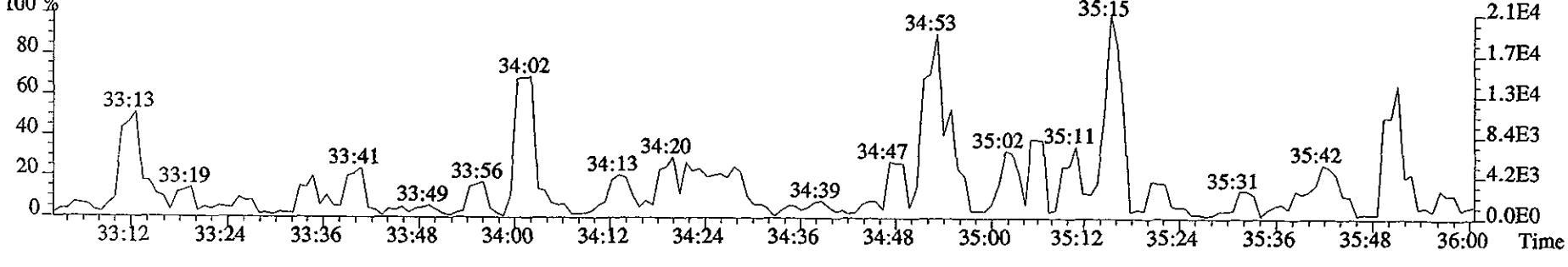


File:29AP101D5 #1-210 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES

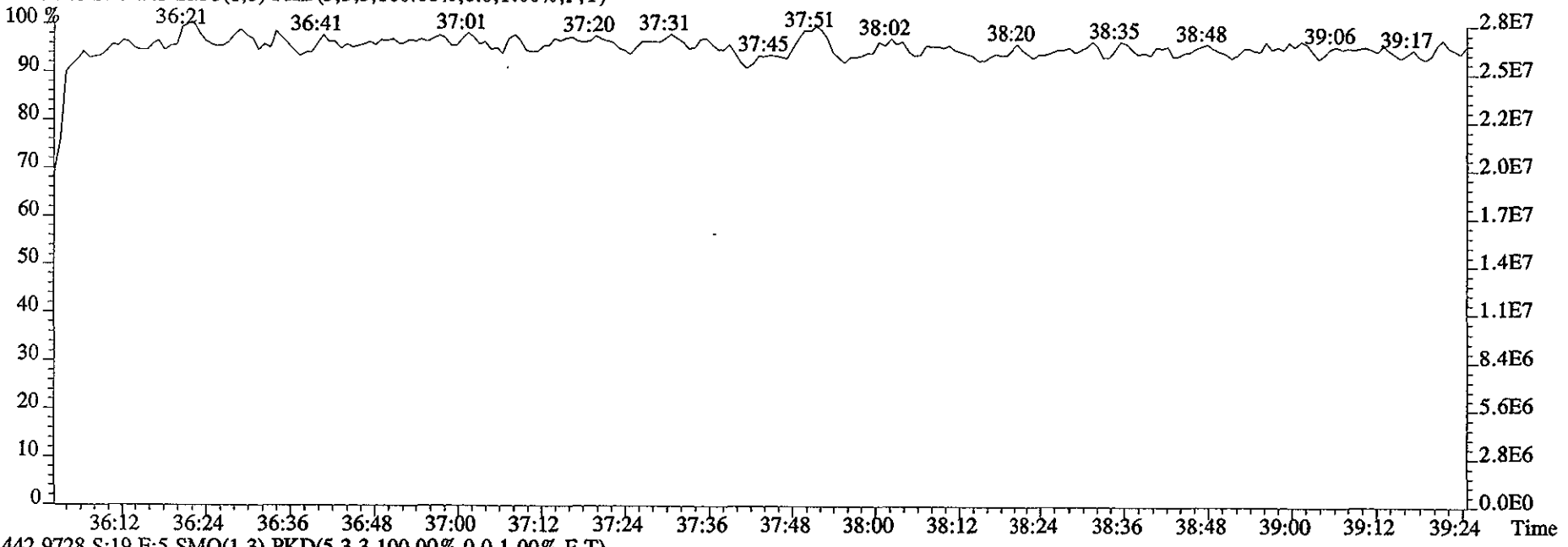




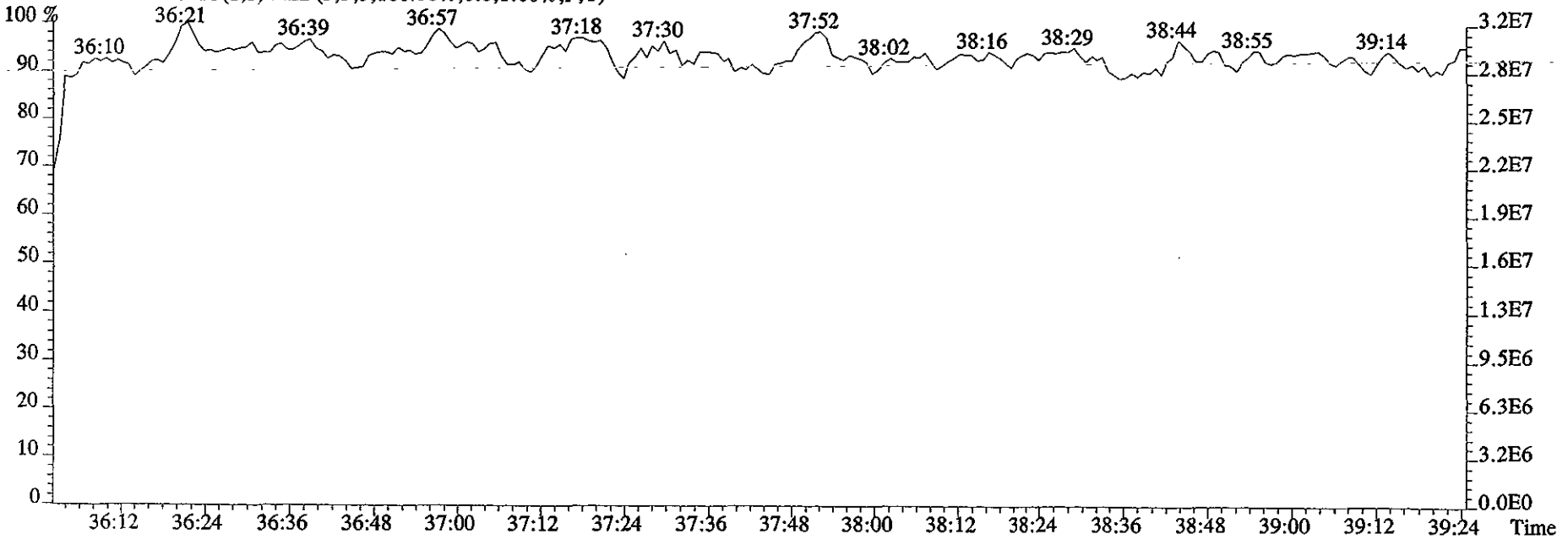




File:29AP101D5 #1-244 Acq:29-APR-2010 22:45:23 GC EI+ Voltage SIR 70SE
Sample#19 Text:CP0429A :DB-5 CPSM 3732-05 Exp:DIOXINRES
454.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

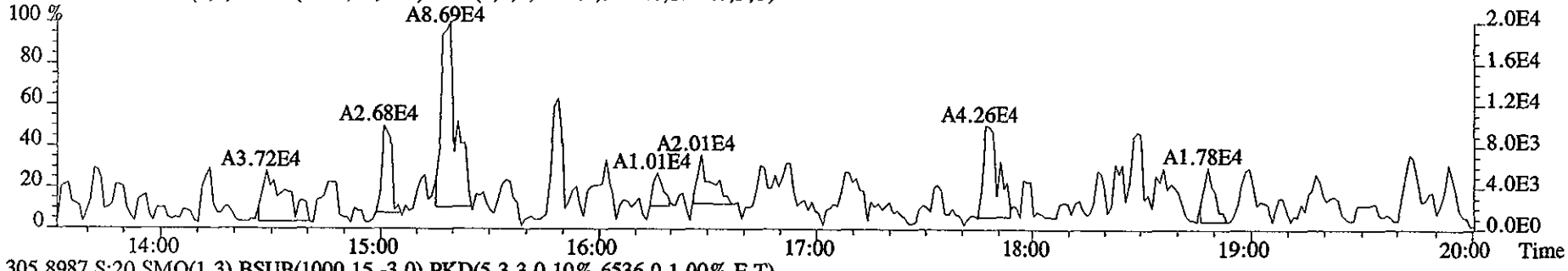


442.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

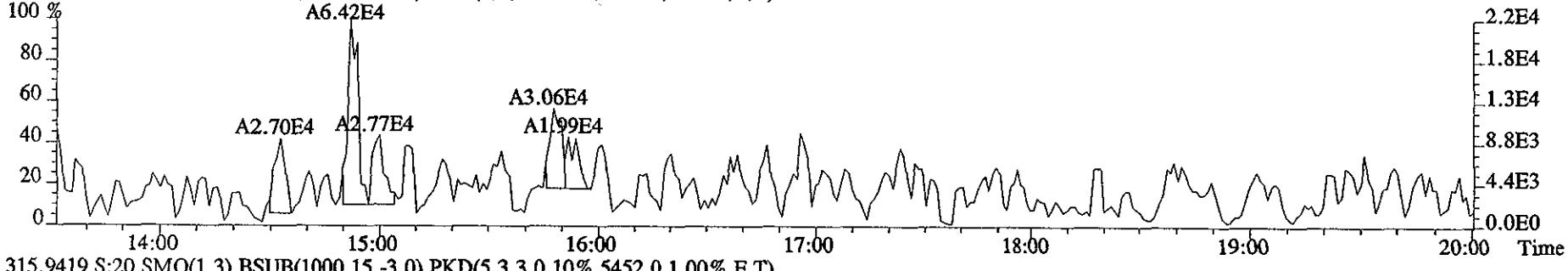


File:29AP101D5 #1-384 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES

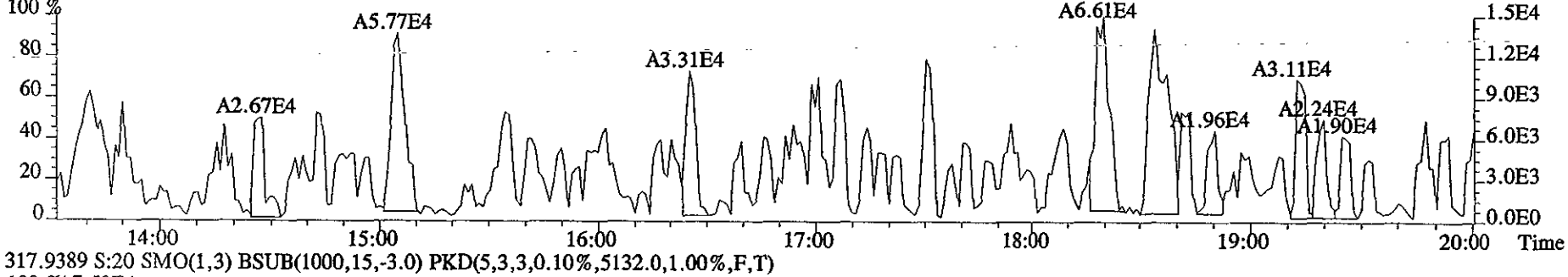
303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3872.0,1.00%,F,T)



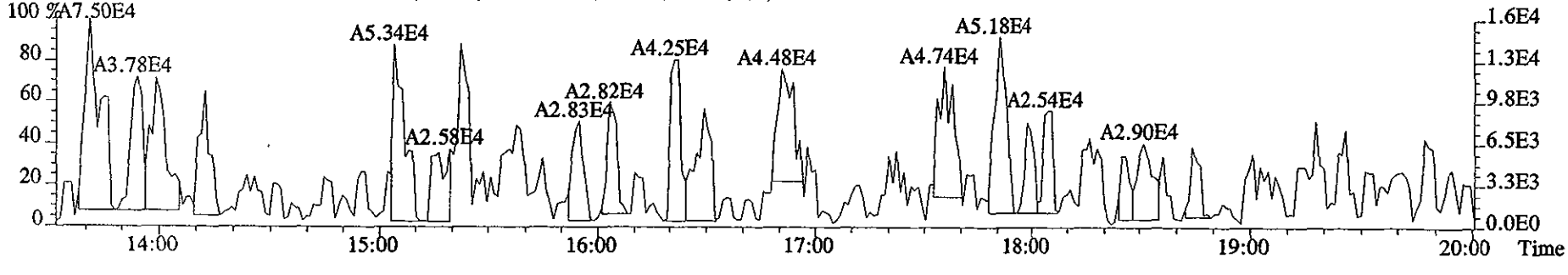
305.8987 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6536.0,1.00%,F,T)



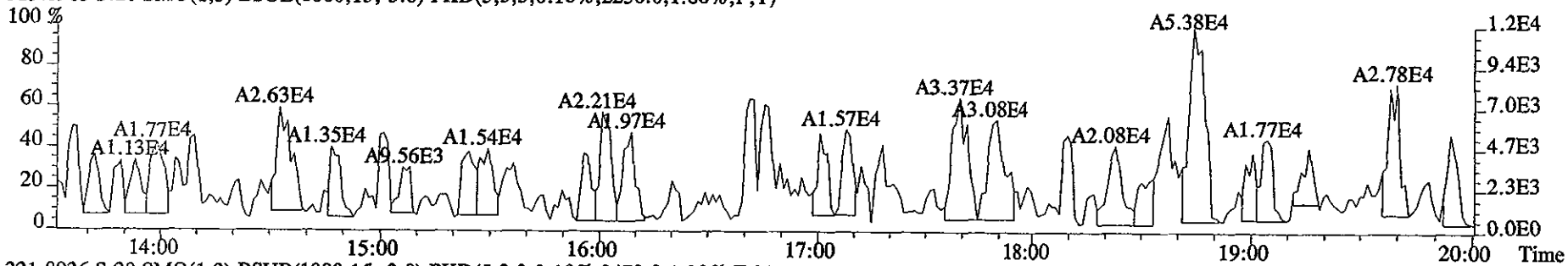
315.9419 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5452.0,1.00%,F,T)



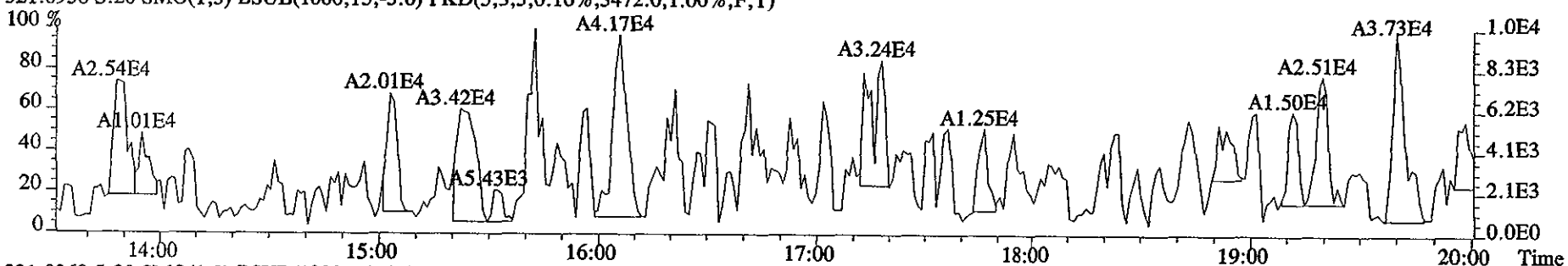
317.9389 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)



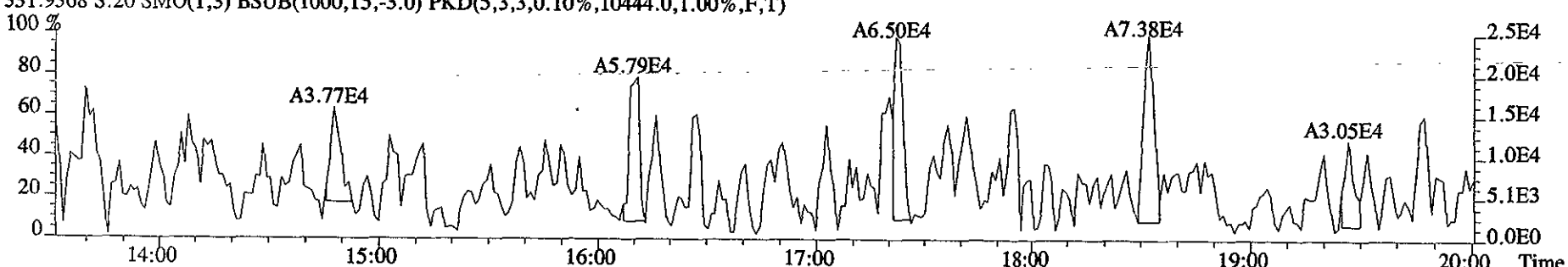
File:29AP101D5 #1-384 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
319.8965 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2236.0,1.00%,F,T)



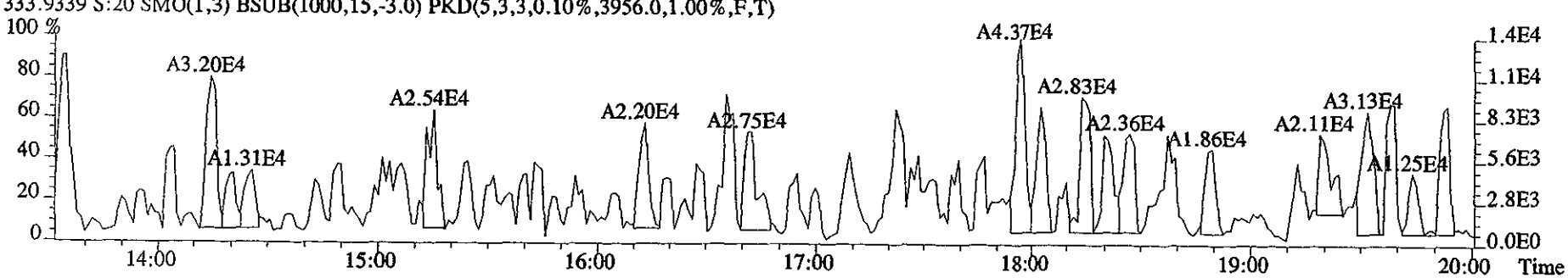
321.8936 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3472.0,1.00%,F,T)



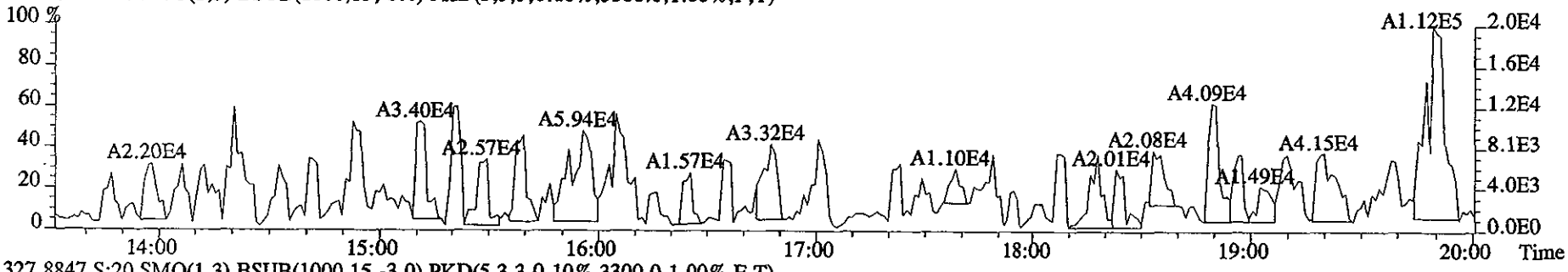
331.9368 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10444.0,1.00%,F,T)



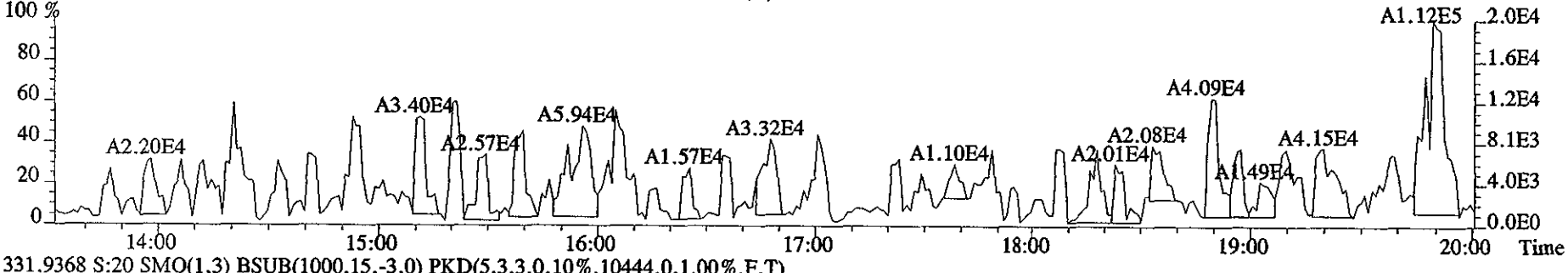
333.9339 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3956.0,1.00%,F,T)



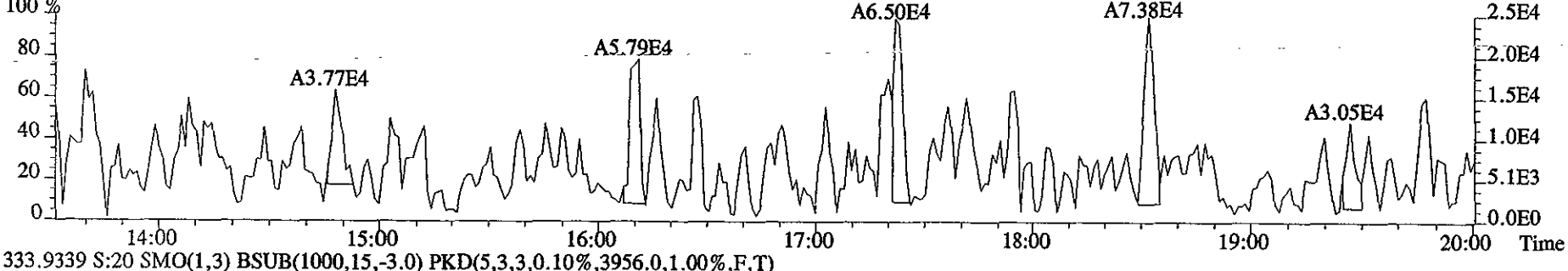
File:29AP101D5 #1-384 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
327.8847 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)



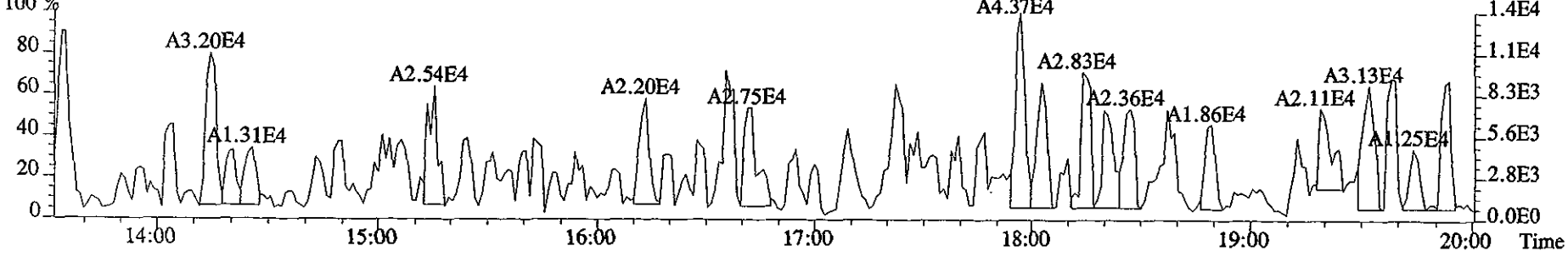
327.8847 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)



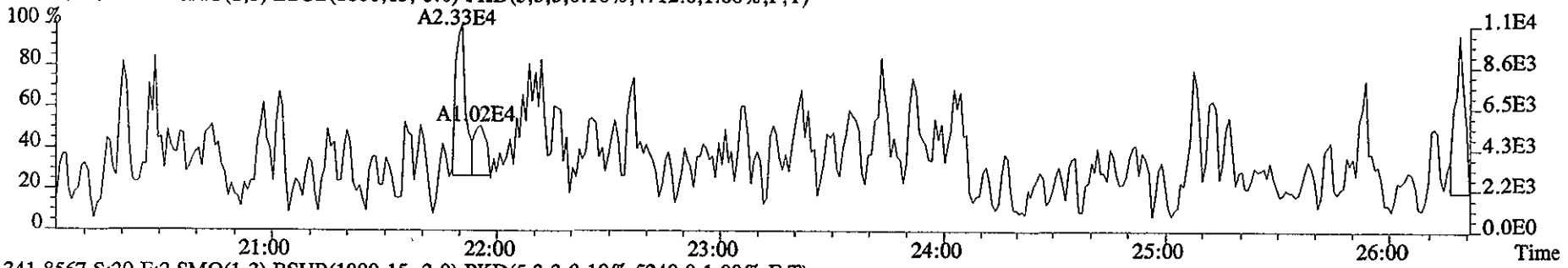
331.9368 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10444.0,1.00%,F,T)



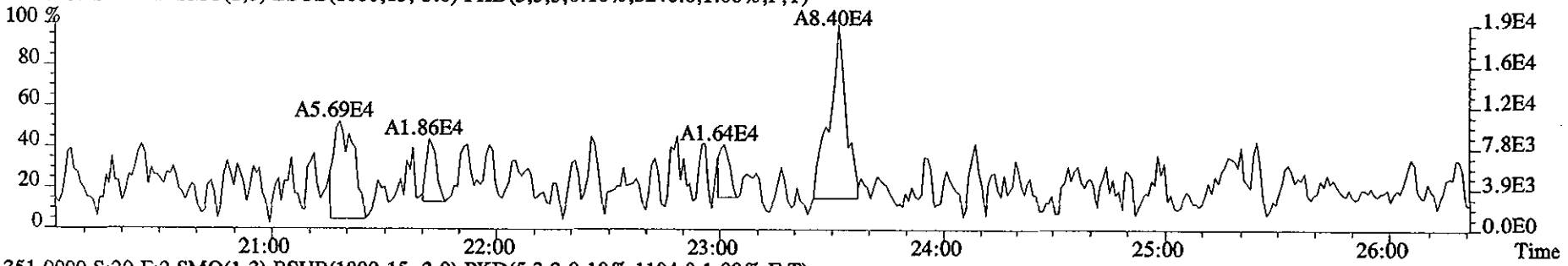
333.9339 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3956.0,1.00%,F,T)



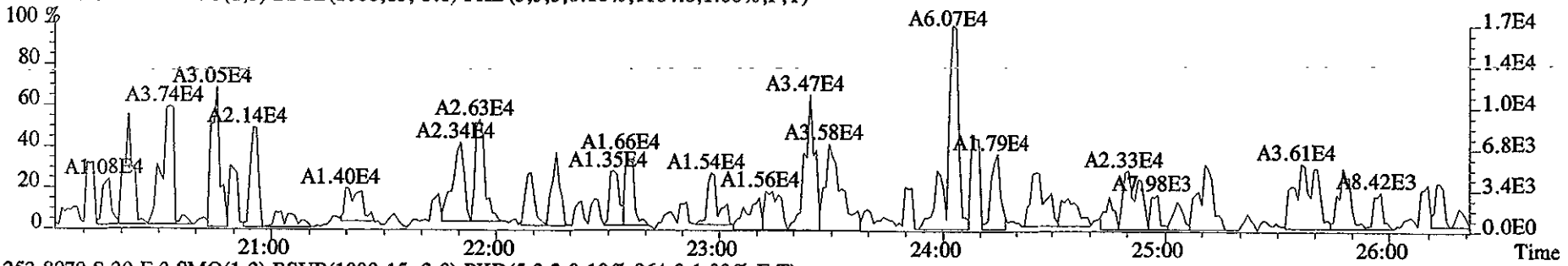
File:29AP101D5 #1-445 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4712.0,1.00%,F,T)



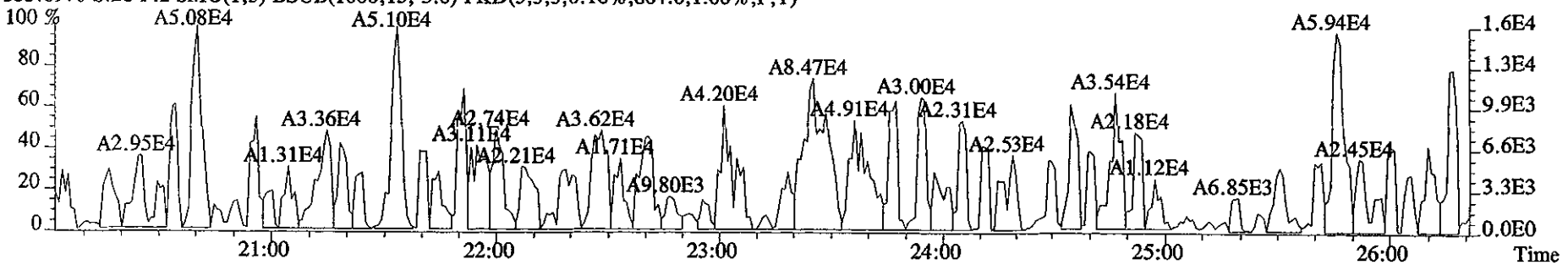
341.8567 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5240.0,1.00%,F,T)



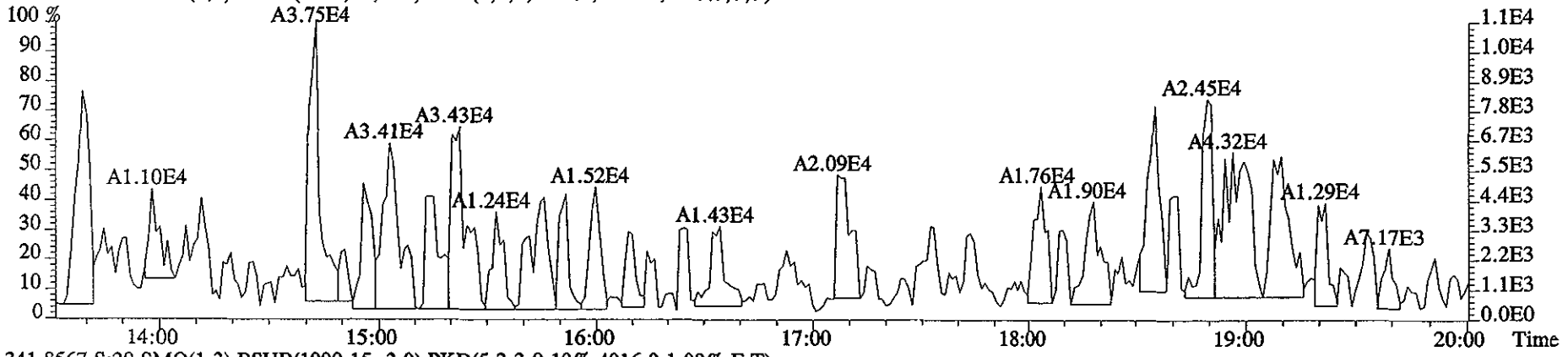
351.9000 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



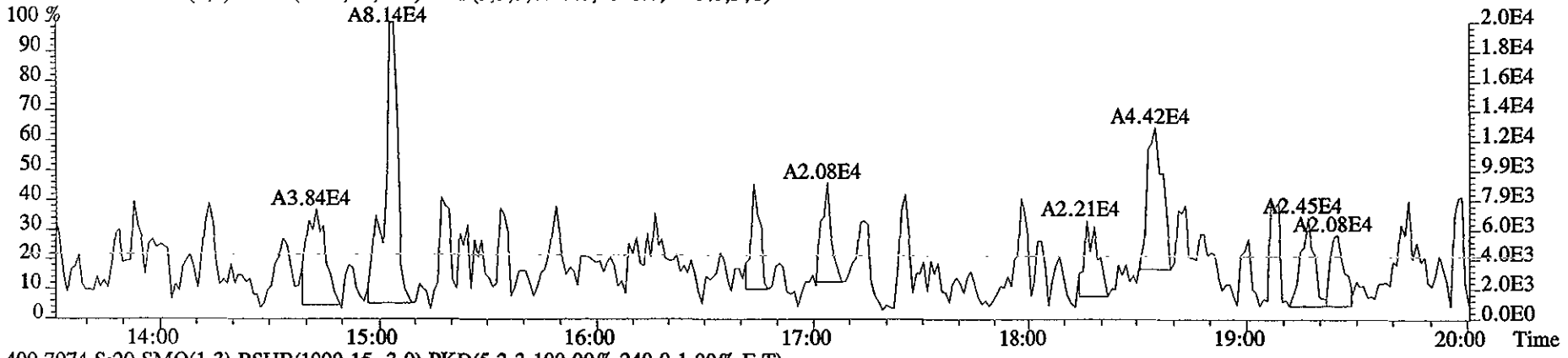
353.8970 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



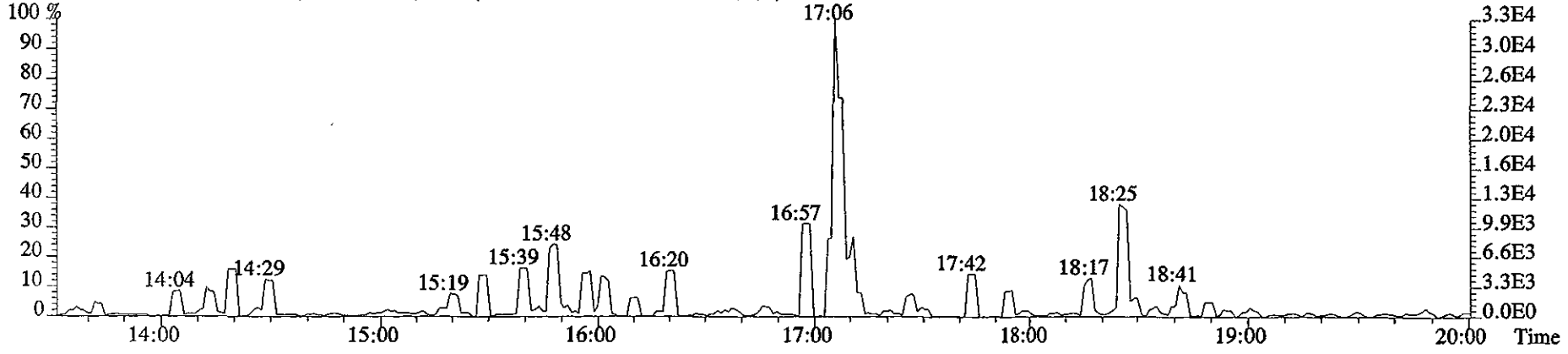
File:29AP101D5 #1-384 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)



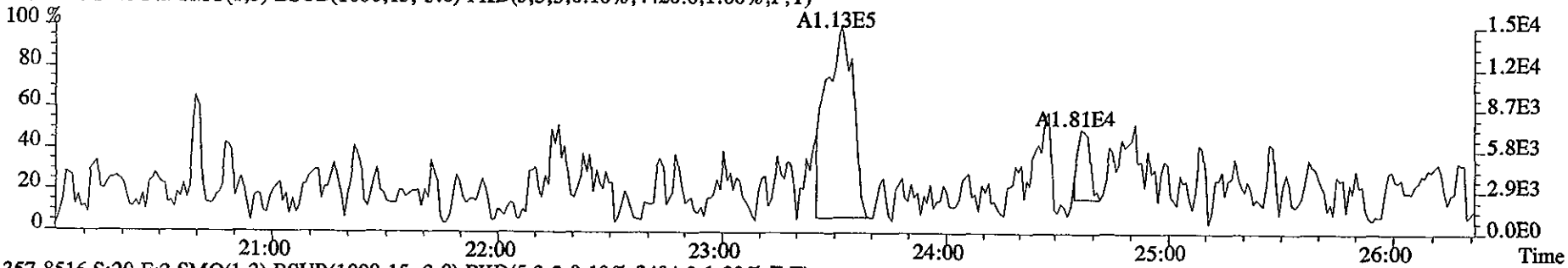
341.8567 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)



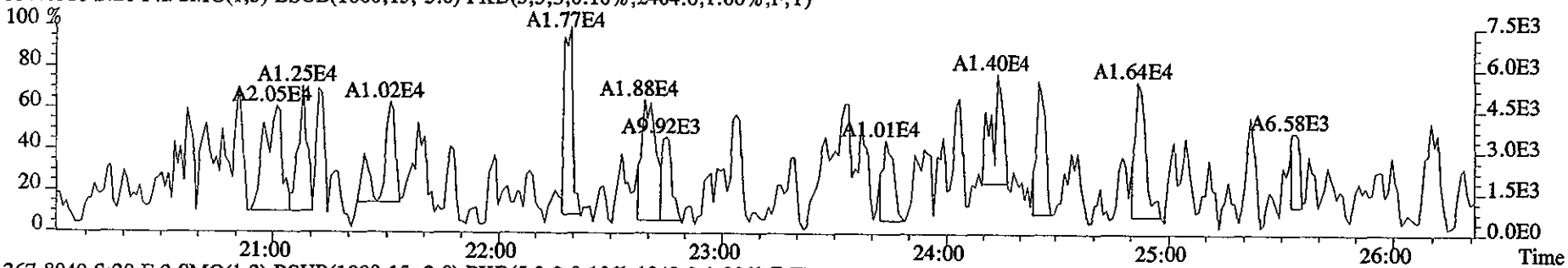
409.7974 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,240.0,1.00%,F,T)



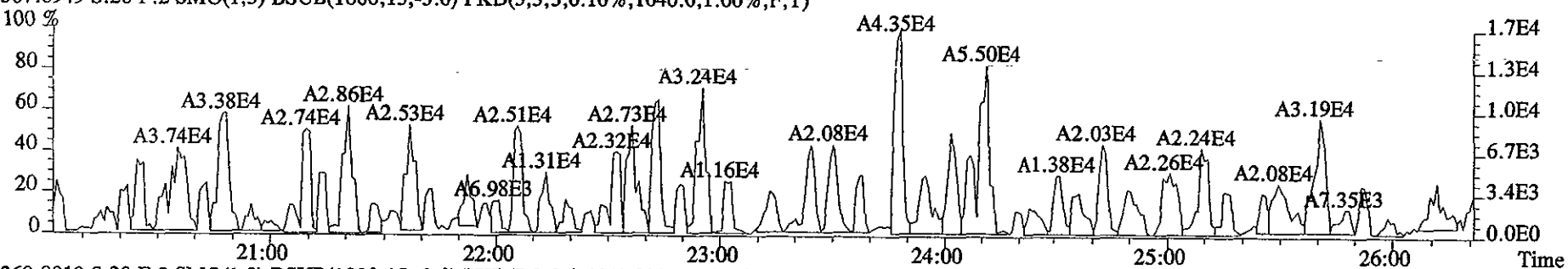
File:29AP101D5 #1-445 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4420.0,1.00%,F,T)



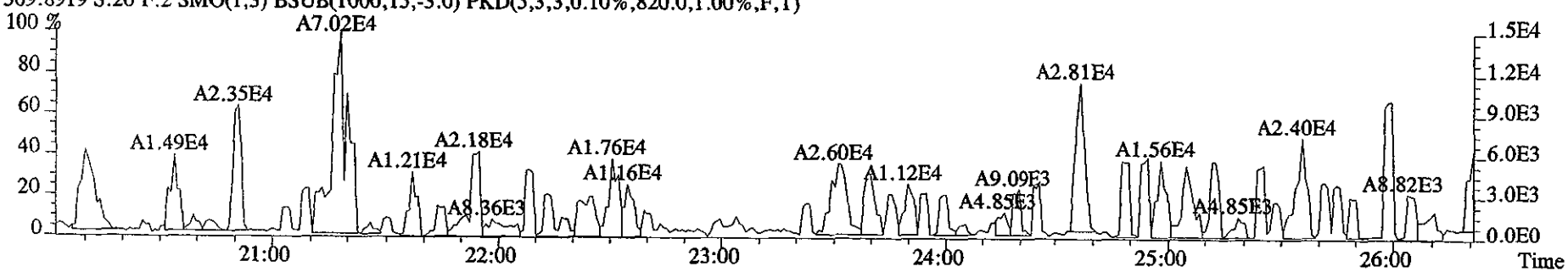
357.8516 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



367.8949 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1040.0,1.00%,F,T)

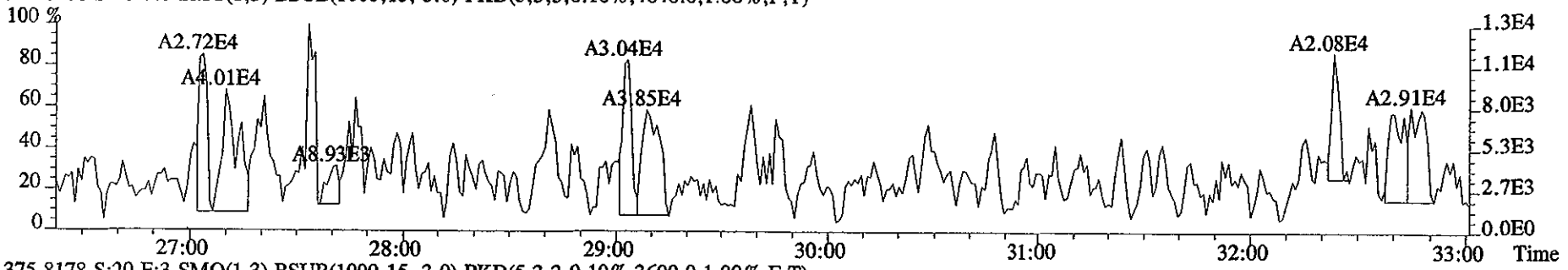


369.8919 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,820.0,1.00%,F,T)

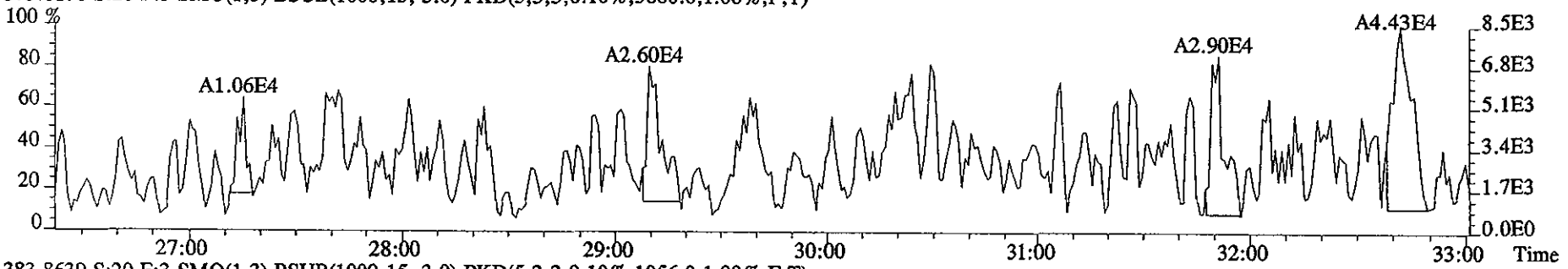


File:29AP101D5 #1-447 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES

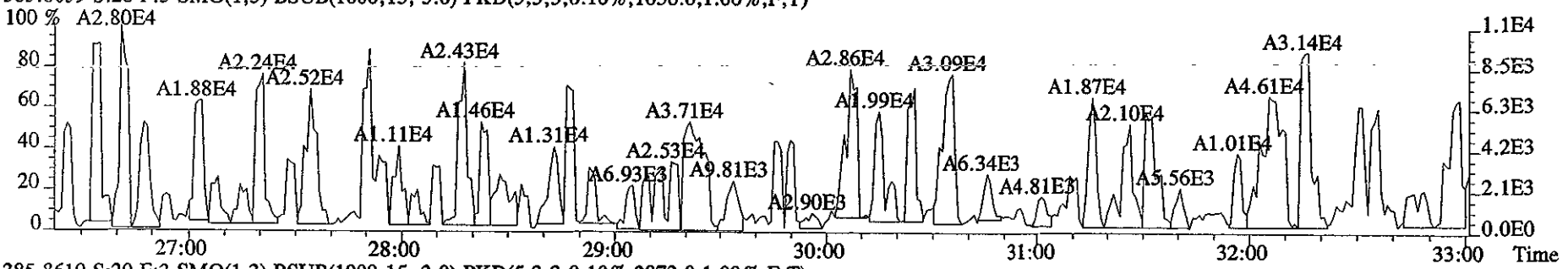
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4640.0,1.00%,F,T)



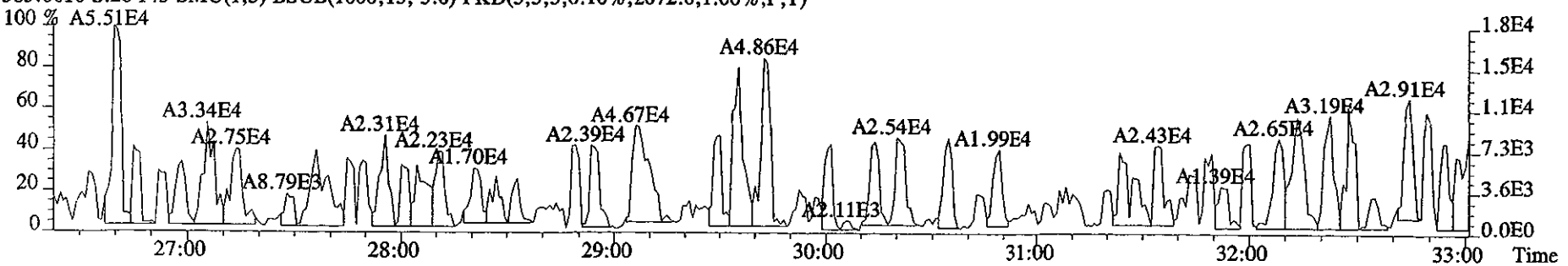
375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3600.0,1.00%,F,T)



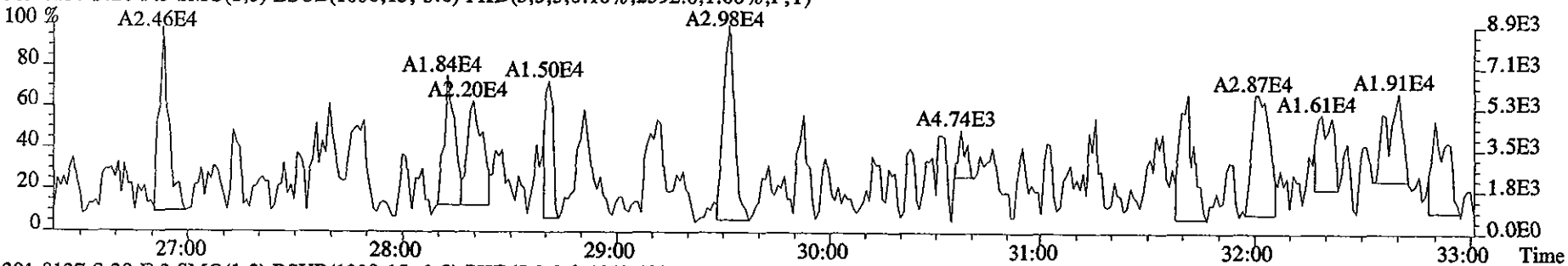
383.8639 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1056.0,1.00%,F,T)



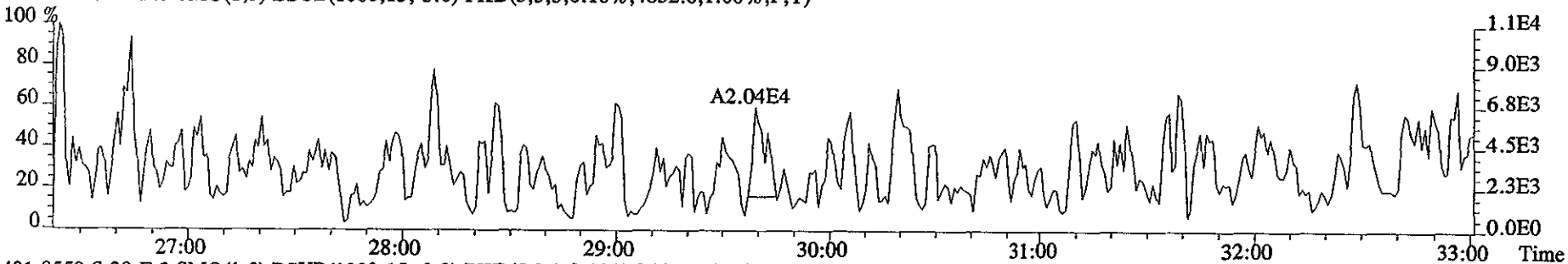
385.8610 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2072.0,1.00%,F,T)



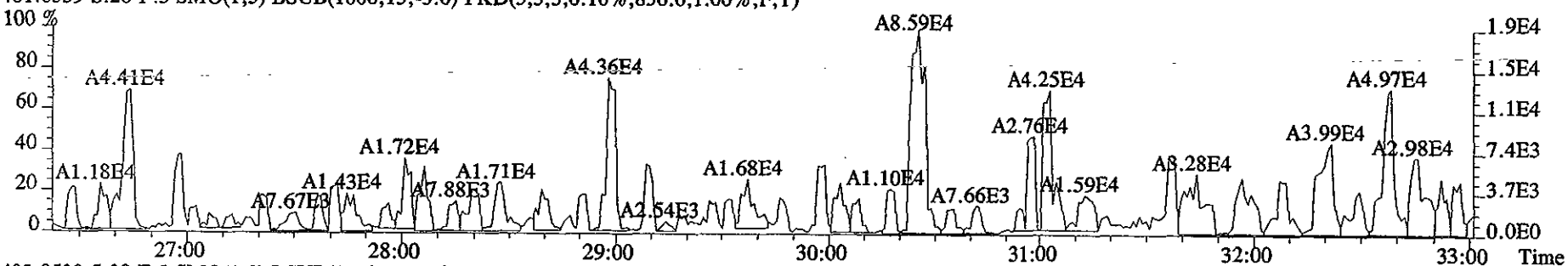
File:29AP101D5 #1-447 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
389.8157 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2592.0,1.00%,F,T)



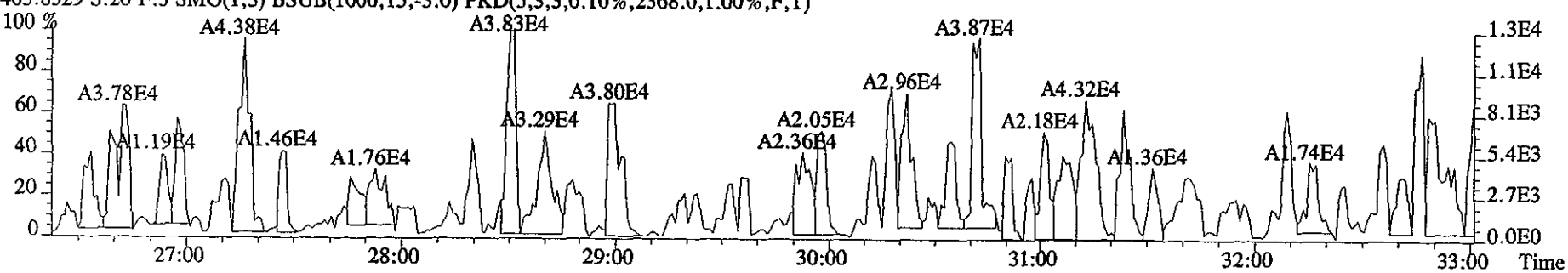
391.8127 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



401.8559 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)

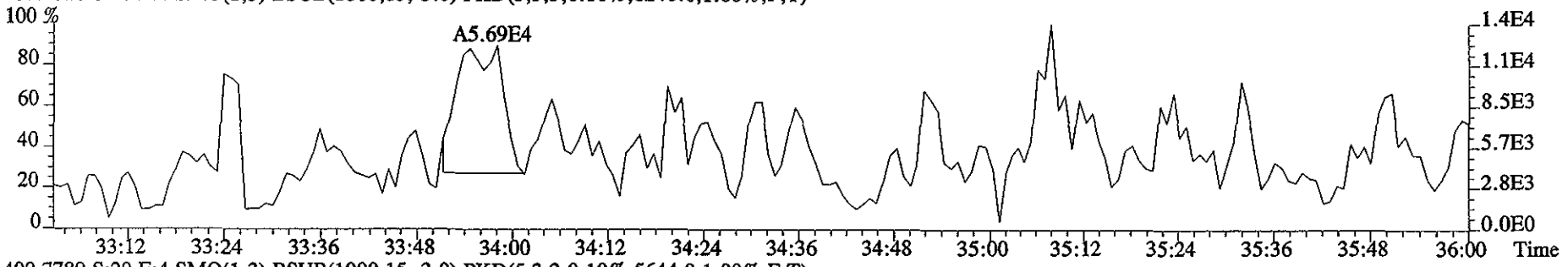


403.8529 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2368.0,1.00%,F,T)

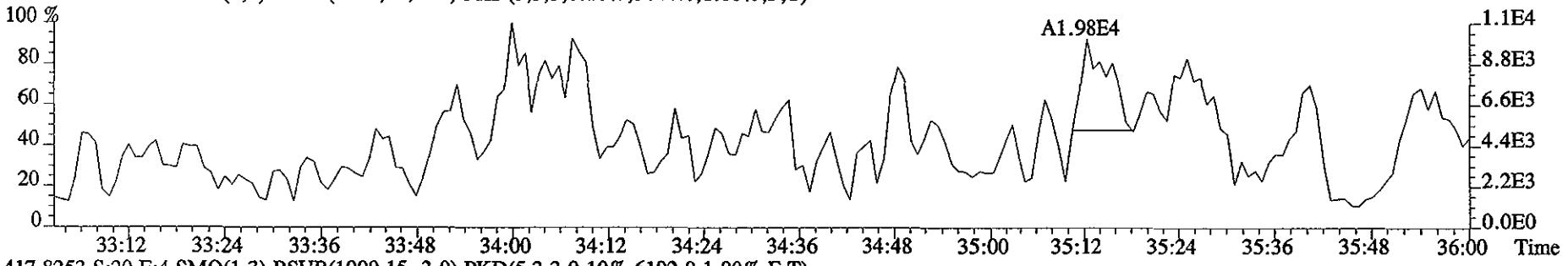


File:29AP101D5 #1-209 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES

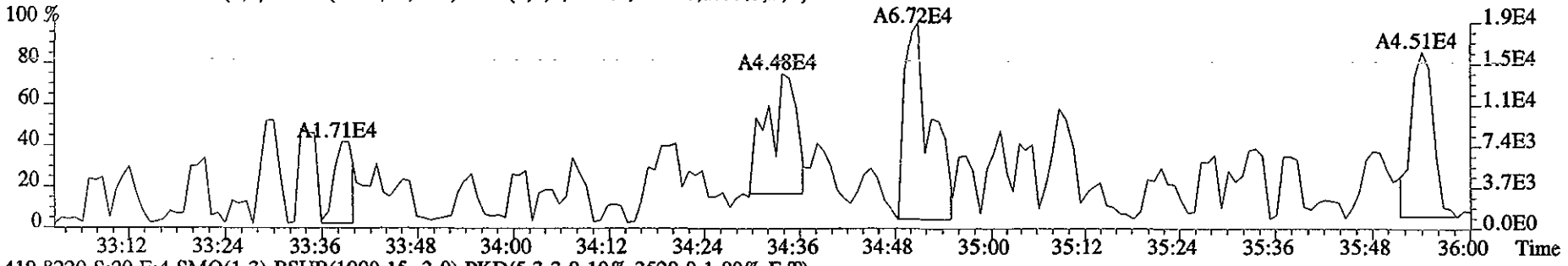
407.7818 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6240.0,1.00%,F,T)



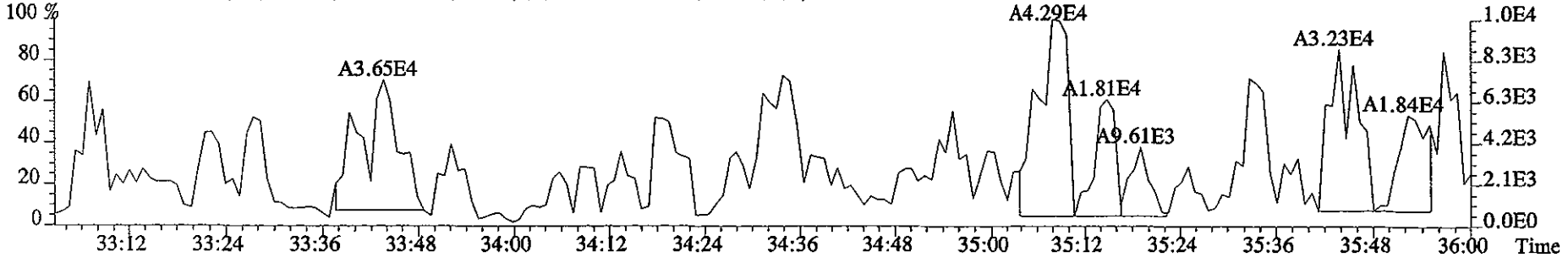
409.7789 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5644.0,1.00%,F,T)



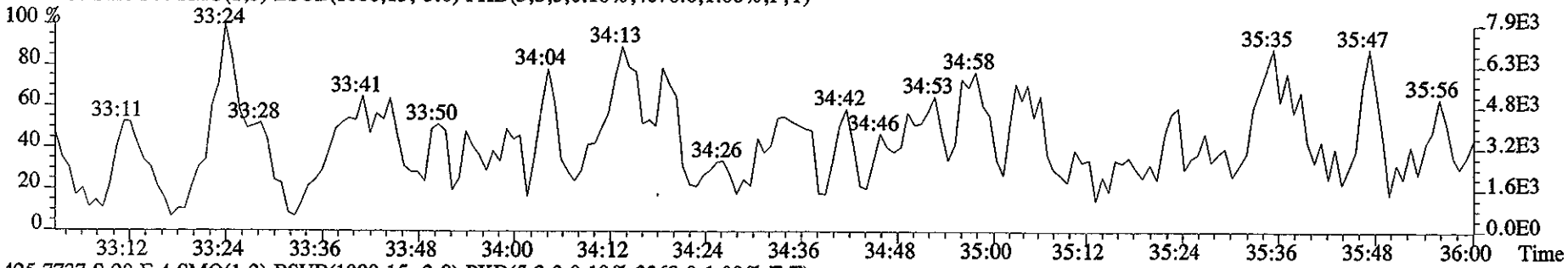
417.8253 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6192.0,1.00%,F,T)



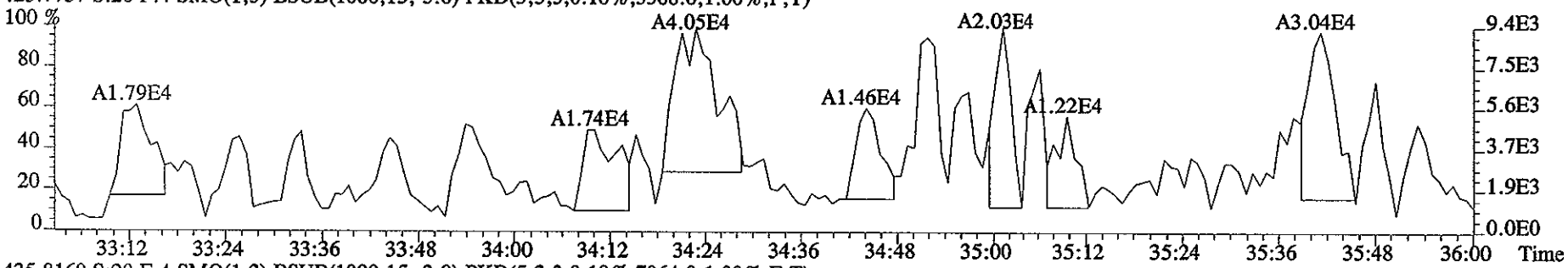
419.8220 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3520.0,1.00%,F,T)



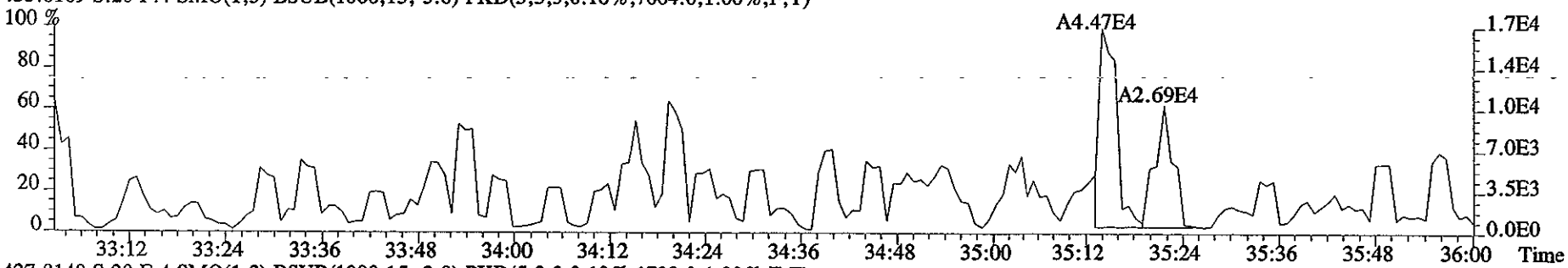
File:29AP101D5 #1-209 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
423.7766 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)



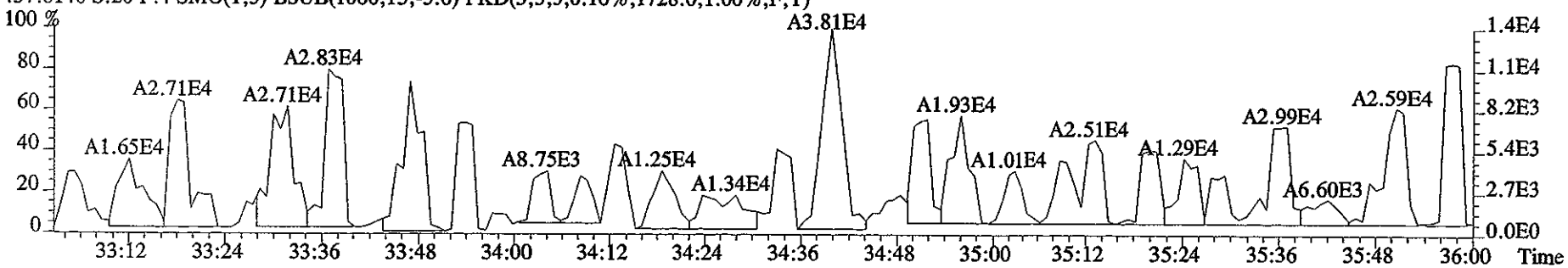
425.7737 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3368.0,1.00%,F,T)



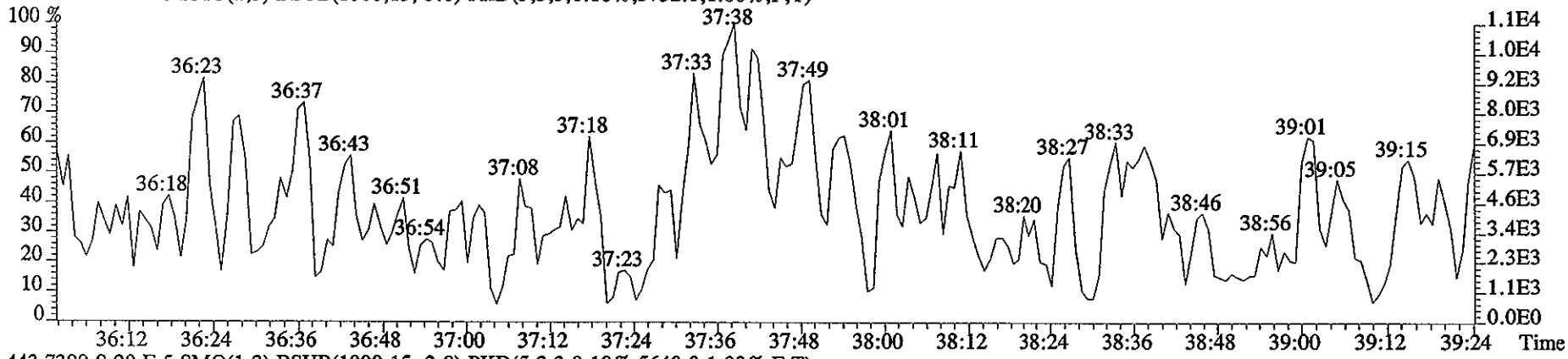
435.8169 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7064.0,1.00%,F,T)



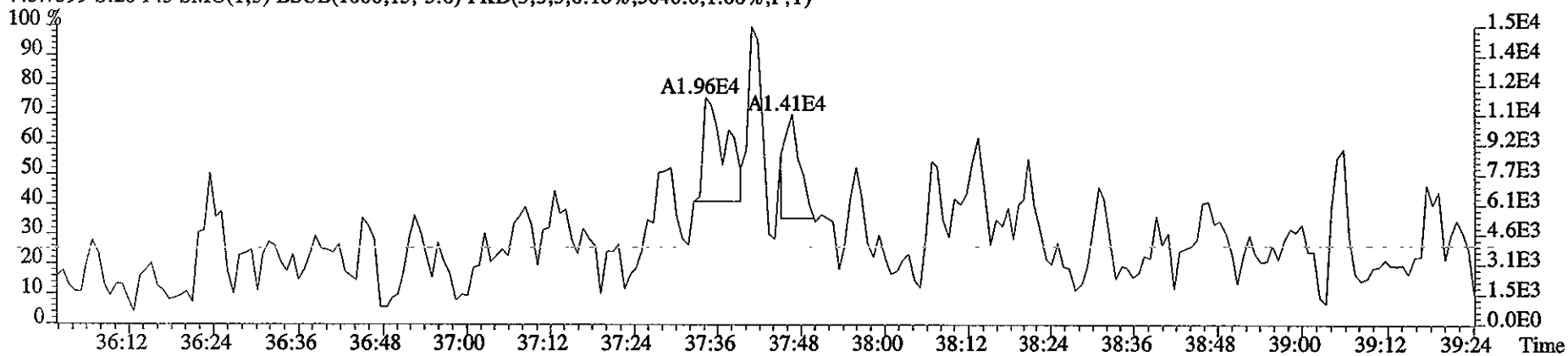
437.8140 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1728.0,1.00%,F,T)



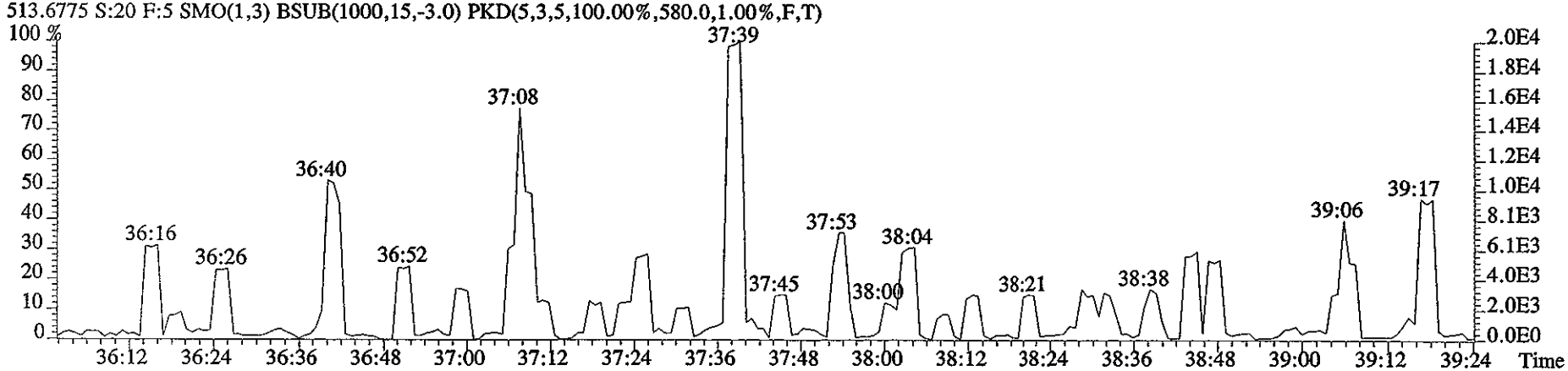
File:29AP101D5 #1-244 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5732.0,1.00%,F,T)



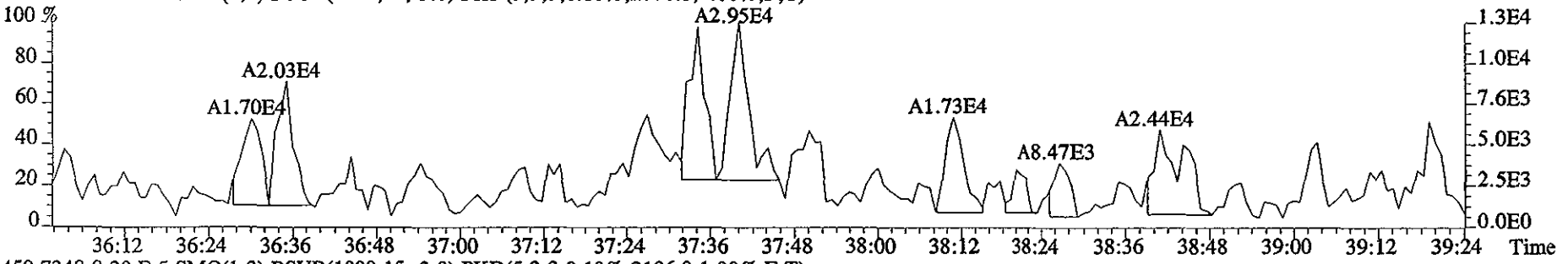
443.7399 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5640.0,1.00%,F,T)



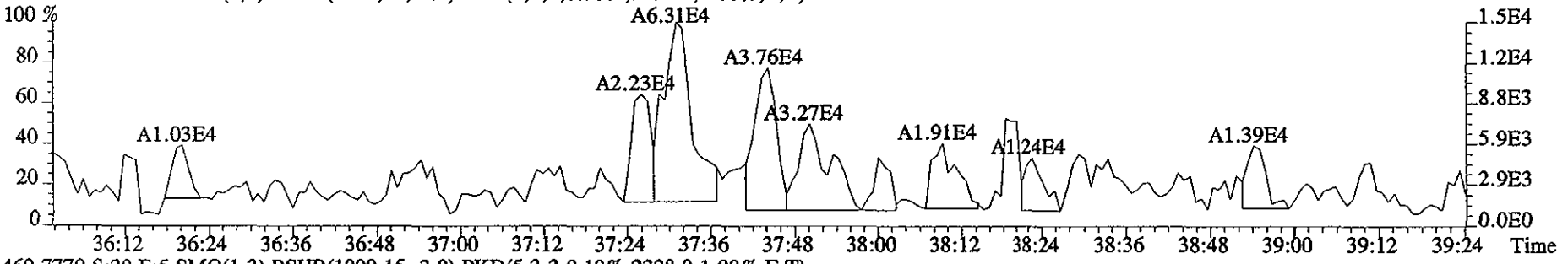
513.6775 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,580.0,1.00%,F,T)



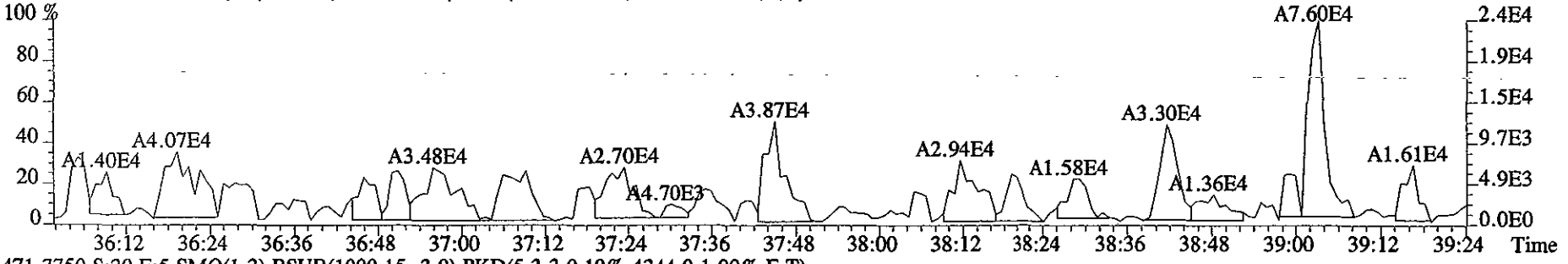
File:29AP101D5 #1-244 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
457.7377 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2776.0,1.00%,F,T)



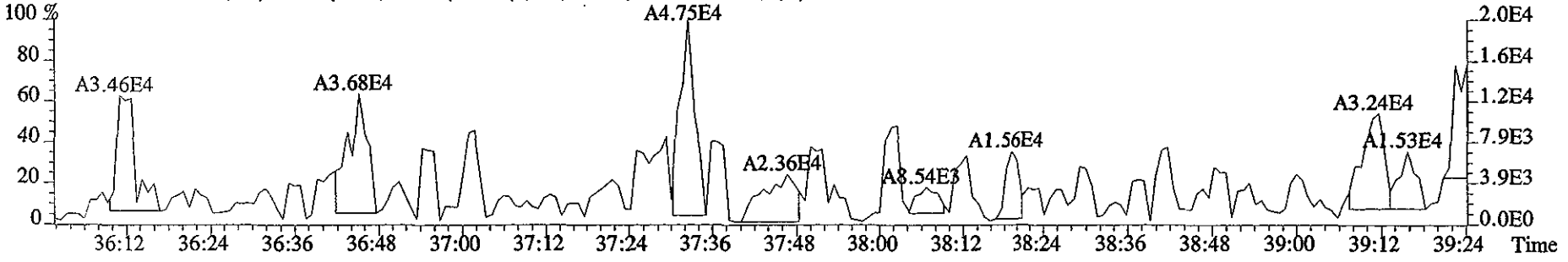
459.7348 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)



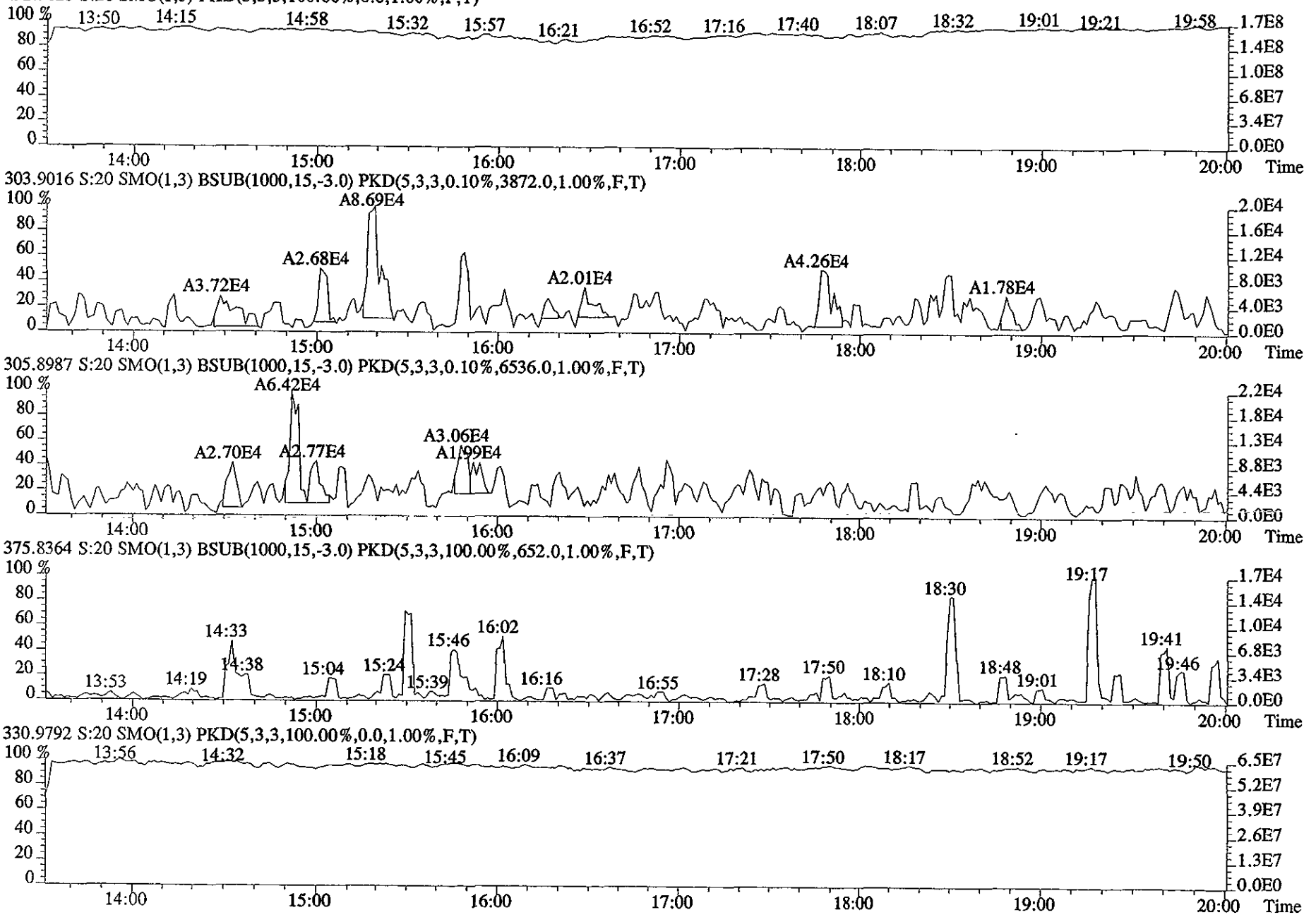
469.7779 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



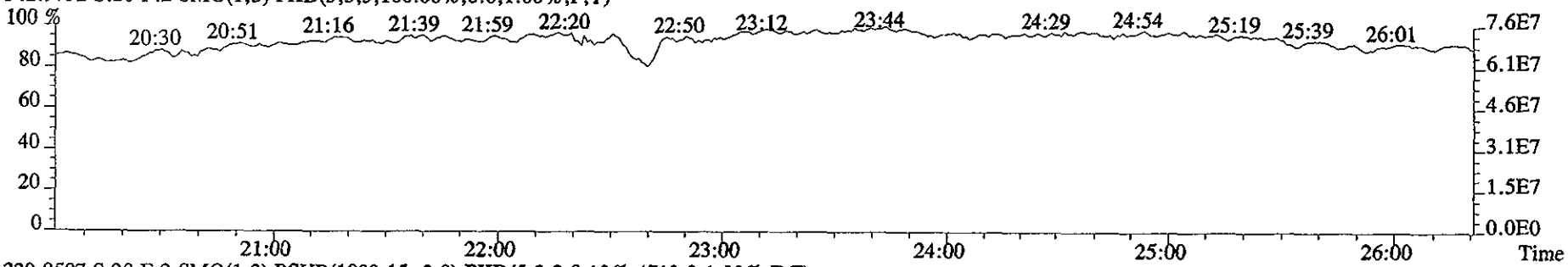
471.7750 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4344.0,1.00%,F,T)



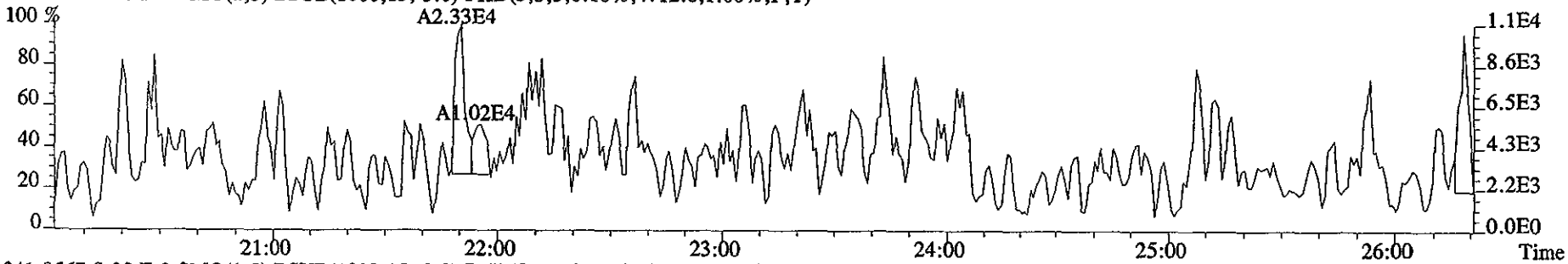
File:29AP101D5 #1-384 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES



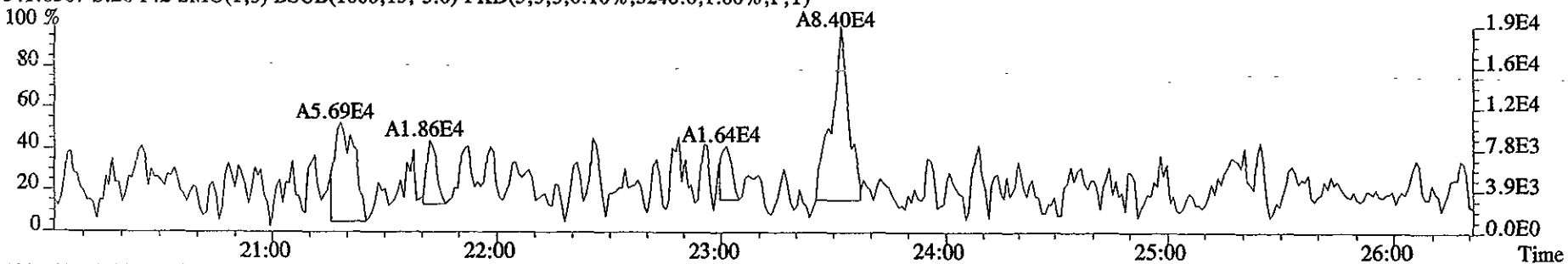
File:29AP101D5 #1-445 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
342.9792 S:20 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



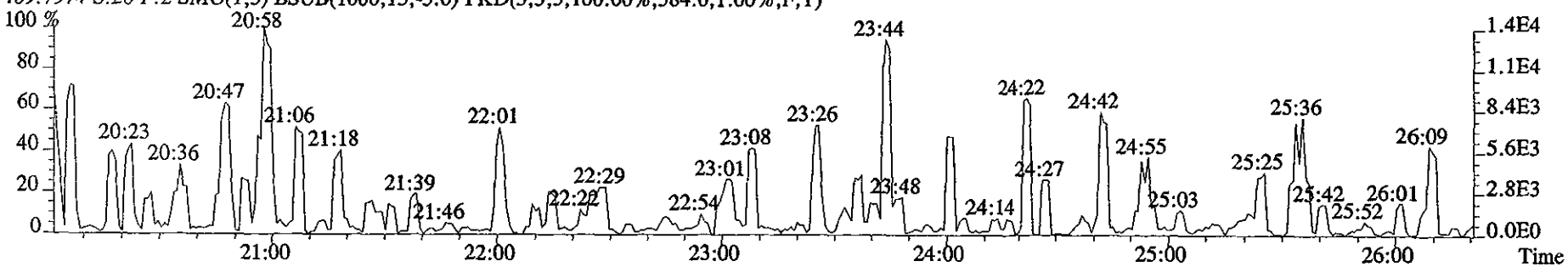
339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4712.0,1.00%,F,T)



341.8567 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5240.0,1.00%,F,T)

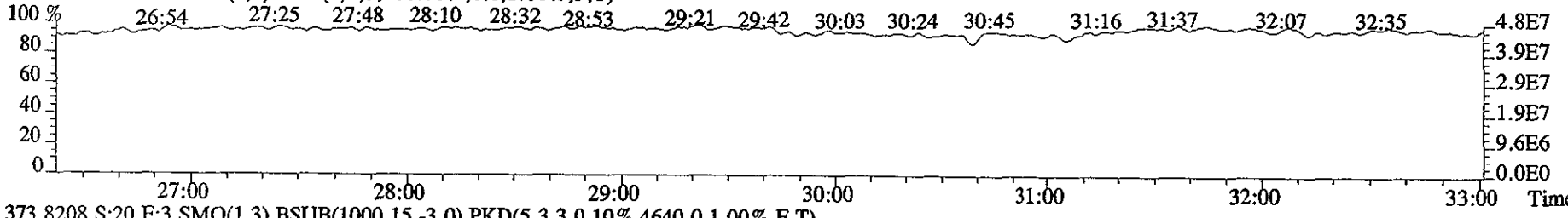


409.7974 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,584.0,1.00%,F,T)

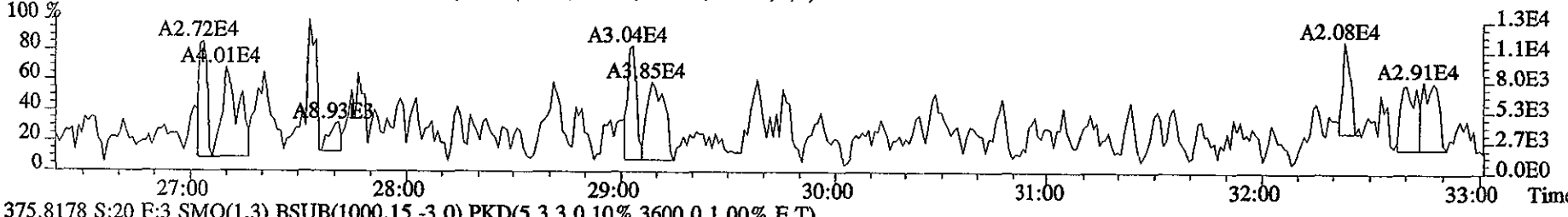


File:29AP101D5 #1-447 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES

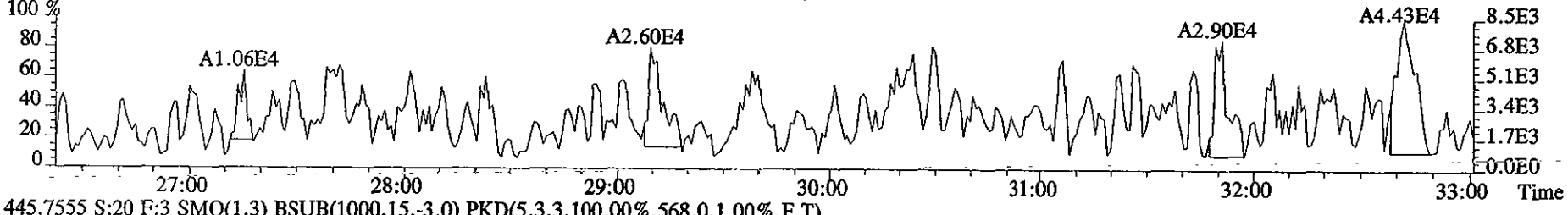
392.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



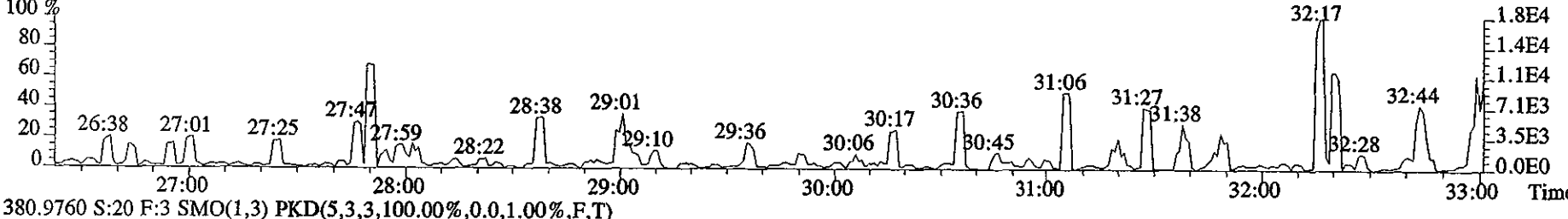
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4640.0,1.00%,F,T)



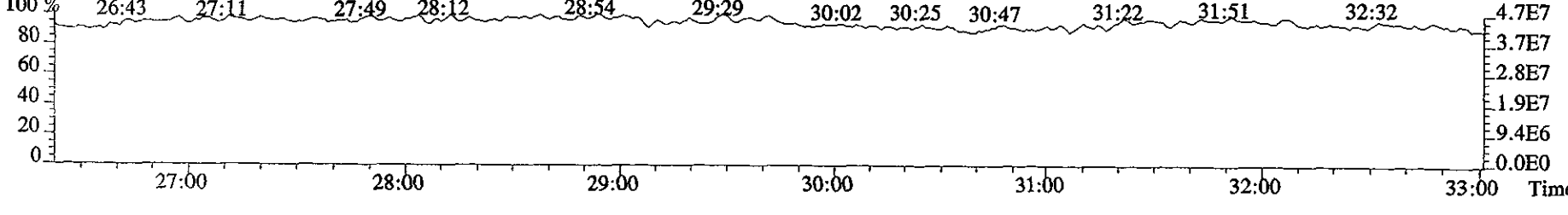
375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3600.0,1.00%,F,T)



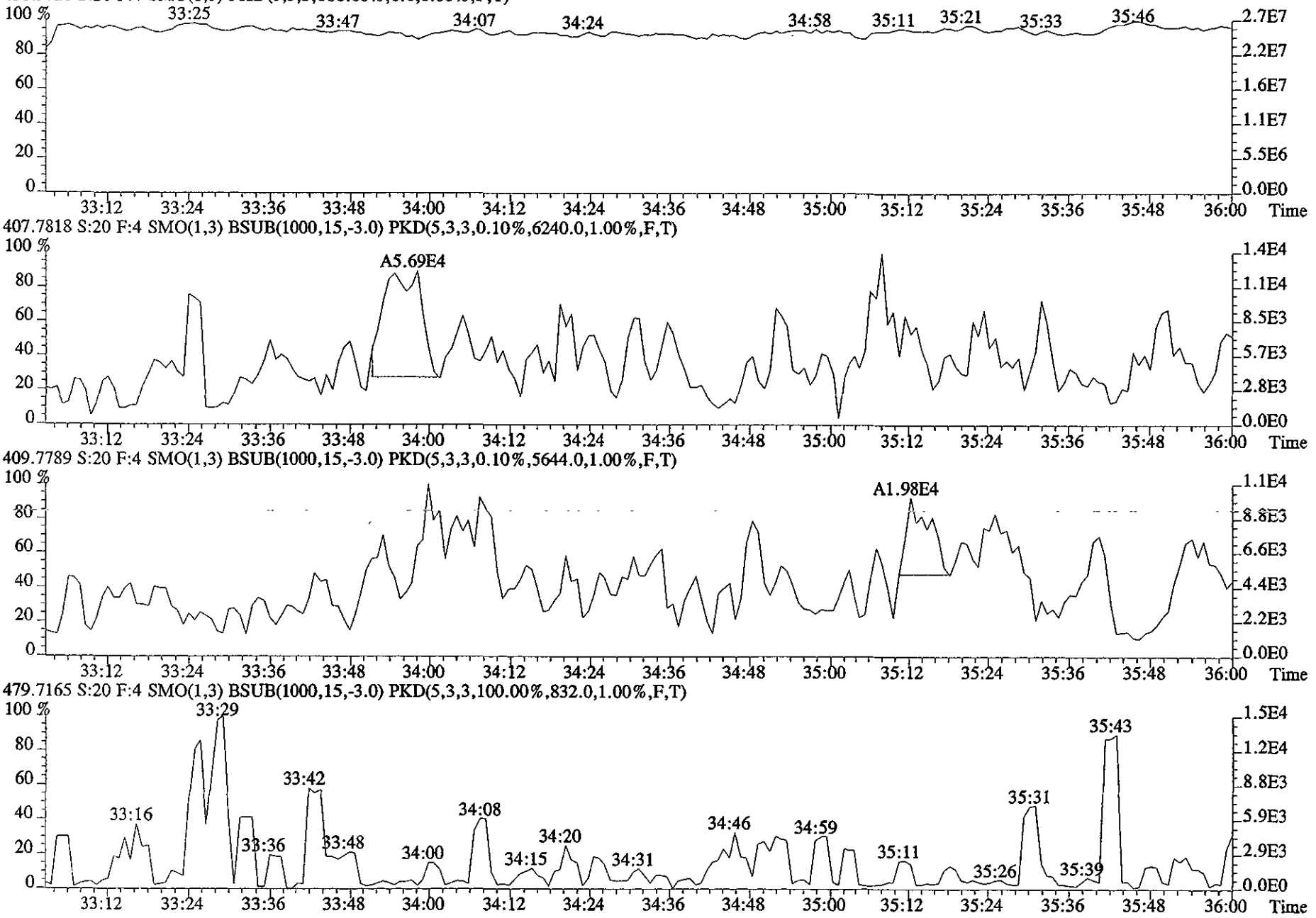
445.7555 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,568.0,1.00%,F,T)



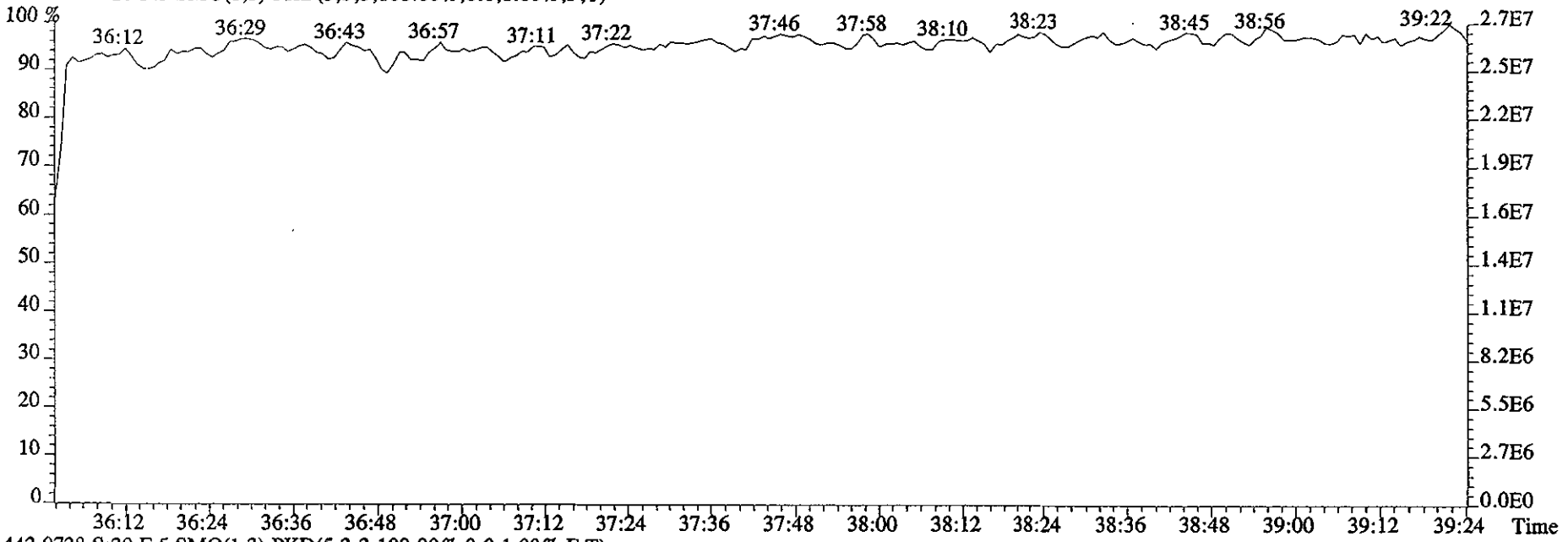
380.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



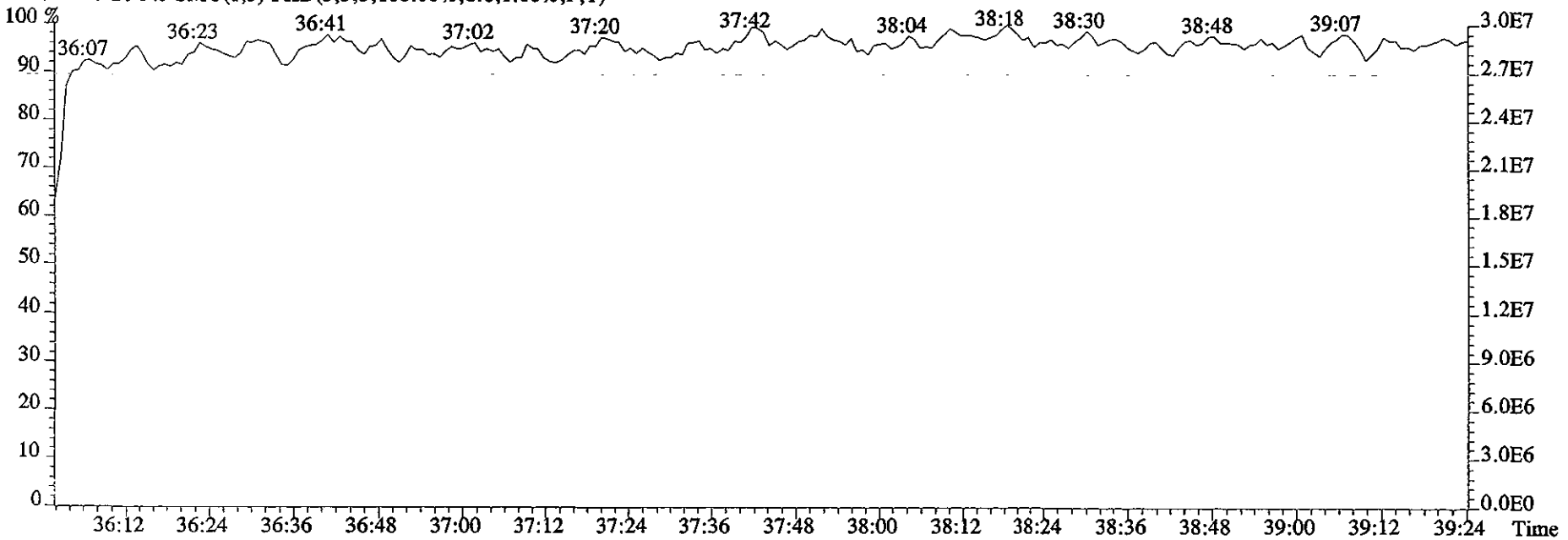
File:29AP101D5 #1-209 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES



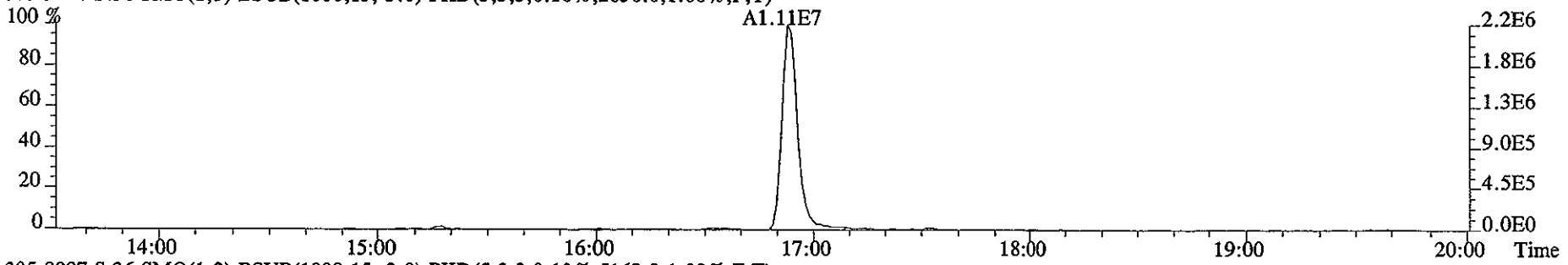
File:29AP101D5 #1-244 Acq:29-APR-2010 23:29:13 GC EI+ Voltage SIR 70SE
Sample#20 Text:SB0429B :Solvent Blank C-14 Exp:DIOXINRES
454.9728 S:20 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



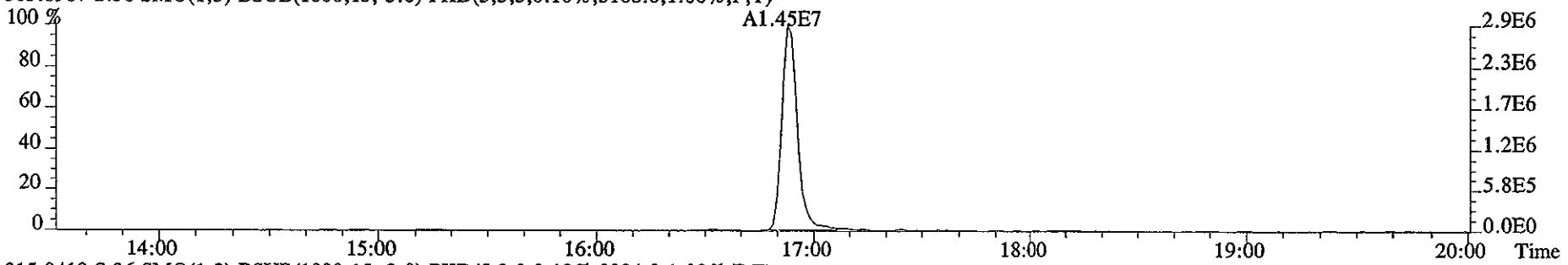
442.9728 S:20 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



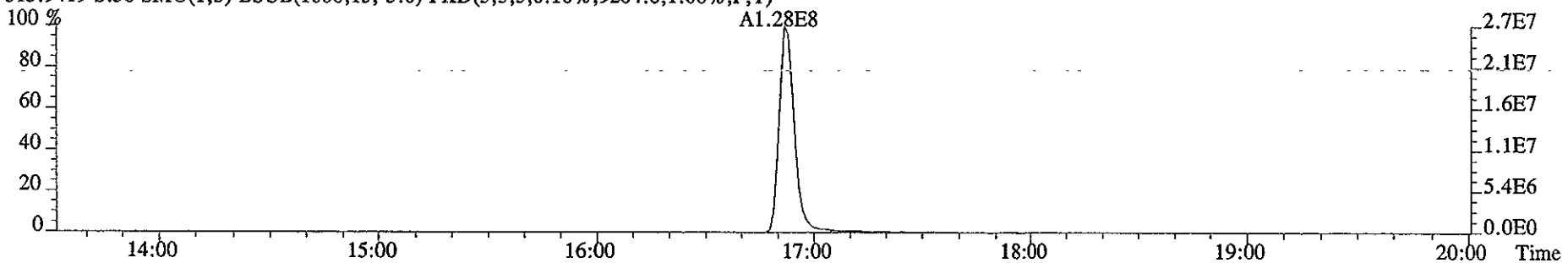
File:29AP101D5 #1-384 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
303.9016 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



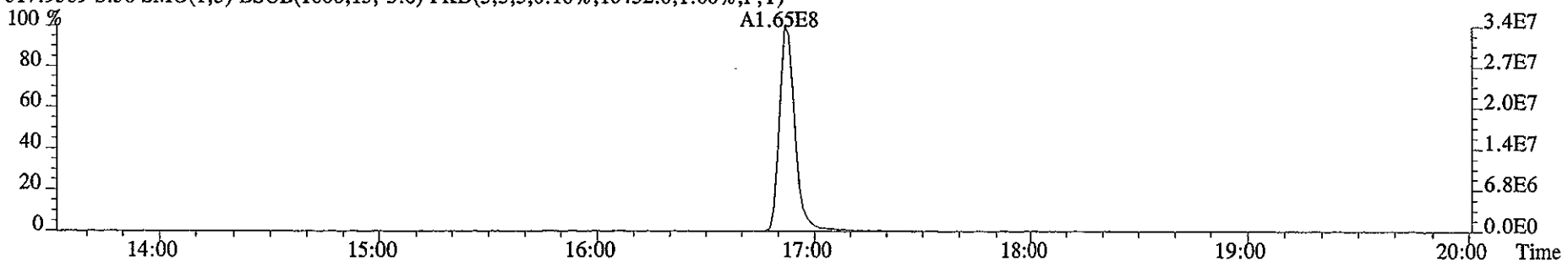
305.8987 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5168.0,1.00%,F,T)



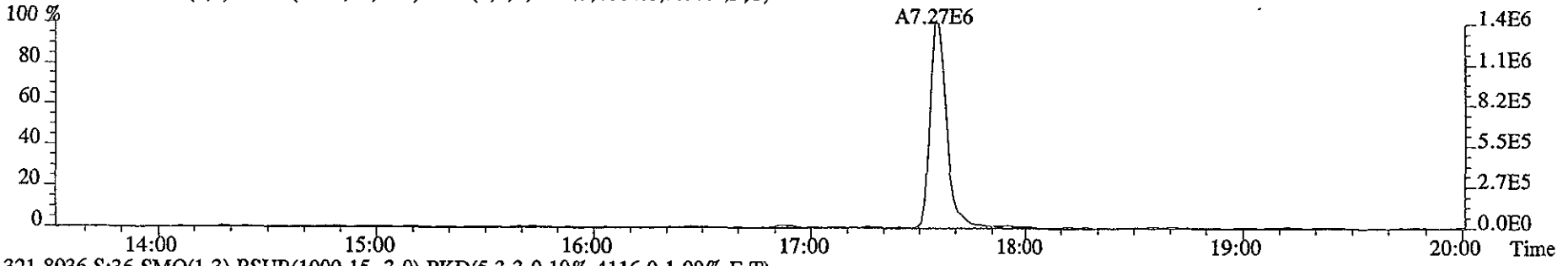
315.9419 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9204.0,1.00%,F,T)



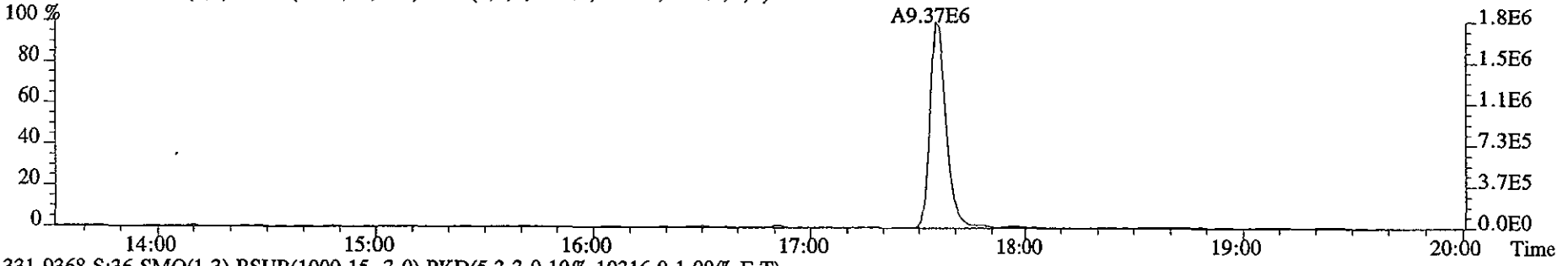
317.9389 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10452.0,1.00%,F,T)



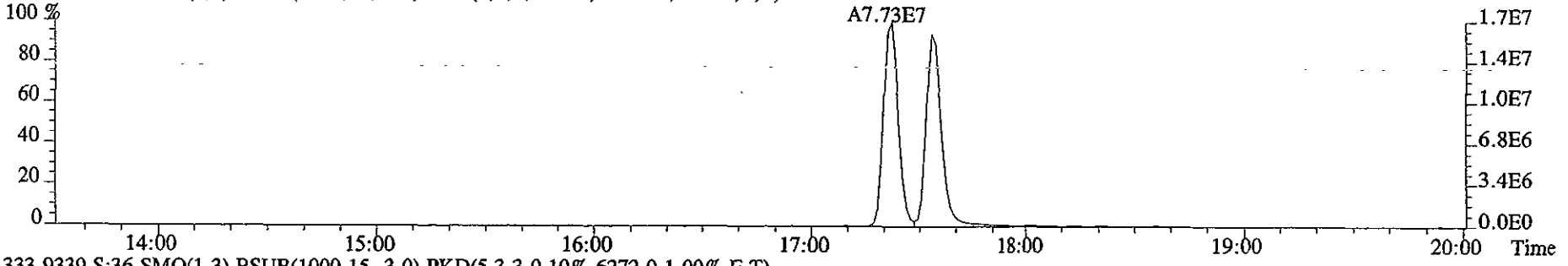
File:29AP101D5 #1-384 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
319.8965 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4064.0,1.00%,F,T)



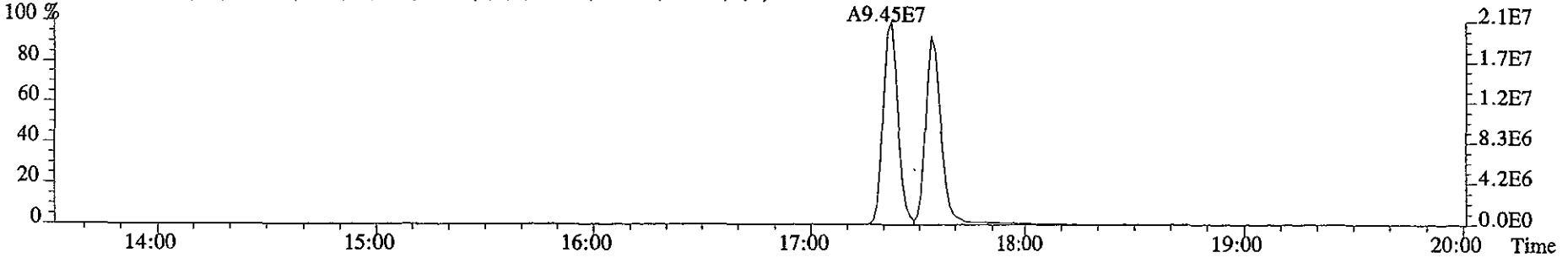
321.8936 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4116.0,1.00%,F,T)



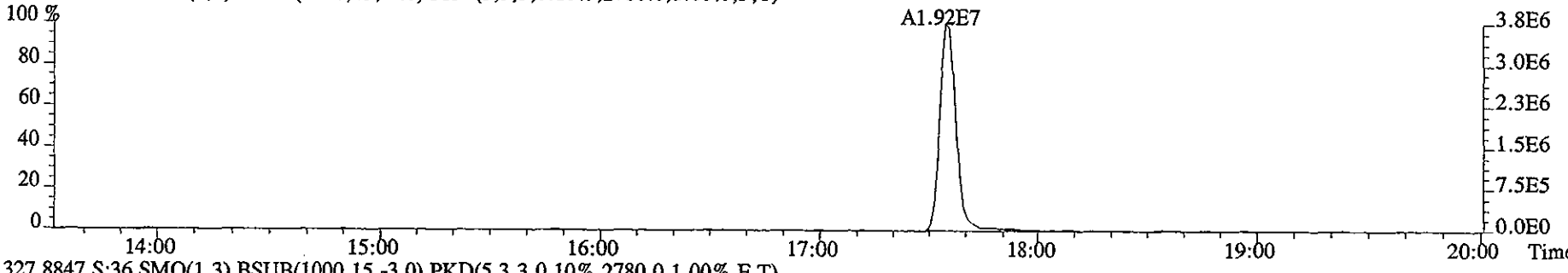
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10316.0,1.00%,F,T)



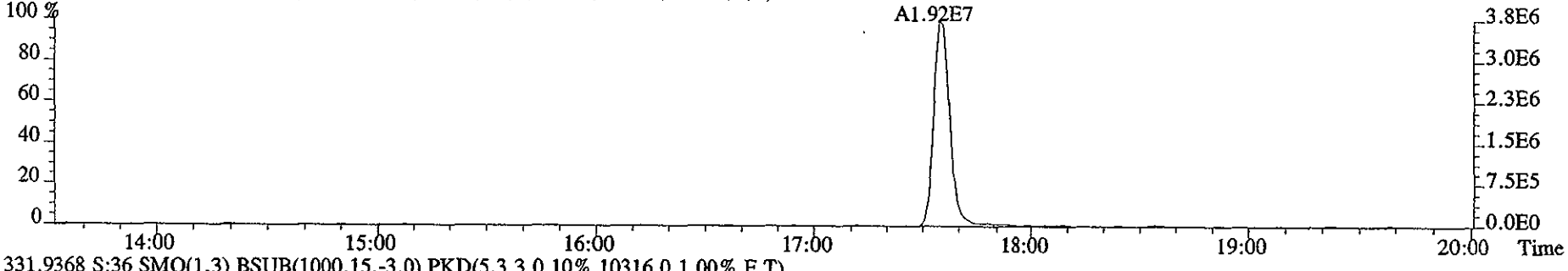
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6272.0,1.00%,F,T)



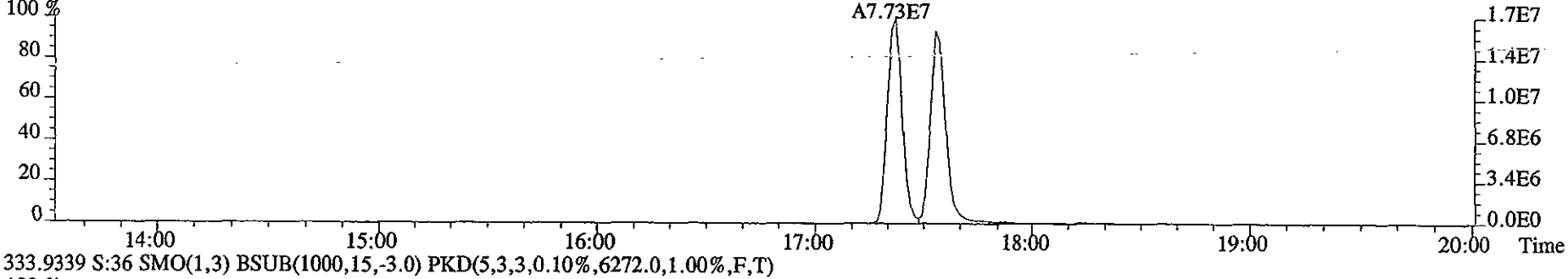
File:29AP101D5 #1-384 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2780.0,1.00%,F,T)



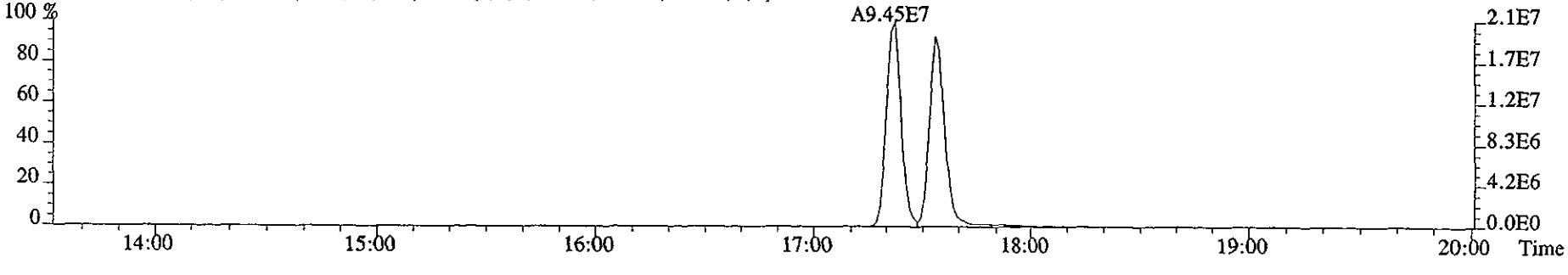
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2780.0,1.00%,F,T)



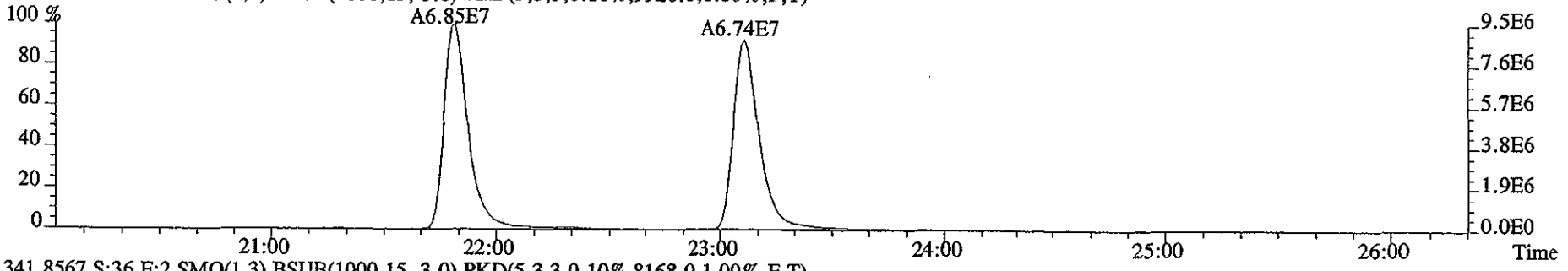
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10316.0,1.00%,F,T)



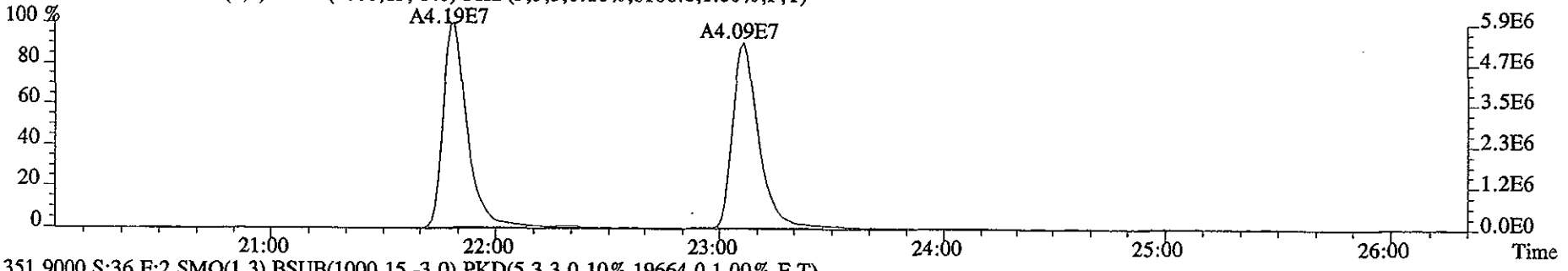
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6272.0,1.00%,F,T)



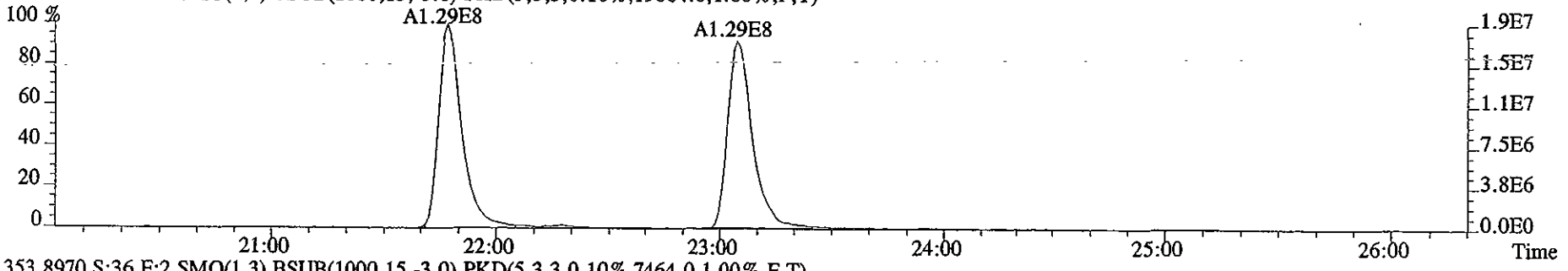
File:29AP101D5 #1-444 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9920.0,1.00%,F,T)



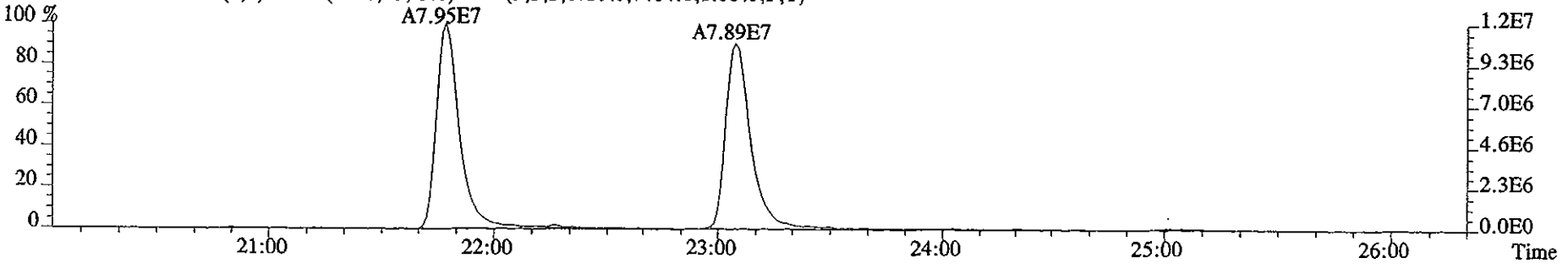
341.8567 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8168.0,1.00%,F,T)



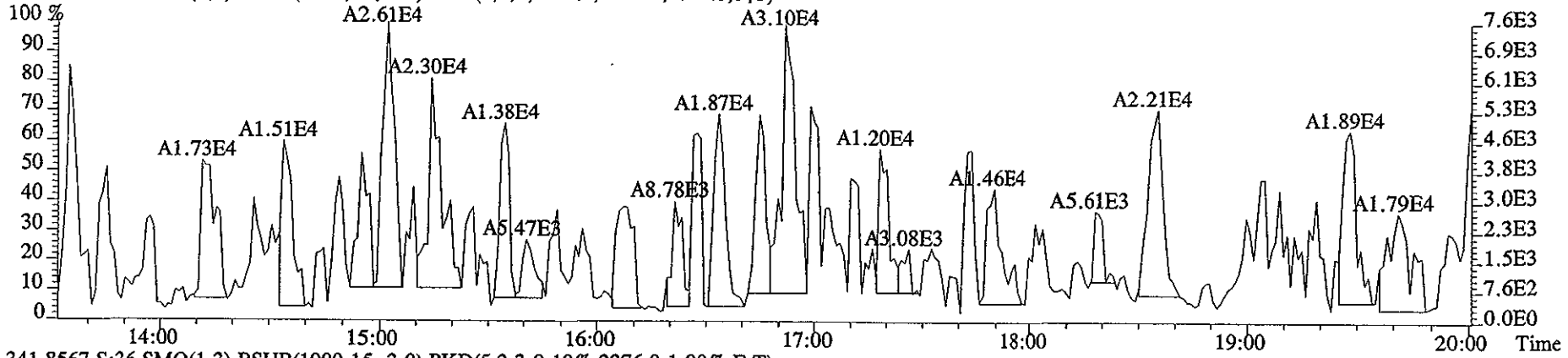
351.9000 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19664.0,1.00%,F,T)



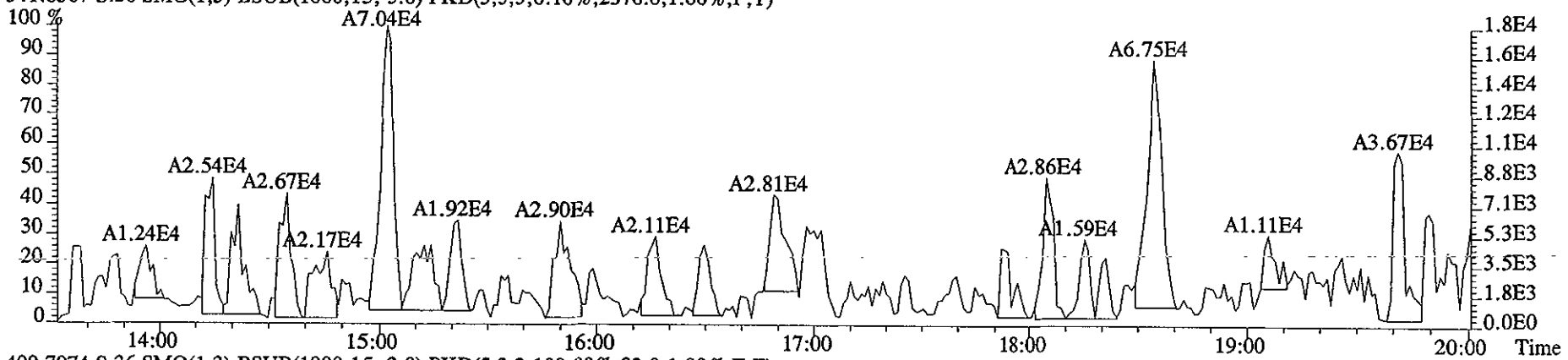
353.8970 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7464.0,1.00%,F,T)



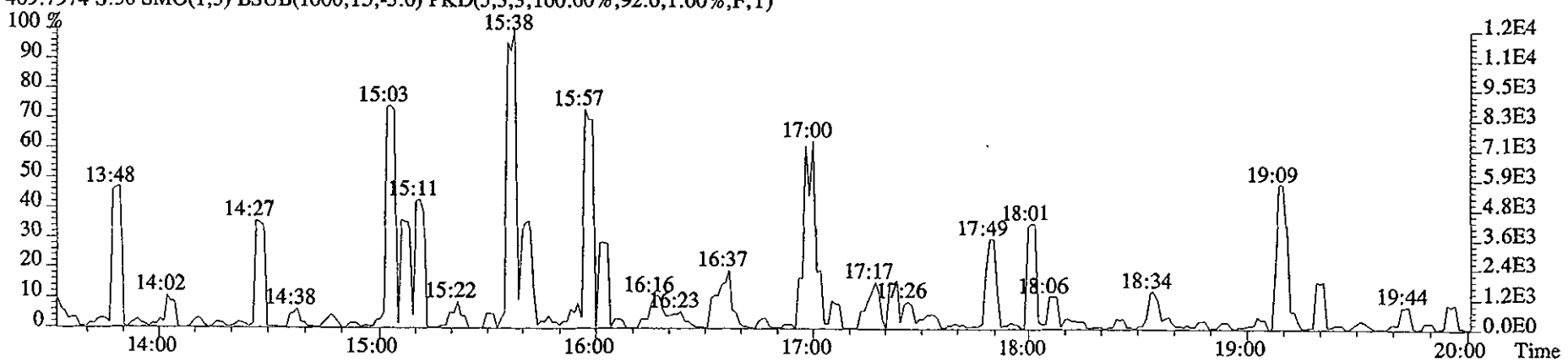
File:29AP101D5 #1-384 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
339.8597 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



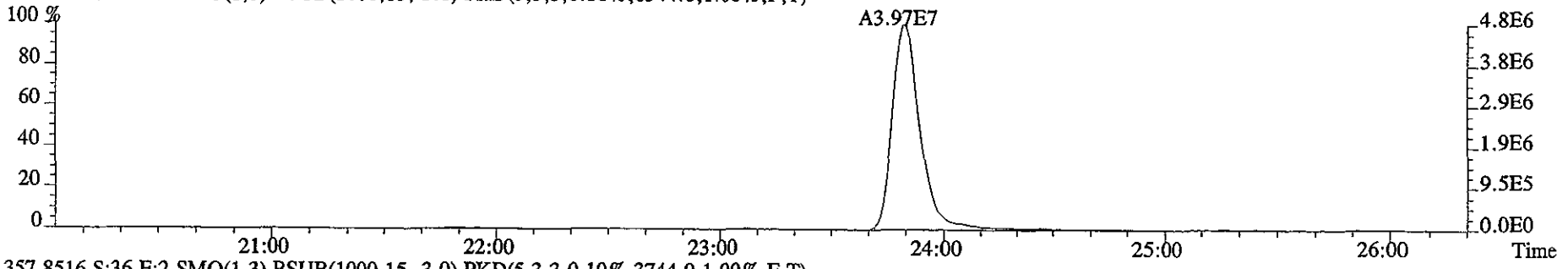
341.8567 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2376.0,1.00%,F,T)



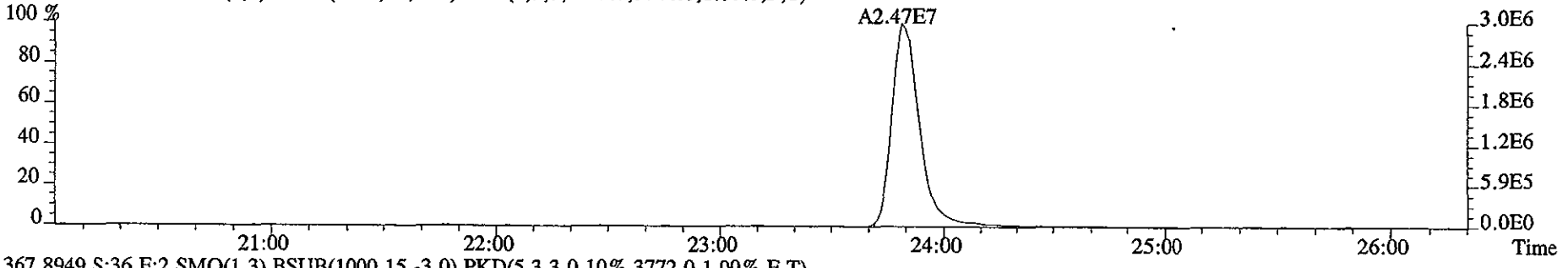
409.7974 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)



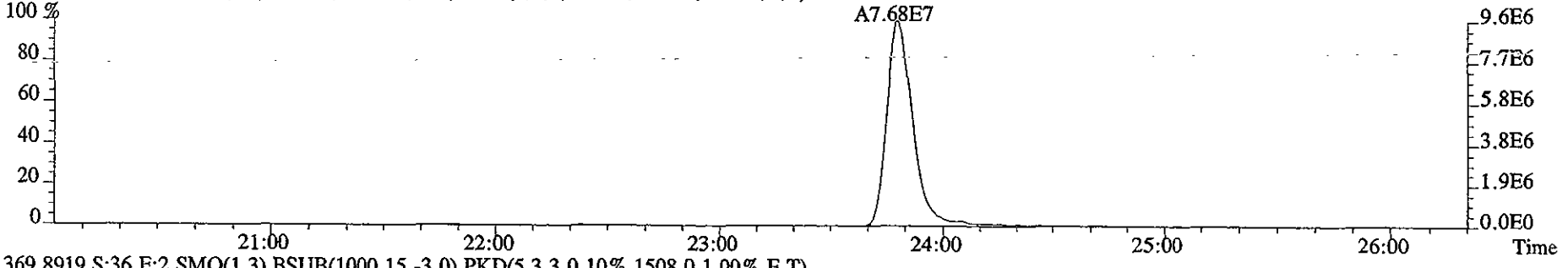
File:29AP101D5 #1-444 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
355.8546 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6344.0,1.00%,F,T)



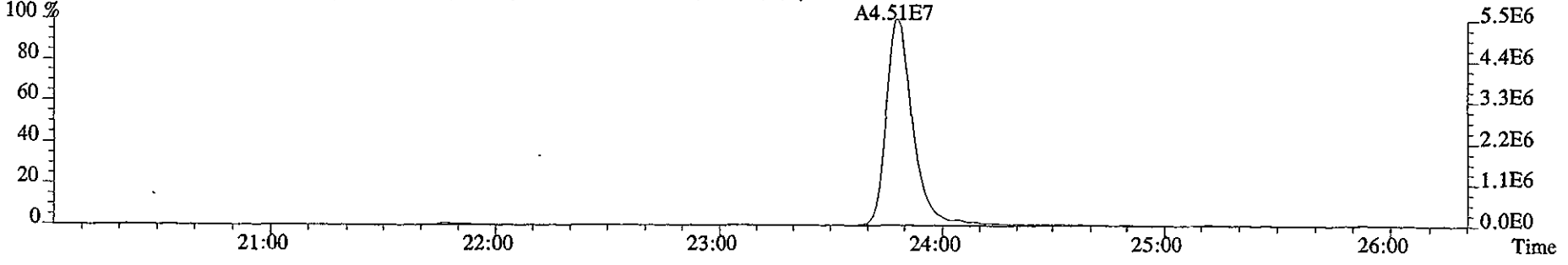
357.8516 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3744.0,1.00%,F,T)



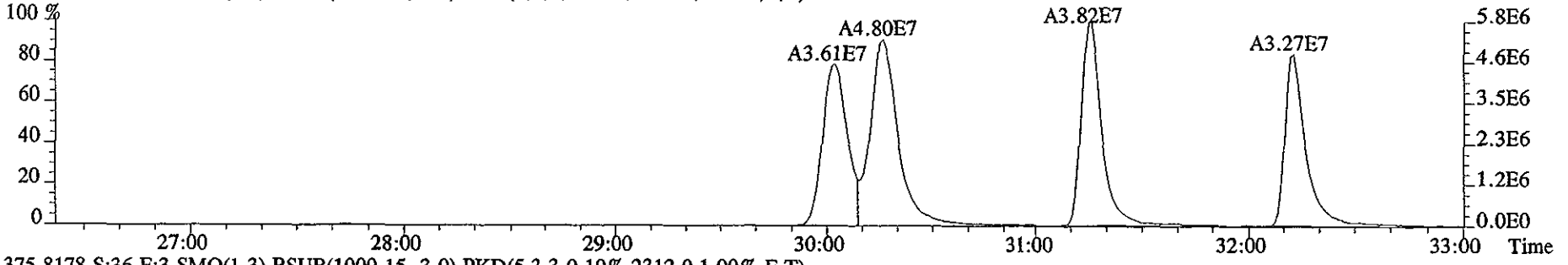
367.8949 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



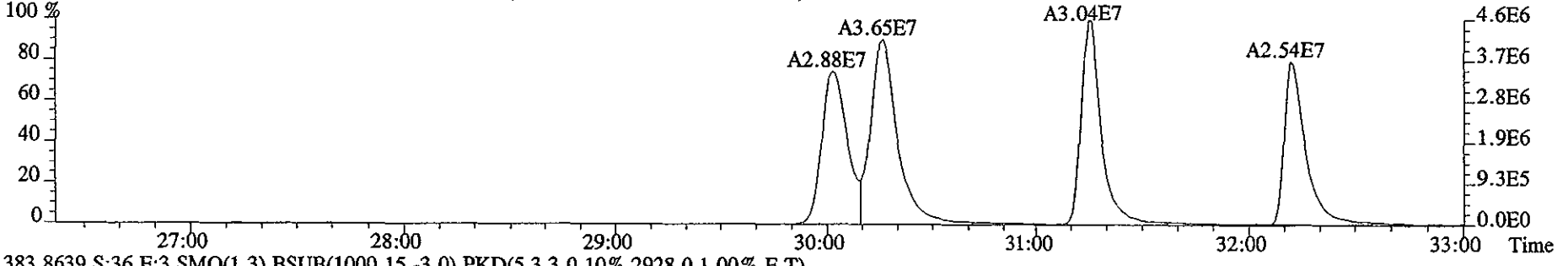
369.8919 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)



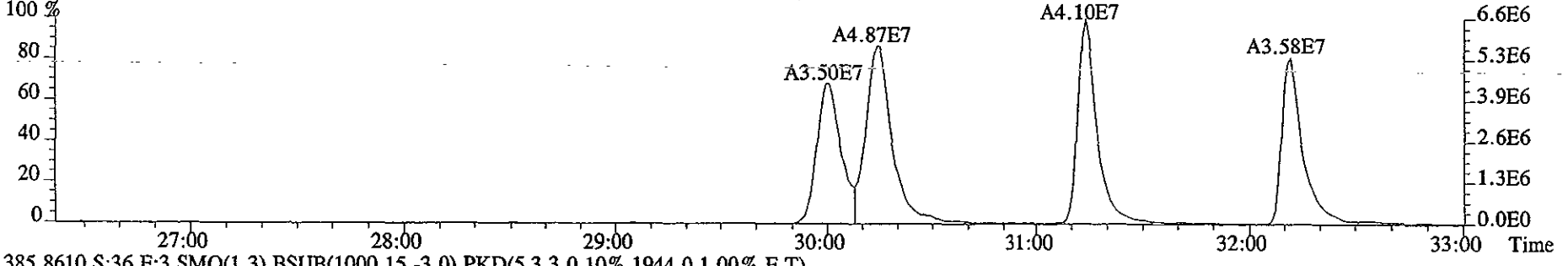
File:29AP101D5 #1-447 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
373.8208 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3008.0,1.00%,F,T)



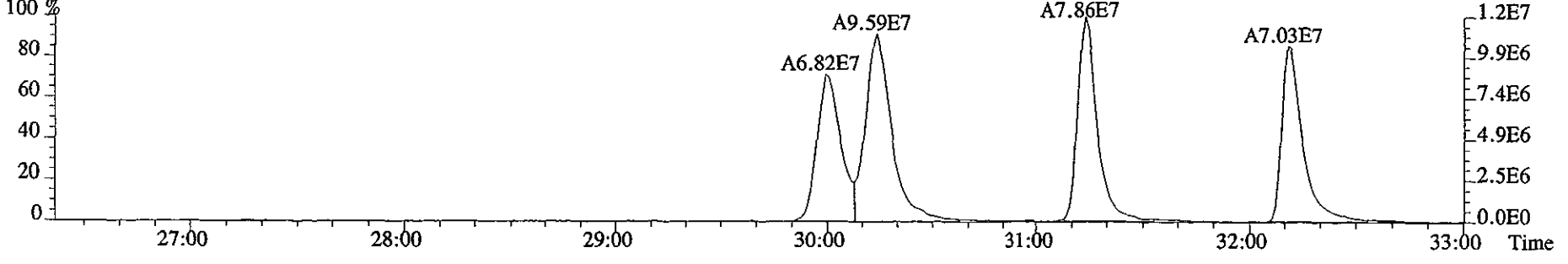
375.8178 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2312.0,1.00%,F,T)



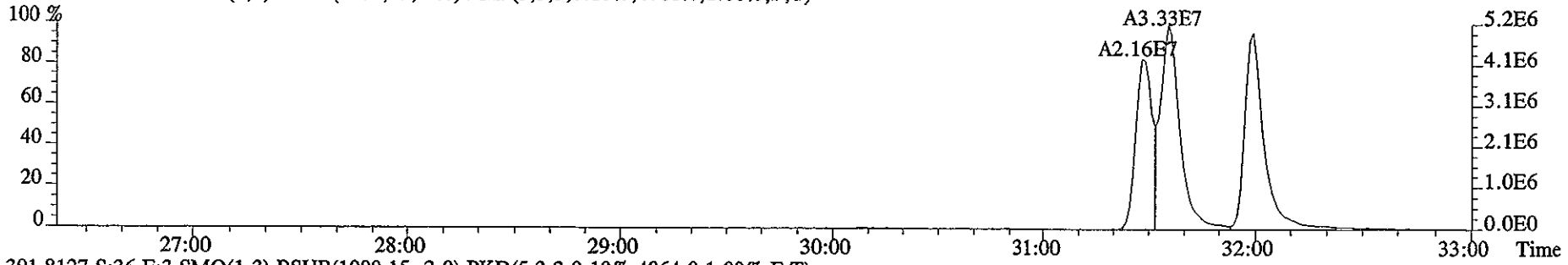
383.8639 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2928.0,1.00%,F,T)



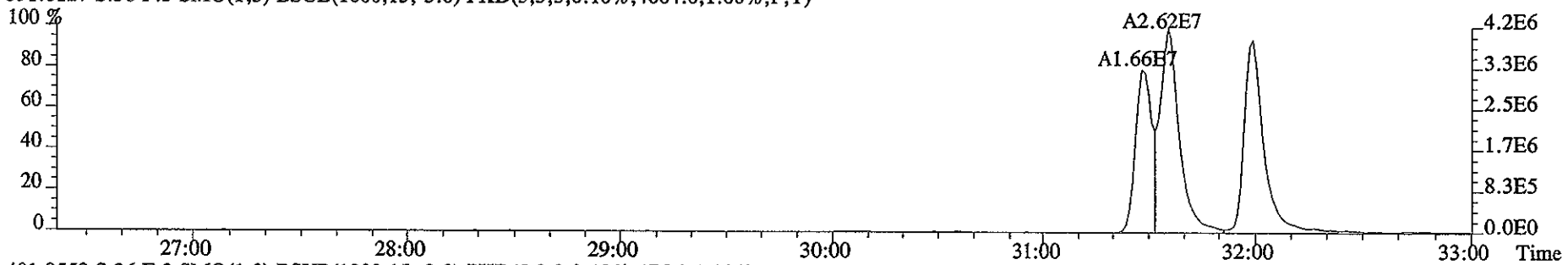
385.8610 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1944.0,1.00%,F,T)



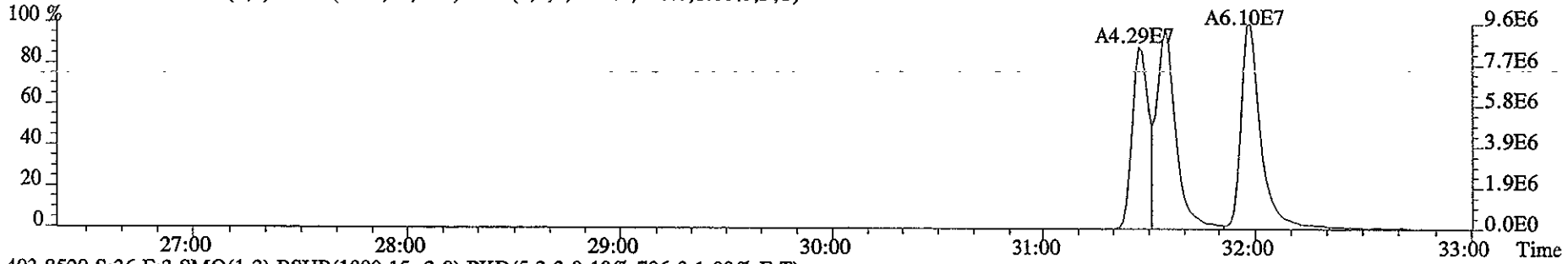
File:29AP101D5 #1-447 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
389.8157 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4788.0,1.00%,F,T)



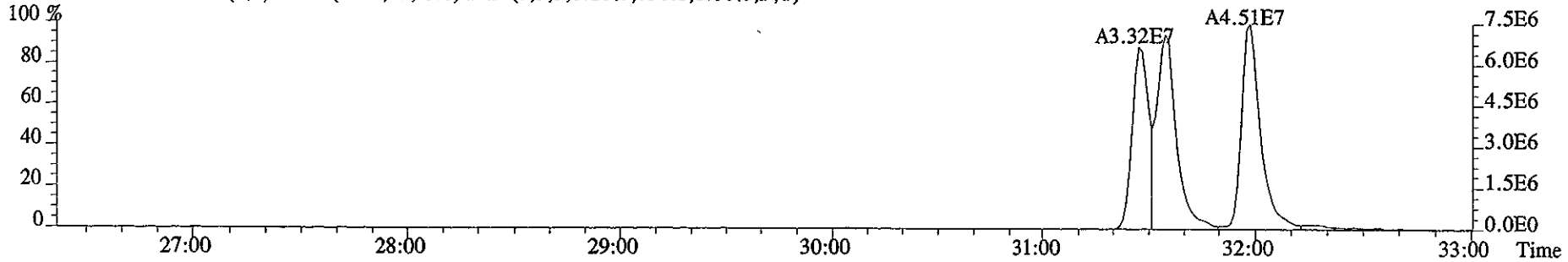
391.8127 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4064.0,1.00%,F,T)



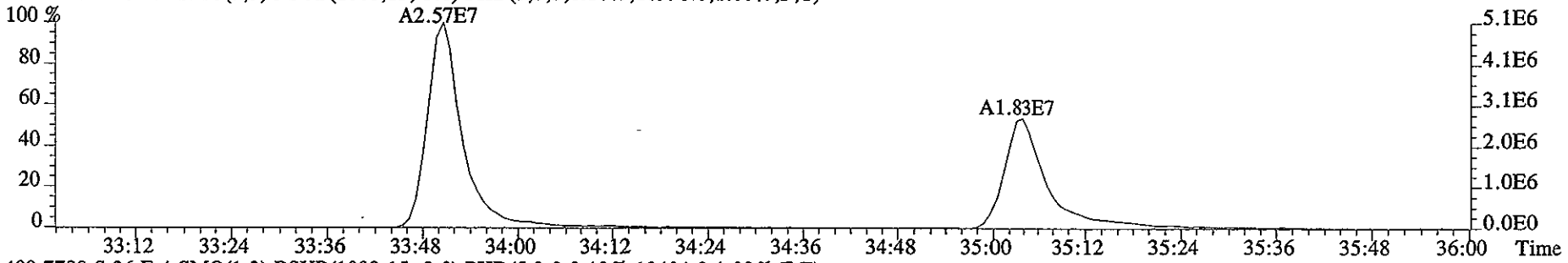
401.8559 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,476.0,1.00%,F,T)



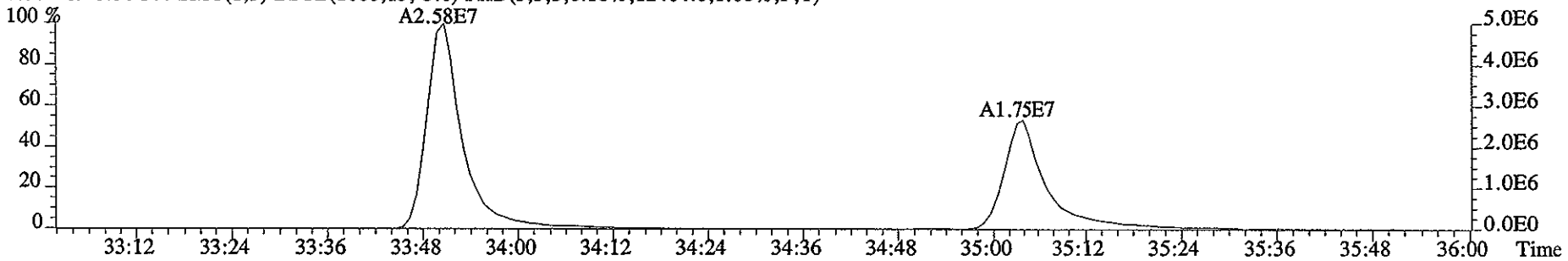
403.8529 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,796.0,1.00%,F,T)



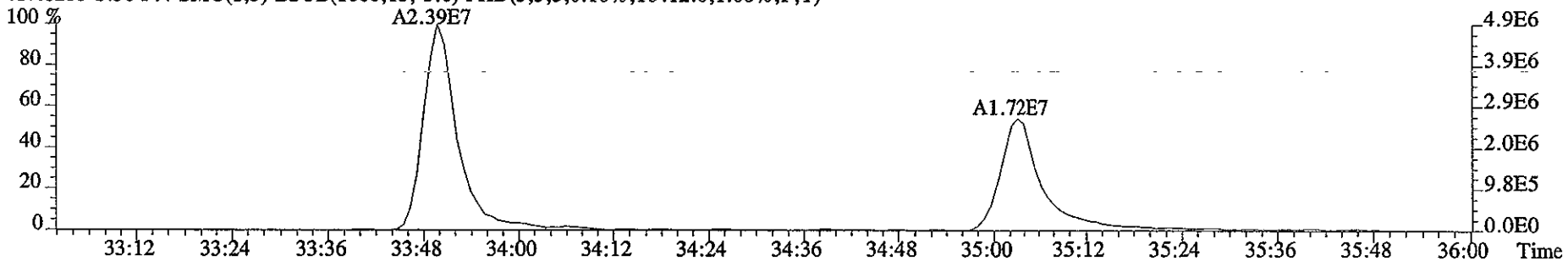
File:29AP101D5 #1-210 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10996.0,1.00%,F,T)



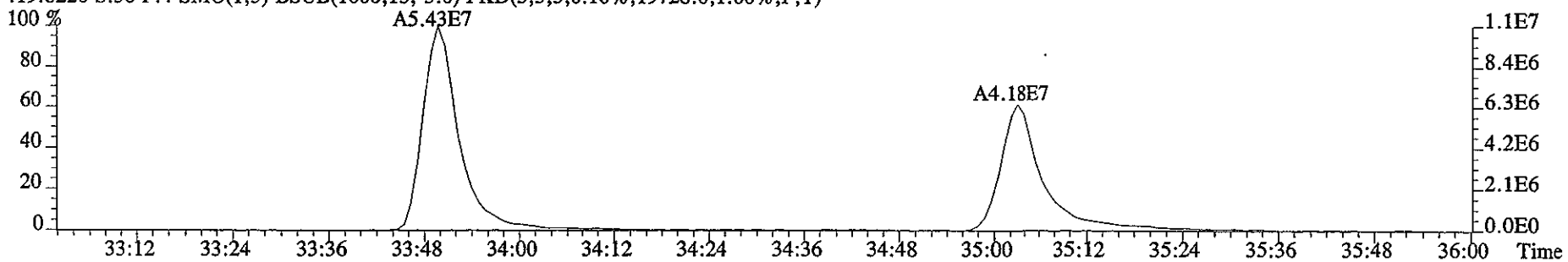
409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12404.0,1.00%,F,T)



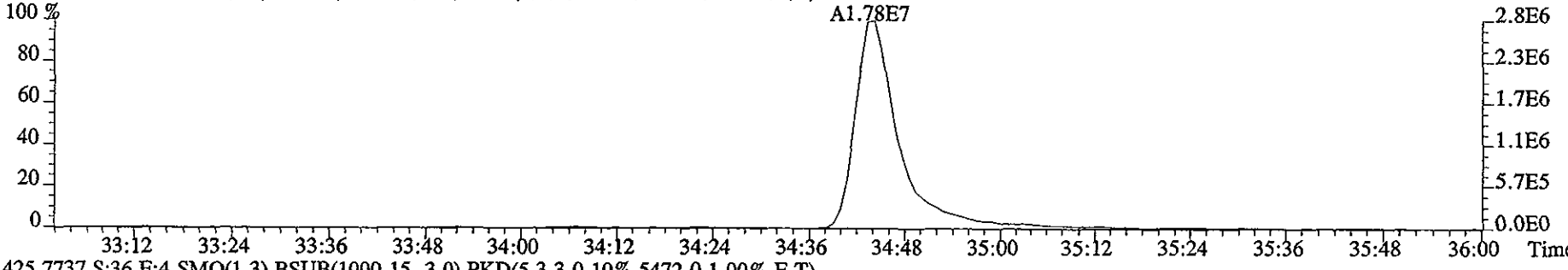
417.8253 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16412.0,1.00%,F,T)



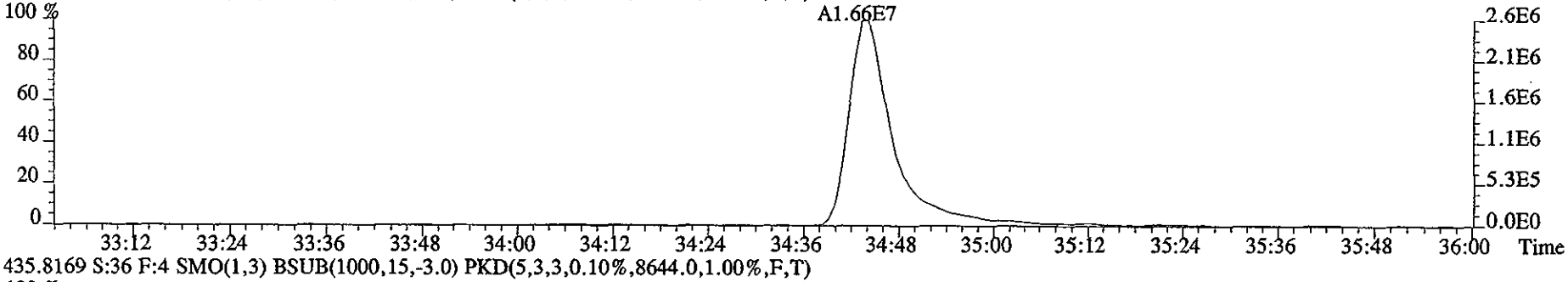
419.8220 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19728.0,1.00%,F,T)



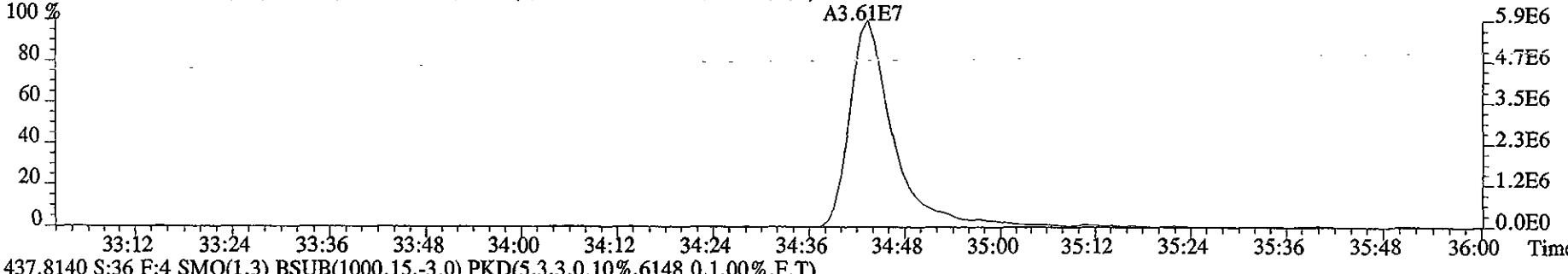
File:29AP101D5 #1-210 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
423.7766 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6464.0,1.00%,F,T)



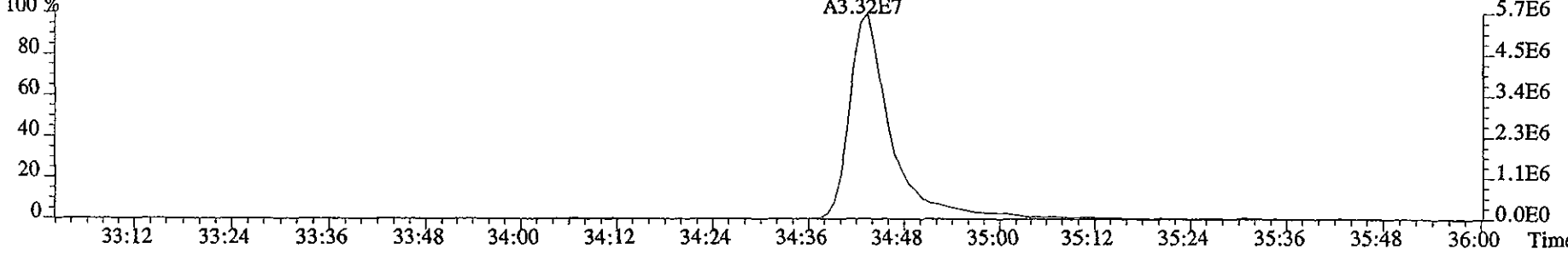
425.7737 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5472.0,1.00%,F,T)



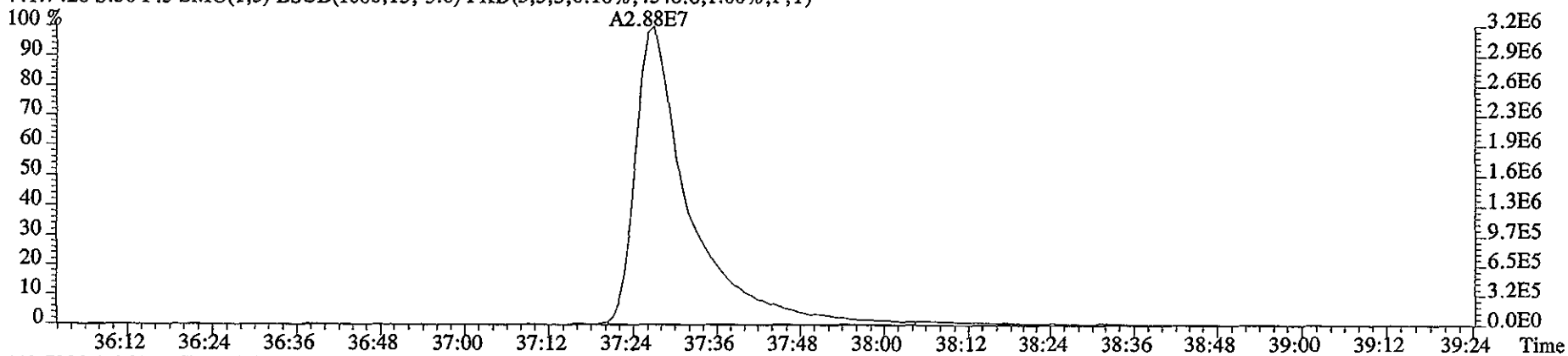
435.8169 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8644.0,1.00%,F,T)



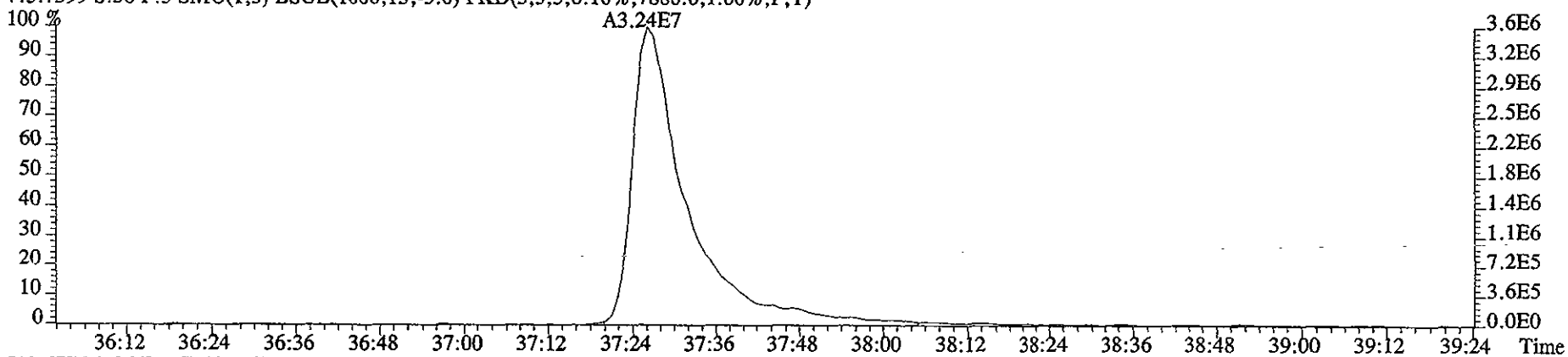
437.8140 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6148.0,1.00%,F,T)



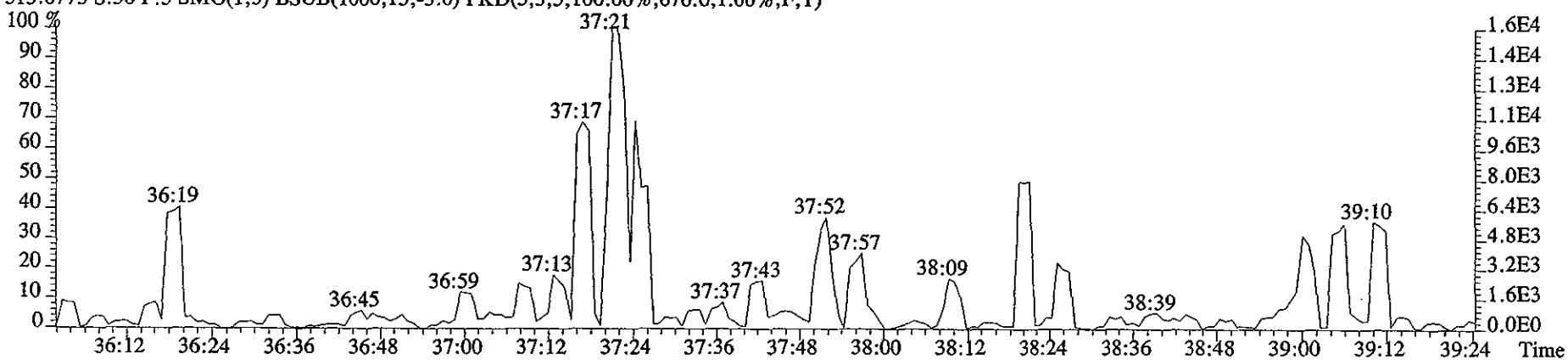
File:29AP101D5 #1-244 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
441.7428 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)



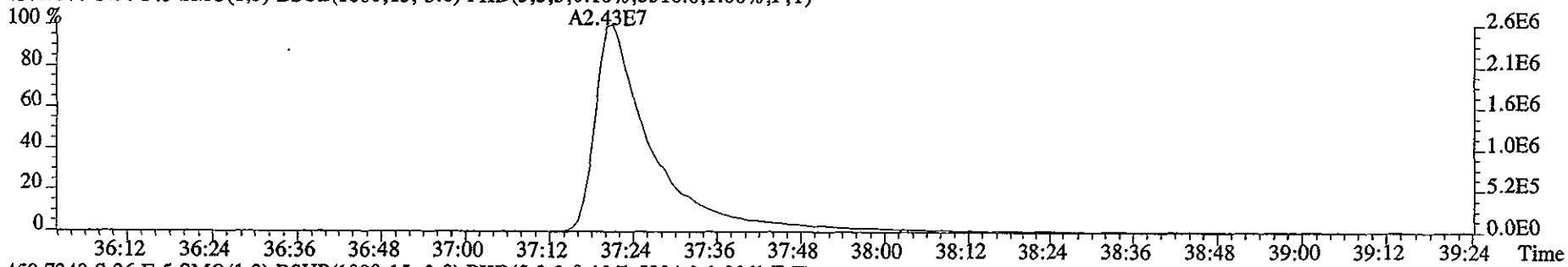
443.7399 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7888.0,1.00%,F,T)



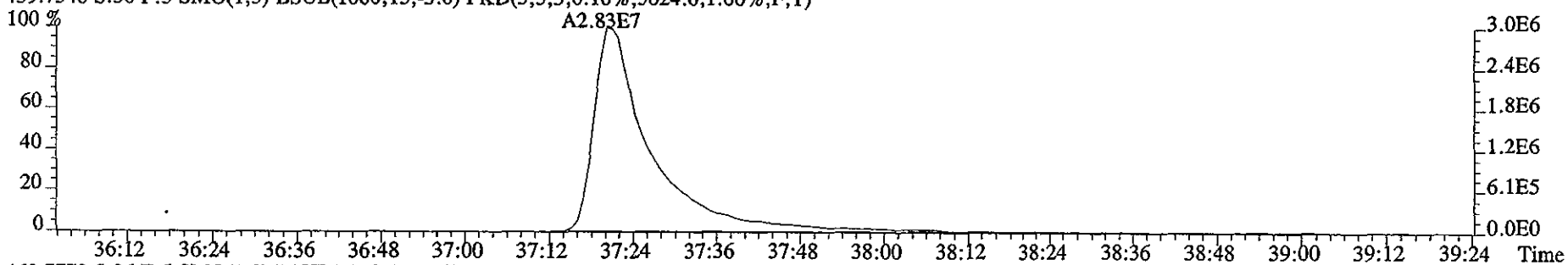
513.6775 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,676.0,1.00%,F,T)



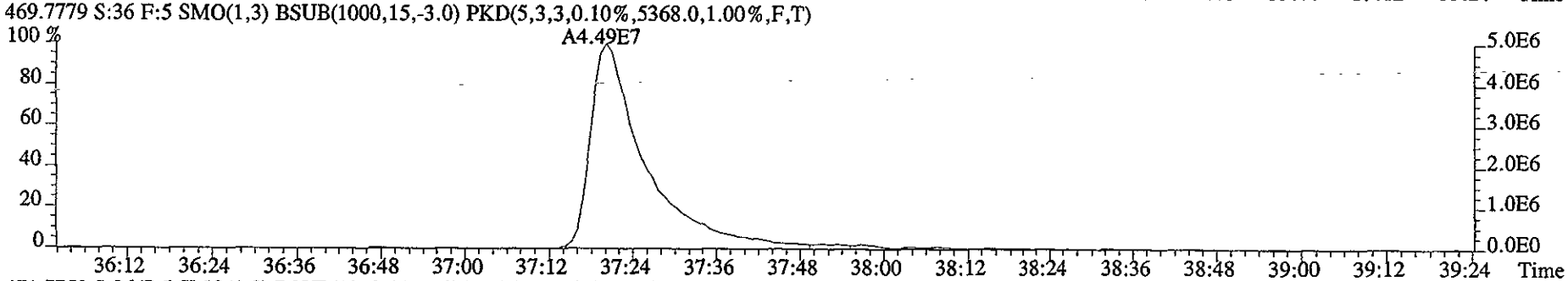
File:29AP101D5 #1-244 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
457.7377 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5516.0,1.00%,F,T)



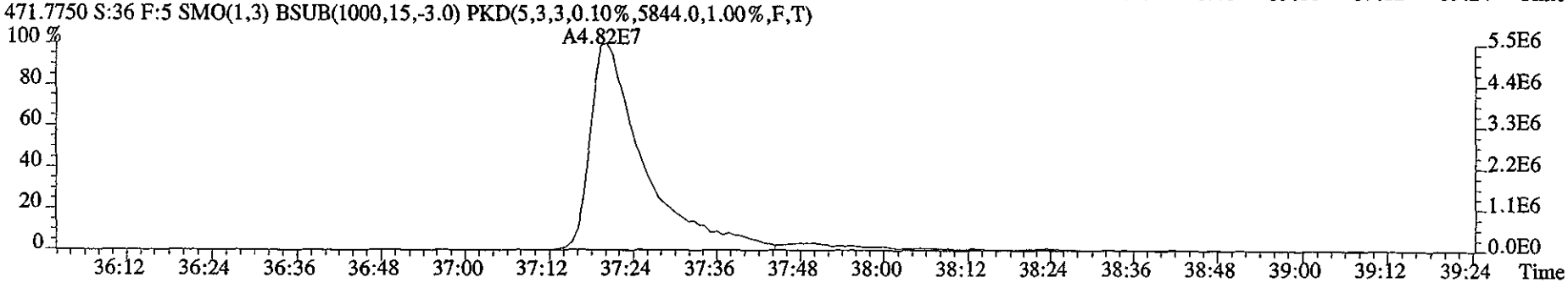
459.7348 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5024.0,1.00%,F,T)



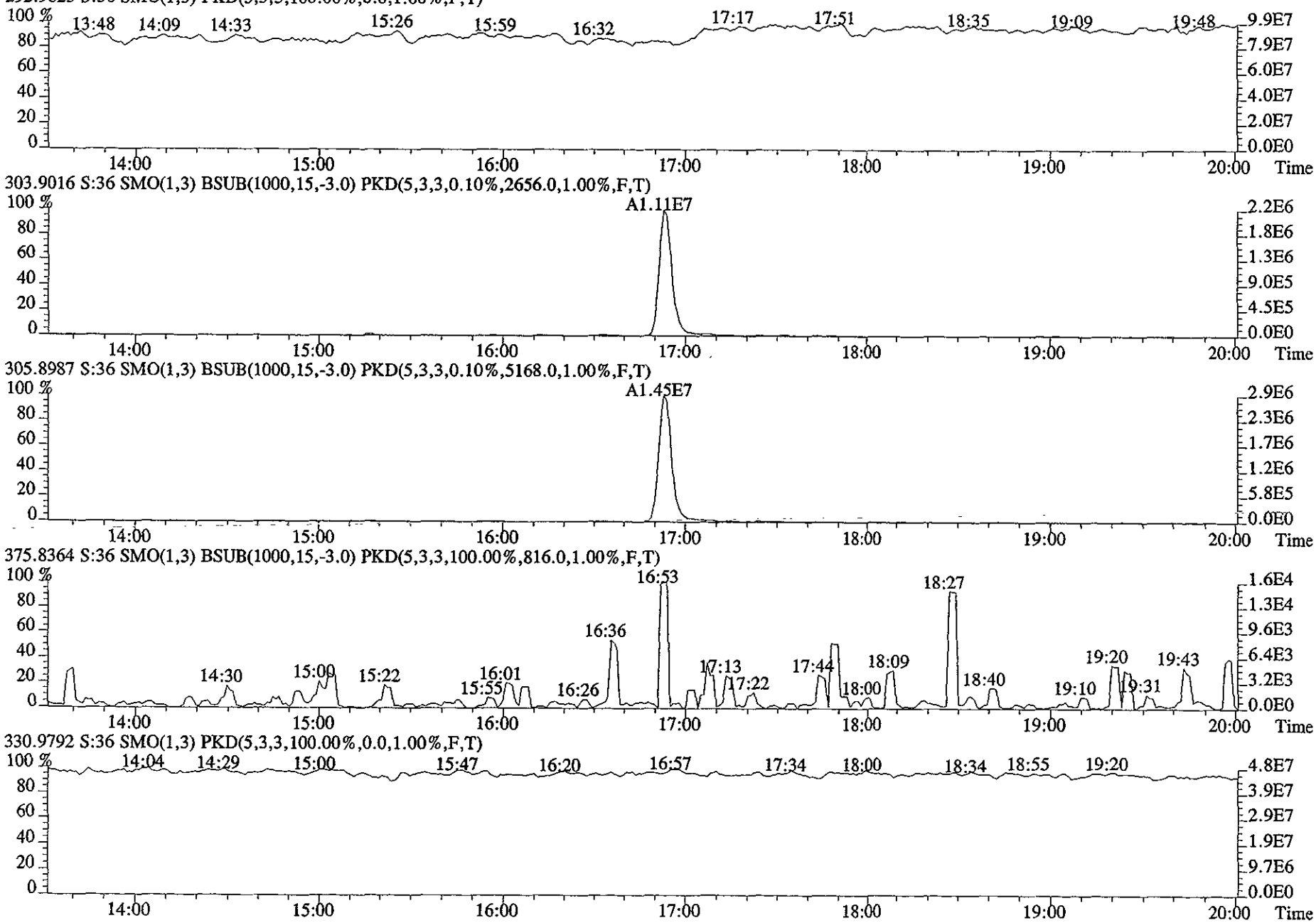
469.7779 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5368.0,1.00%,F,T)



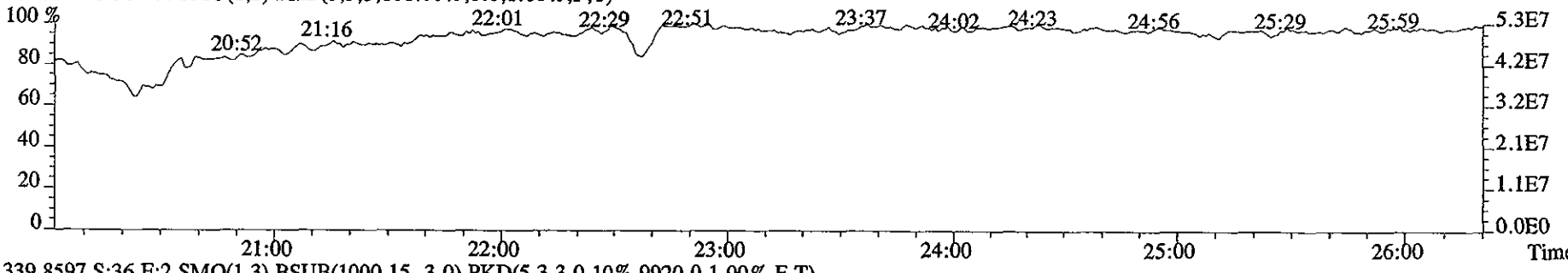
471.7750 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5844.0,1.00%,F,T)

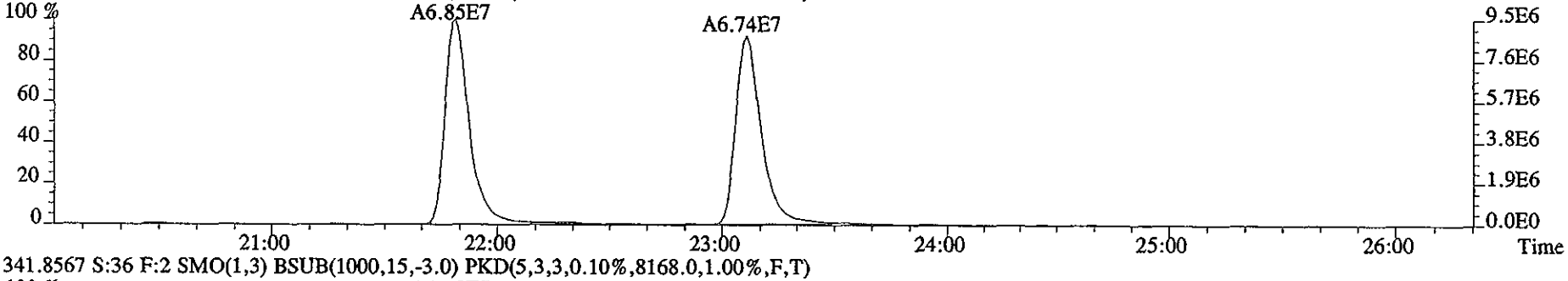


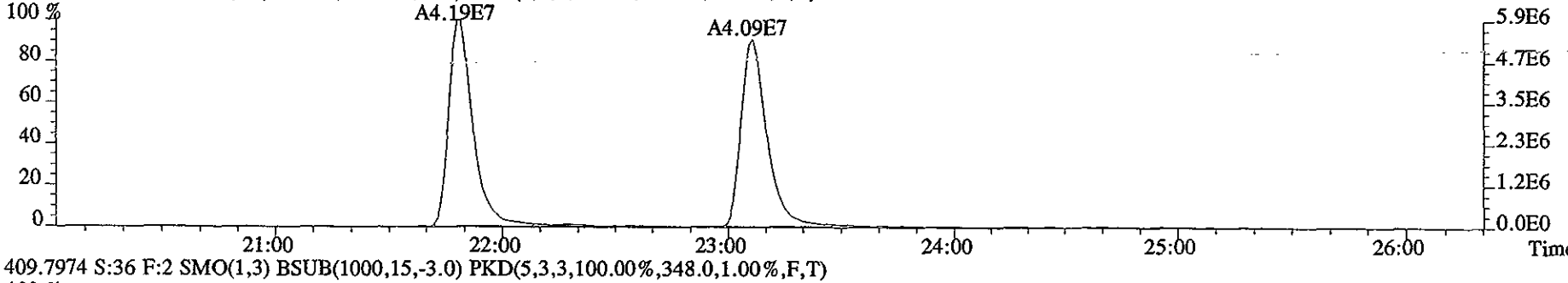
File:29AP101D5 #1-384 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES

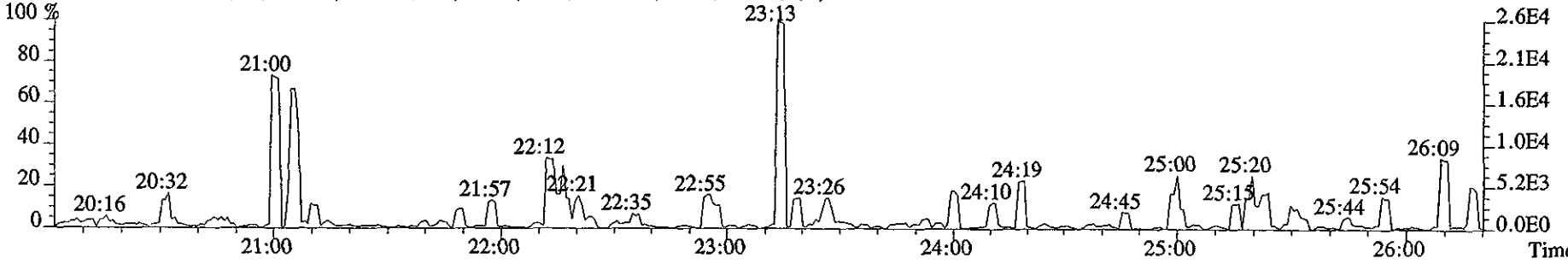


File:29AP101D5 #1-444 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES



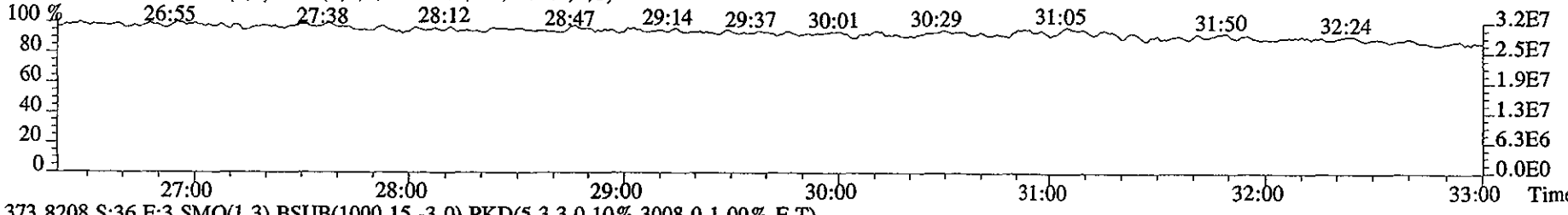




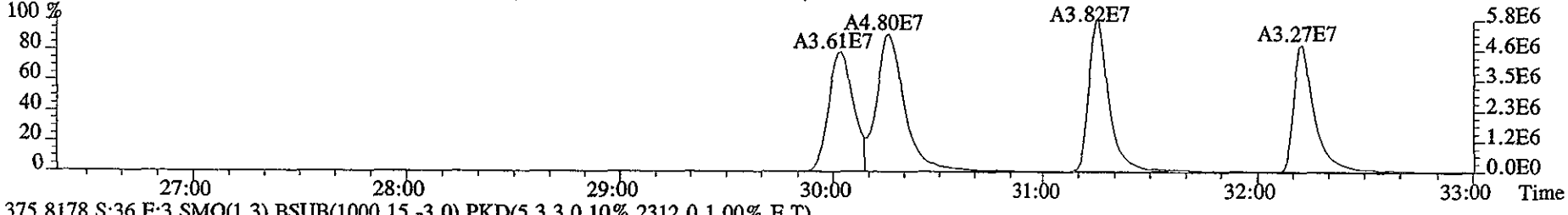


File:29AP101D5 #1-447 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES

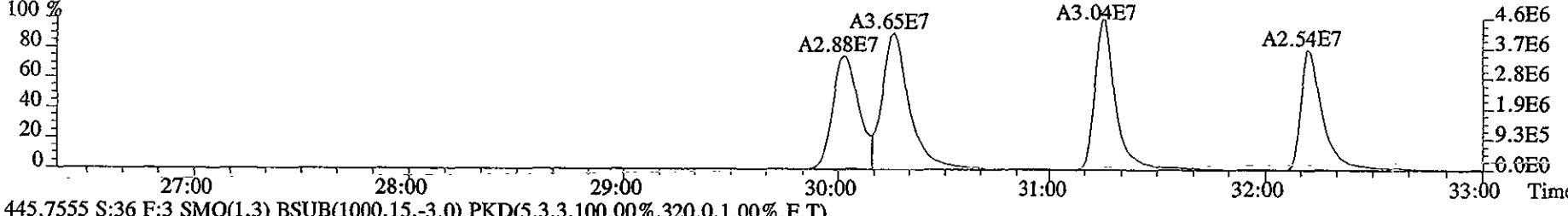
392.9760 S:36 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



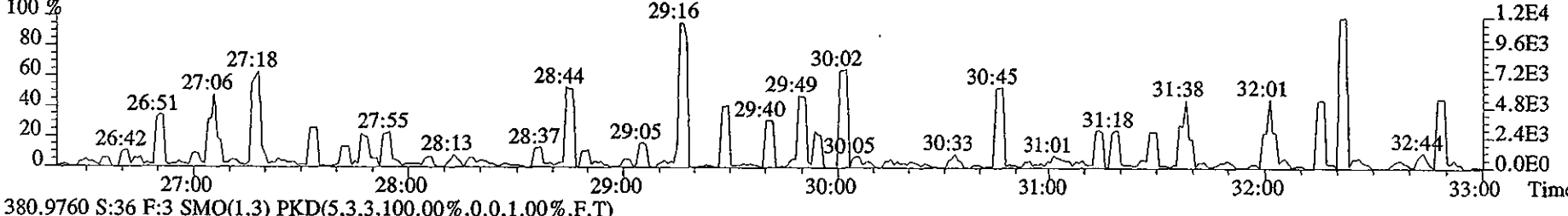
373.8208 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3008.0,1.00%,F,T)



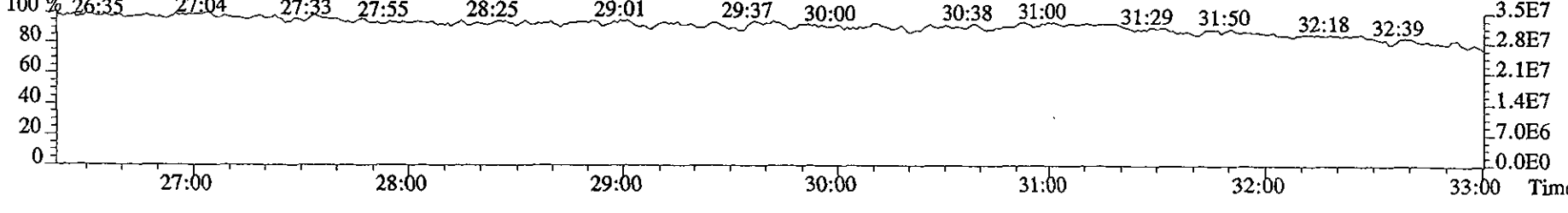
375.8178 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2312.0,1.00%,F,T)



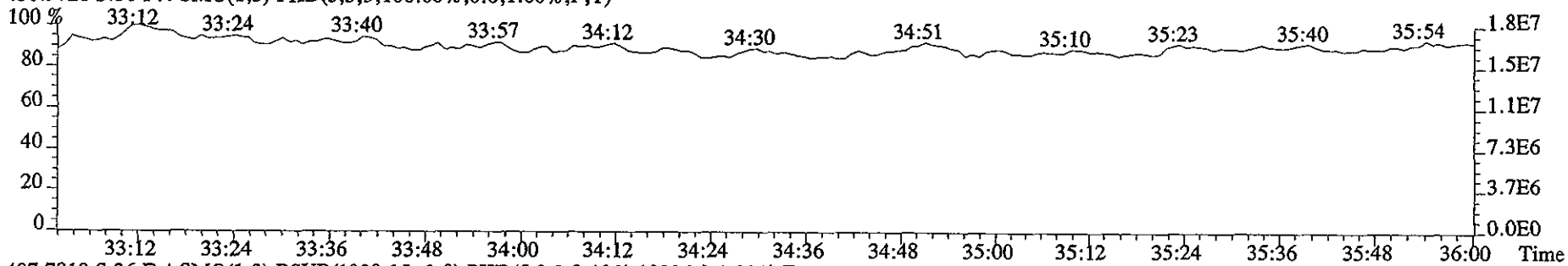
445.7555 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,320.0,1.00%,F,T)



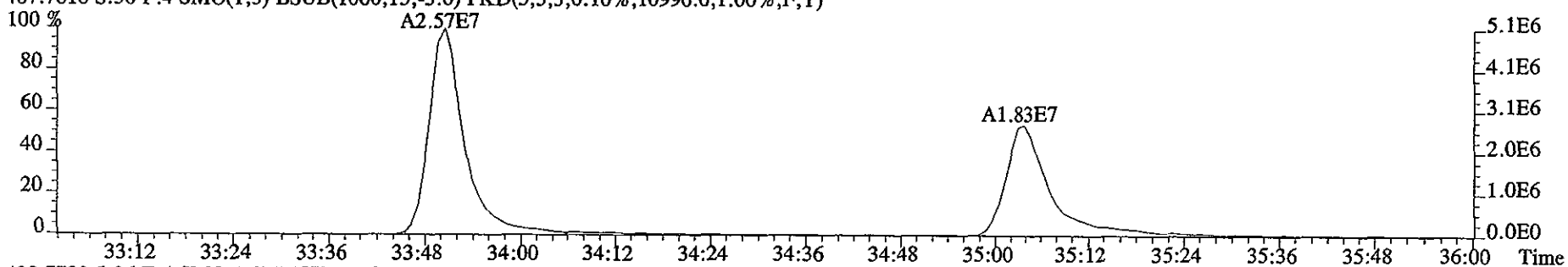
380.9760 S:36 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



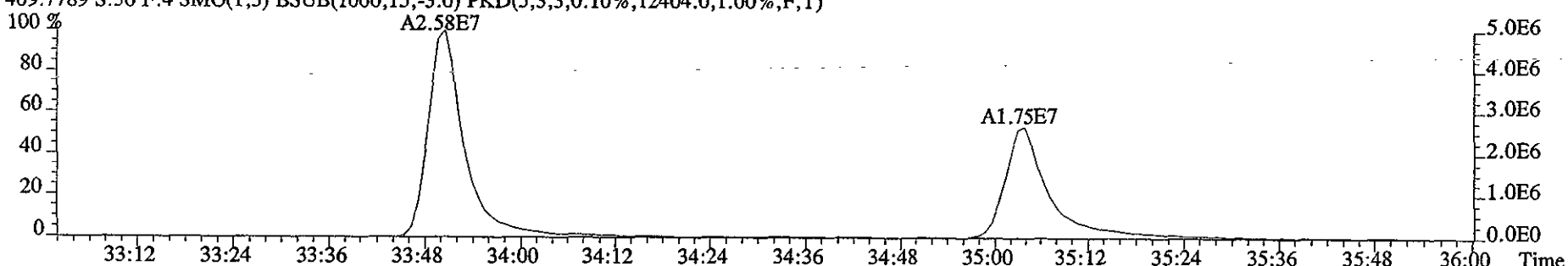
File:29AP101D5 #1-210 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
430.9728 S:36 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



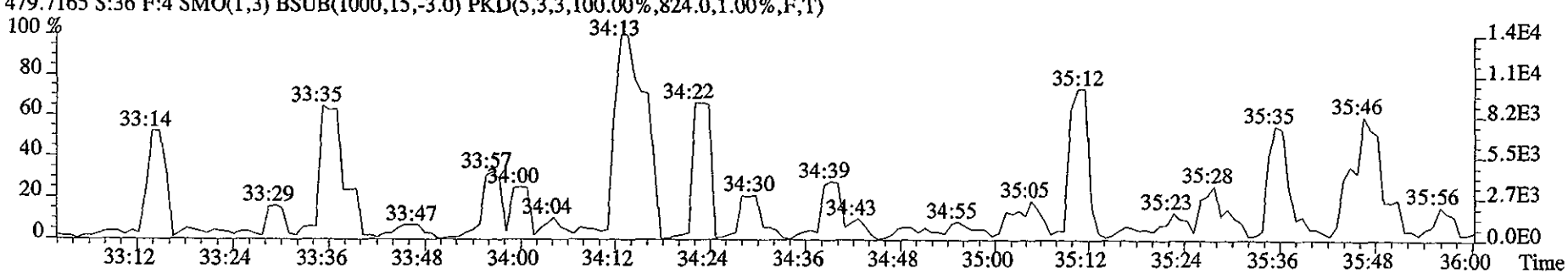
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10996.0,1.00%,F,T)



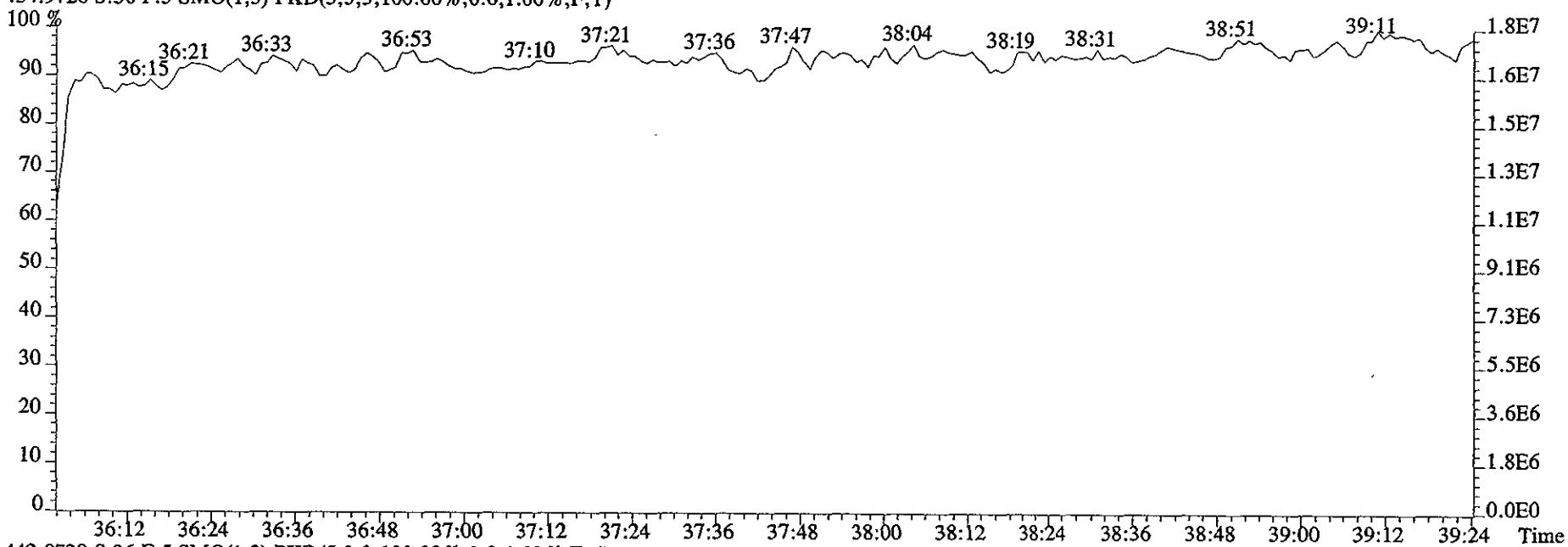
409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12404.0,1.00%,F,T)



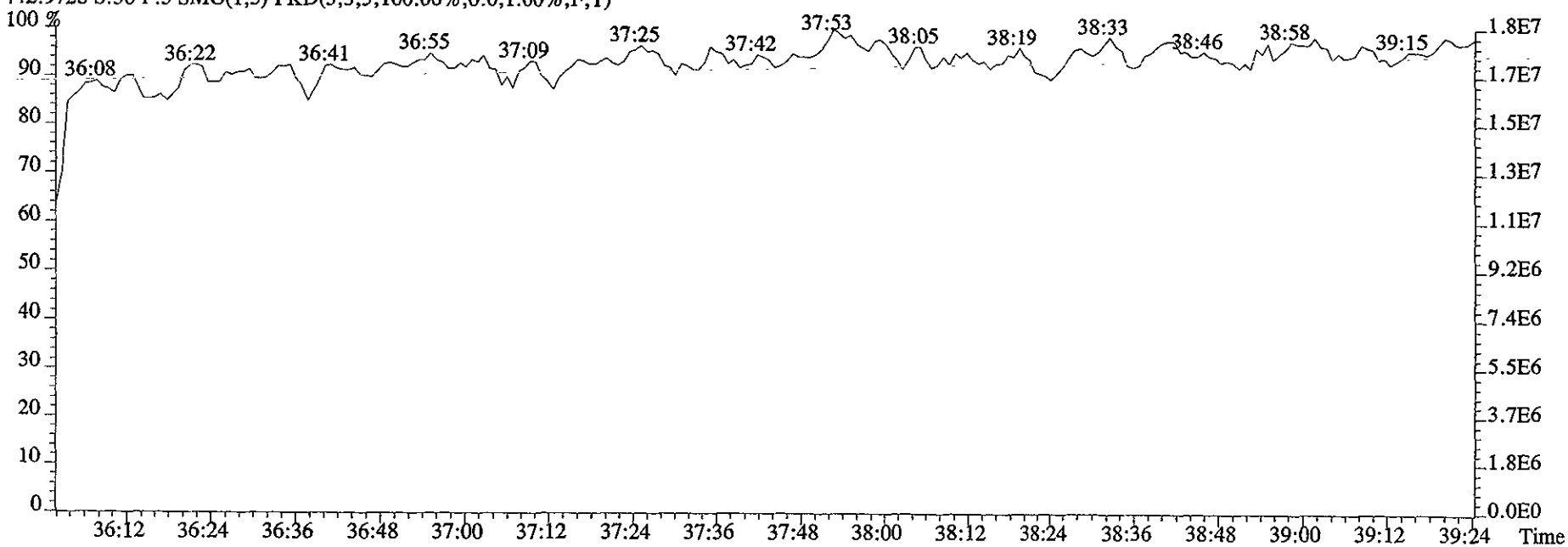
479.7165 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,824.0,1.00%,F,T)



File:29AP101D5 #1-244 Acq:30-APR-2010 11:11:07 GC EI+ Voltage SIR 70SE
Sample#36 Text:ST0429D :CS3 10DXN111 Exp:DIOXINRES
454.9728 S:36 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:36 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica THE LEADER IN ENVIRONMENTAL TESTING	Test America – West Sacramento Daily Calibration Checklist Dioxin Methods

Method ID DB225 (8290) **Associated ICAL** DB2250421105D2

Column ID DB225 **Instrument ID** 5D2

STD ID ST0511, ST0511A **STD Solution** ~~10DXNHT~~ 5/12/10 10DXN023

Analyzed by KSS **Date Analyzed** 05-11-10

Std. Pkg. By AD **Date Std. Pkg. Assembled** 05-12-10

Std. Pkg. Reviewed By KSS **Date Std. Pkg. Reviewed** 05-12-10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.

Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.

Method 23: See Method 23 Daily Standard Criteria, Table 5.

Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet

Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

N:\Hires\Forms\QA-231 Dioxin Daily Std Checklist.doc QA-231 8/10/09 DW

Run text: ST0511 File text: ST0511 :CS3 10DXN083
Run #7 Filename 11MY10B5D2 S: 2 I: 1
Acquired: 11-MAY-10 11:05:37 Processed: 11-MAY-10 13:06:34
Run: 11MY10B5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 11MY10B5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	116533500	0.75 y	15:00	-	100.00	-	n
13C-2,3,7,8-TCDF	193175400	0.81 y	16:11	1.66	100.00	-21.3	n
2,3,7,8-TCDF	17619800	0.78 y	16:13	0.91	10.00	-16.2	n
13C-2,3,7,8-TCDD	113867100	0.76 y	14:45	0.98	100.00	3.0	n
2,3,7,8-TCDD	13959940	0.82 y	14:46	1.23	10.00	-9.7	n
37Cl-2,3,7,8-TCDD	25409200	1.00 y	14:46	2.18	10.00	-4.3	n

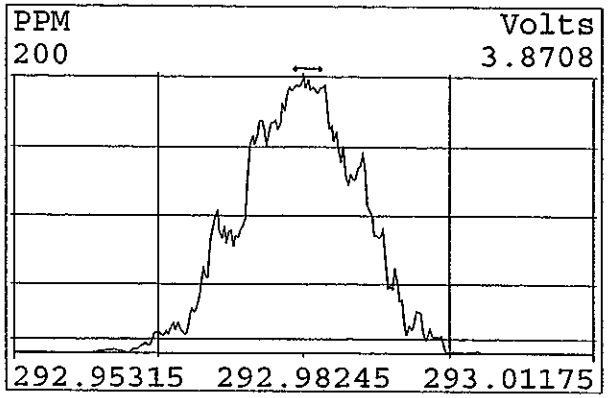
Run text: ST0511A File text: ST0511A :CS3 10DXN083
Run #16 Filename 11MY10B5D2 S: 13 I: 1
Acquired: 11-MAY-10 17:53:26 Processed: 11-MAY-10 18:34:09
Run: 11MY10B5D2 Analyte: DB225 Cal: DB225042110 5D2 Results: 11MY10B5D2DB225

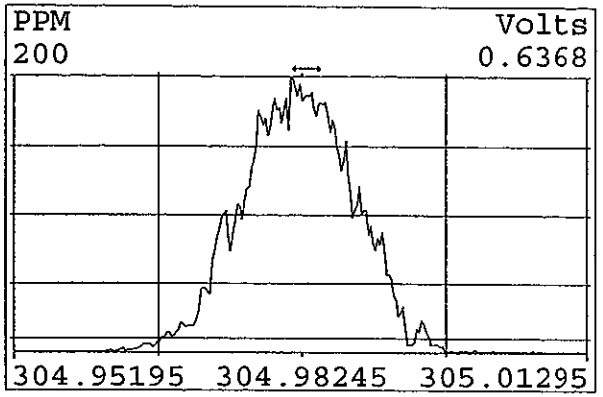
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	70023348	0.76 y	14:57	-	100.00	-	n
13C-2,3,7,8-TCDF	114957868	0.81 y	16:07	1.64	100.00	-22.1	n
2,3,7,8-TCDF	10034511	0.78 y	16:08	0.87	10.00	-19.8	n
13C-2,3,7,8-TCDD	66594984	0.71 y	14:41	0.95	100.00	0.3	n
2,3,7,8-TCDD	7985289	0.86 y	14:43	1.20	10.00	-11.7	n
37Cl-2,3,7,8-TCDD	15254370	1.00 y	14:43	2.18	10.00	-4.4	n

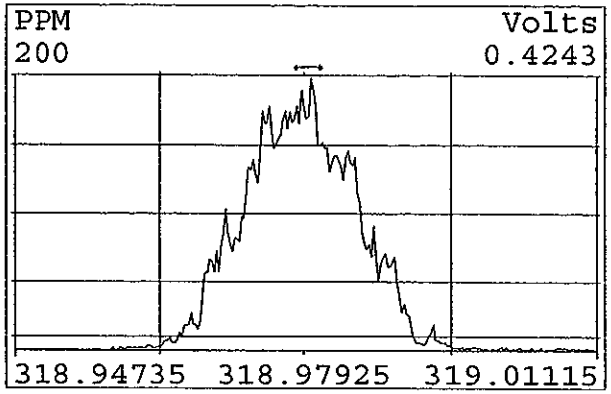
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
11MY10B5D2	1	CP0511	DB-225 CPSM 3732-06				1.000	
11MY10B5D2	2	ST0511	CS3 10DXN083				1.000	
11MY10B5D2	3	SB0511	Solvent Blank C-14				1.000	
11MY10B5D2	4	L0KHP-1-AC	F0D270433-1	20	8290/SOLID	94	10.105	g
11MY10B5D2	5	L0KH0-1-AC	F0D270433-2	20	8290/SOLID		10.060	g
11MY10B5D2	6	L0KH1-1-AC	F0D270433-3	20	8290/SOLID		10.175	g
11MY10B5D2	7	L0KH3-1-AC	F0D270433-4	20	8290/SOLID		10.260	g
11MY10B5D2	8	L0KH5-1-AC	F0D270433-5	20	8290/SOLID		10.000	g
11MY10B5D2	9	L0KH6-1-AC	F0D270433-6	20	8290/SOLID		10.050	g
11MY10B5D2	10	L0L2R-1-AA	G0D270569-1	20	8290/WATER	92	1.018	L
11MY10B5D2	11	LX5X6-1-AE	G0D170485-15RI [20X]	10	8290/SOLID	80	10.240	g
11MY10B5D2	12	SB0511A	Solvent Blank C-14				1.000	
11MY10B5D2	13	ST0511A	CS3 10DXN083				1.000	
11MY10B5D2	14						1.000	
11MY10B5D2	15						1.000	
11MY10B5D2	16		KSS, AS 05-11-10				1.000	

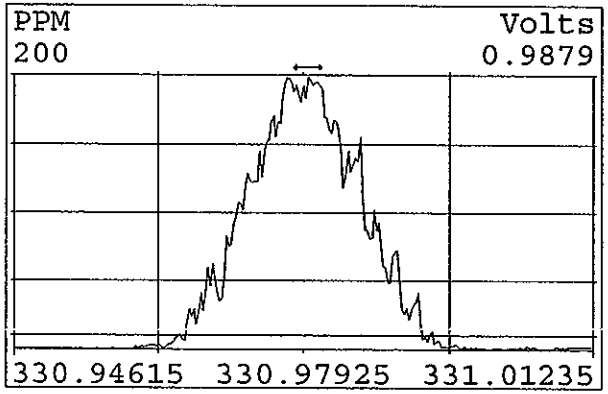
Logbk rvd
5/11/10 KSS

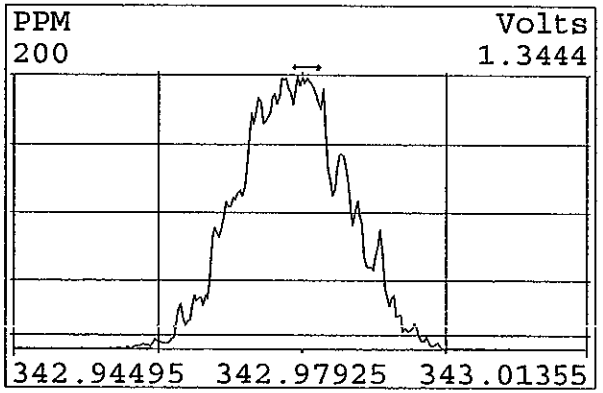
Peak Locate Examination:11-MAY-2010:10:27 File:11MY10B5D2
Experiment:DB225RES Function:1 Reference:PFK

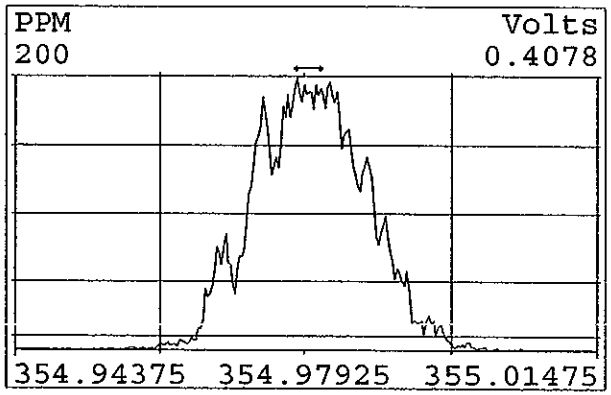


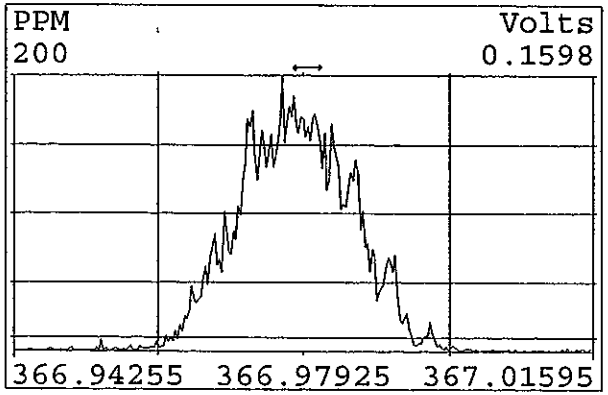


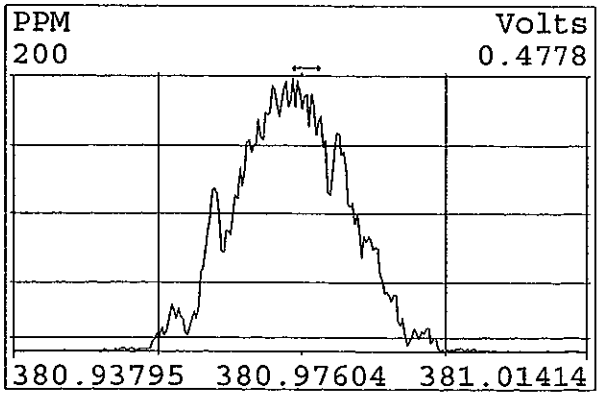




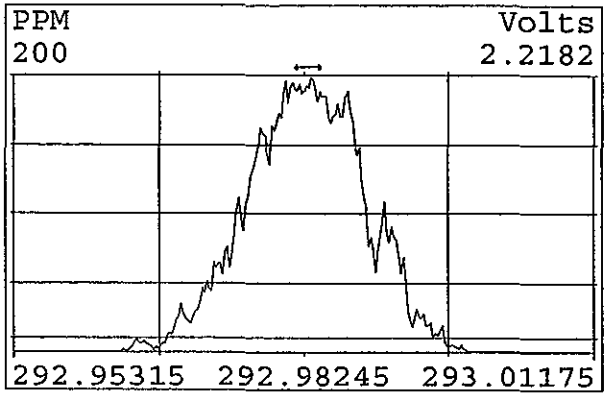


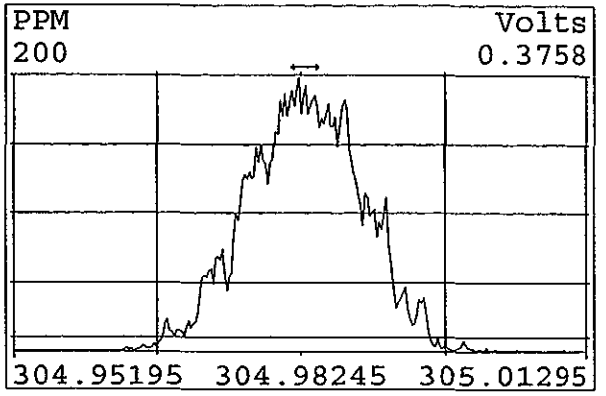


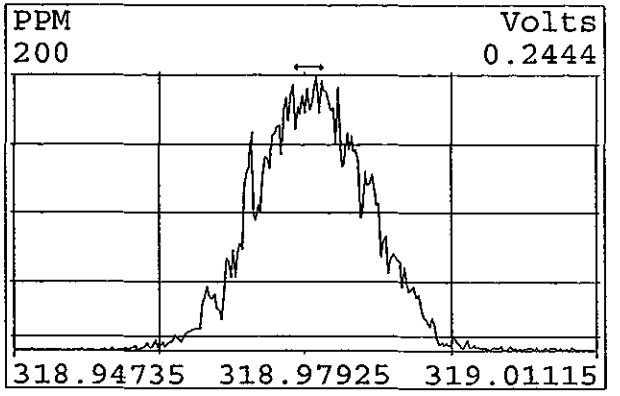


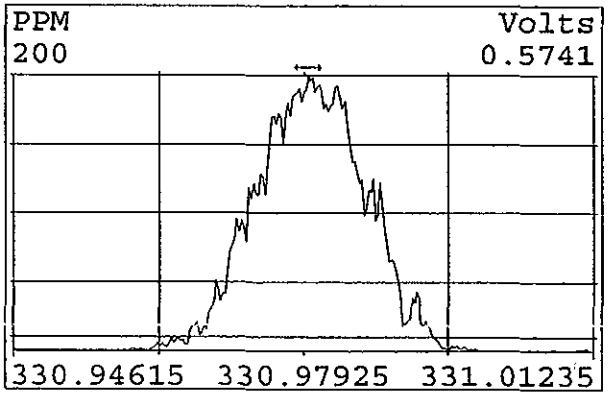


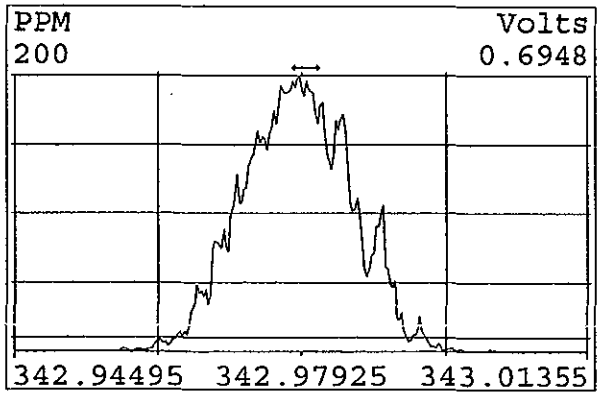
Peak Locate Examination:11-MAY-2010:18:51 File:RESCHK11MY10B5D2
Experiment:DB225RES Function:1 Reference:PFK

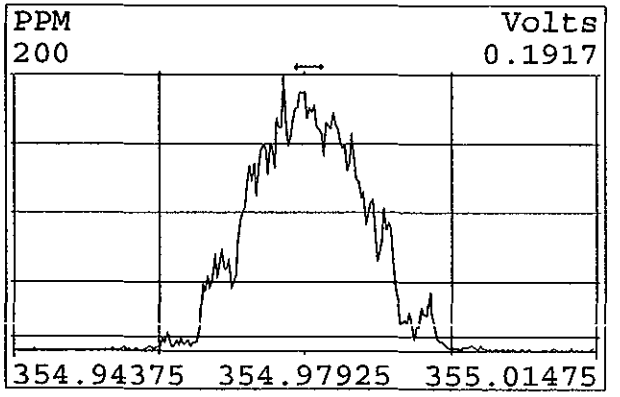


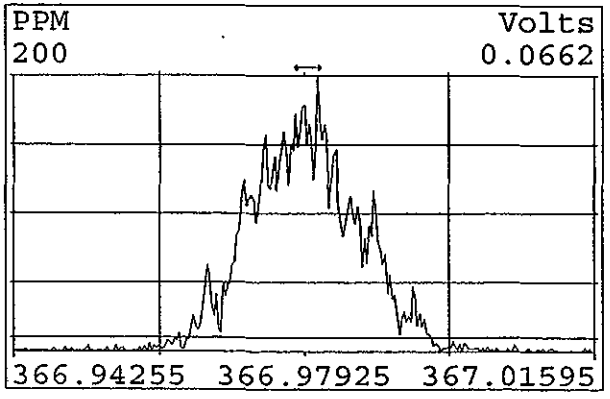


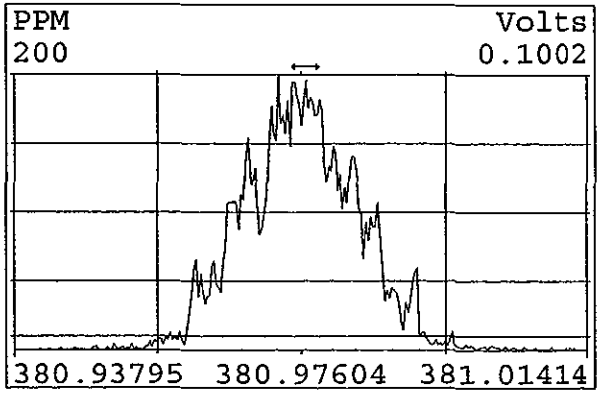


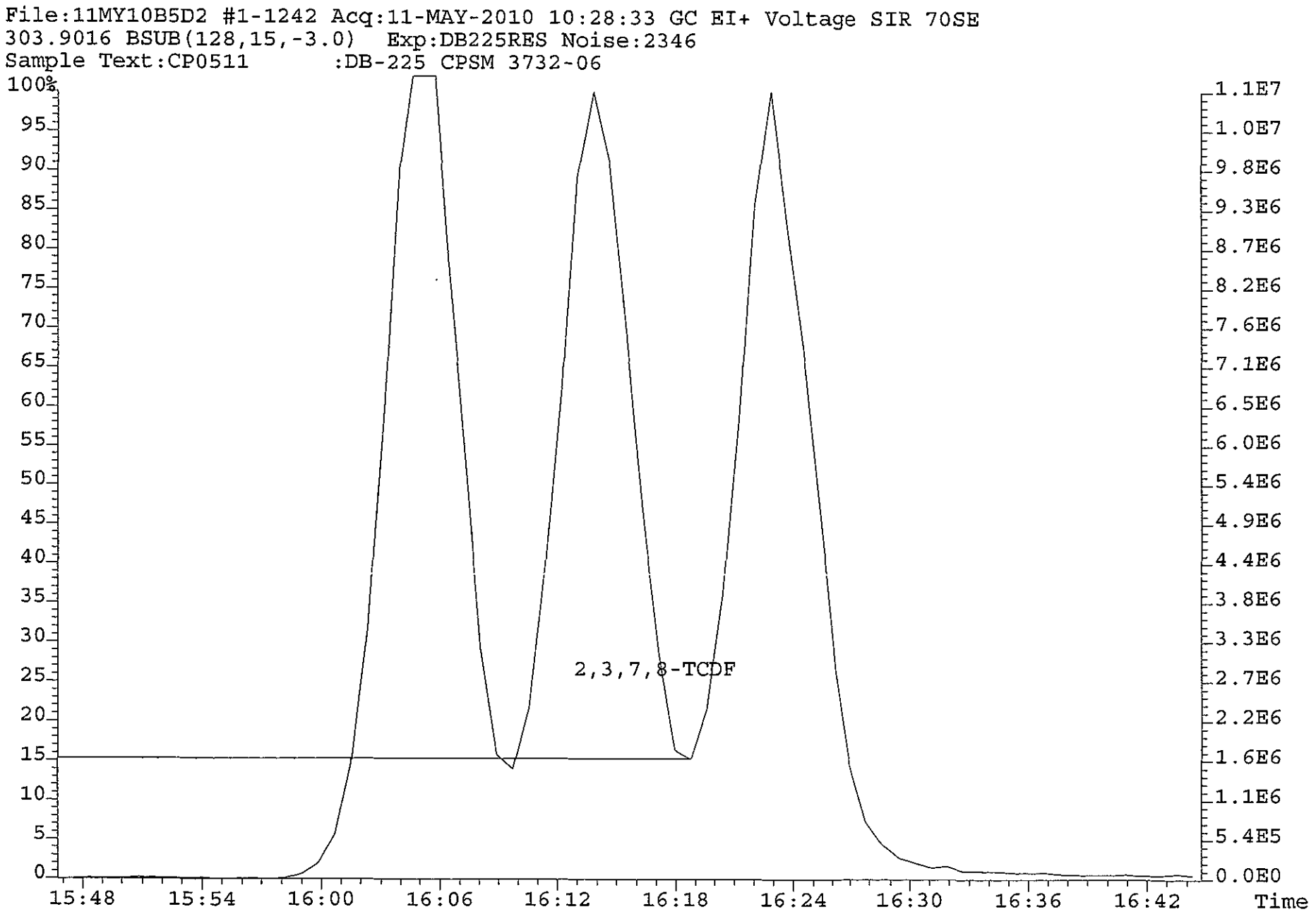










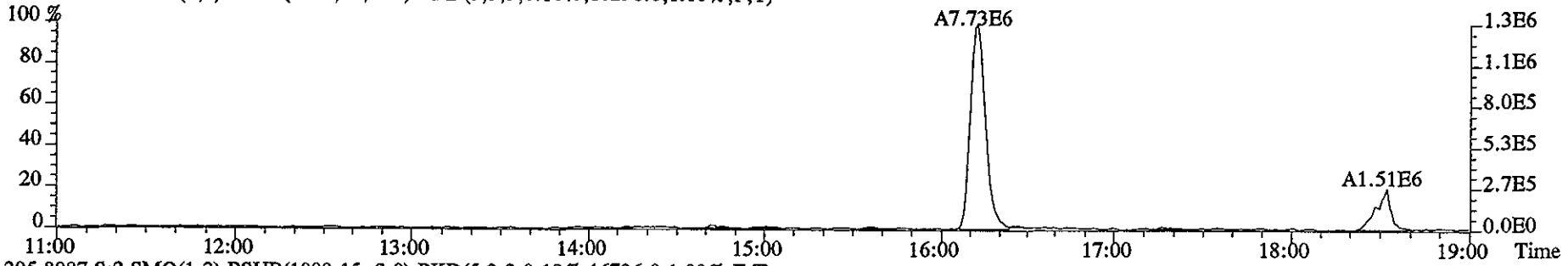


Run: 11MY10B5D2 Analyte: DB225HRS Cal: DB2250421105D2

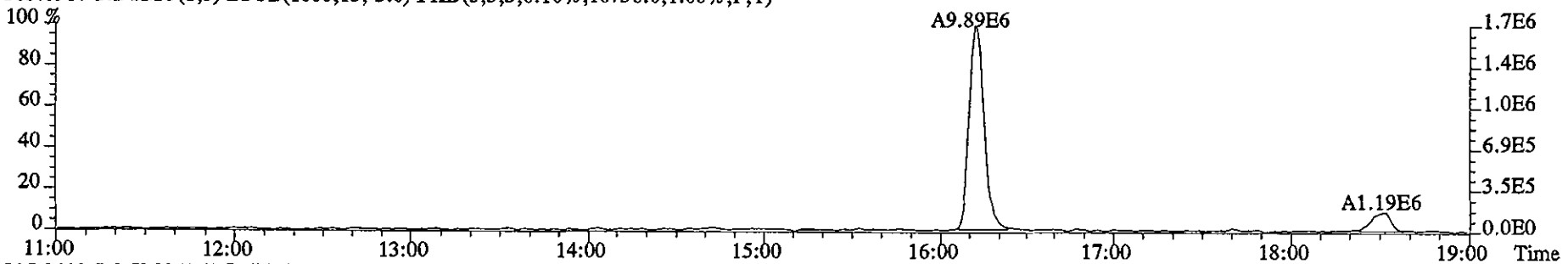
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

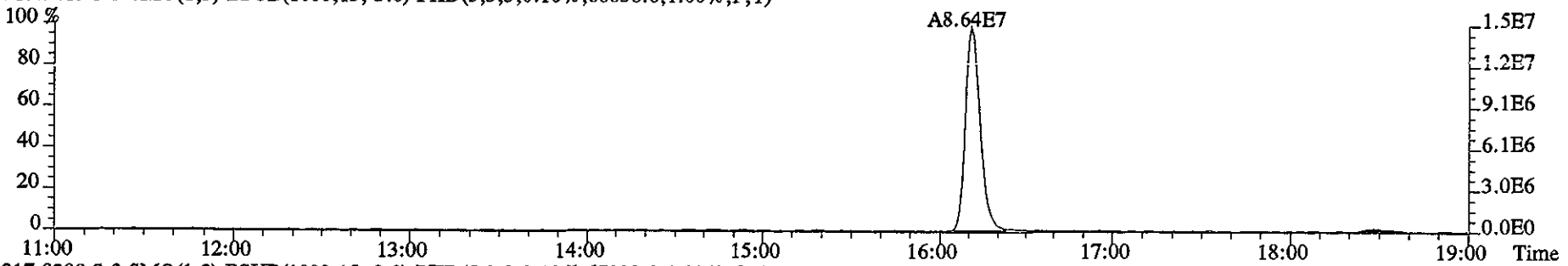
File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:05:37 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0511 :CS3 10DXN083 Exp:DB225RES
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10296.0,1.00%,F,T)



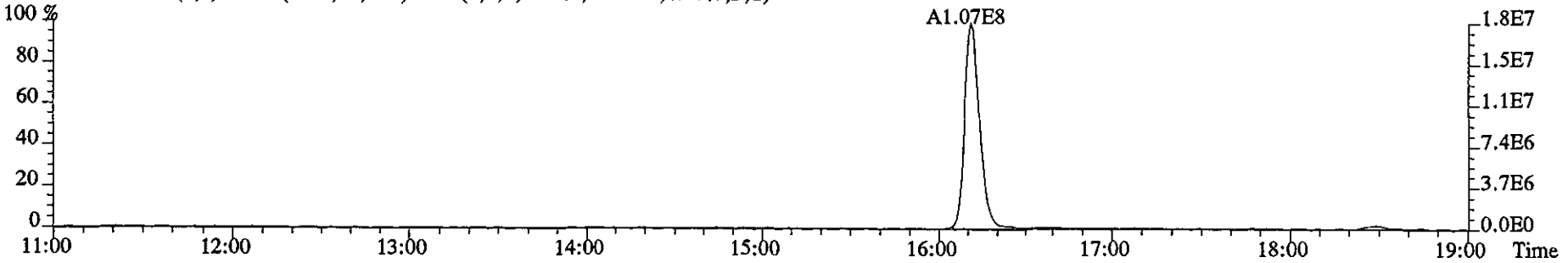
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16736.0,1.00%,F,T)



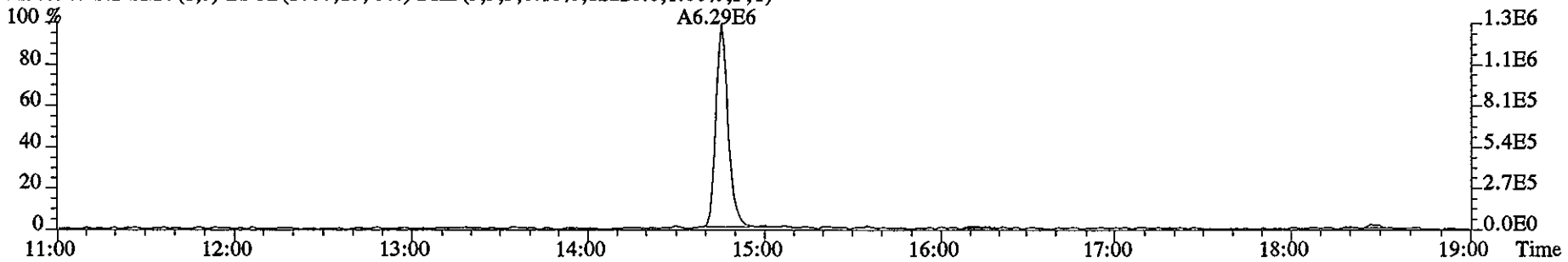
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,66656.0,1.00%,F,T)



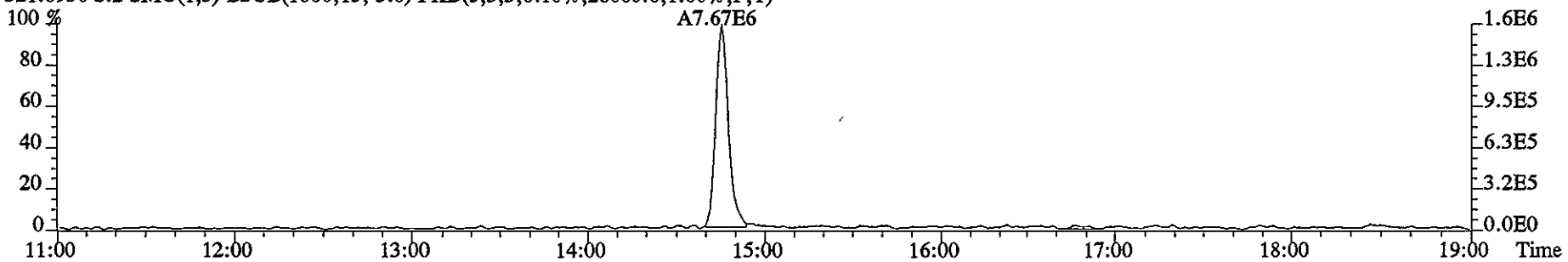
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57008.0,1.00%,F,T)



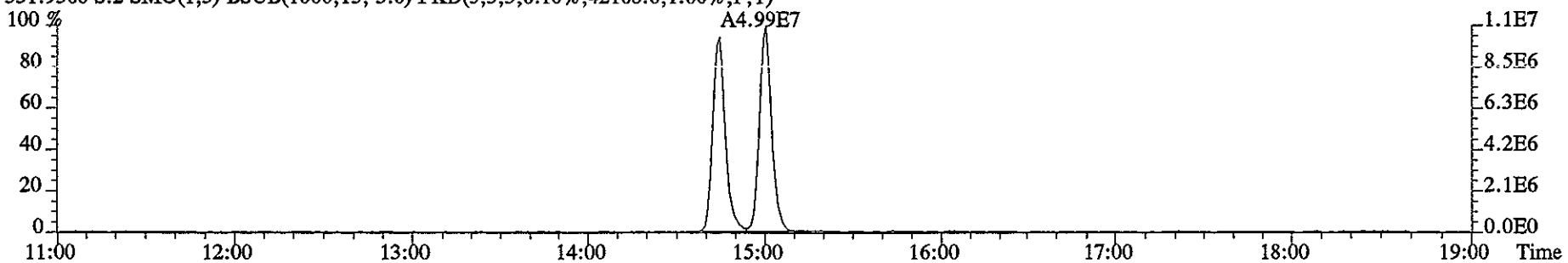
File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:05:37 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0511 :CS3 10DXN083 Exp:DB225RES
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12228.0,1.00%,F,T)



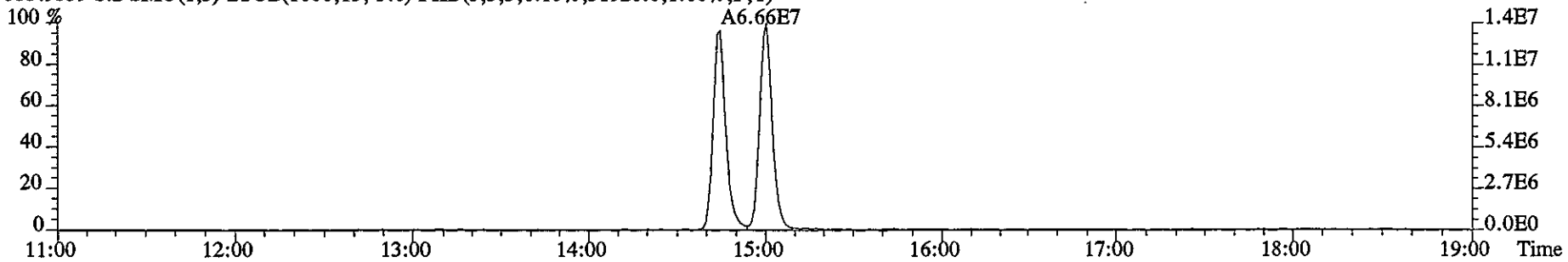
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26060.0,1.00%,F,T)



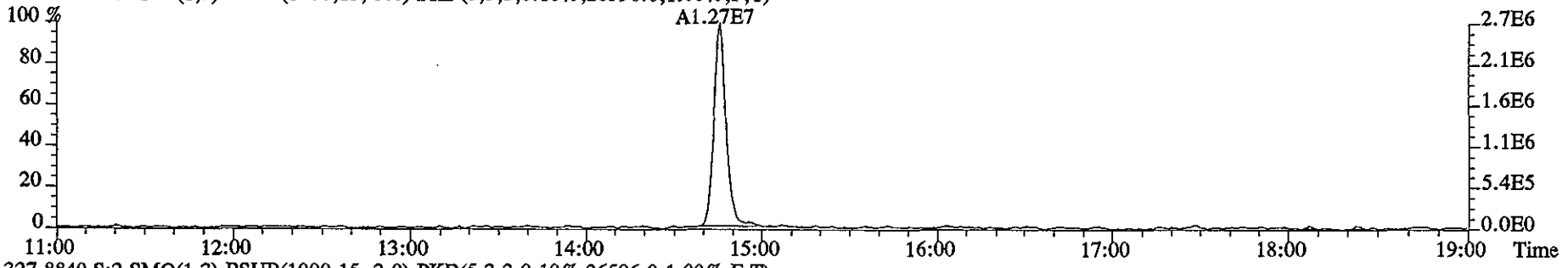
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42168.0,1.00%,F,T)



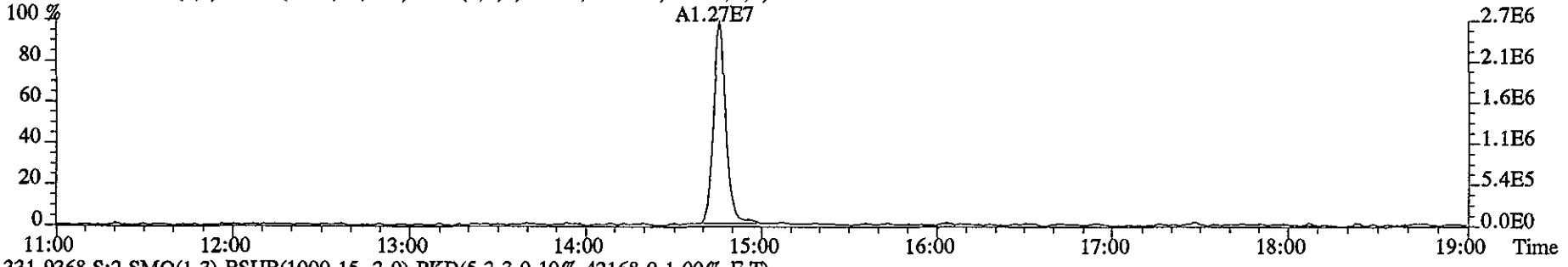
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31928.0,1.00%,F,T)



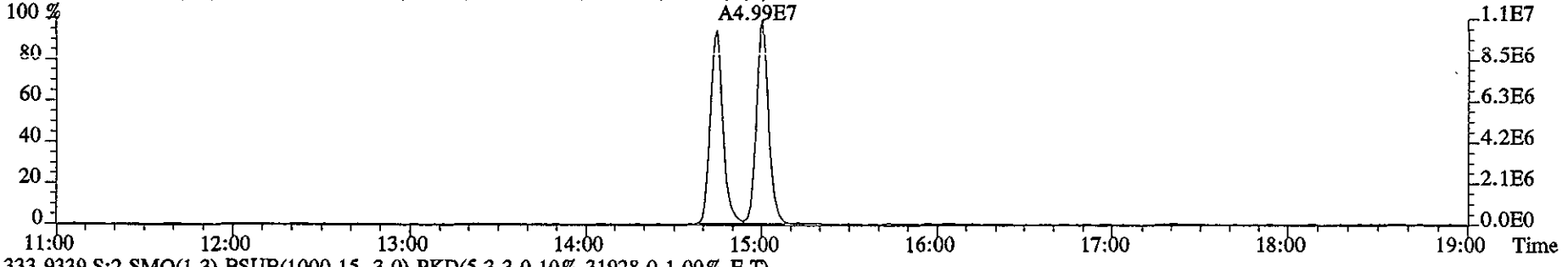
File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:05:37 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0511 :CS3 10DXN083 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26596.0,1.00%,F,T)



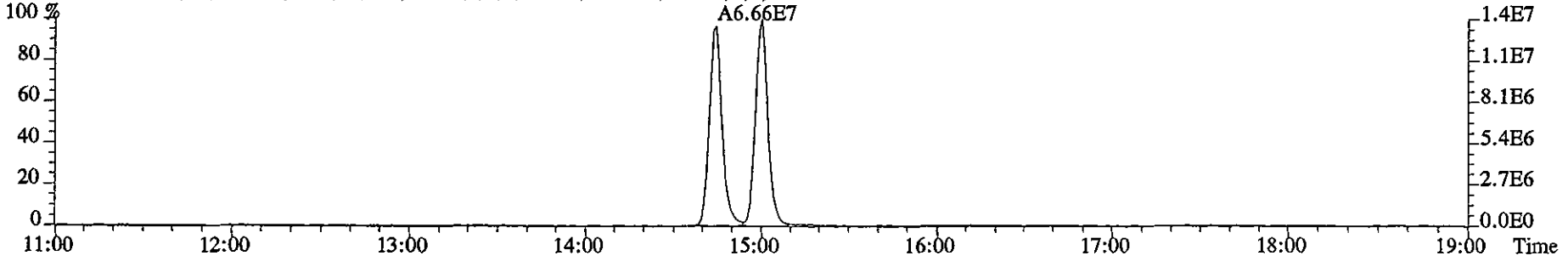
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26596.0,1.00%,F,T)



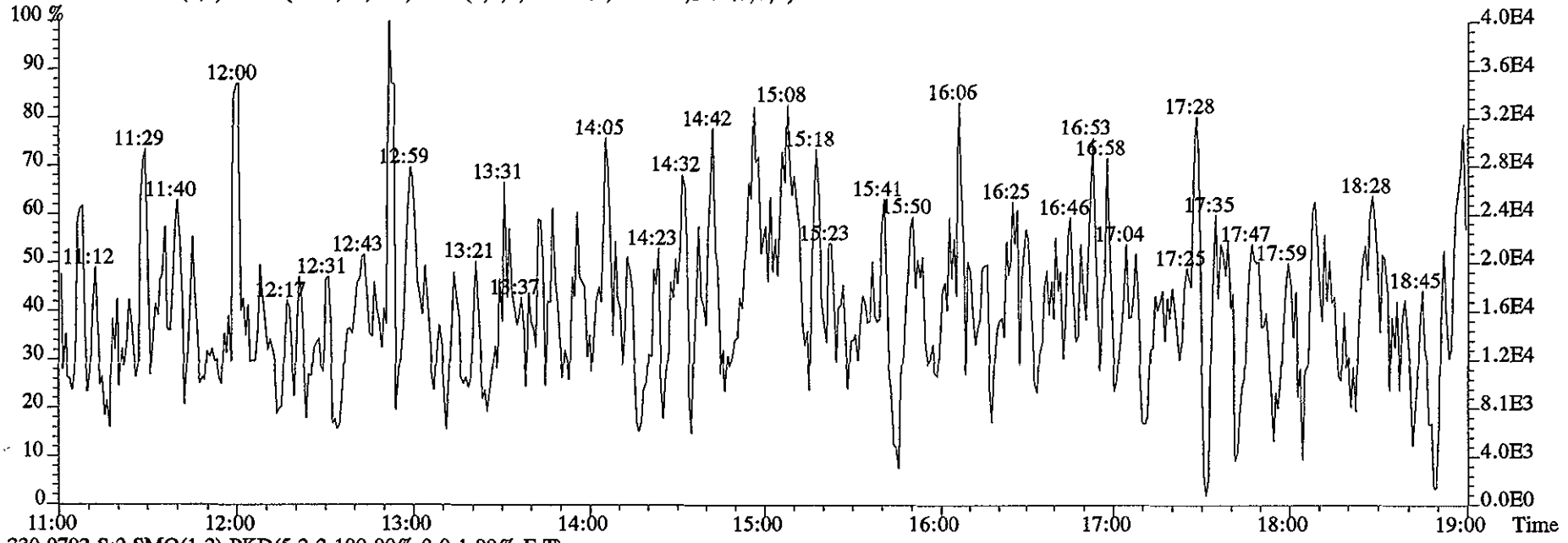
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42168.0,1.00%,F,T)



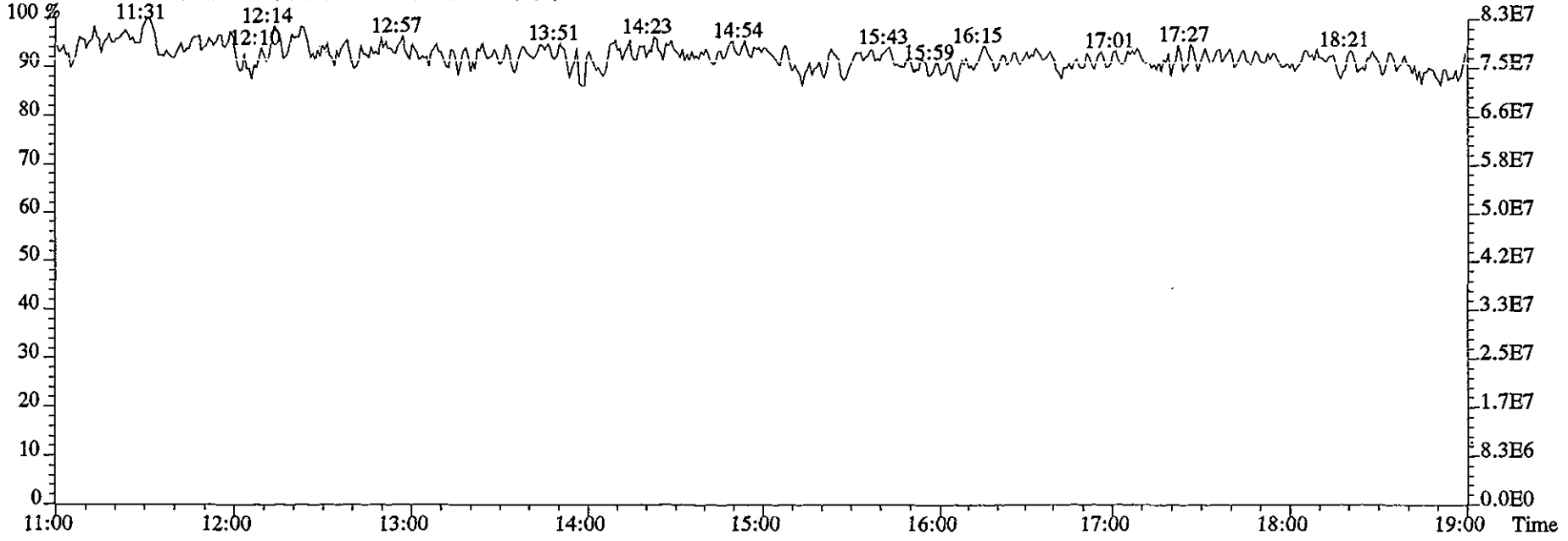
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31928.0,1.00%,F,T)



File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:05:37 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0511 :CS3 10DXN083 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,19500.0,1.00%,F,T)

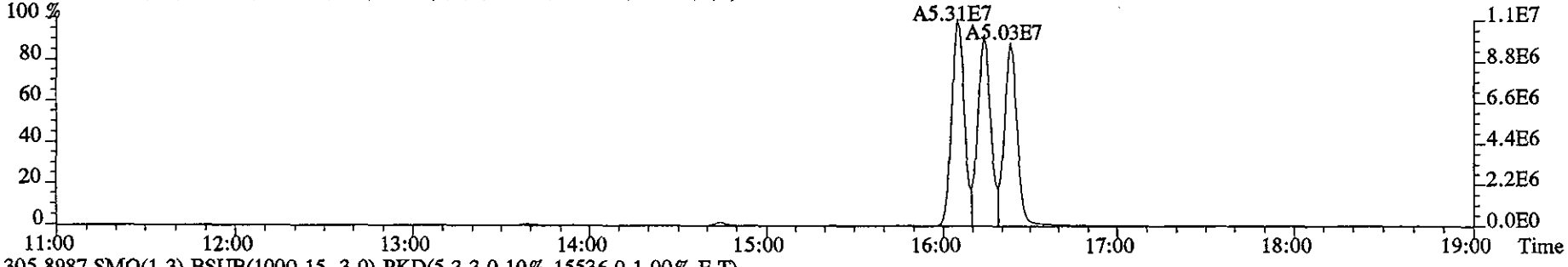


330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

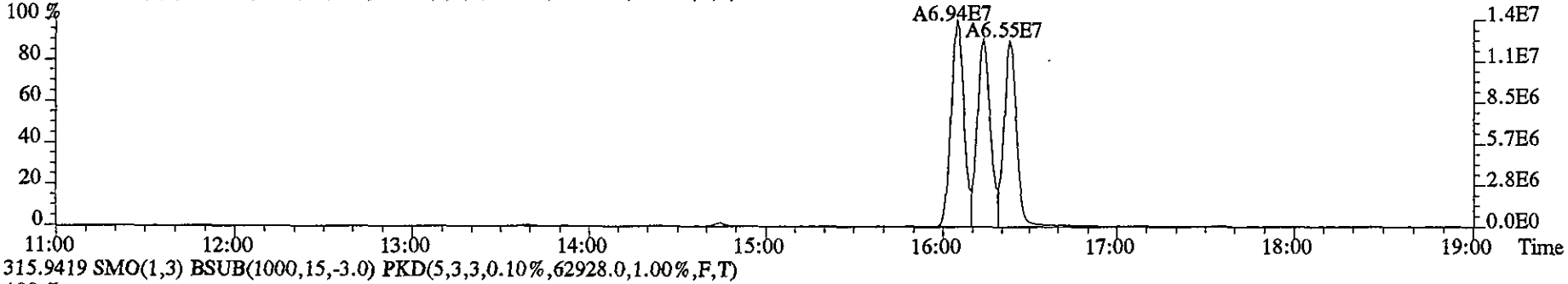


File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 10:28:33 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0511 :DB-225 CPSM 3732-06 Exp:DB225RES

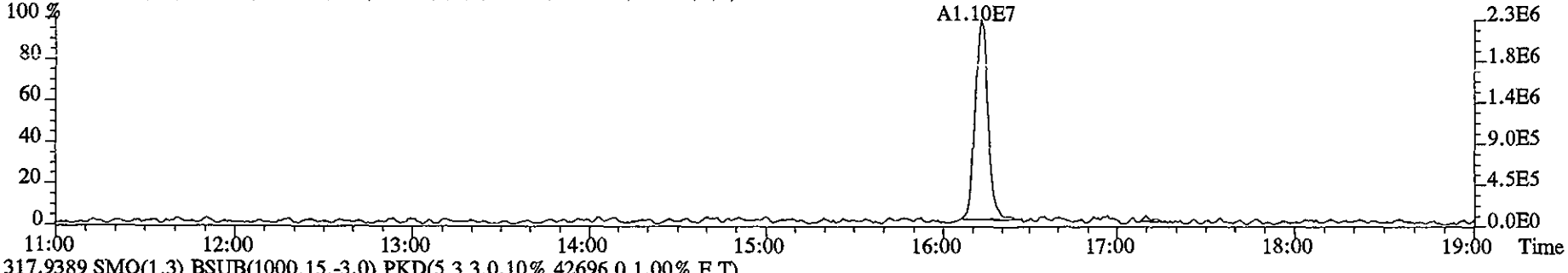
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10196.0,1.00%,F,T)



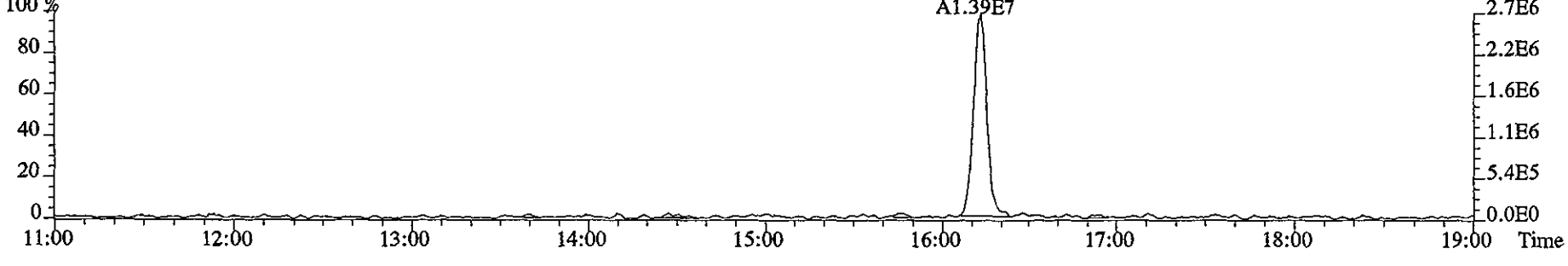
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15536.0,1.00%,F,T)



315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62928.0,1.00%,F,T)

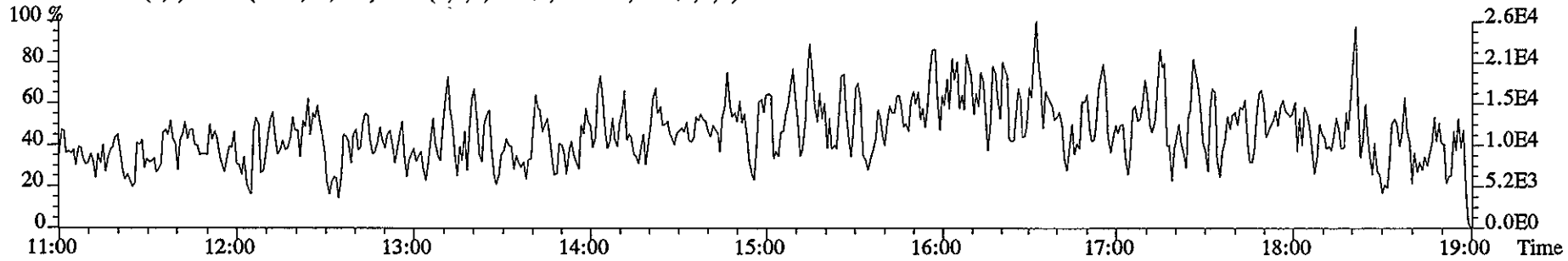


317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42696.0,1.00%,F,T)

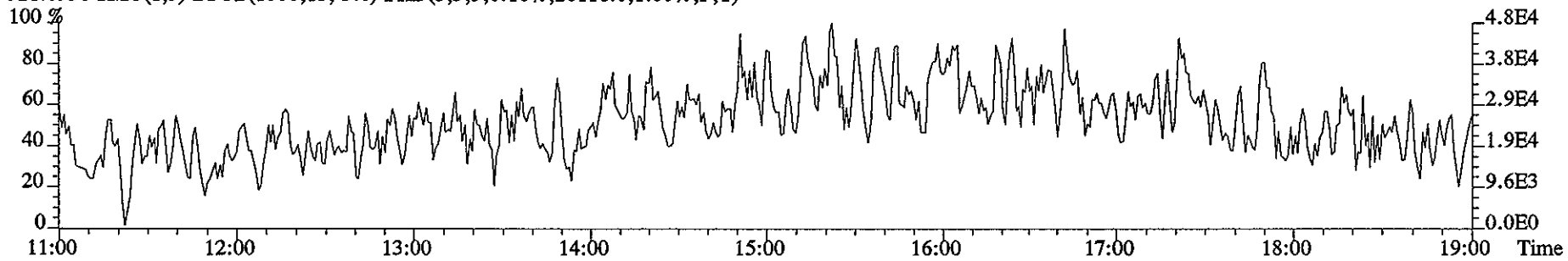


File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 10:28:33 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0511 :DB-225 CPSM 3732-06 Exp:DB225RES

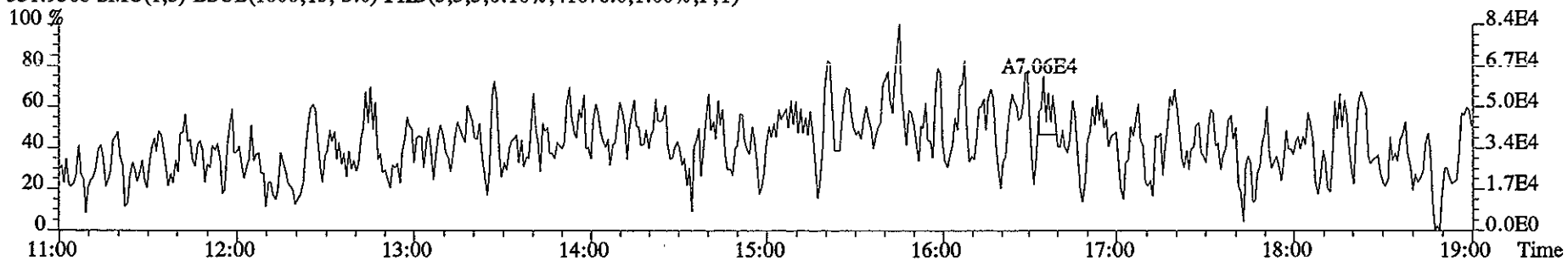
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13716.0,1.00%,F,T)



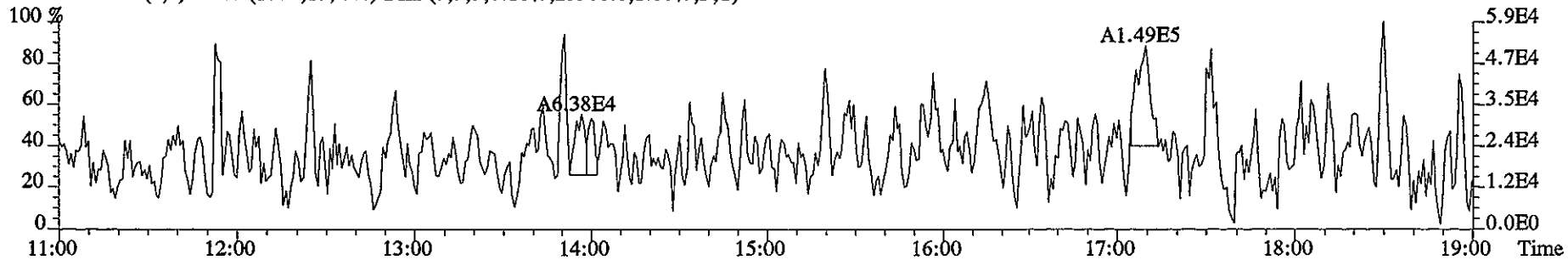
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28116.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41676.0,1.00%,F,T)

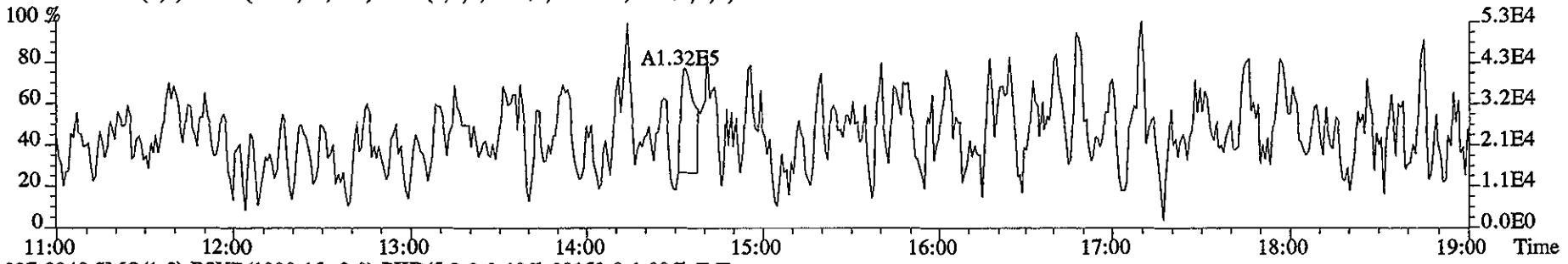


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25908.0,1.00%,F,T)

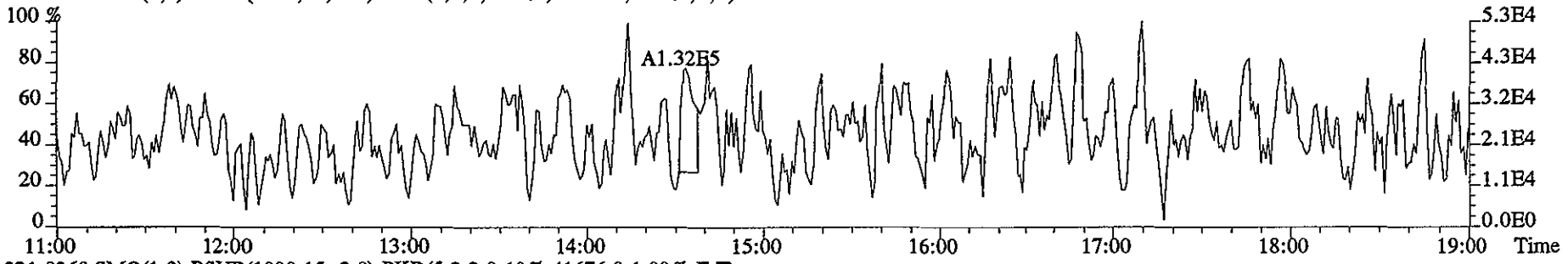


File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 10:28:33 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0511 :DB-225 CPSM 3732-06 Exp:DB225RES

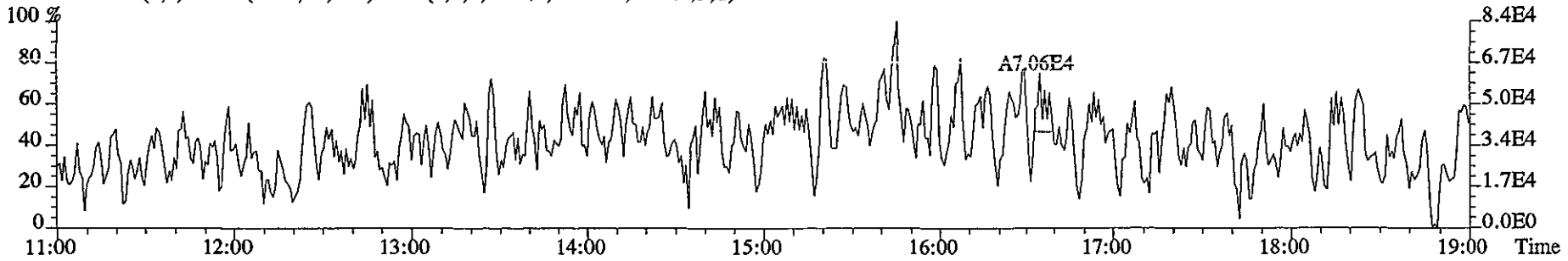
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28152.0,1.00%,F,T)



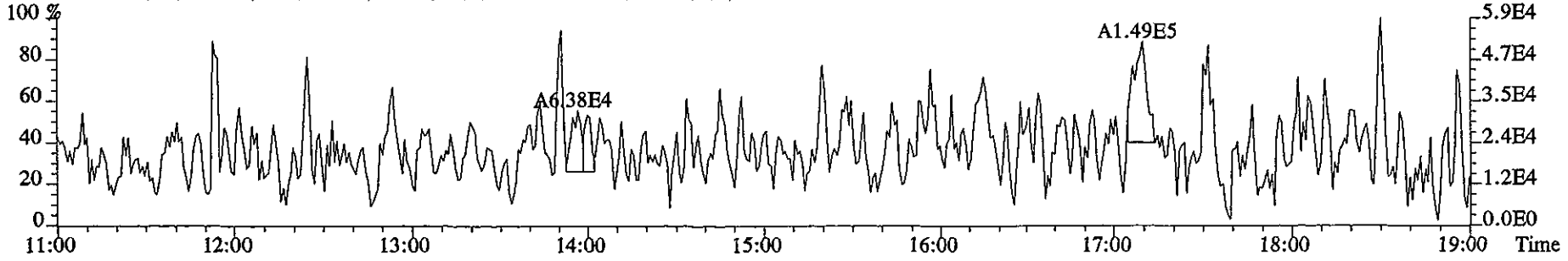
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28152.0,1.00%,F,T)

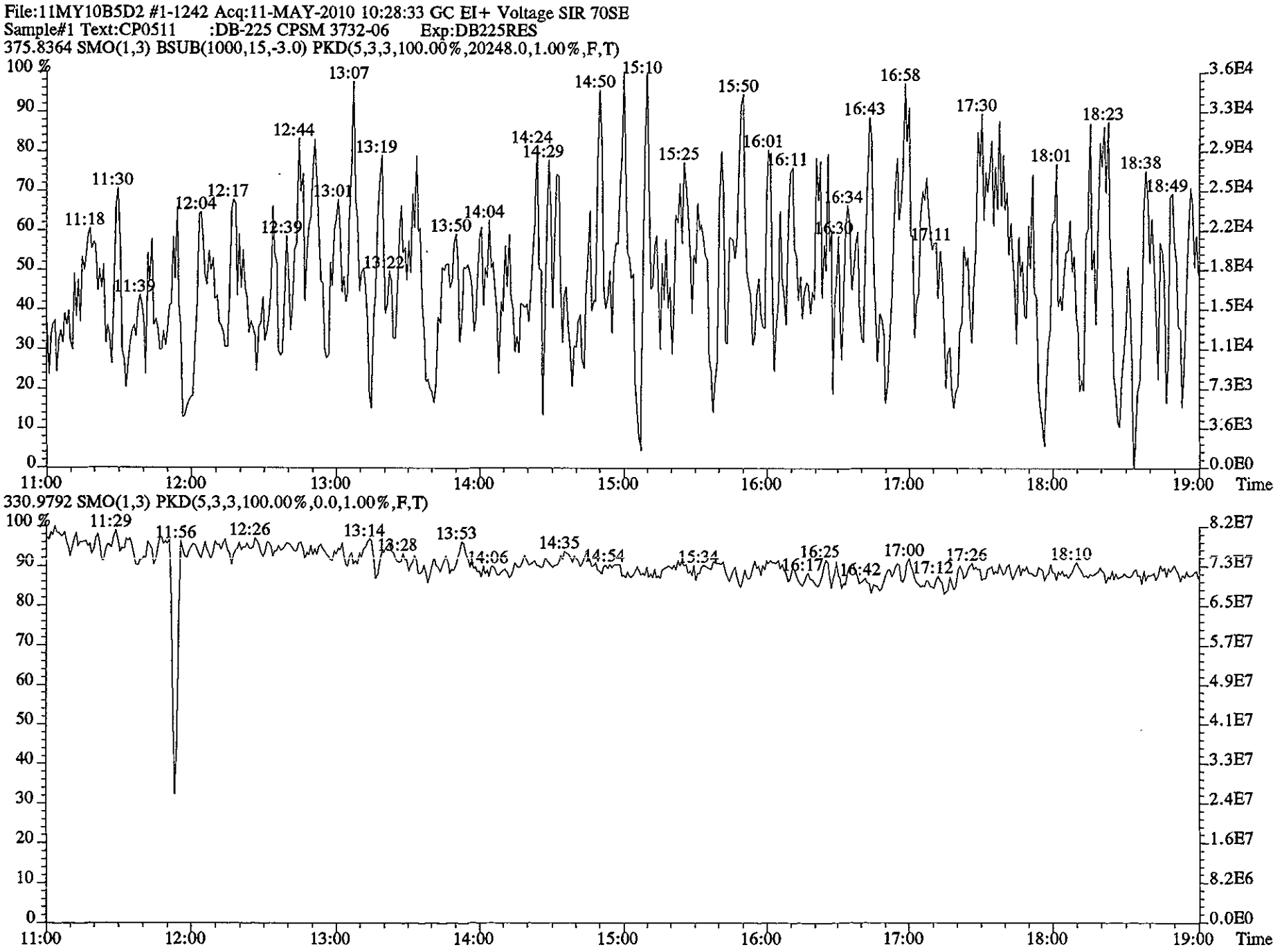


331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41676.0,1.00%,F,T)

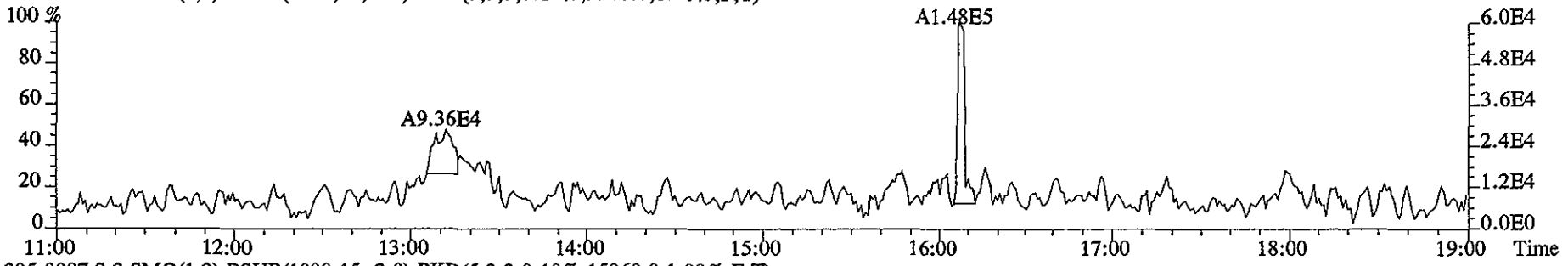


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25908.0,1.00%,F,T)

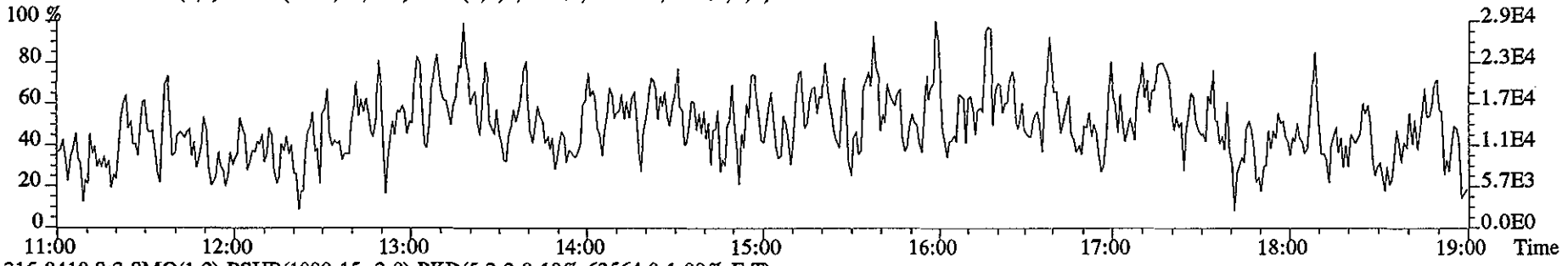




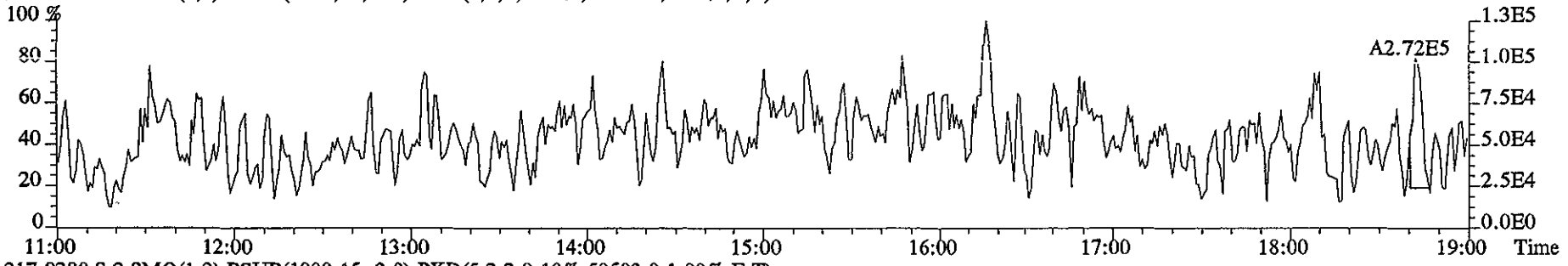
File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:42:42 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0511 :Solvent Blank C-14 Exp:DB225RES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9960.0,1.00%,F,T)



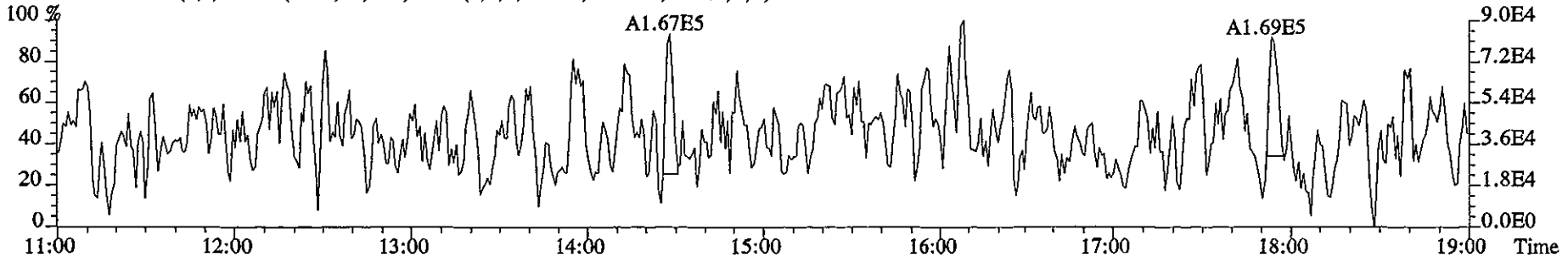
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15860.0,1.00%,F,T)



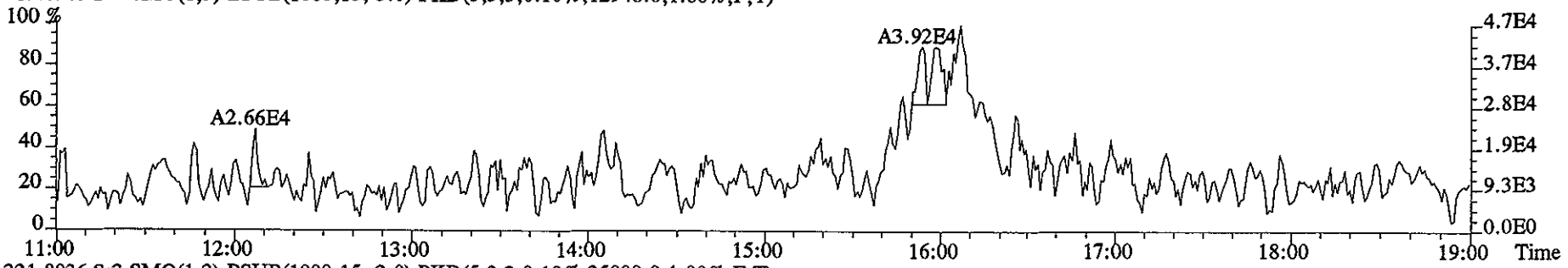
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62564.0,1.00%,F,T)



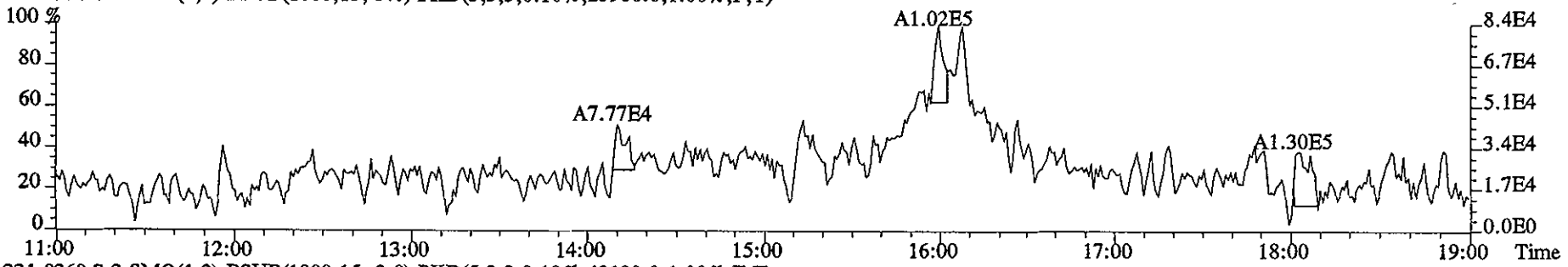
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,50592.0,1.00%,F,T)



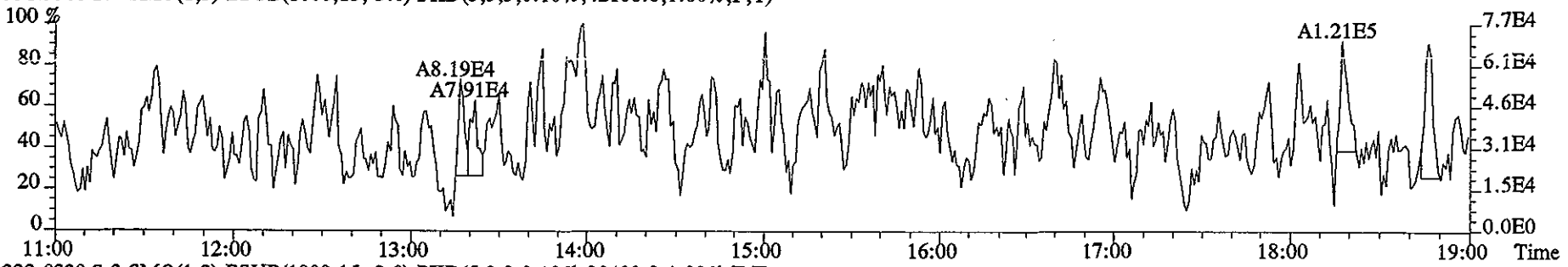
File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:42:42 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0511 :Solvent Blank C-14 Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12948.0,1.00%,F,T)



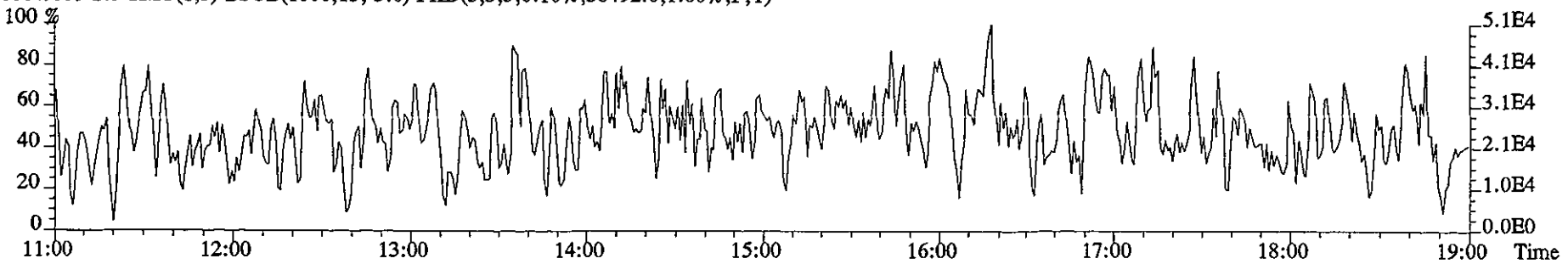
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25980.0,1.00%,F,T)



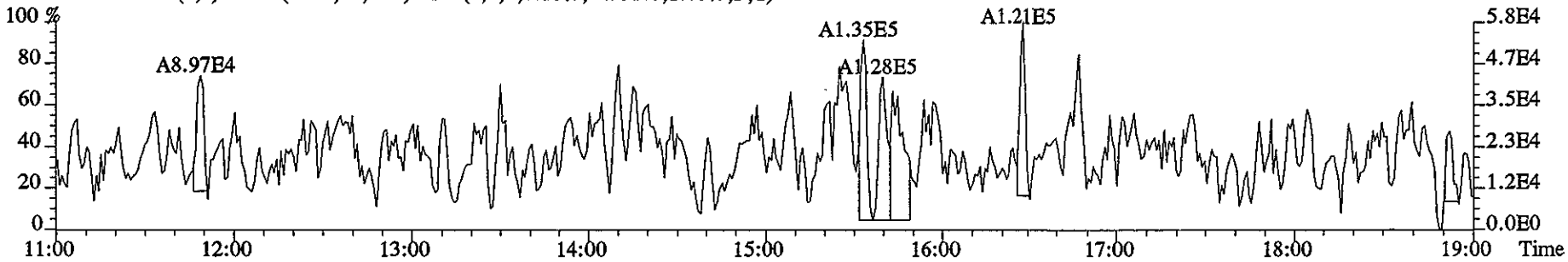
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42100.0,1.00%,F,T)



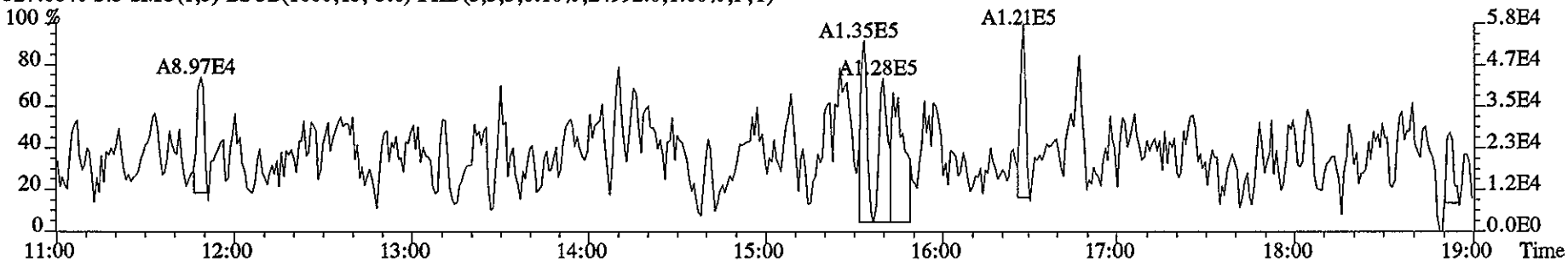
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30492.0,1.00%,F,T)



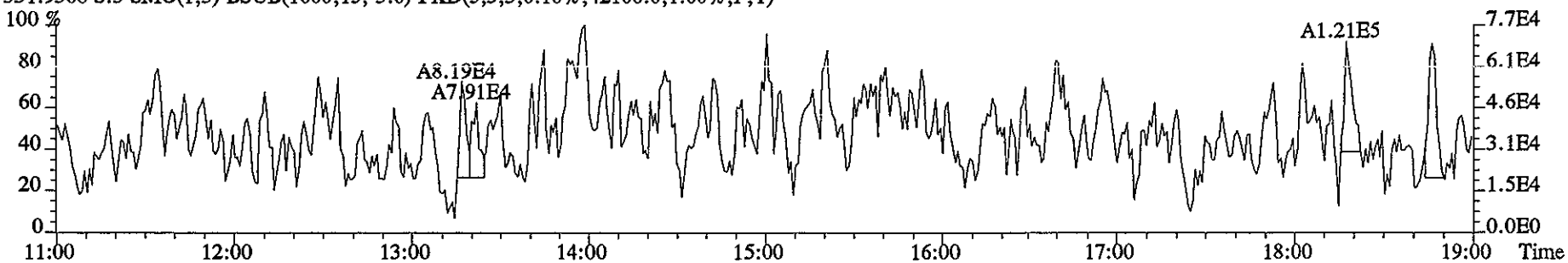
File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:42:42 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0511 :Solvent Blank C-14 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24992.0,1.00%,F,T)



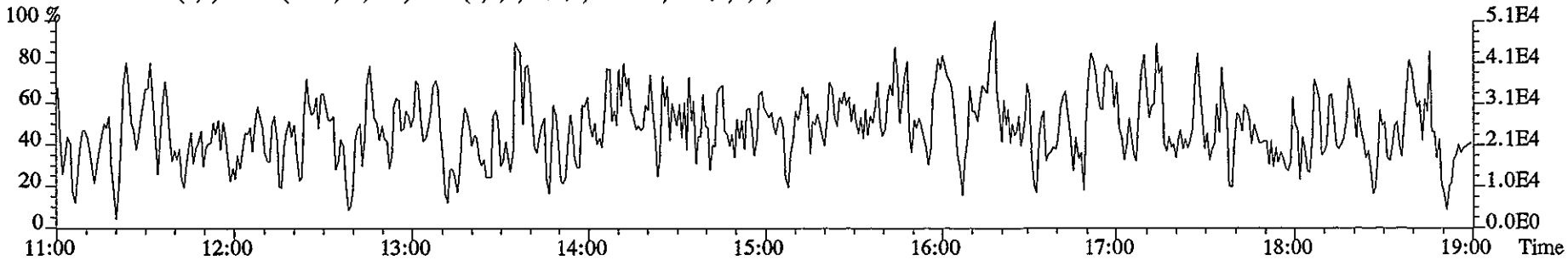
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24992.0,1.00%,F,T)



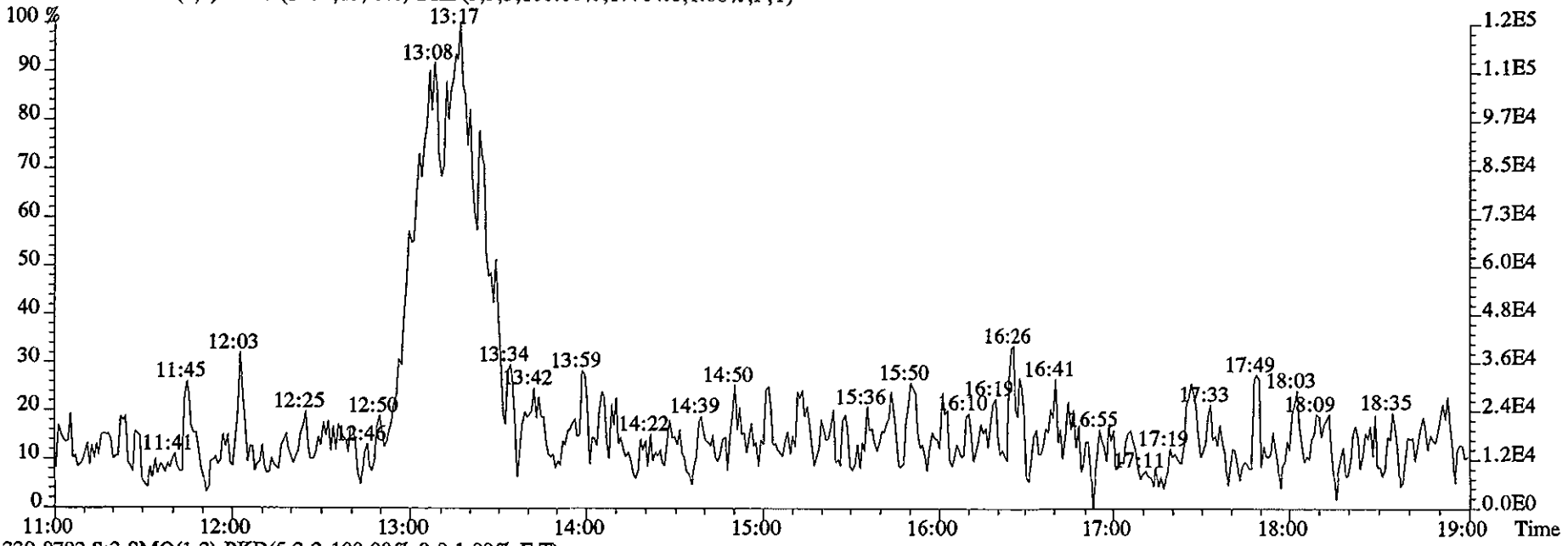
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42100.0,1.00%,F,T)



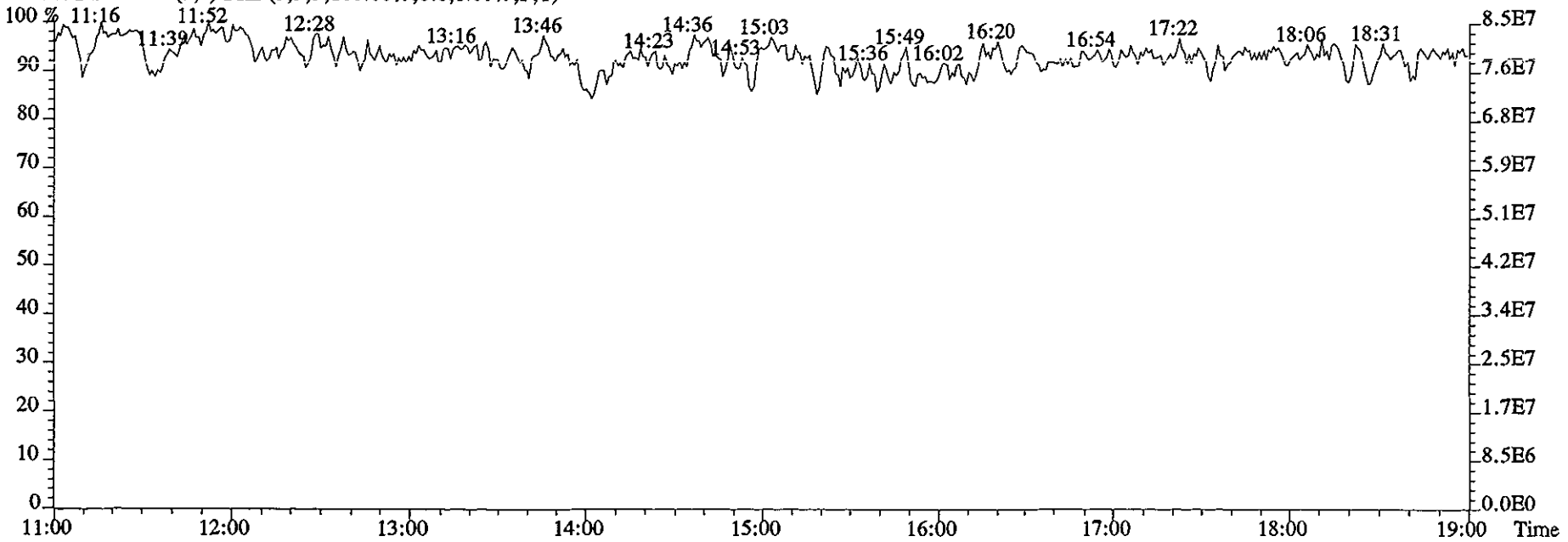
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30492.0,1.00%,F,T)



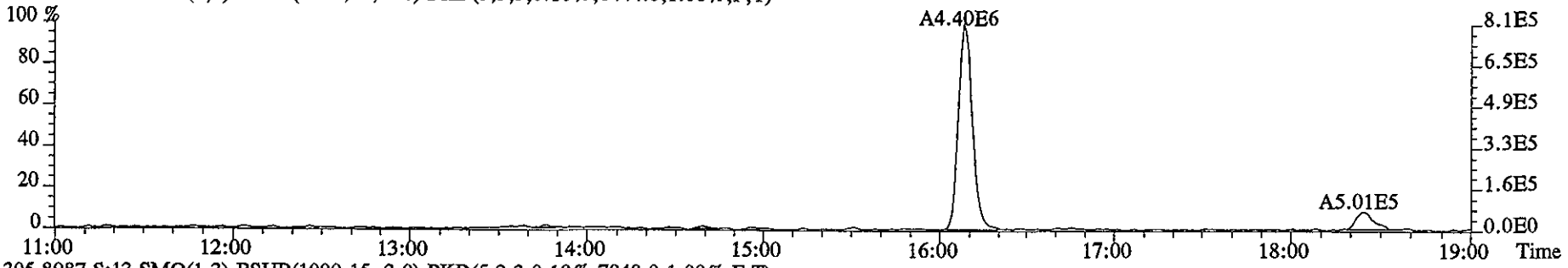
File:11MY10B5D2 #1-1241 Acq:11-MAY-2010 11:42:42 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0511 :Solvent Blank C-14 Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,17704.0,1.00%,F,T)



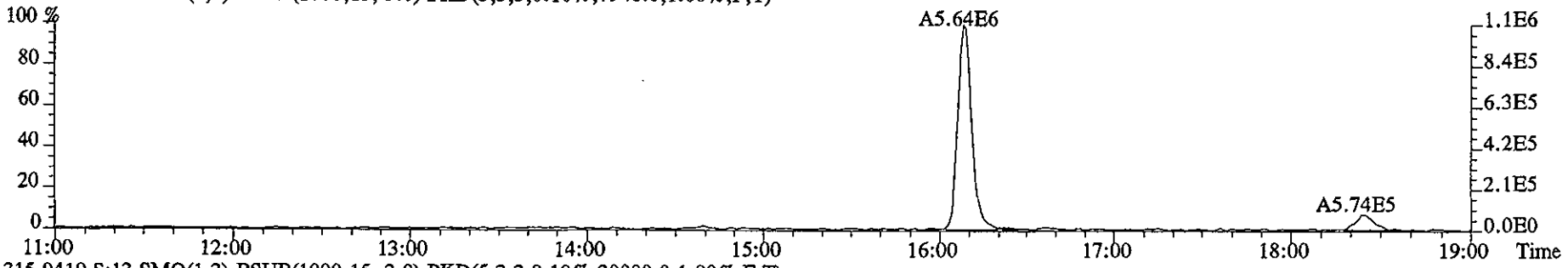
330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



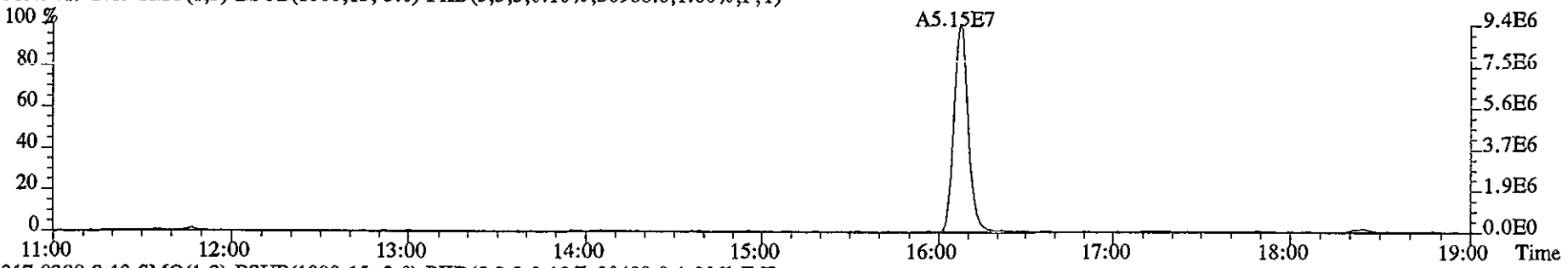
File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 17:53:26 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0511A :CS3 10DXN083 Exp:DB225RES
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6444.0,1.00%,F,T)



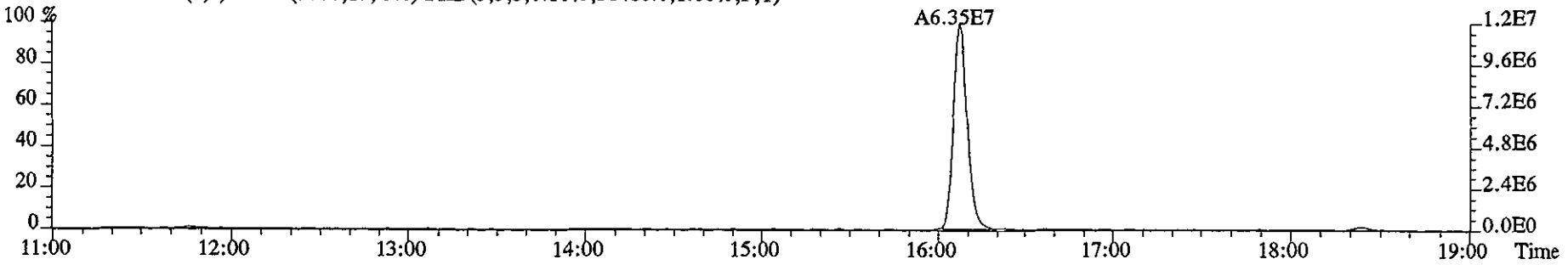
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7948.0,1.00%,F,T)



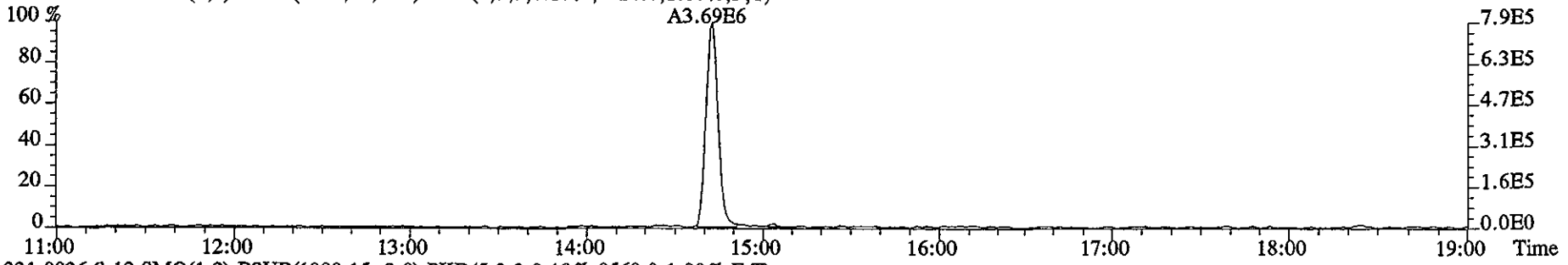
315.9419 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30988.0,1.00%,F,T)



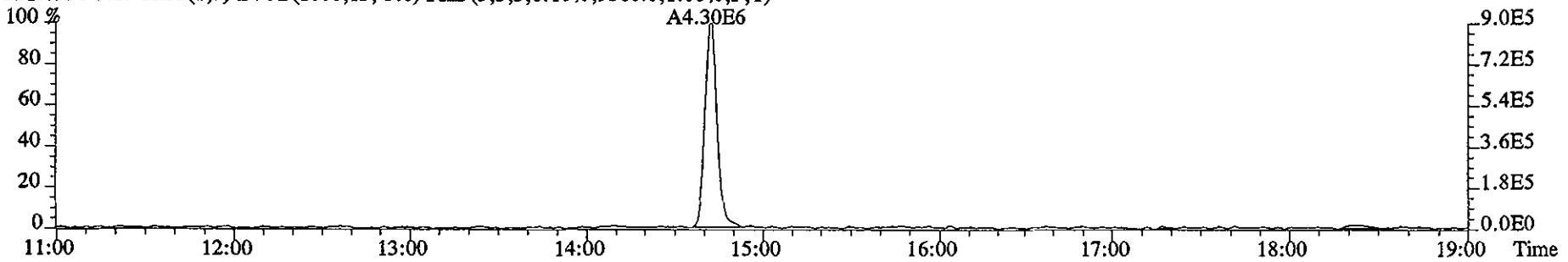
317.9389 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38488.0,1.00%,F,T)



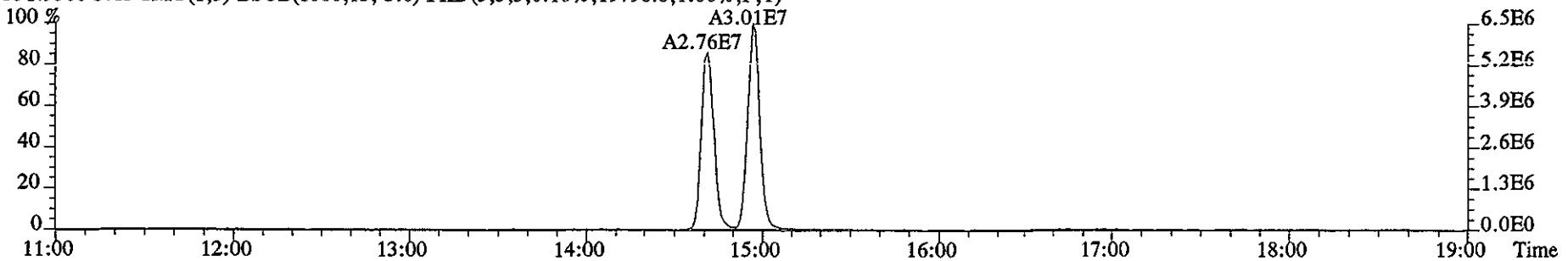
File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 17:53:26 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0511A :CS3 10DXN083 Exp:DB225RES
319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6628.0,1.00%,F,T)



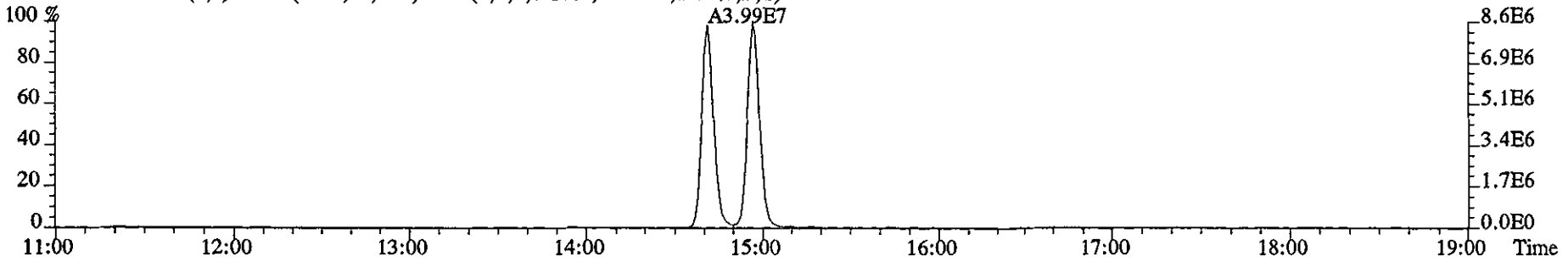
321.8936 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



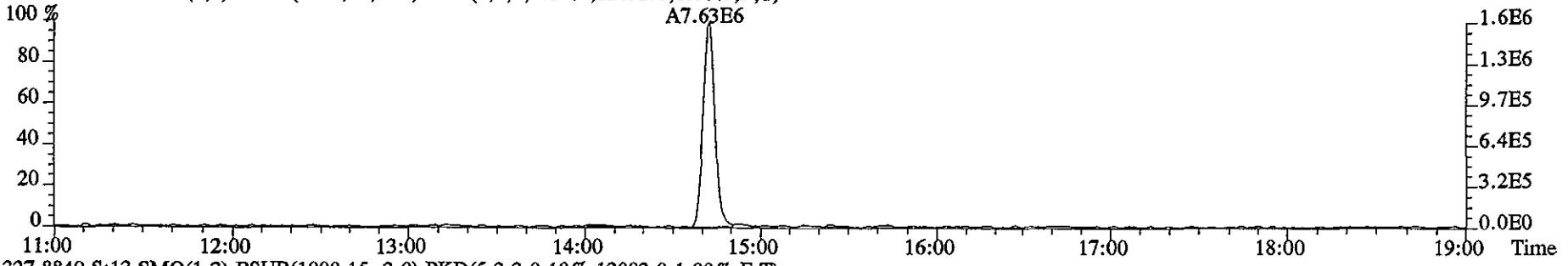
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19796.0,1.00%,F,T)



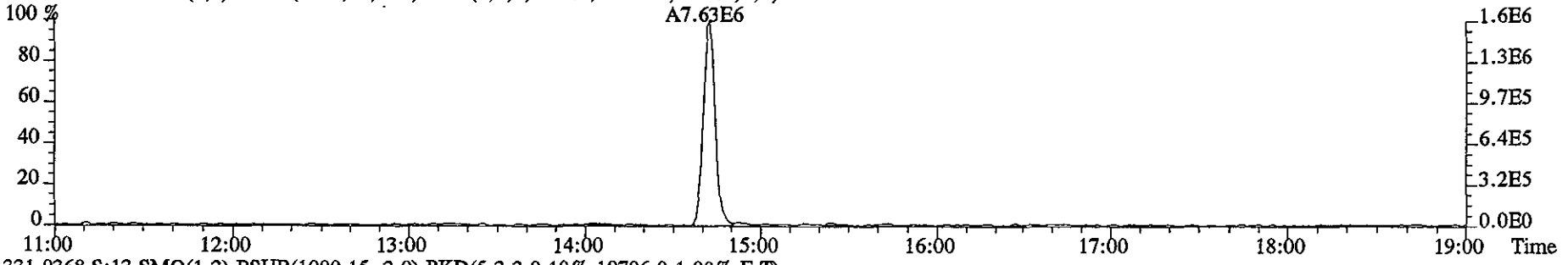
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14840.0,1.00%,F,T)



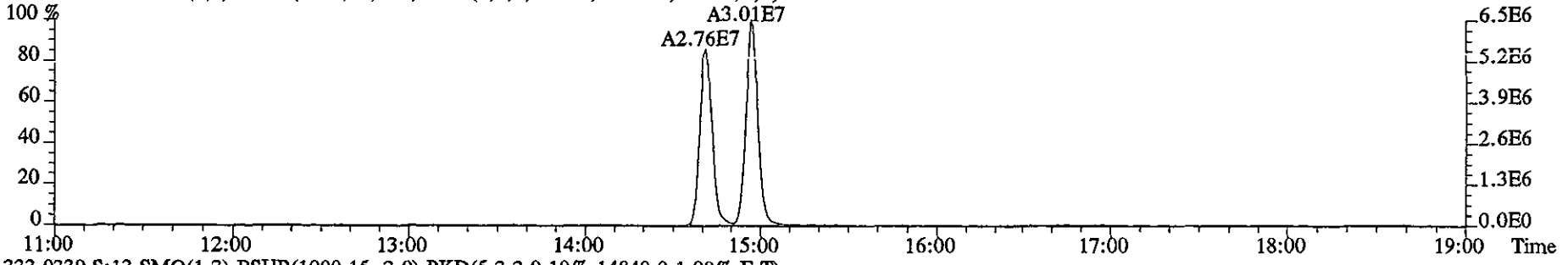
File:11MY10B5D2 #1-1242 Acq:11-MAY-2010 17:53:26 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0511A :CS3 10DXN083 Exp:DB225RES
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12092.0,1.00%,F,T)



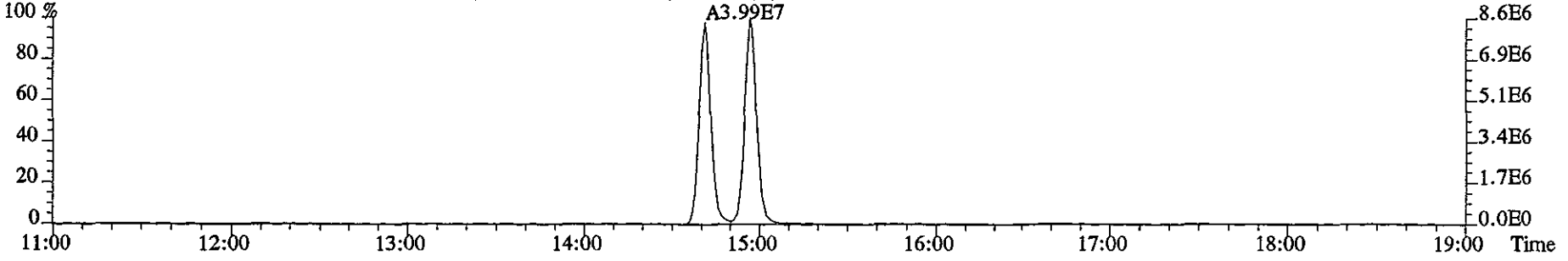
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12092.0,1.00%,F,T)

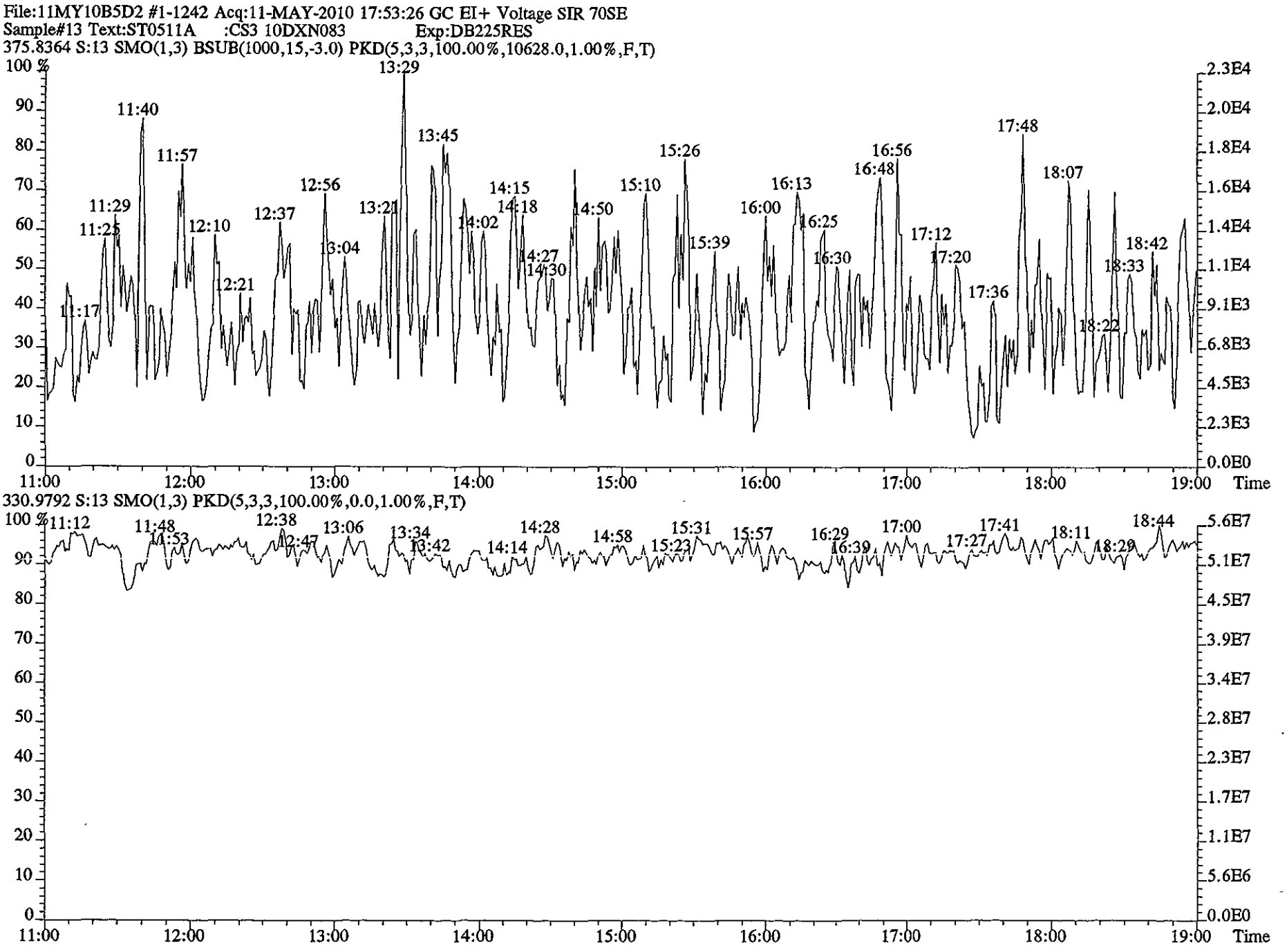


331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19796.0,1.00%,F,T)



333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14840.0,1.00%,F,T)





TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290) **Associated ICAL** DB225042105D2

Column ID DB225 **Instrument ID** 5D2

STD ID STO5I2, STO5I0A **STD Solution** 10DXN111

Analyzed by KGS, AS **Date Analyzed** 5/10/10

Std. Pkg. By KGS **Date Std. Pkg. Assembled** 5/11/10

Std. Pkg. Reviewed By MMG **Date Std. Pkg. Reviewed** 5/11/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0510 File text: ST0510 :CS3 10DXN083
Run #6 Filename 10MY105D2 S: 4 I: 1
Acquired: 10-MAY-10 10:33:33 Processed: 10-MAY-10 15:25:21
Run: 10MY105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 10MY105D2DB225

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	119524200	0.76	y	14:48	-	100.00	-	n
13C-2,3,7,8-TCDF	226092000	0.80	y	15:58	1.89	100.00	-10.2	n
2,3,7,8-TCDF	20674870	0.77	y	15:59	0.91	10.00	-16.0	n
13C-2,3,7,8-TCDD	113234700	0.74	y	14:36	0.95	100.00	-0.1	n
2,3,7,8-TCDD	14935710	0.86	y	14:37	1.32	10.00	-2.8	n
37Cl-2,3,7,8-TCDD	26571200	1.00	y	14:37	2.22	10.00	-2.4	n

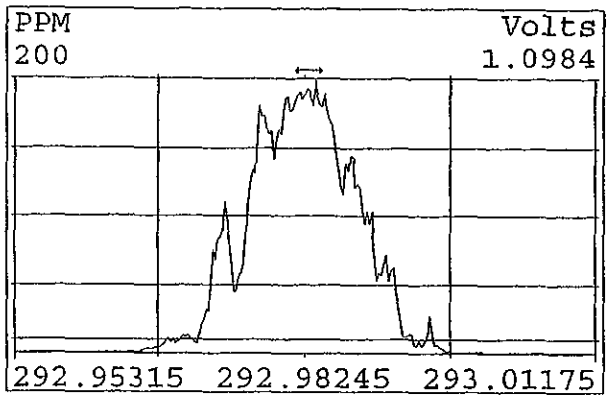
Run text: ST0510A File text: ST0510A :CS3 10DXN083
Run #22 Filename 10MY105D2 S: 21 I: 1
Acquired: 10-MAY-10 21:03:37 Processed: 10-MAY-10 21:31:30
Run: 10MY105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 10MY105D2DB225

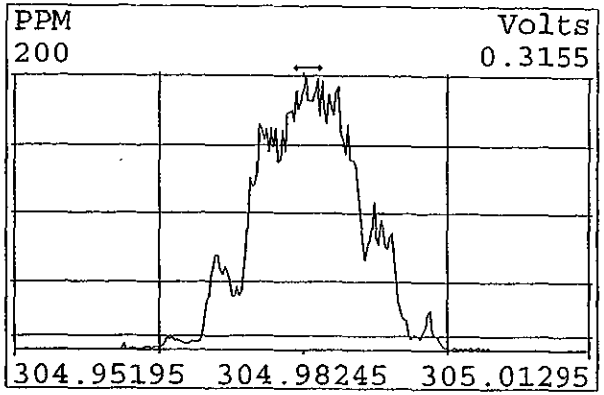
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	118539800	0.77 y	14:48	-	100.00	-	n
13C-2,3,7,8-TCDF	211806700	0.80 y	15:57	1.79	100.00	-15.2	n
2,3,7,8-TCDF	19887250	0.79 y	15:58	0.94	10.00	-13.7	n
13C-2,3,7,8-TCDD	111800200	0.75 y	14:35	0.94	100.00	-0.6	n
2,3,7,8-TCDD	14621170	0.84 y	14:36	1.31	10.00	-3.6	n
37Cl-2,3,7,8-TCDD	25200600	1.00 y	14:36	2.13	10.00	-6.7	n

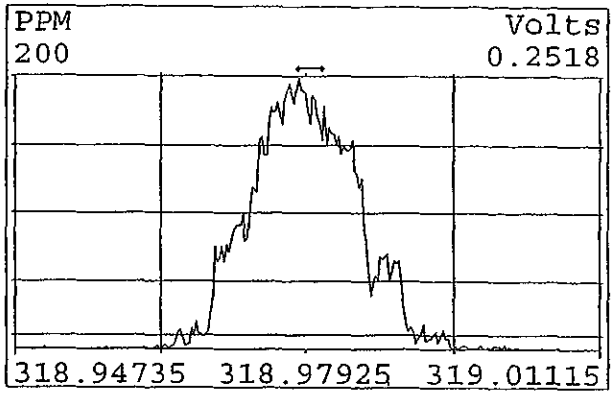
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
10MY105D2	1	CPPRM01	DB-225 CPSM 3732-06				1.000	
10MY105D2	2	CPPRM02	DB-225 CPSM 3732-06				1.000	
10MY105D2	3	CP0510	DB-225 CPSM 3732-06				1.000	
10MY105D2	4	ST0510	CS3 10DXN083				1.000	
10MY105D2	5	SB0510	Solvent Blank C-14				1.000	
10MY105D2	6	LX525-1-AD	G0D170492-2	10	8290/SOLID	79	10.280	g
10MY105D2	7	LX732-1-AC	G0D200427-9	10	8290/SOLID		10.240	g
10MY105D2	8	LX74R-1-AC	G0D200427-15	10	8290/SOLID		10.130	g
10MY105D2	9	LX74K-1-AC	G0D200427-13	10	8290/SOLID		10.160	g
10MY105D2	10	LX5XK-1-AC	G0D170485-1	10	8290/SOLID	77	10.090	g
10MY105D2	11	LX51H-1-AD	G0D170489-5	10	8290/SOLID	79	10.670	g
10MY105D2	12	LX51F-1-AC	G0D170489-3	10	8290/SOLID	77	10.070	g
10MY105D2	13	LX5XP-1-AC	G0D170485-5	10	8290/SOLID	79	10.080	g
10MY105D2	14	LX5XR-1-AC	G0D170485-6	10	8290/SOLID		10.140	g
10MY105D2	15	LX53G-1-AD	G0D170492-12	10	8290/SOLID		10.230	g
10MY105D2	16	LX743-1-AC	G0D200427-17	10	8290/SOLID		10.350	g
10MY105D2	17	LX74C-1-AC	G0D200427-11	10	8290/SOLID		10.140	g
10MY105D2	18	LX50A-1-AE	G0D170485-18 [20X]	10	8290/SOLID	80	10.550	g
10MY105D2	19	LX5X6-1-AE	G0D170485-15 [20X]	10	8290/SOLID		10.240	g
10MY105D2	20	SB0510A	Solvent Blank C-14				1.000	
10MY105D2	21	ST0510A	CS3 10DXN083				1.000	
10MY105D2	22						1.000	
0MY105D2	23						1.000	
0MY105D2	24		KSS, AS 05-10-10				1.000	

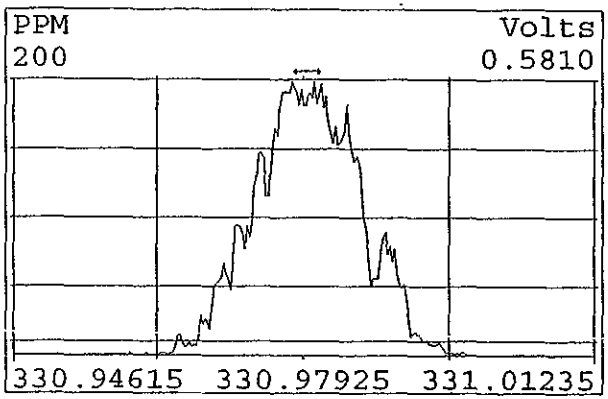
logfile v2
5/11/10
MS

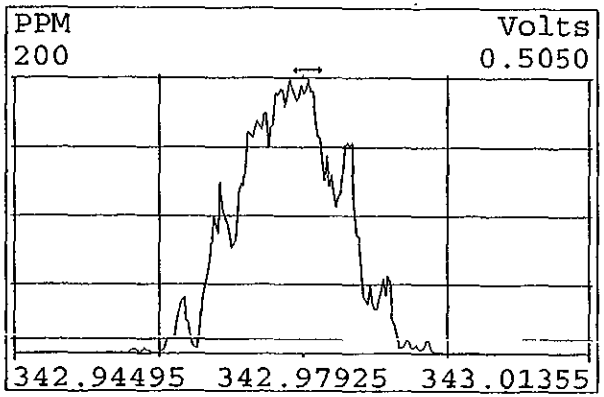
Peak Locate Examination:10-MAY-2010:08:41 File:10MY105D2
Experiment:DB225RES Function:1 Reference:PFK

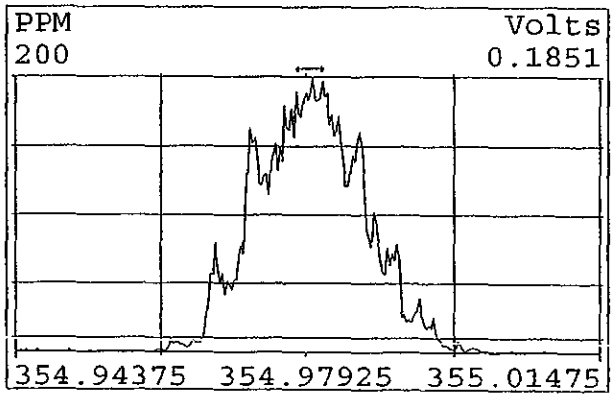


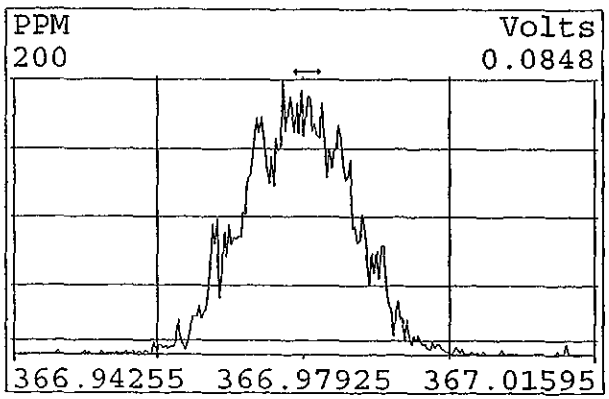


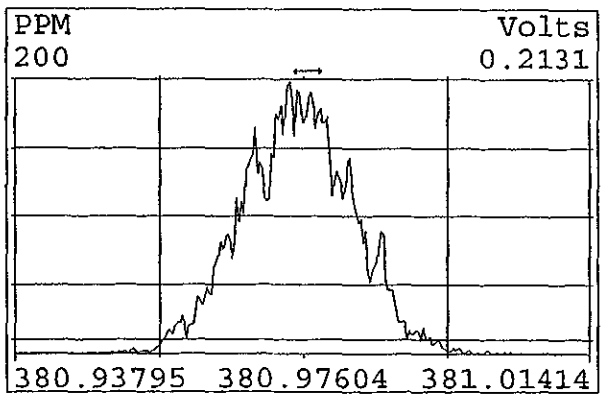




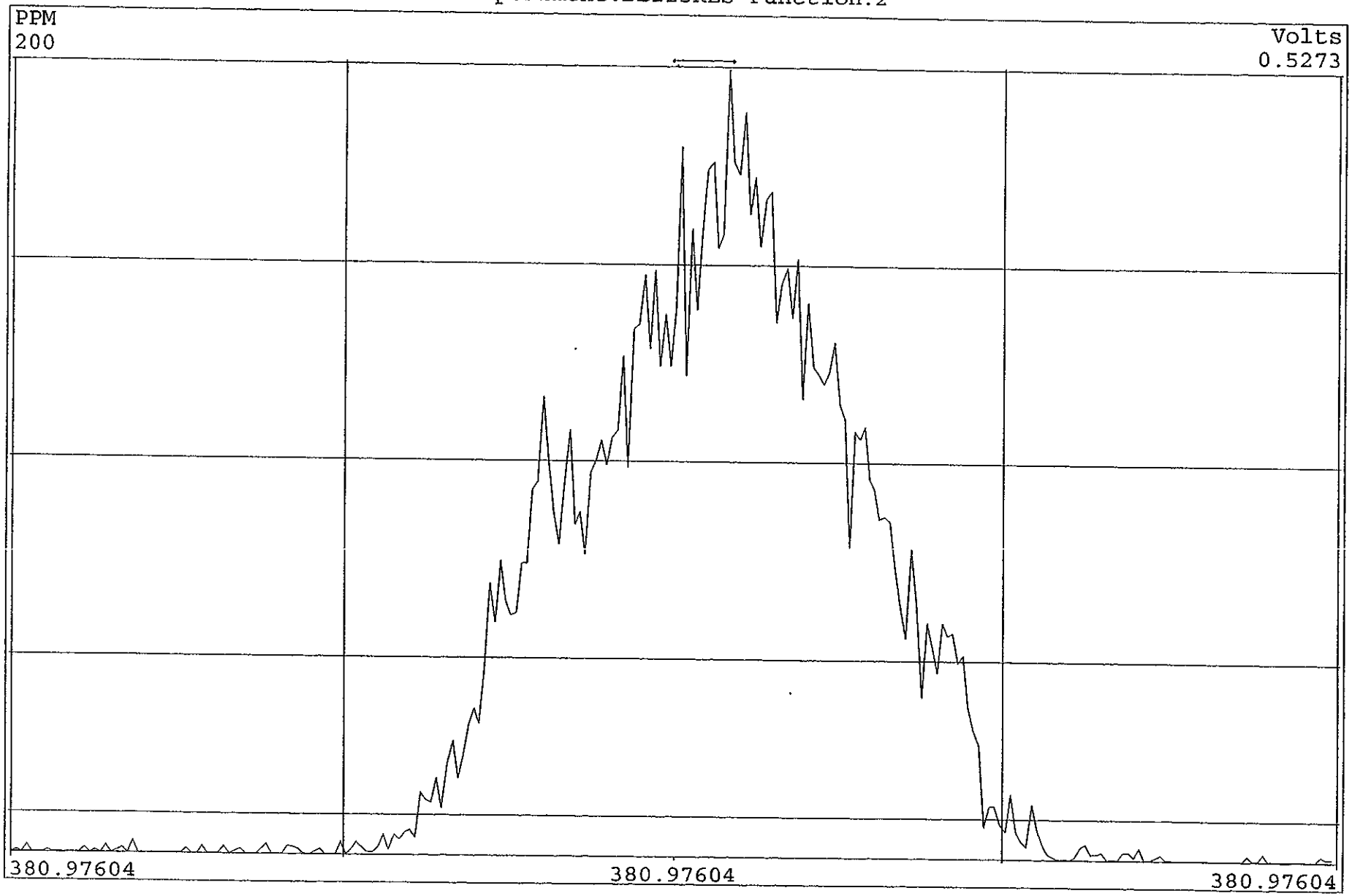




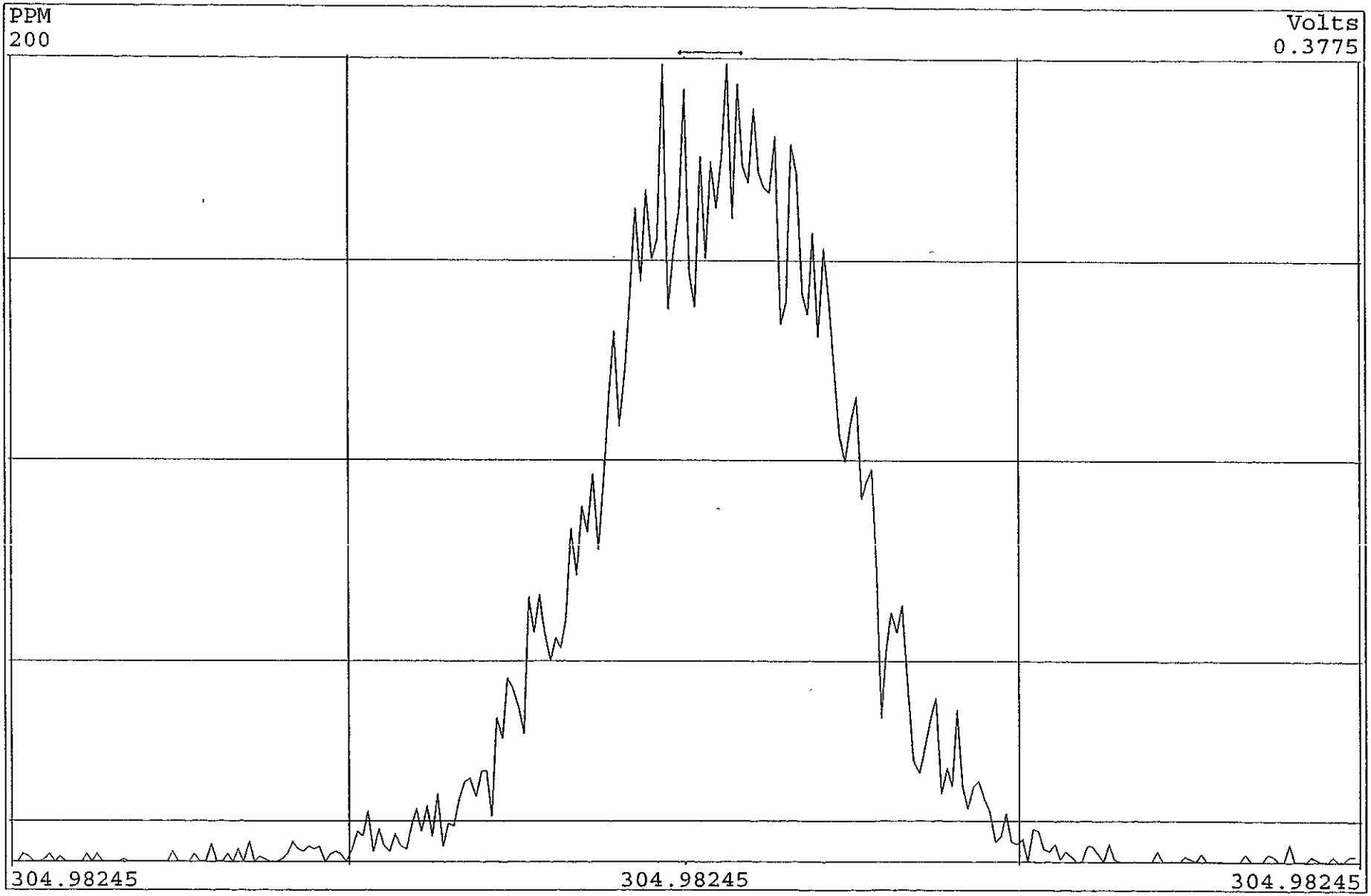




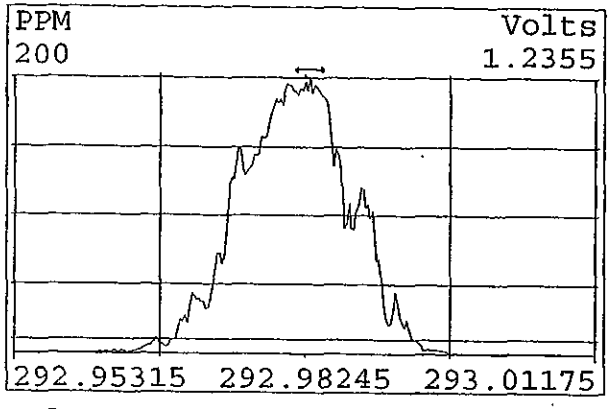
SIRLM Examination:10-MAY-2010:17:46 File:10MY105D2
Experiment:DB225RES Function:2

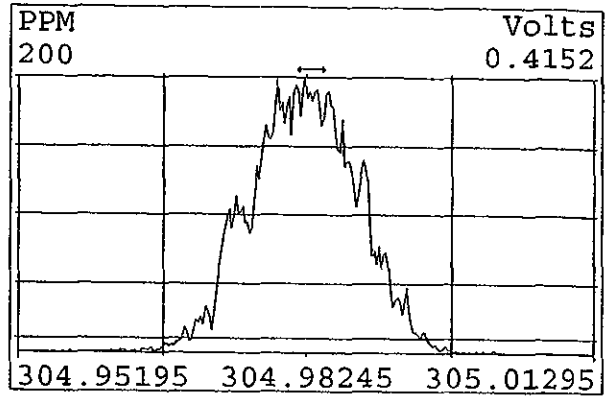


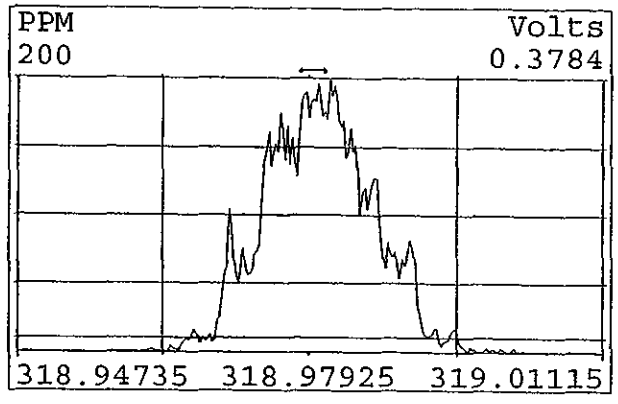
SIRLM Examination:10-MAY-2010:17:48 File:10MY105D2
Experiment:DB225RES Function:3

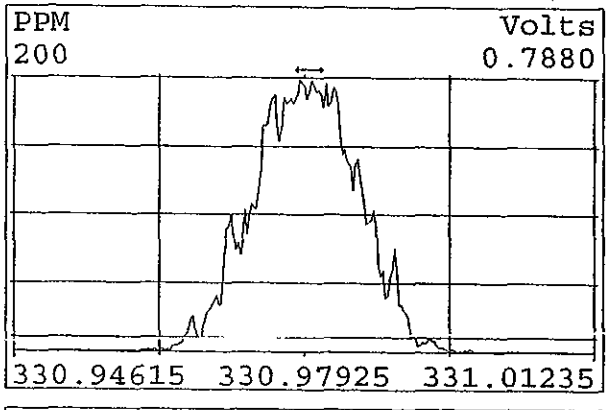


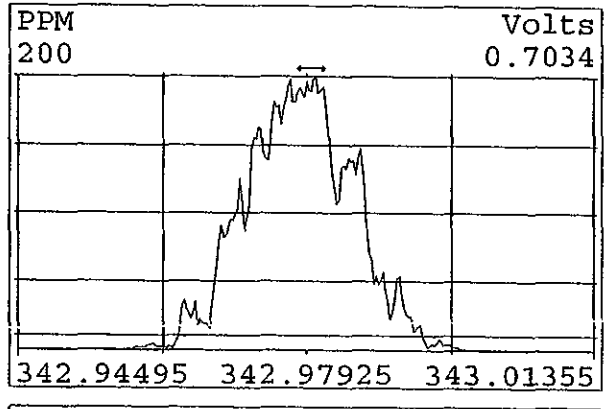
Peak Locate Examination:10-MAY-2010:22:50 File:RESCHK10MY105D2
Experiment:DB225RES Function:1 Reference:PFK

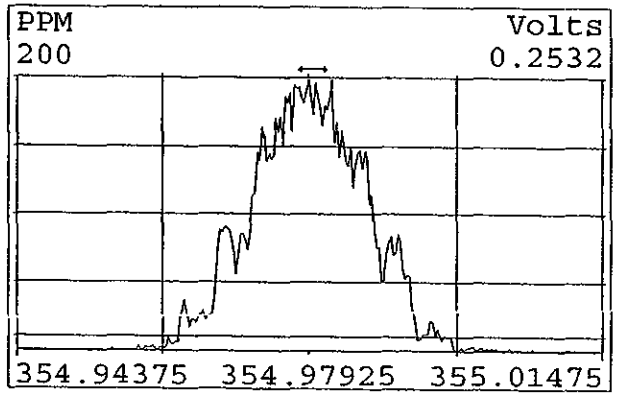


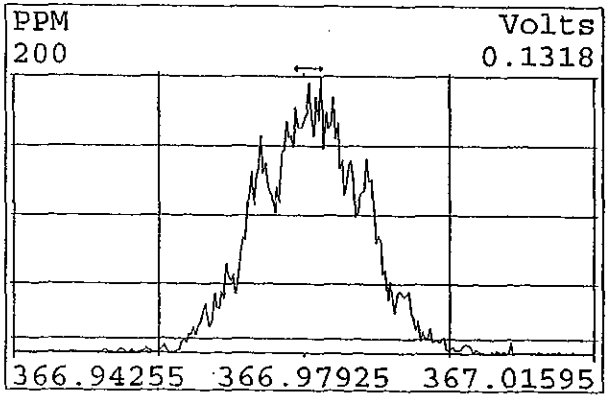


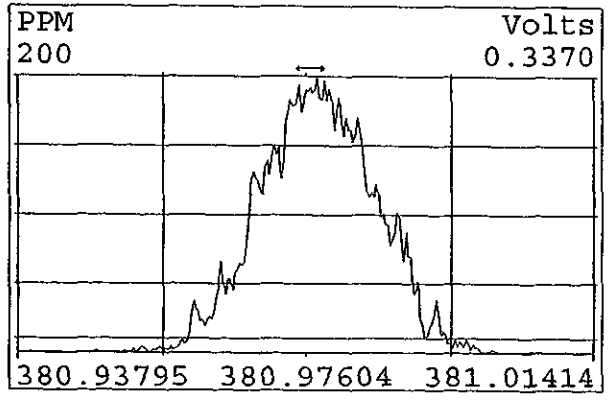




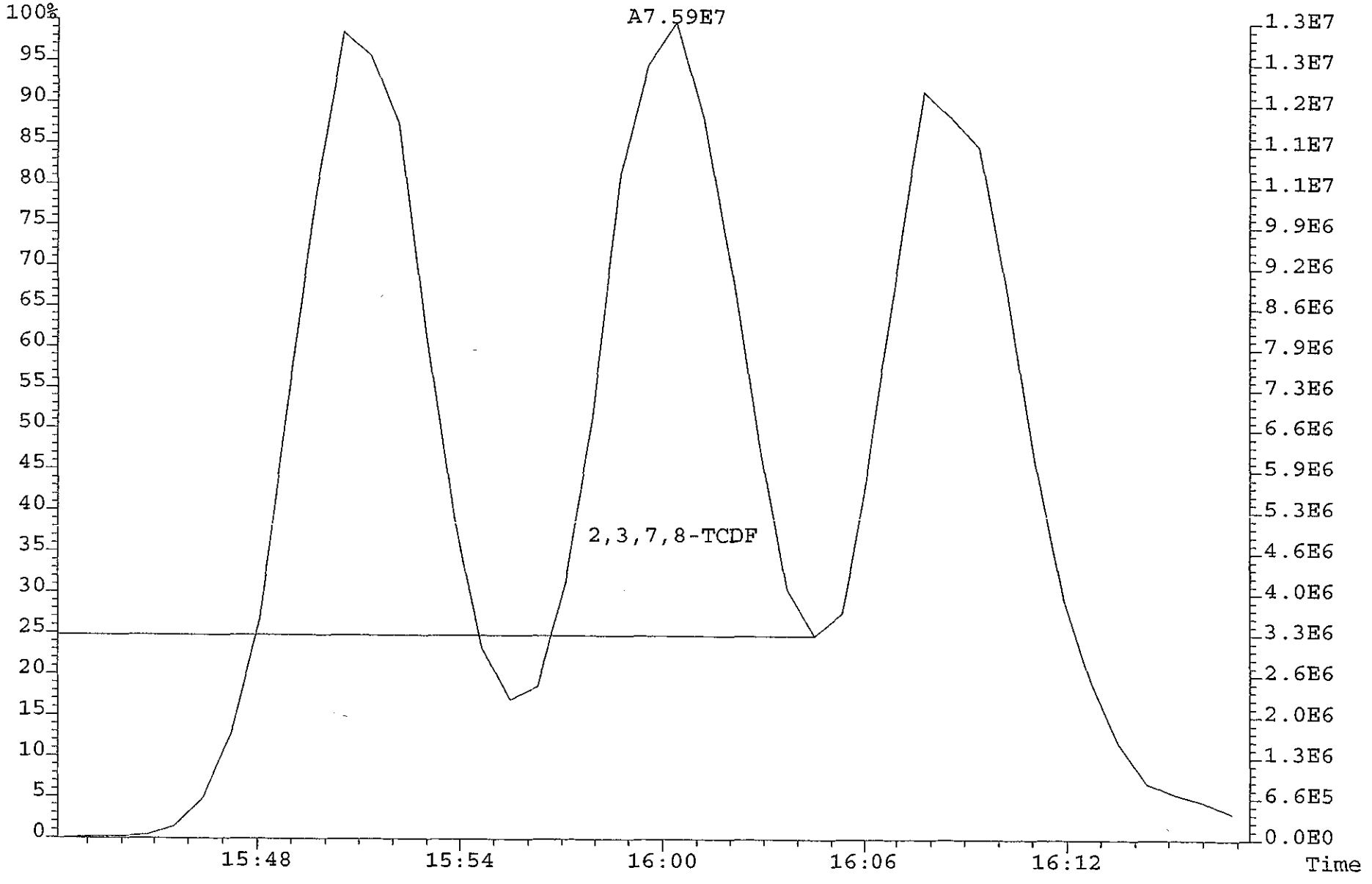








File:10MY105D2 #1-1050 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
305.8987 S:3 BSUB(128,15,-3.0) Exp:DB225RES Noise:1744

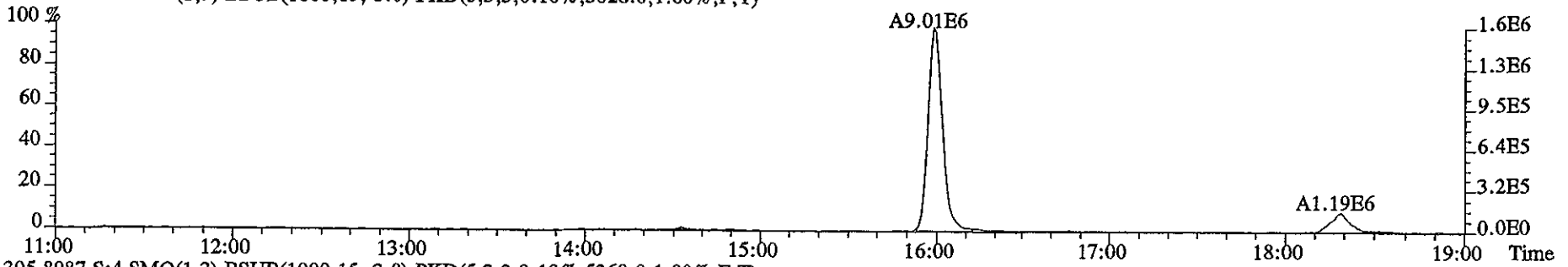


Run: 10MY105D2 Analyte: DB225HRS Cal: DB2250421105D2

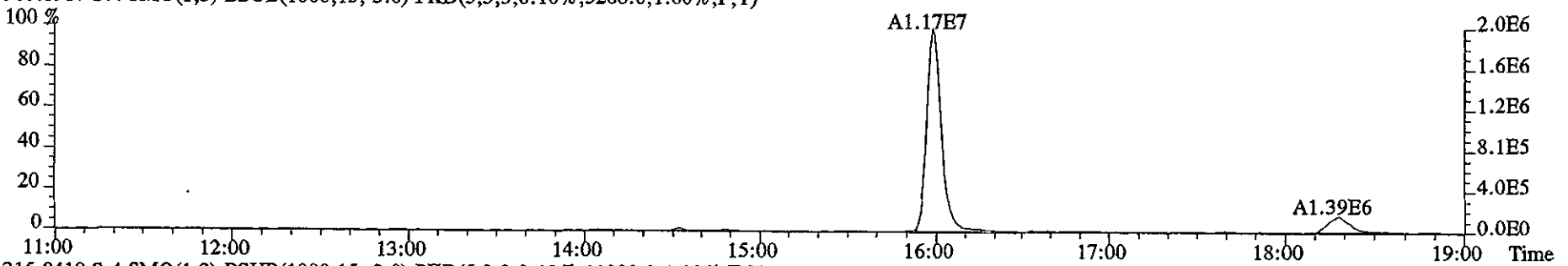
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

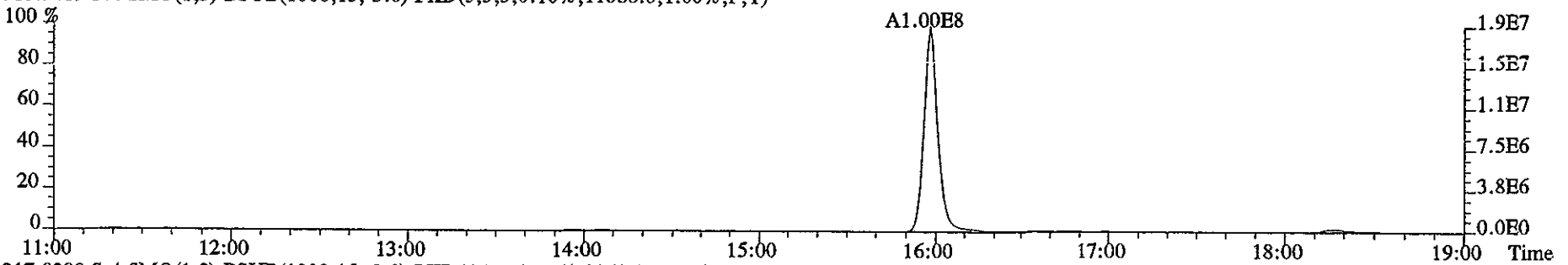
File:10MY105D2 #1-1242 Acq:10-MAY-2010 10:33:33 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0510 :CS3 10DXN083 Exp:DB225RES
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)



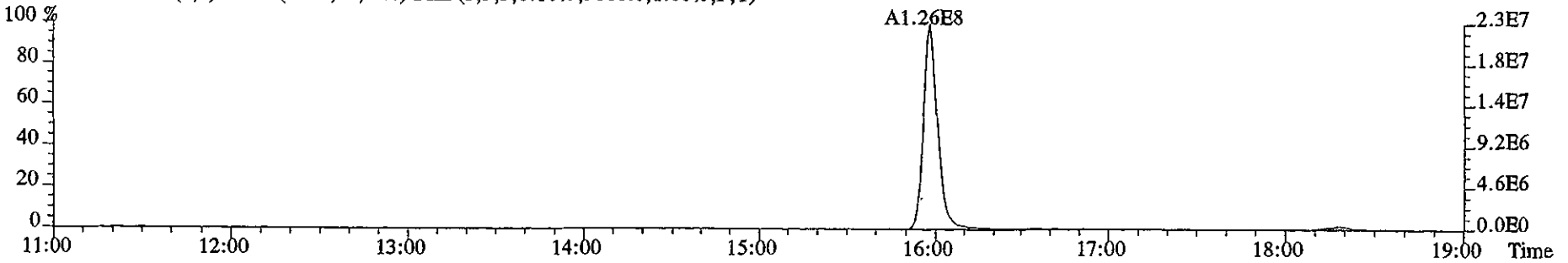
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5268.0,1.00%,F,T)

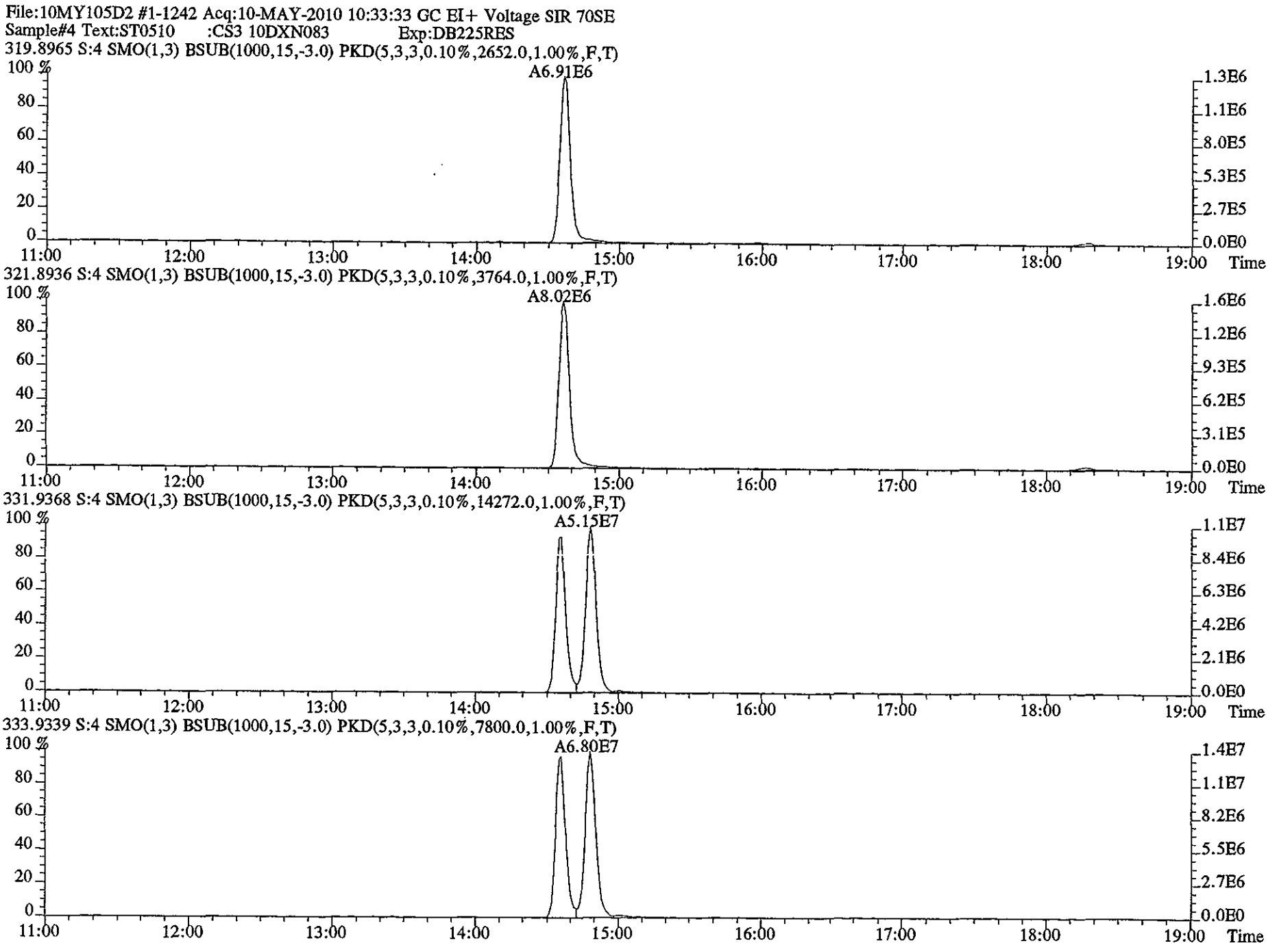


315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11088.0,1.00%,F,T)

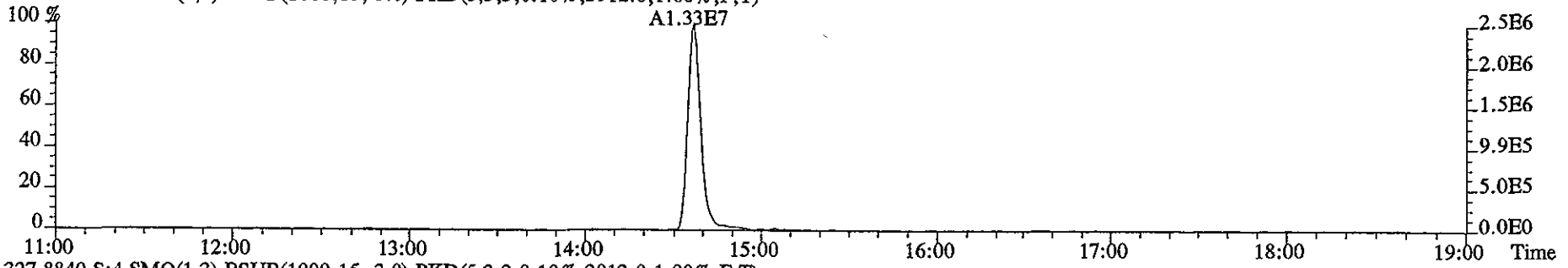


317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9068.0,1.00%,F,T)

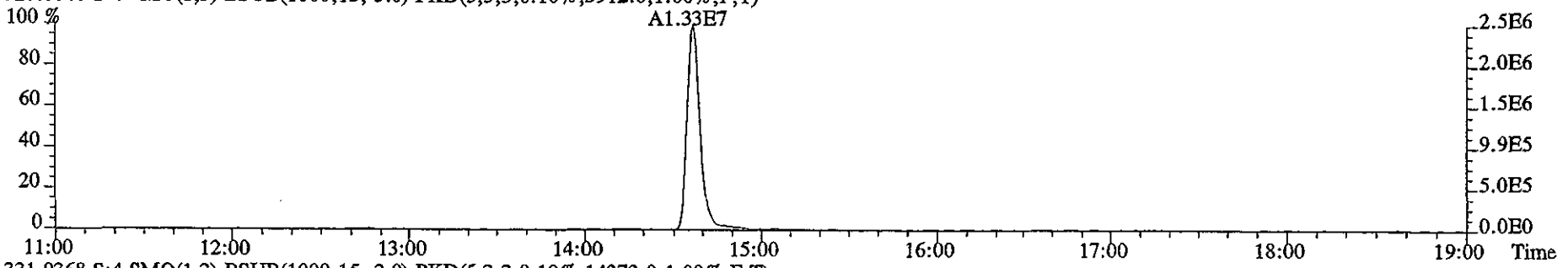




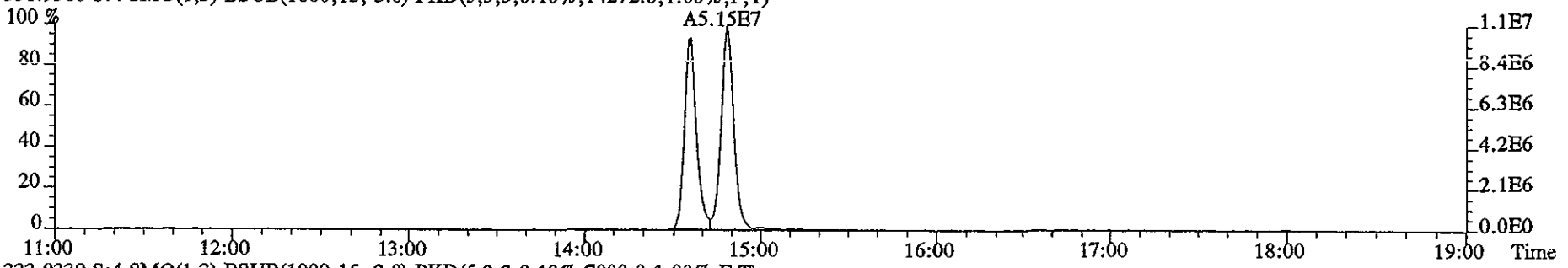
File:10MY105D2 #1-1242 Acq:10-MAY-2010 10:33:33 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0510 :CS3 10DXN083 Exp:DB225RES
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



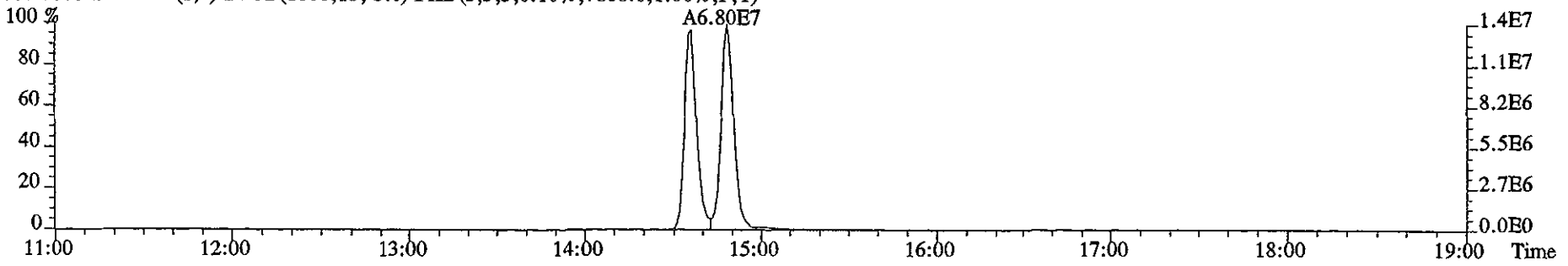
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)

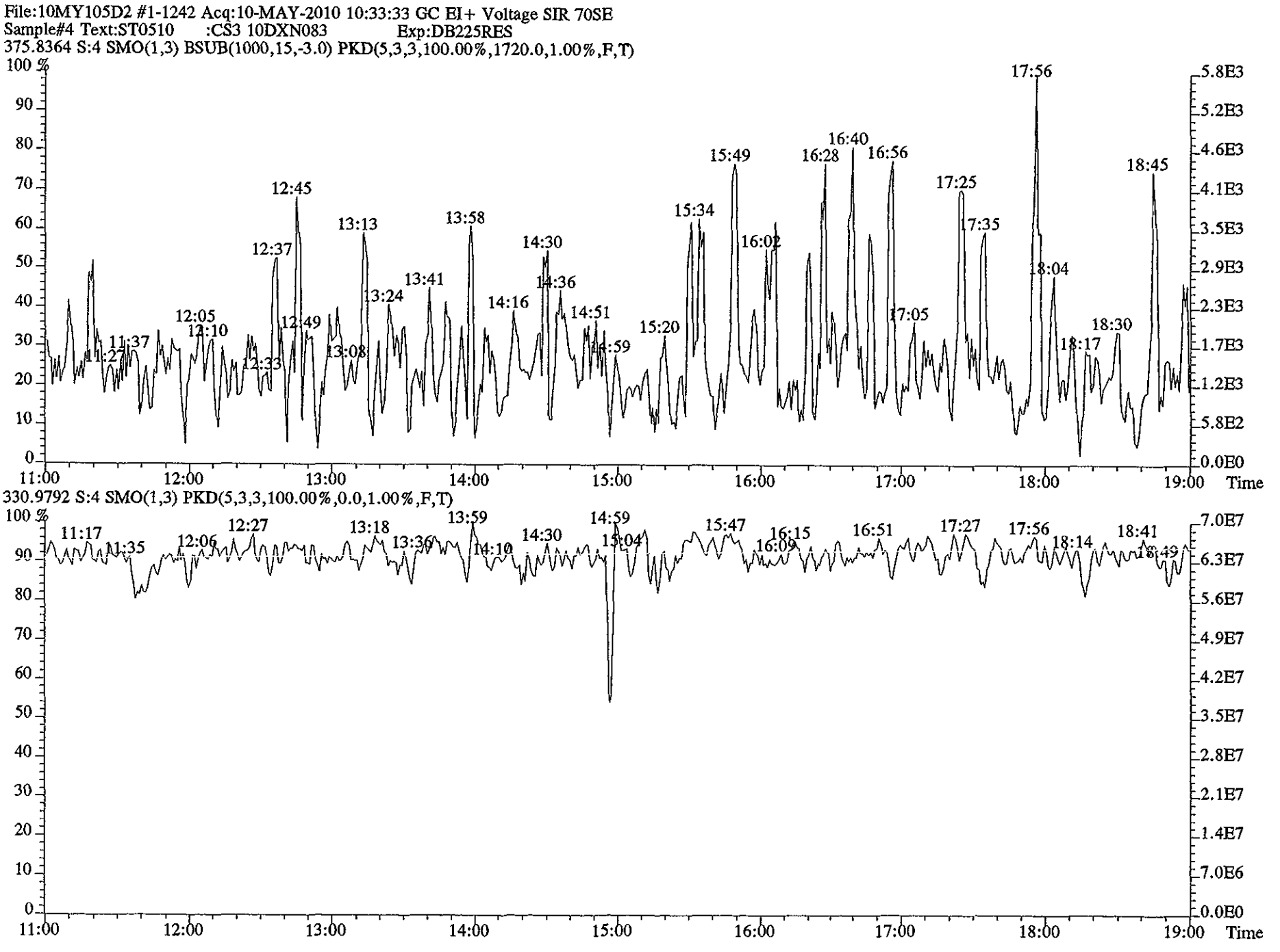


331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14272.0,1.00%,F,T)

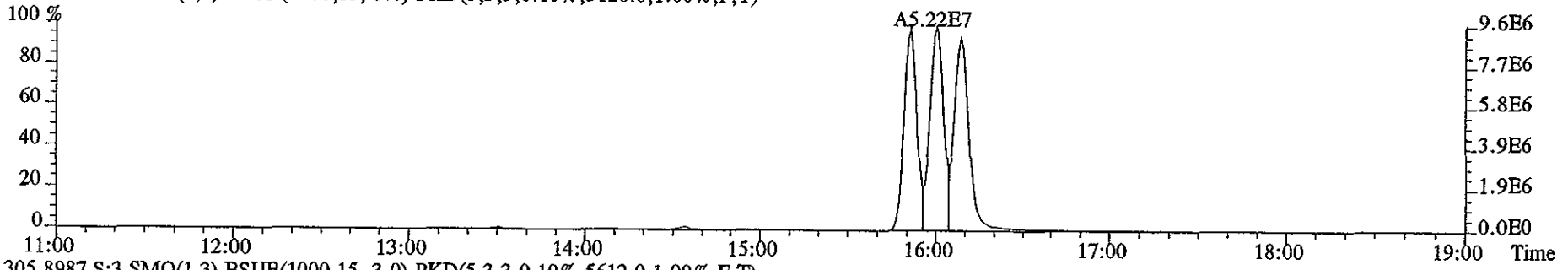


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7800.0,1.00%,F,T)

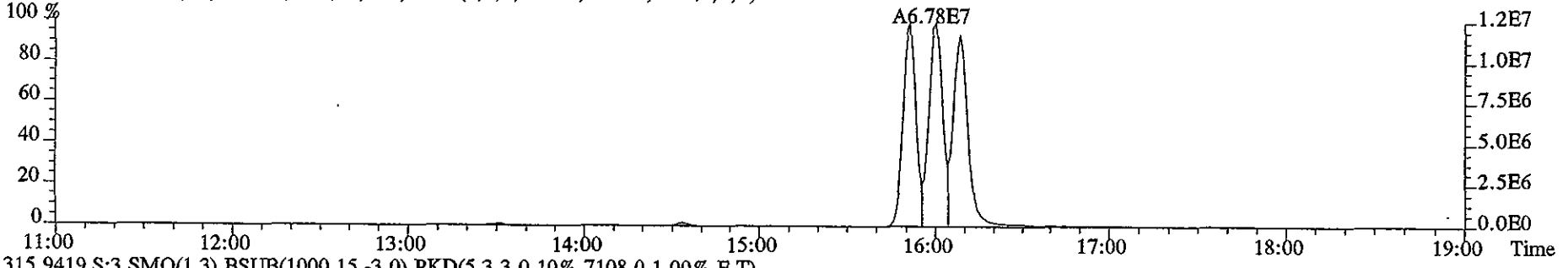




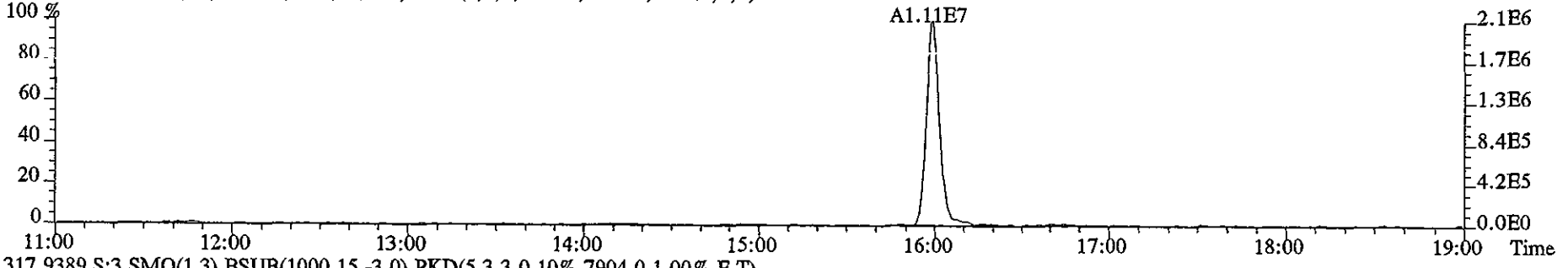
File:10MY105D2 #1-1241 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0510 :DB-225 CPSM 3732-06 Exp:DB225RES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3120.0,1.00%,F,T)



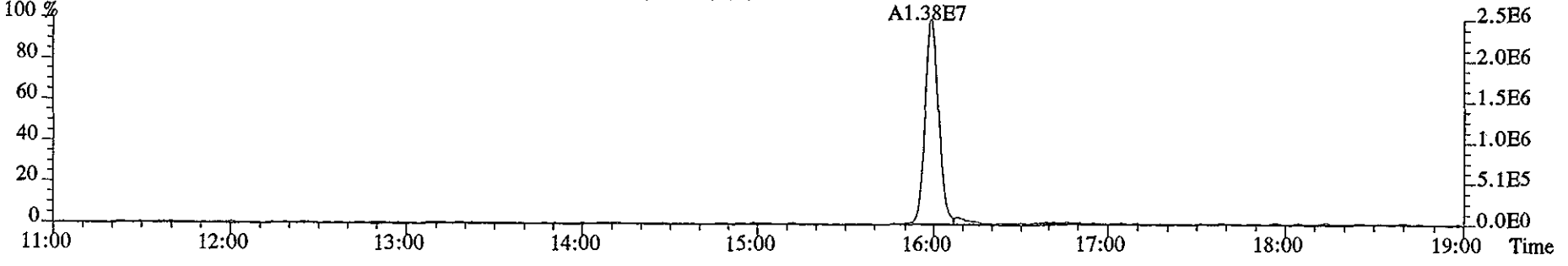
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)



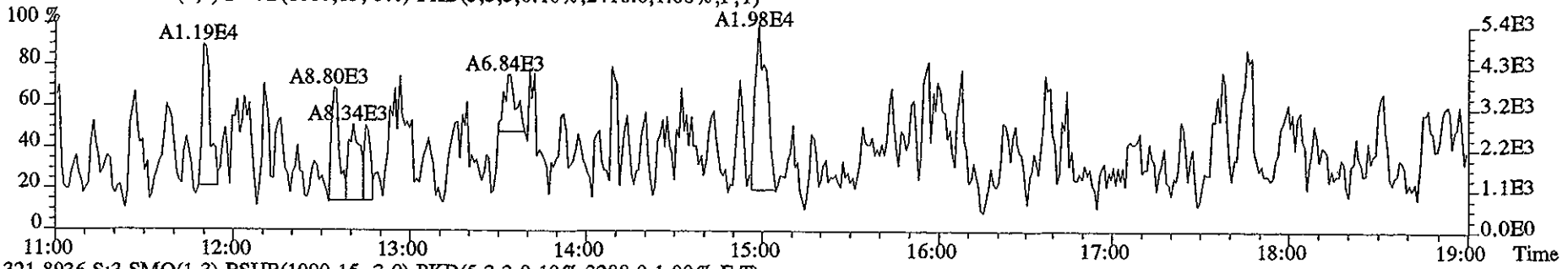
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7108.0,1.00%,F,T)



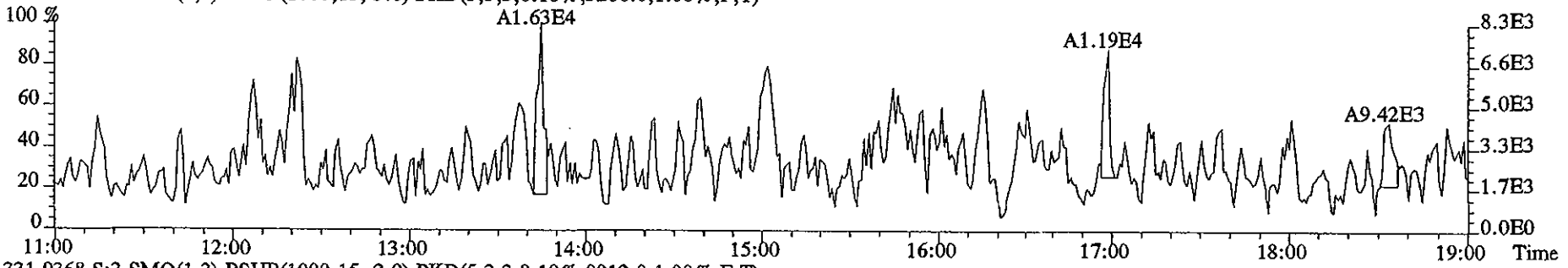
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7904.0,1.00%,F,T)



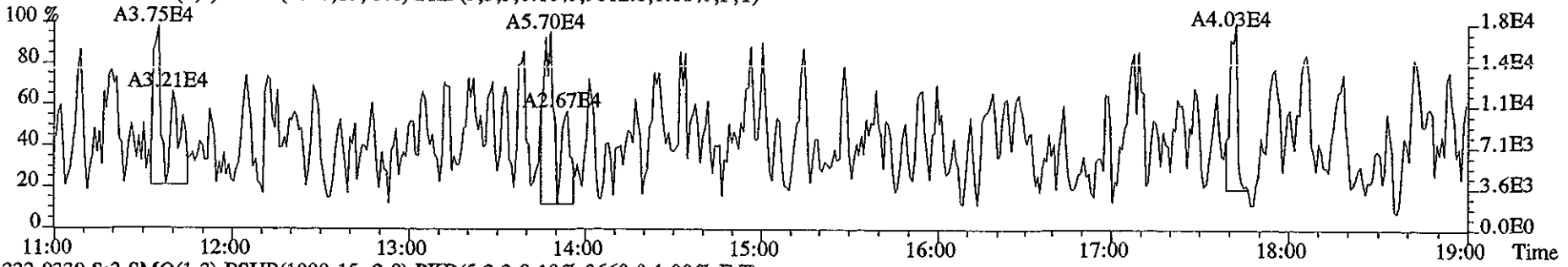
File:10MY105D2 #1-1241 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0510 :DB-225 CPSM 3732-06 Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T)



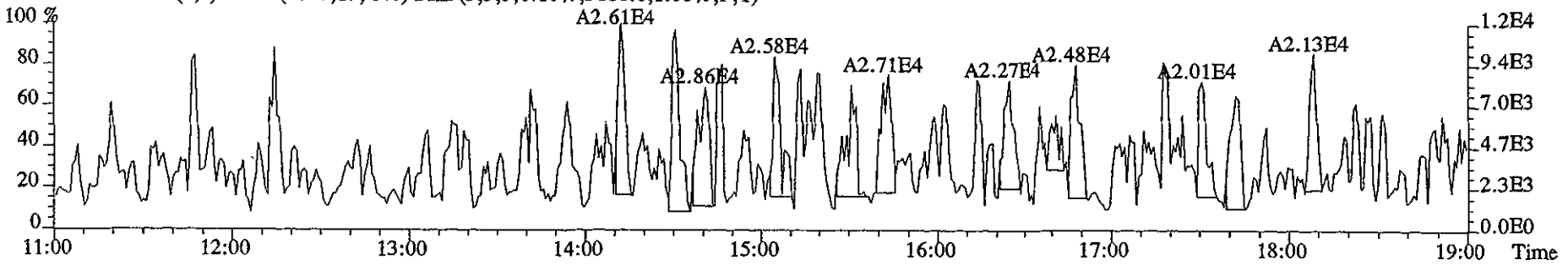
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)



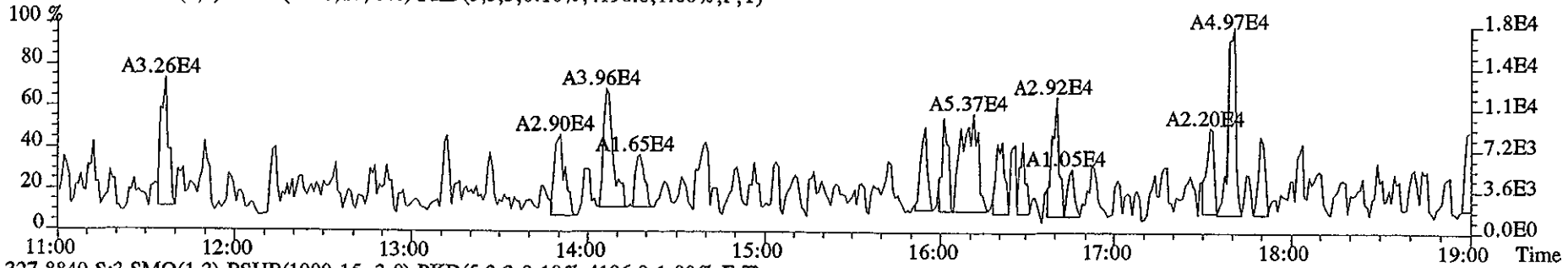
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9012.0,1.00%,F,T)



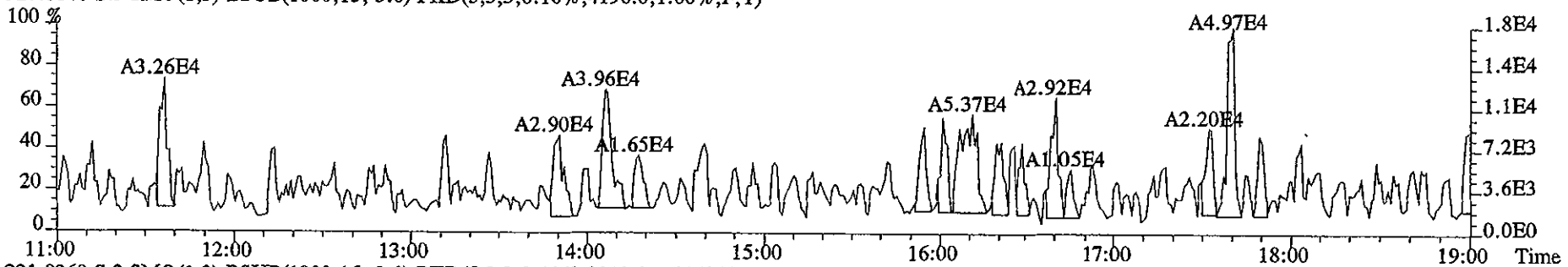
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3660.0,1.00%,F,T)



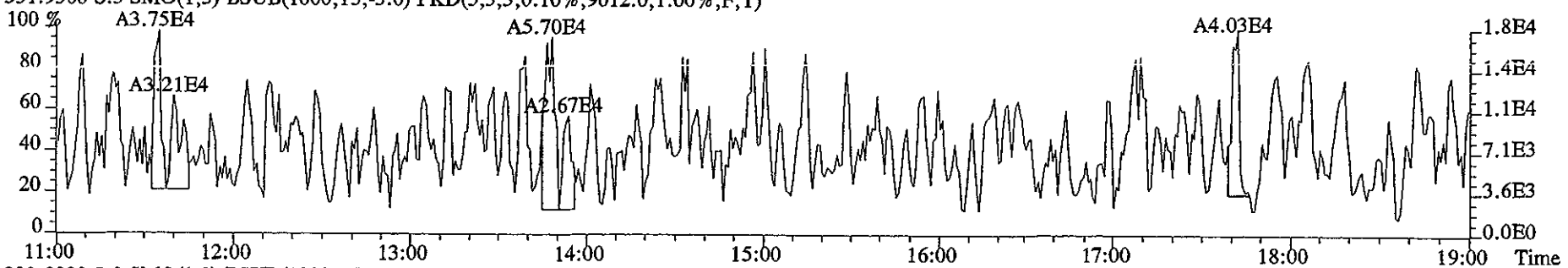
File:10MY105D2 #1-1241 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0510 :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4196.0,1.00%,F,T)



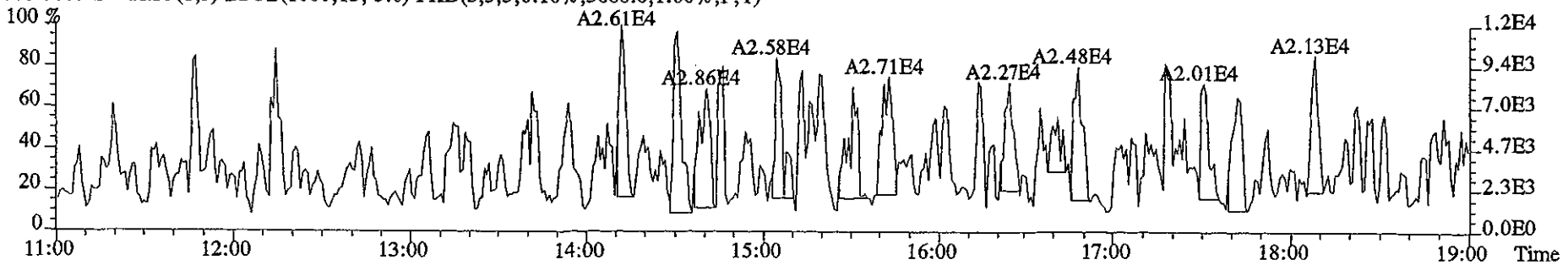
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4196.0,1.00%,F,T)



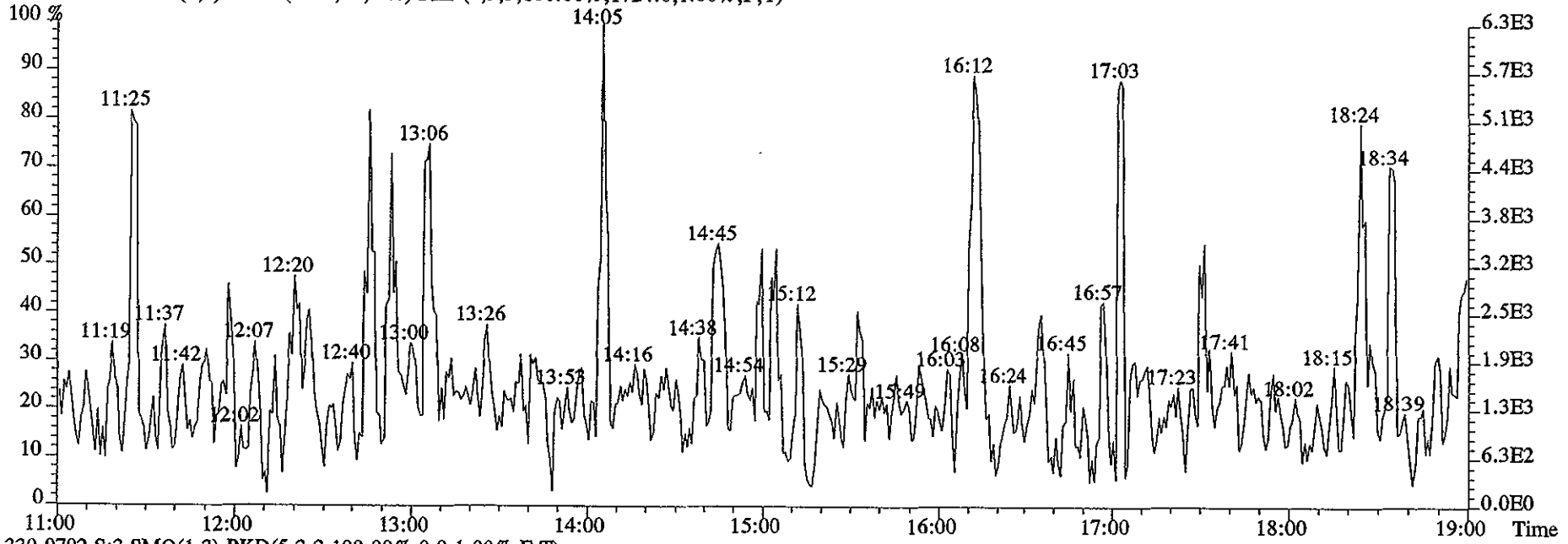
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9012.0,1.00%,F,T)



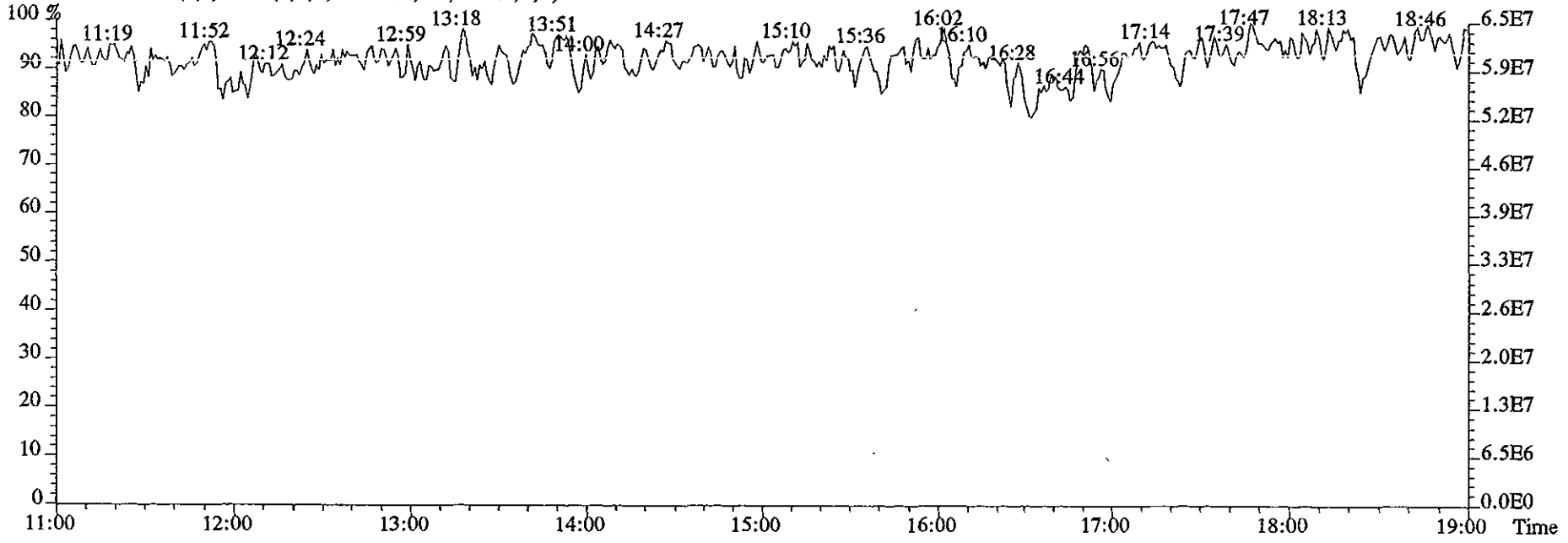
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3660.0,1.00%,F,T)



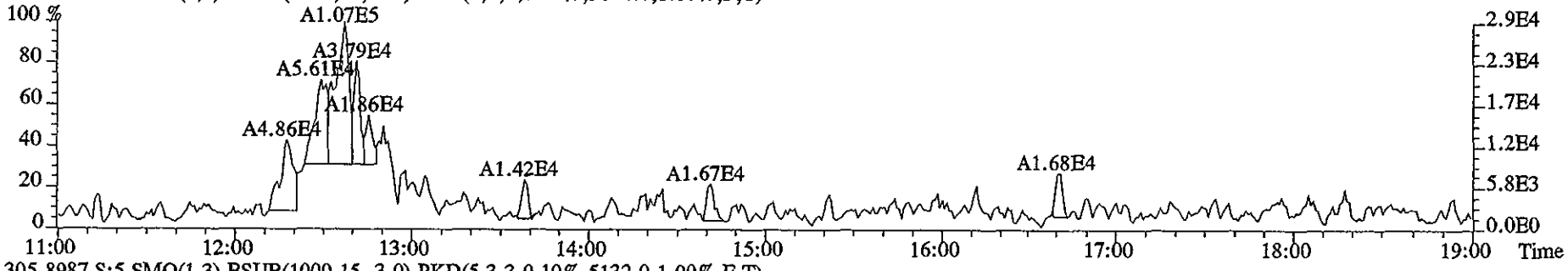
File:10MY105D2 #1-1241 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0510 :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1724.0,1.00%,F,T)



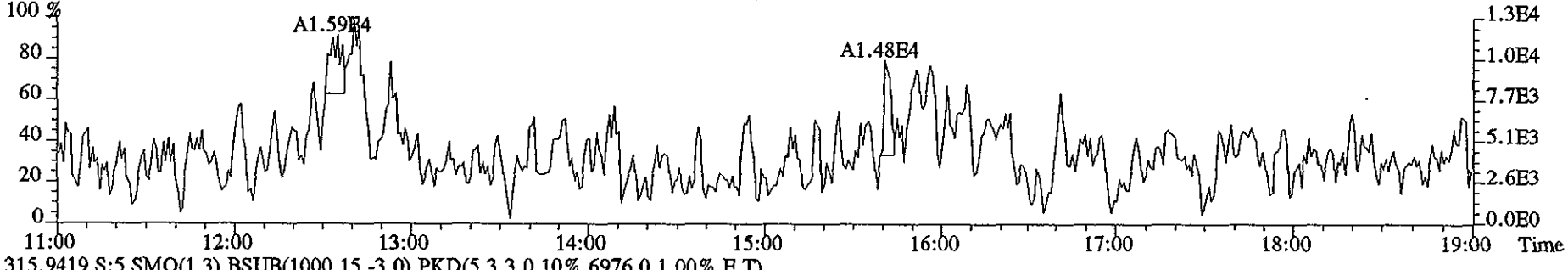
330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



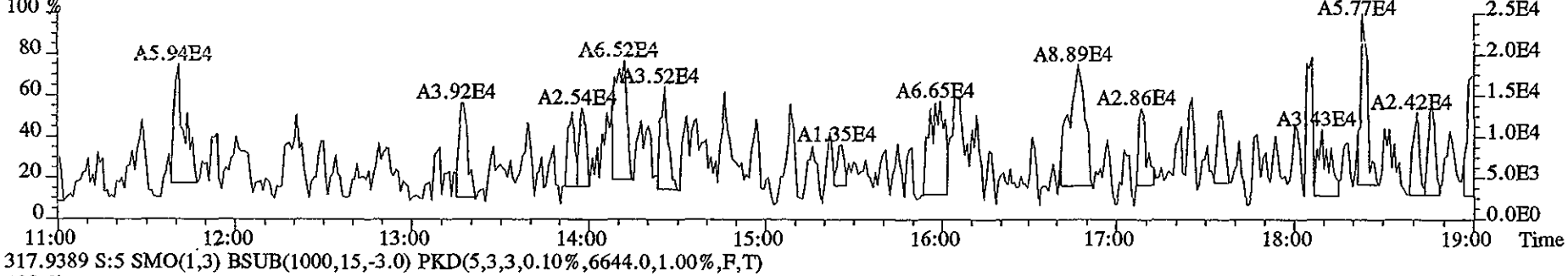
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3064.0,1.00%,F,T)



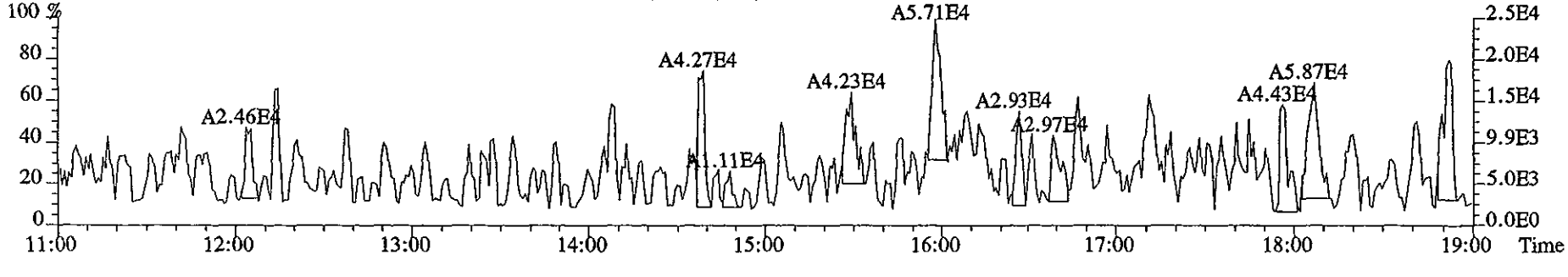
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)



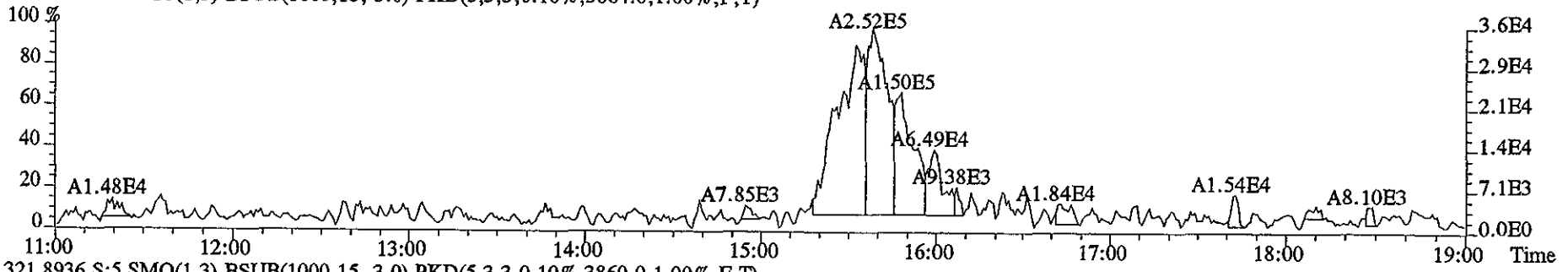
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6976.0,1.00%,F,T)



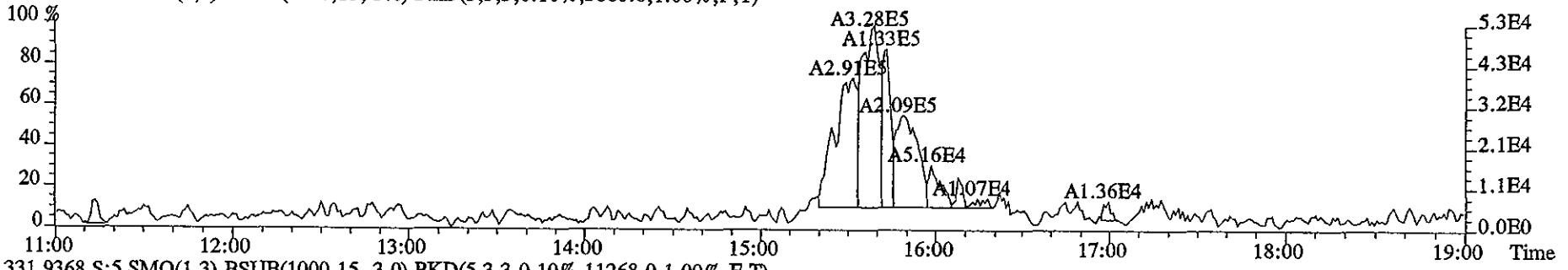
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6644.0,1.00%,F,T)



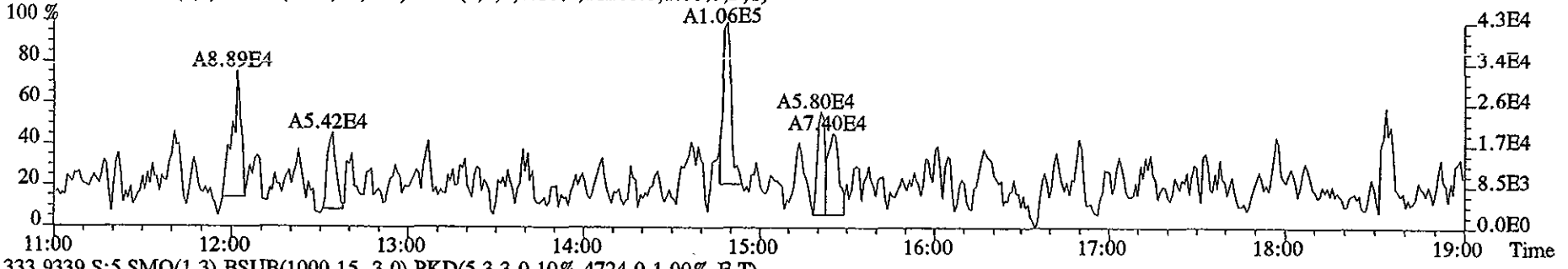
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3064.0,1.00%,F,T)



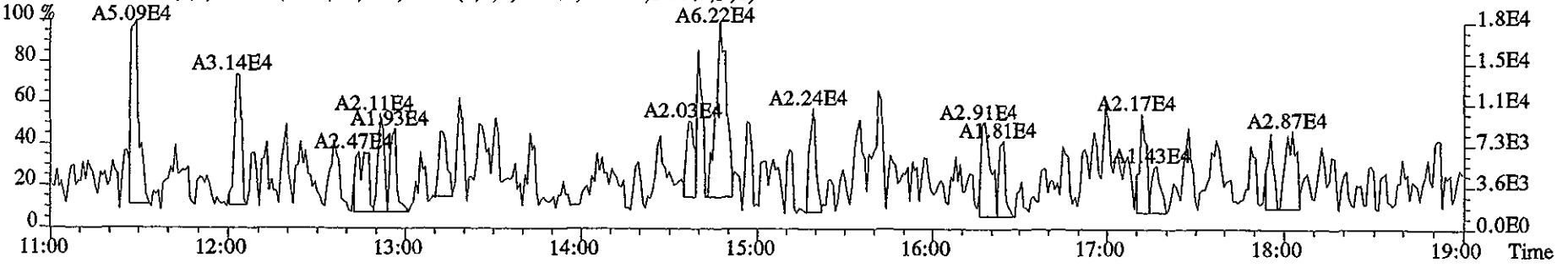
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3860.0,1.00%,F,T)



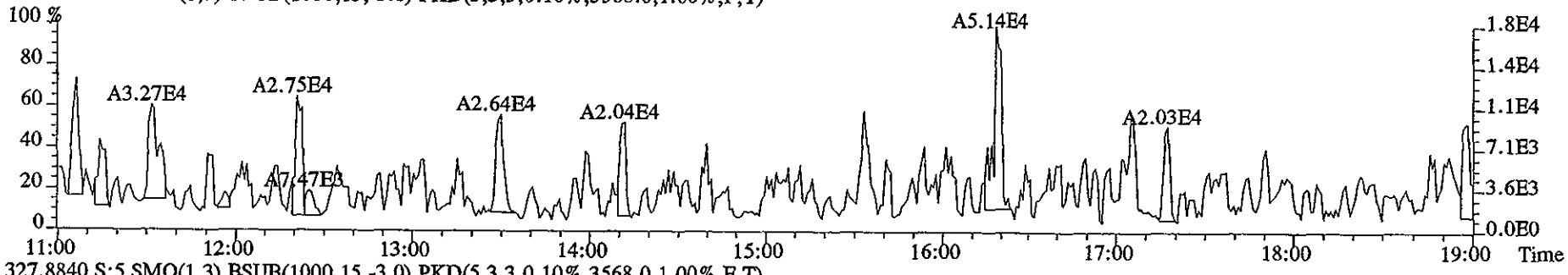
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11268.0,1.00%,F,T)



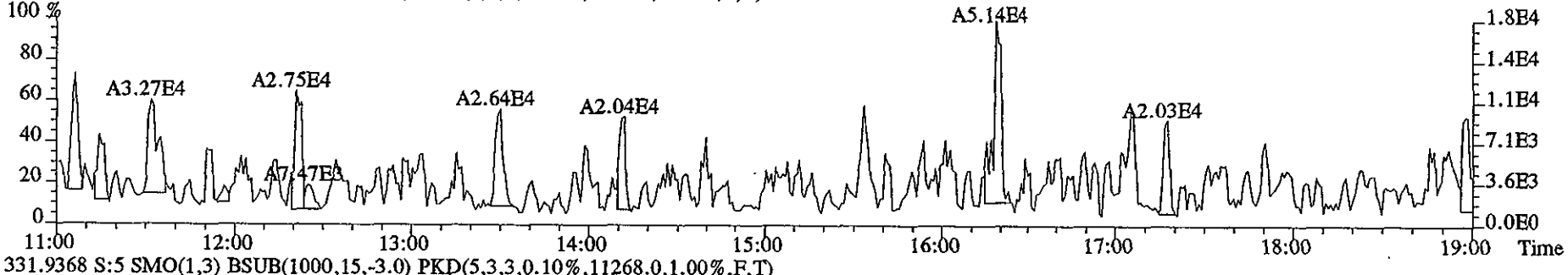
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)



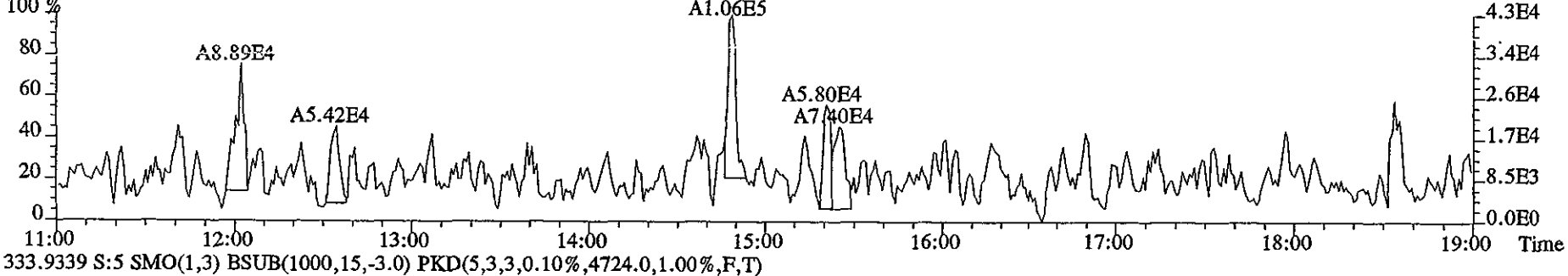
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3568.0,1.00%,F,T)



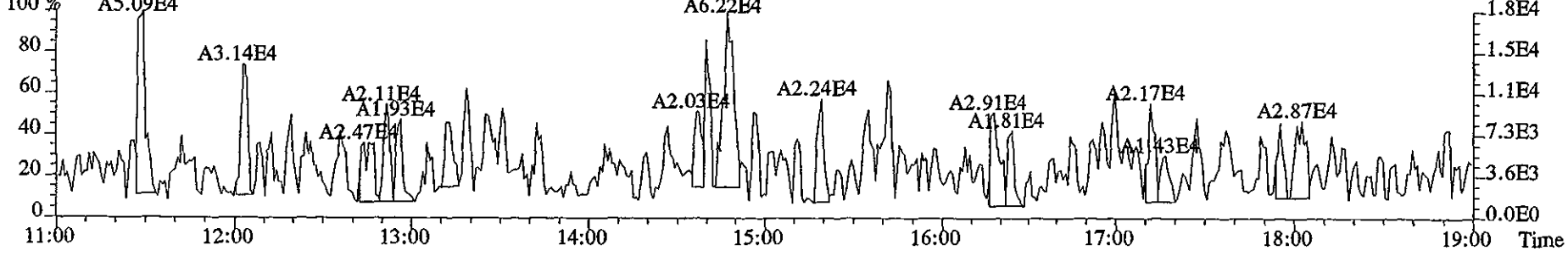
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3568.0,1.00%,F,T)



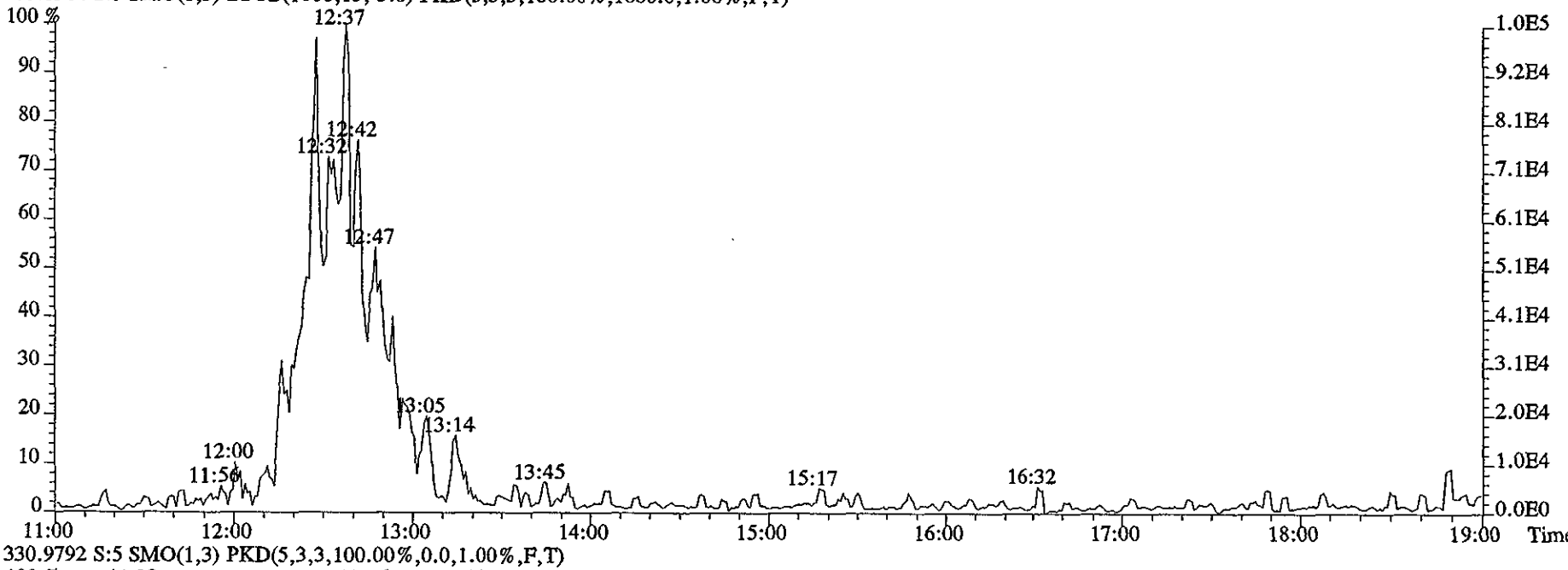
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11268.0,1.00%,F,T)



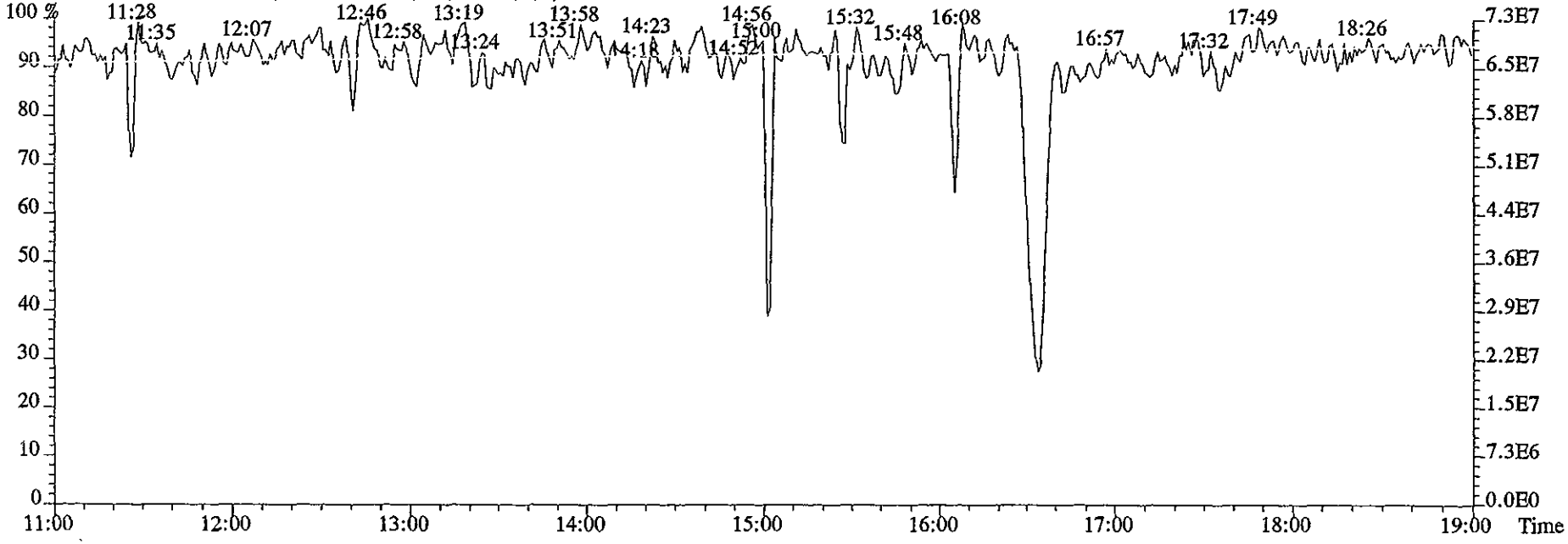
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)



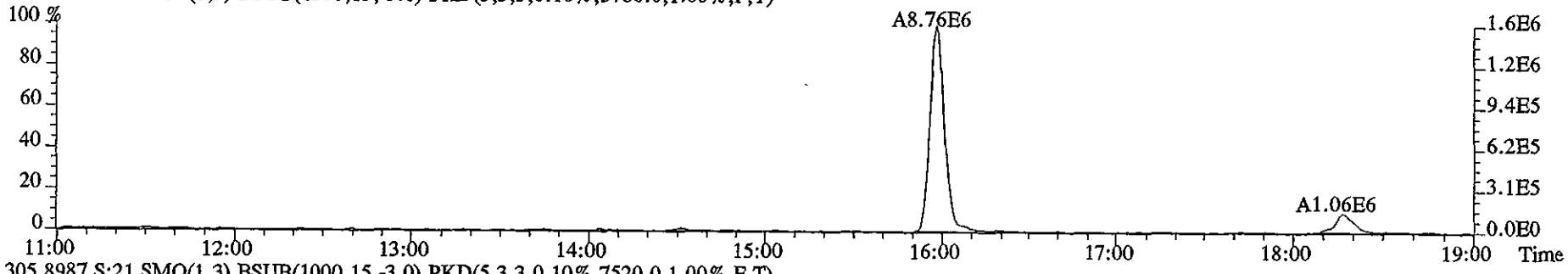
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1680.0,1.00%,F,T)



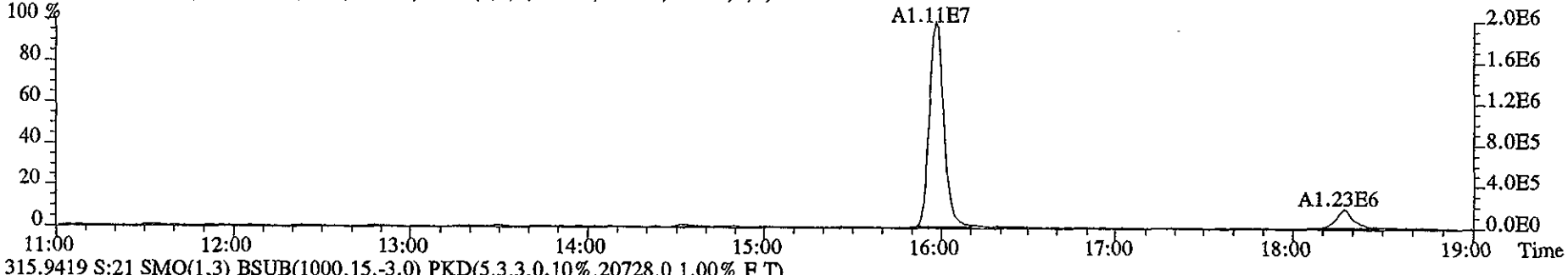
330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



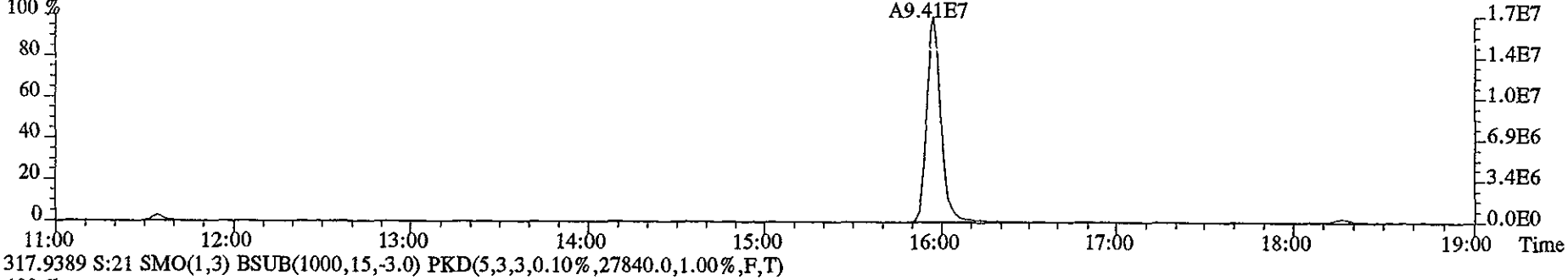
File:10MY105D2 #1-1242 Acq:10-MAY-2010 21:03:37 GC EI+ Voltage SIR 70SE
Sample#21 Text:ST0510A :CS3 10DXN083 Exp:DB225RES
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5780.0,1.00%,F,T)



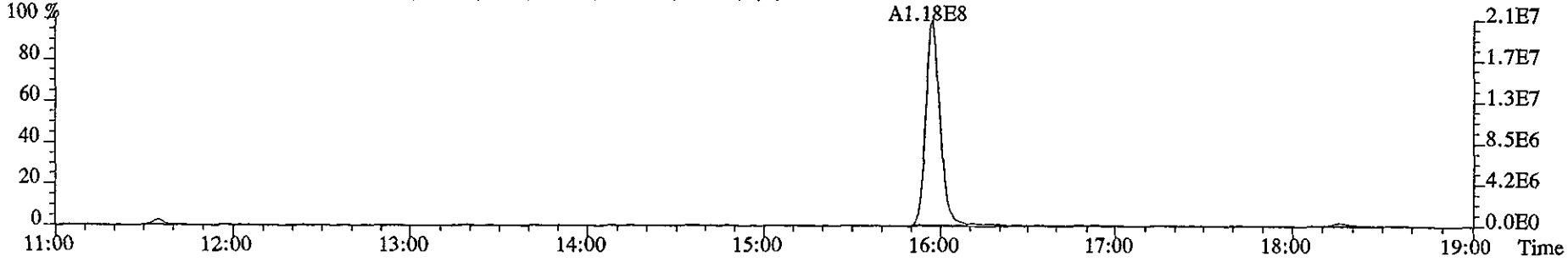
305.8987 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7520.0,1.00%,F,T)



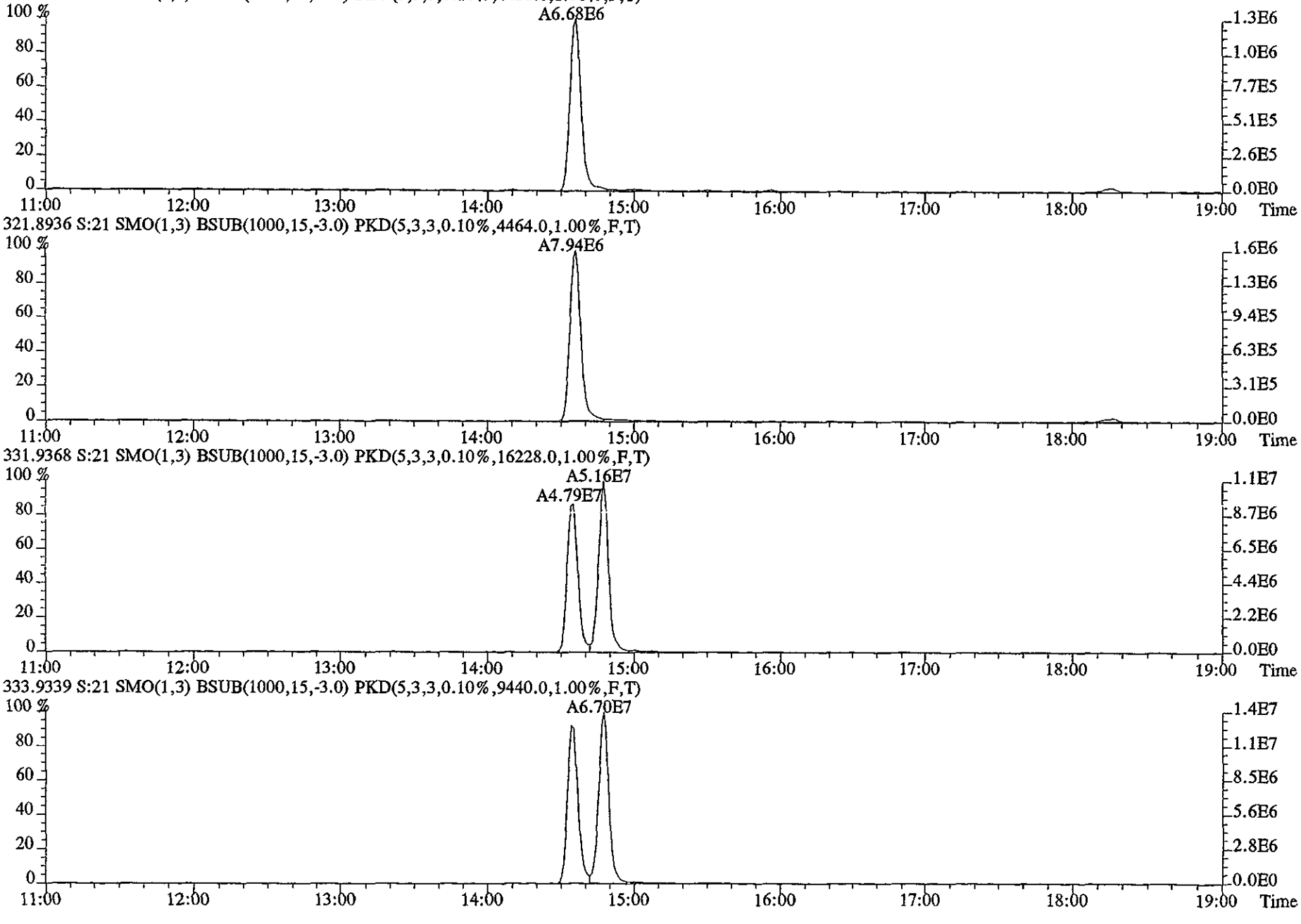
315.9419 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20728.0,1.00%,F,T)



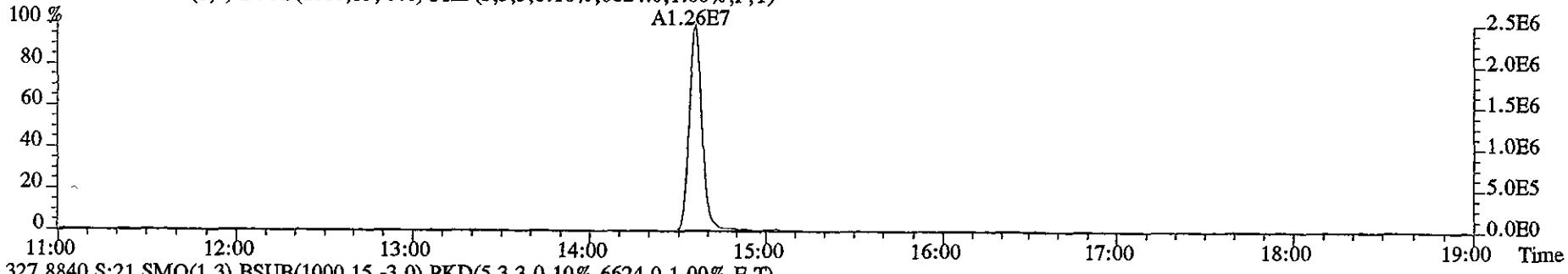
317.9389 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27840.0,1.00%,F,T)



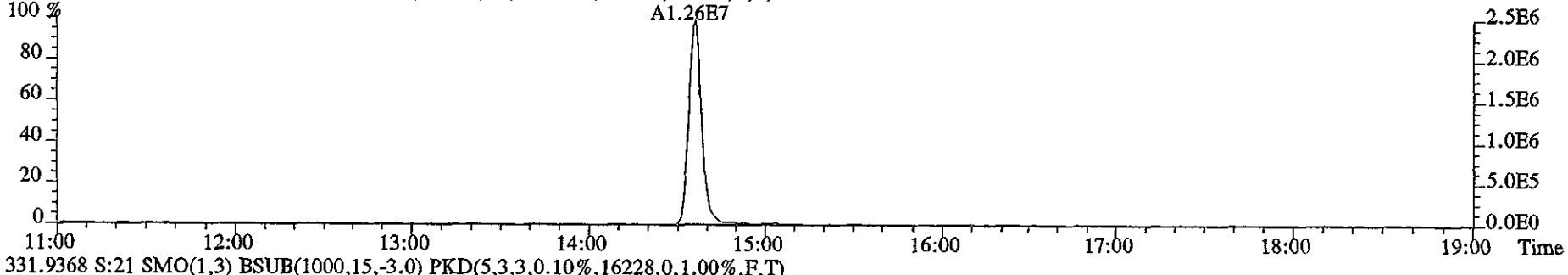
File:10MY105D2 #1-1242 Acq:10-MAY-2010 21:03:37 GC EI+ Voltage SIR 70SE
Sample#21 Text:ST0510A :CS3 10DXN083 Exp:DB225RES



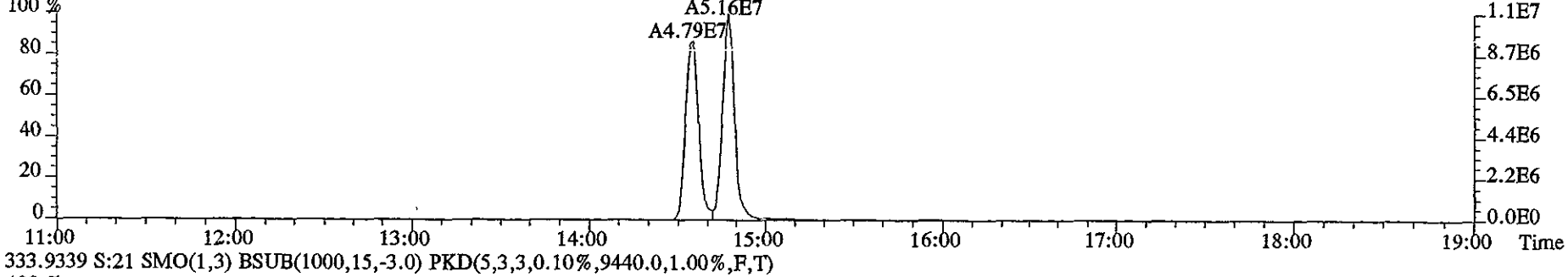
File:10MY105D2 #1-1242 Acq:10-MAY-2010 21:03:37 GC EI+ Voltage SIR 70SE
Sample#21 Text:ST0510A :CS3 10DXN083 Exp:DB225RES
327.8840 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6624.0,1.00%,F,T)



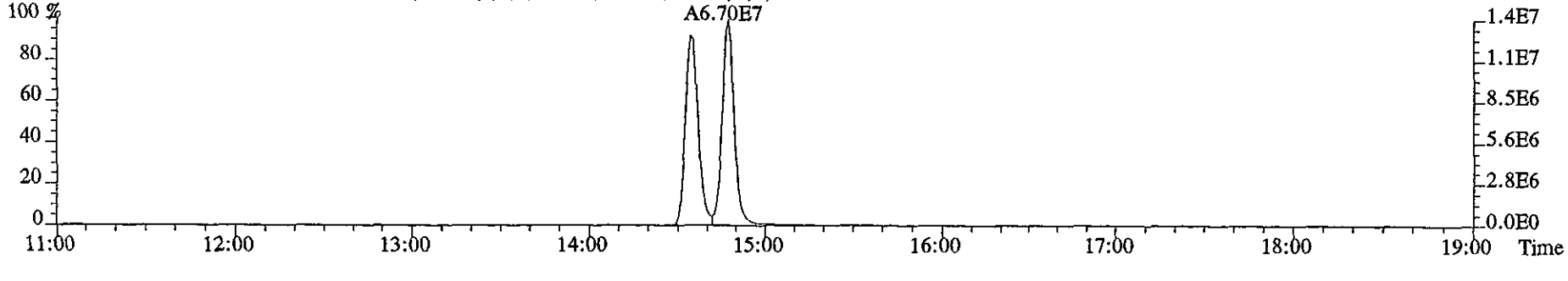
327.8840 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6624.0,1.00%,F,T)



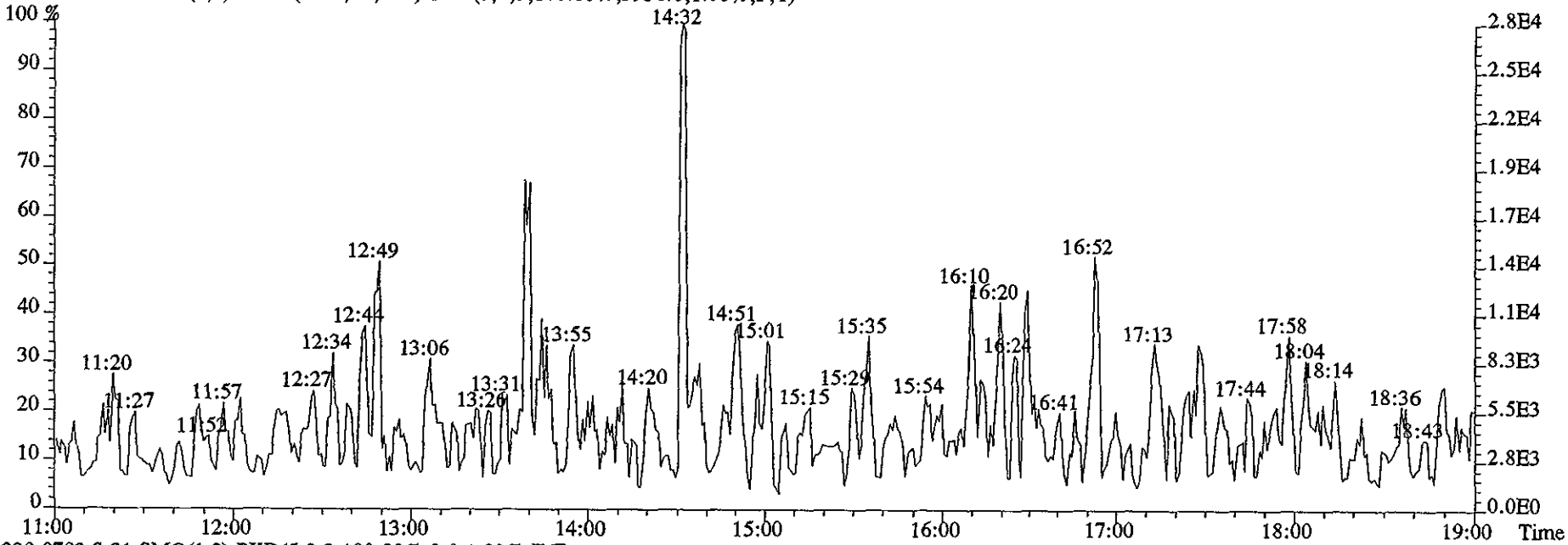
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16228.0,1.00%,F,T)



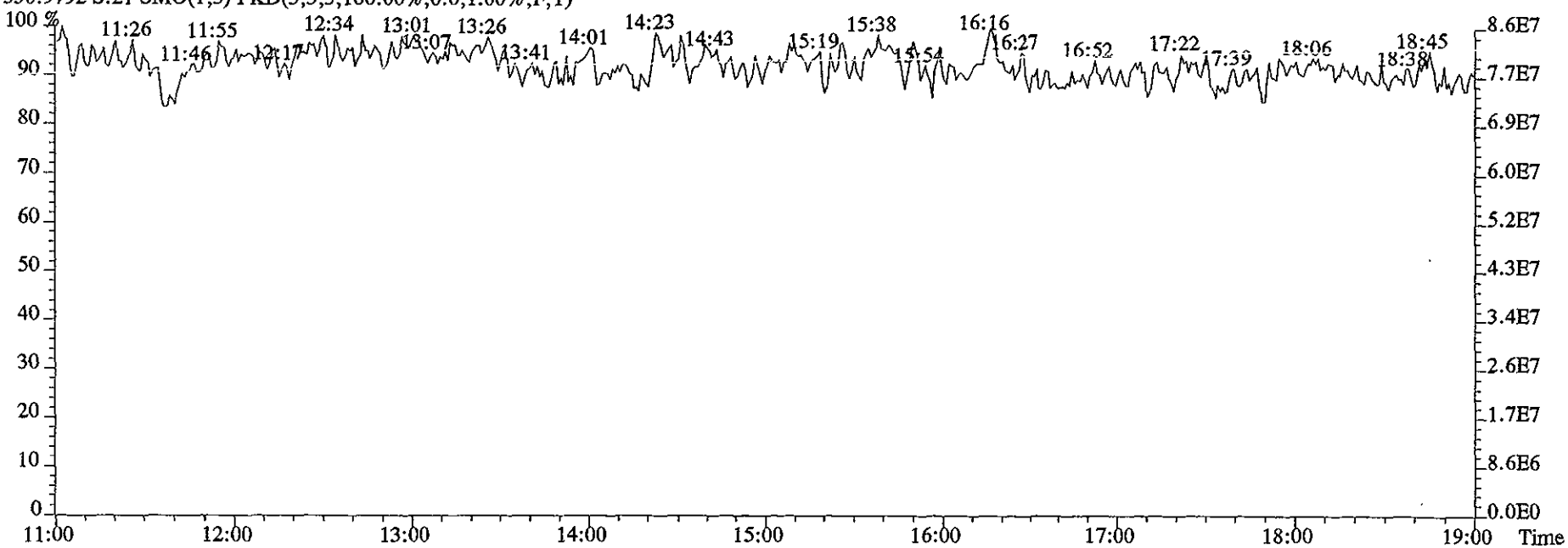
333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9440.0,1.00%,F,T)



File:10MY105D2 #1-1242 Acq:10-MAY-2010 21:03:37 GC EI+ Voltage SIR 70SE
Sample#21 Text:ST0510A :CS3 10DXN083 Exp:DB225RES
375.8364 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3956.0,1.00%,F,T)



330.9792 S:21 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290 **Associated ICAL** 8290A051110405

Column ID DB5 **Instrument ID** 405

STD ID ST0513, ST0513A **STD Solution** 10 OXN126

Analyzed by K.S.S., A.M., M.G. **Date Analyzed** 5/13/10

Std. Pkg. By M.G. **Date Std. Pkg. Assembled** ~~5/14/10~~ 5/15/10 MS 5/15/10

Std. Pkg. Reviewed By VP **Date Std. Pkg. Reviewed** 5.15.10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓ (1)	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS: (1) 28.3% dev. for 1,2,3,4,7,8-HxCDD in ending standard. NCM# 07-0106634

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0513 File text: CS3 10DXN126
Run #6 Filename 13MY104D5 S: 1 I: 1
Acquired: 13-MAY-10 10:31:41 Processed: 13-MAY-10 11:12:24
Run: 11MY10A4D5I┐ Analyte: 8290A Cal: 8290A0511104D5 Results: 13MY104D58290A

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	170973000	0.80	y	20:32	-	100.00	-	n
13C-2,3,7,8-TCDF	252665000	0.79	y	19:55	1.48	100.00	0.2	n
2,3,7,8-TCDF	26156000	0.79	y	19:56	1.04	10.00	1.8	n
Total TCDF	26525369	0.56	n	17:58	1.04	10.00	1.8	n
13C-2,3,7,8-TCDD	175053300	0.79	y	20:45	1.02	100.00	2.8	n
2,3,7,8-TCDD	18273000	0.78	y	20:46	1.04	10.00	5.3	n
Total TCDD	18388898	3.10	n	19:55	1.04	10.00	5.3	n
37Cl-2,3,7,8-TCDD	39543200	1.00	y	20:46	2.31	10.00	3.2	n
13C-1,2,3,7,8-PeCDF	200217900	1.57	y	25:58	1.17	100.00	2.0	n
1,2,3,7,8-PeCDF	112702900	1.55	y	26:00	1.13	50.00	6.3	n
2,3,4,7,8-PeCDF	108678300	1.54	y	27:35	1.09	50.00	7.3	n
Total F2 PeCDF	223039588	1.78	y	24:20	1.11	100.00	6.8	n
Total F1 PeCDF	24059	0.76	n	17:29	1.11	100.00	6.8	n
13C-1,2,3,7,8-PeCDD	133228100	1.55	y	28:27	0.78	100.00	5.9	n
1,2,3,7,8-PeCDD	68596300	1.57	y	28:29	1.03	50.00	3.0	n
Total PeCDD	68596300	1.57	y	28:29	1.03	50.00	3.0	n
13C-1,2,3,7,8,9-HxCDD	143459800	1.25	y	33:37	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	131991100	0.51	y	32:34	0.92	100.00	-1.2	n
1,2,3,4,7,8-HxCDF	89598300	1.23	y	32:35	1.36	50.00	6.9	n
1,2,3,6,7,8-HxCDF	124244700	1.26	y	32:40	1.88	50.00	13.4	n
2,3,4,6,7,8-HxCDF	107941100	1.23	y	33:11	1.64	50.00	14.1	n
1,2,3,7,8,9-HxCDF	92729100	1.33	y	33:47	1.41	50.00	12.1	n
Total HxCDF	414695196	1.43	n	31:39	1.57	200.00	11.8	n
13C-1,2,3,6,7,8-HxCDD	130145100	1.27	y	33:22	0.91	100.00	2.7	n
1,2,3,4,7,8-HxCDD	60997200	1.27	y	33:18	0.94	50.00	12.3	n
1,2,3,6,7,8-HxCDD	78422500	1.31	y	33:22	1.21	50.00	4.3	n
1,2,3,7,8,9-HxCDD	82836600	1.30	y	33:37	1.27	50.00	9.0	n
Total HxCDD	222256300	1.27	y	33:18	1.14	150.00	8.2	n
13C-1,2,3,4,6,7,8-HpCDF	126051600	0.43	y	35:09	0.88	100.00	1.4	n
1,2,3,4,6,7,8-HpCDF	91070100	0.98	y	35:09	1.44	50.00	7.5	n
1,2,3,4,7,8,9-HpCDF	77098800	0.97	y	36:19	1.22	50.00	10.6	n
Total HpCDF	168168900	0.98	y	35:09	1.33	100.00	8.9	n
13C-1,2,3,4,6,7,8-HpCDD	113018700	1.05	y	35:58	0.79	100.00	7.4	n
1,2,3,4,6,7,8-HpCDD	63506600	1.05	y	35:59	1.12	50.00	7.7	n
Total HpCDD	63823188	1.02	y	35:24	1.12	50.00	7.7	n
13C-OCDD	168396400	0.90	y	38:34	0.59	200.00	13.2	n
OCDF	136475700	0.91	y	38:42	1.62	100.00	5.0	n
OCDD	102874800	0.88	y	38:35	1.22	100.00	6.6	n

Run text: ST0513A File text: ST0513A :CS3 10DXN126
Run #18 Filename 13MY104D5 S: 17 I: 1
Acquired: 13-MAY-10 22:45:11 Processed: 13-MAY-10 23:31:01
Run: 13MY104D5 Analyte: 8290A Cal: 8290A0511104D5 Results: 13MY104D58290A

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	177177500	0.79	y	20:31	-	100.00	-	n
13C-2,3,7,8-TCDF	241924000	0.80	y	19:53	1.37	100.00	-7.4	n
2,3,7,8-TCDF	25380000	0.77	y	19:55	1.05	10.00	3.2	n
Total TCDF	25750872	0.95	n	17:03	1.05	10.00	3.2	n
13C-2,3,7,8-TCDD	181779000	0.79	y	20:44	1.03	100.00	3.0	n
2,3,7,8-TCDD	18757000	0.78	y	20:46	1.03	10.00	4.1	n
Total TCDD	18973691	0.37	n	18:07	1.03	10.00	4.1	n
37Cl-2,3,7,8-TCDD	42101400	1.00	y	20:46	2.38	10.00	6.0	n
13C-1,2,3,7,8-PeCDF	218452600	1.57	y	25:57	1.23	100.00	7.4	n
1,2,3,7,8-PeCDF	123836800	1.59	y	25:59	1.13	50.00	7.1	n
2,3,4,7,8-PeCDF	120596600	1.56	y	27:34	1.10	50.00	9.1	n
Total F2 PeCDF	245731497	1.79	n	24:18	1.12	100.00	8.1	n
Total F1 PeCDF	53206	1.05	n	22:28	1.12	100.00	8.1	n
13C-1,2,3,7,8-PeCDD	145738200	1.53	y	28:26	0.82	100.00	11.7	n
1,2,3,7,8-PeCDD	76136900	1.60	y	28:28	1.04	50.00	4.5	n
Total PeCDD	76390477	1.60	y	28:28	1.04	50.00	4.5	n
13C-1,2,3,7,8,9-HxCDD	158930400	1.25	y	33:36	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	158569800	0.53	y	32:33	1.00	100.00	7.2	n
1,2,3,4,7,8-HxCDF	106239800	1.27	y	32:34	1.34	50.00	5.5	n
1,2,3,6,7,8-HxCDF	124243800	1.28	y	32:40	1.57	50.00	-5.6	n
2,3,4,6,7,8-HxCDF	112572700	1.27	y	33:09	1.42	50.00	-0.9	n
1,2,3,7,8,9-HxCDF	102634500	1.23	y	33:47	1.29	50.00	3.3	n
Total HxCDF	445944286	1.35	y	31:37	1.41	200.00	0.1	n
13C-1,2,3,6,7,8-HxCDD	135456100	1.24	y	33:21	0.85	100.00	-3.5	n
1,2,3,4,7,8-HxCDD	72502500	1.27	y	33:17	1.07	50.00	28.3	y
1,2,3,6,7,8-HxCDD	87869400	1.32	y	33:21	1.30	50.00	12.3	y
1,2,3,7,8,9-HxCDD	89883200	1.31	y	33:36	1.33	50.00	13.7	n
Total HxCDD	250255100	1.27	y	33:17	1.23	150.00	17.0	y
13C-1,2,3,4,6,7,8-HpCDF	150948100	0.44	y	35:08	0.95	100.00	9.7	n
1,2,3,4,6,7,8-HpCDF	108624900	0.99	y	35:08	1.44	50.00	7.1	n
1,2,3,4,7,8,9-HpCDF	94751500	1.00	y	36:18	1.26	50.00	13.5	n
Total HpCDF	204809913	0.99	y	35:08	1.35	100.00	9.9	n
13C-1,2,3,4,6,7,8-HpCDD	134811900	1.05	y	35:58	0.85	100.00	15.6	n
1,2,3,4,6,7,8-HpCDD	75542900	1.05	y	35:59	1.12	50.00	7.4	n
Total HpCDD	76054524	1.03	y	35:24	1.12	50.00	7.4	n
13C-OCDD	199847800	0.92	y	38:34	0.63	200.00	21.2	n
OCDF	162495100	0.91	y	38:42	1.63	100.00	5.3	n
OCDD	124117400	0.90	y	38:35	1.24	100.00	8.4	n

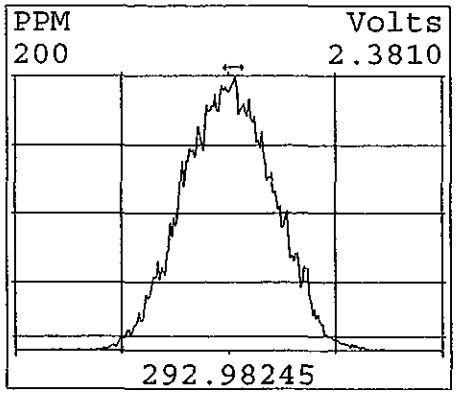
Run text: ST0513A File text: ST0513A :CS3 10DXN126
Run #18 Filename 13MY104D5 S: 17 I: 1
Acquired: 13-MAY-10 22:45:11 Processed: 13-MAY-10 23:31:01
Run: 13MY104D5 Analyte: 8290A Cal: 8290A0511104D5 Results: 13MY104D58290A

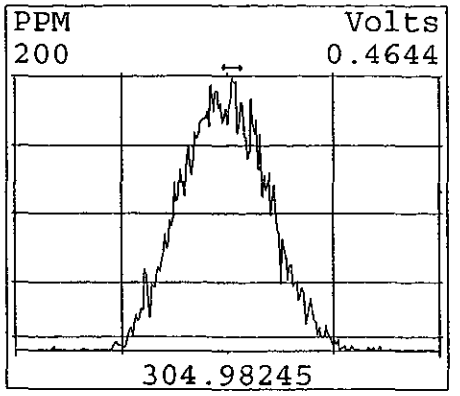
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	177177500	0.79	y	20:31	-	100.00	-	n
13C-2,3,7,8-TCDF	241924000	0.80	y	19:53	1.37	100.00	-7.4	n
2,3,7,8-TCDF	25380000	0.77	y	19:55	1.05	10.00	3.2	n
Total TCDF	25750872	0.95	n	17:03	1.05	10.00	3.2	n
13C-2,3,7,8-TCDD	181779000	0.79	y	20:44	1.03	100.00	3.0	n
2,3,7,8-TCDD	18757000	0.78	y	20:46	1.03	10.00	4.1	n
Total TCDD	18973691	0.37	n	18:07	1.03	10.00	4.1	n
37Cl-2,3,7,8-TCDD	42101400	1.00	y	20:46	2.38	10.00	6.0	n
13C-1,2,3,7,8-PeCDF	218452600	1.57	y	25:57	1.23	100.00	7.4	n
1,2,3,7,8-PeCDF	123836800	1.59	y	25:59	1.13	50.00	7.1	n
2,3,4,7,8-PeCDF	120596600	1.56	y	27:34	1.10	50.00	9.1	n
Total F2 PeCDF	245731497	1.79	n	24:18	1.12	100.00	8.1	n
Total F1 PeCDF	53206	1.05	n	22:28	1.12	100.00	8.1	n
13C-1,2,3,7,8-PeCDD	145738200	1.53	y	28:26	0.82	100.00	11.7	n
1,2,3,7,8-PeCDD	76136900	1.60	y	28:28	1.04	50.00	4.5	n
Total PeCDD	76390477	1.60	y	28:28	1.04	50.00	4.5	n
13C-1,2,3,7,8,9-HxCDD	158930400	1.25	y	33:36	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	158569800	0.53	y	32:33	1.00	100.00	7.2	n
1,2,3,4,7,8-HxCDF	106239800	1.27	y	32:34	1.34	50.00	5.5	n
1,2,3,6,7,8-HxCDF	124243800	1.28	y	32:40	1.57	50.00	-5.6	n
2,3,4,6,7,8-HxCDF	112572700	1.27	y	33:09	1.42	50.00	-0.9	n
1,2,3,7,8,9-HxCDF	102634500	1.23	y	33:47	1.29	50.00	3.3	n
Total HxCDF	445944286	1.35	y	31:37	1.41	200.00	0.1	n
13C-1,2,3,6,7,8-HxCDD	135456100	1.24	y	33:21	0.85	100.00	-3.5	n
1,2,3,4,7,8-HxCDD	65606912	1.48	n	33:17	0.97	50.00	16.1	n
1,2,3,6,7,8-HxCDD	87560300	1.17	y	33:21	1.29	50.00	11.9	n
1,2,3,7,8,9-HxCDD	89883100	1.31	y	33:36	1.33	50.00	13.7	n
Total HxCDD	243050312	1.48	n	33:17	1.20	150.00	13.7	n
13C-1,2,3,4,6,7,8-HpCDF	150948100	0.44	y	35:08	0.95	100.00	9.7	n
1,2,3,4,6,7,8-HpCDF	108624900	0.99	y	35:08	1.44	50.00	7.1	n
1,2,3,4,7,8,9-HpCDF	94751500	1.00	y	36:18	1.26	50.00	13.5	n
Total HpCDF	204809913	0.99	y	35:08	1.35	100.00	9.9	n
13C-1,2,3,4,6,7,8-HpCDD	134811900	1.05	y	35:58	0.85	100.00	15.6	n
1,2,3,4,6,7,8-HpCDD	75542900	1.05	y	35:59	1.12	50.00	7.4	n
Total HpCDD	76054524	1.03	y	35:24	1.12	50.00	7.4	n
13C-OCDD	199847800	0.92	y	38:34	0.63	200.00	21.2	n
OCDF	162495100	0.91	y	38:42	1.63	100.00	5.3	n
OCDD	124117400	0.90	y	38:35	1.24	100.00	8.4	n

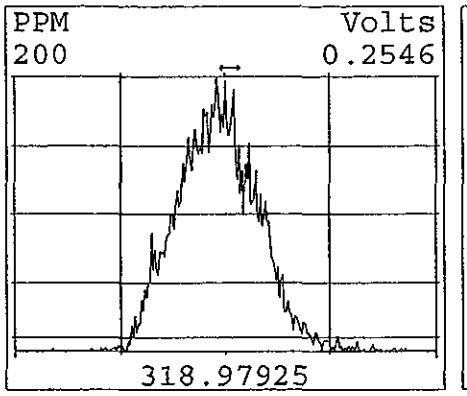
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
13MY104D5	1	ST0513	CS3 10DXN126				1.00000	
13MY104D5	2	CP0513	DB-5 CPSM 3732-05				1.00000	
13MY104D5	3	SB0513	Solvent Blank C-14				1.00000	
13MY104D5	4	L07AC-1-ACC	G0E070000-330 (626-1LCS)	20	8290/SOLID	95	10.00000	g
13MY104D5	5	L094L-1-AAB	G0E080515-5MB	20	8290/SOLID	99	5.00000	g
13MY104D5	6	L086X-1-AC	G0E080515-5	20	8290/SOLID		0.20080	g
13MY104D5	7	L0860-1-AC	G0E080515-6	20	8290/SOLID		0.05450	g
13MY104D5	8	L0860-1-AC	G0E080515-6 RI	20	8290/SOLID		0.05450	g
13MY104D5	9	L1A8E-1-ACC	G0E110000-258 (515-7LCS)	20	8290/SOLID	100	5.00000	g
13MY104D5	10	L1A8E-1-AAB	G0E110000-258 (515-7MB)	20	8290/SOLID		5.00000	g
13MY104D5	11	L0860-1-AC	G0E080515-6 RI	20	8290/SOLID	99 ~~95~~	0.05450	g
13MY104D5	12	L0860-1-ADS	G0E080515-6S	20	8290/SOLID		0.05350	g
13MY104D5	13	L0860-1-AED	G0E080515-6D	20	8290/SOLID		0.05390	g
13MY104D5	14	LX5X6-1-AE	G0D170485-15(20X)RI	10	8290/SOLID	80	10.24000	g
13MY104D5	15	SB0513A	Solvent Blank C-14				1.00000	
13MY104D5	16	CP0513A	DB-5 CPSM 3732-05				1.00000	
13MY104D5	17	ST0513A	CS3 10DXN126				1.00000	
13MY104D5	18	SB0513B	Solvent Blank C-14				1.00000	
13MY104D5	19	ST0513B	CS3 10DXN126				1.00000	
13MY104D5	20	SB0513C	Solvent Blank C-14				1.00000	
13MY104D5	21	L0JEP-1-AA	G0D260000-296B	10	8290/SOLID	83	10.00000	g
13MY104D5	22	L0JEP-1-AC	G0D260000-296C	10	8290/SOLID		10.00000	g
13MY104D5	23	L0861-1-AD	G0E080515-7	20	8290/SOLID	100	0.10780	g
13MY104D5	24	L0862-1-AD	G0E080515-8	20	8290/SOLID		0.05020	g
13MY104D5	25	L0863-1-AD	G0E080515-9	20	8290/SOLID		0.10550	g
13MY104D5	26	L0864-1-AD	G0E080515-10	20	8290/SOLID		1.03100	g
13MY104D5	27	LX31A-1-AE	G0D160486-65	10	8290/SOLID	83	10.45000	g
13MY104D5	28	LX31A-1-AF	G0D160486-65S	10	8290/SOLID		10.25000	g
13MY104D5	29	LX31A-1-AG	G0D160486-65D	10	8290/SOLID		10.18000	g
13MY104D5	30	ST0513C	CS3 10DXN049				1.00000	
13MY104D5	31	CP0513B	DB-5 CPSM 3732-05				1.00000	
13MY104D5	32	SB0513D	Solvent Blank C-14				1.00000	
13MY104D5	33	L0C1R-1-CF	F0D220480-1	20	8290/SOLID	87	10.32500	g
13MY104D5	34	L0C2X-1-CF	F0D220480-2	20	8290/SOLID		10.17000	g
13MY104D5	35	SB0513E	Solvent Blank C-14				1.00000	
13MY104D5	36	L0JEP-1-AA	G0D260000-296B RI	10	8290/SOLID	83	10.00000	g
13MY104D5	37	L0JEP-1-AC	G0D260000-296C RI	10	8290/SOLID		10.00000	g
13MY104D5	38	LX8ND-1-AE	G0D200500-45	10	8290/SOLID		10.03000	g
13MY104D5	39	LX31A-1-AE	G0D160486-65 RI	10	8290/SOLID		10.45000	g
13MY104D5	40	LX31A-1-AF	G0D160486-65S RI	10	8290/SOLID		10.25000	g
13MY104D5	41	LX31A-1-AG	G0D160486-65D RI	10	8290/SOLID		10.18000	g
13MY104D5	42	L0Q4F-1-ACC	F0D220480-1LCS	20	8290/SOLID	87	10.00000	g
13MY104D5	43	L0Q4F-1-AAB	F0D220480-1MB	20	8290/SOLID		10.00000	g
13MY104D5	44	L0C26-1-CF	F0D220480-3 SIOS error	20	8290/SOLID	87	10.30000	g
13MY104D5	45	L0C36-1-AC	F0D220480-11	20	8290/SOLID		10.31000	g
13MY104D5	46	SB0513F	Solvent Blank C-14				1.00000	
13MY104D5	47	ST0513D	CS3 10DXN126				1.00000	
13MY104D5	48	CP0513C	DB-5 CPSM 3732-05				1.00000	
13MY104D5	49	SB0513G	Solvent Blank C-14				1.00000	
13MY104D5	50	L0C29-1-CF	F0D220480-4	20	8290/SOLID		10.05500	g
13MY104D5	51	L0C29-1-ENS	F0D220480-4S	20	8290/SOLID		10.41500	g
13MY104D5	52	L0C29-1-EPD	F0D220480-4D	20	8290/SOLID		10.39500	g
13MY104D5	53	L0C4L-1-AC	F0D220480-15	20	8290/SOLID		10.37000	g

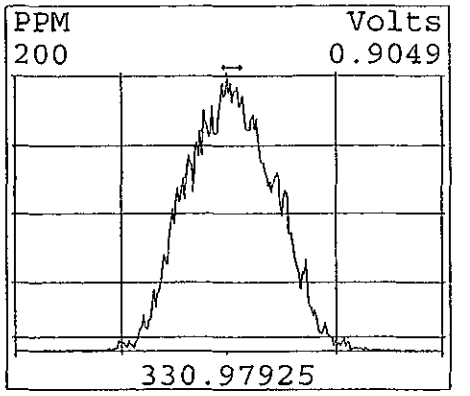
log file reviewed 5-14-10 am

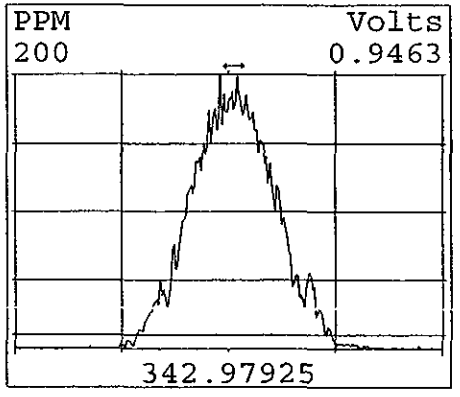
Peak Locate Examination:13-MAY-2010:10:29 File:13MY104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

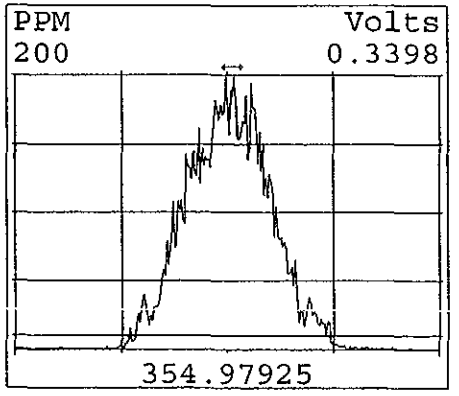


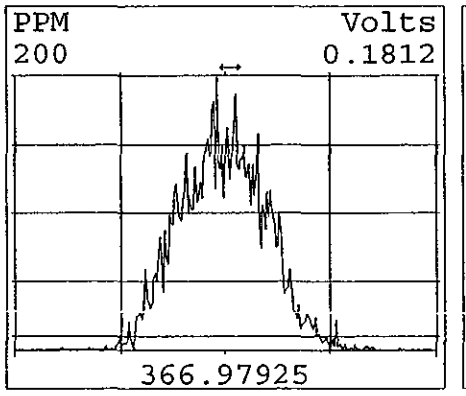


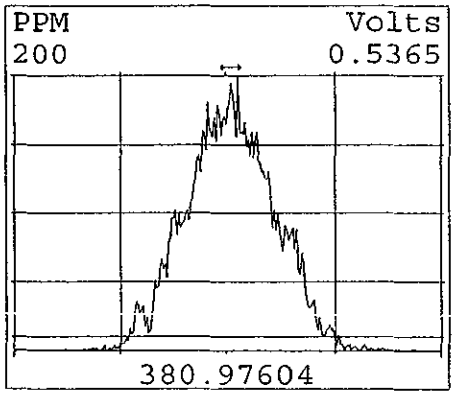


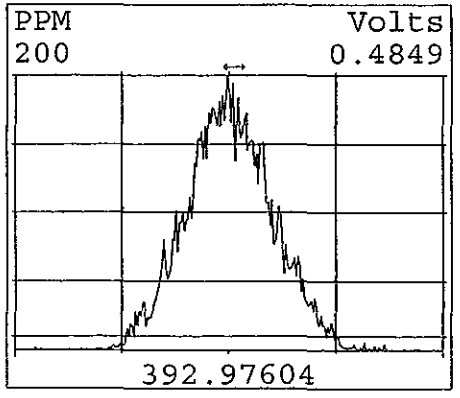


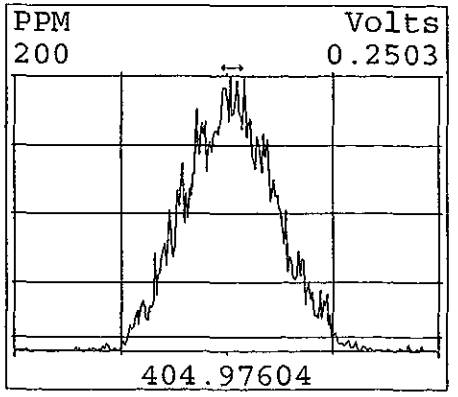


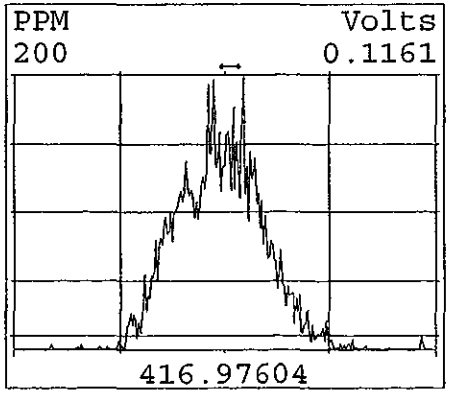




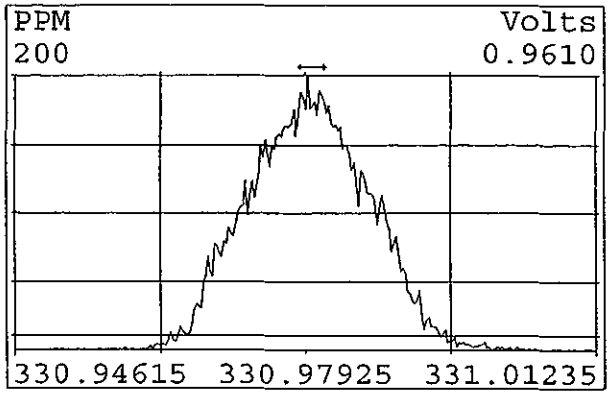


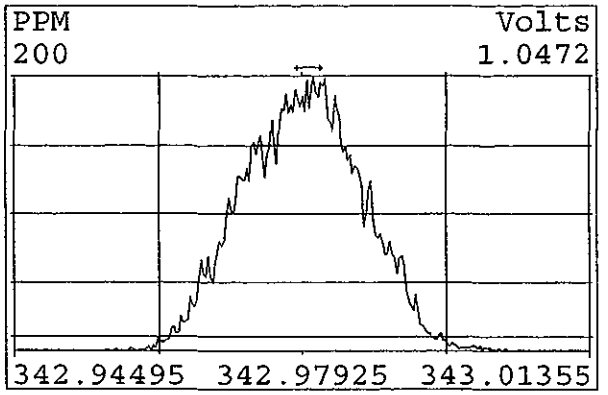


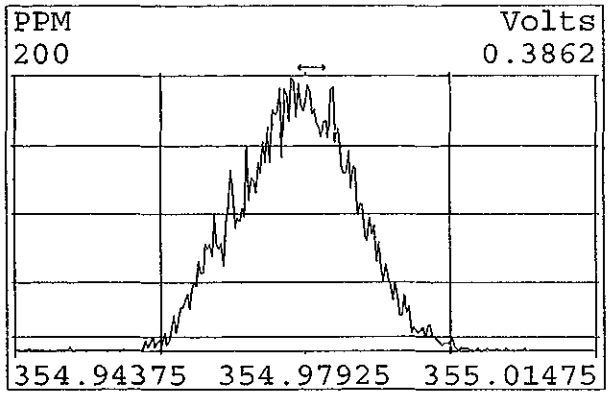


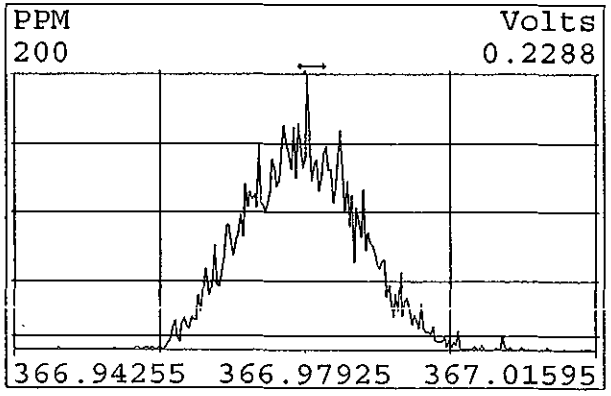


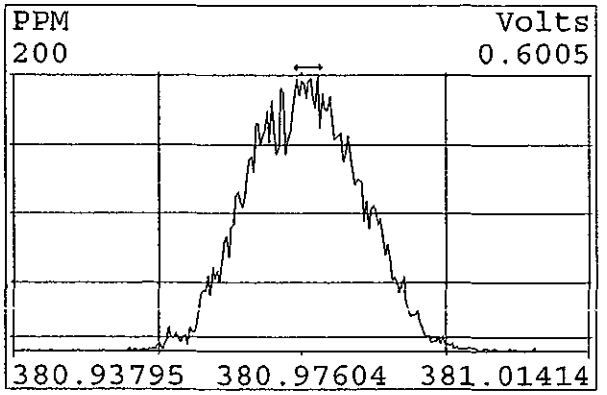
Peak Locate Examination:13-MAY-2010:10:29 File:13MY104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

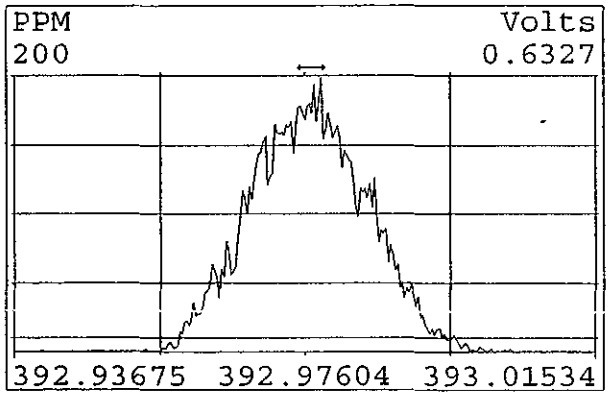


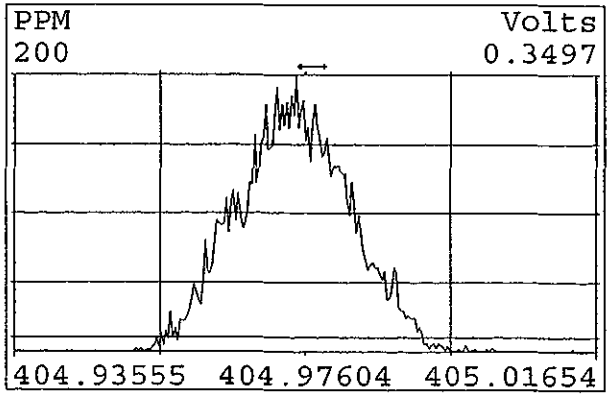


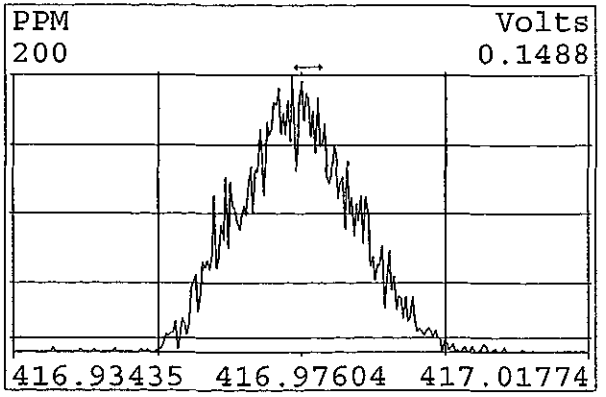




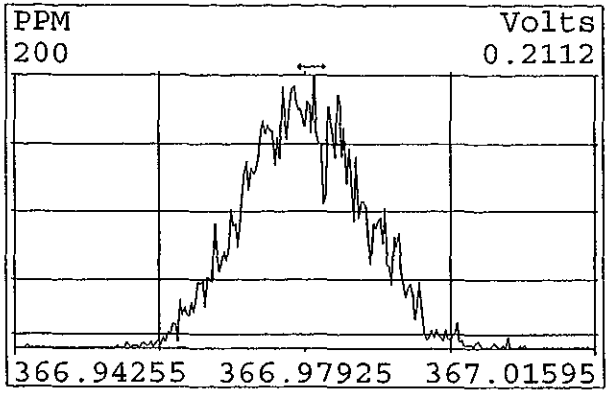


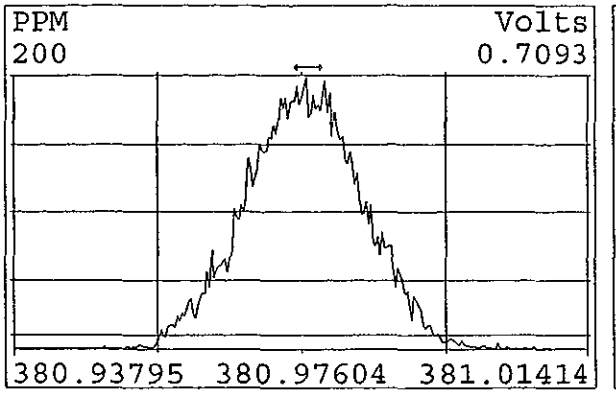


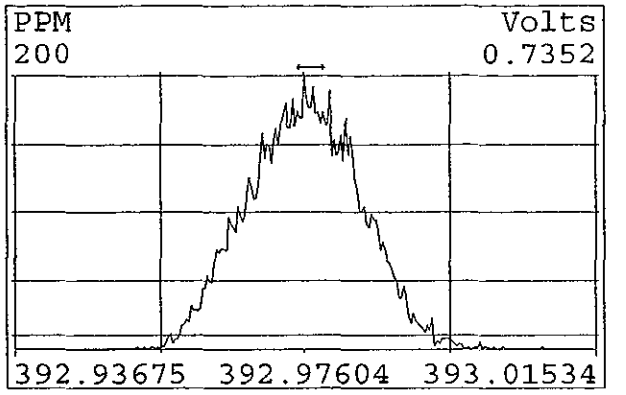


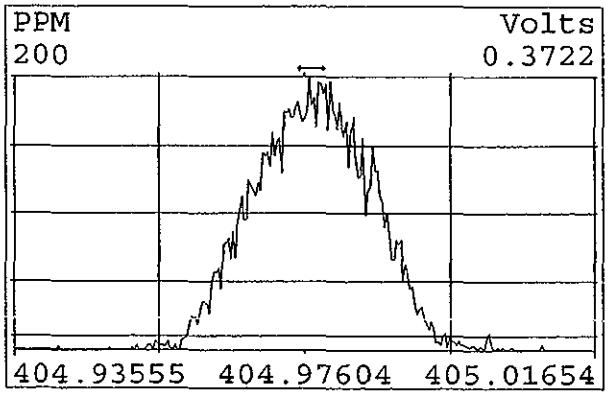


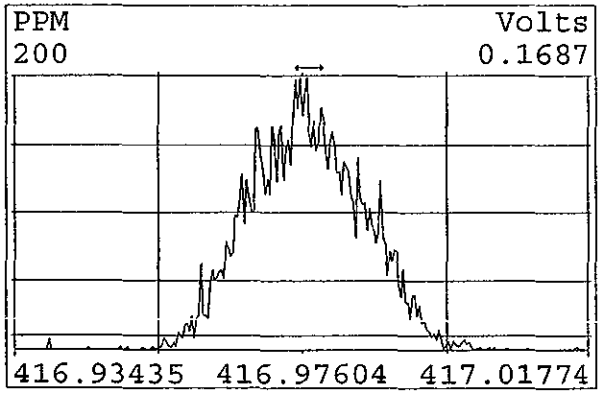
Peak Locate Examination:13-MAY-2010:10:29 File:13MY104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

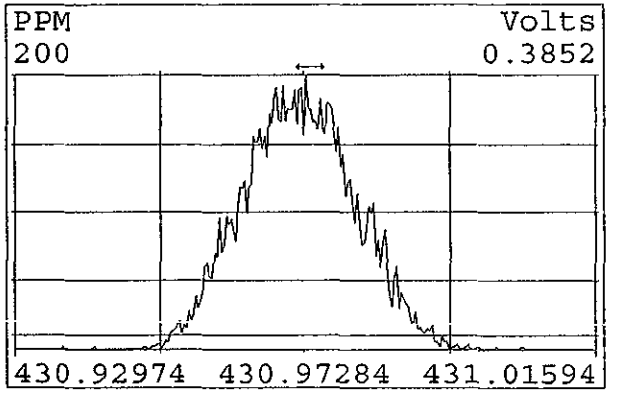


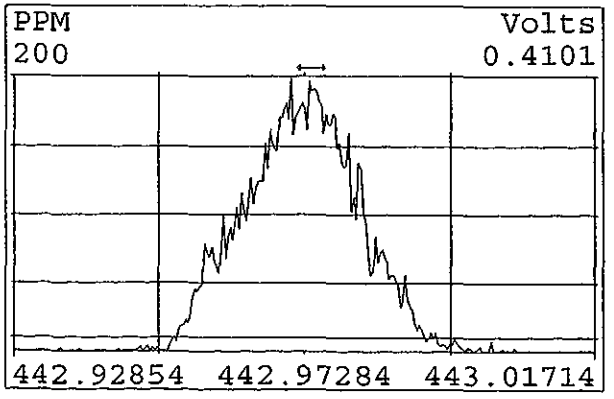


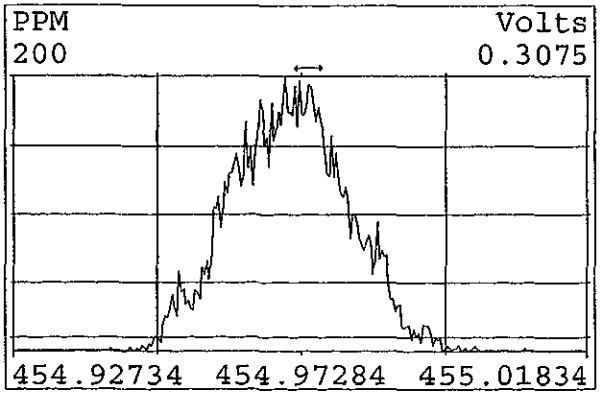




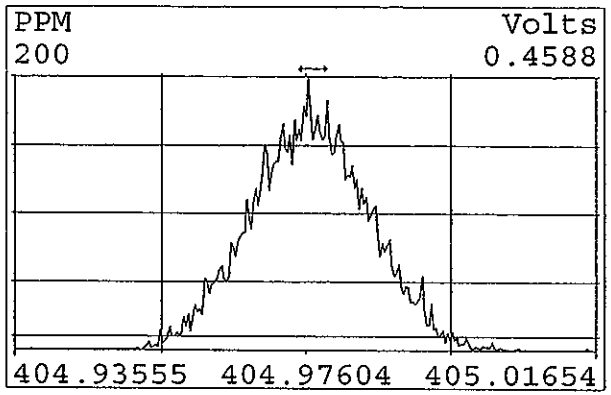


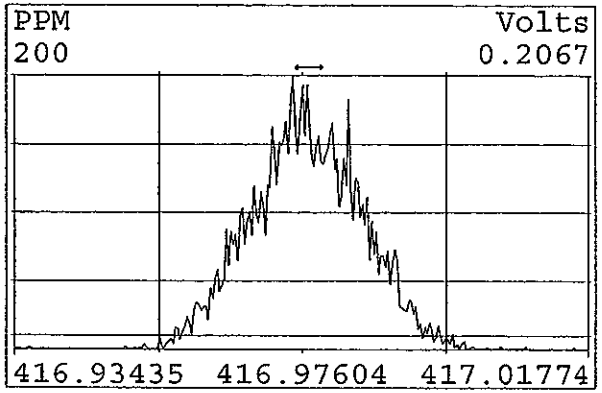


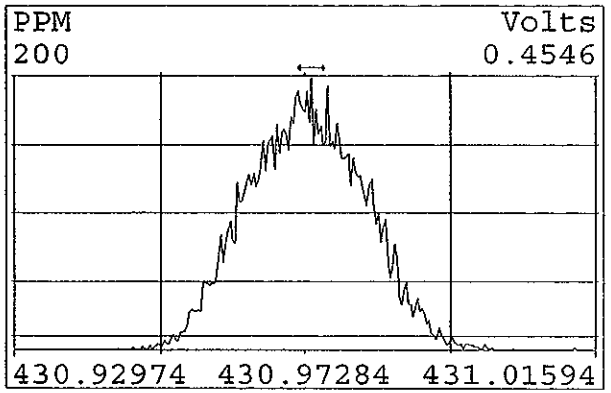


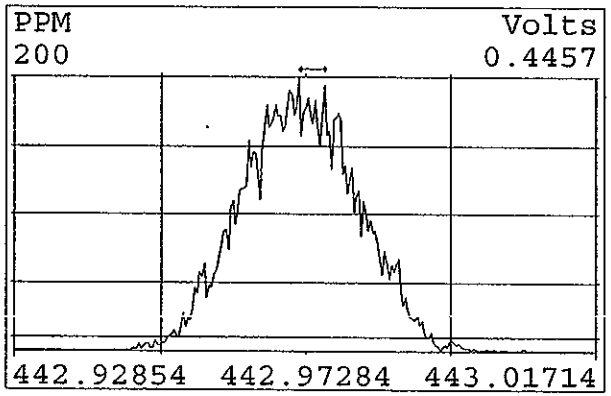


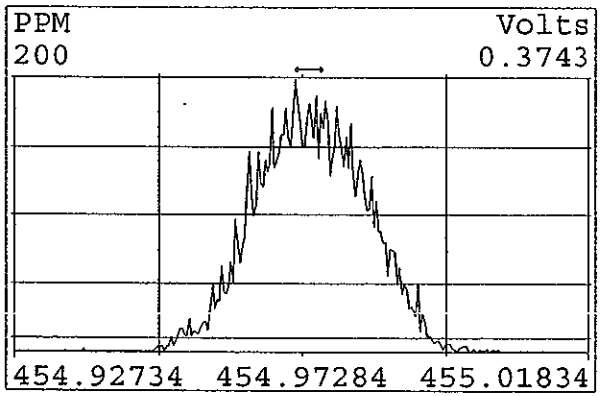
Peak Locate Examination:13-MAY-2010:10:30 File:13MY104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

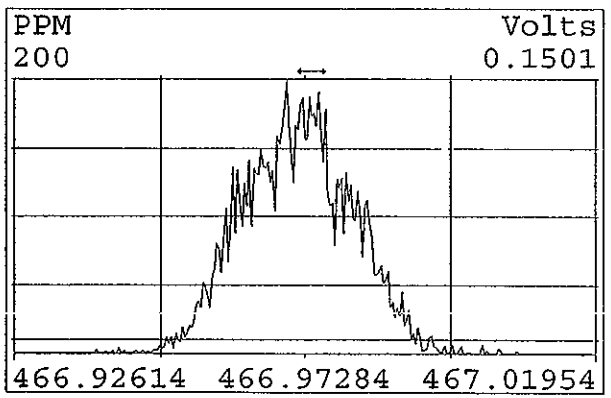


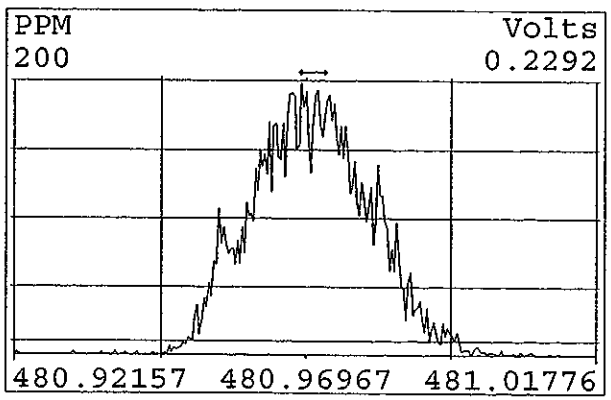




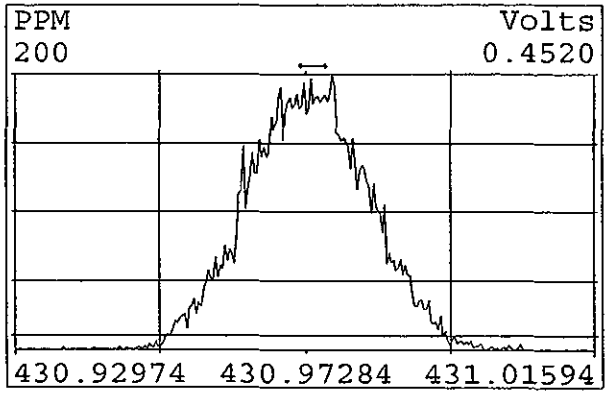


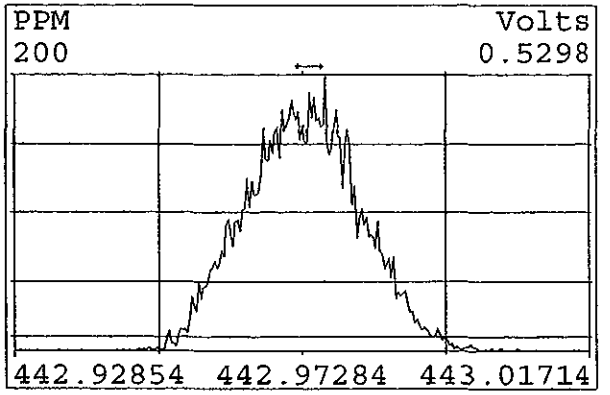


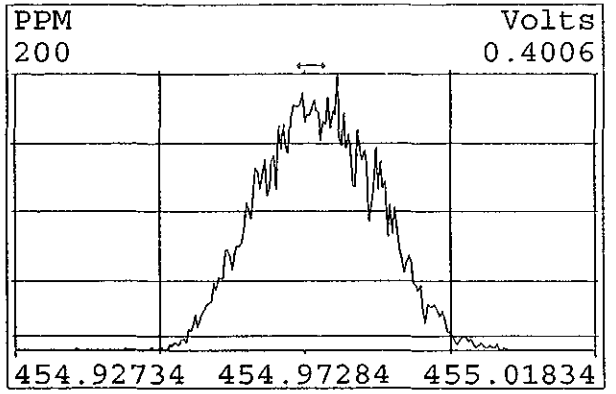


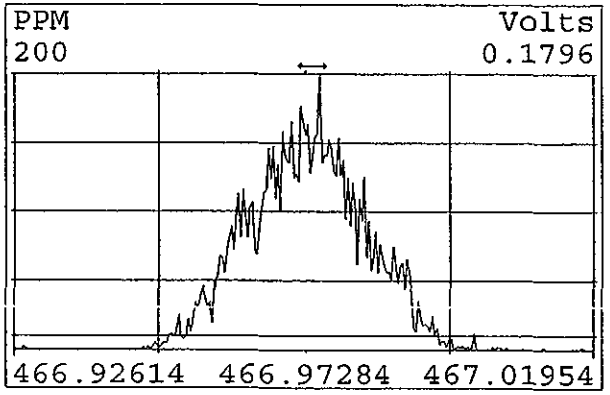


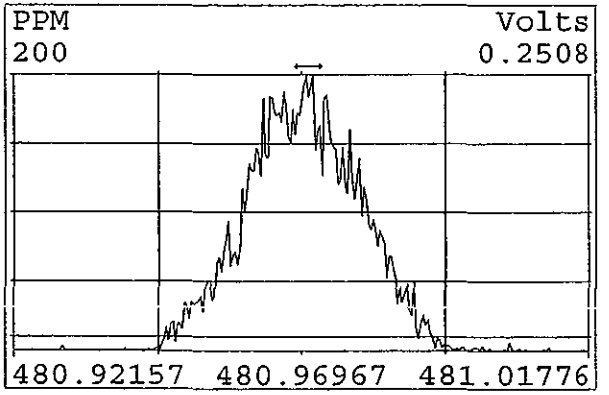
Peak Locate Examination:13-MAY-2010:10:30 File:13MY104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

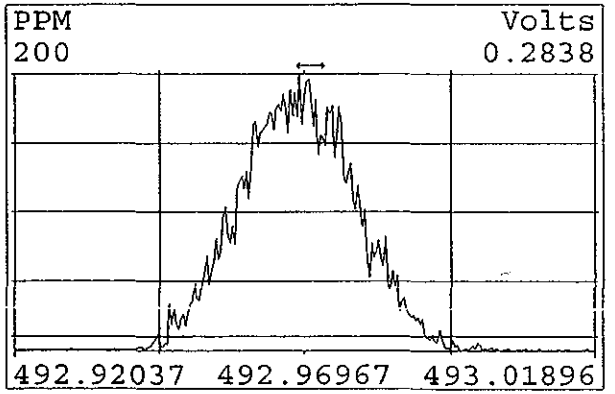


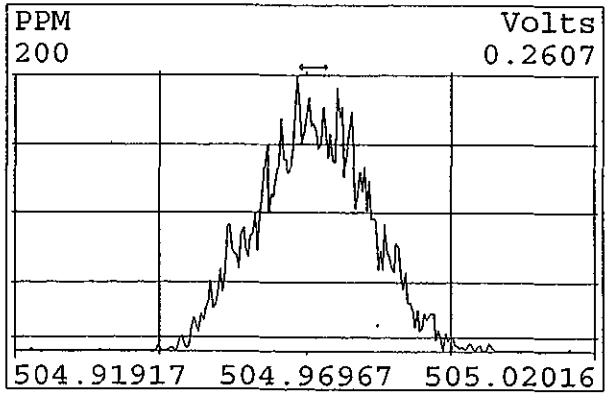


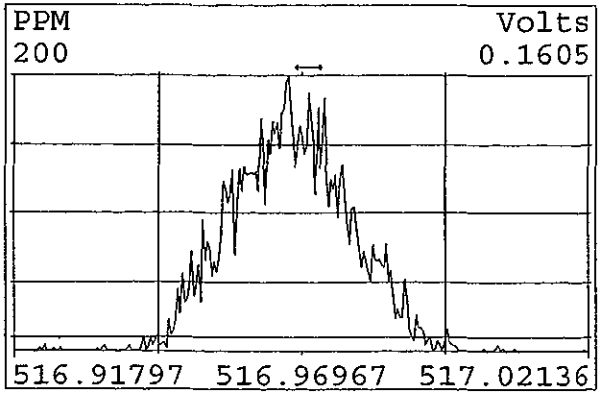




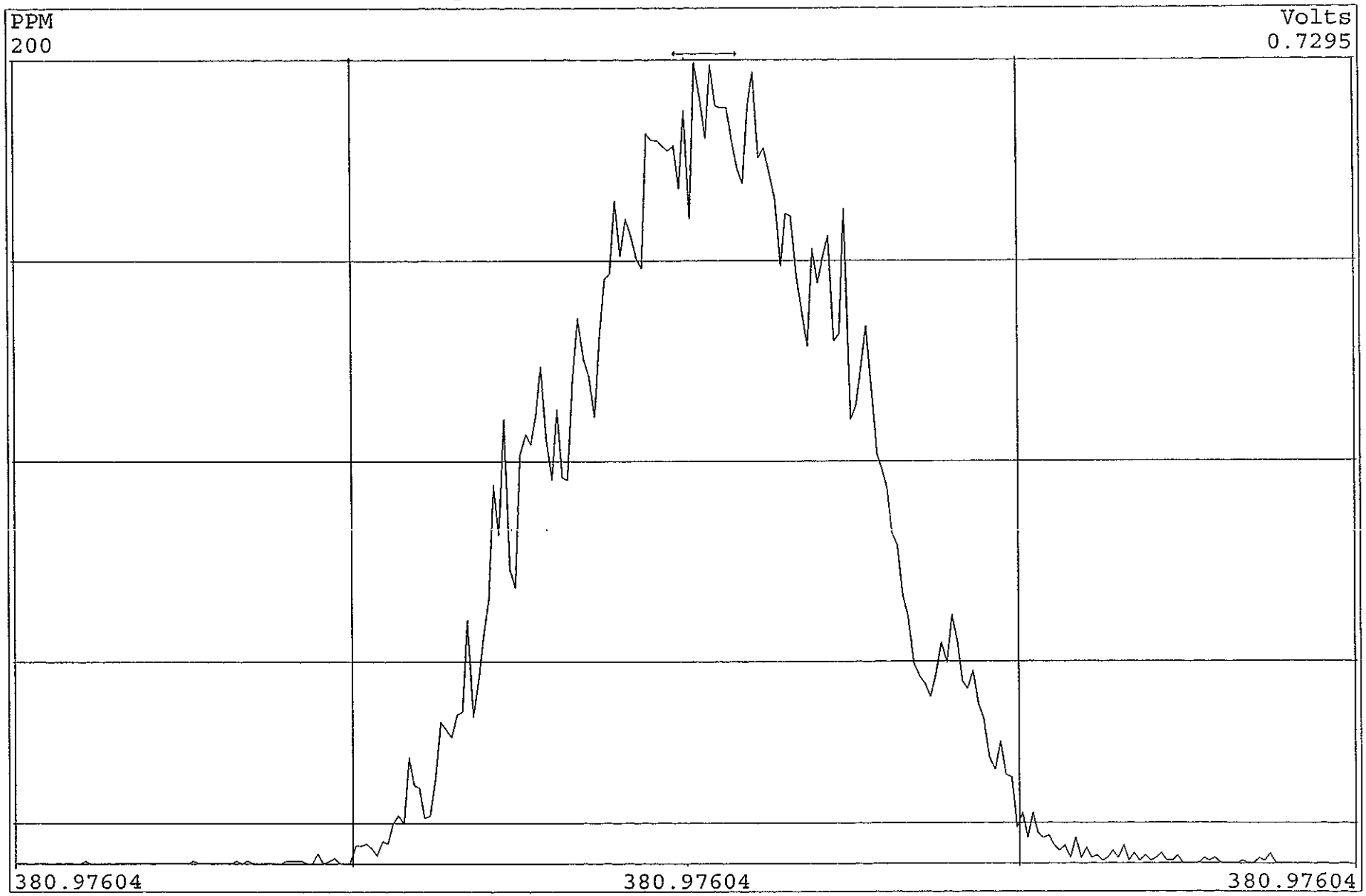




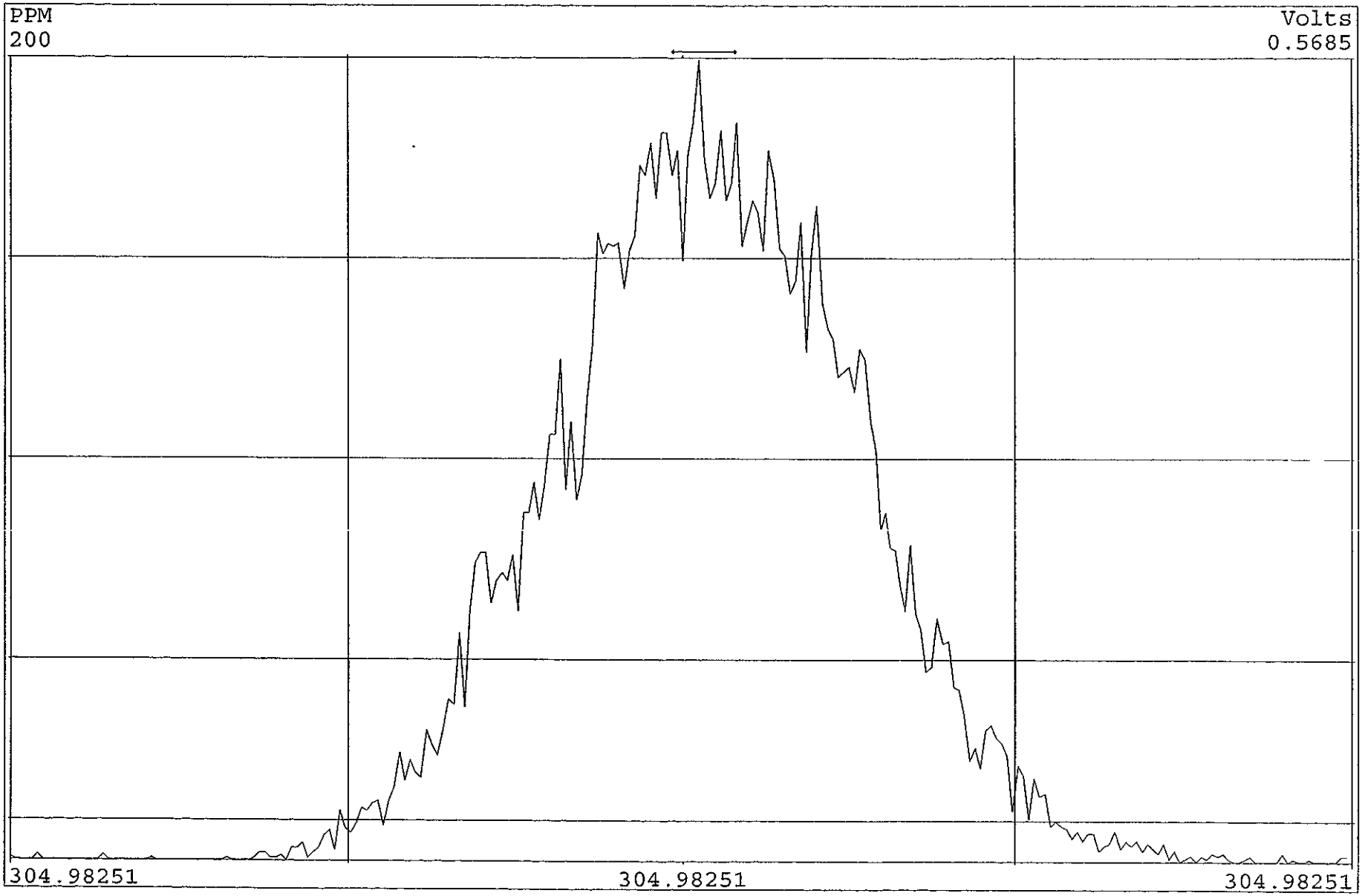




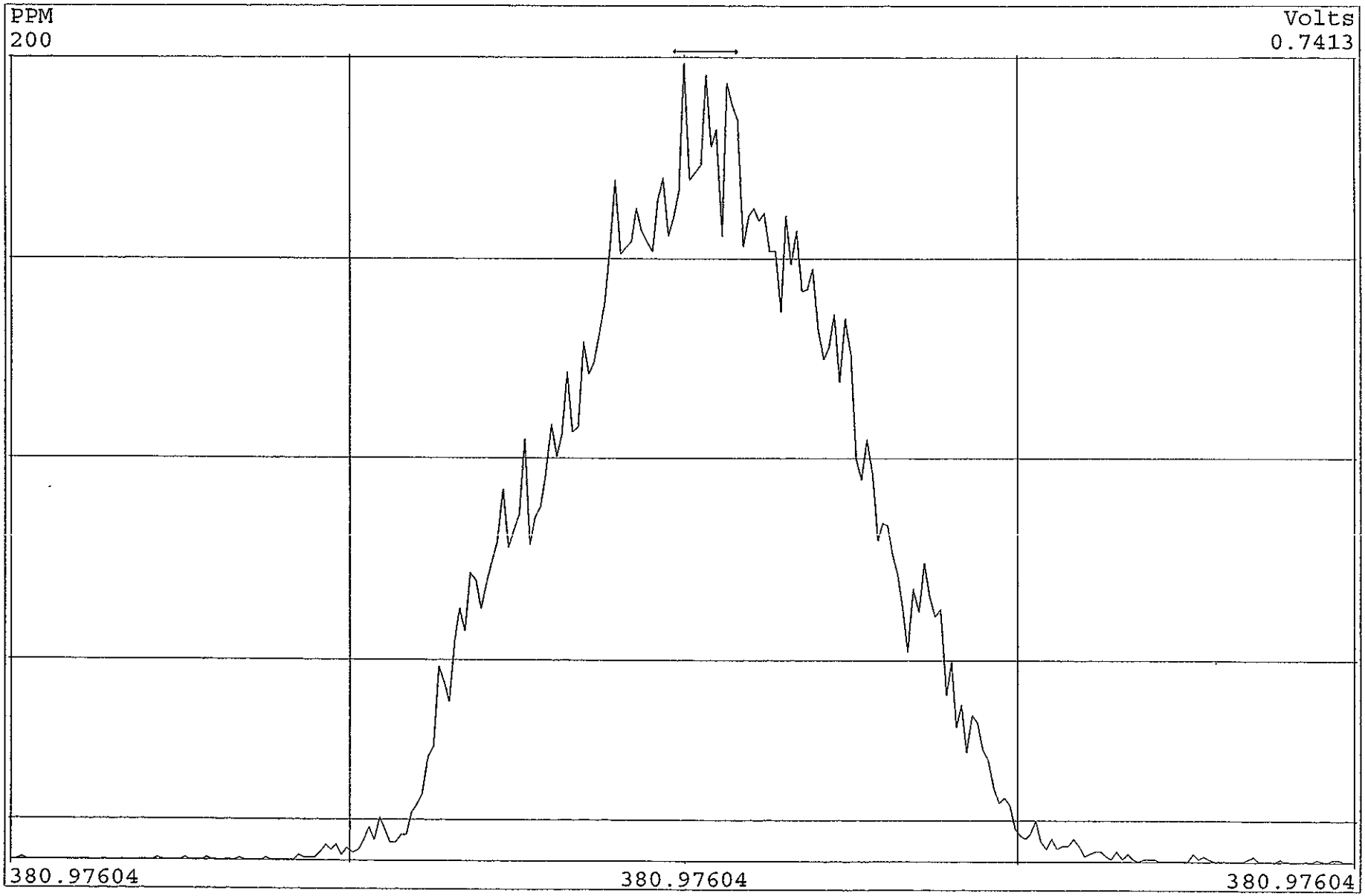
SIRLM Examination:13-MAY-2010:20:26 File:13MY104D5
Experiment:DIOXINRES8290A Function:6



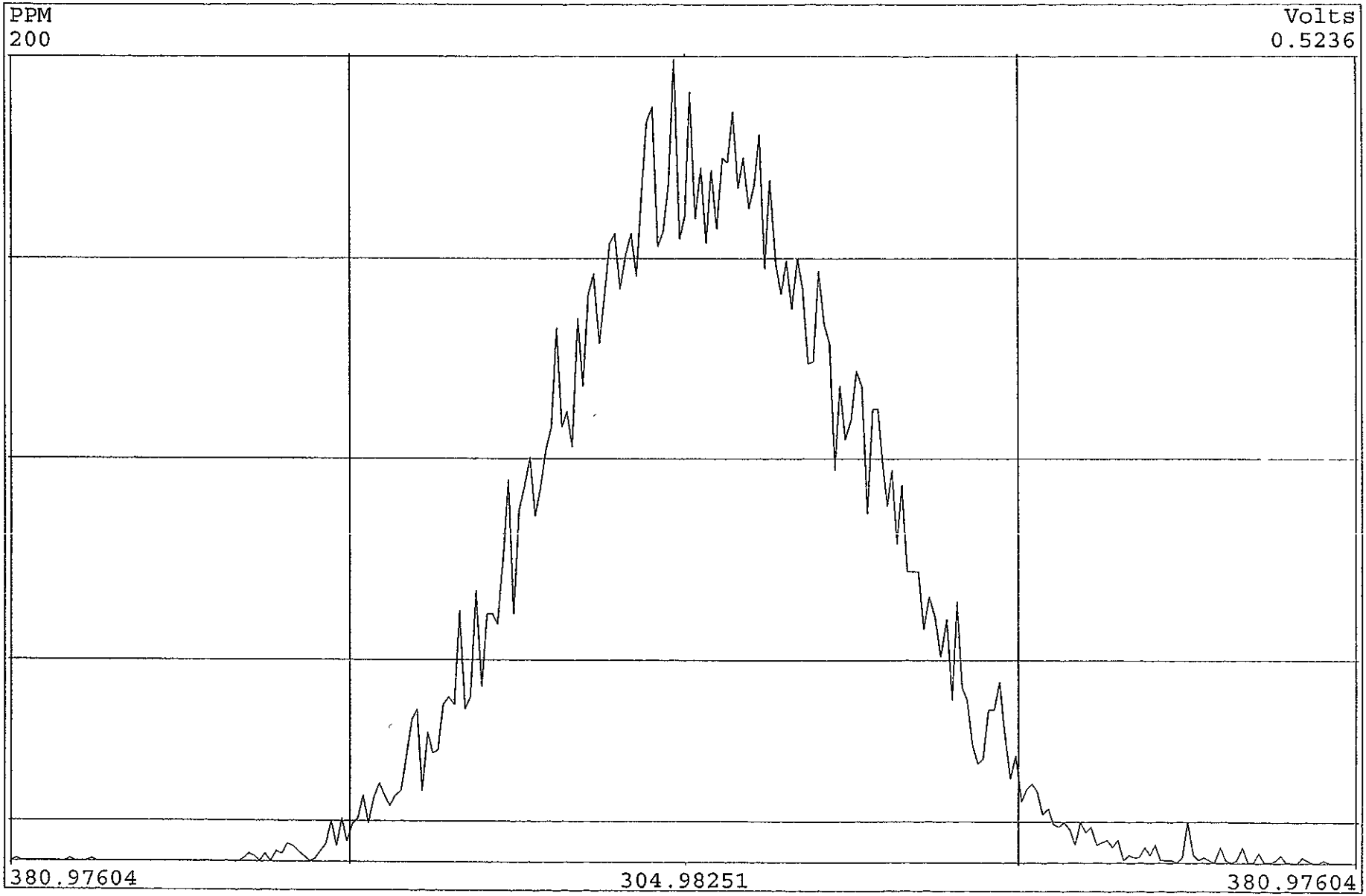
SIRLM Examination:13-MAY-2010:20:27 File:13MY104D5
Experiment:DIOXINRES8290A Function:7



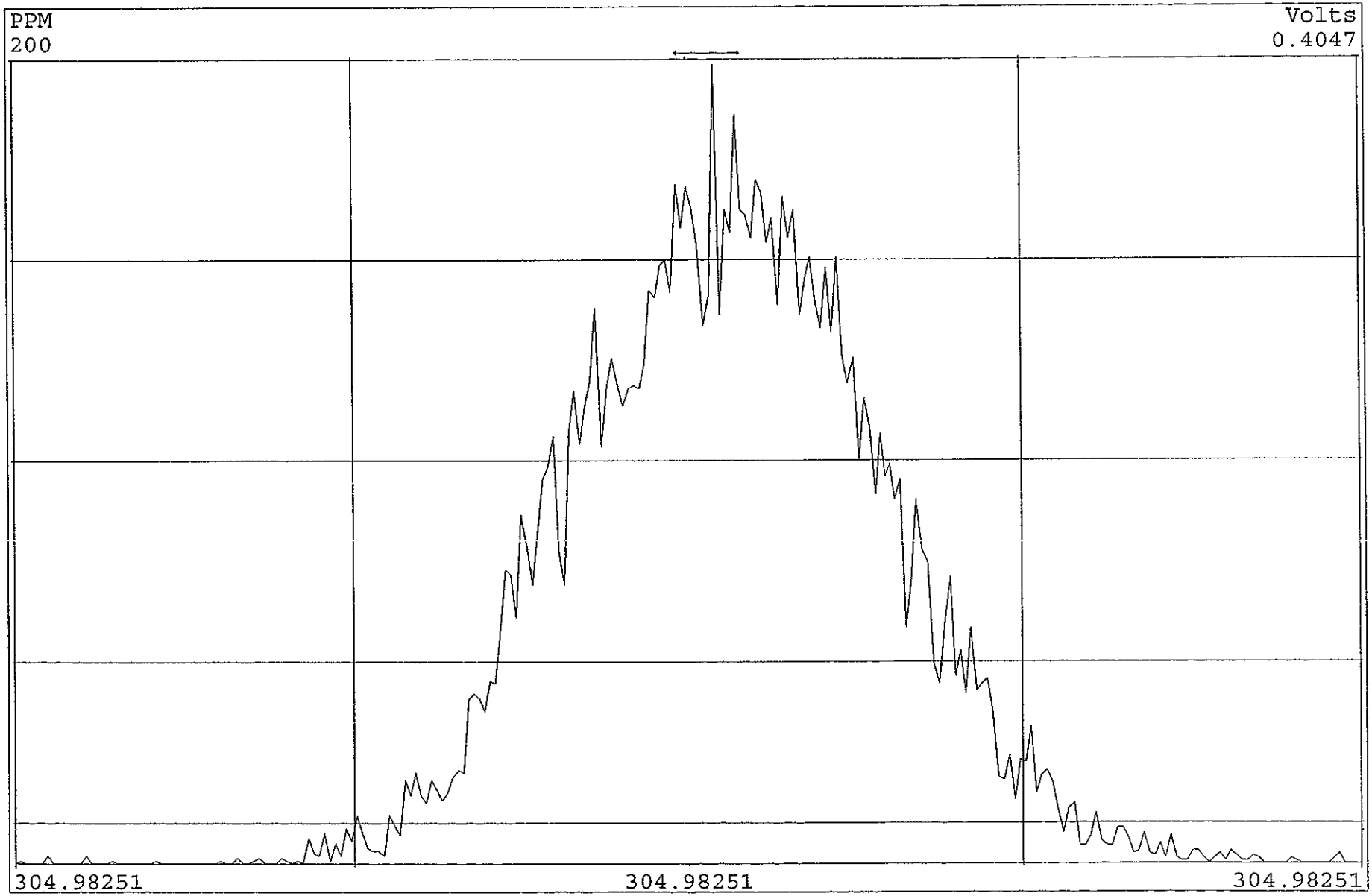
SIRLM Examination:13-MAY-2010:21:56 File:13MY104D5
Experiment:DIOXINRES8290A Function:6



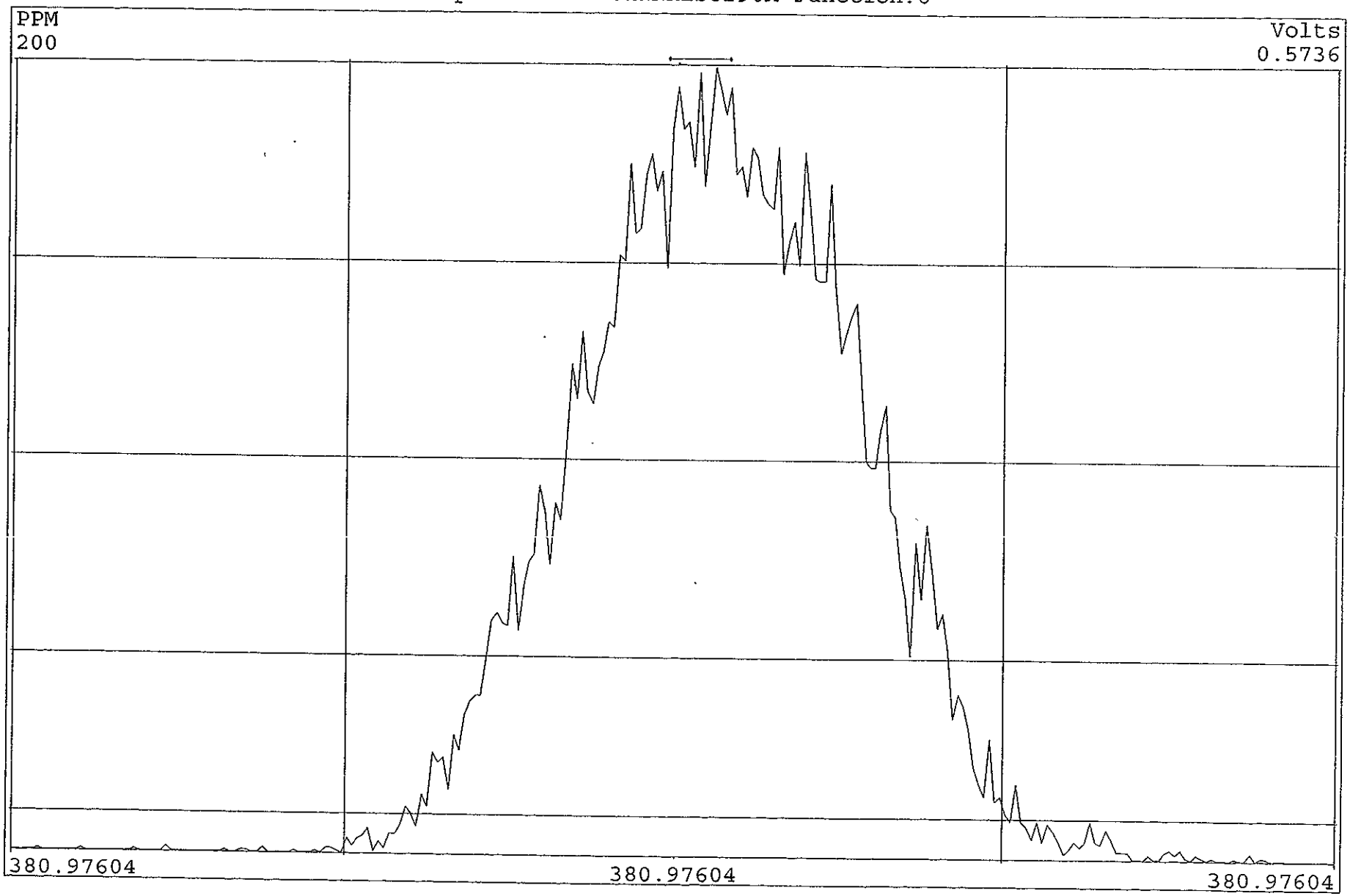
SIRLM Examination:13-MAY-2010:21:57 File:13MY104D5
Experiment:DIOXINRES8290A Function:7



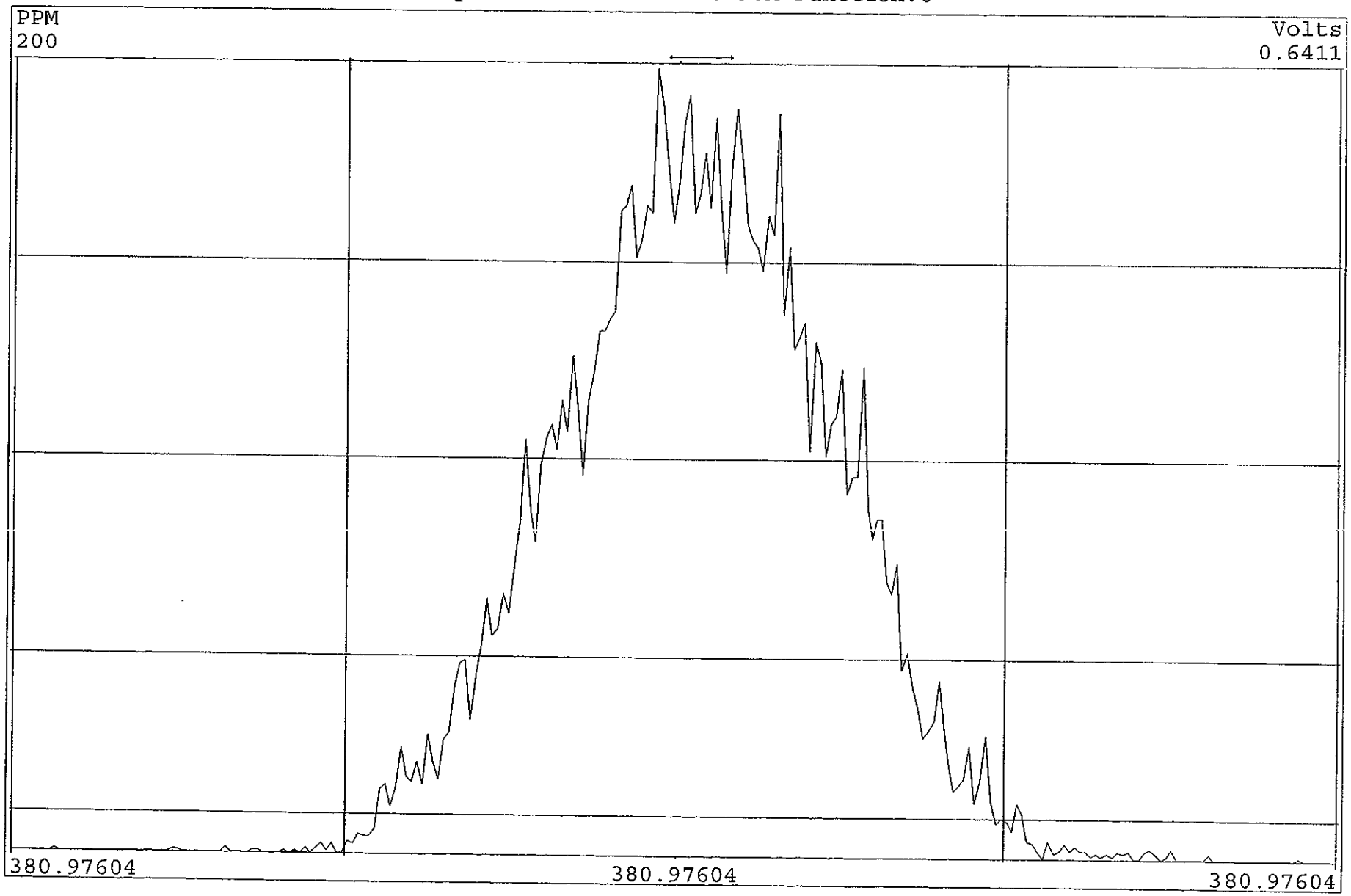
SIRLM Examination:14-MAY-2010:08:28 File:13MY104D5
Experiment:DIOXINRES8290A Function:7



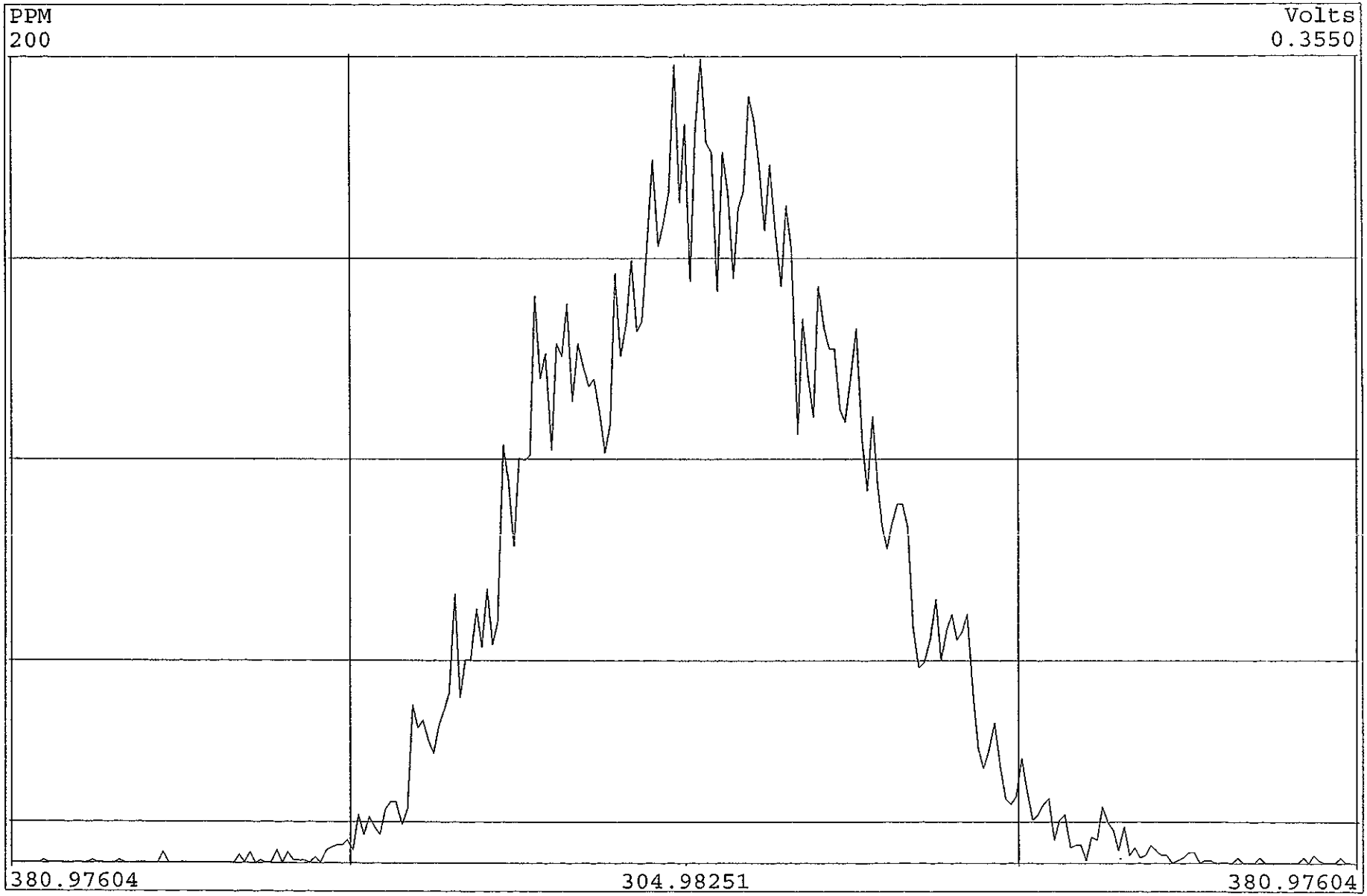
SIRLM Examination:14-MAY-2010:08:26 File:13MY104D5
Experiment:DIOXINRES8290A Function:6



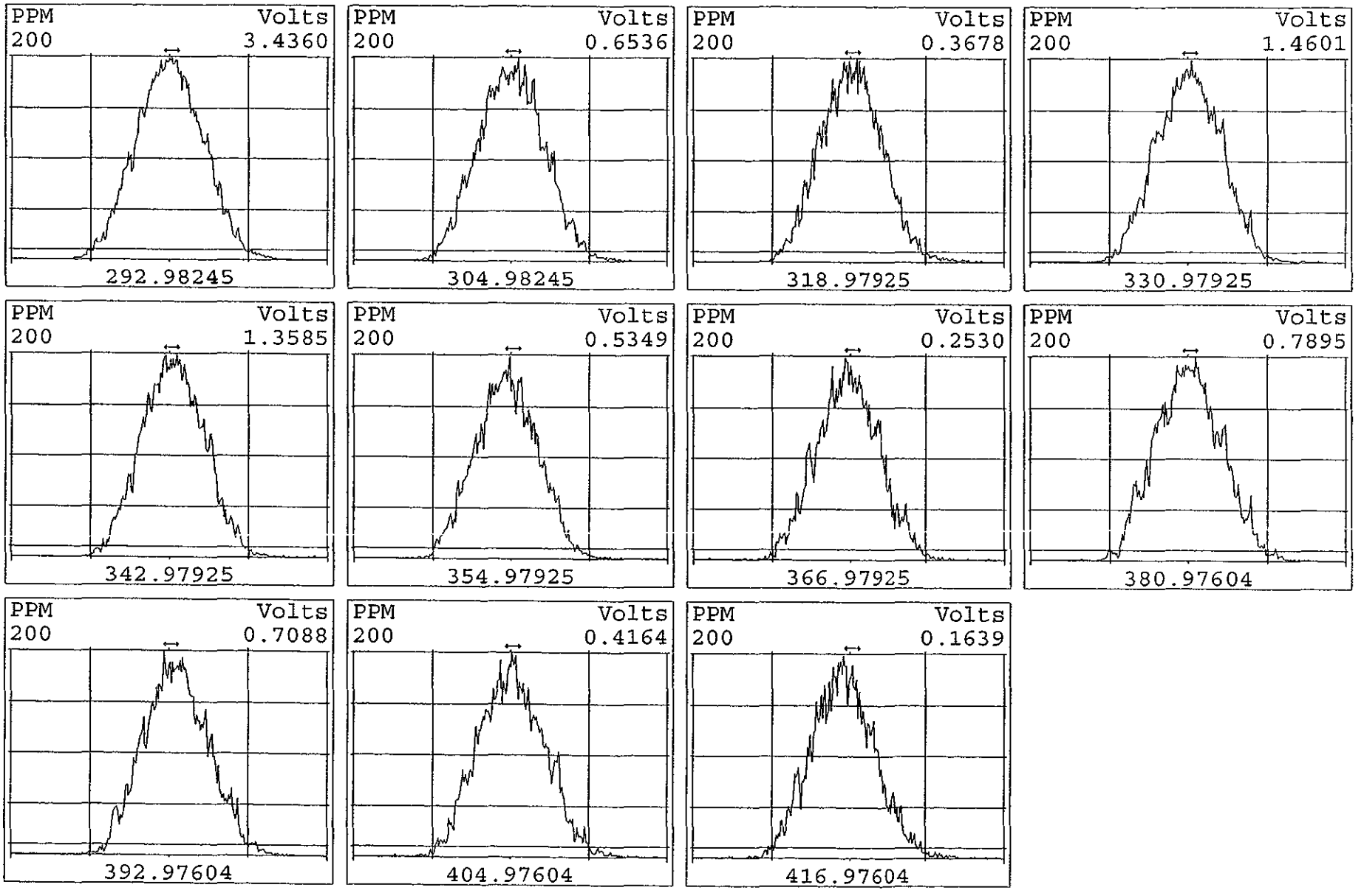
SIRLM Examination:14-MAY-2010:19:42 File:13MY104D5
Experiment:DIOXINRES8290A Function:6



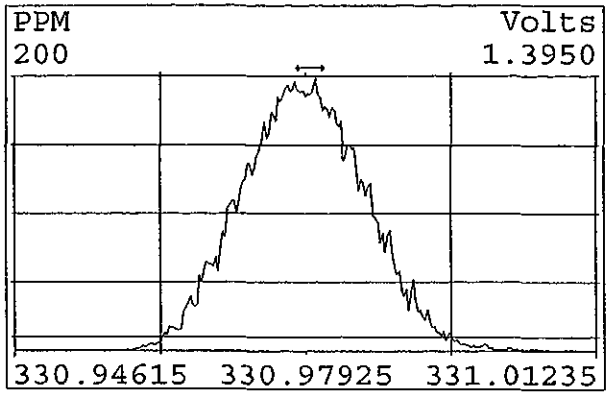
SIRLM Examination:14-MAY-2010:19:43 File:13MY104D5
Experiment:DIOXINRES8290A Function:7

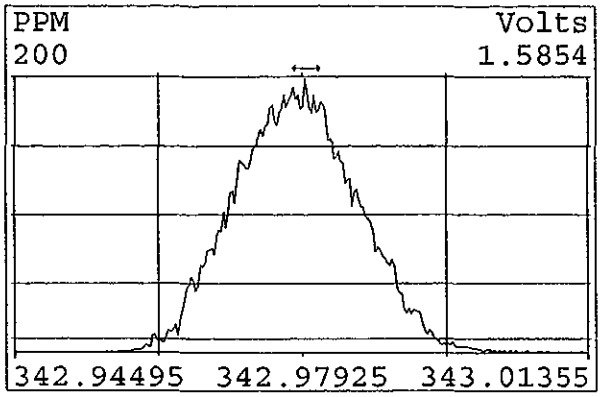


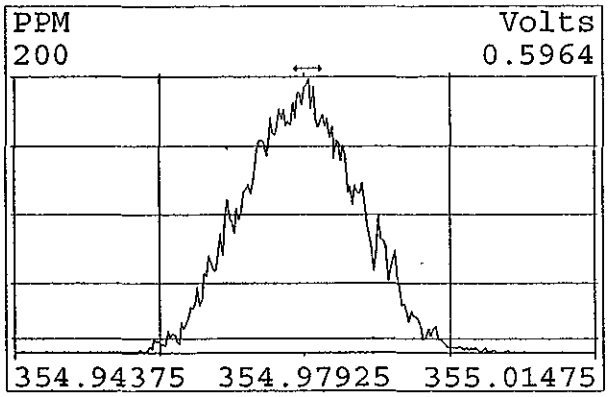
Peak Locate Examination:14-MAY-2010:21:29 File:14MY104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

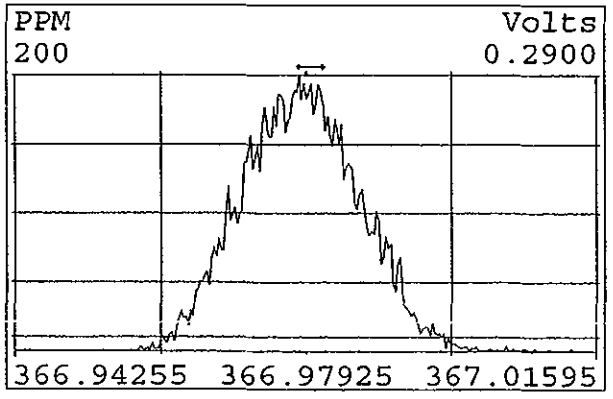


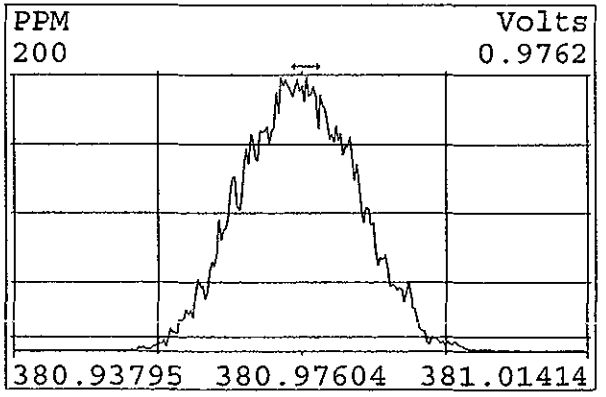
Peak Locate Examination:14-MAY-2010:21:30 File:14MY104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

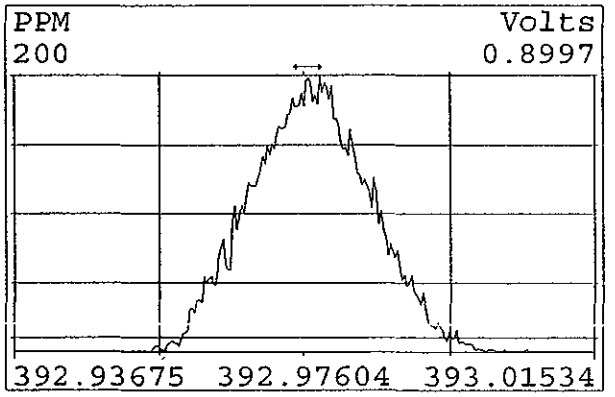


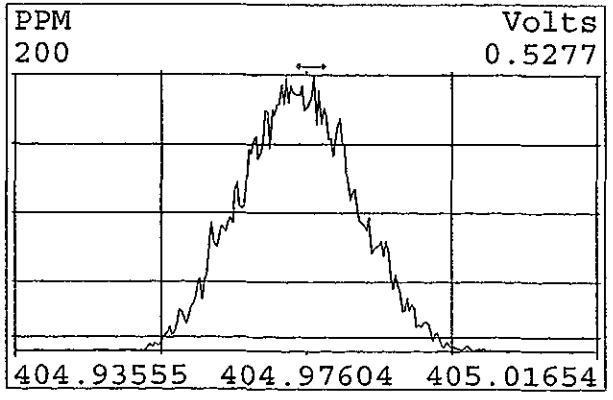


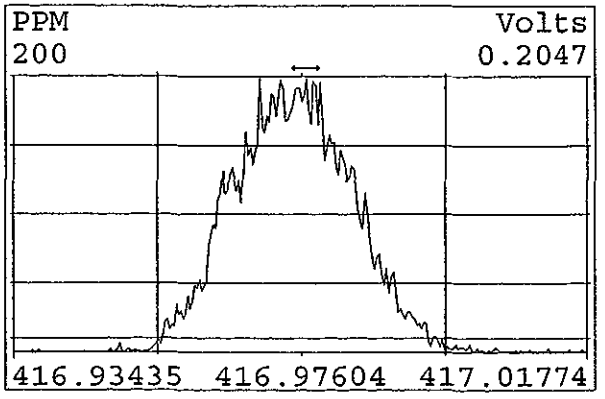




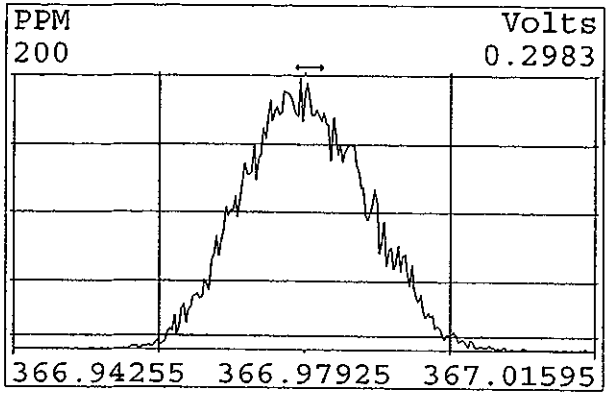


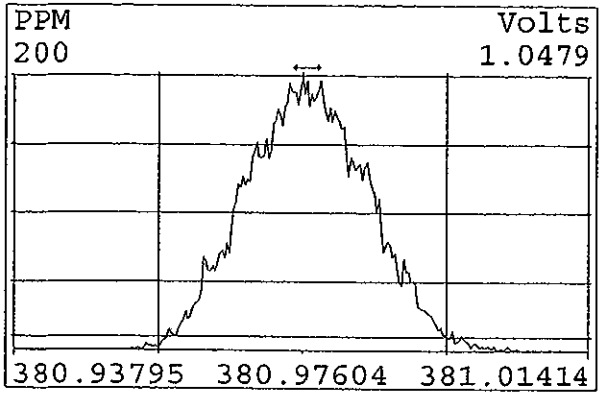


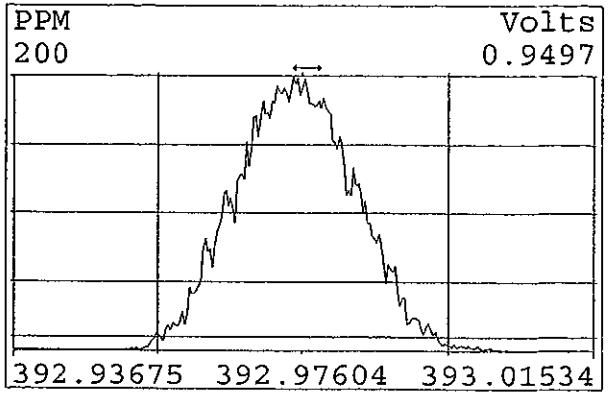


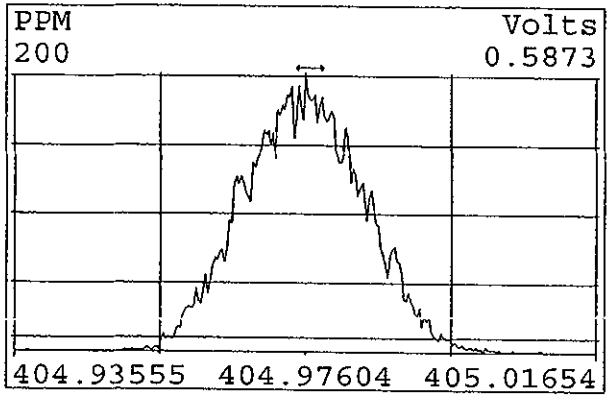


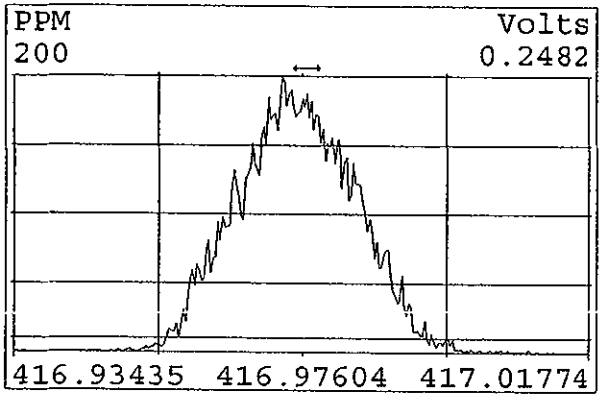
Peak Locate Examination:14-MAY-2010:21:31 File:14MY104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

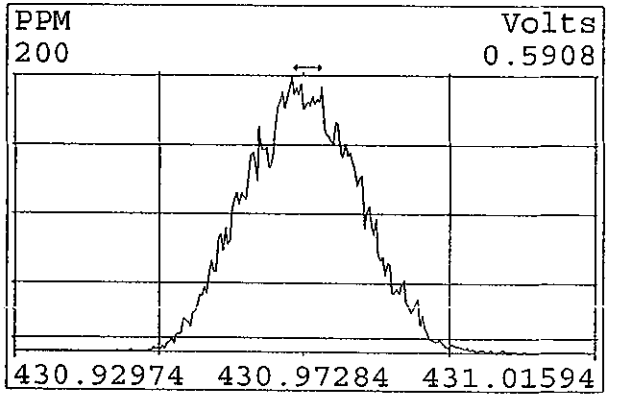


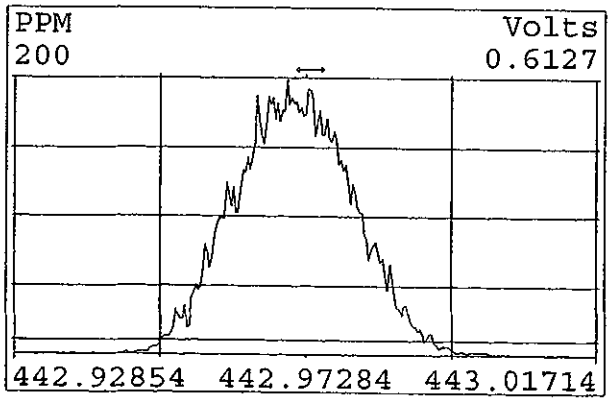


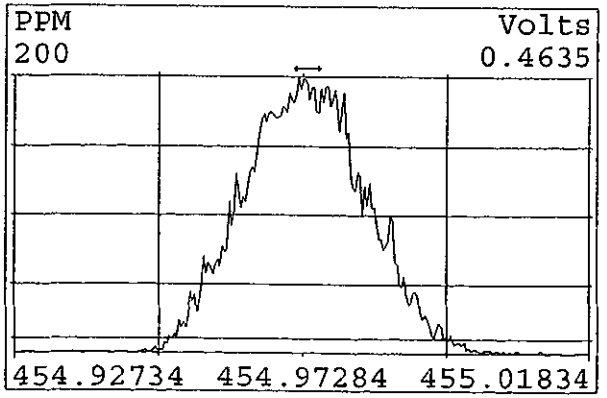




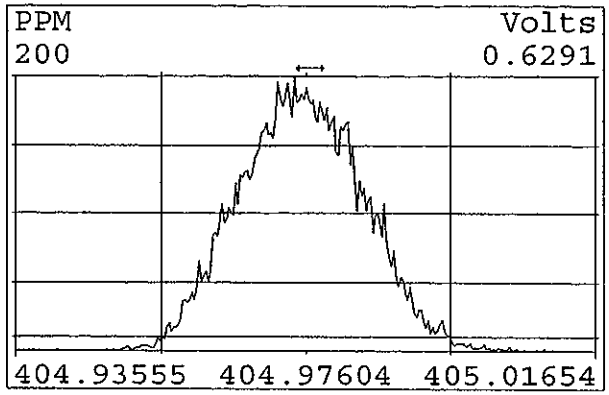


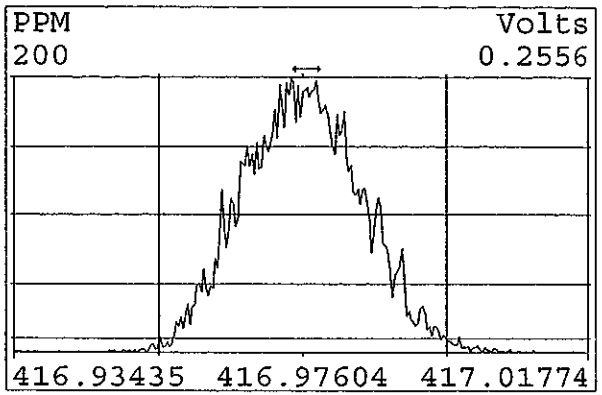


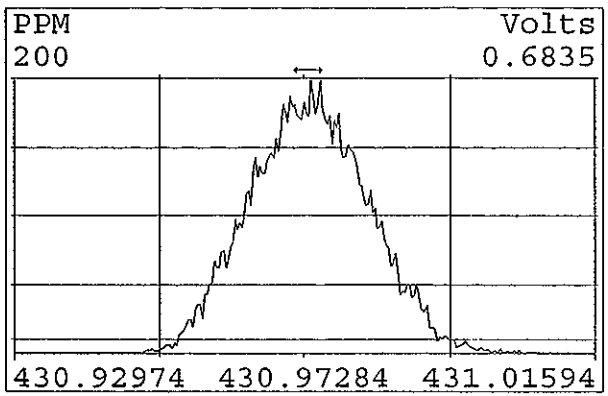


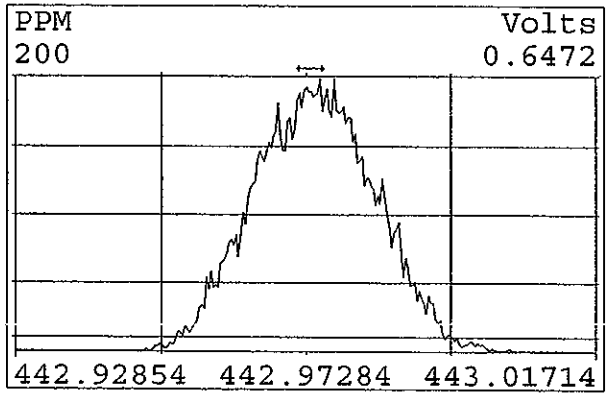


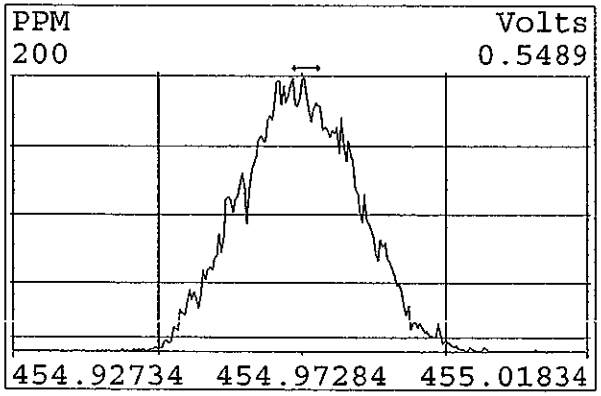
Peak Locate Examination:14-MAY-2010:21:32 File:14MY104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

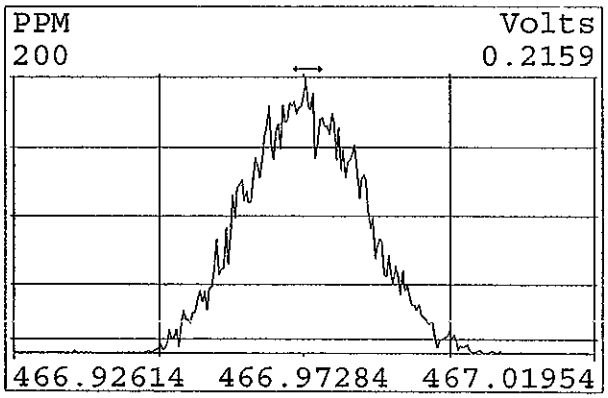


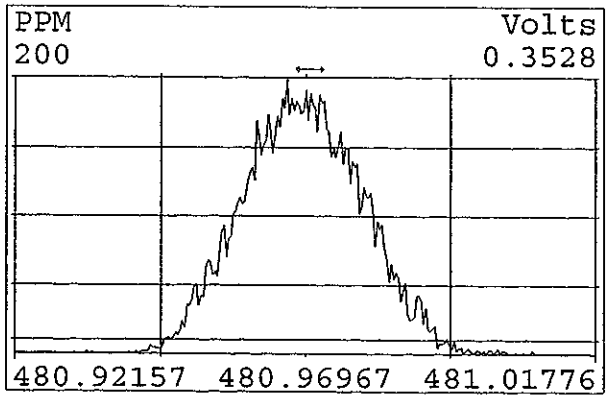




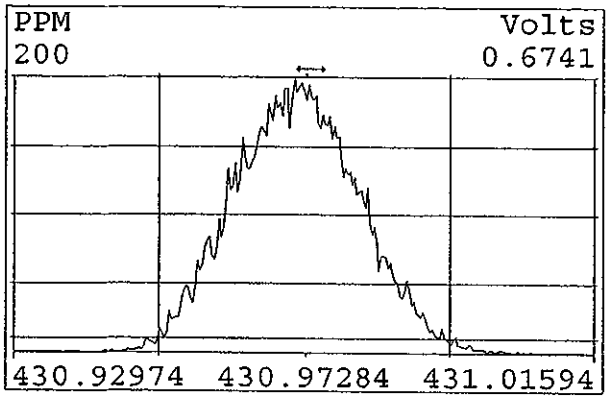


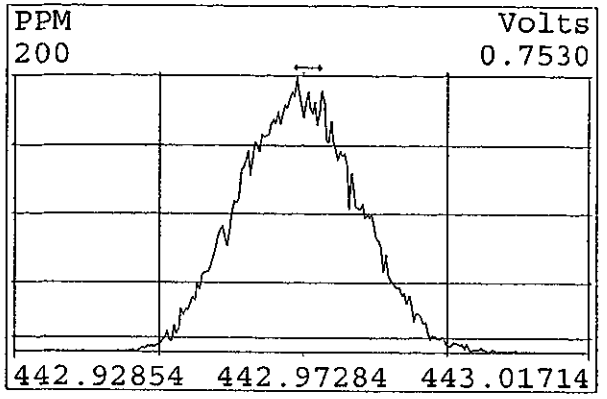


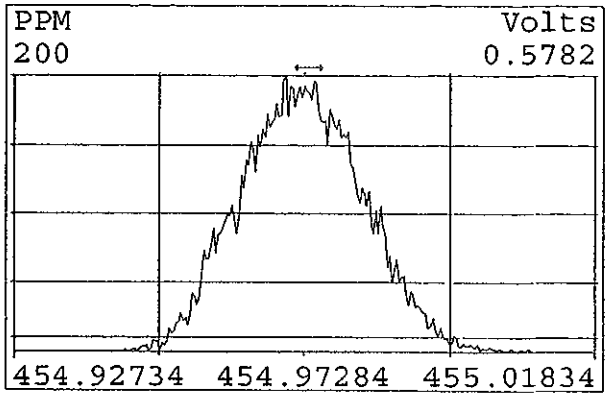


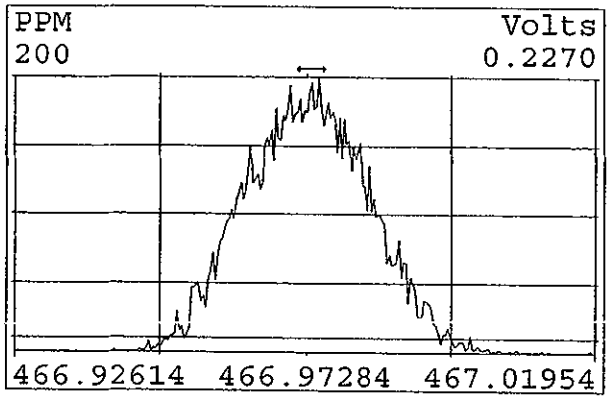


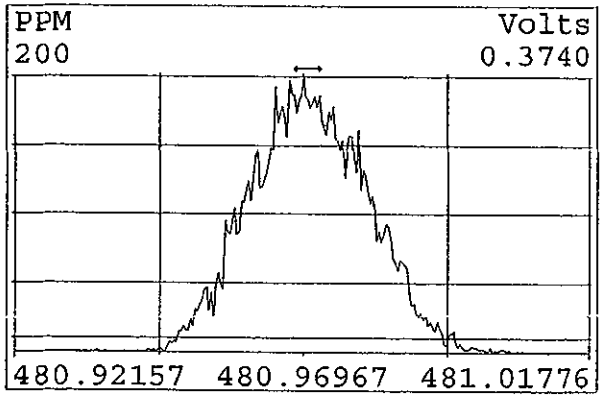
Peak Locate Examination:14-MAY-2010:21:33 File:14MY104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

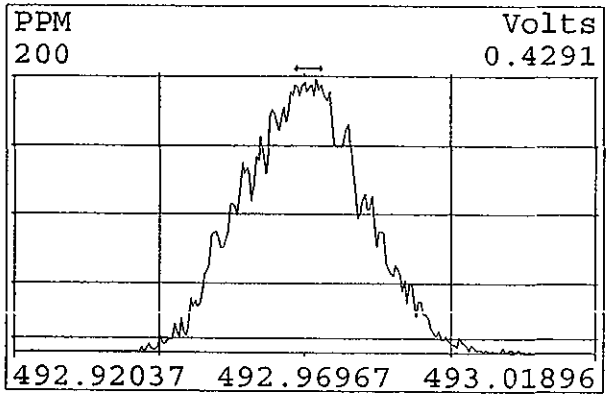


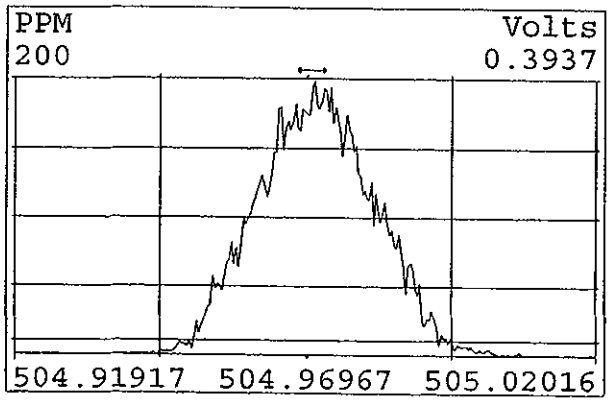


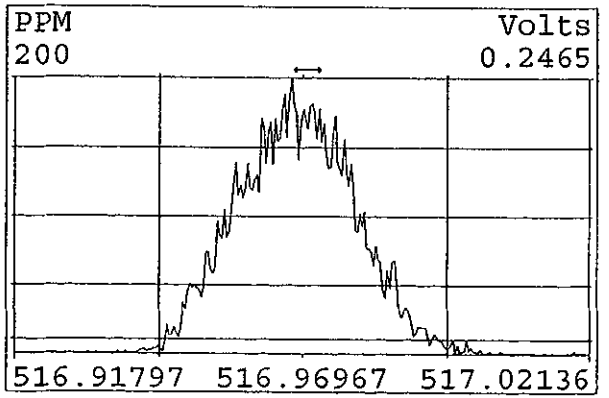




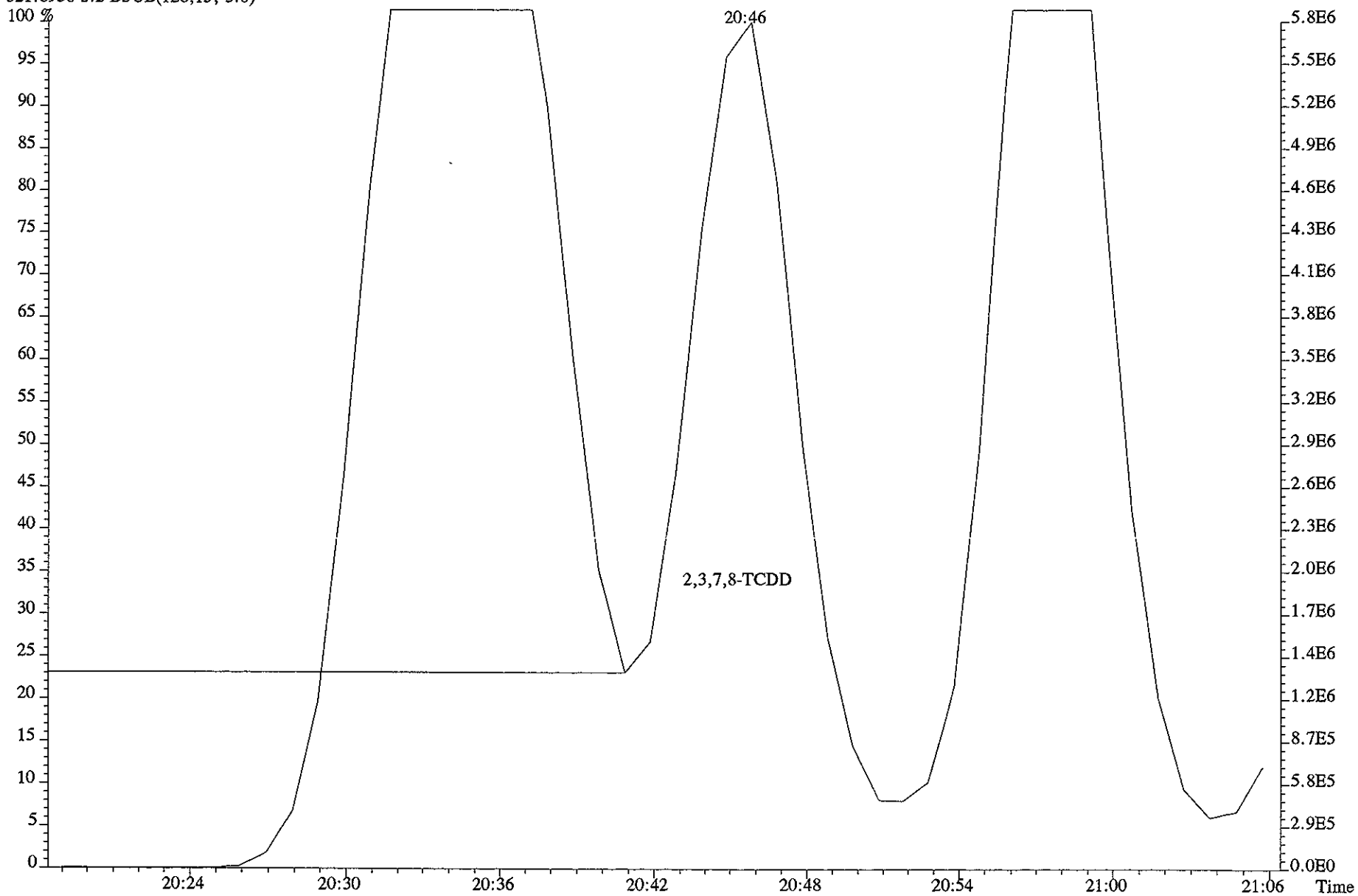








File:11MY10B4D5 #1-523 Acq:11-MAY-2010 22:43:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
321.8936 S:2 BSUB(128,15,-3.0)



Run: 11MY10A4D5I$_{ll}$ Analyte: 8290A Cal: 8290A0511104D5

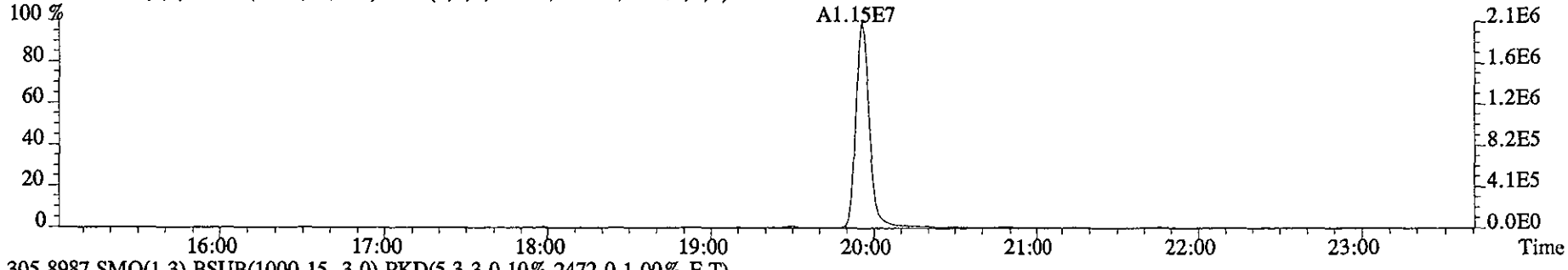
ST0511A :CS-3 10DXN126 ST0511B :CS-2 10DXN125 ST0511D :CS-1 10DXN124 RI
ST0511H :CS-5 09DXN456 ST0511I :CS-4 09DXN426

				11MY10A4D511MY10A4D511MY10A4D511MY10A4D511MY10A4D5				
				S3	S4	S6	S10	S11
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.475	0.045	3.04 %	1.46	1.44	1.45	1.55	1.47
2,3,7,8-TCDF	1.017	0.055	5.39 %	1.06	1.01	0.92	1.05	1.05
Total TCDF	1.017	0.055	5.39 %	1.06	1.01	0.92	1.05	1.05
13C-2,3,7,8-TCDD	0.996	0.056	5.58 %	1.02	0.95	0.99	1.08	0.94
2,3,7,8-TCDD	0.991	0.051	5.11 %	1.01	0.98	0.91	1.03	1.02
Total TCDD	0.991	0.051	5.11 %	1.01	0.98	0.91	1.03	1.02
37Cl-2,3,7,8-TCDD	2.241	0.194	8.65 %	2.31	1.99	2.18	2.52	2.20
13C-1,2,3,7,8-PeCDF	1.148	0.083	7.26 %	1.18	1.10	1.10	1.28	1.08
1,2,3,7,8-PeCDF	1.059	0.086	8.12 %	1.12	1.04	0.92	1.08	1.13
2,3,4,7,8-PeCDF	1.012	0.081	8.00 %	1.06	1.02	0.87	1.04	1.07
Total F2 PeCDF	1.035	0.083	8.03 %	1.09	1.03	0.89	1.06	1.10
Total F1 PeCDF	1.035	0.083	8.03 %	1.09	1.03	0.89	1.06	1.10
13C-1,2,3,7,8-PeCDD	0.736	0.059	8.00 %	0.75	0.71	0.70	0.83	0.69
1,2,3,7,8-PeCDD	1.000	0.095	9.53 %	1.07	1.00	0.84	1.02	1.07
Total PeCDD	1.000	0.095	9.53 %	1.07	1.00	0.84	1.02	1.07
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.931	0.016	1.67 %	0.93	0.93	0.95	0.94	0.91
1,2,3,4,7,8-HxCDF	1.270	0.090	7.11 %	1.34	1.28	1.12	1.28	1.33
1,2,3,6,7,8-HxCDF	1.660	0.152	9.15 %	1.89	1.62	1.46	1.68	1.65
2,3,4,6,7,8-HxCDF	1.433	0.174	12.2 %	1.63	1.44	1.16	1.52	1.42
1,2,3,7,8,9-HxCDF	1.253	0.139	11.1 %	1.38	1.23	1.03	1.35	1.28
Total HxCDF	1.404	0.135	9.60 %	1.56	1.39	1.19	1.46	1.42
13C-1,2,3,6,7,8-HxCDD	0.884	0.024	2.70 %	0.89	0.89	0.91	0.88	0.85
1,2,3,4,7,8-HxCDD	0.835	0.100	12.0 %	0.94	0.79	0.68	0.89	0.87

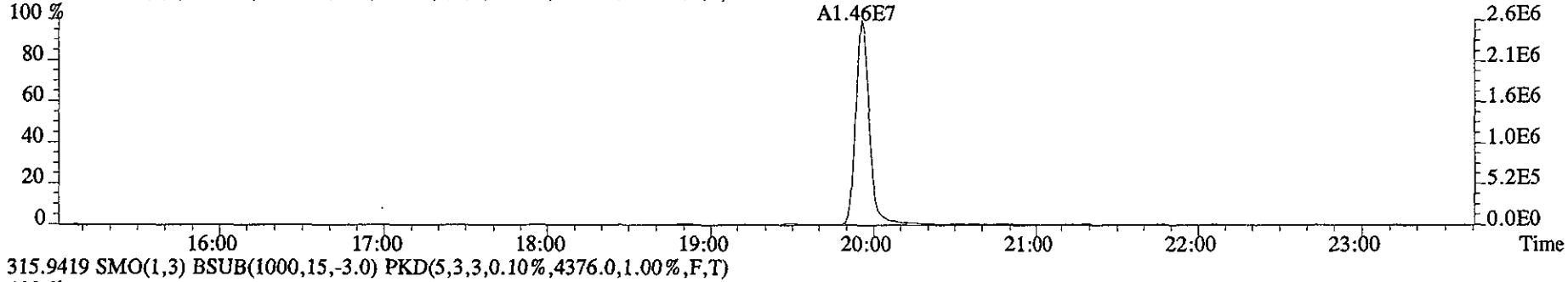
1,2,3,6,7,8-HxCDD	1.155	0.087	7.50 %	1.21	1.16	1.00	1.21	1.20
1,2,3,7,8,9-HxCDD	1.167	0.159	13.6 %	1.31	1.15	0.90	1.24	1.24
Total HxCDD	1.052	0.114	10.9 %	1.15	1.03	0.86	1.11	1.11
13C-1,2,3,4,6,7,8-HpCDF	0.866	0.033	3.79 %	0.90	0.85	0.86	0.90	0.82
1,2,3,4,6,7,8-HpCDF	1.344	0.119	8.86 %	1.44	1.35	1.14	1.37	1.41
1,2,3,4,7,8,9-HpCDF	1.106	0.113	10.2 %	1.17	1.11	0.91	1.16	1.18
Total HpCDF	1.225	0.116	9.44 %	1.31	1.23	1.02	1.26	1.30
13C-1,2,3,4,6,7,8-HpCDD	0.734	0.032	4.32 %	0.76	0.73	0.70	0.77	0.71
1,2,3,4,6,7,8-HpCDD	1.044	0.093	8.91 %	1.12	1.04	0.89	1.08	1.10
Total HpCDD	1.044	0.093	8.91 %	1.12	1.04	0.89	1.08	1.10
13C-OCDD	0.519	0.045	8.61 %	0.54	0.52	0.47	0.58	0.49
OCDF	1.544	0.137	8.84 %	1.66	1.50	1.33	1.59	1.64
OCDD	1.146	0.109	9.54 %	1.23	1.15	0.96	1.17	1.22

File:13MY104D5 #1-523 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

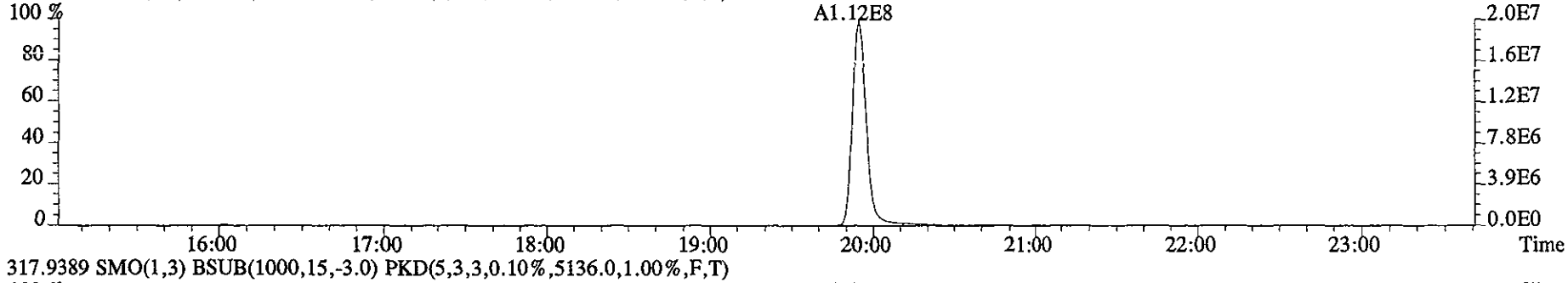
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



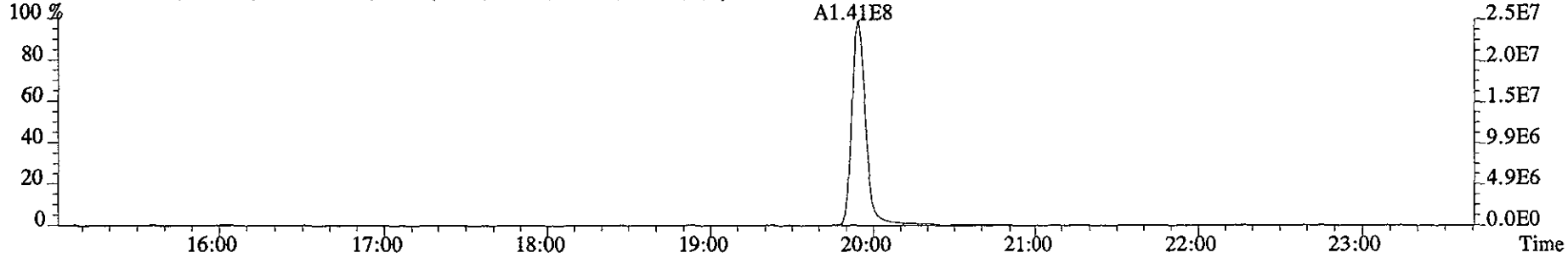
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2472.0,1.00%,F,T)



315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4376.0,1.00%,F,T)

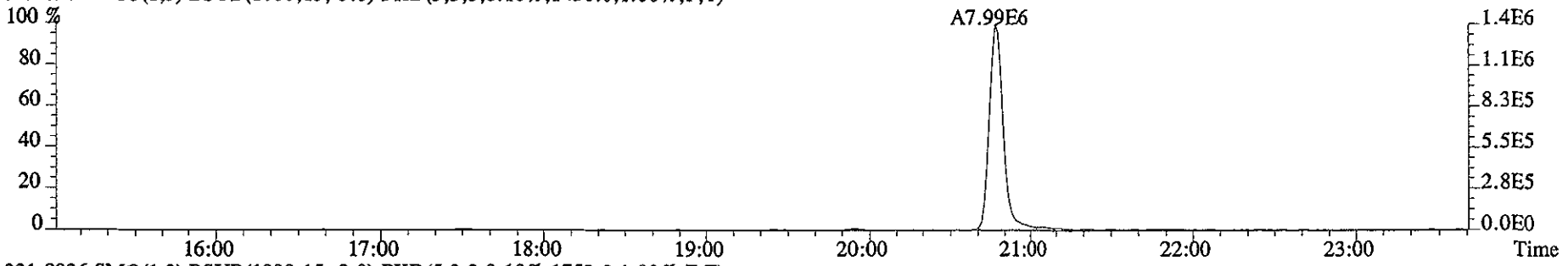


317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5136.0,1.00%,F,T)

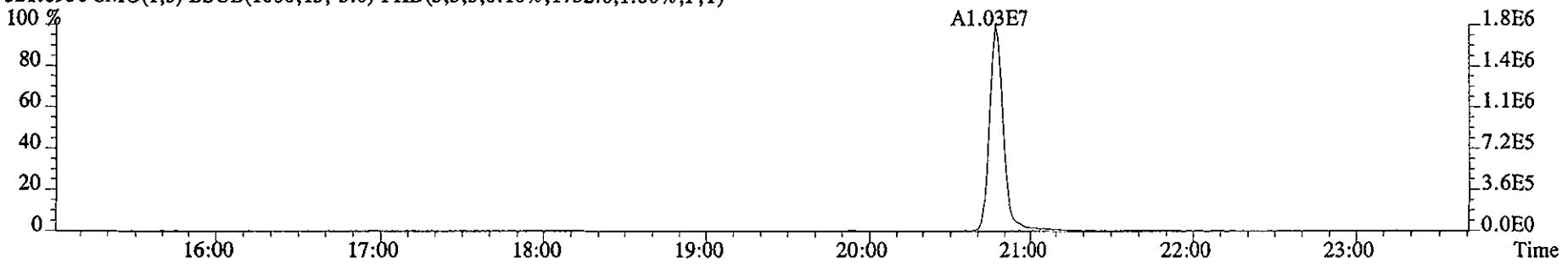


File:13MY104D5 #1-523 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

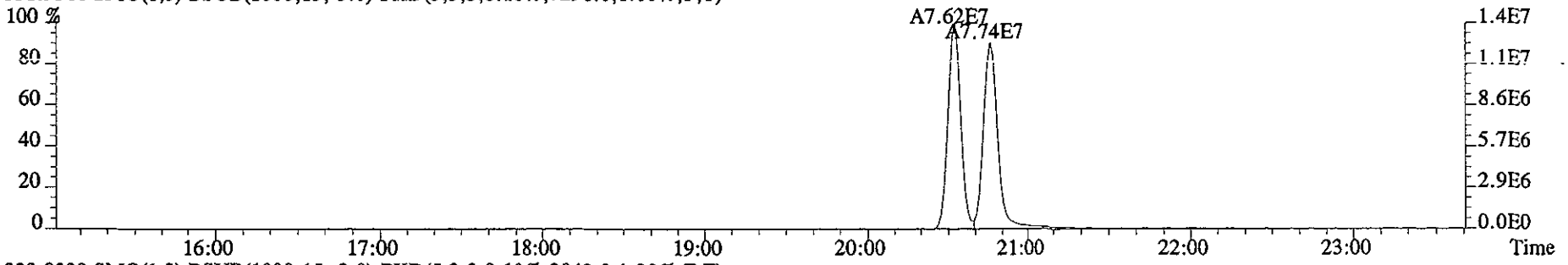
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)



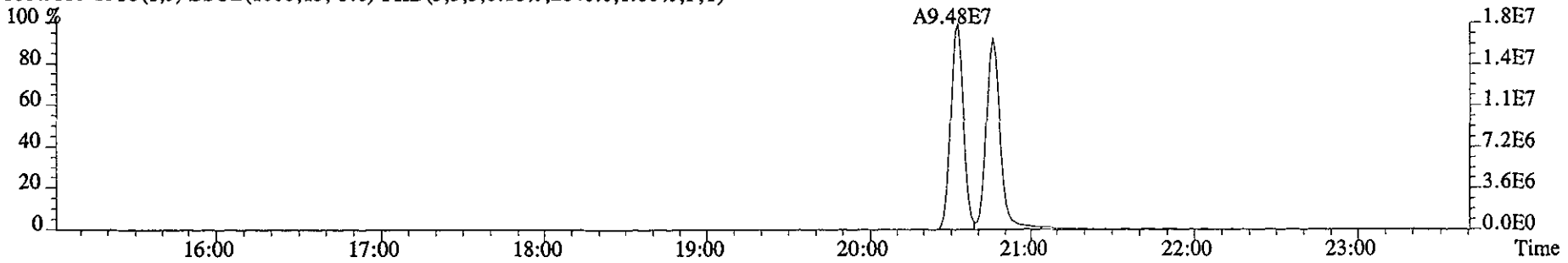
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1752.0,1.00%,F,T)



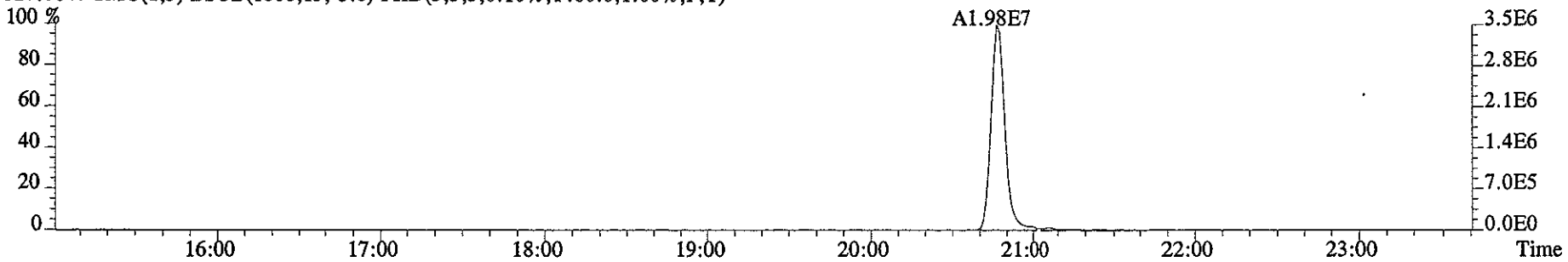
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7296.0,1.00%,F,T)

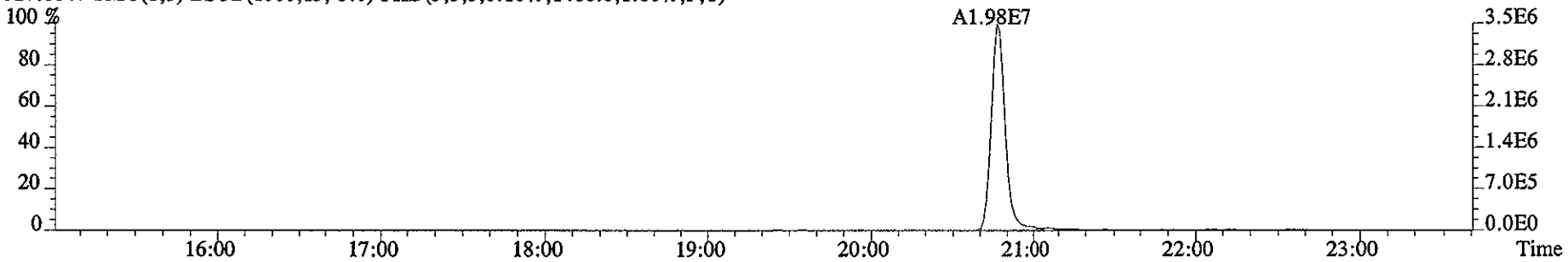


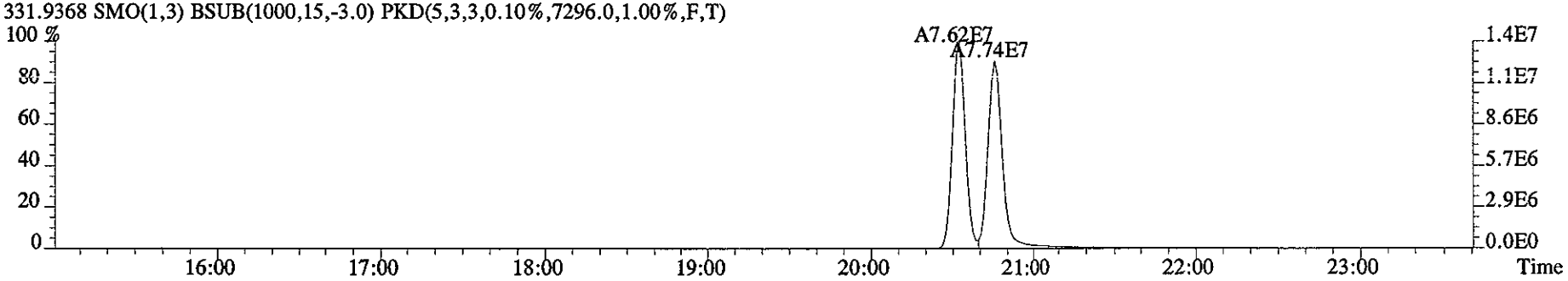
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2840.0,1.00%,F,T)

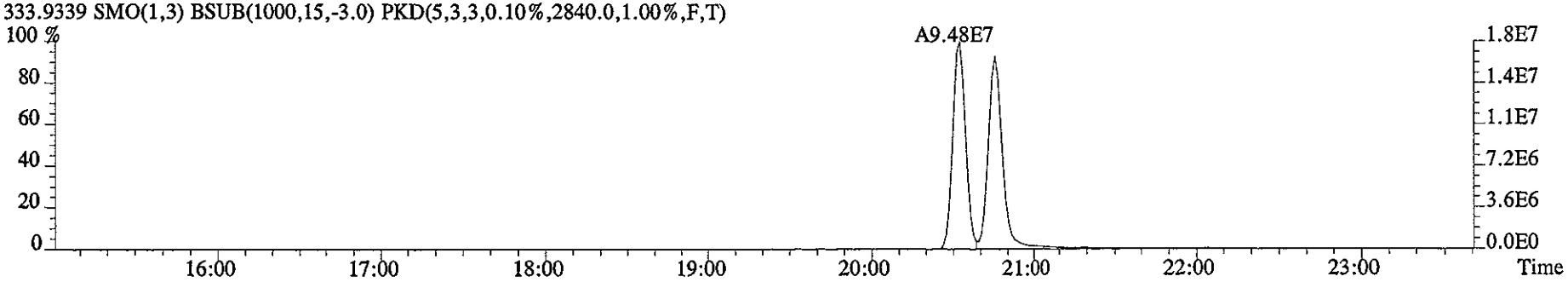


File:13MY104D5 #1-523 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A



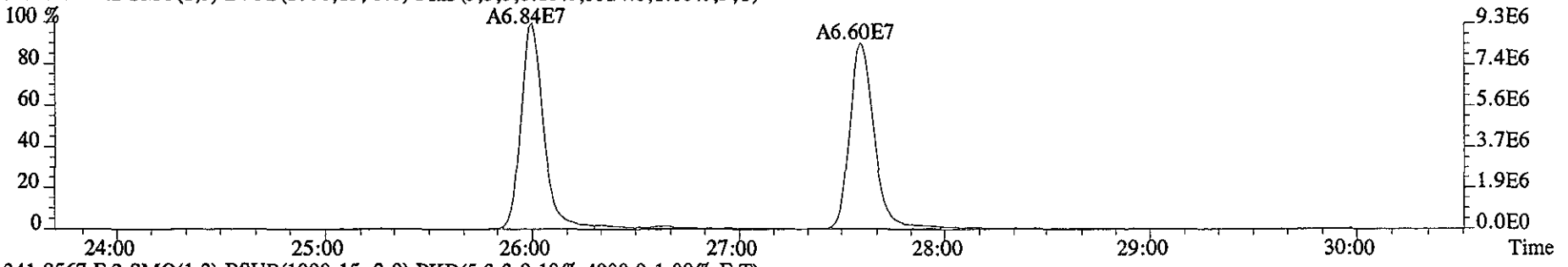




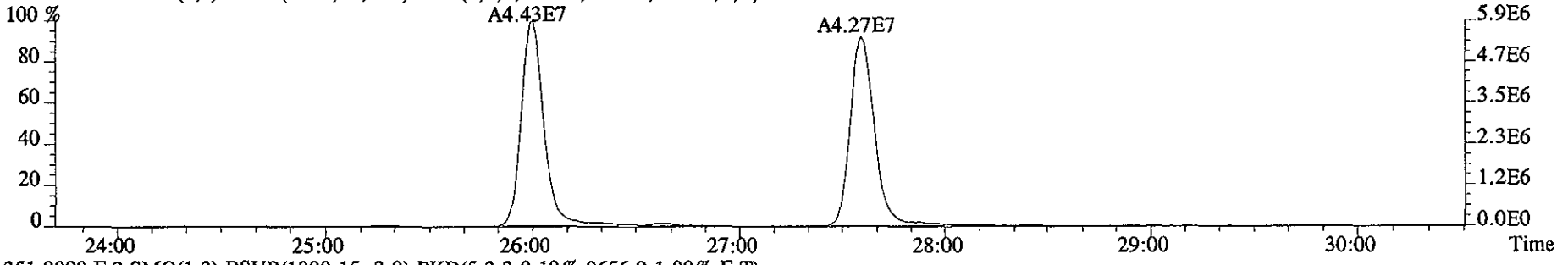


File:13MY104D5 #1-543 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

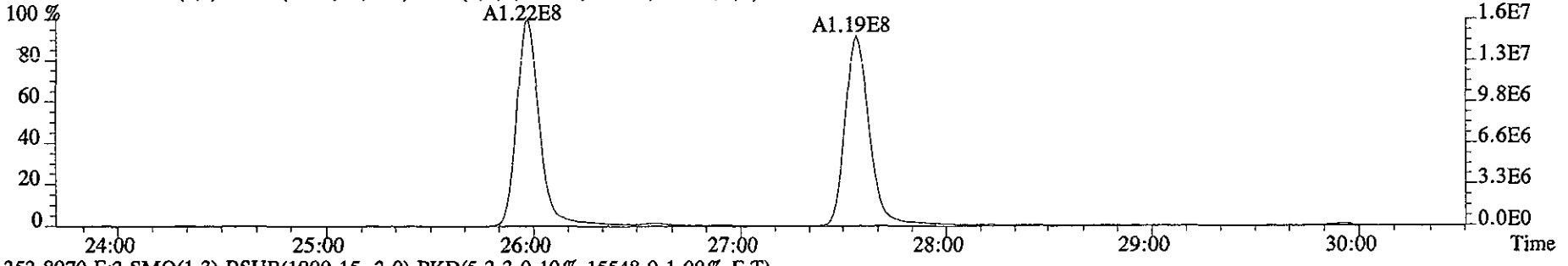
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5524.0,1.00%,F,T)



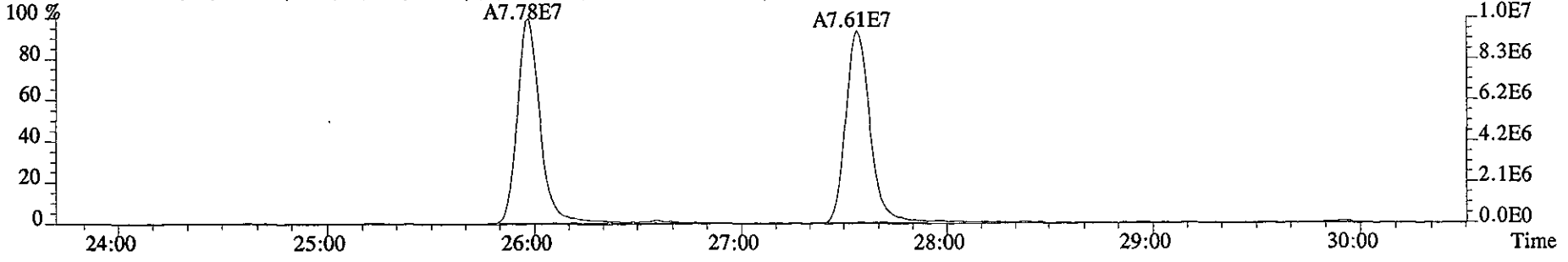
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)



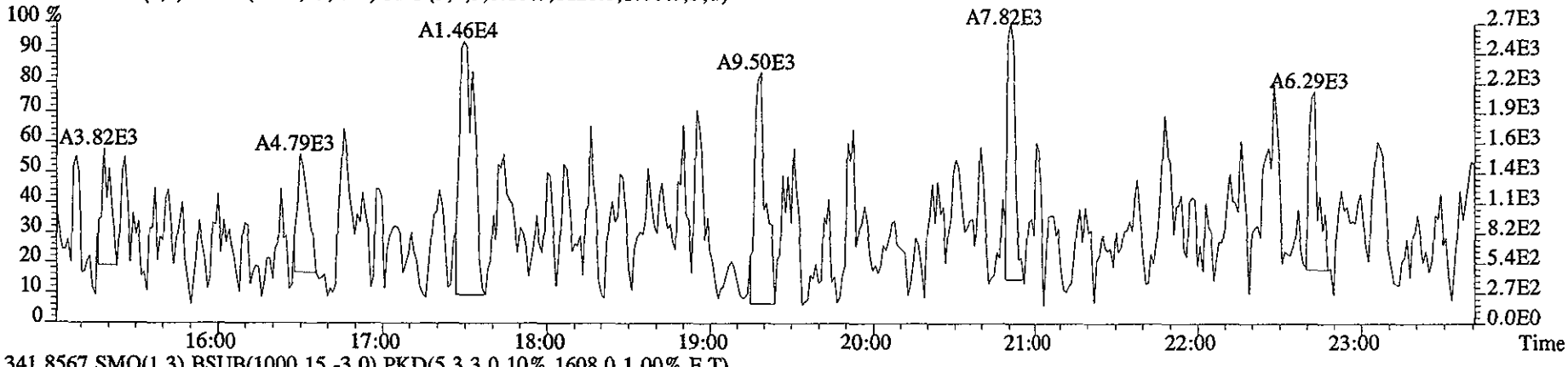
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9656.0,1.00%,F,T)



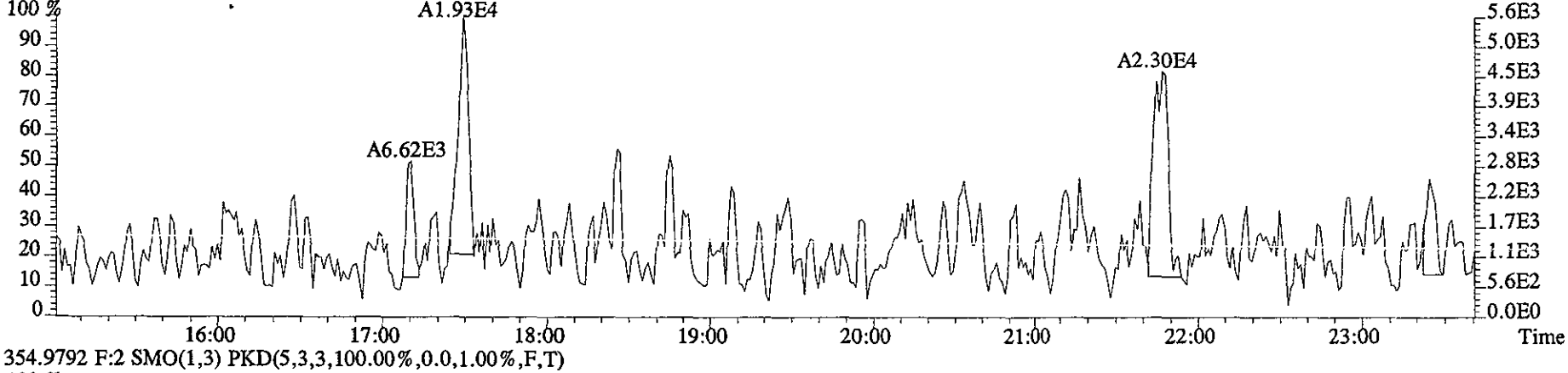
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15548.0,1.00%,F,T)



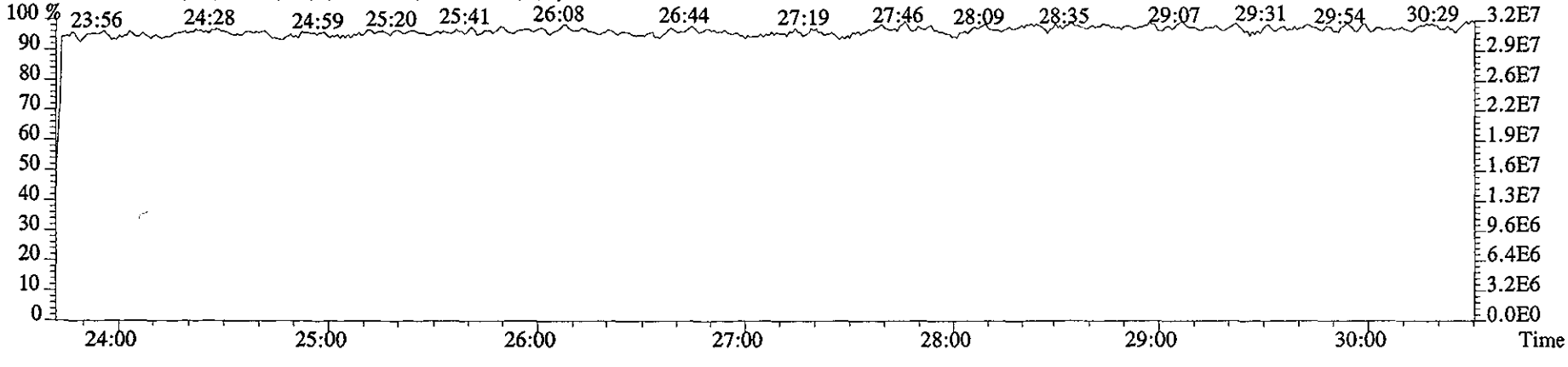
File:13MY104D5 #1-523 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1120.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1608.0,1.00%,F,T)

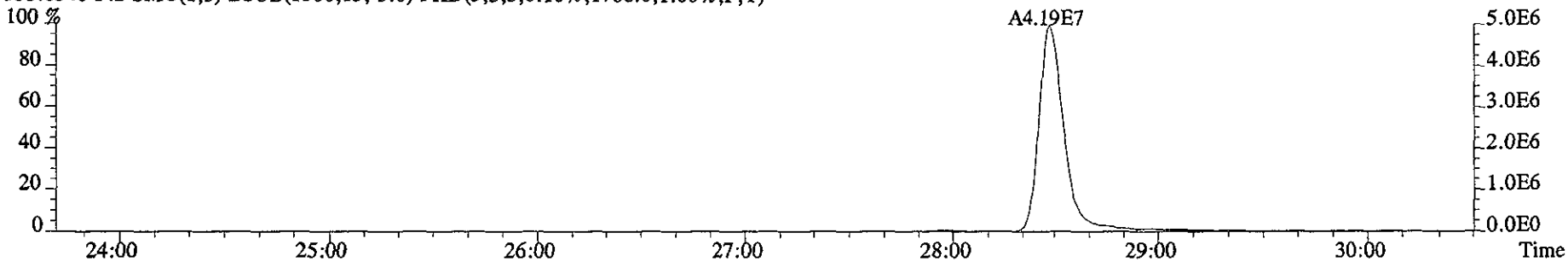


354.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

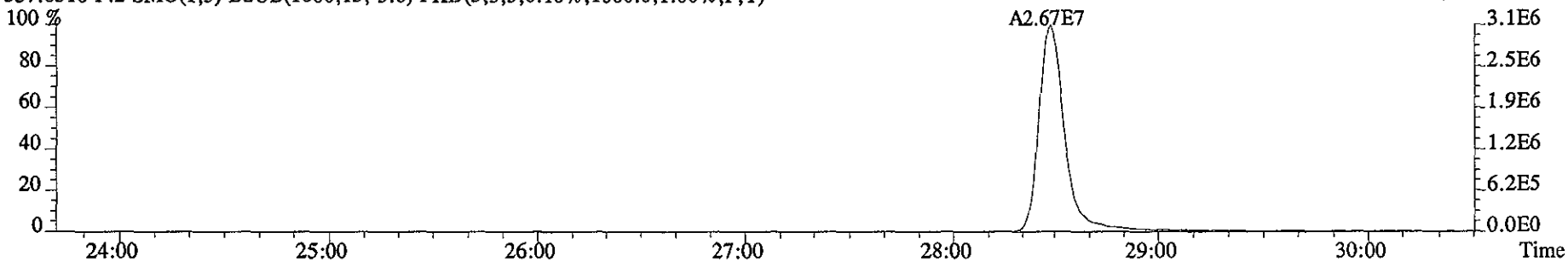


File:13MY104D5 #1-543 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

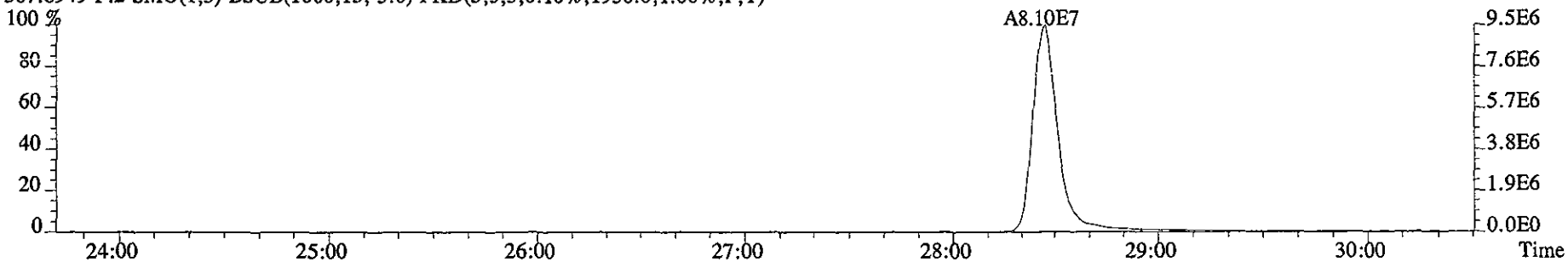
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



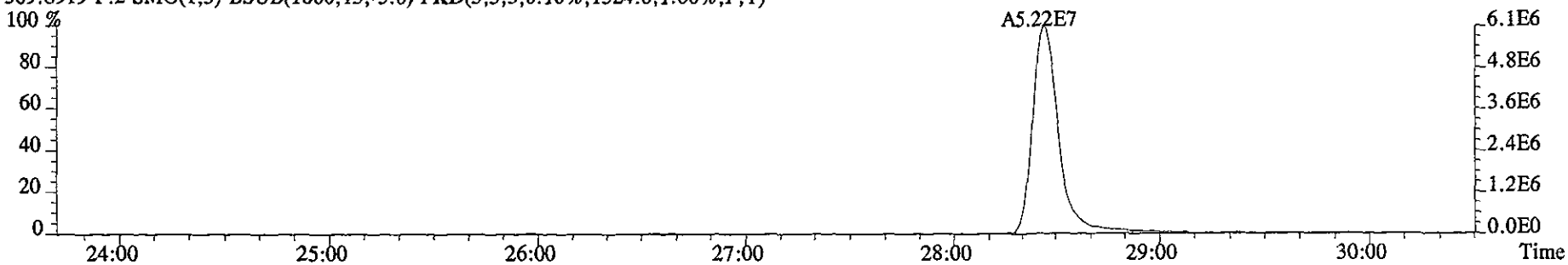
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1000.0,1.00%,F,T)



367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956.0,1.00%,F,T)

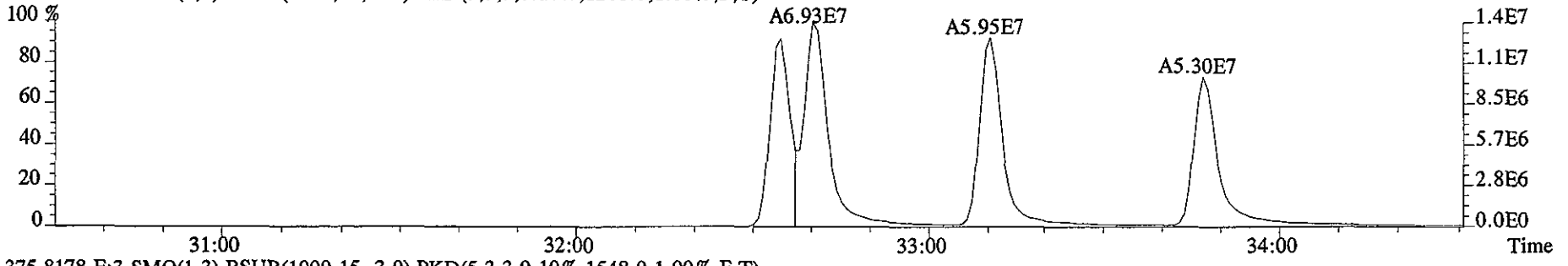


369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1524.0,1.00%,F,T)

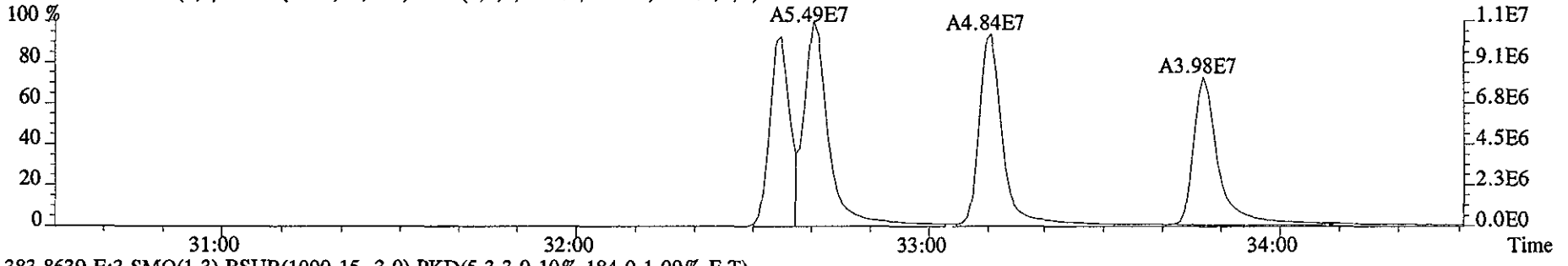


File:13MY104D5 #1-302 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

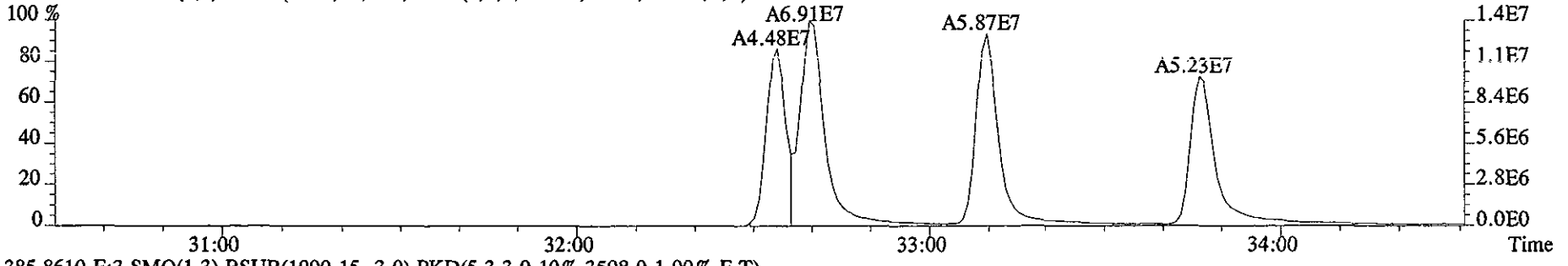
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1268.0,1.00%,F,T)



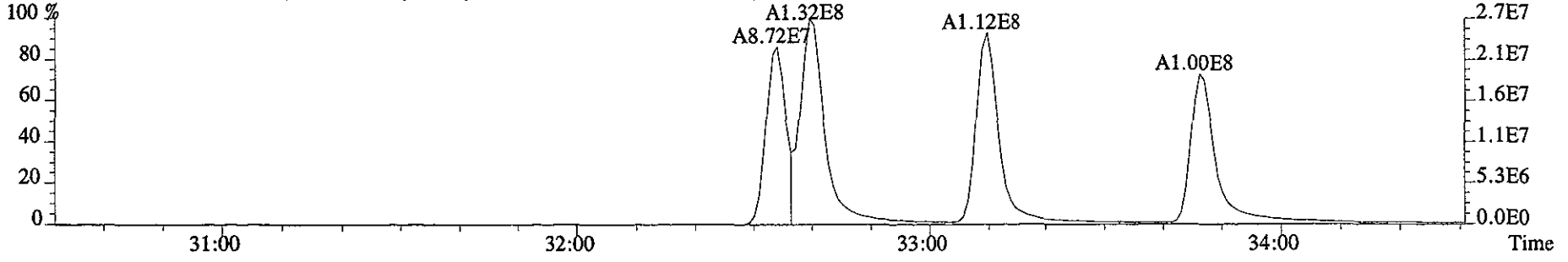
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1548.0,1.00%,F,T)



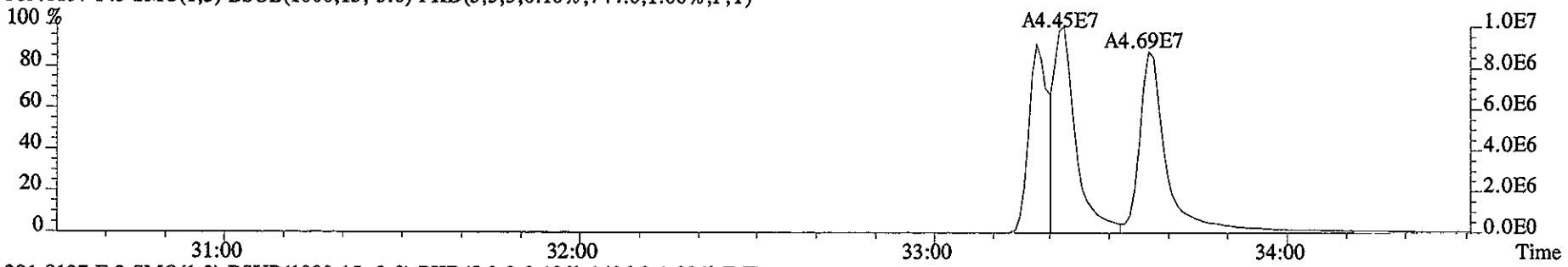
383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,184.0,1.00%,F,T)

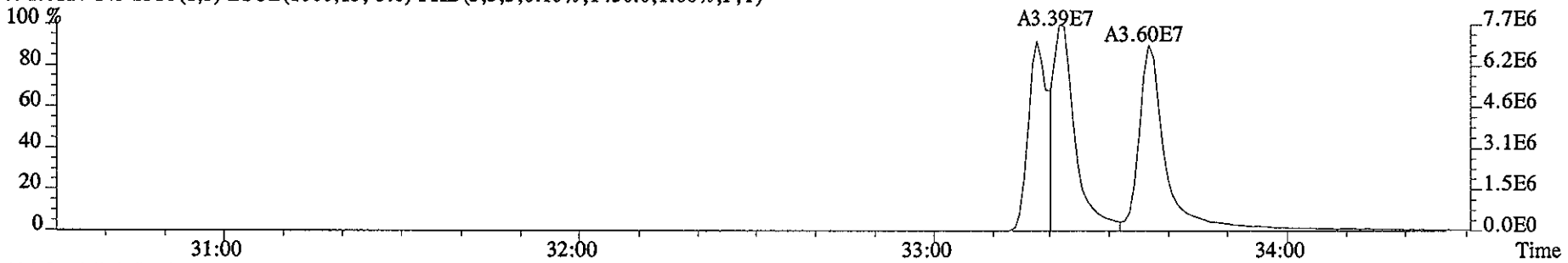


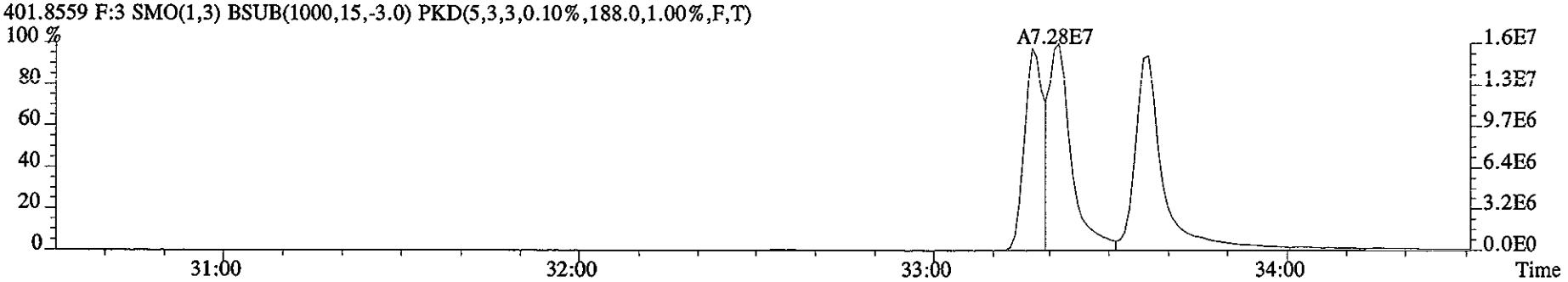
385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3508.0,1.00%,F,T)

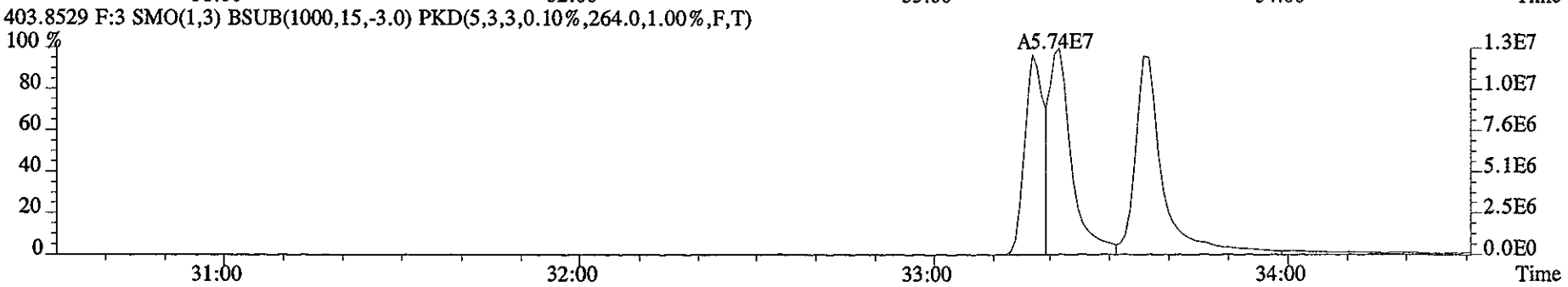


File:13MY104D5 #1-302 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

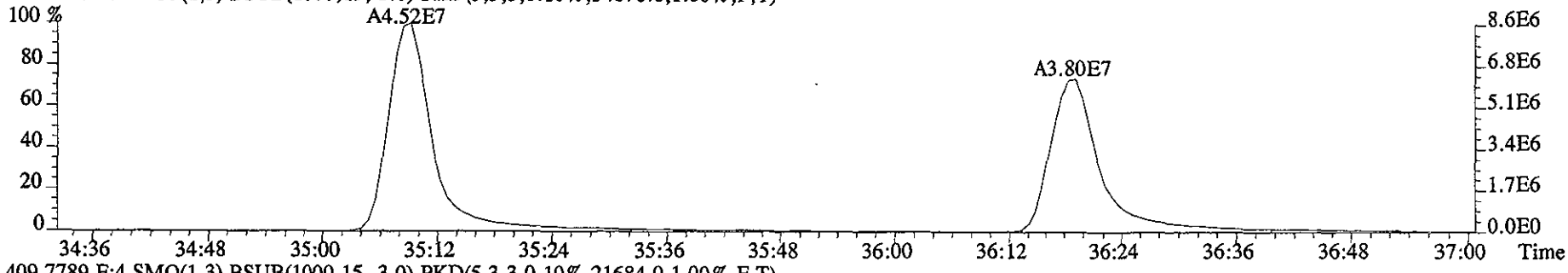




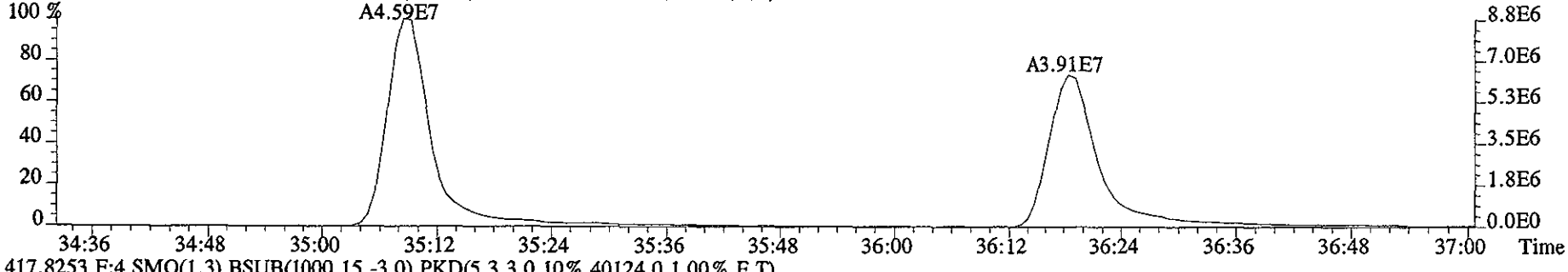




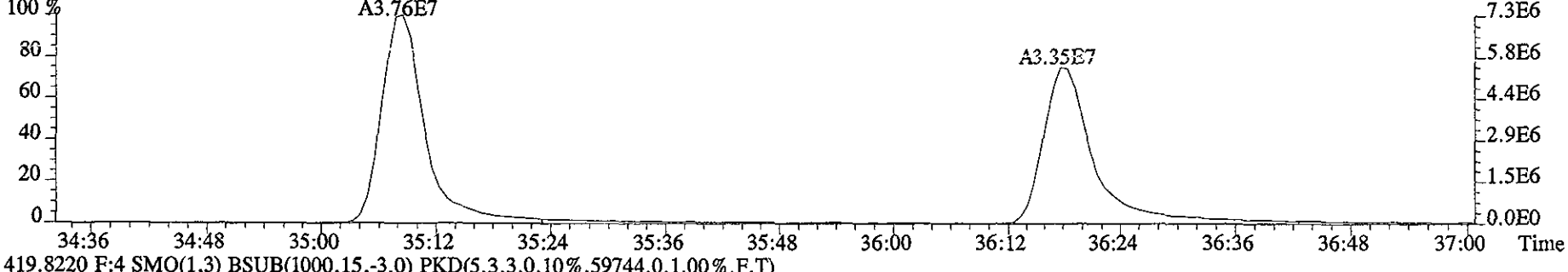
File:13MY104D5 #1-198 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34676.0,1.00%,F,T)



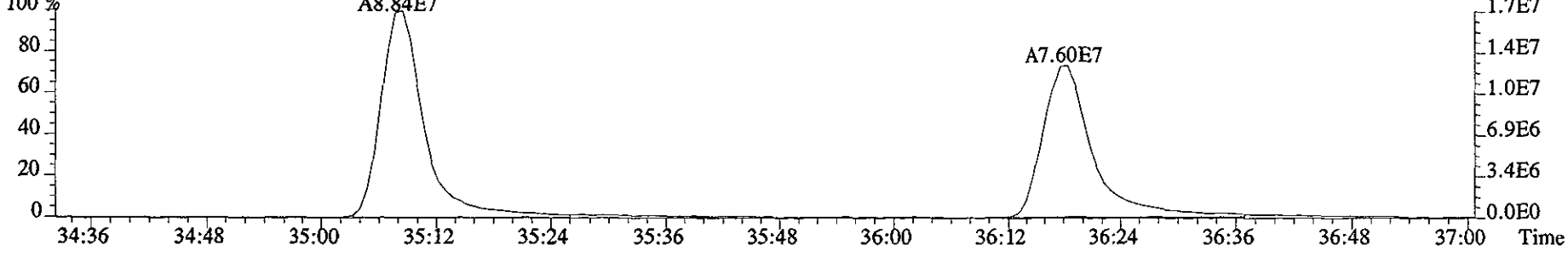
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21684.0,1.00%,F,T)



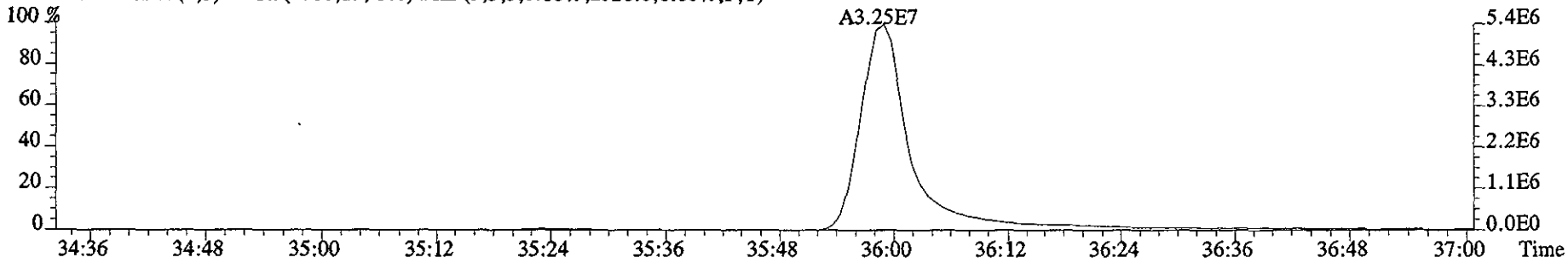
417.8253 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40124.0,1.00%,F,T)



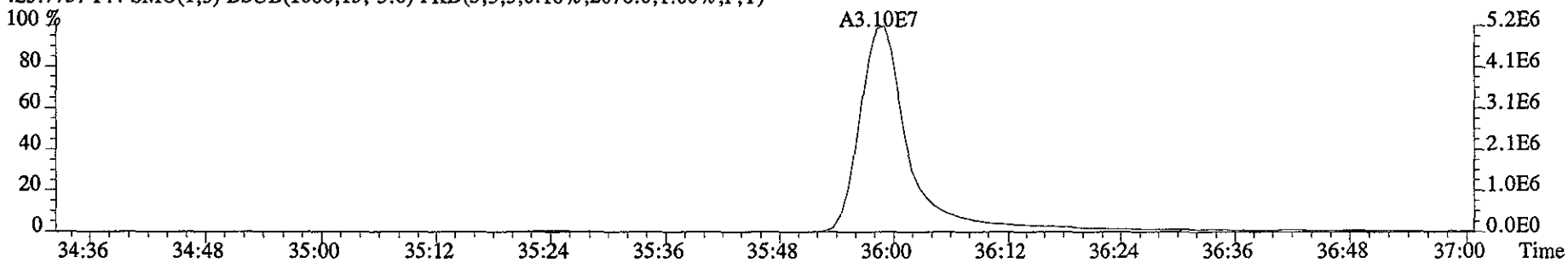
419.8220 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,59744.0,1.00%,F,T)



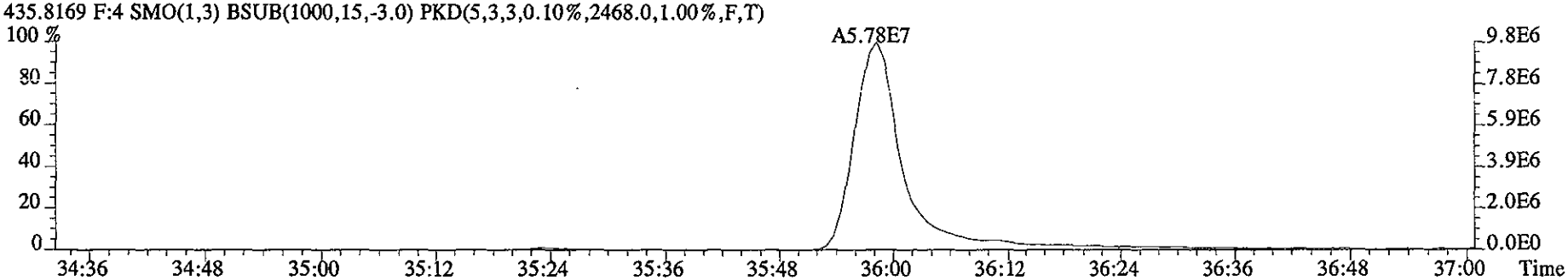
File:13MY104D5 #1-198 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A
423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



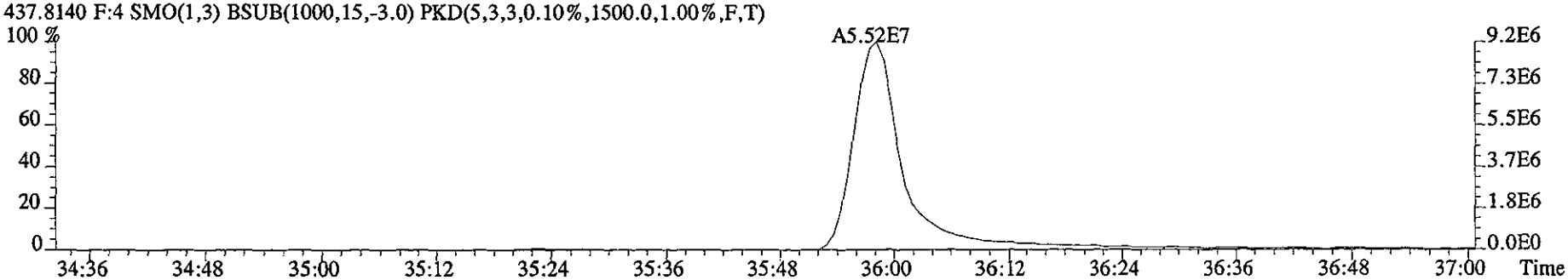
425.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2076.0,1.00%,F,T)



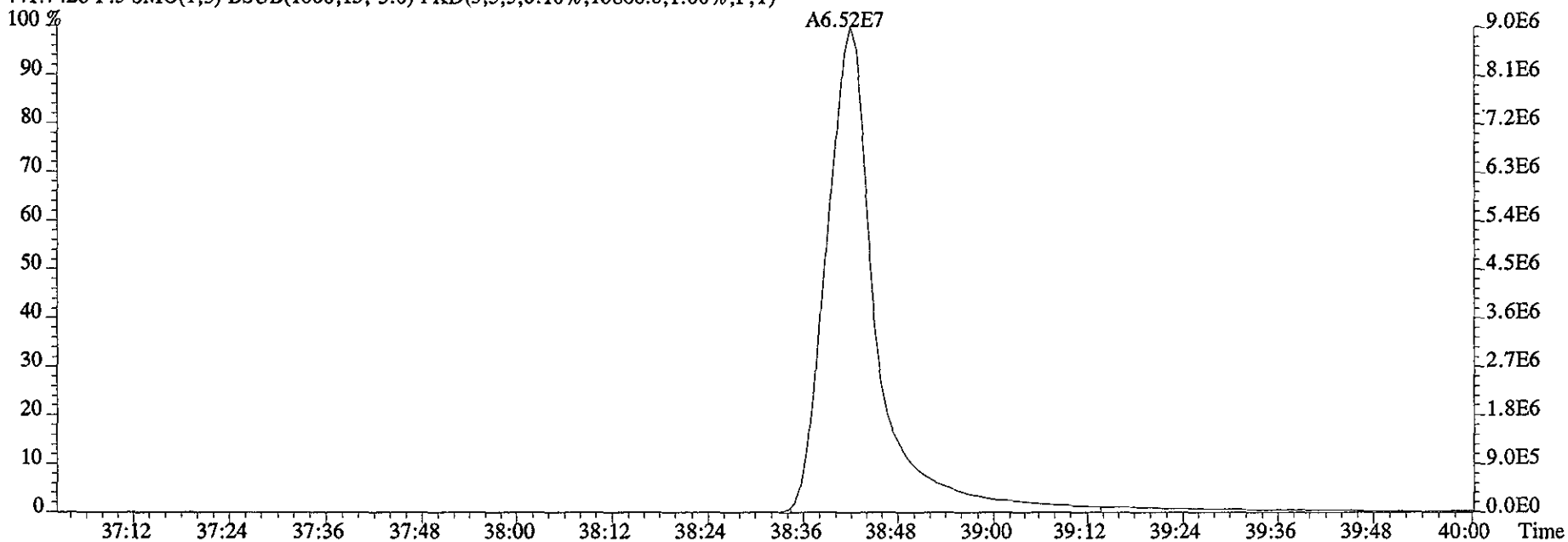
435.8169 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2468.0,1.00%,F,T)



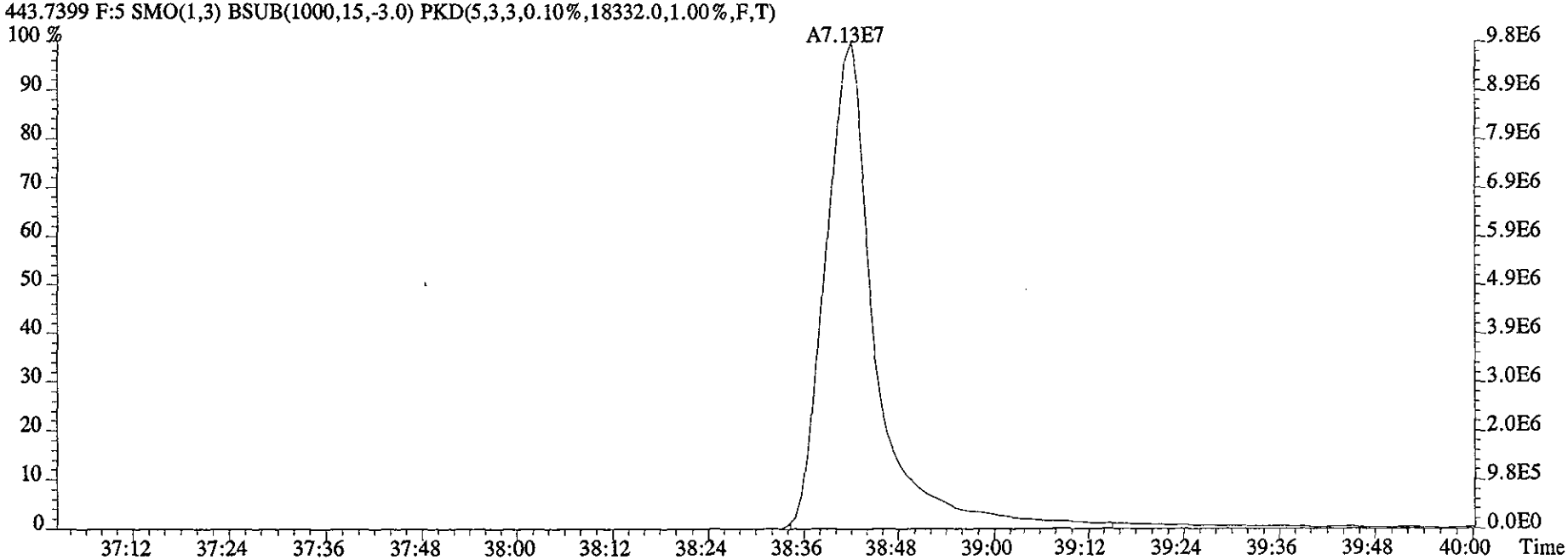
437.8140 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T)



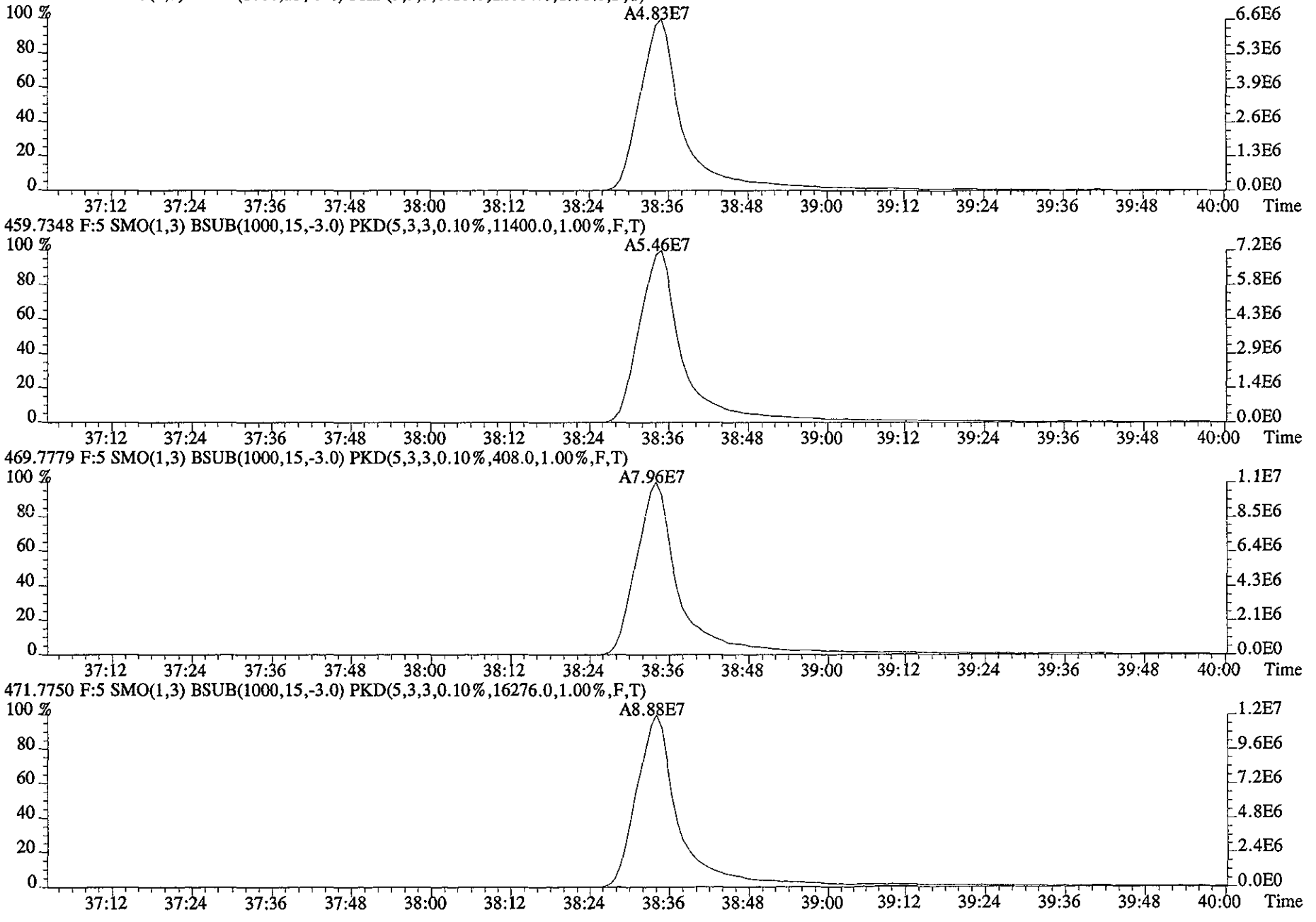
File:13MY104D5 #1-228 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16868.0,1.00%,F,T)



443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18332.0,1.00%,F,T)

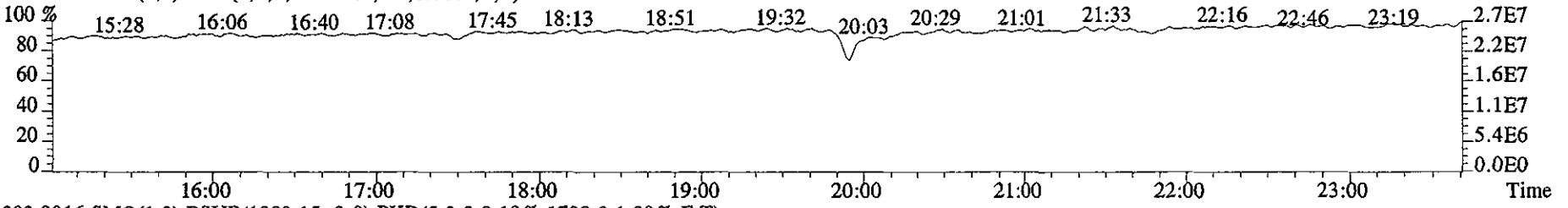


File:13MY104D5 #1-228 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

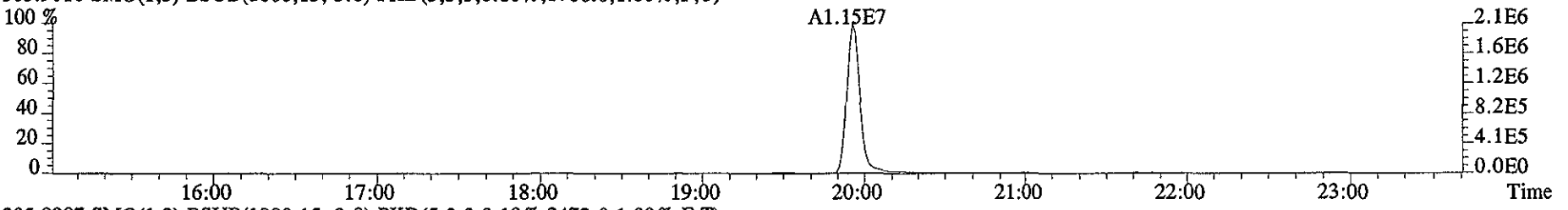


File:13MY104D5 #1-523 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

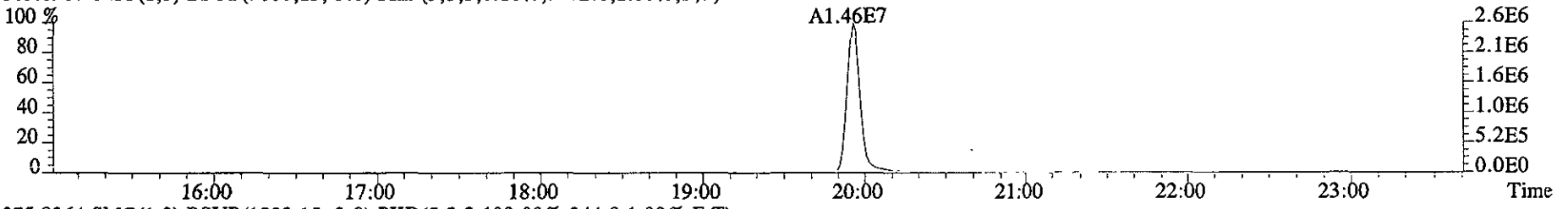
354.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



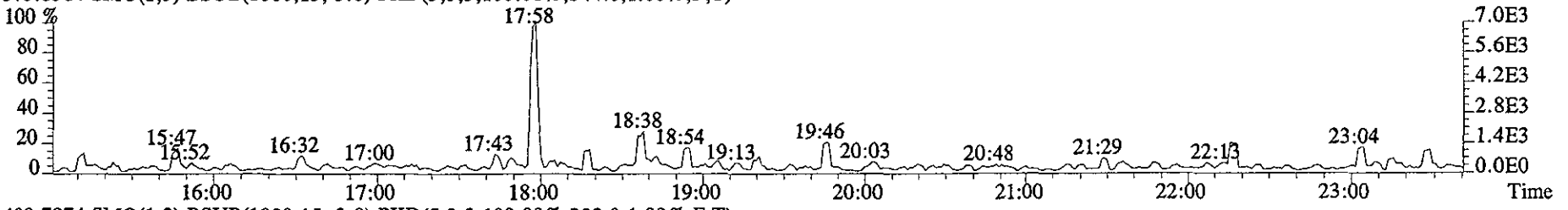
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



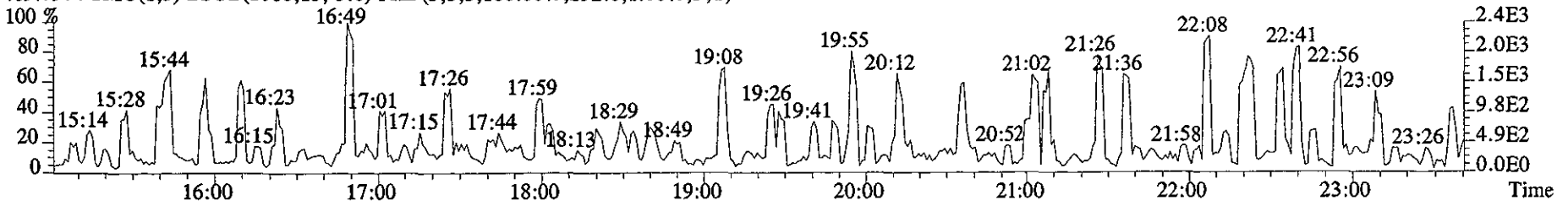
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2472.0,1.00%,F,T)



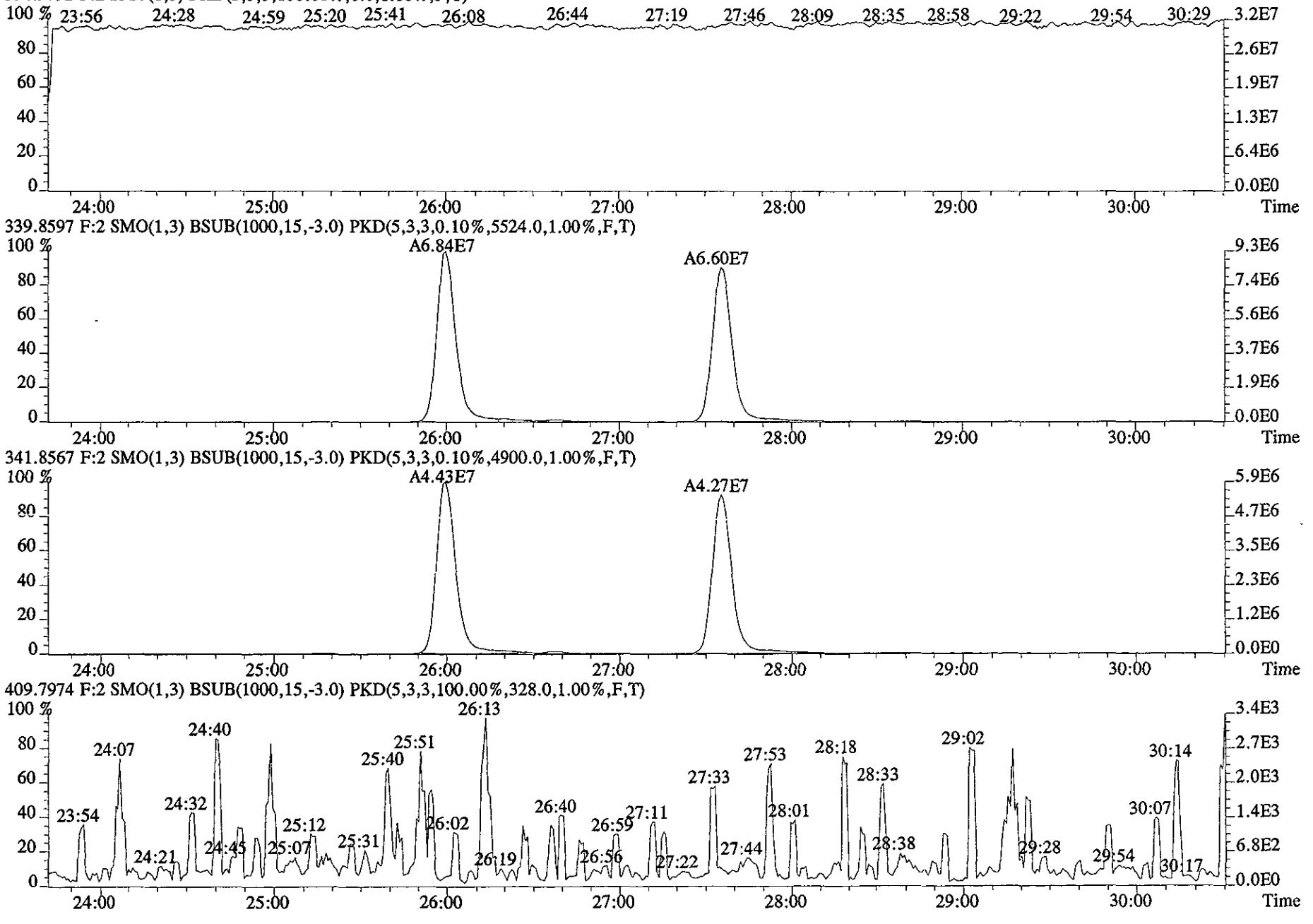
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,344.0,1.00%,F,T)



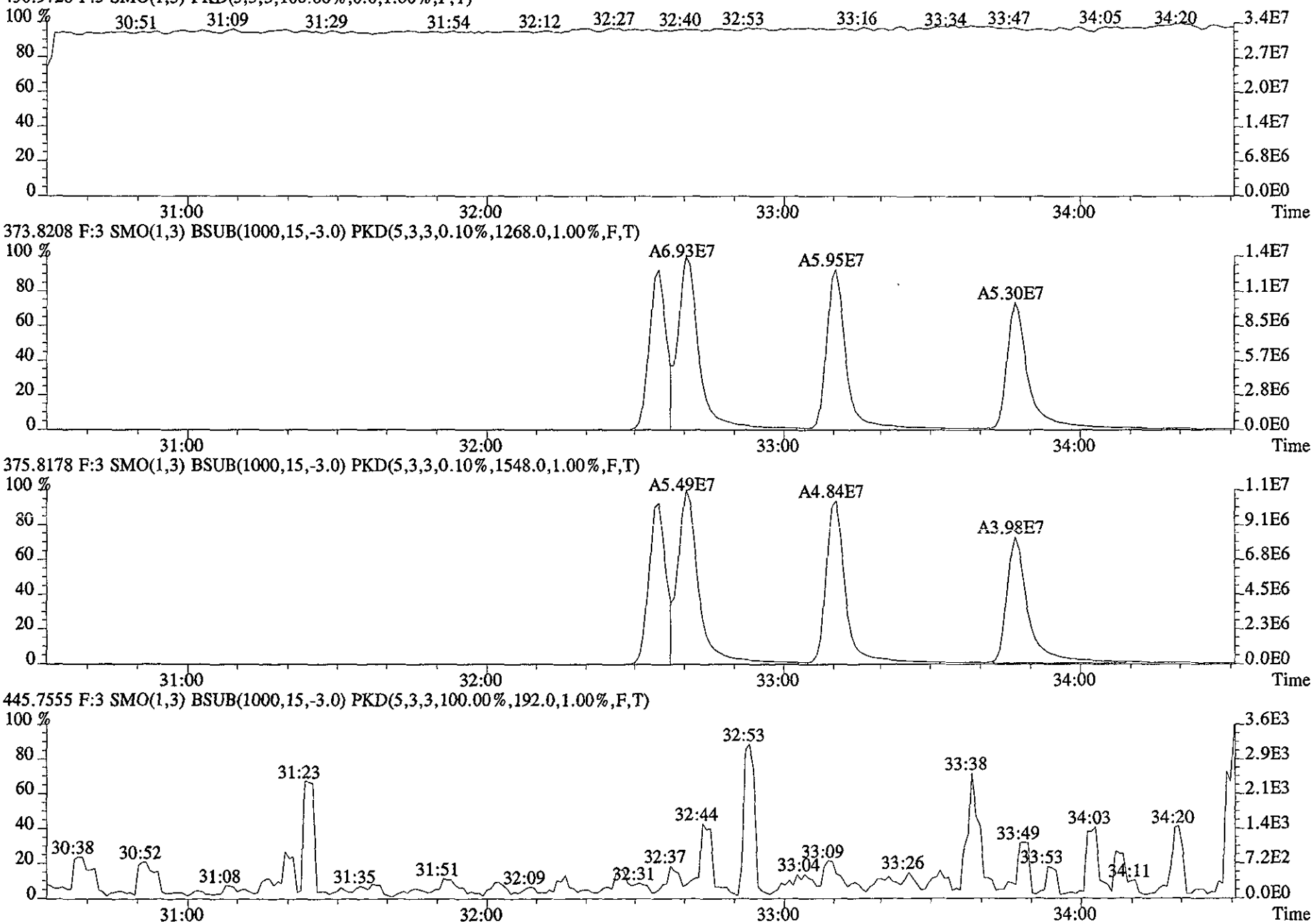
409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,292.0,1.00%,F,T)



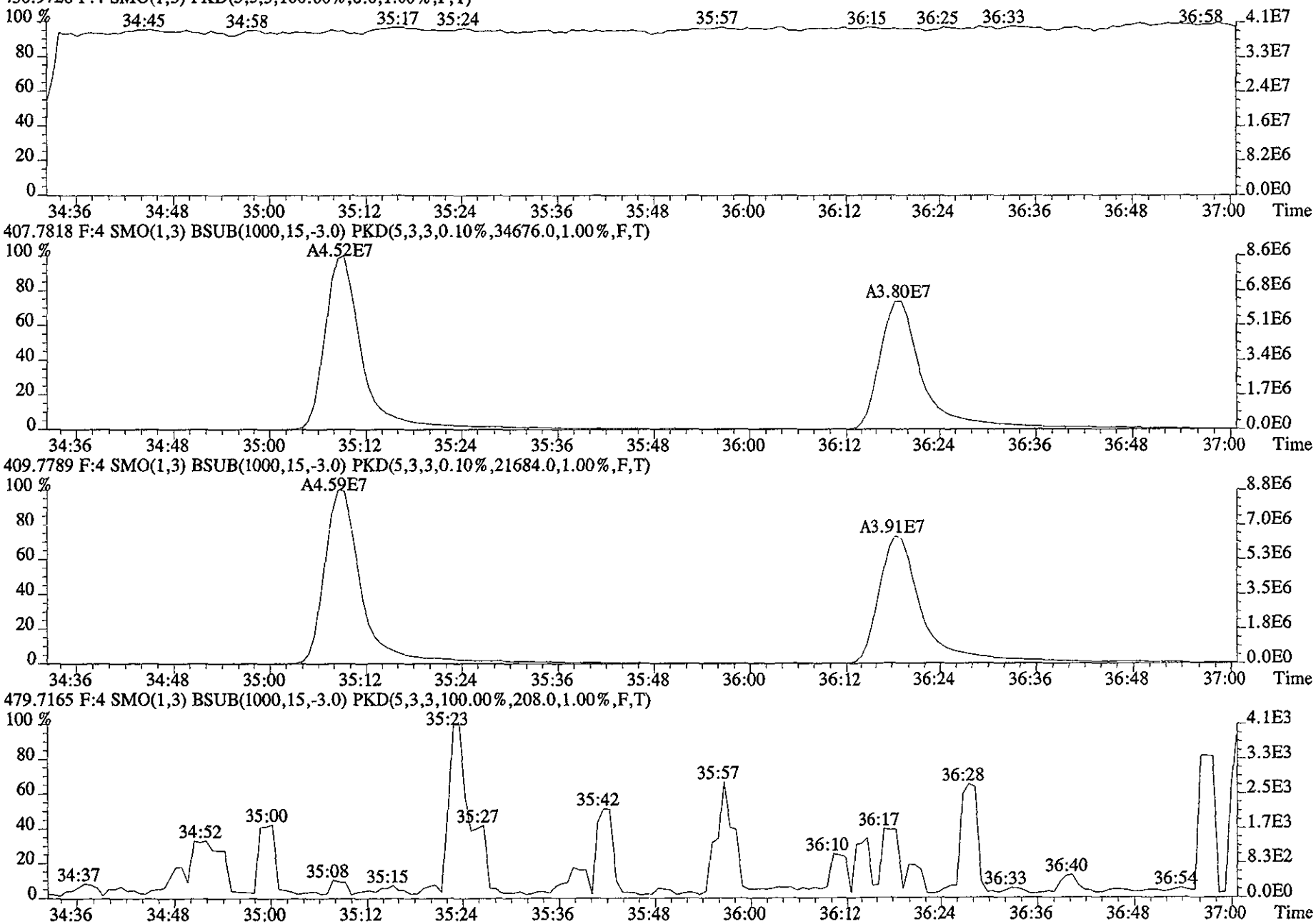
File:13MY104D5 #1-543 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A



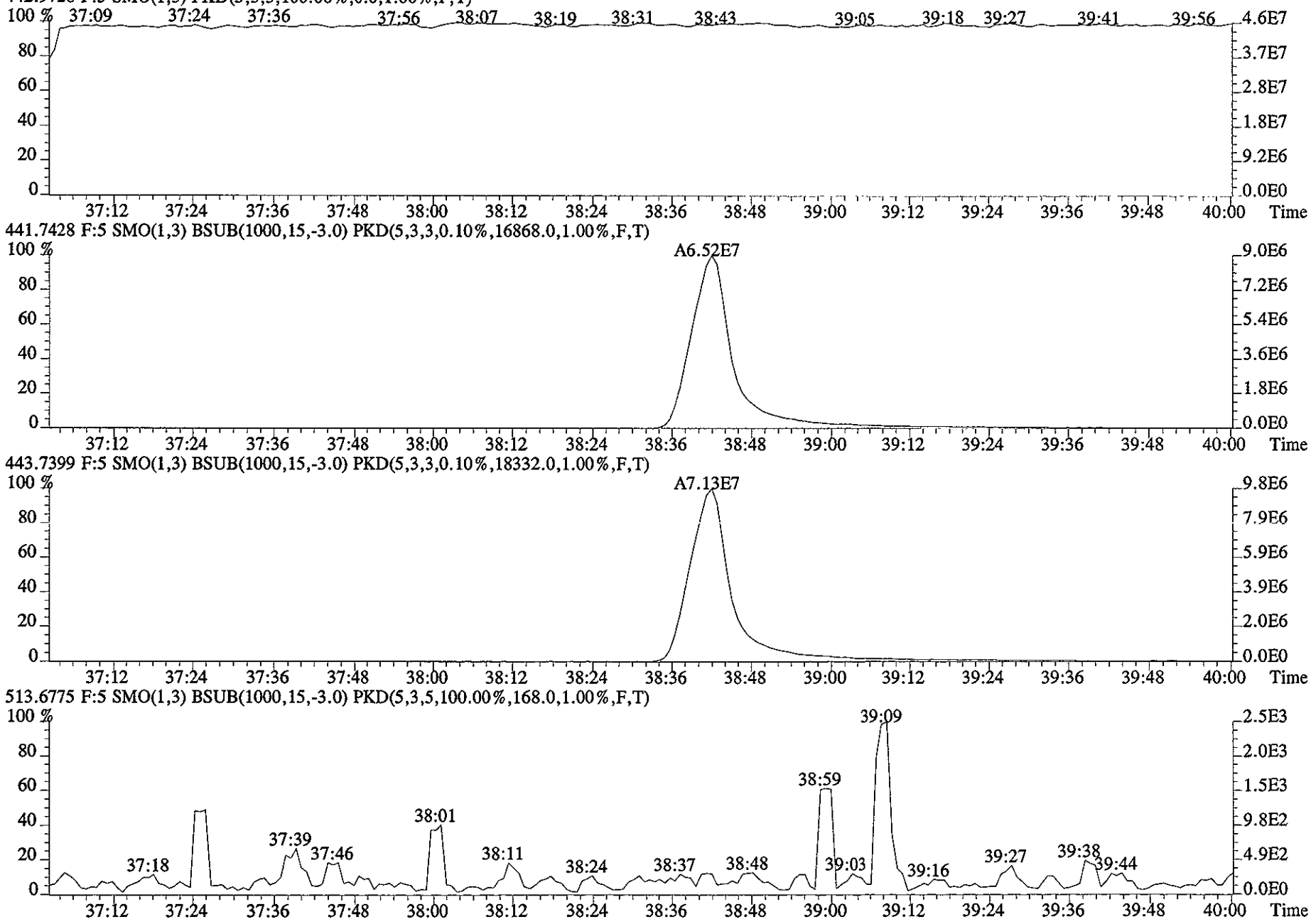
File:13MY104D5 #1-302 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A



File:13MY104D5 #1-198 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

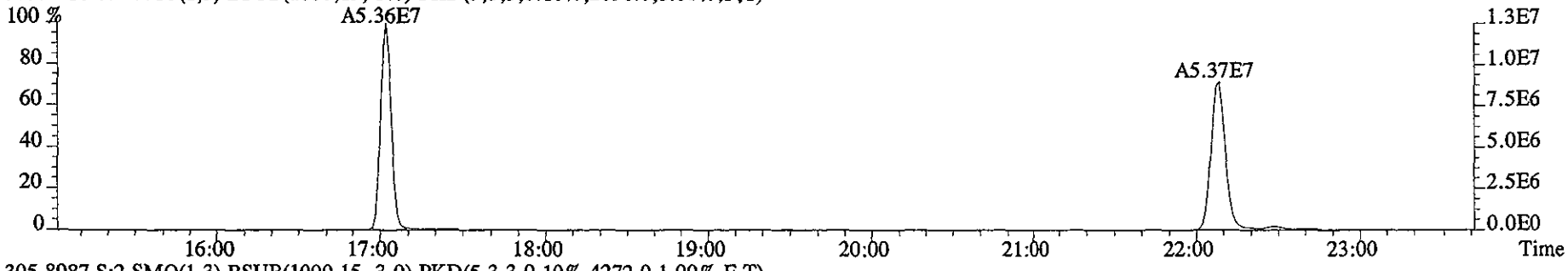


File:13MY104D5 #1-228 Acq:13-MAY-2010 10:31:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0513 :CS3 10DXN126 Exp:DIOXINRES8290A

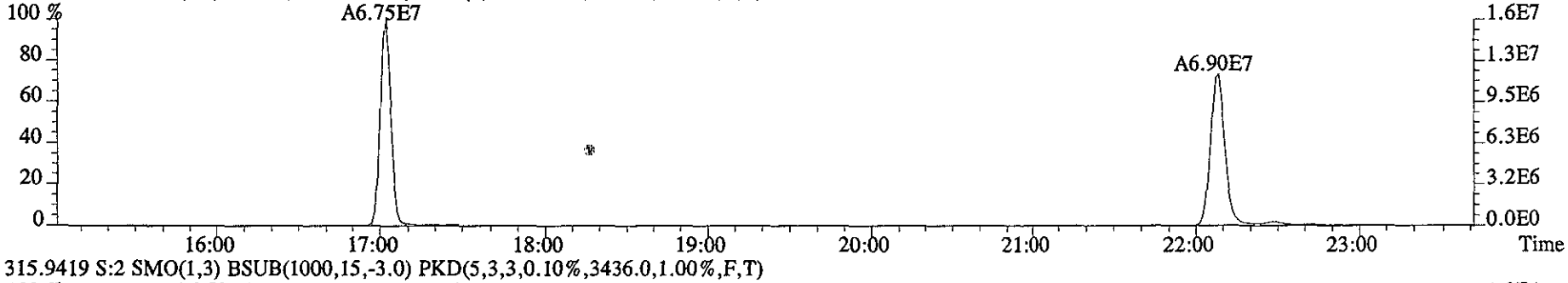


File:13MY104D5 #1-523 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

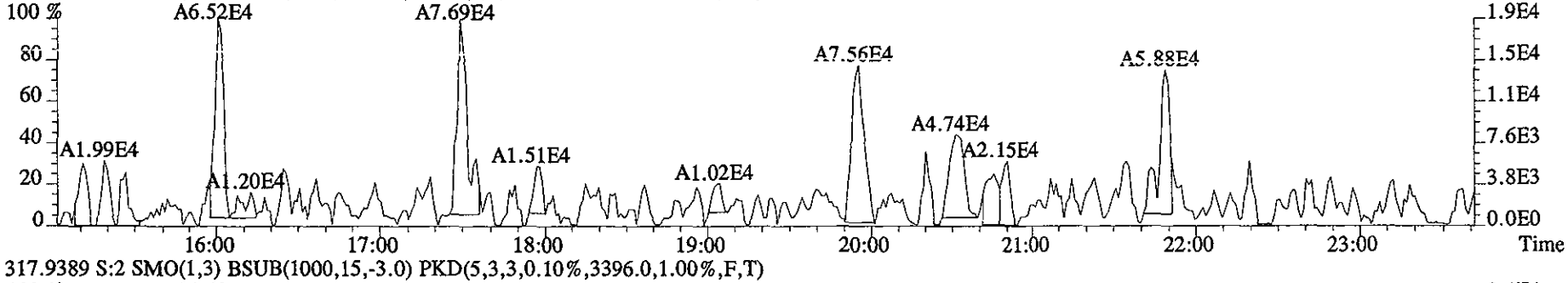
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



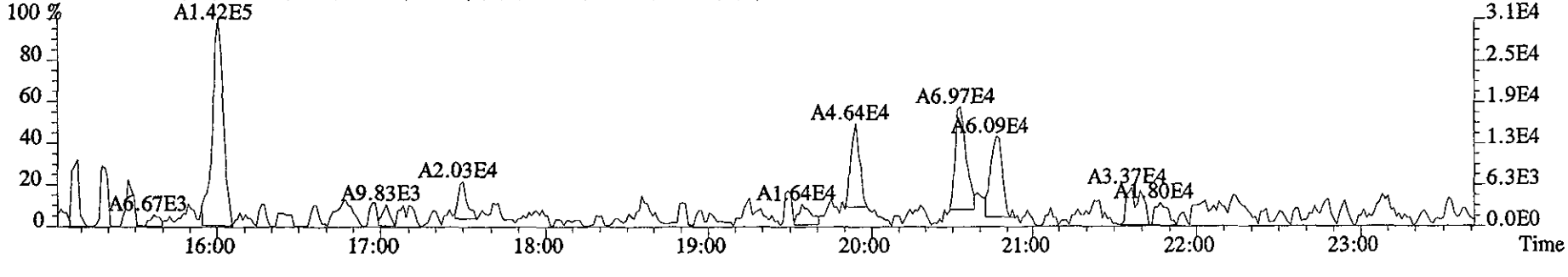
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4272.0,1.00%,F,T)



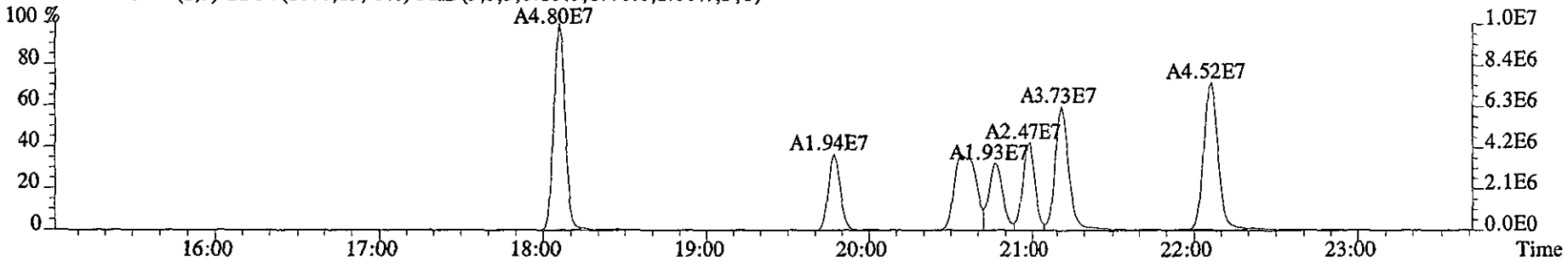
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3436.0,1.00%,F,T)



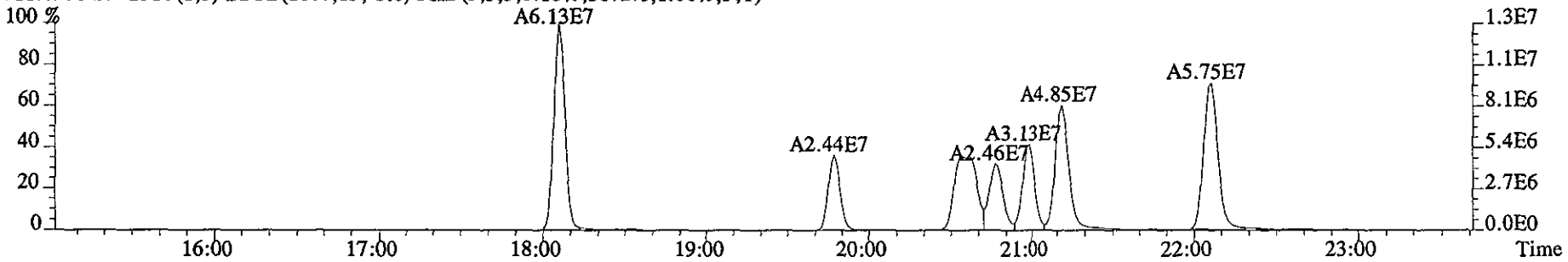
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3396.0,1.00%,F,T)



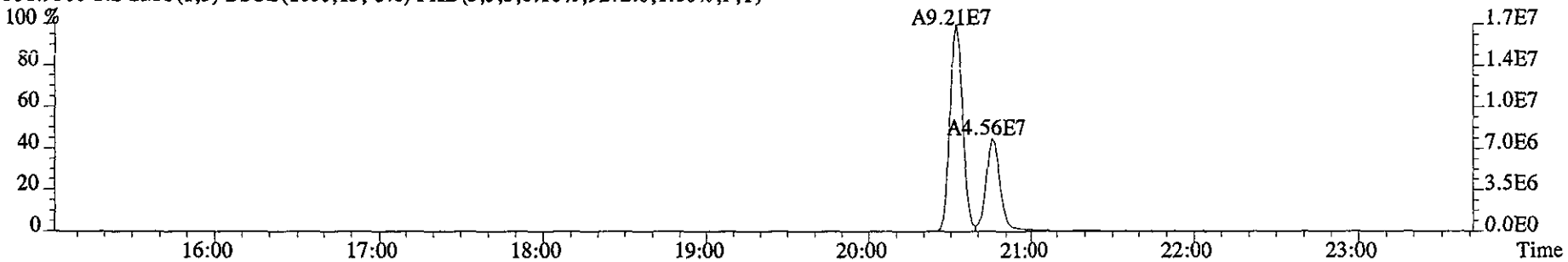
File:13MY104D5 #1-523 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1776.0,1.00%,F,T)



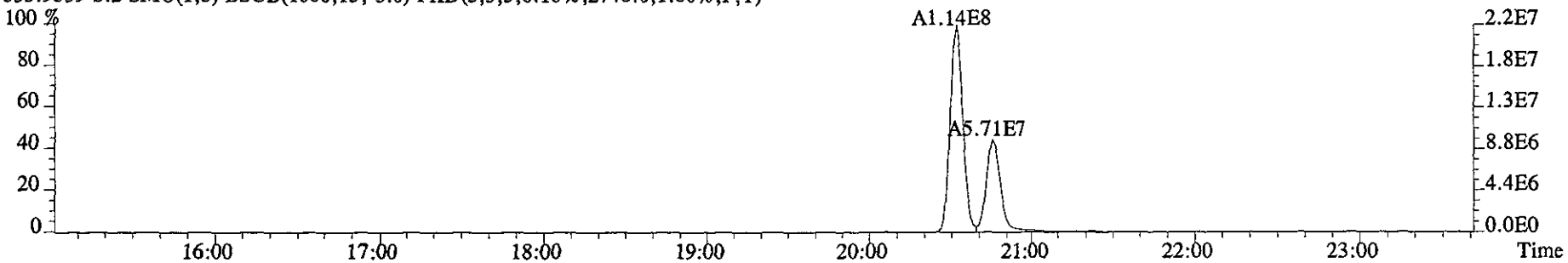
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3872.0,1.00%,F,T)



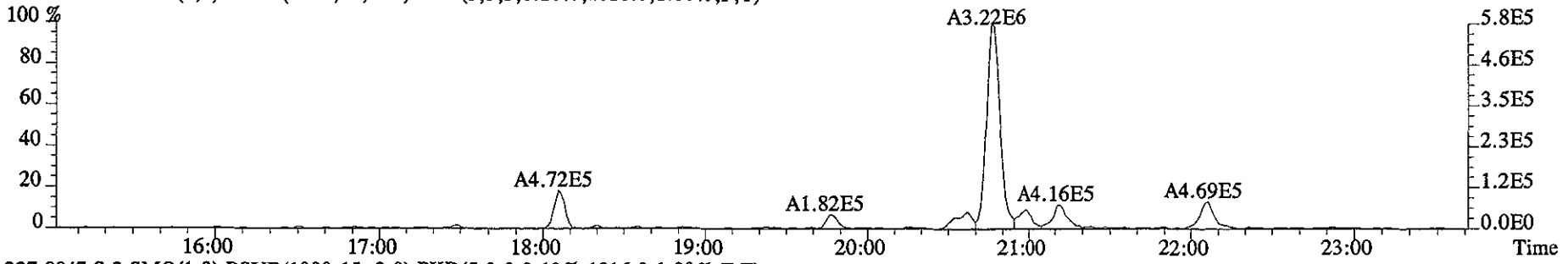
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9272.0,1.00%,F,T)

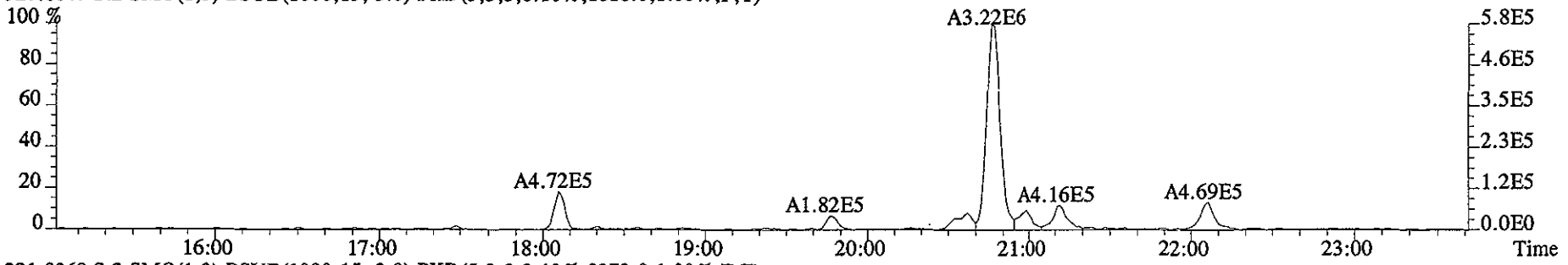


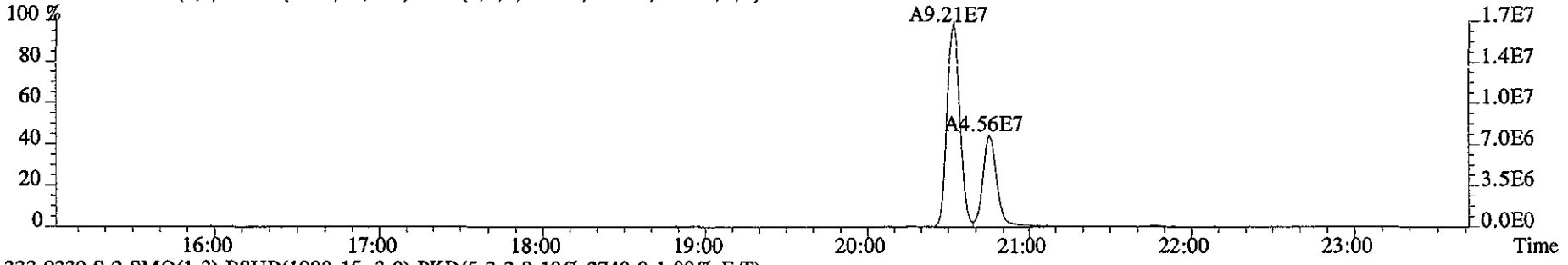
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2740.0,1.00%,F,T)

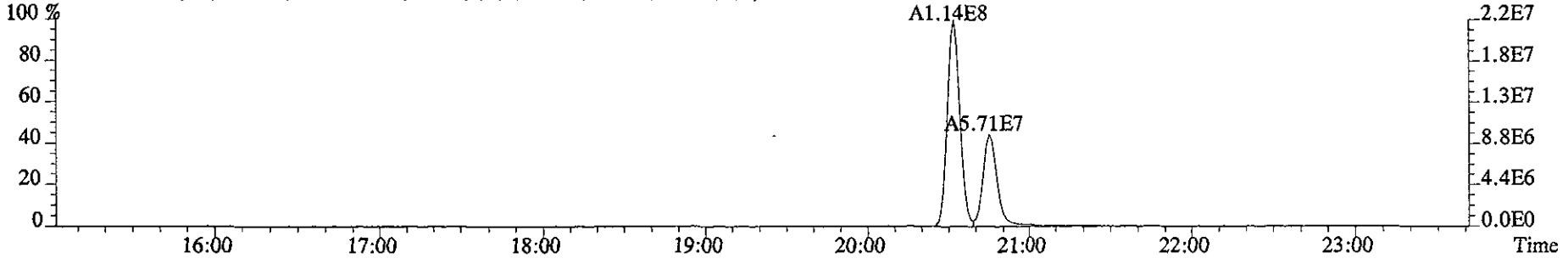


File:13MY104D5 #1-523 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



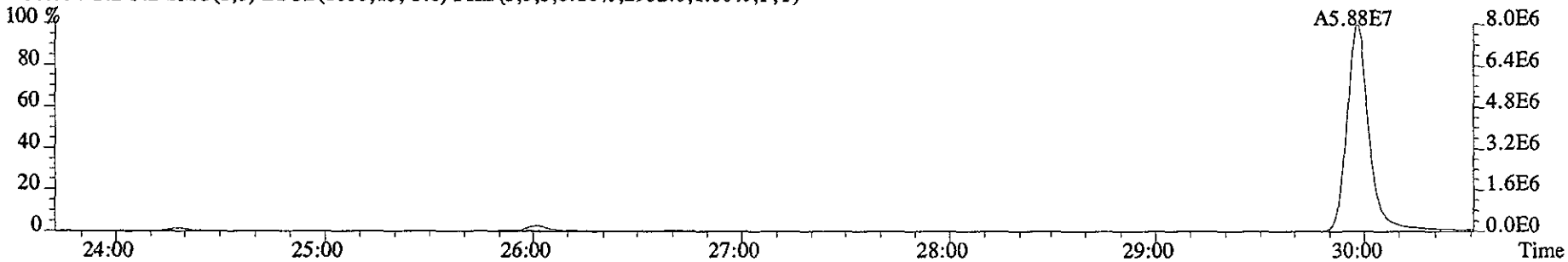




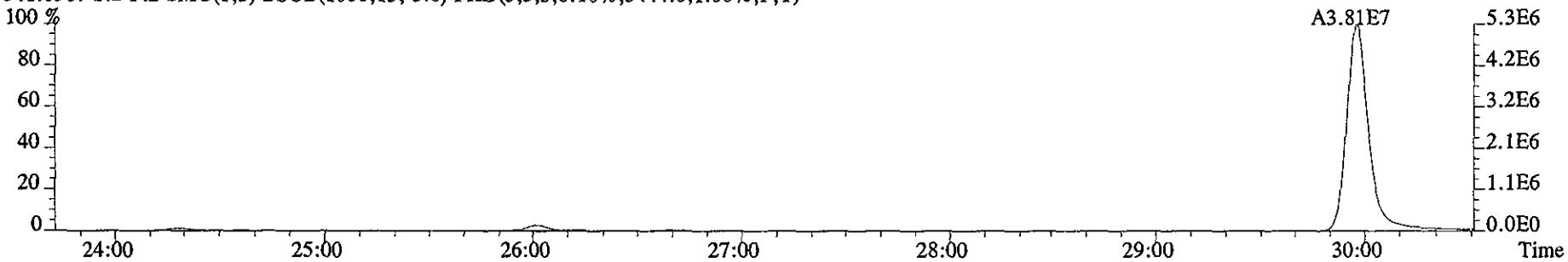


File:13MY104D5 #1-543 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

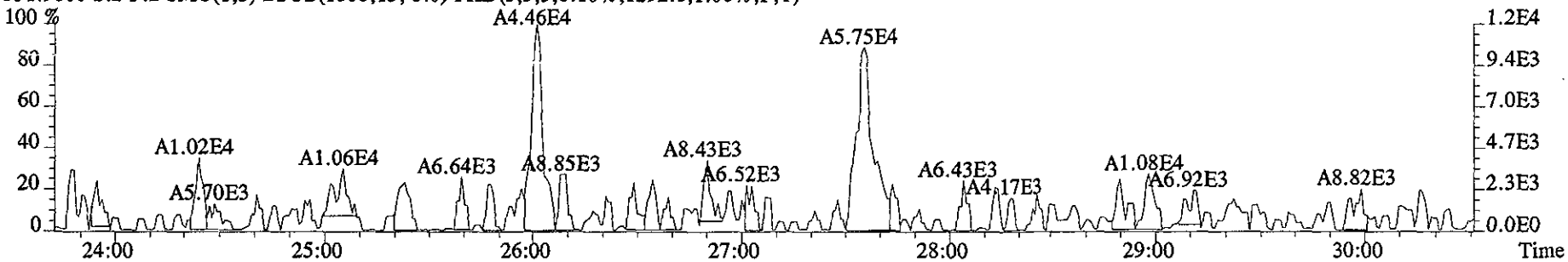
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2952.0,1.00%,F,T)



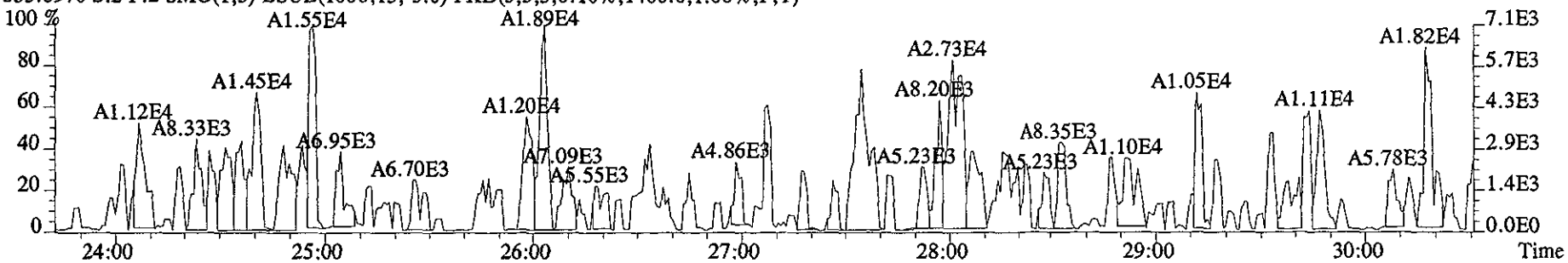
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3444.0,1.00%,F,T)



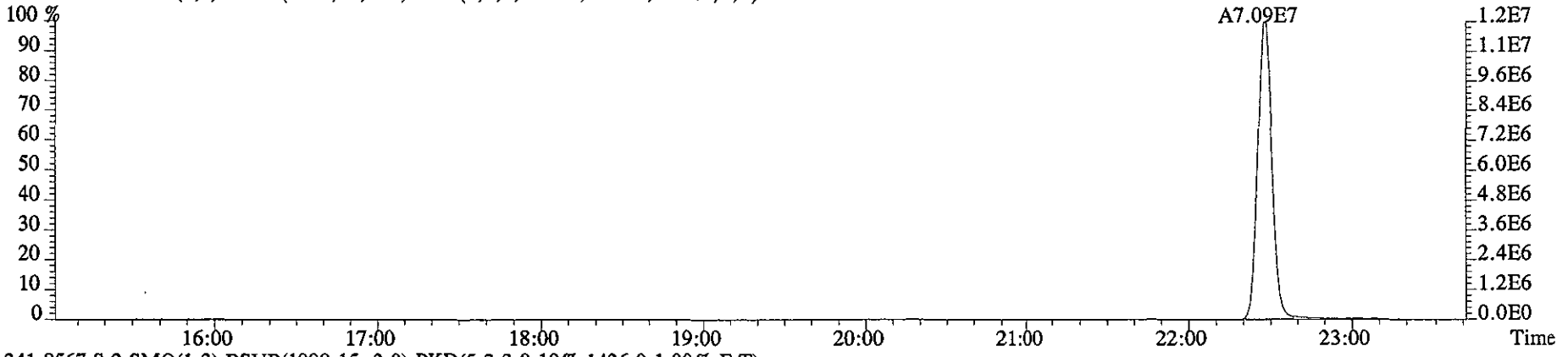
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1292.0,1.00%,F,T)



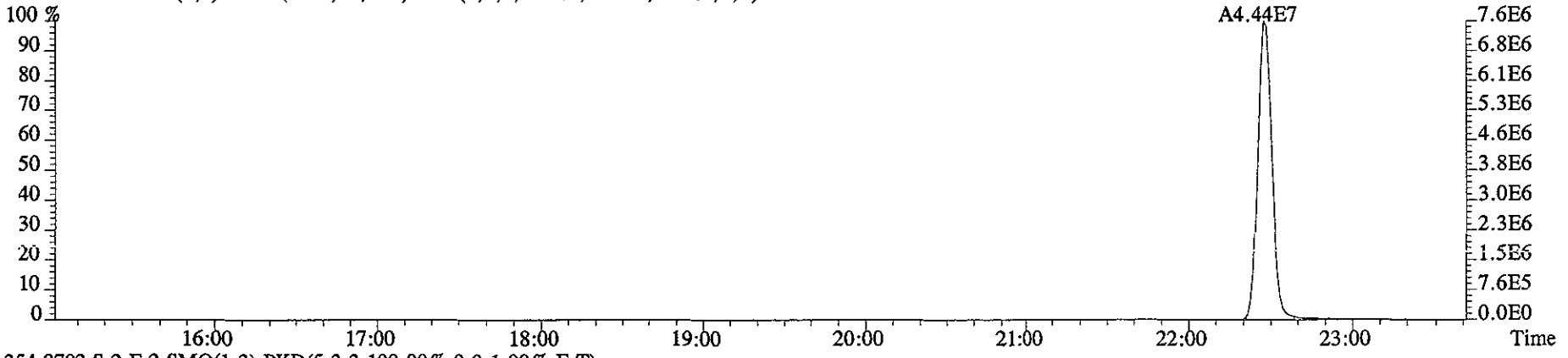
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1400.0,1.00%,F,T)



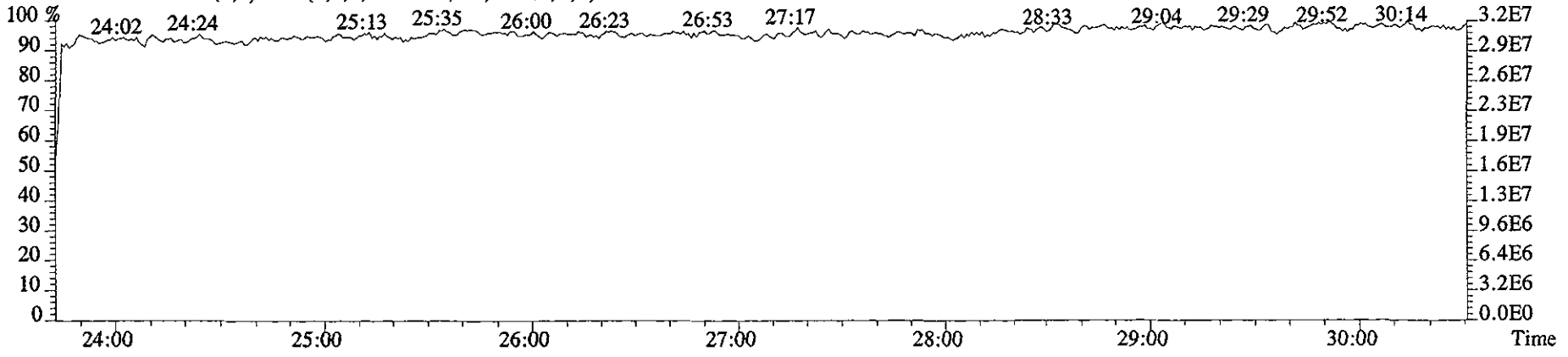
File:13MY104D5 #1-523 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308.0,1.00%,F,T)



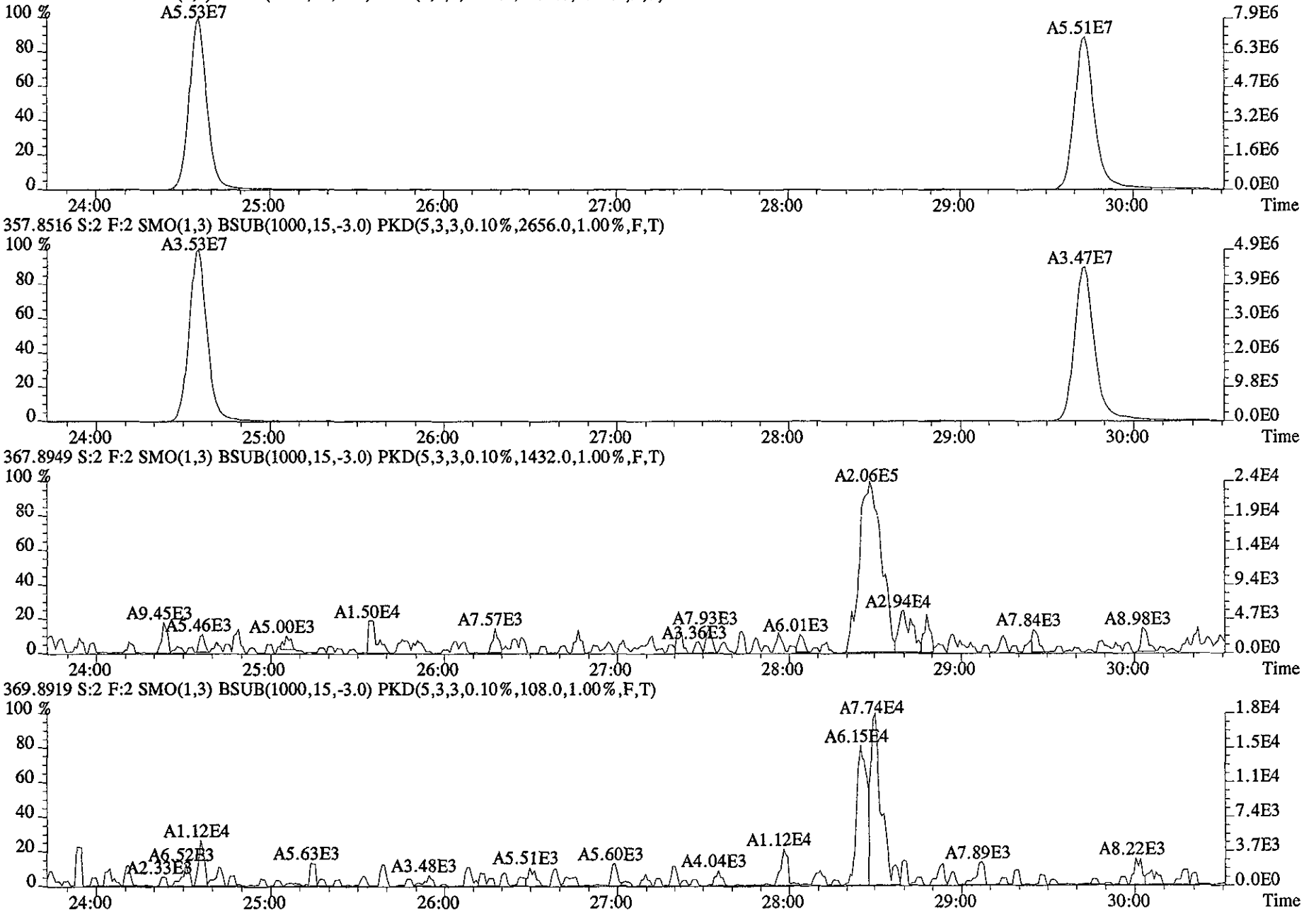
341.8567 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)



354.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

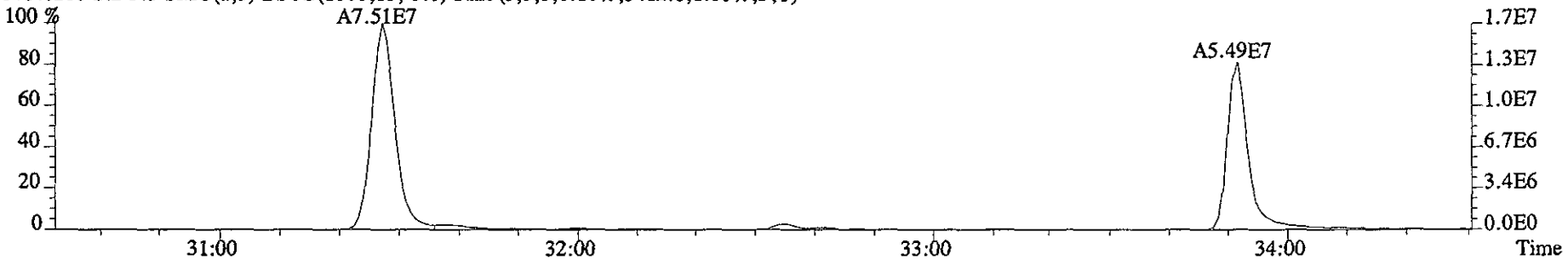


File:13MY104D5 #1-543 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

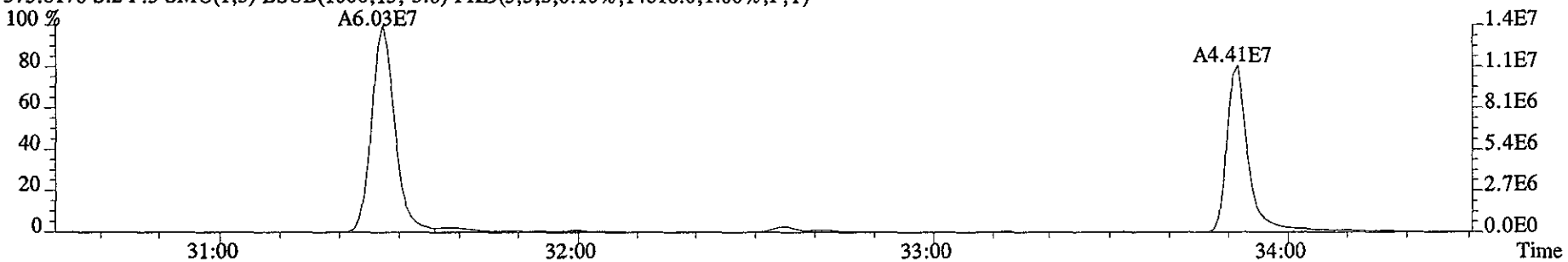


File:13MY104D5 #1-301 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

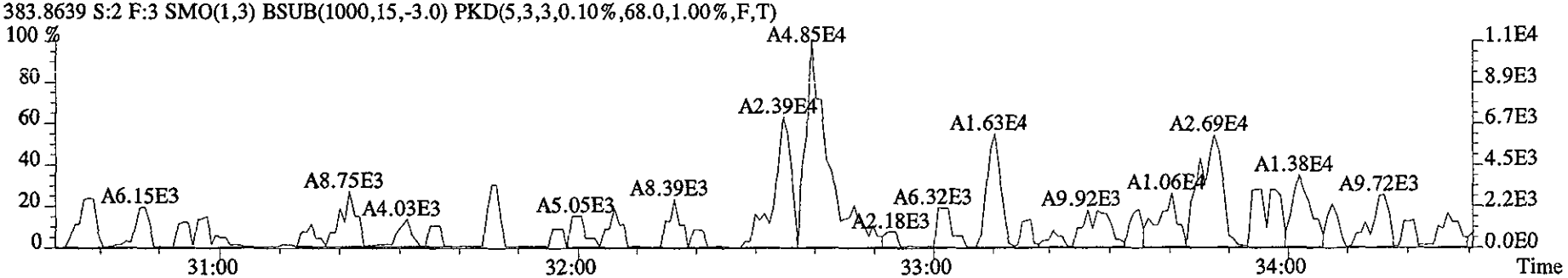
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3412.0,1.00%,F,T)



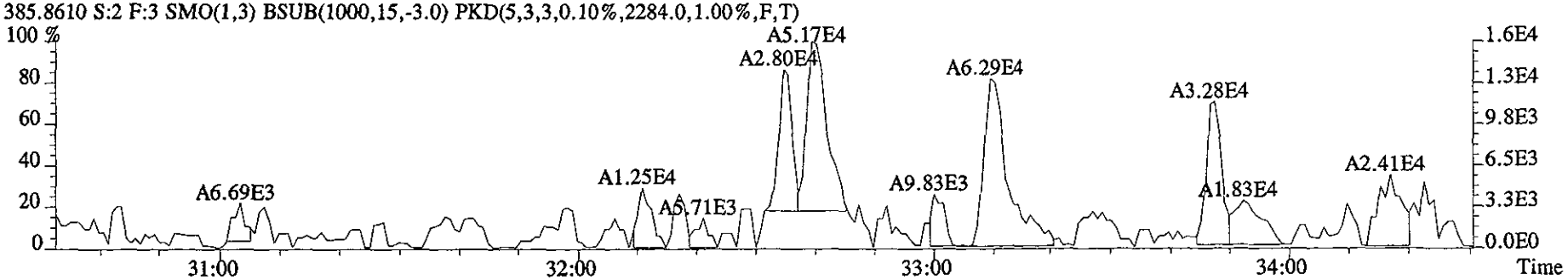
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14816.0,1.00%,F,T)



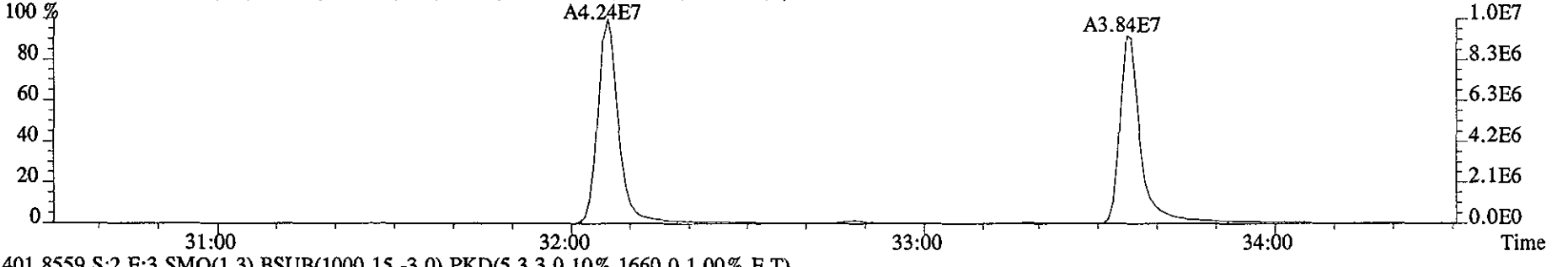
383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)

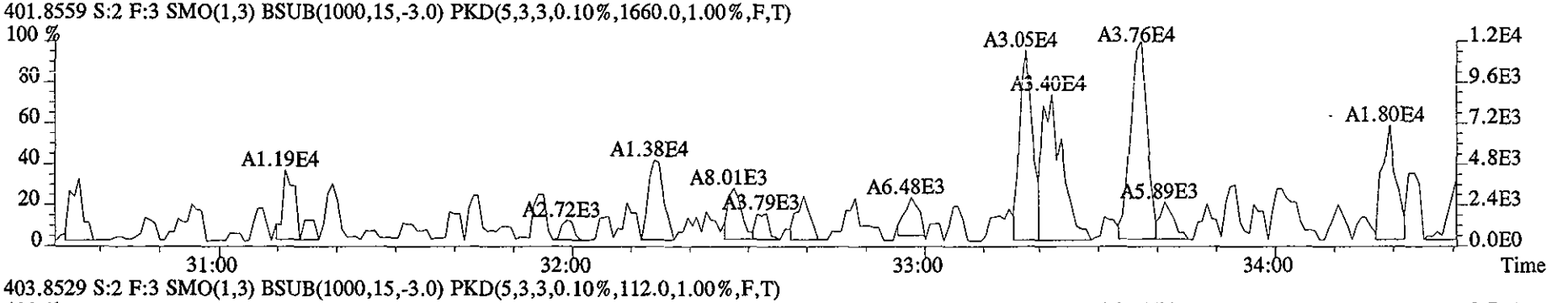


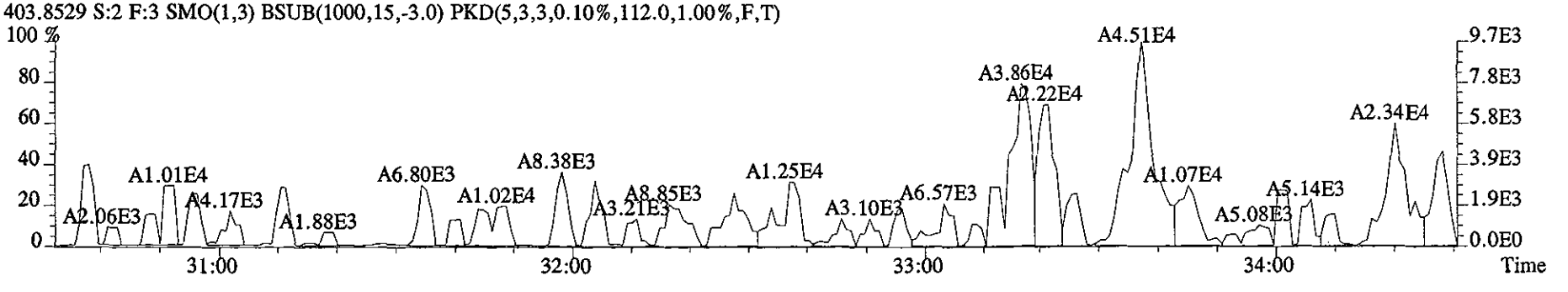
385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)



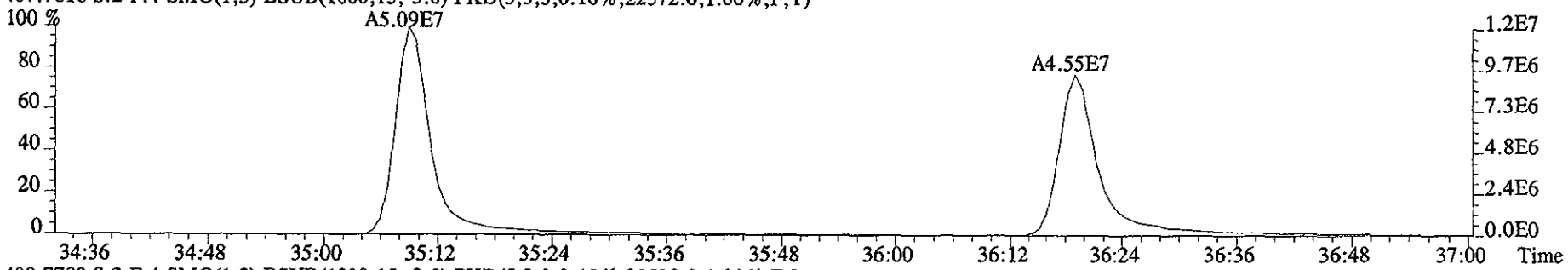
File:13MY104D5 #1-301 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

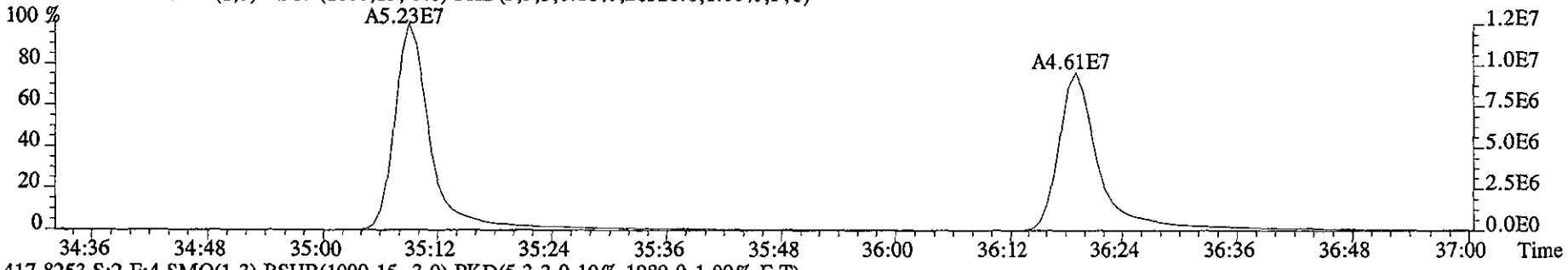


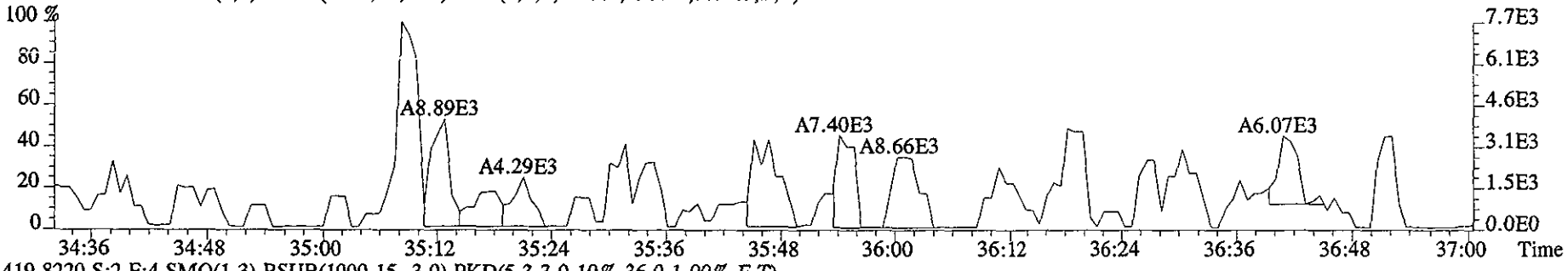


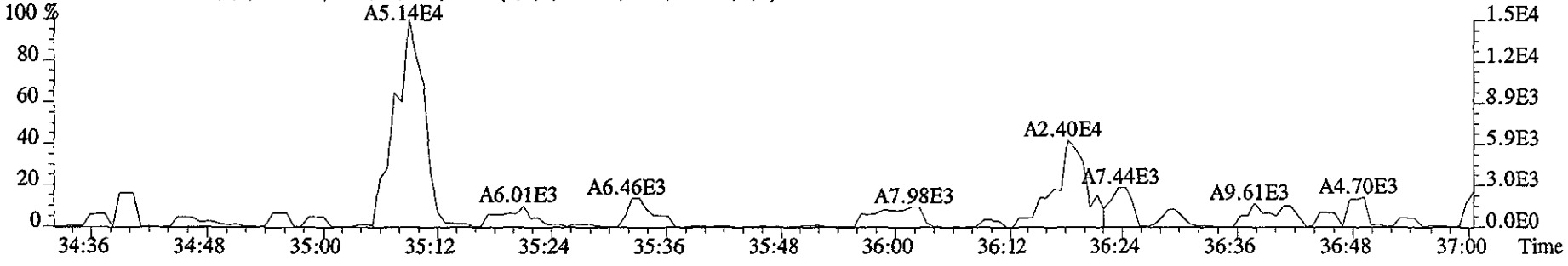


File:13MY104D5 #1-198 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

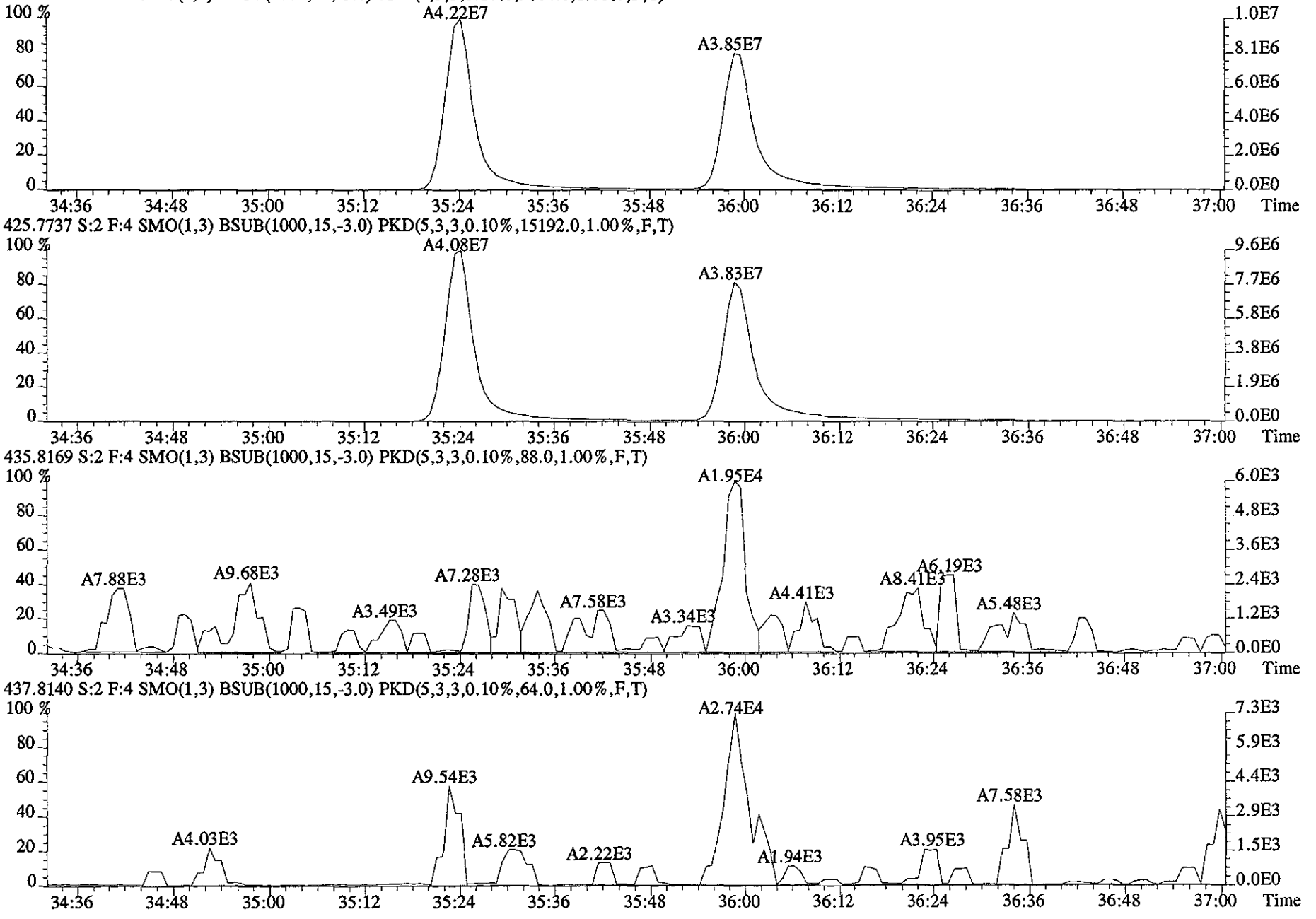




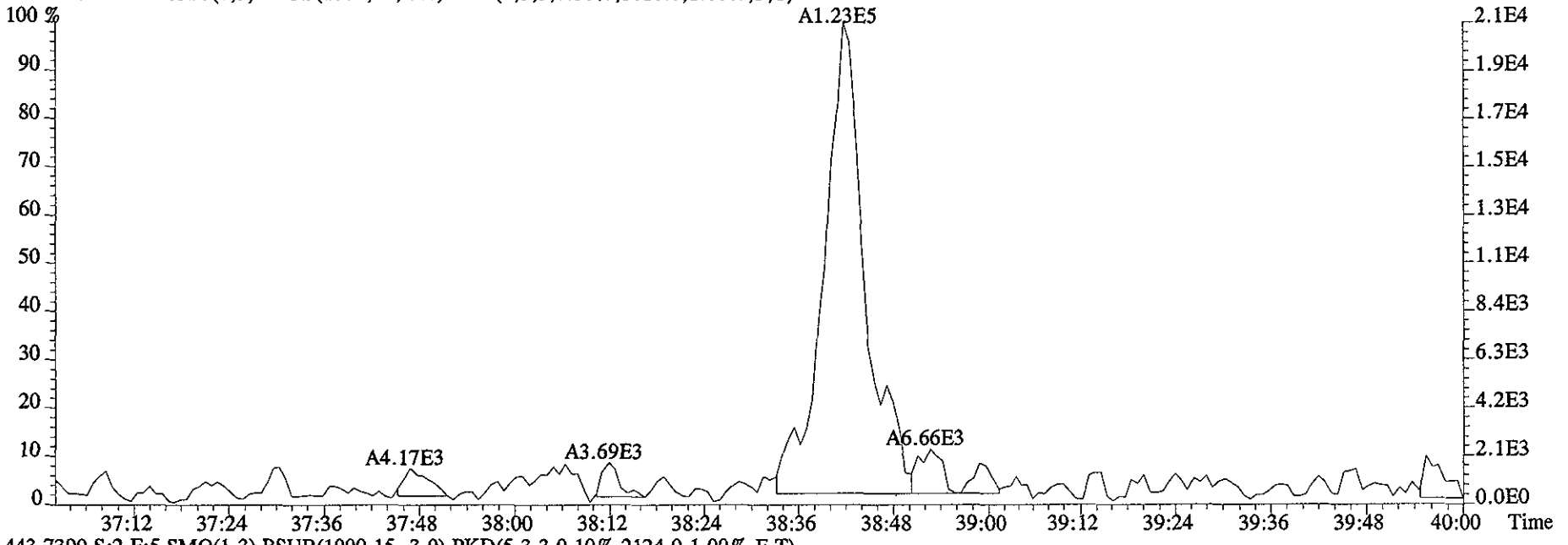




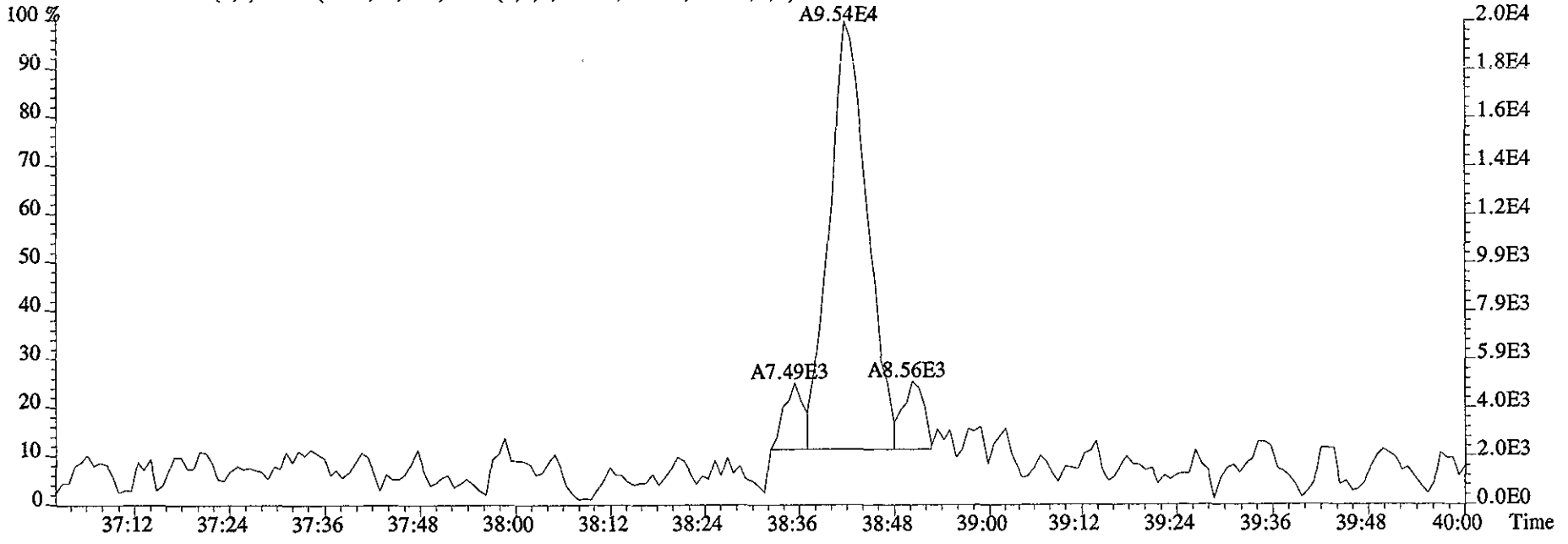
File:13MY104D5 #1-198 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



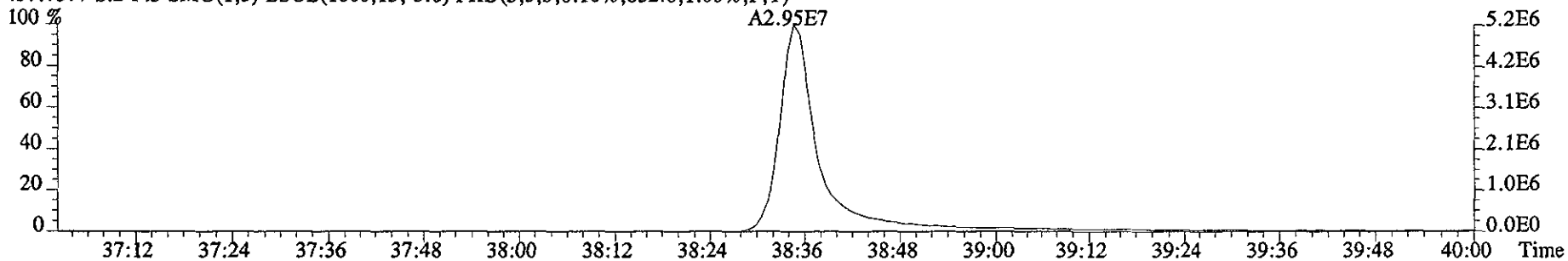
File:13MY104D5 #1-228 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1016.0,1.00%,F,T)

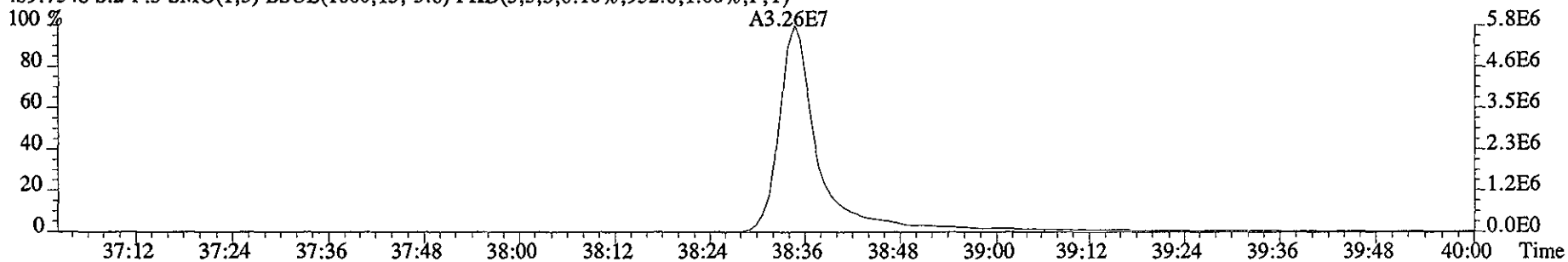


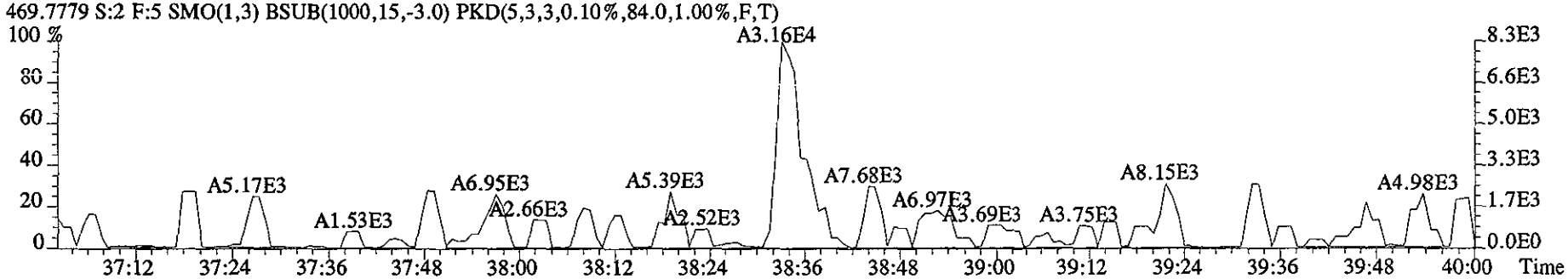
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2124.0,1.00%,F,T)

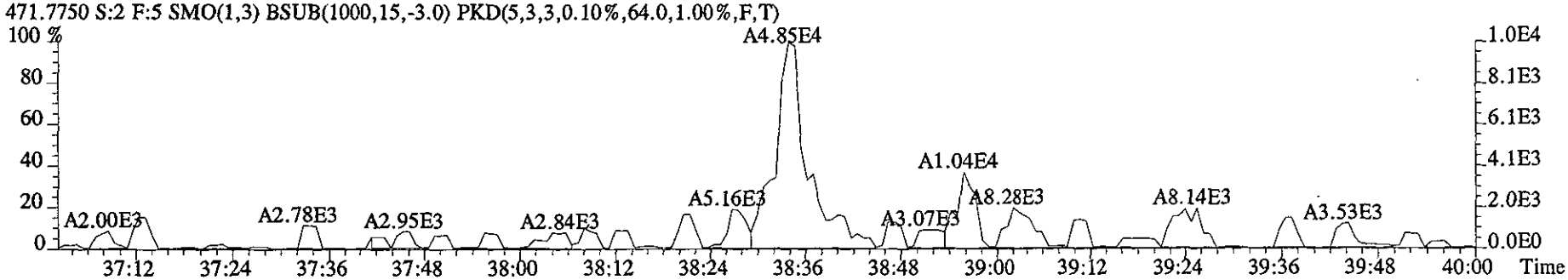


File:13MY104D5 #1-228 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



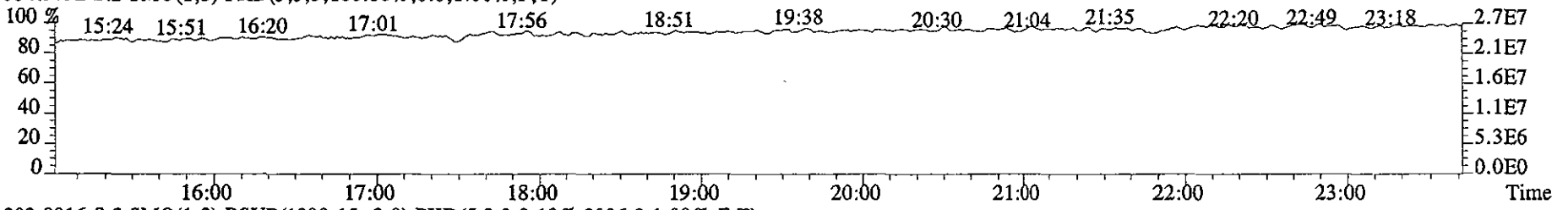




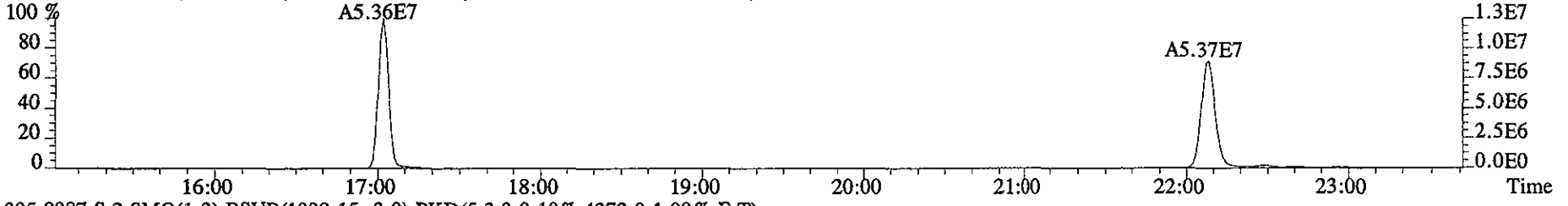


File:13MY104D5 #1-523 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

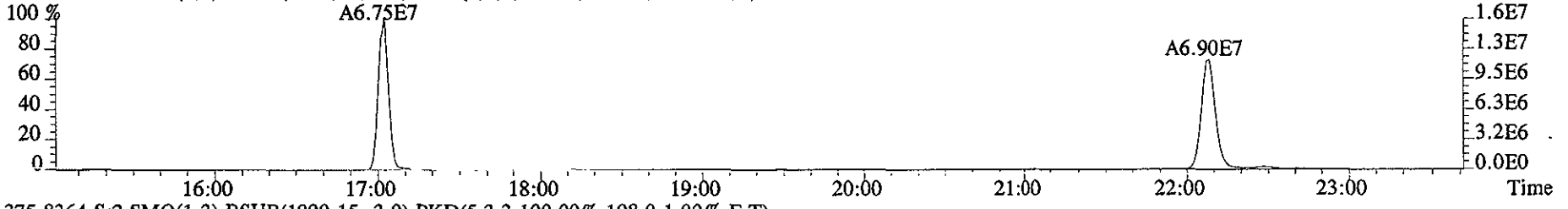
354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



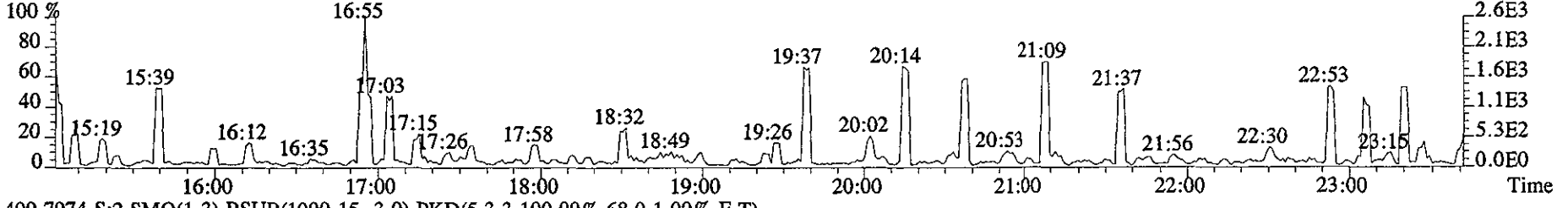
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



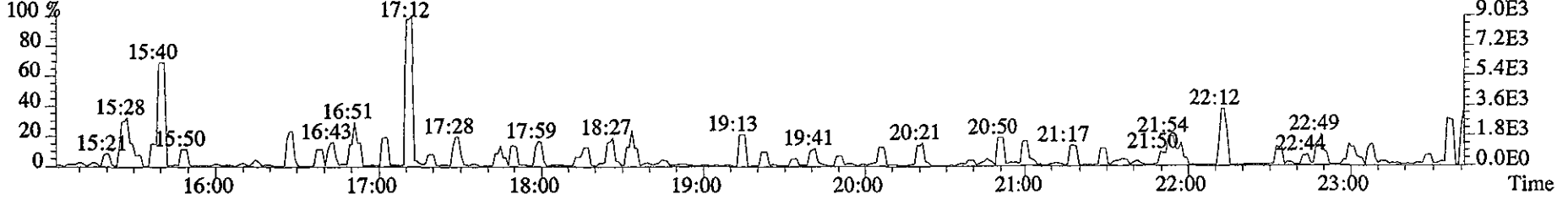
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4272.0,1.00%,F,T)



375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)

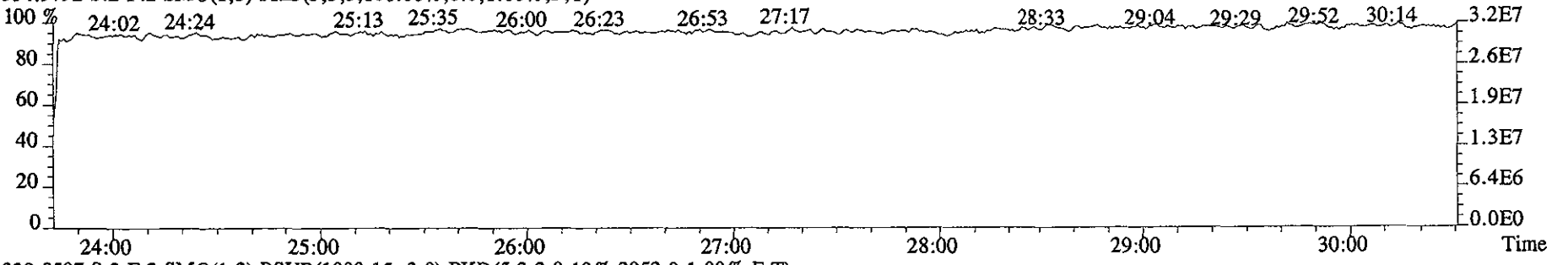


409.7974 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,68.0,1.00%,F,T)

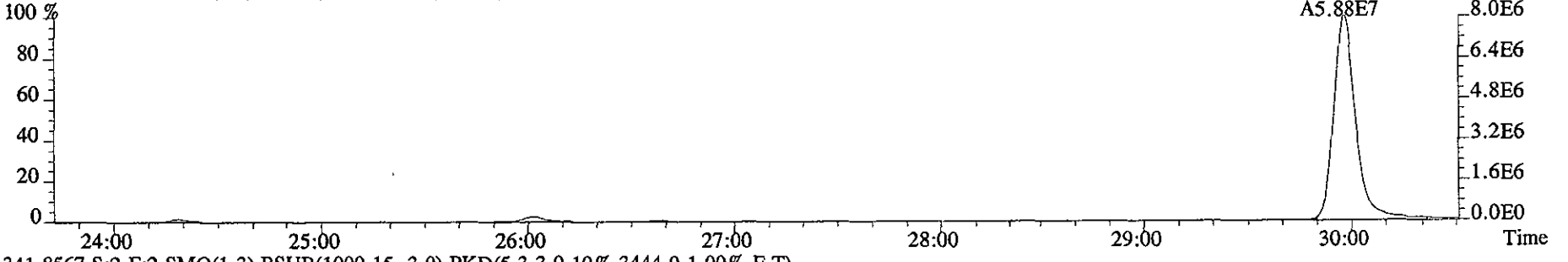


File:13MY104D5 #1-543 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

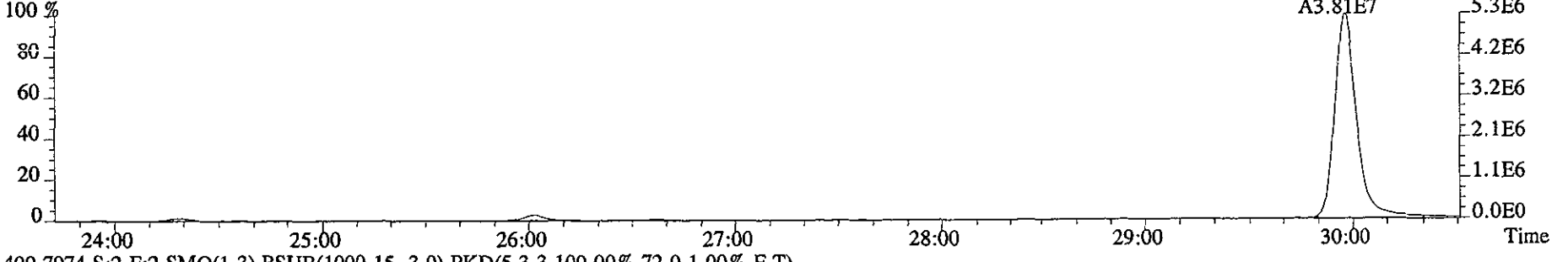
354.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



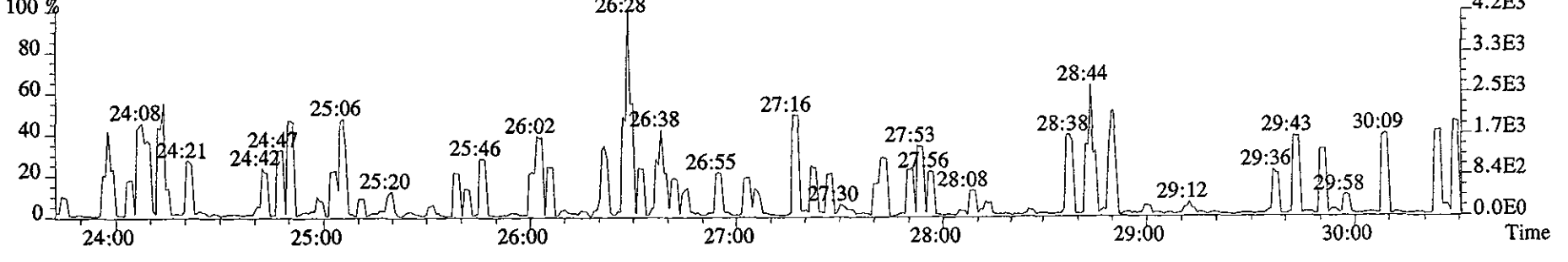
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2952.0,1.00%,F,T)



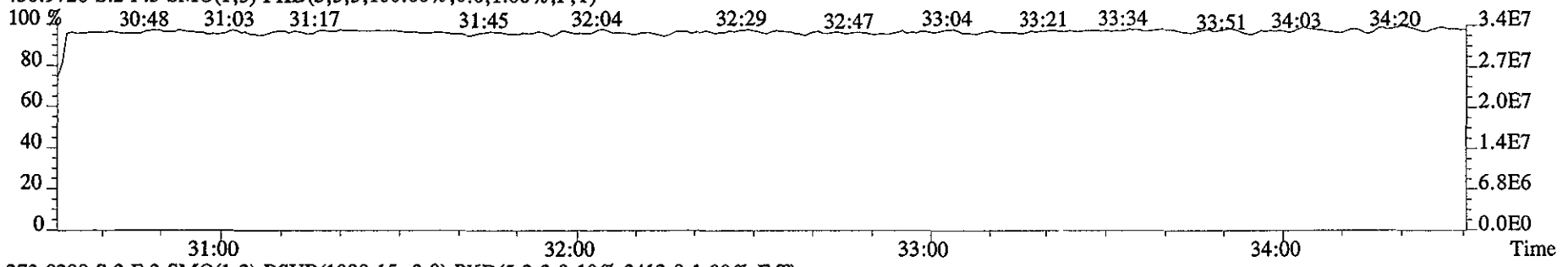
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3444.0,1.00%,F,T)

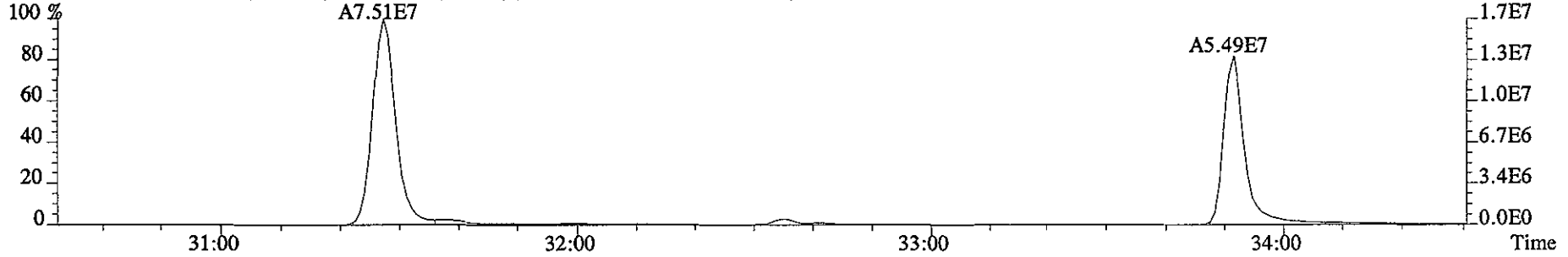


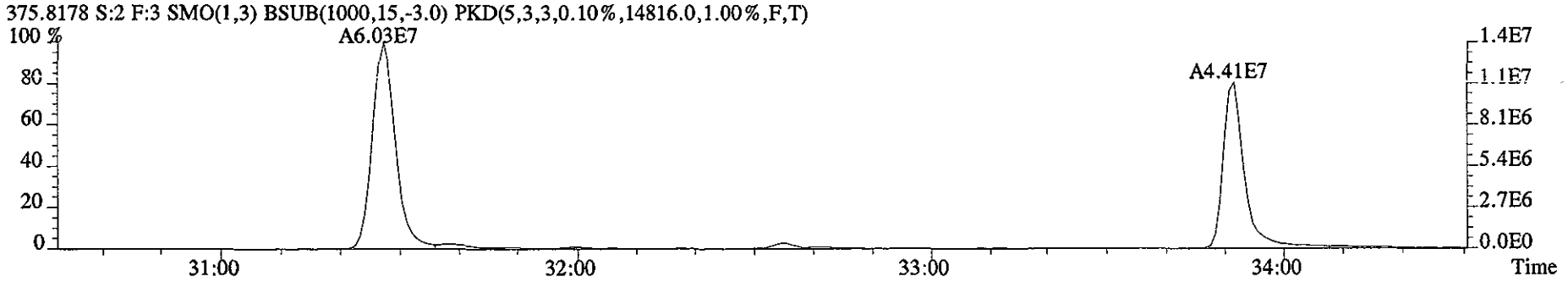
409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)

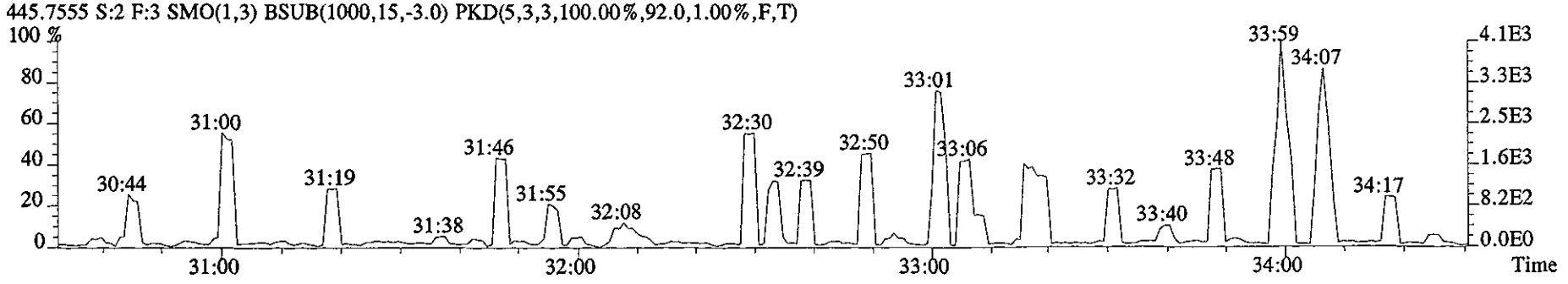


File:13MY104D5 #1-301 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

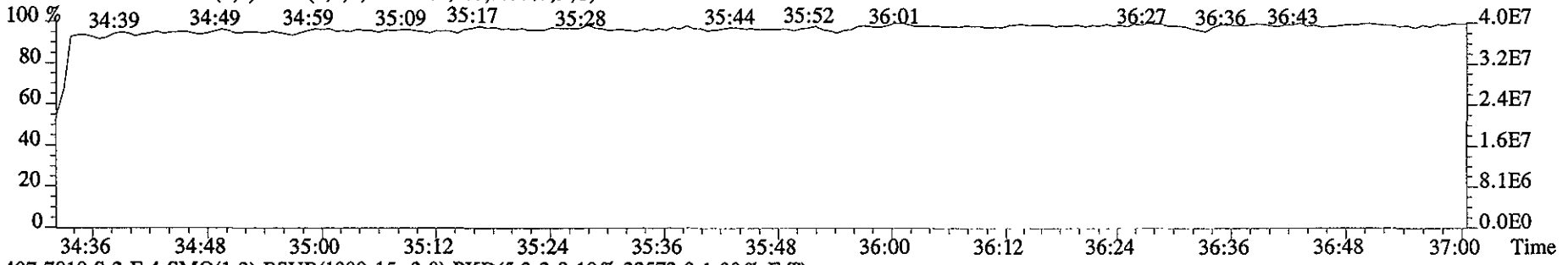


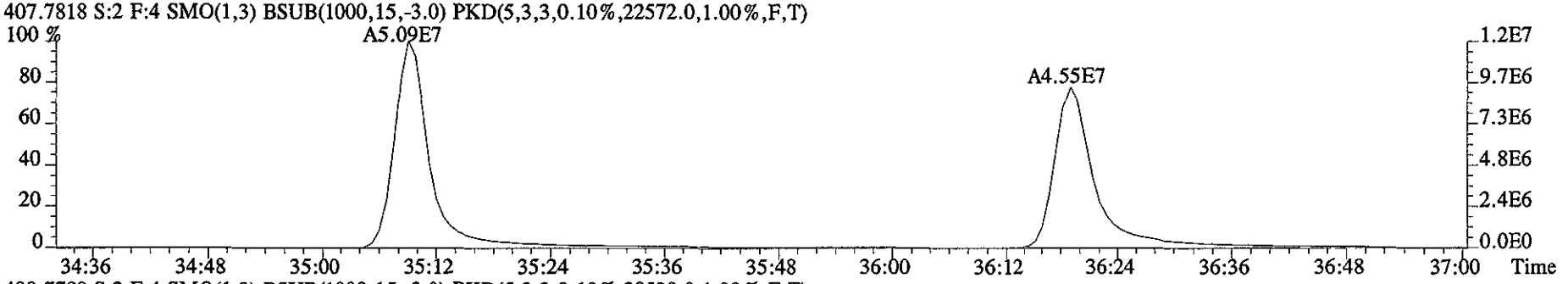


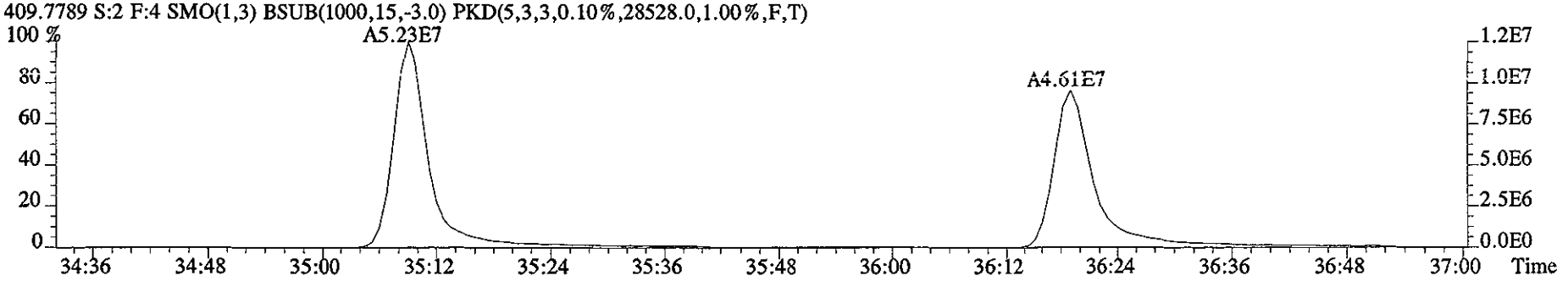


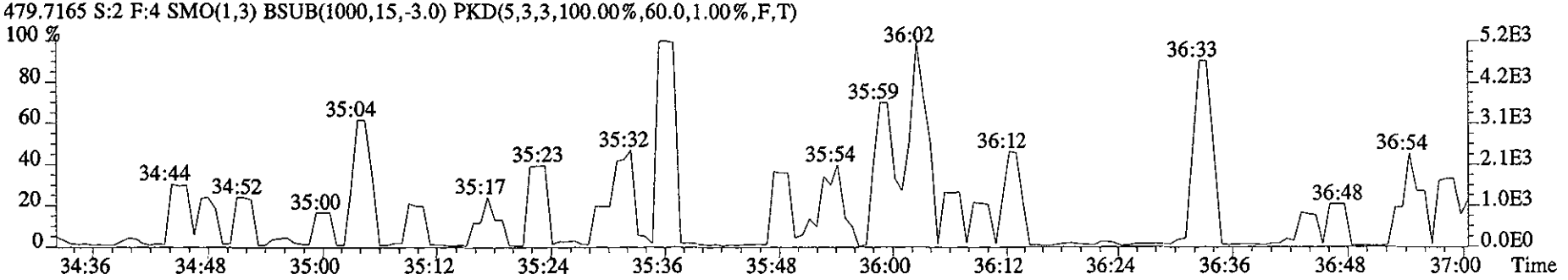


File:13MY104D5 #1-198 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

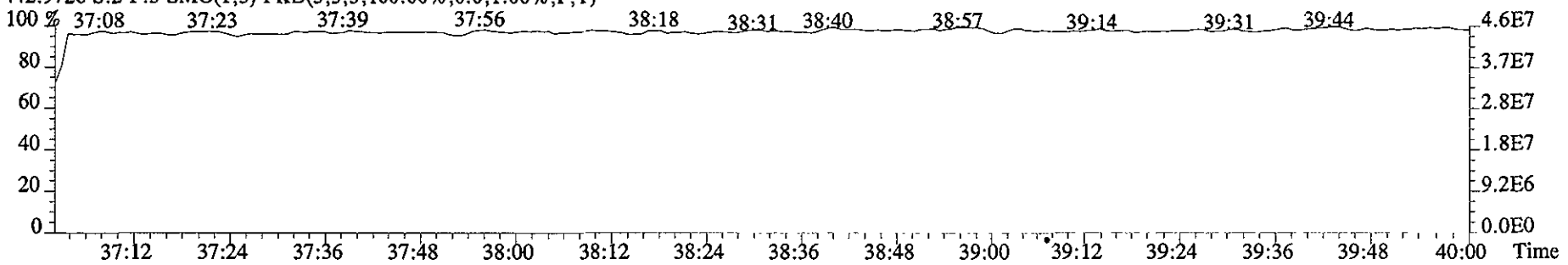


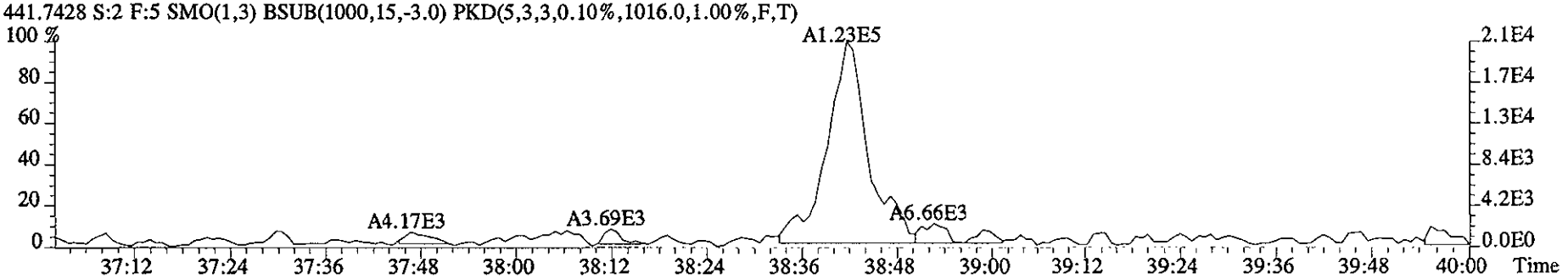


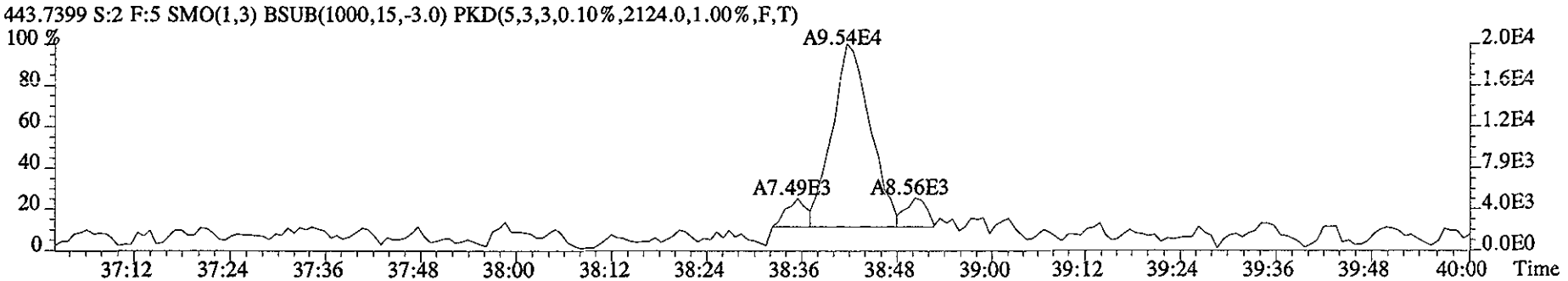


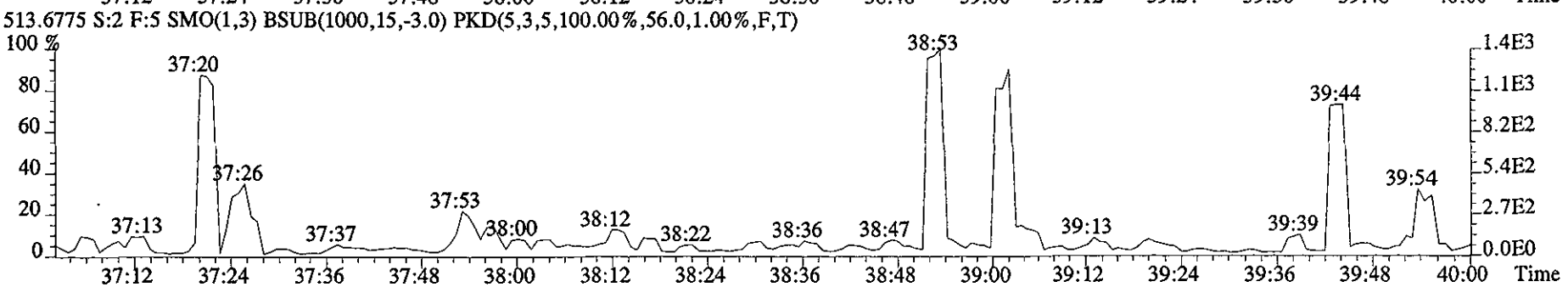


File:13MY104D5 #1-228 Acq:13-MAY-2010 11:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0513 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

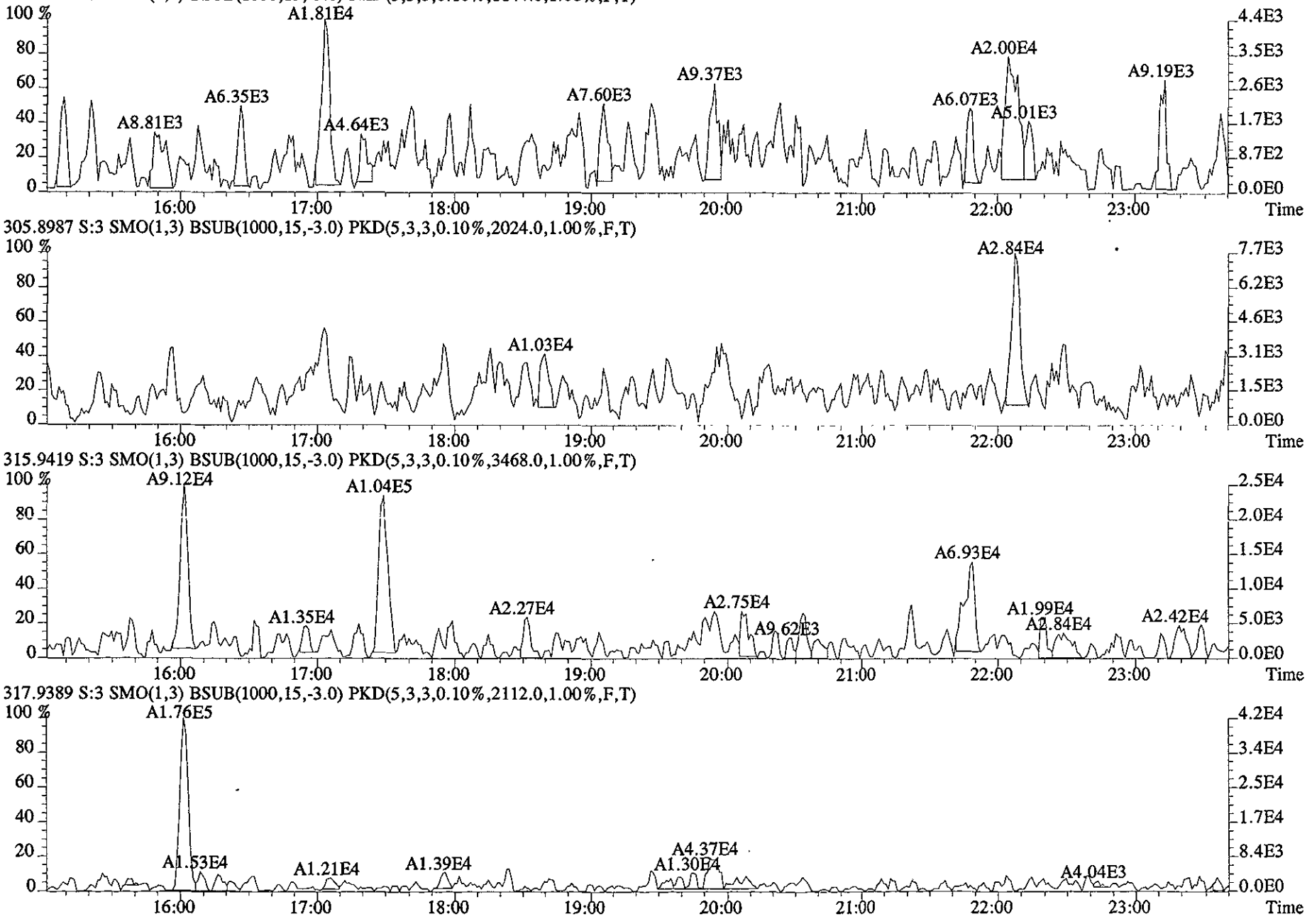




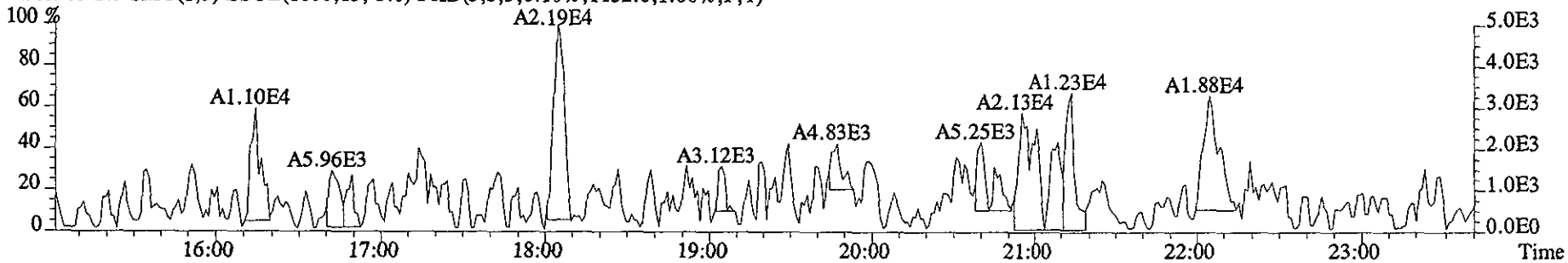


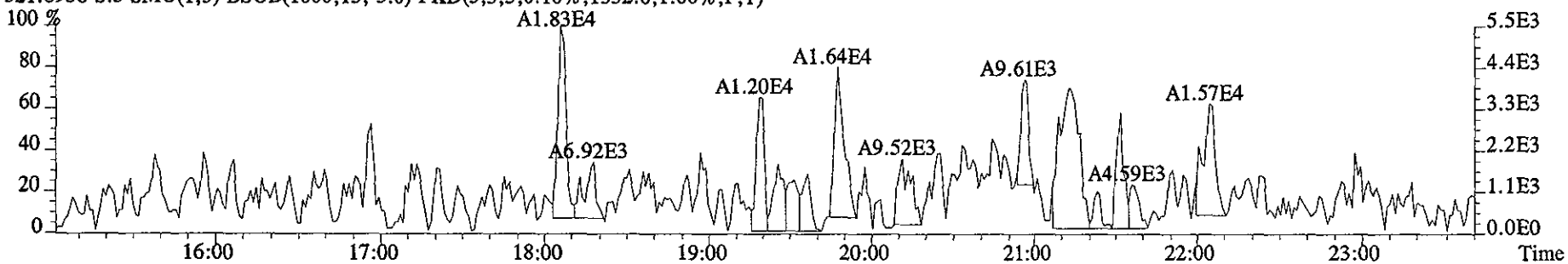


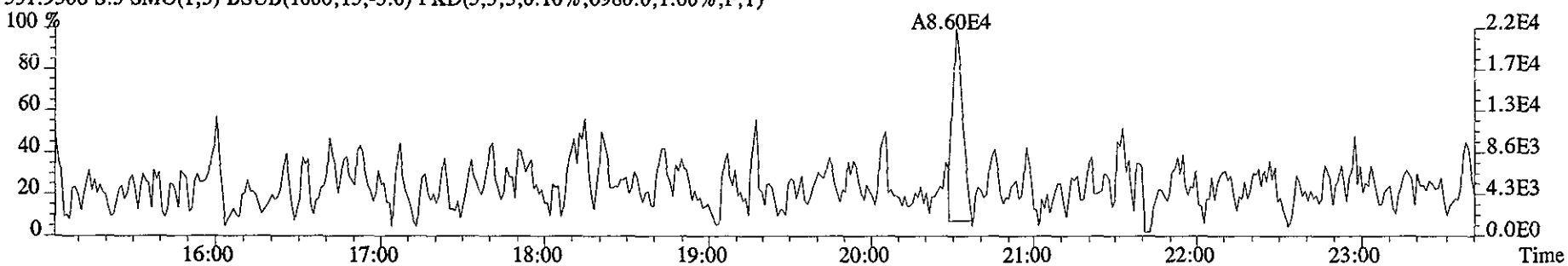
File:13MY104D5 #1-522 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

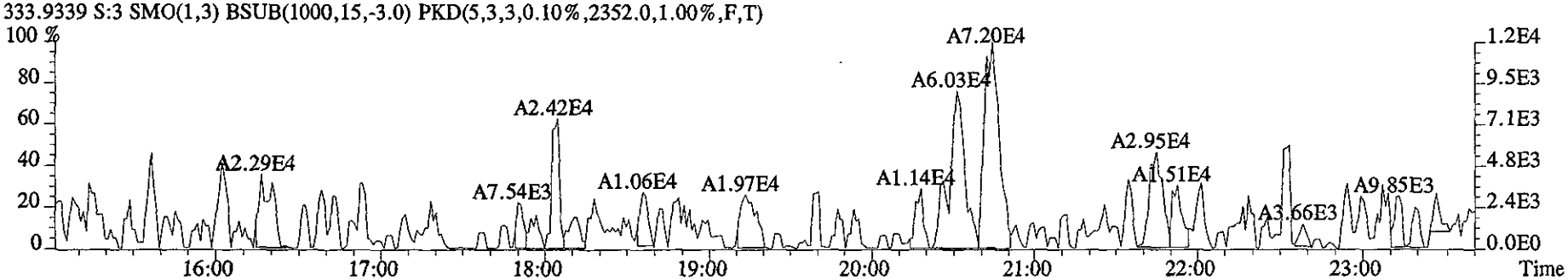


File:13MY104D5 #1-522 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

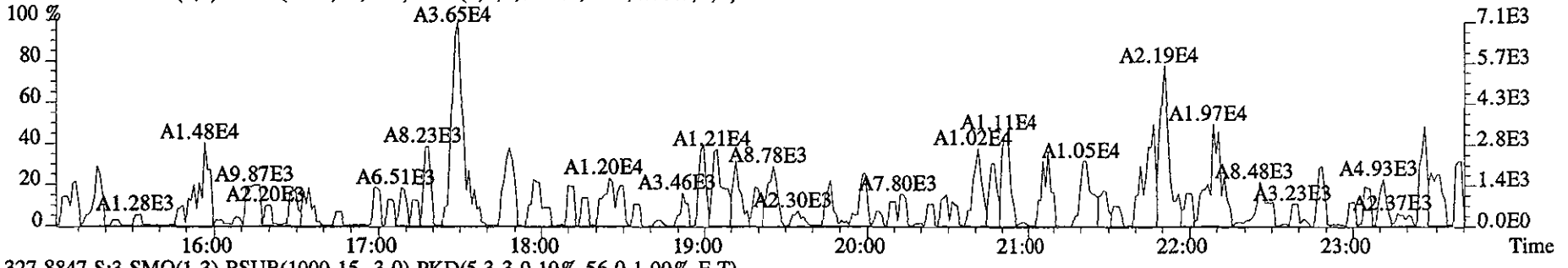


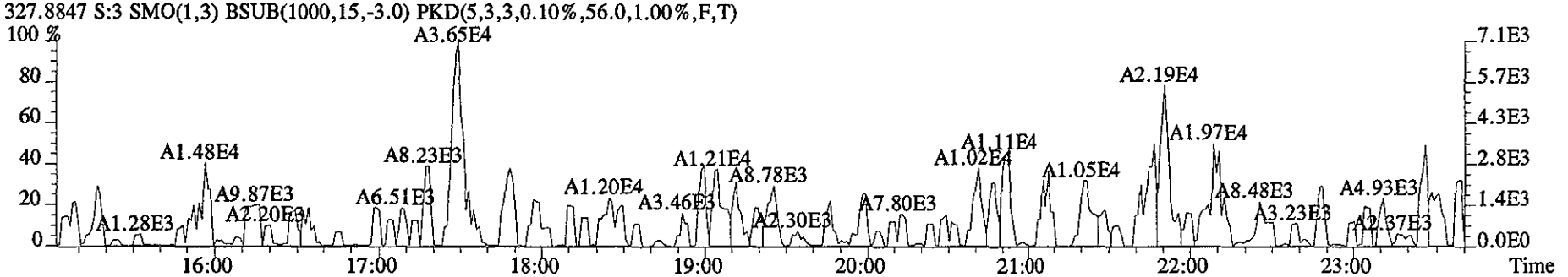


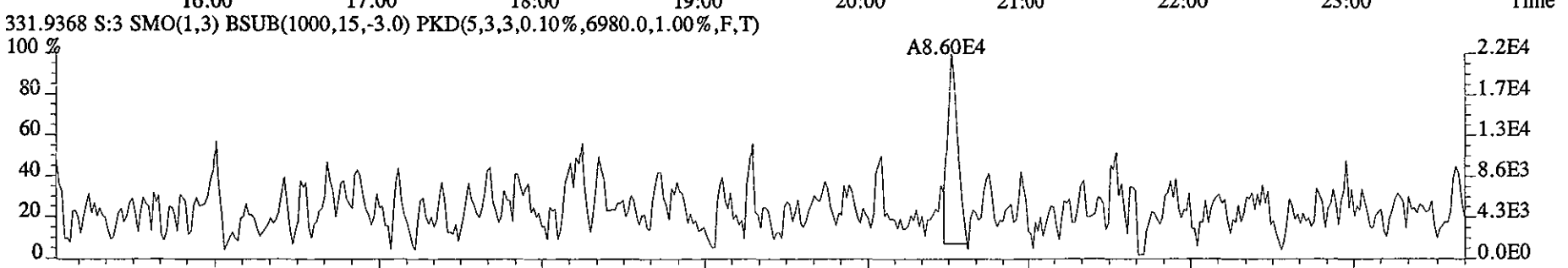


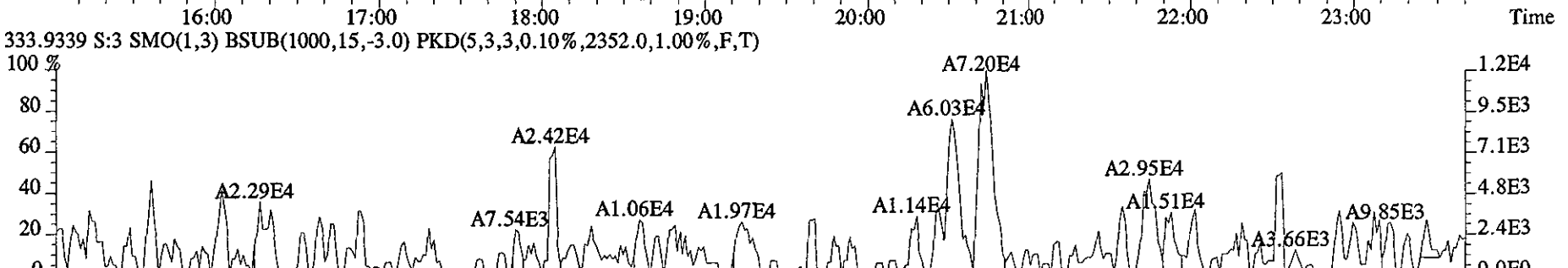


File:13MY104D5 #1-522 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A



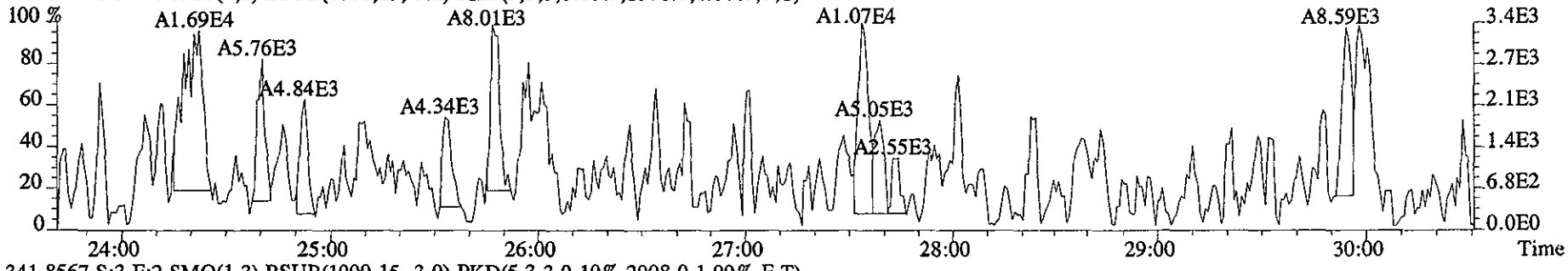




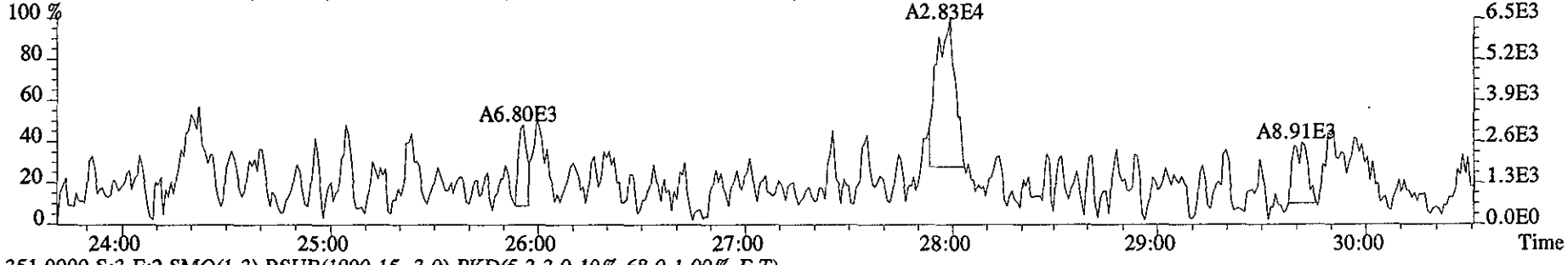


File:13MY104D5 #1-544 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

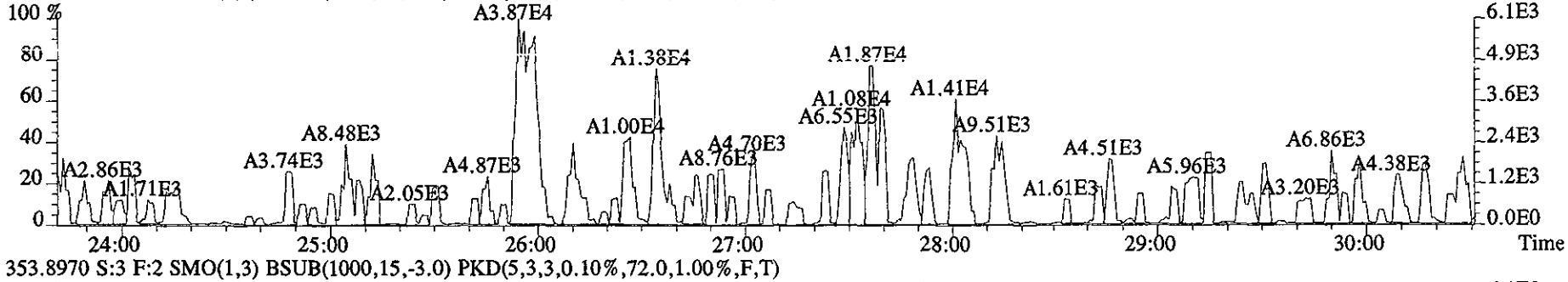
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308.0,1.00%,F,T)



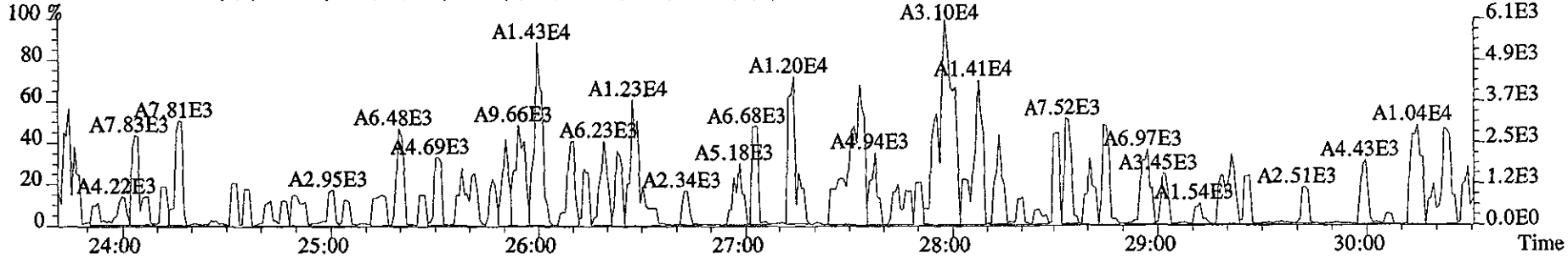
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T)



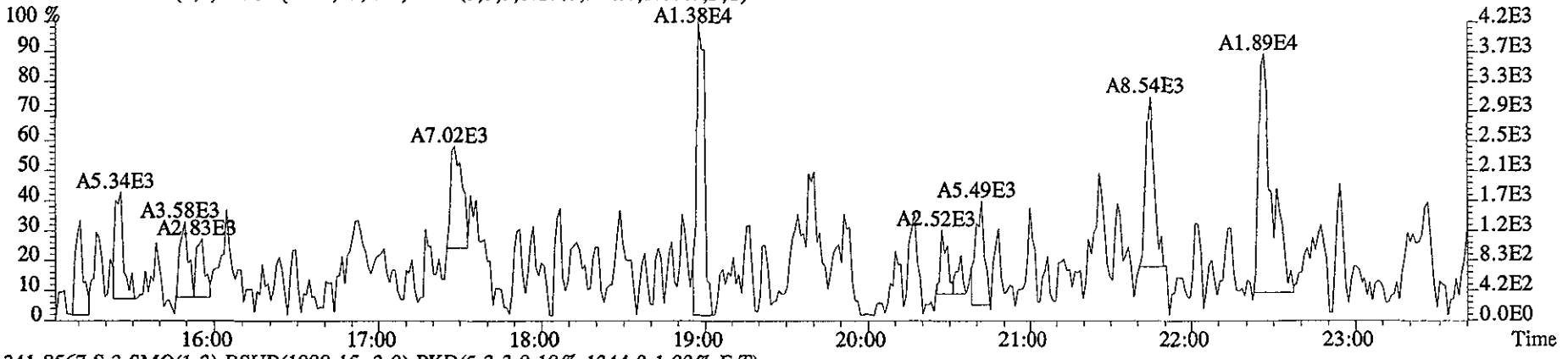
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



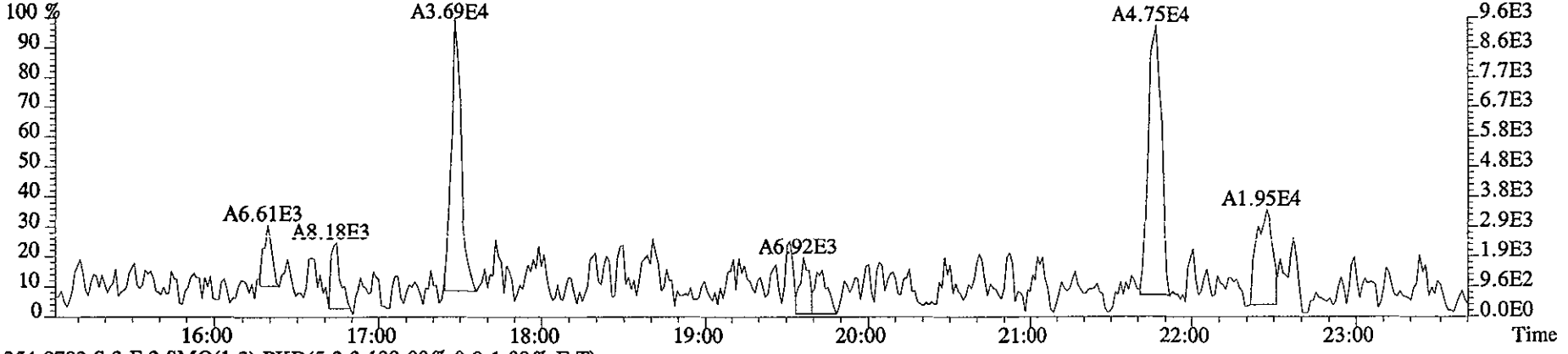
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



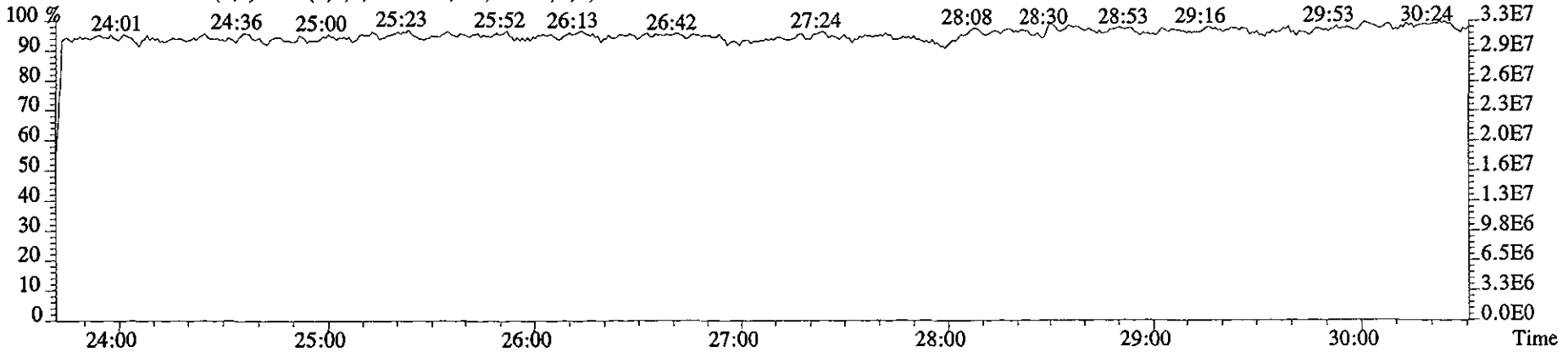
File:13MY104D5 #1-522 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,972.0,1.00%,F,T)



341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1344.0,1.00%,F,T)

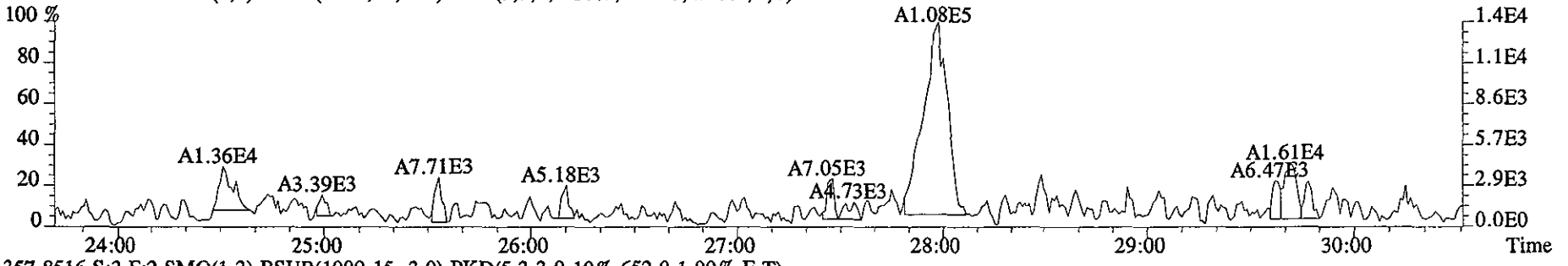


354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

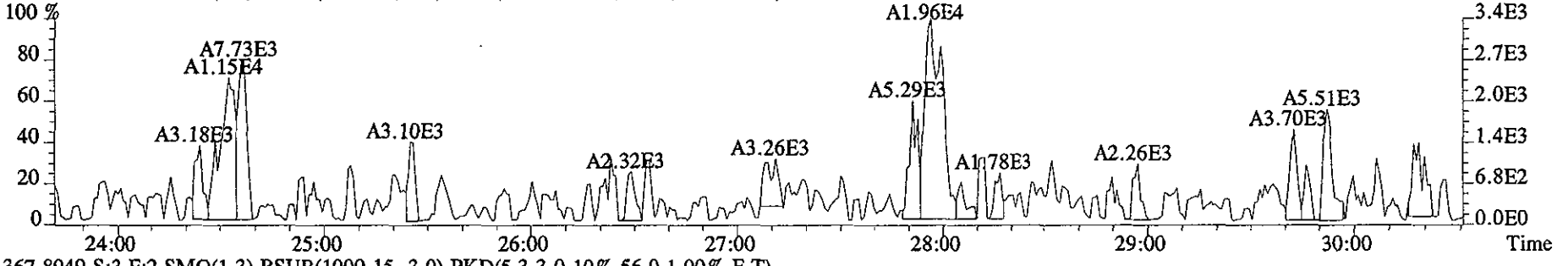


File:13MY104D5 #1-544 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

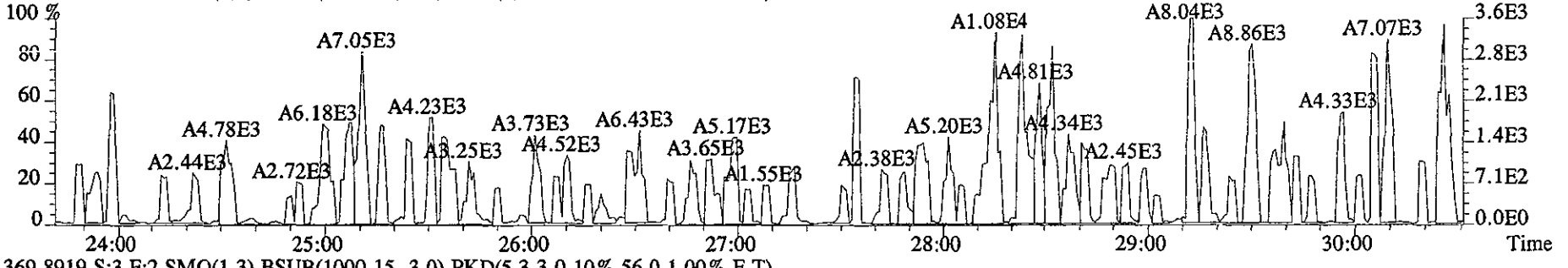
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1672.0,1.00%,F,T)



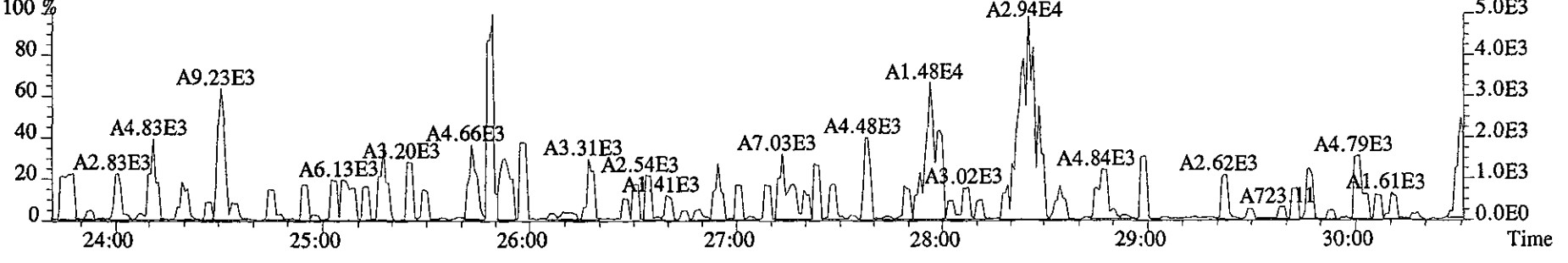
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,652.0,1.00%,F,T)



367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)

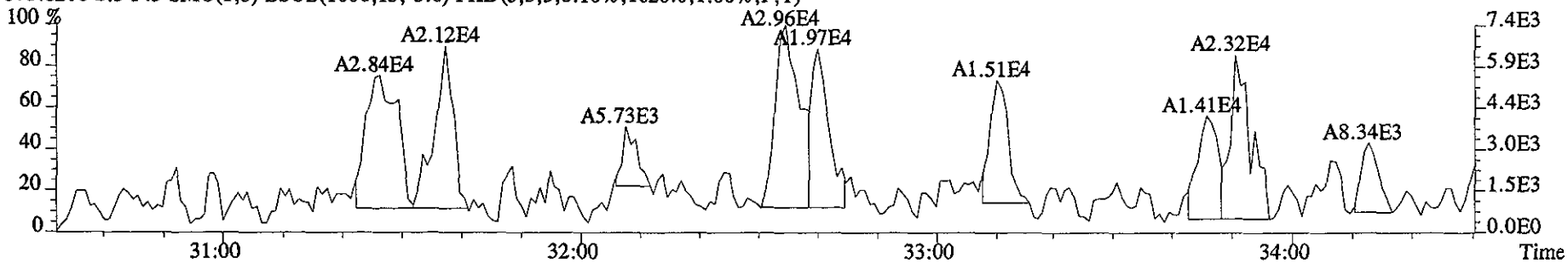


369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)

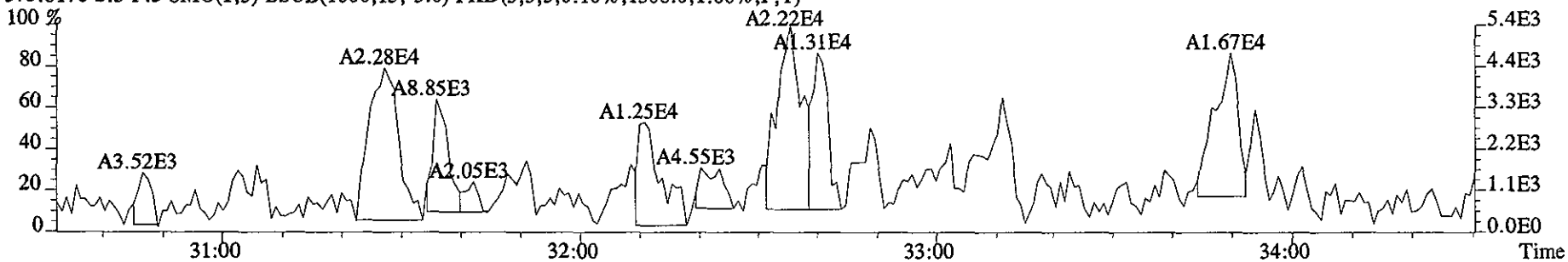


File:13MY104D5 #1-301 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

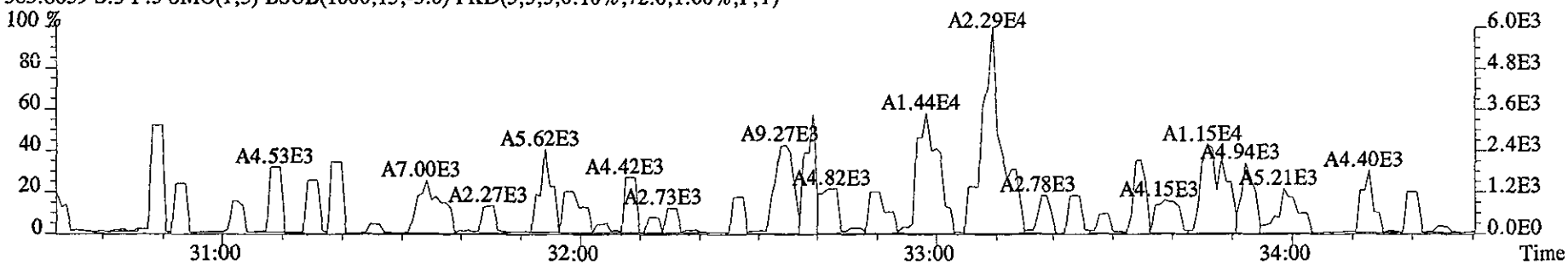
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1620.0,1.00%,F,T)



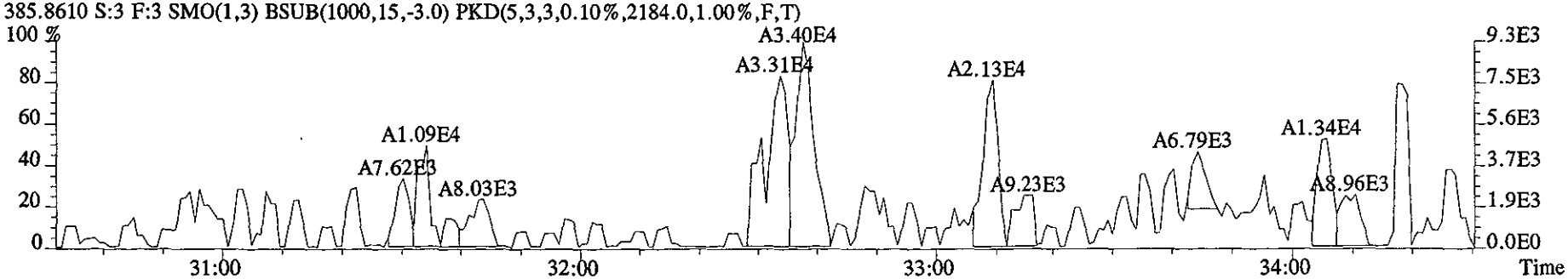
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308.0,1.00%,F,T)



383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

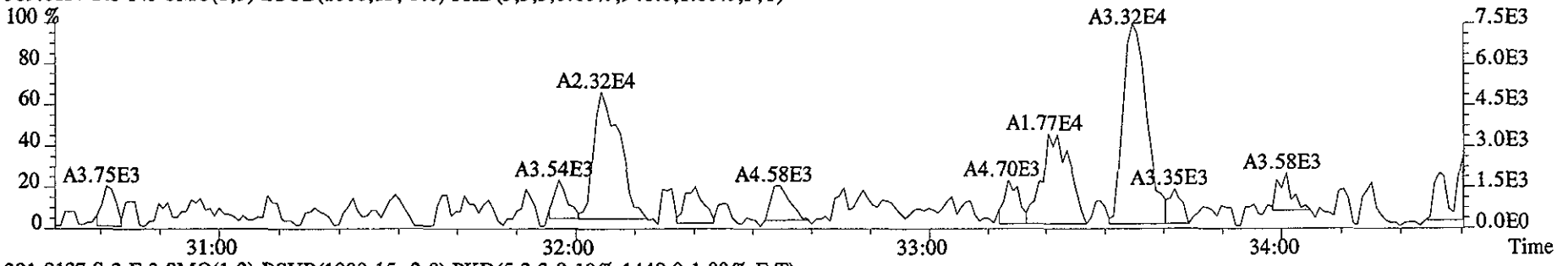


385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)

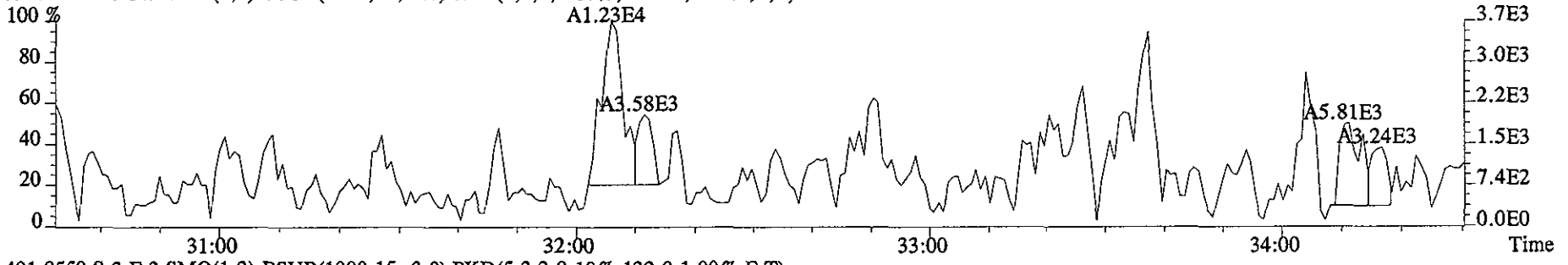


File:13MY104D5 #1-301 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

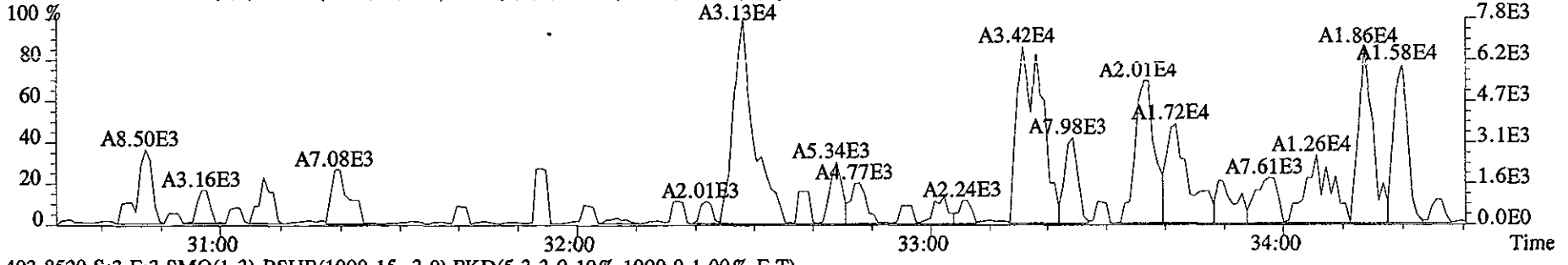
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,948.0,1.00%,F,T)



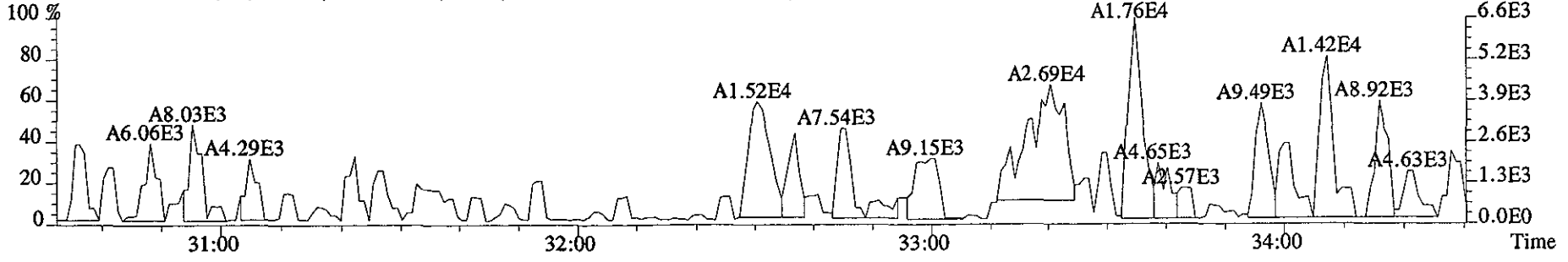
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448.0,1.00%,F,T)



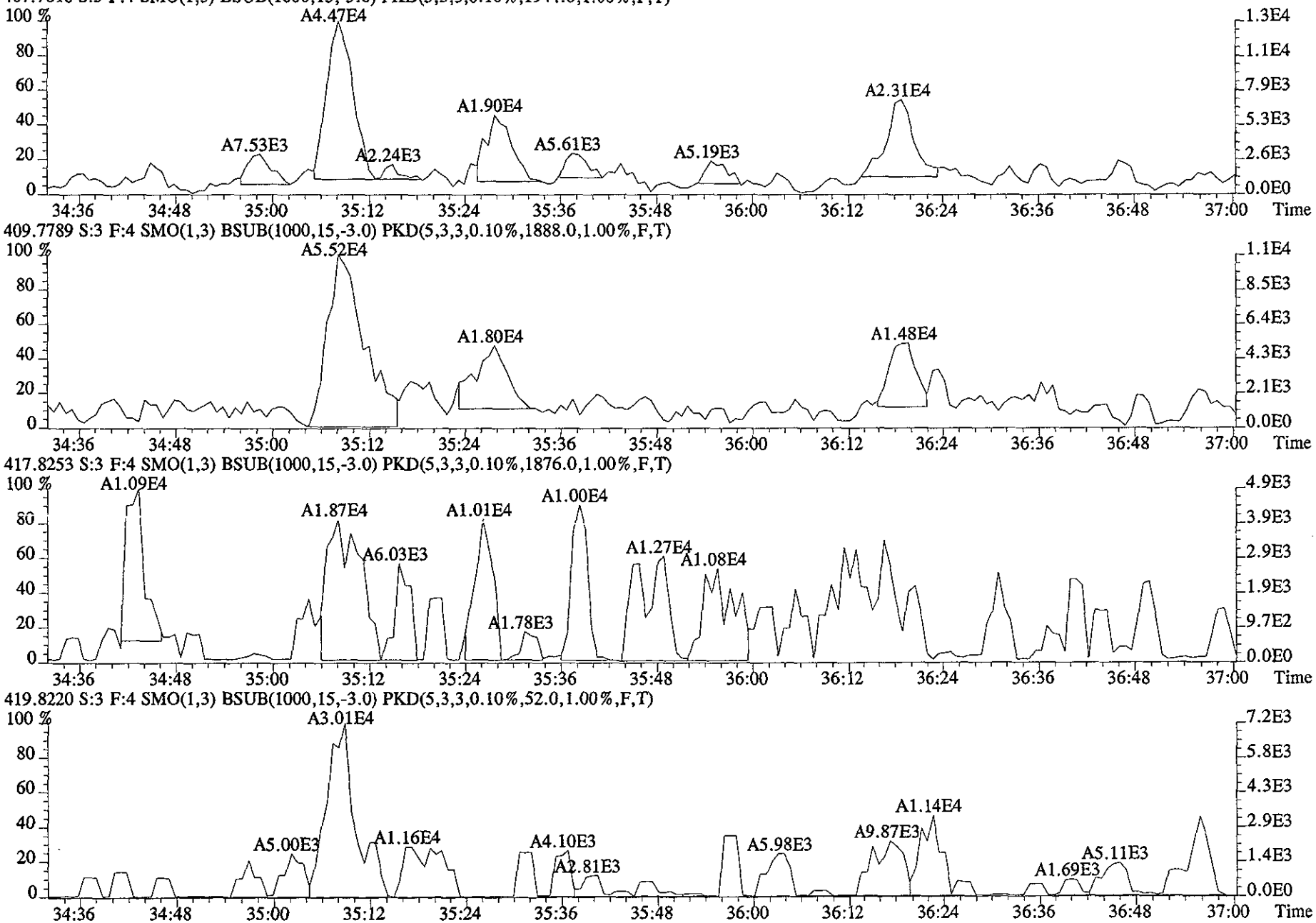
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1000.0,1.00%,F,T)

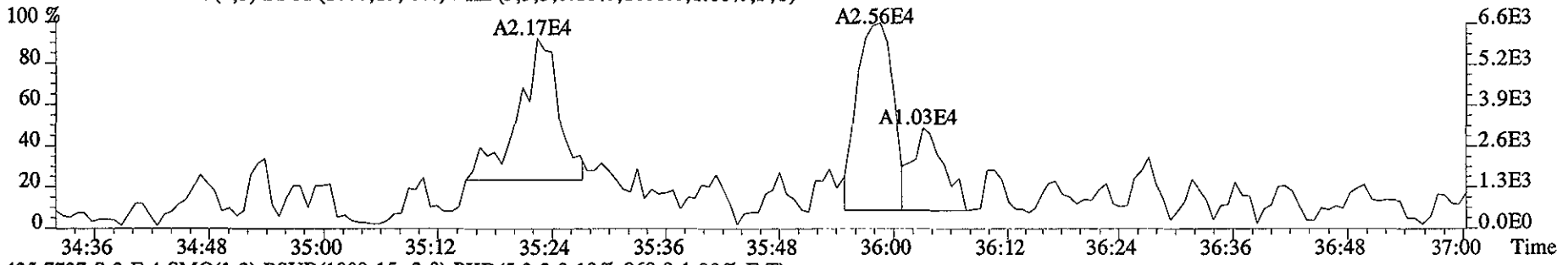


File:13MY104D5 #1-198 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

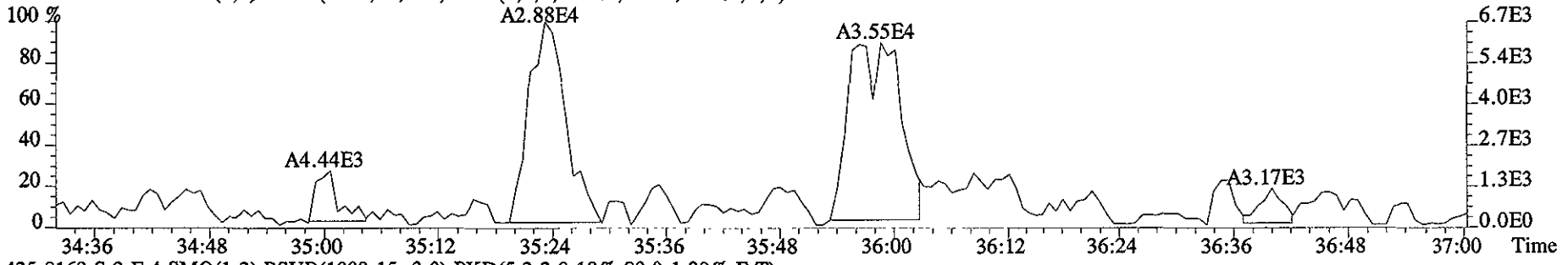


File:13MY104D5 #1-198 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

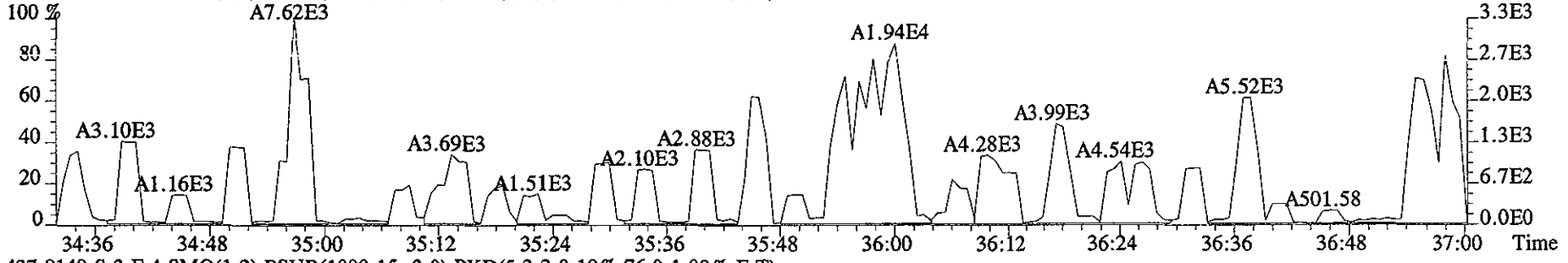
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1608.0,1.00%,F,T)



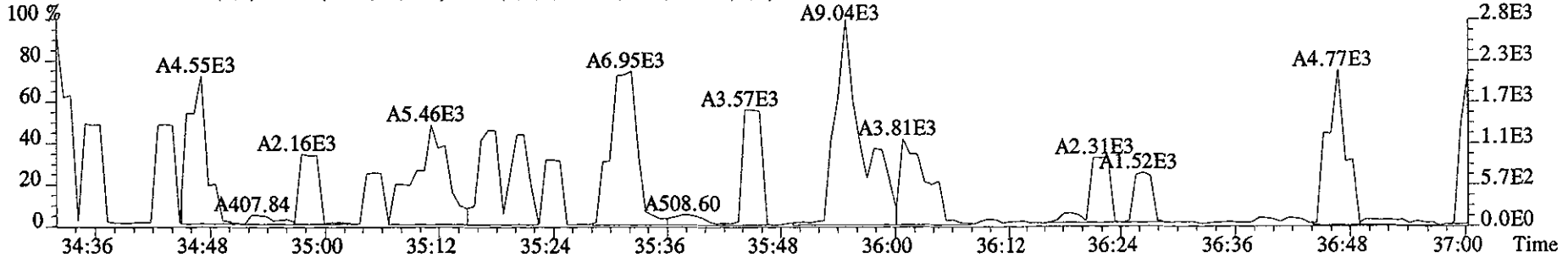
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,868.0,1.00%,F,T)



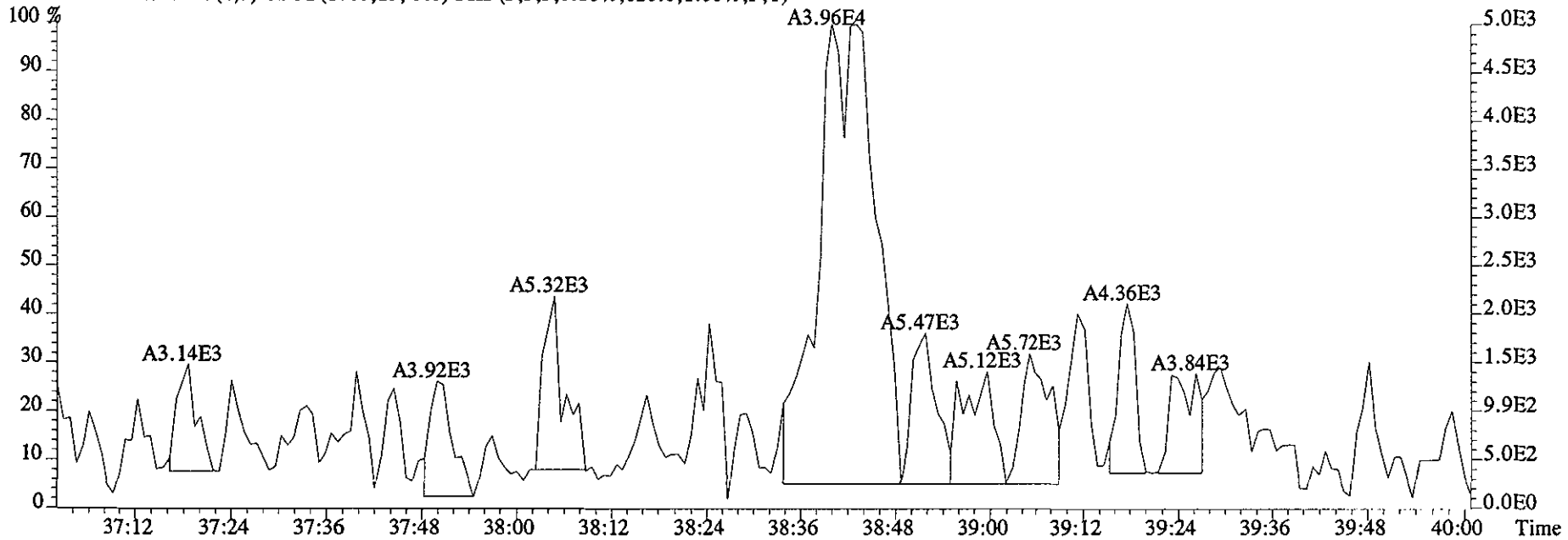
435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



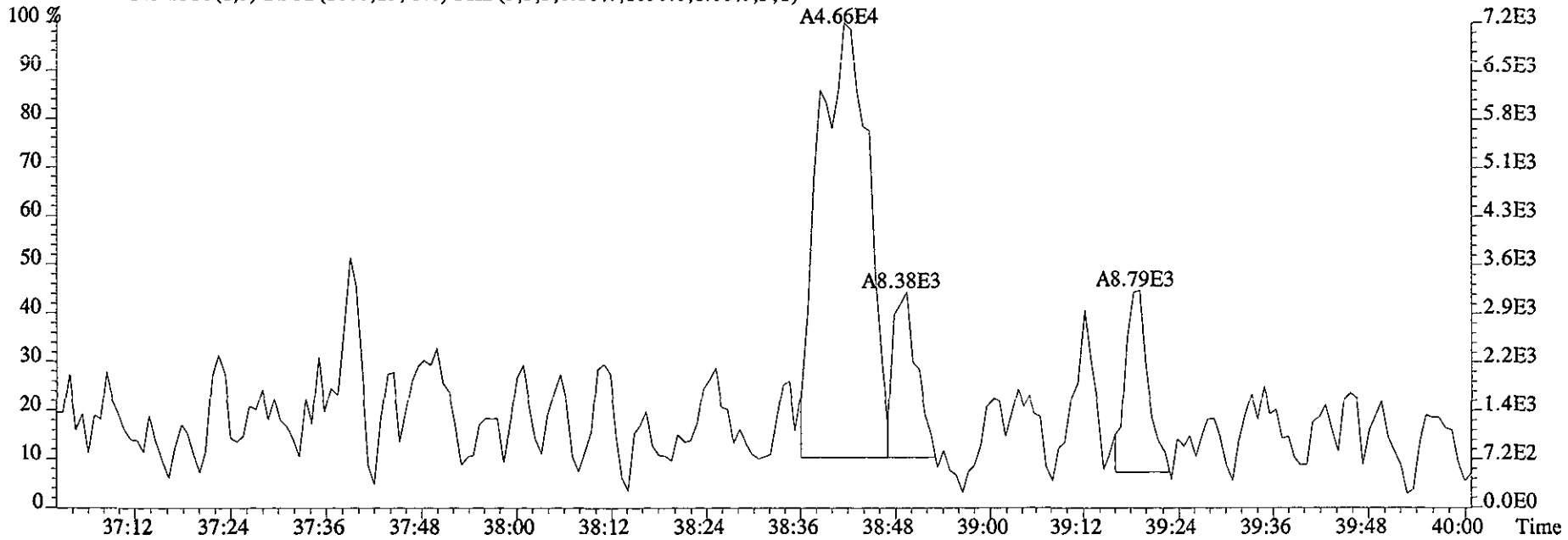
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



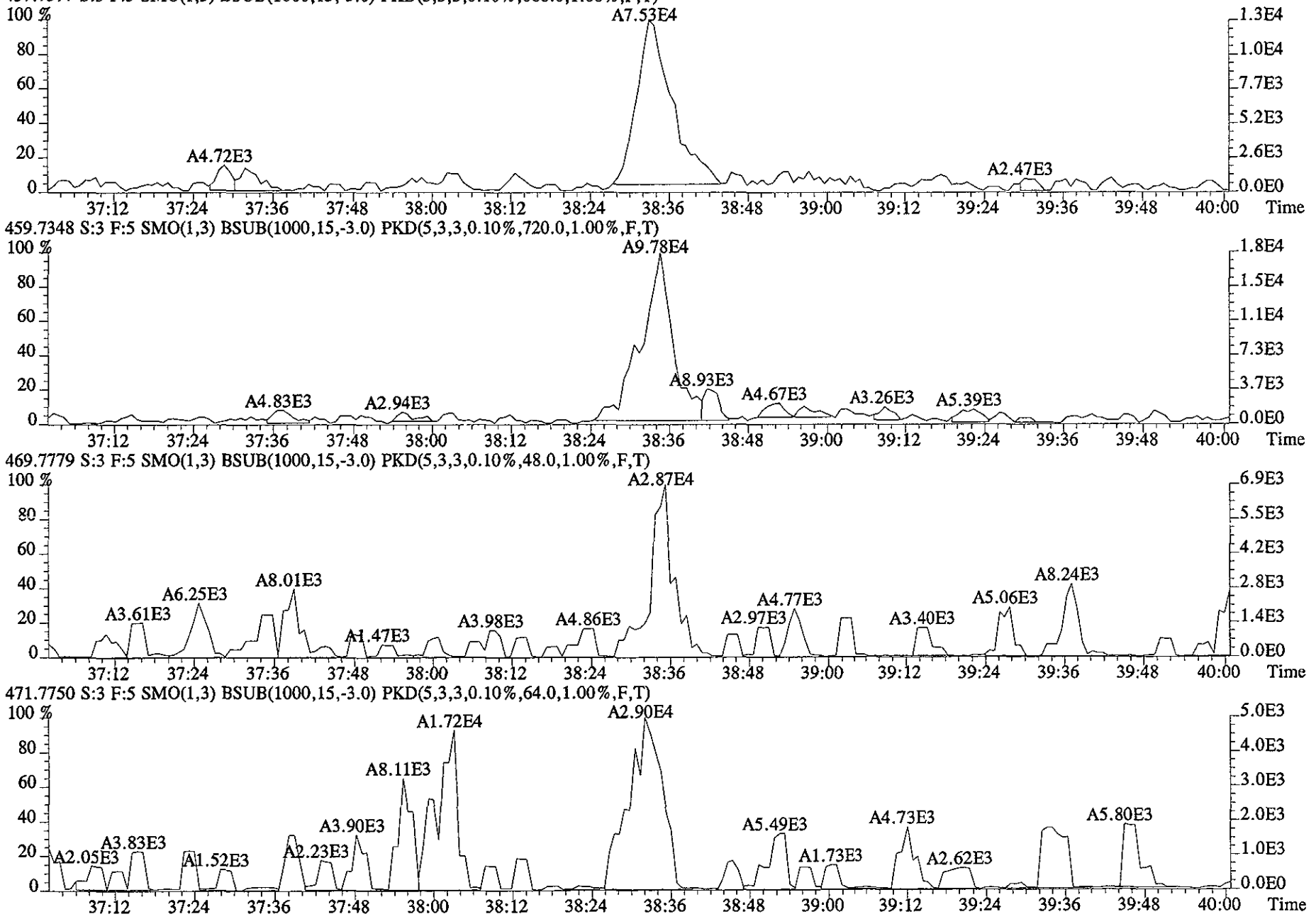
File:13MY104D5 #1-229 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,820.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1856.0,1.00%,F,T)

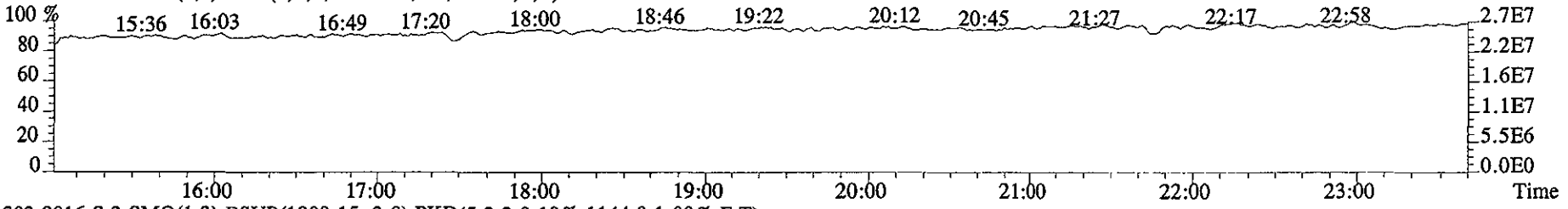


File:13MY104D5 #1-229 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

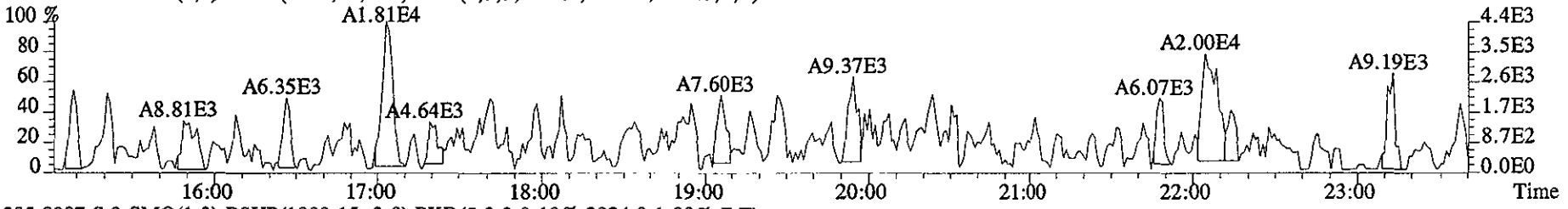


File:13MY104D5 #1-522 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

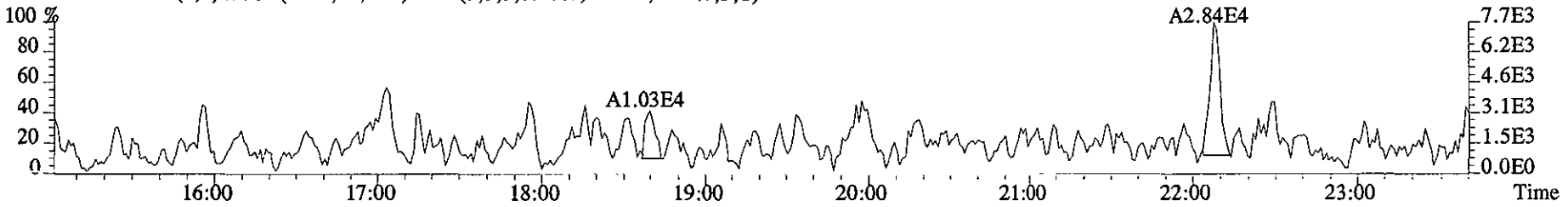
354.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



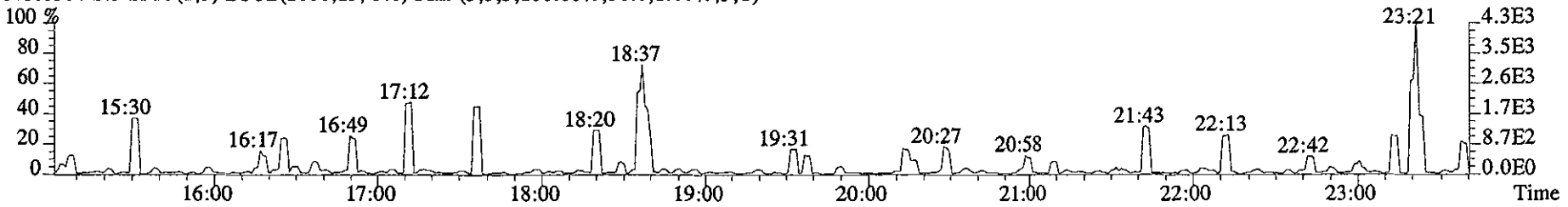
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144.0,1.00%,F,T)



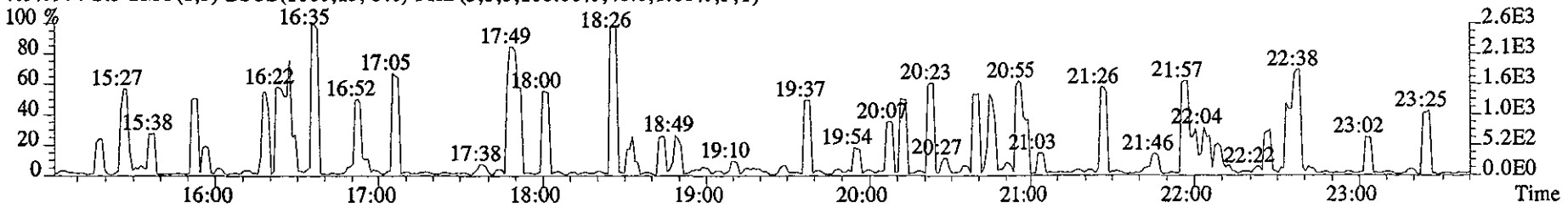
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2024.0,1.00%,F,T)



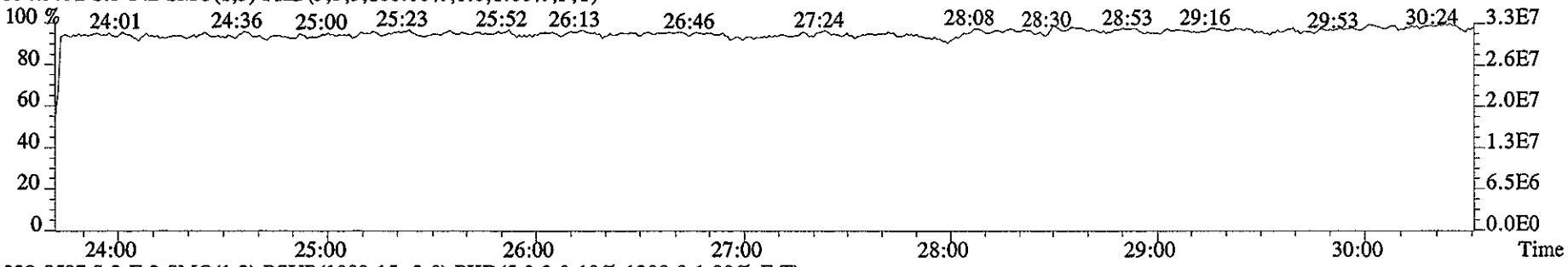
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



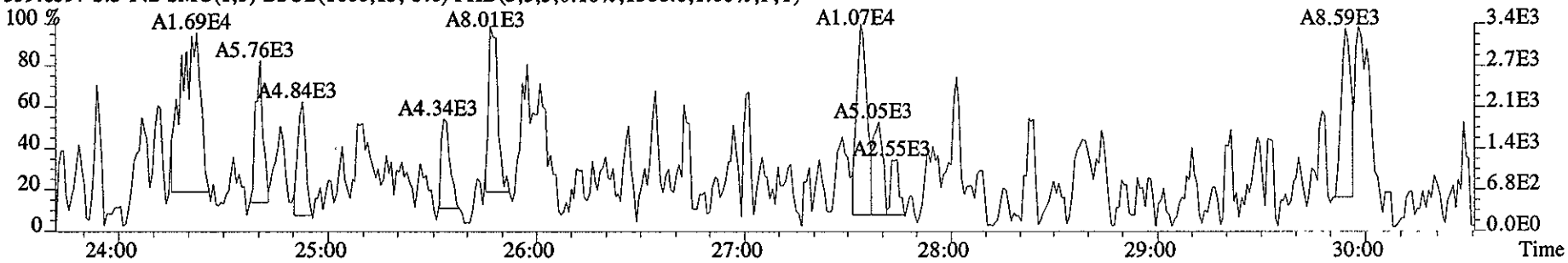
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,48.0,1.00%,F,T)



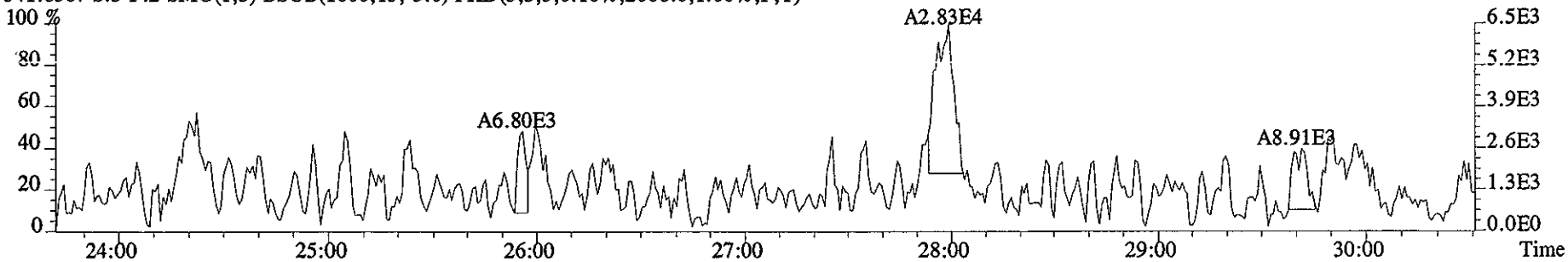
File:13MY104D5 #1-544 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A
354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



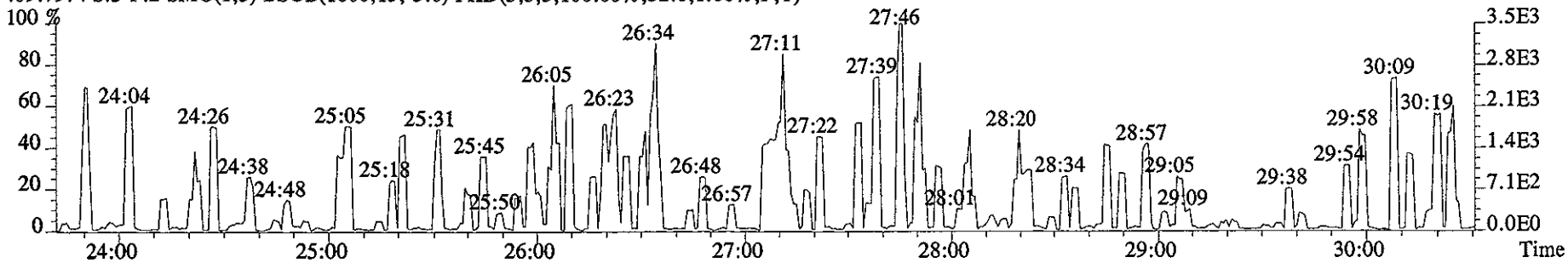
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308.0,1.00%,F,T)



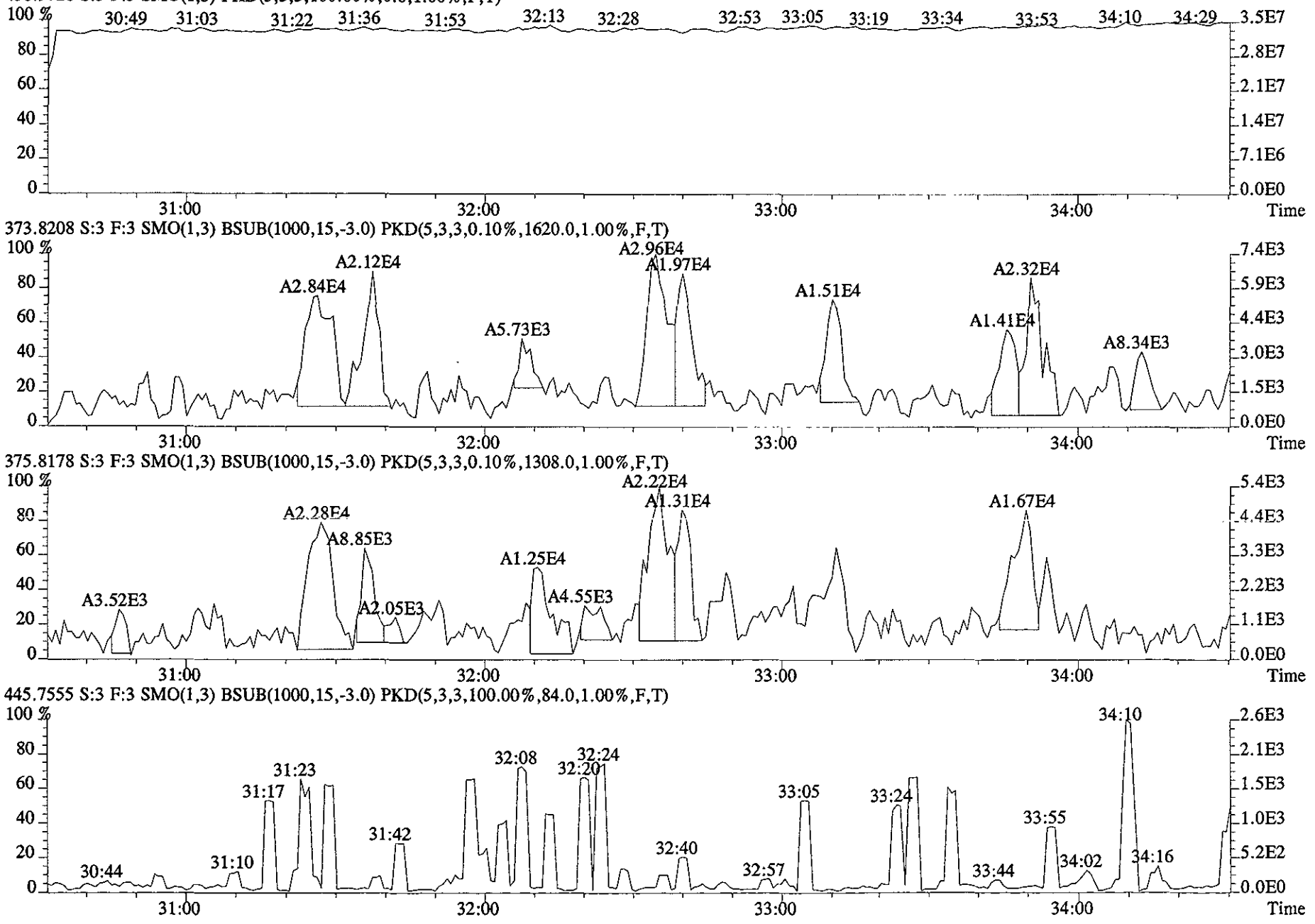
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T)



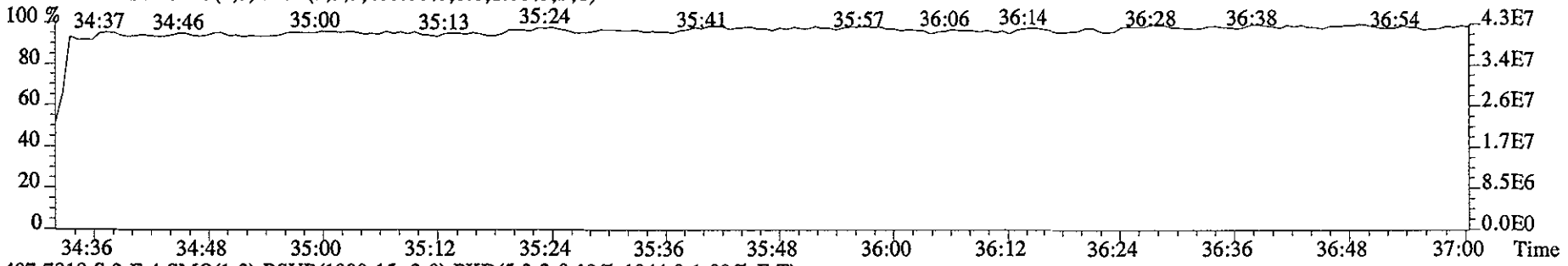
409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



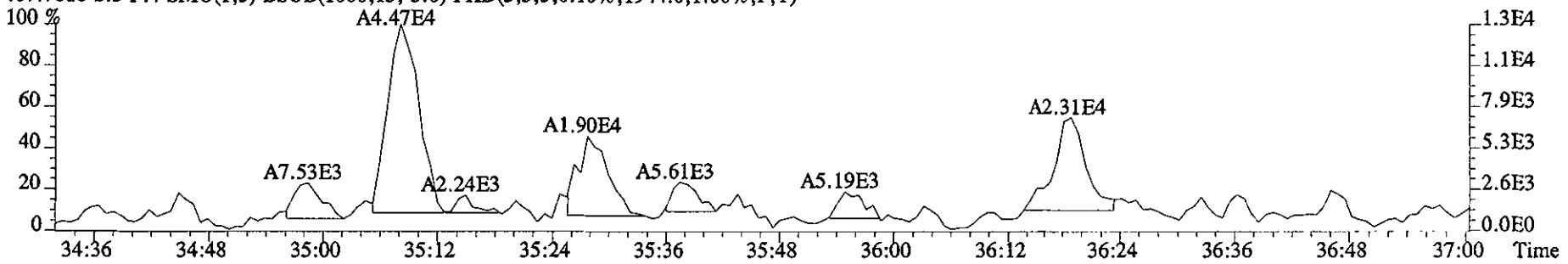
File:13MY104D5 #1-301 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A



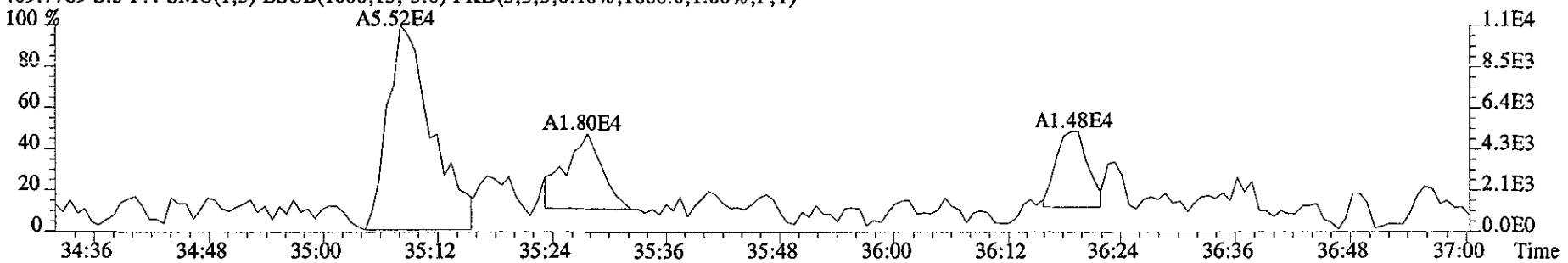
File:13MY104D5 #1-198 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



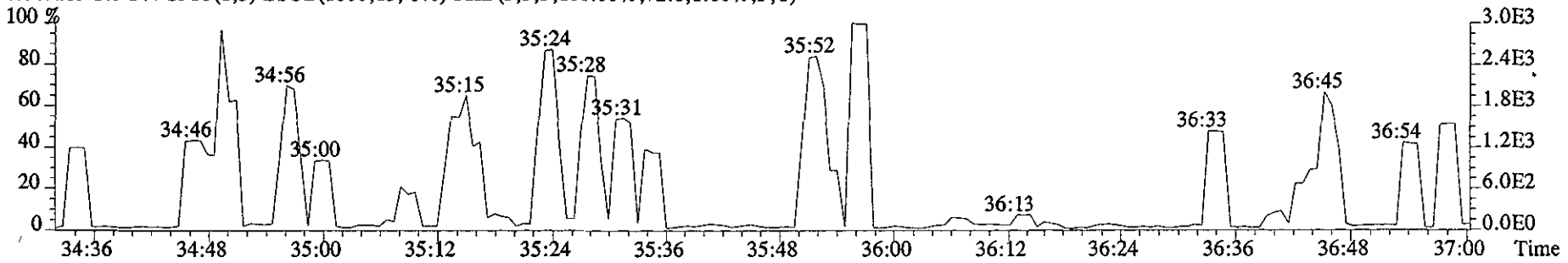
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1944.0,1.00%,F,T)



409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1888.0,1.00%,F,T)

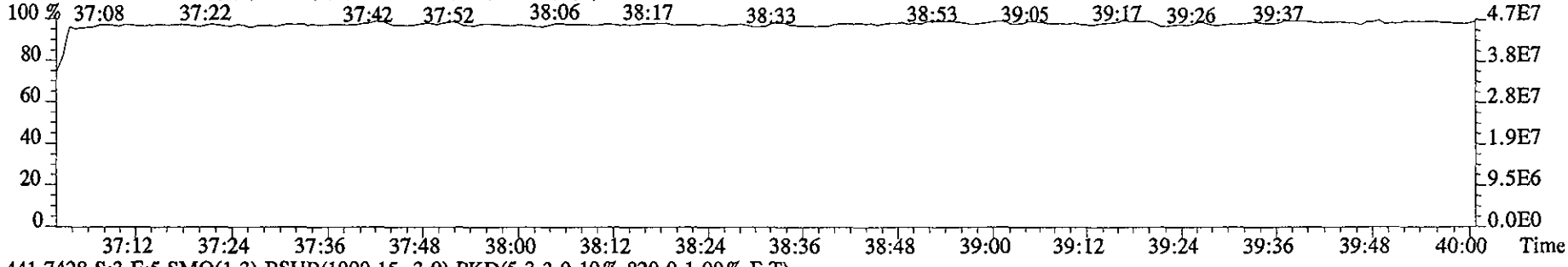


479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)

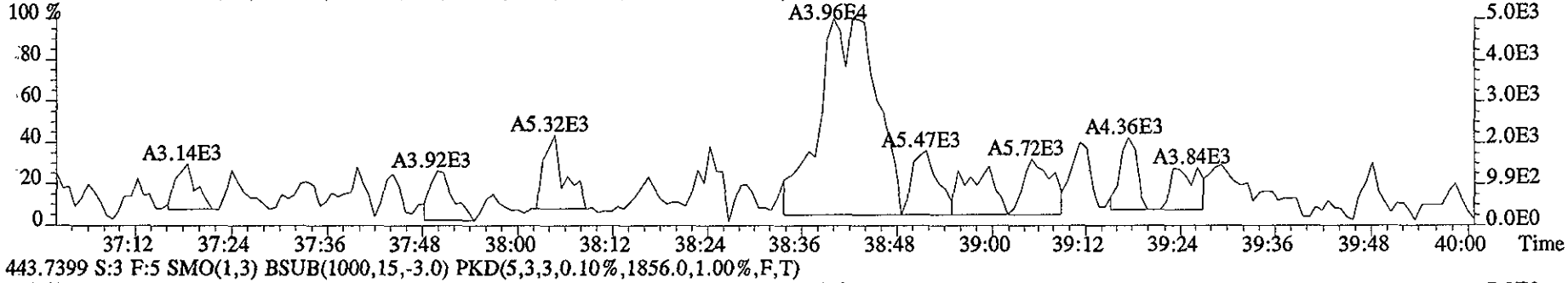


File:13MY104D5 #1-229 Acq:13-MAY-2010 12:01:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0513 :Solvent Blank C-14 Exp:DIOXINRES8290A

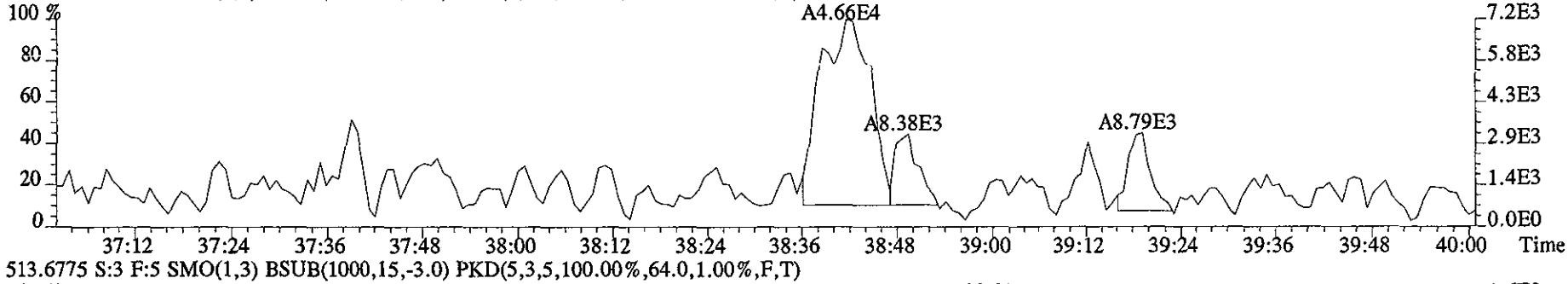
442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



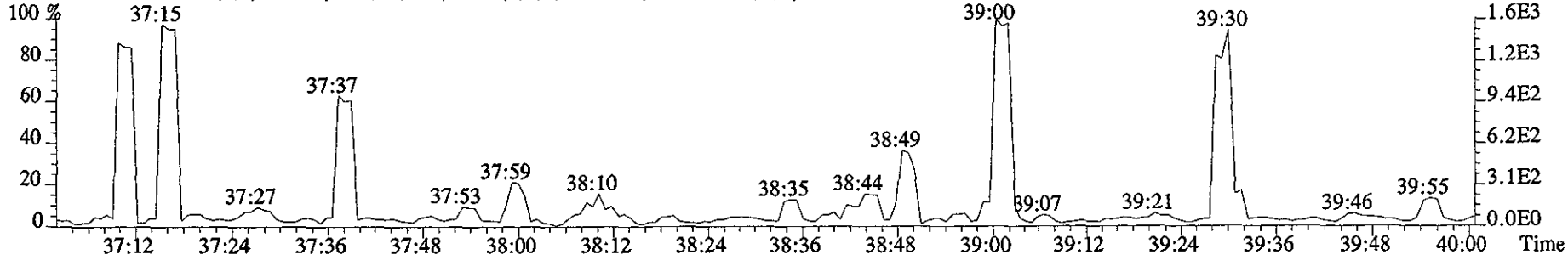
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,820.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1856.0,1.00%,F,T)

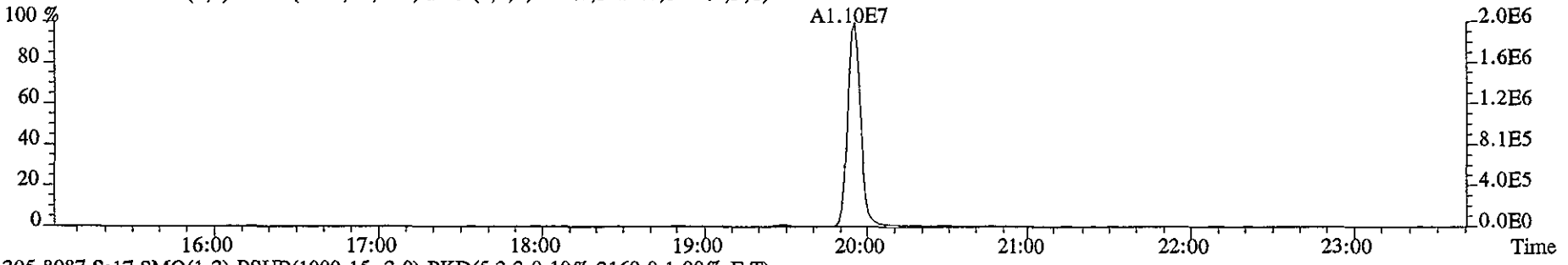


513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,64.0,1.00%,F,T)

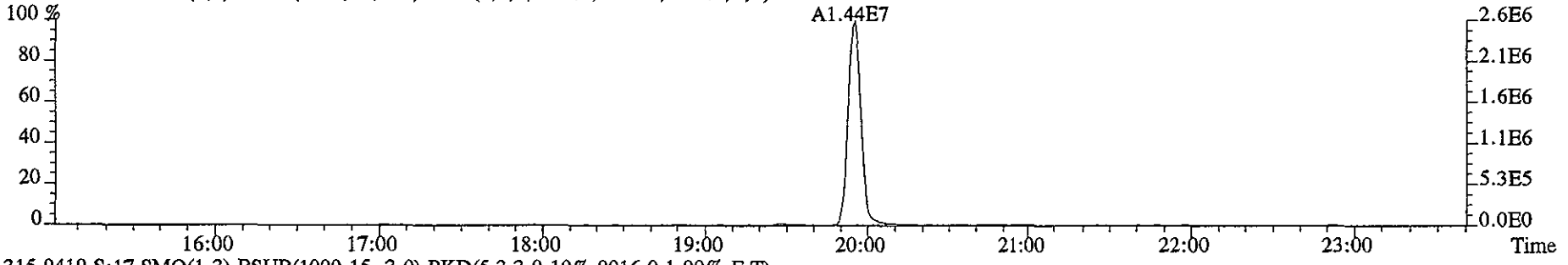


File:13MY104D5 #1-522 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

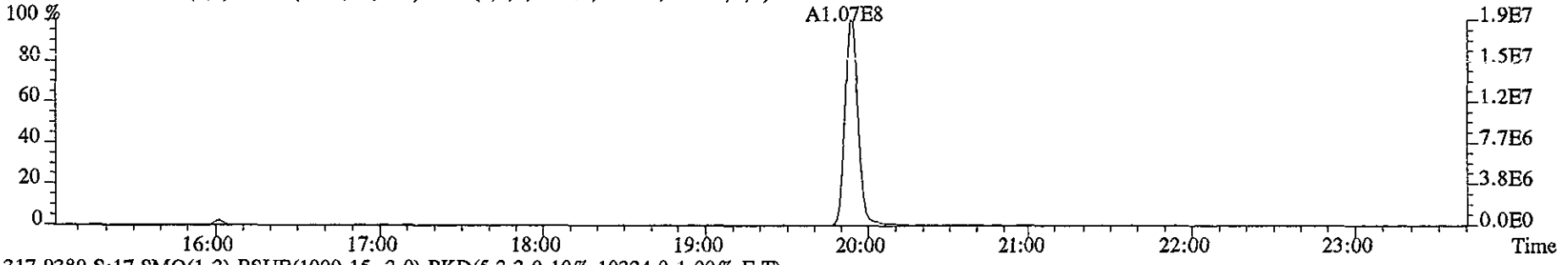
303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2028.0,1.00%,F,T)



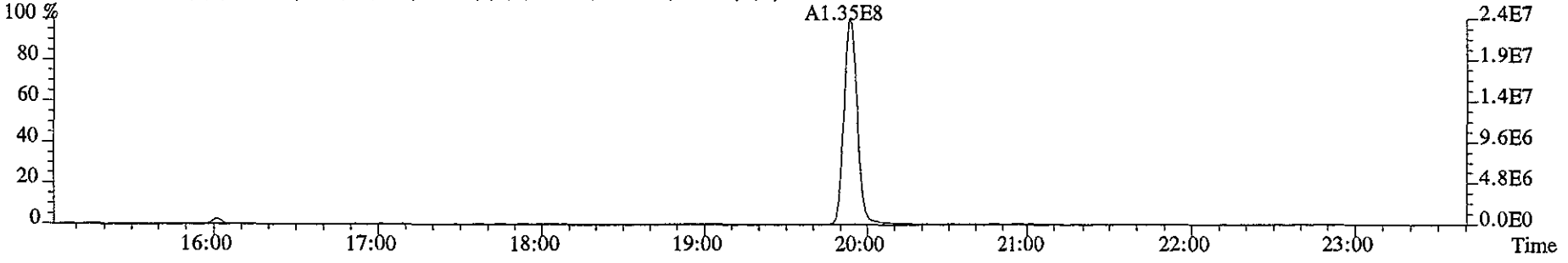
305.8987 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3160.0,1.00%,F,T)



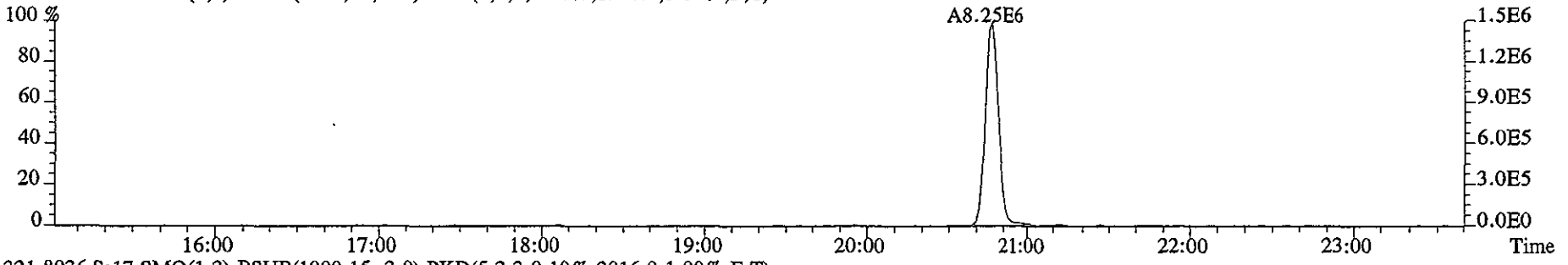
315.9419 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9916.0,1.00%,F,T)

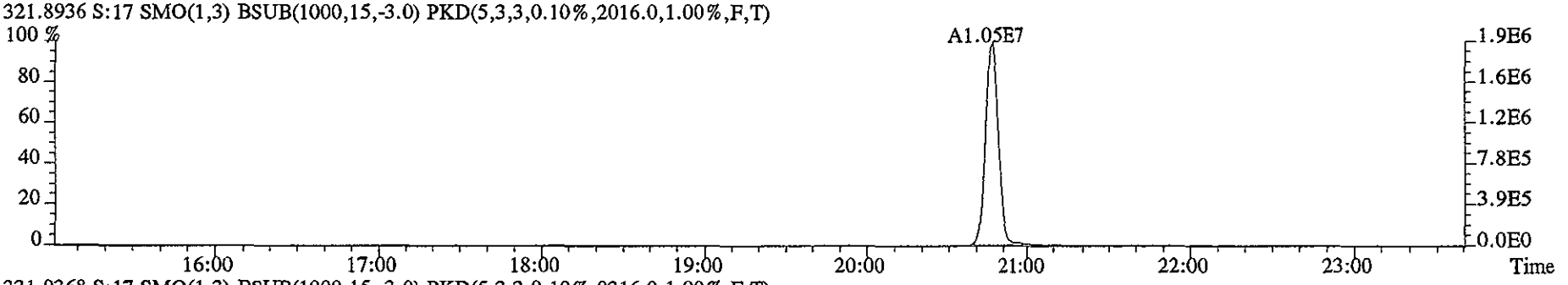


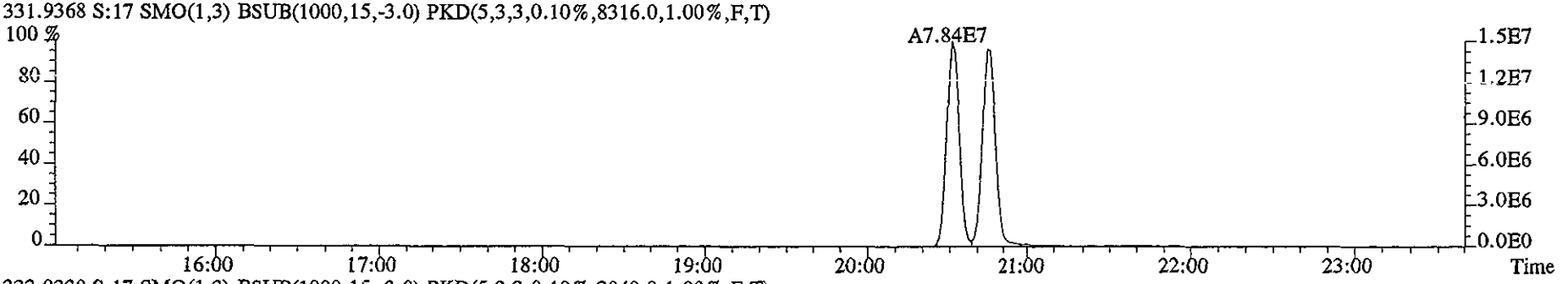
317.9389 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10324.0,1.00%,F,T)

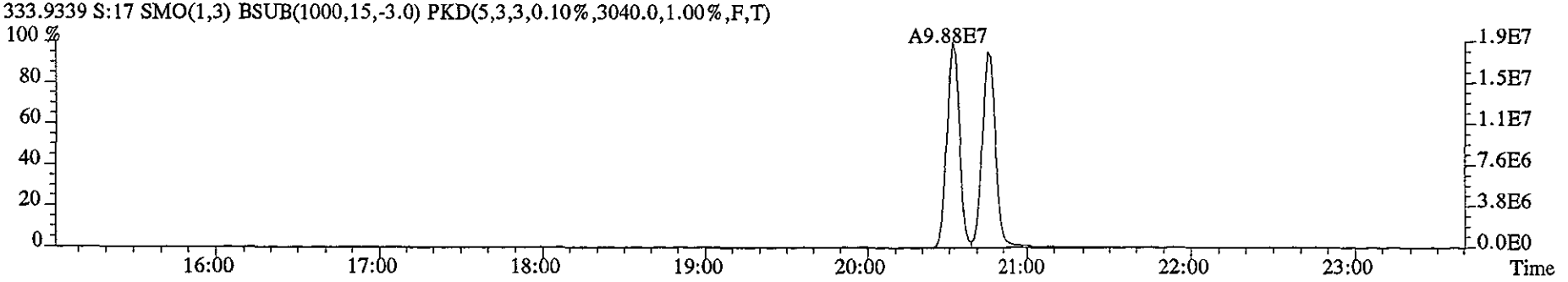


File:13MY104D5 #1-522 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

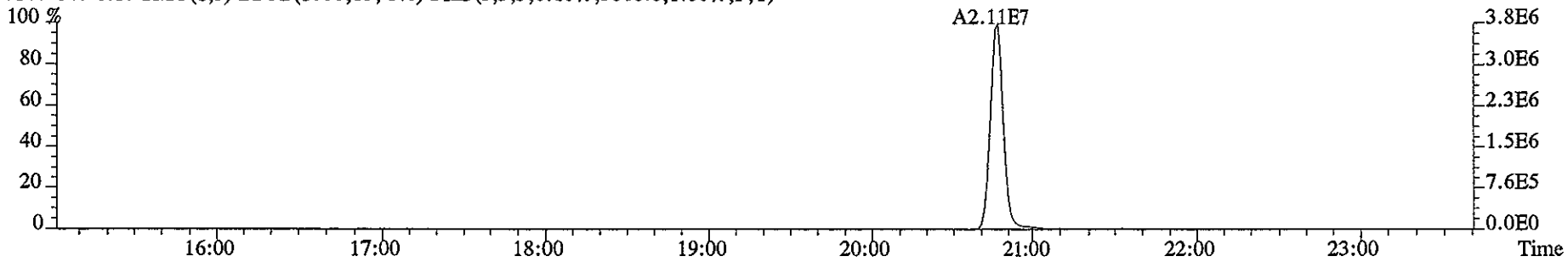




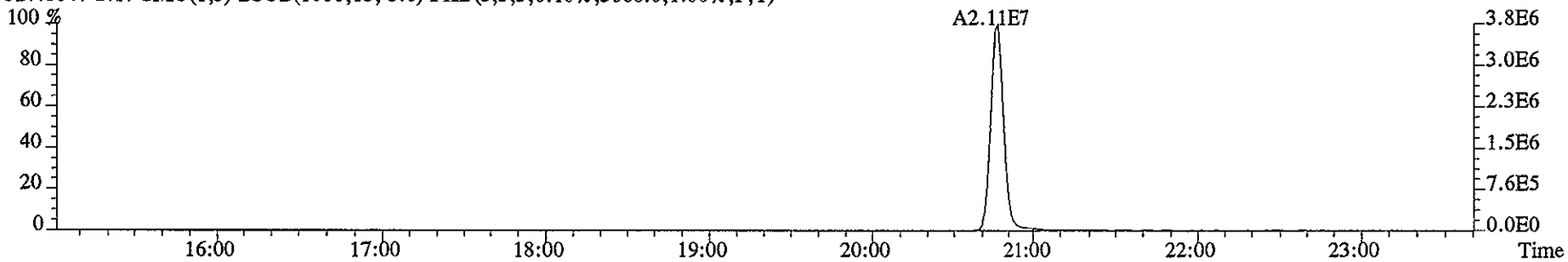




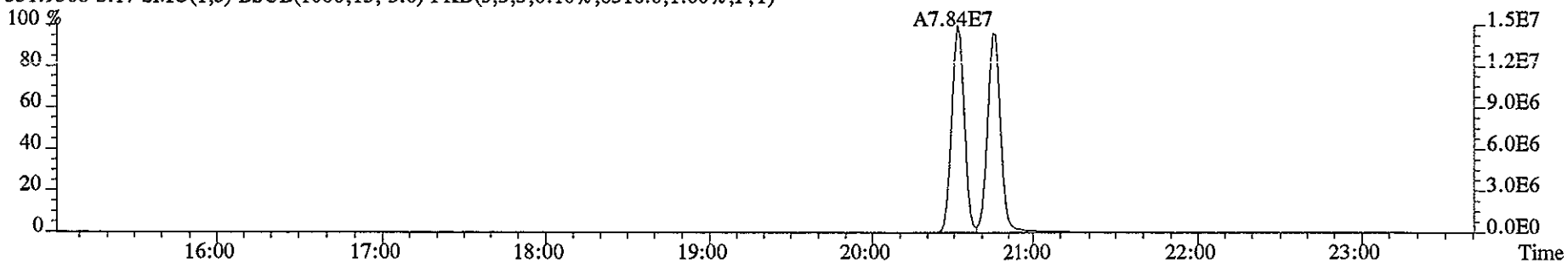
File:13MY104D5 #1-522 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A
327.8847 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3060.0,1.00%,F,T)



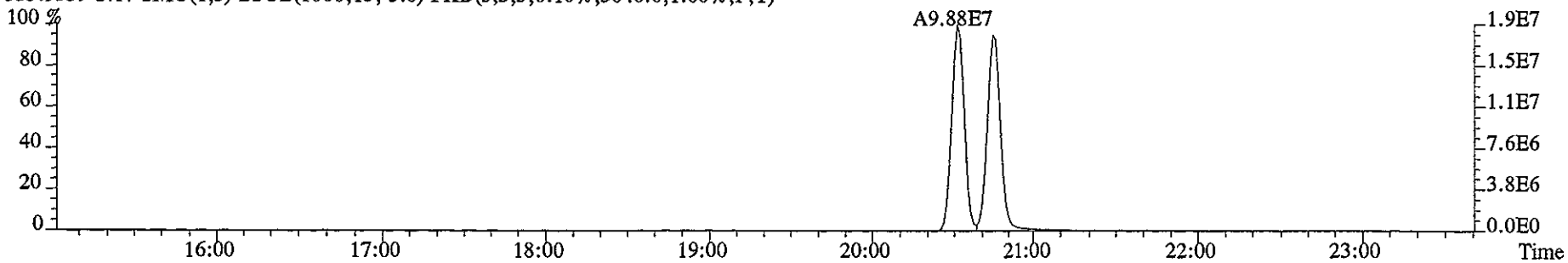
327.8847 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3060.0,1.00%,F,T)



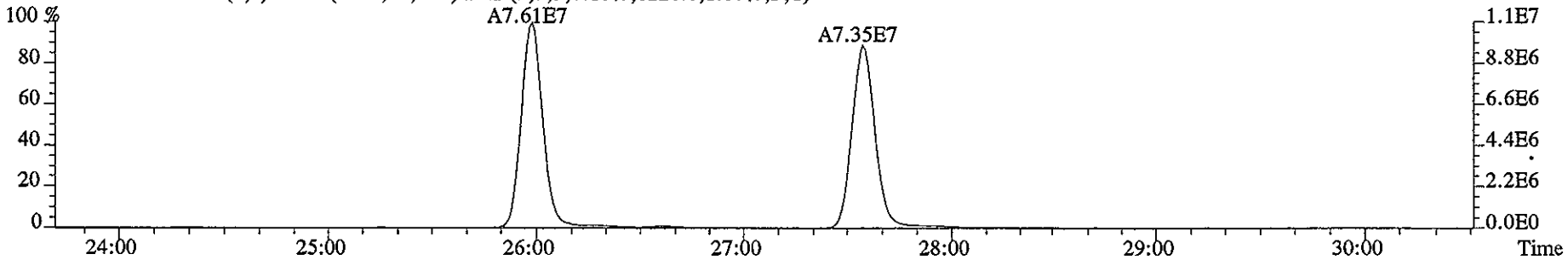
331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8316.0,1.00%,F,T)



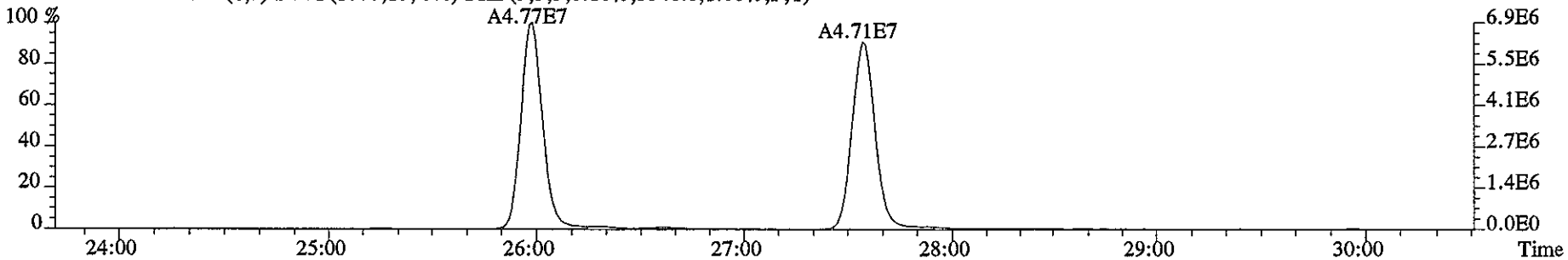
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3040.0,1.00%,F,T)



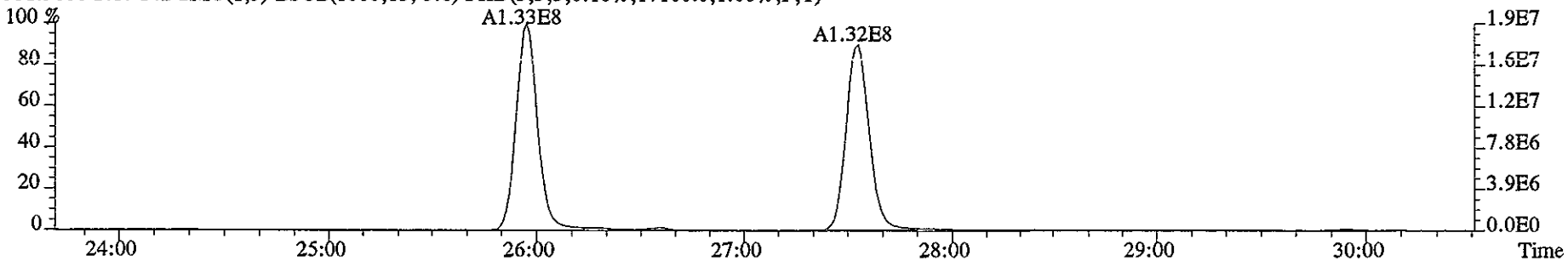
File:13MY104D5 #1-544 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6220.0,1.00%,F,T)



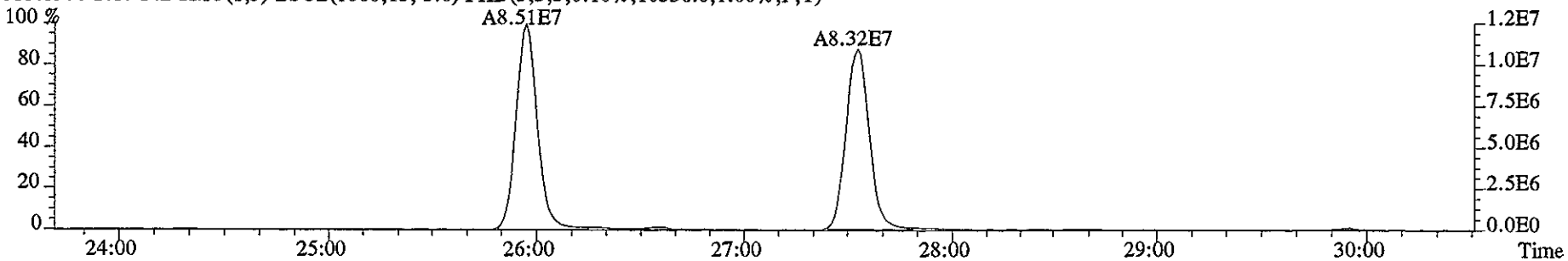
341.8567 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



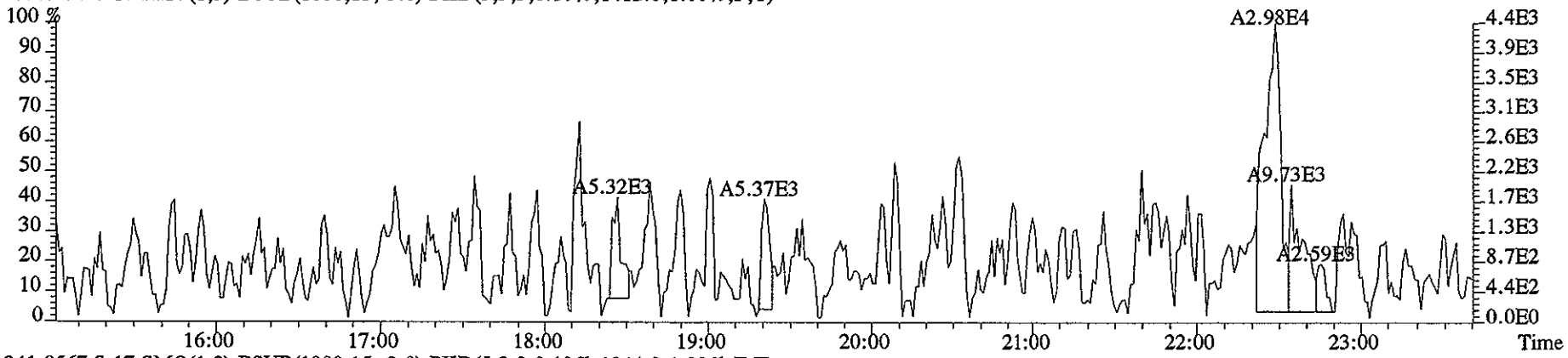
351.9000 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17100.0,1.00%,F,T)



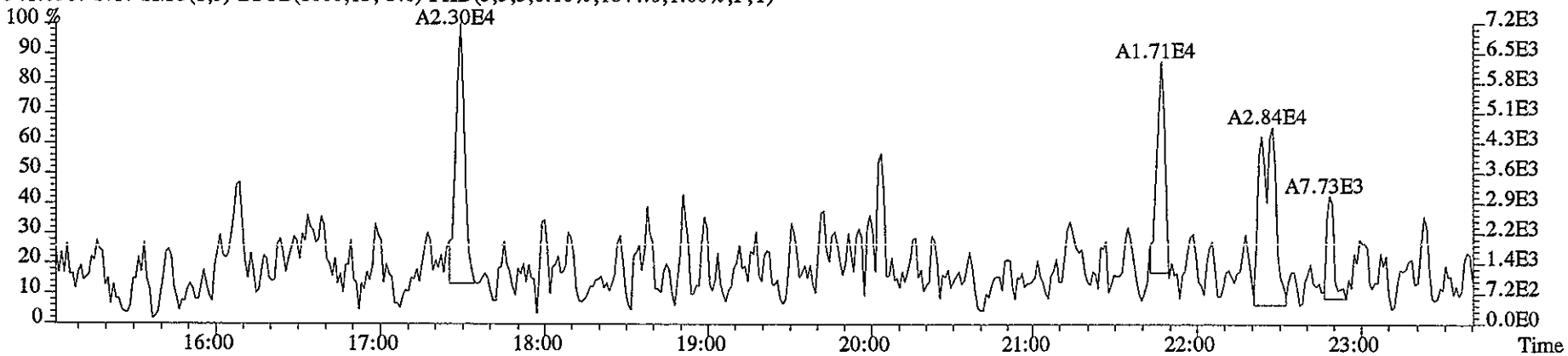
353.8970 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10336.0,1.00%,F,T)



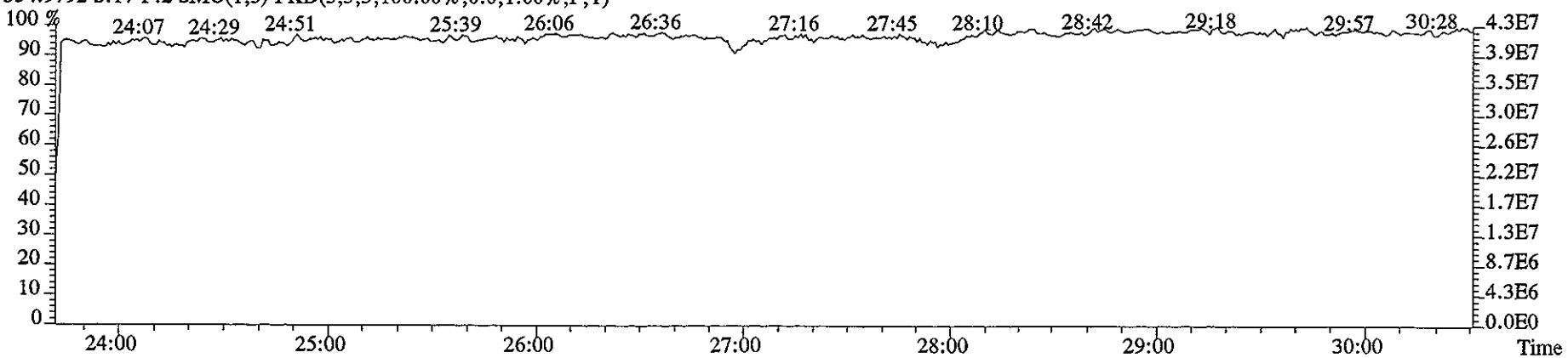
File:13MY104D5 #1-522 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1412.0,1.00%,F,T)



341.8567 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1844.0,1.00%,F,T)

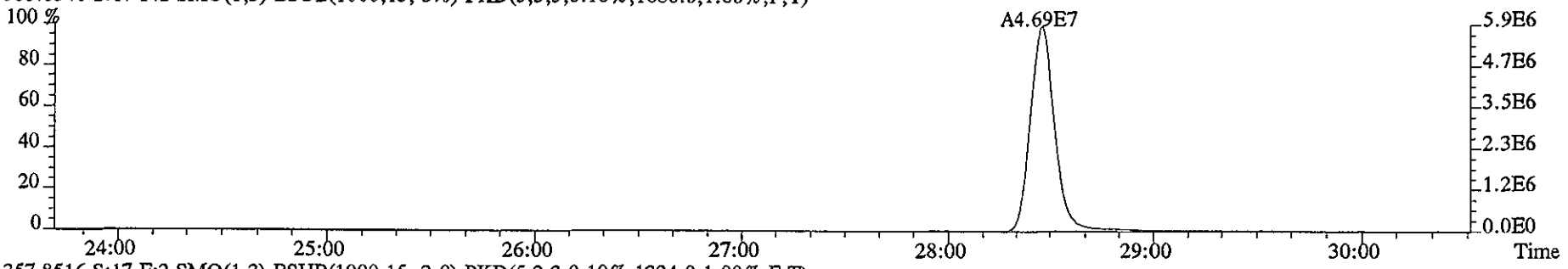


354.9792 S:17 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

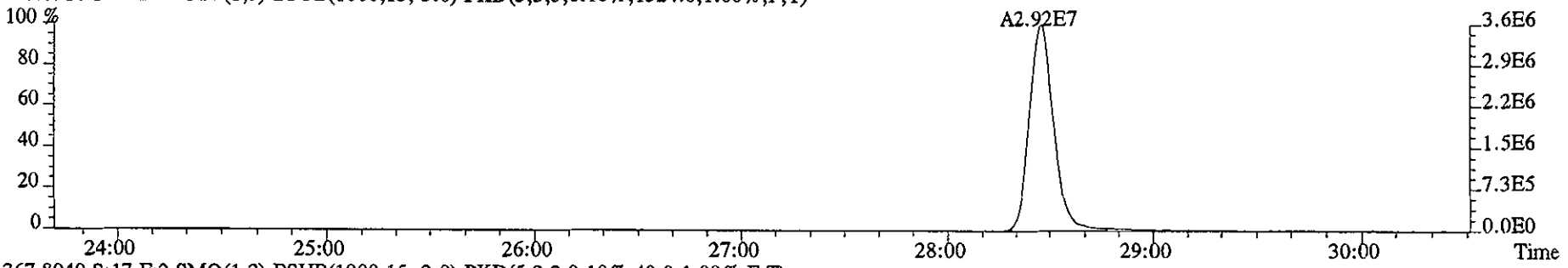


File:13MY104D5 #1-544 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

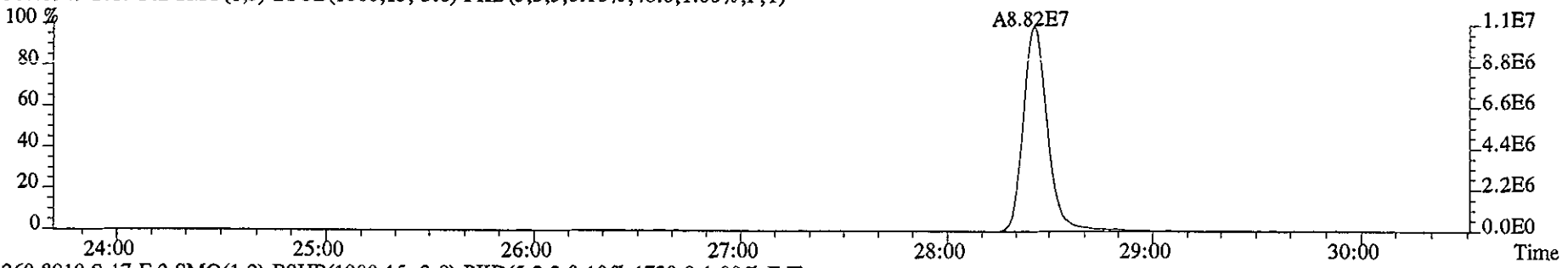
355.8546 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



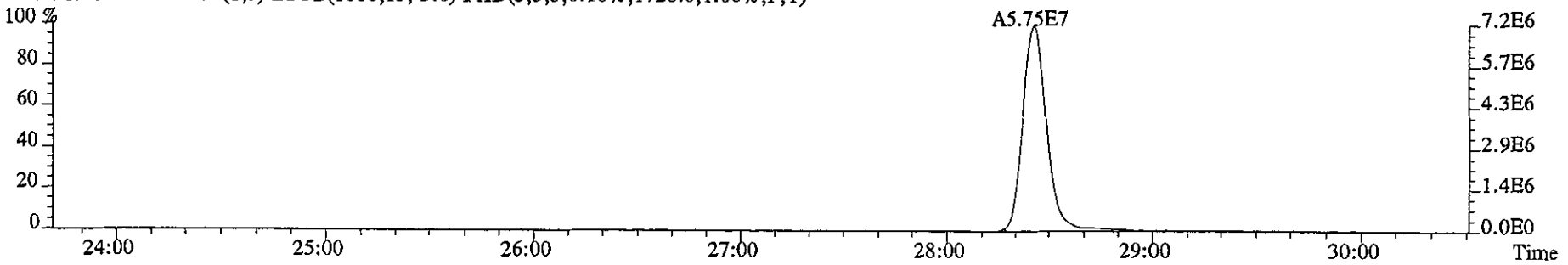
357.8516 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



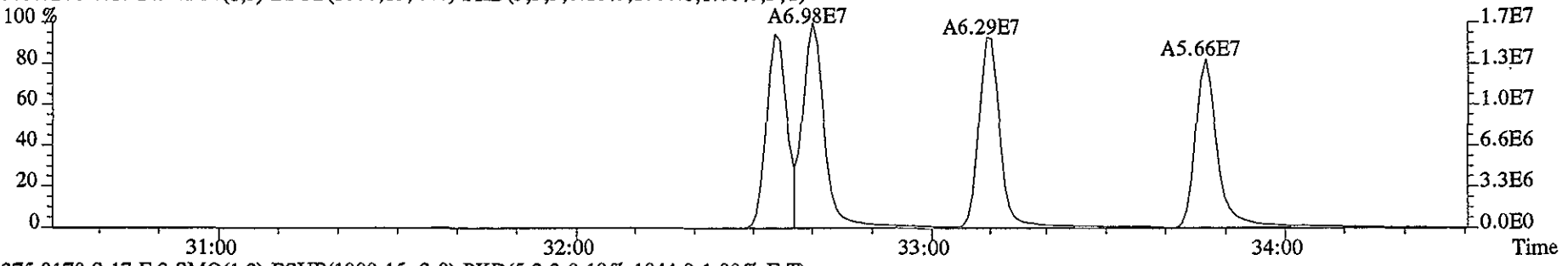
367.8949 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



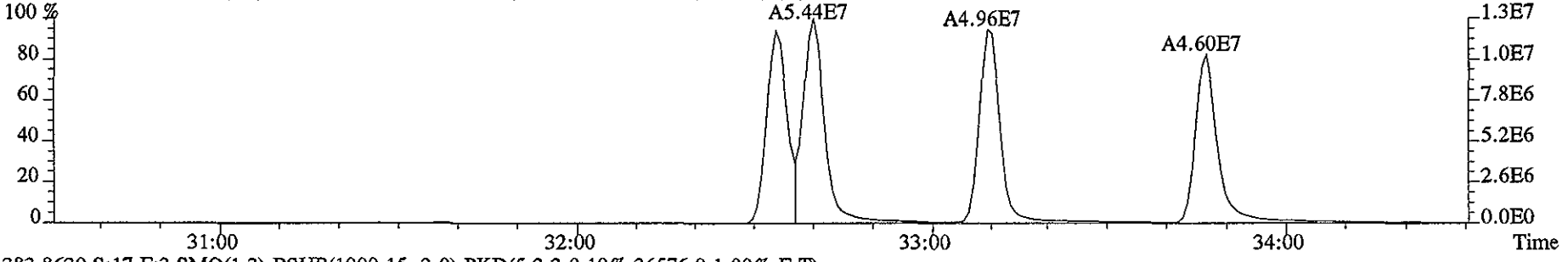
369.8919 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1728.0,1.00%,F,T)



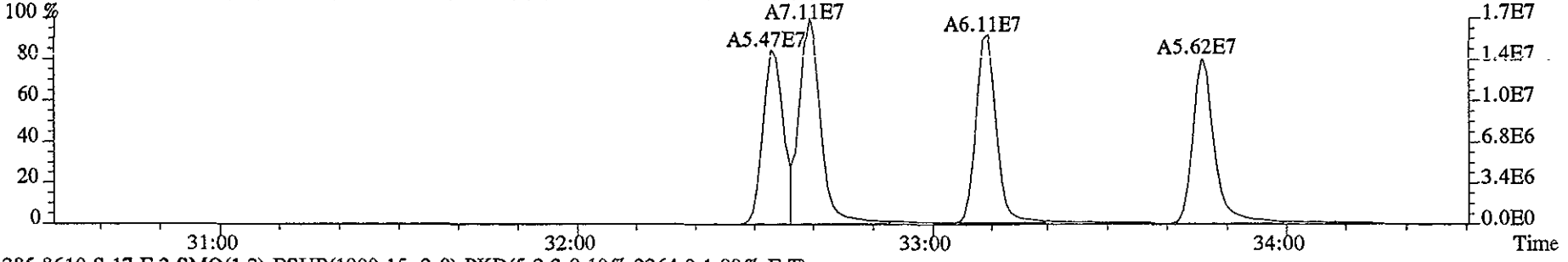
File:13MY104D5 #1-301 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A
373.8208 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1700.0,1.00%,F,T)



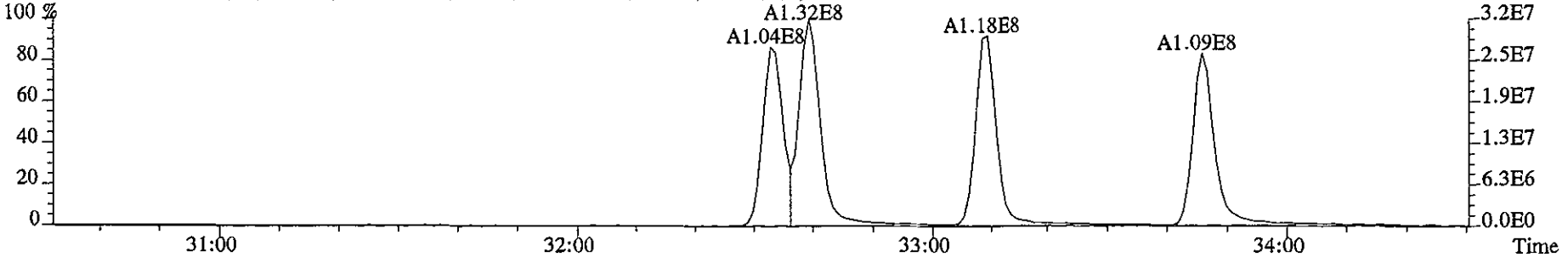
375.8178 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1844.0,1.00%,F,T)



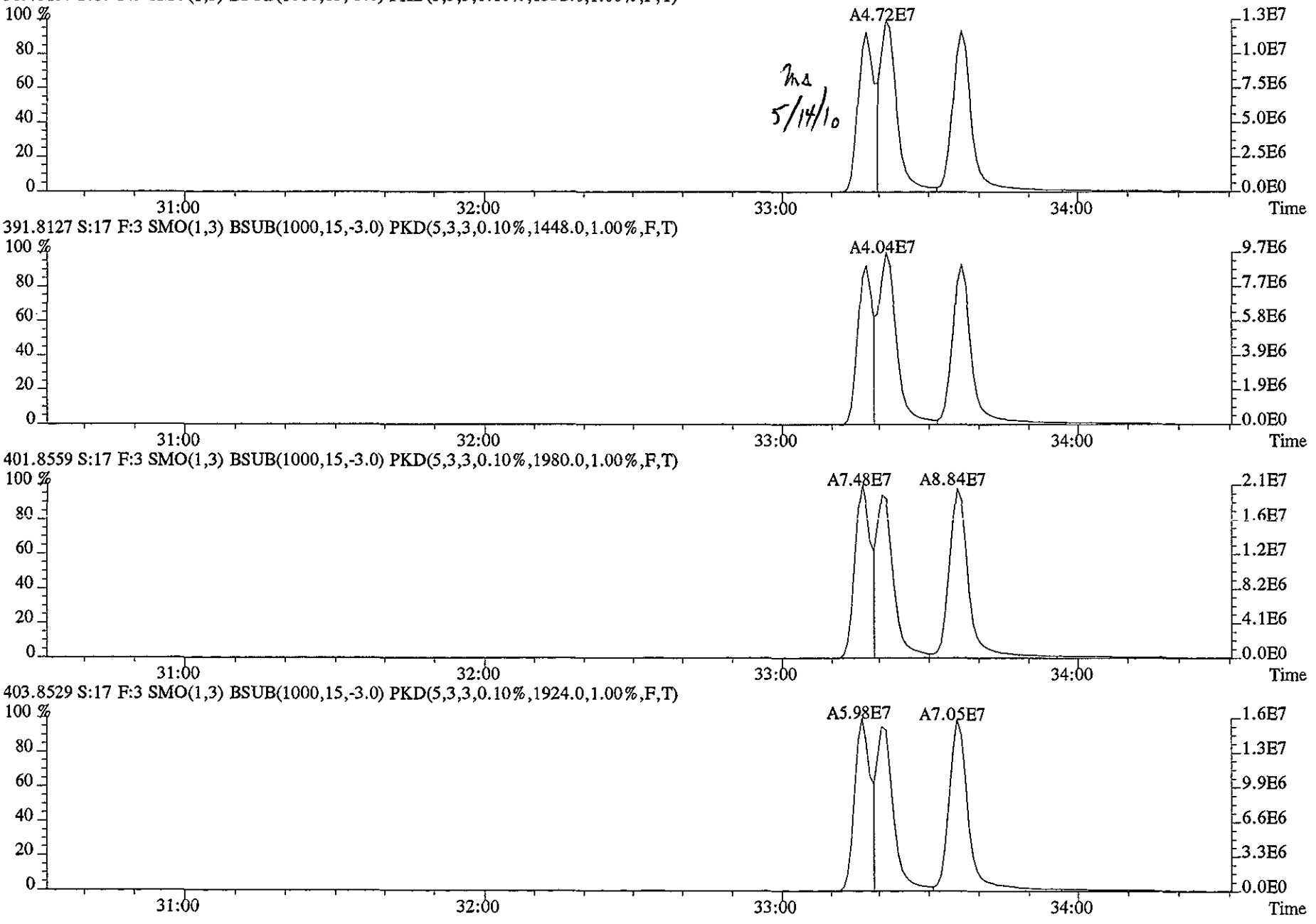
383.8639 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36576.0,1.00%,F,T)



385.8610 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3364.0,1.00%,F,T)

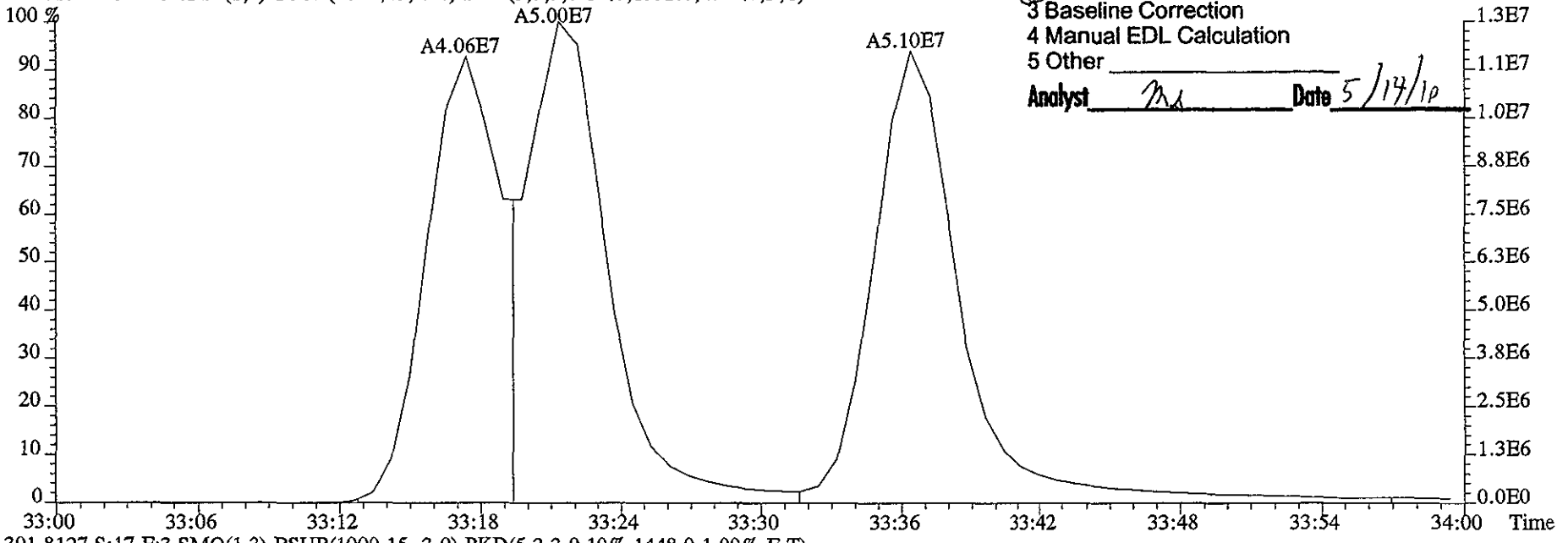


File:13MY104D5 #1-301 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

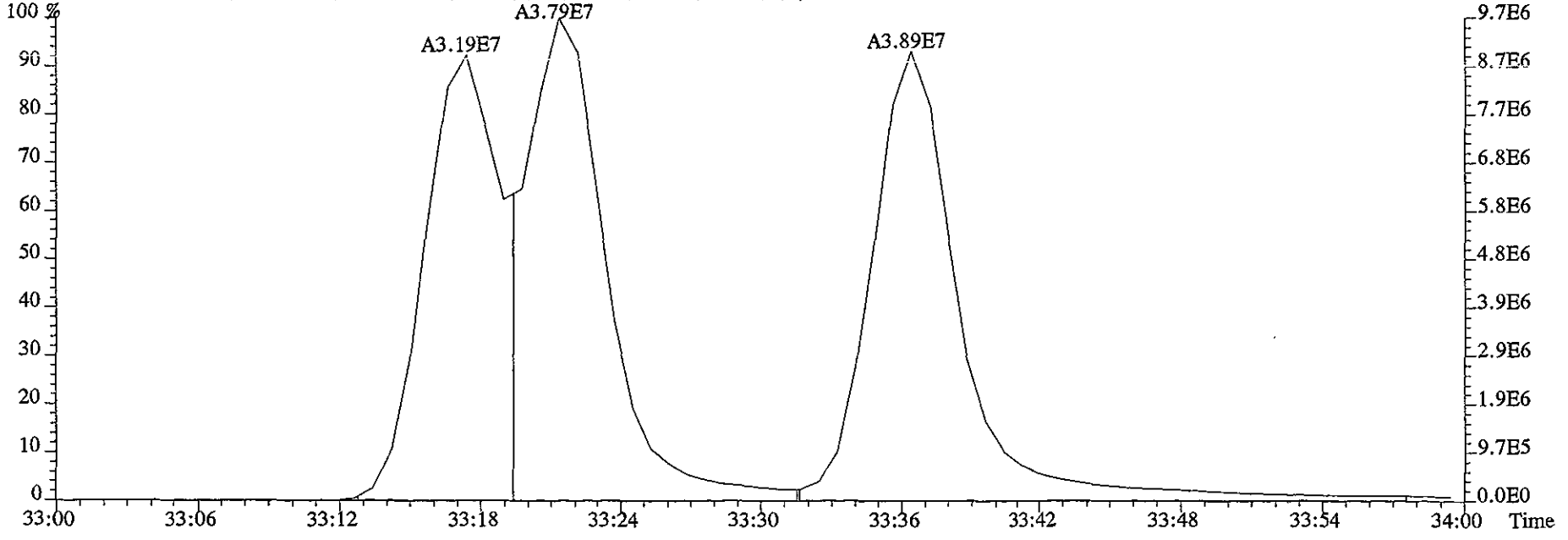


MA
5/14/10

File:13MY104D5 #1-301 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A
389.8157 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1332.0,1.00%,F,T)



391.8127 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448.0,1.00%,F,T)

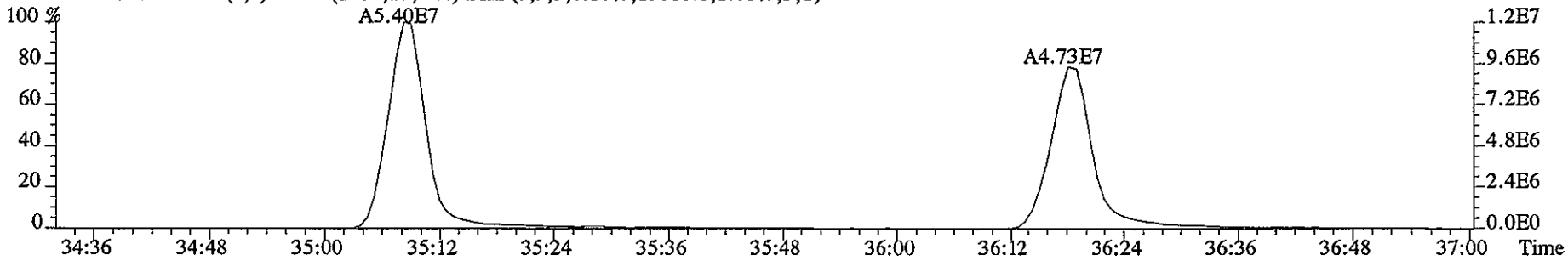


MANUAL EDIT CODES

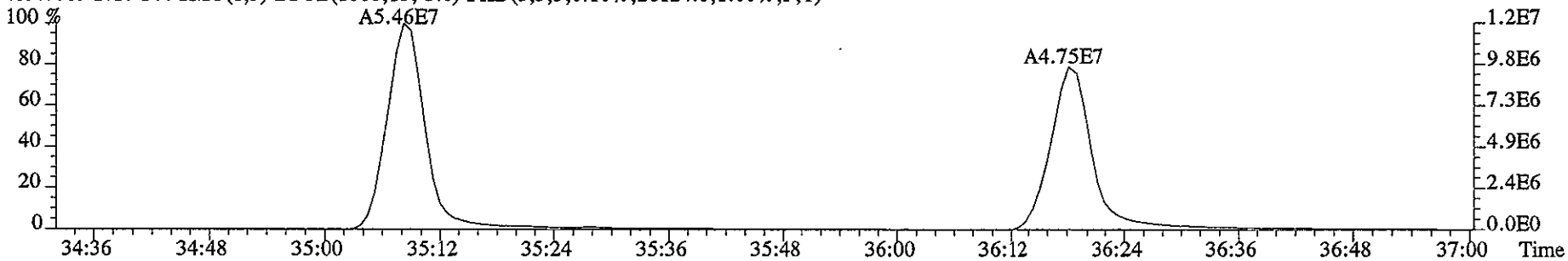
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
5 Other _____

Analyst MA Date 5/14/10

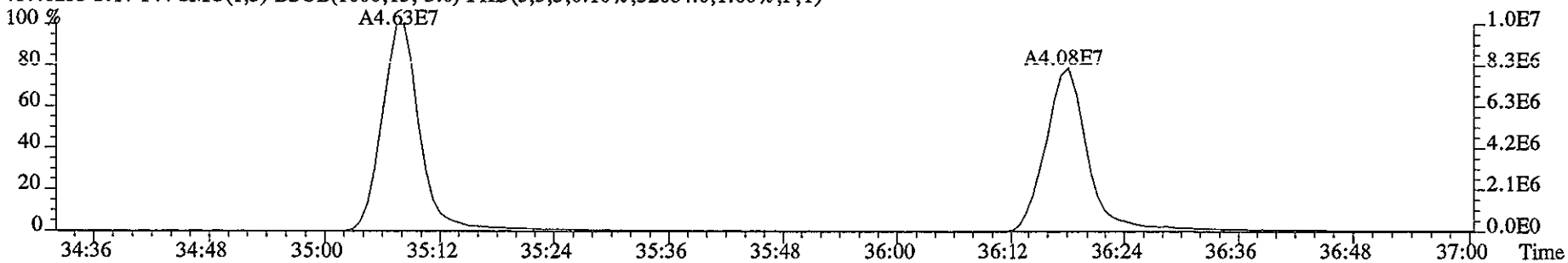
File:13MY104D5 #1-198 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A
407.7818 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19060.0,1.00%,F,T)



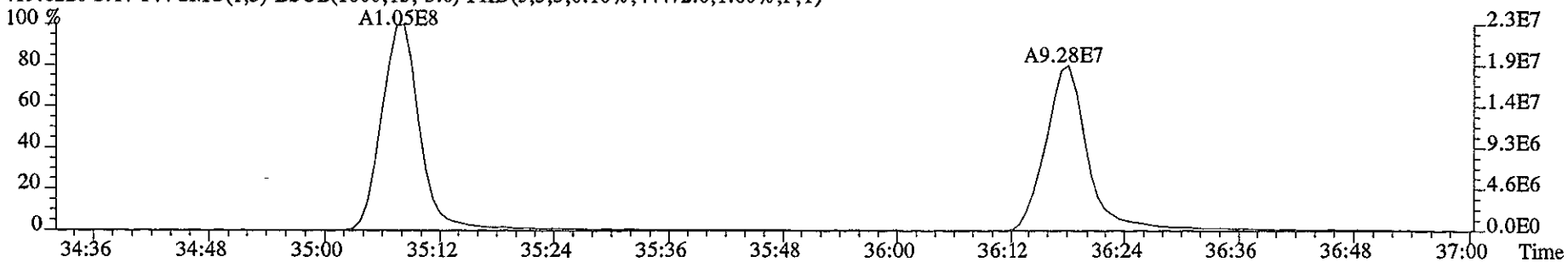
409.7789 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26124.0,1.00%,F,T)



417.8253 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32684.0,1.00%,F,T)

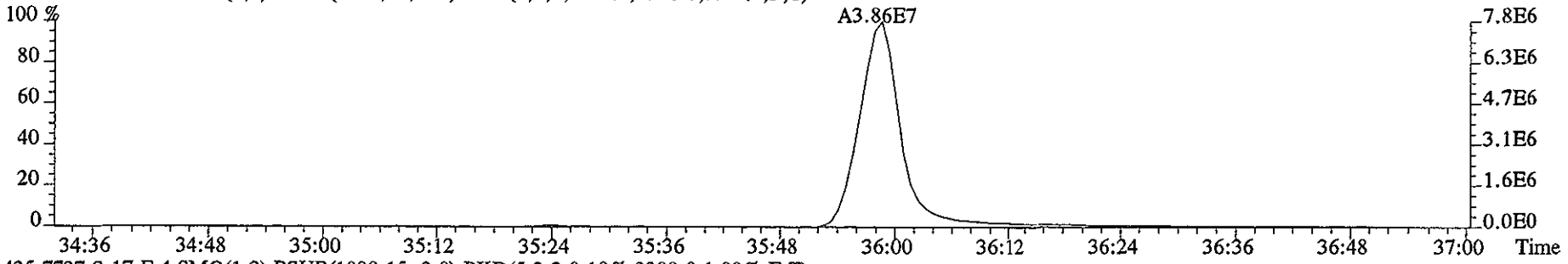


419.8220 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44472.0,1.00%,F,T)

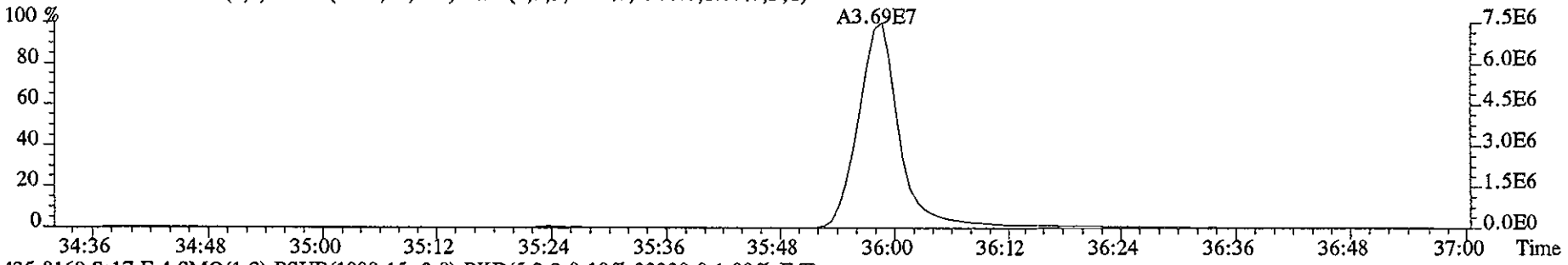


File:13MY104D5 #1-198 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

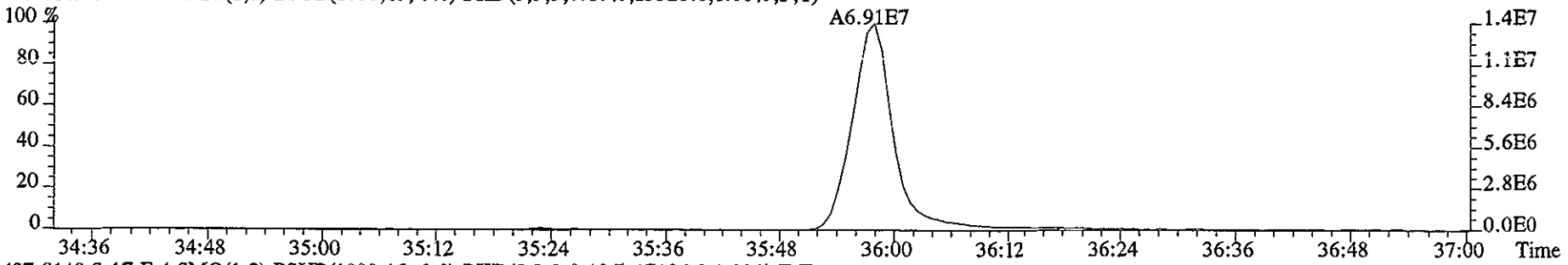
423.7766 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8196.0,1.00%,F,T)



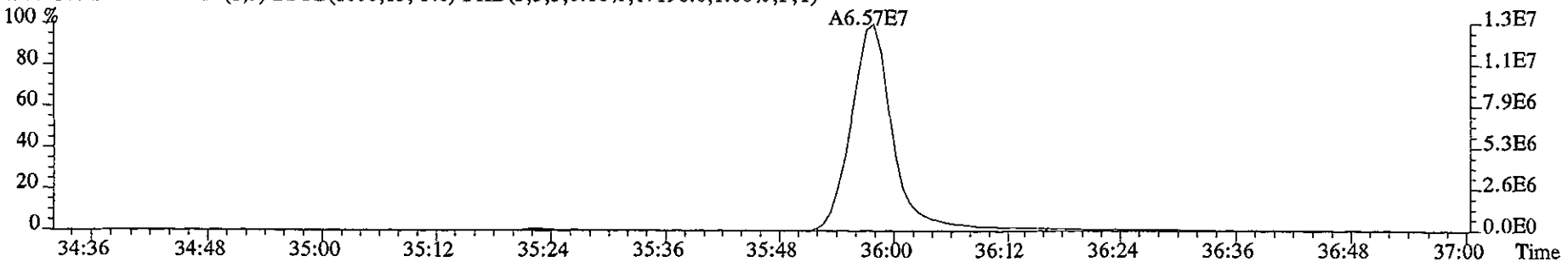
425.7737 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3280.0,1.00%,F,T)



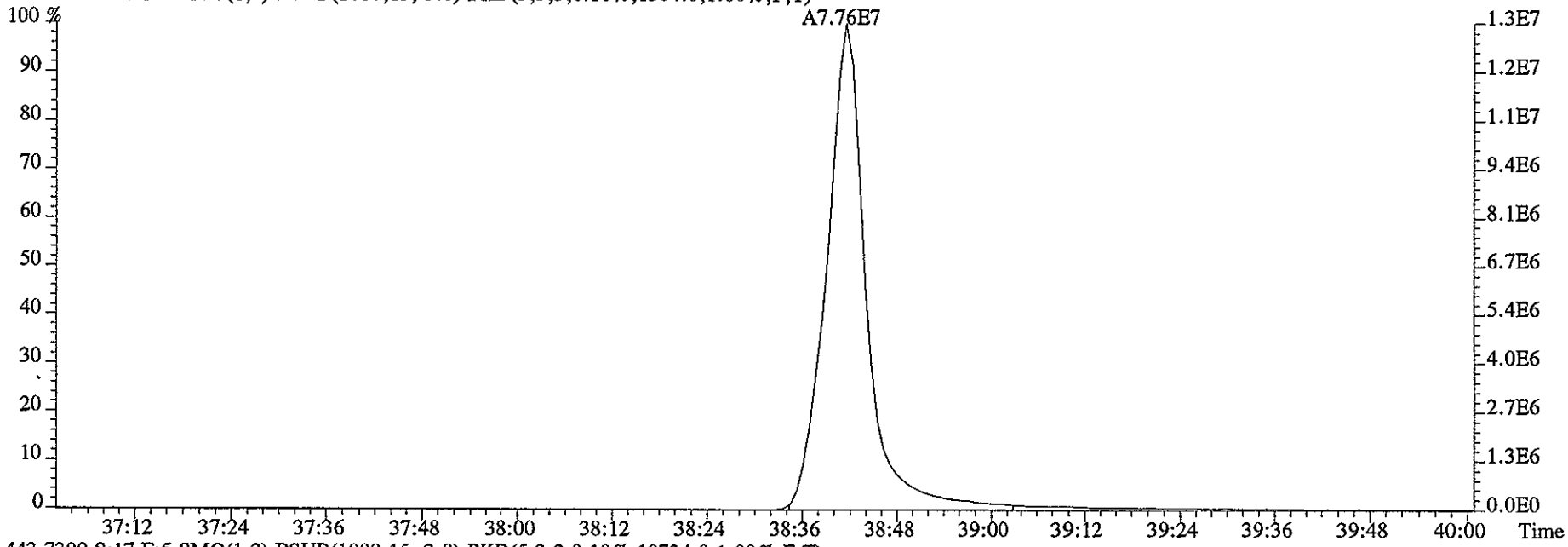
435.8169 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23320.0,1.00%,F,T)



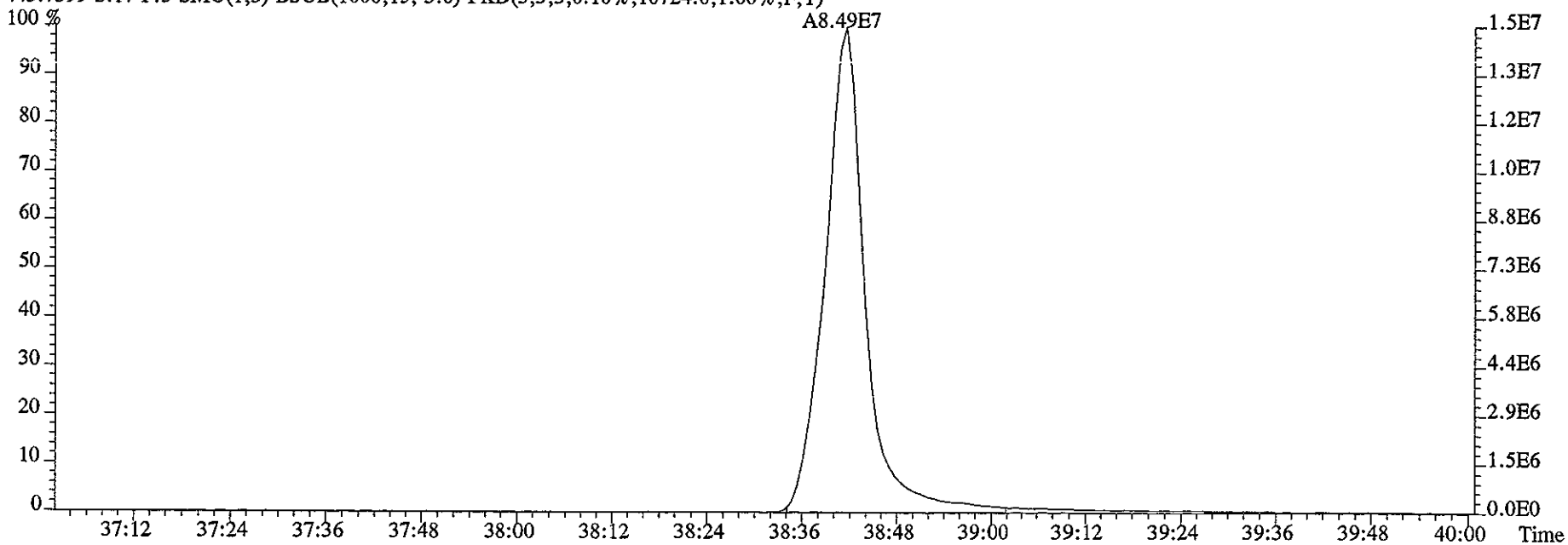
437.8140 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17196.0,1.00%,F,T)



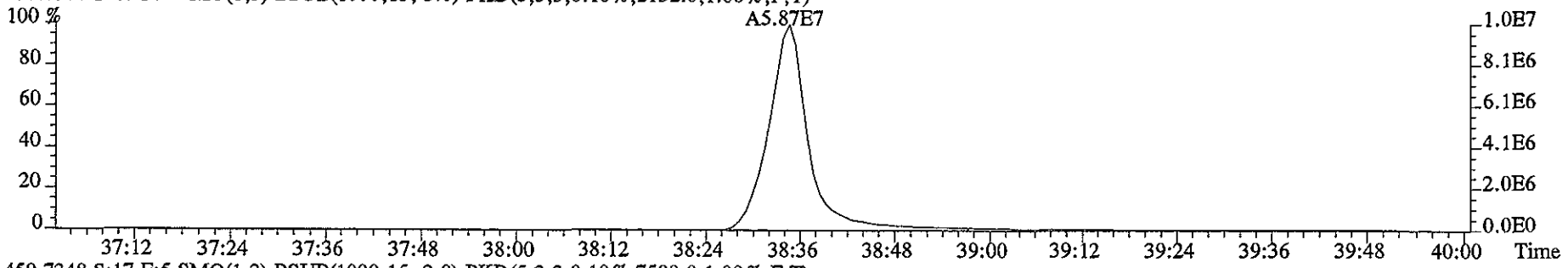
File:13MY104D5 #1-229 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A
441.7428 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1504.0,1.00%,F,T)



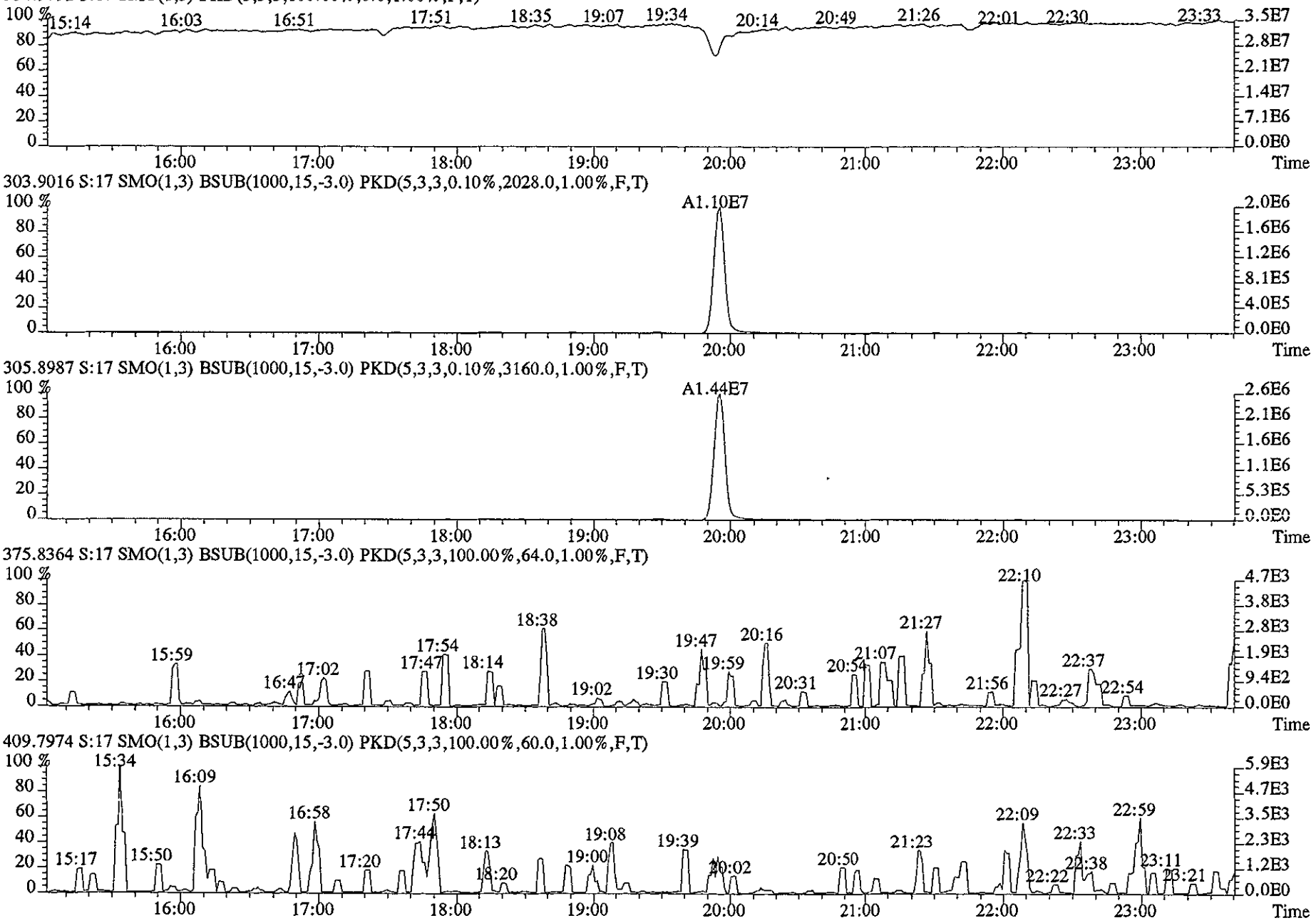
443.7399 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10724.0,1.00%,F,T)



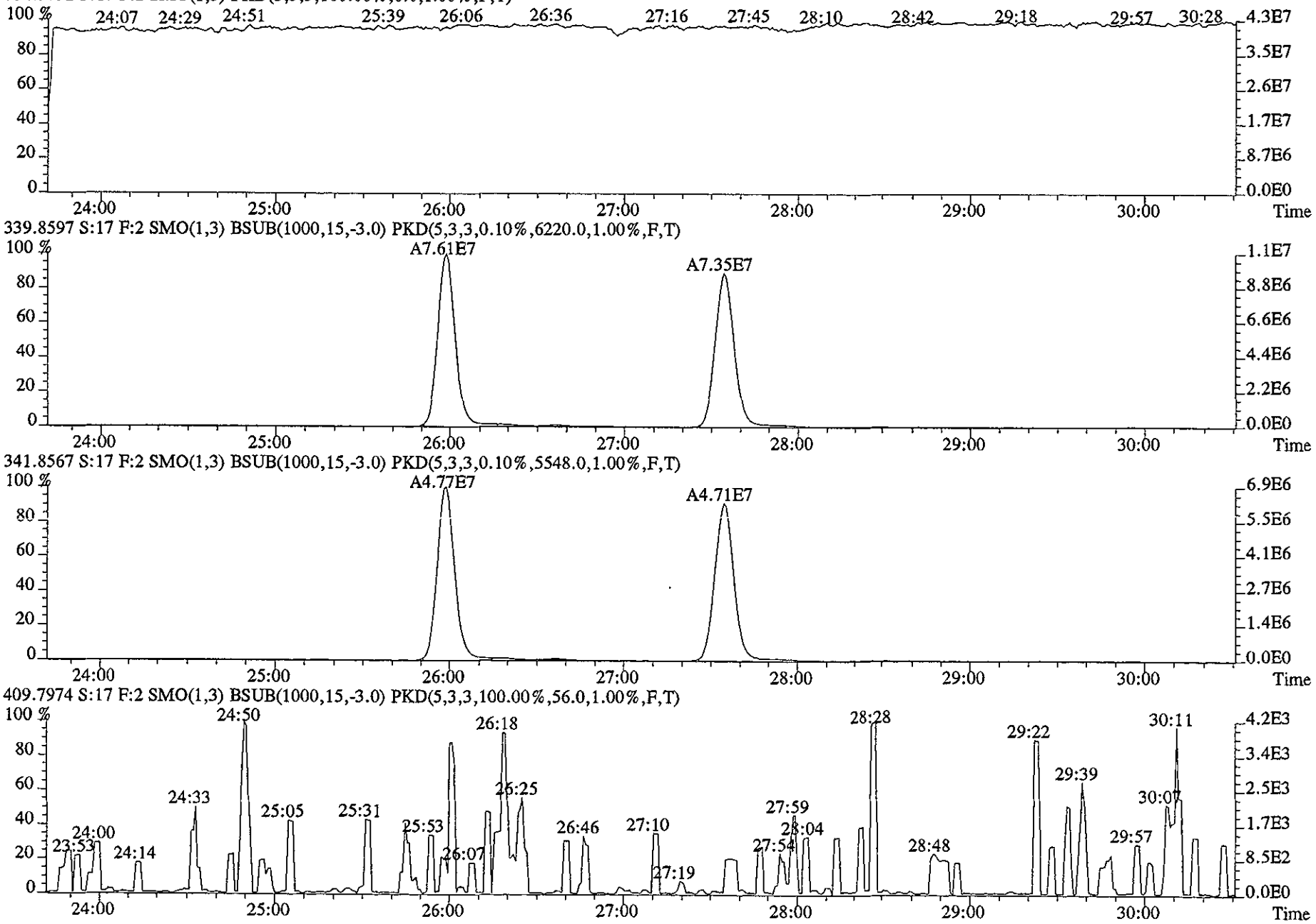
File:13MY104D5 #1-229 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A



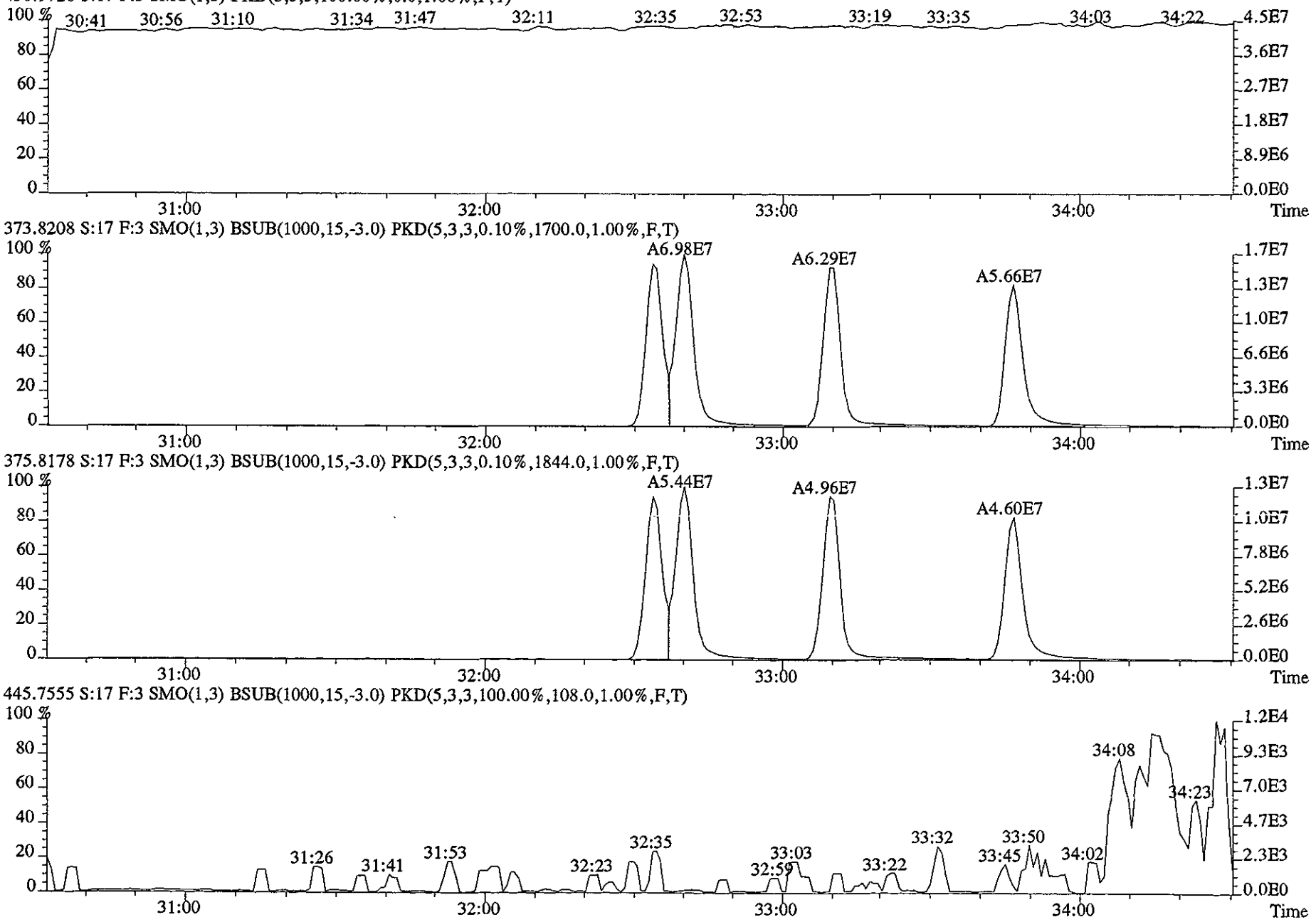
File:13MY104D5 #1-522 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A



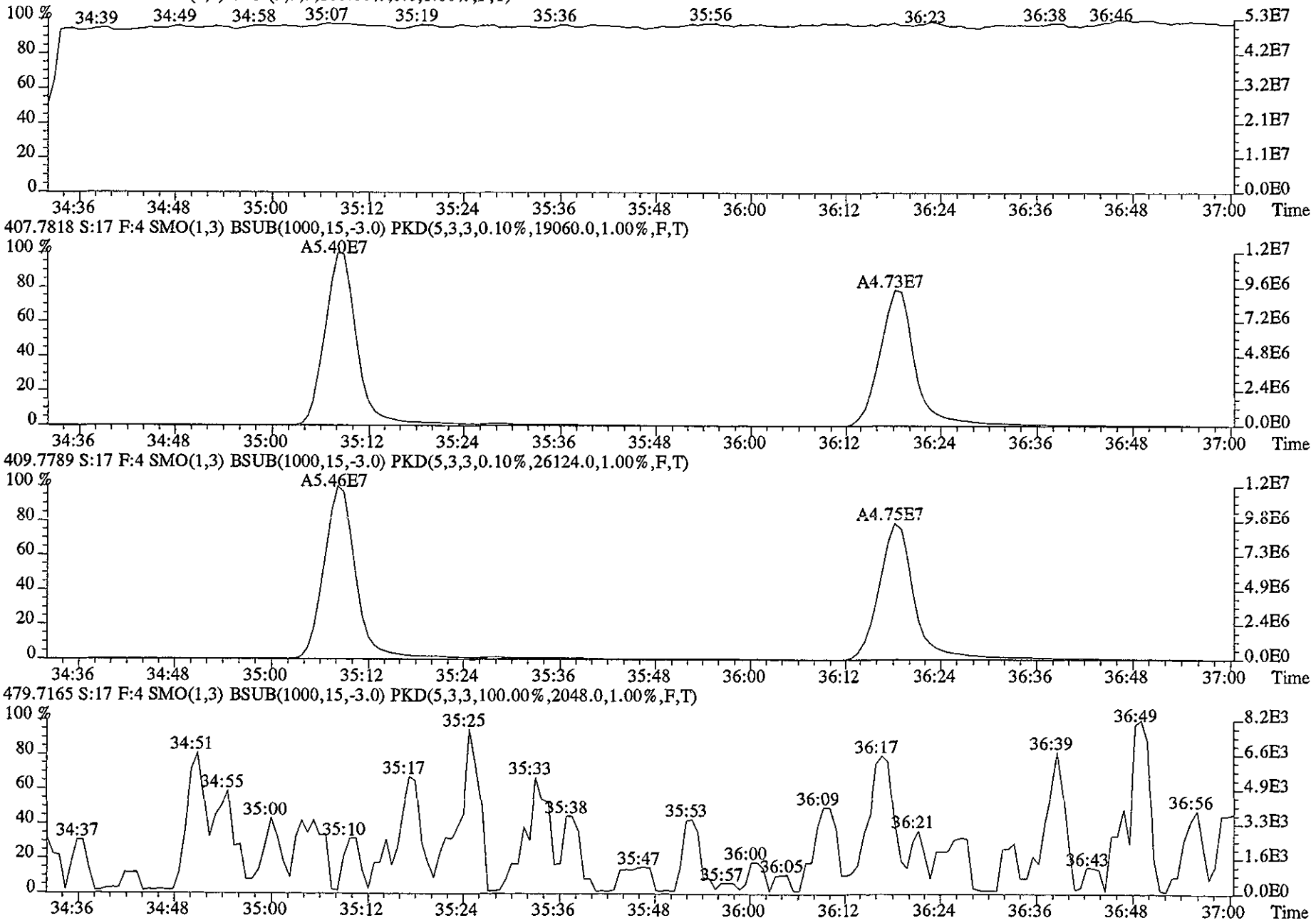
File:13MY104D5 #1-544 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A



File:13MY104D5 #1-301 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

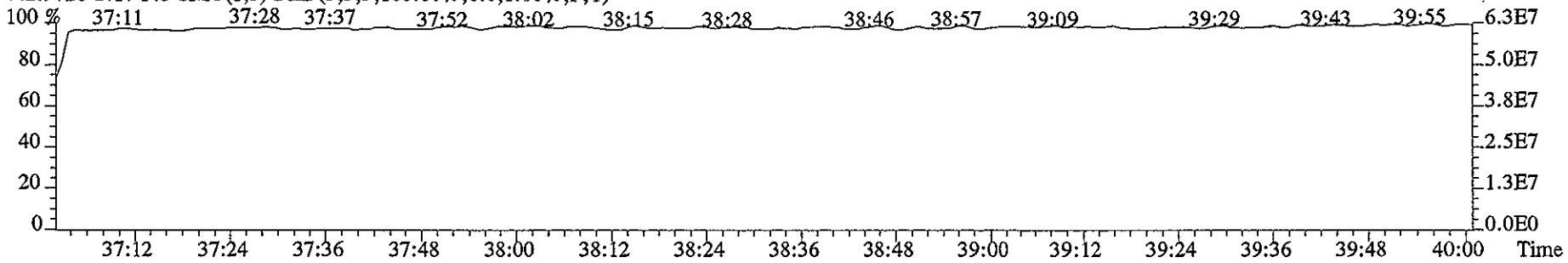


File:13MY104D5 #1-198 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

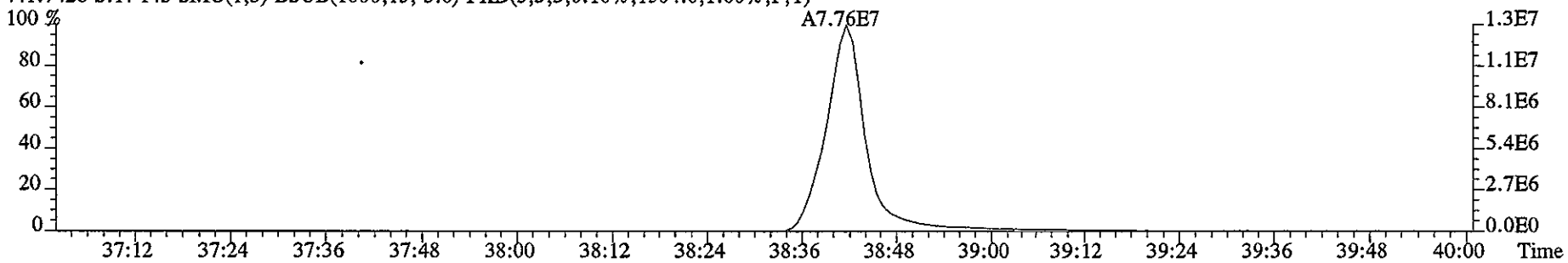


File:13MY104D5 #1-229 Acq:13-MAY-2010 22:45:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0513A :CS3 10DXN126 Exp:DIOXINRES8290A

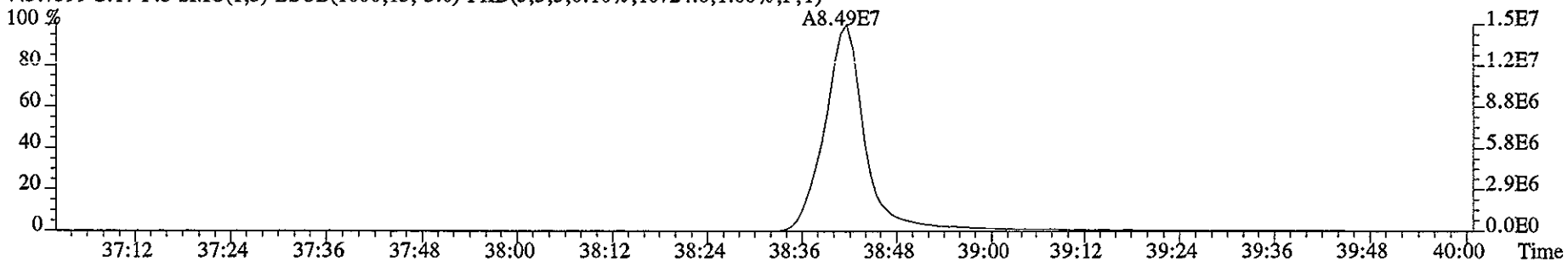
442.9728 S:17 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



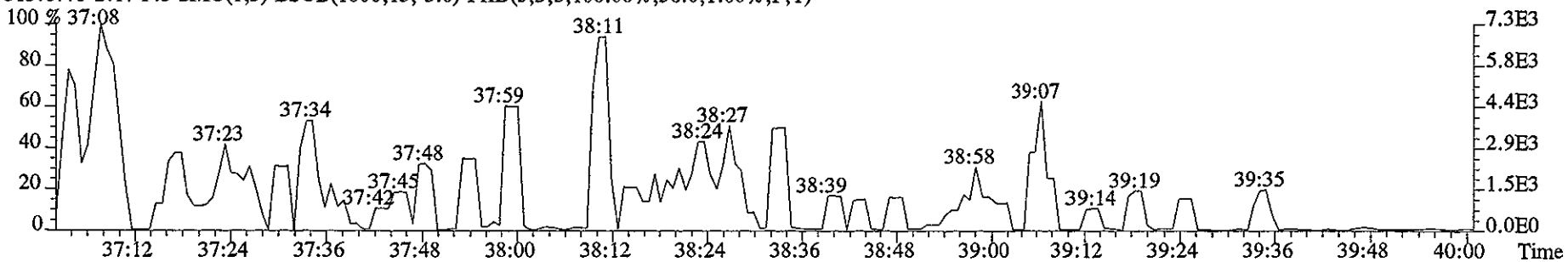
441.7428 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1504.0,1.00%,F,T)



443.7399 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10724.0,1.00%,F,T)



513.6775 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,56.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290A | **Associated ICAL** 8290A 0412104D5

Column ID DB5 | **Instrument ID** 4D5

STD ID STO507B, STO507C | **STD Solution** 10DXN126

Analyzed by KSS | **Date Analyzed** 05-08-10, 05-09-10

Std. Pkg. By AB | **Date Std. Pkg. Assembled** 05-10-10

Std. Pkg. Reviewed By KSS | **Date Std. Pkg. Reviewed** 05-10-10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See. Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** ***Method 23/0023A CPSM Criteria:*** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0507B File text: ST0507B :CS3 10DXN126
Run #36 Filename 07MY104D5 S: 35 I: 1
Acquired: 8-MAY-10 11:43:45 Processed: 8-MAY-10 12:39:56
Run: 07MY104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 07MY104D58290A

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	99675648	0.79	y	19:28	-	100.00	-	n
13C-2,3,7,8-TCDF	154754344	0.79	y	18:53	1.55	100.00	2.1	n
2,3,7,8-TCDF	15443919	0.76	y	18:54	1.00	10.00	5.6	n
Total TCDF	15556924	0.23	n	17:52	1.00	10.00	5.6	n
13C-2,3,7,8-TCDD	99952812	0.79	y	19:39	1.00	100.00	5.6	n
2,3,7,8-TCDD	9962554	0.76	y	19:40	1.00	10.00	-2.4	n
Total TCDD	9962554	0.76	y	19:40	1.00	10.00	-2.4	n
37Cl-2,3,7,8-TCDD	22739090	1.00	y	19:40	2.28	10.00	0.9	n
13C-1,2,3,7,8-PeCDF	99386140	1.57	y	24:31	1.00	100.00	-5.1	n
1,2,3,7,8-PeCDF	53576648	1.55	y	24:32	1.08	50.00	3.2	n
2,3,4,7,8-PeCDF	51380496	1.55	y	26:01	1.03	50.00	5.3	n
Total F2 PeCDF	105832915	2.16	n	22:60	1.06	100.00	4.2	n
Total F1 PeCDF	26406	0.17	n	15:49	1.06	100.00	4.2	n
13C-1,2,3,7,8-PeCDD	70532292	1.54	y	26:48	0.71	100.00	5.5	n
1,2,3,7,8-PeCDD	34318620	1.56	y	26:51	0.97	50.00	-0.9	n
Total PeCDD	34318620	1.56	y	26:51	0.97	50.00	-0.9	n
13C-1,2,3,7,8,9-HxCDD	73052932	1.27	y	33:04	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	70474810	0.53	y	31:54	0.96	100.00	-5.9	n
1,2,3,4,7,8-HxCDF	46500154	1.27	y	31:54	1.32	50.00	8.8	n
1,2,3,6,7,8-HxCDF	53994912	1.23	y	32:02	1.53	50.00	14.1	n
2,3,4,6,7,8-HxCDF	48005294	1.24	y	32:35	1.36	50.00	11.5	n
1,2,3,7,8,9-HxCDF	42066540	1.25	y	33:15	1.19	50.00	9.3	n
Total HxCDF	190566900	1.27	y	31:54	1.35	200.00	11.0	n
13C-1,2,3,6,7,8-HxCDD	67479946	1.28	y	32:48	0.92	100.00	14.5	n
1,2,3,4,7,8-HxCDD	30963883	1.25	y	32:44	0.92	50.00	-8.8	n
1,2,3,6,7,8-HxCDD	38976774	1.28	y	32:48	1.16	50.00	3.7	n
1,2,3,7,8,9-HxCDD	39407330	1.25	y	33:05	1.17	50.00	-3.4	n
Total HxCDD	109347987	1.25	y	32:44	1.08	150.00	-2.7	n
13C-1,2,3,4,6,7,8-HpCDF	61484822	0.44	y	34:35	0.84	100.00	-2.4	n
1,2,3,4,6,7,8-HpCDF	42940458	1.01	y	34:35	1.40	50.00	6.7	n
1,2,3,4,7,8,9-HpCDF	35221432	1.03	y	35:42	1.15	50.00	11.7	n
Total HpCDF	78161890	1.01	y	34:35	1.27	100.00	8.9	n
13C-1,2,3,4,6,7,8-HpCDD	57044858	1.05	y	35:23	0.78	100.00	12.0	n
1,2,3,4,6,7,8-HpCDD	30890508	1.02	y	35:24	1.08	50.00	1.0	n
Total HpCDD	31040716	0.97	y	34:51	1.08	50.00	1.0	n
13C-OCDD	85298908	0.91	y	37:53	0.58	200.00	9.9	n
OCDF	61862212	0.92	y	38:00	1.45	100.00	0.4	n
OCDD	51107460	0.89	y	37:53	1.20	100.00	2.7	n

Run text: ST0507C File text: ST0507C :CS3 10DXN126
Run #51 Filename 07MY104D5 S: 52 I: 1
Acquired: 9-MAY-10 00:12:28 Processed: 9-MAY-10 10:43:03
Run: 07MY104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 07MY104D58290A

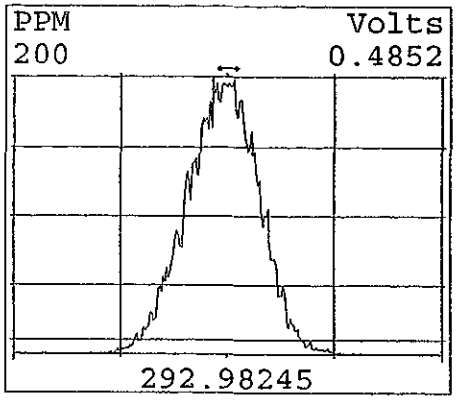
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	95346656	0.81 y	19:26	-	100.00	-	n
13C-2,3,7,8-TCDF	157975056	0.79 y	18:52	1.66	100.00	9.0	n
2,3,7,8-TCDF	15953088	0.77 y	18:54	1.01	10.00	6.8	n
Total TCDF	16130636	0.70 y	17:02	1.01	10.00	6.8	n
13C-2,3,7,8-TCDD	96393524	0.79 y	19:39	1.01	100.00	6.5	n
2,3,7,8-TCDD	9254967	0.75 y	19:40	0.96	10.00	-6.0	n
Total TCDD	9307855	0.75 y	19:40	0.96	10.00	-6.0	n
37Cl-2,3,7,8-TCDD	21441172	1.00 y	19:40	2.25	10.00	-0.6	n
13C-1,2,3,7,8-PeCDF	99604076	1.55 y	24:30	1.04	100.00	-0.5	n
1,2,3,7,8-PeCDF	53205848	1.58 y	24:32	1.07	50.00	2.3	n
2,3,4,7,8-PeCDF	52035676	1.58 y	26:01	1.04	50.00	6.4	n
Total F2 PeCDF	106786697	1.16 n	23:00	1.06	100.00	4.3	n
Total F1 PeCDF	33178	1.63 y	20:16	1.06	100.00	4.3	n
13C-1,2,3,7,8-PeCDD	72237730	1.53 y	26:48	0.76	100.00	13.0	n
1,2,3,7,8-PeCDD	34732109	1.57 y	26:50	0.96	50.00	-2.1	n
Total PeCDD	34732109	1.57 y	26:50	0.96	50.00	-2.1	n
13C-1,2,3,7,8,9-HxCDD	72832458	1.27 y	33:04	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	71733784	0.53 y	31:53	0.98	100.00	-3.9	n
1,2,3,4,7,8-HxCDF	46358636	1.24 y	31:54	1.29	50.00	6.6	n
1,2,3,6,7,8-HxCDF	52214248	1.26 y	32:01	1.46	50.00	8.4	n
2,3,4,6,7,8-HxCDF	47066216	1.25 y	32:35	1.31	50.00	7.4	n
1,2,3,7,8,9-HxCDF	41886808	1.25 y	33:14	1.17	50.00	6.9	n
Total HxCDF	187525908	1.24 y	31:54	1.31	200.00	7.4	n
13C-1,2,3,6,7,8-HxCDD	65287328	1.27 y	32:47	0.90	100.00	11.1	n
1,2,3,4,7,8-HxCDD	29985768	1.25 y	32:44	0.92	50.00	-8.8	n
1,2,3,6,7,8-HxCDD	37333395	1.29 y	32:48	1.14	50.00	2.7	n
1,2,3,7,8,9-HxCDD	38312276	1.28 y	33:04	1.17	50.00	-2.9	n
Total HxCDD	105837608	1.25 y	32:44	1.08	150.00	-2.8	n
13C-1,2,3,4,6,7,8-HpCDF	59545612	0.43 y	34:35	0.82	100.00	-5.2	n
1,2,3,4,6,7,8-HpCDF	41488264	1.00 y	34:35	1.39	50.00	6.4	n
1,2,3,4,7,8,9-HpCDF	34390796	1.00 y	35:42	1.16	50.00	12.6	n
Total HpCDF	75879060	1.00 y	34:35	1.27	100.00	9.1	n
13C-1,2,3,4,6,7,8-HpCDD	56038538	1.05 y	35:23	0.77	100.00	10.3	n
1,2,3,4,6,7,8-HpCDD	30040433	1.03 y	35:23	1.07	50.00	0.0	n
Total HpCDD	30144216	0.84 n	34:50	1.07	50.00	0.0	n
13C-OCDD	86175736	0.93 y	37:53	0.59	200.00	11.3	n
OCDF	63128388	0.93 y	37:60	1.47	100.00	1.4	n
OCDD	51099342	0.90 y	37:53	1.19	100.00	1.7	n

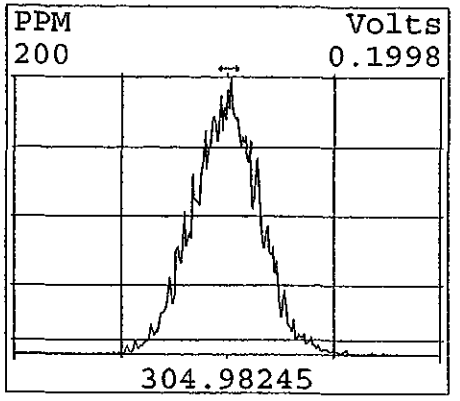
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
07MY104D5	1	ST0507	CS3 10DXN111				1.00000	
07MY104D5	2	CP0507	DB-5 CPSM 3732-05				1.00000	
07MY104D5	3	SB0507	Solvent Blank C-14				1.00000	
07MY104D5	4	L01AK-1-AAB	G0E040000-412 [561-1MB]	20	8290/WATER	92	1.00000	L
07MY104D5	5	L01AK-1-ACC	G0E040000-412 [561-1LCS]	20	8290/WATER		1.00000	L
07MY104D5	6	L0VQD-1-AC	G0D300651-21	20	8290/WATER		1.01610	L
07MY104D5	7	L0VQE-1-AC	G0D300651-22	20	8290/WATER		1.01910	L
07MY104D5	8	L00V1-1-ACC	G0D300651-1LCS	20	8290/SOLID		10.00000	g
07MY104D5	9	L00V1-1-AAB	G0D300651-1MB	20	8290/SOLID		10.00000	g
07MY104D5	10	L0VPN-1-AD	G0D300651-1	20	8290/SOLID		10.94000	g
07MY104D5	11	L0VPP-1-AD	G0D300651-2	20	8290/SOLID		10.64000	g
07MY104D5	12	L0VPQ-1-AD	G0D300651-3	20	8290/SOLID		10.59000	g
07MY104D5	13	L0VPR-1-AD	G0D300651-4	20	8290/SOLID		10.45000	g
07MY104D5	14	L0VPT-1-AD	G0D300651-5	20	8290/SOLID		10.00000	g
07MY104D5	15	L0VPV-1-AD	G0D300651-6	20	8290/SOLID		10.12000	g
07MY104D5	16	L0VPW-1-AD	G0D300651-7	20	8290/SOLID		10.89000	g
07MY104D5	17	SB0507A	Solvent Blank C-14				1.00000	
07MY104D5	18	ST0507A	CS3 10DXN111				1.00000	
07MY104D5	19	CP0507A	DB-5 CPSM 3732-05				1.00000	
07MY104D5	20	SB0507B	Solvent Blank C-14				1.00000	
07MY104D5	21	L0VPX-1-AD	G0D300651-8	20	8290/SOLID	92	10.26000	g
07MY104D5	22	L0VP0-1-AD	G0D300651-9	20	8290/SOLID		10.25000	g
07MY104D5	23	L0VP1-1-AD	G0D300651-10	20	8290/SOLID		10.63000	g
07MY104D5	24	L0VP2-1-AD	G0D300651-11	20	8290/SOLID		10.10000	g
07MY104D5	25	L0VP3-1-AD	G0D300651-12	20	8290/SOLID		10.24000	g
07MY104D5	26	L0VP4-1-AD	G0D300651-13	20	8290/SOLID		10.57000	g
07MY104D5	27	L0VP5-1-AD	G0D300651-14	20	8290/SOLID		10.16000	g
07MY104D5	28	L0VP6-1-AD	G0D300651-15	20	8290/SOLID		10.17000	g
07MY104D5	29	L0VP7-1-AD	G0D300651-16	20	8290/SOLID		10.00000	g
07MY104D5	30	L0VP8-1-AD	G0D300651-17	20	8290/SOLID		10.74000	g
07MY104D5	31	L0VP9-1-AD	G0D300651-18	20	8290/SOLID		10.01000	g
07MY104D5	32	L0VQA-1-AD	G0D300651-19	20	8290/SOLID		10.05000	g
07MY104D5	33	L0VQC-1-AD	G0D300651-20	20	8290/SOLID		10.00000	g
07MY104D5	34	SB0507C	Solvent Blank C-14				1.00000	
07MY104D5	35	ST0507B	CS3 10DXN126				1.00000	
07MY104D5	36	CP0507B	DB-5 CPSM 3732-05				1.00000	
07MY104D5	37	SB0507D	Solvent Blank C-14				1.00000	
07MY104D5	38	LX5XK-1-AC	G0D170485-1	10	8290/SOLID	77	10.09000	g
07MY104D5	39	LX5XP-1-AC	G0D170485-5	10	8290/SOLID		10.08000	g
07MY104D5	40	LX5XR-1-AC	G0D170485-6	10	8290/SOLID		10.14000	g
07MY104D5	41	LX5X6-1-AE	G0D170485-15	10	8290/SOLID	80	10.24000	g
07MY104D5	42	LX50A-1-AE	G0D170485-18	10	8290/SOLID		10.55000	g
07MY104D5	43	LX525-1-AD	G0D170492-2	10	8290/SOLID	79	10.28000	g
07MY104D5	44	LX53G-1-AD	G0D170492-12	10	8290/SOLID		10.23000	g
07MY104D5	45	LX732-1-AC	G0D200427-9	10	8290/SOLID		10.24000	g
07MY104D5	46	LX74C-1-AC	G0D200427-11	10	8290/SOLID		10.14000	g
07MY104D5	47	LX74K-1-AC	G0D200427-13	10	8290/SOLID		10.16000	g
07MY104D5	48	LX74R-1-AC	G0D200427-15	10	8290/SOLID		10.13000	g
07MY104D5	49	LX743-1-AC	G0D200427-17	10	8290/SOLID		10.35000	g
07MY104D5	50	SB0507E	Solvent Blank C-14				1.00000	
07MY104D5	51	QC0506	1613/8290 CRS 10DXN143	20	1613/8290/QC	QC52	1.00000	QC
07MY104D5	52	ST0507C	CS3 10DXN126				1.00000	
07MY104D5	53	CP0507C	DB-5 CPSM 3732-05 - LOST LOCK - BAD INJECTION				1.00000	

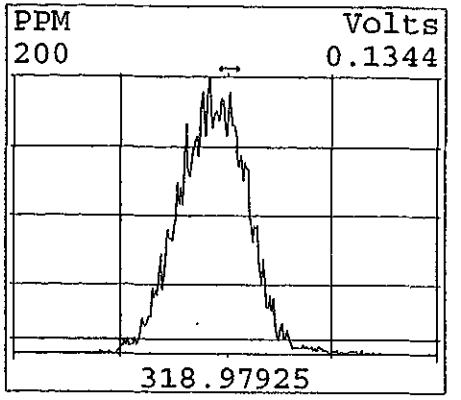
07MY104D5	54	SB0507F	~~Solvent Blank C-14~~				1.00000
07MY104D5	55	L0GXR-1-AAB	G0D240000-086 (503-12MB)	20	8290/SOLID	82	10.00000 g
07MY104D5	56	L0GXR-1-ACC	G0D240000-086 (503-LCS)	20	8290/SOLID		10.00000 g
07MY104D5	57	LX8PM-1-AC	F0D200503-12	20	8290/SOLID		10.01000 g
7MY104D5	58	LX8PN-1-AC	F0D200503-13	20	8290/SOLID		10.12500 g
7MY104D5	59	LX8PQ-1-AC	F0D200503-14	20	8290/SOLID		10.10000 g
07MY104D5	60	LX8PW-1-AC	F0D200503-15 RA	20	8290/SOLID		10.06000 g
07MY104D5	61	LX8P2-1-AC	F0D200503-16	20	8290/SOLID		10.15500 g
07MY104D5	62	LX8P2-1-AGS	F0D200503-16S	20	8290/SOLID		10.10500 g
07MY104D5	63	LX8P2-1-AHD	F0D200503-16D	20	8290/SOLID		10.16000 g
07MY104D5	64	LX8RR-1-AC	F0D200503-17	20	8290/SOLID		10.08000 g
07MY104D5	65	LX8TV-1-CG	F0D200503-18	20	8290/SOLID		10.01000 g
07MY104D5	66	SB0507G	~~Solvent Blank C-14~~				1.00000
~~07MY104D5~~	~~67~~	~~ST0507D~~	~~CS3 10DXN126~~ lost lock				1.00000
07MY104D5	68	CP0507D	DB-5 CPSM 3732-05				1.00000
07MY104D5	69	SB0507H	~~Solvent Blank C-14~~				1.00000
07MY104D5	70						1.00000
07MY104D5	71						1.00000
07MY104D5	72						1.00000
07MY104D5	73		KSS AS 05-07-10				1.00000
07MY104D5	74						1.00000

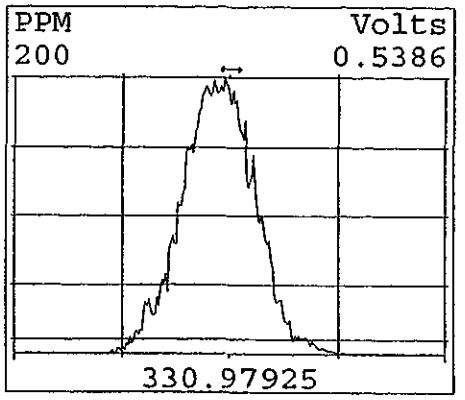
Logfile Rcd
05-09-10 KSS

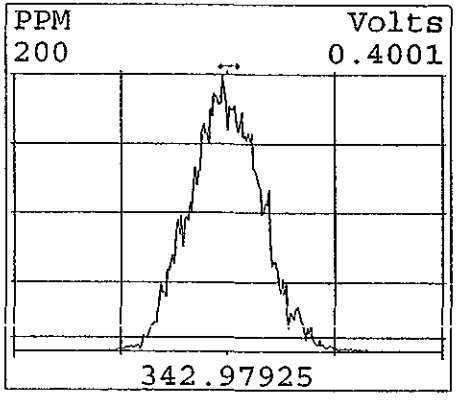
Peak Locate Examination: 7-MAY-2010:10:43 File:07MY104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

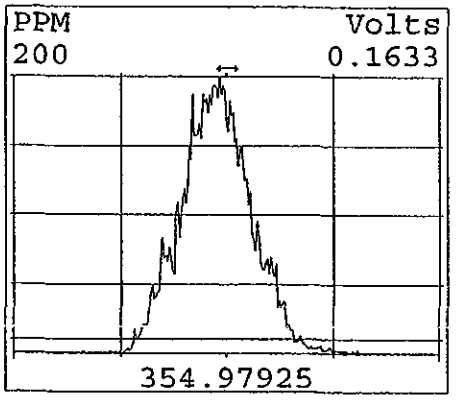


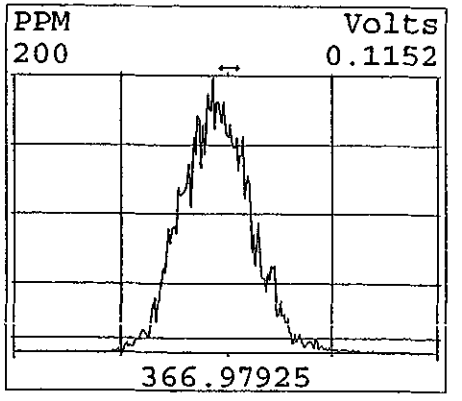


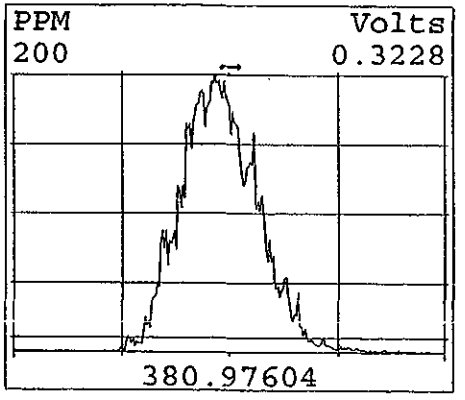


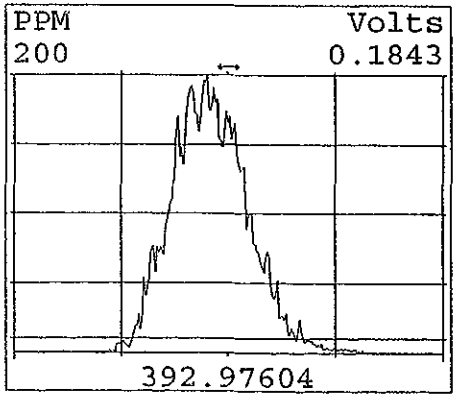


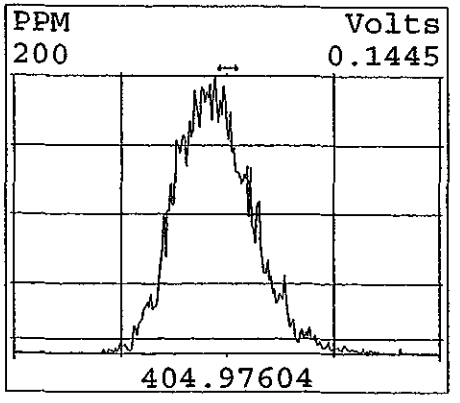


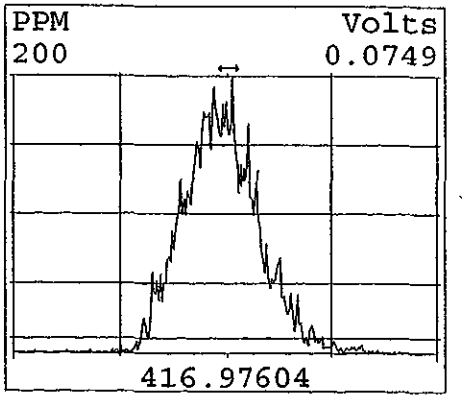




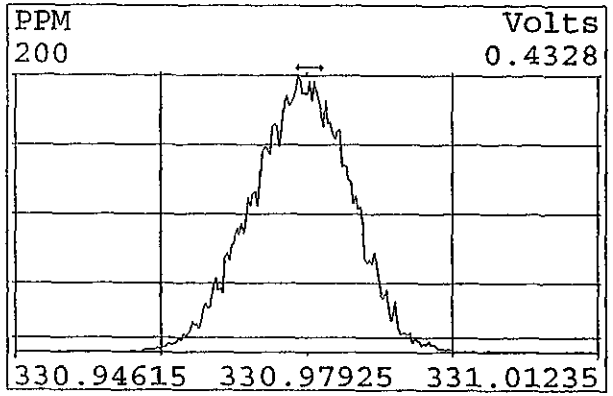


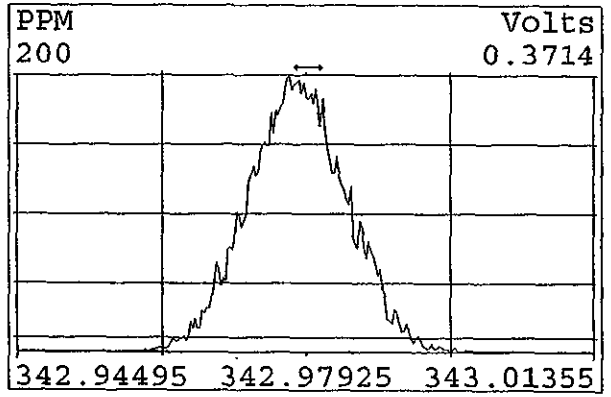


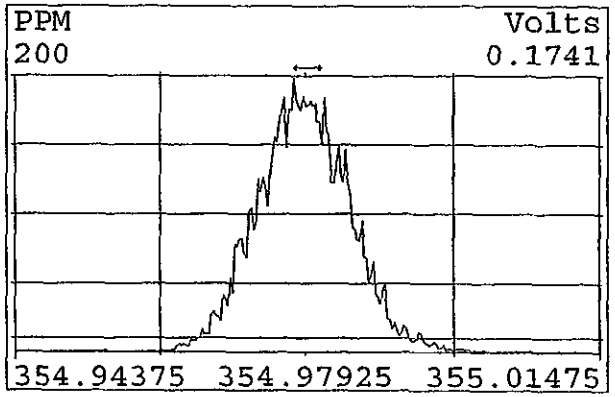


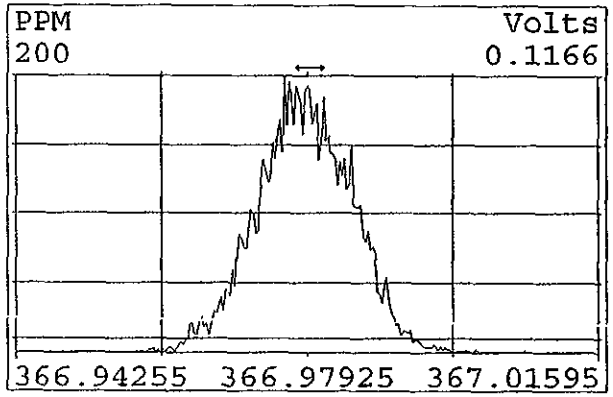


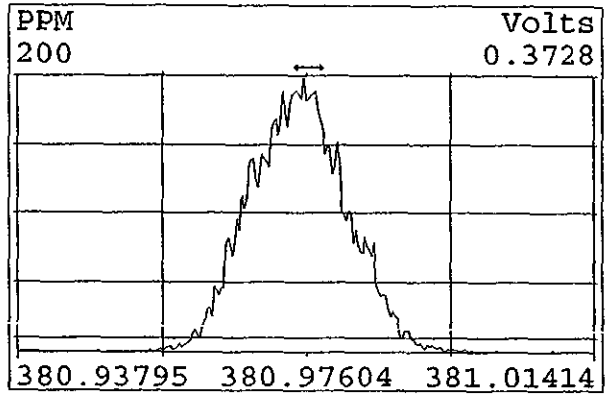
Peak Locate Examination: 7-MAY-2010:10:43 File:07MY104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

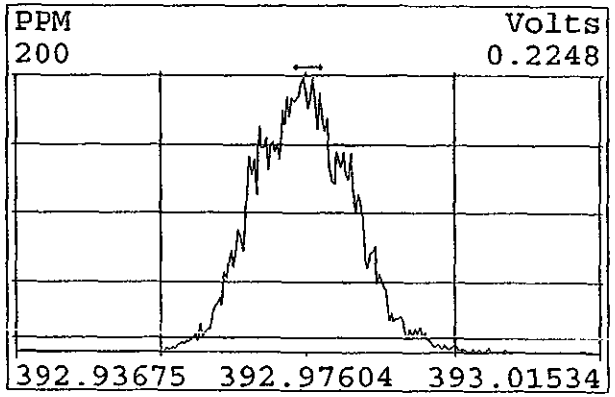


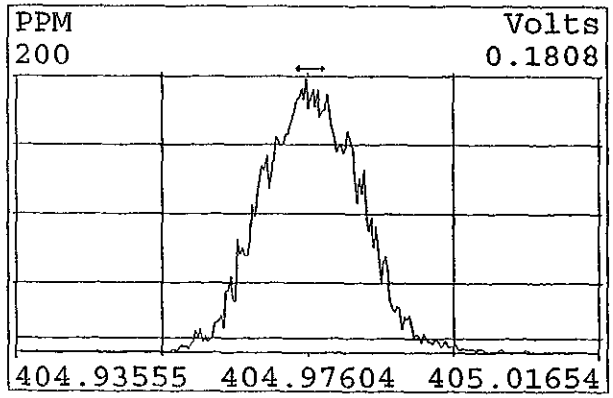


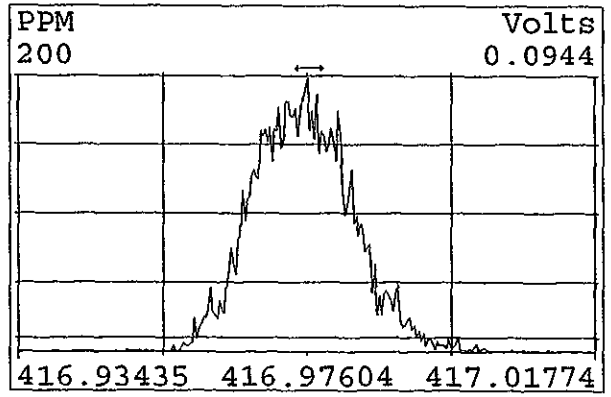




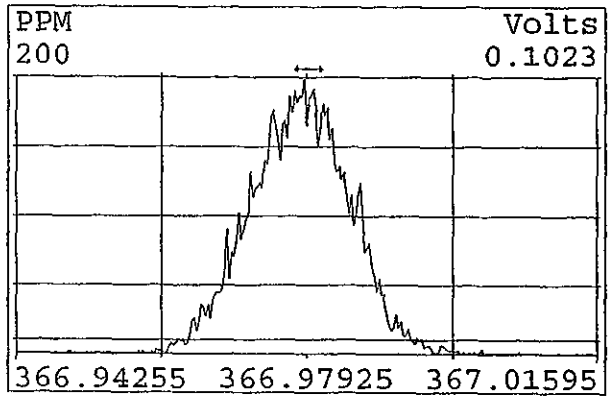


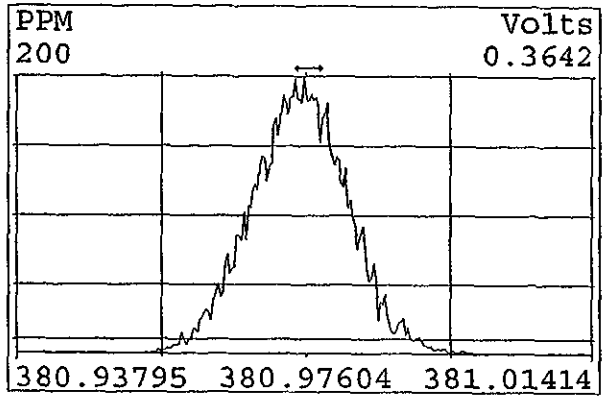


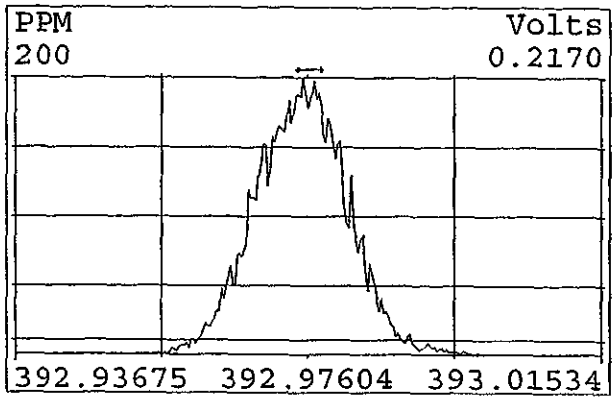


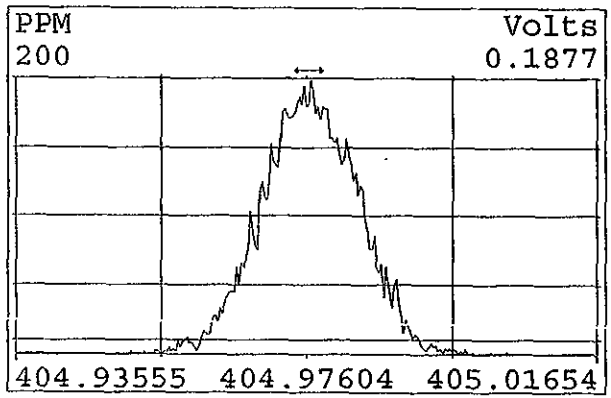


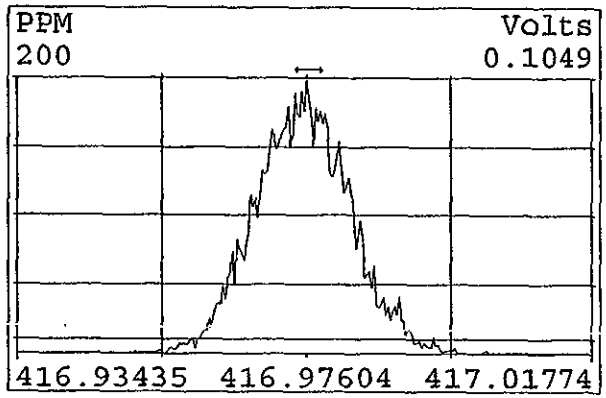
Peak Locate Examination: 7-MAY-2010:10:44 File:07MY104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

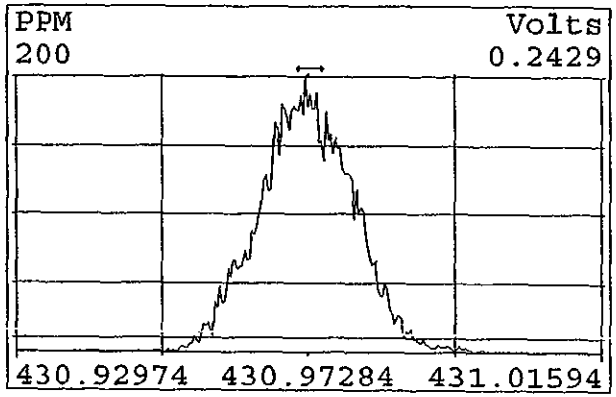


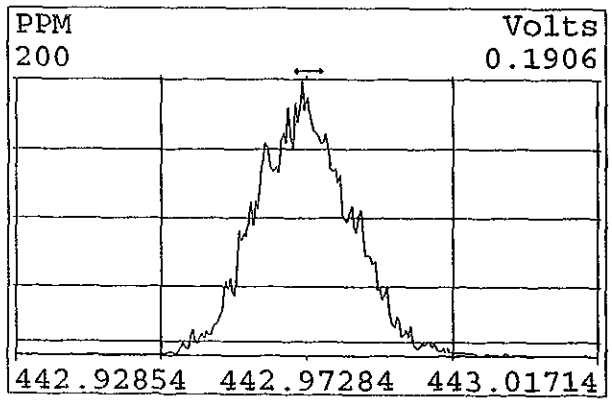


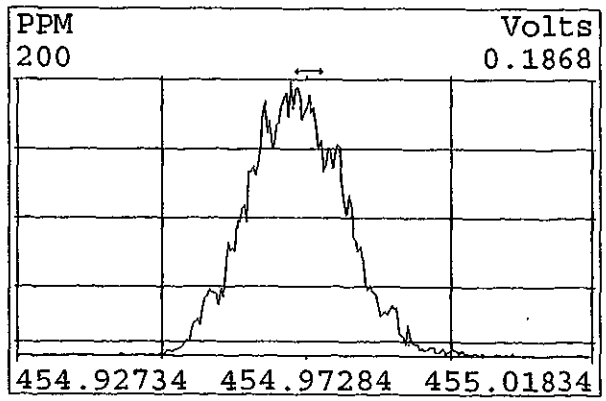




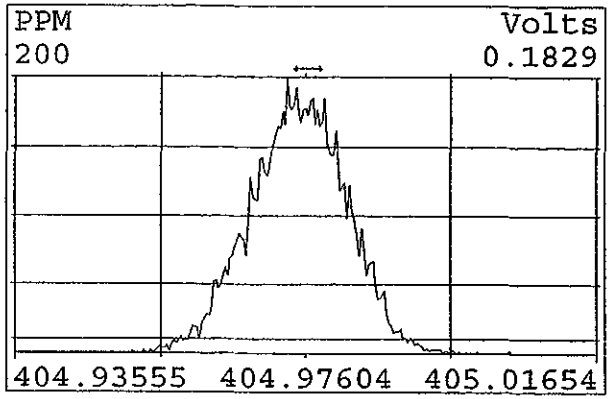


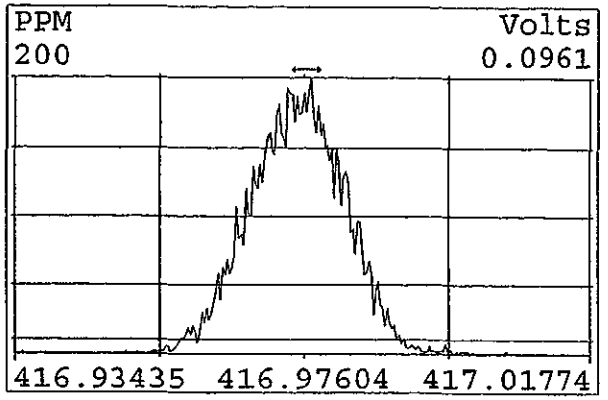


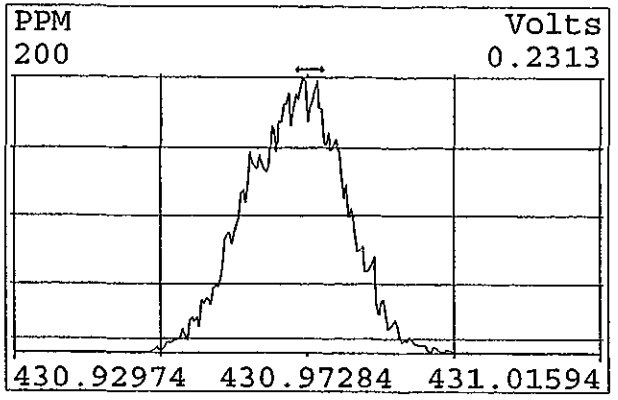


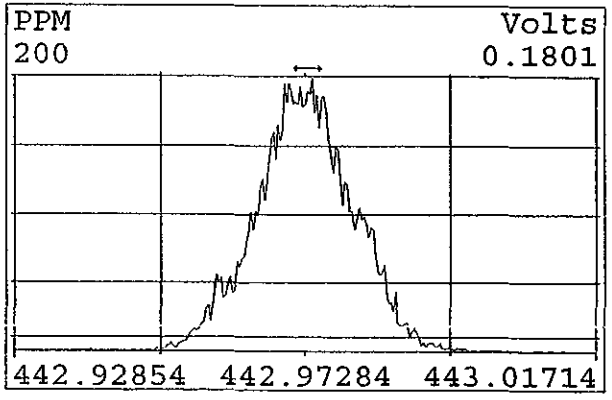


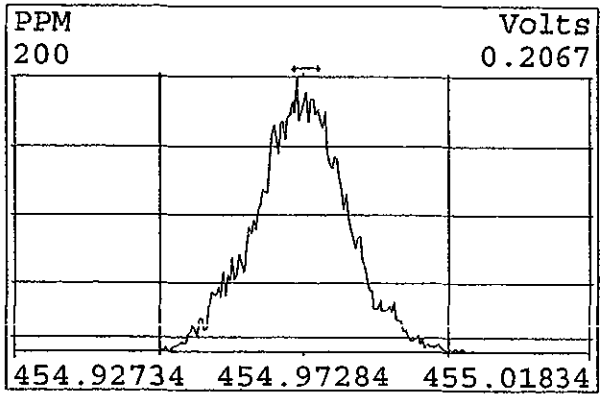
Peak Locate Examination: 7-MAY-2010:10:44 File:07MY104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

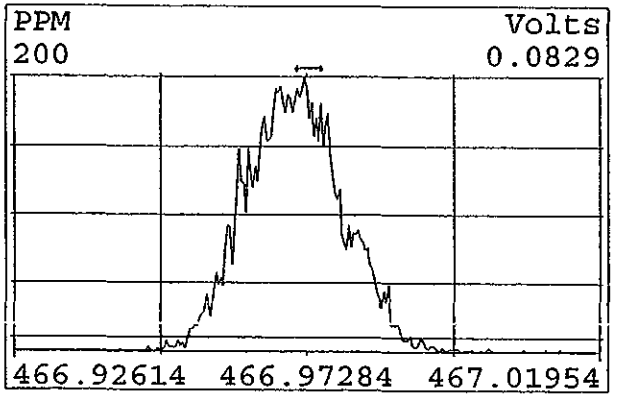


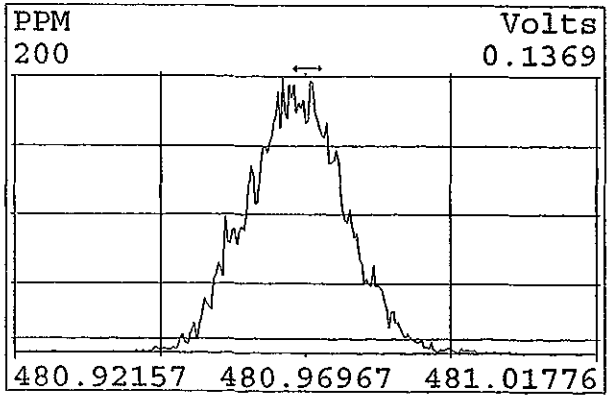




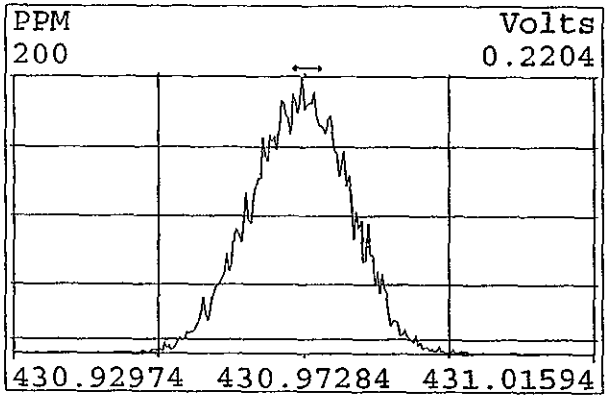


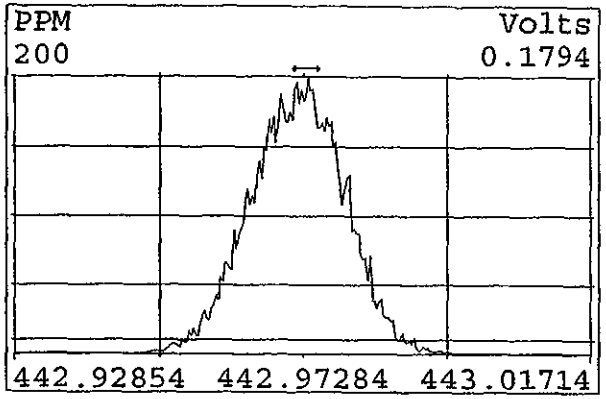


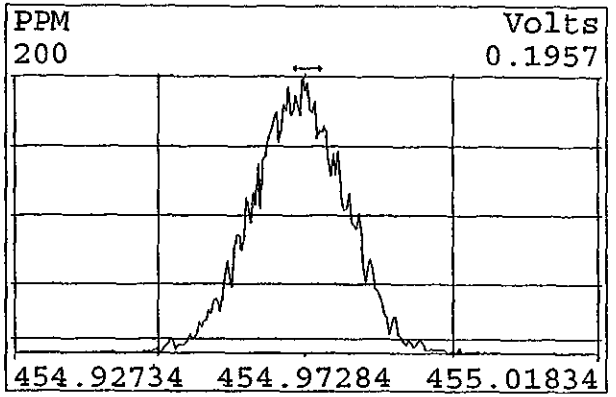


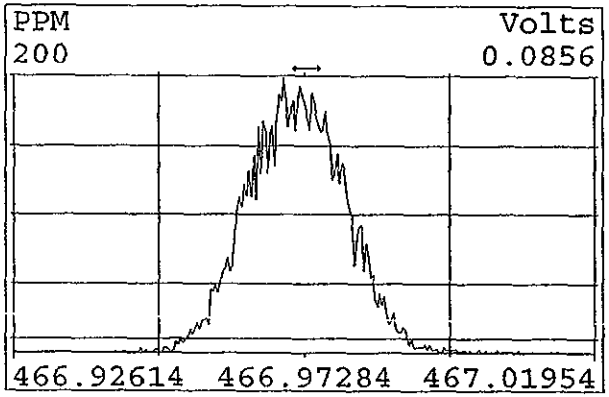


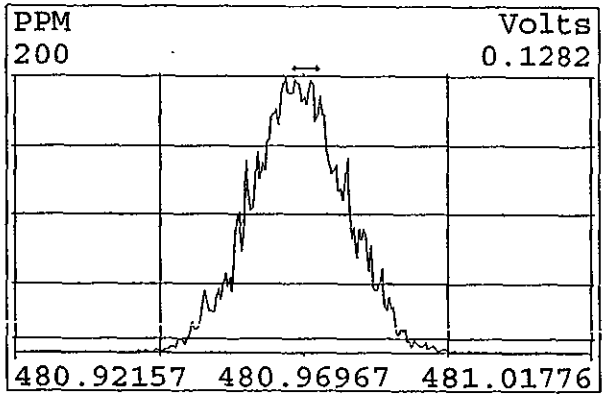
Peak Locate Examination: 7-MAY-2010:10:45 File:07MY104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

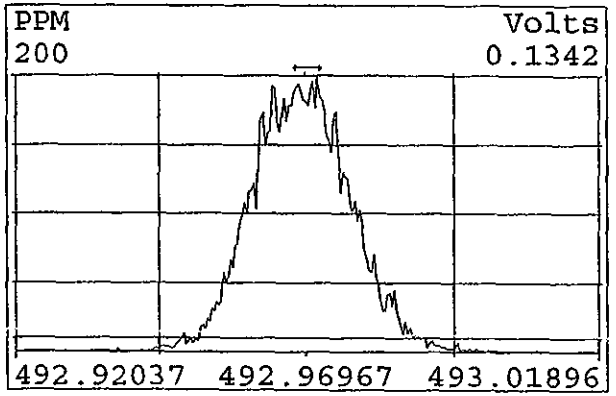


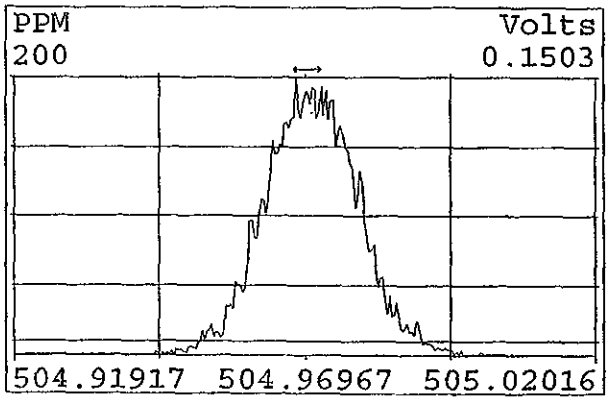


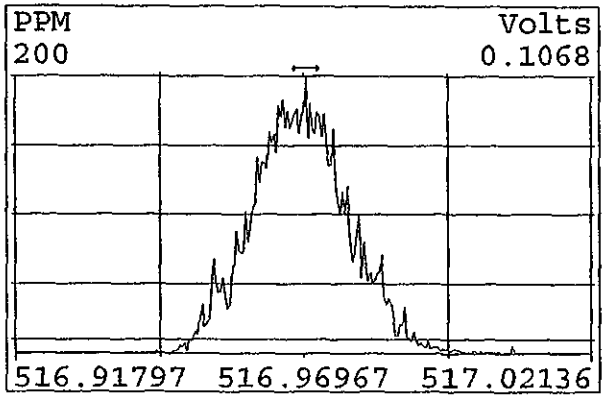




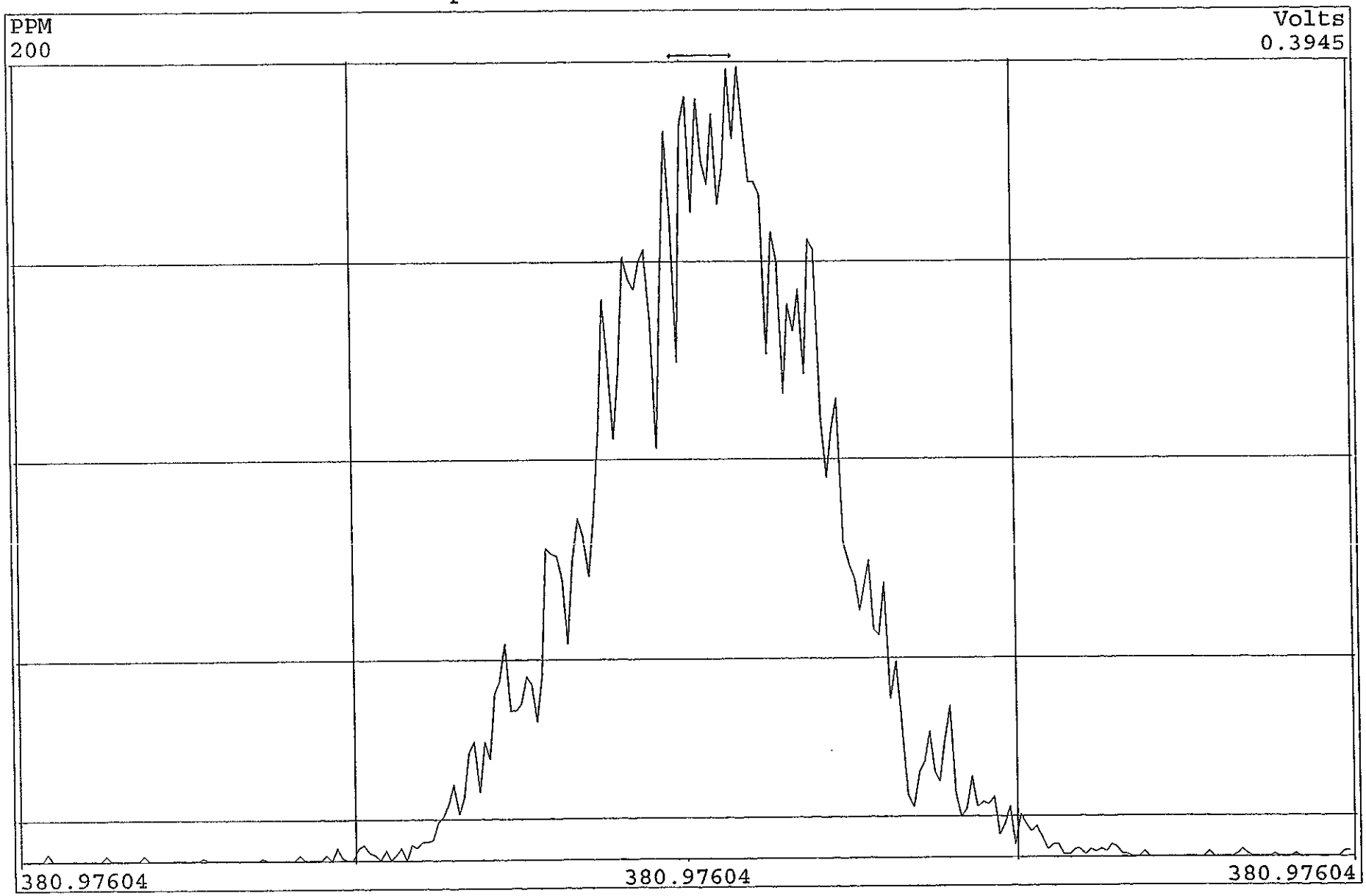




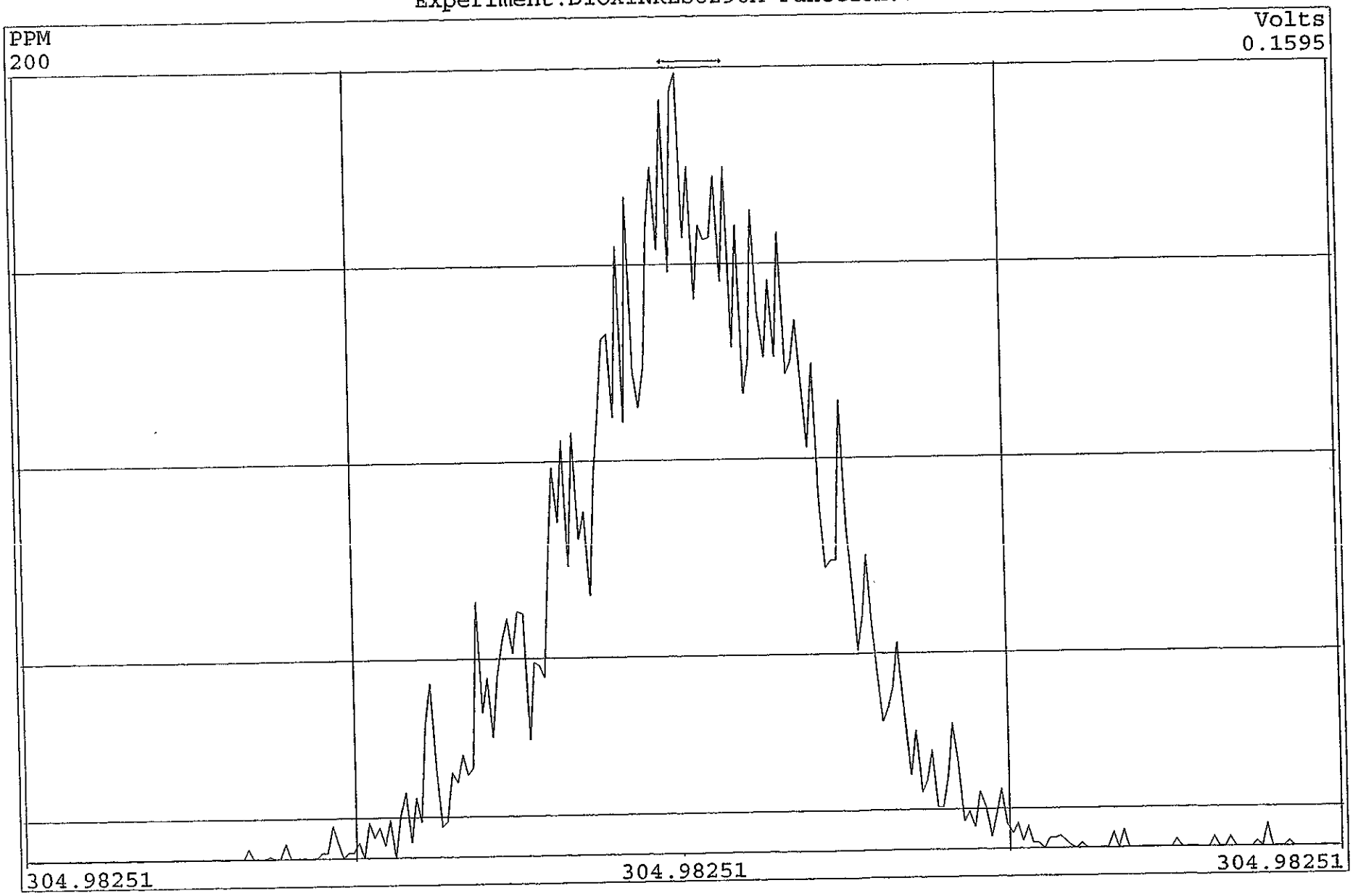




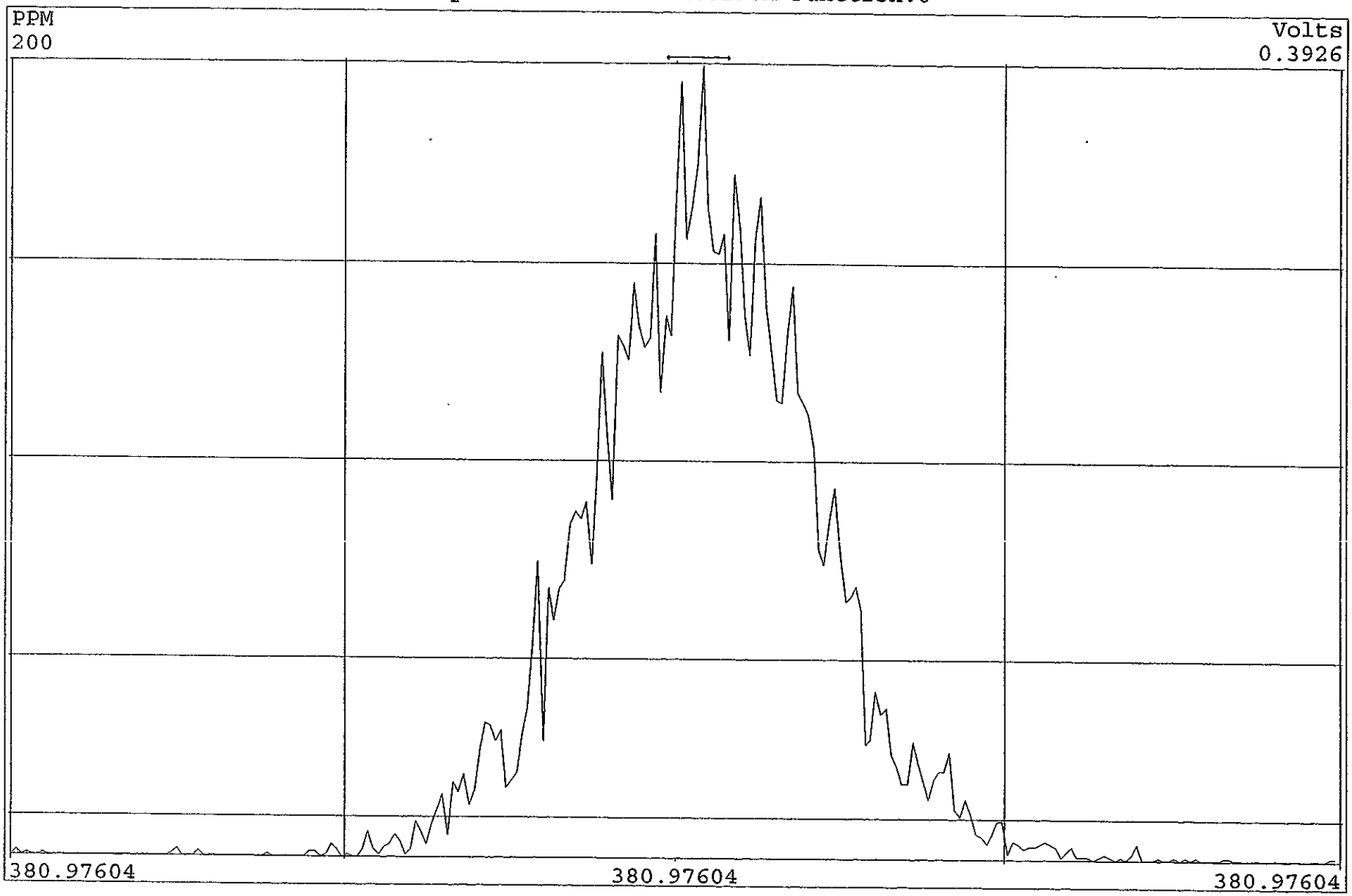
SIRLM Examination: 7-MAY-2010:22:27 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



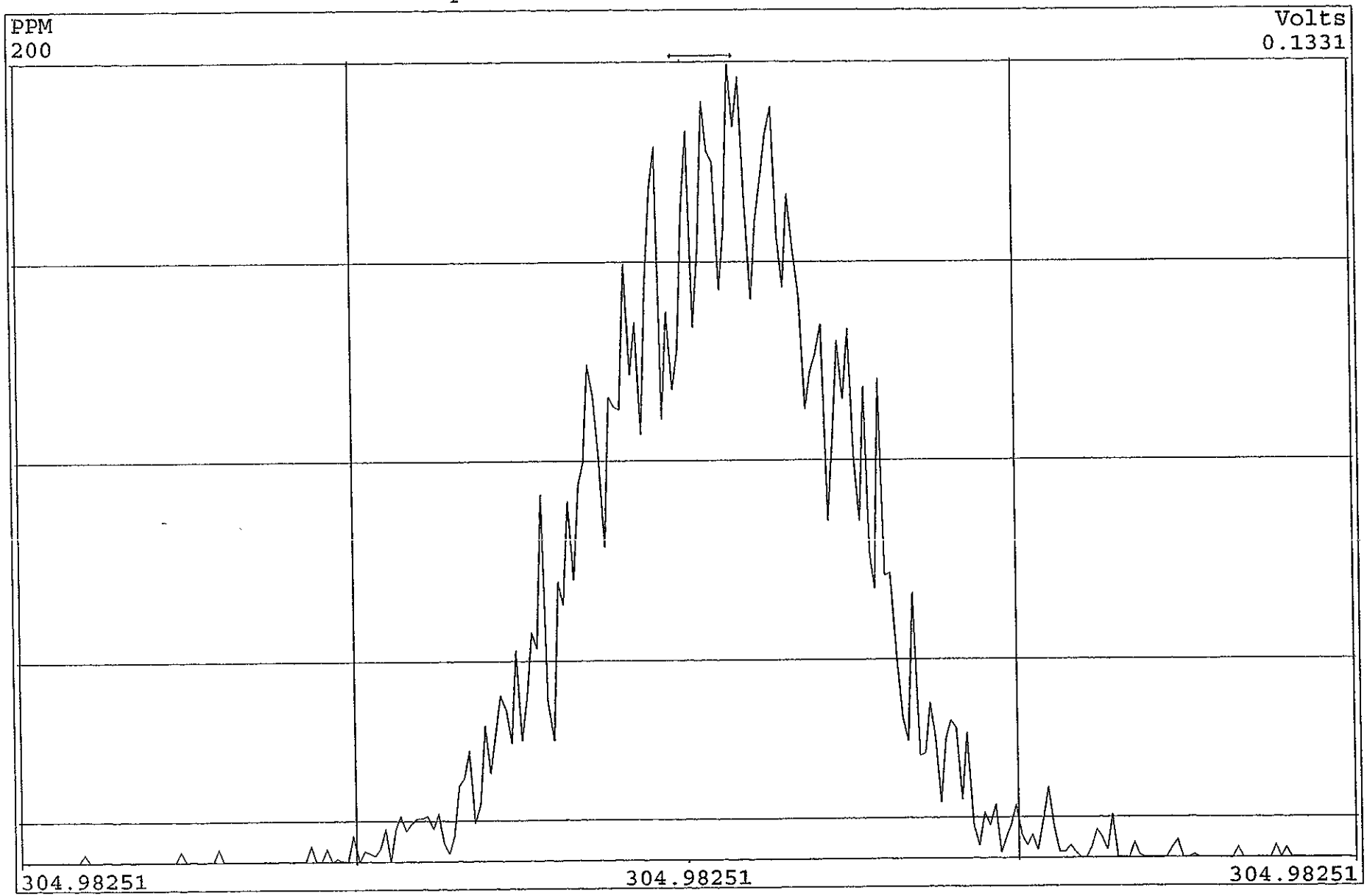
SIRLM Examination: 7-MAY-2010:22:28 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



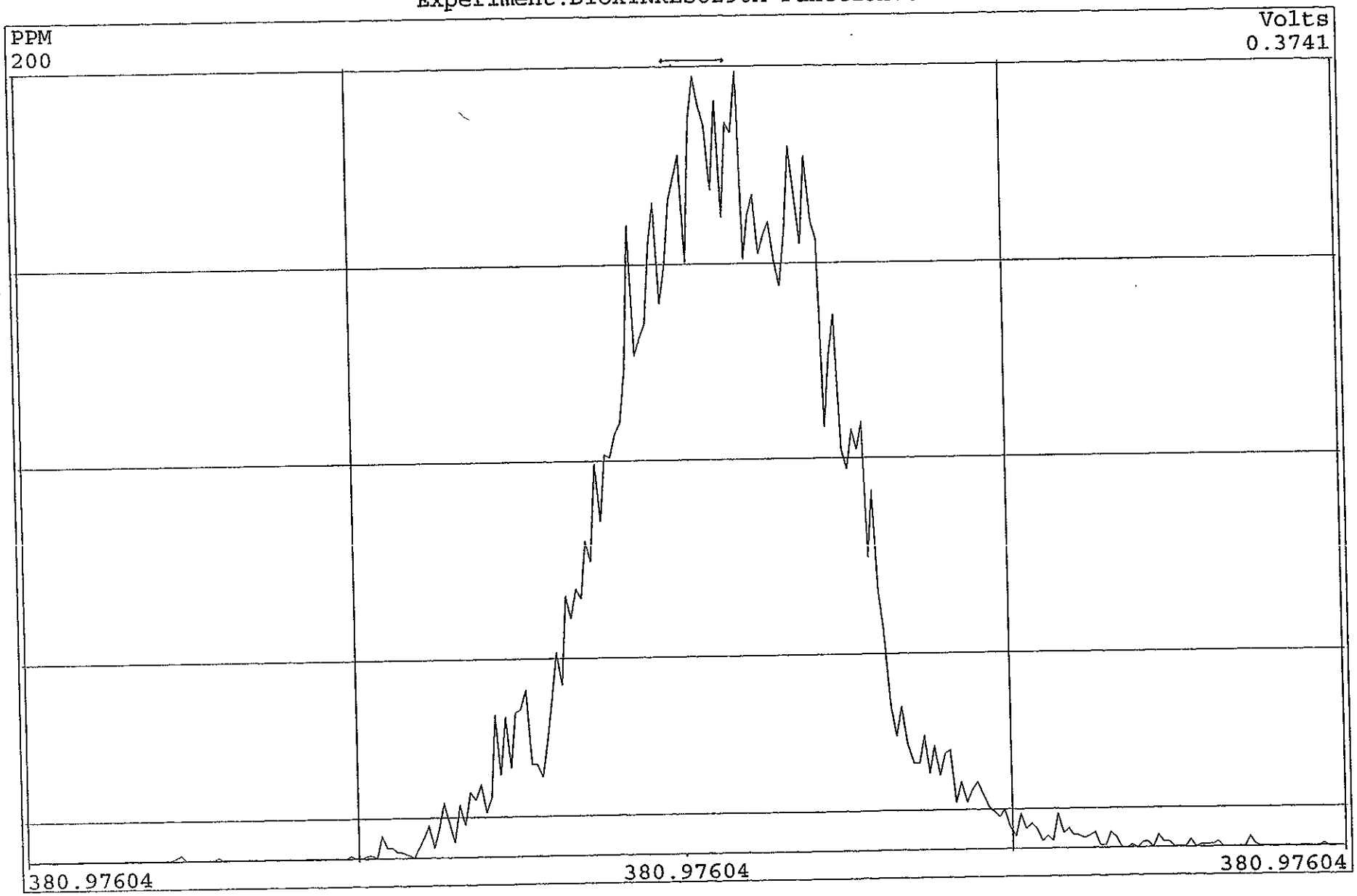
SIRLM Examination: 8-MAY-2010:07:59 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



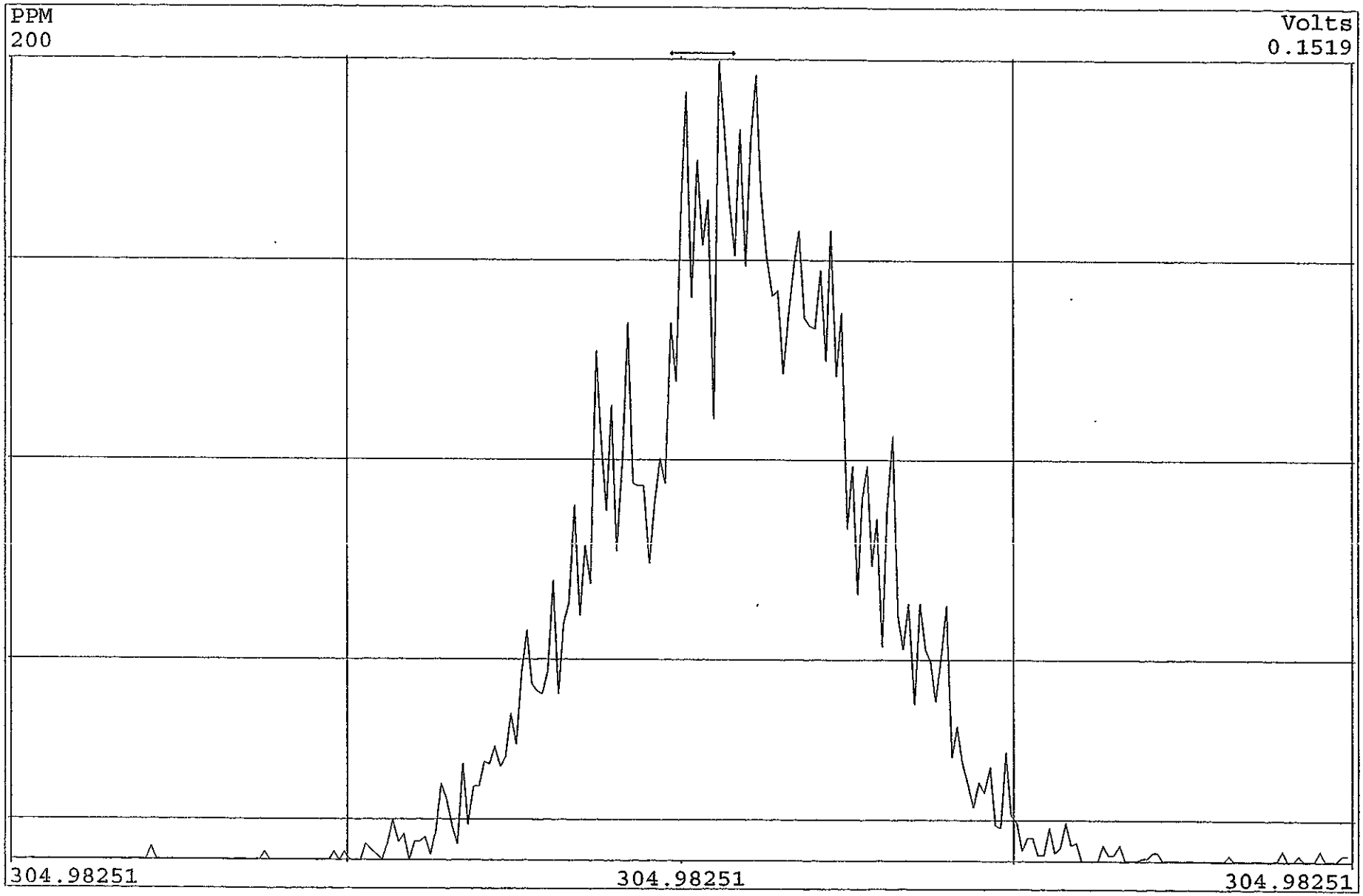
SIRLM Examination: 8-MAY-2010:08:00 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



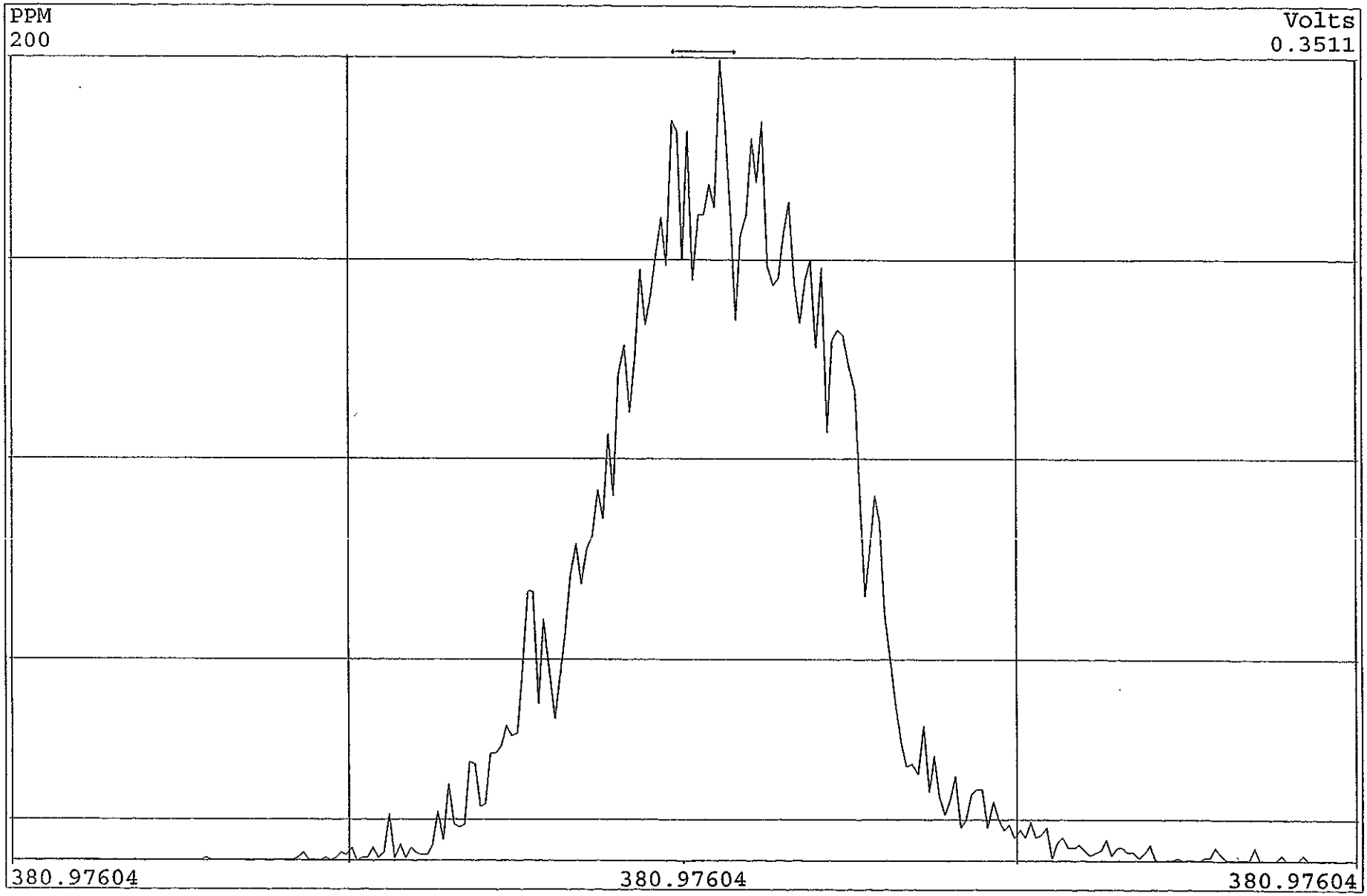
SIRLM Examination: 8-MAY-2010:15:20 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



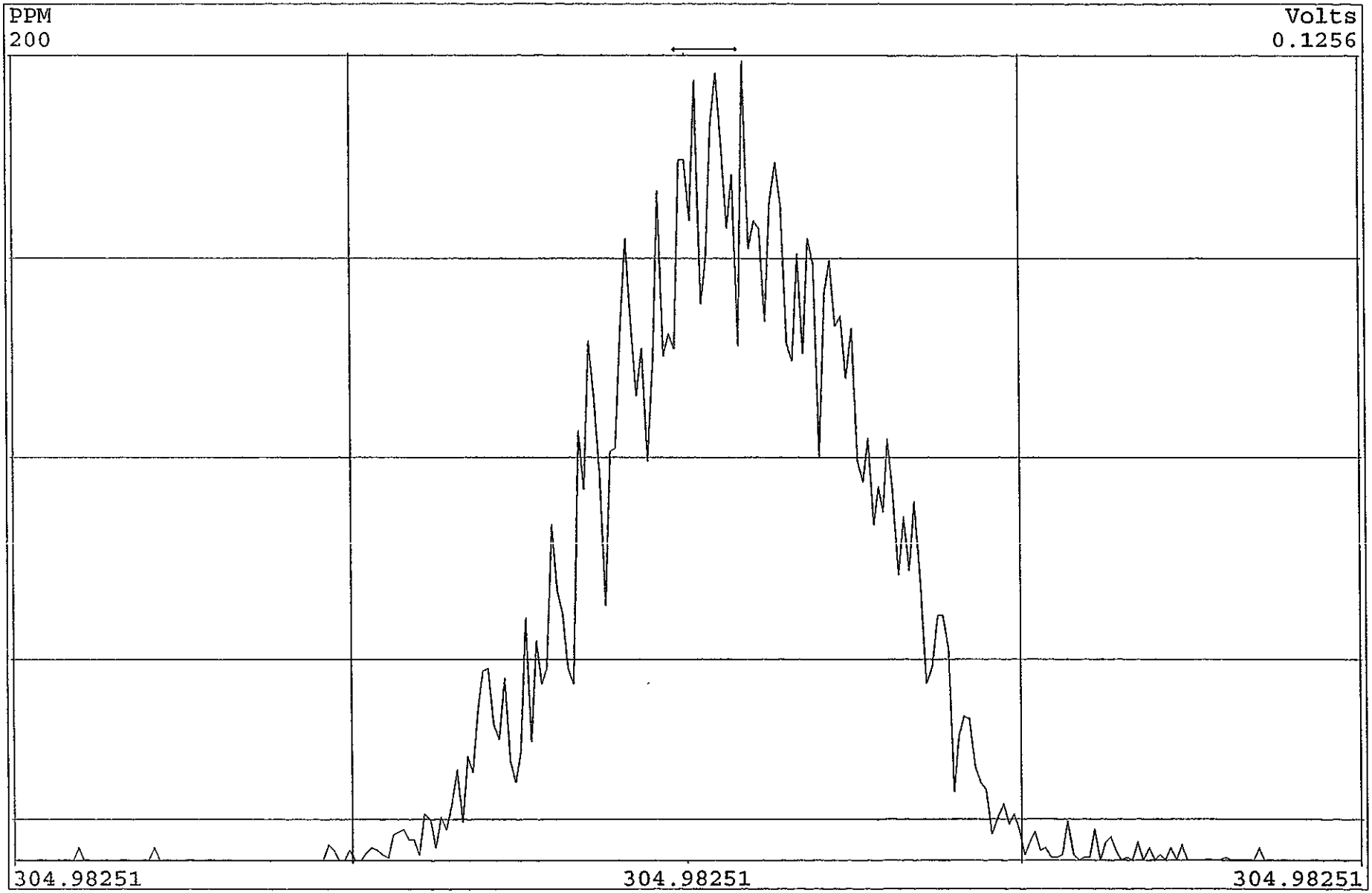
SIRLM Examination: 8-MAY-2010:15:21 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



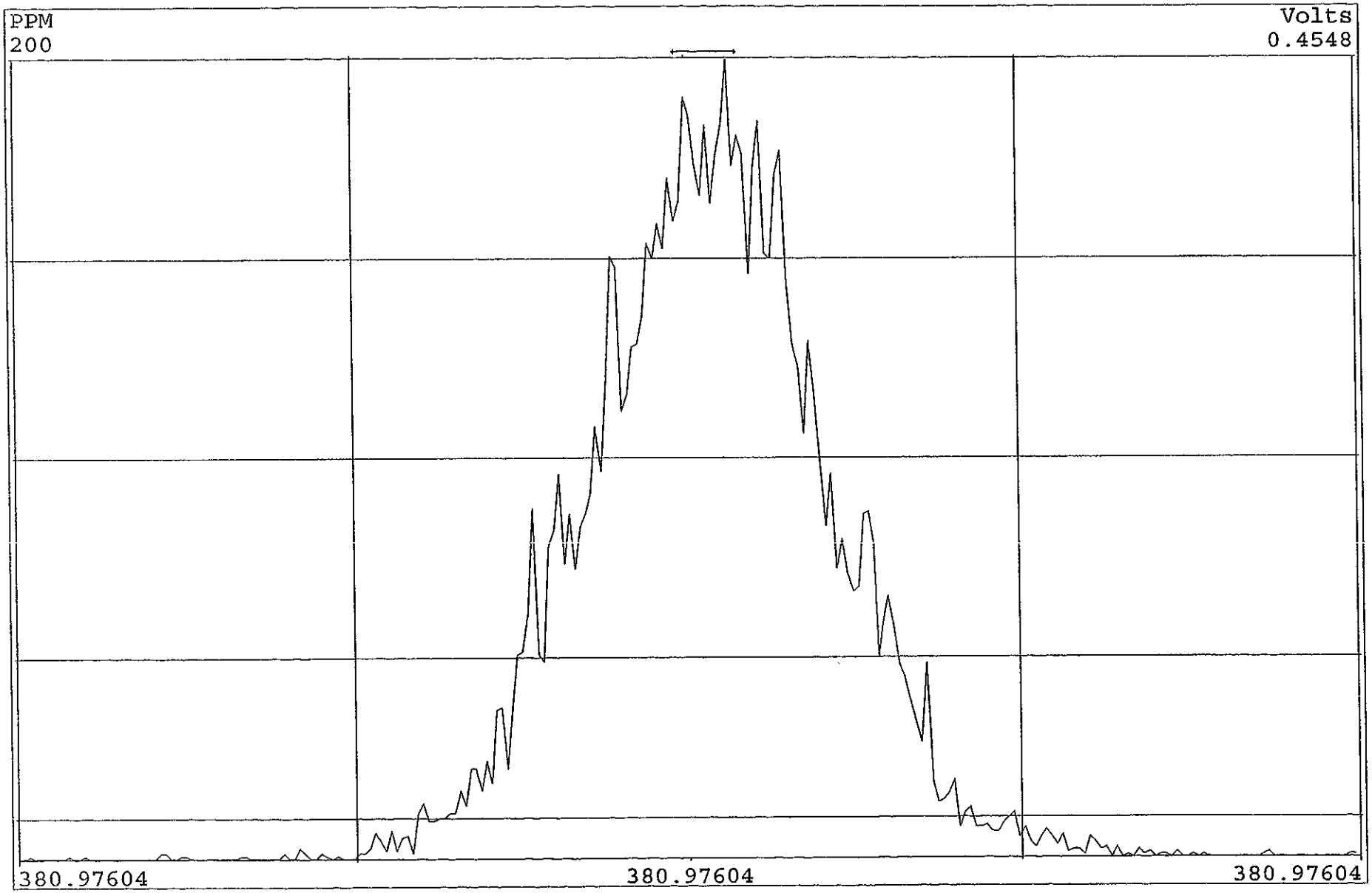
SIRLM Examination: 8-MAY-2010:23:24 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



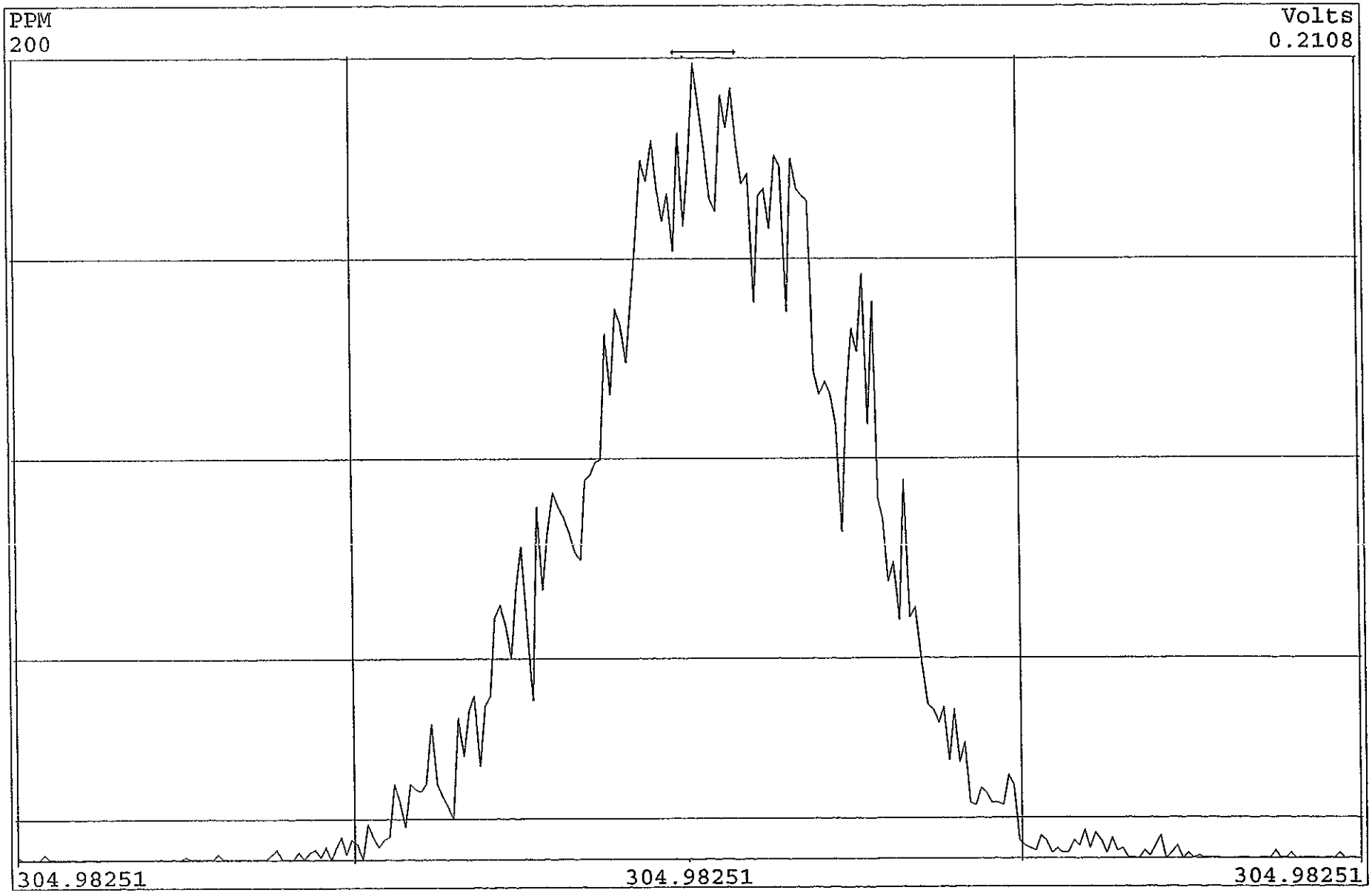
SIRLM Examination: 8-MAY-2010:23:25 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



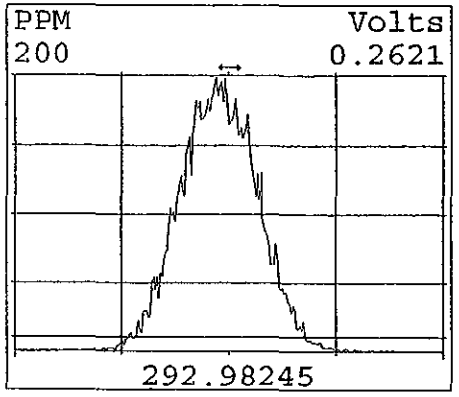
SIRLM Examination: 9-MAY-2010:11:09 File:07MY104D5
Experiment:DIOXINRES8290A Function:6

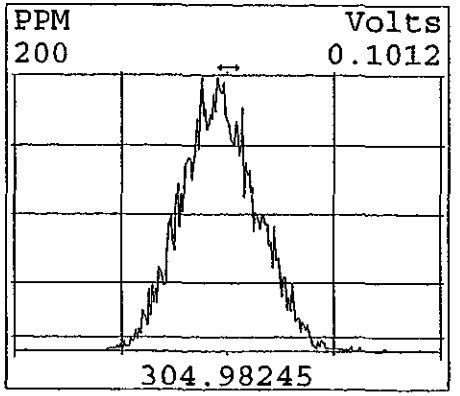


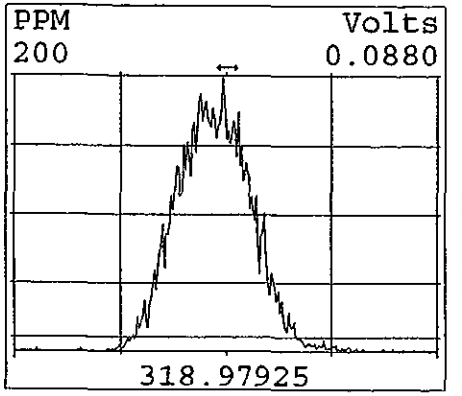
SIRLM Examination: 9-MAY-2010:11:10 File:07MY104D5
Experiment:DIOXINRES8290A Function:7

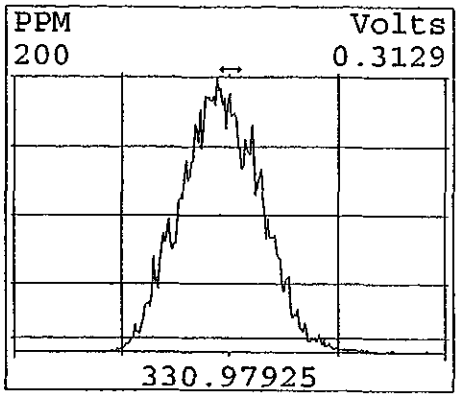


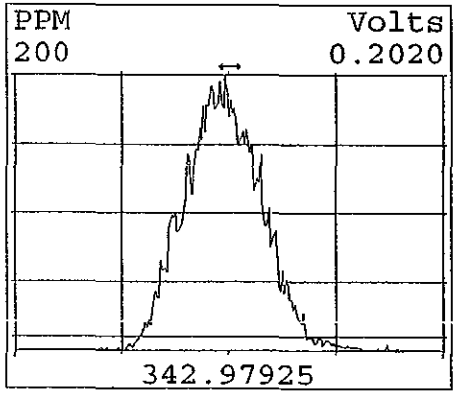
Peak Locate Examination: 9-MAY-2010:12:30 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:1 Reference:PFK

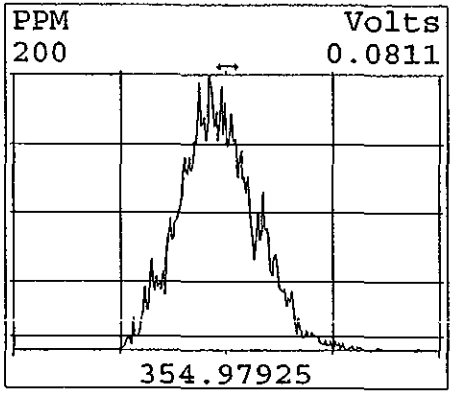


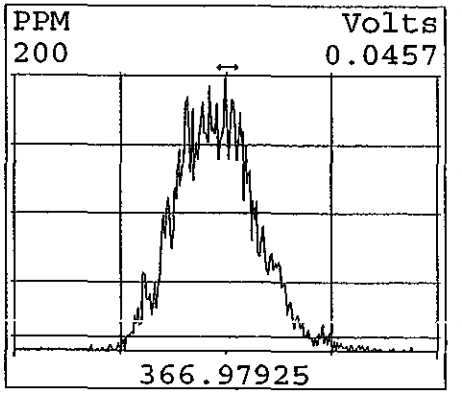


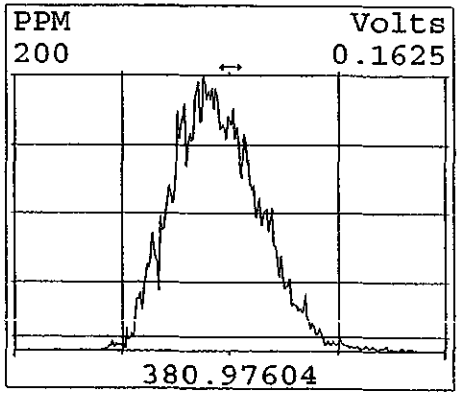


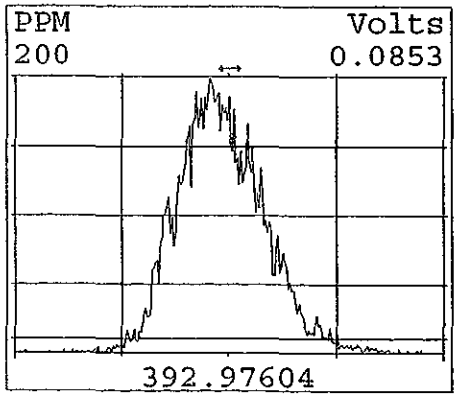


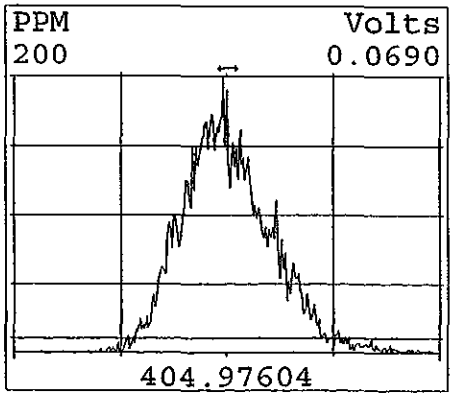


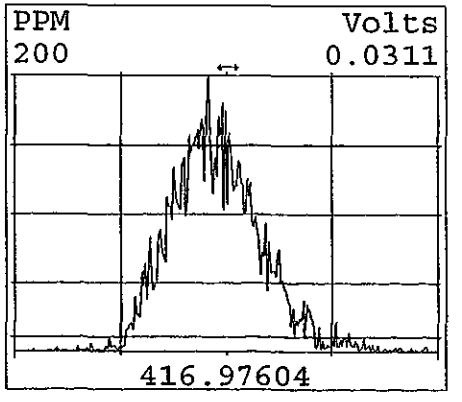




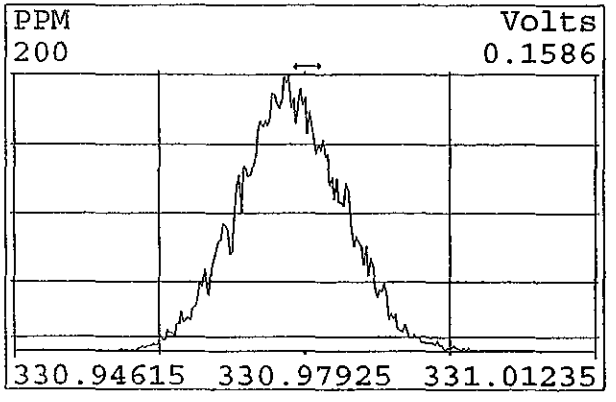


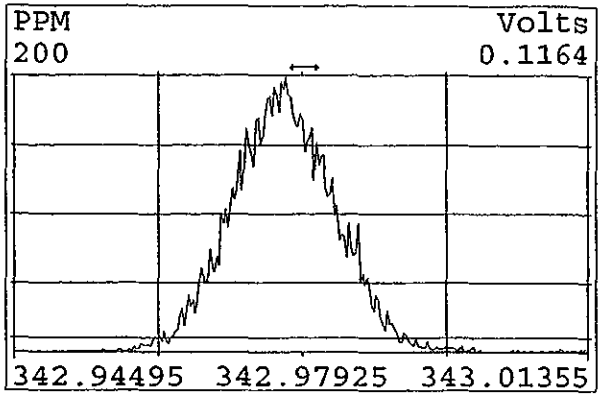


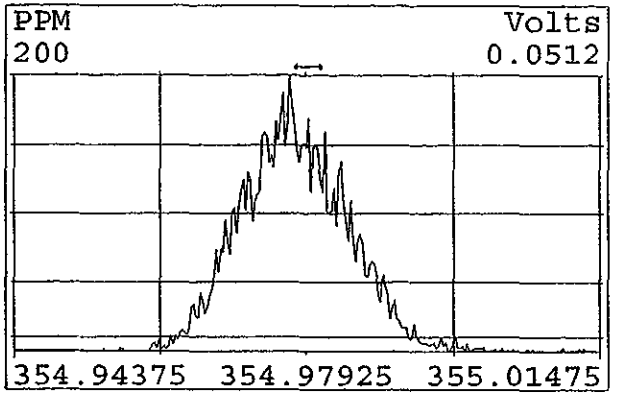


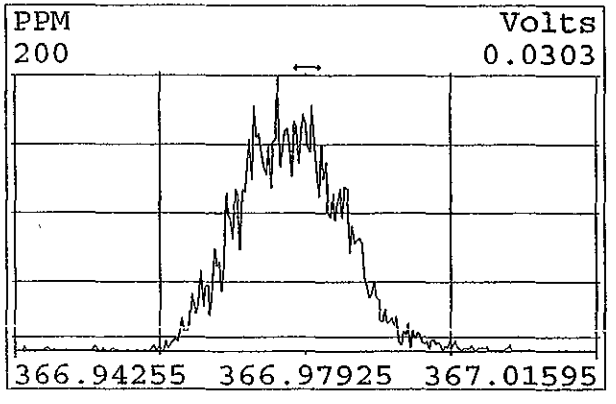


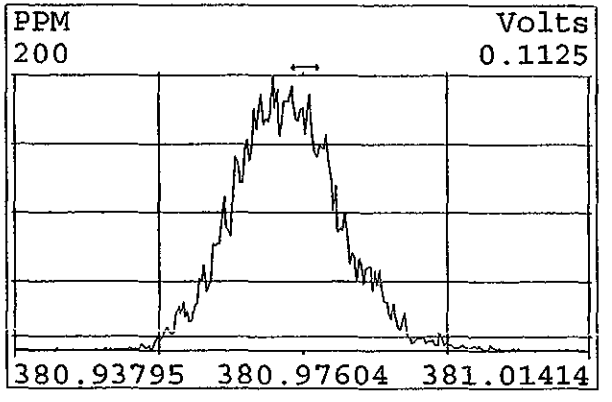
Peak Locate Examination: 9-MAY-2010:12:35 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:2 Reference:PFK

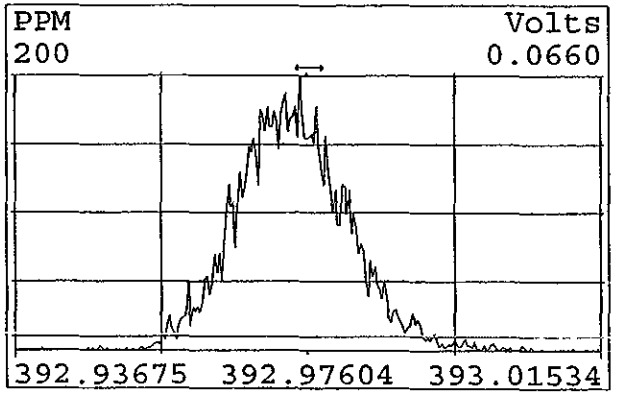


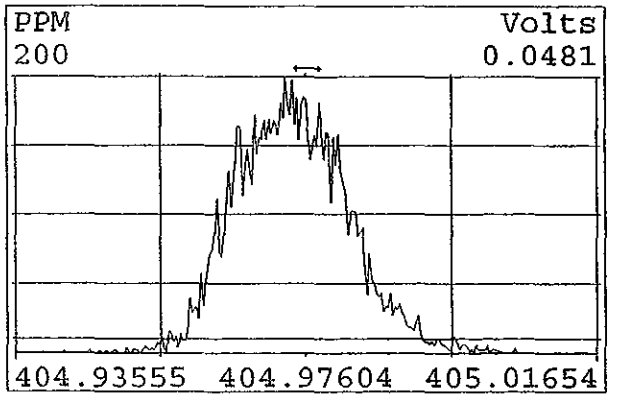


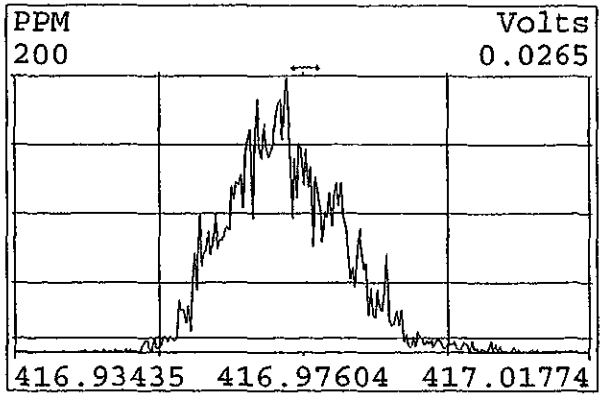




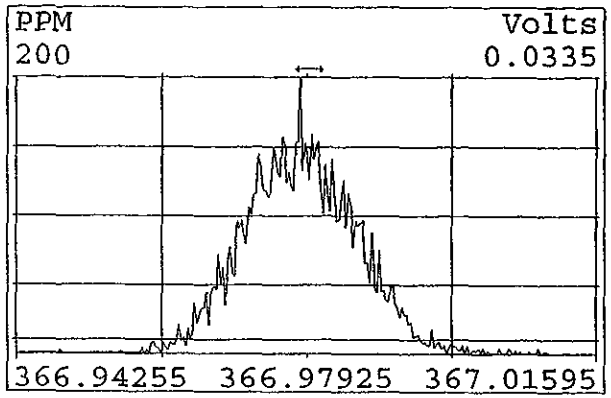


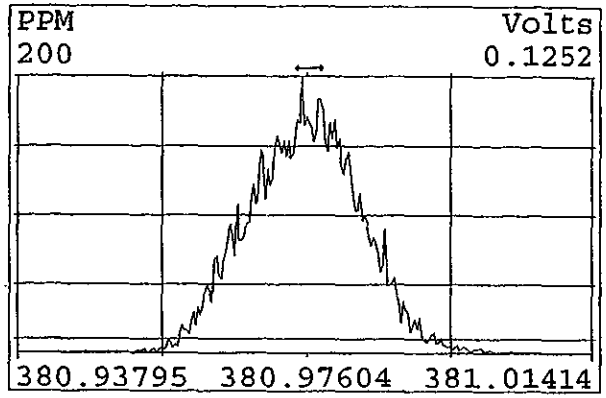


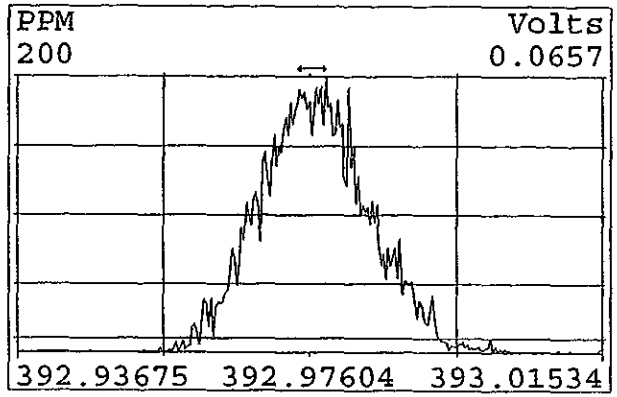


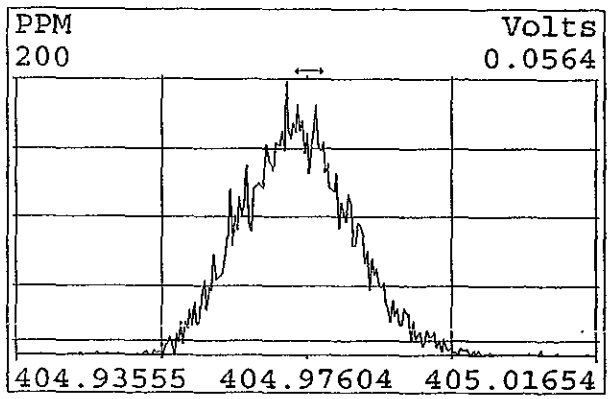


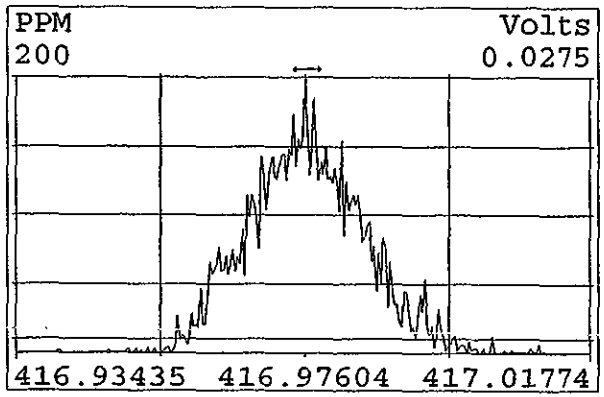
Peak Locate Examination: 9-MAY-2010:12:36 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:3 Reference:PFK

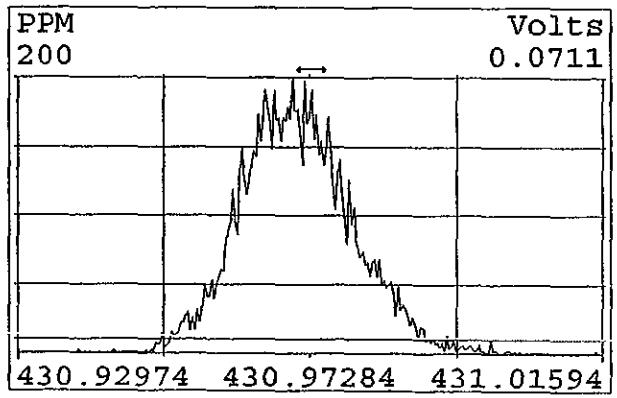


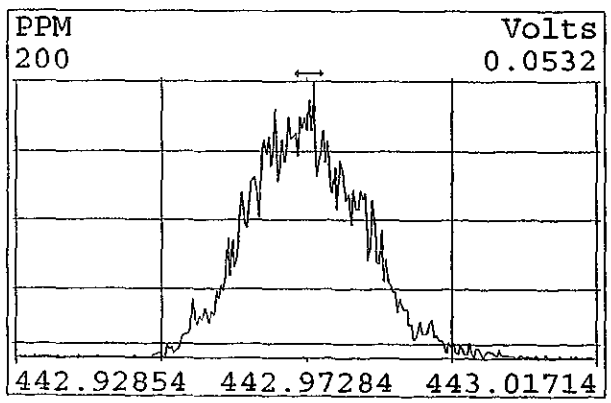


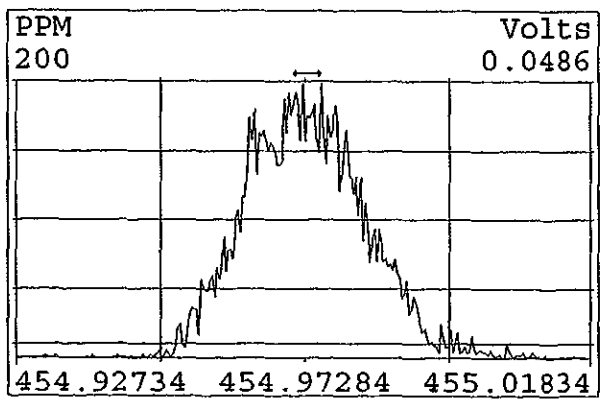




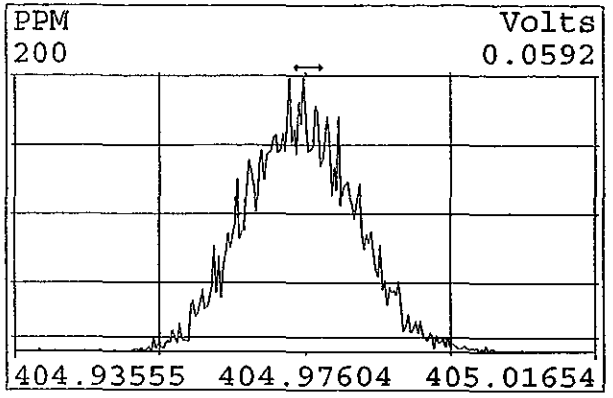


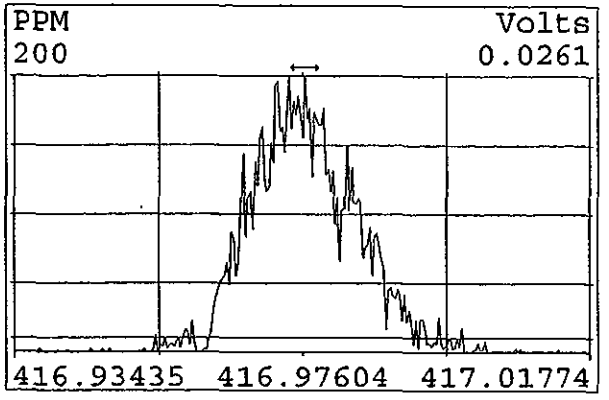


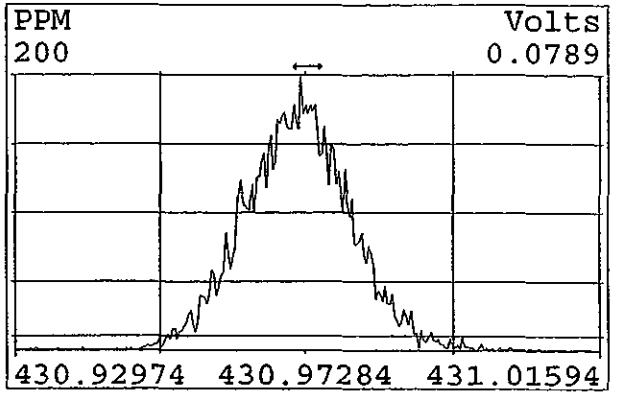


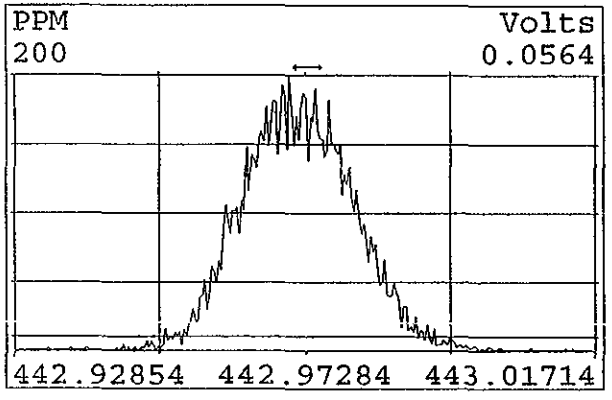


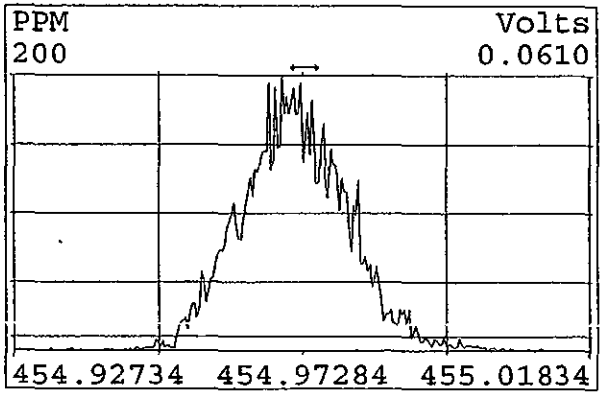
Peak Locate Examination: 9-MAY-2010:12:37 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:4 Reference:PFK

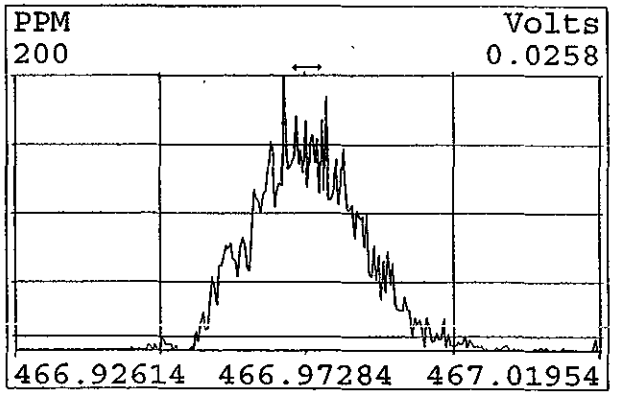


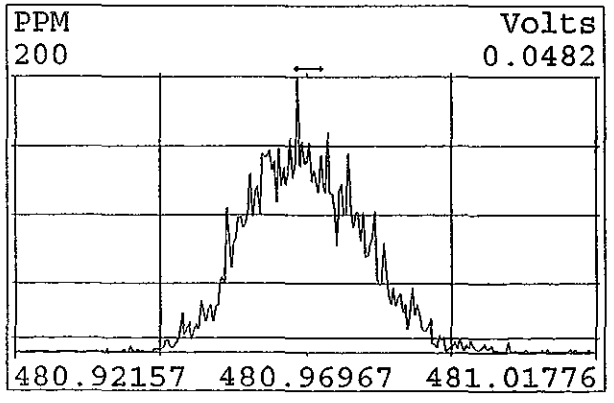




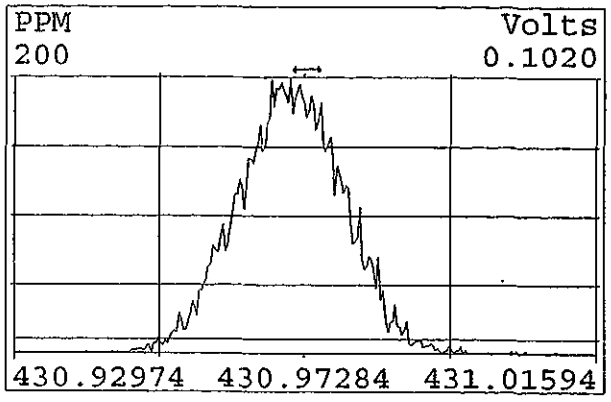


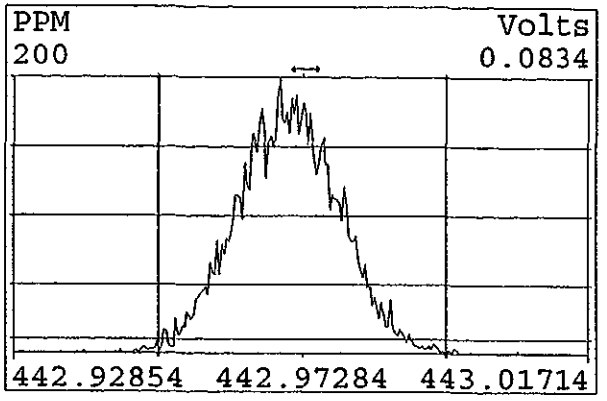


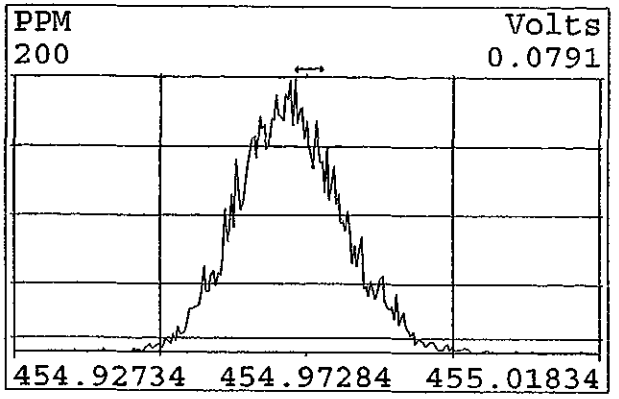


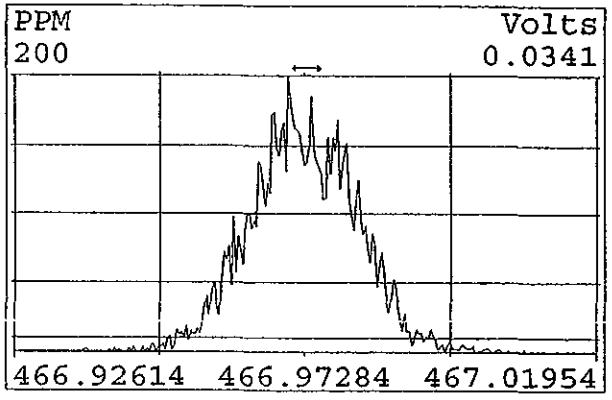


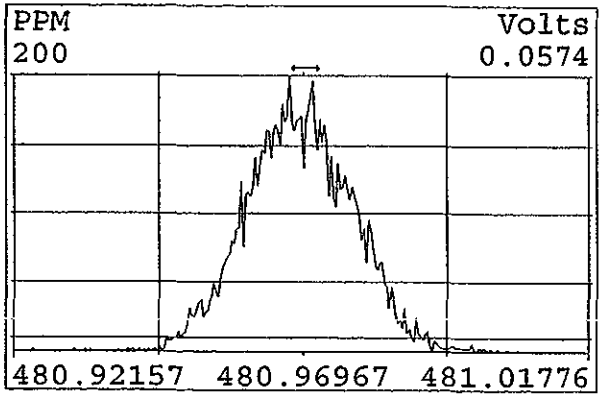
Peak Locate Examination: 9-MAY-2010:12:39 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:5 Reference:PFK

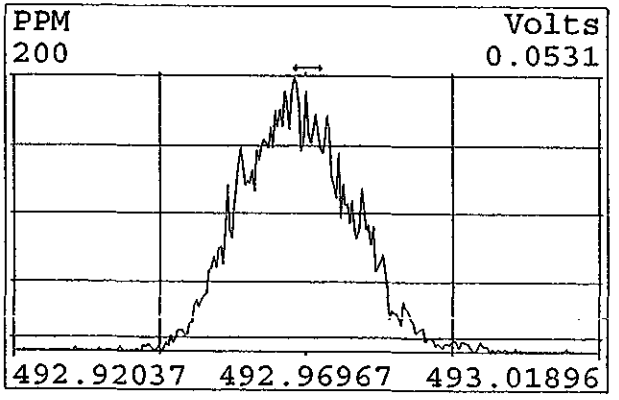


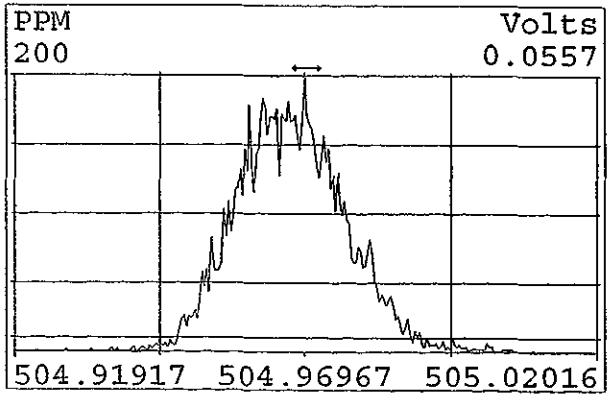


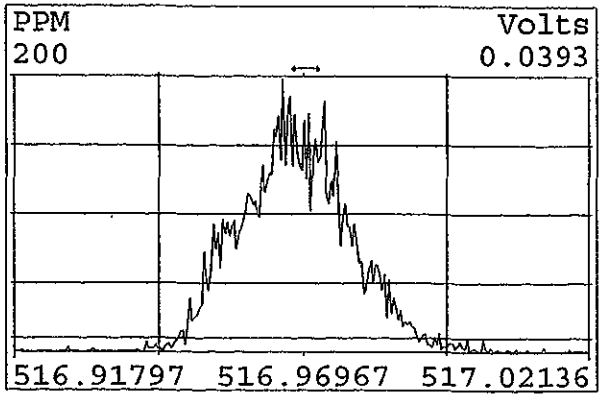




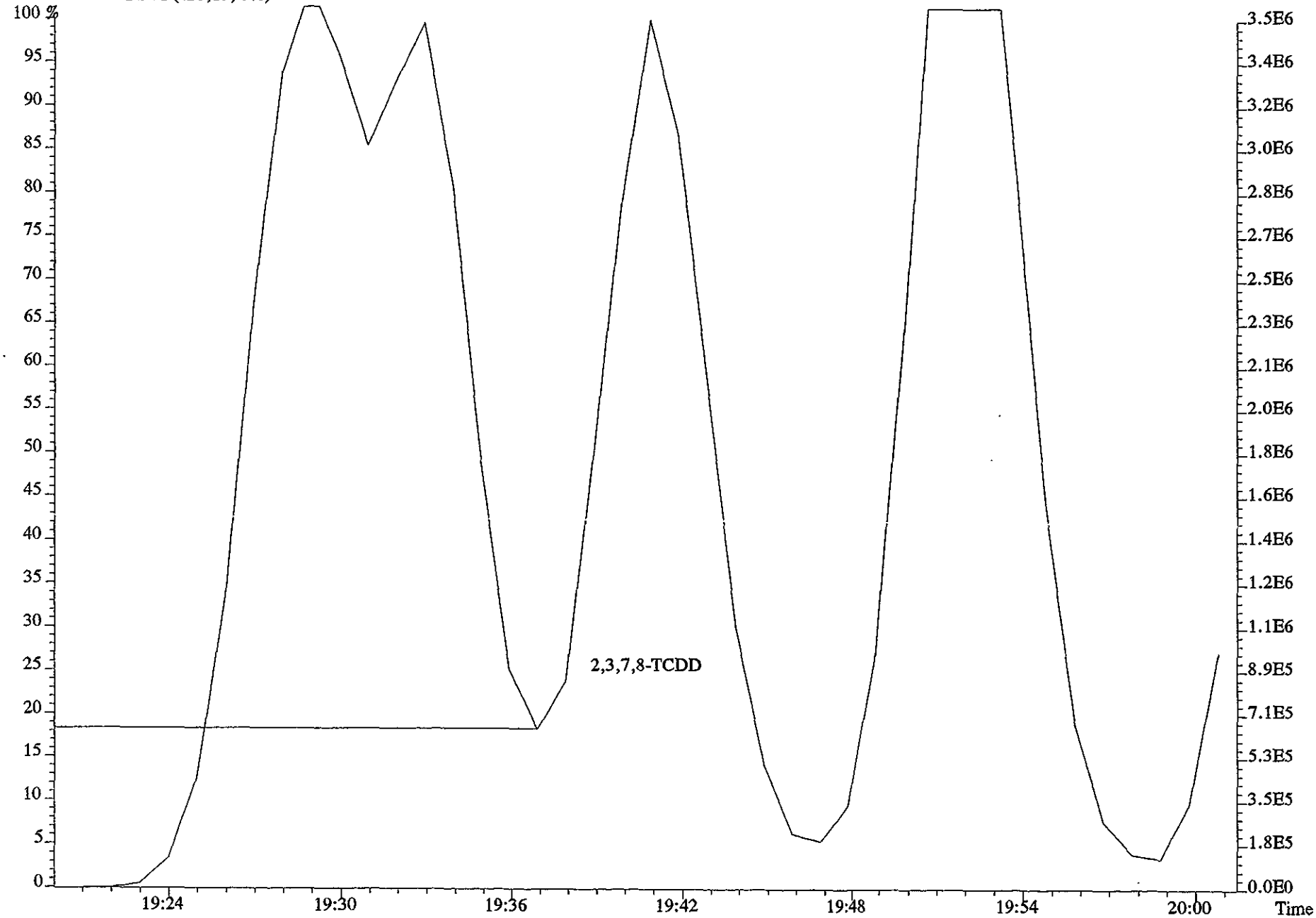








File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
321.8936 S:36 BSUB(128,15,-3.0)



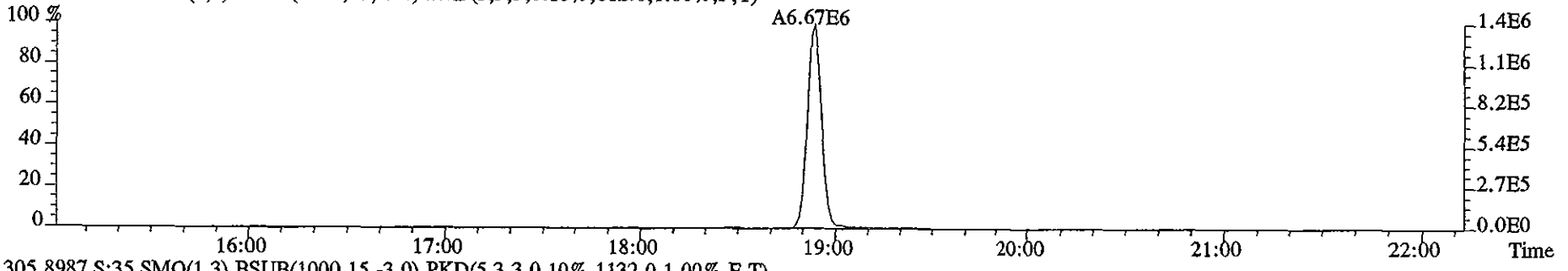
Run: 07MY104D5 Analyte: 8290A Cal: 8290A0412104D5

ST0412B :CS-1 09DXN422 ST0412A :CS-2 09DXN423 ST0412 :CS-3 10DXN111
ST0412D :CS-4 09DXN426 ST0412C :CS-5 09DXN456

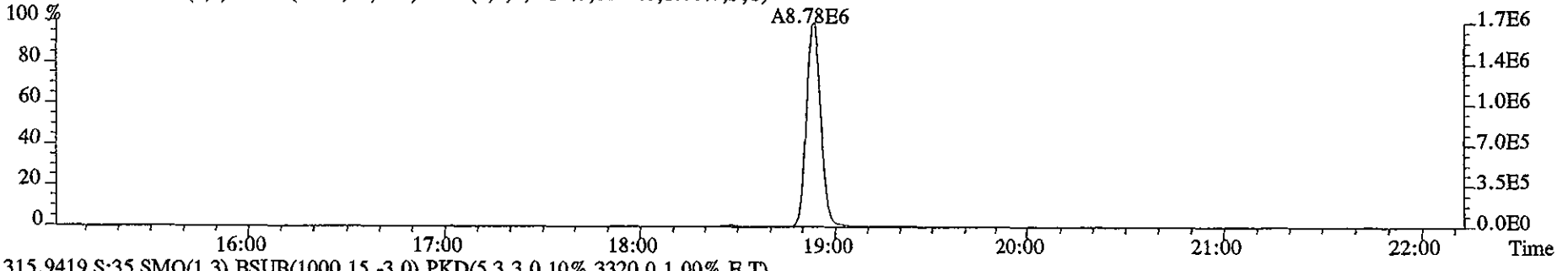
Name	Mean	S. D.	%RSD	12AP104D5 S4 RRF1	12AP104D5 S3 RRF2	12AP104D5 S2 RRF3	12AP104D5 S6 RRF4	12AP104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	0.87	0.95	0.91	1.08
2,3,7,8-TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
Total TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
37Cl-2,3,7,8-TCDD	2.261	0.218	9.64 %	2.41	2.04	2.16	2.14	2.56
13C-1,2,3,7,8-PeCDF	1.050	0.149	14.1 %	0.97	0.97	1.01	0.98	1.31
1,2,3,7,8-PeCDF	1.045	0.049	4.68 %	0.97	1.02	1.09	1.09	1.06
2,3,4,7,8-PeCDF	0.982	0.045	4.55 %	0.93	0.97	1.03	1.02	0.96
Total F2 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
Total F1 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
13C-1,2,3,7,8-PeCDD	0.670	0.094	14.0 %	0.61	0.65	0.62	0.64	0.84
1,2,3,7,8-PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
Total PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.025	0.075	7.29 %	1.08	0.98	1.08	0.92	1.06
1,2,3,4,7,8-HxCDF	1.213	0.061	5.00 %	1.12	1.18	1.25	1.28	1.23
1,2,3,6,7,8-HxCDF	1.343	0.096	7.13 %	1.20	1.34	1.46	1.38	1.33
2,3,4,6,7,8-HxCDF	1.222	0.064	5.27 %	1.13	1.19	1.29	1.26	1.23
1,2,3,7,8,9-HxCDF	1.092	0.072	6.60 %	1.02	1.02	1.15	1.17	1.10
Total HxCDF	1.218	0.070	5.72 %	1.12	1.18	1.29	1.27	1.22
13C-1,2,3,6,7,8-HxCDD	0.807	0.060	7.46 %	0.81	0.77	0.86	0.72	0.87
1,2,3,4,7,8-HxCDD	1.007	0.056	5.54 %	0.93	1.02	1.04	1.07	0.98

1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
13C-1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDF	1.310	0.072	5.52 %	1.20	1.28	1.39	1.36	1.32
1,2,3,4,7,8,9-HpCDF	1.026	0.053	5.19 %	0.95	1.00	1.09	1.06	1.03
Total HpCDF	1.168	0.063	5.36 %	1.08	1.14	1.24	1.21	1.18
13C-1,2,3,4,6,7,8-HpCDD	0.697	0.052	7.39 %	0.71	0.67	0.77	0.64	0.71
1,2,3,4,6,7,8-HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
Total HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
13C-OCDD	0.531	0.041	7.69 %	0.53	0.49	0.58	0.49	0.57
OCDF	1.445	0.085	5.85 %	1.32	1.39	1.51	1.50	1.50
OCDD	1.166	0.060	5.16 %	1.08	1.14	1.23	1.21	1.17

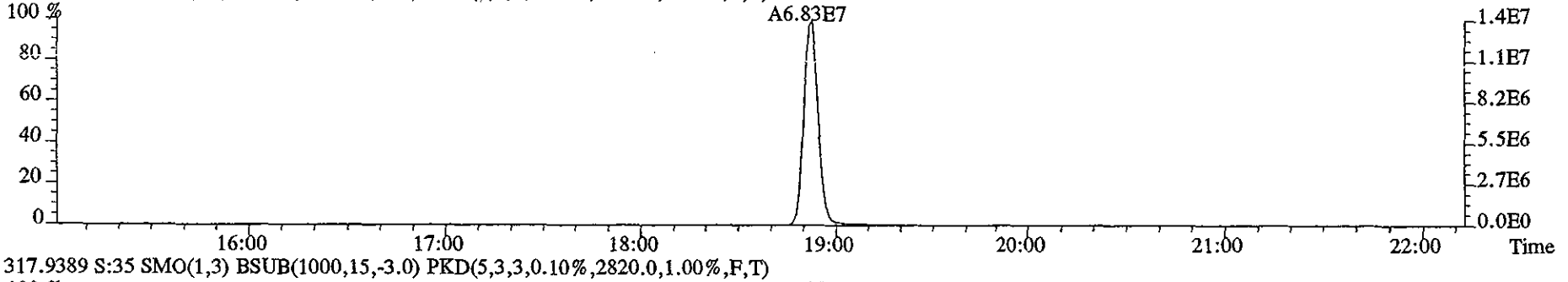
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
303.9016 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



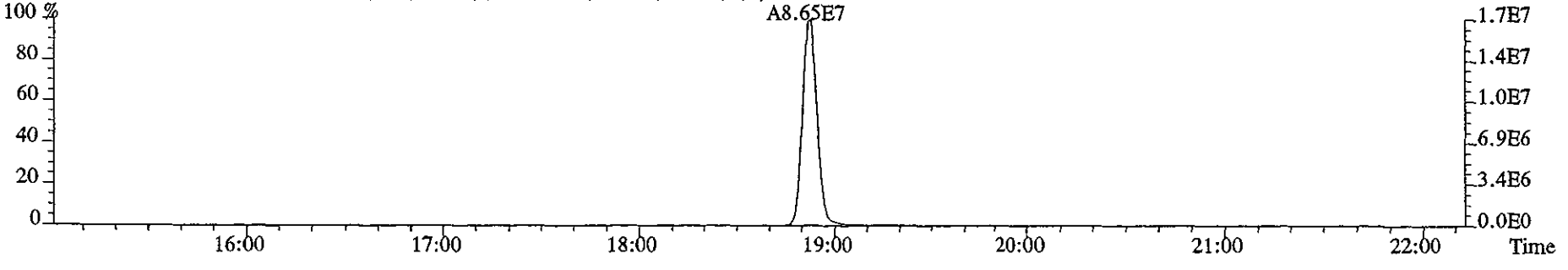
305.8987 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)



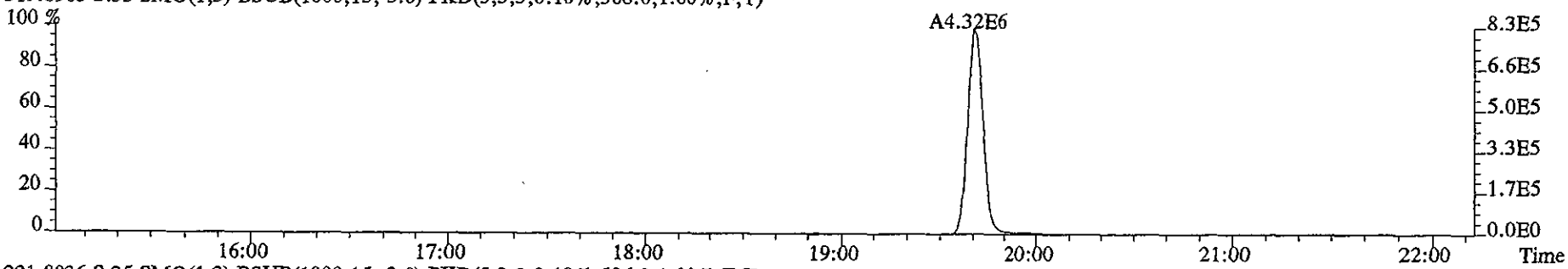
315.9419 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



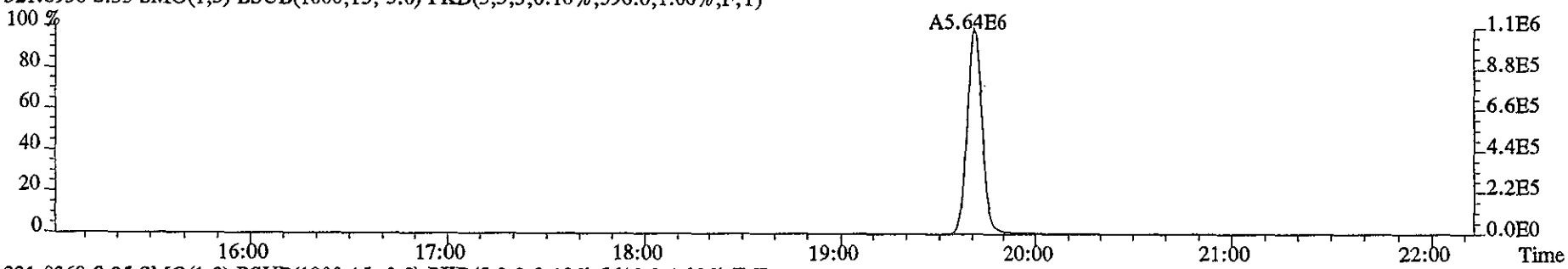
317.9389 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2820.0,1.00%,F,T)



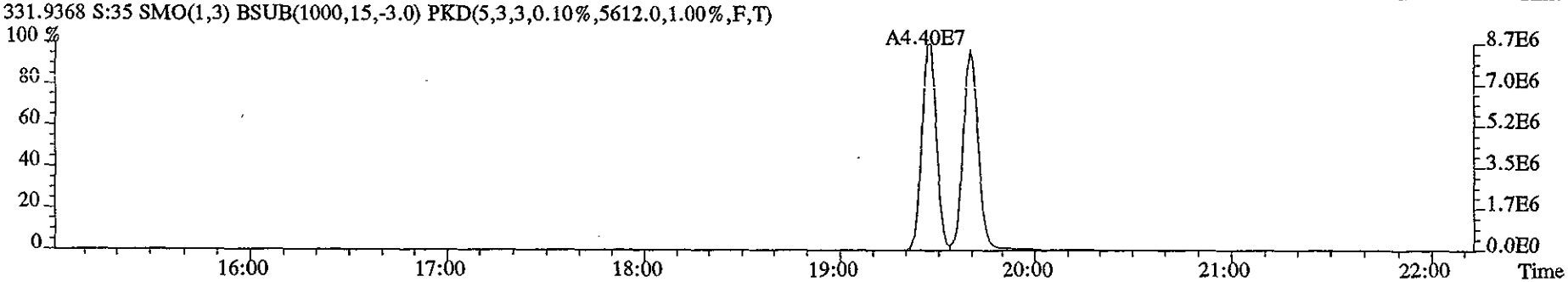
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
319.8965 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,368.0,1.00%,F,T)



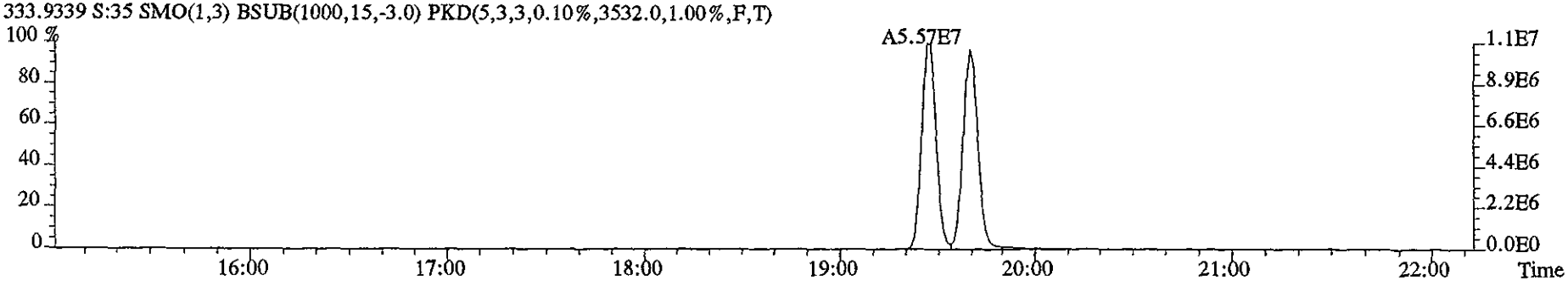
321.8936 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,596.0,1.00%,F,T)



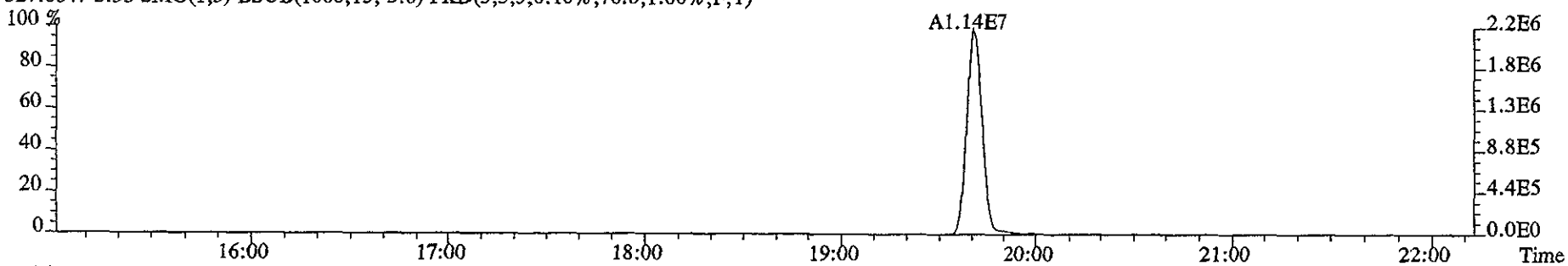
331.9368 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)



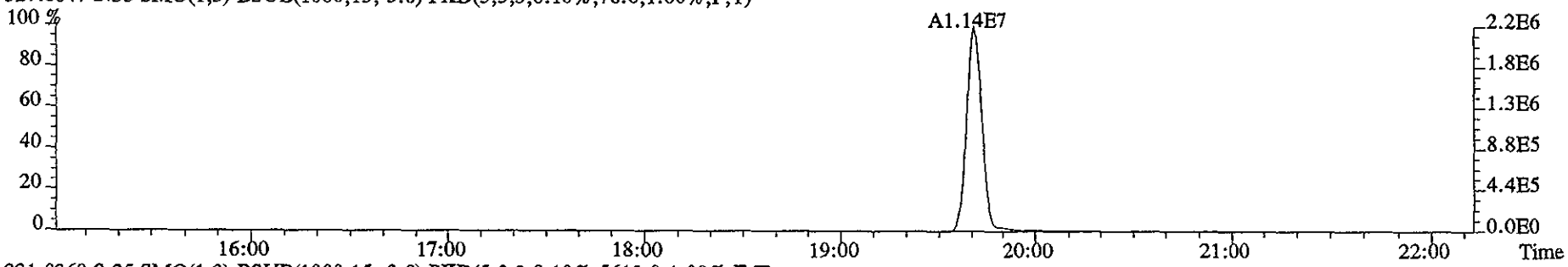
333.9339 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3532.0,1.00%,F,T)



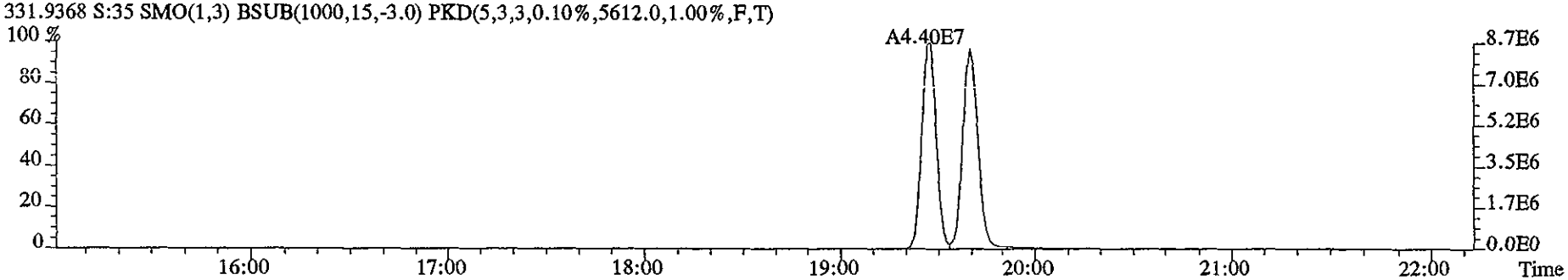
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
327.8847 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



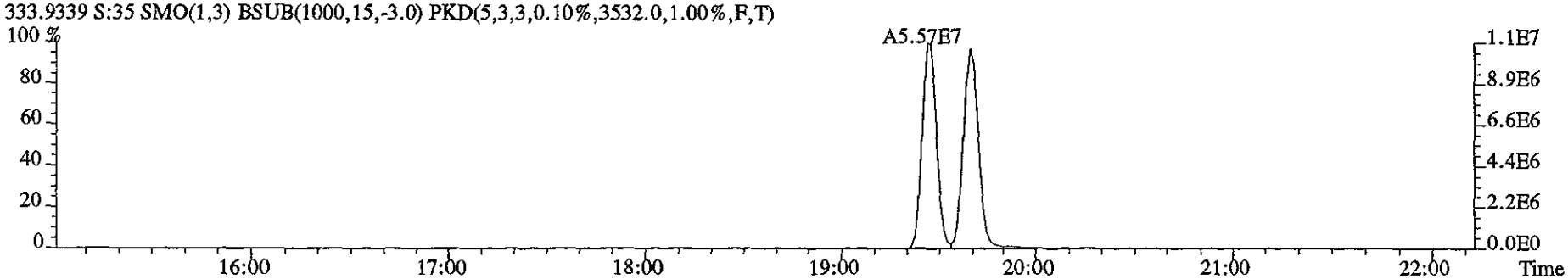
327.8847 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



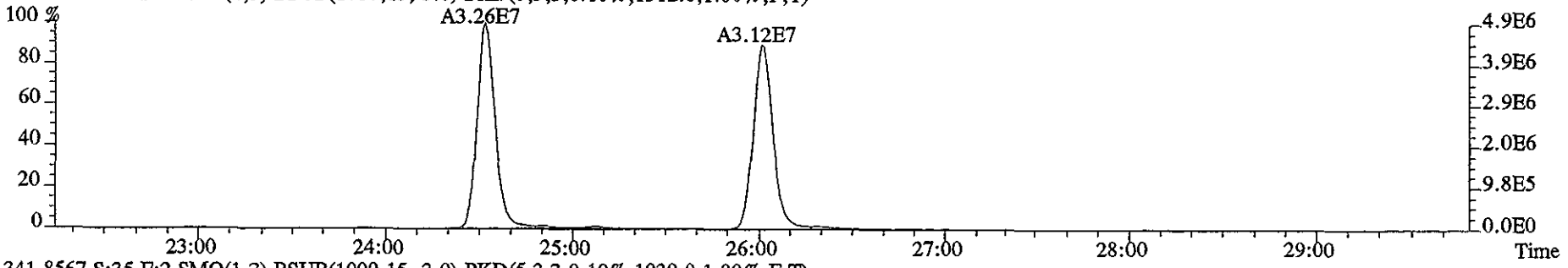
331.9368 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)



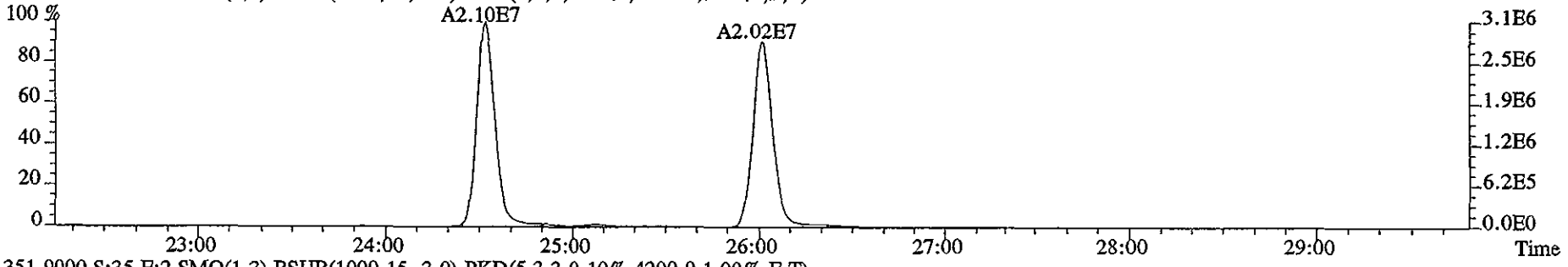
333.9339 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3532.0,1.00%,F,T)



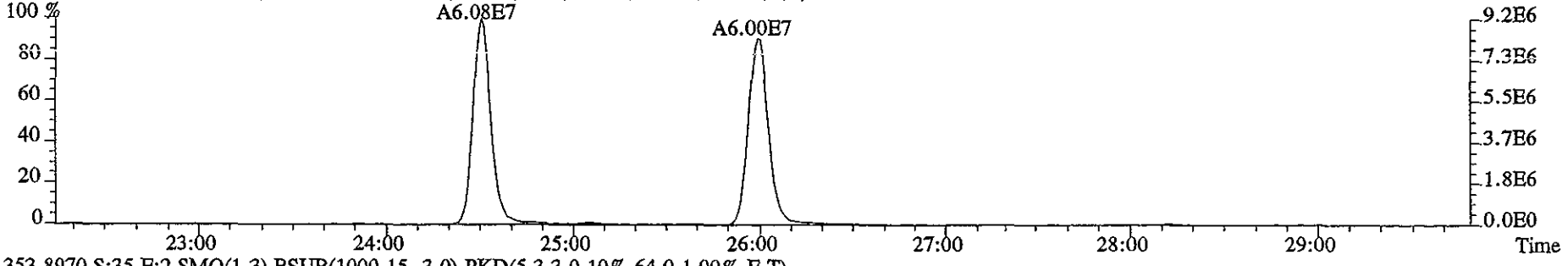
File:07MY104D5 #1-604 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1312.0,1.00%,F,T)



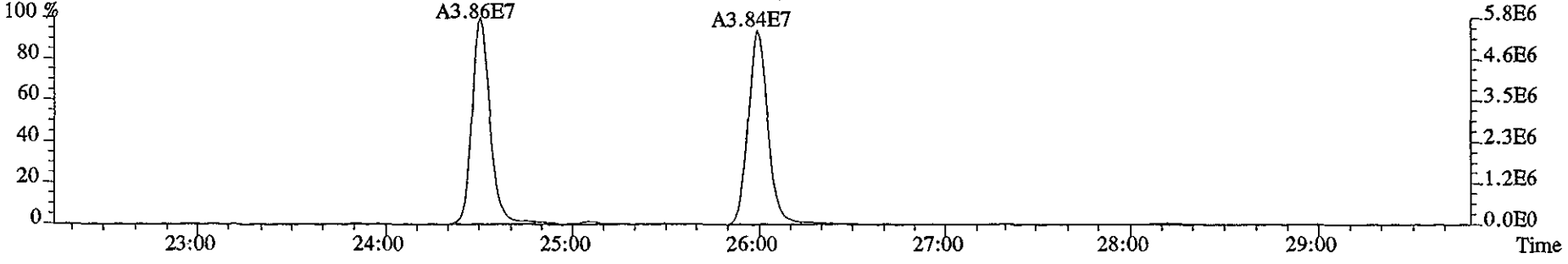
341.8567 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)



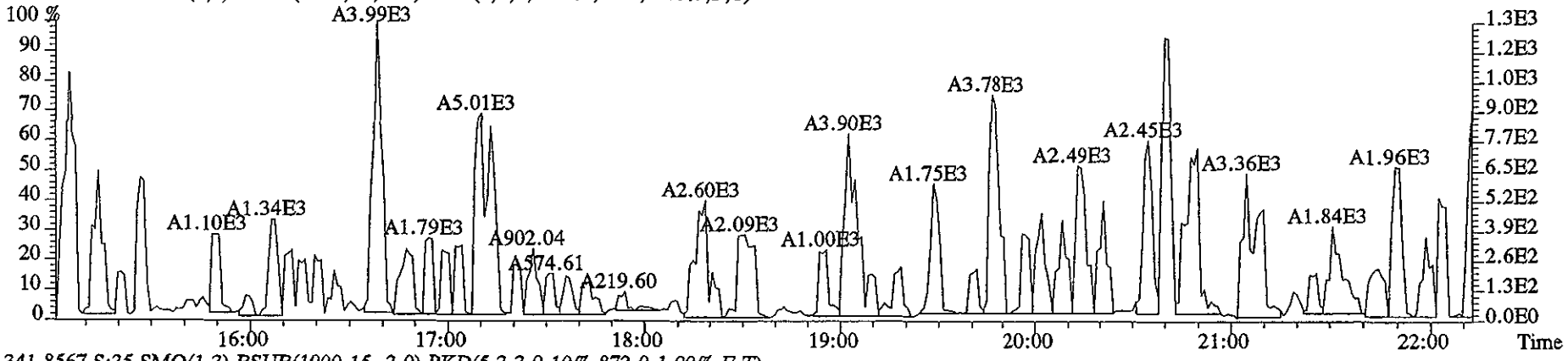
351.9000 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T)



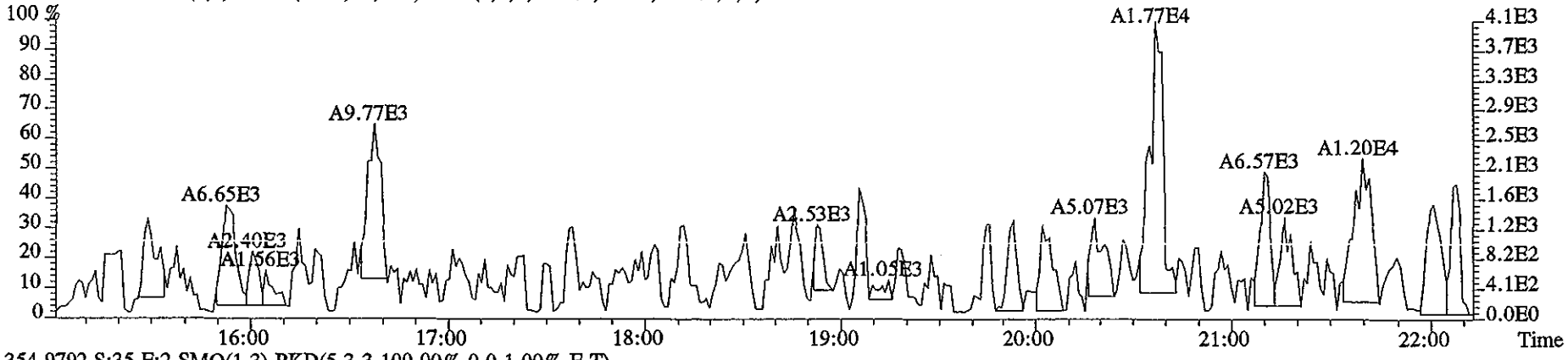
353.8970 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



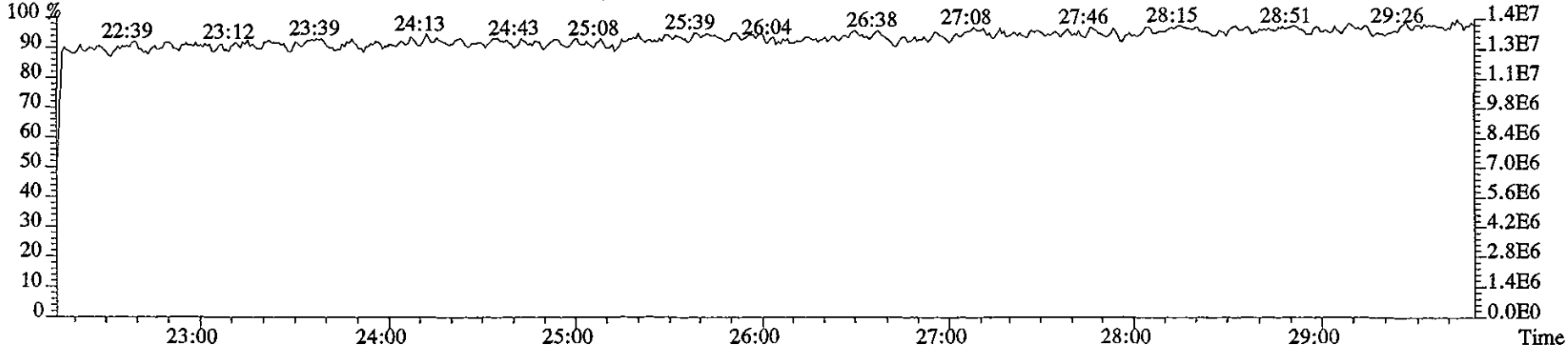
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



341.8567 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,872.0,1.00%,F,T)

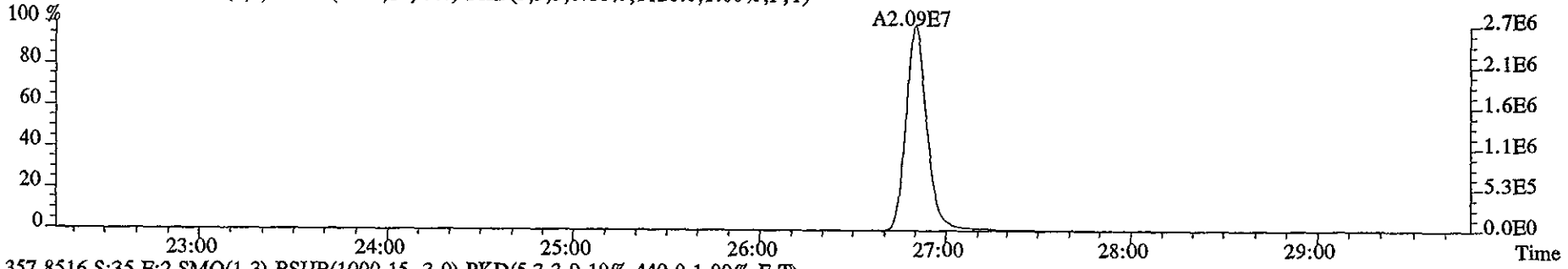


354.9792 S:35 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

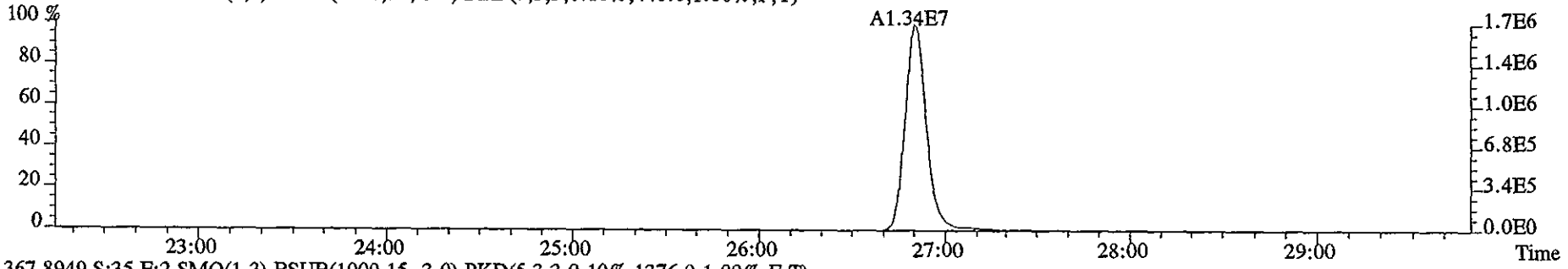


File:07MY104D5 #1-604 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

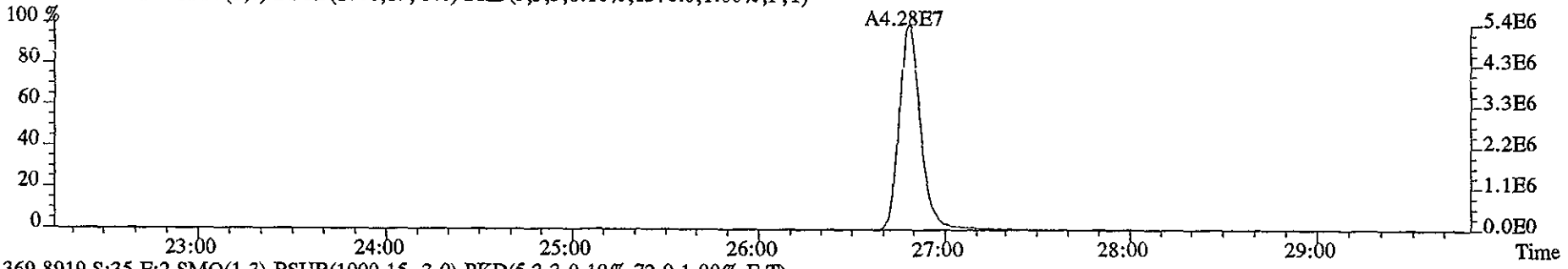
355.8546 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1120.0,1.00%,F,T)



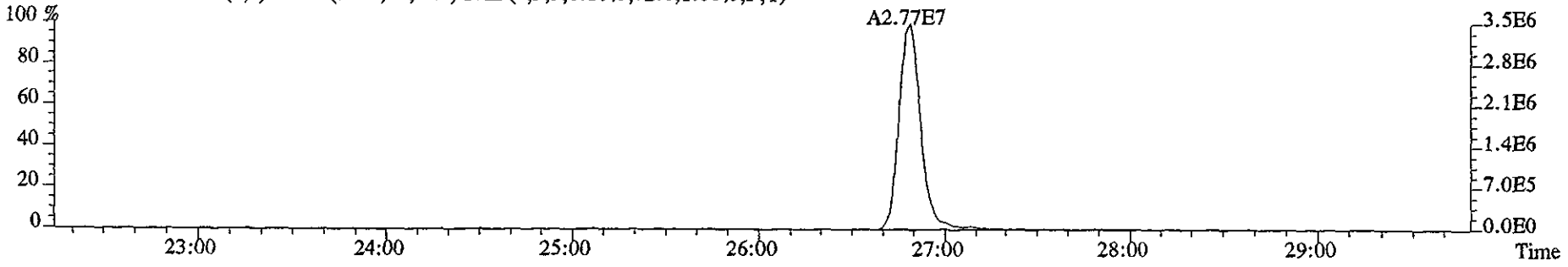
357.8516 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



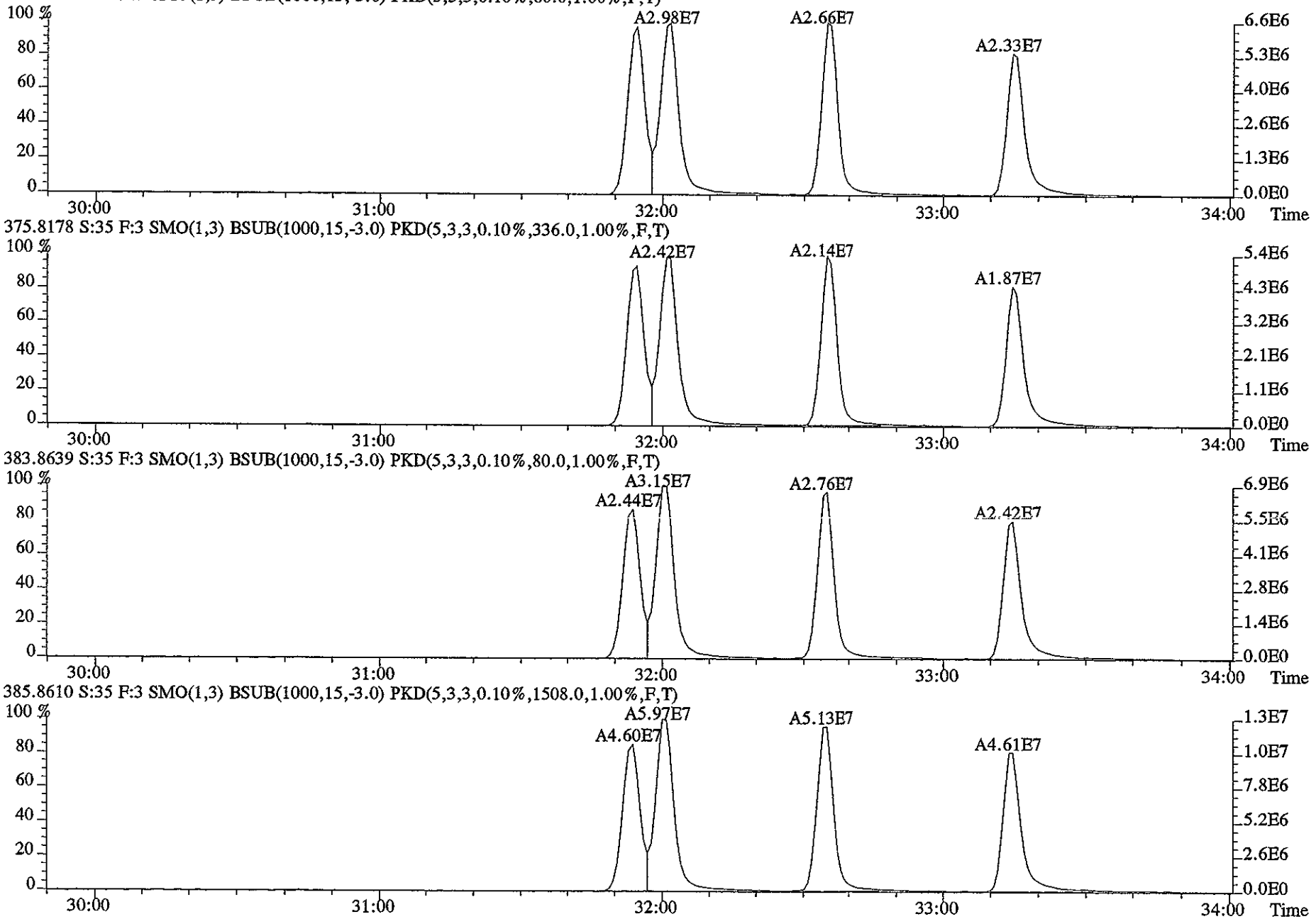
367.8949 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1376.0,1.00%,F,T)



369.8919 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

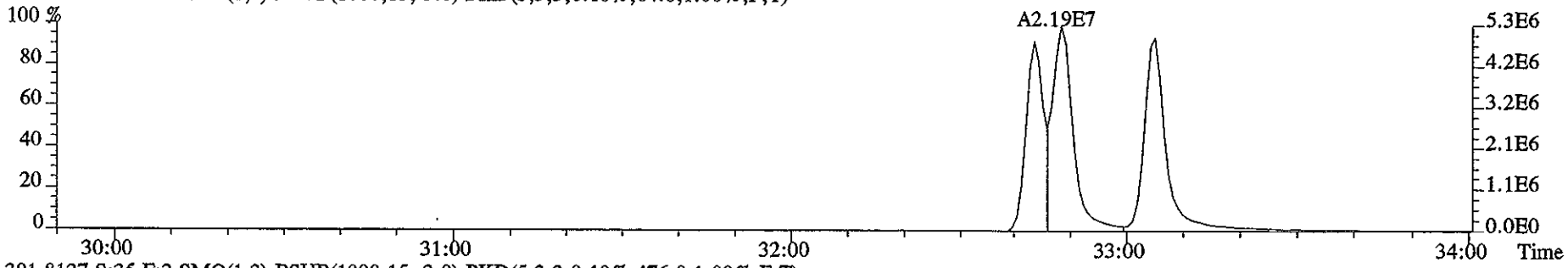


File:07MY104D5 #1-317 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

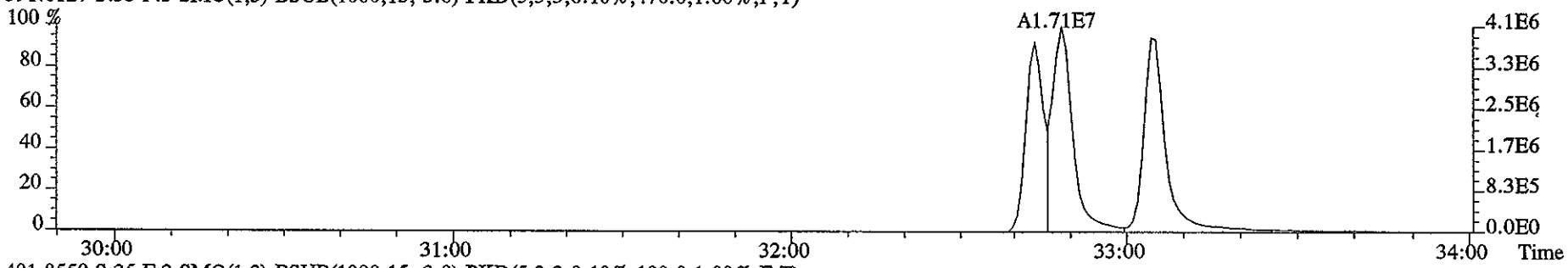


File:07MY104D5 #1-317 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

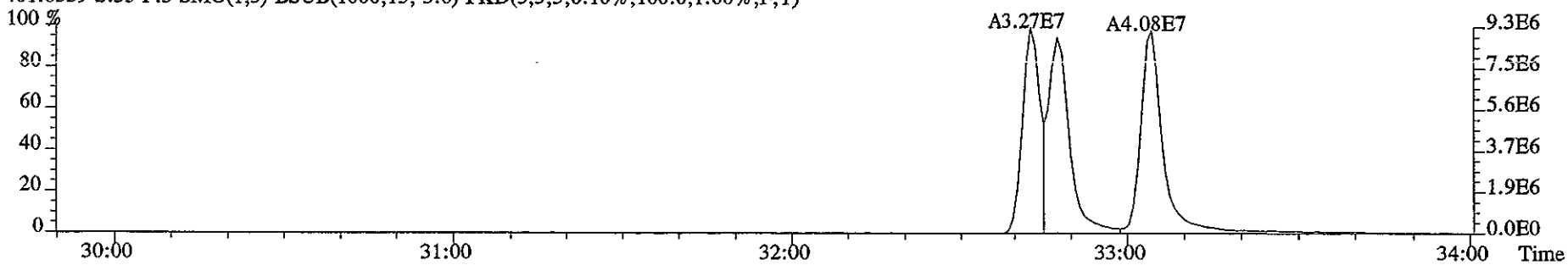
389.8157 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



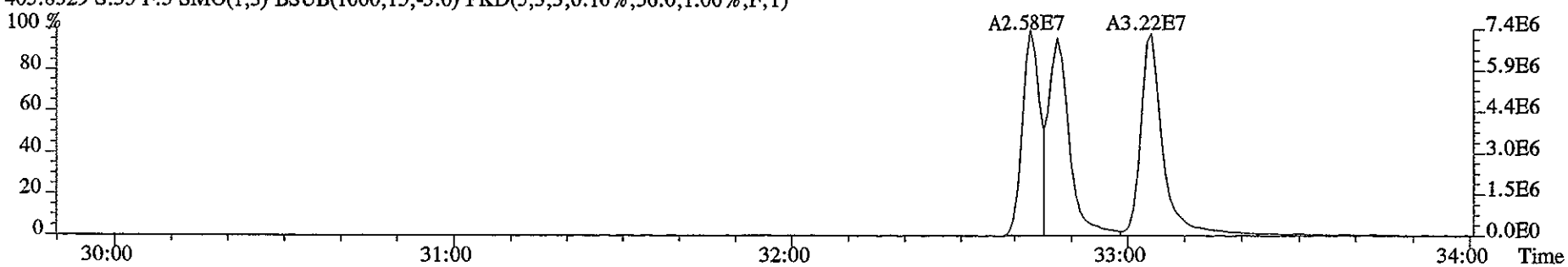
391.8127 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,476.0,1.00%,F,T)



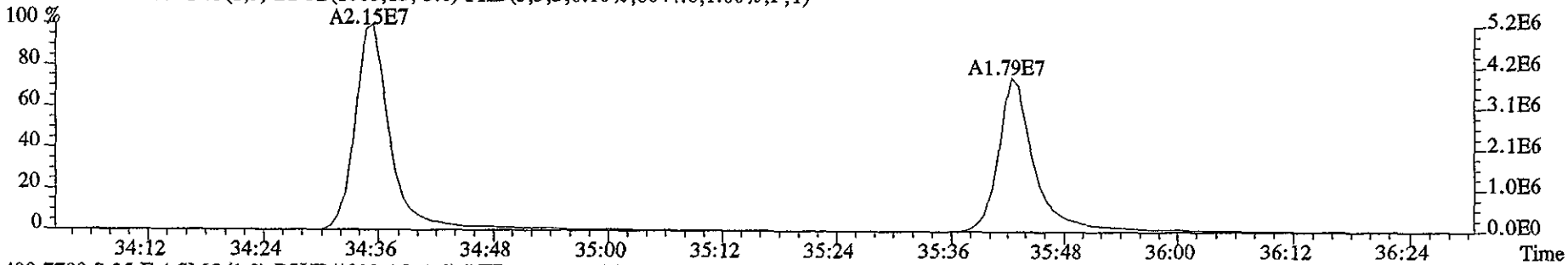
401.8559 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)



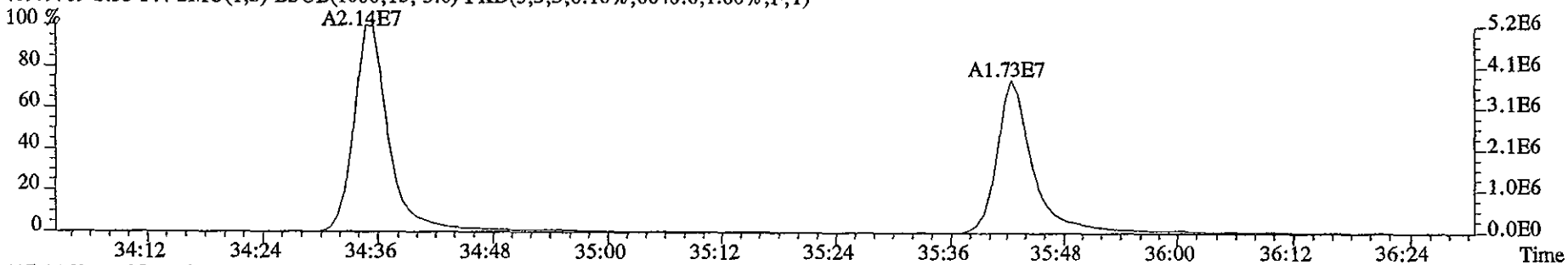
403.8529 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



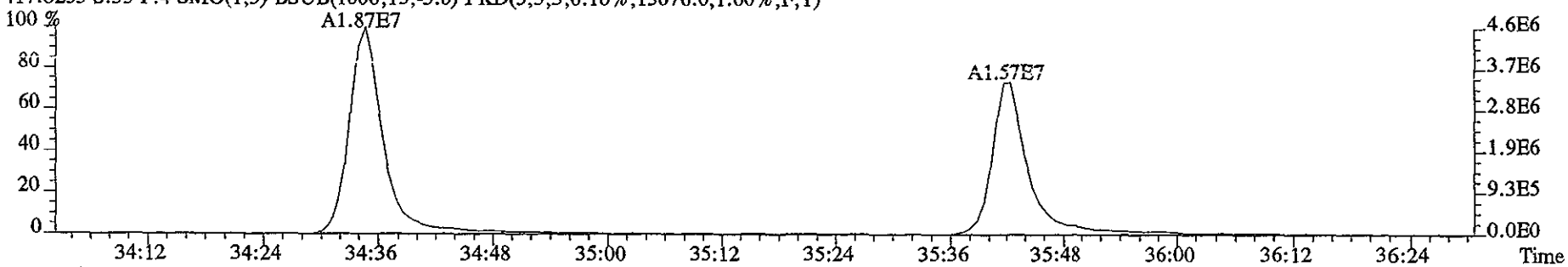
File:07MY104D5 #1-198 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
407.7818 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6044.0,1.00%,F,T)



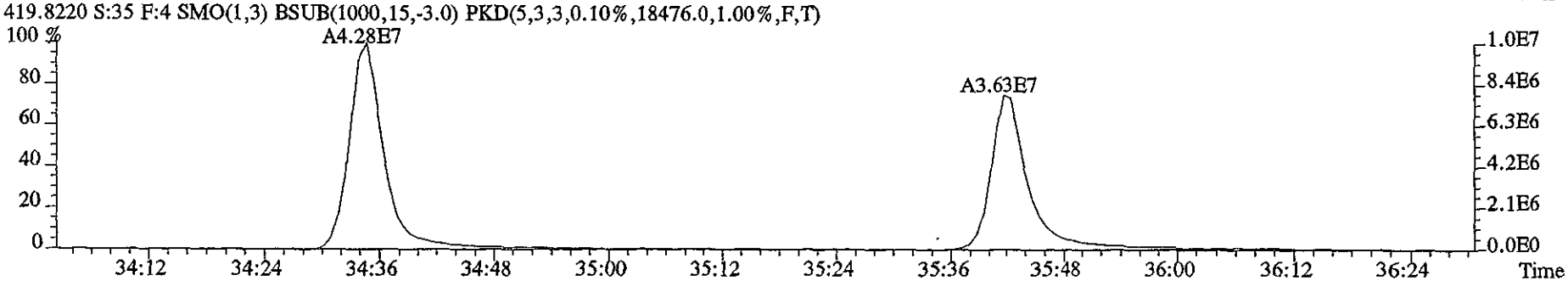
409.7789 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6640.0,1.00%,F,T)



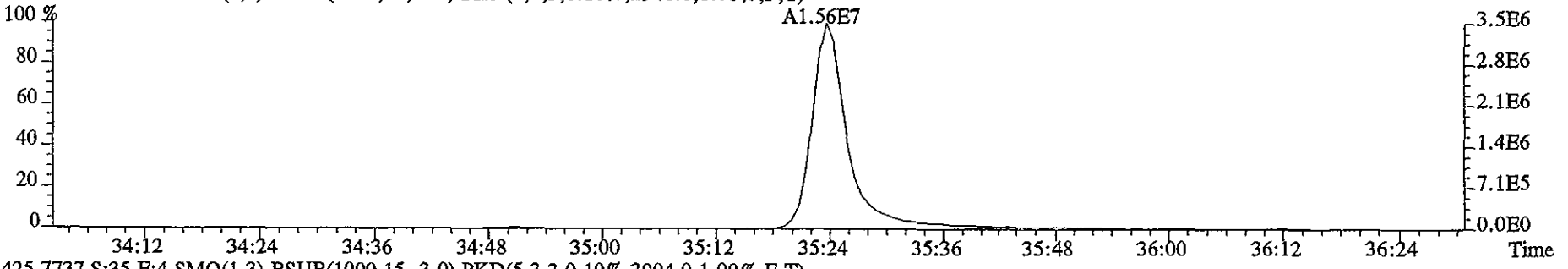
417.8253 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13076.0,1.00%,F,T)



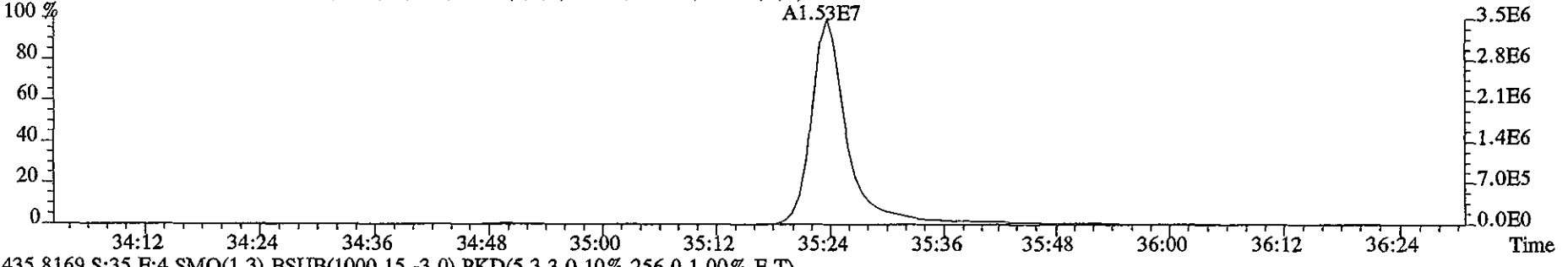
419.8220 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18476.0,1.00%,F,T)



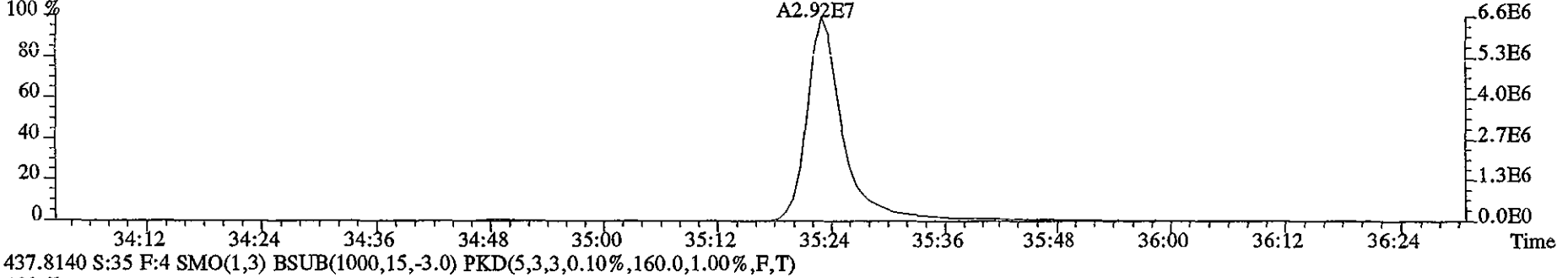
File:07MY104D5 #1-198 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
423.7766 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2948.0,1.00%,F,T)



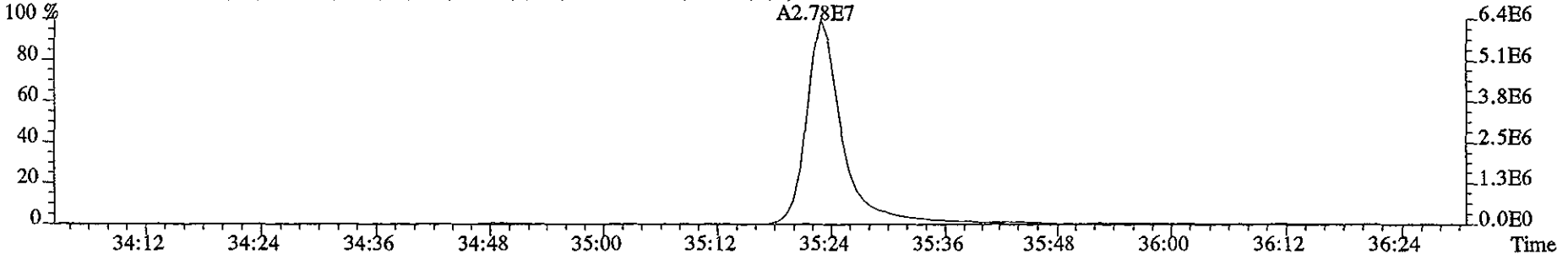
425.7737 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3904.0,1.00%,F,T)



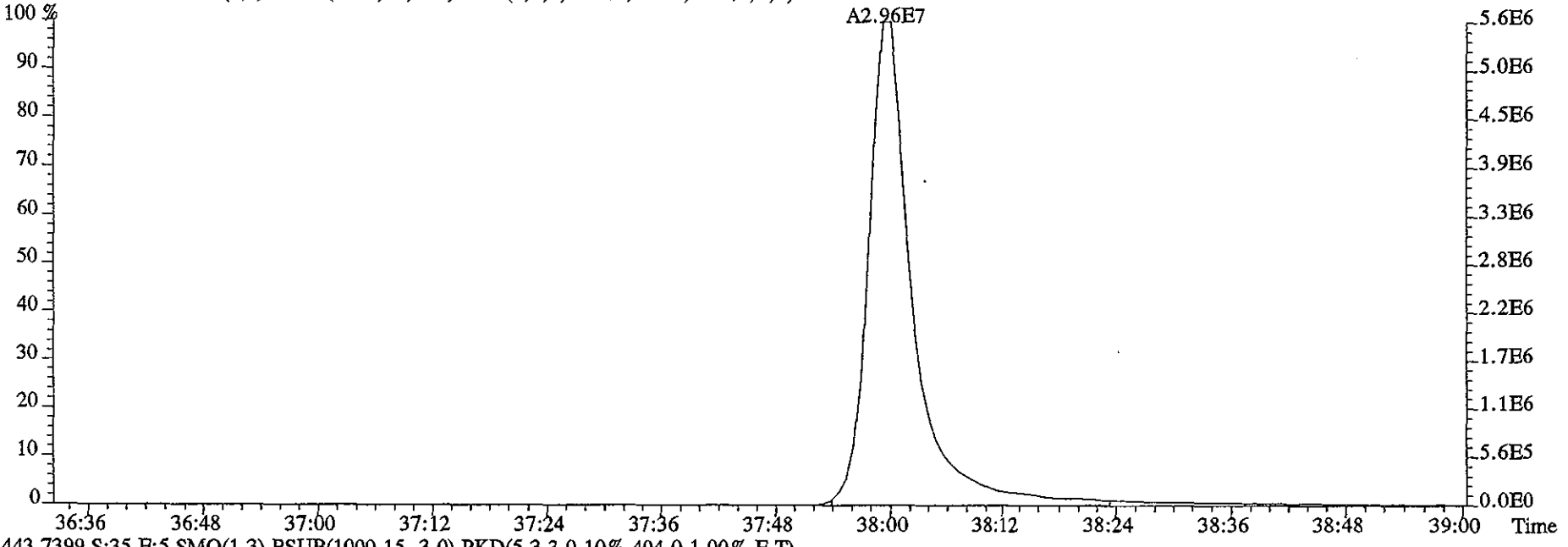
435.8169 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,256.0,1.00%,F,T)



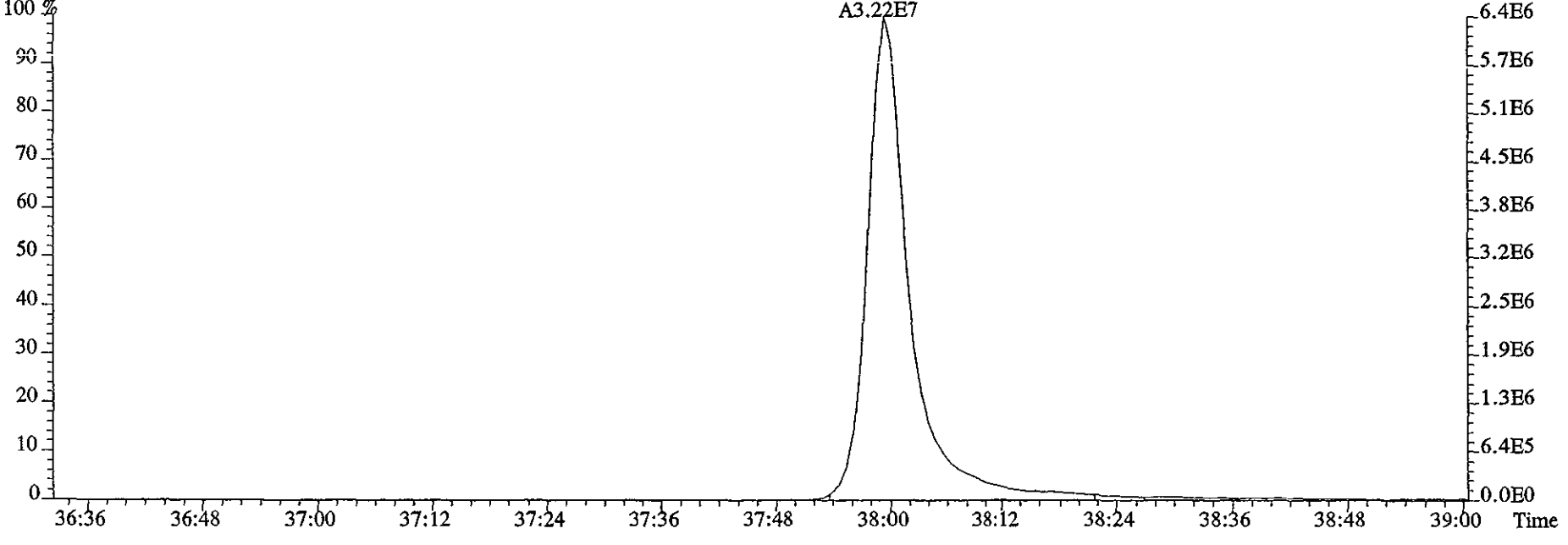
437.8140 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160.0,1.00%,F,T)



File:07MY104D5 #1-190 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
441.7428 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,520.0,1.00%,F,T)

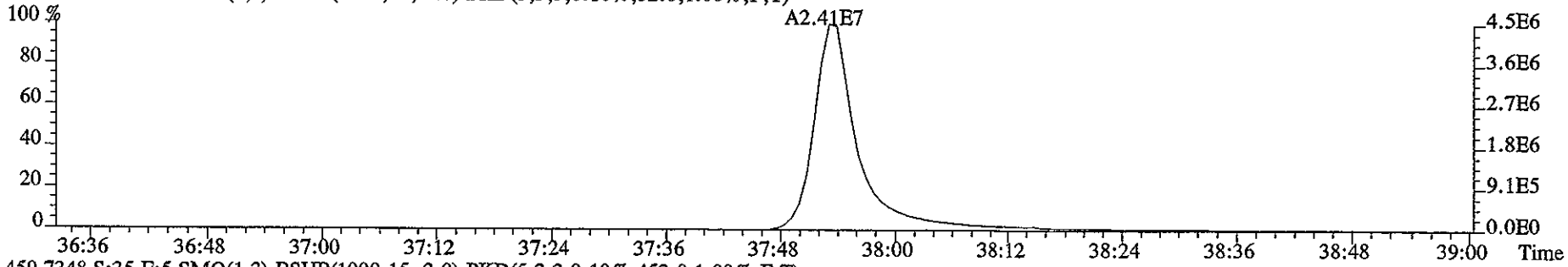


443.7399 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,404.0,1.00%,F,T)

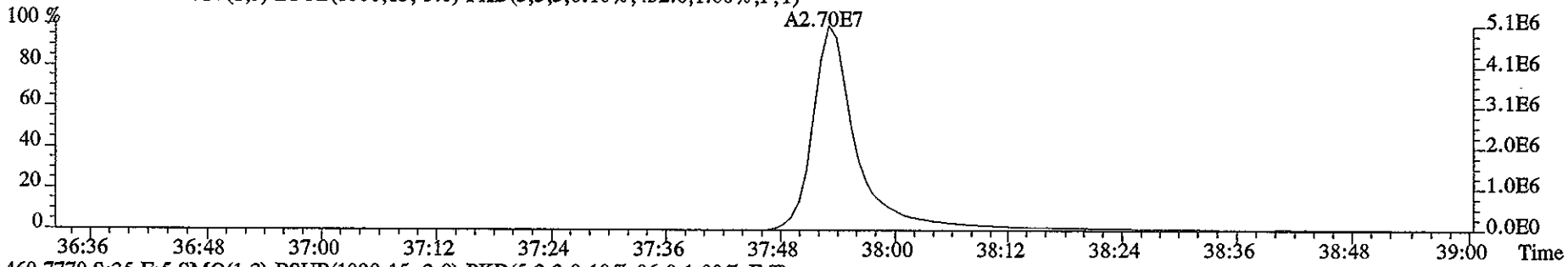


File:07MY104D5 #1-190 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

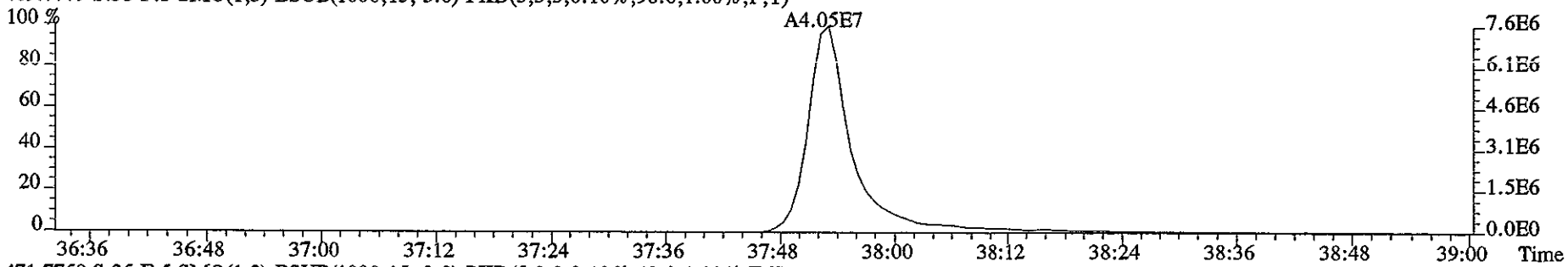
457.7377 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



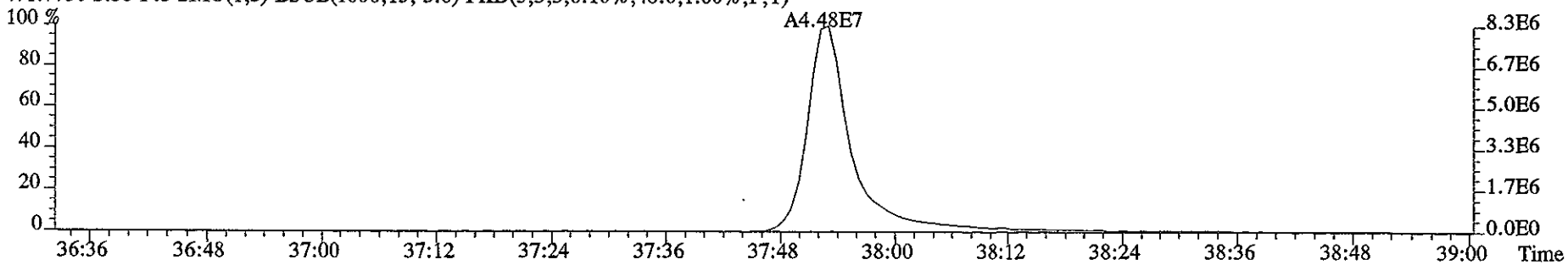
459.7348 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,452.0,1.00%,F,T)



469.7779 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)

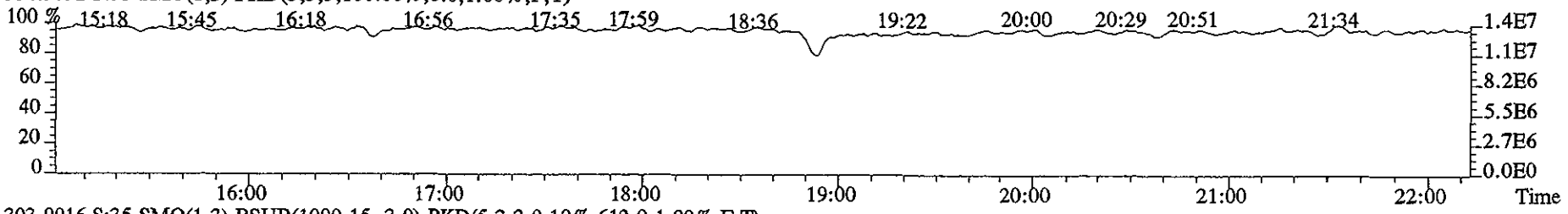


471.7750 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)

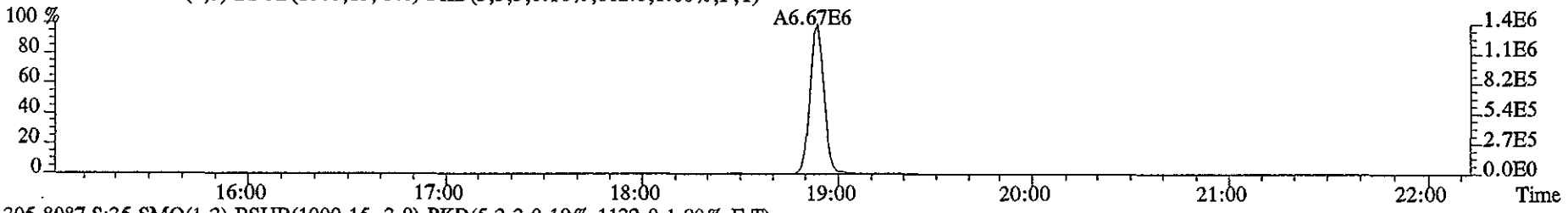


File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

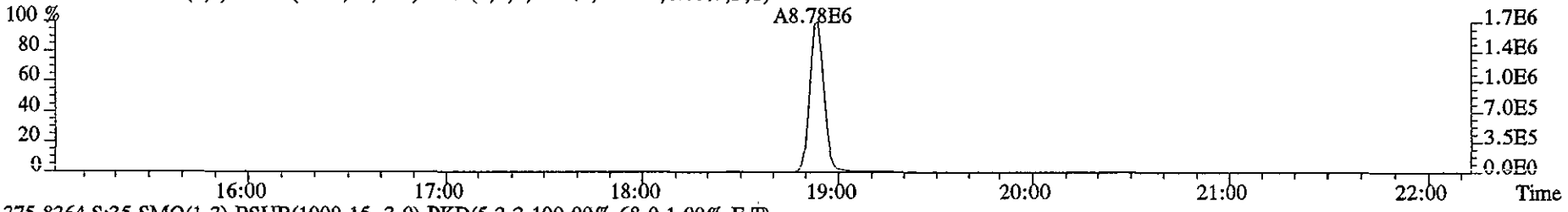
354.9792 S:35 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



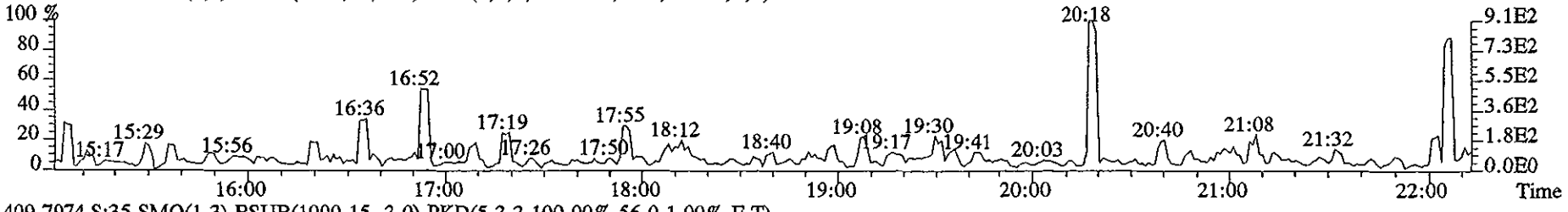
303.9016 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



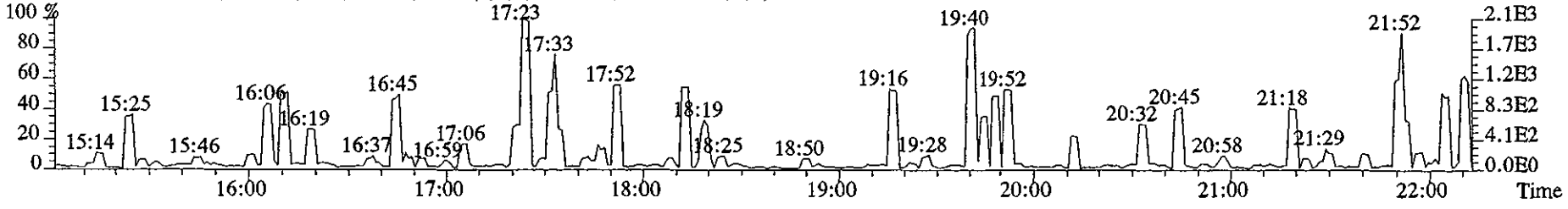
305.8987 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)



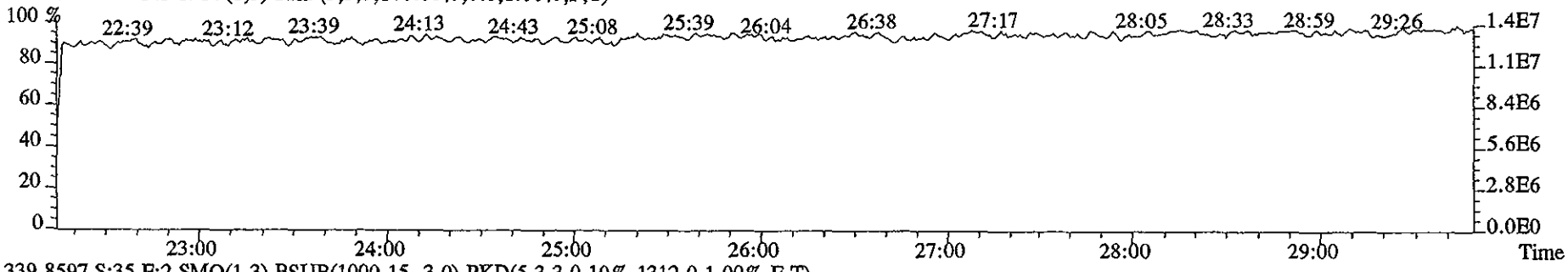
375.8364 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,68.0,1.00%,F,T)



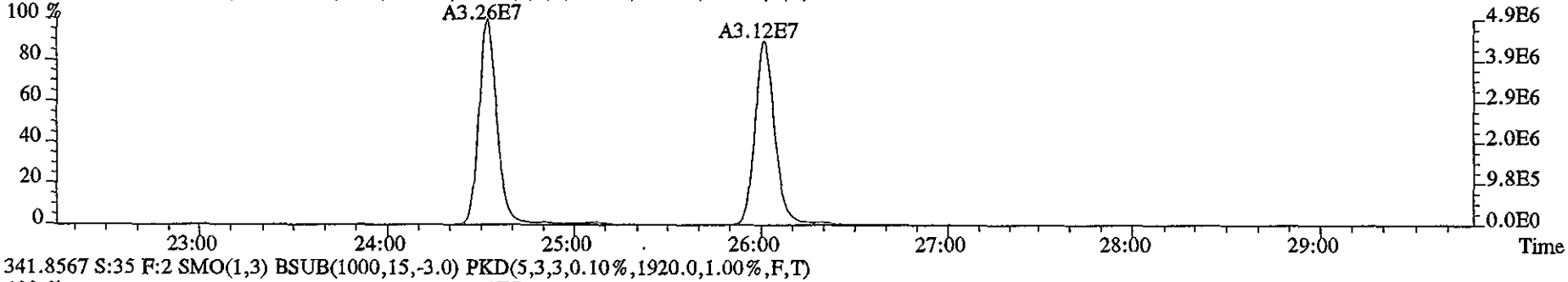
409.7974 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



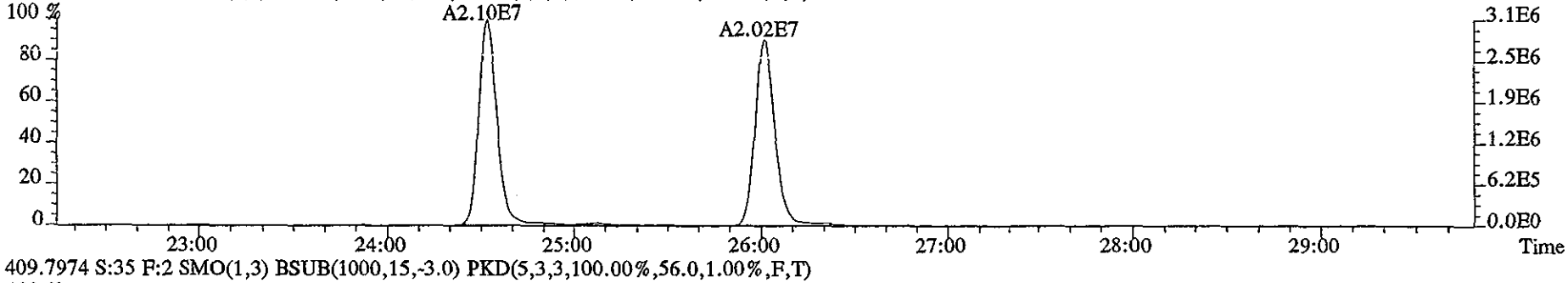
File:07MY104D5 #1-604 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
354.9792 S:35 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



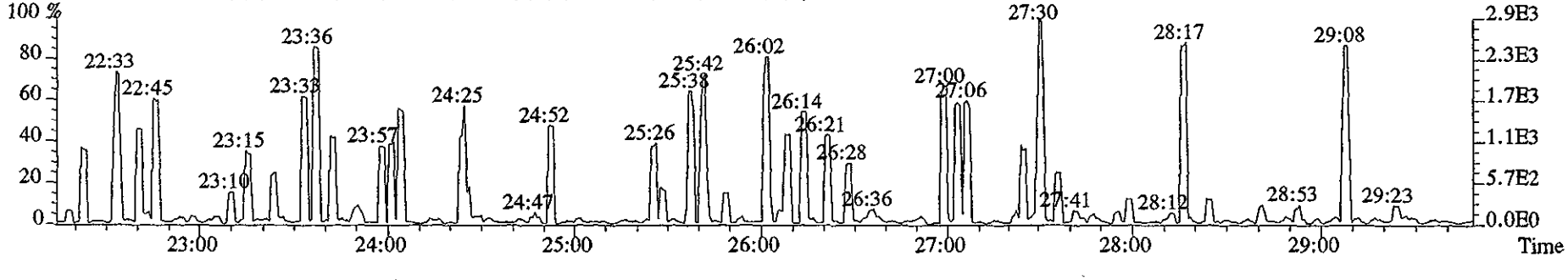
339.8597 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1312.0,1.00%,F,T)



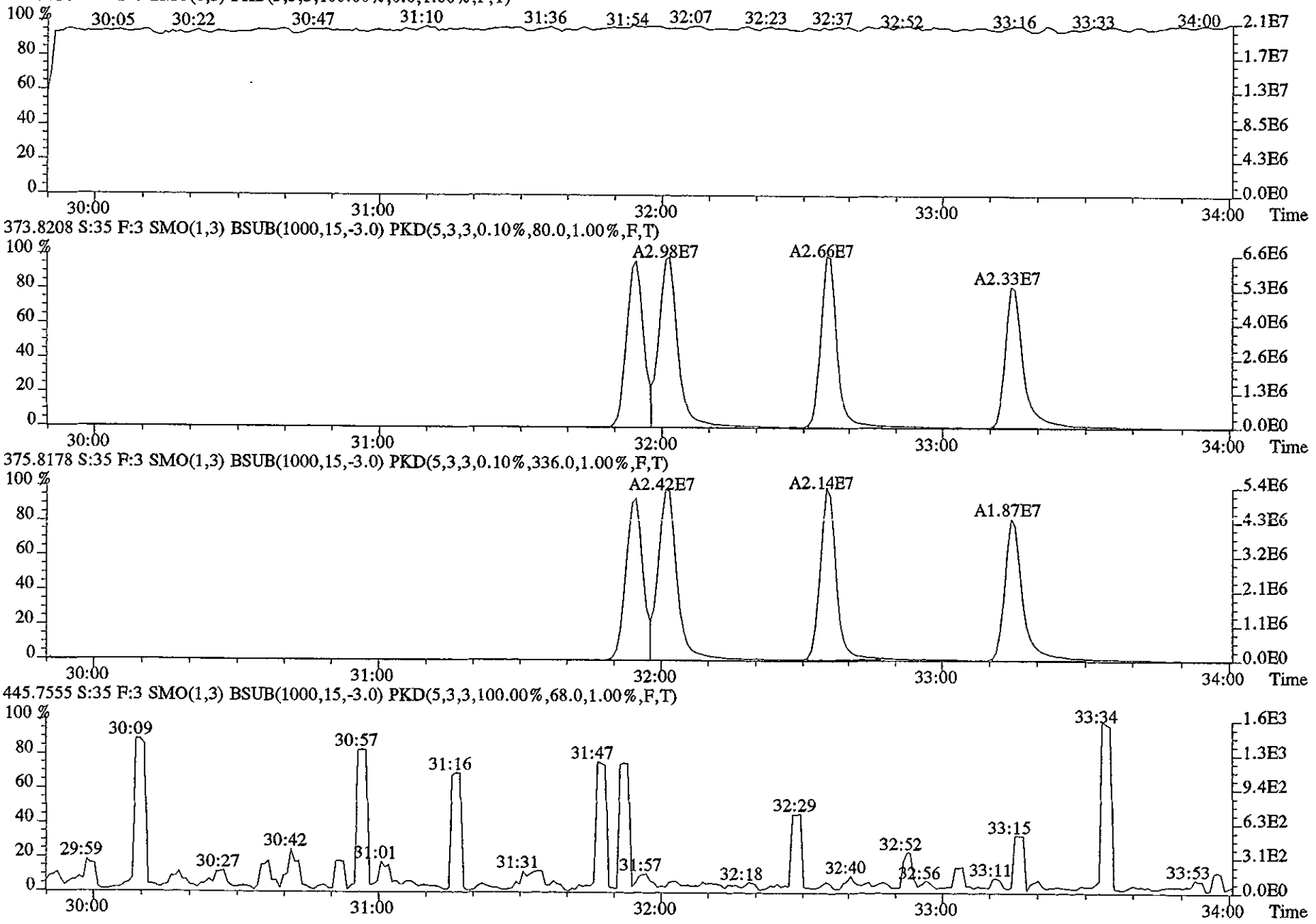
341.8567 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)



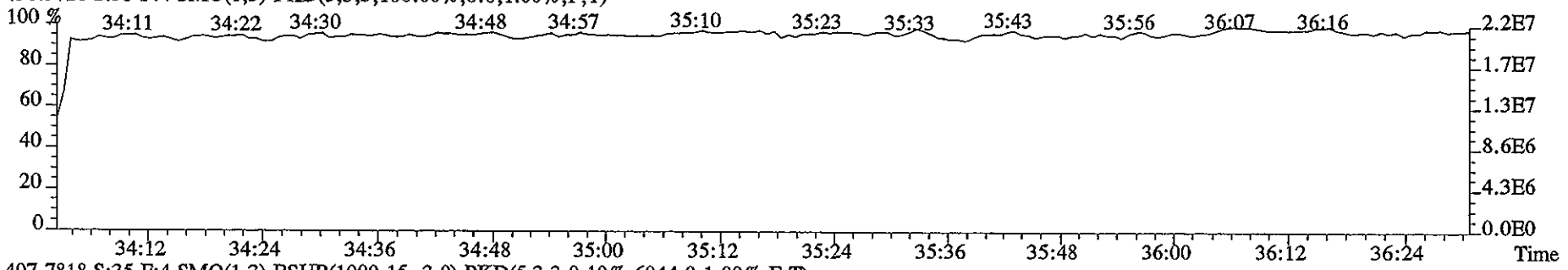
409.7974 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)

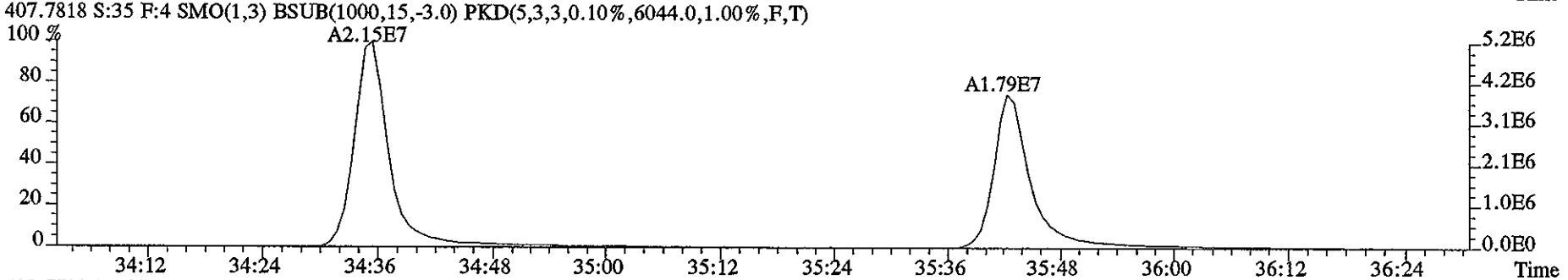


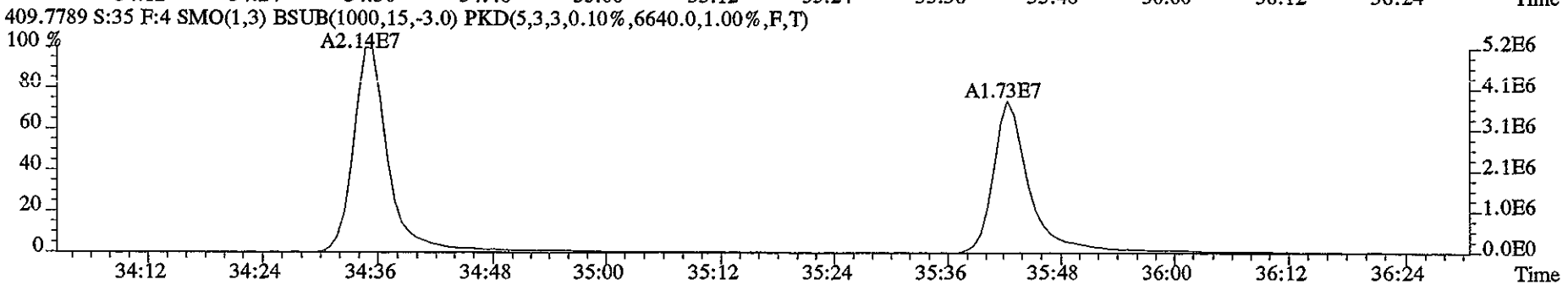
File:07MY104D5 #1-317 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

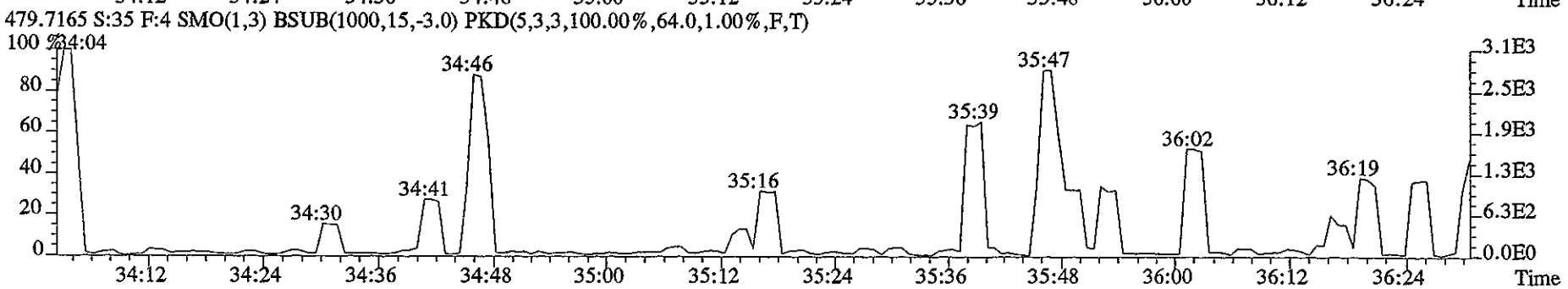


File:07MY104D5 #1-198 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

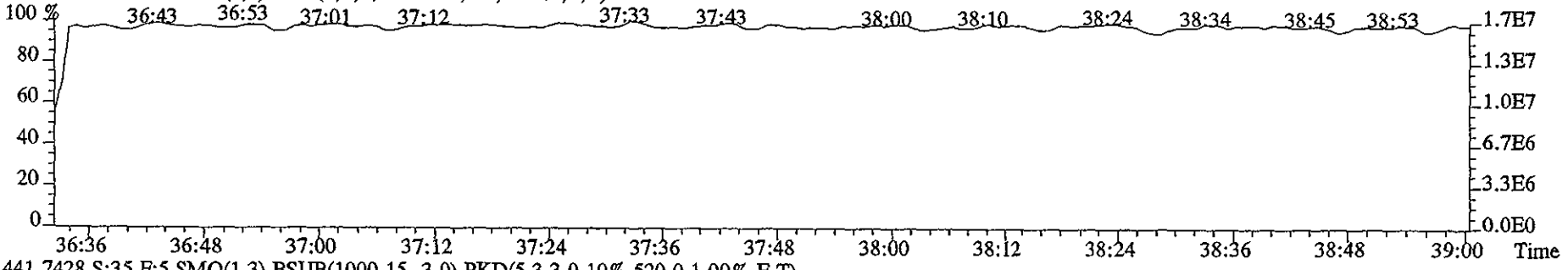


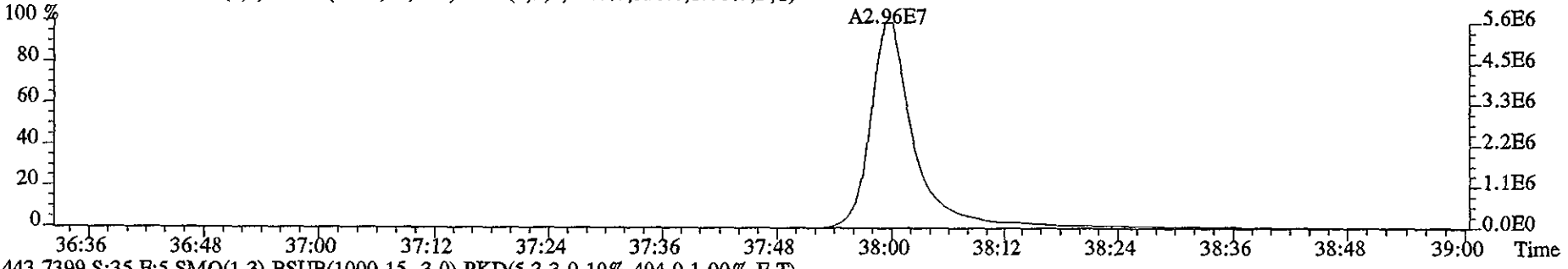


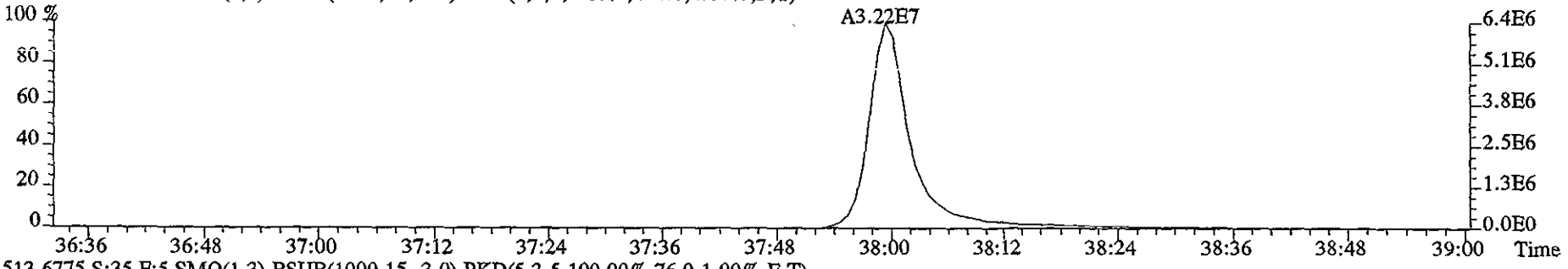


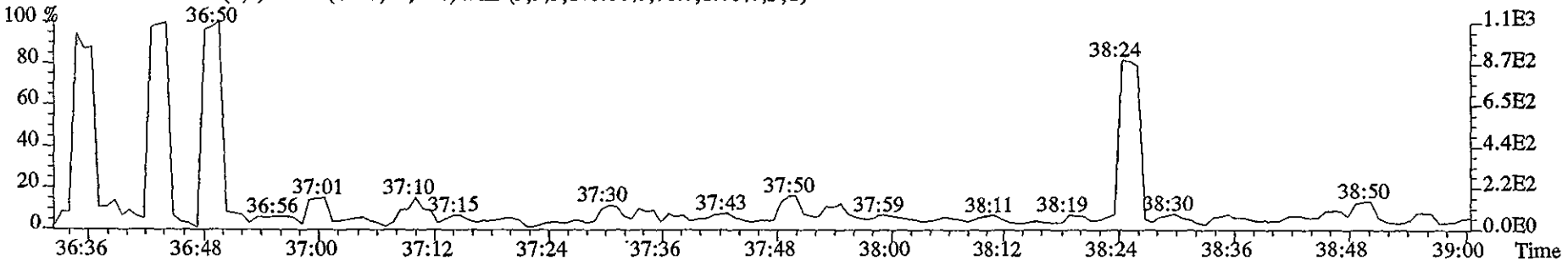


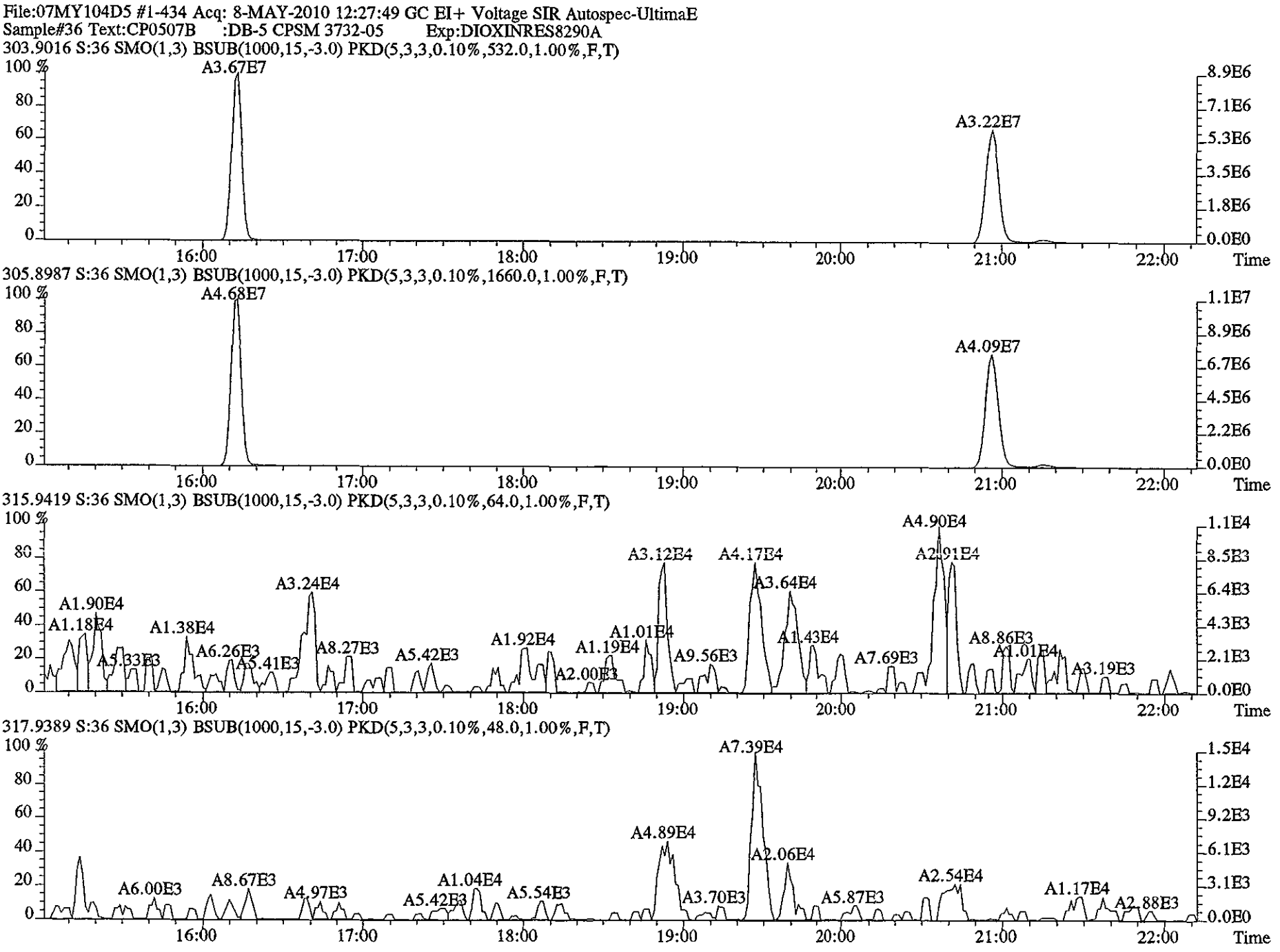
File:07MY104D5 #1-190 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A



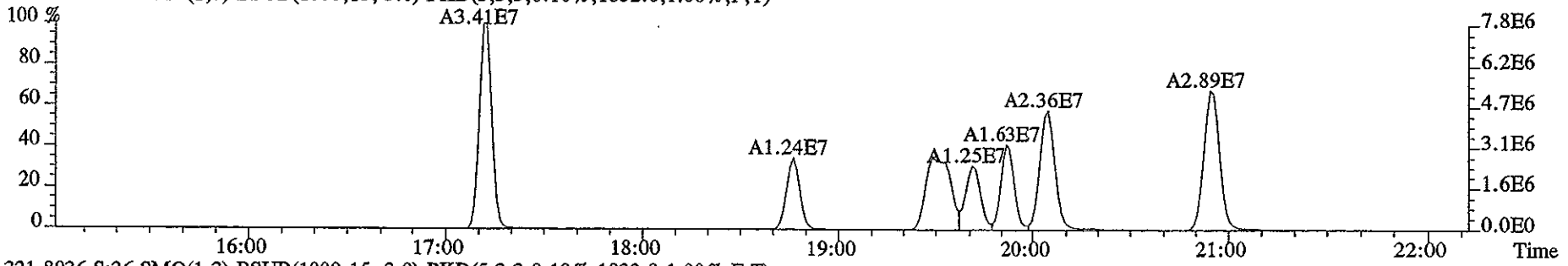




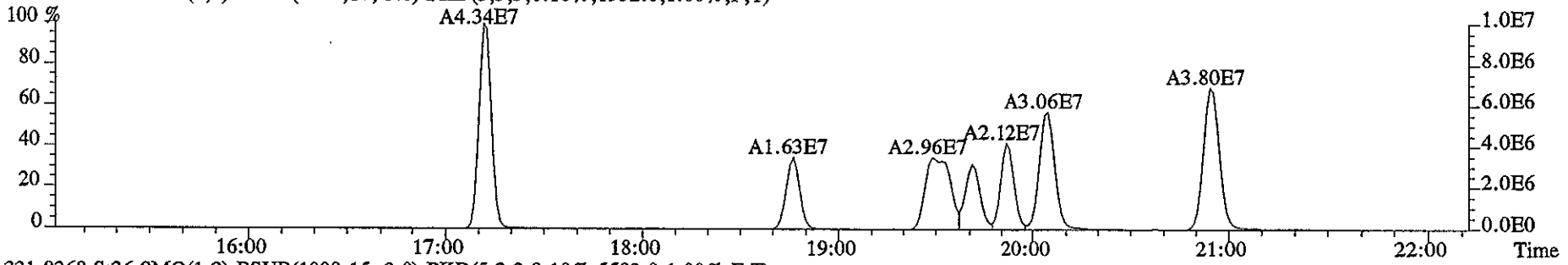




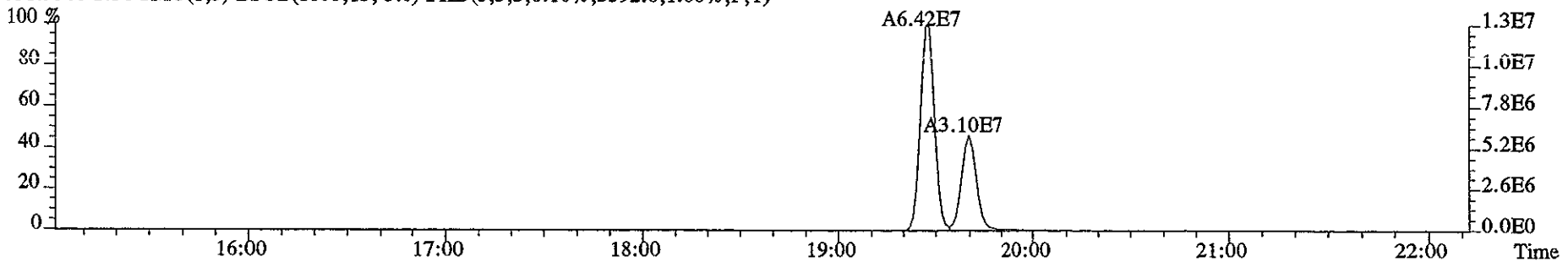
File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
319.8965 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1852.0,1.00%,F,T)



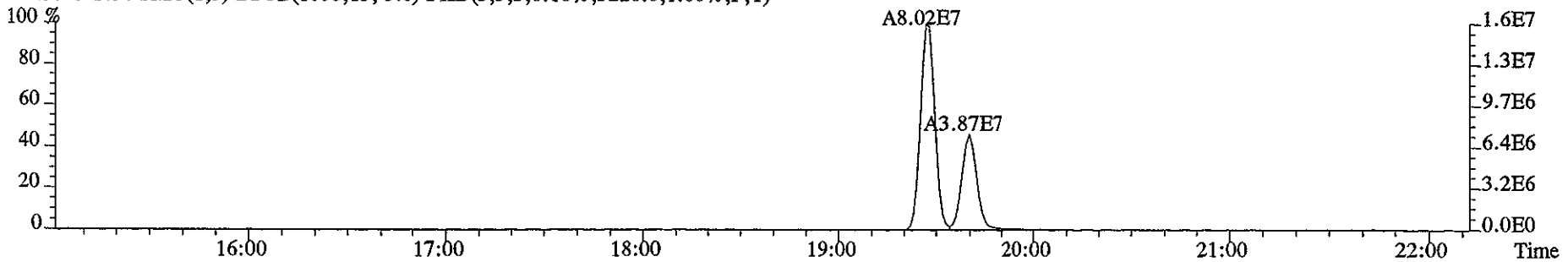
321.8936 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1932.0,1.00%,F,T)



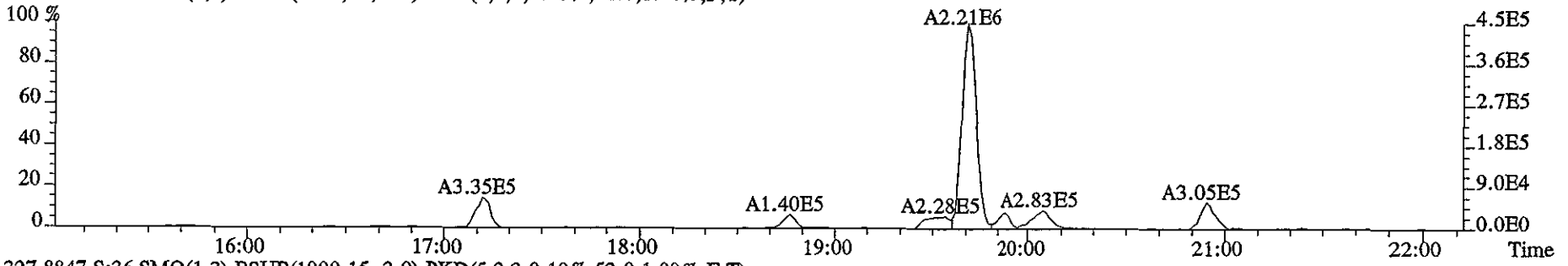
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5592.0,1.00%,F,T)



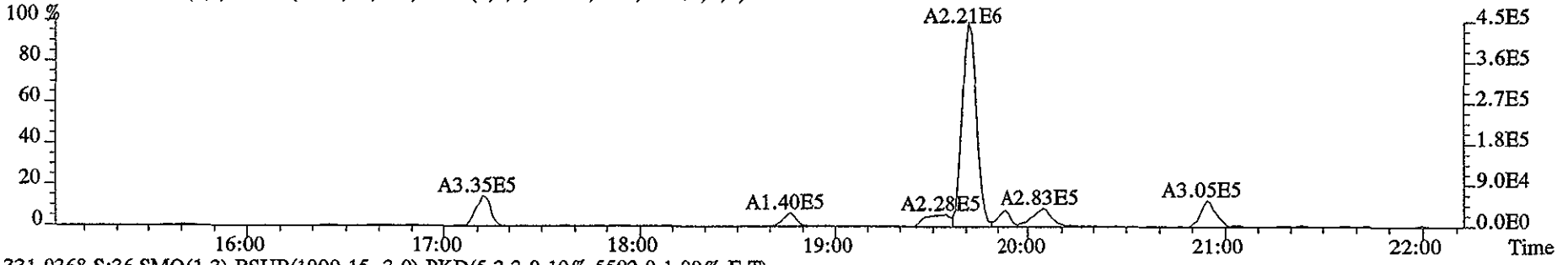
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



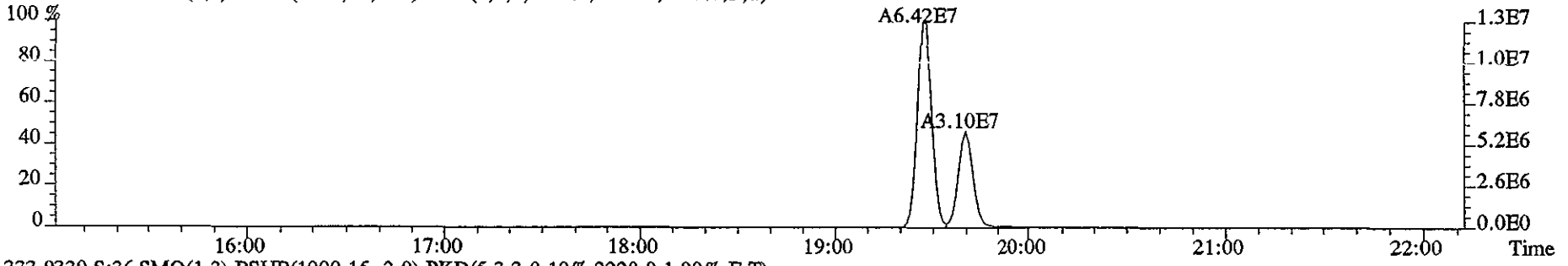
File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



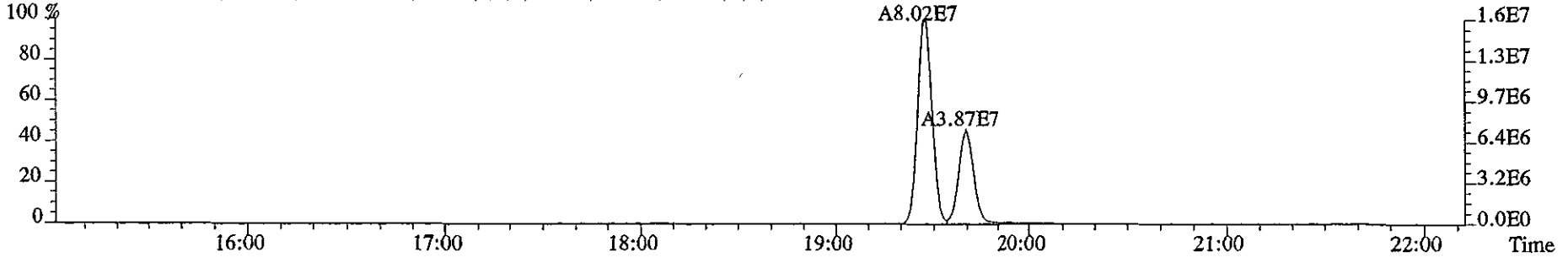
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



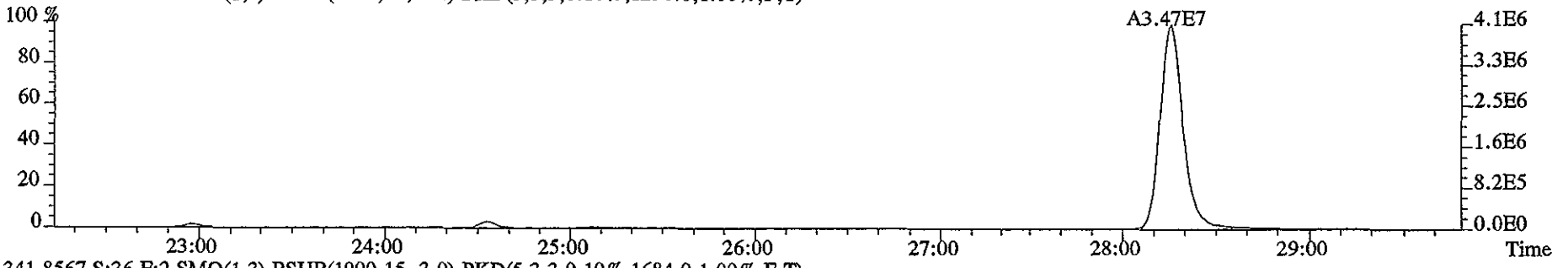
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5592.0,1.00%,F,T)



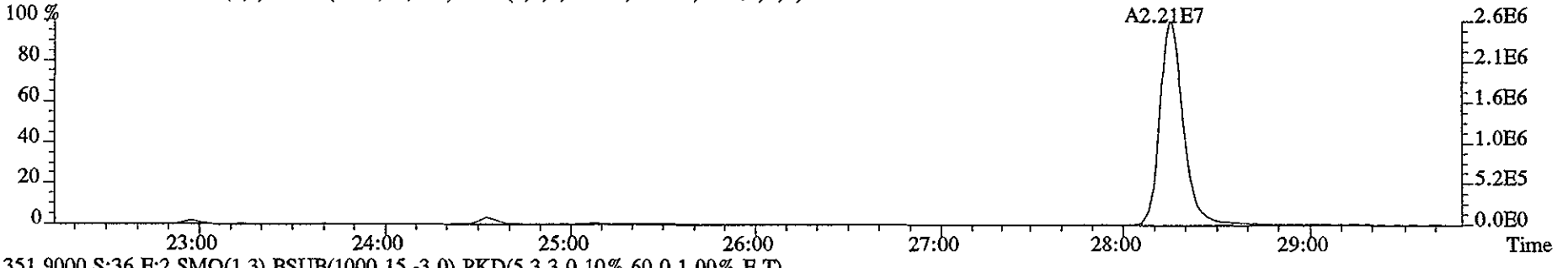
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



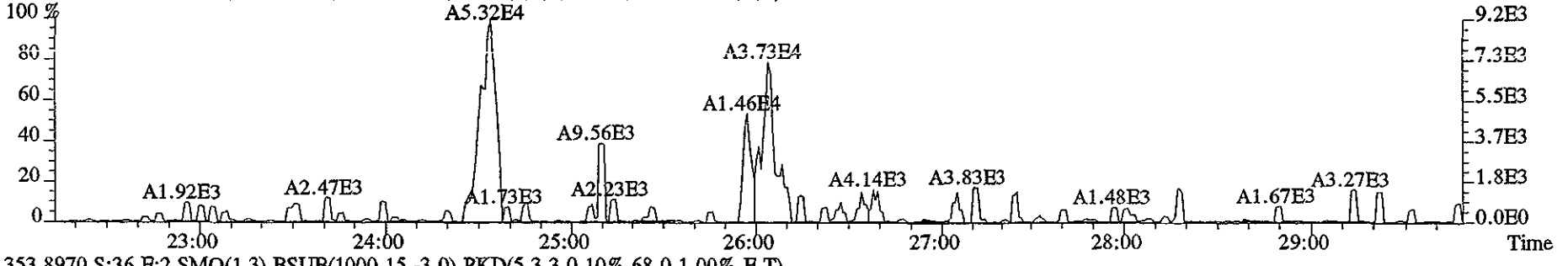
File:07MY104D5 #1-605 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



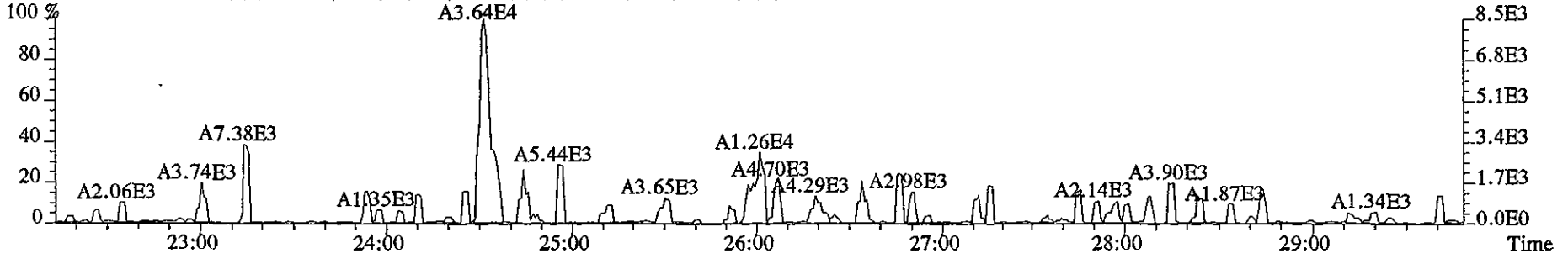
341.8567 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)



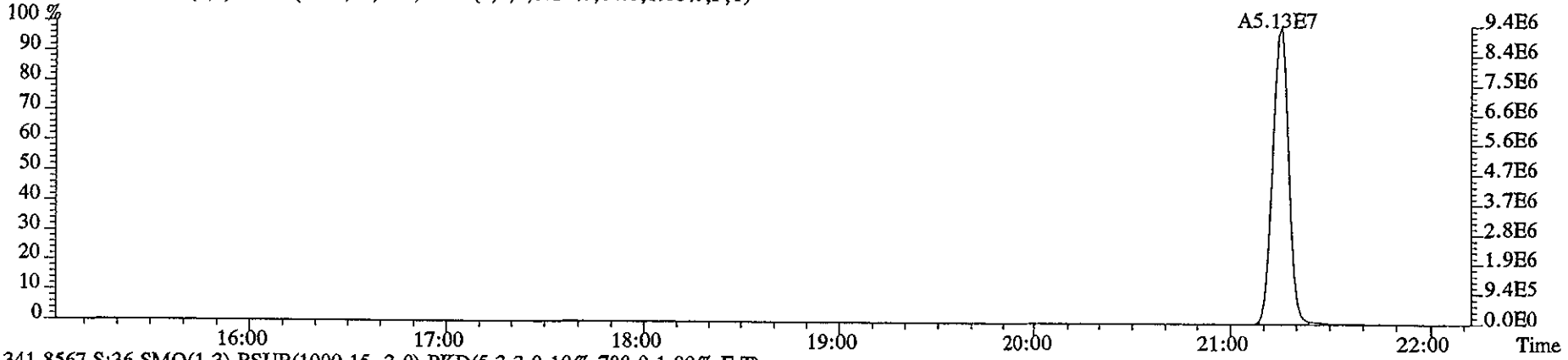
351.9000 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



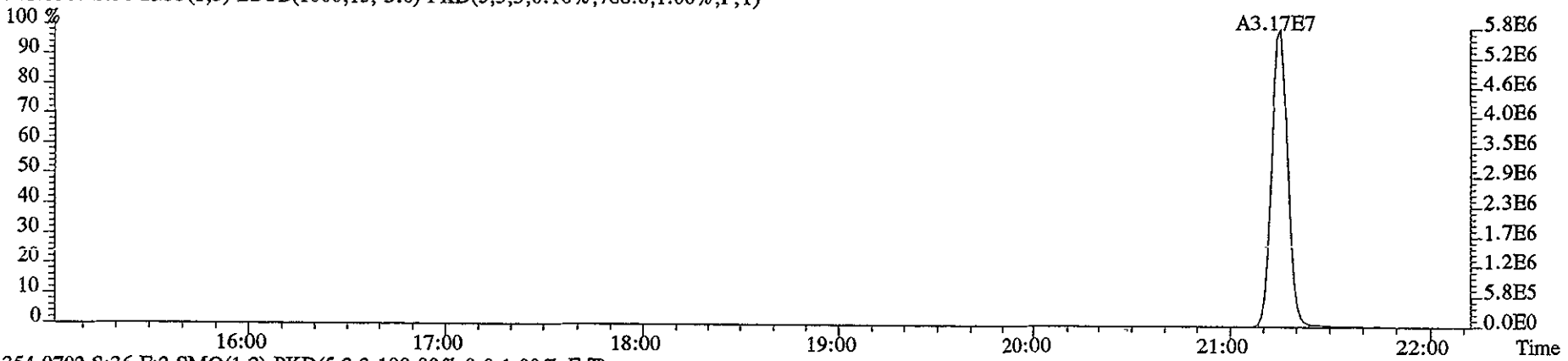
353.8970 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



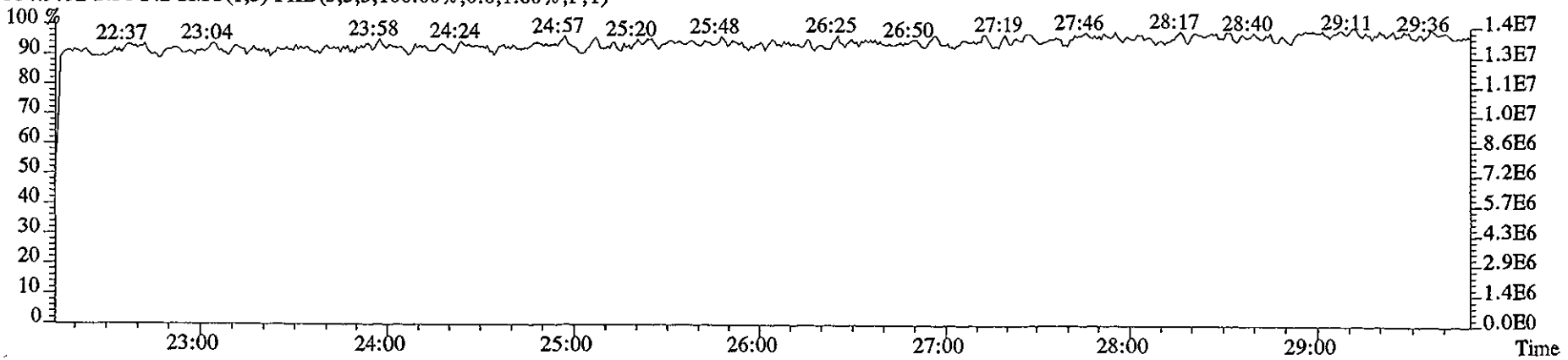
File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



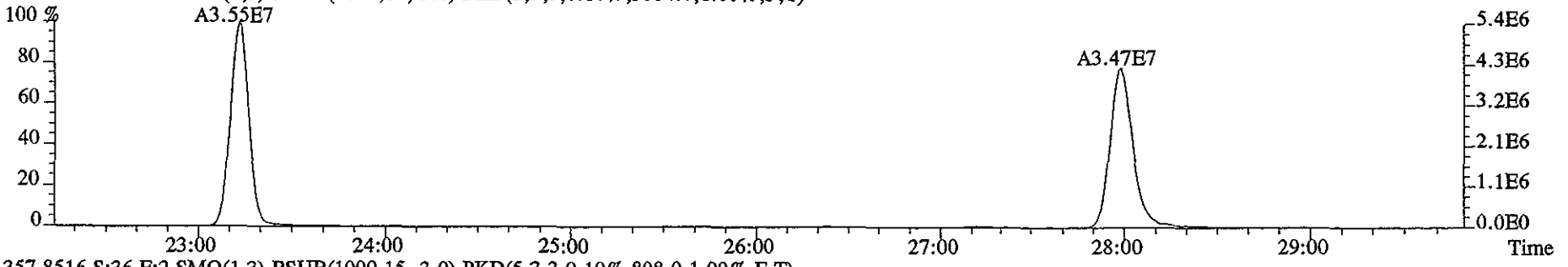
341.8567 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,788.0,1.00%,F,T)



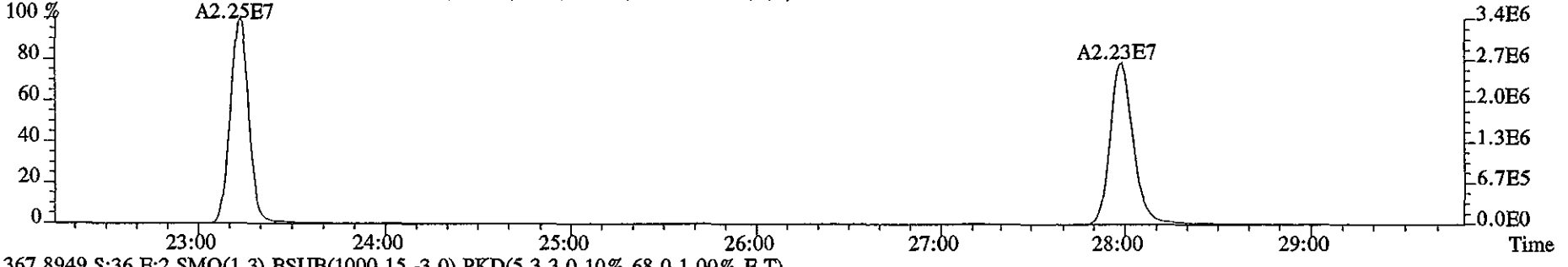
354.9792 S:36 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



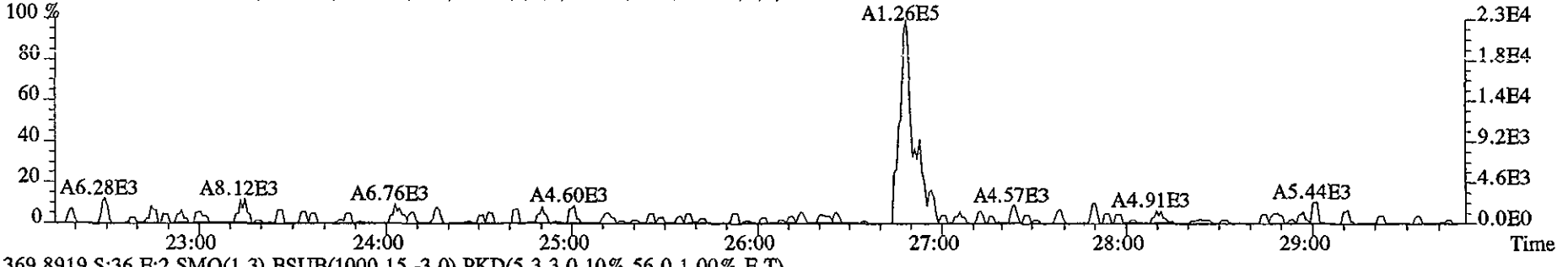
File:07MY104D5 #1-605 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
355.8546 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084.0,1.00%,F,T)



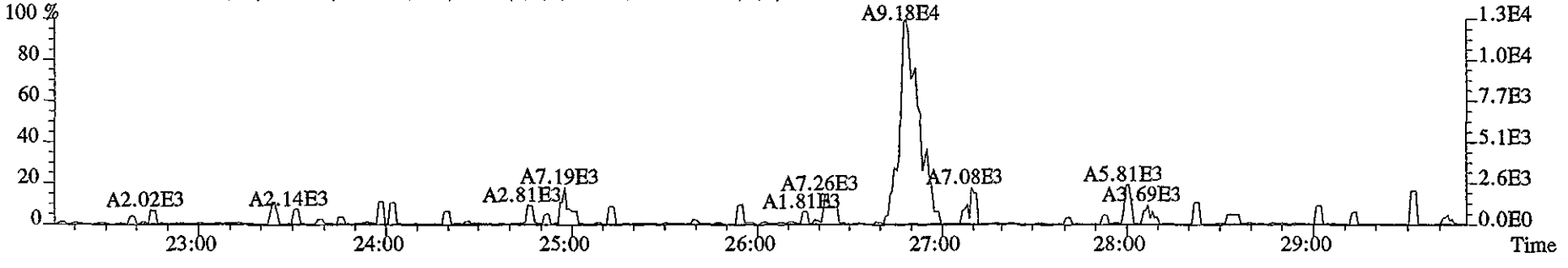
357.8516 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,808.0,1.00%,F,T)



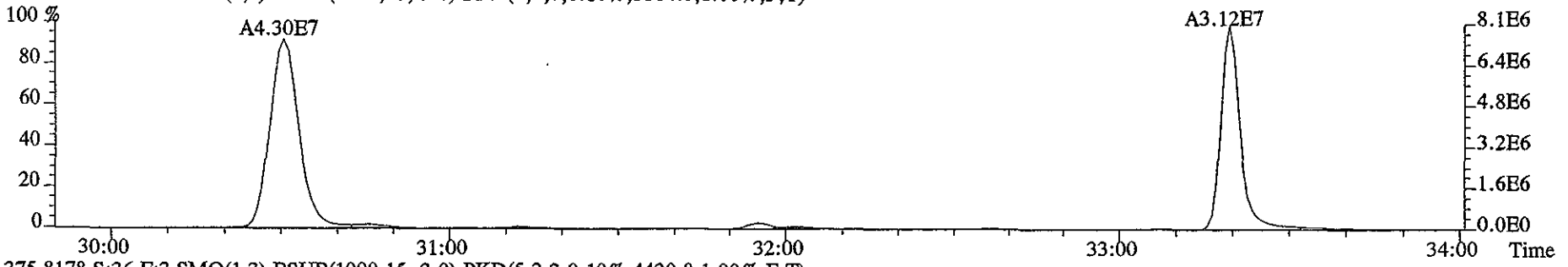
367.8949 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



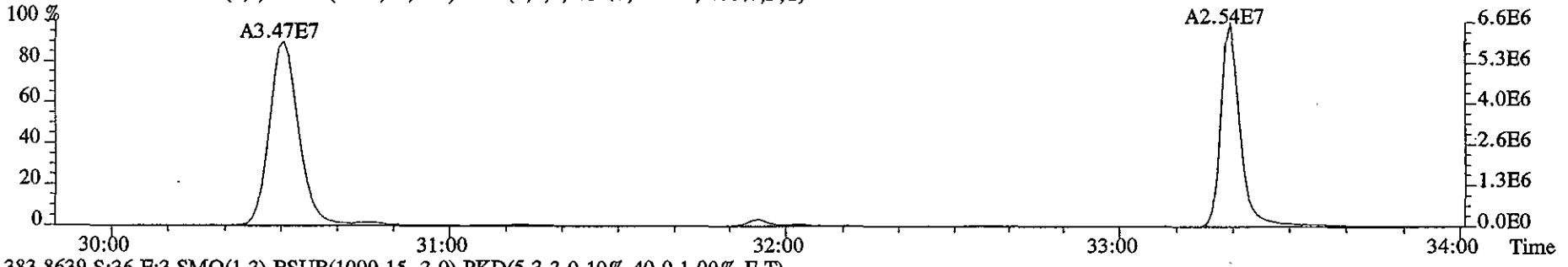
369.8919 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



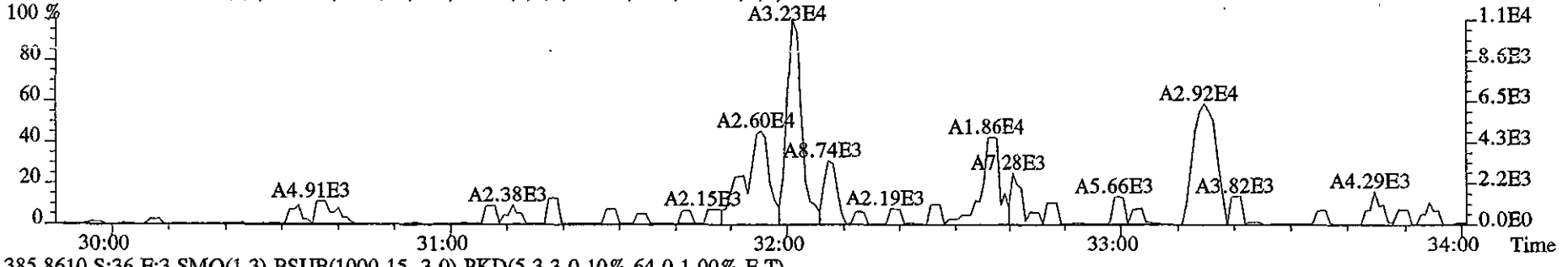
File:07MY104D5 #1-317 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
373.8208 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5804.0,1.00%,F,T)



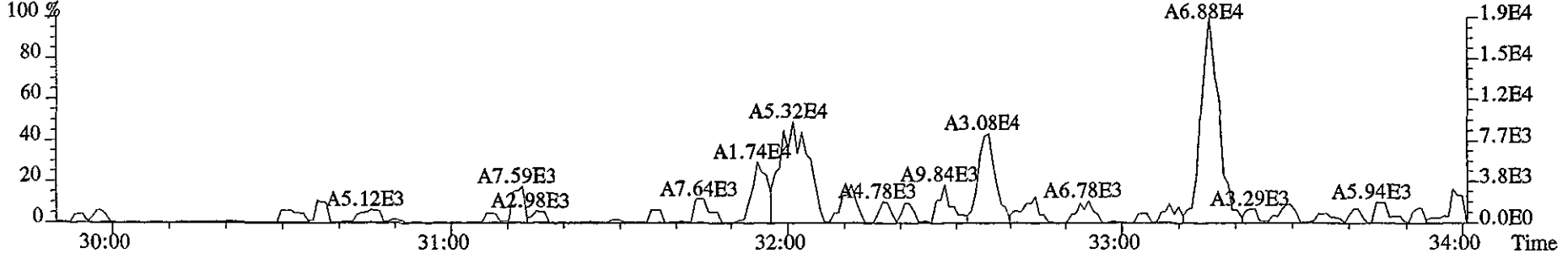
375.8178 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4420.0,1.00%,F,T)



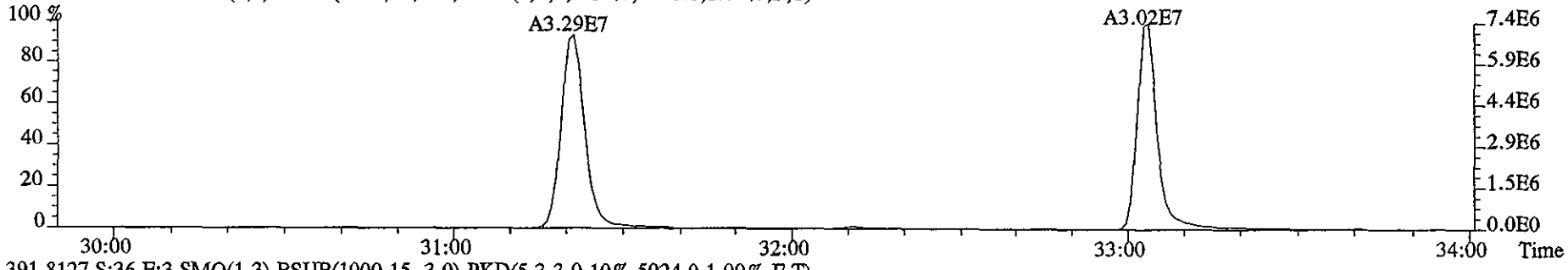
383.8639 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40.0,1.00%,F,T)

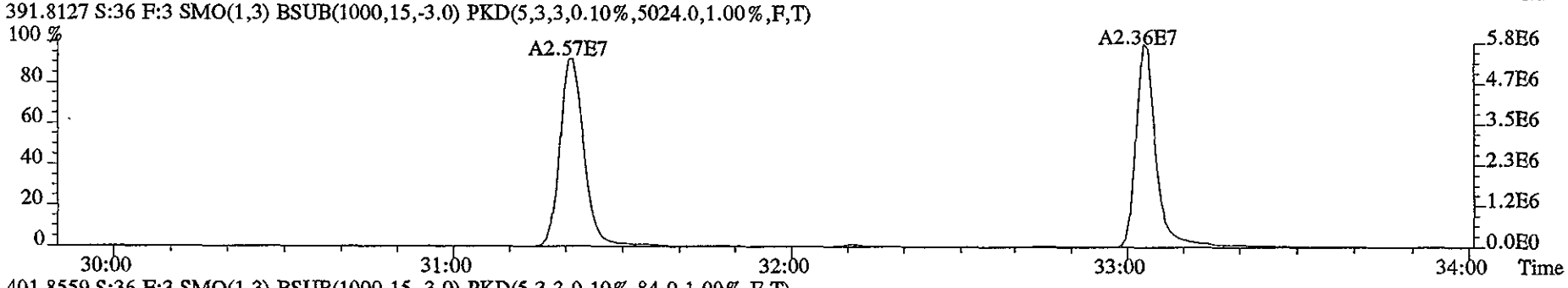


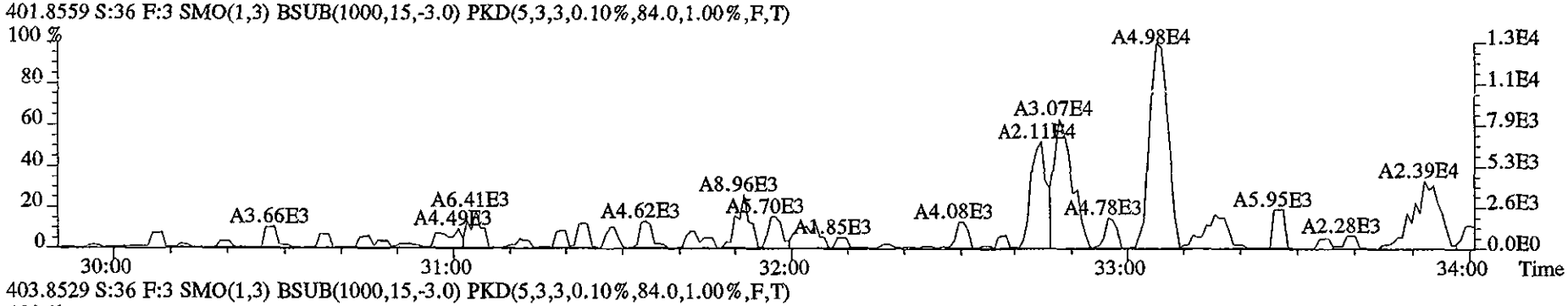
385.8610 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)

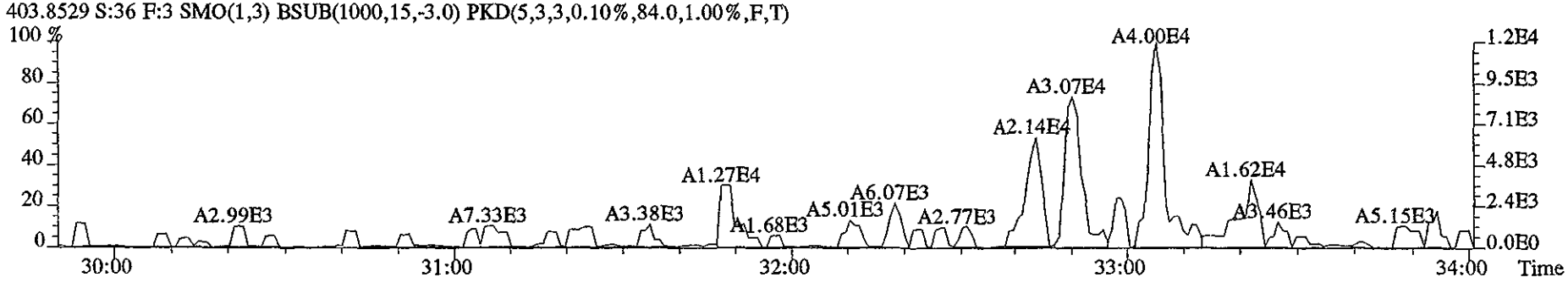


File:07MY104D5 #1-317 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



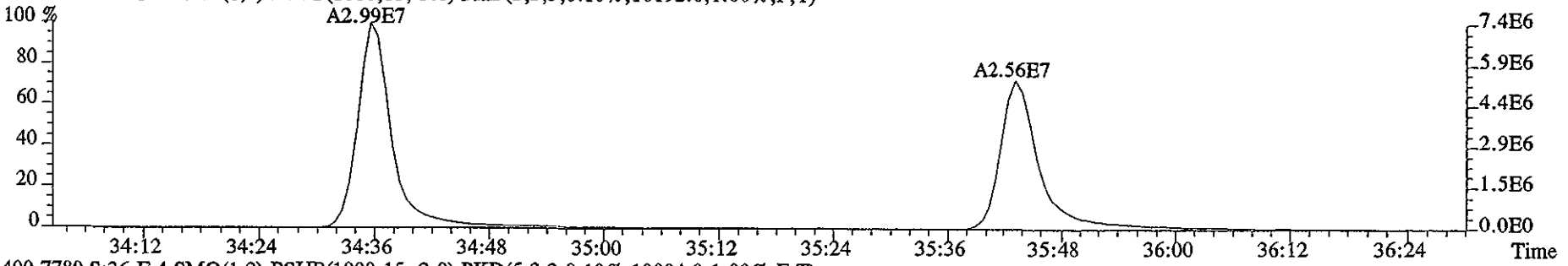




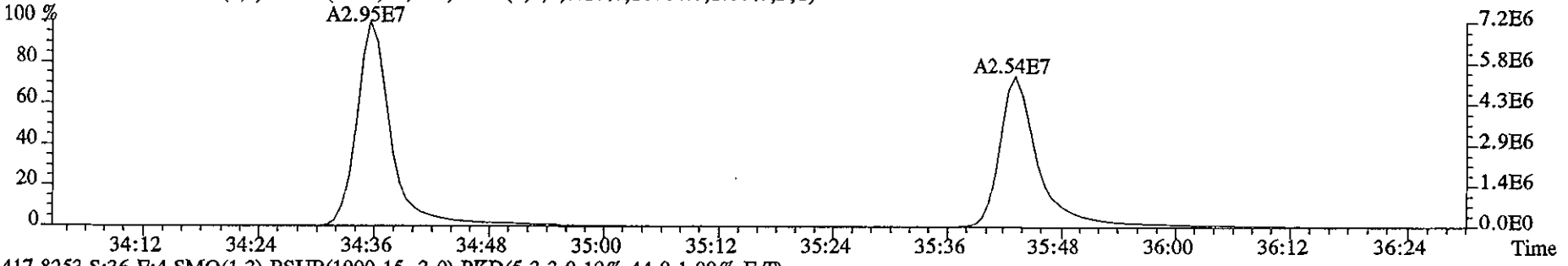


File:07MY104D5 #1-197 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

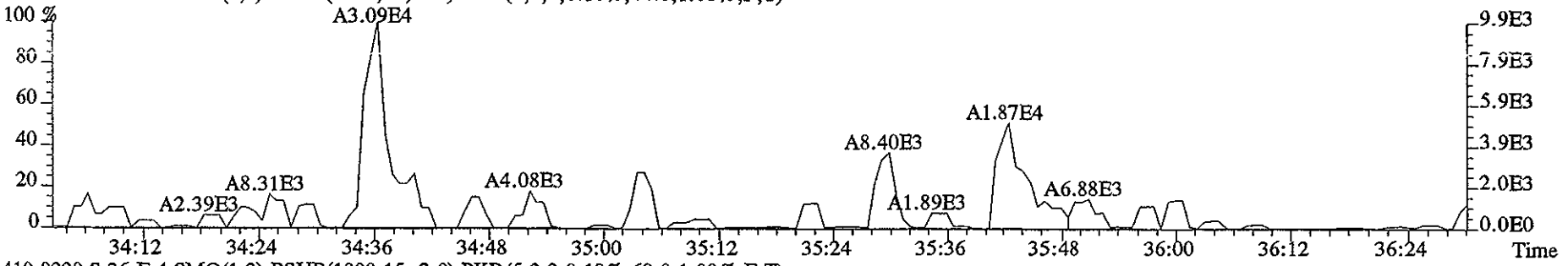
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10192.0,1.00%,F,T)



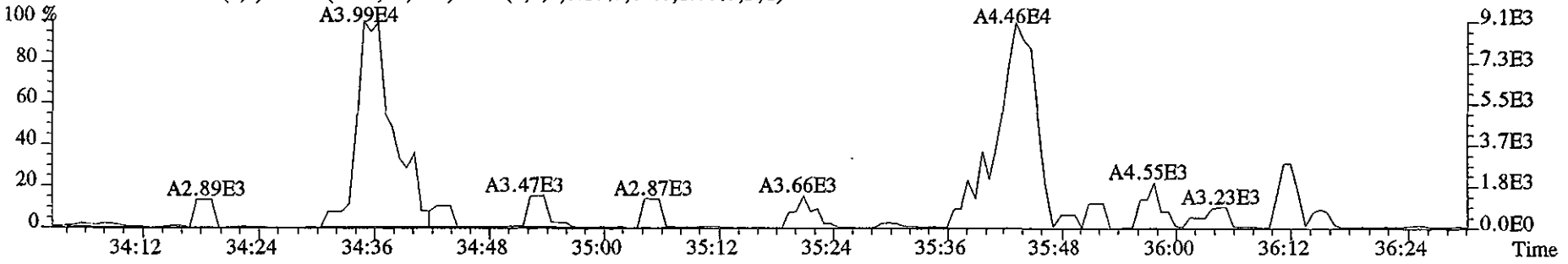
409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10084.0,1.00%,F,T)



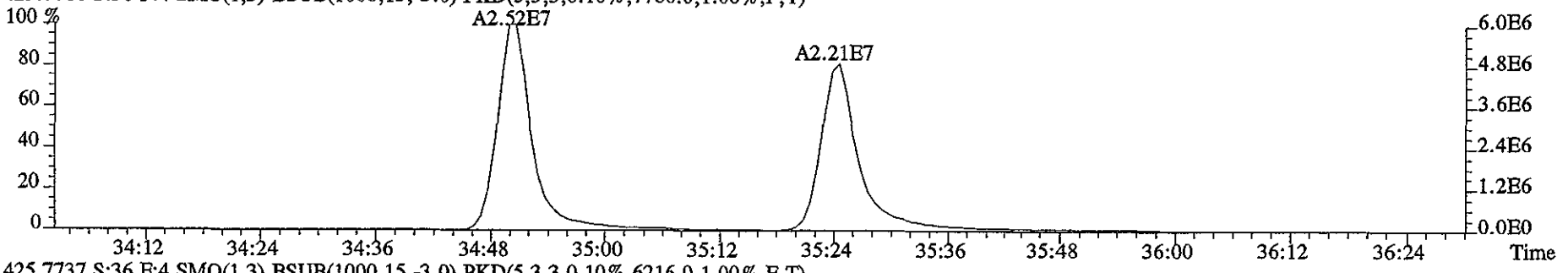
417.8253 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)

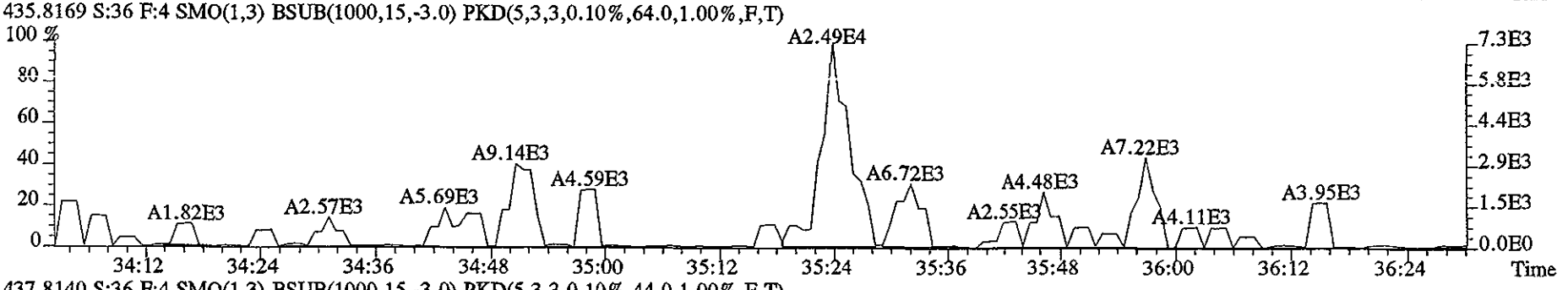


419.8220 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)

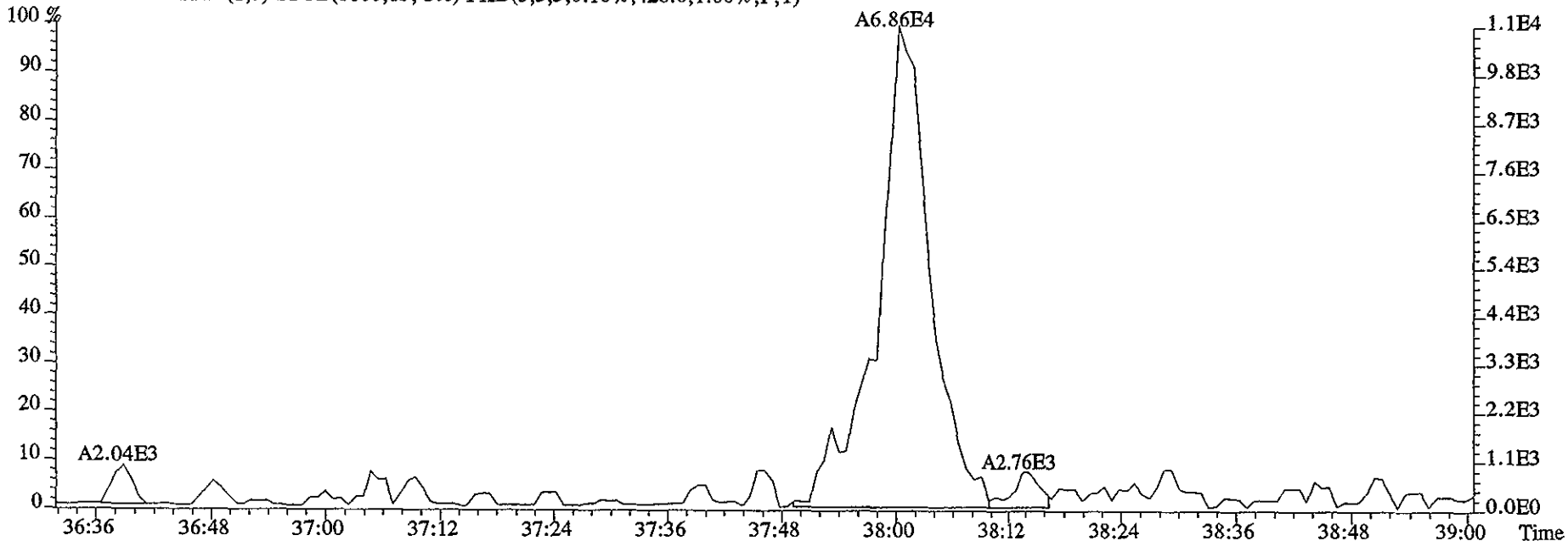


File:07MY104D5 #1-197 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

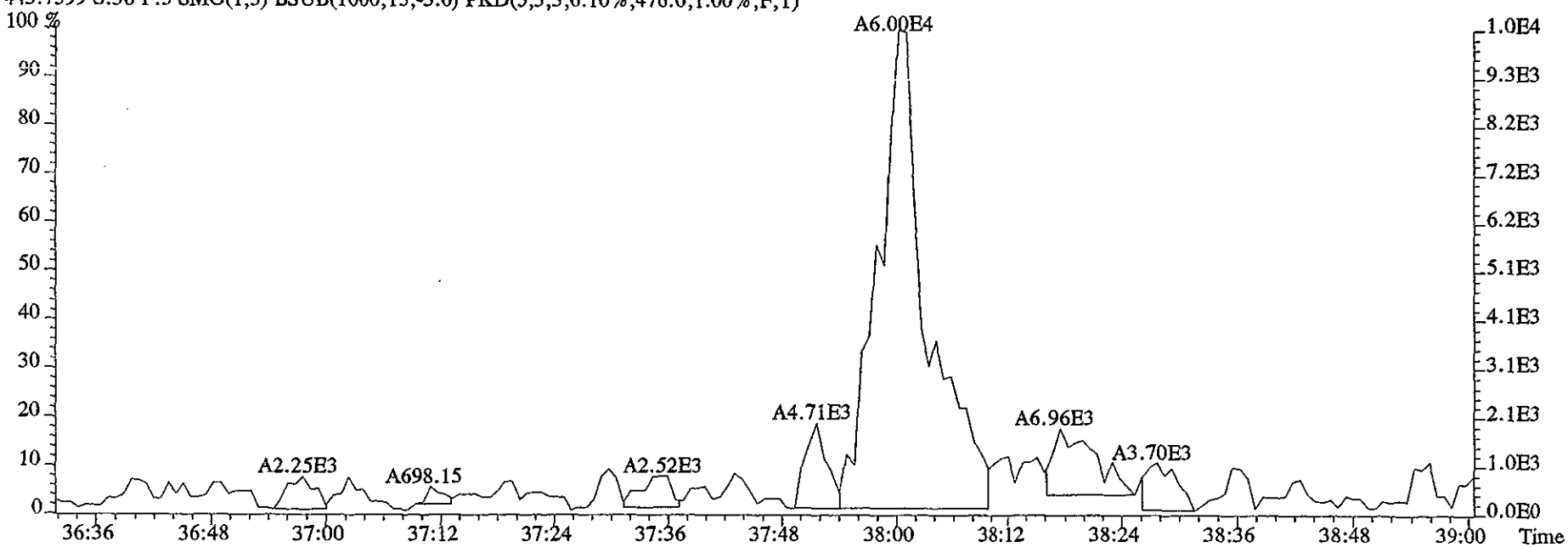




File:07MY104D5 #1-191 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,428.0,1.00%,F,T)

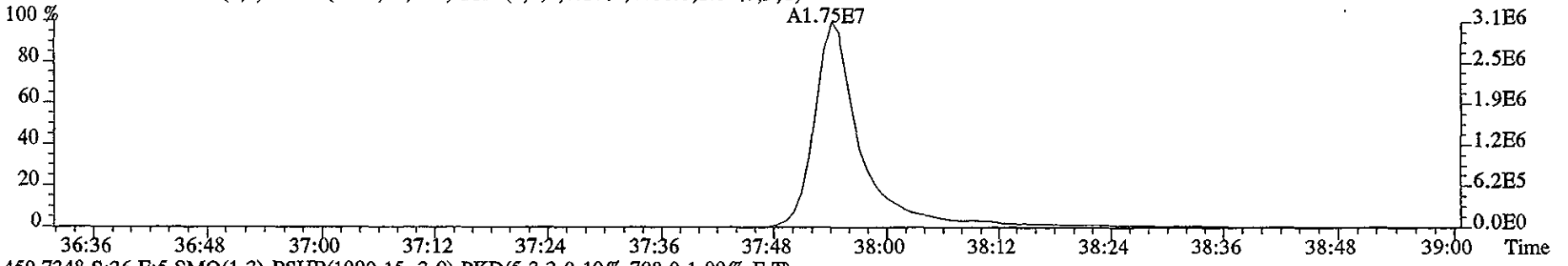


443.7399 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,476.0,1.00%,F,T)

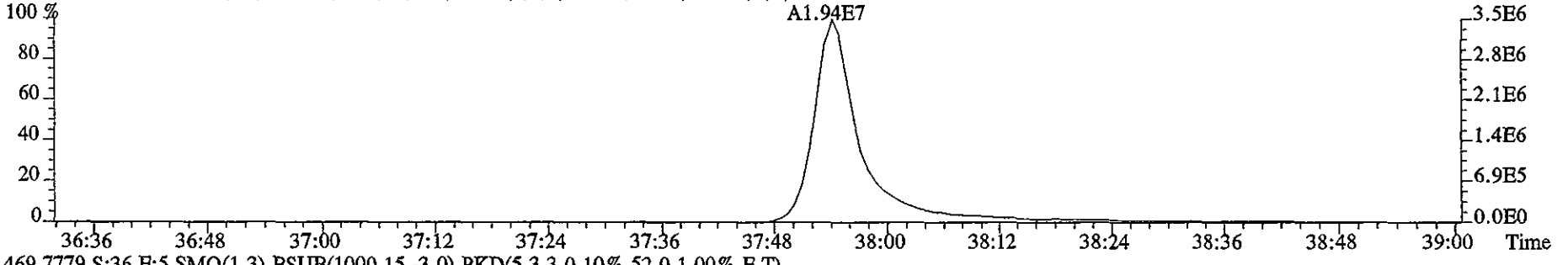


File:07MY104D5 #1-191 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

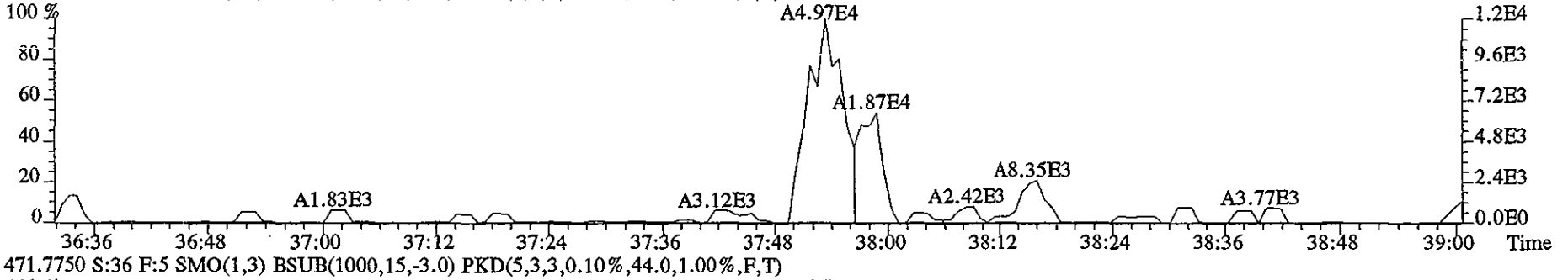
457.7377 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



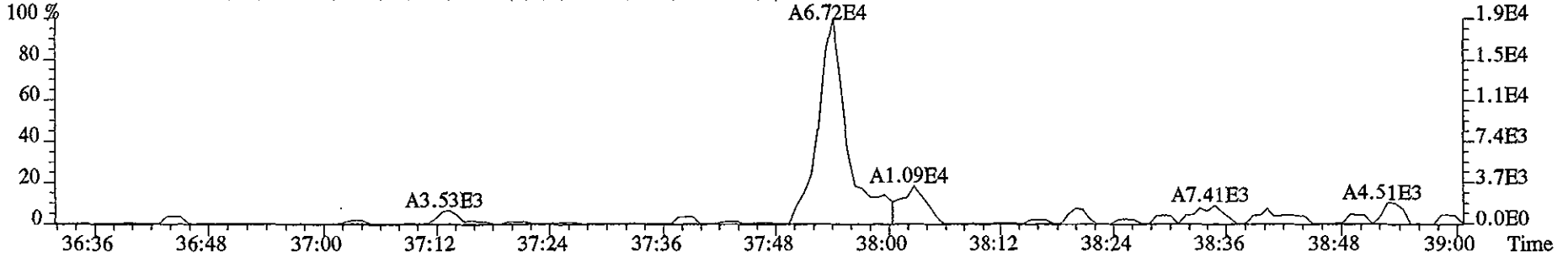
459.7348 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,708.0,1.00%,F,T)



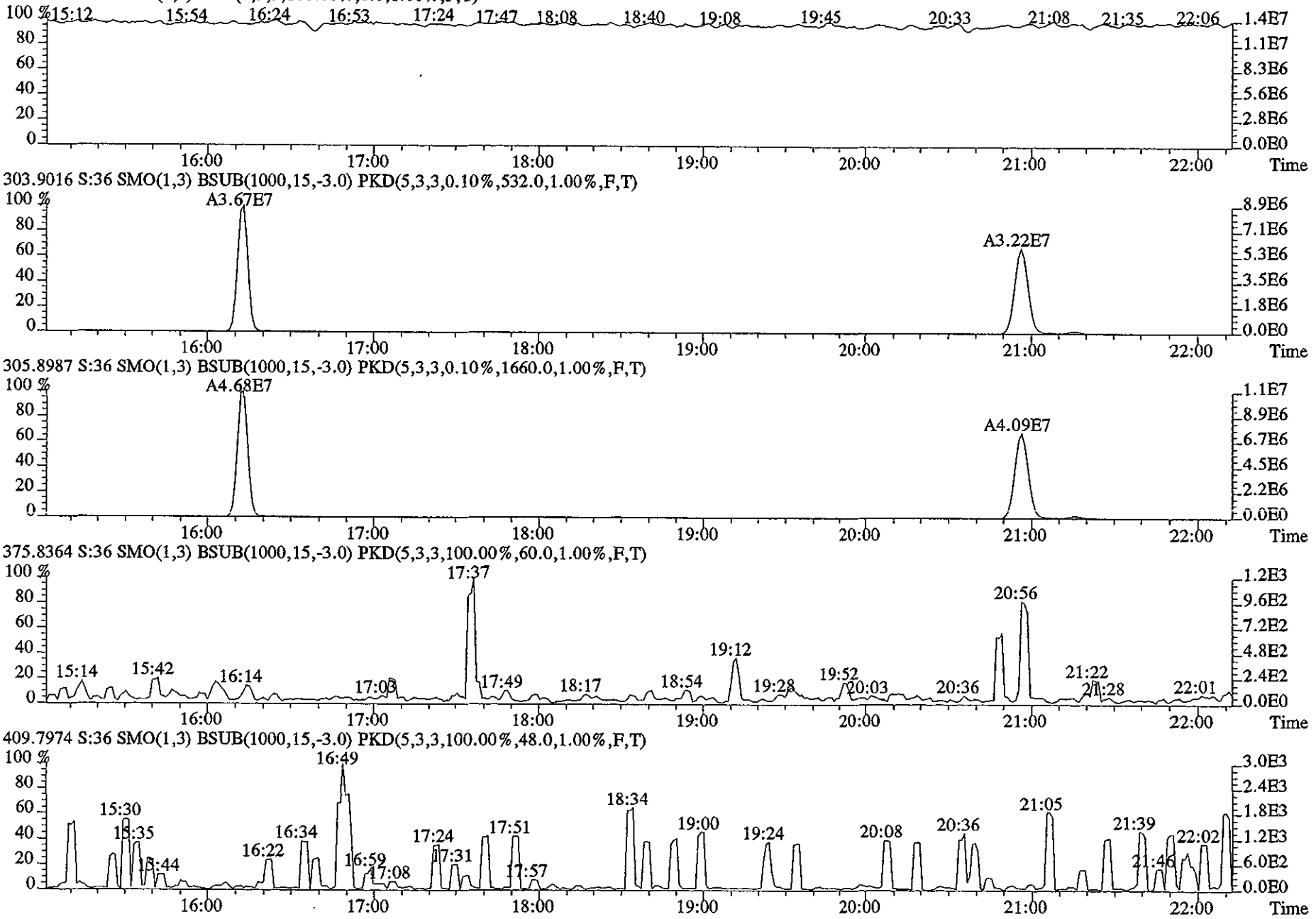
469.7779 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



471.7750 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)

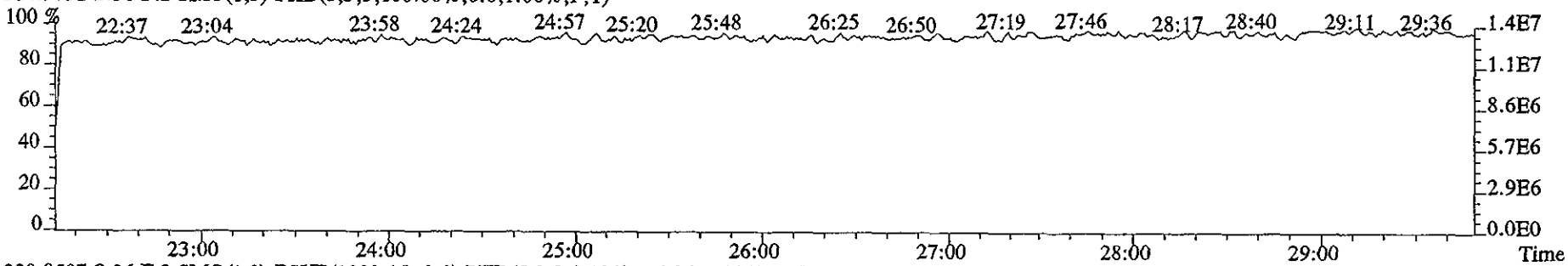


File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

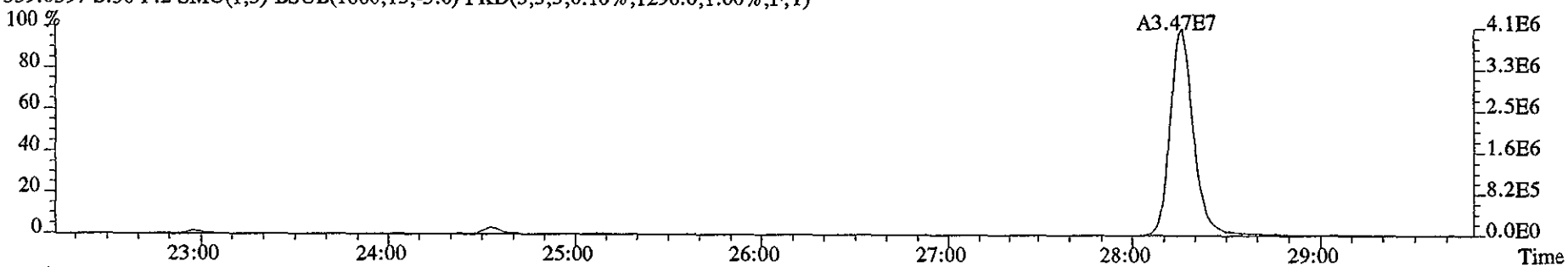


File:07MY104D5 #1-605 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

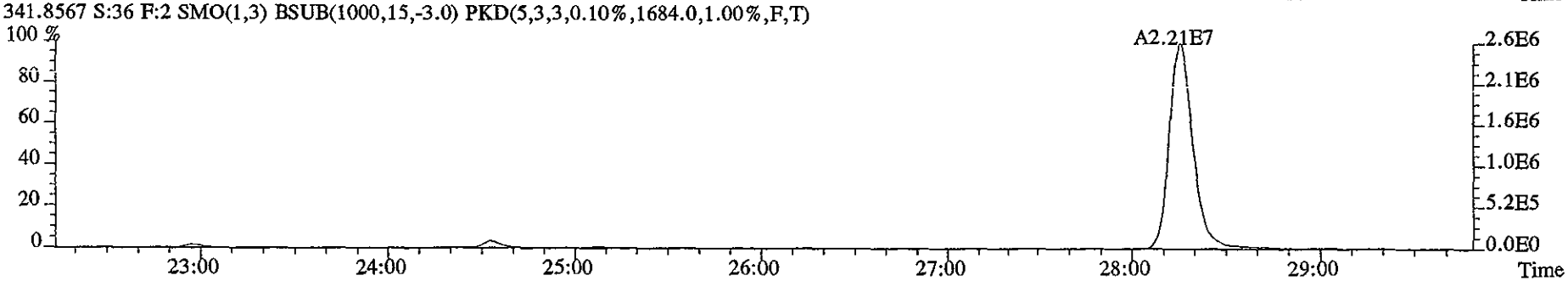
354.9792 S:36 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



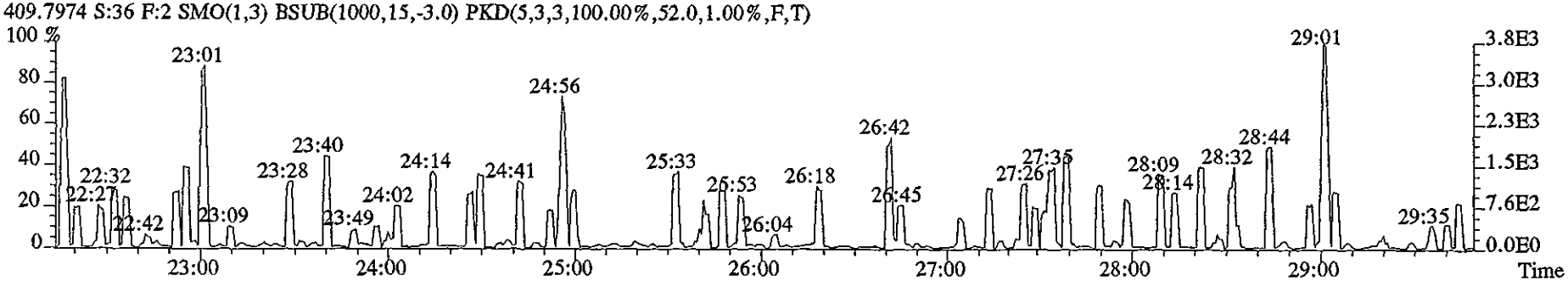
339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



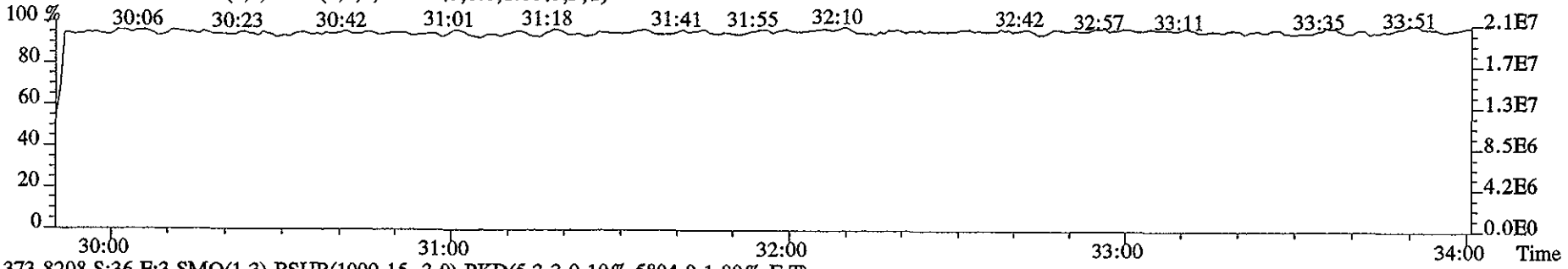
341.8567 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)



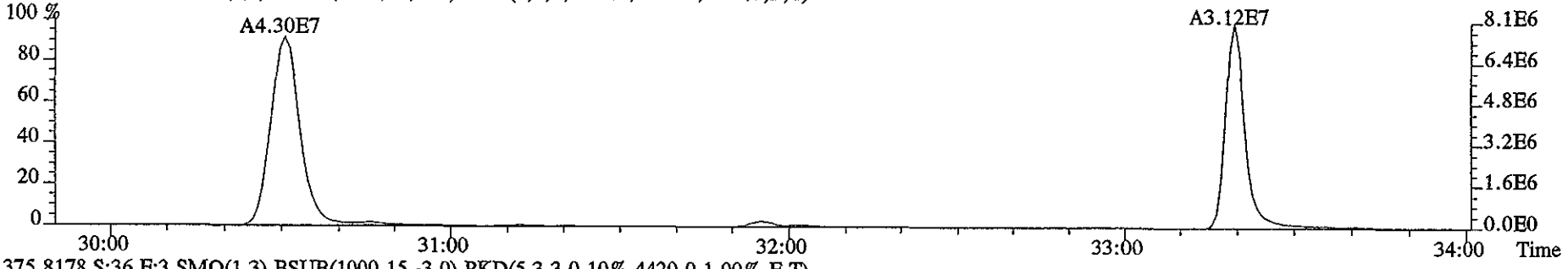
409.7974 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



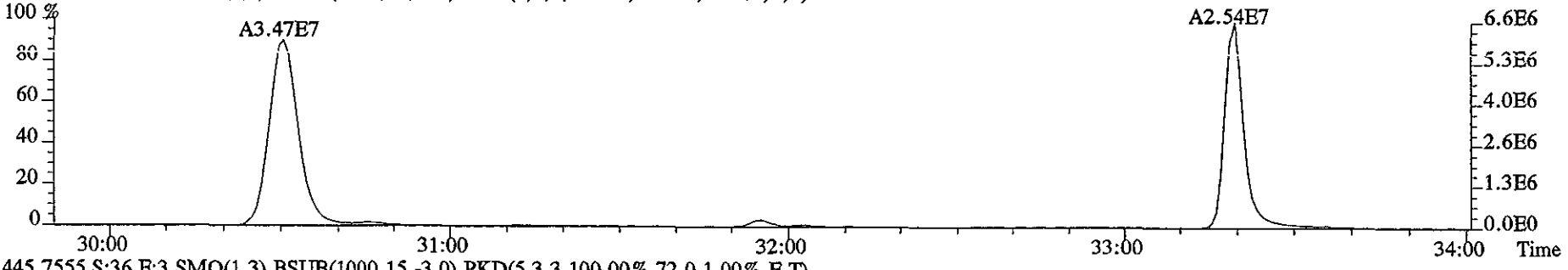
File:07MY104D5 #1-317 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
430.9728 S:36 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



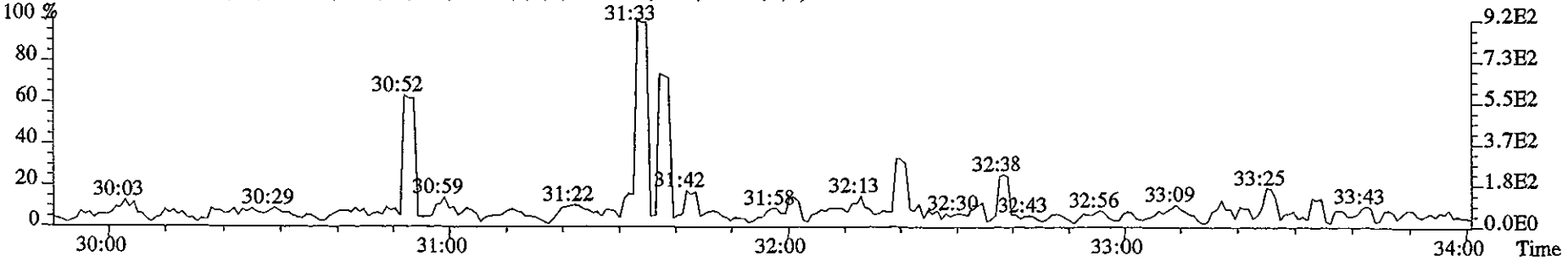
373.8208 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5804.0,1.00%,F,T)



375.8178 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4420.0,1.00%,F,T)

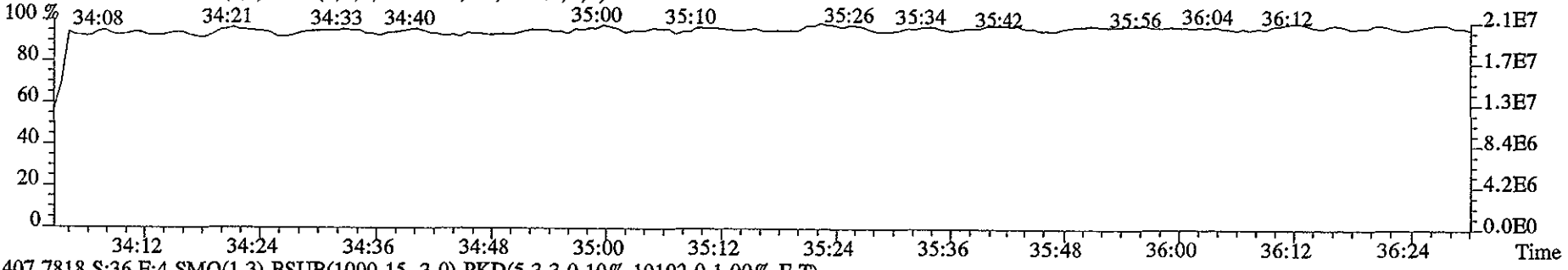


445.7555 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)

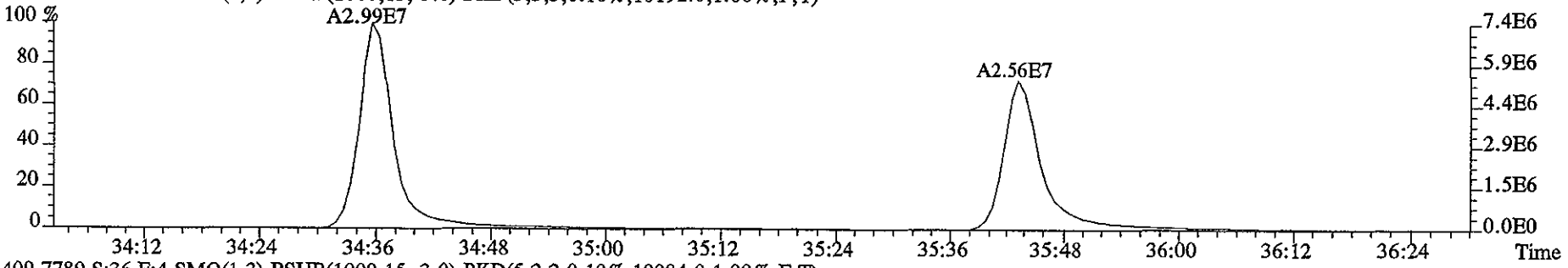


File:07MY104D5 #1-197 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

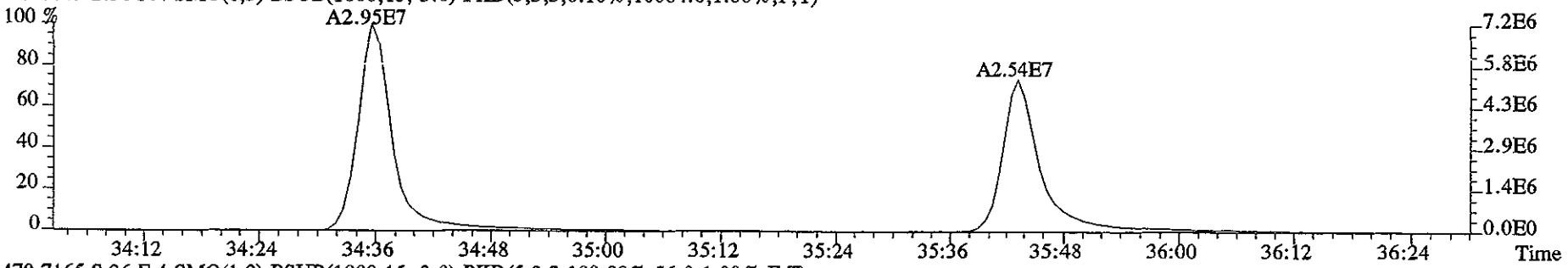
430.9728 S:36 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



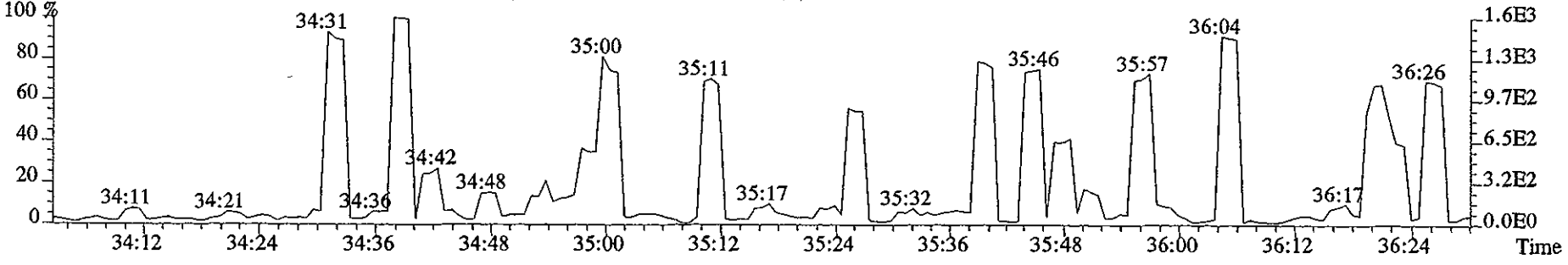
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10192.0,1.00%,F,T)



409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10084.0,1.00%,F,T)

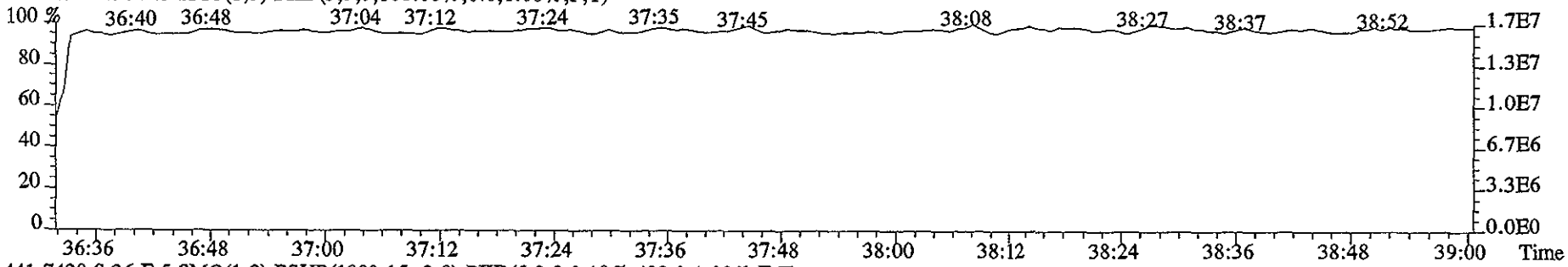


479.7165 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)

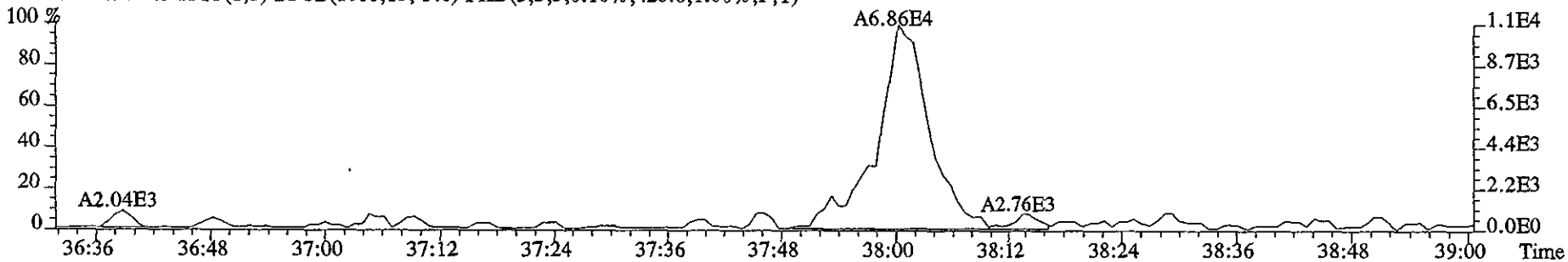


File:07MY104D5 #1-191 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

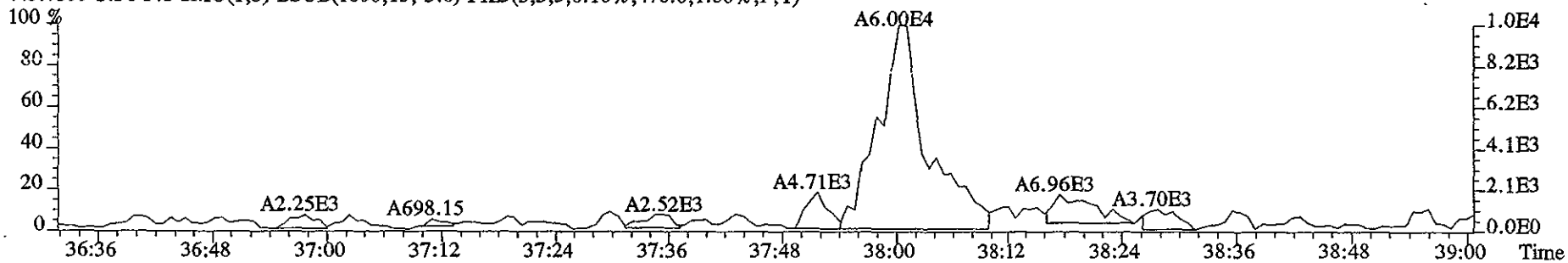
442.9728 S:36 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



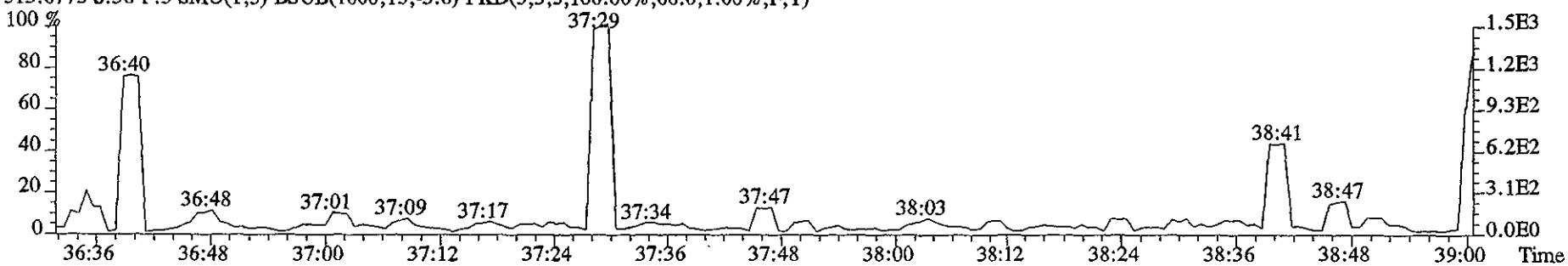
441.7428 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,428.0,1.00%,F,T)



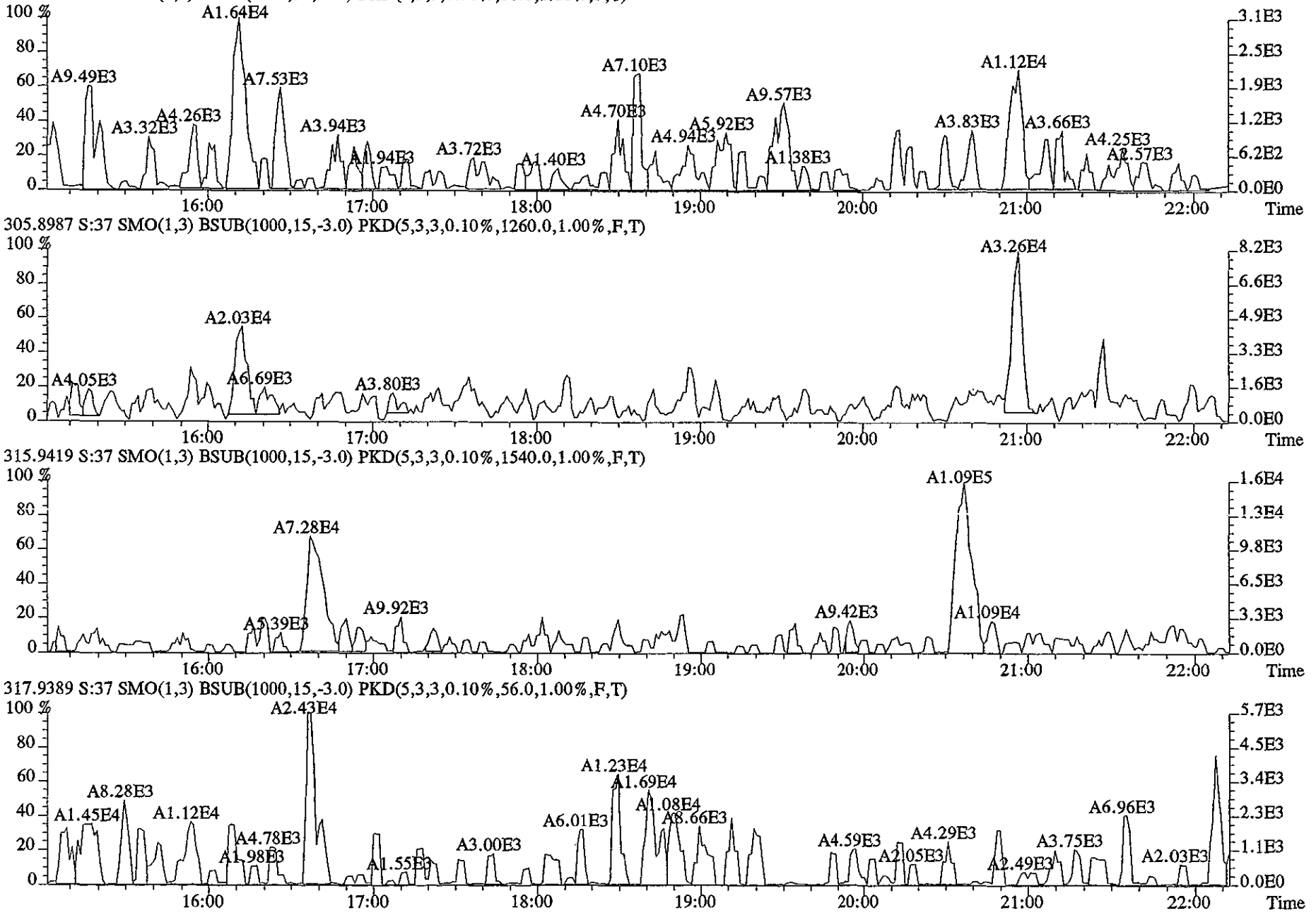
443.7399 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,476.0,1.00%,F,T)



513.6775 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,68.0,1.00%,F,T)

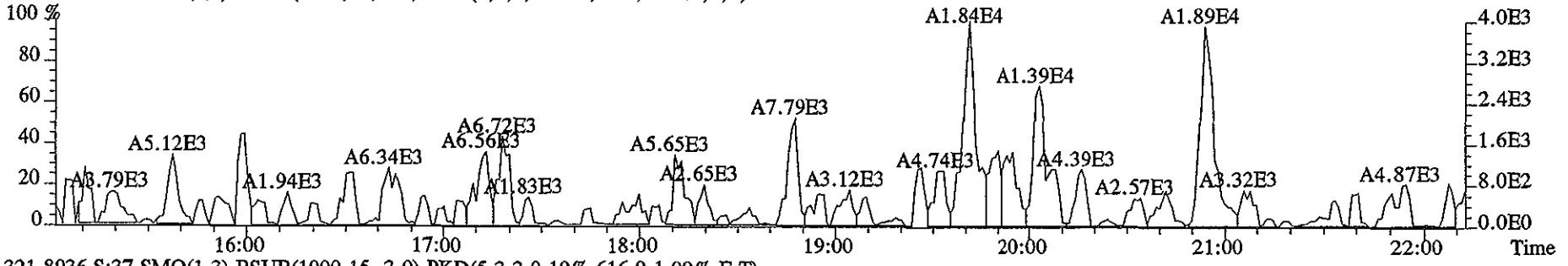


File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

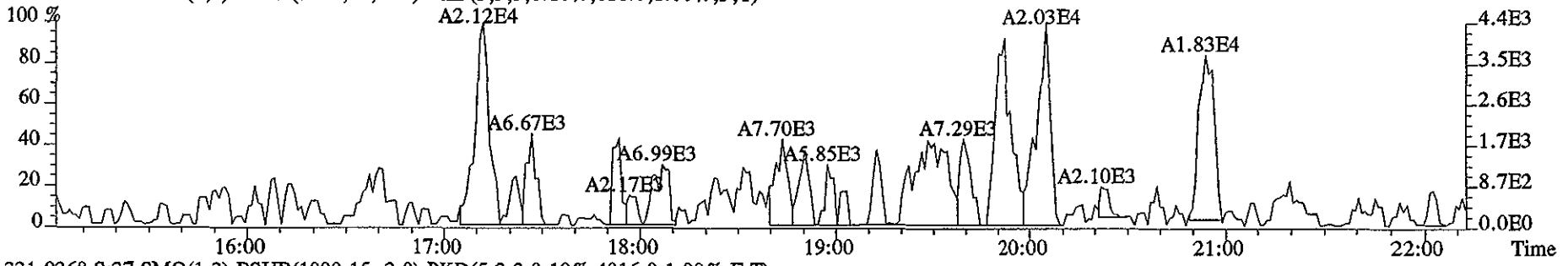


File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

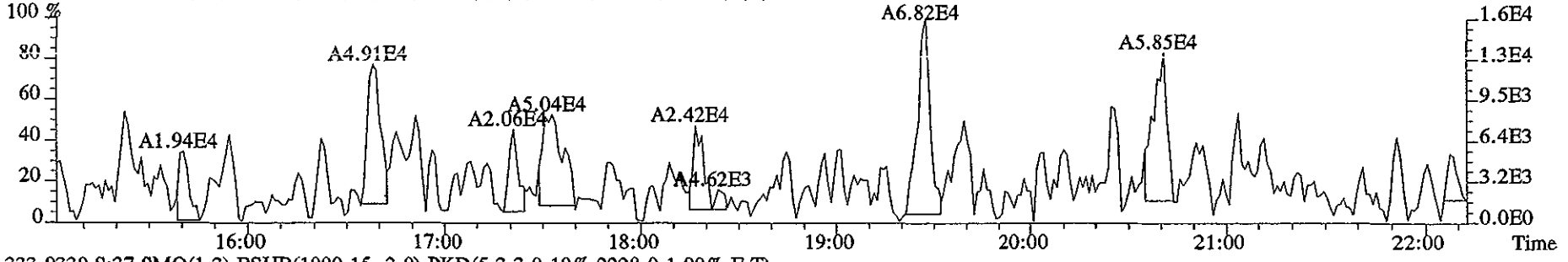
319.8965 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



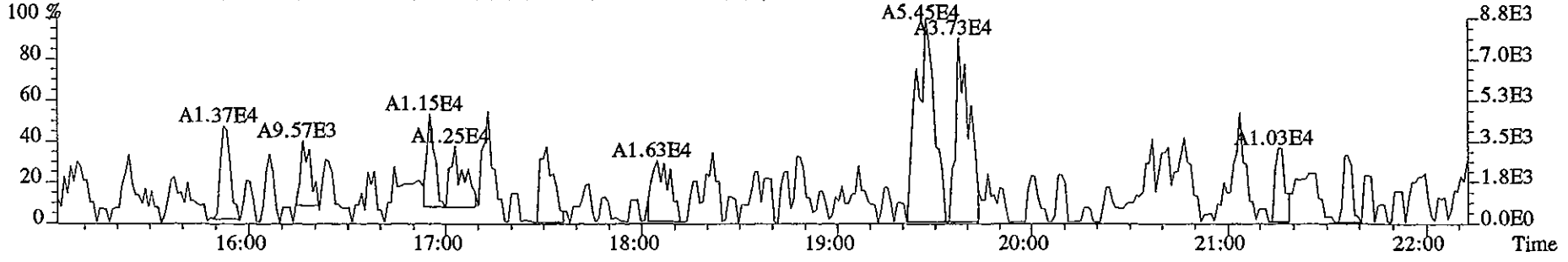
321.8936 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,616.0,1.00%,F,T)



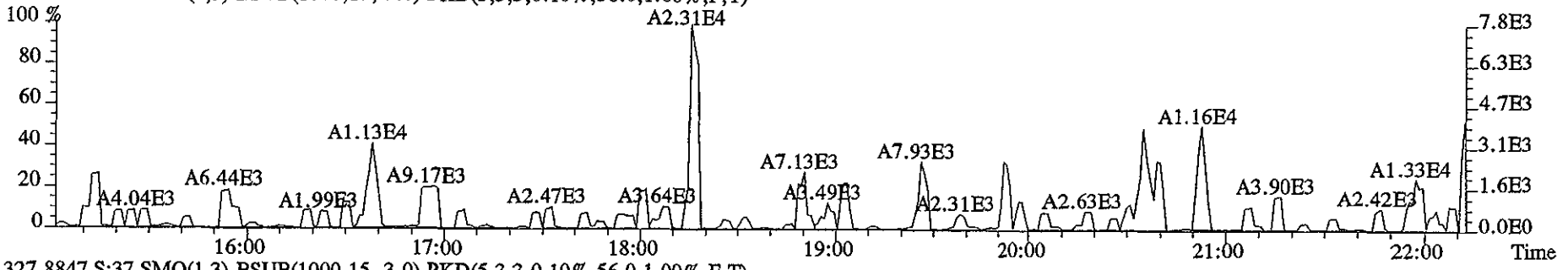
331.9368 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)



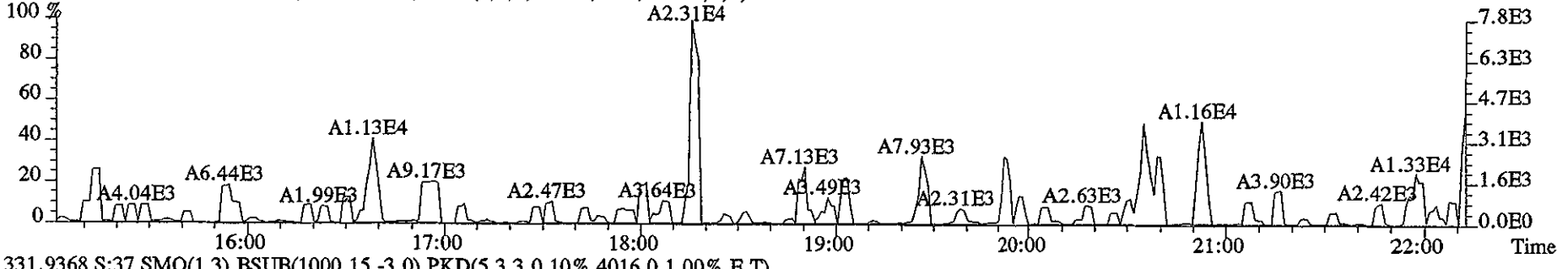
333.9339 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2228.0,1.00%,F,T)



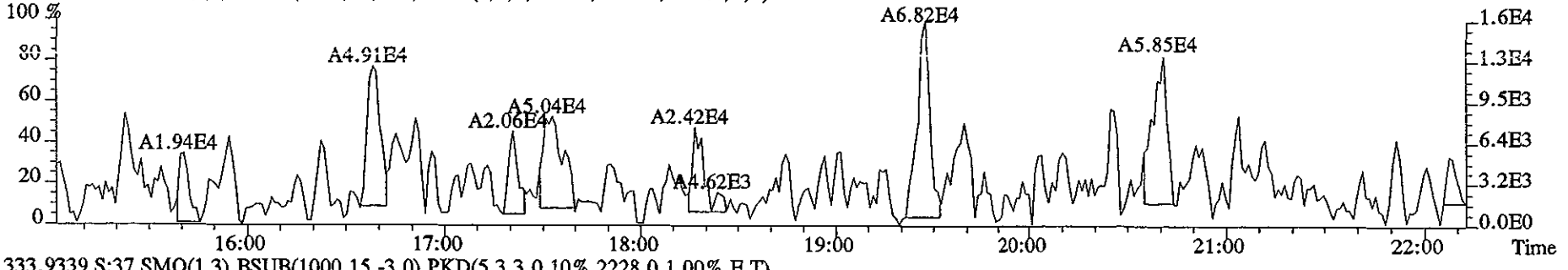
File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
327.8847 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



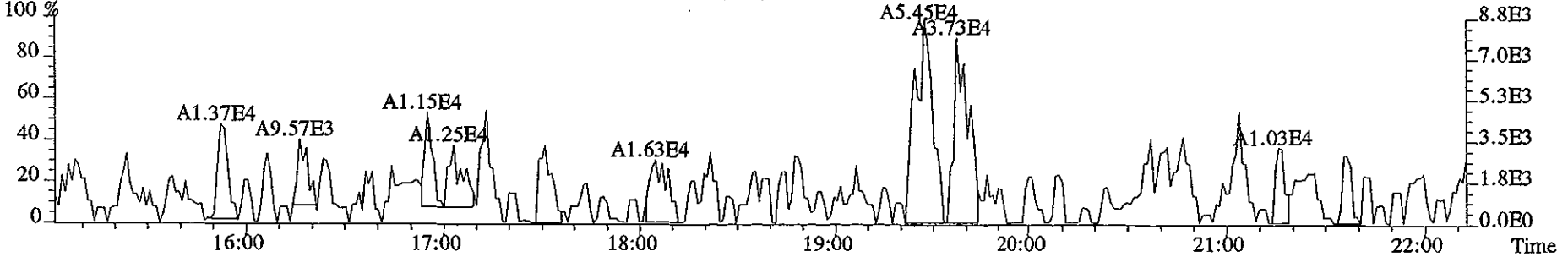
327.8847 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



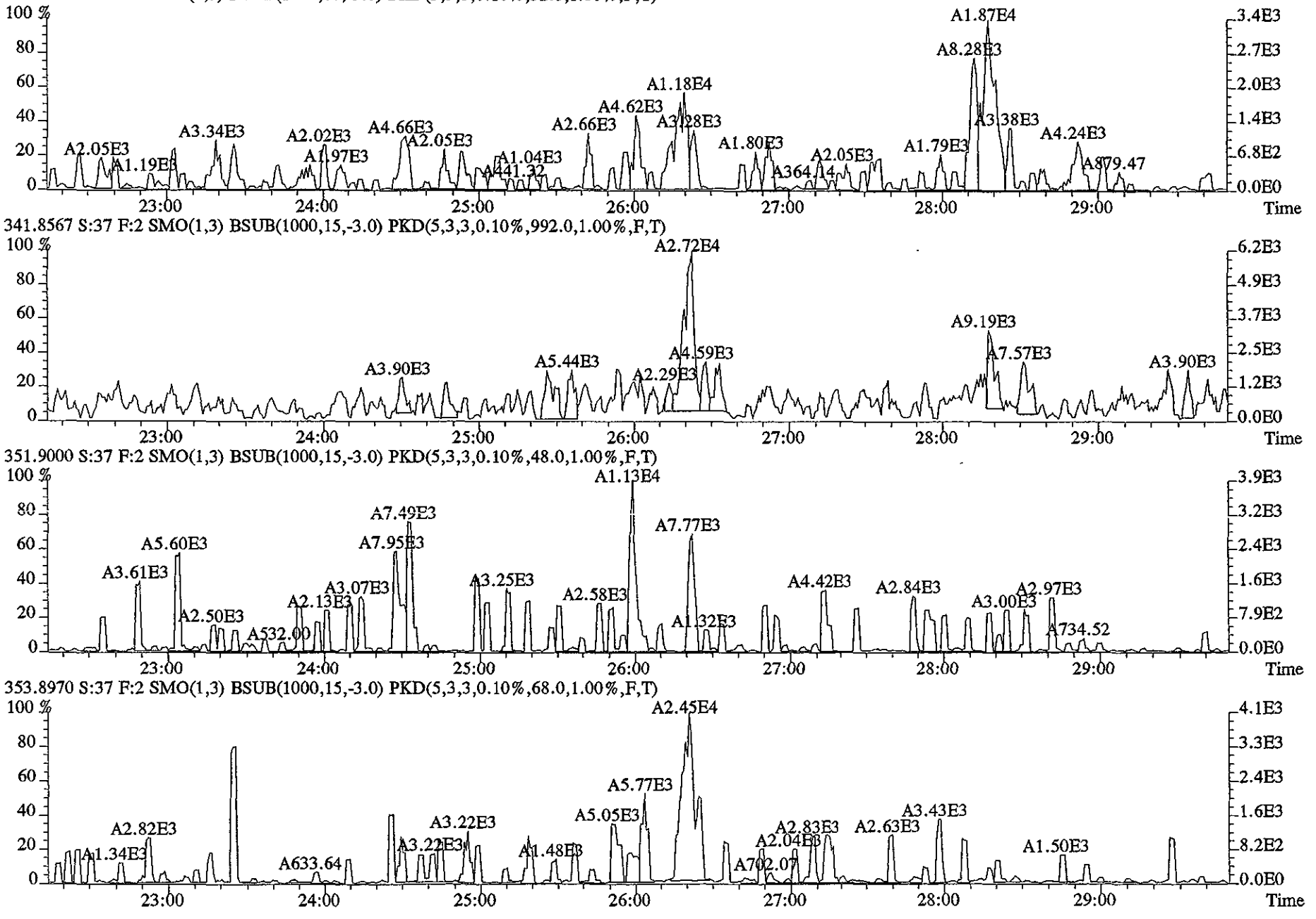
331.9368 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)



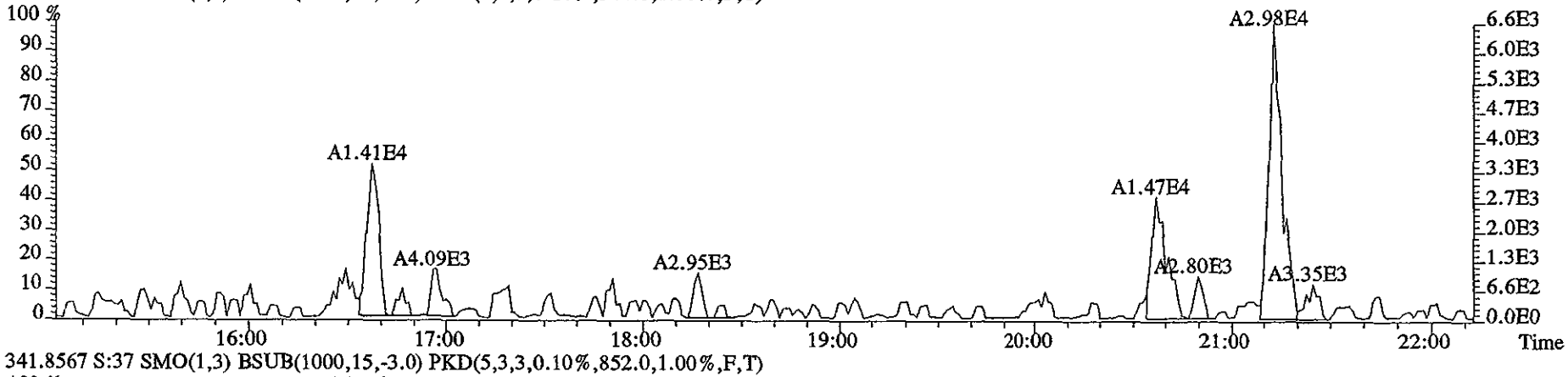
333.9339 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2228.0,1.00%,F,T)



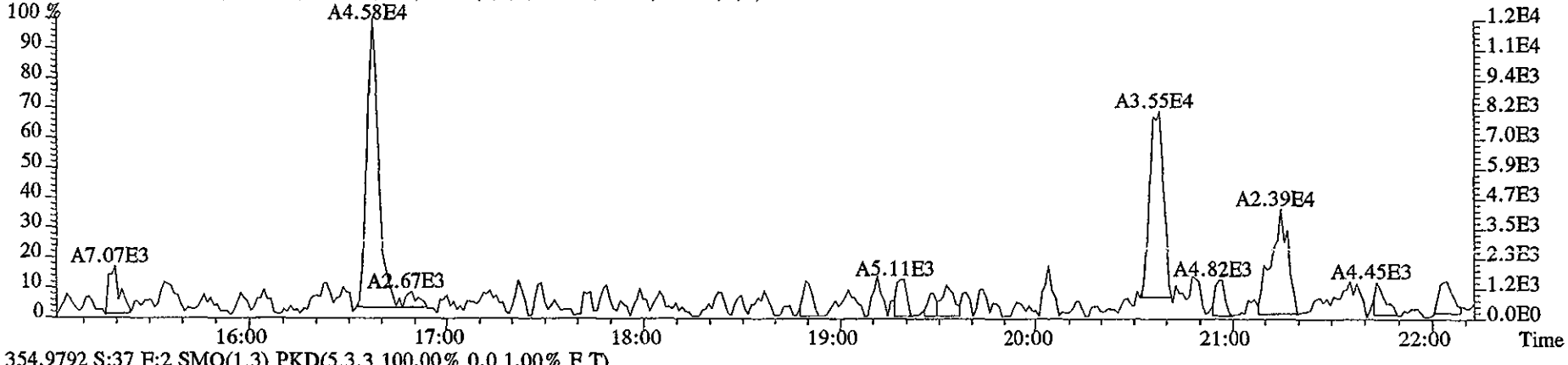
File:07MY104D5 #1-605 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A



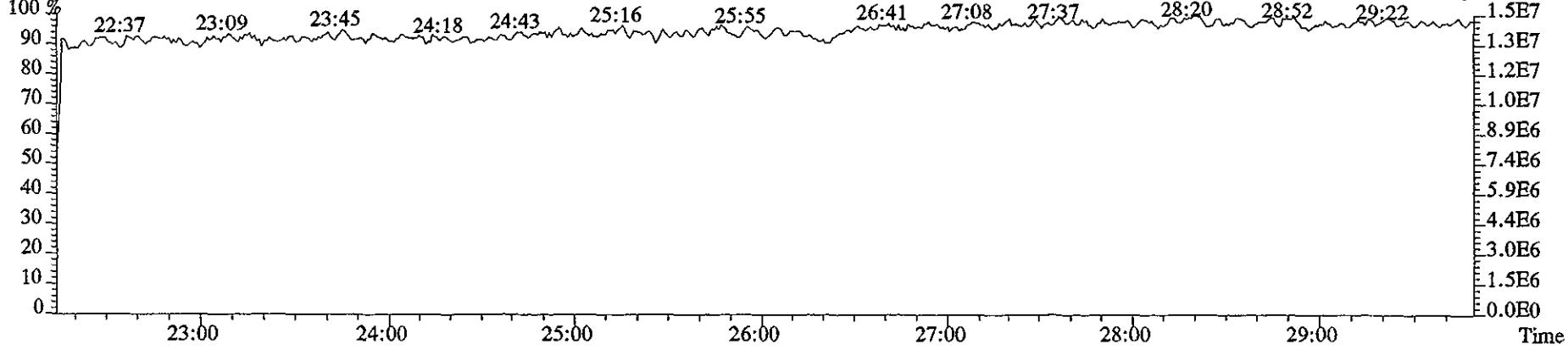
File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,544.0,1.00%,F,T)



341.8567 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,852.0,1.00%,F,T)

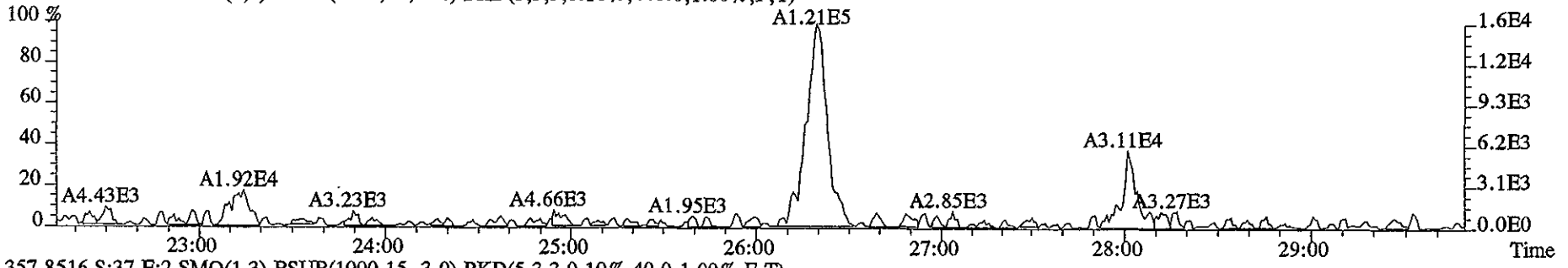


354.9792 S:37 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

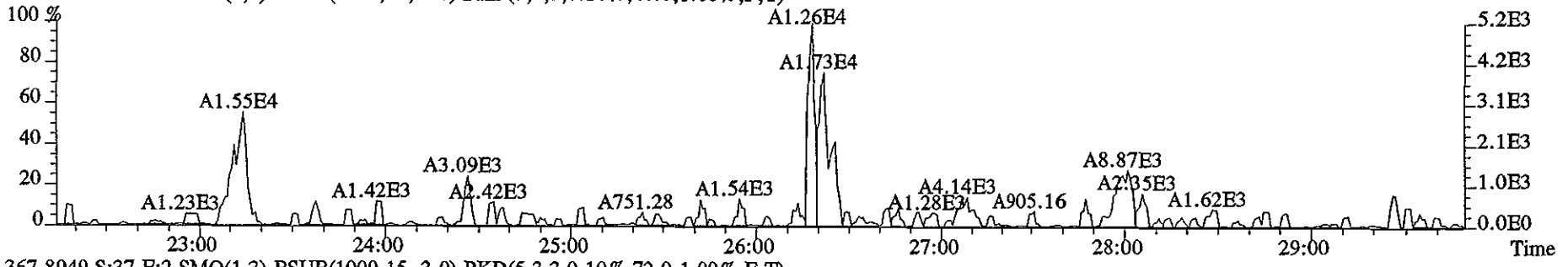


File:07MY104D5 #1-605 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

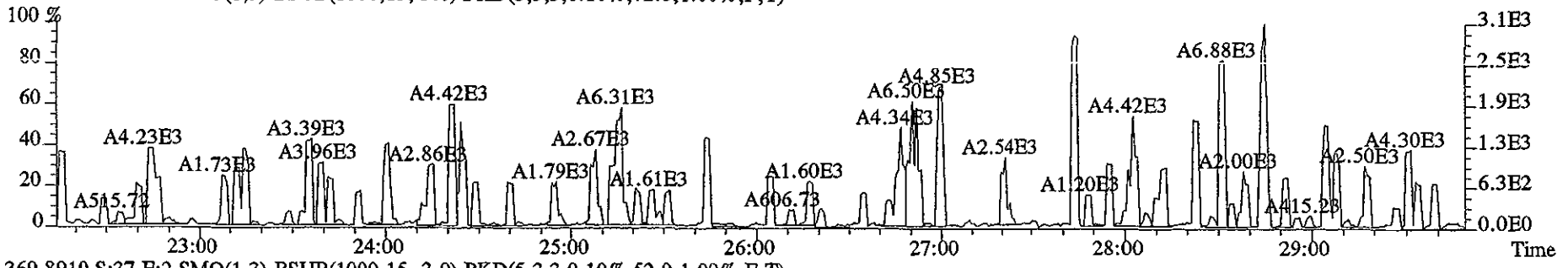
355.8546 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



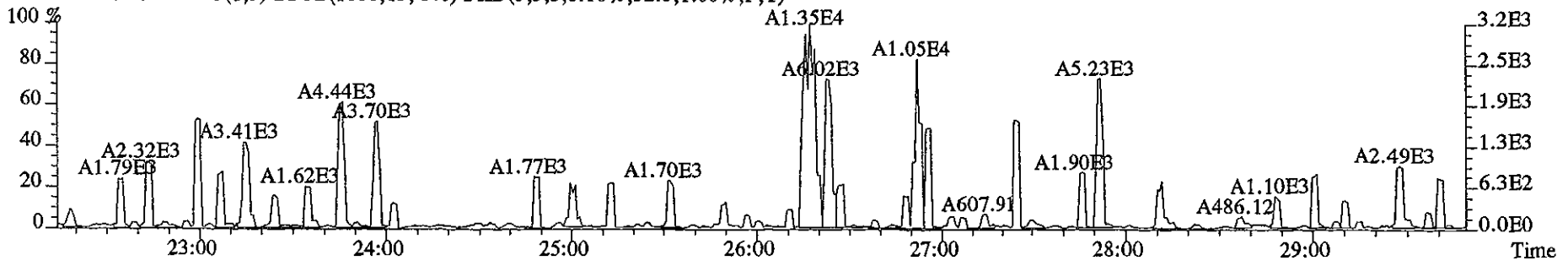
357.8516 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40.0,1.00%,F,T)



367.8949 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

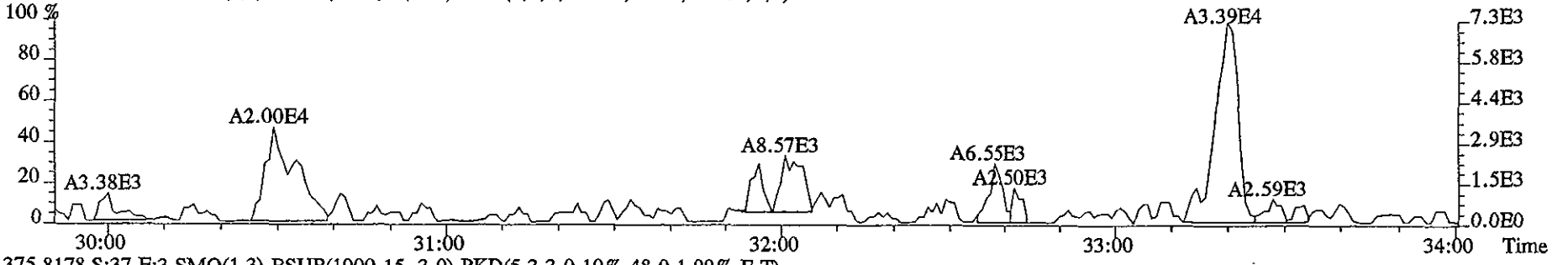


369.8919 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)

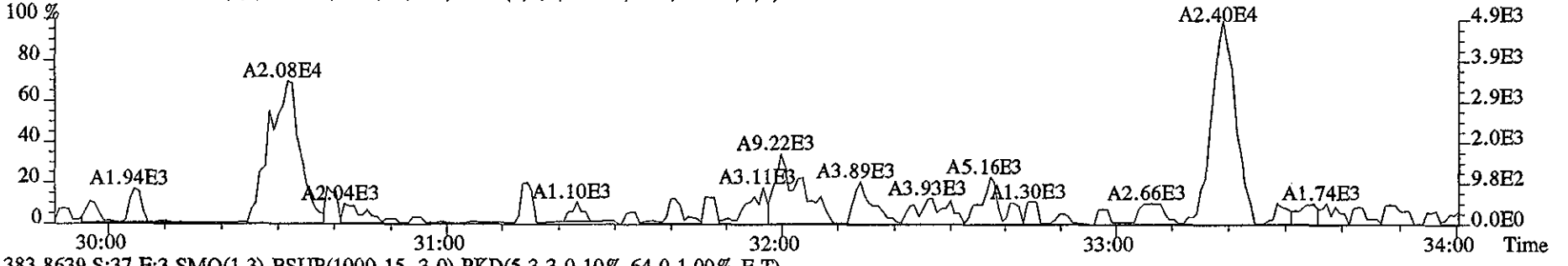


File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

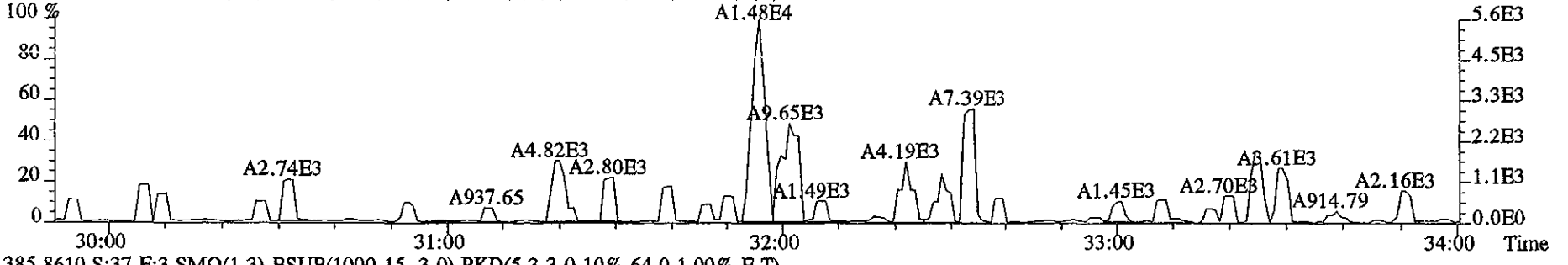
373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,576.0,1.00%,F,T)



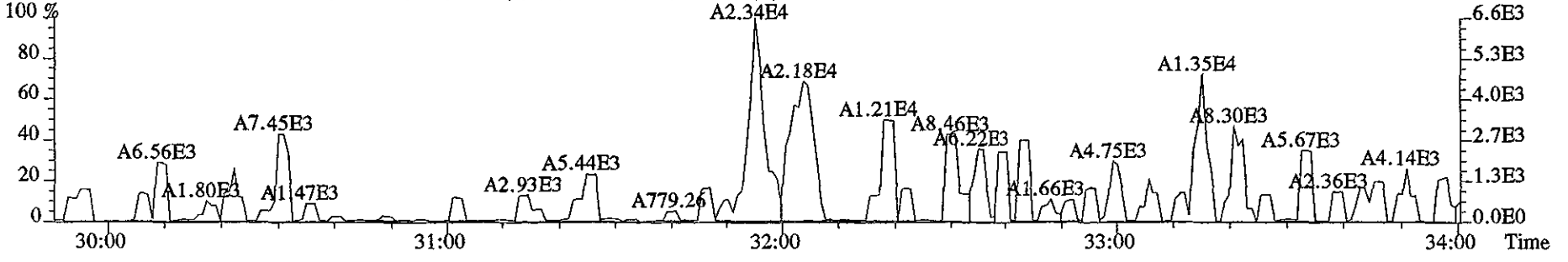
375.8178 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



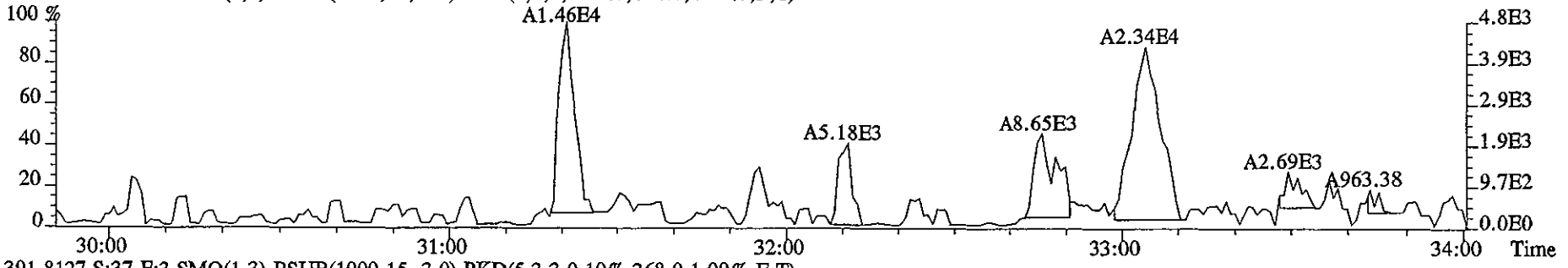
383.8639 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



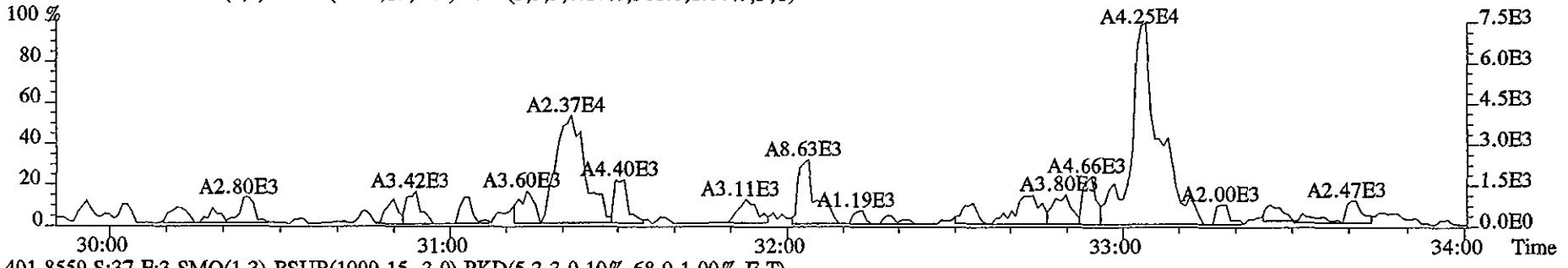
385.8610 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



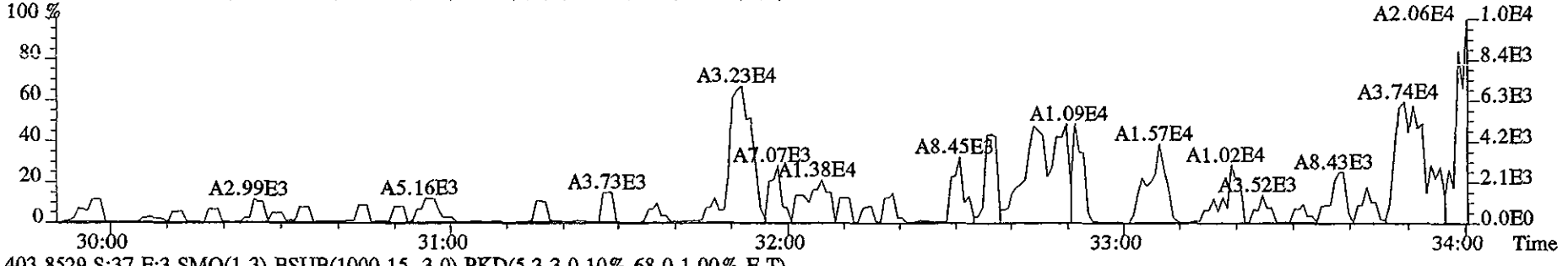
File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
389.8157 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,644.0,1.00%,F,T)



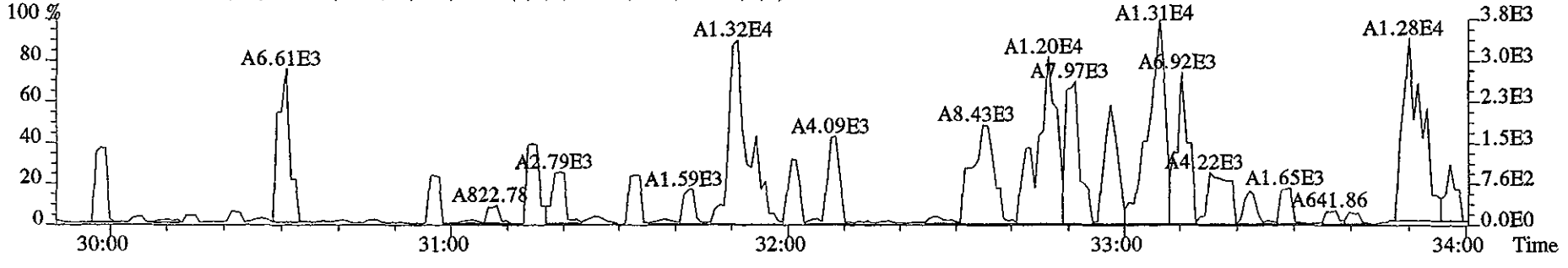
391.8127 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,368.0,1.00%,F,T)



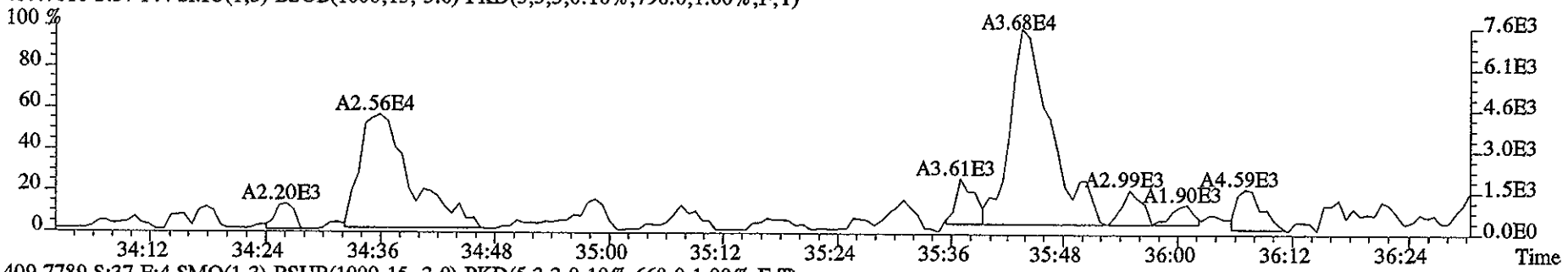
401.8559 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)

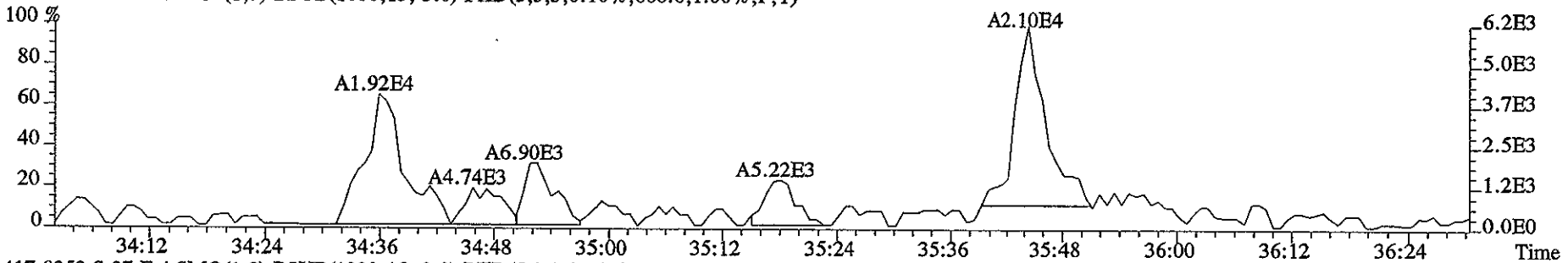


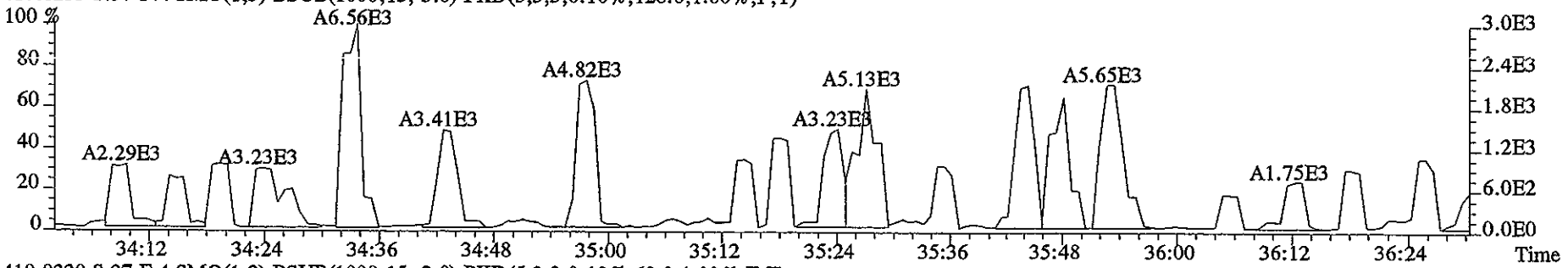
403.8529 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)

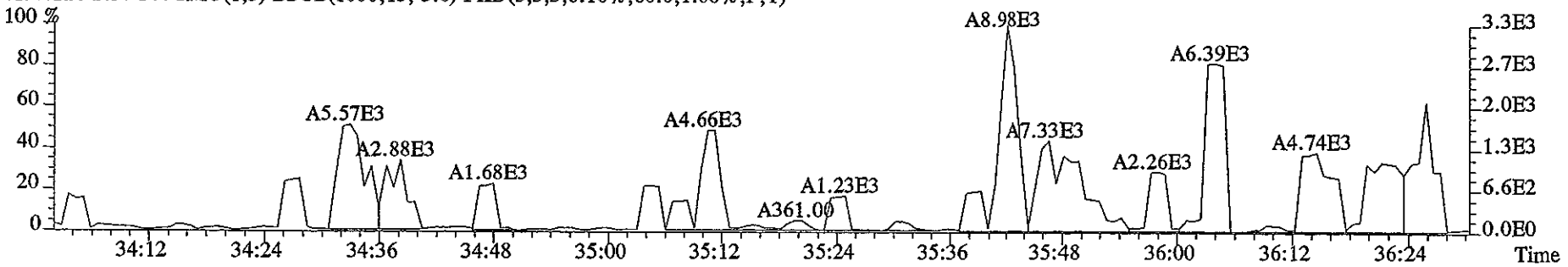


File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

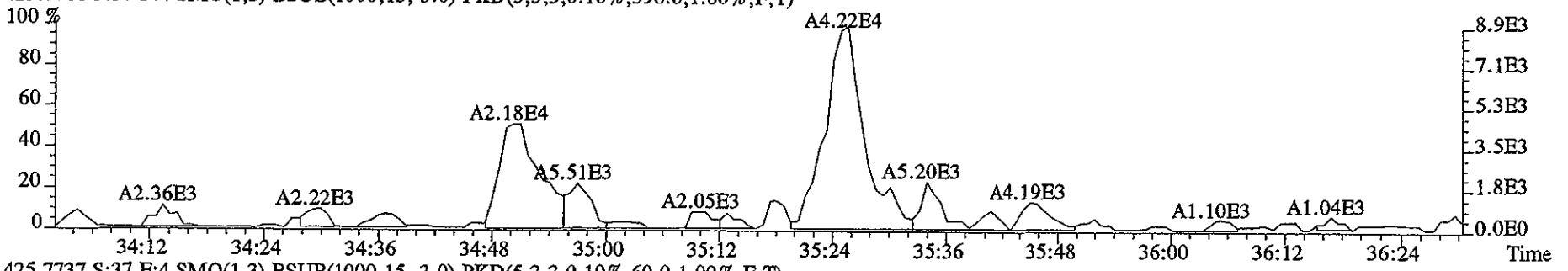


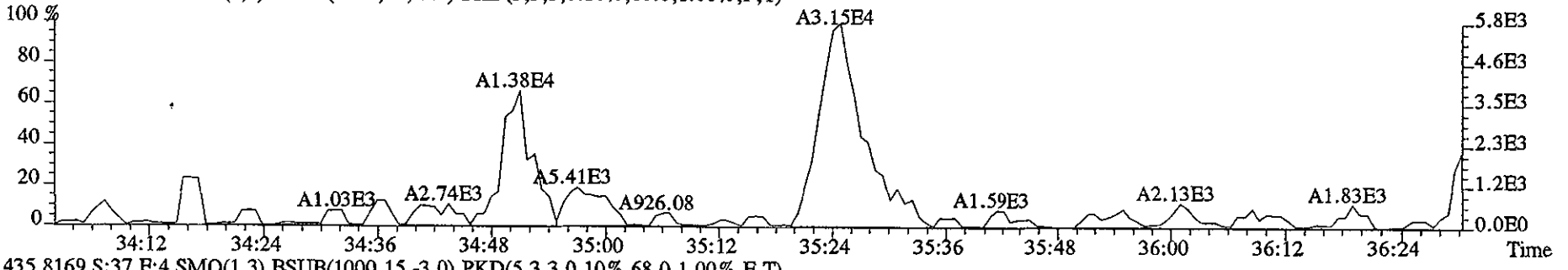


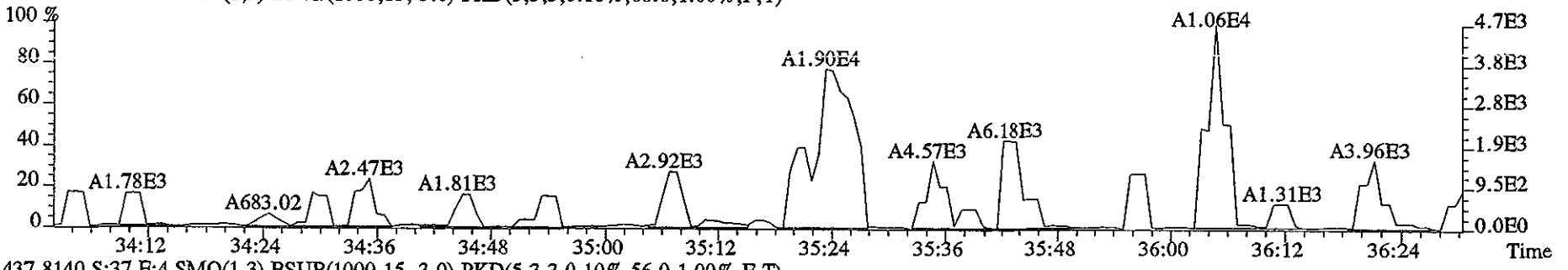


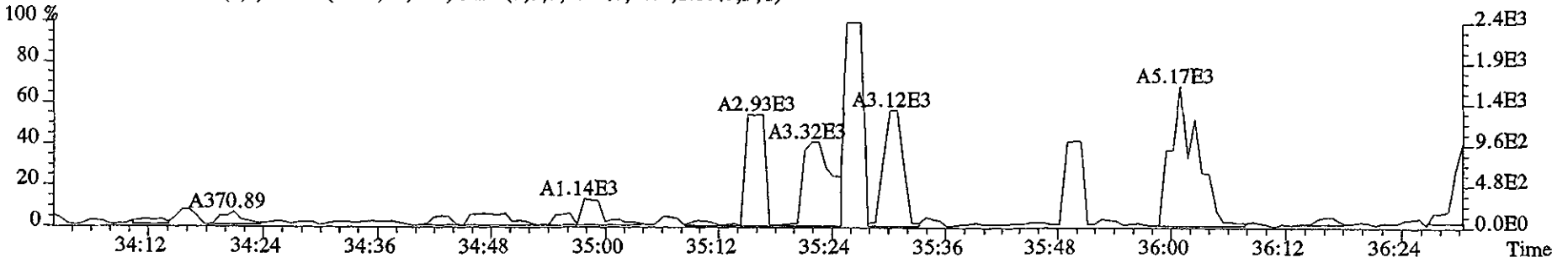


File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

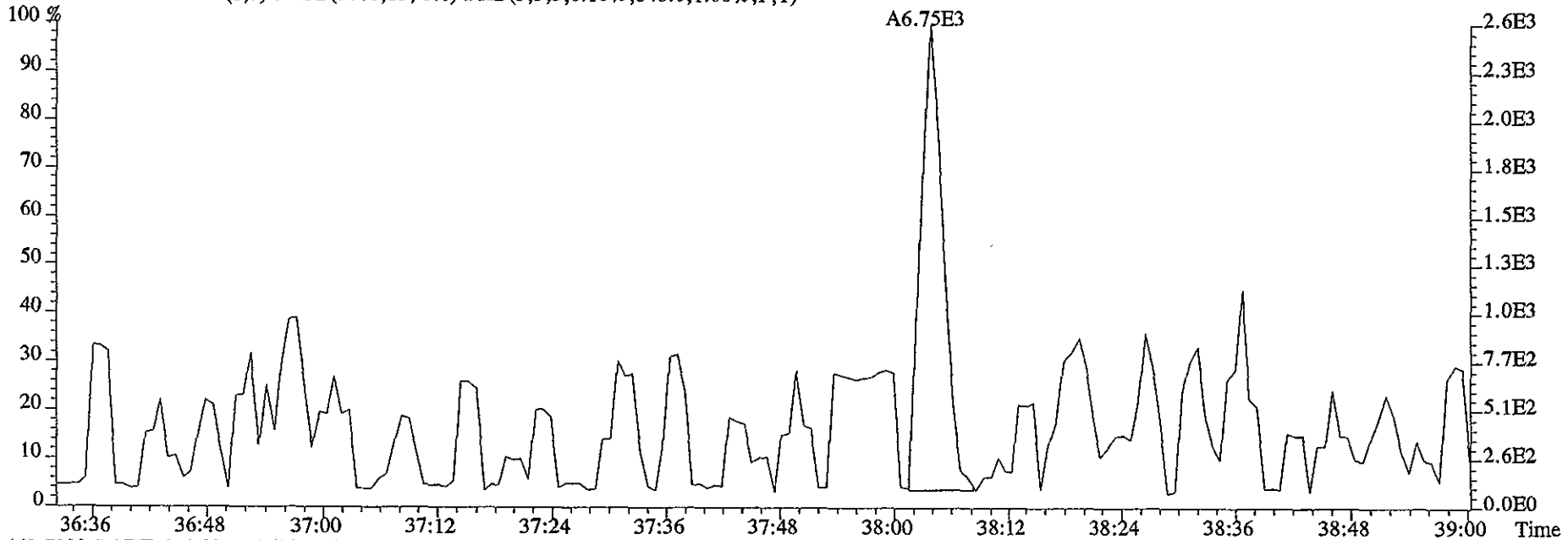




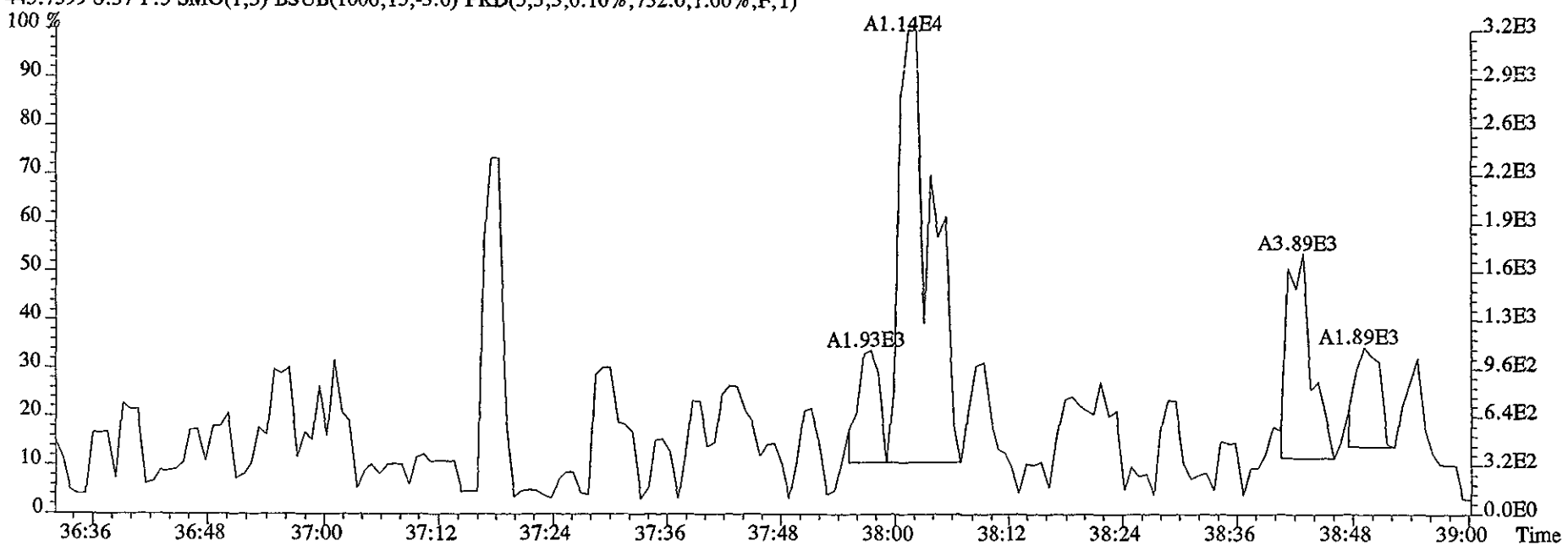




File:07MY104D5 #1-190 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)

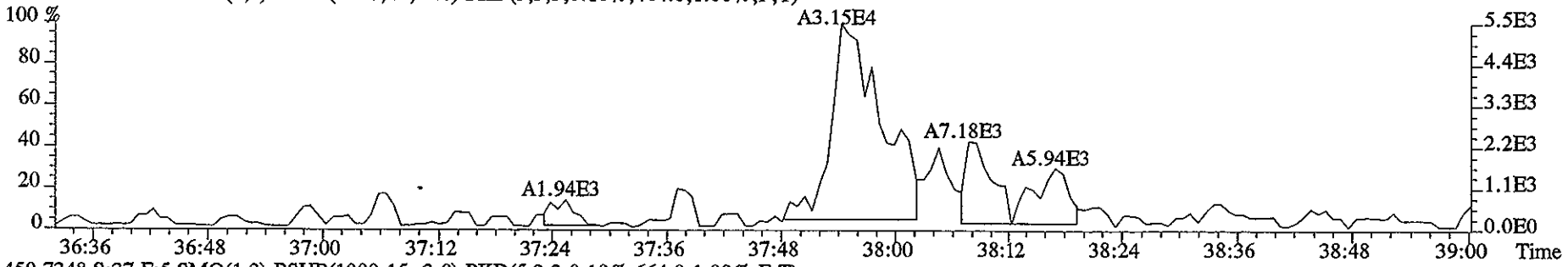


443.7399 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)

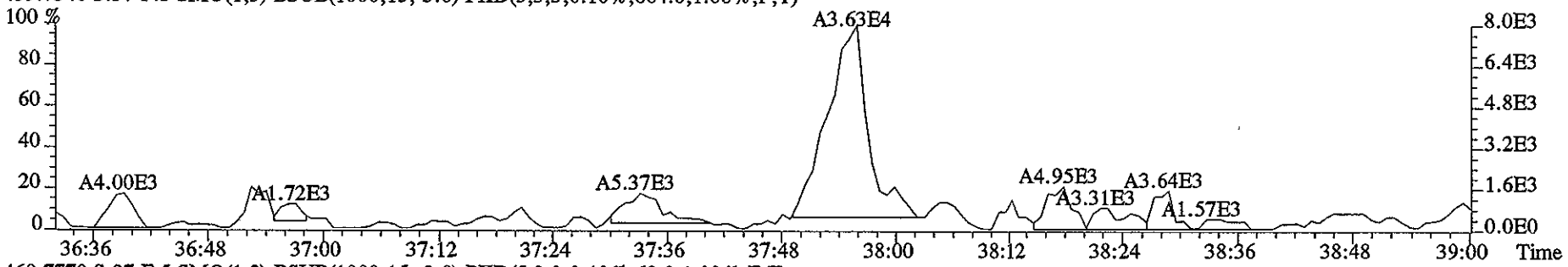


File:07MY104D5 #1-190 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

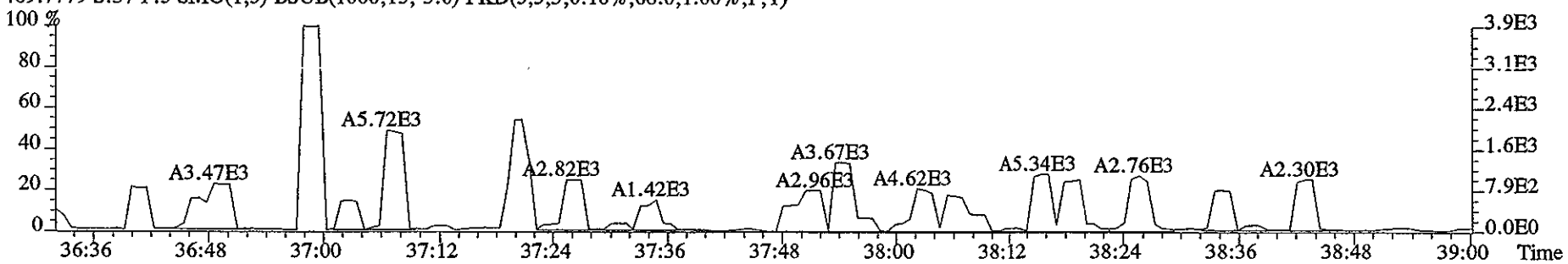
457.7377 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,464.0,1.00%,F,T)



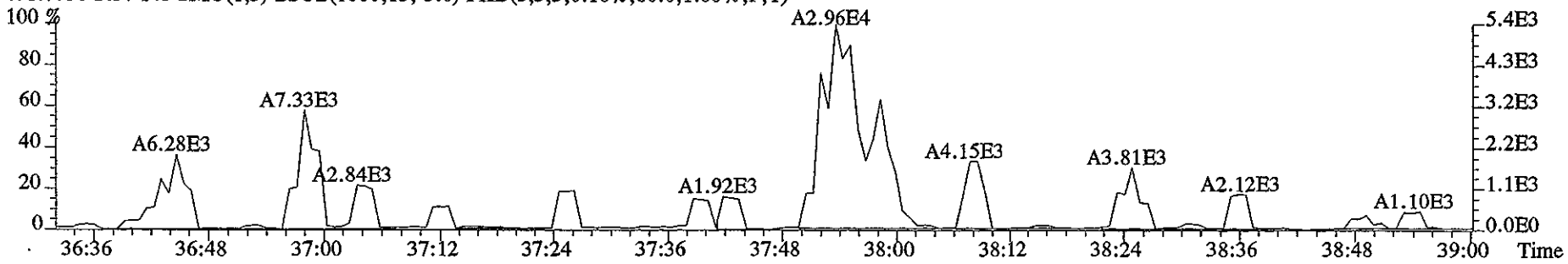
459.7348 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)



469.7779 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)

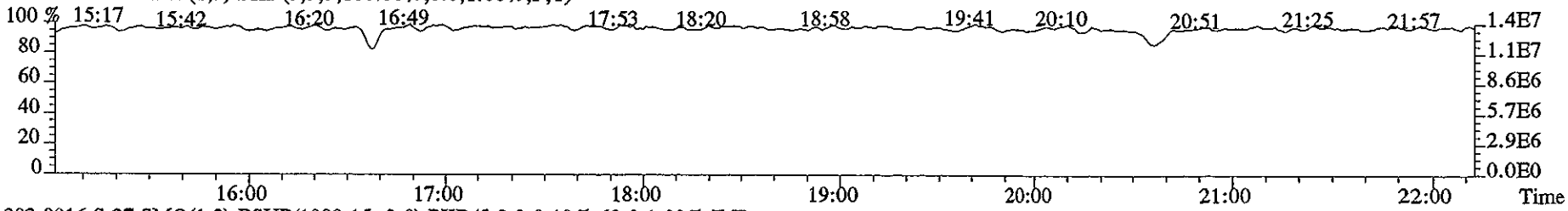


471.7750 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)

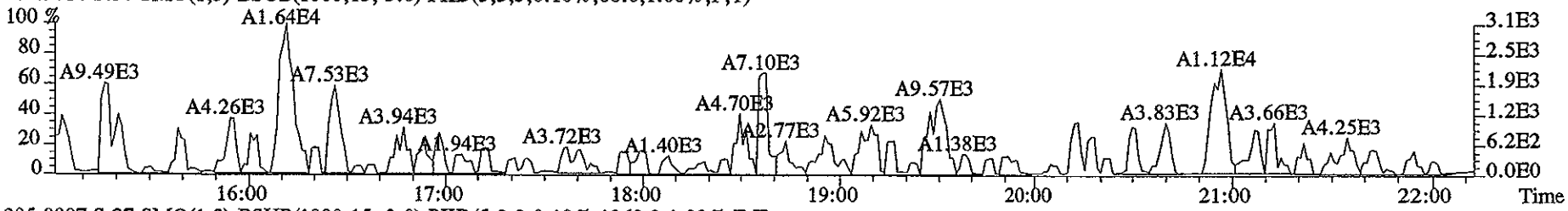


File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

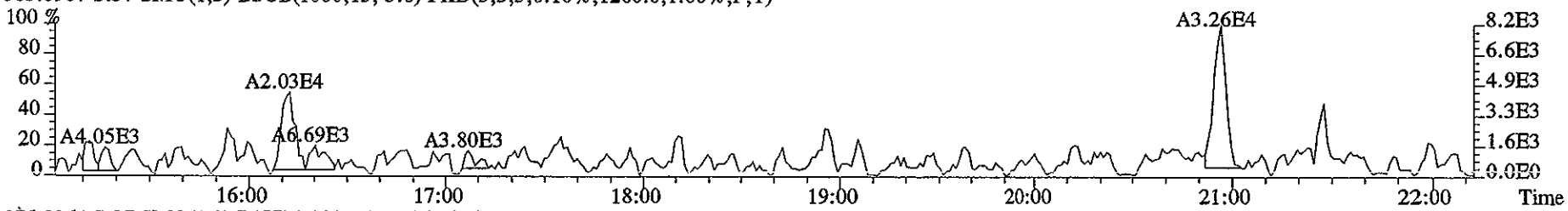
354.9792 S:37 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



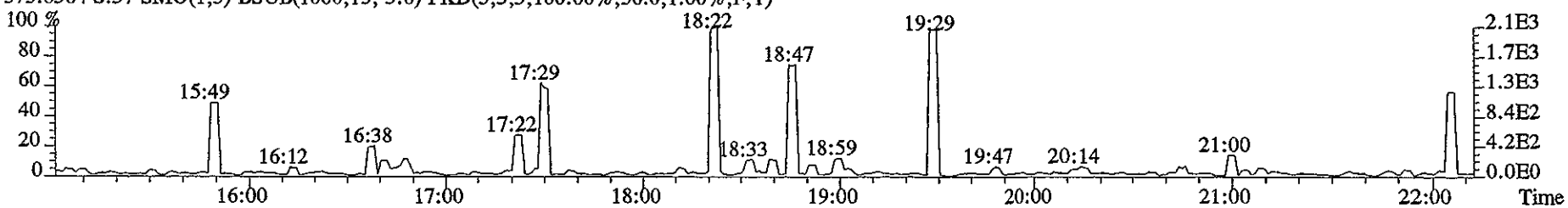
303.9016 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



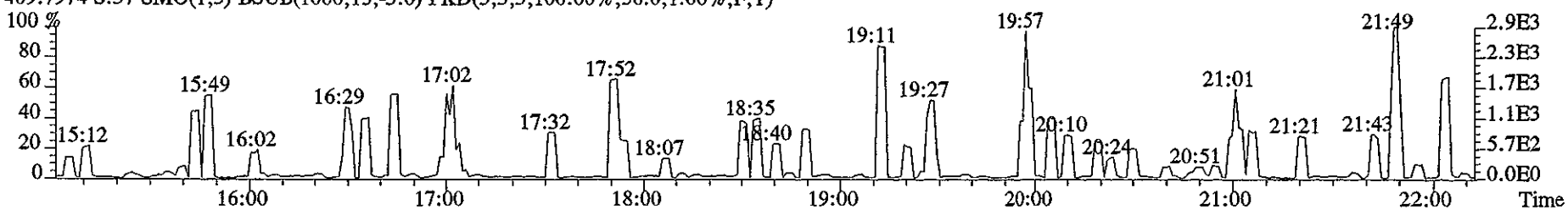
305.8987 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1260.0,1.00%,F,T)



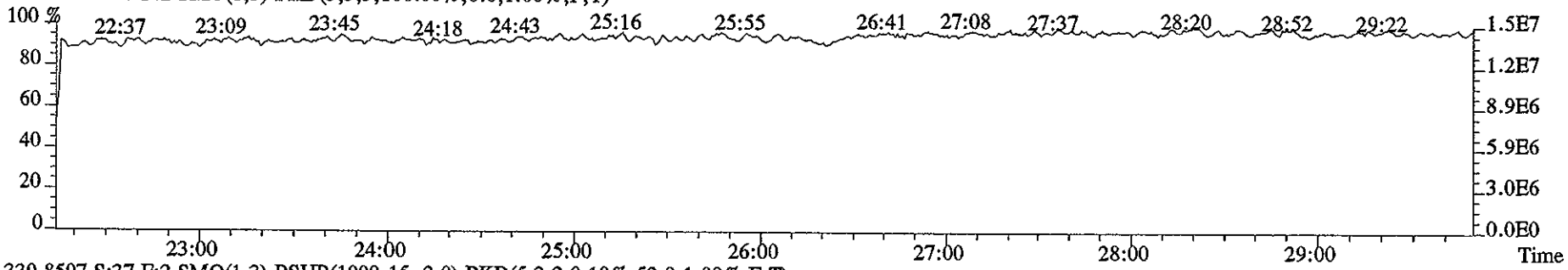
375.8364 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



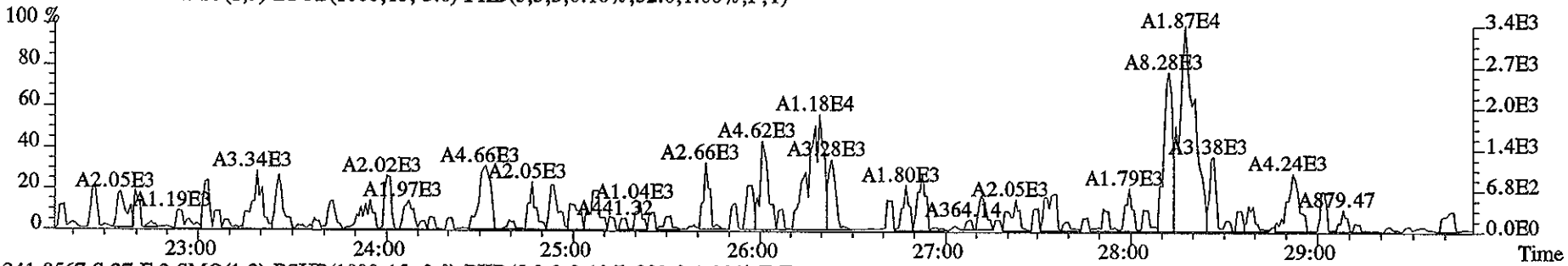
409.7974 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



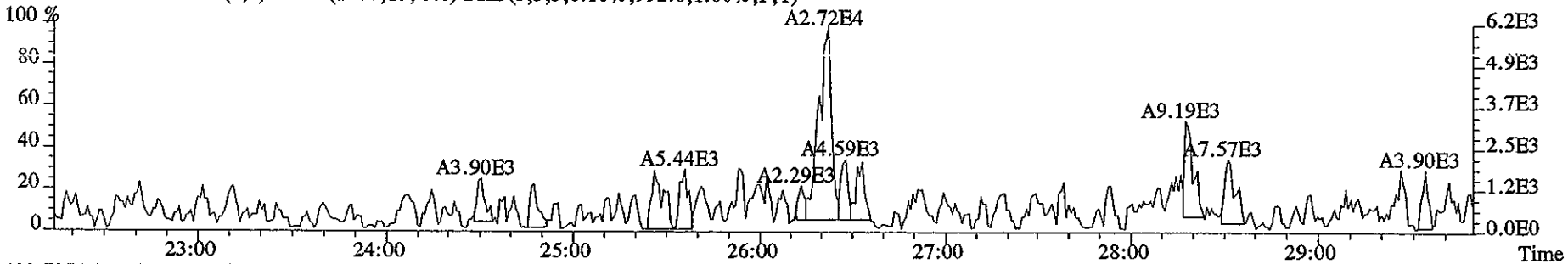
File:07MY104D5 #1-605 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
354.9792 S:37 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



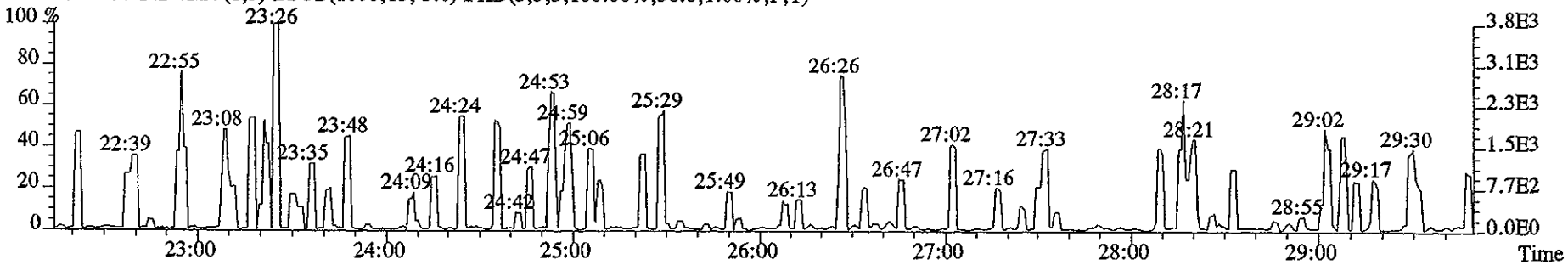
339.8597 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



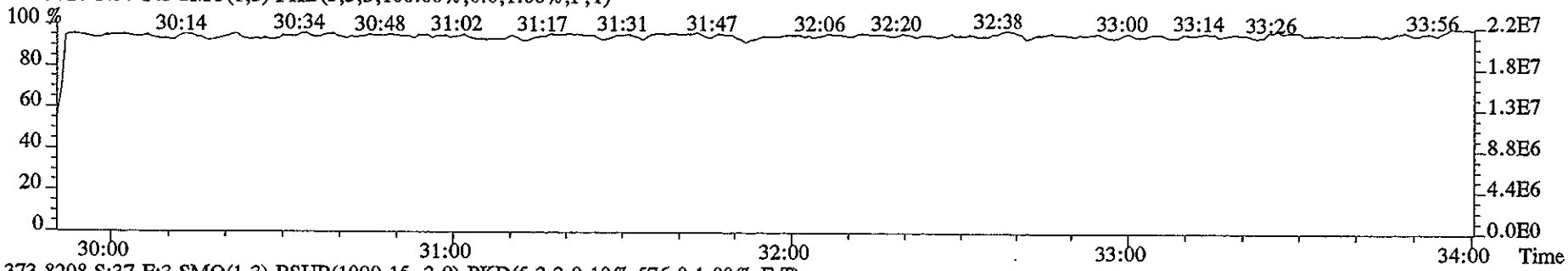
341.8567 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



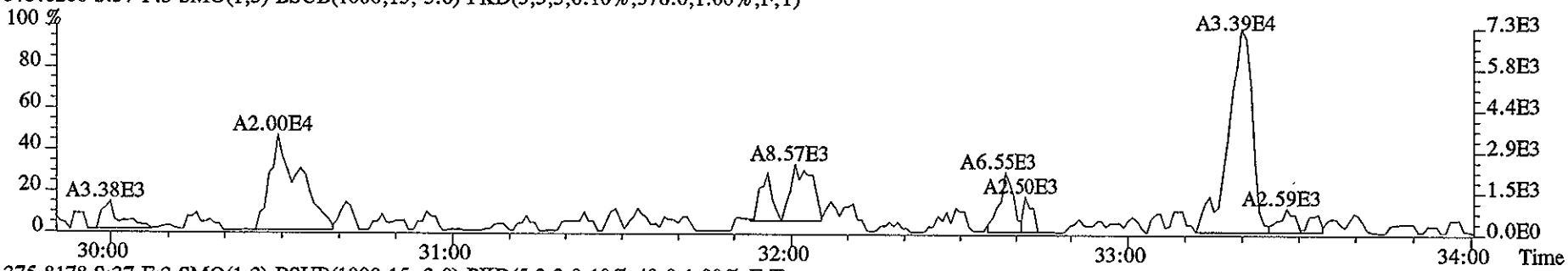
409.7974 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



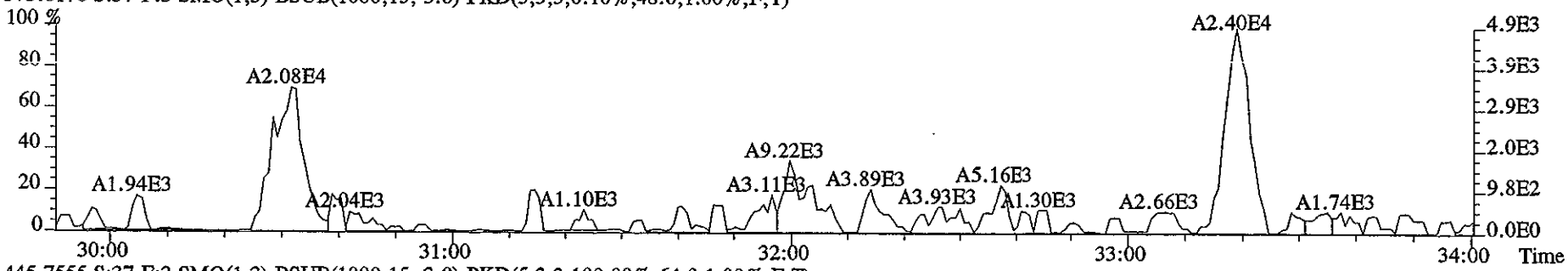
File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
430.9728 S:37 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



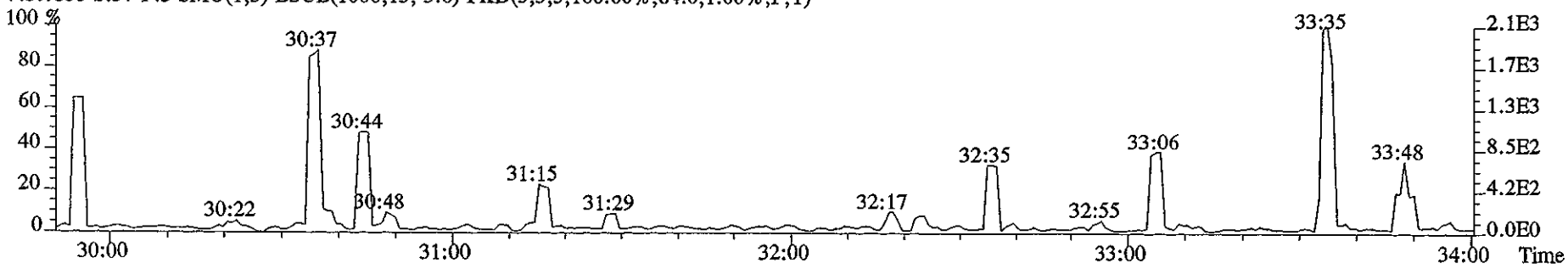
373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,576.0,1.00%,F,T)



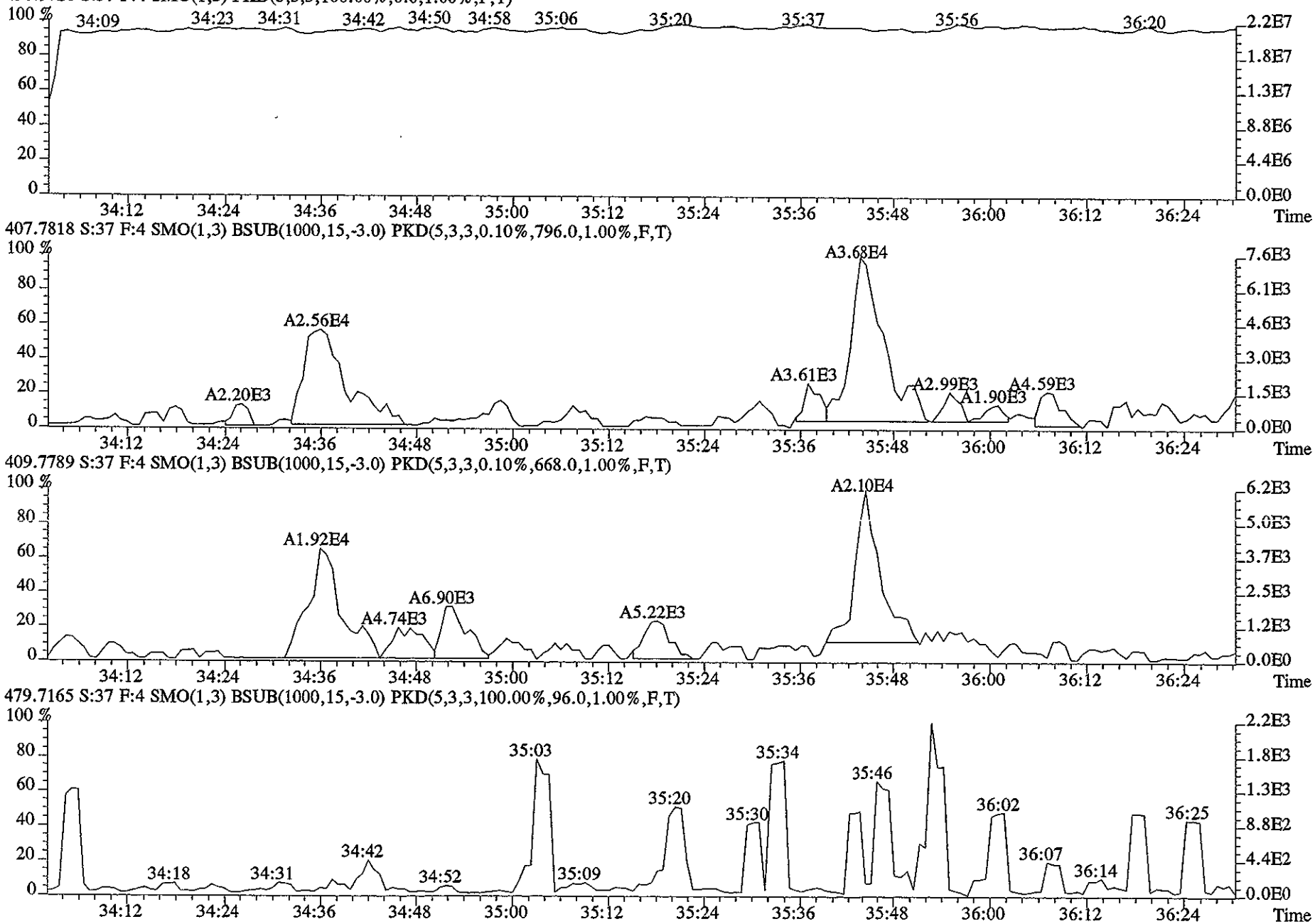
375.8178 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



445.7555 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,64.0,1.00%,F,T)

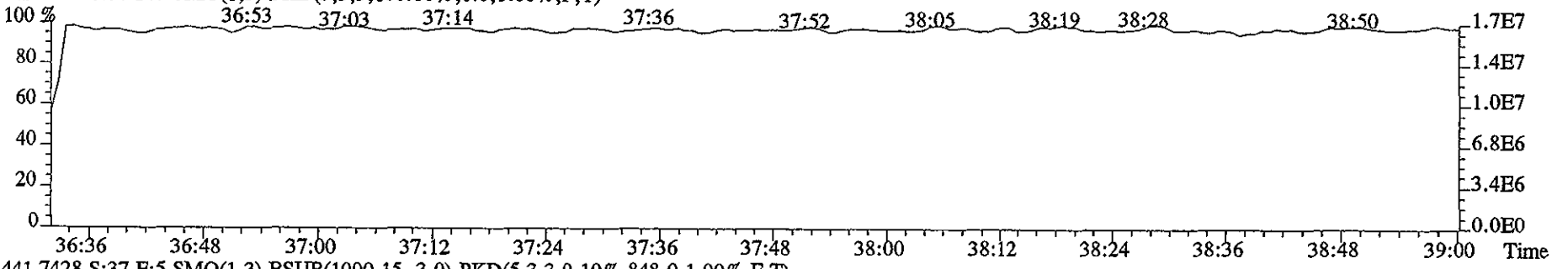


File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

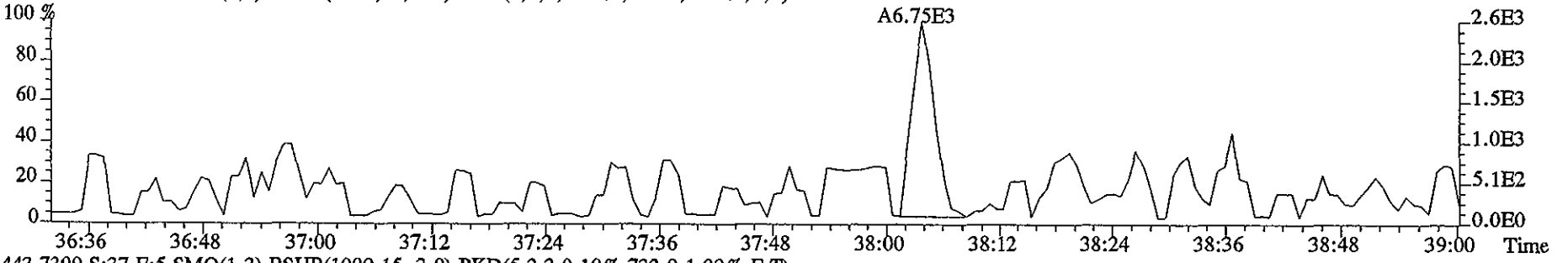


File:07MY104D5 #1-190 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

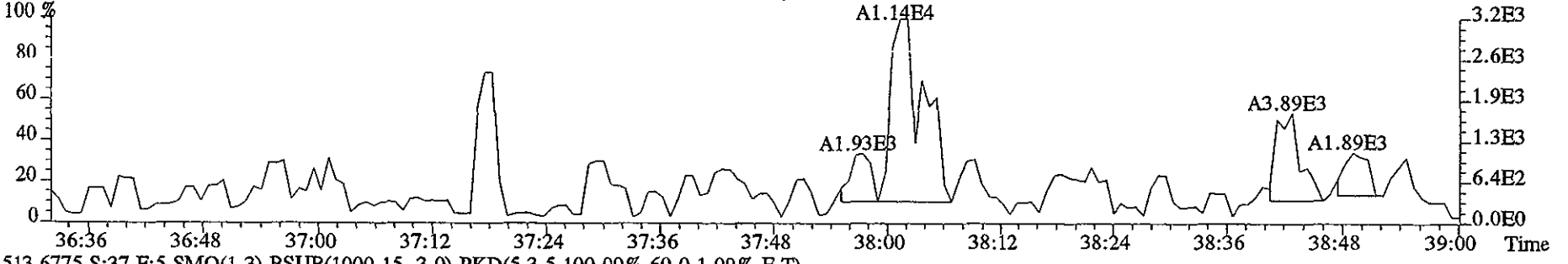
442.9728 S:37 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



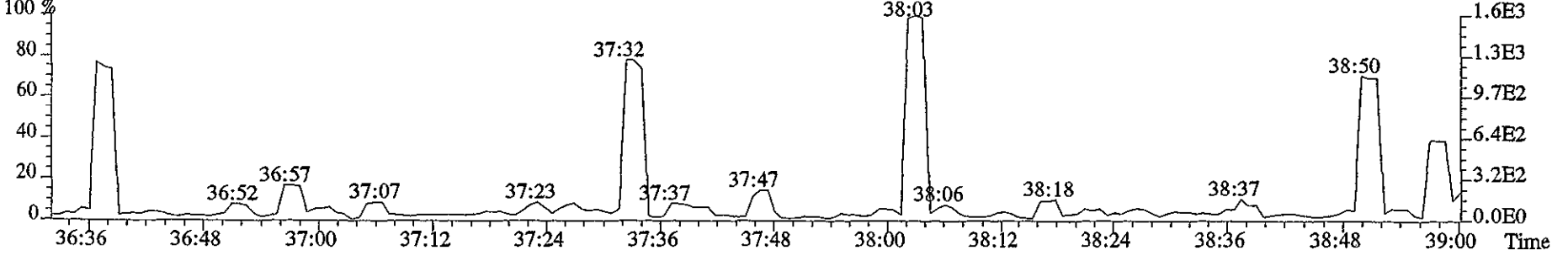
441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



443.7399 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)

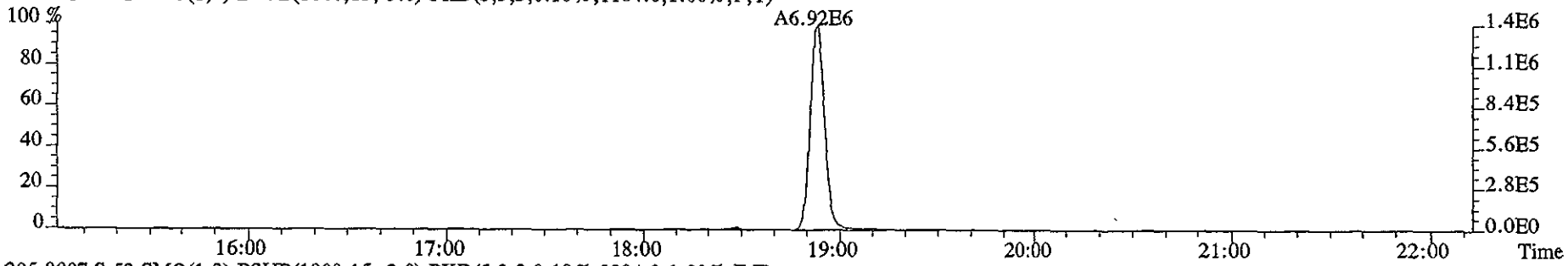


513.6775 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,60.0,1.00%,F,T)

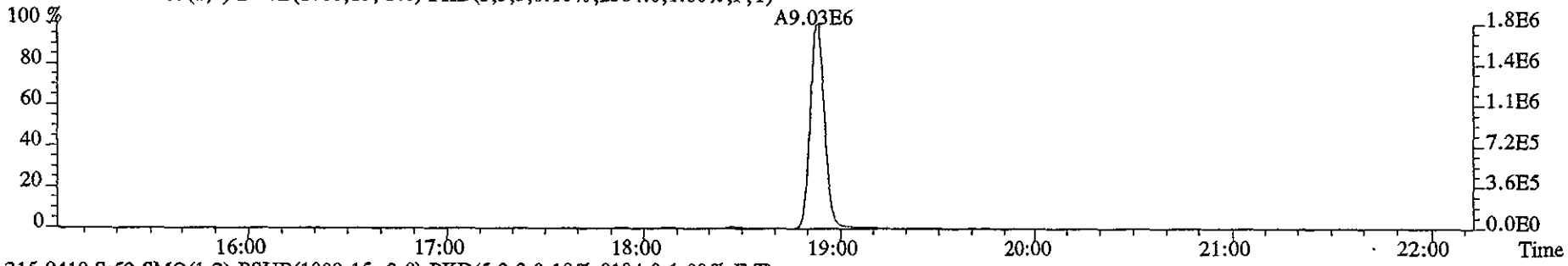


File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

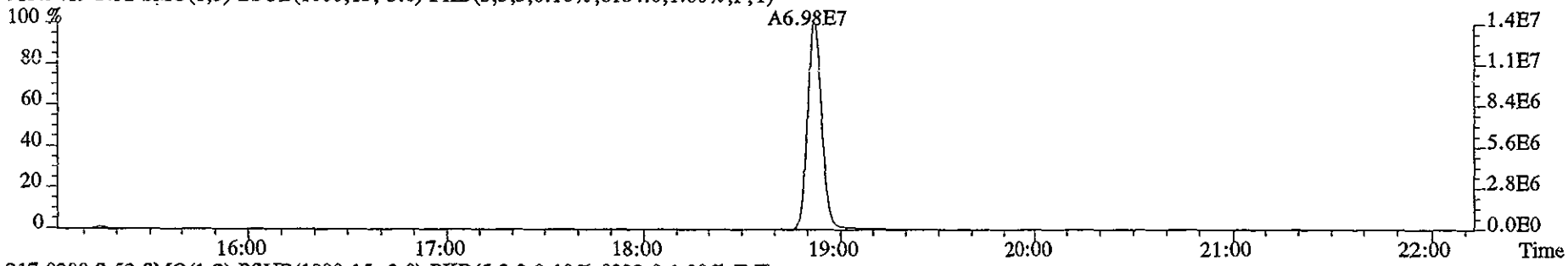
303.9016 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



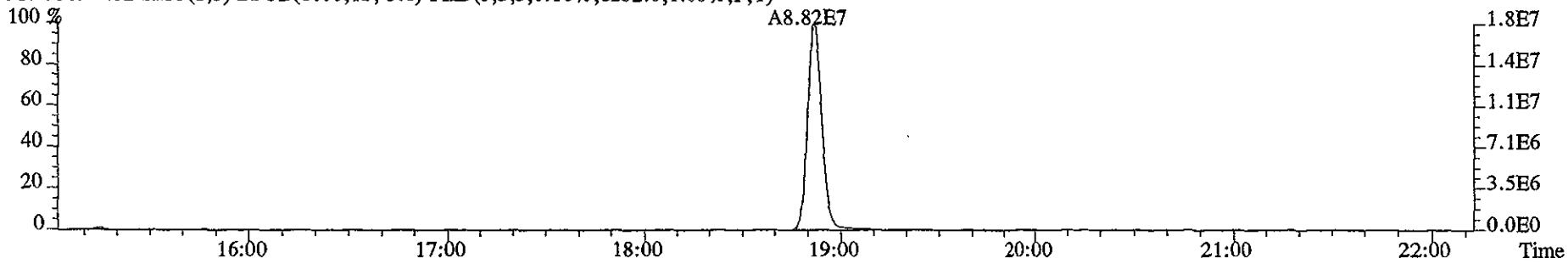
305.8987 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)



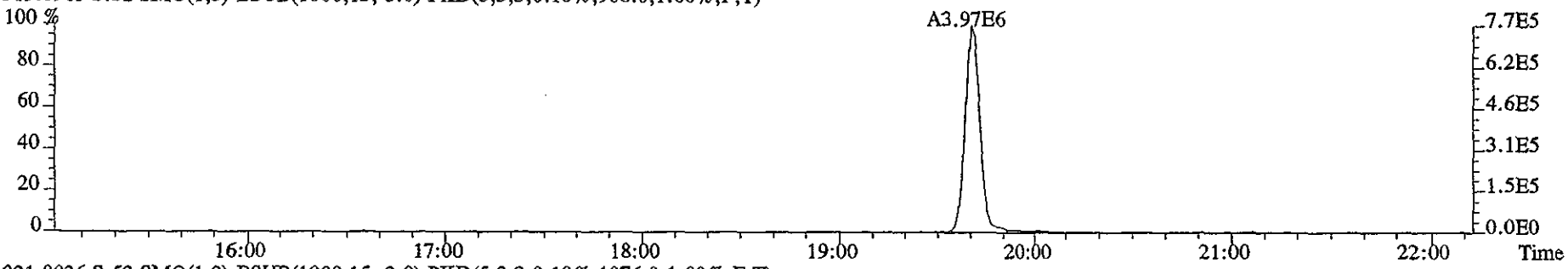
315.9419 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8184.0,1.00%,F,T)



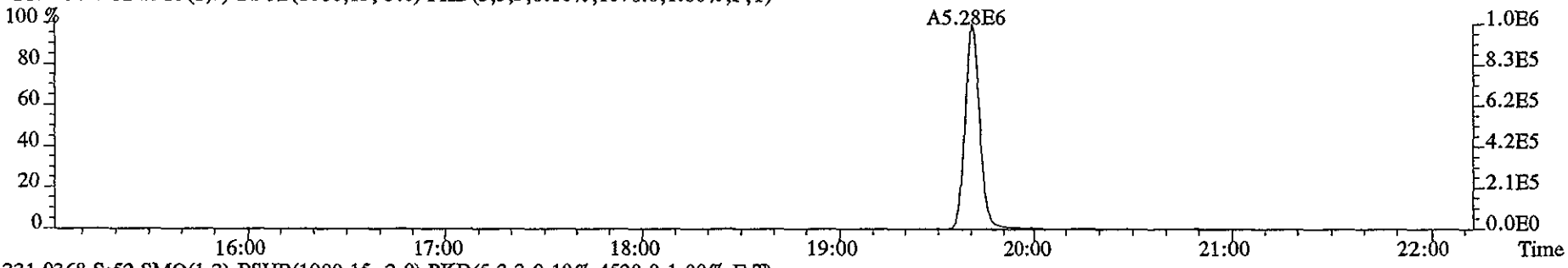
317.9389 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8232.0,1.00%,F,T)



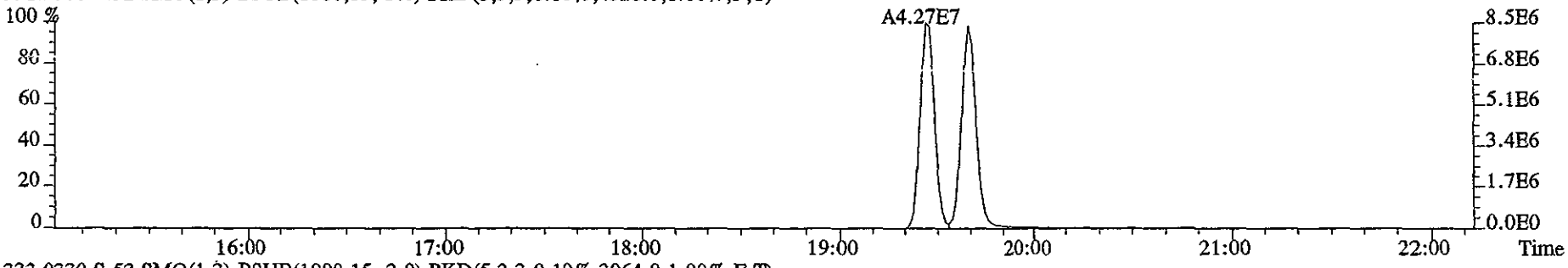
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
319.8965 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)



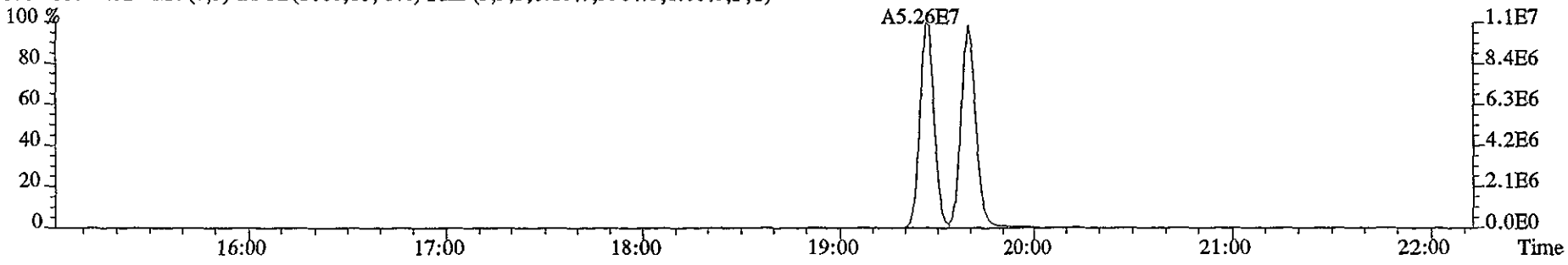
321.8936 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1076.0,1.00%,F,T)



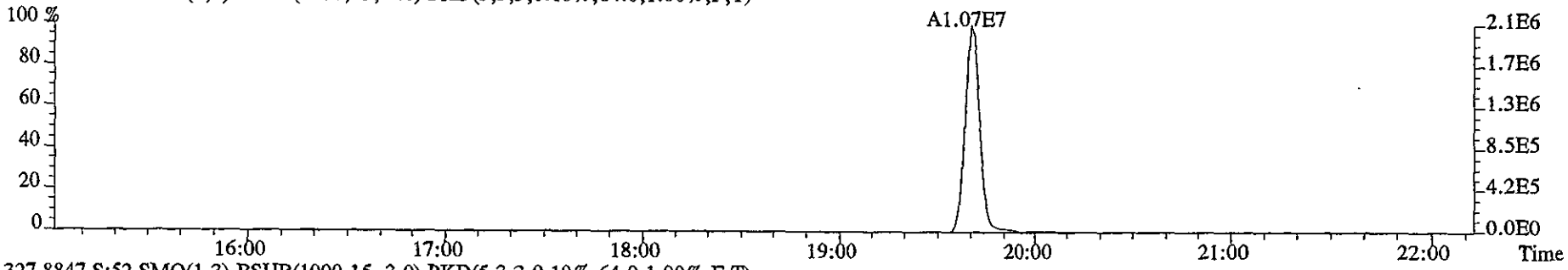
331.9368 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4528.0,1.00%,F,T)



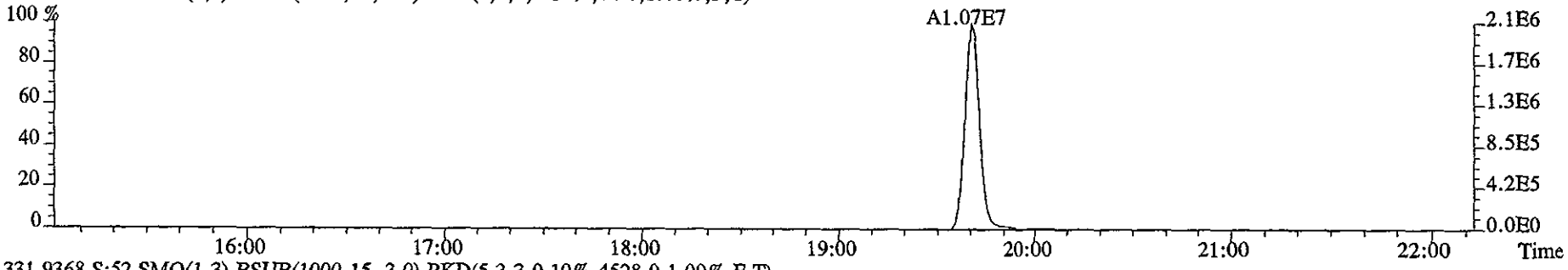
333.9339 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3964.0,1.00%,F,T)



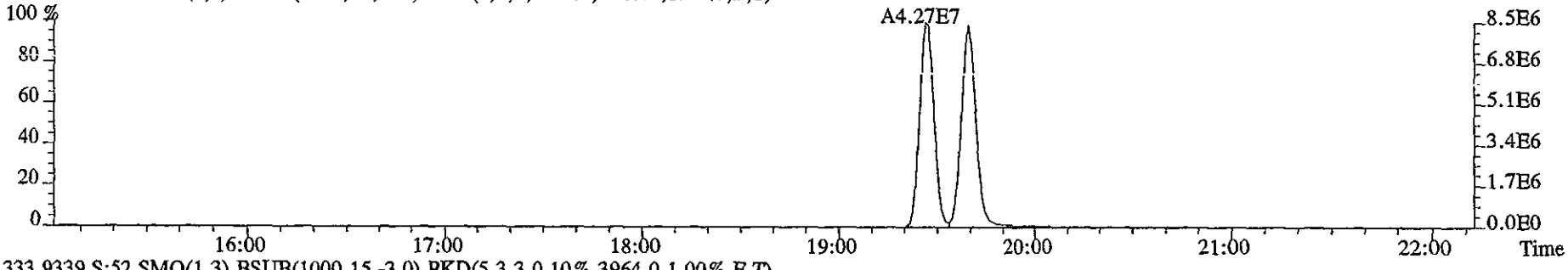
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
327.8847 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



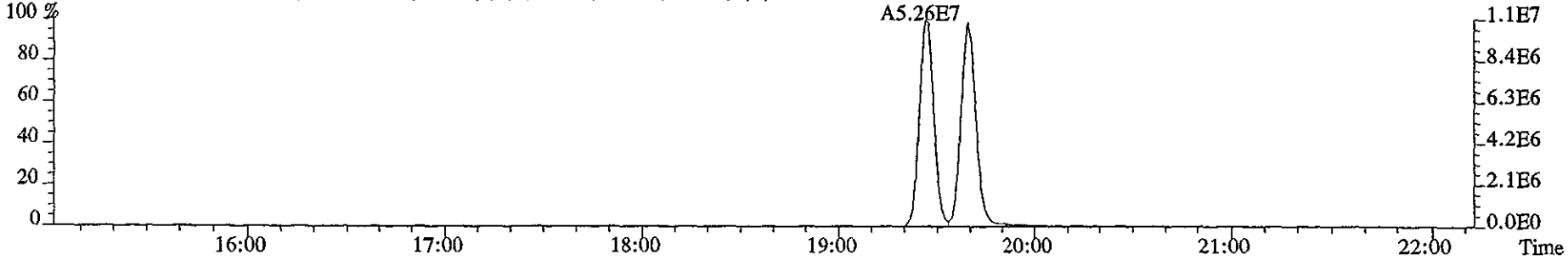
327.8847 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



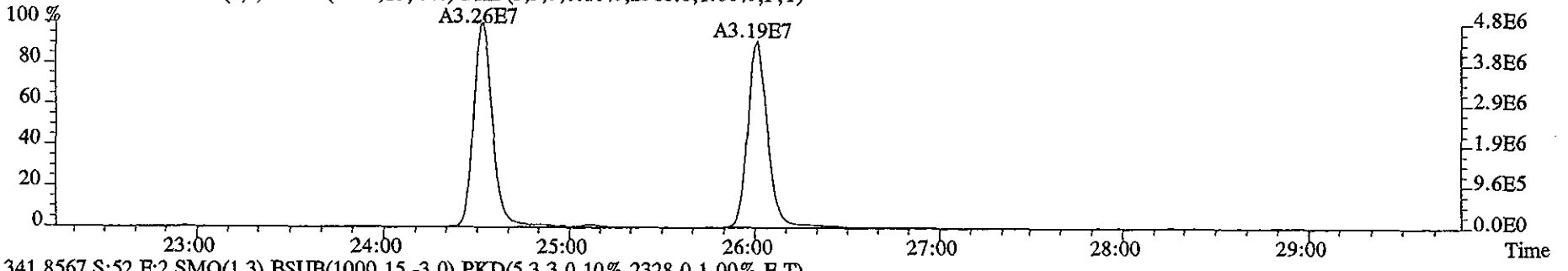
331.9368 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4528.0,1.00%,F,T)



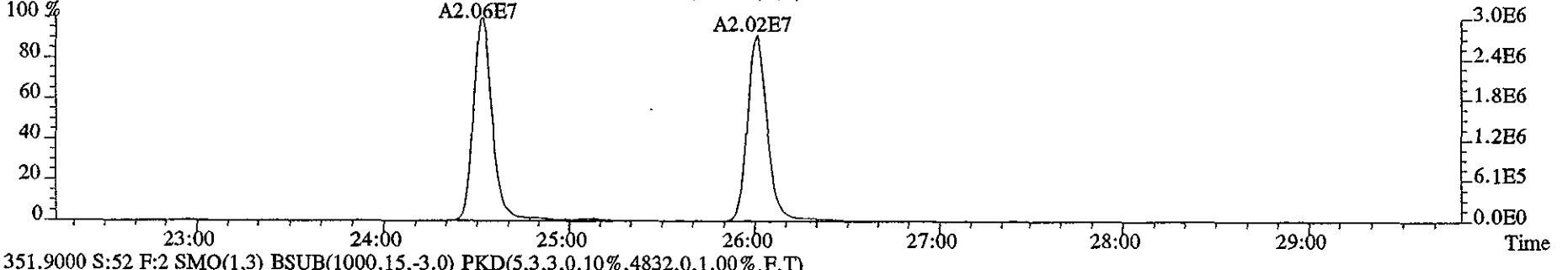
333.9339 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3964.0,1.00%,F,T)



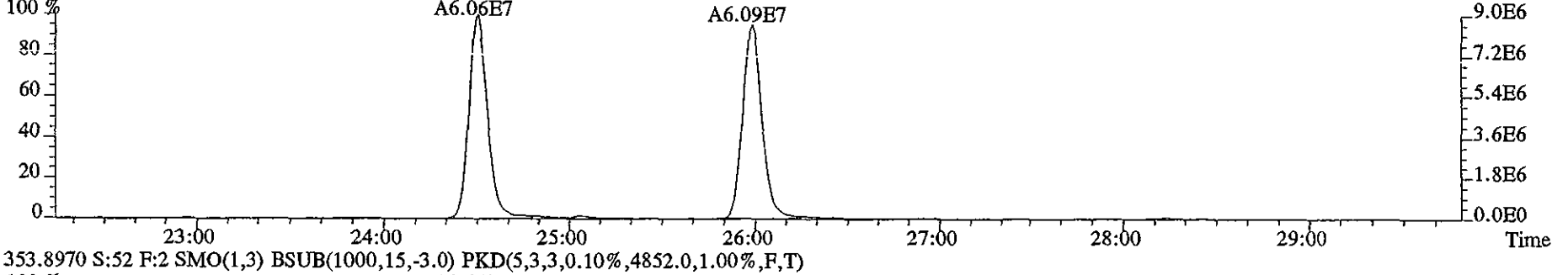
File:07MY104D5 #1-604 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



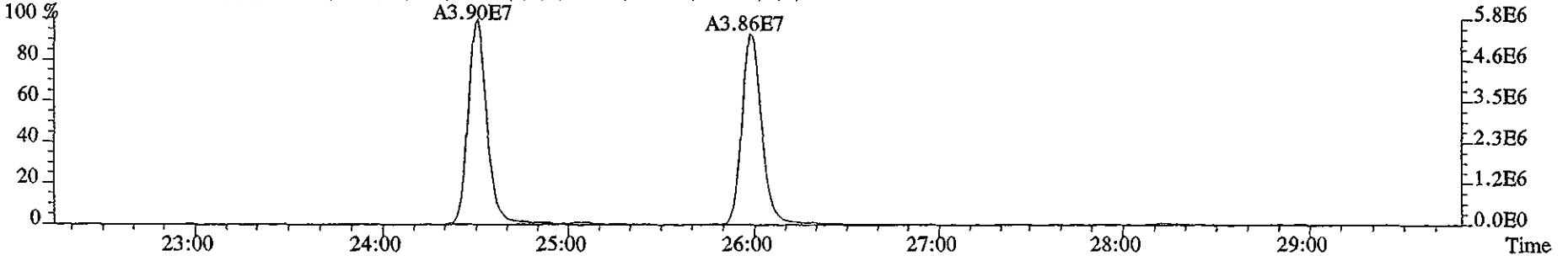
341.8567 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



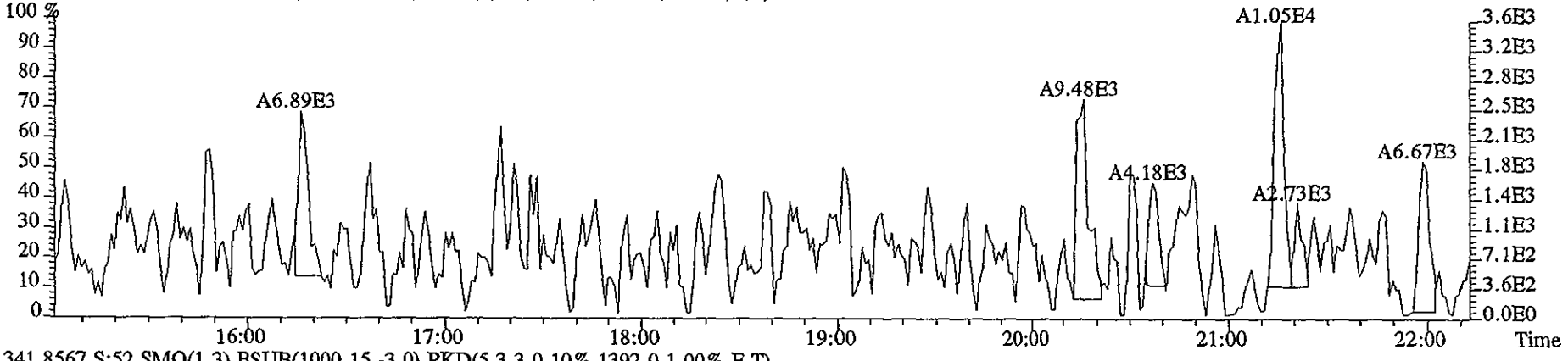
351.9000 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



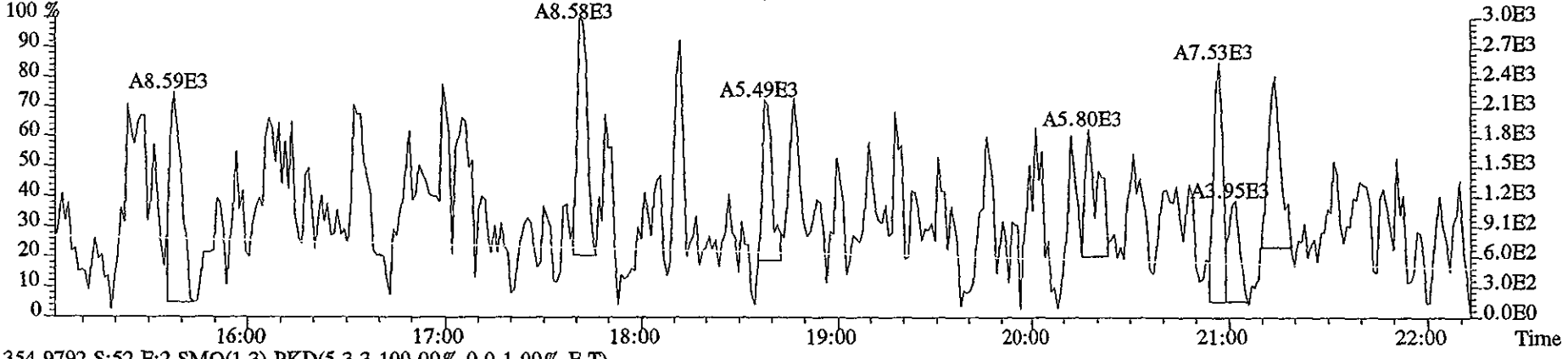
353.8970 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4852.0,1.00%,F,T)



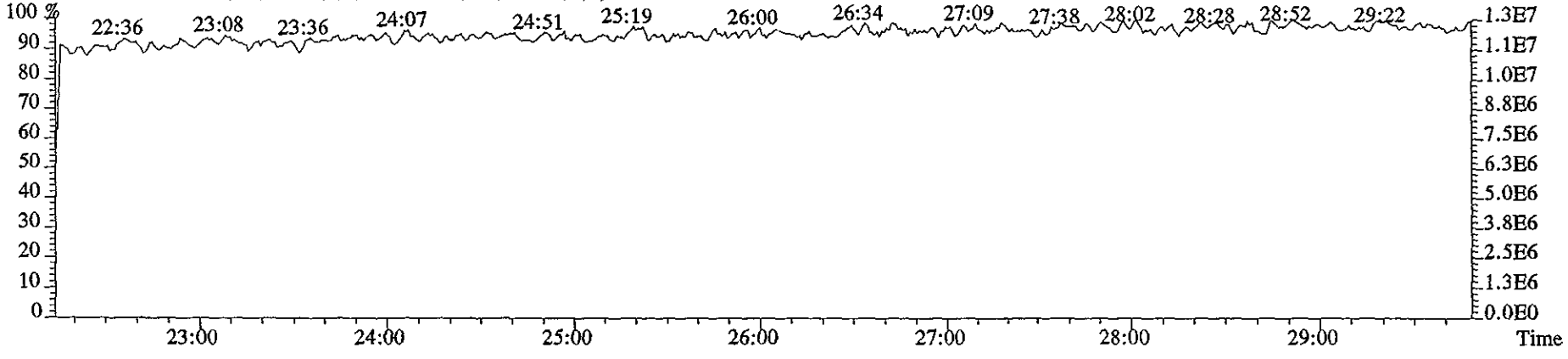
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1300.0,1.00%,F,T)



341.8567 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1392.0,1.00%,F,T)

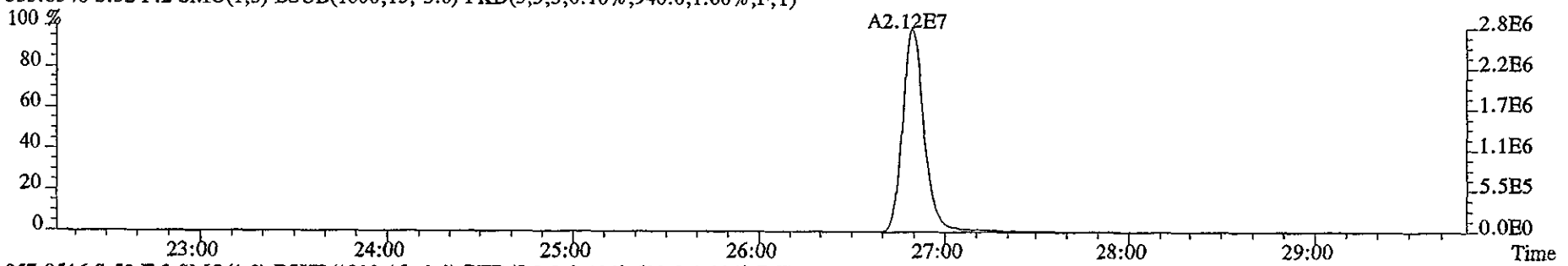


354.9792 S:52 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

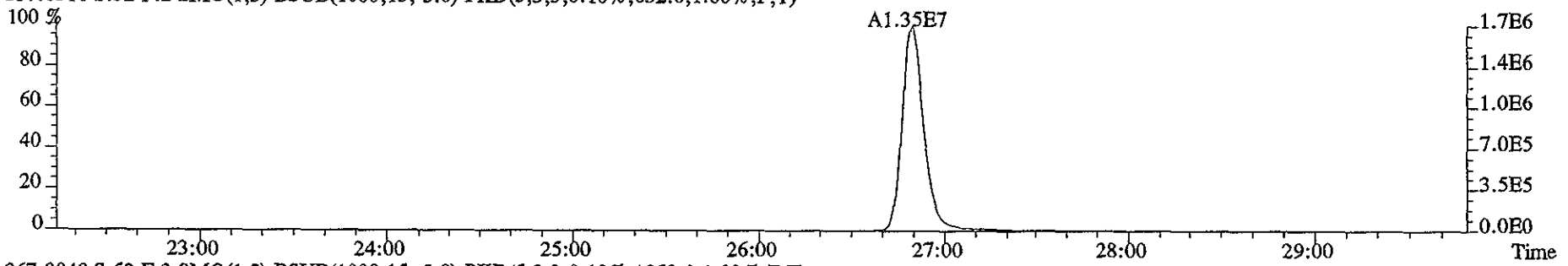


File:07MY104D5 #1-604 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

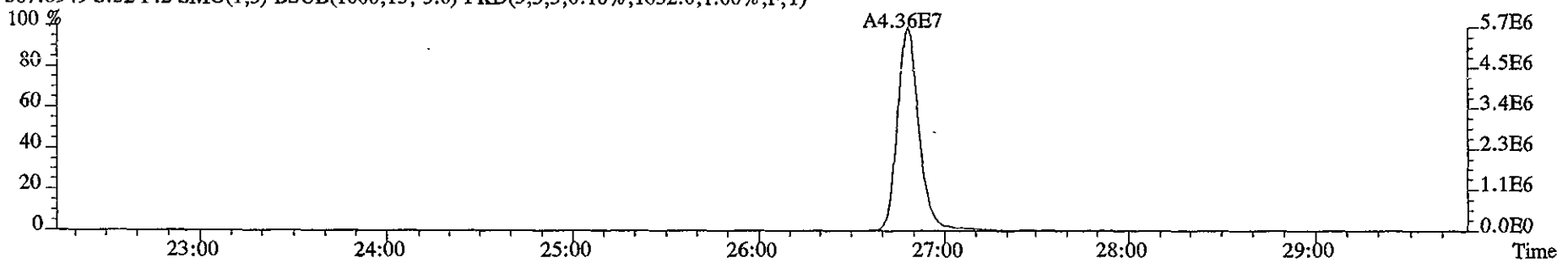
355.8546 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,940.0,1.00%,F,T)



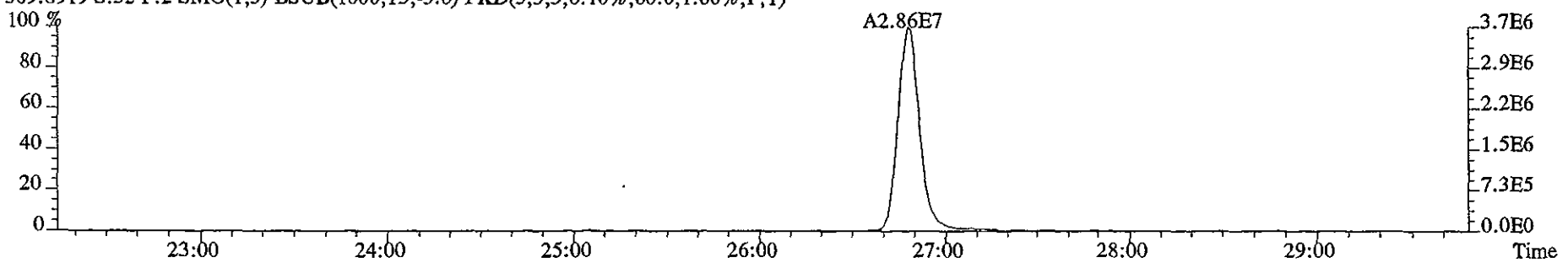
357.8516 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,632.0,1.00%,F,T)



367.8949 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1852.0,1.00%,F,T)

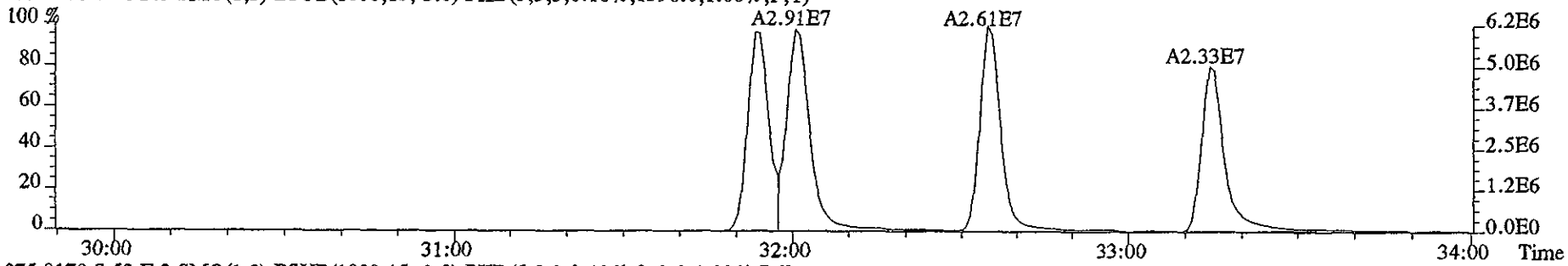


369.8919 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)

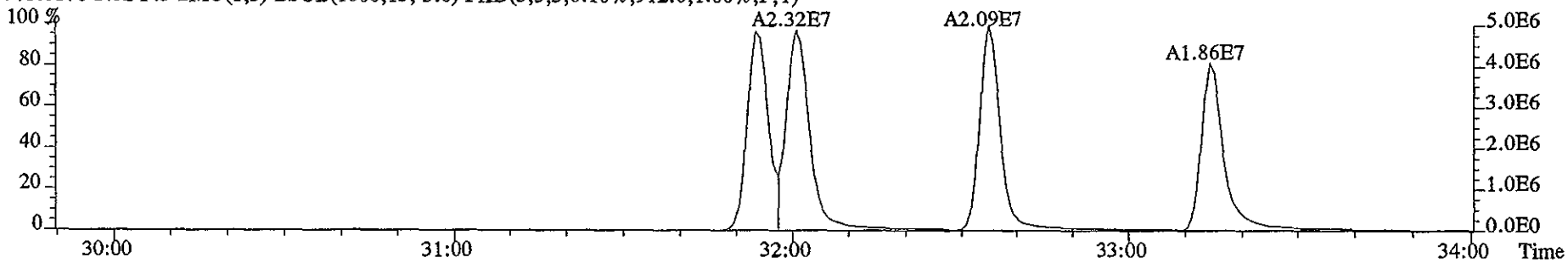


File:07MY104D5 #1-317 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

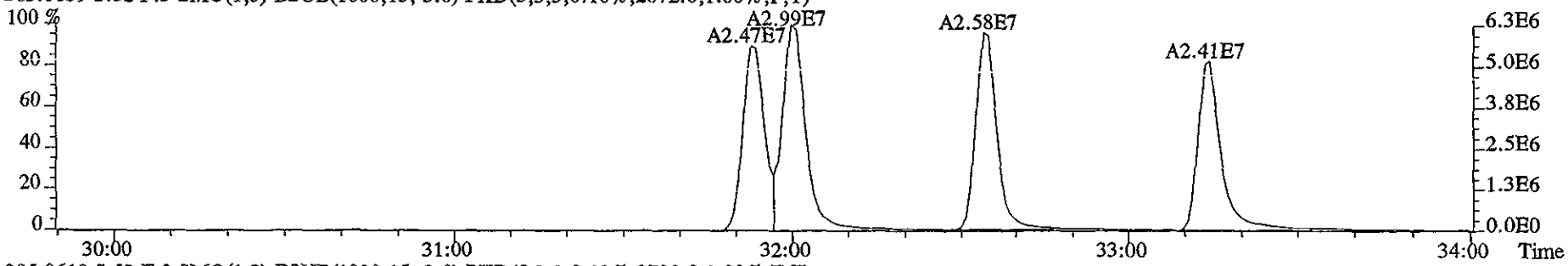
373.8208 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1596.0,1.00%,F,T)



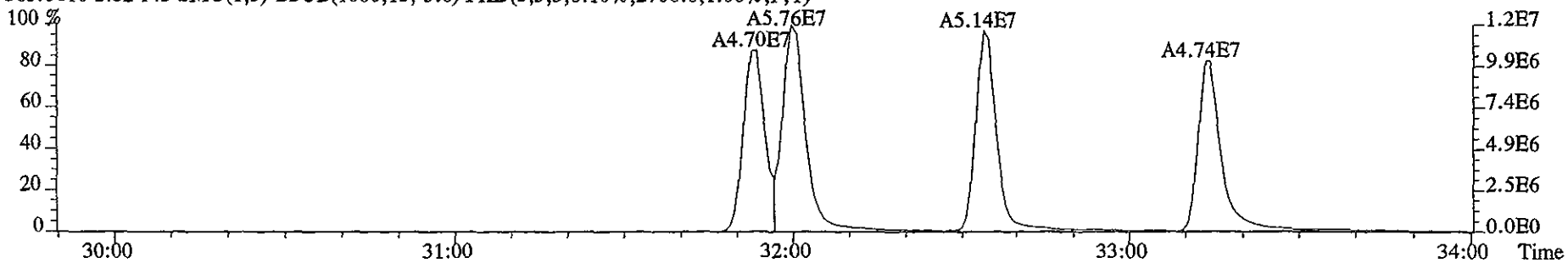
375.8178 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,912.0,1.00%,F,T)



383.8639 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2072.0,1.00%,F,T)

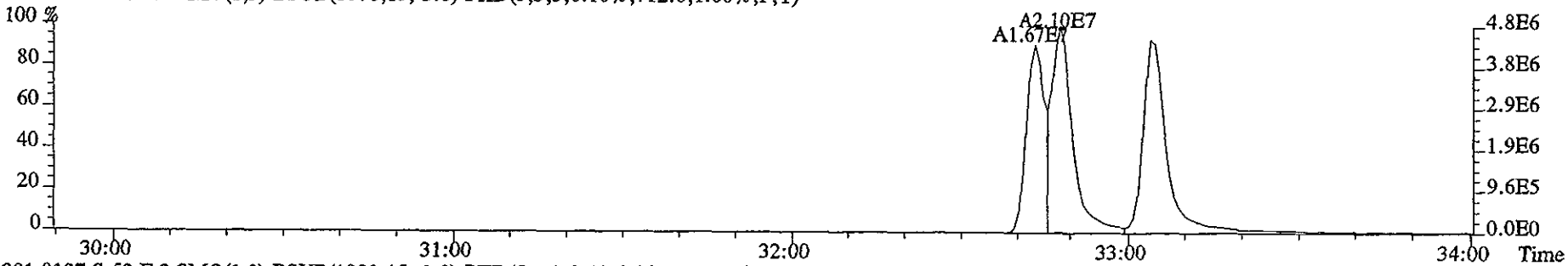


385.8610 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2700.0,1.00%,F,T)

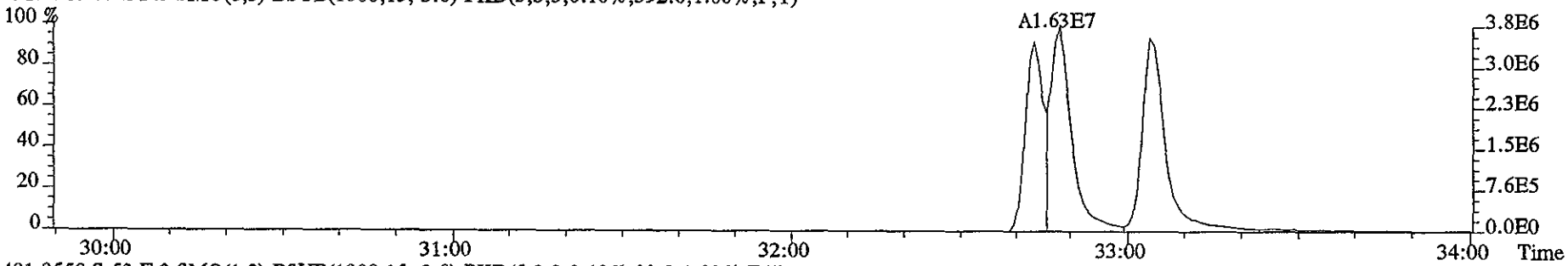


File:07MY104D5 #1-317 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

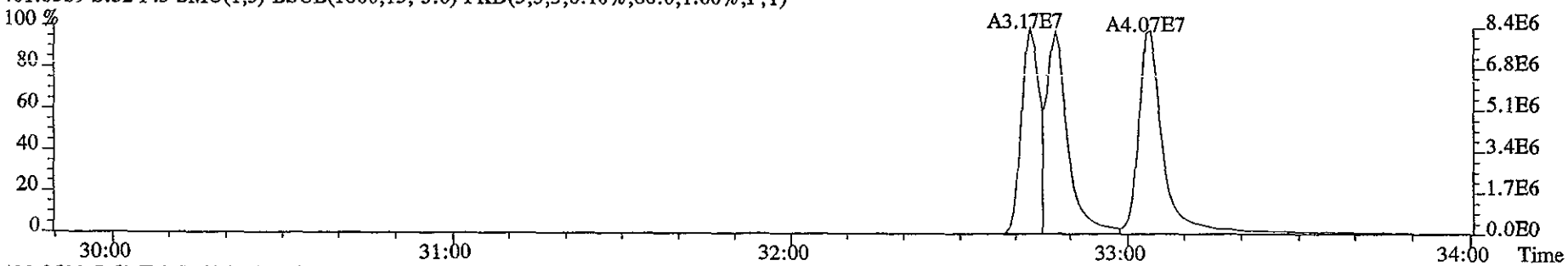
389.8157 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



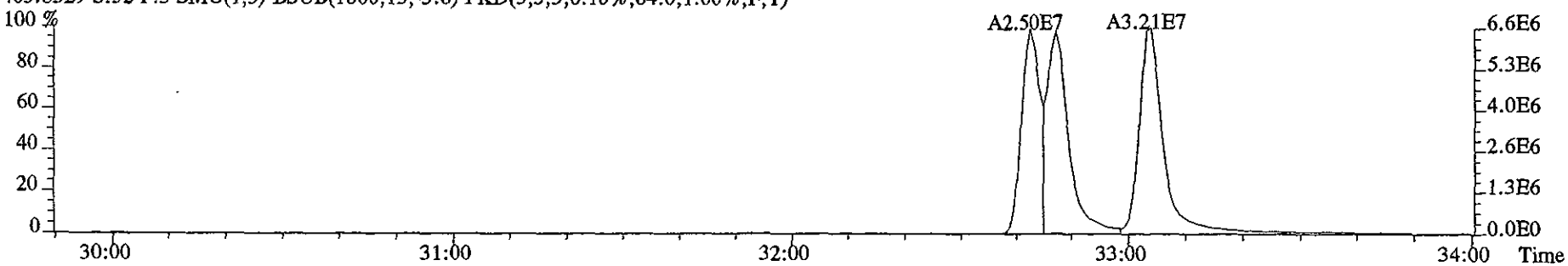
391.8127 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,392.0,1.00%,F,T)



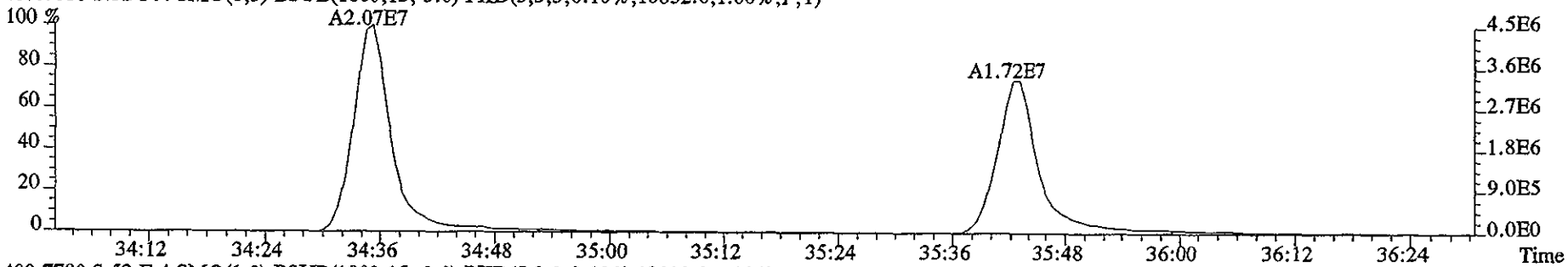
401.8559 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



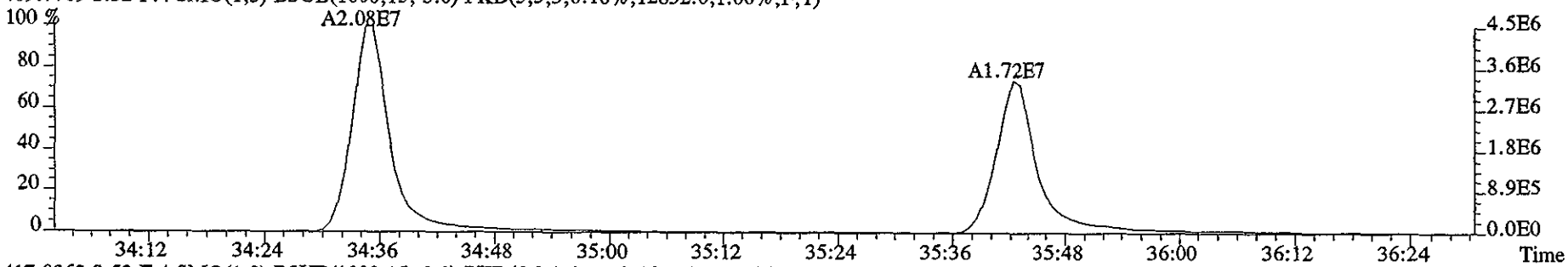
403.8529 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



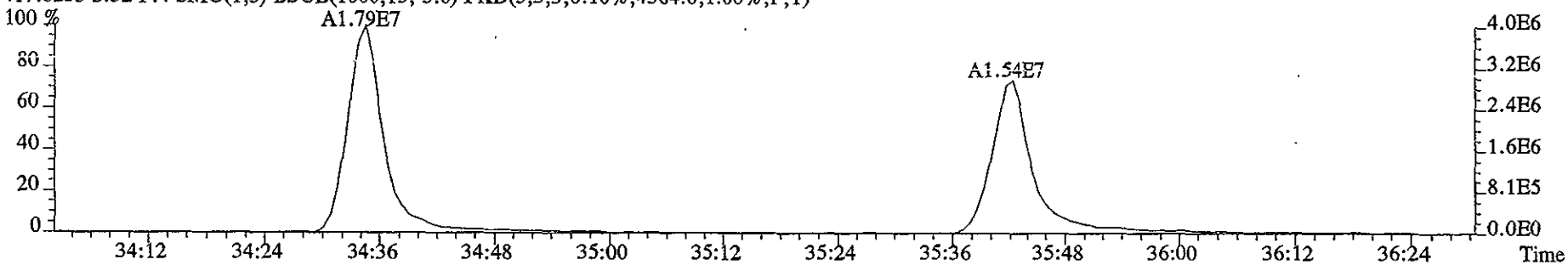
File:07MY104D5 #1-198 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
407.7818 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10852.0,1.00%,F,T)



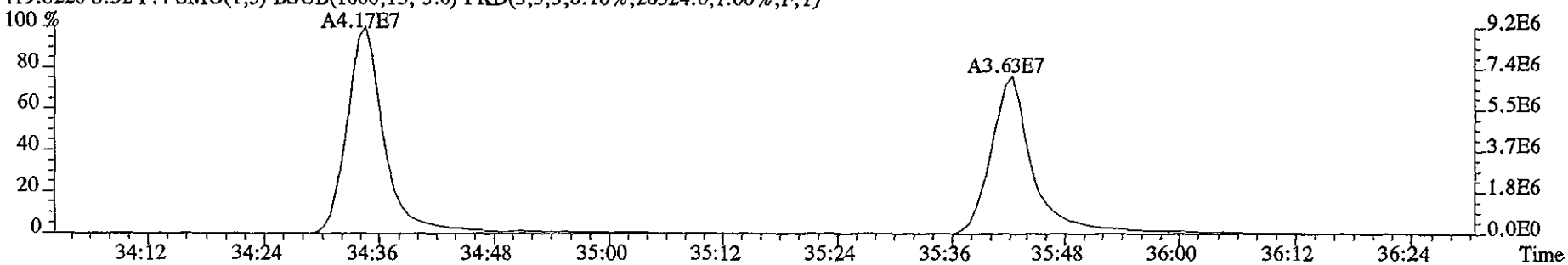
409.7789 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12832.0,1.00%,F,T)



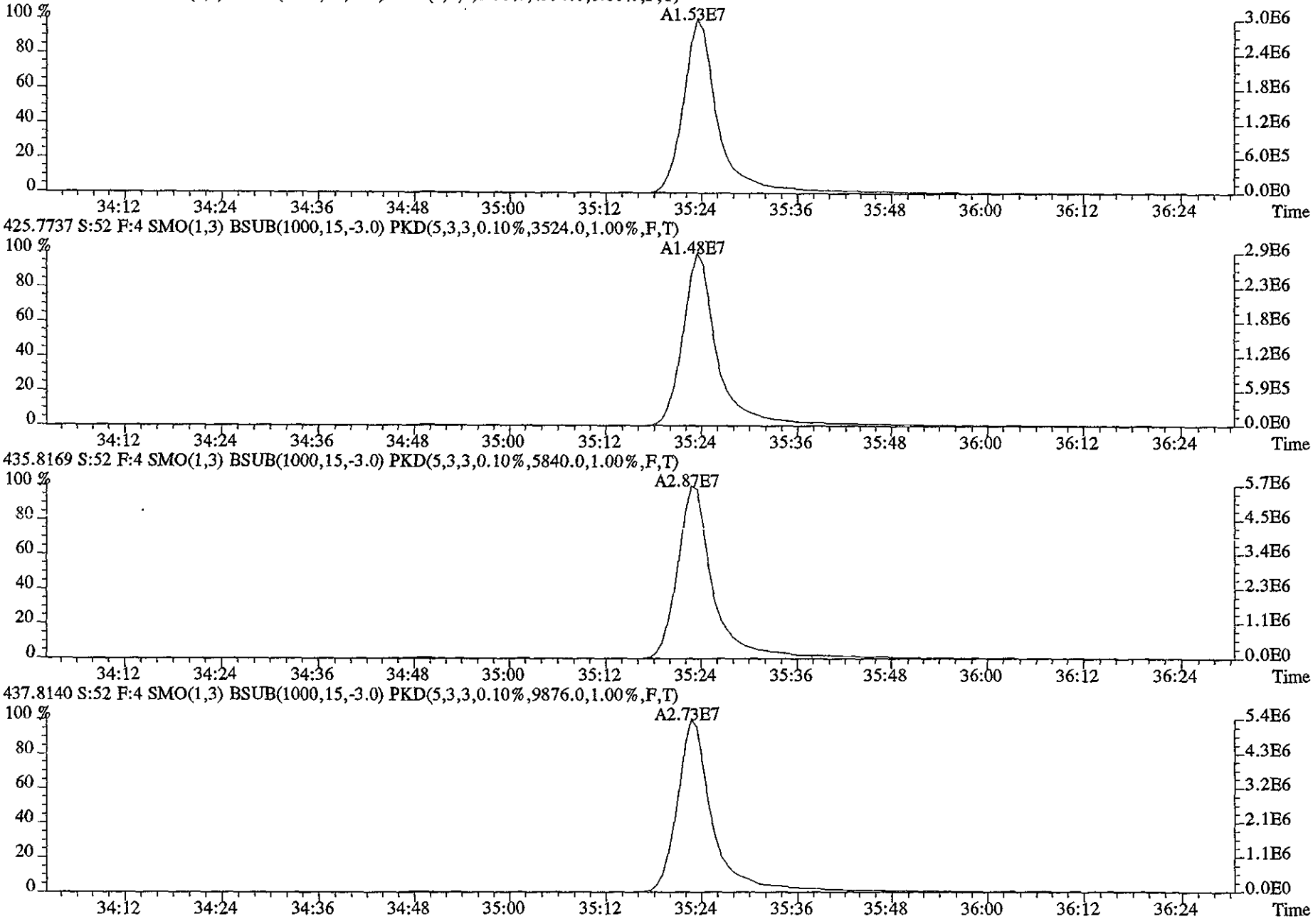
417.8253 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4564.0,1.00%,F,T)



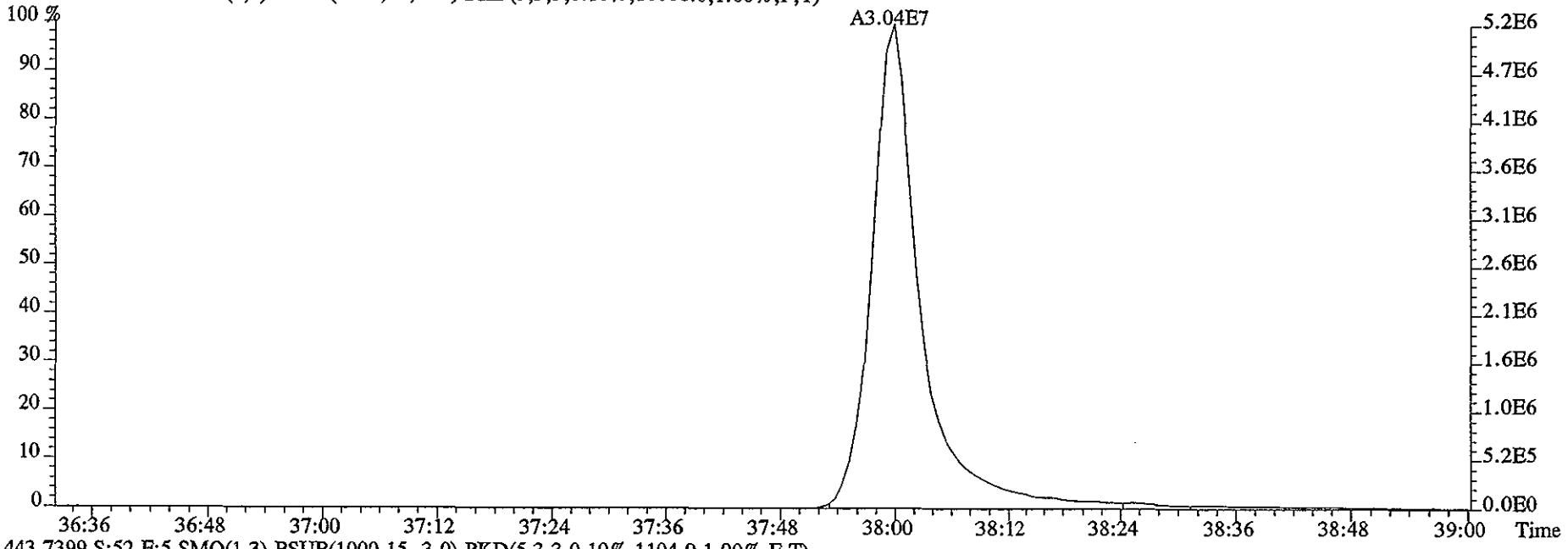
419.8220 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20324.0,1.00%,F,T)



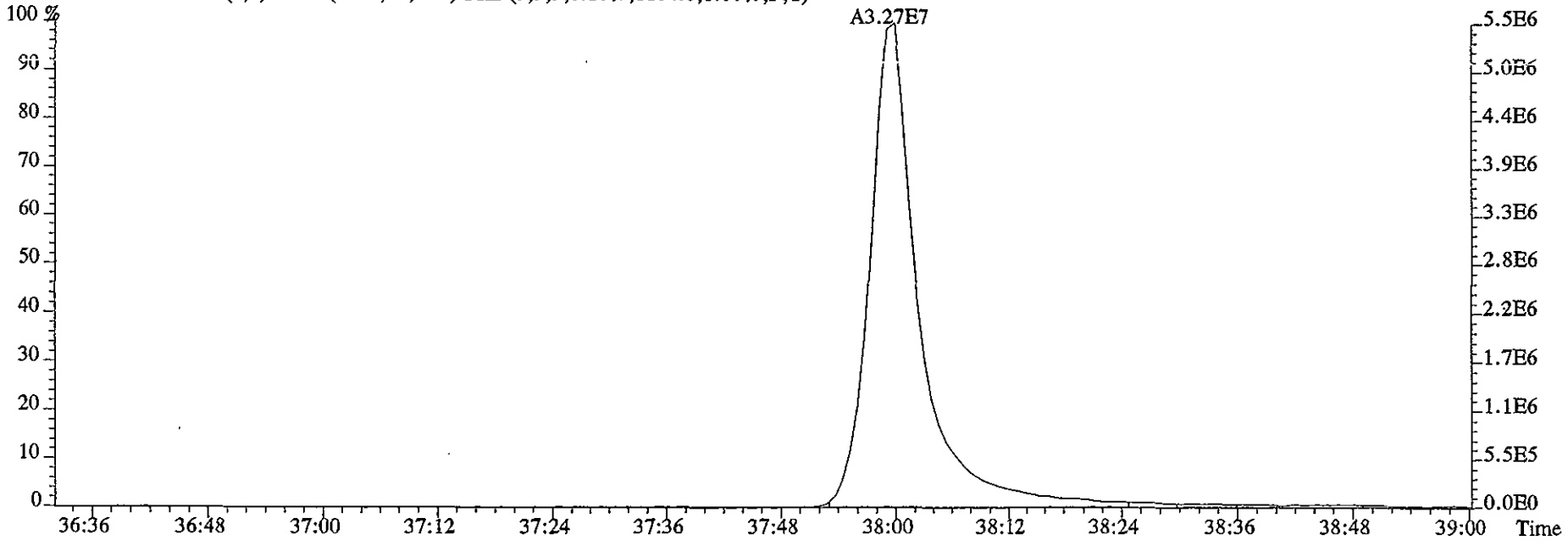
File:07MY104D5 #1-198 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A



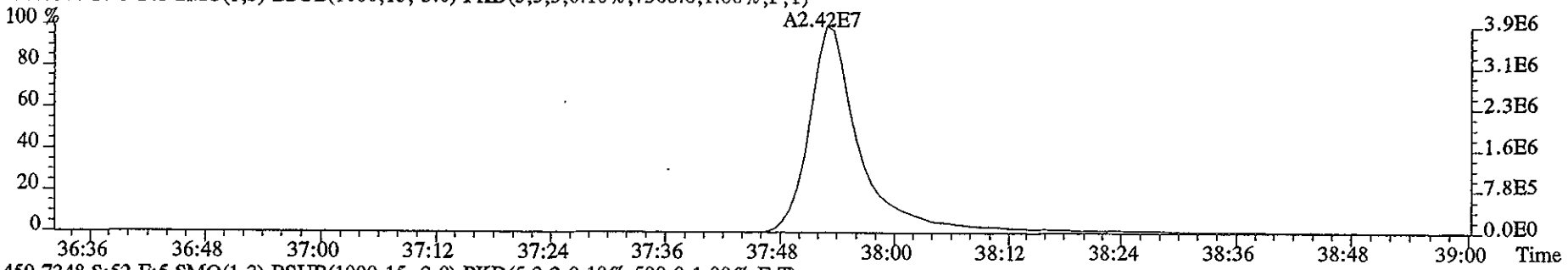
File:07MY104D5 #1-190 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
441.7428 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10008.0,1.00%,F,T)



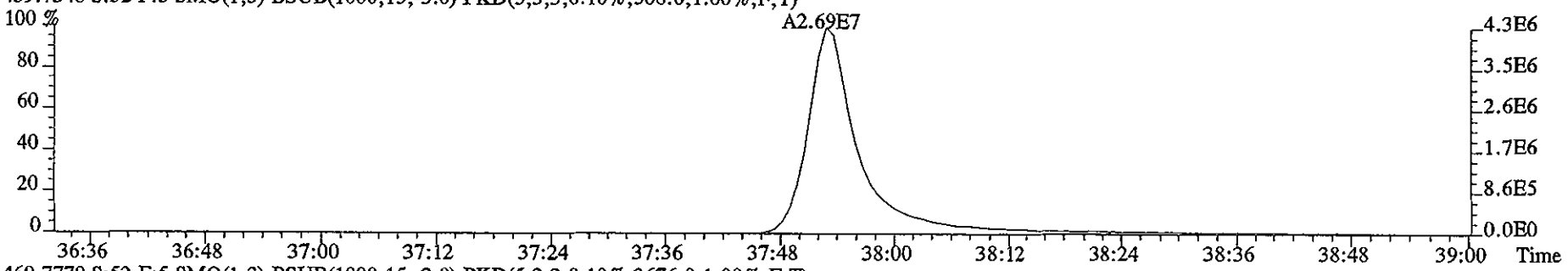
443.7399 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



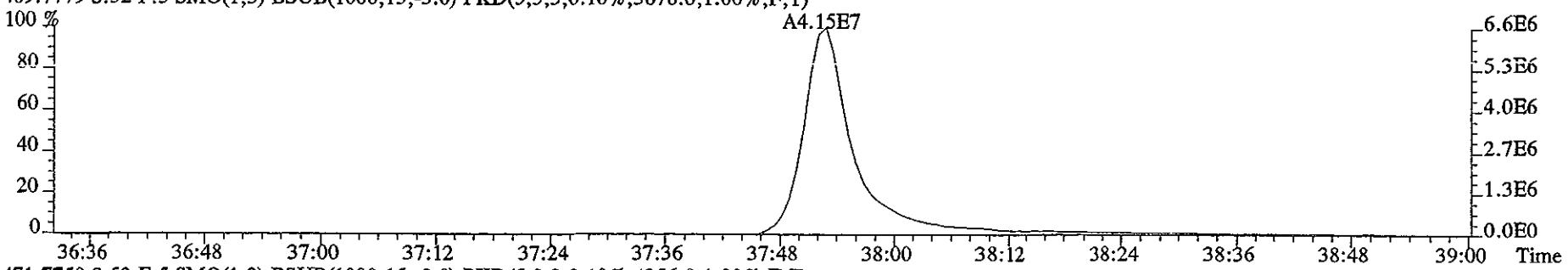
File:07MY104D5 #1-190 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
457.7377 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7300.0,1.00%,F,T)



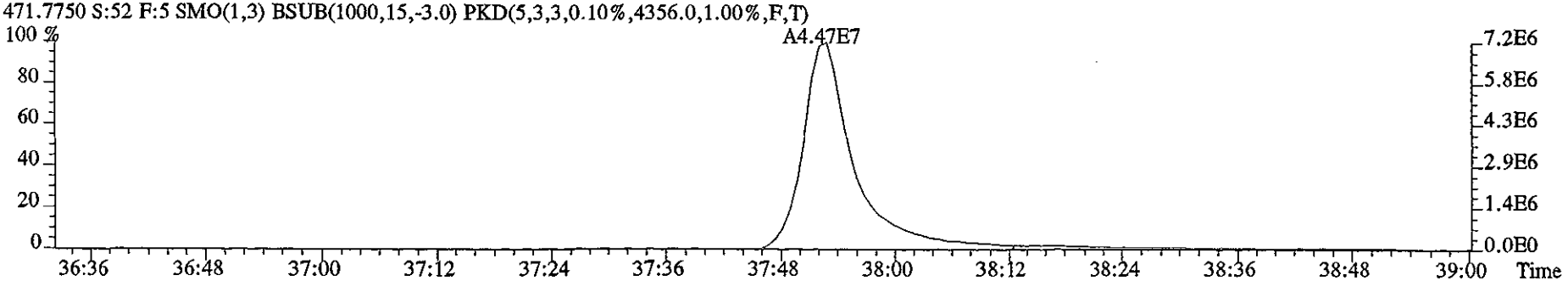
459.7348 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,508.0,1.00%,F,T)



469.7779 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)

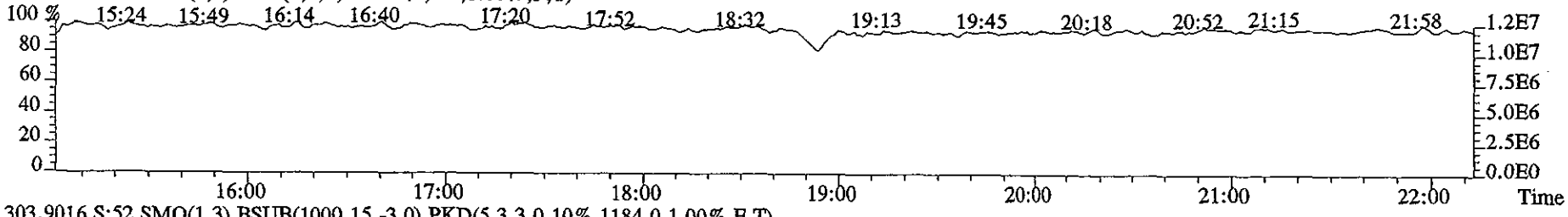


471.7750 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4356.0,1.00%,F,T)

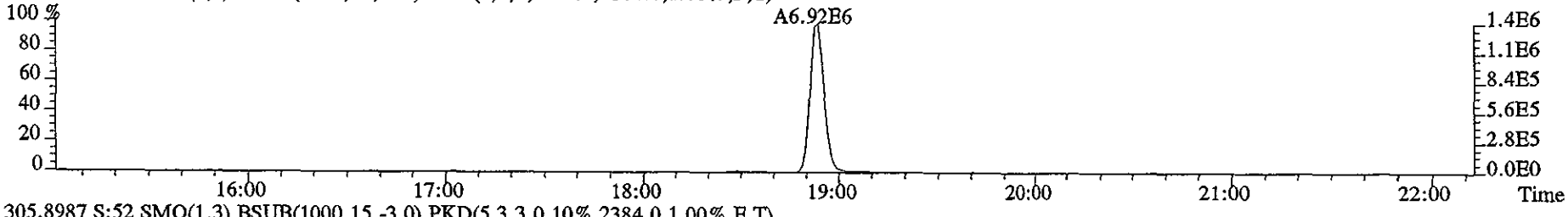


File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

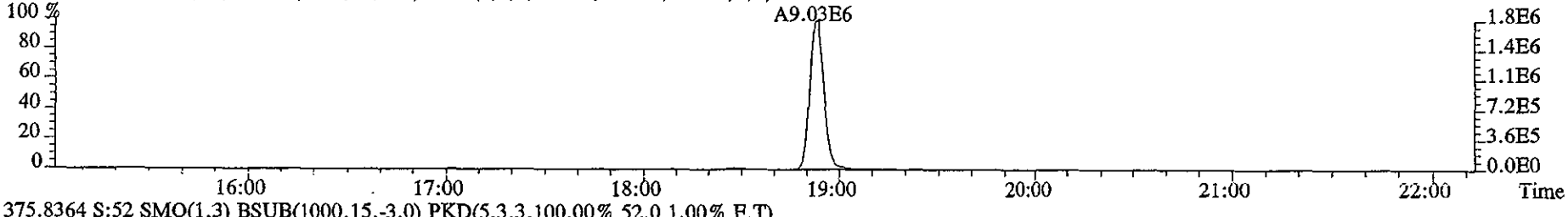
354.9792 S:52 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



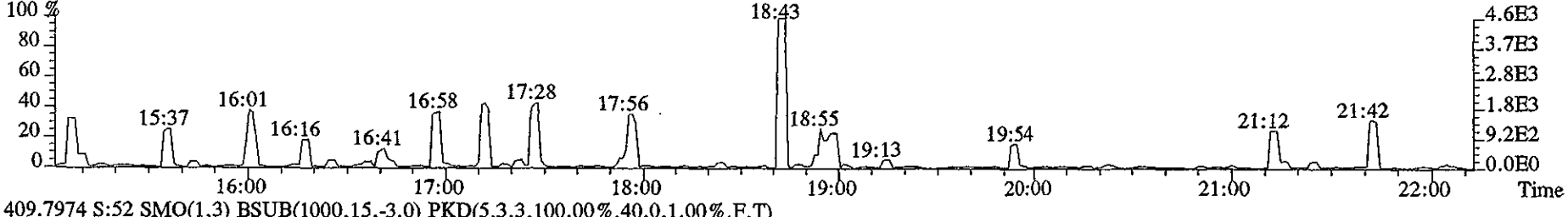
303.9016 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



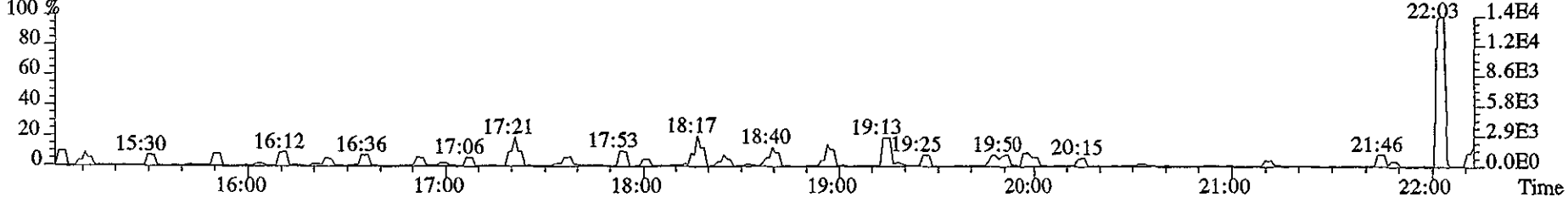
305.8987 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)



375.8364 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)

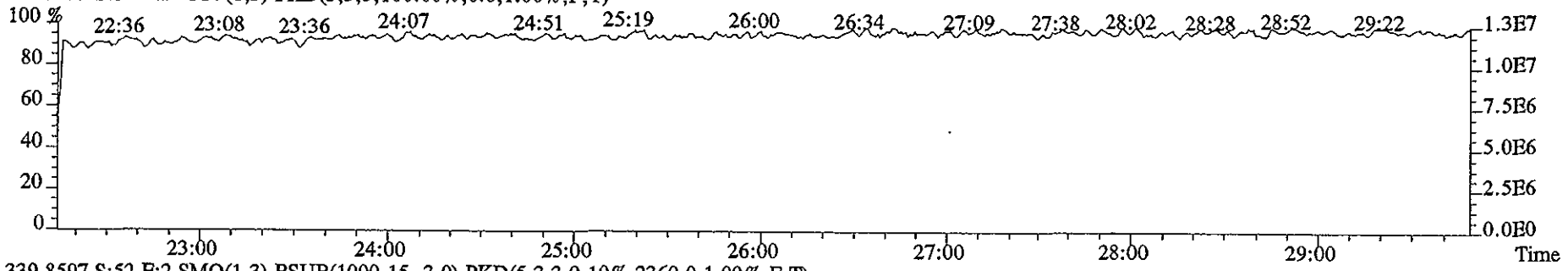


409.7974 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,40.0,1.00%,F,T)

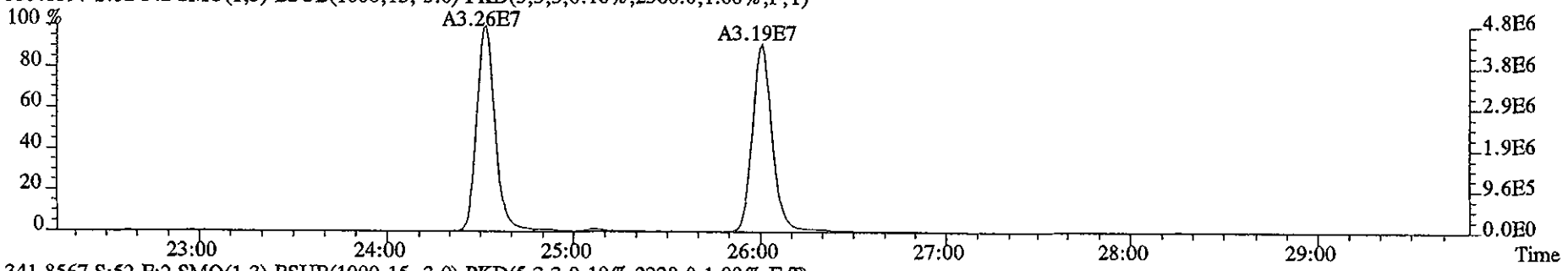


File:07MY104D5 #1-604 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

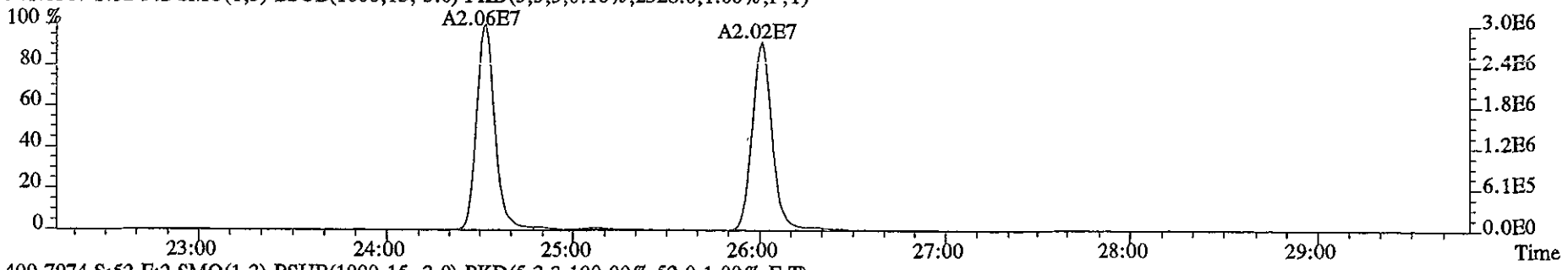
354.9792 S:52 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



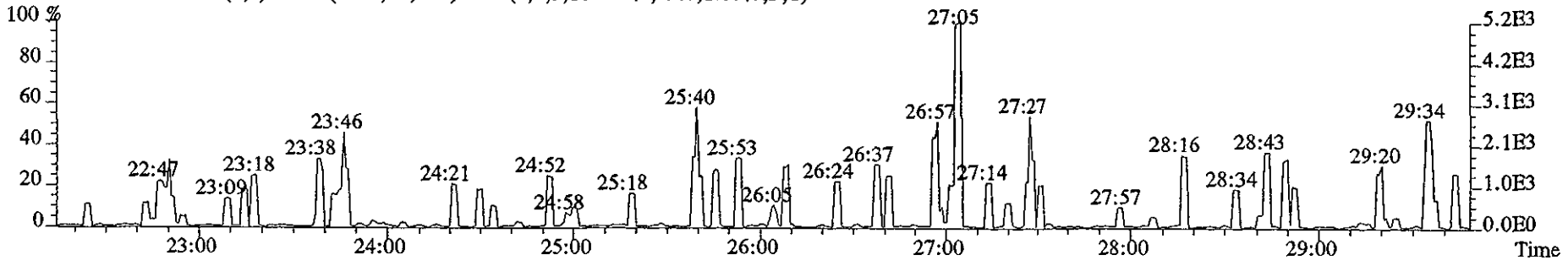
339.8597 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



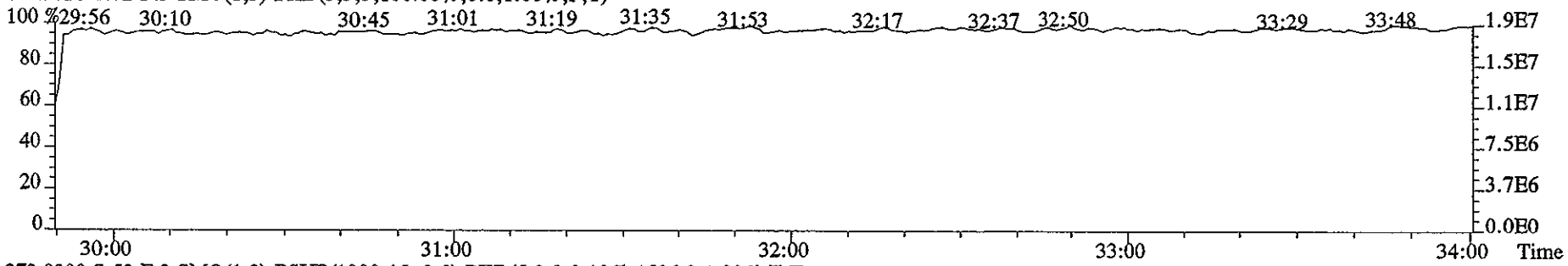
341.8567 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



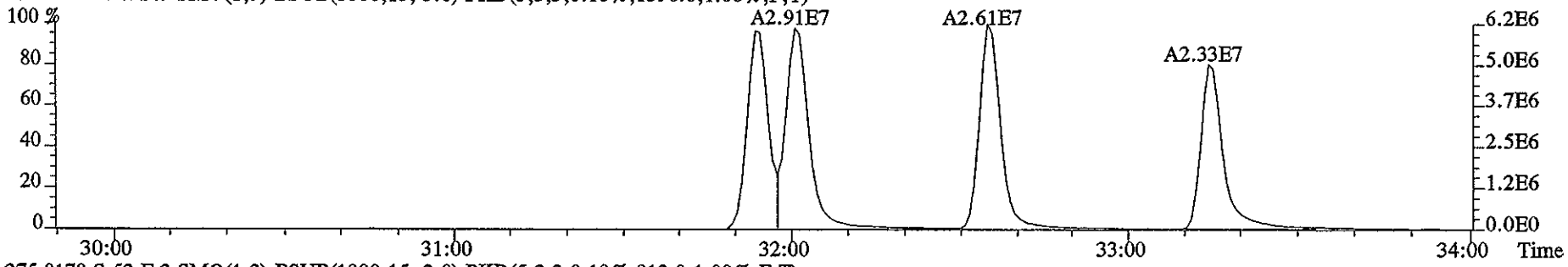
409.7974 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



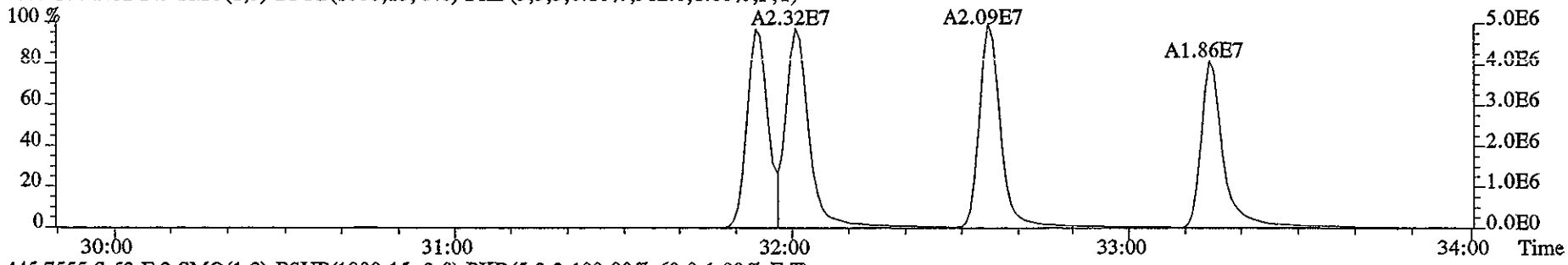
File:07MY104D5 #1-317 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
430.9728 S:52 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



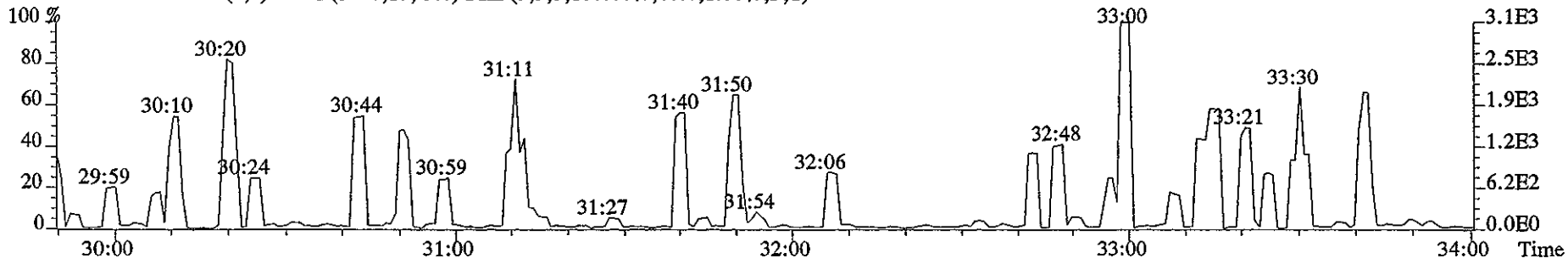
373.8208 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1596.0,1.00%,F,T)



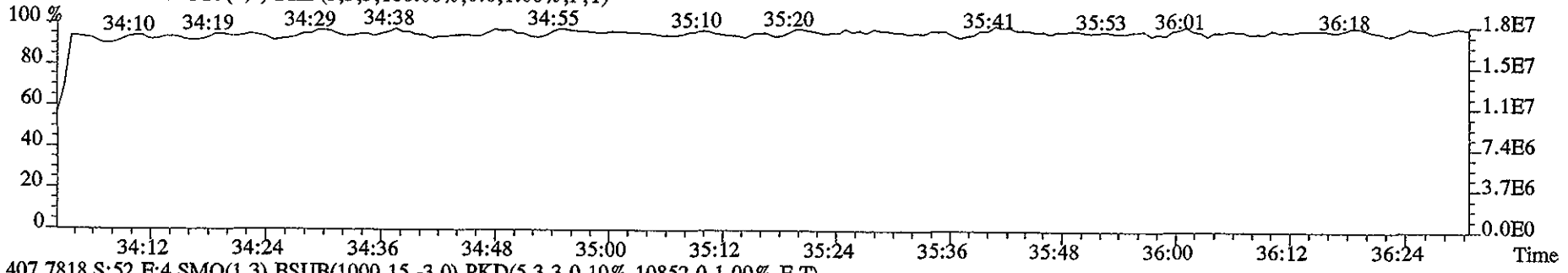
375.8178 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,912.0,1.00%,F,T)



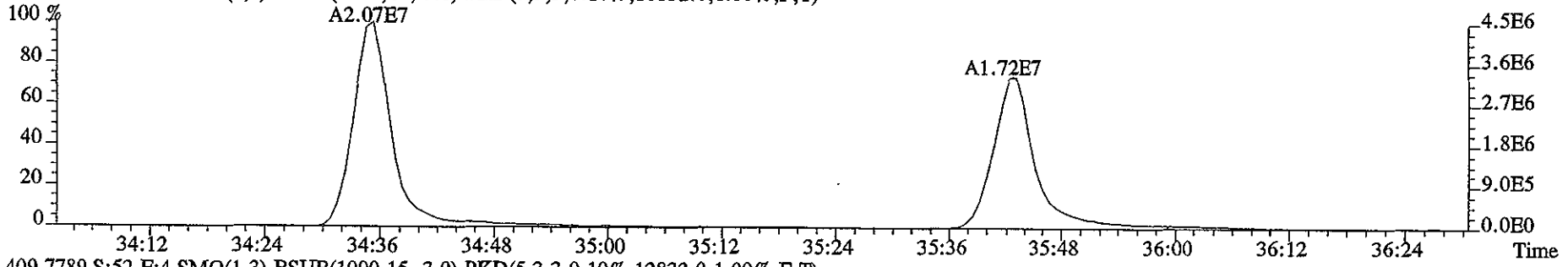
445.7555 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,60.0,1.00%,F,T)



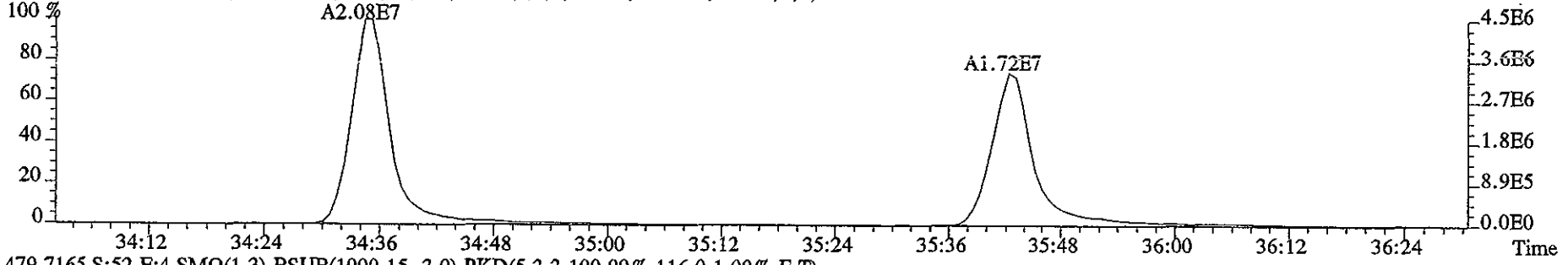
File:07MY104D5 #1-198 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
430.9728 S:52 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



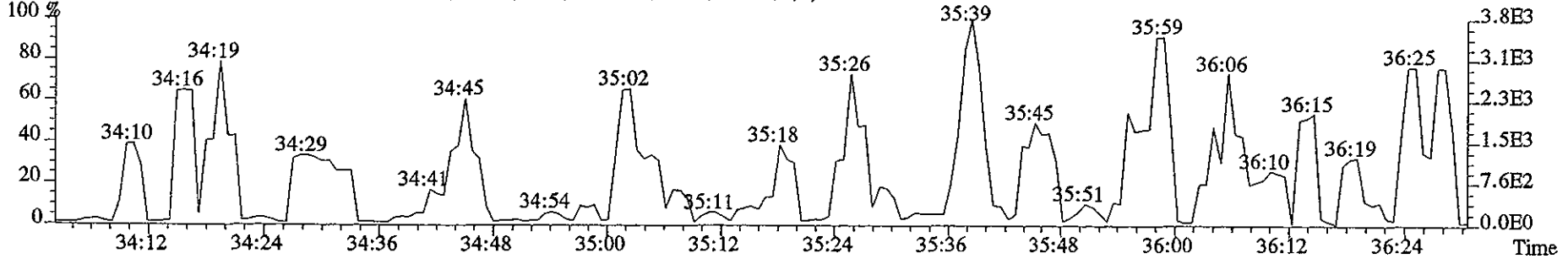
407.7818 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10852.0,1.00%,F,T)



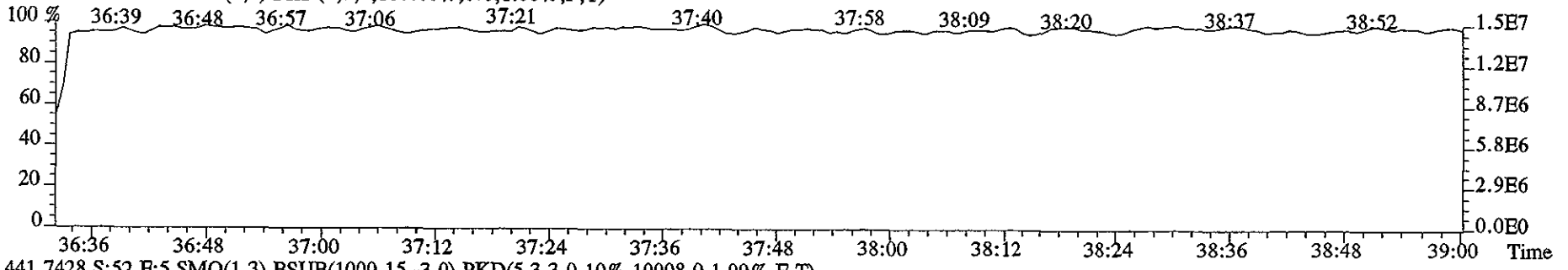
409.7789 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12832.0,1.00%,F,T)



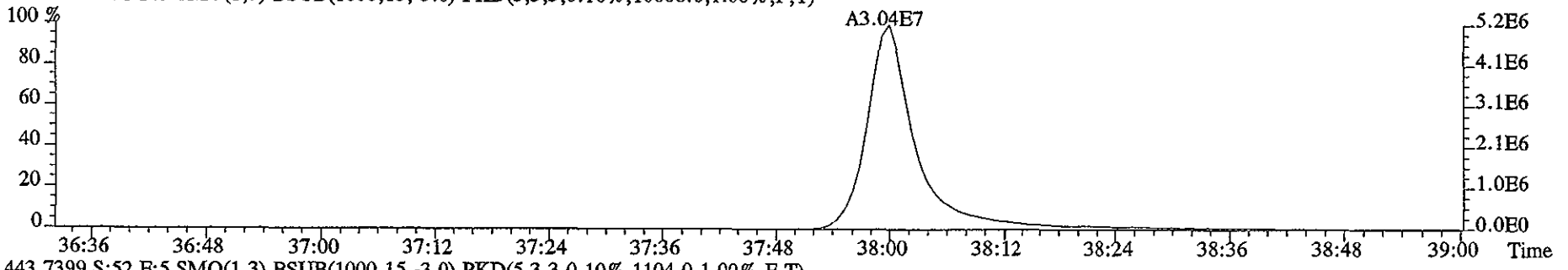
479.7165 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)



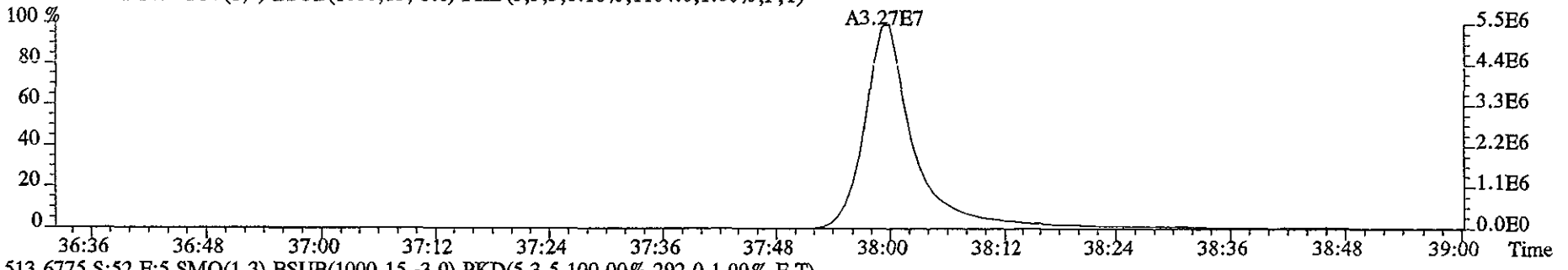
File:07MY104D5 #1-190 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
442.9728 S:52 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



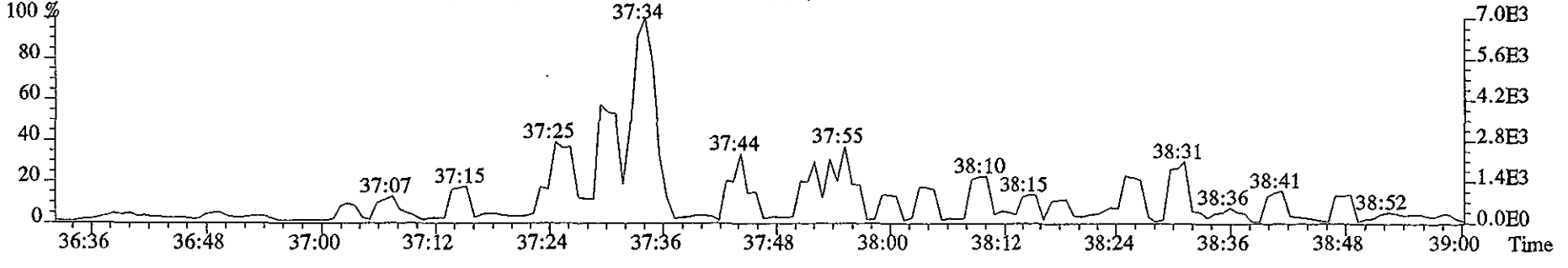
441.7428 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10008.0,1.00%,F,T)



443.7399 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



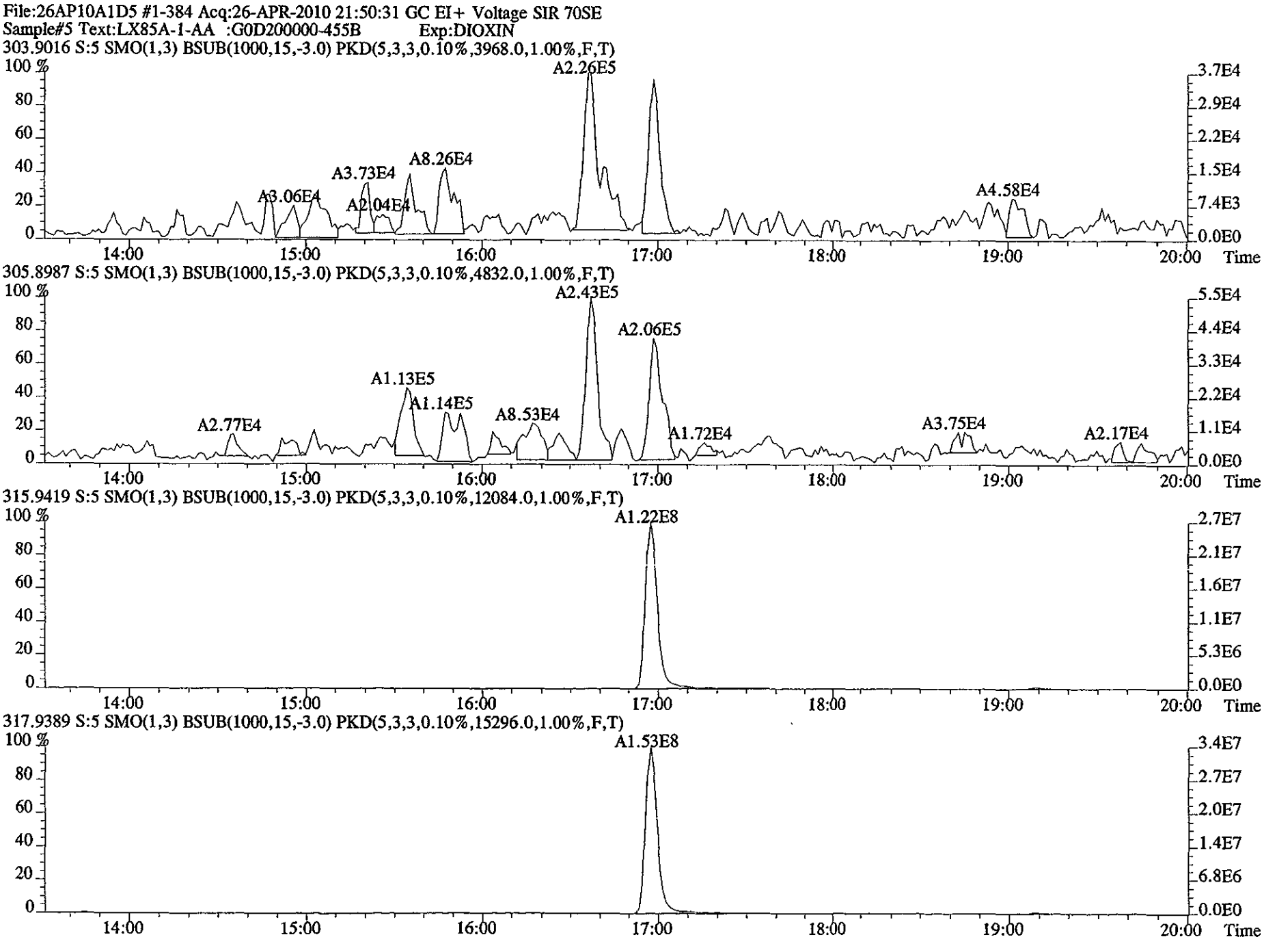
513.6775 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,292.0,1.00%,F,T)



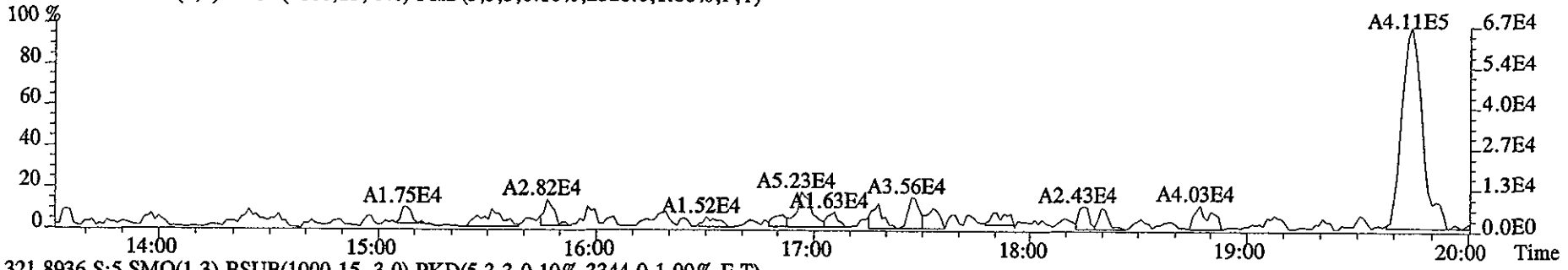
Run text: LX85A-1-AA Sample text: LX85A-1-AA :G0D200000-455B
Run #7 Filename: 26AP10A1D5 S: 5 I: 1 Results: 26AP10A4D58290
Acquired: 26-APR-10 21:50:31 Processed: 27-APR-10 10:17:33
Run: 26AP10A1D5 Analyte: 8290HRS Cal: 82901231091D5
Sample size: 10.00 g

4/27/10 MC

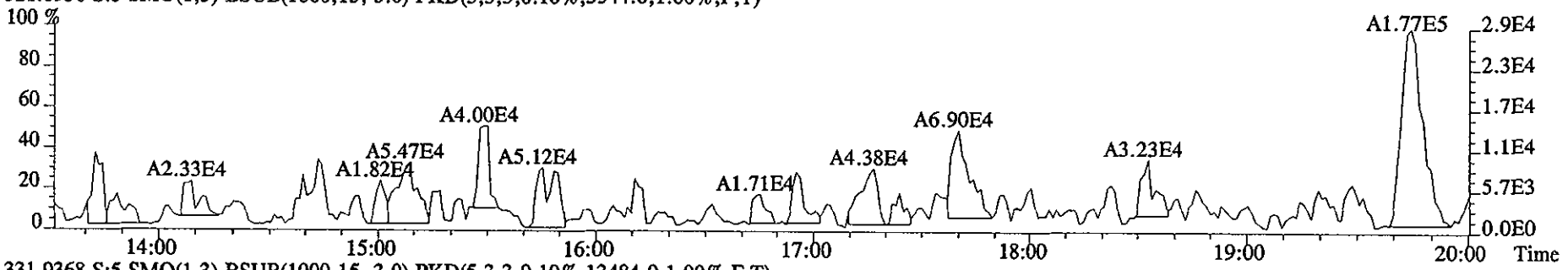
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	141332780	0.82	y	17:27	-	4.5372		-	-	n
13C-2,3,7,8-TCDF	274793400	0.80	y	16:58	1.57	124.1547		0.1685	62.1	n
2,3,7,8-TCDF	360480	0.75	y	16:59	0.86	0.3051	J	0.1014	-	n
Total TCDF	1133009	0.56	n	15:35	0.86	0.9590		0.1014	-	n
13C-2,3,7,8-TCDD	194417880	0.84	y	17:39	0.99	138.4857		0.1830	69.2	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.93	*		0.0919	-	n
Total TCDD	635902	0.32	n	15:08	0.93	0.7005		0.0919	-	n
37Cl-2,3,7,8-TCDD	211018752	1.00	y	17:40	2.22	67.3133		0.0311	84.1	n
13C-1,2,3,7,8-PeCDF	216745360	1.64	y	21:53	1.07	142.9442		0.2766	71.5	n
1,2,3,7,8-PeCDF	335777	1.80	n	21:54	1.00	0.3098	J, Q	0.1751	-	n
2,3,4,7,8-PeCDF	98638	0.70	n	23:13	0.94	0.0970		0.1866	-	n
Total F2 PeCDF	1497470	1.27	n	20:34	0.97	1.4187		0.1807	-	n
Total F1 PeCDF	622613	0.77	n	15:07	0.97	0.5927		0.1532	-	n
13C-1,2,3,7,8-PeCDD	137993460	1.67	y	23:55	0.67	146.5243		0.1416	73.3	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*		0.2697	-	n
Total PeCDD	133020	0.82	n	20:26	0.93	0.2075		0.2697	-	n
13C-1,2,3,7,8,9-HxCDD	95071520	1.27	y	32:01	-	3.4661		-	-	n
13C-1,2,3,4,7,8-HxCDF	120311816	0.50	y	30:06	0.89	141.7409		0.1248	70.9	n
1,2,3,4,7,8-HxCDF	206717	1.35	y	30:07	1.20	0.2866		0.3031	-	n
1,2,3,6,7,8-HxCDF	53463	1.70	n	30:18	1.37	0.0648		0.2650	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.24	*		0.2926	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	1.33	*		0.2741	-	n
Total HxCDF	669763	1.50	n	27:22	1.28	0.8814		0.2829	-	n
13C-1,2,3,6,7,8-HxCDD	124397304	1.28	y	31:38	0.73	178.7303		0.0551	89.4	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.97	*		0.2387	-	n
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	1.06	*		0.2188	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.28	*		0.1816	-	n
Total HxCDD	48270	3.02	n	30:08	1.10	0.0705		0.2103	-	n
13C-1,2,3,4,6,7,8-HpCDF	162355116	0.43	y	33:51	0.86	198.5416		1.5934	99.3	n
1,2,3,4,6,7,8-HpCDF	314906	0.96	y	33:52	1.29	0.3015	J	0.1758	-	n
1,2,3,4,7,8,9-HpCDF	82536	1.04	y	35:04	1.14	0.0896		0.1992	-	n
Total HpCDF	397442	0.96	y	33:52	1.21	0.3911		0.1868	-	n
13C-1,2,3,4,6,7,8-HpCDD	126491848	1.06	y	34:44	0.75	176.8868		0.6023	88.4	n
1,2,3,4,6,7,8-HpCDD	*	*	n	NotFnd	1.00	*		0.2507	-	n
Total HpCDD	303637	0.68	n	33:14	1.00	0.4811		0.2507	-	n
13C-OCDD	158658000	0.91	y	37:21	0.56	295.6685		1.1225	73.9	n
OCDF	176439	1.41	n	37:27	1.44	0.3095		0.3828	-	n
OCDD	110975	1.15	n	37:22	1.11	0.2522		0.3494	-	n



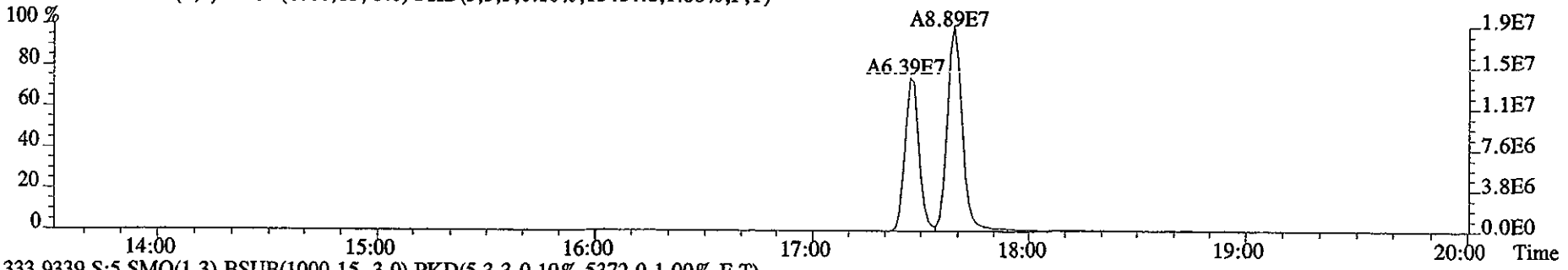
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2528.0,1.00%,F,T)



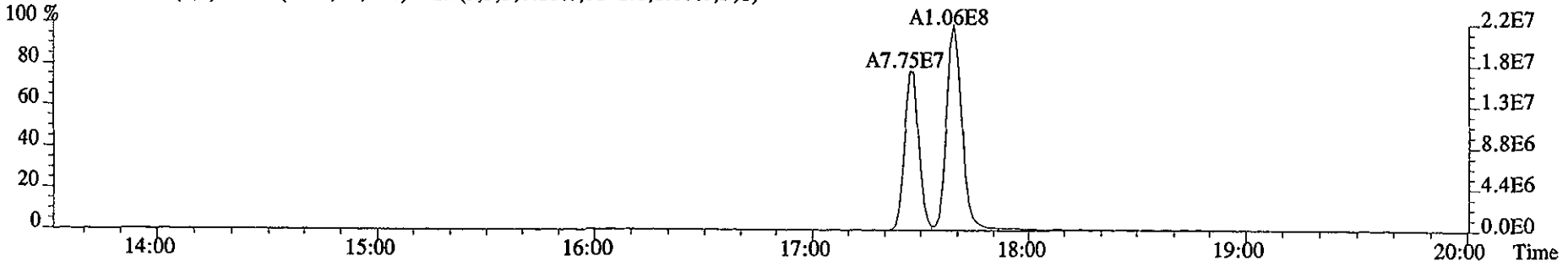
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3344.0,1.00%,F,T)



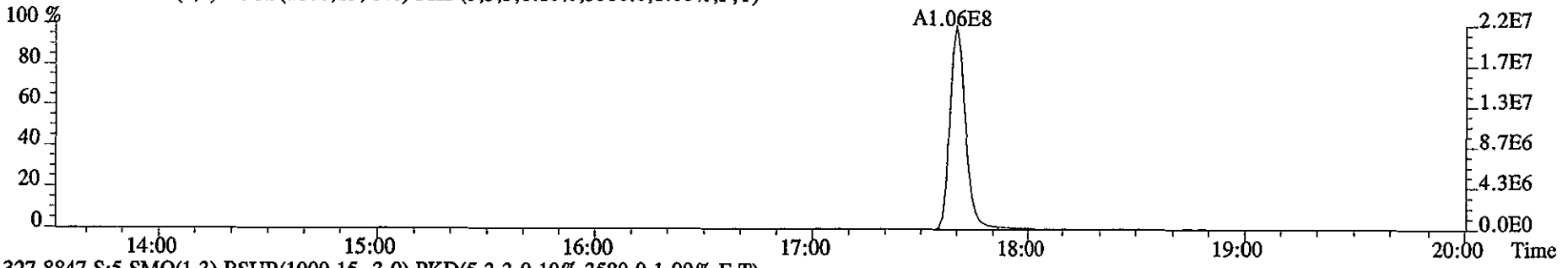
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13484.0,1.00%,F,T)



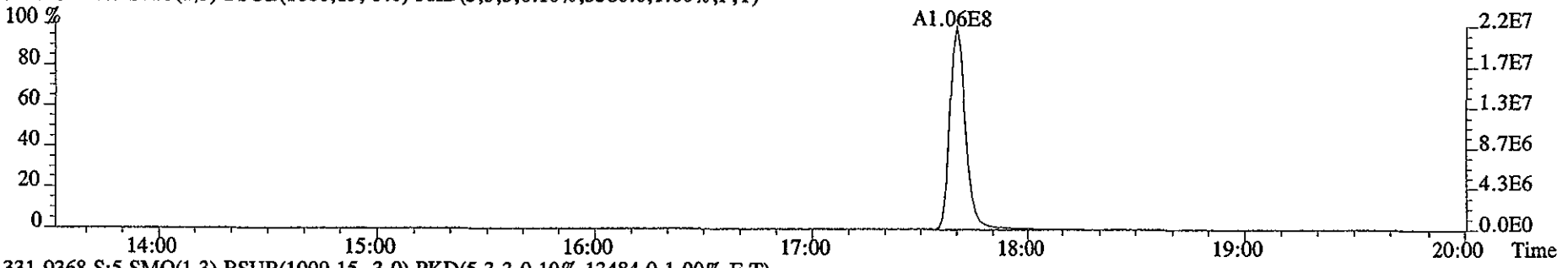
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5372.0,1.00%,F,T)



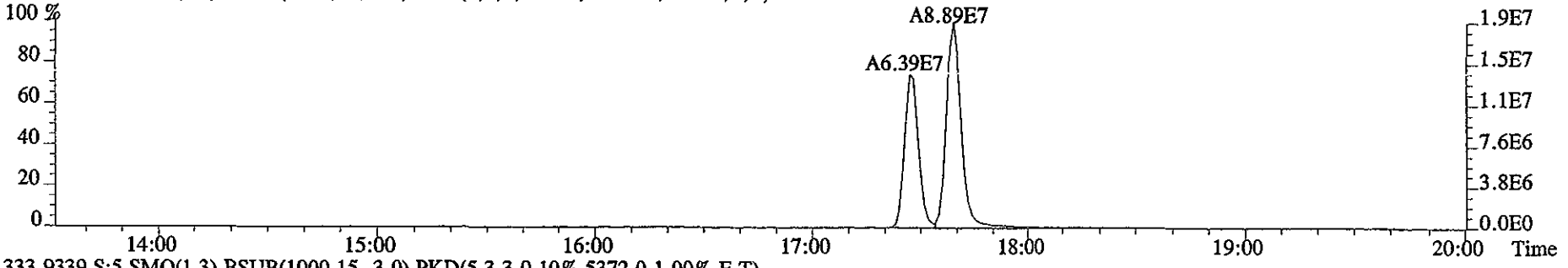
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3580.0,1.00%,F,T)



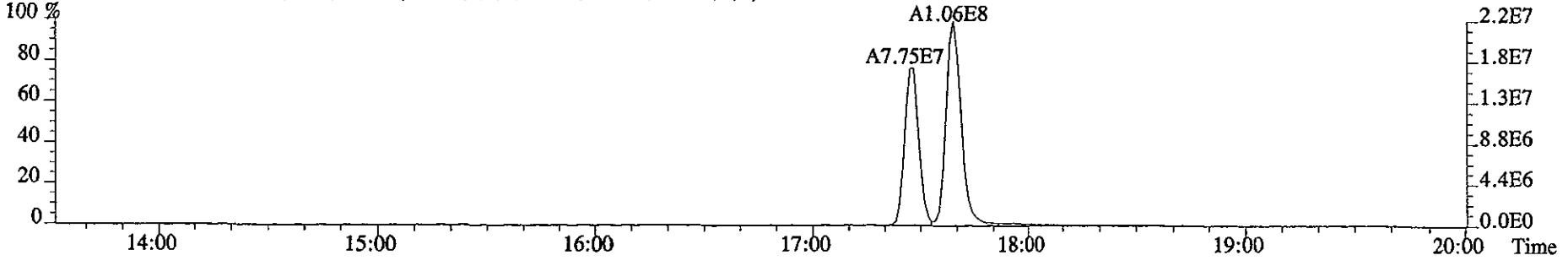
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3580.0,1.00%,F,T)



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13484.0,1.00%,F,T)

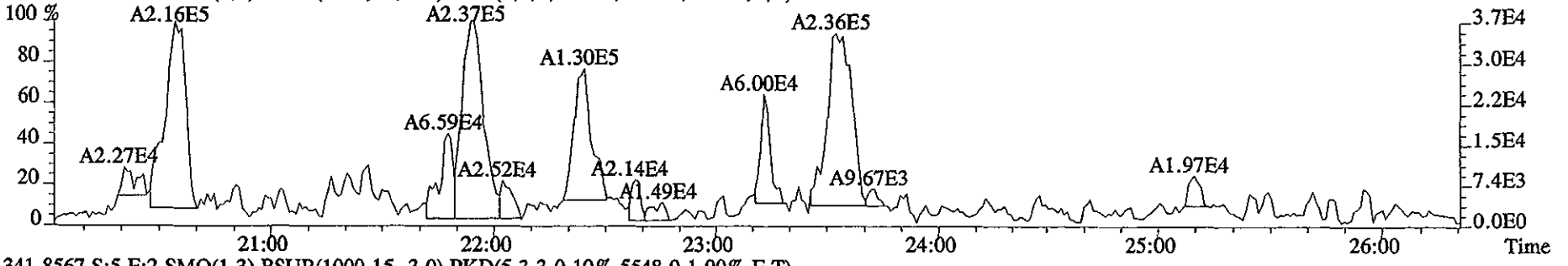


333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5372.0,1.00%,F,T)

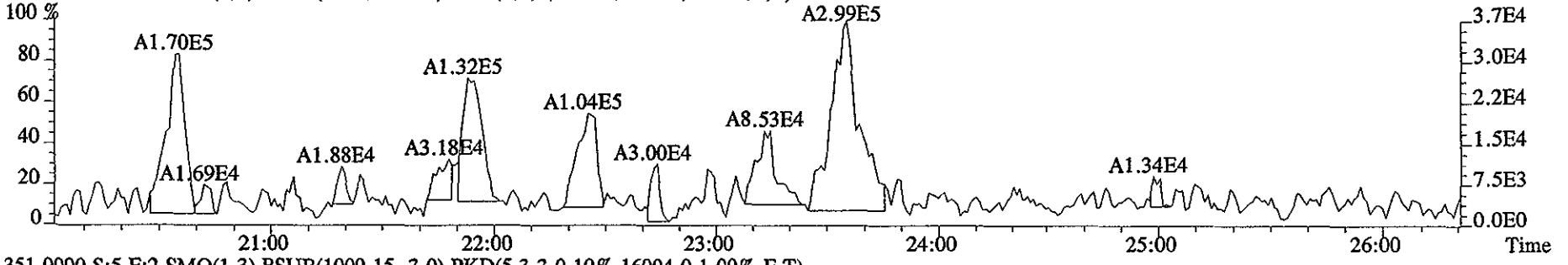


File:26AP10A1D5 #1-445 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN

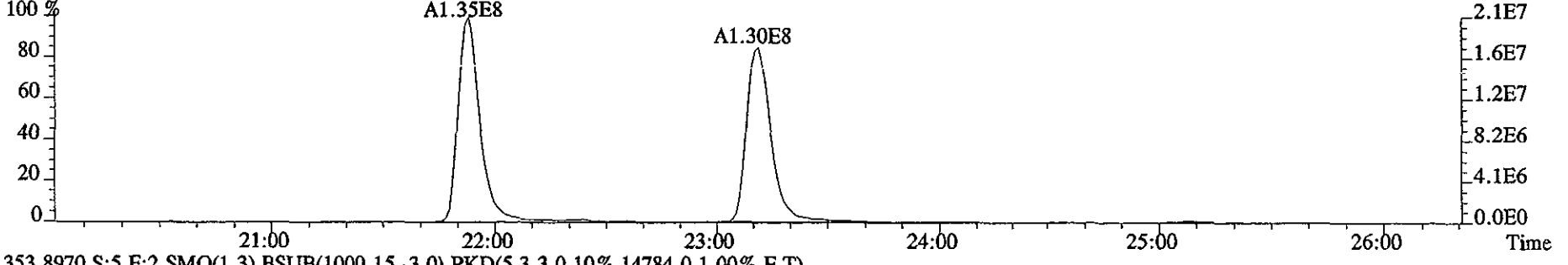
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4132.0,1.00%,F,T)



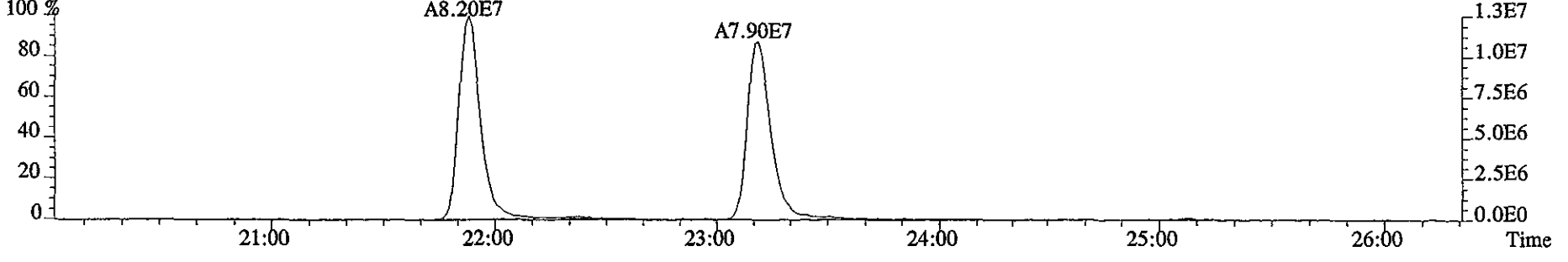
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



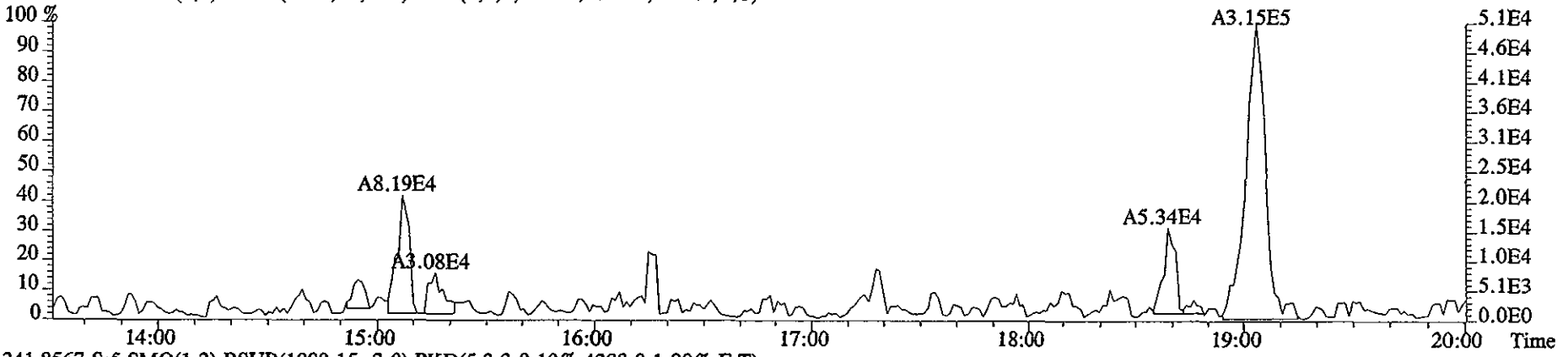
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16004.0,1.00%,F,T)



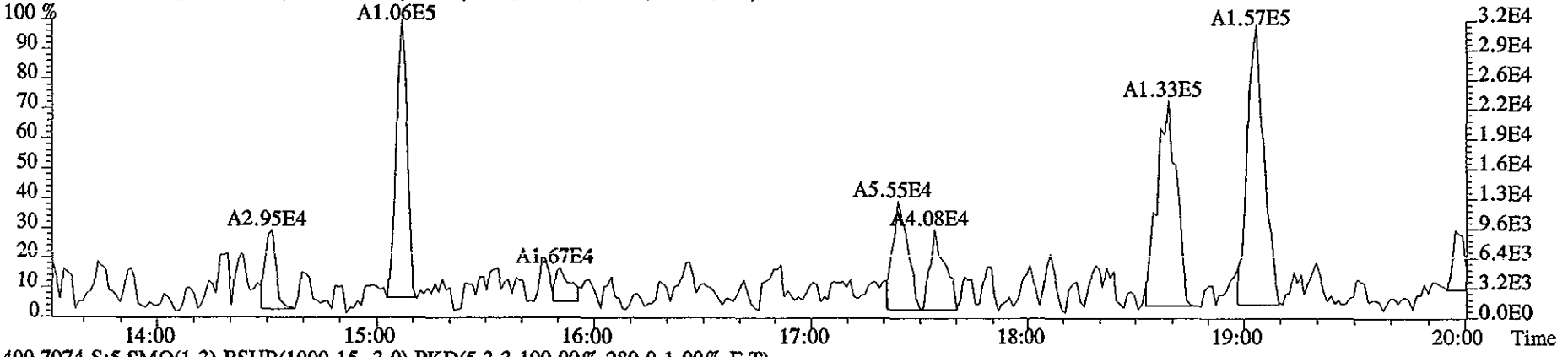
353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14784.0,1.00%,F,T)



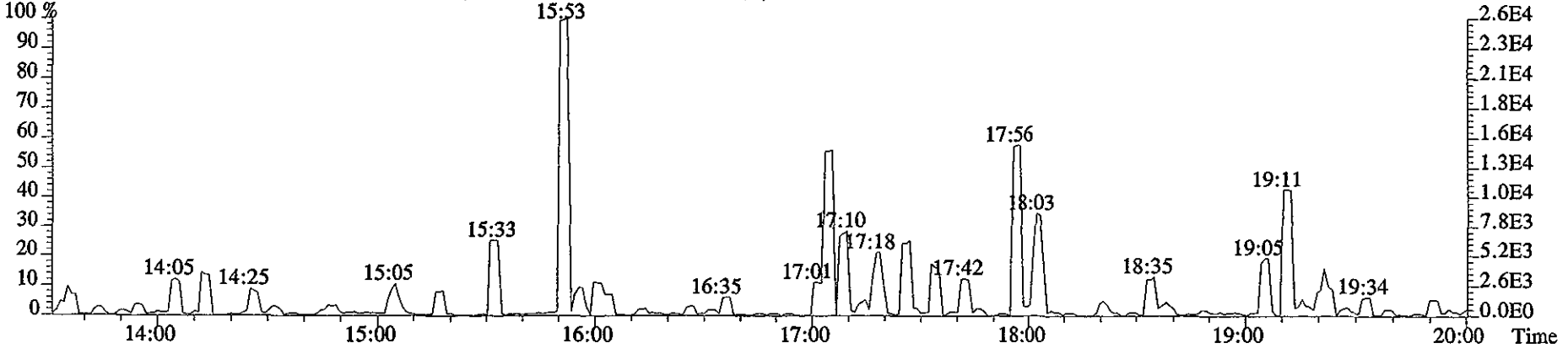
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
339.8597 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3820.0,1.00%,F,T)



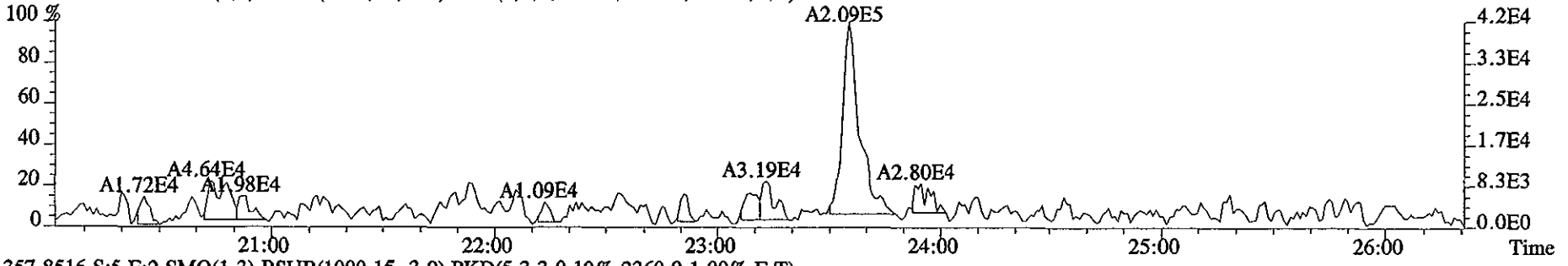
341.8567 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4388.0,1.00%,F,T)



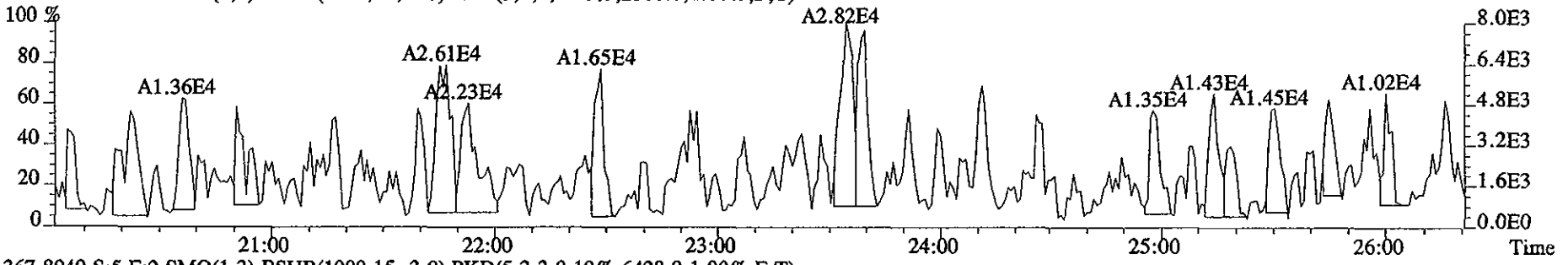
409.7974 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,280.0,1.00%,F,T)



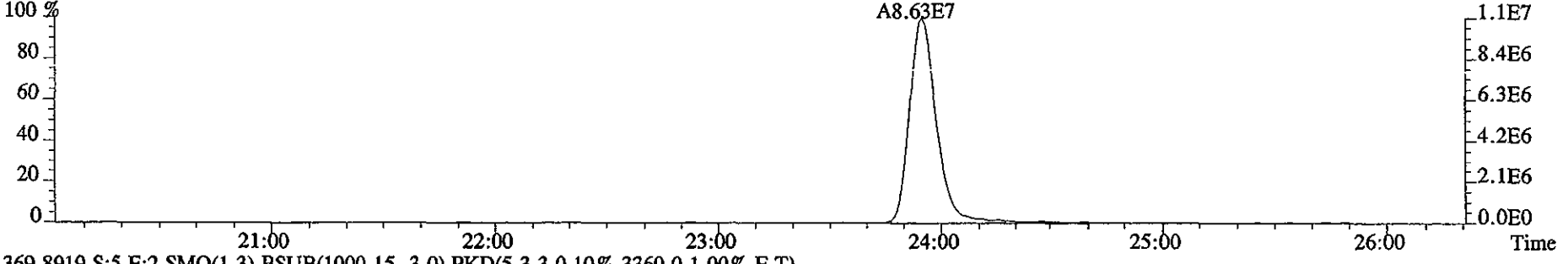
File:26AP10A1D5 #1-445 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4556.0,1.00%,F,T)



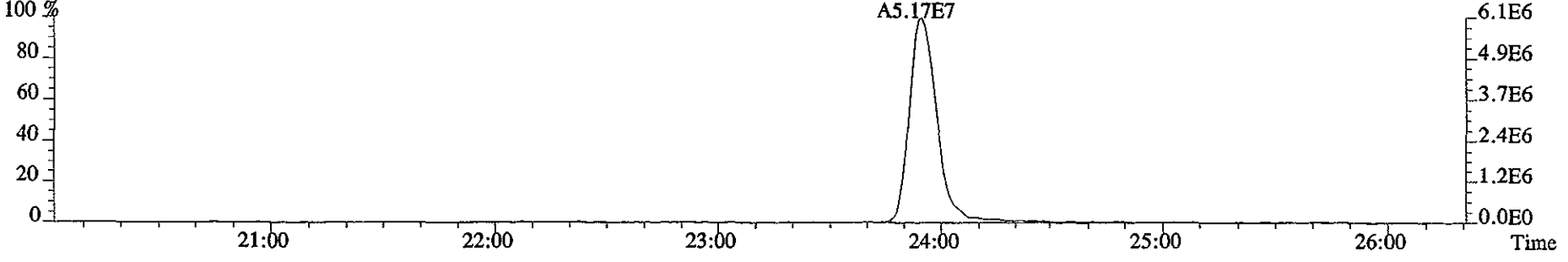
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



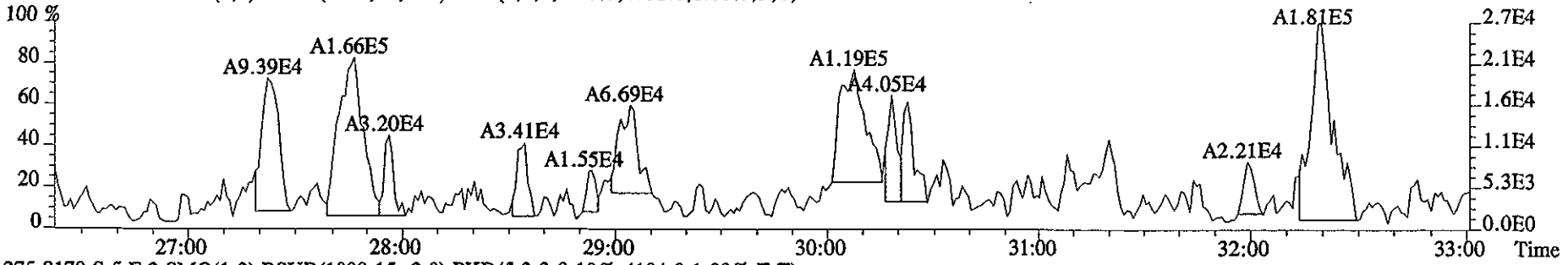
367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6428.0,1.00%,F,T)



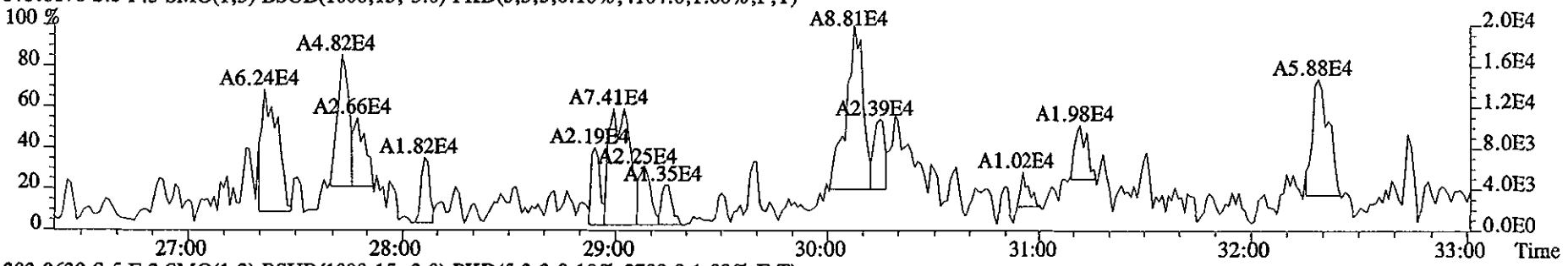
369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3360.0,1.00%,F,T)



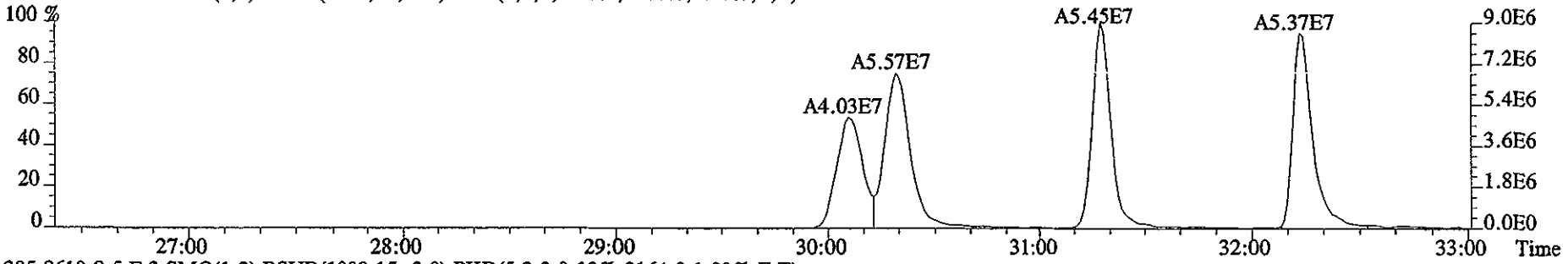
File:26AP10A1D5 #1-447 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4732.0,1.00%,F,T)



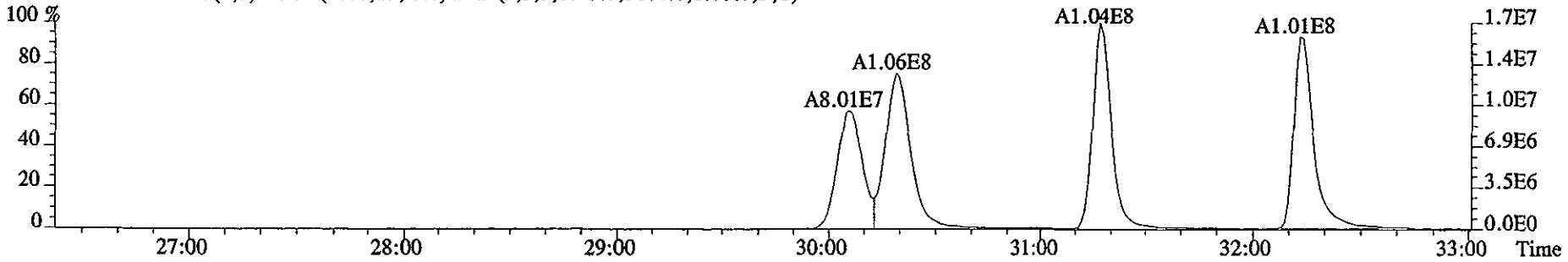
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4104.0,1.00%,F,T)



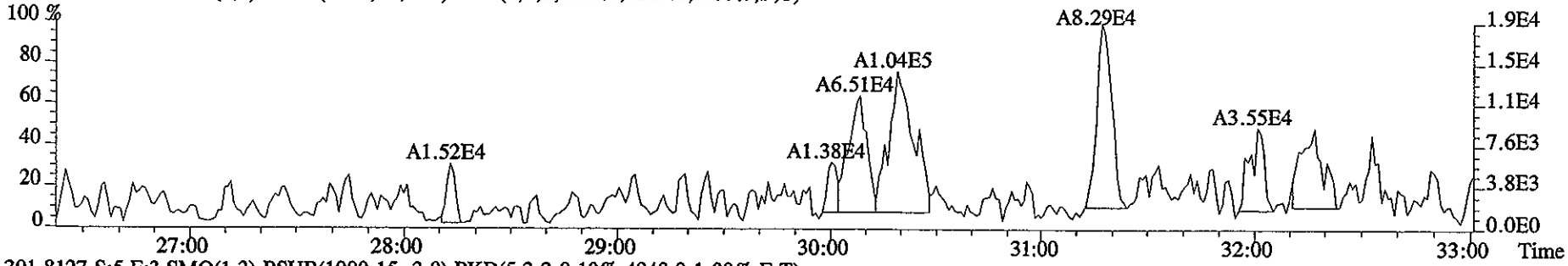
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2700.0,1.00%,F,T)



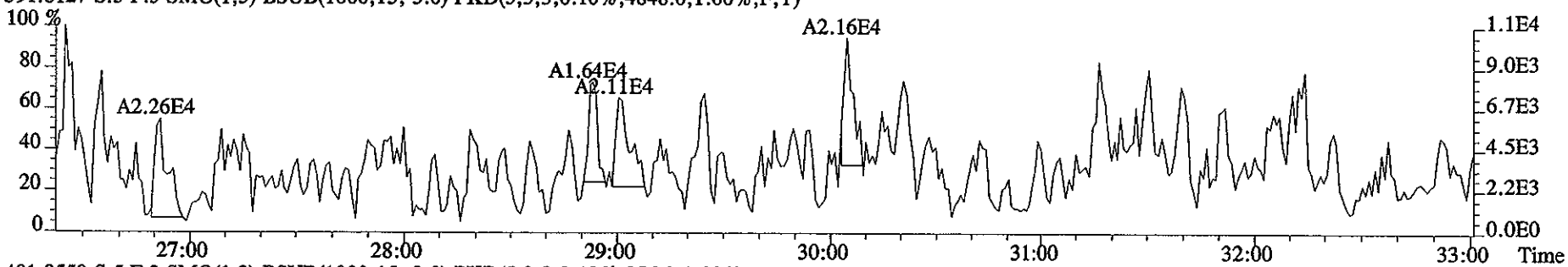
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3164.0,1.00%,F,T)



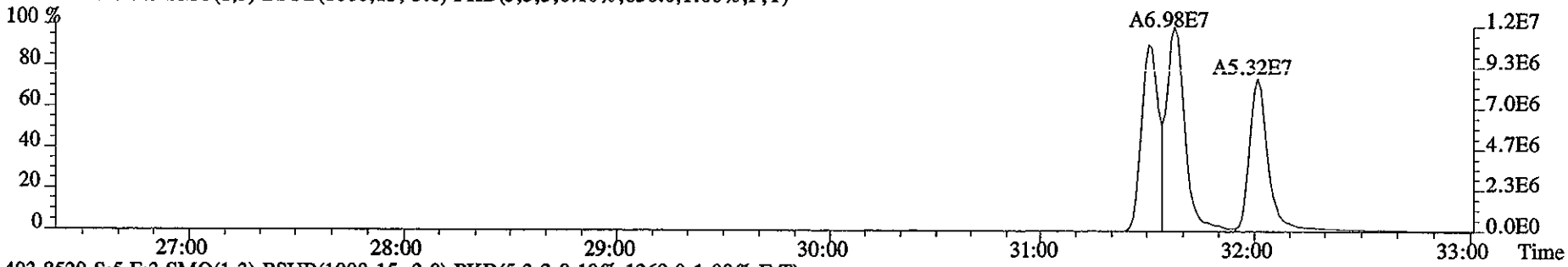
File:26AP10A1D5 #1-447 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3280.0,1.00%,F,T)



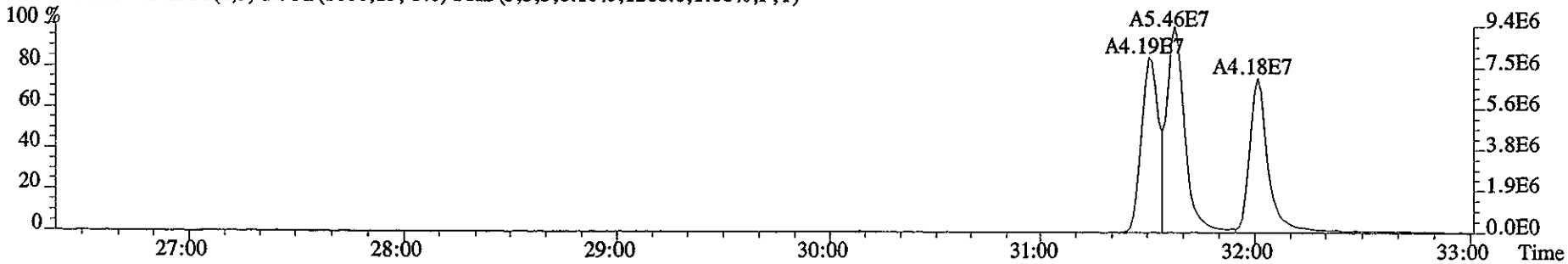
391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4848.0,1.00%,F,T)



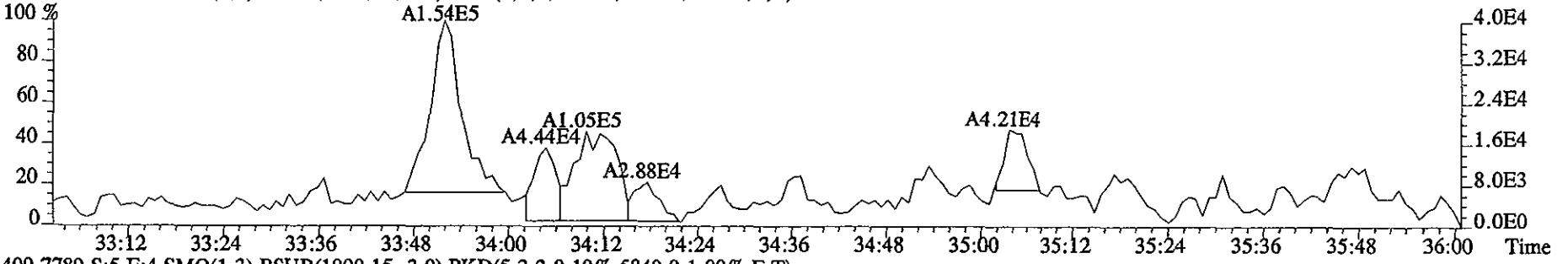
401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)



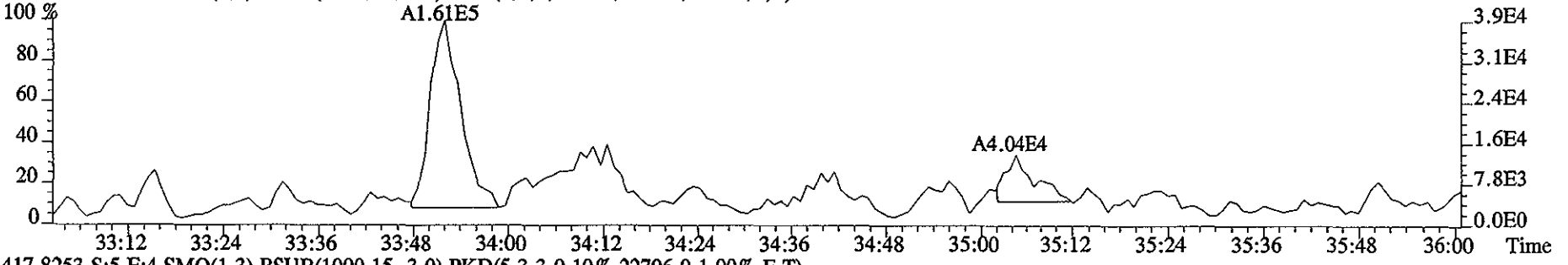
403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1268.0,1.00%,F,T)



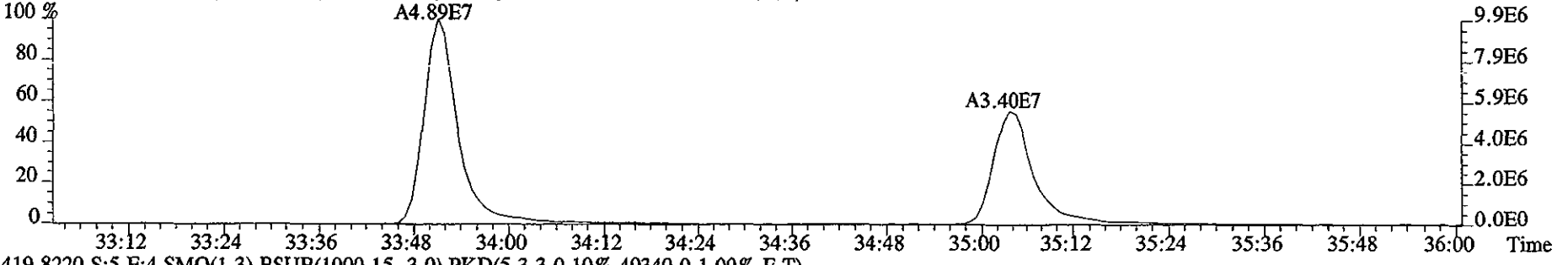
File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6544.0,1.00%,F,T)



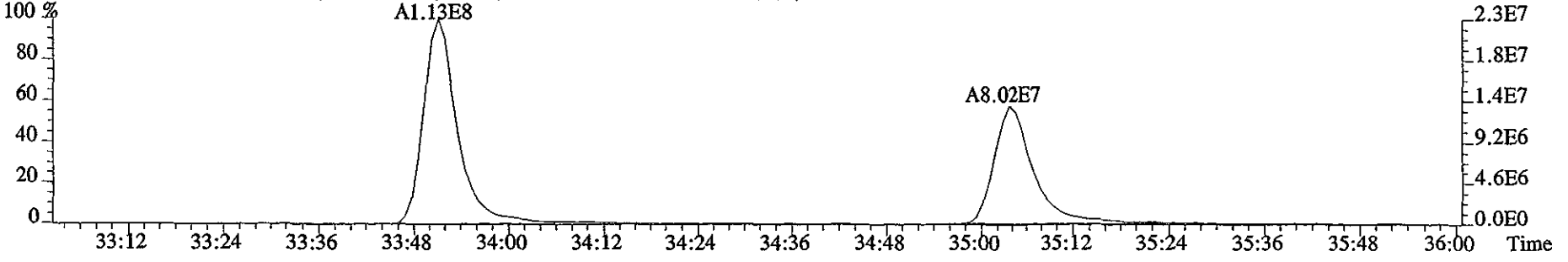
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5840.0,1.00%,F,T)



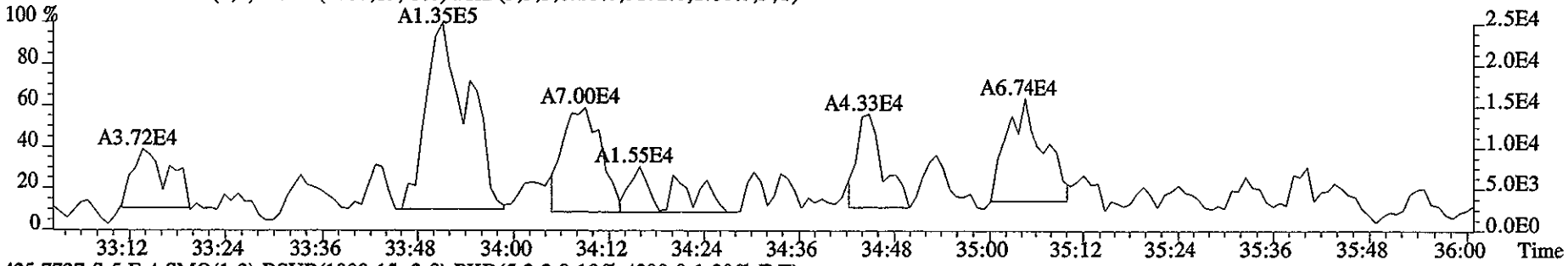
417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22796.0,1.00%,F,T)



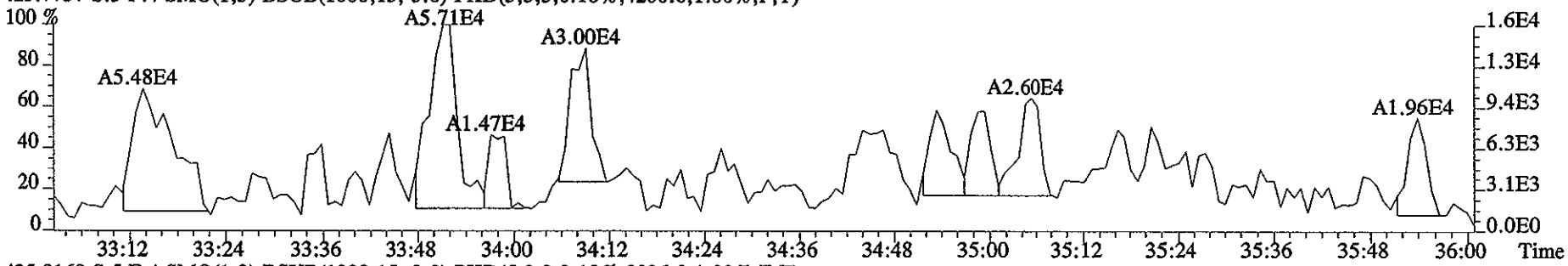
419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49340.0,1.00%,F,T)



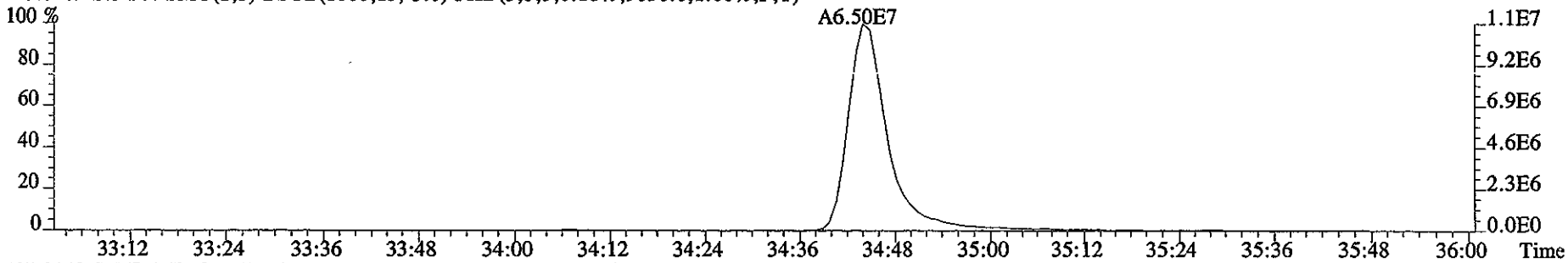
File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5172.0,1.00%,F,T)



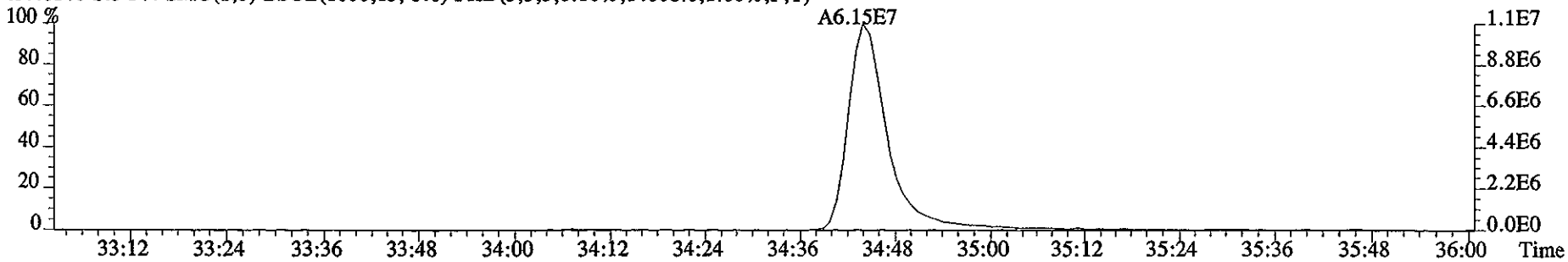
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T)



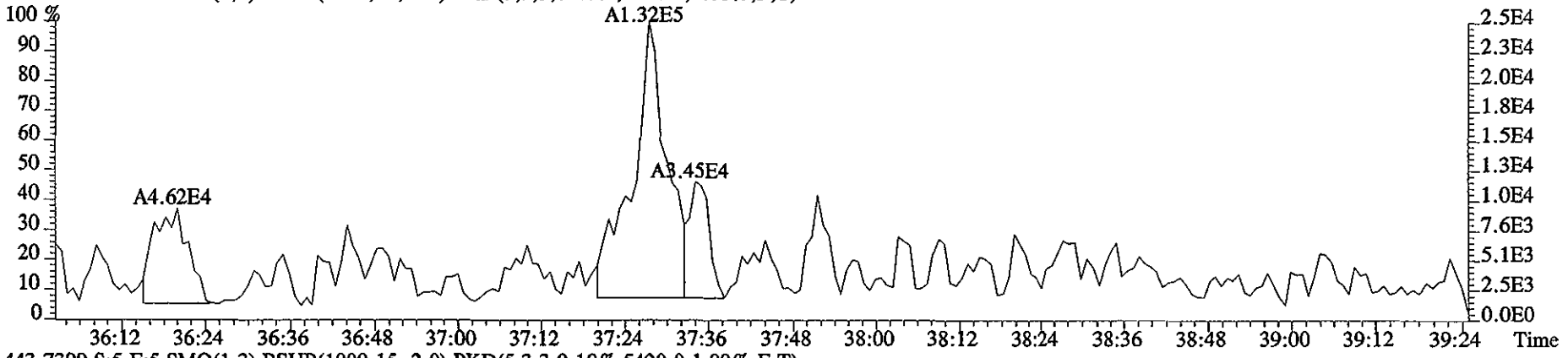
435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9836.0,1.00%,F,T)



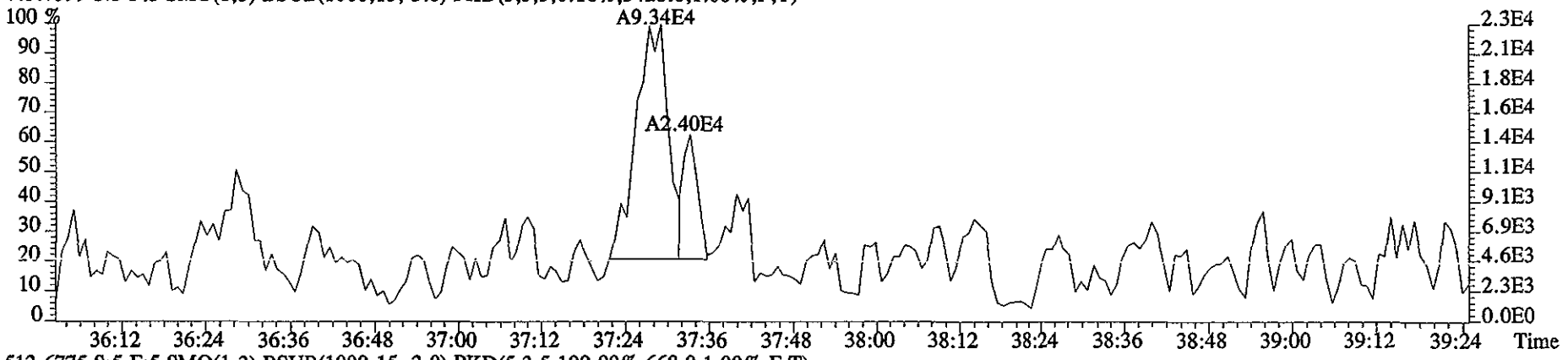
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14008.0,1.00%,F,T)



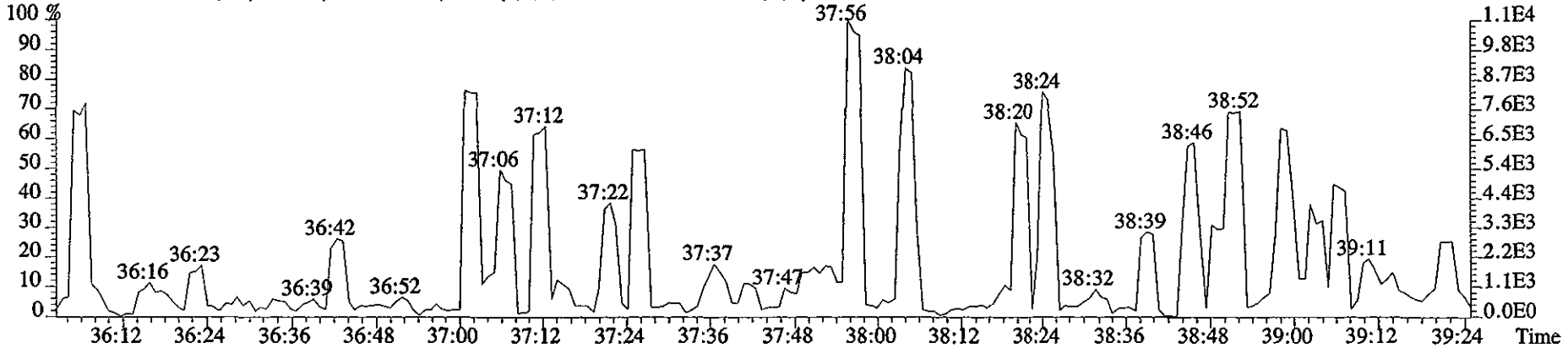
File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4480.0,1.00%,F,T)



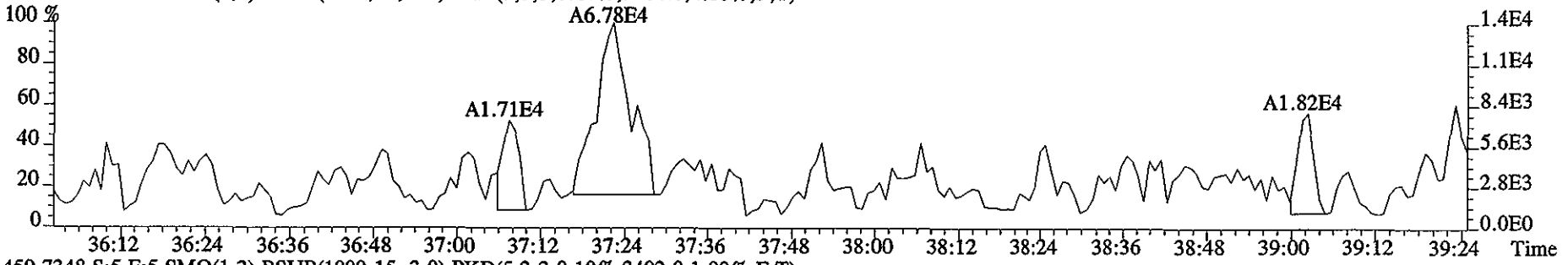
443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5420.0,1.00%,F,T)



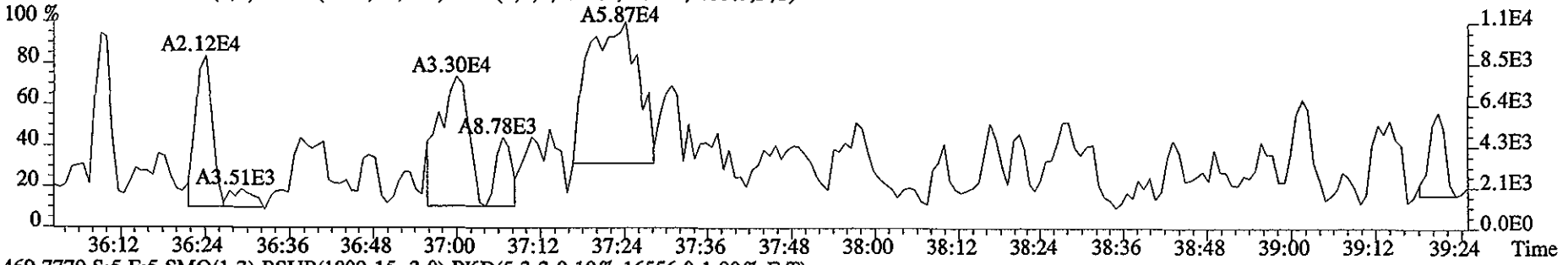
513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,668.0,1.00%,F,T)



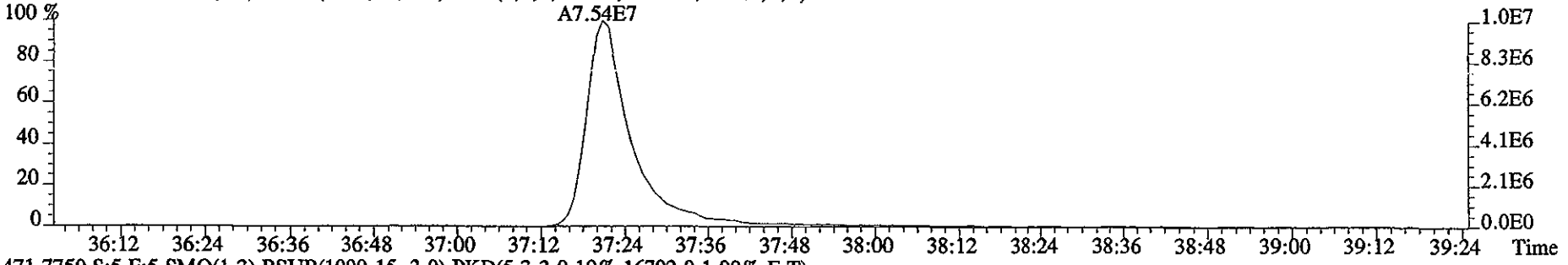
File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484.0,1.00%,F,T)



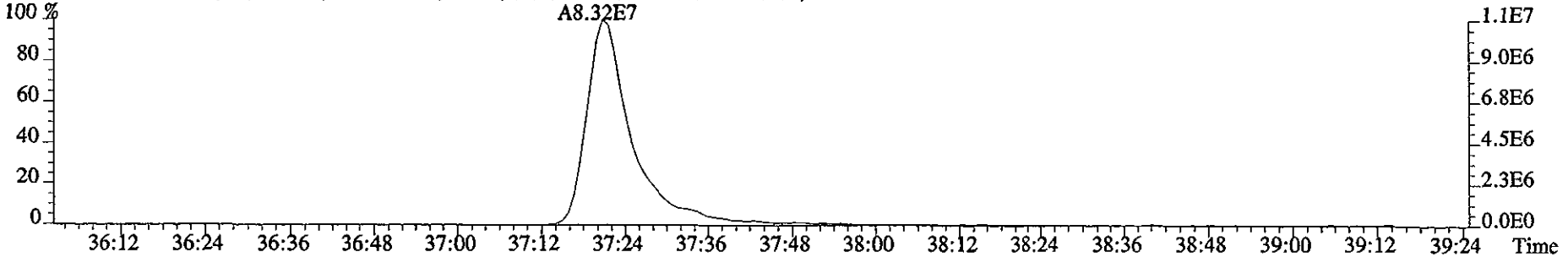
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3492.0,1.00%,F,T)



469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16556.0,1.00%,F,T)

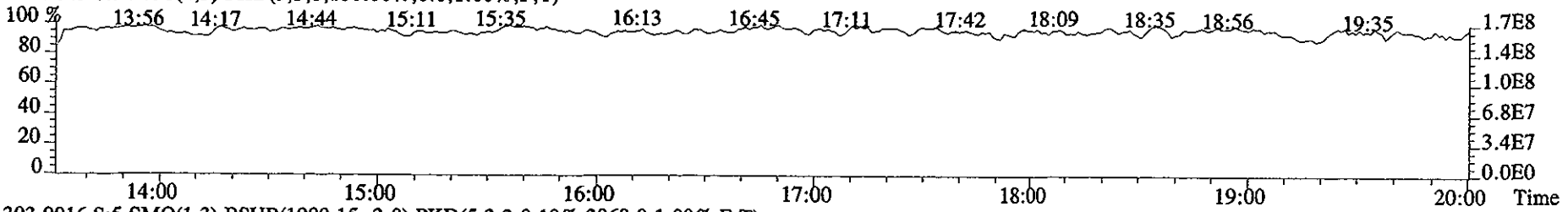


471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16792.0,1.00%,F,T)

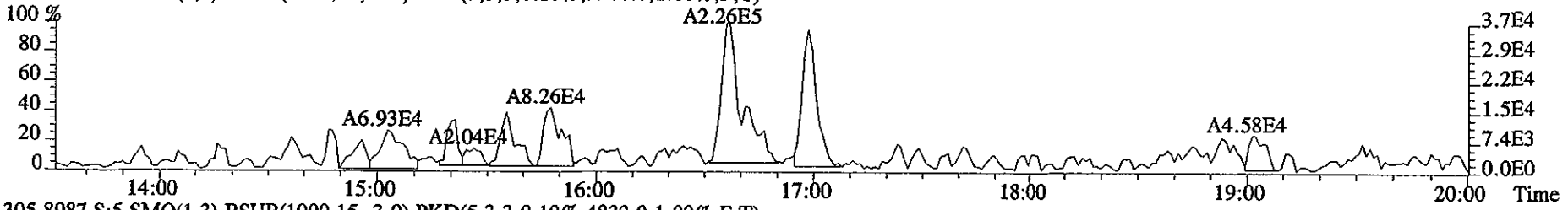


File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN

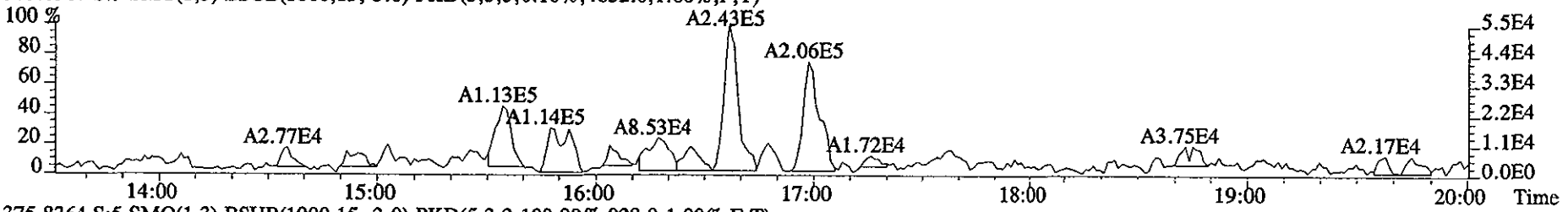
292.9825 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



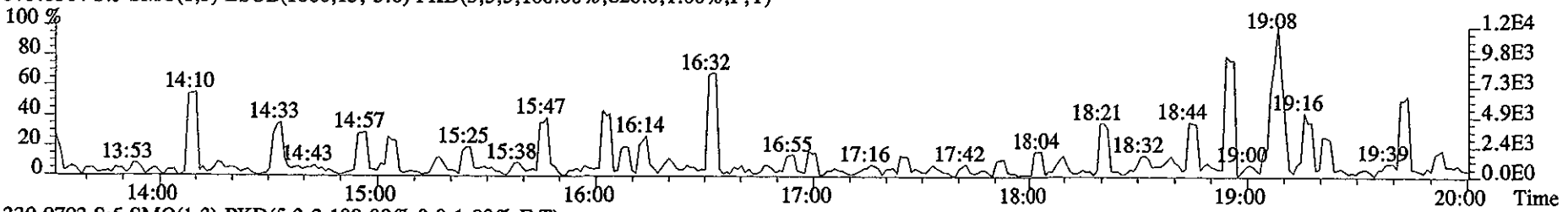
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)



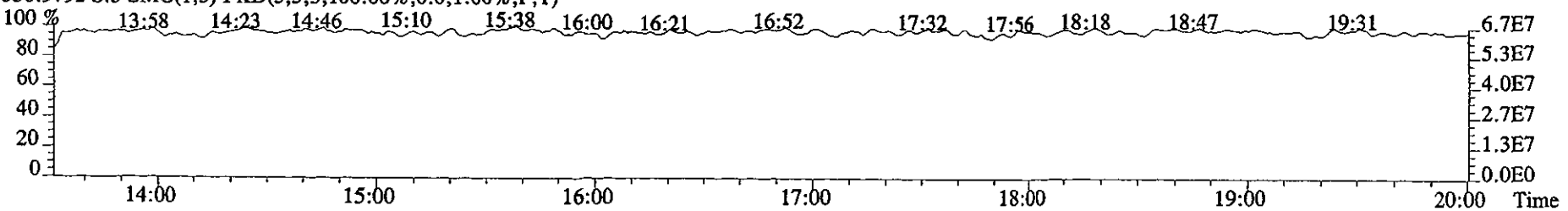
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



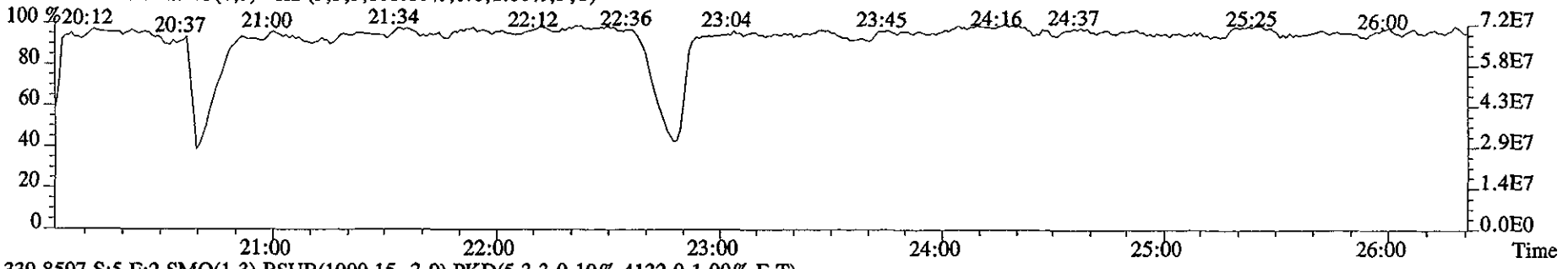
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,828.0,1.00%,F,T)



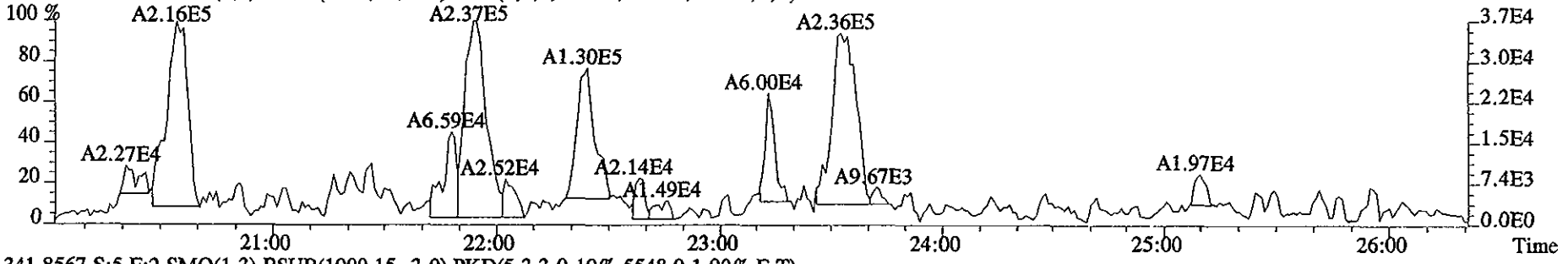
330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



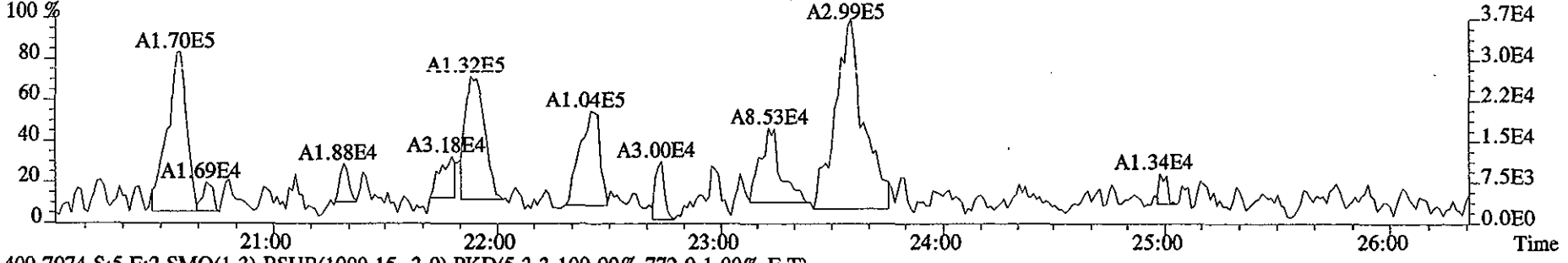
File:26AP10A1D5 #1-445 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



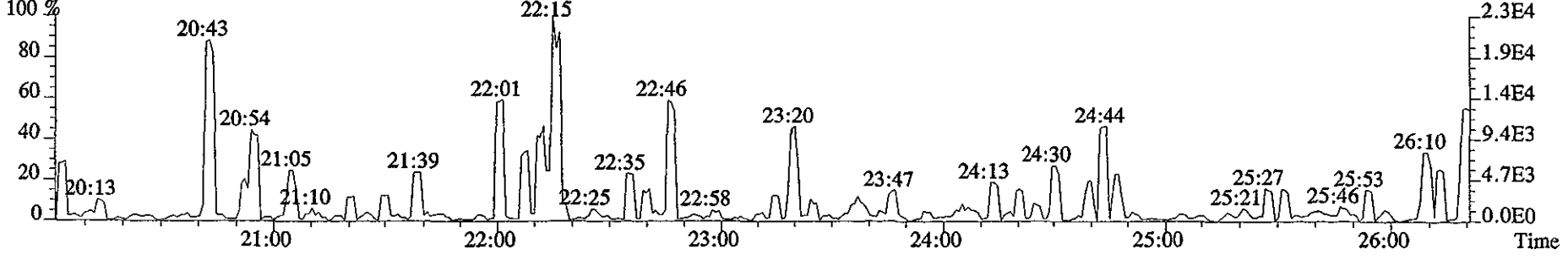
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4132.0,1.00%,F,T)



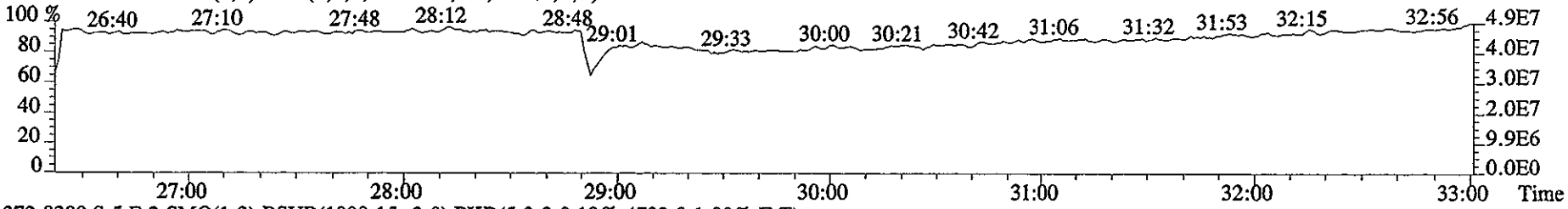
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



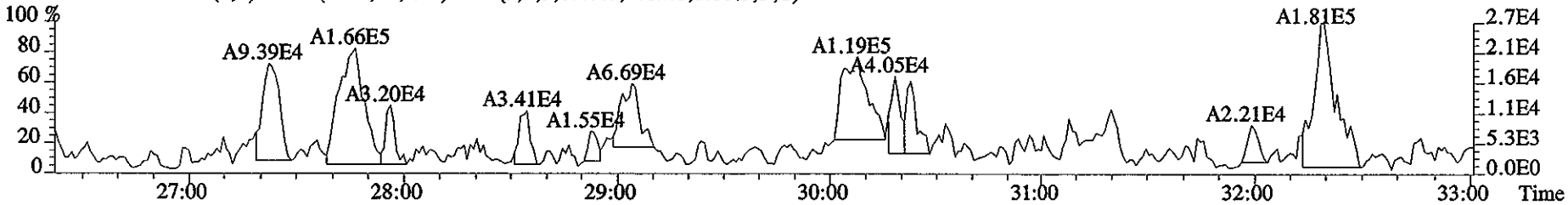
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,772.0,1.00%,F,T)



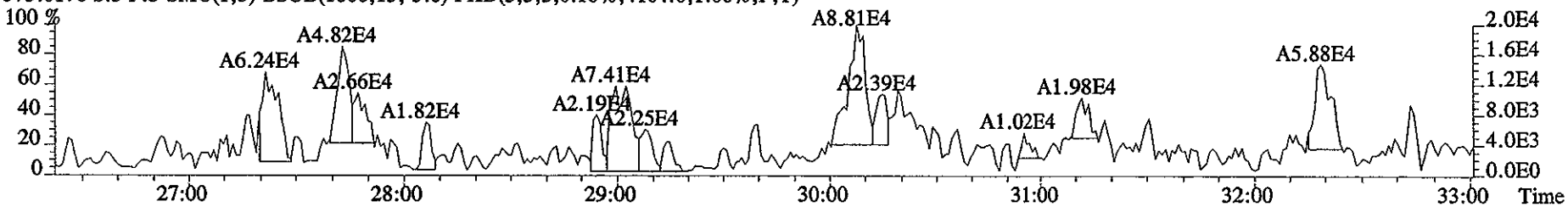
File:26AP10A1D5 #1-447 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



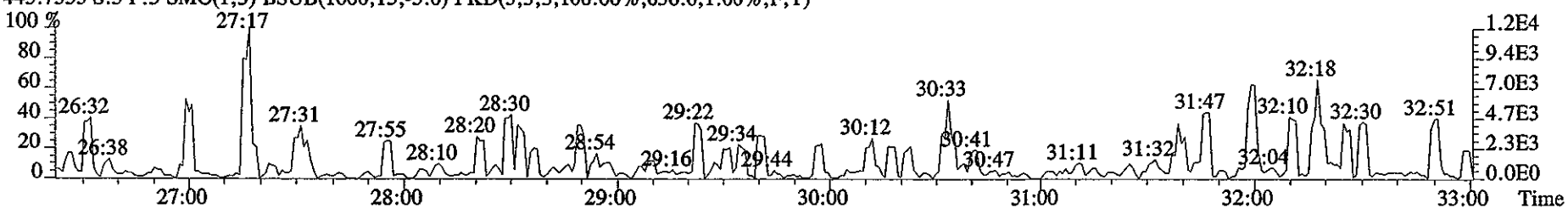
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4732.0,1.00%,F,T)



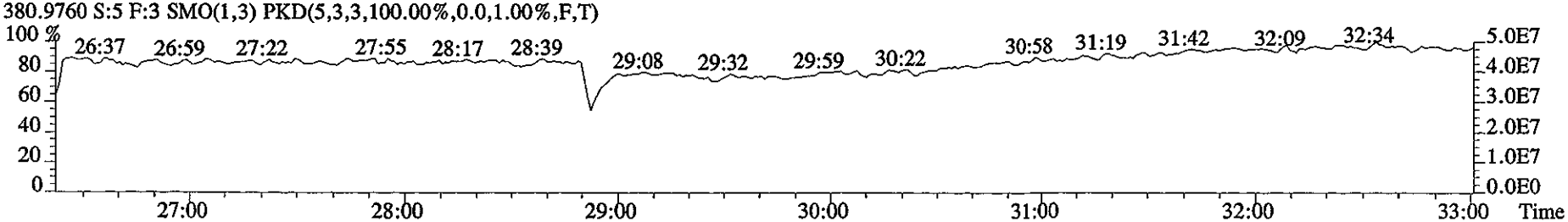
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4104.0,1.00%,F,T)



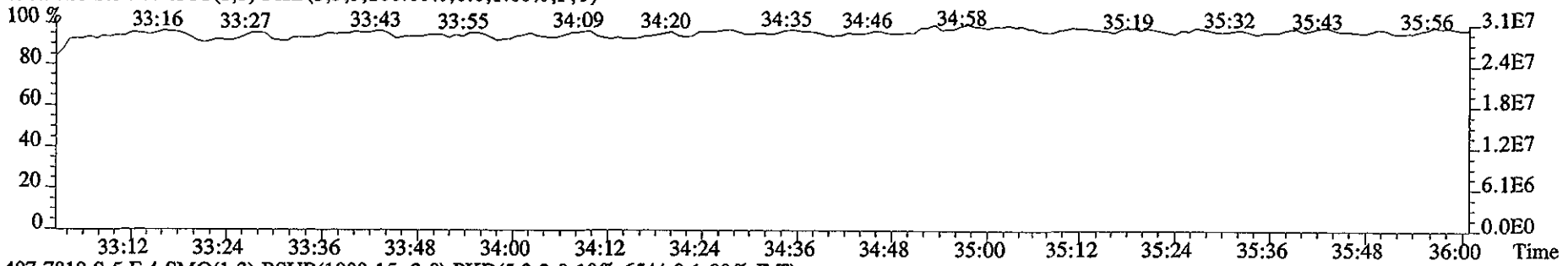
445.7555 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,636.0,1.00%,F,T)



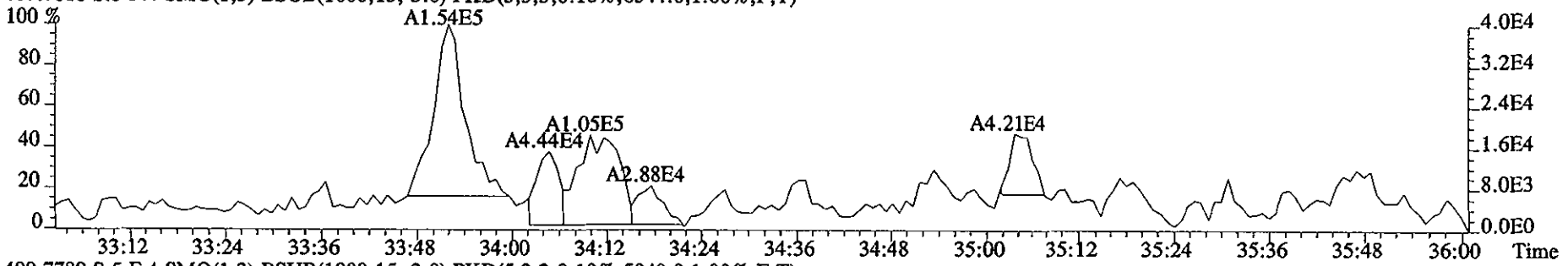
380.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



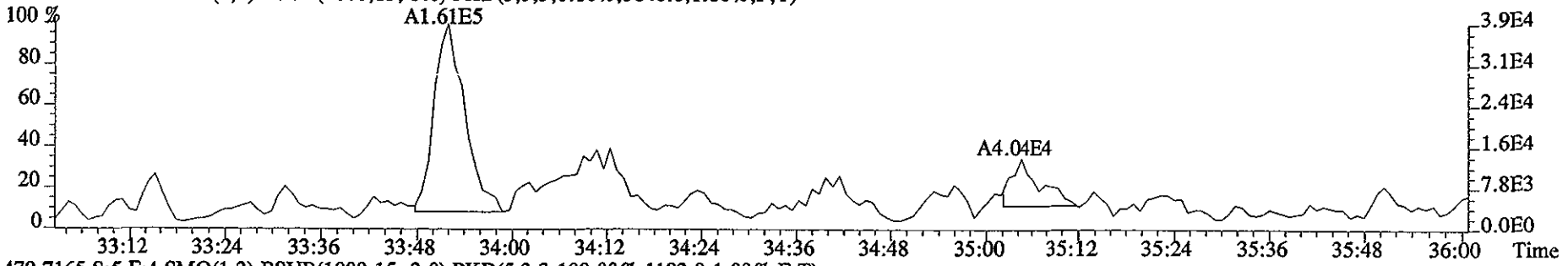
File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



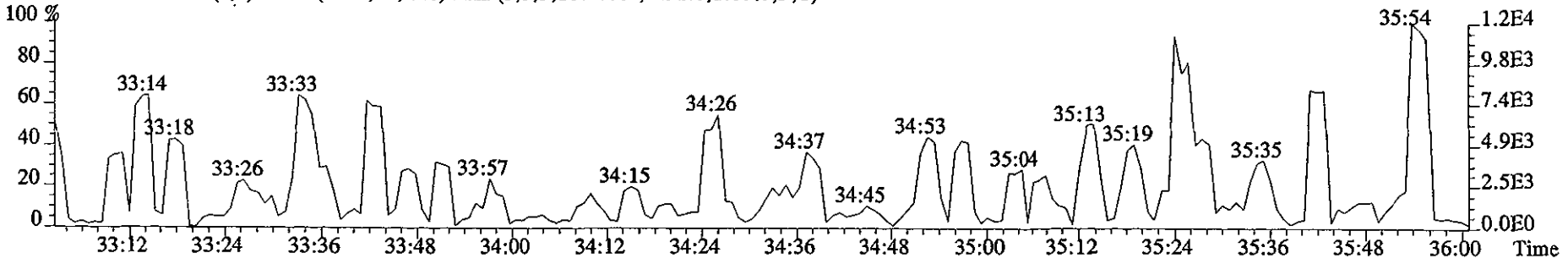
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6544.0,1.00%,F,T)



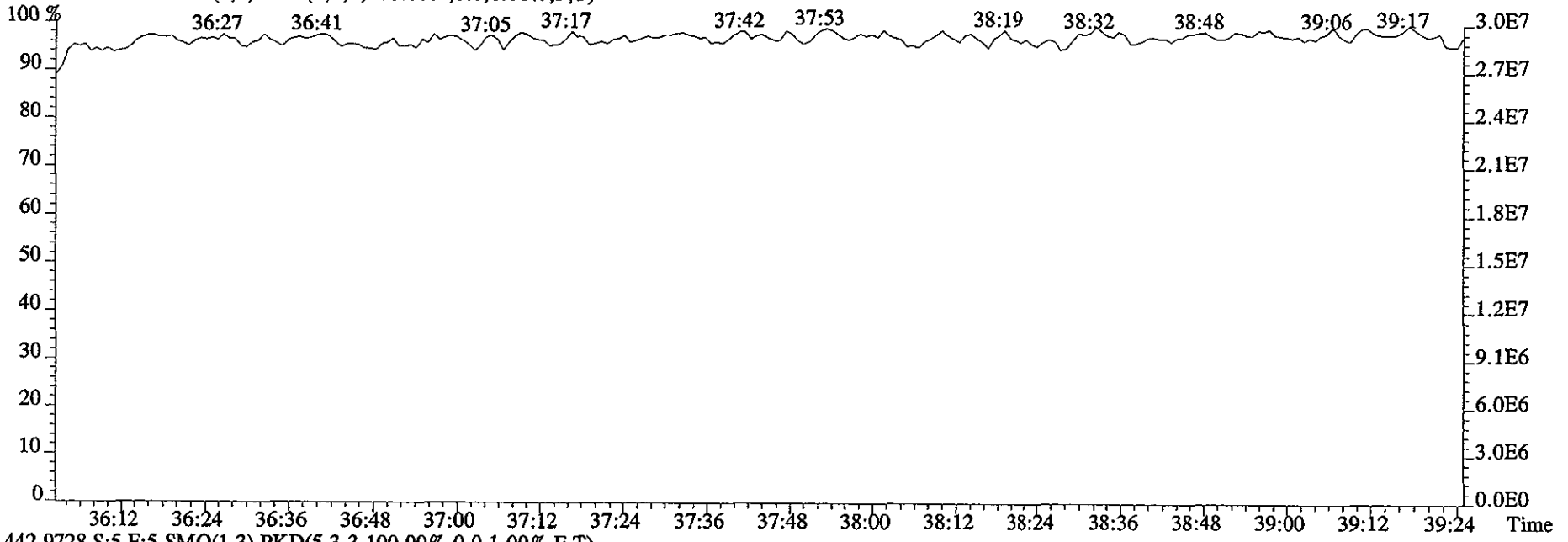
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5840.0,1.00%,F,T)



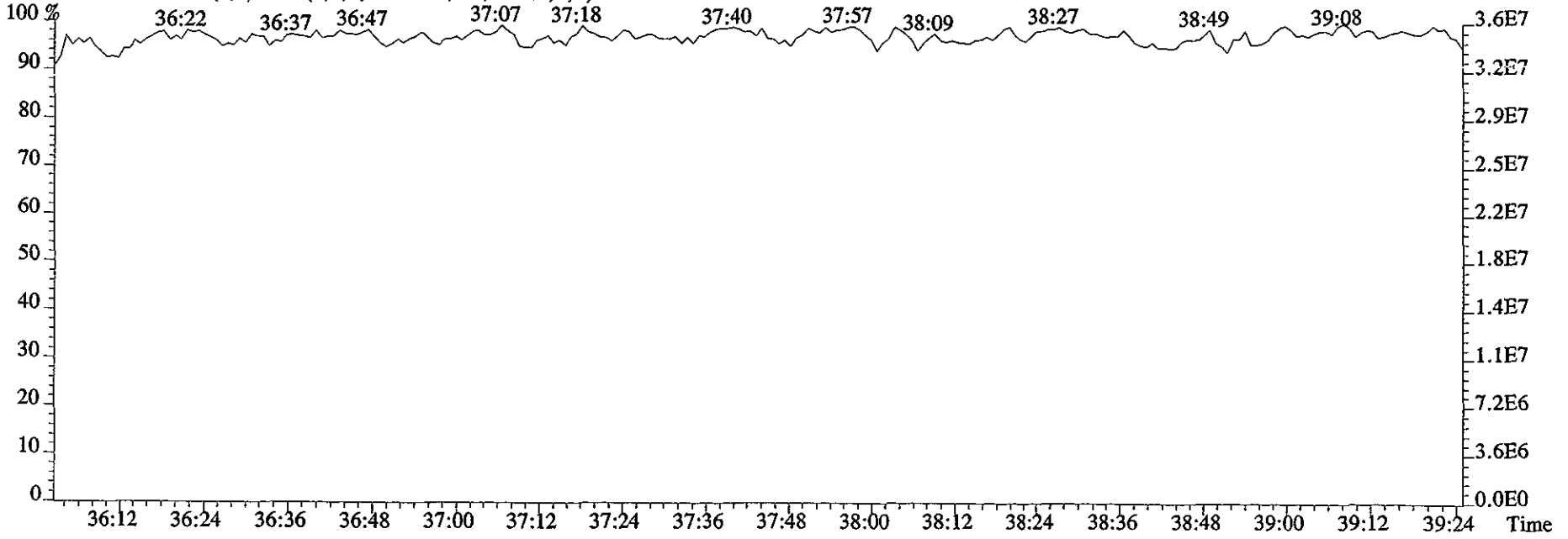
479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1192.0,1.00%,F,T)



File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

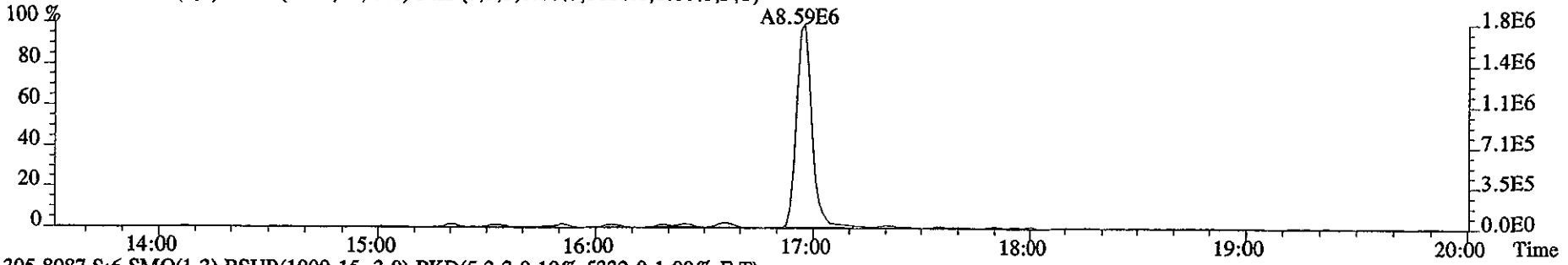


Run text: LX85A-1-AC Sample text: LX85A-1-AC :G0D200000-455C
Run #8 Filename: 26AP10A1D5 S: 6 I: 1 Results: 26AP10A4D58290
Acquired: 26-APR-10 22:32:23 Processed: 27-APR-10 10:17:34
Run: 26AP10A1D5 Analyte: 8290HRS Cal: 82901231091D5
Sample size: 10.00 g

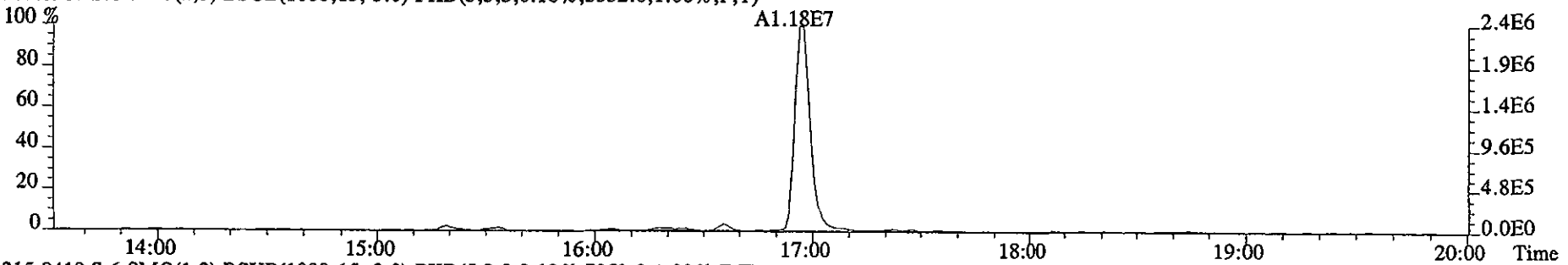
4/26t
4/27/10
MKS

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	113727912	0.80	y	17:26	-	3.6510	-	-	n
13C-2,3,7,8-TCDF	228092240	0.79	y	16:57	1.57	128.0688	0.1297	64.0	n
2,3,7,8-TCDF	20403312	0.73	y	16:58	0.86	20.8059	0.1568	-	n
Total TCDF	22313952	0.47	n	15:20	0.86	22.7543	0.1568	-	n
13C-2,3,7,8-TCDD	167420968	0.82	y	17:38	0.99	148.2021	0.3203	74.1	n
2,3,7,8-TCDD	14961603	0.77	y	17:39	0.93	19.1404	0.1564	-	n
Total TCDD	15532736	0.72	y	15:27	0.93	19.8711	0.1564	-	n
37Cl-2,3,7,8-TCDD	185073520	1.00	y	17:39	2.22	73.3668	0.0247	91.7	n
13C-1,2,3,7,8-PeCDF	169117460	1.62	y	21:51	1.07	138.6057	0.2771	69.3	n
1,2,3,7,8-PeCDF	82211880	1.57	y	21:53	1.00	97.2168	0.5227	-	n
2,3,4,7,8-PeCDF	83692912	1.60	y	23:11	0.94	105.4517	0.5570	-	n
Total F2 PeCDF	167662143	2.60	n	20:34	0.97	204.8125	0.5393	-	n
Total F1 PeCDF	472788	0.56	n	14:03	0.97	0.5768	0.1364	-	n
13C-1,2,3,7,8-PeCDD	118440852	1.66	y	23:53	0.67	156.2891	0.1883	78.1	n
1,2,3,7,8-PeCDD	56487740	1.61	y	23:55	0.93	102.6577	0.4505	-	n
Total PeCDD	56487740	1.61	y	23:55	0.93	102.6577	0.4505	-	n
13C-1,2,3,7,8,9-HxCDD	87871240	1.31	y	32:00	-	3.2036	-	-	n
13C-1,2,3,4,7,8-HxCDF	114280440	0.52	y	30:05	0.89	145.6674	0.0694	72.8	n
1,2,3,4,7,8-HxCDF	73975508	1.23	y	30:07	1.20	107.9698	0.1870	-	n
1,2,3,6,7,8-HxCDF	83682160	1.25	y	30:20	1.37	106.8034	0.1635	-	n
2,3,4,6,7,8-HxCDF	87898036	1.25	y	31:18	1.24	123.8508	0.1805	-	n
1,2,3,7,8,9-HxCDF	84213028	1.28	y	32:14	1.33	111.1370	0.1691	-	n
Total HxCDF	330523567	1.15	y	27:45	1.28	450.7894	0.1746	-	n
13C-1,2,3,6,7,8-HxCDD	117017432	1.23	y	31:38	0.73	181.9037	0.0975	91.0	n
1,2,3,4,7,8-HxCDD	54177792	1.28	y	31:31	0.97	95.4647	0.2296	-	n
1,2,3,6,7,8-HxCDD	64931552	1.27	y	31:39	1.06	104.8585	0.2104	-	n
1,2,3,7,8,9-HxCDD	71399132	1.30	y	32:02	1.28	95.6915	0.1746	-	n
Total HxCDD	190508476	1.28	y	31:31	1.10	296.0147	0.2022	-	n
13C-1,2,3,4,6,7,8-HpCDF	168631432	0.45	y	33:51	0.86	223.1145	1.5214	111.6	n
1,2,3,4,6,7,8-HpCDF	110785476	1.04	y	33:52	1.29	102.1241	0.5473	-	n
1,2,3,4,7,8,9-HpCDF	77962128	1.04	y	35:04	1.14	81.4399	0.6202	-	n
Total HpCDF	188747604	1.04	y	33:52	1.21	183.5641	0.5815	-	n
13C-1,2,3,4,6,7,8-HpCDD	138417720	1.06	y	34:44	0.75	209.4248	0.4720	104.7	n
1,2,3,4,6,7,8-HpCDD	70734516	1.04	y	34:45	1.00	102.4273	0.2735	-	n
Total HpCDD	71156135	2.09	n	33:51	1.00	103.0378	0.2735	-	n
13C-OCDD	179208664	0.89	y	37:21	0.56	361.3314	0.6833	90.3	n
OCDF	127549868	0.90	y	37:27	1.44	198.0724	0.3127	-	n
OCDD	107094896	0.89	y	37:22	1.11	215.4409	0.6422	-	n

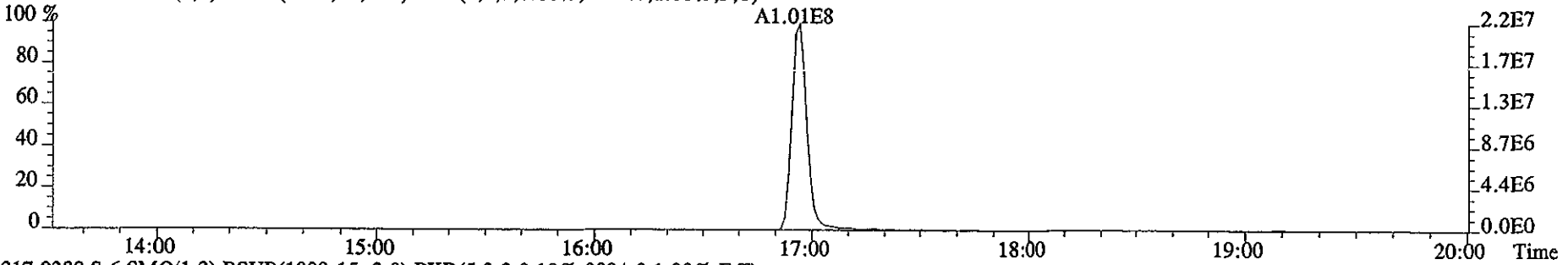
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5668.0,1.00%,F,T)



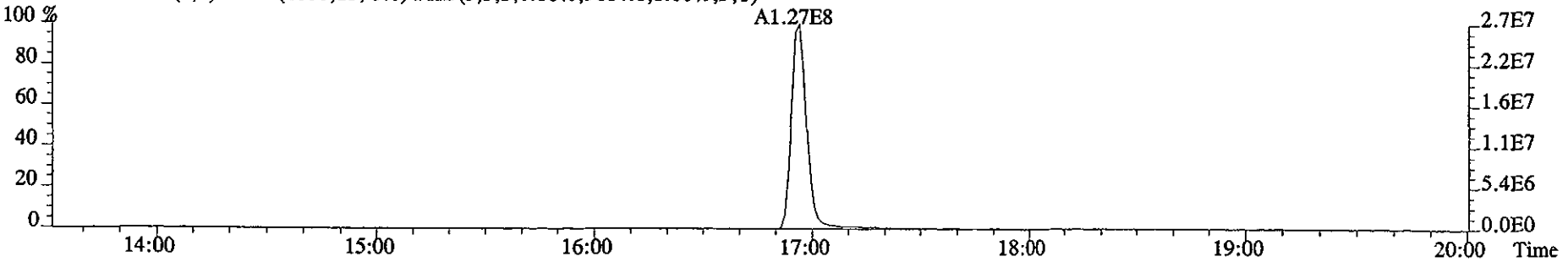
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5332.0,1.00%,F,T)



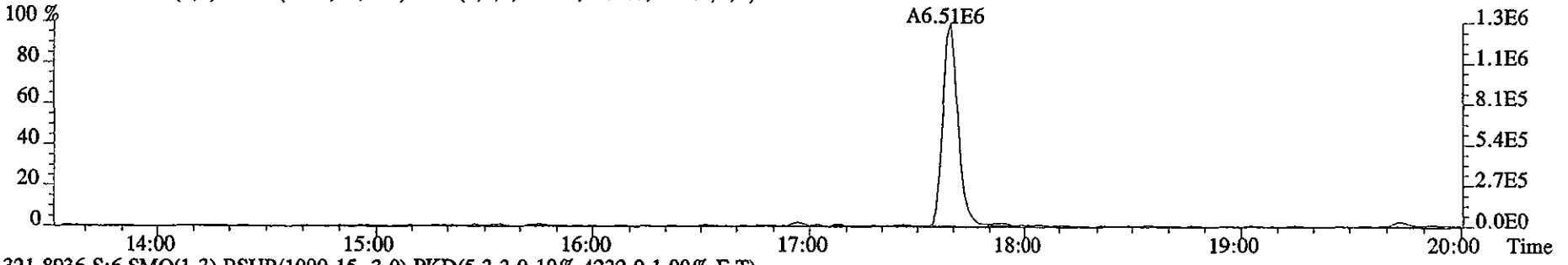
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7352.0,1.00%,F,T)



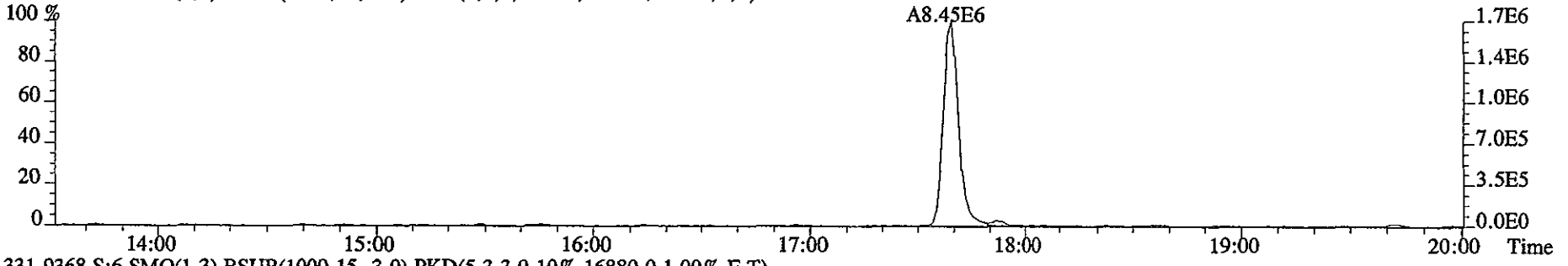
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9884.0,1.00%,F,T)



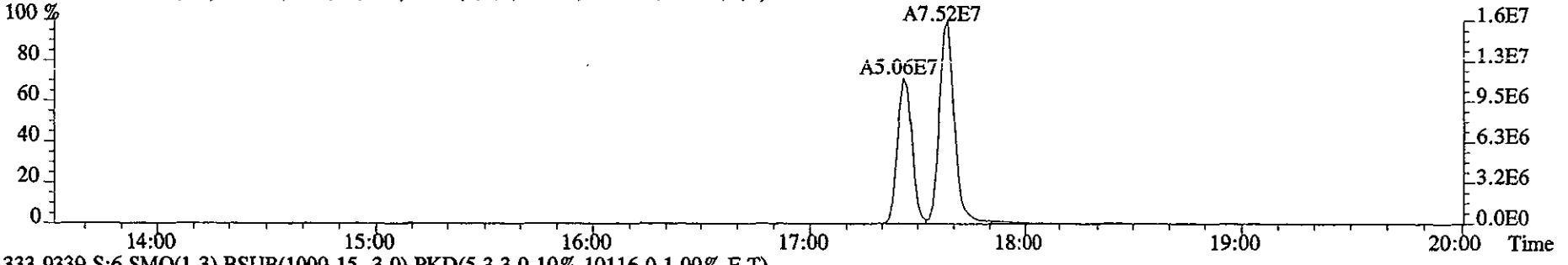
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4232.0,1.00%,F,T)



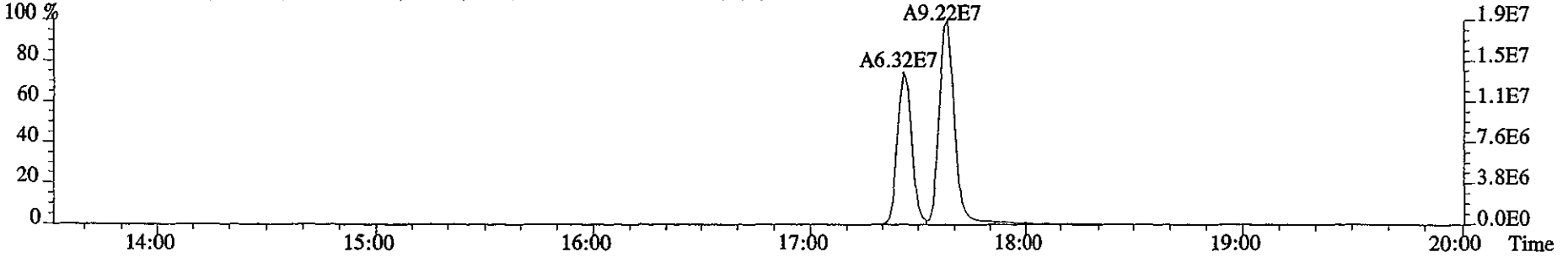
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4232.0,1.00%,F,T)



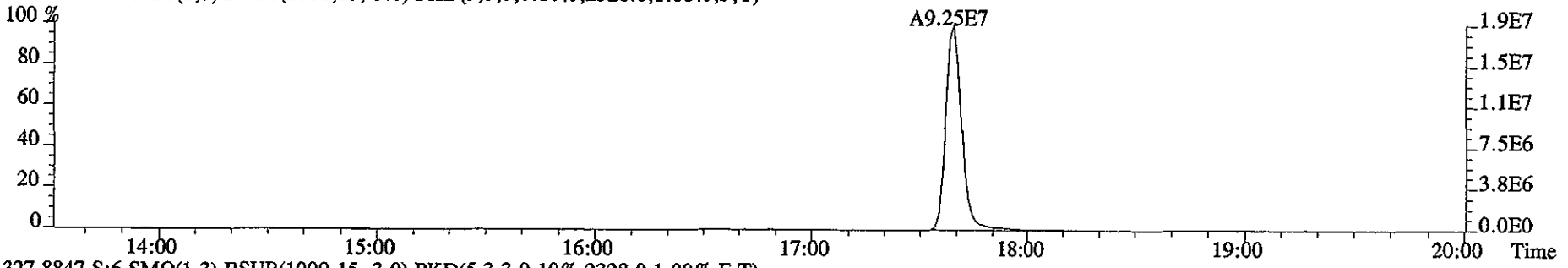
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16880.0,1.00%,F,T)



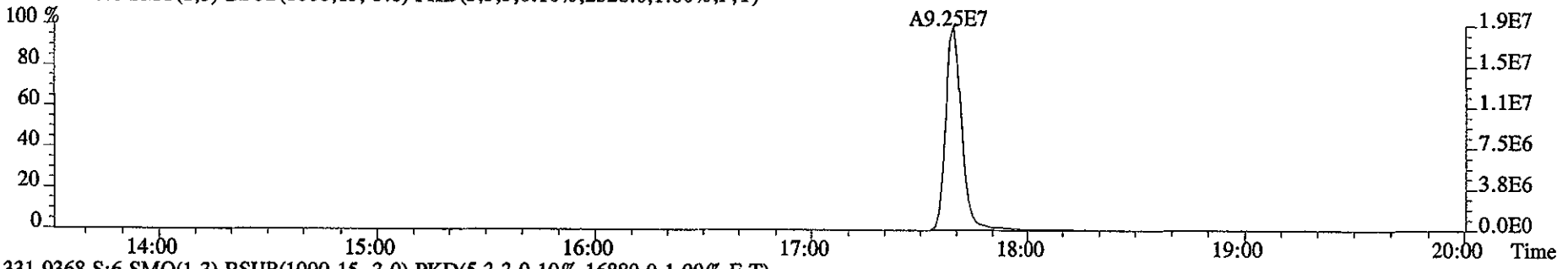
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10116.0,1.00%,F,T)



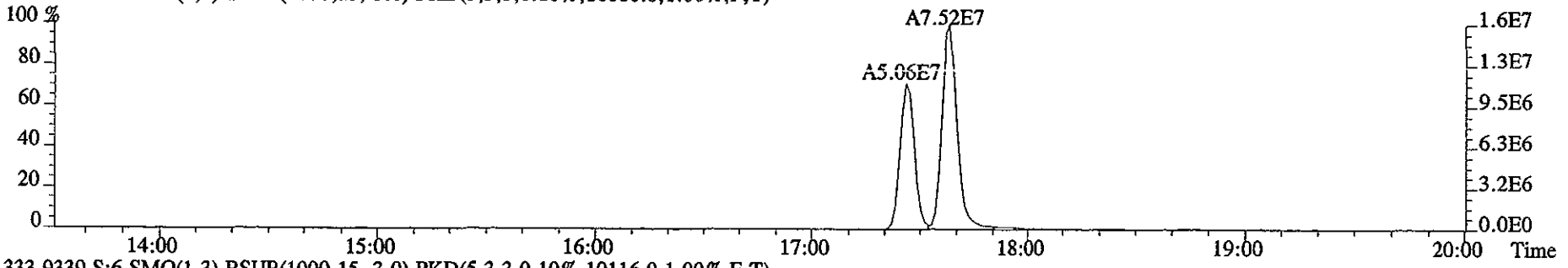
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



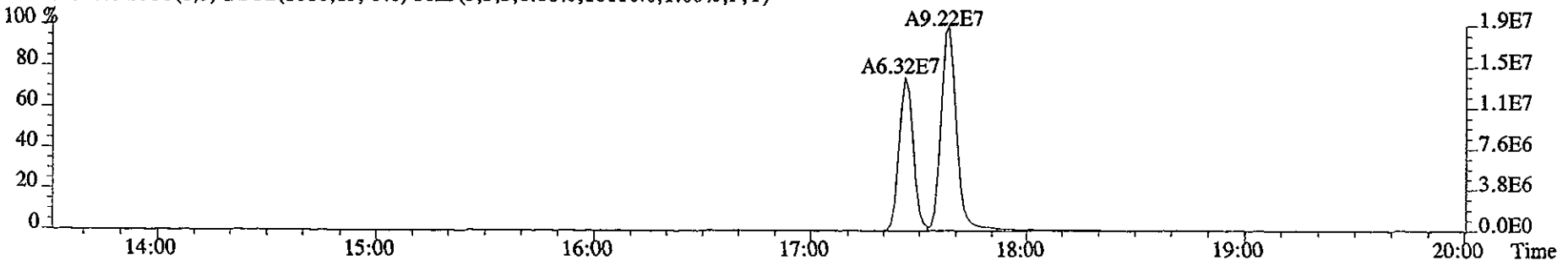
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16880.0,1.00%,F,T)

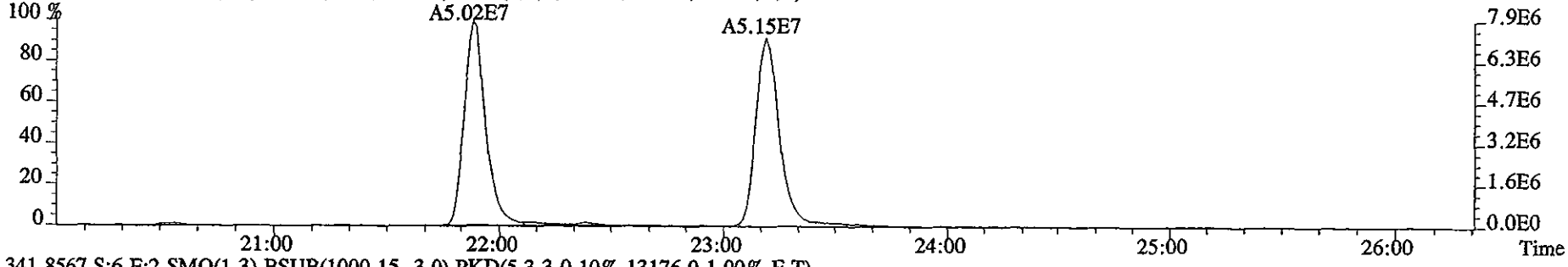


333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10116.0,1.00%,F,T)

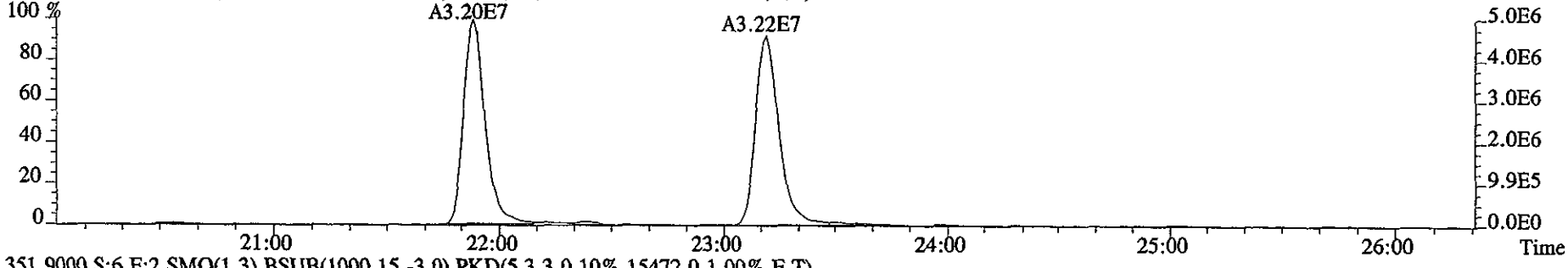


File:26AP10A1D5 #1-445 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN

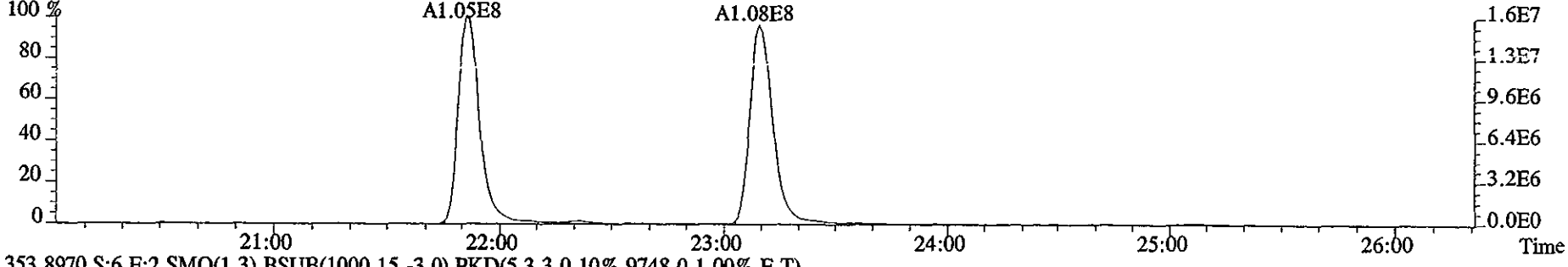
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9760.0,1.00%,F,T)



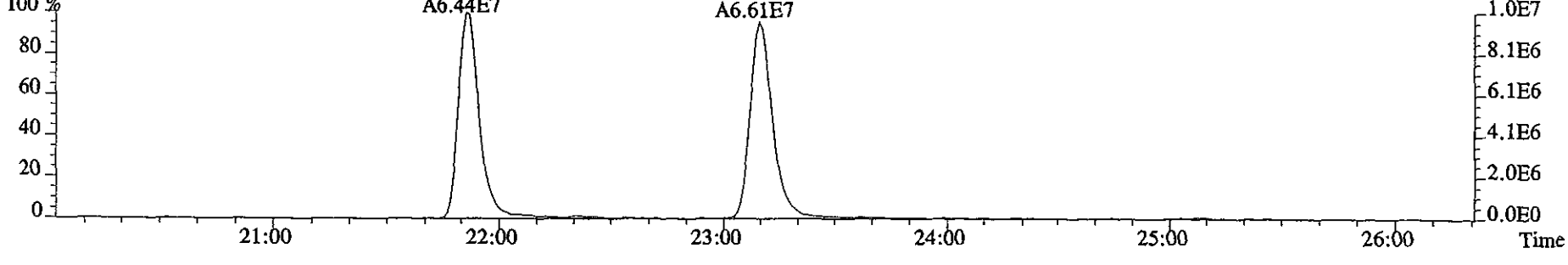
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13176.0,1.00%,F,T)



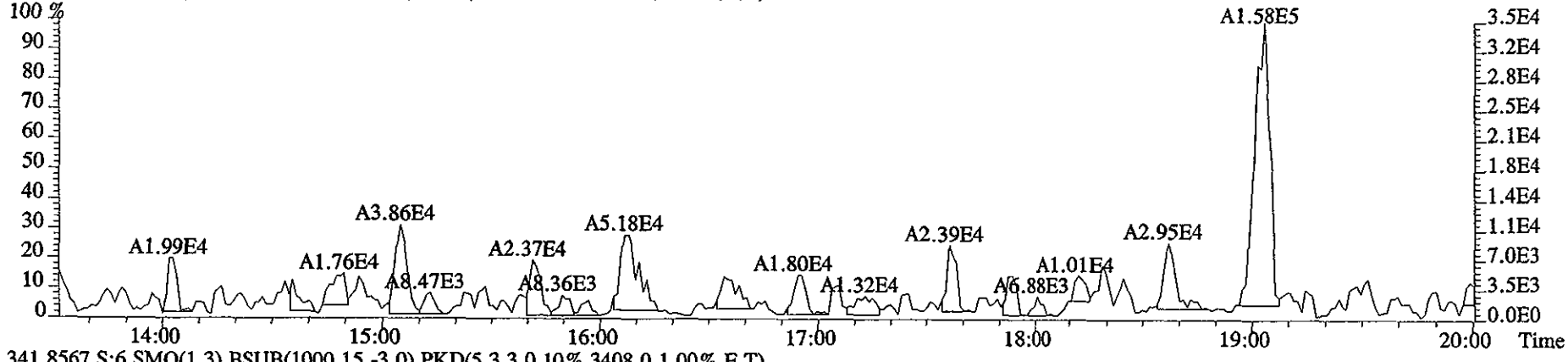
351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15472.0,1.00%,F,T)



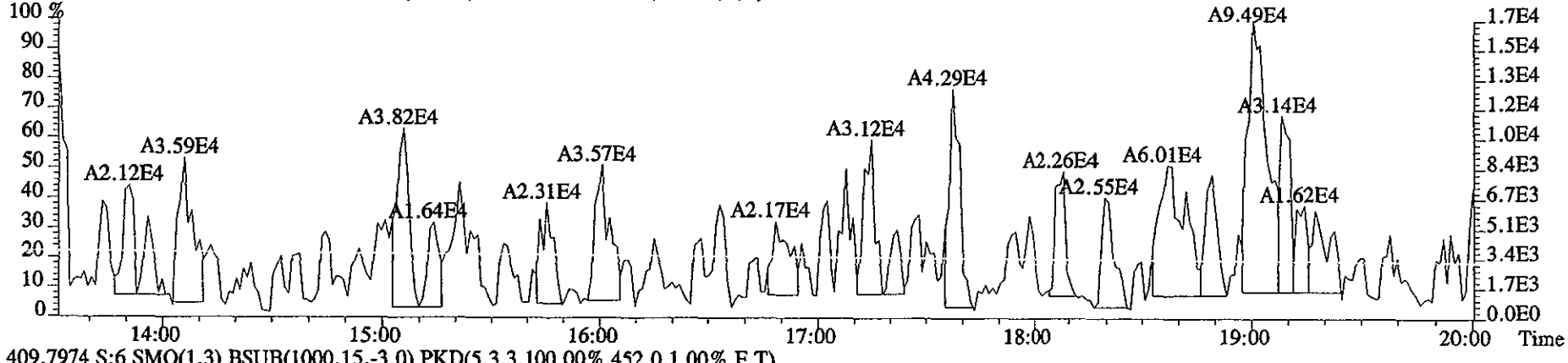
353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9748.0,1.00%,F,T)



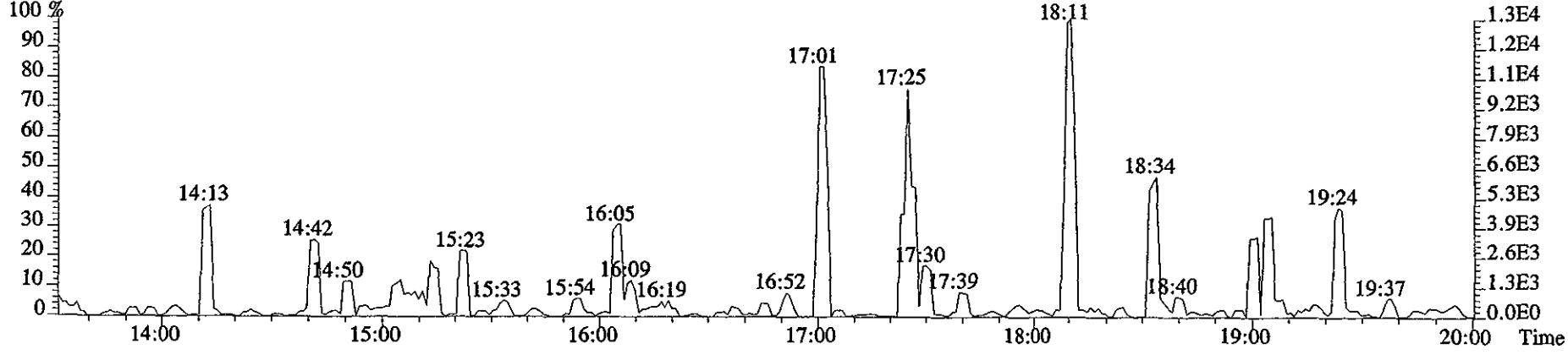
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
339.8597 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



341.8567 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3408.0,1.00%,F,T)

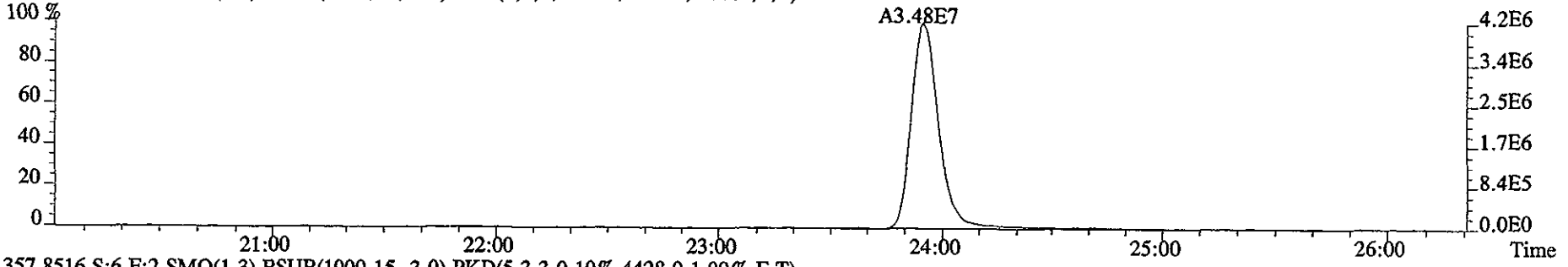


409.7974 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,452.0,1.00%,F,T)

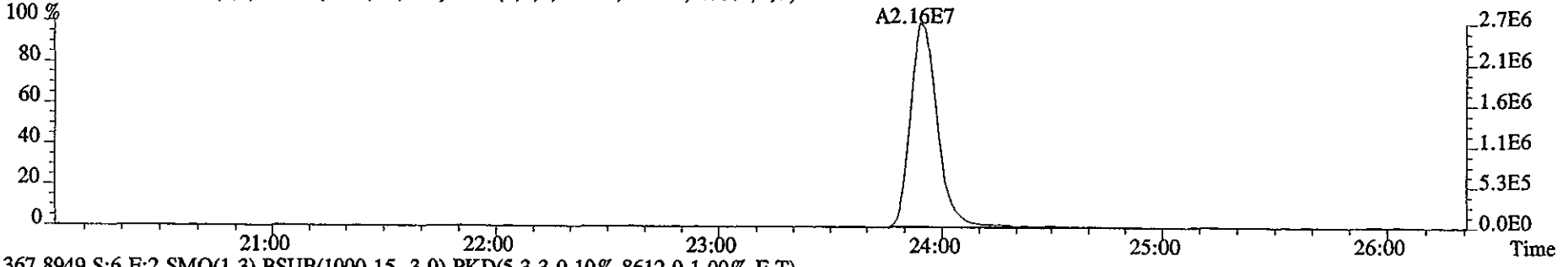


File:26AP10A1D5 #1-445 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN

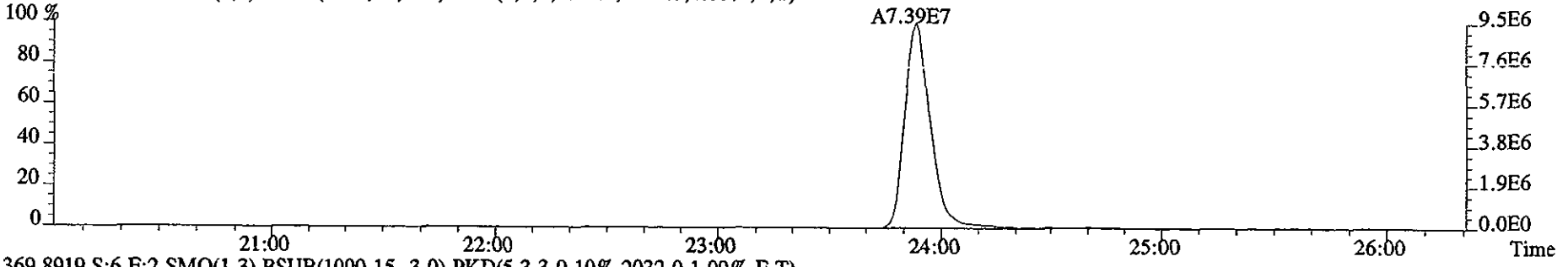
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6080.0,1.00%,F,T)



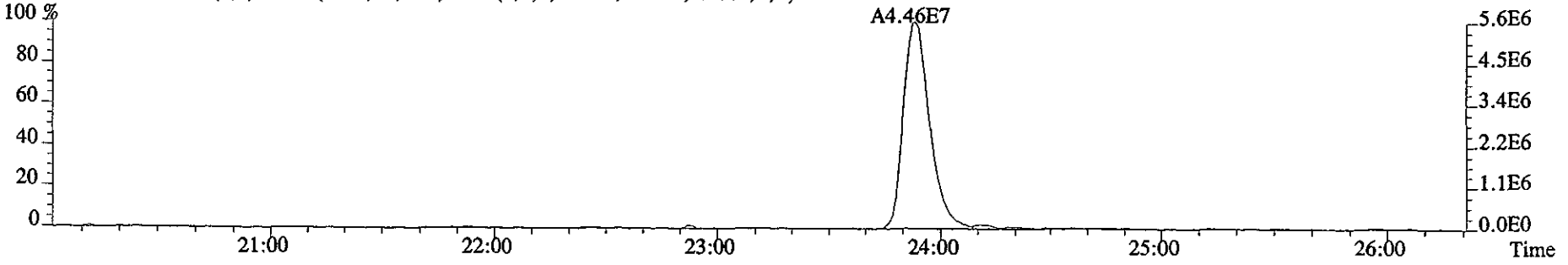
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4428.0,1.00%,F,T)



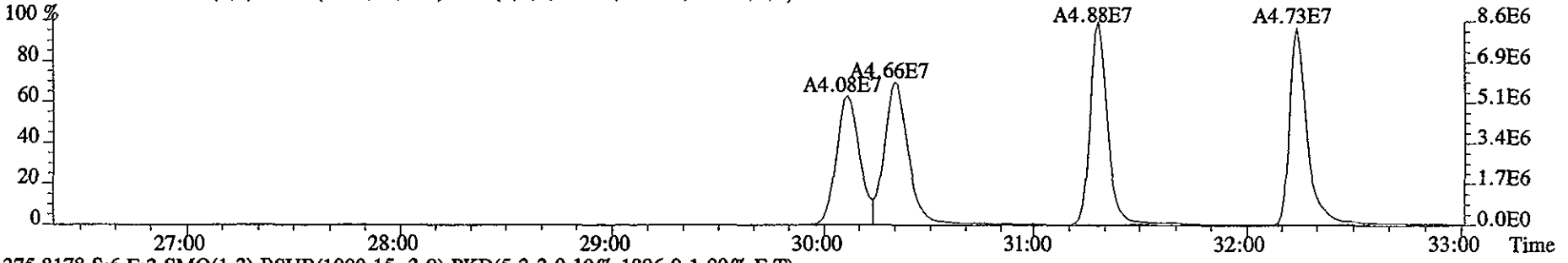
367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8612.0,1.00%,F,T)



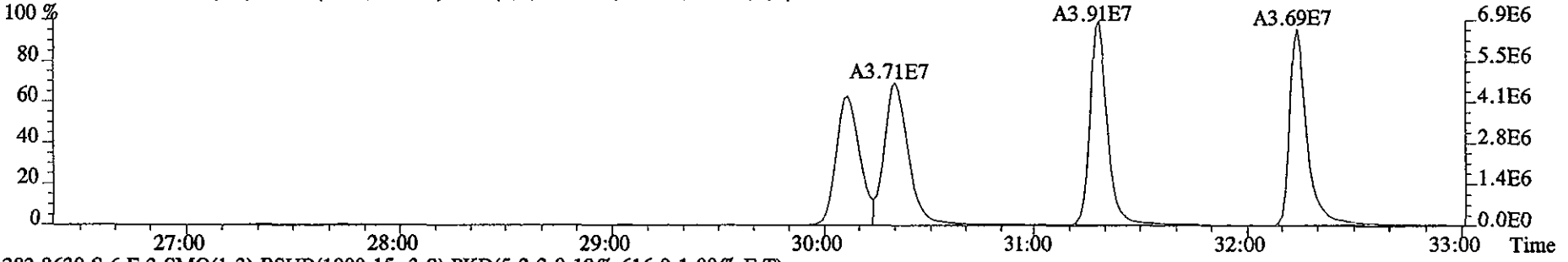
369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2032.0,1.00%,F,T)



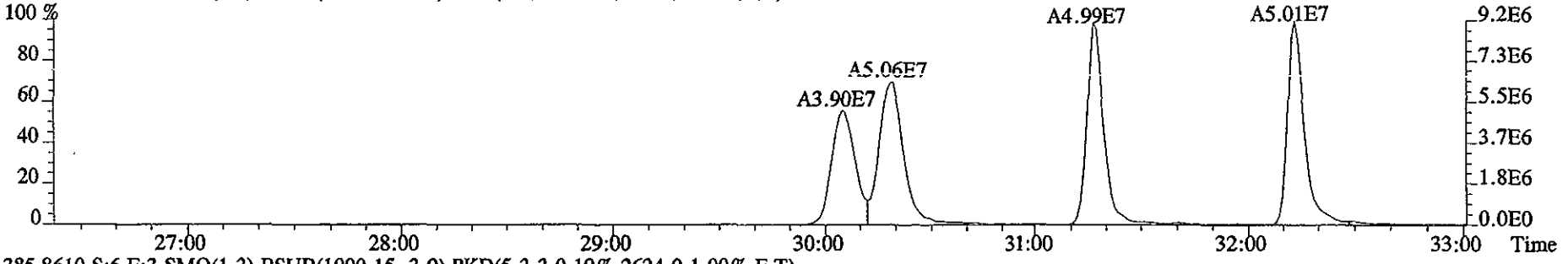
File:26AP10A1D5 #1-447 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3760.0,1.00%,F,T)



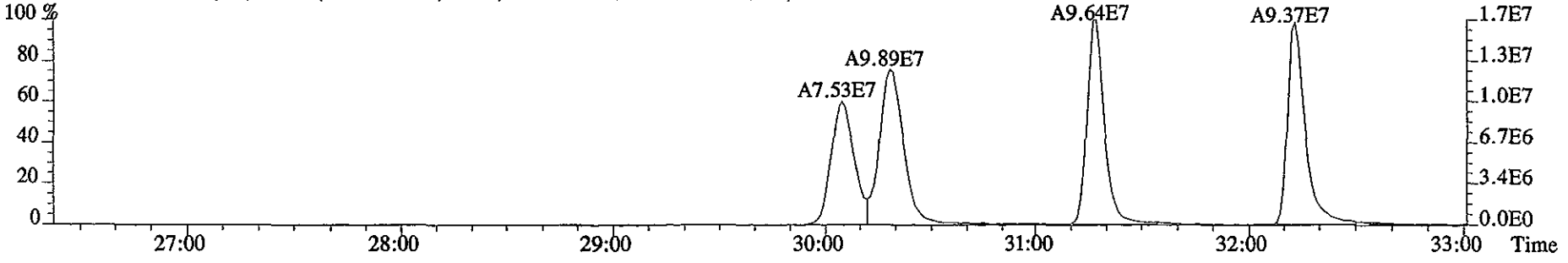
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)



383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,616.0,1.00%,F,T)

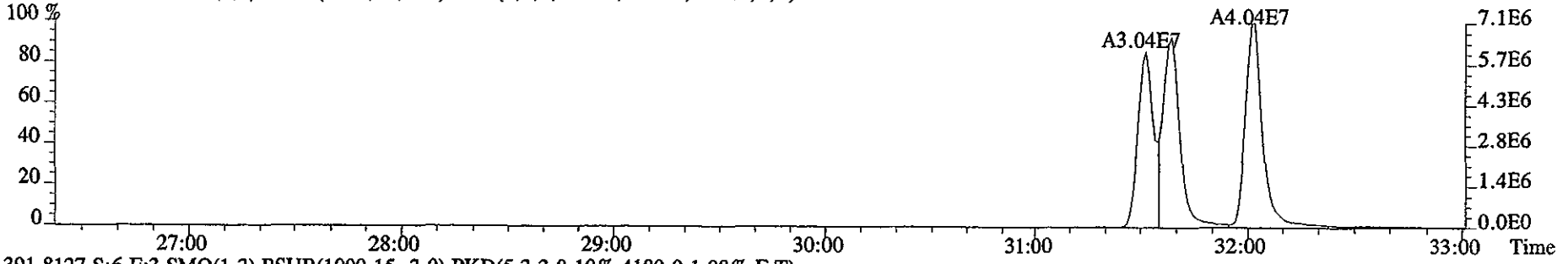


385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2624.0,1.00%,F,T)

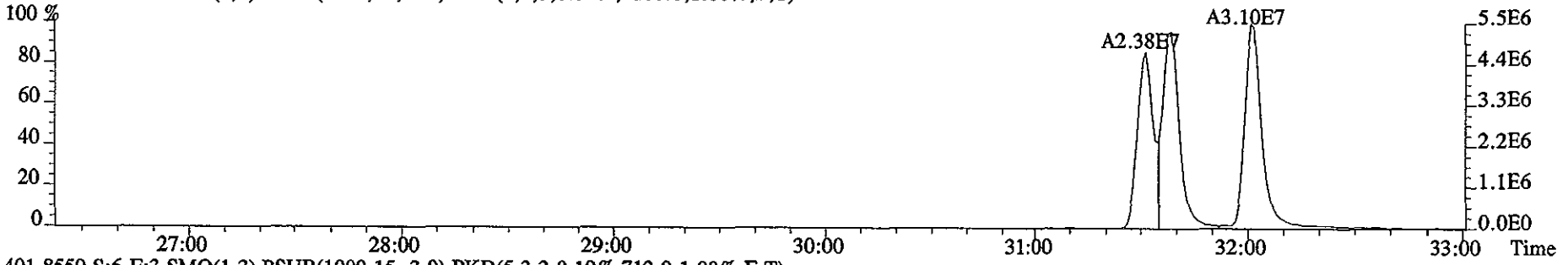


File:26AP10A1D5 #1-447 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN

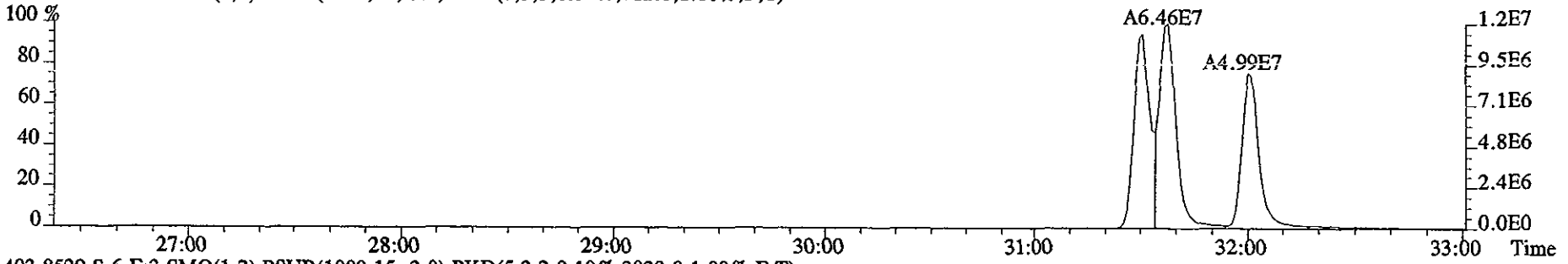
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3456.0,1.00%,F,T)



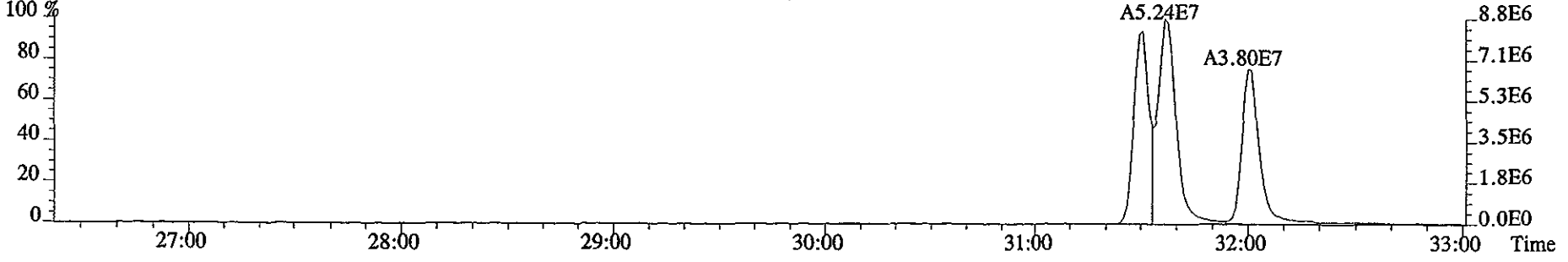
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4180.0,1.00%,F,T)



401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)

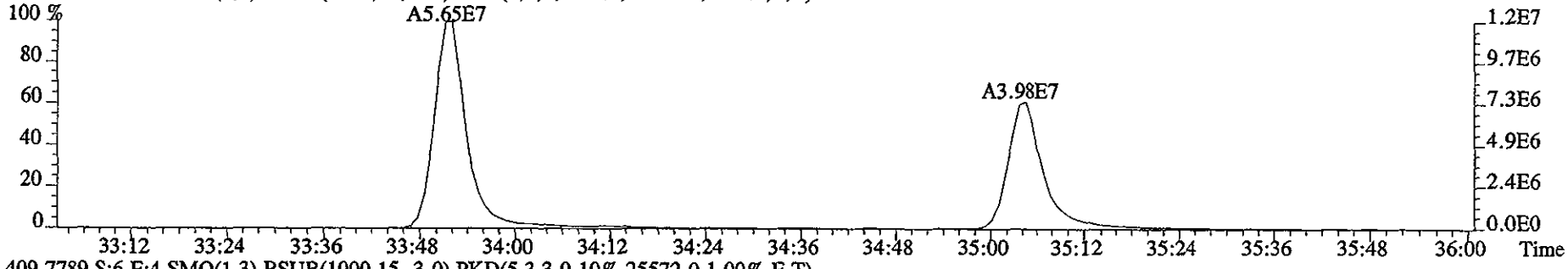


403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3020.0,1.00%,F,T)

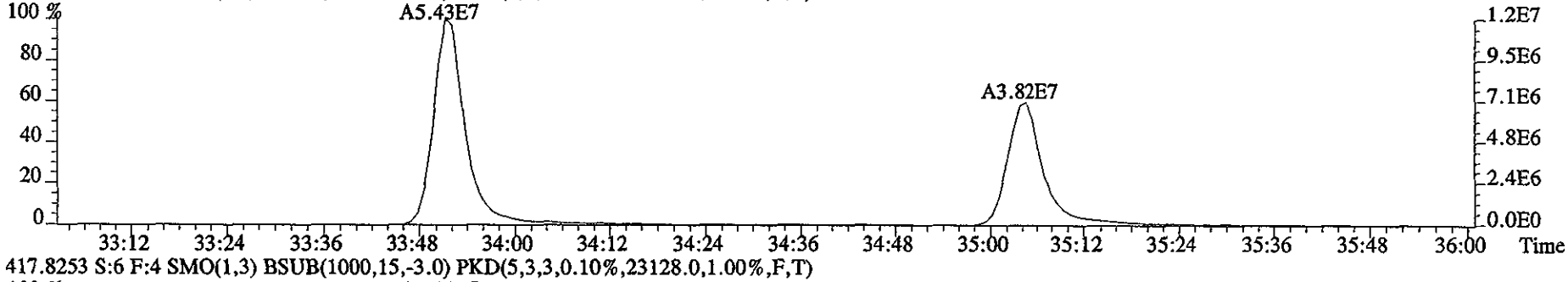


File:26AP10A1D5 #1-210 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN

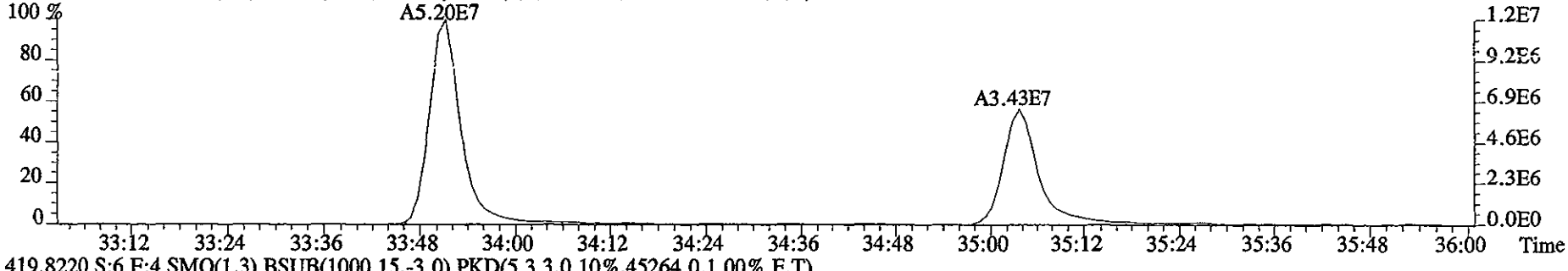
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17820.0,1.00%,F,T)



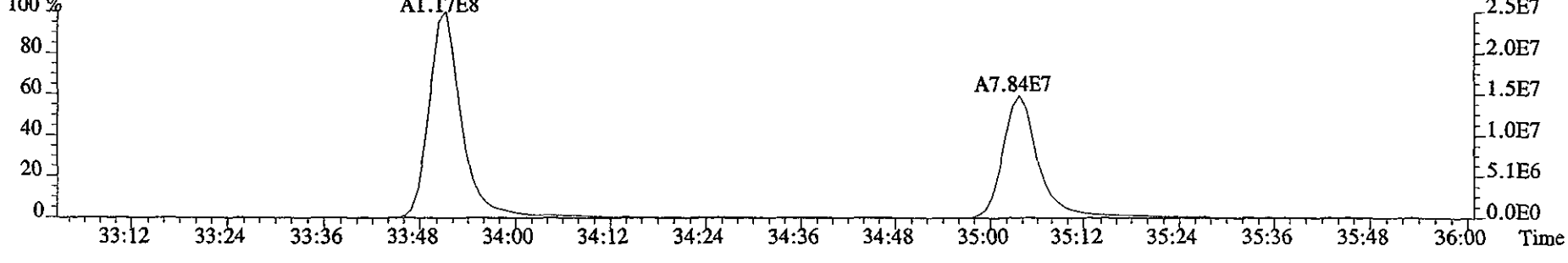
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25572.0,1.00%,F,T)



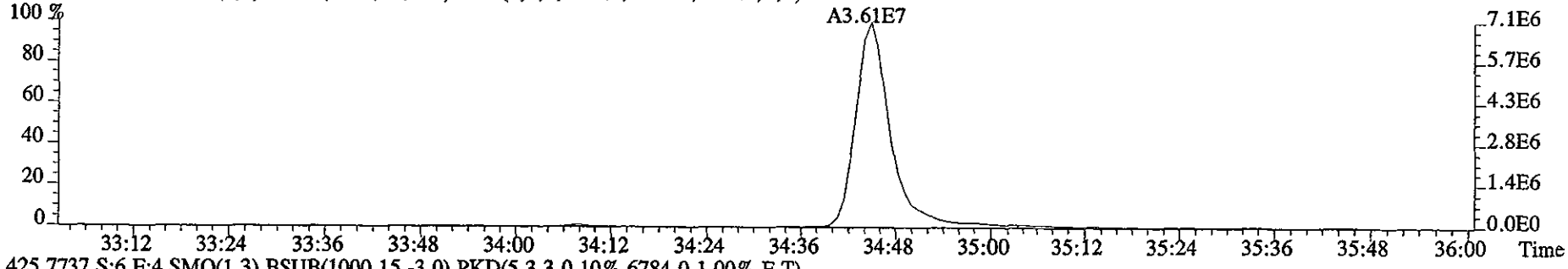
417.8253 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23128.0,1.00%,F,T)



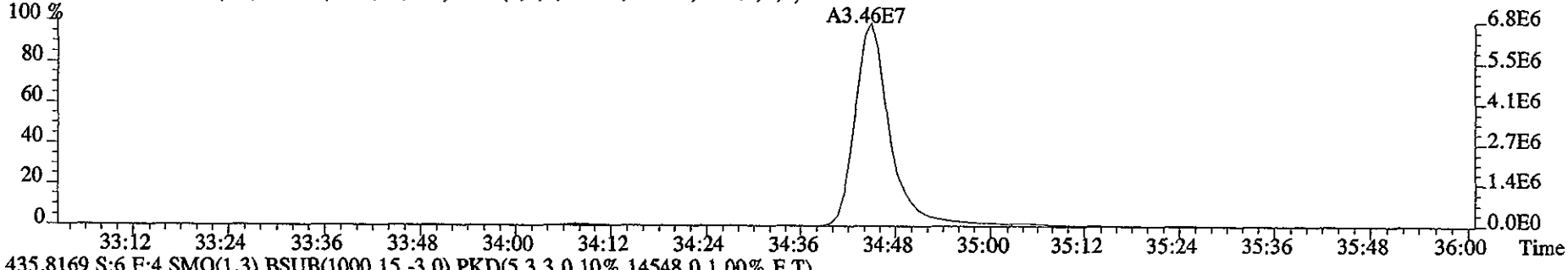
419.8220 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,45264.0,1.00%,F,T)



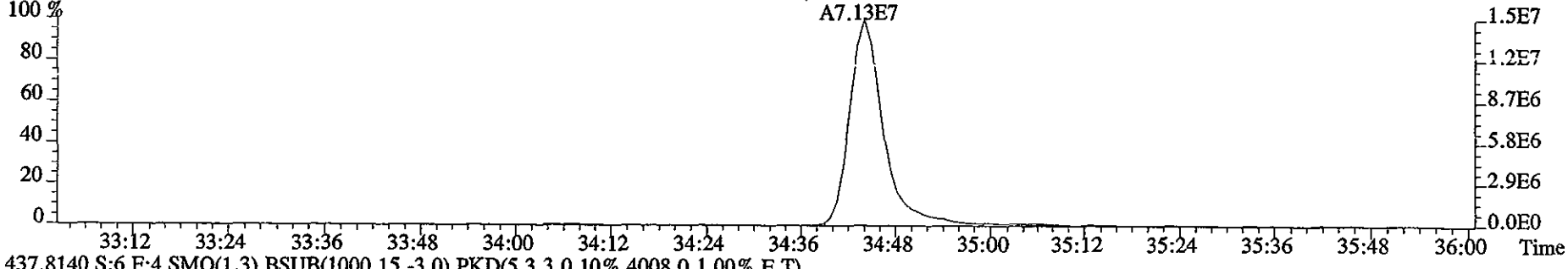
File:26AP10A1D5 #1-210 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5792.0,1.00%,F,T)



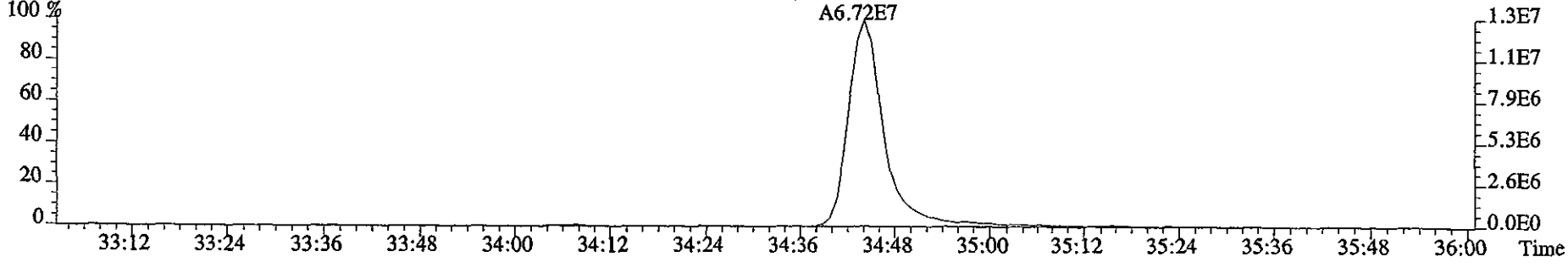
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6784.0,1.00%,F,T)



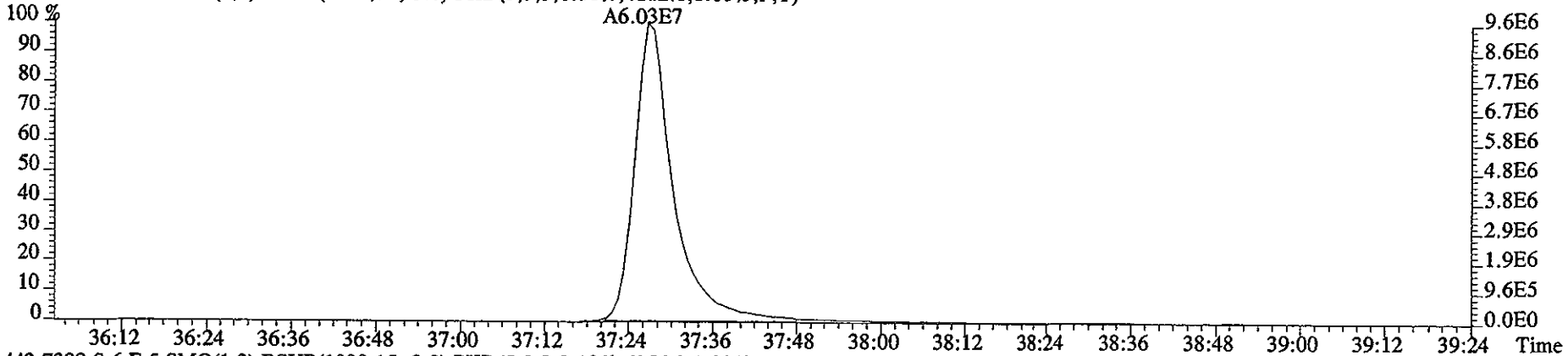
435.8169 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14548.0,1.00%,F,T)



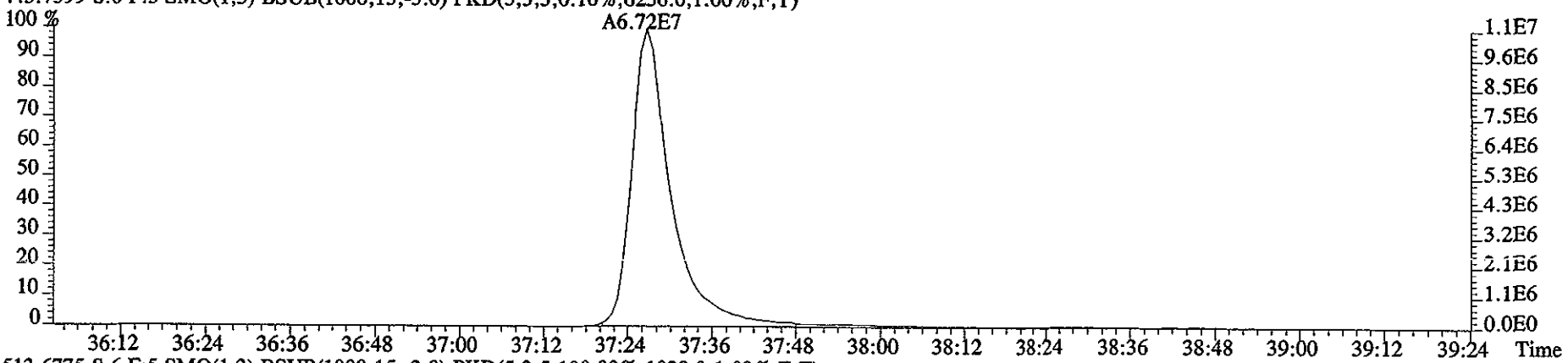
437.8140 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4008.0,1.00%,F,T)



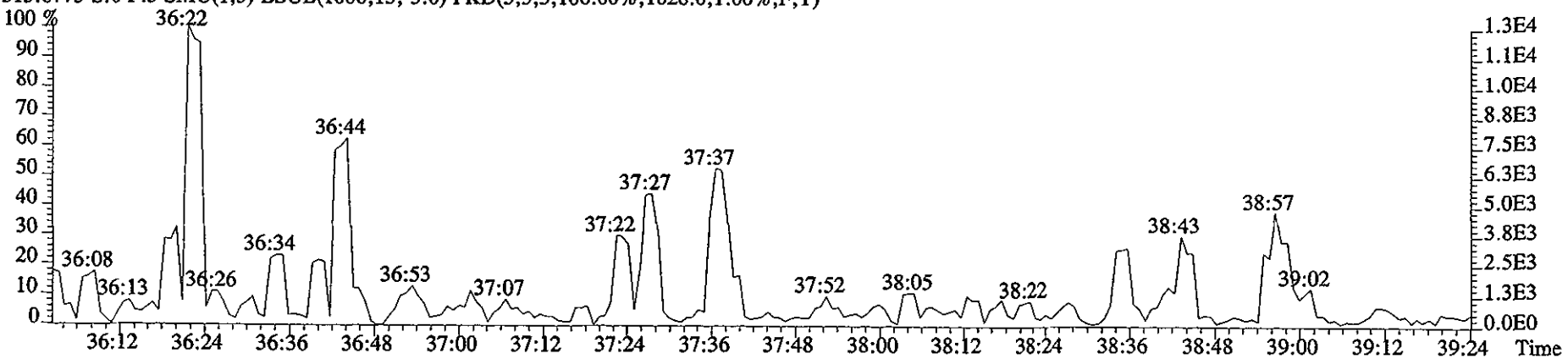
File:26AP10A1D5 #1-243 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4112.0,1.00%,F,T)



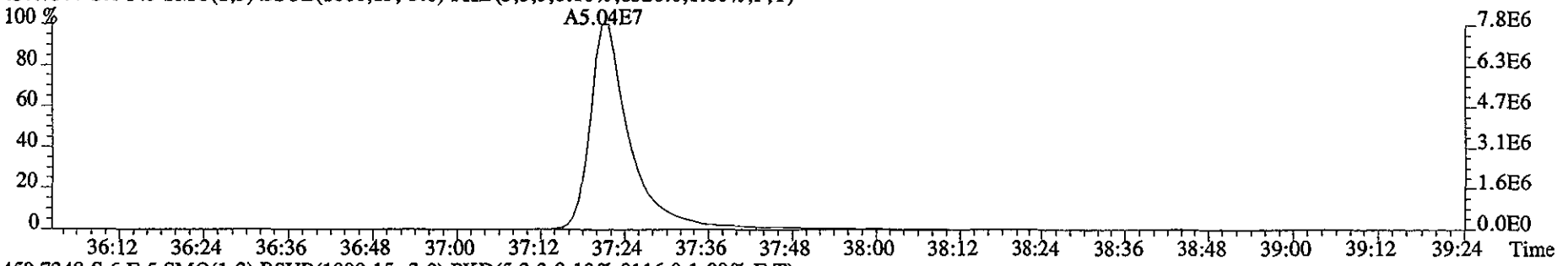
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)



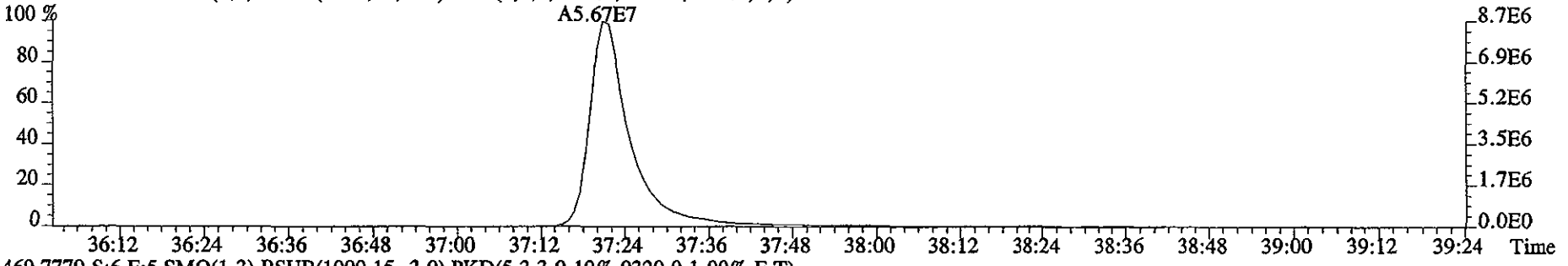
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1028.0,1.00%,F,T)



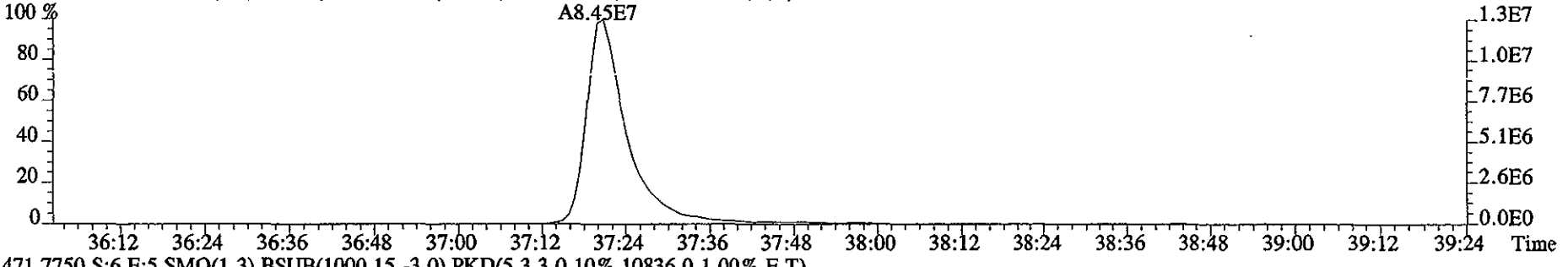
File:26AP10A1D5 #1-243 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8320.0,1.00%,F,T)



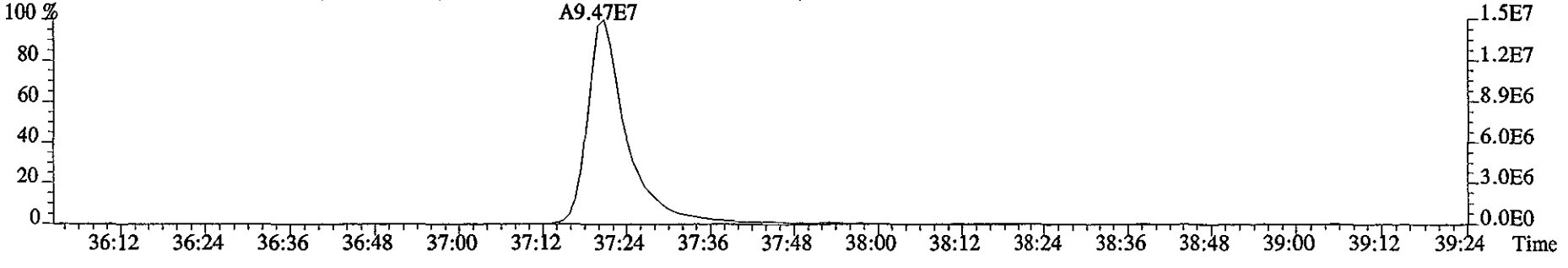
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8116.0,1.00%,F,T)



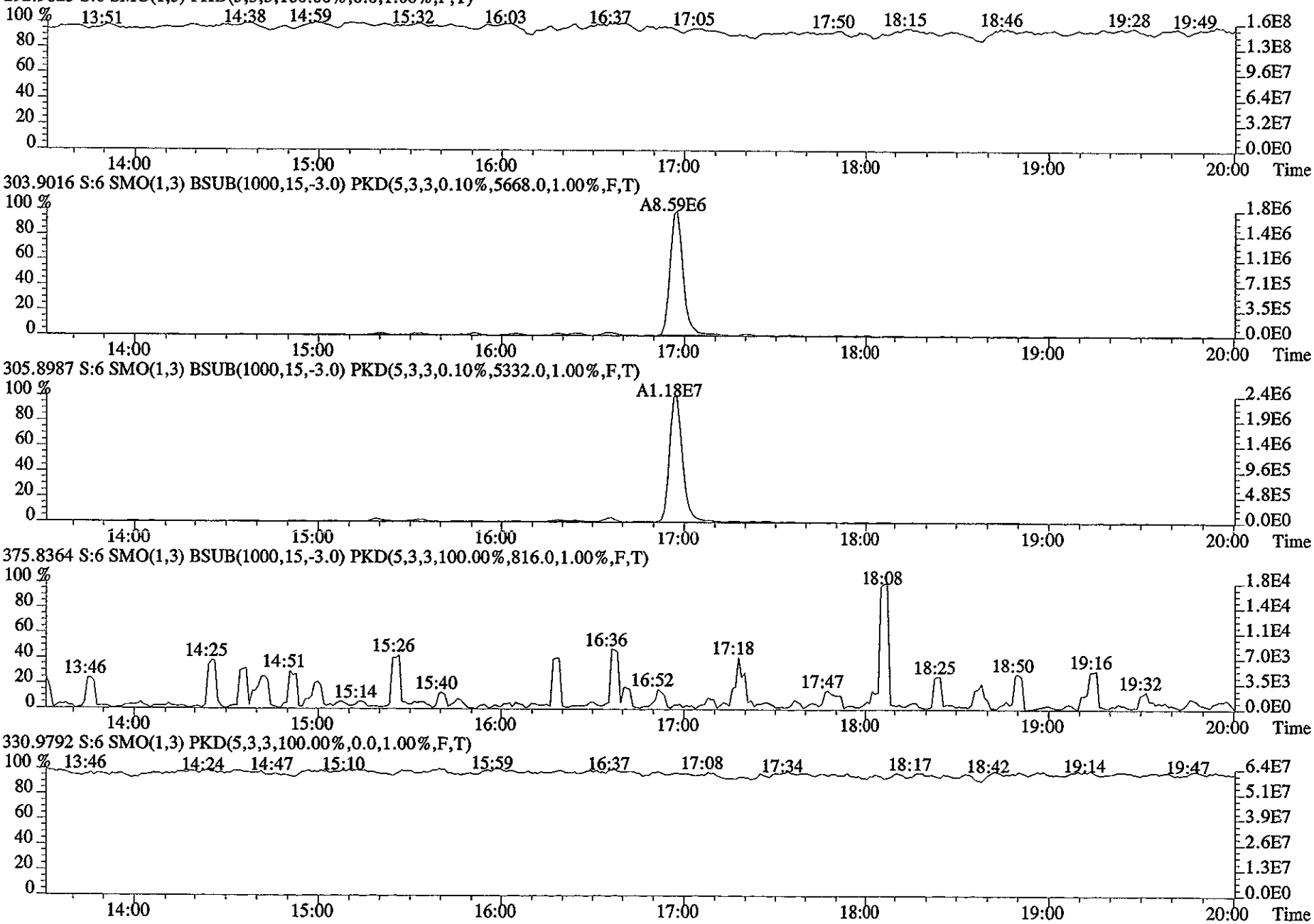
469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9320.0,1.00%,F,T)



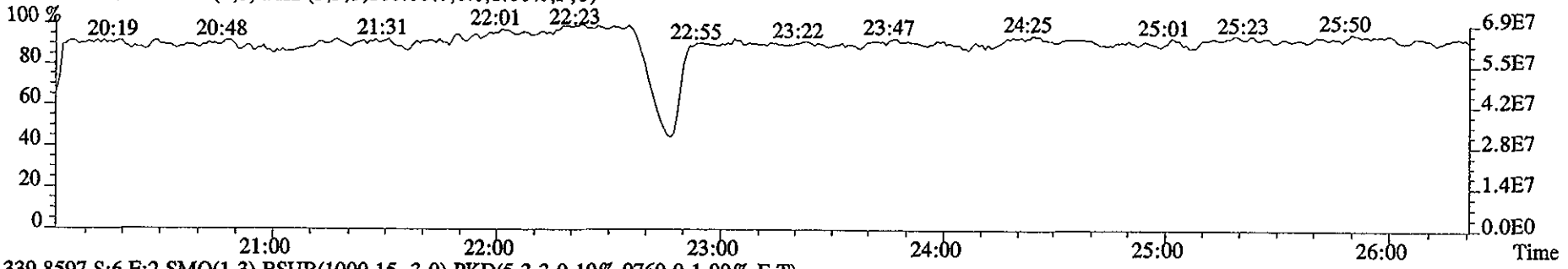
471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10836.0,1.00%,F,T)



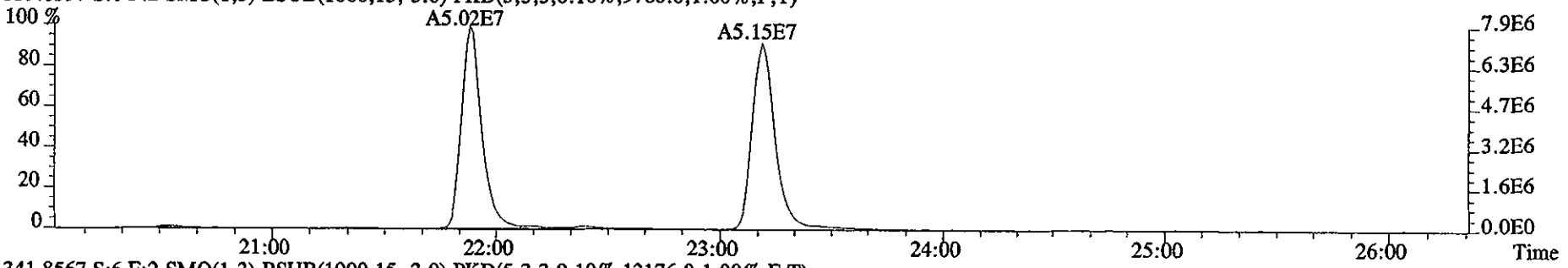
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN



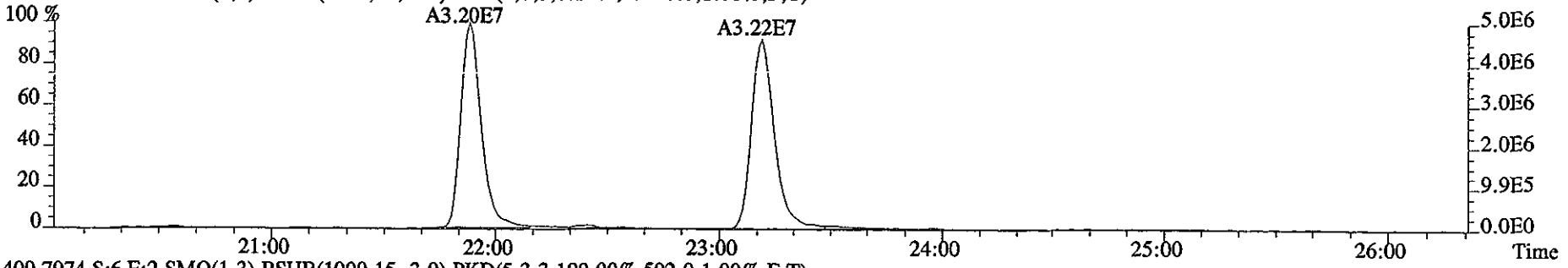
File:26AP10A1D5 #1-445 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



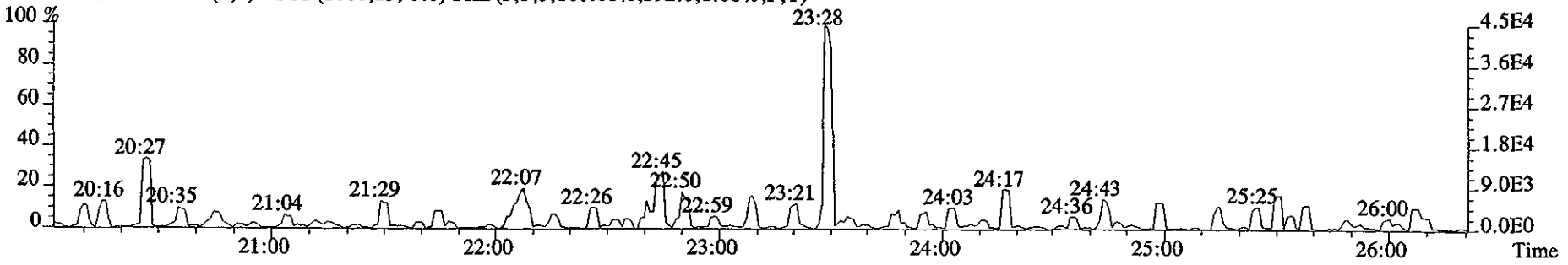
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9760.0,1.00%,F,T)

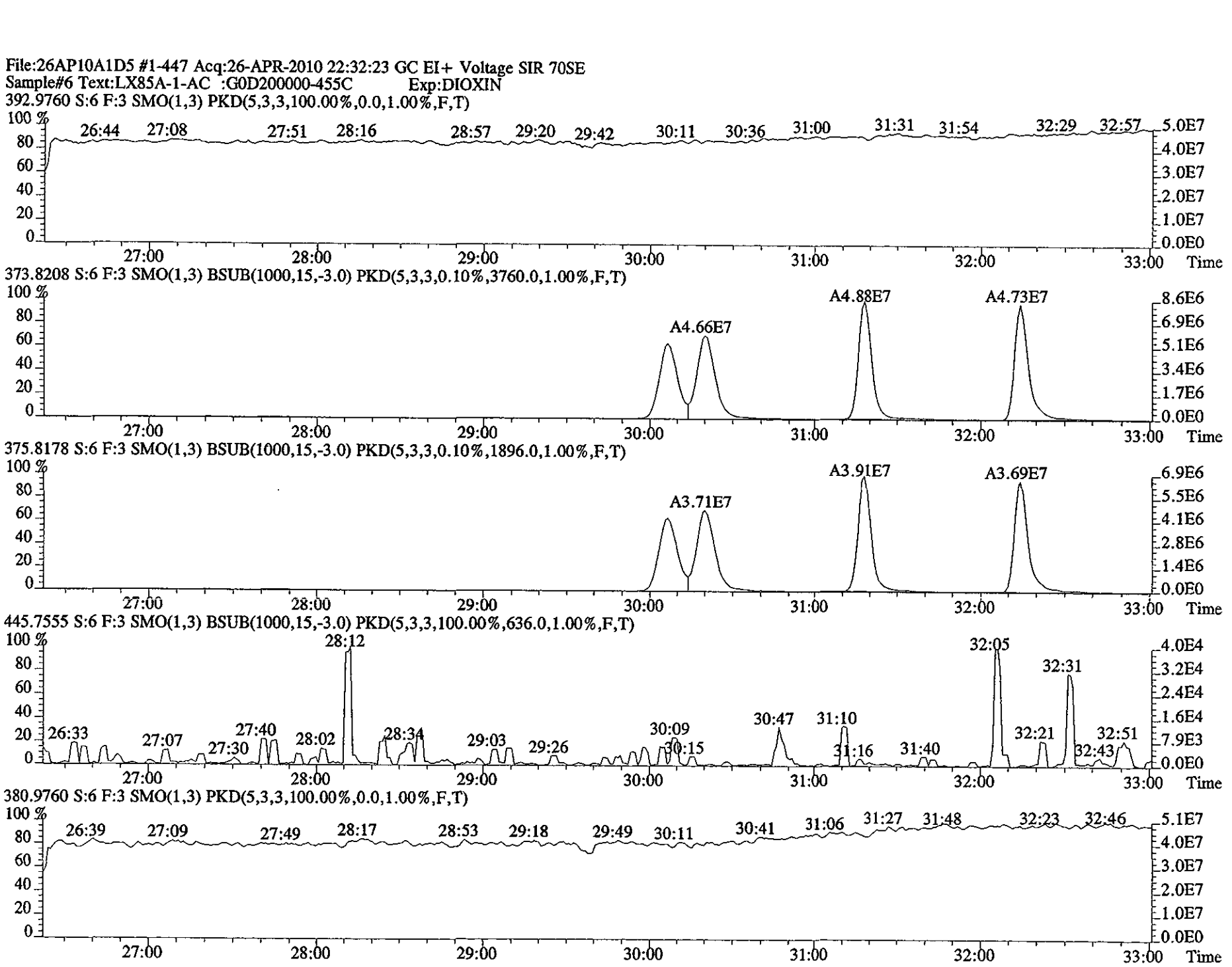


341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13176.0,1.00%,F,T)

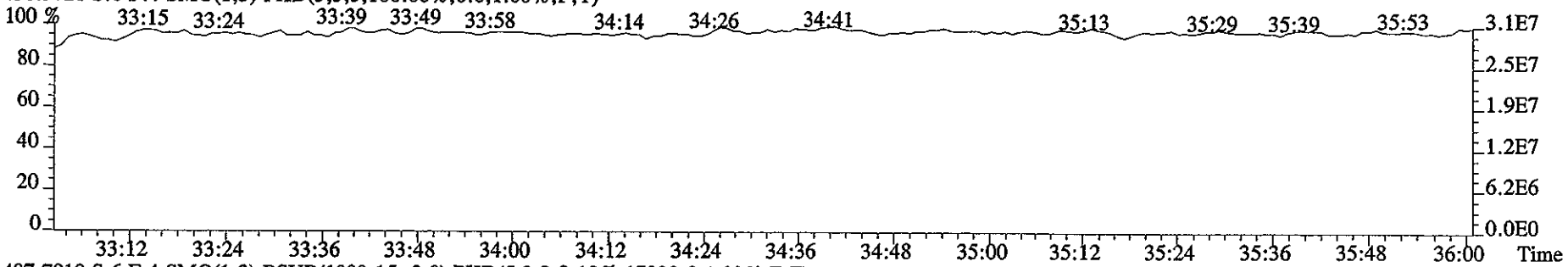


409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,592.0,1.00%,F,T)

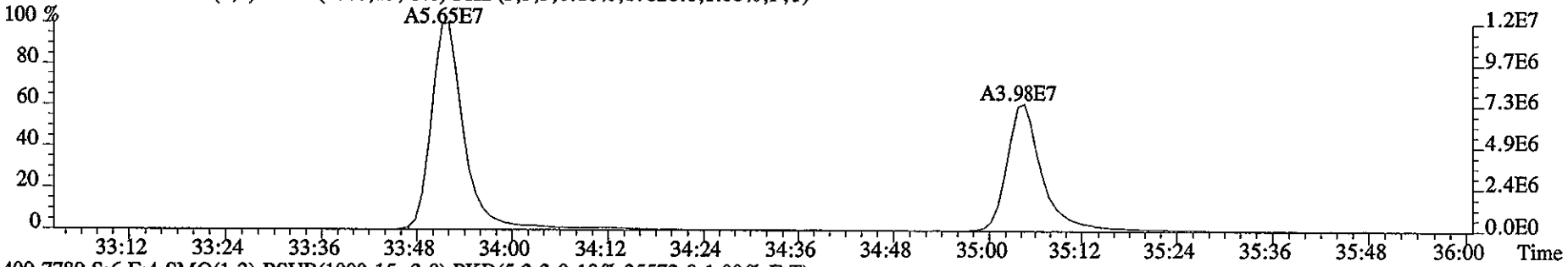




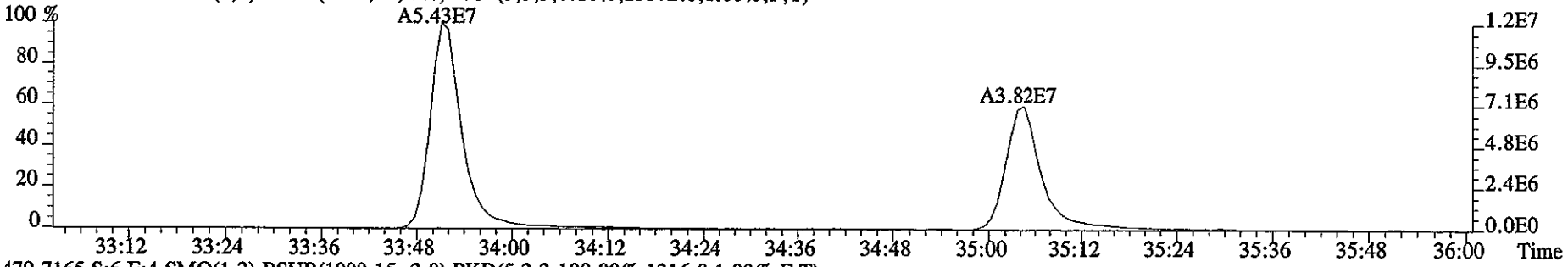
File:26AP10A1D5 #1-210 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



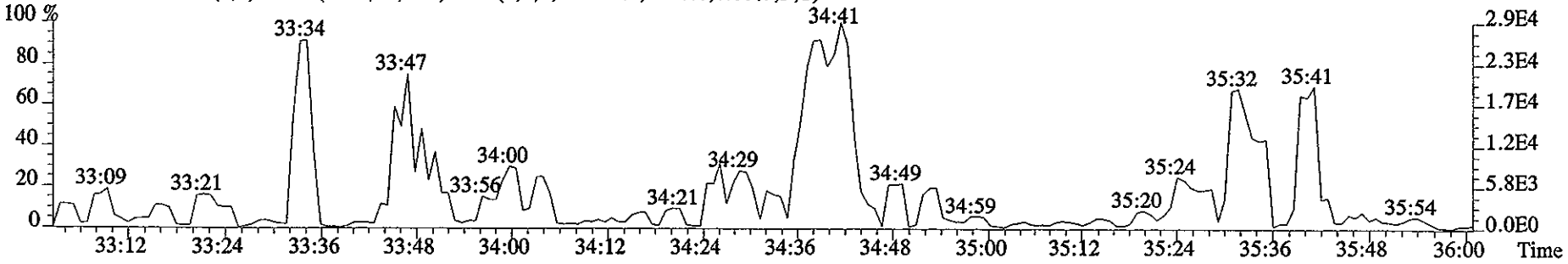
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17820.0,1.00%,F,T)



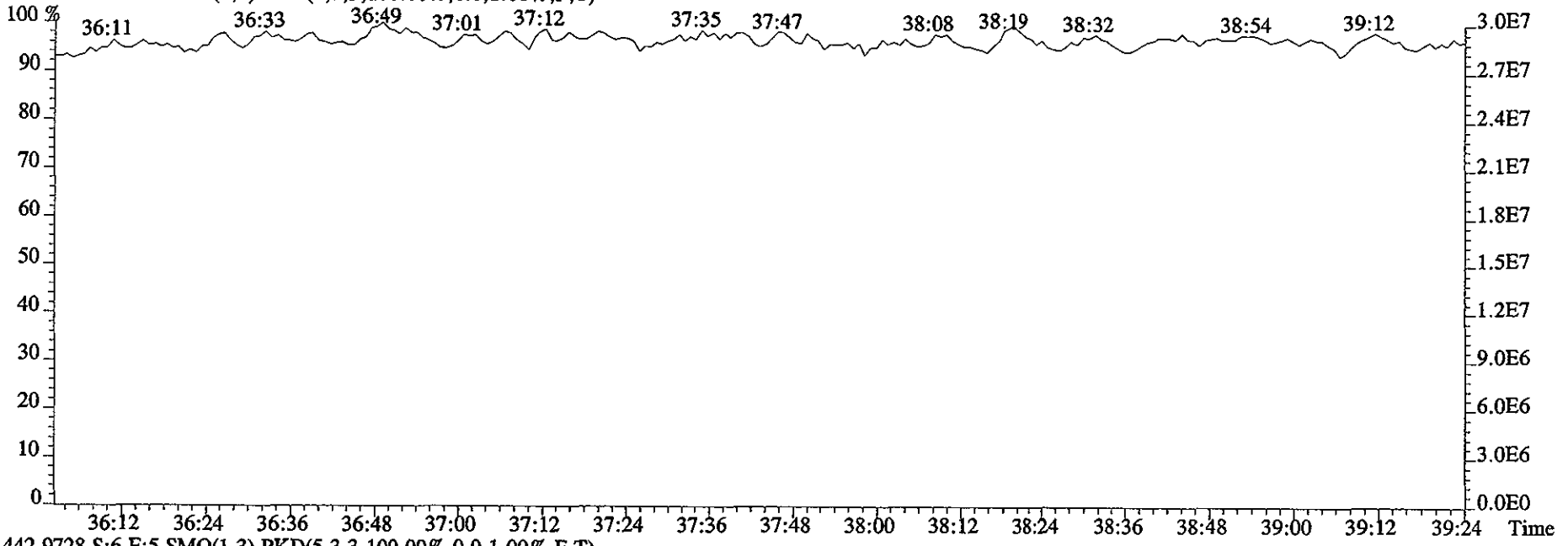
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25572.0,1.00%,F,T)



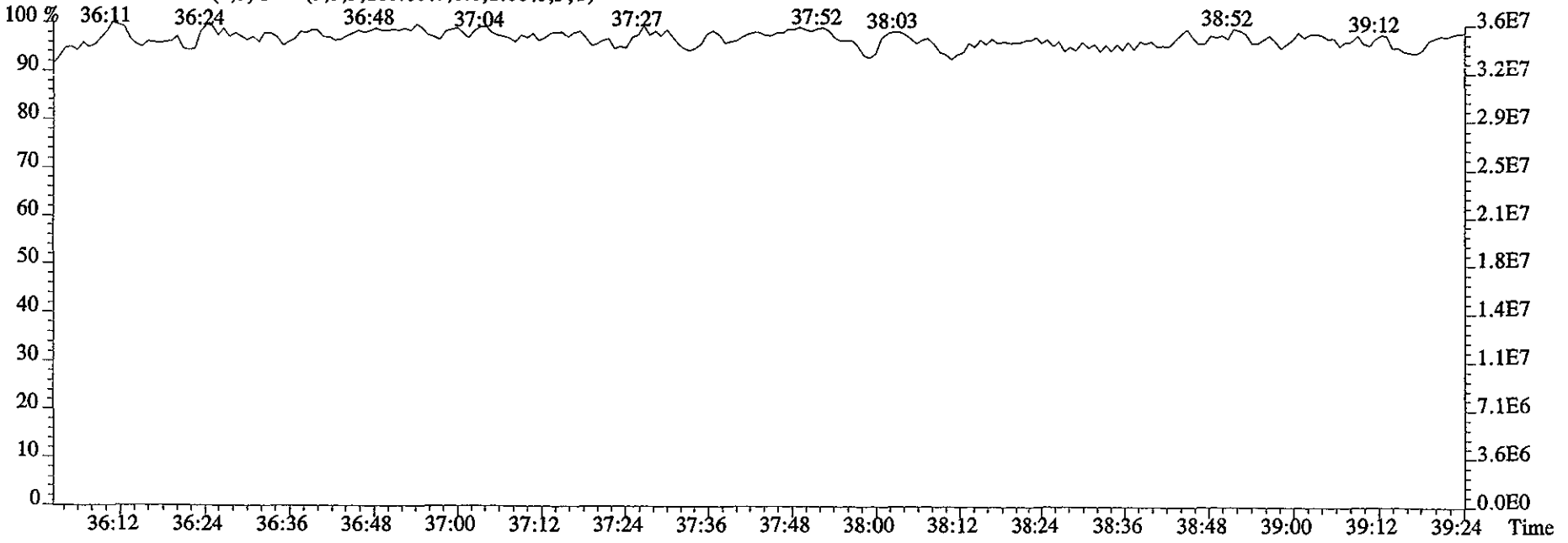
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1216.0,1.00%,F,T)



File:26AP10A1D5 #1-243 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX5XK-1-AC Sample text: LX5XK-1-AC :G0D170485-1
Run #38 Filename: 07MY104D5 S: 38 I: 1 Results: 07my104d58290aos
Acquired: 8-MAY-10 13:55:56 Processed: 8-MAY-10 20:56:26
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.09 g

05
05-11-10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	111712600	0.81	y	19:27	-	8.322	-	-	n
13C-2,3,7,8-TCDF	183718400	0.78	y	18:52	1.52	107.178	0.064	54.1	n
2,3,7,8-TCDF	66635800	0.79	y	18:54	0.95	~~76.053~~	0.108	-	n
Total TCDF	319176483	0.78	y	16:12	0.95	~~364.2~~84	~~0.108~~	-	n
13C-2,3,7,8-TCDD	132116300	0.81	y	19:40	0.95	123.419	0.120	62.3	n
2,3,7,8-TCDD	912048	0.69	y	19:41	1.02	1.340	0.051	-	n
Total TCDD	22038643	0.76	y	17:12	1.02	~~32.3~~84	~~0.051~~	-	n
37Cl-2,3,7,8-TCDD	140252800	1.00	y	19:41	2.26	55.025	0.001	69.4	n
13C-1,2,3,7,8-PeCDF	135356000	1.58	y	24:30	1.05	114.330	0.051	57.7	n
1,2,3,7,8-PeCDF	43576100	1.57	y	24:32	1.04	61.079	0.362	-	n
2,3,4,7,8-PeCDF	22566180	1.61	y	26:01	0.98	33.647	0.385	-	n
Total F2 PeCDF	296637131	1.70	y	22:23	1.01	~~427.783~~	~~0.373~~	-	n
Total F1 PeCDF	14970699	0.39	n	18:39	1.01	~~21.632~~	~~0.039~~	-	n
13C-1,2,3,7,8-PeCDD	99367100	1.55	y	26:49	0.67	131.483	0.009	66.3	n
1,2,3,7,8-PeCDD	2083355	1.52	y	26:50	0.98	4.232	0.106	-	n
Total PeCDD	18625136	1.58	y	23:13	0.98	~~37.837~~	~~0.106~~	-	n
13C-1,2,3,7,8,9-HxCDD	86394500	1.26	y	33:05	-	8.333	-	-	n
13C-1,2,3,4,7,8-HxCDF	82927400	0.51	y	31:54	1.02	92.823	0.031	46.8	n
1,2,3,4,7,8-HxCDF	69383200	1.22	y	31:55	1.21	136.764	0.997	-	y
1,2,3,6,7,8-HxCDF	53719700	1.25	y	32:02	1.34	95.624	0.901	-	y
2,3,4,6,7,8-HxCDF	13203970	1.28	y	32:35	1.22	25.821	0.989	-	y
1,2,3,7,8,9-HxCDF	6449650	1.22	y	33:16	1.09	14.111	1.107	-	y
Total HxCDF	264898880	1.24	y	30:30	1.22	~~512.107~~	~~0.993~~	-	y
13C-1,2,3,6,7,8-HxCDD	82892100	1.27	y	32:48	0.81	117.822	0.002	59.4	n
1,2,3,4,7,8-HxCDD	1181868	1.24	y	32:44	1.01	2.807	0.108	-	y
1,2,3,6,7,8-HxCDD	2695990	1.20	y	32:49	1.11	5.788	0.098	-	y
1,2,3,7,8,9-HxCDD	2472110	1.30	y	33:05	1.21	4.889	0.090	-	n
Total HxCDD	16262531	1.35	y	31:21	1.11	~~34.841~~	~~0.098~~	-	y
13C-1,2,3,4,6,7,8-HpCDF	41465000	0.42	y	34:35	0.86	55.144	0.517	27.8	n
1,2,3,4,6,7,8-HpCDF	82893200	1.00	y	34:36	1.31	302.560	1.745		n
1,2,3,4,7,8,9-HpCDF	37626500	1.01	y	35:43	1.03	175.371	2.229	-	n
Total HpCDF	167682600	1.00	y	34:36	1.17	~~671.0~~13	~~1.957~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	38607200	1.04	y	35:23	0.70	63.497	0.127	32.0	n
1,2,3,4,6,7,8-HpCDD	4710000	1.02	y	35:24	1.07	22.561	0.367	-	n
Total HpCDD	6582921	0.96	y	34:50	1.07	~~31.5~~32	0.367	-	n
13C-OCDD	30268100	0.89	y	37:53	0.53	65.343	0.210	16.5	n
OCDF	90539800	0.90	y	38:00	1.45	820.444	0.262	-	n

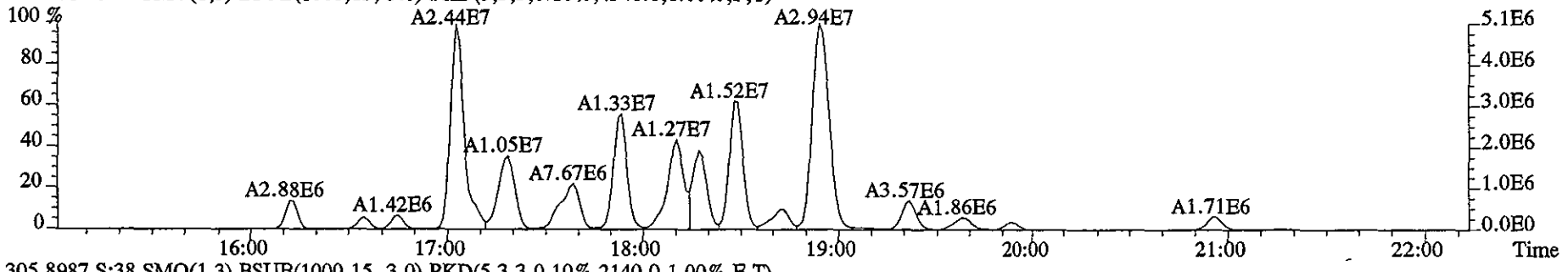
OCDD	2946840	0.91	y	37:53	1.17	33.094	0.259	- n

Run text: LX5XK-1-AC Sample text: LX5XK-1-AC :G0D170485-1
Run #38 Filename: 07MY104D5 S: 38 I: 1 Results: 07MY104D58290A
Acquired: 8-MAY-10 13:55:56 Processed: 8-MAY-10 20:56:26
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.09 g

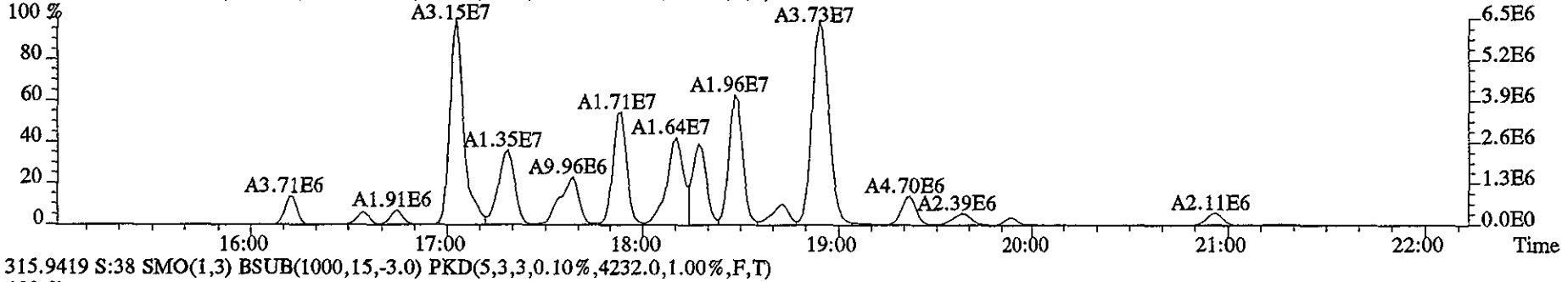
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	111712600	0.81	y	19:27	-	8.322	-	-	n
13C-2,3,7,8-TCDF	183718400	0.78	y	18:52	1.52	107.178	0.064	54.1	n
2,3,7,8-TCDF	66635800	0.79	y	18:54	0.95	76.053	0.108	-	n
Total TCDF	319176483	0.78	y	16:12	0.95	364.284	0.108	-	n
13C-2,3,7,8-TCDD	132116300	0.81	y	19:40	0.95	123.419	0.120	62.3	n
2,3,7,8-TCDD	912048	0.69	y	19:41	1.02	1.340	0.051	-	n
Total TCDD	22038643	0.76	y	17:12	1.02	32.384	0.051	-	n
37Cl-2,3,7,8-TCDD	140252800	1.00	y	19:41	2.26	55.025	0.001	69.4	n
13C-1,2,3,7,8-PeCDF	135356000	1.58	y	24:30	1.05	114.330	0.051	57.7	n
1,2,3,7,8-PeCDF	43576100	1.57	y	24:32	1.04	61.079	0.362	-	n
2,3,4,7,8-PeCDF	22566180	1.61	y	26:01	0.98	33.647	0.385	-	n
Total F2 PeCDF	296637131	1.70	y	22:23	1.01	427.783	0.373	-	n
Total F1 PeCDF	14970699	0.39	n	18:39	1.01	21.632	0.039	-	n
13C-1,2,3,7,8-PeCDD	99367100	1.55	y	26:49	0.67	131.483	0.009	66.3	n
1,2,3,7,8-PeCDD	2083355	1.52	y	26:50	0.98	4.232	0.106	-	n
Total PeCDD	18625136	1.58	y	23:13	0.98	37.837	0.106	-	n
13C-1,2,3,7,8,9-HxCDD	86394500	1.26	y	33:05	-	8.333	-	-	n
13C-1,2,3,4,7,8-HxCDF	82927400	0.51	y	31:54	1.02	92.823	0.031	46.8	n
1,2,3,4,7,8-HxCDF	76866400	1.22	y	31:55	1.21	151.514	0.997	-	n
1,2,3,6,7,8-HxCDF	53399500	1.24	y	32:02	1.34	95.054	0.901	-	n
2,3,4,6,7,8-HxCDF	26252900	1.23	y	32:32	1.22	51.339	0.989	-	n
1,2,3,7,8,9-HxCDF	18222260	1.26	y	33:19	1.09	39.869	1.107	-	n
Total HxCDF	315551310	1.24	y	30:30	1.22	614.211	0.993	-	n
13C-1,2,3,6,7,8-HxCDD	82892100	1.27	y	32:48	0.81	117.822	0.002	59.4	n
1,2,3,4,7,8-HxCDD	954612	1.53	n	32:44	1.01	2.267	0.108	-	n
1,2,3,6,7,8-HxCDD	2737380	1.16	y	32:49	1.11	5.876	0.098	-	n
1,2,3,7,8,9-HxCDD	2472110	1.30	y	33:05	1.21	4.889	0.090	-	n
Total HxCDD	16076663	1.35	y	31:21	1.11	34.390	0.098	-	n
13C-1,2,3,4,6,7,8-HpCDF	41465000	0.42	y	34:35	0.86	55.144	0.517	27.8	n
1,2,3,4,6,7,8-HpCDF	82893200	1.00	y	34:36	1.31	302.560	1.745	-	n
1,2,3,4,7,8,9-HpCDF	37626500	1.01	y	35:43	1.03	175.371	2.229	-	n
Total HpCDF	167682600	1.00	y	34:36	1.17	671.013	1.957	-	n
13C-1,2,3,4,6,7,8-HpCDD	38607200	1.04	y	35:23	0.70	63.497	0.127	32.0	n
1,2,3,4,6,7,8-HpCDD	4710000	1.02	y	35:24	1.07	22.561	0.367	-	n
Total HpCDD	6582921	0.96	y	34:50	1.07	31.532	0.367	-	n
13C-OCDD	30268100	0.89	y	37:53	0.53	65.343	0.210	16.5	n
OCDF	90539800	0.90	y	38:00	1.45	820.444	0.262	-	n
OCDD	2946840	0.91	y	37:53	1.17	33.094	0.259	-	n

File:07MY104D5 #1-435 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

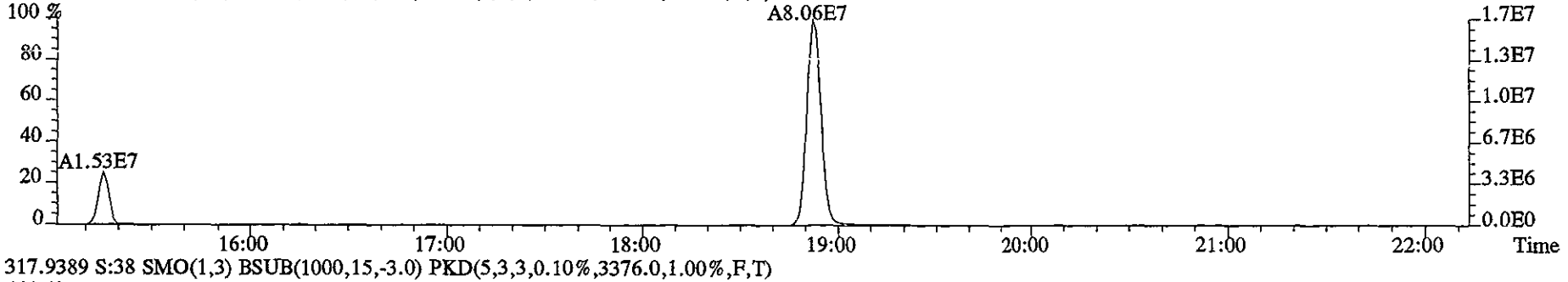
303.9016 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4348.0,1.00%,F,T)



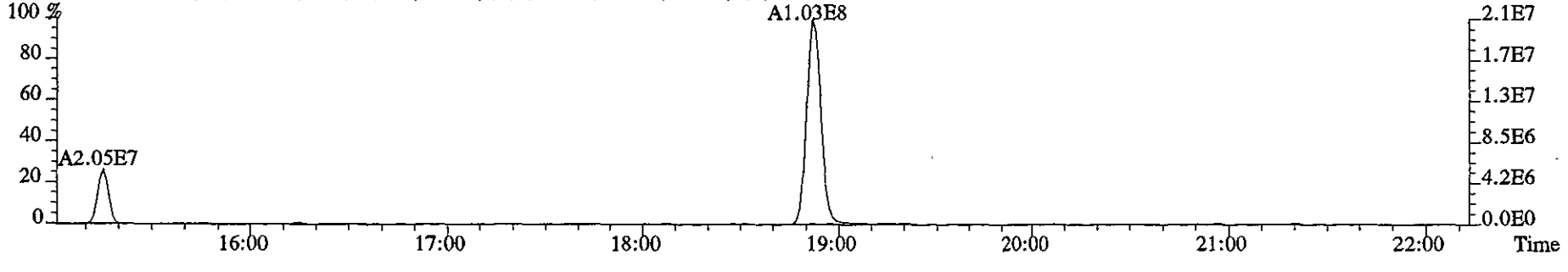
305.8987 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2140.0,1.00%,F,T)



315.9419 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4232.0,1.00%,F,T)

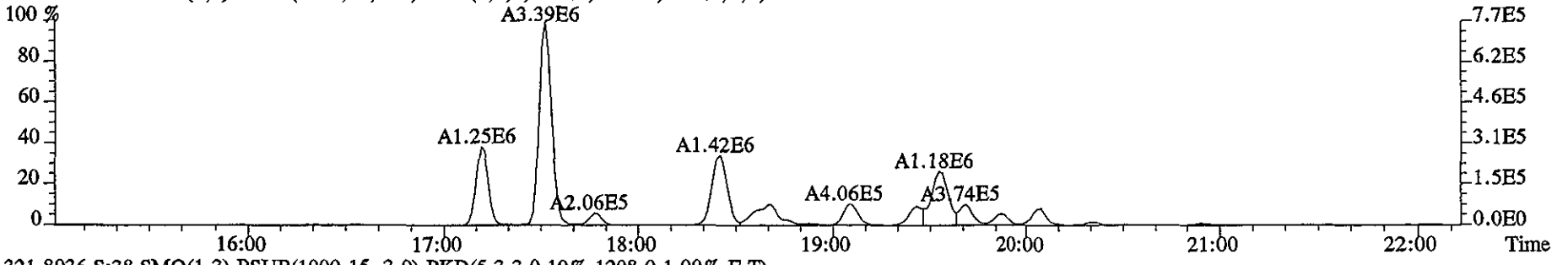


317.9389 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3376.0,1.00%,F,T)

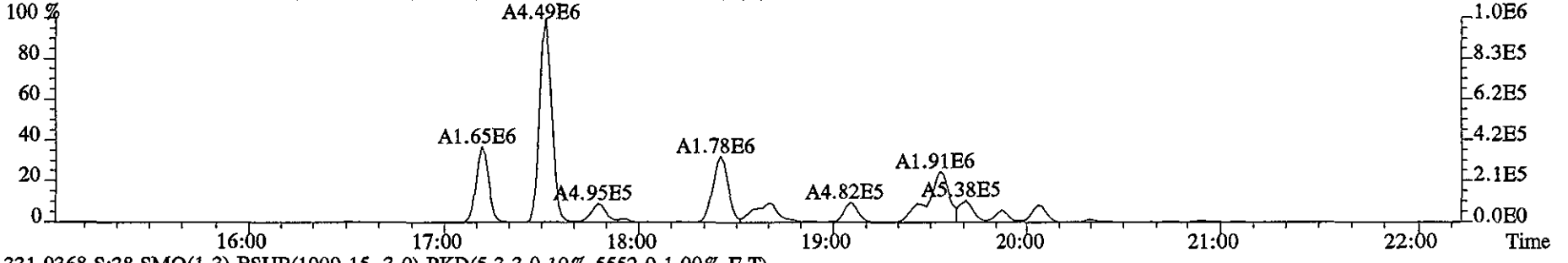


File:07MY104D5 #1-435 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

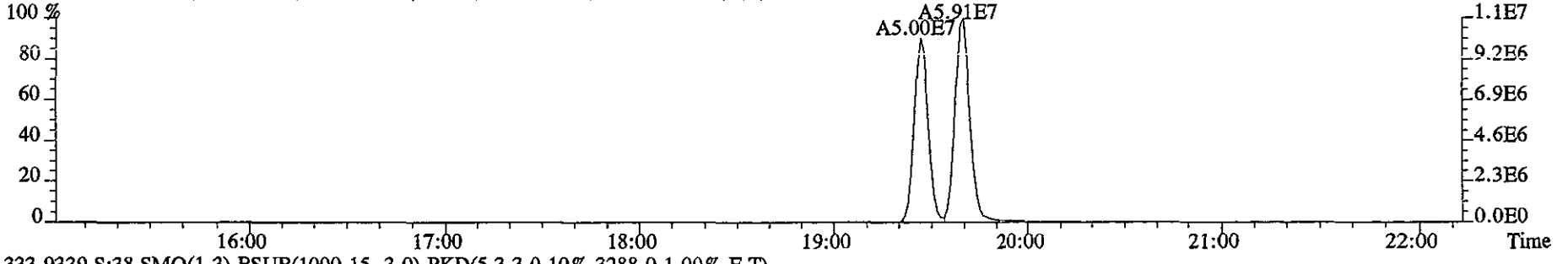
319.8965 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1004.0,1.00%,F,T)



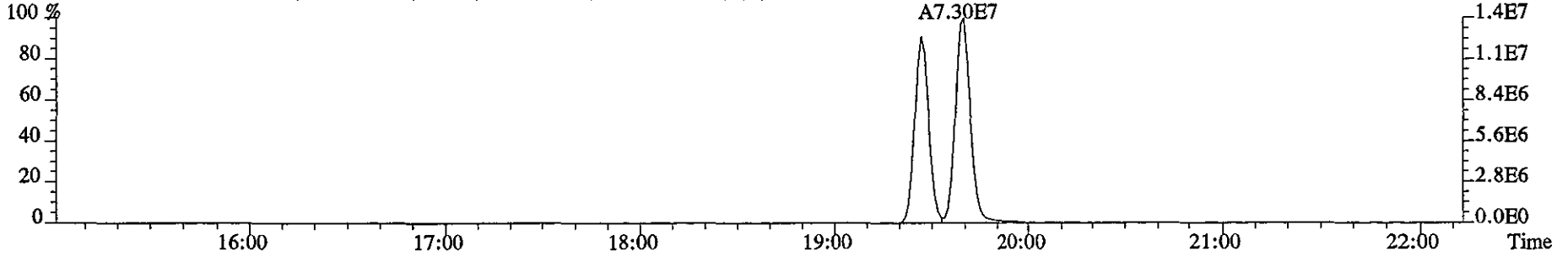
321.8936 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1208.0,1.00%,F,T)



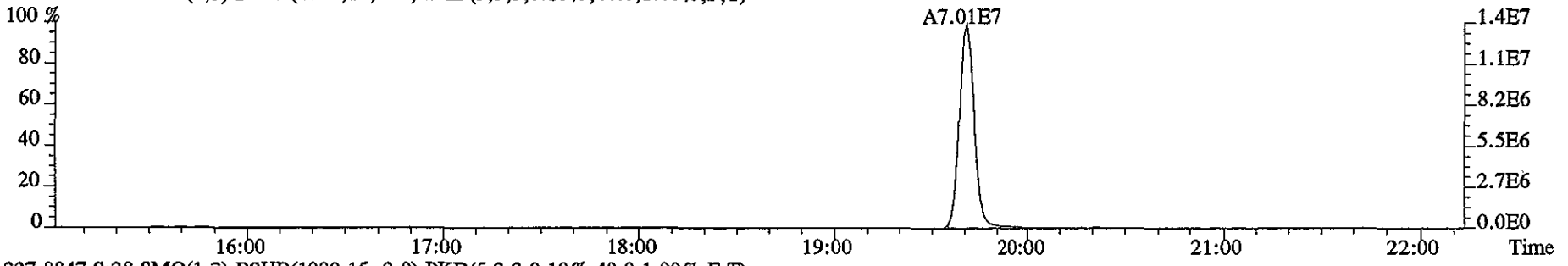
331.9368 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5552.0,1.00%,F,T)



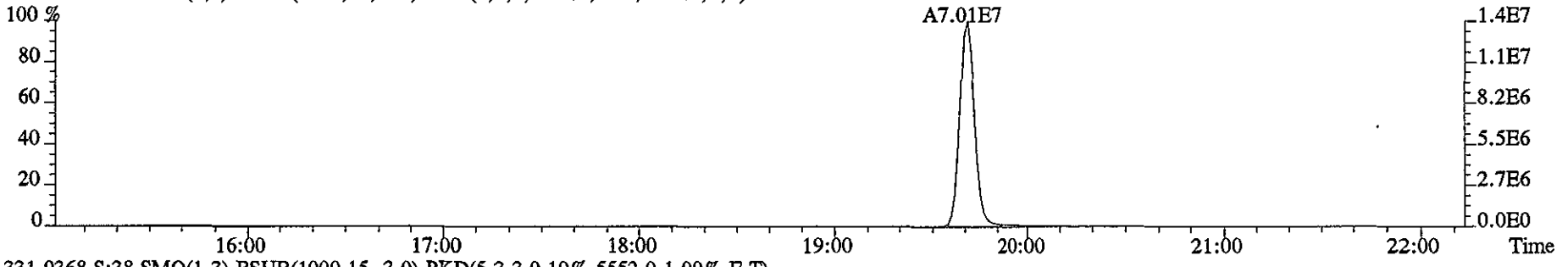
333.9339 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)



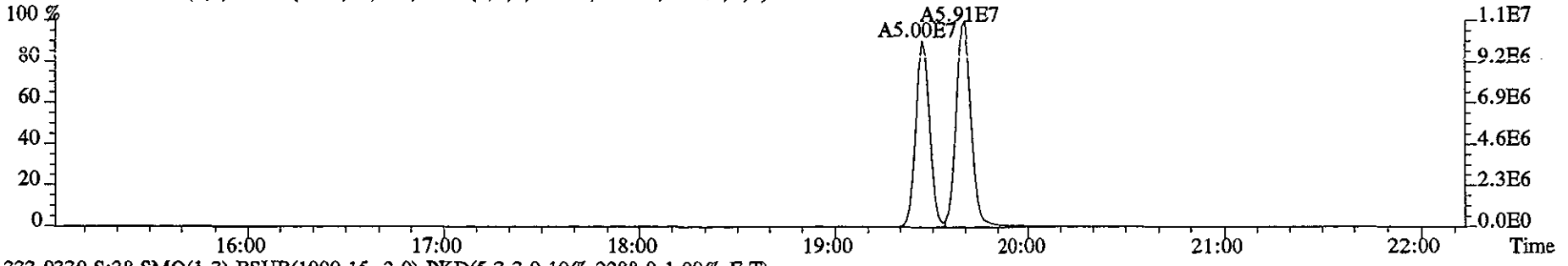
File:07MY104D5 #1-435 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A
327.8847 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



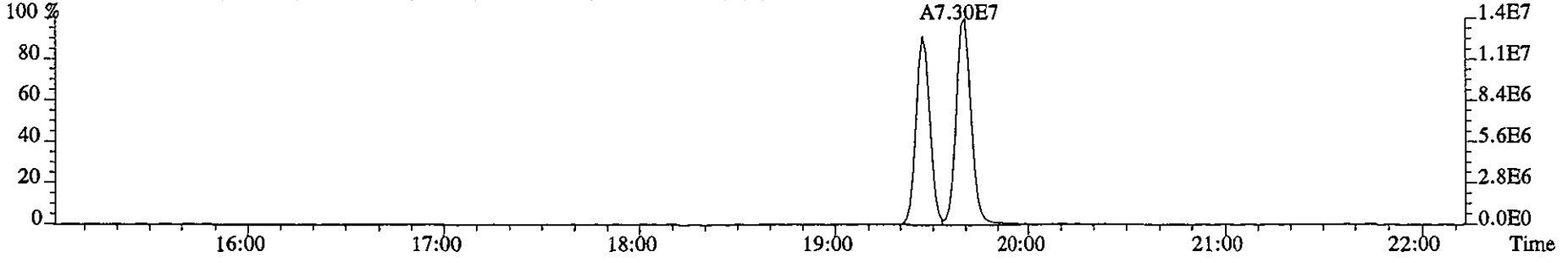
327.8847 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



331.9368 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5552.0,1.00%,F,T)

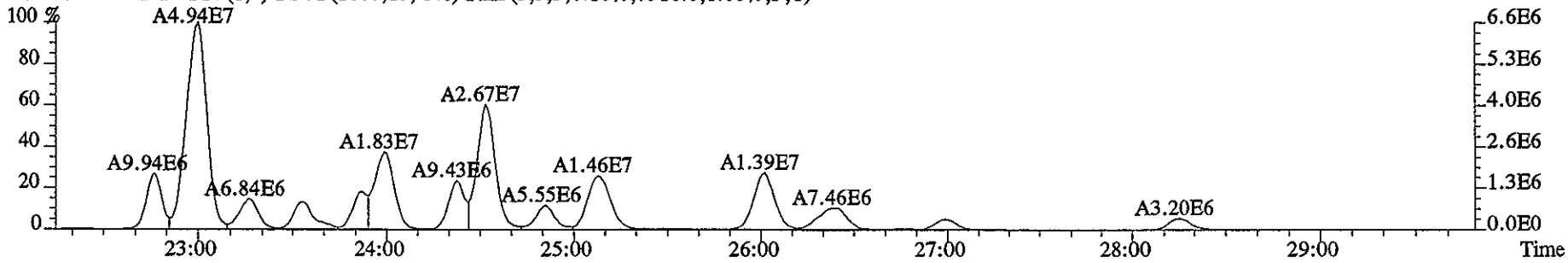


333.9339 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)

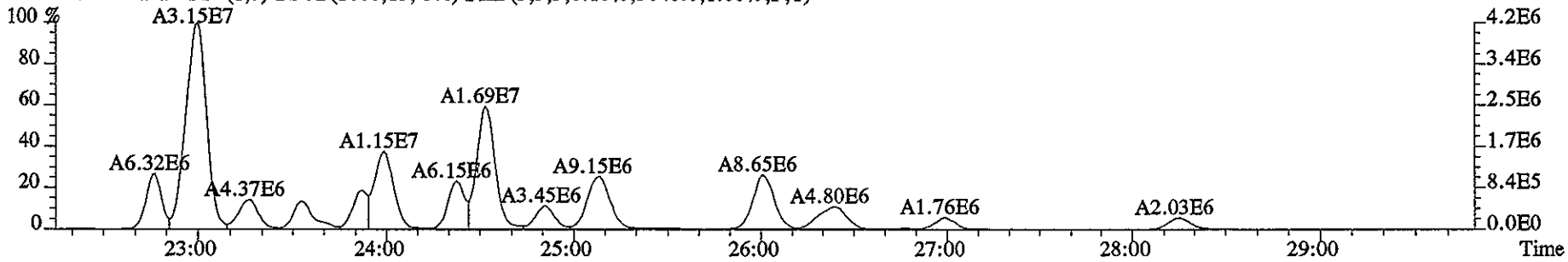


File:07MY104D5 #1-604 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

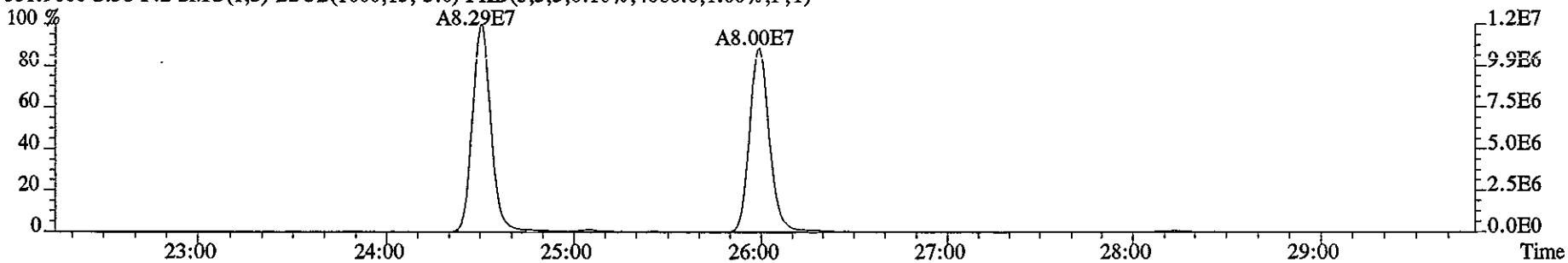
339.8597 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7916.0,1.00%,F,T)



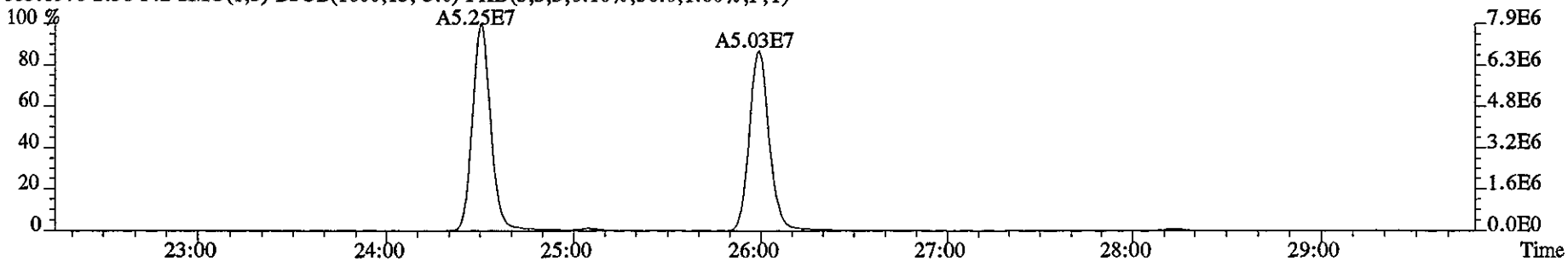
341.8567 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5048.0,1.00%,F,T)



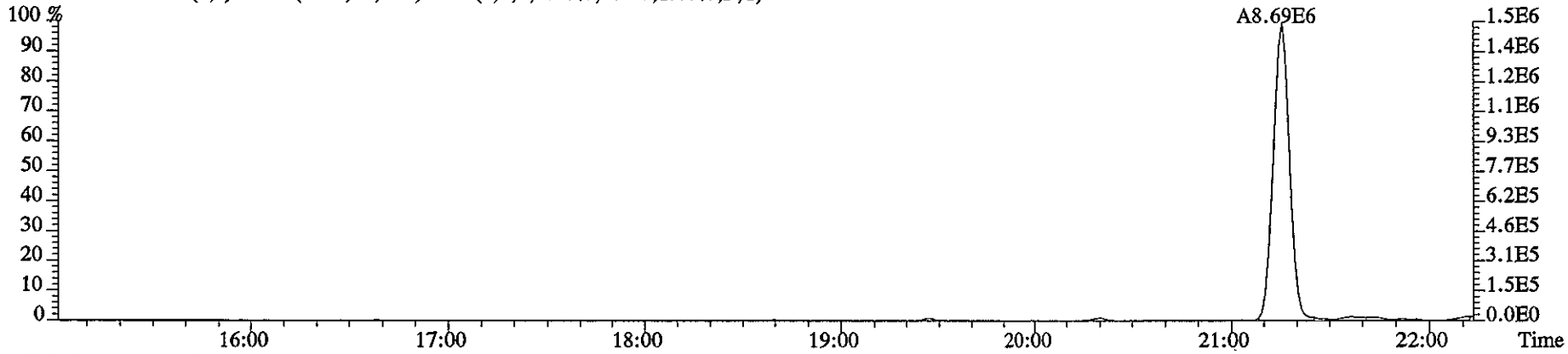
351.9000 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4080.0,1.00%,F,T)



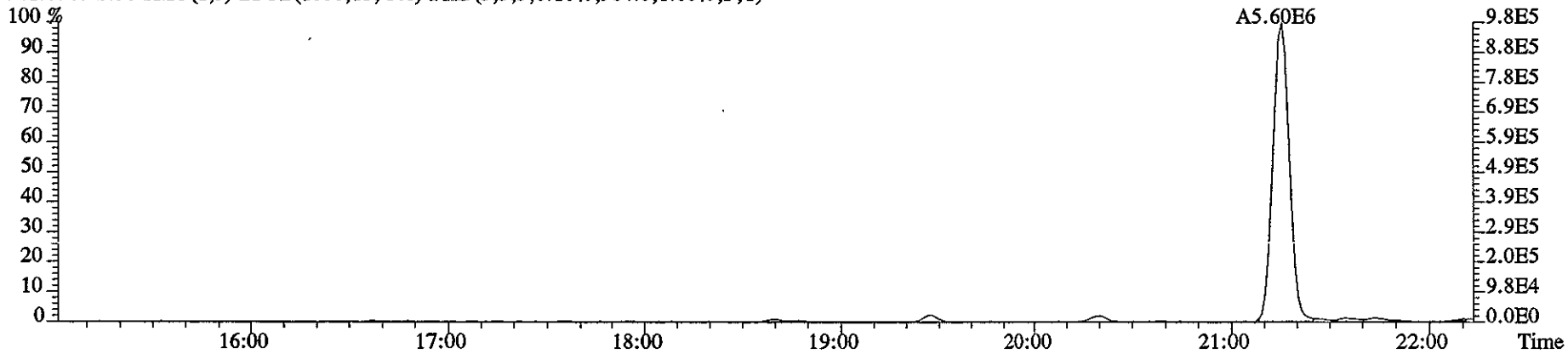
353.8970 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



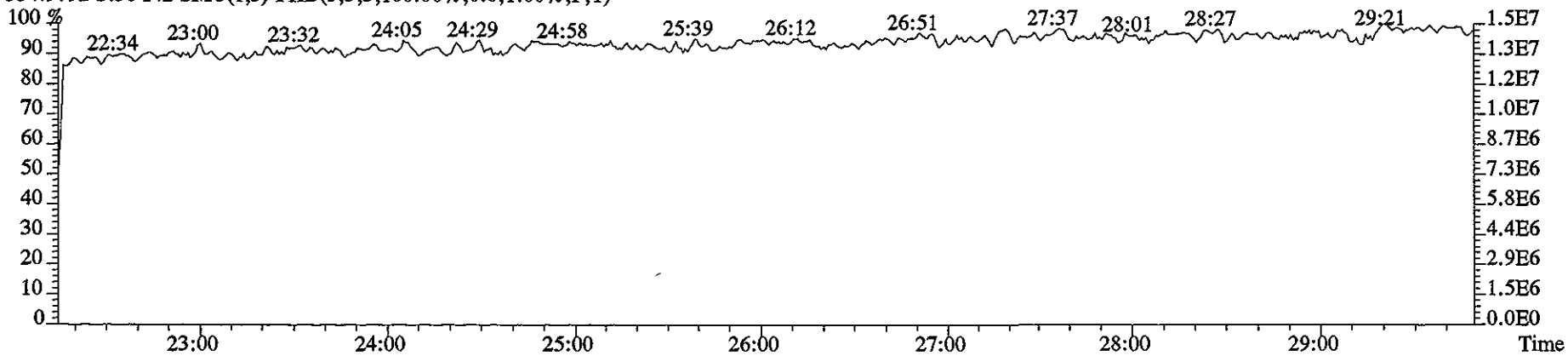
File:07MY104D5 #1-435 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A
339.8597 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,380.0,1.00%,F,T)



341.8567 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)

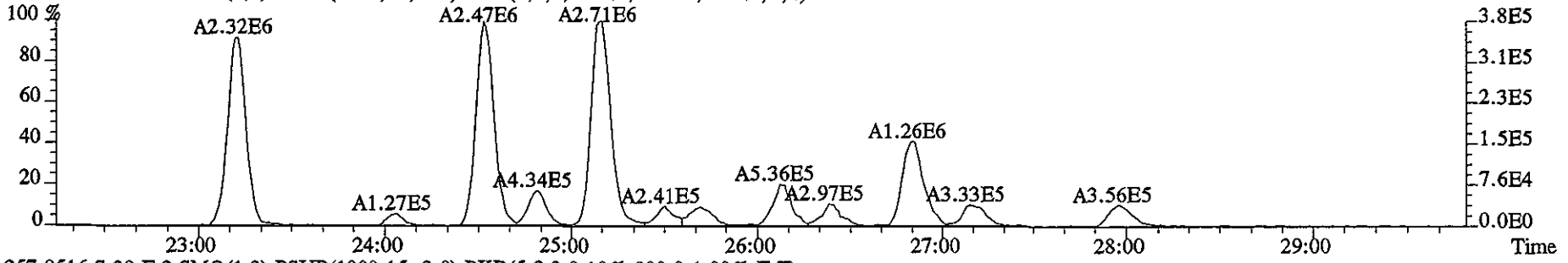


354.9792 S:38 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

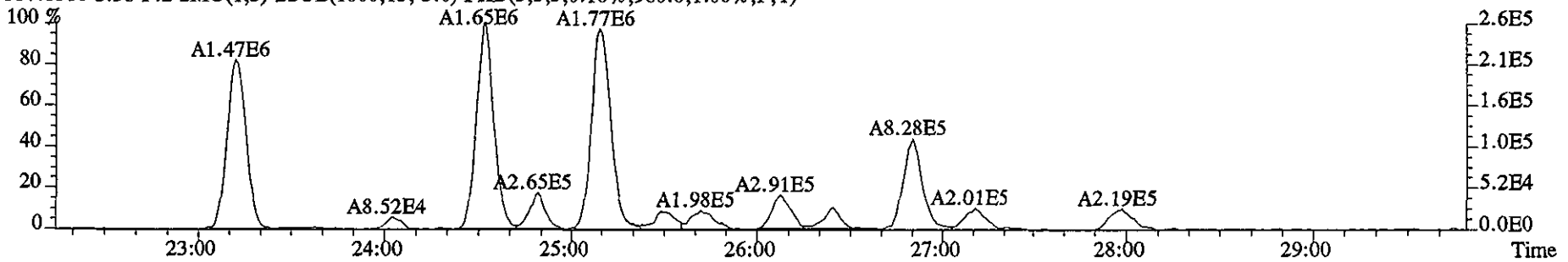


File:07MY104D5 #1-604 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

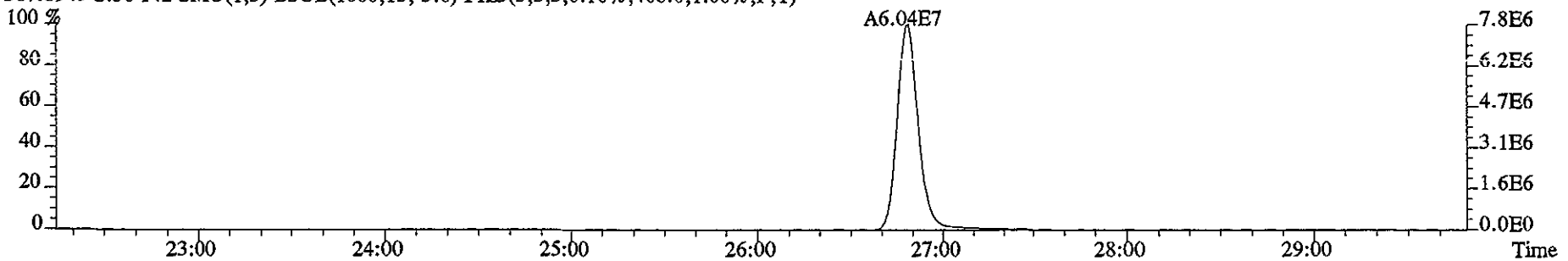
355.8546 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1260.0,1.00%,F,T)



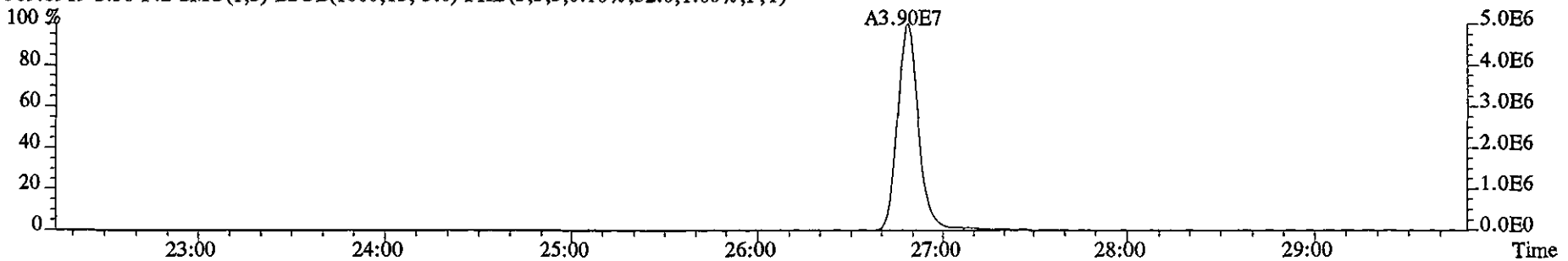
357.8516 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,980.0,1.00%,F,T)



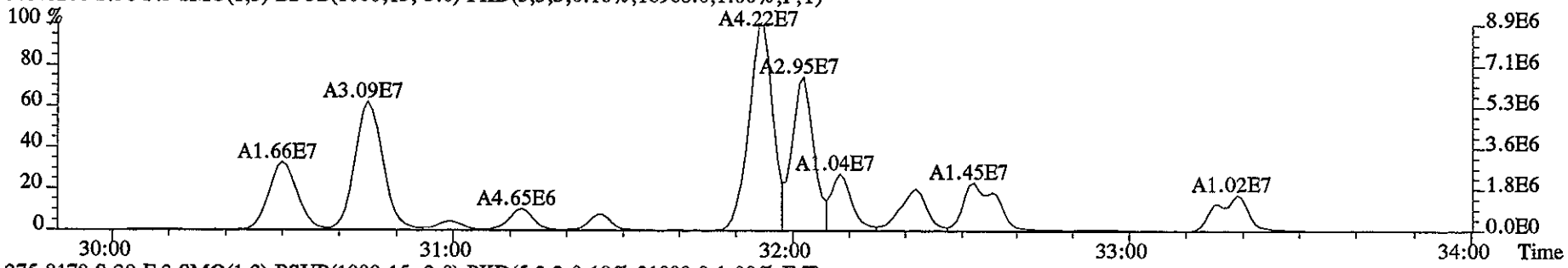
367.8949 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,408.0,1.00%,F,T)

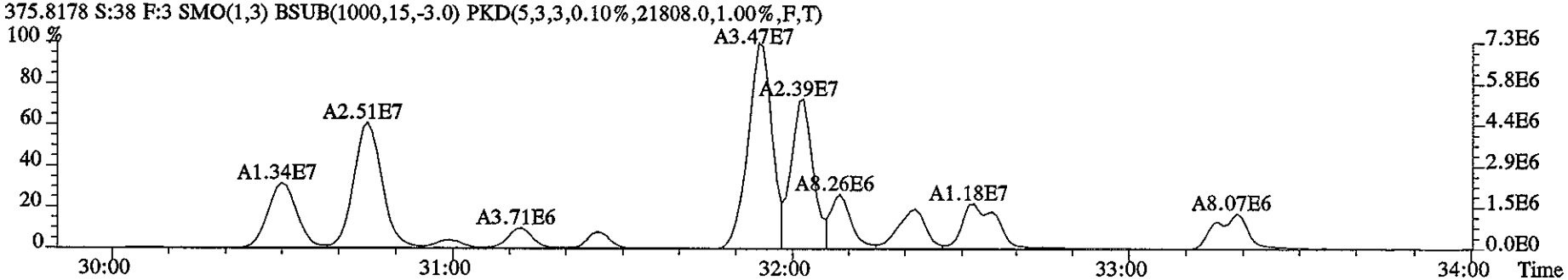


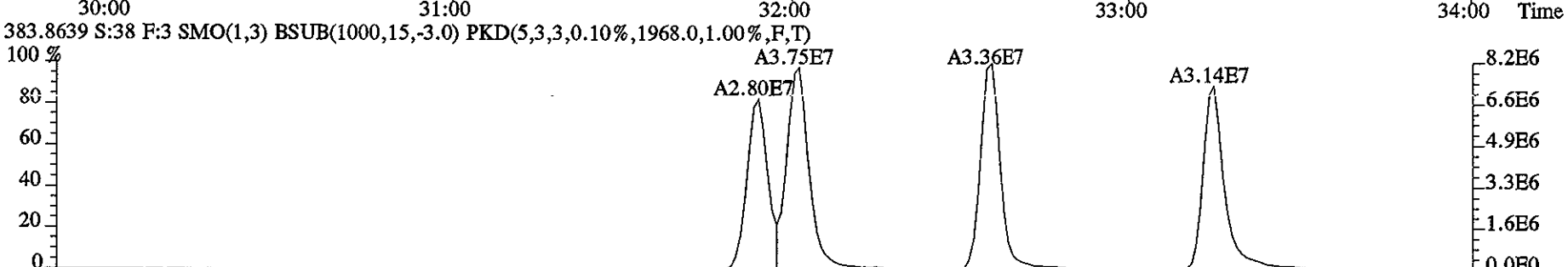
369.8919 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)

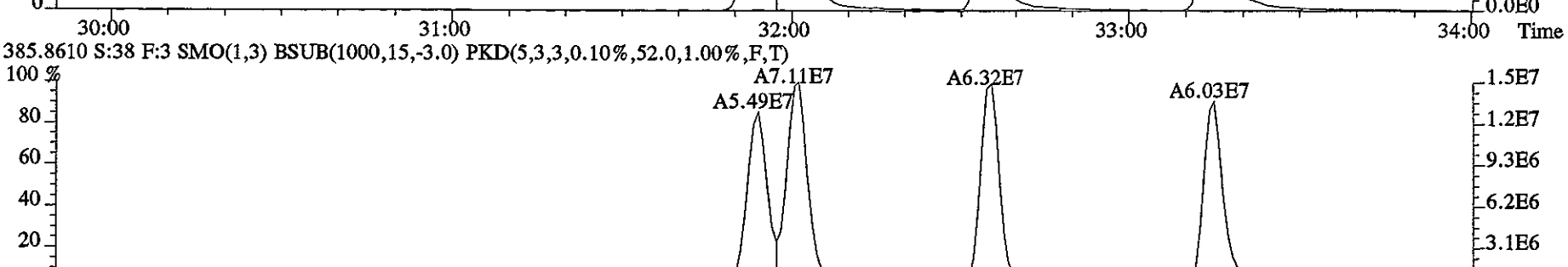


File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

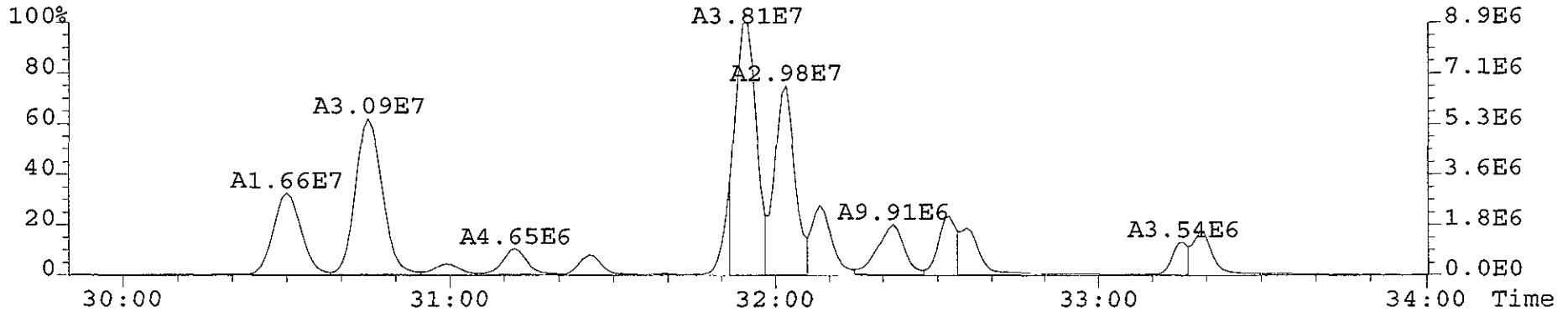


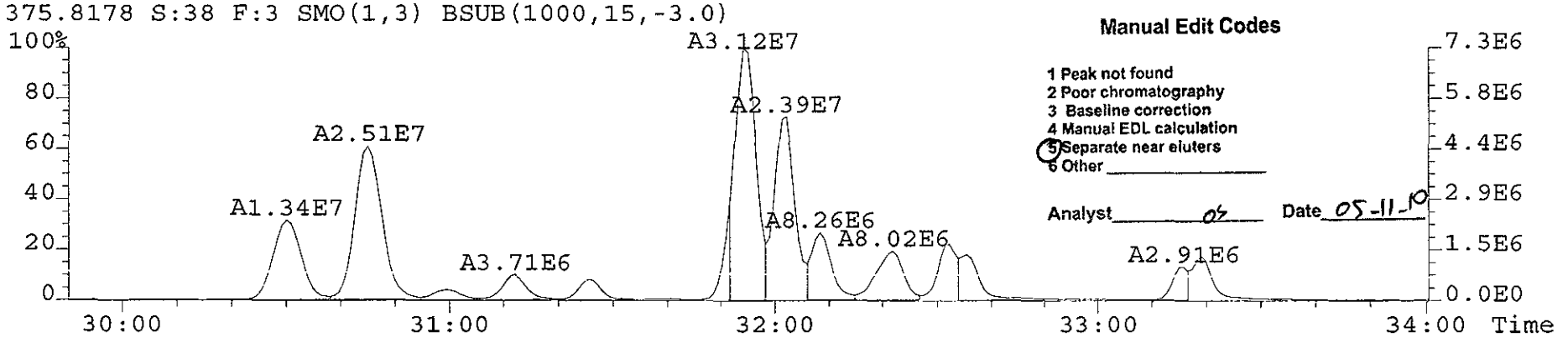






File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

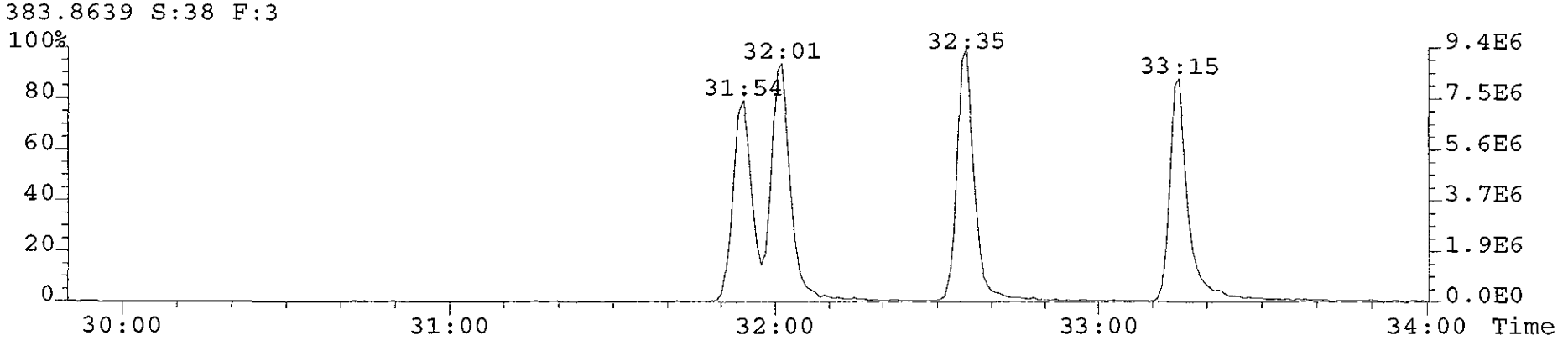




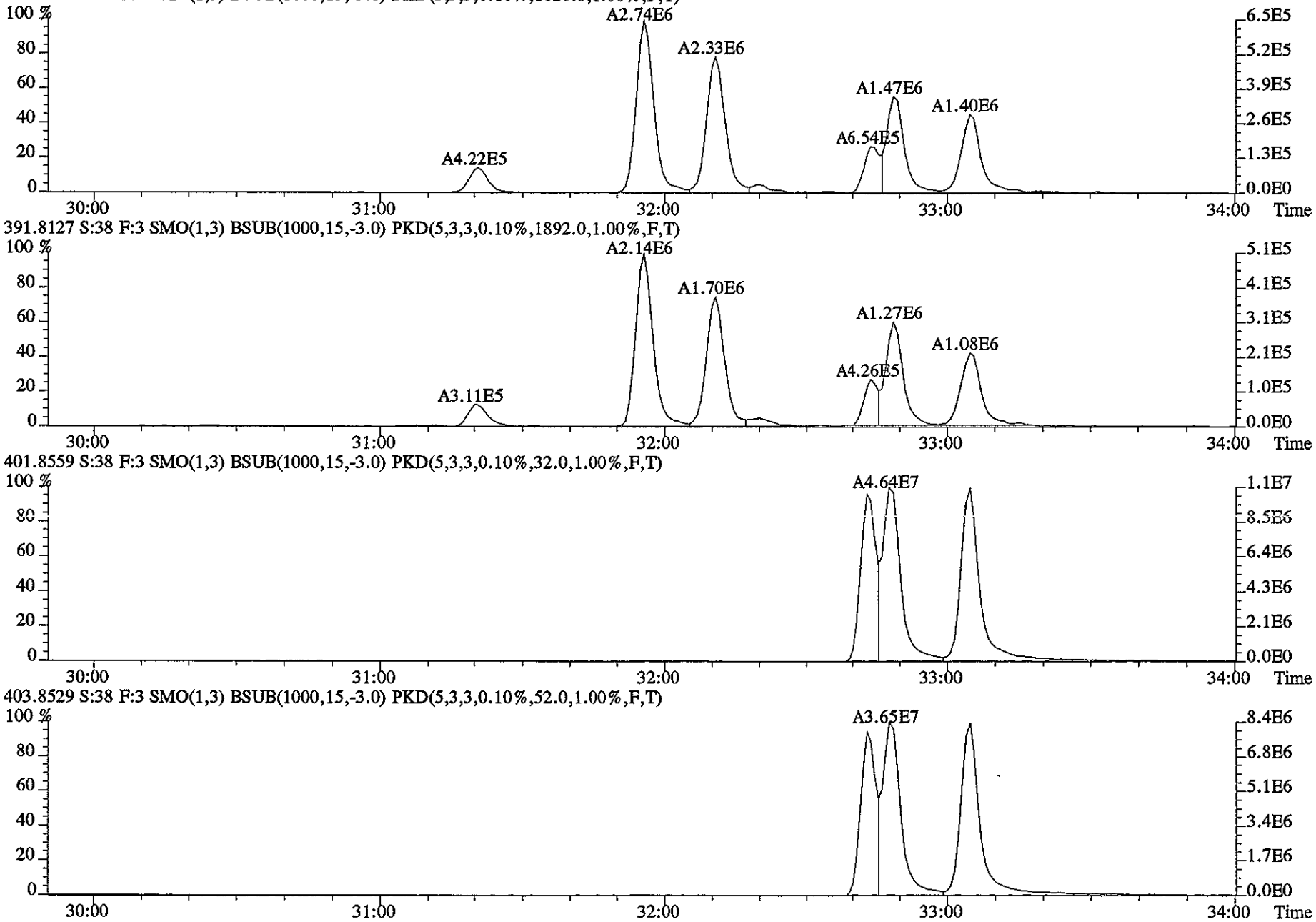
Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

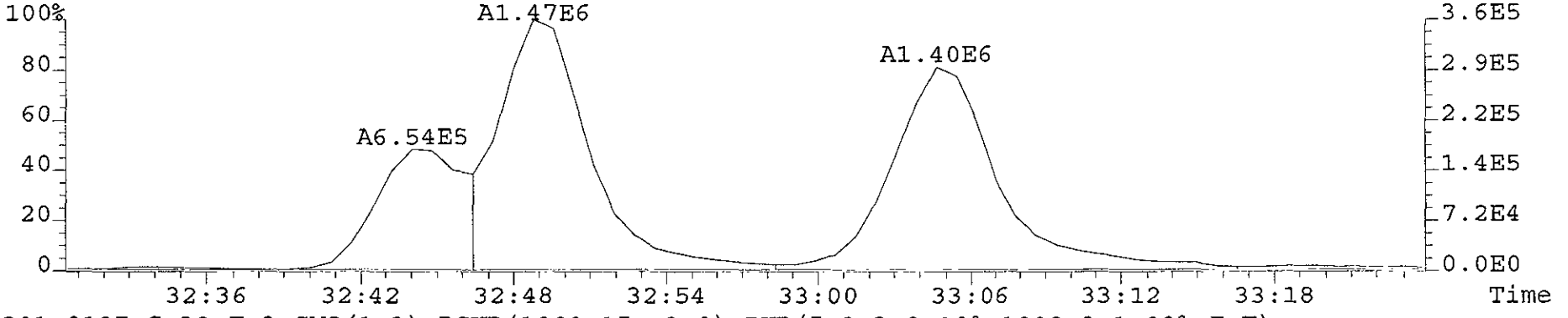
Analyst DS Date 05-11-10



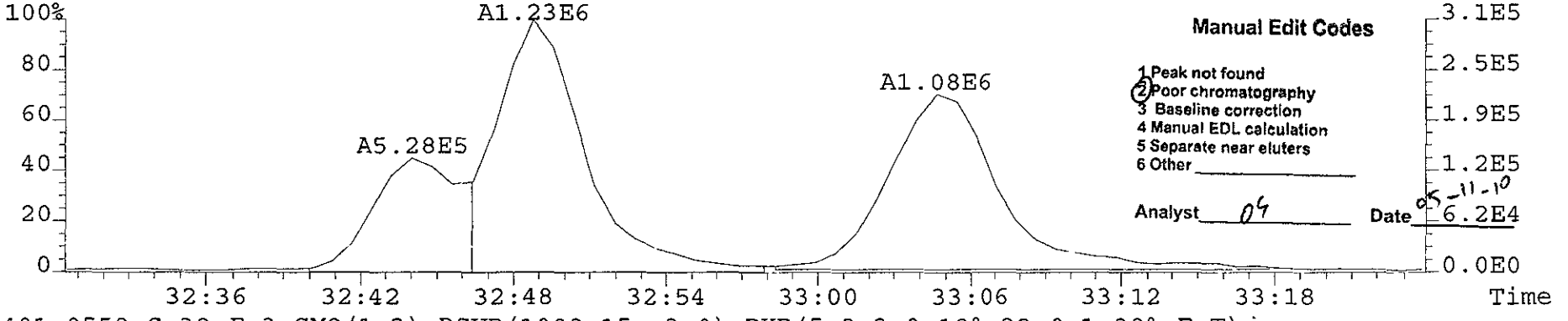
File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A



File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A
389.8157 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1620.0,1.00%,F,T)



391.8127 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)

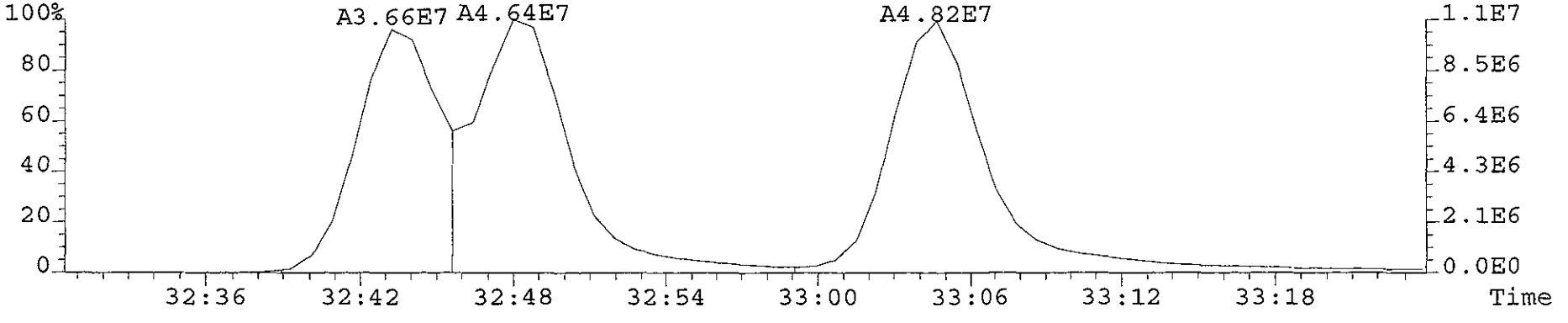


Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

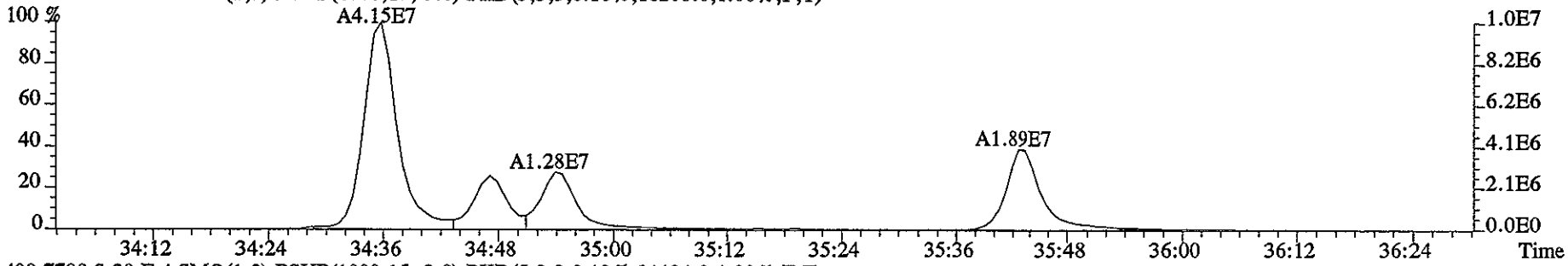
Analyst 04 Date 05-11-10

401.8559 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32.0,1.00%,F,T)

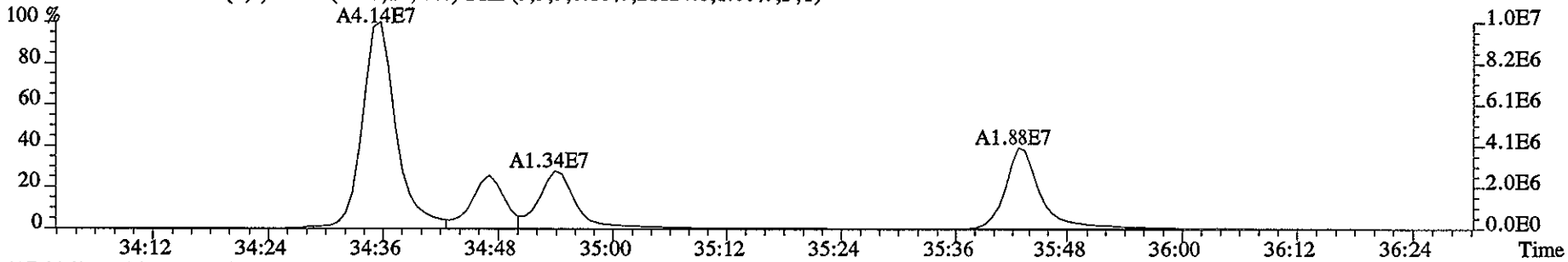


File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

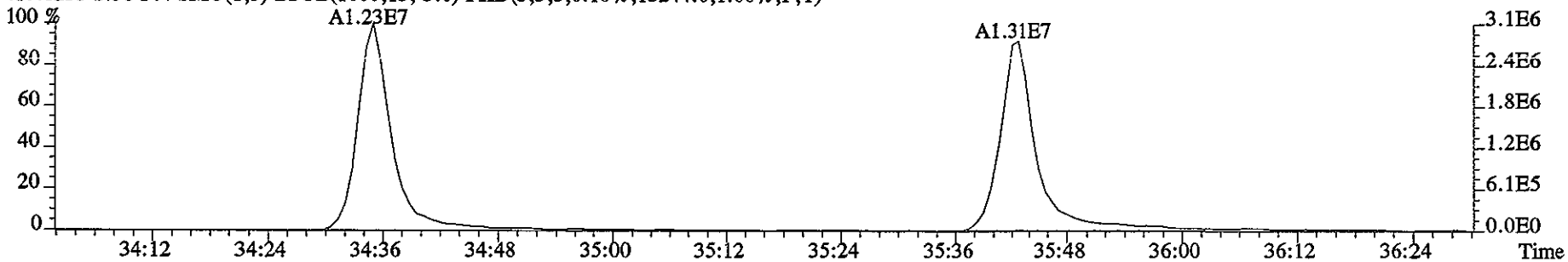
407.7818 S:38 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18208.0,1.00%,F,T)



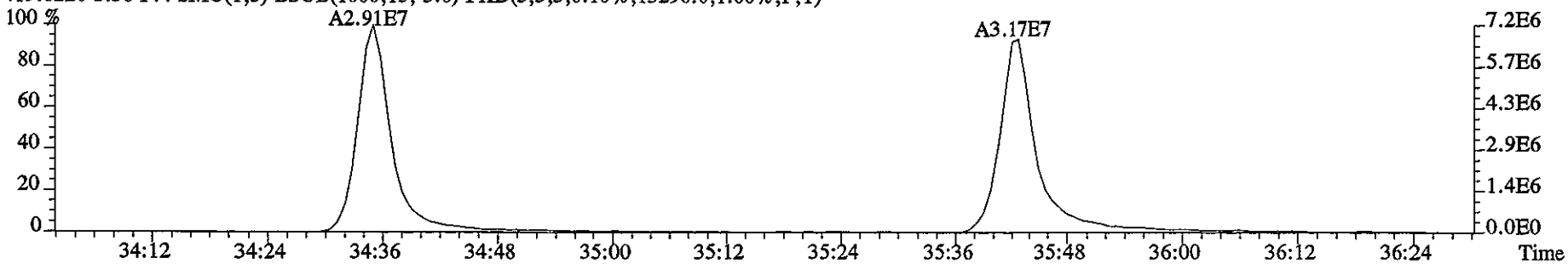
409.7789 S:38 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21124.0,1.00%,F,T)



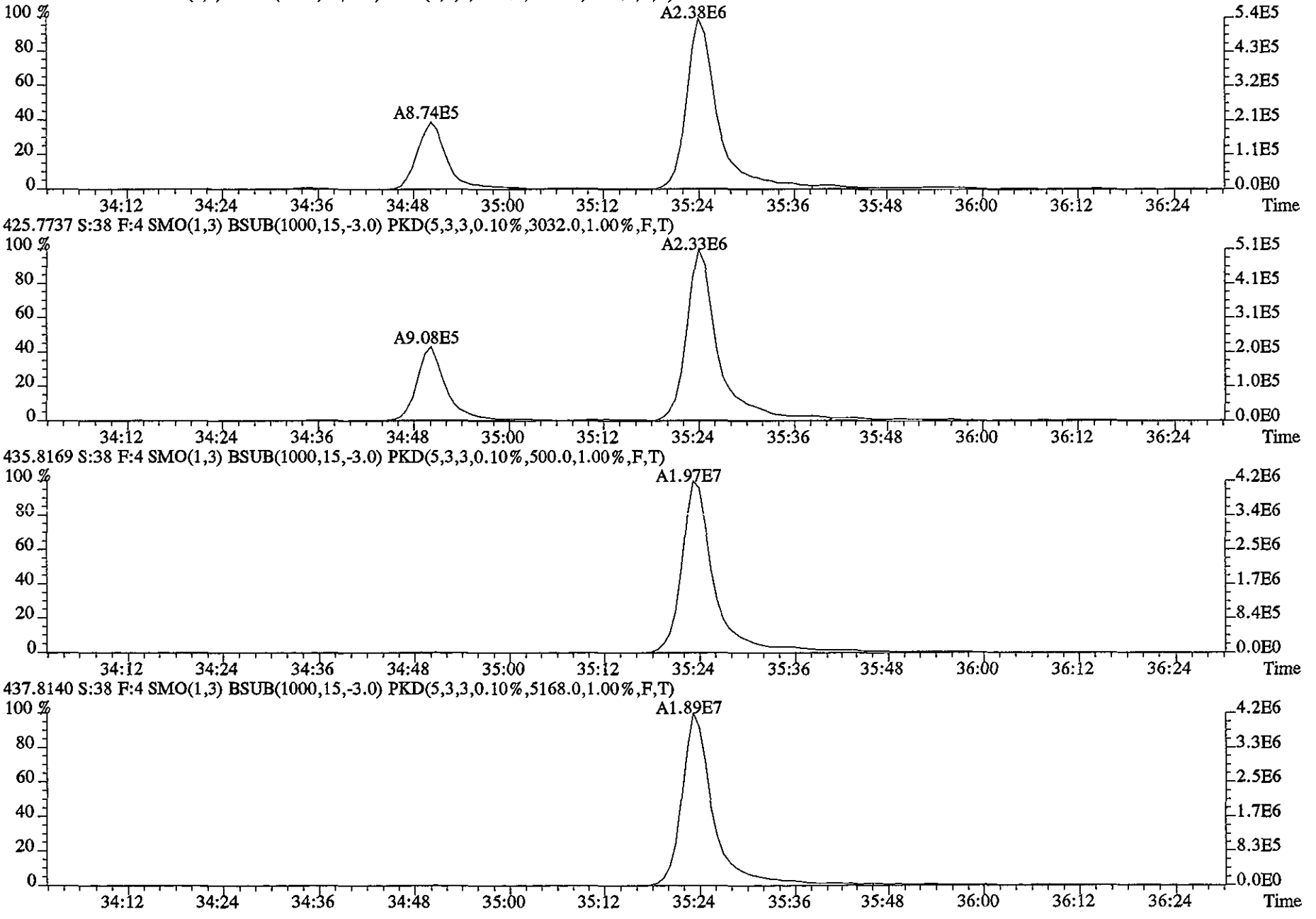
417.8253 S:38 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15244.0,1.00%,F,T)



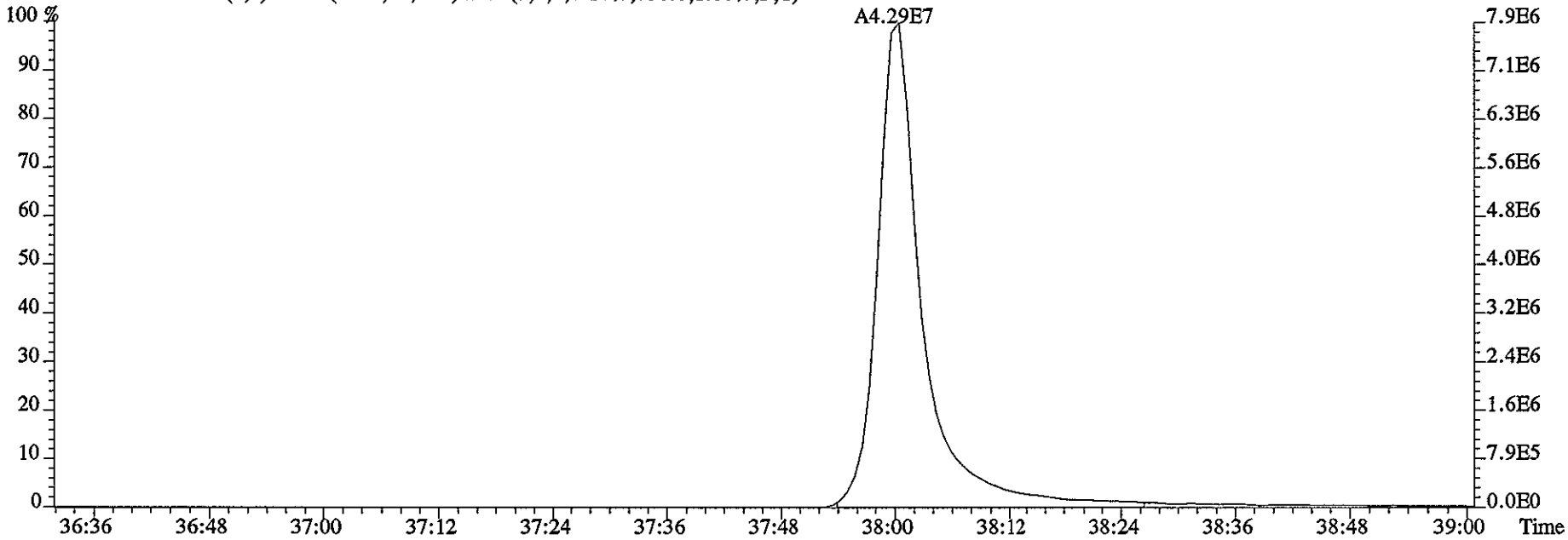
419.8220 S:38 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13296.0,1.00%,F,T)



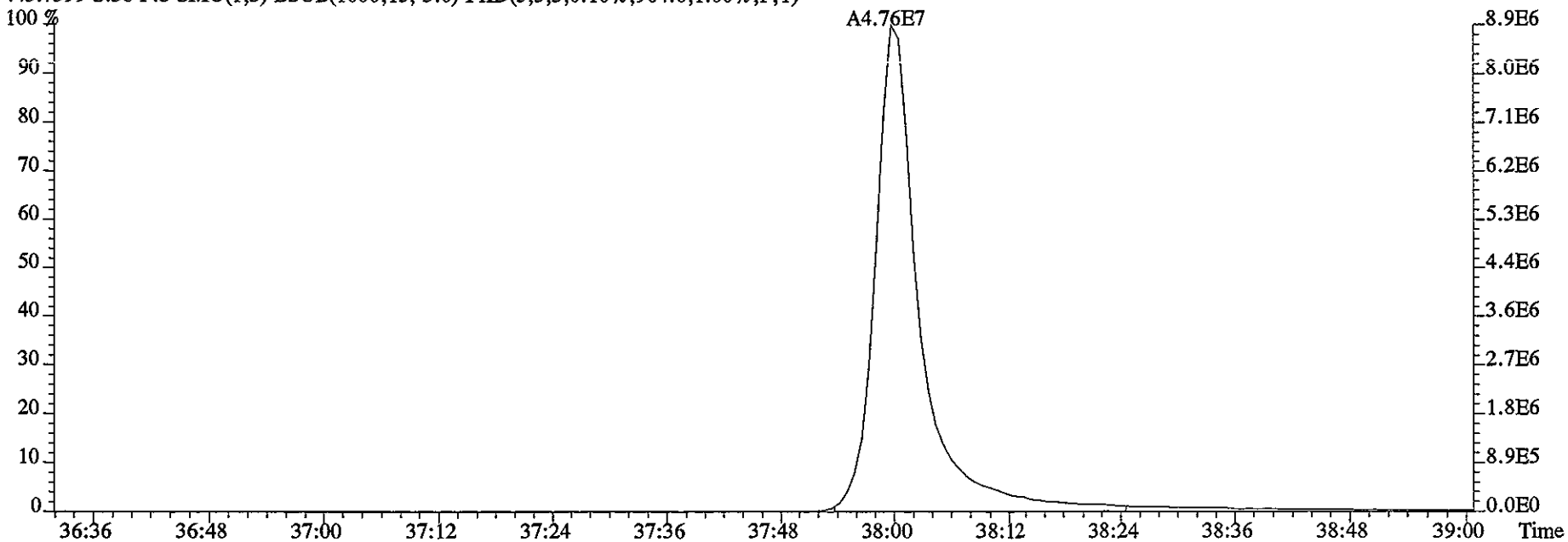
File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A



File:07MY104D5 #1-191 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A
441.7428 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,756.0,1.00%,F,T)

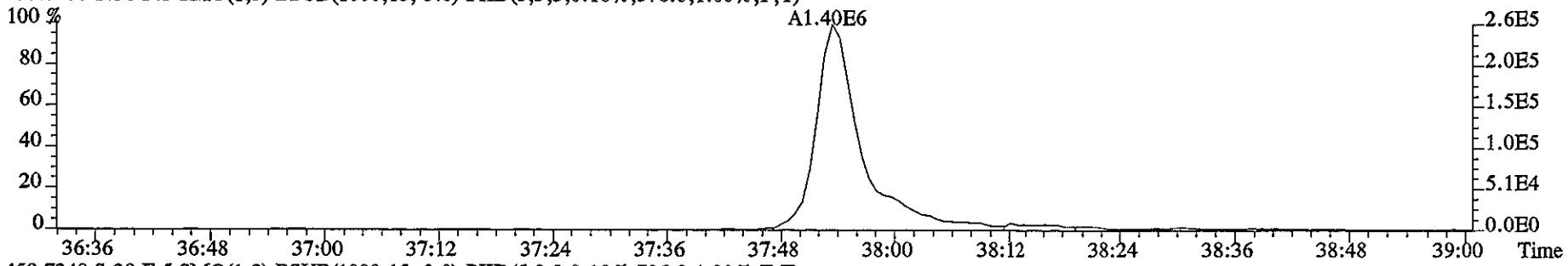


443.7399 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)

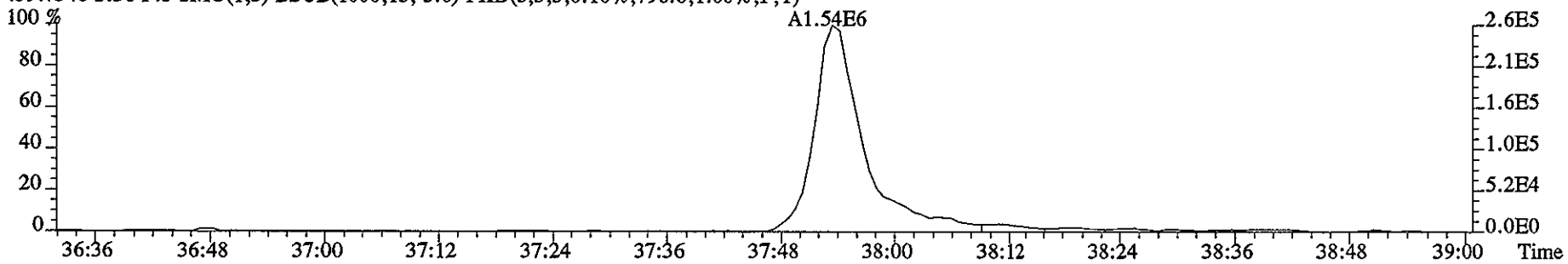


File:07MY104D5 #1-191 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

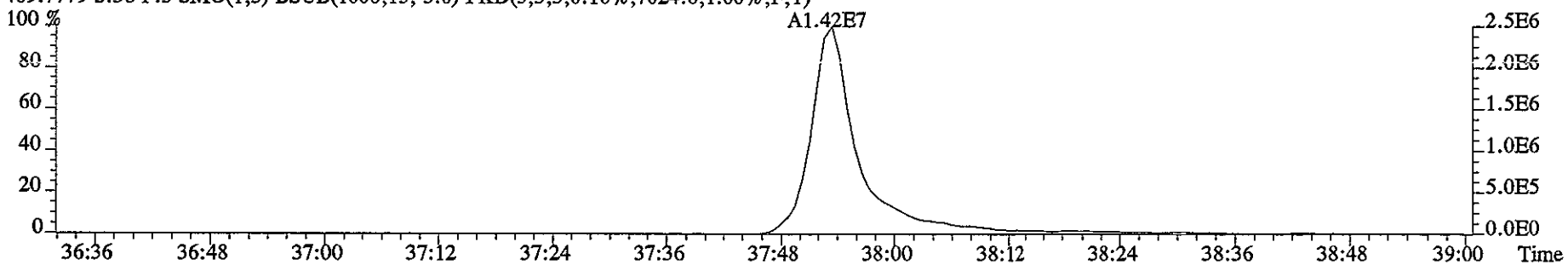
457.7377 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,576.0,1.00%,F,T)



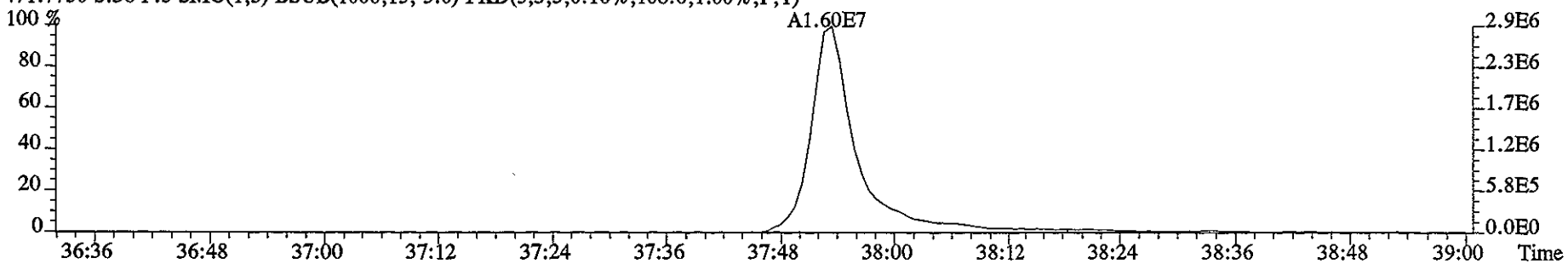
459.7348 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,796.0,1.00%,F,T)



469.7779 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7024.0,1.00%,F,T)

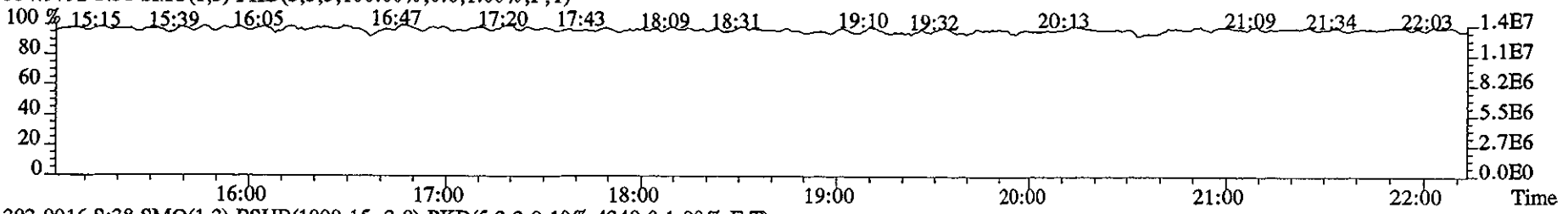


471.7750 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)

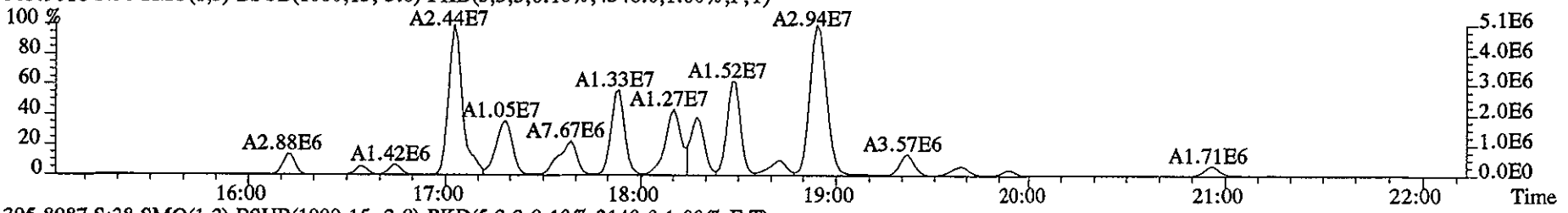


File:07MY104D5 #1-435 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

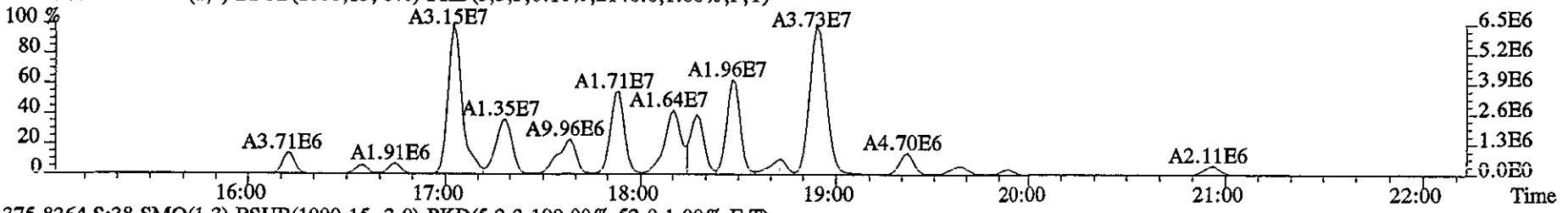
354.9792 S:38 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



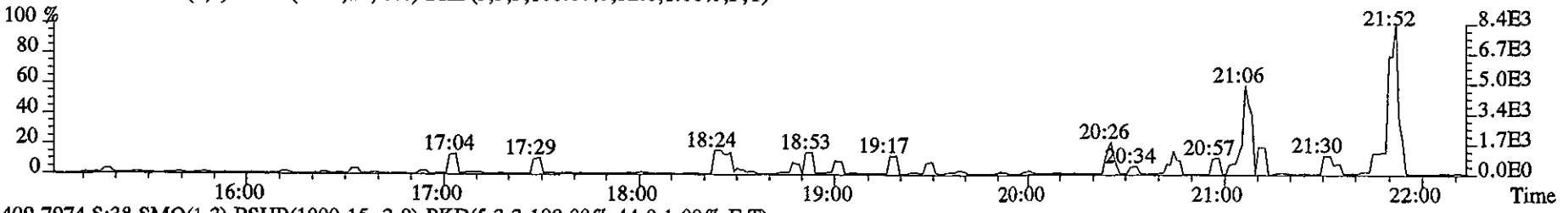
303.9016 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4348.0,1.00%,F,T)



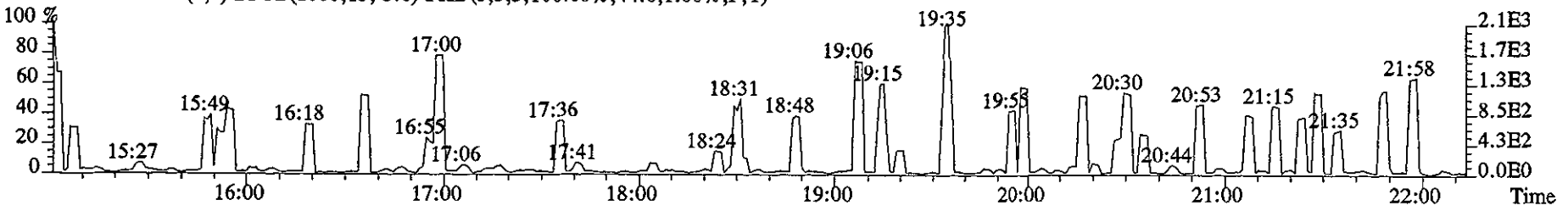
305.8987 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2140.0,1.00%,F,T)



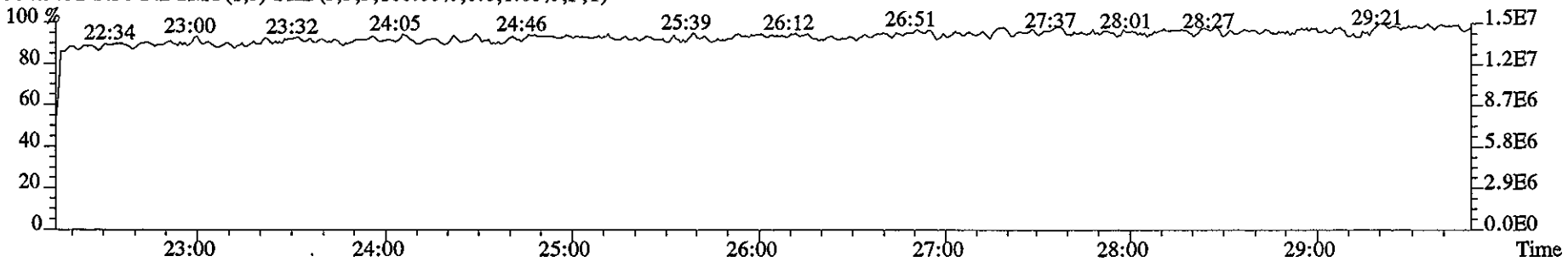
375.8364 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



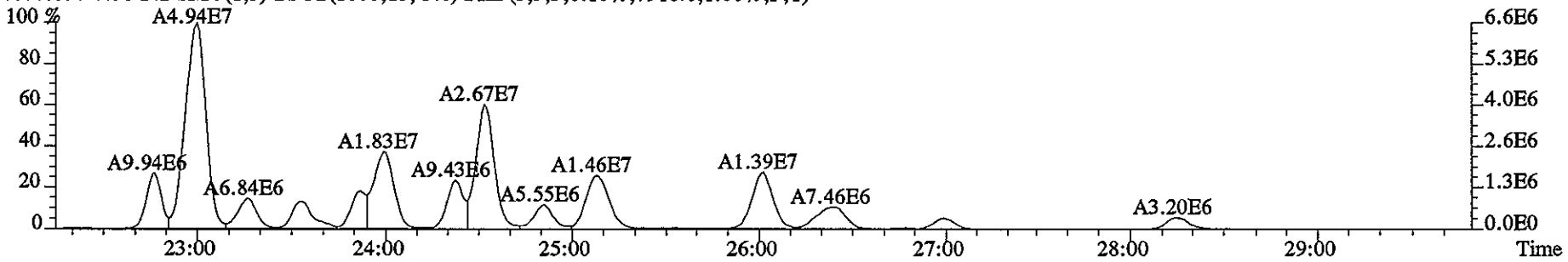
409.7974 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,44.0,1.00%,F,T)



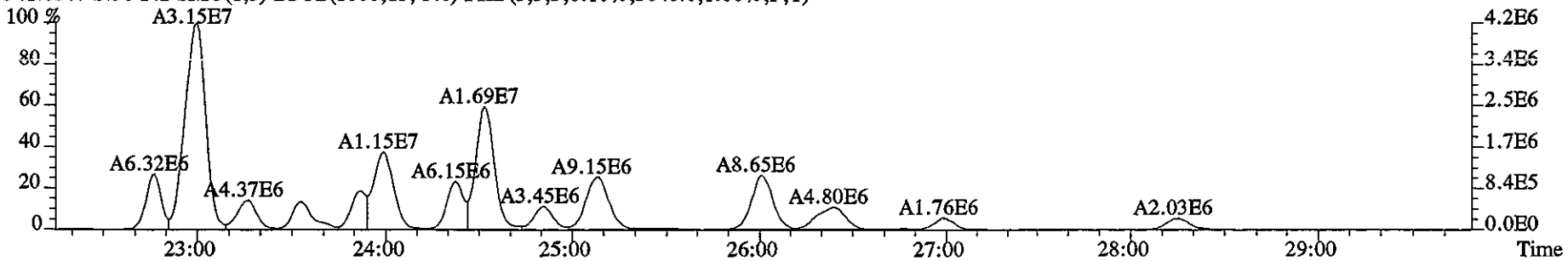
File:07MY104D5 #1-604 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A
354.9792 S:38 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



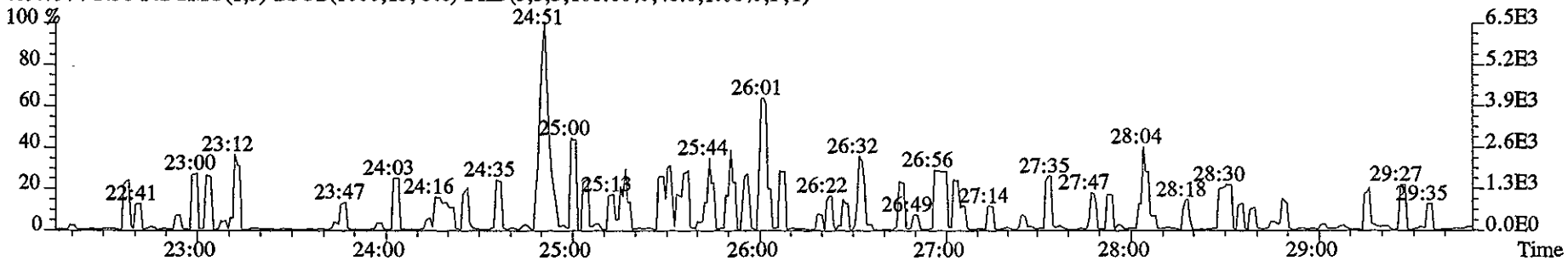
339.8597 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7916.0,1.00%,F,T)



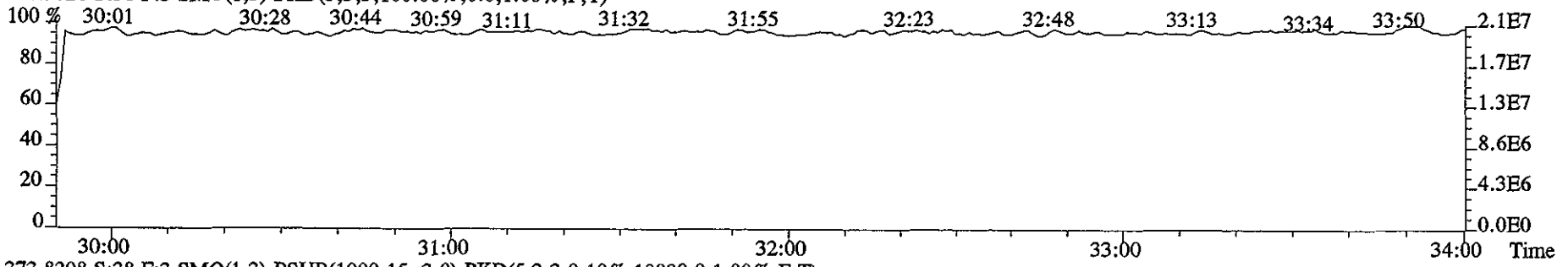
341.8567 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5048.0,1.00%,F,T)

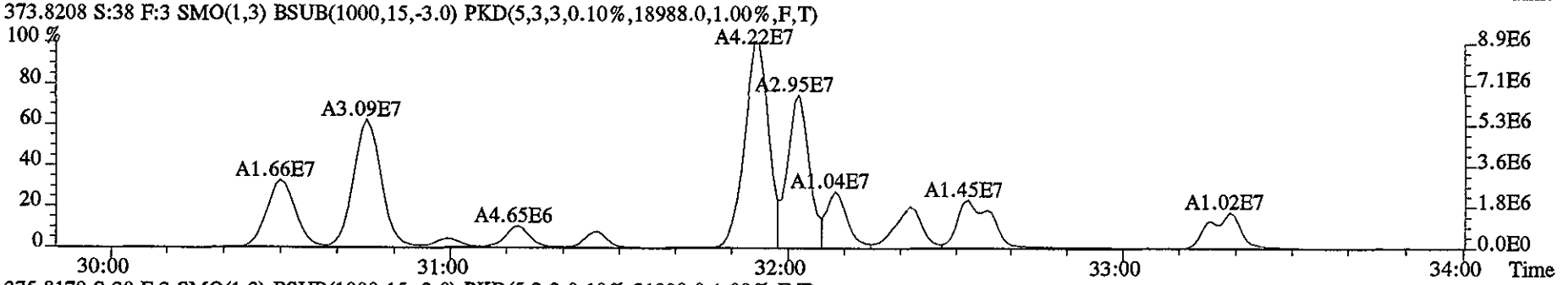


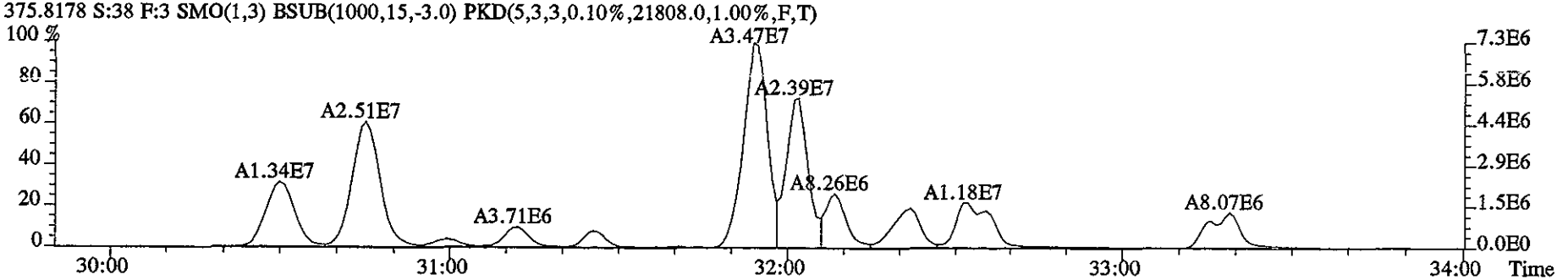
409.7974 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,48.0,1.00%,F,T)

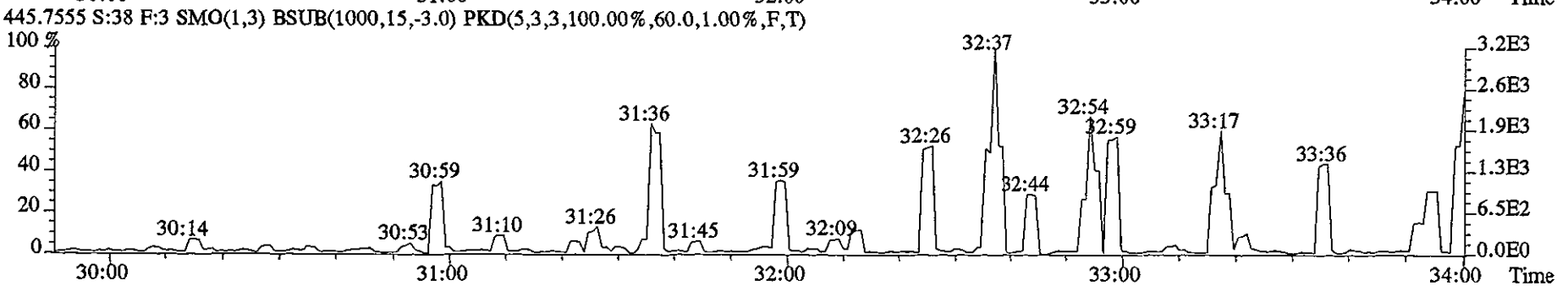


File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

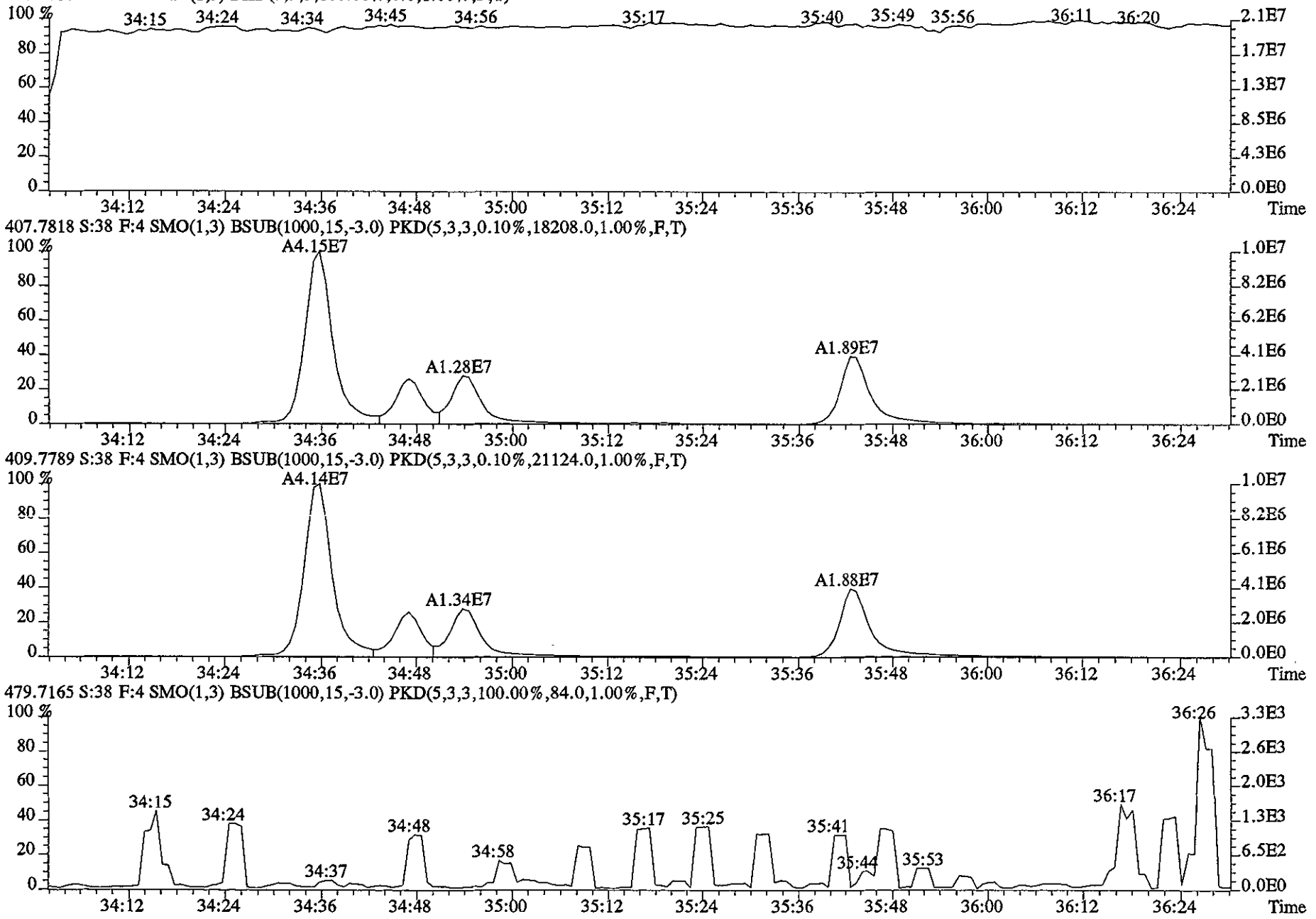






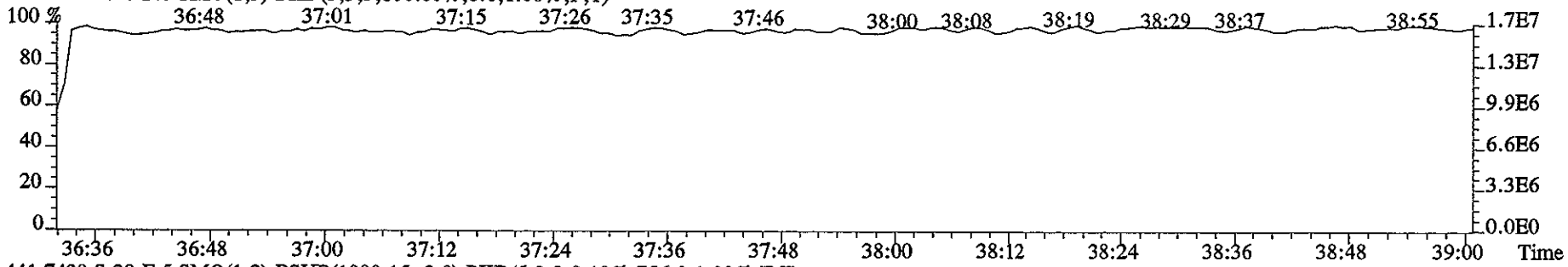


File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

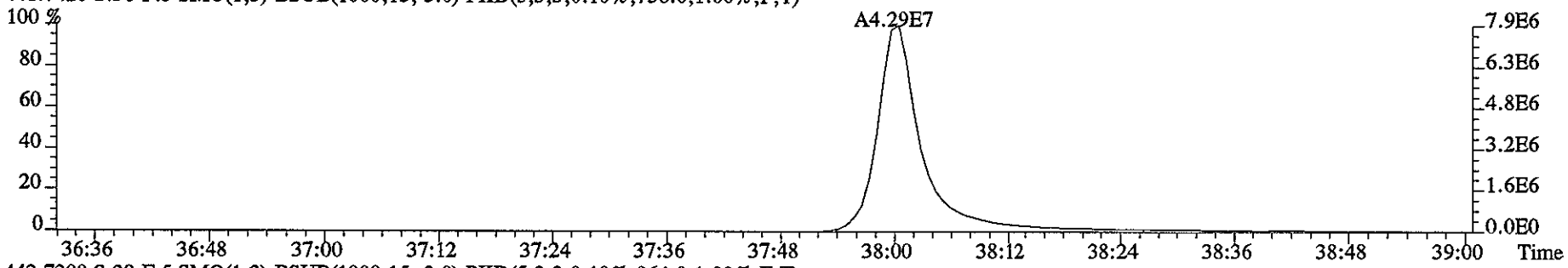


File:07MY104D5 #1-191 Acq: 8-MAY-2010 13:55:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#38 Text:LX5XK-1-AC :G0D170485-1 Exp:DIOXINRES8290A

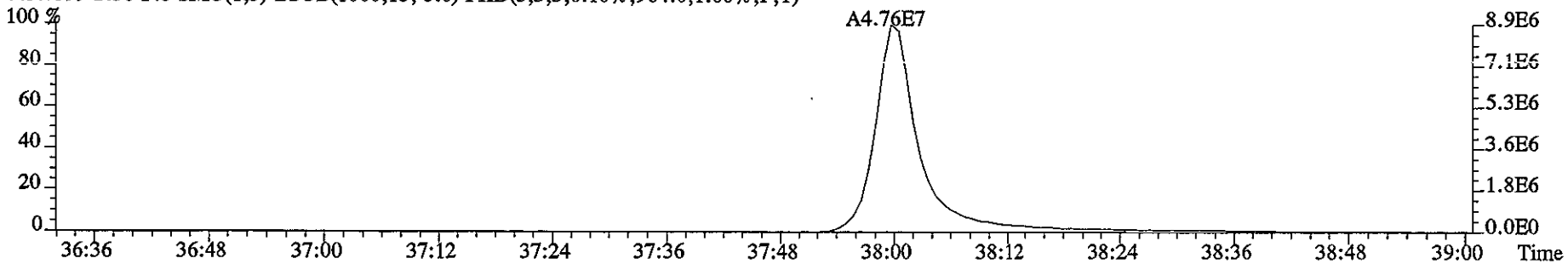
442.9728 S:38 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



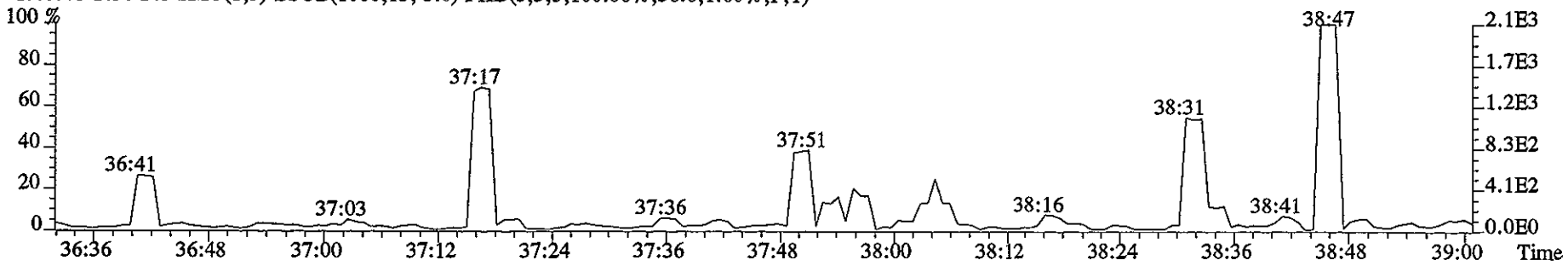
441.7428 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,756.0,1.00%,F,T)



443.7399 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)



513.6775 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,56.0,1.00%,F,T)

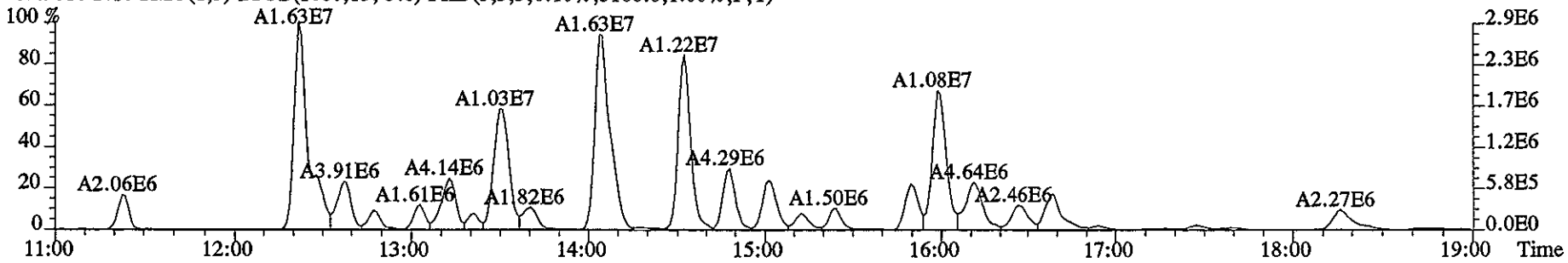


Run text: LX5XK-1-AC Sample text: LX5XK-1-AC :G0D170485-1
Run #12 Filename: 10MY105D2 S: 10 I: 1 Results: 10MY105D2DB225
Acquired: 10-MAY-10 14:15:57 Processed: 10-MAY-10 15:25:23
Run: 10MY105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0900 g

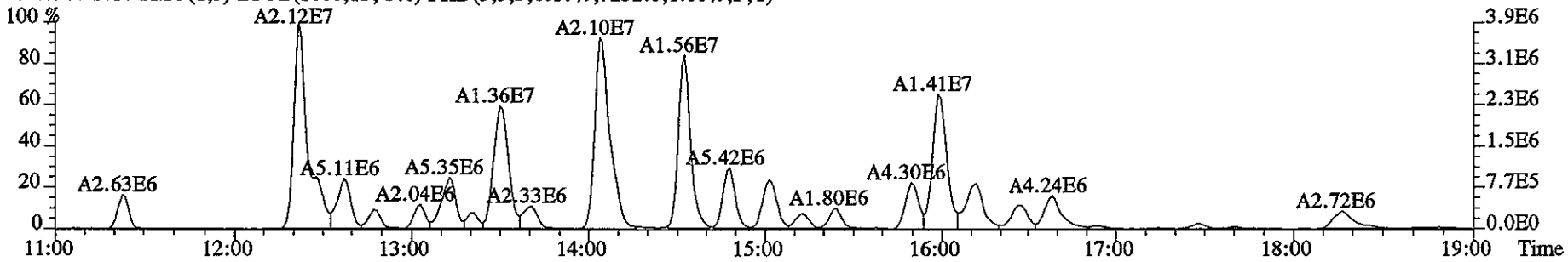
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	62961200	0.77	y	14:48	-	6.27	-	-	n
13C-2,3,7,8-TCDF	150274200	0.79	y	15:58	2.11	112.31	0.26	56.7	n
2,3,7,8-TCDF	24896200	0.76	y	15:59	1.09	30.17	0.25	-	n
13C-2,3,7,8-TCDD	69611100	0.76	y	14:36	0.95	115.53	0.62	58.3	n
2,3,7,8-TCDD	1091160	0.79	y	14:37	1.36	2.29	0.25	-	n
37Cl-2,3,7,8-TCDD	71292800	1.00	y	14:37	2.28	49.26	0.13	62.1	n

05
05-11-10

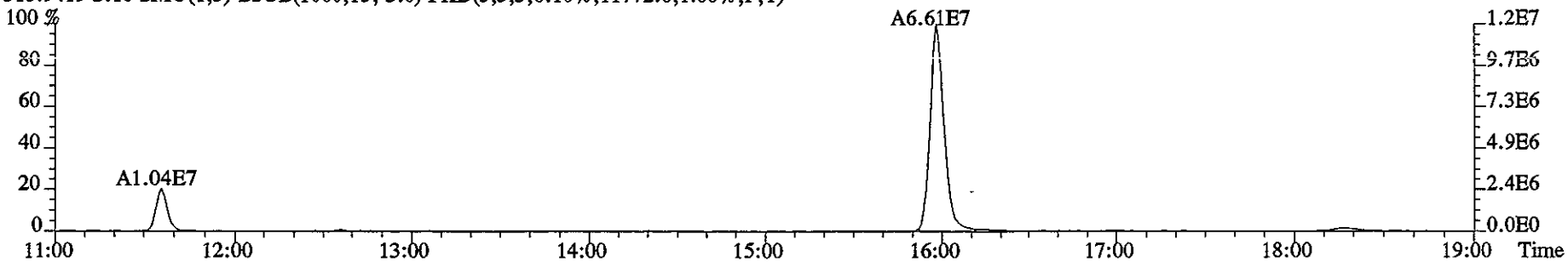
File:10MY105D2 #1-1241 Acq:10-MAY-2010 14:15:57 GC EI+ Voltage SIR 70SE
Sample#10 Text:LX5XK-1-AC :G0D170485-1 Exp:DB225RES
303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5108.0,1.00%,F,T)



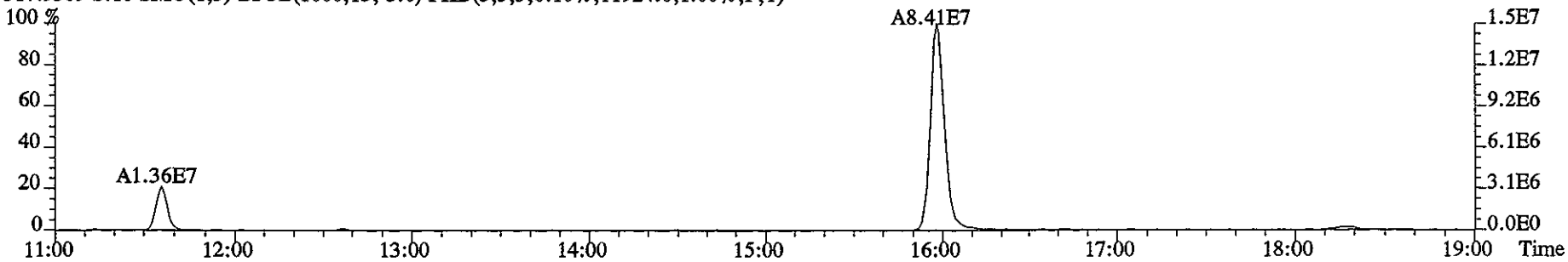
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7232.0,1.00%,F,T)



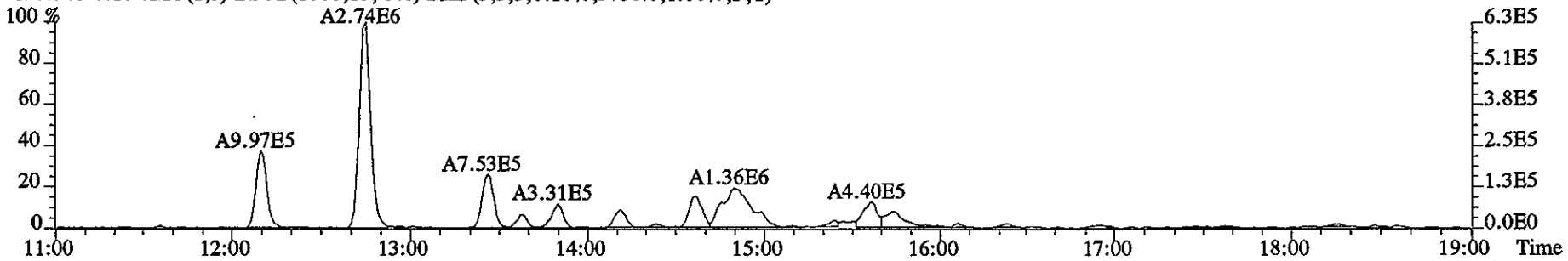
315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11772.0,1.00%,F,T)



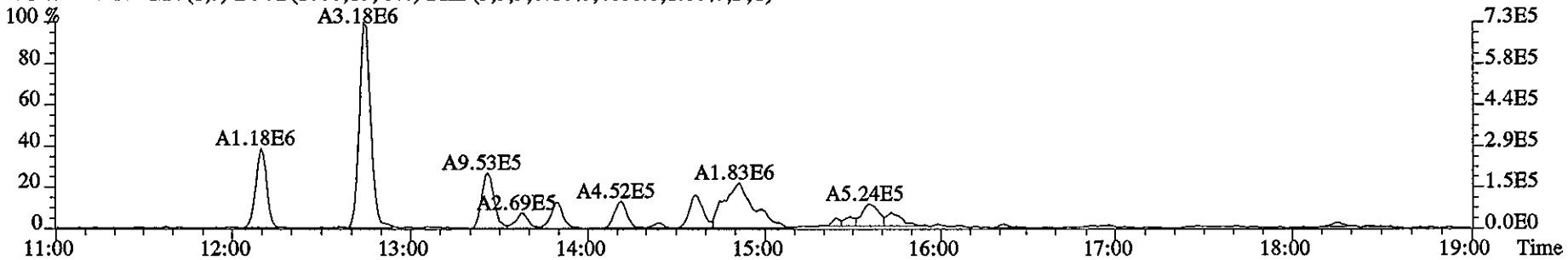
317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11924.0,1.00%,F,T)



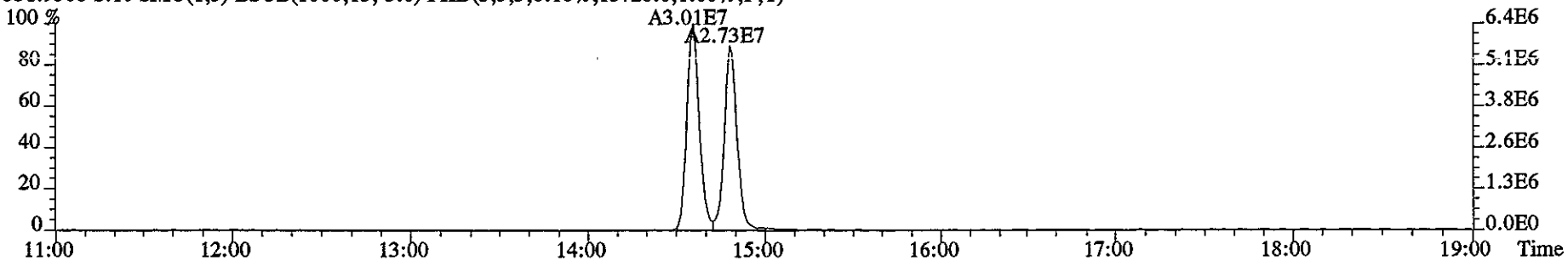
File:10MY105D2 #1-1241 Acq:10-MAY-2010 14:15:57 GC EI+ Voltage SIR 70SE
Sample#10 Text:LX5XK-1-AC :G0D170485-1 Exp:DB225RES
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3736.0,1.00%,F,T)



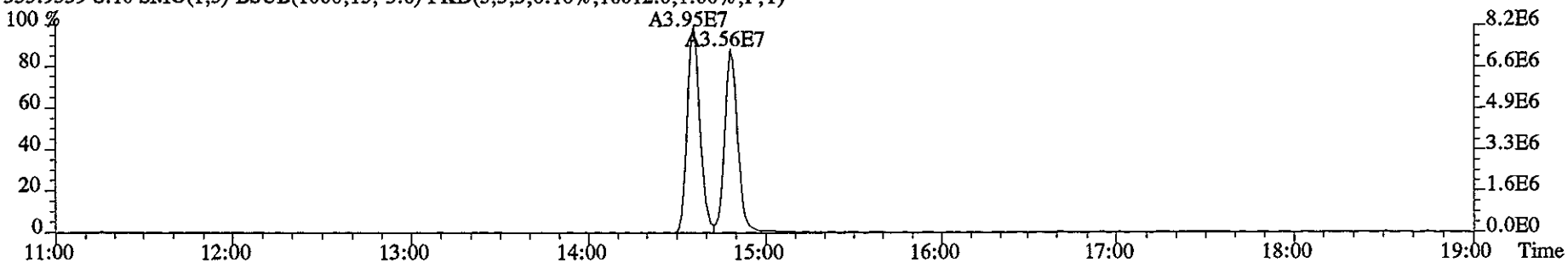
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4680.0,1.00%,F,T)



331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15728.0,1.00%,F,T)

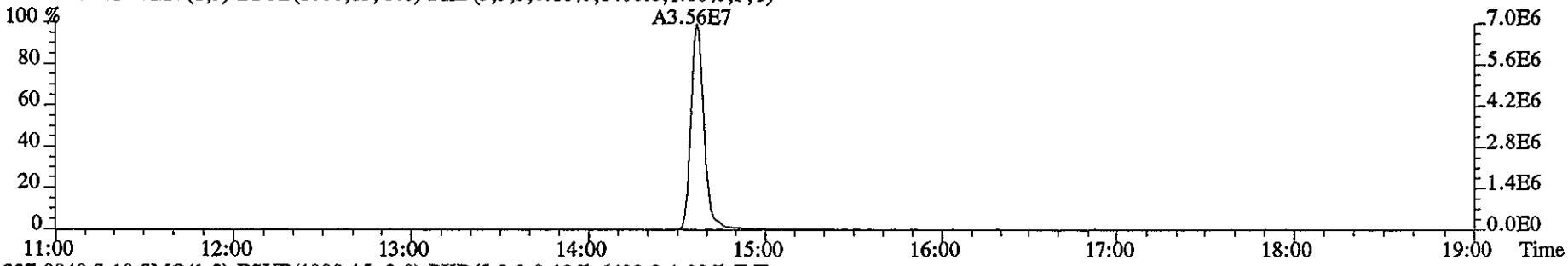


333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10012.0,1.00%,F,T)

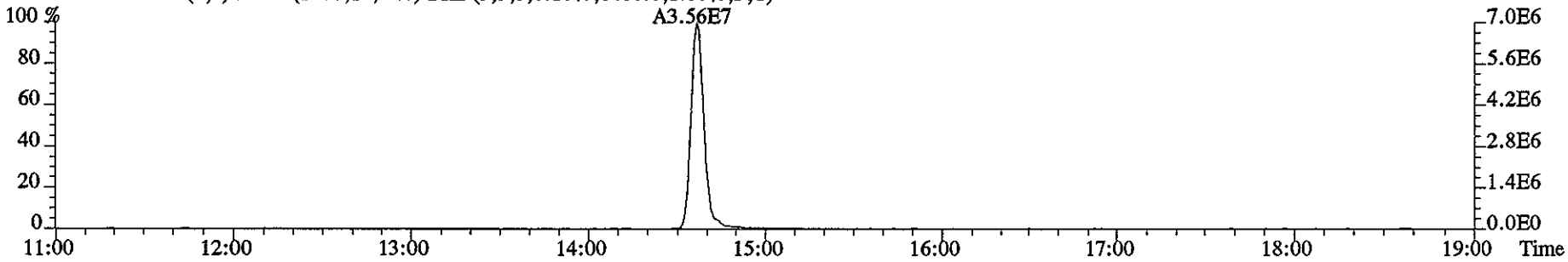


File:10MY105D2 #1-1241 Acq:10-MAY-2010 14:15:57 GC EI+ Voltage SIR 70SE
Sample#10 Text:LX5XK-1-AC :G0D170485-1 Exp:DB225RES

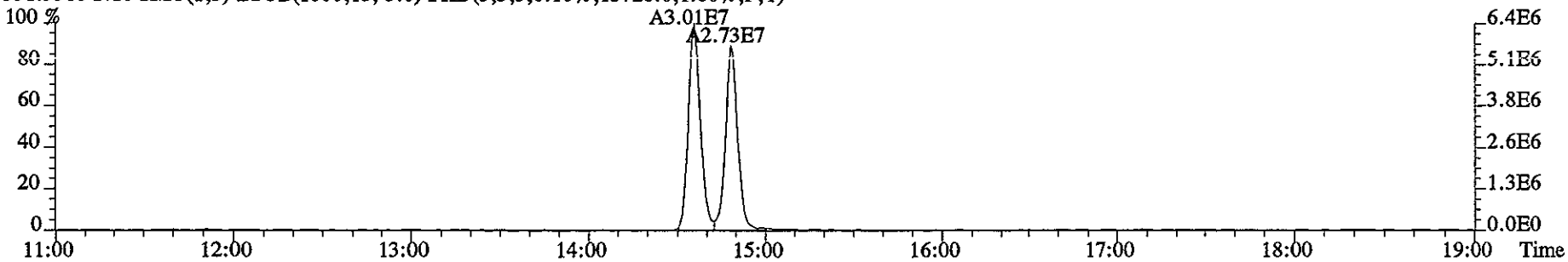
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T)



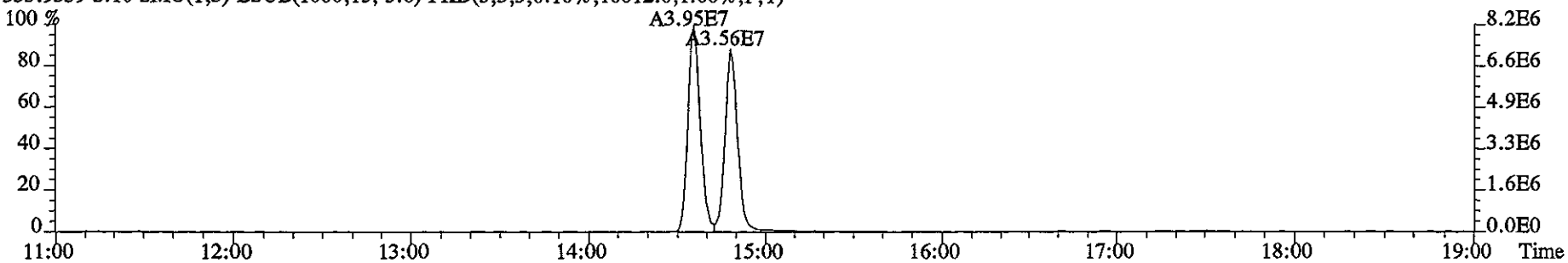
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T)



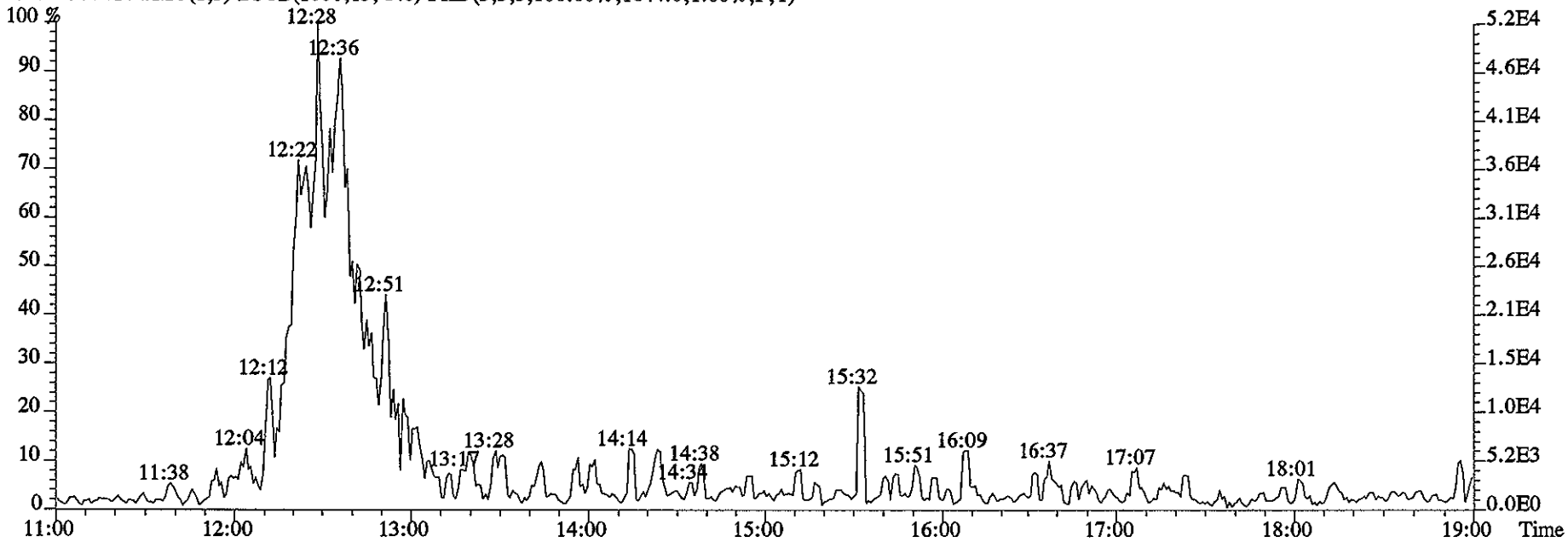
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15728.0,1.00%,F,T)



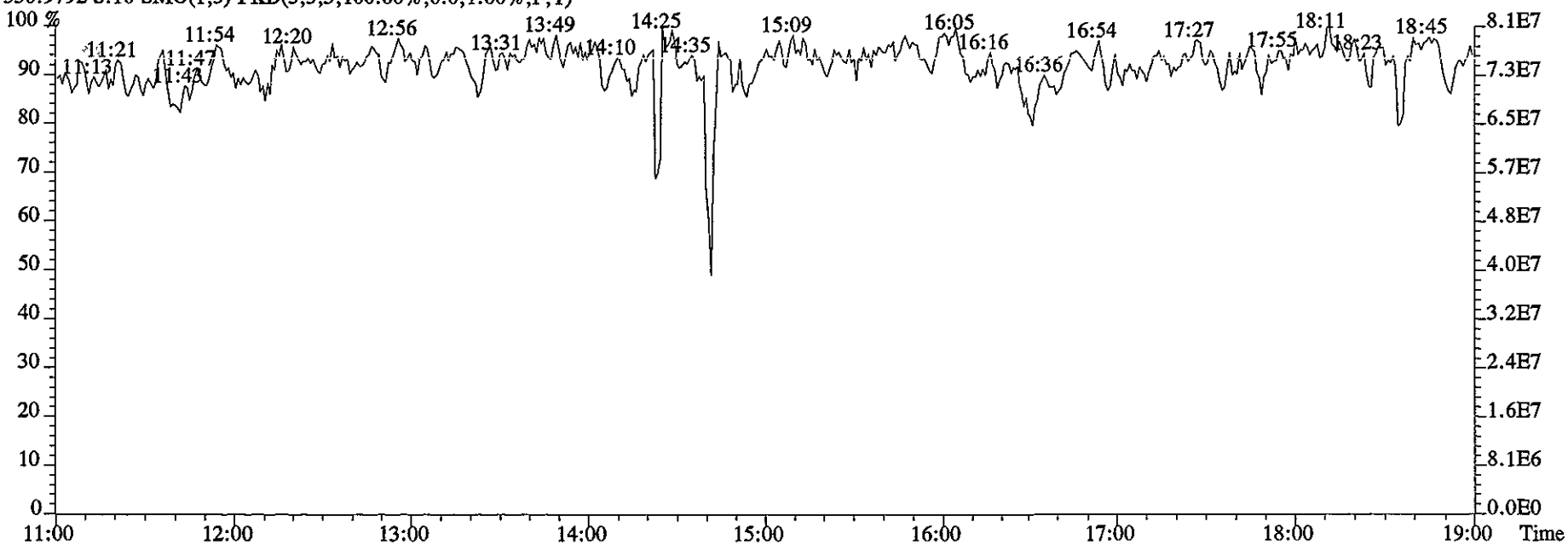
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10012.0,1.00%,F,T)



File:10MY105D2 #1-1241 Acq:10-MAY-2010 14:15:57 GC EI+ Voltage SIR 70SE
Sample#10 Text:LX5XK-1-AC :G0D170485-1 Exp:DB225RES
375.8364 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1644.0,1.00%,F,T)



330.9792 S:10 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX5XP-1-AC Sample text: LX5XP-1-AC :G0D170485-5
Run #39 Filename: 07MY104D5 S: 39 I: 1 Results: 07my104d58290aos
Acquired: 8-MAY-10 14:39:58 Processed: 8-MAY-10 20:56:27
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.08 g

05 05-11-10

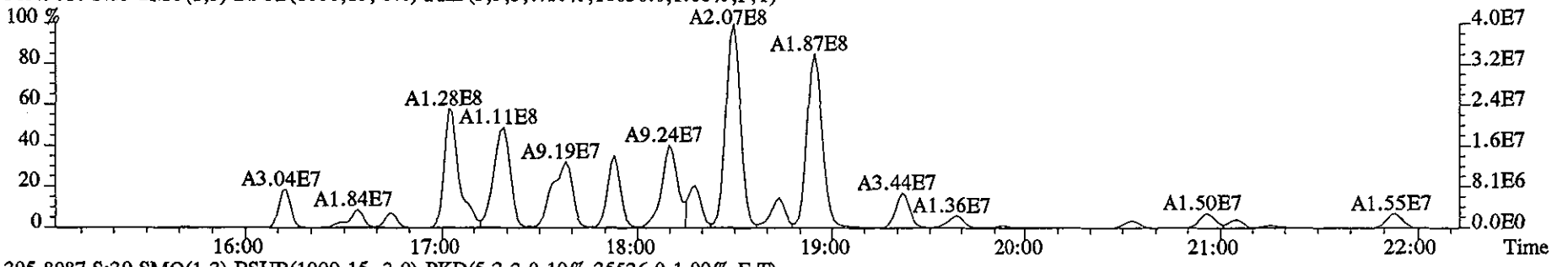
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	115277600	0.79	y	19:27	-	8.596	-	-	n
13C-2,3,7,8-TCDF	201430000	0.78	y	18:53	1.52	113.989 see DBM	0.311	57.5	n
2,3,7,8-TCDF	424883000	0.78	y	18:55	0.95	~~442.728~~	0.749	-	n
Total TCDF	2545531278	1.03	n	15:42	0.95	~~2652.445~~	~~0.749~~	-	n
13C-2,3,7,8-TCDD	150508400	0.79	y	19:39	0.95	136.387	0.151	68.7	n
2,3,7,8-TCDD	4077680	0.88	y	19:40	1.02	5.265	0.175	-	n
Total TCDD	70991705	5.22	n	15:15	1.02	~~91.661~~	~~0.175~~	-	n
37Cl-2,3,7,8-TCDD	156272400	1.00	y	19:40	2.26	59.473	0.108	74.9	n
13C-1,2,3,7,8-PeCDF	161375100	1.58	y	24:30	1.05	132.223	0.557	66.6	n
1,2,3,7,8-PeCDF	482573000	1.55	y	24:32	1.04	567.911	1.747	-	n
2,3,4,7,8-PeCDF	206368400	1.56	y	26:02	0.98	258.344	1.858	-	n
Total F2 PeCDF	2474071350	1.54	y	22:47	1.01	~~2991.959~~	~~1.801~~	-	n
Total F1 PeCDF	189972669	0.40	n	16:28	1.01	~~230.473~~	~~0.094~~	-	n
13C-1,2,3,7,8-PeCDD	110896500	1.56	y	26:49	0.67	142.342	0.092	71.7	n
1,2,3,7,8-PeCDD	9773330	1.58	y	26:50	0.98	17.808	0.320	-	n
Total PeCDD	80100127	0.74	n	22:43	0.98	~~145.951~~	~~0.320~~	-	n
13C-1,2,3,7,8,9-HxCDD	97596300	1.24	y	33:04	-	9.422	-	-	n
13C-1,2,3,4,7,8-HxCDF	103239200	0.52	y	31:53	1.02	102.397	0.897	51.6	n
1,2,3,4,7,8-HxCDF	656675000	1.25	y	31:54	1.21	1040.761 E	4.385 G	-	y
1,2,3,6,7,8-HxCDF	444108000	1.24	y	32:01	1.34	635.632	3.960 G	-	y
2,3,4,6,7,8-HxCDF	74629600	1.26	y	32:35	1.22	117.346	4.350 G	-	y
1,2,3,7,8,9-HxCDF	77549800	1.18	y	33:15	1.09	136.426	4.867 G	-	y
Total HxCDF	2389191600	1.24	y	30:29	1.22	~~3723.696~~	~~4.367~~	-	y
13C-1,2,3,6,7,8-HxCDD	100232700	1.13	y	32:47	0.81	126.243	0.101	63.6	n
1,2,3,4,7,8-HxCDD	5816510	1.20	y	32:44	1.01	11.437	0.239	-	y
1,2,3,6,7,8-HxCDD	13620470	1.36	y	32:48	1.11	24.205	0.216	-	y
1,2,3,7,8,9-HxCDD	13646990	1.32	y	33:05	1.21	22.344	0.199	-	n
Total HxCDD	79780113	1.22	y	31:20	1.11	~~141.269~~	~~0.216~~	-	y
13C-1,2,3,4,6,7,8-HpCDF	73886100	0.43	y	34:34	0.86	87.069	0.581	43.9	n
1,2,3,4,6,7,8-HpCDF	933197000	1.00	y	34:35	1.31	1913.442 E	4.398 G	-	n
1,2,3,4,7,8,9-HpCDF	361259000	1.00	y	35:42	1.03	945.873	5.616 G	-	n
Total HpCDF	1775679000	1.00	y	34:35	1.17	~~3966.035~~	~~4.933~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	78823400	1.09	y	35:23	0.70	114.874	0.479	57.9	n
1,2,3,4,6,7,8-HpCDD	32451400	1.03	y	35:24	1.07	76.210	0.353	-	n
Total HpCDD	4601722	10.97	n	34:20	1.07	~~108.069~~	~~0.353~~	-	n
13C-OCDD	72299400	0.89	y	37:52	0.53	138.302	0.131	34.9	n
OCDF	1223065000	0.90	y	37:59	1.45	4644.511 E	0.140	-	n

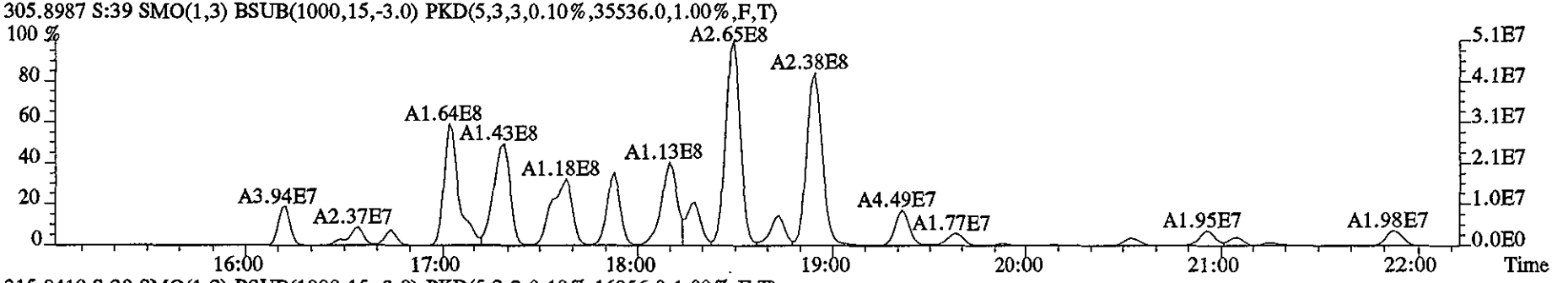
OCDD	24878200	0.90	y	37:53	1.17	117.082 ,	0.660	-	n

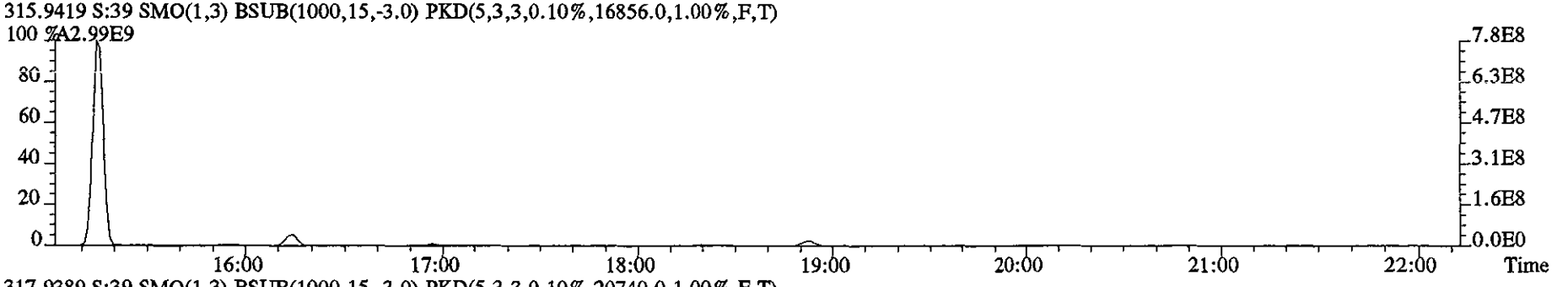
Run text: LX5XP-1-AC Sample text: LX5XP-1-AC :G0D170485-5
Run #39 Filename: 07MY104D5 S: 39 I: 1 Results: 07MY104D58290A
Acquired: 8-MAY-10 14:39:58 Processed: 8-MAY-10 20:56:27
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.08 g

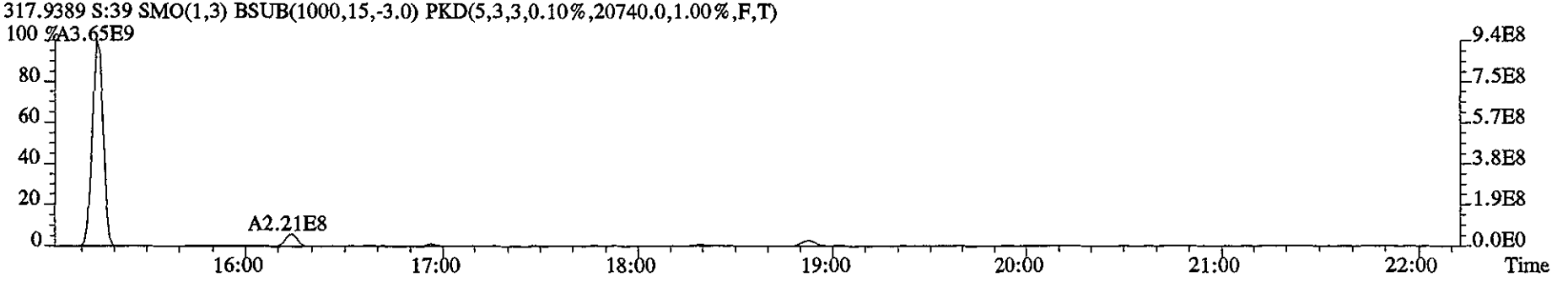
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	115277600	0.79	y	19:27	-	8.596	-	-	n
13C-2,3,7,8-TCDF	201430000	0.78	y	18:53	1.52	113.989	0.311	57.5	n
2,3,7,8-TCDF	424883000	0.78	y	18:55	0.95	442.728	0.749	-	n
Total TCDF	2545531278	1.03	n	15:42	0.95	2652.445	0.749	-	n
13C-2,3,7,8-TCDD	150508400	0.79	y	19:39	0.95	136.387	0.151	68.7	n
2,3,7,8-TCDD	4077680	0.88	y	19:40	1.02	5.265	0.175	-	n
Total TCDD	70991705	5.22	n	15:15	1.02	91.661	0.175	-	n
37Cl-2,3,7,8-TCDD	156272400	1.00	y	19:40	2.26	59.473	0.108	74.9	n
13C-1,2,3,7,8-PeCDF	161375100	1.58	y	24:30	1.05	132.223	0.557	66.6	n
1,2,3,7,8-PeCDF	482573000	1.55	y	24:32	1.04	567.911	1.747	-	n
2,3,4,7,8-PeCDF	206368400	1.56	y	26:02	0.98	258.344	1.858	-	n
Total F2 PeCDF	2474071350	1.54	y	22:47	1.01	2991.959	1.801	-	n
Total F1 PeCDF	189972669	0.40	n	16:28	1.01	230.473	0.094	-	n
13C-1,2,3,7,8-PeCDD	110896500	1.56	y	26:49	0.67	142.342	0.092	71.7	n
1,2,3,7,8-PeCDD	9773330	1.58	y	26:50	0.98	17.808	0.320	-	n
Total PeCDD	80100127	0.74	n	22:43	0.98	145.951	0.320	-	n
13C-1,2,3,7,8,9-HxCDD	97596300	1.24	y	33:04	-	9.422	-	-	n
13C-1,2,3,4,7,8-HxCDF	103239200	0.52	y	31:53	1.02	102.397	0.897	51.6	n
1,2,3,4,7,8-HxCDF	737760000	1.29	y	31:54	1.21	1169.273	4.385	-	n
1,2,3,6,7,8-HxCDF	454642000	1.18	y	32:01	1.34	650.709	3.960	-	n
2,3,4,6,7,8-HxCDF	196152200	1.25	y	32:32	1.22	308.425	4.350	-	n
1,2,3,7,8,9-HxCDF	171354600	1.23	y	33:18	1.09	301.449	4.867	-	n
Total HxCDF	2696137600	1.24	y	30:29	1.22	4223.385	4.367	-	n
13C-1,2,3,6,7,8-HxCDD	100232700	1.13	y	32:47	0.81	126.243	0.101	63.6	n
1,2,3,4,7,8-HxCDD	12942138	1.81	n	32:48	1.01	25.447	0.239	-	n
1,2,3,6,7,8-HxCDD	12942138	1.81	n	32:48	1.11	22.999	0.216	-	n
1,2,3,7,8,9-HxCDD	13646990	1.32	y	33:05	1.21	22.344	0.199	-	n
Total HxCDD	73285273	1.22	y	31:20	1.11	128.627	0.216	-	n
13C-1,2,3,4,6,7,8-HpCDF	73886100	0.43	y	34:34	0.86	87.069	0.581	43.9	n
1,2,3,4,6,7,8-HpCDF	933197000	1.00	y	34:35	1.31	1913.442	4.398	-	n
1,2,3,4,7,8,9-HpCDF	361259000	1.00	y	35:42	1.03	945.873	5.616	-	n
Total HpCDF	1775679000	1.00	y	34:35	1.17	3966.035	4.933	-	n
13C-1,2,3,4,6,7,8-HpCDD	78823400	1.09	y	35:23	0.70	114.874	0.479	57.9	n
1,2,3,4,6,7,8-HpCDD	32451400	1.03	y	35:24	1.07	76.210	0.353	-	n
Total HpCDD	4601722110	0.97	n	34:20	1.07	108.069	0.353	-	n
13C-OCDD	72299400	0.89	y	37:52	0.53	138.302	0.131	34.9	n
OCDF	1223065000	0.90	y	37:59	1.45	4644.511	0.140	-	n
OCDD	24878200	0.90	y	37:53	1.17	117.082	0.660	-	n

File:07MY104D5 #1-434 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A



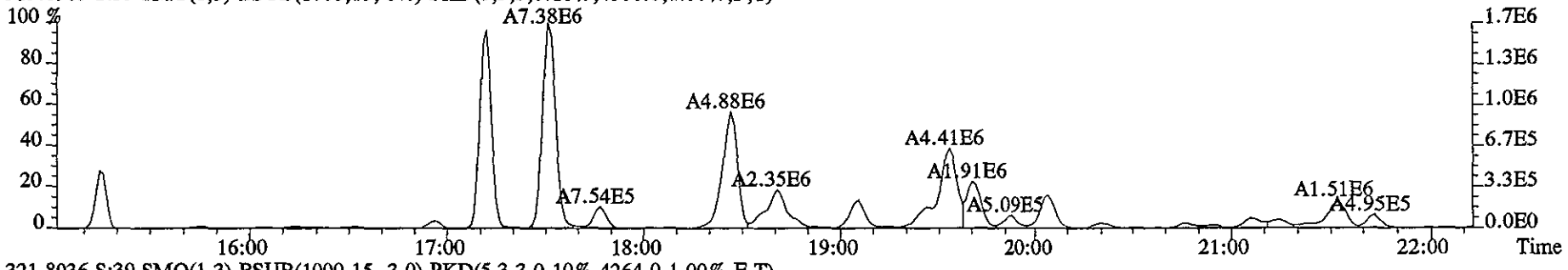




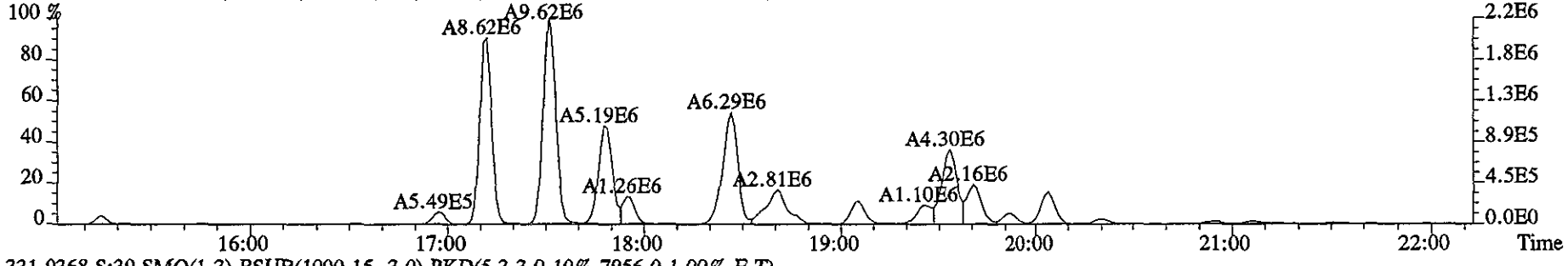


File:07MY104D5 #1-434 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

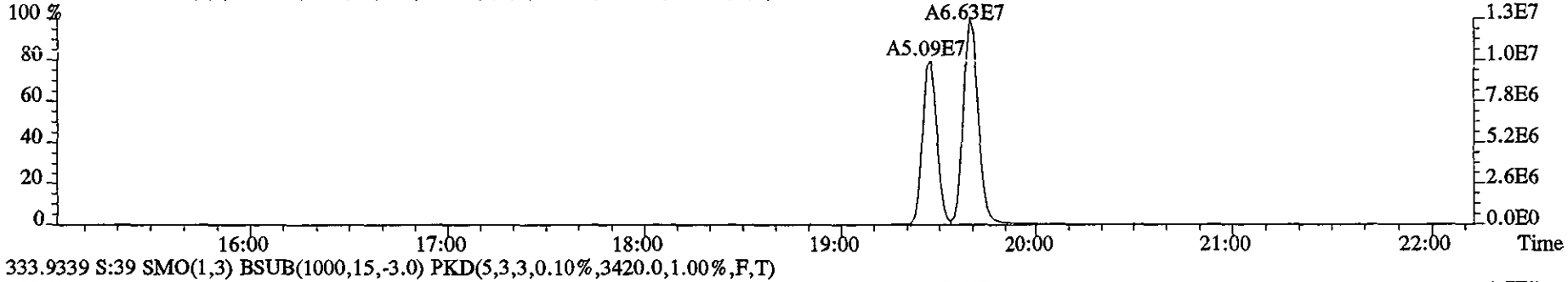
319.8965 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4580.0,1.00%,F,T)



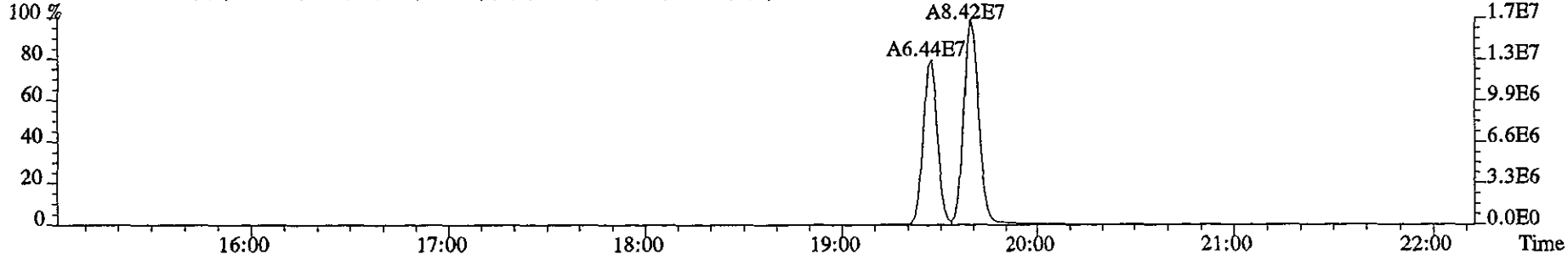
321.8936 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4264.0,1.00%,F,T)



331.9368 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7956.0,1.00%,F,T)

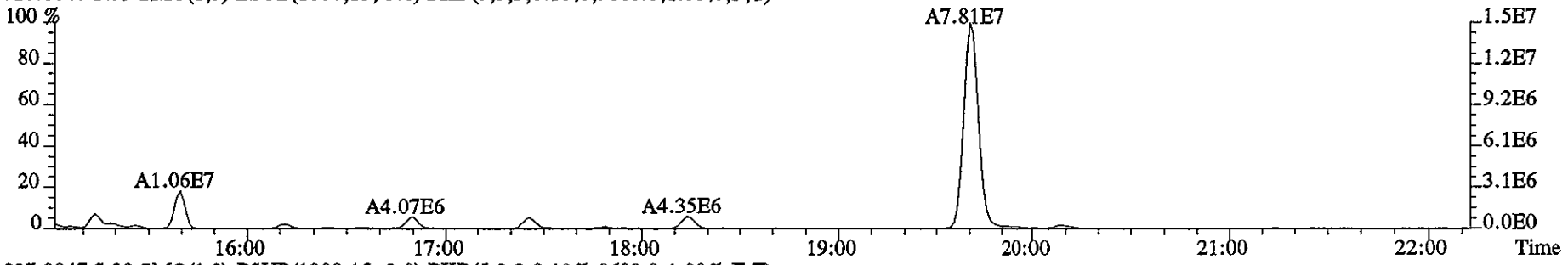


333.9339 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3420.0,1.00%,F,T)

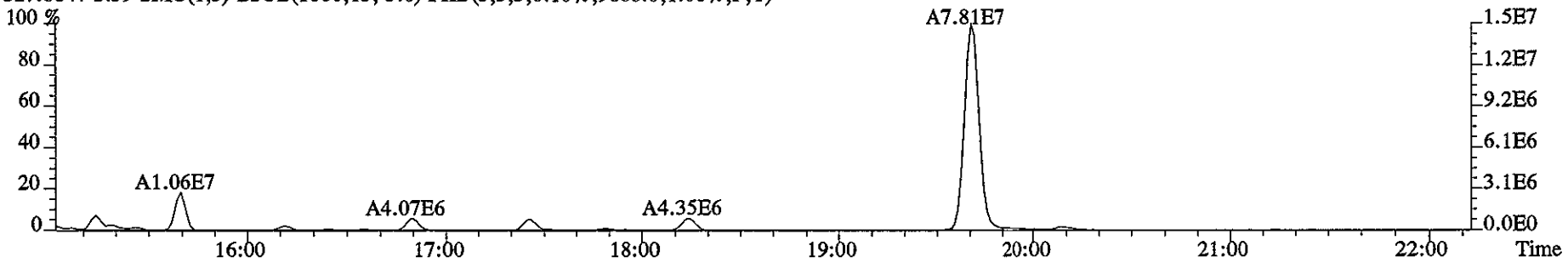


File:07MY104D5 #1-434 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

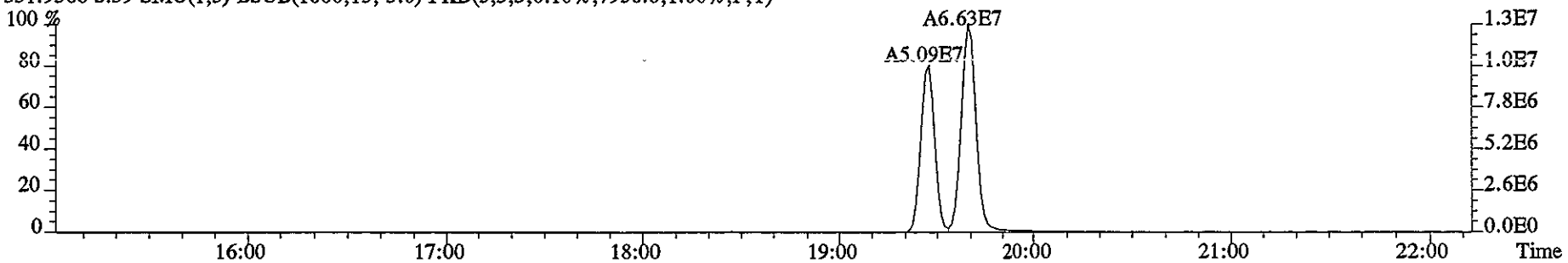
327.8847 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9688.0,1.00%,F,T)



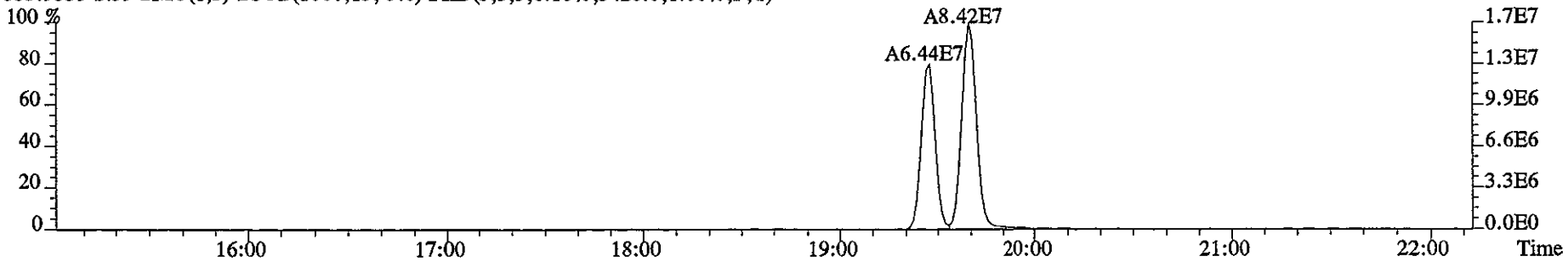
327.8847 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9688.0,1.00%,F,T)



331.9368 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7956.0,1.00%,F,T)

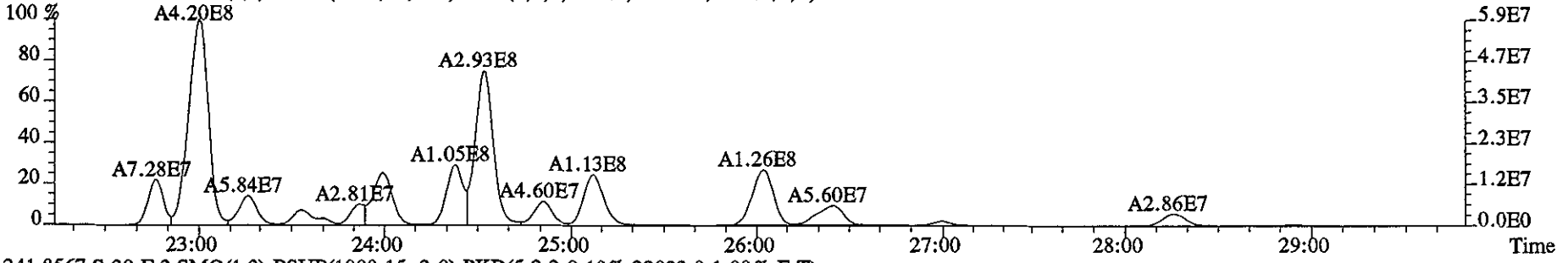


333.9339 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3420.0,1.00%,F,T)

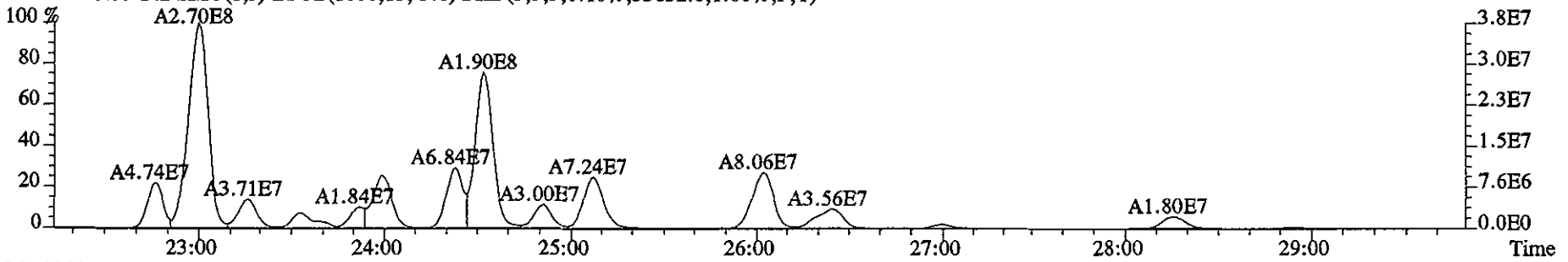


File:07MY104D5 #1-605 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

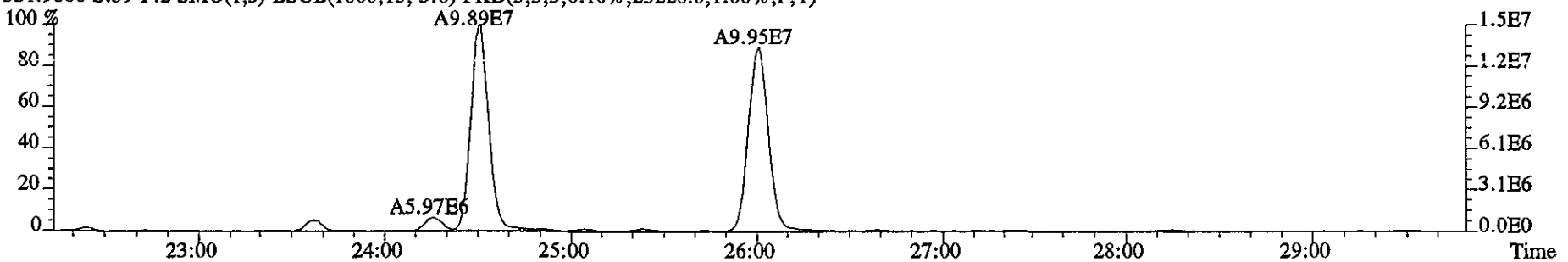
339.8597 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41636.0,1.00%,F,T)



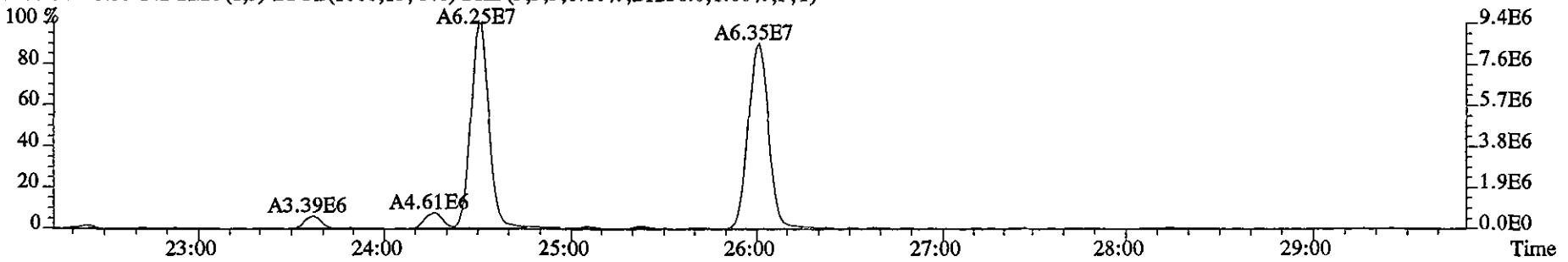
341.8567 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33832.0,1.00%,F,T)



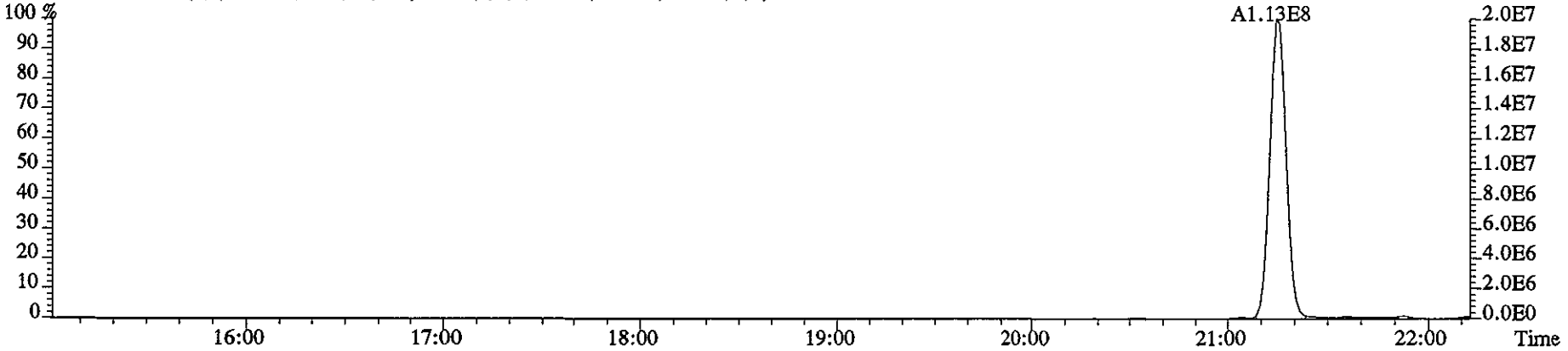
351.9000 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25228.0,1.00%,F,T)



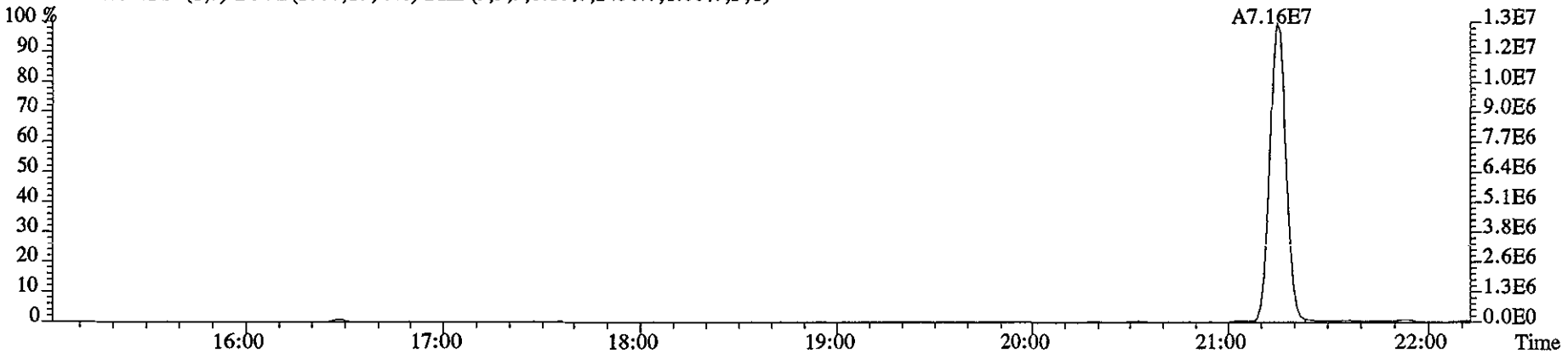
353.8970 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21236.0,1.00%,F,T)



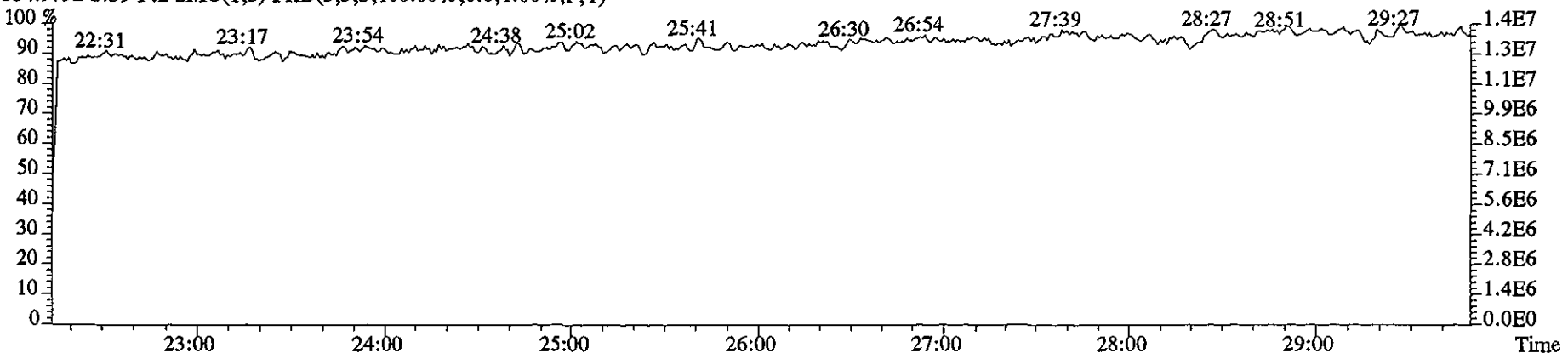
File:07MY104D5 #1-434 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A
339.8597 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1484.0,1.00%,F,T)



341.8567 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2456.0,1.00%,F,T)

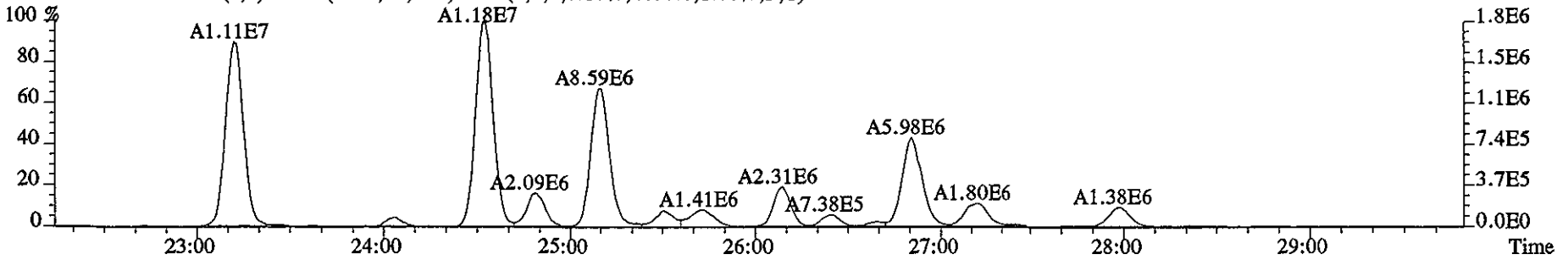


354.9792 S:39 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

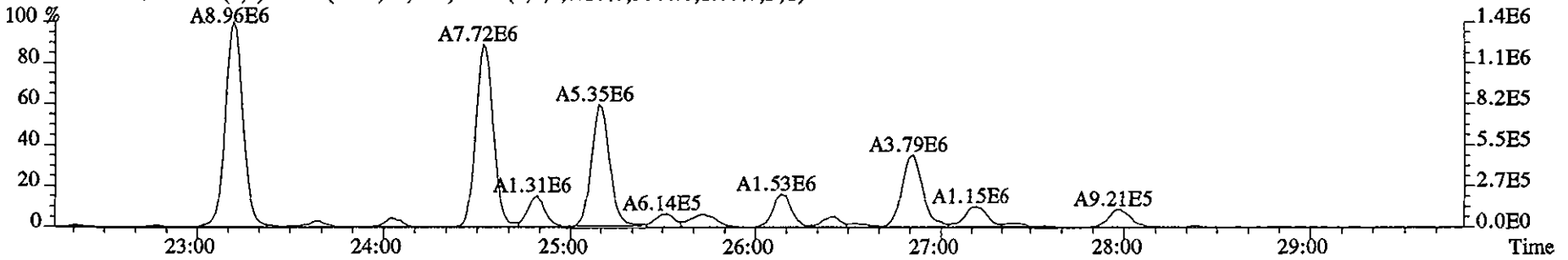


File:07MY104D5 #1-605 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

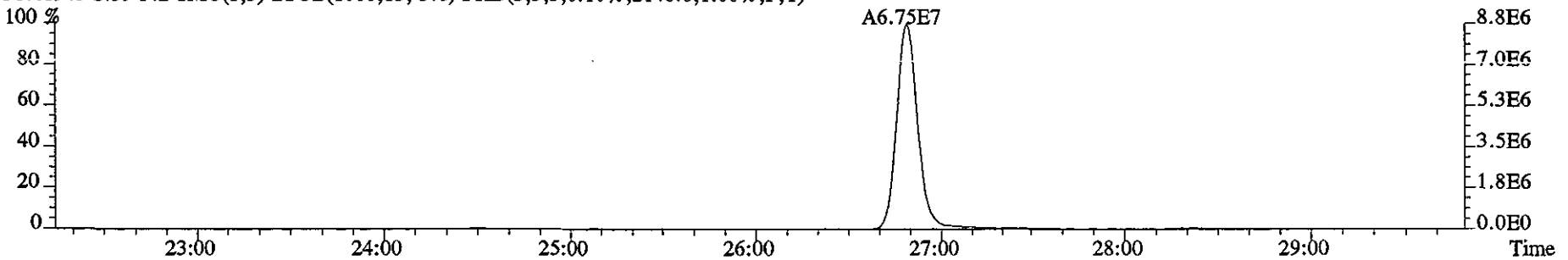
355.8546 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4656.0,1.00%,F,T)



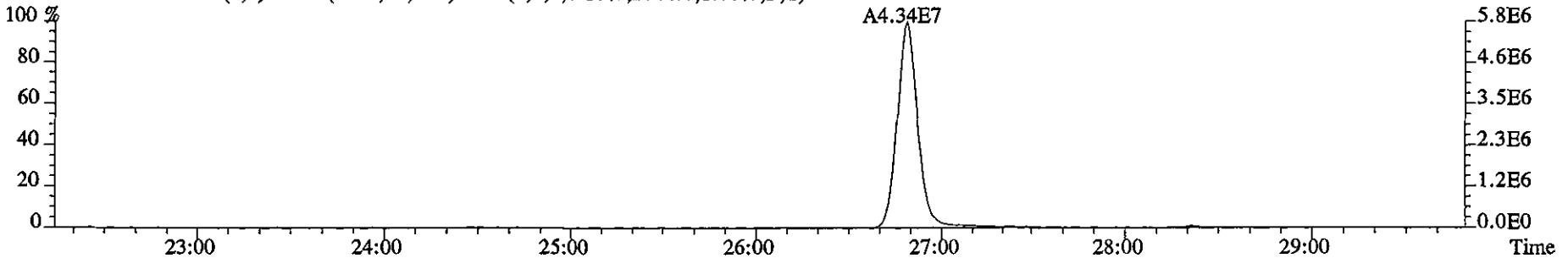
357.8516 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3044.0,1.00%,F,T)



367.8949 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2148.0,1.00%,F,T)

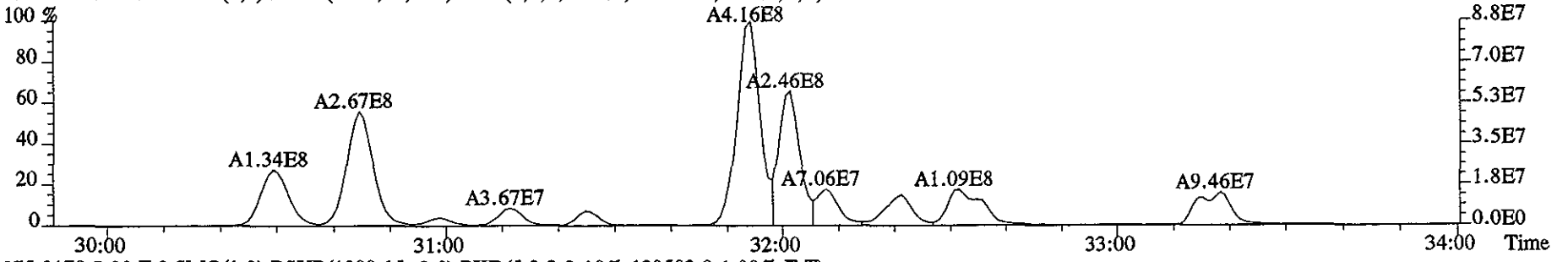


369.8919 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2744.0,1.00%,F,T)

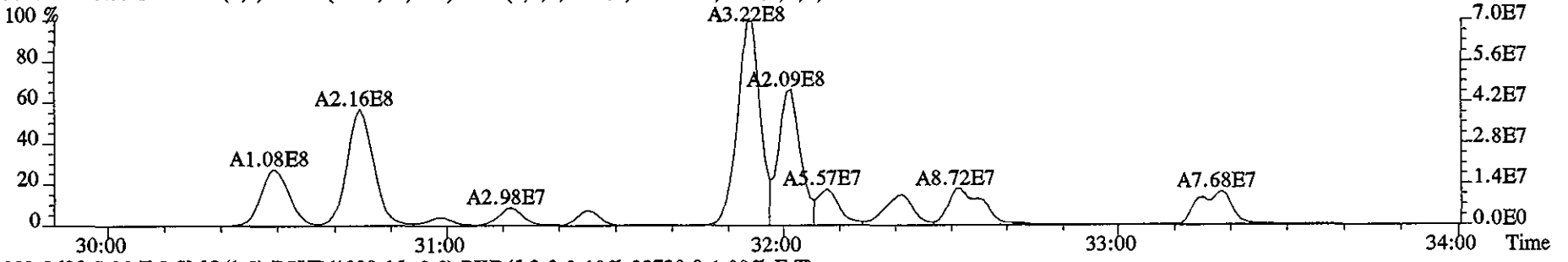


File:07MY104D5 #1-316 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

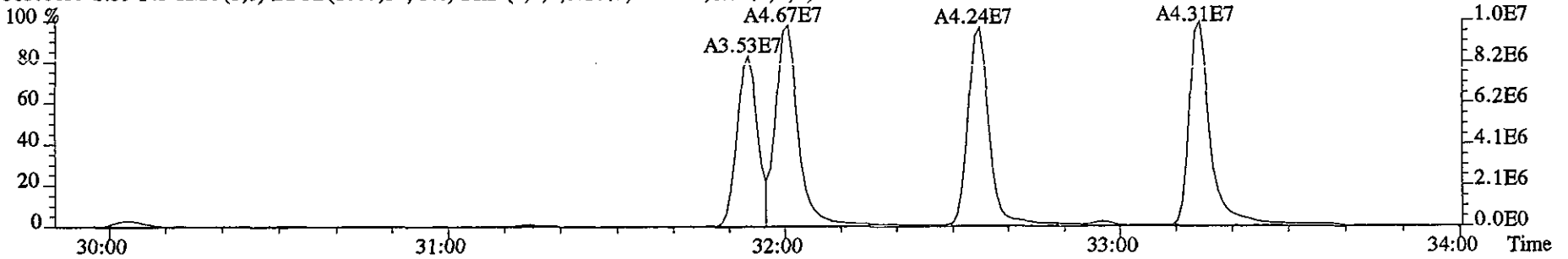
373.8208 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,102700.0,1.00%,F,T)



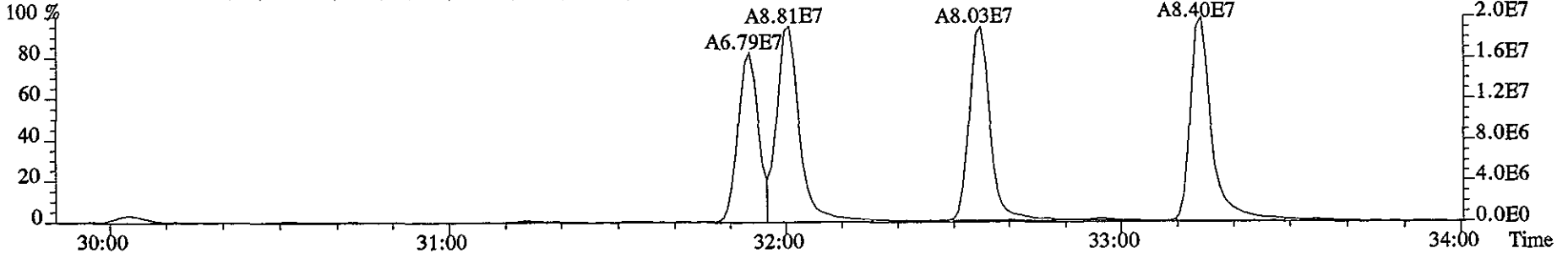
375.8178 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120592.0,1.00%,F,T)



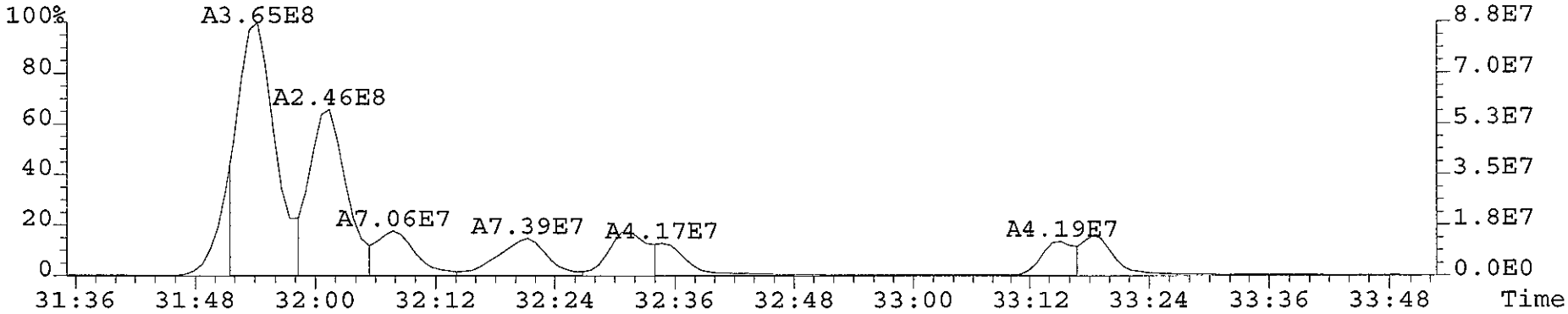
383.8639 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32720.0,1.00%,F,T)



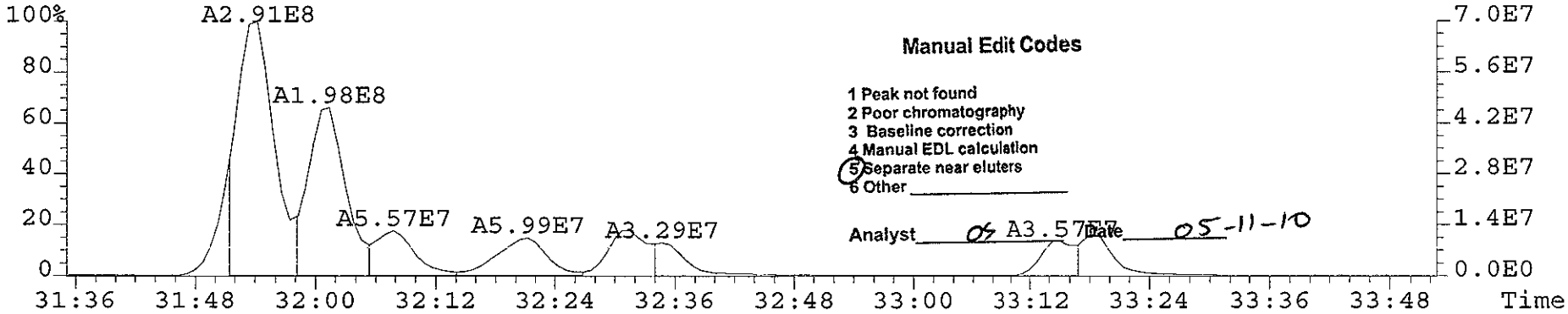
385.8610 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31668.0,1.00%,F,T)



File:07MY104D5 #1-316 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A
373.8208 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,102700.0,1.00%,F,T)



375.8178 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120592.0,1.00%,F,T)

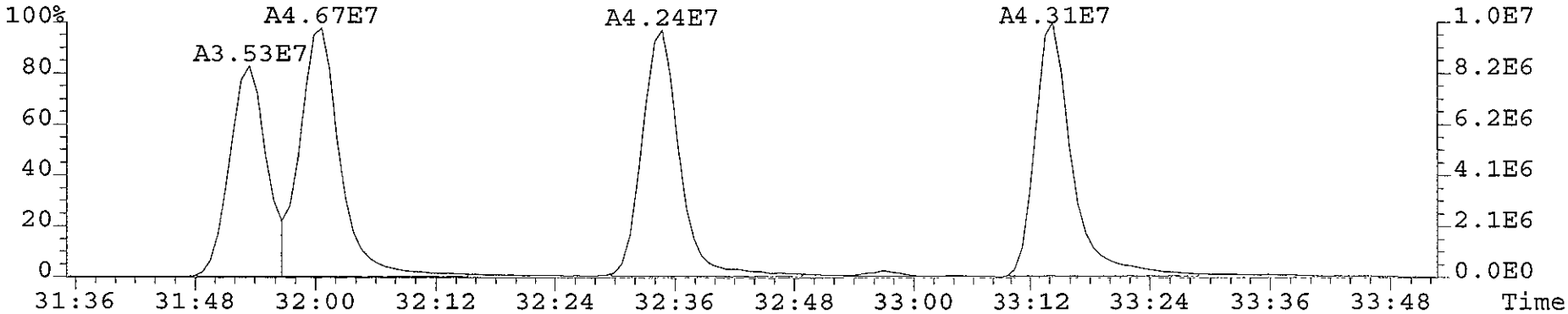


Manual Edit Codes

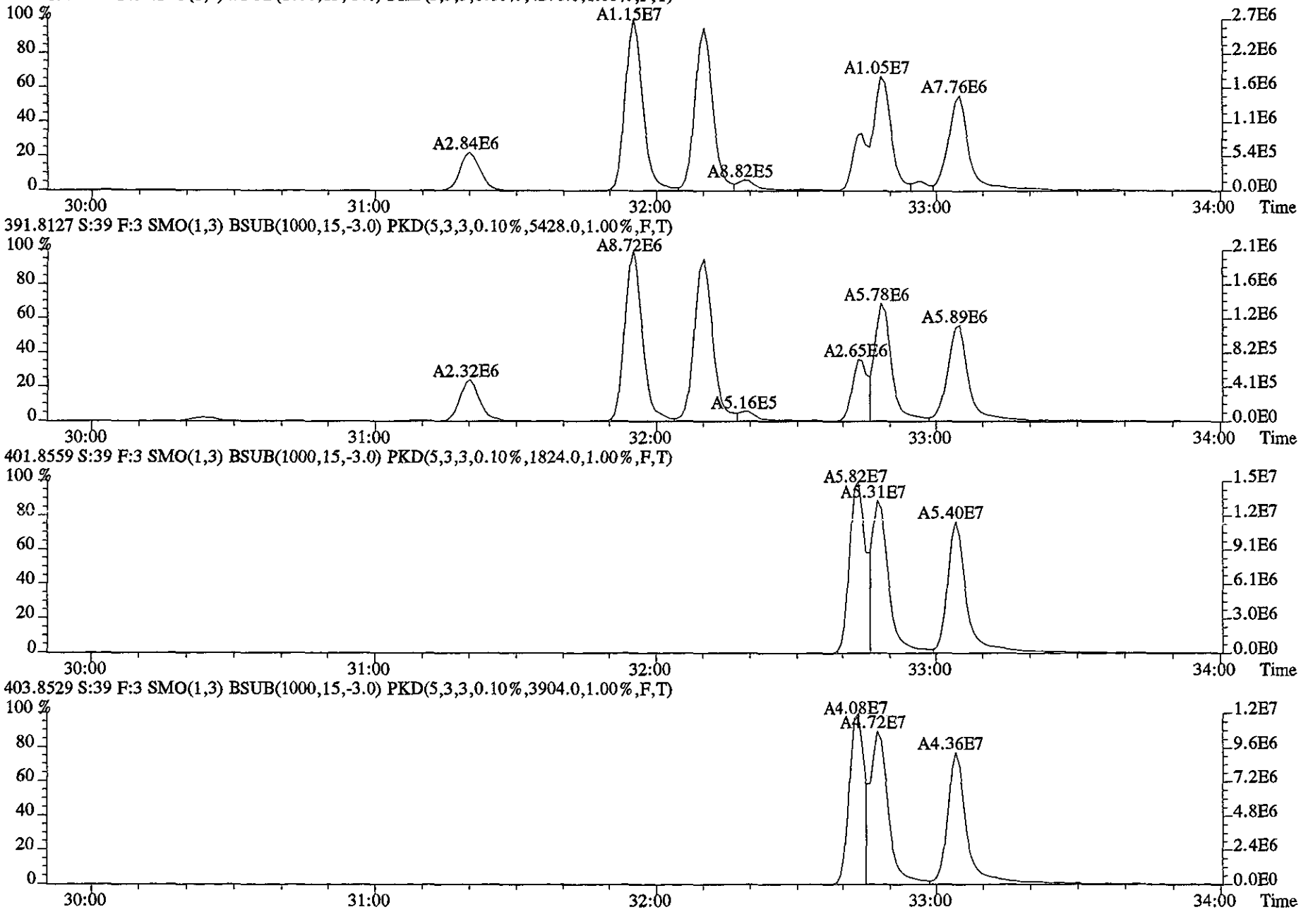
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst DS A3.57E7 Date 05-11-10

383.8639 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32720.0,1.00%,F,T)

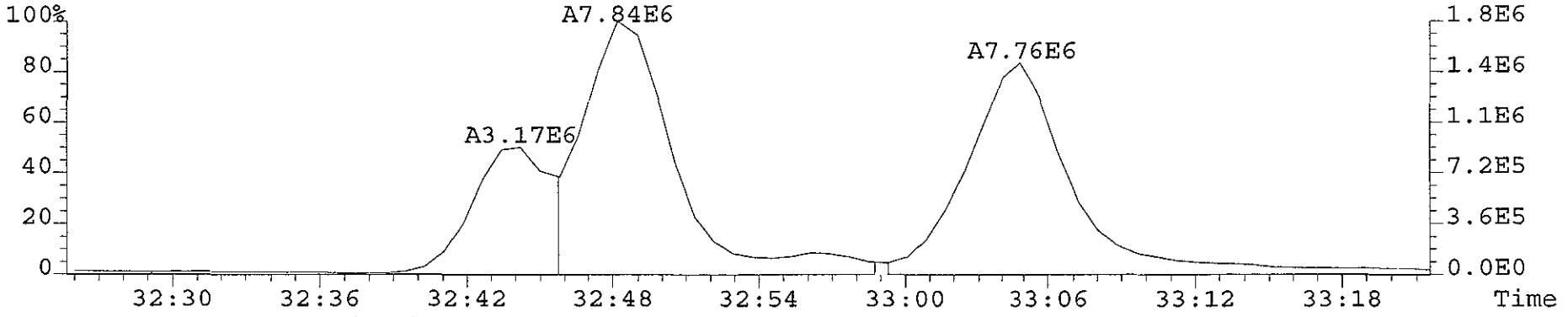


File:07MY104D5 #1-316 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

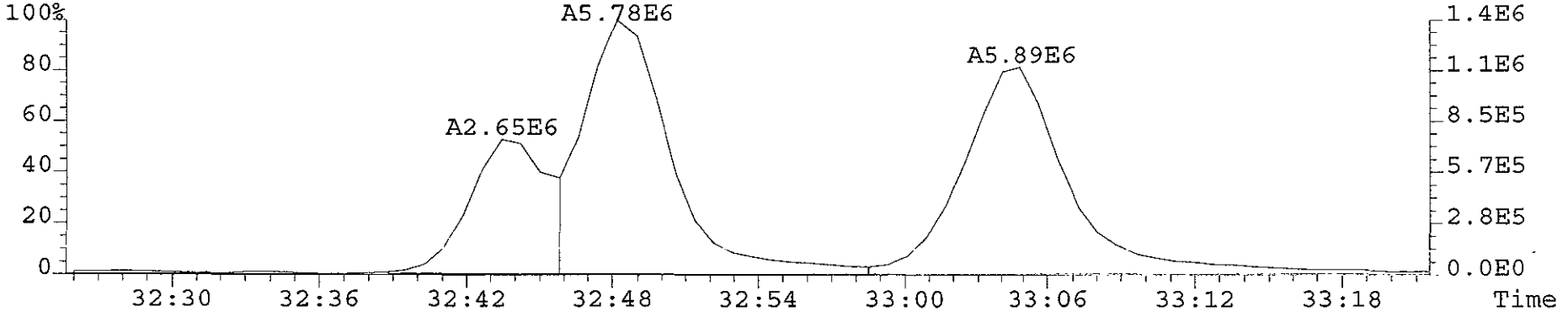


File:07MY104D5 #1-316 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

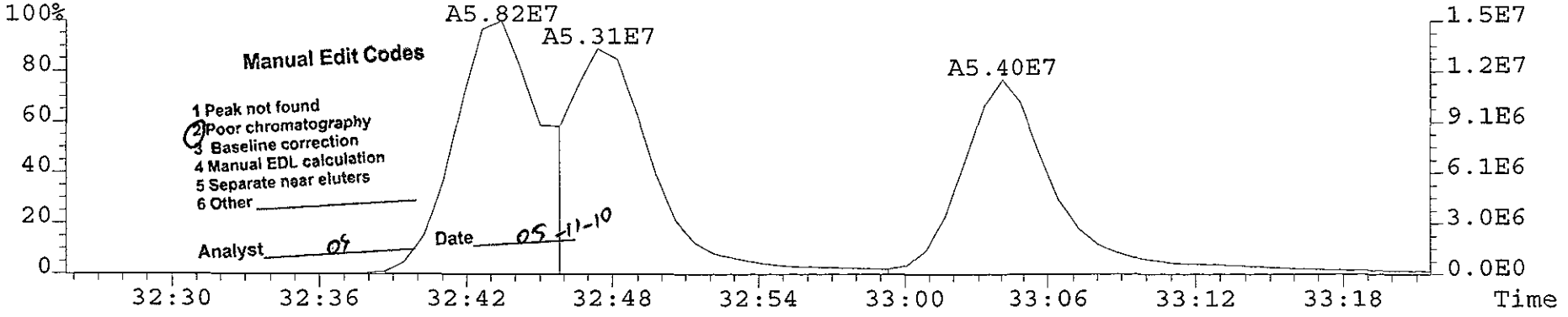
389.8157 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4276.0,1.00%,F,T)



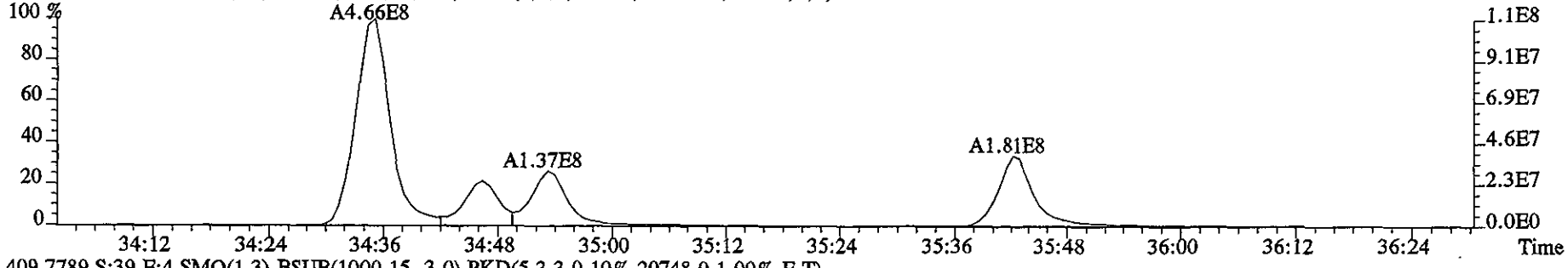
391.8127 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)



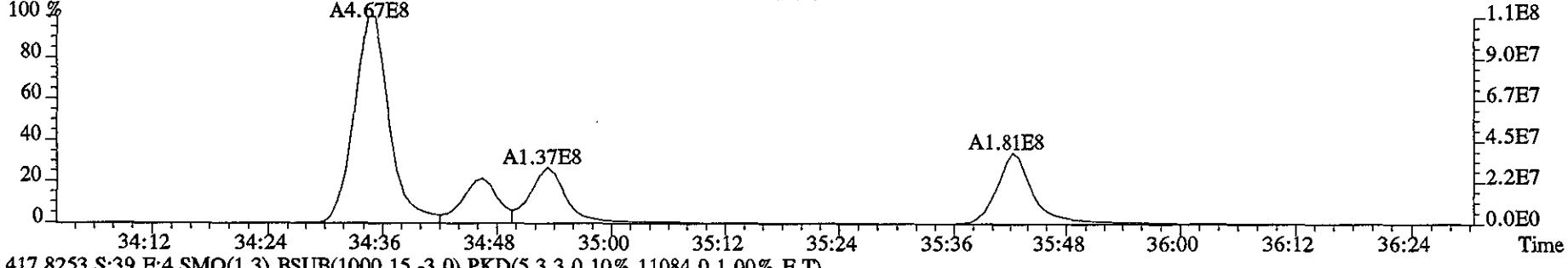
401.8559 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



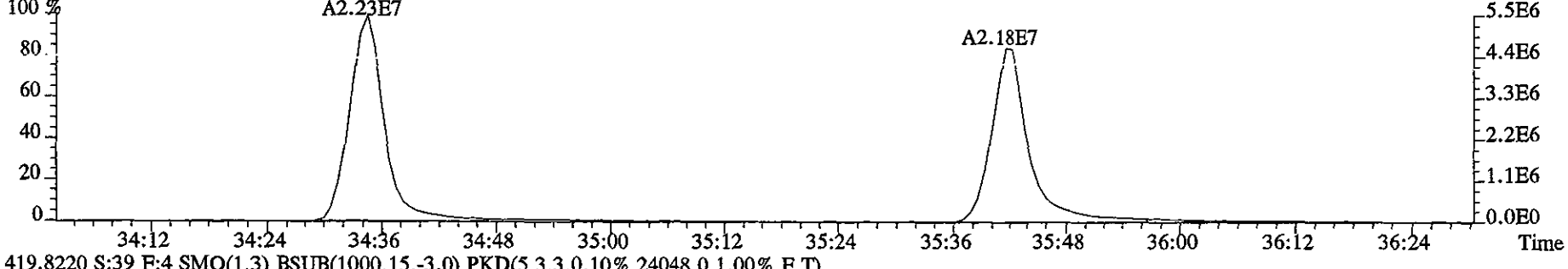
File:07MY104D5 #1-198 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A
407.7818 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,153364.0,1.00%,F,T)



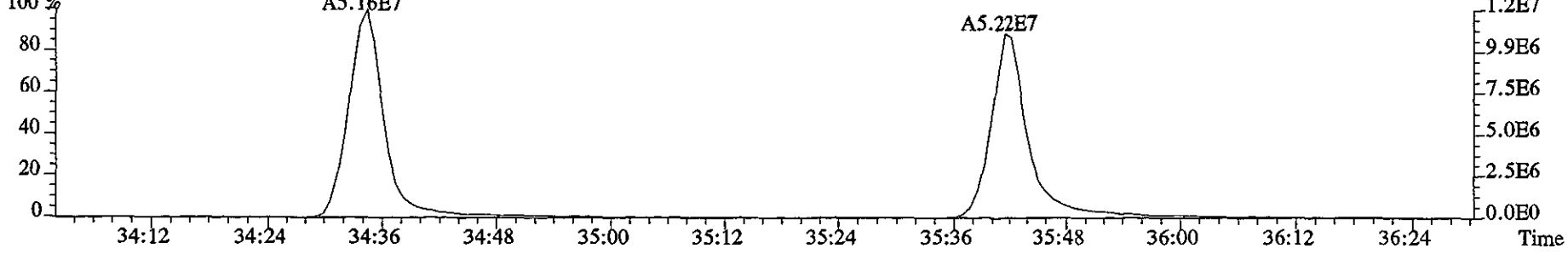
409.7789 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20748.0,1.00%,F,T)



417.8253 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11084.0,1.00%,F,T)

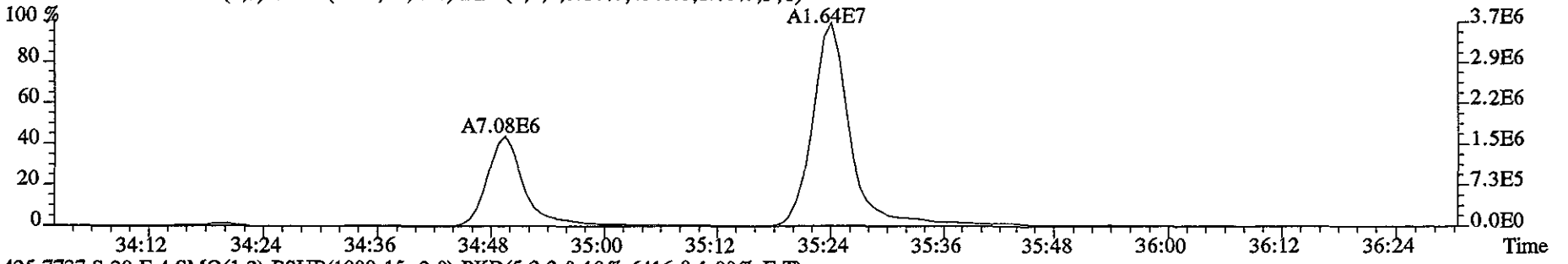


419.8220 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24048.0,1.00%,F,T)

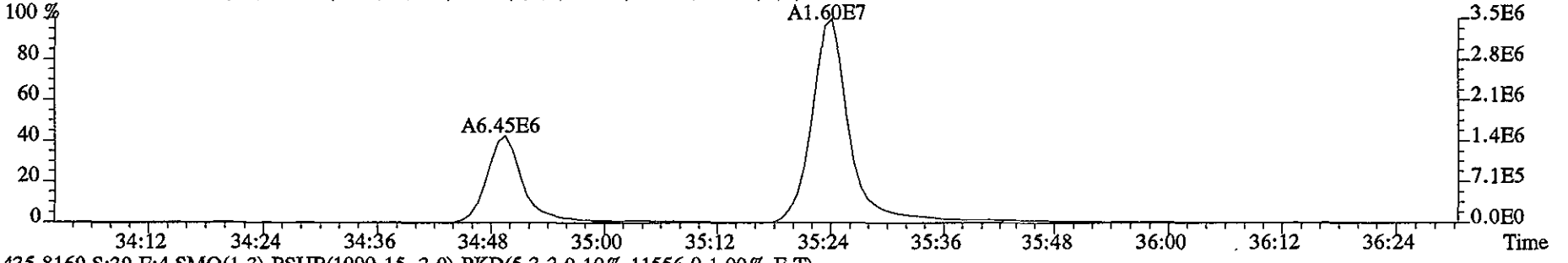


File:07MY104D5 #1-198 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

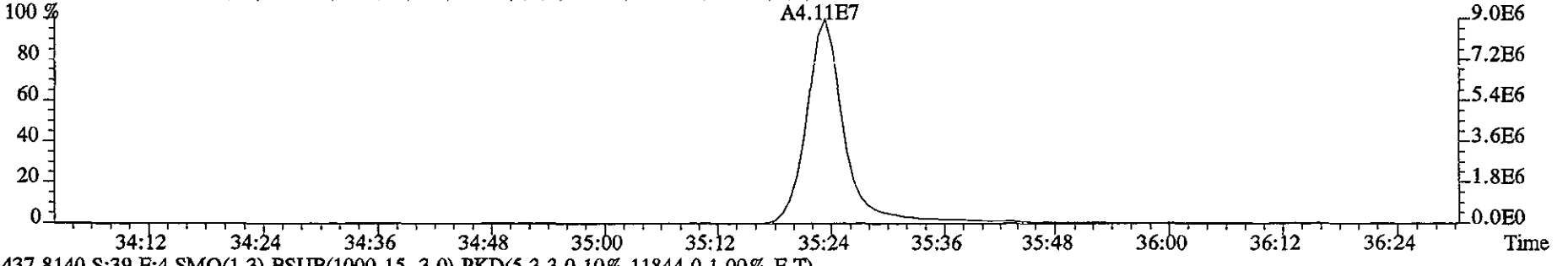
423.7766 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)



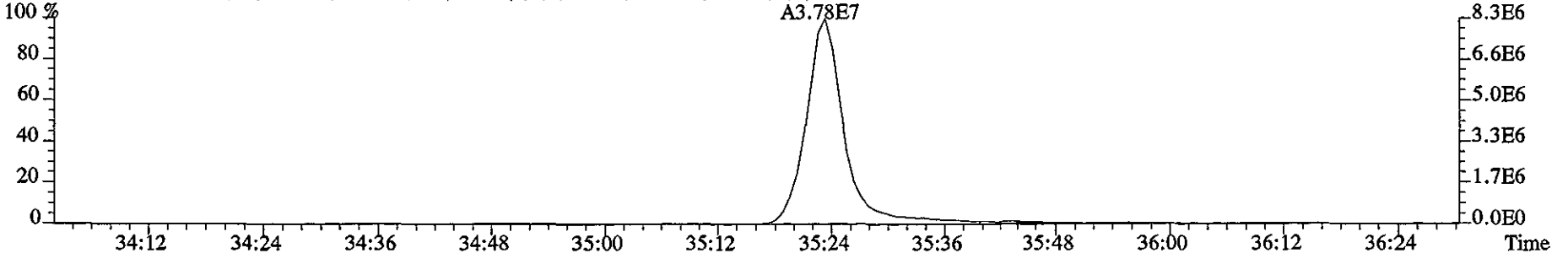
425.7737 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6416.0,1.00%,F,T)



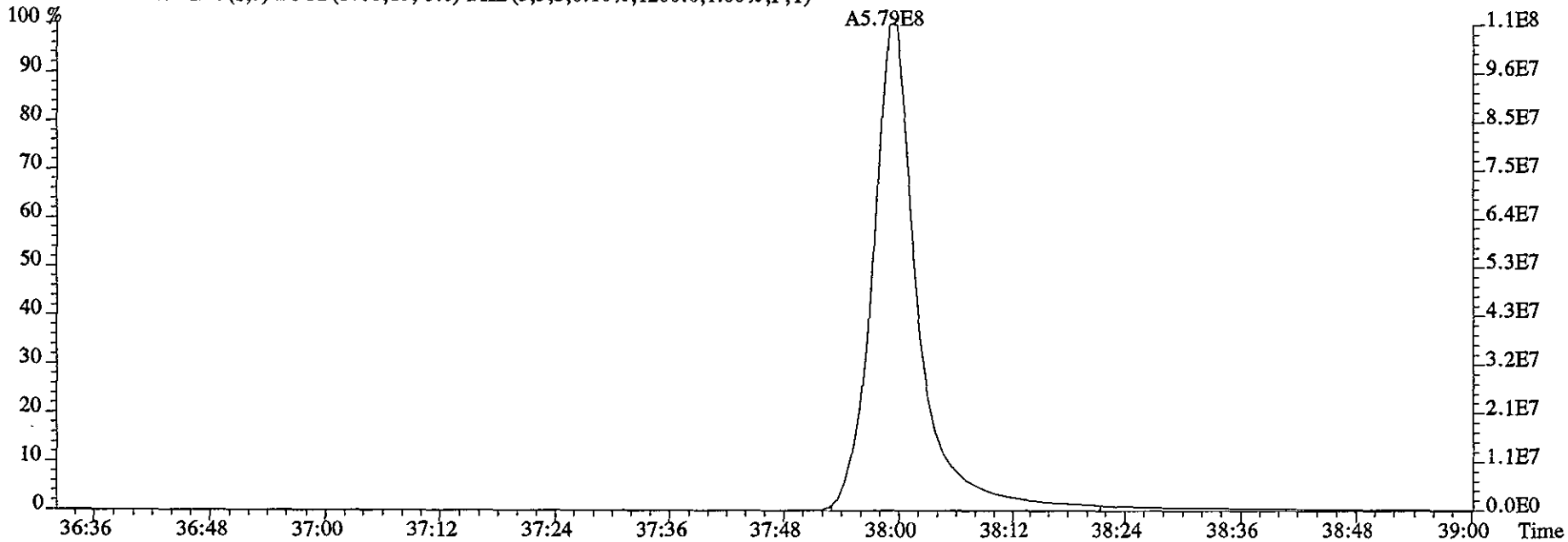
435.8169 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11556.0,1.00%,F,T)



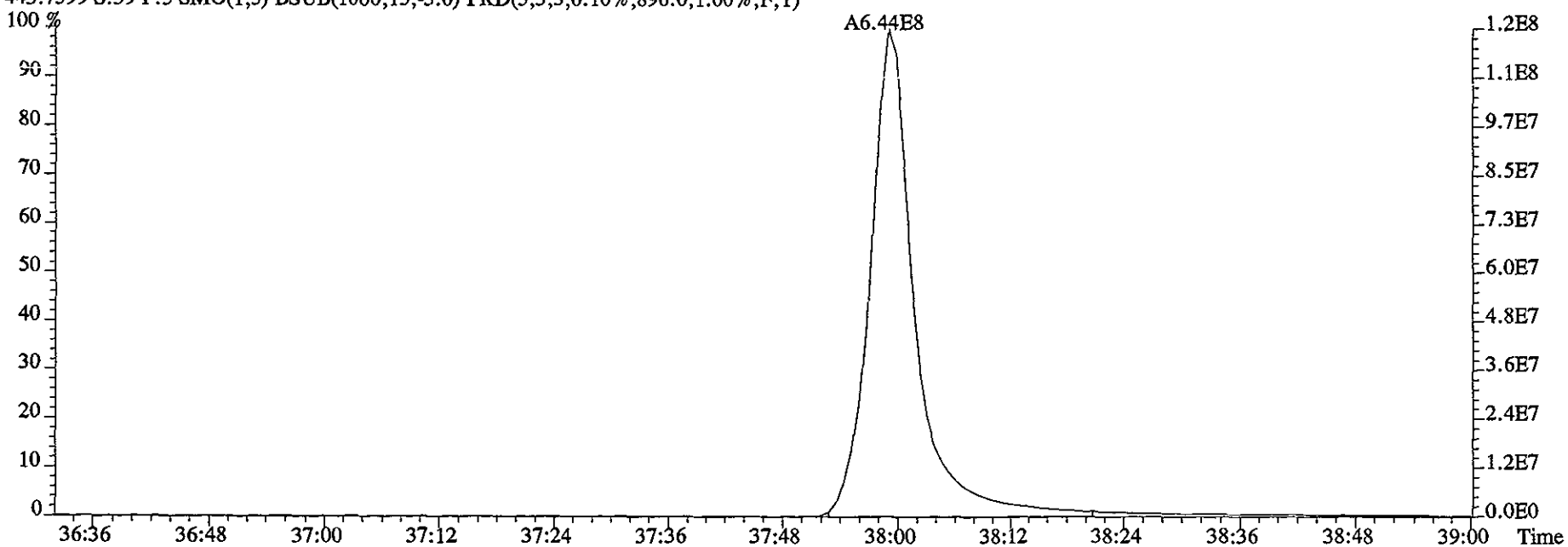
437.8140 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11844.0,1.00%,F,T)



File:07MY104D5 #1-190 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A
441.7428 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1200.0,1.00%,F,T)

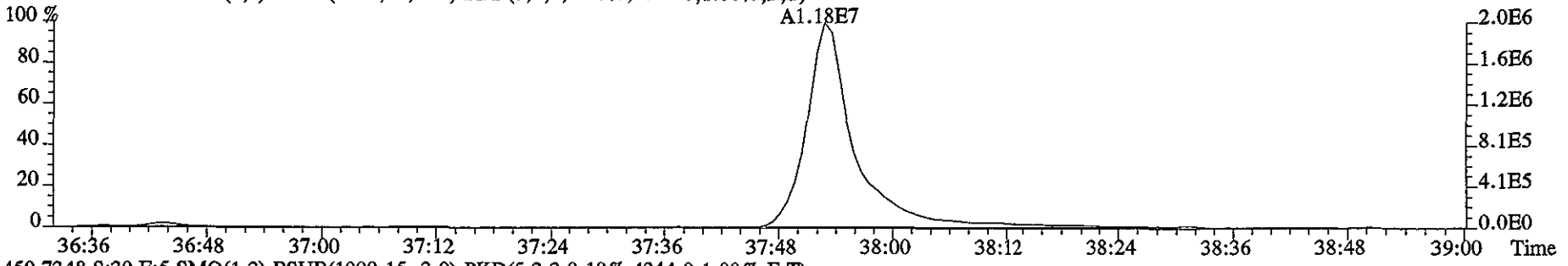


443.7399 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,896.0,1.00%,F,T)

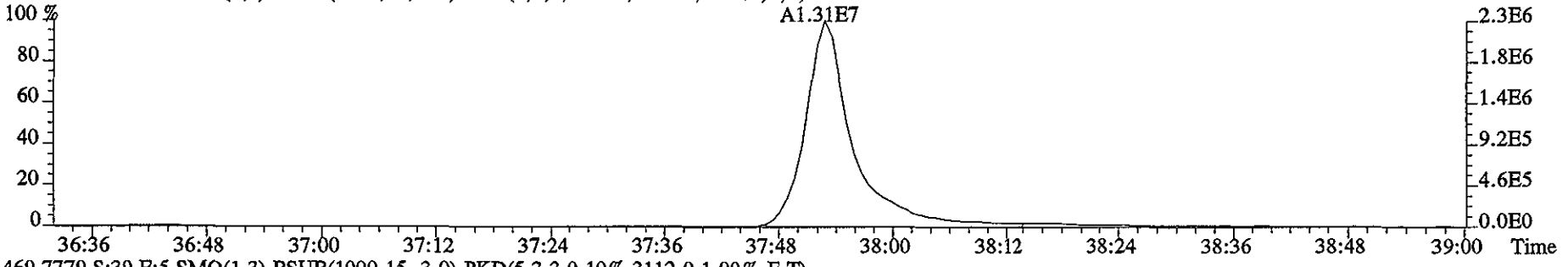


File:07MY104D5 #1-190 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

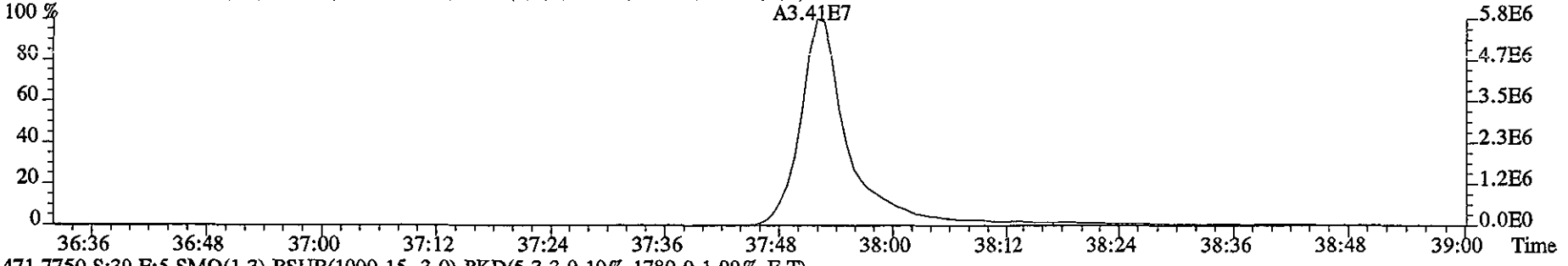
457.7377 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3716.0,1.00%,F,T)



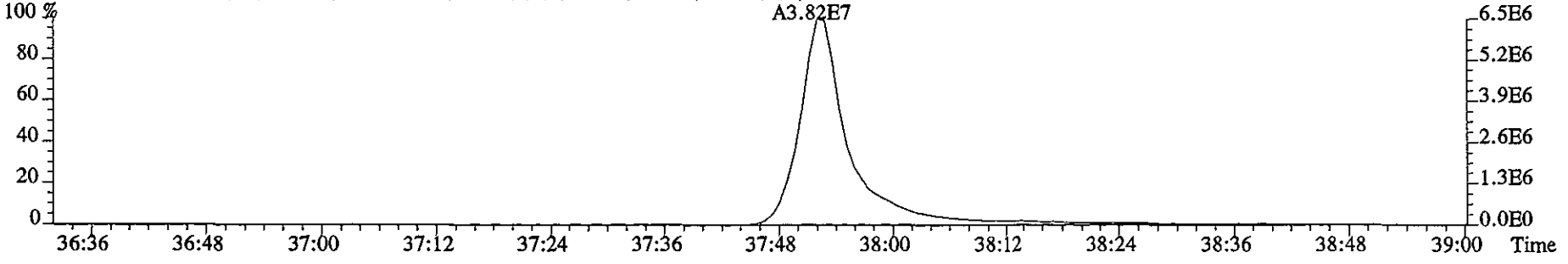
459.7348 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



469.7779 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3112.0,1.00%,F,T)

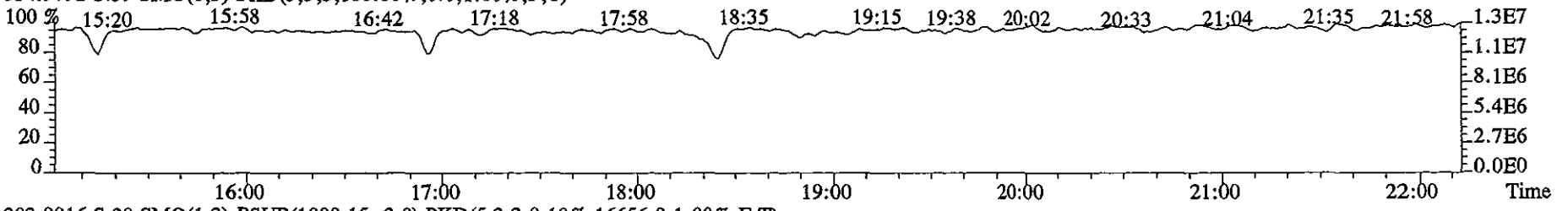


471.7750 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)

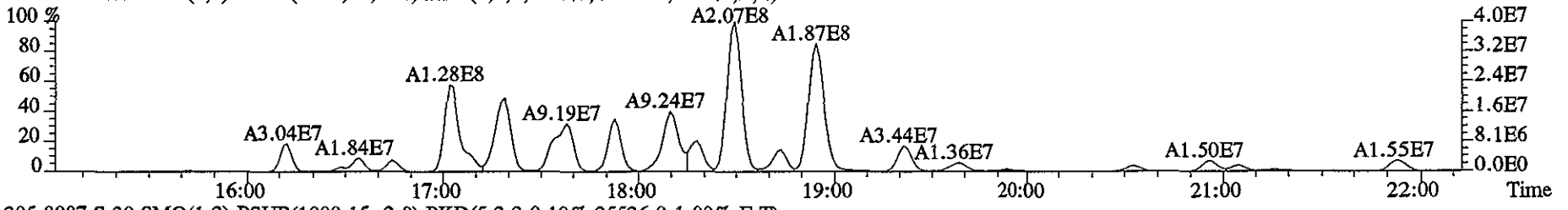


File:07MY104D5 #1-434 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

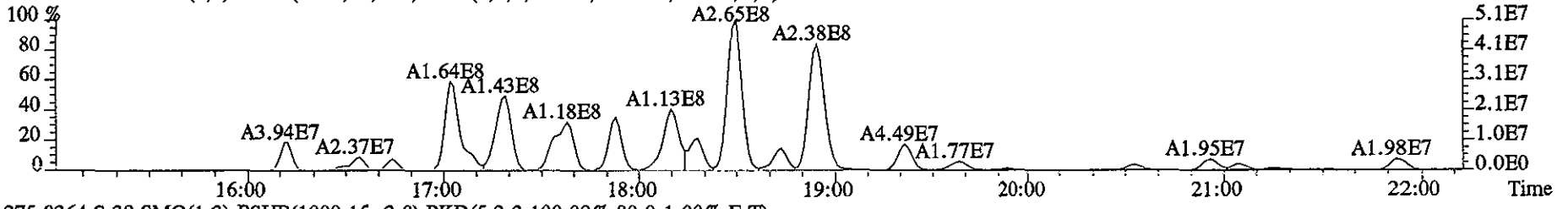
354.9792 S:39 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



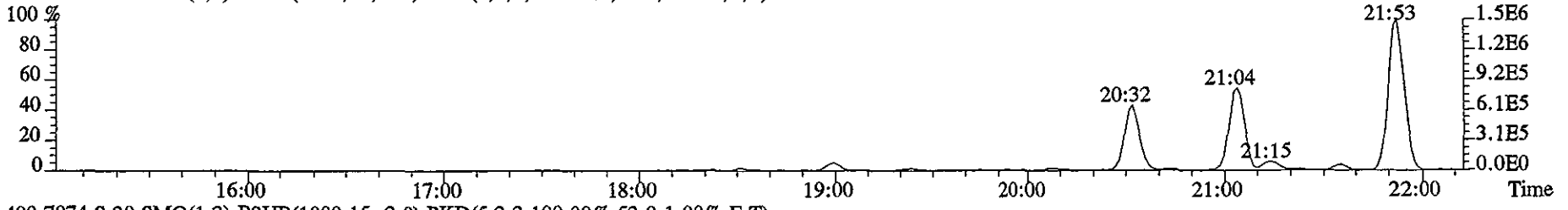
303.9016 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16656.0,1.00%,F,T)



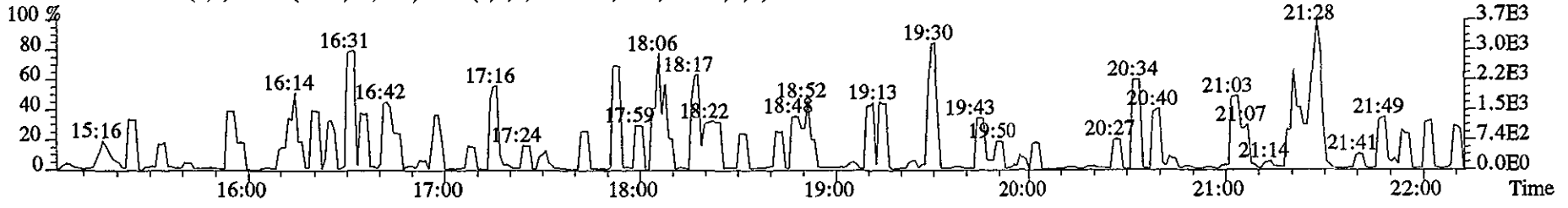
305.8987 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35536.0,1.00%,F,T)



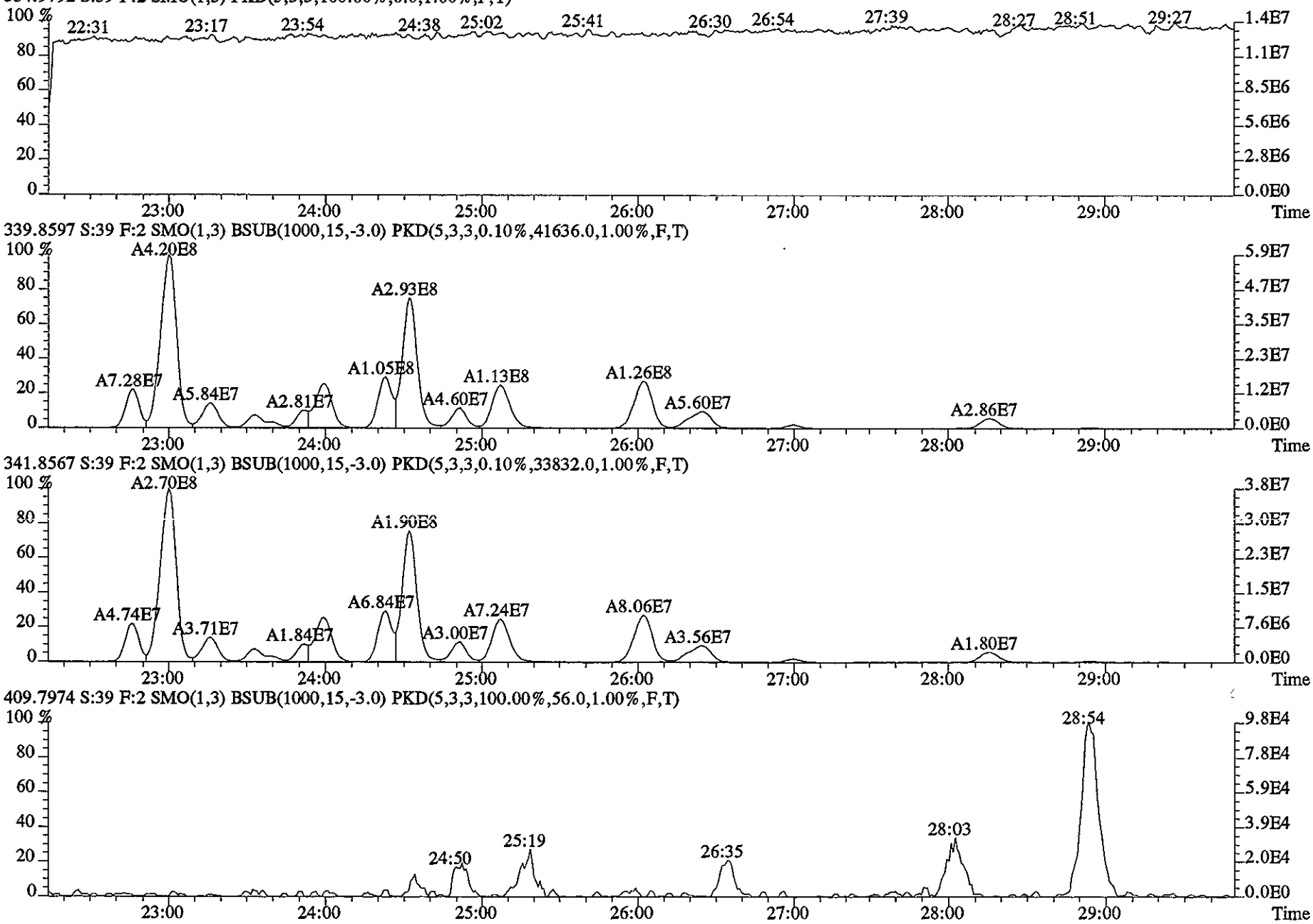
375.8364 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)



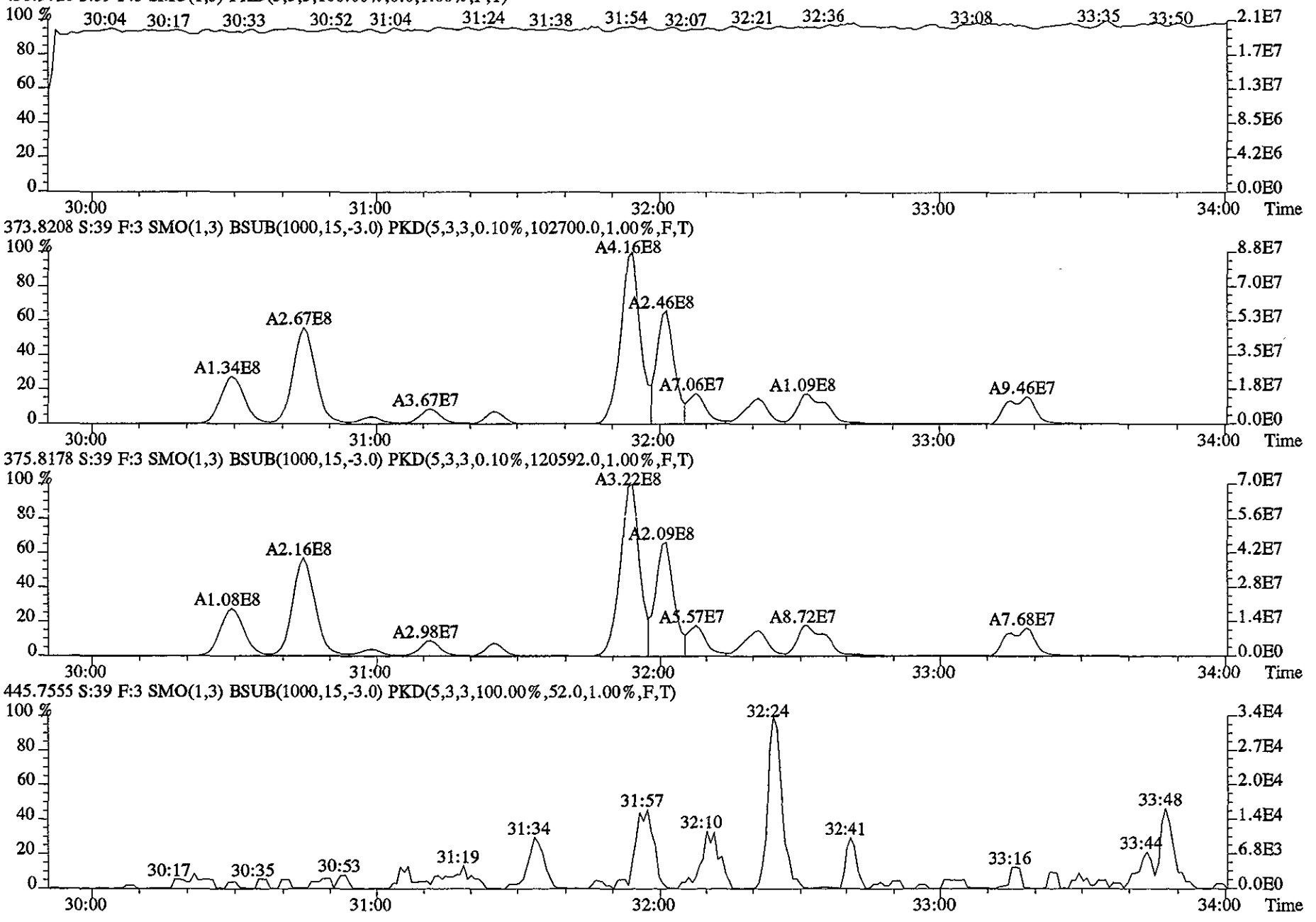
409.7974 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



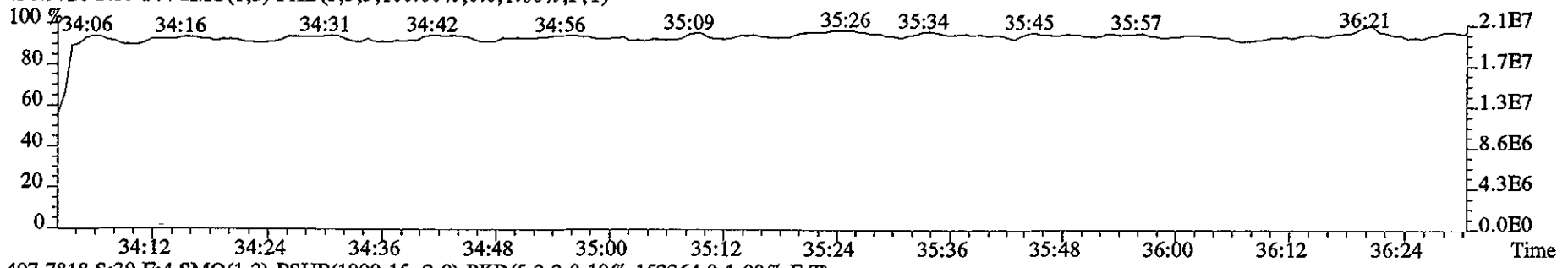
File:07MY104D5 #1-605 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

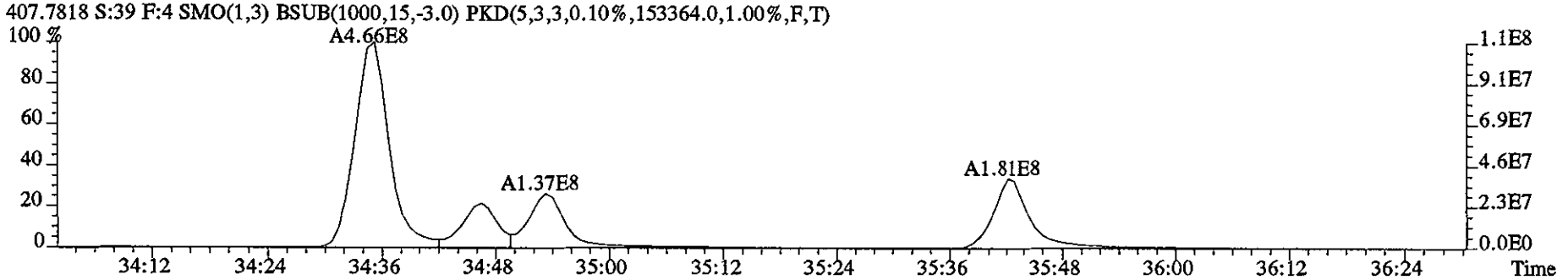


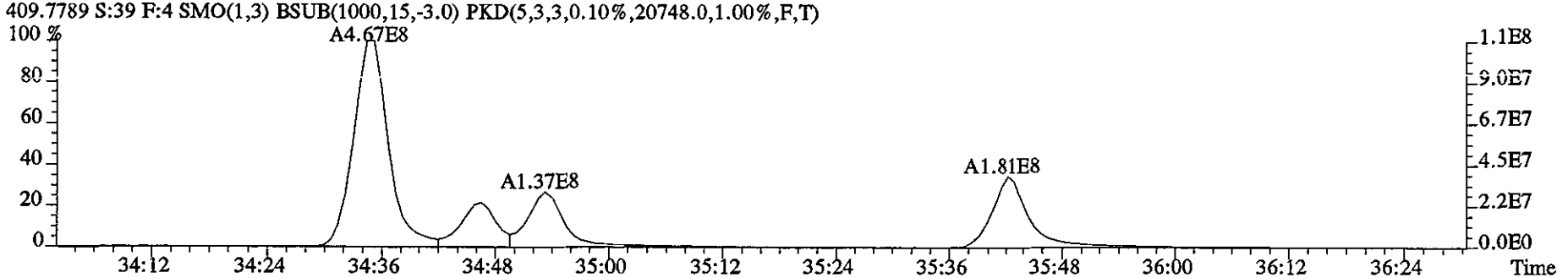
File:07MY104D5 #1-316 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

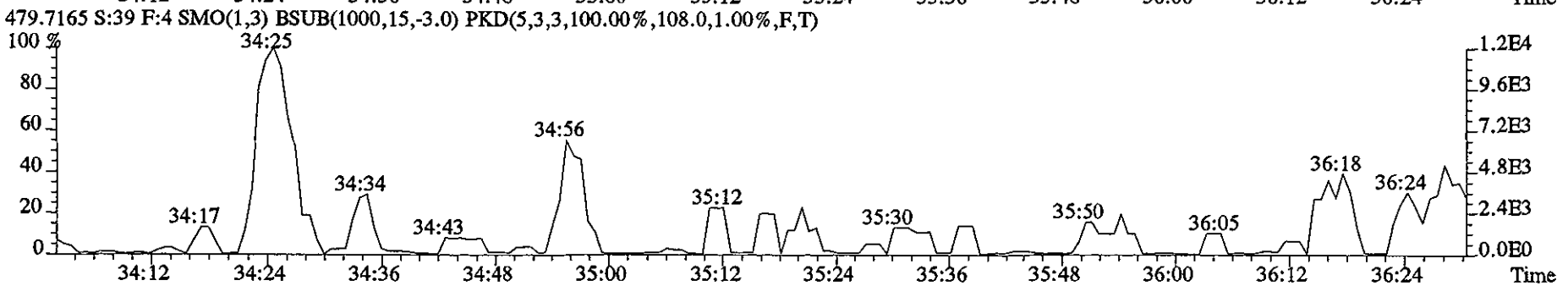


File:07MY104D5 #1-198 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A



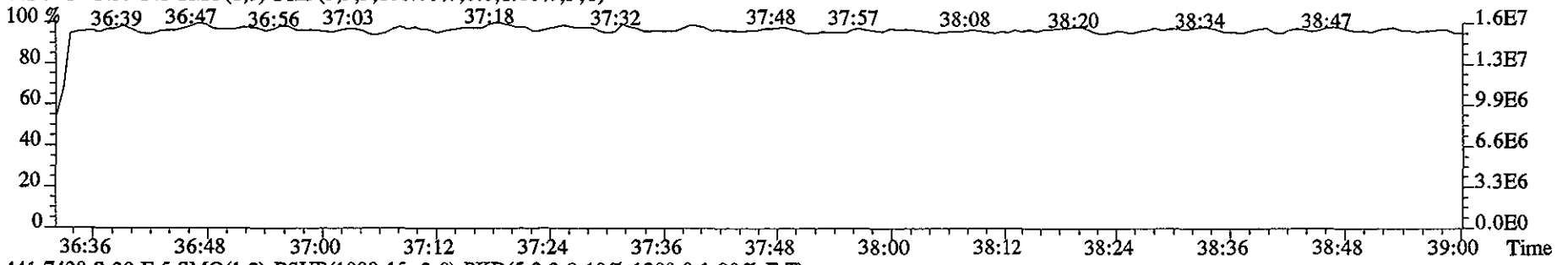




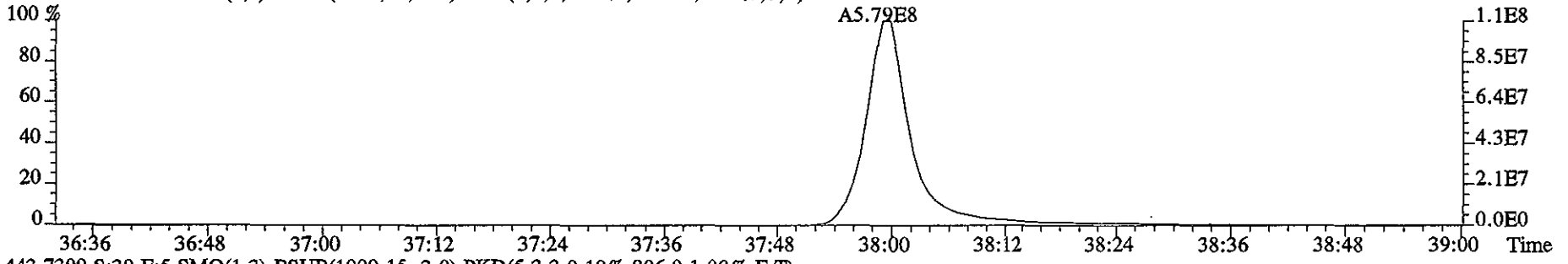


File:07MY104D5 #1-190 Acq: 8-MAY-2010 14:39:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#39 Text:LX5XP-1-AC :G0D170485-5 Exp:DIOXINRES8290A

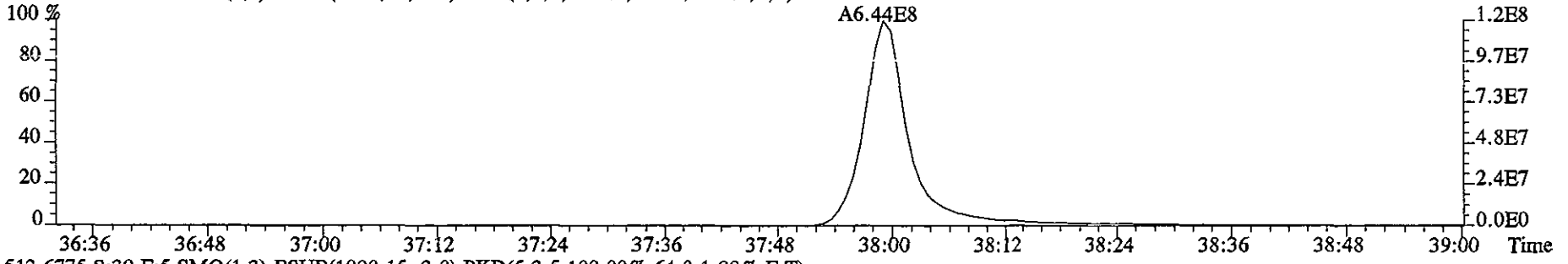
442.9728 S:39 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



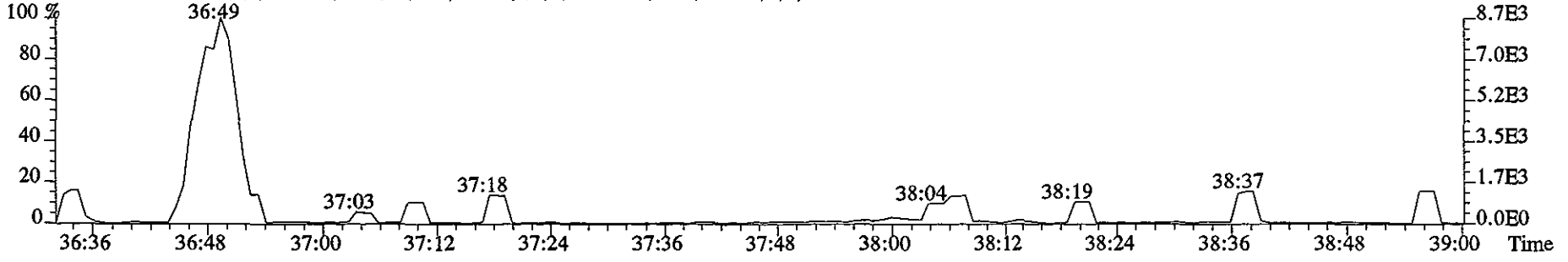
441.7428 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1200.0,1.00%,F,T)



443.7399 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,896.0,1.00%,F,T)



513.6775 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,64.0,1.00%,F,T)



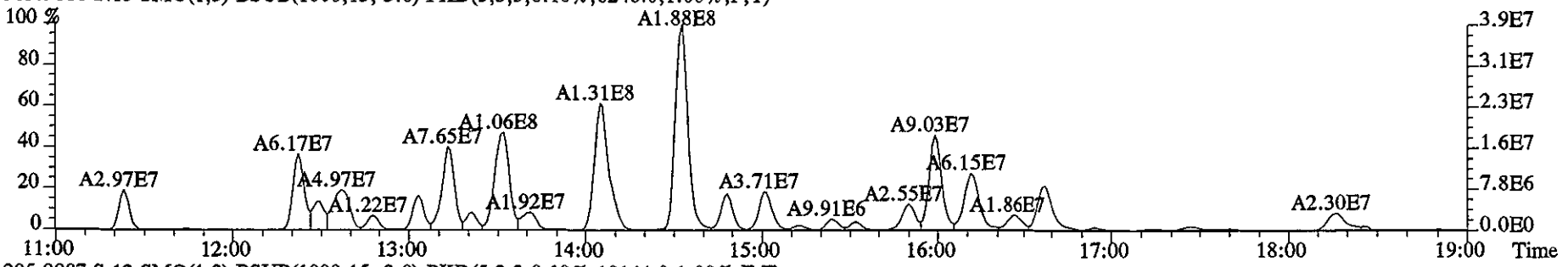
Run text: LX5XP-1-AC Sample text: LX5XP-1-AC :G0D170485-5
Run #15 Filename: 10MY105D2 S: 13 I: 1 Results: 10MY105D2DB225
Acquired: 10-MAY-10 16:07:02 Processed: 10-MAY-10 16:43:16
Run: 10MY105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0800 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	88350424	0.76	y	14:48	-	8.81	-	-	n
13C-2,3,7,8-TCDF	218238240	0.82	y	15:58	2.11	116.34	0.47	58.6	n
2,3,7,8-TCDF	207785536	0.77	y	15:59	1.09	173.56	0.22	-	n
13C-2,3,7,8-TCDD	109096512	0.77	y	14:36	0.95	129.16	0.59	65.1	n
2,3,7,8-TCDD	5188579	1.04	n	14:37	1.36	6.95	0.27	-	n
37Cl-2,3,7,8-TCDD	110391696	1.00	y	14:37	2.28	54.41	0.19	68.6	n

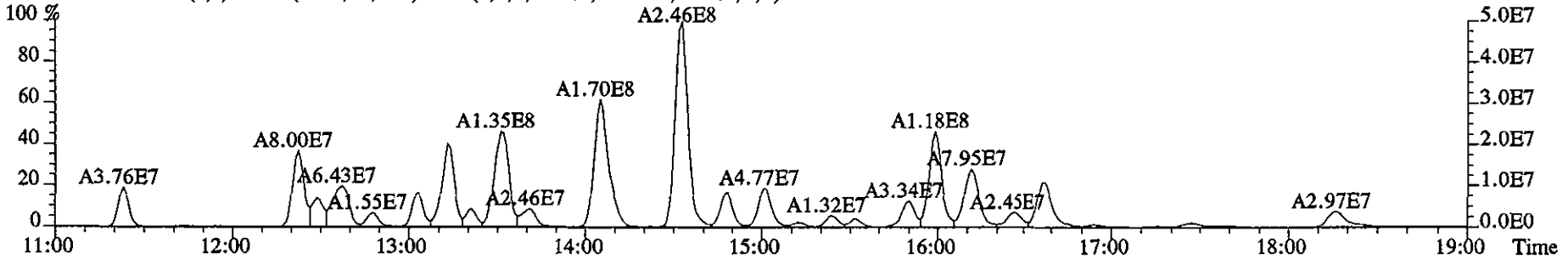
05
05-11-10

File:10MY105D2 #1-1242 Acq:10-MAY-2010 16:07:02 GC EI+ Voltage SIR 70SE
Sample#13 Text:LX5XP-1-AC :G0D170485-5 Exp:DB225RES

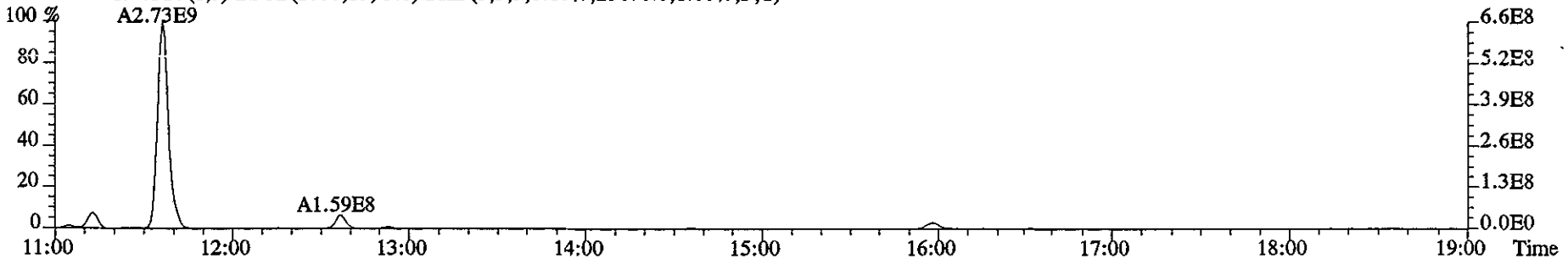
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6248.0,1.00%,F,T)



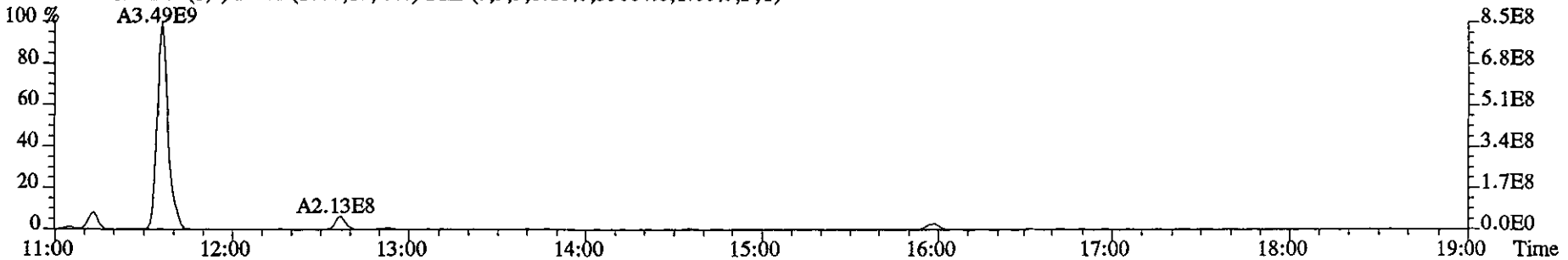
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10144.0,1.00%,F,T)



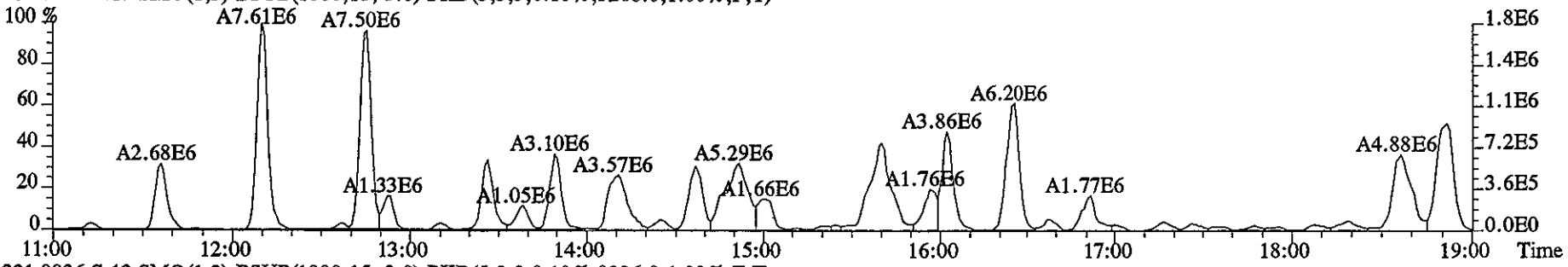
315.9419 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25676.0,1.00%,F,T)



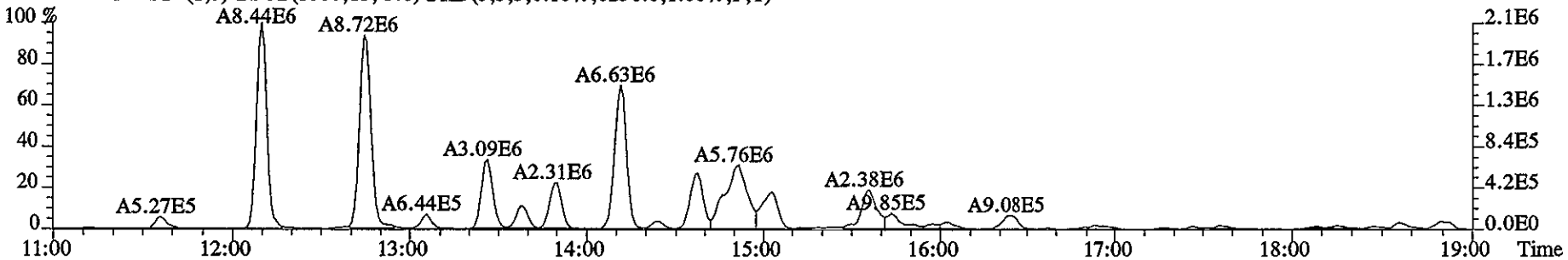
317.9389 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35664.0,1.00%,F,T)



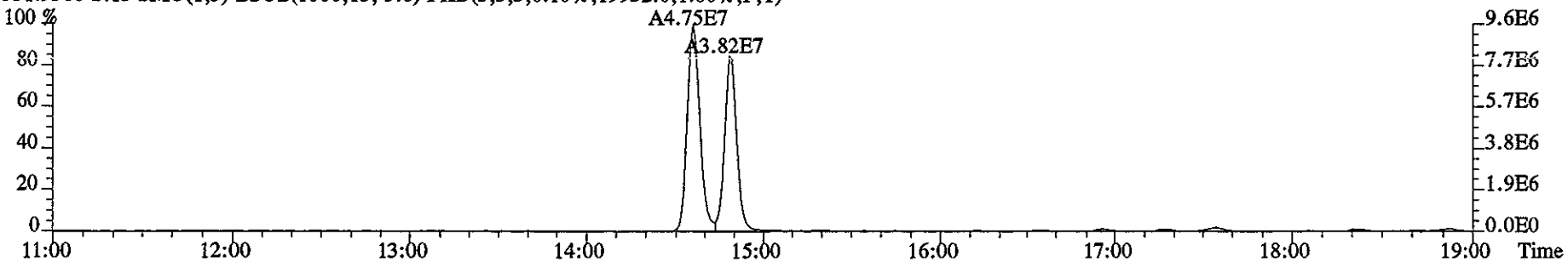
File:10MY105D2 #1-1242 Acq:10-MAY-2010 16:07:02 GC EI+ Voltage SIR 70SE
Sample#13 Text:LX5XP-1-AC :G0D170485-5 Exp:DB225RES
319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5268.0,1.00%,F,T)



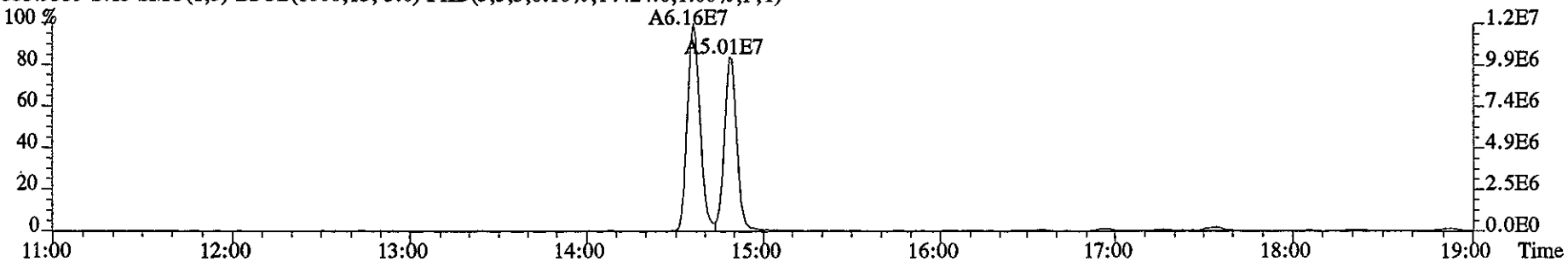
321.8936 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8236.0,1.00%,F,T)



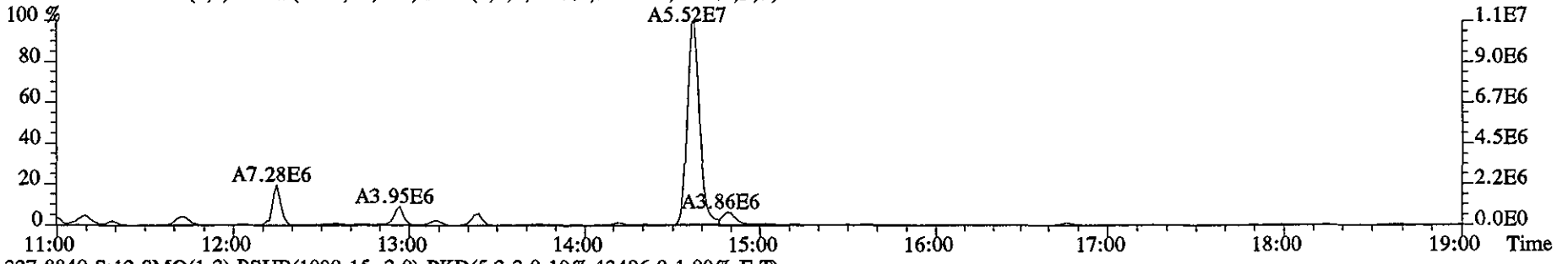
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19932.0,1.00%,F,T)

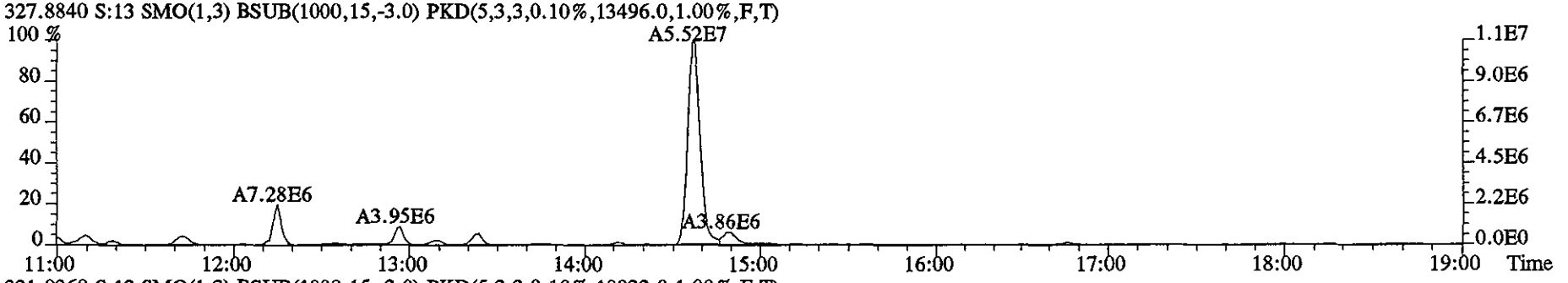


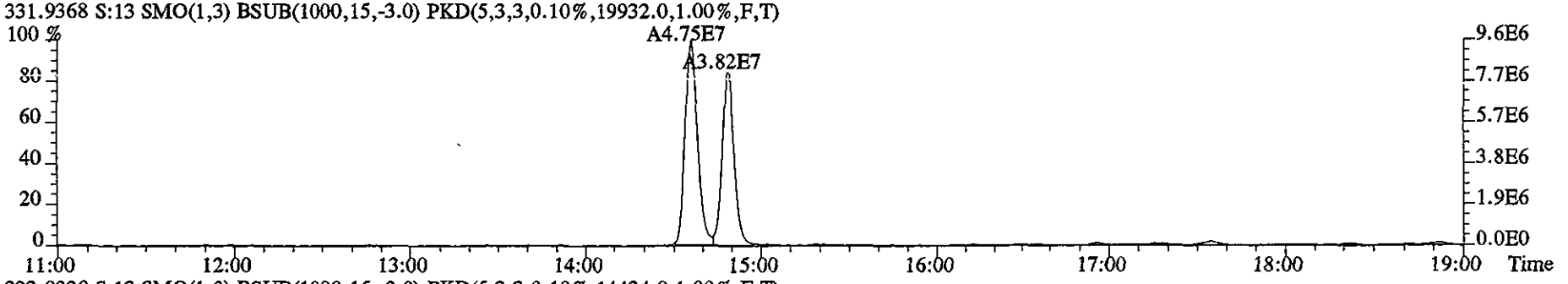
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14424.0,1.00%,F,T)

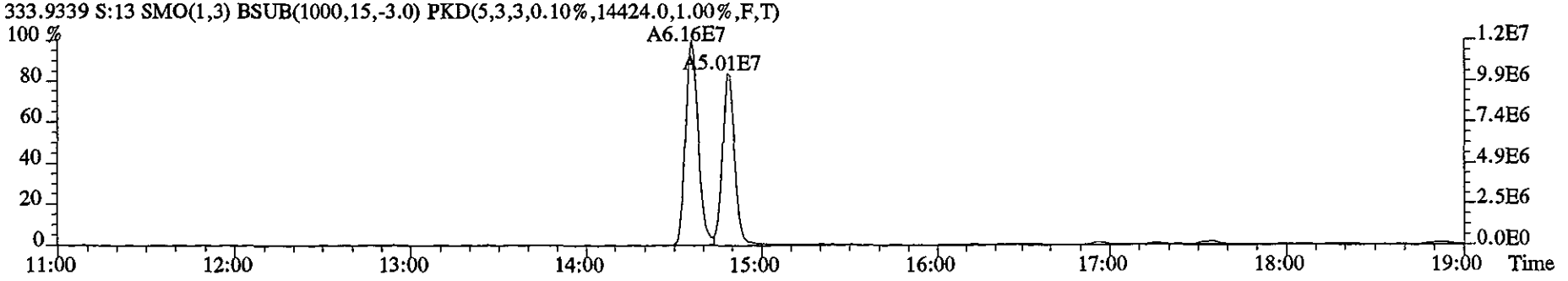


File:10MY105D2 #1-1242 Acq:10-MAY-2010 16:07:02 GC EI+ Voltage SIR 70SE
Sample#13 Text:LX5XP-1-AC :G0D170485-5 Exp:DB225RES

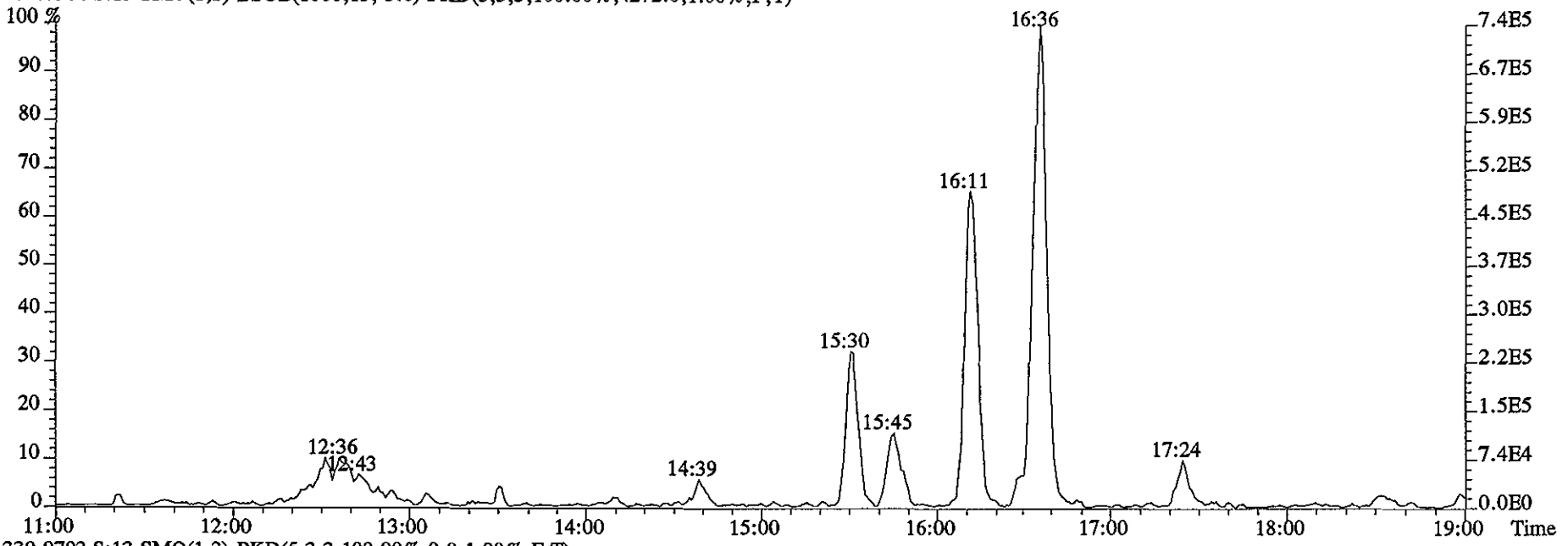




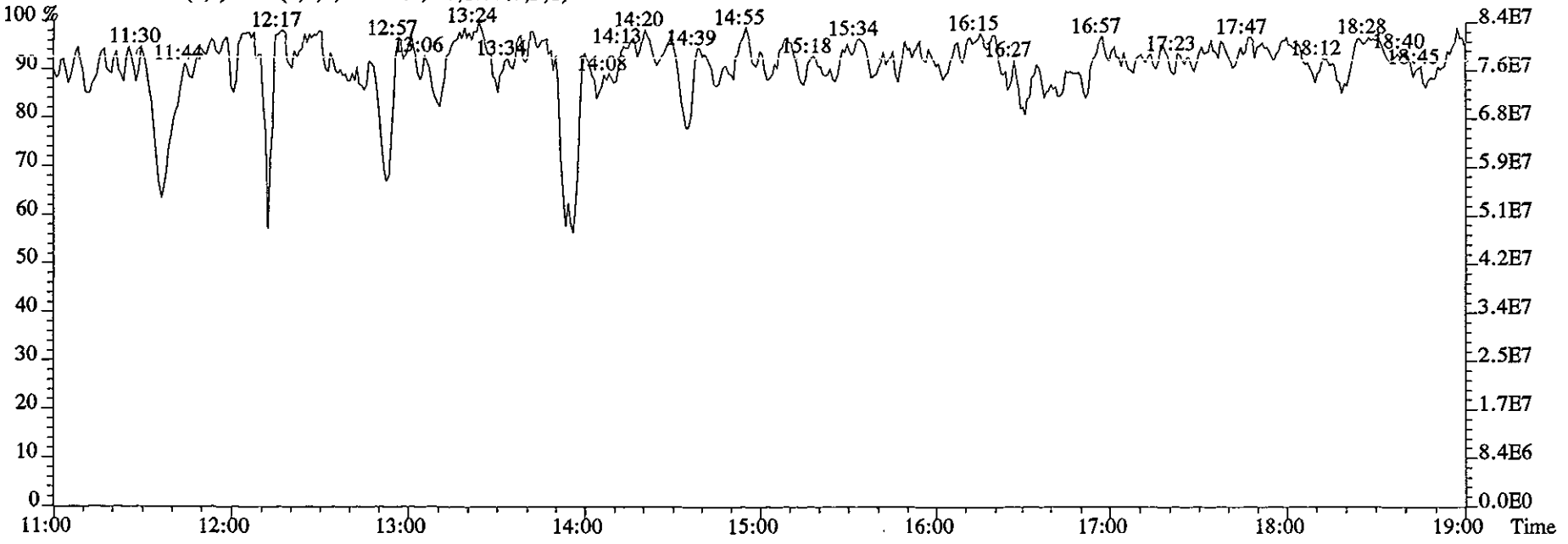




File:10MY105D2 #1-1242 Acq:10-MAY-2010 16:07:02 GC EI+ Voltage SIR 70SE
Sample#13 Text:LX5XP-1-AC :G0D170485-5 Exp:DB225RES
375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4272.0,1.00%,F,T)



330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX5XR-1-AC Sample text: LX5XR-1-AC :G0D170485-6
Run #40 Filename: 07MY104D5 S: 40 I: 1 Results: 07my104d58290aos
Acquired: 8-MAY-10 15:24:00 Processed: 8-MAY-10 20:56:28
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.14 g ✓

05-11-10

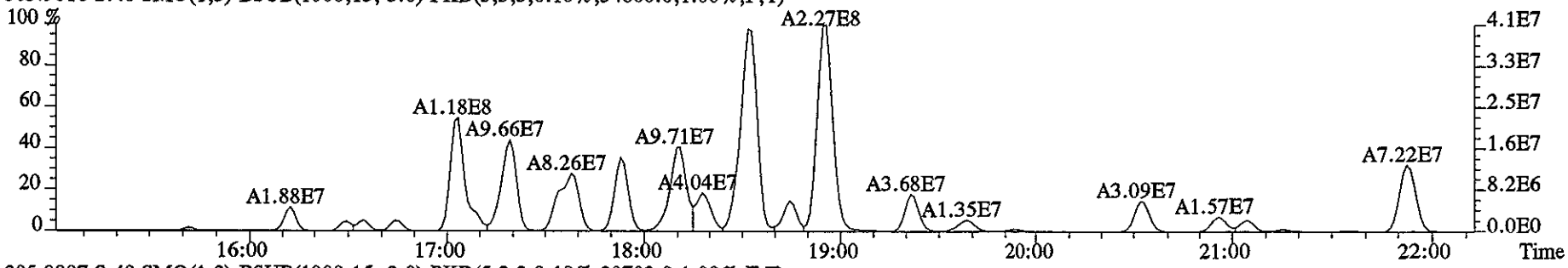
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	111587000	0.81 y	19:27	-	8.272	-	-	n
13C-2,3,7,8-TCDF	197991600	0.80 y	18:54	1.52	115.064	0.550	58.3	n
2,3,7,8-TCDF	518718000	0.78 y	18:56	0.95	~~546.637~~	0.819	-	n
Total TCDF	2809560846	0.74 y	15:42	0.95	~~2960.782~~	~~0.819~~	-	n
13C-2,3,7,8-TCDD	148526100	0.79 y	19:39	0.95	138.220	0.149	70.1	n
2,3,7,8-TCDD	4307440	0.88 y	19:40	1.02	5.602	0.157	-	n
Total TCDD	70272465	5.24 n	15:16	1.02	~~91.399~~	~~0.157~~	-	n
37Cl-2,3,7,8-TCDD	159408400	1.00 y	19:40	2.26	62.302	0.104	79.0	n
13C-1,2,3,7,8-PeCDF	156381400	1.56 y	24:31	1.05	131.586	0.592	66.7	n
1,2,3,7,8-PeCDF	492511000	1.55 y	24:31	1.04	594.576	1.281	-	n
2,3,4,7,8-PeCDF	222390100	1.56 y	26:03	0.98	285.591	1.363	-	n
Total F2 PeCDF	2427235110	1.54 y	22:46	1.01	~~3011.207~~	~~1.321~~	-	n
Total F1 PeCDF	134144832	0.46 n	16:28	1.01	~~166.946~~	~~0.229~~	-	n
13C-1,2,3,7,8-PeCDD	107083100	1.55 y	26:49	0.67	141.153	0.132	71.6	n
1,2,3,7,8-PeCDD	10046010	1.55 y	26:50	0.98	18.845	0.249	-	n
Total PeCDD	73503060	0.30 n	22:43	0.98	~~137.879~~	~~0.249~~	-	n
13C-1,2,3,7,8,9-HxCDD	92332100	1.26 y	33:04	-	8.861	-	-	n
13C-1,2,3,4,7,8-HxCDF	97709900	0.52 y	31:53	1.02	101.832	0.552	51.6	n
1,2,3,4,7,8-HxCDF	685977000	1.25 y	31:54	1.21	1141.928 E	3.462 G	-	y
1,2,3,6,7,8-HxCDF	469057000	1.25 y	32:01	1.34	705.134	3.126 G	-	y
2,3,4,6,7,8-HxCDF	87751800	1.27 y	32:35	1.22	144.924	3.435 G	-	y
1,2,3,7,8,9-HxCDF	60660100	1.17 y	33:15	1.09	112.085	3.843 G	-	y
Total HxCDF	2292362900	1.23 y	30:30	1.22	~~3743.647~~	~~3.448~~	-	y
13C-1,2,3,6,7,8-HxCDD	97581800	1.29 y	32:48	0.81	129.142	0.246	65.5	n
1,2,3,4,7,8-HxCDD	6982060	1.29 y	32:44	1.01	14.018	0.218	-	n
1,2,3,6,7,8-HxCDD	13013070	1.22 y	32:48	1.11	23.613	0.197	-	n
1,2,3,7,8,9-HxCDD	13397480	1.33 y	33:05	1.21	22.398	0.181	-	n
Total HxCDD	80932340	0.62 n	30:43	1.11	~~146.605~~	~~0.198~~	-	n
13C-1,2,3,4,6,7,8-HpCDF	64796400	0.43 y	34:35	0.86	80.233	0.659	40.7	n
1,2,3,4,6,7,8-HpCDF	909166000	1.01 y	34:35	1.31	2113.097 E	1.600	-	n
1,2,3,4,7,8,9-HpCDF	328993000	1.00 y	35:42	1.03	976.417	2.043	-	n
Total HpCDF	1676824100	1.01 y	34:35	1.17	~~4233.075~~	~~1.795~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	69200900	1.07 y	35:24	0.70	105.969	0.376	53.7	n
1,2,3,4,6,7,8-HpCDD	35776400	1.03 y	35:24	1.07	95.135	0.591	-	n
Total HpCDD	50449153	1.57 n	34:15	1.07	~~134.152~~	~~0.591~~	-	n
13C-OCDD	59139600	0.89 y	37:52	0.53	118.871	0.523	30.1	n
OCDF	1081973000	0.90 y	37:59	1.45	4993.278 E	0.258	-	n

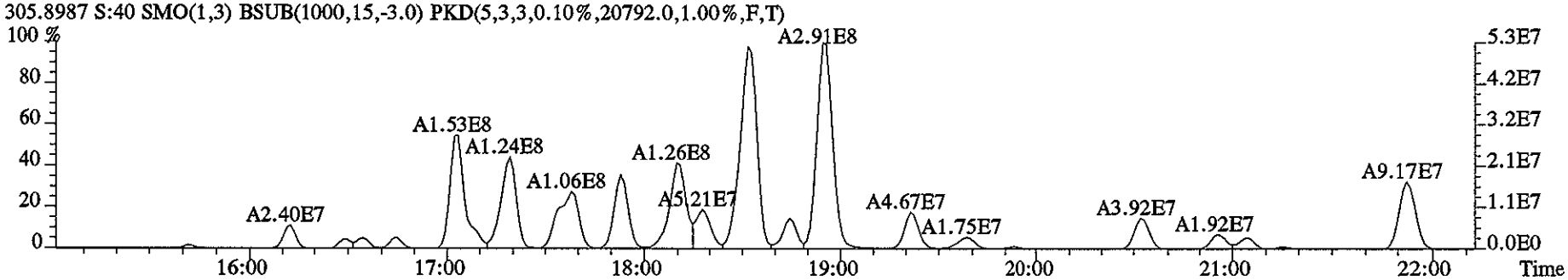
OCDD	29261600	0.91	y	37:53	1.17	167.359	1.228	-	n

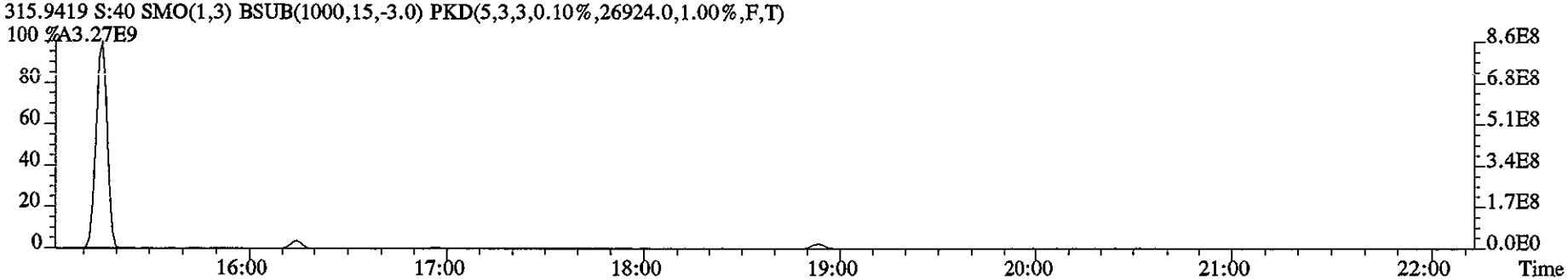
Run text: LX5XR-1-AC Sample text: LX5XR-1-AC :G0D170485-6
Run #40 Filename: 07MY104D5 S: 40 I: 1 Results: 07MY104D58290A
Acquired: 8-MAY-10 15:24:00 Processed: 8-MAY-10 20:56:28
Run: 07MY104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.14 g

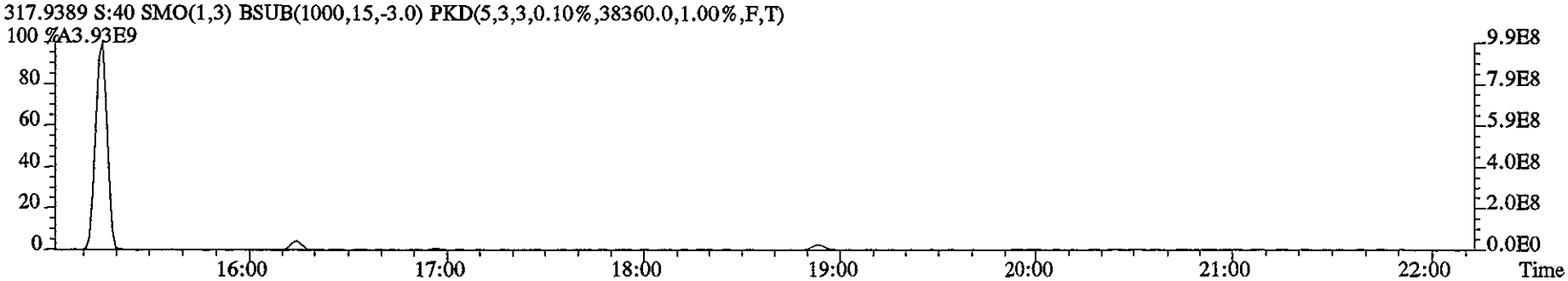
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	111587000	0.81	y	19:27	-	8.272	-	-	n
13C-2,3,7,8-TCDF	197991600	0.80	y	18:54	1.52	115.064	0.550	58.3	n
2,3,7,8-TCDF	518718000	0.78	y	18:56	0.95	546.637	0.819	-	n
Total TCDF	2809560846	0.74	y	15:42	0.95	2960.782	0.819	-	n
13C-2,3,7,8-TCDD	148526100	0.79	y	19:39	0.95	138.220	0.149	70.1	n
2,3,7,8-TCDD	4307440	0.88	y	19:40	1.02	5.602	0.157	-	n
Total TCDD	70272465	5.24	n	15:16	1.02	91.399	0.157	-	n
37Cl-2,3,7,8-TCDD	159408400	1.00	y	19:40	2.26	62.302	0.104	79.0	n
13C-1,2,3,7,8-PeCDF	156381400	1.56	y	24:31	1.05	131.586	0.592	66.7	n
1,2,3,7,8-PeCDF	492511000	1.55	y	24:31	1.04	594.576	1.281	-	n
2,3,4,7,8-PeCDF	222390100	1.56	y	26:03	0.98	285.591	1.363	-	n
Total F2 PeCDF	2427235110	1.54	y	22:46	1.01	3011.207	1.321	-	n
Total F1 PeCDF	134144832	0.46	n	16:28	1.01	166.946	0.229	-	n
13C-1,2,3,7,8-PeCDD	107083100	1.55	y	26:49	0.67	141.153	0.132	71.6	n
1,2,3,7,8-PeCDD	10046010	1.55	y	26:50	0.98	18.845	0.249	-	n
Total PeCDD	73503060	0.30	n	22:43	0.98	137.879	0.249	-	n
13C-1,2,3,7,8,9-HxCDD	92332100	1.26	y	33:04	-	8.861	-	-	n
13C-1,2,3,4,7,8-HxCDF	97709900	0.52	y	31:53	1.02	101.832	0.552	51.6	n
1,2,3,4,7,8-HxCDF	757762000	1.24	y	31:54	1.21	1261.427	3.462	-	n
1,2,3,6,7,8-HxCDF	468637000	1.25	y	32:01	1.34	704.502	3.126	-	n
2,3,4,6,7,8-HxCDF	189430900	1.24	y	32:31	1.22	312.850	3.435	-	n
1,2,3,7,8,9-HxCDF	155960200	1.24	y	33:18	1.09	288.177	3.843	-	n
Total HxCDF	2676069600	1.23	y	30:30	1.22	4397.797	3.448	-	n
13C-1,2,3,6,7,8-HxCDD	97581800	1.29	y	32:48	0.81	129.142	0.246	65.5	n
1,2,3,4,7,8-HxCDD	6982060	1.29	y	32:44	1.01	14.018	0.218	-	n
1,2,3,6,7,8-HxCDD	13013070	1.22	y	32:48	1.11	23.613	0.197	-	n
1,2,3,7,8,9-HxCDD	13397480	1.33	y	33:05	1.21	22.398	0.181	-	n
Total HxCDD	80932340	0.62	n	30:43	1.11	146.605	0.198	-	n
13C-1,2,3,4,6,7,8-HpCDF	64796400	0.43	y	34:35	0.86	80.233	0.659	40.7	n
1,2,3,4,6,7,8-HpCDF	909166000	1.01	y	34:35	1.31	2113.097	1.600	-	n
1,2,3,4,7,8,9-HpCDF	328993000	1.00	y	35:42	1.03	976.417	2.043	-	n
Total HpCDF	1676824100	1.01	y	34:35	1.17	4233.075	1.795	-	n
13C-1,2,3,4,6,7,8-HpCDD	69200900	1.07	y	35:24	0.70	105.969	0.376	53.7	n
1,2,3,4,6,7,8-HpCDD	35776400	1.03	y	35:24	1.07	95.135	0.591	-	n
Total HpCDD	50449153	1.57	n	34:15	1.07	134.152	0.591	-	n
13C-OCDD	59139600	0.89	y	37:52	0.53	118.871	0.523	30.1	n
OCDF	1081973000	0.90	y	37:59	1.45	4993.278	0.258	-	n
OCDD	29261600	0.91	y	37:53	1.17	167.359	1.228	-	n

File:07MY104D5 #1-434 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A



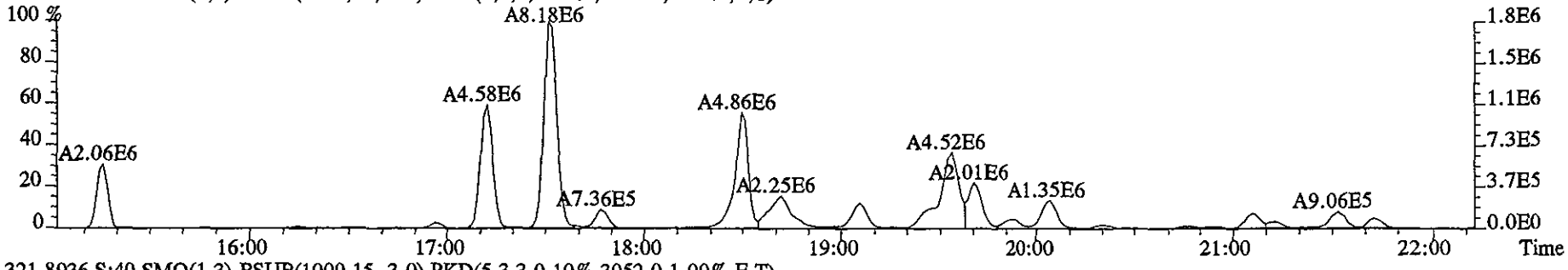




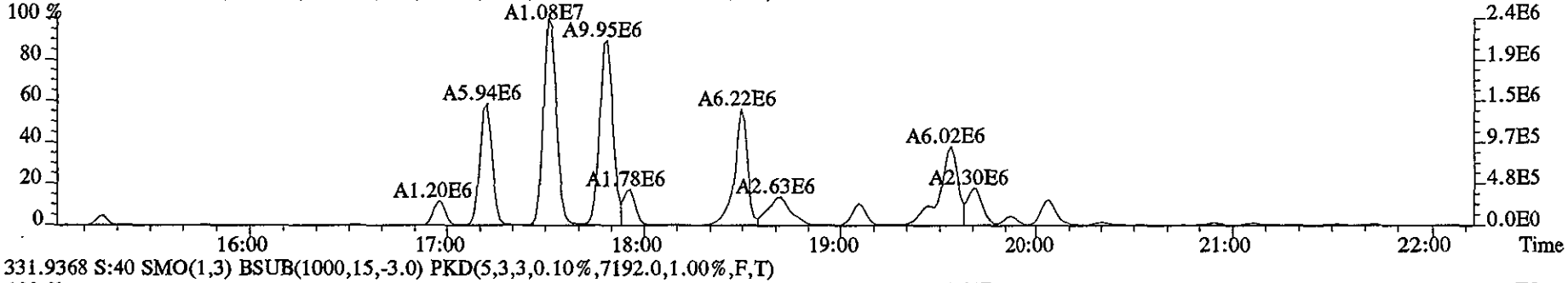


File:07MY104D5 #1-434 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

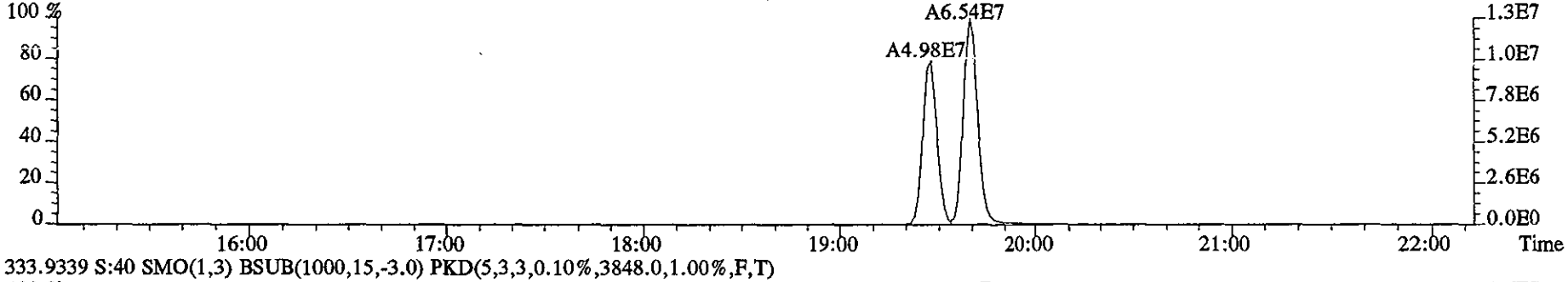
319.8965 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4852.0,1.00%,F,T)



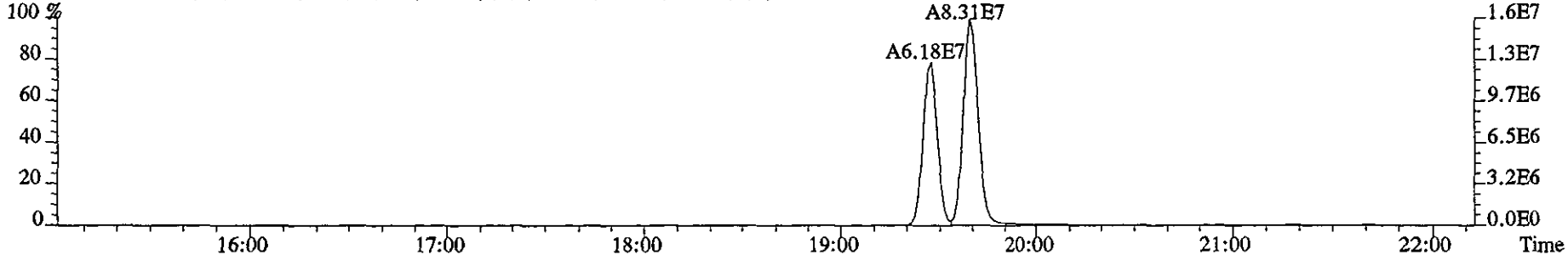
321.8936 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3052.0,1.00%,F,T)



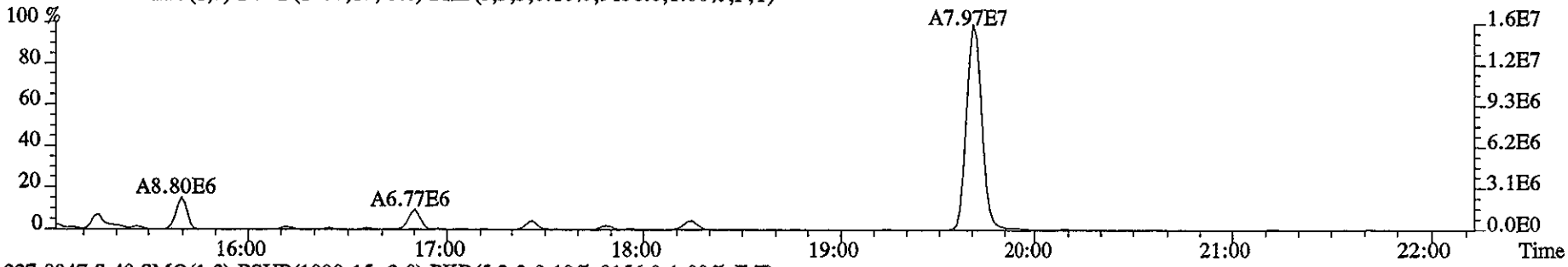
331.9368 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7192.0,1.00%,F,T)

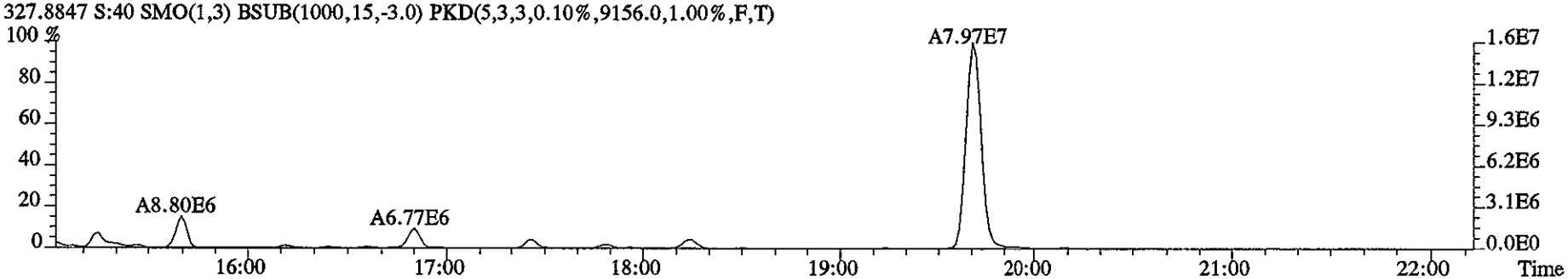


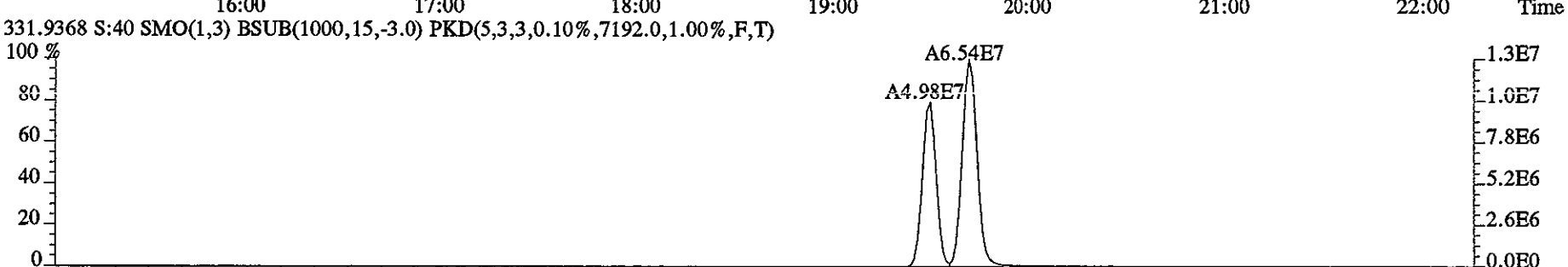
333.9339 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3848.0,1.00%,F,T)

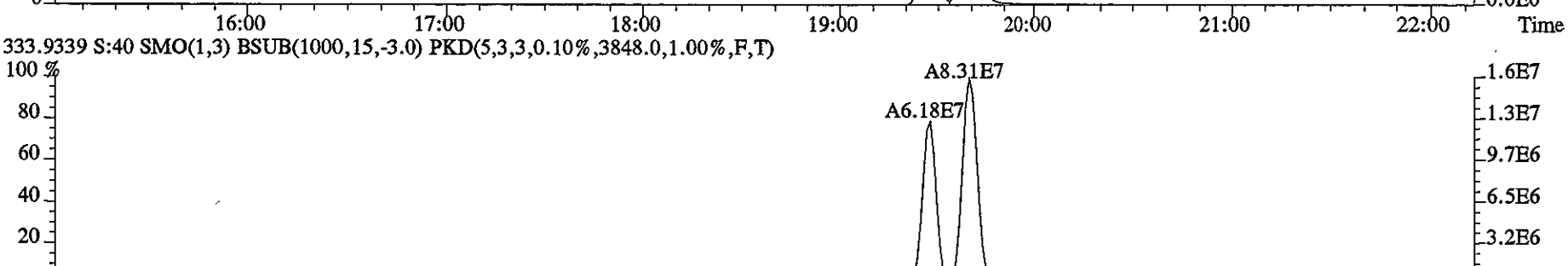


File:07MY104D5 #1-434 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A



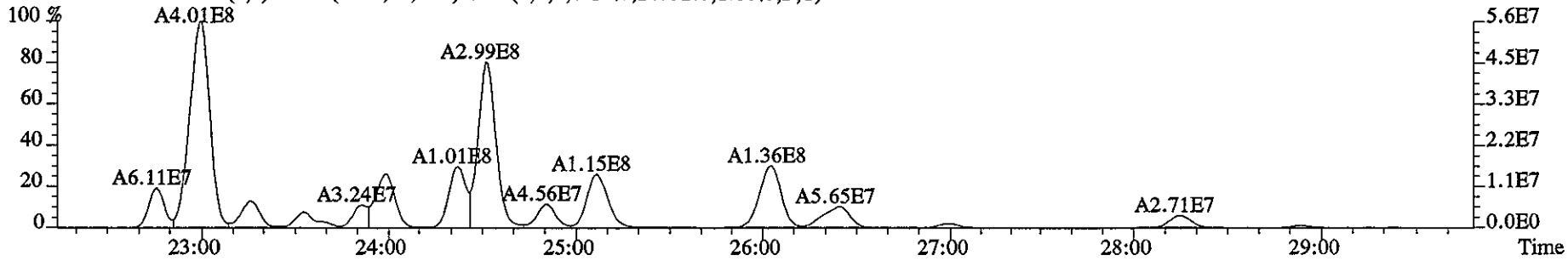




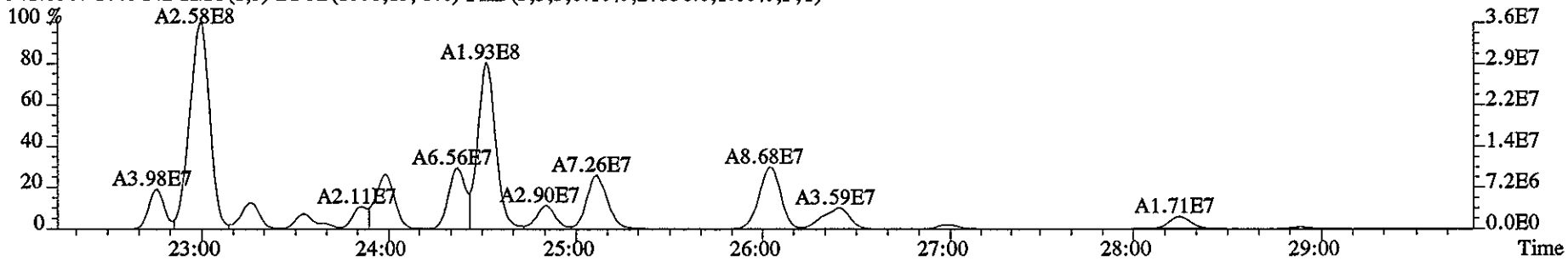


File:07MY104D5 #1-604 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

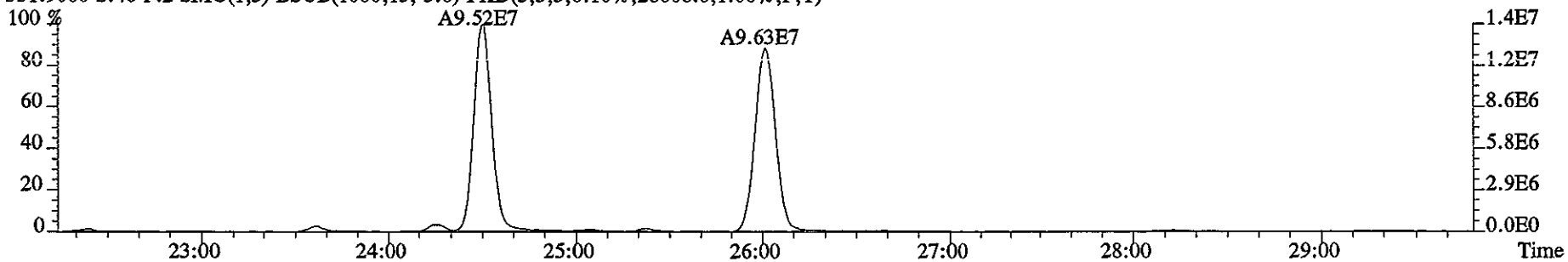
339.8597 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26332.0,1.00%,F,T)



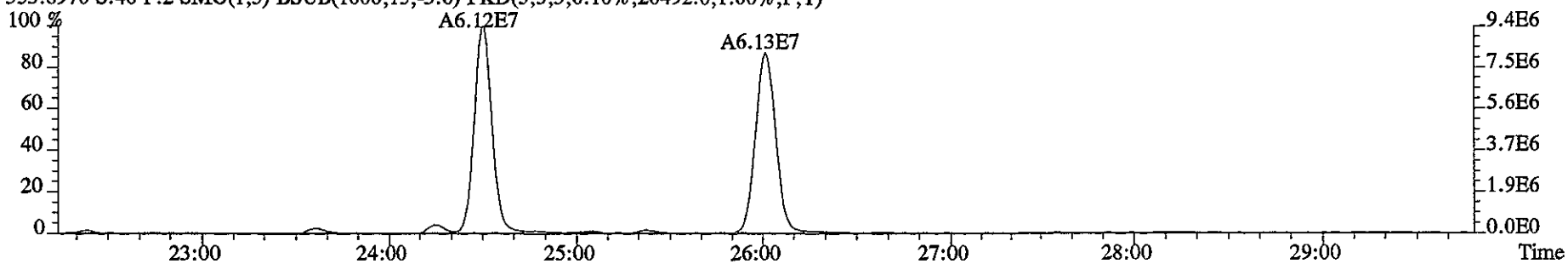
341.8567 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27336.0,1.00%,F,T)



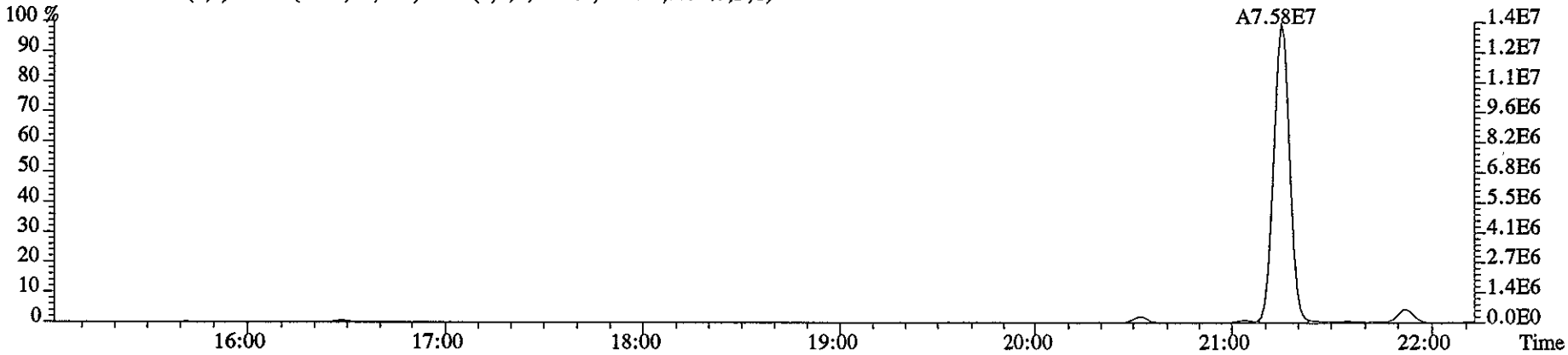
351.9000 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28008.0,1.00%,F,T)



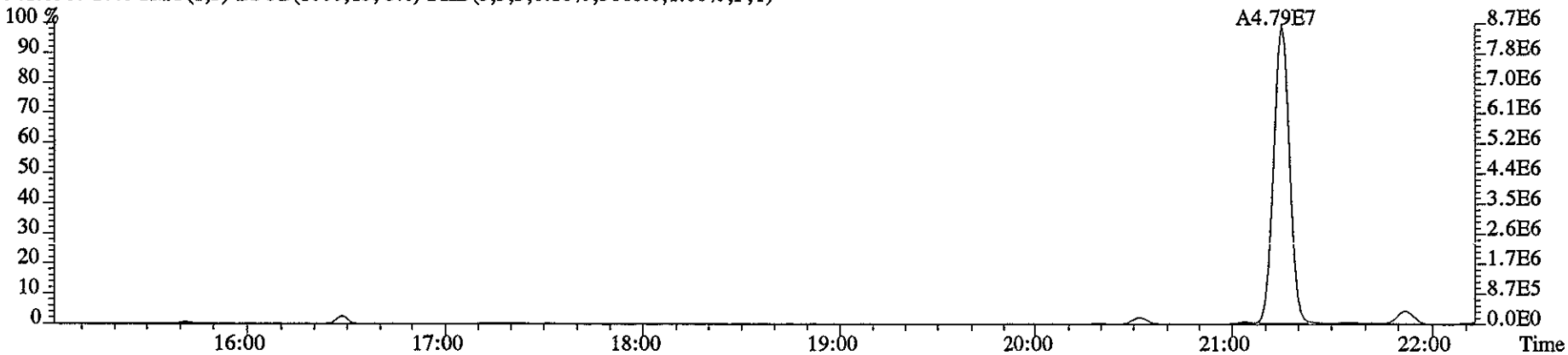
353.8970 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20492.0,1.00%,F,T)



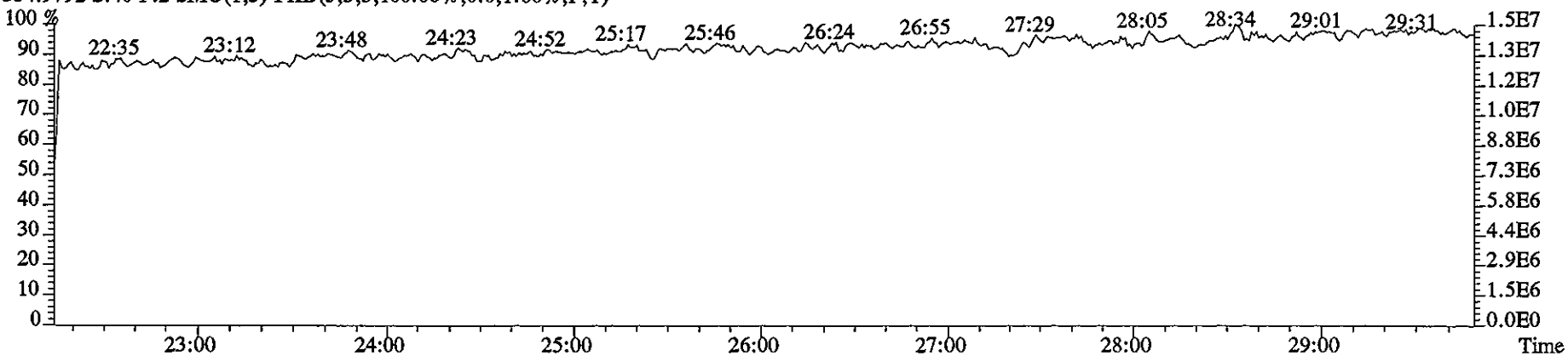
File:07MY104D5 #1-434 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A
339.8597 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3652.0,1.00%,F,T)



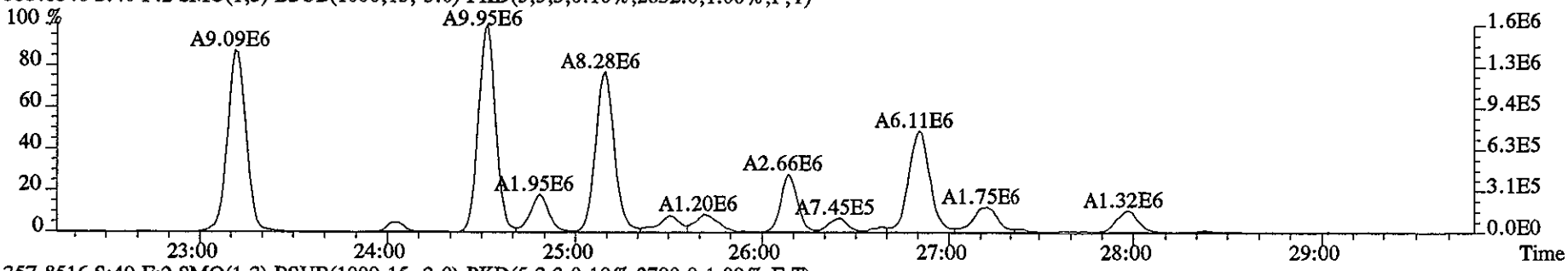
341.8567 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5668.0,1.00%,F,T)

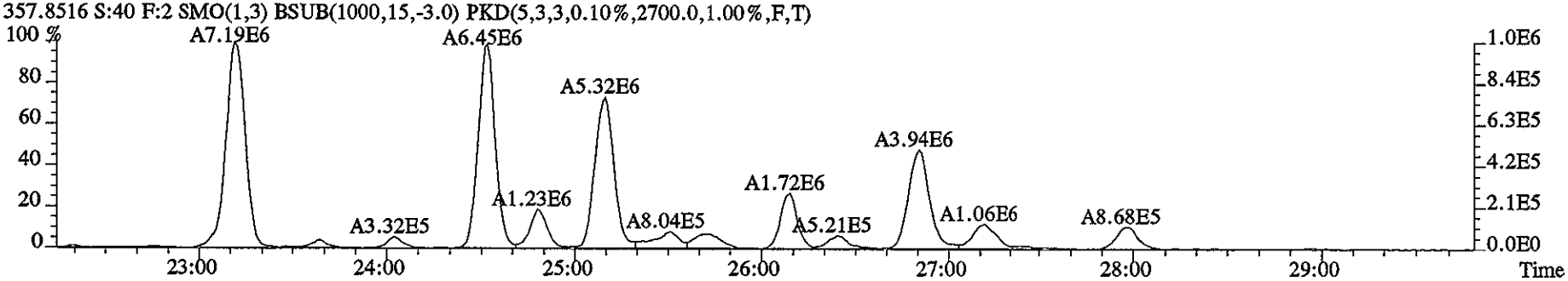


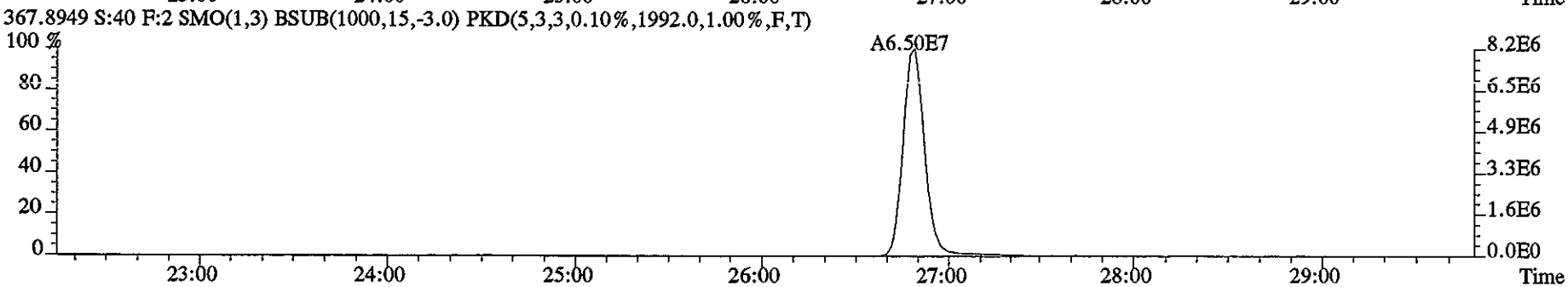
354.9792 S:40 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

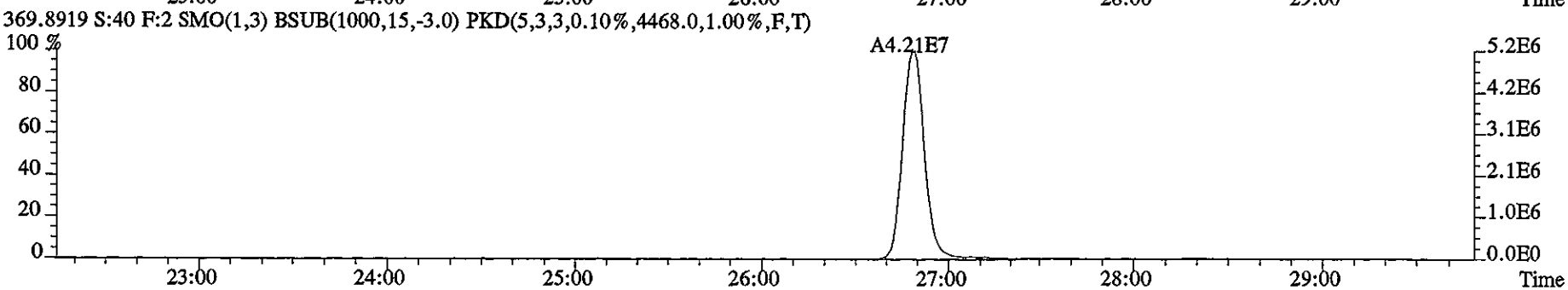


File:07MY104D5 #1-604 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

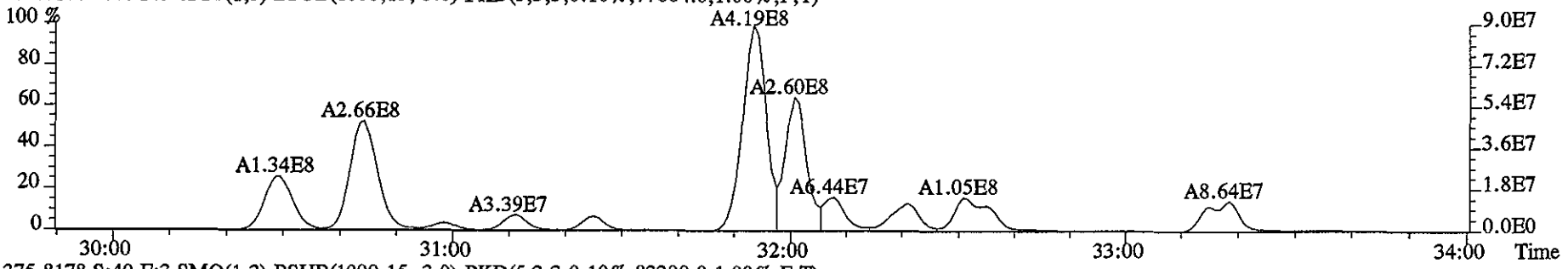


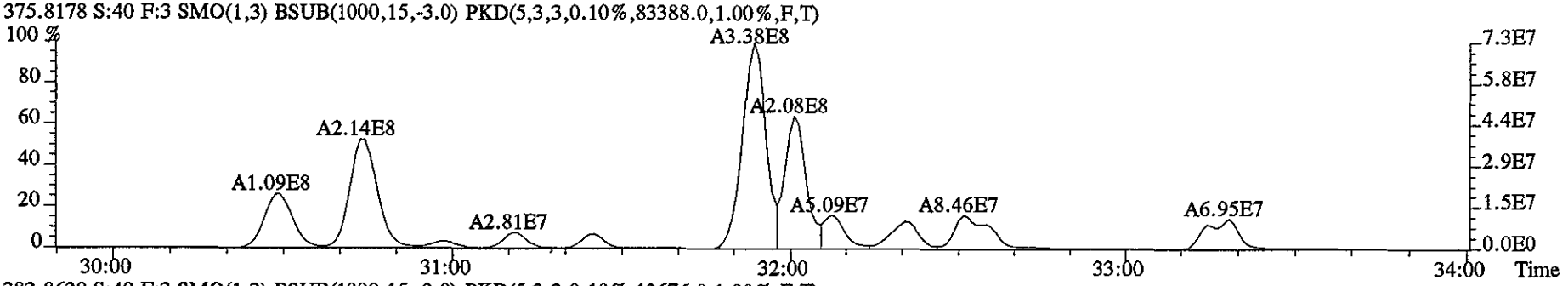


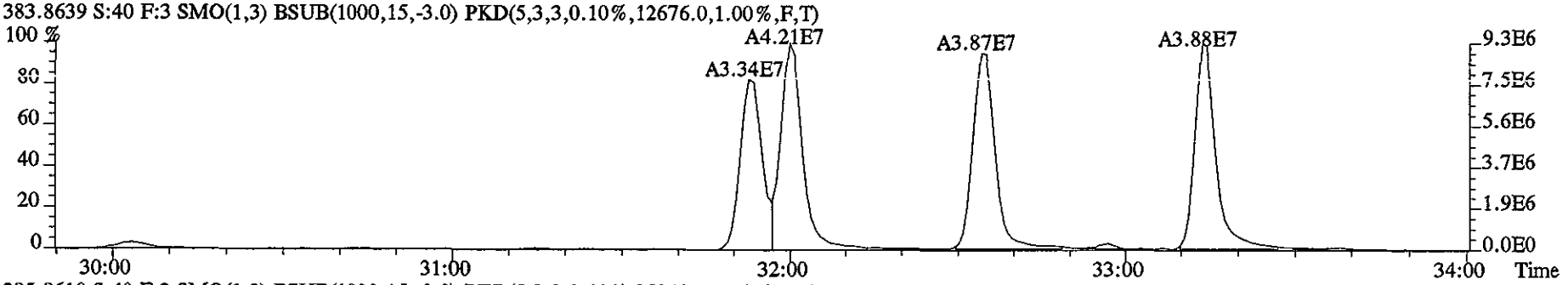


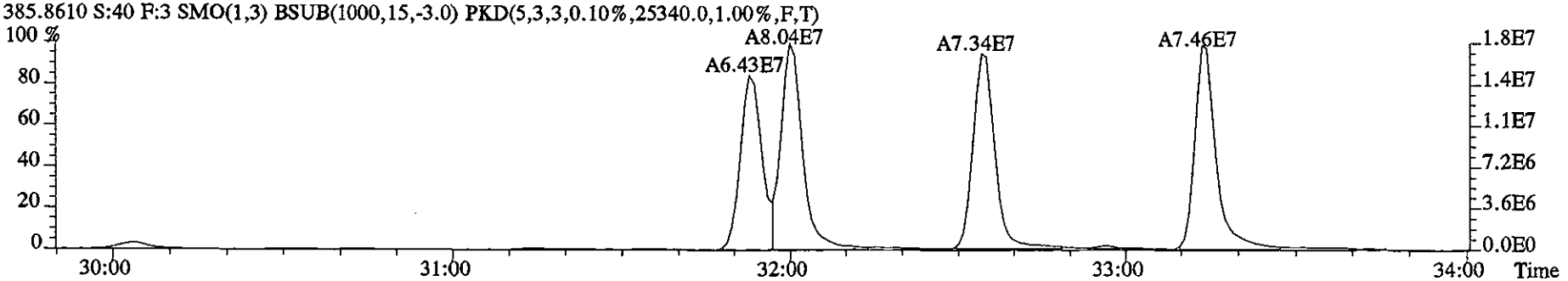


File:07MY104D5 #1-317 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A



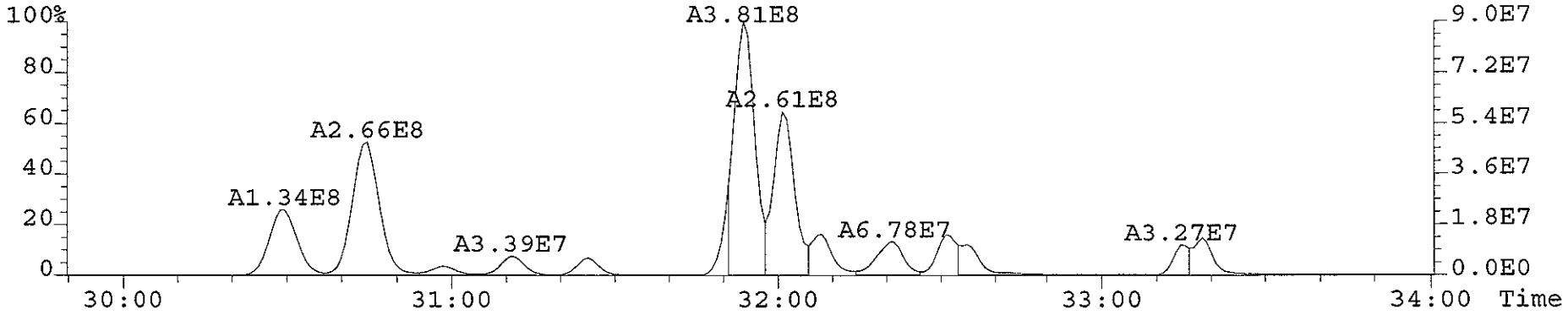




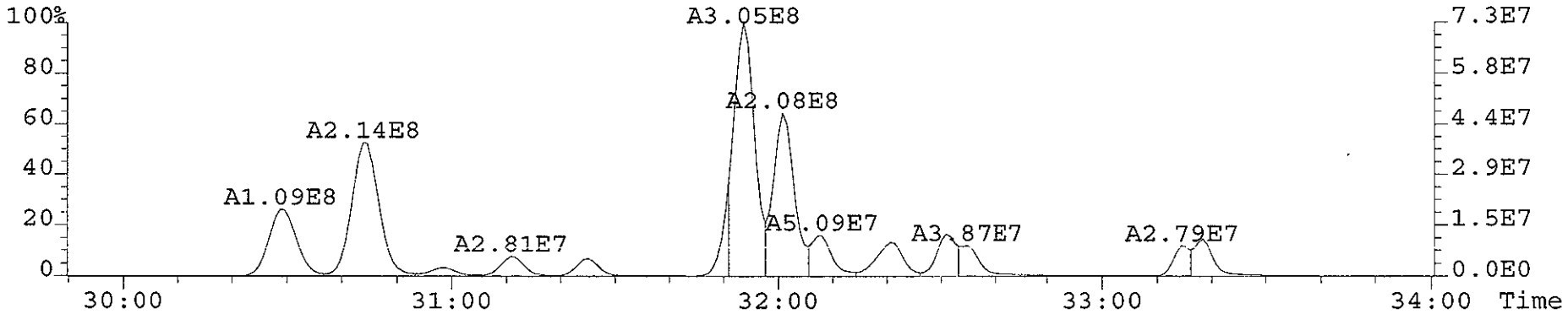


File:07MY104D5 #1-317 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

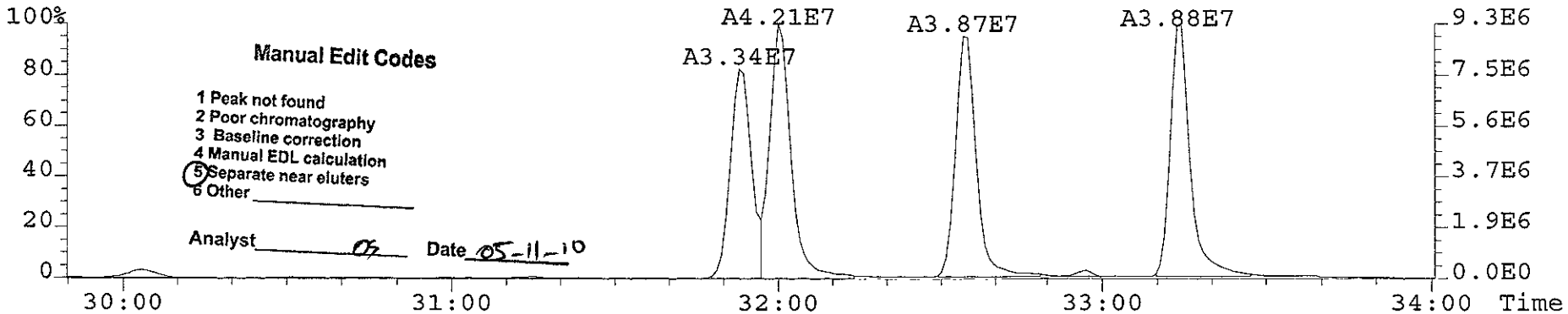
373.8208 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,77664.0,1.00%,F,T)



375.8178 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,83388.0,1.00%,F,T)



383.8639 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12676.0,1.00%,F,T)

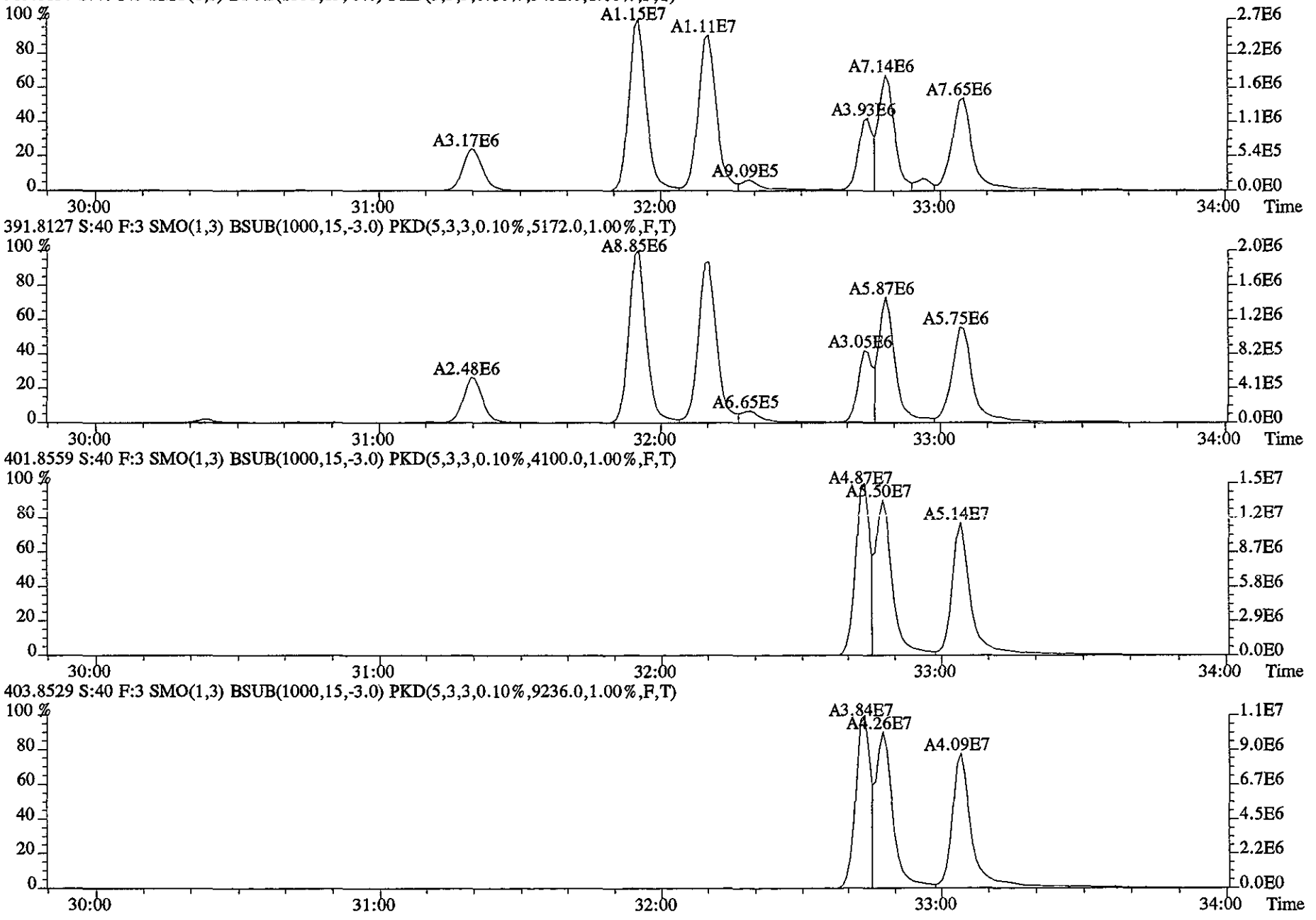


Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

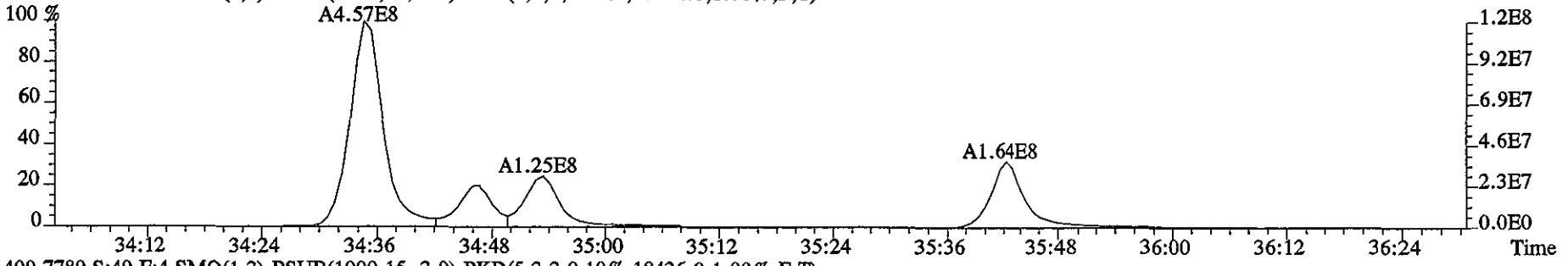
Analyst _____ Date 05-11-10

File:07MY104D5 #1-317 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

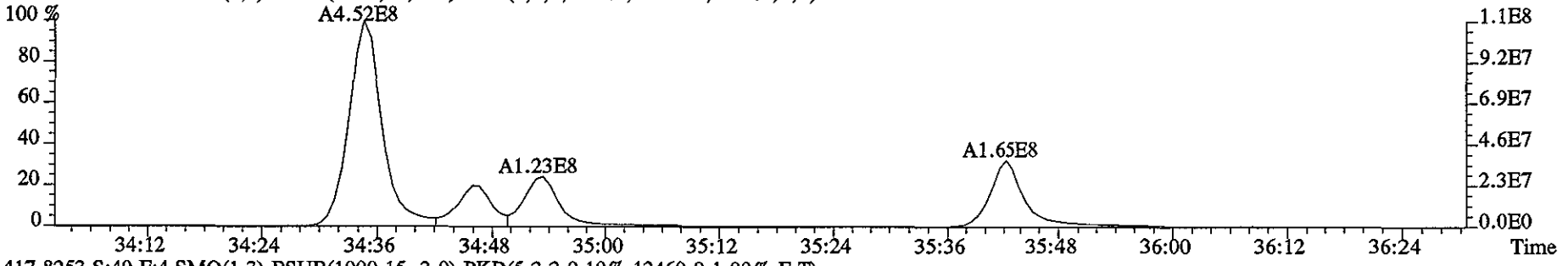


File:07MY104D5 #1-198 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

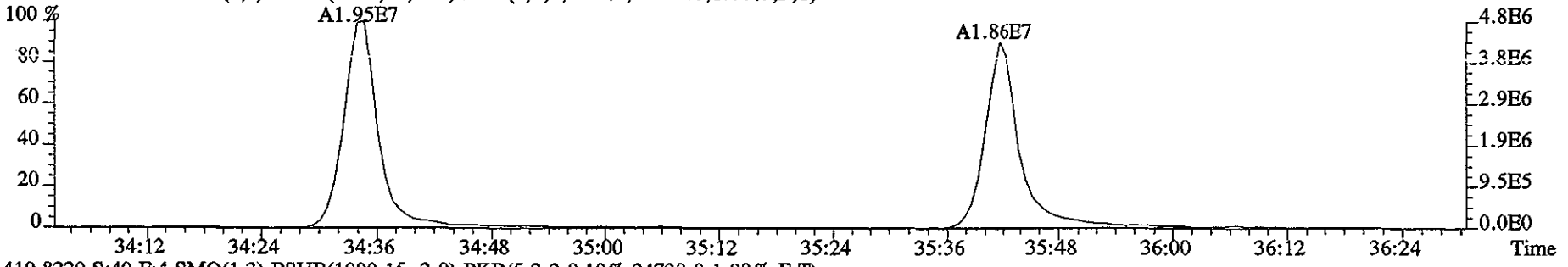
407.7818 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37352.0,1.00%,F,T)



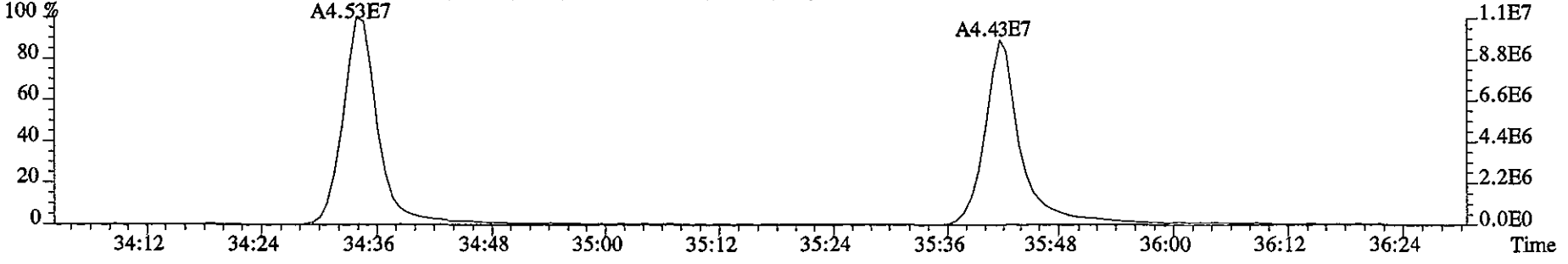
409.7789 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18436.0,1.00%,F,T)



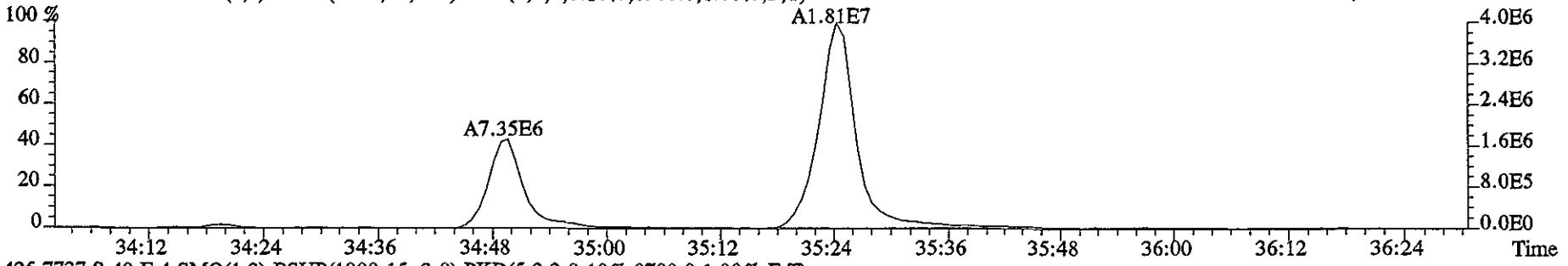
417.8253 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13460.0,1.00%,F,T)

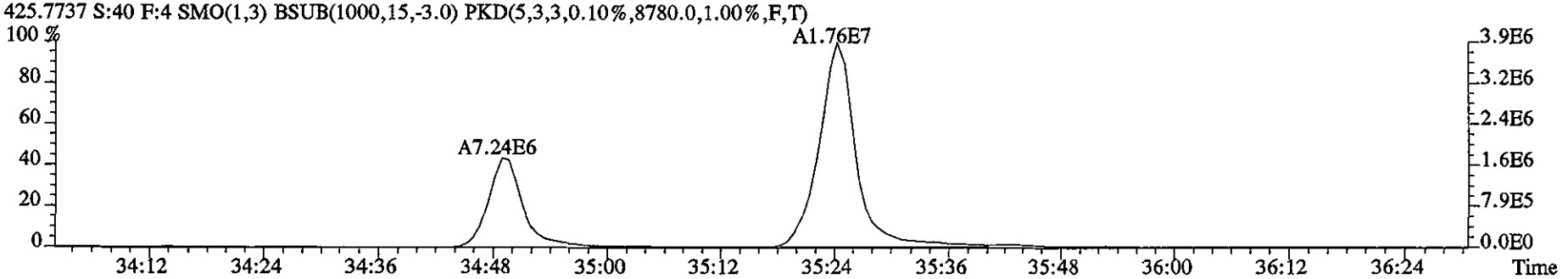


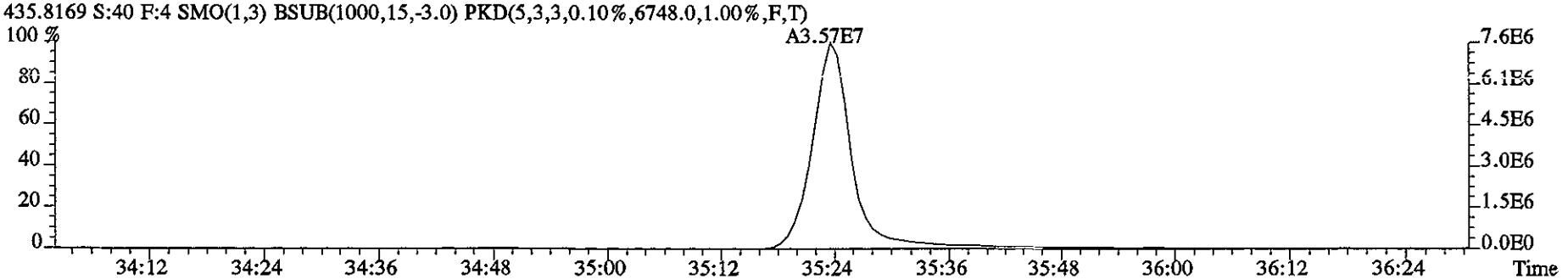
419.8220 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24720.0,1.00%,F,T)

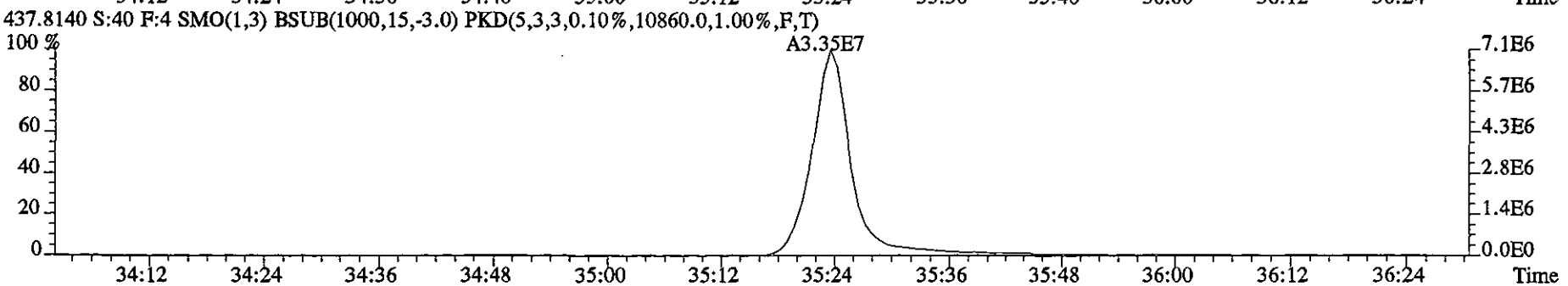


File:07MY104D5 #1-198 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

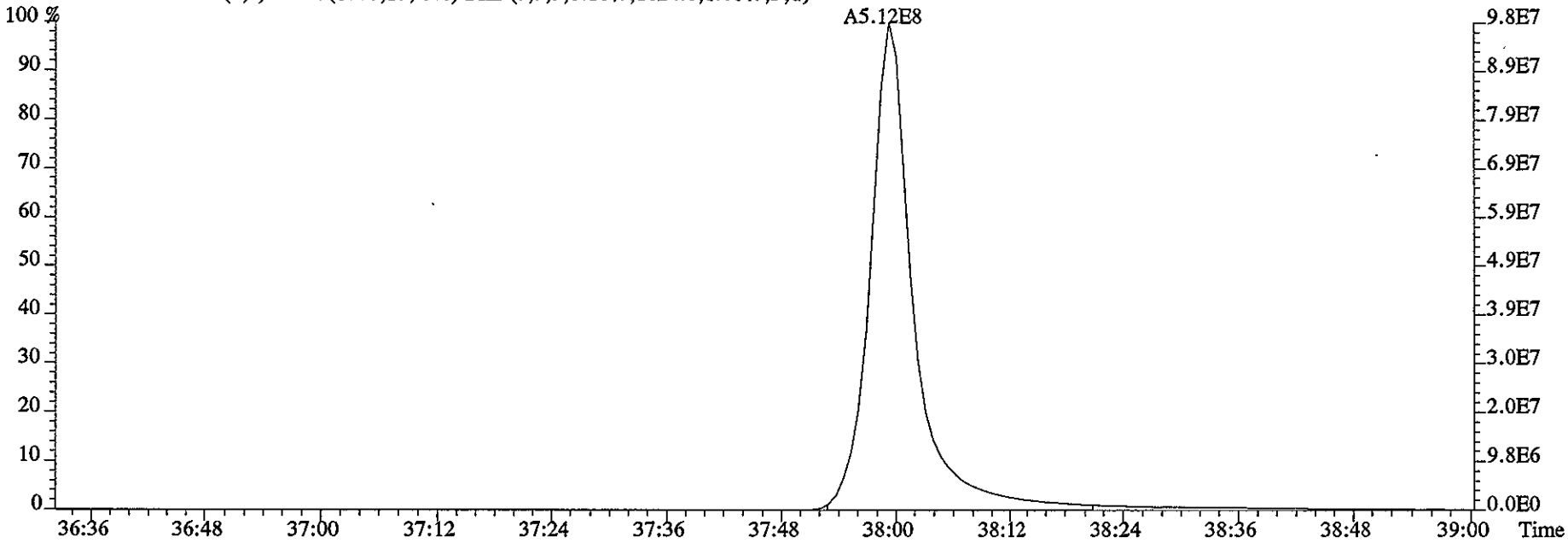




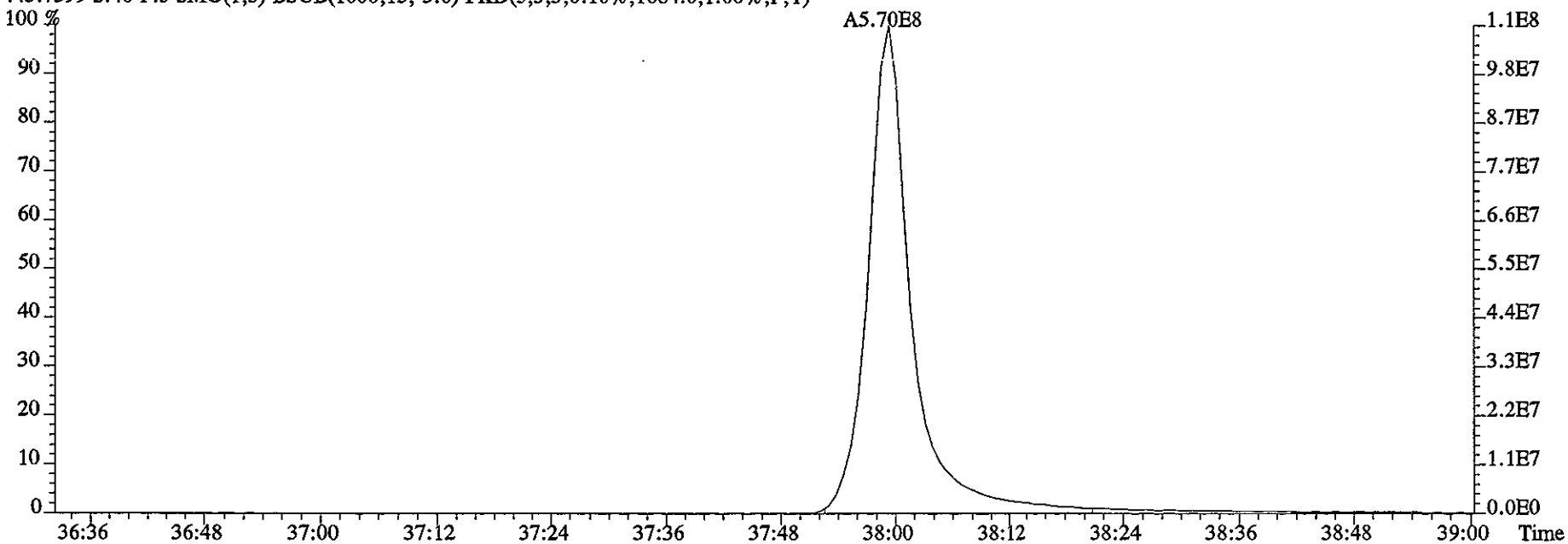




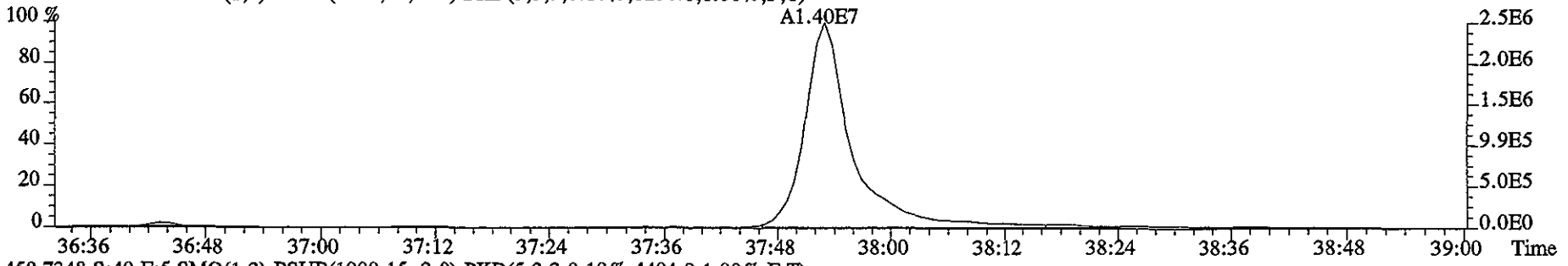
File:07MY104D5 #1-190 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A
441.7428 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1624.0,1.00%,F,T)



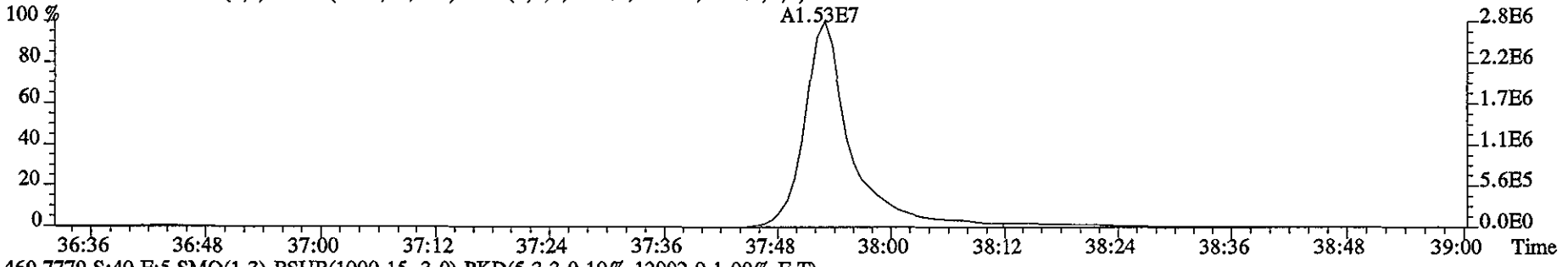
443.7399 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)



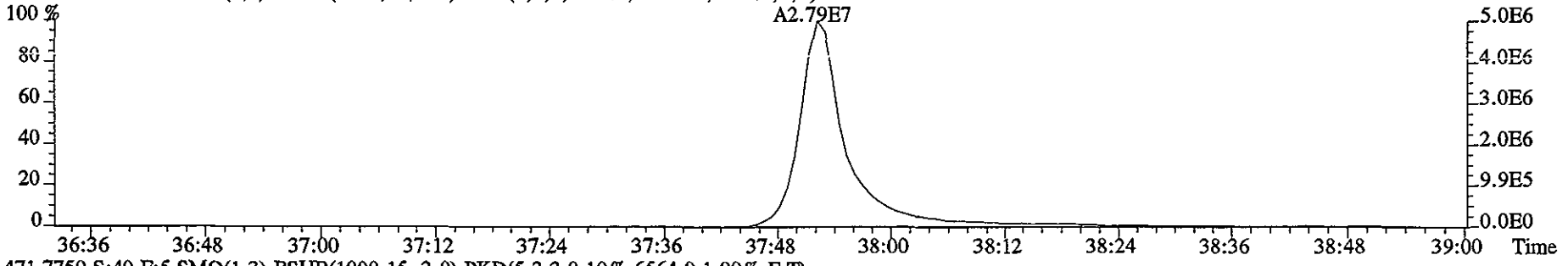
File:07MY104D5 #1-190 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A
457.7377 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8236.0,1.00%,F,T)



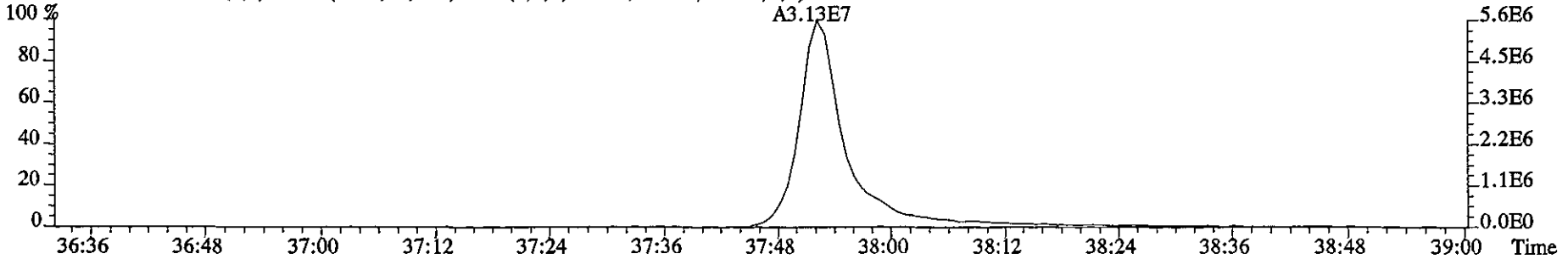
459.7348 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4484.0,1.00%,F,T)



469.7779 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12092.0,1.00%,F,T)

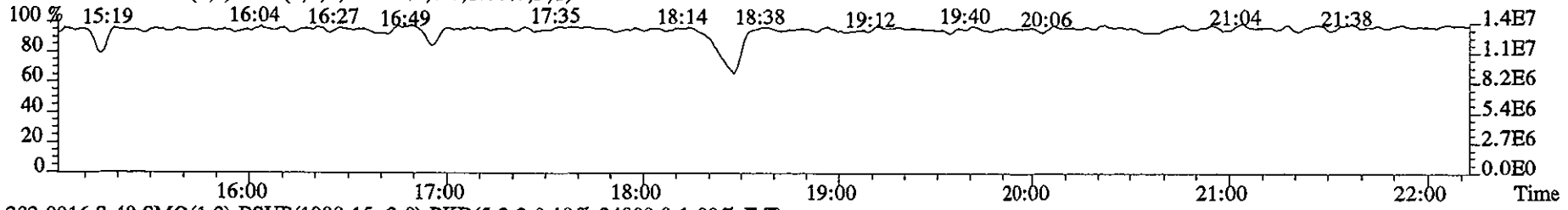


471.7750 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6564.0,1.00%,F,T)

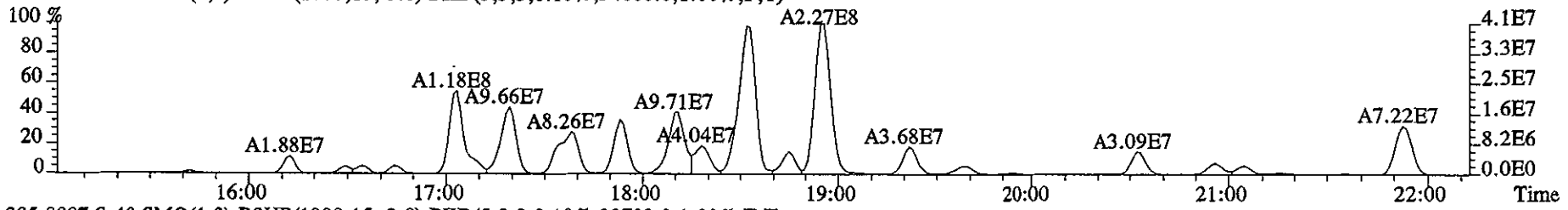


File:07MY104D5 #1-434 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

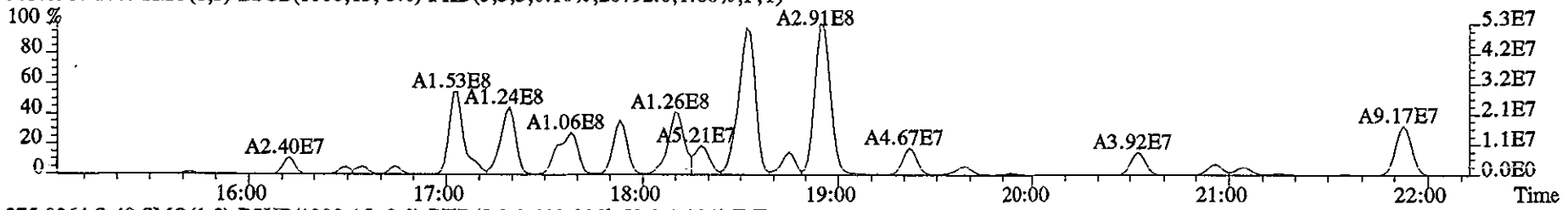
354.9792 S:40 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



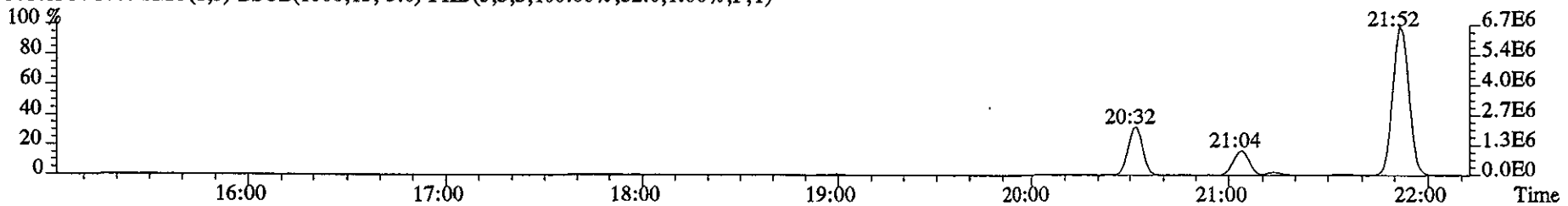
303.9016 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34800.0,1.00%,F,T)



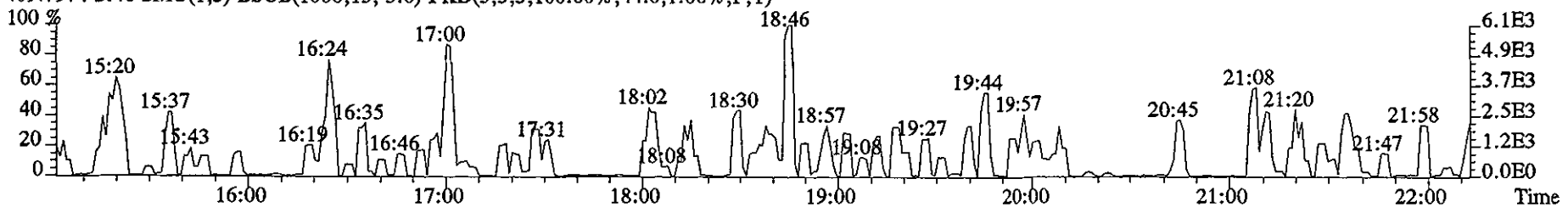
305.8987 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20792.0,1.00%,F,T)



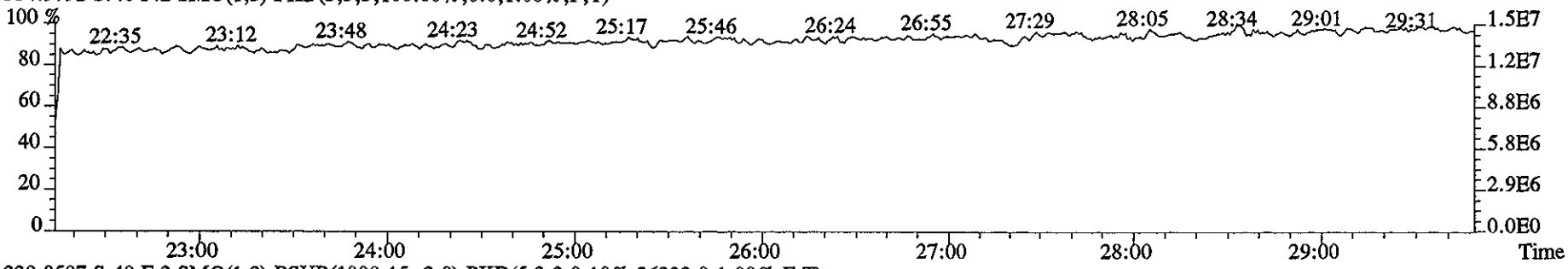
375.8364 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



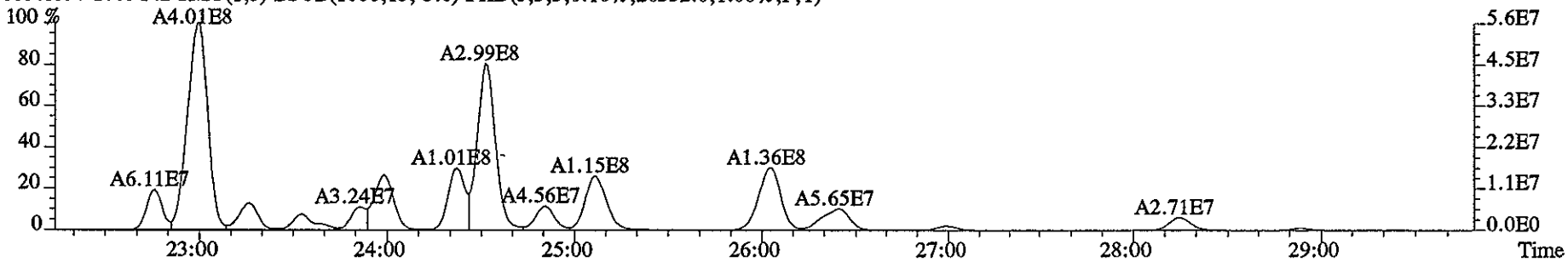
409.7974 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,44.0,1.00%,F,T)



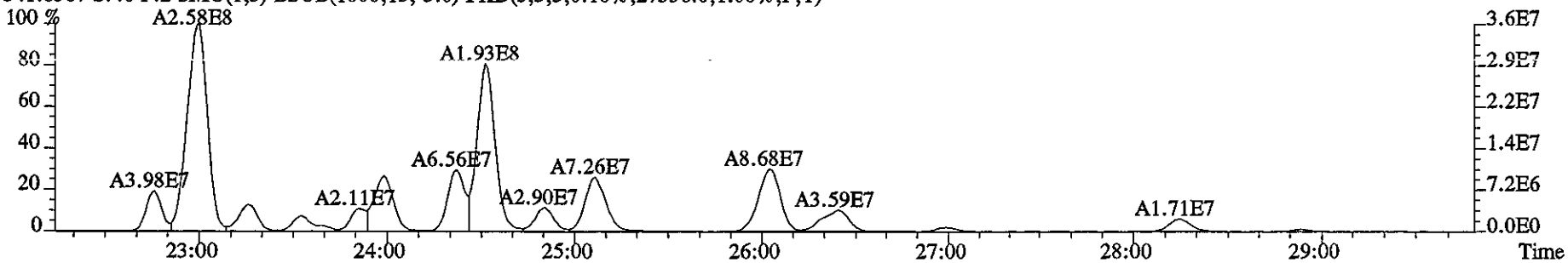
File:07MY104D5 #1-604 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A
354.9792 S:40 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



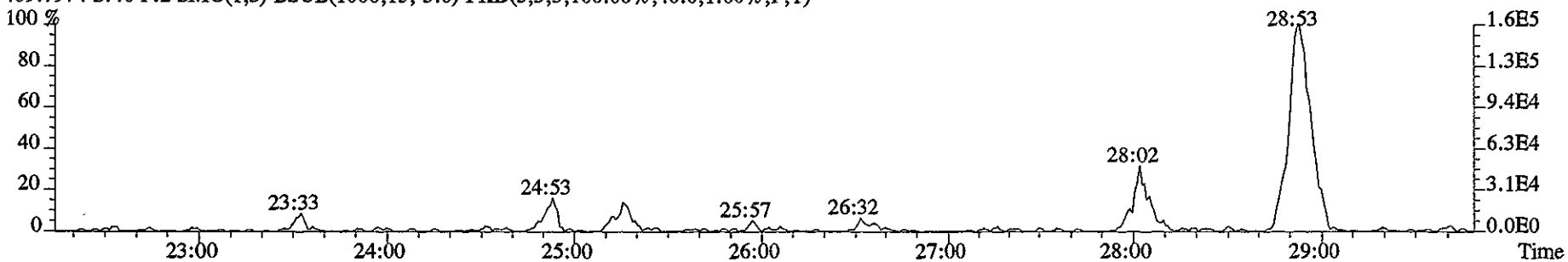
339.8597 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26332.0,1.00%,F,T)



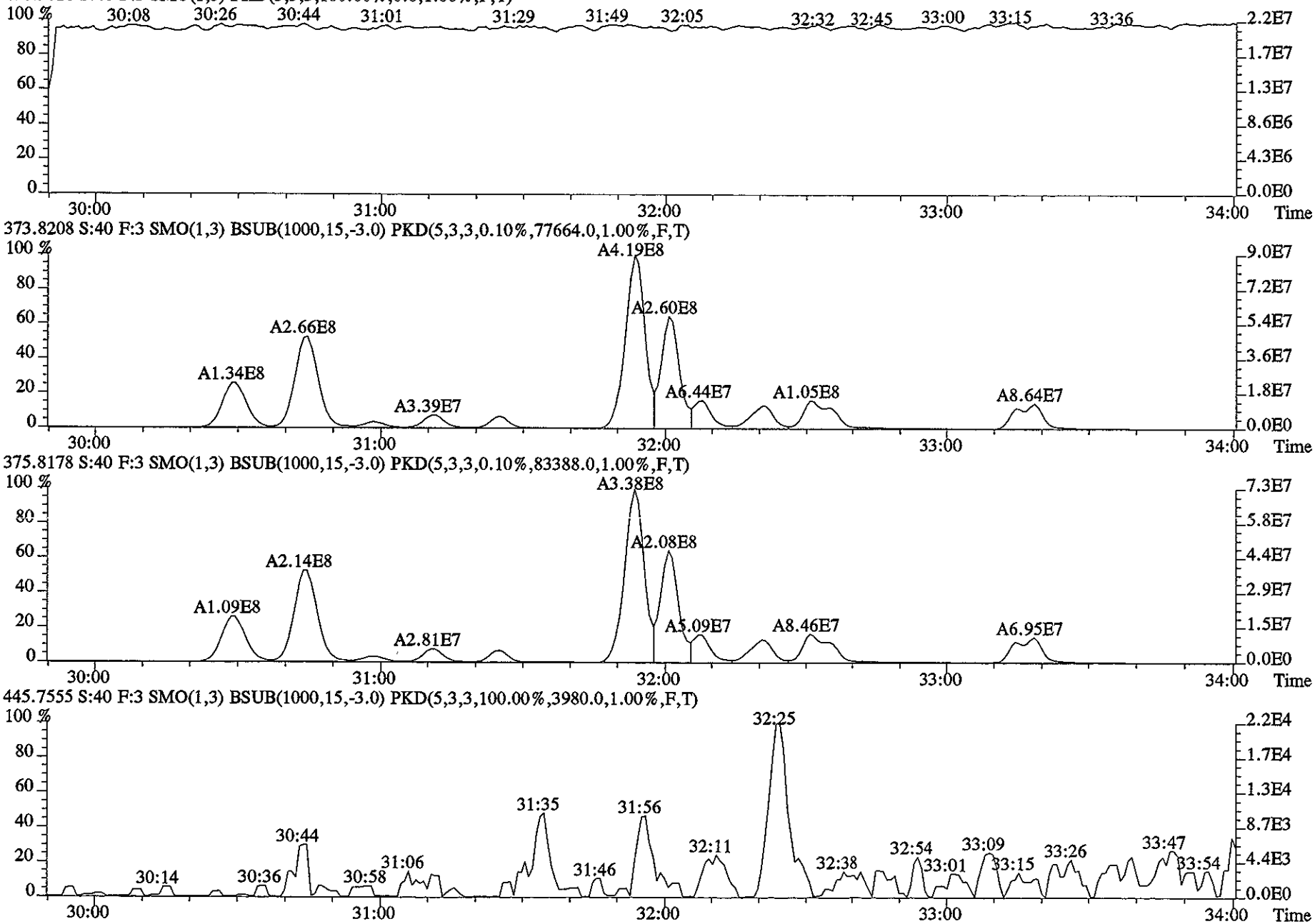
341.8567 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27336.0,1.00%,F,T)



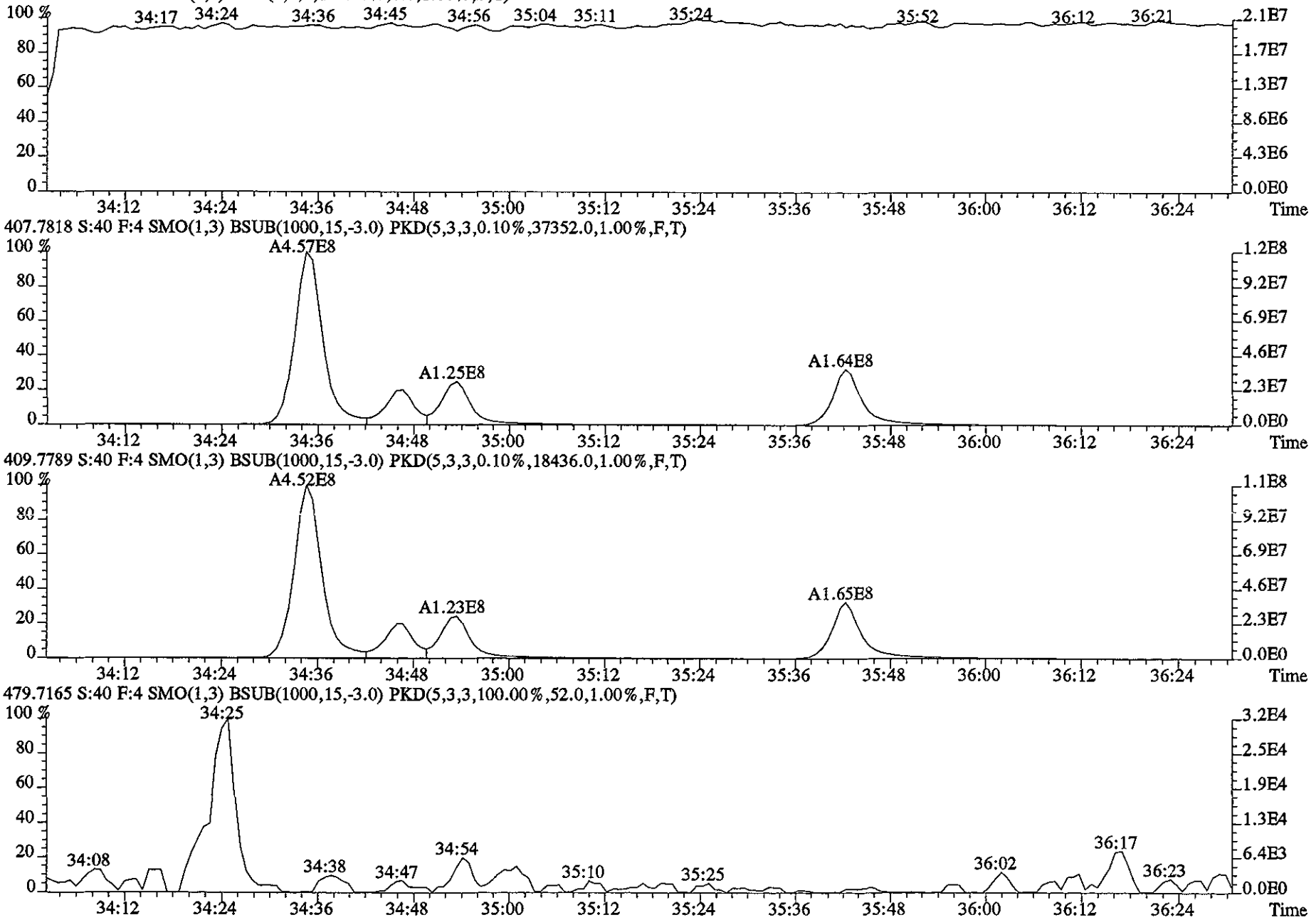
409.7974 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,40.0,1.00%,F,T)



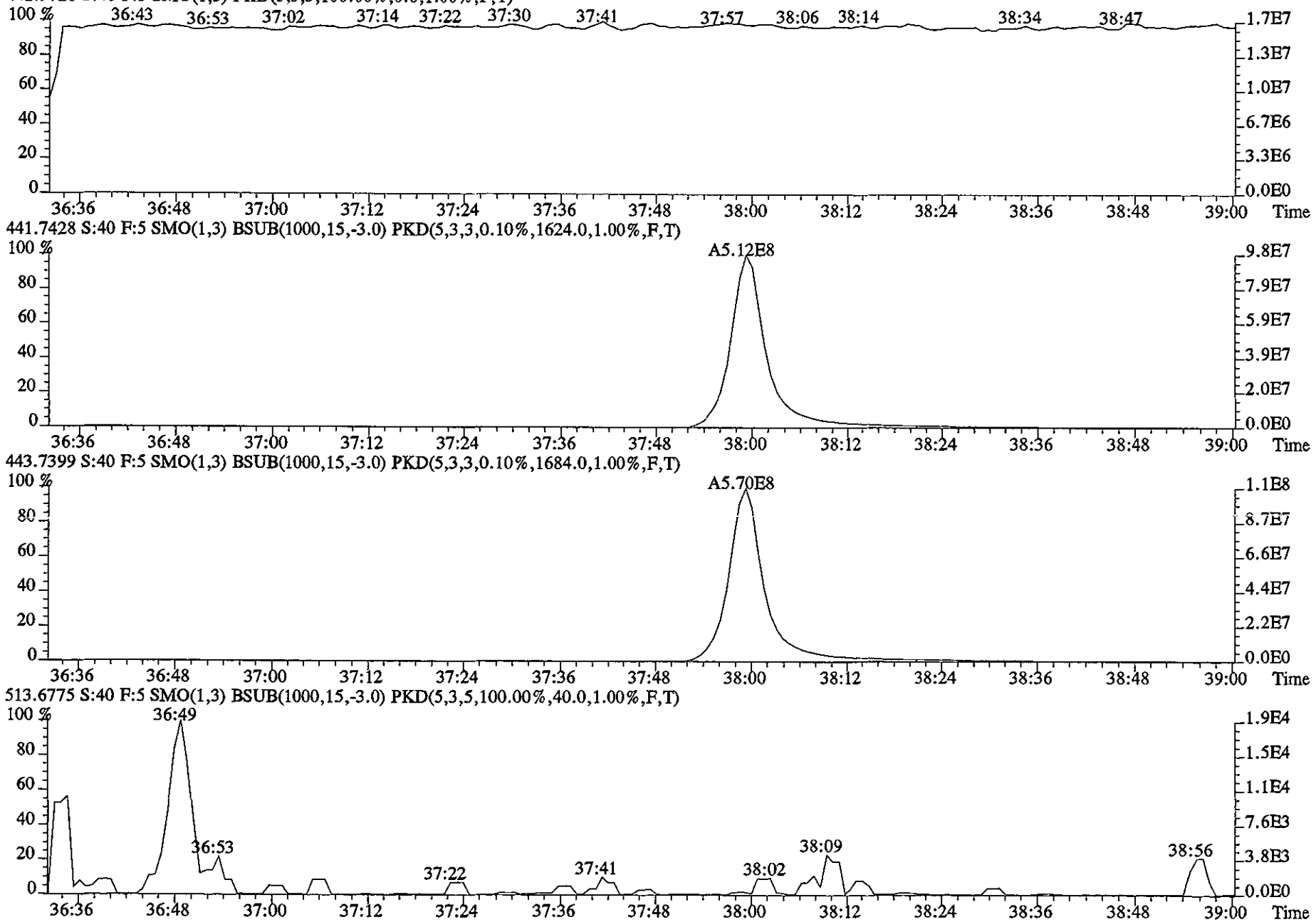
File:07MY104D5 #1-317 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A



File:07MY104D5 #1-198 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A



File:07MY104D5 #1-190 Acq: 8-MAY-2010 15:24:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#40 Text:LX5XR-1-AC :G0D170485-6 Exp:DIOXINRES8290A

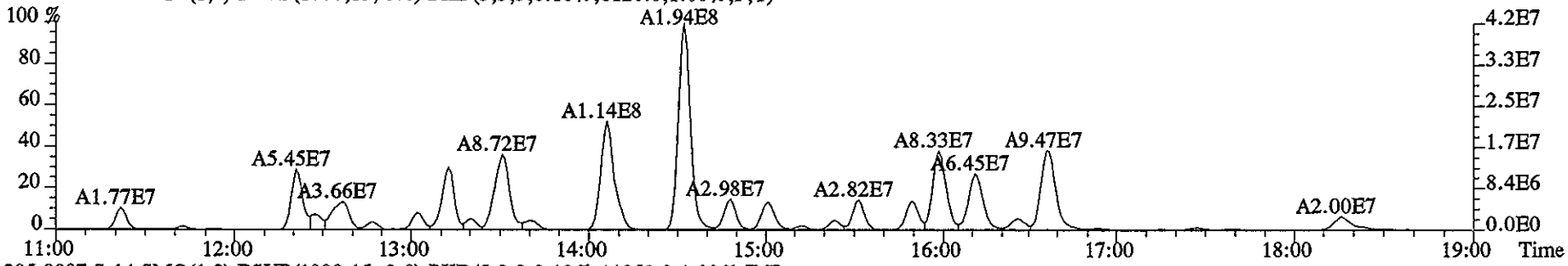


Run text: LX5XR-1-AC Sample text: LX5XR-1-AC :G0D170485-6
Run #16 Filename: 10MY105D2 S: 14 I: 1 Results: 10MY105D2DB225
Acquired: 10-MAY-10 16:44:07 Processed: 10-MAY-10 17:43:22
Run: 10MY105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.1400 g

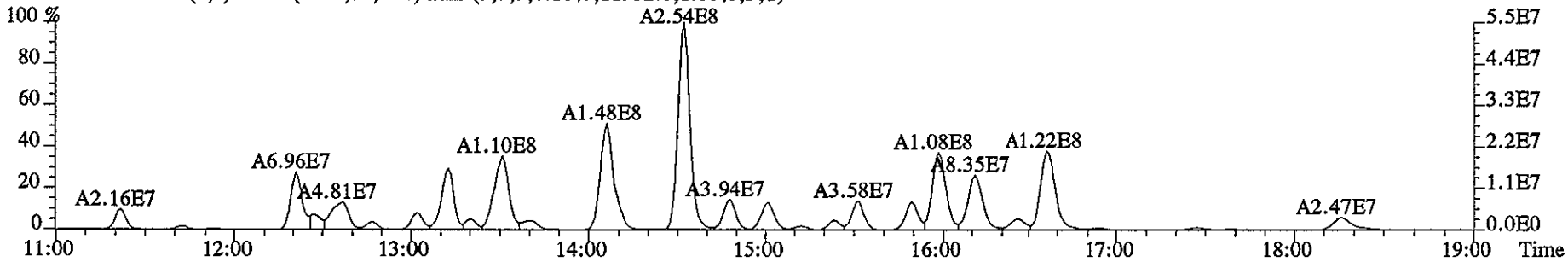
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	73329460	0.76	y	14:49	-	7.27	-	-	n
13C-2,3,7,8-TCDF	175184568	0.79	y	15:58	2.11	111.86	2.05	56.7	n
2,3,7,8-TCDF	191149704	0.77	y	15:59	1.09	197.72 E	0.28	-	n
13C-2,3,7,8-TCDD	93614700	0.77	y	14:36	0.95	132.74	0.67	67.3	n
2,3,7,8-TCDD	4569337	0.95	n	14:36	1.36	7.09	0.26	-	n
37Cl-2,3,7,8-TCDD	92374616	1.00	y	14:36	2.28	54.53	0.19	69.1	n

05
05-11-10

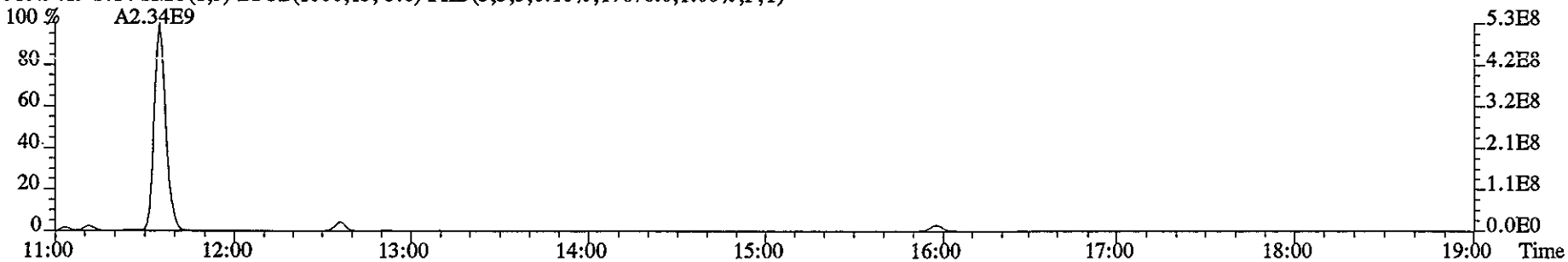
File:10MY105D2 #1-1241 Acq:10-MAY-2010 16:44:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:LX5XR-1-AC :G0D170485-6 Exp:DB225RES
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6120.0,1.00%,F,T)



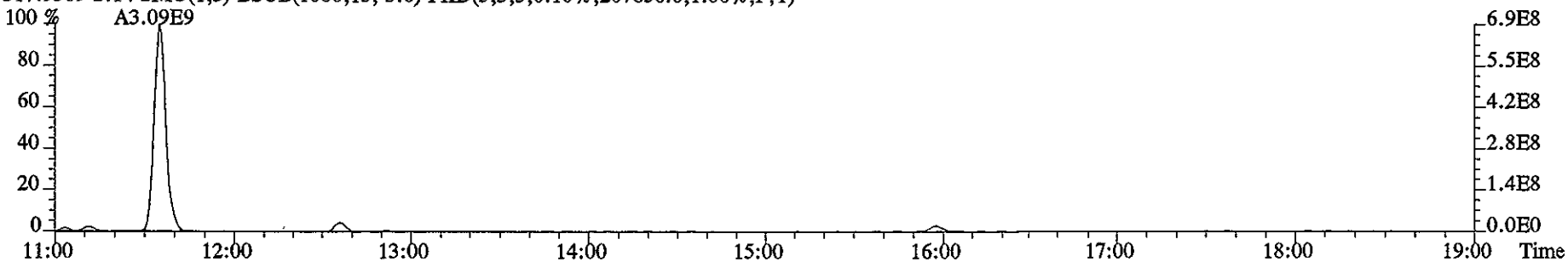
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11952.0,1.00%,F,T)



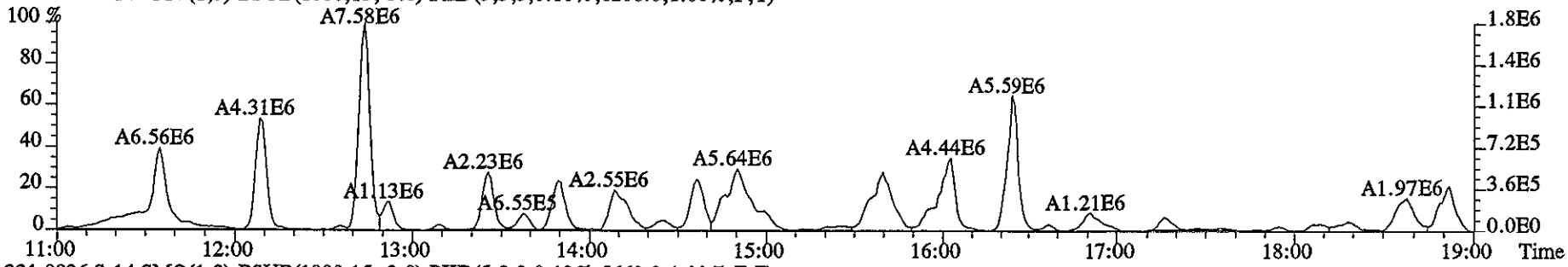
315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17676.0,1.00%,F,T)



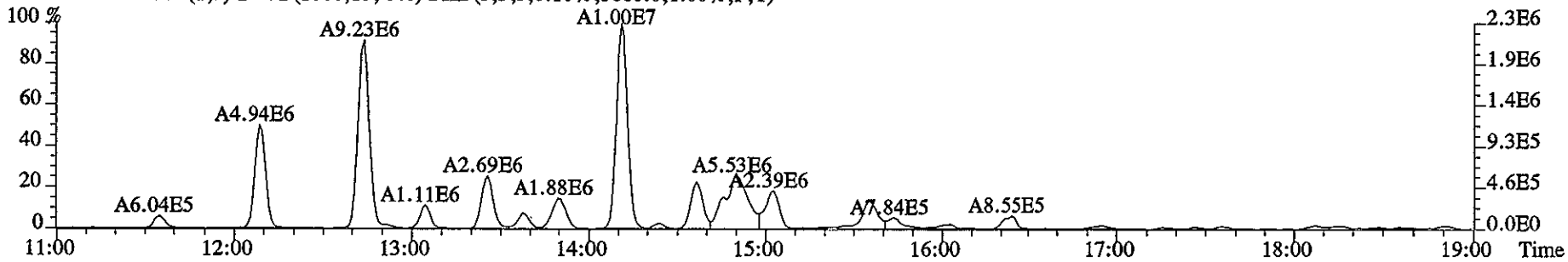
317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,207856.0,1.00%,F,T)



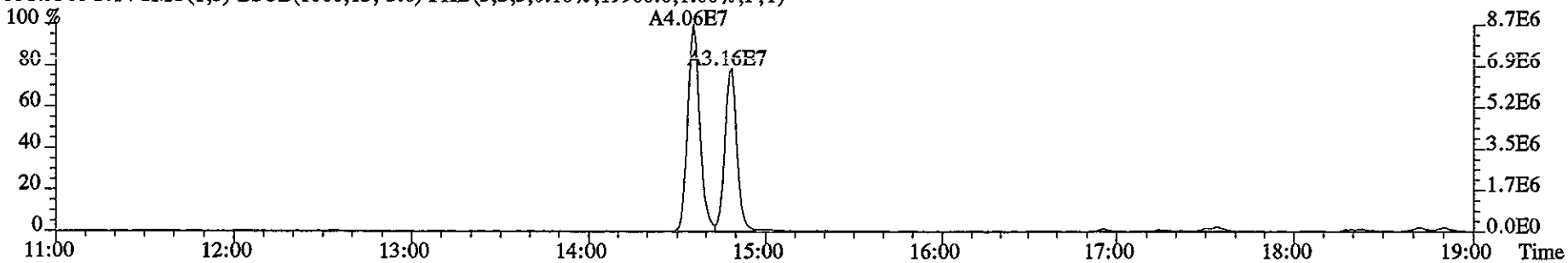
File:10MY105D2 #1-1241 Acq:10-MAY-2010 16:44:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:LX5XR-1-AC :G0D170485-6 Exp:DB225RES
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6208.0,1.00%,F,T)



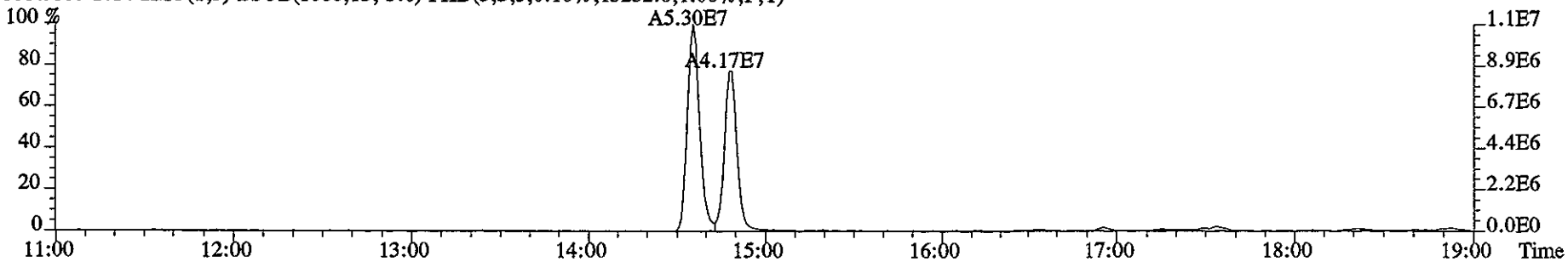
321.8936 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5660.0,1.00%,F,T)



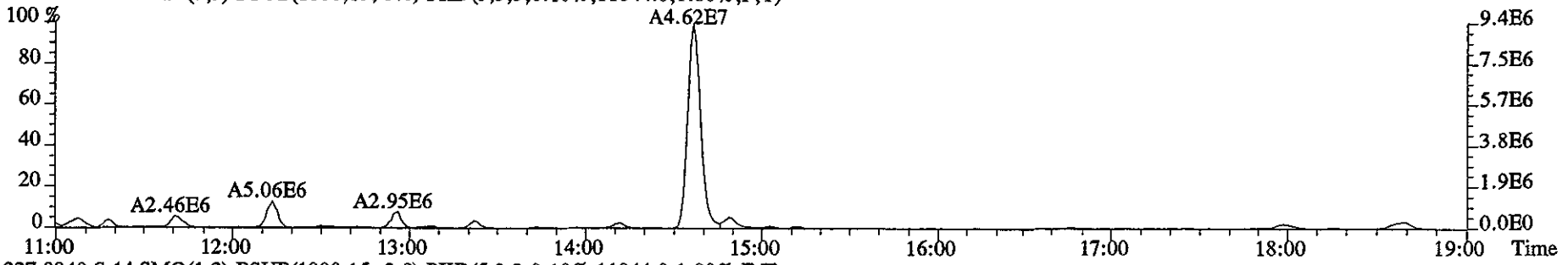
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19900.0,1.00%,F,T)



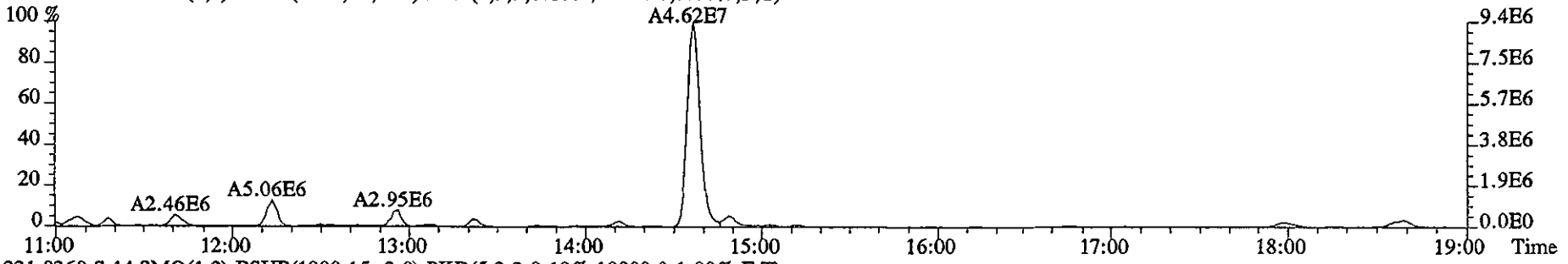
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13252.0,1.00%,F,T)



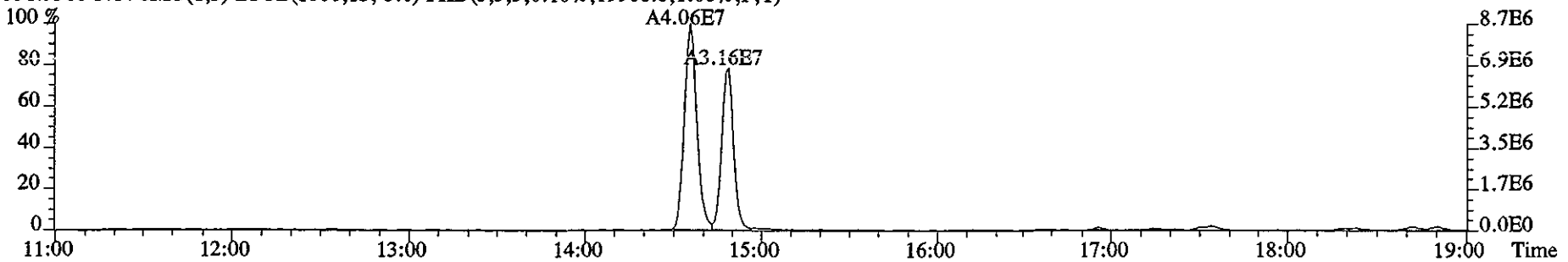
File:10MY105D2 #1-1241 Acq:10-MAY-2010 16:44:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:LX5XR-1-AC :G0D170485-6 Exp:DB225RES
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11044.0,1.00%,F,T)



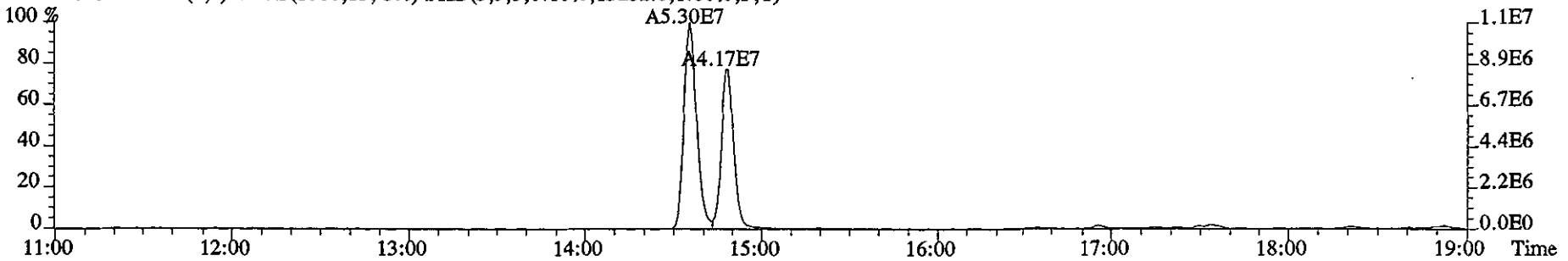
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11044.0,1.00%,F,T)



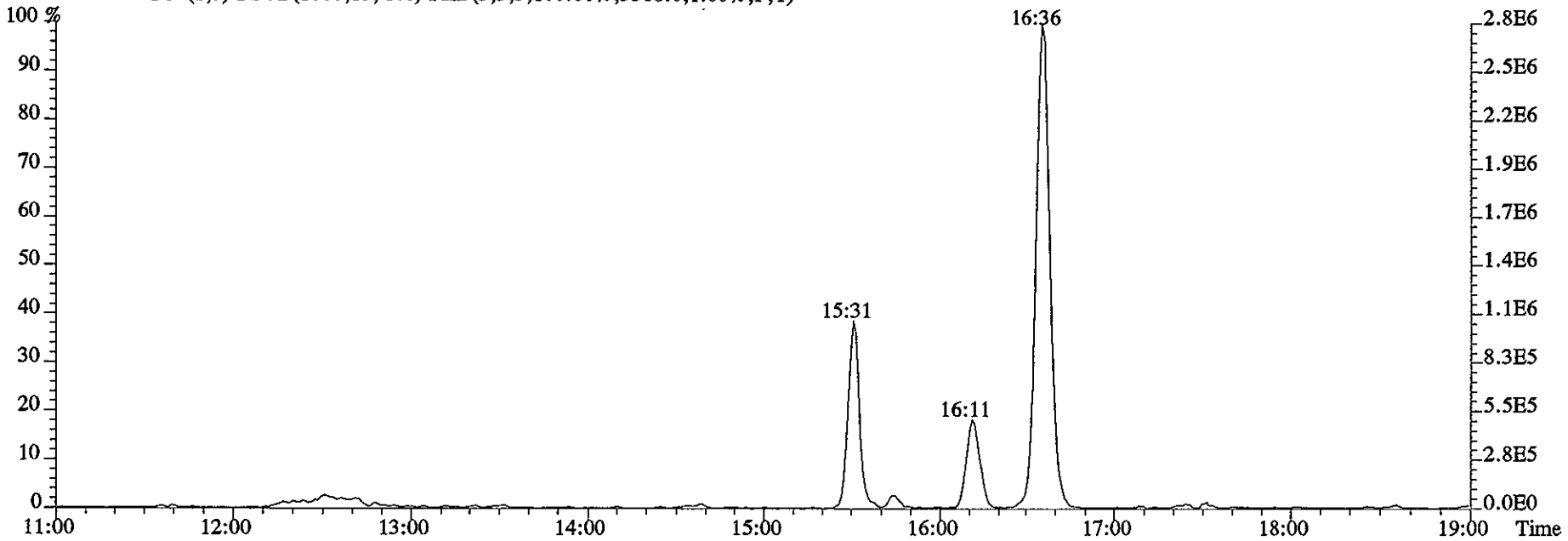
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19900.0,1.00%,F,T)



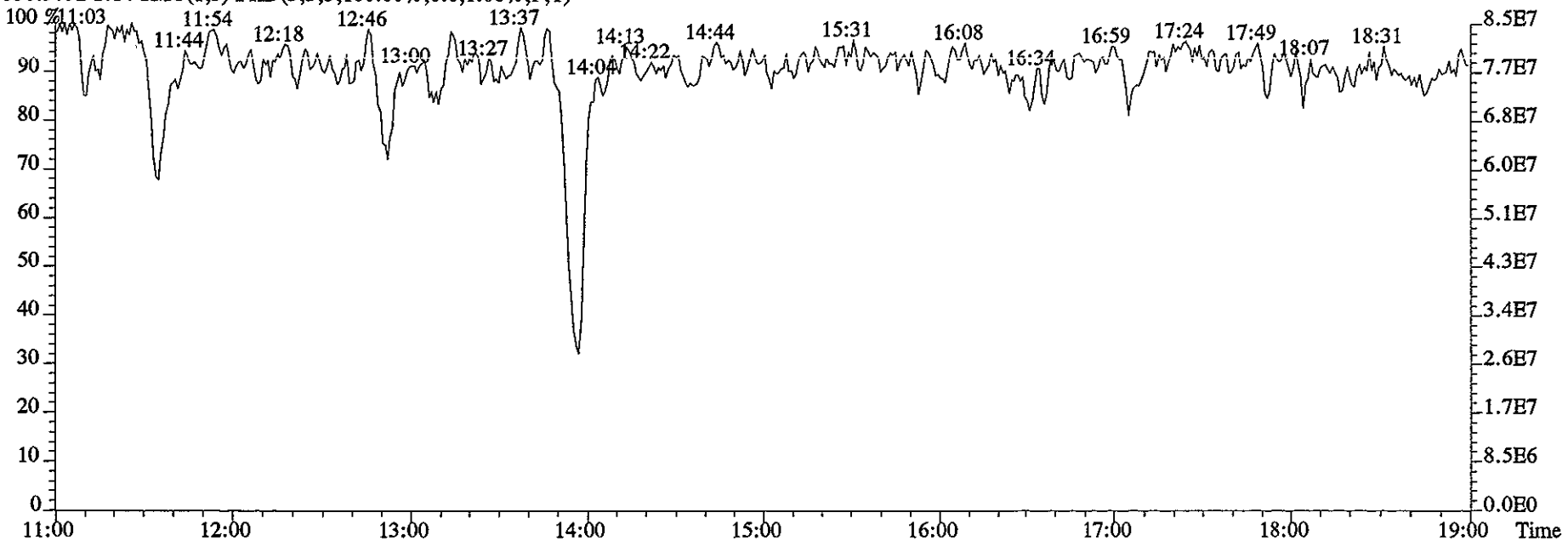
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13252.0,1.00%,F,T)



File:10MY105D2 #1-1241 Acq:10-MAY-2010 16:44:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:LX5XR-1-AC :G0D170485-6 Exp:DB225RES
375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3568.0,1.00%,F,T)



330.9792 S:14 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



VB 4.30.10

Run text: LX0PR-1-AE Sample text: LX0PR-1-AE :G0D140543-10
Run #8 Filename: 29AP101D5 S: 4 I: 1 Results: 29ap101d58290vg
Acquired: 29-APR-10 11:47:48 Processed: 29-APR-10 22:38:43
Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.05 g

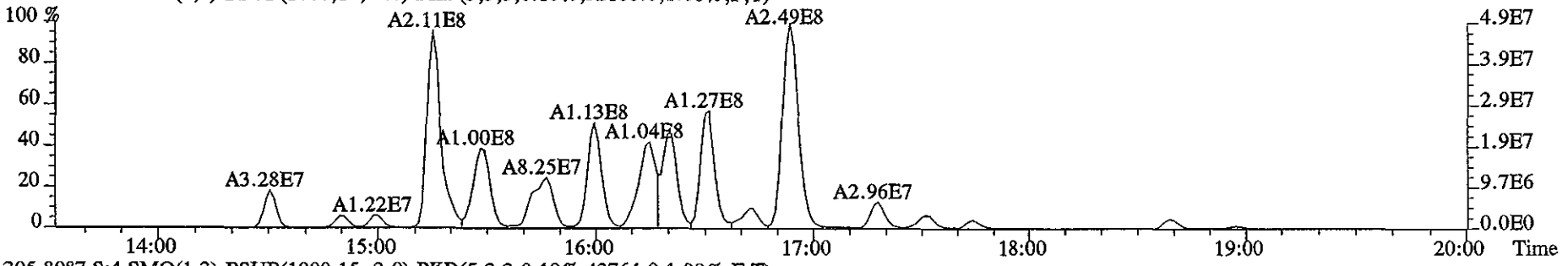
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	213601900	0.81	y	17:22	-	6.82	-	-	n
13C-2,3,7,8-TCDF	430778000	0.79	y	16:52	1.57	128.14	0.10	64.4	n
2,3,7,8-TCDF	571750000	0.77	y	16:54	0.86	307.17 see DB25	0.53	-	n
Total TCDF	2911354700	0.74	y	14:30	0.86	~~1564.13~~	0.53	-	n
13C-2,3,7,8-TCDD	288840000	0.80	y	17:33	0.99	135.46	0.09	68.1	n
2,3,7,8-TCDD	6552870	0.74	y	17:34	0.93	4.83 ✓	0.14	-	y
Total TCDD	171449184	0.75	y	15:24	0.93	~~126.50~~	0.14	-	y
37Cl-2,3,7,8-TCDD	322362000	1.00	y	17:34	2.22	67.70	0.09	85.0	n
13C-1,2,3,7,8-PeCDF	329952000	1.62	y	21:45	1.07	143.26	0.17	72.0	n
1,2,3,7,8-PeCDF	366214000	1.59	y	21:47	1.00	220.86 ✓	0.95	-	n
2,3,4,7,8-PeCDF	201317800	1.62	y	23:05	0.94	129.37 ✓	1.01	-	n
Total F2 PeCDF	2609027260	1.59	y	20:16	0.97	~~1620.47~~	0.98	-	n
Total F1 PeCDF	113804741	1.71	y	15:41	0.97	~~70.81~~	0.08	-	n
13C-1,2,3,7,8-PeCDD	192436500	1.68	y	23:45	0.67	134.53	0.07	67.6	n
1,2,3,7,8-PeCDD	13869170	1.58	y	23:47	0.93	15.44 ✓	0.48	-	n
Total PeCDD	135372803	1.60	y	20:39	0.93	~~150.67~~	0.48	-	n
13C-1,2,3,7,8,9-HxCDD	150025800	1.31	y	31:56	-	5.44	-	-	n
13C-1,2,3,4,7,8-HxCDF	197400000	0.51	y	29:58	0.89	146.64	0.08	73.7	n
1,2,3,4,7,8-HxCDF	579456000	1.26	y	29:59	1.20	487.18 ✓	6.72	-	y
1,2,3,6,7,8-HxCDF	404054000	1.25	y	30:14	1.37	297.06 ✓	5.88	-	y
2,3,4,6,7,8-HxCDF	82159600	1.28	y	31:13	1.24	66.69 ✓	6.49	-	n
1,2,3,7,8,9-HxCDF	55594600	1.24	y	32:11	1.33	42.26 ✓	6.08	-	y
Total HxCDF	2480890900	1.25	y	27:12	1.28	1960.20	6.28	-	y
13C-1,2,3,6,7,8-HxCDD	164741500	1.31	y	31:33	0.73	149.25	0.02	75.0	n
1,2,3,4,7,8-HxCDD	7279820	1.21	y	31:27	0.97	9.07 ✓	0.32	-	n
1,2,3,6,7,8-HxCDD	16590900	1.29	y	31:35	1.06	18.94 ✓	0.29	-	n
1,2,3,7,8,9-HxCDD	15131850	1.26	y	31:57	1.28	14.33 ✓	0.24	-	y
Total HxCDD	108527305	1.33	y	28:43	1.10	~~118.60~~	0.28	-	y
13C-1,2,3,4,6,7,8-HpCDF	155534700	0.43	y	33:48	0.86	119.93	0.79	60.3	n
1,2,3,4,6,7,8-HpCDF	1152362000	1.04	y	33:49	1.29	1145.99 ✓ E	0.77	-	n
1,2,3,4,7,8,9-HpCDF	412216000	1.04	y	35:01	1.14	464.54 ✓	0.87	-	n
Total HpCDF	2205235430	1.04	y	33:49	1.21	~~2287.42~~	0.81	-	n
13C-1,2,3,4,6,7,8-HpCDD	119744600	1.08	y	34:40	0.75	105.59	0.26	53.1	n
1,2,3,4,6,7,8-HpCDD	43662300	1.04	y	34:41	1.00	72.72 ✓	0.42	-	n
Total HpCDD	63337777	0.36	n	33:41	1.00	~~105.49~~	0.42	-	n
13C-OCDD	115084500	0.89	y	37:17	0.56	135.23	0.30	34.0	n
OCDF	1526294000	0.88	y	37:23	1.44	3672.47 ✓ E	1.49	-	n

OCDD	25815700	0.88	y	37:17	1.11	80.47 ✓	0.53	-	n

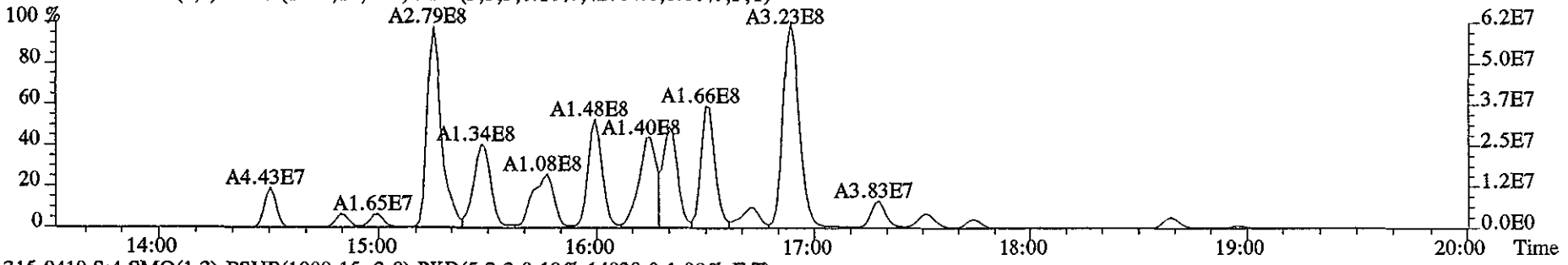
Run text: LX0PR-1-AE Sample text: LX0PR-1-AE :G0D140543-10
Run #8 Filename: 29AP101D5 S: 4 I: 1 Results: 29AP101D58290
Acquired: 29-APR-10 11:47:48 Processed: 29-APR-10 22:38:43
Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.05 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	213601900	0.81	y	17:22	-	6.823	-	-	n
13C-2,3,7,8-TCDF	430778000	0.79	y	16:52	1.57	128.139	0.104	64.4	n
2,3,7,8-TCDF	571750000	0.77	y	16:54	0.86	307.174	0.532	-	n
Total TCDF	2911354700	0.74	y	14:30	0.86	~~1564.130~~	0.532	-	n
13C-2,3,7,8-TCDD	288840000	0.80	y	17:33	0.99	135.456	0.087	68.1	n
2,3,7,8-TCDD	27517000	0.76	y	17:28	0.93	20.303	0.138	-	n
Total TCDD	178215115	0.75	y	15:24	0.93	131.494	0.138	-	n
37Cl-2,3,7,8-TCDD	322362000	1.00	y	17:34	2.22	67.701	0.091	85.0	n
13C-1,2,3,7,8-PeCDF	329952000	1.62	y	21:45	1.07	143.265	0.165	72.0	n
1,2,3,7,8-PeCDF	366214000	1.59	y	21:47	1.00	220.858 ✓	0.948	-	n
2,3,4,7,8-PeCDF	201317800	1.62	y	23:05	0.94	129.366 ✓	1.010	-	n
Total F2 PeCDF	2609027260	1.59	y	20:16	0.97	~~1620.468~~	0.978	-	n
Total F1 PeCDF	113804741	1.71	y	15:41	0.97	~~70.811~~	0.076	-	n
13C-1,2,3,7,8-PeCDD	192436500	1.68	y	23:45	0.67	134.527	0.071	67.6	n
1,2,3,7,8-PeCDD	13869170	1.58	y	23:47	0.93	15.436 ✓	0.482	-	n
Total PeCDD	135372803	1.60	y	20:39	0.93	~~150.667~~	0.482	-	n
13C-1,2,3,7,8,9-HxCDD	150025800	1.31	y	31:56	-	5.442	-	-	n
13C-1,2,3,4,7,8-HxCDF	197400000	0.51	y	29:58	0.89	146.640	0.076	73.7	n
1,2,3,4,7,8-HxCDF	642053000	1.25	y	29:59	1.20	539.814 ✓	6.723	-	n
1,2,3,6,7,8-HxCDF	400812000	1.25	y	30:14	1.37	294.681 ✓	5.879	-	n
2,3,4,6,7,8-HxCDF	82159800	1.28	y	31:13	1.24	66.686 ✓	6.490	-	n
1,2,3,7,8,9-HxCDF	55623904	1.48	n	32:11	1.33	42.286 ✓	6.079	-	n
Total HxCDF	2689824604	1.25	y	27:12	1.28	~~2127.832~~	6.275	-	n
13C-1,2,3,6,7,8-HxCDD	164741500	1.31	y	31:33	0.73	149.248	0.015	75.0	n
1,2,3,4,7,8-HxCDD	7279820	1.21	y	31:27	0.97	9.066	0.317	-	n
1,2,3,6,7,8-HxCDD	16590900	1.29	y	31:35	1.06	18.936	0.290	-	n
1,2,3,7,8,9-HxCDD	16591460	1.24	y	31:57	1.28	15.716	0.241	-	n
Total HxCDD	108465838	1.33	y	28:43	1.10	118.317	0.279	-	n
13C-1,2,3,4,6,7,8-HpCDF	155534700	0.43	y	33:48	0.86	119.931	0.786	60.3	n
1,2,3,4,6,7,8-HpCDF	1152362000	1.04	y	33:49	1.29	1145.987	0.767	-	n
1,2,3,4,7,8,9-HpCDF	412216000	1.04	y	35:01	1.14	464.541	0.869	-	n
Total HpCDF	2205235430	1.04	y	33:49	1.21	2287.424	0.815	-	n
13C-1,2,3,4,6,7,8-HpCDD	119744600	1.08	y	34:40	0.75	105.586	0.260	53.1	n
1,2,3,4,6,7,8-HpCDD	43662300	1.04	y	34:41	1.00	72.721	0.421	-	n
Total HpCDD	63337777	0.36	n	33:41	1.00	105.491	0.421	-	n
13C-OCDD	115084500	0.89	y	37:17	0.56	135.232	0.301	34.0	n
OCDF	1526294000	0.88	y	37:23	1.44	3672.470	1.493	-	n
OCDD	25815700	0.88	y	37:17	1.11	80.467	0.532	-	n

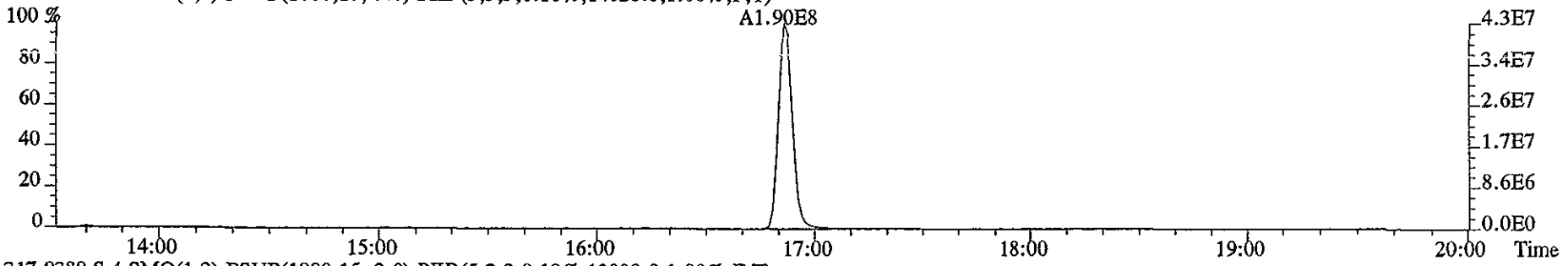
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32188.0,1.00%,F,T)



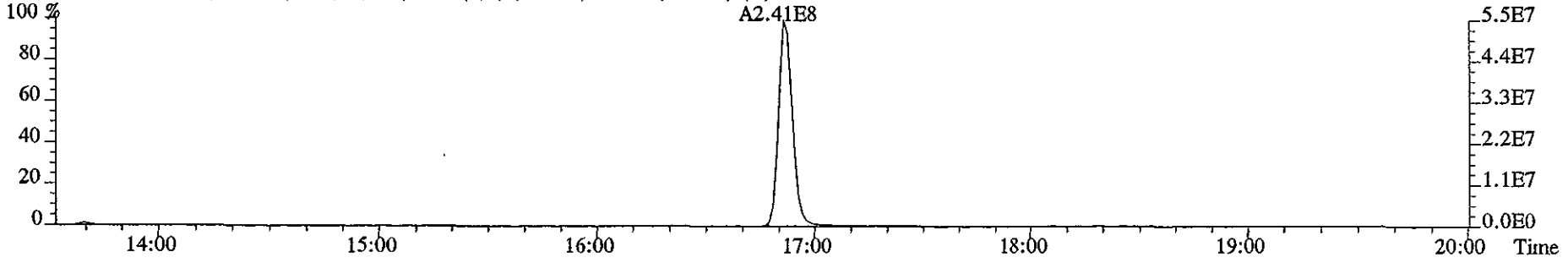
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42764.0,1.00%,F,T)



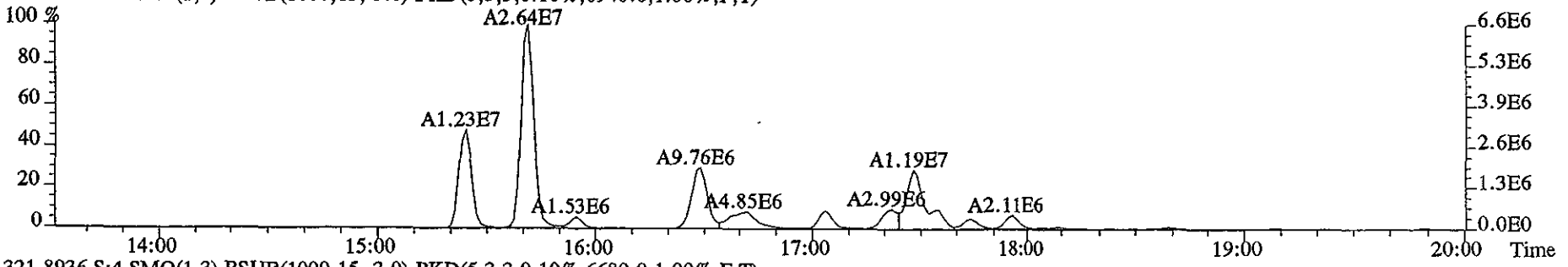
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14028.0,1.00%,F,T)



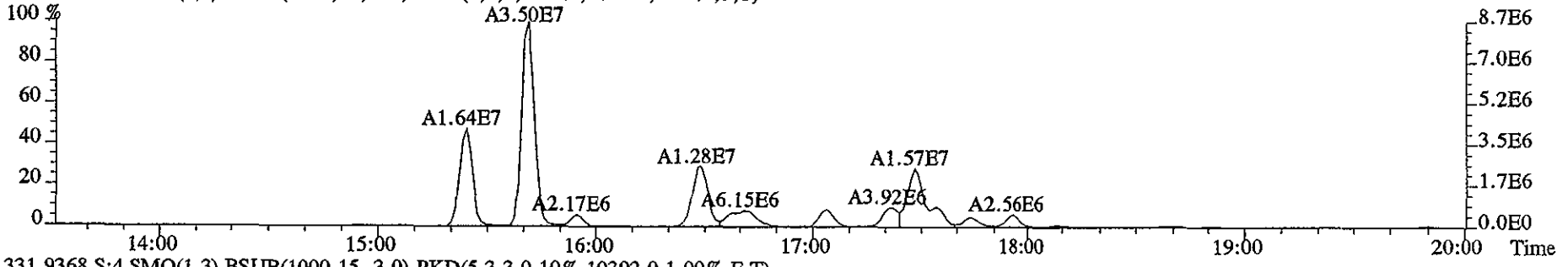
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12808.0,1.00%,F,T)



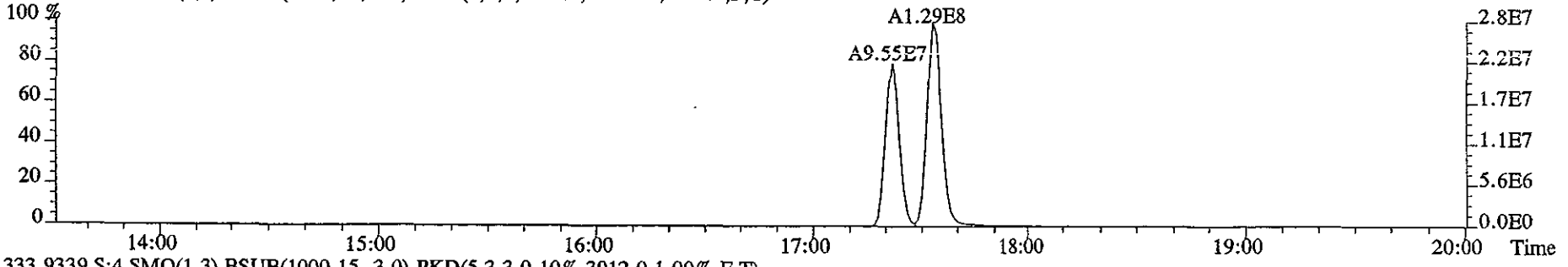
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6940.0,1.00%,F,T)



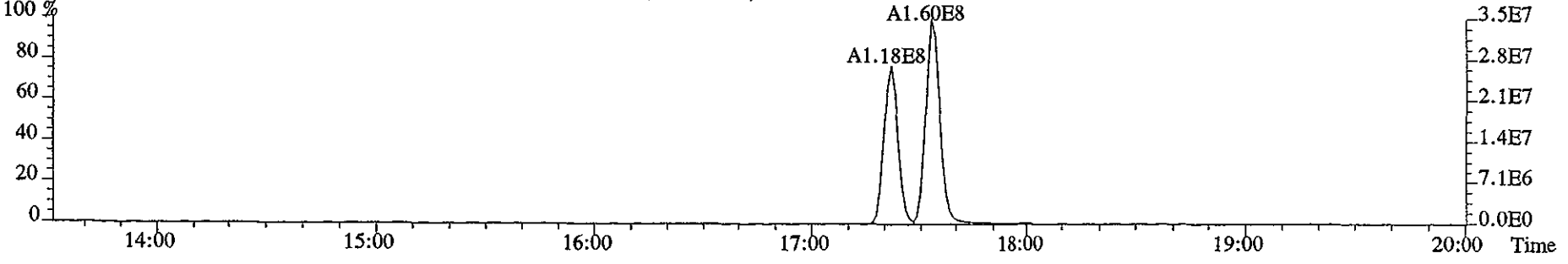
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6680.0,1.00%,F,T)



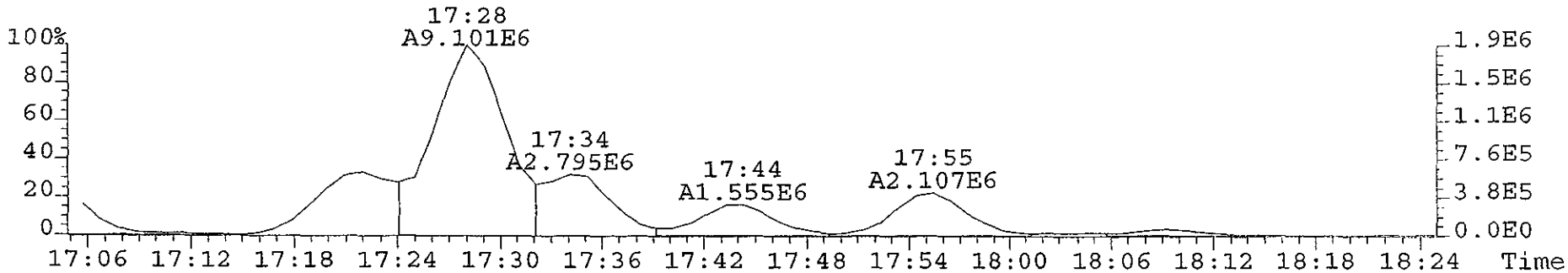
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10392.0,1.00%,F,T)



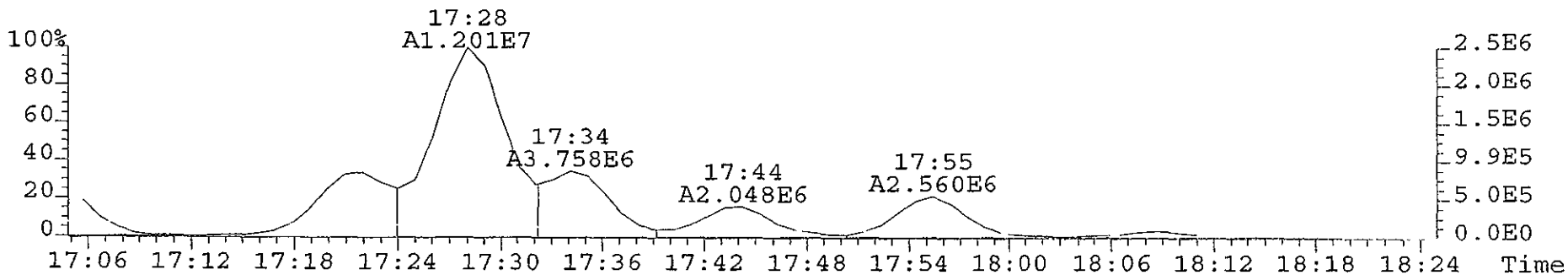
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



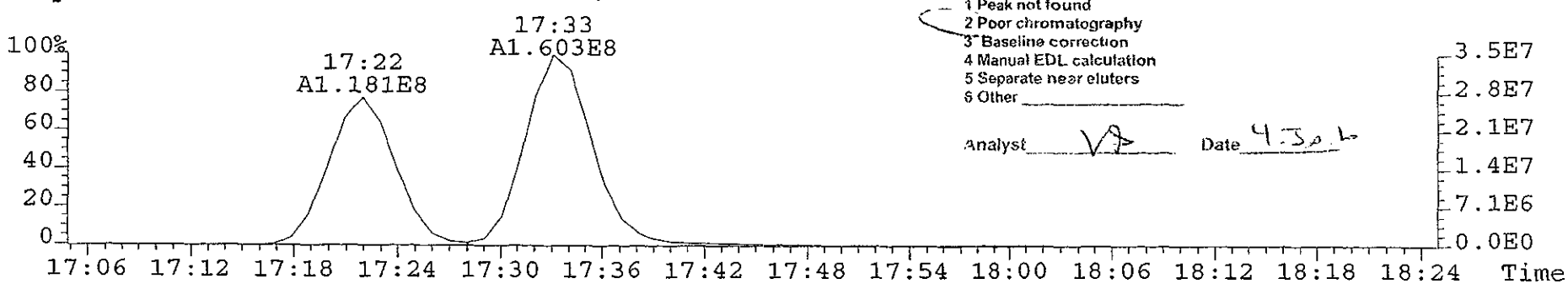
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6940.0,1.00%,F,T) Exp:DIOXINRES Noise>
Sample Text:LX0PR-1-AE :G0D140543-10



File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6680.0,1.00%,F,T) Exp:DIOXINRES Noise>
Sample Text:LX0PR-1-AE :G0D140543-10



File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T) Exp:DIOXINRES Noise>
Sample Text:LX0PR-1-AE :G0D140543-10

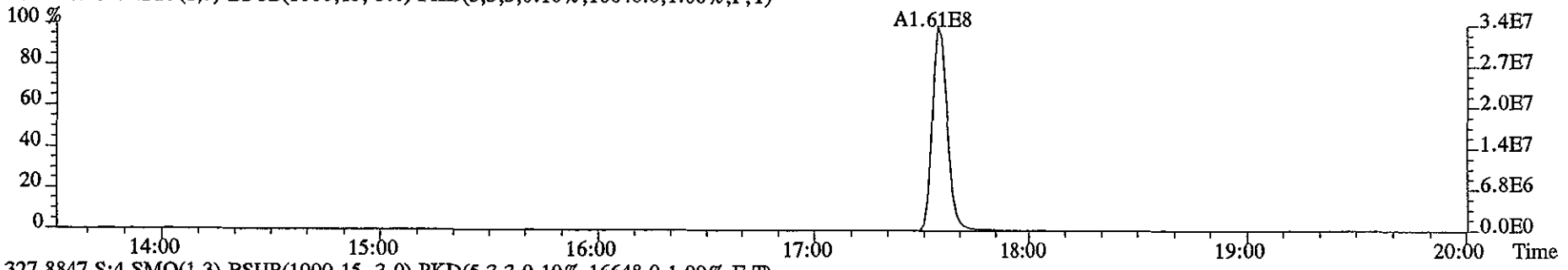


Manual Edit Codes

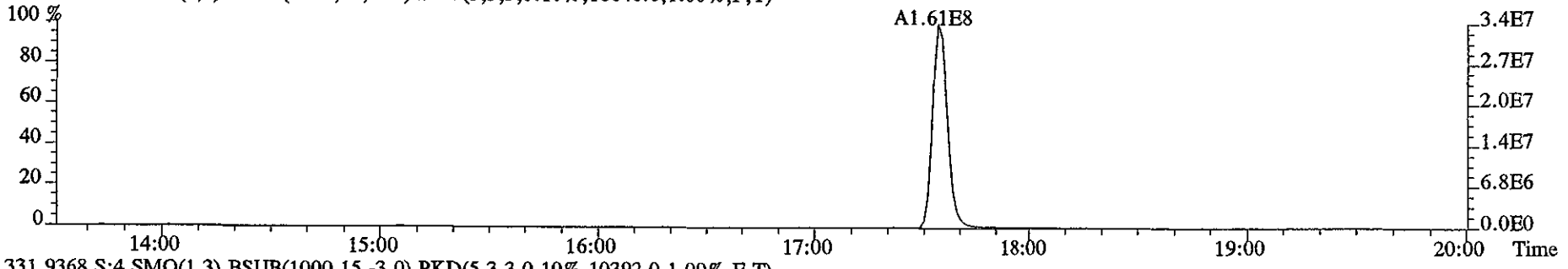
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VP Date 4.30.10

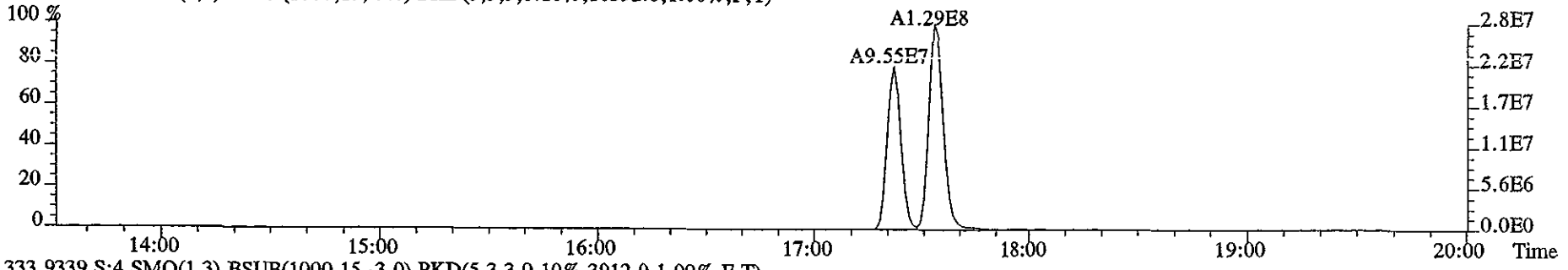
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16648.0,1.00%,F,T)



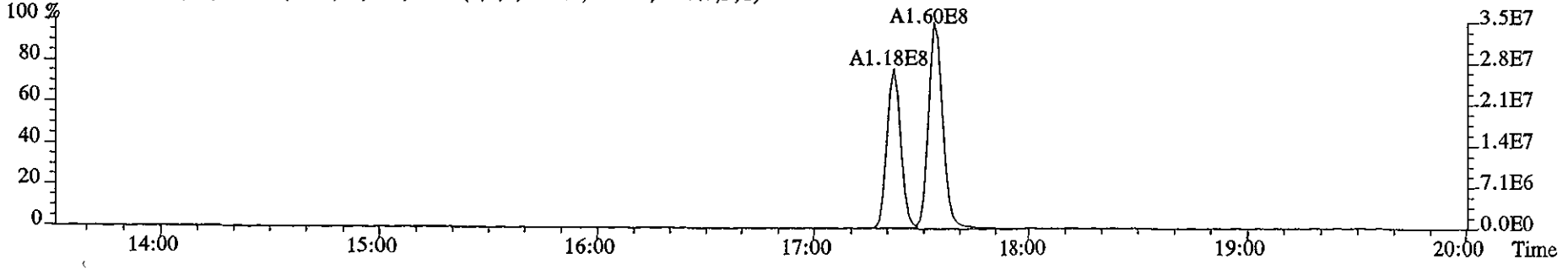
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16648.0,1.00%,F,T)



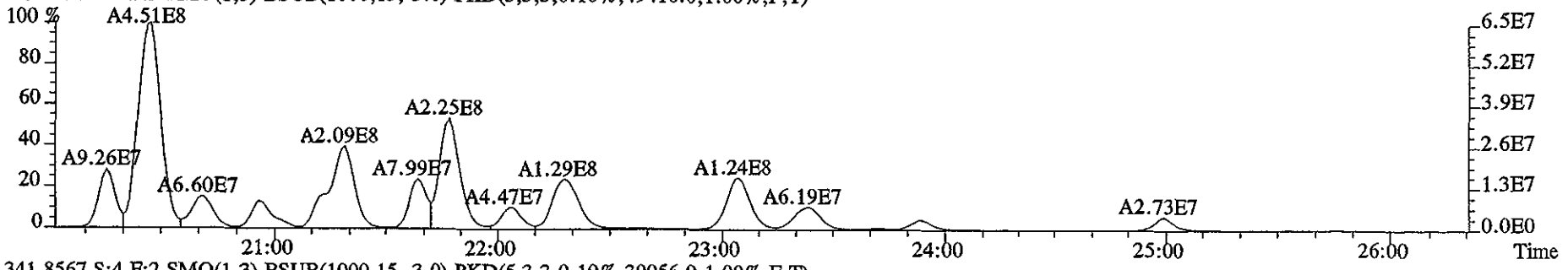
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10392.0,1.00%,F,T)



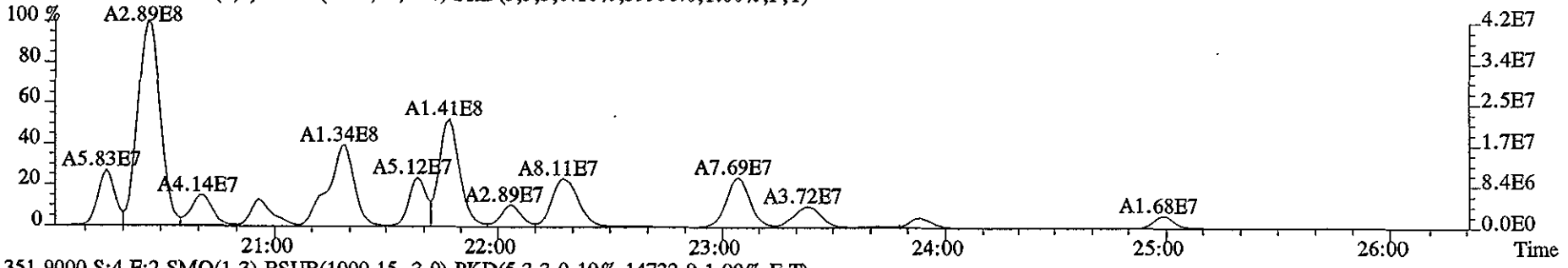
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



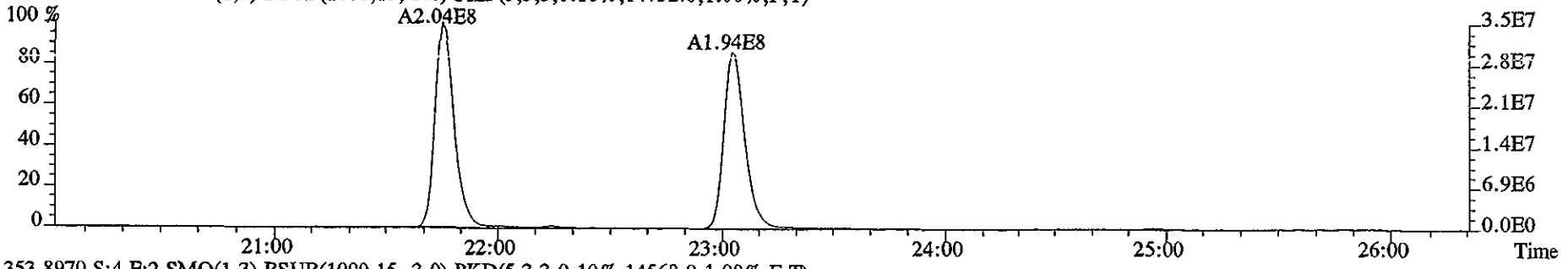
File:29AP101D5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49416.0,1.00%,F,T)



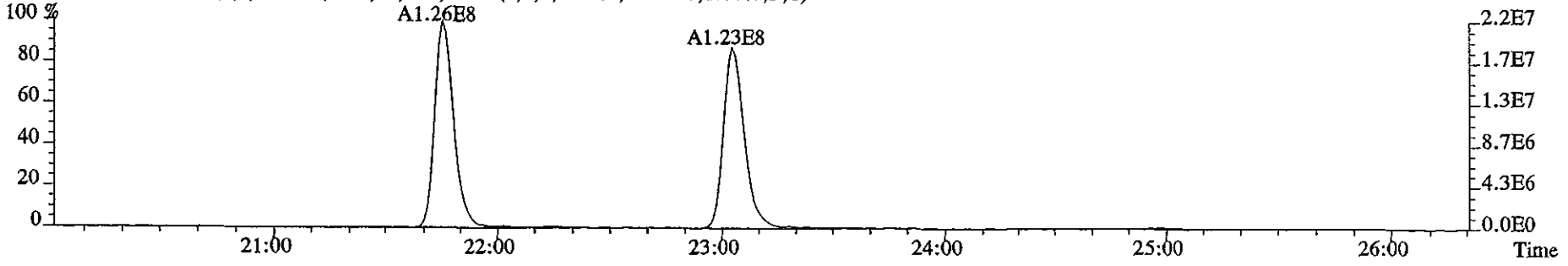
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39956.0,1.00%,F,T)



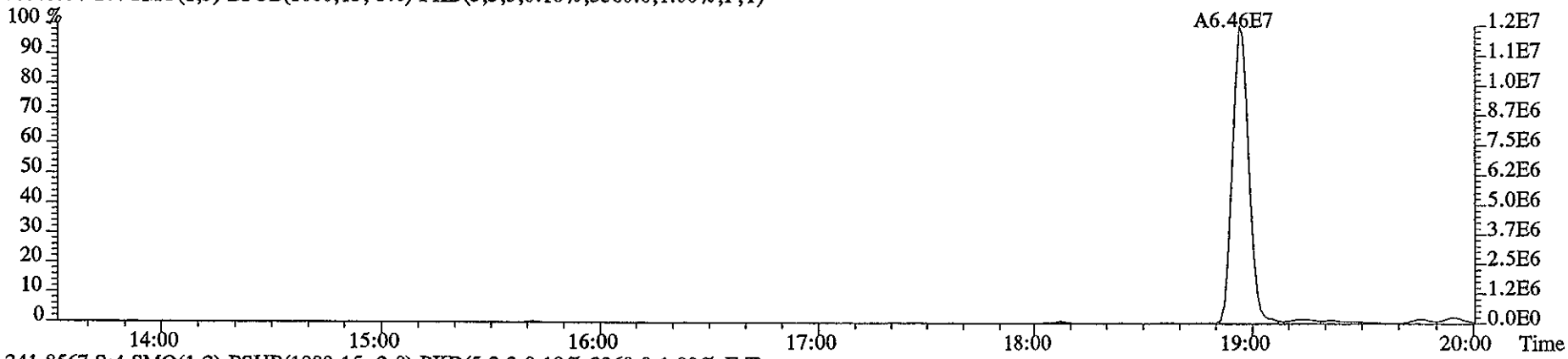
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14732.0,1.00%,F,T)



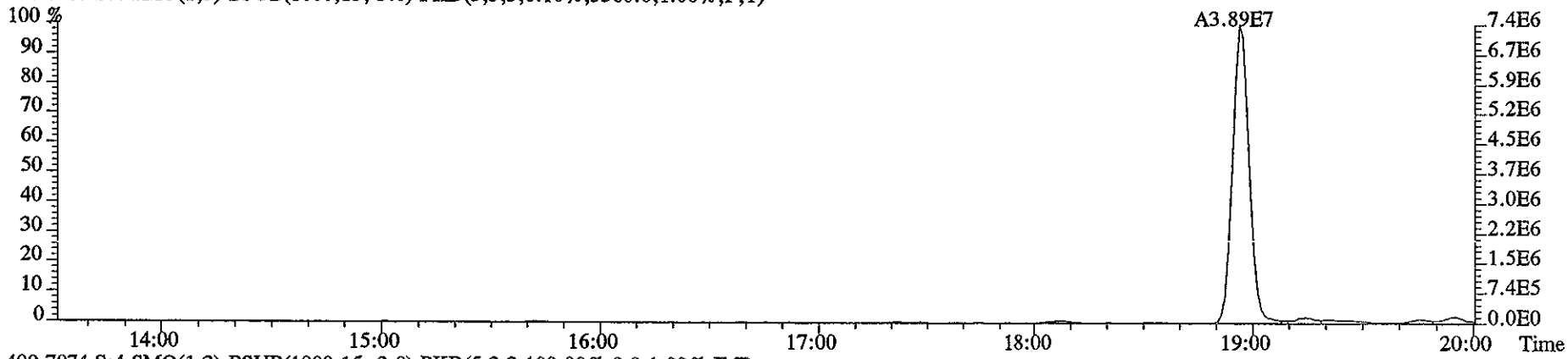
353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14568.0,1.00%,F,T)



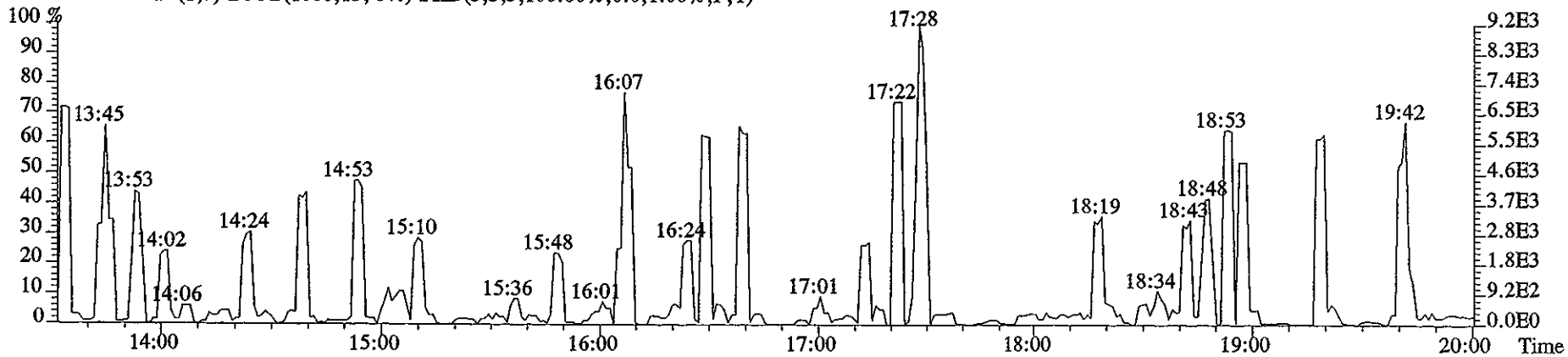
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
339.8597 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3560.0,1.00%,F,T)



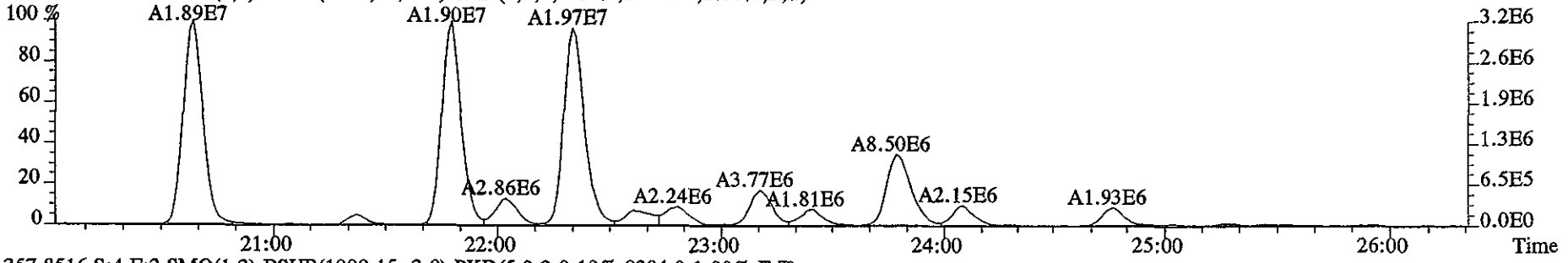
341.8567 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3368.0,1.00%,F,T)



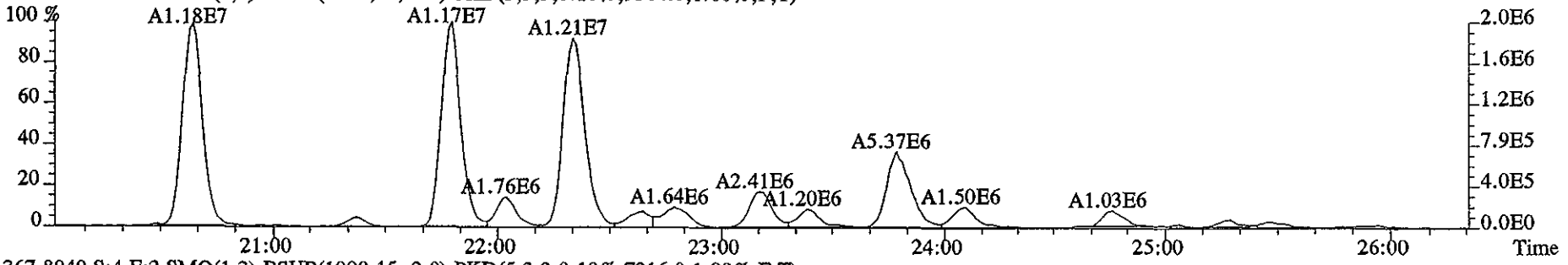
409.7974 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



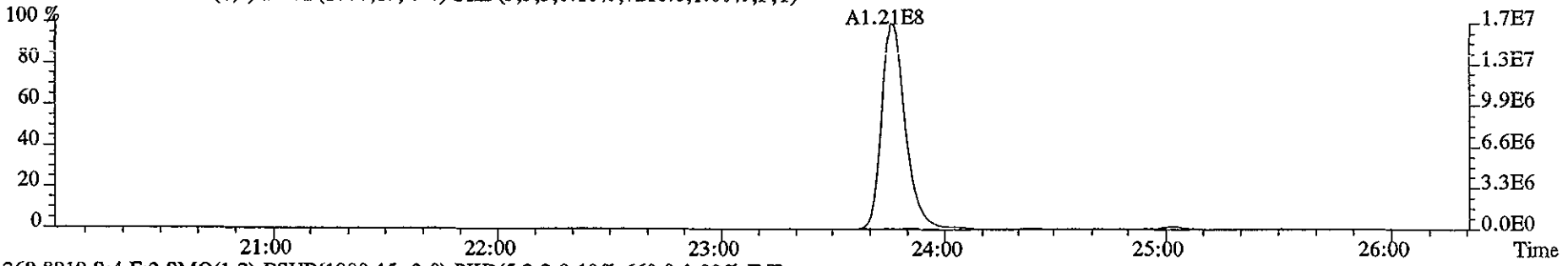
File:29AP101D5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10580.0,1.00%,F,T)



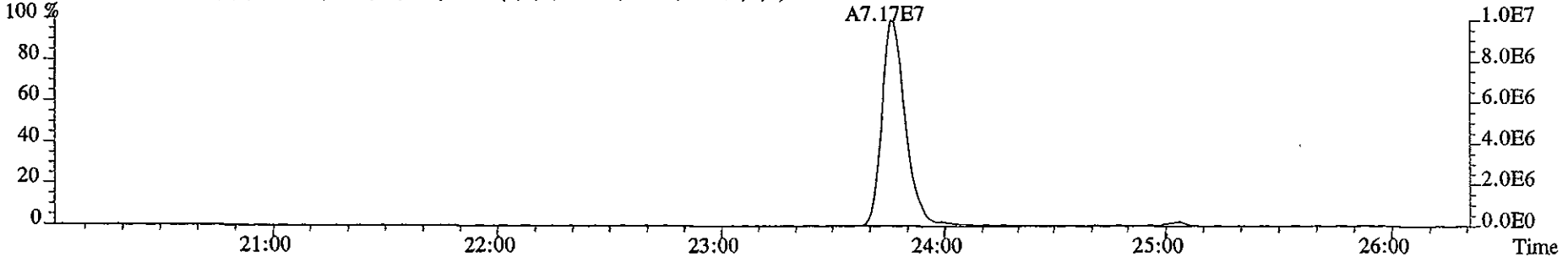
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9384.0,1.00%,F,T)



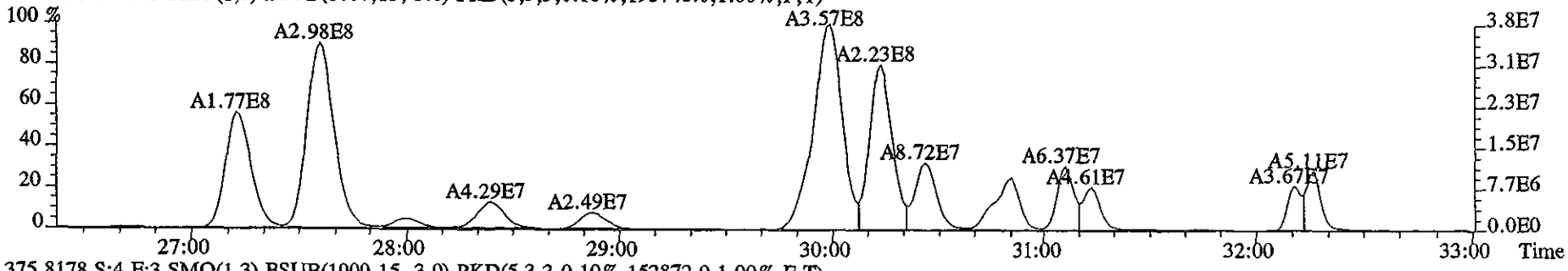
367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7216.0,1.00%,F,T)



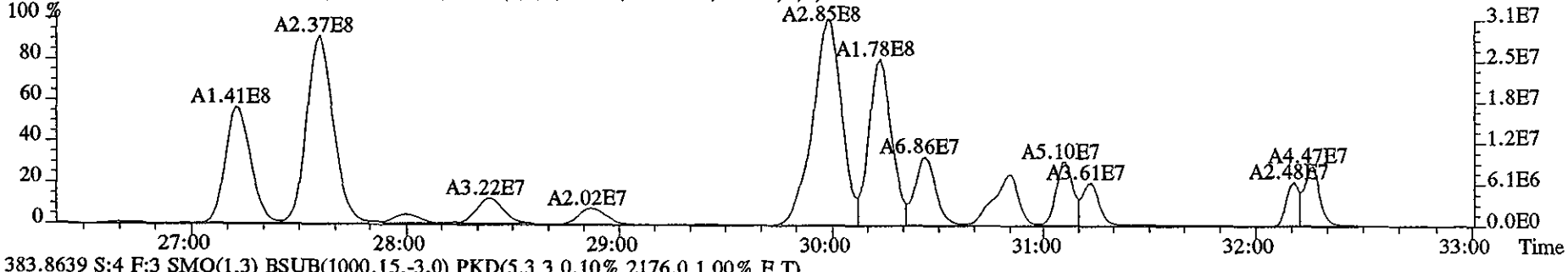
369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,660.0,1.00%,F,T)



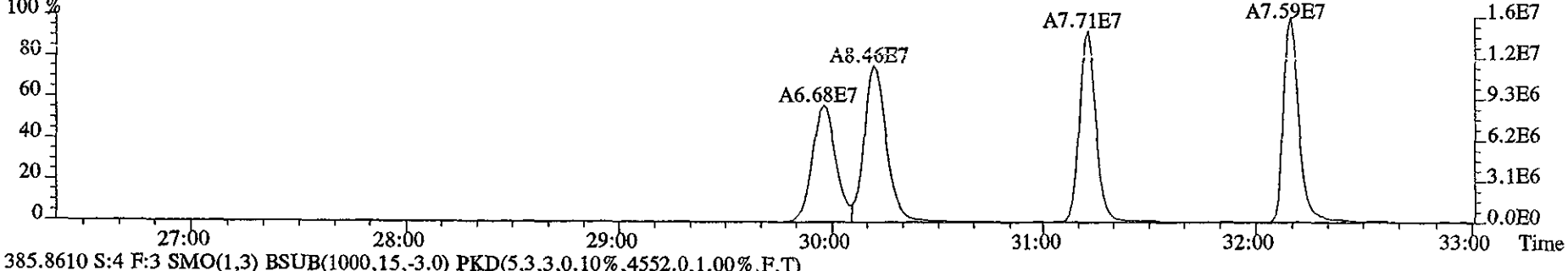
File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,193748.0,1.00%,F,T)



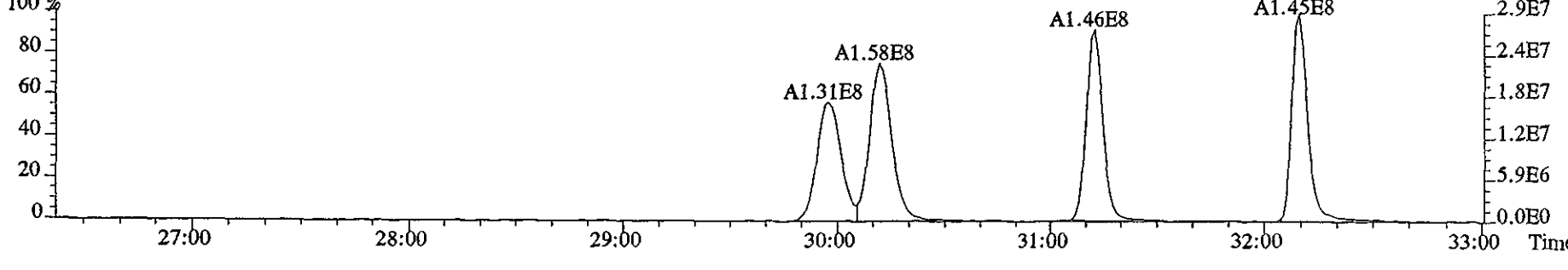
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152872.0,1.00%,F,T)



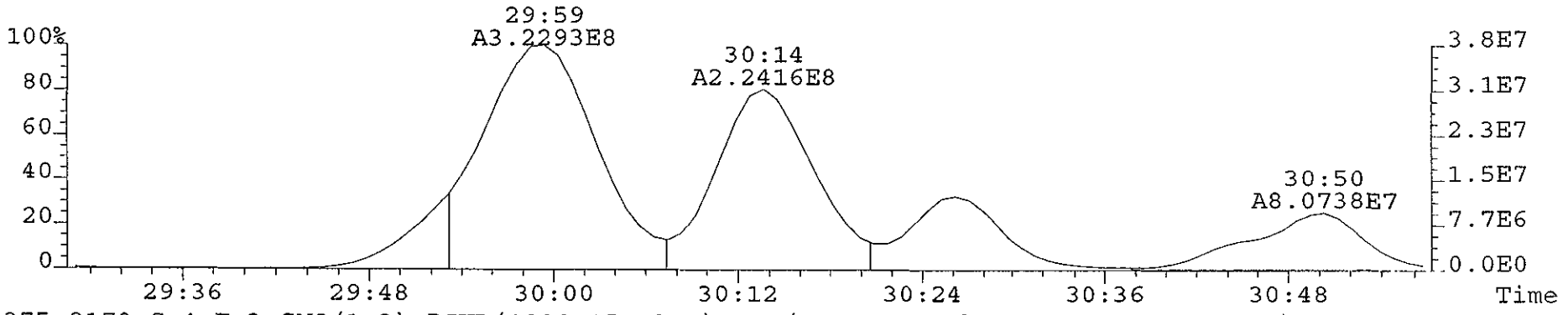
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2176.0,1.00%,F,T)



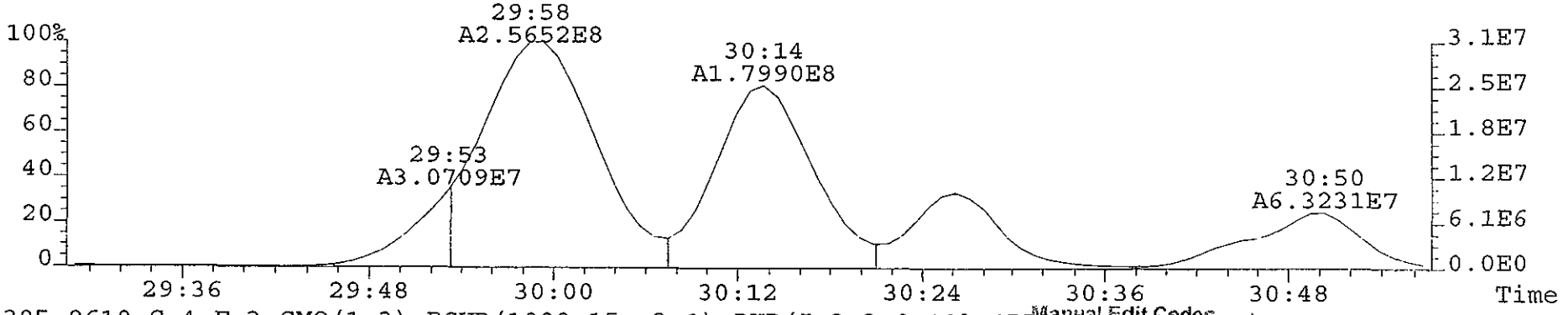
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4552.0,1.00%,F,T)



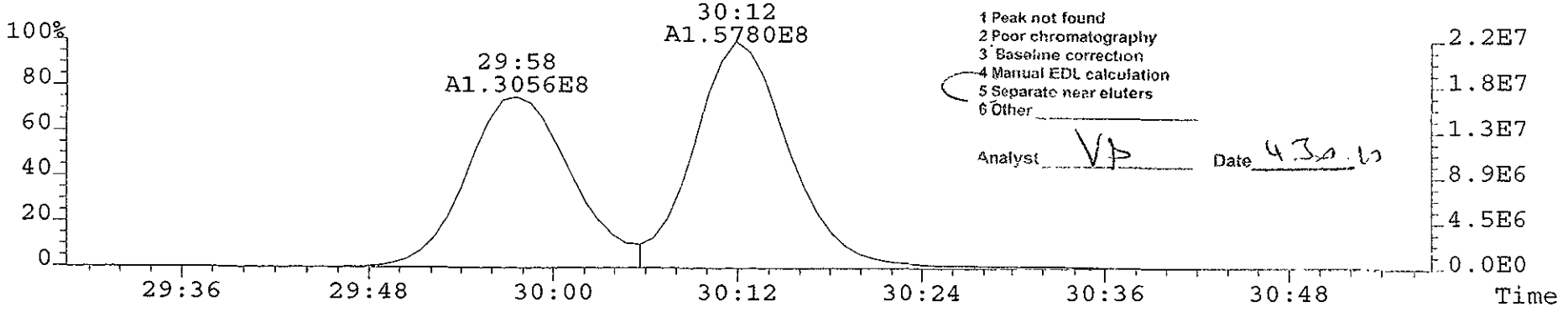
File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,193748.0,1.00%,F,T)



375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152872.0,1.00%,F,T)



385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4552.0,1.00%,F,T)

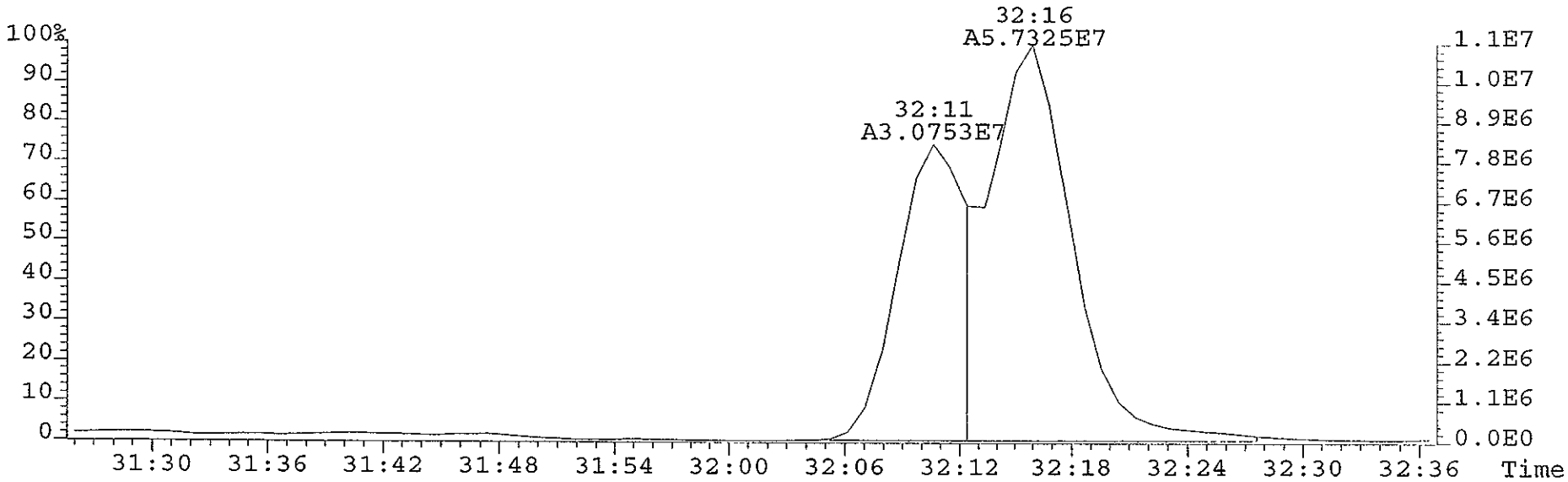


Manual Edit Codes

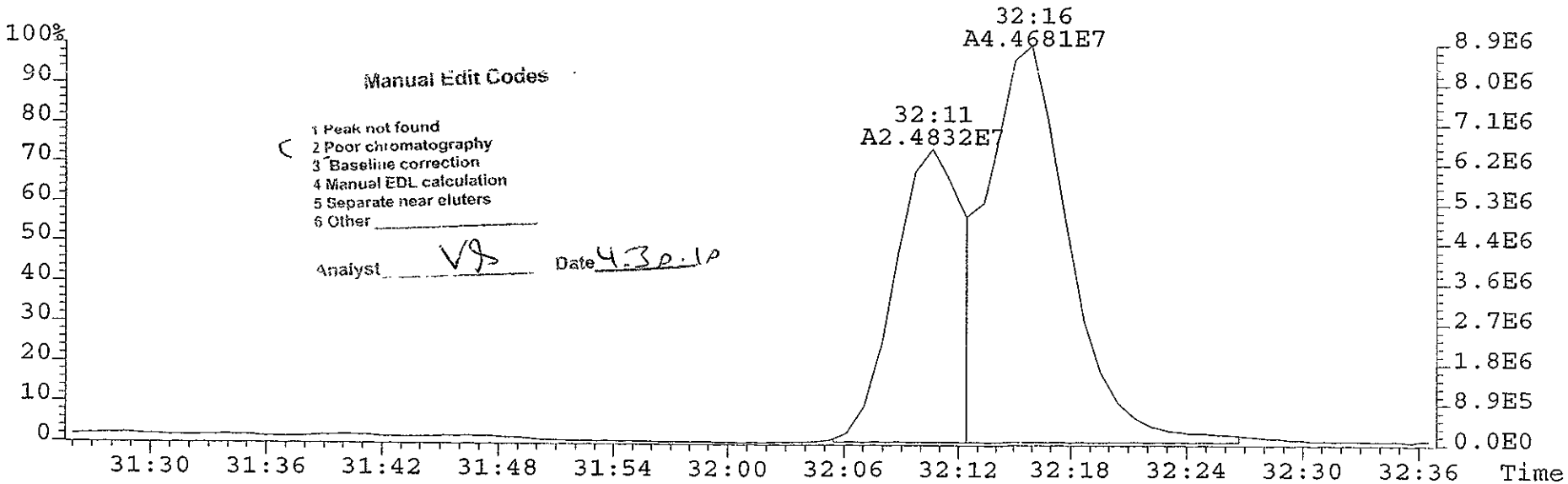
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VP Date 4.30.10

File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,193748.0,1.00%,F,T)



375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152872.0,1.00%,F,T)



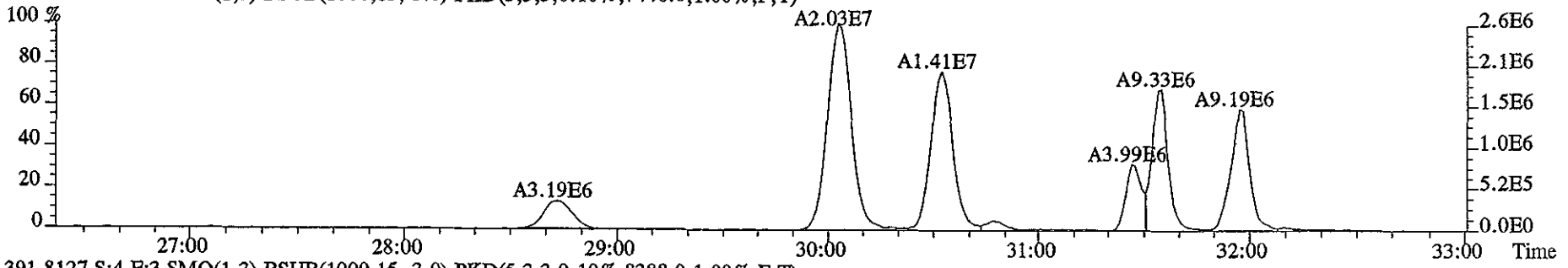
Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

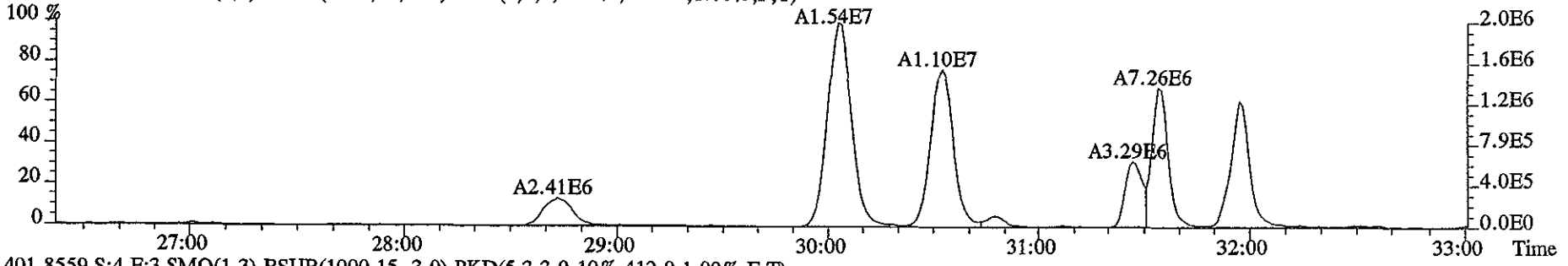
Analyst VS Date 4.30.10

File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES

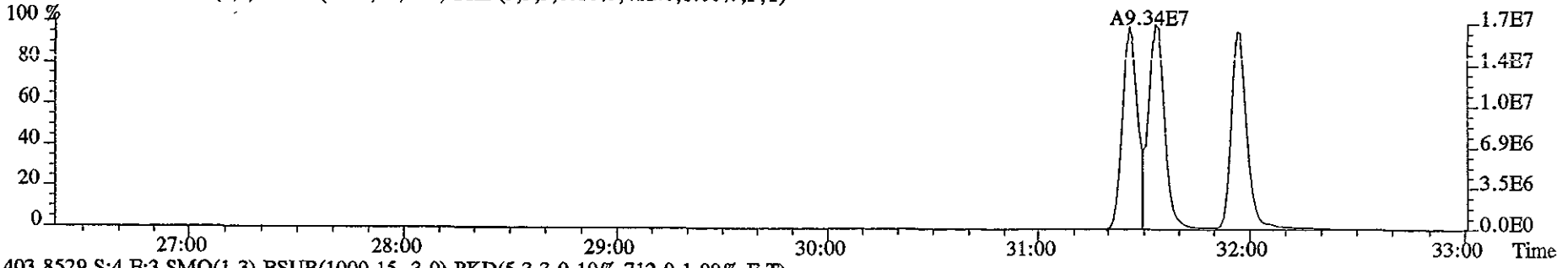
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7448.0,1.00%,F,T)



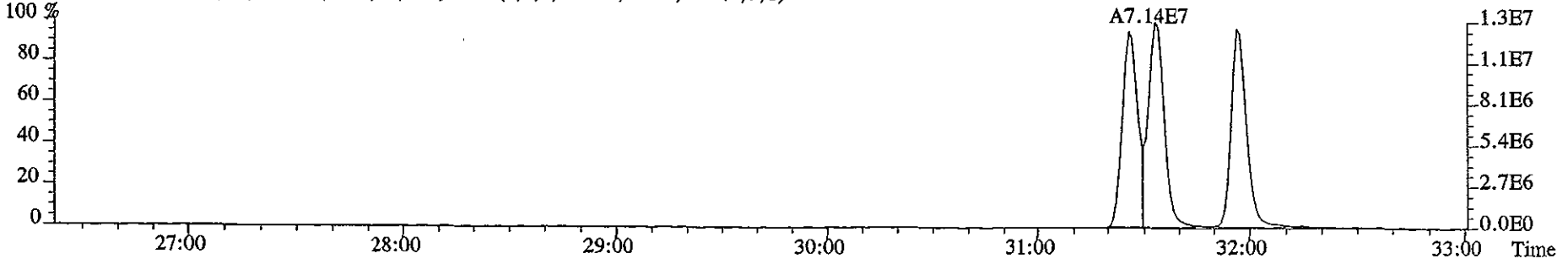
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8388.0,1.00%,F,T)



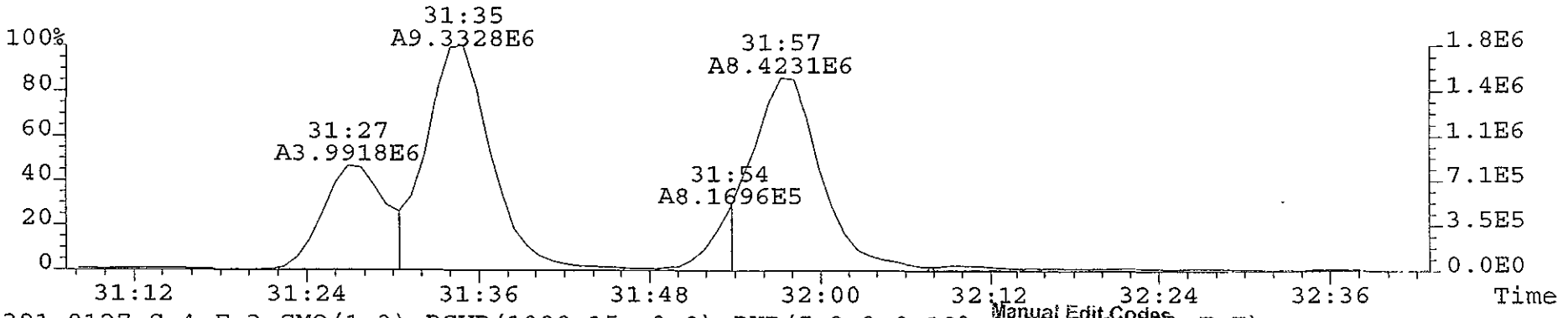
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,412.0,1.00%,F,T)



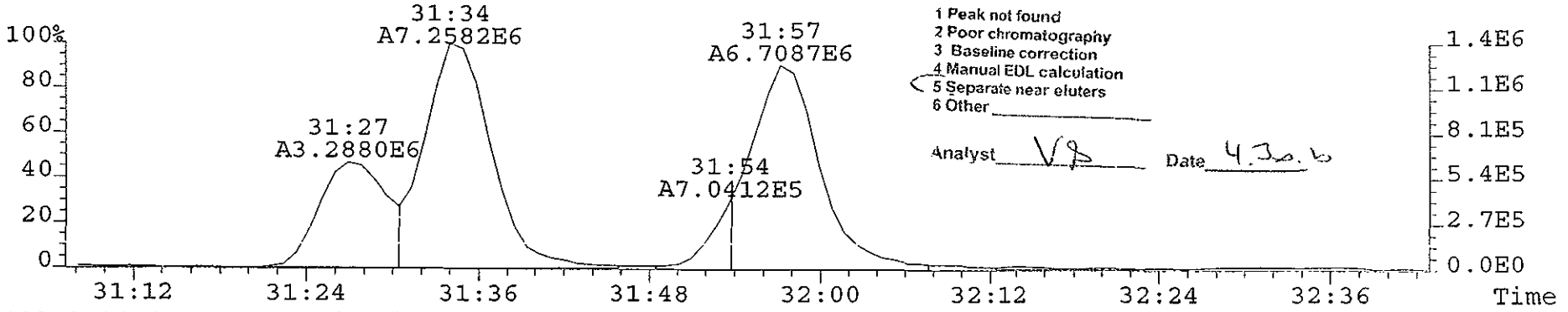
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7448.0,1.00%,F,T)



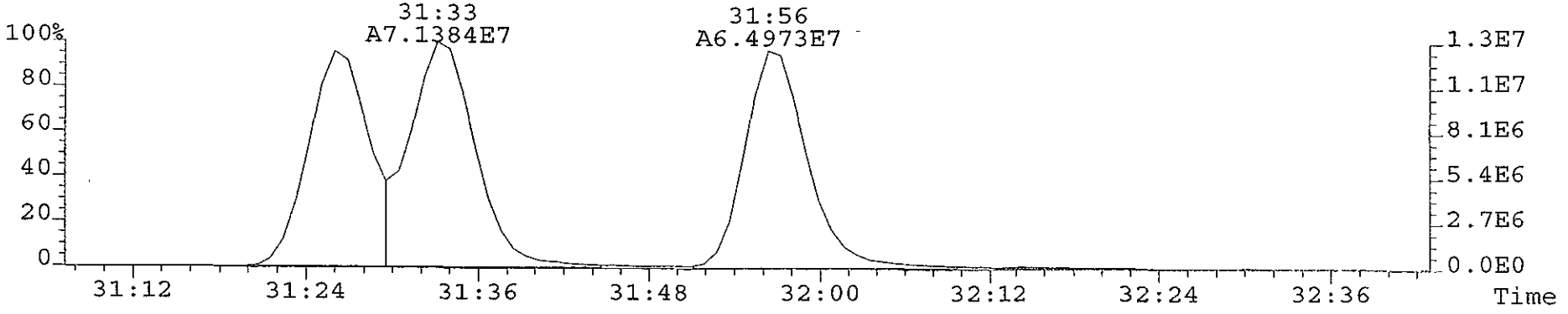
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8388.0,1.00%,F,T)



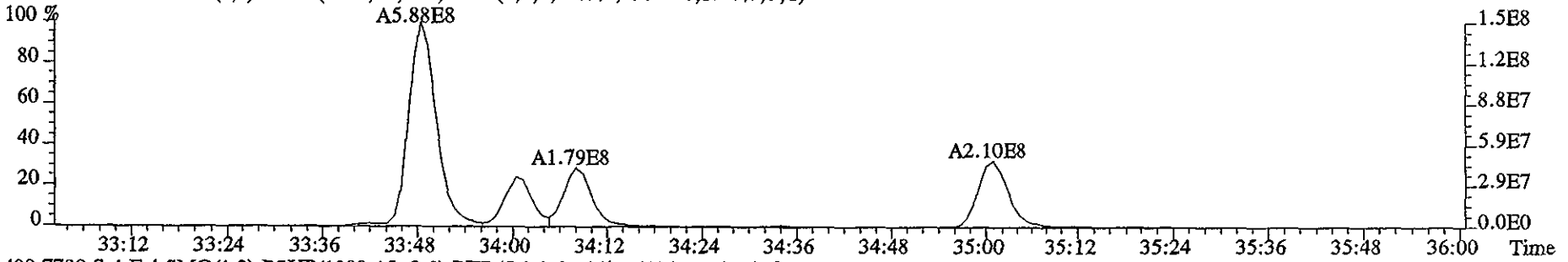
Manual Edit Codes
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other

Analyst VS Date 4.30.10

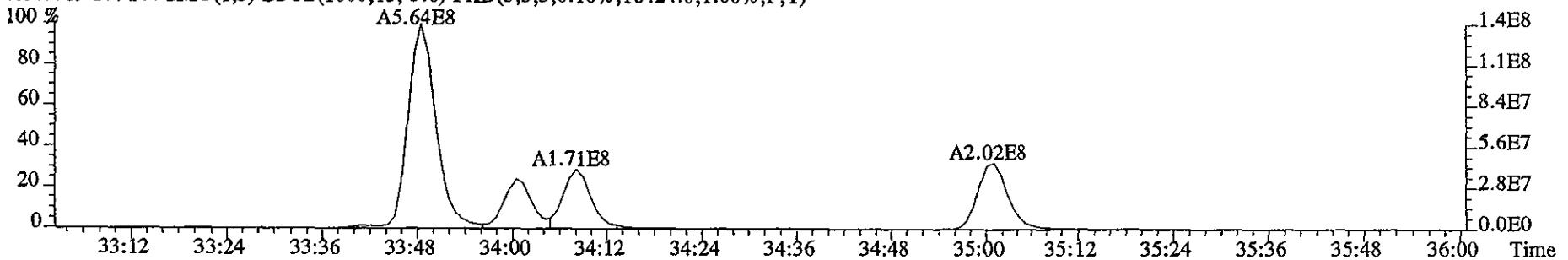
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



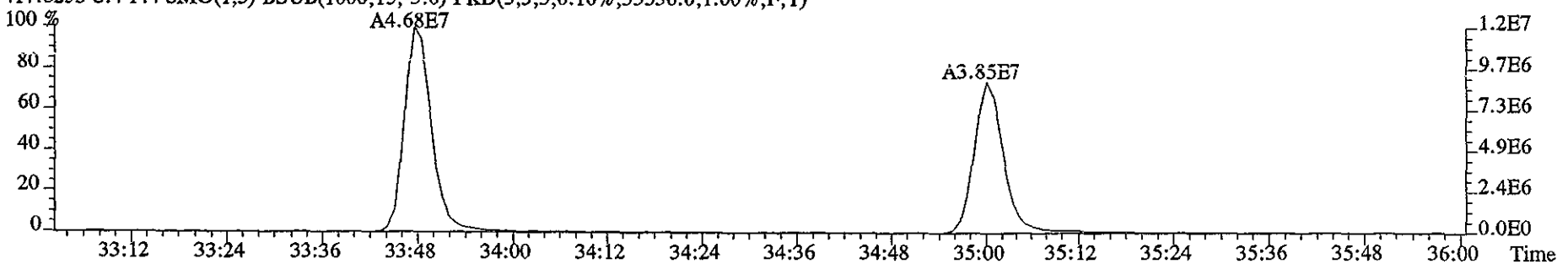
File:29AP101D5 #1-210 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49500.0,1.00%,F,T)



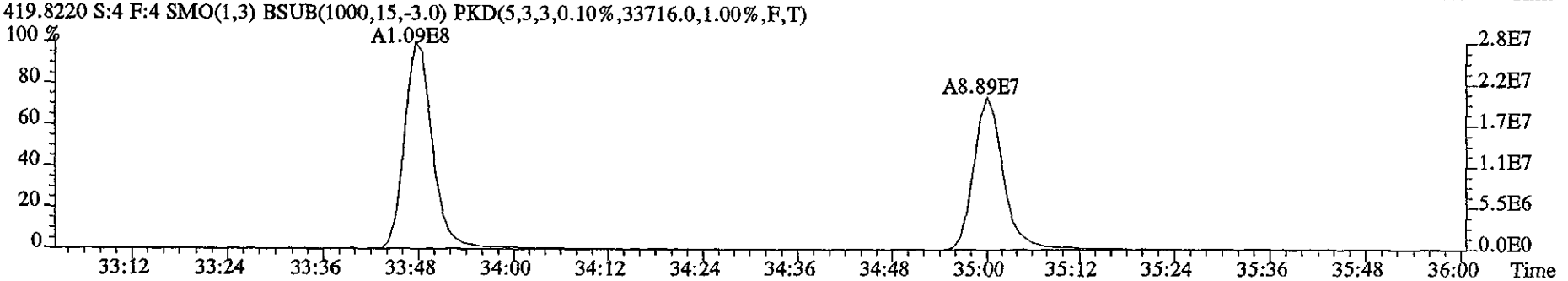
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16424.0,1.00%,F,T)



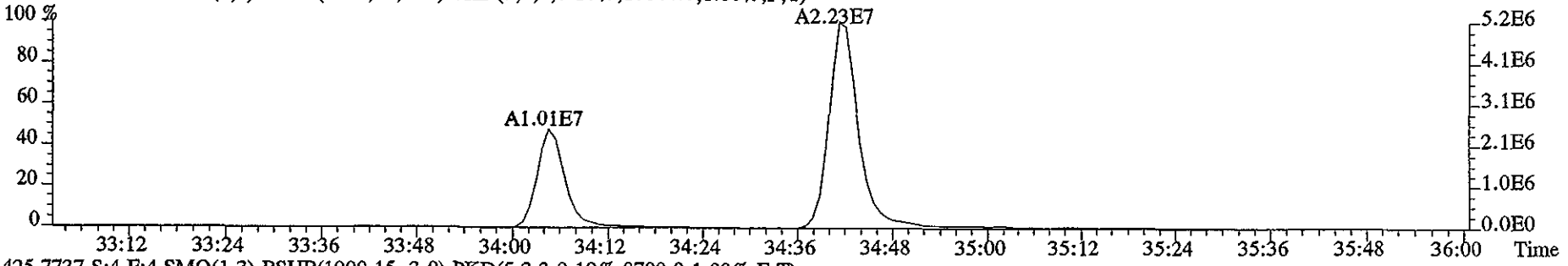
417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33536.0,1.00%,F,T)



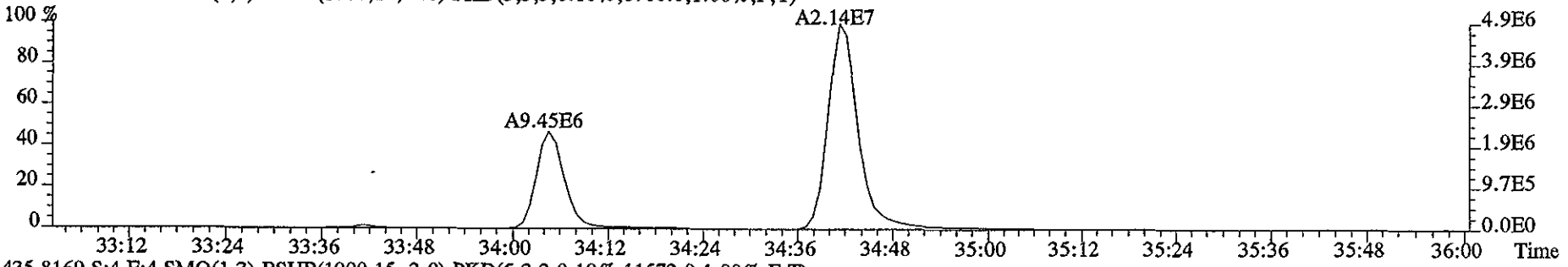
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33716.0,1.00%,F,T)



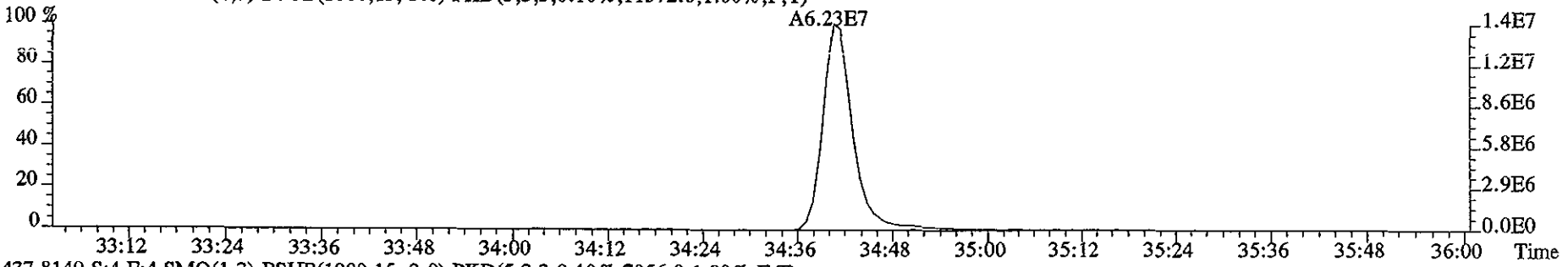
File:29AP101D5 #1-210 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10644.0,1.00%,F,T)



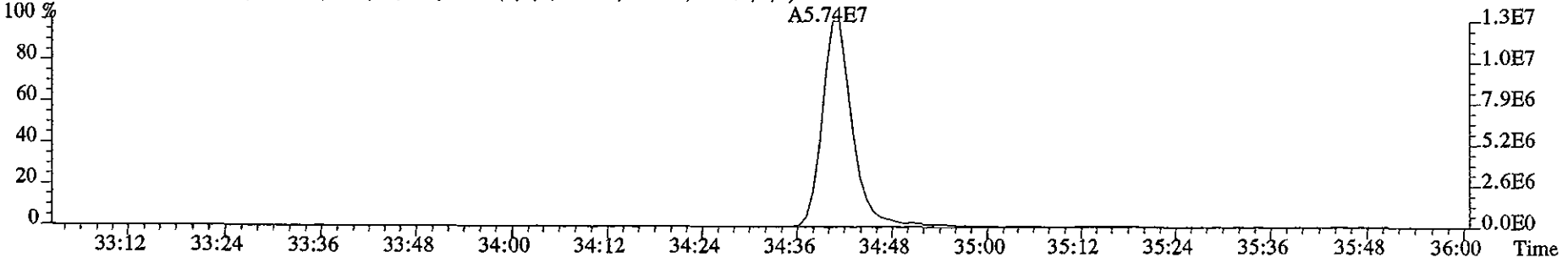
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8700.0,1.00%,F,T)



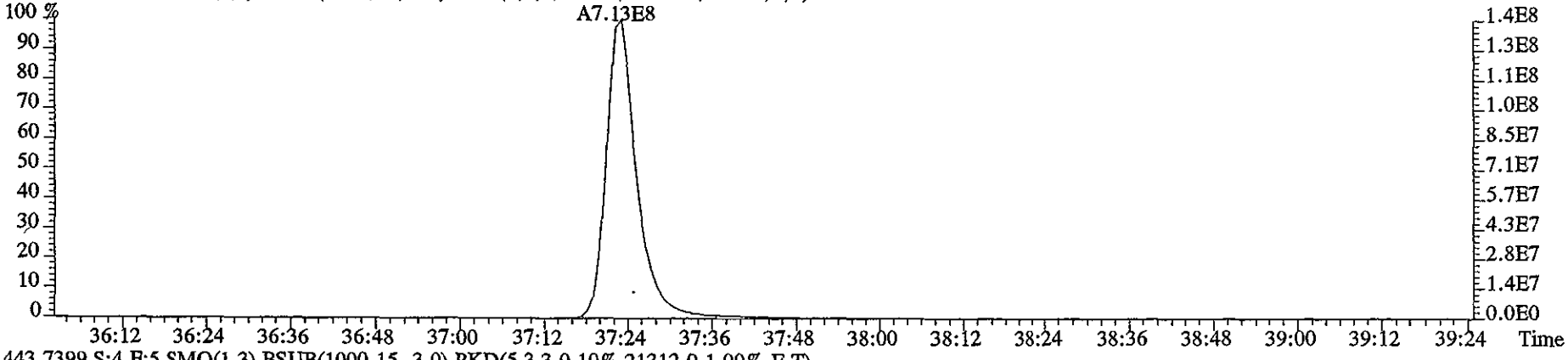
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11572.0,1.00%,F,T)



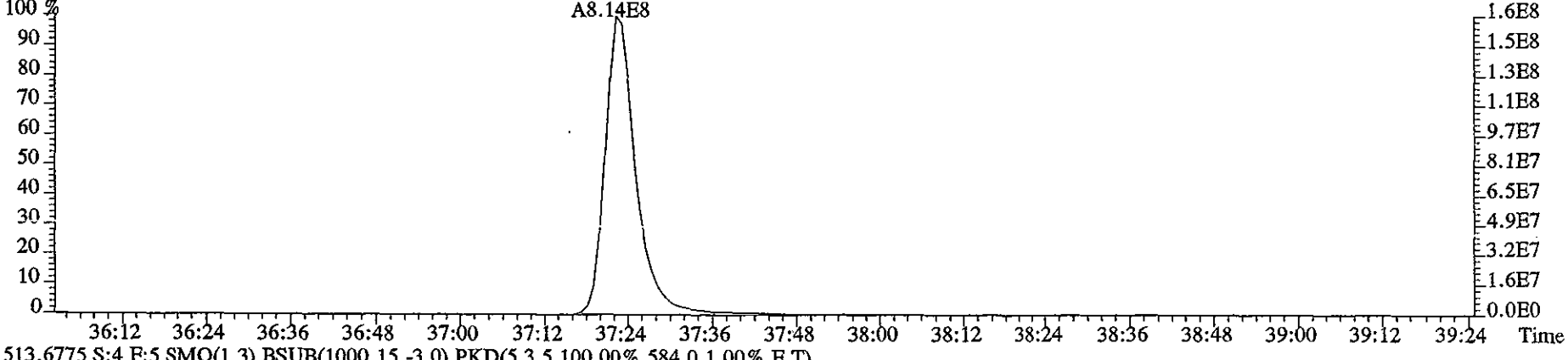
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7856.0,1.00%,F,T)



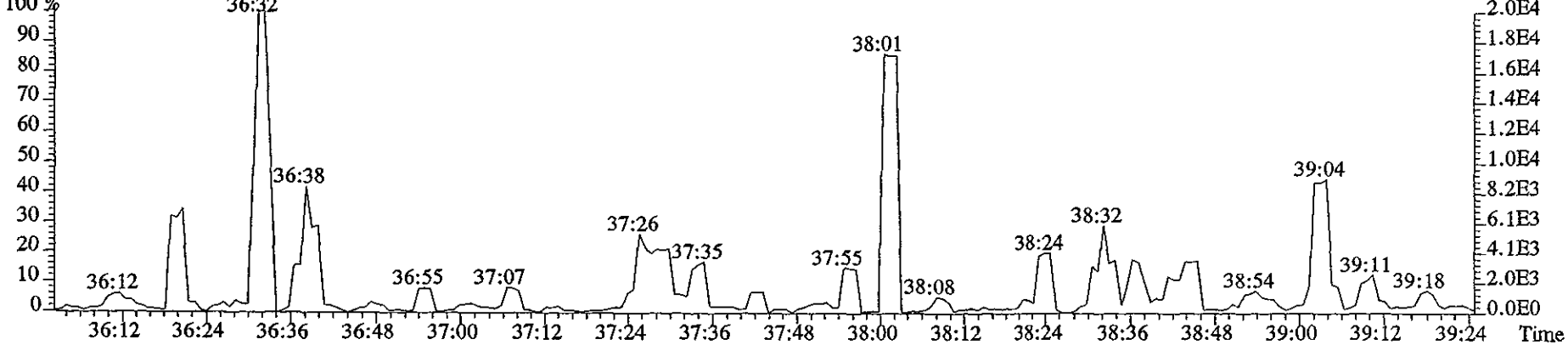
File:29AP101D5 #1-244 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17908.0,1.00%,F,T)



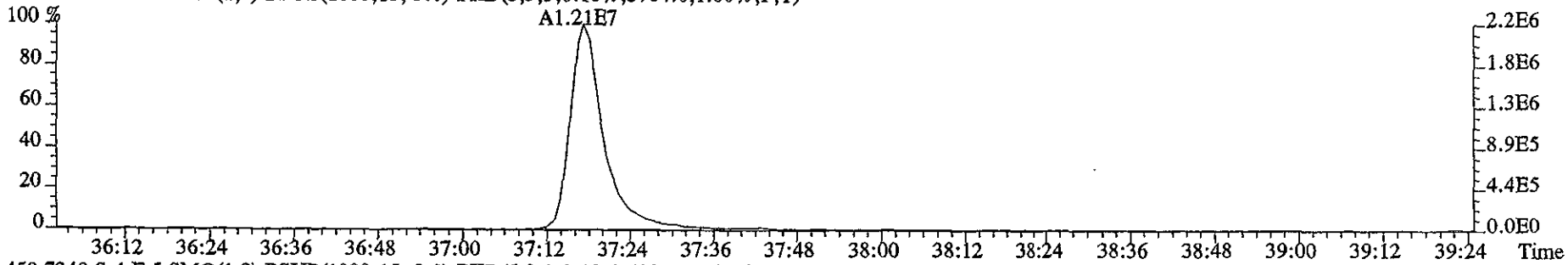
443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21312.0,1.00%,F,T)



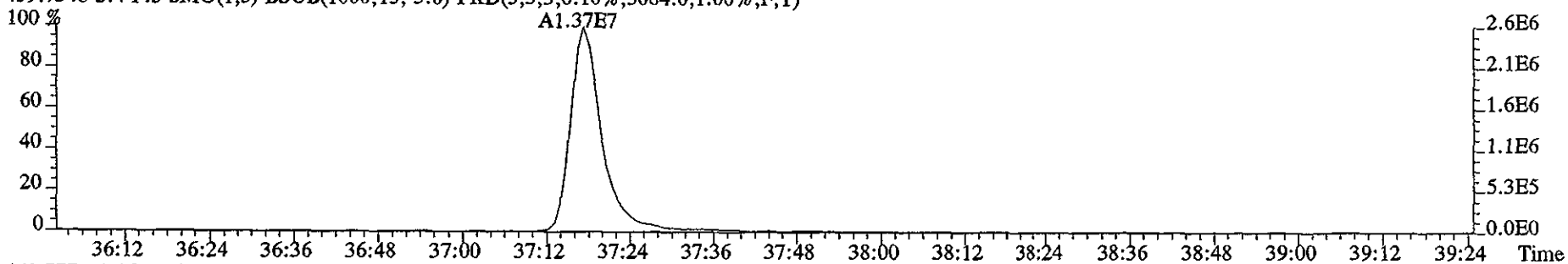
513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,584.0,1.00%,F,T)



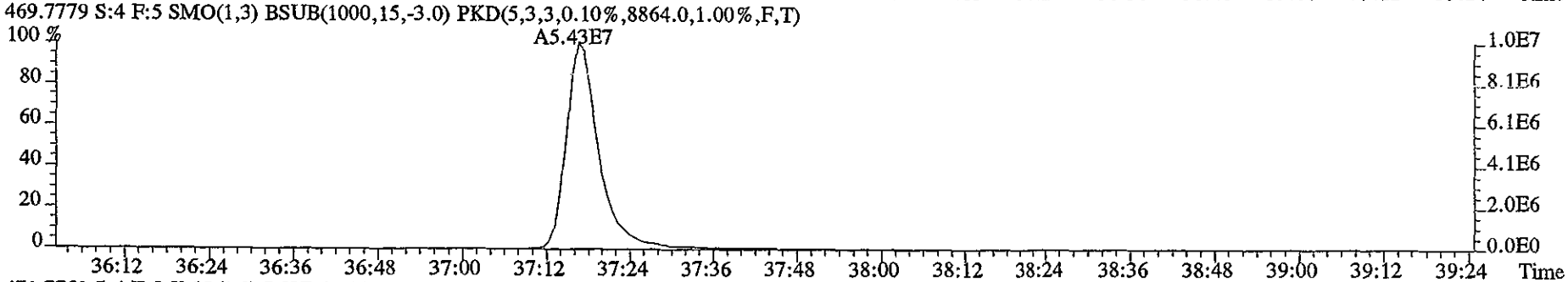
File:29AP101D5 #1-244 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5704.0,1.00%,F,T)



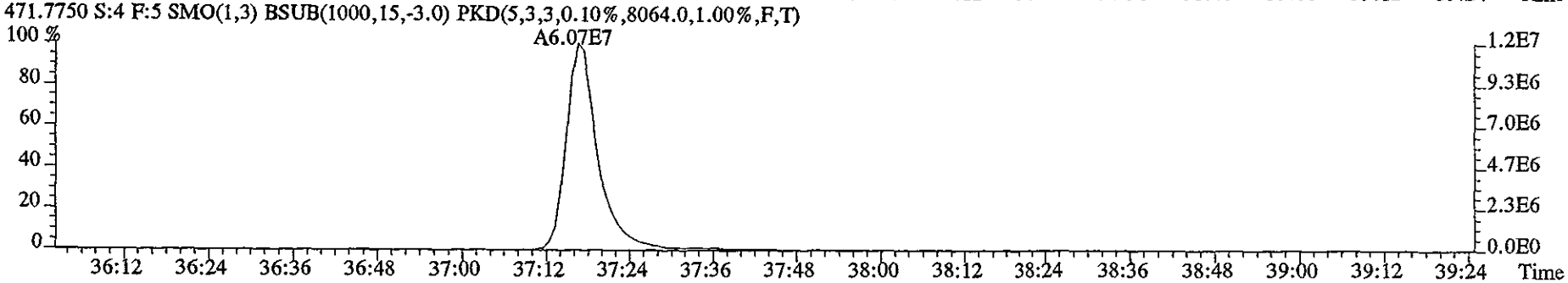
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5084.0,1.00%,F,T)



469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8864.0,1.00%,F,T)

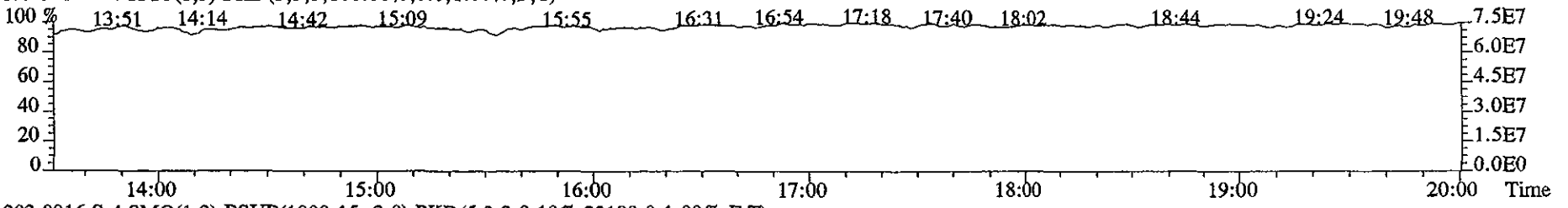


471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8064.0,1.00%,F,T)

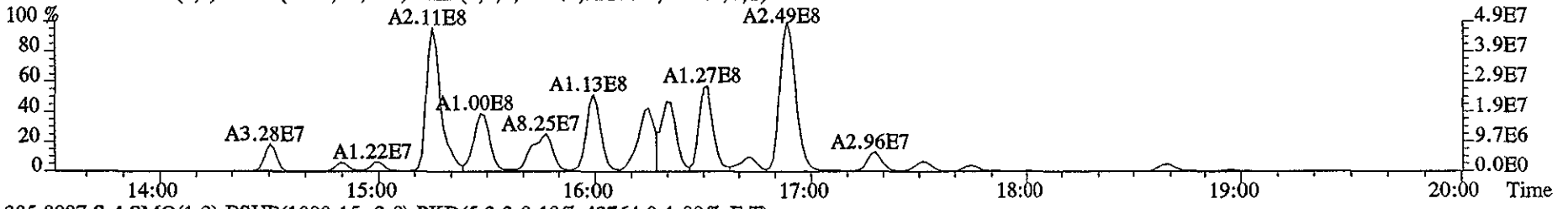


File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES

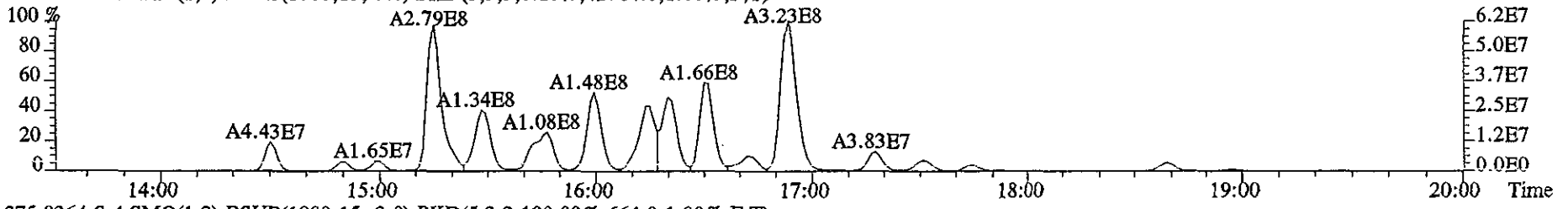
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



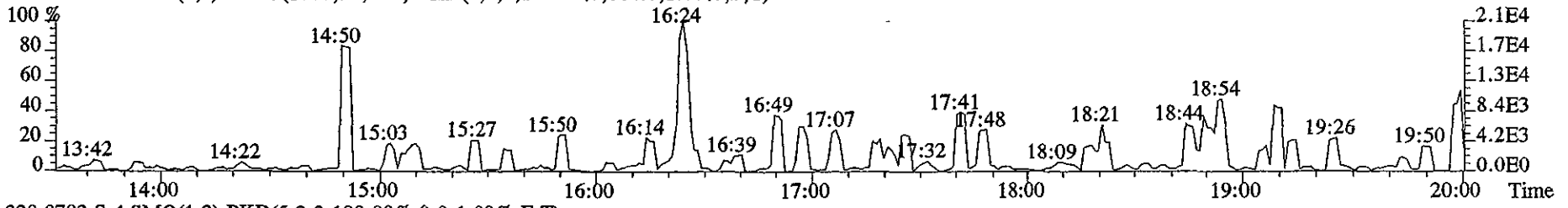
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32188.0,1.00%,F,T)



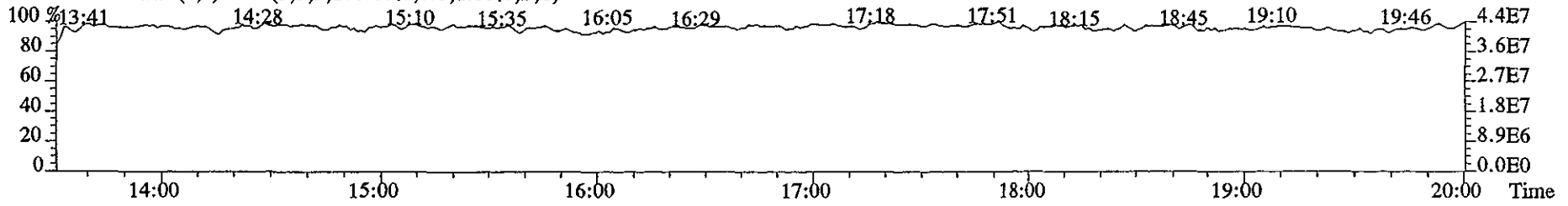
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42764.0,1.00%,F,T)



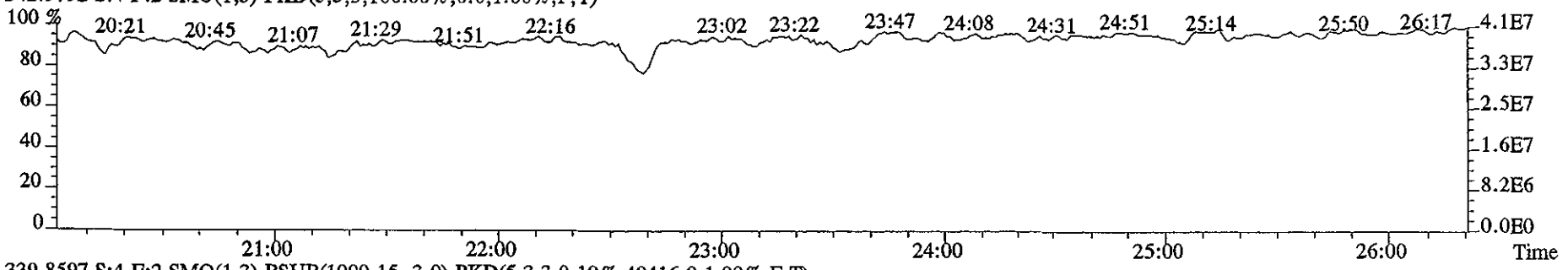
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,664.0,1.00%,F,T)



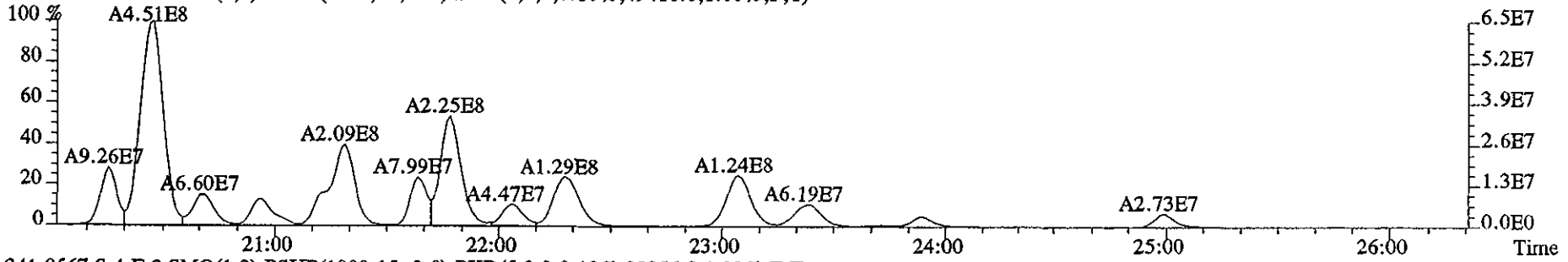
330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



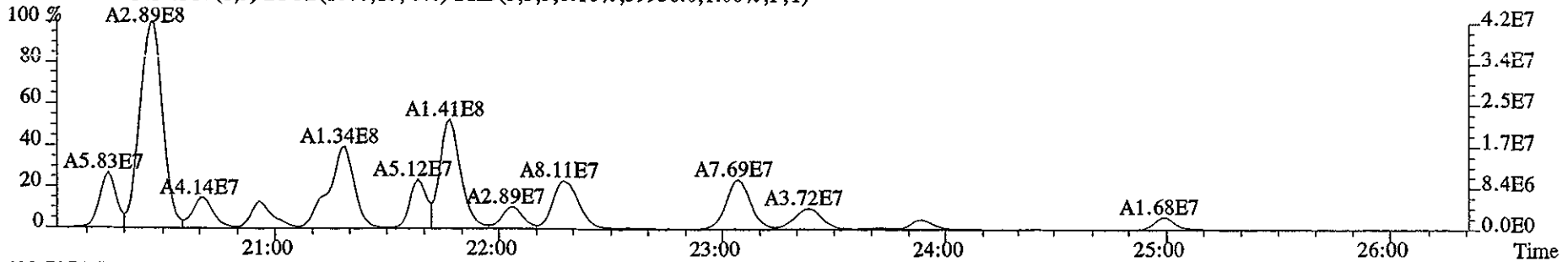
File:29AP101D5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



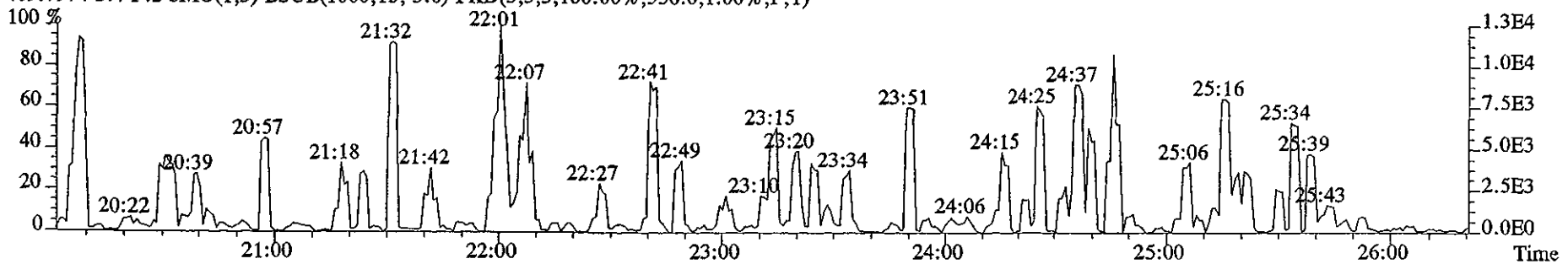
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49416.0,1.00%,F,T)



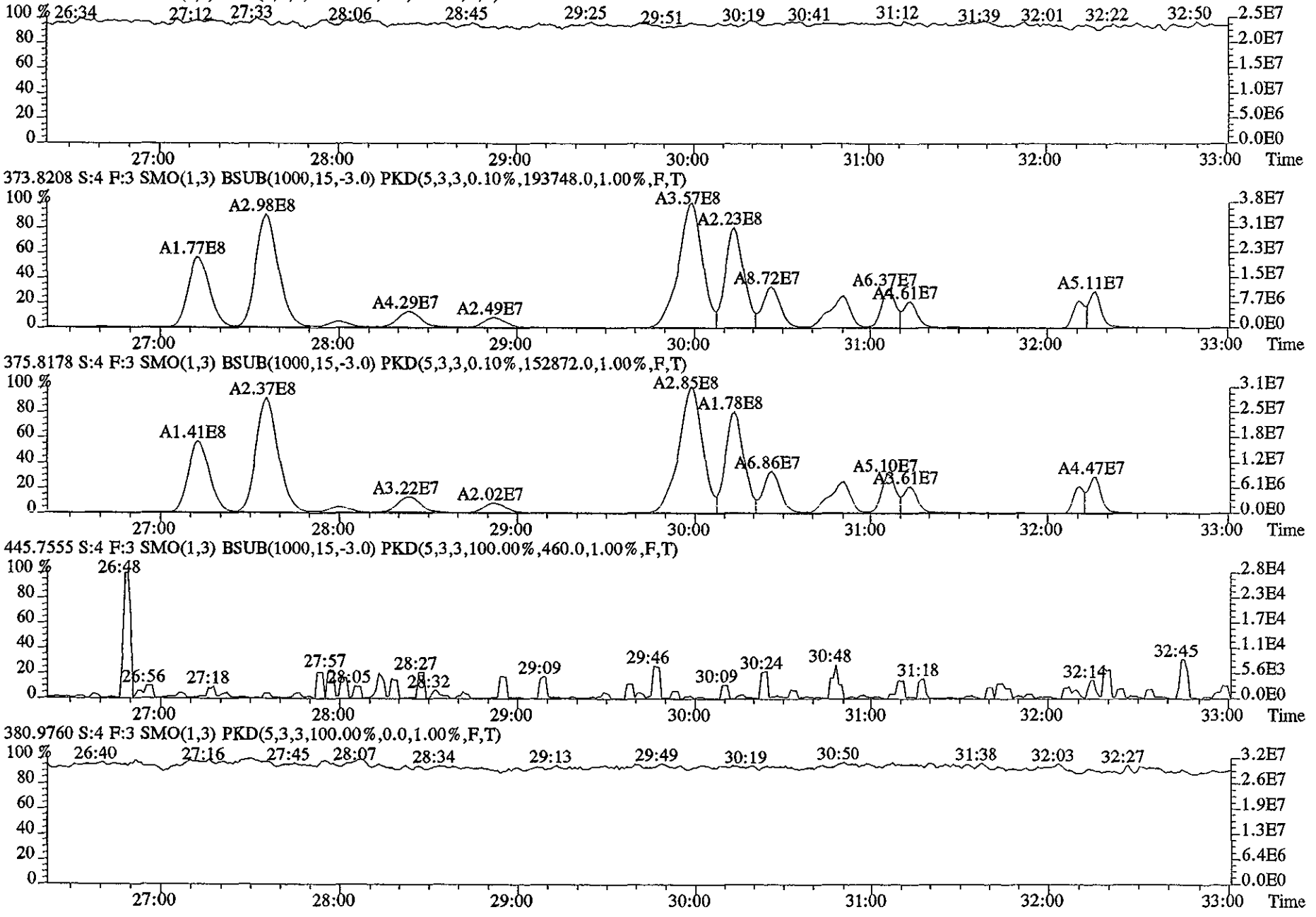
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39956.0,1.00%,F,T)



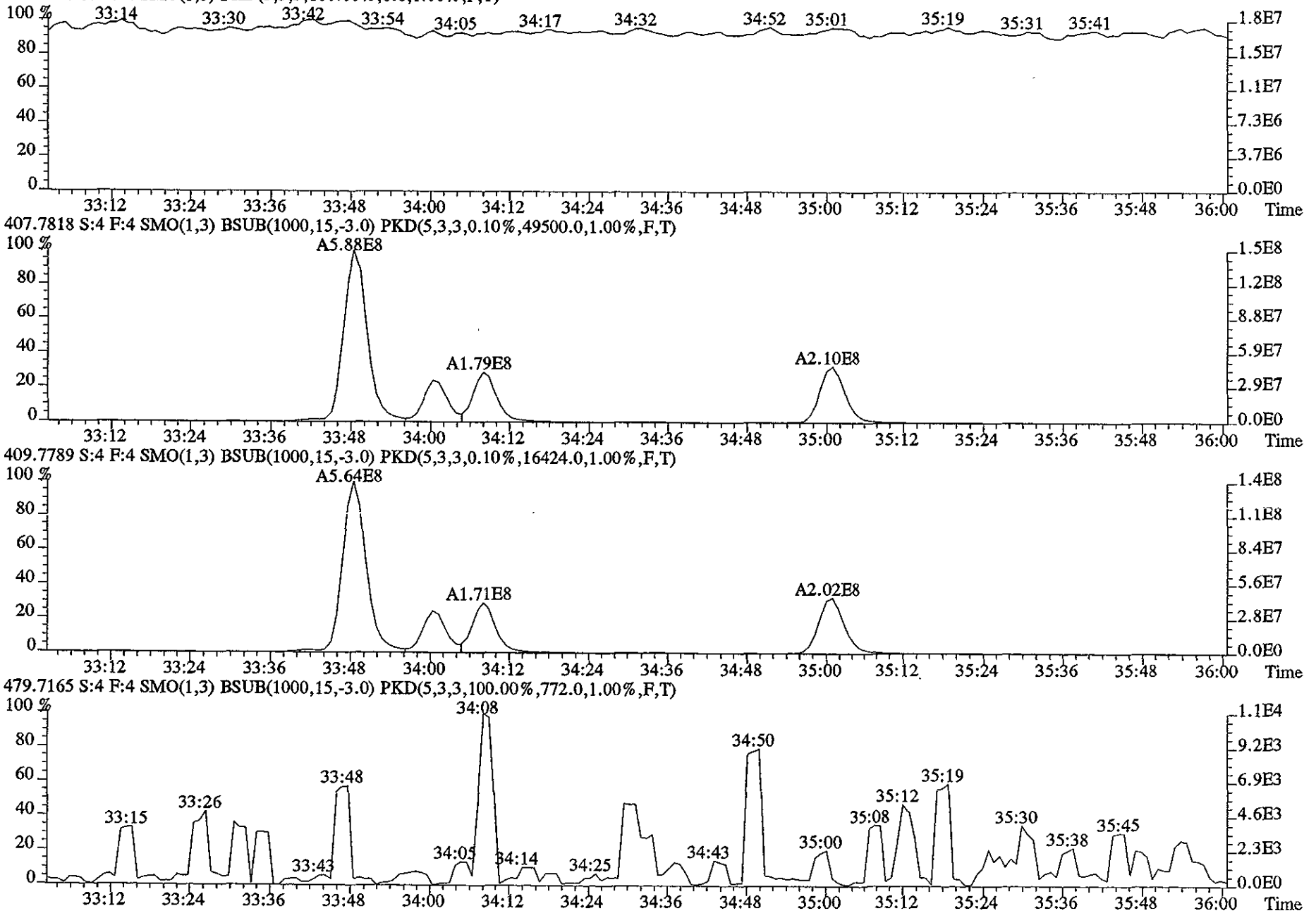
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,556.0,1.00%,F,T)



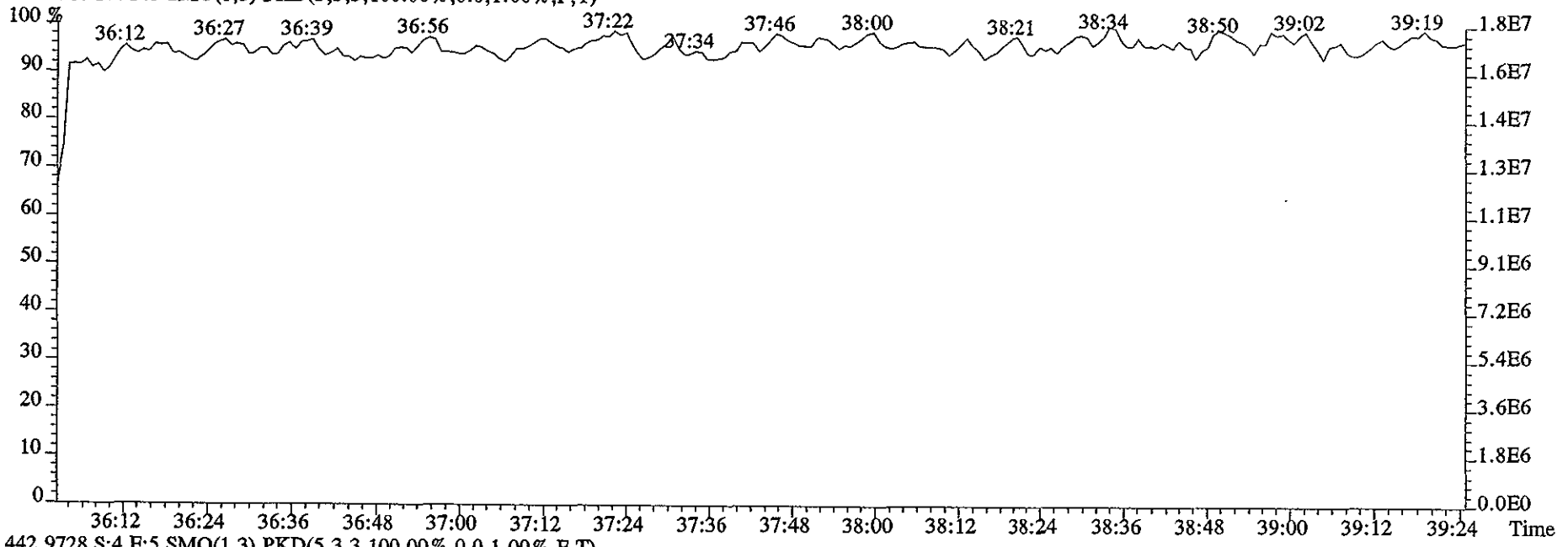
File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES



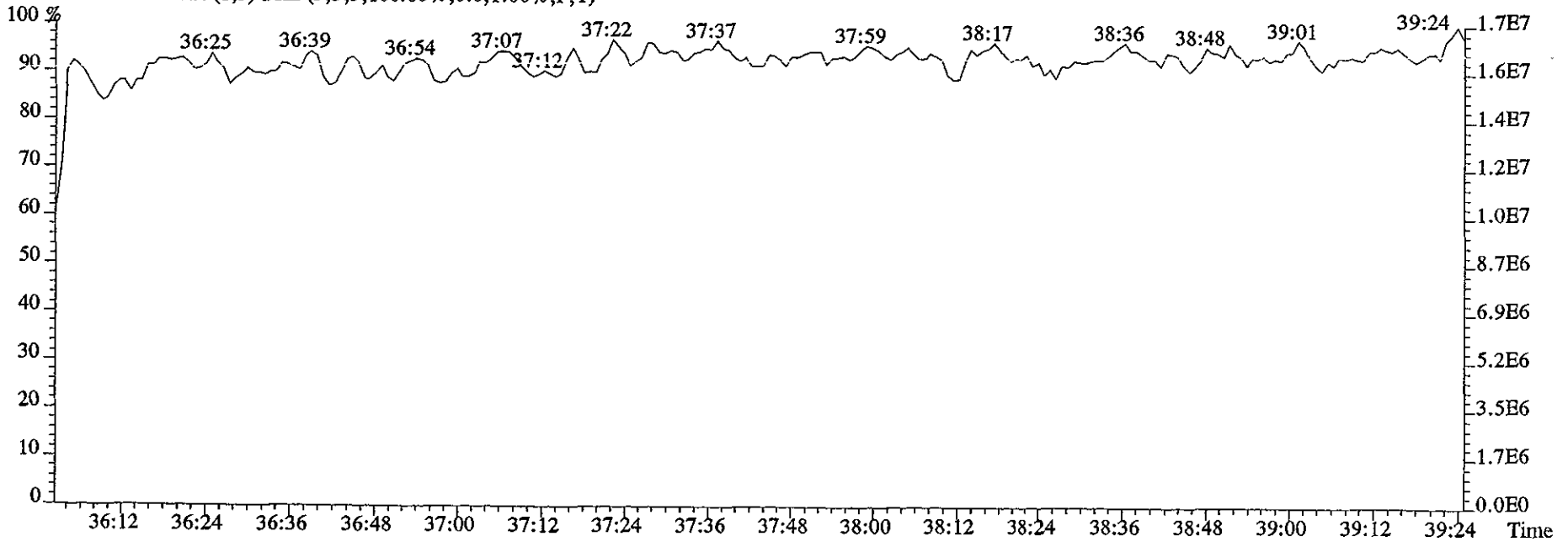
File:29AP101D5 #1-210 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES



File:29AP101D5 #1-244 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
Sample#4 Text:LX0PR-1-AE :G0D140543-10 Exp:DIOXINRES
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



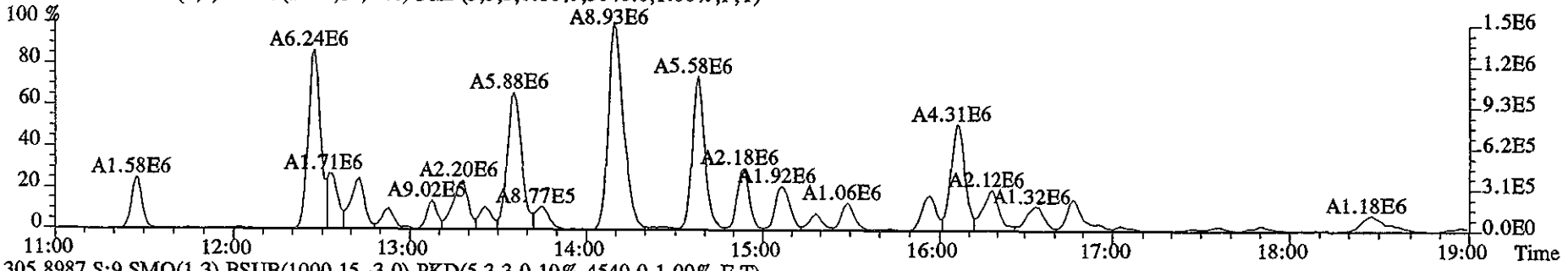
Run text: LX0PR-1-AE Sample text: LX0PR-1-AE :G0D140543-10
Run #13 Filename: 03MY10B5D2 S: 9 I: 1 Results: 03MY10B5D2DB225
Acquired: 4-MAY-10 03:15:13 Processed: 4-MAY-10 10:27:05
Run: 03MY10B5D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0500 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	6219021	0.69 y	14:54	-	0.62	-	-	n
13C-2,3,7,8-TCDF	18475696	0.81 y	16:05	2.11	140.34	1.93	70.5	n
2,3,7,8-TCDF	9768193	0.79 y	16:06	1.09	96.66	1.24	-	n
13C-2,3,7,8-TCDD	8253468	0.75 y	14:42	0.95	139.23	3.44	70.0	n
2,3,7,8-TCDD	544186	0.88 y	14:43	1.36	9.67	1.57	-	n
37Cl-2,3,7,8-TCDD	8784884	1.00 y	14:43	2.28	61.70	0.16	77.5	n

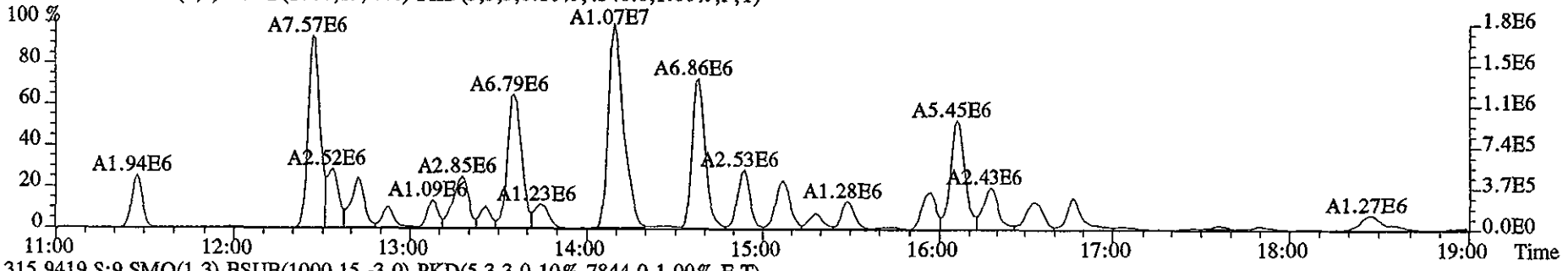
AK 5/4/10

File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AE :G0D140543-10 Exp:DB225RES

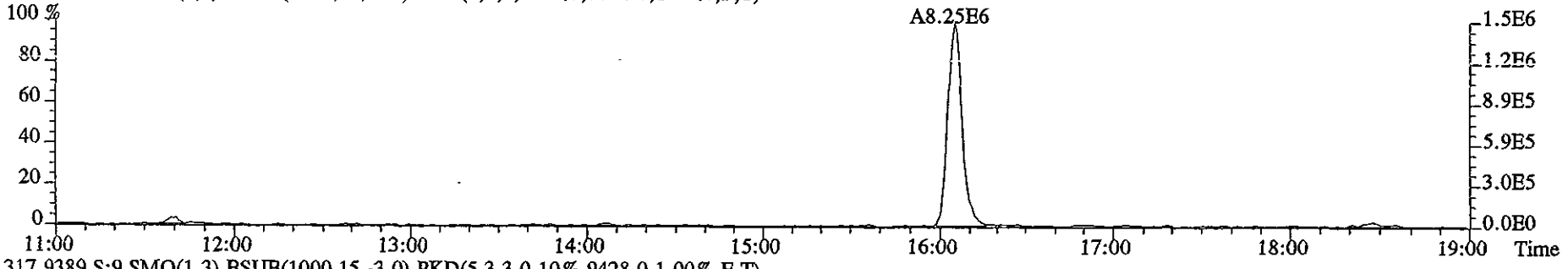
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3040.0,1.00%,F,T)



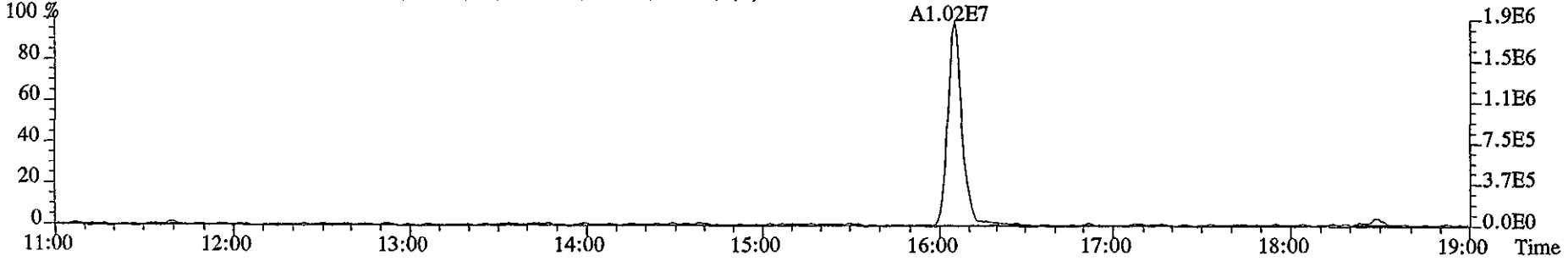
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4540.0,1.00%,F,T)



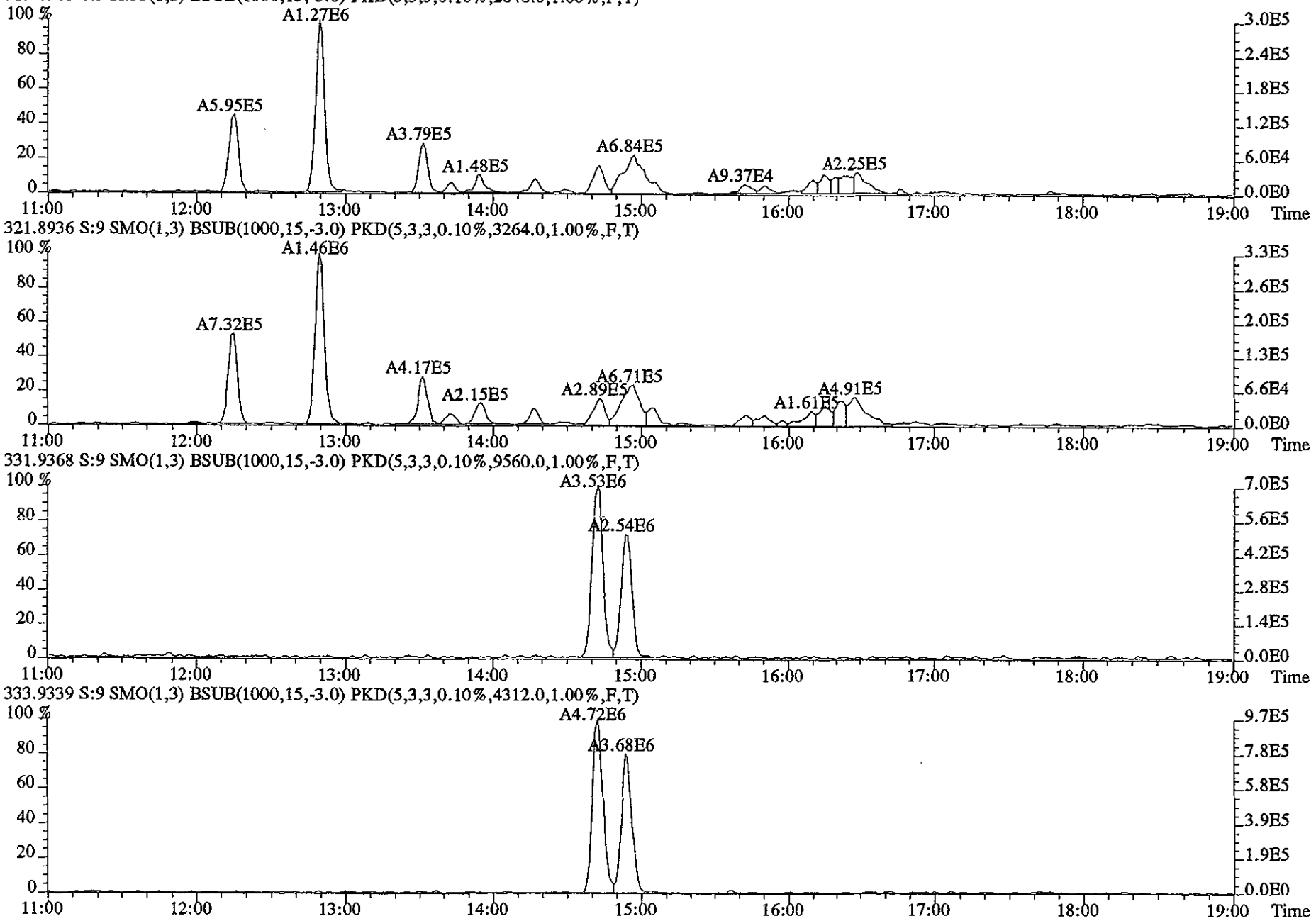
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7844.0,1.00%,F,T)



317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9428.0,1.00%,F,T)

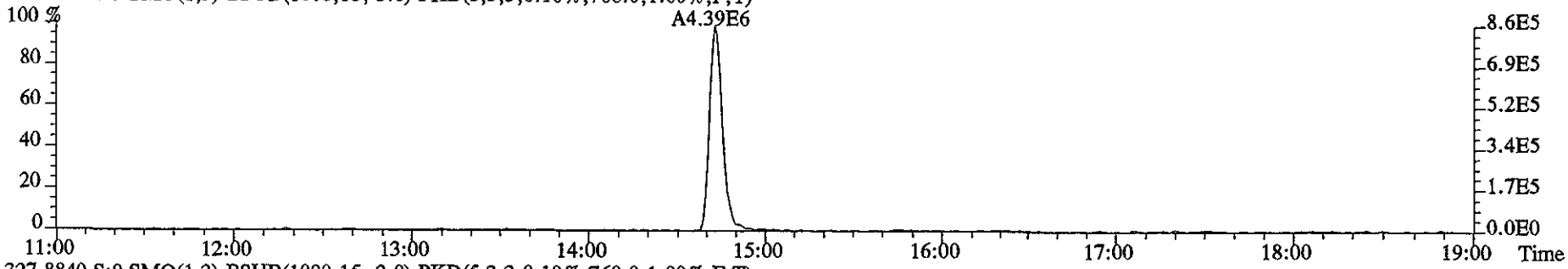


File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AE :G0D140543-10 Exp:DB225RES

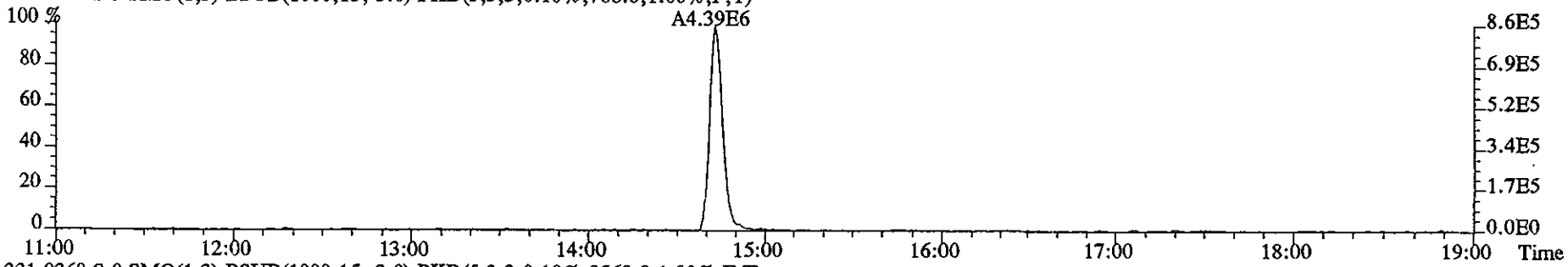


File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AE :G0D140543-10 Exp:DB225RES

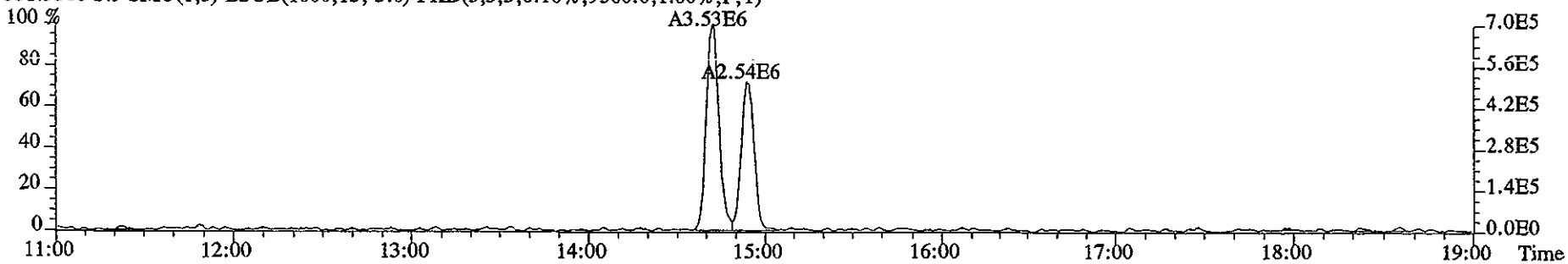
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,768.0,1.00%,F,T)



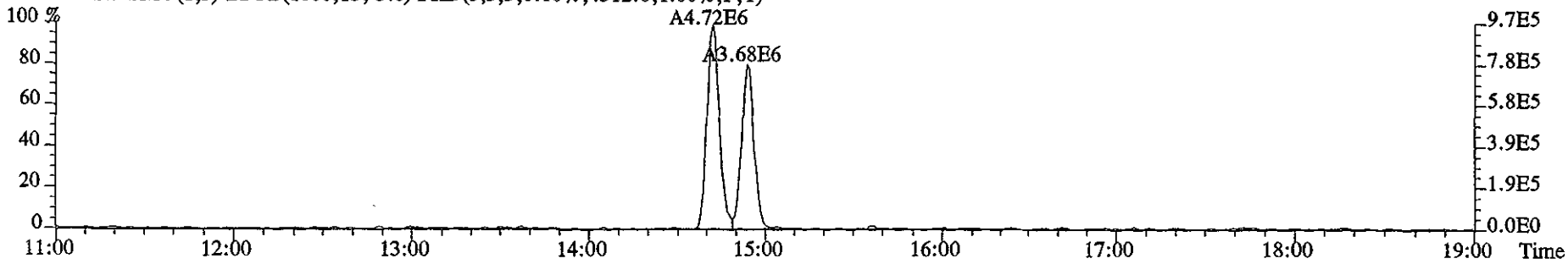
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,768.0,1.00%,F,T)



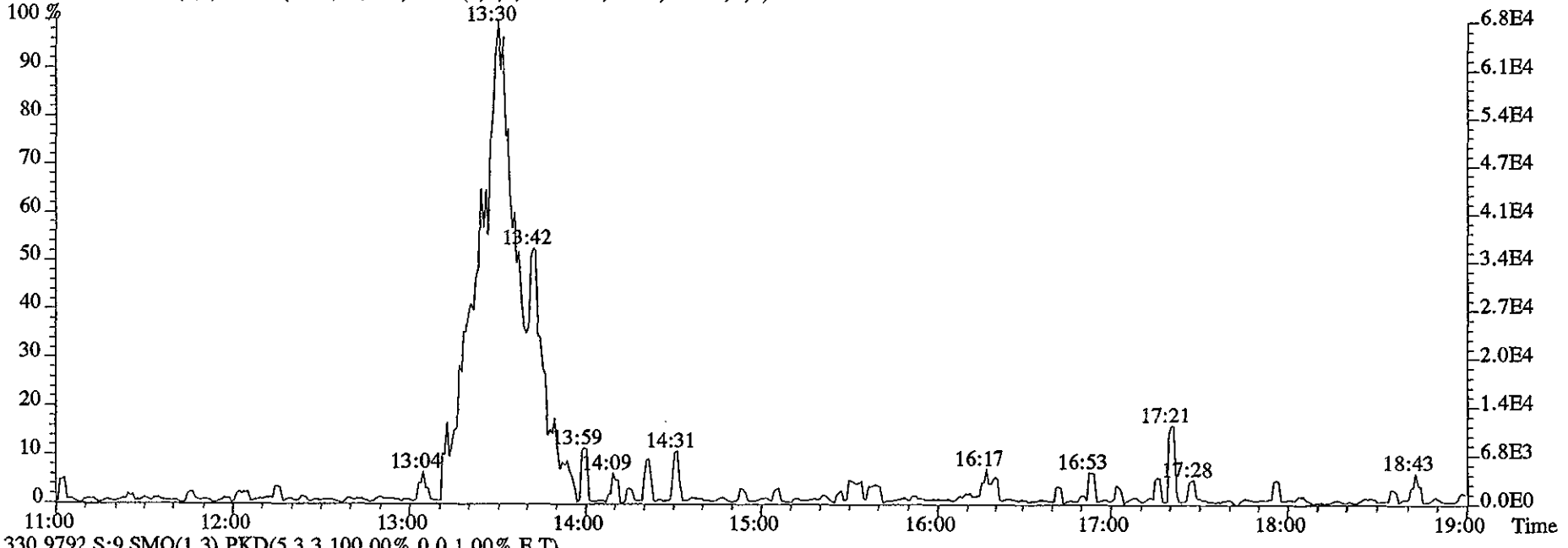
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



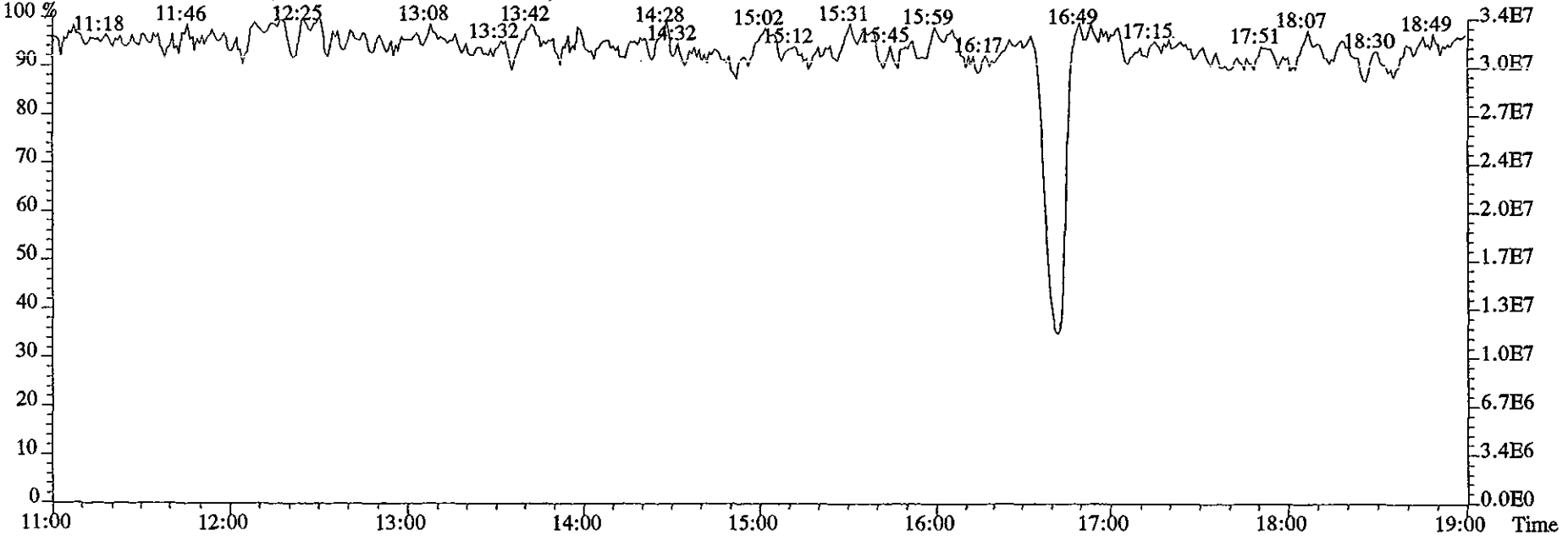
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4312.0,1.00%,F,T)



File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 03:15:13 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AE :G0D140543-10 Exp:DB225RES
375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,740.0,1.00%,F,T)



330.9792 S:9 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX0PR-1-AF Sample text: LX0PR-1-AF :G0D140543-10MS
Run #9 Filename: 29AP101D5 S: 8 I: 1 Results: 29ap101d58290vg
Acquired: 29-APR-10 14:43:11 Processed: 29-APR-10 22:38:45
Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.02 g

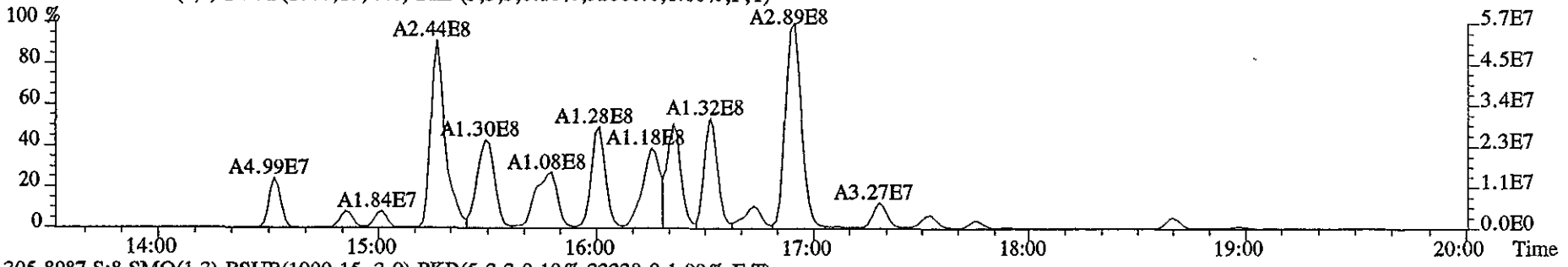
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	244497000	0.83	y	17:23	-	7.83	-	-	n
13C-2,3,7,8-TCDF	366442000	0.81	y	16:53	1.57	95.51	0.12	47.9	n
2,3,7,8-TCDF	665005000	0.77	y	16:55	0.86	421.26 see DB225	0.54	-	n
Total TCDF	3443929800	0.77	y	14:32	0.86	~~2181.62~~	0.54	-	n
13C-2,3,7,8-TCDD	265856000	0.81	y	17:34	0.99	109.25	0.16	54.7	n
2,3,7,8-TCDD	34053000	0.76	y	17:35	0.93	27.38 ✓	0.19	-	n
Total TCDD	263289452	0.75	y	15:25	0.93	~~211.69~~	0.19	-	n
37Cl-2,3,7,8-TCDD	332388000	1.00	y	17:35	2.22	61.17	0.10	76.6	n
13C-1,2,3,7,8-PeCDF	304015000	1.61	y	21:45	1.07	115.67 ✓	0.18	57.9	n
1,2,3,7,8-PeCDF	629266000	1.60	y	21:46	1.00	413.11 ✓	1.46	-	n
2,3,4,7,8-PeCDF	402688000	1.60	y	23:04	0.94	281.68 ✓	1.55	-	n
Total F2 PeCDF	3443333310	1.61	y	20:16	0.97	~~2328.06~~	1.50	-	n
Total F1 PeCDF	209038496	1.17	n	15:44	0.97	~~141.59~~	0.19	-	n
13C-1,2,3,7,8-PeCDD	193385500	1.64	y	23:46	0.67	118.46	0.13	59.3	n
1,2,3,7,8-PeCDD	117955700	1.64	y	23:47	0.93	131.03 ✓	0.58	-	n
Total PeCDD	304344714	1.64	y	20:39	0.93	~~338.08~~	0.58	-	n
13C-1,2,3,7,8,9-HxCDD	191754600	1.29	y	31:57	-	6.98	-	-	n
13C-1,2,3,4,7,8-HxCDF	210702600	0.51	y	29:57	0.89	122.83 ✓	0.63	61.5	n
1,2,3,4,7,8-HxCDF	1028812000	1.26	y	29:59	1.20	812.80 ✓	10.36	-	y
1,2,3,6,7,8-HxCDF	748070000	1.28	y	30:13	1.37	516.81 ✓	9.06	-	y
2,3,4,6,7,8-HxCDF	276517000	1.27	y	31:13	1.24	210.90 ✓	10.00	-	n
1,2,3,7,8,9-HxCDF	222376500	1.25	y	32:10	1.33	158.86 ✓	9.37	-	y
Total HxCDF	4286851300	1.26	y	27:12	1.28	3182.39	9.67	-	y
13C-1,2,3,6,7,8-HxCDD	181696100	1.26	y	31:33	0.73	129.17 ✓	0.13	64.7	n
1,2,3,4,7,8-HxCDD	96787300	1.28	y	31:27	0.97	109.62 ✓	0.25	-	n
1,2,3,6,7,8-HxCDD	136780700	1.29	y	31:34	1.06	141.97 ✓	0.23	-	n
1,2,3,7,8,9-HxCDD	142703200	1.26	y	31:57	1.28	122.93 ✓	0.19	-	n
Total HxCDD	497174170	1.20	y	28:43	1.10	~~495.13~~	0.22	-	n
13C-1,2,3,4,6,7,8-HpCDF	191614300	0.44	y	33:48	0.86	115.94	0.77	58.1	n
1,2,3,4,6,7,8-HpCDF	2086480000	1.04	y	33:49	1.29	1689.28 ✓E	0.35	-	n
1,2,3,4,7,8,9-HpCDF	733831000	1.05	y	35:00	1.14	673.28 ✓	0.40	-	n
Total HpCDF	3946355550	1.04	y	33:49	1.21	~~3331.17~~	0.37	-	n
13C-1,2,3,4,6,7,8-HpCDD	159716200	1.09	y	34:41	0.75	110.51	0.68	55.4	n
1,2,3,4,6,7,8-HpCDD	168931300	1.04	y	34:42	1.00	211.58 ✓	0.30	-	n
Total HpCDD	212350970	2.26	n	33:40	1.00	~~265.96~~	0.30	-	n
13C-OCDD	205163400	0.94	y	37:17	0.56	189.18	0.66	47.4	n
OCDF	3023140000	0.89	y	37:23	1.44	4092.55 ✓E	1.18	-	n

OCDD	184841000	0.89	y	37:17	1.11	324.15 ✓	0.59	-	n

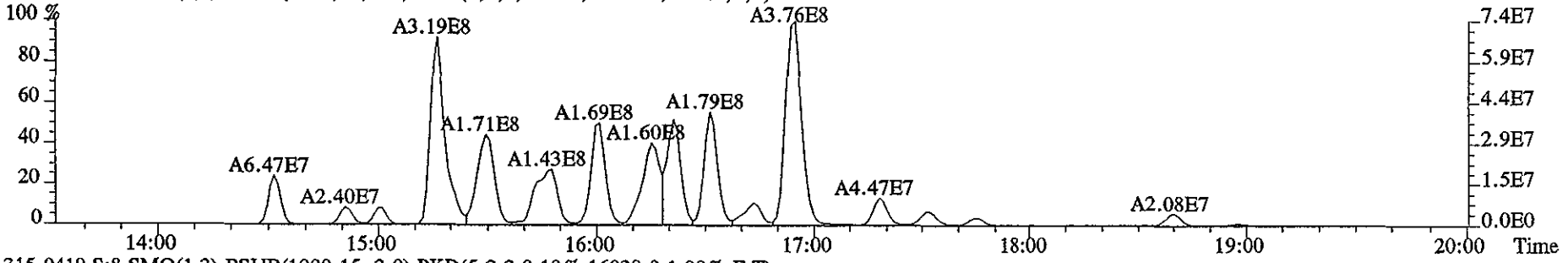
Run text: LX0PR-1-AF Sample text: LX0PR-1-AF :G0D140543-10MS
Run #9 Filename: 29AP101D5 S: 8 I: 1 Results: 29AP101D58290
Acquired: 29-APR-10 14:43:11 Processed: 29-APR-10 22:38:45
Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.02 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	244497000	0.83	y	17:23	-	7.833	-	-	n
13C-2,3,7,8-TCDF	366442000	0.81	y	16:53	1.57	95.513	0.117	47.9	n
2,3,7,8-TCDF	665005000	0.77	y	16:55	0.86	421.259	0.538	-	n
Total TCDF	3443929800	0.77	y	14:32	0.86	~~2181.617~~	0.538	-	n
13C-2,3,7,8-TCDD	265856000	0.81	y	17:34	0.99	109.249	0.158	54.7	n
2,3,7,8-TCDD	34053000	0.76	y	17:35	0.93	27.379	0.187	-	n
Total TCDD	263289452	0.75	y	15:25	0.93	~~211.691~~	0.187	-	n
37Cl-2,3,7,8-TCDD	332388000	1.00	y	17:35	2.22	61.168	0.102	76.6	n
13C-1,2,3,7,8-PeCDF	304015000	1.61	y	21:45	1.07	115.668	0.181	57.9	n
1,2,3,7,8-PeCDF	629266000	1.60	y	21:46	1.00	413.111	1.458	-	n
2,3,4,7,8-PeCDF	402688000	1.60	y	23:04	0.94	281.682	1.554	-	n
Total F2 PeCDF	3443333310	1.61	y	20:16	0.97	~~2328.065~~	1.504	-	n
Total F1 PeCDF	209038496	1.17	n	15:44	0.97	~~141.586~~	0.191	-	n
13C-1,2,3,7,8-PeCDD	193385500	1.64	y	23:46	0.67	118.461	0.132	59.3	n
1,2,3,7,8-PeCDD	117955700	1.64	y	23:47	0.93	131.029	0.584	-	n
Total PeCDD	304344714	1.64	y	20:39	0.93	~~338.075~~	0.584	-	n
13C-1,2,3,7,8,9-HxCDD	191754600	1.29	y	31:57	-	6.977	-	-	n
13C-1,2,3,4,7,8-HxCDF	210702600	0.51	y	29:57	0.89	122.827	0.634	61.5	n
1,2,3,4,7,8-HxCDF	1115889000	1.26	y	29:59	1.20	881.596	10.360	-	n
1,2,3,6,7,8-HxCDF	742558000	1.28	y	30:13	1.37	513.000	9.060	-	n
2,3,4,6,7,8-HxCDF	276517000	1.27	y	31:13	1.24	210.900	10.002	-	n
1,2,3,7,8,9-HxCDF	353997000	1.25	y	32:10	1.33	252.879	9.368	-	n
Total HxCDF	4717998700	1.26	y	27:12	1.28	3502.136	9.670	-	n
13C-1,2,3,6,7,8-HxCDD	181696100	1.26	y	31:33	0.73	129.172	0.132	64.7	n
1,2,3,4,7,8-HxCDD	96787300	1.28	y	31:27	0.97	109.617	0.251	-	n
1,2,3,6,7,8-HxCDD	136780700	1.29	y	31:34	1.06	141.974	0.230	-	n
1,2,3,7,8,9-HxCDD	142703200	1.26	y	31:57	1.28	122.928	0.191	-	n
Total HxCDD	497174170	1.20	y	28:43	1.10	~~495.131~~	0.221	-	n
13C-1,2,3,4,6,7,8-HpCDF	191614300	0.44	y	33:48	0.86	115.945	0.770	58.1	n
1,2,3,4,6,7,8-HpCDF	2086480000	1.04	y	33:49	1.29	1689.284	0.350	-	n
1,2,3,4,7,8,9-HpCDF	733831000	1.05	y	35:00	1.14	673.275	0.397	-	n
Total HpCDF	3946355550	1.04	y	33:49	1.21	~~3331.~~171	0.372	-	n
13C-1,2,3,4,6,7,8-HpCDD	159716200	1.09	y	34:41	0.75	110.514	0.678	55.4	n
1,2,3,4,6,7,8-HpCDD	168931300	1.04	y	34:42	1.00	211.577	0.301	-	n
Total HpCDD	212350970	2.26	n	33:40	1.00	~~265.9~~58	0.301	-	n
13C-OCDD	205163400	0.94	y	37:17	0.56	189.182	0.657	47.4	n
OCDF	3023140000	0.89	y	37:23	1.44	4092.546	1.182	-	n
OCDD	184841000	0.89	y	37:17	1.11	324.152	0.593	-	n

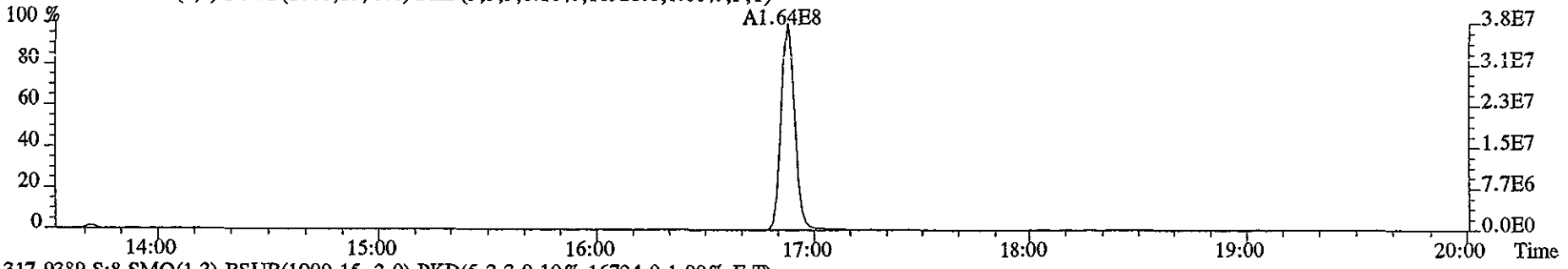
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32860.0,1.00%,F,T)



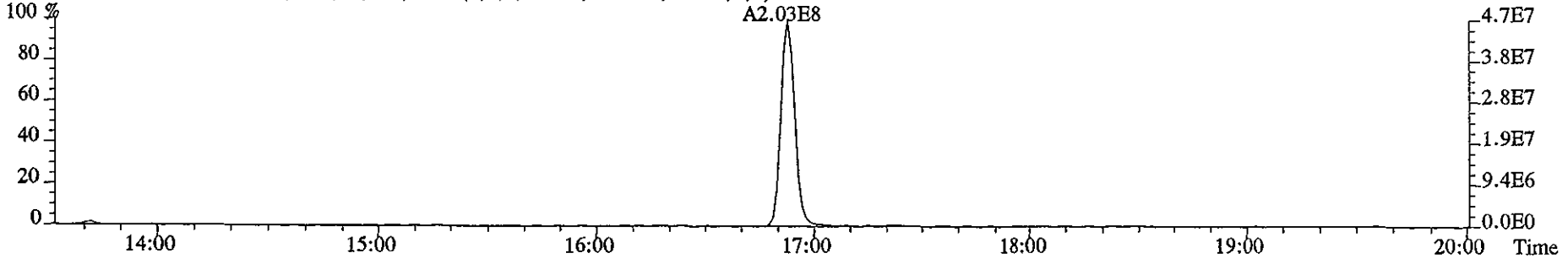
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33228.0,1.00%,F,T)



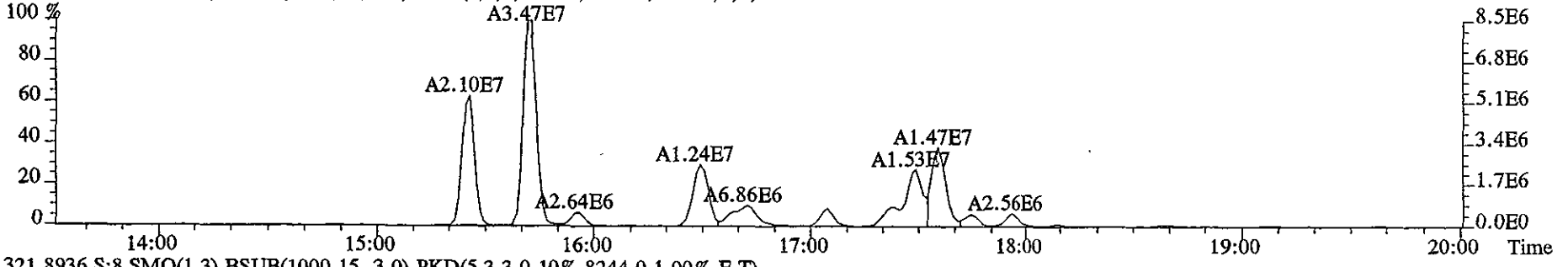
315.9419 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16928.0,1.00%,F,T)



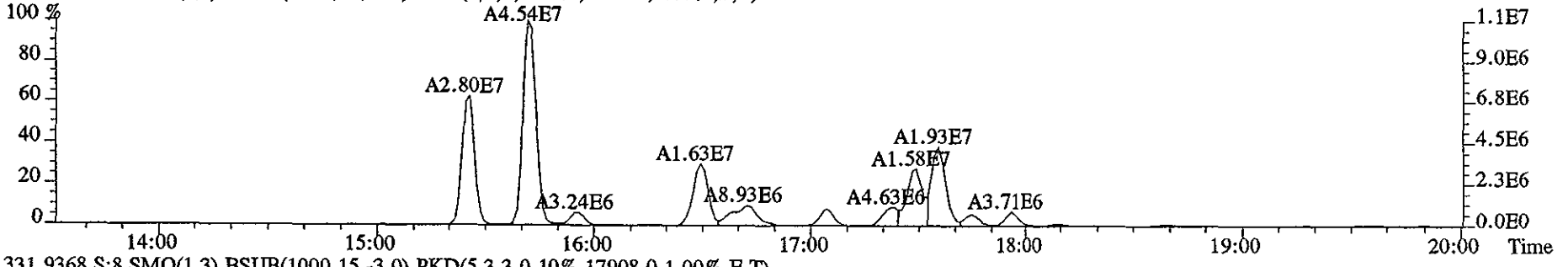
317.9389 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16724.0,1.00%,F,T)



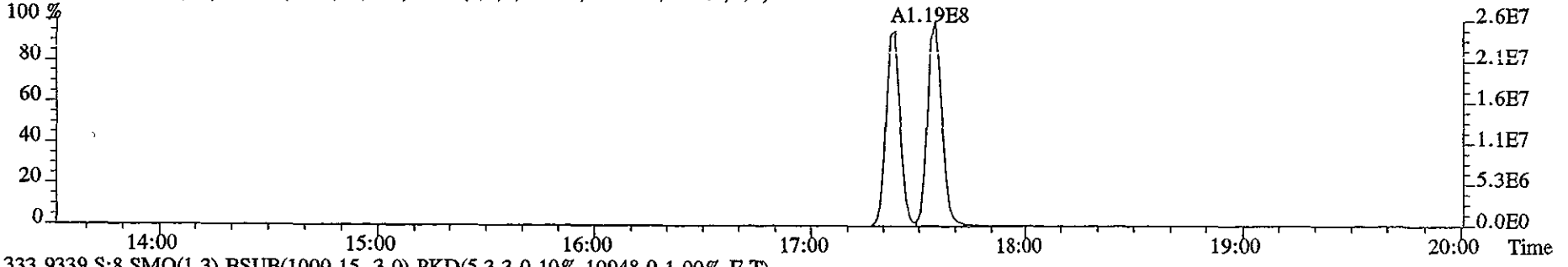
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8824.0,1.00%,F,T)



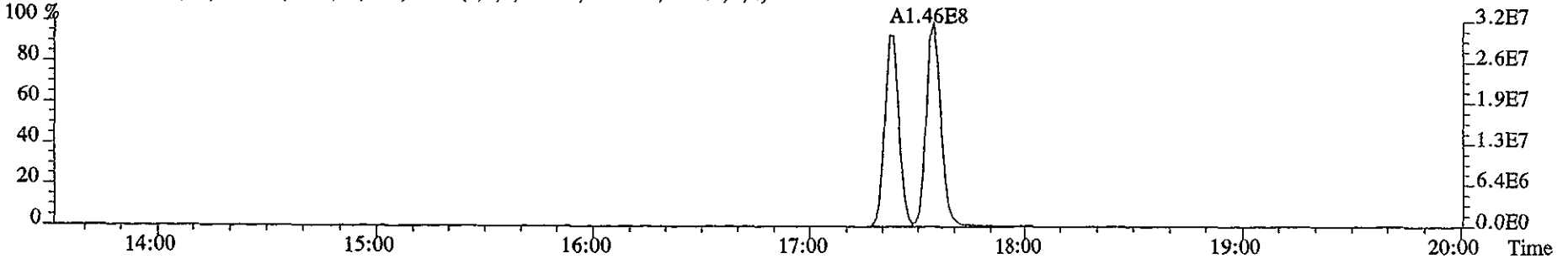
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8244.0,1.00%,F,T)



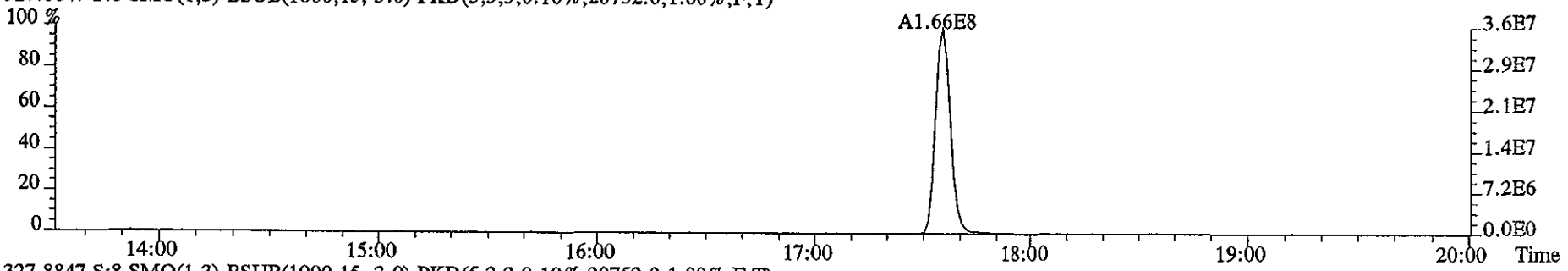
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17908.0,1.00%,F,T)



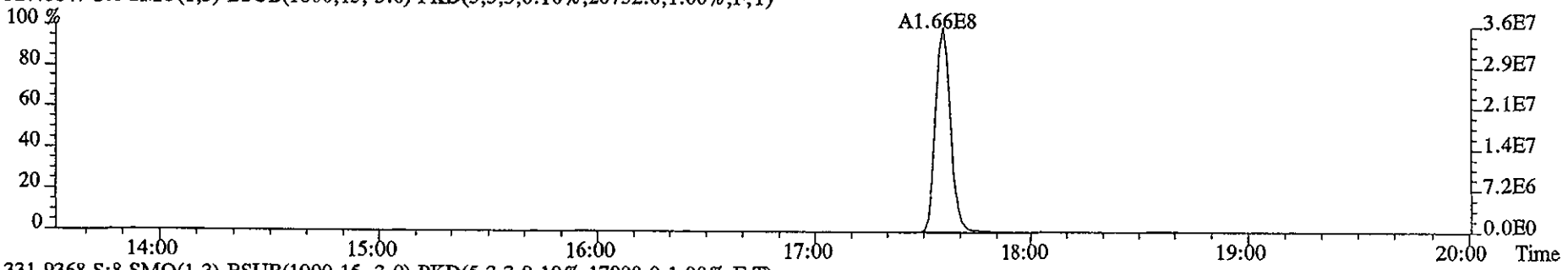
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10948.0,1.00%,F,T)



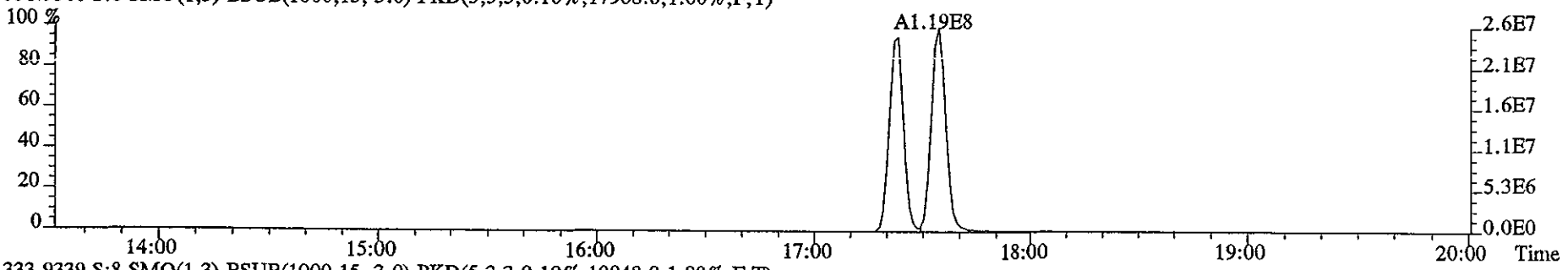
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20752.0,1.00%,F,T)



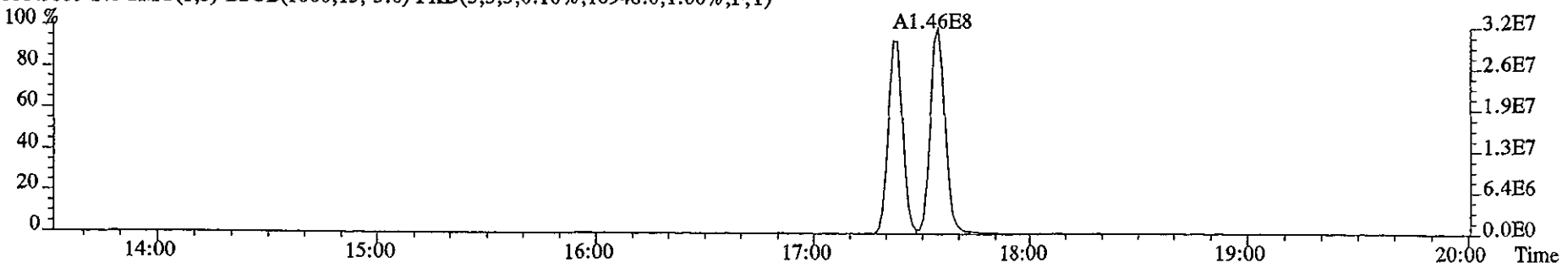
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20752.0,1.00%,F,T)



331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17908.0,1.00%,F,T)

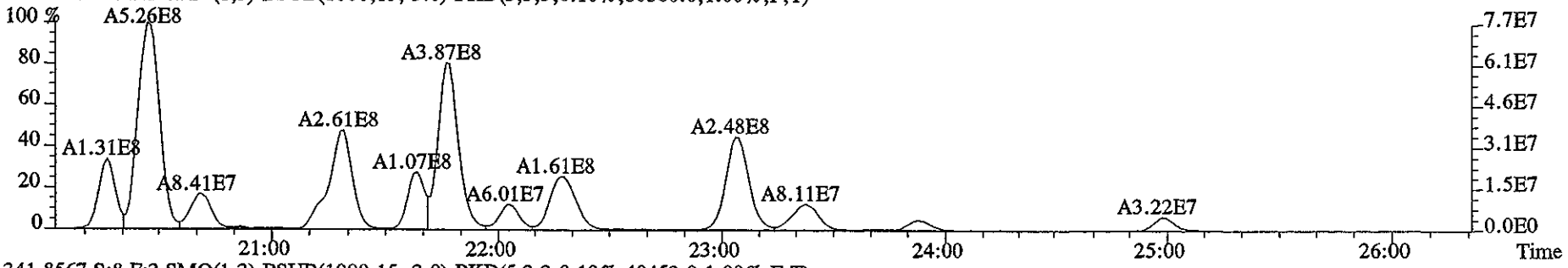


333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10948.0,1.00%,F,T)

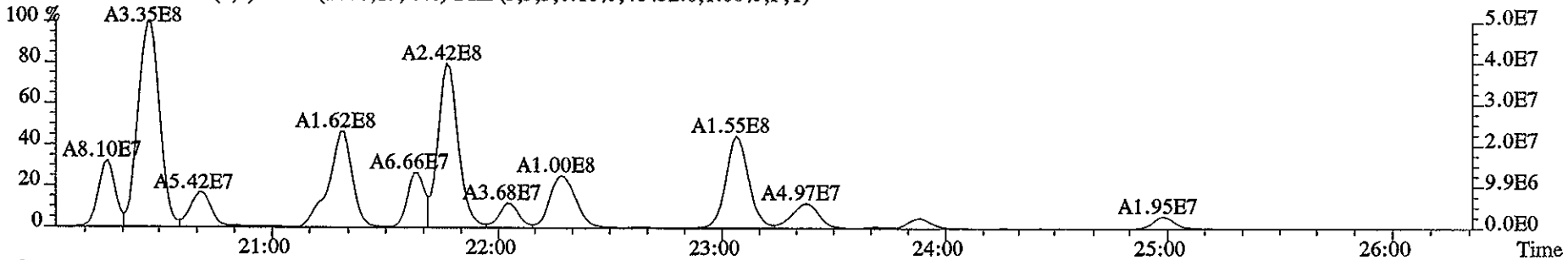


File:29AP101D5 #1-445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES

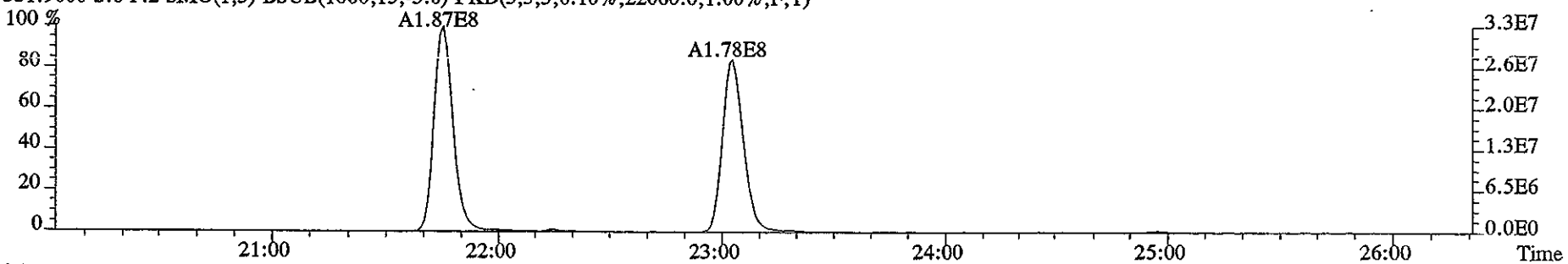
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80580.0,1.00%,F,T)



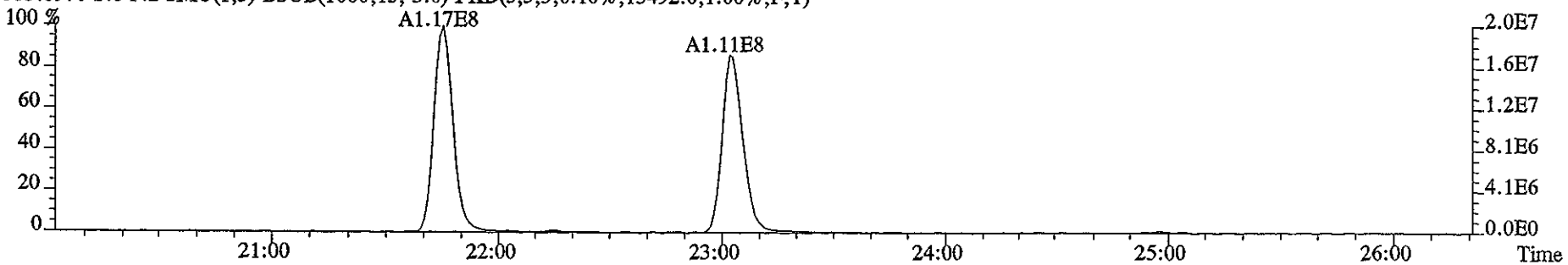
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48452.0,1.00%,F,T)



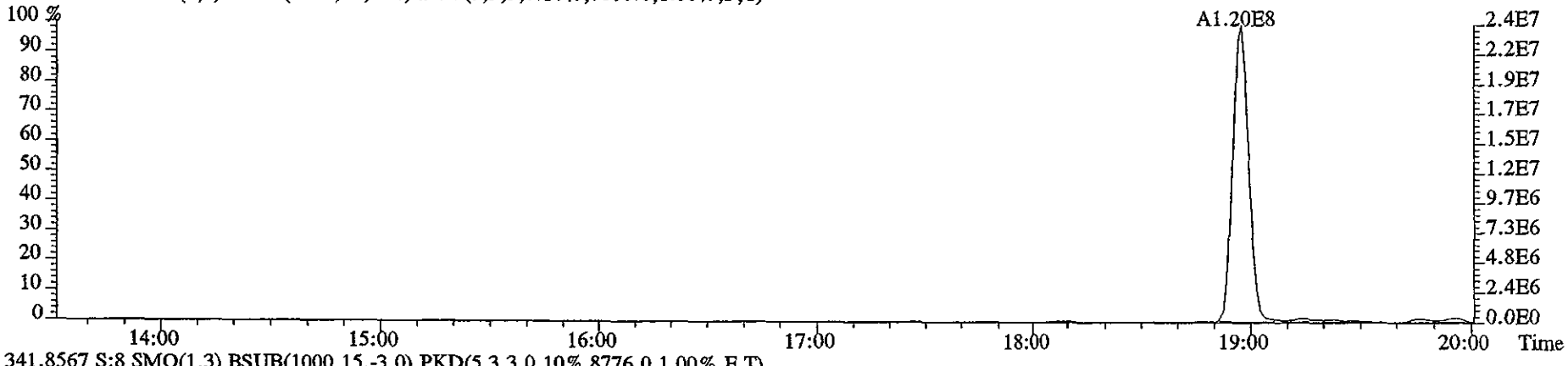
351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22060.0,1.00%,F,T)



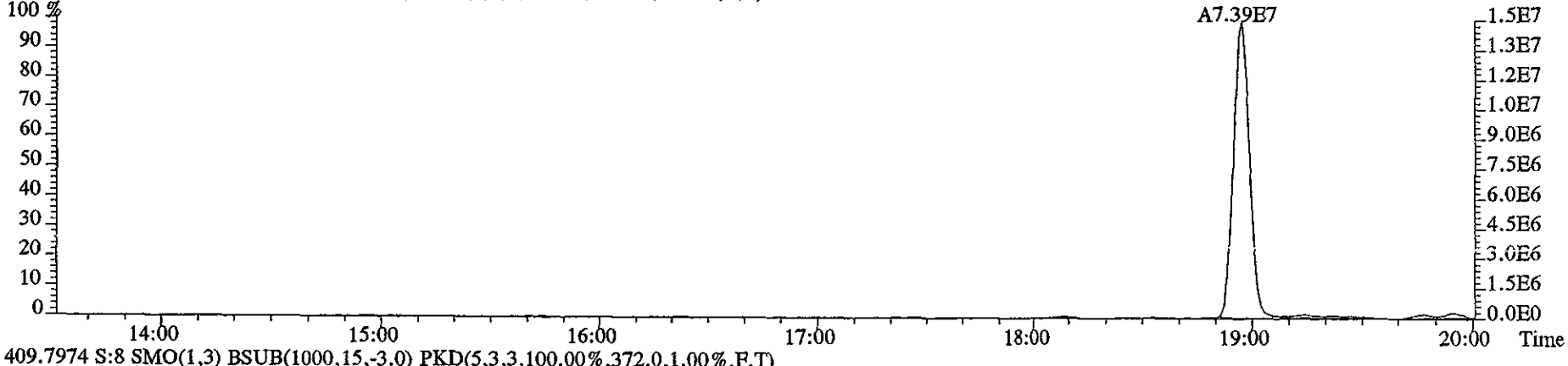
353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13492.0,1.00%,F,T)



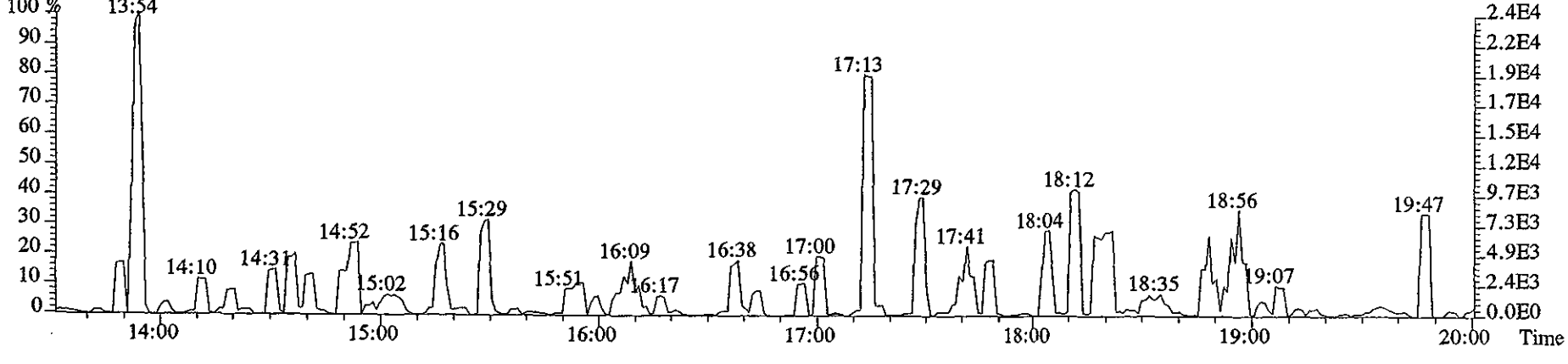
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7600.0,1.00%,F,T)



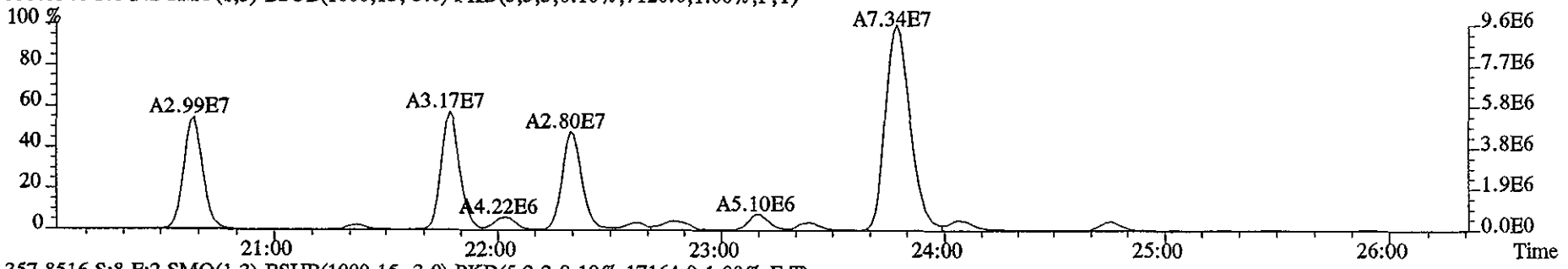
341.8567 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8776.0,1.00%,F,T)



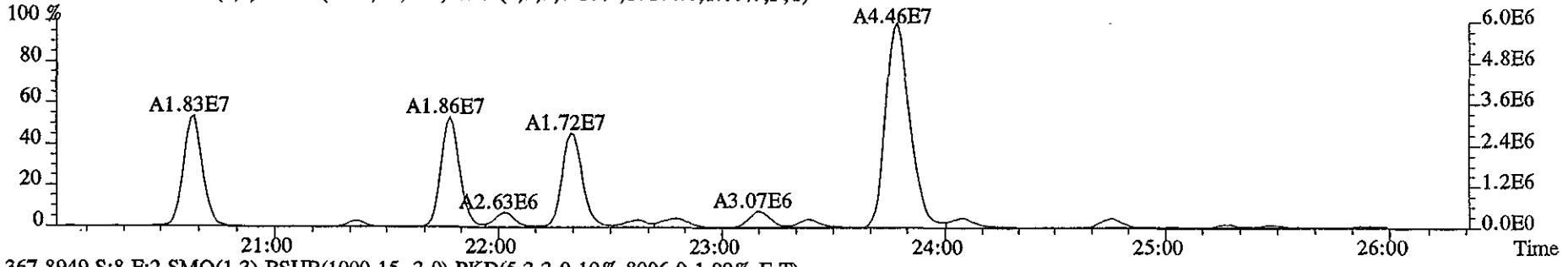
409.7974 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,372.0,1.00%,F,T)



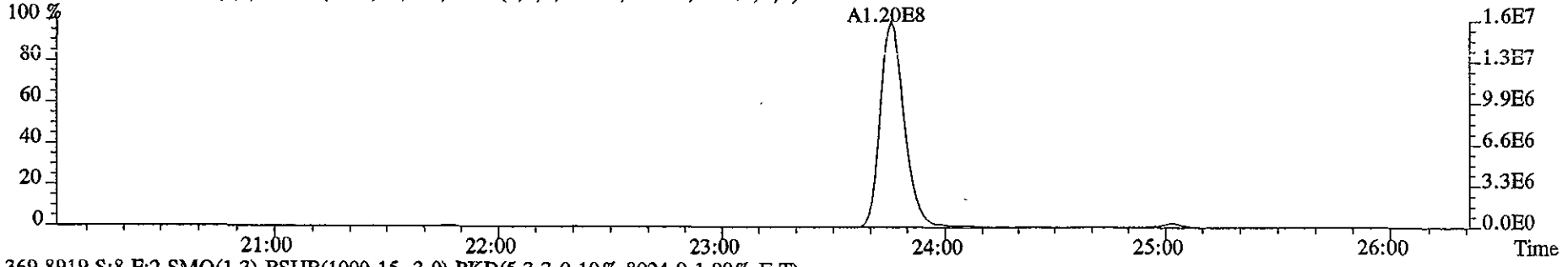
File:29AP101D5 #1-445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7120.0,1.00%,F,T)



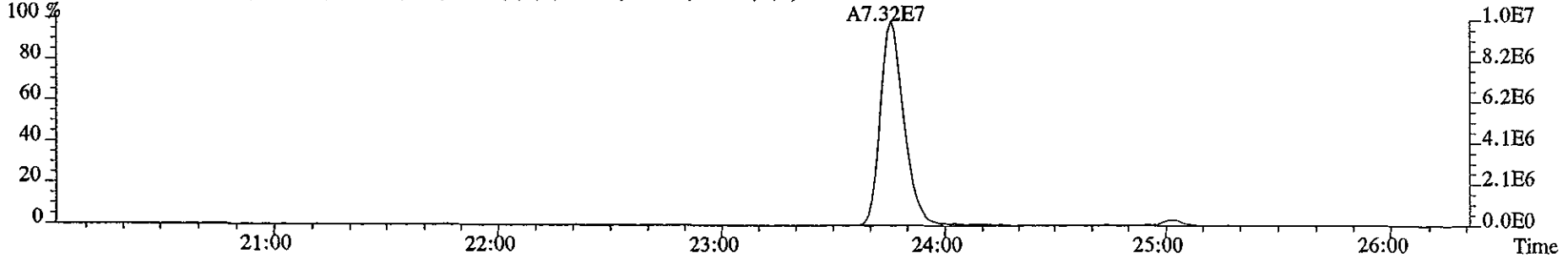
357.8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17164.0,1.00%,F,T)



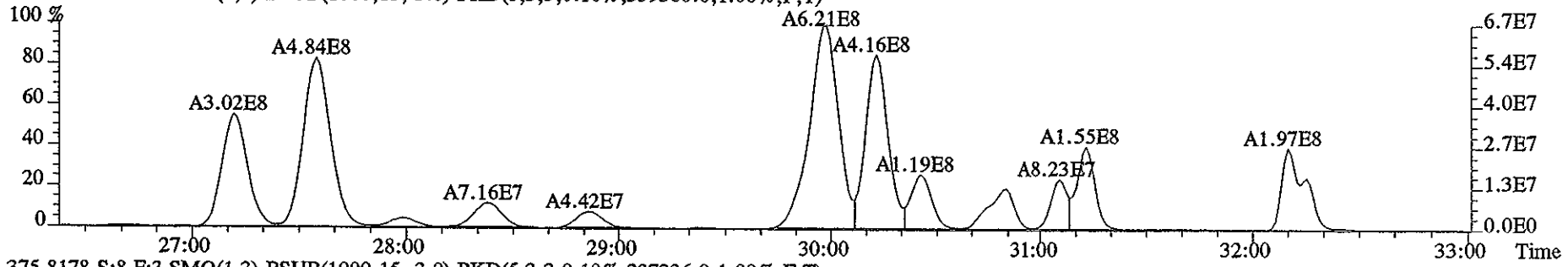
367.8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8096.0,1.00%,F,T)



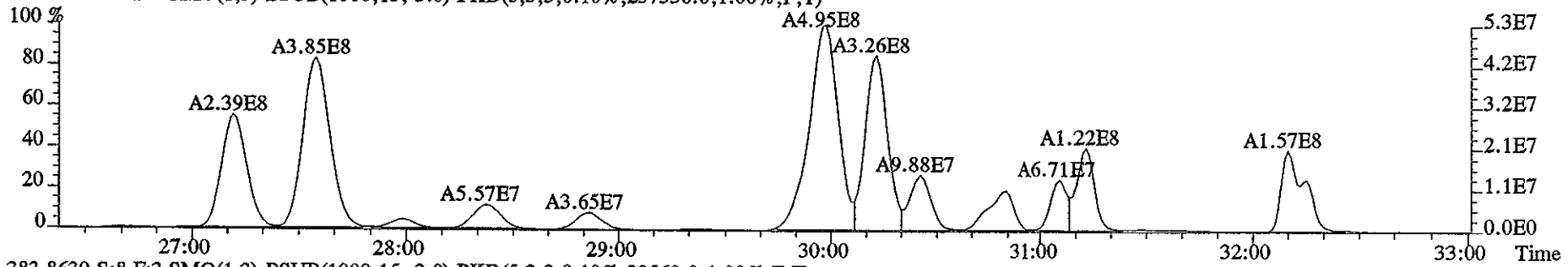
369.8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8024.0,1.00%,F,T)



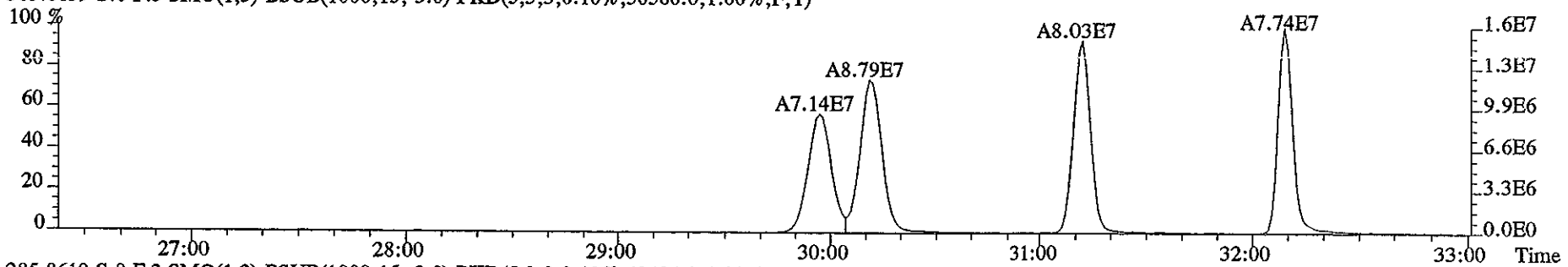
File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)



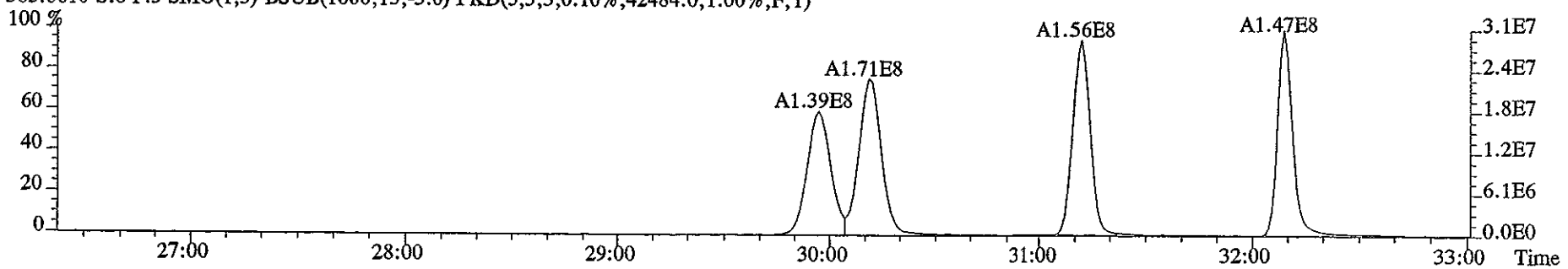
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,237336.0,1.00%,F,T)



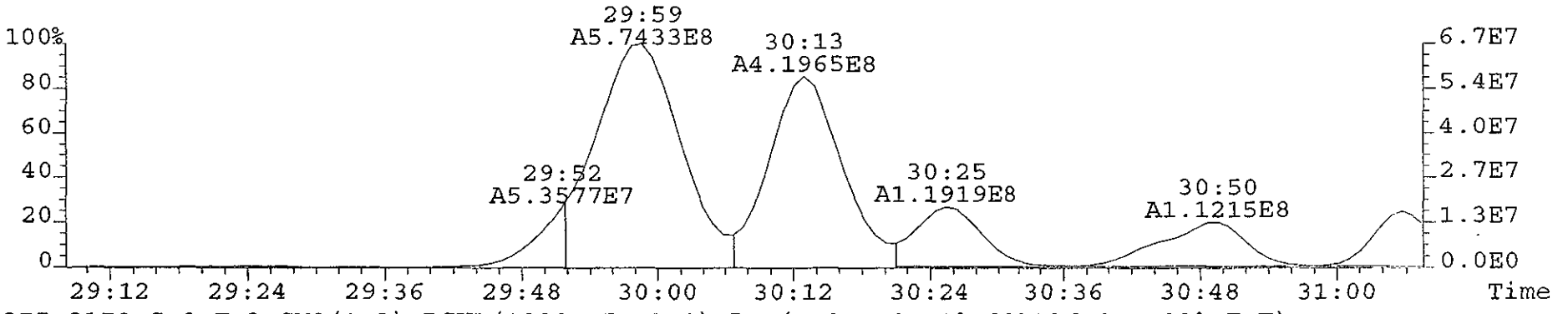
383.8639 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30560.0,1.00%,F,T)



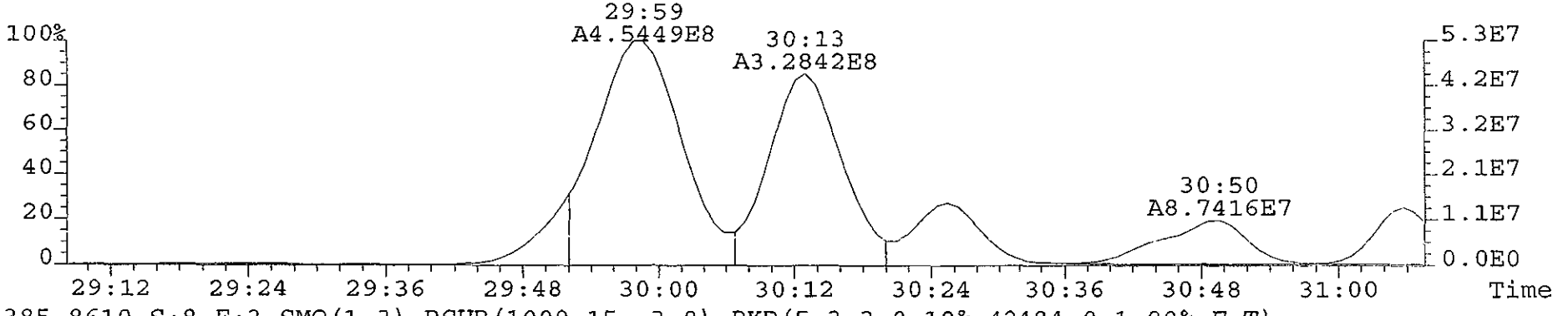
385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42484.0,1.00%,F,T)



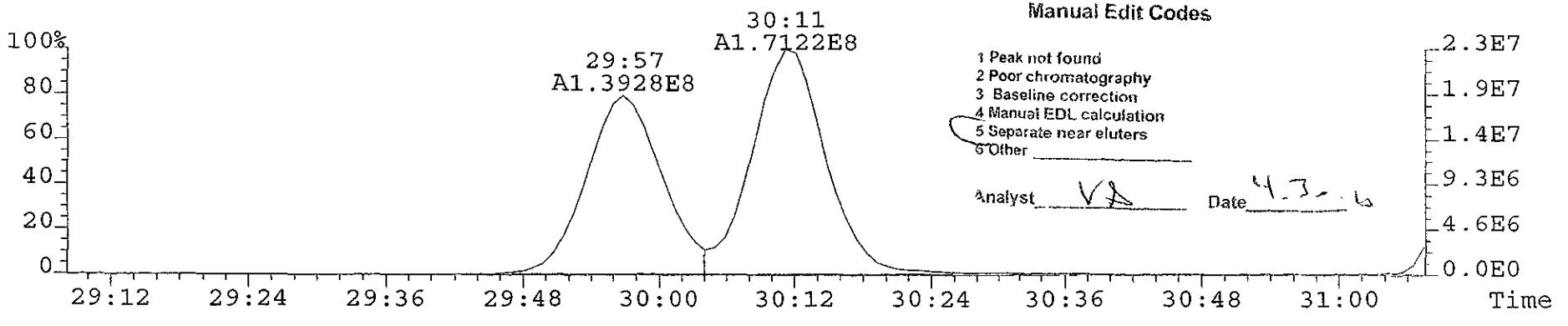
File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10 Exp:DIOXINRES
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)



375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,237336.0,1.00%,F,T)



385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42484.0,1.00%,F,T)

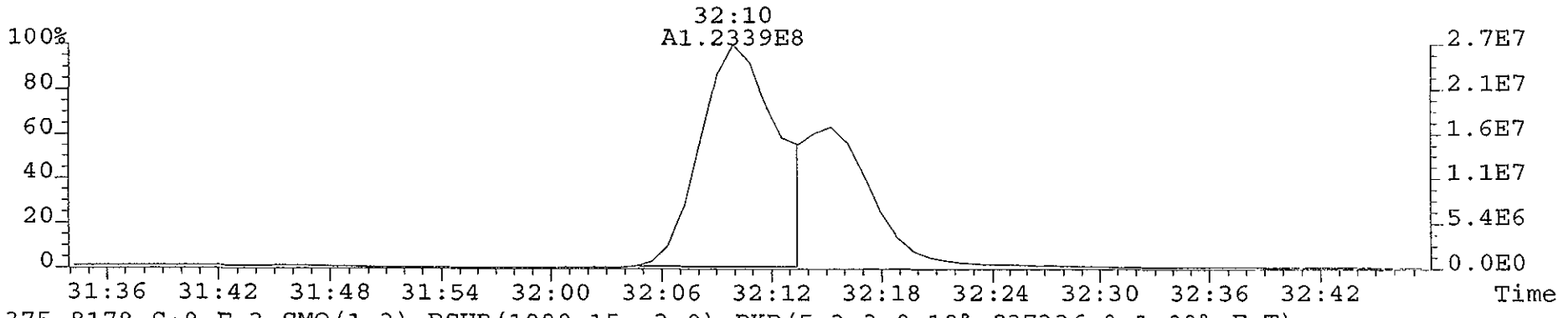


Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VA Date 4-30-10

File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10 Exp:DIOXINRES
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)

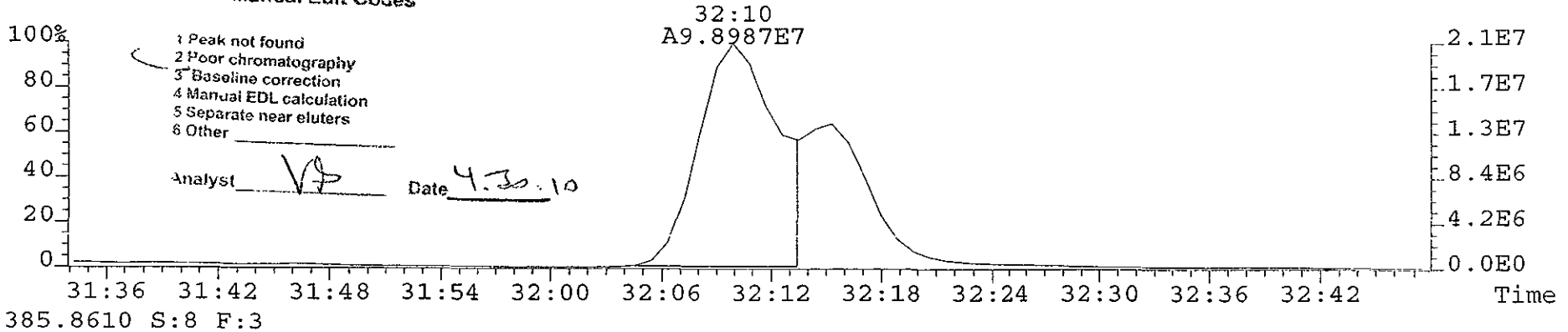


375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,237336.0,1.00%,F,T)

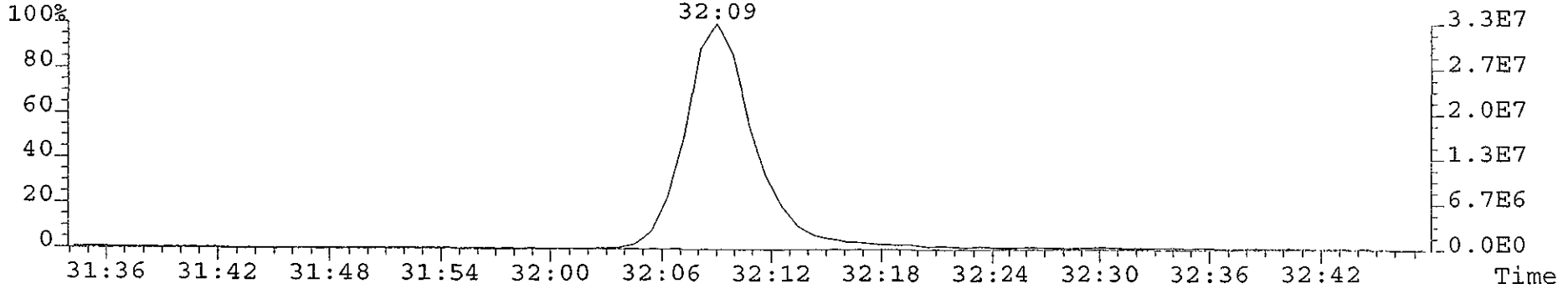
Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

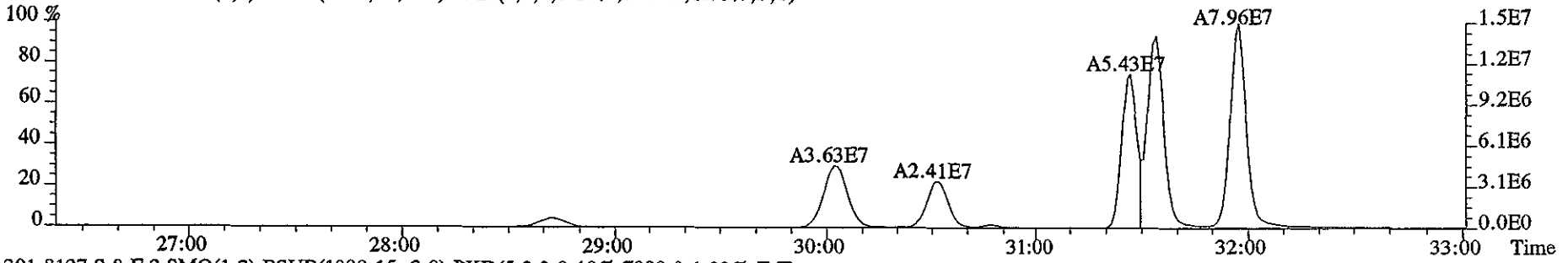
Analyst VP Date 4.30.10



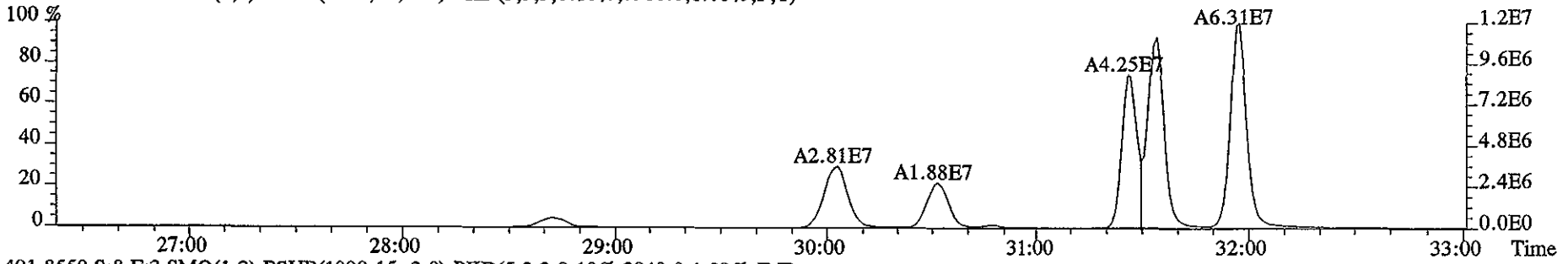
385.8610 S:8 F:3



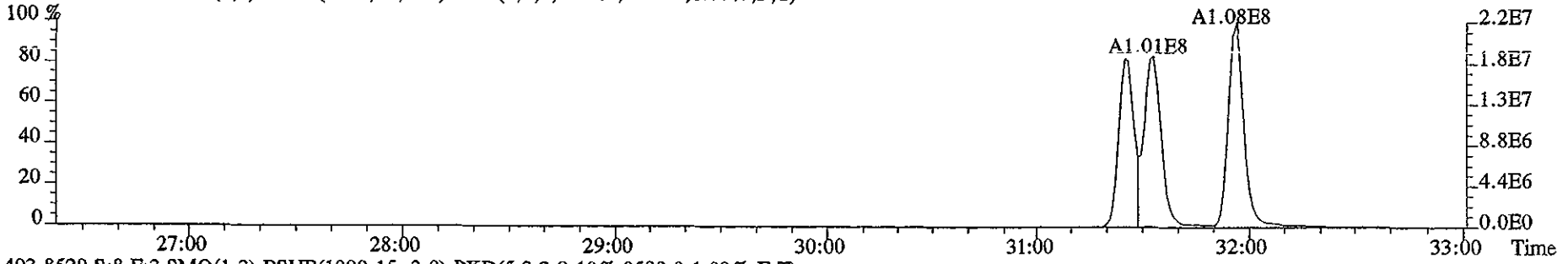
File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5600.0,1.00%,F,T)



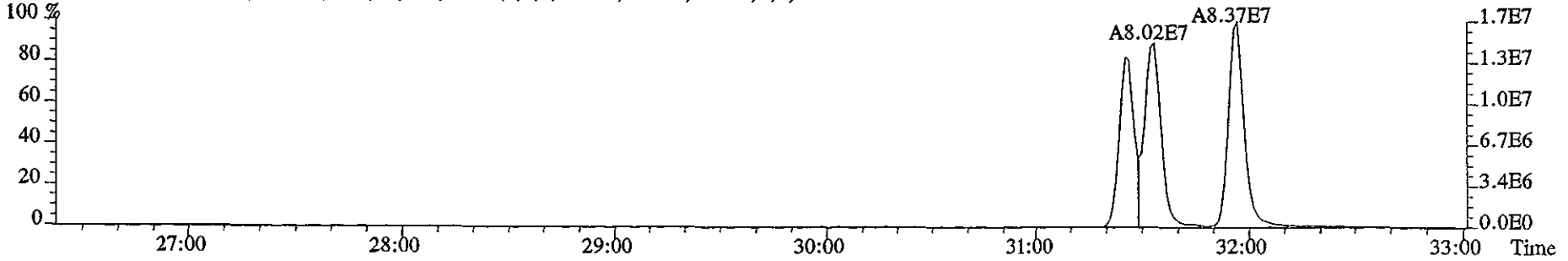
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7980.0,1.00%,F,T)



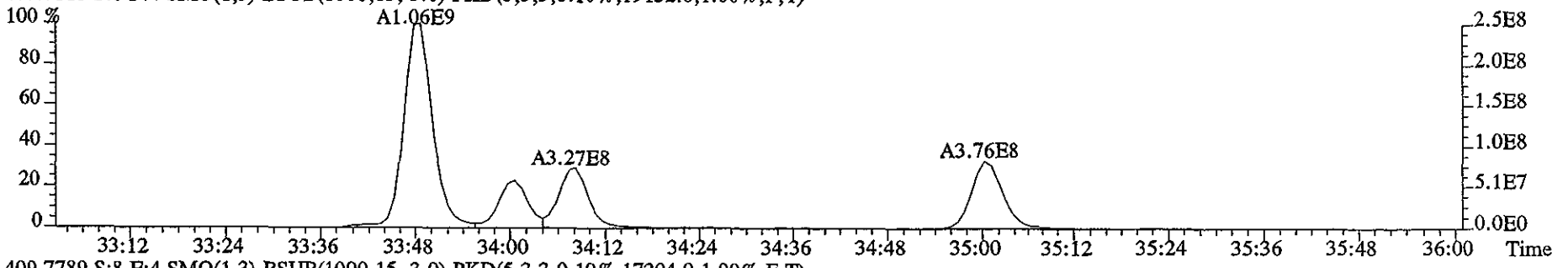
401.8559 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2848.0,1.00%,F,T)

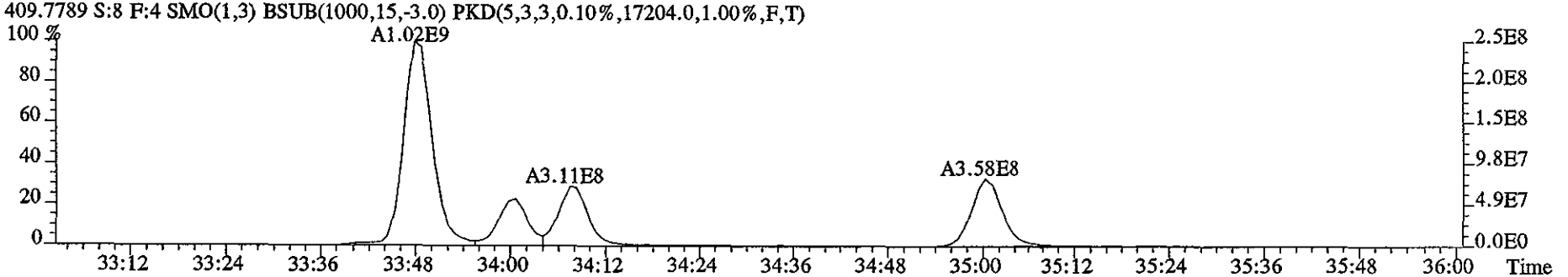


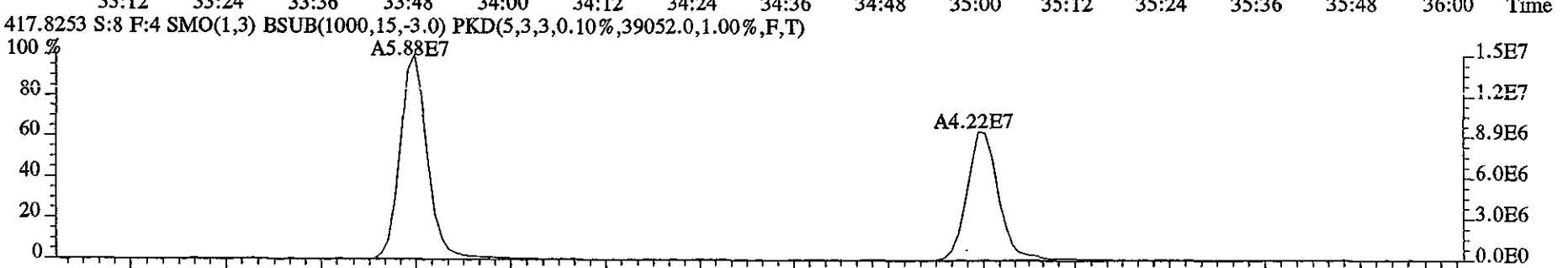
403.8529 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9588.0,1.00%,F,T)

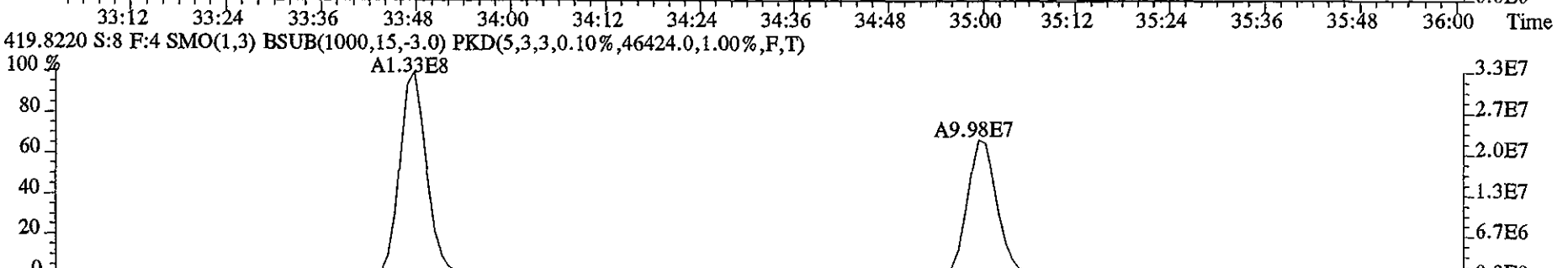


File:29AP101D5 #1-210 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES

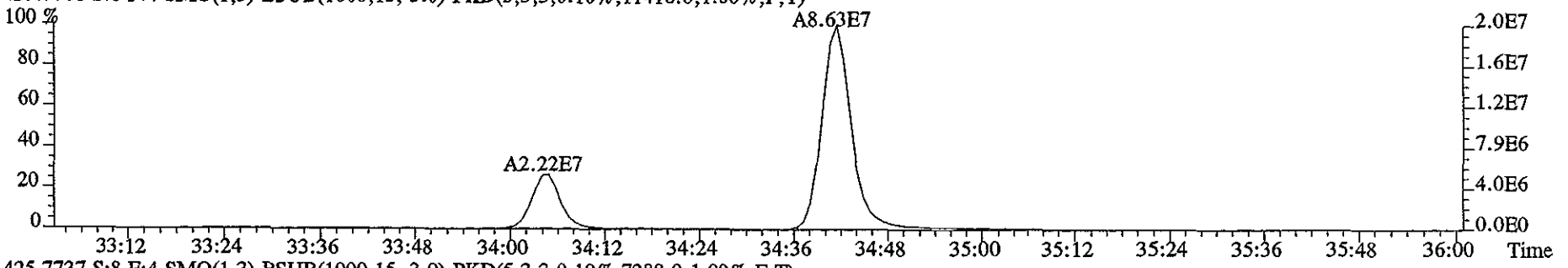




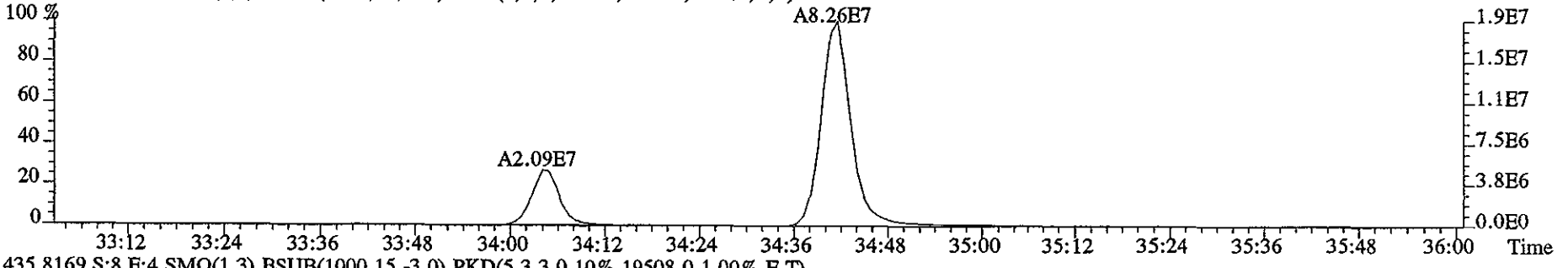




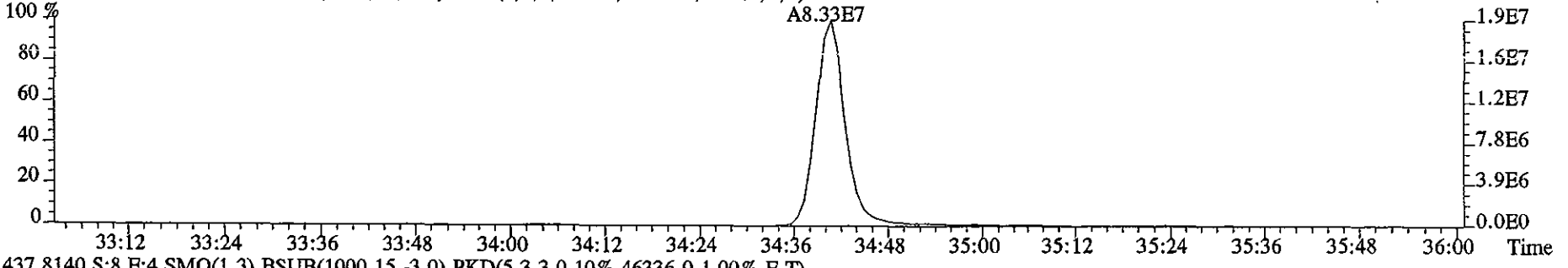
File:29AP101D5 #1-210 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11416.0,1.00%,F,T)



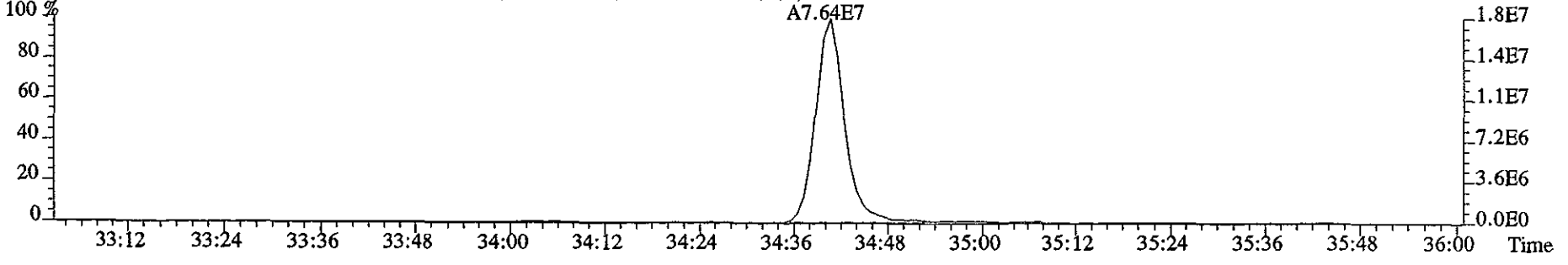
425.7737 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7288.0,1.00%,F,T)



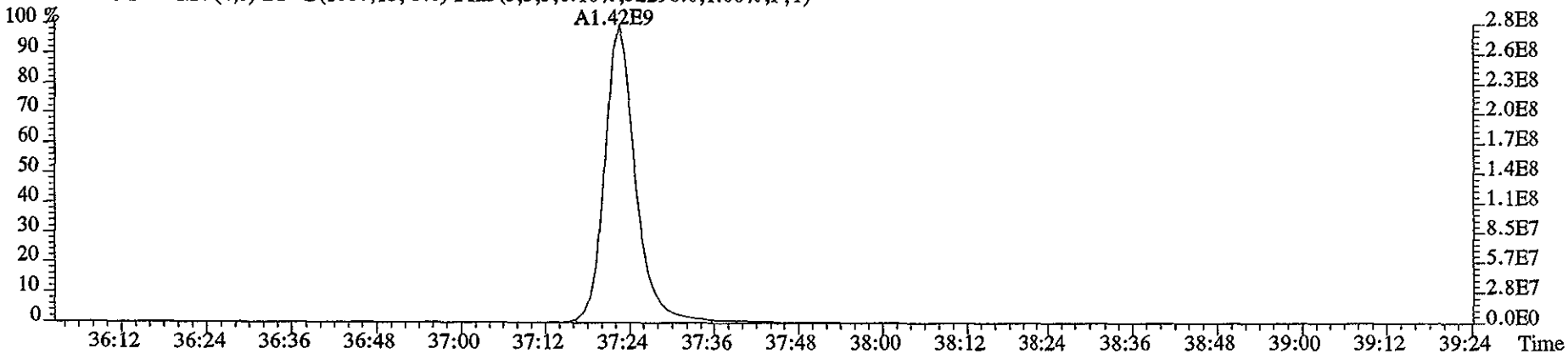
435.8169 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19508.0,1.00%,F,T)



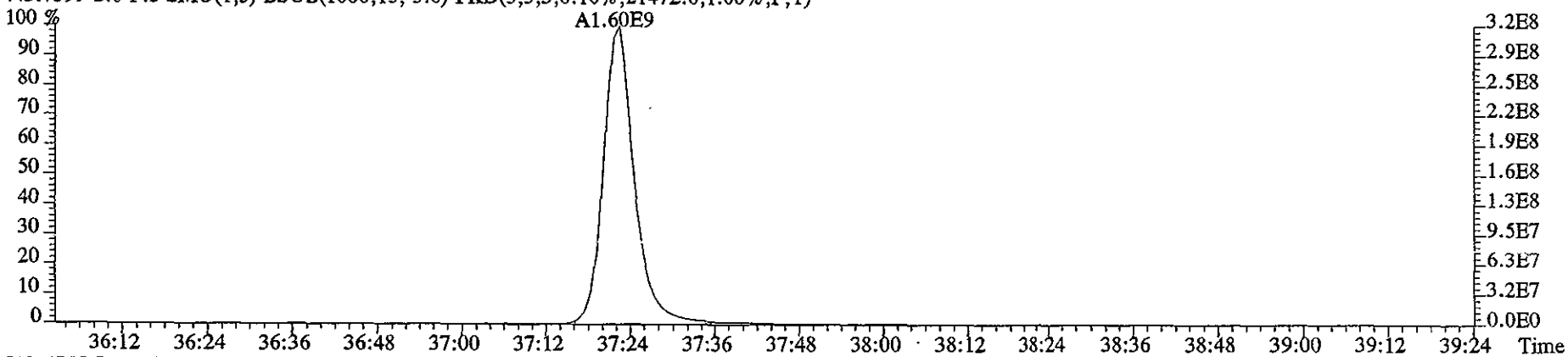
437.8140 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,46336.0,1.00%,F,T)



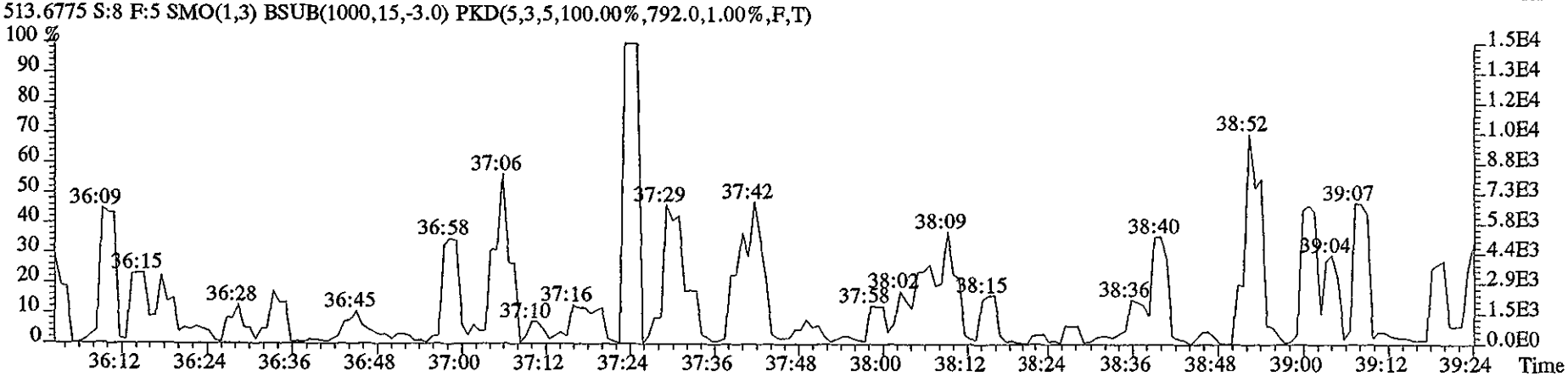
File:29AP101D5 #1-243 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32296.0,1.00%,F,T)



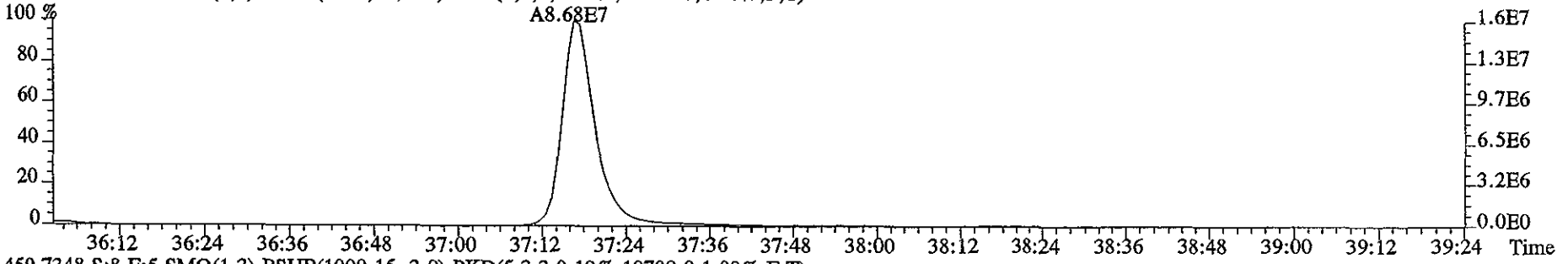
443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21472.0,1.00%,F,T)



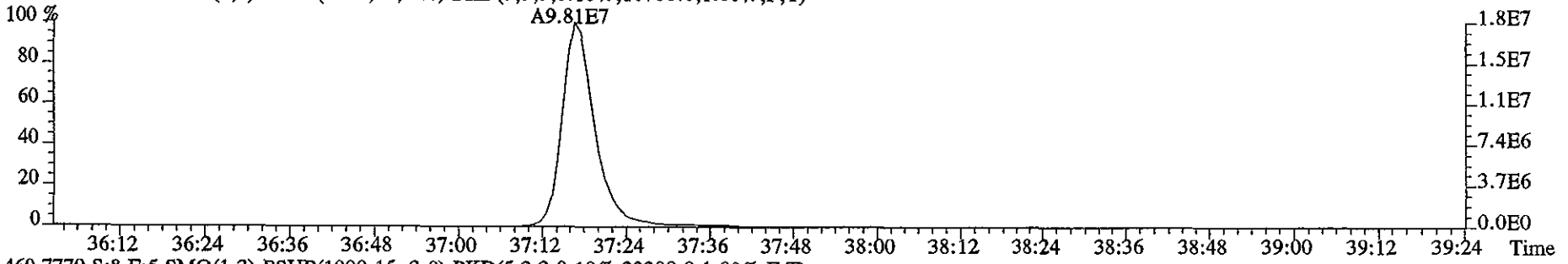
513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,792.0,1.00%,F,T)



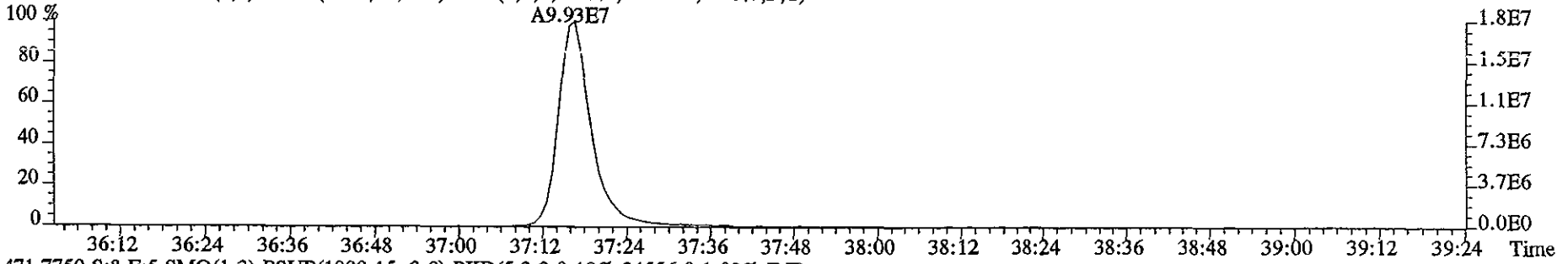
File:29AP101D5 #1-243 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10064.0,1.00%,F,T)



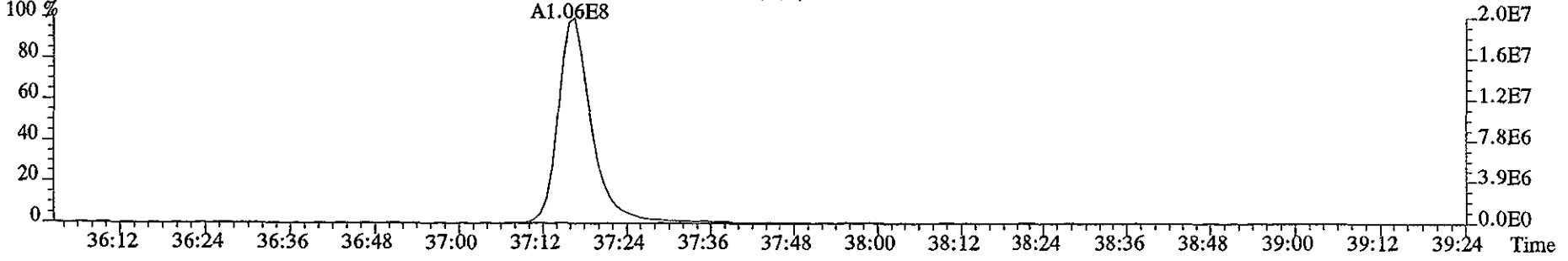
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10780.0,1.00%,F,T)



469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23308.0,1.00%,F,T)

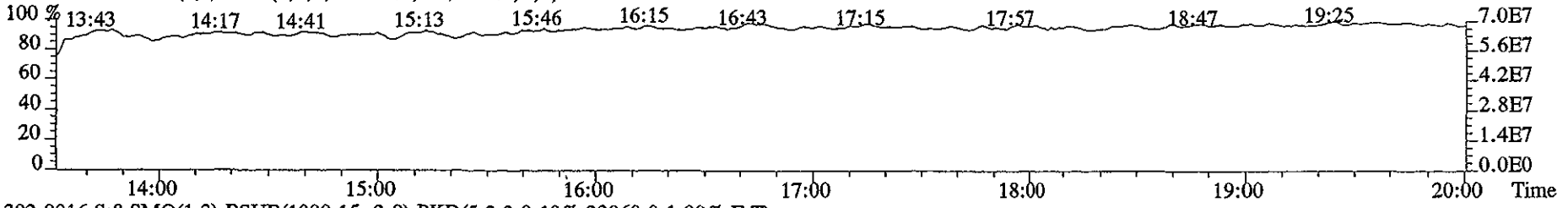


471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24556.0,1.00%,F,T)

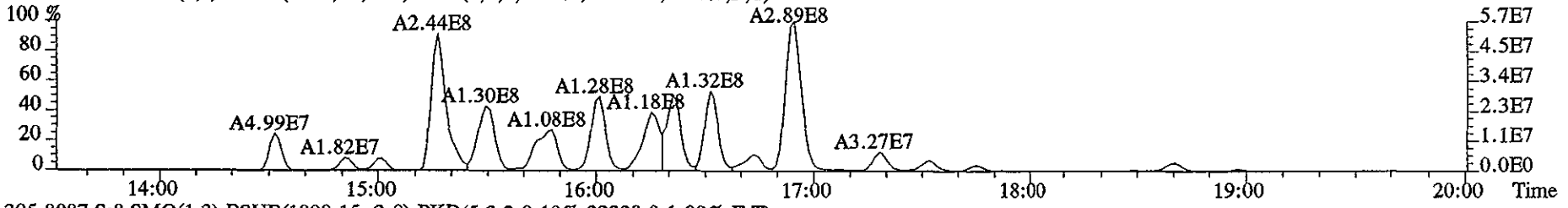


File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES

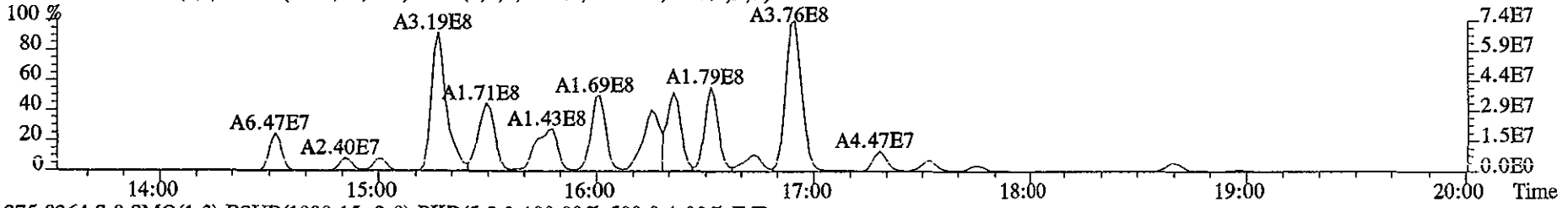
292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



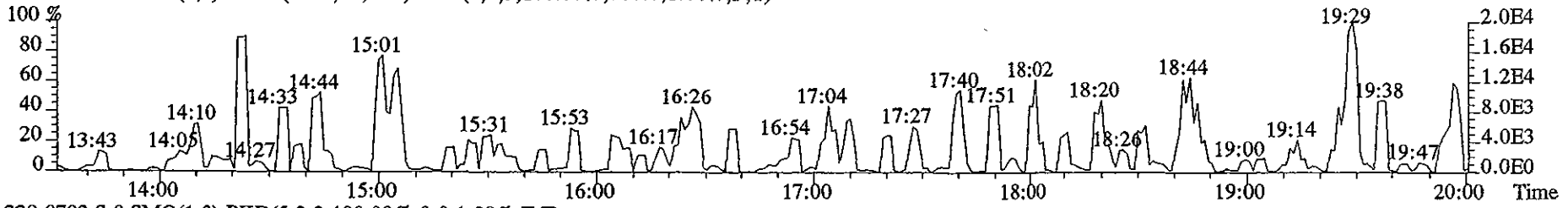
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32860.0,1.00%,F,T)



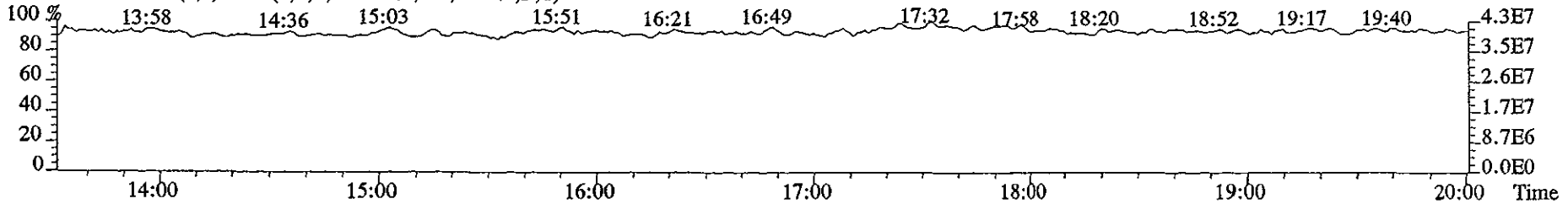
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33228.0,1.00%,F,T)



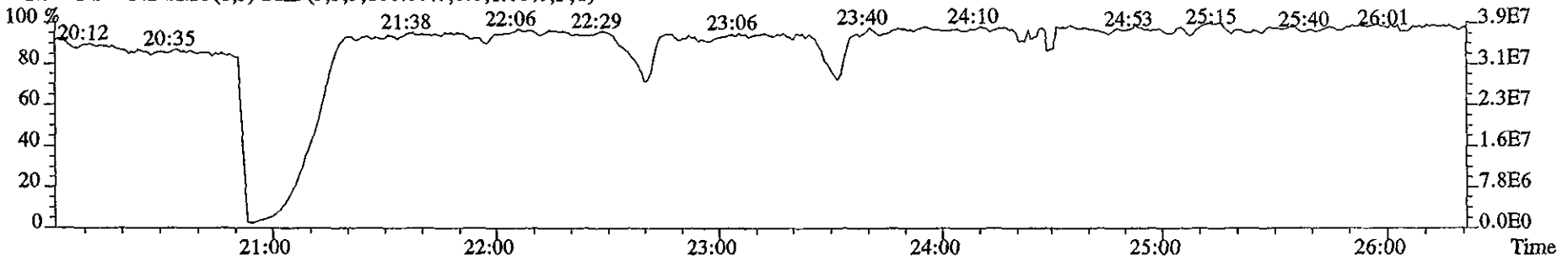
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,500.0,1.00%,F,T)



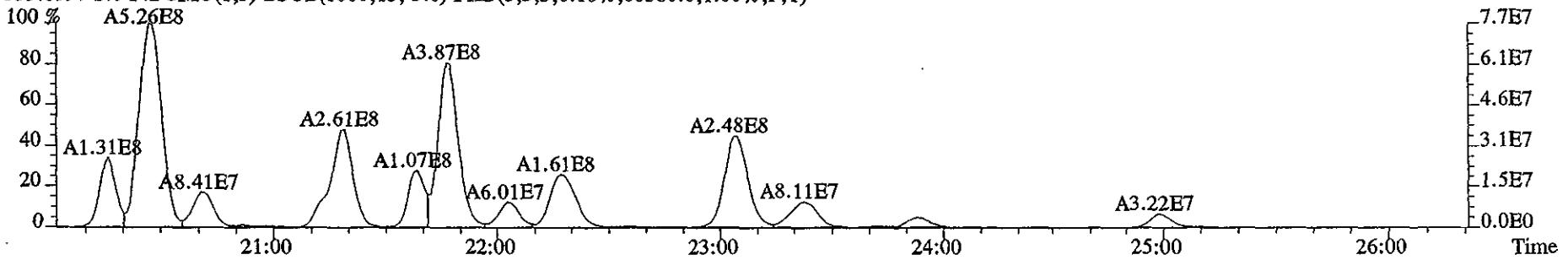
330.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



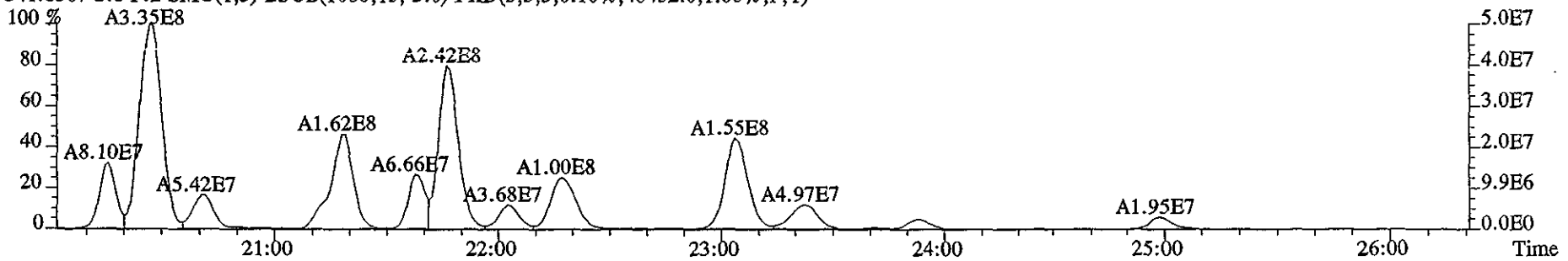
File:29AP101D5 #1-445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



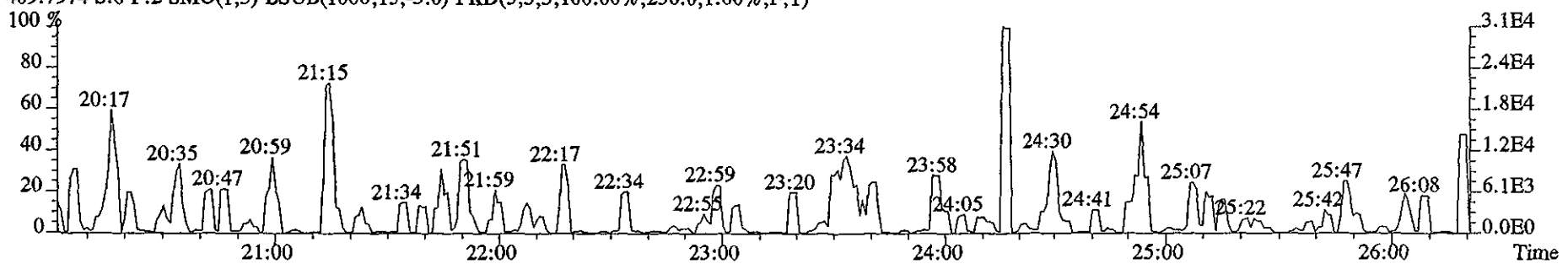
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80580.0,1.00%,F,T)



341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48452.0,1.00%,F,T)

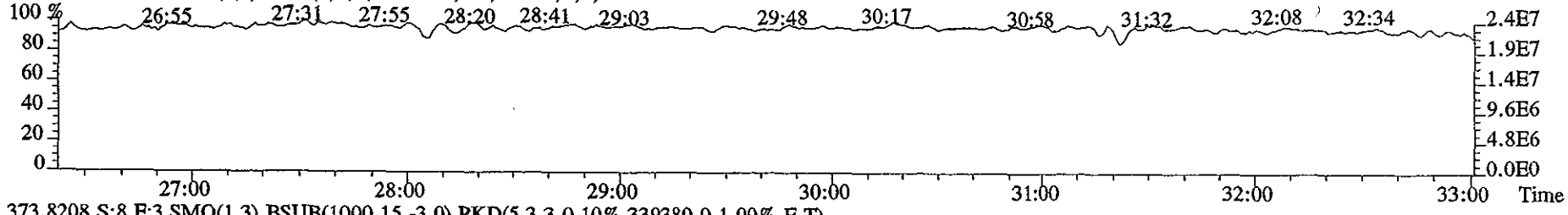


409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,256.0,1.00%,F,T)

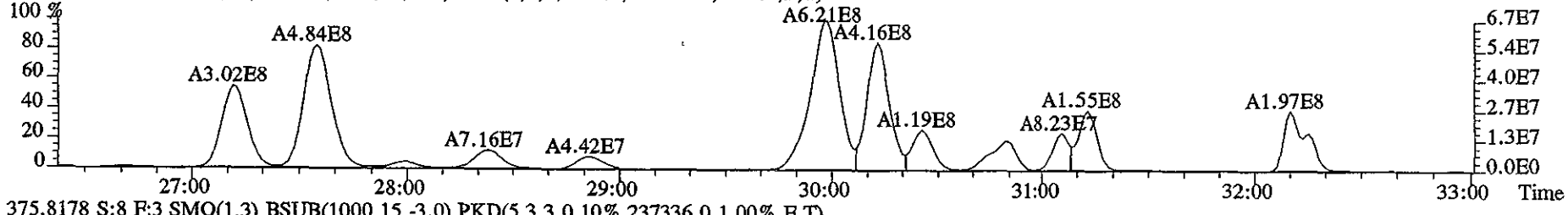


File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES

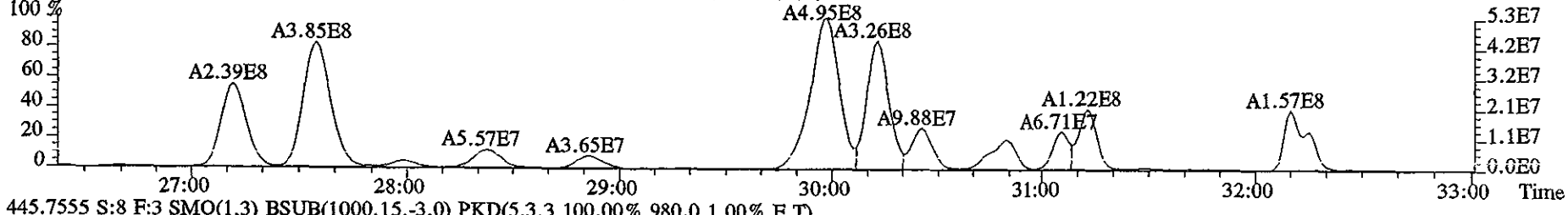
392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



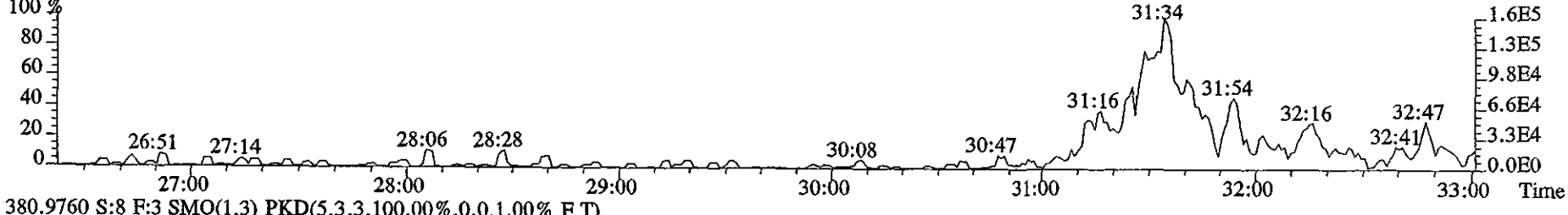
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)



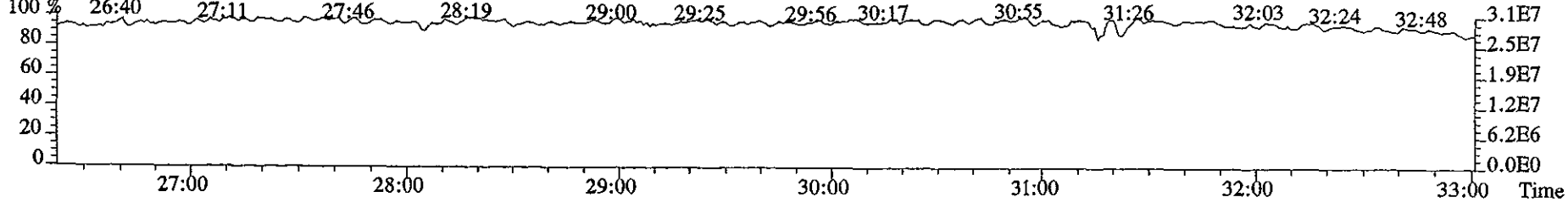
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,237336.0,1.00%,F,T)



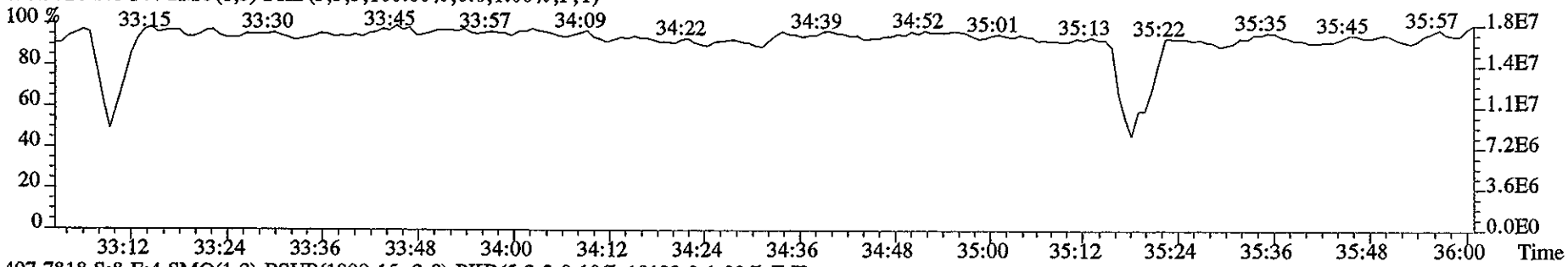
445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,980.0,1.00%,F,T)



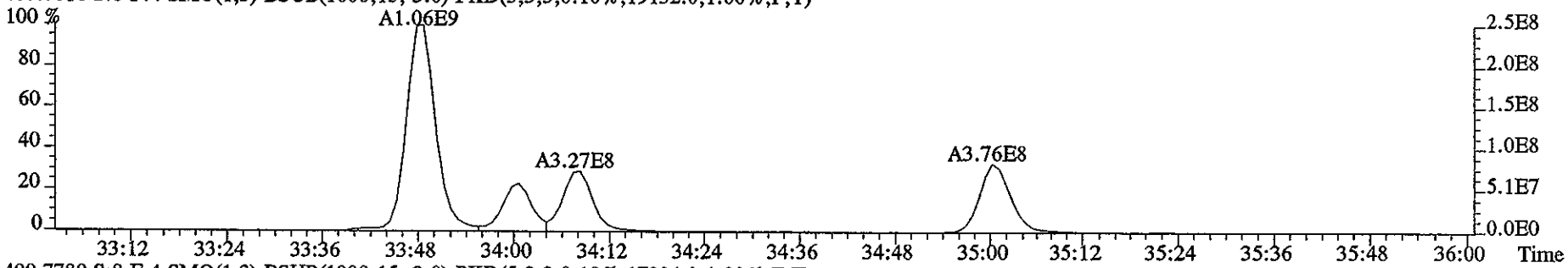
380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



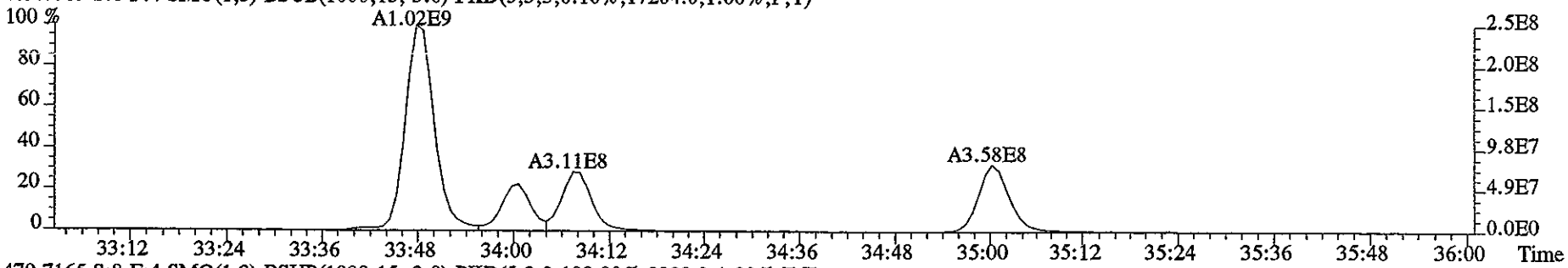
File:29AP101D5 #1-210 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



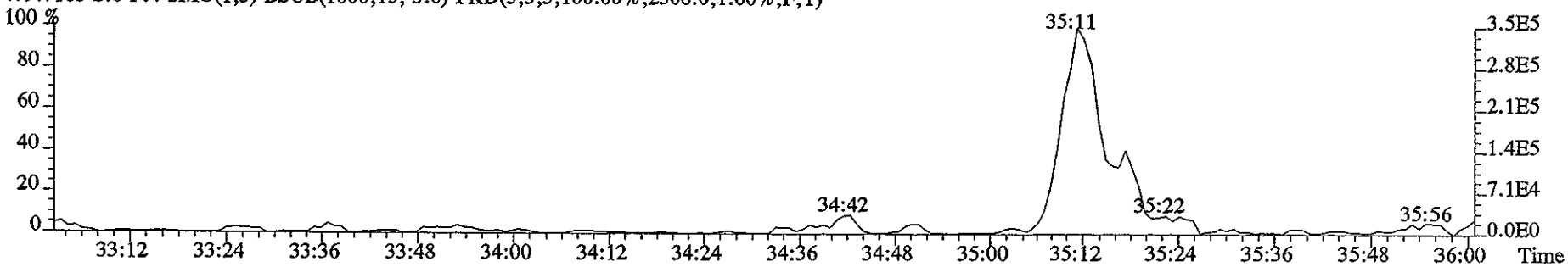
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19132.0,1.00%,F,T)



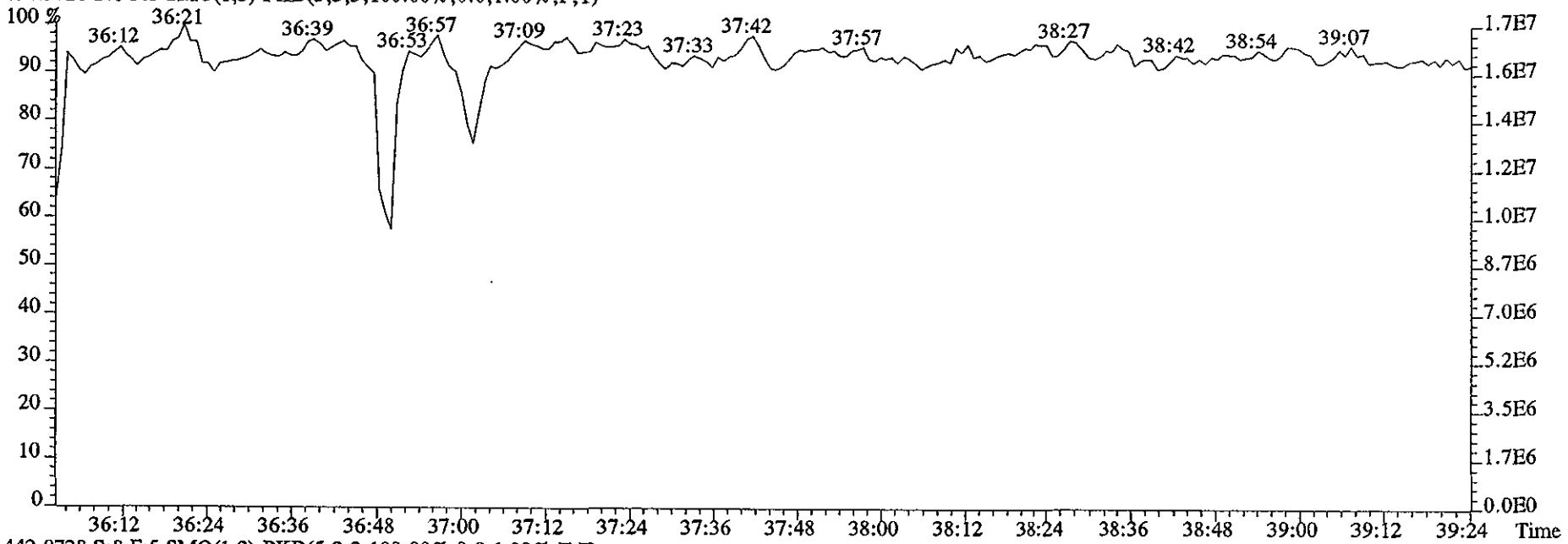
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17204.0,1.00%,F,T)



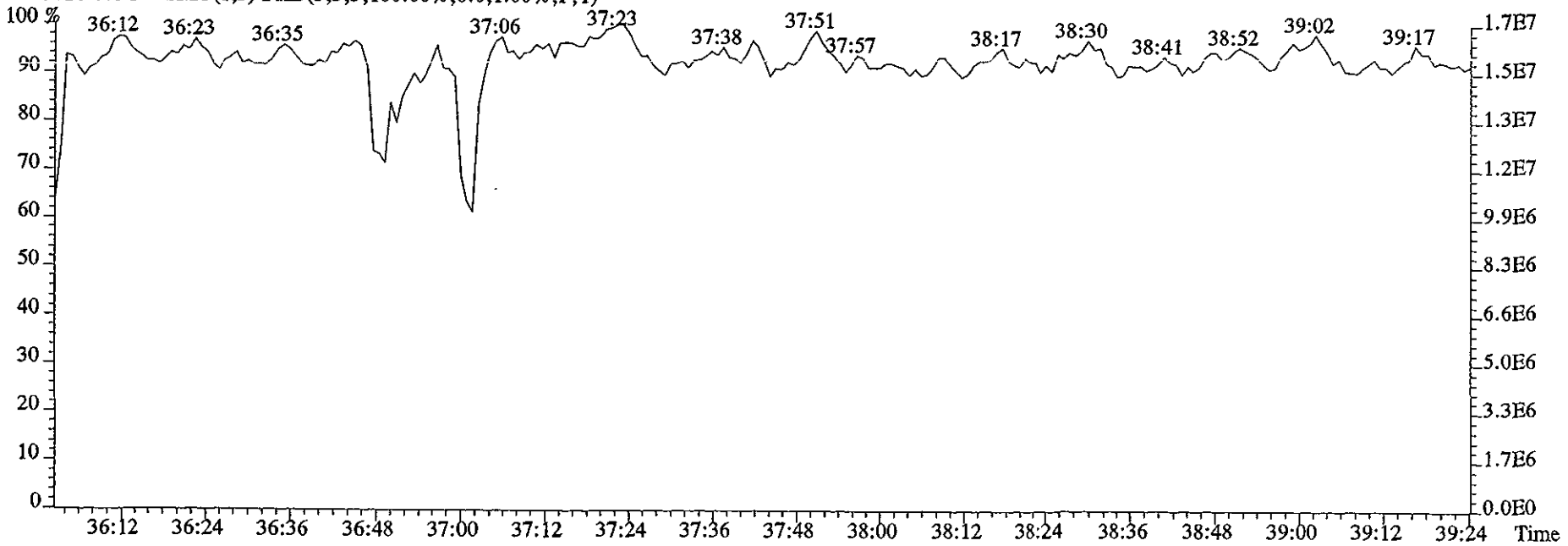
479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2308.0,1.00%,F,T)



File:29AP101D5 #1-243 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

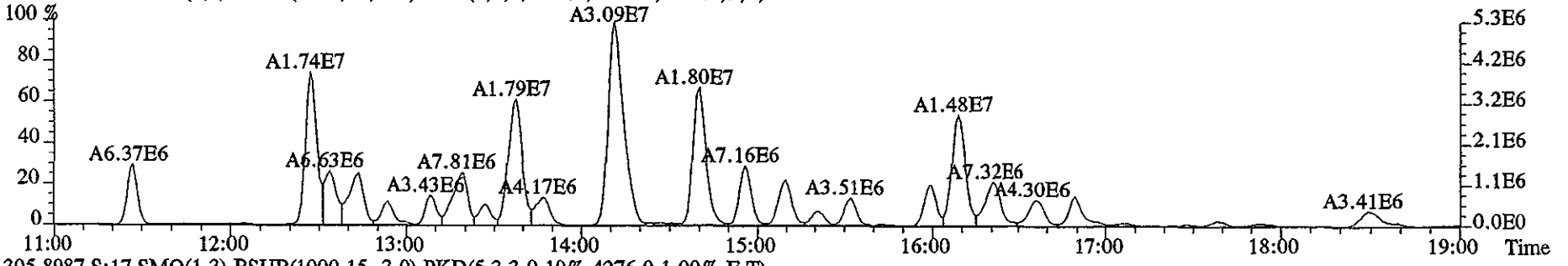


Run text: LX0PR-1-AF Sample text: LX0PR-1-AF :G0D140543-10S
Run #20 Filename: 01MY10A5D2 S: 17 I: 1 Results: 01MY10A5D2DB225
Acquired: 2-MAY-10 05:32:10 Processed: 3-MAY-10 09:37:29
Run: 01MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.02 g

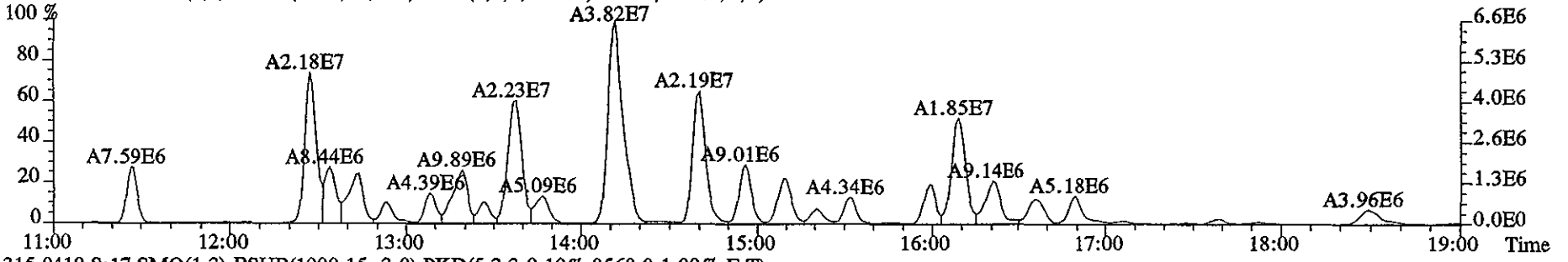
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	19358650	0.80	y	14:57	-	1.942	-	-	n
13C-2,3,7,8-TCDF	39998200	0.83	y	16:08	2.11	97.899	0.760	49.0	n
2,3,7,8-TCDF	33302300	0.80	y	16:09	1.09	152.681	0.562	-	n
13C-2,3,7,8-TCDD	20157090	0.73	y	14:44	0.95	109.563	1.038	54.9	n
2,3,7,8-TCDD	4357410	0.88	y	14:45	1.36	31.791	0.697	-	n
37Cl-2,3,7,8-TCDD	24585800	1.00	y	14:45	2.28	55.637	0.044	69.7	n

AK 5/4/10

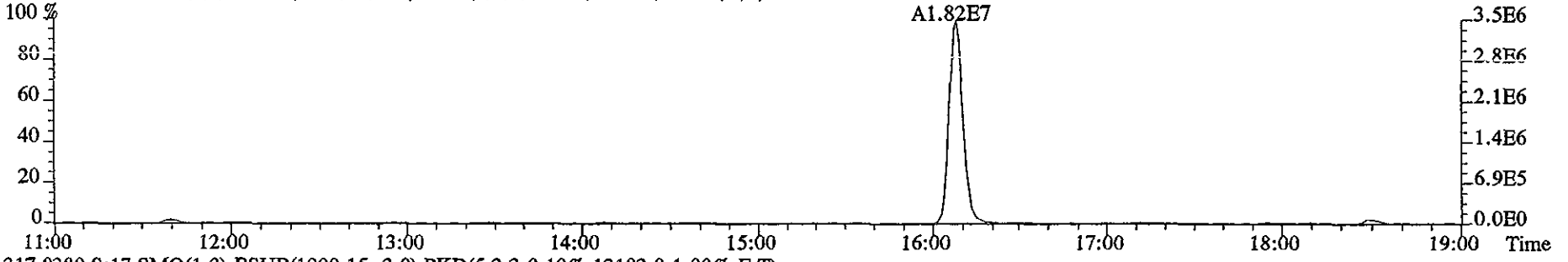
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SE
Sample#17 Text:LX0PR-1-AF :G0D140543-10S Exp:DB225RES
303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3544.0,1.00%,F,T)



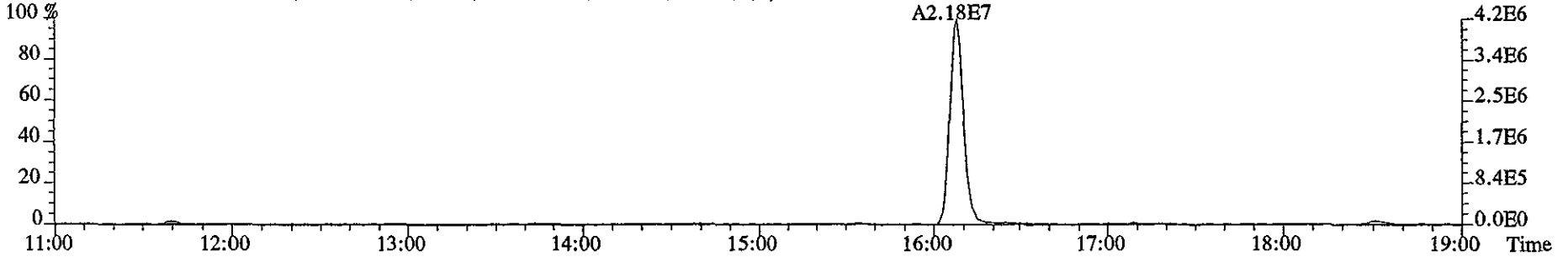
305.8987 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4276.0,1.00%,F,T)



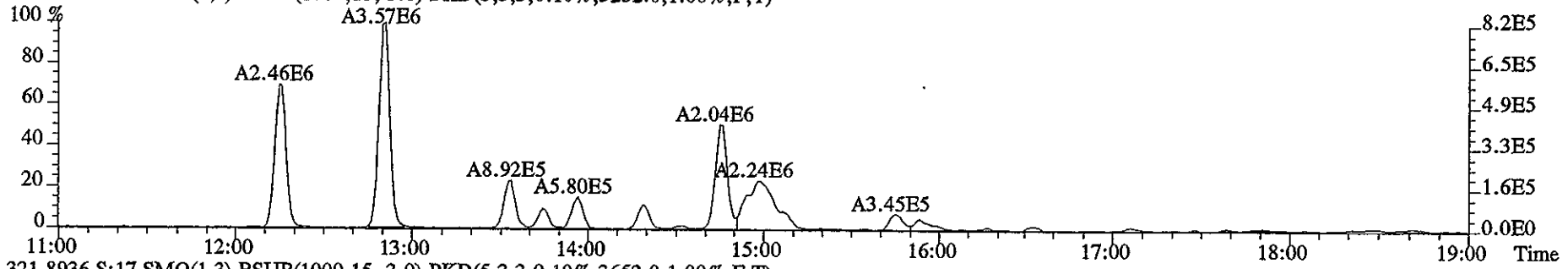
315.9419 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8568.0,1.00%,F,T)



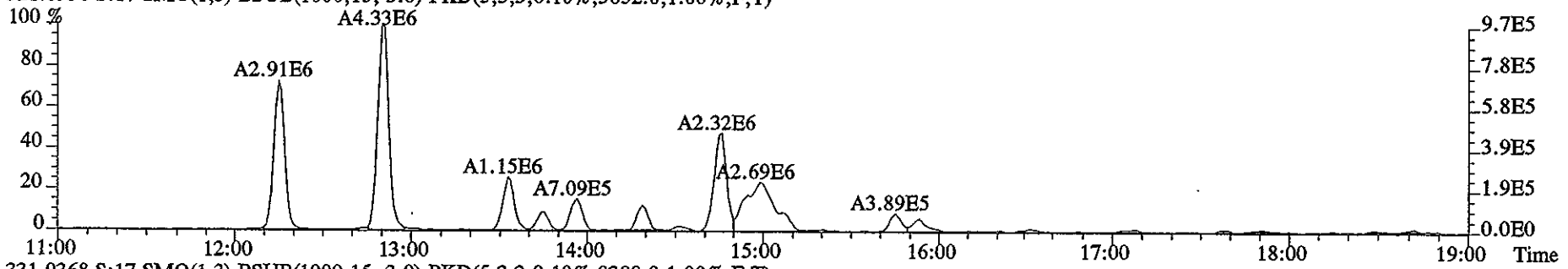
317.9389 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T)



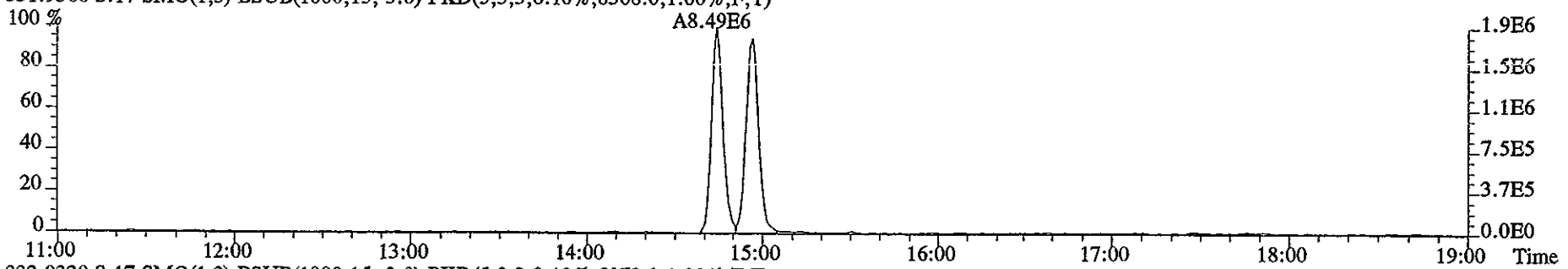
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SE
Sample#17 Text:LX0PR-1-AF :G0D140543-10S Exp:DB225RES
319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3252.0,1.00%,F,T)



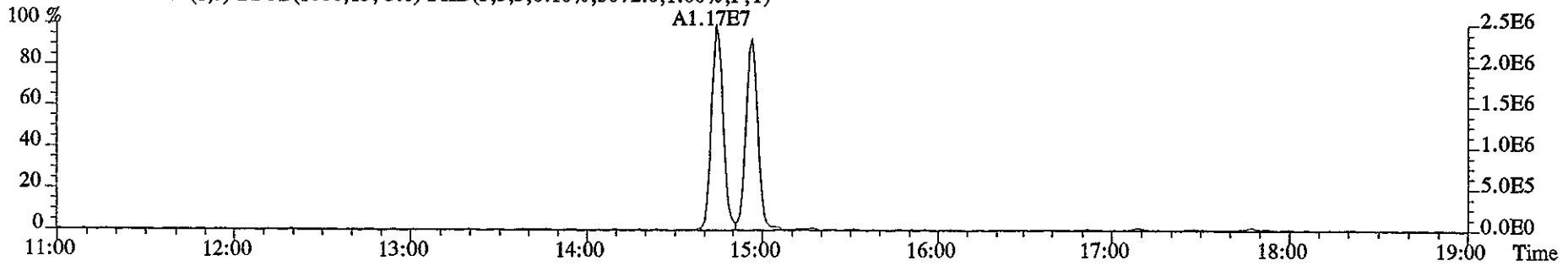
321.8936 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3652.0,1.00%,F,T)



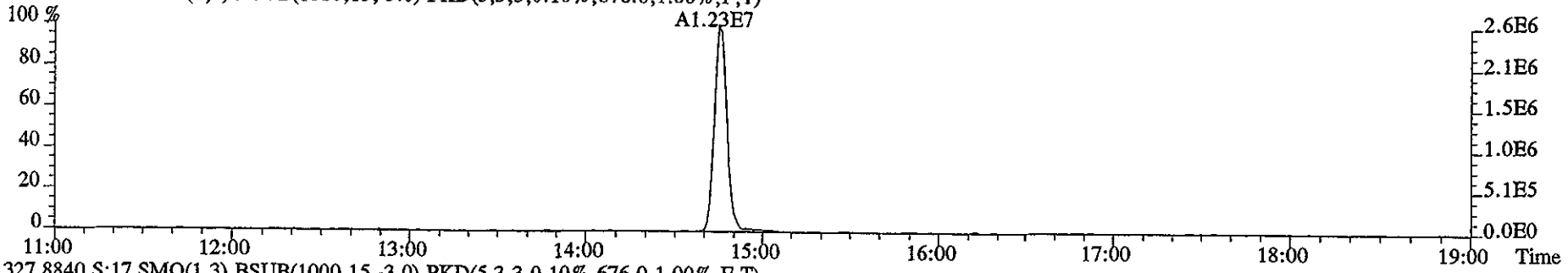
331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8308.0,1.00%,F,T)



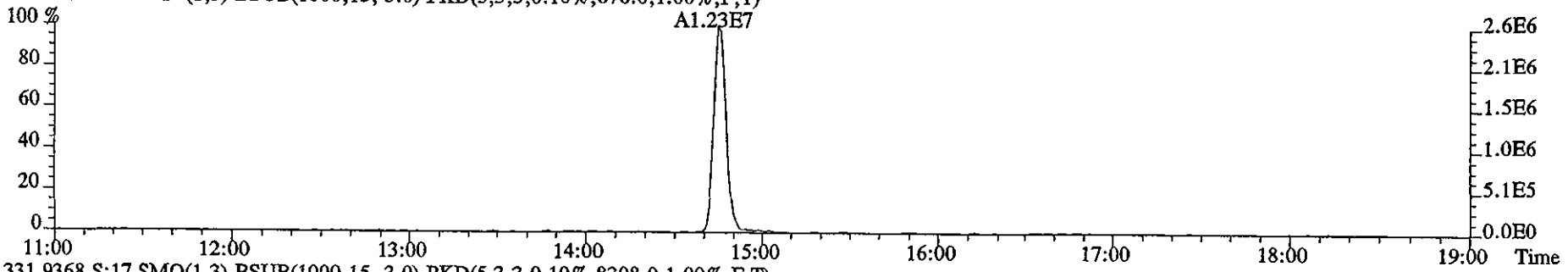
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5072.0,1.00%,F,T)



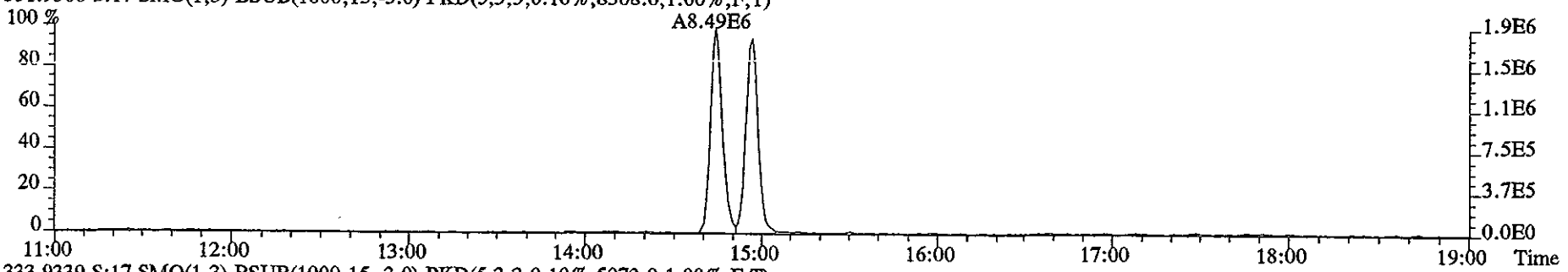
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SE
Sample#17 Text:LX0PR-1-AF :G0D140543-10S Exp:DB225RES
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



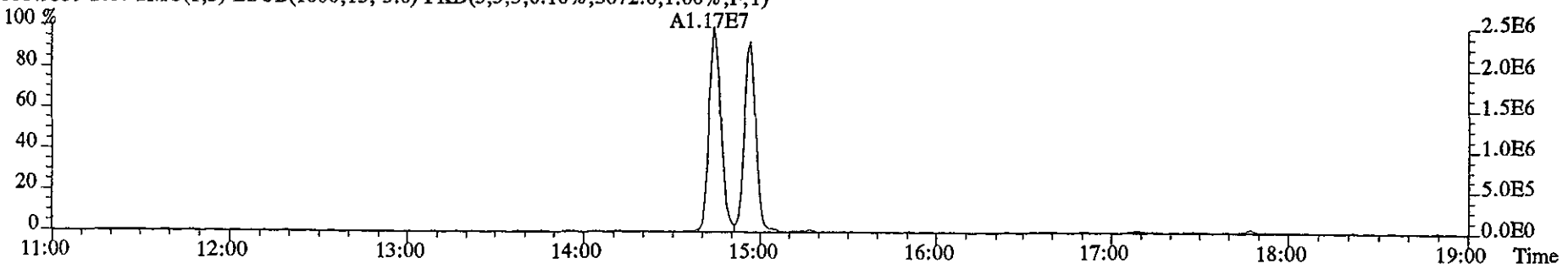
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



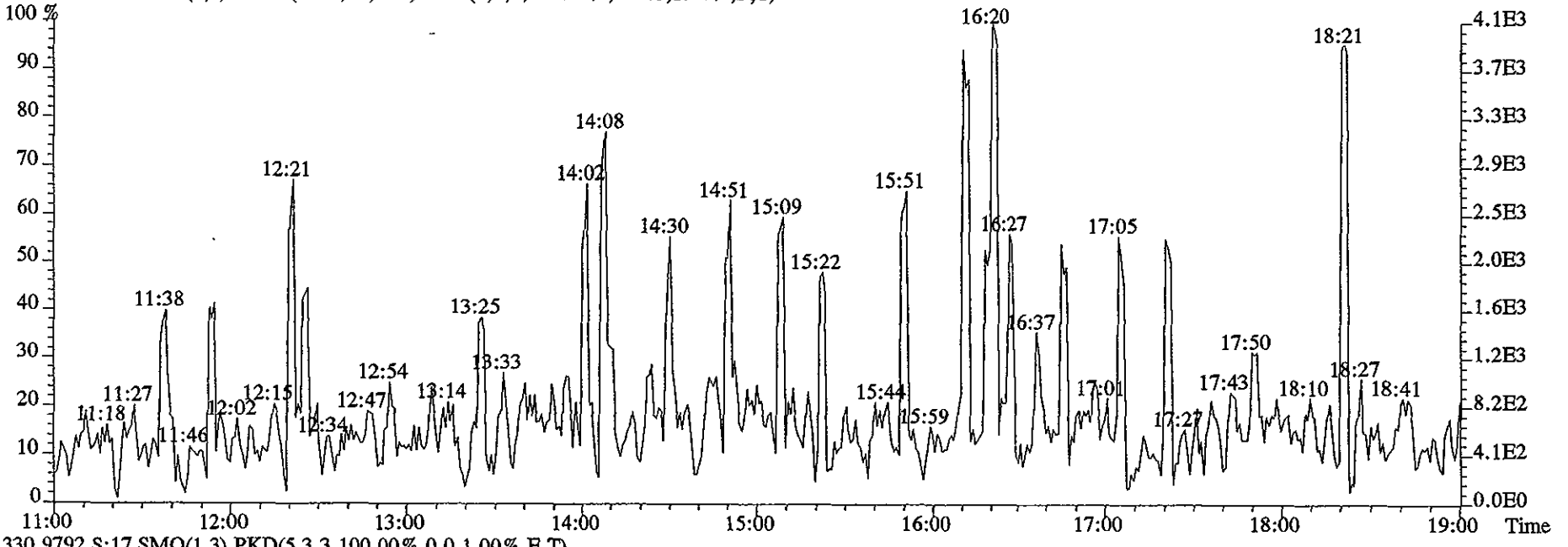
331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8308.0,1.00%,F,T)



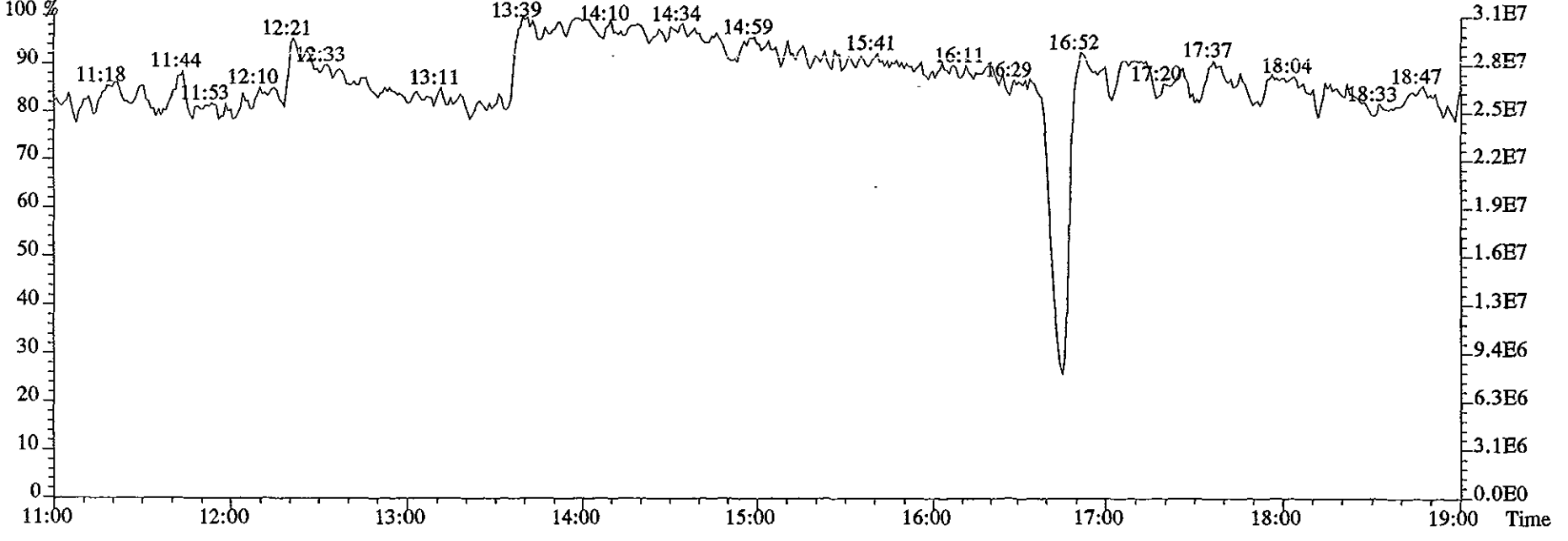
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5072.0,1.00%,F,T)



File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 05:32:10 GC EI+ Voltage SIR 70SE
Sample#17 Text:LX0PR-1-AF :G0D140543-10S Exp:DB225RES
375.8364 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,732.0,1.00%,F,T)



330.9792 S:17 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX0PR-1-AG Sample text: LX0PR-1-AG :G0D140543-10SD
Run #10 Filename: 29AP101D5 S: 9 I: 1 Results: 29ap101d58290vg
Acquired: 29-APR-10 15:27:01 Processed: 29-APR-10 22:38:46
Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.12 g

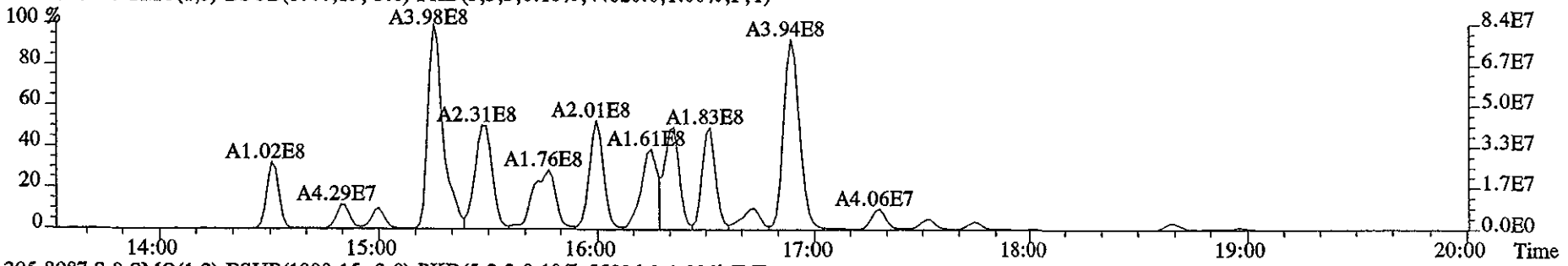
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	267211000	0.83	y	17:22	-	8.48	-	-	n
13C-2,3,7,8-TCDF	451621000	0.79	y	16:53	1.57	106.64	0.15	54.0	n
2,3,7,8-TCDF	901677000	0.78	y	16:54	0.86	458.87	0.69	-	n
Total TCDF	5245631553	0.88	y	14:12	0.86	~~2669.56~~	0.69	-	n
13C-2,3,7,8-TCDD	333114000	0.83	y	17:33	0.99	124.01	0.13	62.8	n
2,3,7,8-TCDD	46839500	0.75	y	17:35	0.93	29.76	0.24	-	n
Total TCDD	377186760	0.76	y	15:24	0.93	~~239.64~~	0.24	-	n
37Cl-2,3,7,8-TCDD	358184000	1.00	y	17:34	2.22	59.72	0.19	75.5	n
13C-1,2,3,7,8-PeCDF	391808000	1.63	y	21:45	1.07	135.05	0.23	68.3	n
1,2,3,7,8-PeCDF	880831000	1.58	y	21:46	1.00	444.26	0.96	-	n
2,3,4,7,8-PeCDF	507432000	1.58	y	23:04	0.94	272.70	1.02	-	n
Total F2 PeCDF	5333074346	1.57	y	20:16	0.97	~~2769.66~~	0.99	-	n
Total F1 PeCDF	403783614	1.15	n	15:43	0.97	~~210.11~~	0.14	-	n
13C-1,2,3,7,8-PeCDD	223958900	1.69	y	23:45	0.67	124.29	0.11	62.9	n
1,2,3,7,8-PeCDD	151156600	1.62	y	23:46	0.93	143.55	1.35	-	n
Total PeCDD	427032247	1.61	y	20:38	0.93	~~405.56~~	1.35	-	n
13C-1,2,3,7,8,9-HxCDD	237604000	1.25	y	31:56	-	8.56	-	-	n
13C-1,2,3,4,7,8-HxCDF	295898000	0.52	y	29:57	0.89	137.83	0.30	69.7	n
1,2,3,4,7,8-HxCDF	1602634000	1.23	y	29:59	1.20	892.68	13.99	-	y
1,2,3,6,7,8-HxCDF	1151605000	1.25	y	30:13	1.37	560.93	12.24	-	n
2,3,4,6,7,8-HxCDF	349123000	1.24	y	31:13	1.24	187.74	13.51	-	n
1,2,3,7,8,9-HxCDF	351766000	1.25	y	32:10	1.33	177.17	12.65	-	y
Total HxCDF	6962913400	1.26	y	27:12	1.28	~~3642.28~~	13.06	-	y
13C-1,2,3,6,7,8-HxCDD	224654000	1.28	y	31:33	0.73	127.62	0.12	64.6	n
1,2,3,4,7,8-HxCDD	147599800	1.27	y	31:27	0.97	133.86	0.49	-	n
1,2,3,6,7,8-HxCDD	186462200	1.25	y	31:34	1.06	154.99	0.45	-	n
1,2,3,7,8,9-HxCDD	215114500	1.27	y	31:57	1.28	148.39	0.37	-	n
Total HxCDD	752500650	1.30	y	28:43	1.10	~~599.67~~	0.43	-	n
13C-1,2,3,4,6,7,8-HpCDF	303295900	0.44	y	33:48	0.86	146.65	0.63	74.2	n
1,2,3,4,6,7,8-HpCDF	3719470000	1.05	y	33:49	1.29	1883.73	0.37	-	n
1,2,3,4,7,8,9-HpCDF	1203541000	1.04	y	35:01	1.14	690.73	0.42	-	n
Total HpCDF	6849034060	1.05	y	33:49	1.21	~~3610.80~~	0.39	-	n
13C-1,2,3,4,6,7,8-HpCDD	237186000	1.07	y	34:41	0.75	131.14	0.65	66.4	n
1,2,3,4,6,7,8-HpCDD	293649000	1.04	y	34:41	1.00	245.21	0.39	-	n
Total HpCDD	381548242	0.42	n	33:41	1.00	~~318.61~~	0.39	-	n
13C-OCDD	375124000	0.89	y	37:17	0.56	276.40	0.59	69.9	n
OCDF	6495500000	0.88	y	37:23	1.44	4761.68	1.05	-	n

OCDD	380307000	0.89	y	37:18	1.11	361.16	/	0.46	- n

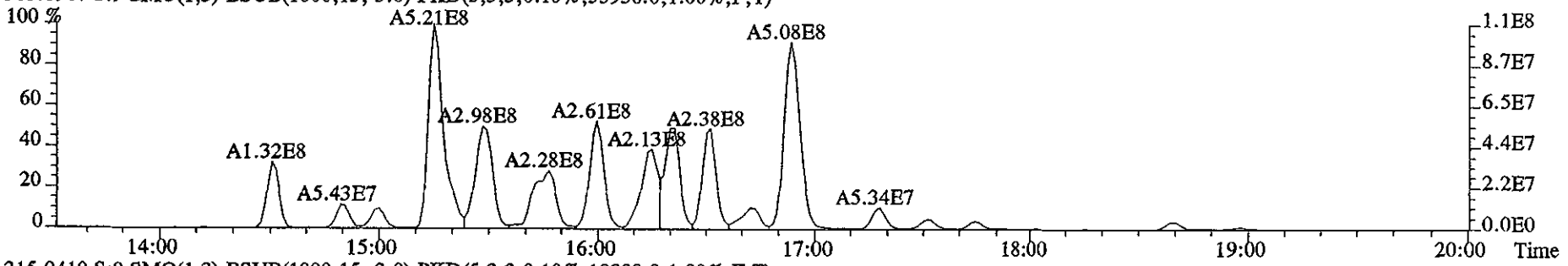
Run text: LX0PR-1-AG Sample text: LX0PR-1-AG :G0D140543-10SD
Run #10 Filename: 29AP101D5 S: 9 I: 1 Results: 29AP101D58290
Acquired: 29-APR-10 15:27:01 Processed: 29-APR-10 22:38:46
Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.12 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	267211000	0.83	y	17:22	-	8.477	-	-	n
13C-2,3,7,8-TCDF	451621000	0.79	y	16:53	1.57	106.645	0.146	54.0	n
2,3,7,8-TCDF	901677000	0.78	y	16:54	0.86	458.874 See	0.686	-	n
Total TCDF	5245631553	0.88	y	14:12	0.86	~~2669.564~~ DB276	0.686	-	n
13C-2,3,7,8-TCDD	333114000	0.83	y	17:33	0.99	124.014	0.128	62.8	n
2,3,7,8-TCDD	46839500	0.75	y	17:35	0.93	29.759 ✓	0.243	-	n
Total TCDD	377186760	0.76	y	15:24	0.93	~~239.644~~	0.243	-	n
37Cl-2,3,7,8-TCDD	358184000	1.00	y	17:34	2.22	59.716	0.193	75.5	n
13C-1,2,3,7,8-PeCDF	391808000	1.63	y	21:45	1.07	135.051 ✓	0.226	68.3	n
1,2,3,7,8-PeCDF	880831000	1.58	y	21:46	1.00	444.257 ✓	0.957	-	n
2,3,4,7,8-PeCDF	507432000	1.58	y	23:04	0.94	272.695 ✓	1.019	-	n
Total F2 PeCDF	5333074346	1.57	y	20:16	0.97	~~2769.664~~	0.987	-	n
Total F1 PeCDF	403783614	1.15	n	15:43	0.97	~~210.112~~	0.137	-	n
13C-1,2,3,7,8-PeCDD	223958900	1.69	y	23:45	0.67	124.288	0.112	62.9	n
1,2,3,7,8-PeCDD	151156600	1.62	y	23:46	0.93	143.555 ✓	1.354	-	n
Total PeCDD	427032247	1.61	y	20:38	0.93	~~405.556~~	1.354	-	n
13C-1,2,3,7,8,9-HxCDD	237604000	1.25	y	31:56	-	8.560	-	-	n
13C-1,2,3,4,7,8-HxCDF	295898000	0.52	y	29:57	0.89	137.830	0.304	69.7	n
1,2,3,4,7,8-HxCDF	1734576000	1.25	y	29:59	1.20	966.178	13.992	-	n
1,2,3,6,7,8-HxCDF	1151604000	1.25	y	30:13	1.37	560.925	12.235	-	n
2,3,4,6,7,8-HxCDF	349123000	1.24	y	31:13	1.24	187.736	13.508	-	n
1,2,3,7,8,9-HxCDF	551737000	1.24	y	32:10	1.33	277.882	12.652	-	n
Total HxCDF	7166500700	1.26	y	27:12	1.28	3749.770	13.060	-	n
13C-1,2,3,6,7,8-HxCDD	224654000	1.28	y	31:33	0.73	127.620	0.116	64.6	n
1,2,3,4,7,8-HxCDD	147599800	1.27	y	31:27	0.97	133.864 ✓	0.490	-	n
1,2,3,6,7,8-HxCDD	186462200	1.25	y	31:34	1.06	154.987 ✓	0.449	-	n
1,2,3,7,8,9-HxCDD	215114500	1.27	y	31:57	1.28	148.390 ✓	0.373	-	n
Total HxCDD	752500650	1.30	y	28:43	1.10	~~599.669~~	0.432	-	n
13C-1,2,3,4,6,7,8-HpCDF	303295900	0.44	y	33:48	0.86	146.645	0.632	74.2	n
1,2,3,4,6,7,8-HpCDF	3719470000	1.05	y	33:49	1.29	1883.728 ✓	0.368	-	n
1,2,3,4,7,8,9-HpCDF	1203541000	1.04	y	35:01	1.14	690.726 ✓	0.417	-	n
Total HpCDF	6849034060	1.05	y	33:49	1.21	3610.799	0.391	-	n
13C-1,2,3,4,6,7,8-HpCDD	237186000	1.07	y	34:41	0.75	131.141	0.655	66.4	n
1,2,3,4,6,7,8-HpCDD	293649000	1.04	y	34:41	1.00	245.208	0.391	-	n
Total HpCDD	381548242	0.42	n	33:41	1.00	318.607	0.391	-	n
13C-OCDD	375124000	0.89	y	37:17	0.56	276.397	0.594	69.9	n
OCDF	6495500000	0.88	y	37:23	1.44	4761.679	1.054	-	n
OCDD	380307000	0.89	y	37:18	1.11	361.158	0.458	-	n

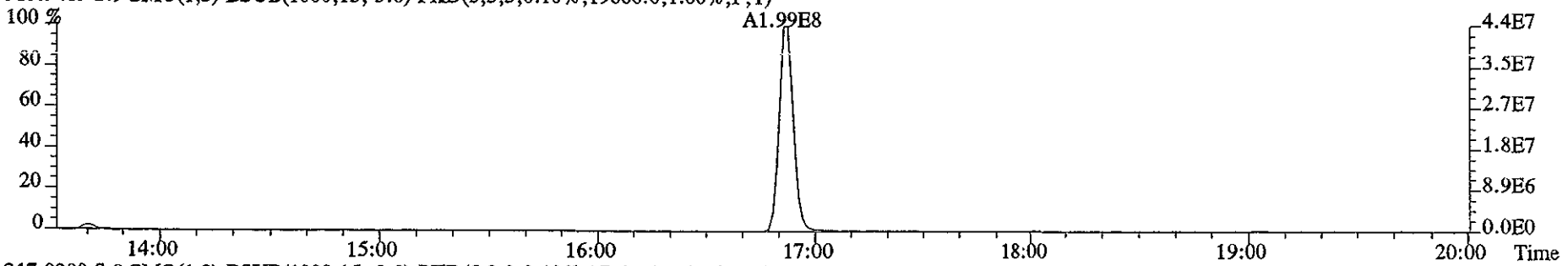
File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44820.0,1.00%,F,T)



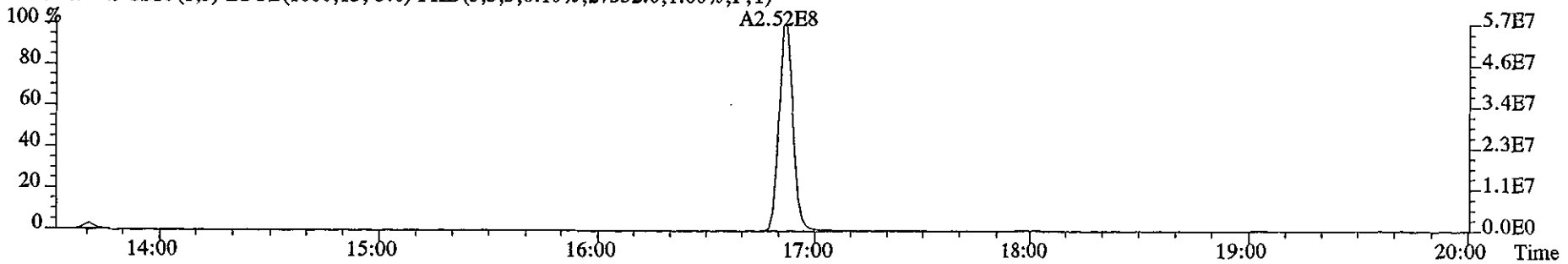
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,55936.0,1.00%,F,T)



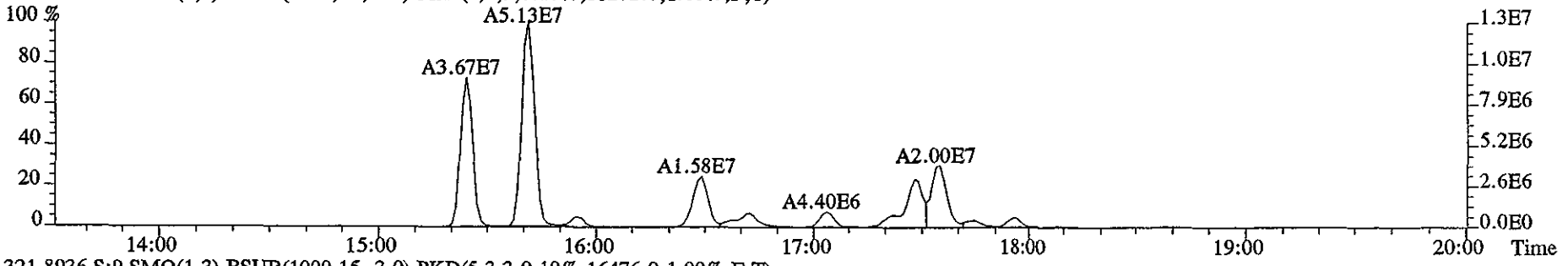
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19888.0,1.00%,F,T)



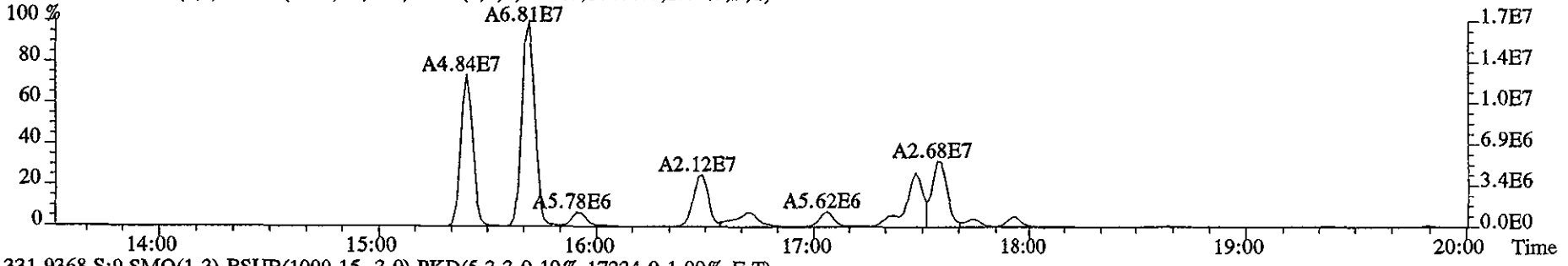
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27332.0,1.00%,F,T)



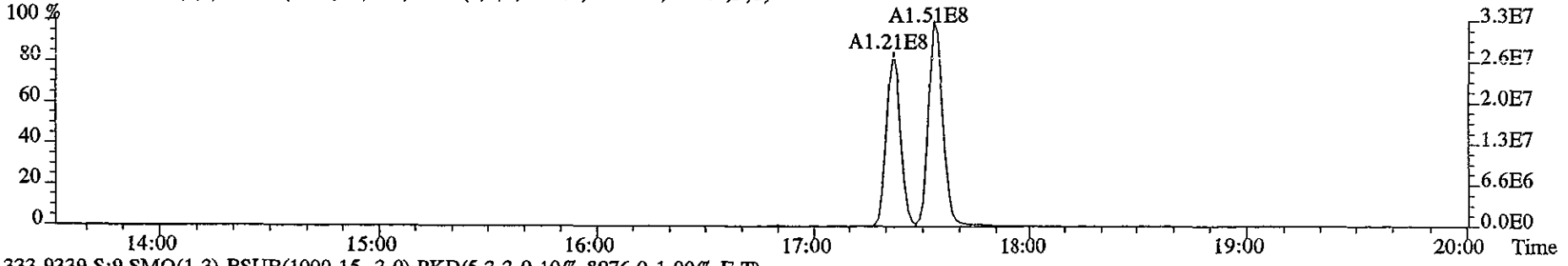
File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
319.8965 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11272.0,1.00%,F,T)



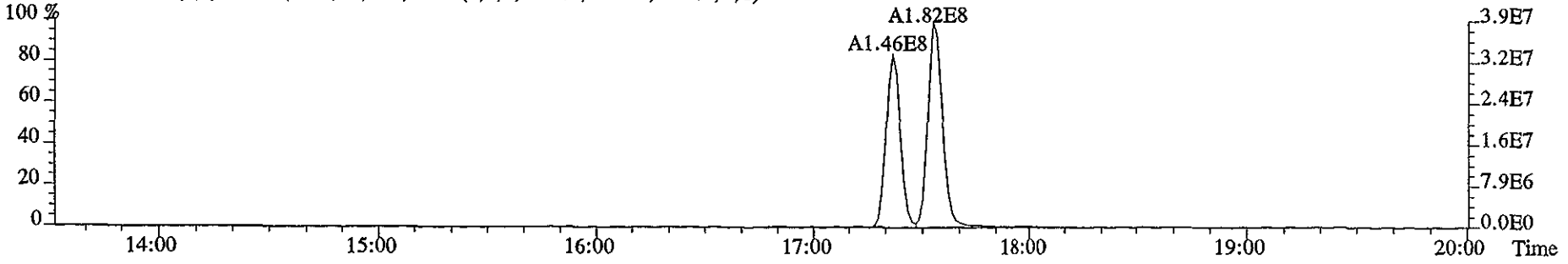
321.8936 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16476.0,1.00%,F,T)



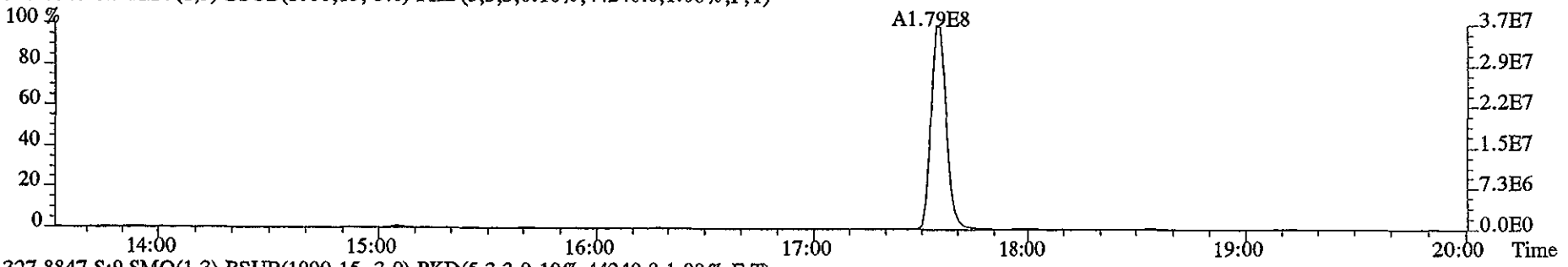
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17224.0,1.00%,F,T)



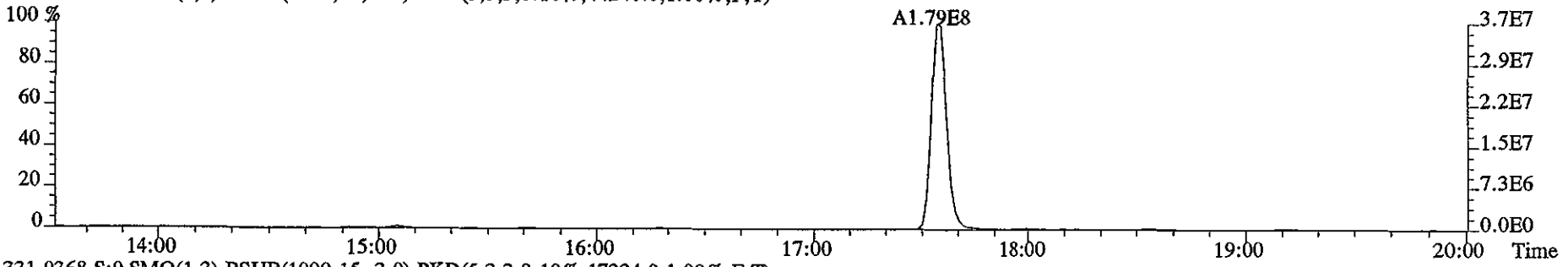
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8976.0,1.00%,F,T)



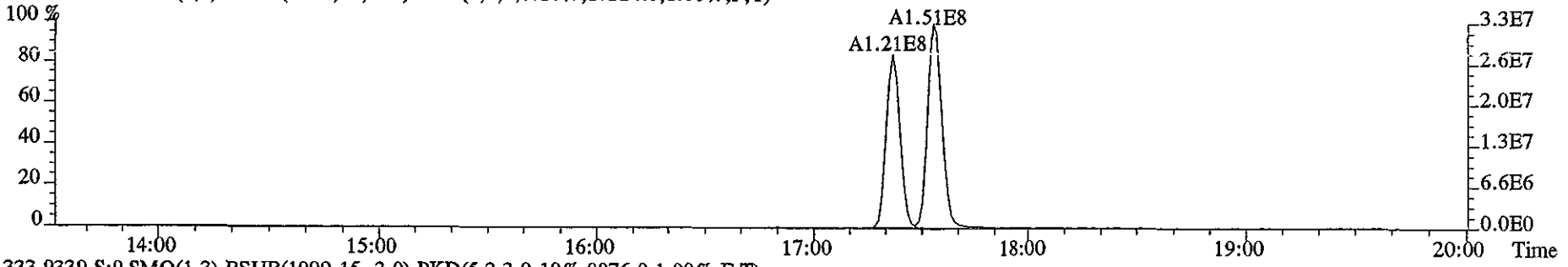
File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44240.0,1.00%,F,T)



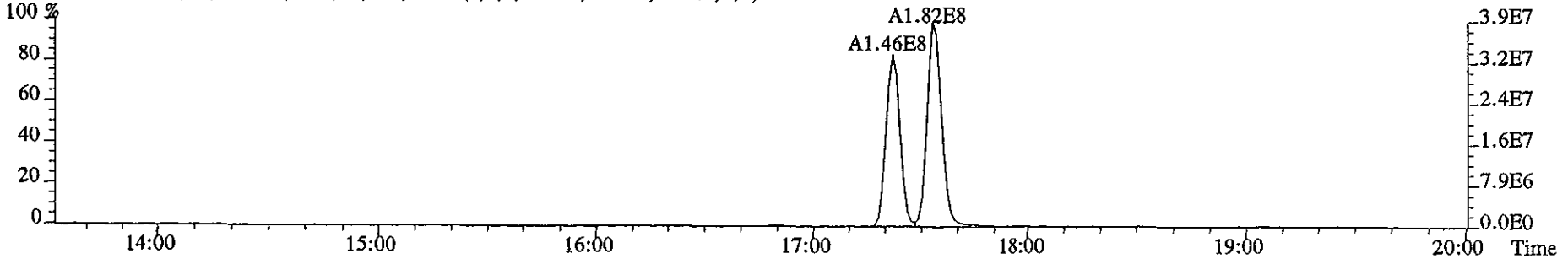
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44240.0,1.00%,F,T)



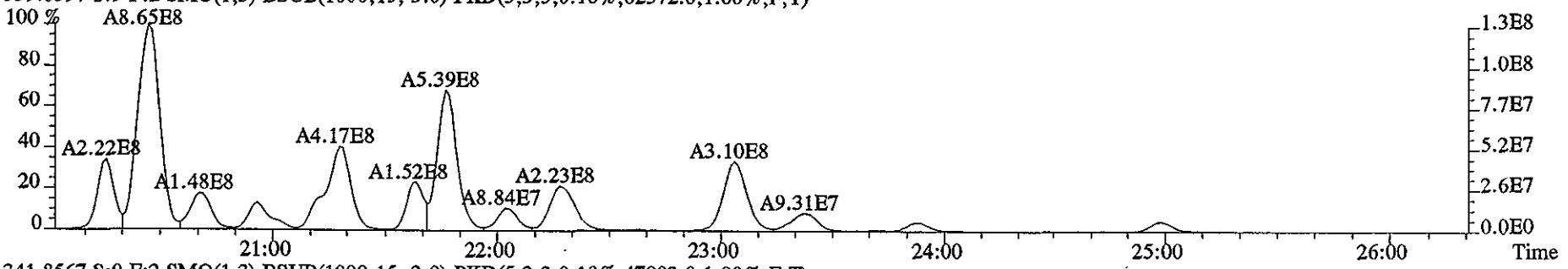
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17224.0,1.00%,F,T)

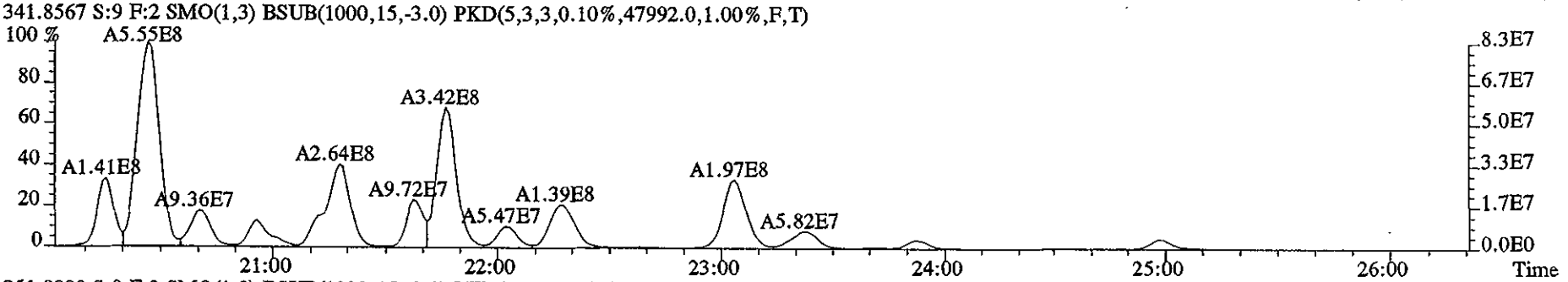


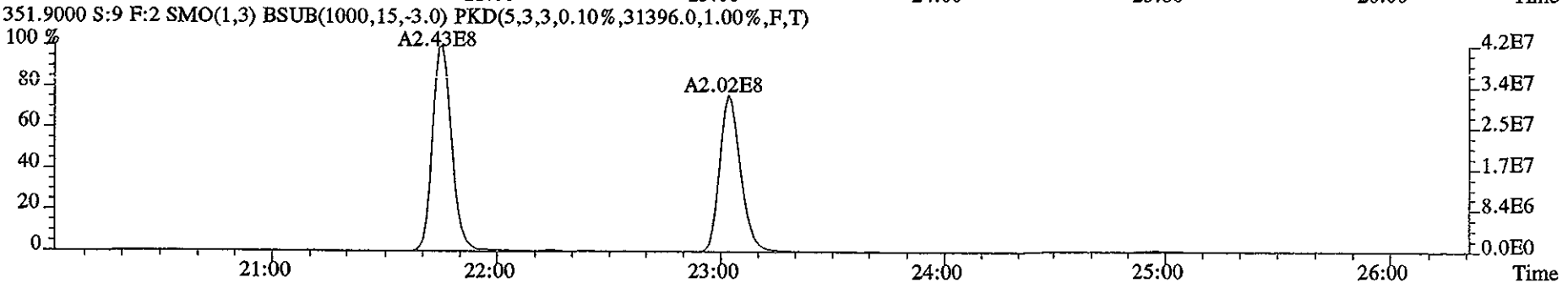
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8976.0,1.00%,F,T)

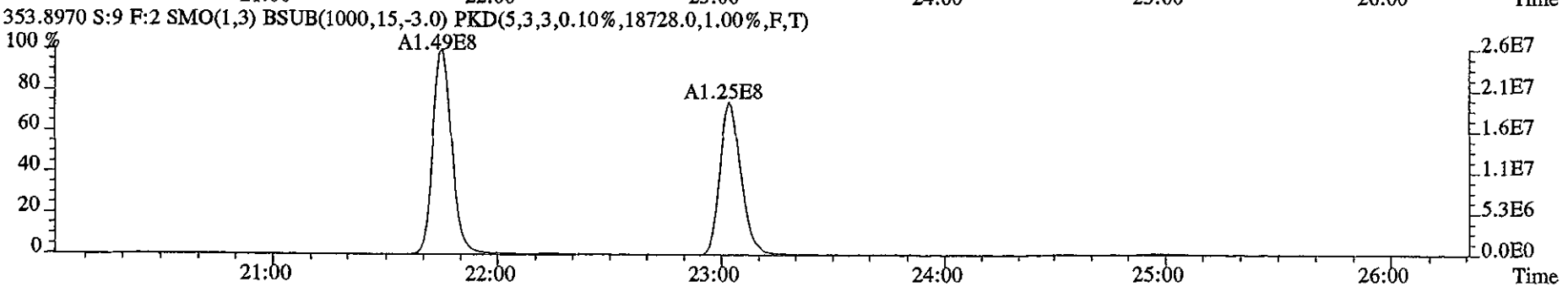


File:29AP101D5 #1-445 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES

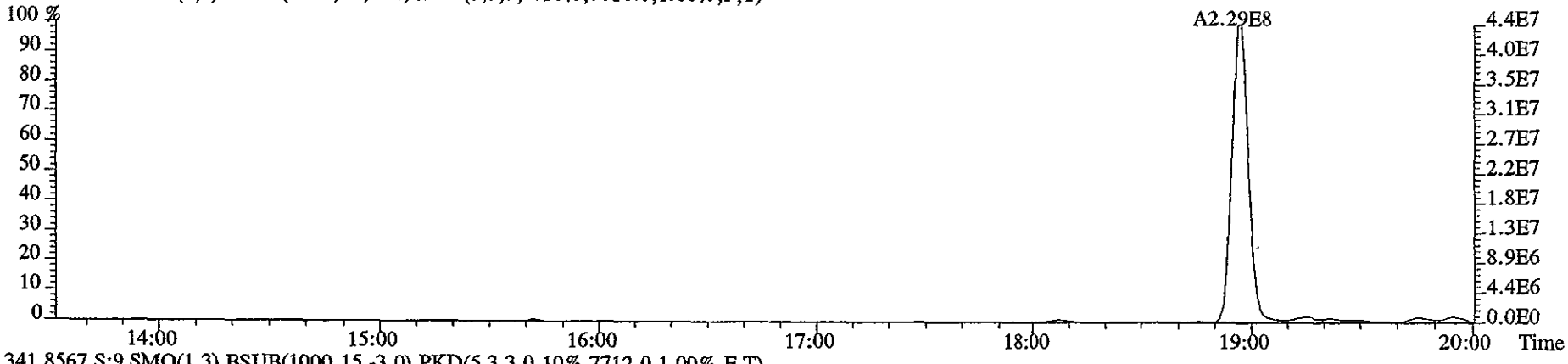




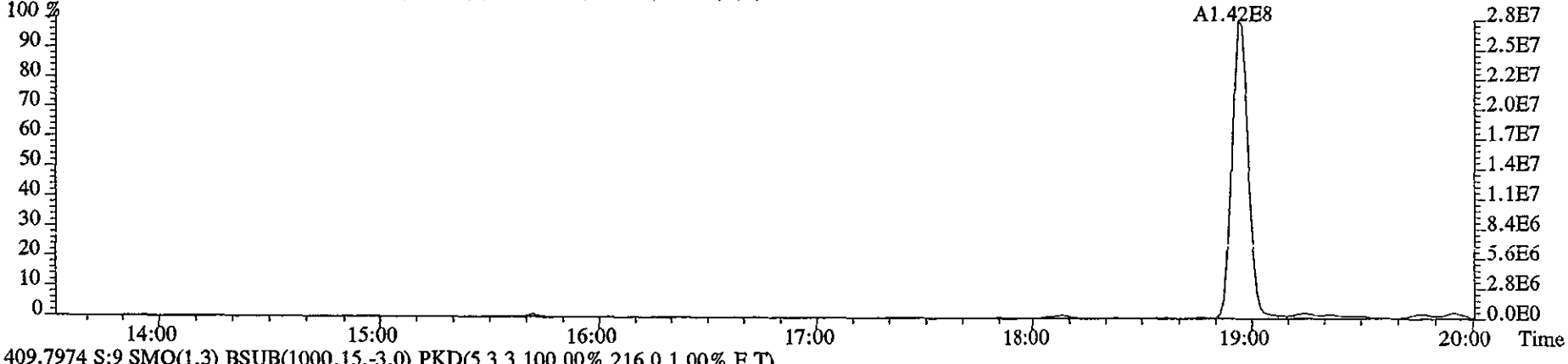




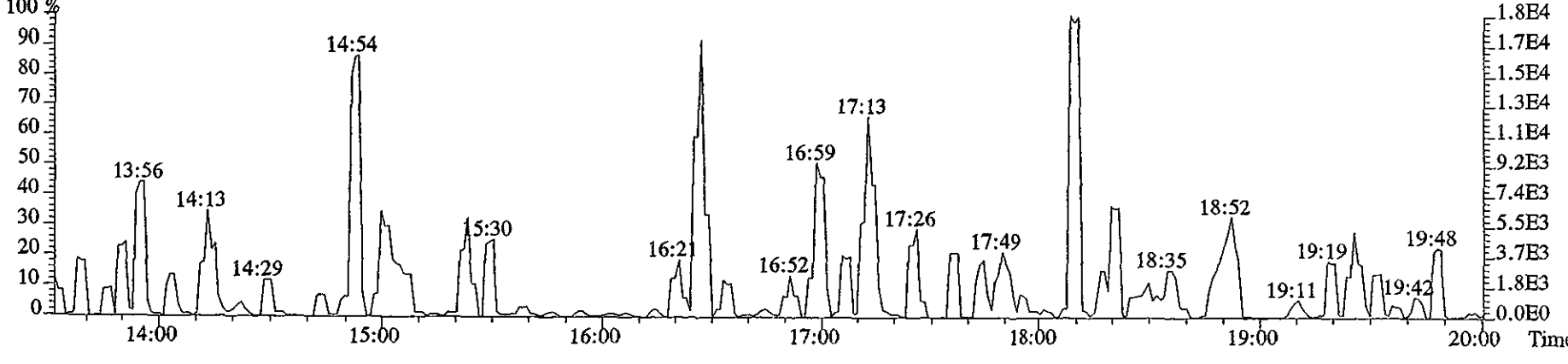
File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
339.8597 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7616.0,1.00%,F,T)



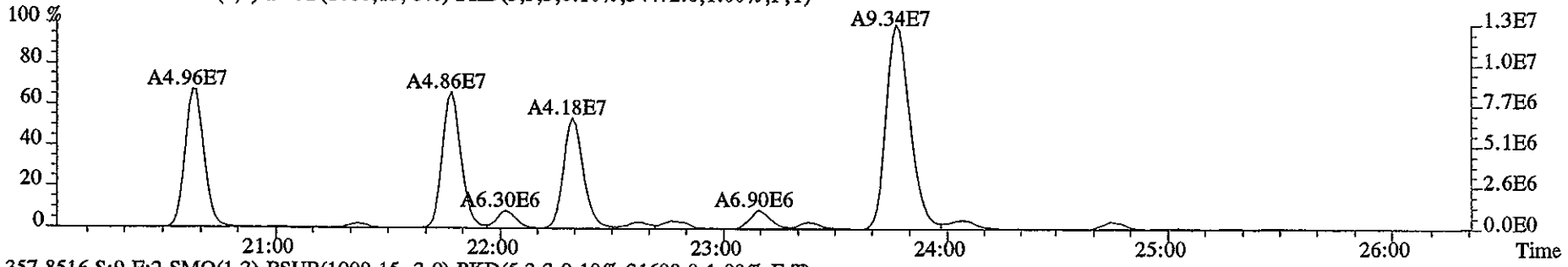
341.8567 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7712.0,1.00%,F,T)



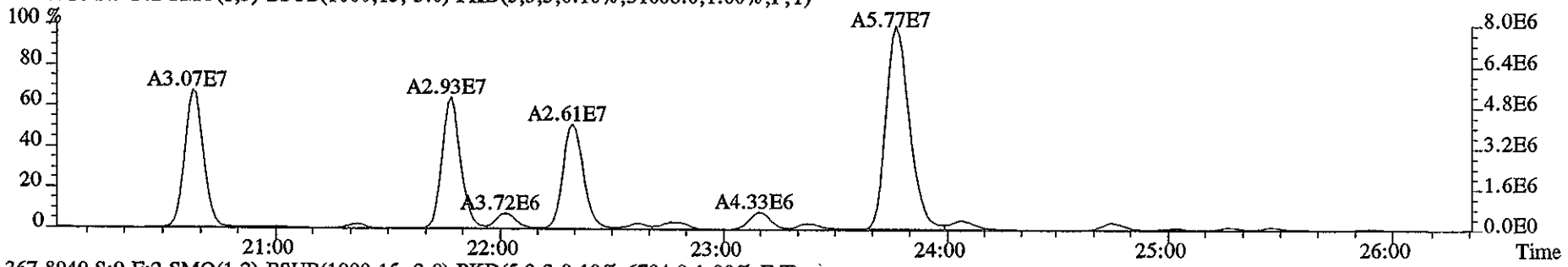
409.7974 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,216.0,1.00%,F,T)



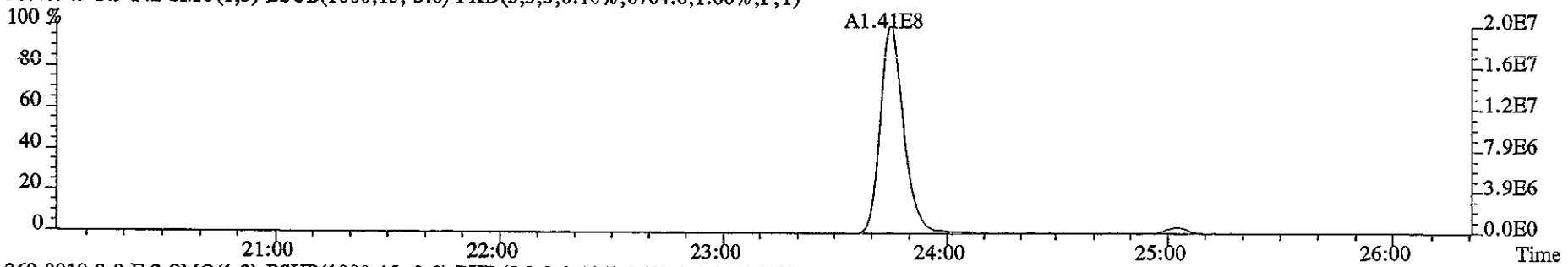
File:29AP101D5 #1-445 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
355.8546 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34472.0,1.00%,F,T)



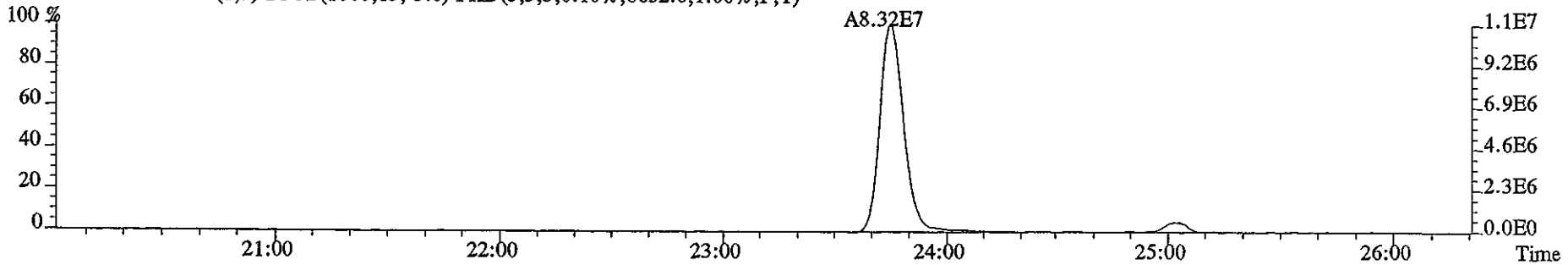
357.8516 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31608.0,1.00%,F,T)



367.8949 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6704.0,1.00%,F,T)

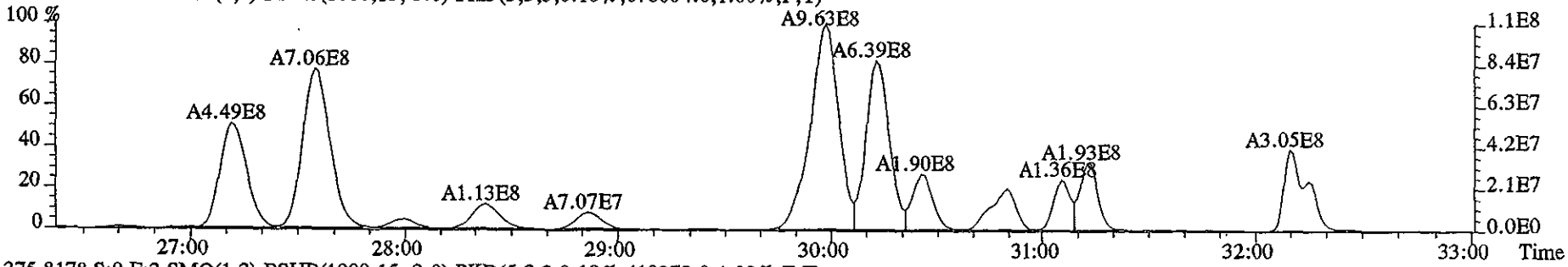


369.8919 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8652.0,1.00%,F,T)

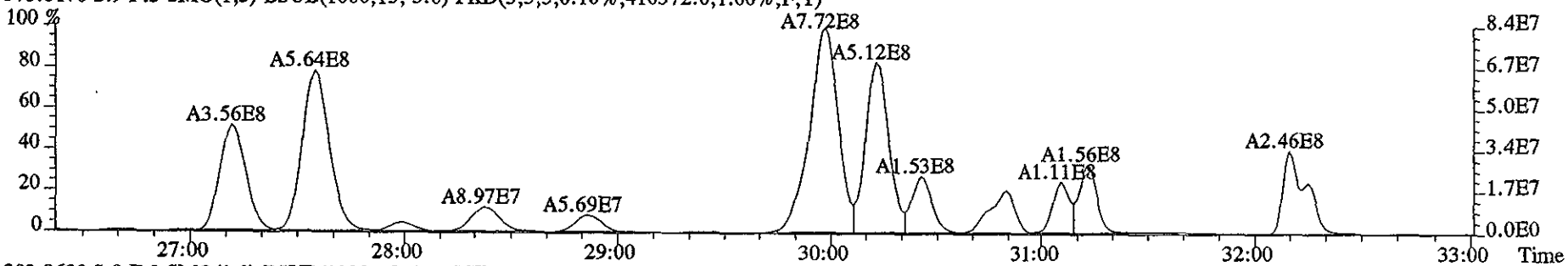


File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES

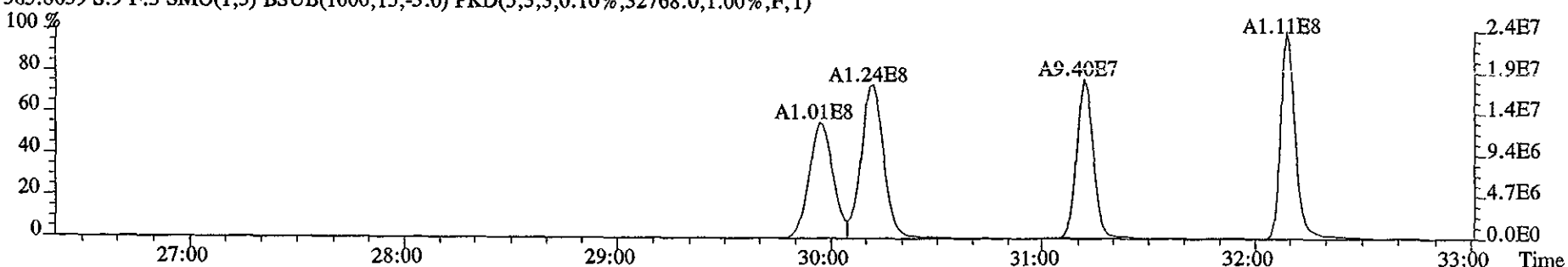
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676604.0,1.00%,F,T)



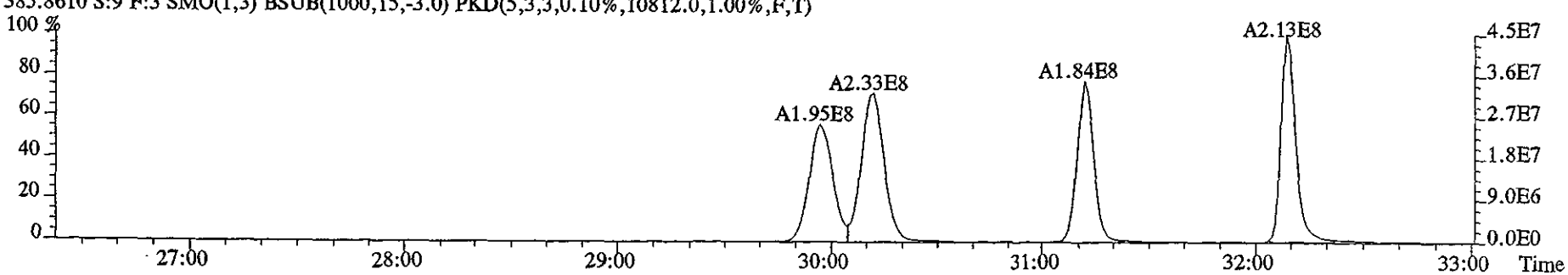
375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,410372.0,1.00%,F,T)



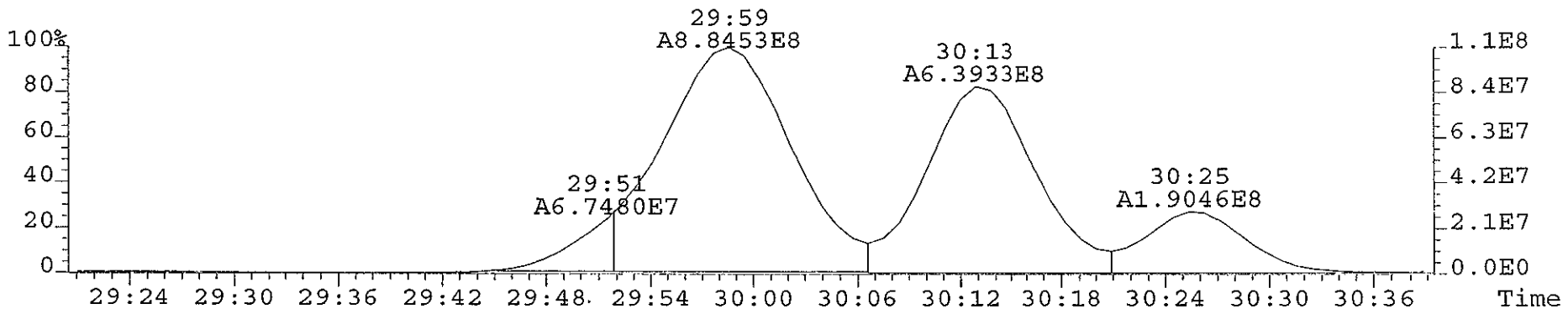
383.8639 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32768.0,1.00%,F,T)



385.8610 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10812.0,1.00%,F,T)

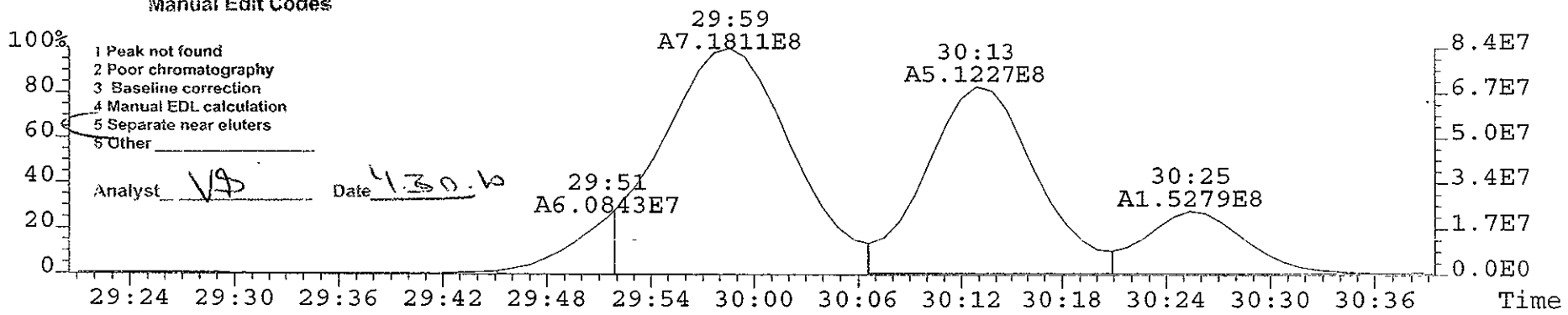


File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10 Exp:DIOXINRES
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676604.0,1.00%,F,T)

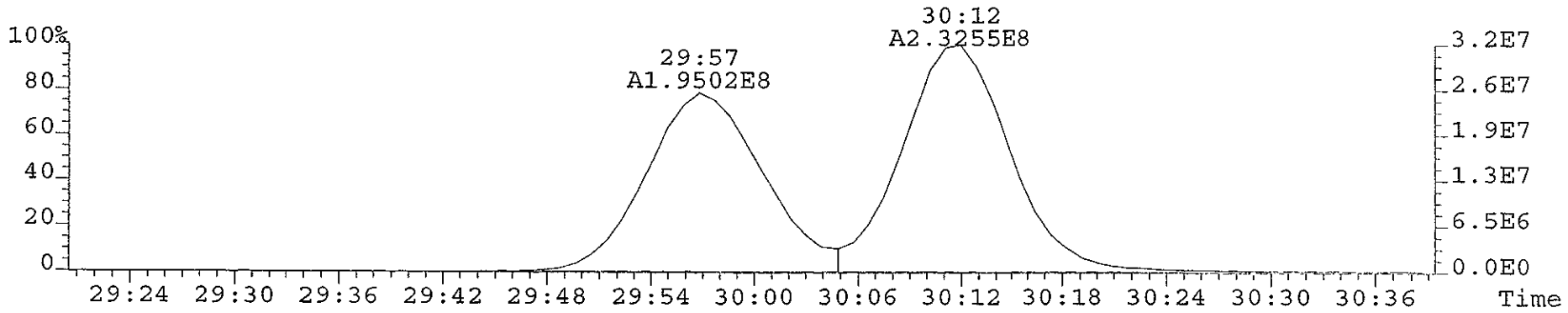


375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,410372.0,1.00%,F,T)

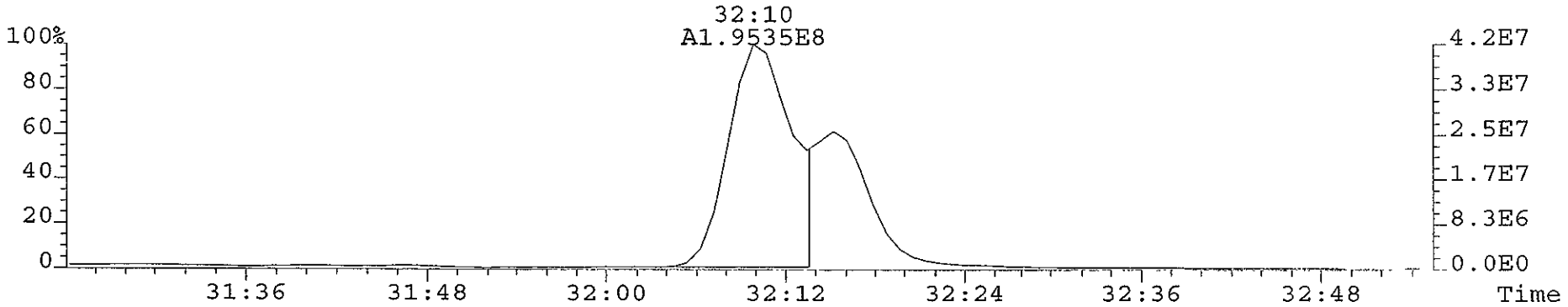
Manual Edit Codes
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____
Analyst VP Date 4.30.10



385.8610 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10812.0,1.00%,F,T)



File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10 Exp:DIOXINRES
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676604.0,1.00%,F,T)

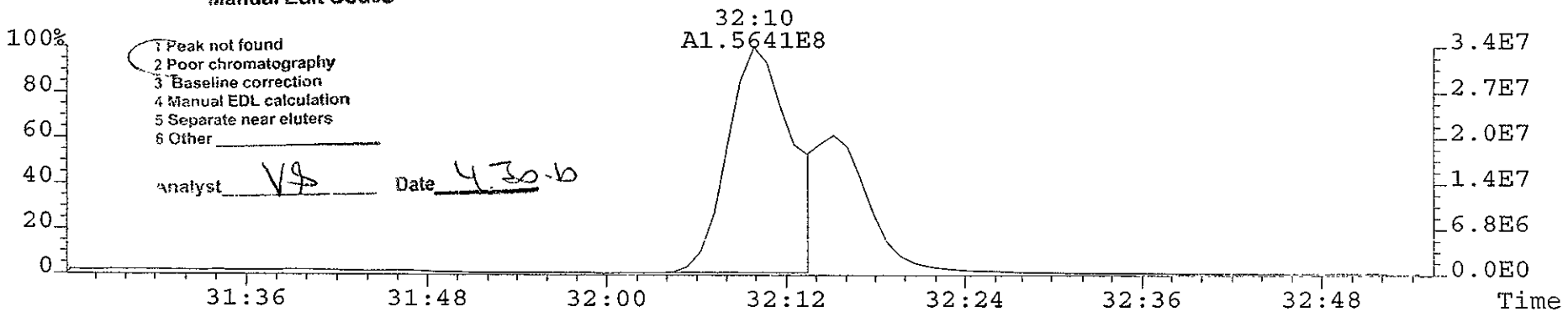


375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,410372.0,1.00%,F,T)

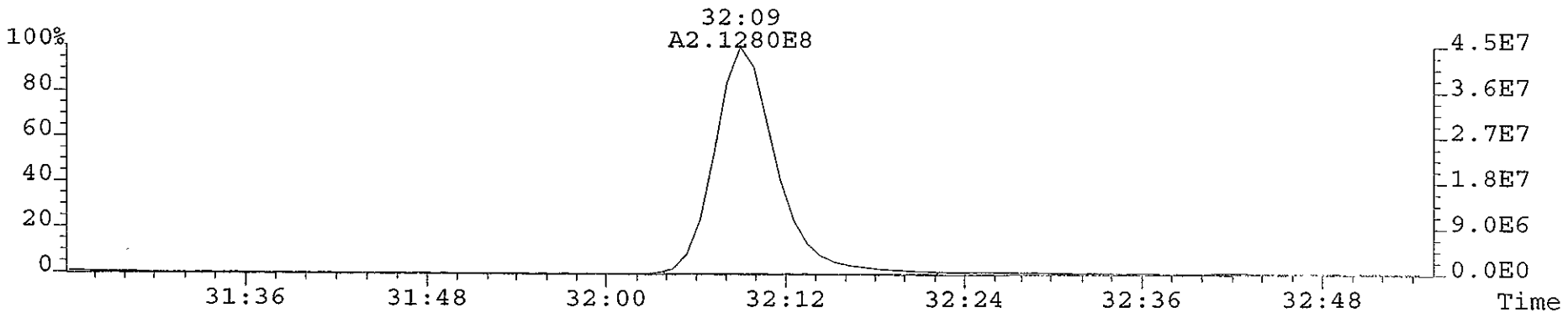
Manual Edit Codes

1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

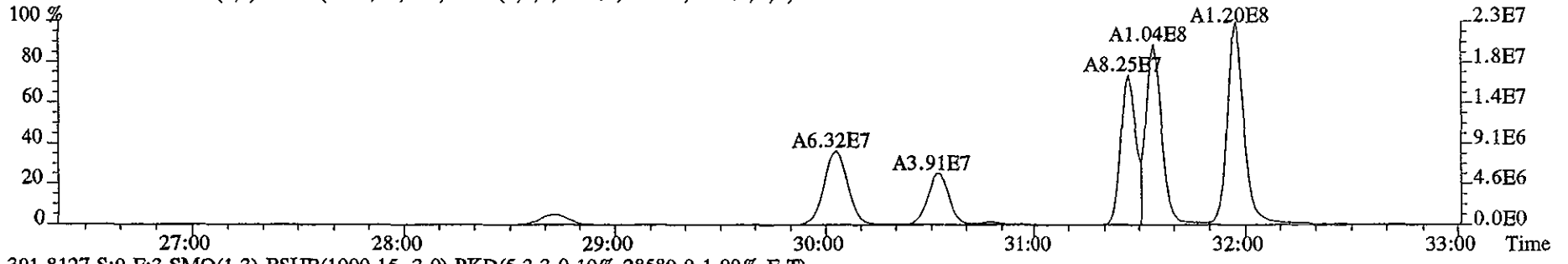
Analyst VS Date 4.30.10

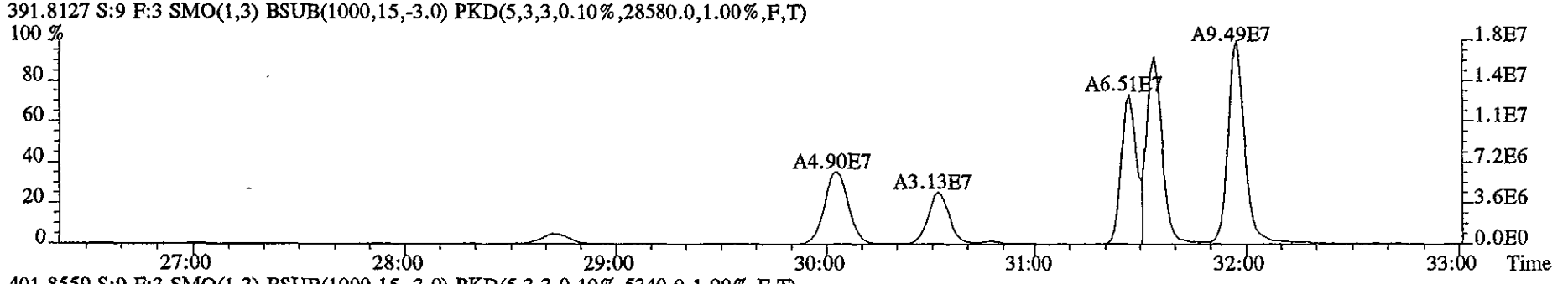


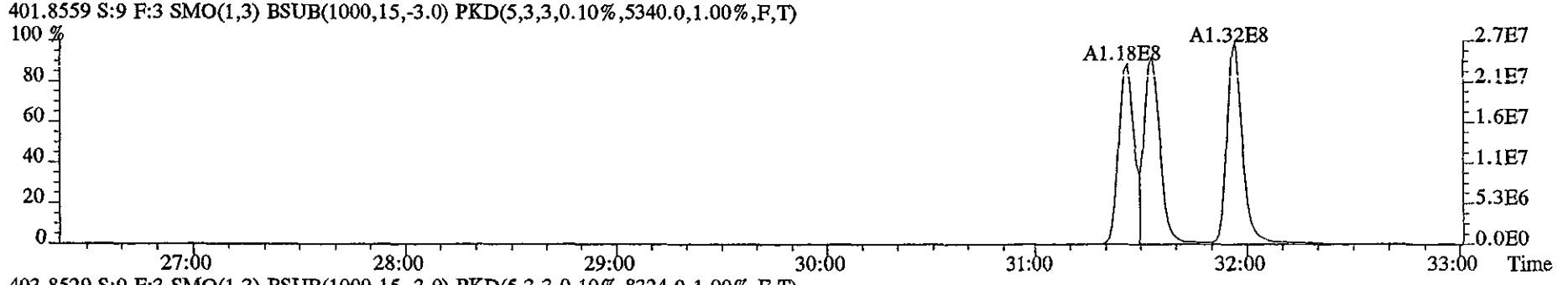
385.8610 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10812.0,1.00%,F,T)

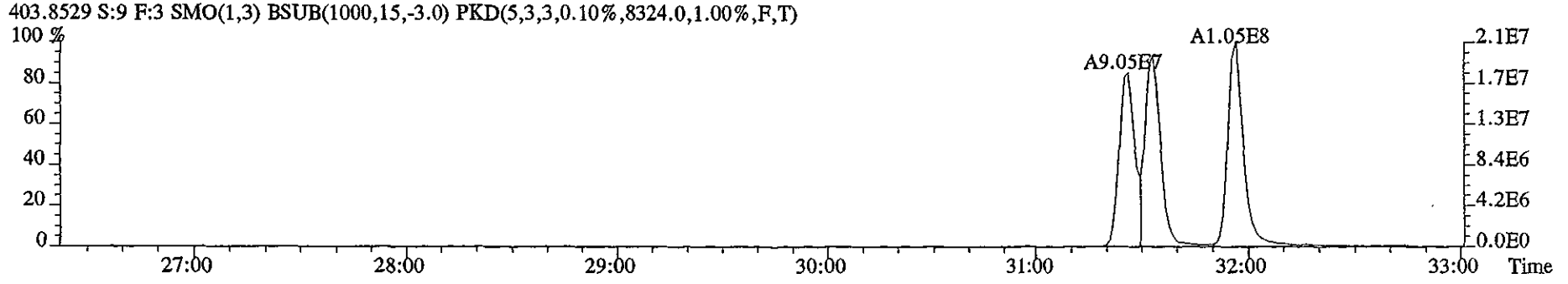


File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES

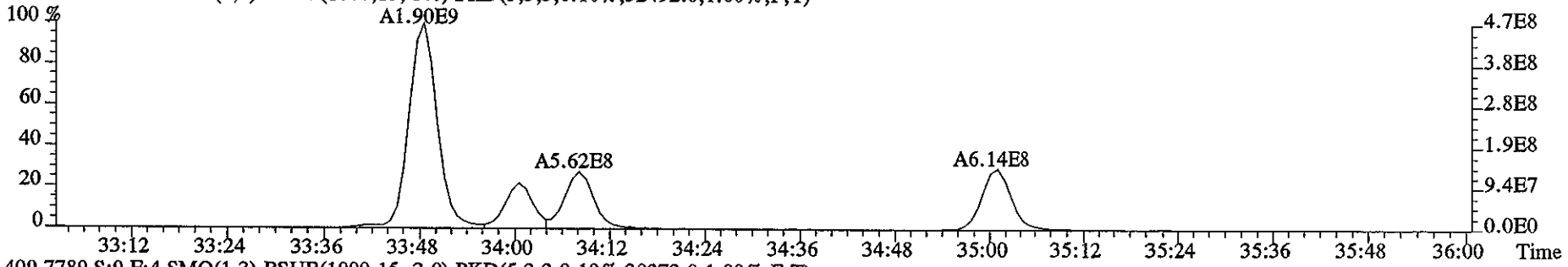




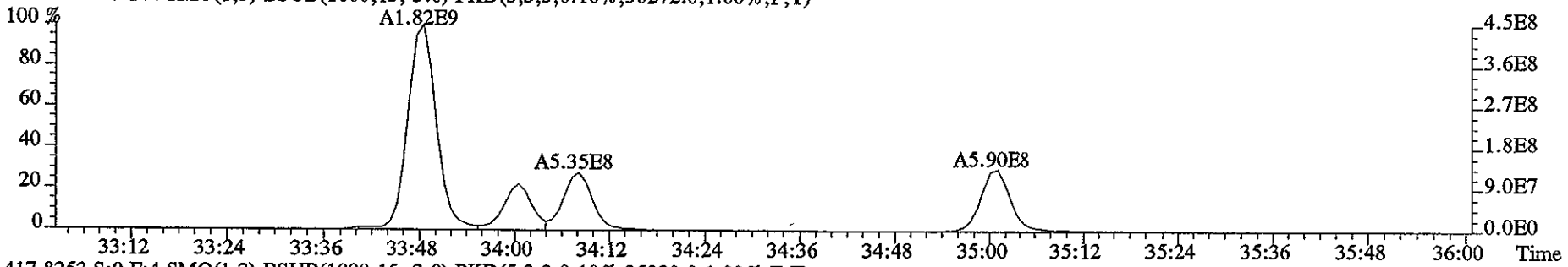




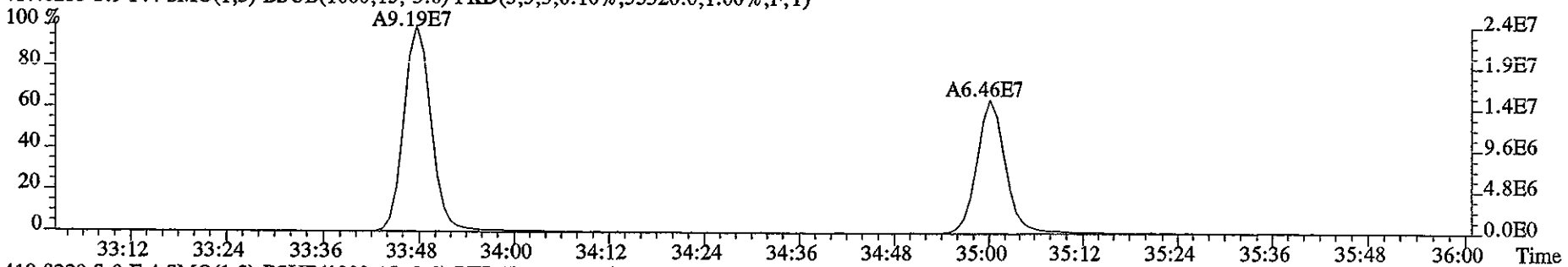
File:29AP101D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32492.0,1.00%,F,T)



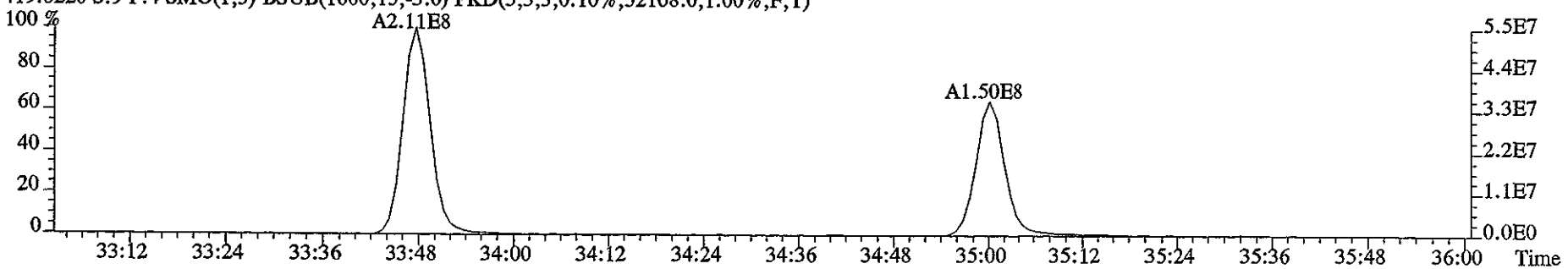
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30272.0,1.00%,F,T)



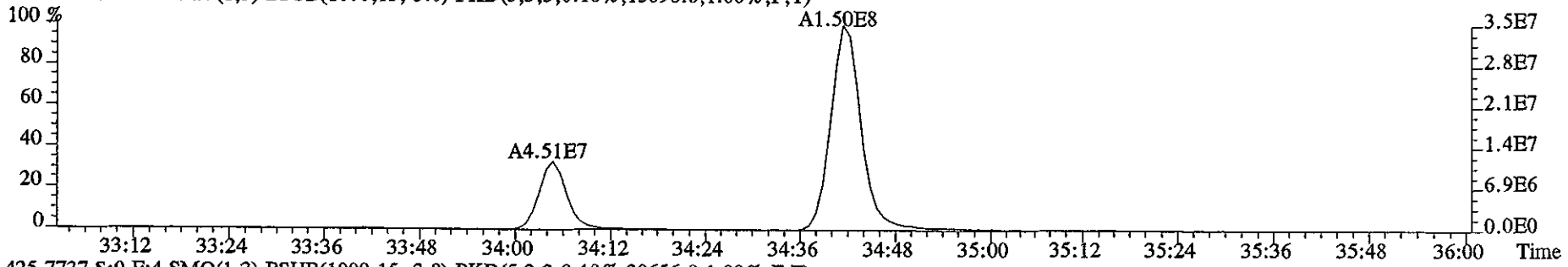
417.8253 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35320.0,1.00%,F,T)

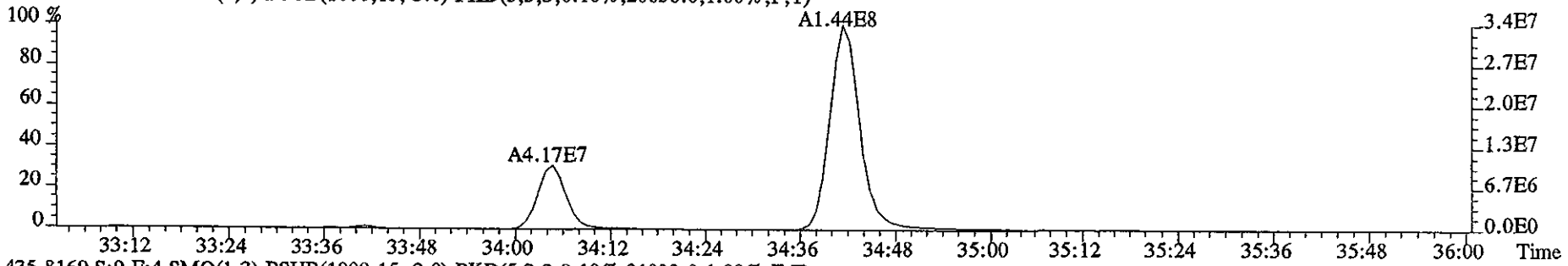


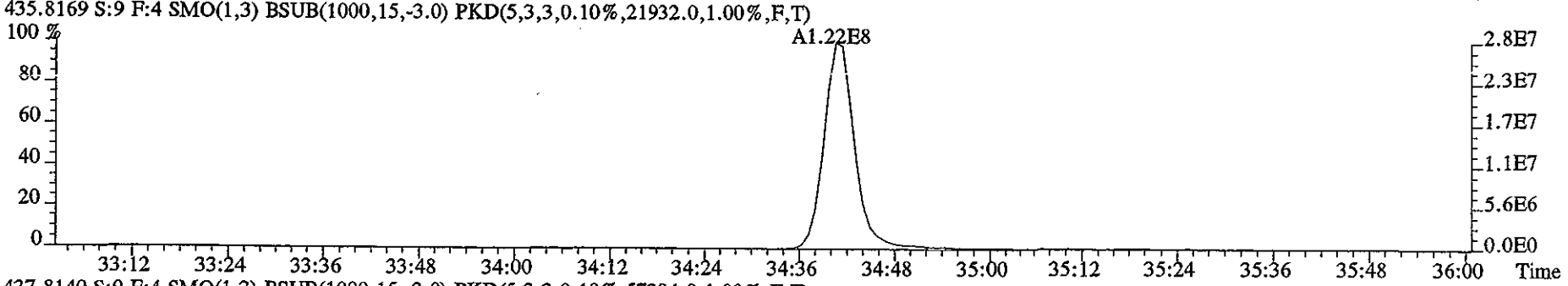
419.8220 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52108.0,1.00%,F,T)

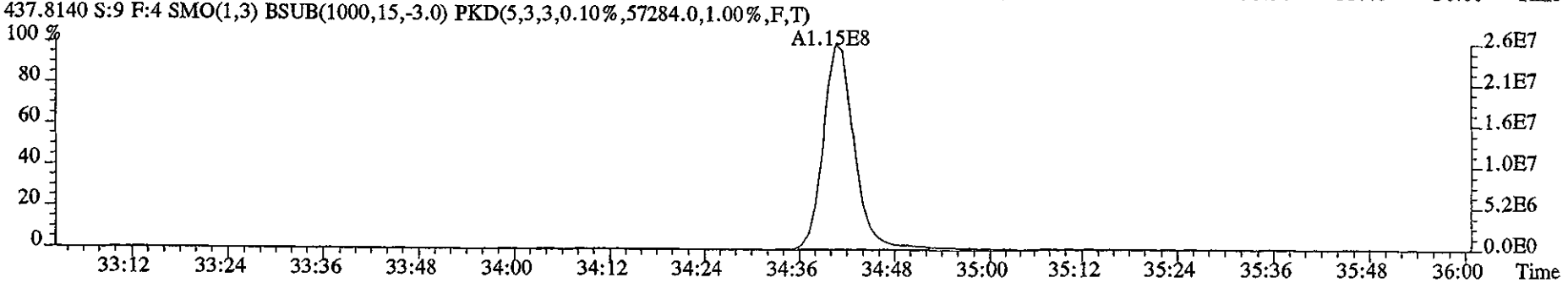


File:29AP101D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES

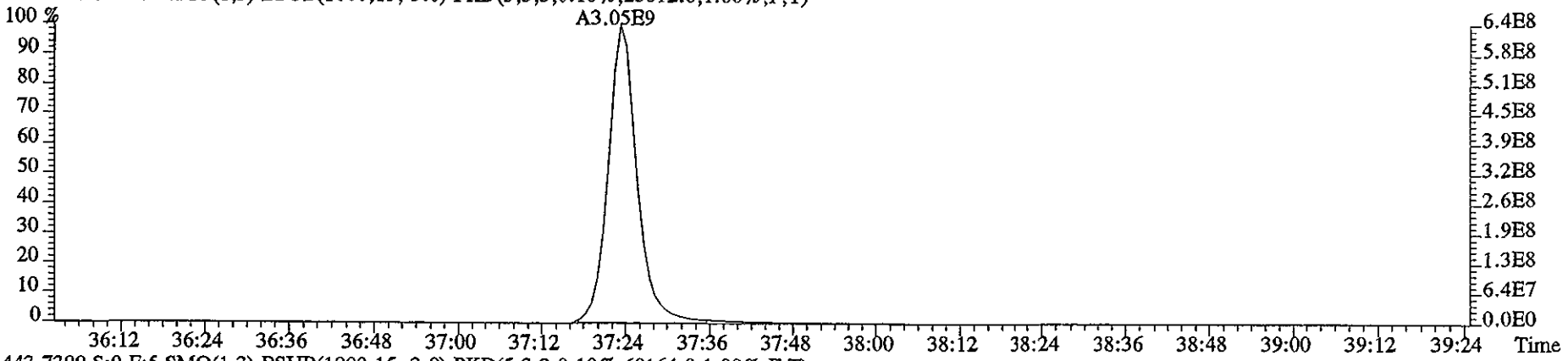




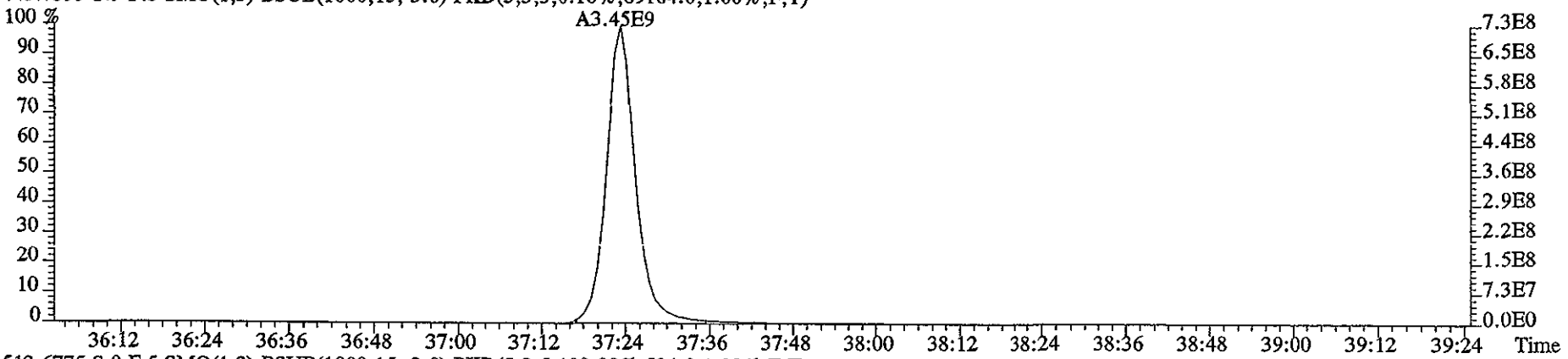




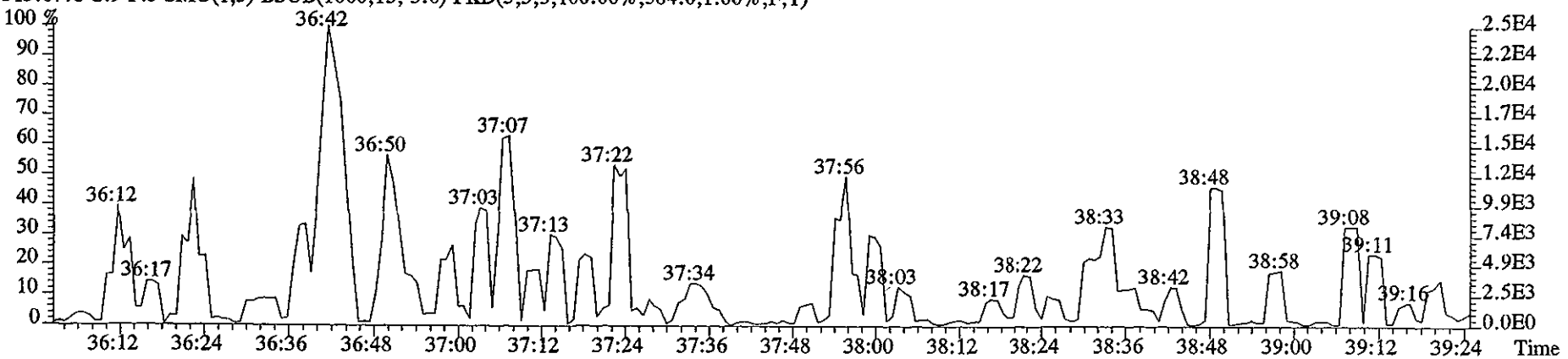
File:29AP101D5 #1-244 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25012.0,1.00%,F,T)



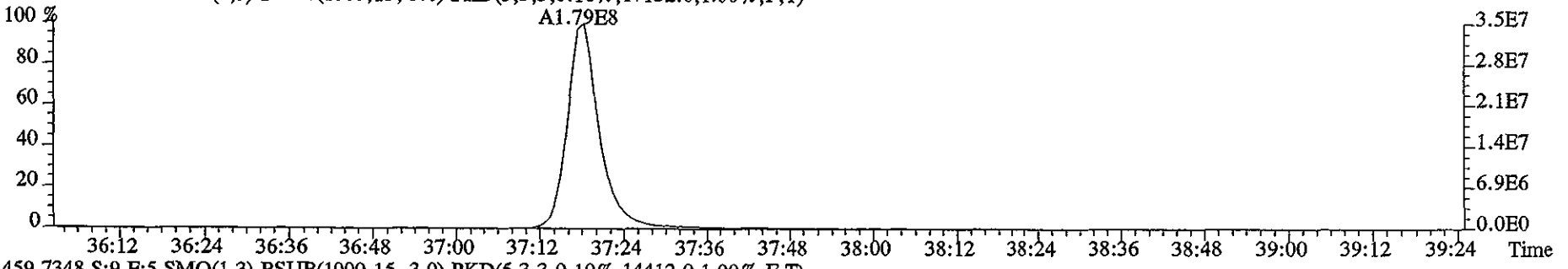
443.7399 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,69164.0,1.00%,F,T)



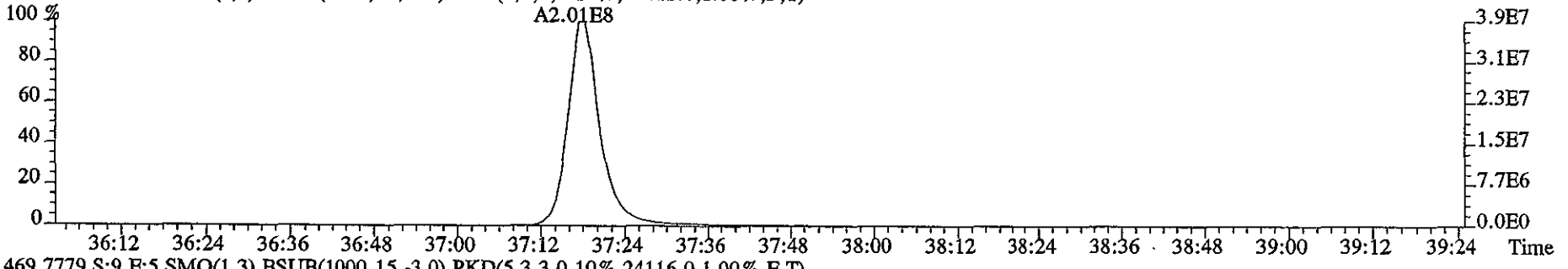
513.6775 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,584.0,1.00%,F,T)



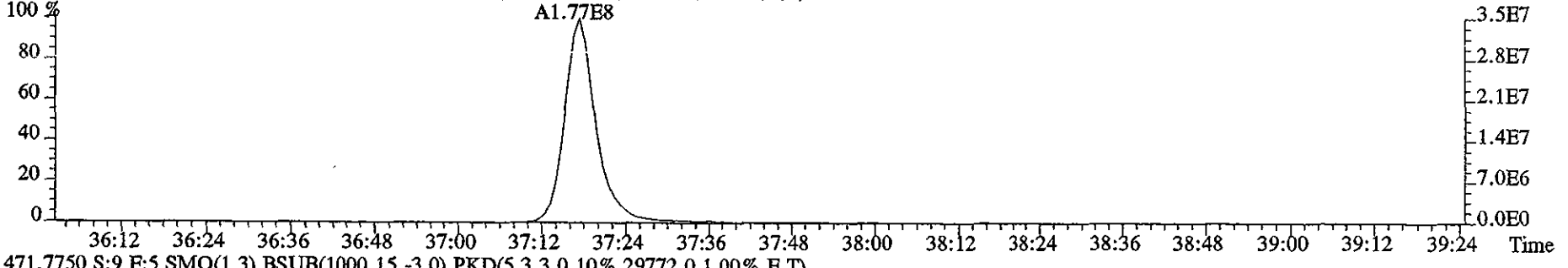
File:29AP101D5 #1-244 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
457.7377 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17132.0,1.00%,F,T)



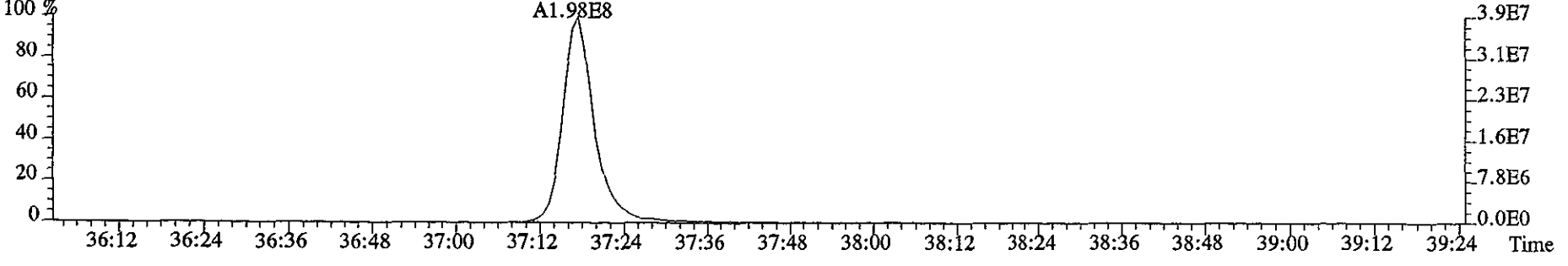
459.7348 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14412.0,1.00%,F,T)



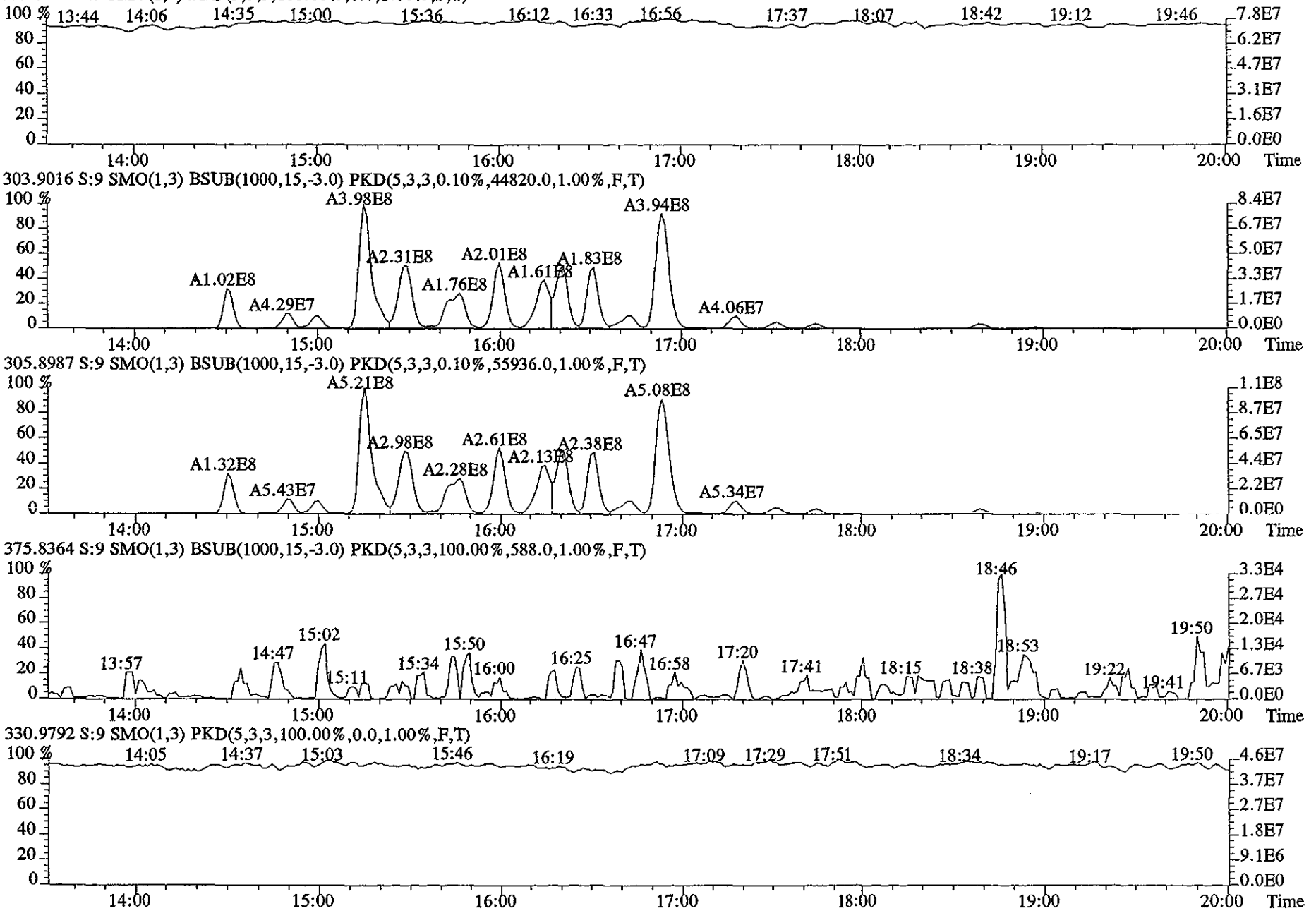
469.7779 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24116.0,1.00%,F,T)



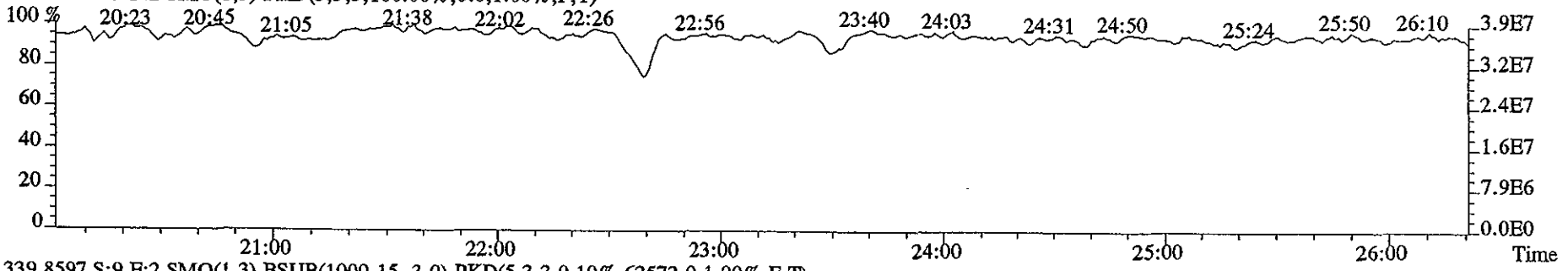
471.7750 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29772.0,1.00%,F,T)



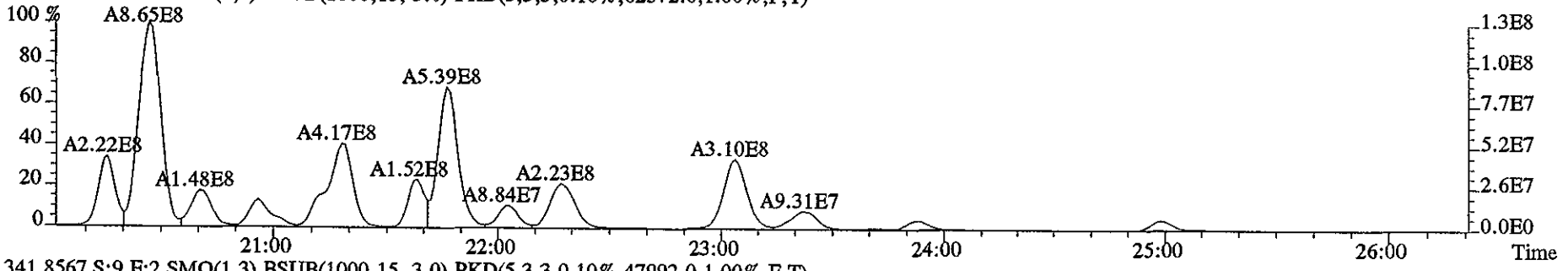
File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES



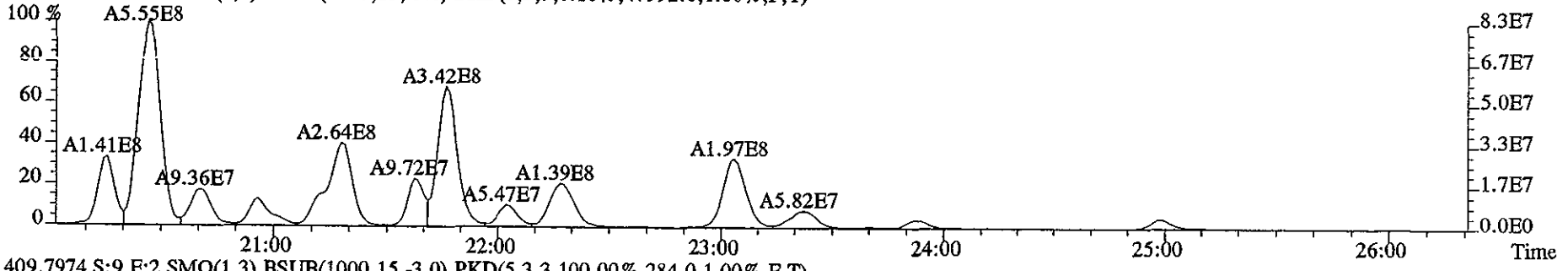
File:29AP101D5 #1-445 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
342.9792 S:9 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



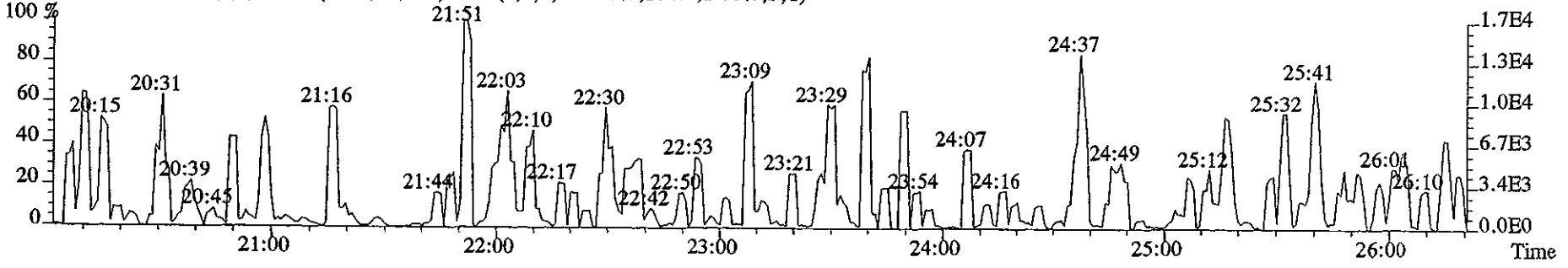
339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62572.0,1.00%,F,T)



341.8567 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,47992.0,1.00%,F,T)

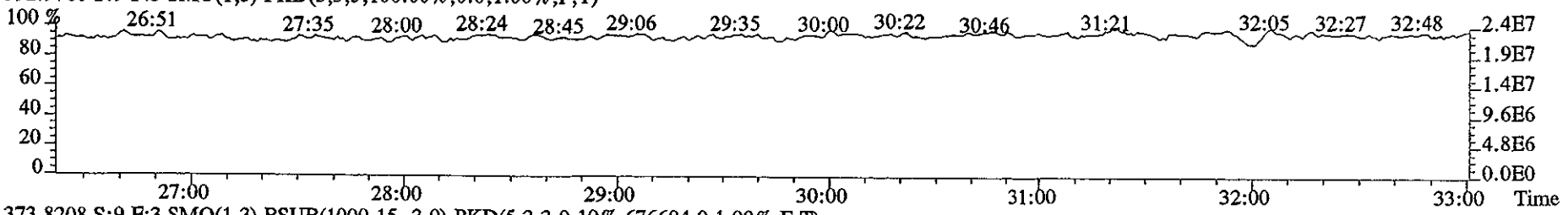


409.7974 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,284.0,1.00%,F,T)

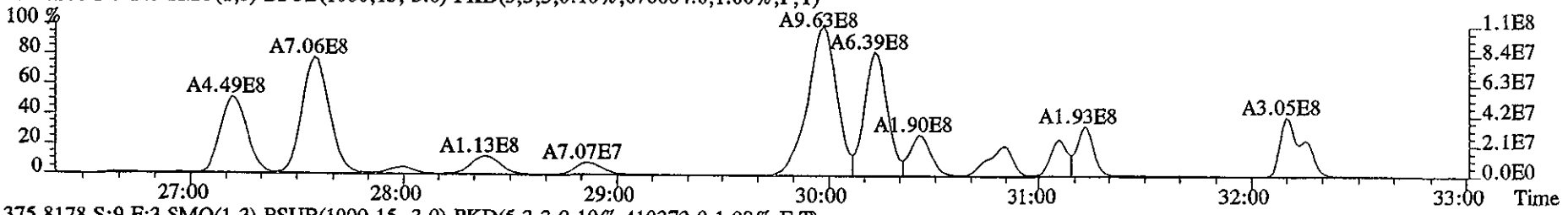


File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES

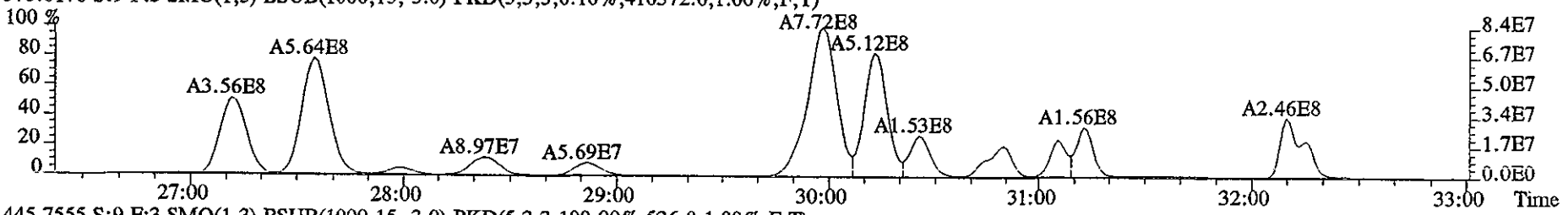
392.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



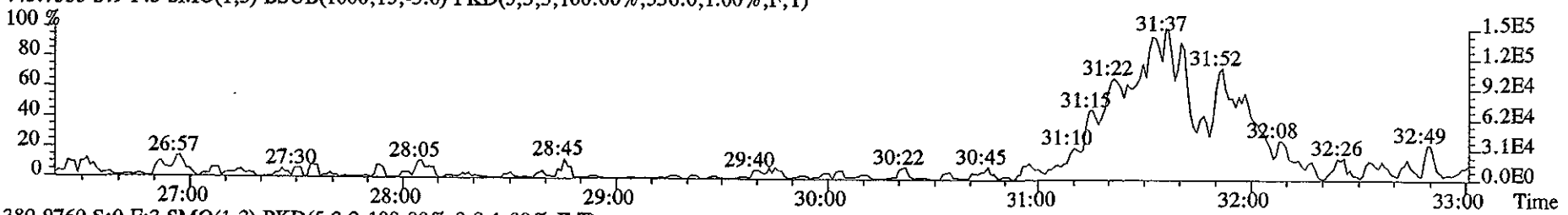
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676604.0,1.00%,F,T)



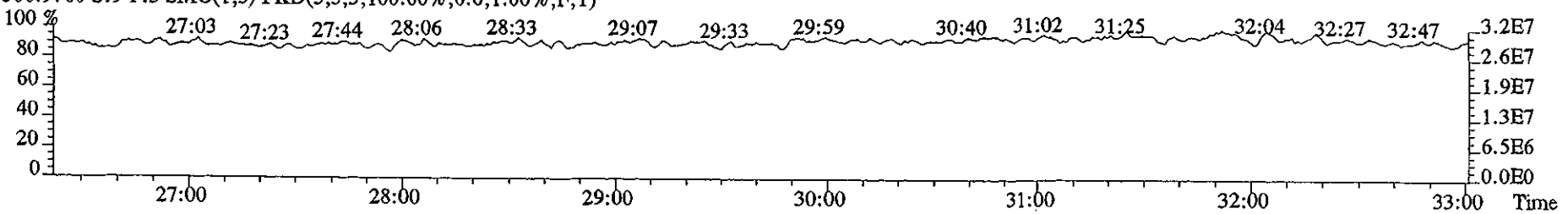
375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,410372.0,1.00%,F,T)



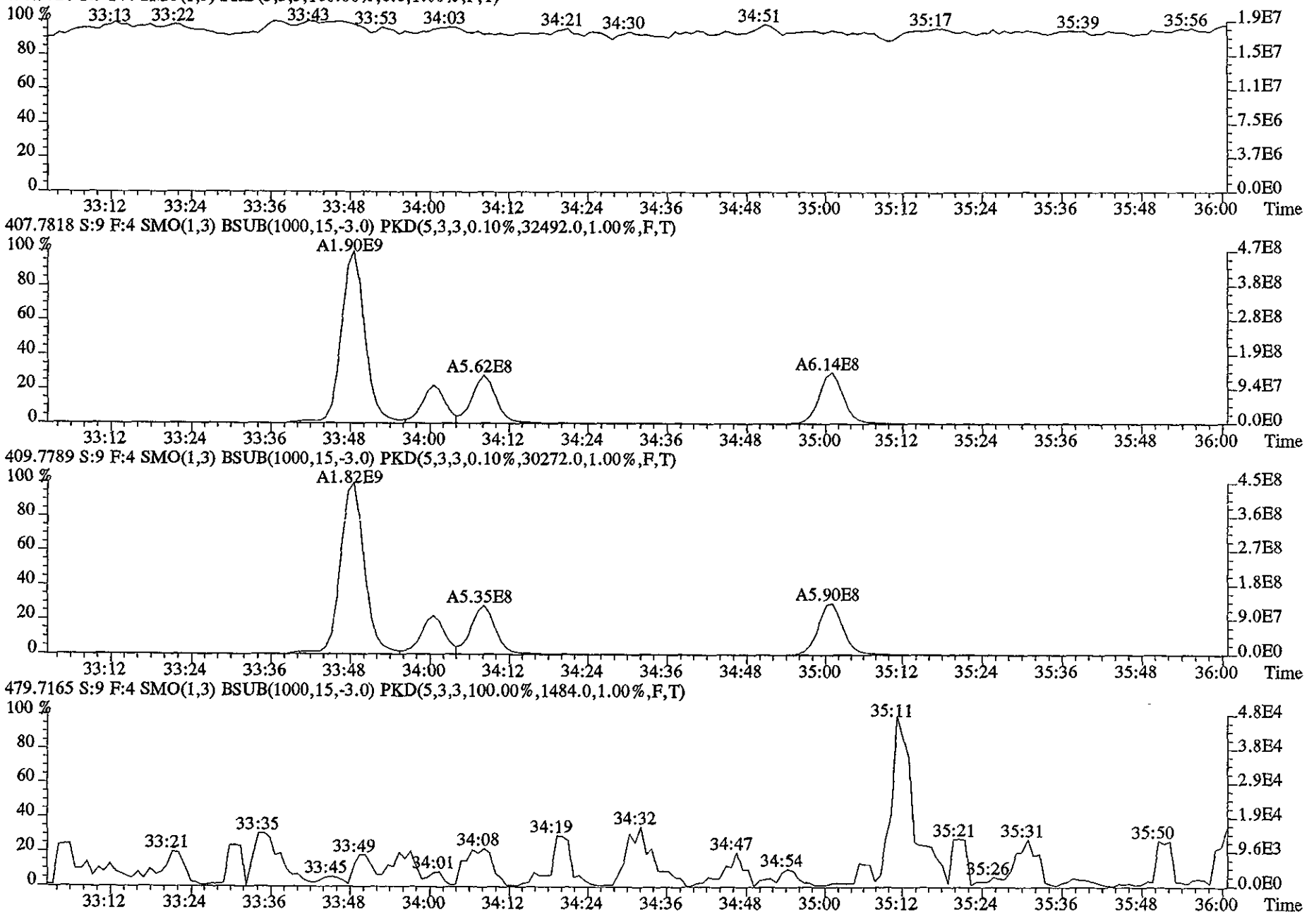
445.7555 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,536.0,1.00%,F,T)



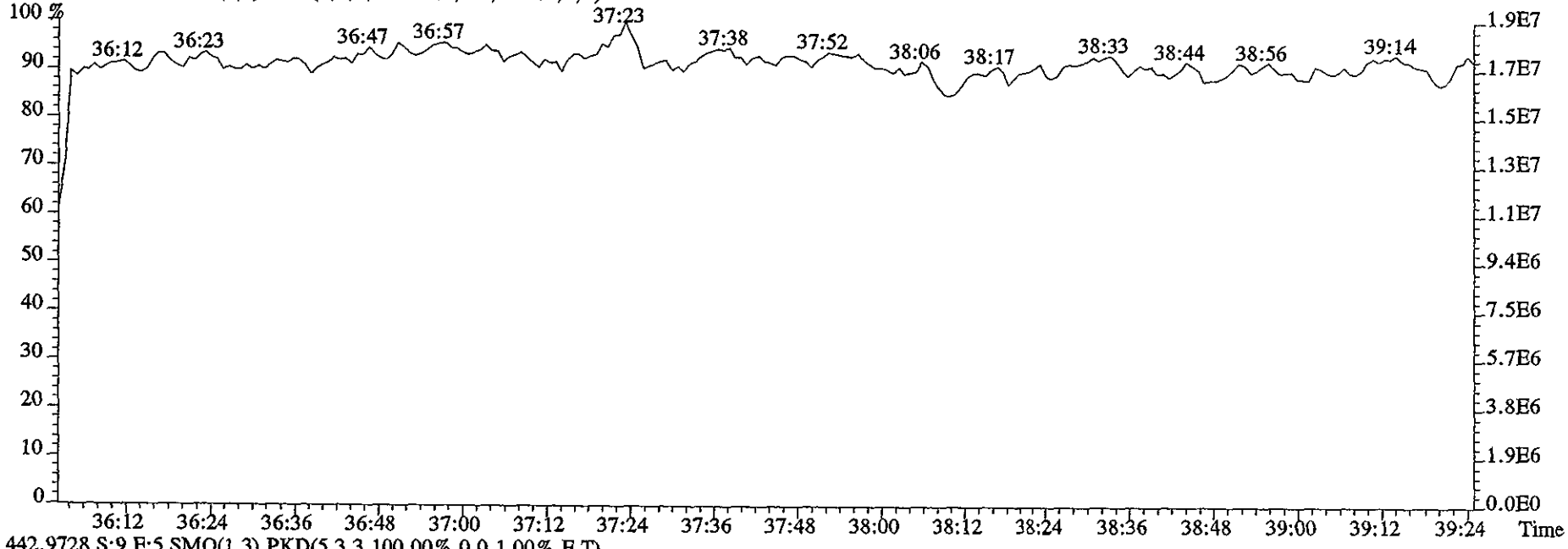
380.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



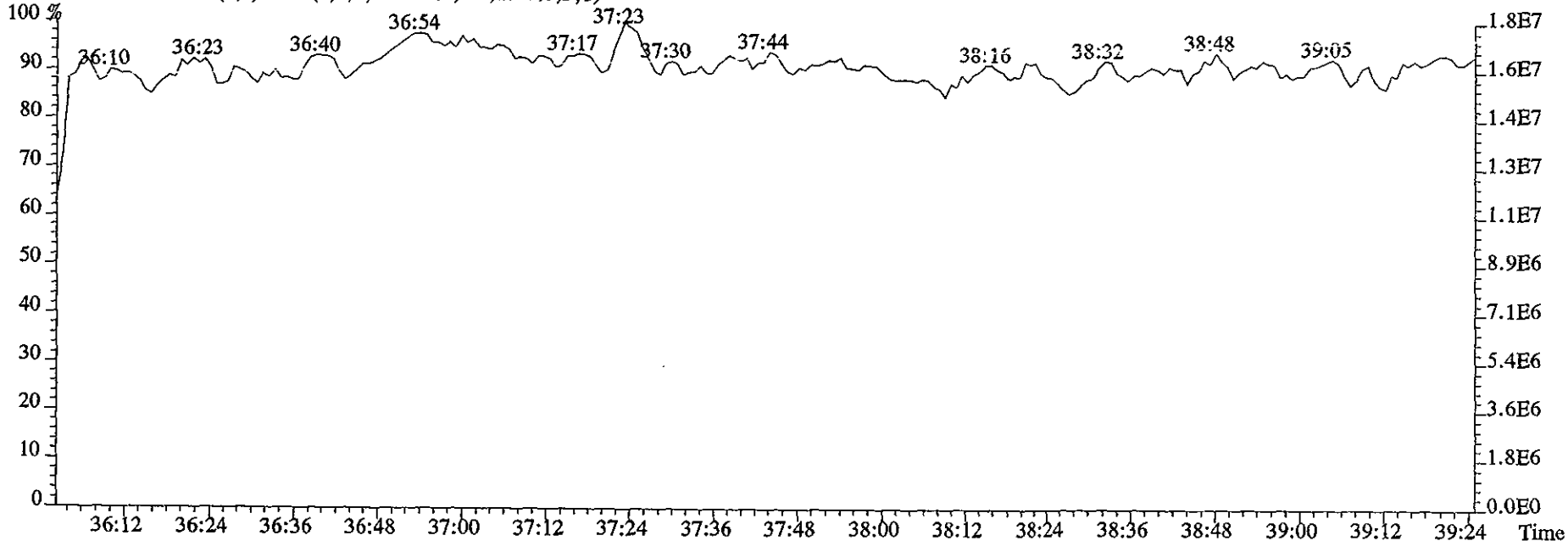
File:29AP101D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES



File:29AP101D5 #1-244 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

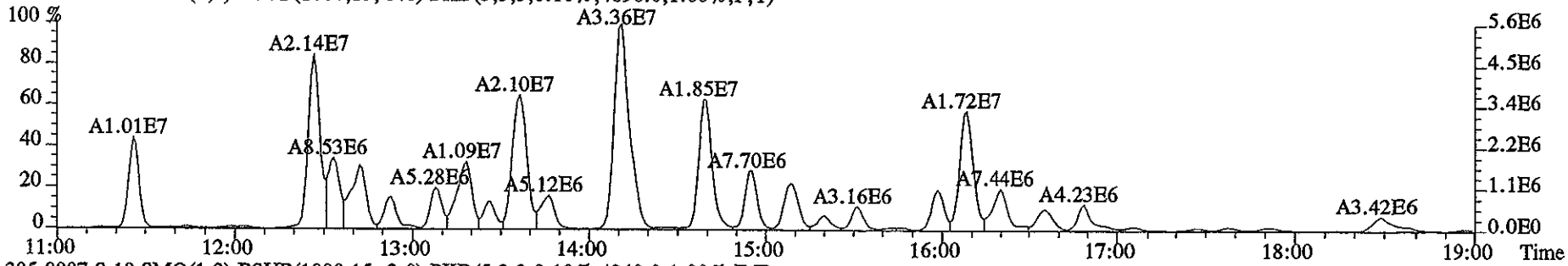


Run text: LX0PR-1-AG Sample text: LX0PR-1-AG :G0D140543-10D
Run #21 Filename: 01MY10A5D2 S: 18 I: 1 Results: 01MY10A5D2DB225
Acquired: 2-MAY-10 06:09:15 Processed: 3-MAY-10 09:37:30
Run: 01MY10A5D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.12 g

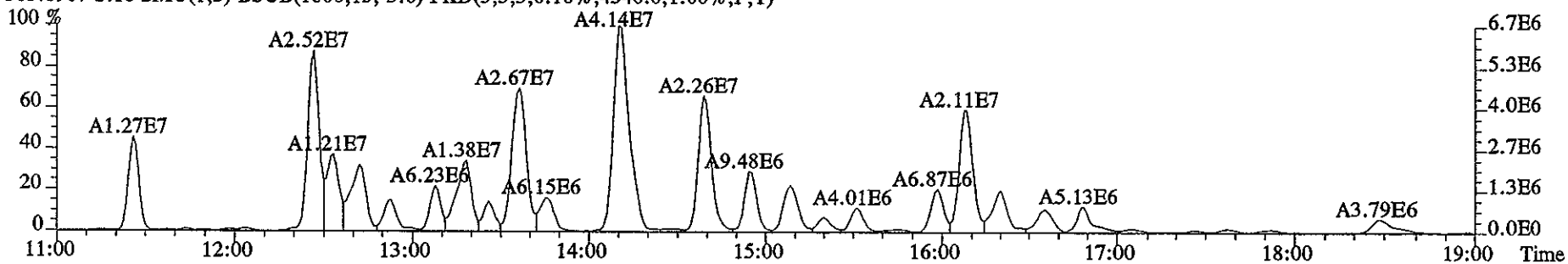
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	14759930	0.80 y	14:55	-	1.466	-	-	n
13C-2,3,7,8-TCDF	39205500	0.80 y	16:07	2.11	124.613	1.003	63.1	n
2,3,7,8-TCDF	38236400	0.81 y	16:08	1.09	177.080	0.658	-	n
13C-2,3,7,8-TCDD	18768970	0.76 y	14:44	0.95	132.481	1.503	67.0	n
2,3,7,8-TCDD	3969880	0.81 y	14:45	1.36	30.798	0.791	-	n
37Cl-2,3,7,8-TCDD	19631640	1.00 y	14:45	2.28	57.692	0.055	73.0	n

AK 5/4/10

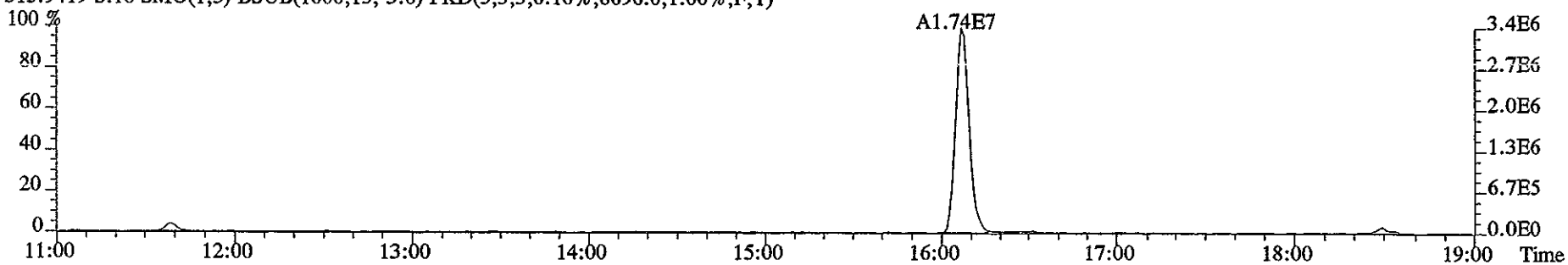
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI+ Voltage SIR 70SE
Sample#18 Text:LX0PR-1-AG :G0D140543-10D Exp:DB225RES
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4696.0,1.00%,F,T)



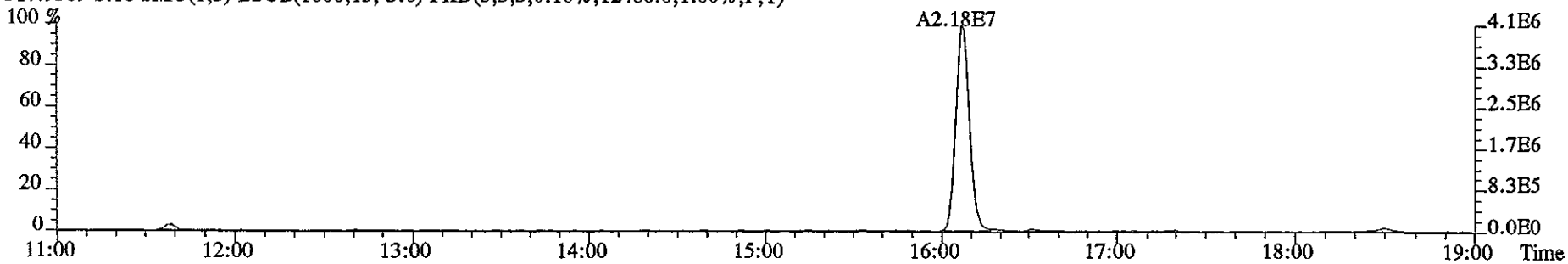
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



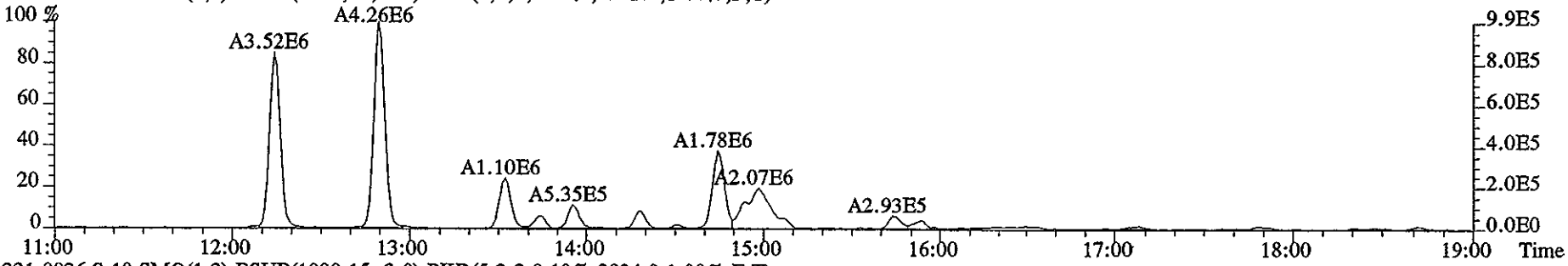
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8696.0,1.00%,F,T)



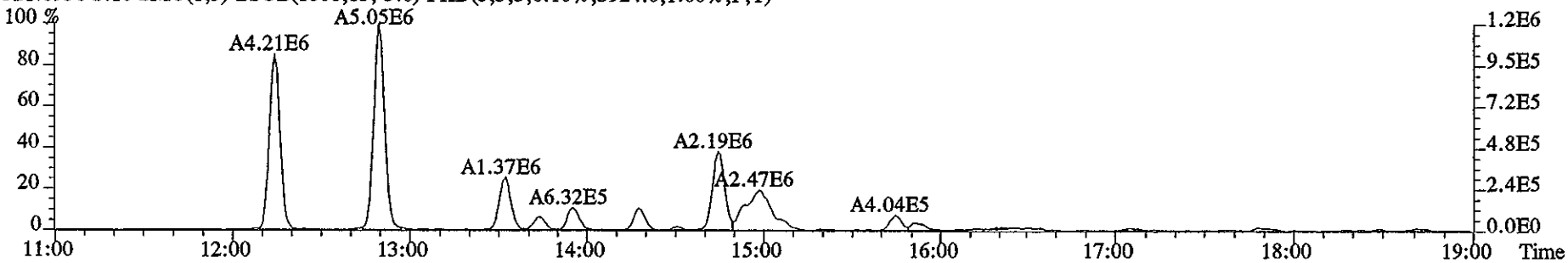
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12480.0,1.00%,F,T)



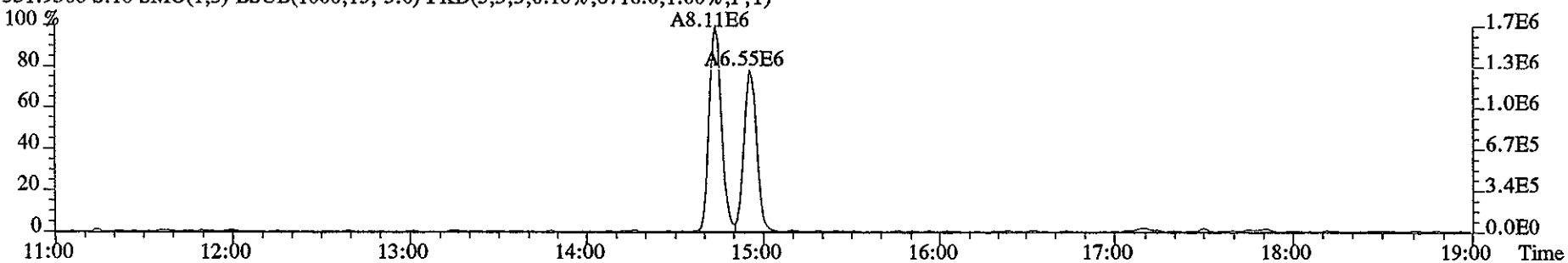
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI+ Voltage SIR 70SE
Sample#18 Text:LX0PR-1-AG :G0D140543-10D Exp:DB225RES
319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



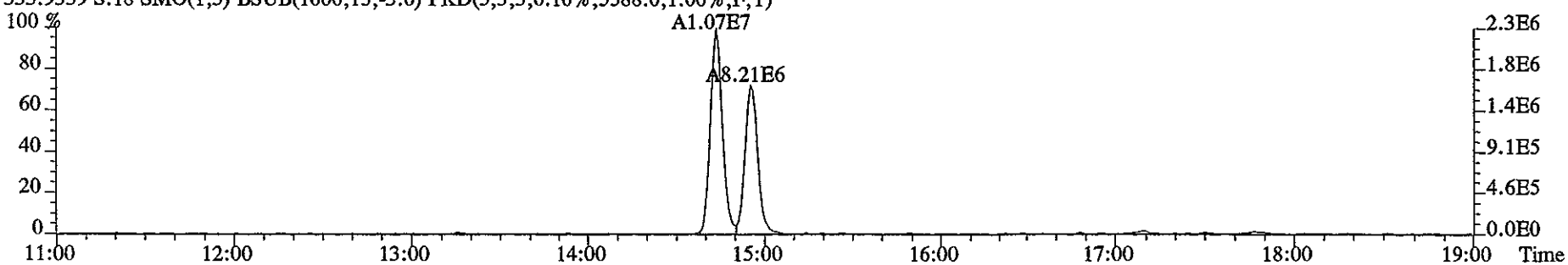
321.8936 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3924.0,1.00%,F,T)



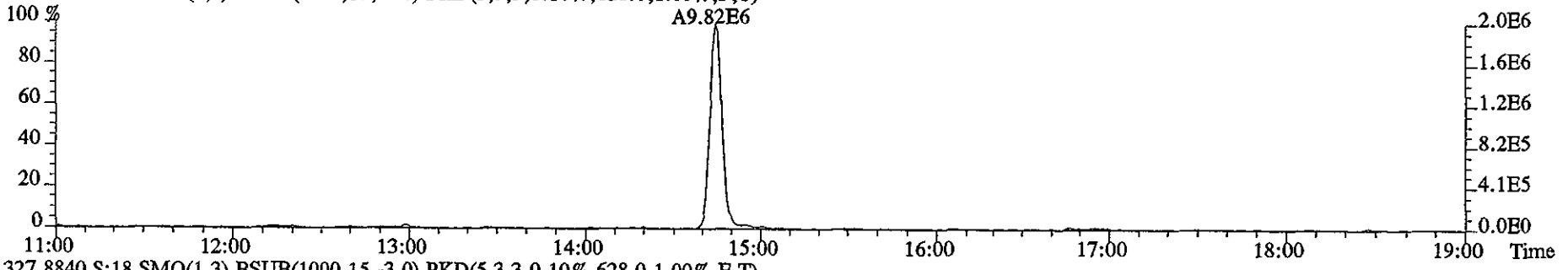
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8716.0,1.00%,F,T)



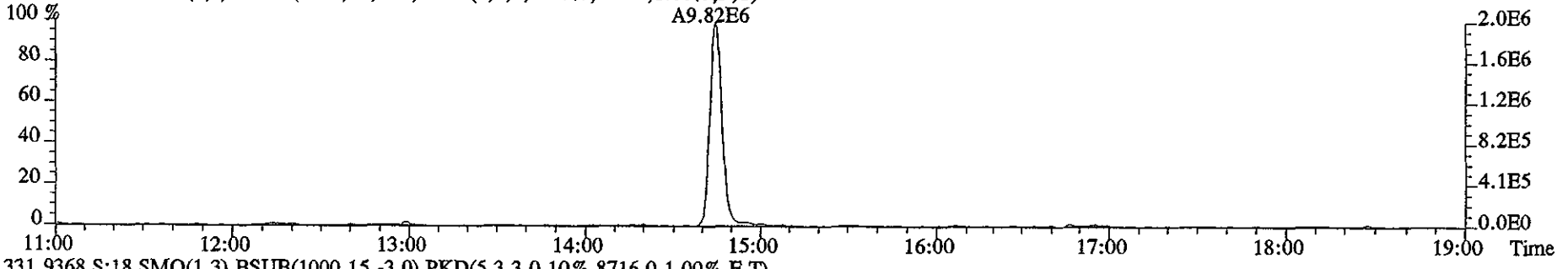
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5588.0,1.00%,F,T)



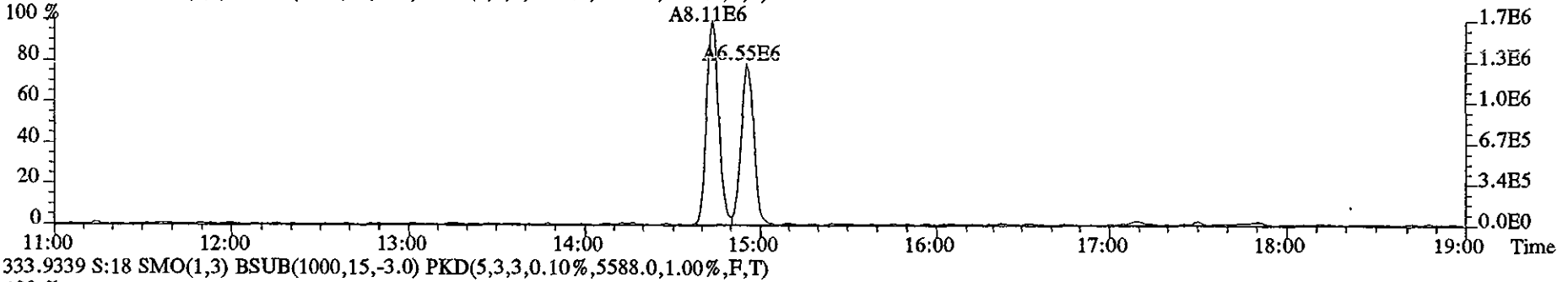
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI+ Voltage SIR 70SE
Sample#18 Text:LX0PR-1-AG :G0D140543-10D Exp:DB225RES
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628.0,1.00%,F,T)



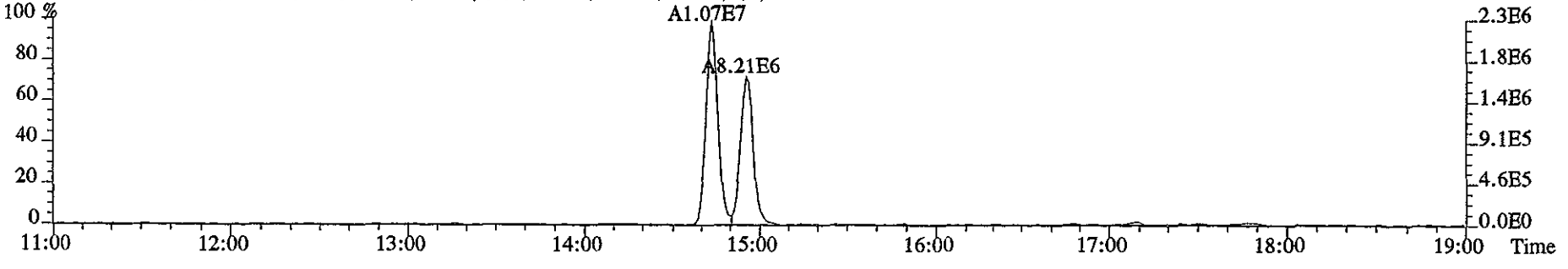
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628.0,1.00%,F,T)



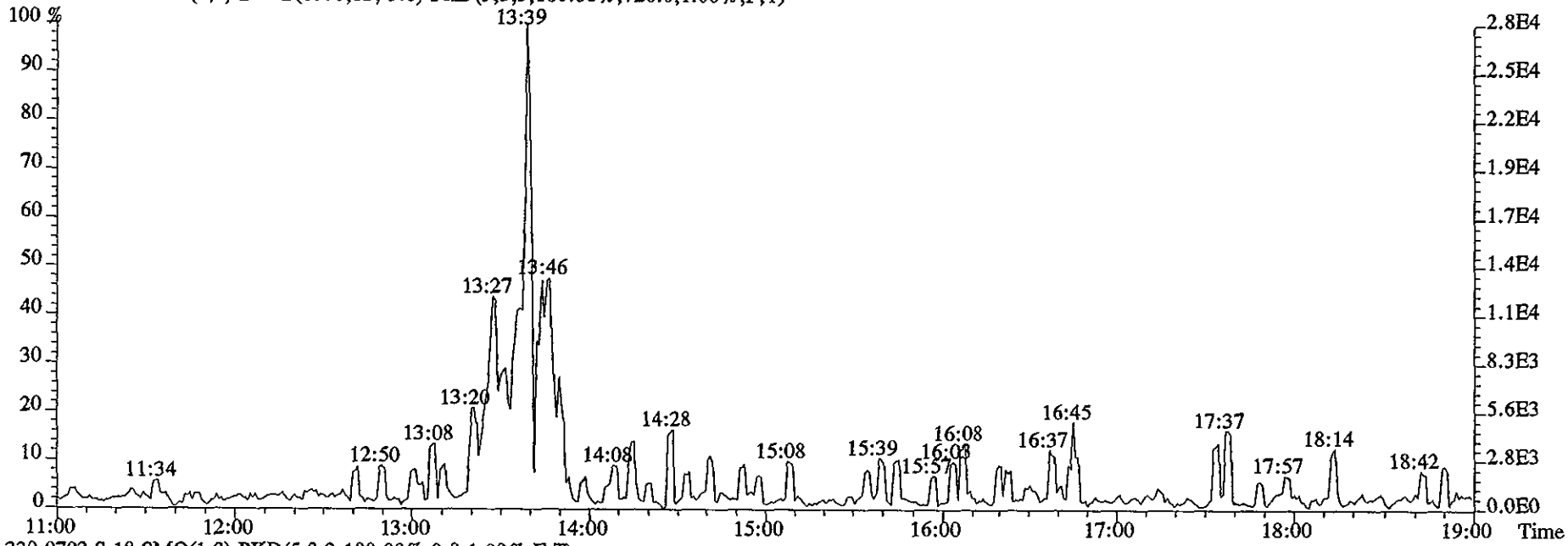
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8716.0,1.00%,F,T)



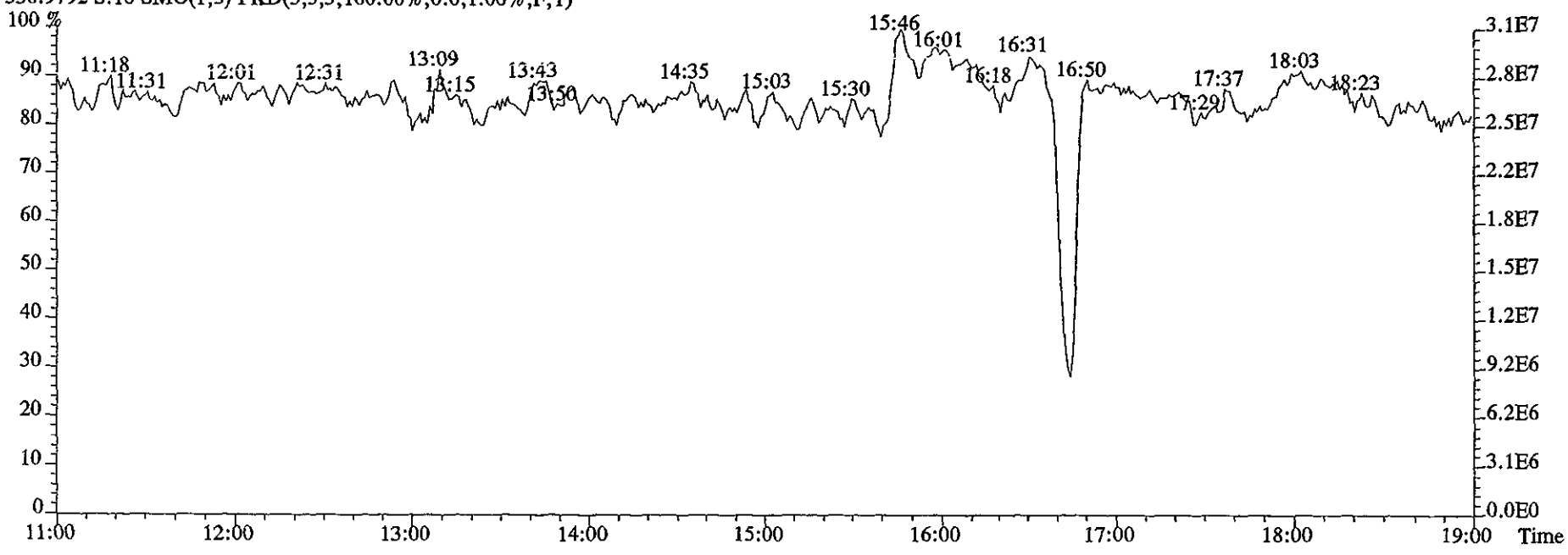
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5588.0,1.00%,F,T)



File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 06:09:15 GC EI+ Voltage SIR 70SE
Sample#18 Text:LX0PR-1-AG :G0D140543-10D Exp:DB225RES
375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,720.0,1.00%,F,T)



330.9792 S:18 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290 **Associated ICAL** 8290122109105

Column ID DB5 **Instrument ID** 105

STD ID ST0429, ST0429A **STD Solution** 100XN111

Analyzed by M.G. **Date Analyzed** 4/29/10

Std. Pkg. By M.G. **Date Std. Pkg. Assembled** 4/30/10

Std. Pkg. Reviewed By MG **Date Std. Pkg. Reviewed** 4/30/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (for 1613B only)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0429 File text: ST0429 :CS3 10DXN111
Run #6 Filename 29AP101D5 S: 1 I: 1
Acquired: 29-APR-10 09:36:17 Processed: 29-APR-10 22:33:58
Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5 Results: 29AP101D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	217647300	0.81 y	17:27	-	100.00	-	n
13C-2,3,7,8-TCDF	354941000	0.79 y	16:58	1.63	100.00	4.1	n
2,3,7,8-TCDF	32494800	0.81 y	16:59	0.92	10.00	6.5	n
Total TCDF	32769127	1.02 n	16:36	0.92	10.00	6.5	n
13C-2,3,7,8-TCDD	210132800	0.82 y	17:39	0.97	100.00	-2.8	n
2,3,7,8-TCDD	19803740	0.69 y	17:40	0.94	10.00	0.9	n
Total TCDD	20249670	1.83 n	14:37	0.94	10.00	0.9	n
37Cl-2,3,7,8-TCDD	47717000	1.00 y	17:40	2.19	10.00	-1.2	n
13C-1,2,3,7,8-PeCDF	251808500	1.66 y	21:52	1.16	100.00	7.8	n
1,2,3,7,8-PeCDF	131772000	1.60 y	21:54	1.05	50.00	4.7	n
2,3,4,7,8-PeCDF	129759700	1.63 y	23:12	1.03	50.00	9.8	n
Total F2 PeCDF	262648318	2.94 n	20:35	1.04	100.00	7.1	n
Total F1 PeCDF	427303	0.63 n	15:08	1.04	100.00	7.1	n
13C-1,2,3,7,8-PeCDD	146093600	1.70 y	23:54	0.67	100.00	0.7	n
1,2,3,7,8-PeCDD	78101900	1.63 y	23:56	1.07	50.00	15.1	n
Total PeCDD	78384141	1.63 y	23:56	1.07	50.00	15.1	n
13C-1,2,3,7,8,9-HxCDD	130951900	1.31 y	32:00	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	139053700	0.50 y	30:05	1.06	100.00	18.9	n
1,2,3,4,7,8-HxCDF	87031300	1.27 y	30:07	1.25	50.00	4.4	n
1,2,3,6,7,8-HxCDF	107229100	1.27 y	30:20	1.54	50.00	12.5	n
2,3,4,6,7,8-HxCDF	94003500	1.28 y	31:18	1.35	50.00	8.9	n
1,2,3,7,8,9-HxCDF	81124900	1.27 y	32:14	1.17	50.00	-12.0	n
Total HxCDF	369638537	1.27 y	30:07	1.33	200.00	3.4	n
13C-1,2,3,6,7,8-HxCDD	123685000	1.19 y	31:37	0.94	100.00	29.0	n
1,2,3,4,7,8-HxCDD	55005800	1.42 y	31:31	0.89	50.00	-8.3	n
1,2,3,6,7,8-HxCDD	75125900	1.19 y	31:39	1.21	50.00	14.8	n
1,2,3,7,8,9-HxCDD	70047400	1.31 y	32:01	1.13	50.00	-11.2	n
Total HxCDD	200179100	1.42 y	31:31	1.08	150.00	-2.0	n
13C-1,2,3,4,6,7,8-HpCDF	112957200	0.42 y	33:51	0.86	100.00	0.3	n
1,2,3,4,6,7,8-HpCDF	75763300	1.03 y	33:52	1.34	50.00	4.3	n
1,2,3,4,7,8,9-HpCDF	57987200	1.03 y	35:04	1.03	50.00	-9.6	n
Total HpCDF	134482785	1.03 y	33:52	1.18	100.00	-2.2	n
13C-1,2,3,4,6,7,8-HpCDD	95283400	1.12 y	34:44	0.73	100.00	-3.3	n
1,2,3,4,6,7,8-HpCDD	49978600	1.10 y	34:45	1.05	50.00	5.1	n
Total HpCDD	50191548	0.76 n	33:14	1.05	50.00	5.1	n
13C-OCDD	107137000	0.93 y	37:21	0.41	200.00	-27.5	n
OCDF	78059400	0.87 y	37:27	1.46	100.00	1.4	n
OCDD	65116000	0.87 y	37:22	1.22	100.00	9.6	n

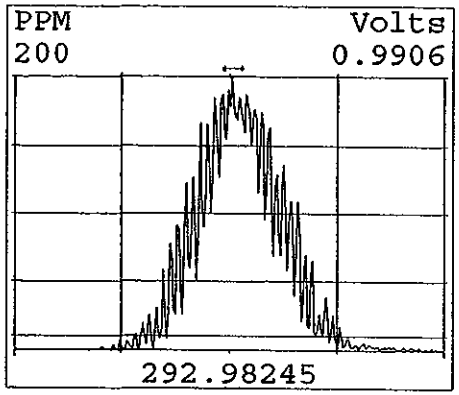
Run text: ST0429A File text: ST0429A :CS3 10DXN111
Run #18 Filename 29AP101D5 S: 18 I: 1
Acquired: 29-APR-10 22:01:32 Processed: 29-APR-10 22:45:01
Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5 Results: 29AP101D58290

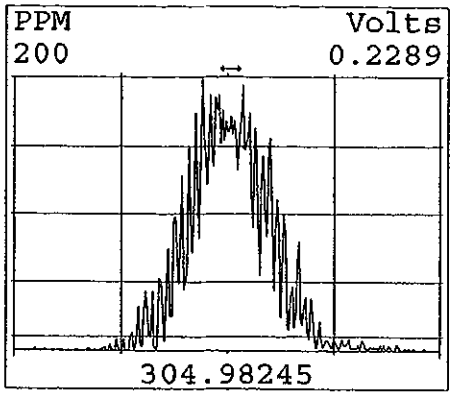
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	203474400	0.83	y	17:22	-	100.00	-	n
13C-2,3,7,8-TCDF	324040000	0.79	y	16:52	1.59	100.00	1.7	n
2,3,7,8-TCDF	29026300	0.76	y	16:54	0.90	10.00	4.2	n
Total TCDF	29237105	0.92	n	15:02	0.90	10.00	4.2	n
13C-2,3,7,8-TCDD	214487400	0.80	y	17:33	1.05	100.00	6.1	n
2,3,7,8-TCDD	20745620	0.80	y	17:35	0.97	10.00	3.6	n
Total TCDD	20968921	1.05	n	16:51	0.97	10.00	3.6	n
37Cl-2,3,7,8-TCDD	47863200	1.00	y	17:35	2.35	10.00	6.1	n
13C-1,2,3,7,8-PeCDF	243216000	1.66	y	21:45	1.20	100.00	11.4	n
1,2,3,7,8-PeCDF	124384600	1.62	y	21:47	1.02	50.00	2.3	n
2,3,4,7,8-PeCDF	127062400	1.60	y	23:04	1.04	50.00	11.3	n
Total F2 PeCDF	252772867	2.05	n	20:28	1.03	100.00	6.7	n
Total F1 PeCDF	324365	0.45	n	13:43	1.03	100.00	6.7	n
13C-1,2,3,7,8-PeCDD	149171700	1.68	y	23:46	0.73	100.00	10.0	n
1,2,3,7,8-PeCDD	78357100	1.64	y	23:48	1.05	50.00	13.1	n
Total PeCDD	78357100	1.64	y	23:48	1.05	50.00	13.1	n
13C-1,2,3,7,8,9-HxCDD	168993400	1.33	y	31:57	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	167299000	0.50	y	29:59	0.99	100.00	10.9	n
1,2,3,4,7,8-HxCDF	100161600	1.28	y	30:00	1.20	50.00	-0.1	n
1,2,3,6,7,8-HxCDF	116244100	1.27	y	30:15	1.39	50.00	1.3	n
2,3,4,6,7,8-HxCDF	114765800	1.24	y	31:14	1.37	50.00	10.5	n
1,2,3,7,8,9-HxCDF	102747300	1.28	y	32:12	1.23	50.00	-7.4	n
Total HxCDF	433918800	1.28	y	30:00	1.30	200.00	1.0	n
13C-1,2,3,6,7,8-HxCDD	147872700	1.32	y	31:34	0.88	100.00	19.5	n
1,2,3,4,7,8-HxCDD	71699200	1.29	y	31:28	0.97	50.00	0.0	n
1,2,3,6,7,8-HxCDD	87712400	1.29	y	31:35	1.19	50.00	12.1	n
1,2,3,7,8,9-HxCDD	90749400	1.27	y	31:58	1.23	50.00	-3.8	n
Total HxCDD	250161000	1.29	y	31:28	1.13	150.00	2.4	n
13C-1,2,3,4,6,7,8-HpCDF	142587600	0.42	y	33:49	0.84	100.00	-1.9	n
1,2,3,4,6,7,8-HpCDF	93305800	1.06	y	33:49	1.31	50.00	1.7	n
1,2,3,4,7,8,9-HpCDF	84354000	1.06	y	35:02	1.18	50.00	4.2	n
Total HpCDF	177659800	1.06	y	33:49	1.25	100.00	2.9	n
13C-1,2,3,4,6,7,8-HpCDD	139087600	1.03	y	34:42	0.82	100.00	9.4	n
1,2,3,4,6,7,8-HpCDD	70517200	1.07	y	34:43	1.01	50.00	1.6	n
Total HpCDD	70872728	0.71	n	34:05	1.01	50.00	1.6	n
13C-OCDD	210507300	0.90	y	37:18	0.62	200.00	10.3	n
OCDF	136092100	0.90	y	37:25	1.29	100.00	-10.0	n
OCDD	119501000	0.87	y	37:19	1.14	100.00	2.3	n

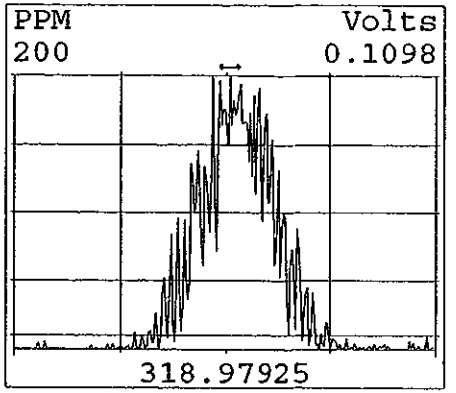
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
29AP101D5	1	ST0429	CS3 10DXN111				1.00000	
29AP101D5	2	CP0429	DB-5 CPSM 3732-05				1.00000	
29AP101D5	3	SB0429	Solvent Blank C-14				1.00000	
29AP101D5	4	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.05000	g
29AP101D5	5	L0N3A-1-AA	G0D280586-1	20	8290/SOLID	SCR2	0.02000	g
29AP101D5	6	L0N3E-1-AA	G0D280586-2	20	8290/SOLID		0.02024	g
29AP101D5	7	L0N3F-1-AA	G0D280586-3	20	8290/SOLID		0.02024	g
29AP101D5	8	LX0PR-1-AF	G0D140543-10MS	10	8290/SOLID	77	10.02000	g
29AP101D5	9	LX0PR-1-AG	G0D140543-10SD	10	8290/SOLID		10.12000	g
29AP101D5	10	LX295-1-AD	G0D160435-1	10	8290/SOLID		10.49000	g
29AP101D5	11	LX299-1-AD	G0D160435-3	10	8290/SOLID		10.02000	g
29AP101D5	12	LX3AC-1-AD	G0D160435-5	10	8290/SOLID		10.61000	g
29AP101D5	13	LX3AG-1-AD	G0D160435-9	10	8290/SOLID		10.10000	g
29AP101D5	14	LX3AL-1-AD	G0D160435-13	10	8290/SOLID		10.42000	g
29AP101D5	15	LX3AT-1-AC	G0D160435-19	10	8290/SOLID		10.46000	g
29AP101D5	16	L0E7B-1-AC	G0D160435-11LCS	10	8290/SOLID	80	10.00000	g
29AP101D5	17	SB0429A	Solvent Blank C-14				1.00000	
29AP101D5	18	ST0429A	CS3 10DXN111				1.00000	
29AP101D5	19	CP0429A	DB-5 CPSM 3732-05				1.00000	
29AP101D5	20	SB0429B	Solvent Blank C-14				1.00000	
29AP101D5	21	L0E7B-1-AA	G0D160435-11MB	10	8290/SOLID	80	10.00000	g
29AP101D5	22	LX3AJ-1-AD	G0D160435-11	10	8290/SOLID		10.70000	g
AP101D5	23	LX3AN-1-AC	G0D160435-15	10	8290/SOLID	79	10.00000	g
29AP101D5	24	LX17G-1-AA	G0D150538-1	20	8290/WATER	74	1.00120	L
29AP101D5	25	LX0PA-1-AA	G0D140540-1	20	8290/WATER		0.99020	L
29AP101D5	26	LX0N3-1-AA	G0D140538-1	20	8290/WATER		1.01800	L
29AP101D5	27	LX175-1-AA	G0D150548-1	20	8290/WATER		0.98210	L
29AP101D5	28	LX17V-1-AA	G0D150545-1	20	8290/WATER		0.97650	L
29AP101D5	29	LX18K-1-AA	G0D150551-1	20	8290/WATER		0.97000	L
29AP101D5	30	LX48E-1-AA	G0D160614-1	20	8290/SOLID	80	10.41000	g
29AP101D5	31	LX48F-1-AA	G0D160614-2	20	8290/SOLID		10.35000	g
29AP101D5	32	LX48G-1-AA	G0D160614-3	20	8290/SOLID		10.01000	g
29AP101D5	33	LX48H-1-AA	G0D160614-4	20	8290/SOLID		10.14000	g
29AP101D5	34	SB0429C	Solvent Blank C-14				1.00000	
29AP101D5	35	ST0429C	CS3 10DXN111				1.00000	
29AP101D5	36	ST0429D	CS3 10DXN111				1.00000	
29AP101D5	37						1.00000	
29AP101D5	38						1.00000	
29AP101D5	39						1.00000	
29AP101D5	40		MG 04/29/10				1.00000	

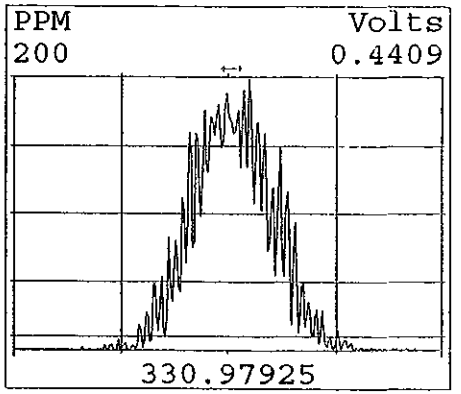
logff. le v'd
4/30/10
MG

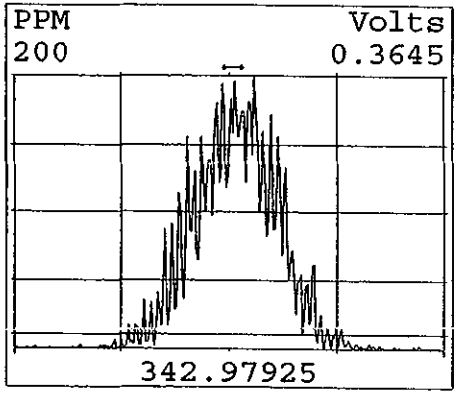
Peak Locate Examination:29-APR-2010:09:32 File:29AP101D5
Experiment:DIOXINRES Function:1 Reference:PFK

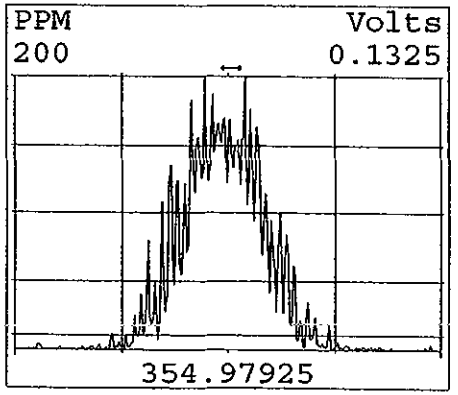


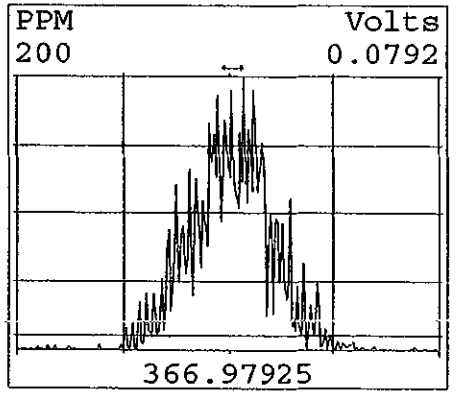


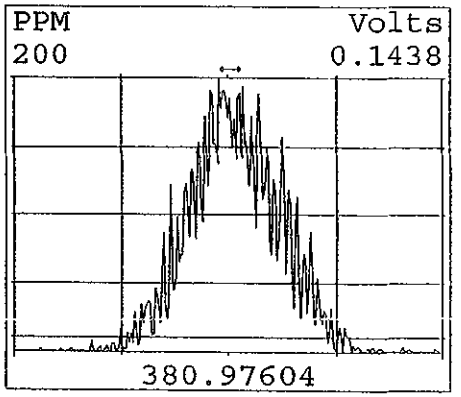


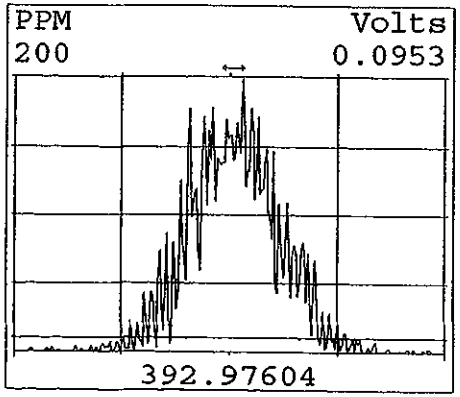


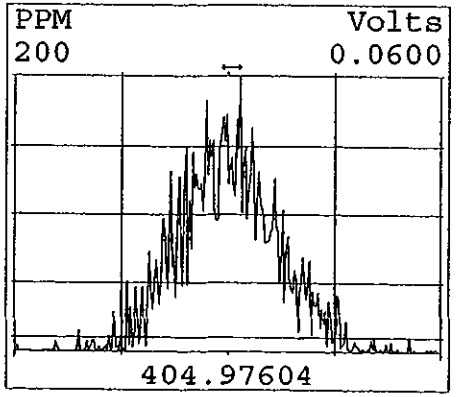


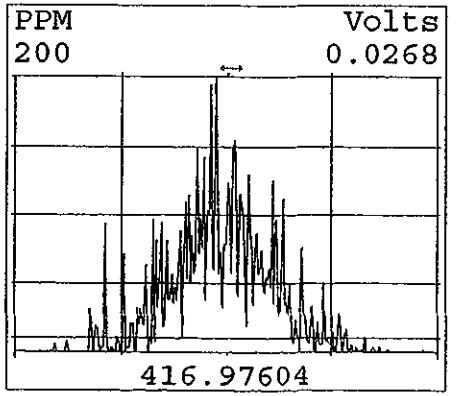




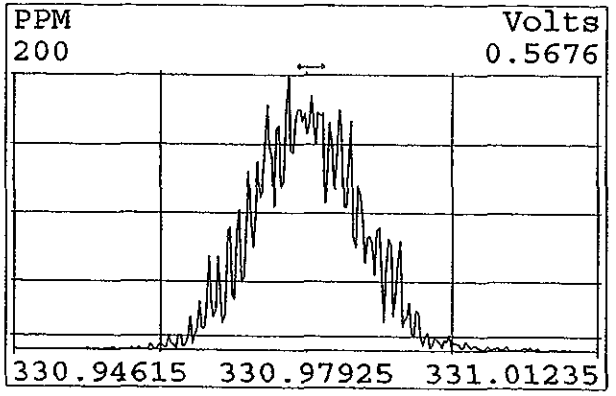


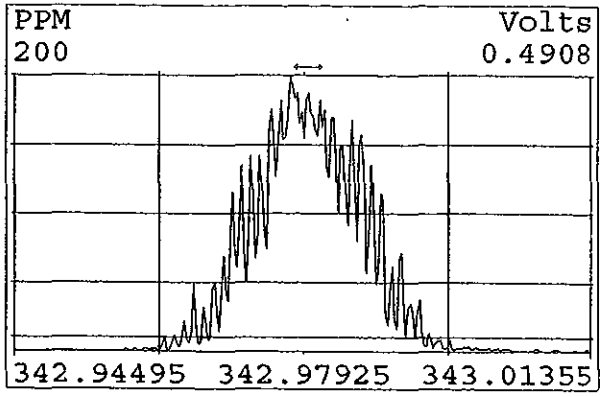


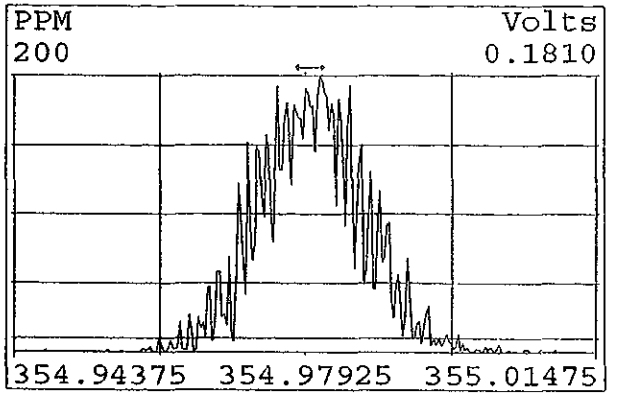


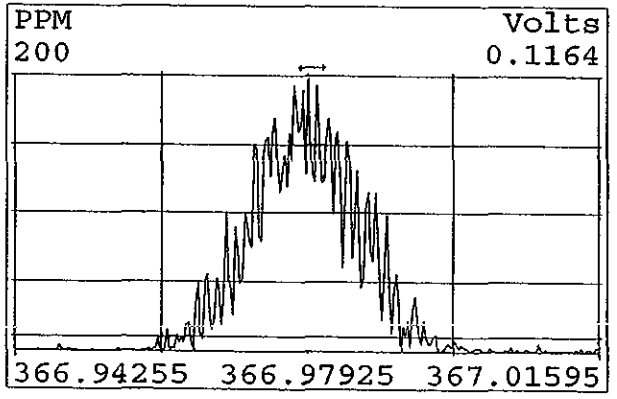


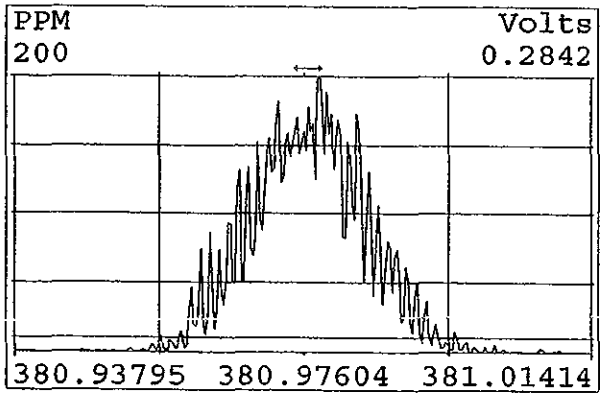
Peak Locate Examination:29-APR-2010:09:33 File:29AP101D5
Experiment:DIOXINRES Function:2 Reference:PFK

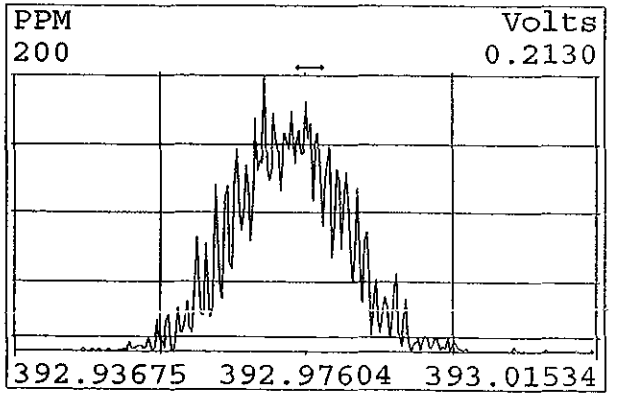


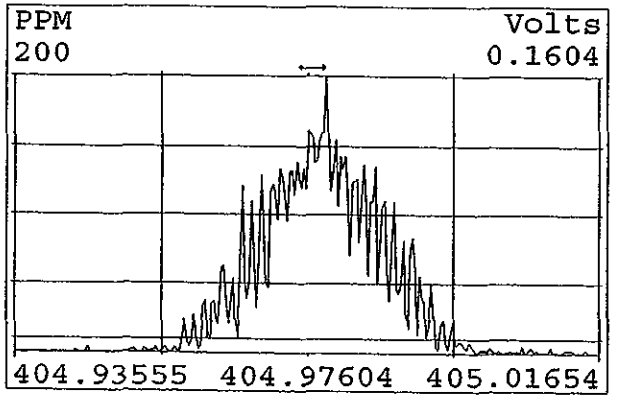


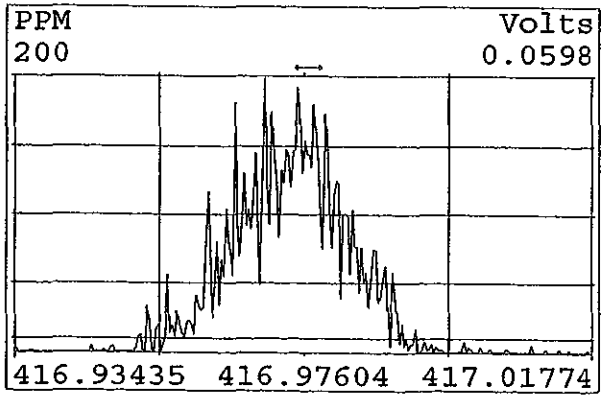




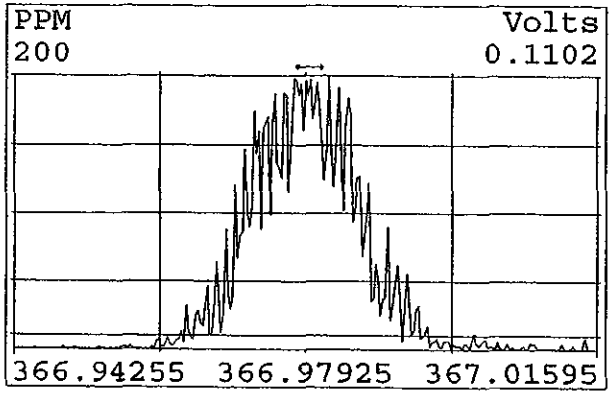


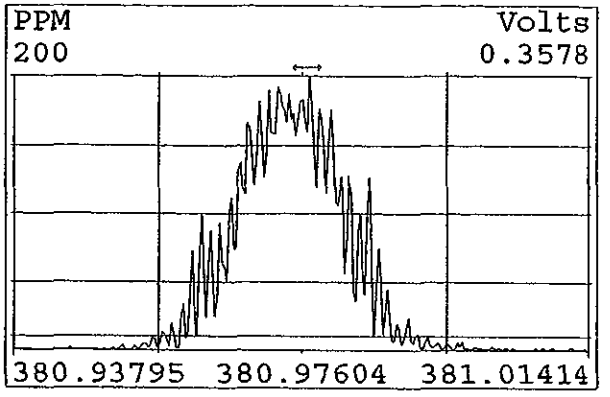


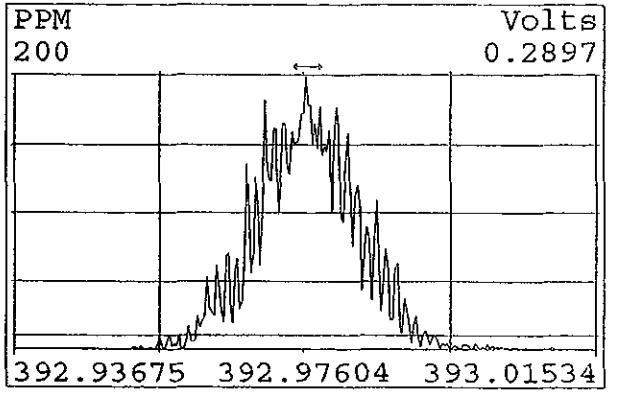


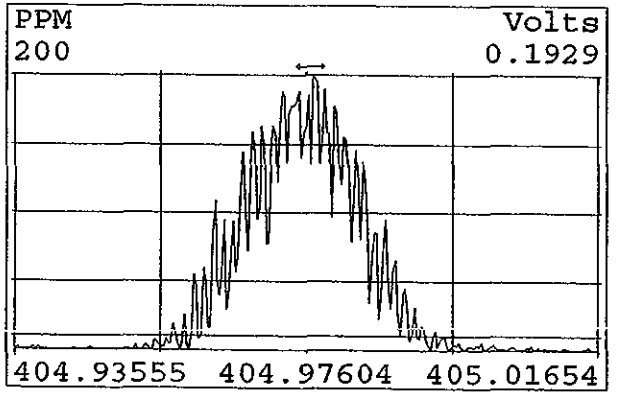


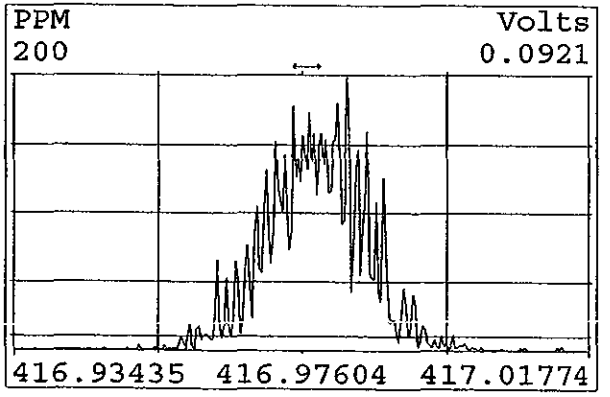
Peak Locate Examination:29-APR-2010:09:34 File:29AP101D5
Experiment:DIOXINRES Function:3 Reference:PFK

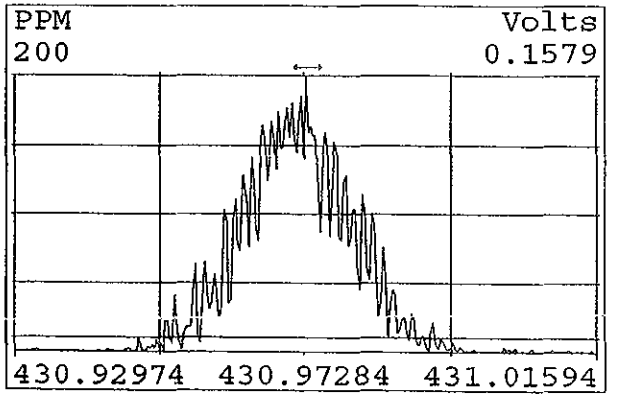


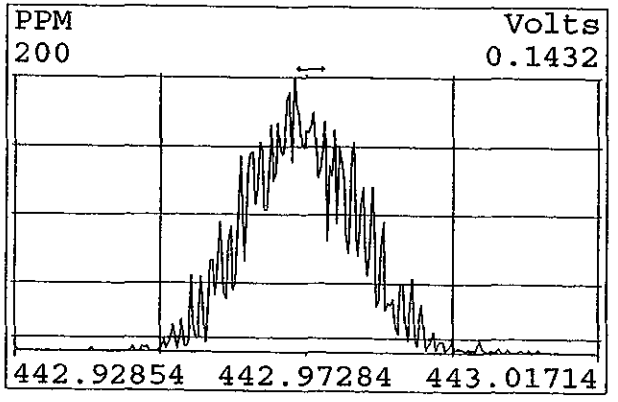


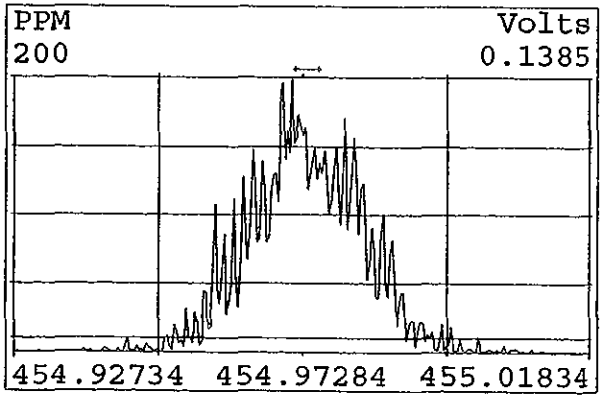




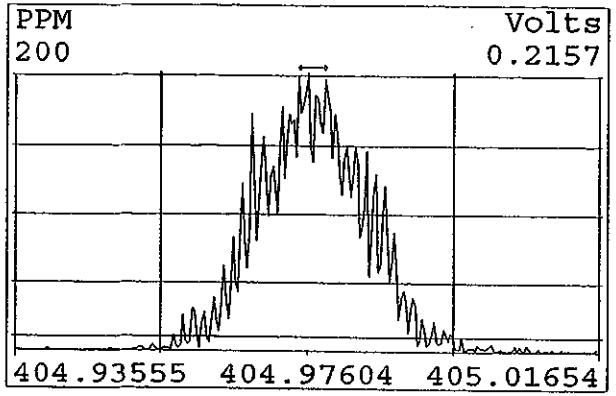


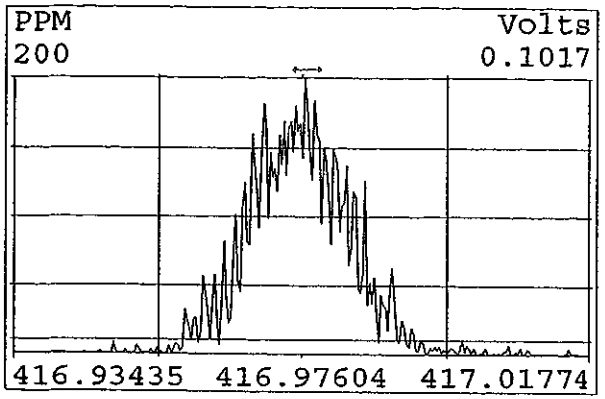


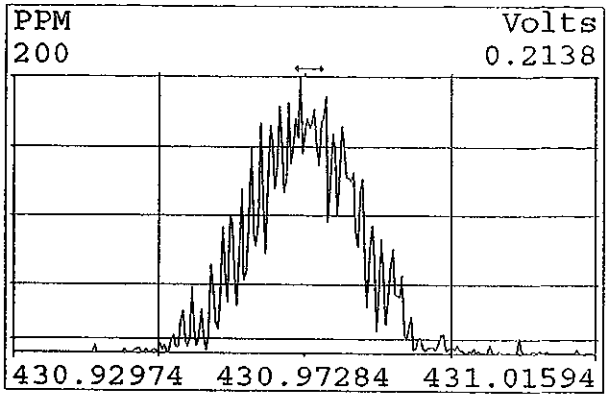


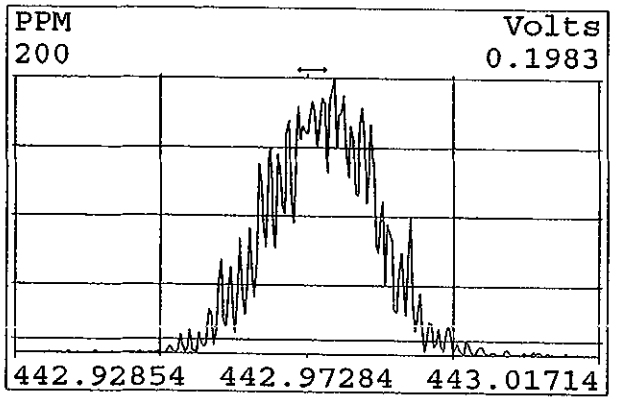


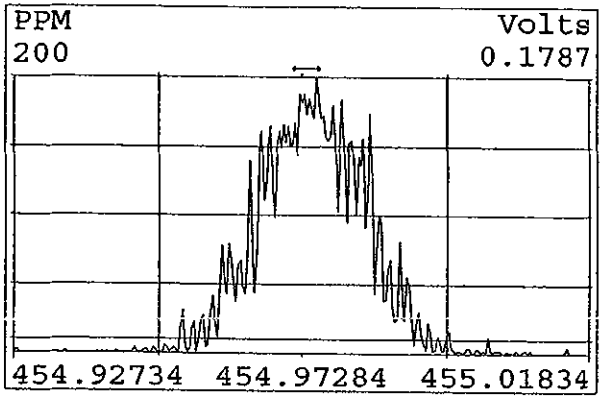
Peak Locate Examination:29-APR-2010:09:34 File:29AP101D5
Experiment:DIOXINRES Function:4 Reference:PFK

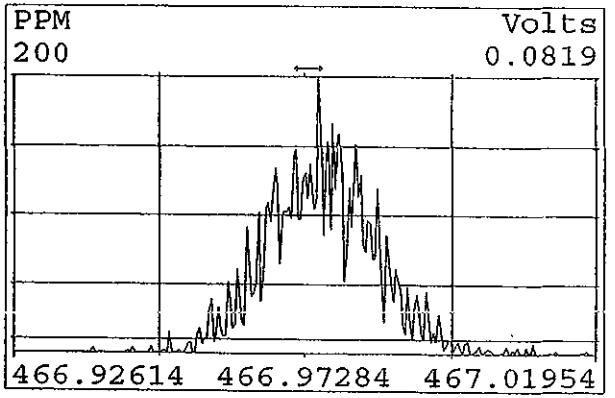


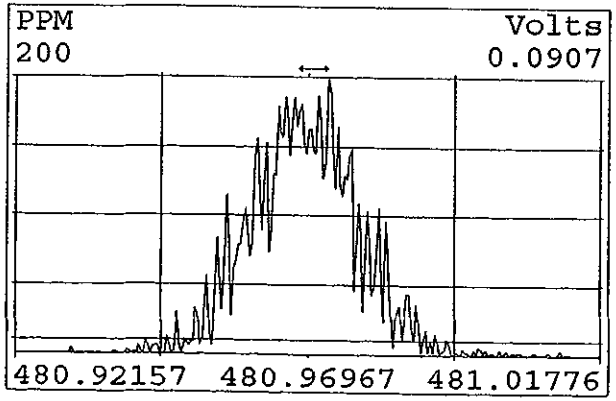




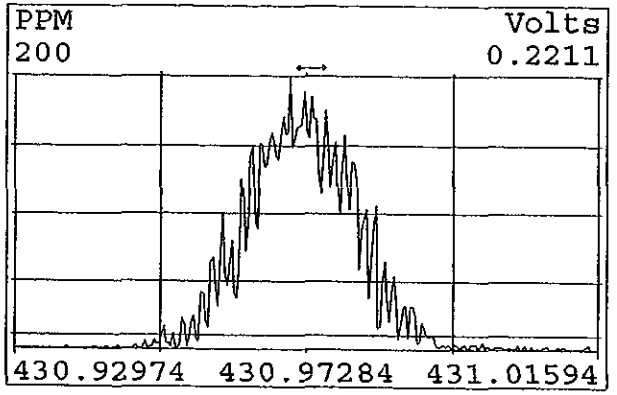


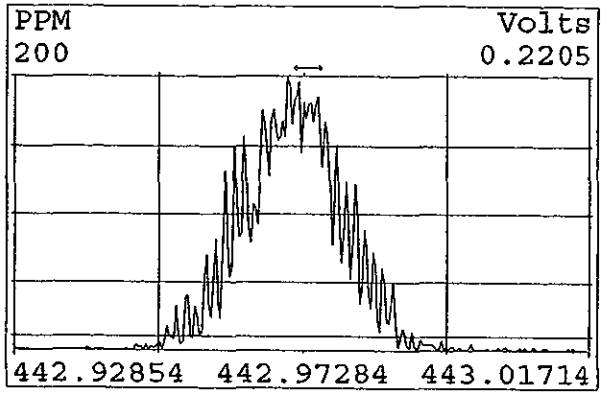


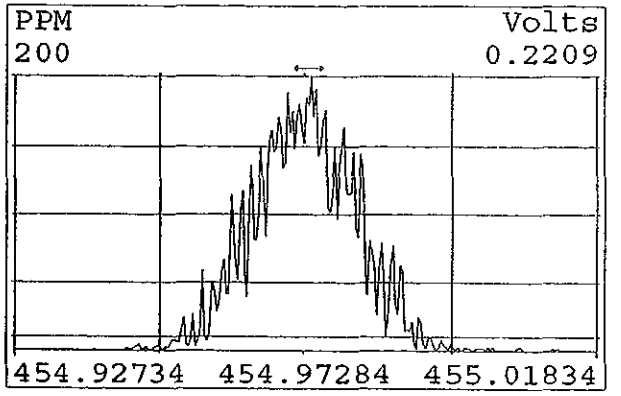


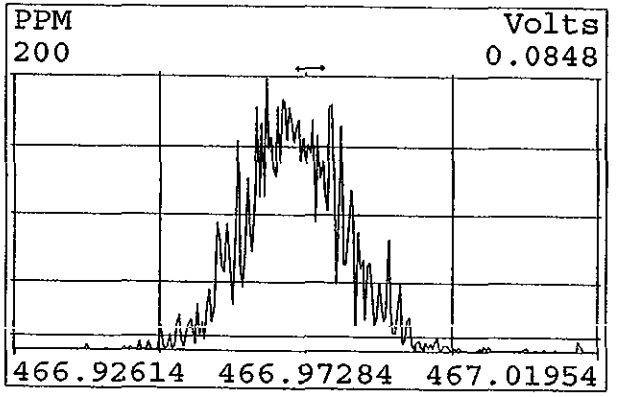


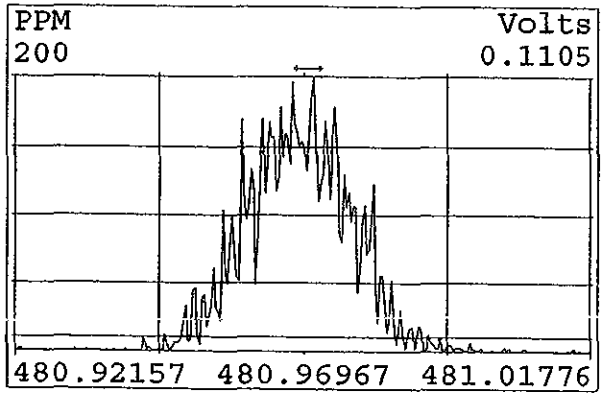
Peak Locate Examination:29-APR-2010:09:35 File:29AP101D5
Experiment:DIOXINRES Function:5 Reference:PFK

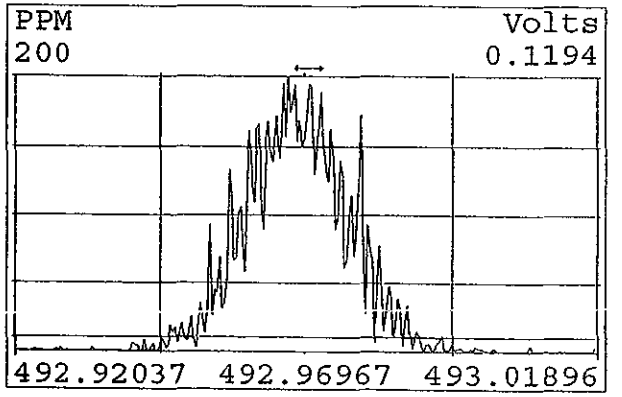


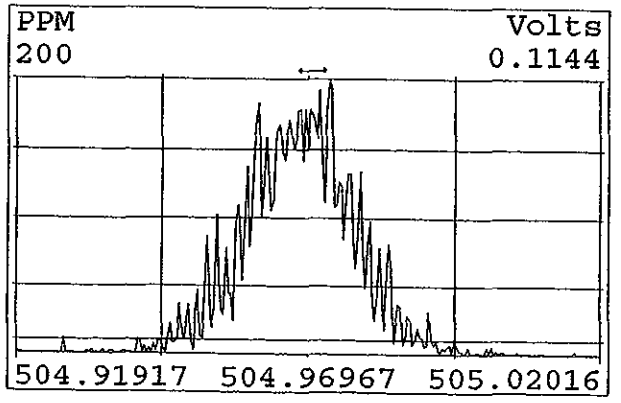


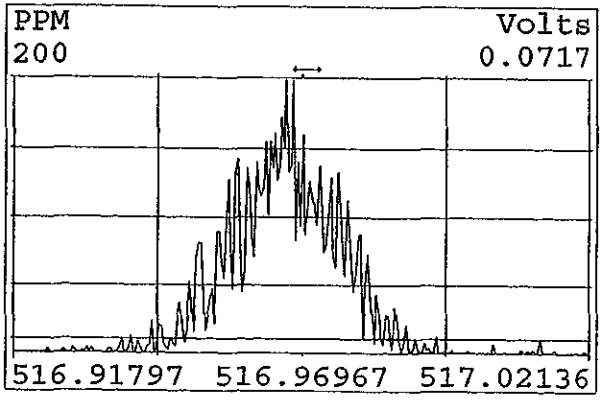




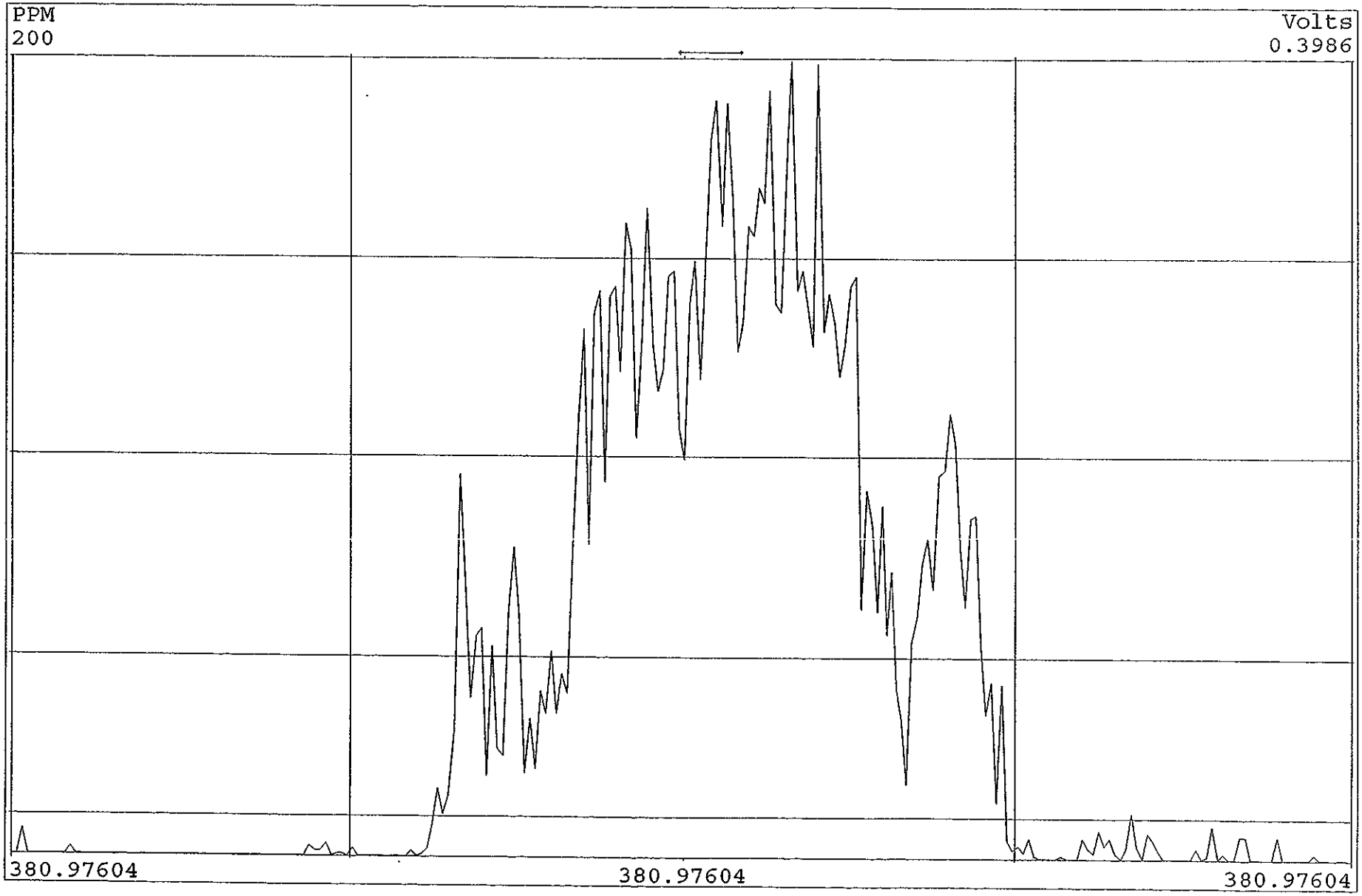




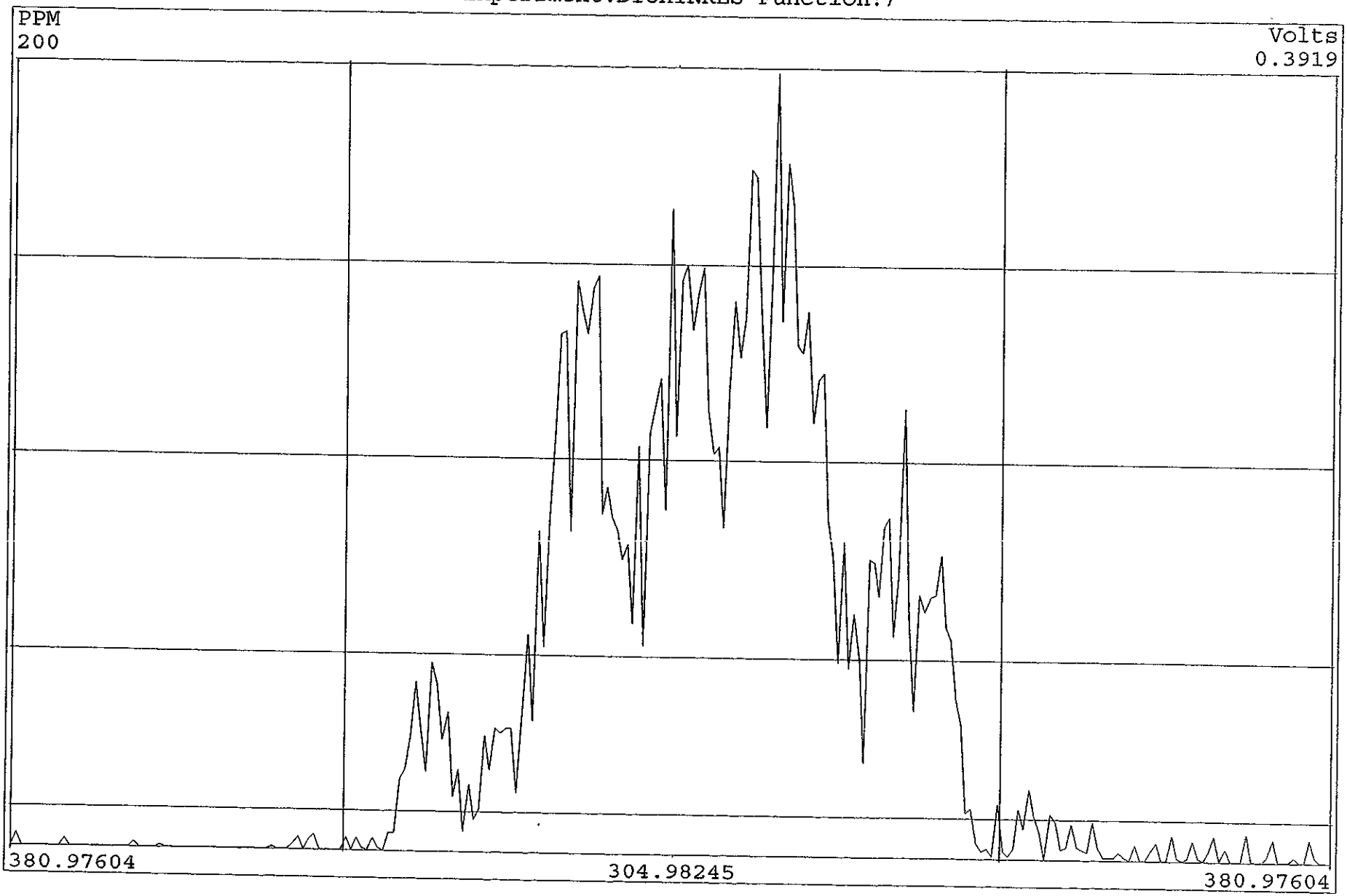


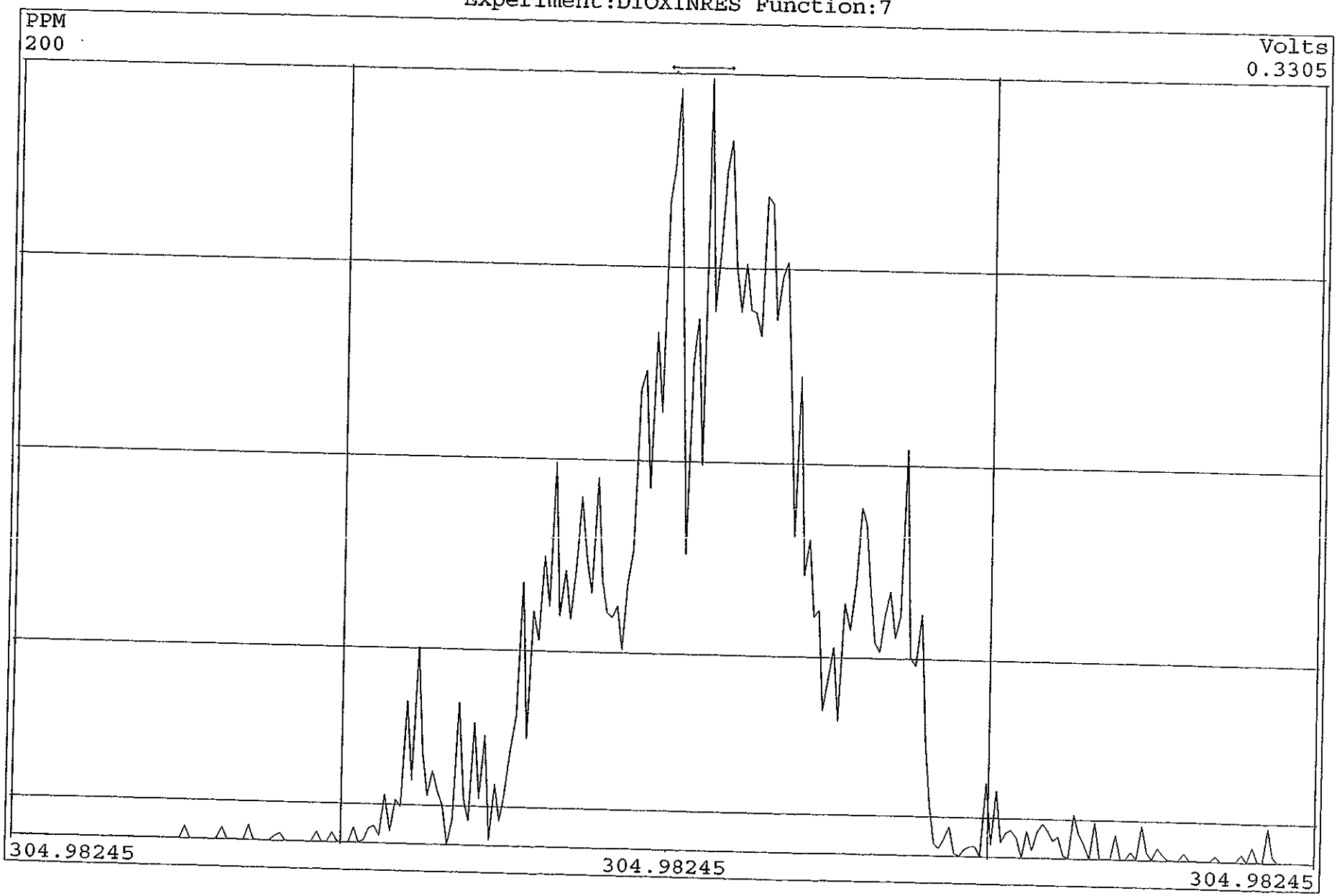


SIRLM Examination:29-APR-2010:21:15 File:29AP101D5
Experiment:DIOXINRES Function:6

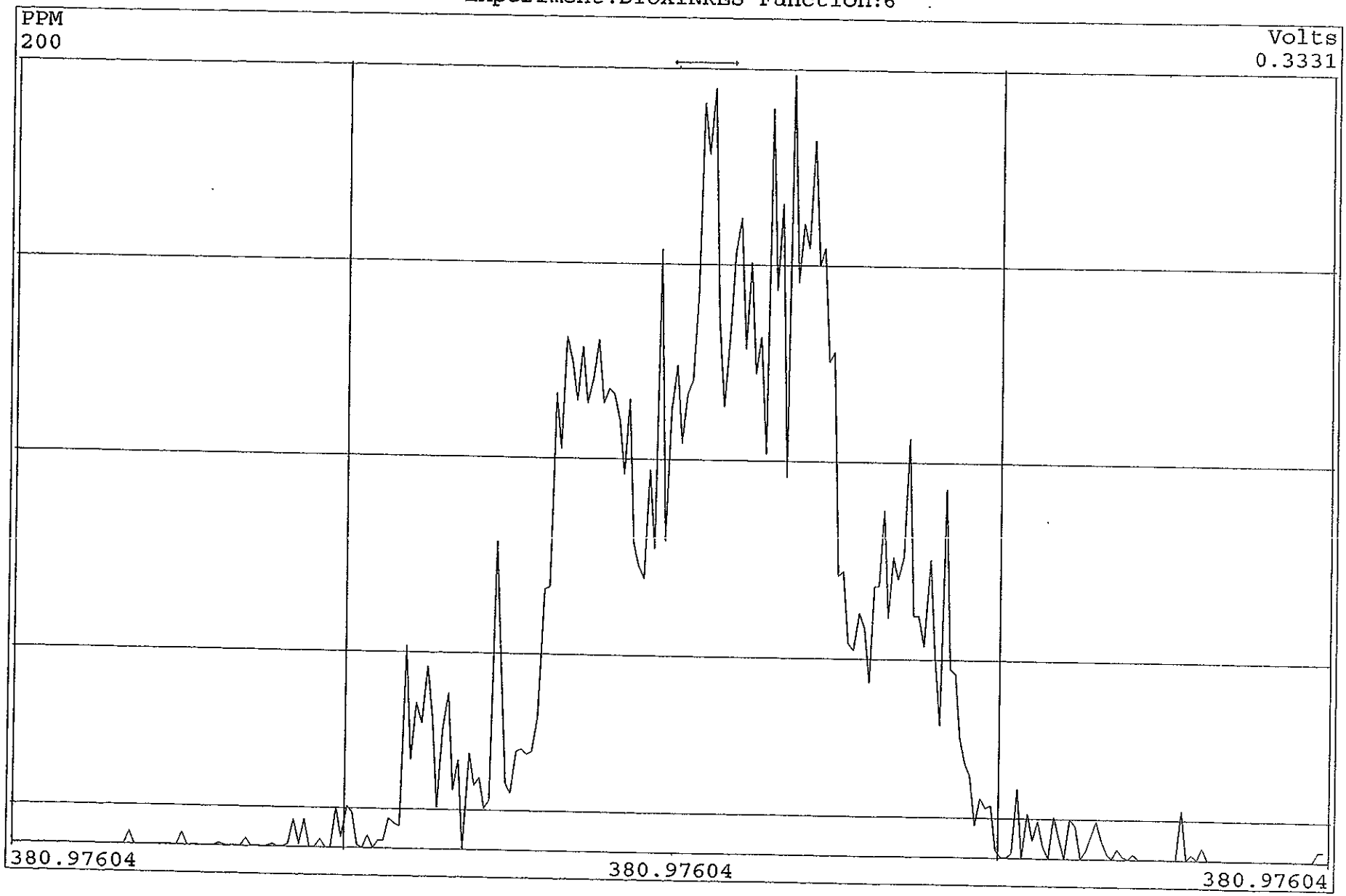


SIRLM Examination:29-APR-2010:21:16 File:29AP101D5
Experiment:DIOXINRES Function:7

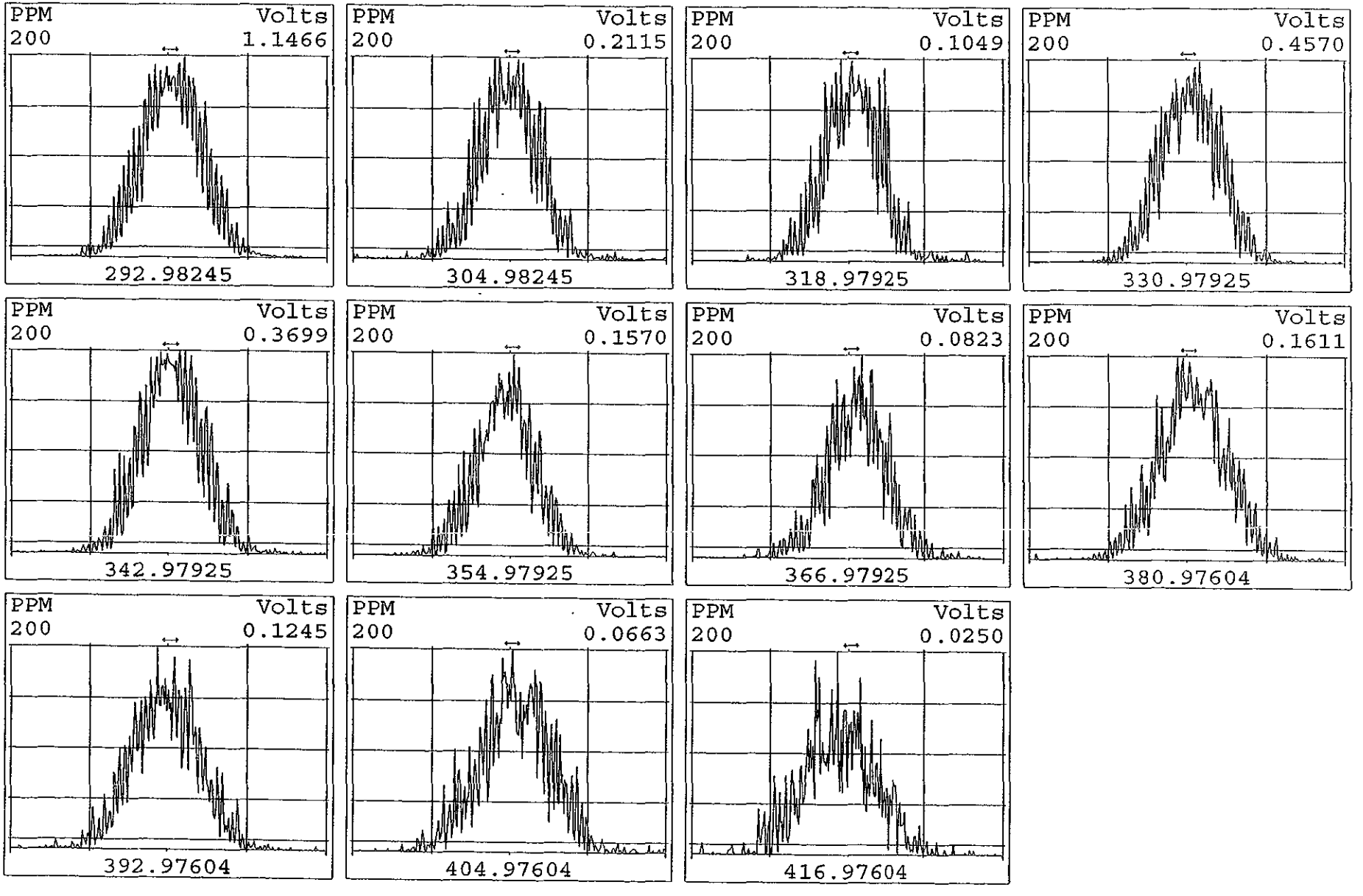




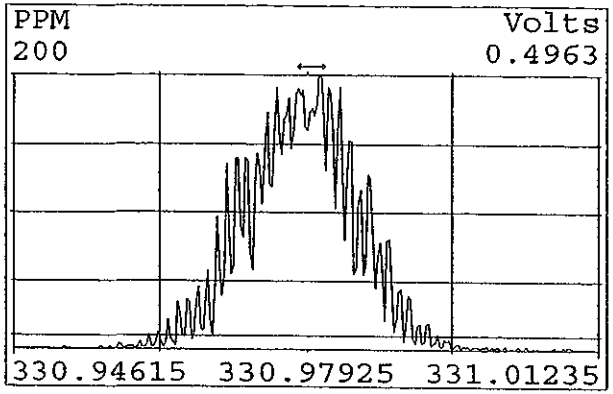
SIRLM Examination:30-APR-2010:08:12 File:29AP101D5
Experiment:DIOXINRES Function:6

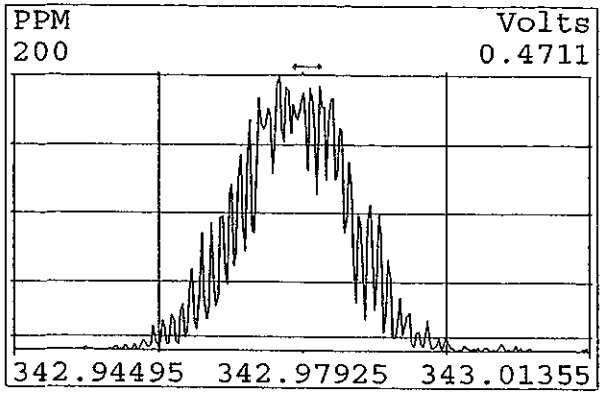


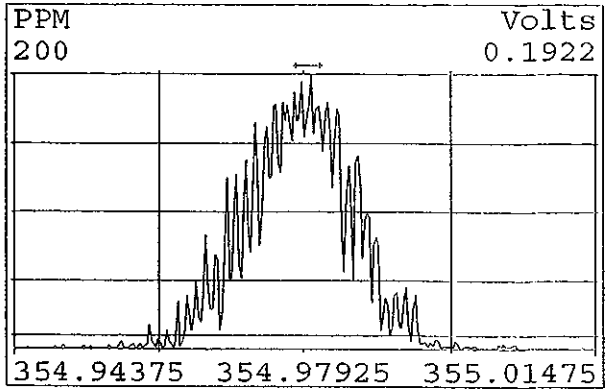
Peak Locate Examination:30-APR-2010:12:04 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:1 Reference:PFK

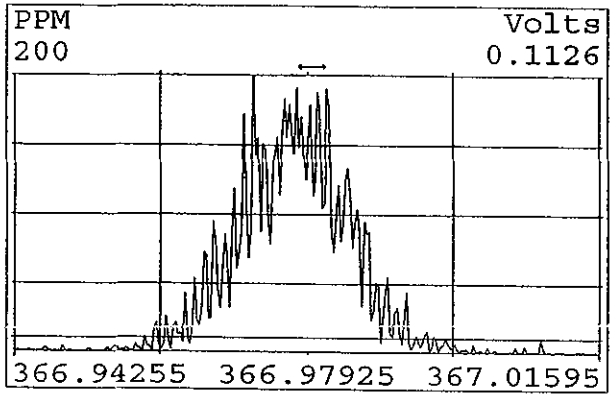


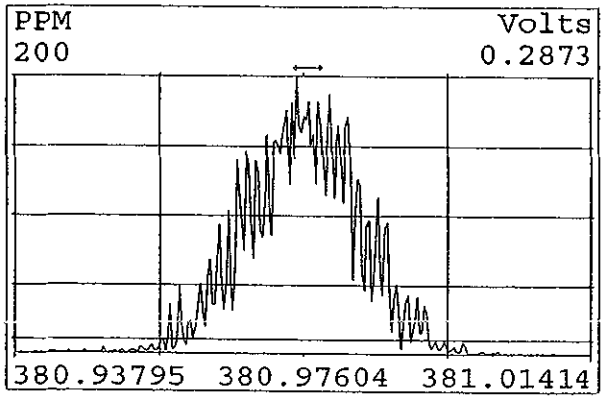
Peak Locate Examination:30-APR-2010:12:05 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:2 Reference:PFK

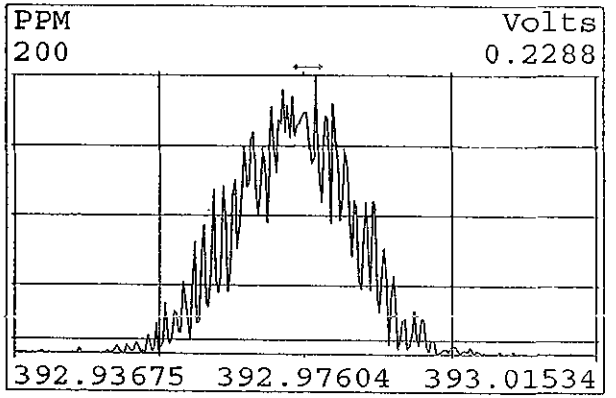


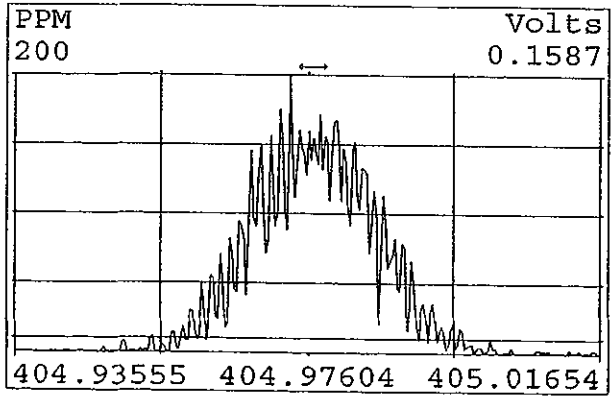


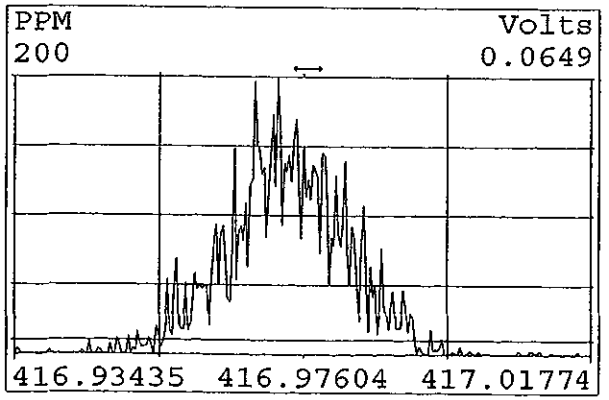




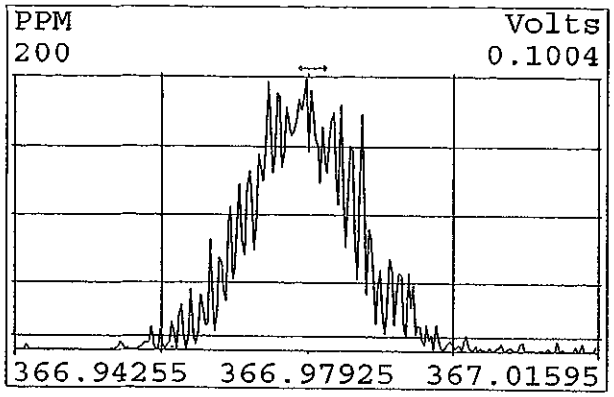


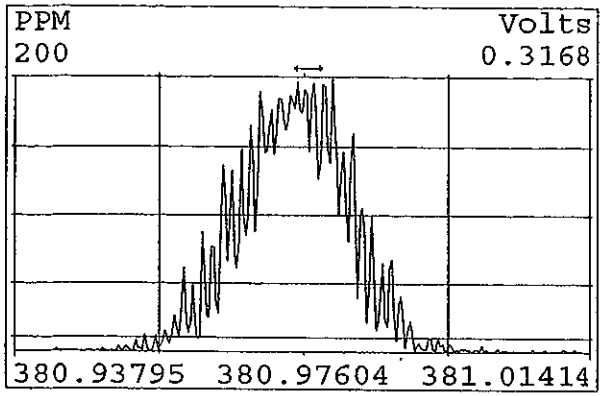


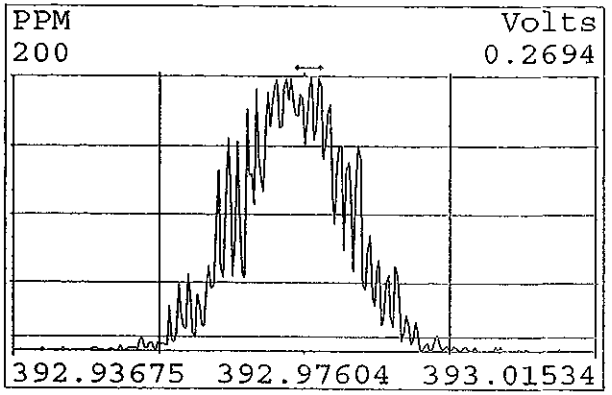


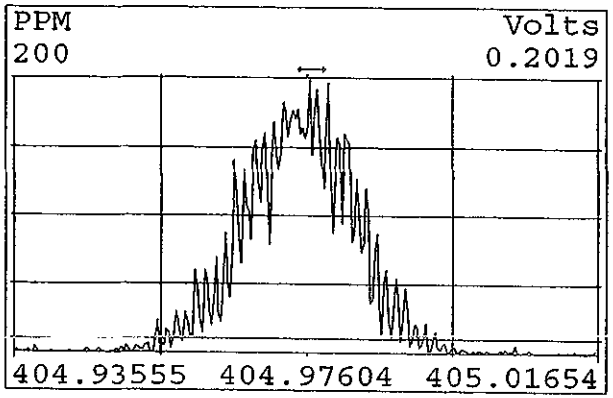


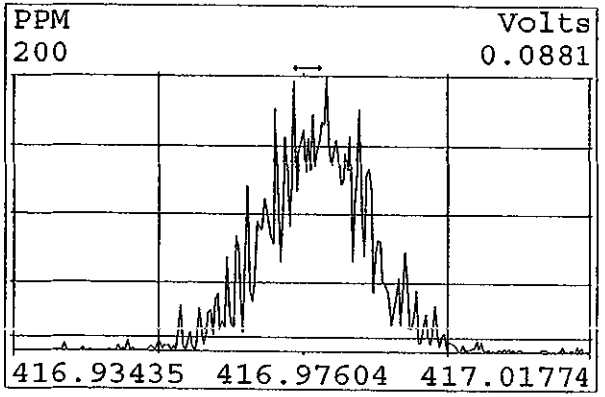
Peak Locate Examination:30-APR-2010:12:06 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:3 Reference:PFK

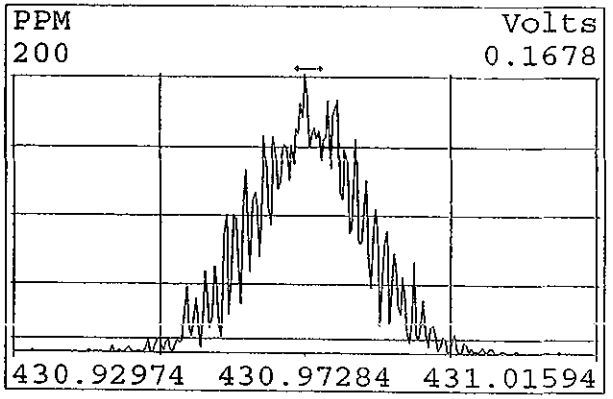


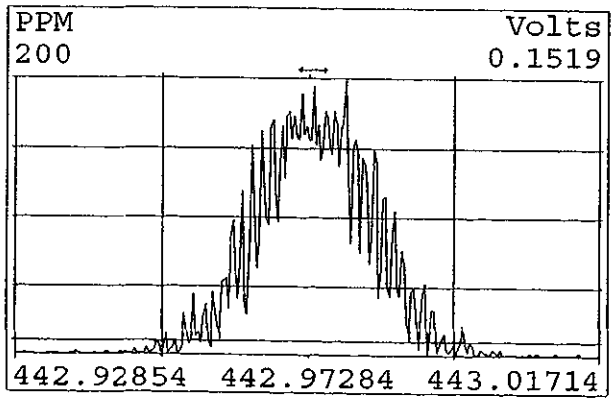


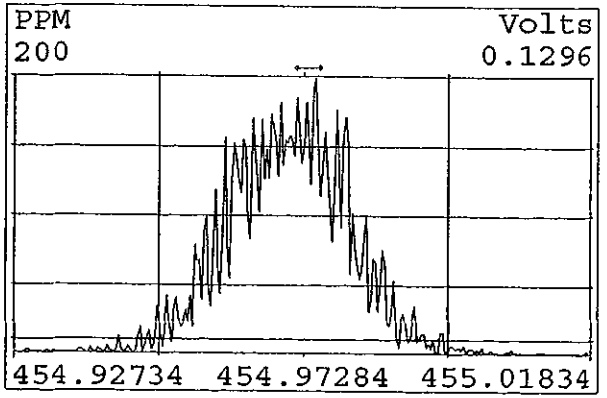




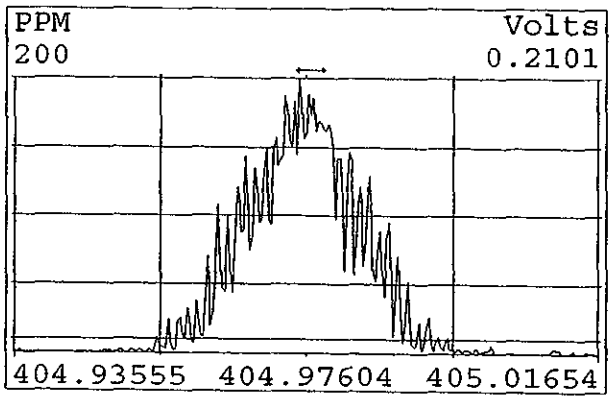


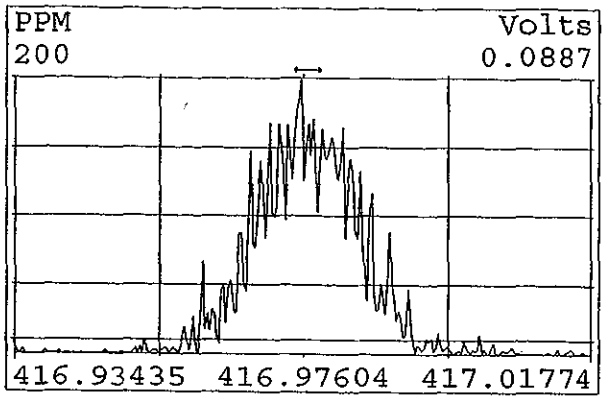


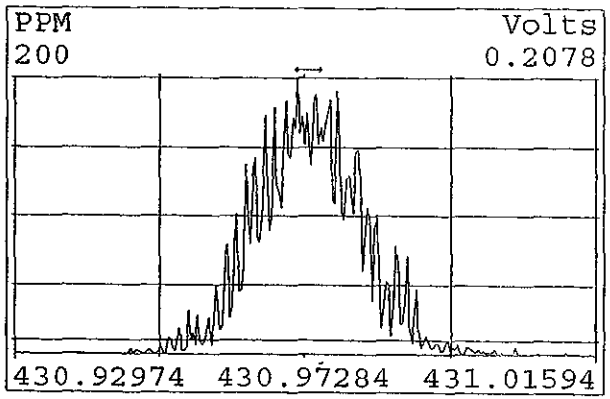


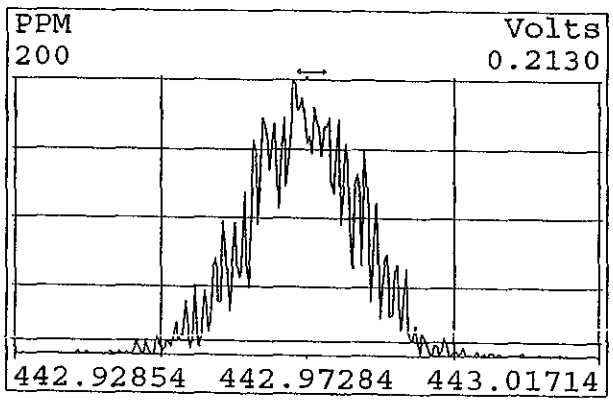


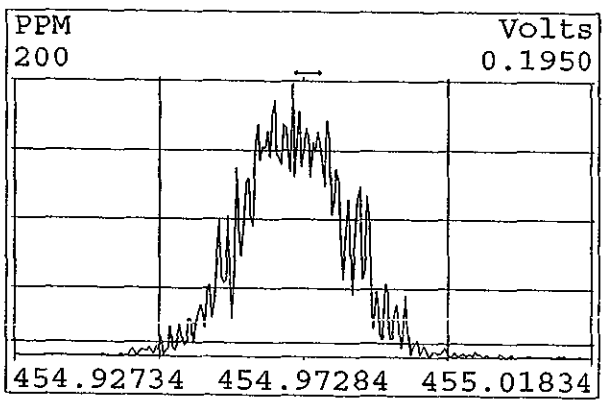
Peak Locate Examination:30-APR-2010:12:07 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:4 Reference:PFK

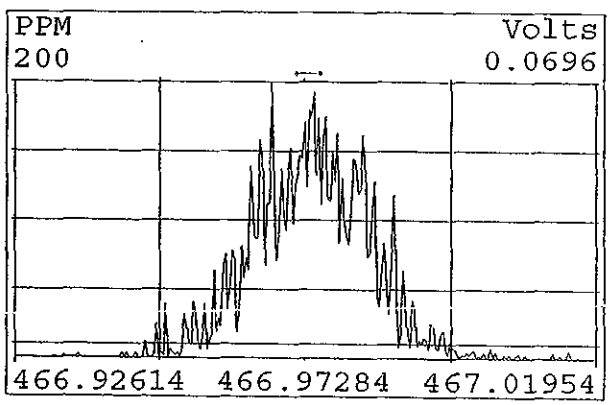


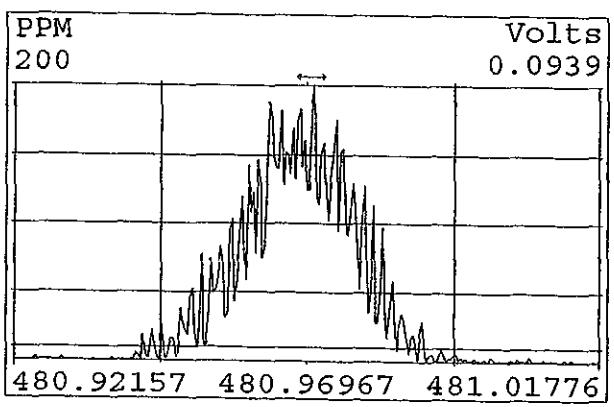




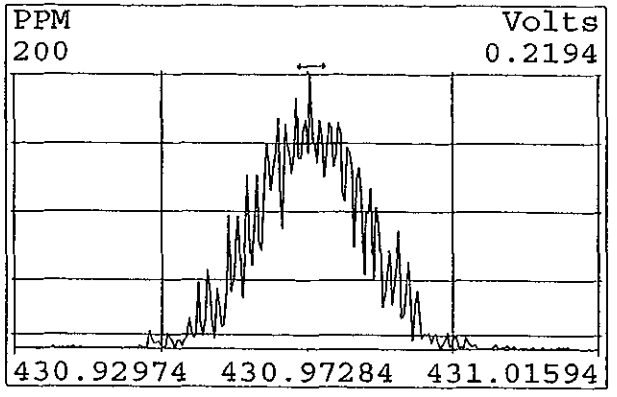


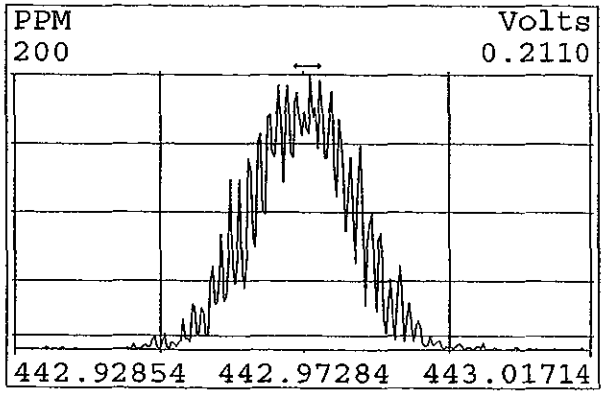


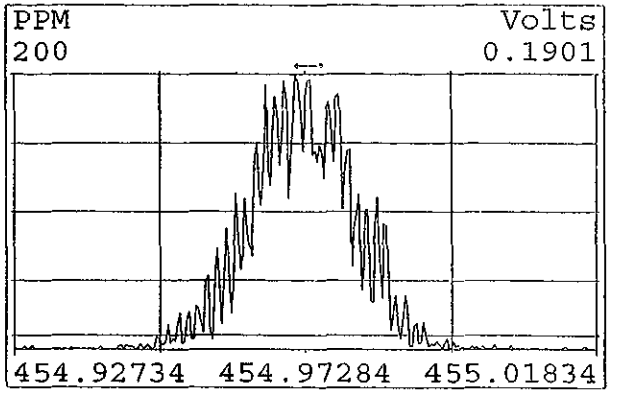


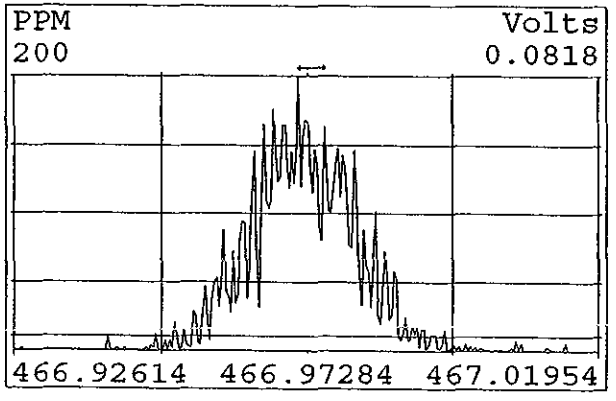


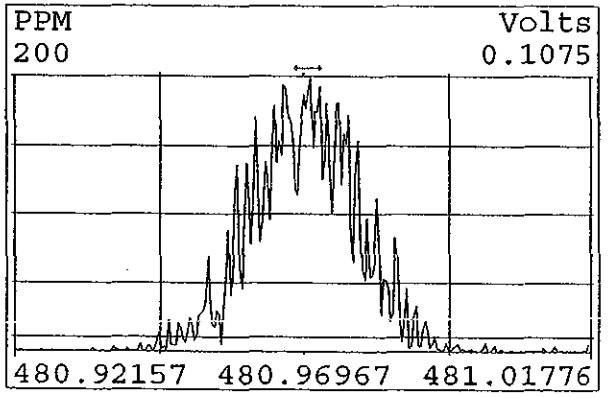
Peak Locate Examination:30-APR-2010:12:07 File:ENDRES29AP101D5
Experiment:DIOXINRES Function:5 Reference:PFK

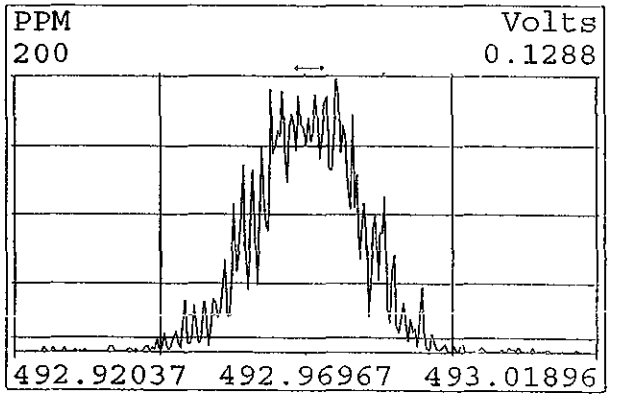


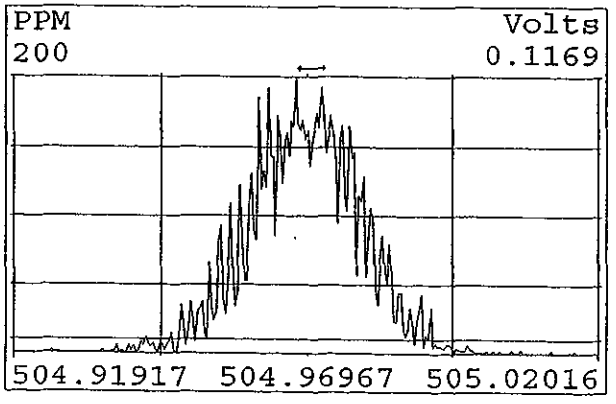


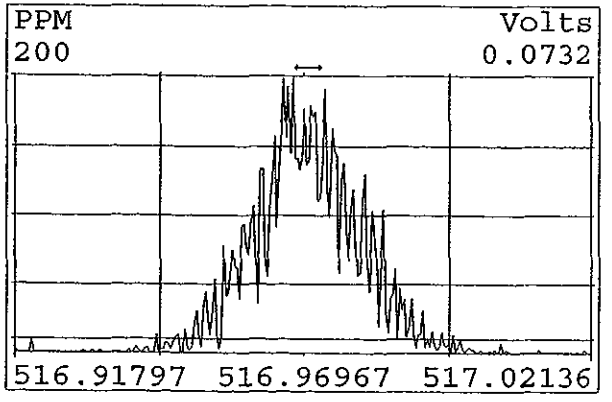




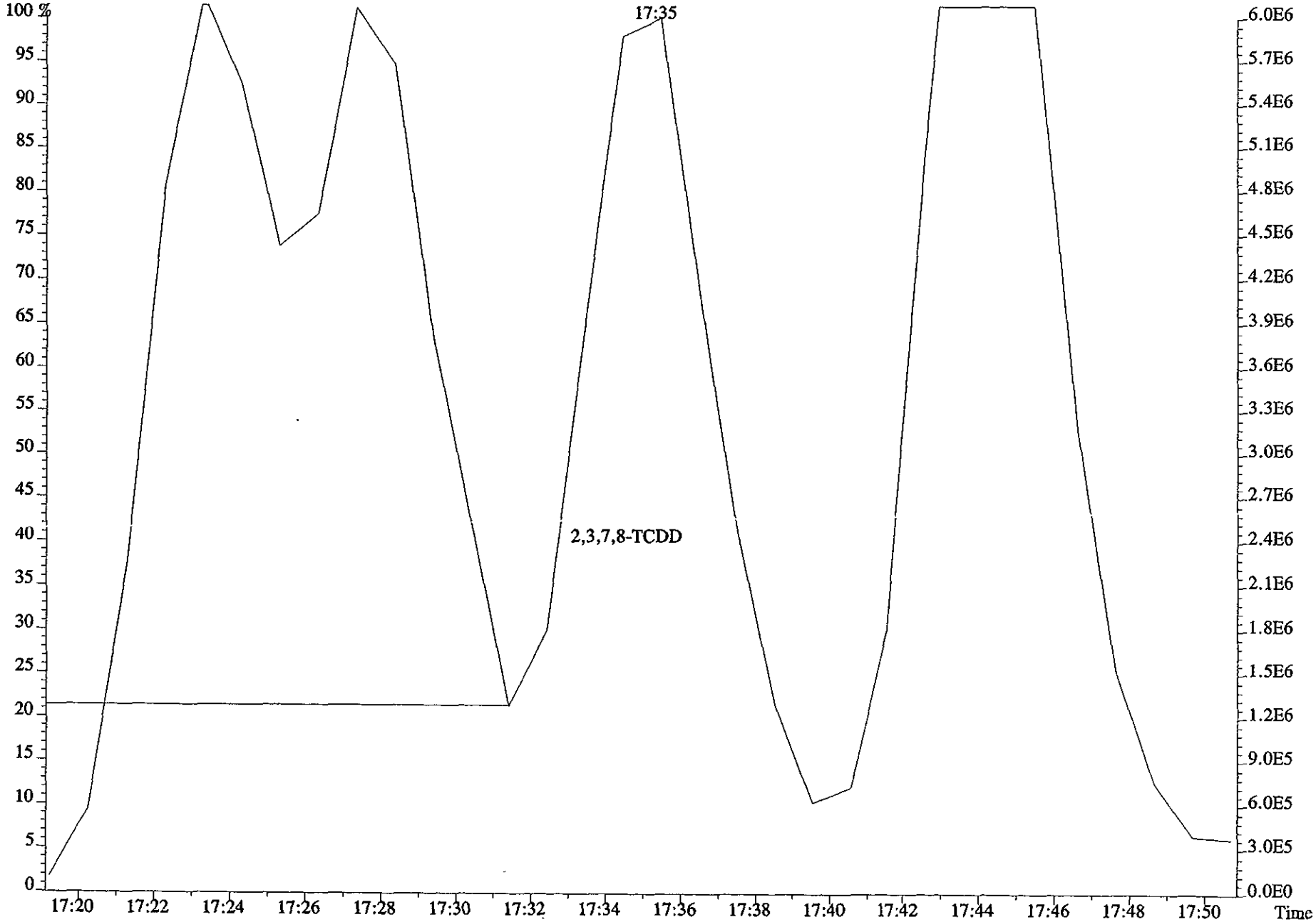








File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Exp:DIOXINRES
321.8936 S:2



Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5

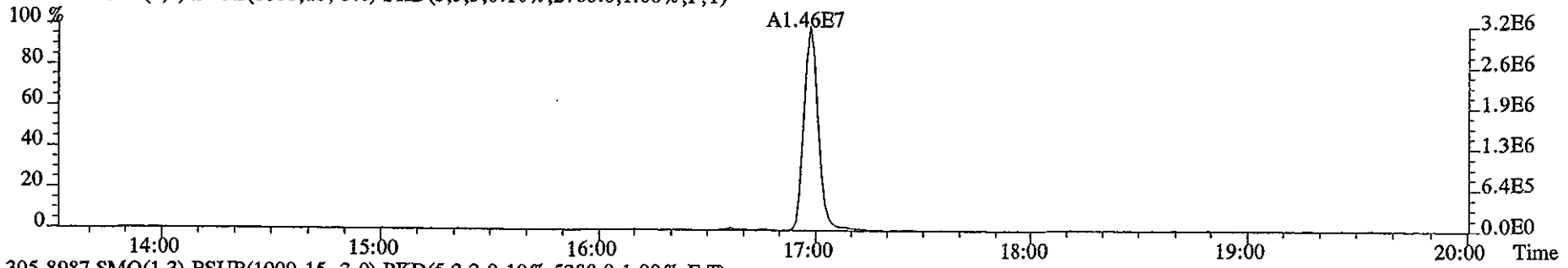
ST1231B :CS-1 09DXN422 ST1231C :CS-2 09DXN423 ST1231D :CS-3 09DXN425
ST1231E :CS-4 09DXN426 ST1231F :CS-5 09DXN456

				31DE09A1D5	31DE09A1D5	31DE09A1D5	31DE09A1D5	31DE09A1D5
				S2	S3	S4	S5	S6
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

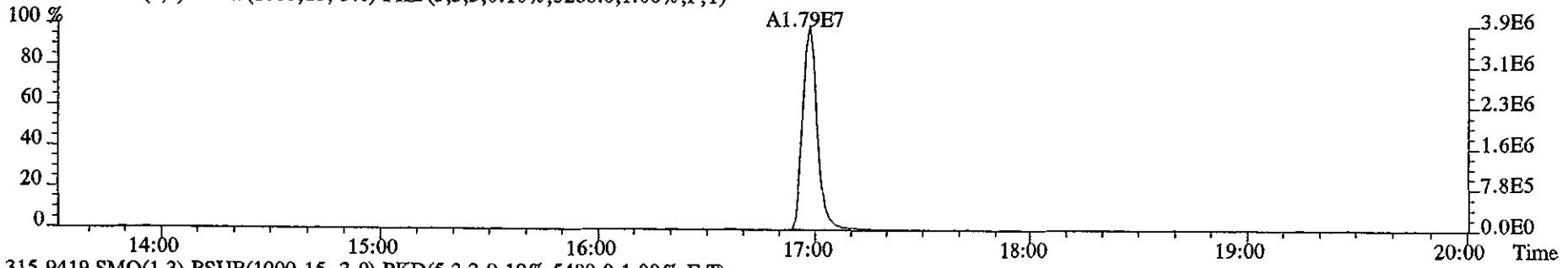
1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3 %	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

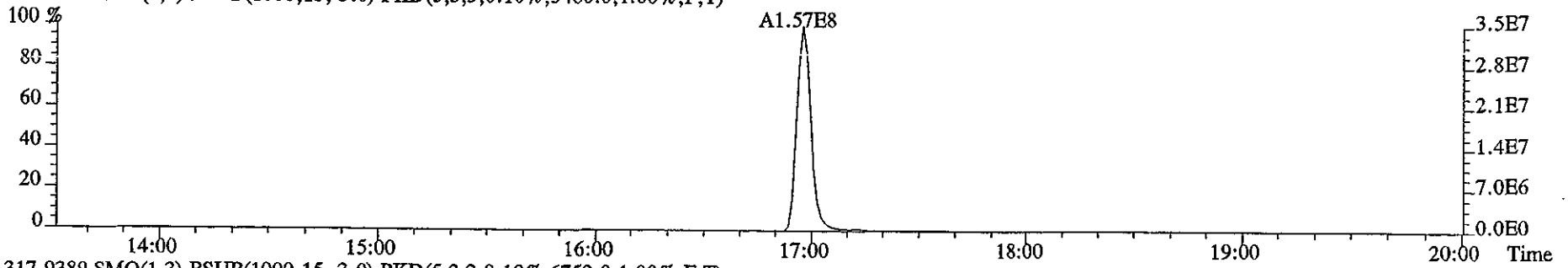
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2760.0,1.00%,F,T)



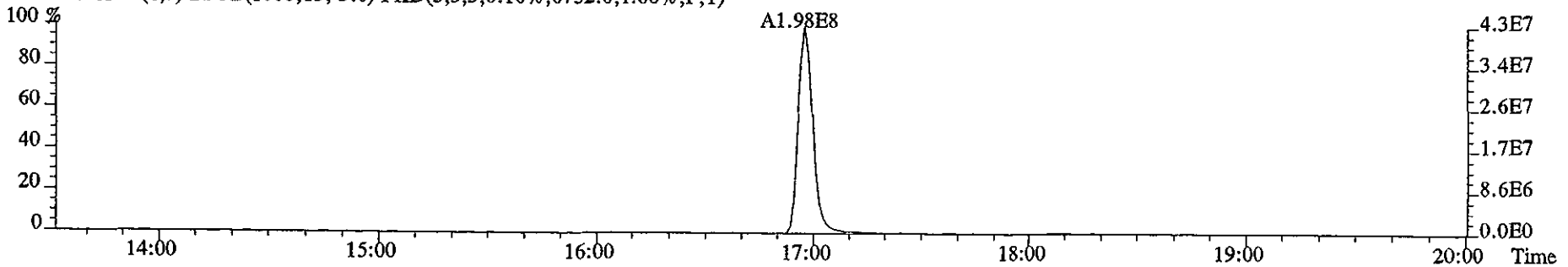
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5288.0,1.00%,F,T)



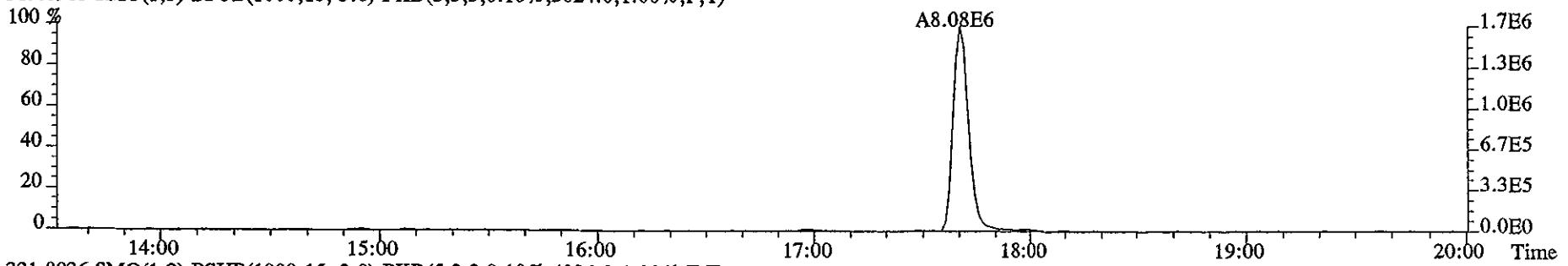
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5480.0,1.00%,F,T)



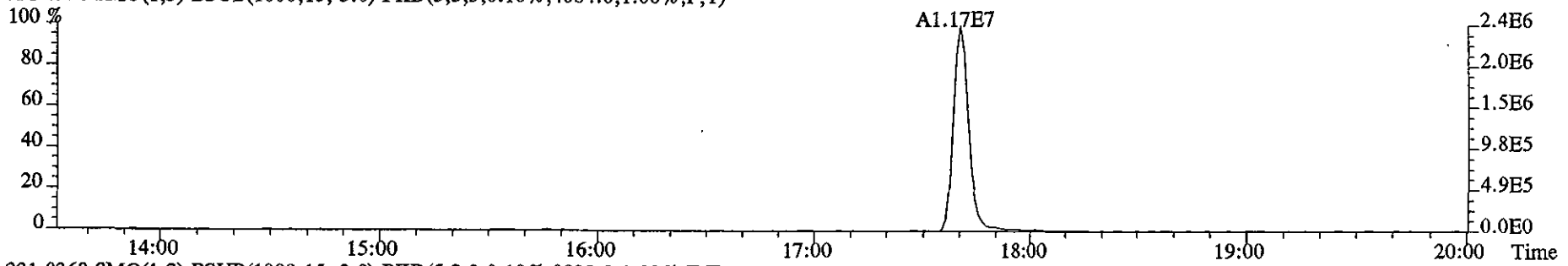
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6752.0,1.00%,F,T)



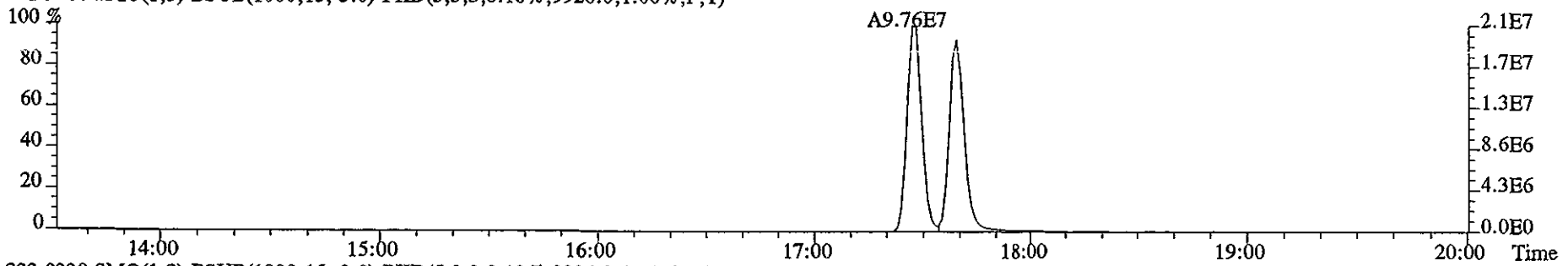
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3024.0,1.00%,F,T)



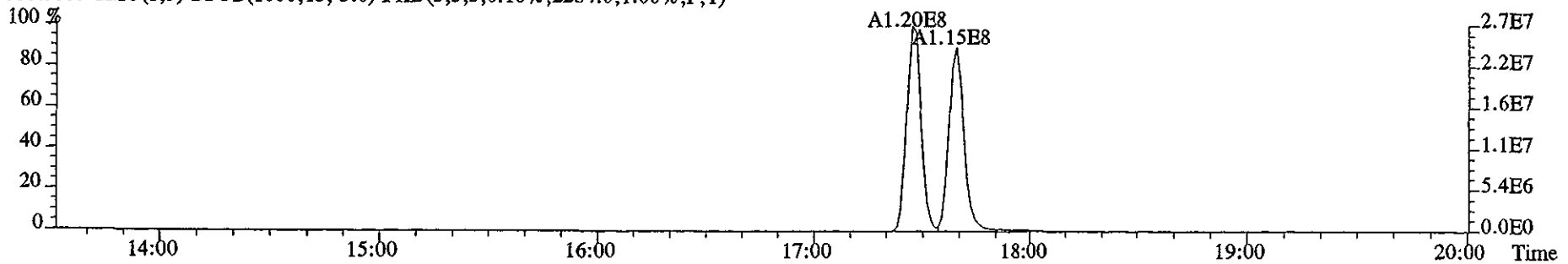
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4084.0,1.00%,F,T)



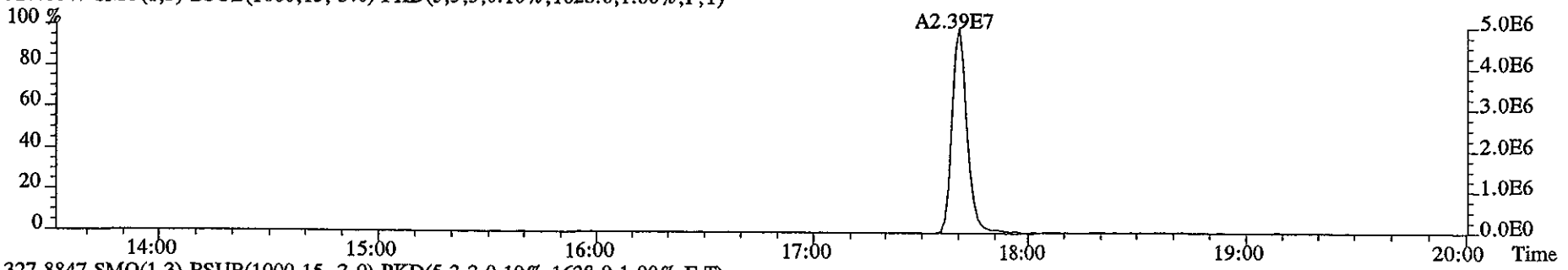
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9928.0,1.00%,F,T)



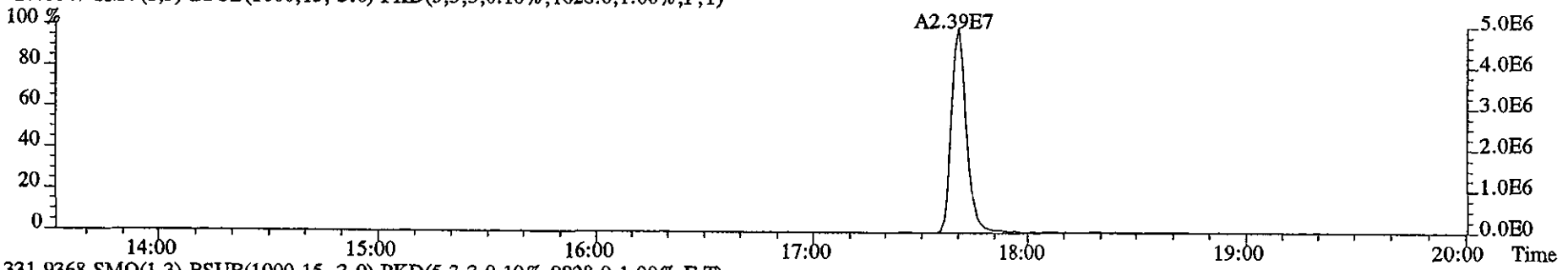
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)



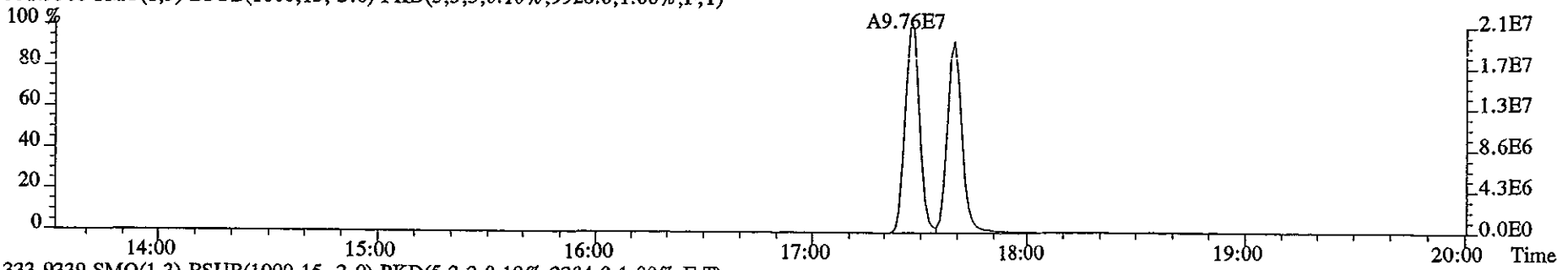
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1628.0,1.00%,F,T)



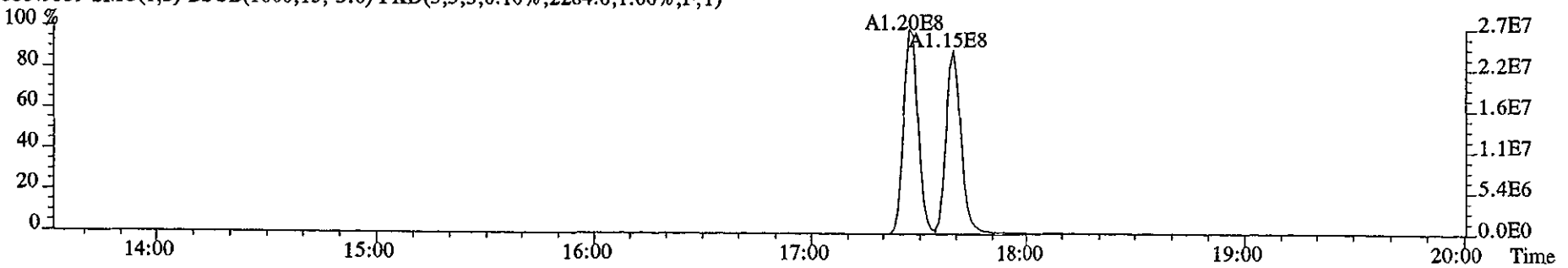
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1628.0,1.00%,F,T)



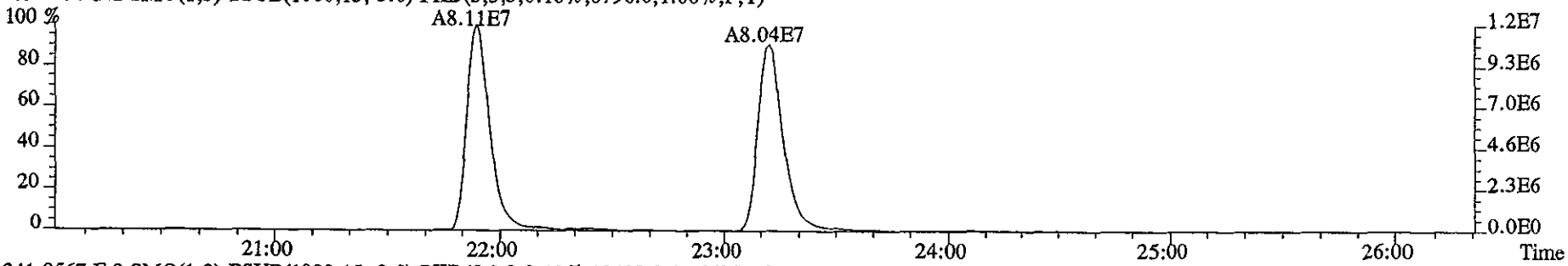
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9928.0,1.00%,F,T)

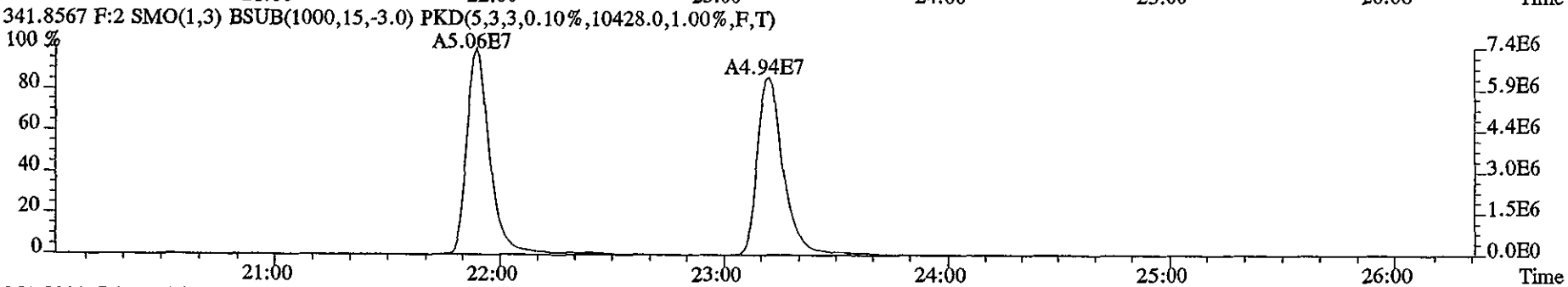


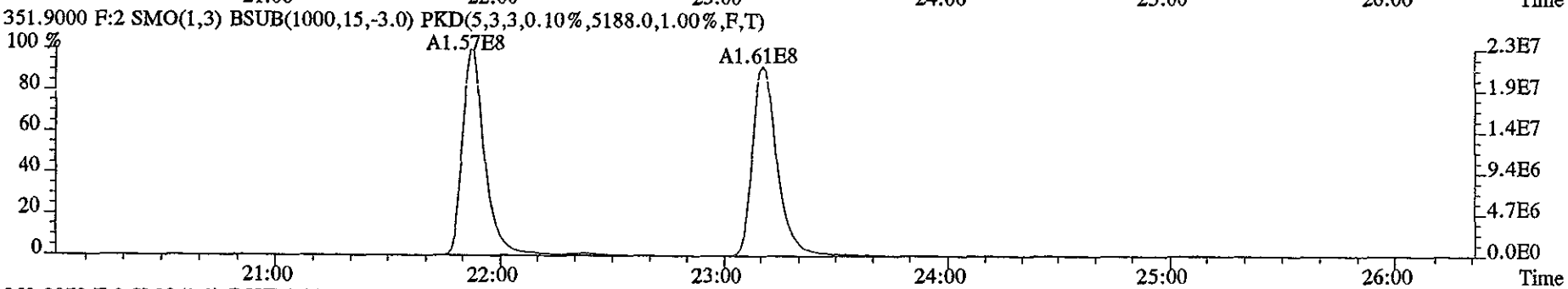
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)

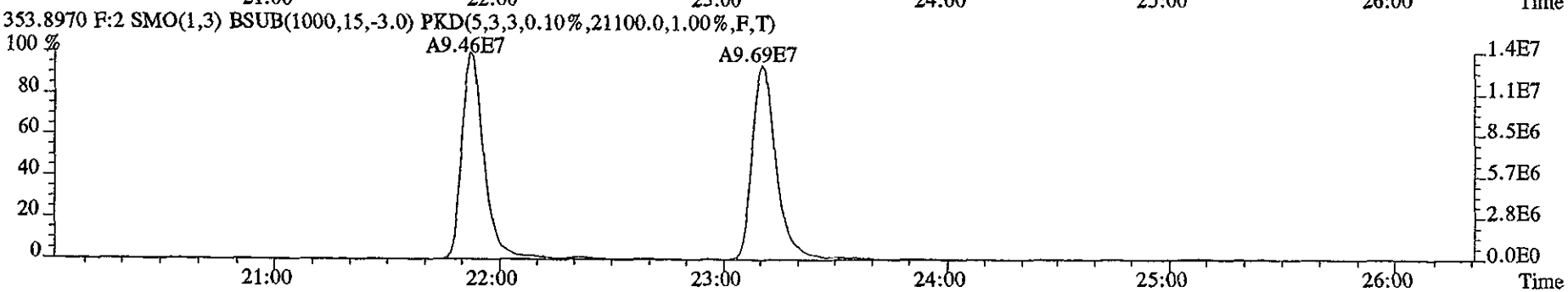


File:29AP101D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

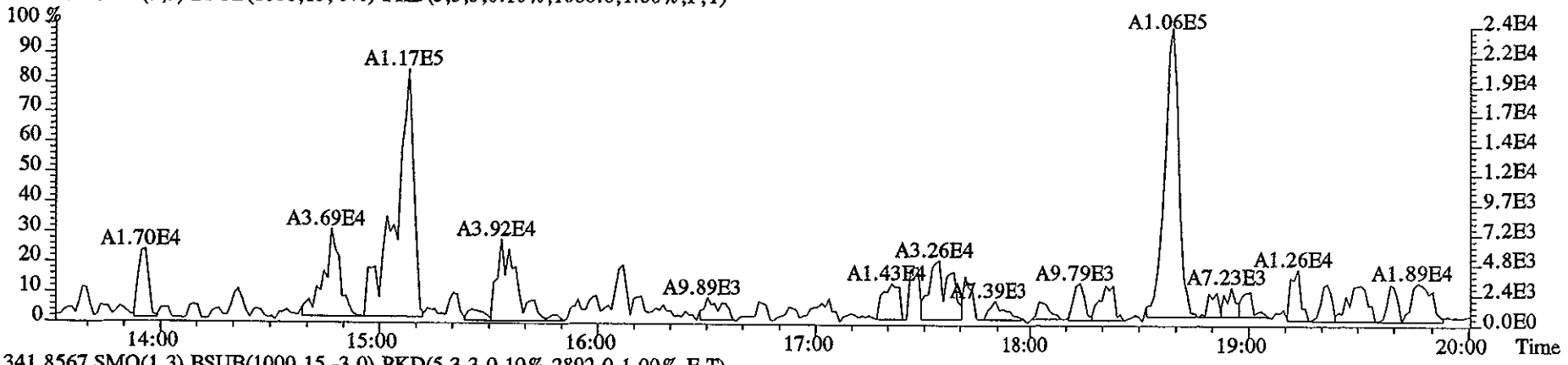




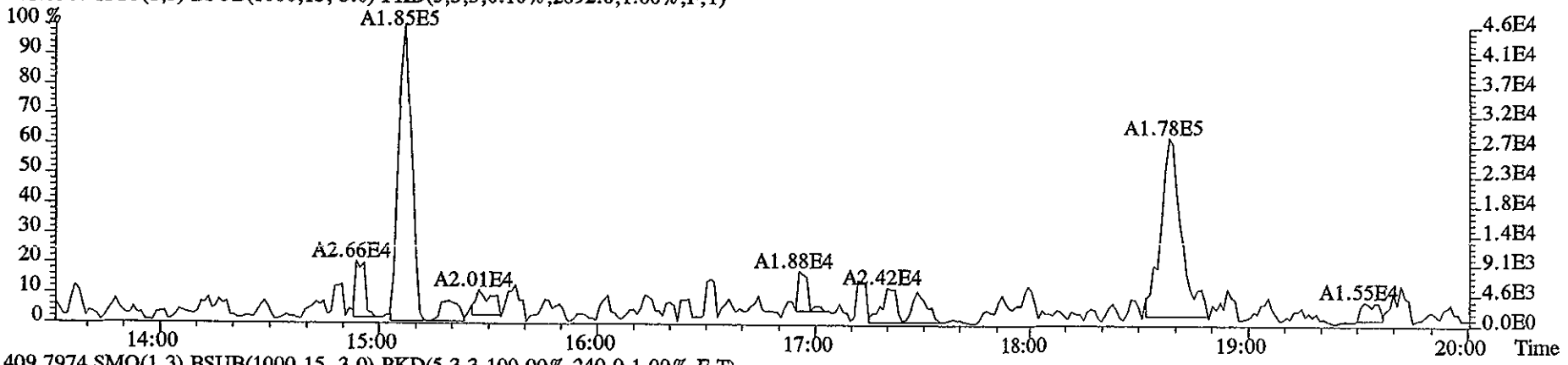




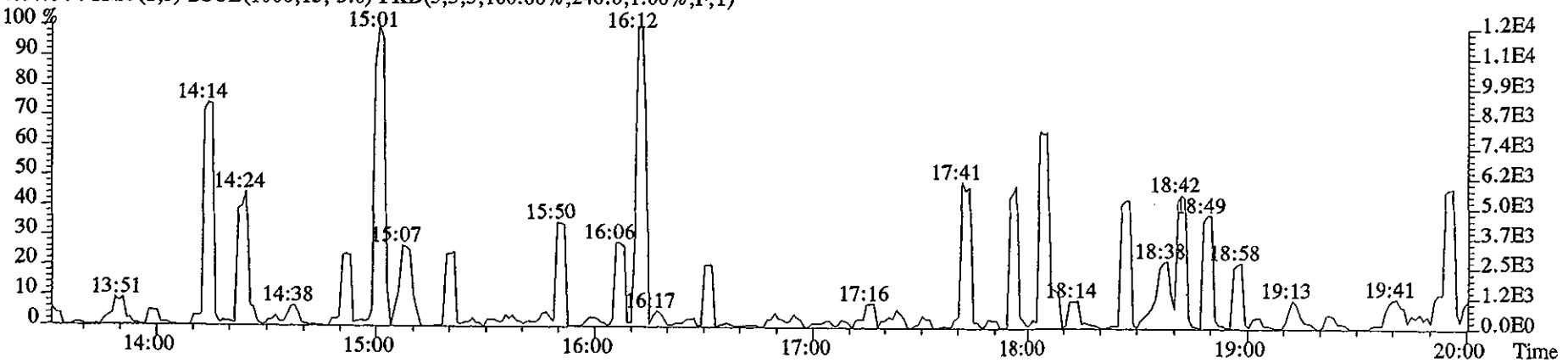
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1088.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2892.0,1.00%,F,T)

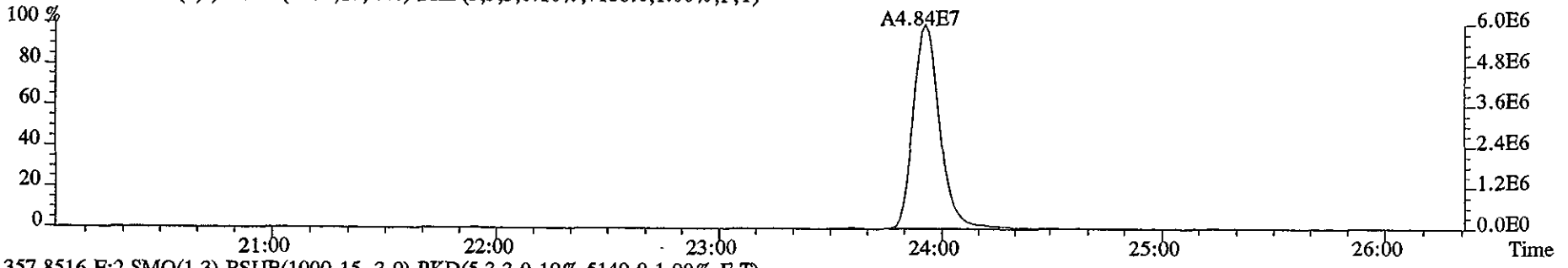


409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,240.0,1.00%,F,T)

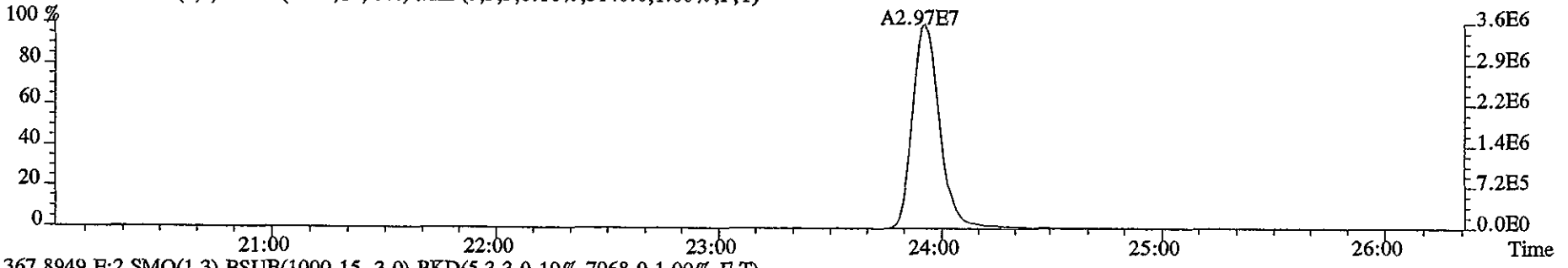


File:29AP101D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

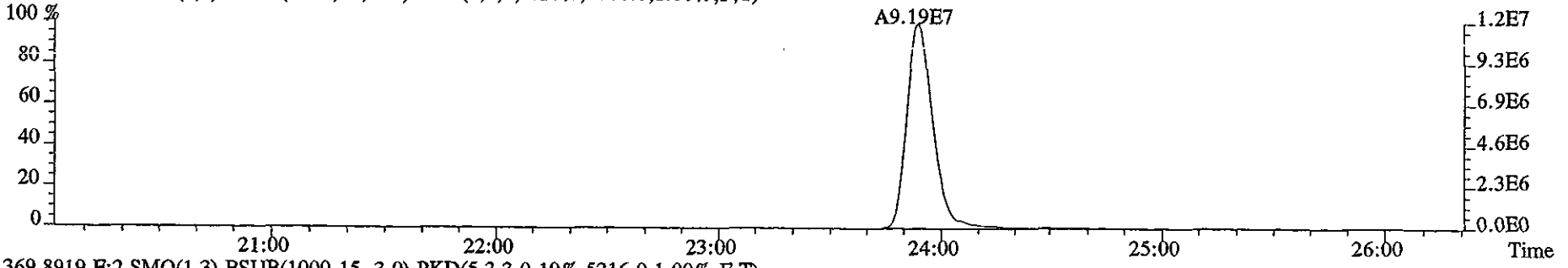
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7188.0,1.00%,F,T)



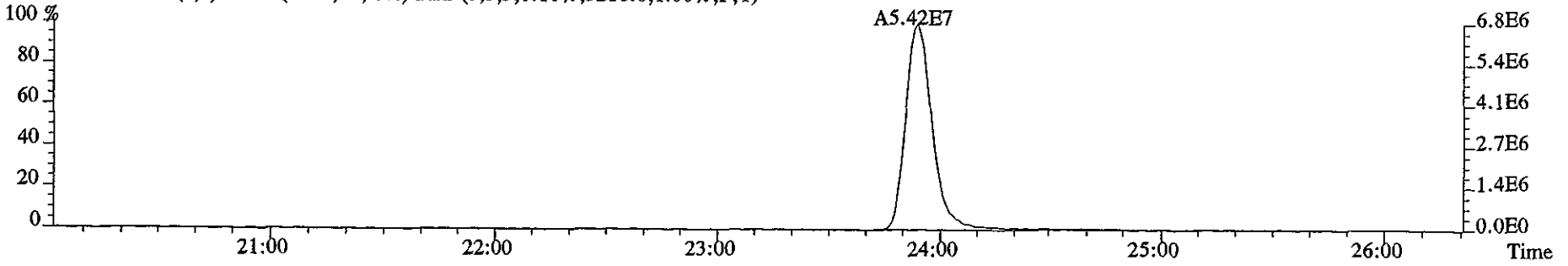
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)



367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7068.0,1.00%,F,T)

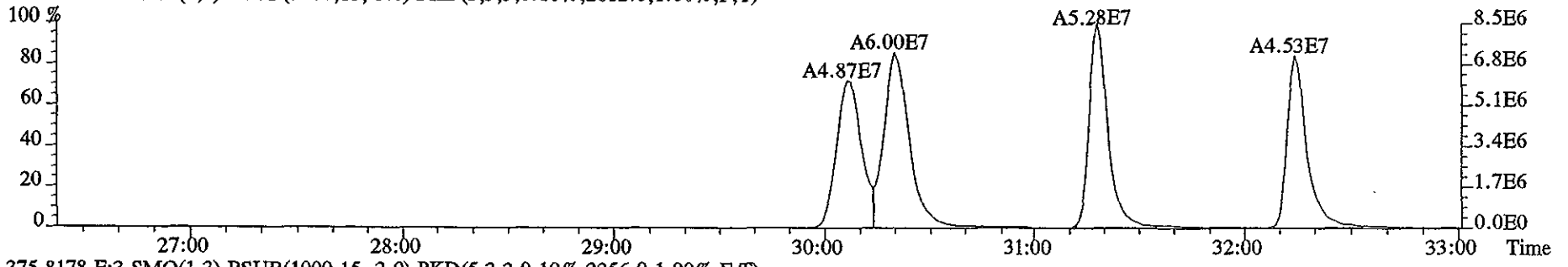


369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5216.0,1.00%,F,T)

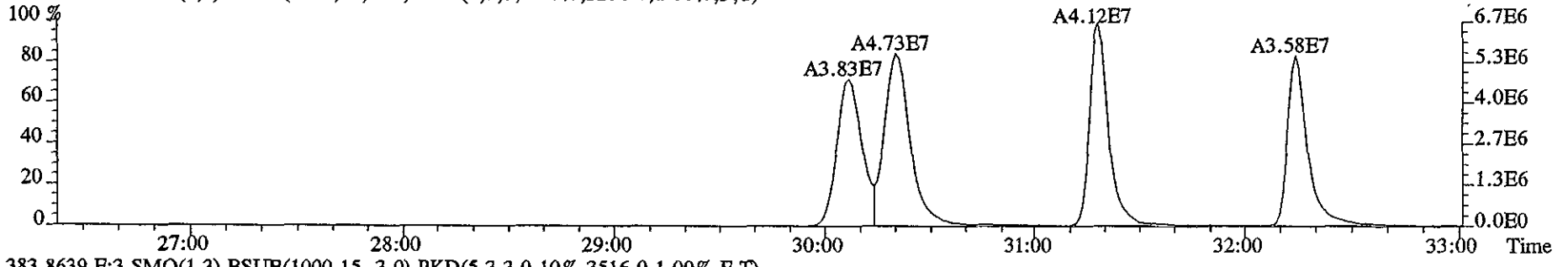


File:29AP101D5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

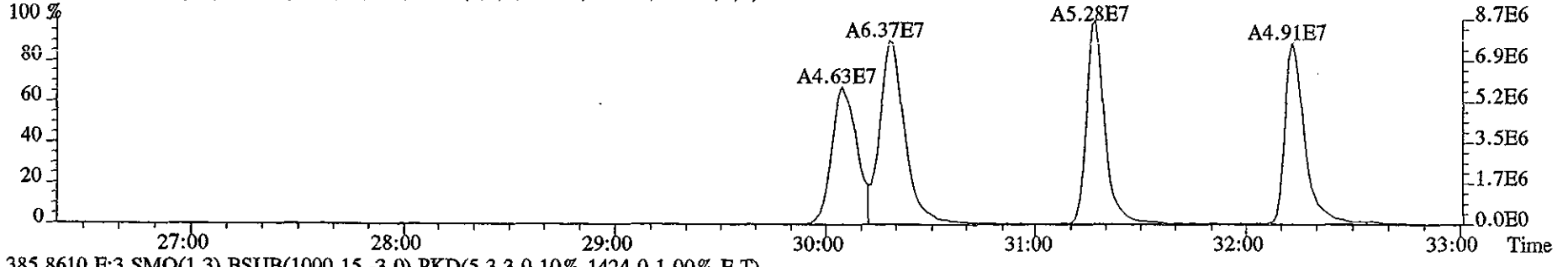
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2612.0,1.00%,F,T)



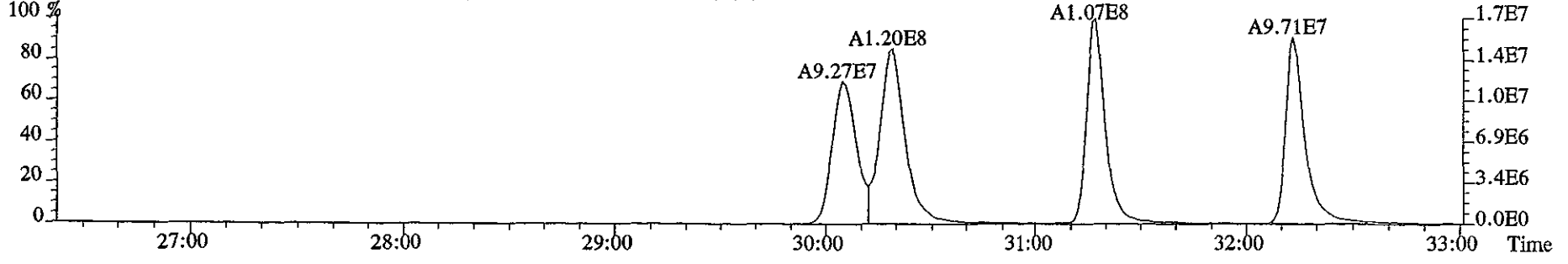
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2256.0,1.00%,F,T)



383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3516.0,1.00%,F,T)

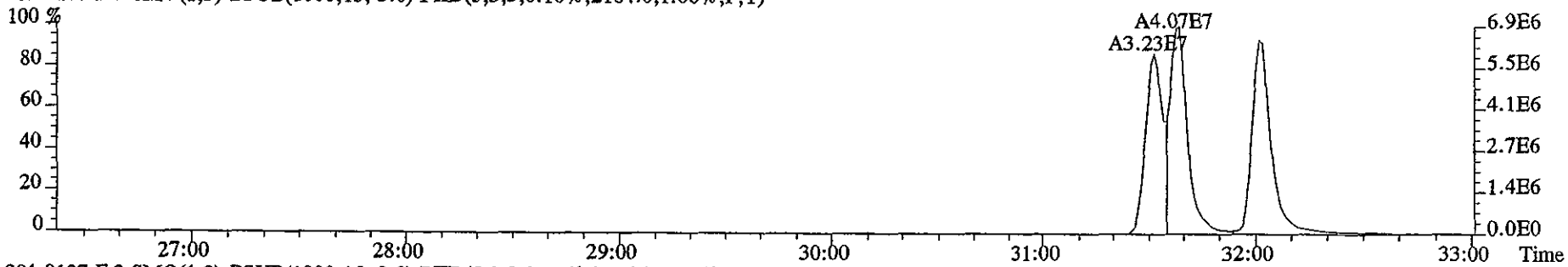


385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1424.0,1.00%,F,T)

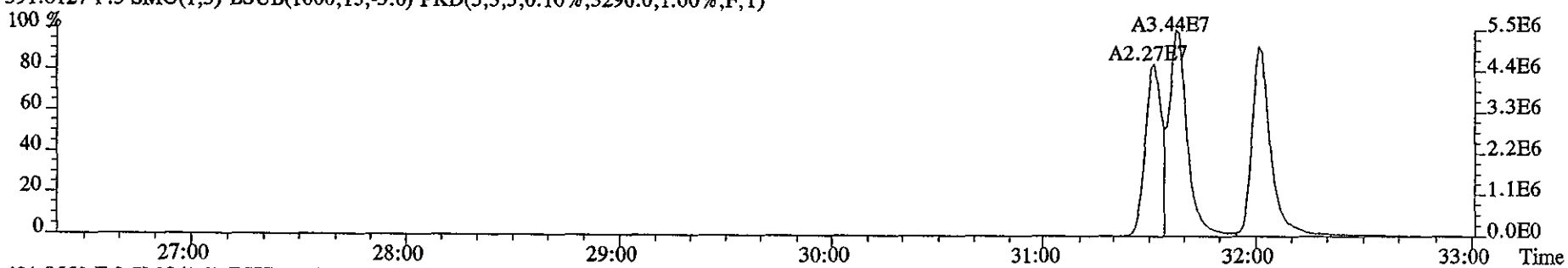


File:29AP101D5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

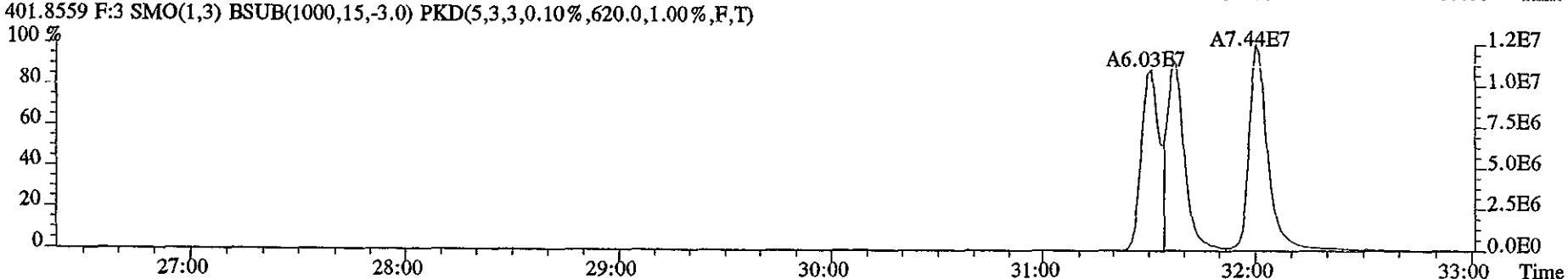
389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)



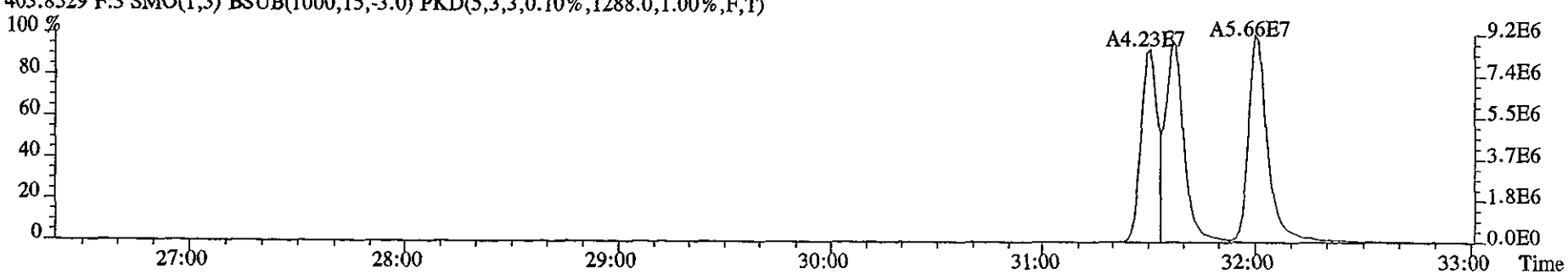
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3296.0,1.00%,F,T)



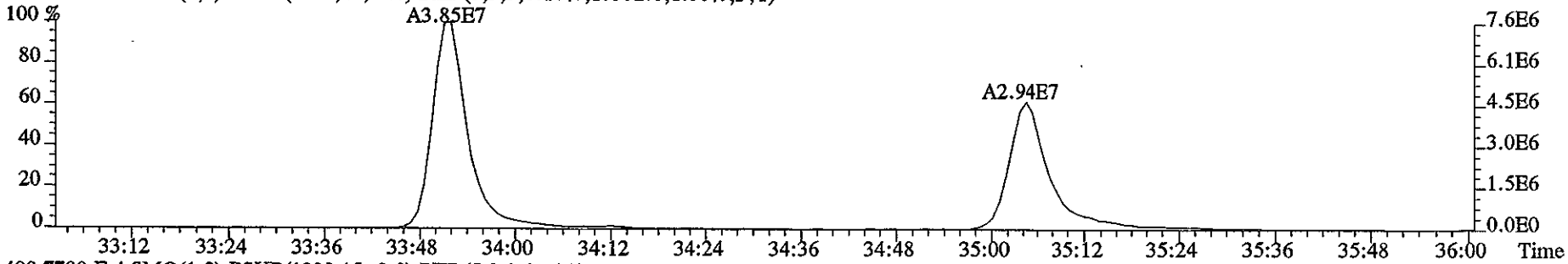
401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,620.0,1.00%,F,T)

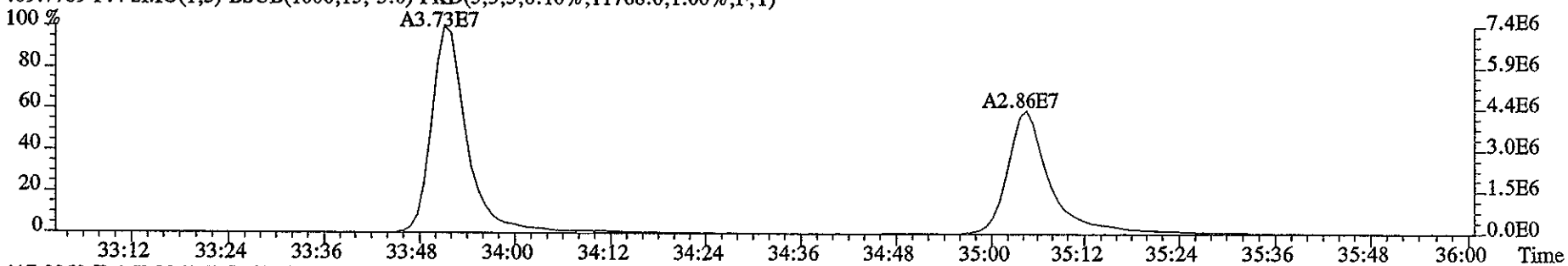


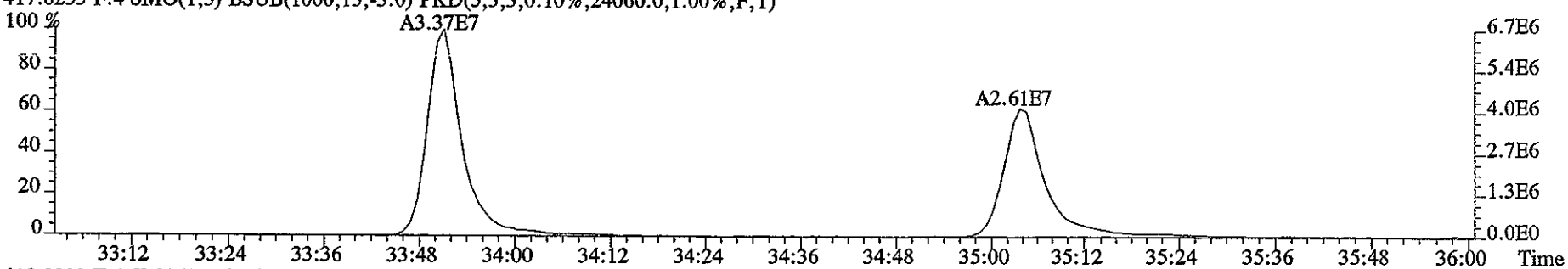
403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1288.0,1.00%,F,T)

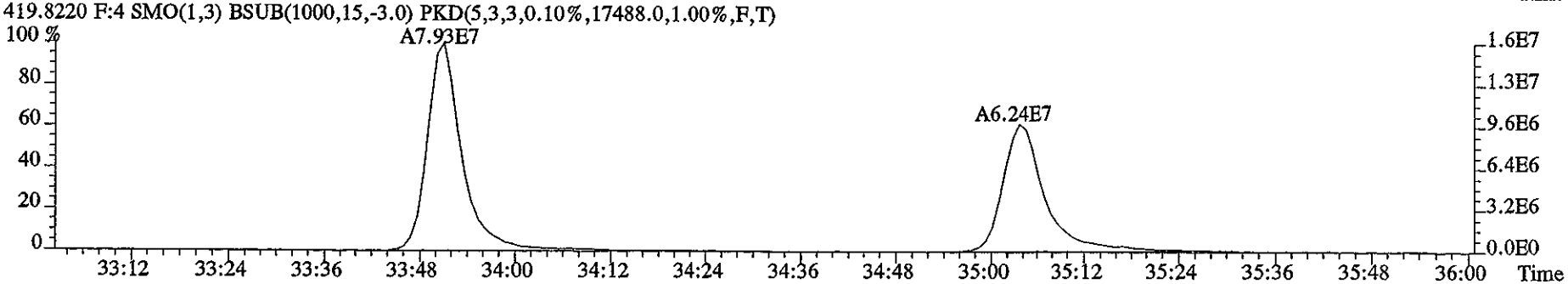


File:29AP101D5 #1-210 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

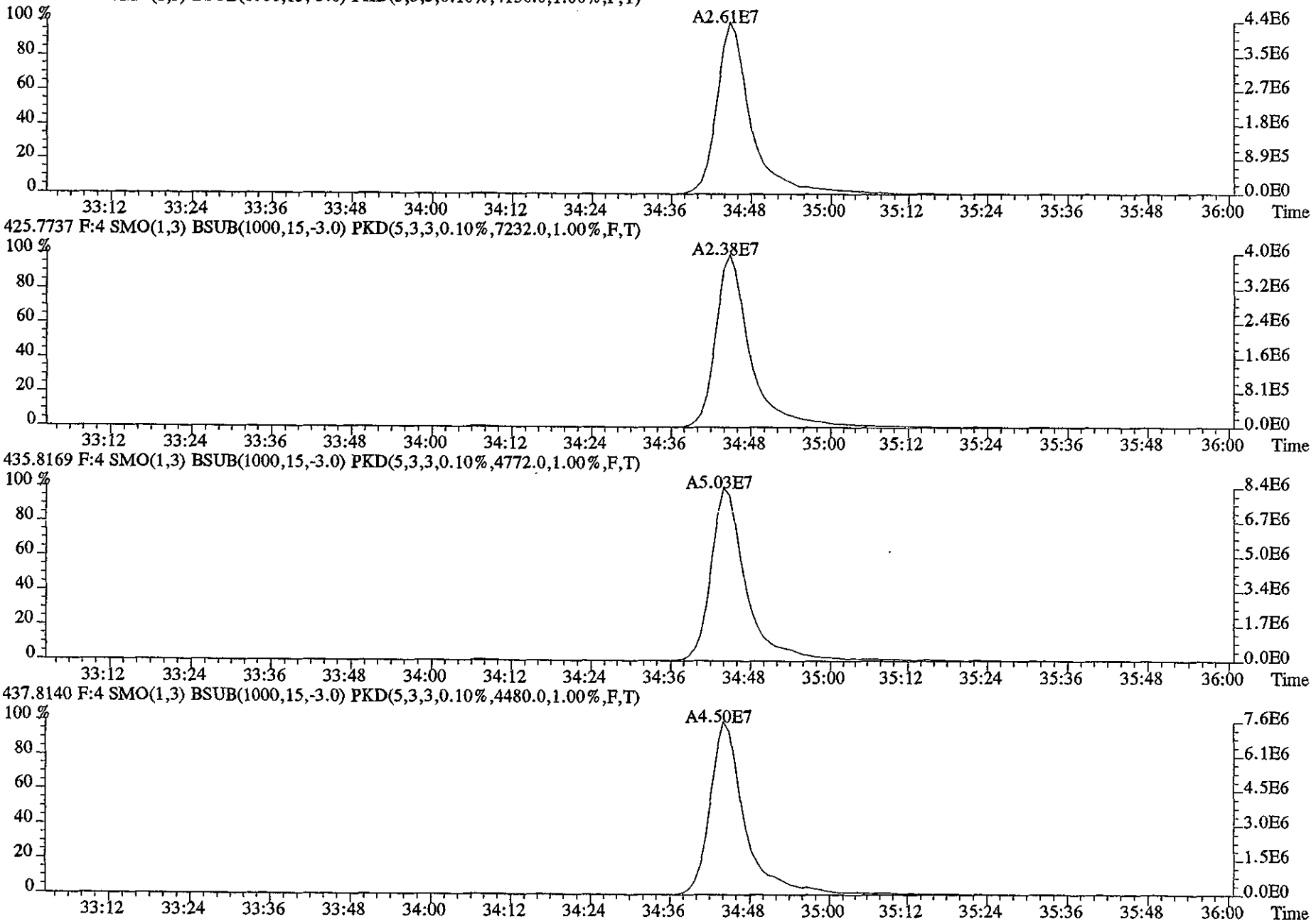




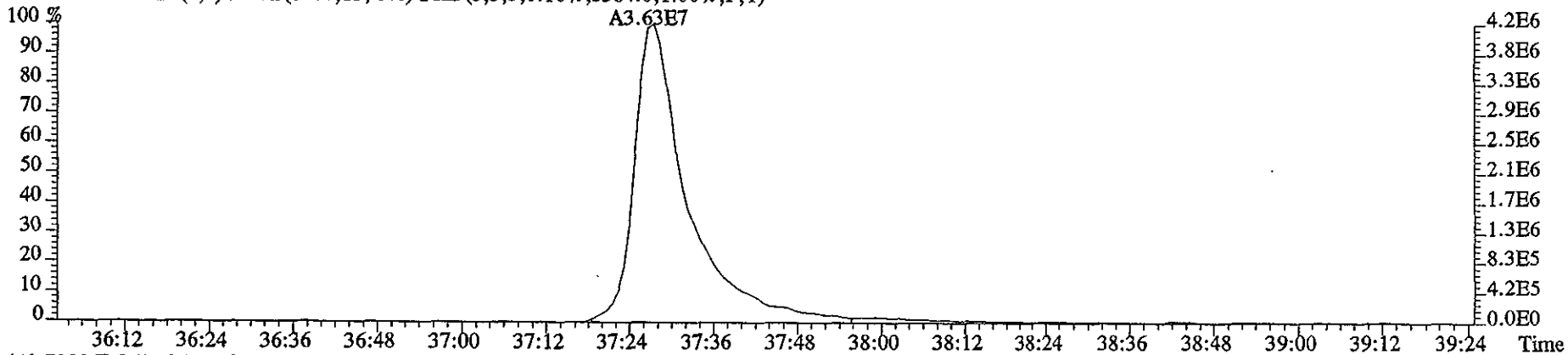




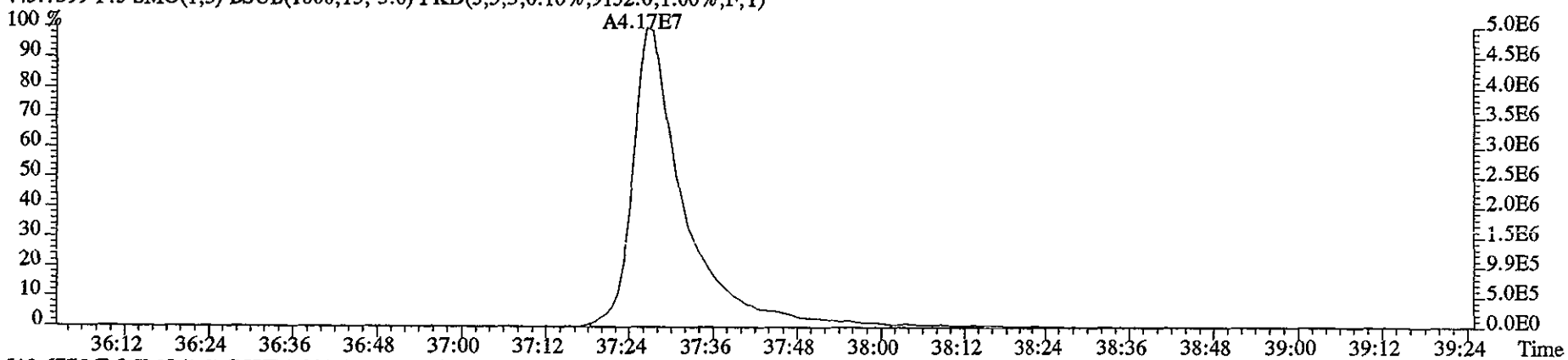
File:29AP101D5 #1-210 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES



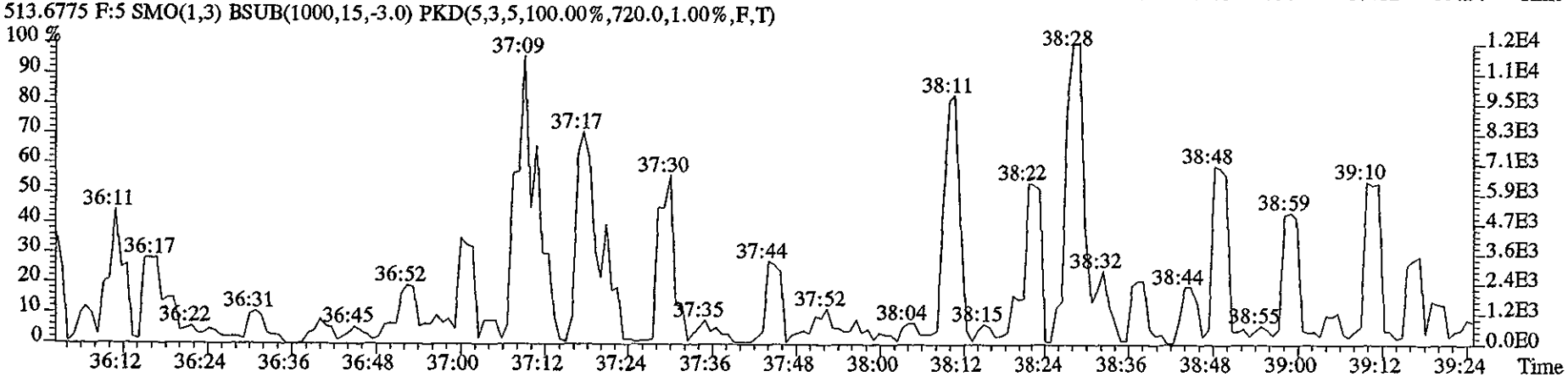
File:29AP101D5 #1-244 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5364.0,1.00%,F,T)



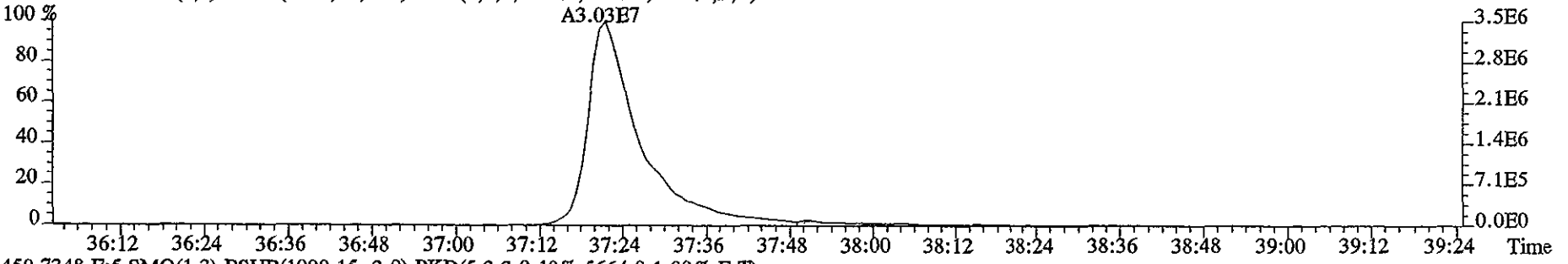
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9132.0,1.00%,F,T)



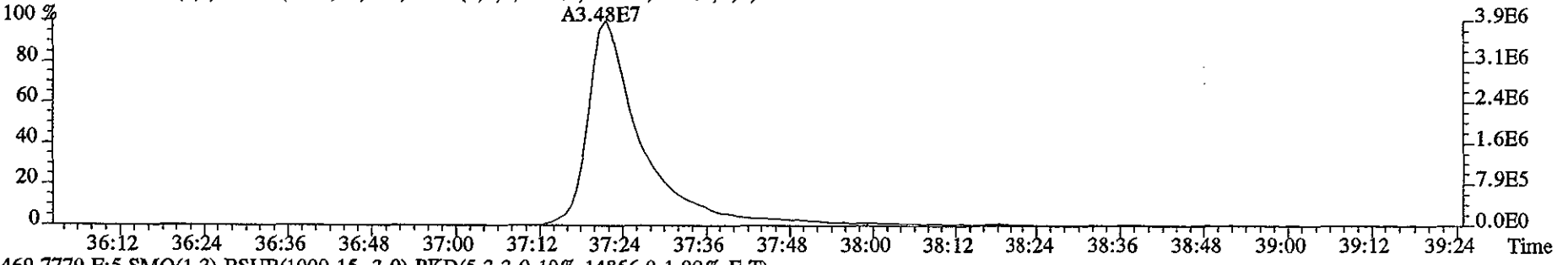
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,720.0,1.00%,F,T)



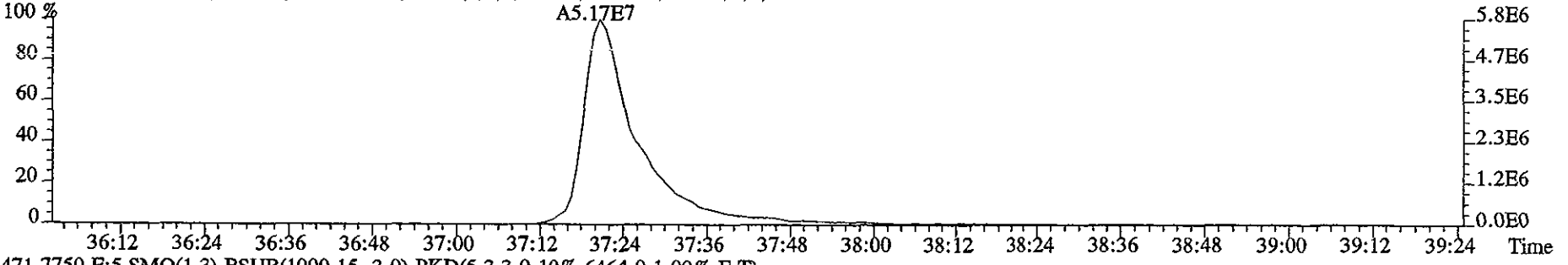
File:29AP101D5 #1-244 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3256.0,1.00%,F,T)



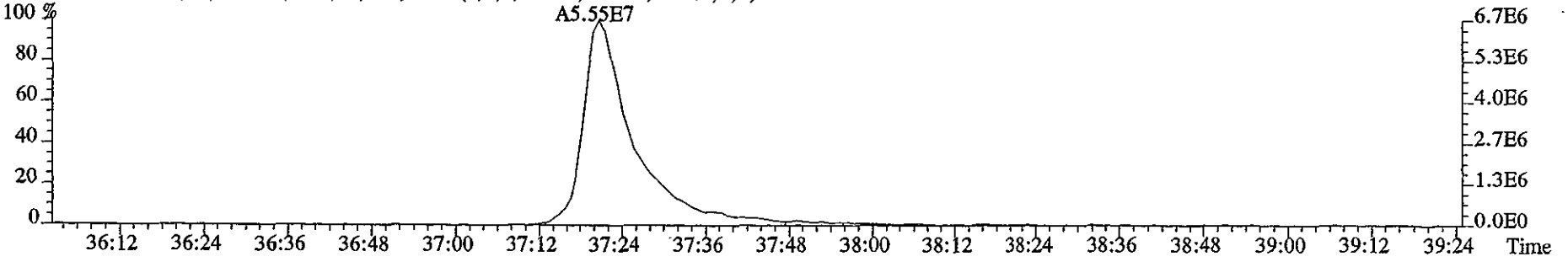
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5664.0,1.00%,F,T)



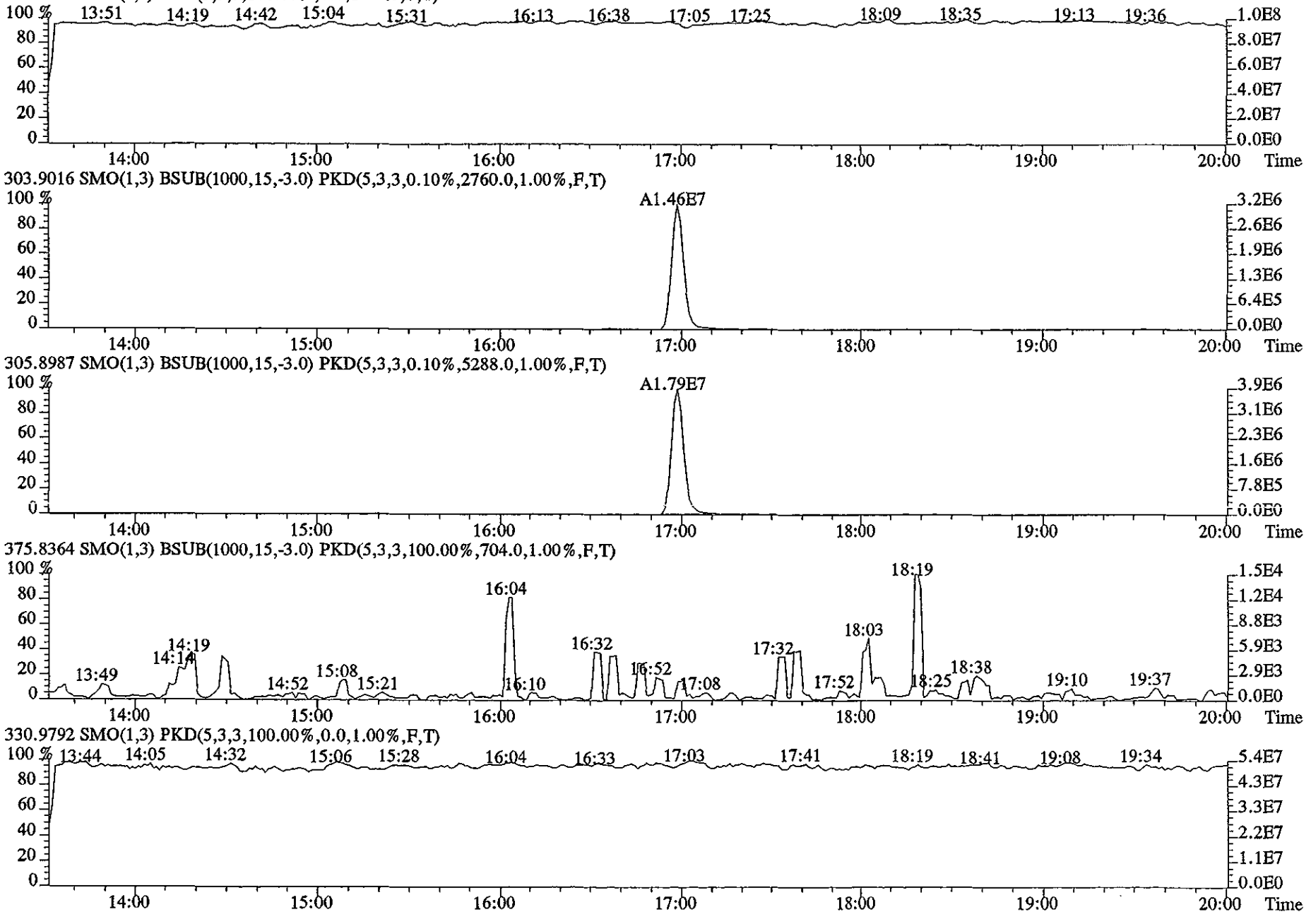
469.7779 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14856.0,1.00%,F,T)



471.7750 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6464.0,1.00%,F,T)

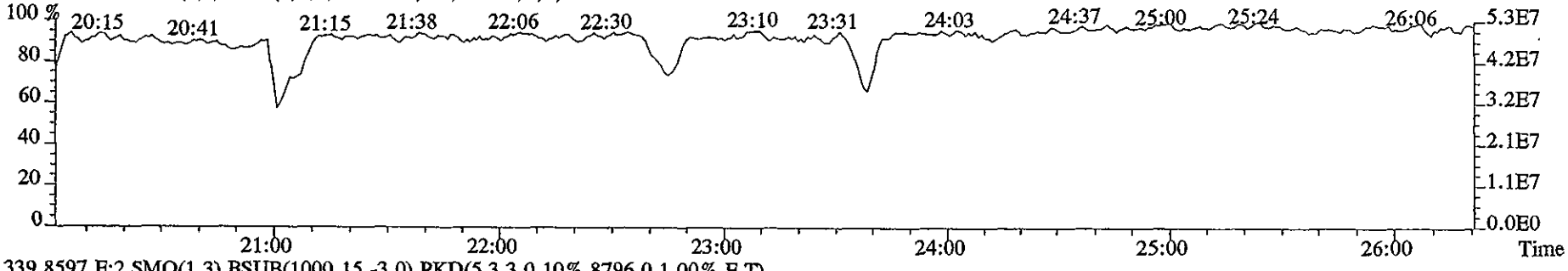


File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

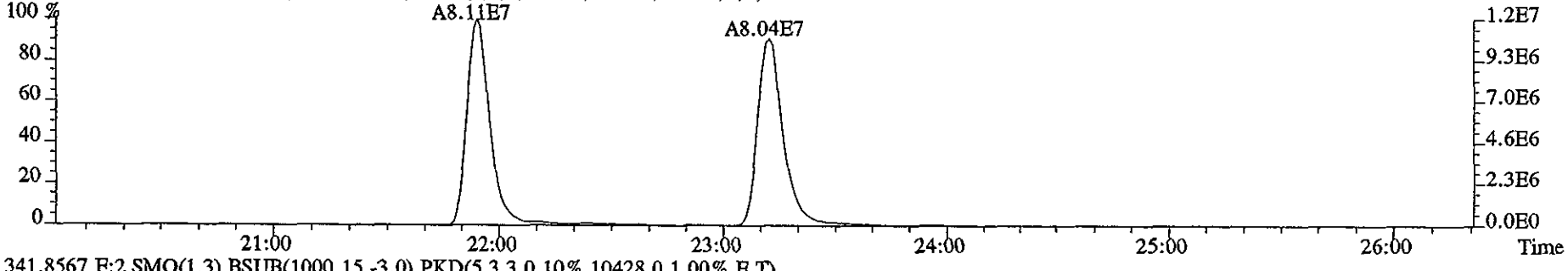


File:29AP101D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

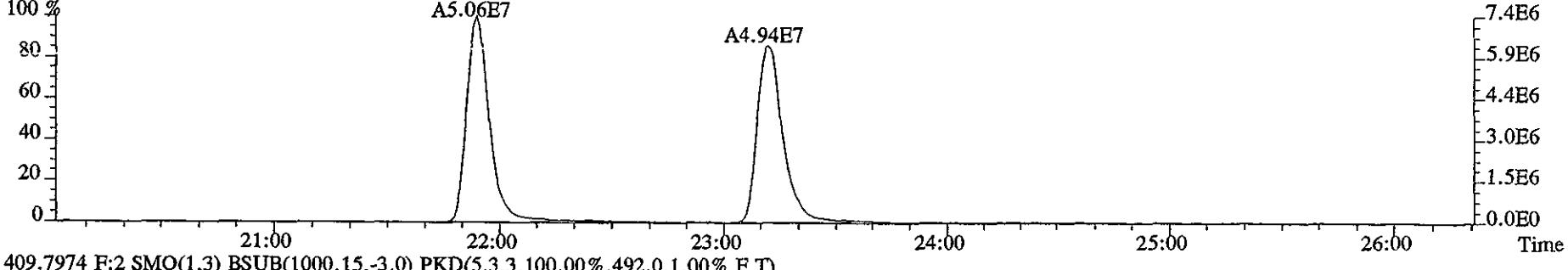
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



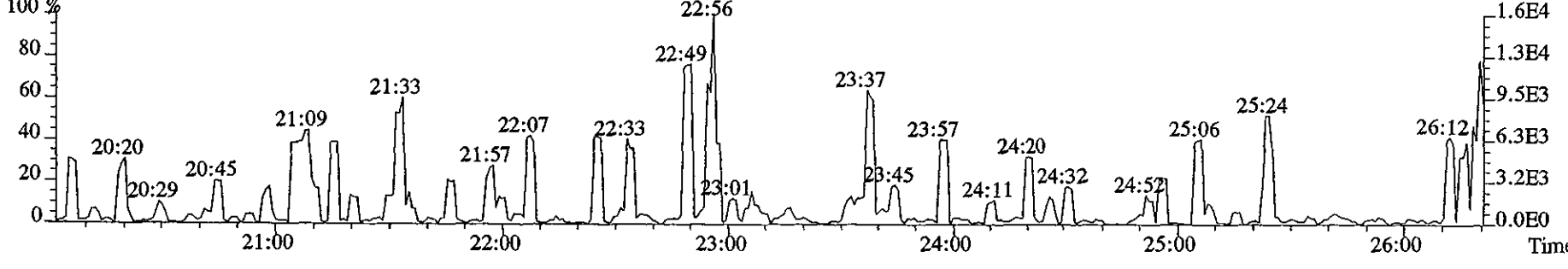
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8796.0,1.00%,F,T)



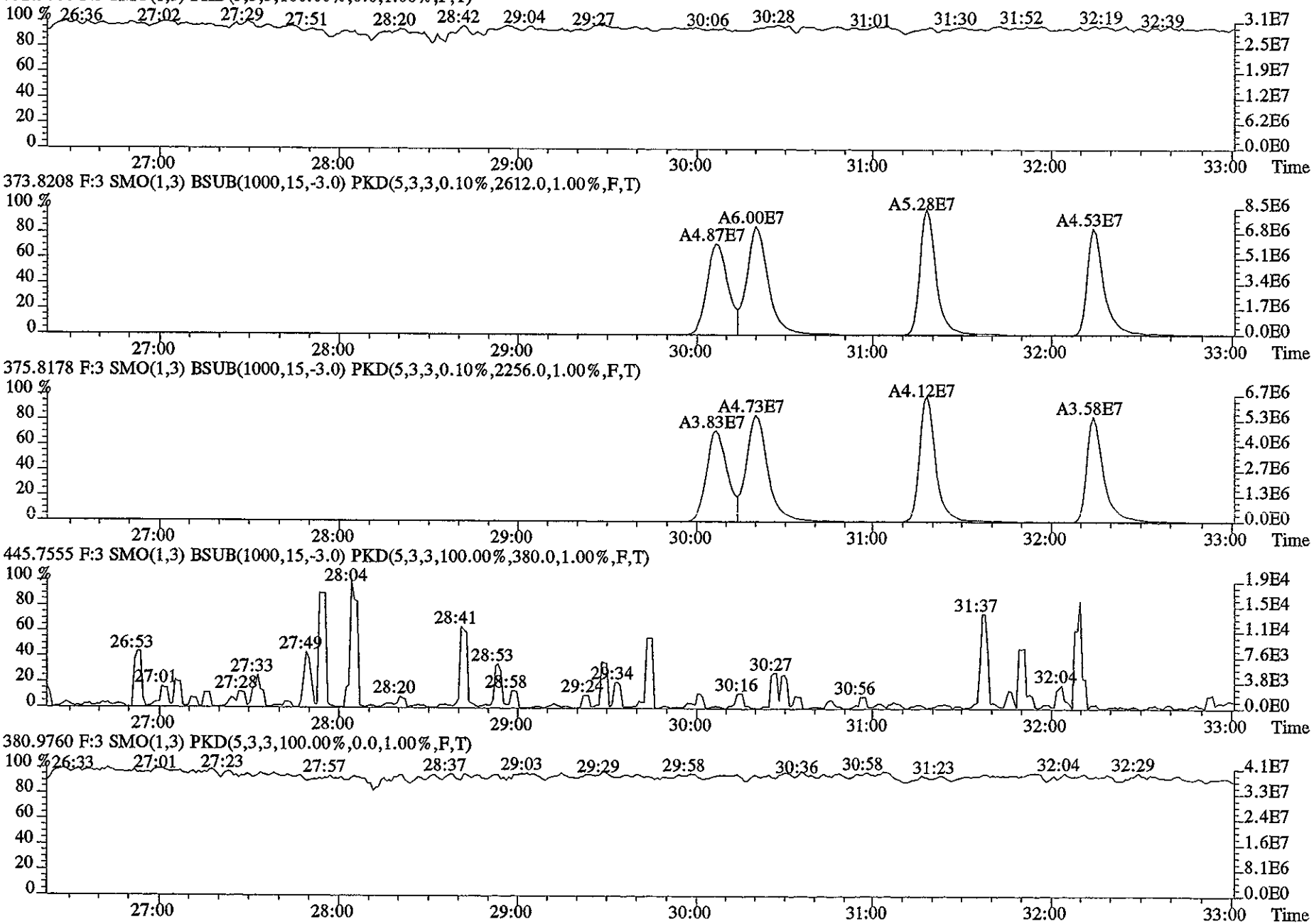
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10428.0,1.00%,F,T)



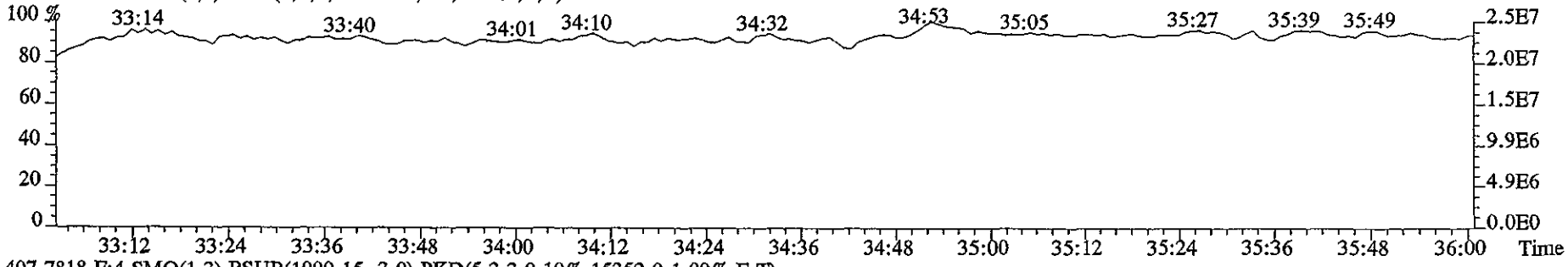
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,492.0,1.00%,F,T)

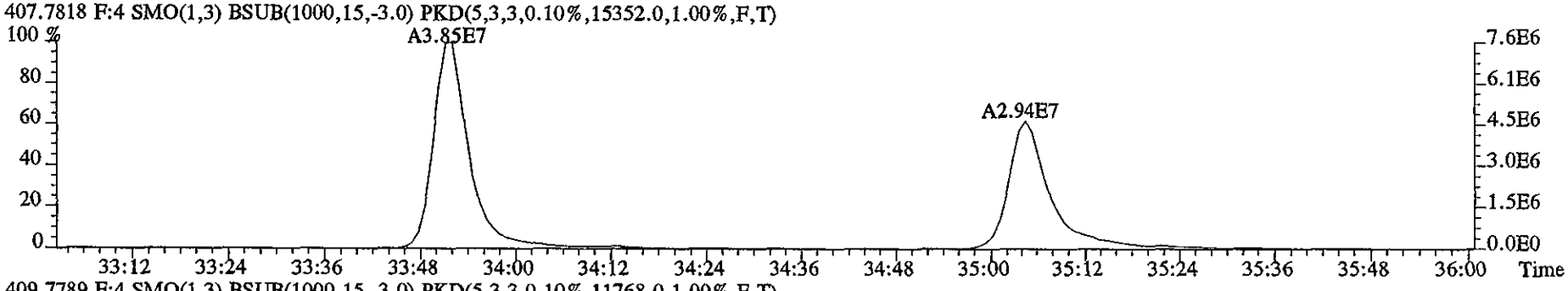


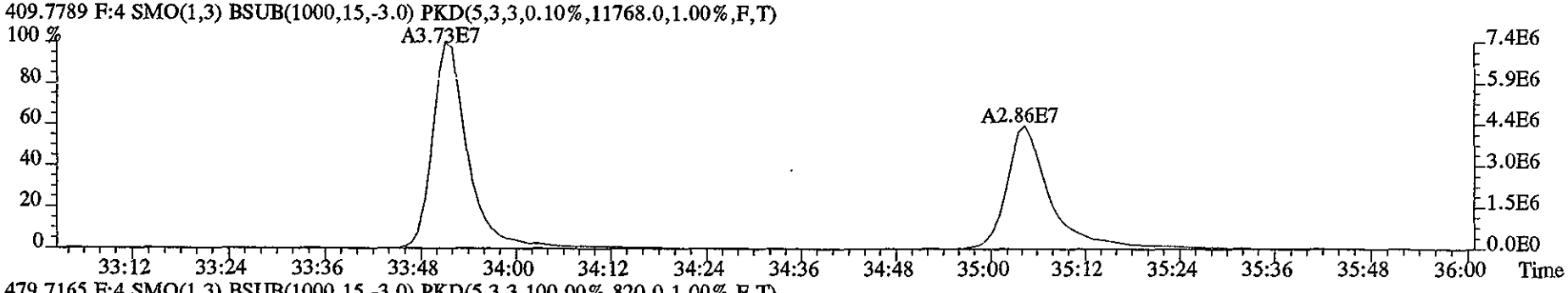
File:29AP101D5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

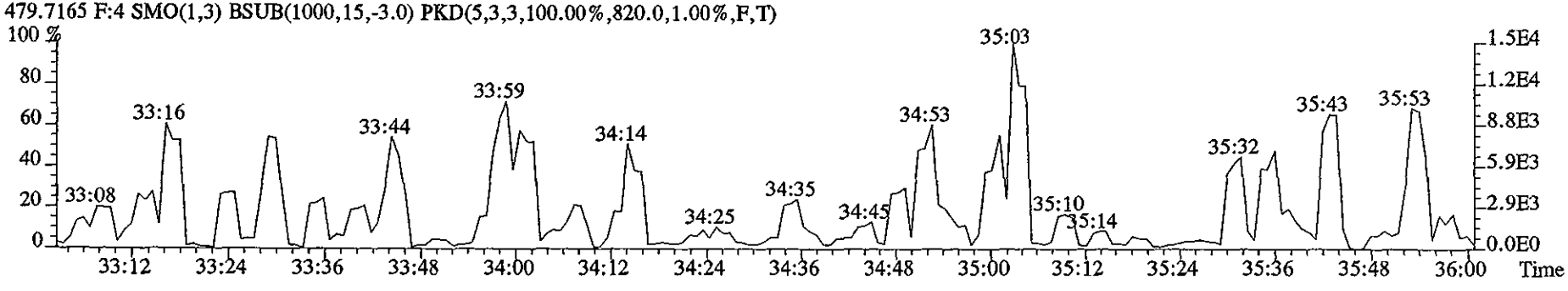


File:29AP101D5 #1-210 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

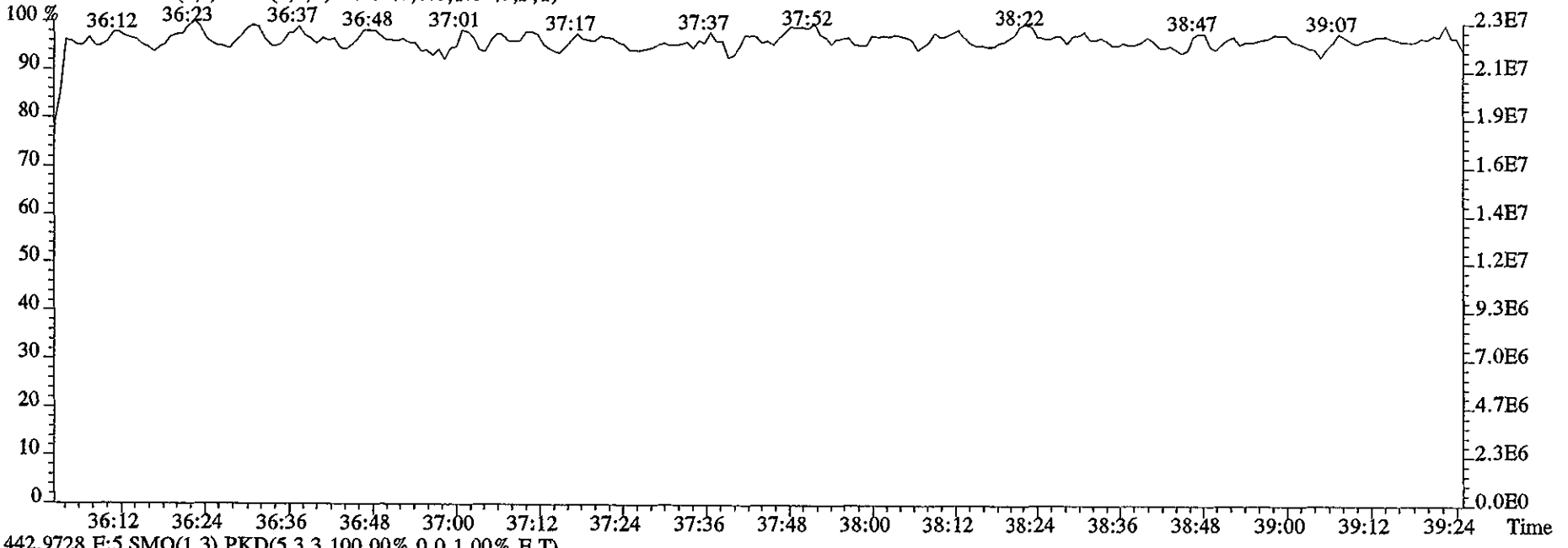




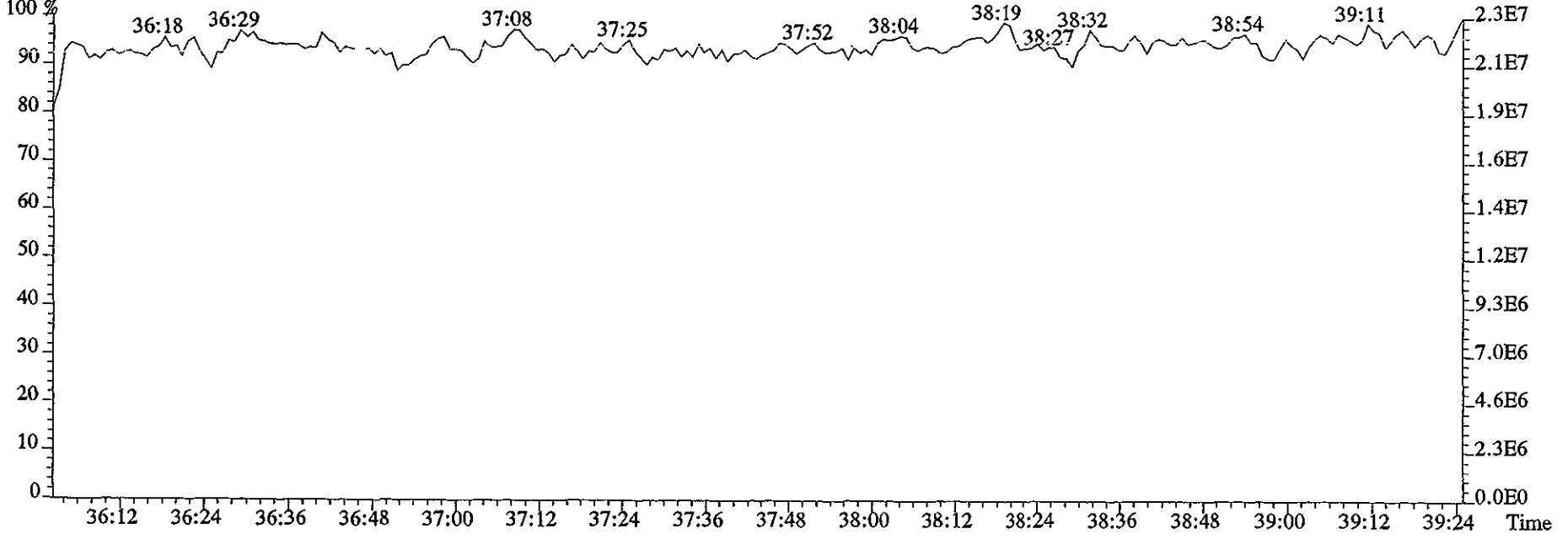




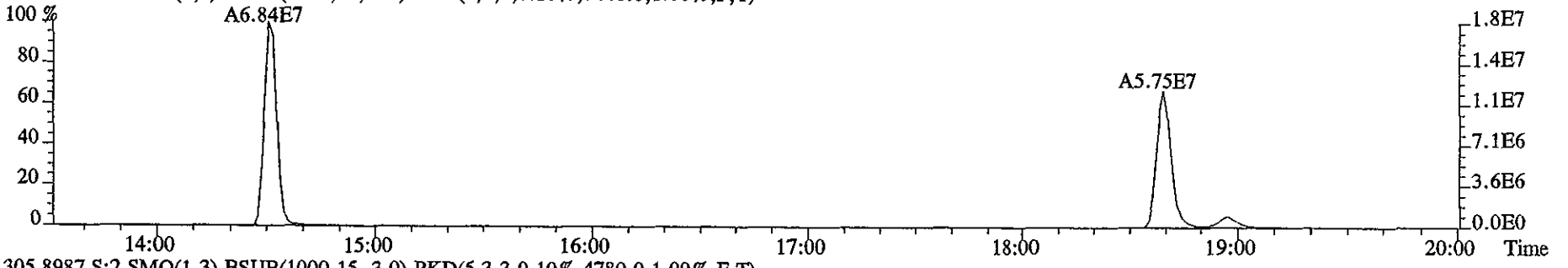
File:29AP101D5 #1-244 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

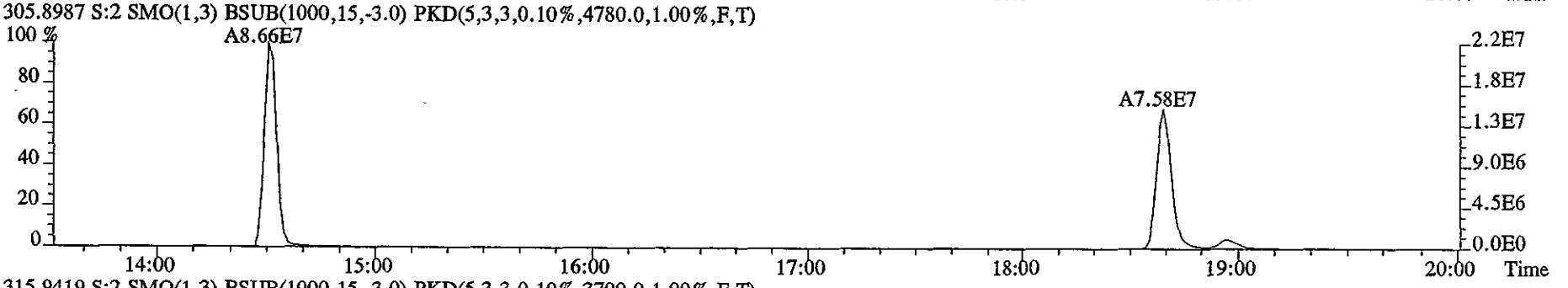


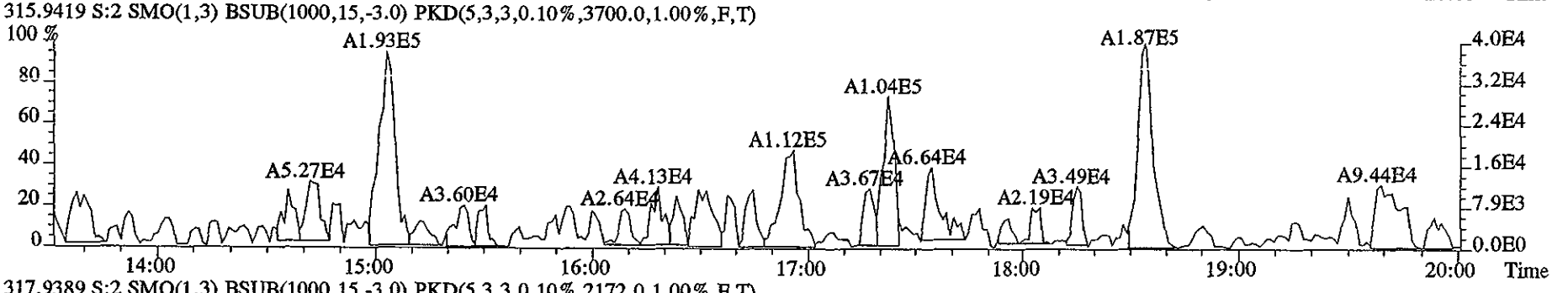
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

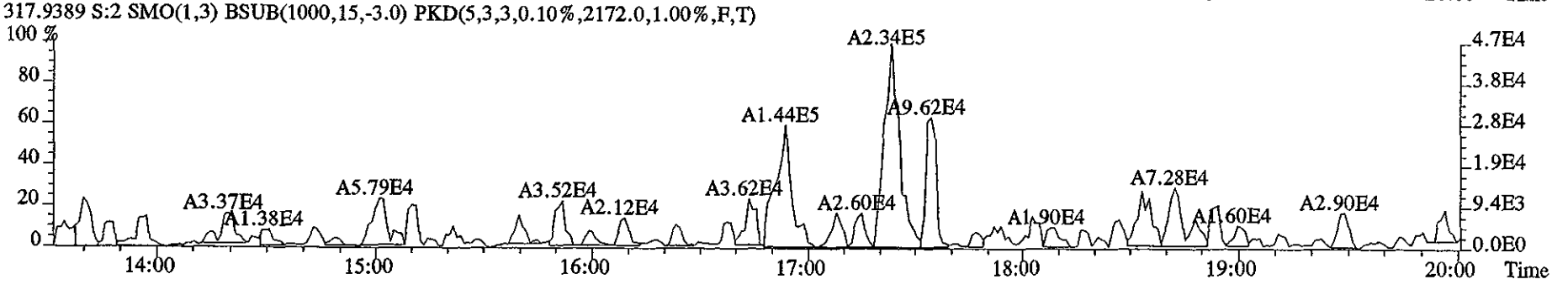


File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES



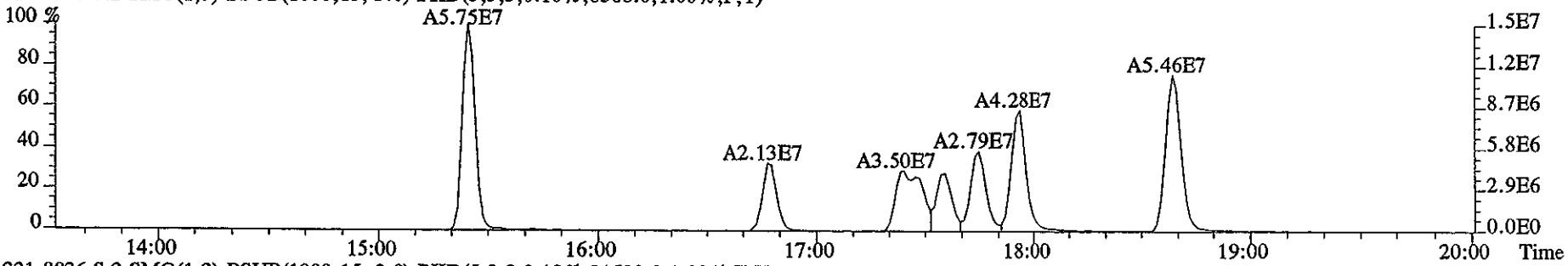




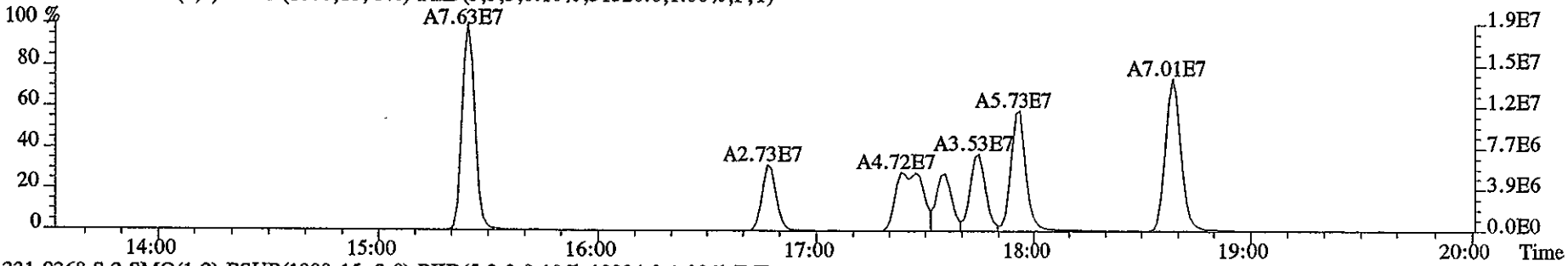


File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES

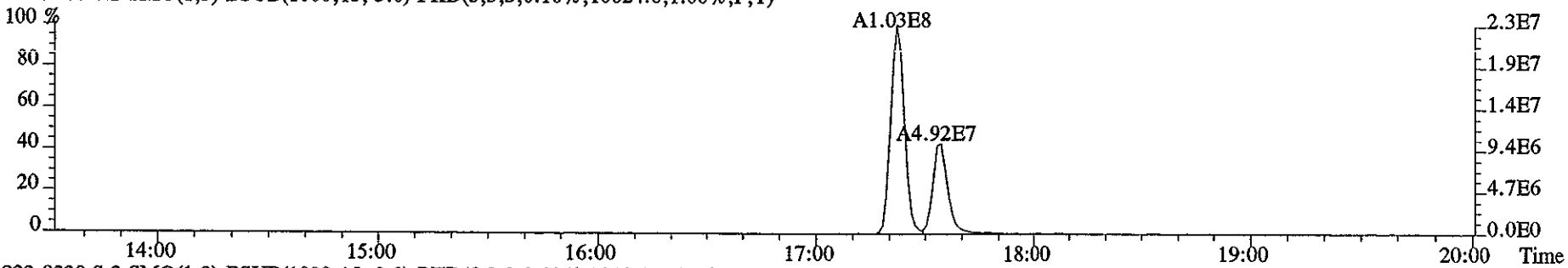
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8568.0,1.00%,F,T)



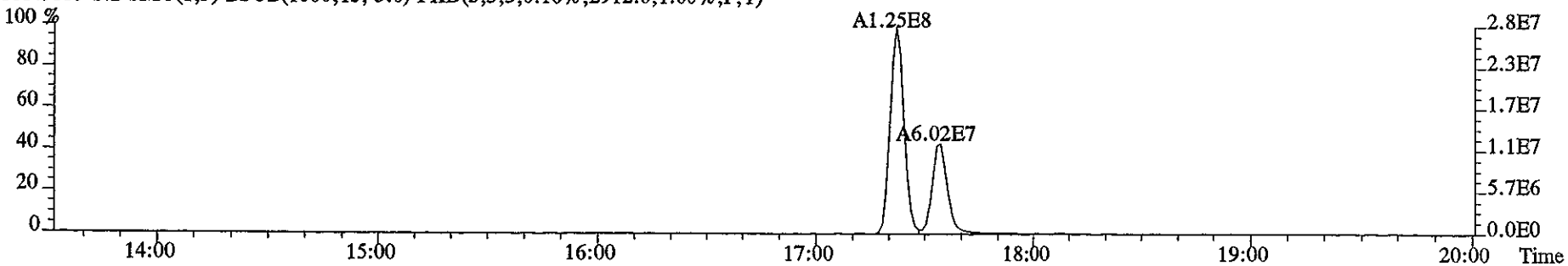
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31520.0,1.00%,F,T)



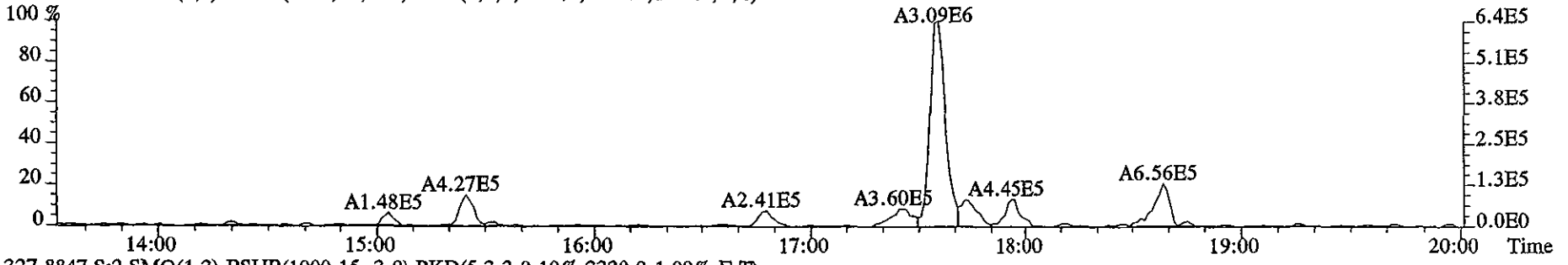
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10024.0,1.00%,F,T)



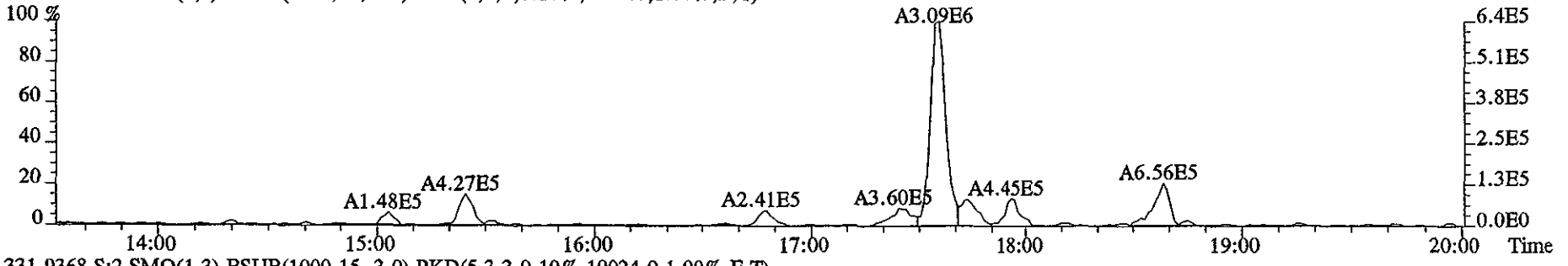
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)



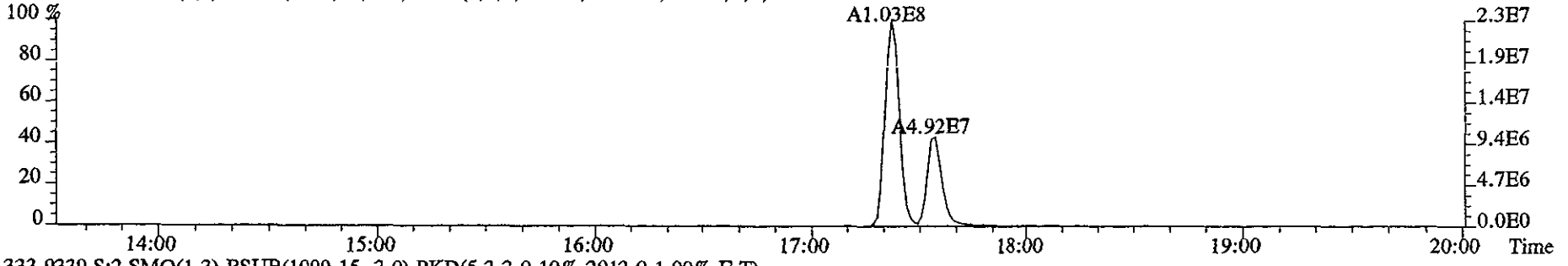
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



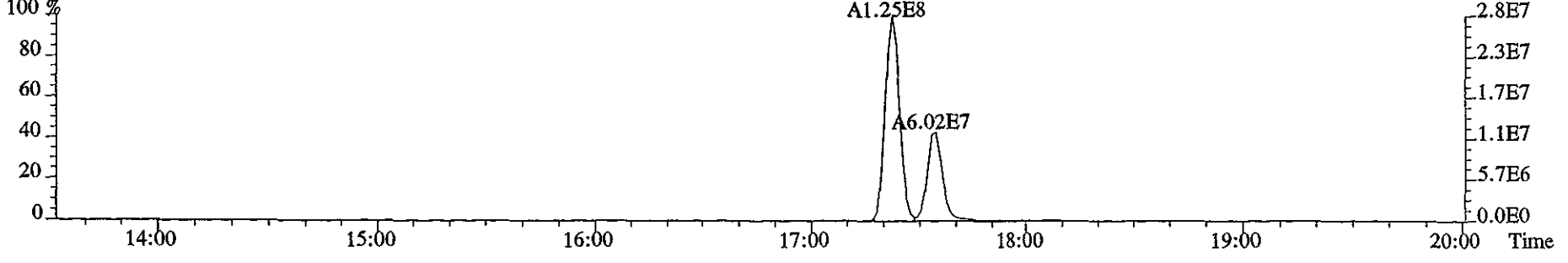
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



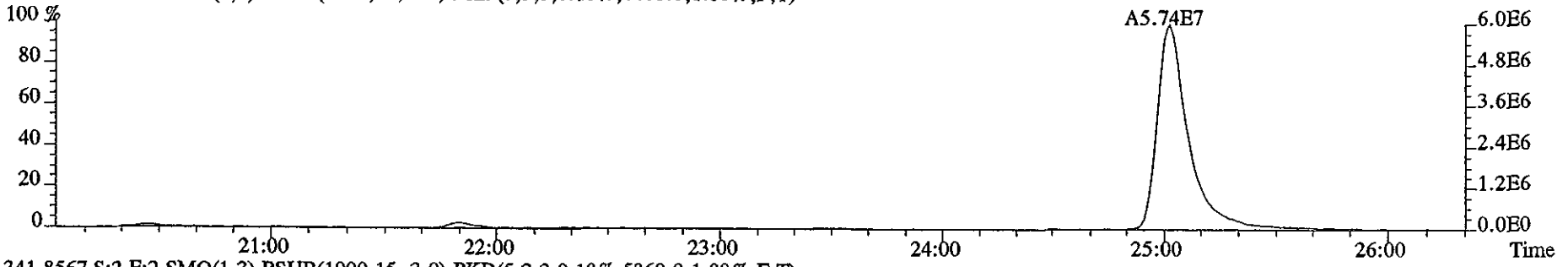
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10024.0,1.00%,F,T)

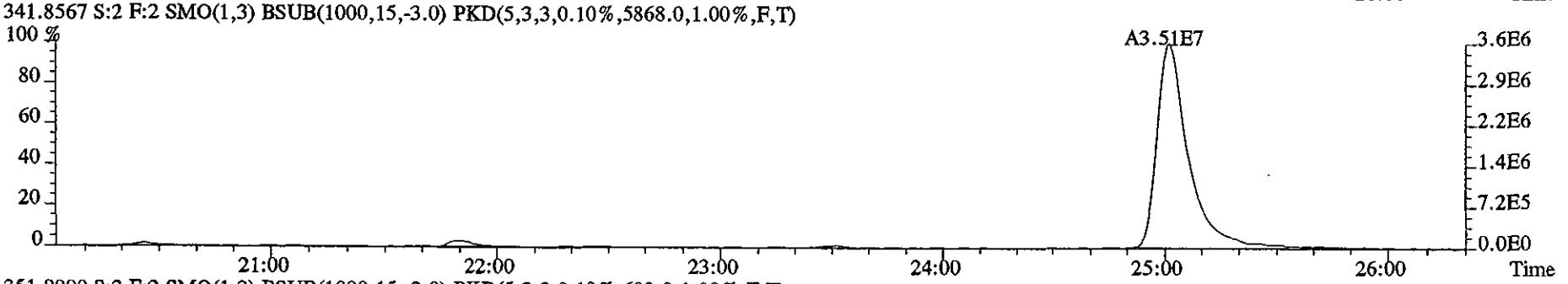


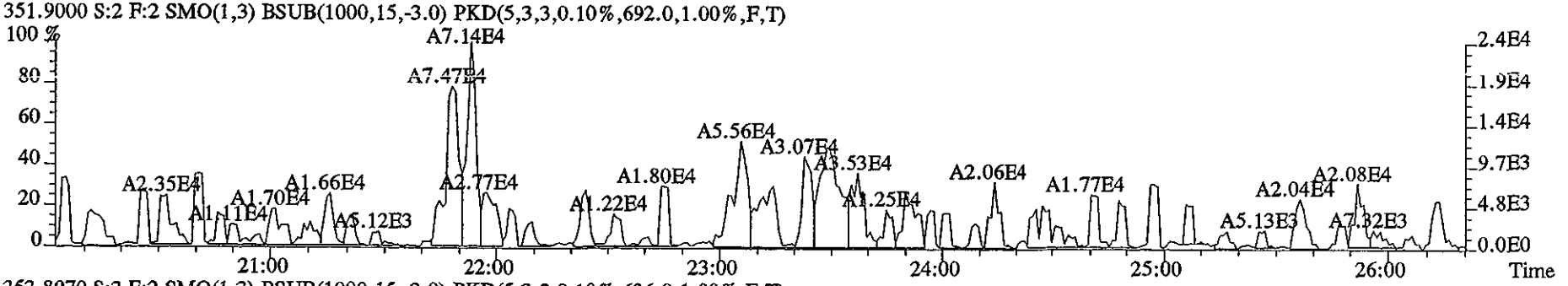
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)

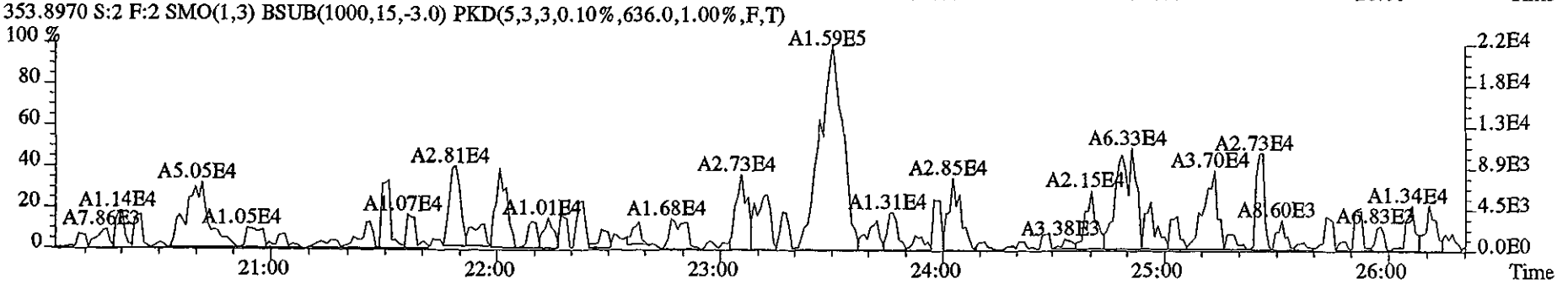


File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES

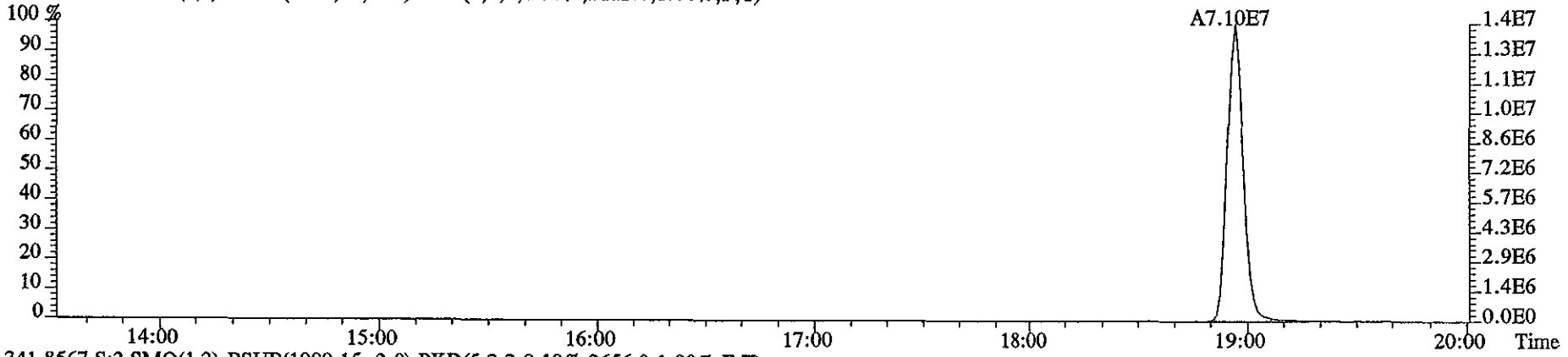




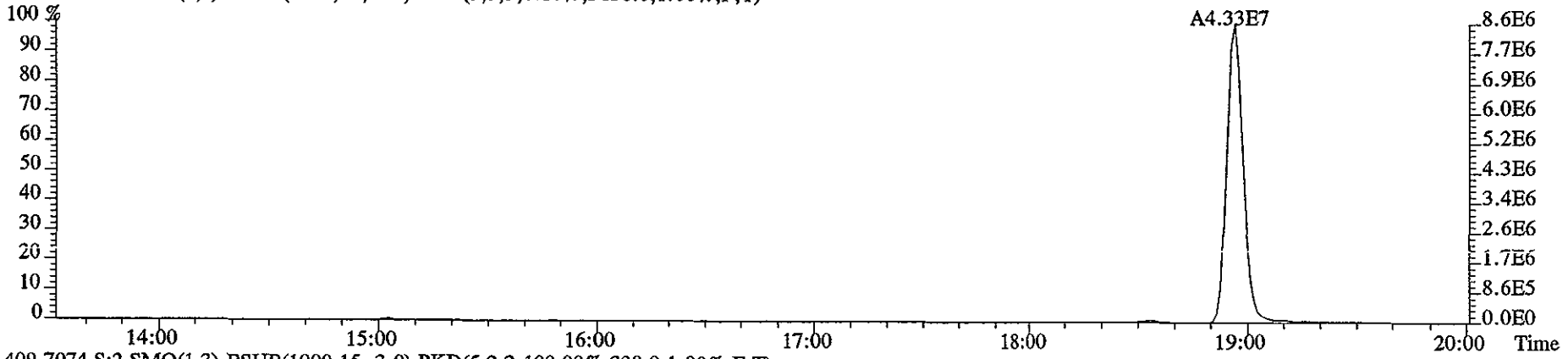




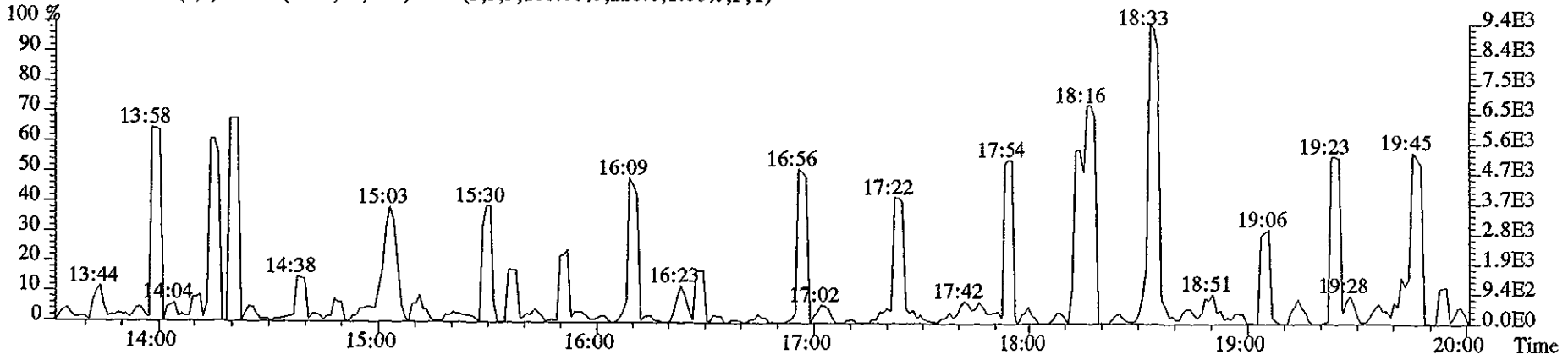
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2112.0,1.00%,F,T)



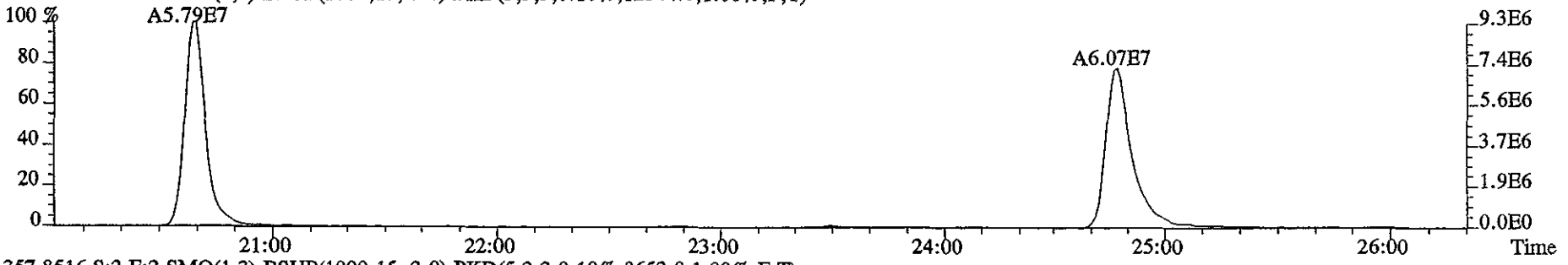
341.8567 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3656.0,1.00%,F,T)



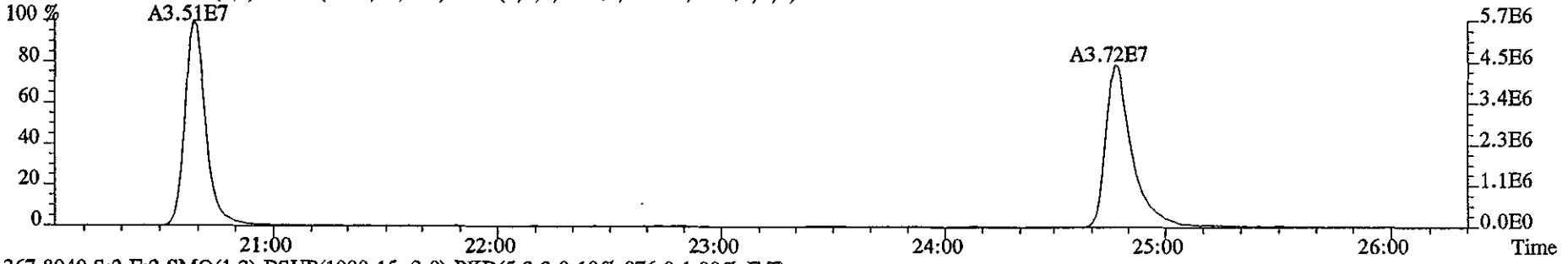
409.7974 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,228.0,1.00%,F,T)



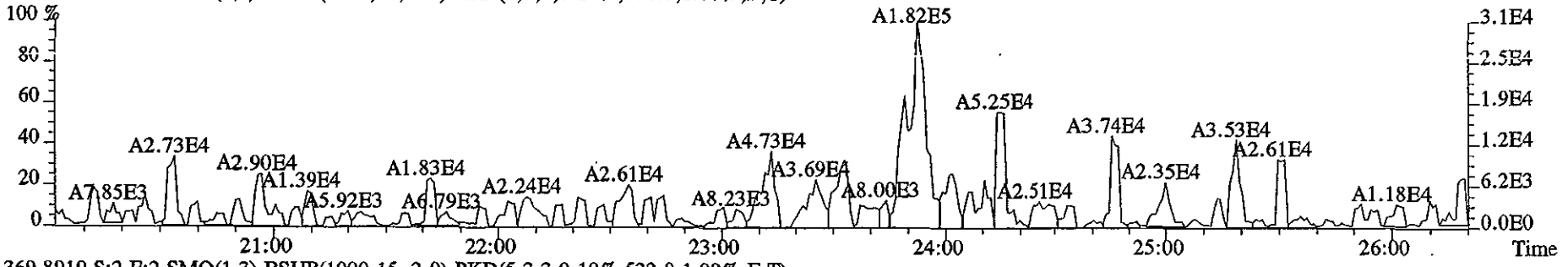
File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12544.0,1.00%,F,T)



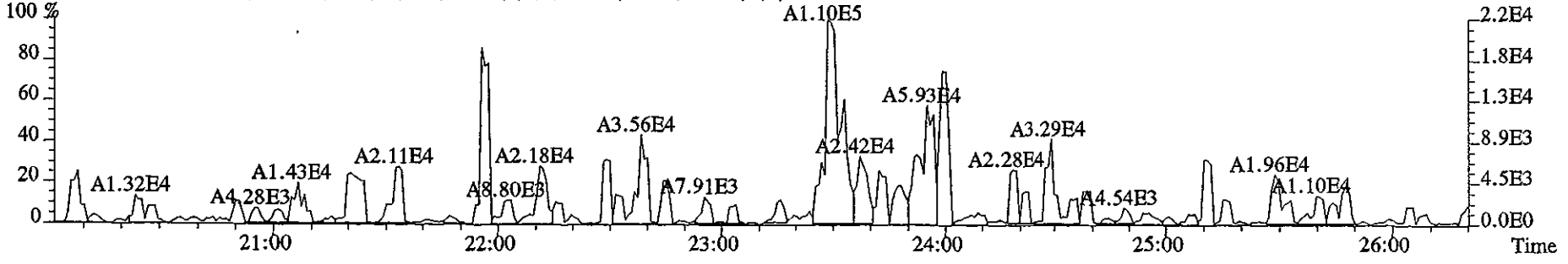
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8652.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,876.0,1.00%,F,T)

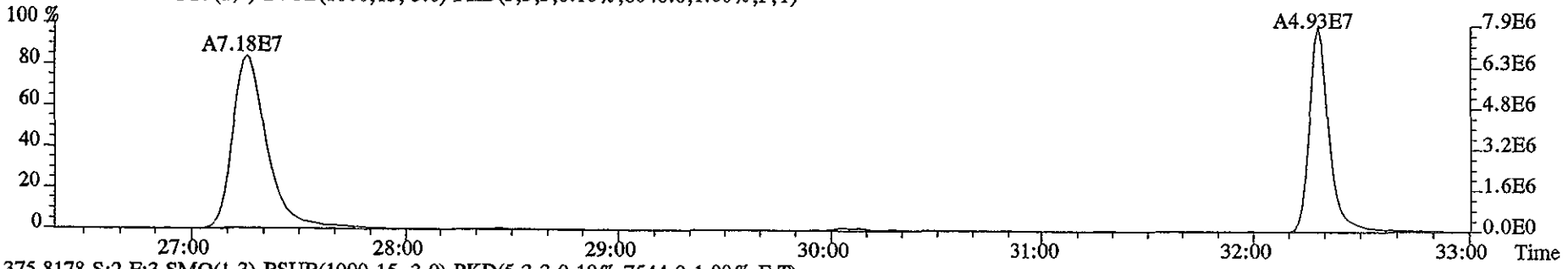


369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,532.0,1.00%,F,T)

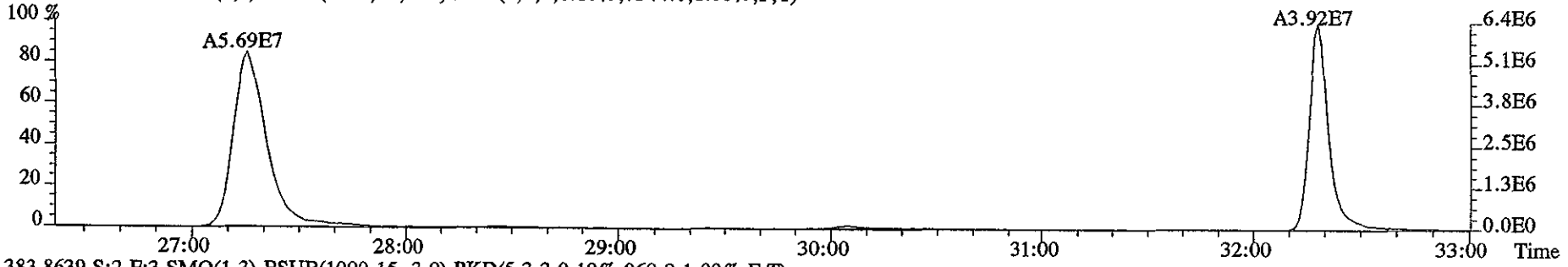


File:29AP101D5 #1-447 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES

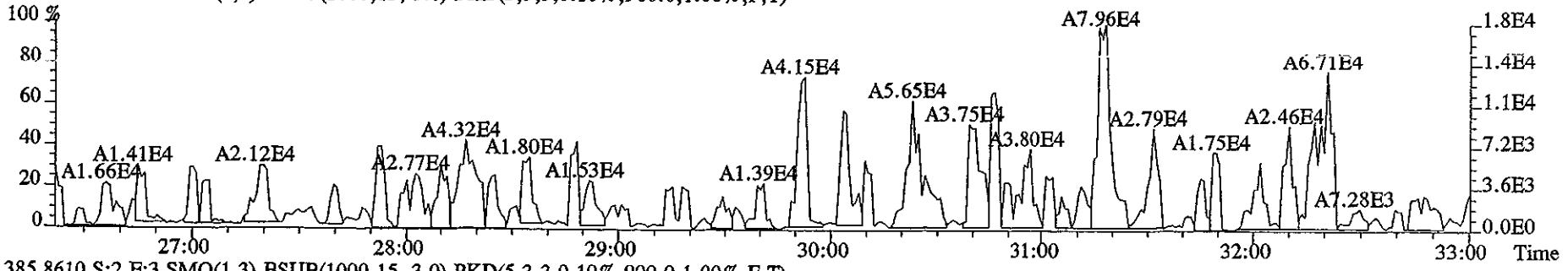
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8048.0,1.00%,F,T)



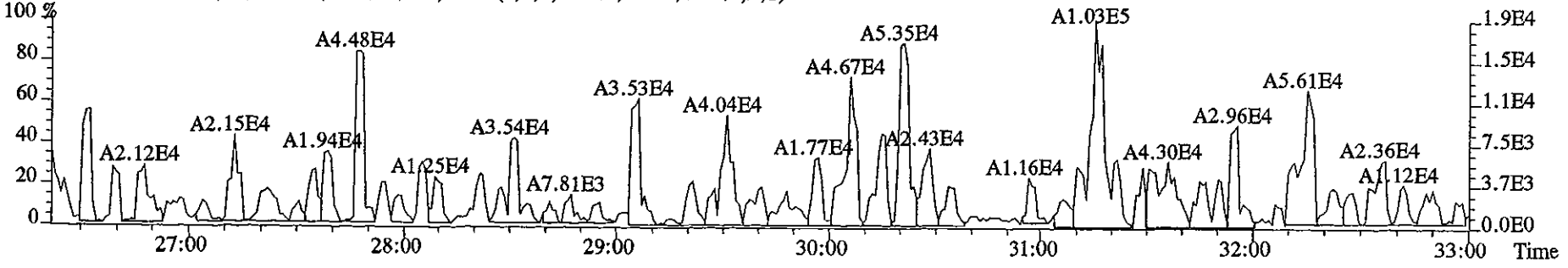
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7544.0,1.00%,F,T)



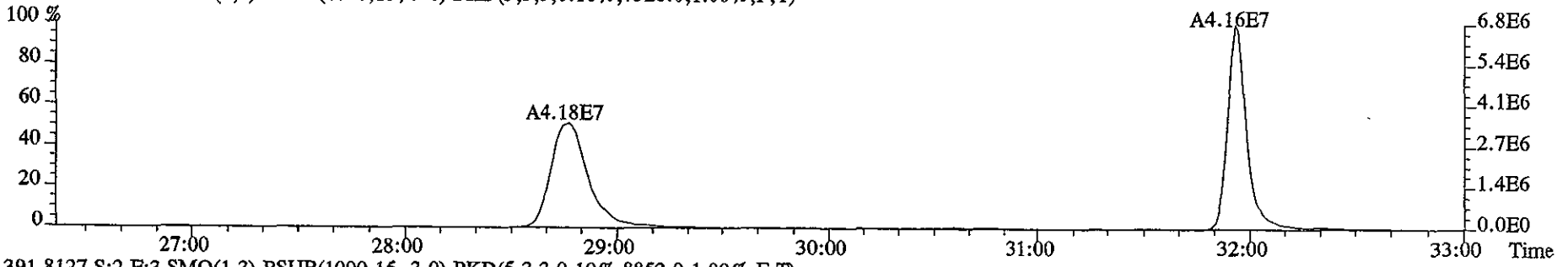
383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,960.0,1.00%,F,T)



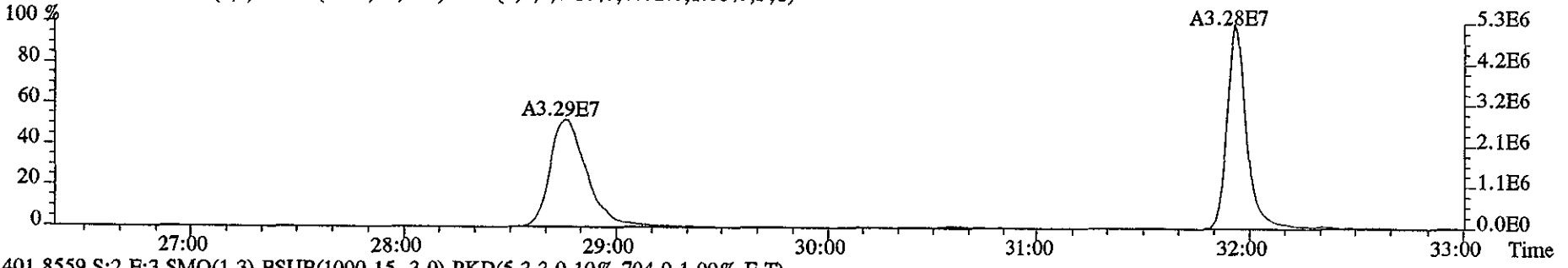
385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,900.0,1.00%,F,T)



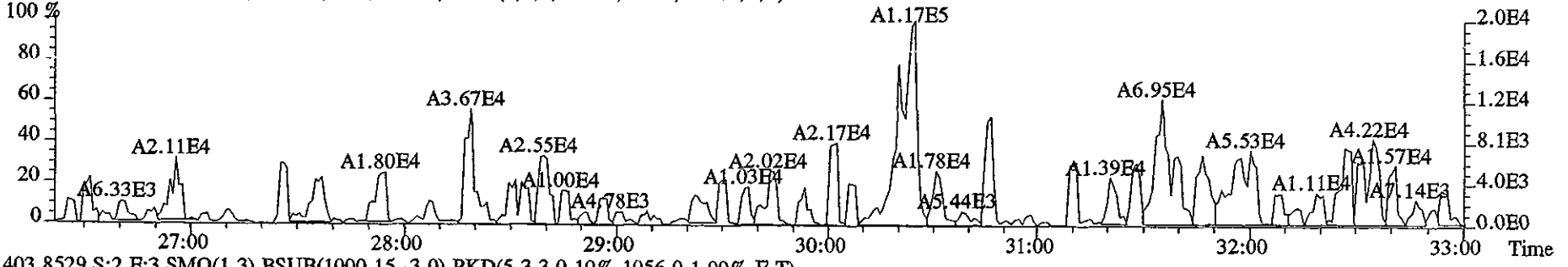
File:29AP101D5 #1-447 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7328.0,1.00%,F,T)



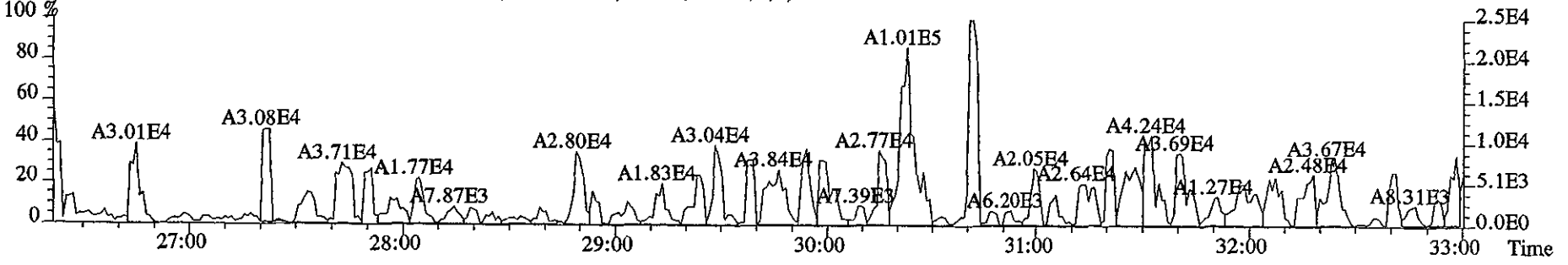
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8852.0,1.00%,F,T)



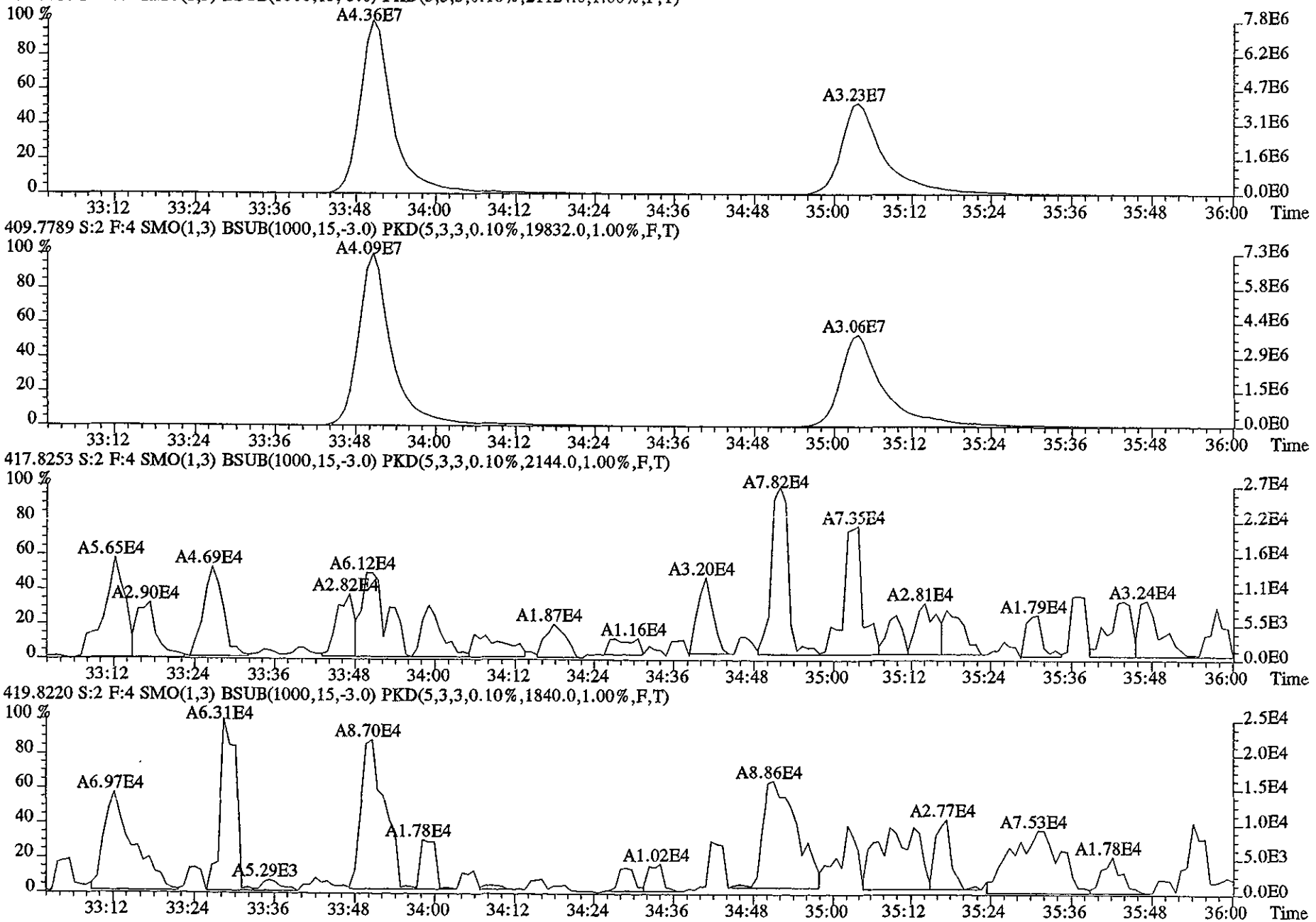
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,704.0,1.00%,F,T)



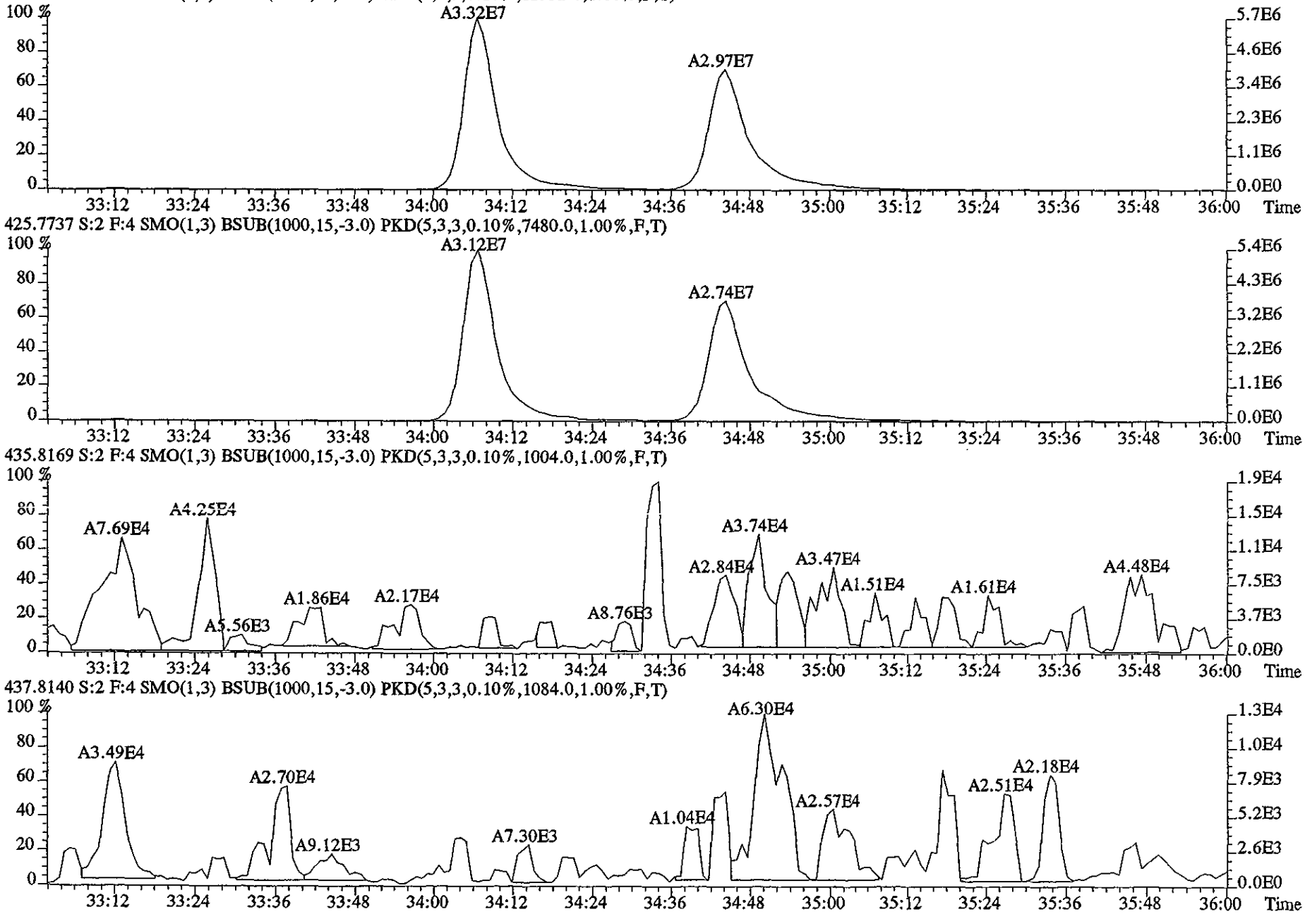
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1056.0,1.00%,F,T)



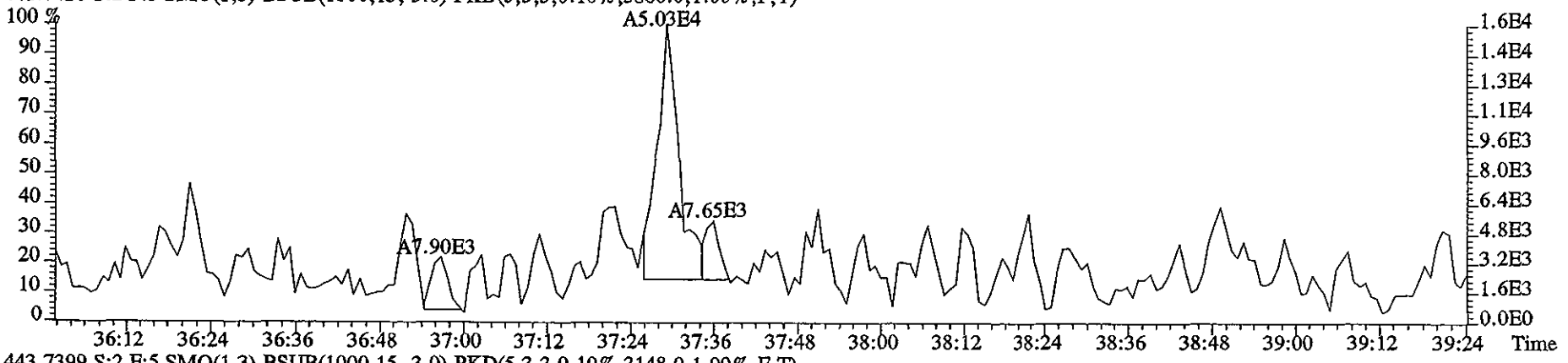
File:29AP101D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES



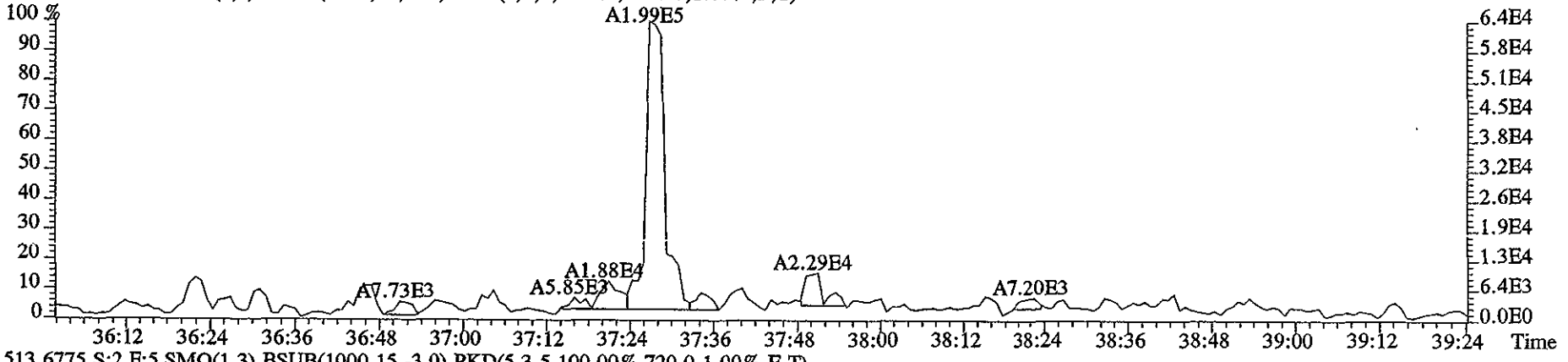
File:29AP101D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES



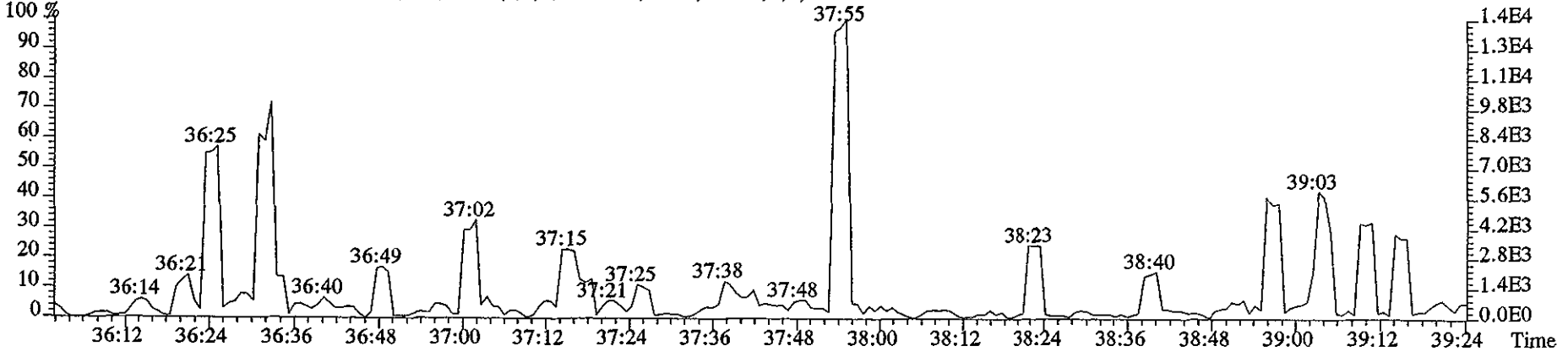
File:29AP101D5 #1-244 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3880.0,1.00%,F,T)



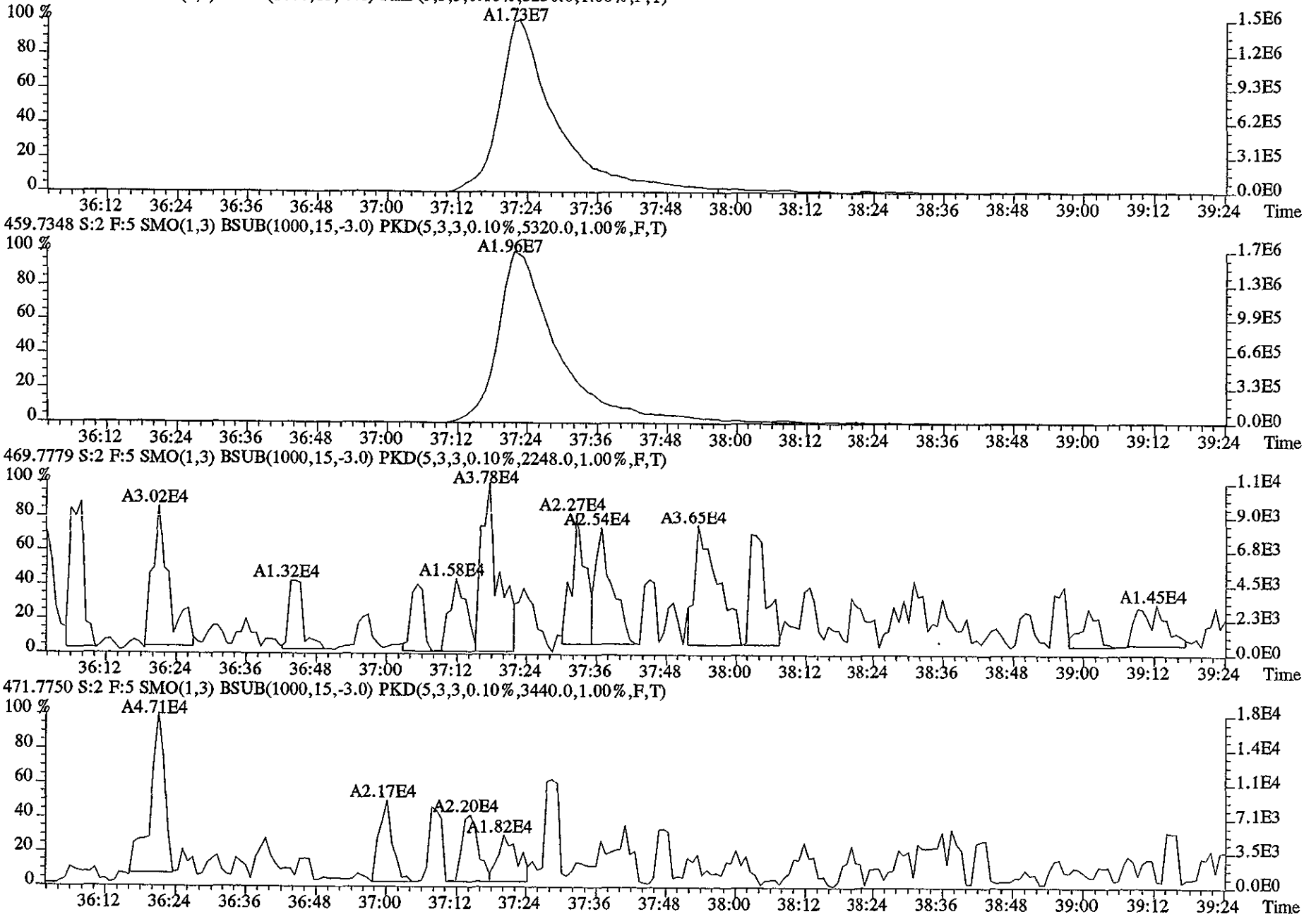
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3148.0,1.00%,F,T)



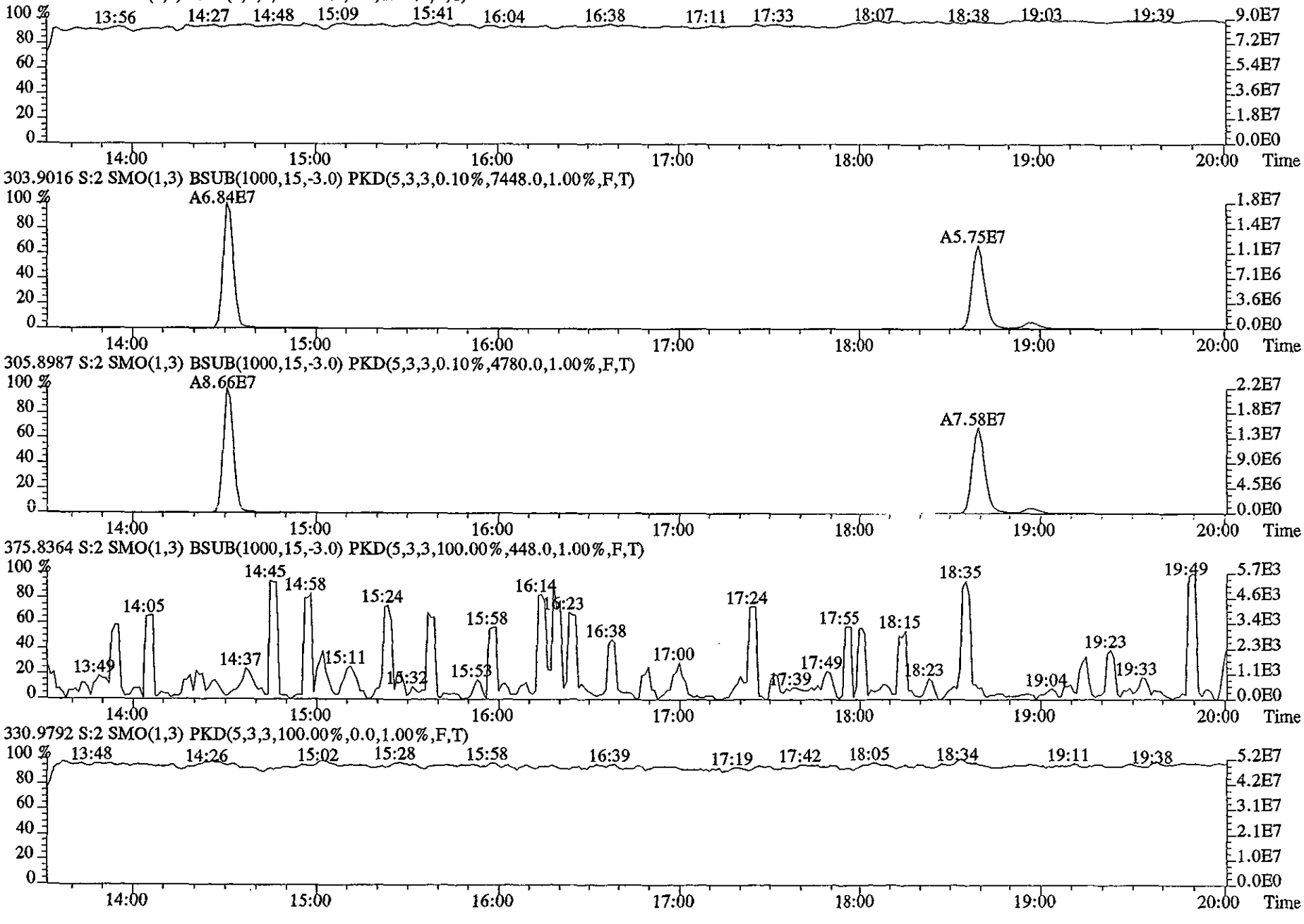
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,720.0,1.00%,F,T)



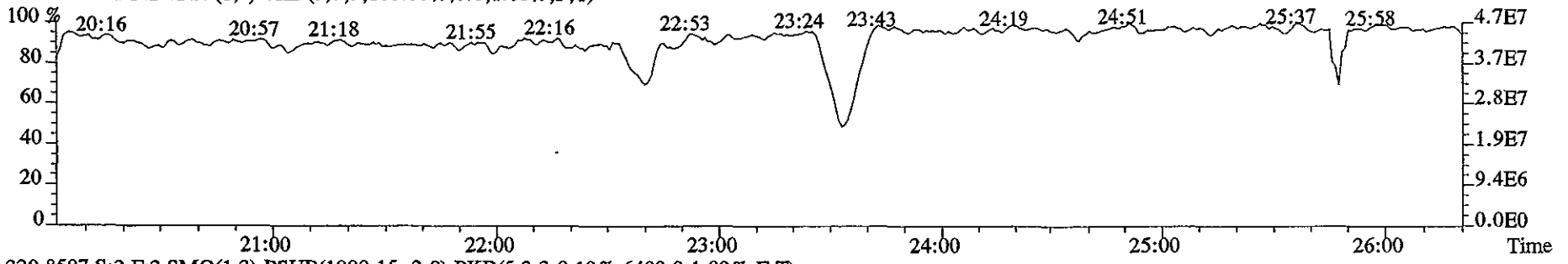
File:29AP101D5 #1-244 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES



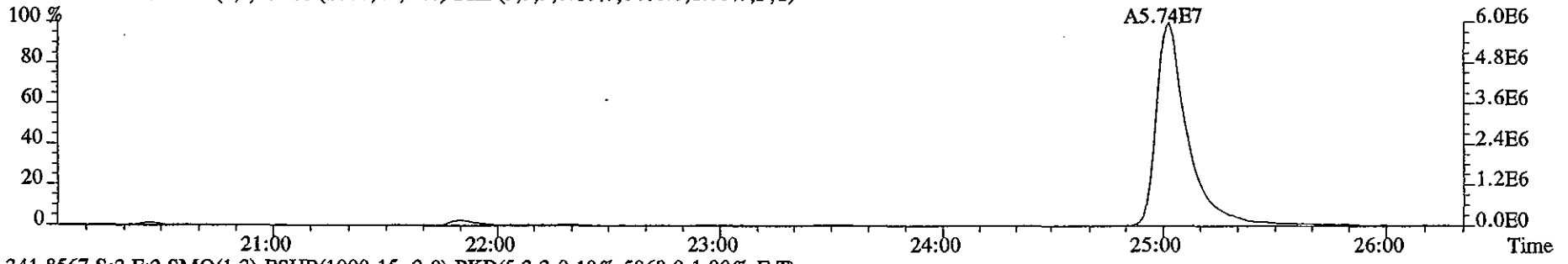
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES



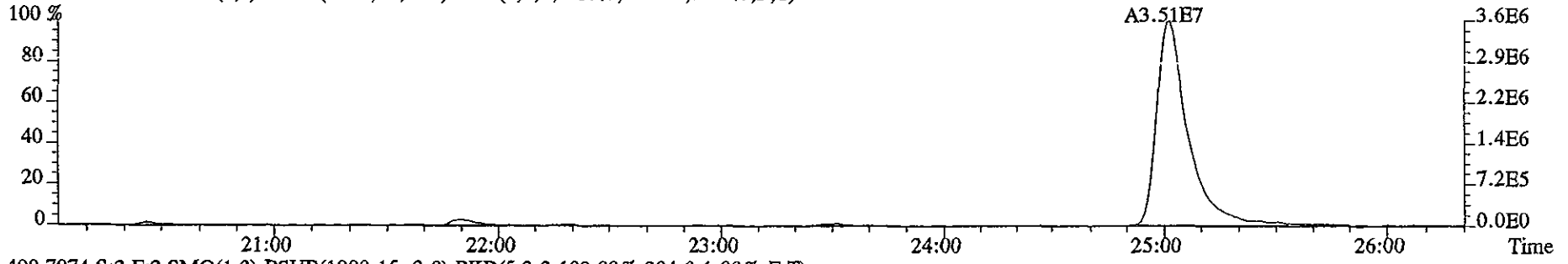
File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



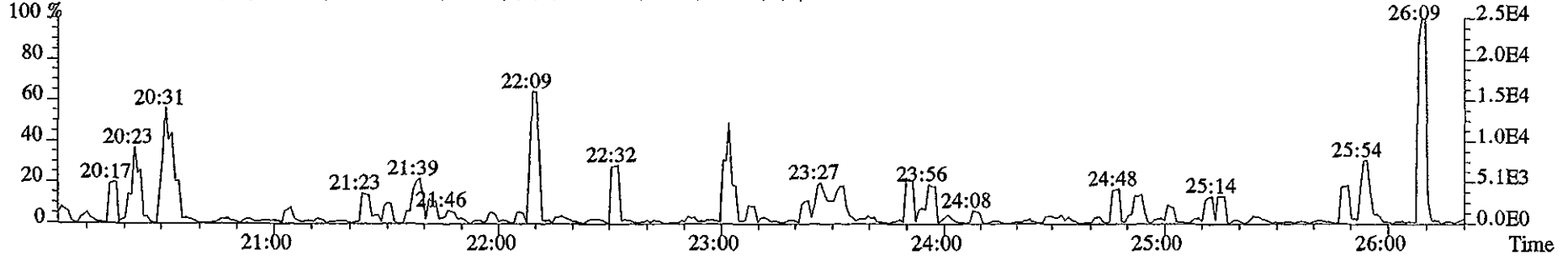
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6480.0,1.00%,F,T)



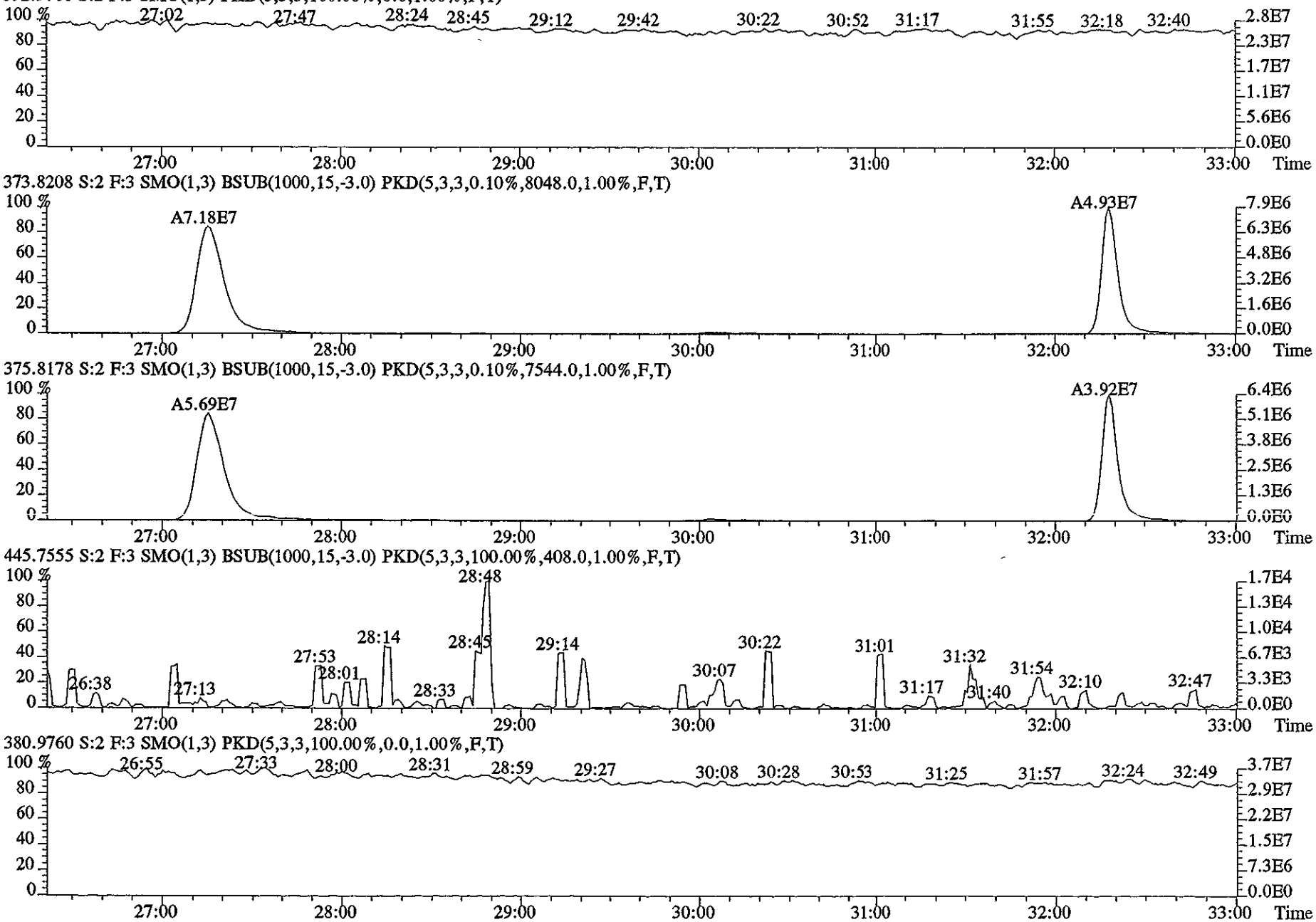
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5868.0,1.00%,F,T)



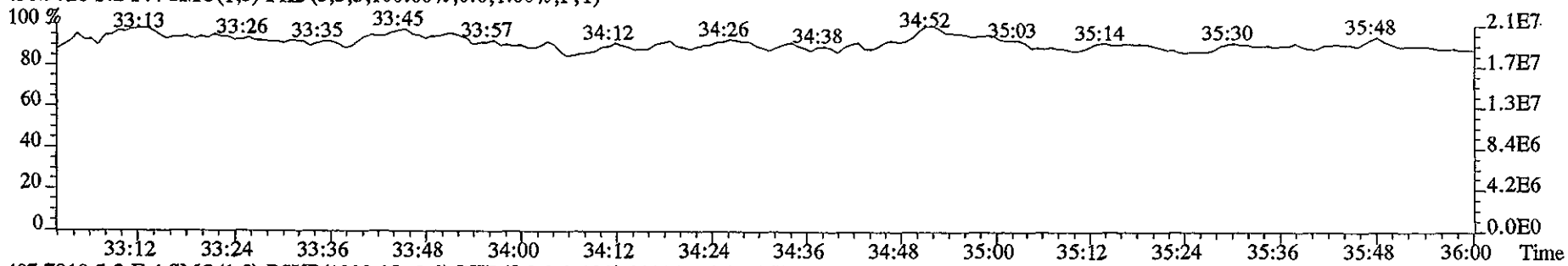
409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,384.0,1.00%,F,T)

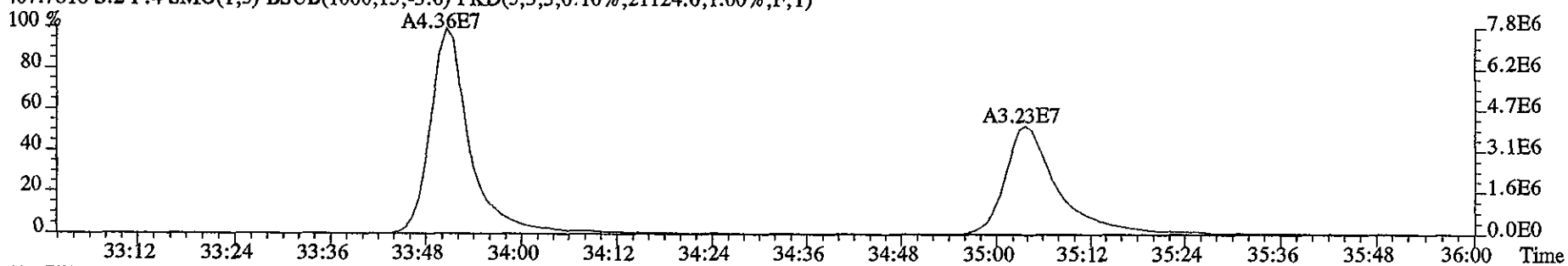


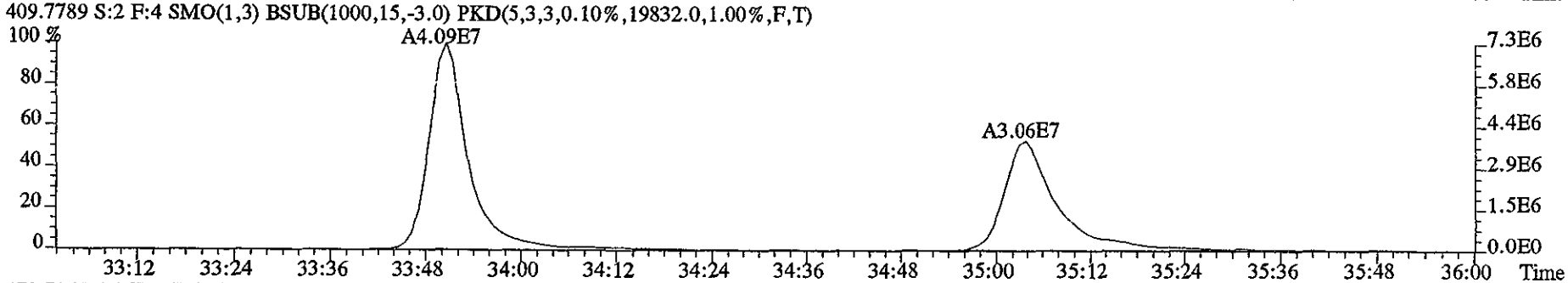
File:29AP101D5 #1-447 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES

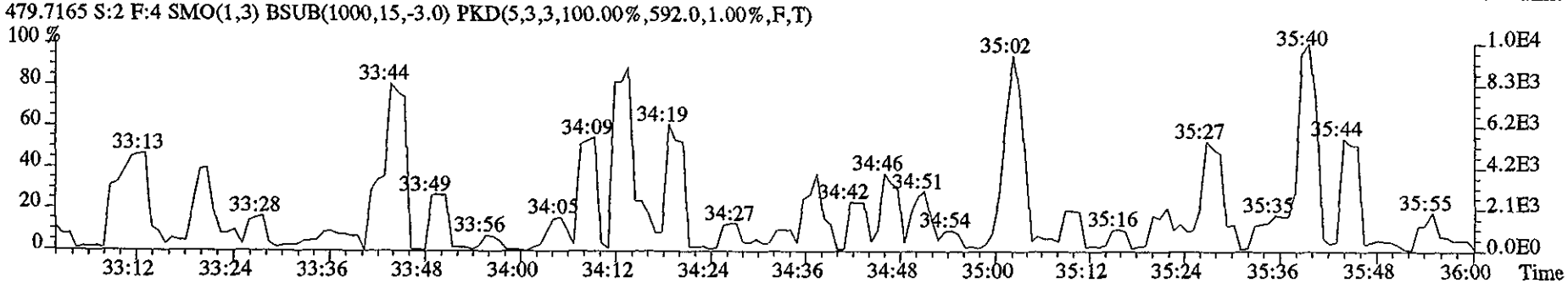


File:29AP101D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES

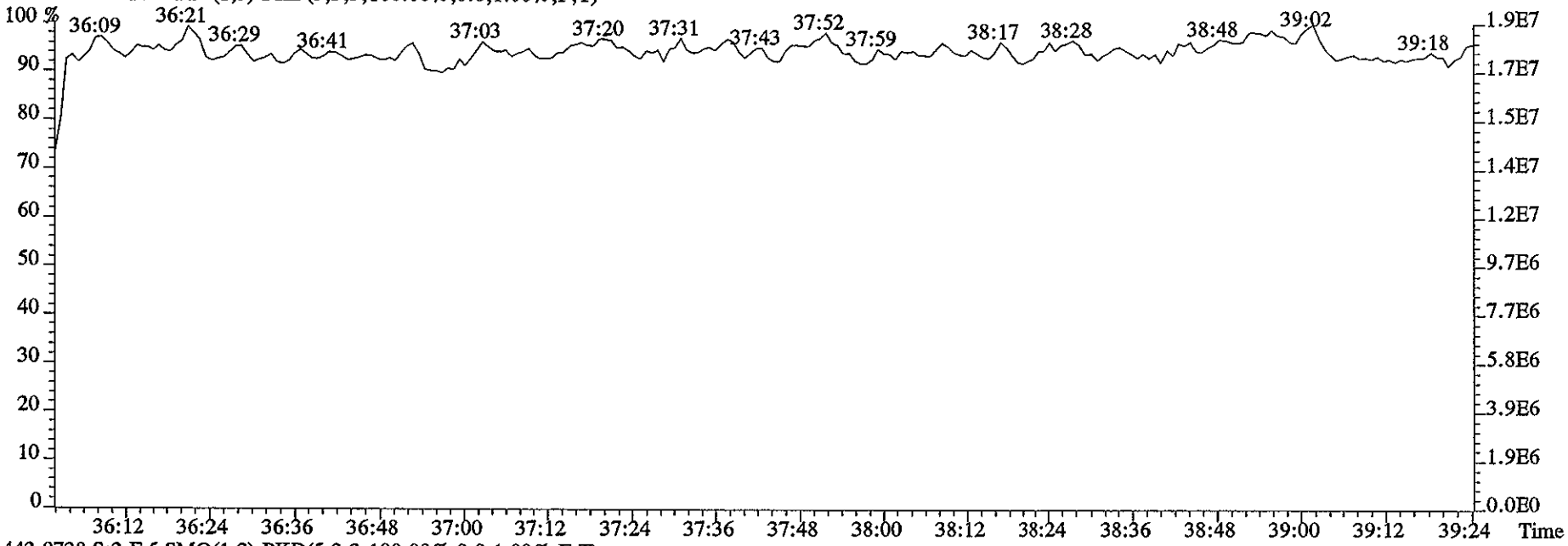




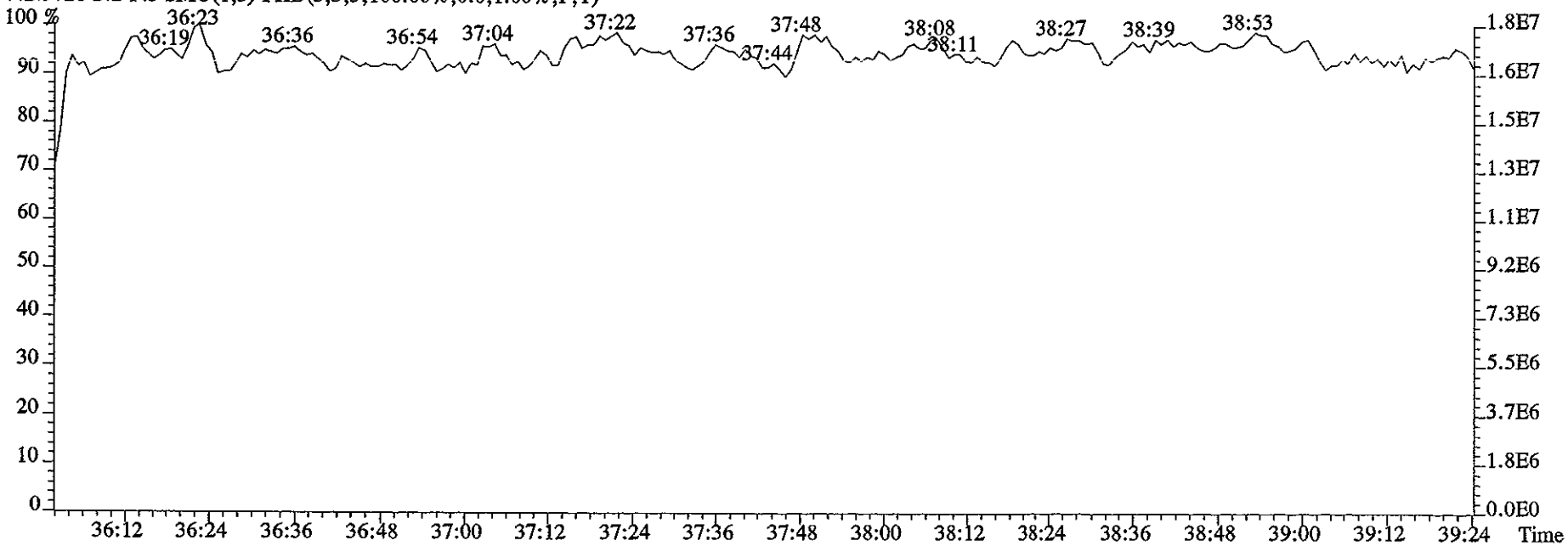




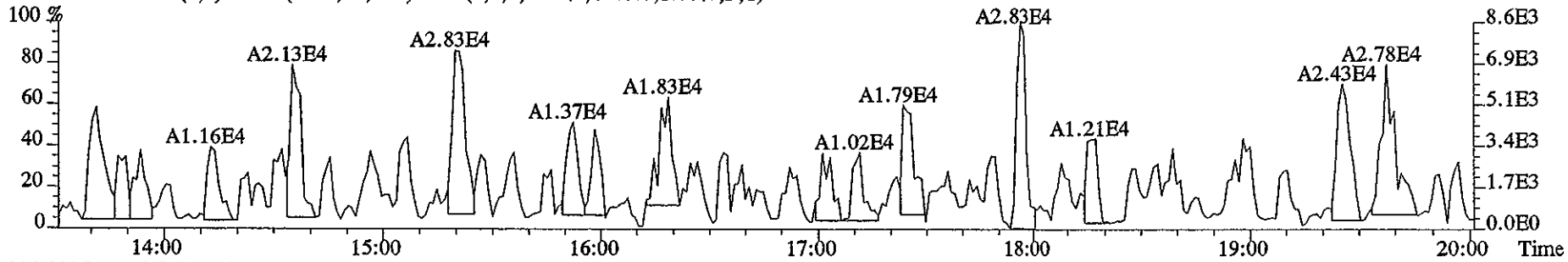
File:29AP101D5 #1-244 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



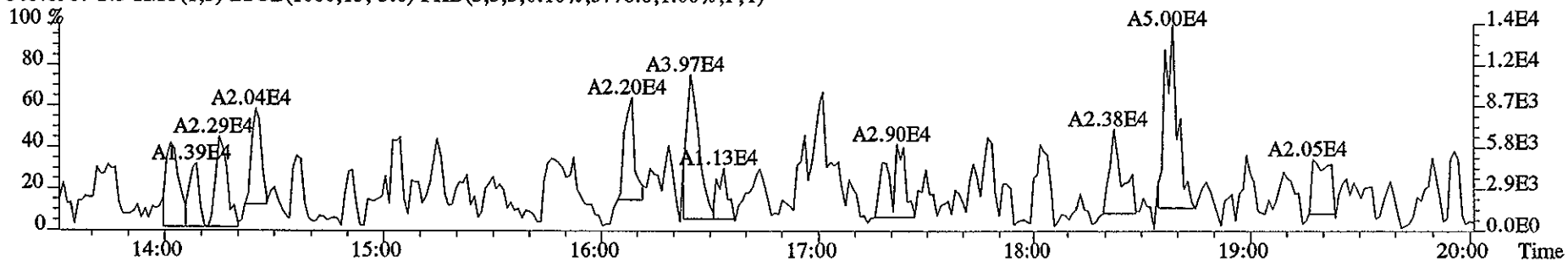
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



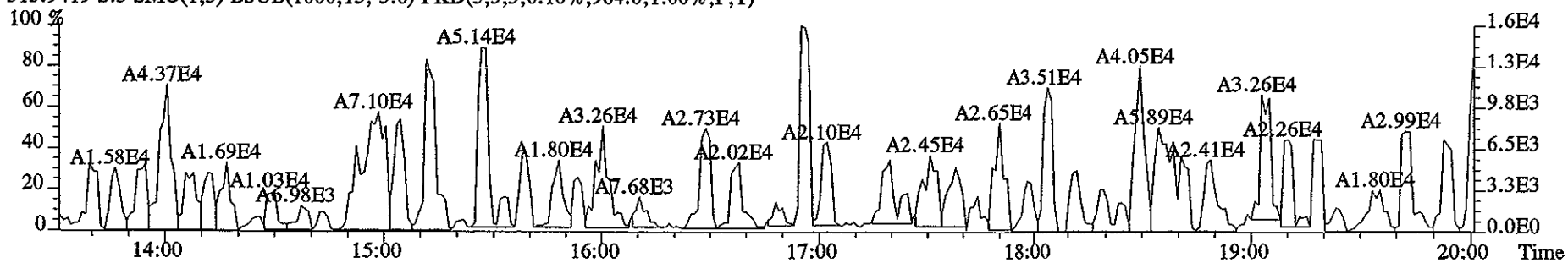
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2340.0,1.00%,F,T)



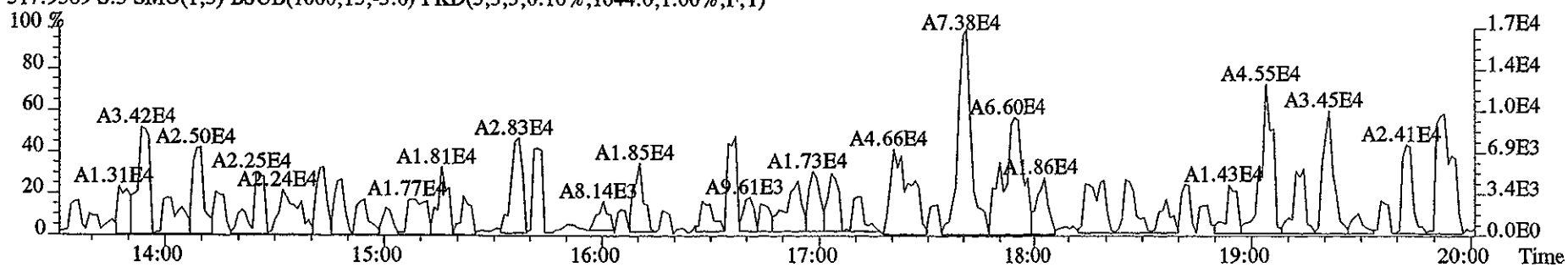
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3776.0,1.00%,F,T)



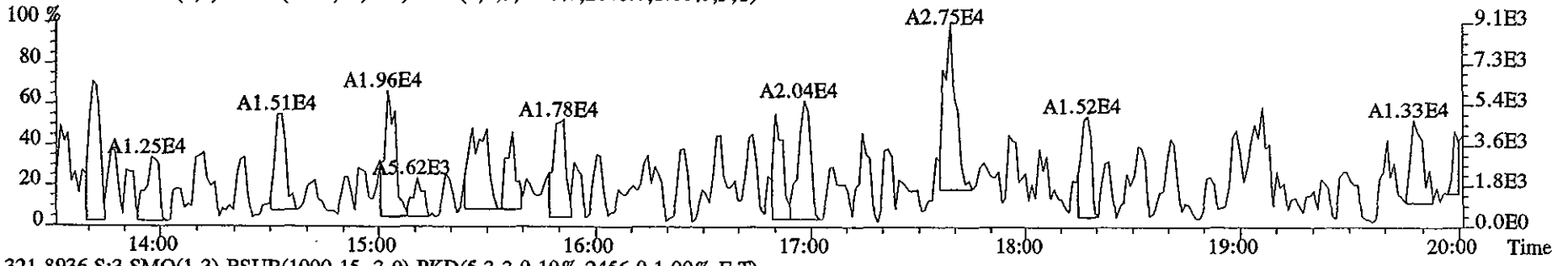
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)

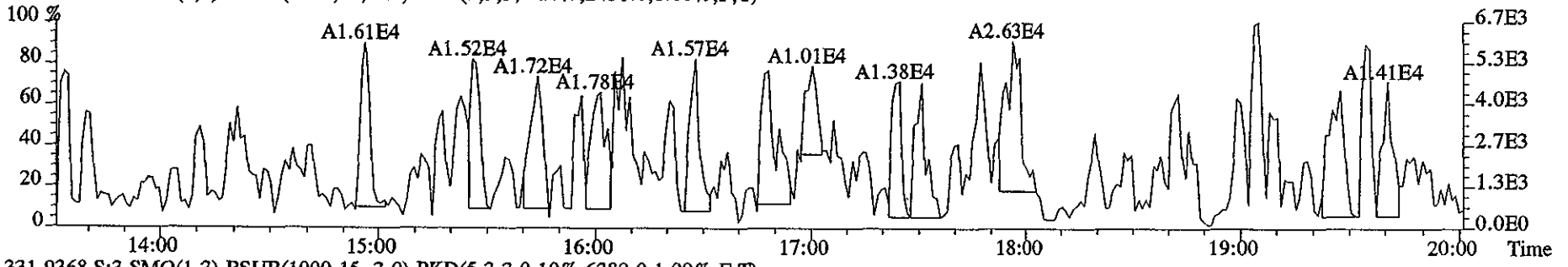


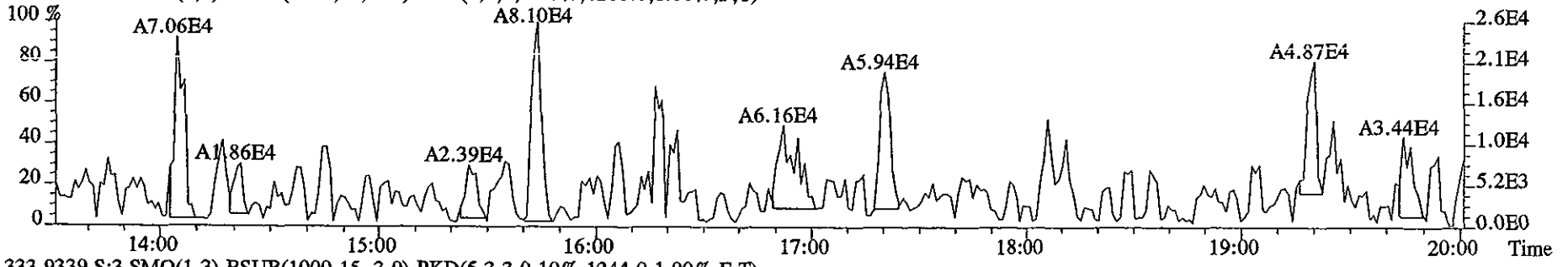
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1044.0,1.00%,F,T)

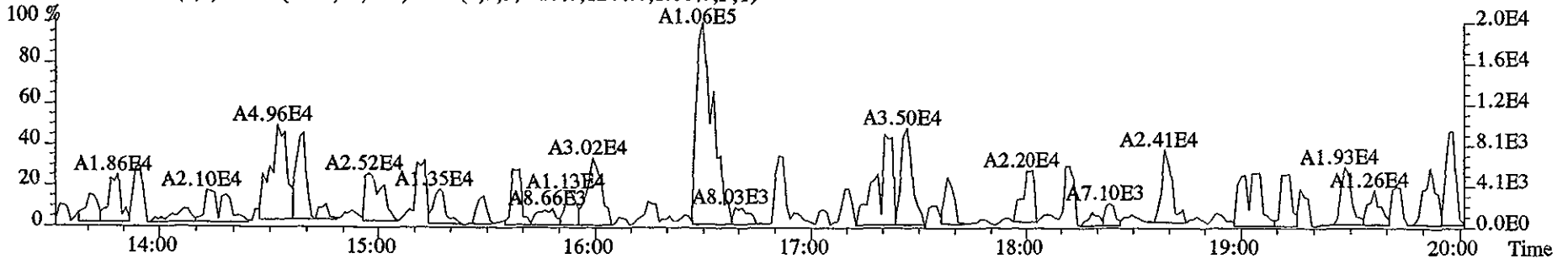


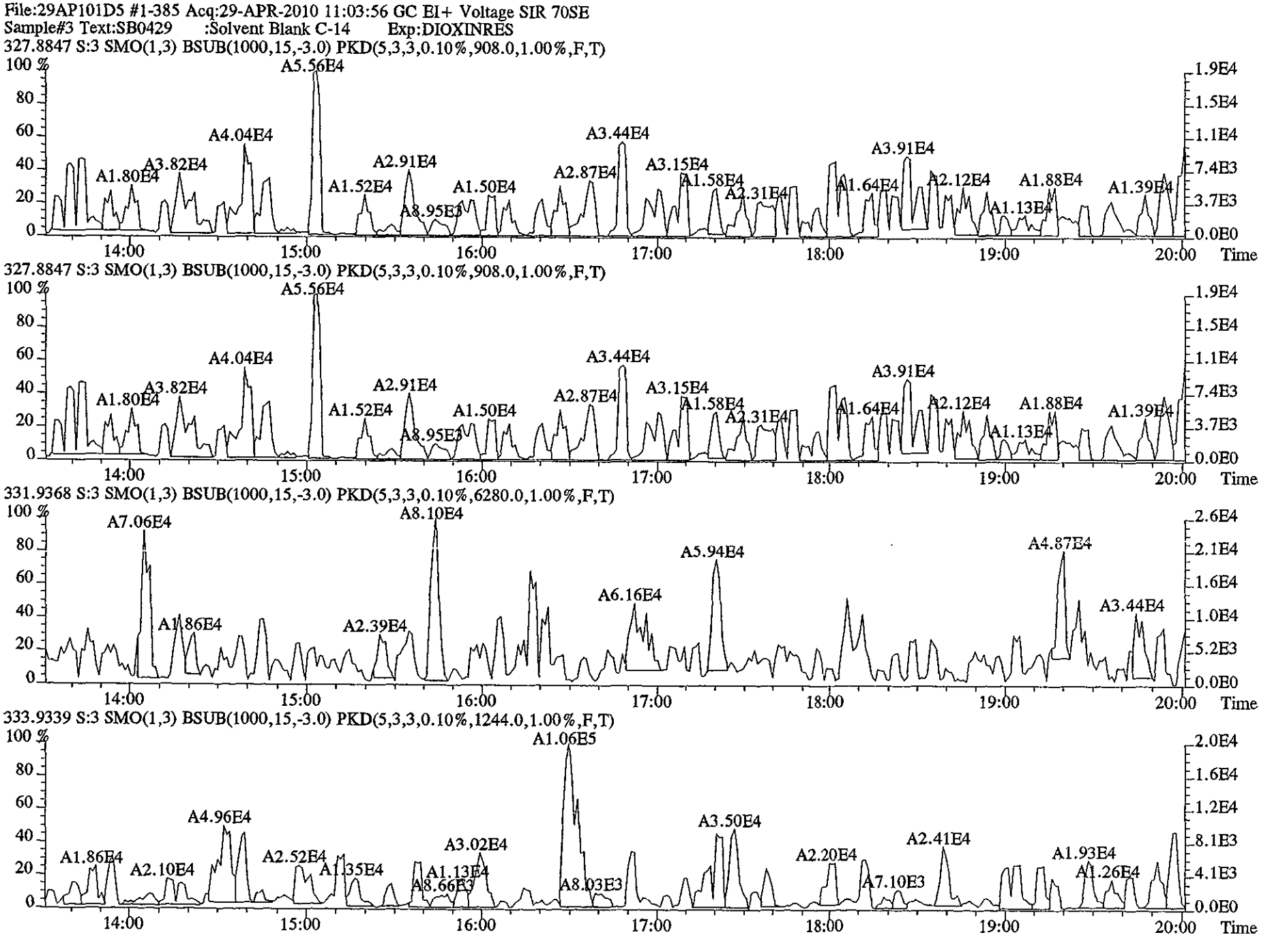
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES





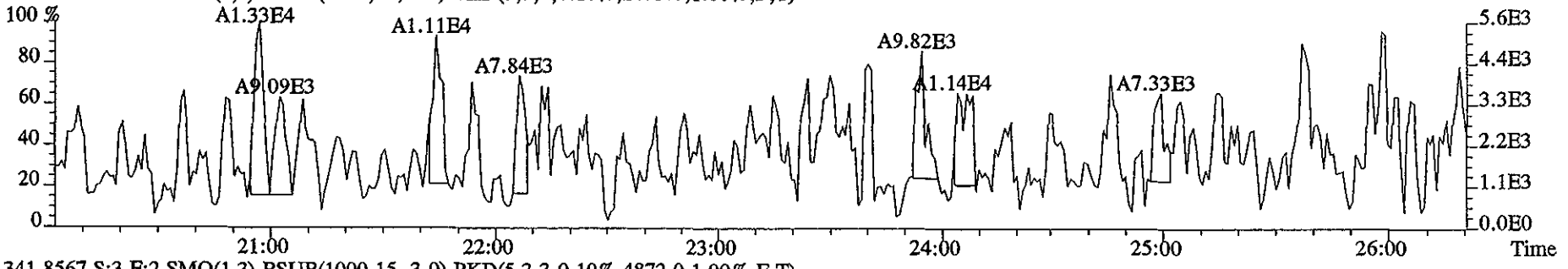




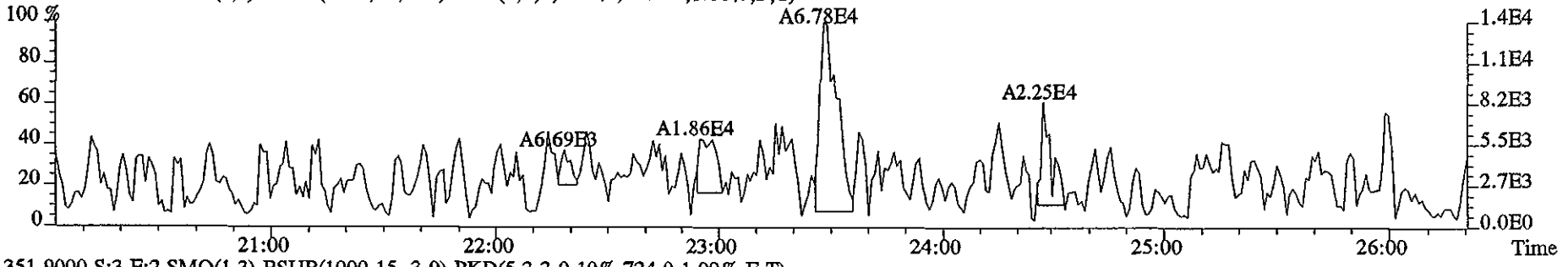


File:29AP101D5 #1-444 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

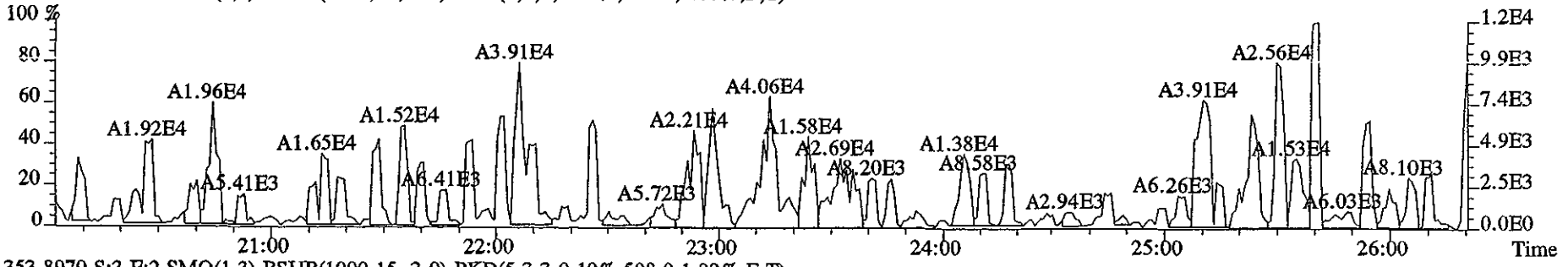
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2632.0,1.00%,F,T)



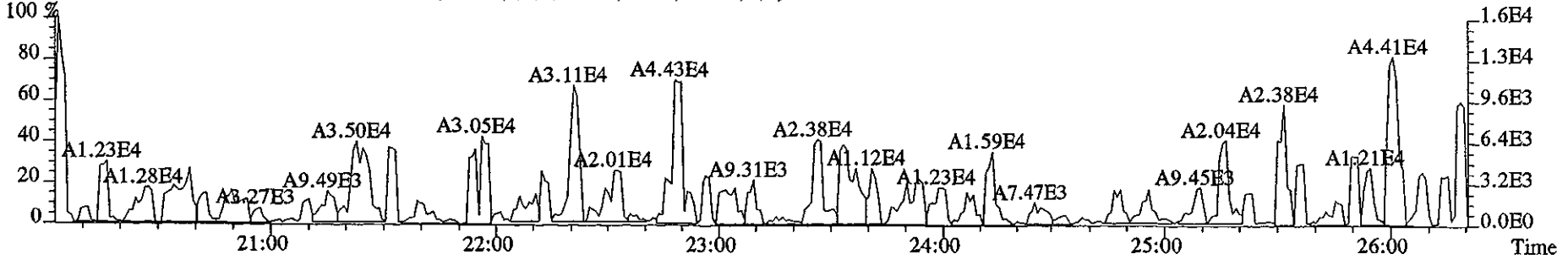
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4872.0,1.00%,F,T)



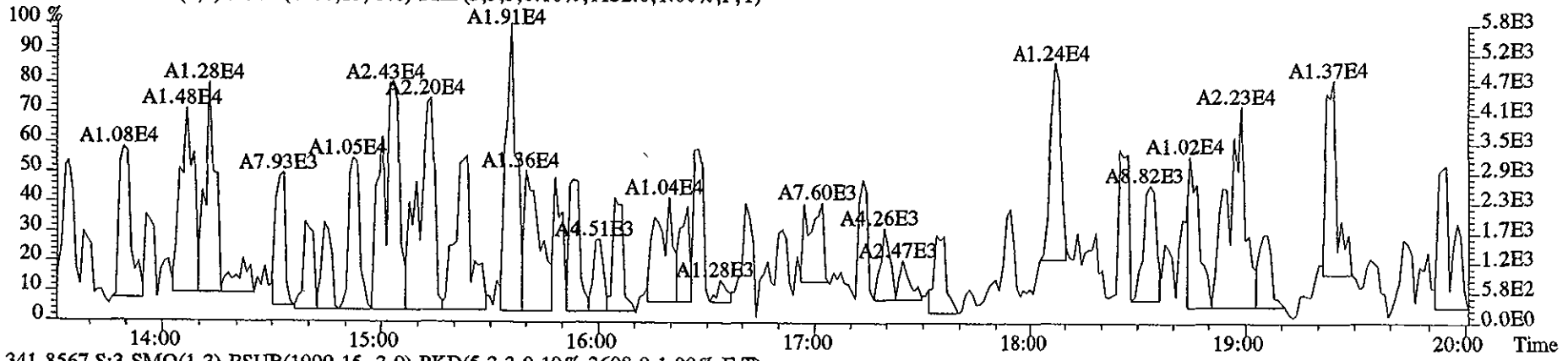
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,724.0,1.00%,F,T)



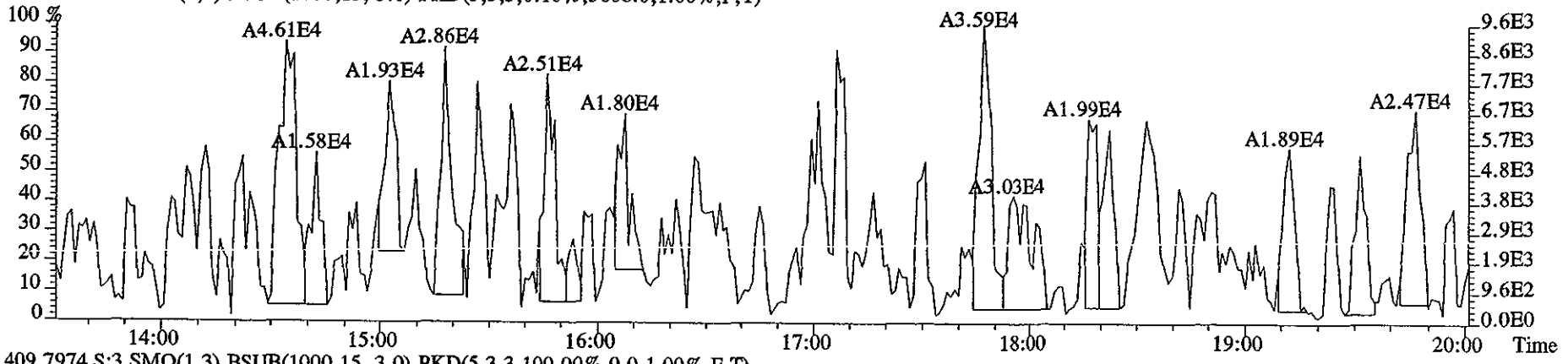
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,508.0,1.00%,F,T)



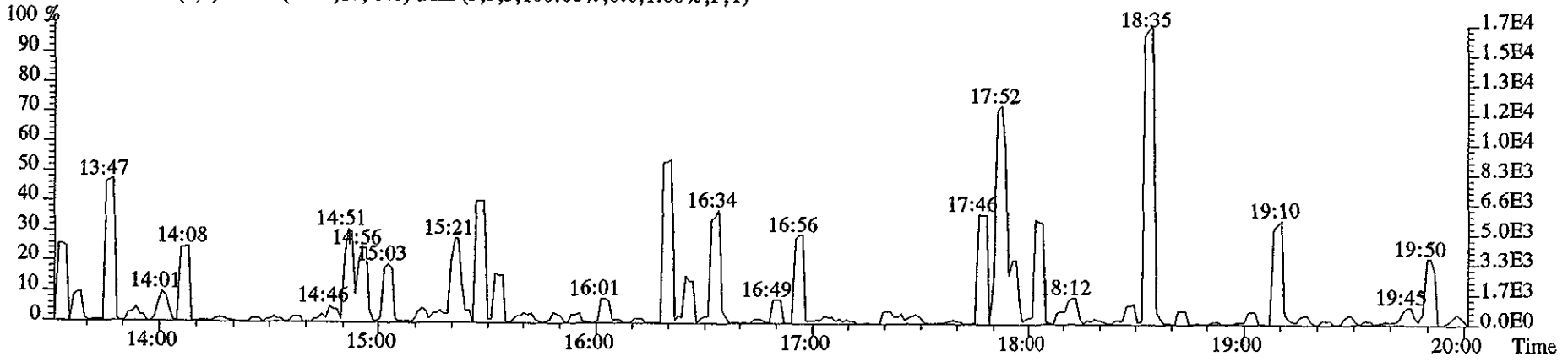
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)



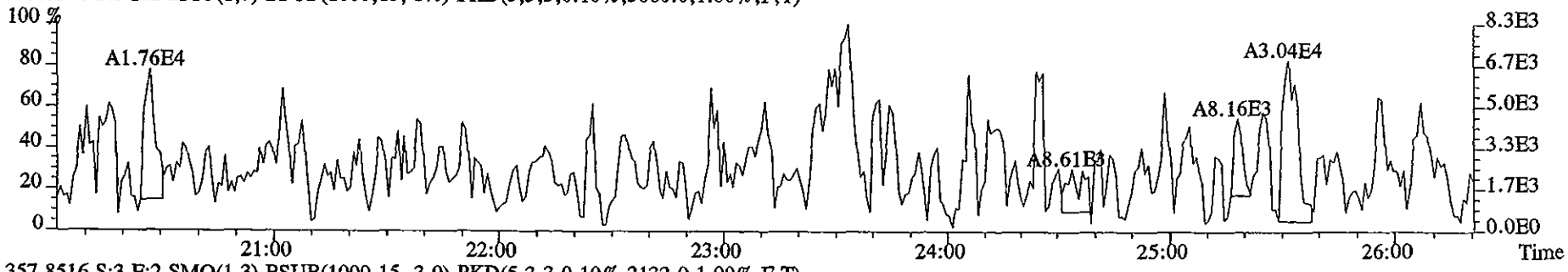
341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3608.0,1.00%,F,T)

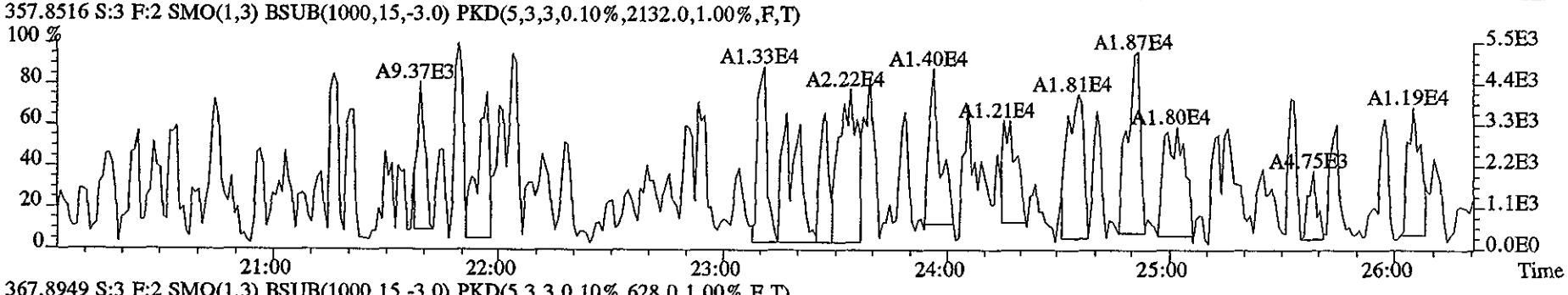


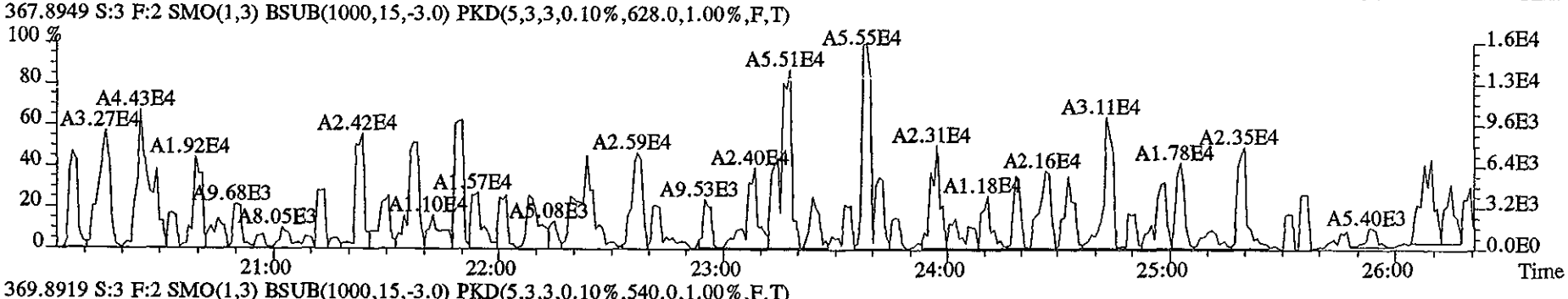
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

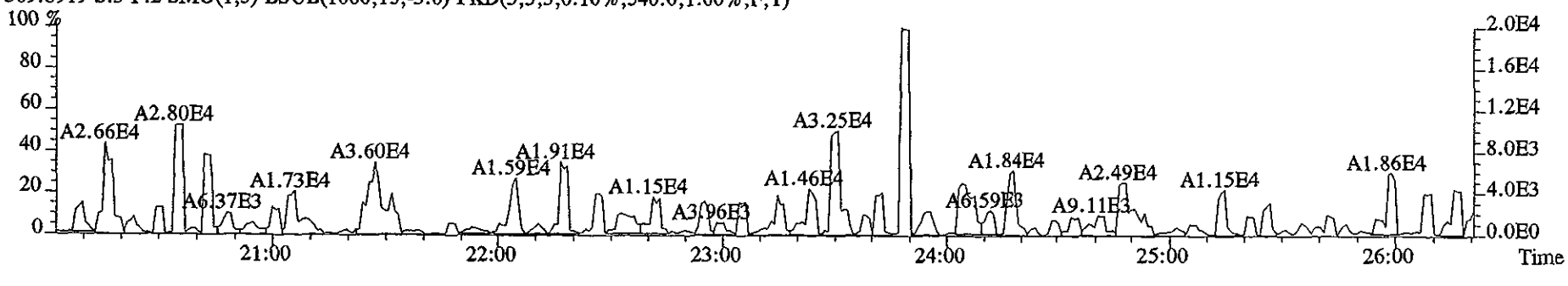


File:29AP101D5 #1-444 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

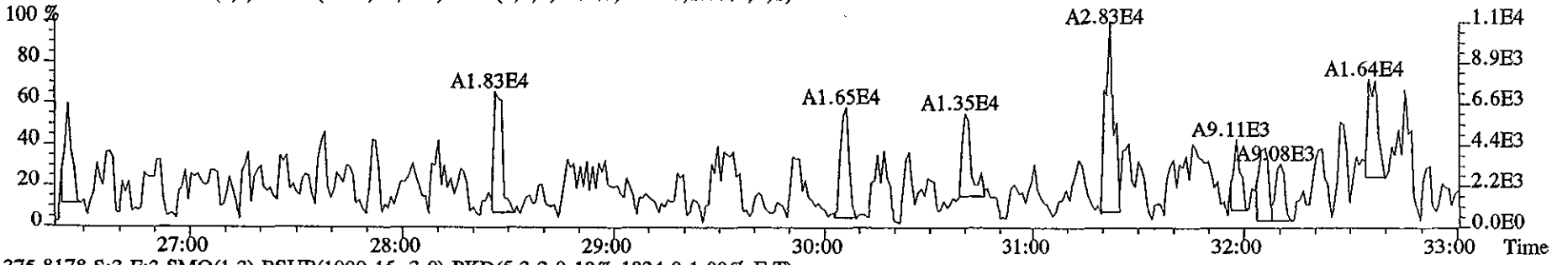




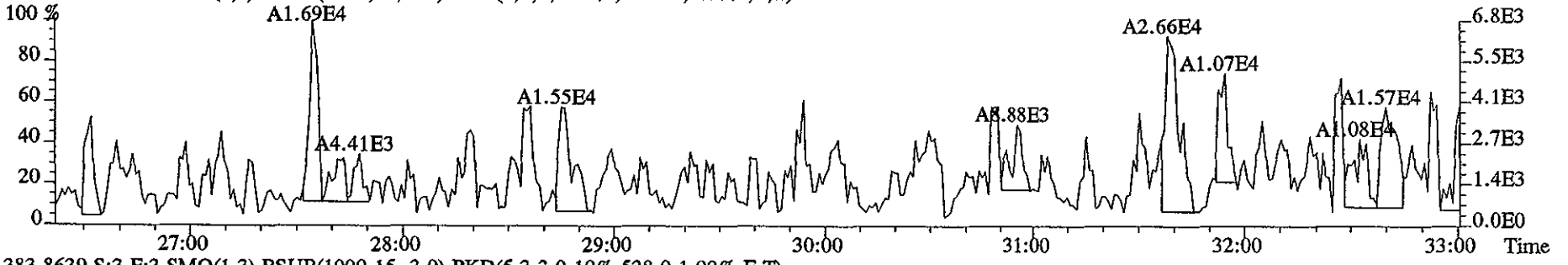




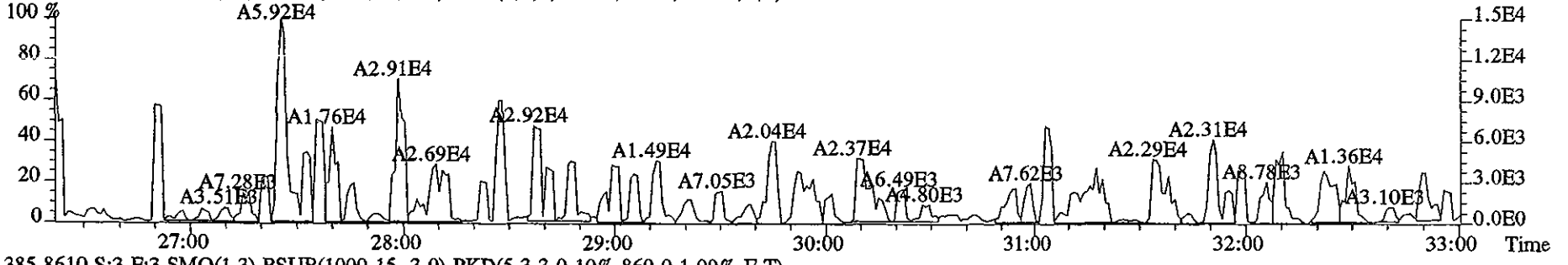
File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2788.0,1.00%,F,T)



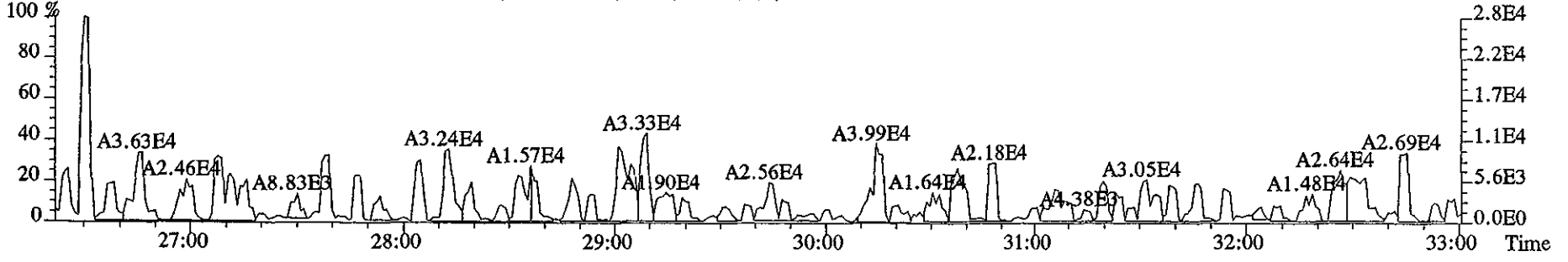
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



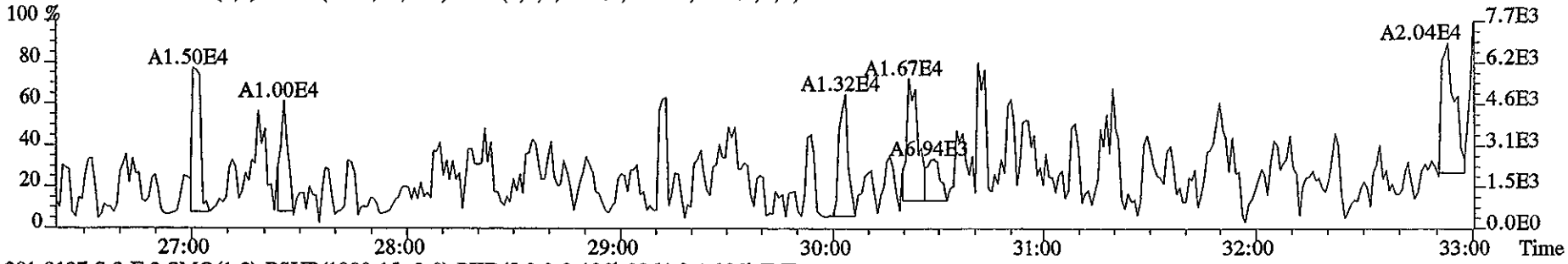
383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,528.0,1.00%,F,T)



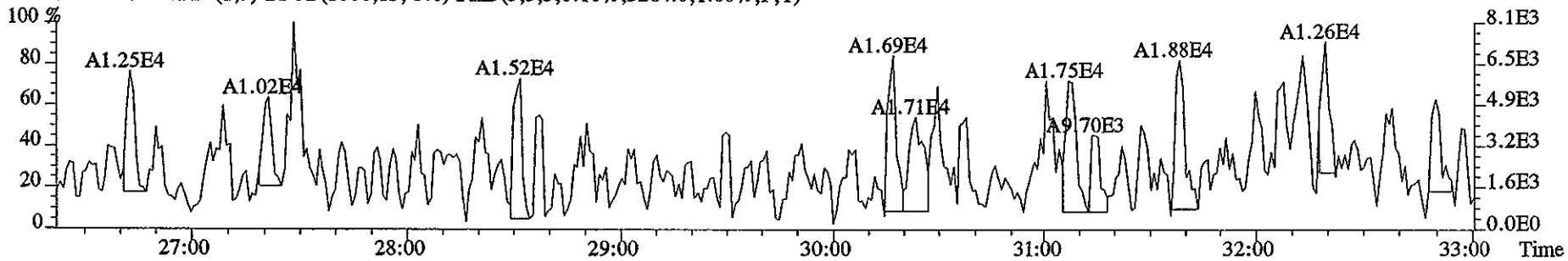
385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,860.0,1.00%,F,T)



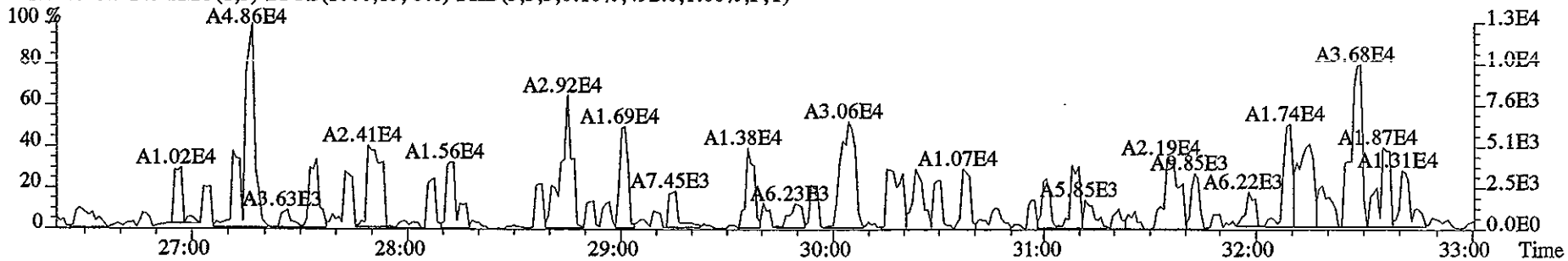
File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836.0,1.00%,F,T)



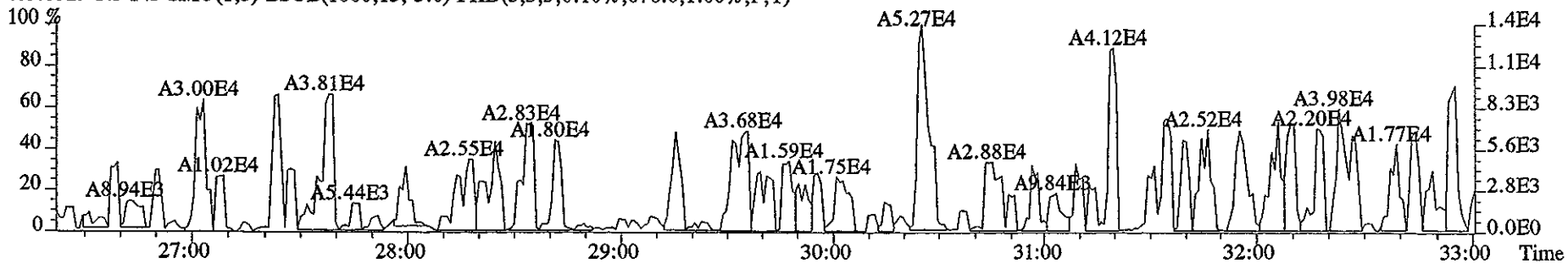
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3264.0,1.00%,F,T)



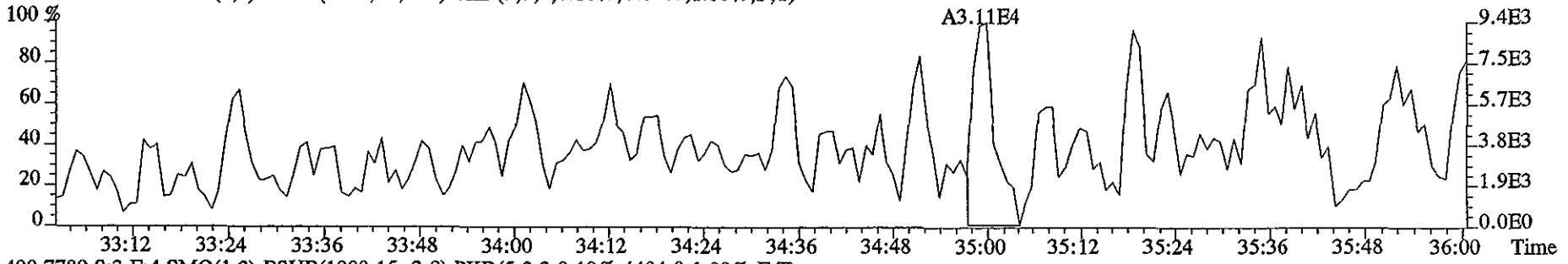
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,492.0,1.00%,F,T)

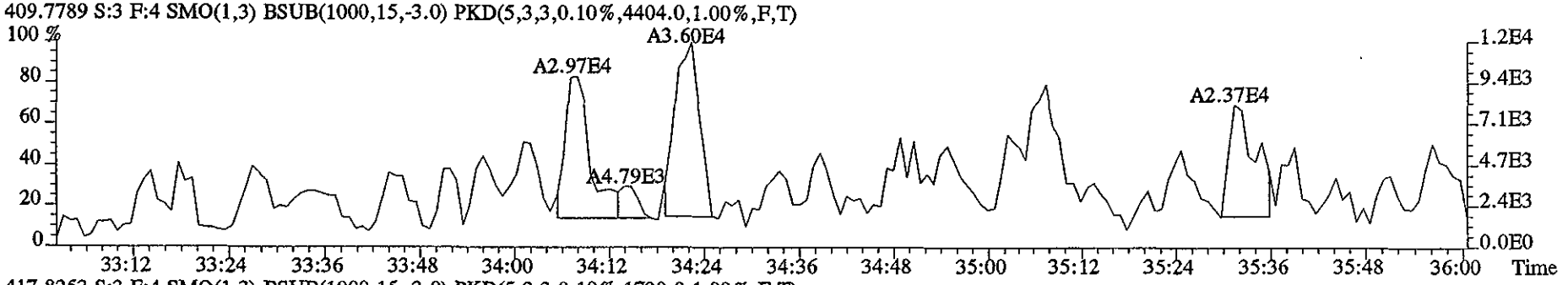


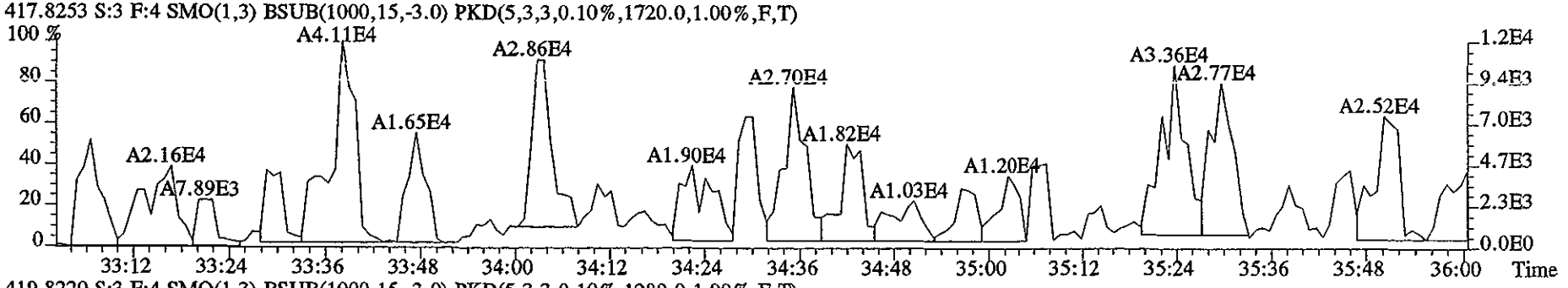
403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)

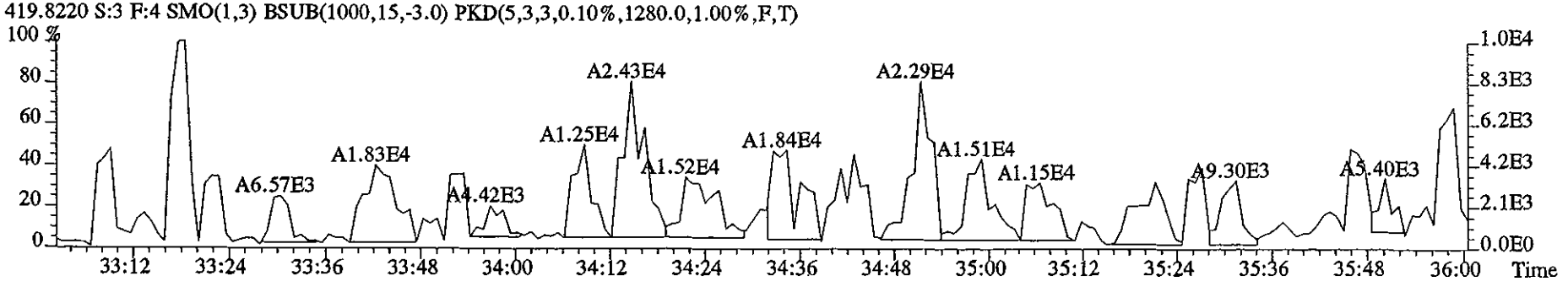


File:29AP101D5 #1-210 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES



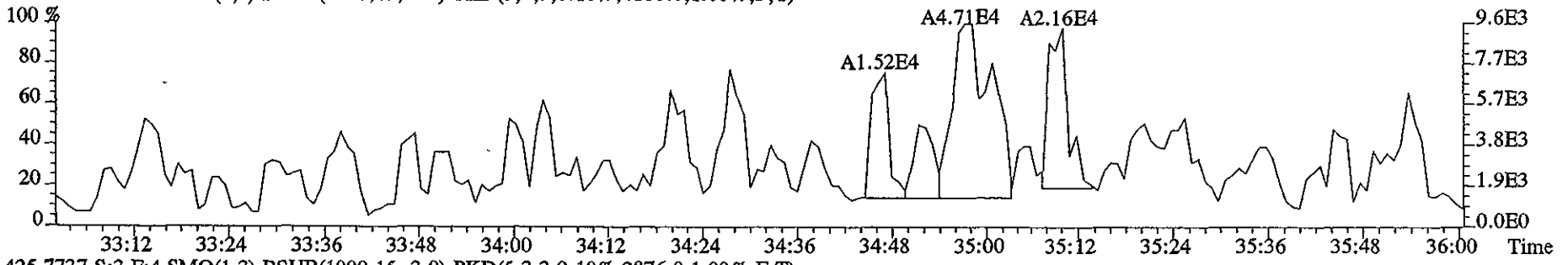




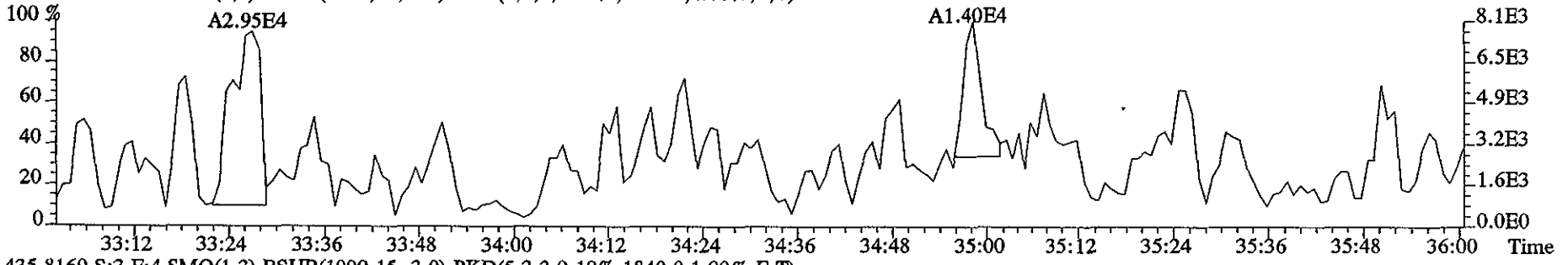


File:29AP101D5 #1-210 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

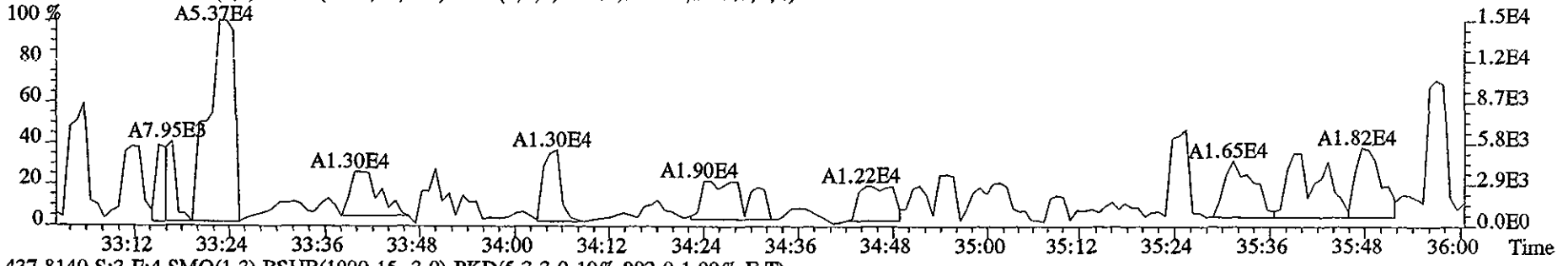
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4180.0,1.00%,F,T)



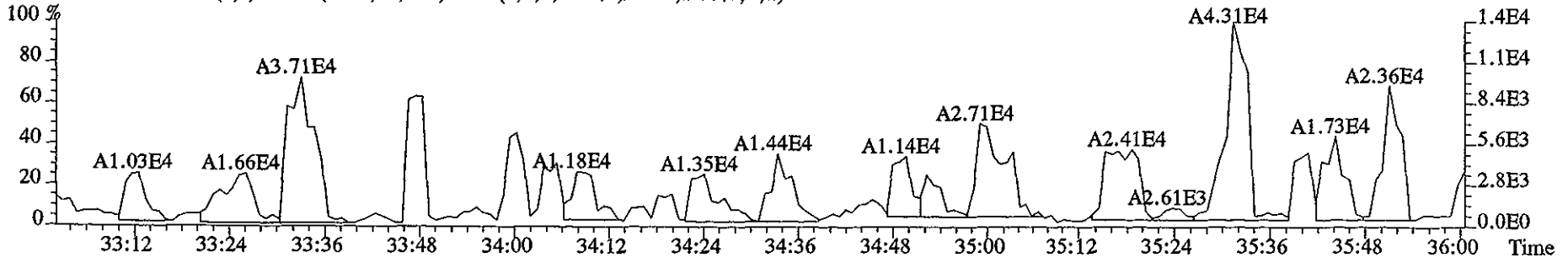
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2876.0,1.00%,F,T)



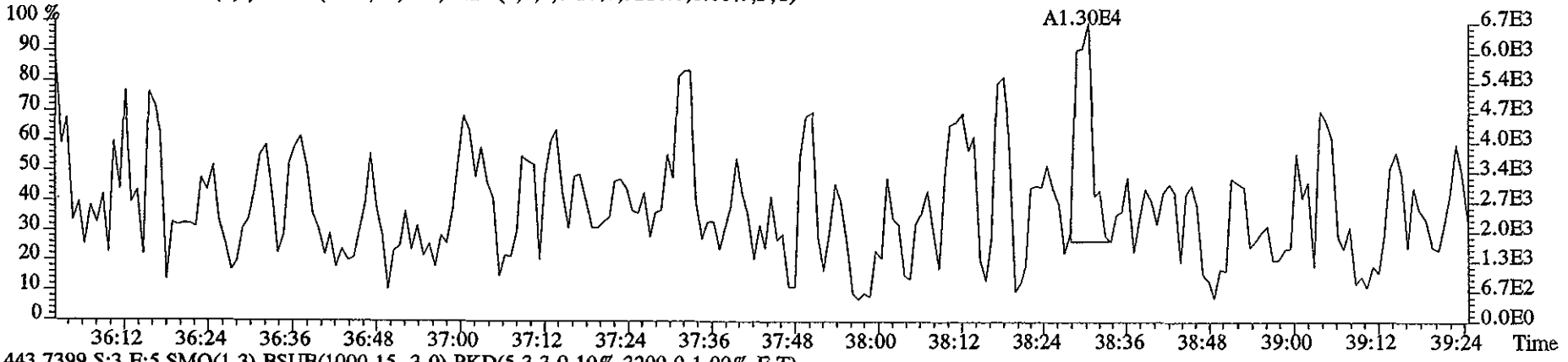
435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1840.0,1.00%,F,T)



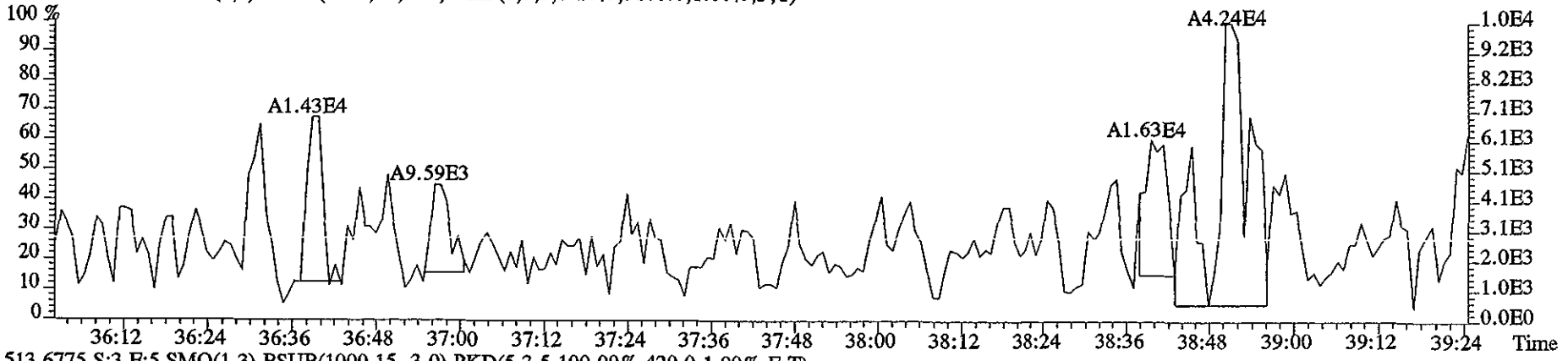
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



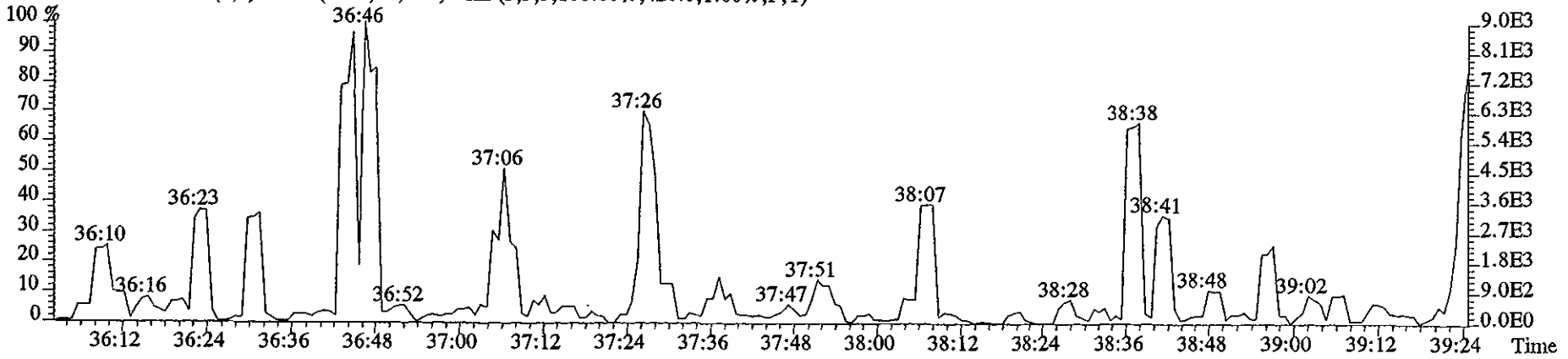
File:29AP101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3216.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3200.0,1.00%,F,T)

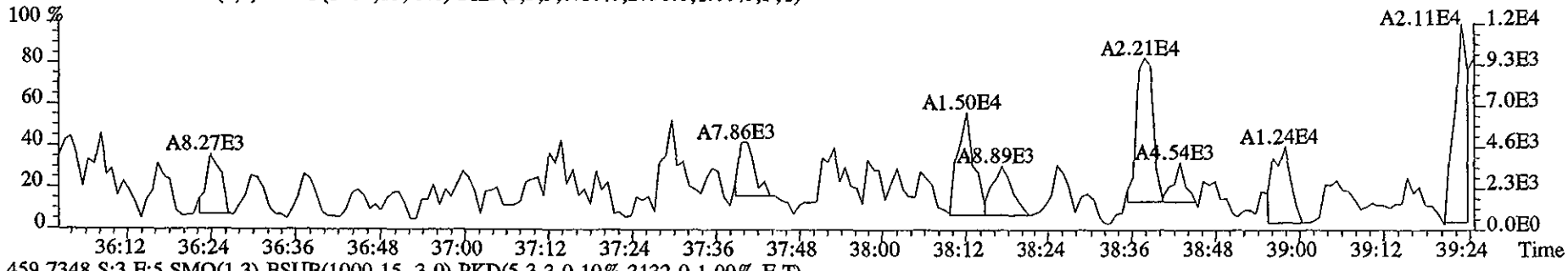


513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,420.0,1.00%,F,T)

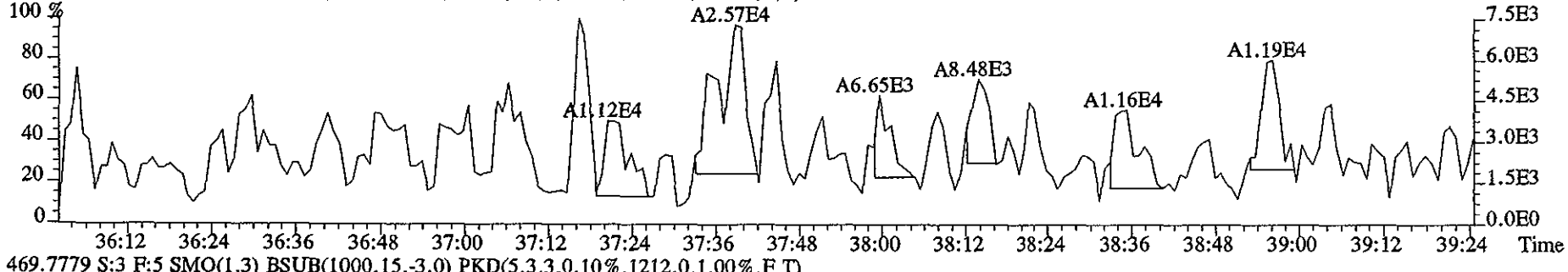


File:29AP101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

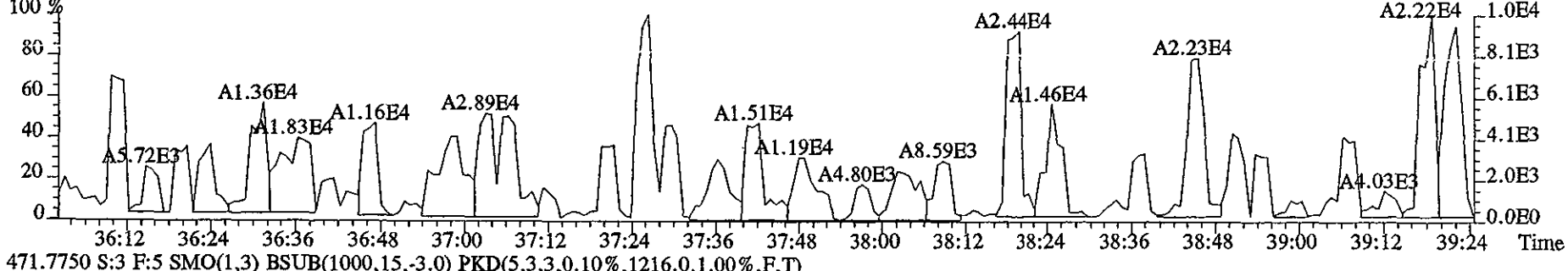
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T)



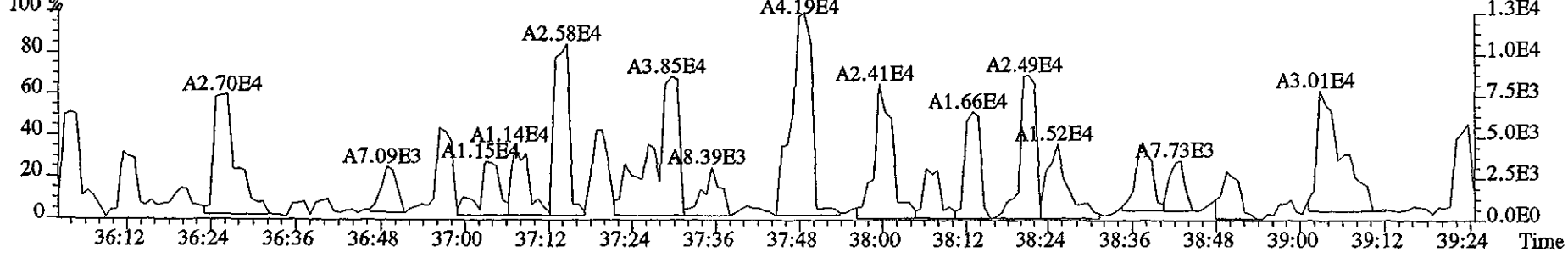
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3132.0,1.00%,F,T)



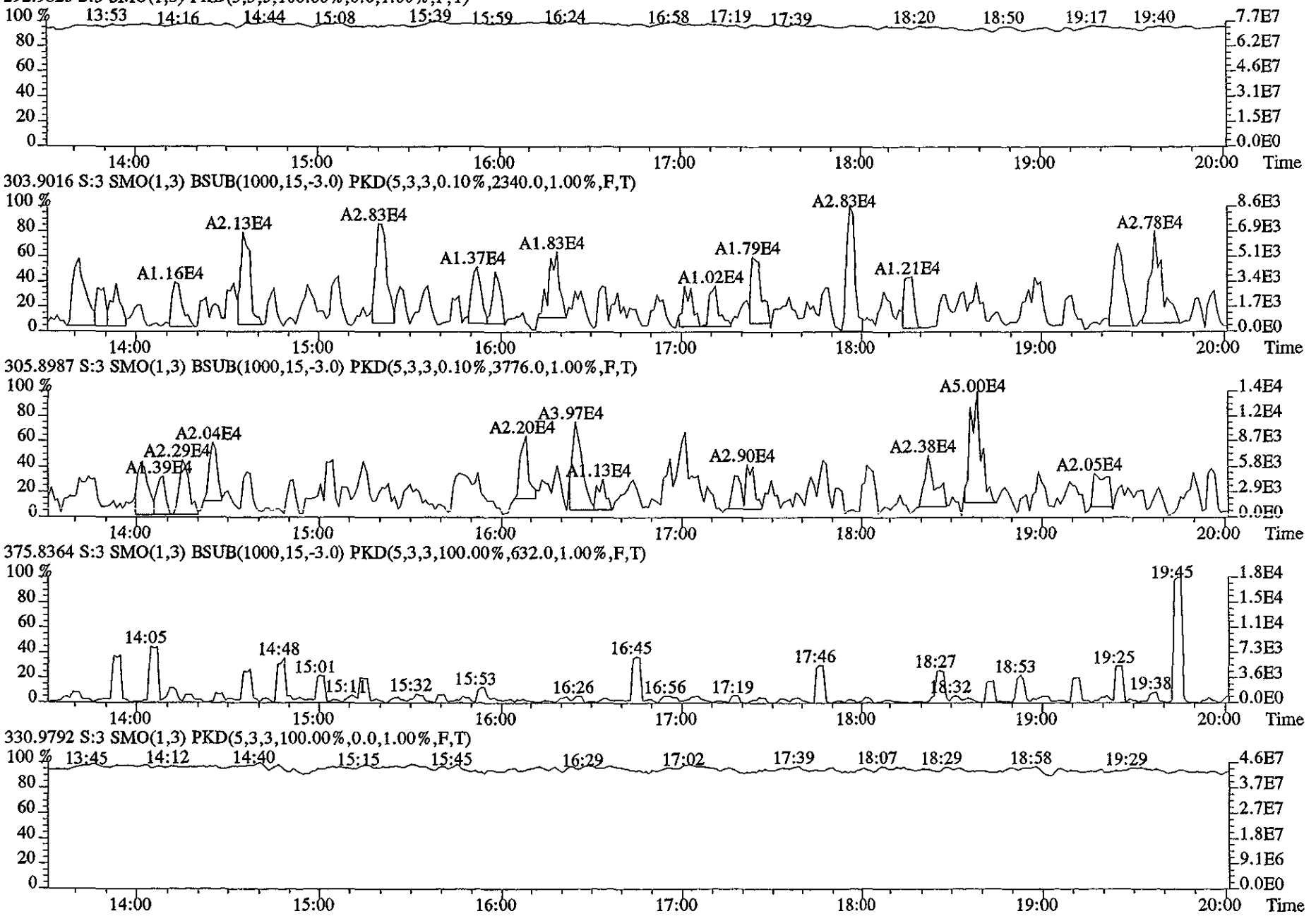
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1212.0,1.00%,F,T)



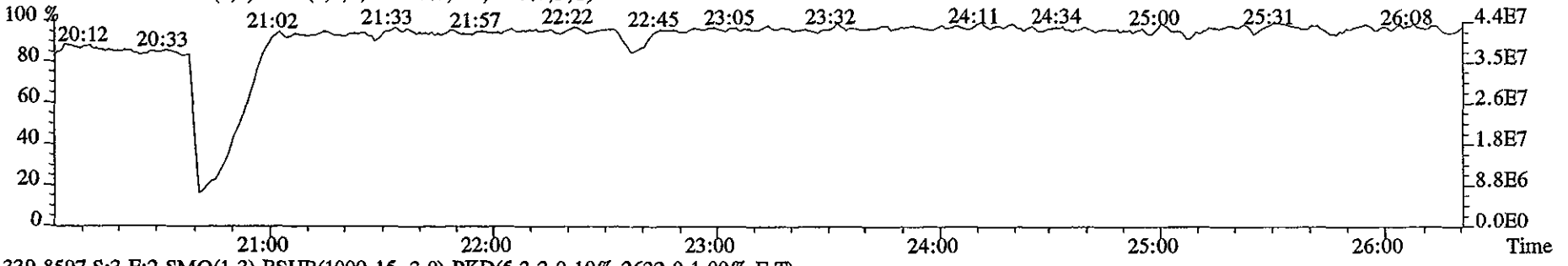
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



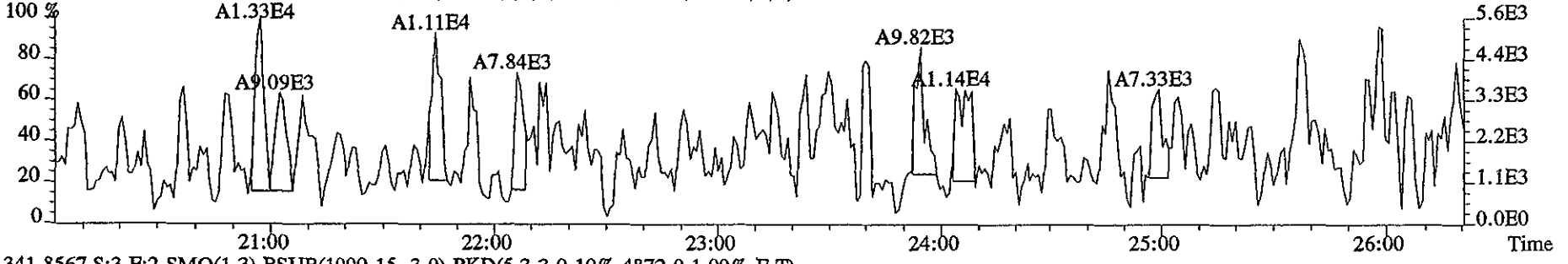
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES



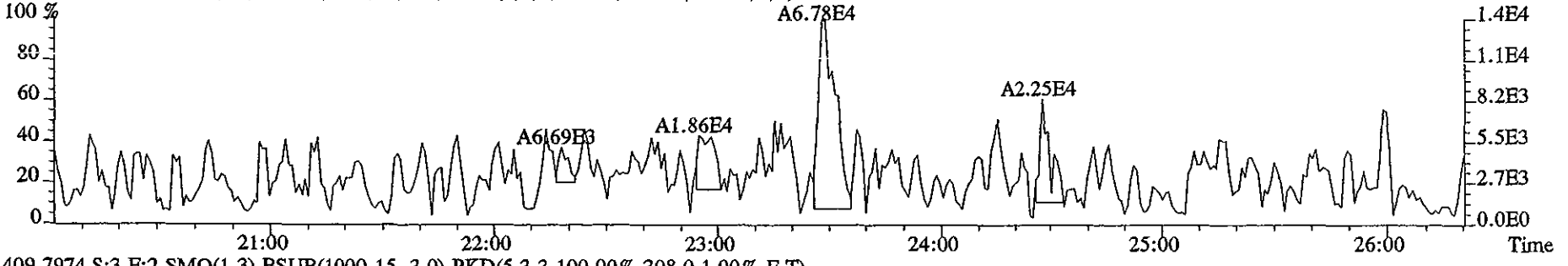
File:29AP101D5 #1-444 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



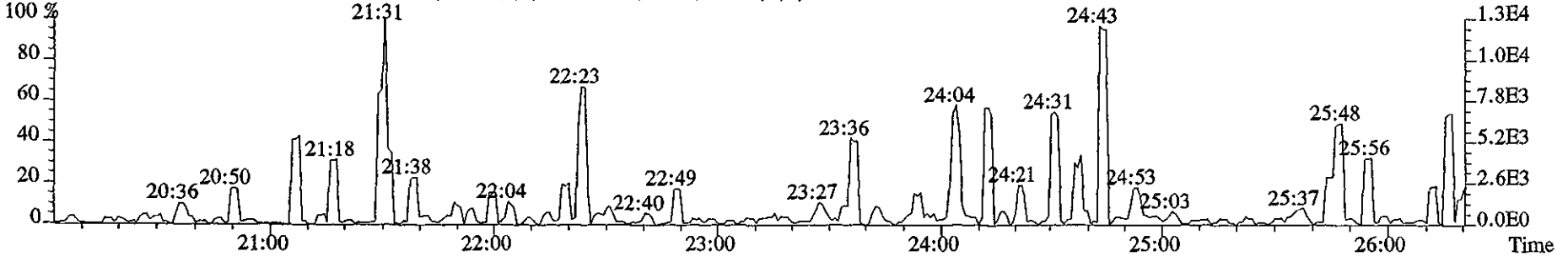
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2632.0,1.00%,F,T)



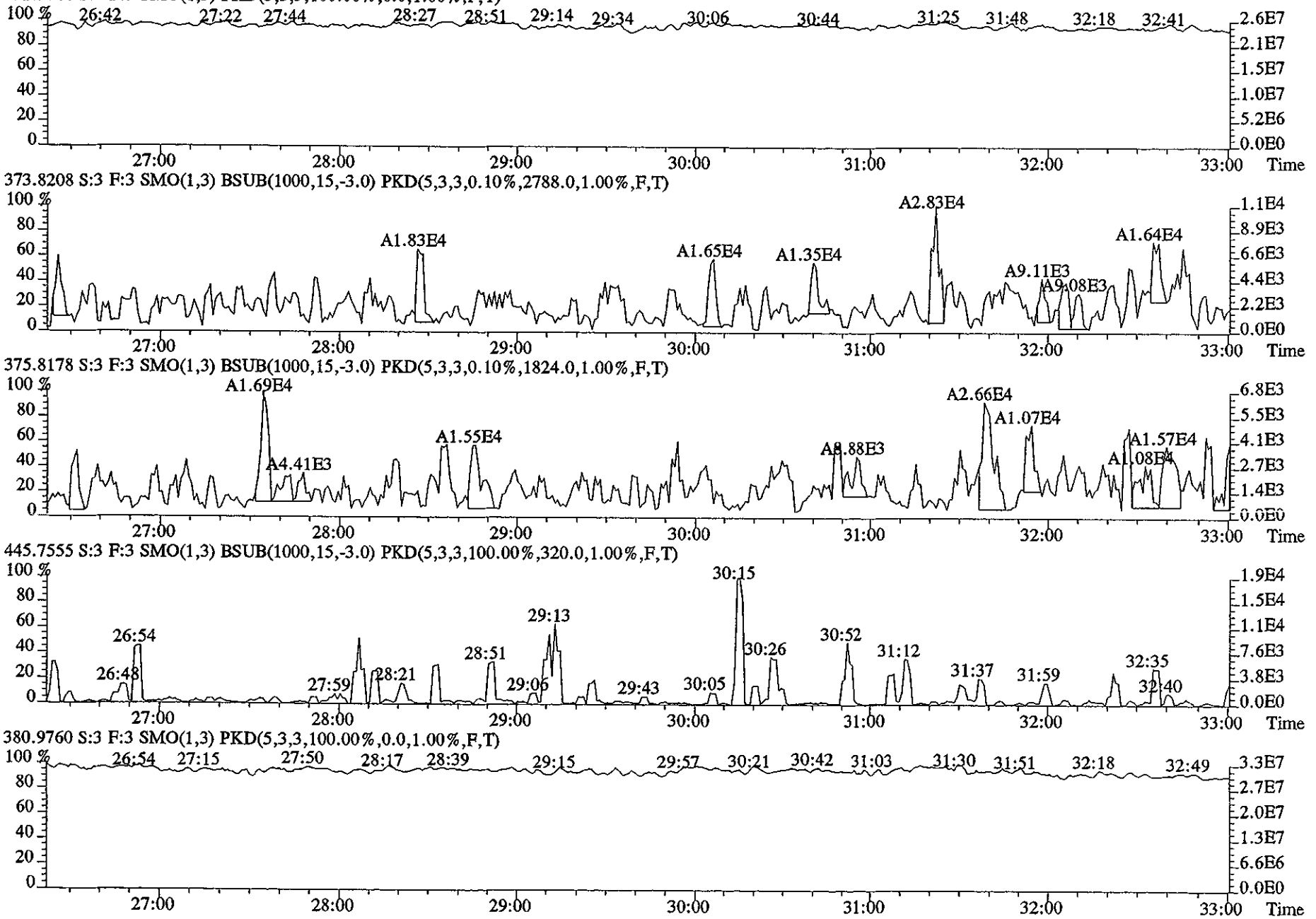
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4872.0,1.00%,F,T)



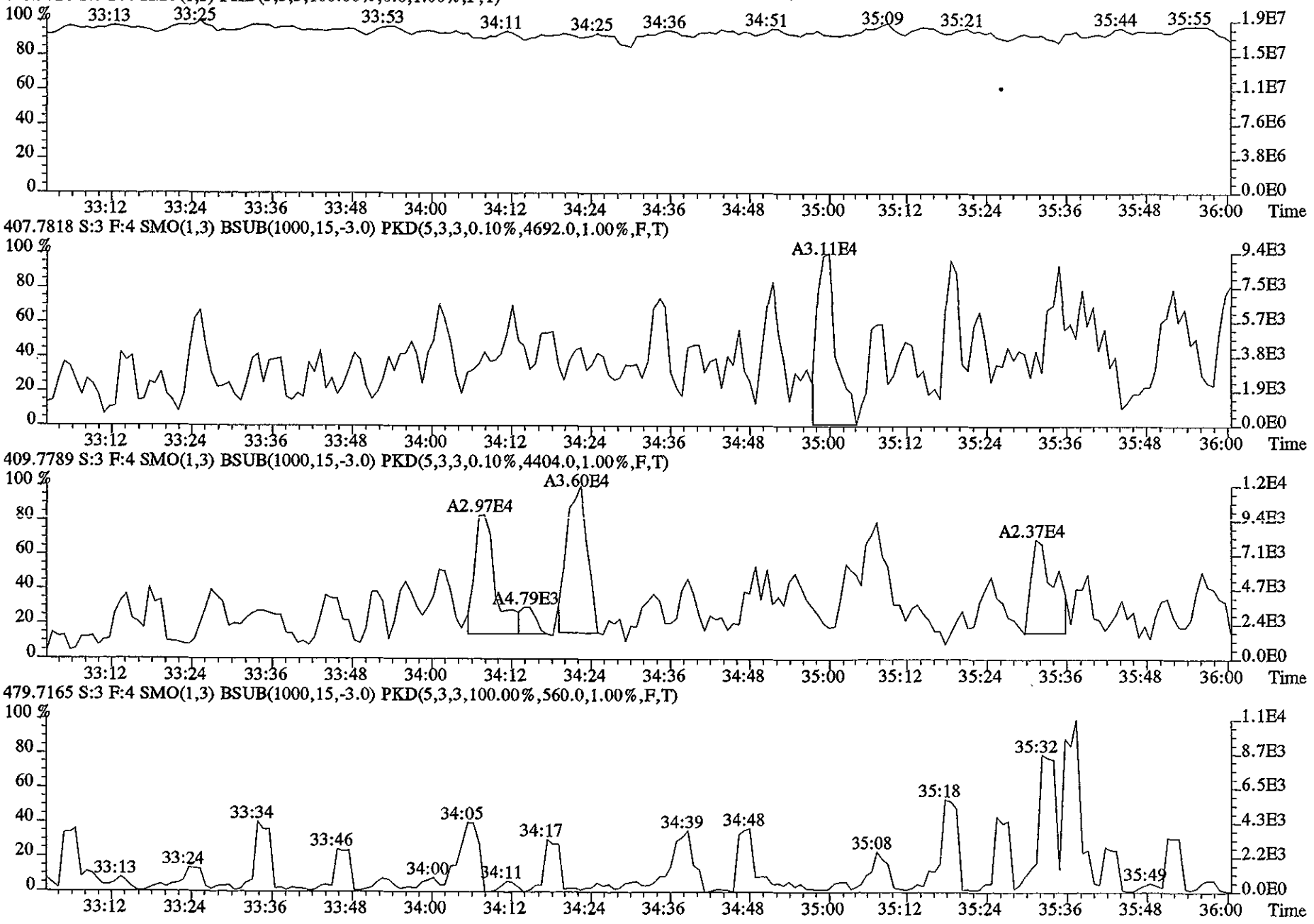
409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,308.0,1.00%,F,T)



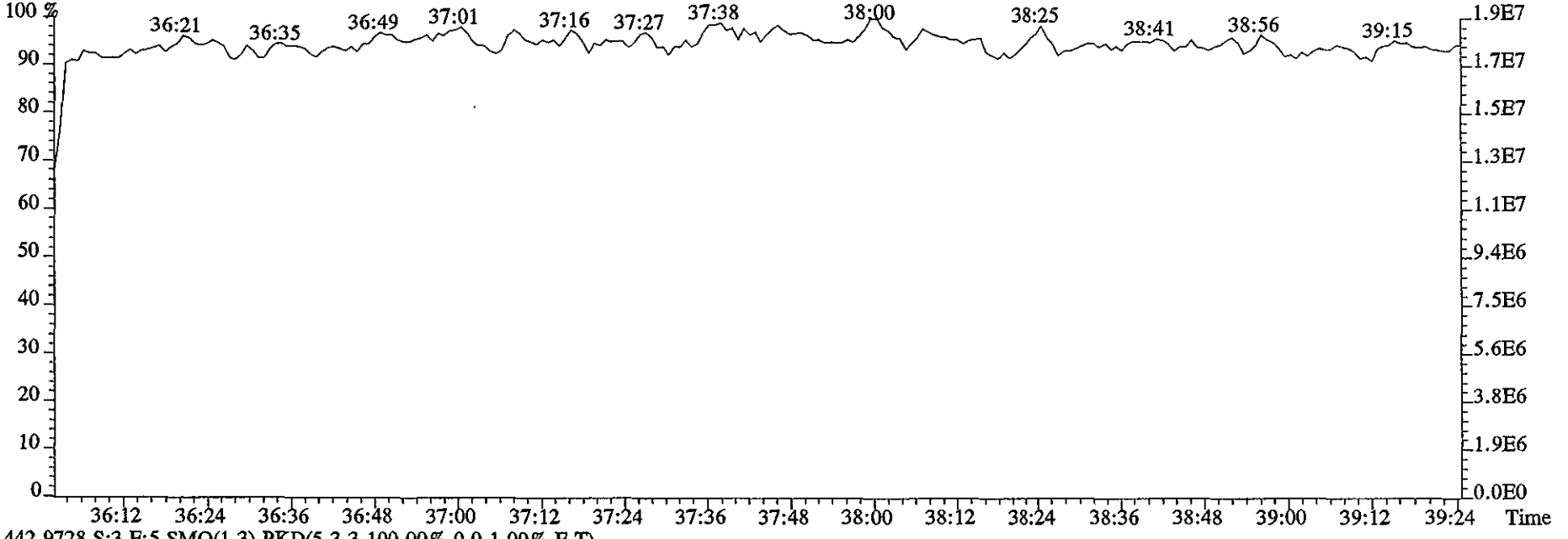
File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES



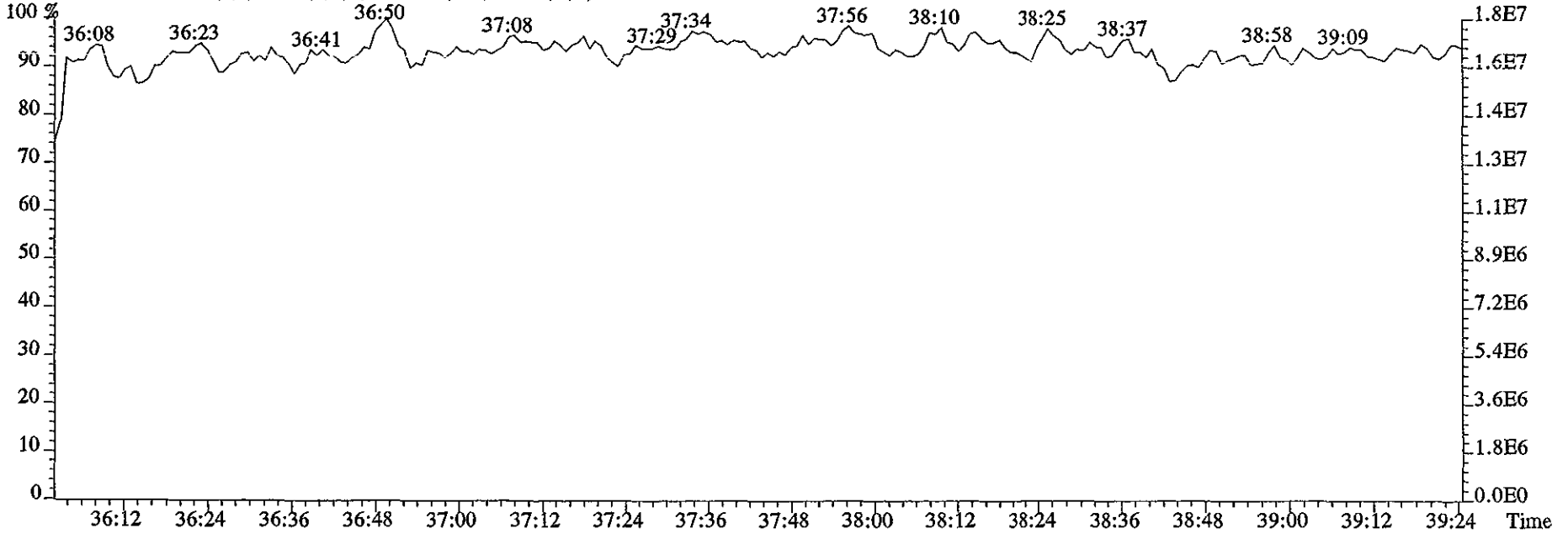
File:29AP101D5 #1-210 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES



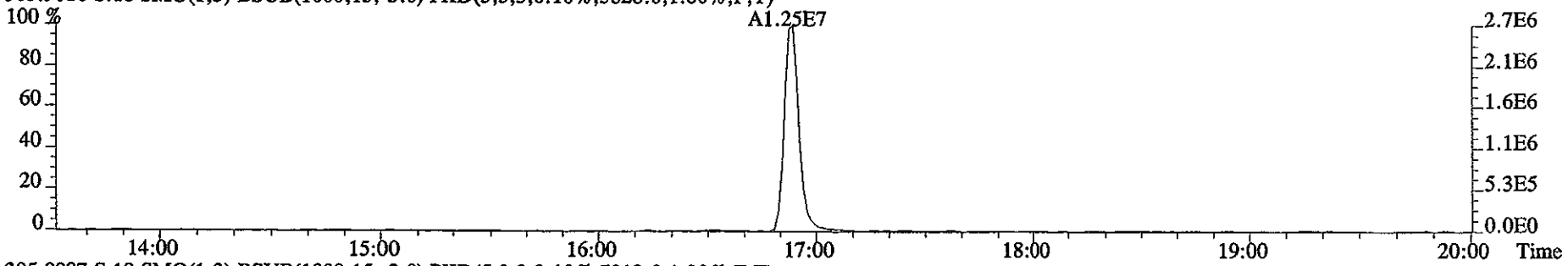
File:29AP101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



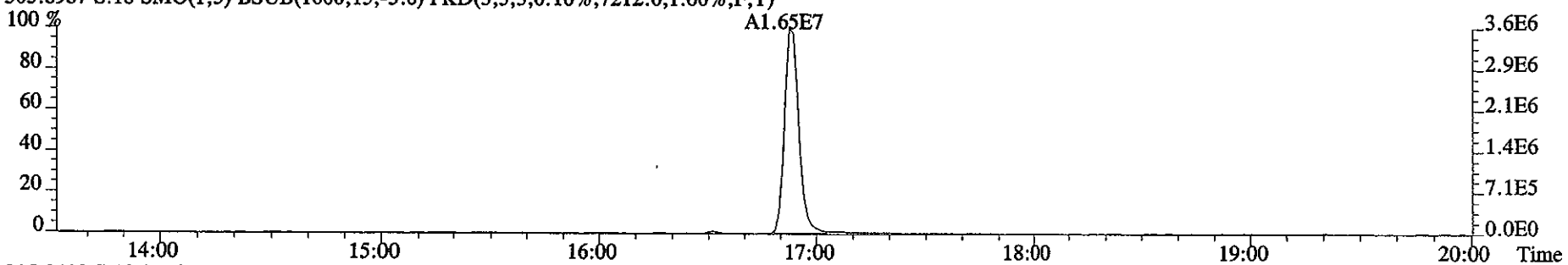
442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



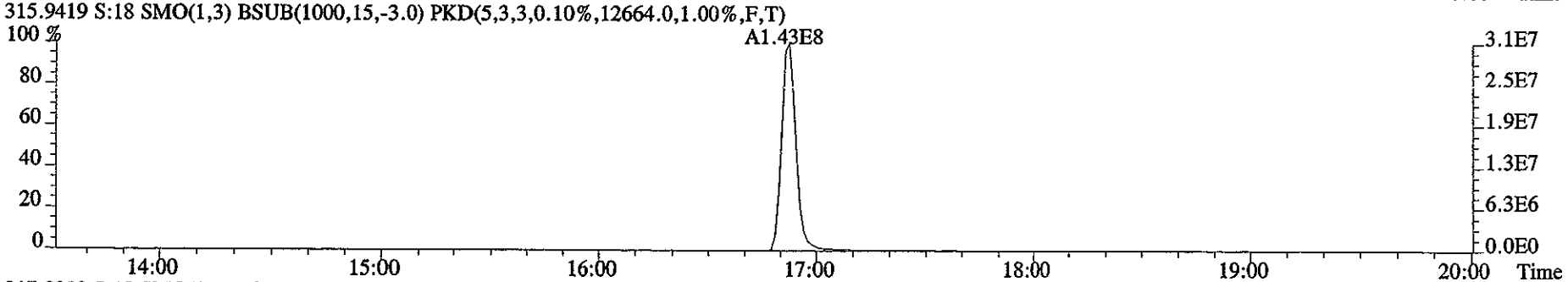
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5828.0,1.00%,F,T)



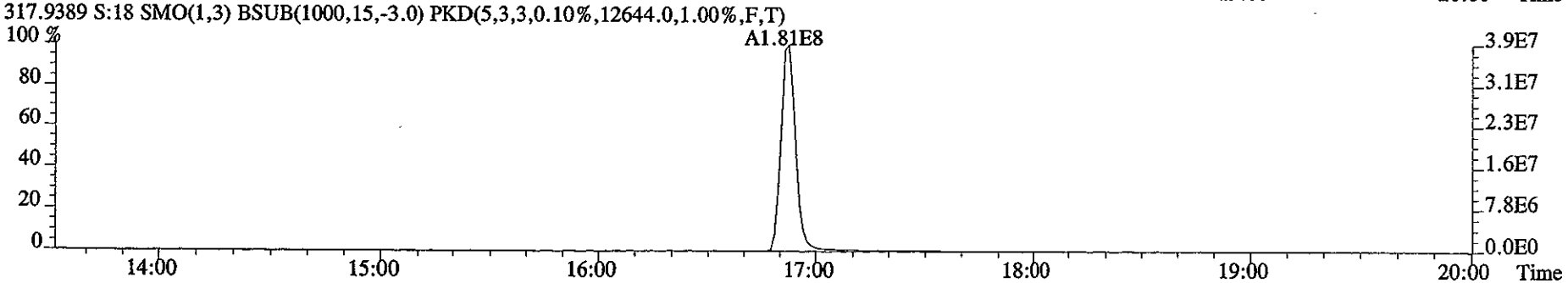
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T)



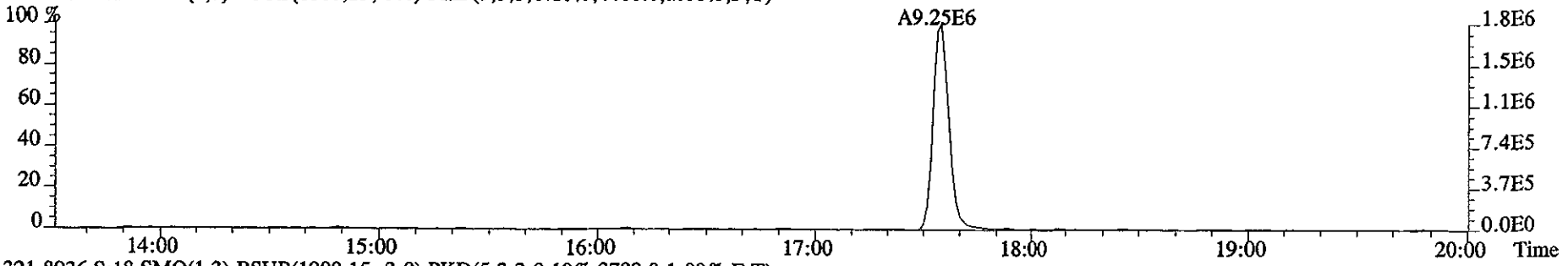
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12664.0,1.00%,F,T)



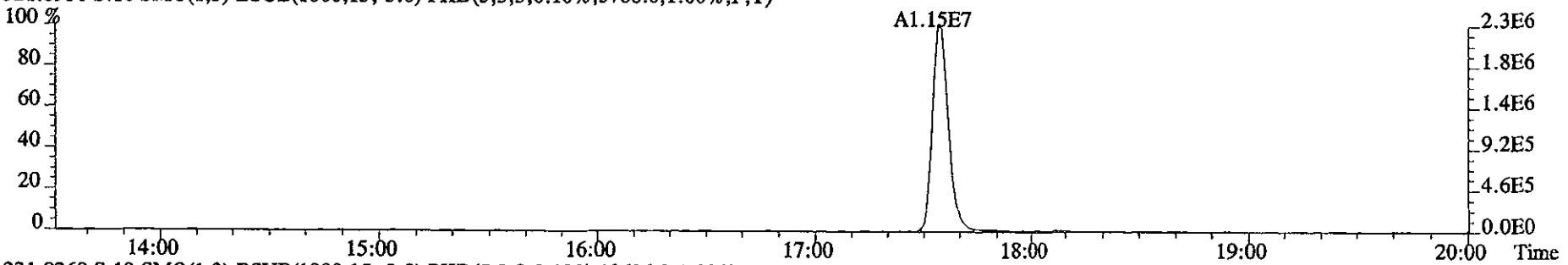
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12644.0,1.00%,F,T)



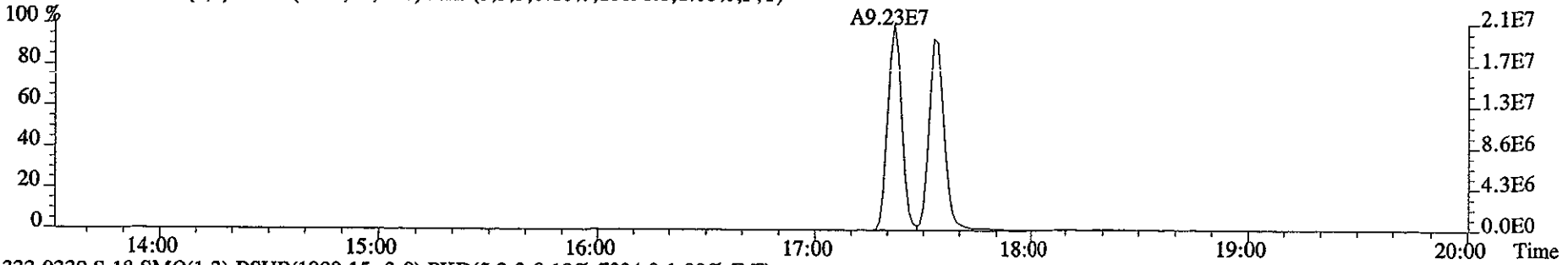
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4460.0,1.00%,F,T)



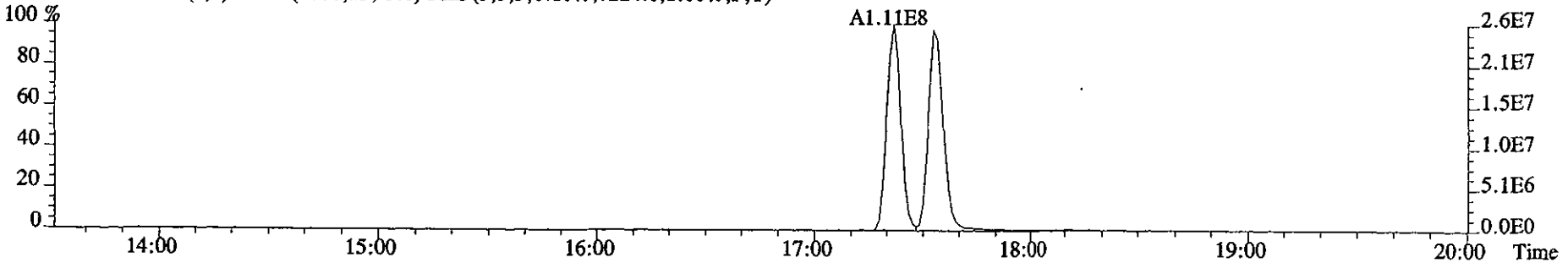
321.8936 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3788.0,1.00%,F,T)



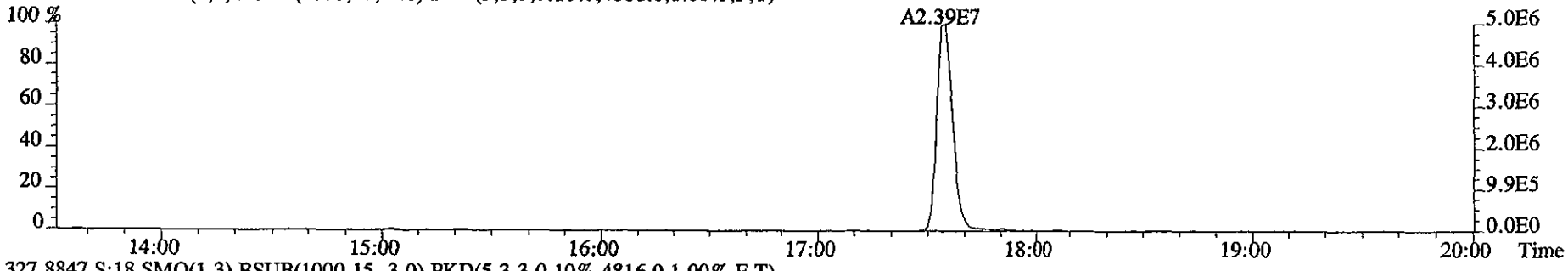
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10696.0,1.00%,F,T)



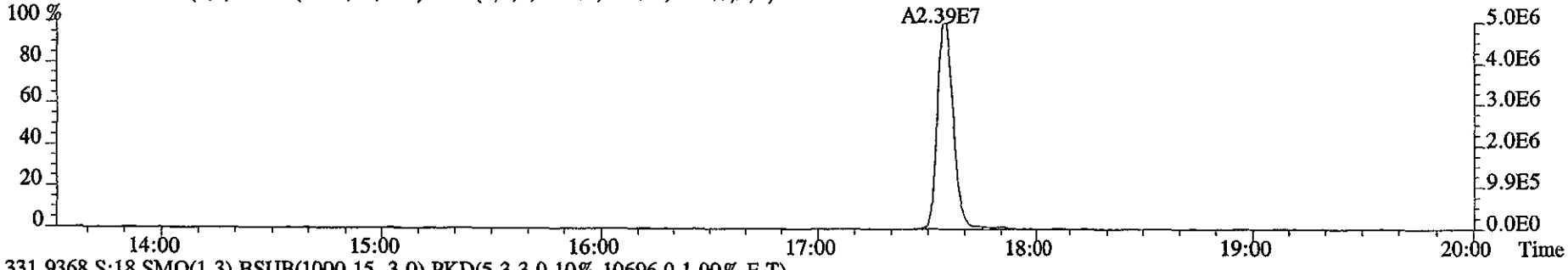
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



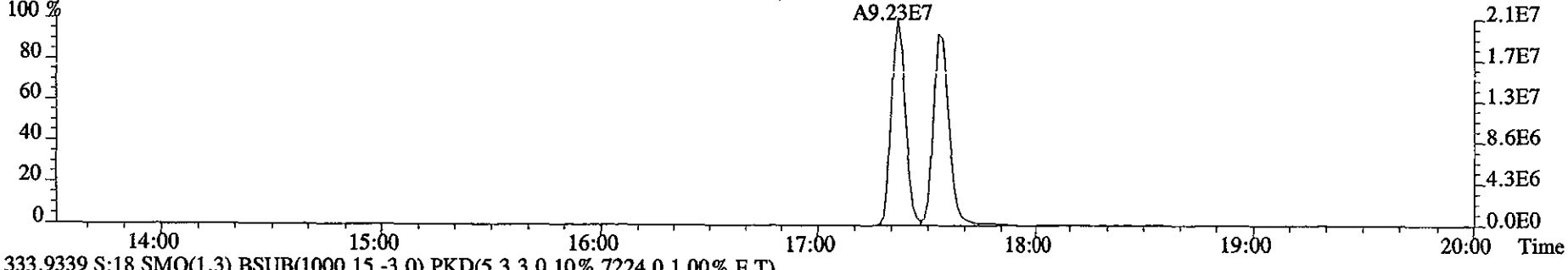
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816.0,1.00%,F,T)



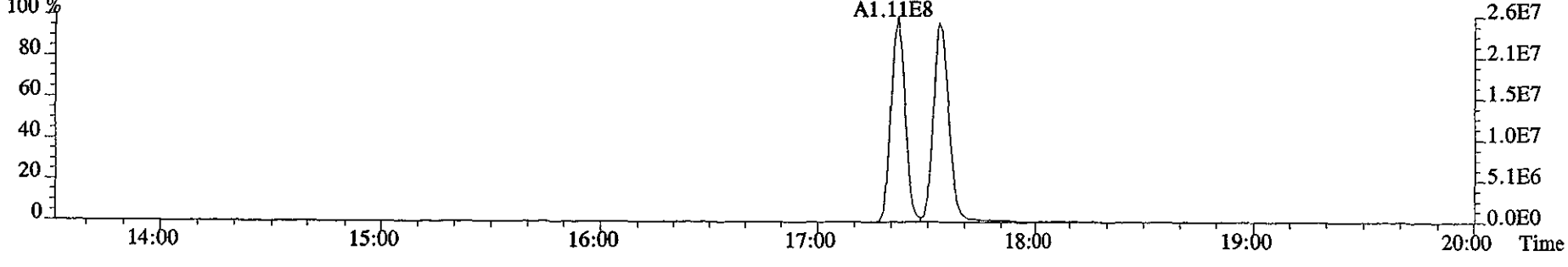
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816.0,1.00%,F,T)



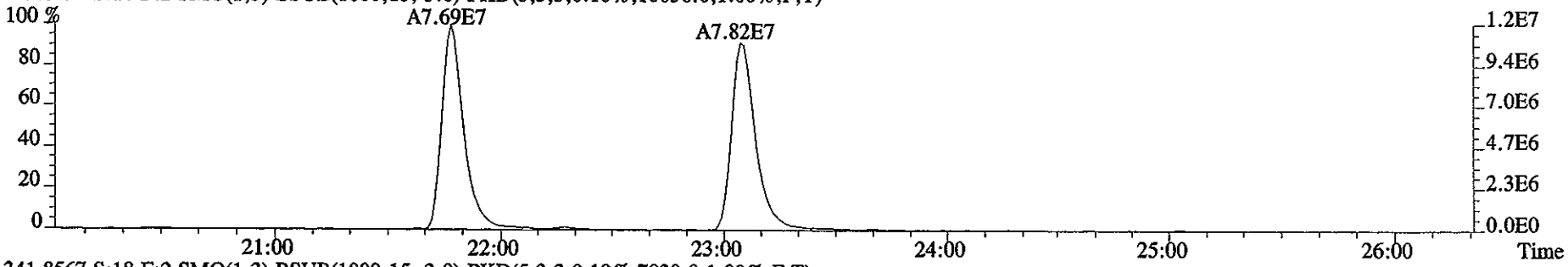
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10696.0,1.00%,F,T)



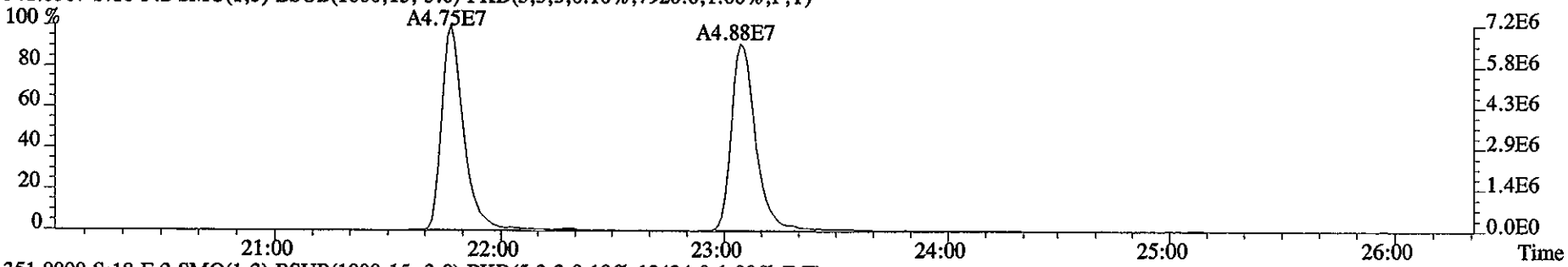
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



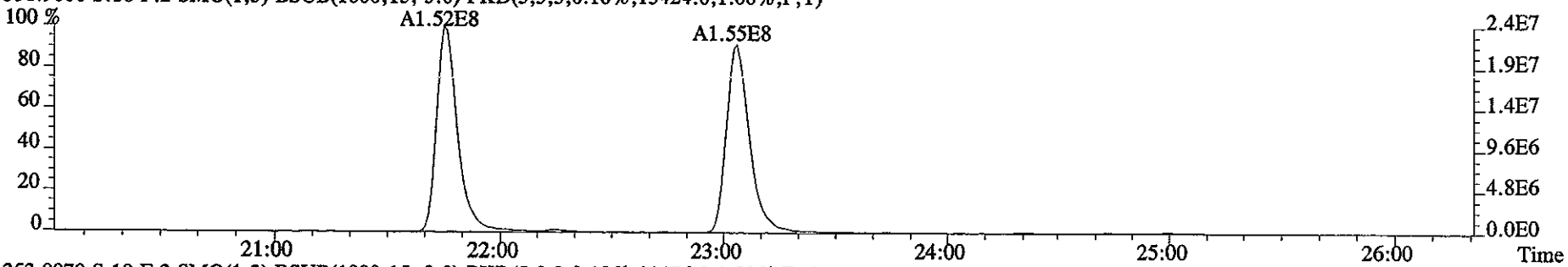
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10656.0,1.00%,F,T)



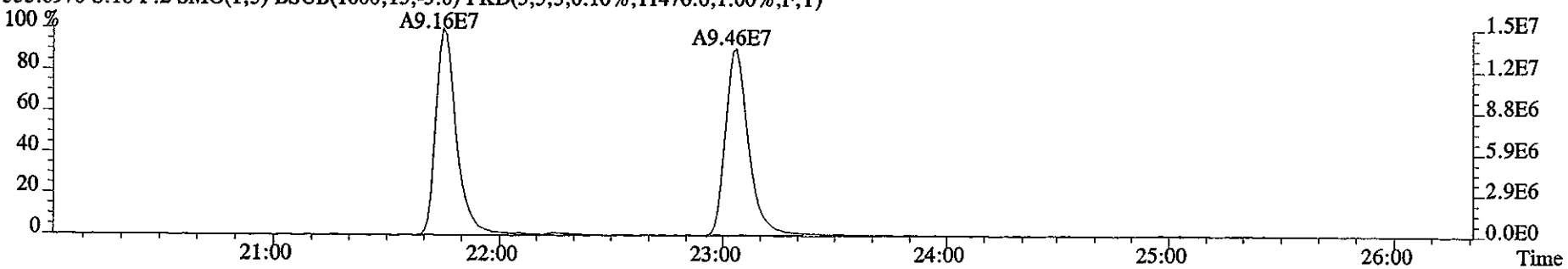
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920.0,1.00%,F,T)



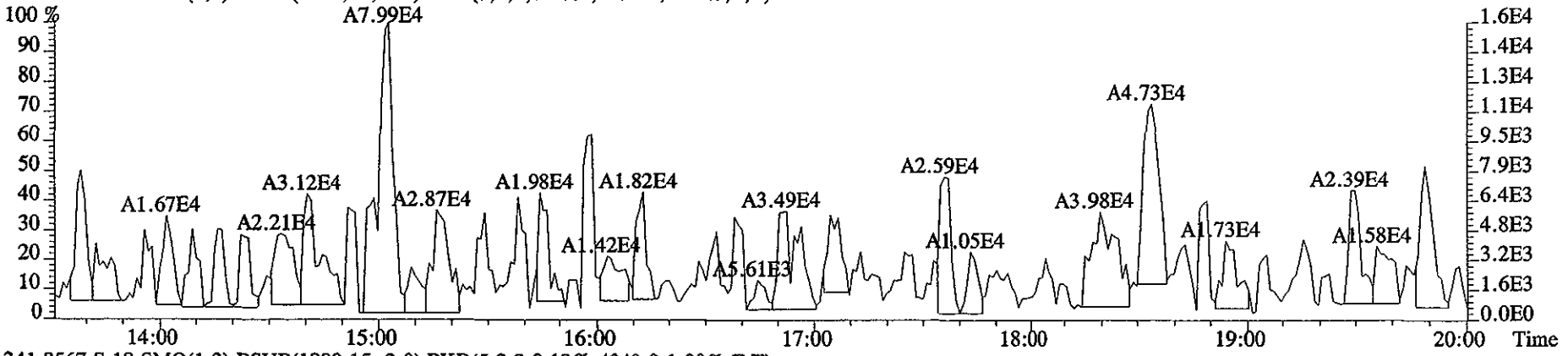
351.9000 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13424.0,1.00%,F,T)



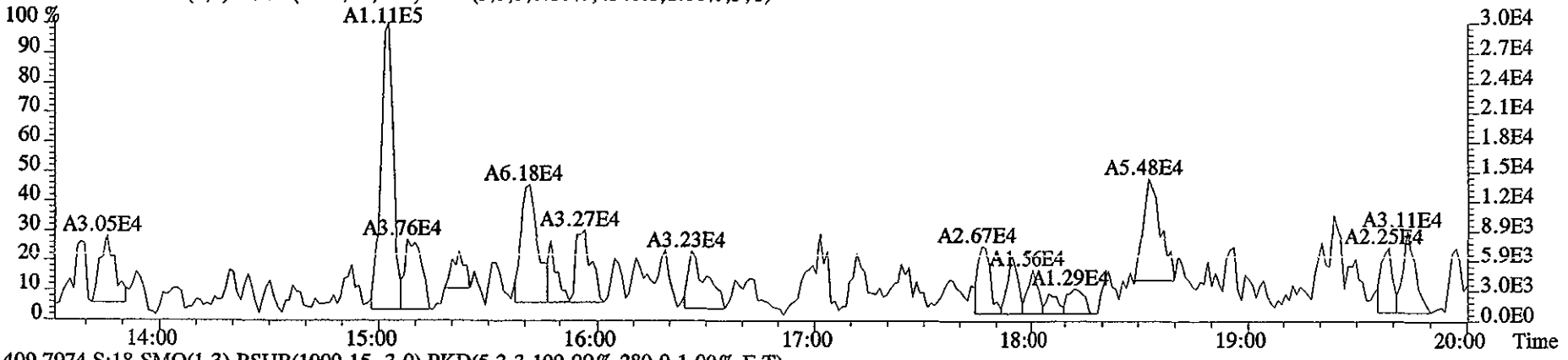
353.8970 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11476.0,1.00%,F,T)



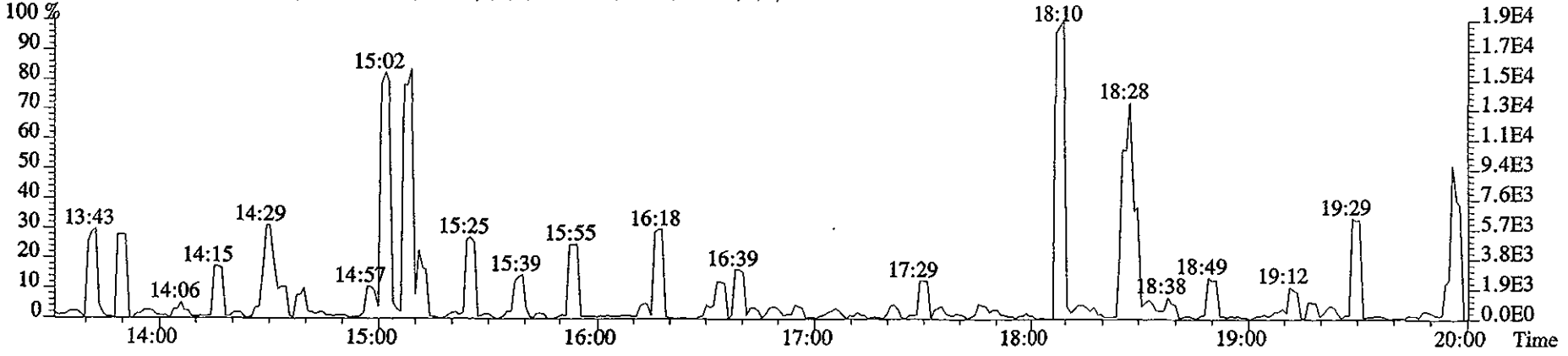
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
339.8597 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556.0,1.00%,F,T)



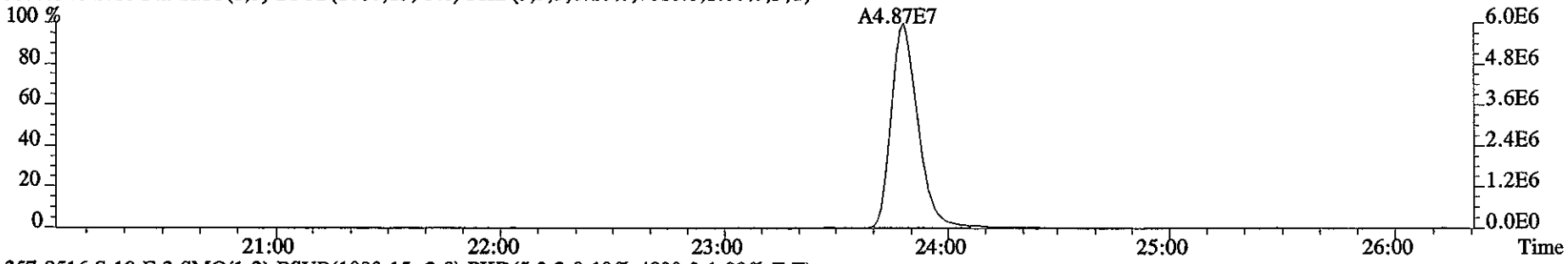
341.8567 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



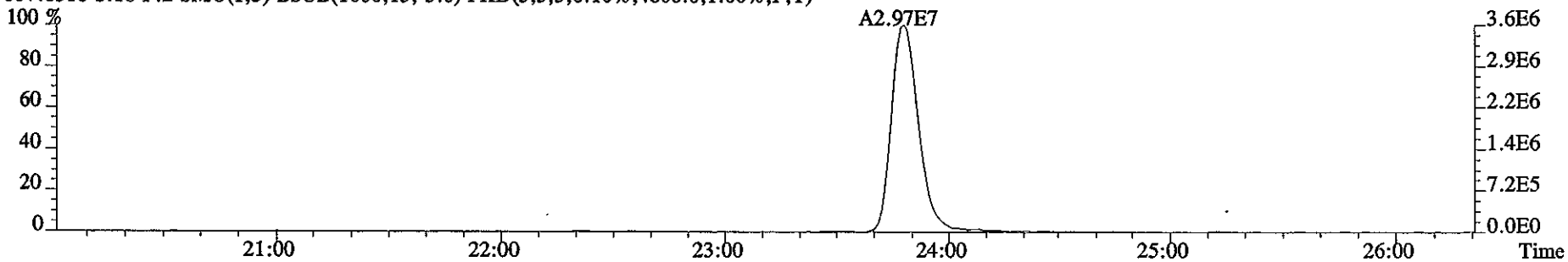
409.7974 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,280.0,1.00%,F,T)



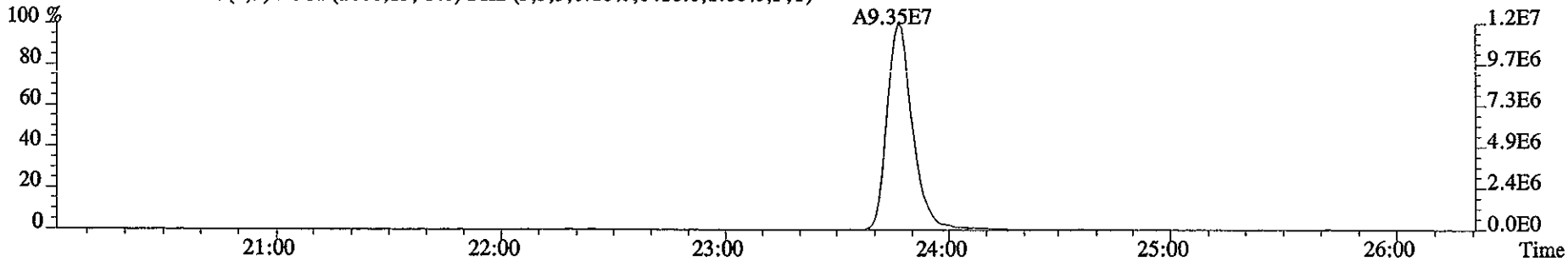
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
355.8546 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7016.0,1.00%,F,T)



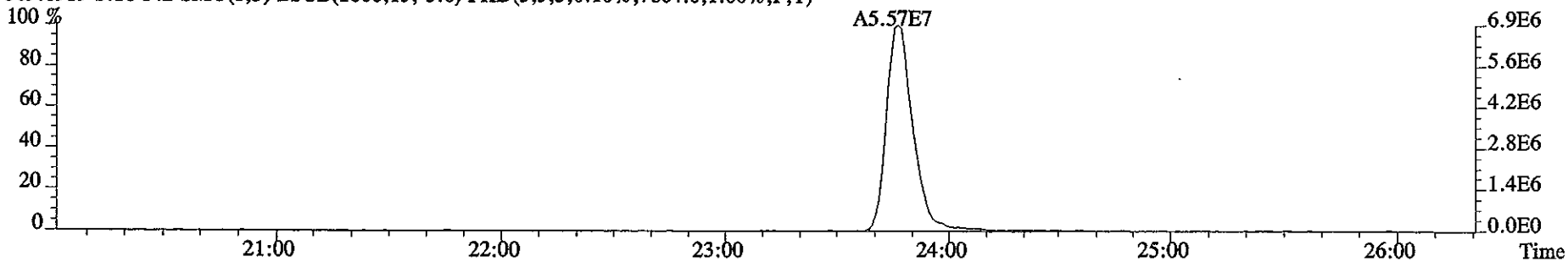
357.8516 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4800.0,1.00%,F,T)



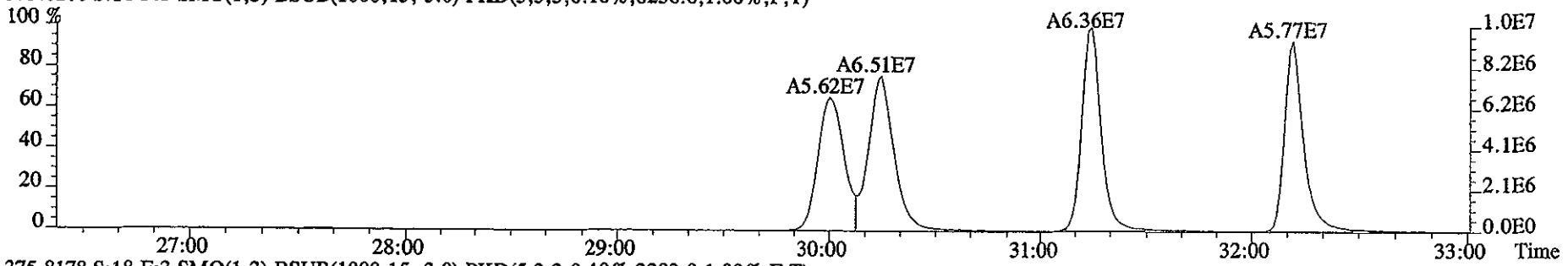
367.8949 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8416.0,1.00%,F,T)



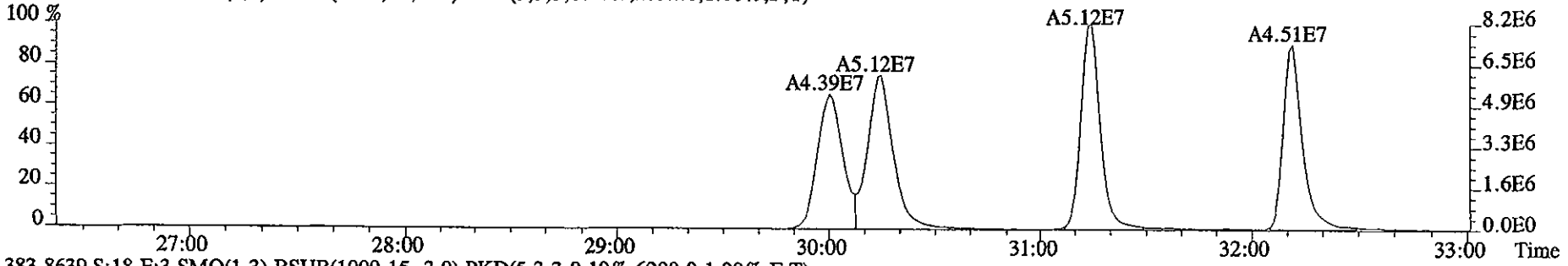
369.8919 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7864.0,1.00%,F,T)



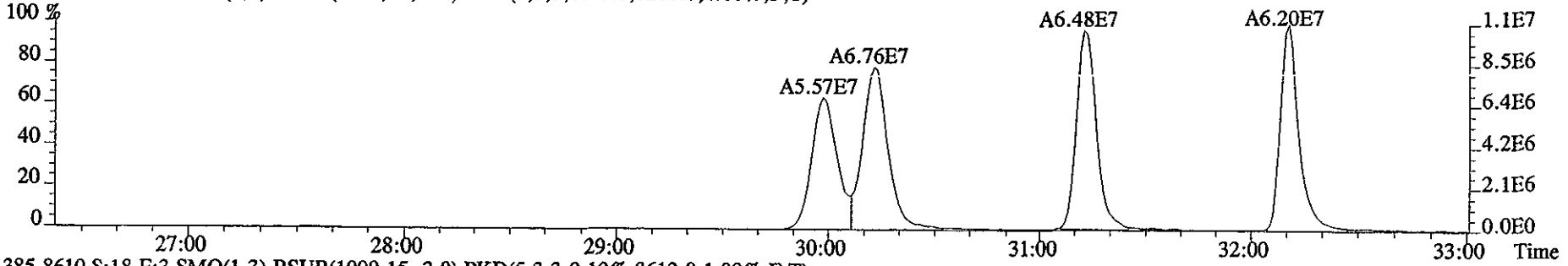
File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
373.8208 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)



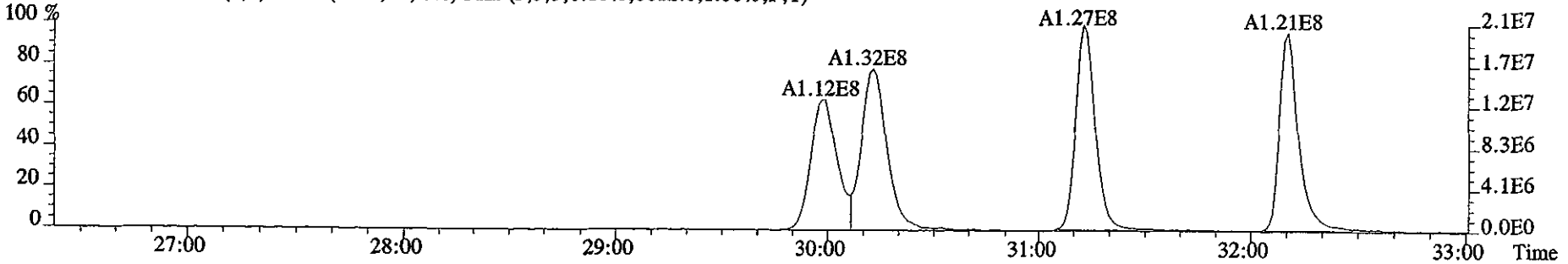
375.8178 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



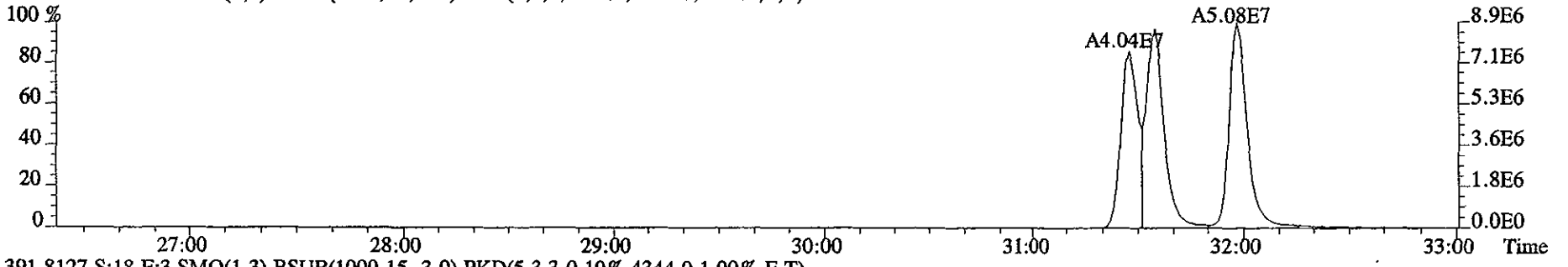
383.8639 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6200.0,1.00%,F,T)



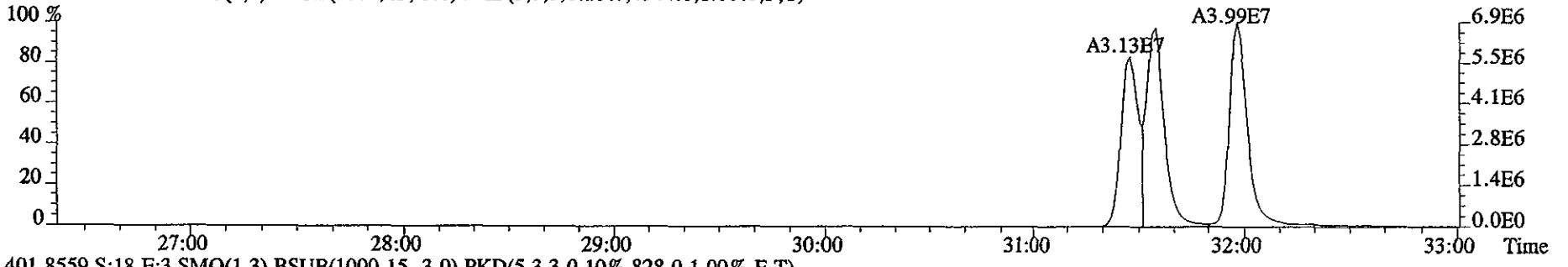
385.8610 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8612.0,1.00%,F,T)



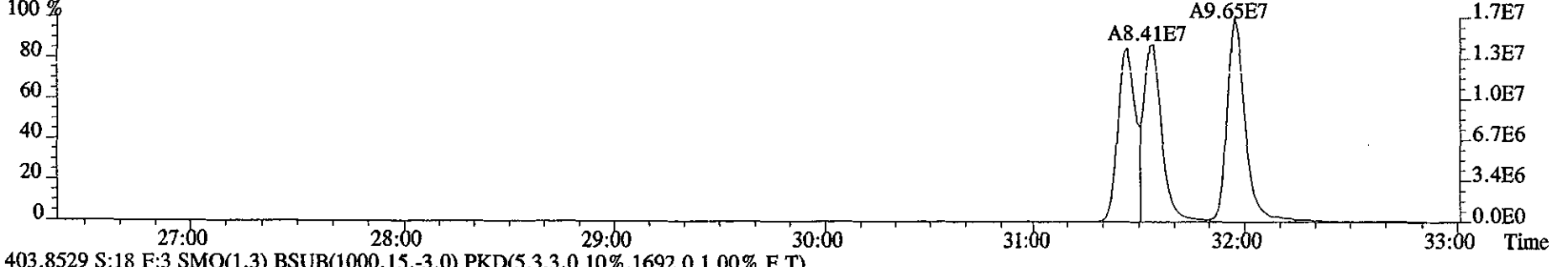
File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
389.8157 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



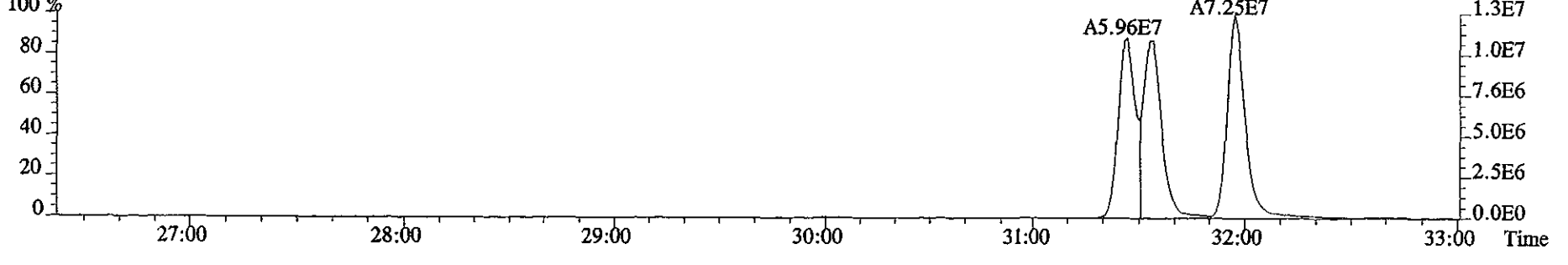
391.8127 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4344.0,1.00%,F,T)



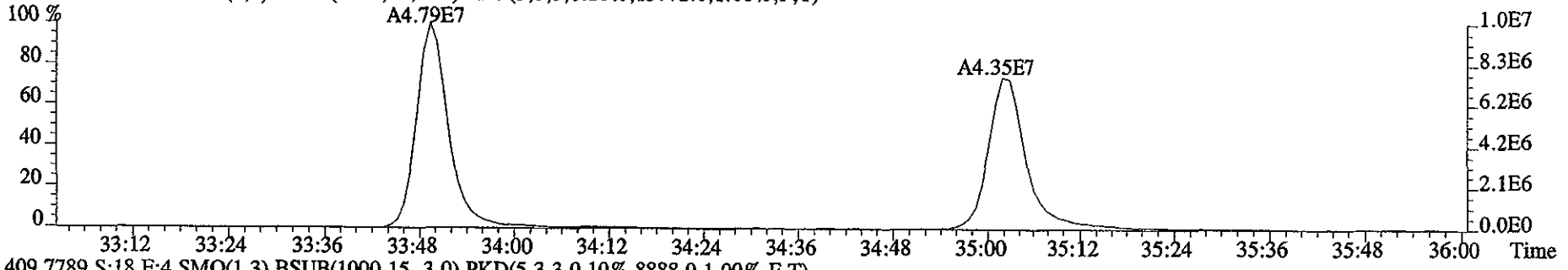
401.8559 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)



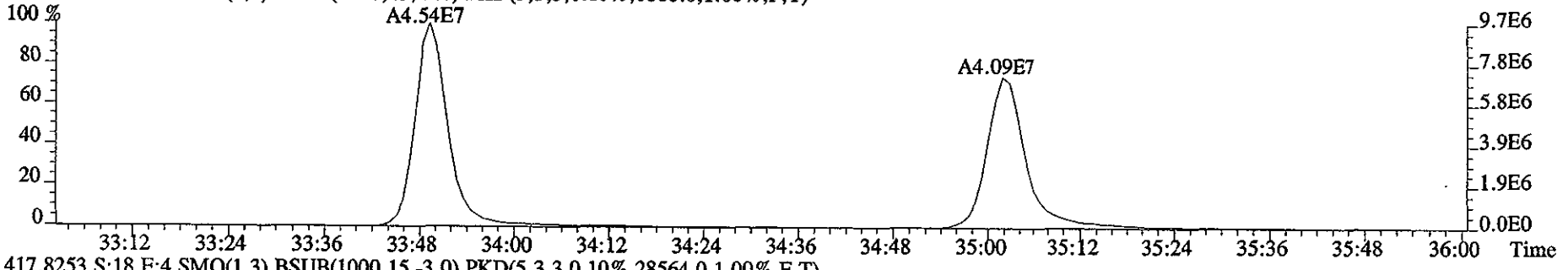
403.8529 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1692.0,1.00%,F,T)



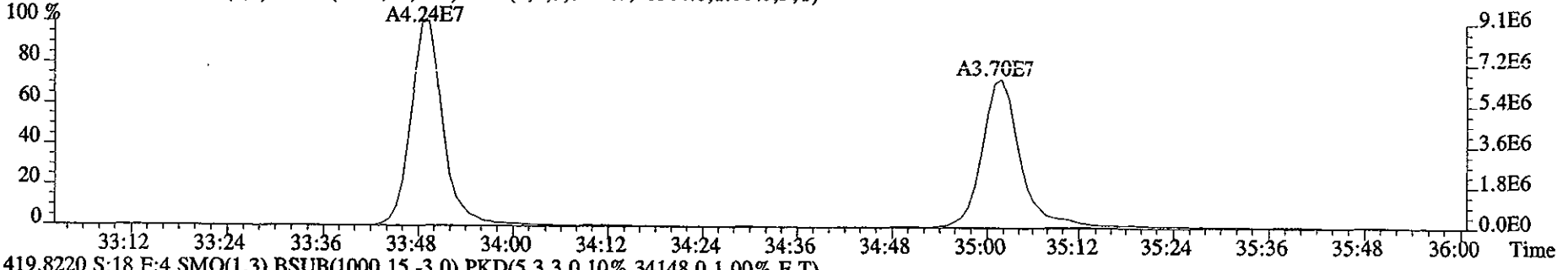
File:29AP101D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
407.7818 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15772.0,1.00%,F,T)



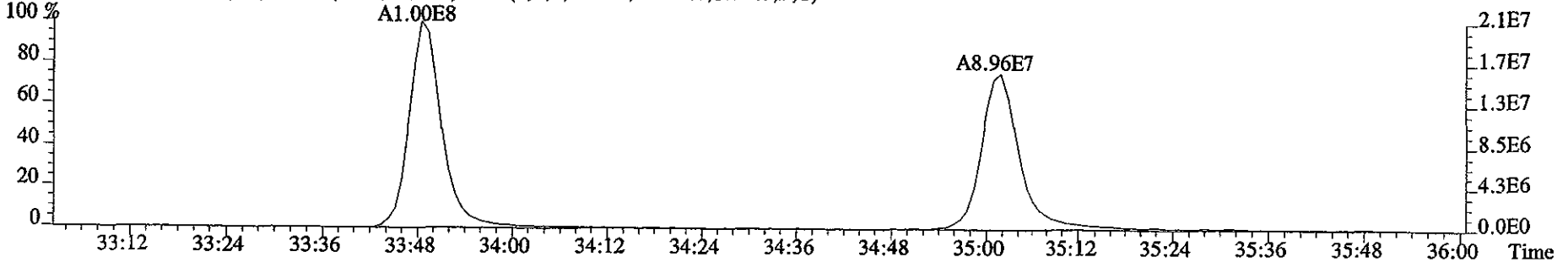
409.7789 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8888.0,1.00%,F,T)



417.8253 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28564.0,1.00%,F,T)

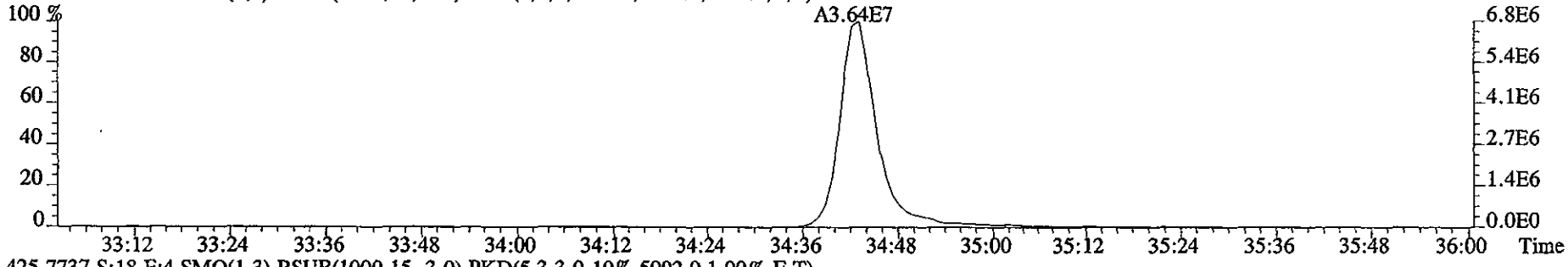


419.8220 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34148.0,1.00%,F,T)

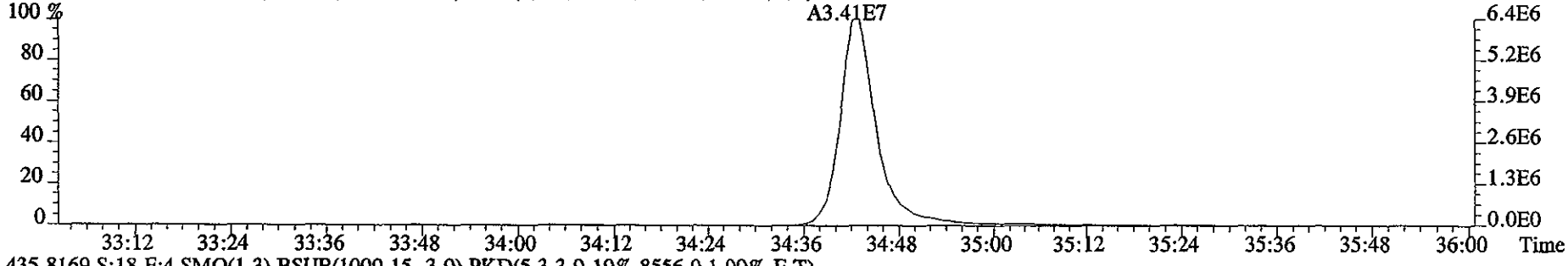


File:29AP101D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES

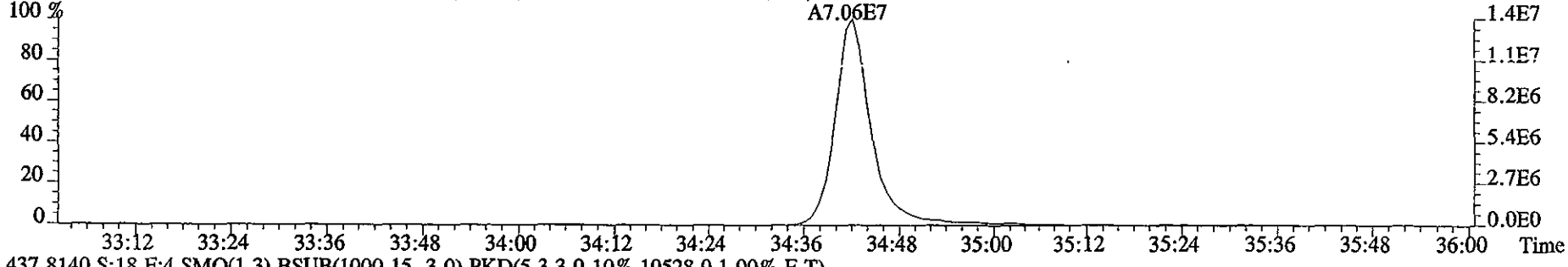
423.7766 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5692.0,1.00%,F,T)



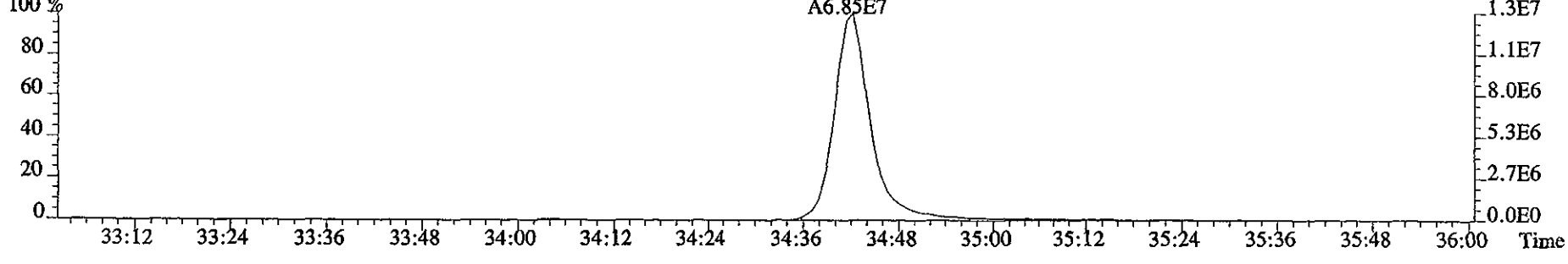
425.7737 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5992.0,1.00%,F,T)



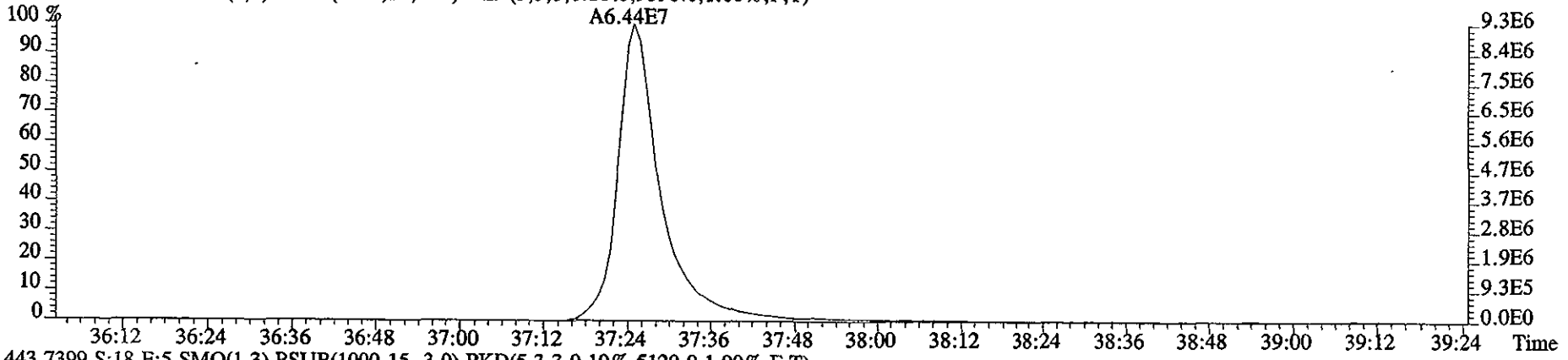
435.8169 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8556.0,1.00%,F,T)



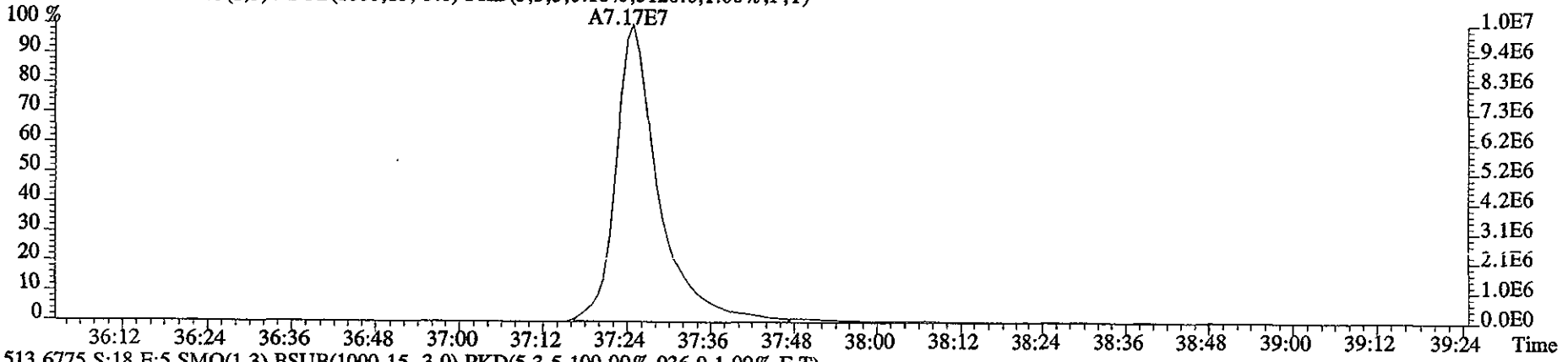
437.8140 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10528.0,1.00%,F,T)



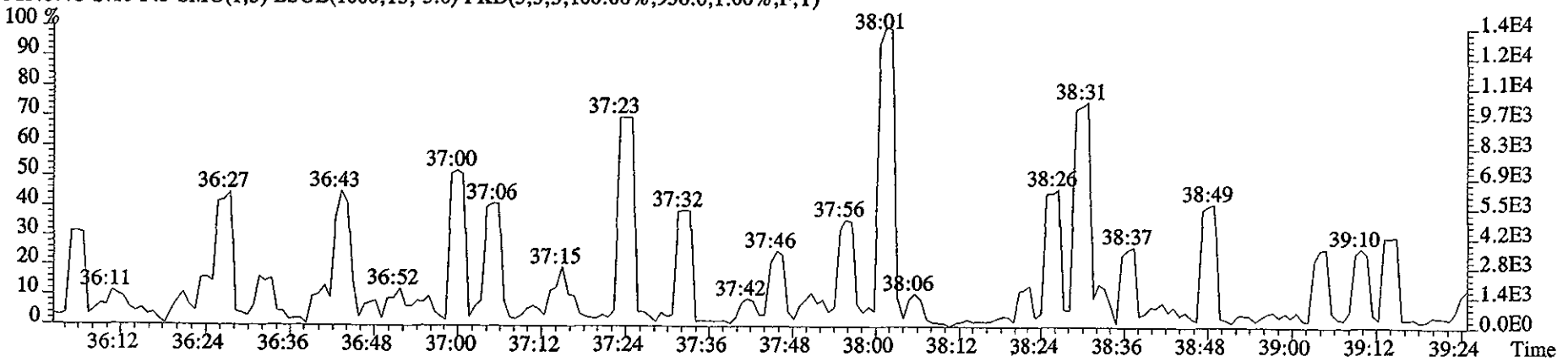
File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
441.7428 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9596.0,1.00%,F,T)



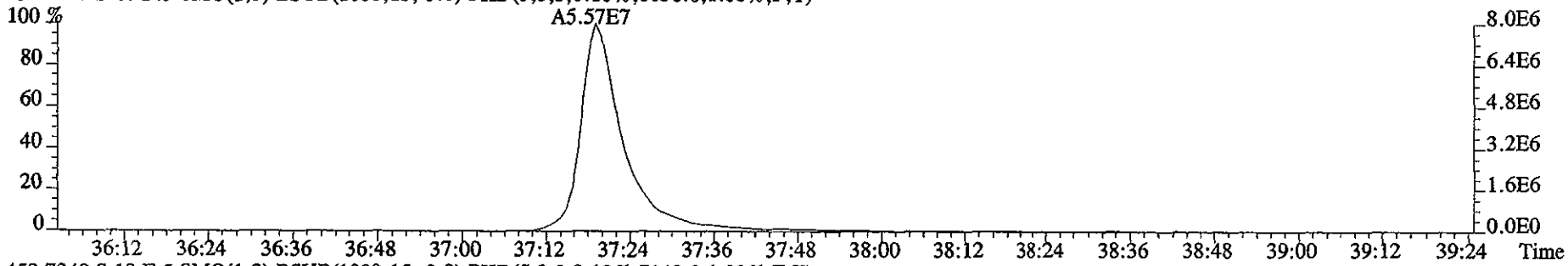
443.7399 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5120.0,1.00%,F,T)



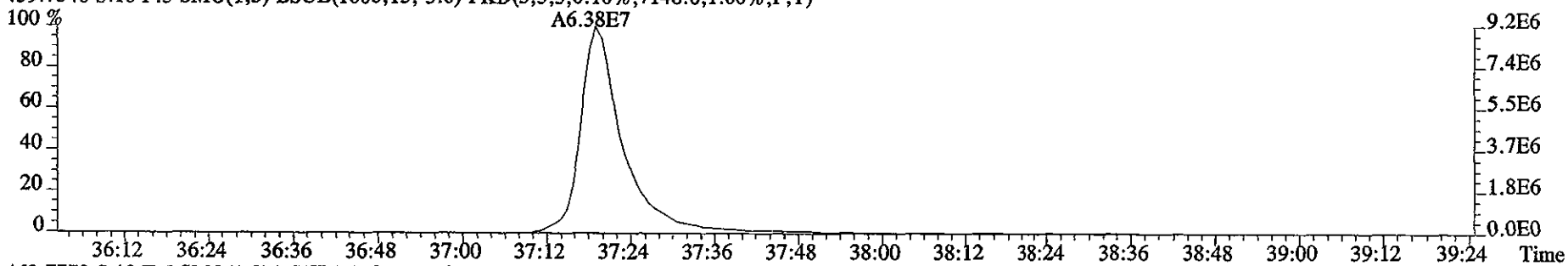
513.6775 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,936.0,1.00%,F,T)



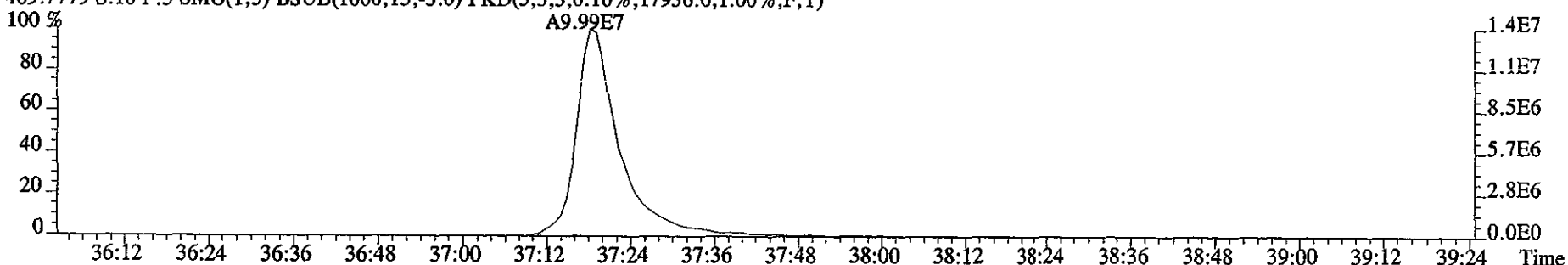
File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
457.7377 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)



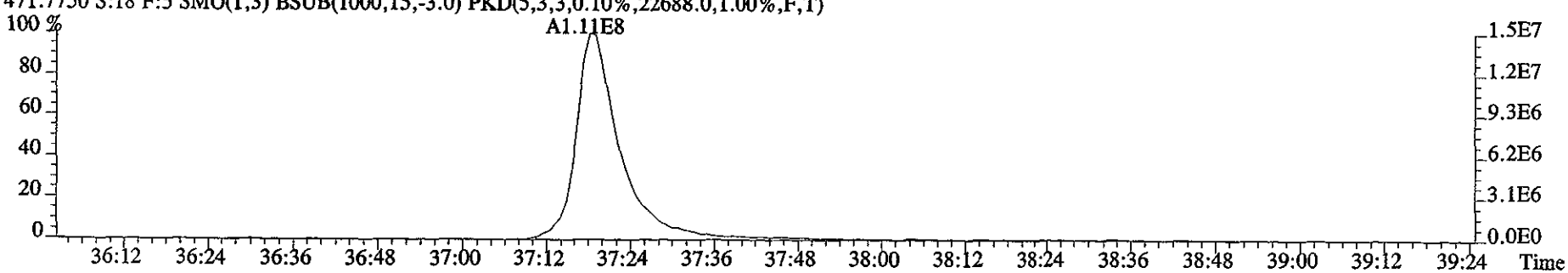
459.7348 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7148.0,1.00%,F,T)



469.7779 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17936.0,1.00%,F,T)

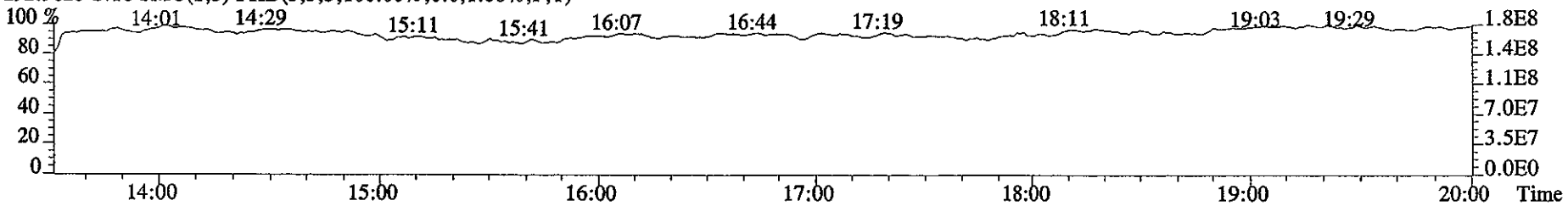


471.7750 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22688.0,1.00%,F,T)

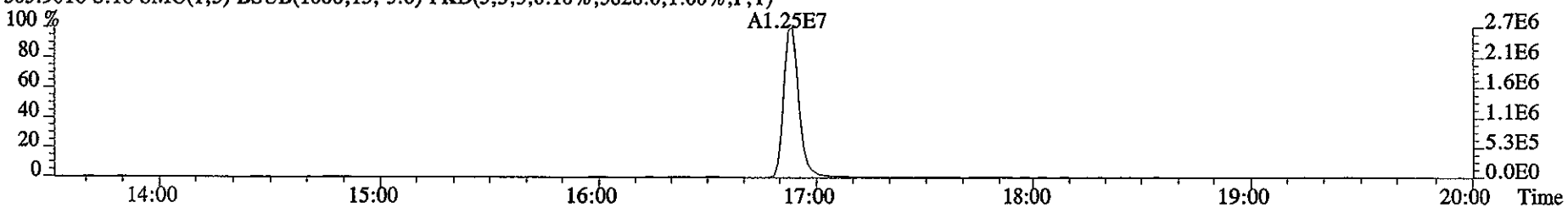


File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES

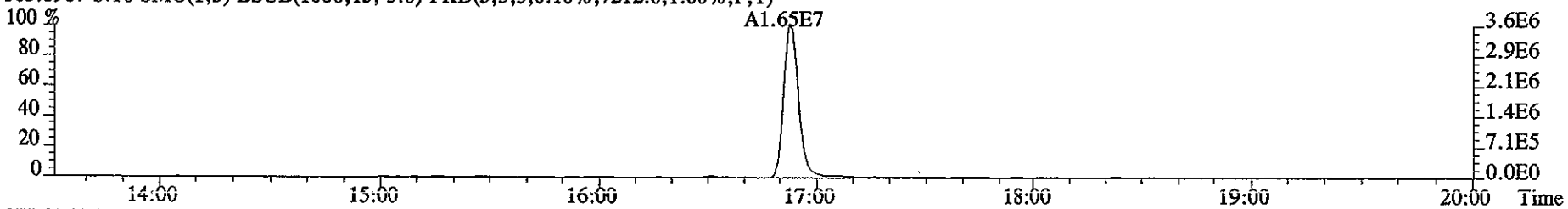
292.9825 S:18 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



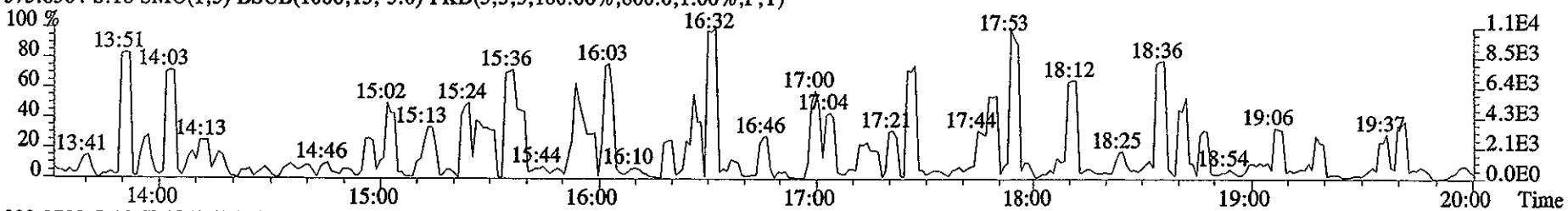
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5828.0,1.00%,F,T)



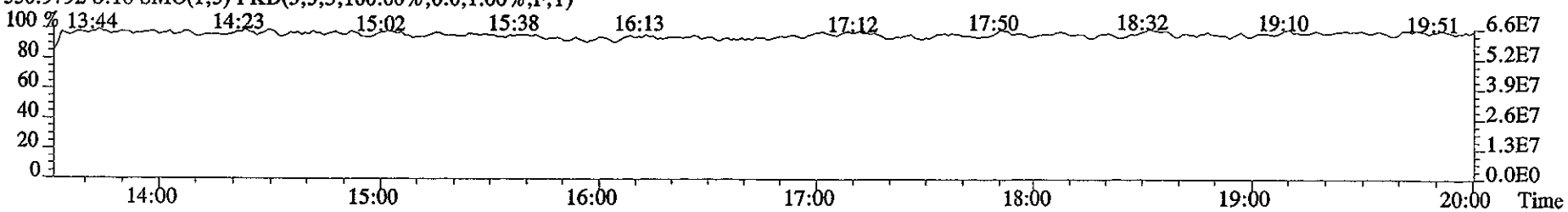
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T)



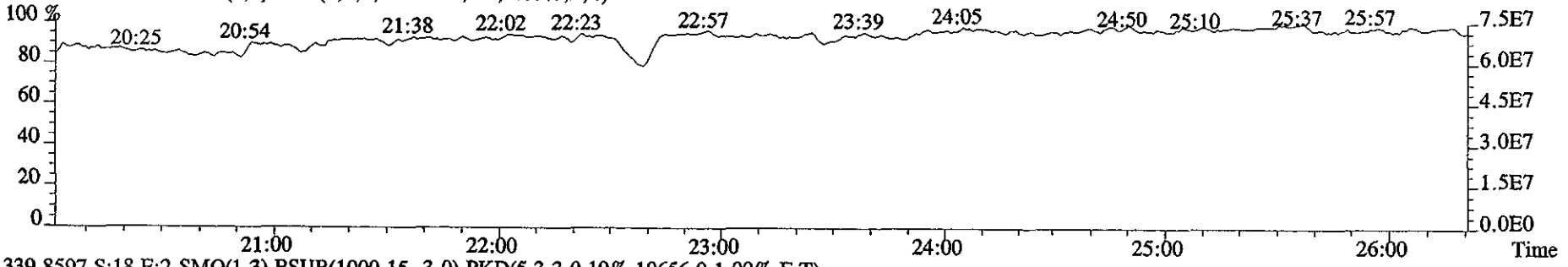
375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,800.0,1.00%,F,T)



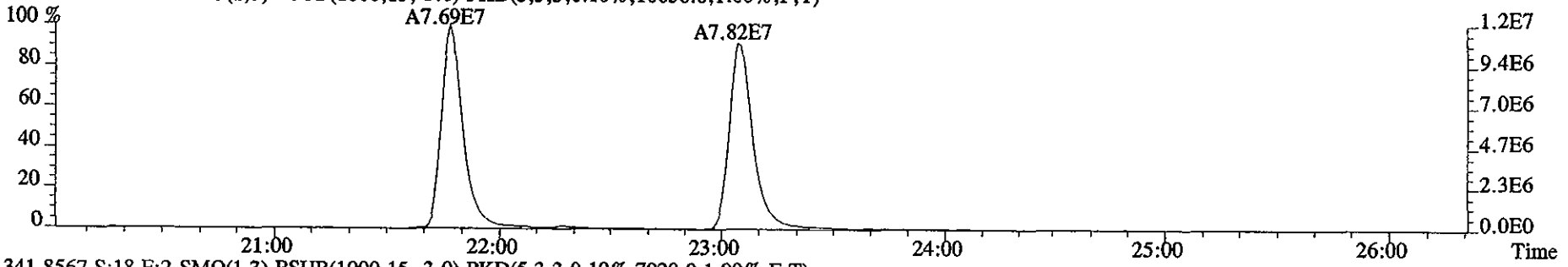
330.9792 S:18 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



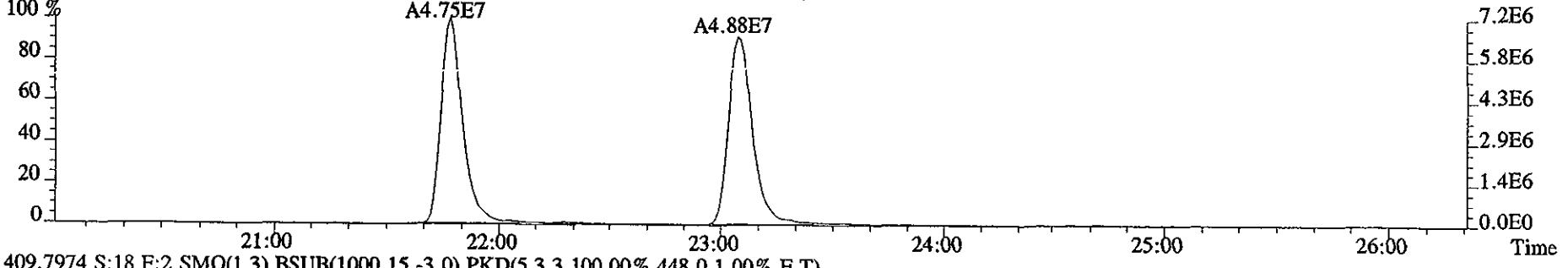
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
342.9792 S:18 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



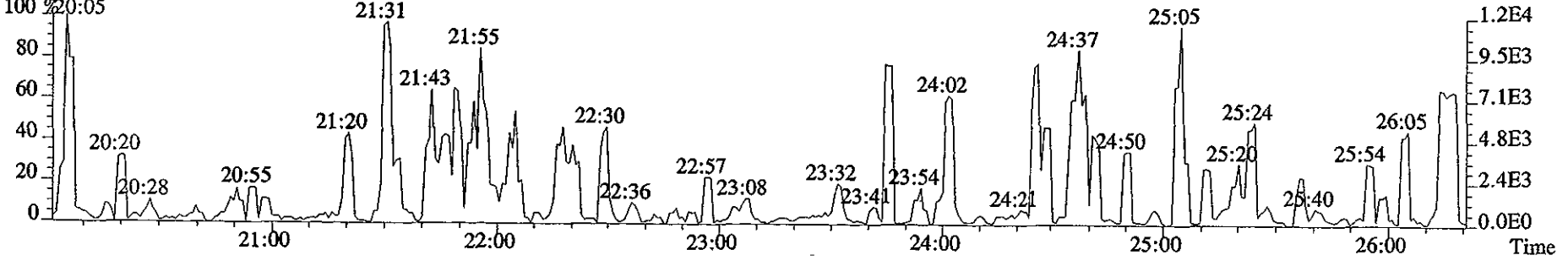
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10656.0,1.00%,F,T)



341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920.0,1.00%,F,T)

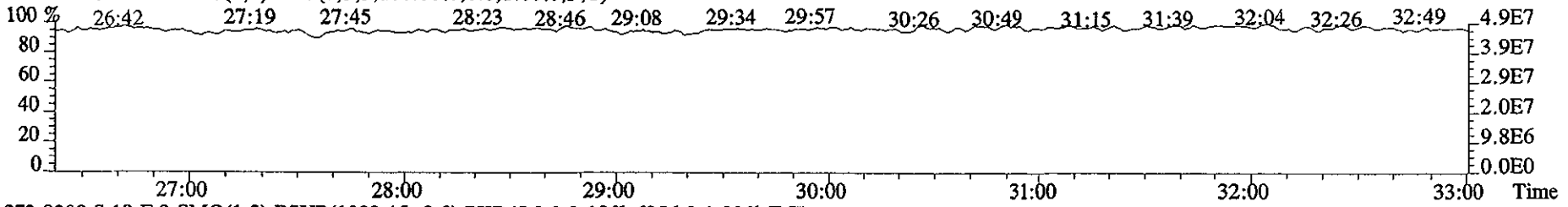


409.7974 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,448.0,1.00%,F,T)

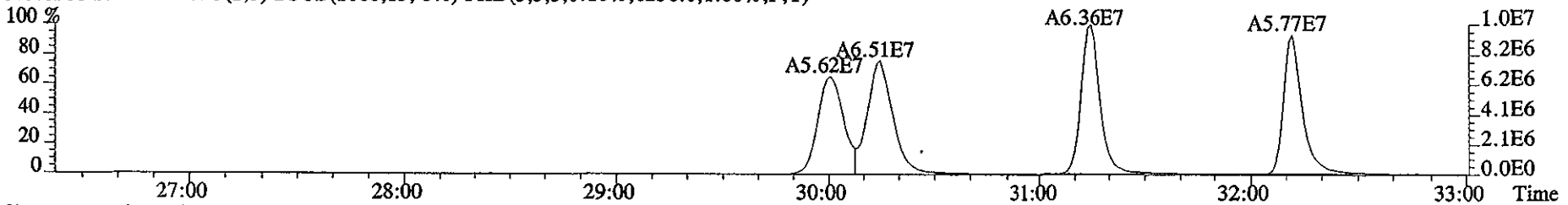


File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES

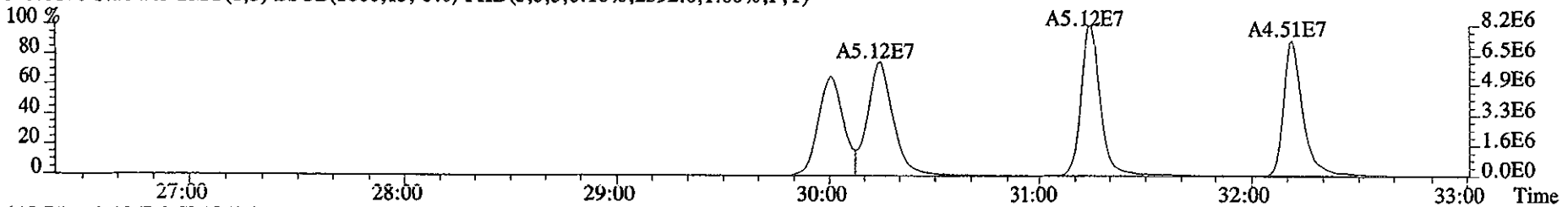
392.9760 S:18 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



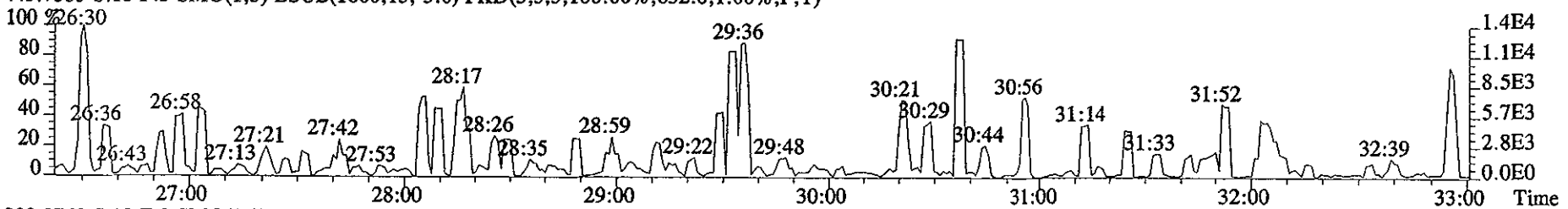
373.8208 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)



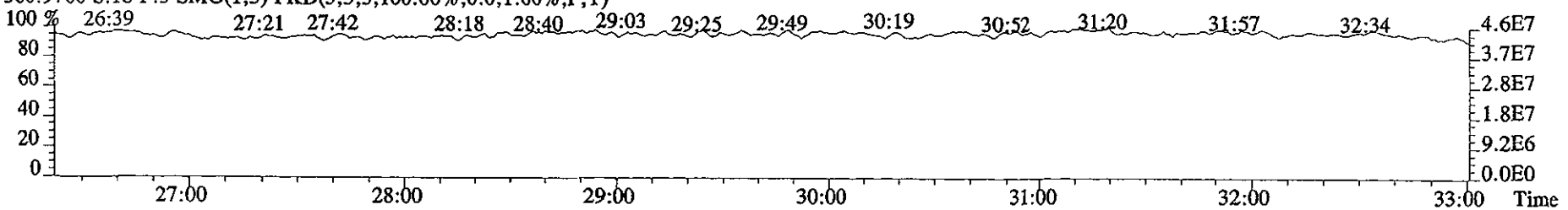
375.8178 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



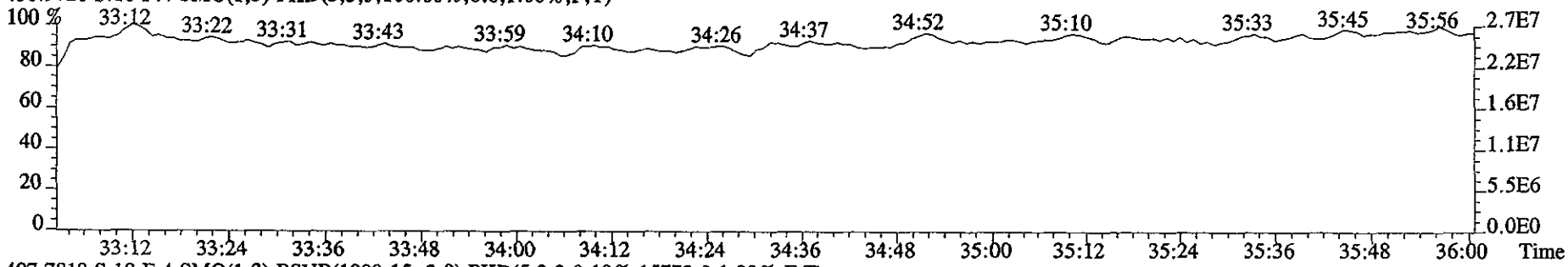
445.7555 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,632.0,1.00%,F,T)



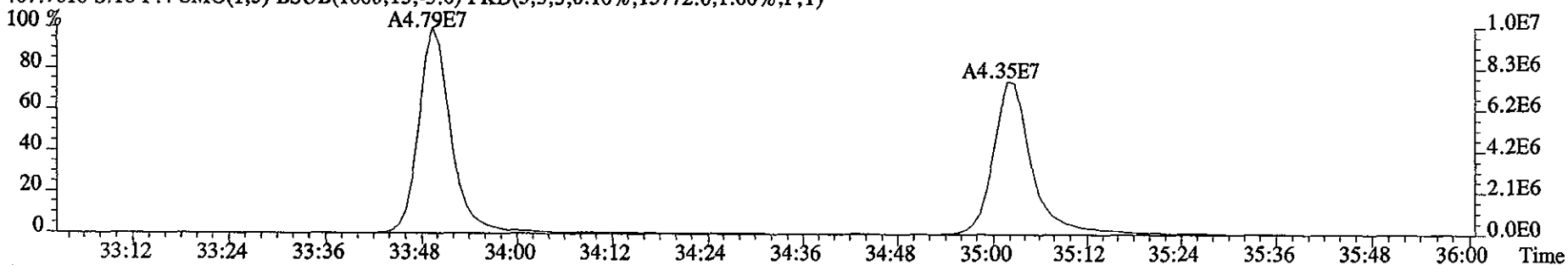
380.9760 S:18 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



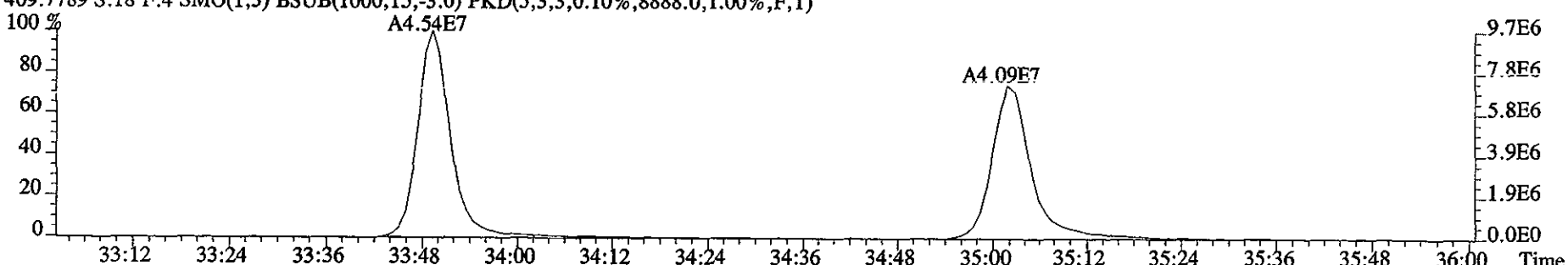
File:29AP101D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
430.9728 S:18 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



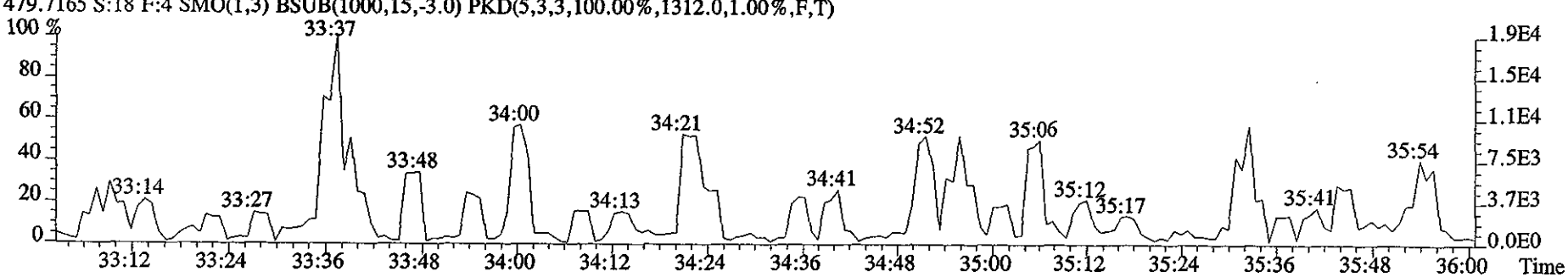
407.7818 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15772.0,1.00%,F,T)



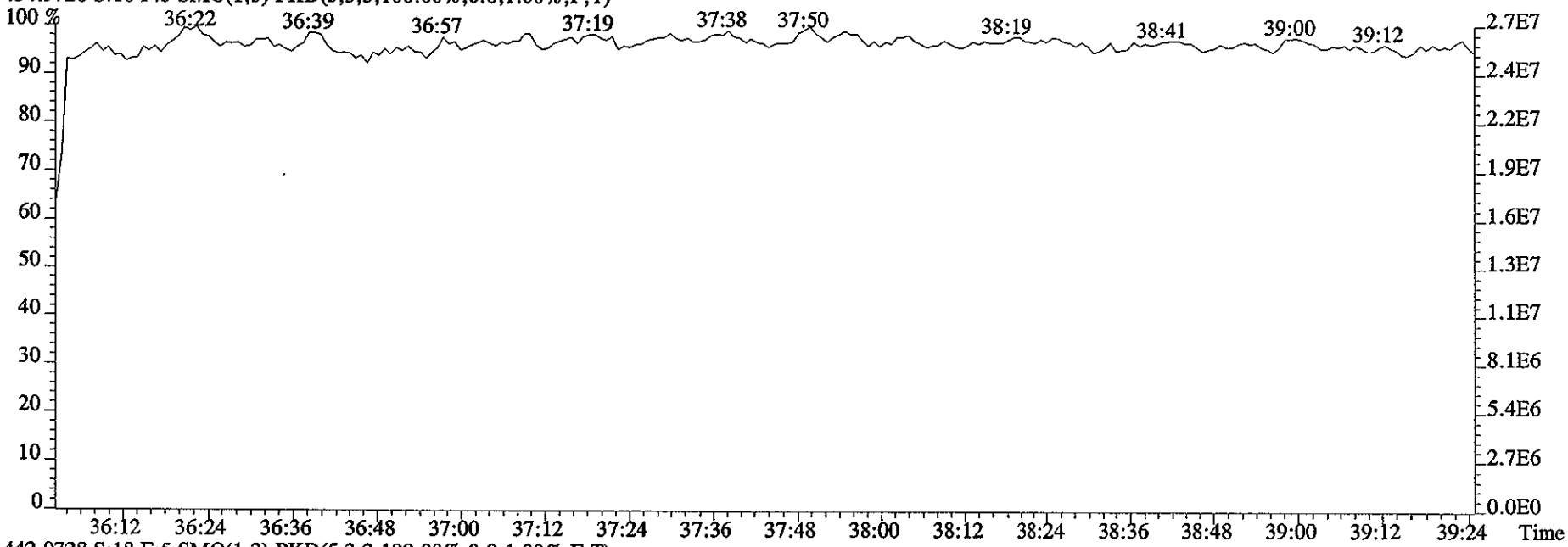
409.7789 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8888.0,1.00%,F,T)



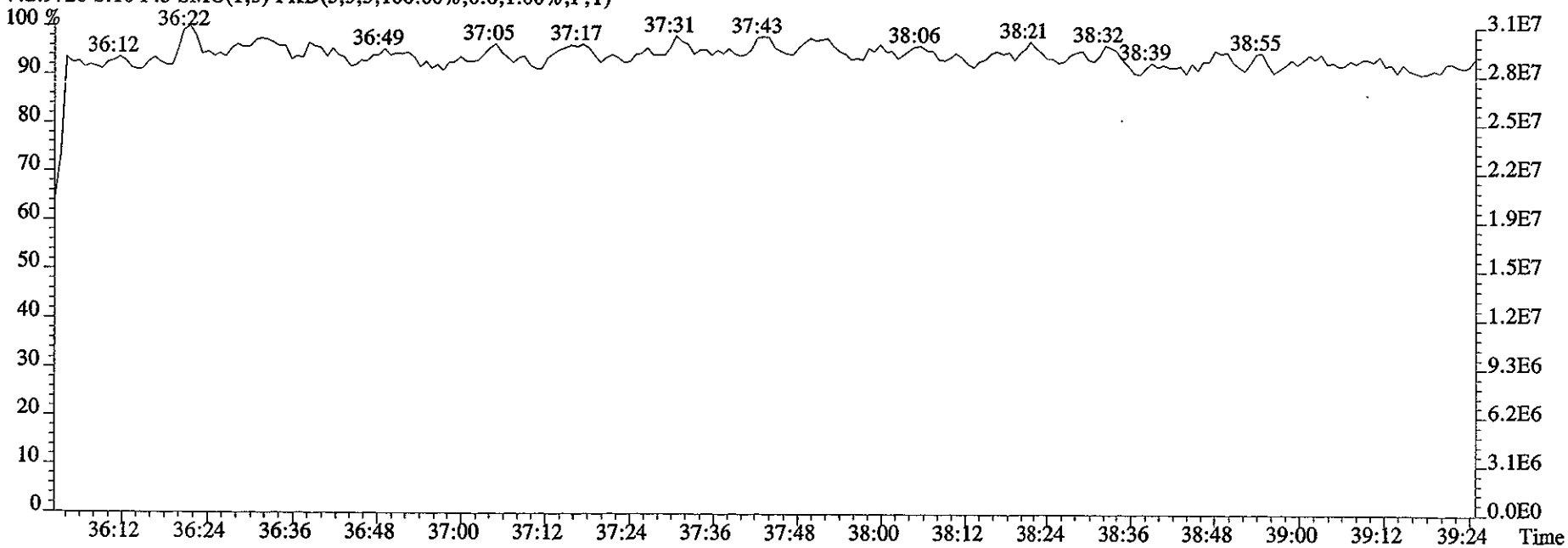
479.7165 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1312.0,1.00%,F,T)



File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
454.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290) | Associated ICAL DB225042110SD2

Column ID DB225 | Instrument ID 5D2

STD ID STO501A, STO501B | STD Solution 10DxN111

Analyzed by LM, MED | Date Analyzed 5/1/10, 5/2/10

Std. Pkg. By MCW | Date Std. Pkg. Assembled 5/3/10

Std. Pkg. Reviewed By AK | Date Std. Pkg. Reviewed 5/3/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

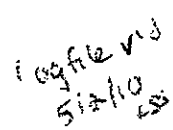
Run text: ST0501A File text: ST0501A :CS3 10DXN111
Run #6 Filename 01MY10A5D2 S: 1 I: 1
Acquired: 1-MAY-10 19:38:46 Processed: 3-MAY-10 09:35:13
Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 01MY10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	81642500	0.77 y	15:02	-	100.00	-	n
13C-2,3,7,8-TCDF	148537400	0.82 y	16:13	1.82	100.00	-13.6	n
2,3,7,8-TCDF	16011660	0.86 y	16:14	1.08	10.00	-1.0	n
13C-2,3,7,8-TCDD	77113500	0.78 y	14:50	0.94	100.00	-0.4	n
2,3,7,8-TCDD	10683800	0.82 y	14:51	1.39	10.00	2.1	n
37Cl-2,3,7,8-TCDD	18482680	1.00 y	14:51	2.26	10.00	-0.6	n

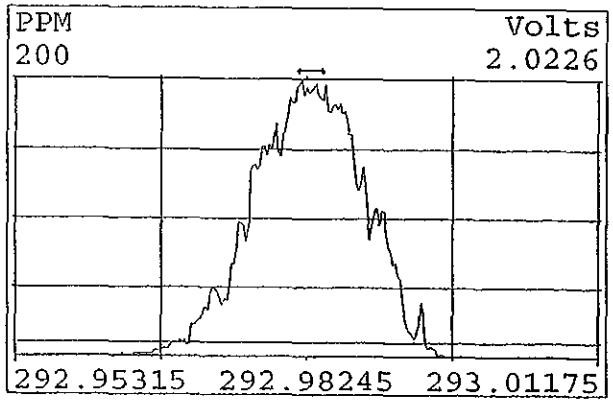
Run text: ST0501B File text: ST0501B :CS3 10DXN111
Run #22 Filename 01MY10A5D2 S: 20 I: 1
Acquired: 2-MAY-10 07:23:29 Processed: 3-MAY-10 09:39:06
Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 01MY10A5D2DB225

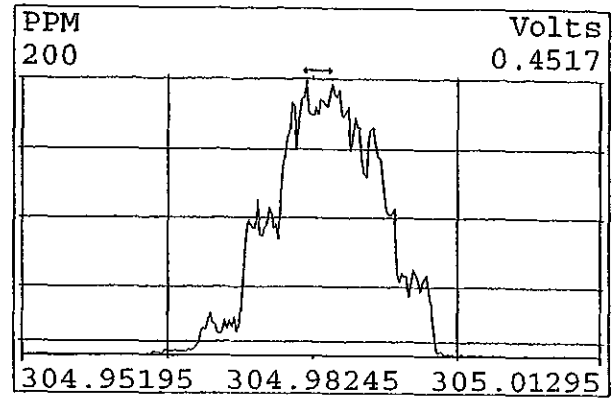
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	67989200	0.78 y	14:54	-	100.00	-	n
13C-2,3,7,8-TCDF	130846400	0.81 y	16:05	1.92	100.00	-8.6	n
2,3,7,8-TCDF	14639670	0.83 y	16:06	1.12	10.00	2.8	n
13C-2,3,7,8-TCDD	65703800	0.76 y	14:43	0.97	100.00	1.9	n
2,3,7,8-TCDD	9330150	0.83 y	14:44	1.42	10.00	4.6	n
37Cl-2,3,7,8-TCDD	15726460	1.00 y	14:44	2.31	10.00	1.5	n

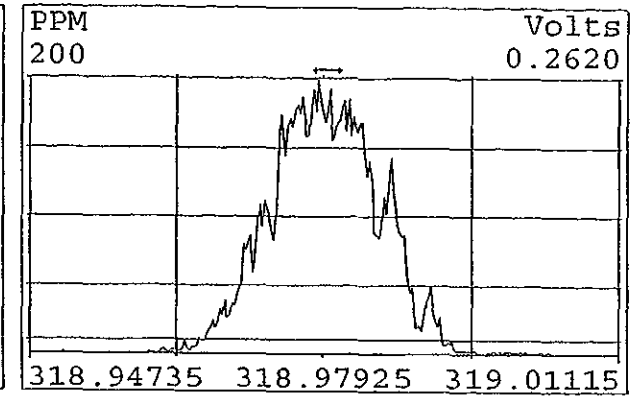
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
01MY10A5D2	1	ST0501A	CS3 10DXN111				1.000	
01MY10A5D2	2	CP0501A	DB-225 CPSM 3732-06				1.000	
01MY10A5D2	3	SB0501A	Solvent Blank C-14				1.000	
01MY10A5D2	4	LXR84-1-AE	G0D100461-26	10	8290/SOLID	73	10.030	g
01MY10A5D2	5	LX3AJ-1-AD	G0D160435-11	10	8290/SOLID	80	10.700	g
01MY10A5D2	6	LX1HH-1-AD	G0D150462-7	10	8290/SOLID	75	10.950	g
01MY10A5D2	7	LX1HK-1-AD	G0D150462-9	10	8290/SOLID		10.840	g
01MY10A5D2	8	LX1HD-1-AD	G0D150462-5 (20X)	10	8290/SOLID		10.360	g
01MY10A5D2	9	LX538-1-AC	G0D170496-1	20	8290/SOLID	80	10.770	g
01MY10A5D2	10	LX1HN-1-AD	G0D150462-11	10	8290/SOLID	77	10.810	g
01MY10A5D2	11	LX3AN-1-AC	G0D160435-15	10	8290/SOLID	79	10.000	g
01MY10A5D2	12	LX48E-1-AA	G0D160614-1	20	8290/SOLID	80	10.410	g
01MY10A5D2	13	LX48F-1-AA	G0D160614-2	20	8290/SOLID		10.350	g
01MY10A5D2	14	LX48G-1-AA	G0D160614-3	20	8290/SOLID		10.010	g
01MY10A5D2	15	LX48H-1-AA	G0D160614-4	20	8290/SOLID		10.140	g
01MY10A5D2	16	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.050	g
01MY10A5D2	17	LX0PR-1-AF	G0D140543-10S	10	8290/SOLID		10.020	g
01MY10A5D2	18	LX0PR-1-AG	G0D140543-10D	10	8290/SOLID		10.120	g
01MY10A5D2	19	SB0501B	Solvent Blank C-14				1.000	
01MY10A5D2	20	ST0501B	CS3 10DXN111				1.000	
01MY10A5D2	21	CP0501B	DB-225 CPSM 3732-06				1.000	
01MY10A5D2	22	SB0501C	Solvent Blank C-14				1.000	
MY10A5D2	23	LX295-1-AD	G0D160435-1	10	8290/SOLID	77	10.490	g
01MY10A5D2	24	LX299-1-AD	G0D160435-3	10	8290/SOLID		10.020	g
01MY10A5D2	25	LX3AC-1-AD	G0D160435-5	10	8290/SOLID		10.610	g
01MY10A5D2	26	LX3AG-1-AD	G0D160435-9	10	8290/SOLID		10.100	g
01MY10A5D2	27	LX3AL-1-AD	G0D160435-13	10	8290/SOLID		10.420	g
01MY10A5D2	28	LX2G1-1-AD	G0D150589-9	10	8290/SOLID	75	10.240	g
01MY10A5D2	29	LX2JT-1-AD	G0D150589-36	10	8290/SOLID		10.000	g
01MY10A5D2	30	LX3AT-1-AC	G0D160435-19 (20X)	10	8290/SOLID	77	10.460	g
01MY10A5D2	31	LX0LQ-1-AC	G0D140526-1 (40X)	10	8290/SOLID		10.560	g
01MY10A5D2	32	LX0LQ-1-AD	G0D140526-1S (40X)	10	8290/SOLID		10.250	g
01MY10A5D2	33	LX0LQ-1-AE	G0D140526-1D (40X)	10	8290/SOLID		10.650	g
01MY10A5D2	34	SB0501D	Solvent Blank C-14				1.000	
01MY10A5D2	35	SB0501E	Solvent Blank C-14				1.000	
01MY10A5D2	36	ST0501C	CS3 10DXN111				1.000	
01MY10A5D2	37						1.000	
01MY10A5D2	38						1.000	
01MY10A5D2	39						1.000	
01MY10A5D2	40						1.000	
01MY10A5D2	41		AM,MEO 05-01-10				1.000	
01MY10A5D2	42						1.000	

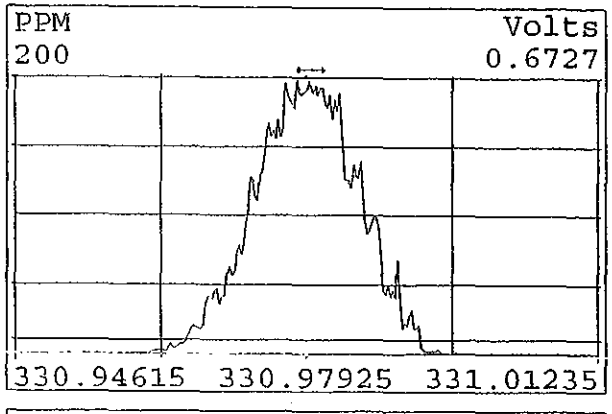


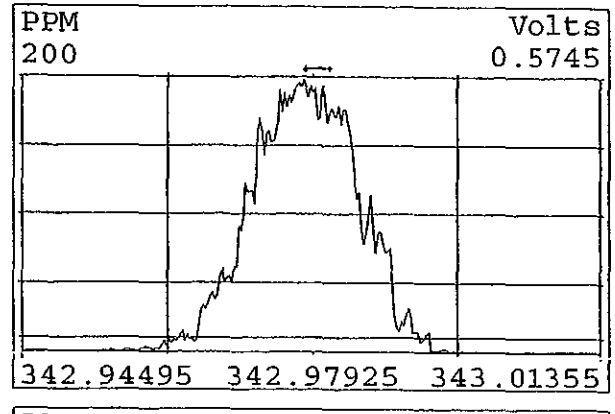
Peak Locate Examination: 1-MAY-2010:19:35 File:01MY10A5D2
Experiment:DB225RES Function:1 Reference:PFK

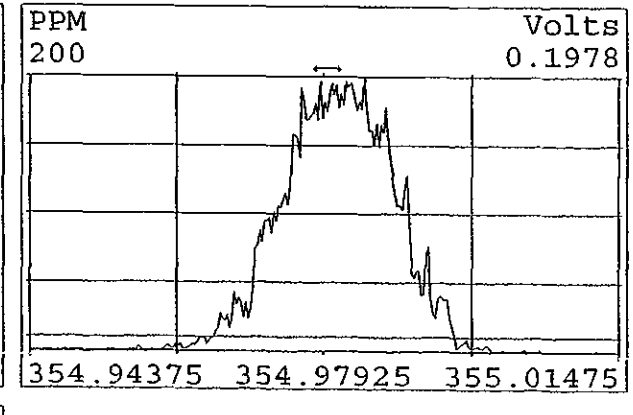


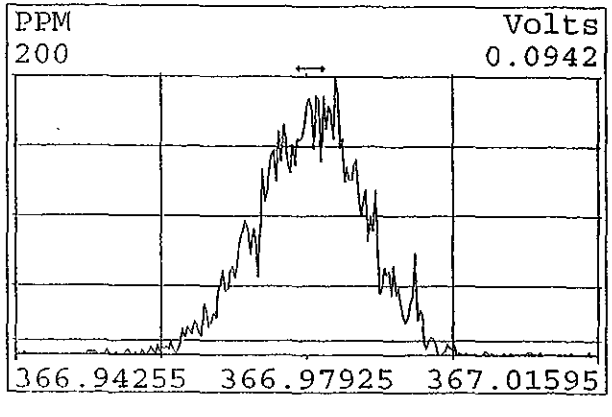


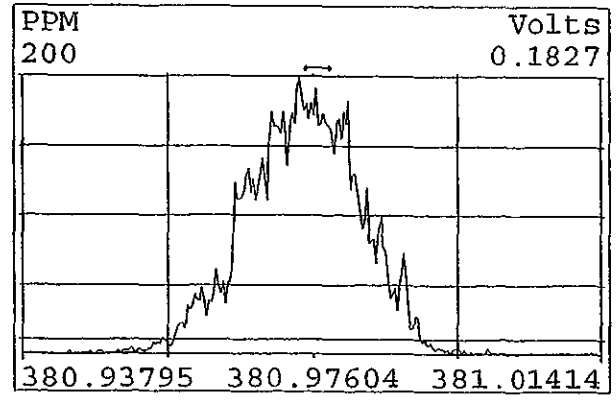




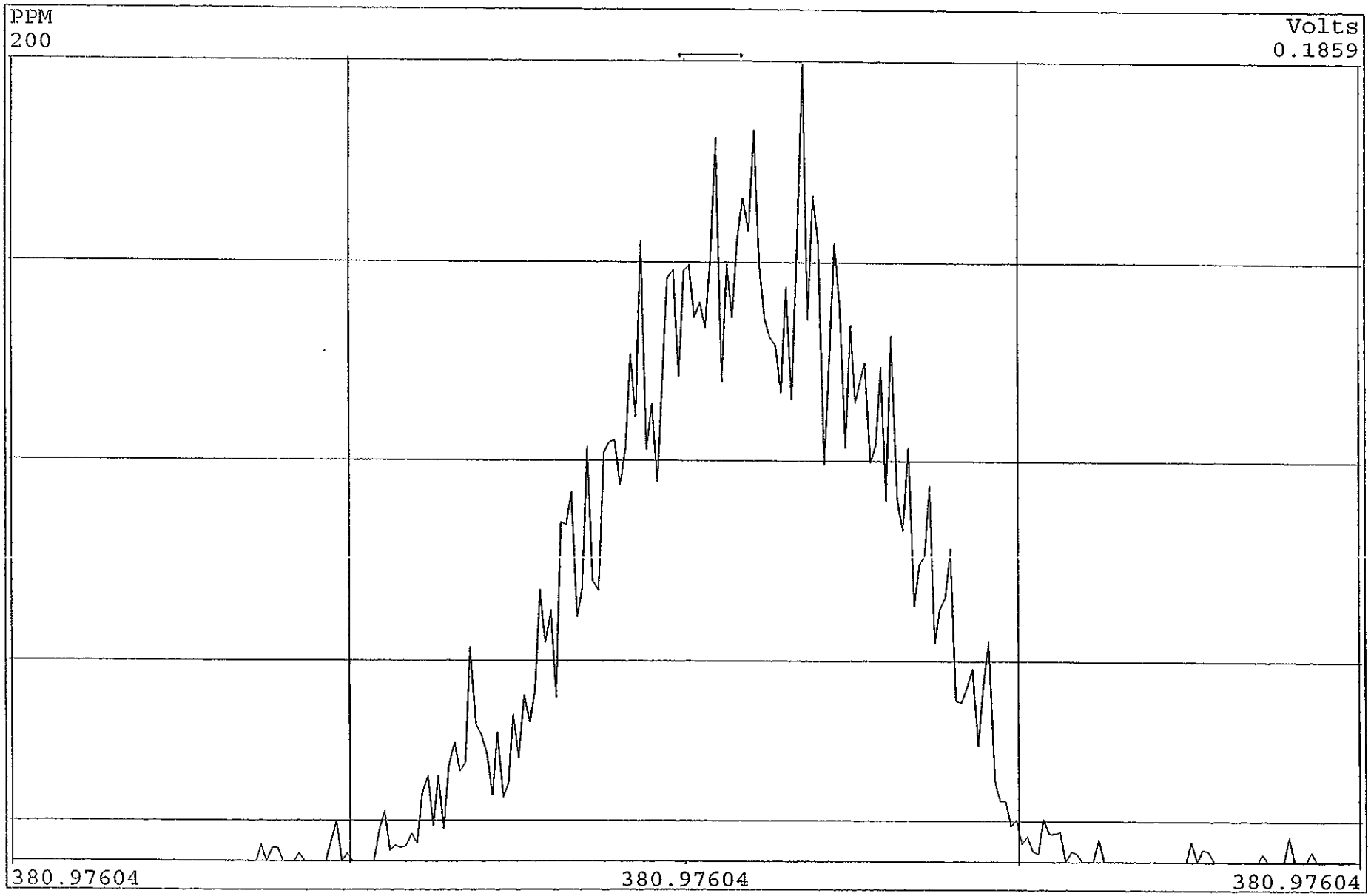




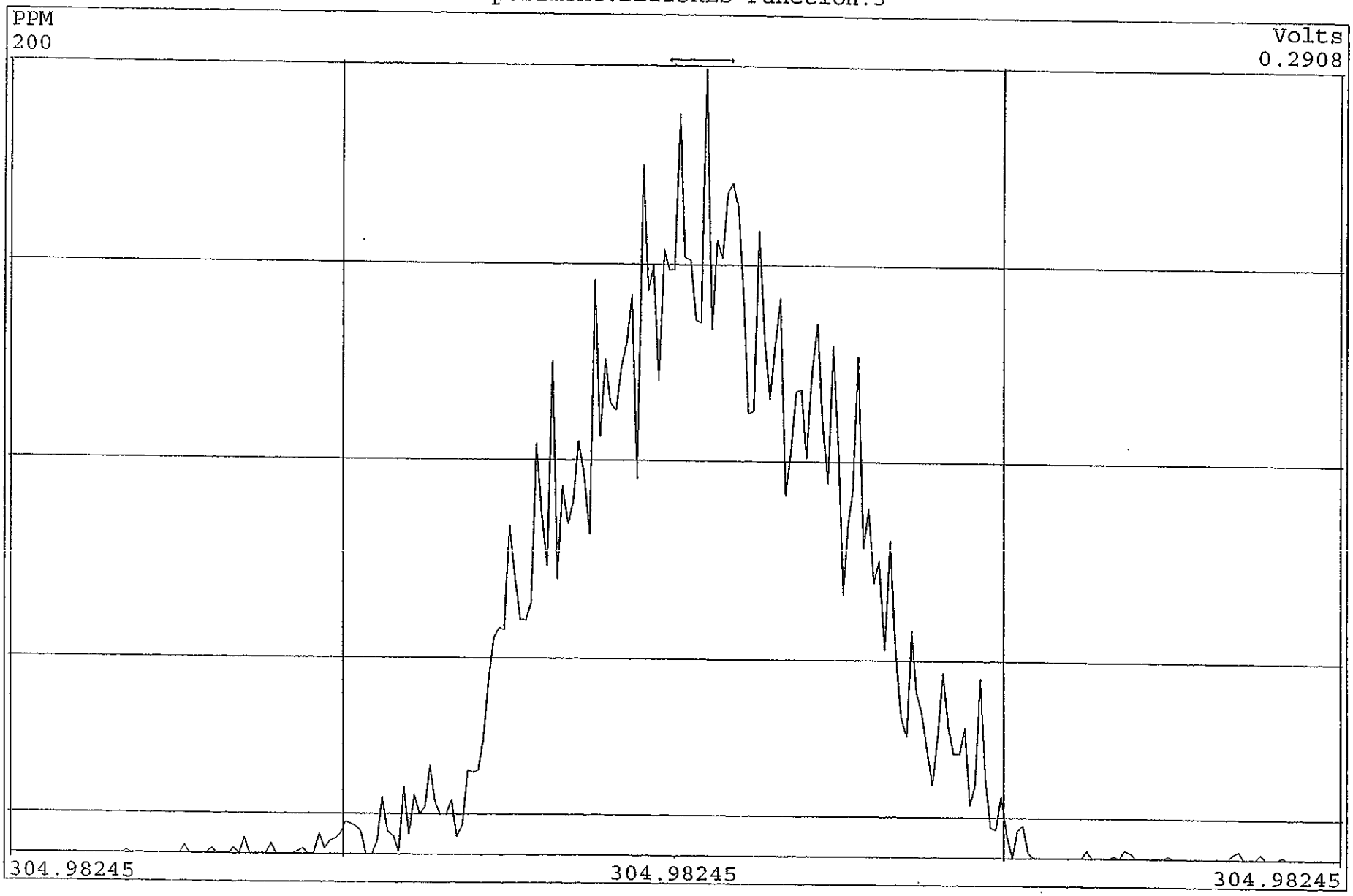




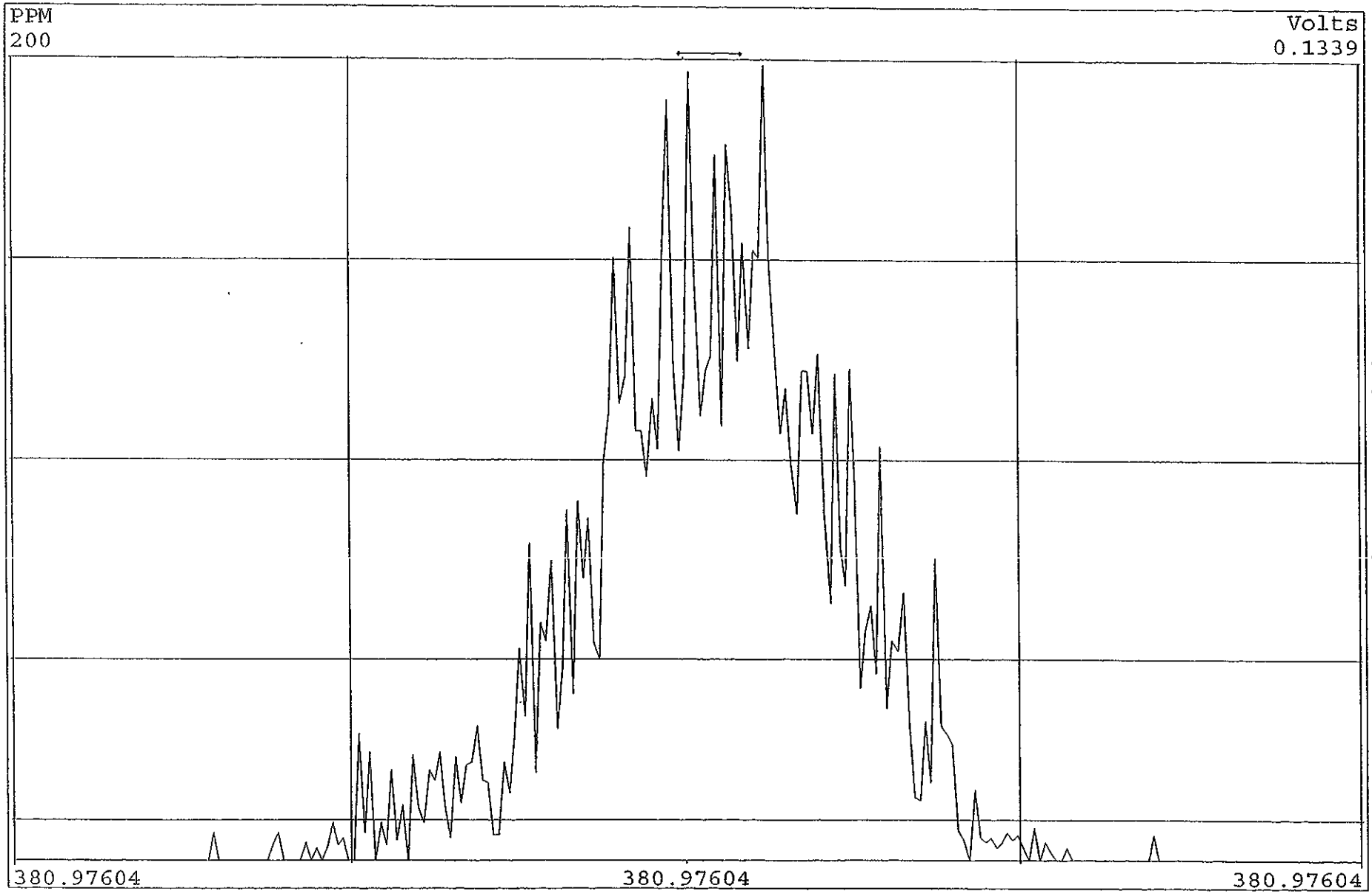
SIRLM Examination: 1-MAY-2010:23:09 File:01MY10A5D2
Experiment:DB225RES Function:2



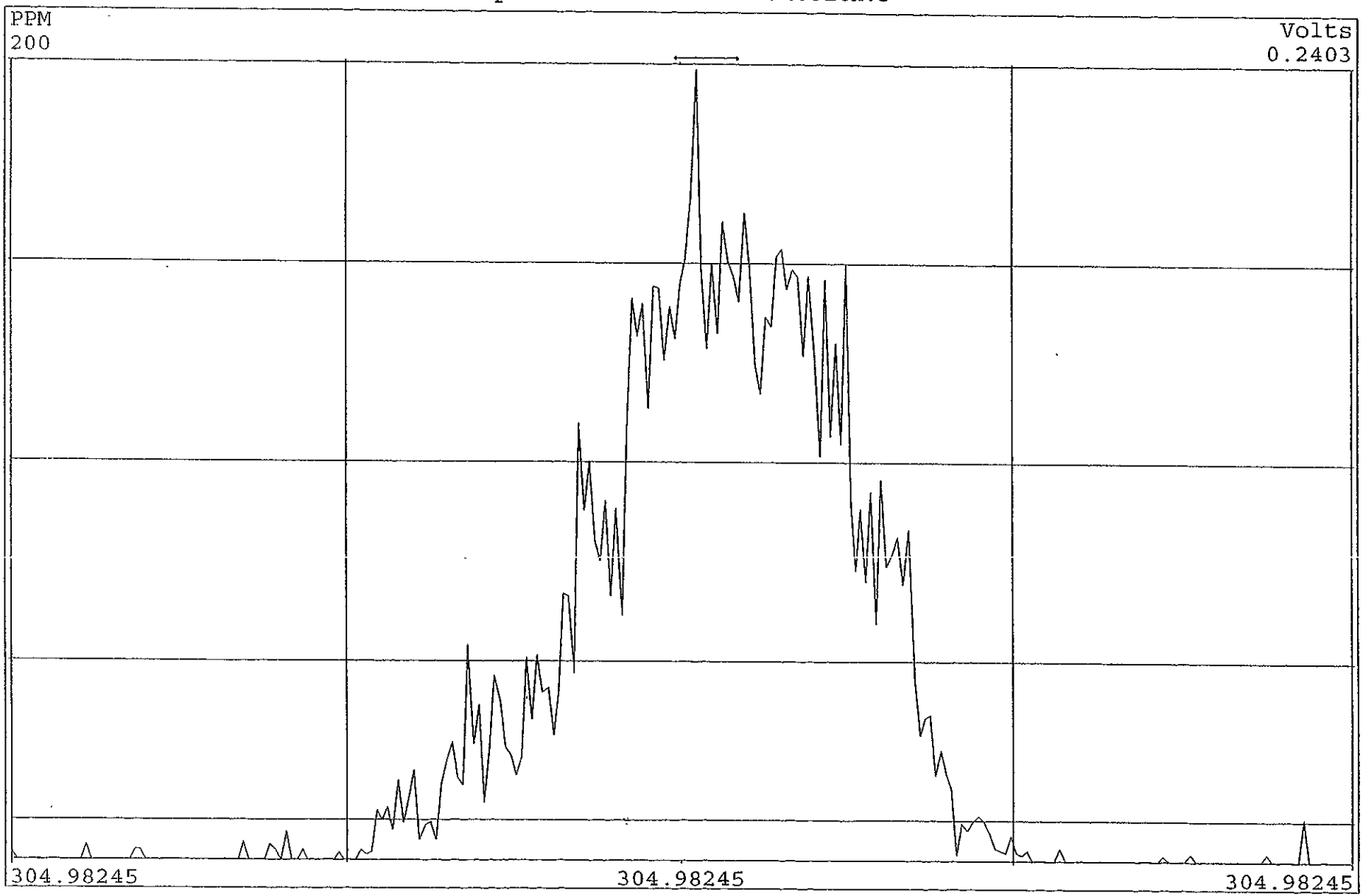
SIRLM Examination: 1-MAY-2010:23:11 File:01MY10A5D2
Experiment:DB225RES Function:3



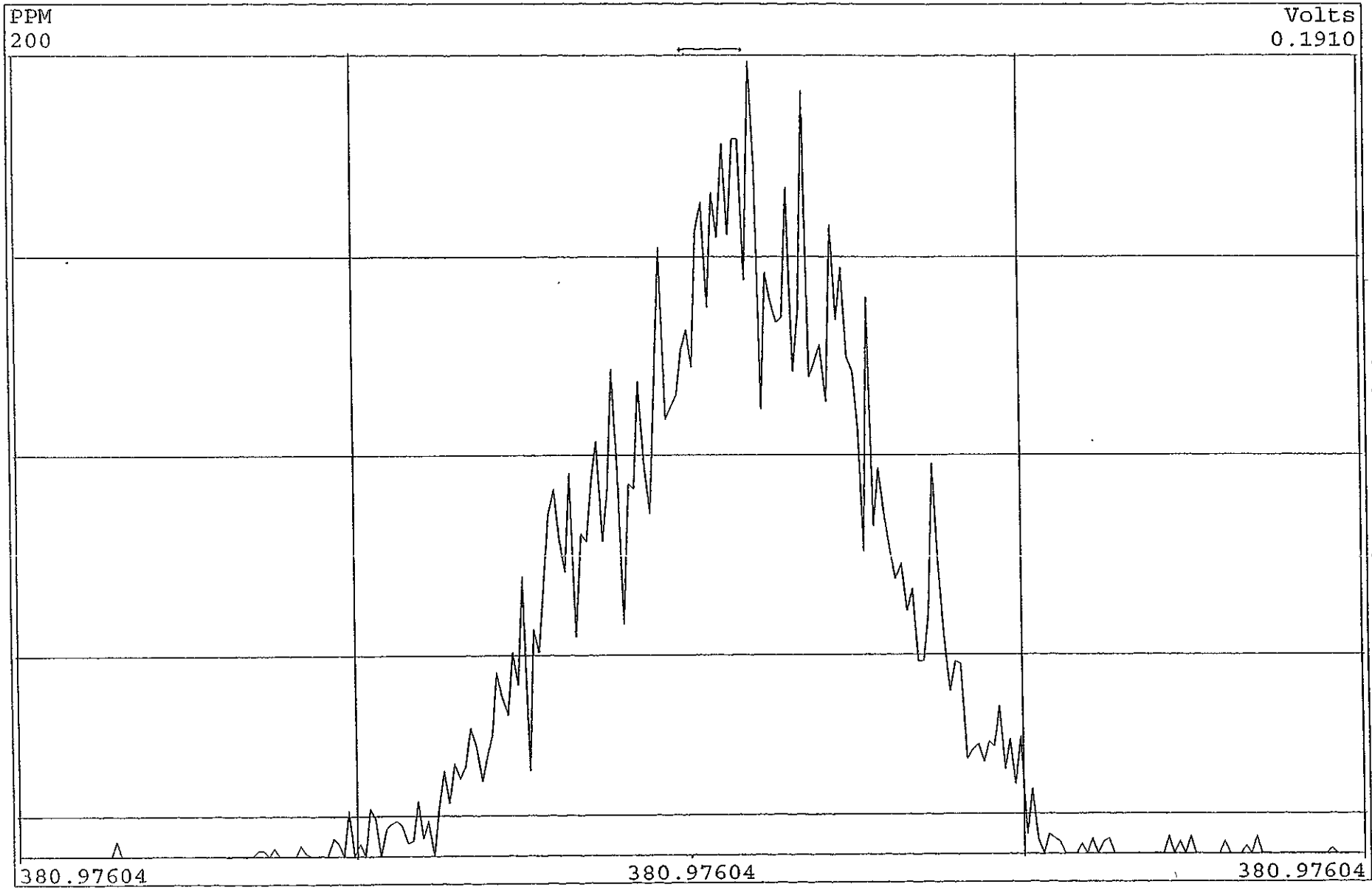
SIRLM Examination: 2-MAY-2010:07:48 File:01MY10A5D2
Experiment:DB225RES Function:2



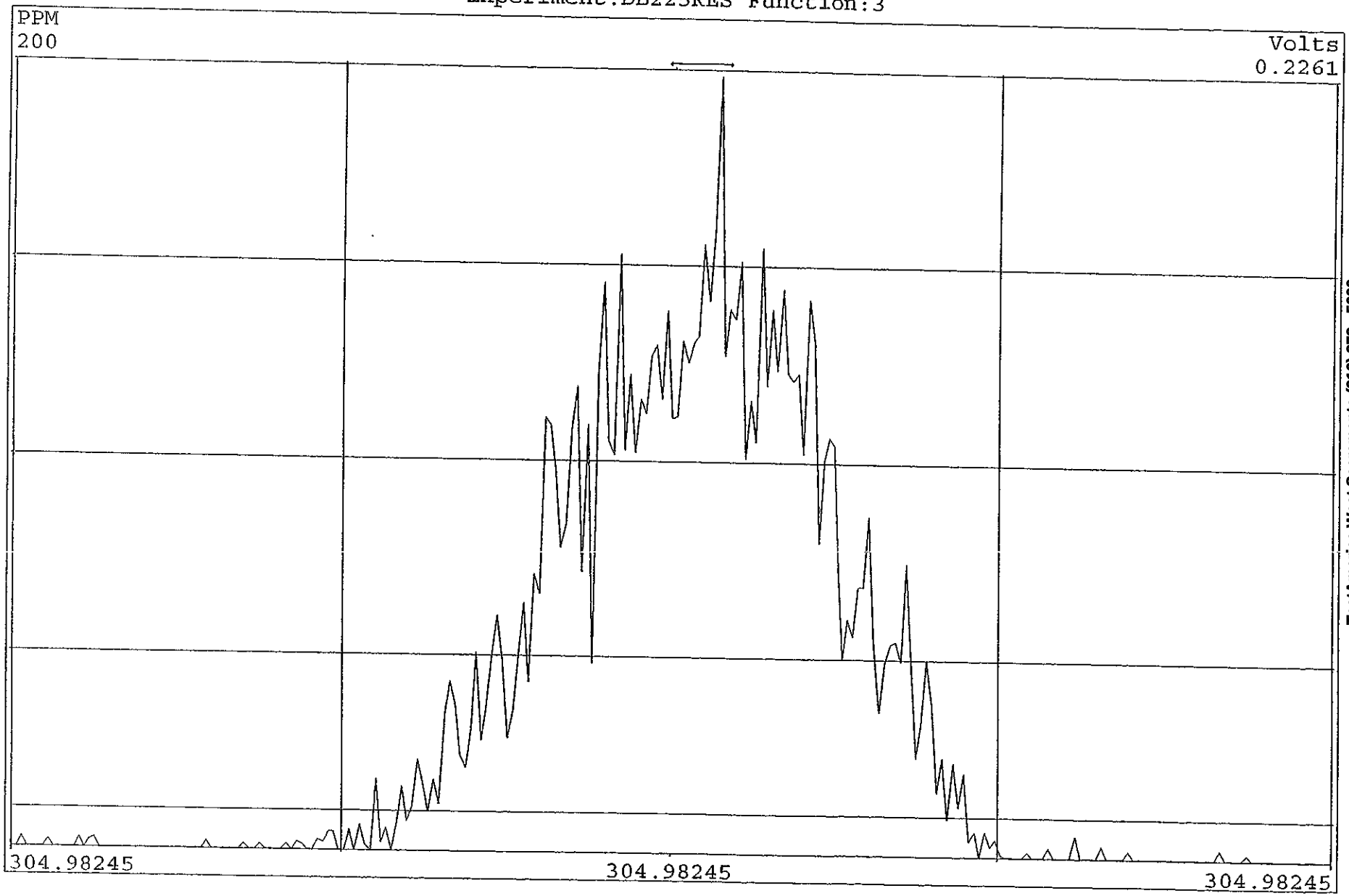
SIRLM Examination: 2-MAY-2010:07:50 File:01MY10A5D2
Experiment:DB225RES Function:3



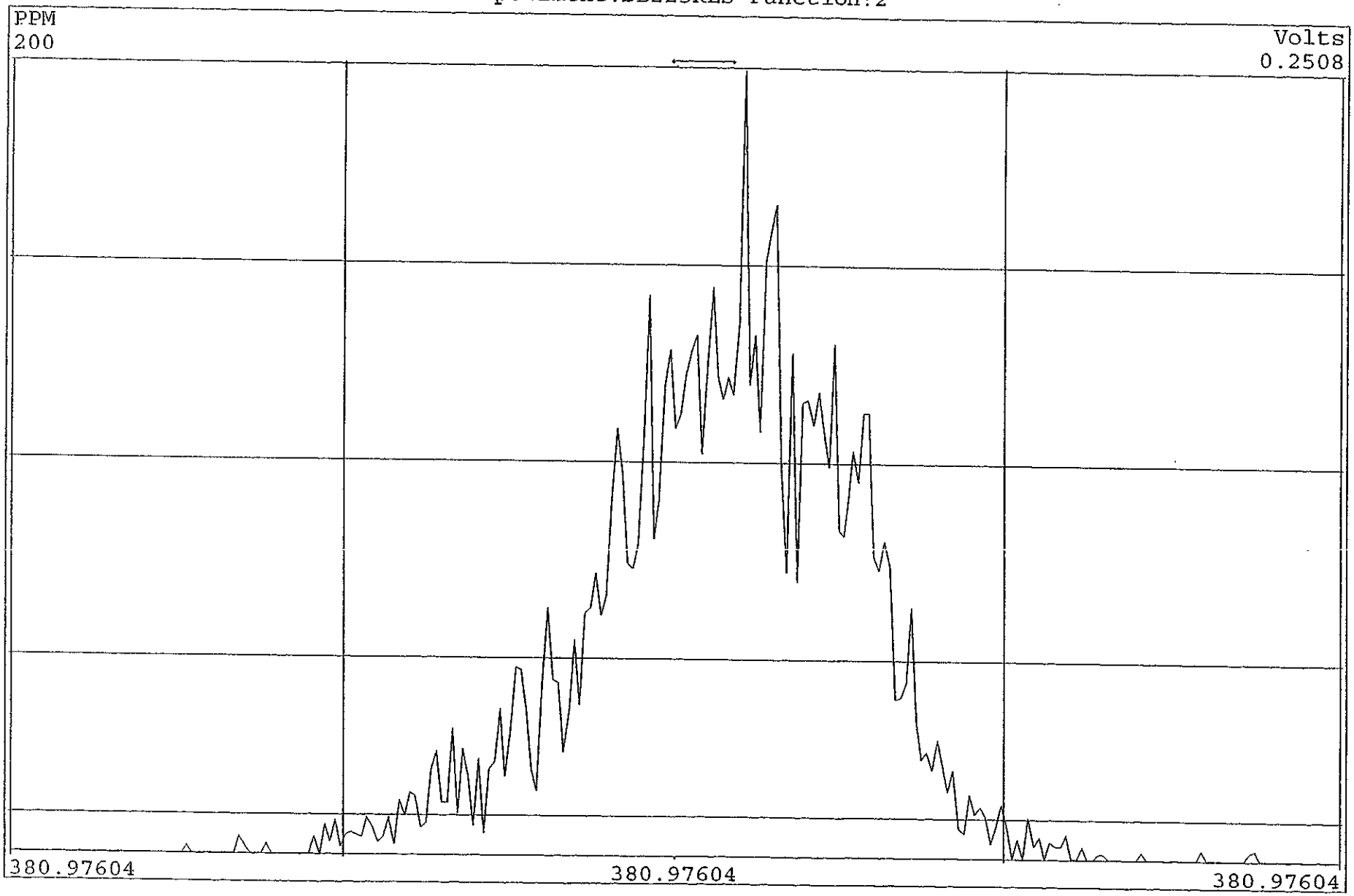
SIRLM Examination: 2-MAY-2010:11:31 File:01MY10A5D2
Experiment:DB225RES Function:2



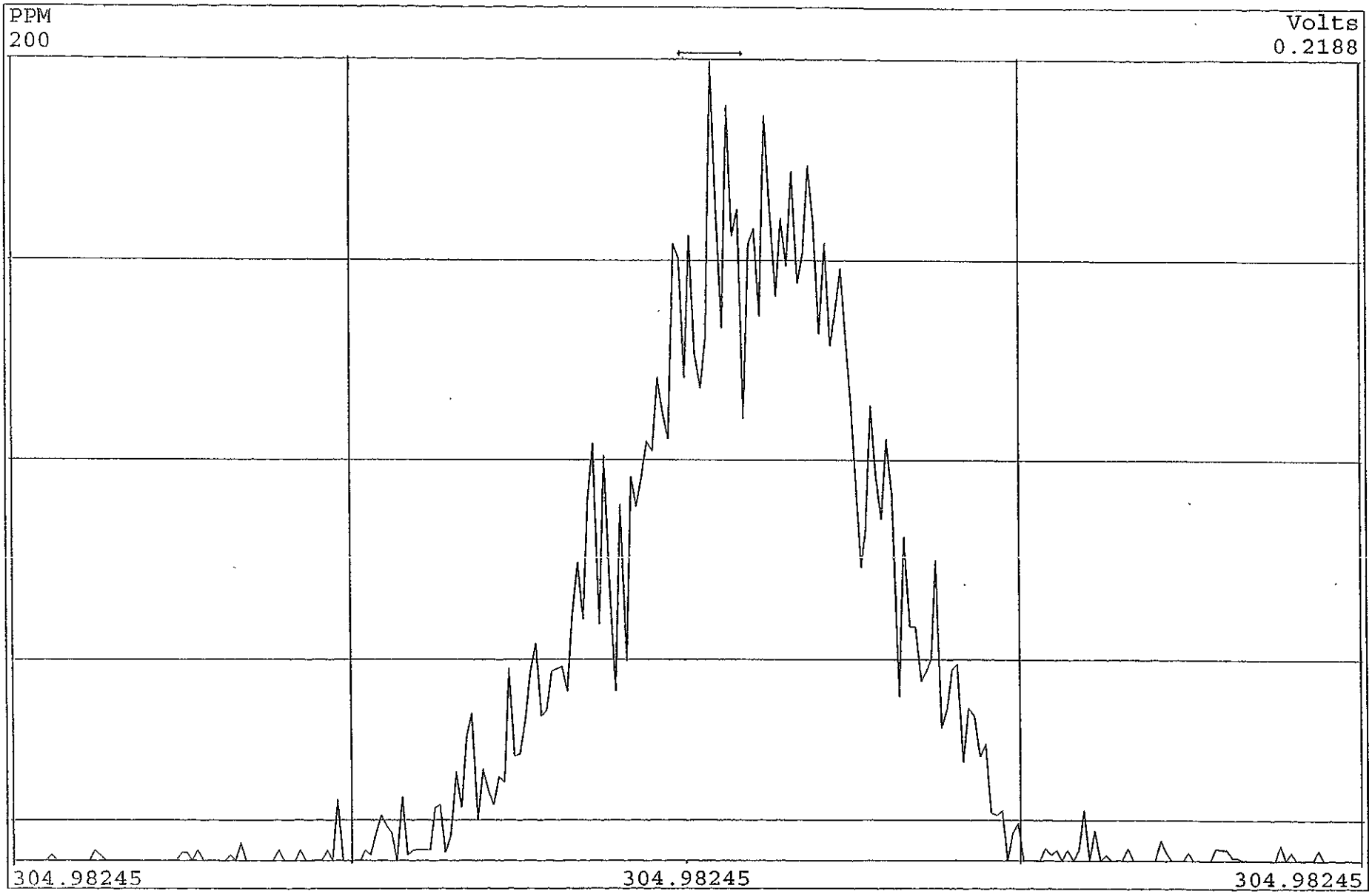
SIRLM Examination: 2-MAY-2010:11:33 File:01MY10A5D2
Experiment:DB225RES Function:3



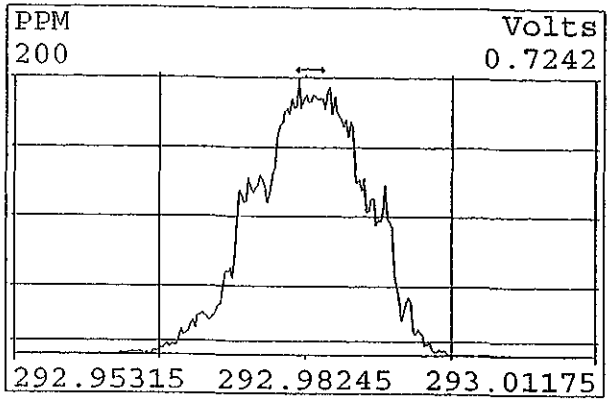
SIRLM Examination: 2-MAY-2010:17:05 File:01MY10A5D2
Experiment:DB225RES Function:2

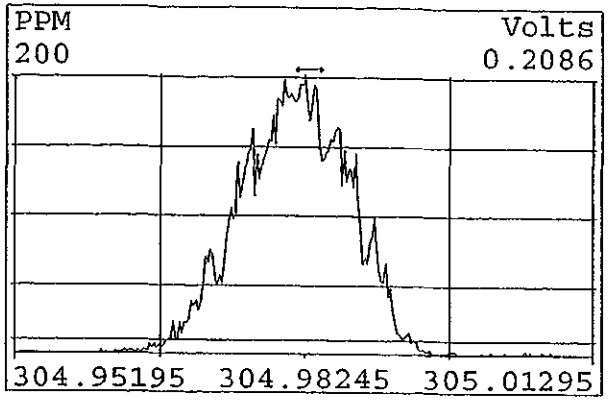


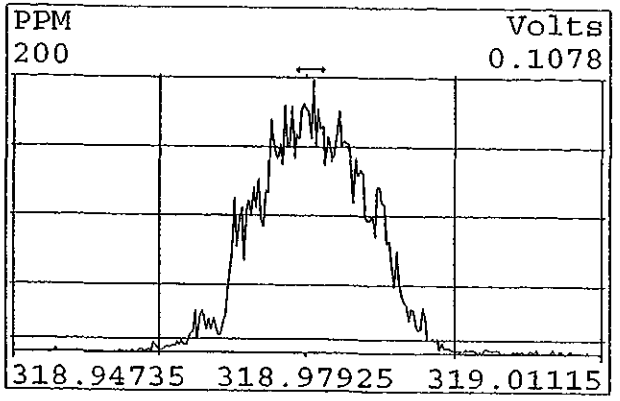
SIRLM Examination: 2-MAY-2010:17:07 File:01MY10A5D2
Experiment:DB225RES Function:3

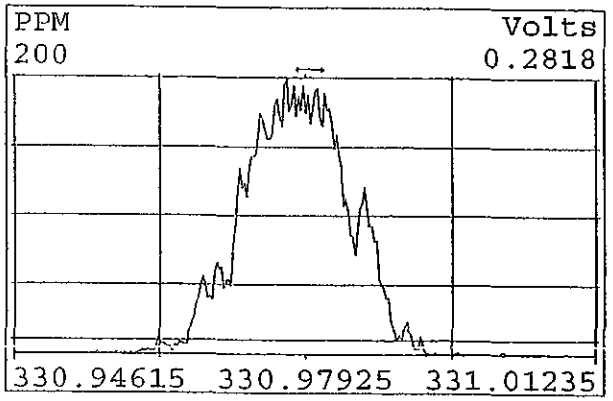


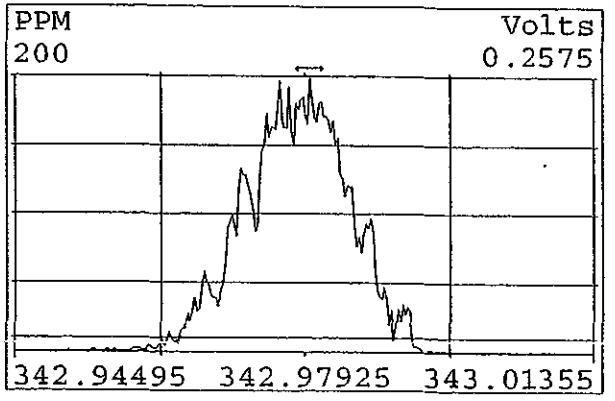
Peak Locate Examination: 2-MAY-2010:21:09 File:01MY10A5D2ENDRES
Experiment:DB225RES Function:1 Reference:PFK

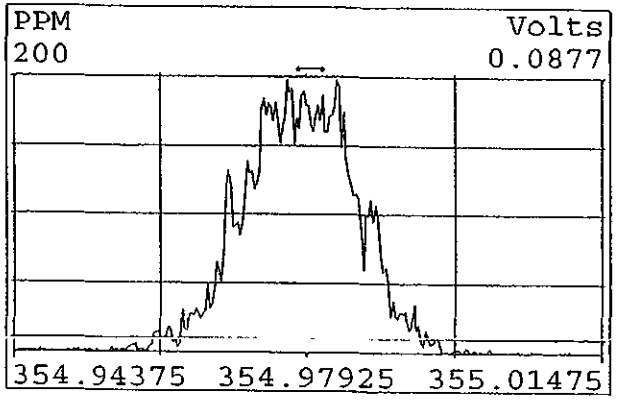


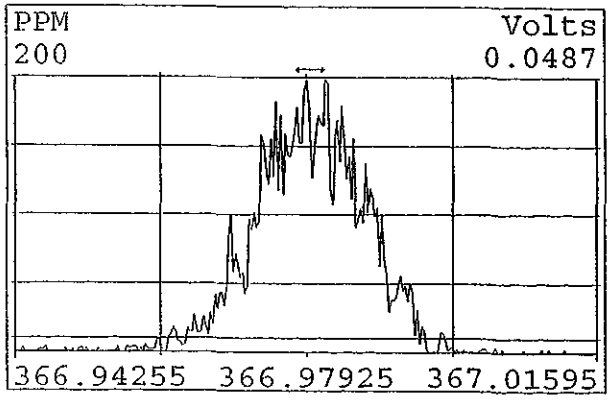


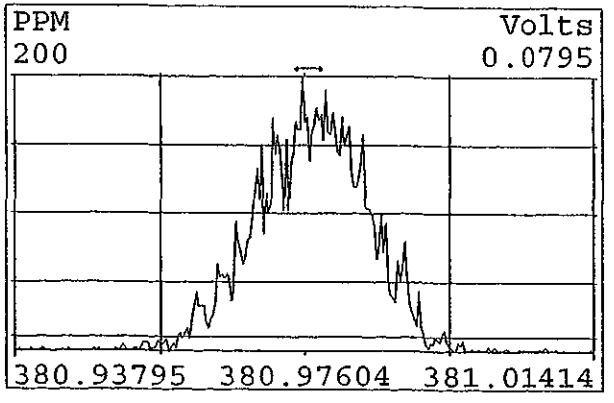




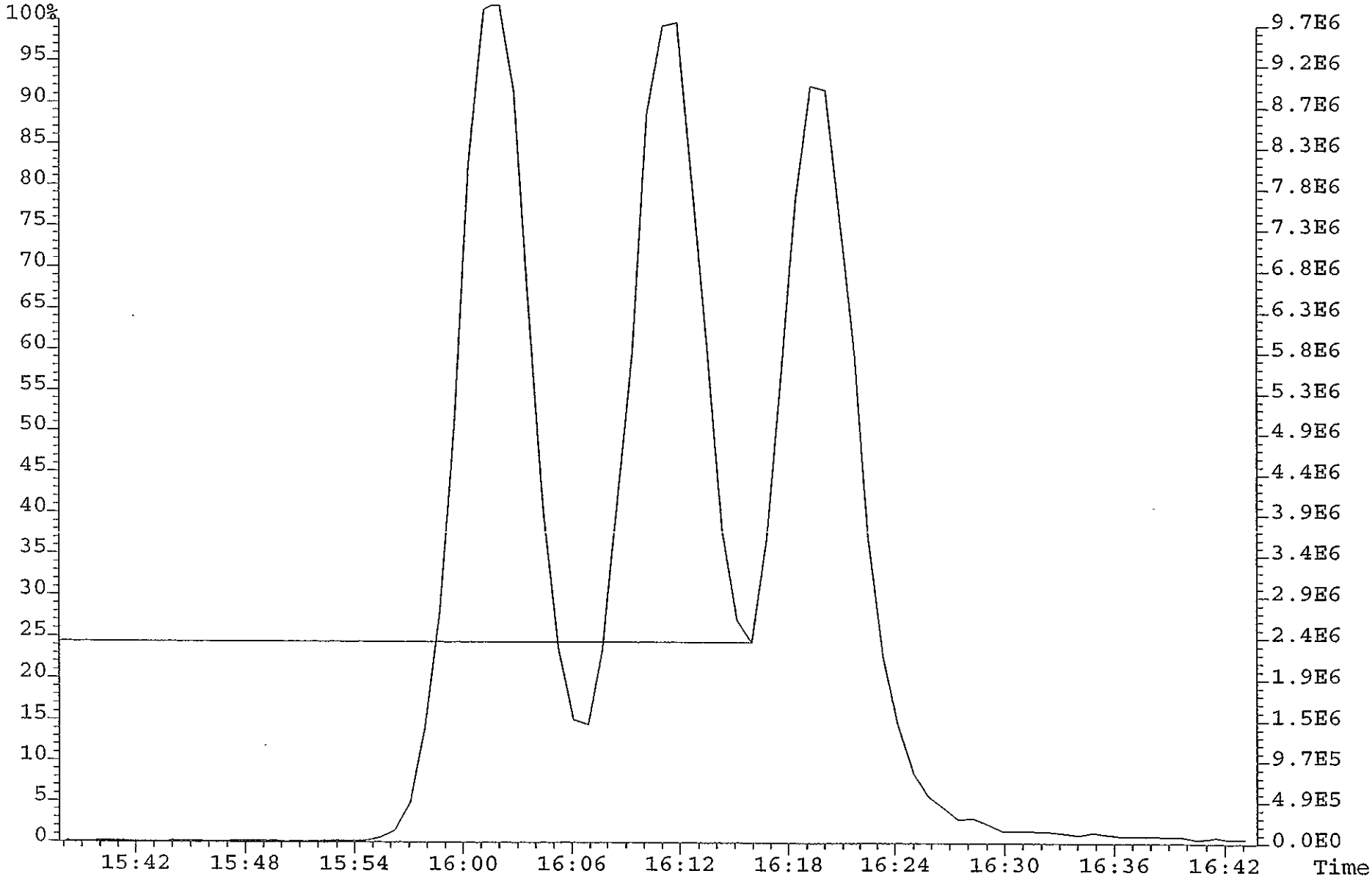








File:01MY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
305.8987 S:2 Exp:DB225RES
Sample Text:CP0501A :DB-225 CPSM 3732-06



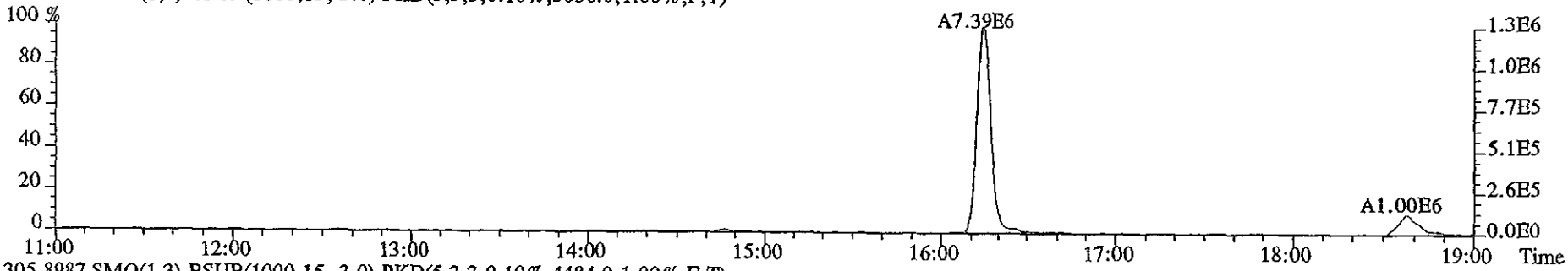
Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2

ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

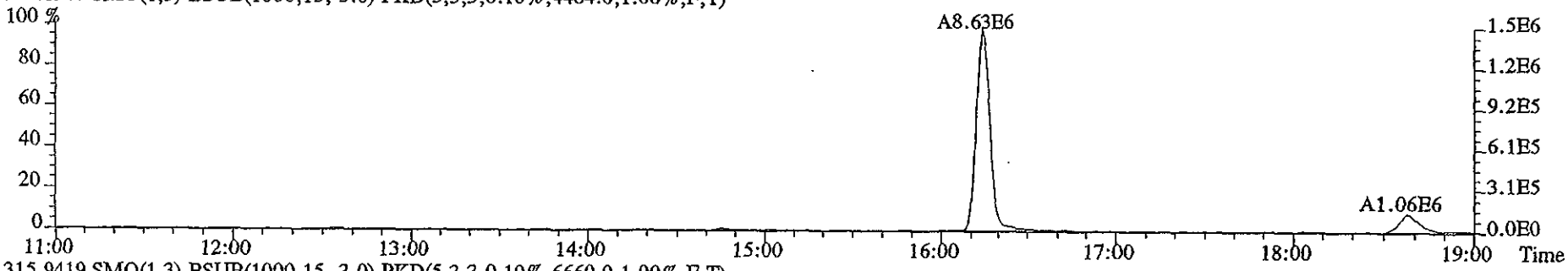
Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES

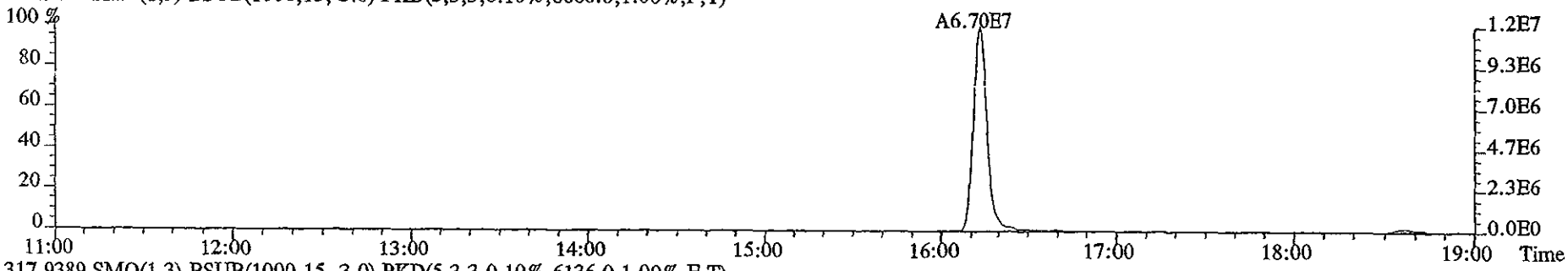
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056.0,1.00%,F,T)



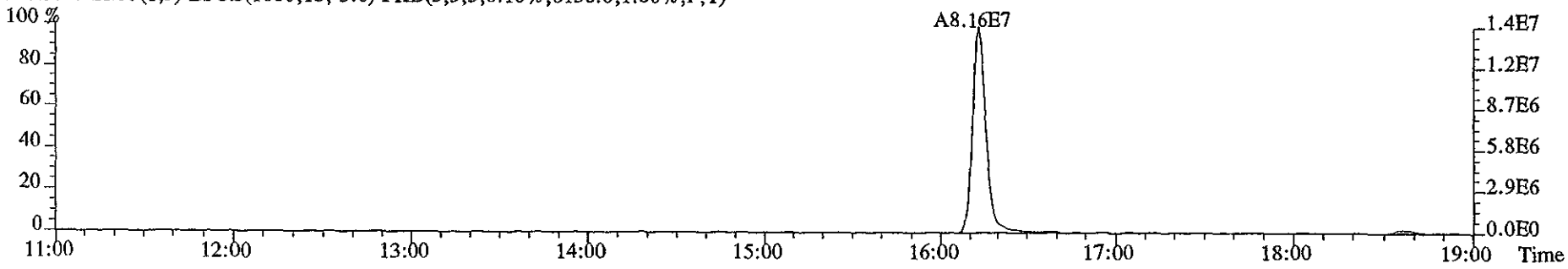
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4484.0,1.00%,F,T)



315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6660.0,1.00%,F,T)

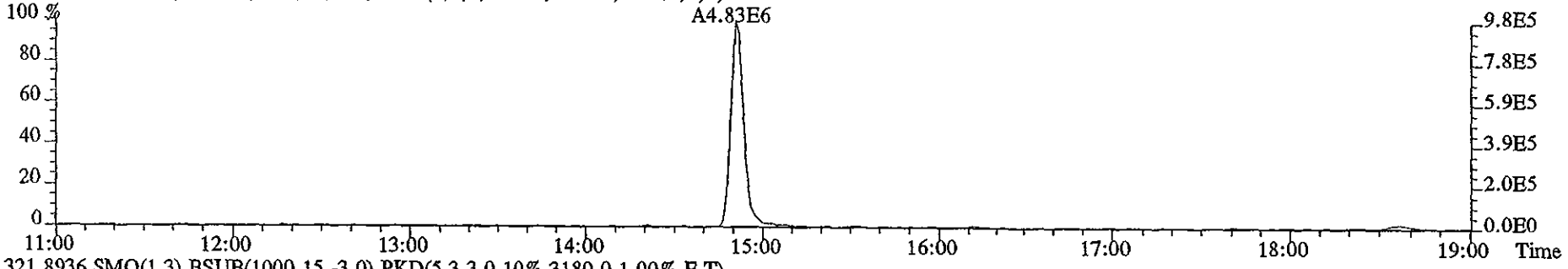


317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6136.0,1.00%,F,T)

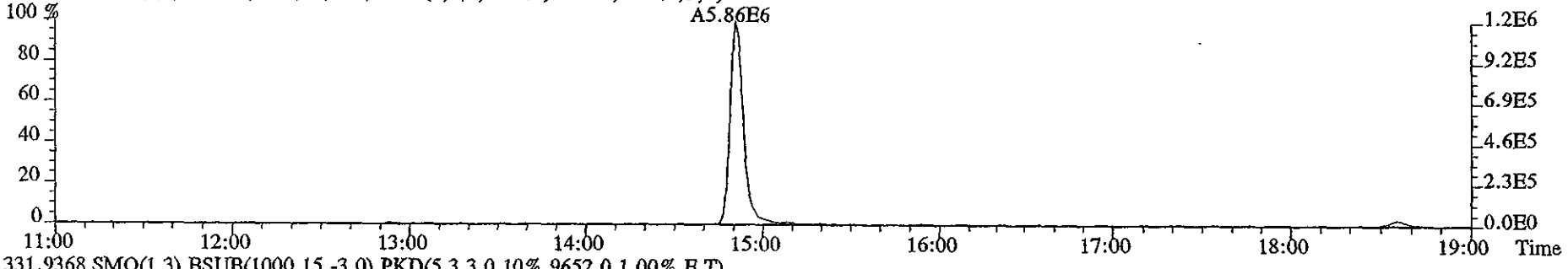


File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES

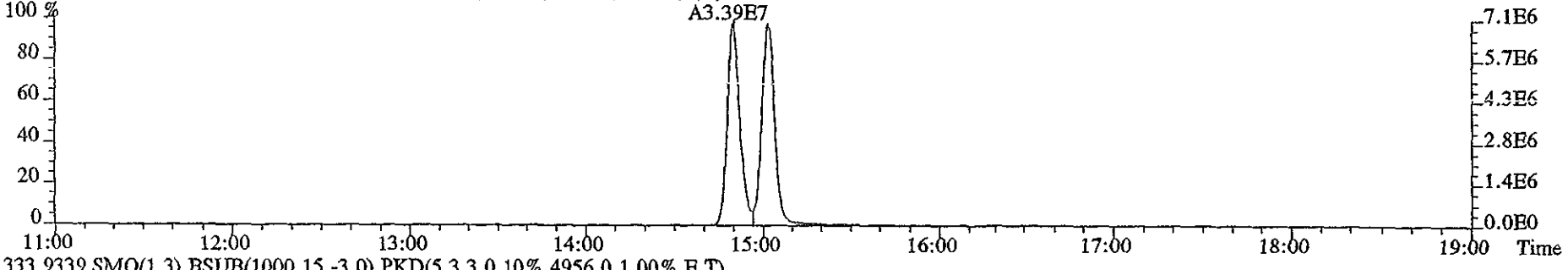
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2356.0,1.00%,F,T)



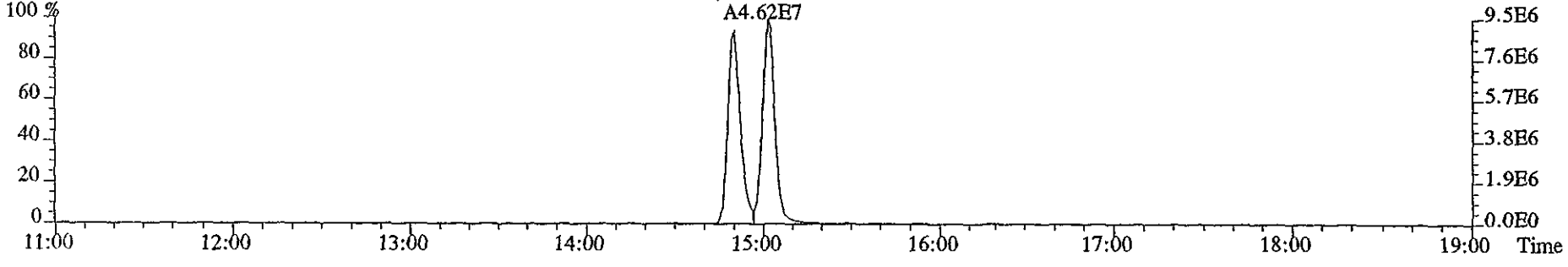
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3180.0,1.00%,F,T)



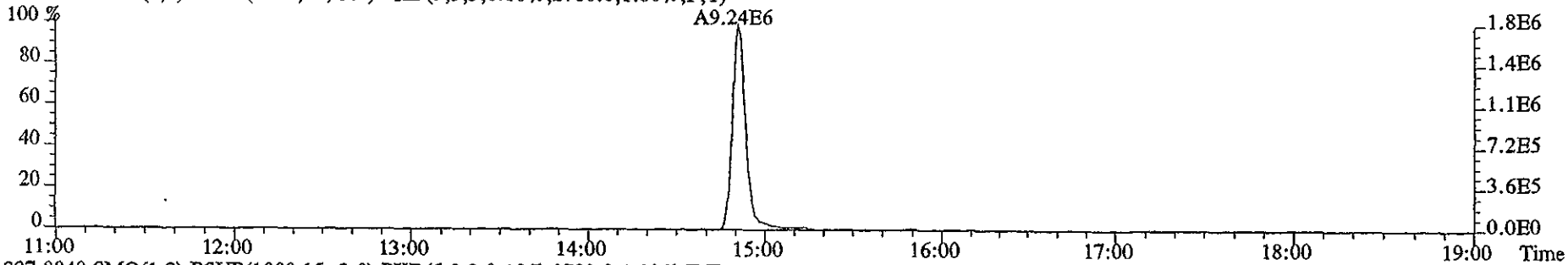
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9652.0,1.00%,F,T)



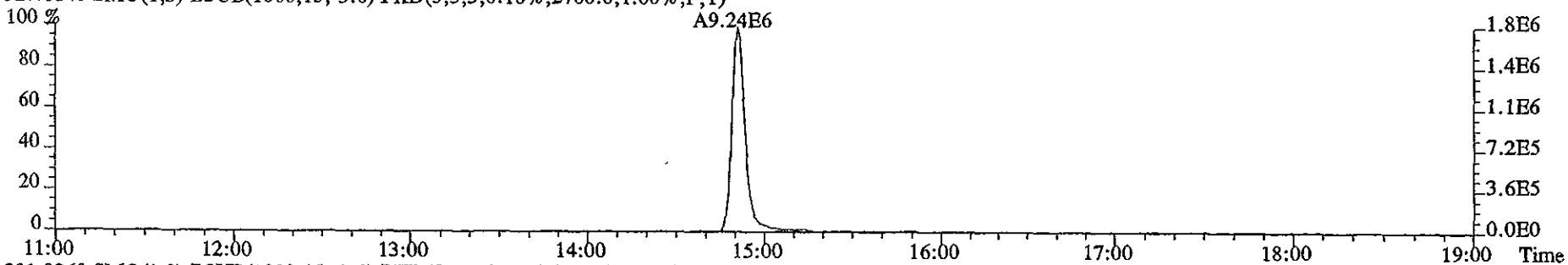
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



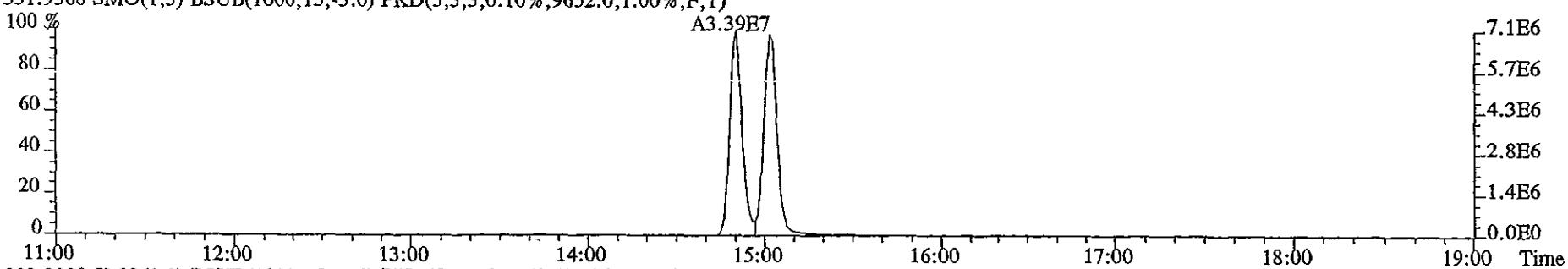
File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2700.0,1.00%,F,T)



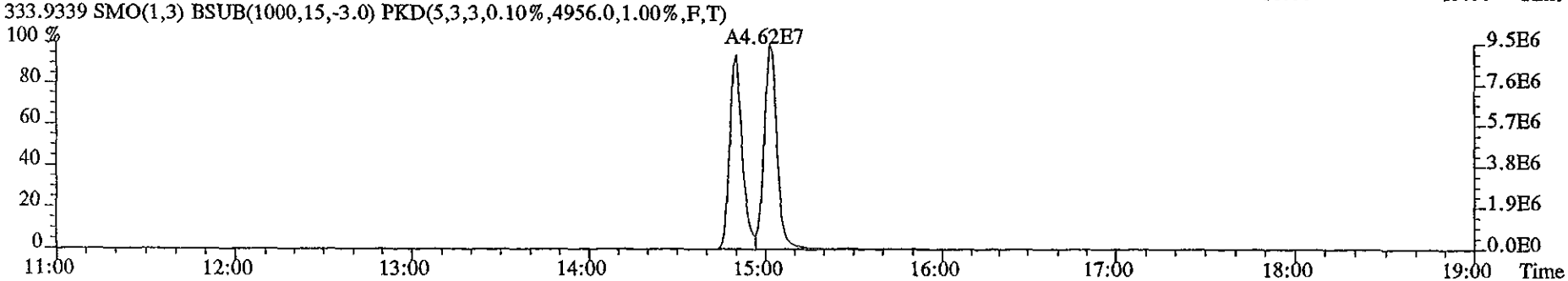
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2700.0,1.00%,F,T)



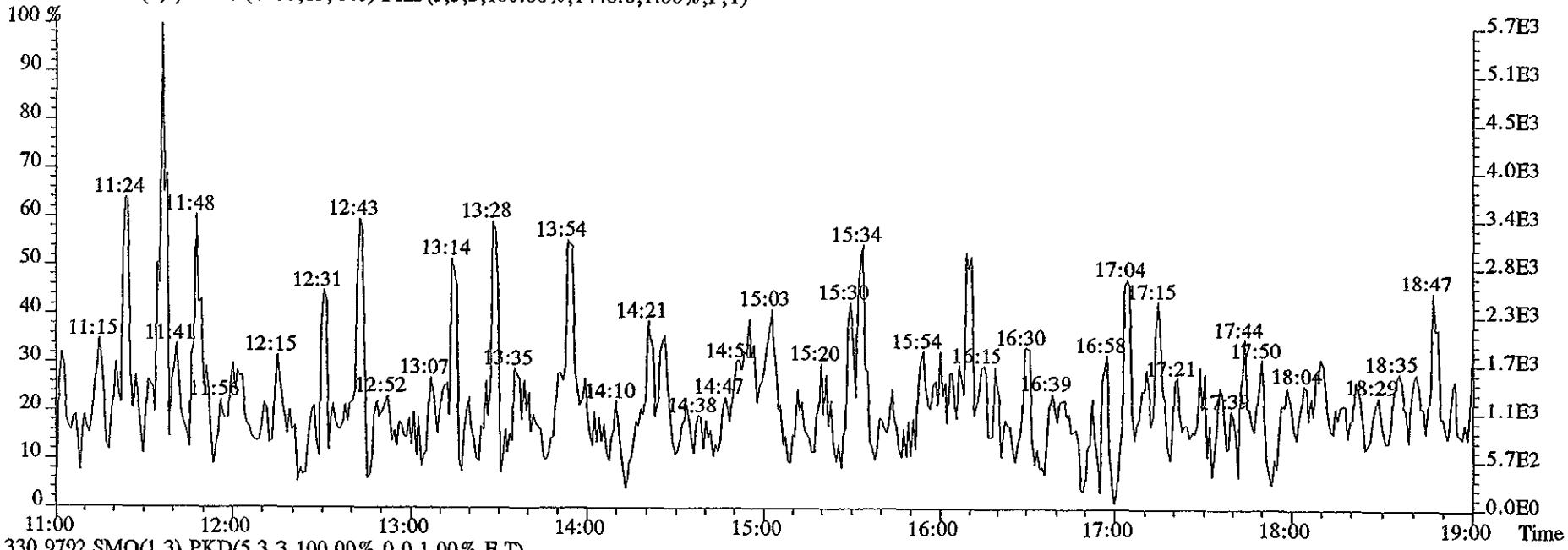
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9652.0,1.00%,F,T)



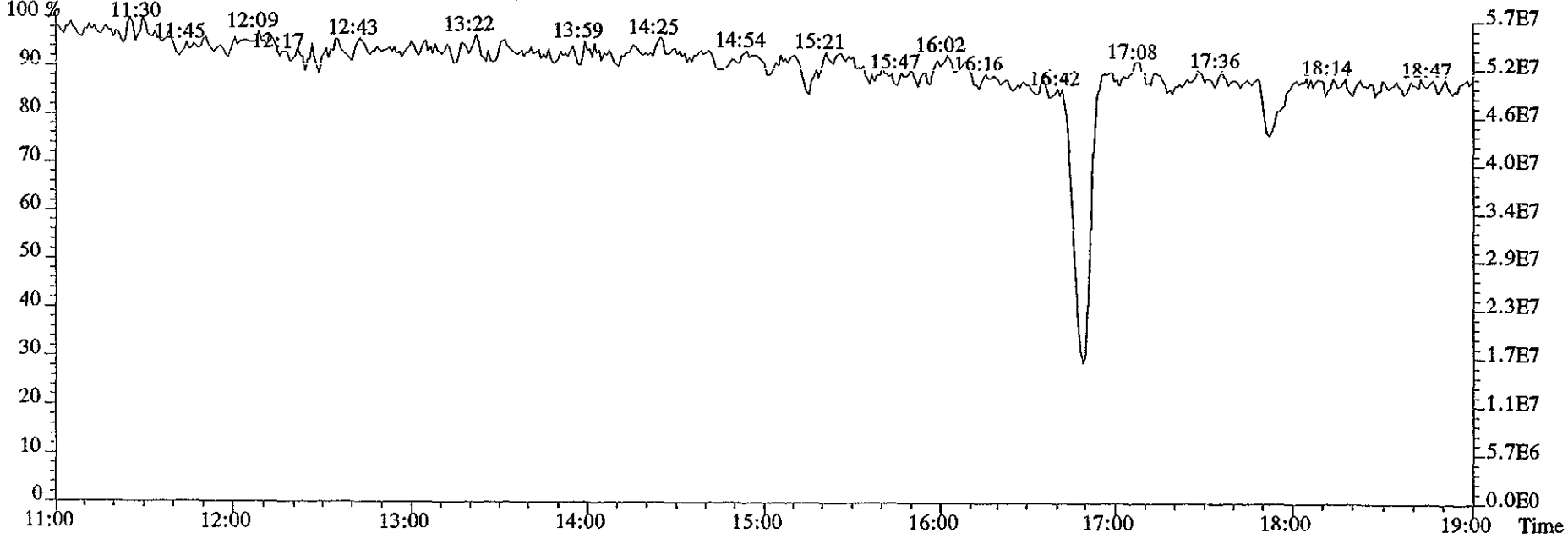
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1448.0,1.00%,F,T)

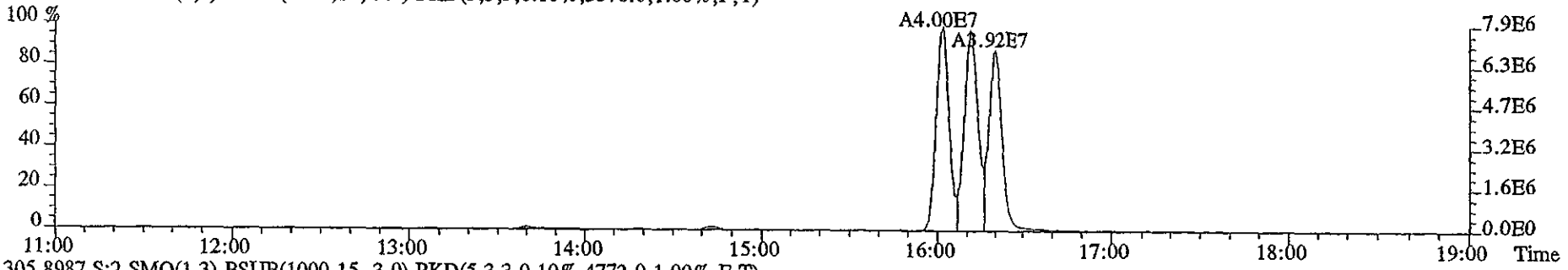


330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

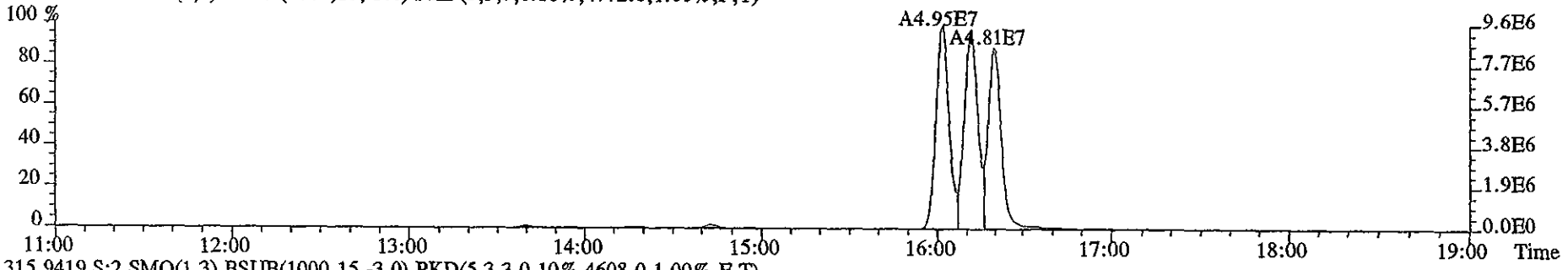


File:01MY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0501A :DB-225 CPSM 3732-06 Exp:DB225RES

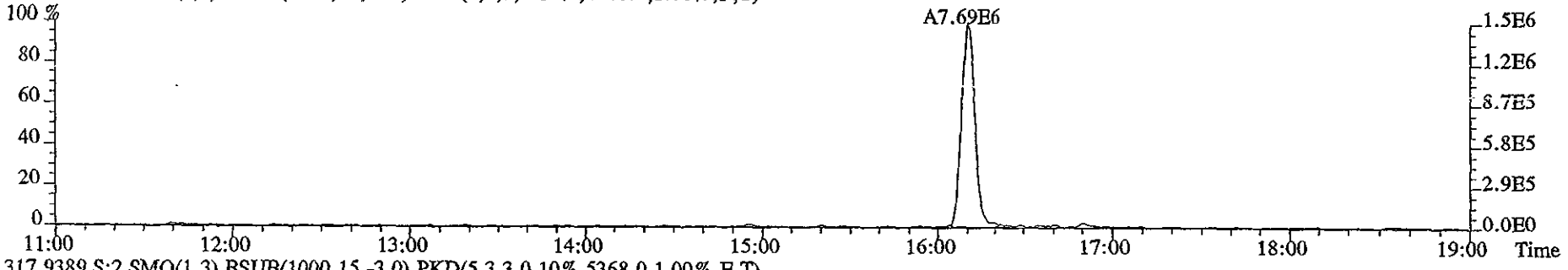
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)



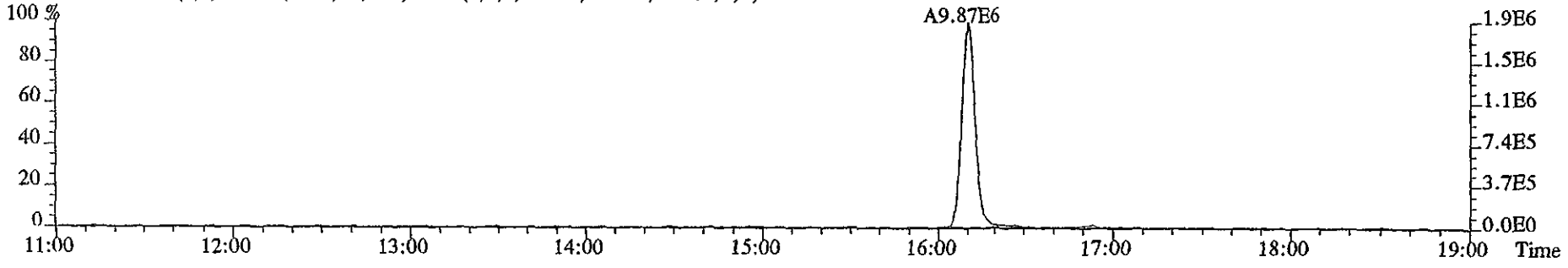
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4772.0,1.00%,F,T)



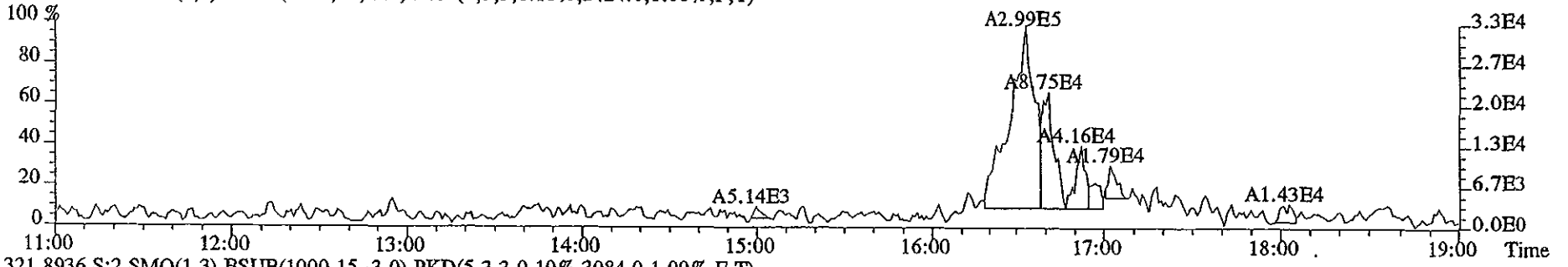
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4608.0,1.00%,F,T)



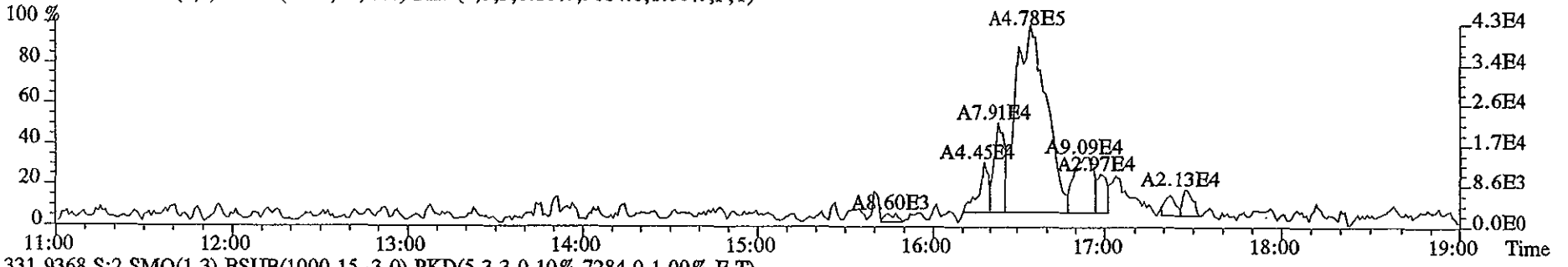
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5368.0,1.00%,F,T)



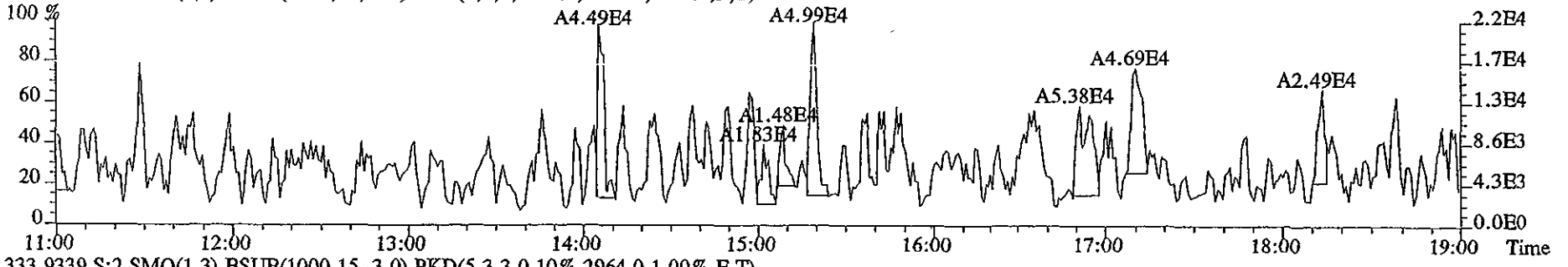
File:01MY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0501A :DB-225 CPSM 3732-06 Exp:DB225RES
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)



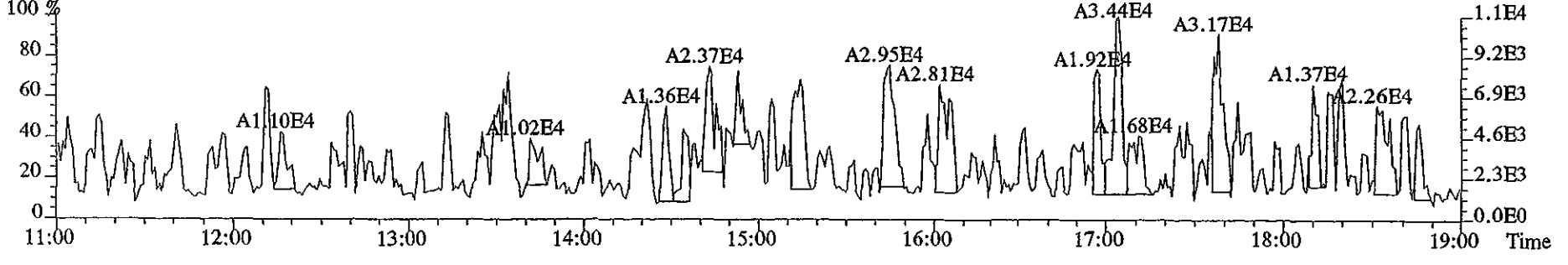
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084.0,1.00%,F,T)



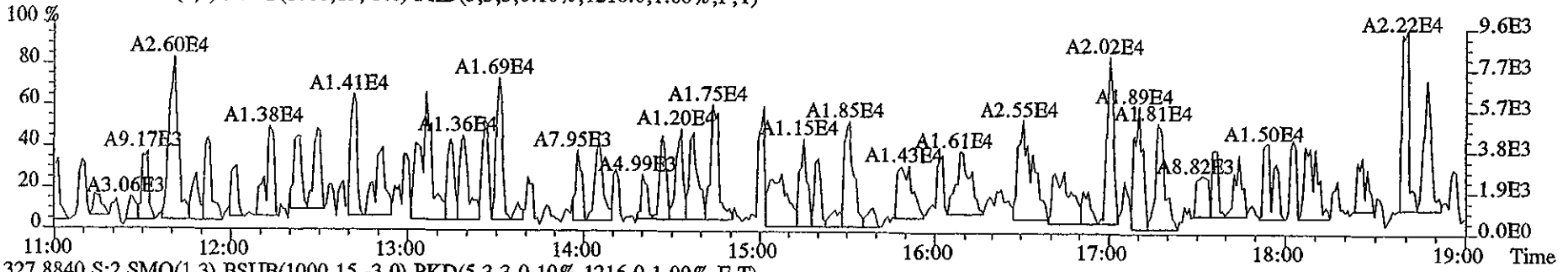
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7284.0,1.00%,F,T)



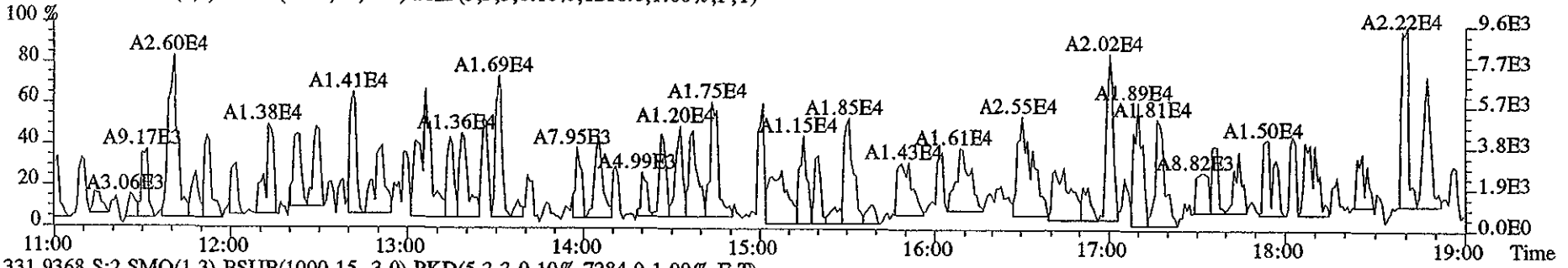
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2964.0,1.00%,F,T)



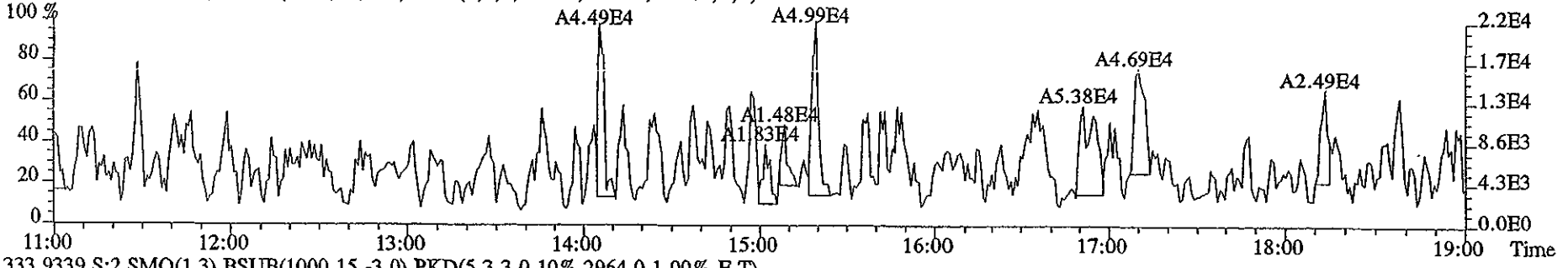
File:01MY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0501A :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



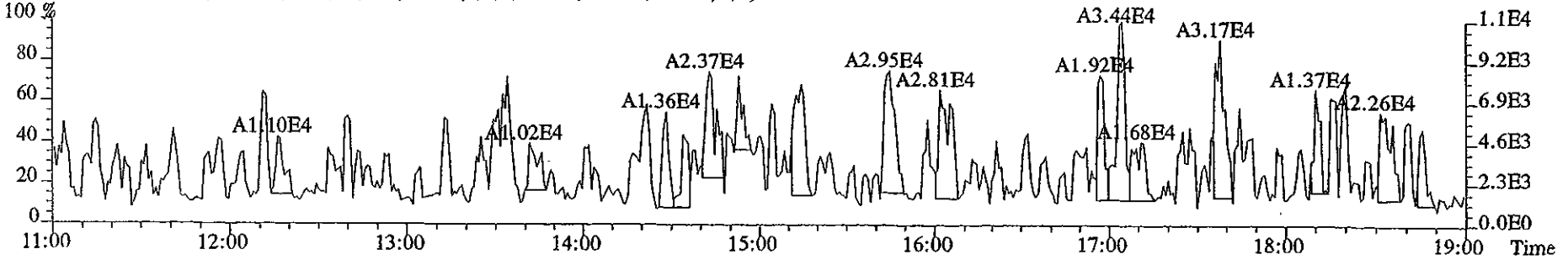
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



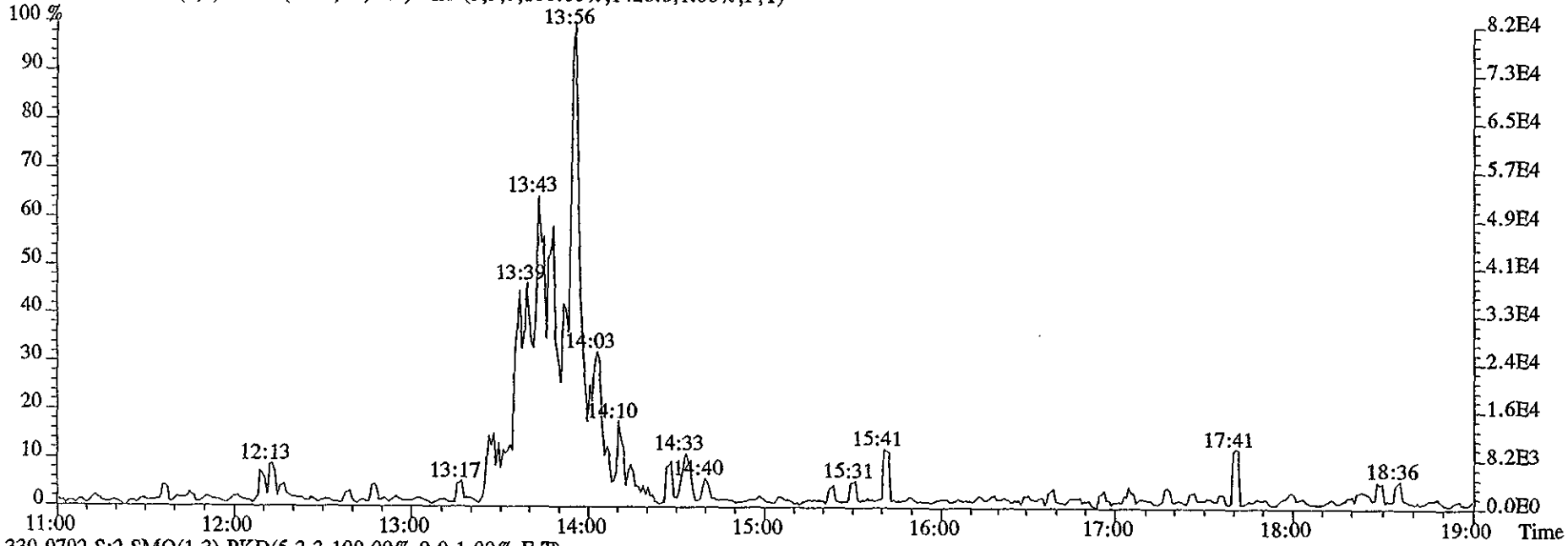
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7284.0,1.00%,F,T)



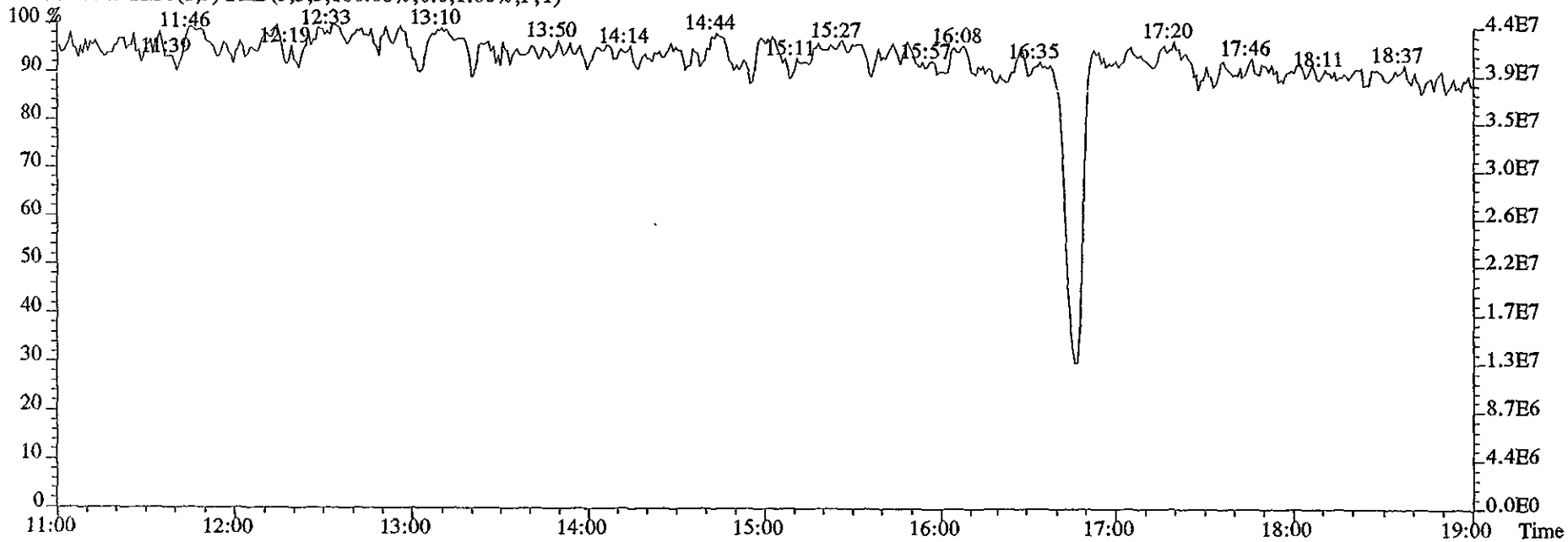
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2964.0,1.00%,F,T)



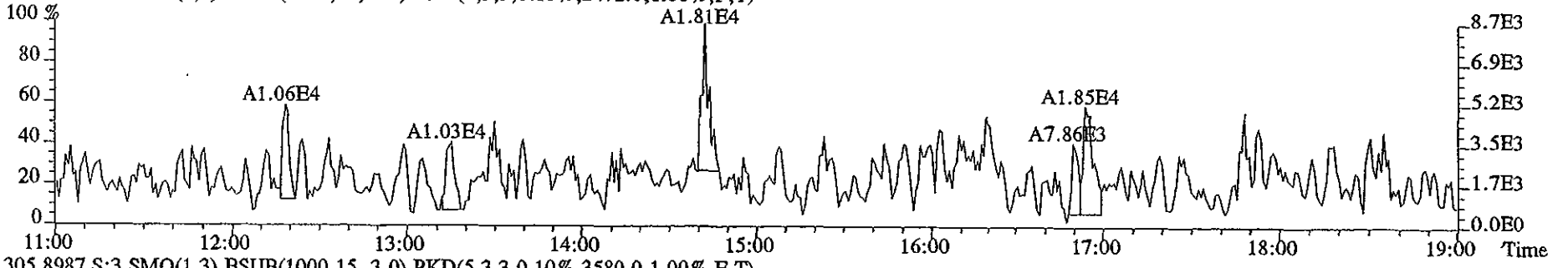
File:01MY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0501A :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1428.0,1.00%,F,T)



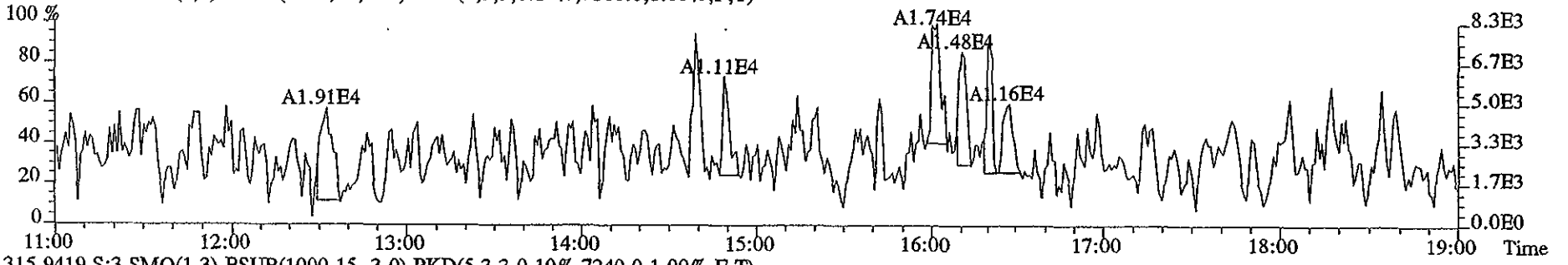
330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



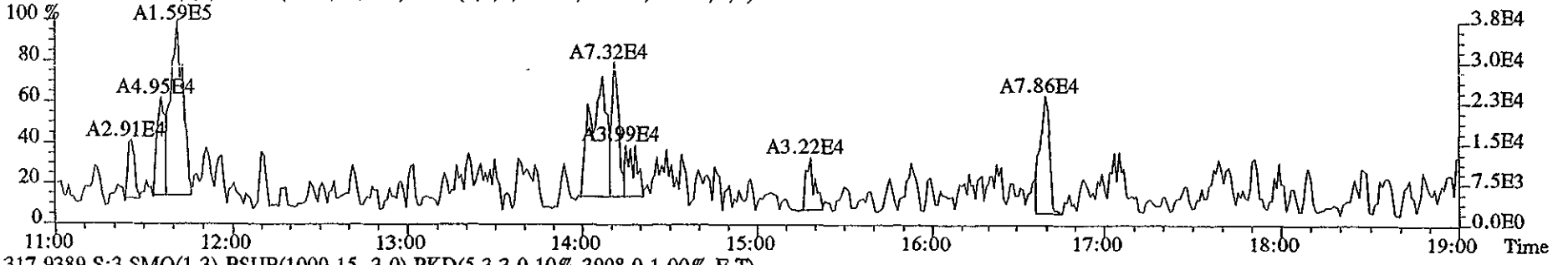
File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2472.0,1.00%,F,T)



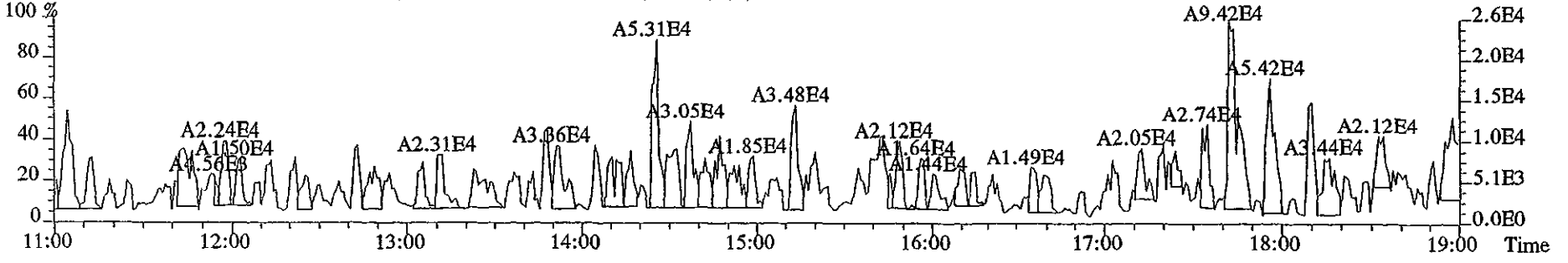
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3580.0,1.00%,F,T)



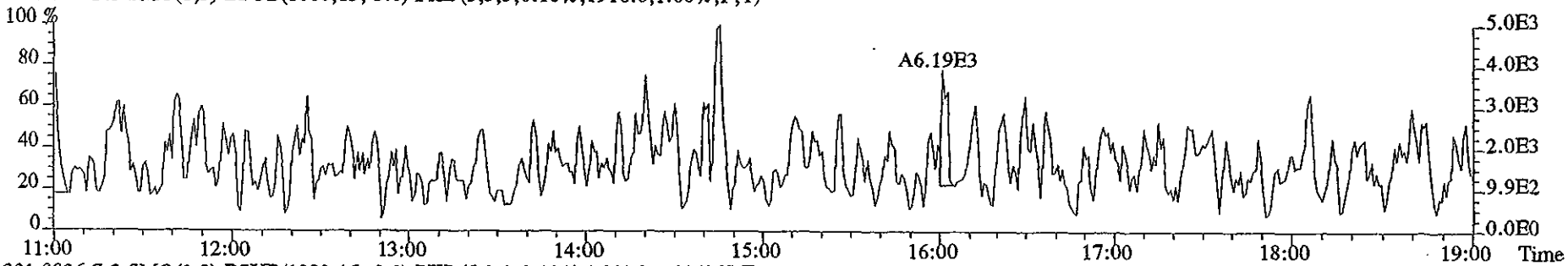
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7240.0,1.00%,F,T)

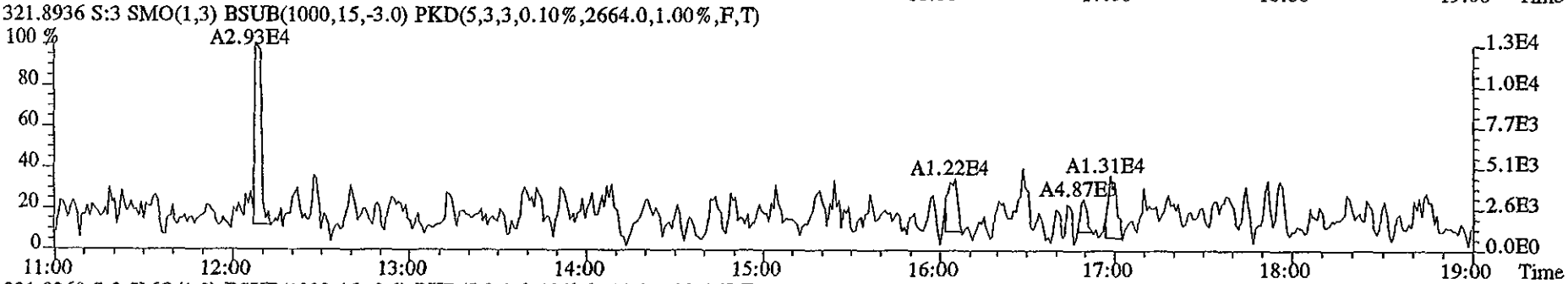


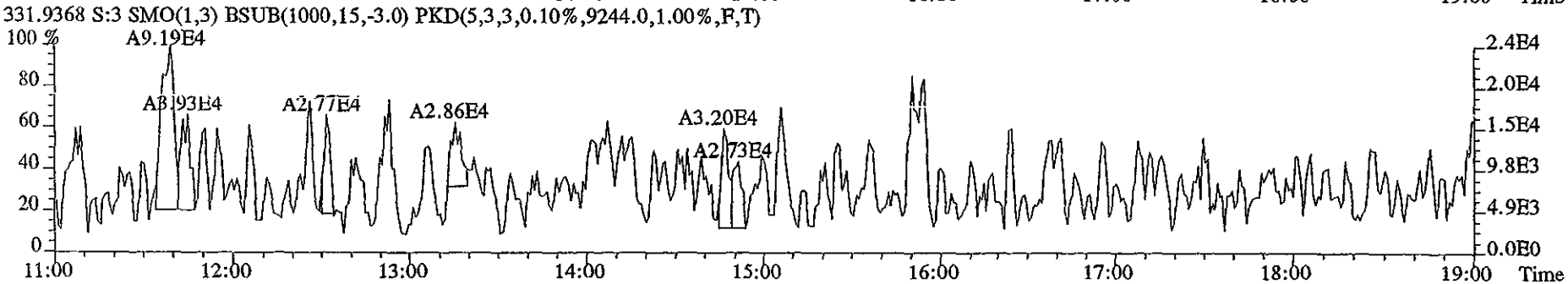
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)

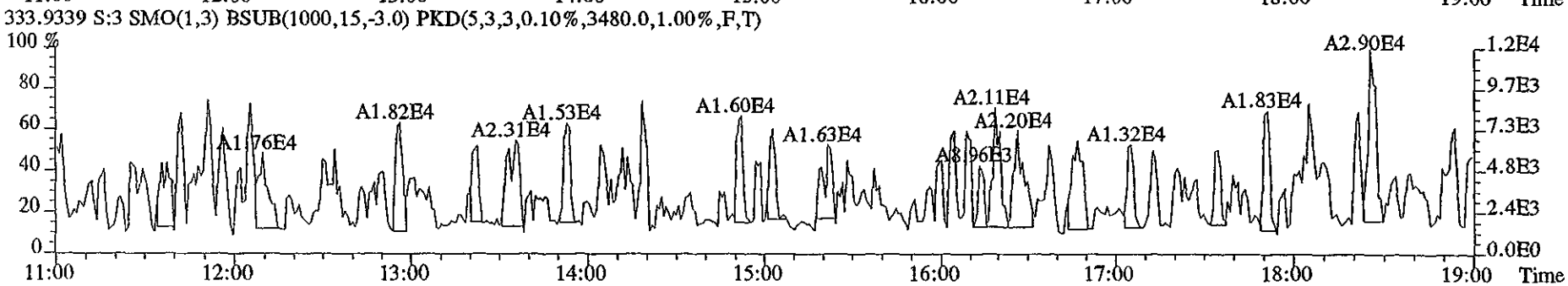


File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES

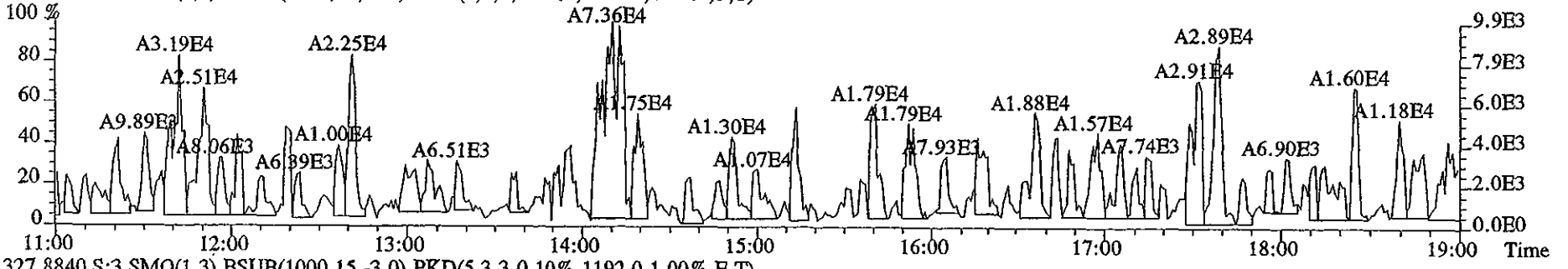




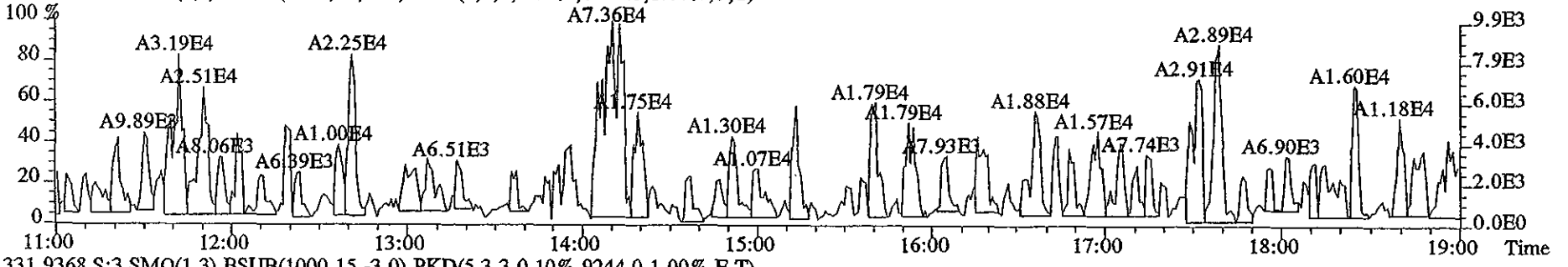




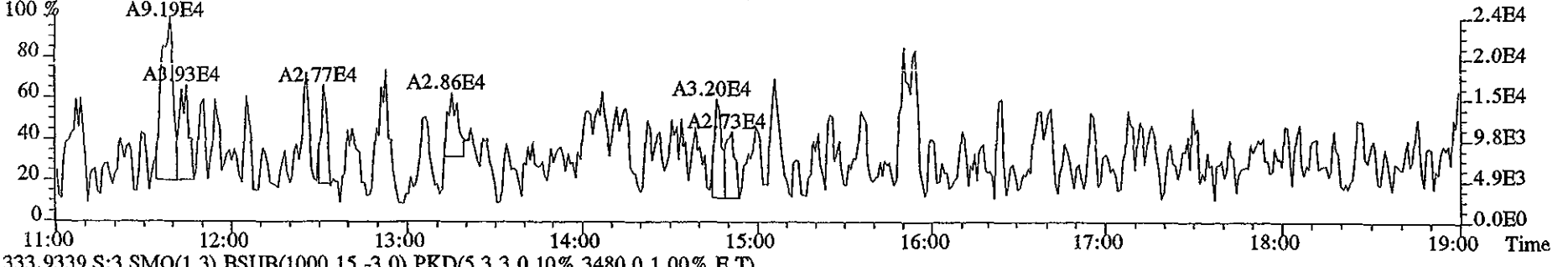
File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



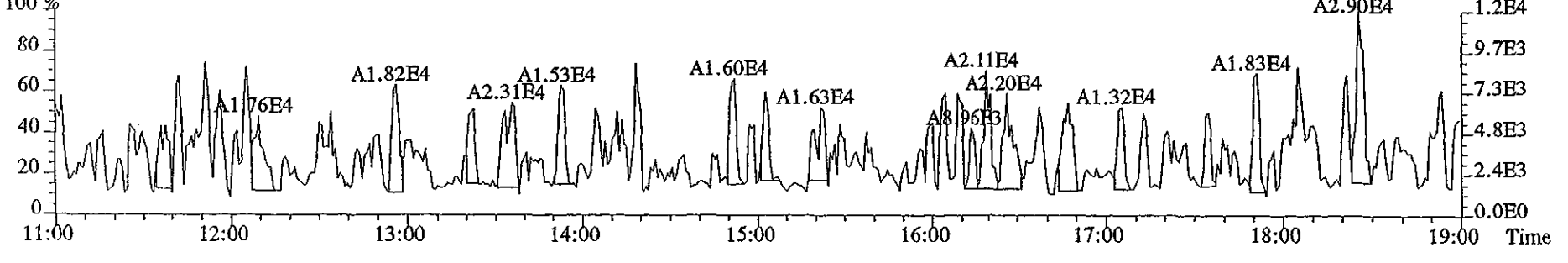
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



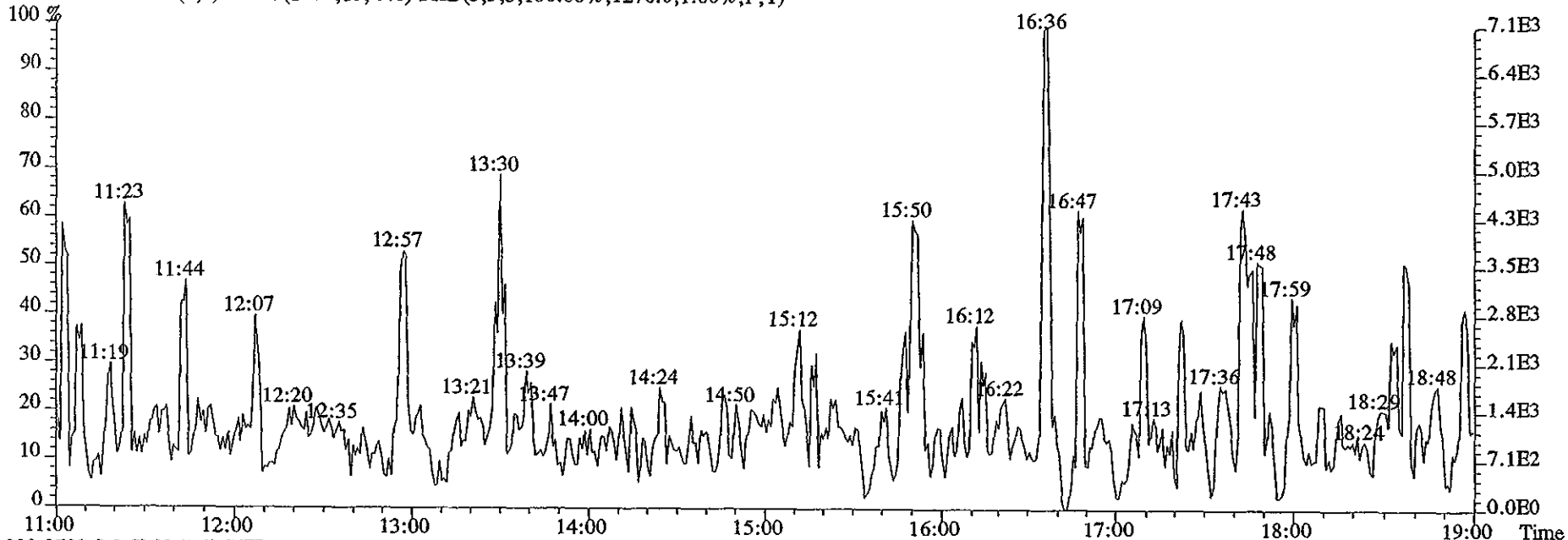
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9244.0,1.00%,F,T)



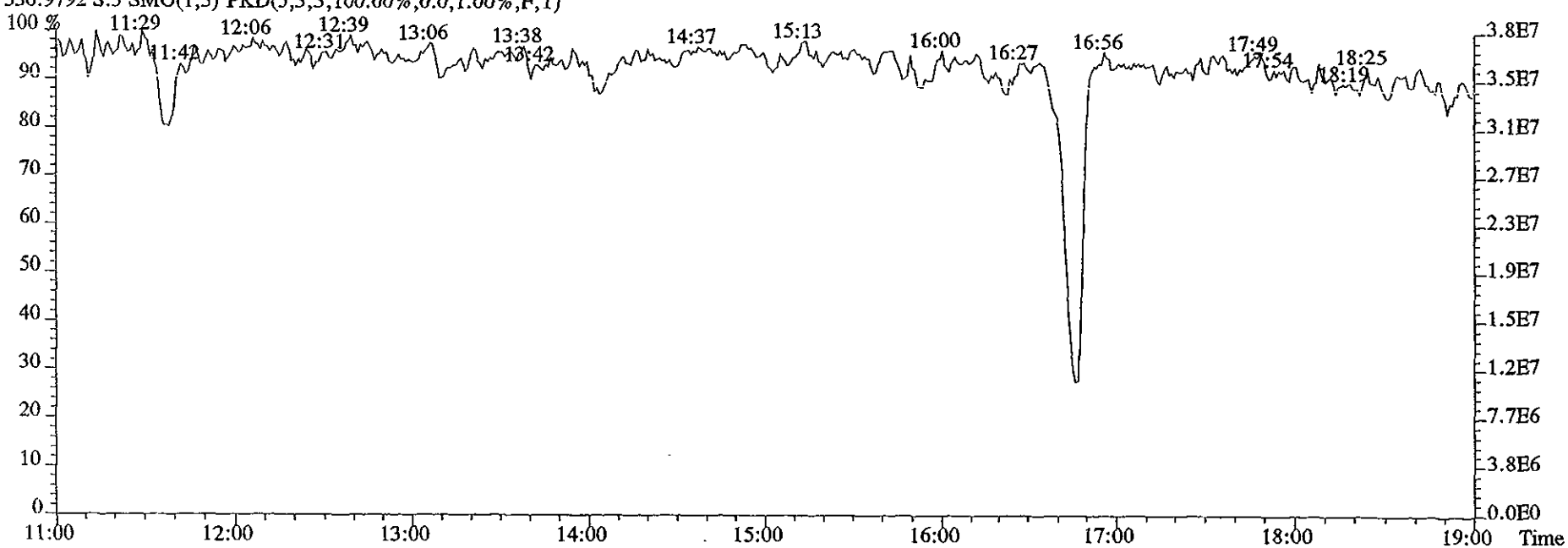
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1276.0,1.00%,F,T)

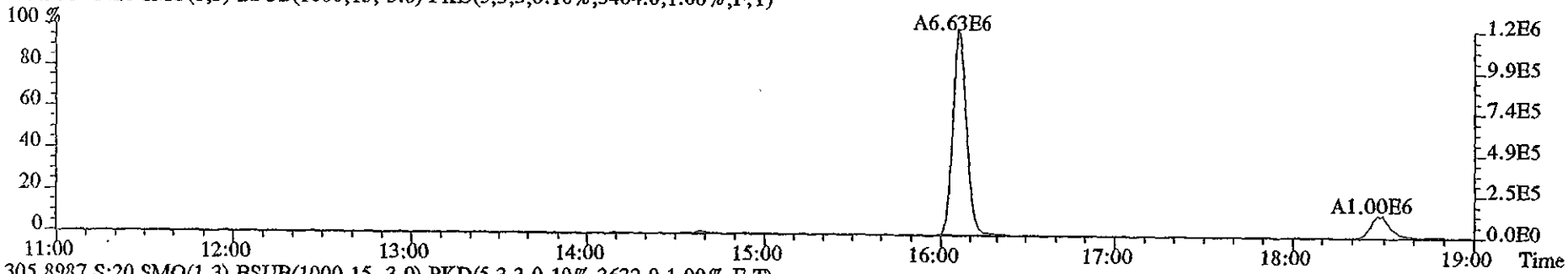


330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

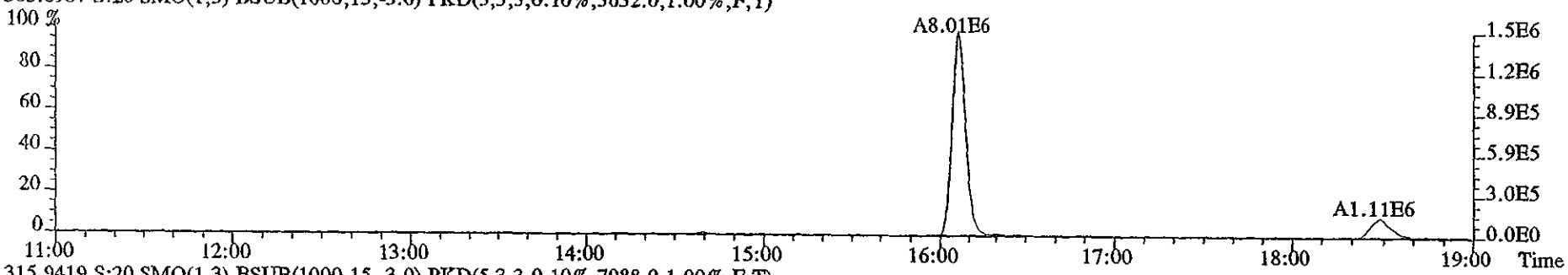


File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES

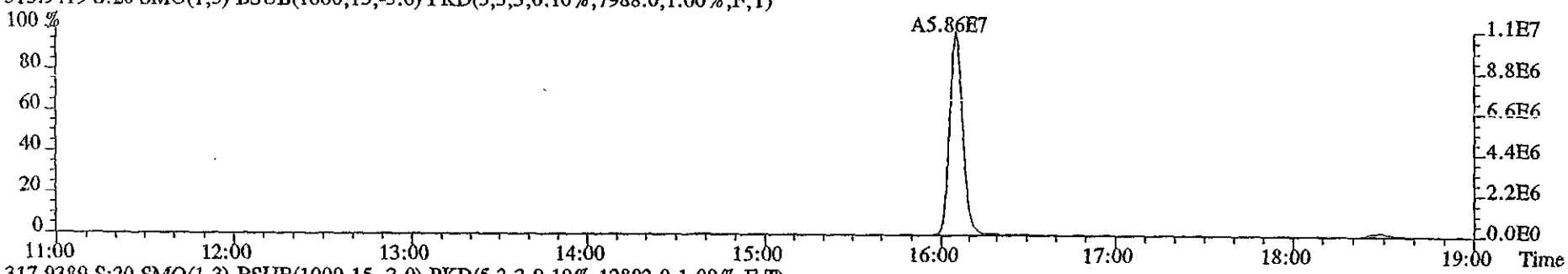
303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3404.0,1.00%,F,T)



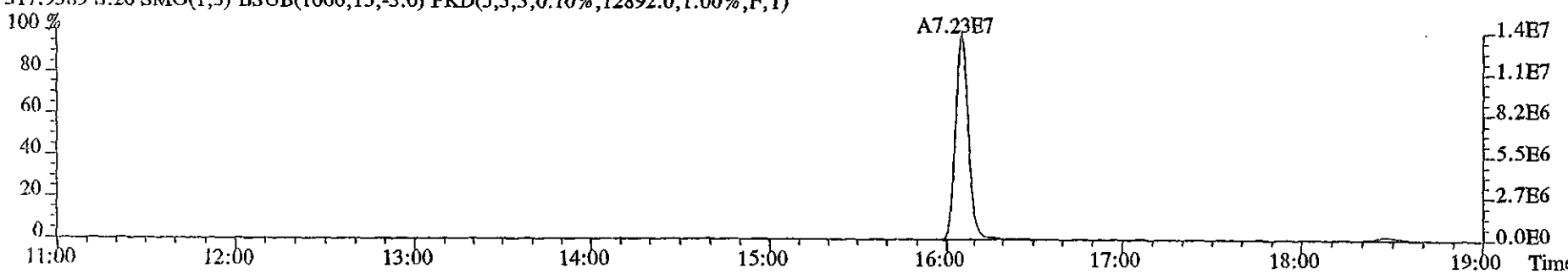
305.8987 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3632.0,1.00%,F,T)



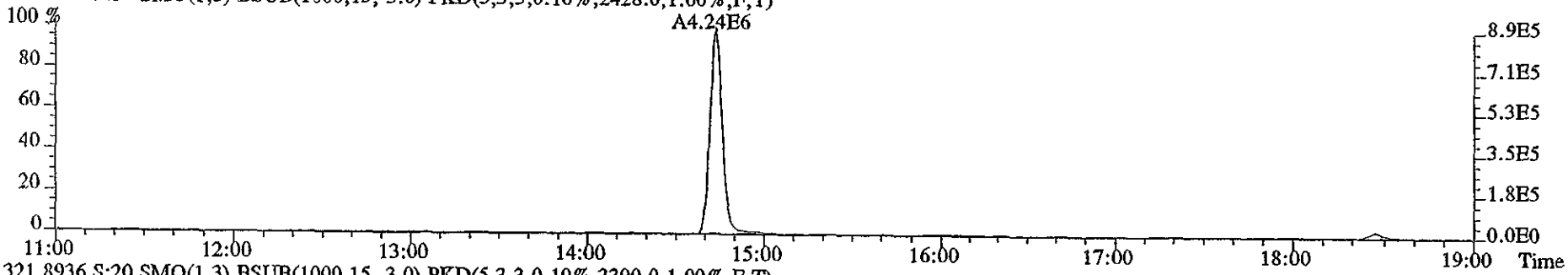
315.9419 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7988.0,1.00%,F,T)



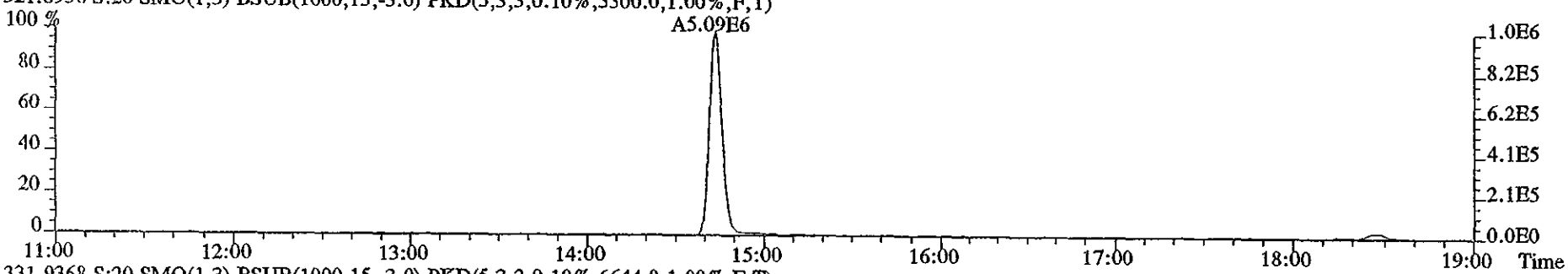
317.9389 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12892.0,1.00%,F,T)



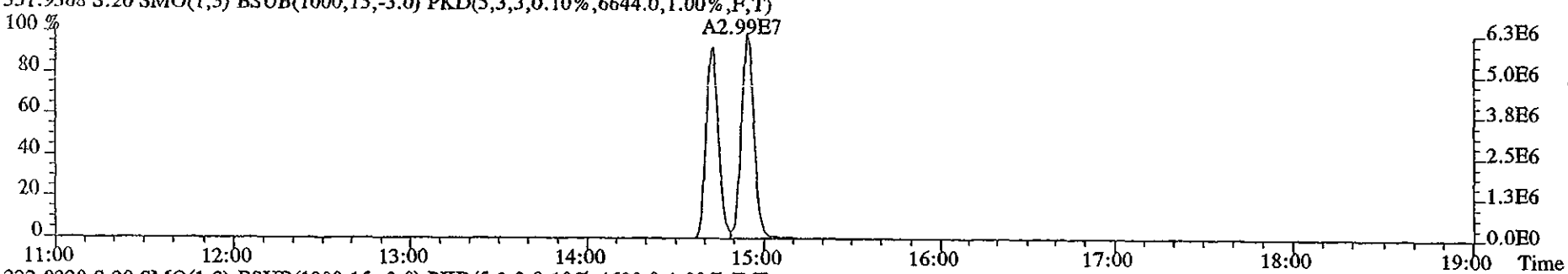
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES
319.8965 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2428.0,1.00%,F,T)



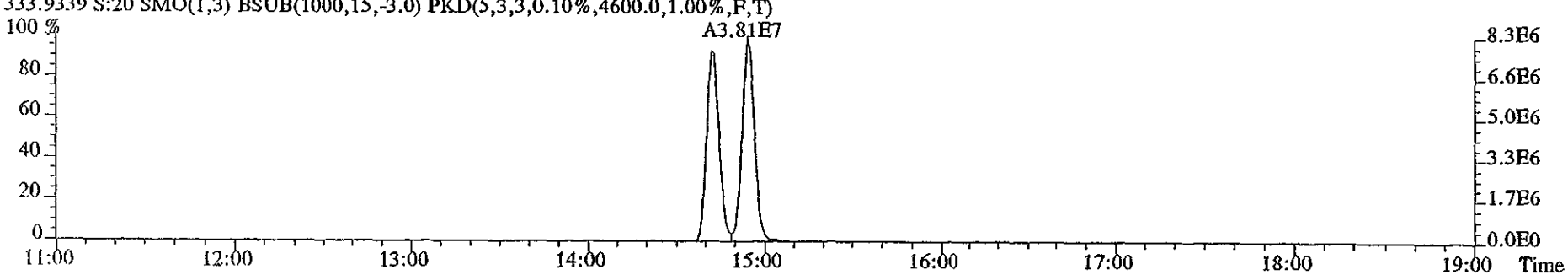
321.8936 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)



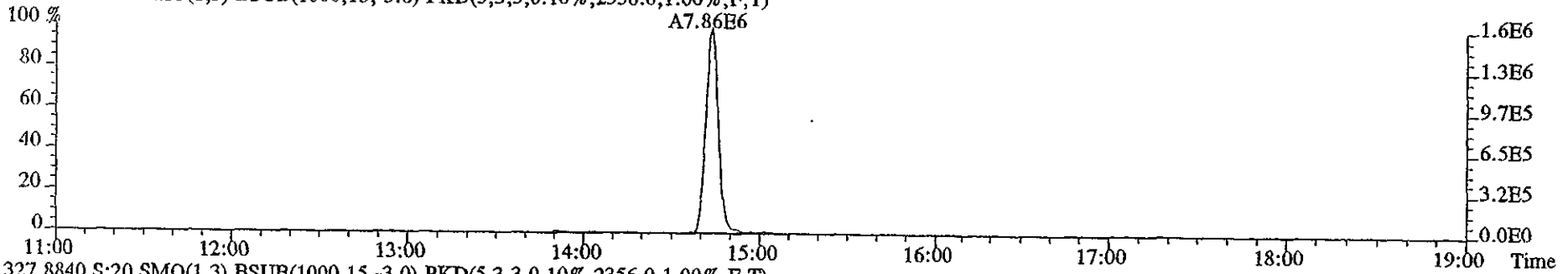
331.9368 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6644.0,1.00%,F,T)



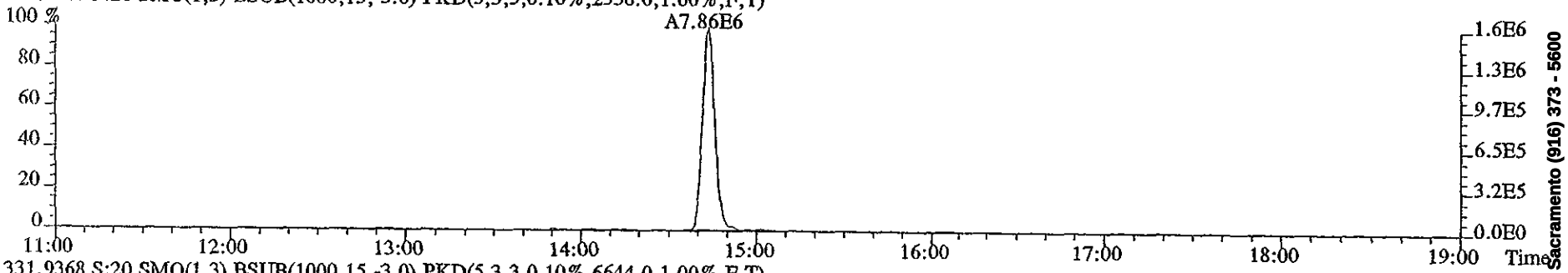
333.9339 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



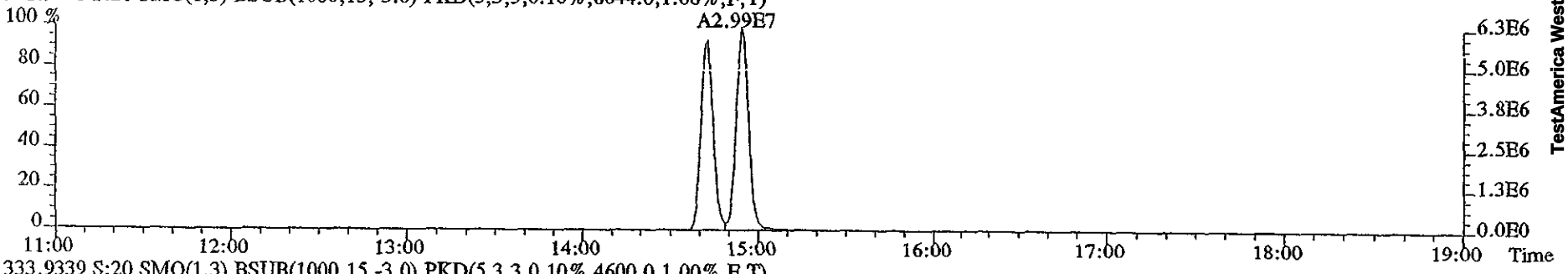
File:01MY10A5D2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES
327.8840 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2356.0,1.00%,F,T)



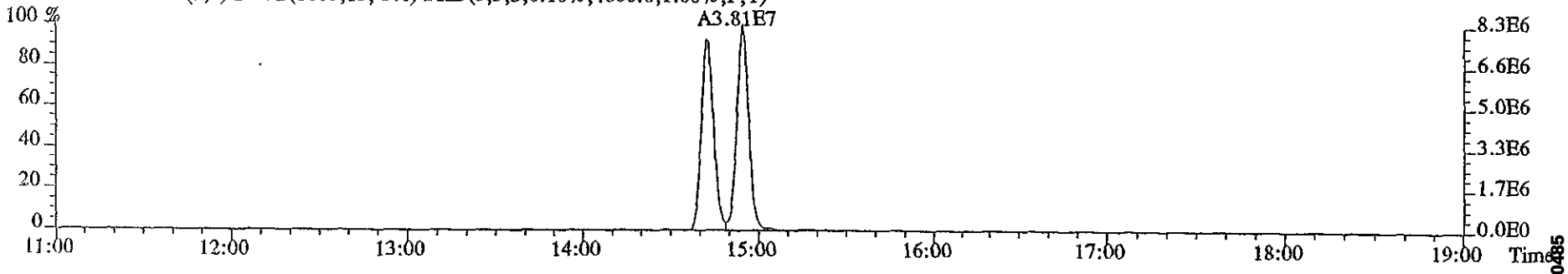
327.8840 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2356.0,1.00%,F,T)

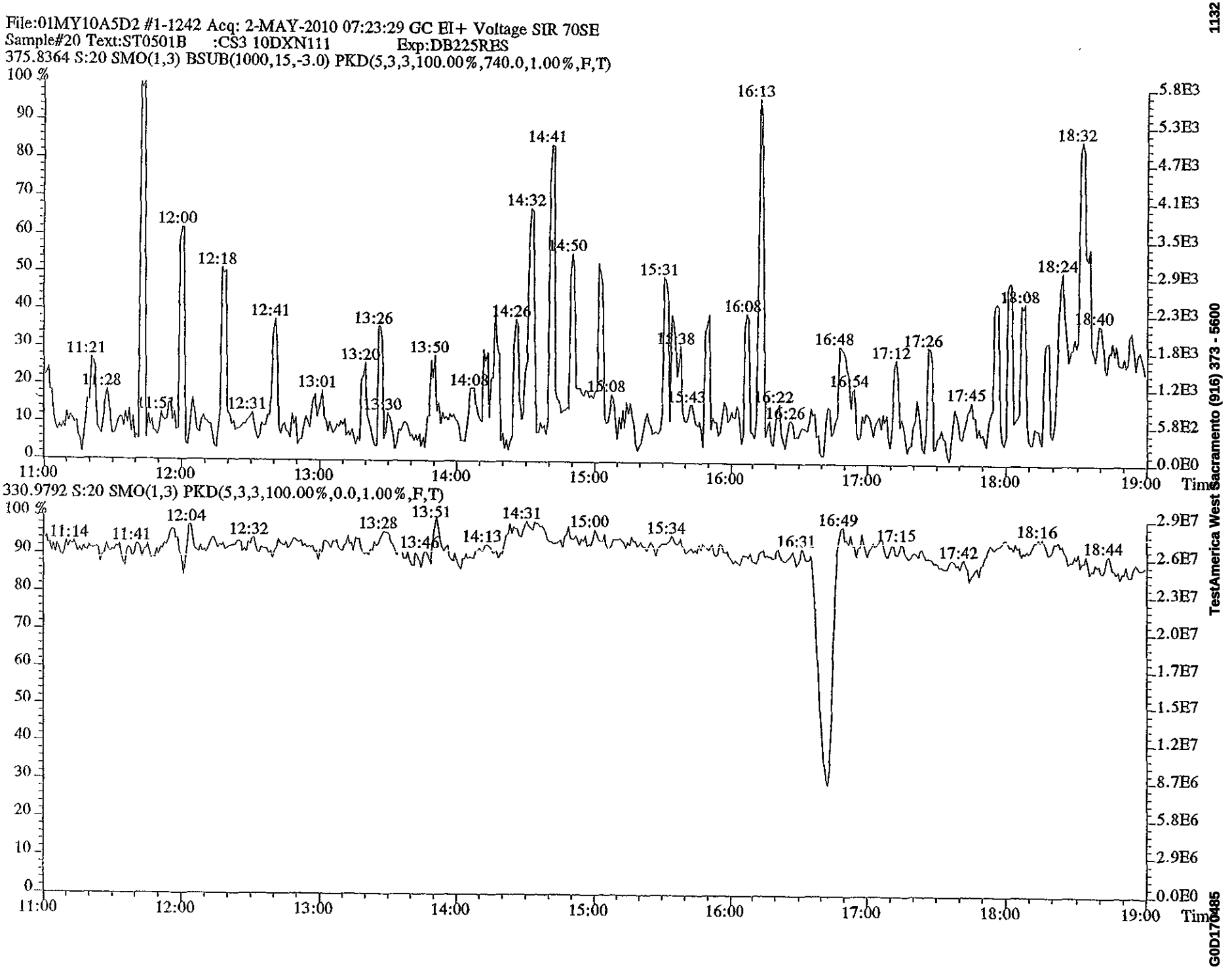


331.9368 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6644.0,1.00%,F,T)



333.9339 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)





TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290) | Associated ICAL DB225042110SD2

Column ID DB225 | Instrument ID 5D2

STD ID ST0503B, ST0503C | STD Solution 10DxN111

Analyzed by AM | Date Analyzed 05-03-10, 05-04-10

Std. Pkg. By ~~AM~~ | Date Std. Pkg. Assembled 05-04-10

Std. Pkg. Reviewed By VMC | Date Std. Pkg. Reviewed 5/4/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0503B File text: CS-3 10DXN111
Run #6 Filename 03MY10B5D2 S: 1 I: 1
Acquired: 3-MAY-10 22:18:28 Processed: 3-MAY-10 22:56:19
Run: 03MY10B5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 03MY10B5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	83980200	0.76 y	15:00	-	100.00	-	n
13C-2,3,7,8-TCDF	173482300	0.81 y	16:11	2.07	100.00	-1.9	n
2,3,7,8-TCDF	17354390	0.77 y	16:12	1.00	10.00	-8.1	n
13C-2,3,7,8-TCDD	80627400	0.77 y	14:48	0.96	100.00	1.2	n
2,3,7,8-TCDD	11406190	0.85 y	14:50	1.41	10.00	4.2	n
37Cl-2,3,7,8-TCDD	18603120	1.00 y	14:49	2.22	10.00	-2.8	n

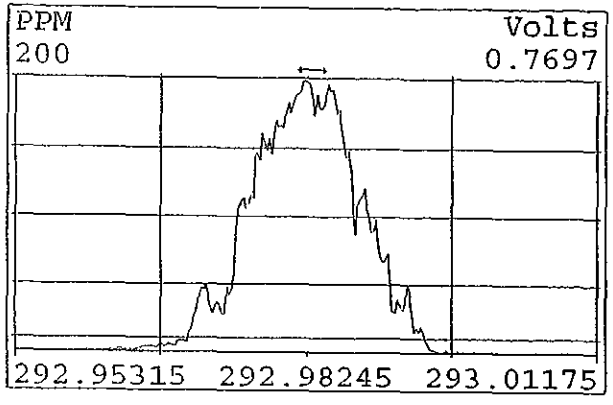
Run text: ST0503C File text: ST0503C :CS3 10DXN111
Run #19 Filename 03MY10B5D2 S: 16 I: 1
Acquired: 4-MAY-10 07:34:48 Processed: 4-MAY-10 10:27:12
Run: 03MY10B5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 03MY10B5D2DB225

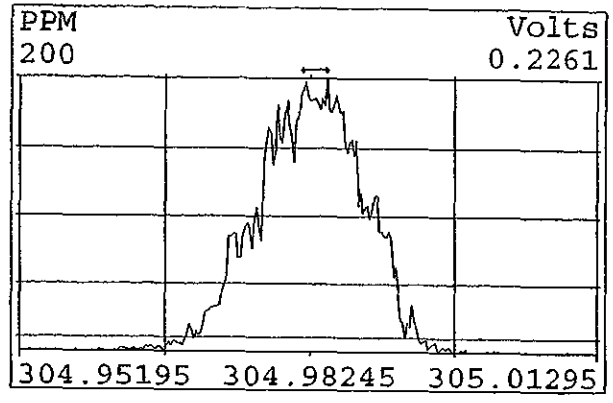
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	85750808	0.74 y	14:54	-	100.00	-	n
13C-2,3,7,8-TCDF	181531880	0.79 y	16:05	2.12	100.00	0.5	n
2,3,7,8-TCDF	17610512	0.81 y	16:06	0.97	10.00	-10.9	n
13C-2,3,7,8-TCDD	84936376	0.76 y	14:42	0.99	100.00	4.4	n
2,3,7,8-TCDD	12247637	0.89 y	14:44	1.44	10.00	6.2	n
37Cl-2,3,7,8-TCDD	18542052	1.00 y	14:44	2.16	10.00	-5.1	n

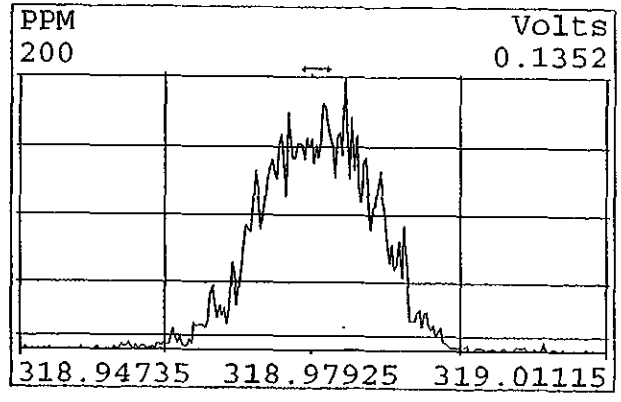
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
03MY10B5D2	1	ST0503B	CS3 10DXN111				1.000	
03MY10B5D2	2	CP0503A	DB-225 CPSM 3732-06				1.000	
03MY10B5D2	3	SB0503A	Solvent Blank C-14				1.000	
03MY10B5D2	4	LX0R3-1-AD	G0D140543-67	10	8290/SOLID	75	10.000	g
03MY10B5D2	5	LX1G8-1-AD	G0D150462-3	10	8290/SOLID		10.690	g
03MY10B5D2	6	LX1GM-1-AD	G0D150462-1	10	8290/SOLID		10.500	g
03MY10B5D2	7	LX1GM-1-AE	G0D150462-1S	10	8290/SOLID		10.890	g
03MY10B5D2	8	LX1GM-1-AF	G0D150462-1D	10	8290/SOLID		10.020	g
03MY10B5D2	9	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.050	g
03MY10B5D2	10	LXT2W-1-AC	G0D120444-1	20	8290/SOLID	85	10.030	g
03MY10B5D2	11	LXT2W-1-AF	G0D120444-1S	20	8290/SOLID		10.280	g
03MY10B5D2	12	LXT2W-1-AG	G0D120444-1D	20	8290/SOLID		10.240	g
03MY10B5D2	13	LXT25-1-AC	G0D120444-2	20	8290/SOLID		10.450	g
03MY10B5D2	14	LX299-1-AD	G0D160435-3	10	8290/SOLID	77	10.020	g
03MY10B5D2	15	SB0503B	Solvent Blank C-14				1.000	
03MY10B5D2	16	ST0503C	CS3 10DXN111				1.000	
03MY10B5D2	17						1.000	
03MY10B5D2	18						1.000	
03MY10B5D2	19						1.000	
03MY10B5D2	20						1.000	
03MY10B5D2	21						1.000	
^3MY10B5D2	22						1.000	
MY10B5D2	23		AM 05-03-10				1.000	
03MY10B5D2	24						1.000	

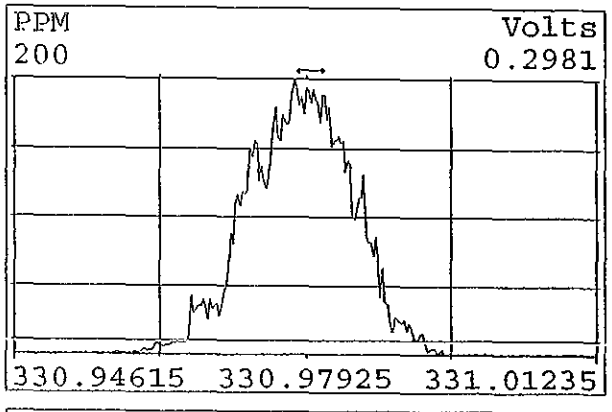
log file checked ok
~~to~~
05/04/10

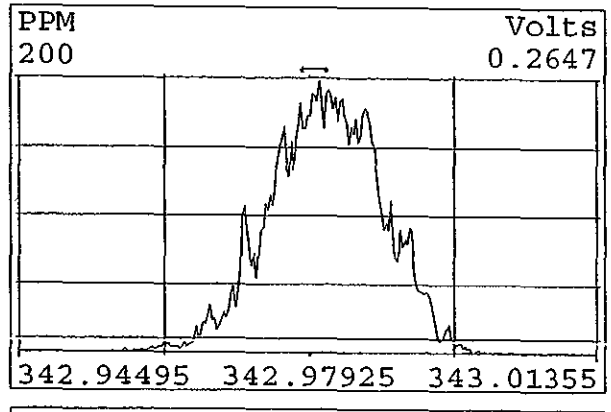
Peak Locate Examination: 3-MAY-2010:22:14 File:03MY10B5D2
Experiment:DB225RES Function:1 Reference:PFK

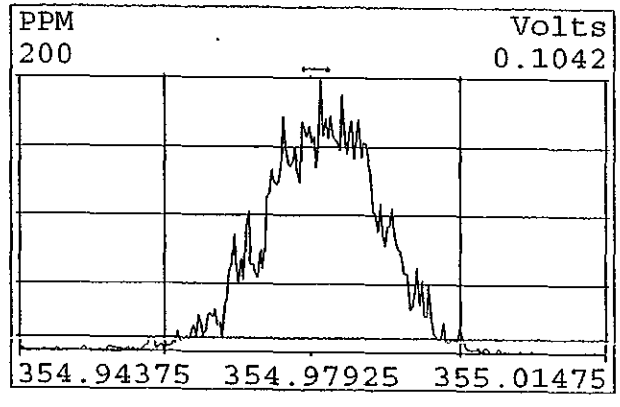


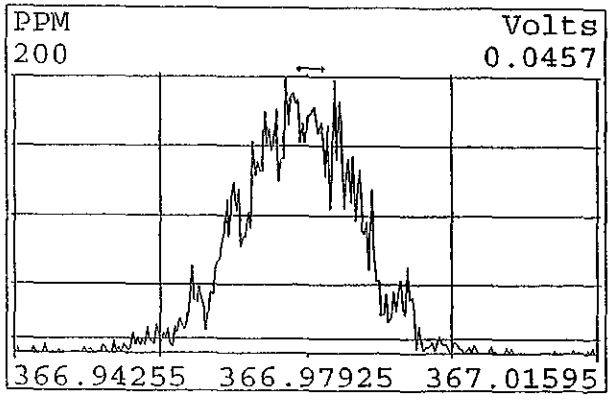


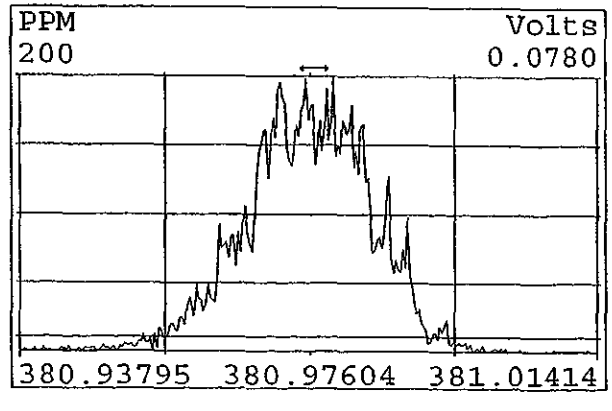




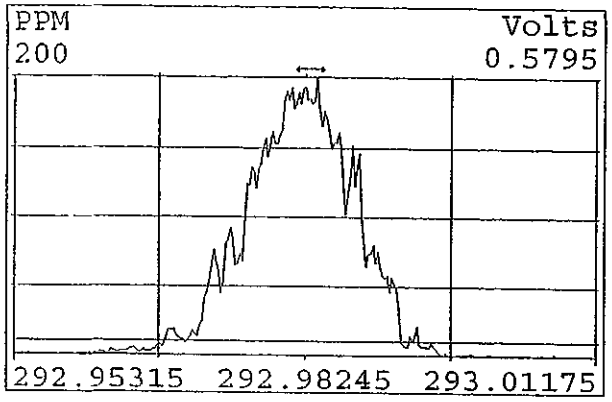


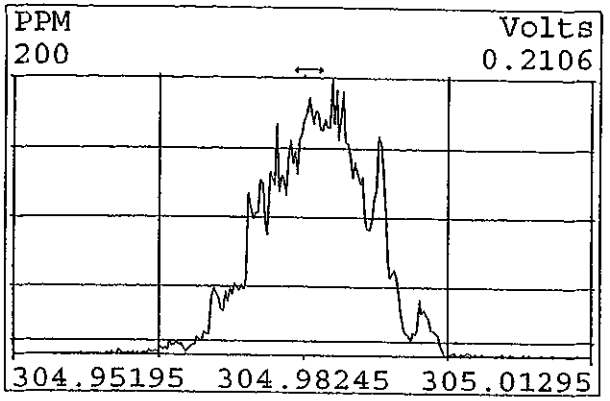


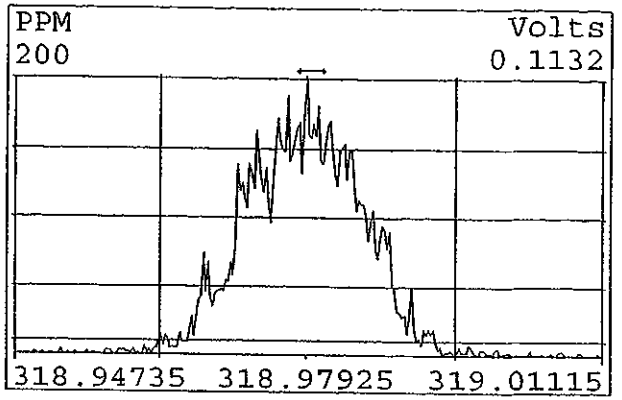


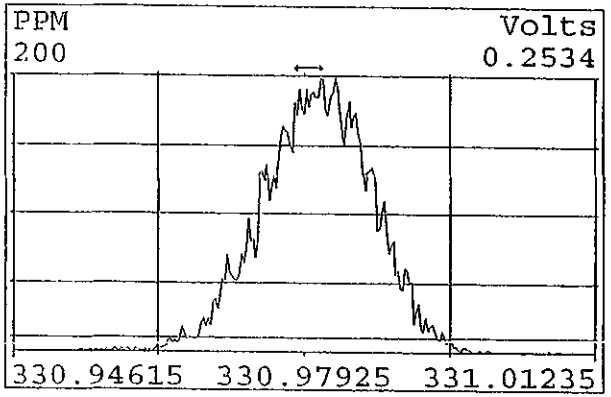


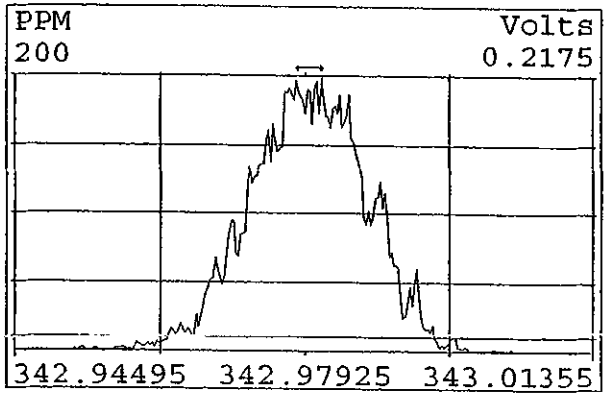
Peak Locate Examination: 4-MAY-2010:08:33 File:03MY10B5D2ENDRES
Experiment:DB225RES Function:1 Reference:PFK

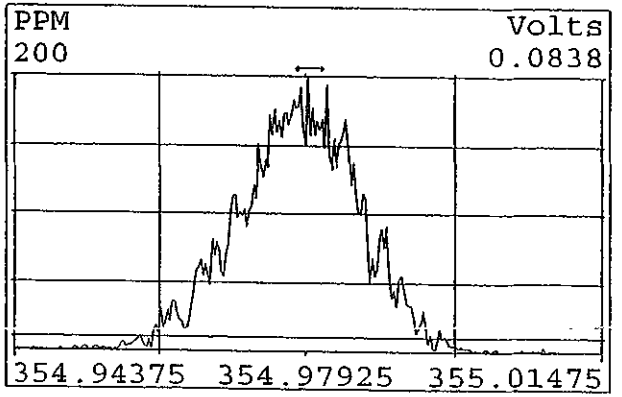


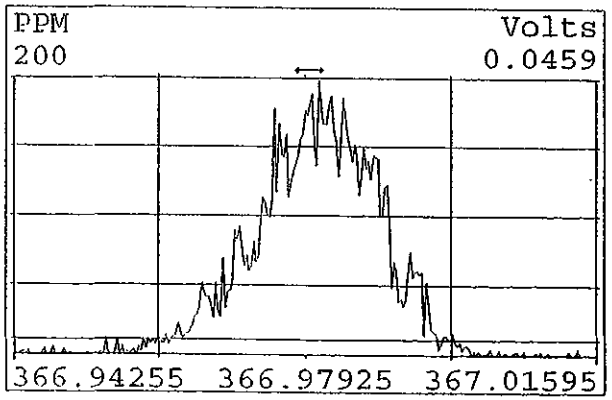


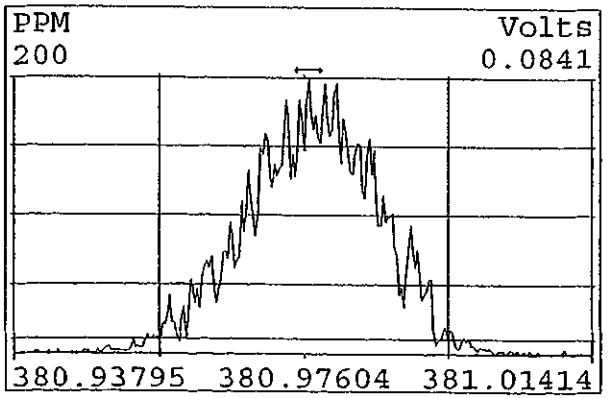




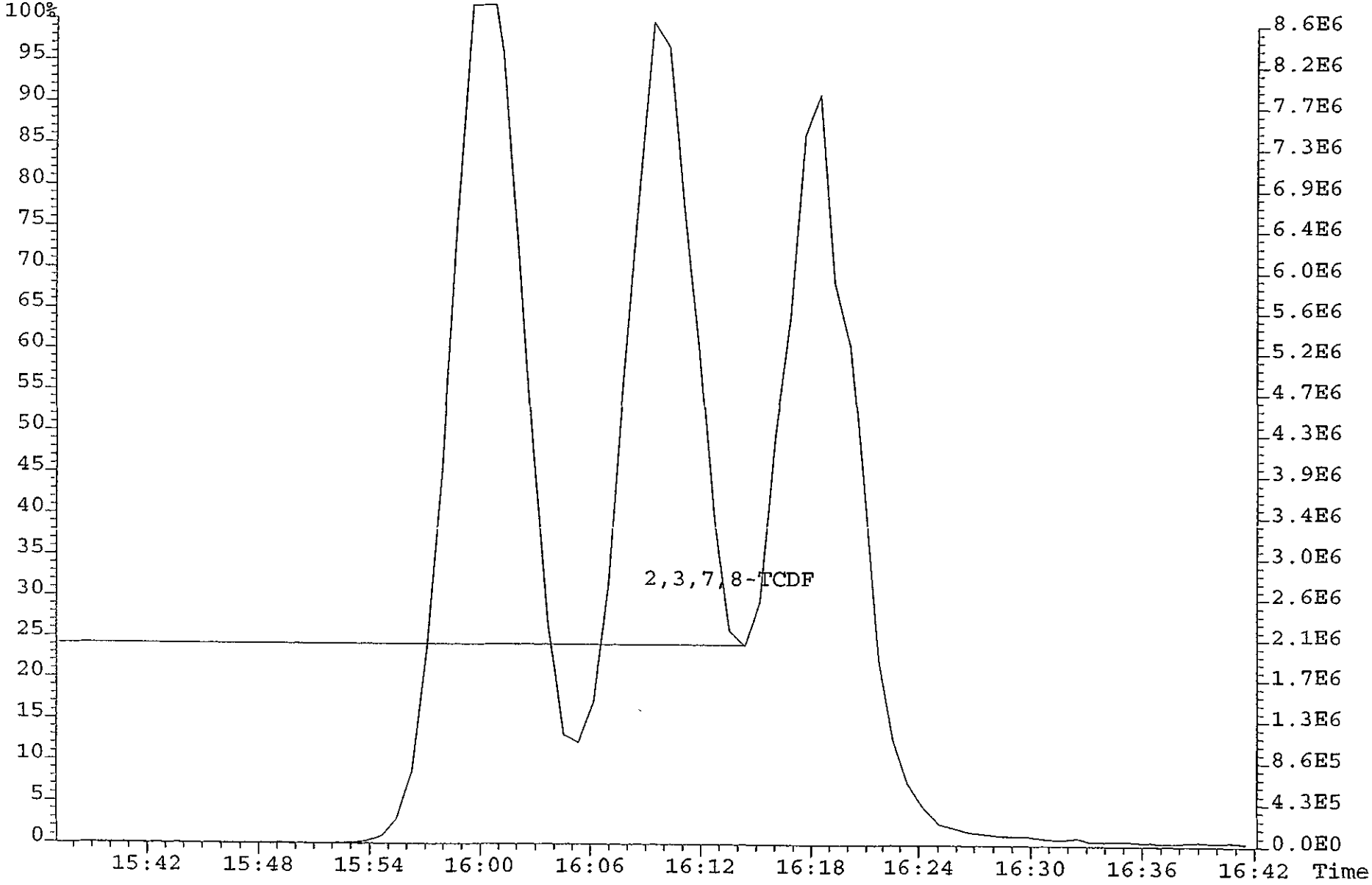








File:03MY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC EI+ Voltage SIR 70SE
303.9016 S:2 BSUB(128,15,-3.0) Exp:DB225RES Noise:672
Sample Text:CP0503A :DB-225 CPSM 3732-06

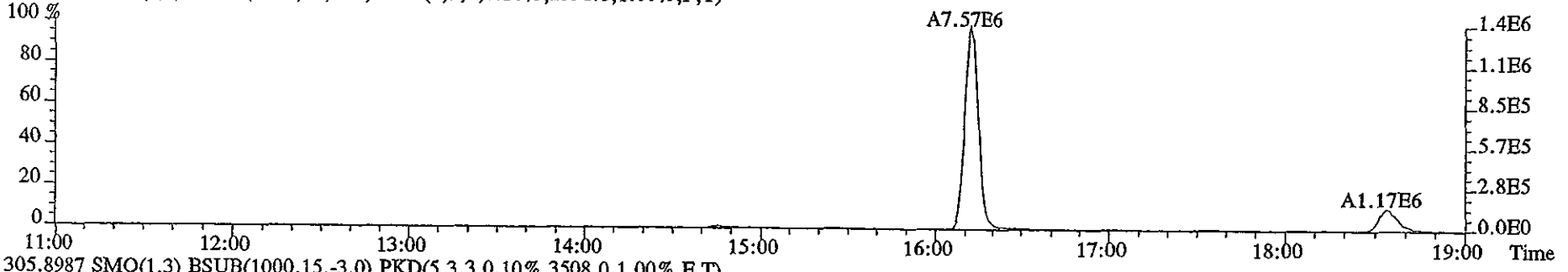


Run: 03MY10B5D2 Analyte: DB225 Cal: DB2250421105D2

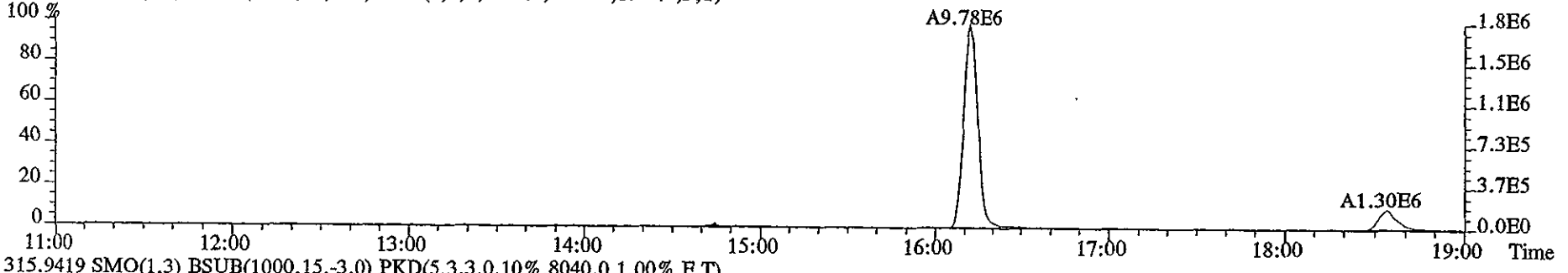
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

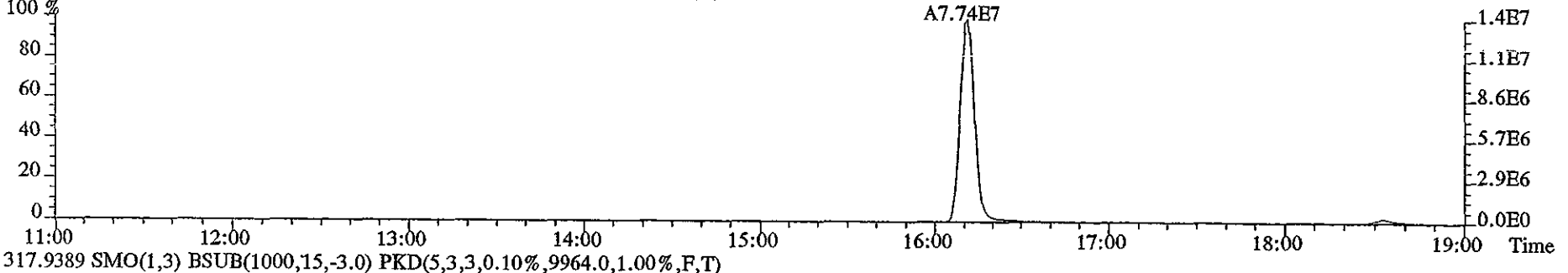
File:03MY10B5D2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2396.0,1.00%,F,T)



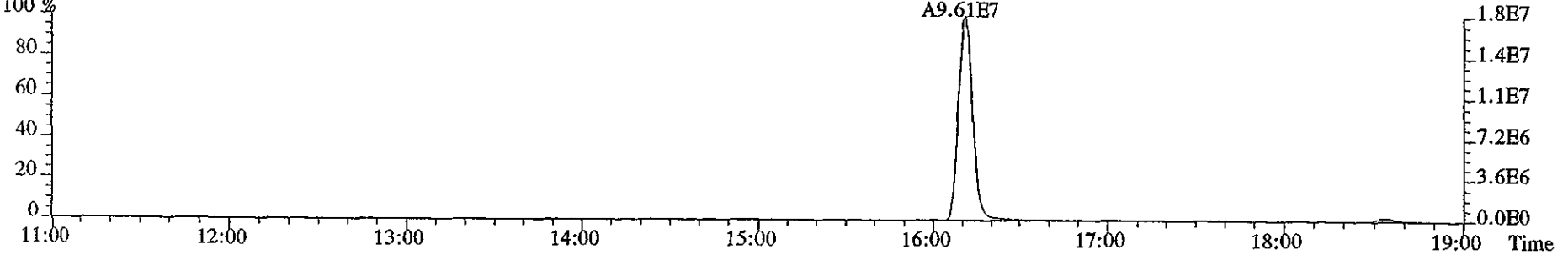
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3508.0,1.00%,F,T)



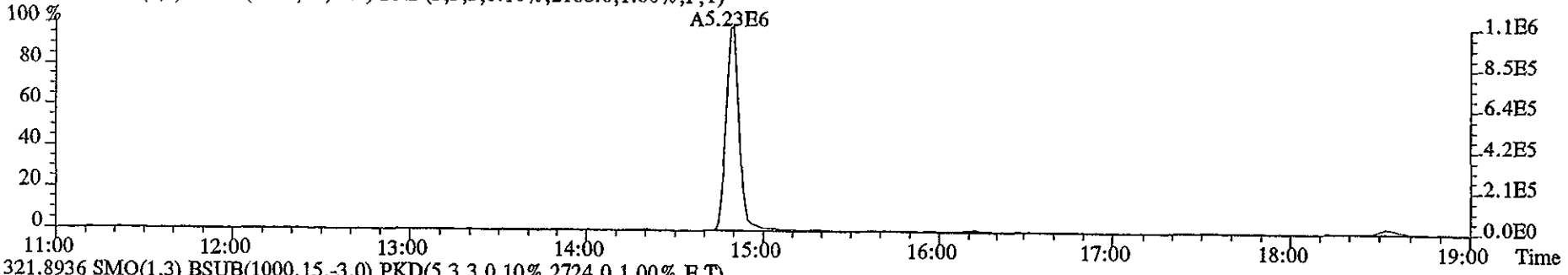
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8040.0,1.00%,F,T)



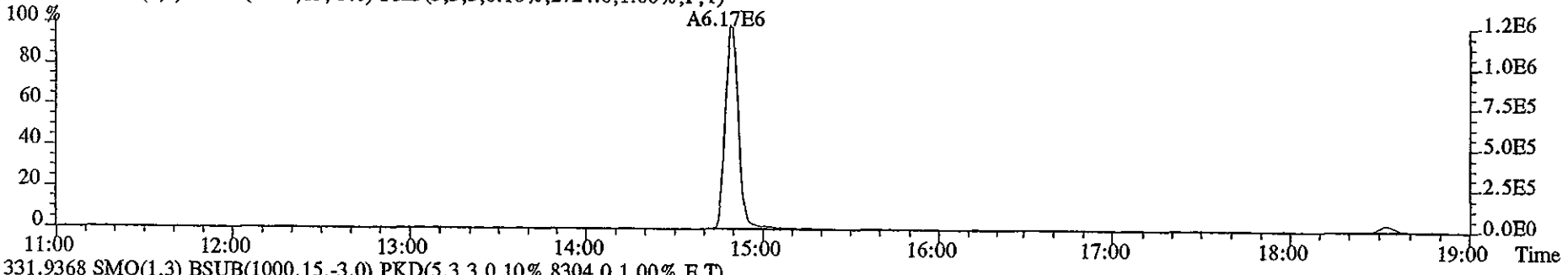
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9964.0,1.00%,F,T)



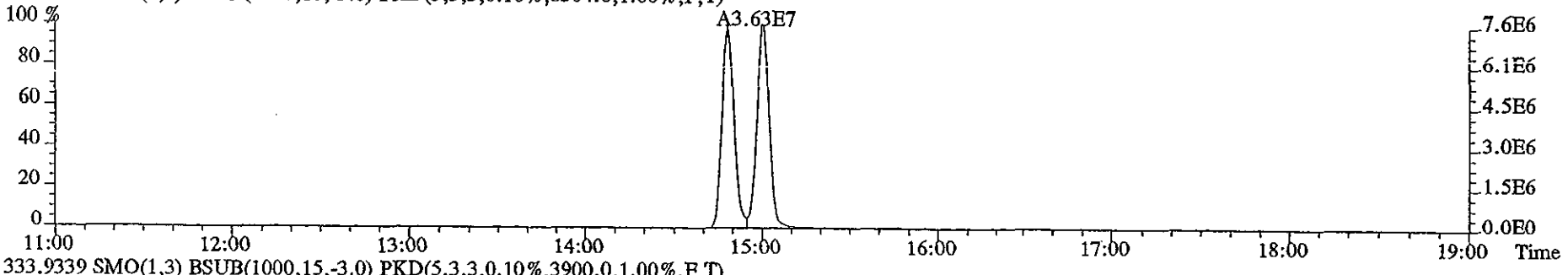
File:03MY10B5D2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2168.0,1.00%,F,T)



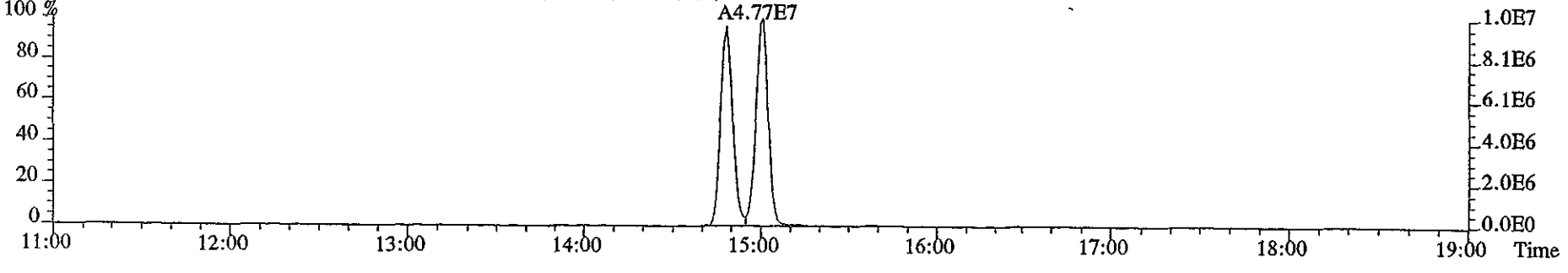
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2724.0,1.00%,F,T)



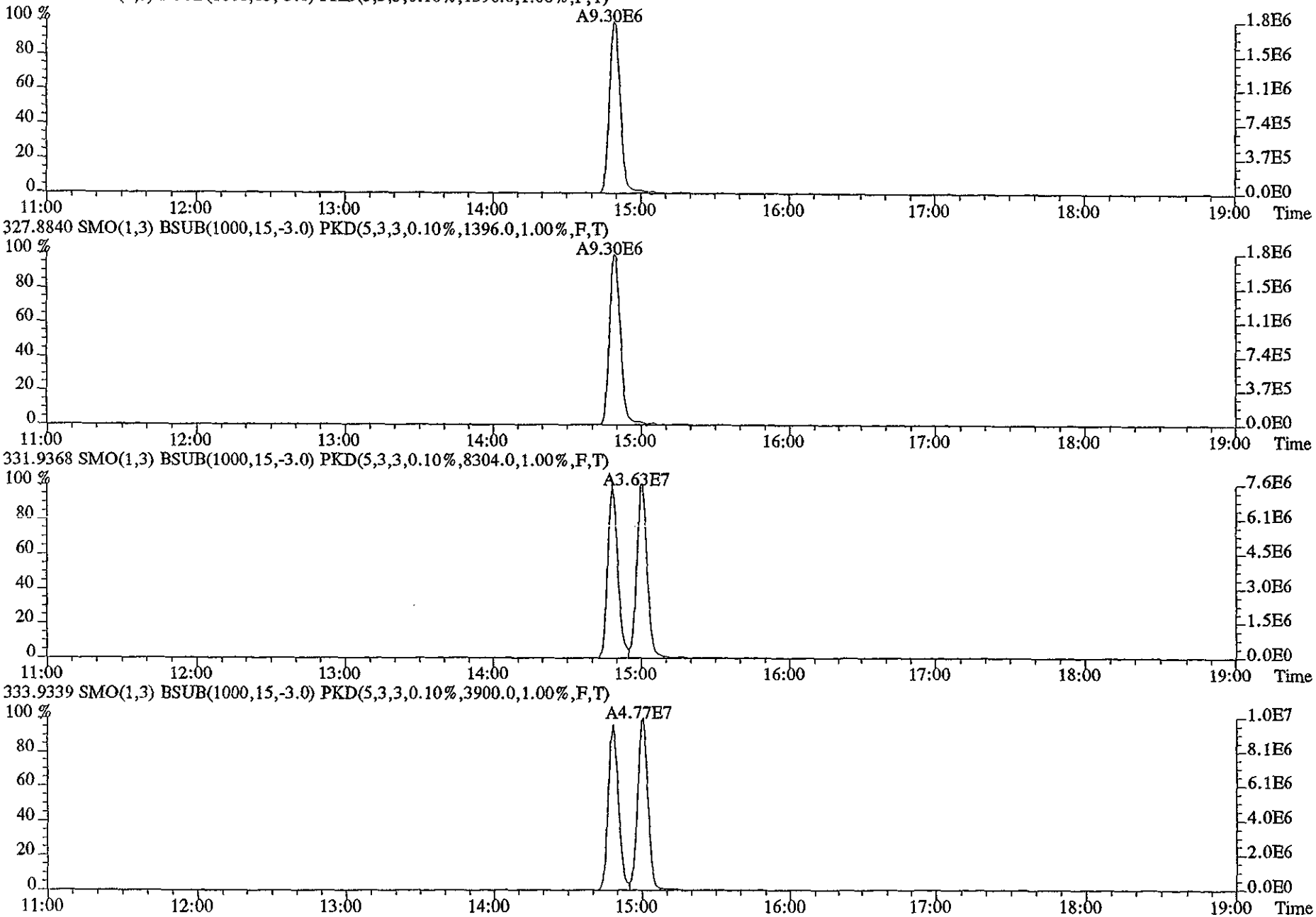
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8304.0,1.00%,F,T)



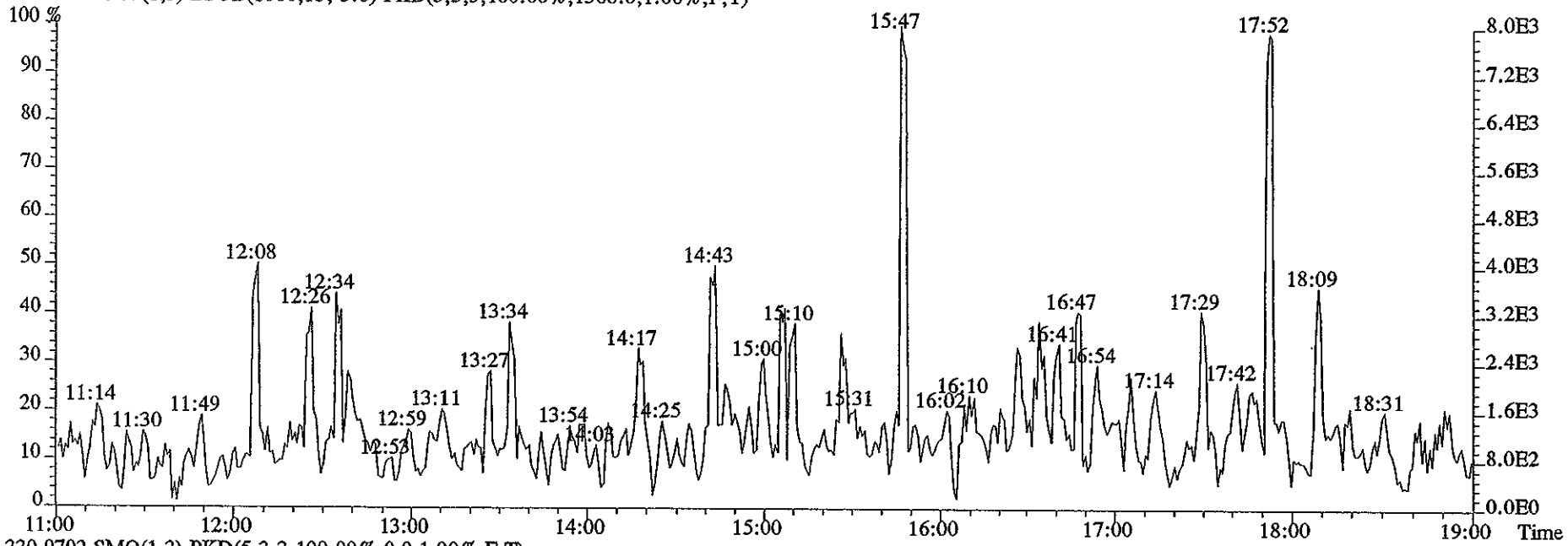
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3900.0,1.00%,F,T)



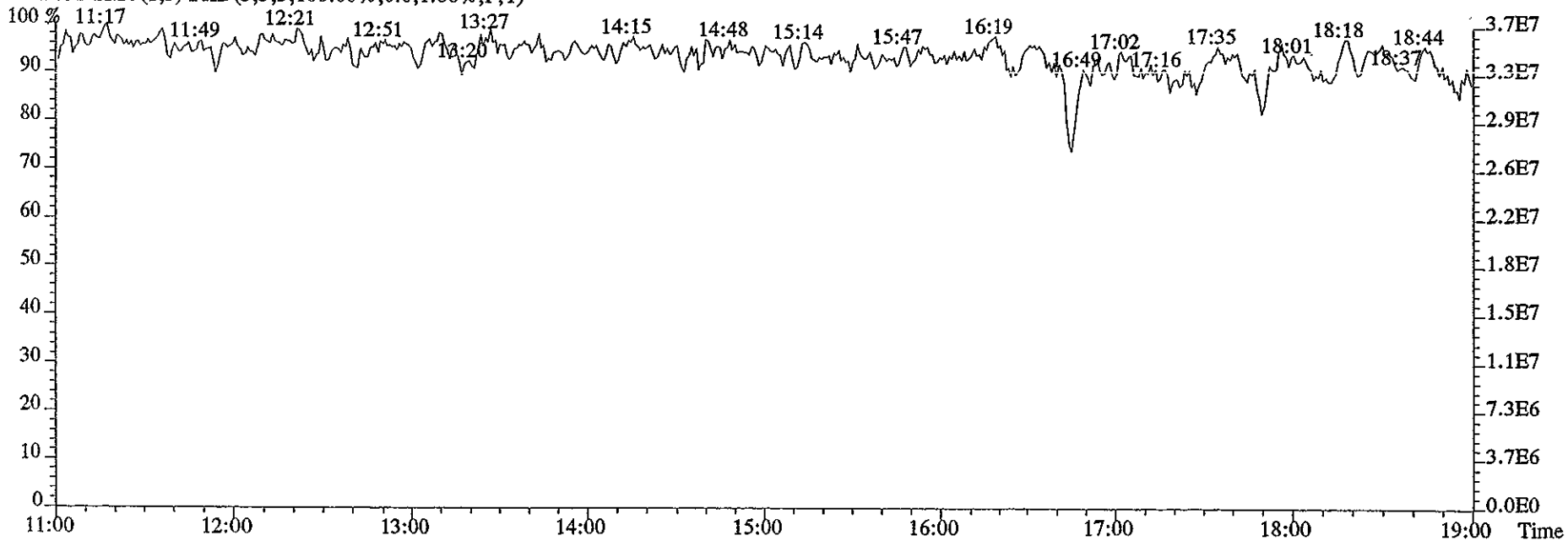
File:03MY10B5D2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES



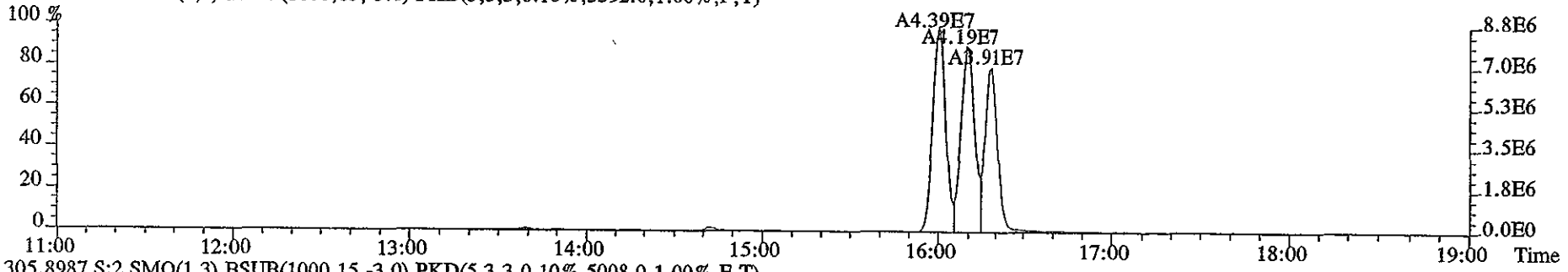
File:03MY10B5D2 #1-1242 Acq: 3-MAY-2010 22:18:28 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0503B :CS3 10DXN111 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



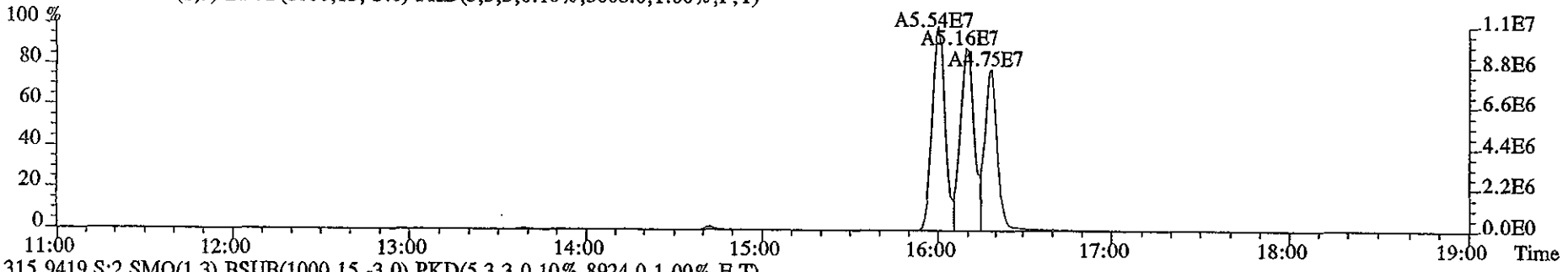
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



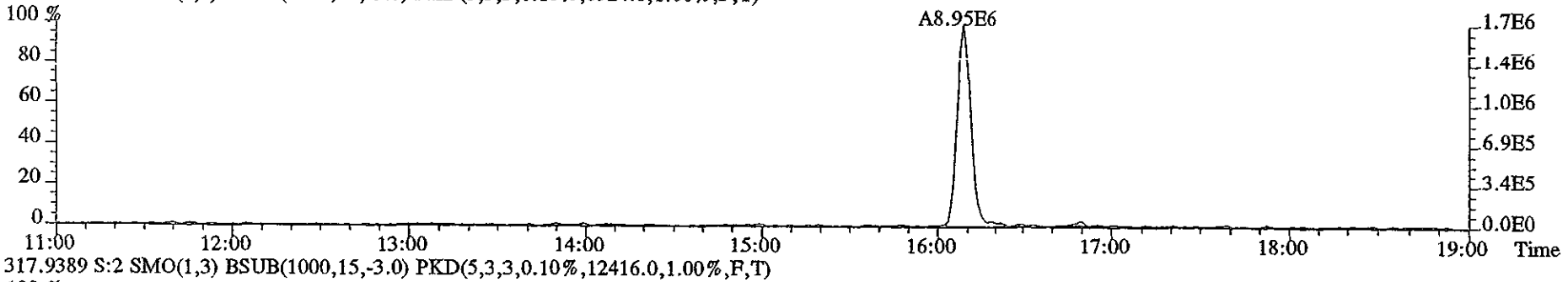
File:03MY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0503A :DB-225 CPSM 3732-06 Exp:DB225RES
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3392.0,1.00%,F,T)



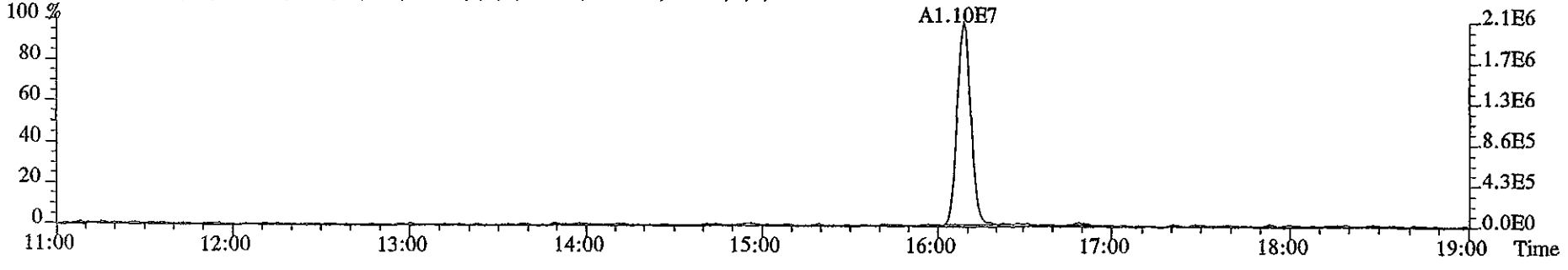
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5008.0,1.00%,F,T)



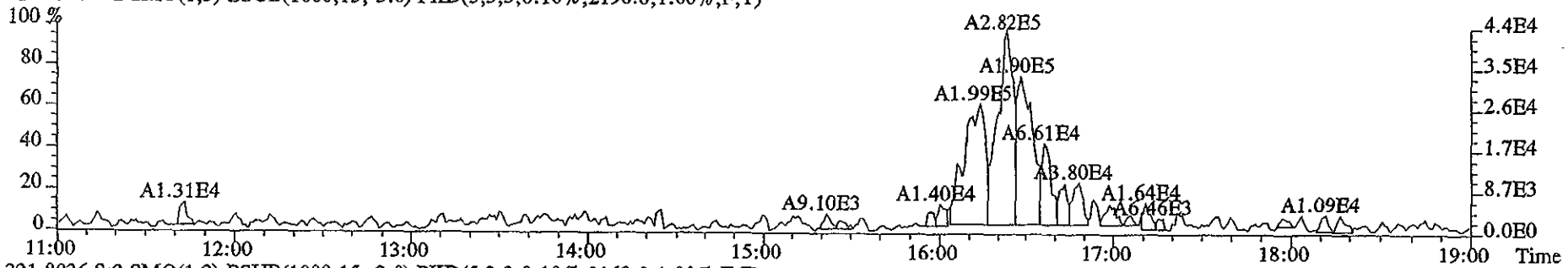
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8924.0,1.00%,F,T)

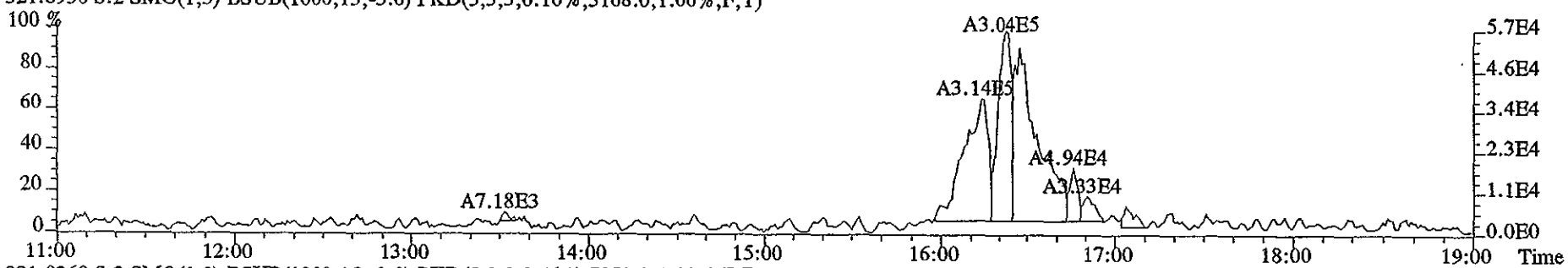


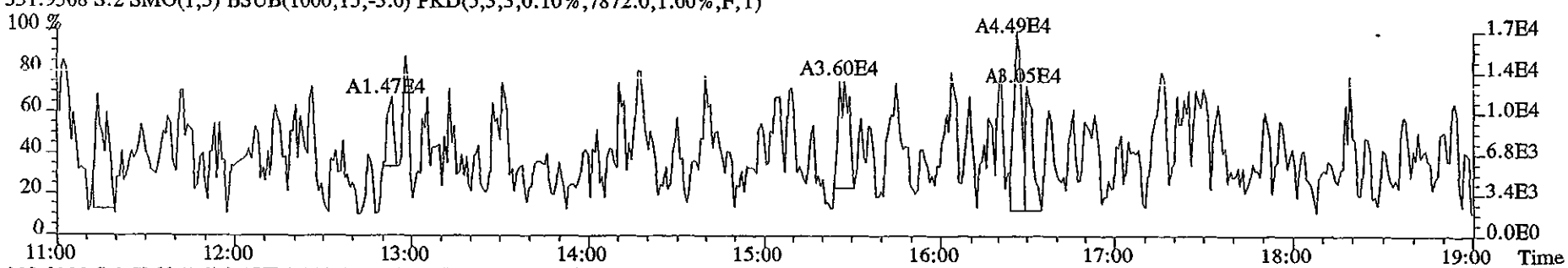
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12416.0,1.00%,F,T)

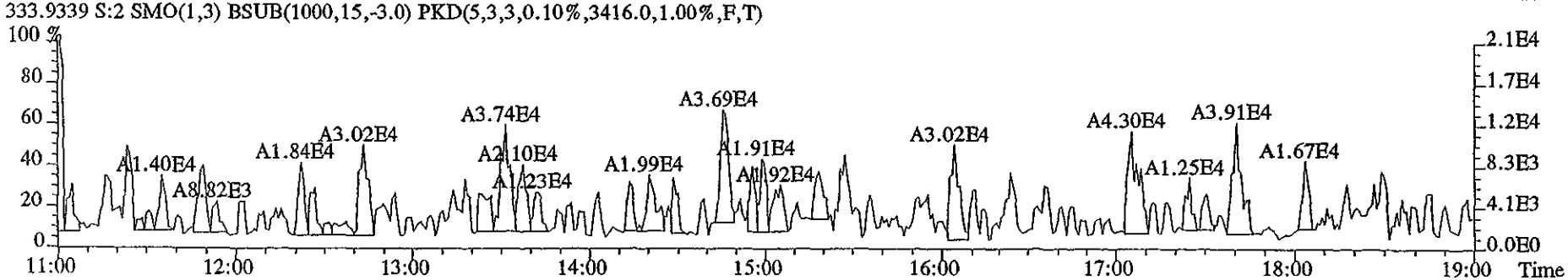


File:03MY10B5D2 #1-1241 Acq: 3-MAY-2010.22:55:36 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0503A :DB-225 CPSM 3732-06 Exp:DB225RES

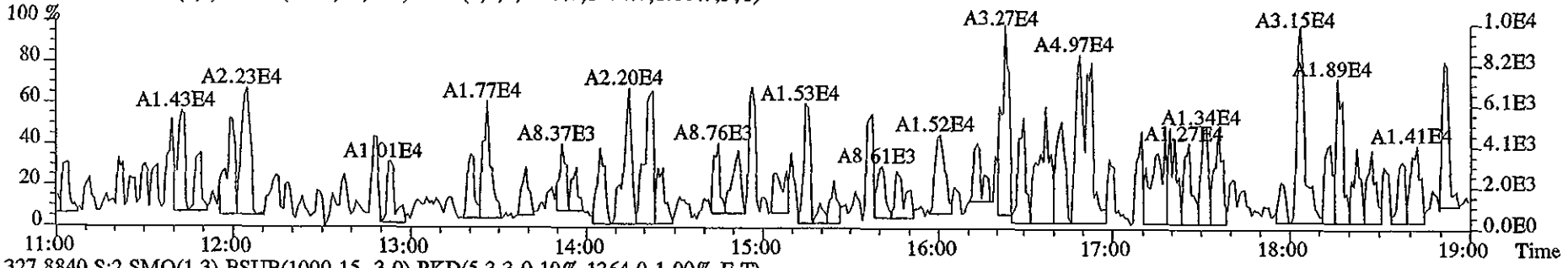




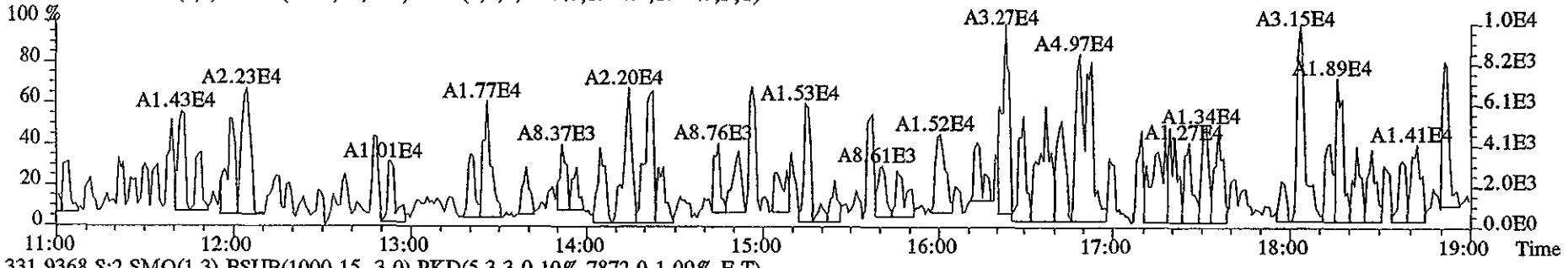




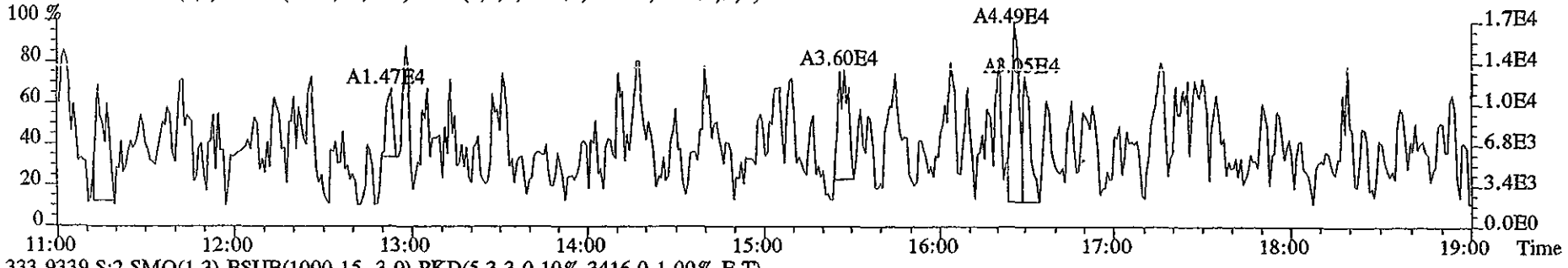
File:03MY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0503A :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364.0,1.00%,F,T)



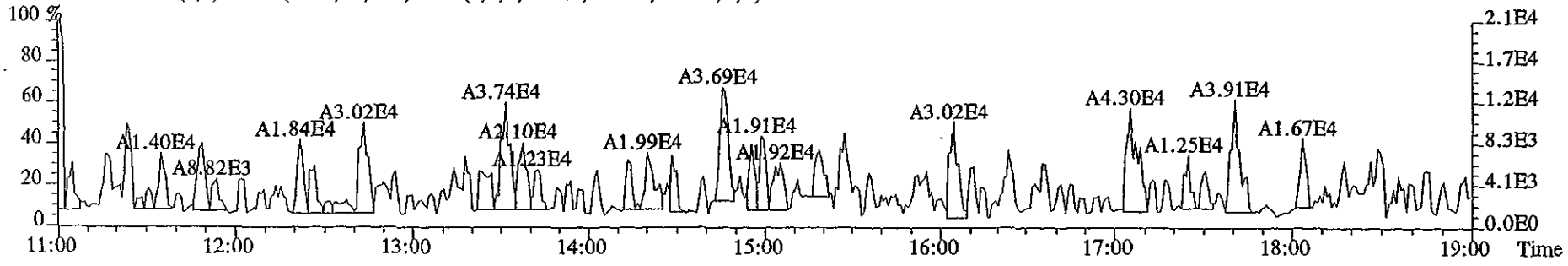
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364.0,1.00%,F,T)



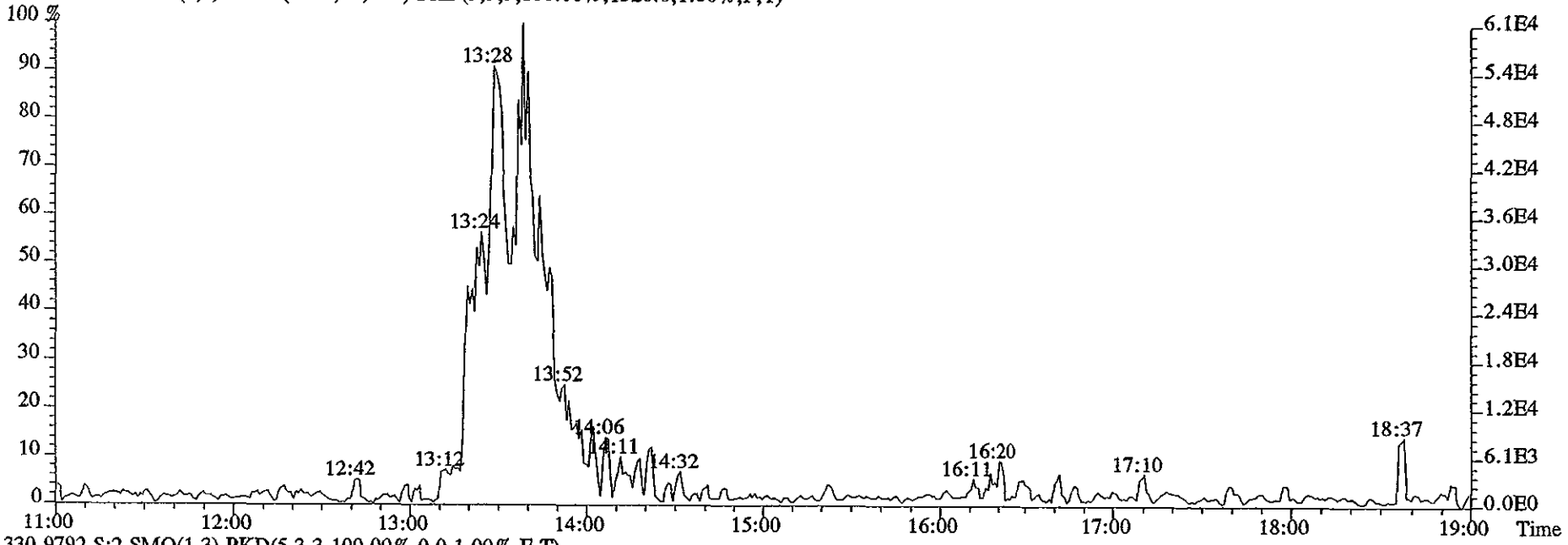
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)



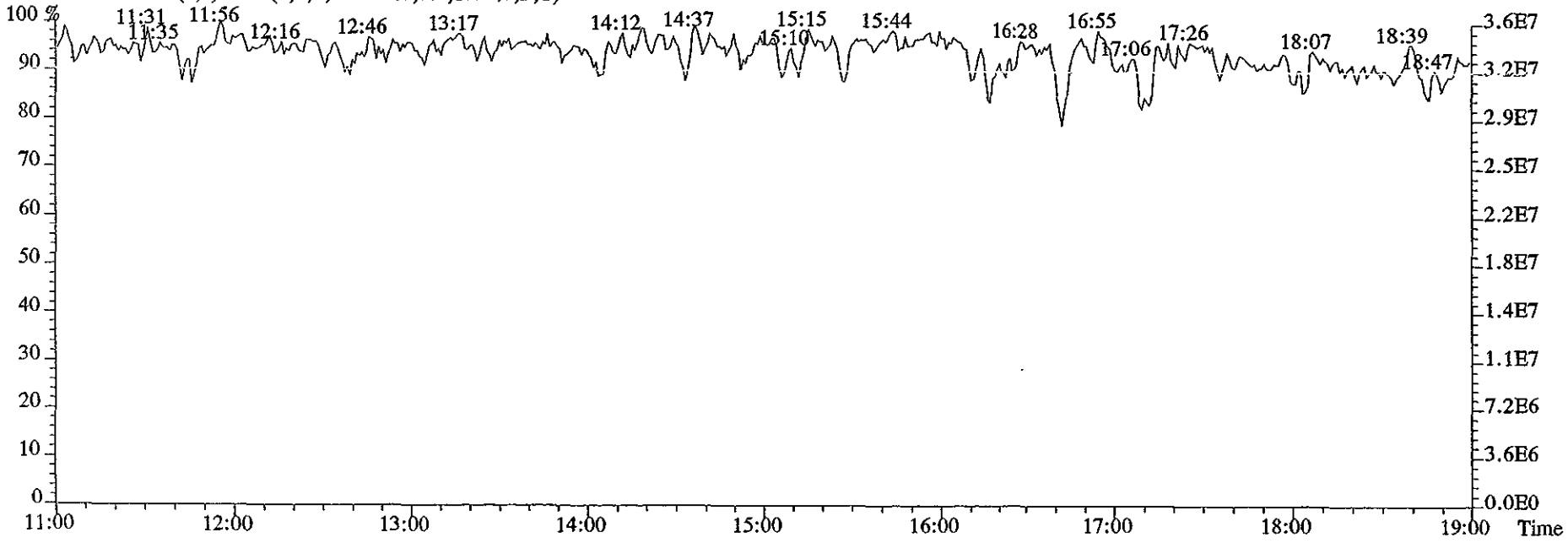
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)



File:03MY10B5D2 #1-1241 Acq: 3-MAY-2010 22:55:36 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0503A :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1328.0,1.00%,F,T)

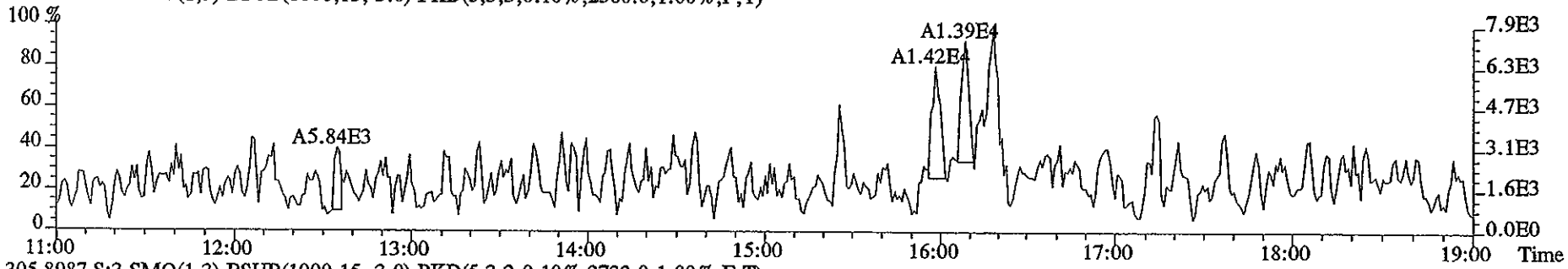


330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

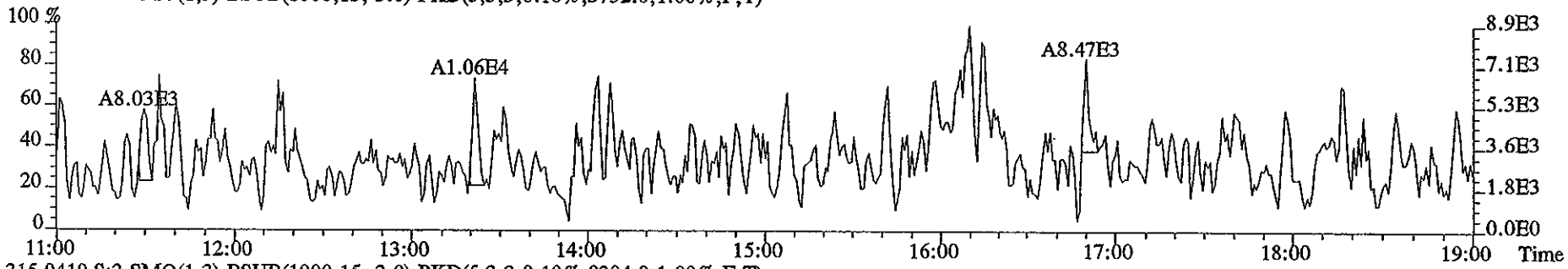


File:03MY10B5D2 #1-1242 Acq: 3-MAY-2010 23:32:45 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0503A :Solvent Blank C-14 Exp:DB225RES

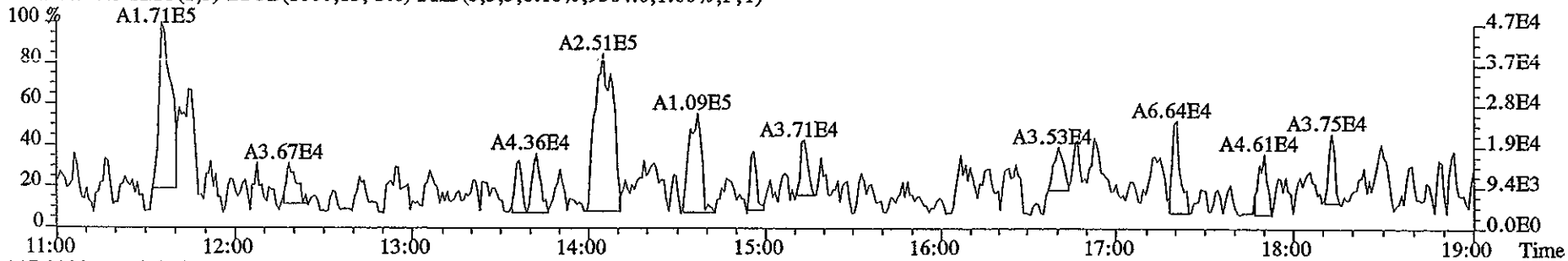
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



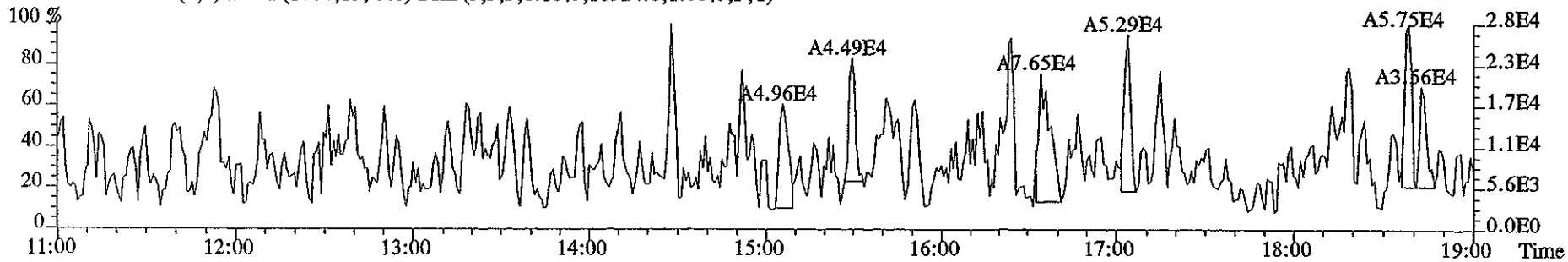
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3732.0,1.00%,F,T)



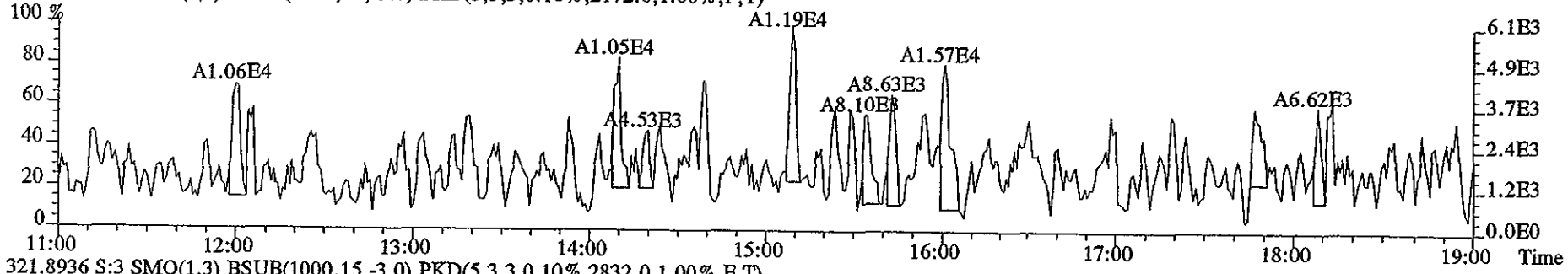
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9304.0,1.00%,F,T)



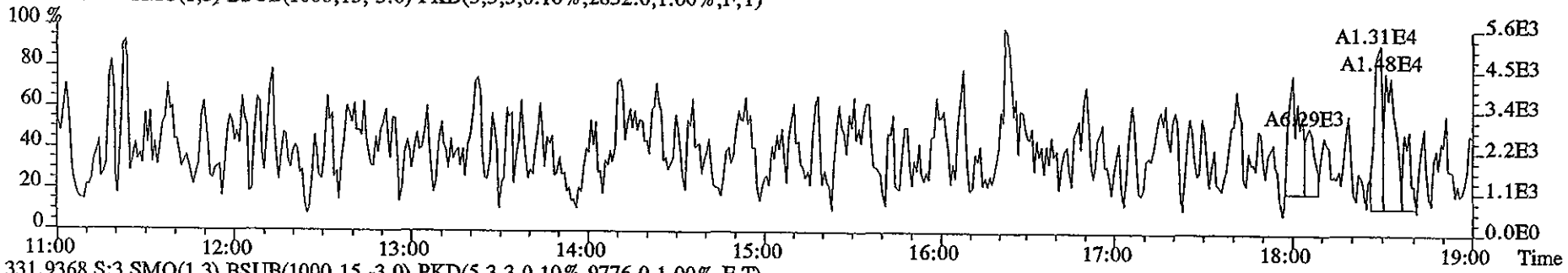
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10924.0,1.00%,F,T)



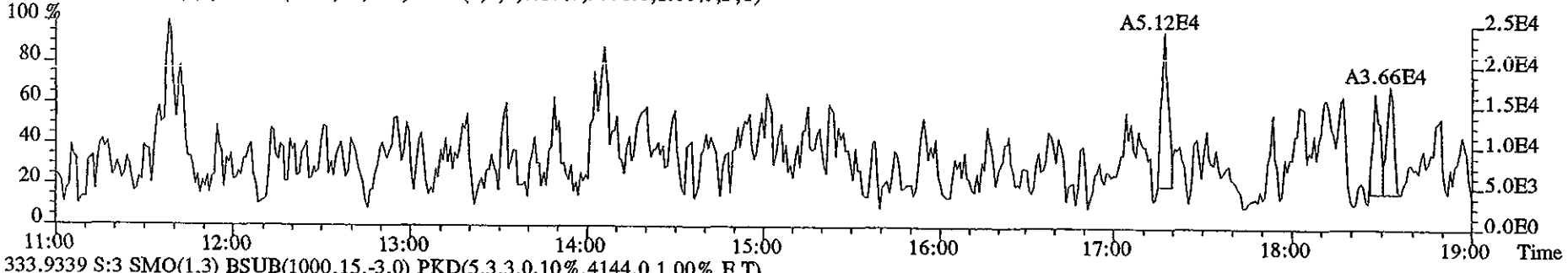
File:03MY10B5D2 #1-1242 Acq: 3-MAY-2010 23:32:45 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0503A :Solvent Blank C-14 Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2172.0,1.00%,F,T)



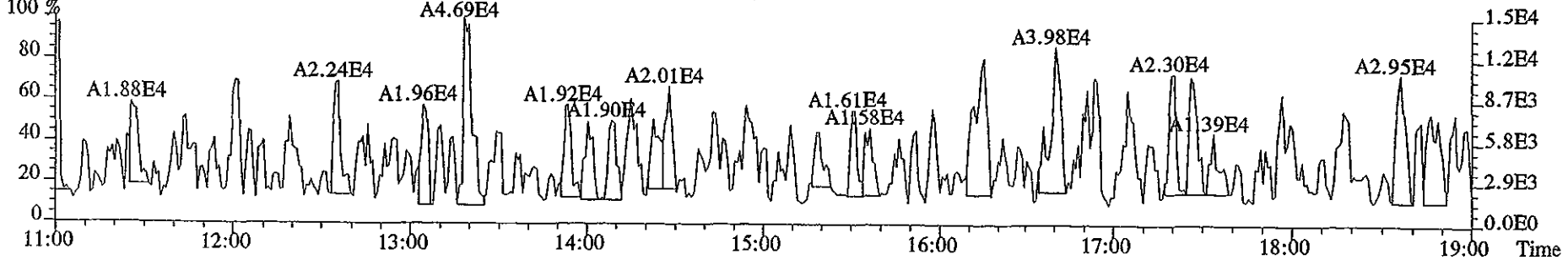
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)

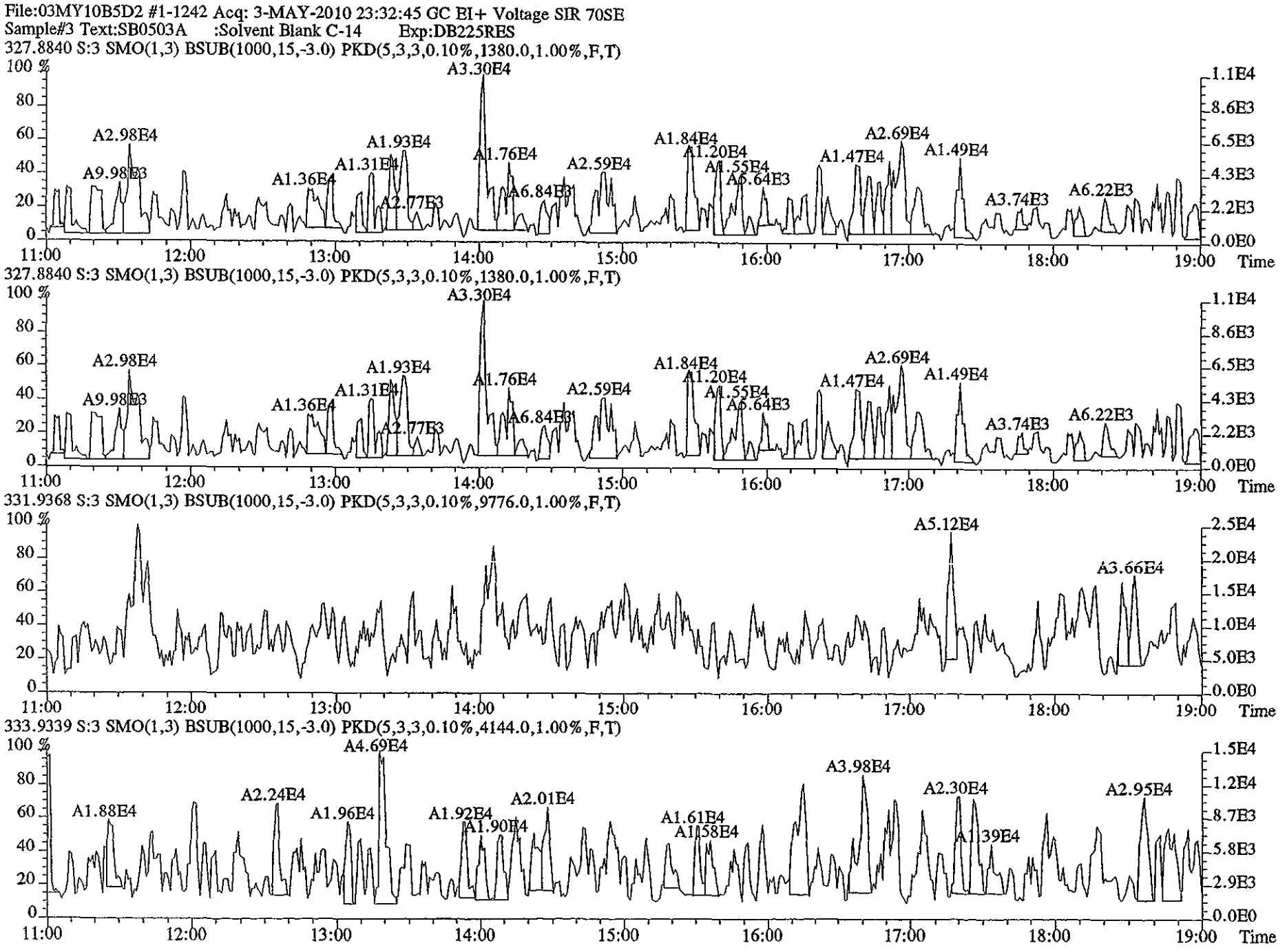


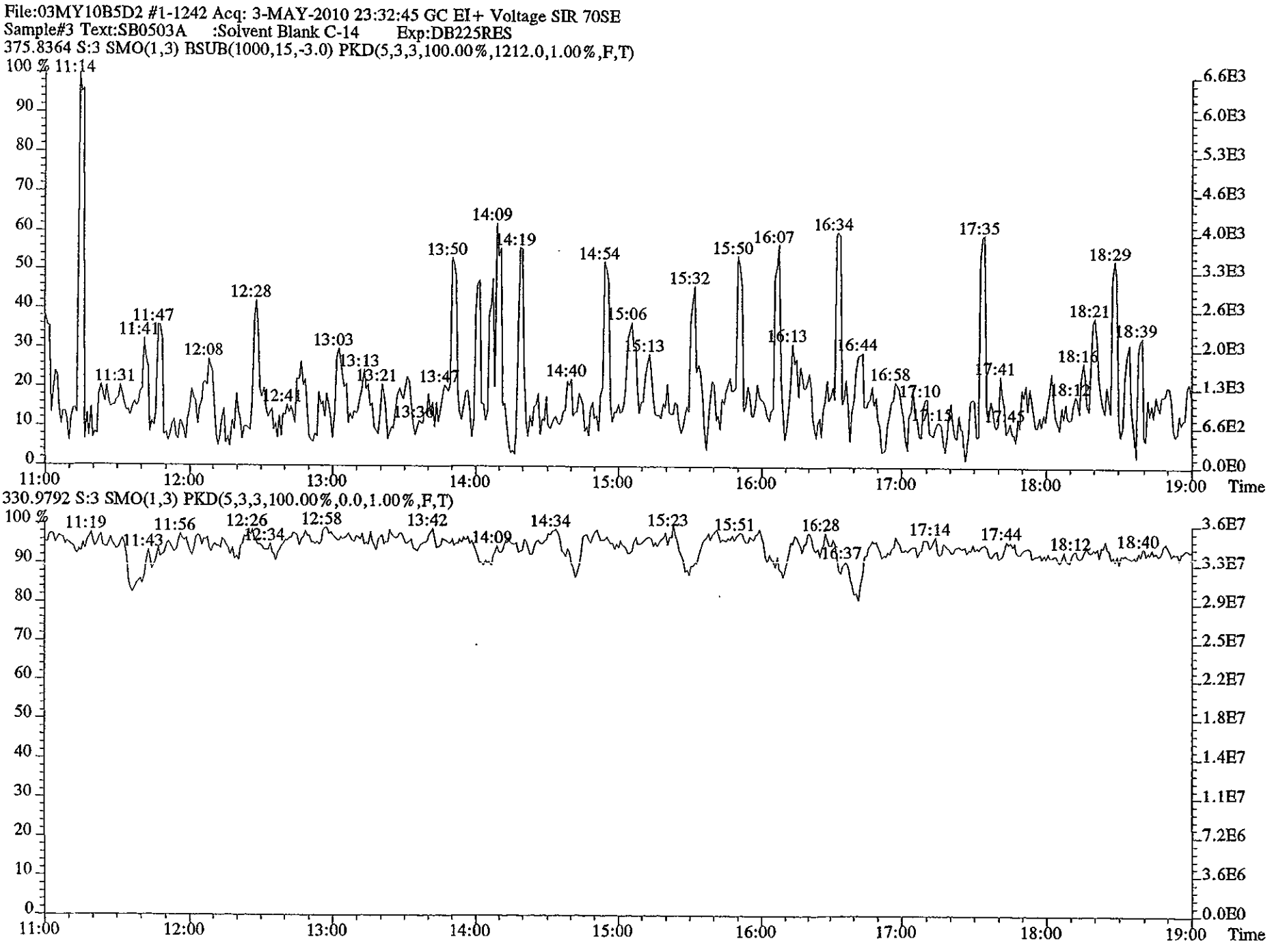
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9776.0,1.00%,F,T)



333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4144.0,1.00%,F,T)

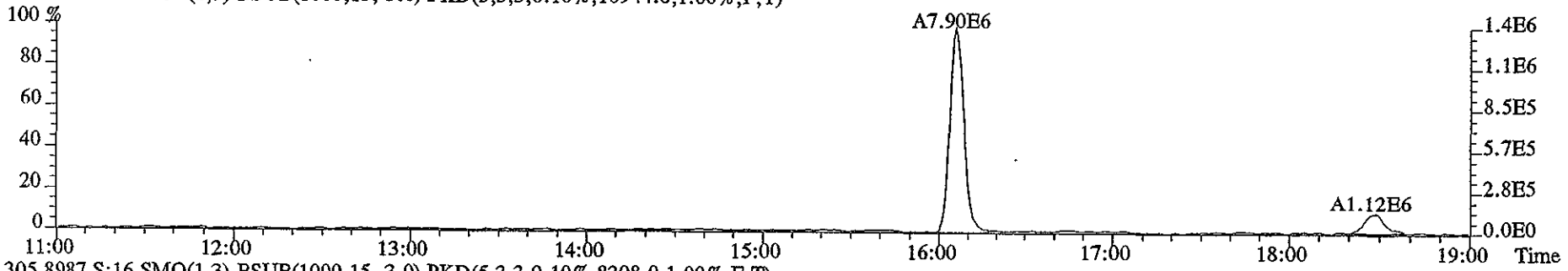




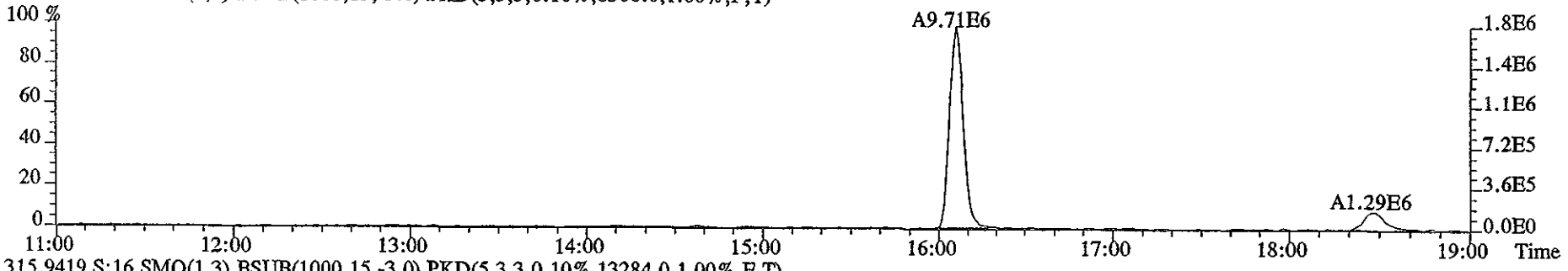


File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0503C :CS3 10DXN111 Exp:DB225RES

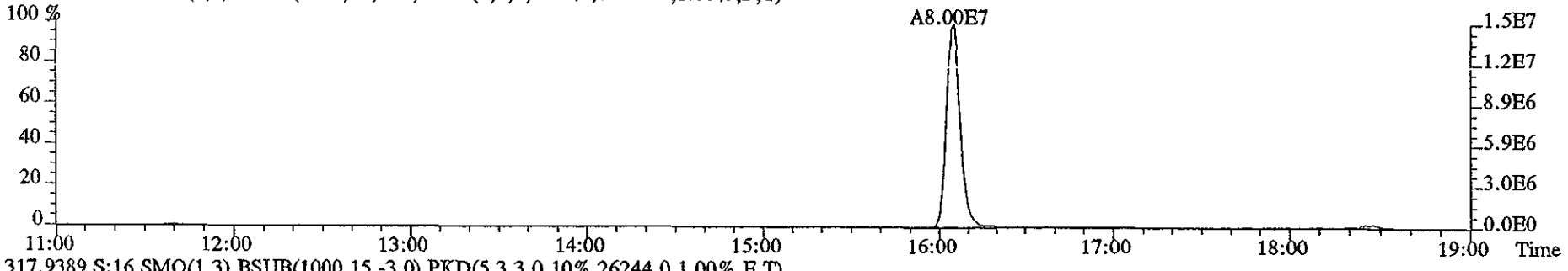
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10944.0,1.00%,F,T)



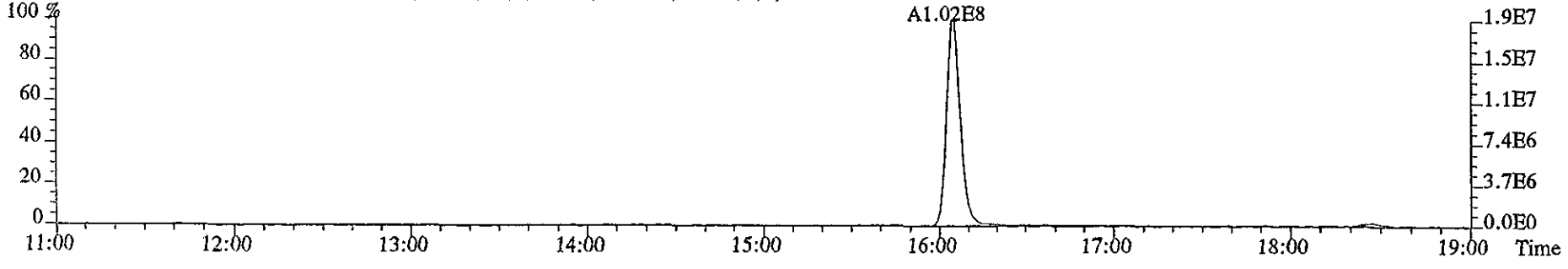
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8308.0,1.00%,F,T)



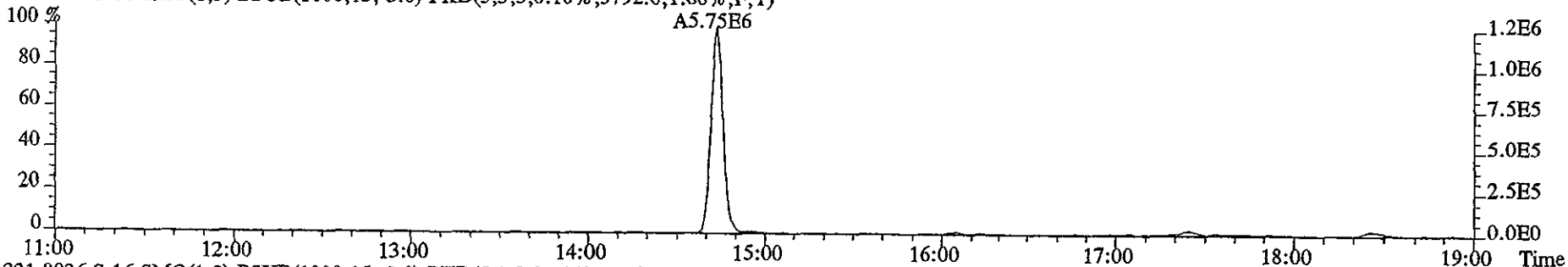
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13284.0,1.00%,F,T)



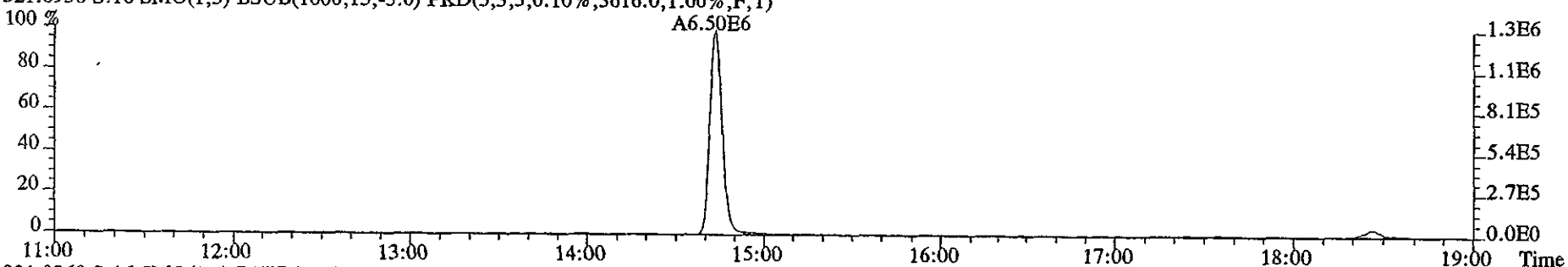
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26244.0,1.00%,F,T)



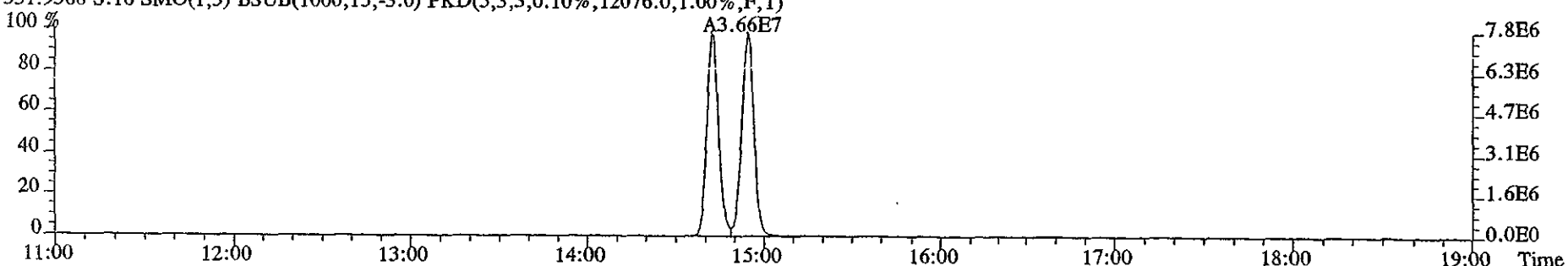
File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0503C :CS3 10DXN111 Exp:DB225RES
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3792.0,1.00%,F,T)



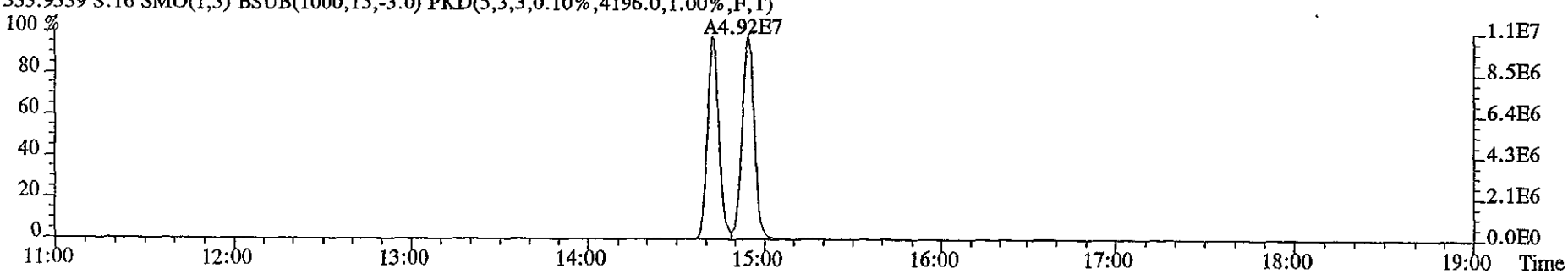
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3616.0,1.00%,F,T)



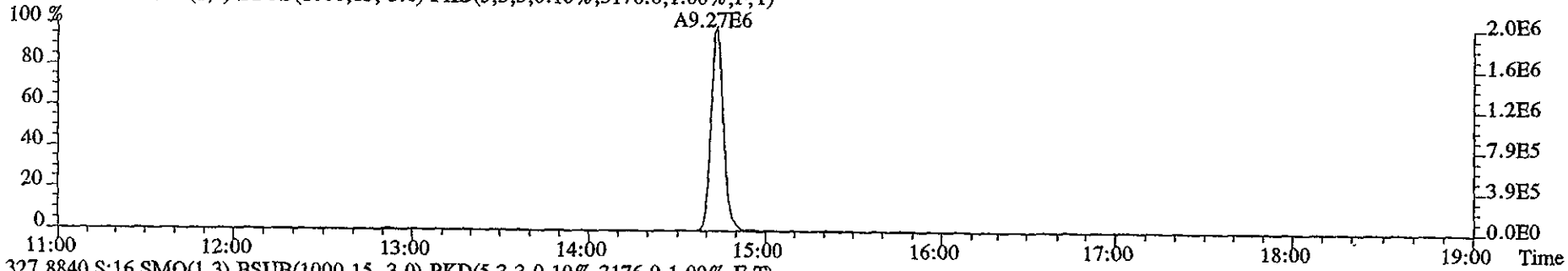
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12076.0,1.00%,F,T)



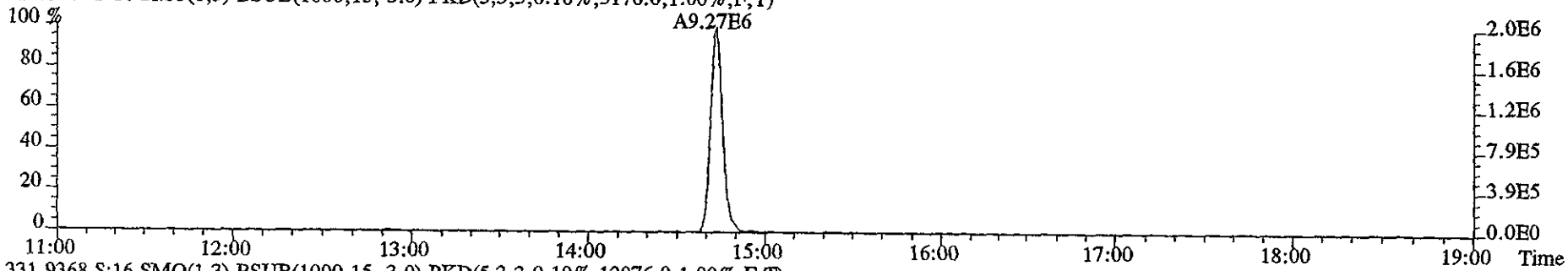
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4196.0,1.00%,F,T)



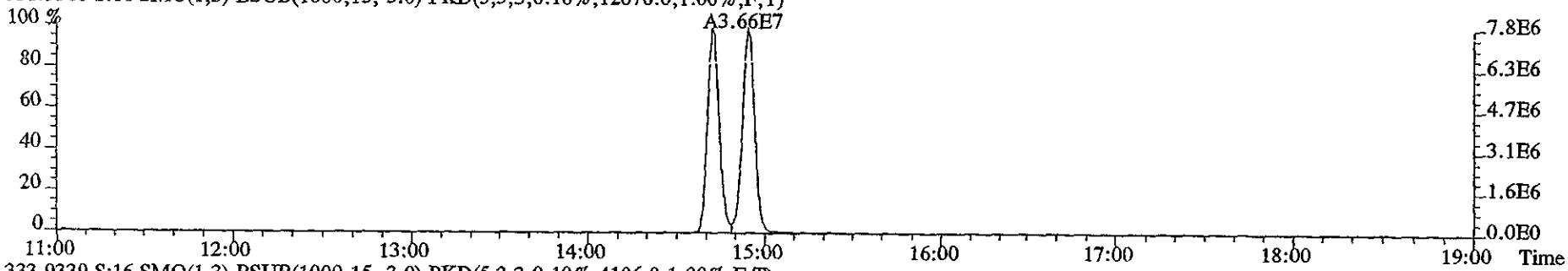
File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0503C :CS3 10DXN111 Exp:DB225RES
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)



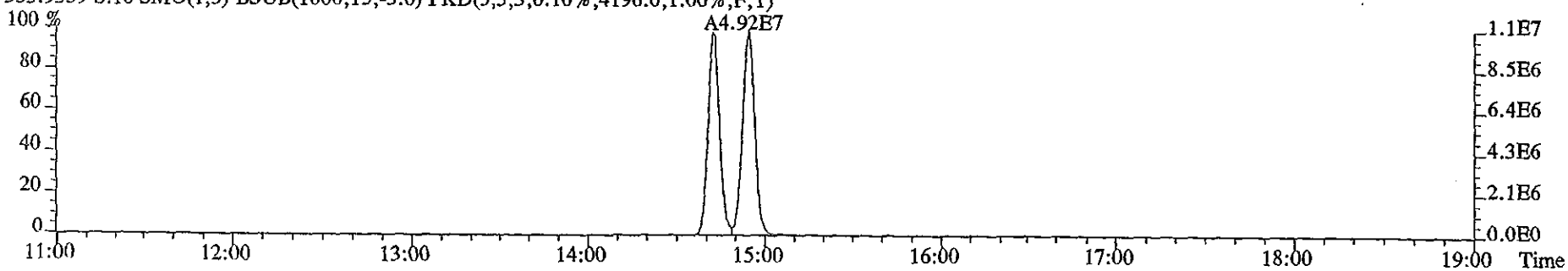
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)



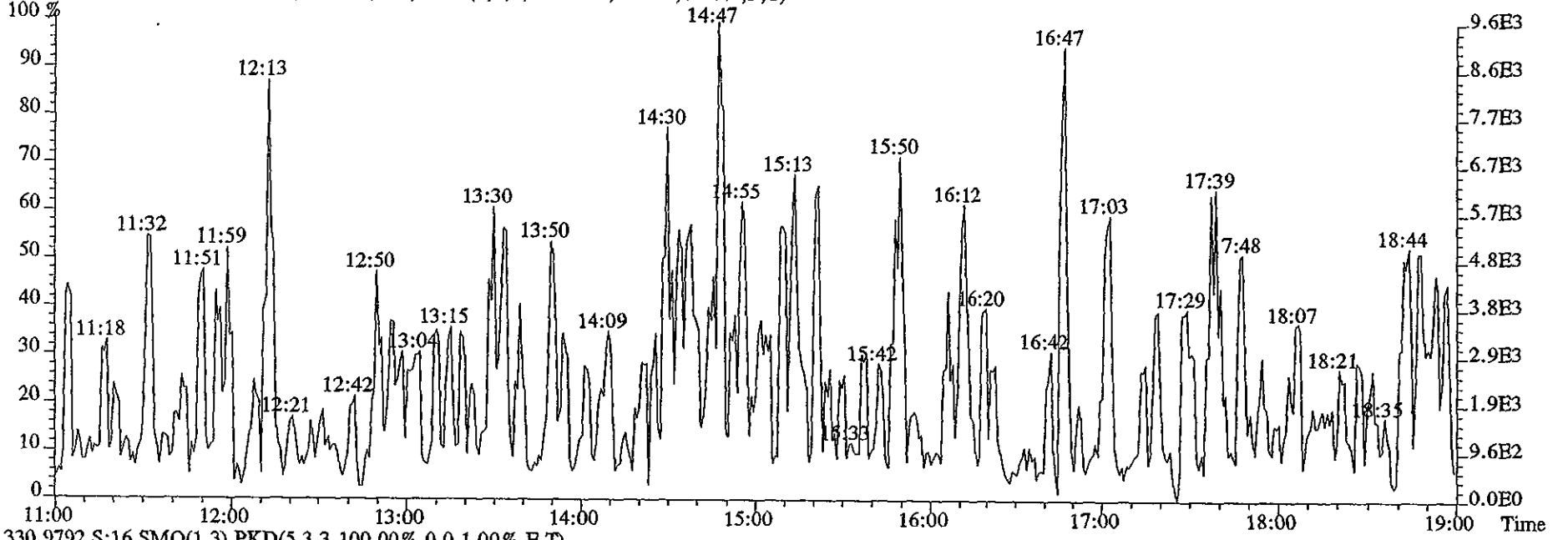
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12076.0,1.00%,F,T)



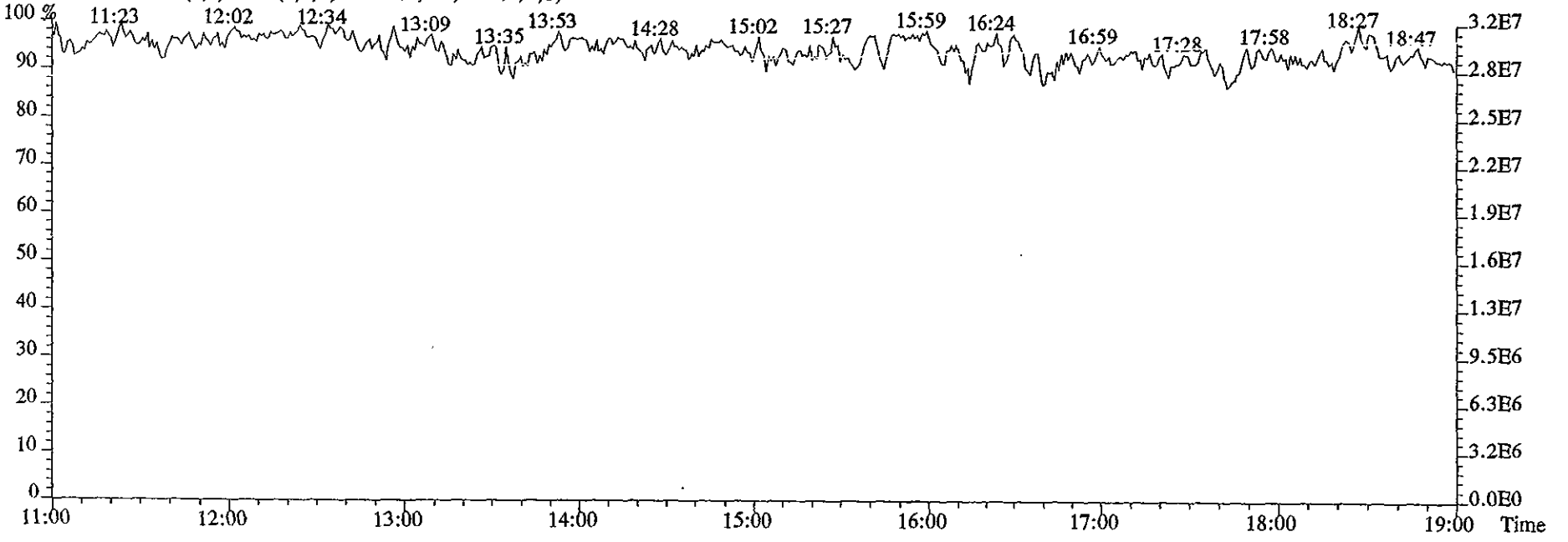
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4196.0,1.00%,F,T)



File:03MY10B5D2 #1-1242 Acq: 4-MAY-2010 07:34:48 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0503C :CS3 10DXN111 Exp:DB225RES
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1320.0,1.00%,F,T)



330.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290A | Associated ICAL 8290A 041210405

Column ID DB5 | Instrument ID 4D5

STD ID STO507B, STO507C | STD Solution 10DXN126

Analyzed by KSS | Date Analyzed 05-08-10, 05-09-10

Std. Pkg. By AB | Date Std. Pkg. Assembled 05-10-10

Std. Pkg. Reviewed By KSS | Date Std. Pkg. Reviewed 05-10-10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0507B File text: ST0507B :CS3 10DXN126
Run #36 Filename 07MY104D5 S: 35 I: 1
Acquired: 8-MAY-10 11:43:45 Processed: 8-MAY-10 12:39:56
Run: 07MY104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 07MY104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	99675648	0.79 y	19:28	-	100.00	-	n
13C-2,3,7,8-TCDF	154754344	0.79 y	18:53	1.55	100.00	2.1	n
2,3,7,8-TCDF	15443919	0.76 y	18:54	1.00	10.00	5.6	n
Total TCDF	15556924	0.23 n	17:52	1.00	10.00	5.6	n
13C-2,3,7,8-TCDD	99952812	0.79 y	19:39	1.00	100.00	5.6	n
2,3,7,8-TCDD	9962554	0.76 y	19:40	1.00	10.00	-2.4	n
Total TCDD	9962554	0.76 y	19:40	1.00	10.00	-2.4	n
37Cl-2,3,7,8-TCDD	22739090	1.00 y	19:40	2.28	10.00	0.9	n
13C-1,2,3,7,8-PeCDF	99386140	1.57 y	24:31	1.00	100.00	-5.1	n
1,2,3,7,8-PeCDF	53576648	1.55 y	24:32	1.08	50.00	3.2	n
2,3,4,7,8-PeCDF	51380496	1.55 y	26:01	1.03	50.00	5.3	n
Total F2 PeCDF	105832915	2.16 n	22:60	1.06	100.00	4.2	n
Total F1 PeCDF	26406	0.17 n	15:49	1.06	100.00	4.2	n
13C-1,2,3,7,8-PeCDD	70532292	1.54 y	26:48	0.71	100.00	5.5	n
1,2,3,7,8-PeCDD	34318620	1.56 y	26:51	0.97	50.00	-0.9	n
Total PeCDD	34318620	1.56 y	26:51	0.97	50.00	-0.9	n
13C-1,2,3,7,8,9-HxCDD	73052932	1.27 y	33:04	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	70474810	0.53 y	31:54	0.96	100.00	-5.9	n
1,2,3,4,7,8-HxCDF	46500154	1.27 y	31:54	1.32	50.00	8.8	n
1,2,3,6,7,8-HxCDF	53994912	1.23 y	32:02	1.53	50.00	14.1	n
2,3,4,6,7,8-HxCDF	48005294	1.24 y	32:35	1.36	50.00	11.5	n
1,2,3,7,8,9-HxCDF	42066540	1.25 y	33:15	1.19	50.00	9.3	n
Total HxCDF	190566900	1.27 y	31:54	1.35	200.00	11.0	n
13C-1,2,3,6,7,8-HxCDD	67479946	1.28 y	32:48	0.92	100.00	14.5	n
1,2,3,4,7,8-HxCDD	30963883	1.25 y	32:44	0.92	50.00	-8.8	n
1,2,3,6,7,8-HxCDD	38976774	1.28 y	32:48	1.16	50.00	3.7	n
1,2,3,7,8,9-HxCDD	39407330	1.25 y	33:05	1.17	50.00	-3.4	n
Total HxCDD	109347987	1.25 y	32:44	1.08	150.00	-2.7	n
13C-1,2,3,4,6,7,8-HpCDF	61484822	0.44 y	34:35	0.84	100.00	-2.4	n
1,2,3,4,6,7,8-HpCDF	42940458	1.01 y	34:35	1.40	50.00	6.7	n
1,2,3,4,7,8,9-HpCDF	35221432	1.03 y	35:42	1.15	50.00	11.7	n
Total HpCDF	78161890	1.01 y	34:35	1.27	100.00	8.9	n
13C-1,2,3,4,6,7,8-HpCDD	57044858	1.05 y	35:23	0.78	100.00	12.0	n
1,2,3,4,6,7,8-HpCDD	30890508	1.02 y	35:24	1.08	50.00	1.0	n
Total HpCDD	31040716	0.97 y	34:51	1.08	50.00	1.0	n
13C-OCDD	85298908	0.91 y	37:53	0.58	200.00	9.9	n
OCDF	61862212	0.92 y	38:00	1.45	100.00	0.4	n
OCDD	51107460	0.89 y	37:53	1.20	100.00	2.7	n

Run text: ST0507C File text: ST0507C :CS3 10DXN126
Run #51 Filename 07MY104D5 S: 52 I: 1
Acquired: 9-MAY-10 00:12:28 Processed: 9-MAY-10 10:43:03
Run: 07MY104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 07MY104D58290A

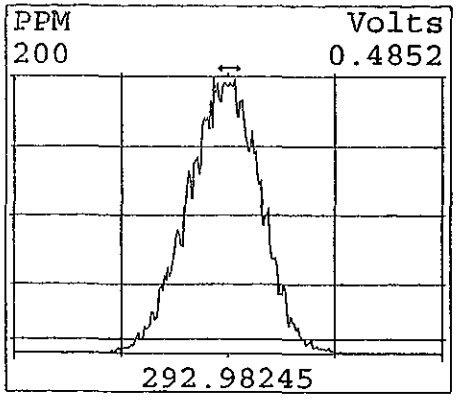
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	95346656	0.81 y	19:26	-	100.00	-	n
13C-2,3,7,8-TCDF	157975056	0.79 y	18:52	1.66	100.00	9.0	n
2,3,7,8-TCDF	15953088	0.77 y	18:54	1.01	10.00	6.8	n
Total TCDF	16130636	0.70 y	17:02	1.01	10.00	6.8	n
13C-2,3,7,8-TCDD	96393524	0.79 y	19:39	1.01	100.00	6.5	n
2,3,7,8-TCDD	9254967	0.75 y	19:40	0.96	10.00	-6.0	n
Total TCDD	9307855	0.75 y	19:40	0.96	10.00	-6.0	n
37Cl-2,3,7,8-TCDD	21441172	1.00 y	19:40	2.25	10.00	-0.6	n
13C-1,2,3,7,8-PeCDF	99604076	1.55 y	24:30	1.04	100.00	-0.5	n
1,2,3,7,8-PeCDF	53205848	1.58 y	24:32	1.07	50.00	2.3	n
2,3,4,7,8-PeCDF	52035676	1.58 y	26:01	1.04	50.00	6.4	n
Total F2 PeCDF	106786697	1.16 n	23:00	1.06	100.00	4.3	n
Total F1 PeCDF	33178	1.63 y	20:16	1.06	100.00	4.3	n
13C-1,2,3,7,8-PeCDD	72237730	1.53 y	26:48	0.76	100.00	13.0	n
1,2,3,7,8-PeCDD	34732109	1.57 y	26:50	0.96	50.00	-2.1	n
Total PeCDD	34732109	1.57 y	26:50	0.96	50.00	-2.1	n
13C-1,2,3,7,8,9-HxCDD	72832458	1.27 y	33:04	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	71733784	0.53 y	31:53	0.98	100.00	-3.9	n
1,2,3,4,7,8-HxCDF	46358636	1.24 y	31:54	1.29	50.00	6.6	n
1,2,3,6,7,8-HxCDF	52214248	1.26 y	32:01	1.46	50.00	8.4	n
2,3,4,6,7,8-HxCDF	47066216	1.25 y	32:35	1.31	50.00	7.4	n
1,2,3,7,8,9-HxCDF	41886808	1.25 y	33:14	1.17	50.00	6.9	n
Total HxCDF	187525908	1.24 y	31:54	1.31	200.00	7.4	n
13C-1,2,3,6,7,8-HxCDD	65287328	1.27 y	32:47	0.90	100.00	11.1	n
1,2,3,4,7,8-HxCDD	29985768	1.25 y	32:44	0.92	50.00	-8.8	n
1,2,3,6,7,8-HxCDD	37333395	1.29 y	32:48	1.14	50.00	2.7	n
1,2,3,7,8,9-HxCDD	38312276	1.28 y	33:04	1.17	50.00	-2.9	n
Total HxCDD	105837608	1.25 y	32:44	1.08	150.00	-2.8	n
13C-1,2,3,4,6,7,8-HpCDF	59545612	0.43 y	34:35	0.82	100.00	-5.2	n
1,2,3,4,6,7,8-HpCDF	41488264	1.00 y	34:35	1.39	50.00	6.4	n
1,2,3,4,7,8,9-HpCDF	34390796	1.00 y	35:42	1.16	50.00	12.6	n
Total HpCDF	75879060	1.00 y	34:35	1.27	100.00	9.1	n
13C-1,2,3,4,6,7,8-HpCDD	56038538	1.05 y	35:23	0.77	100.00	10.3	n
1,2,3,4,6,7,8-HpCDD	30040433	1.03 y	35:23	1.07	50.00	0.0	n
Total HpCDD	30144216	0.84 n	34:50	1.07	50.00	0.0	n
13C-OCDD	86175736	0.93 y	37:53	0.59	200.00	11.3	n
OCDF	63128388	0.93 y	37:60	1.47	100.00	1.4	n
OCDD	51099342	0.90 y	37:53	1.19	100.00	1.7	n

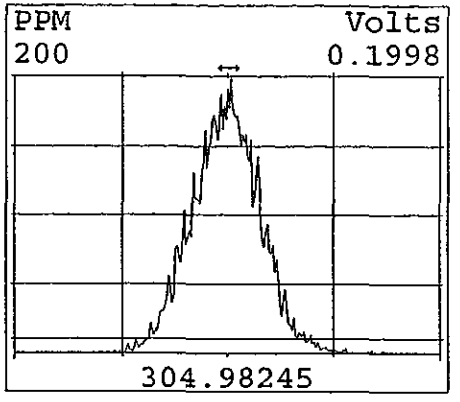
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
07MY104D5	1	ST0507	CS3 10DXN111				1.00000	
07MY104D5	2	CP0507	DB-5 CPSM 3732-05				1.00000	
07MY104D5	3	SB0507	Solvent Blank C-14				1.00000	
07MY104D5	4	L01AK-1-AAB	G0E040000-412 [561-1MB]	20	8290/WATER	92	1.00000	L
07MY104D5	5	L01AK-1-ACC	G0E040000-412 [561-1LCS]	20	8290/WATER		1.00000	L
07MY104D5	6	L0VQD-1-AC	G0D300651-21	20	8290/WATER		1.01610	L
07MY104D5	7	L0VQE-1-AC	G0D300651-22	20	8290/WATER		1.01910	L
07MY104D5	8	L00V1-1-ACC	G0D300651-1LCS	20	8290/SOLID		10.00000	g
07MY104D5	9	L00V1-1-AAB	G0D300651-1MB	20	8290/SOLID		10.00000	g
07MY104D5	10	L0VPN-1-AD	G0D300651-1	20	8290/SOLID		10.94000	g
07MY104D5	11	L0VPP-1-AD	G0D300651-2	20	8290/SOLID		10.64000	g
07MY104D5	12	L0VPQ-1-AD	G0D300651-3	20	8290/SOLID		10.59000	g
07MY104D5	13	L0VPR-1-AD	G0D300651-4	20	8290/SOLID		10.45000	g
07MY104D5	14	L0VPT-1-AD	G0D300651-5	20	8290/SOLID		10.00000	g
07MY104D5	15	L0VPV-1-AD	G0D300651-6	20	8290/SOLID		10.12000	g
07MY104D5	16	L0VPW-1-AD	G0D300651-7	20	8290/SOLID		10.89000	g
07MY104D5	17	SB0507A	Solvent Blank C-14				1.00000	
07MY104D5	18	ST0507A	CS3 10DXN111				1.00000	
07MY104D5	19	CP0507A	DB-5 CPSM 3732-05				1.00000	
07MY104D5	20	SB0507B	Solvent Blank C-14				1.00000	
07MY104D5	21	L0VPX-1-AD	G0D300651-8	20	8290/SOLID	92	10.26000	g
07MY104D5	22	L0VP0-1-AD	G0D300651-9	20	8290/SOLID		10.25000	g
07MY104D5	23	L0VP1-1-AD	G0D300651-10	20	8290/SOLID		10.63000	g
07MY104D5	24	L0VP2-1-AD	G0D300651-11	20	8290/SOLID		10.10000	g
07MY104D5	25	L0VP3-1-AD	G0D300651-12	20	8290/SOLID		10.24000	g
07MY104D5	26	L0VP4-1-AD	G0D300651-13	20	8290/SOLID		10.57000	g
07MY104D5	27	L0VP5-1-AD	G0D300651-14	20	8290/SOLID		10.16000	g
07MY104D5	28	L0VP6-1-AD	G0D300651-15	20	8290/SOLID		10.17000	g
07MY104D5	29	L0VP7-1-AD	G0D300651-16	20	8290/SOLID		10.00000	g
07MY104D5	30	L0VP8-1-AD	G0D300651-17	20	8290/SOLID		10.74000	g
07MY104D5	31	L0VP9-1-AD	G0D300651-18	20	8290/SOLID		10.01000	g
07MY104D5	32	L0VQA-1-AD	G0D300651-19	20	8290/SOLID		10.05000	g
07MY104D5	33	L0VQC-1-AD	G0D300651-20	20	8290/SOLID		10.00000	g
07MY104D5	34	SB0507C	Solvent Blank C-14				1.00000	
07MY104D5	35	ST0507B	CS3 10DXN126				1.00000	
07MY104D5	36	CP0507B	DB-5 CPSM 3732-05				1.00000	
07MY104D5	37	SB0507D	Solvent Blank C-14				1.00000	
07MY104D5	38	LX5XK-1-AC	G0D170485-1	10	8290/SOLID	77	10.09000	g
07MY104D5	39	LX5XP-1-AC	G0D170485-5	10	8290/SOLID		10.08000	g
07MY104D5	40	LX5XR-1-AC	G0D170485-6	10	8290/SOLID		10.14000	g
07MY104D5	41	LX5X6-1-AE	G0D170485-15	10	8290/SOLID	80	10.24000	g
07MY104D5	42	LX50A-1-AE	G0D170485-18	10	8290/SOLID		10.55000	g
07MY104D5	43	LX525-1-AD	G0D170492-2	10	8290/SOLID	79	10.28000	g
07MY104D5	44	LX53G-1-AD	G0D170492-12	10	8290/SOLID		10.23000	g
07MY104D5	45	LX732-1-AC	G0D200427-9	10	8290/SOLID		10.24000	g
07MY104D5	46	LX74C-1-AC	G0D200427-11	10	8290/SOLID		10.14000	g
07MY104D5	47	LX74K-1-AC	G0D200427-13	10	8290/SOLID		10.16000	g
07MY104D5	48	LX74R-1-AC	G0D200427-15	10	8290/SOLID		10.13000	g
07MY104D5	49	LX743-1-AC	G0D200427-17	10	8290/SOLID		10.35000	g
07MY104D5	50	SB0507E	Solvent Blank C-14				1.00000	
07MY104D5	51	QC0506	1613/8290 CRS 10DXN143	20	1613/8290/QC	QC52	1.00000	QC
07MY104D5	52	ST0507C	CS3 10DXN126				1.00000	
07MY104D5	53	CP0507C	DB-5 CPSM 3732-05 - LOST LOCK - BAD INJECTION				1.00000	

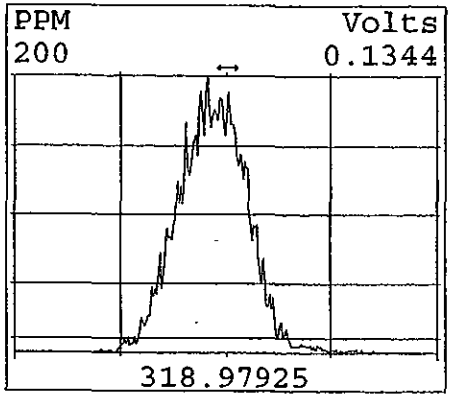
07MY104D5	54	SB0507F	~~Solvent Blank C-14~~				1.00000
07MY104D5	55	L0GXR-1-AAB	G0D240000-086 (503-12MB)	20	8290/SOLID	82	10.00000 g
07MY104D5	56	L0GXR-1-ACC	G0D240000-086 (503-LCS)	20	8290/SOLID		10.00000 g
07MY104D5	57	LX8PM-1-AC	F0D200503-12	20	8290/SOLID		10.01000 g
7MY104D5	58	LX8PN-1-AC	F0D200503-13	20	8290/SOLID		10.12500 g
07MY104D5	59	LX8PQ-1-AC	F0D200503-14	20	8290/SOLID		10.10000 g
07MY104D5	60	LX8PW-1-AC	F0D200503-15 RA	20	8290/SOLID		10.06000 g
07MY104D5	61	LX8P2-1-AC	F0D200503-16	20	8290/SOLID		10.15500 g
07MY104D5	62	LX8P2-1-AGS	F0D200503-16S	20	8290/SOLID		10.10500 g
07MY104D5	63	LX8P2-1-AHD	F0D200503-16D	20	8290/SOLID		10.16000 g
07MY104D5	64	LX8RR-1-AC	F0D200503-17	20	8290/SOLID		10.08000 g
07MY104D5	65	LX8TV-1-CG	F0D200503-18	20	8290/SOLID		10.01000 g
07MY104D5	66	SB0507G	~~Solvent Blank C-14~~				1.00000
~~07MY104D5~~	~~67~~	~~ST0507D~~	~~CS3 10DXN126~~ lost lock				1.00000
07MY104D5	68	CP0507D	DB-5 CPSM 3732-05				1.00000
07MY104D5	69	SB0507H	~~Solvent Blank C-14~~				1.00000
07MY104D5	70						1.00000
07MY104D5	71						1.00000
07MY104D5	72						1.00000
07MY104D5	73		KSS AS 05-07-10				1.00000
07MY104D5	74						1.00000

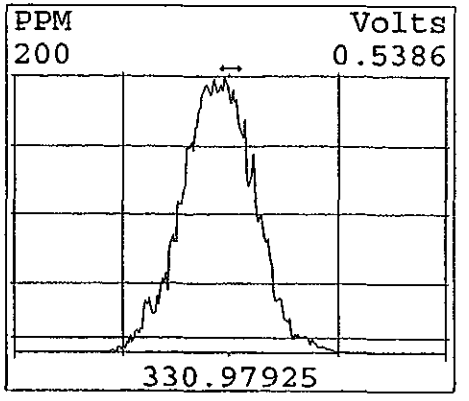
Logfile Rid
05-09-10 KSS

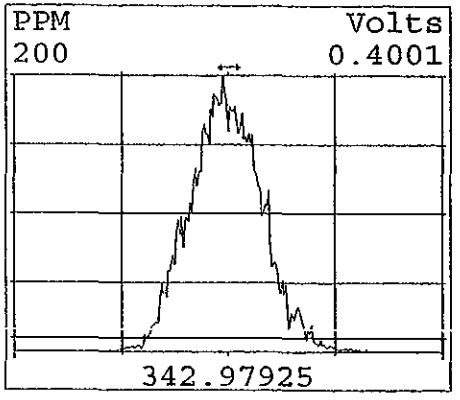
Peak Locate Examination: 7-MAY-2010:10:43 File:07MY104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

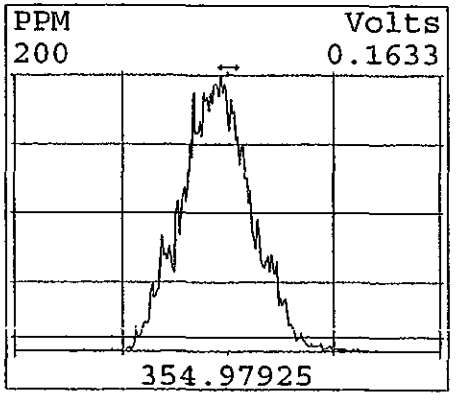


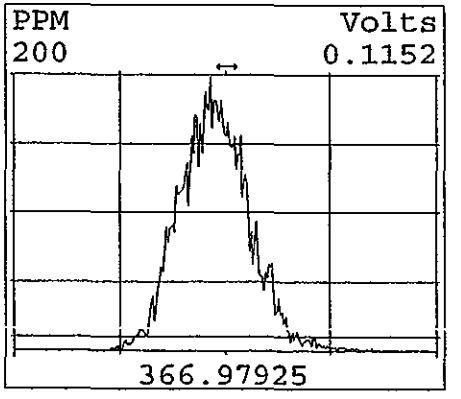


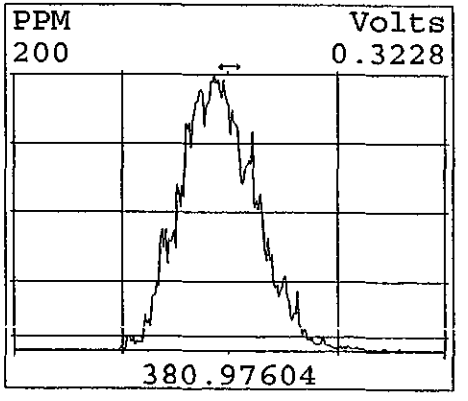


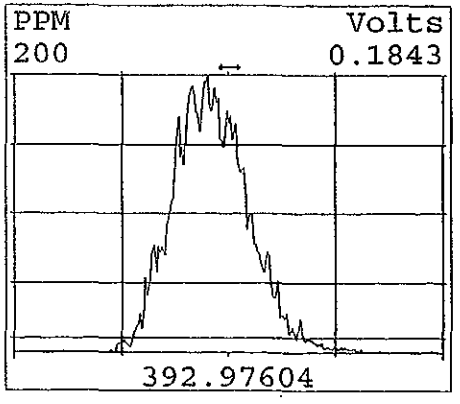


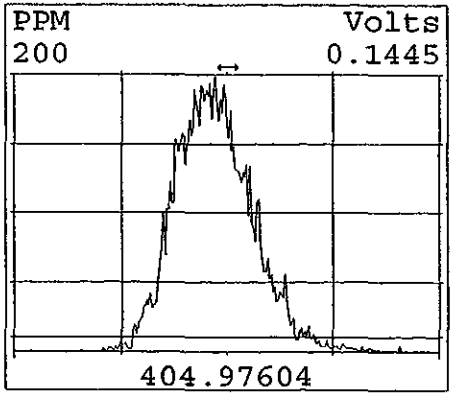


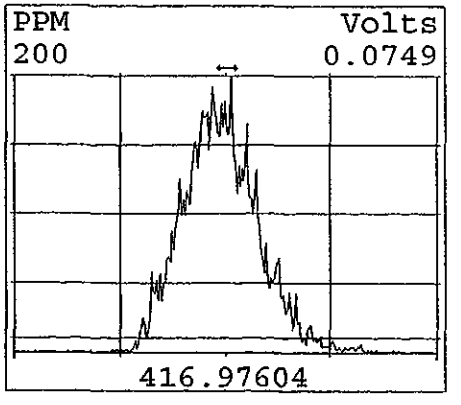




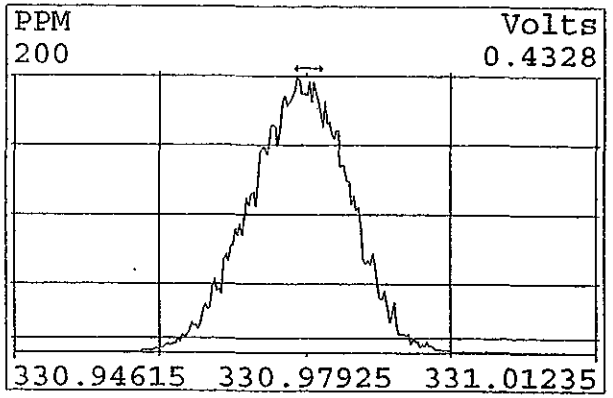


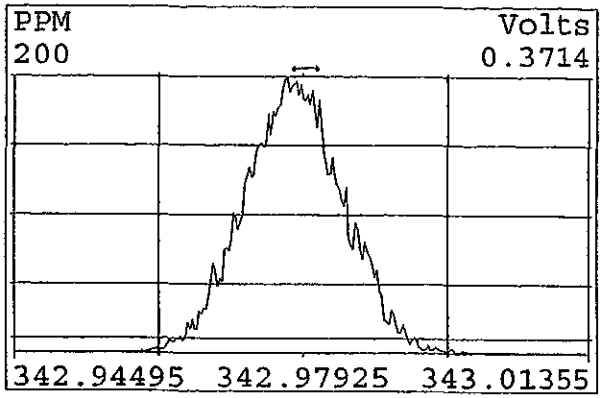


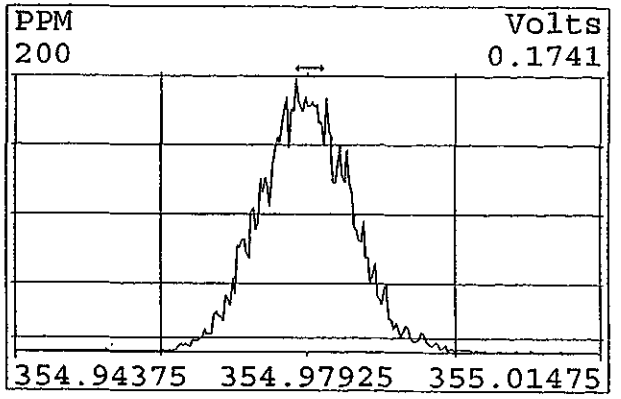


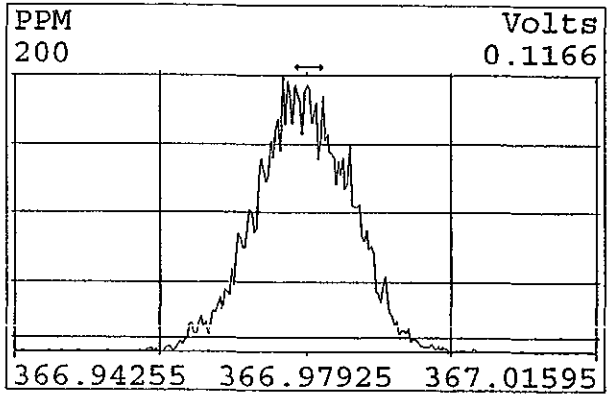


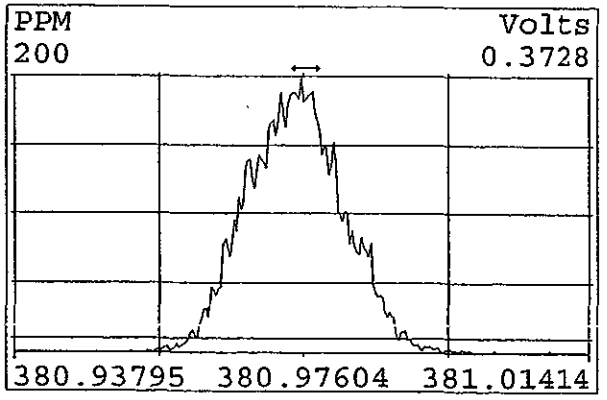
Peak Locate Examination: 7-MAY-2010:10:43 File:07MY104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

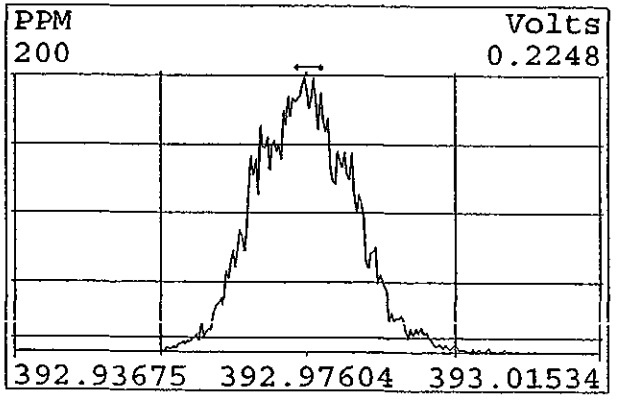


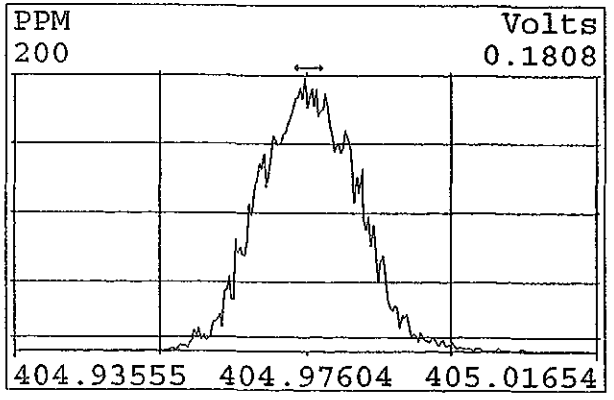


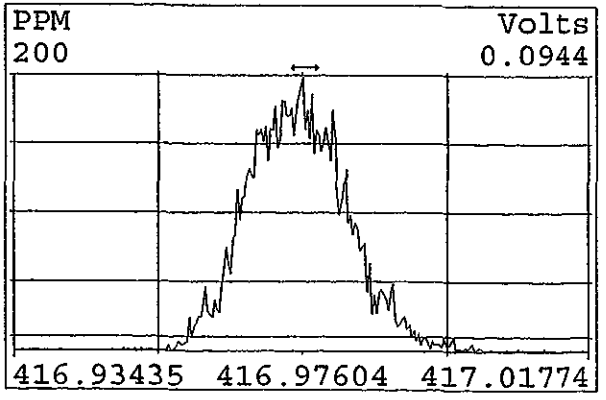




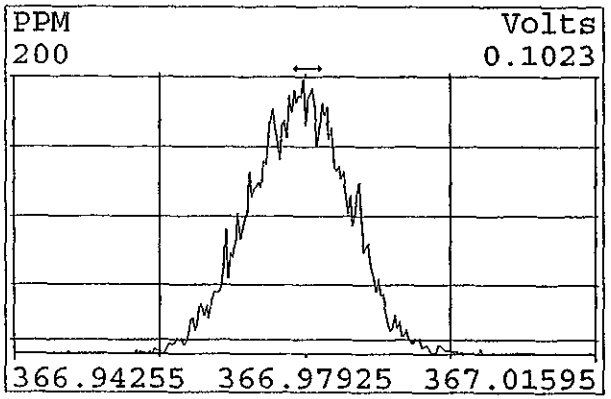


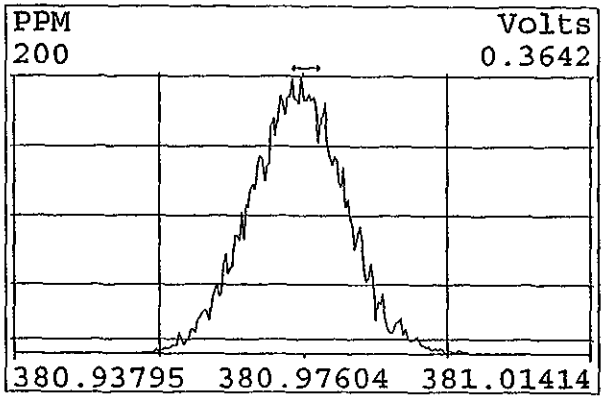


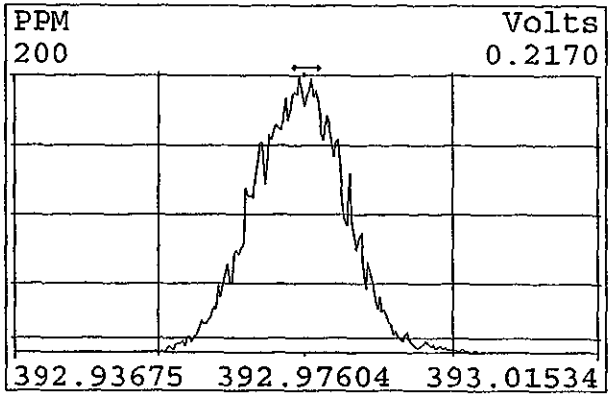


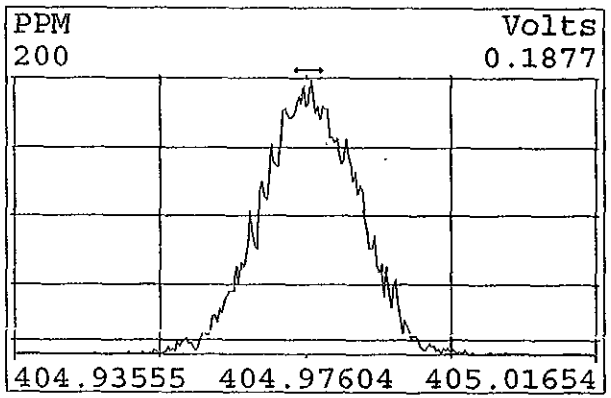


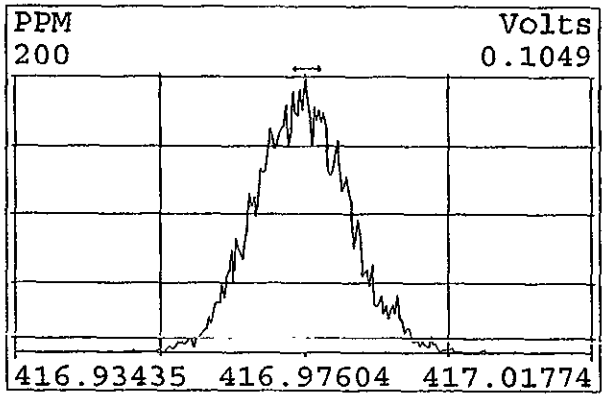
Peak Locate Examination: 7-MAY-2010:10:44 File:07MY104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

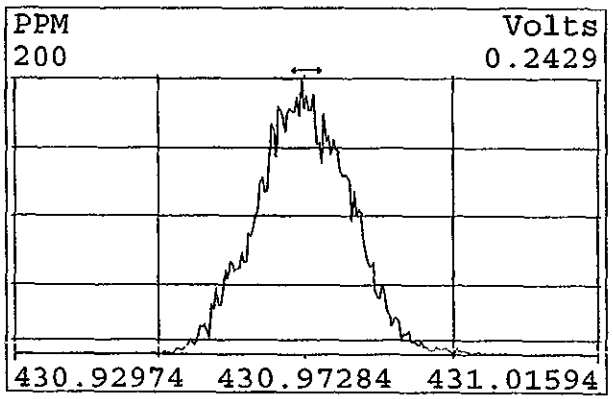


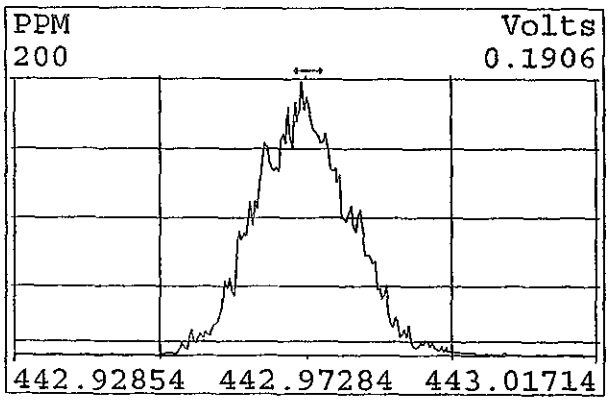


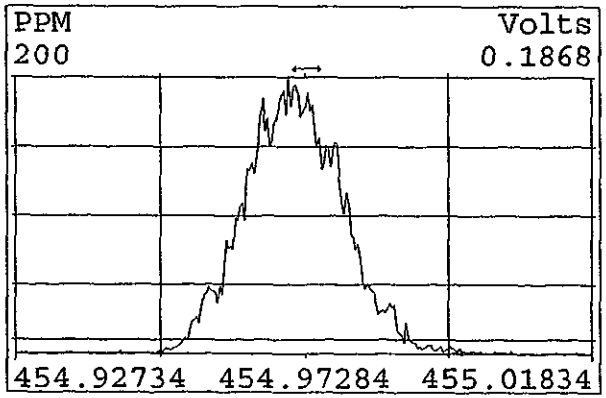




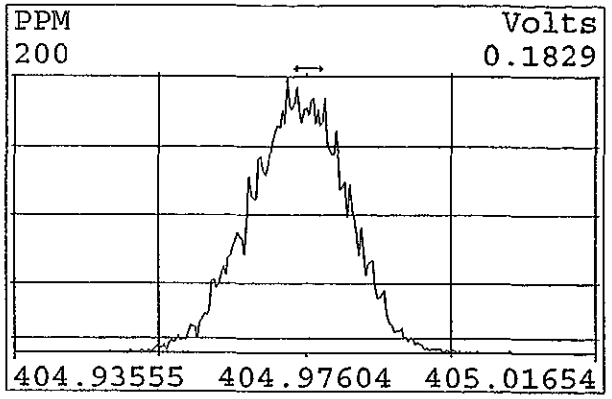


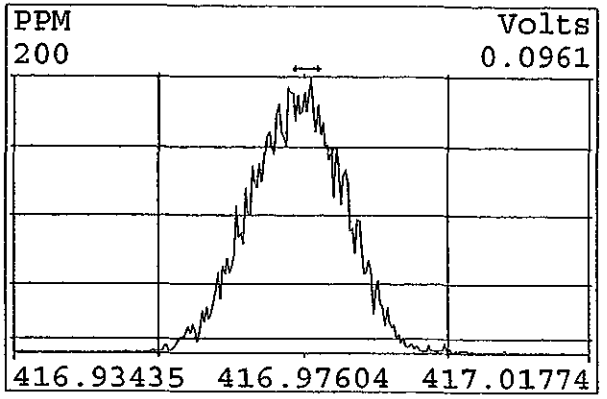


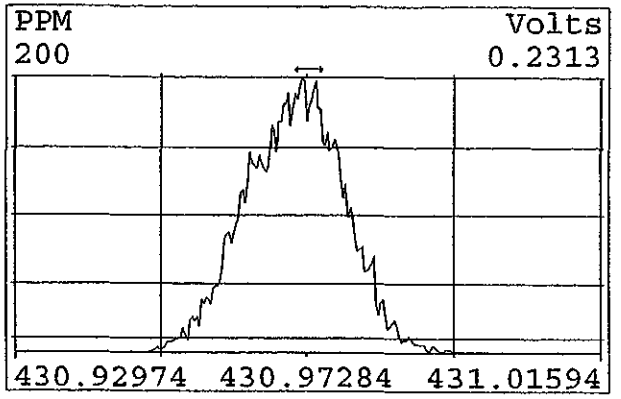


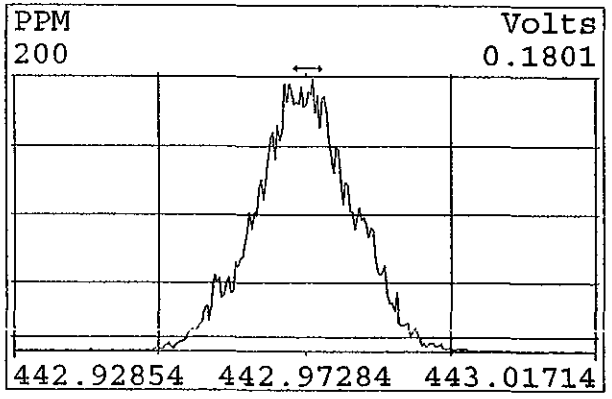


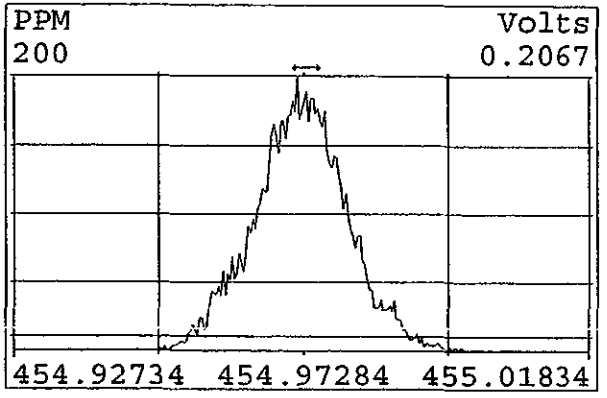
Peak Locate Examination: 7-MAY-2010:10:44 File:07MY104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

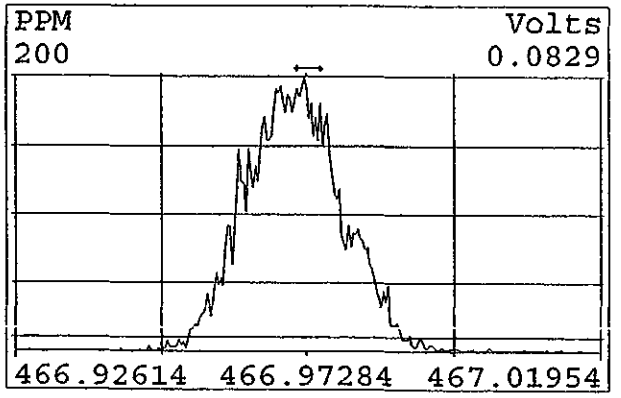


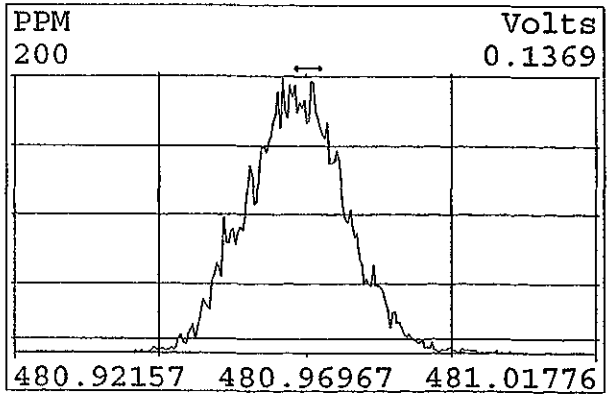




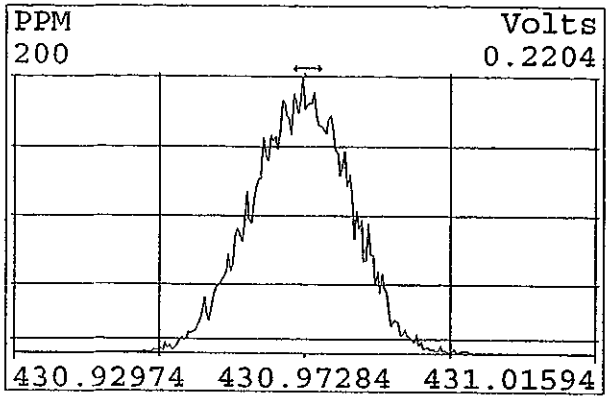


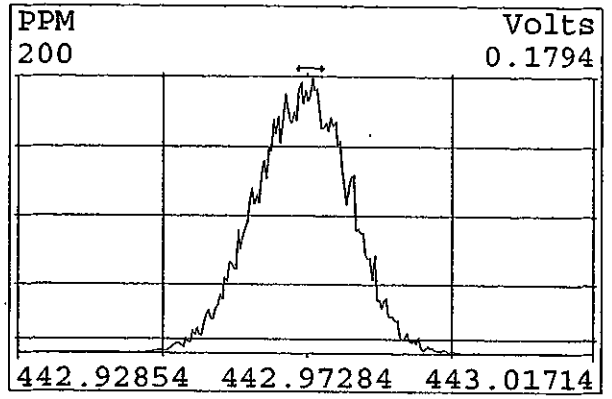


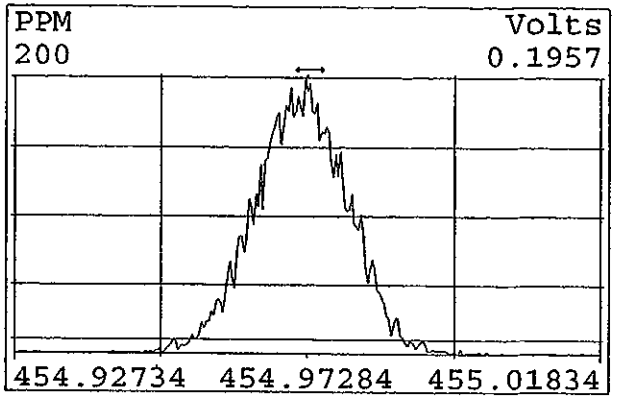


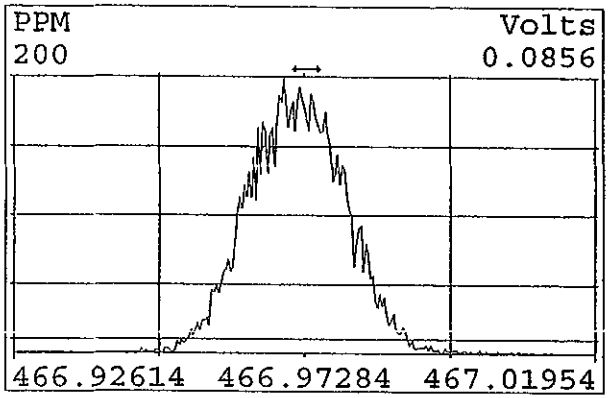


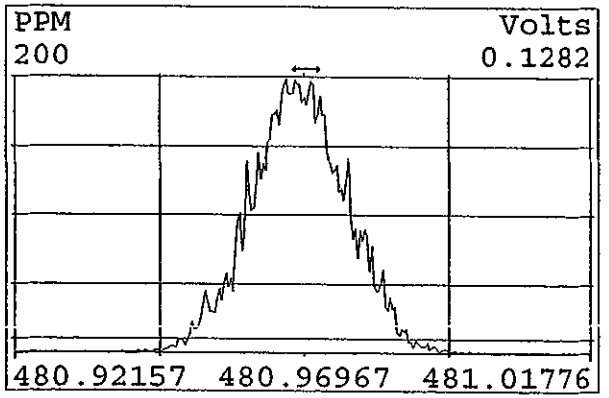
Peak Locate Examination: 7-MAY-2010:10:45 File:07MY104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

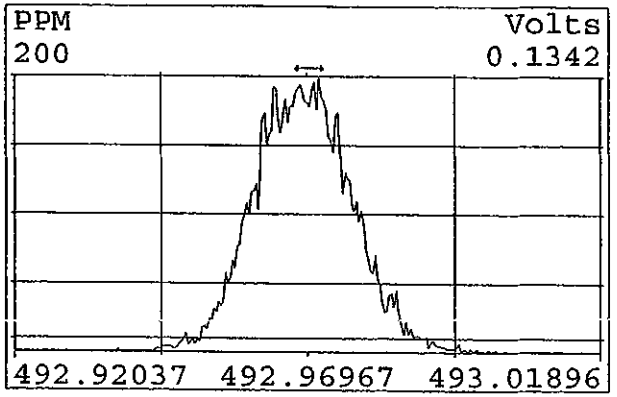


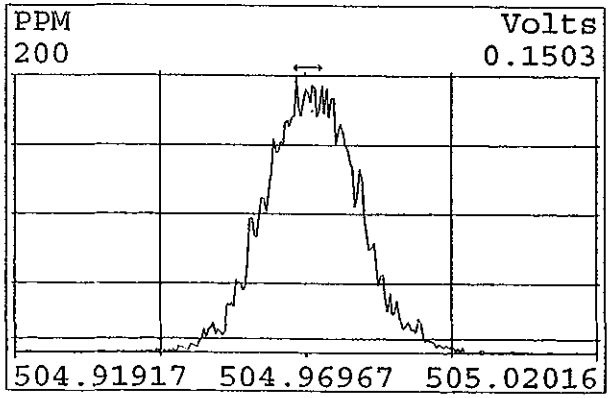


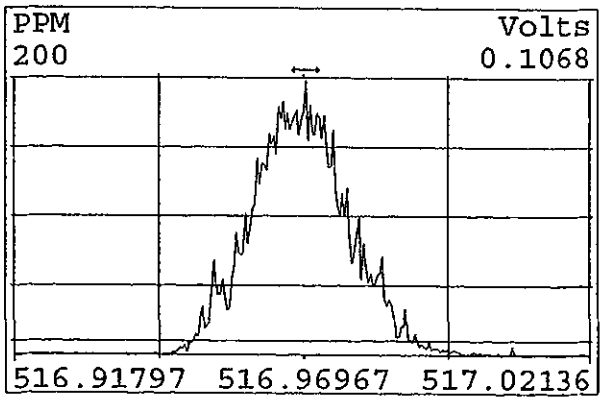




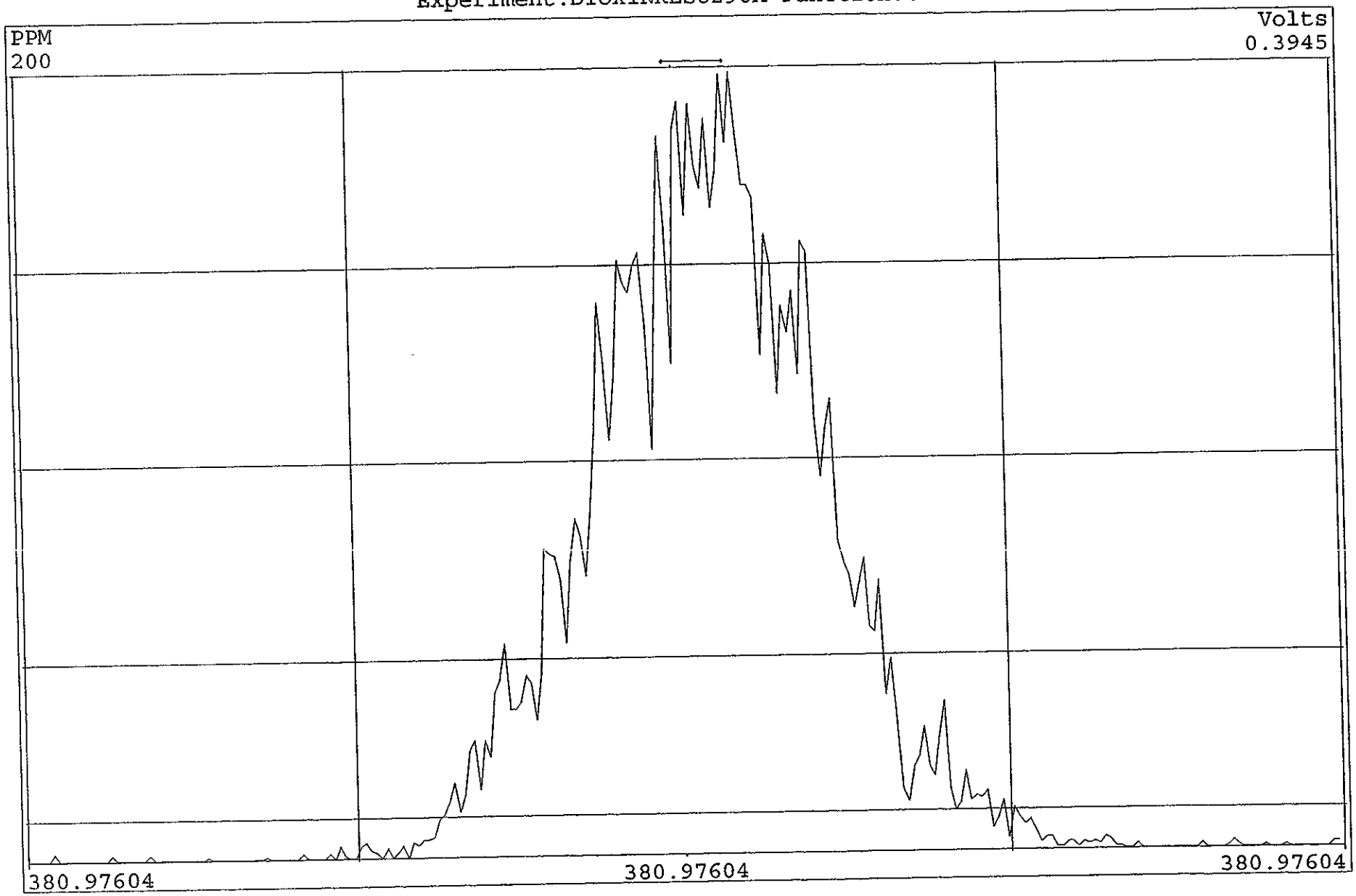




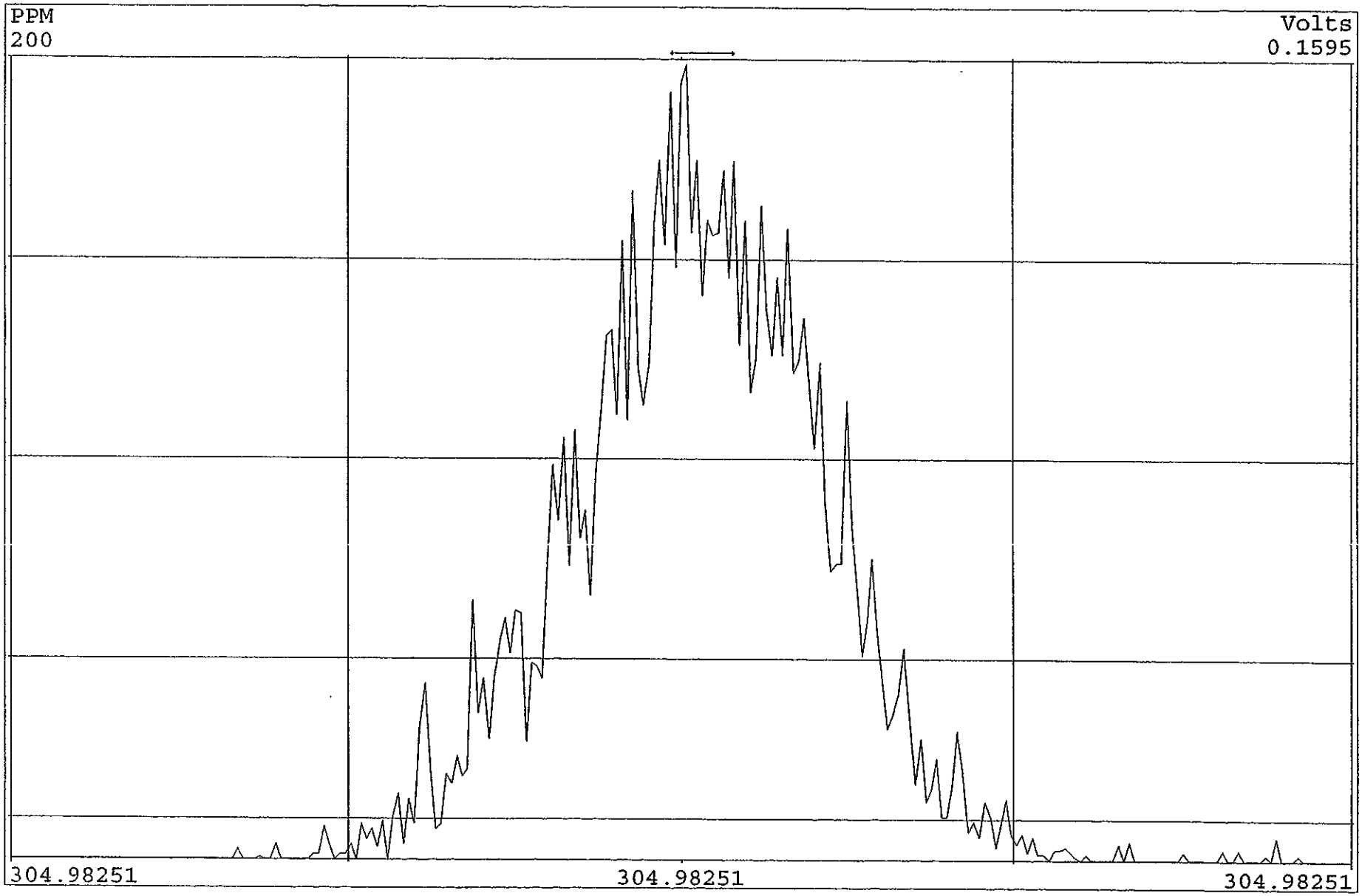




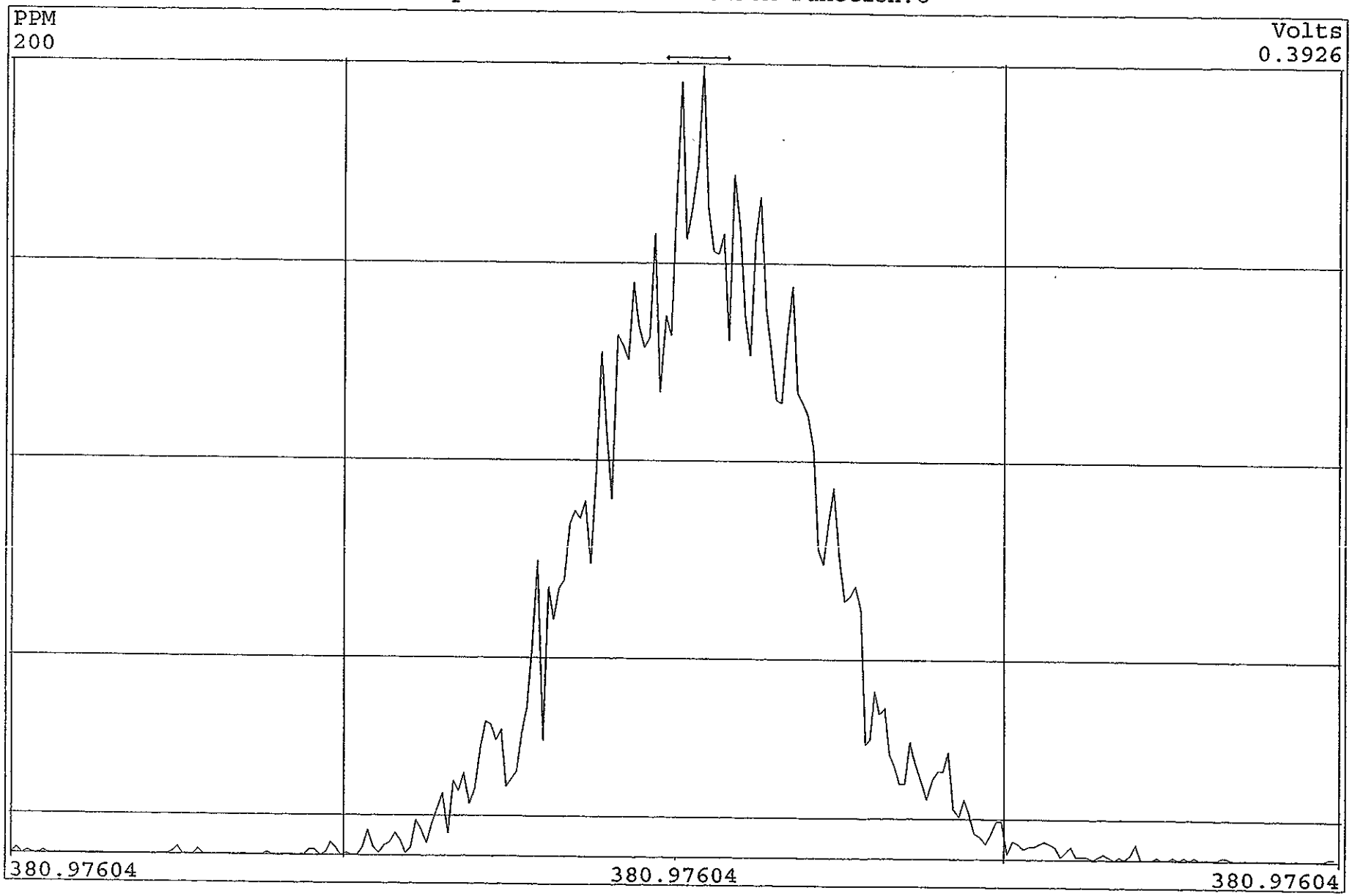
SIRLM Examination: 7-MAY-2010:22:27 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



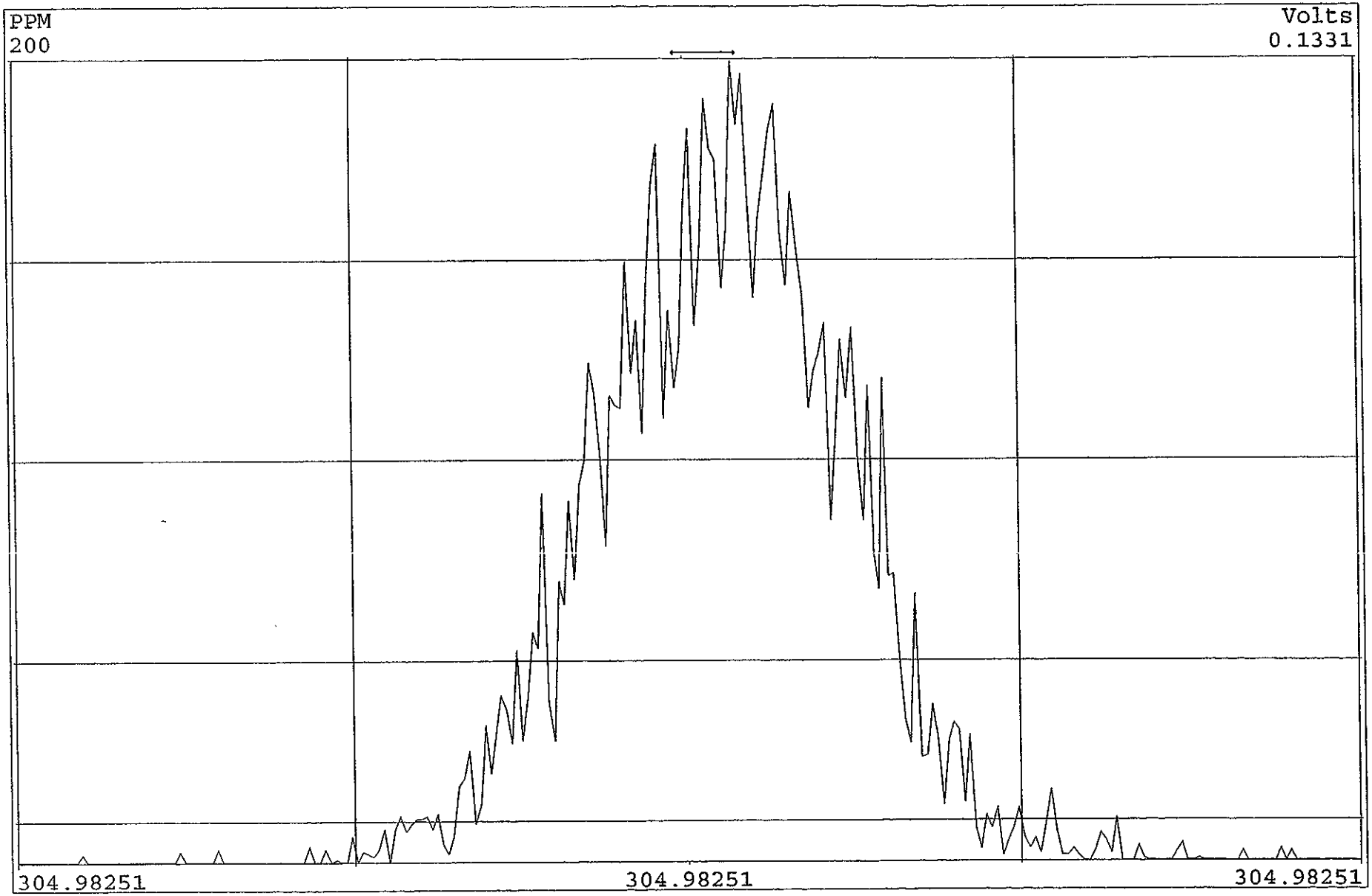
SIRLM Examination: 7-MAY-2010:22:28 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



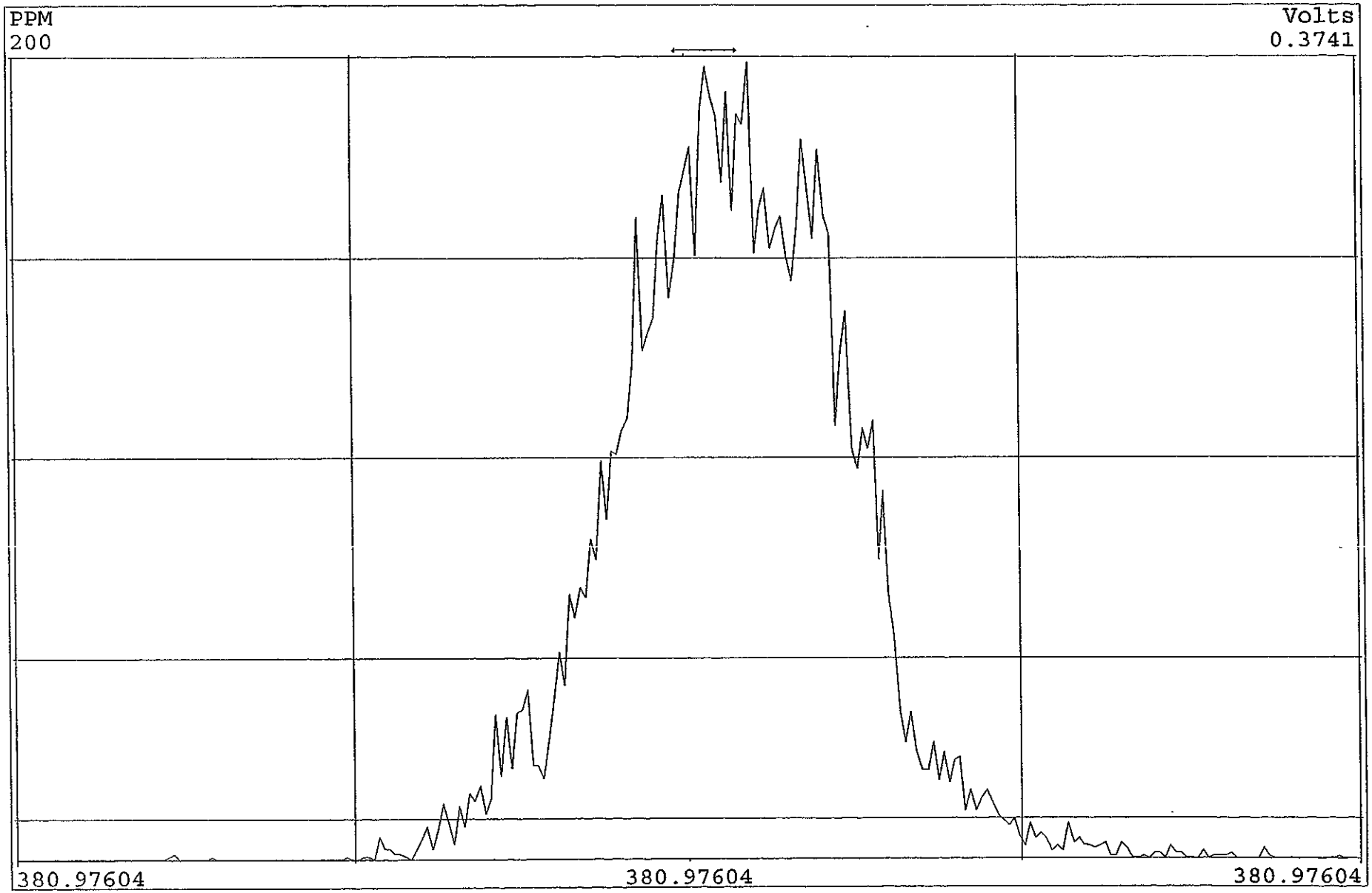
SIRLM Examination: 8-MAY-2010:07:59 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



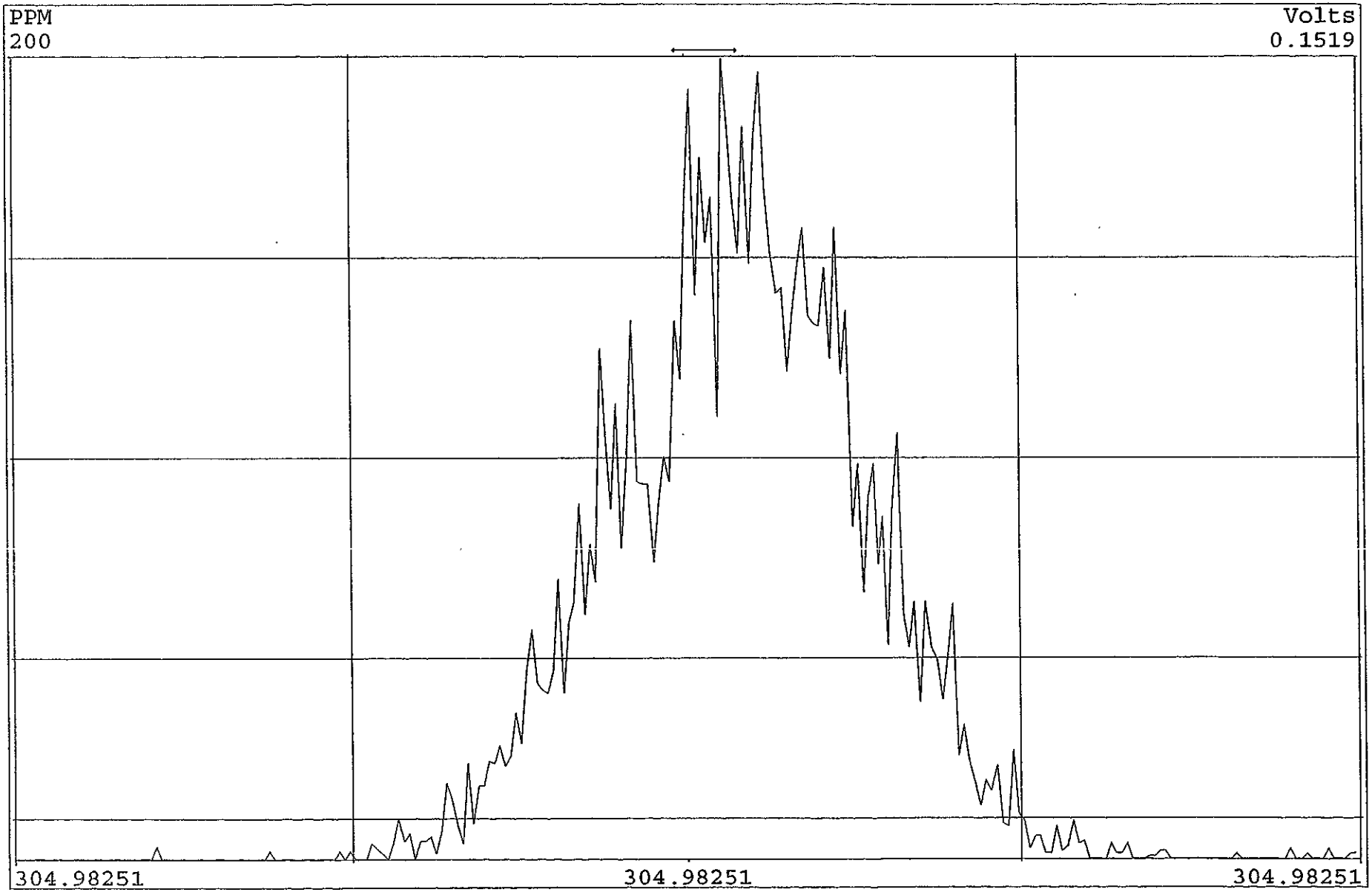
SIRLM Examination: 8-MAY-2010:08:00 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



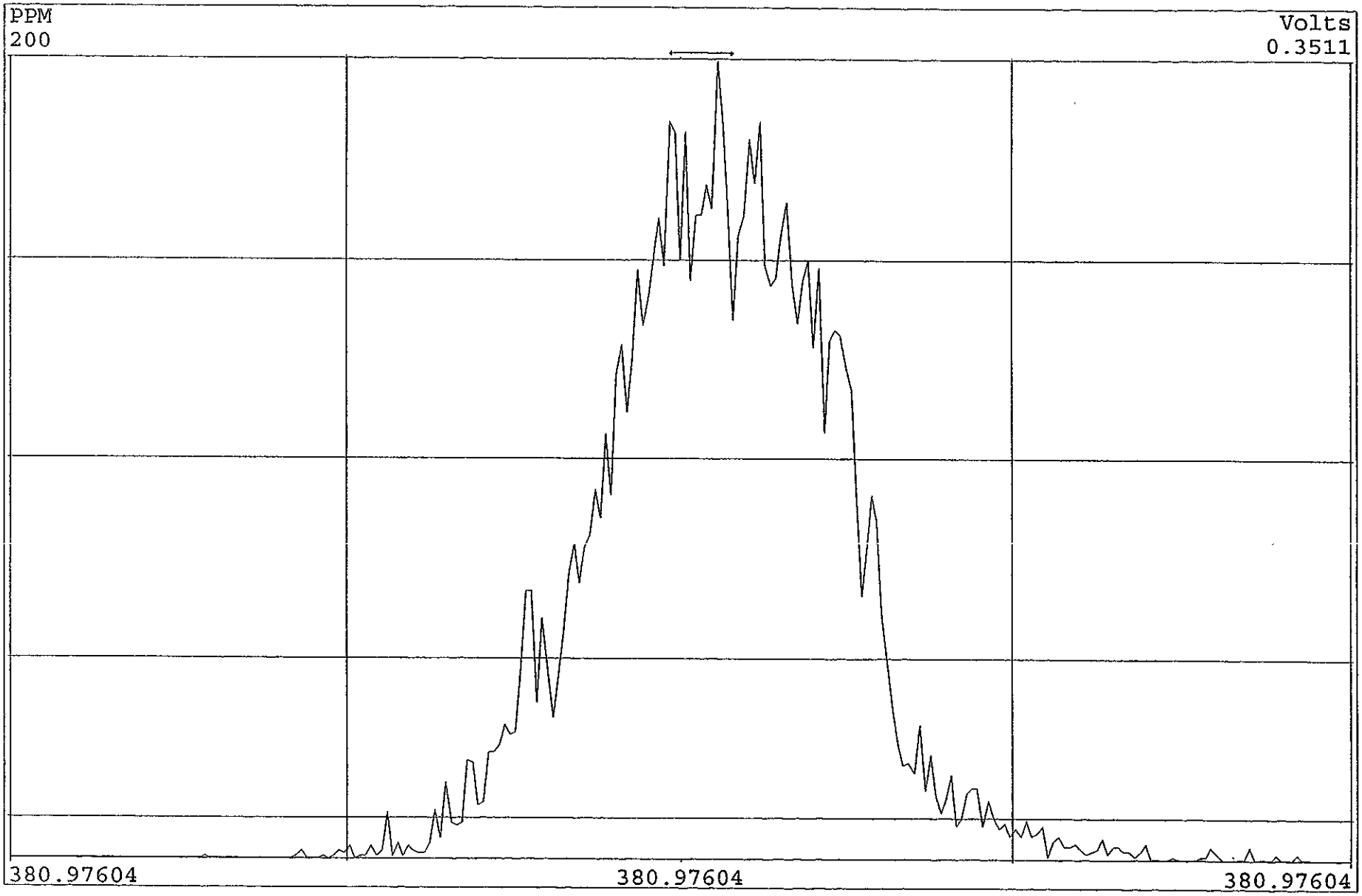
SIRLM Examination: 8-MAY-2010:15:20 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



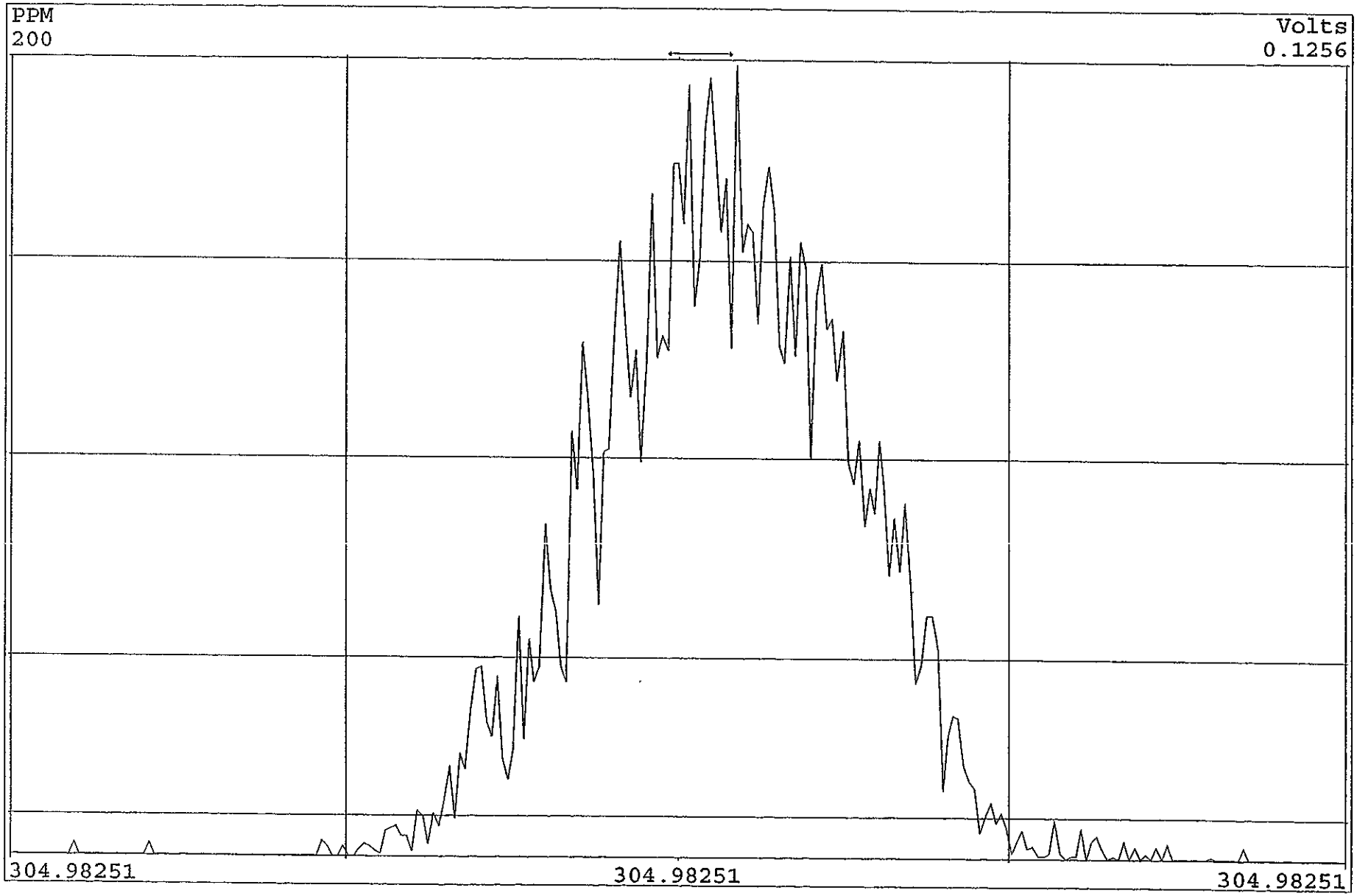
SIRLM Examination: 8-MAY-2010:15:21 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



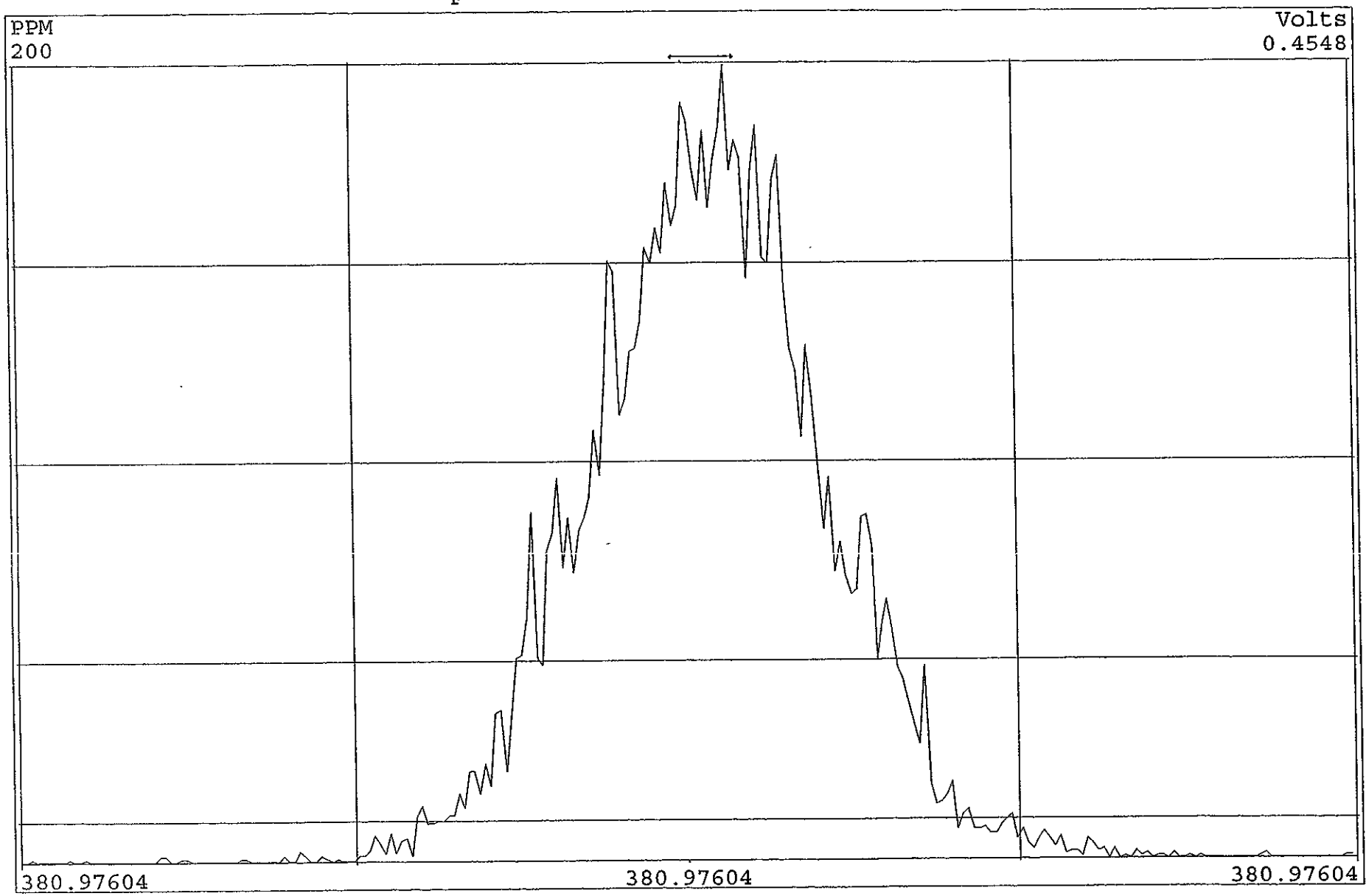
SIRLM Examination: 8-MAY-2010:23:24 File:07MY104D5
Experiment:DIOXINRES8290A Function:6



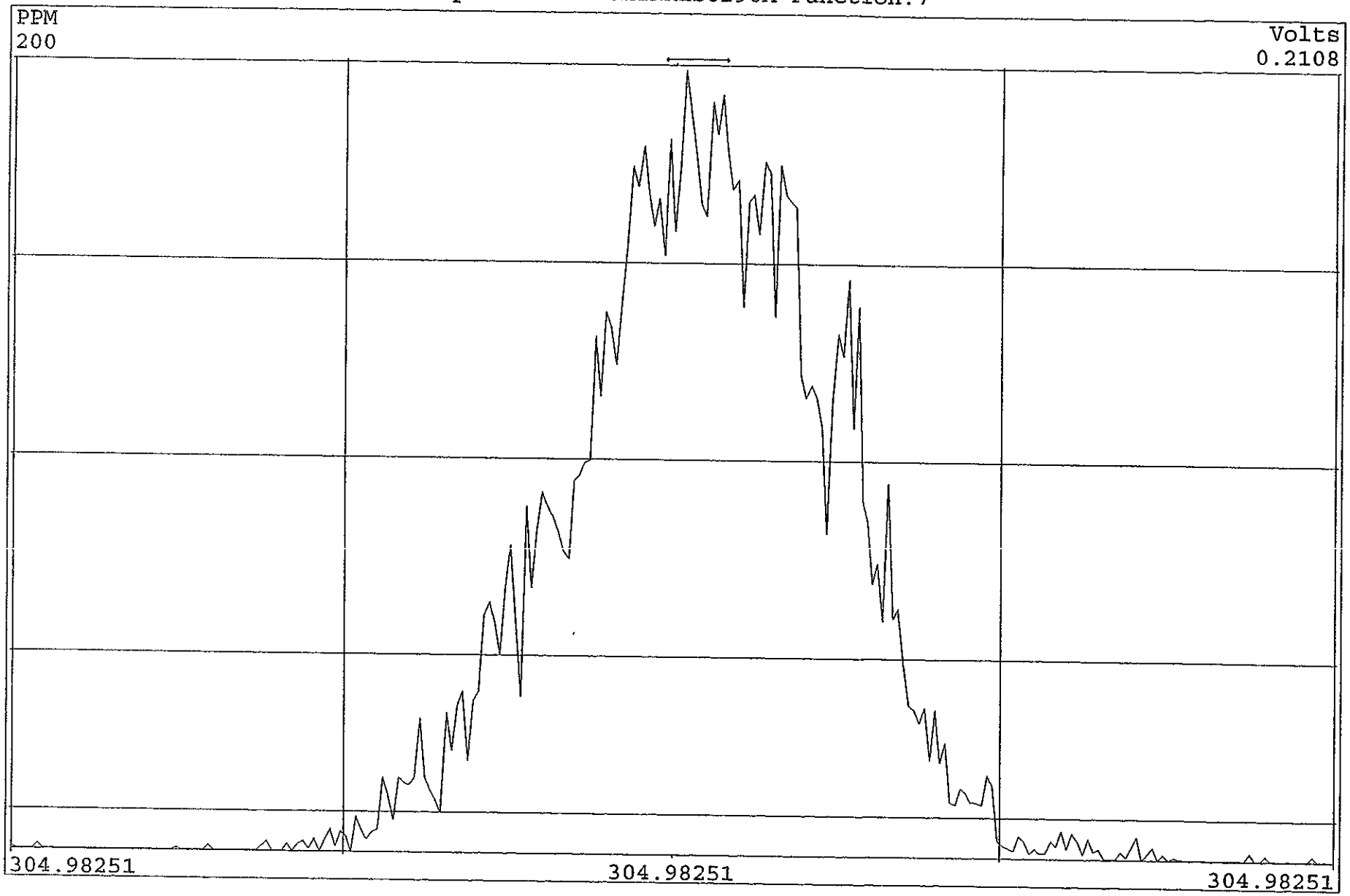
SIRLM Examination: 8-MAY-2010:23:25 File:07MY104D5
Experiment:DIOXINRES8290A Function:7



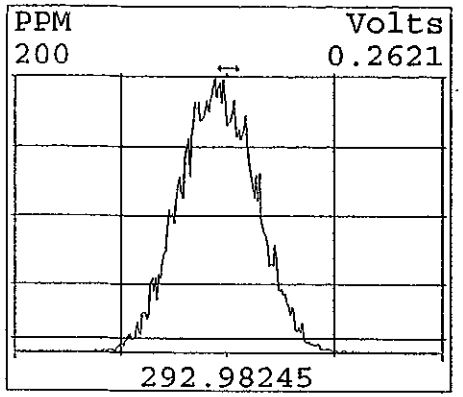
SIRLM Examination: 9-MAY-2010:11:09 File:07MY104D5
Experiment:DIOXINRES8290A Function:6

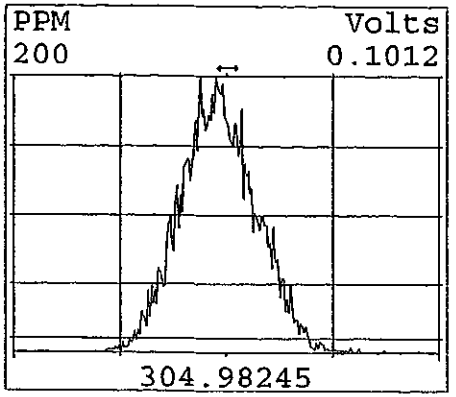


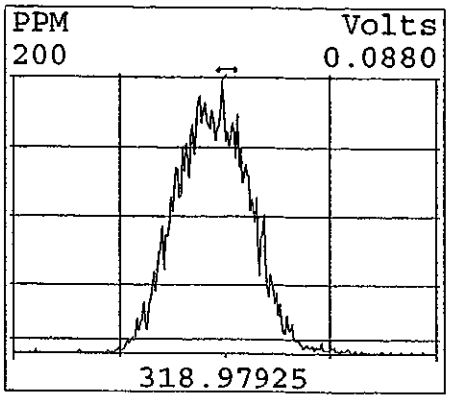
SIRLM Examination: 9-MAY-2010:11:10 File:07MY104D5
Experiment:DIOXINRES8290A Function:7

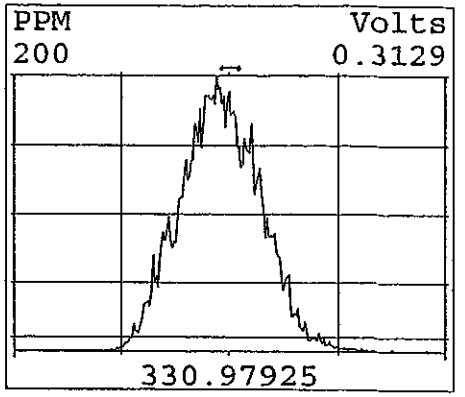


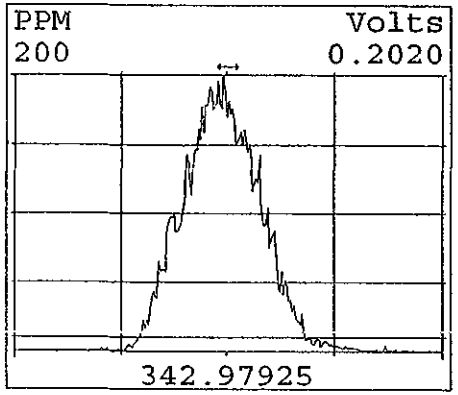
Peak Locate Examination: 9-MAY-2010:12:30 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:1 Reference:PFK

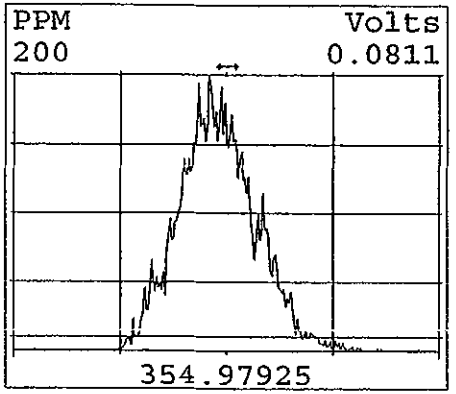


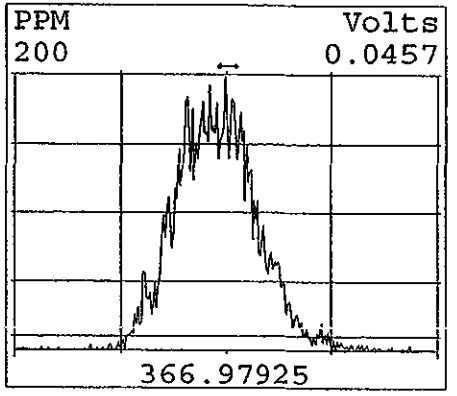


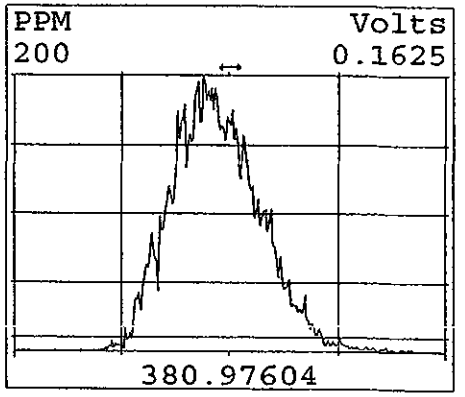


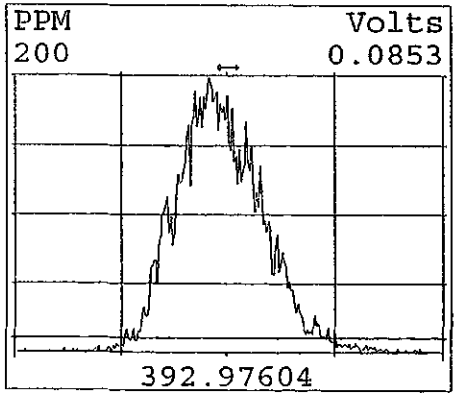


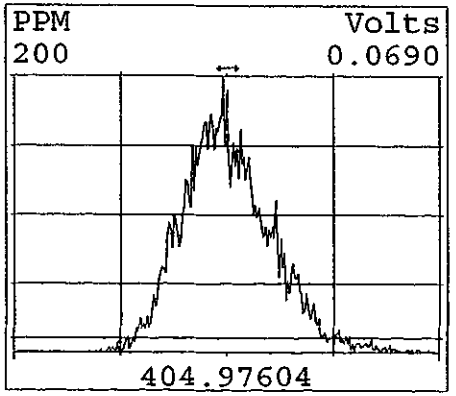


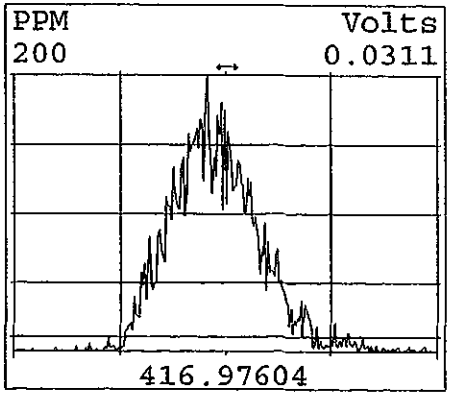




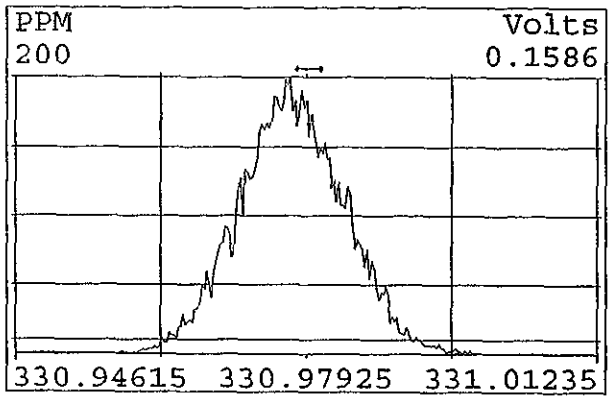


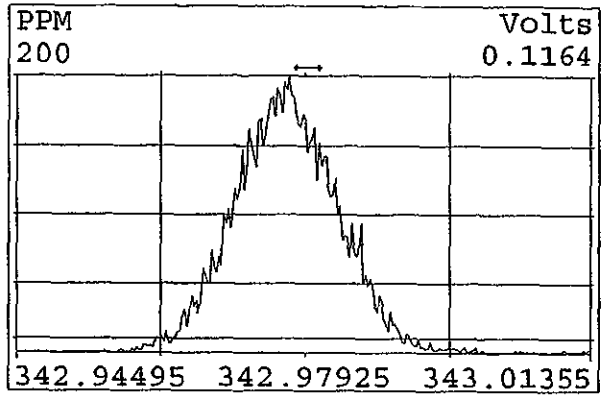


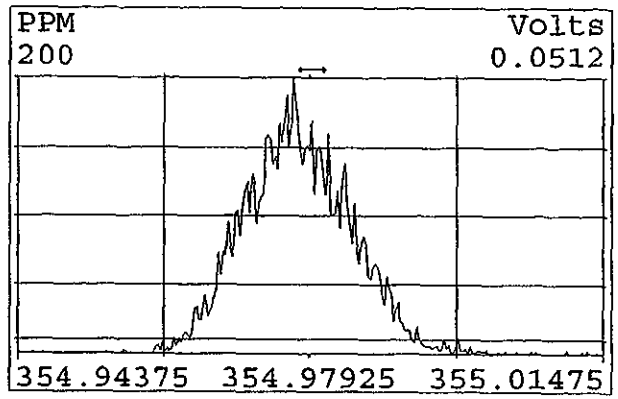


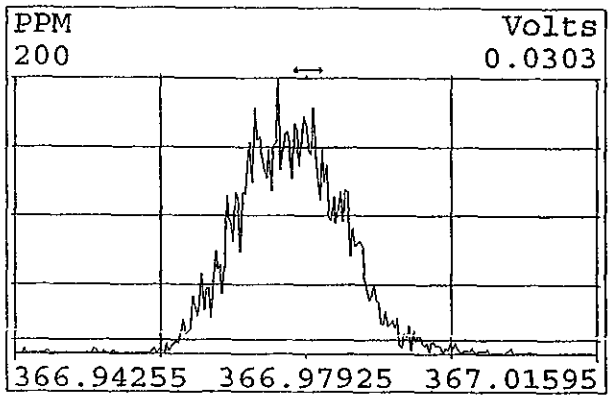


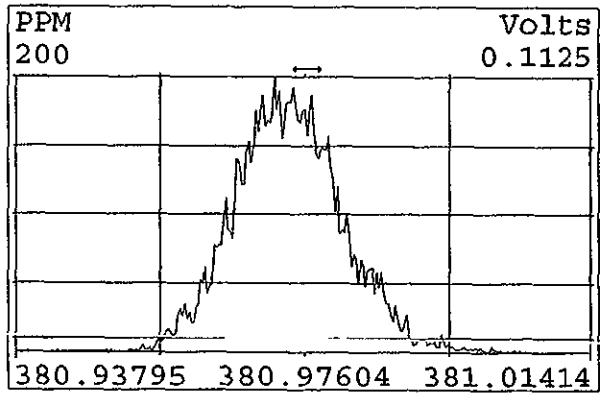
Peak Locate Examination: 9-MAY-2010:12:35 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:2 Reference:PFK

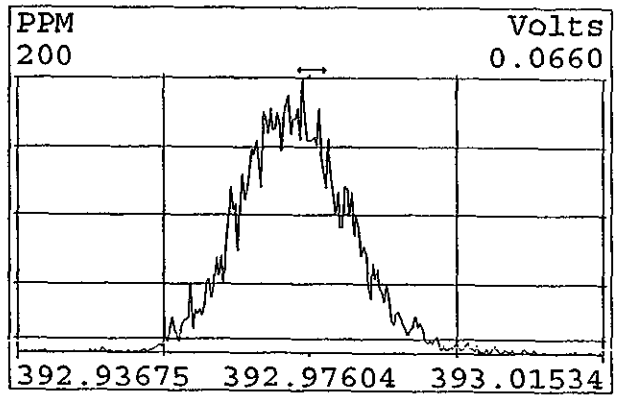


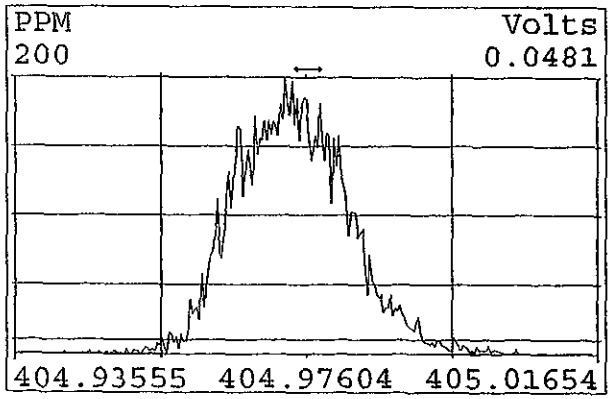


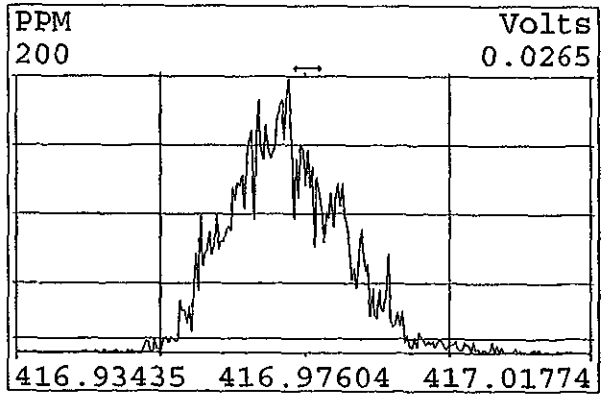




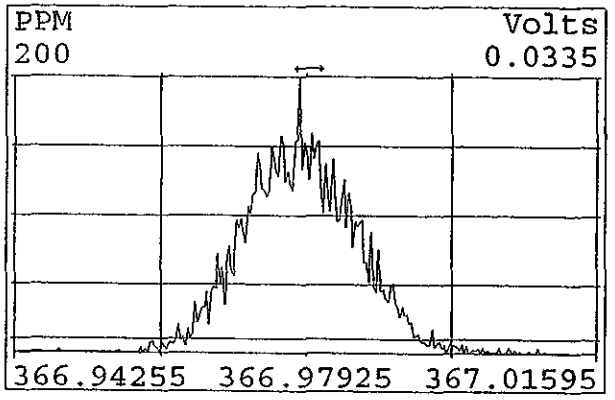


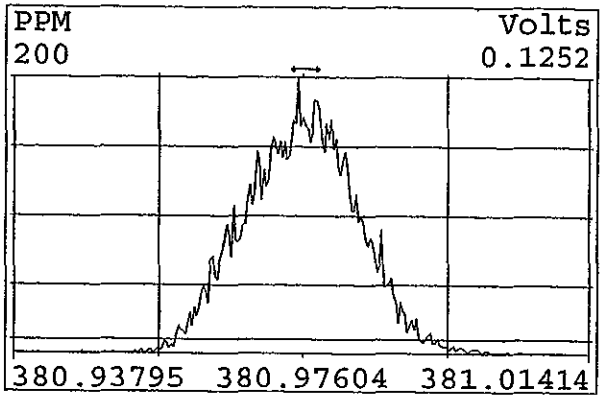


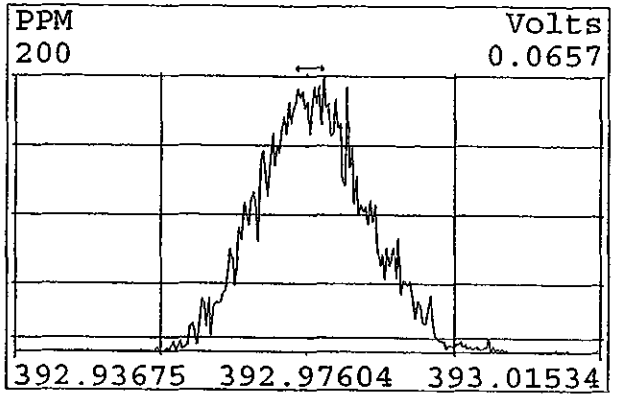


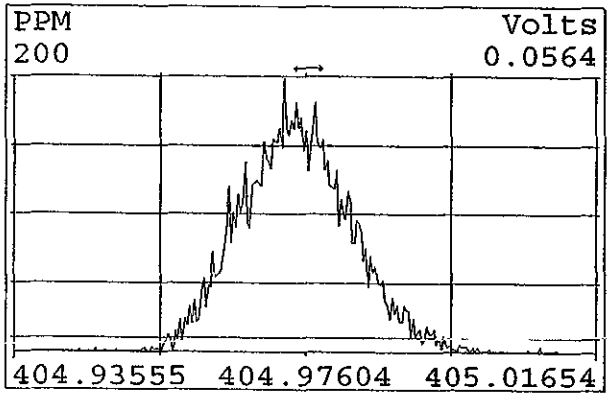


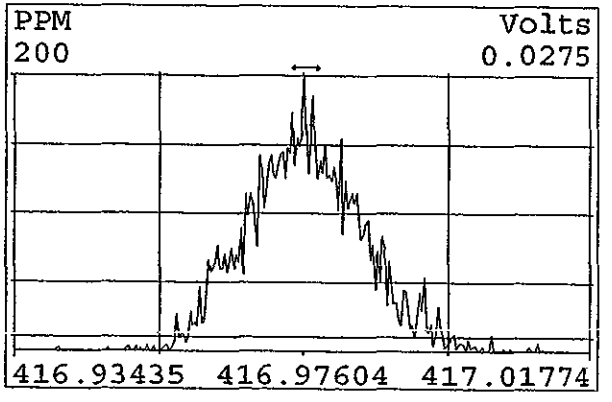
Peak Locate Examination: 9-MAY-2010:12:36 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:3 Reference:PFK

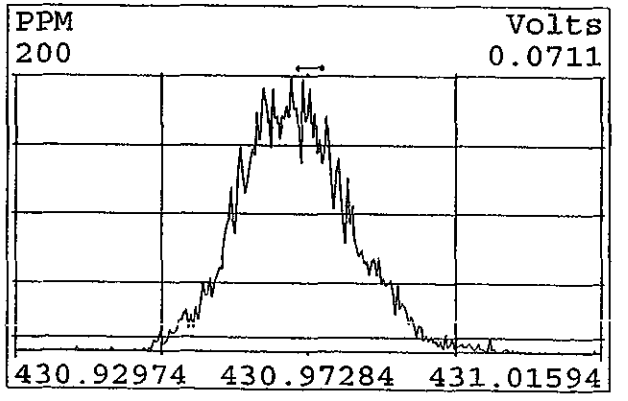


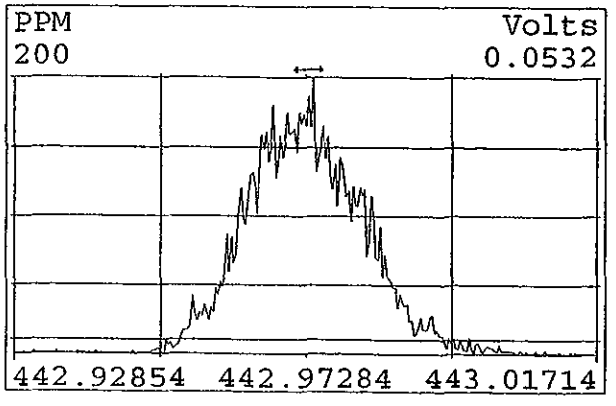


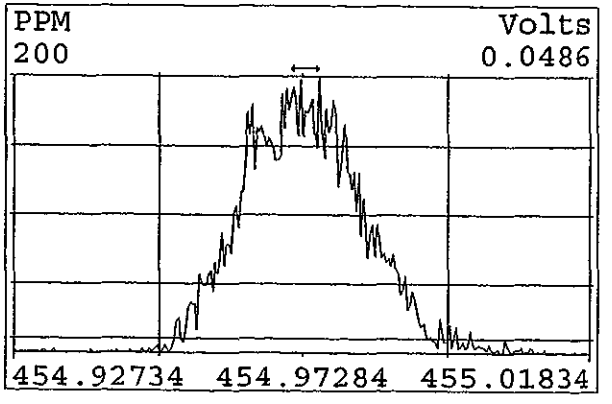




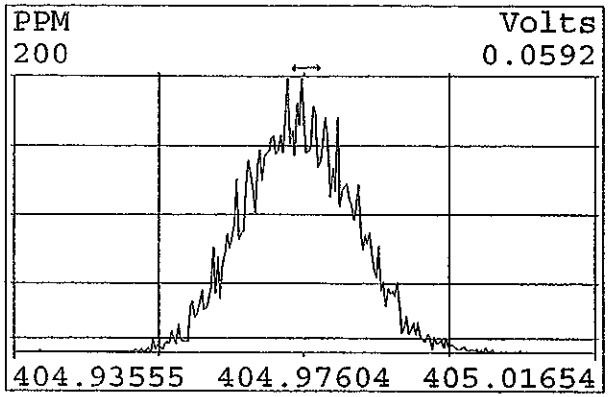


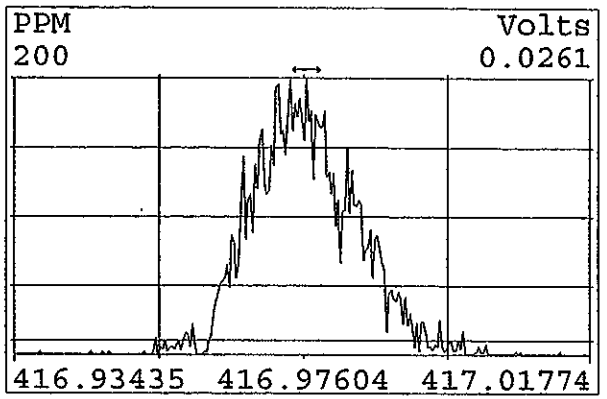


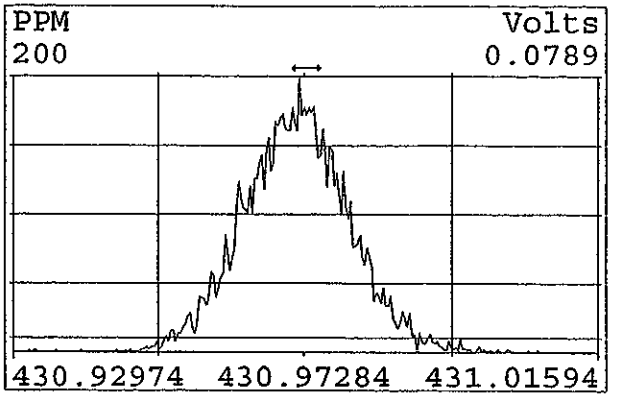


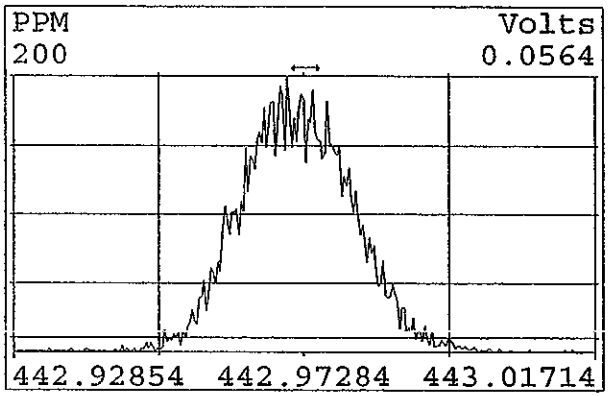


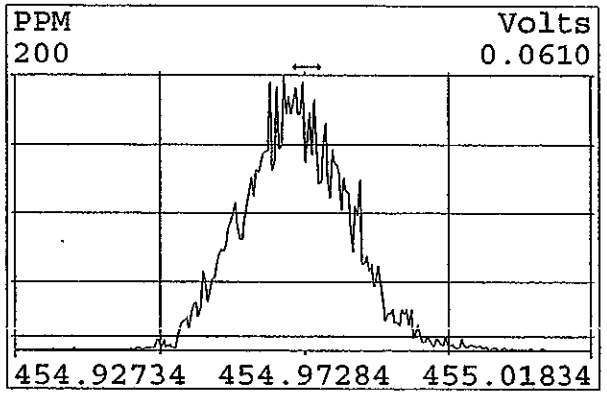
Peak Locate Examination: 9-MAY-2010:12:37 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:4 Reference:PFK

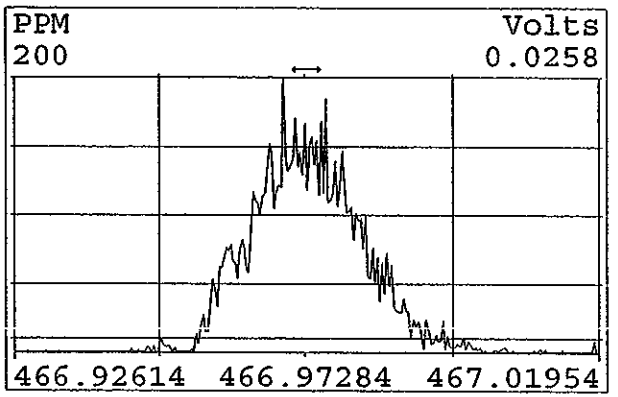


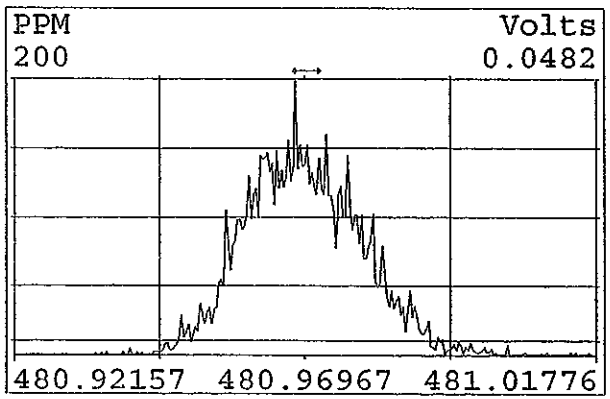




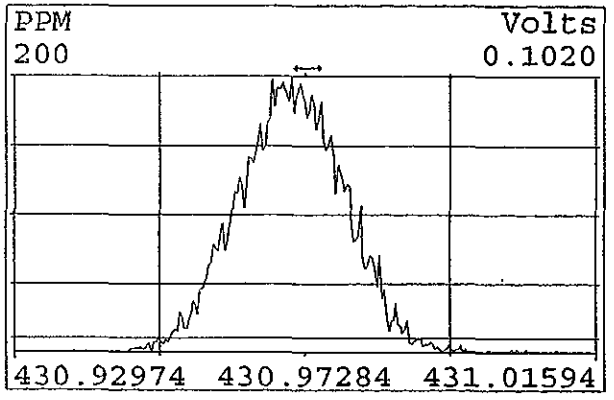


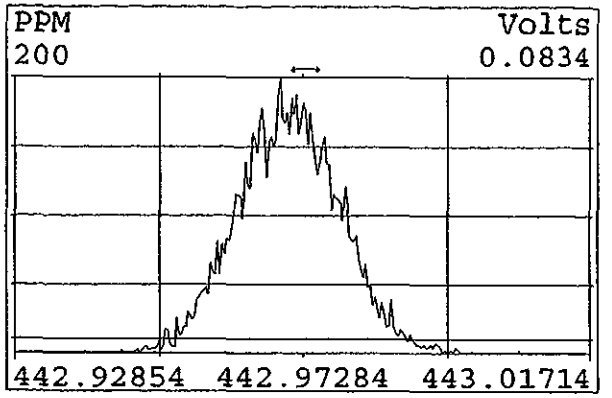


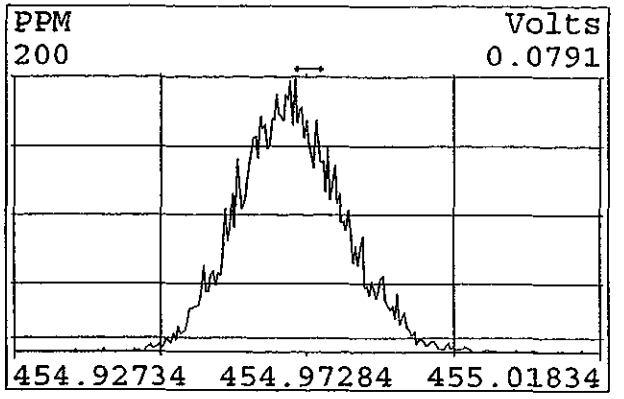


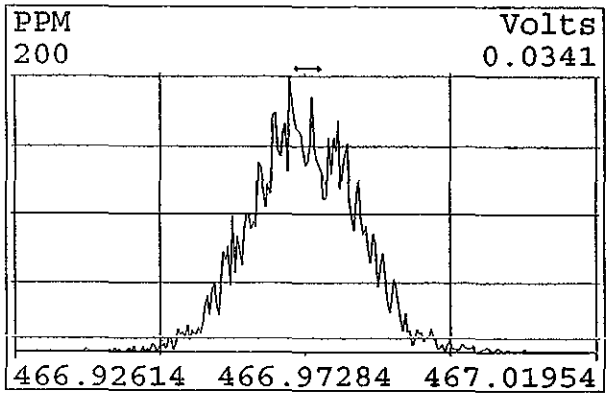


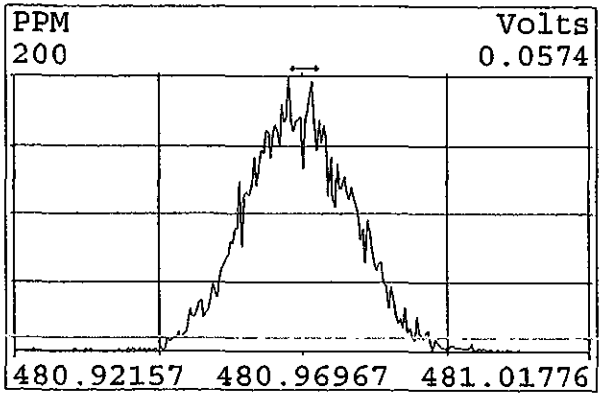
Peak Locate Examination: 9-MAY-2010:12:39 File:07MY104D5ENDRES
Experiment:DIOXINRES Function:5 Reference:PFK

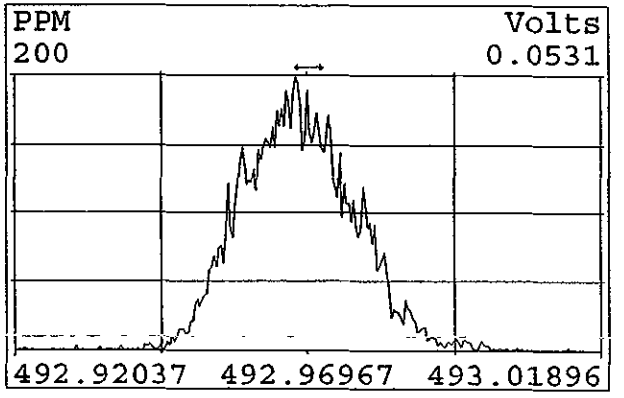


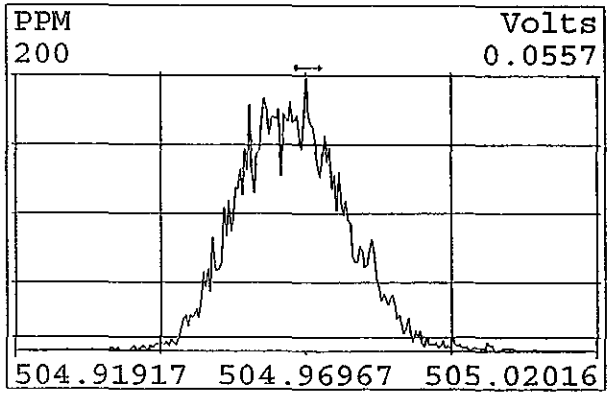


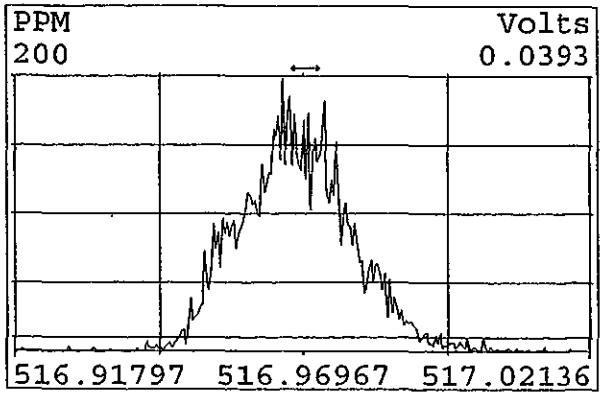




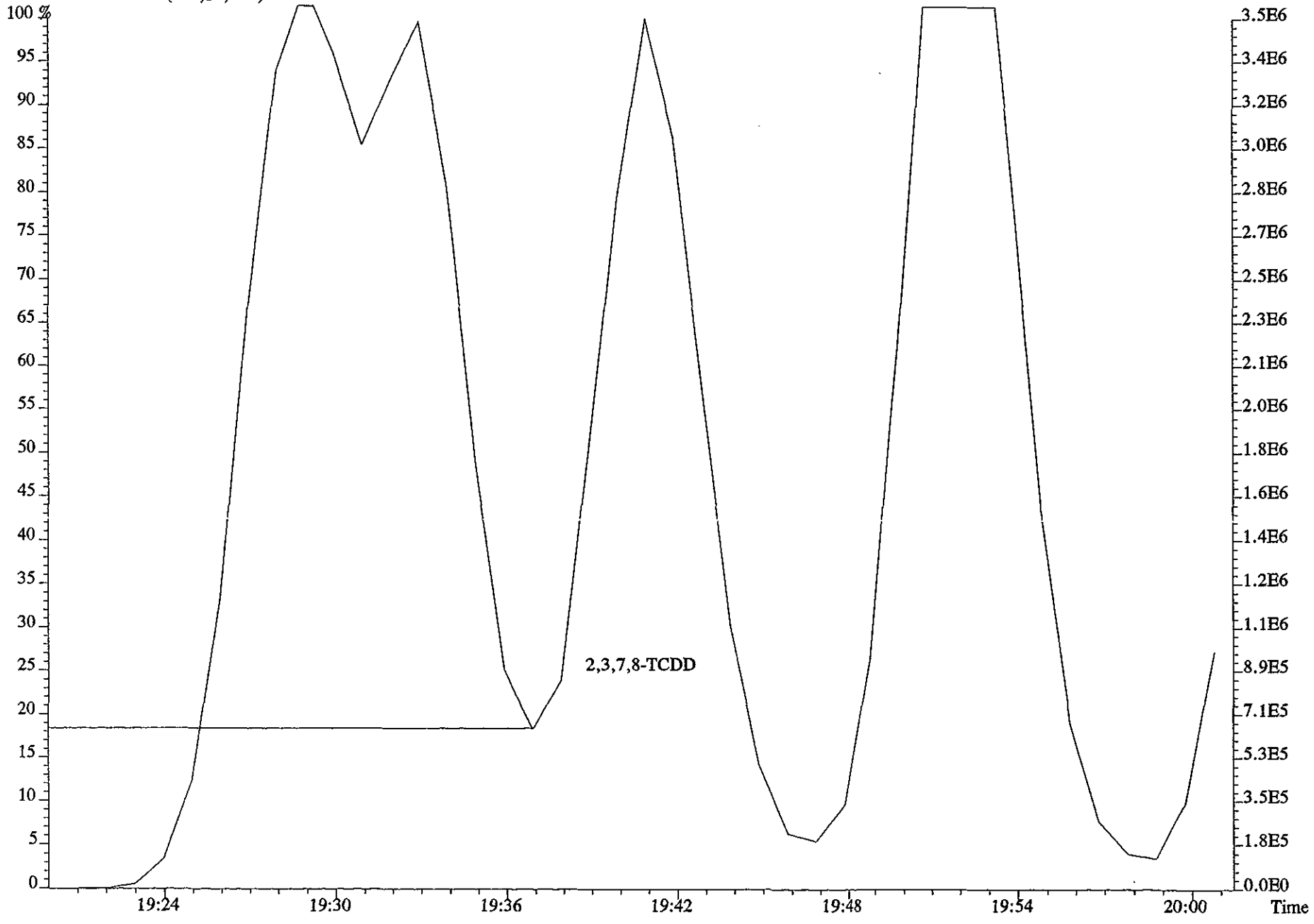








File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
321.8936 S:36 BSUB(128,15,-3.0)



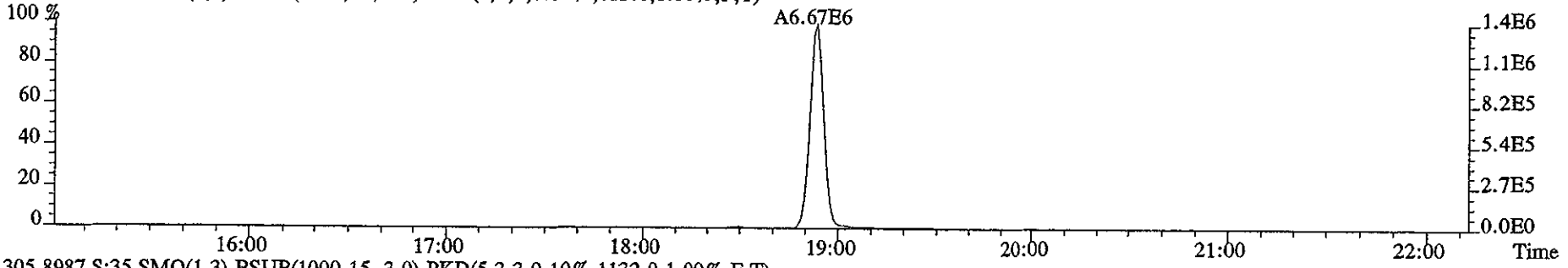
Run: 07MY104D5 Analyte: 8290A Cal: 8290A0412104D5

ST0412B :CS-1 09DXN422 ST0412A :CS-2 09DXN423 ST0412 :CS-3 10DXN111
ST0412D :CS-4 09DXN426 ST0412C :CS-5 09DXN456

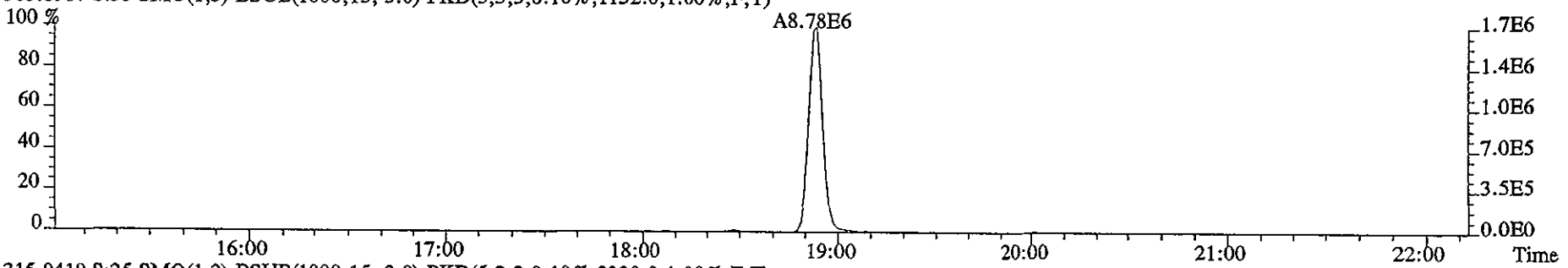
Name	Mean	S. D.	%RSD	12AP104D5 S4 RRF1	12AP104D5 S3 RRF2	12AP104D5 S2 RRF3	12AP104D5 S6 RRF4	12AP104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	0.87	0.95	0.91	1.08
2,3,7,8-TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
Total TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
37Cl-2,3,7,8-TCDD	2.261	0.218	9.64 %	2.41	2.04	2.16	2.14	2.56
13C-1,2,3,7,8-PeCDF	1.050	0.149	14.1 %	0.97	0.97	1.01	0.98	1.31
1,2,3,7,8-PeCDF	1.045	0.049	4.68 %	0.97	1.02	1.09	1.09	1.06
2,3,4,7,8-PeCDF	0.982	0.045	4.55 %	0.93	0.97	1.03	1.02	0.96
Total F2 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
Total F1 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
13C-1,2,3,7,8-PeCDD	0.670	0.094	14.0 %	0.61	0.65	0.62	0.64	0.84
1,2,3,7,8-PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
Total PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.025	0.075	7.29 %	1.08	0.98	1.08	0.92	1.06
1,2,3,4,7,8-HxCDF	1.213	0.061	5.00 %	1.12	1.18	1.25	1.28	1.23
1,2,3,6,7,8-HxCDF	1.343	0.096	7.13 %	1.20	1.34	1.46	1.38	1.33
2,3,4,6,7,8-HxCDF	1.222	0.064	5.27 %	1.13	1.19	1.29	1.26	1.23
1,2,3,7,8,9-HxCDF	1.092	0.072	6.60 %	1.02	1.02	1.15	1.17	1.10
Total HxCDF	1.218	0.070	5.72 %	1.12	1.18	1.29	1.27	1.22
13C-1,2,3,6,7,8-HxCDD	0.807	0.060	7.46 %	0.81	0.77	0.86	0.72	0.87
1,2,3,4,7,8-HxCDD	1.007	0.056	5.54 %	0.93	1.02	1.04	1.07	0.98

1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
13C-1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDF	1.310	0.072	5.52 %	1.20	1.28	1.39	1.36	1.32
1,2,3,4,7,8,9-HpCDF	1.026	0.053	5.19 %	0.95	1.00	1.09	1.06	1.03
Total HpCDF	1.168	0.063	5.36 %	1.08	1.14	1.24	1.21	1.18
13C-1,2,3,4,6,7,8-HpCDD	0.697	0.052	7.39 %	0.71	0.67	0.77	0.64	0.71
1,2,3,4,6,7,8-HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
Total HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
13C-OCDD	0.531	0.041	7.69 %	0.53	0.49	0.58	0.49	0.57
OCDF	1.445	0.085	5.85 %	1.32	1.39	1.51	1.50	1.50
OCDD	1.166	0.060	5.16 %	1.08	1.14	1.23	1.21	1.17

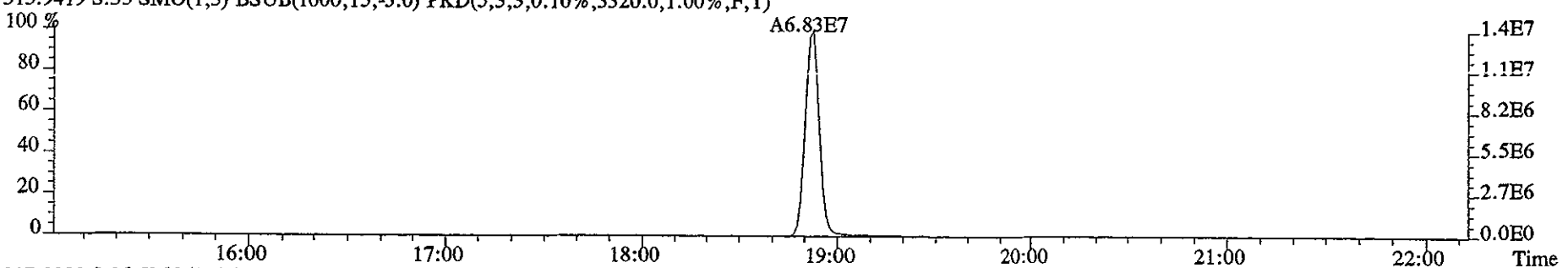
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
303.9016 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



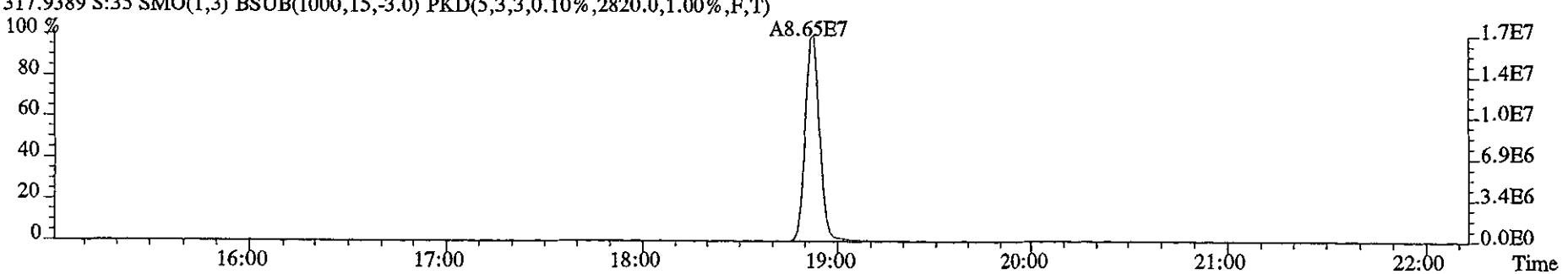
305.8987 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)



315.9419 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)

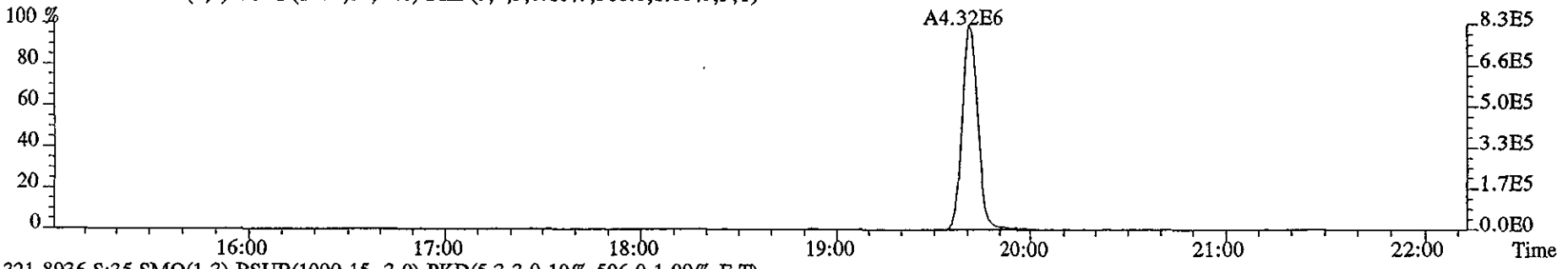


317.9389 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2820.0,1.00%,F,T)

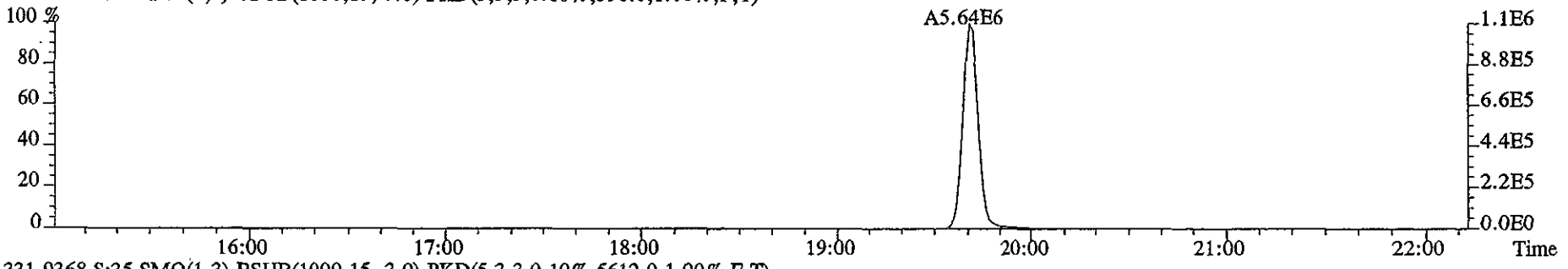


File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

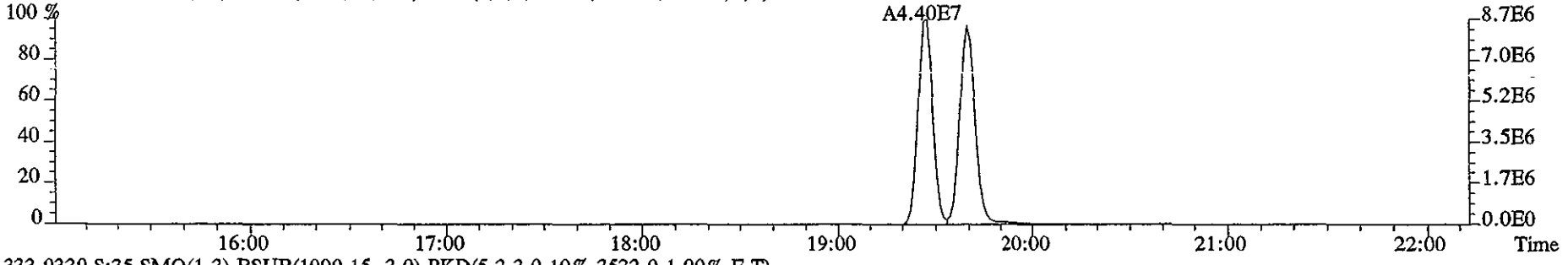
319.8965 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,368.0,1.00%,F,T)



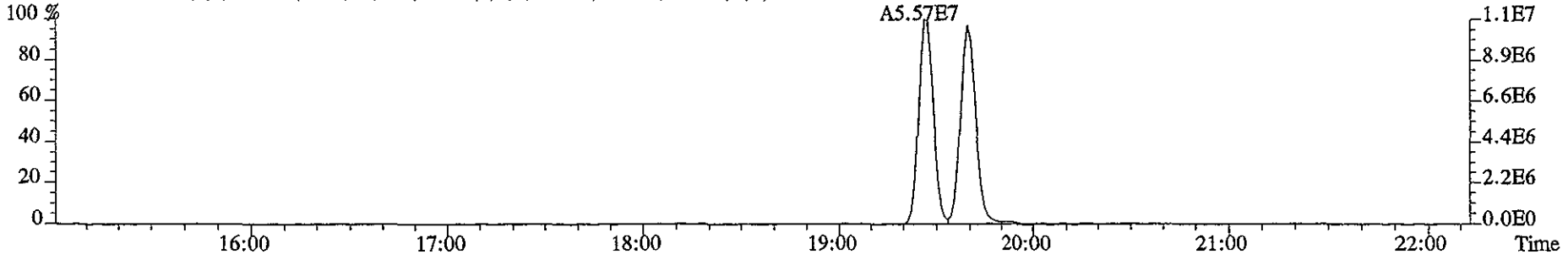
321.8936 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,596.0,1.00%,F,T)



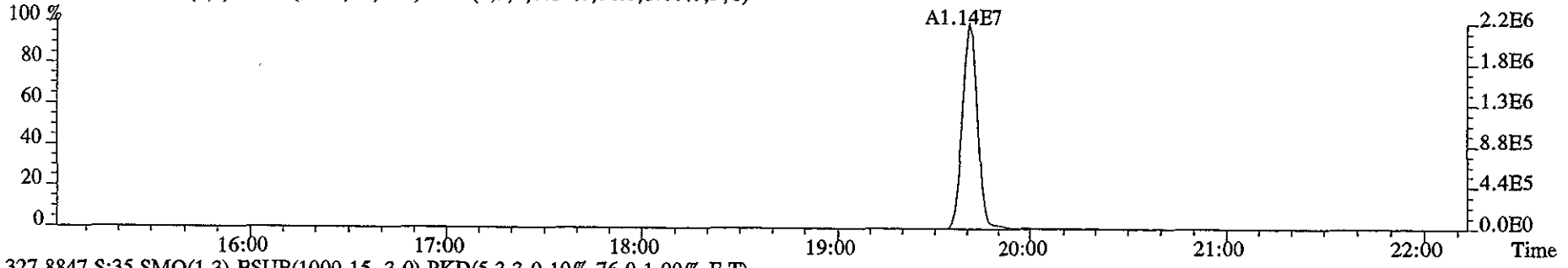
331.9368 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)



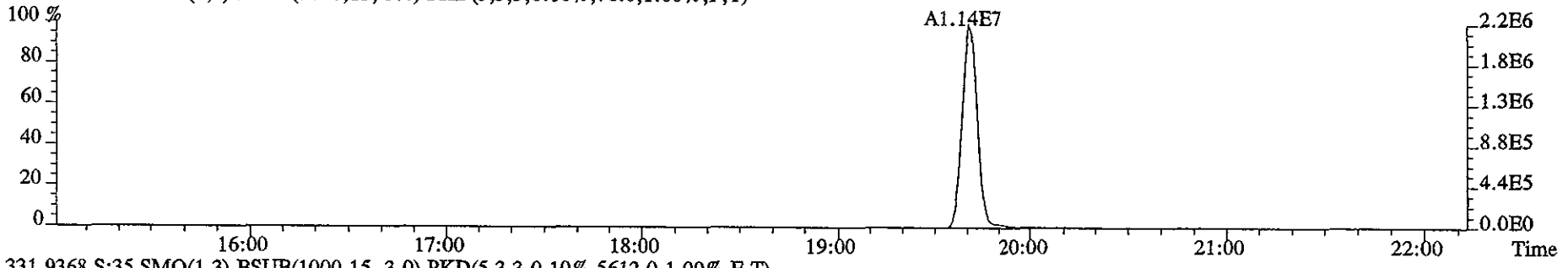
333.9339 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3532.0,1.00%,F,T)



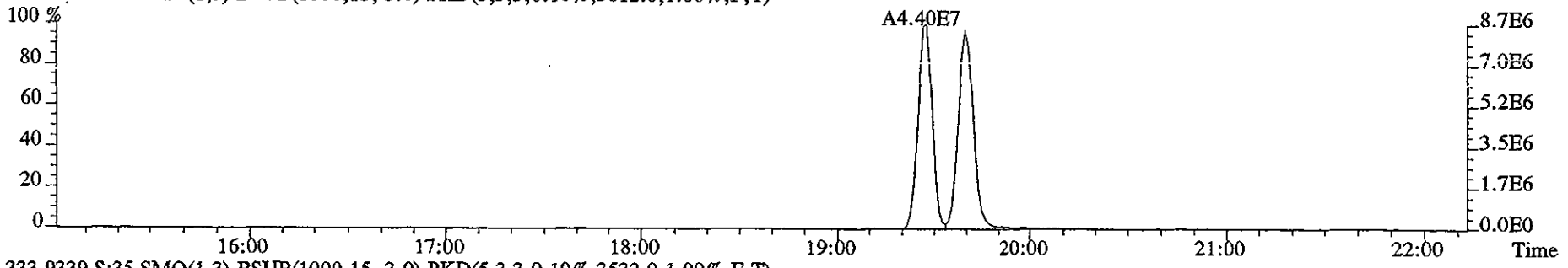
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
327.8847 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



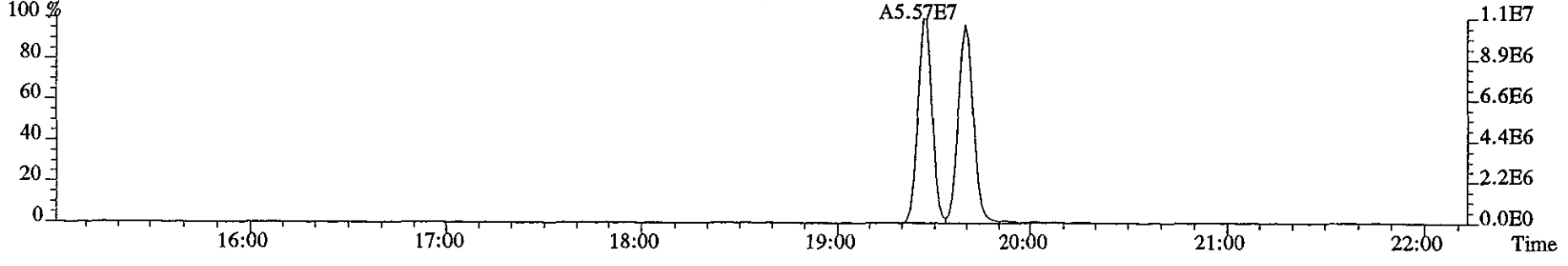
327.8847 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



331.9368 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)

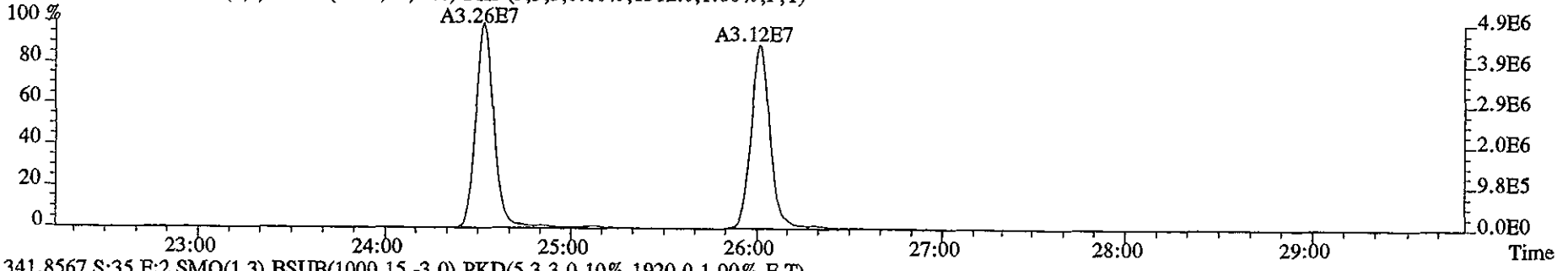


333.9339 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3532.0,1.00%,F,T)

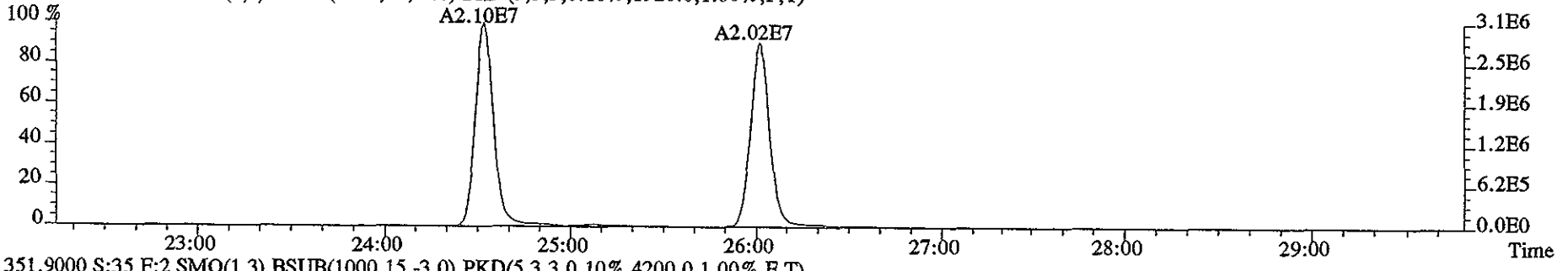


File:07MY104D5 #1-604 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

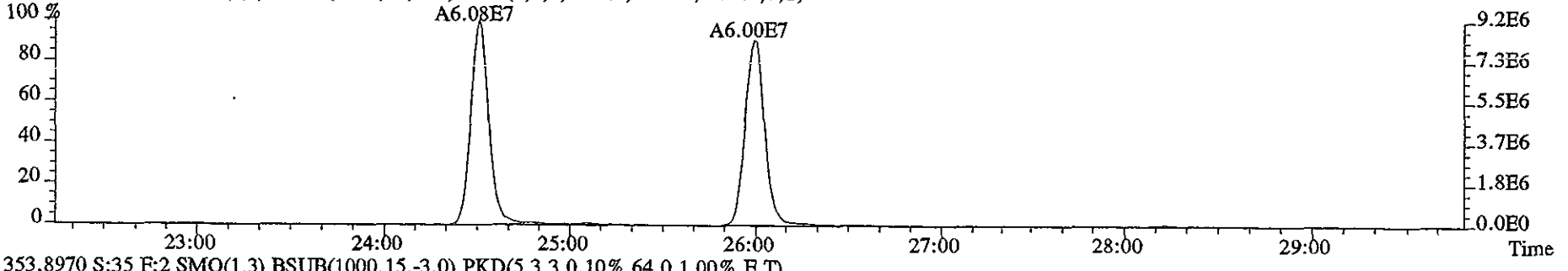
339.8597 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1312.0,1.00%,F,T)



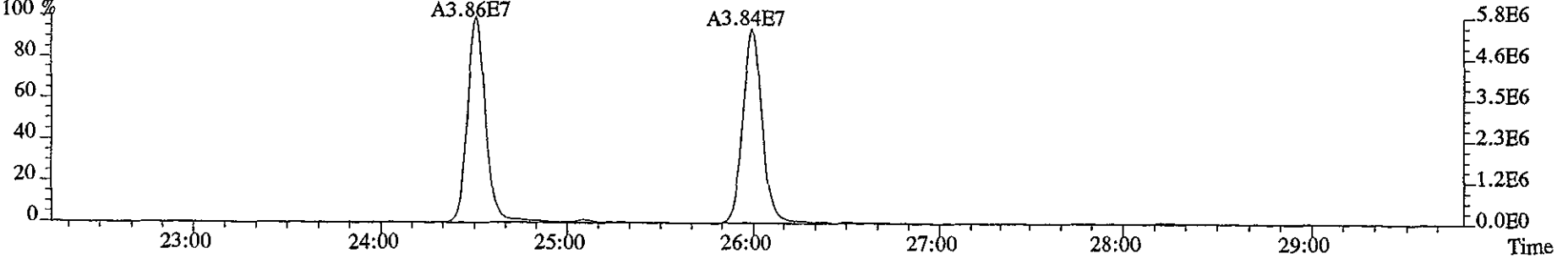
341.8567 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)



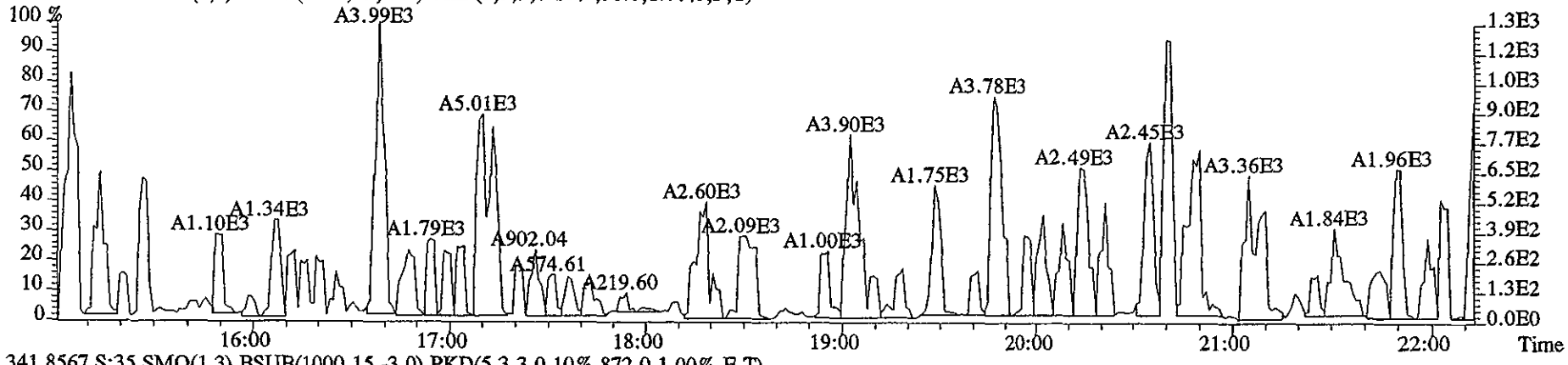
351.9000 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T)



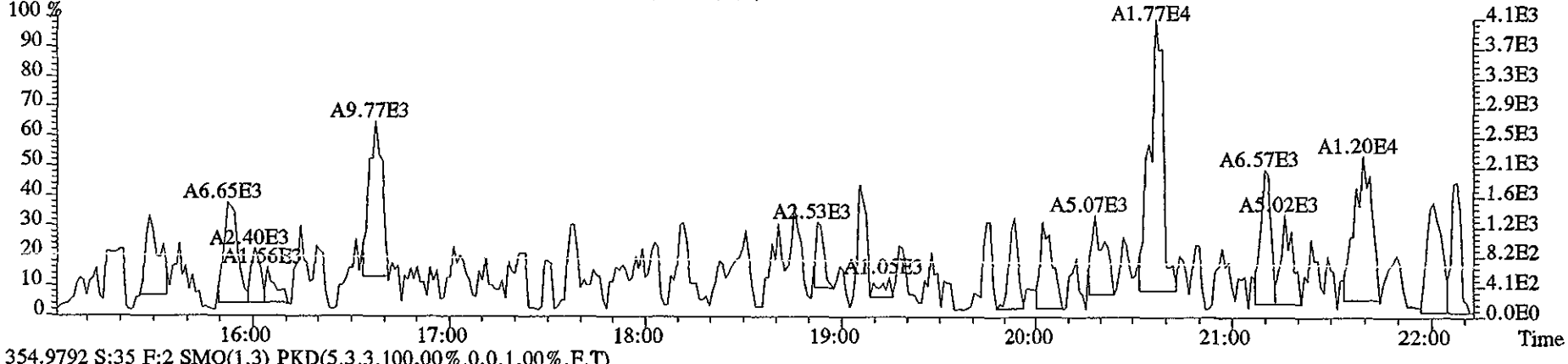
353.8970 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



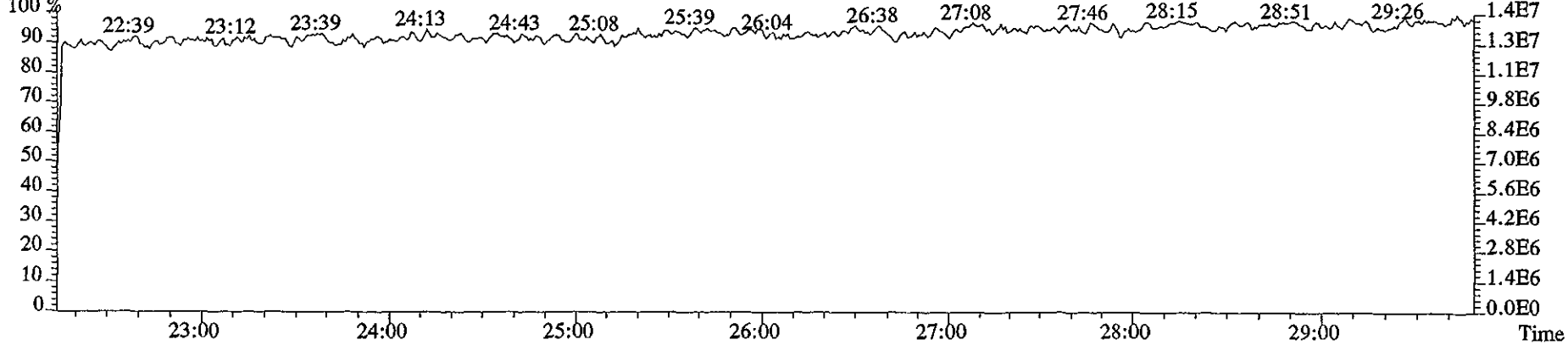
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



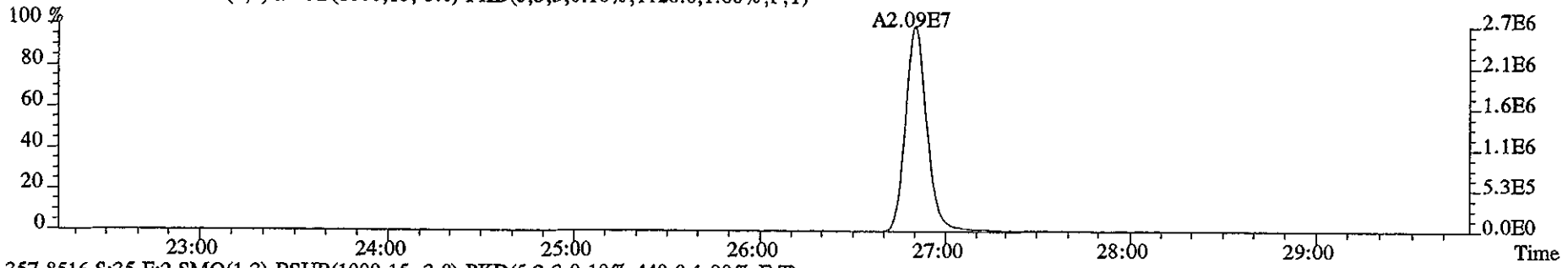
341.8567 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,872.0,1.00%,F,T)



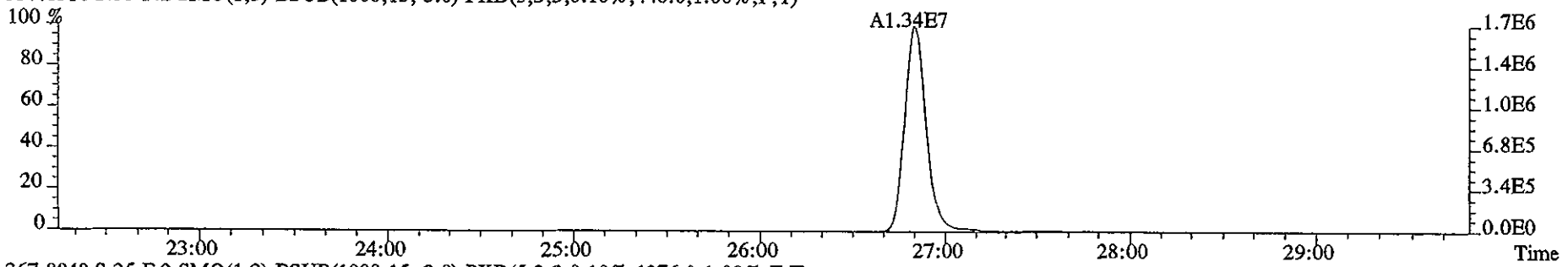
354.9792 S:35 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



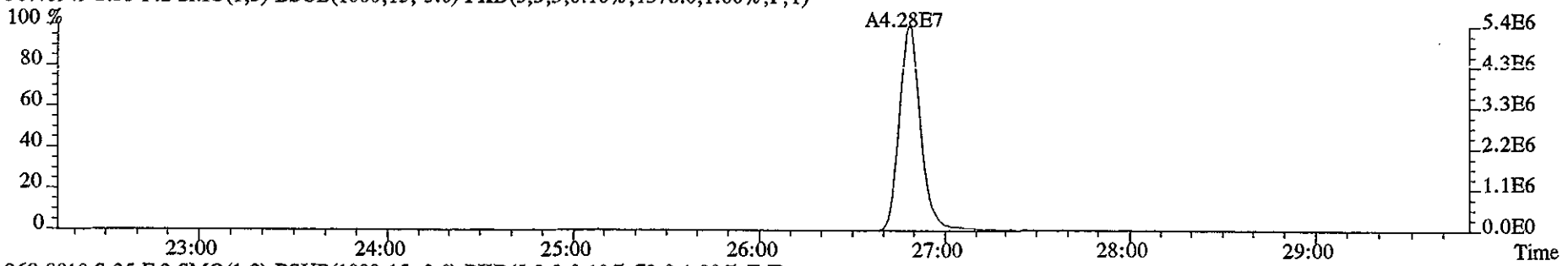
File:07MY104D5 #1-604 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
355.8546 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1120.0,1.00%,F,T)



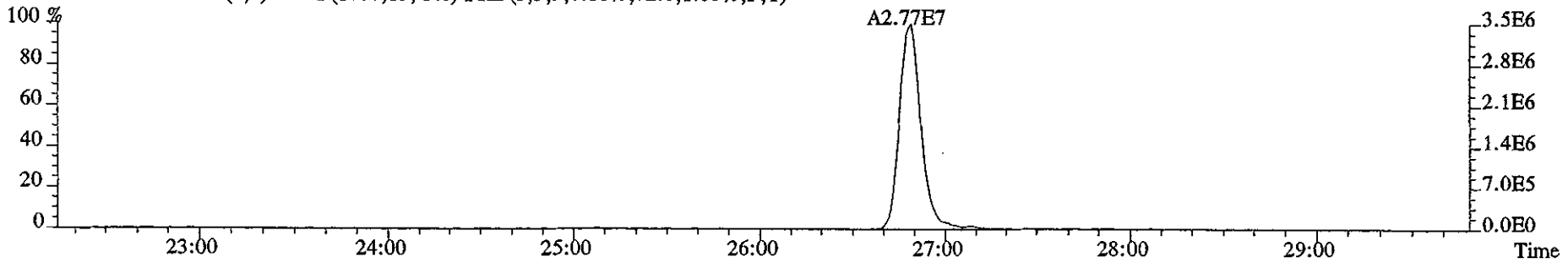
357.8516 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



367.8949 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1376.0,1.00%,F,T)

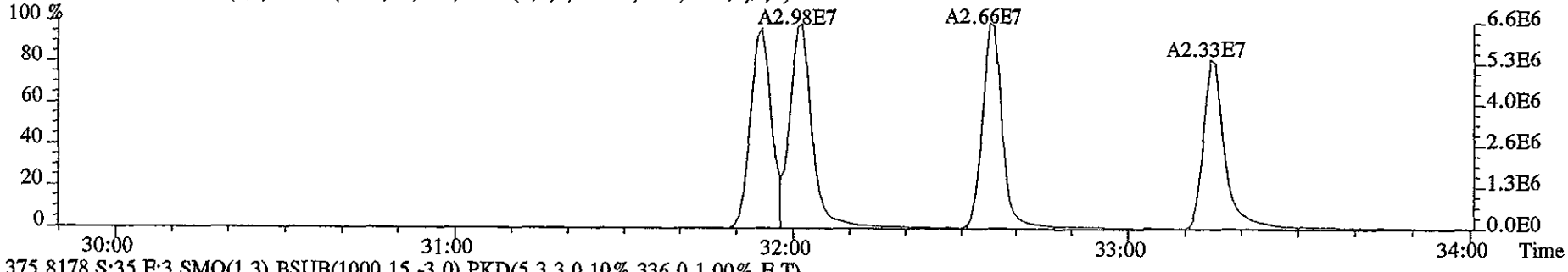


369.8919 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

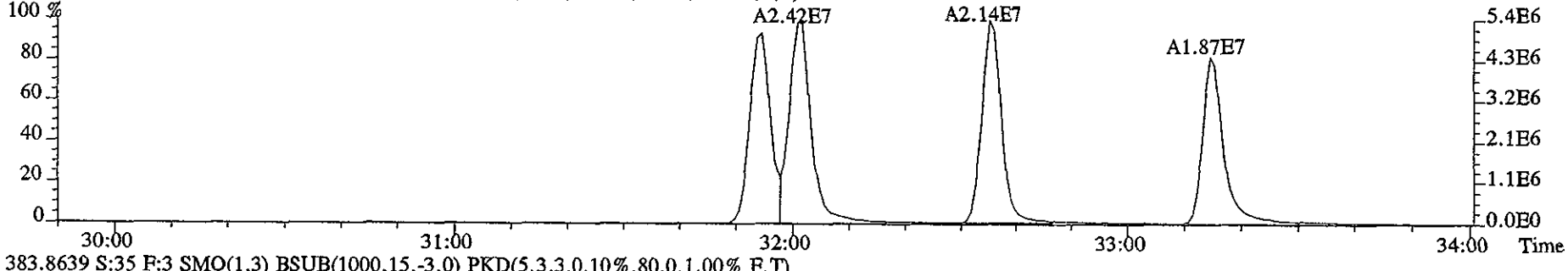


File:07MY104D5 #1-317 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

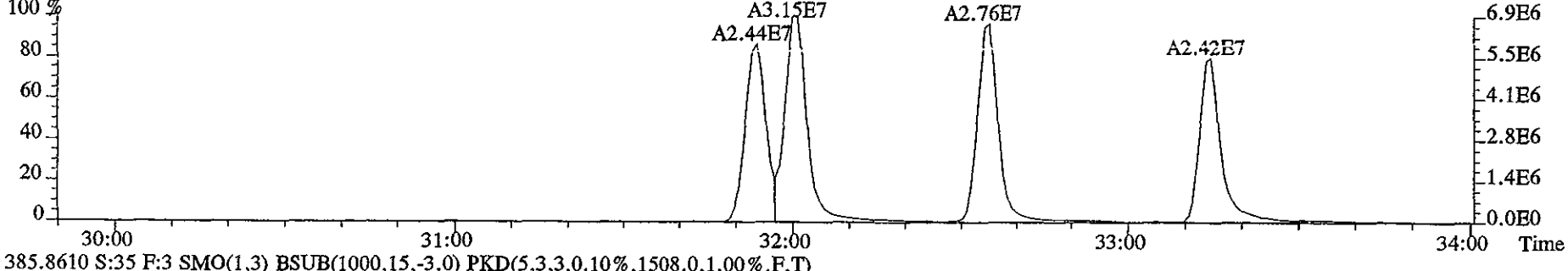
373.8208 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



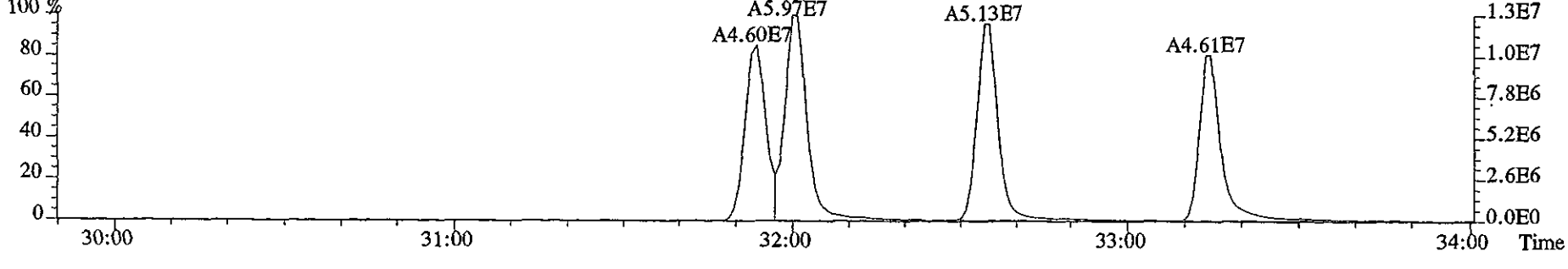
375.8178 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,336.0,1.00%,F,T)



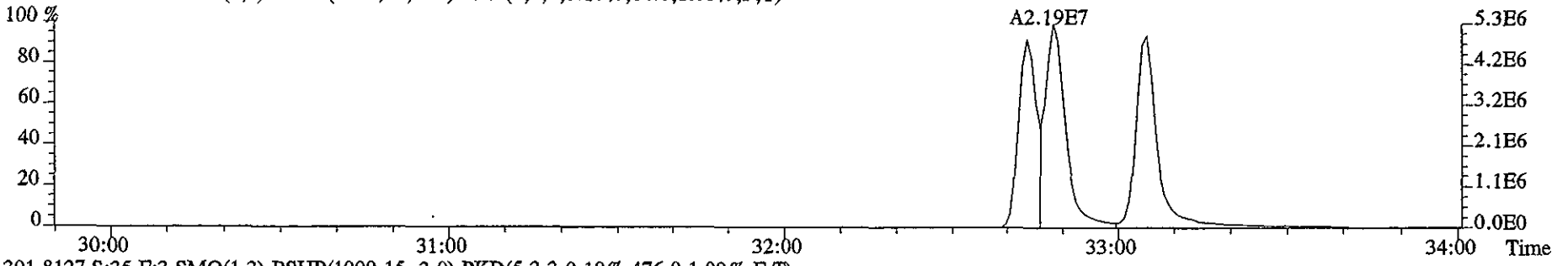
383.8639 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



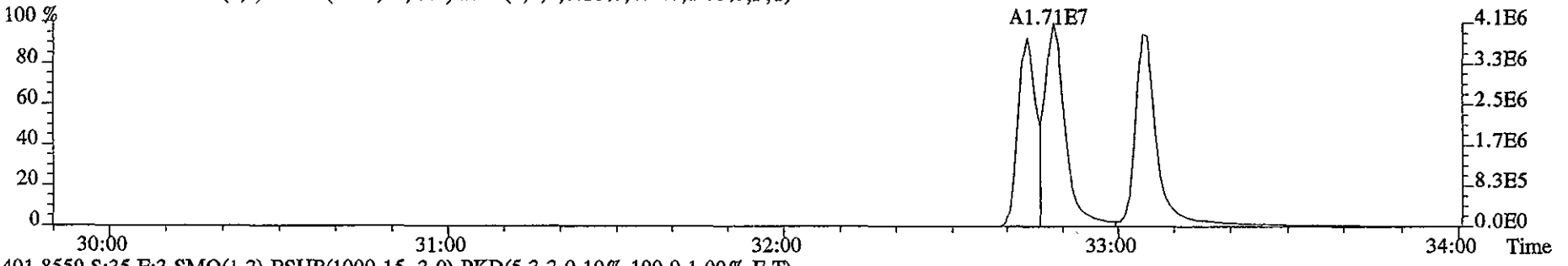
385.8610 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)



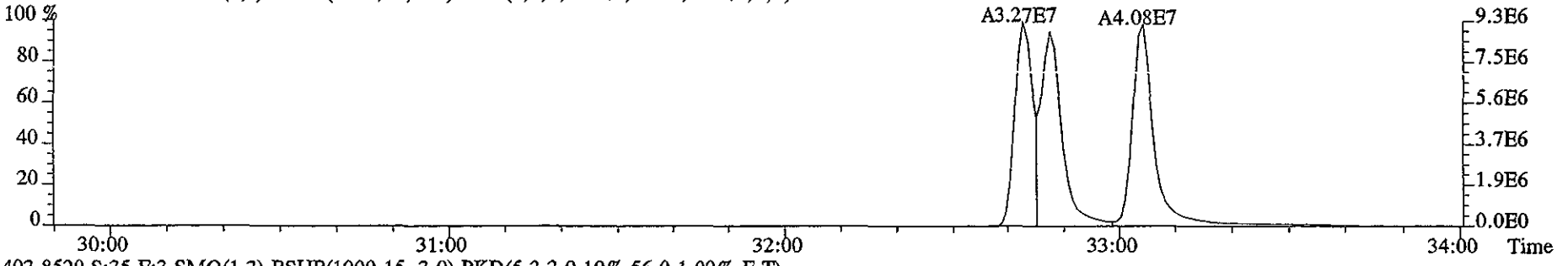
File:07MY104D5 #1-317 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
389.8157 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



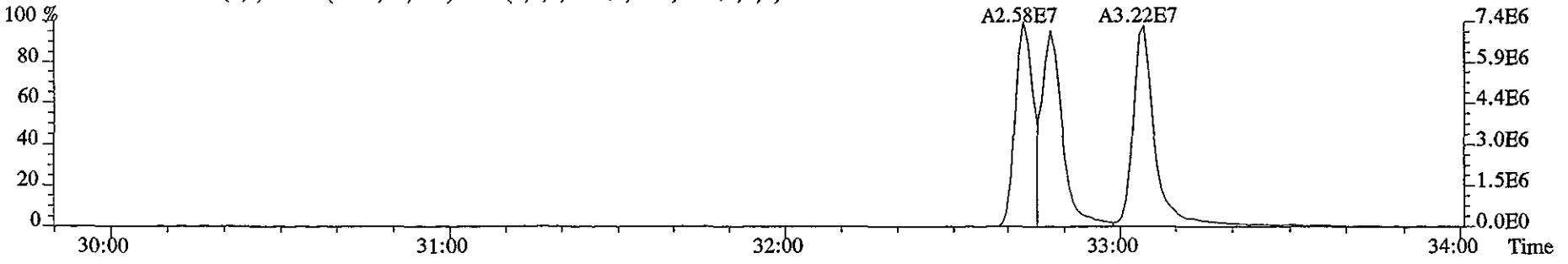
391.8127 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,476.0,1.00%,F,T)



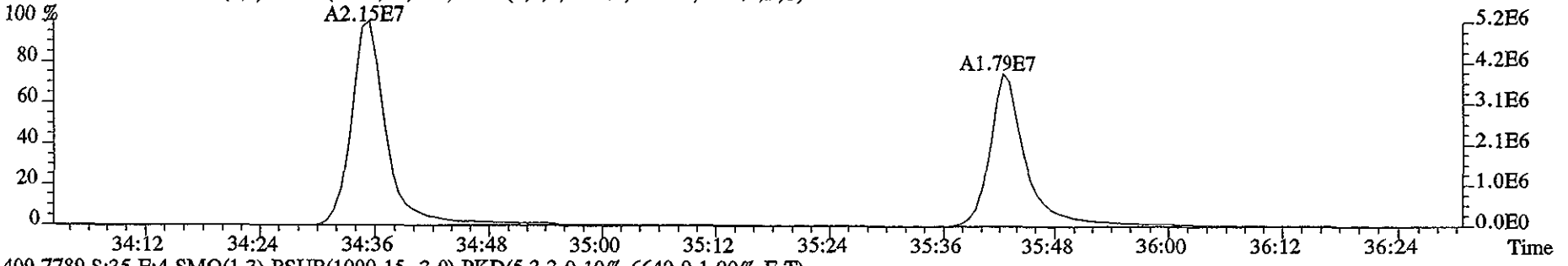
401.8559 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)



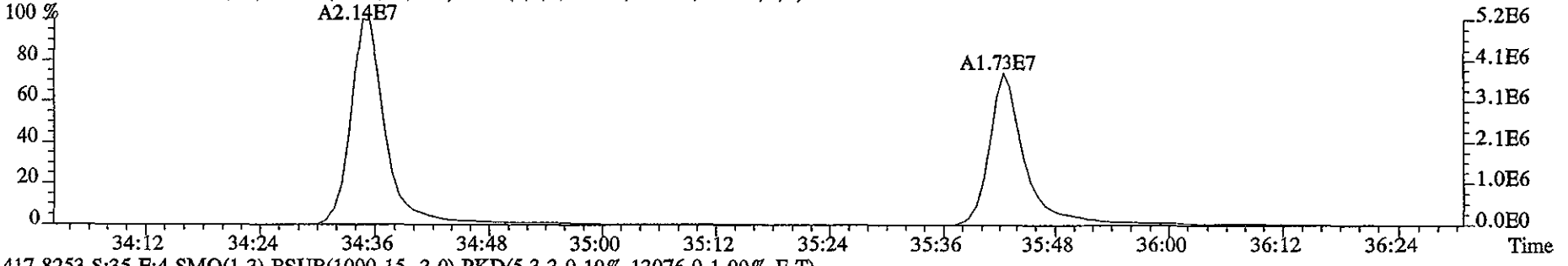
403.8529 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



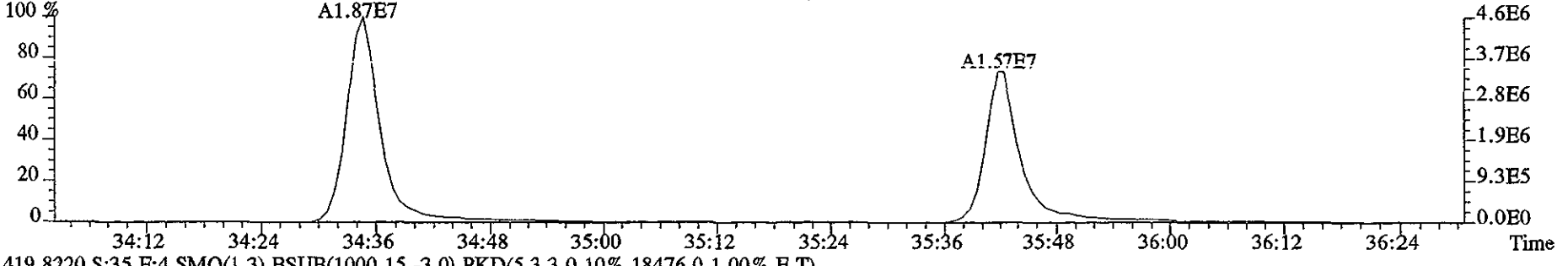
File:07MY104D5 #1-198 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
407.7818 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6044.0,1.00%,F,T)



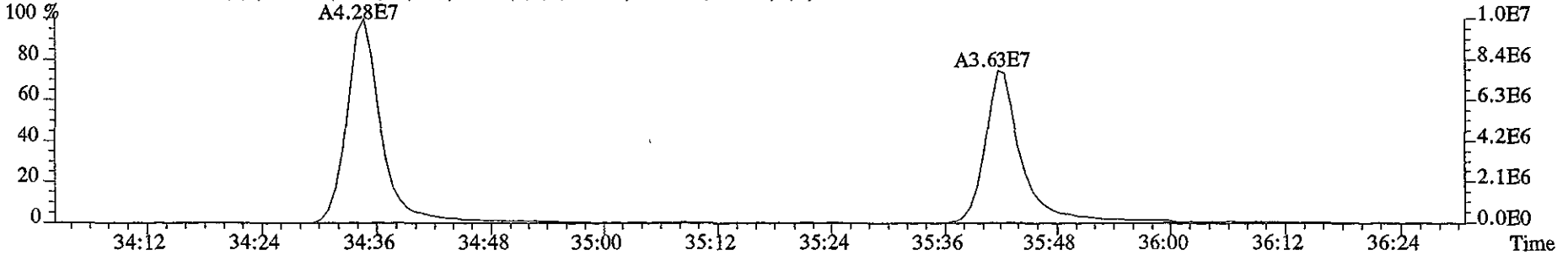
409.7789 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6640.0,1.00%,F,T)



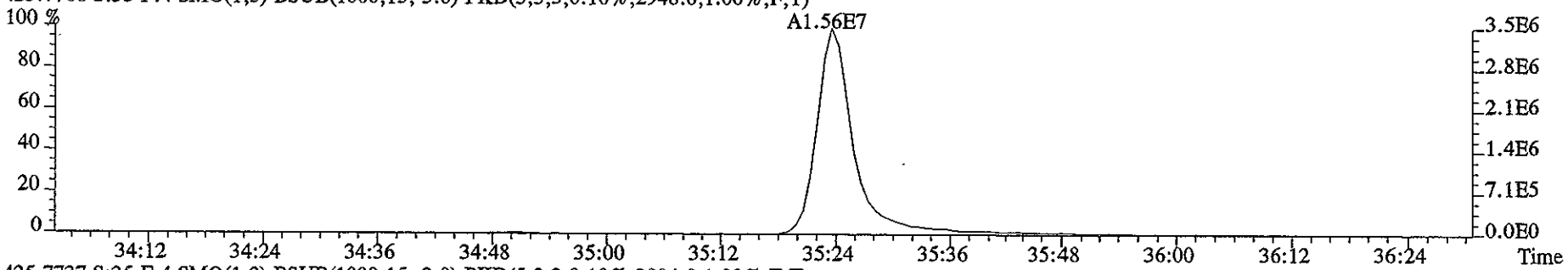
417.8253 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13076.0,1.00%,F,T)



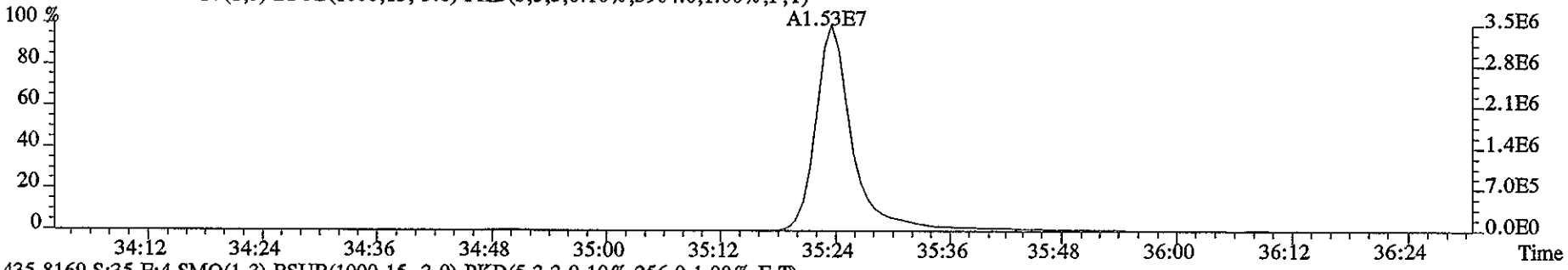
419.8220 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18476.0,1.00%,F,T)



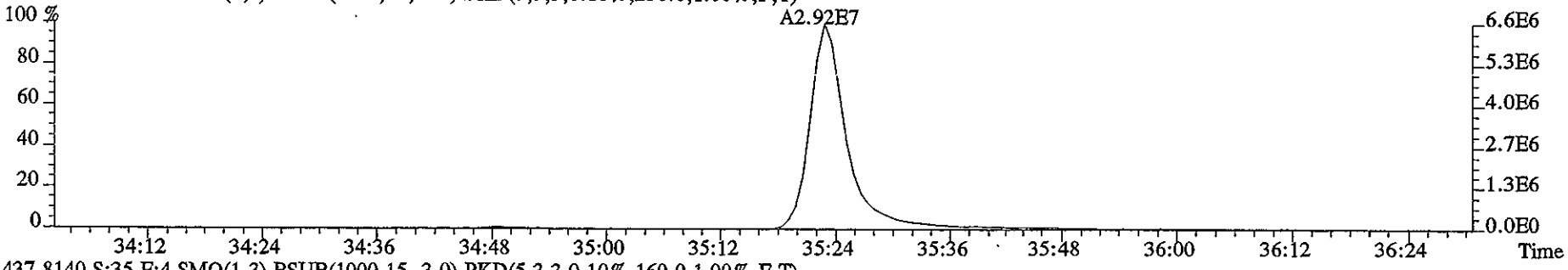
File:07MY104D5 #1-198 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
423.7766 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2948.0,1.00%,F,T)



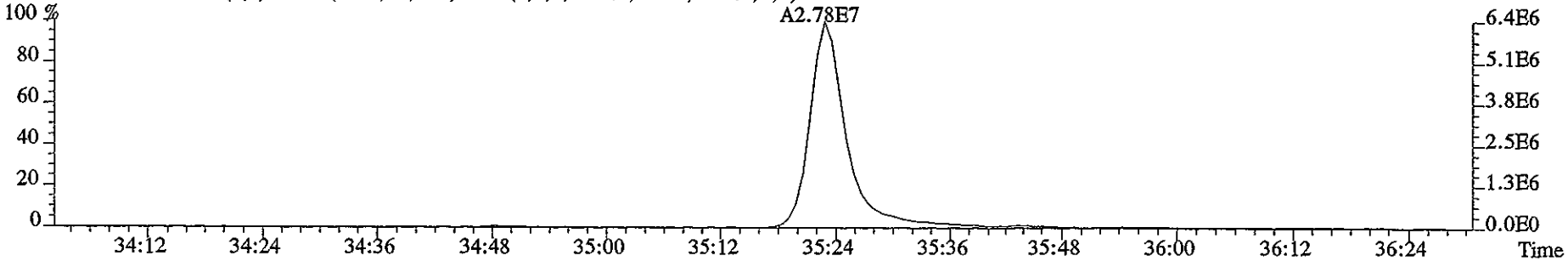
425.7737 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3904.0,1.00%,F,T)



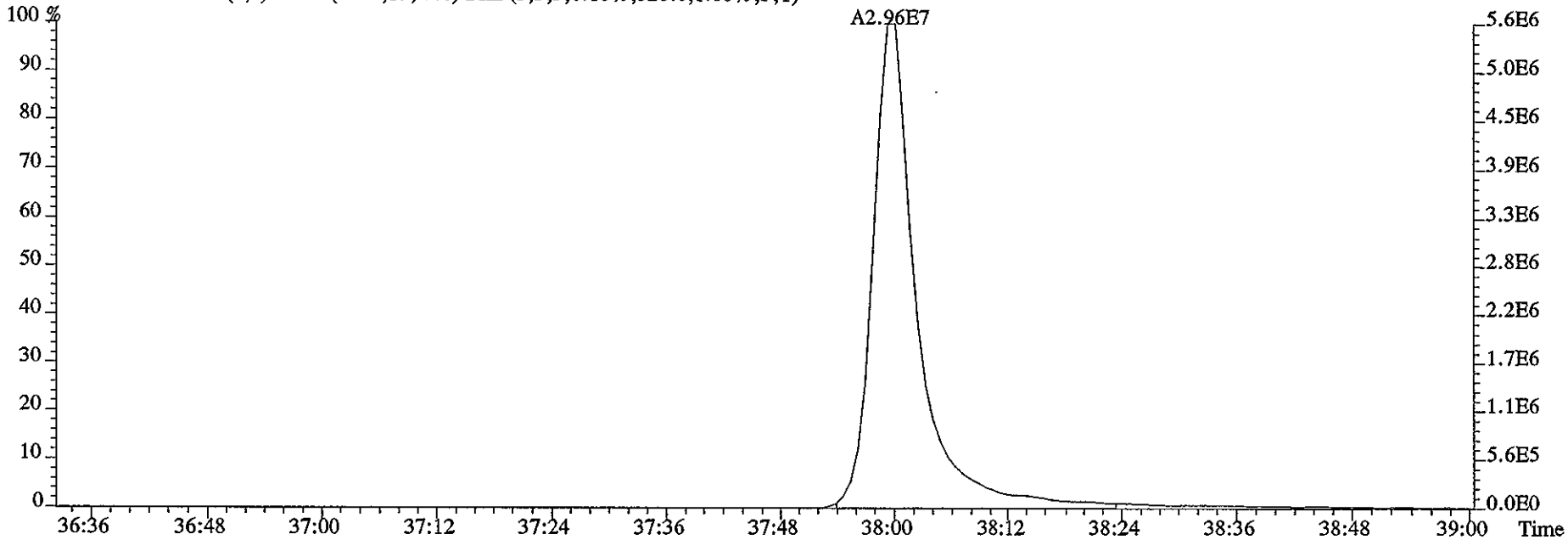
435.8169 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,256.0,1.00%,F,T)



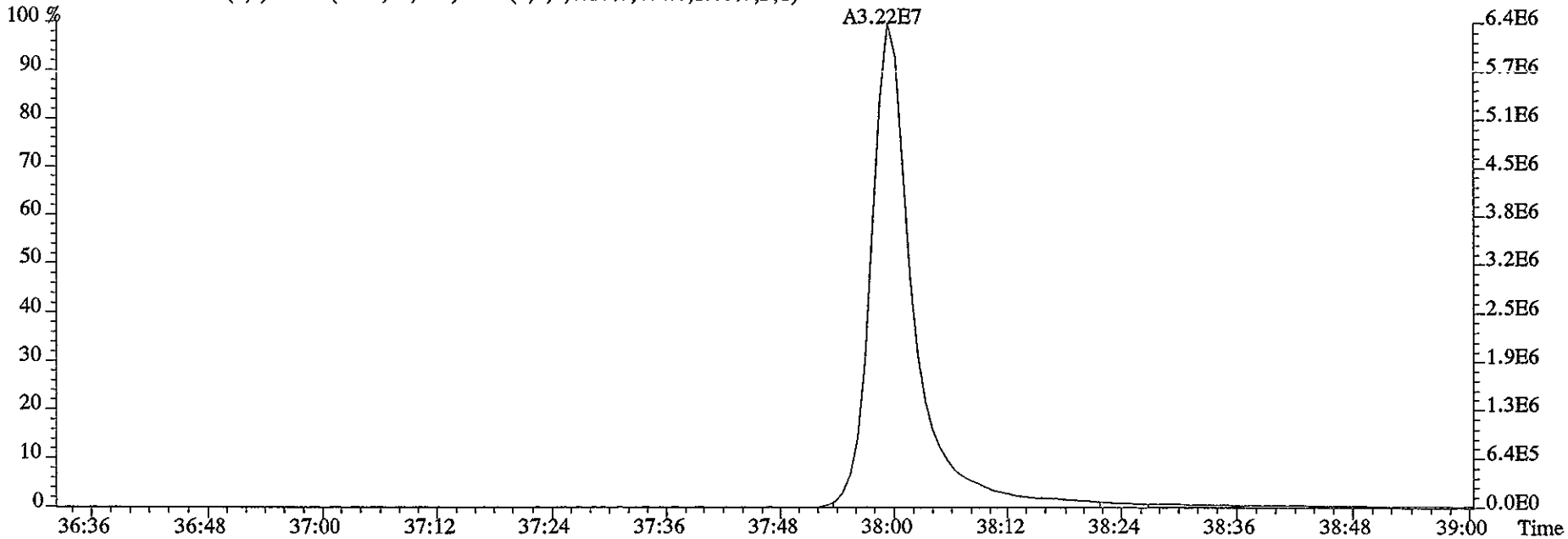
437.8140 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160.0,1.00%,F,T)



File:07MY104D5 #1-190 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A
441.7428 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,520.0,1.00%,F,T)

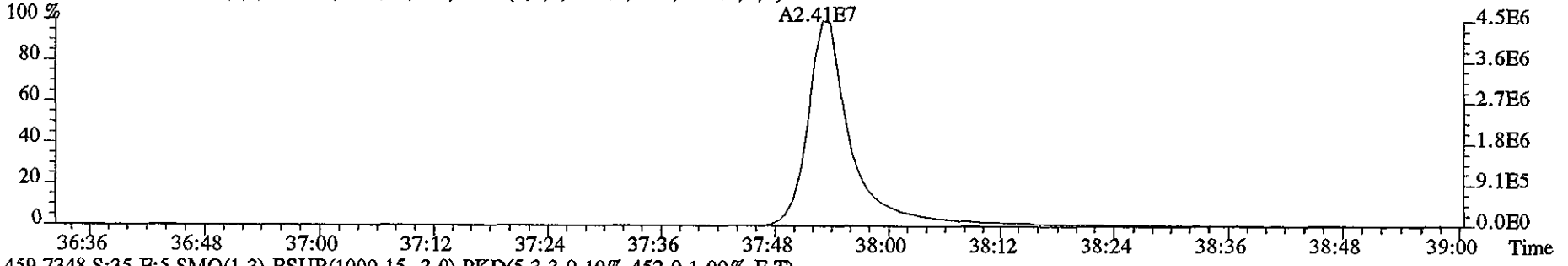


443.7399 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,404.0,1.00%,F,T)

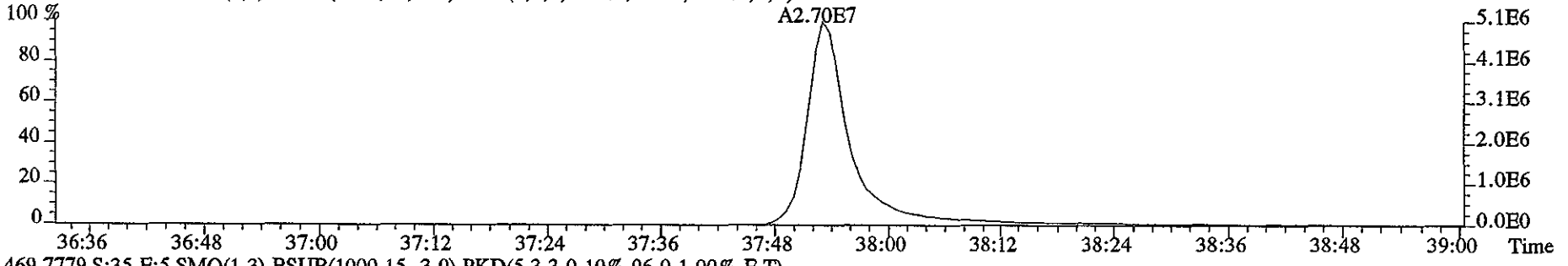


File:07MY104D5 #1-190 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

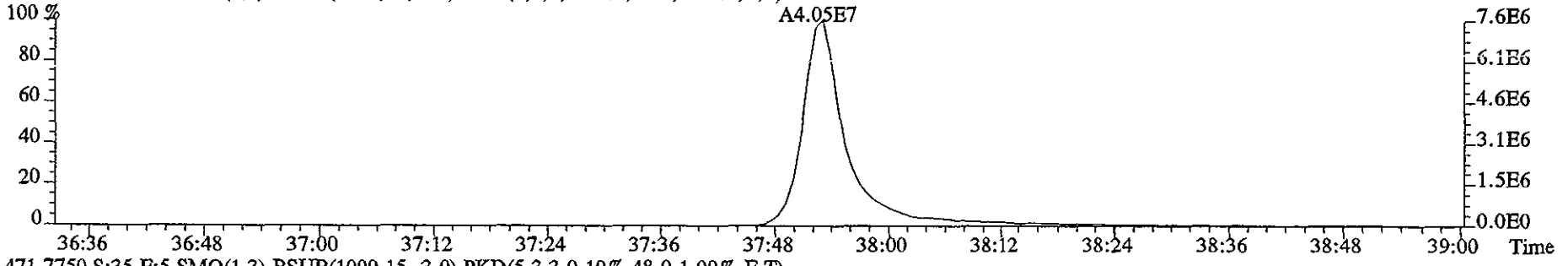
457.7377 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



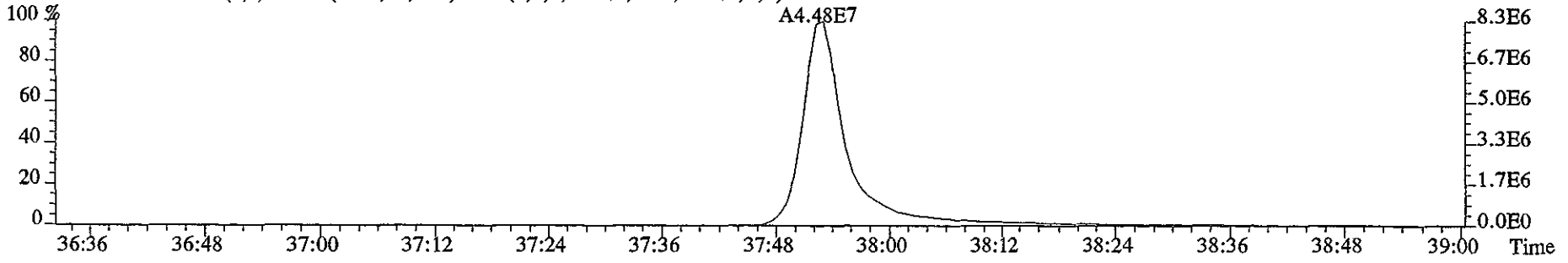
459.7348 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,452.0,1.00%,F,T)



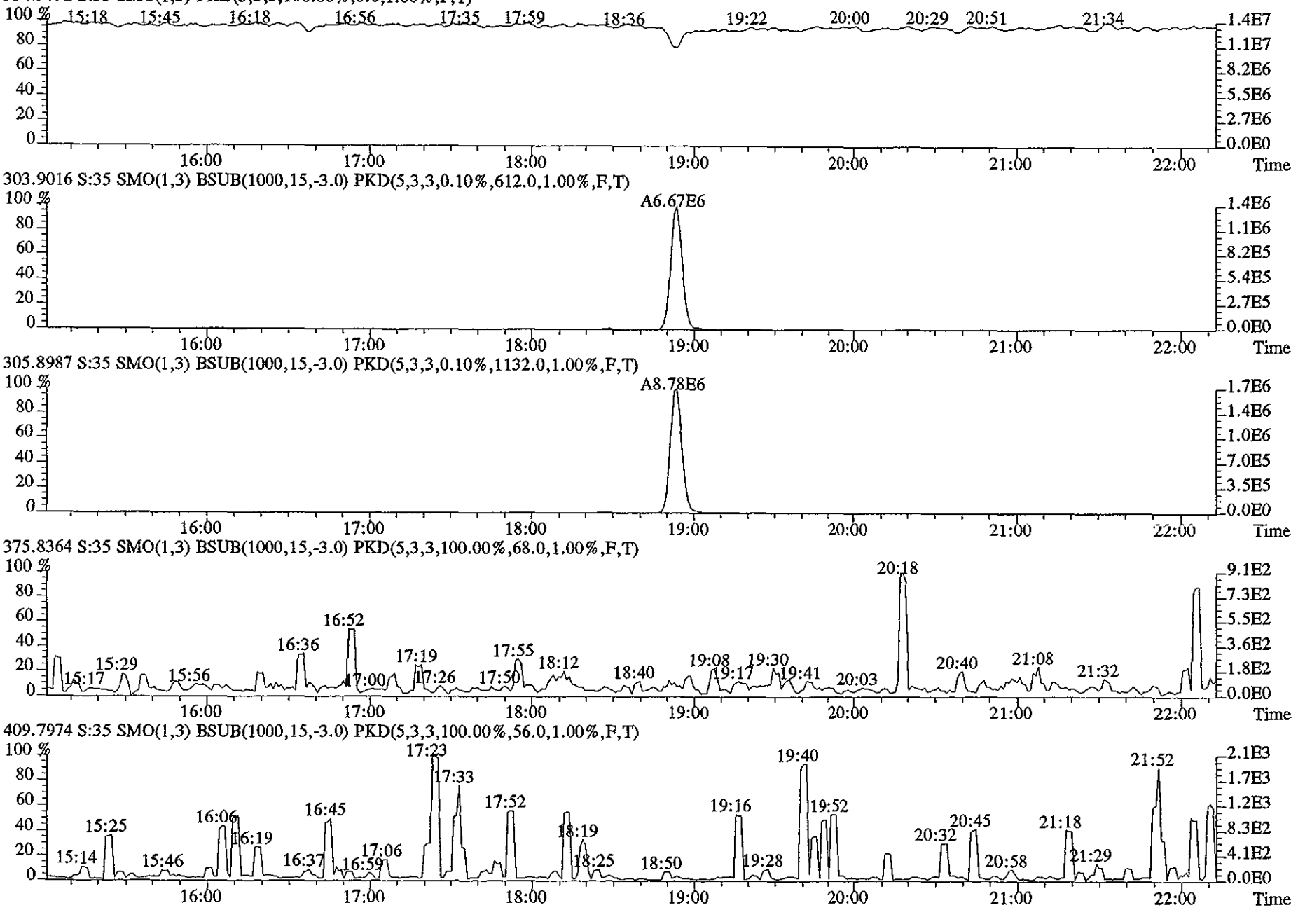
469.7779 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



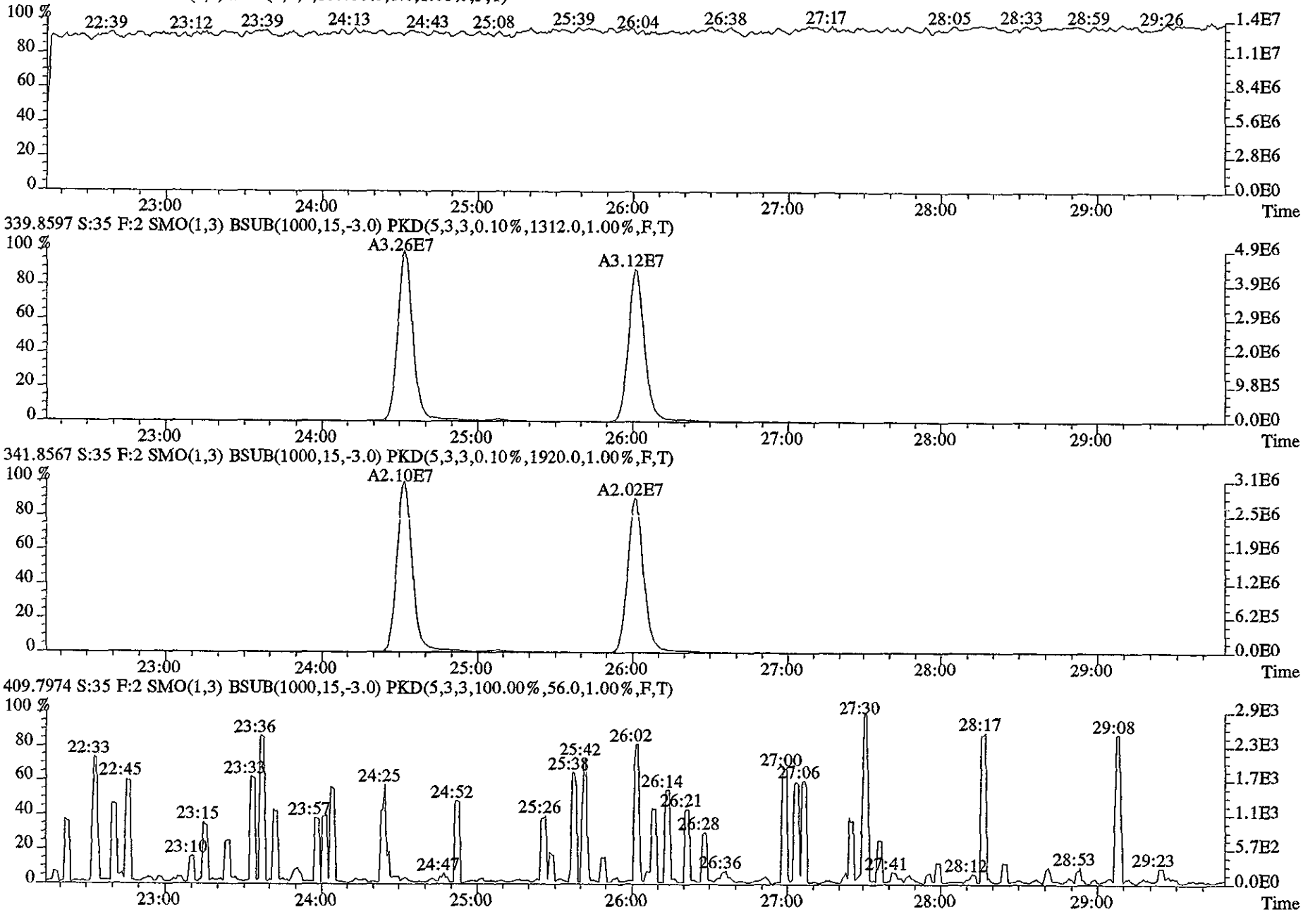
471.7750 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



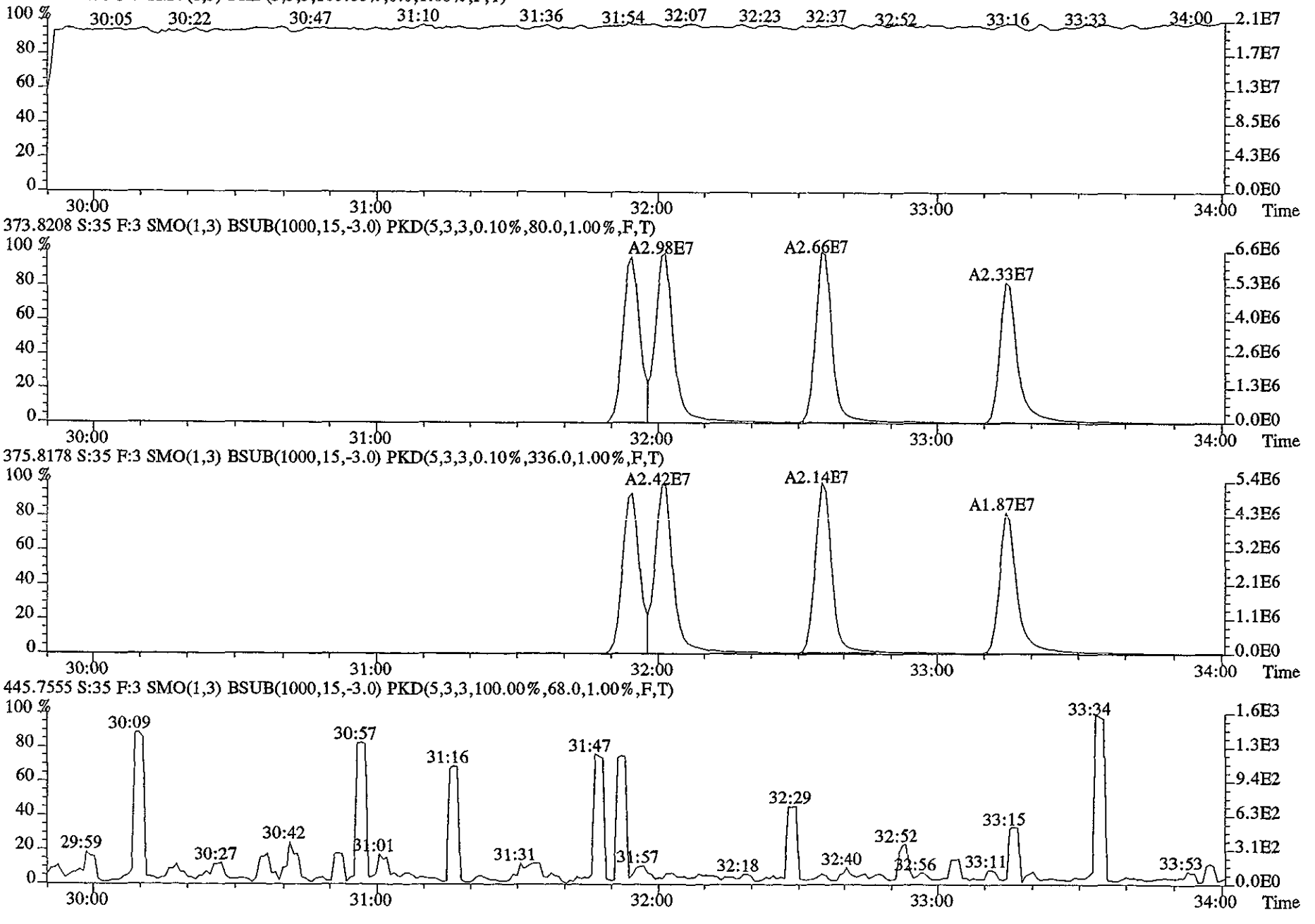
File:07MY104D5 #1-435 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A



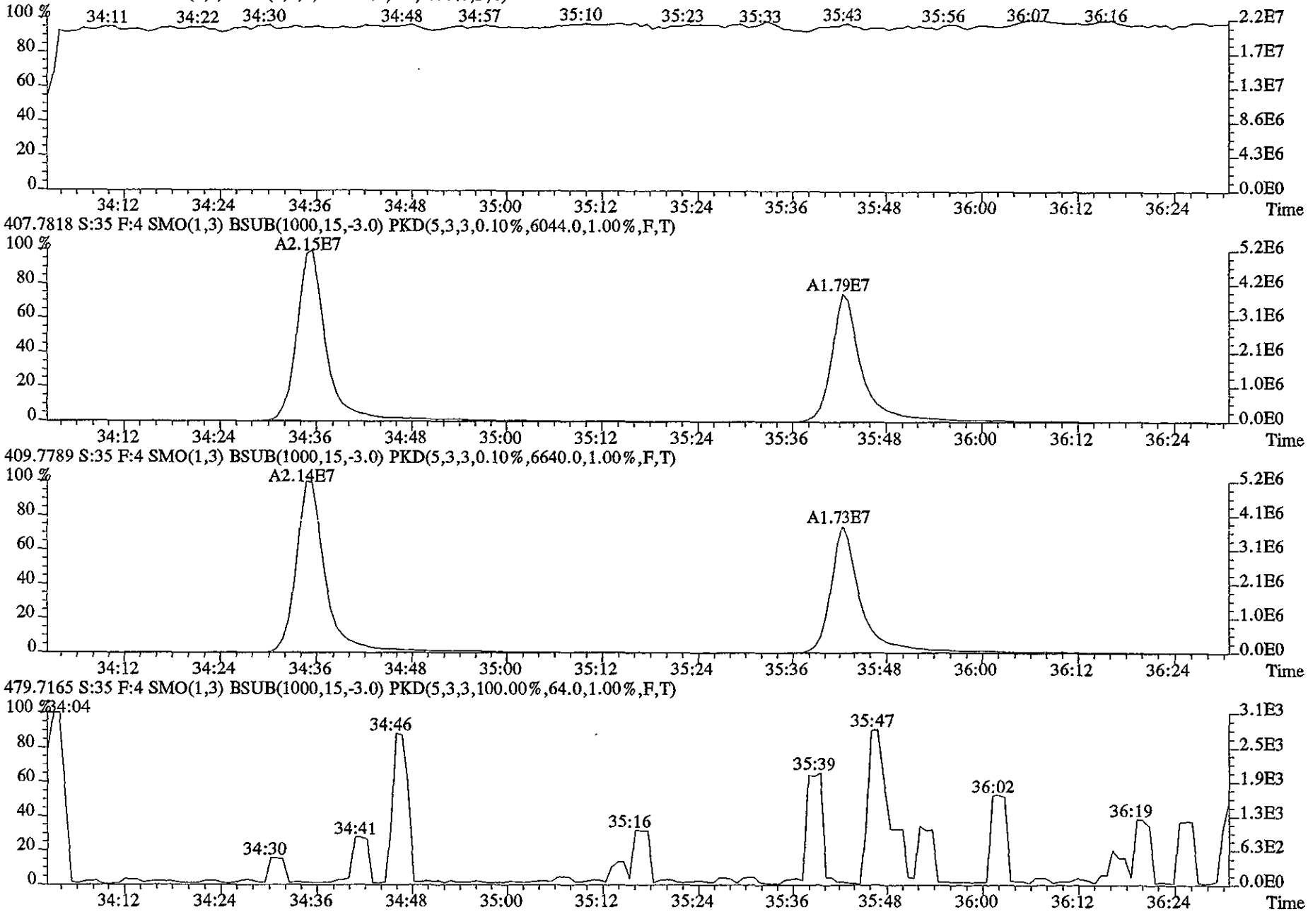
File:07MY104D5 #1-604 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A



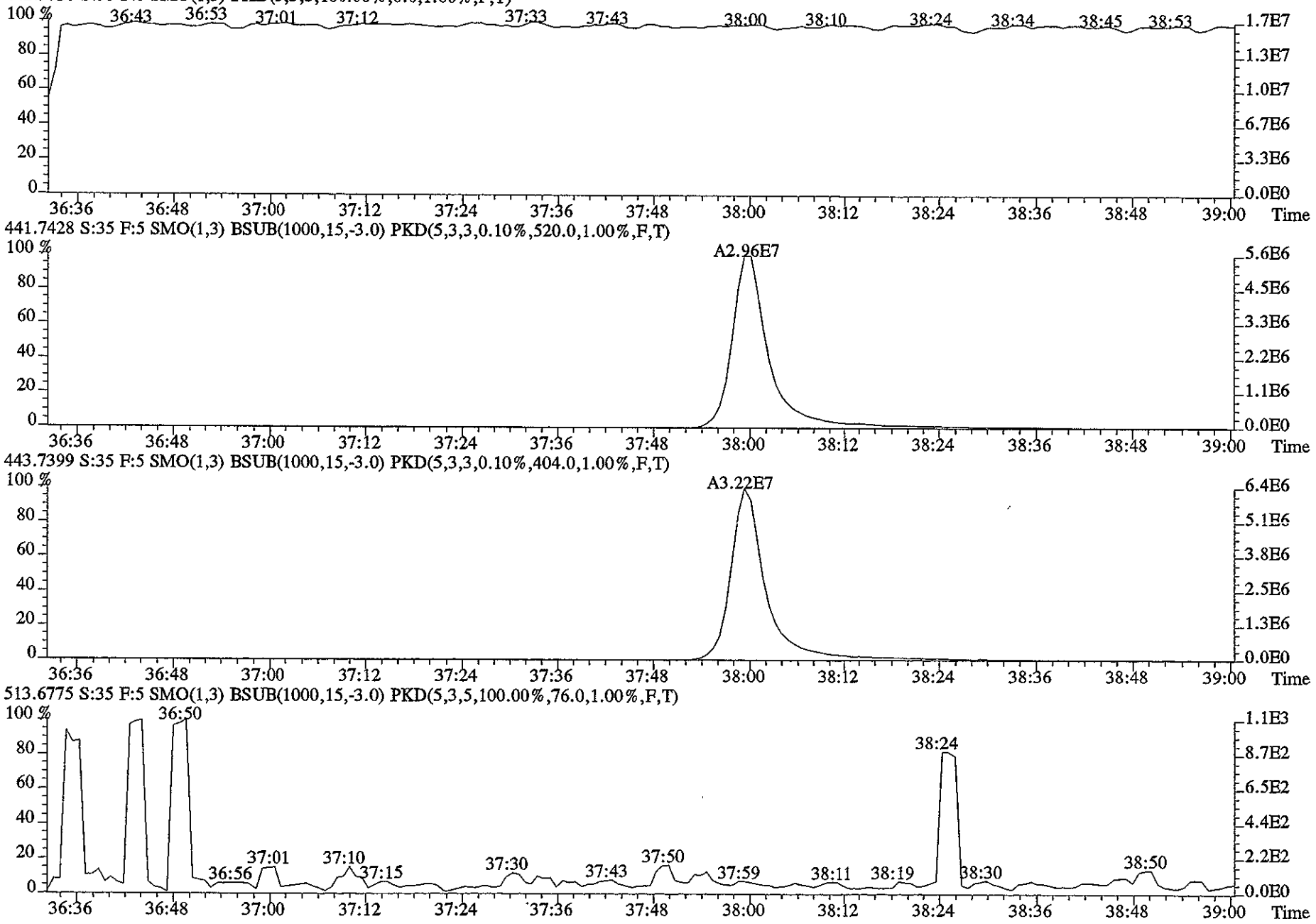
File:07MY104D5 #1-317 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A



File:07MY104D5 #1-198 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

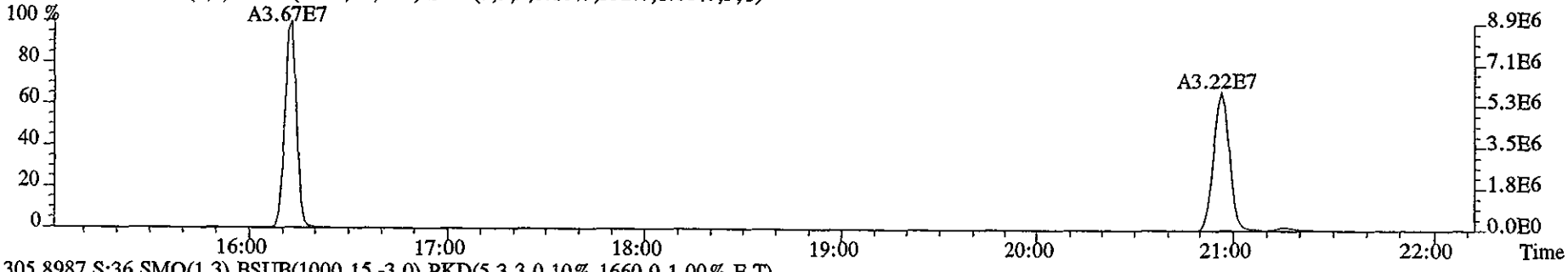


File:07MY104D5 #1-190 Acq: 8-MAY-2010 11:43:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#35 Text:ST0507B :CS3 10DXN126 Exp:DIOXINRES8290A

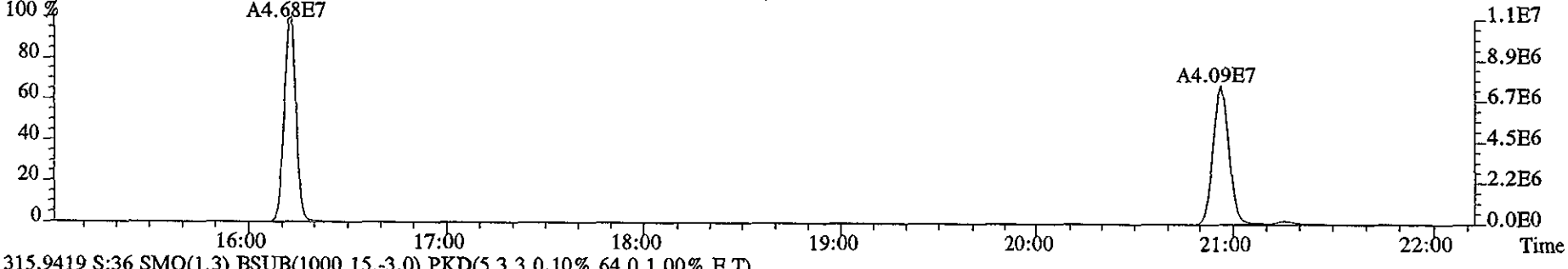


File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

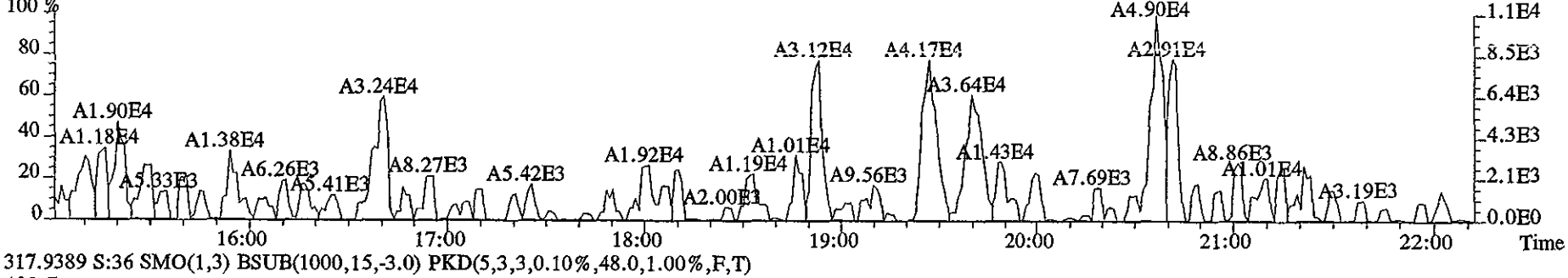
303.9016 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,532.0,1.00%,F,T)



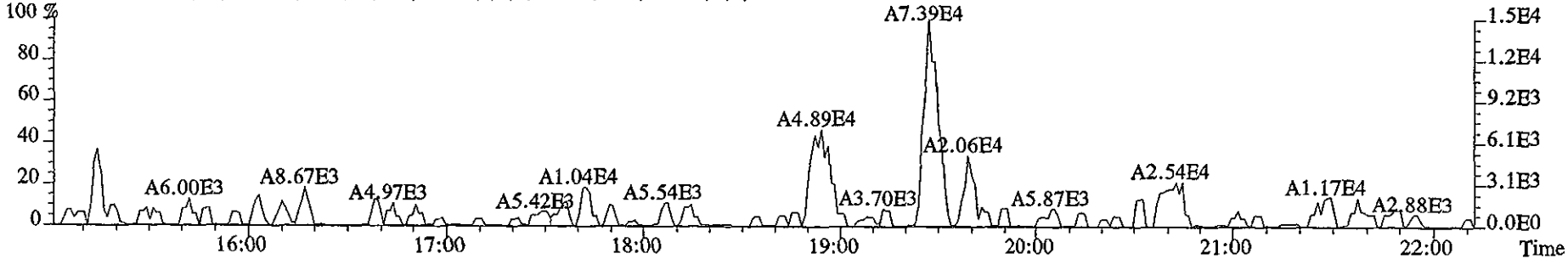
305.8987 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)



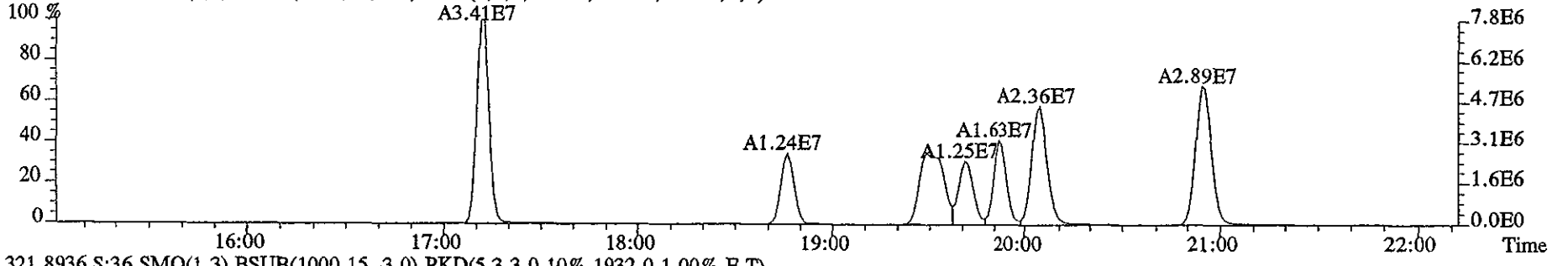
315.9419 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)

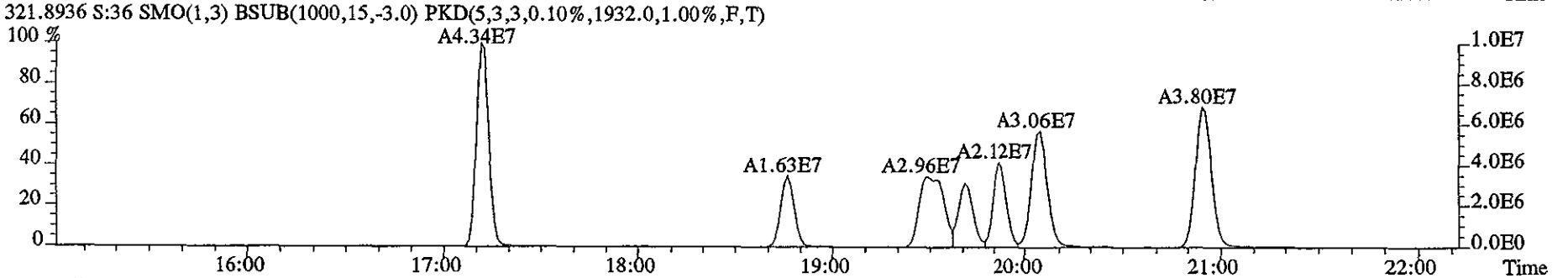


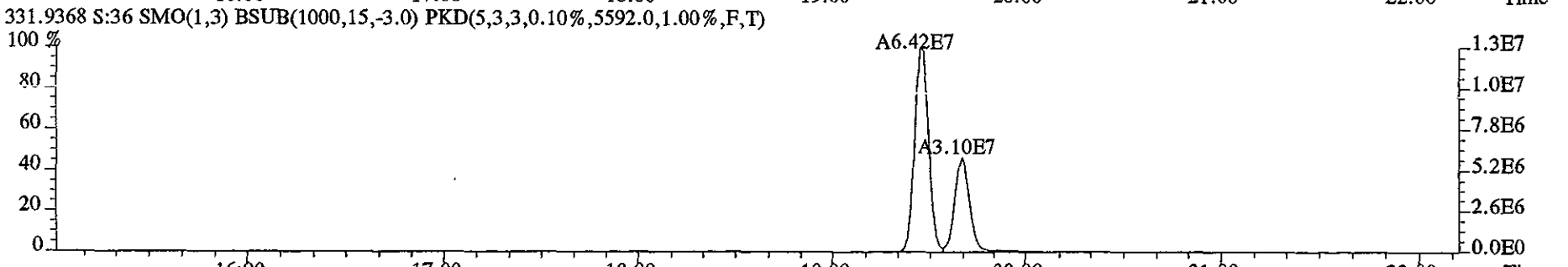
317.9389 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)

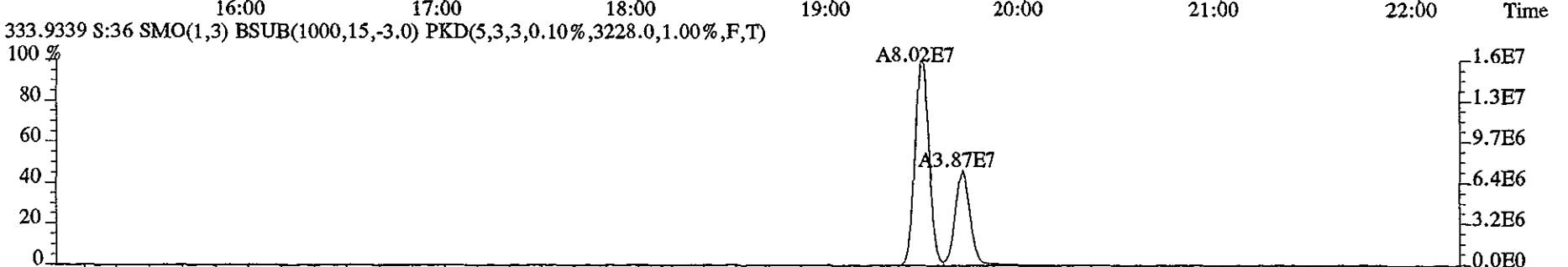


File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

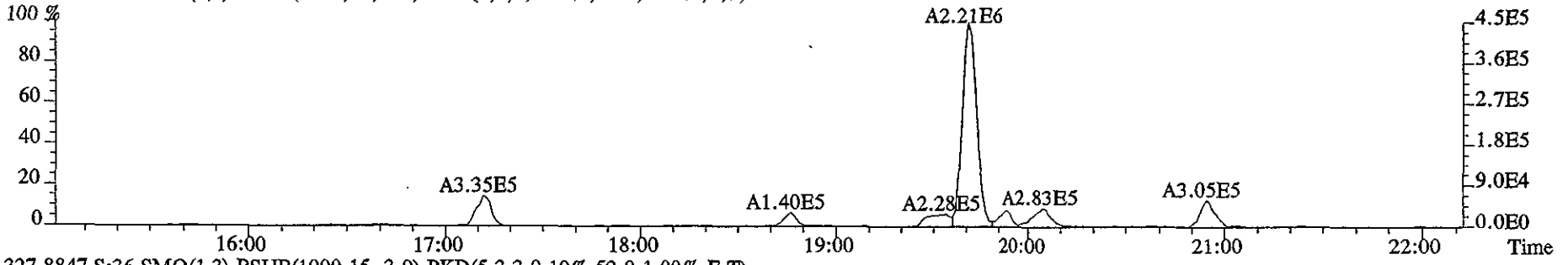




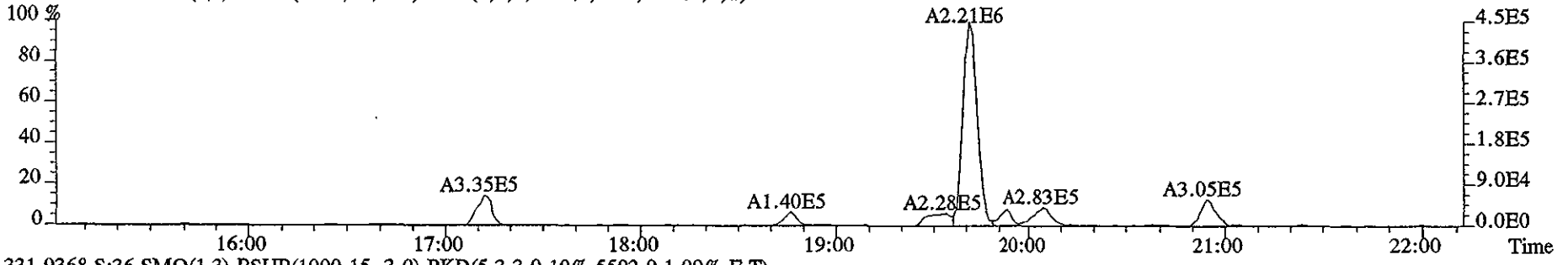




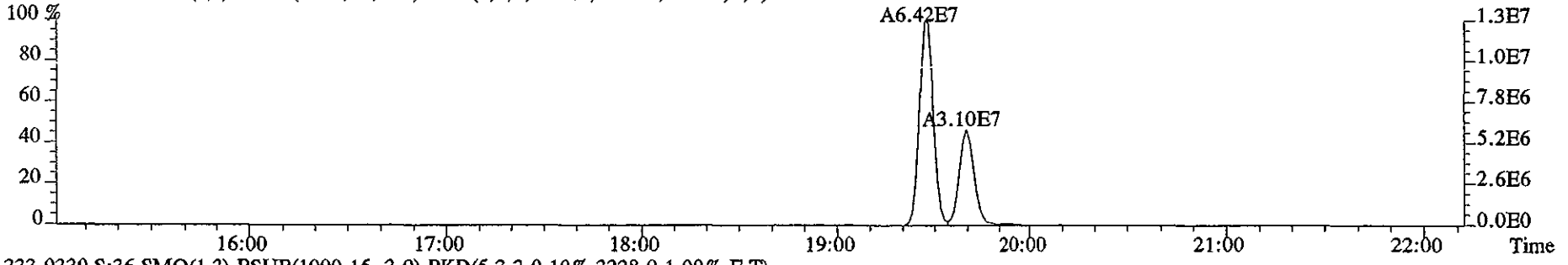
File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



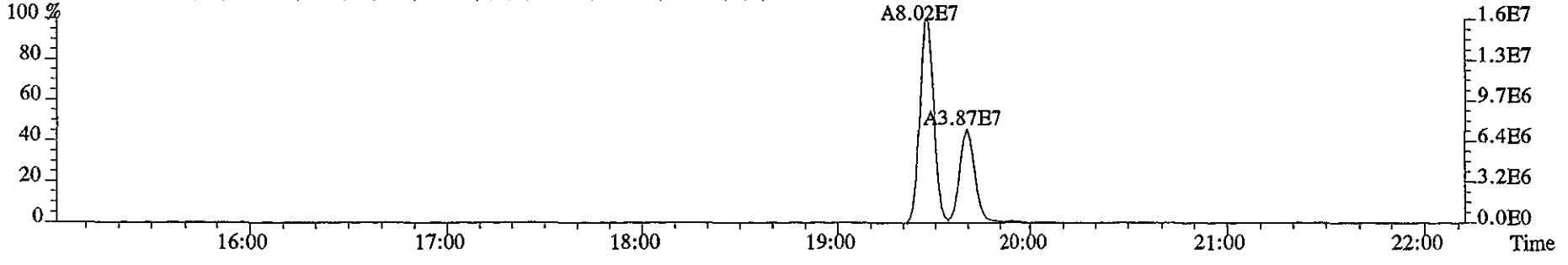
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



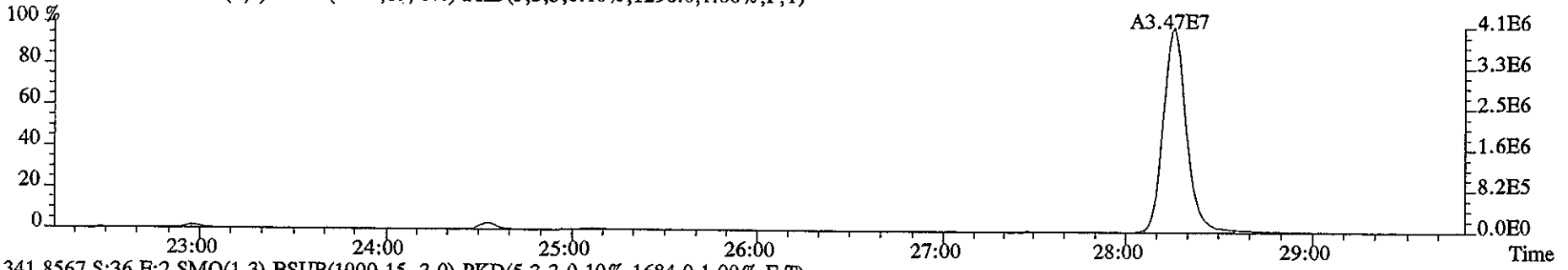
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5592.0,1.00%,F,T)



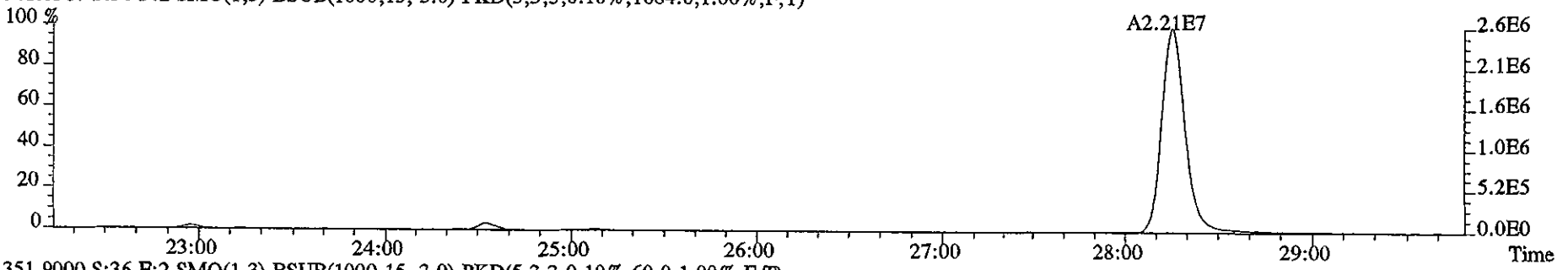
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



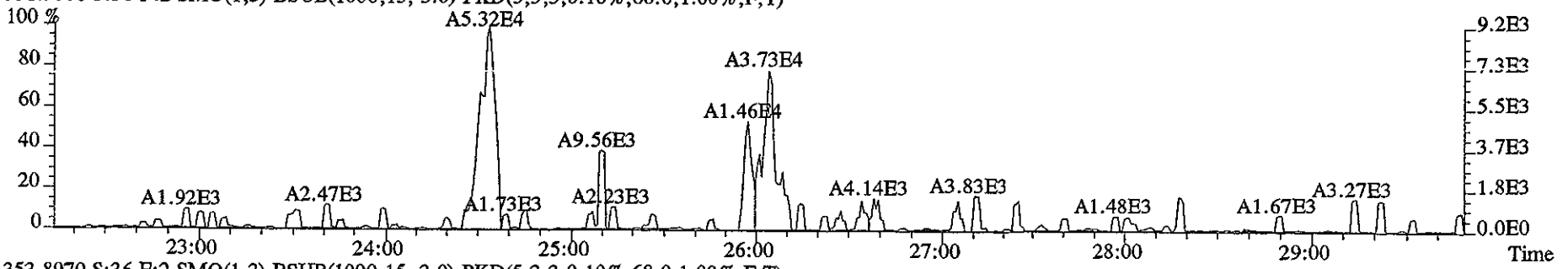
File:07MY104D5 #1-605 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



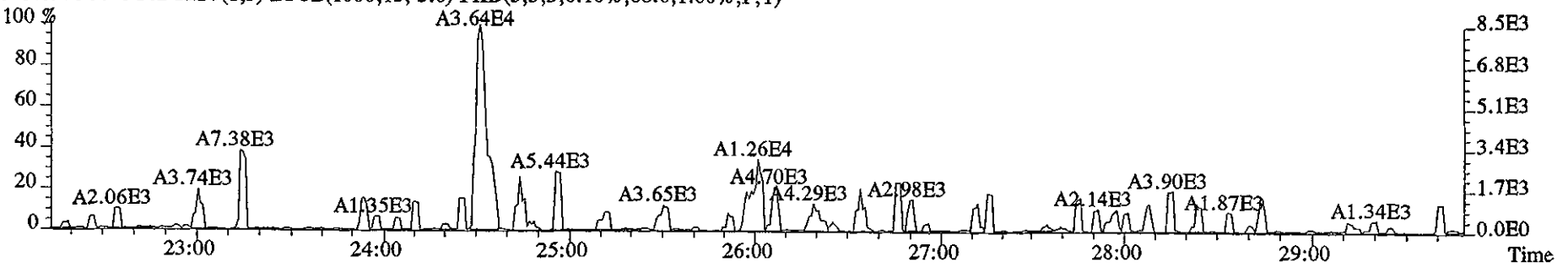
341.8567 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)



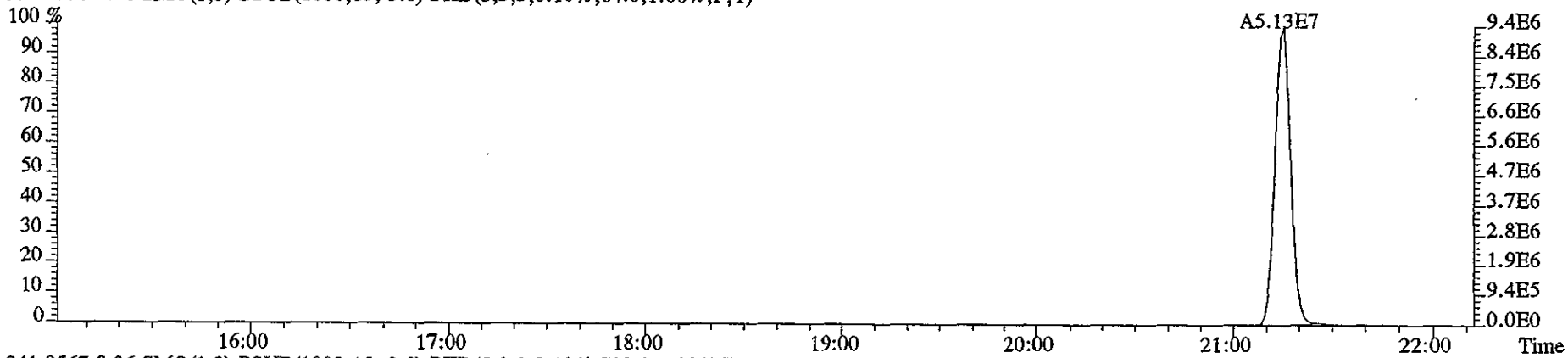
351.9000 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



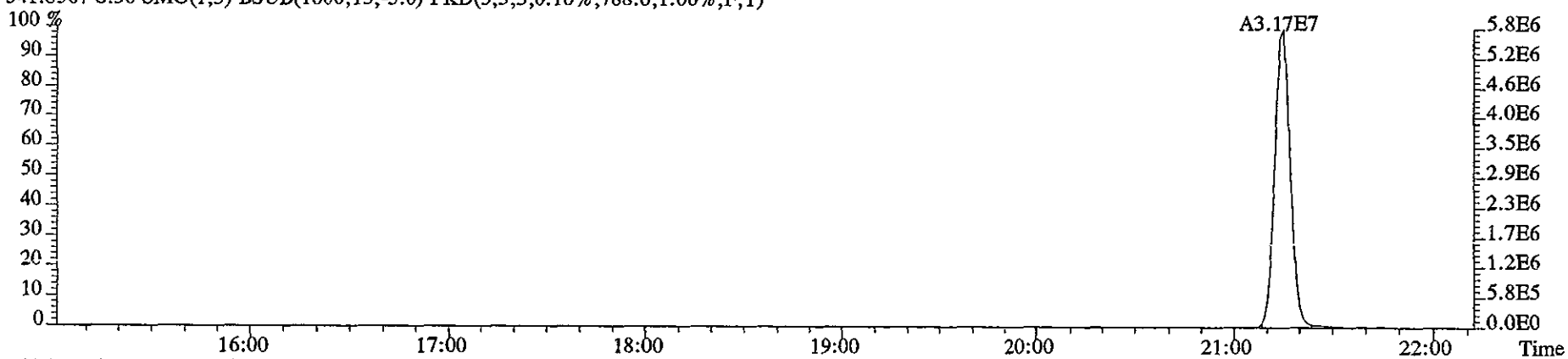
353.8970 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



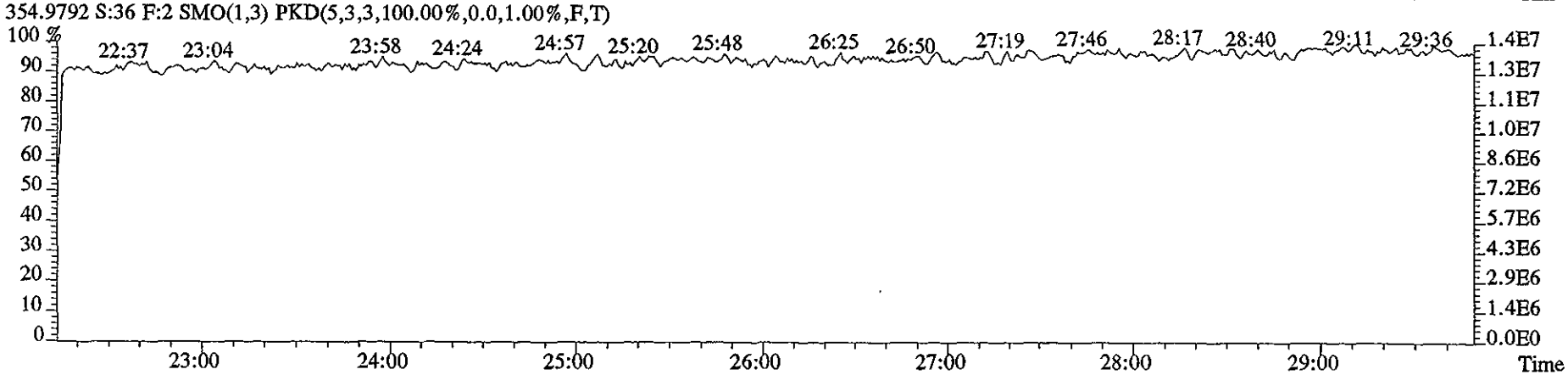
File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



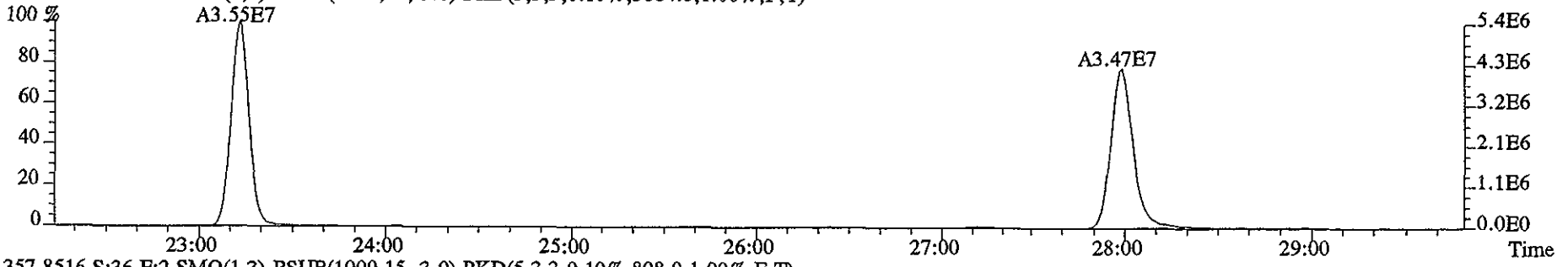
341.8567 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,788.0,1.00%,F,T)



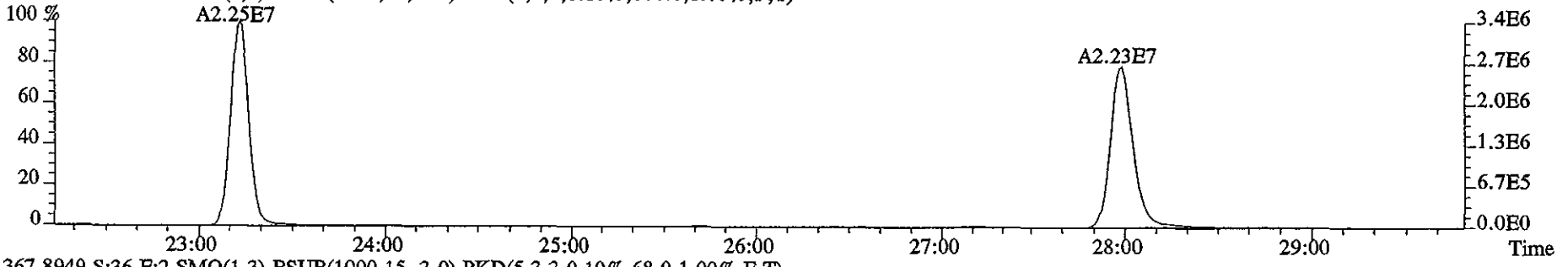
354.9792 S:36 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



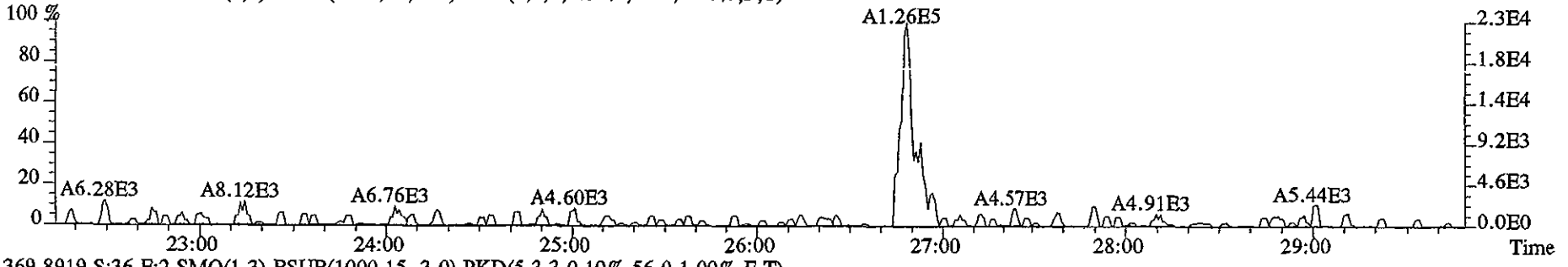
File:07MY104D5 #1-605 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
355.8546 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084.0,1.00%,F,T)



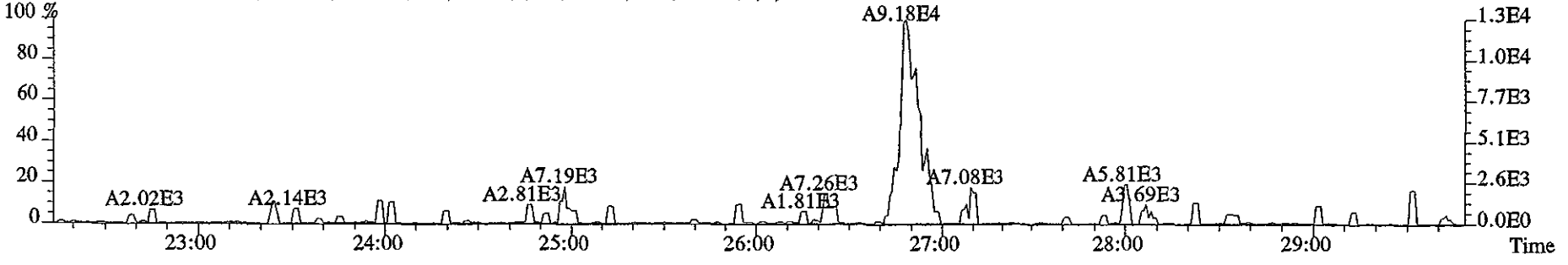
357.8516 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,808.0,1.00%,F,T)



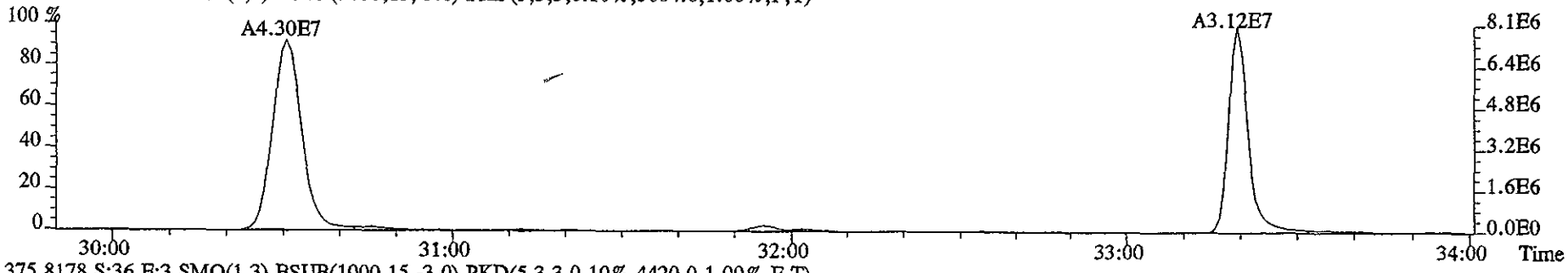
367.8949 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)

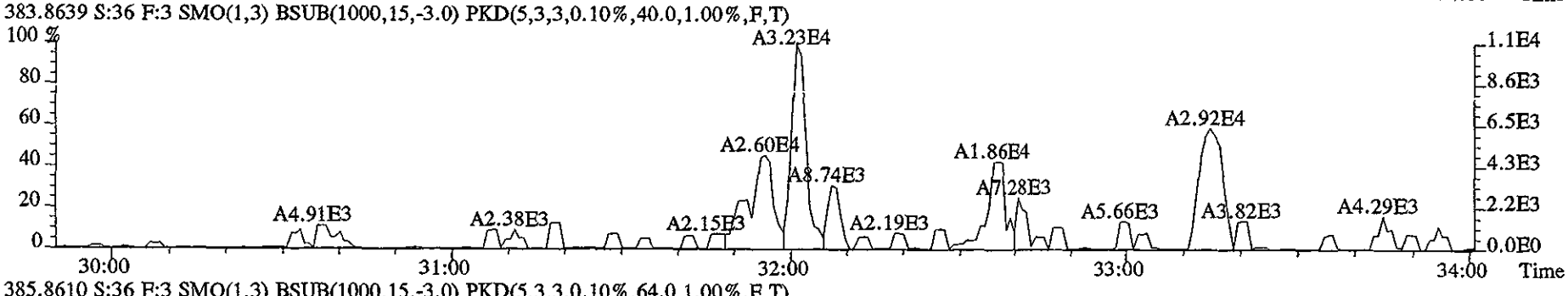


369.8919 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)

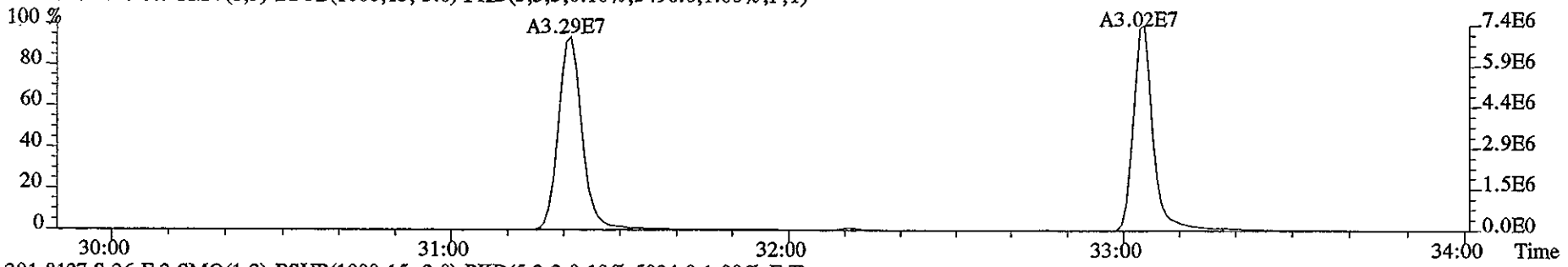


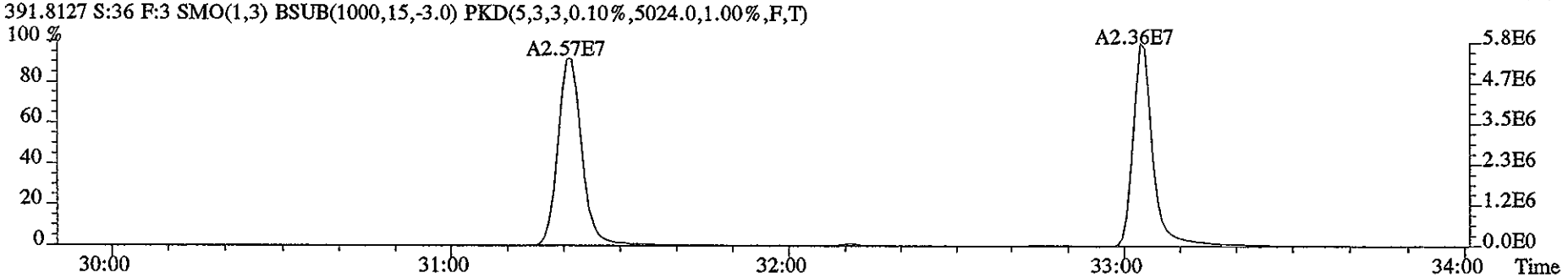
File:07MY104D5 #1-317 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

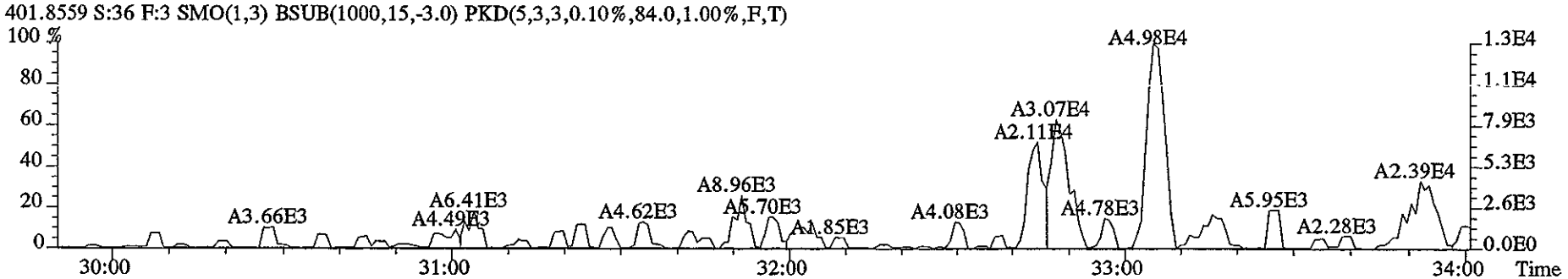


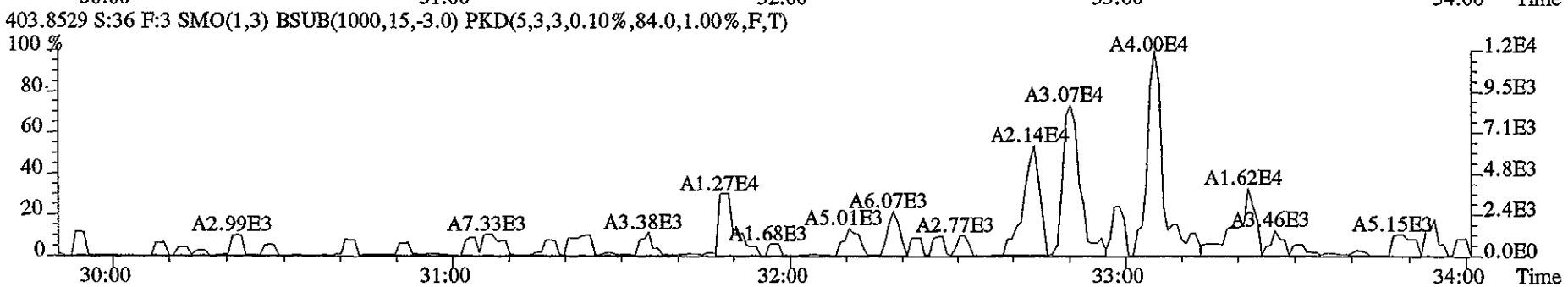


File:07MY104D5 #1-317 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

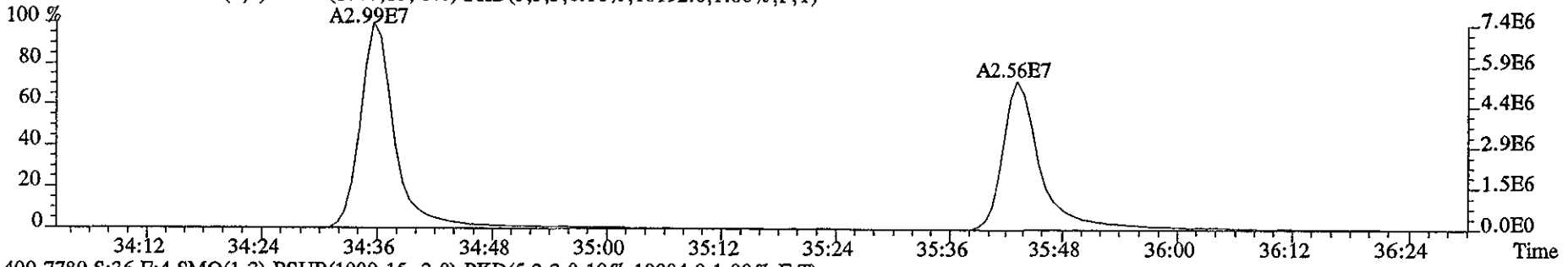




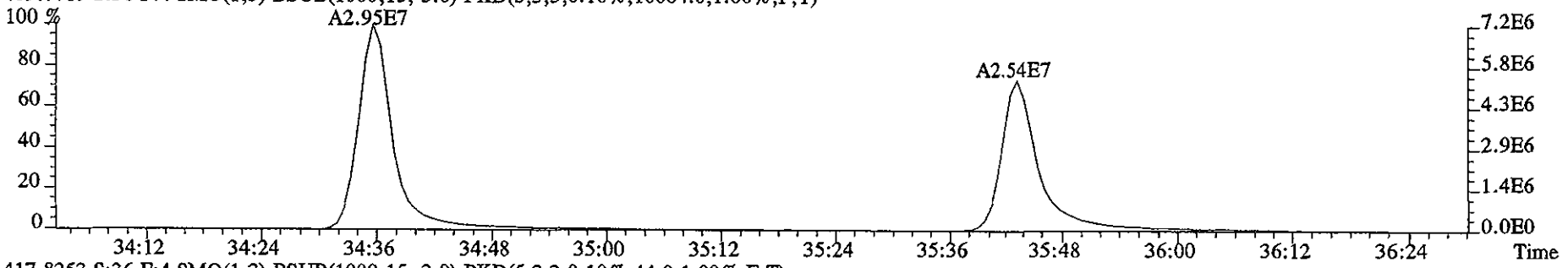




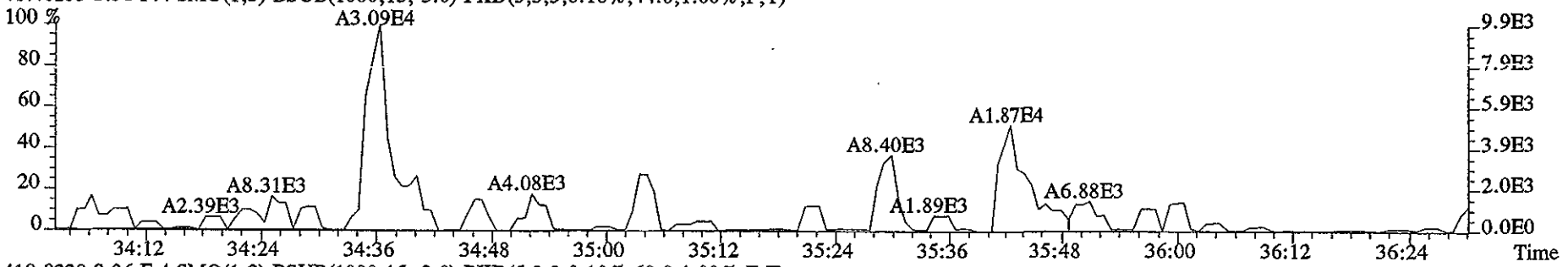
File:07MY104D5 #1-197 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10192.0,1.00%,F,T)



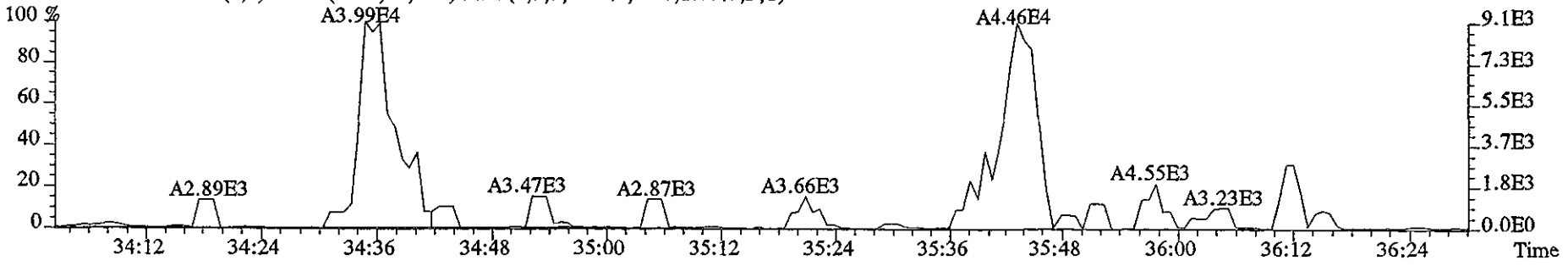
409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10084.0,1.00%,F,T)



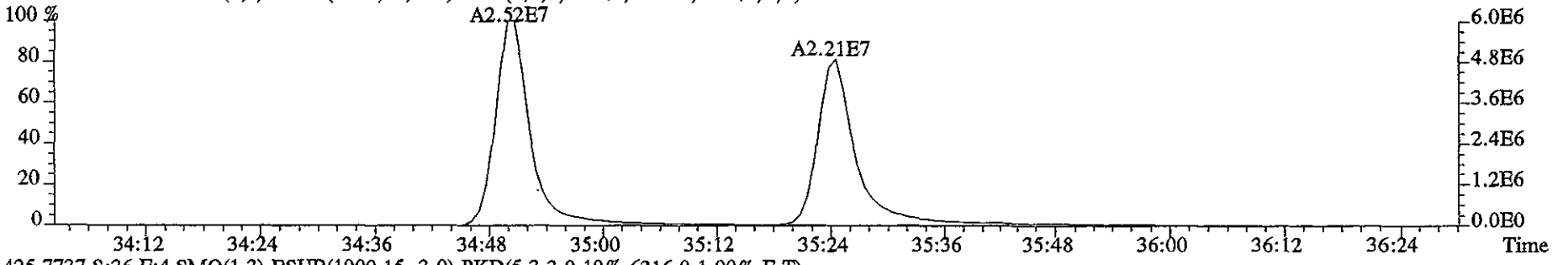
417.8253 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)

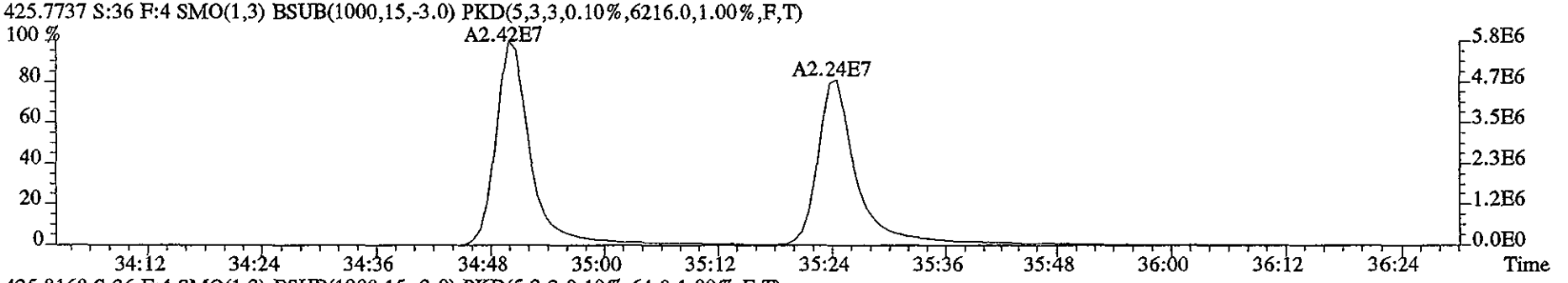


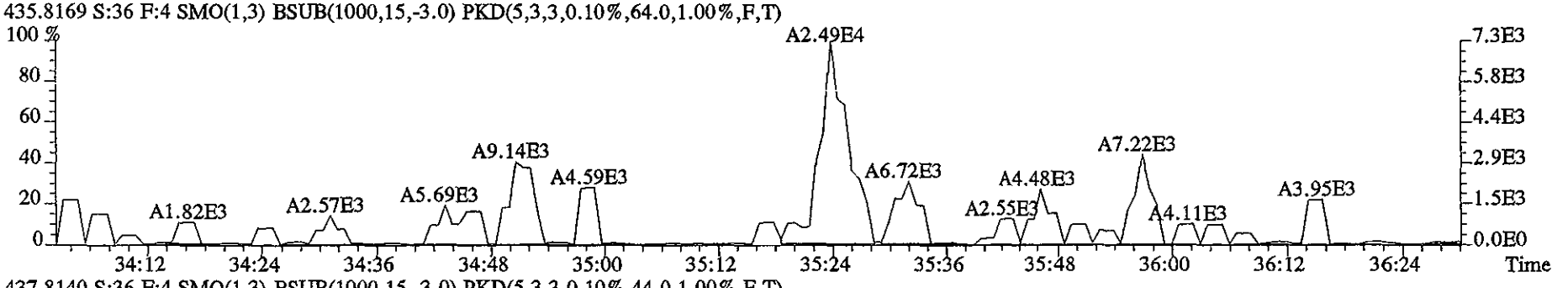
419.8220 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)

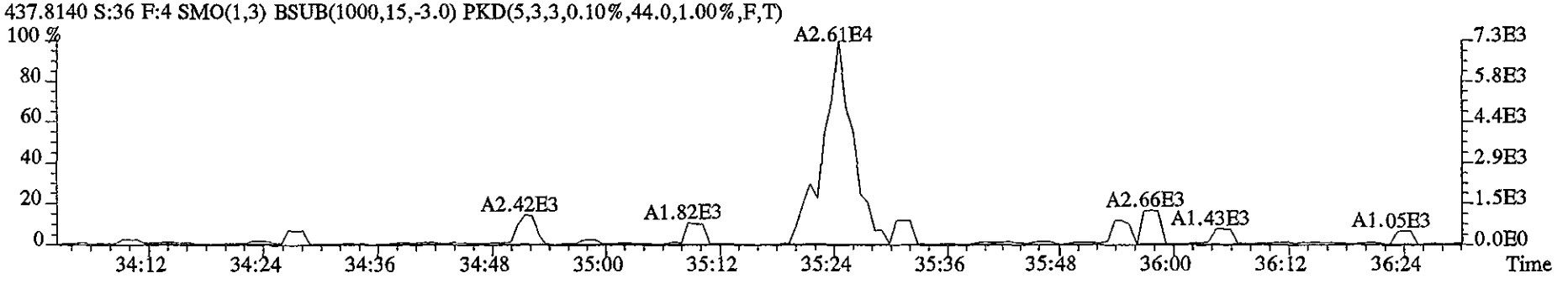


File:07MY104D5 #1-197 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

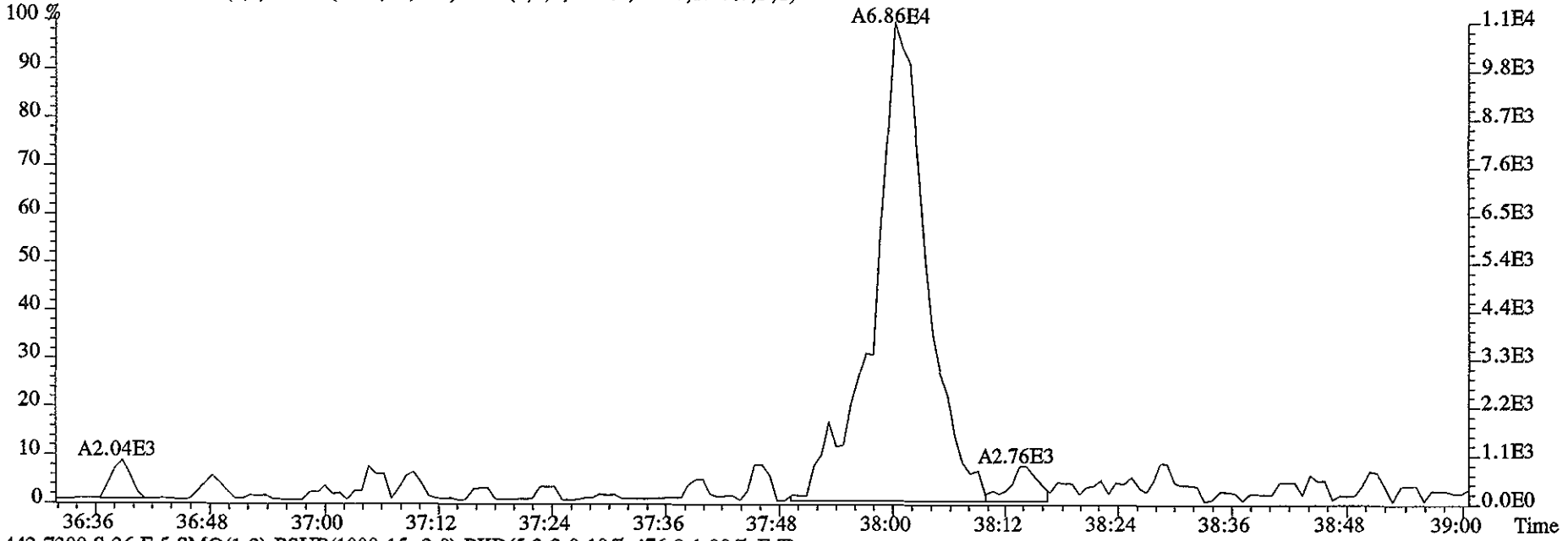




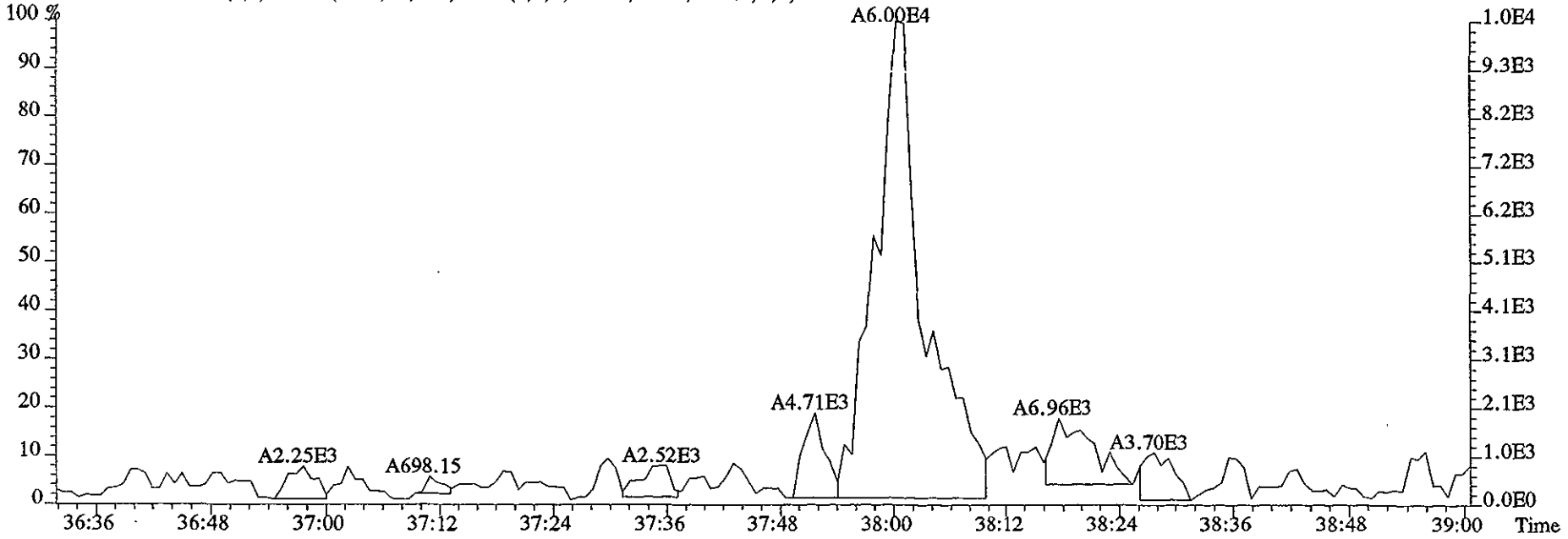




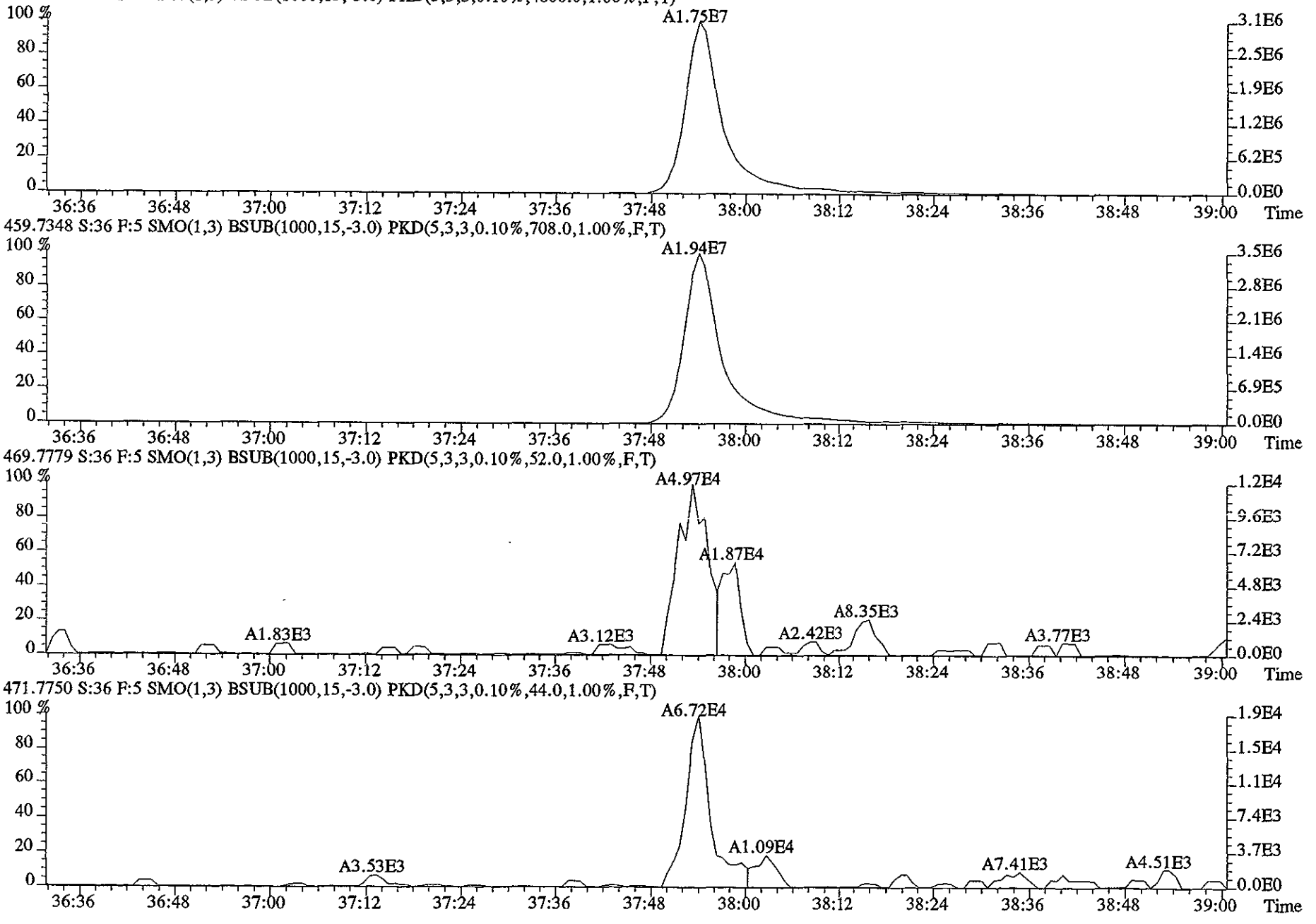
File:07MY104D5 #1-191 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,428.0,1.00%,F,T)



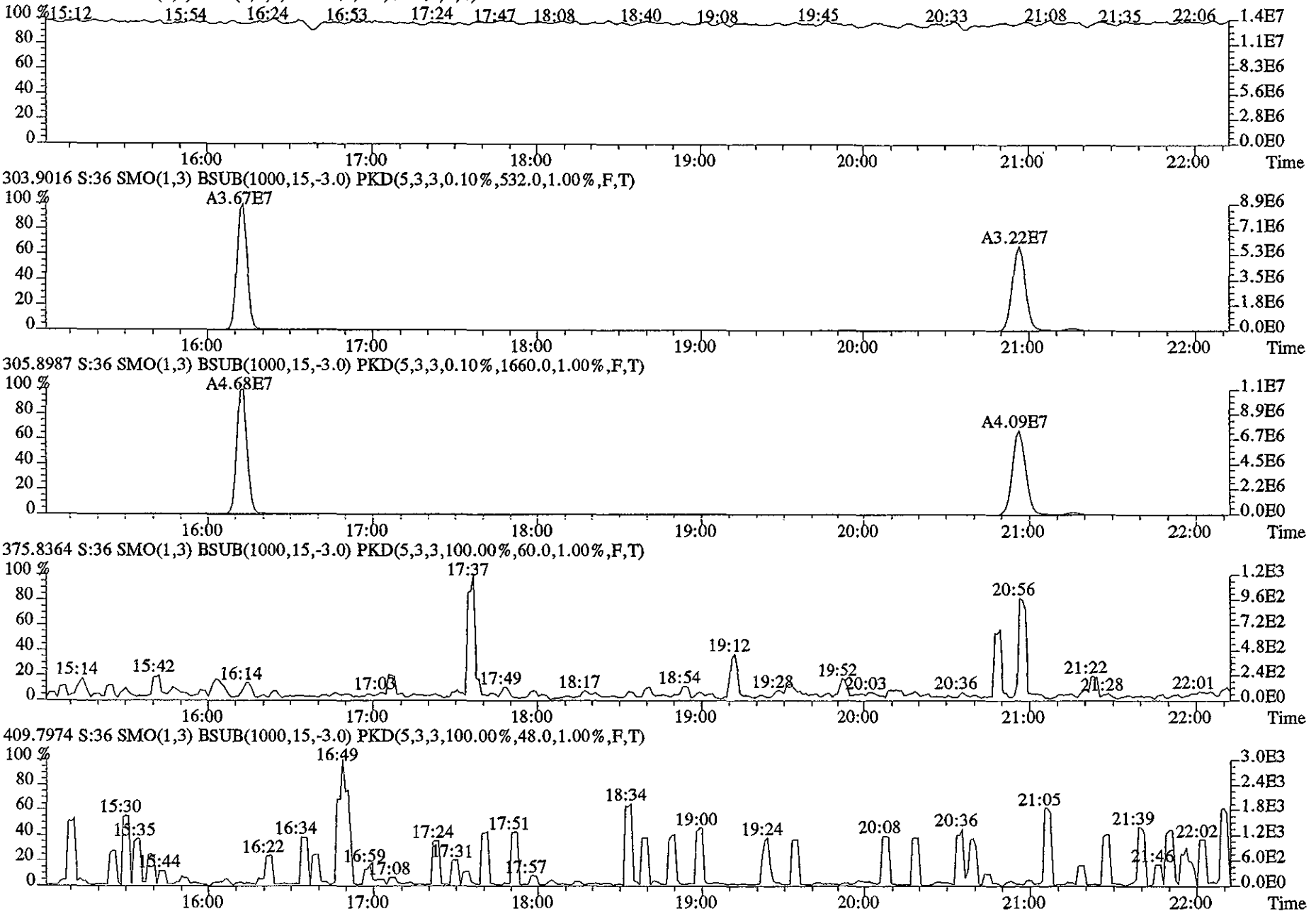
443.7399 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,476.0,1.00%,F,T)



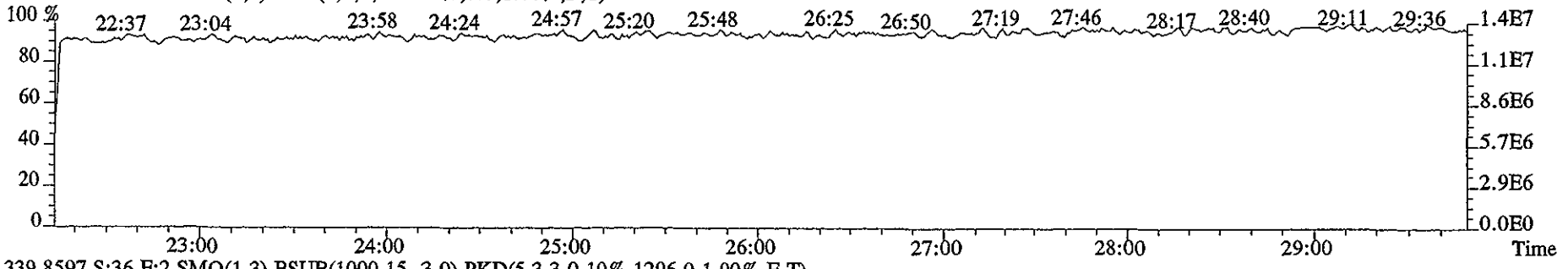
File:07MY104D5 #1-191 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



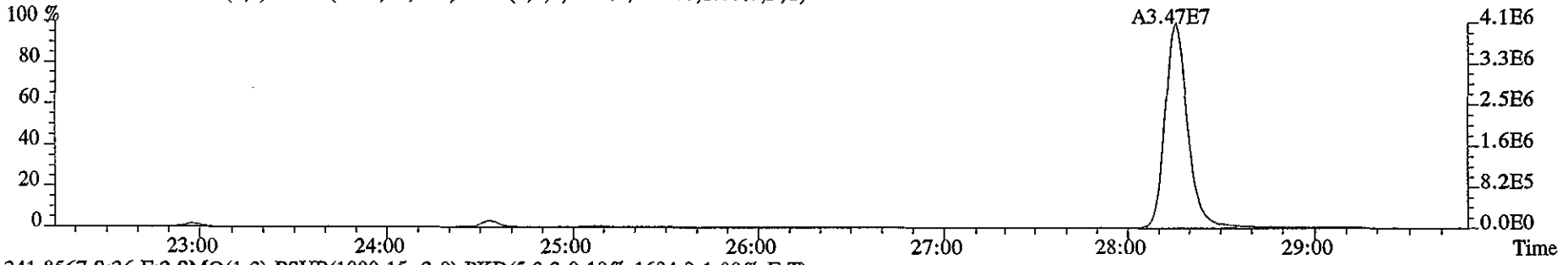
File:07MY104D5 #1-434 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



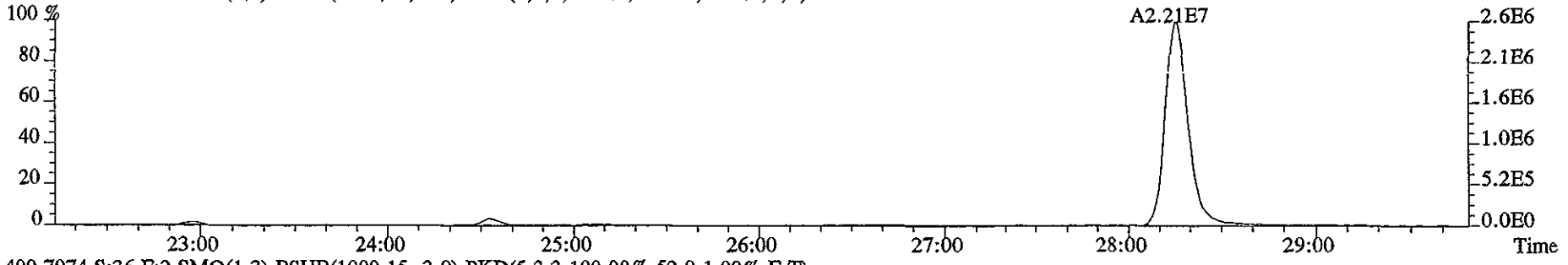
File:07MY104D5 #1-605 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
354.9792 S:36 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



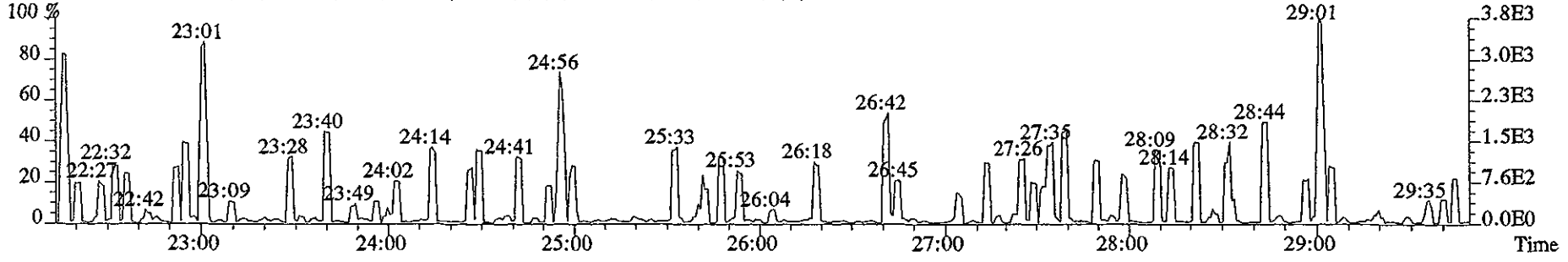
339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



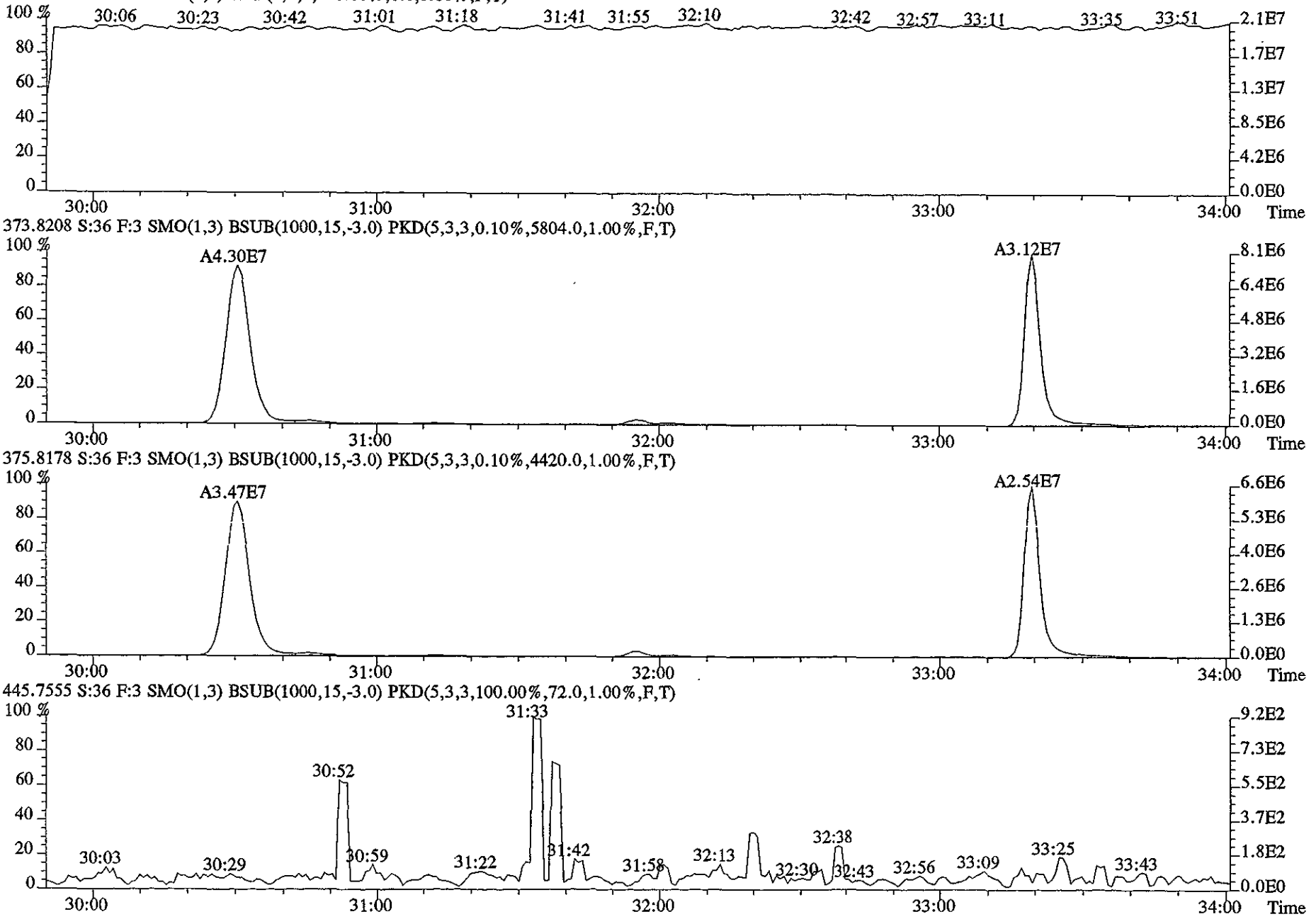
341.8567 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1684.0,1.00%,F,T)



409.7974 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)

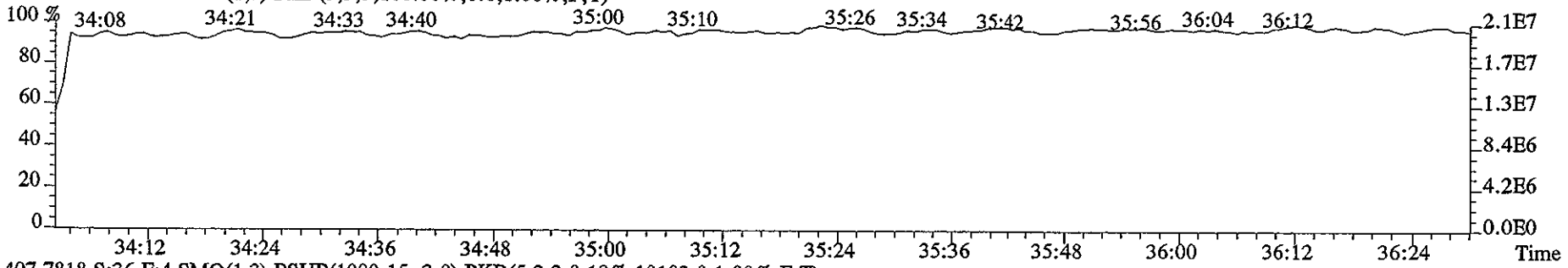


File:07MY104D5 #1-317 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

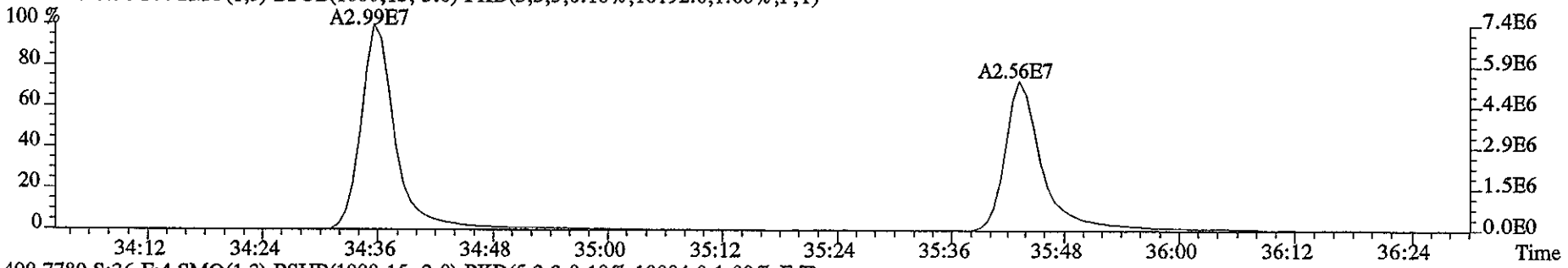


File:07MY104D5 #1-197 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

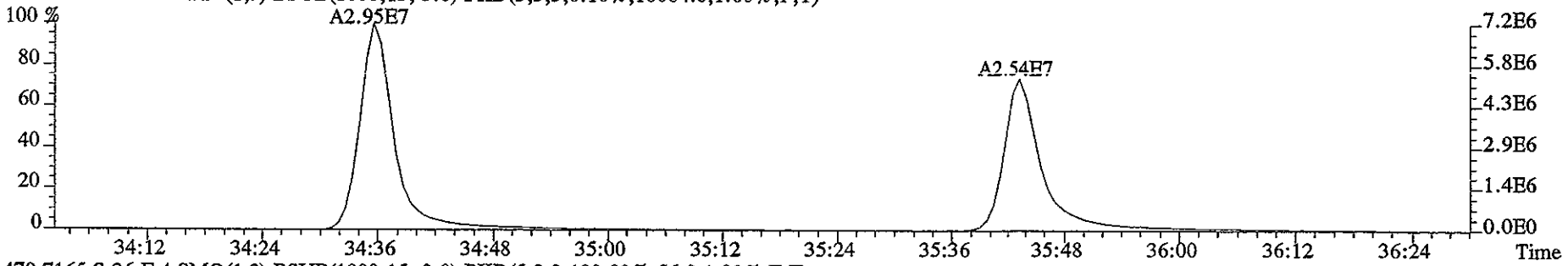
430.9728 S:36 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



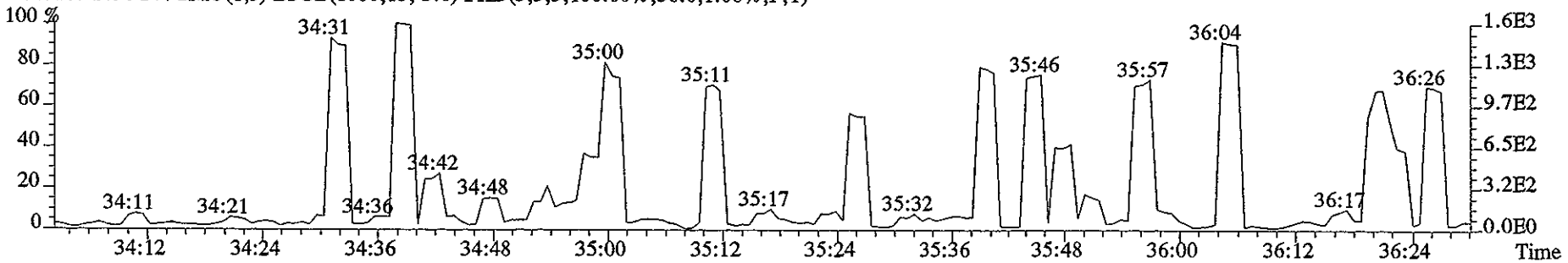
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10192.0,1.00%,F,T)



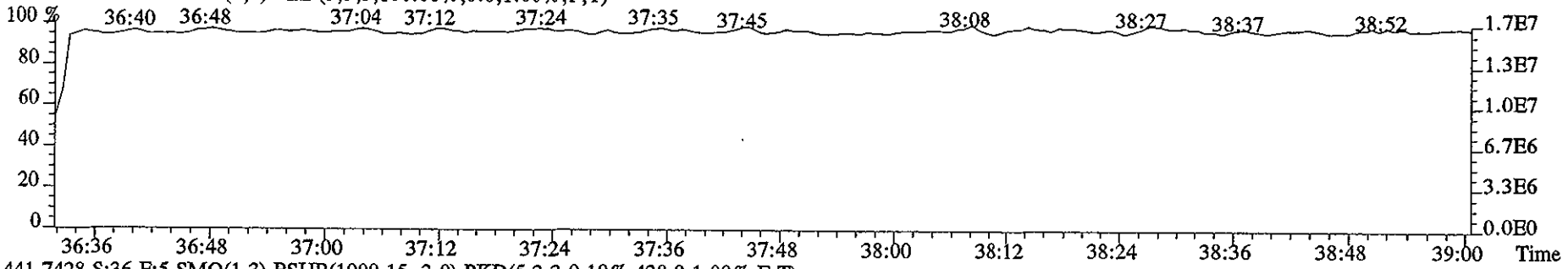
409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10084.0,1.00%,F,T)

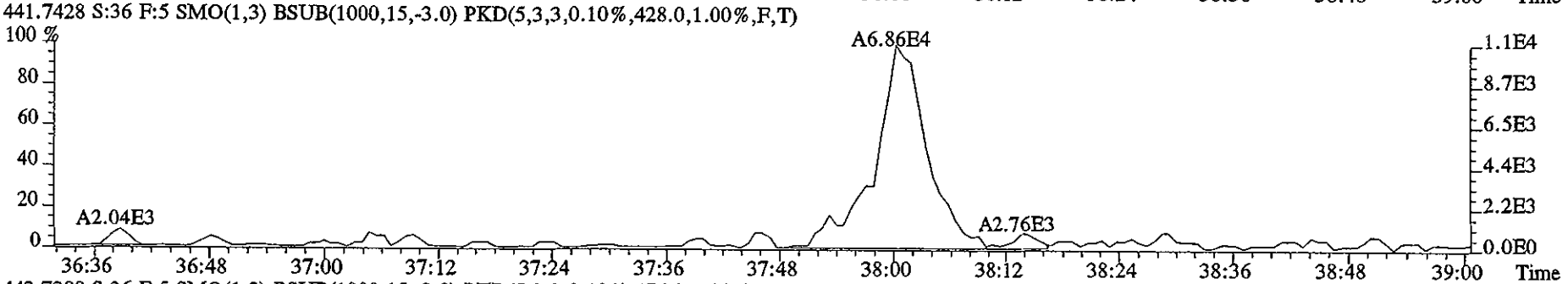


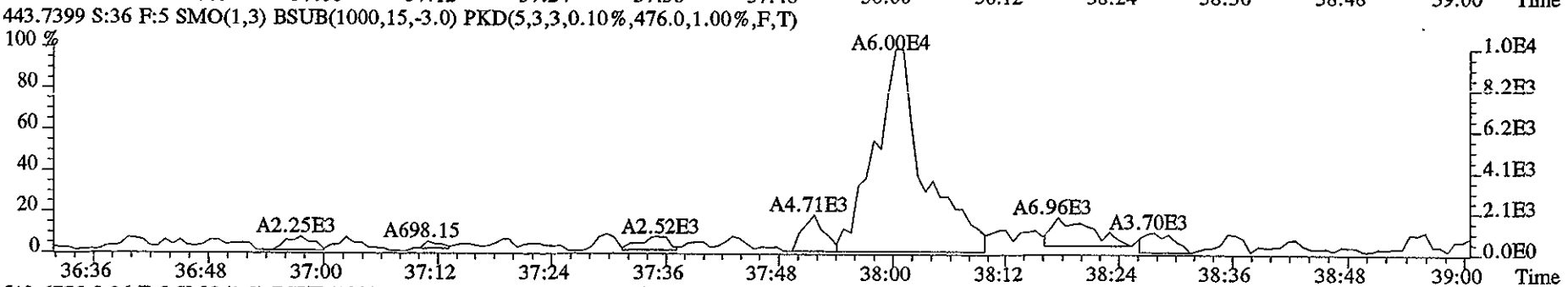
479.7165 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)

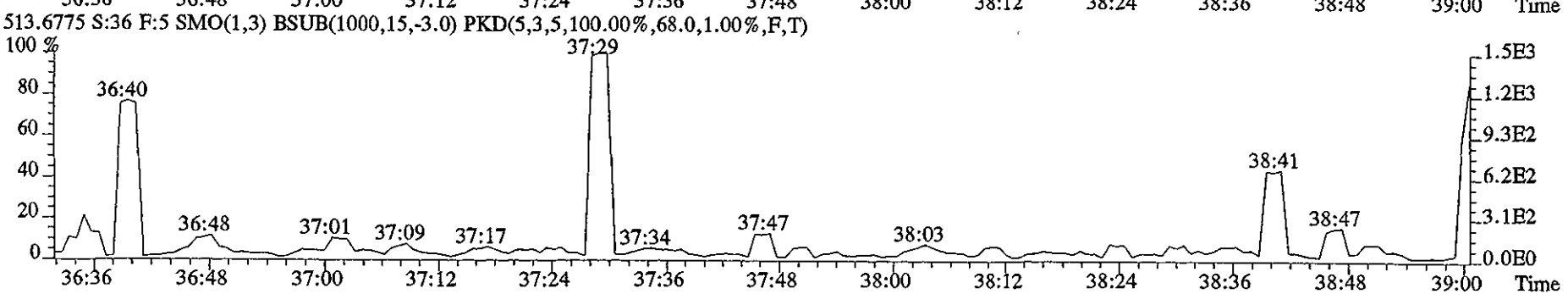


File:07MY104D5 #1-191 Acq: 8-MAY-2010 12:27:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#36 Text:CP0507B :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



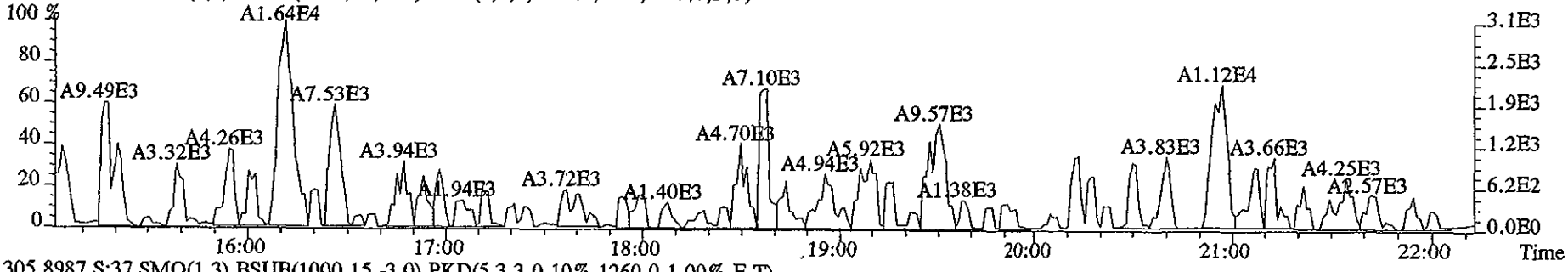




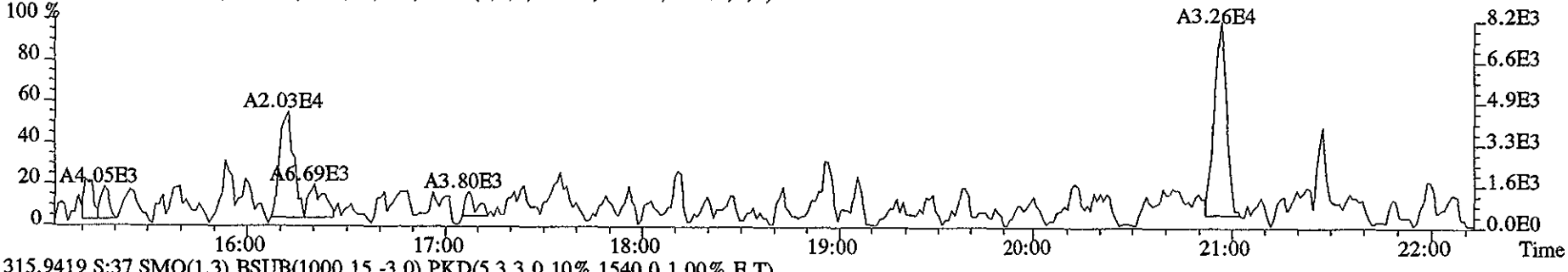


File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

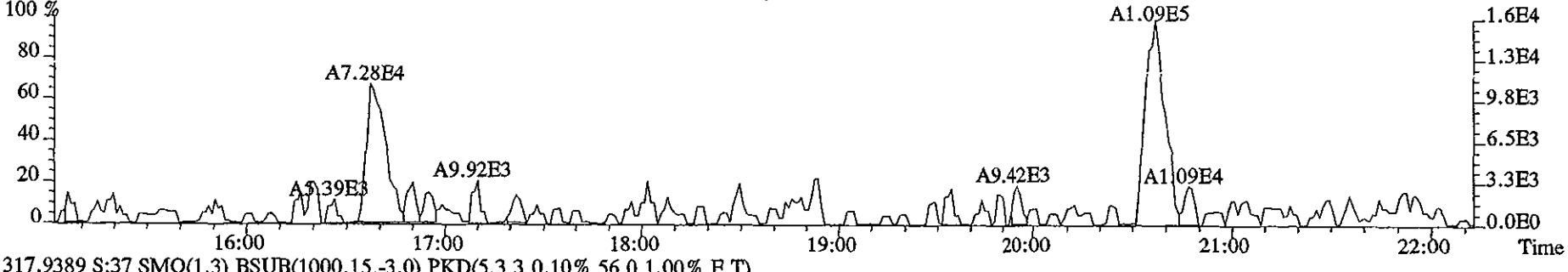
303.9016 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



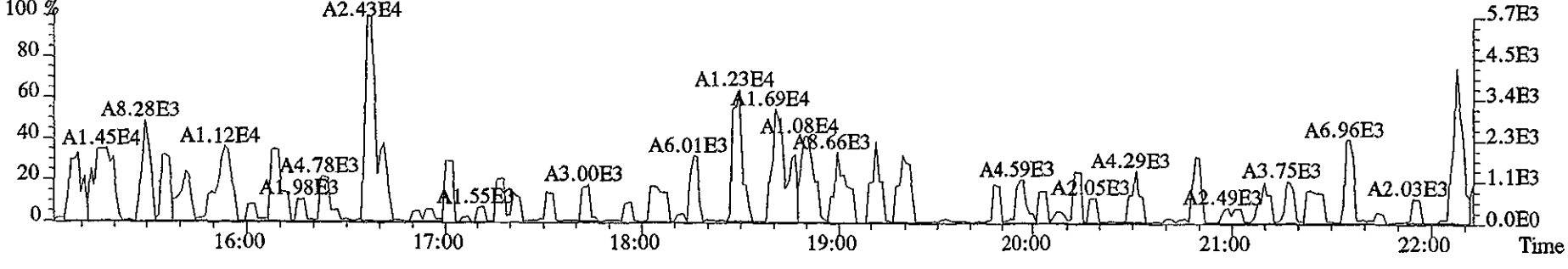
305.8987 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1260.0,1.00%,F,T)



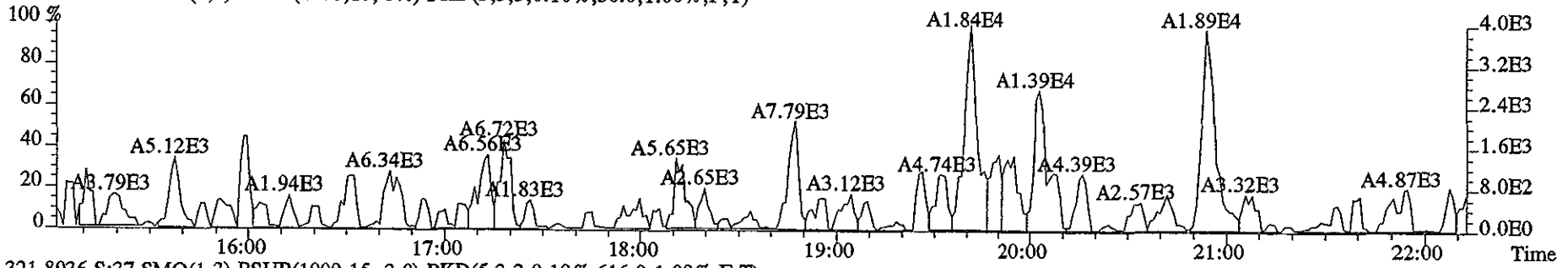
315.9419 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1540.0,1.00%,F,T)

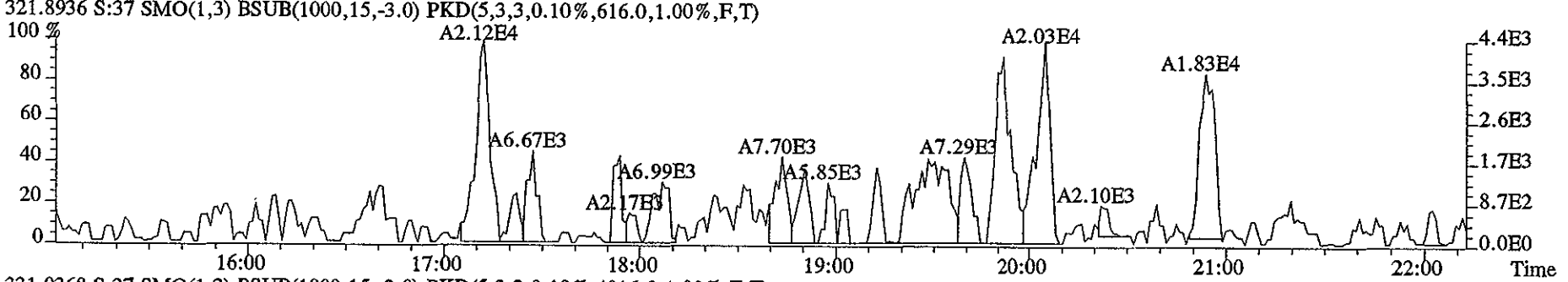


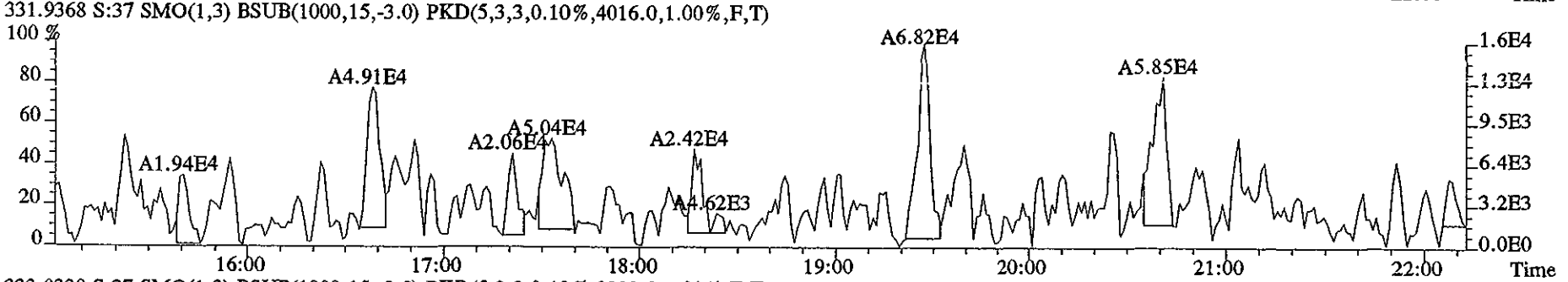
317.9389 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)

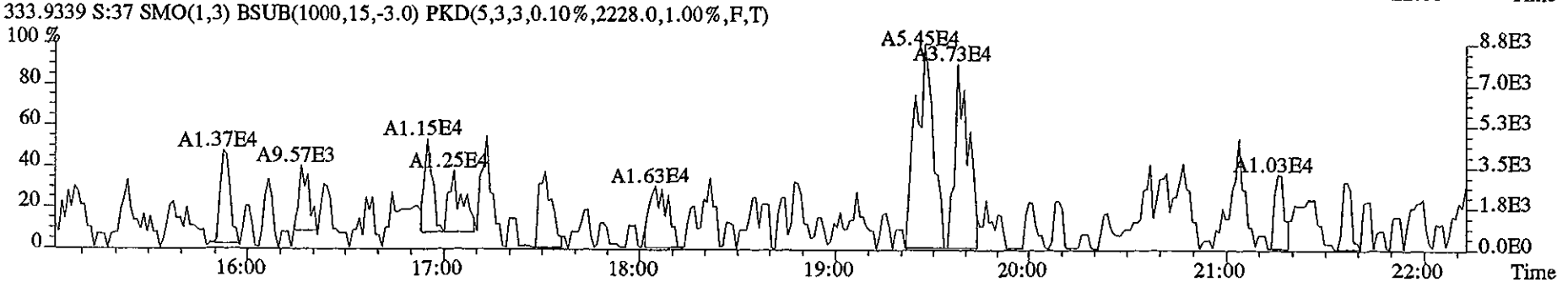


File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A



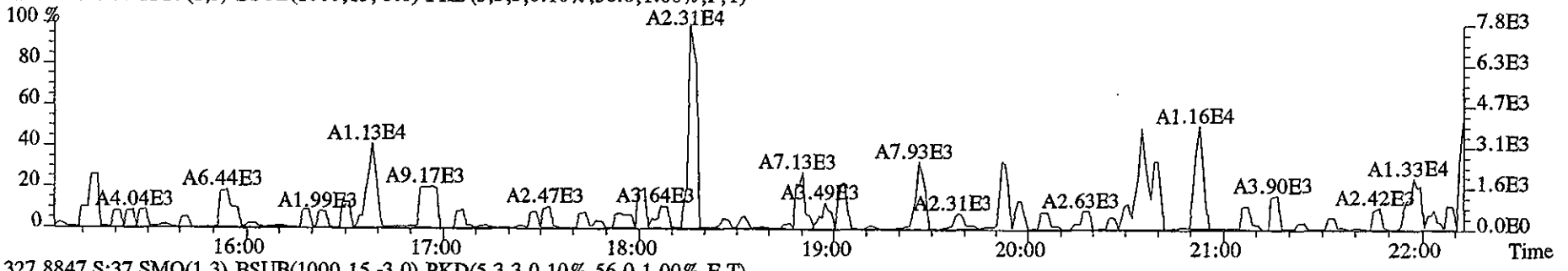




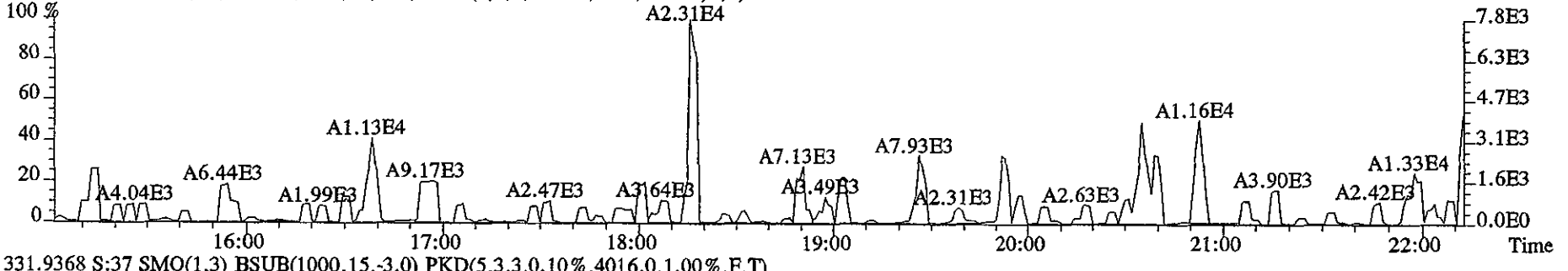


File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

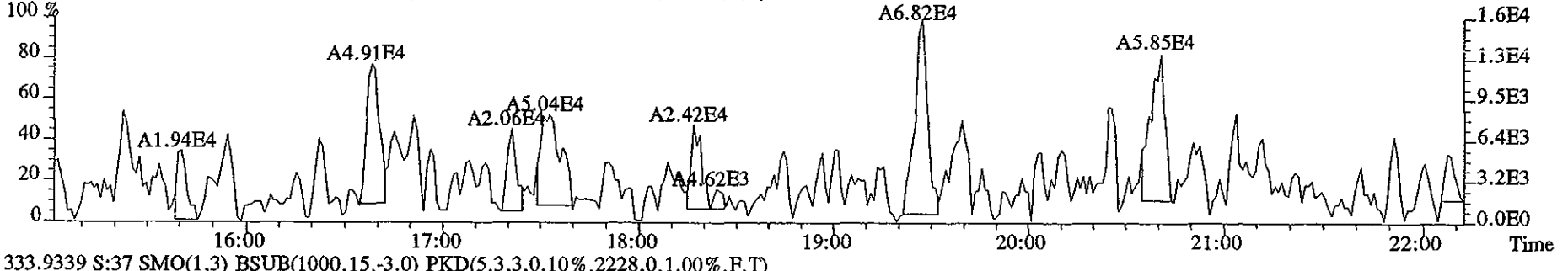
327.8847 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



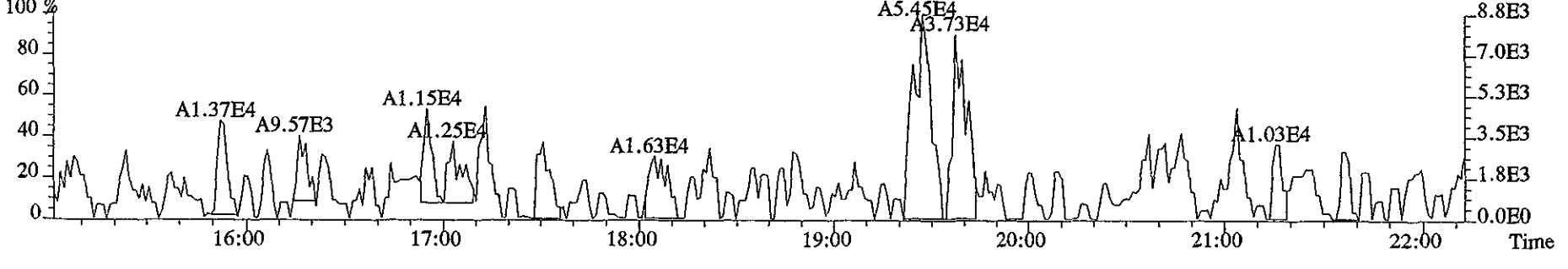
327.8847 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



331.9368 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)

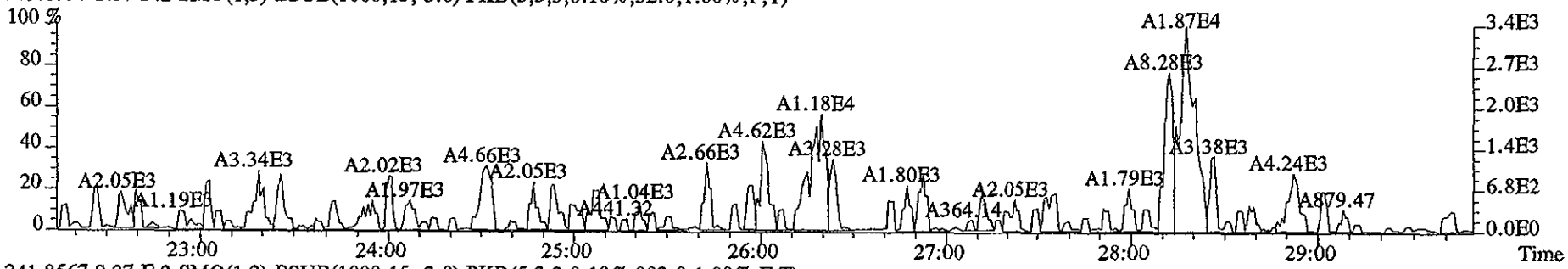


333.9339 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2228.0,1.00%,F,T)

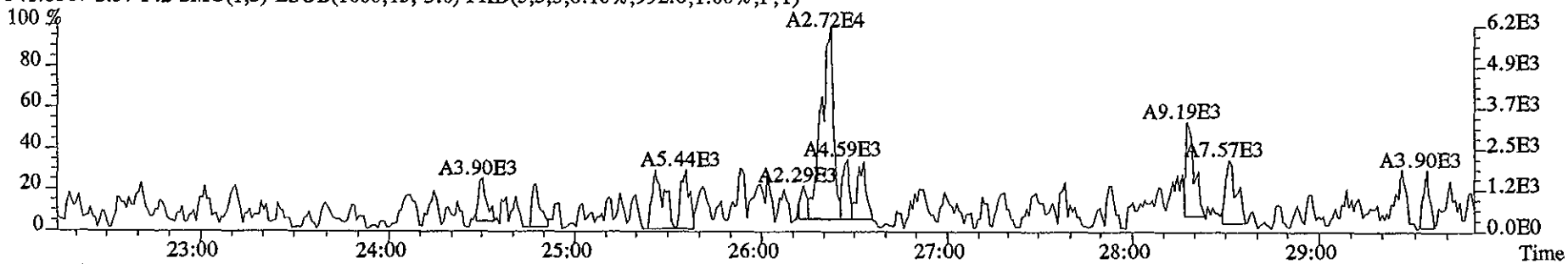


File:07MY104D5 #1-605 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

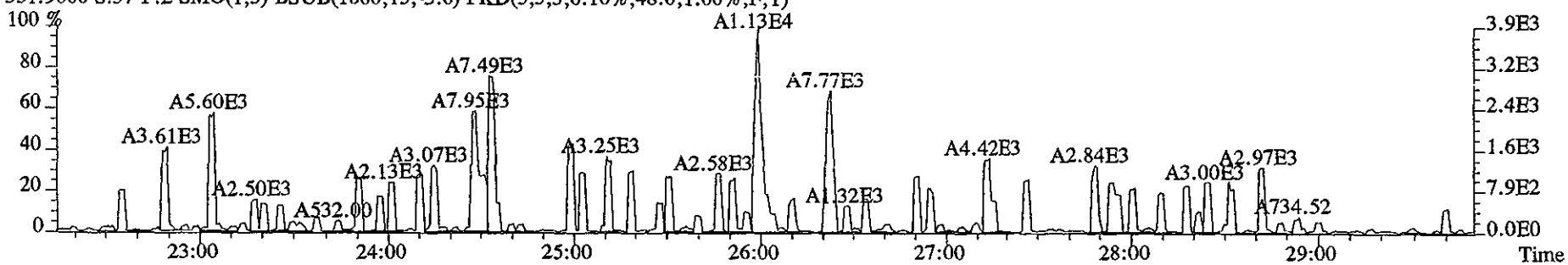
339.8597 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



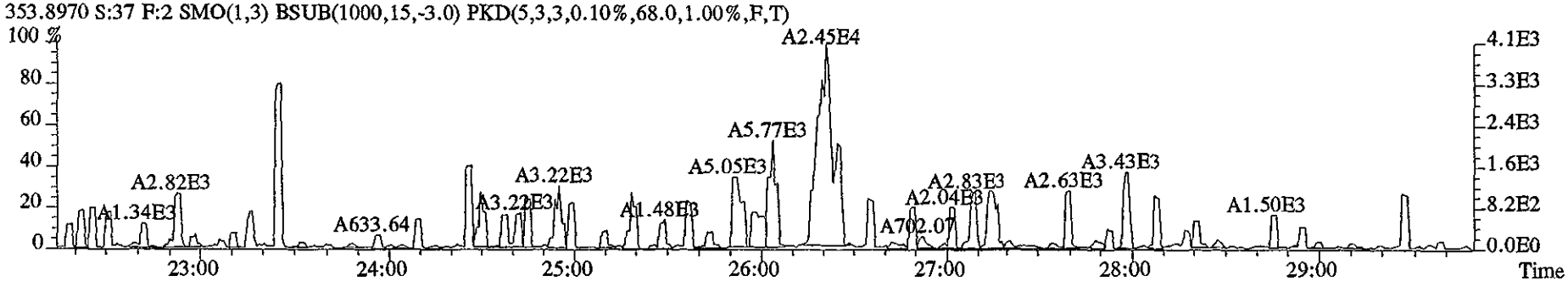
341.8567 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



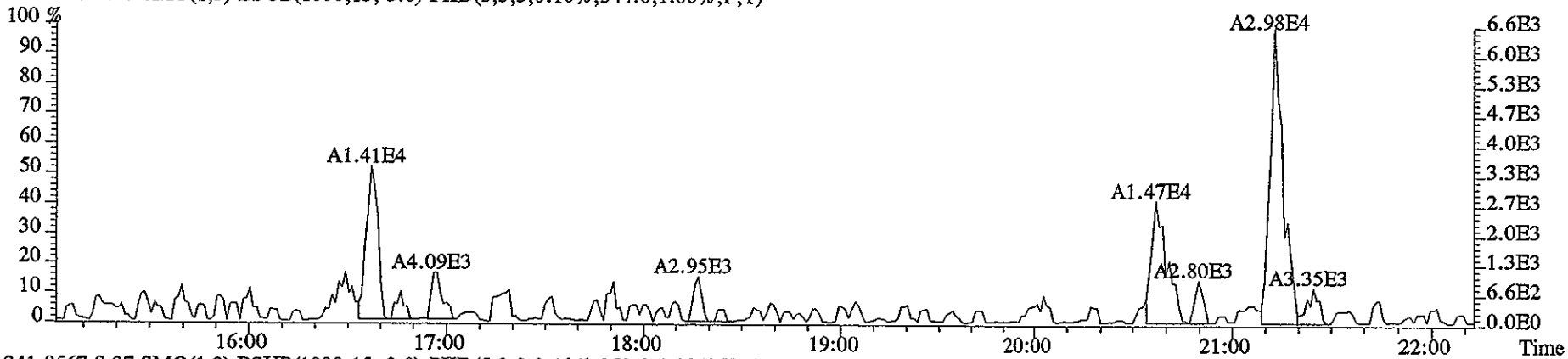
351.9000 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



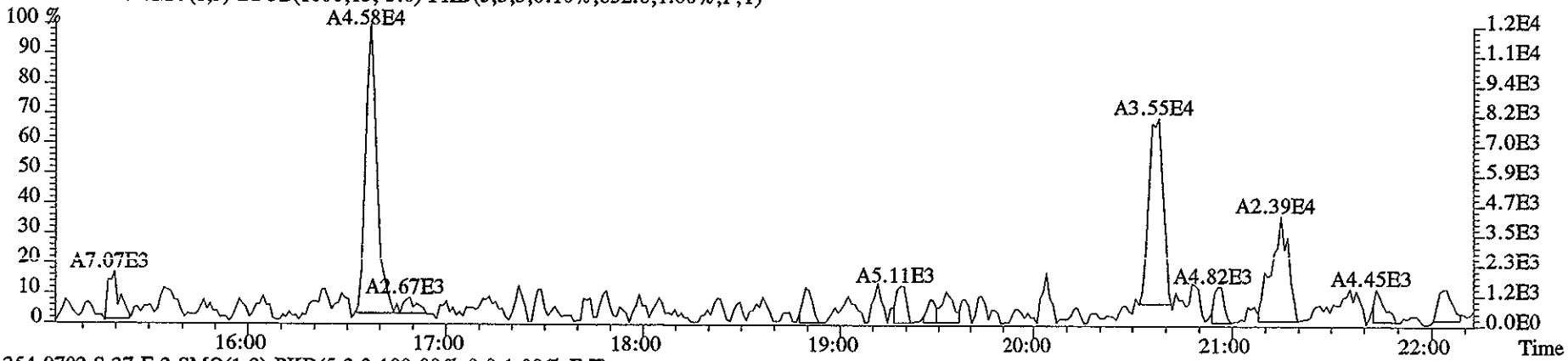
353.8970 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



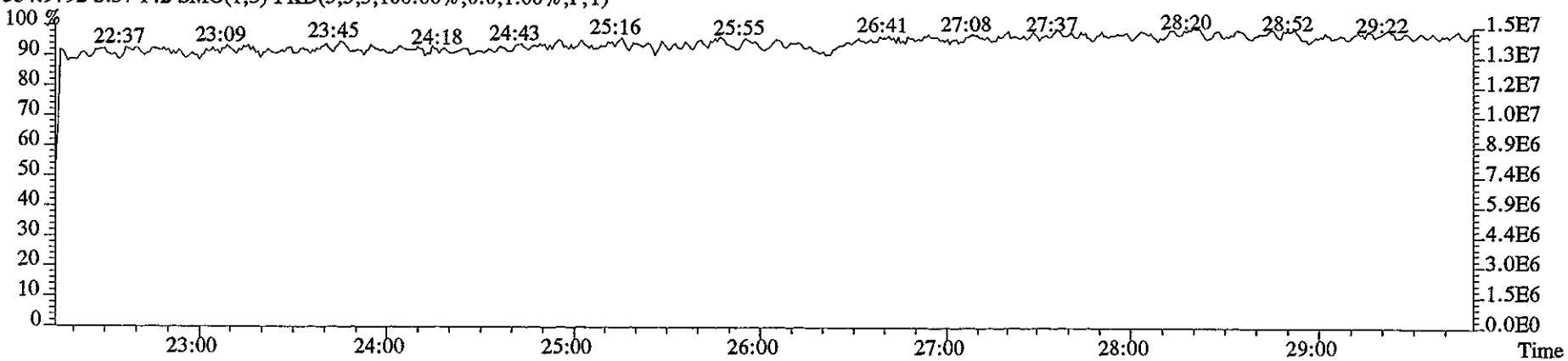
File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,544.0,1.00%,F,T)



341.8567 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,852.0,1.00%,F,T)

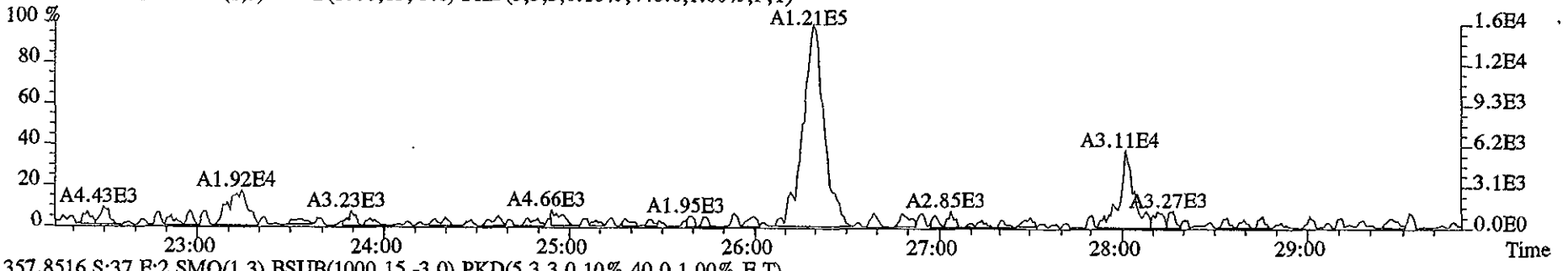


354.9792 S:37 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

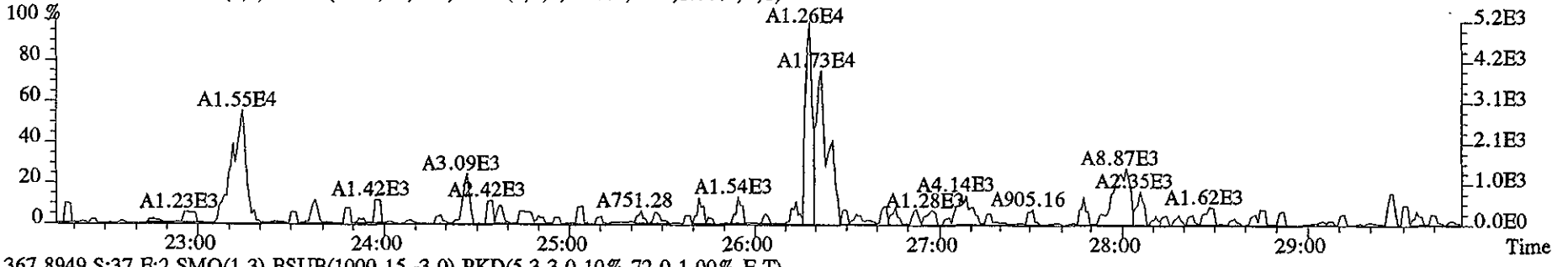


File:07MY104D5 #1-605 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

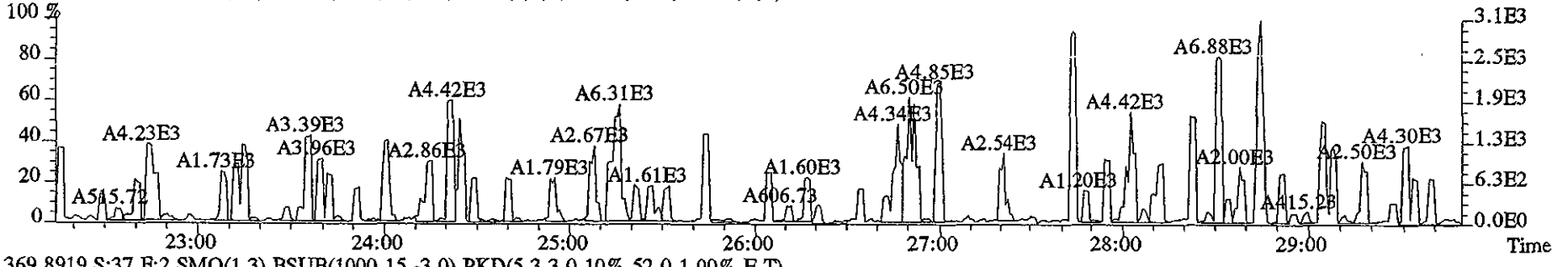
355.8546 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



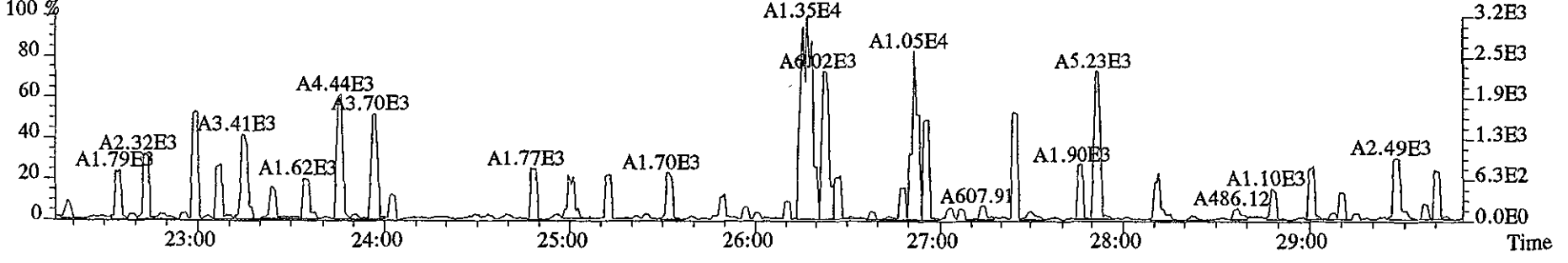
357.8516 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40.0,1.00%,F,T)



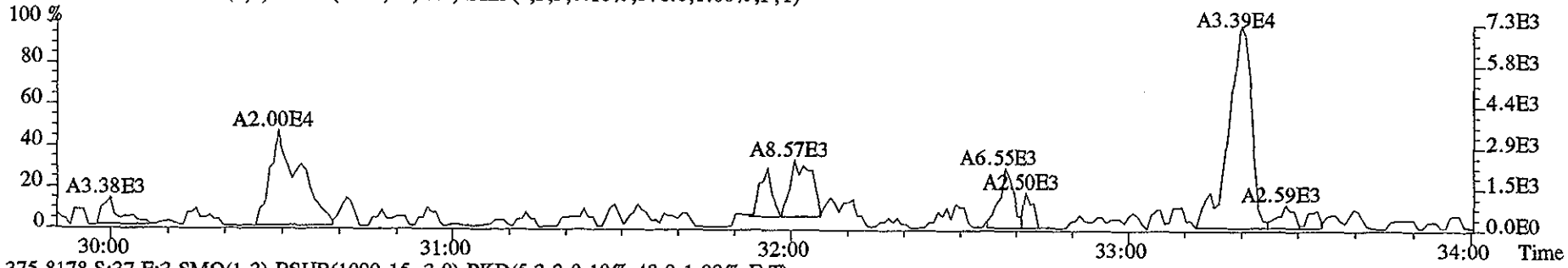
367.8949 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



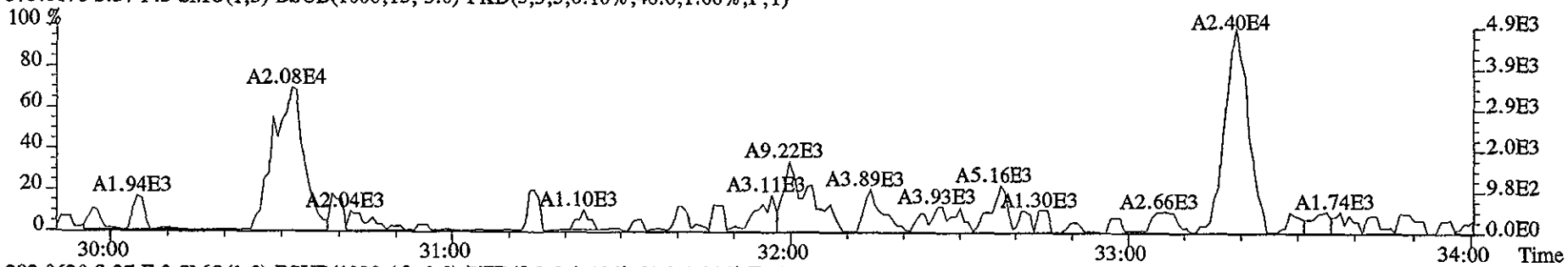
369.8919 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



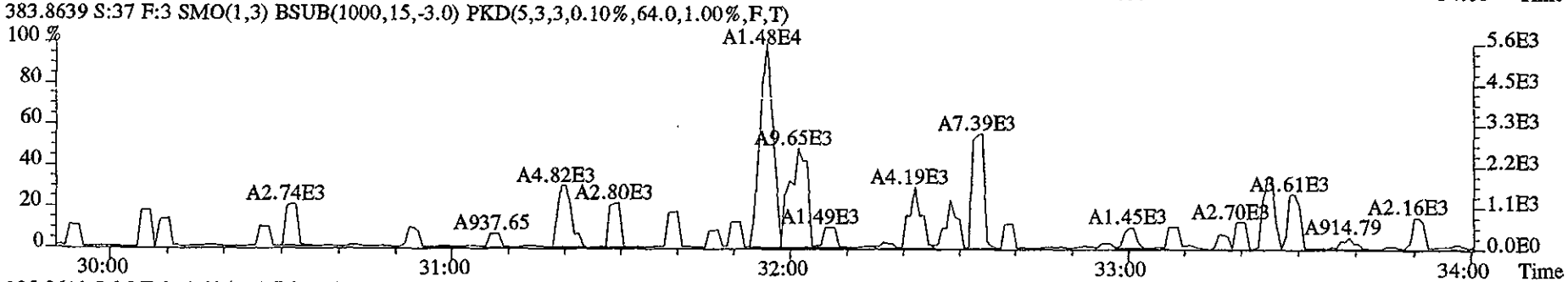
File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,576.0,1.00%,F,T)



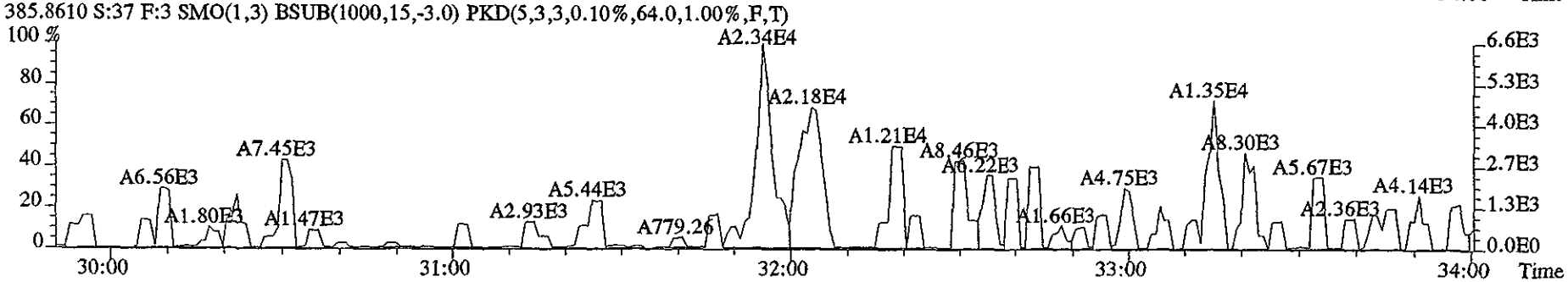
375.8178 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



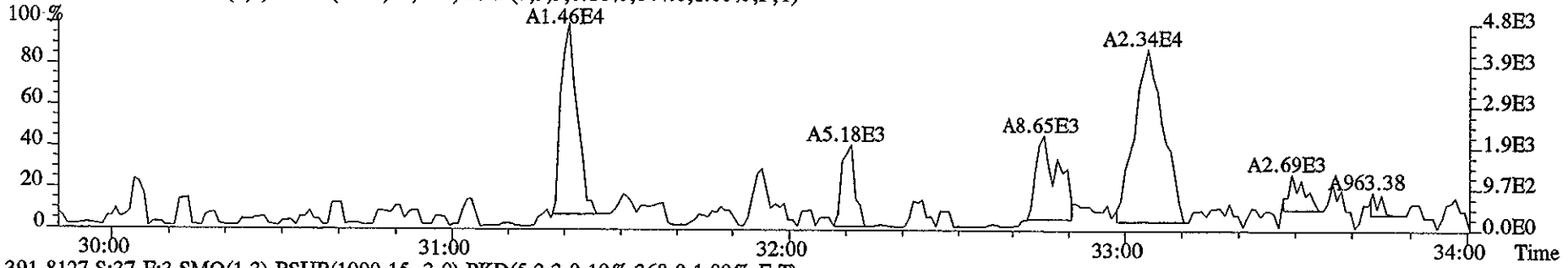
383.8639 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



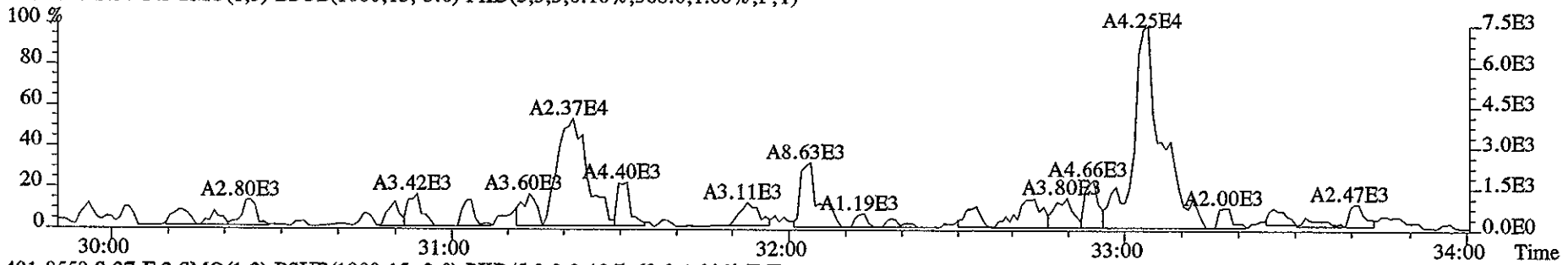
385.8610 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



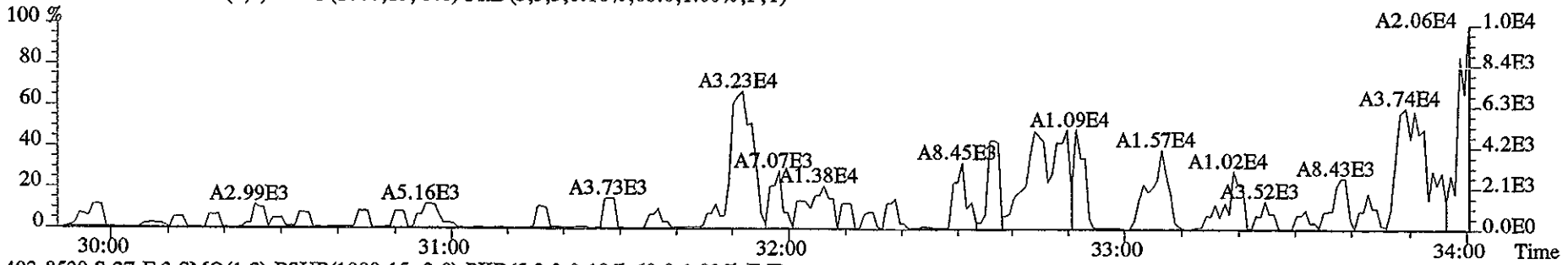
File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
389.8157 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,644.0,1.00%,F,T)



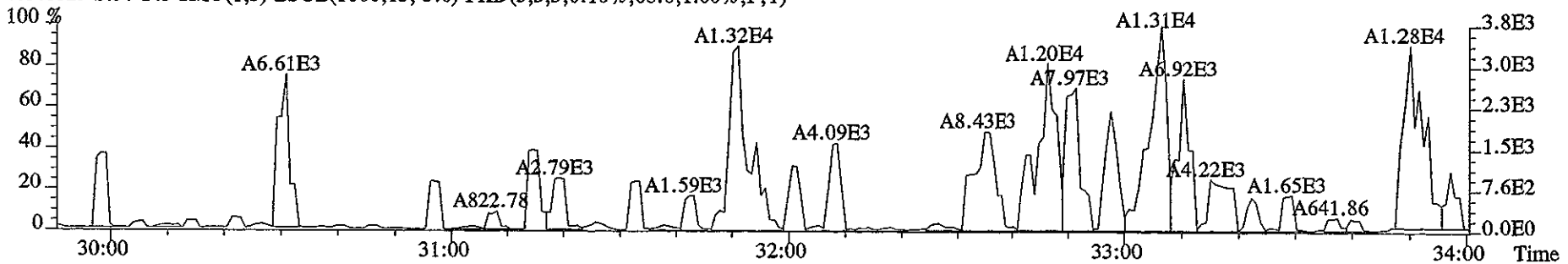
391.8127 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,368.0,1.00%,F,T)



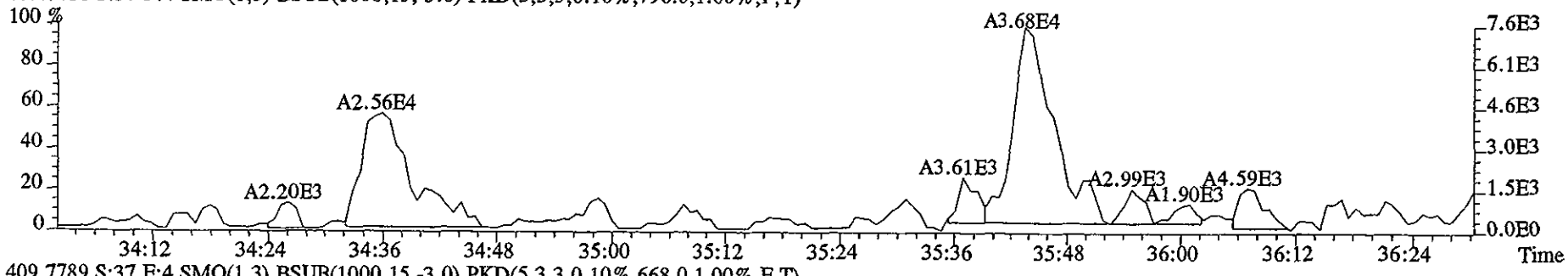
401.8559 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)

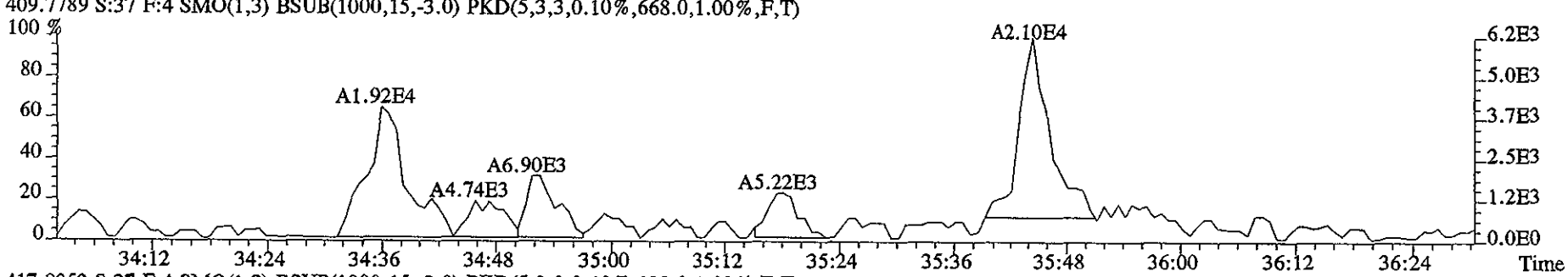


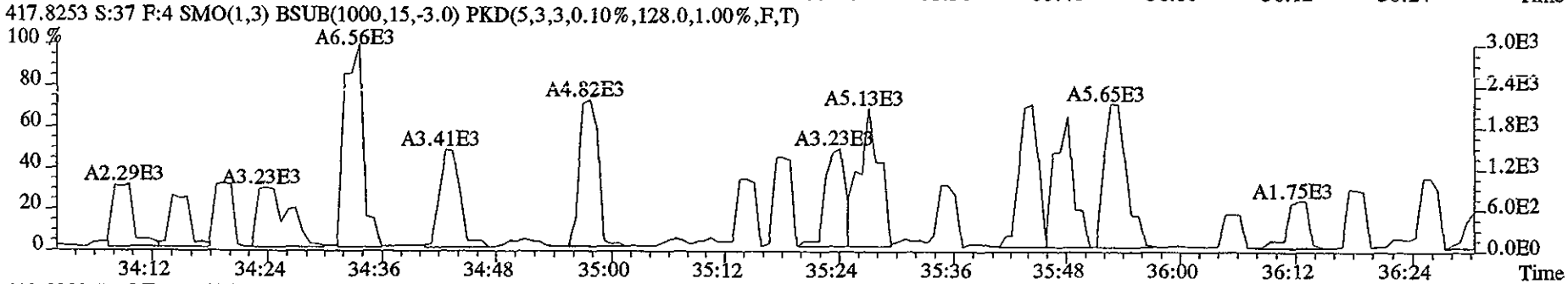
403.8529 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)

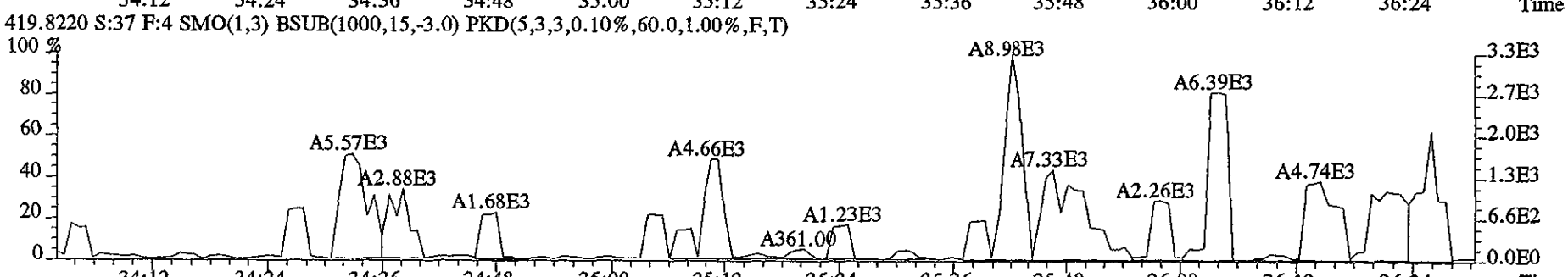


File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A

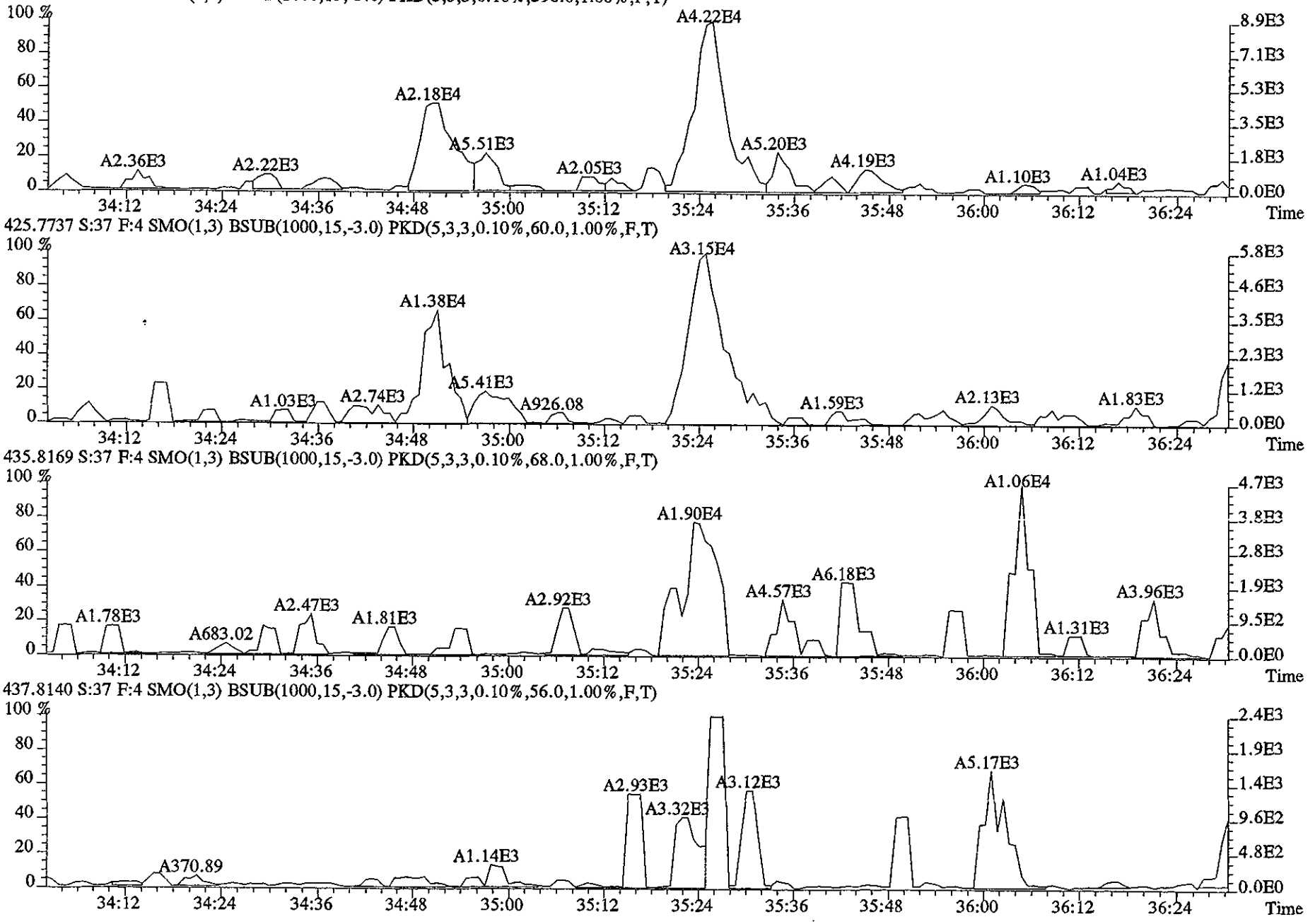




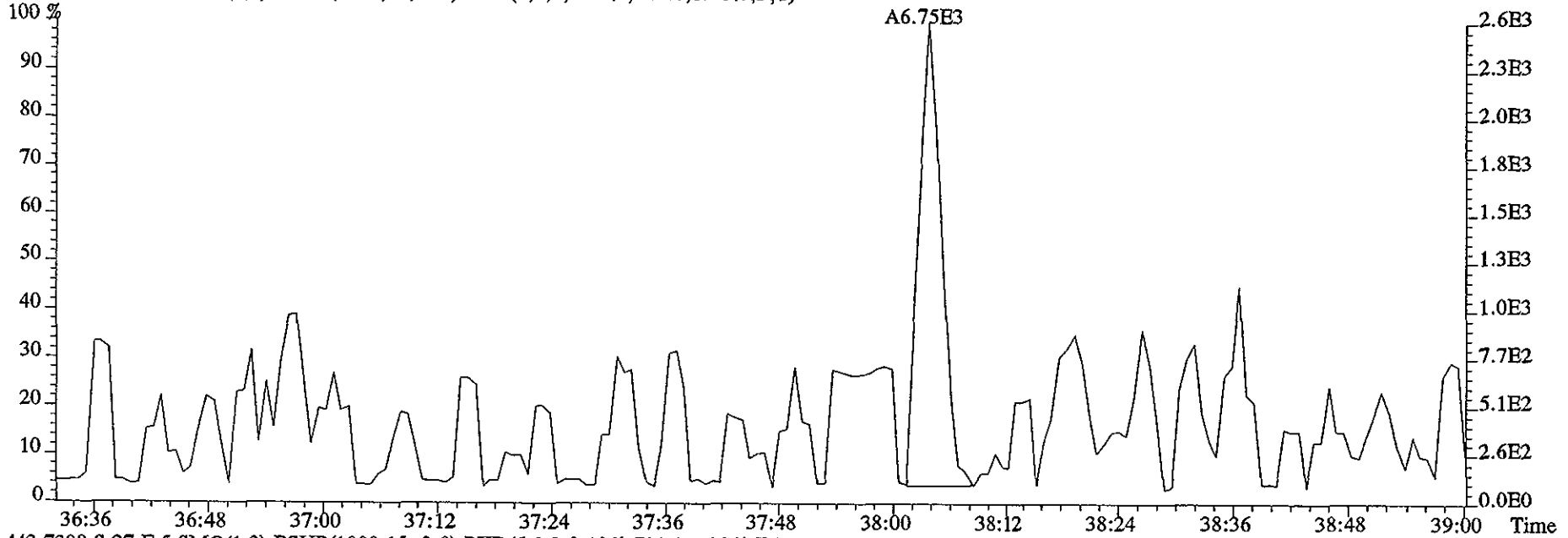




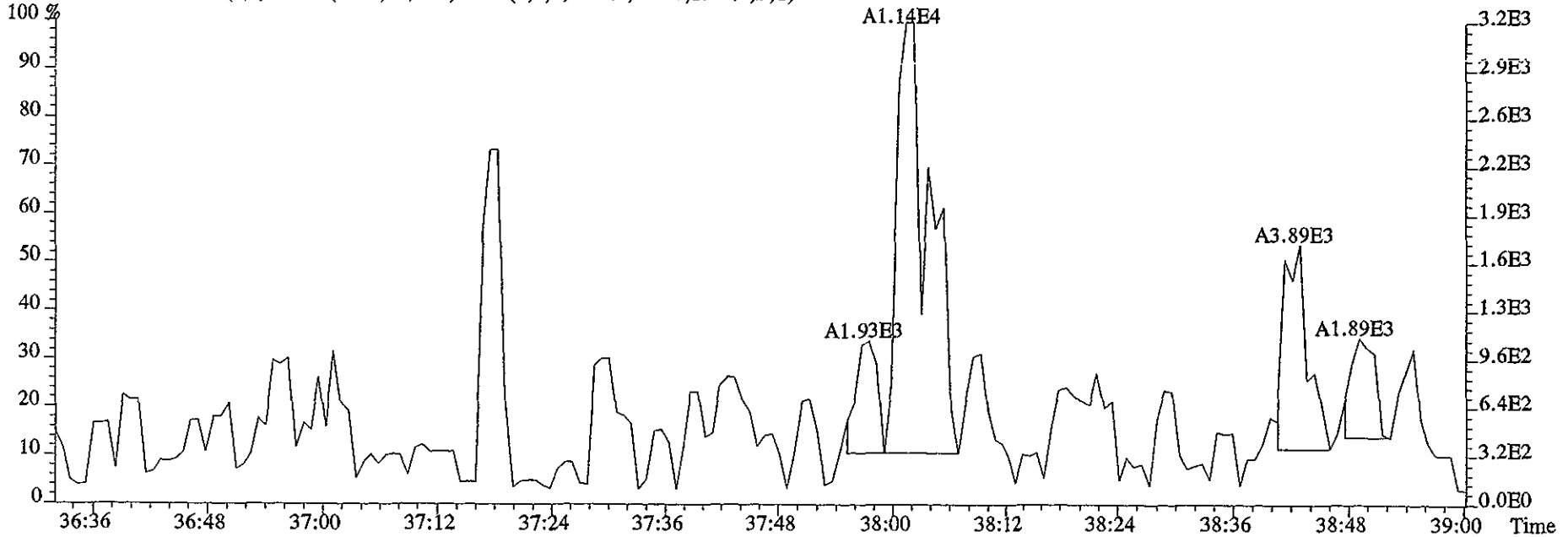
File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A



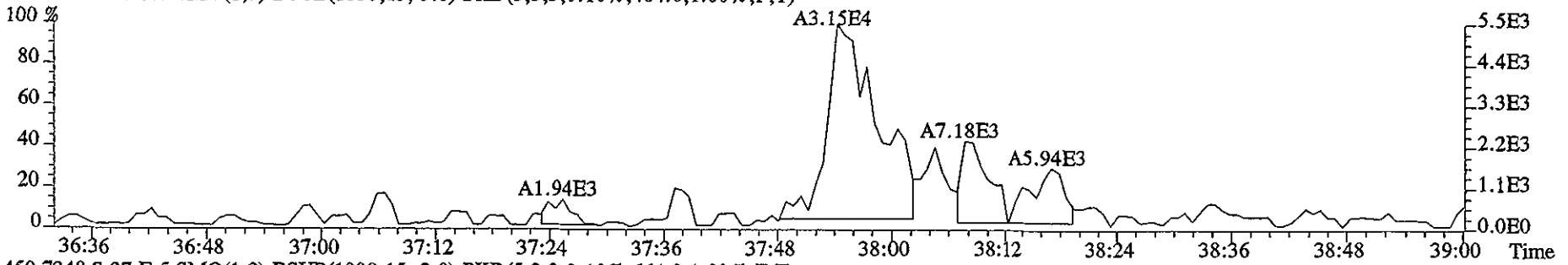
File:07MY104D5 #1-190 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



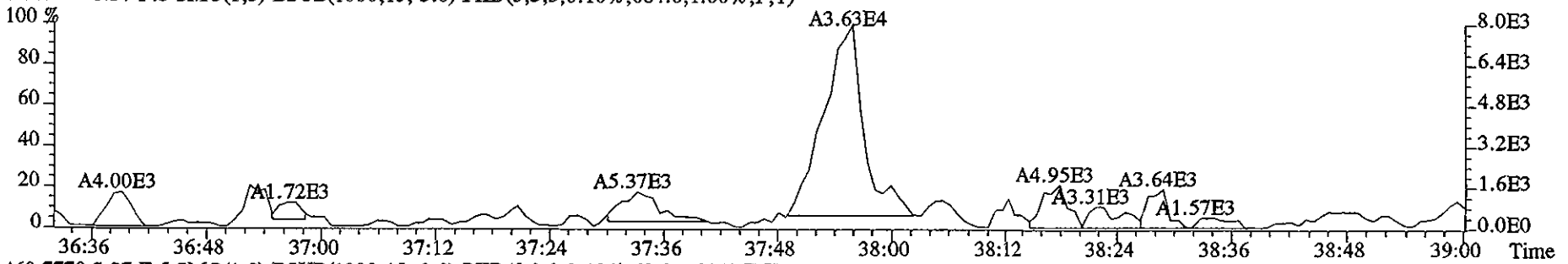
443.7399 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



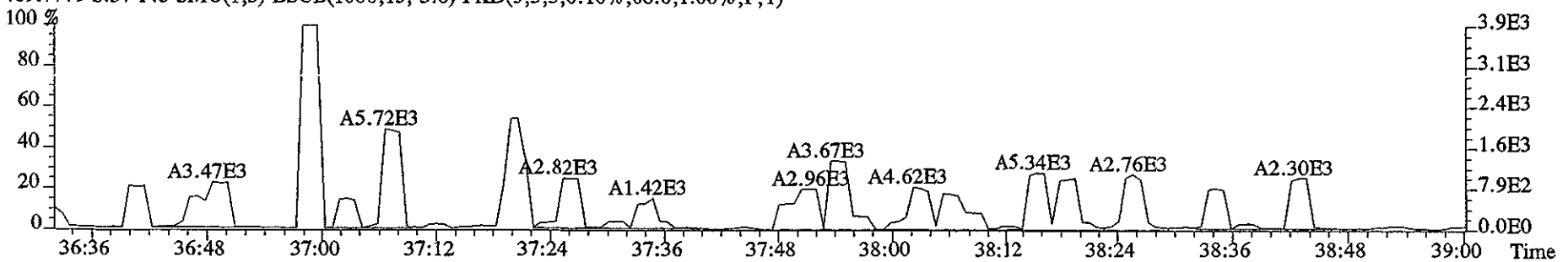
File:07MY104D5 #1-190 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
457.7377 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,464.0,1.00%,F,T)



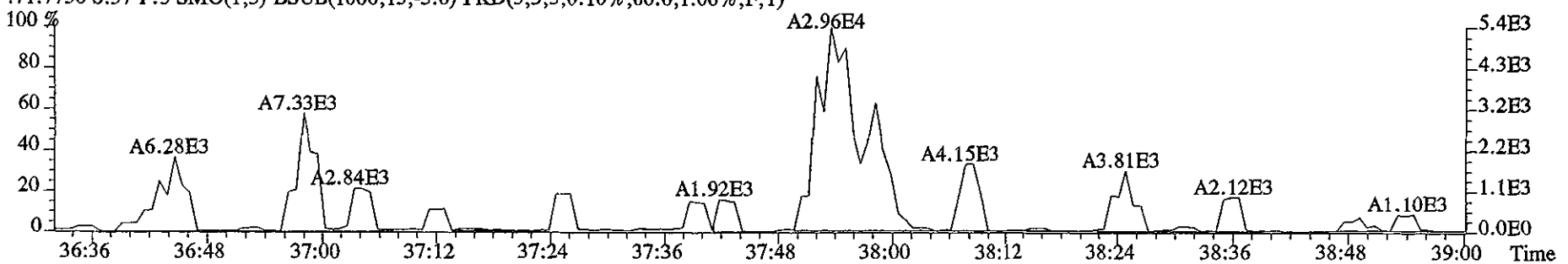
459.7348 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)



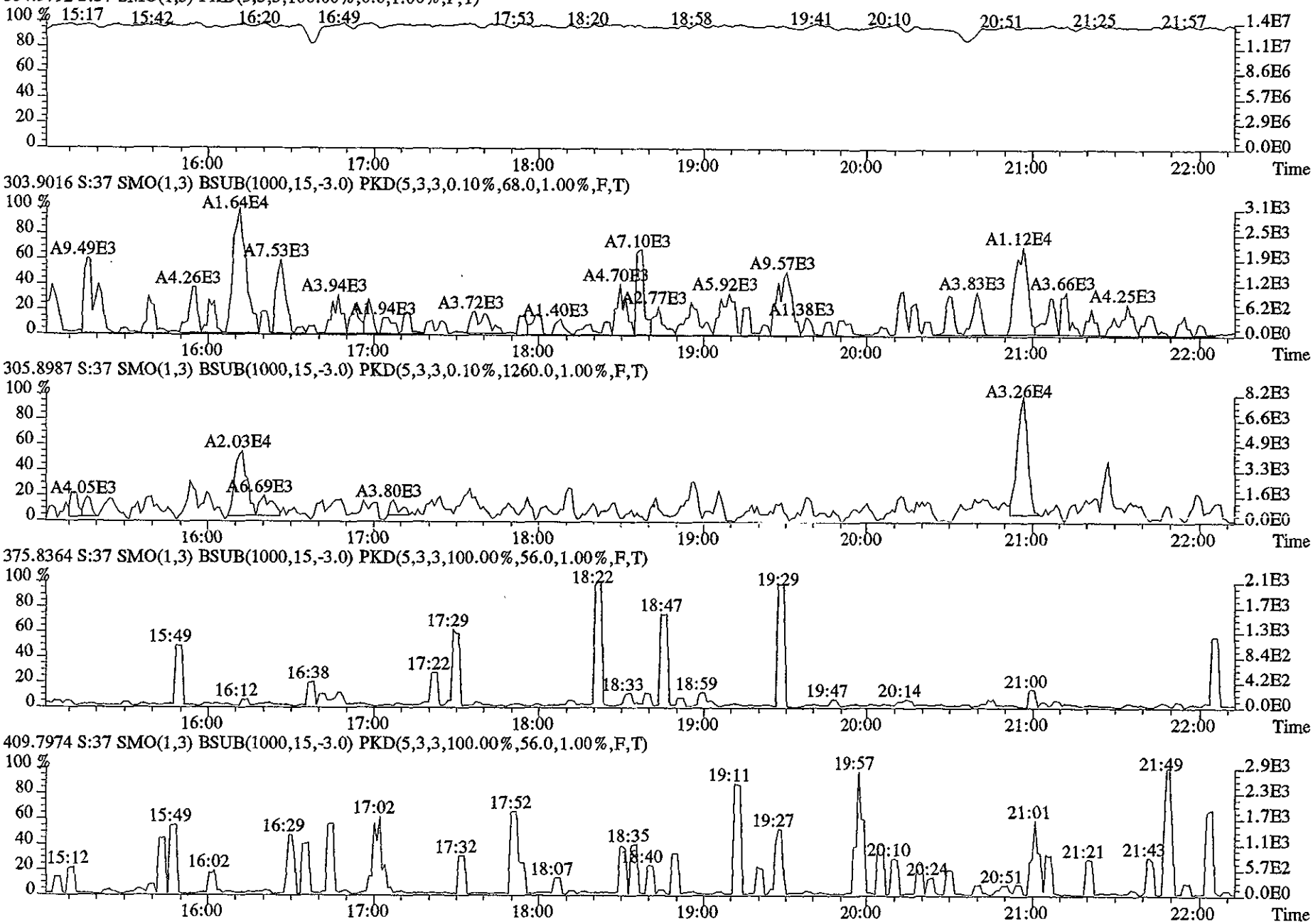
469.7779 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



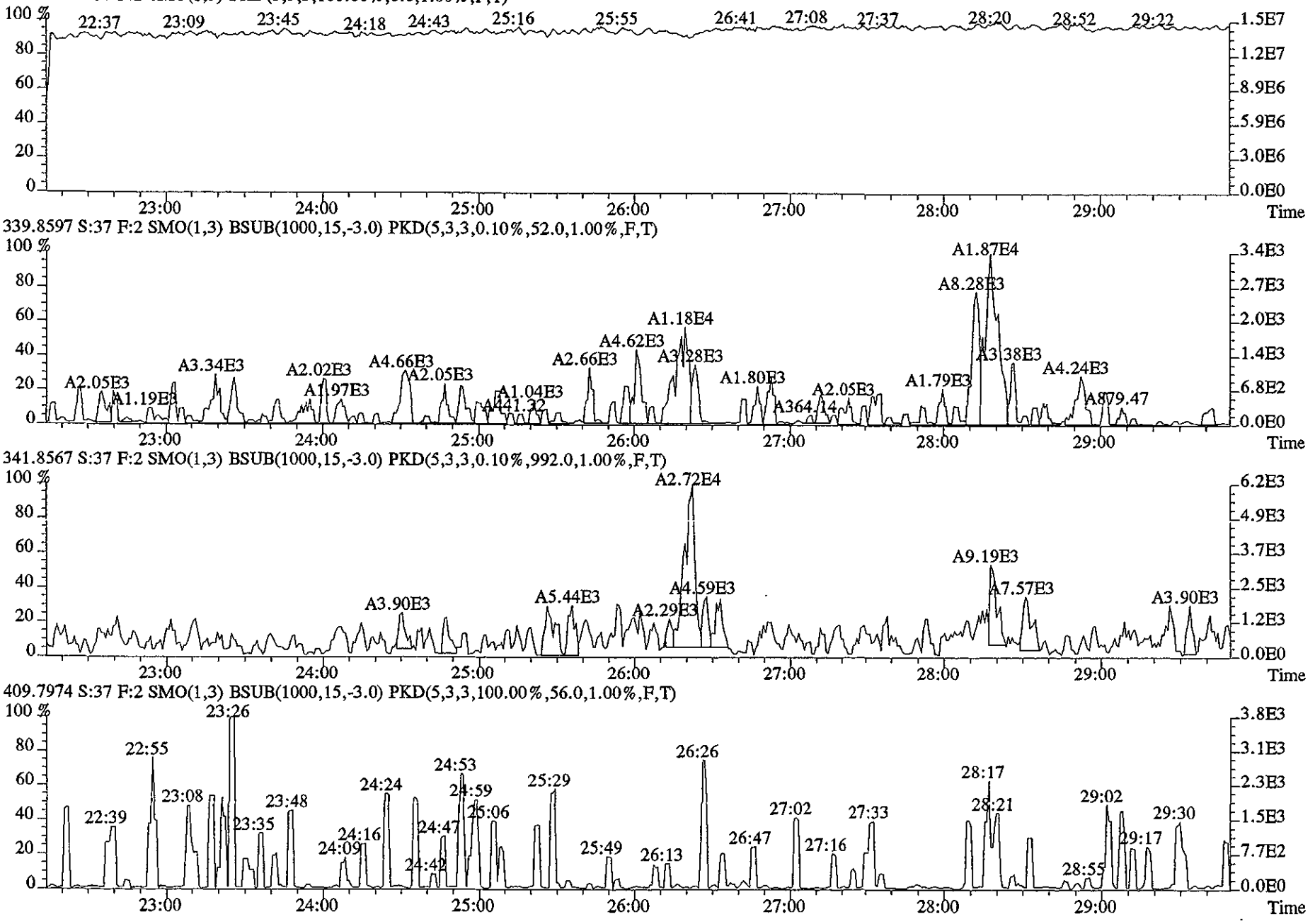
471.7750 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



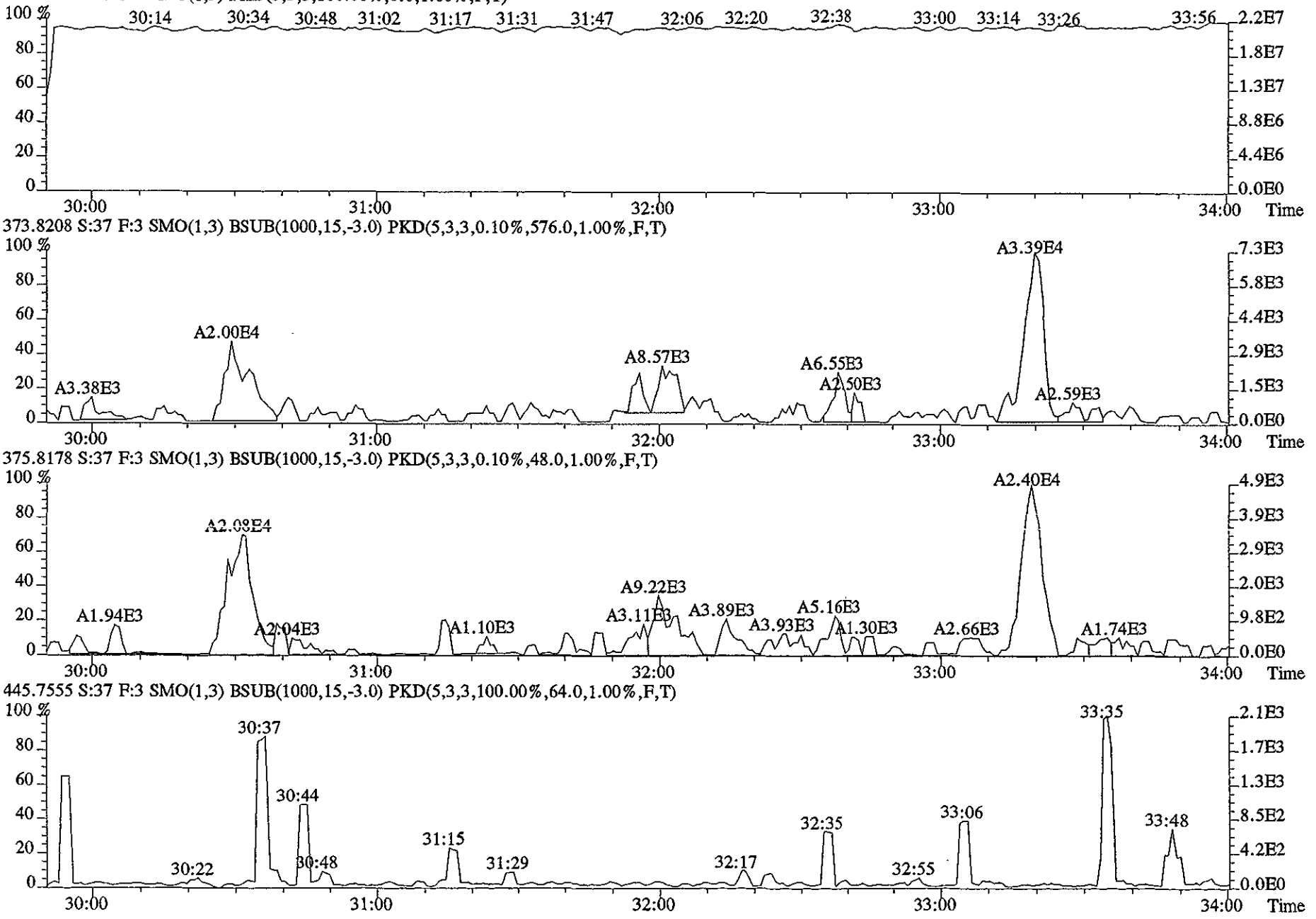
File:07MY104D5 #1-434 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A



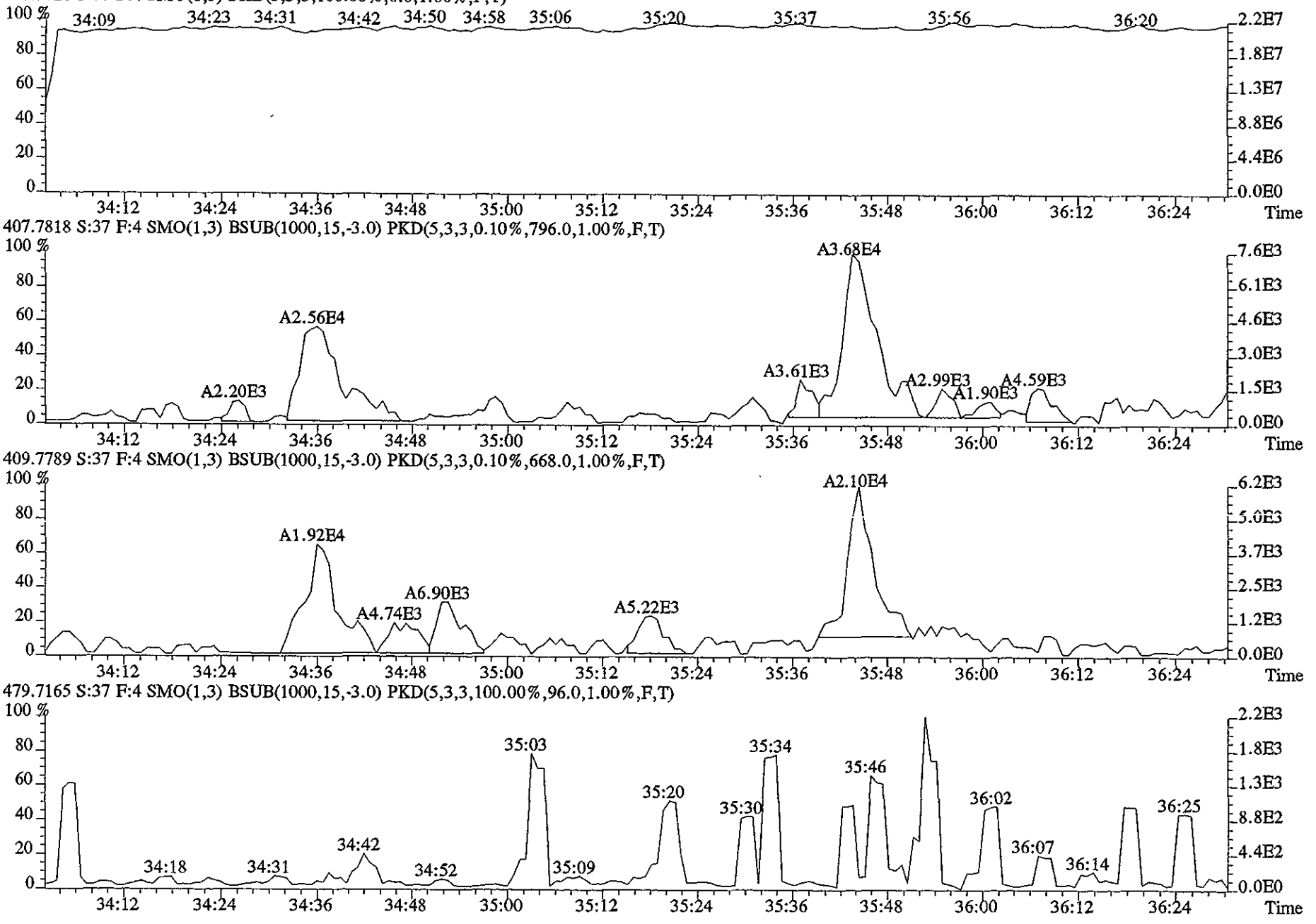
File:07MY104D5 #1-605 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A



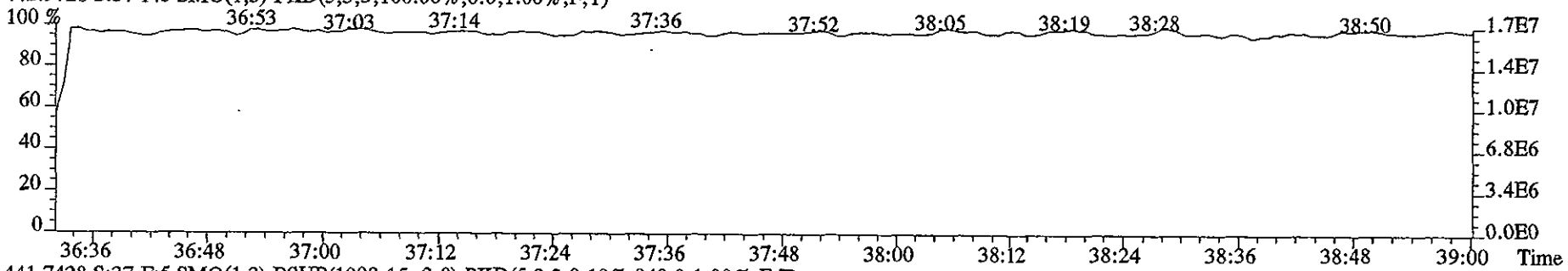
File:07MY104D5 #1-316 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A



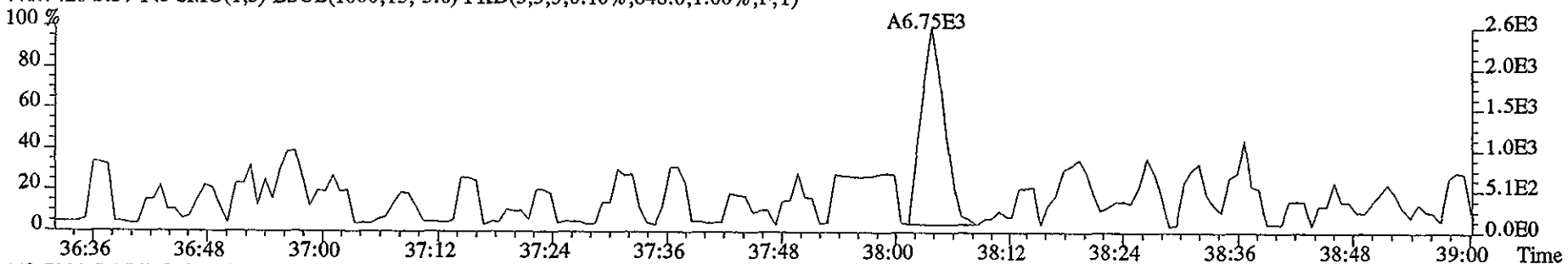
File:07MY104D5 #1-198 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A



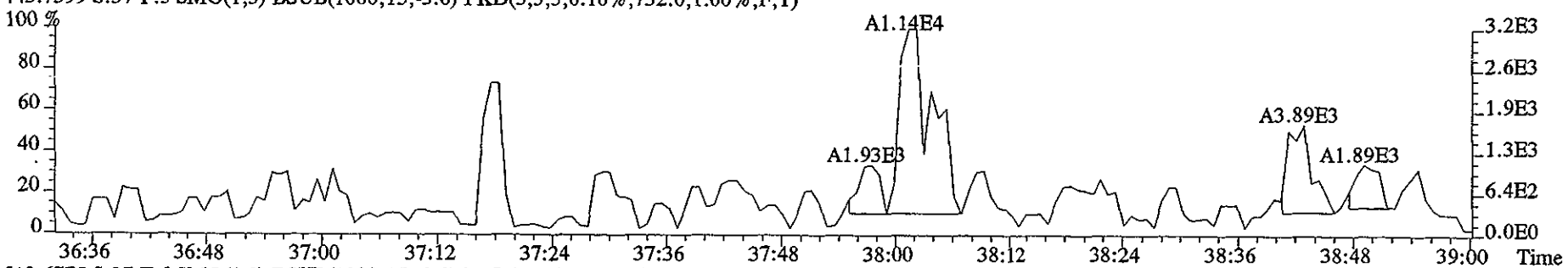
File:07MY104D5 #1-190 Acq: 8-MAY-2010 13:11:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#37 Text:SB0507D :Solvent Blank C-14 Exp:DIOXINRES8290A
442.9728 S:37 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



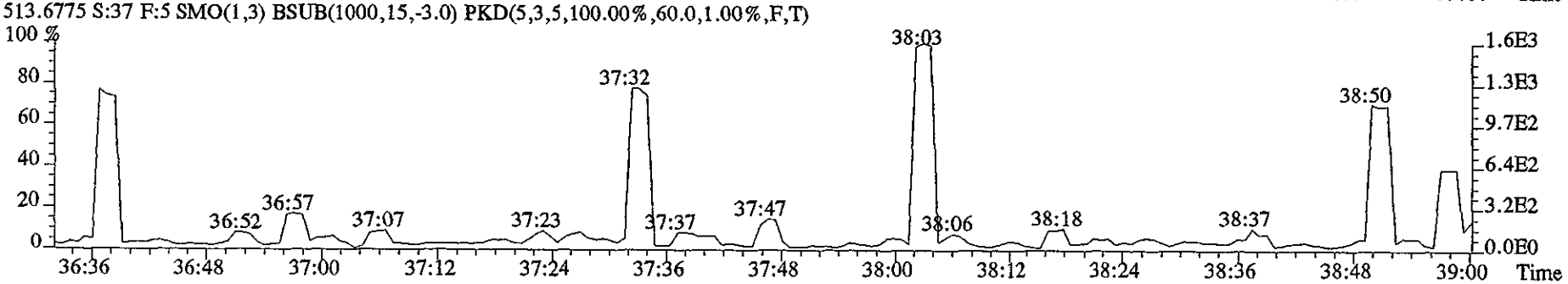
441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



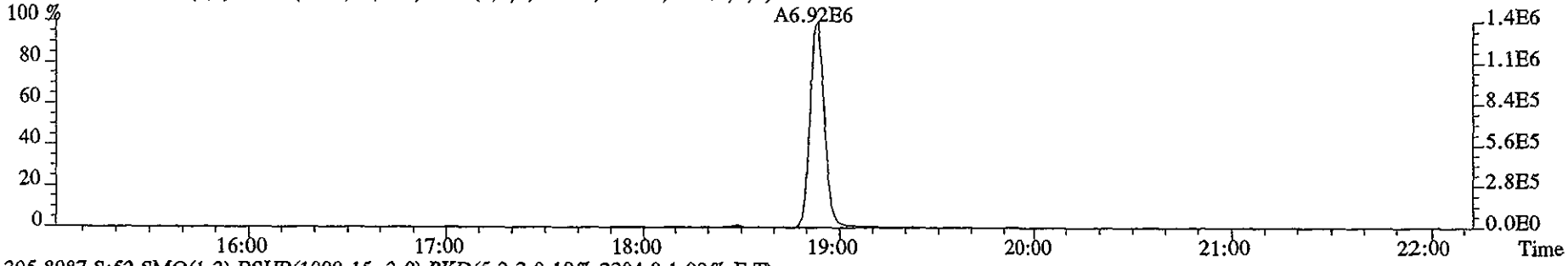
443.7399 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



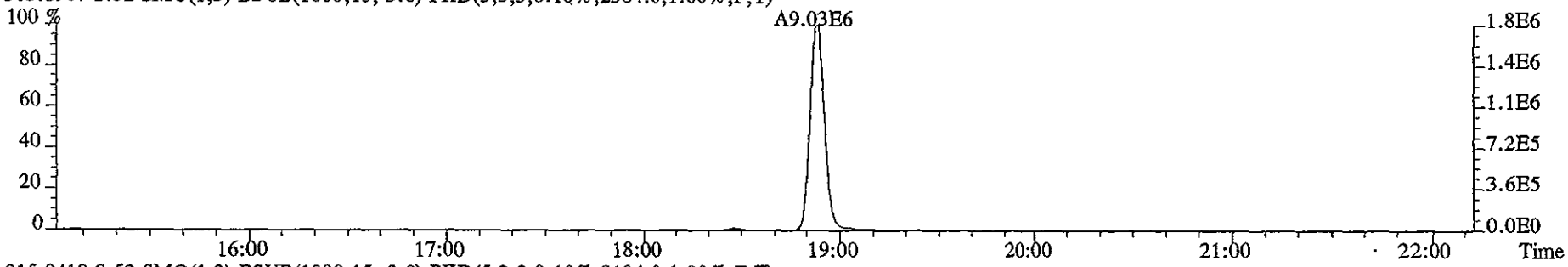
513.6775 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,60.0,1.00%,F,T)



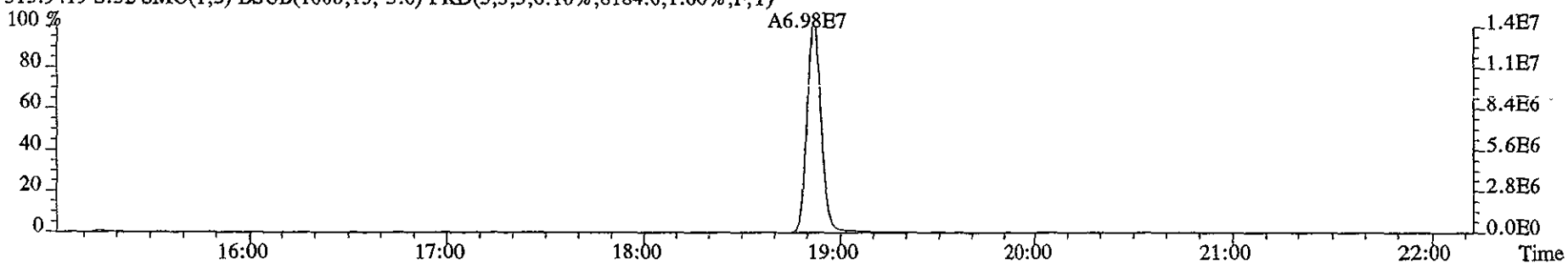
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
303.9016 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



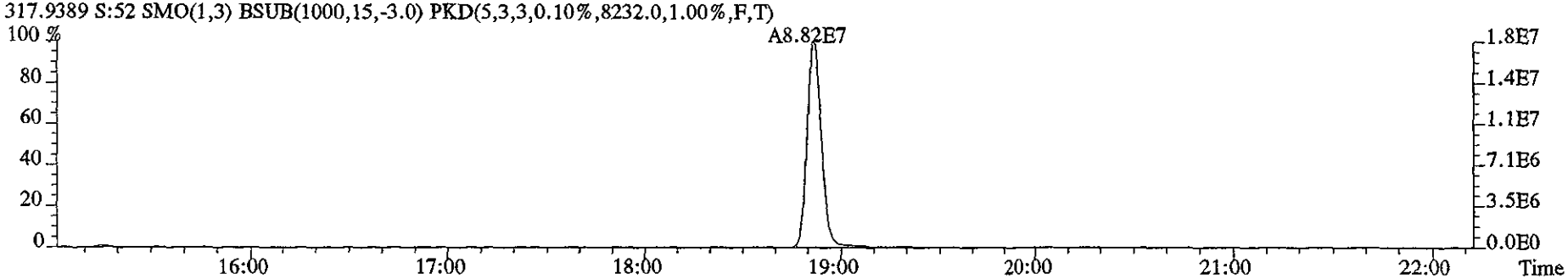
305.8987 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)



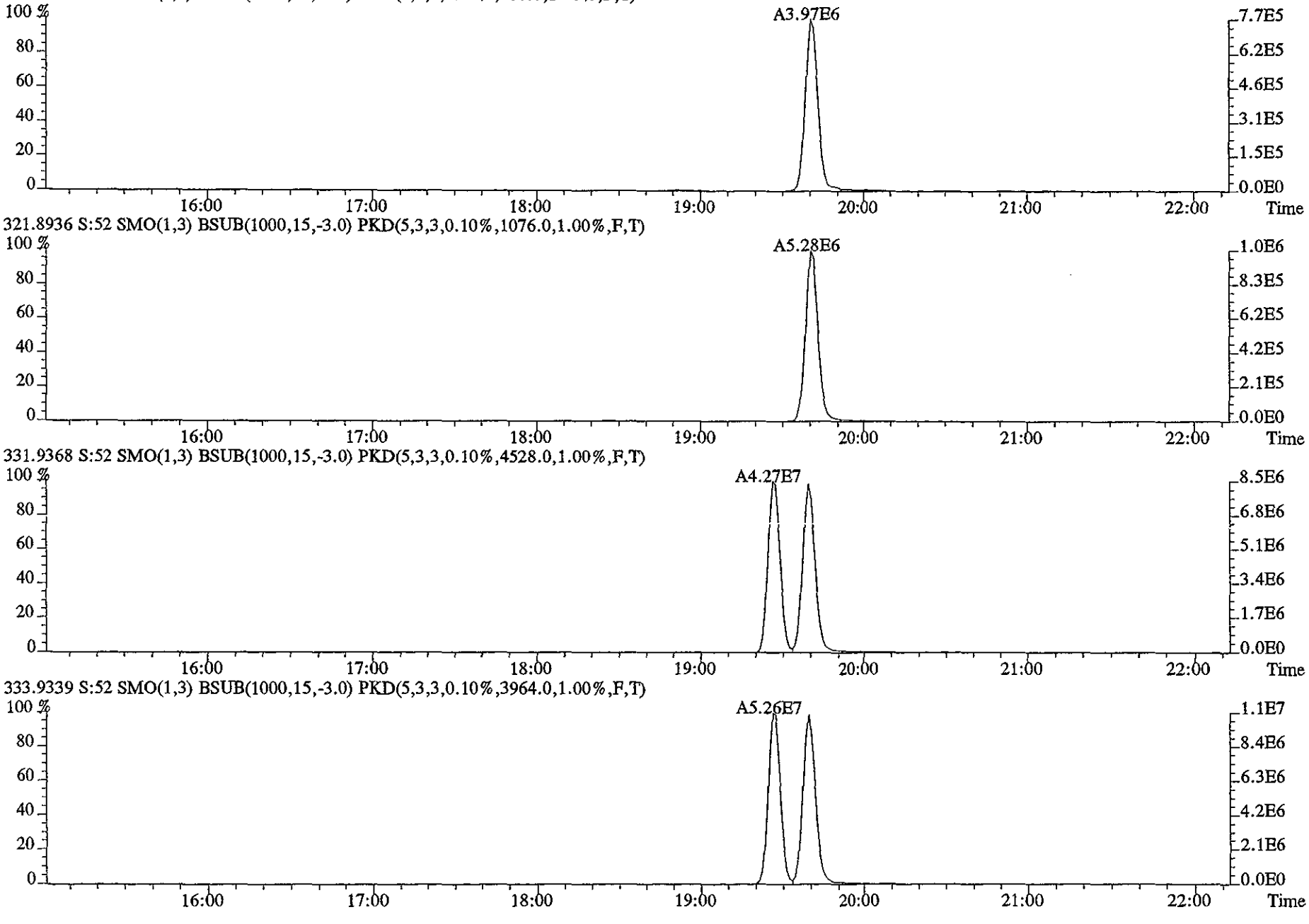
315.9419 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8184.0,1.00%,F,T)



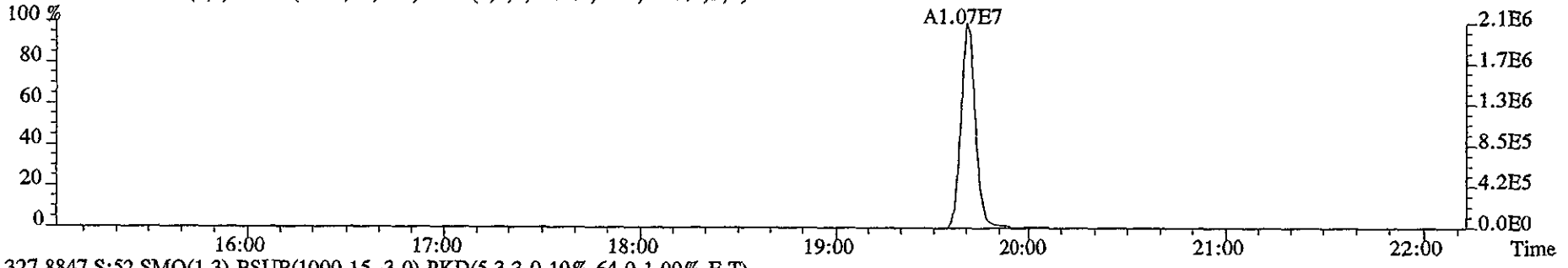
317.9389 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8232.0,1.00%,F,T)



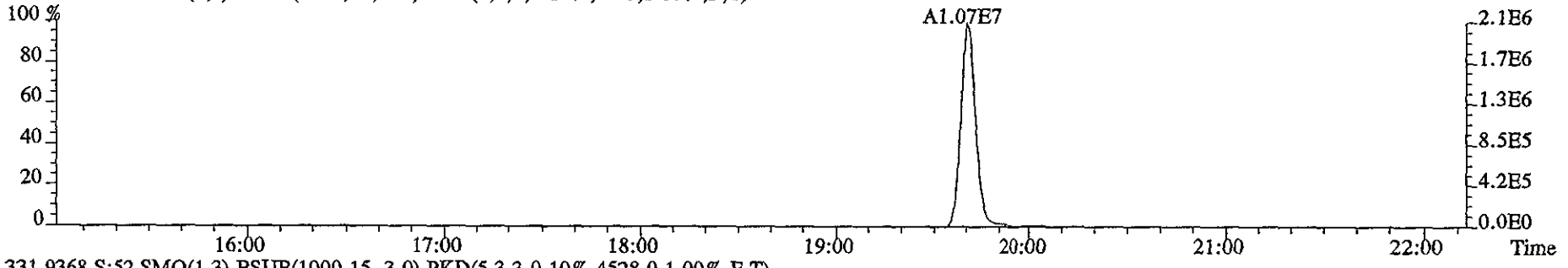
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A



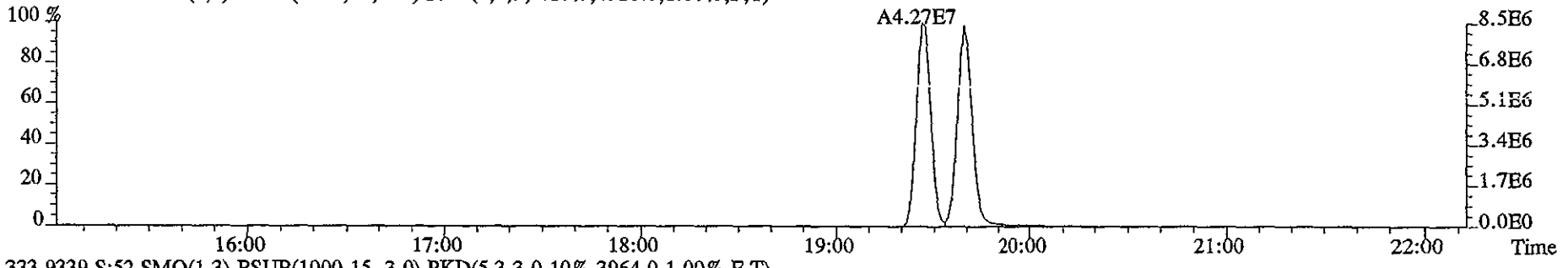
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
327.8847 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



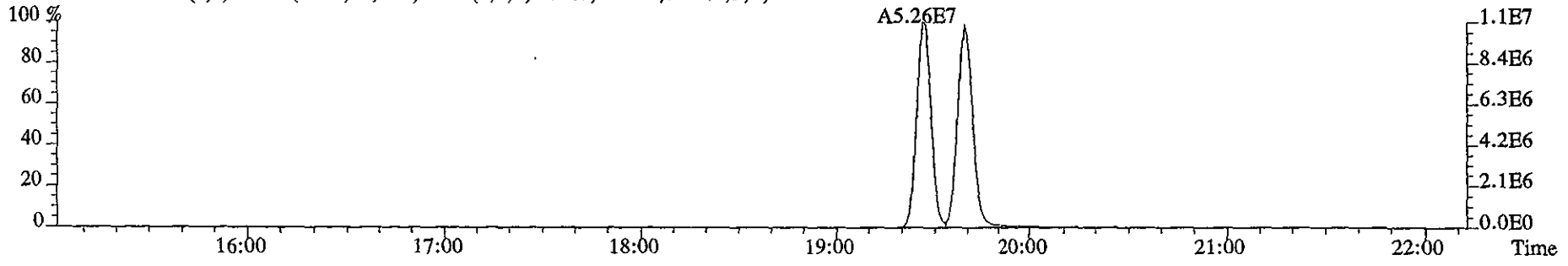
327.8847 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



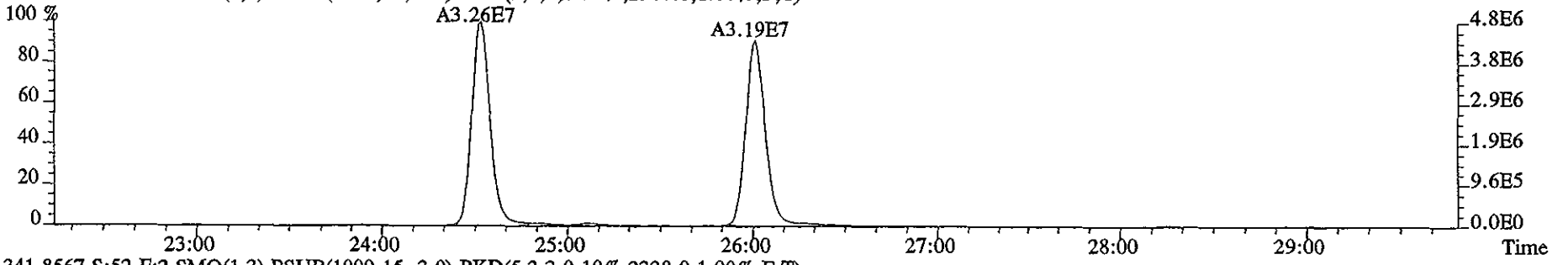
331.9368 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4528.0,1.00%,F,T)



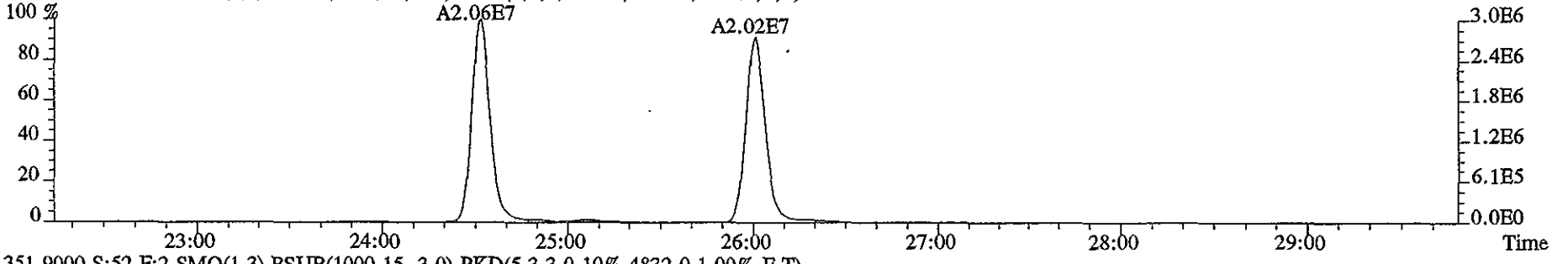
333.9339 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3964.0,1.00%,F,T)



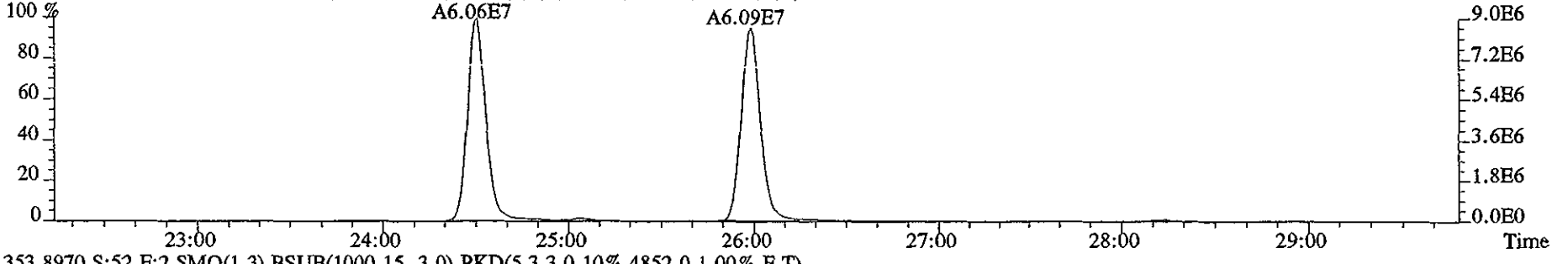
File:07MY104D5 #1-604 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



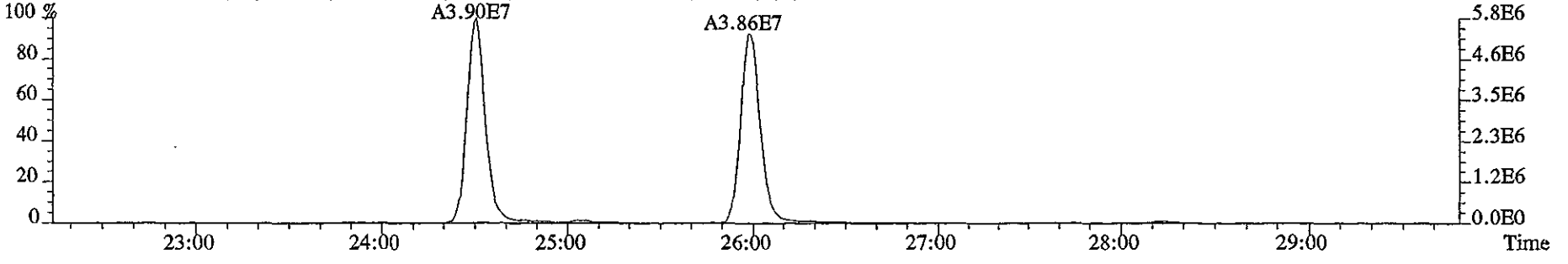
341.8567 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



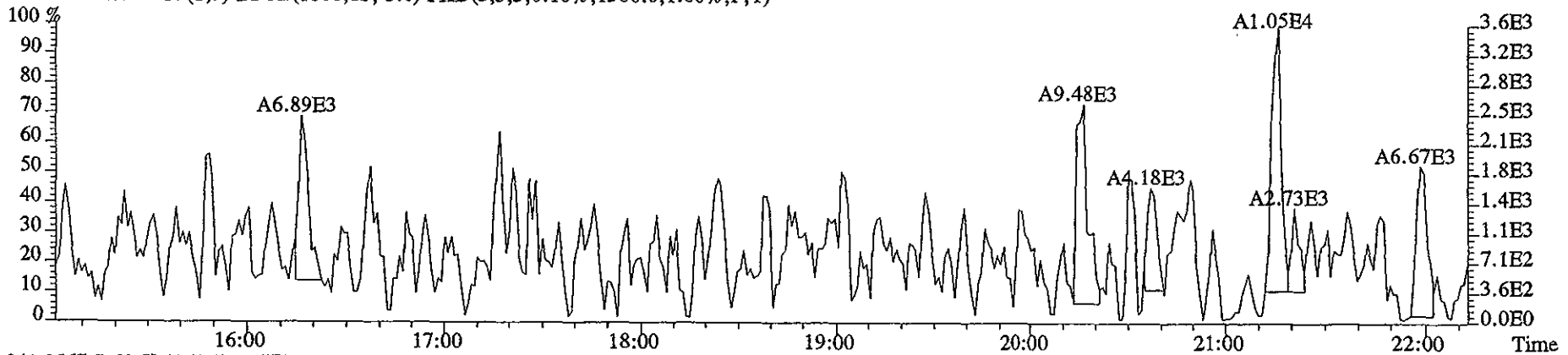
351.9000 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



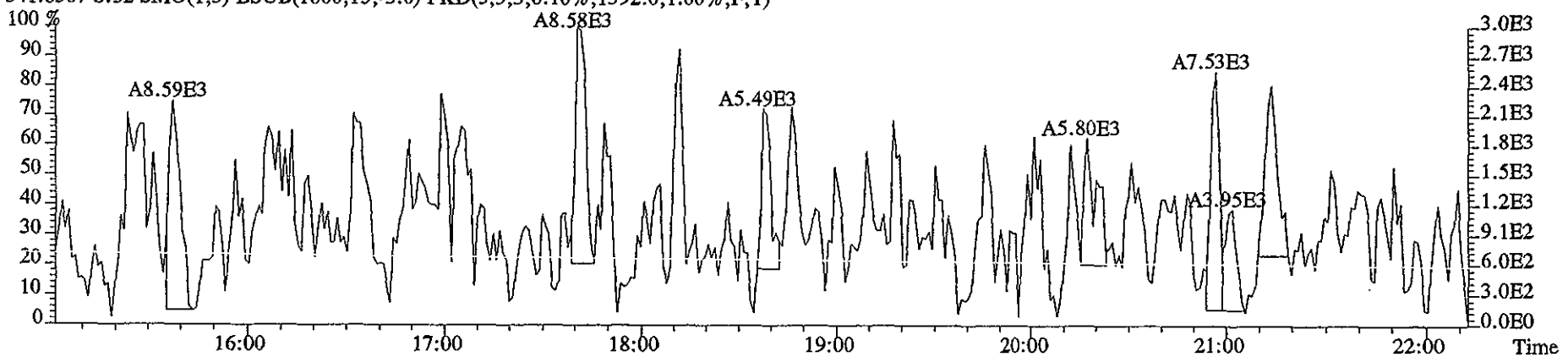
353.8970 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4852.0,1.00%,F,T)



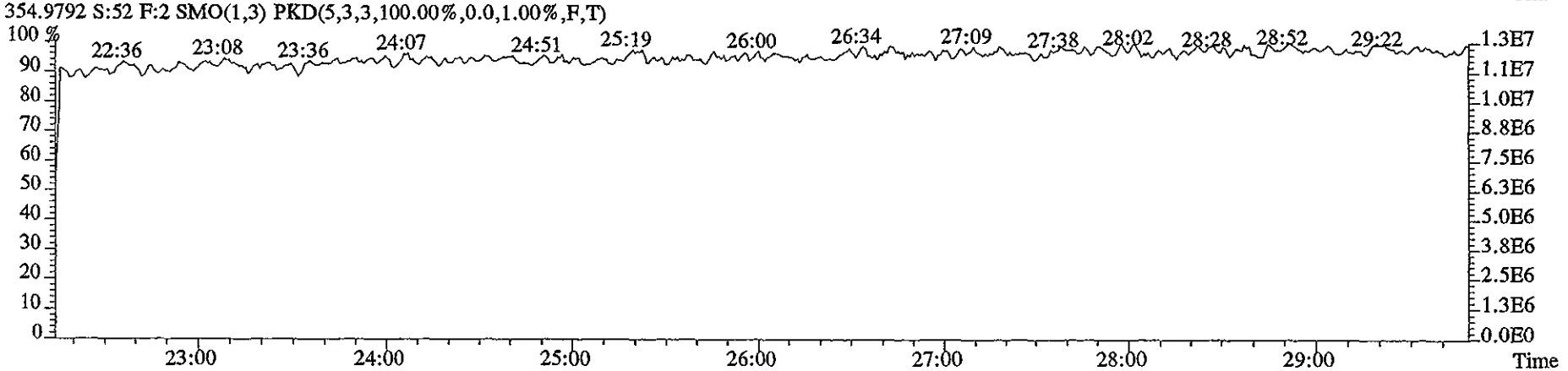
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1300.0,1.00%,F,T)



341.8567 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1392.0,1.00%,F,T)

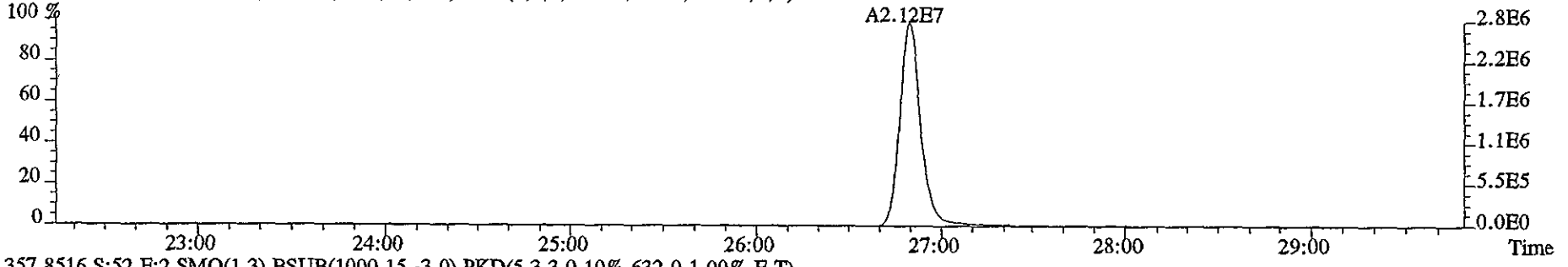


354.9792 S:52 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

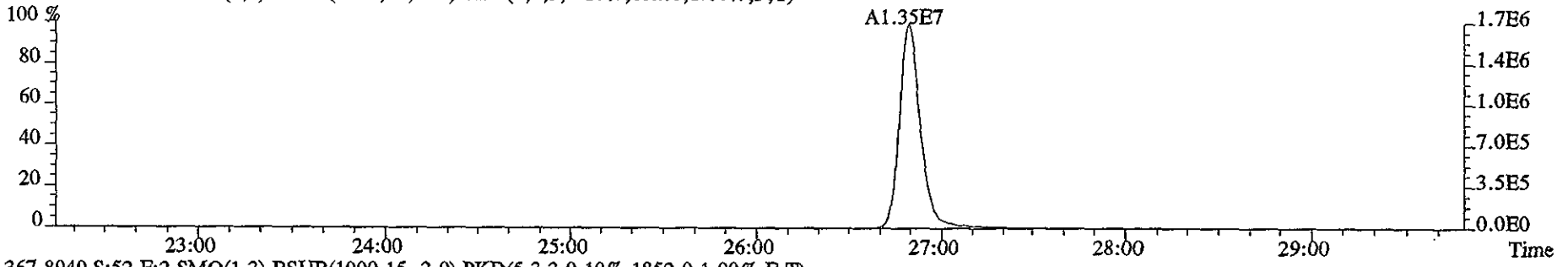


File:07MY104D5 #1-604 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

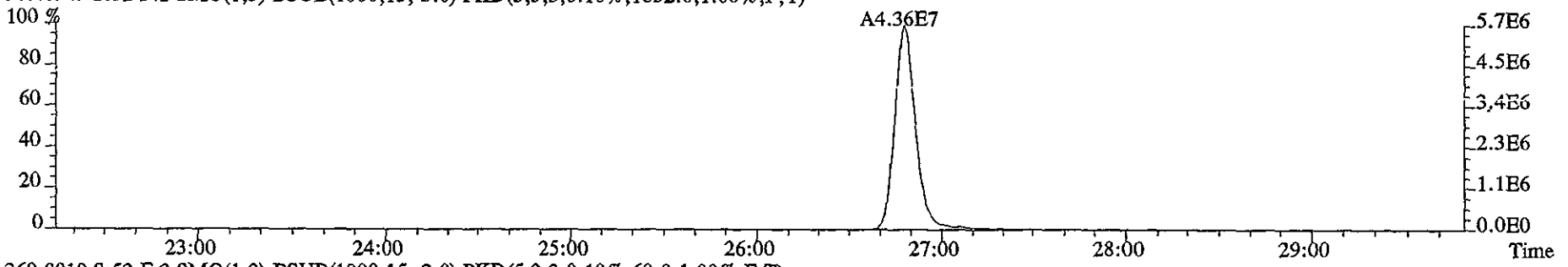
355.8546 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,940.0,1.00%,F,T)



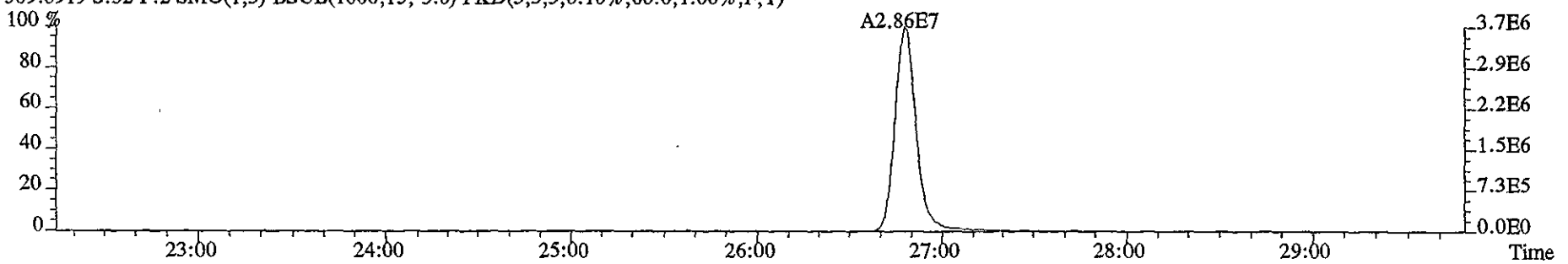
357.8516 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,632.0,1.00%,F,T)



367.8949 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1852.0,1.00%,F,T)

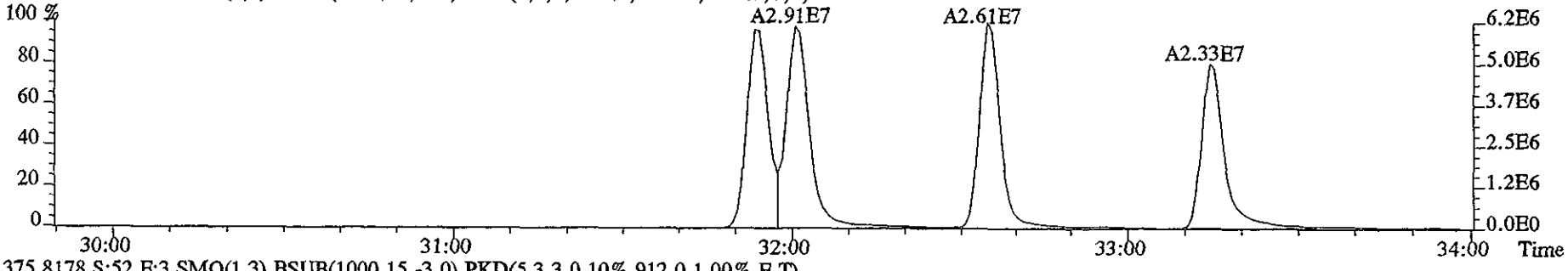


369.8919 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)

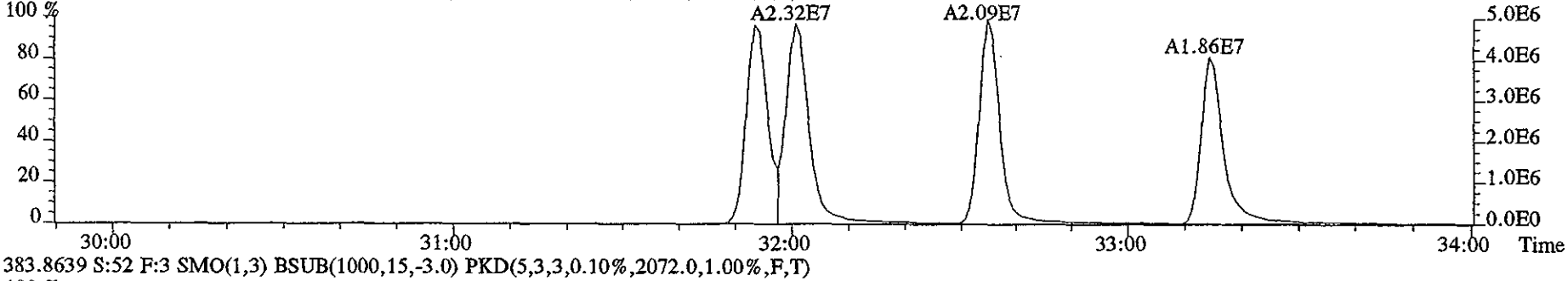


File:07MY104D5 #1-317 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A

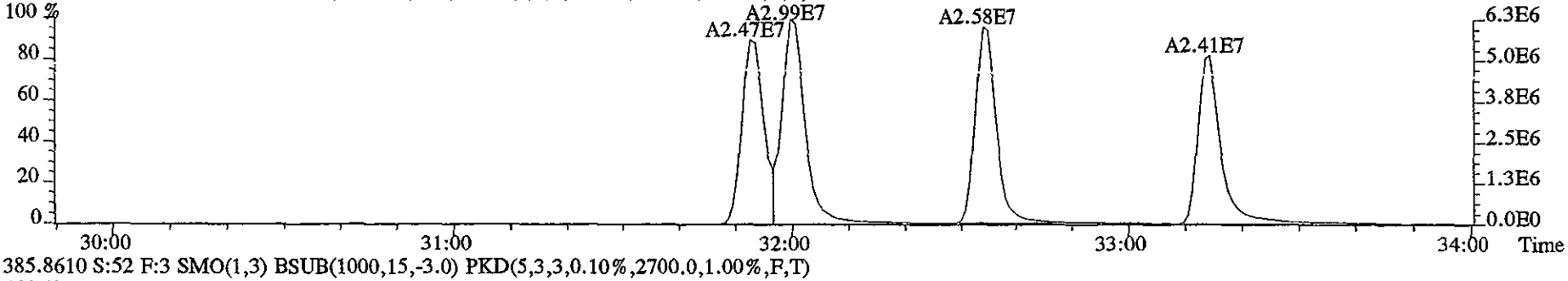
373.8208 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1596.0,1.00%,F,T)



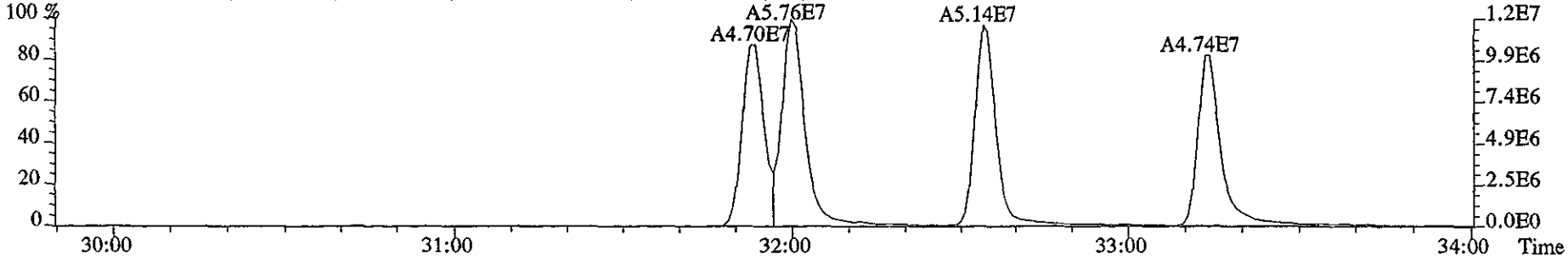
375.8178 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,912.0,1.00%,F,T)



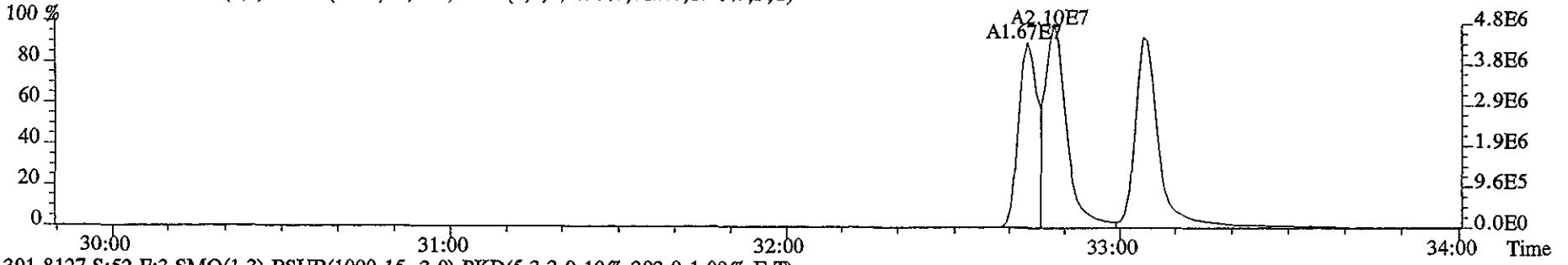
383.8639 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2072.0,1.00%,F,T)



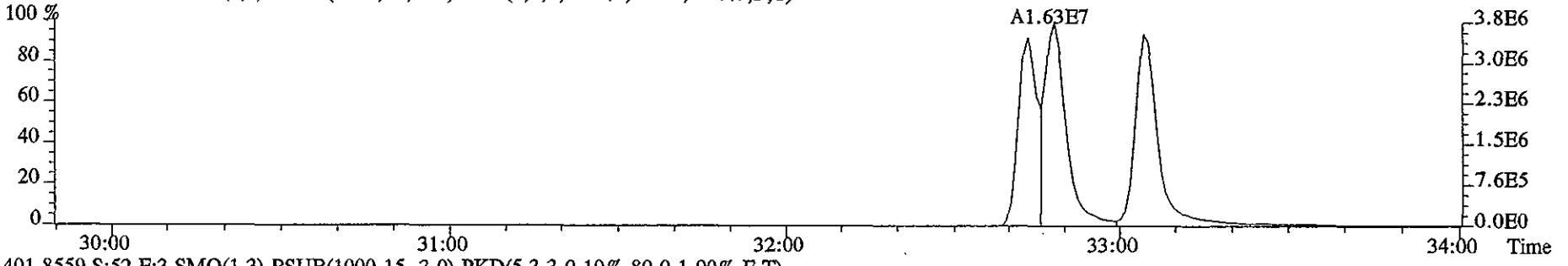
385.8610 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2700.0,1.00%,F,T)



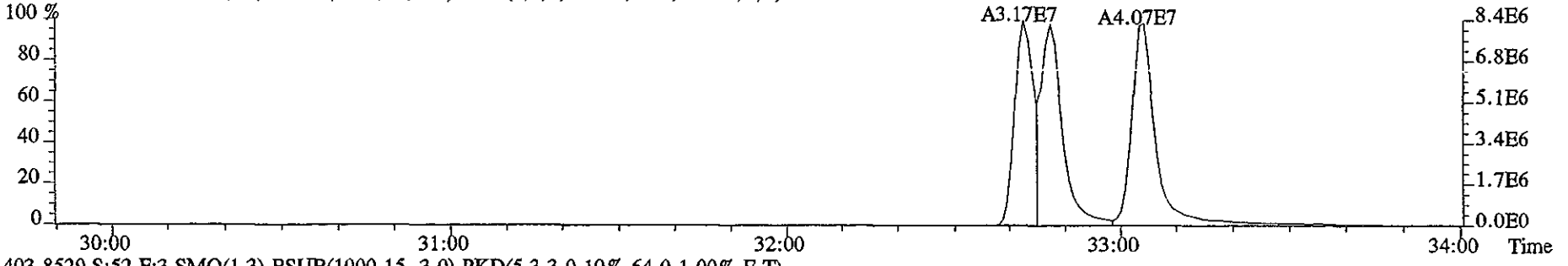
File:07MY104D5 #1-317 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
389.8157 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



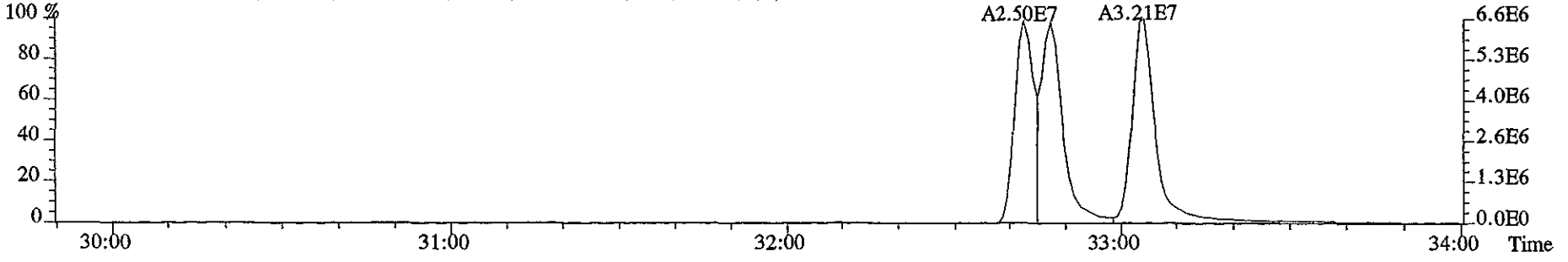
391.8127 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,392.0,1.00%,F,T)



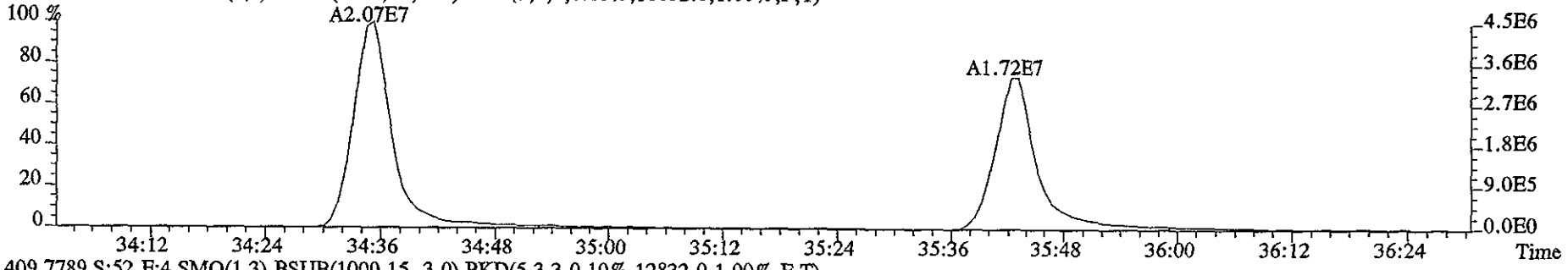
401.8559 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



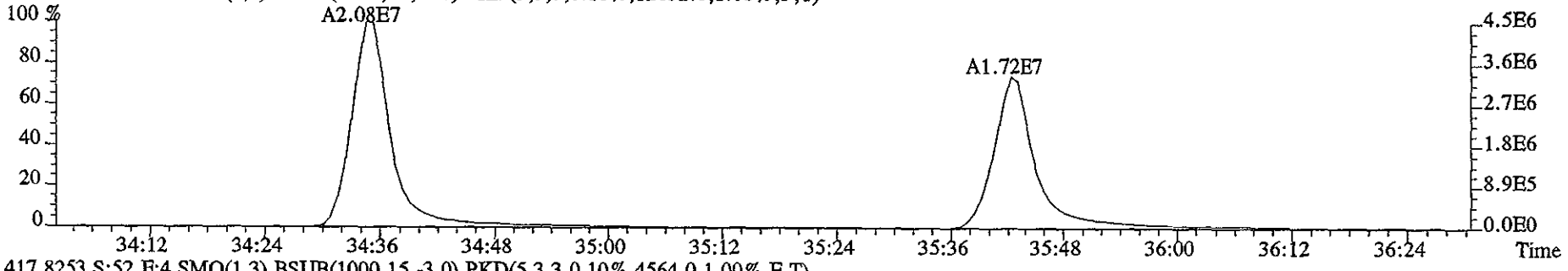
403.8529 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



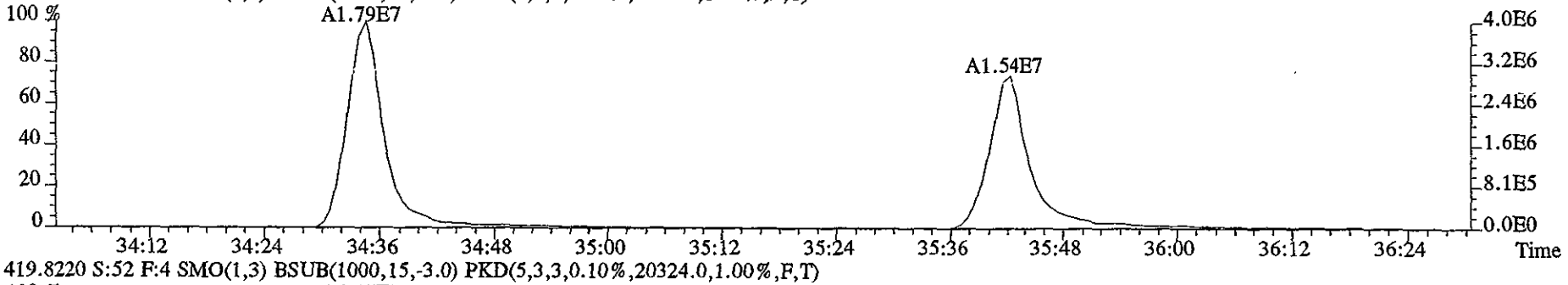
File:07MY104D5 #1-198 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
407.7818 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10852.0,1.00%,F,T)



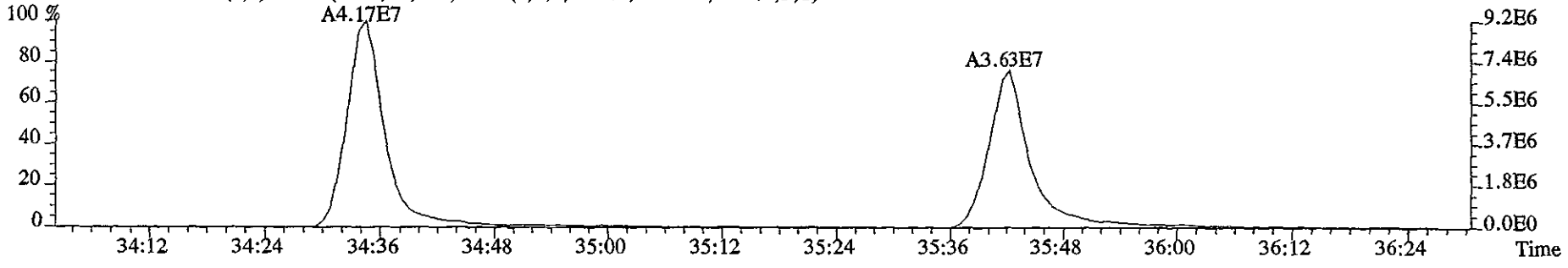
409.7789 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12832.0,1.00%,F,T)



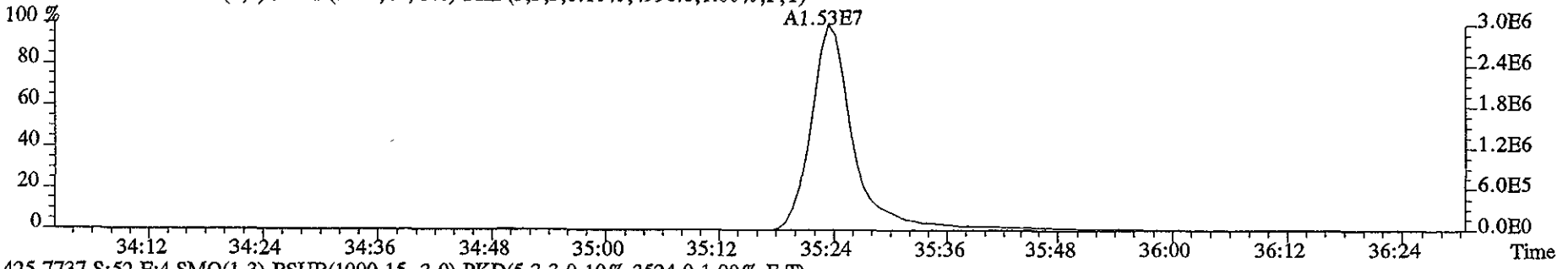
417.8253 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4564.0,1.00%,F,T)



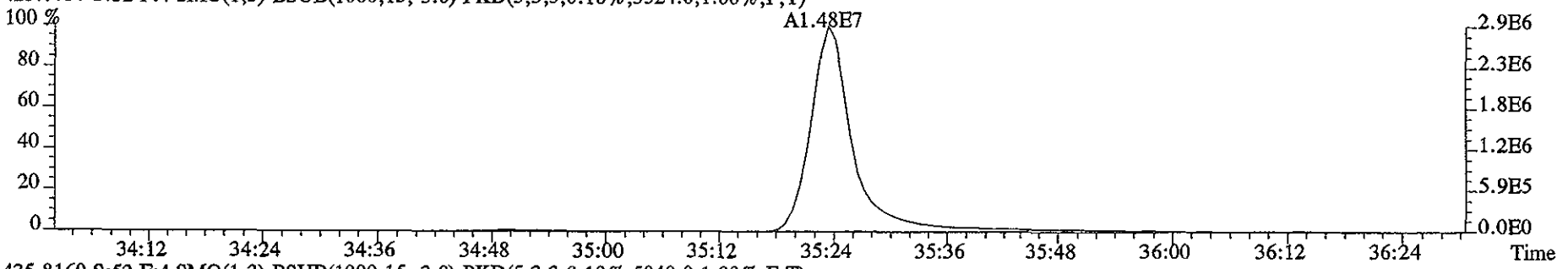
419.8220 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20324.0,1.00%,F,T)



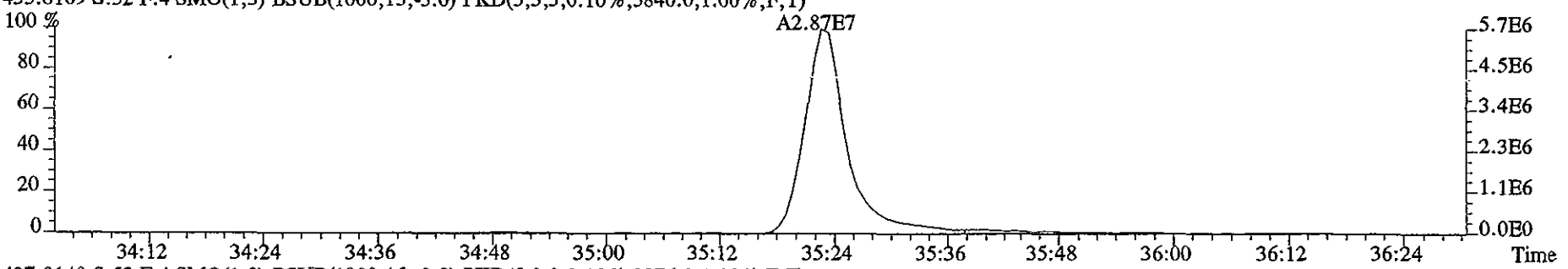
File:07MY104D5 #1-198 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
423.7766 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4996.0,1.00%,F,T)



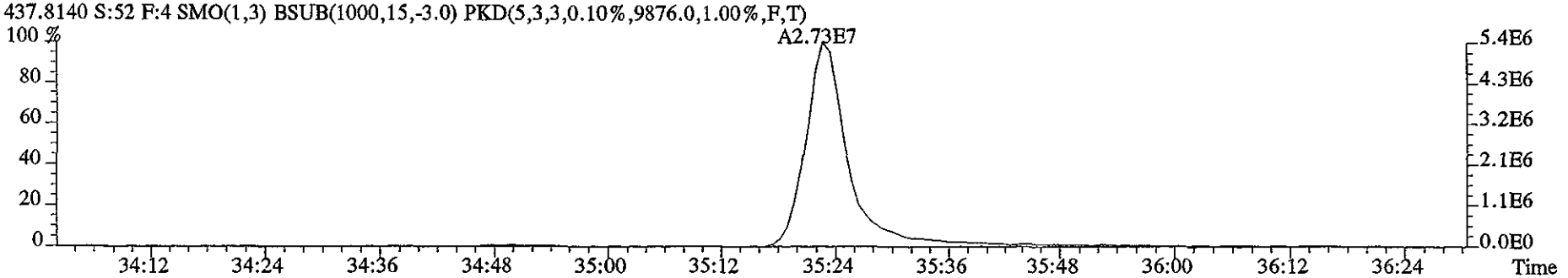
425.7737 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



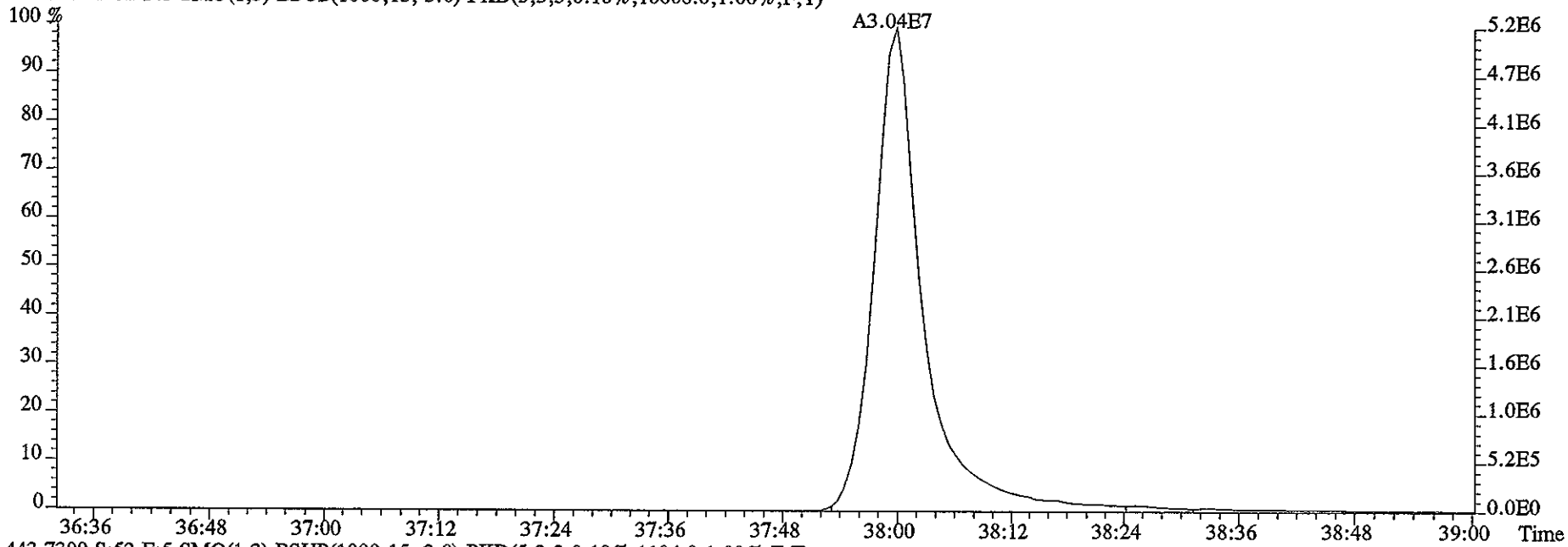
435.8169 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5840.0,1.00%,F,T)



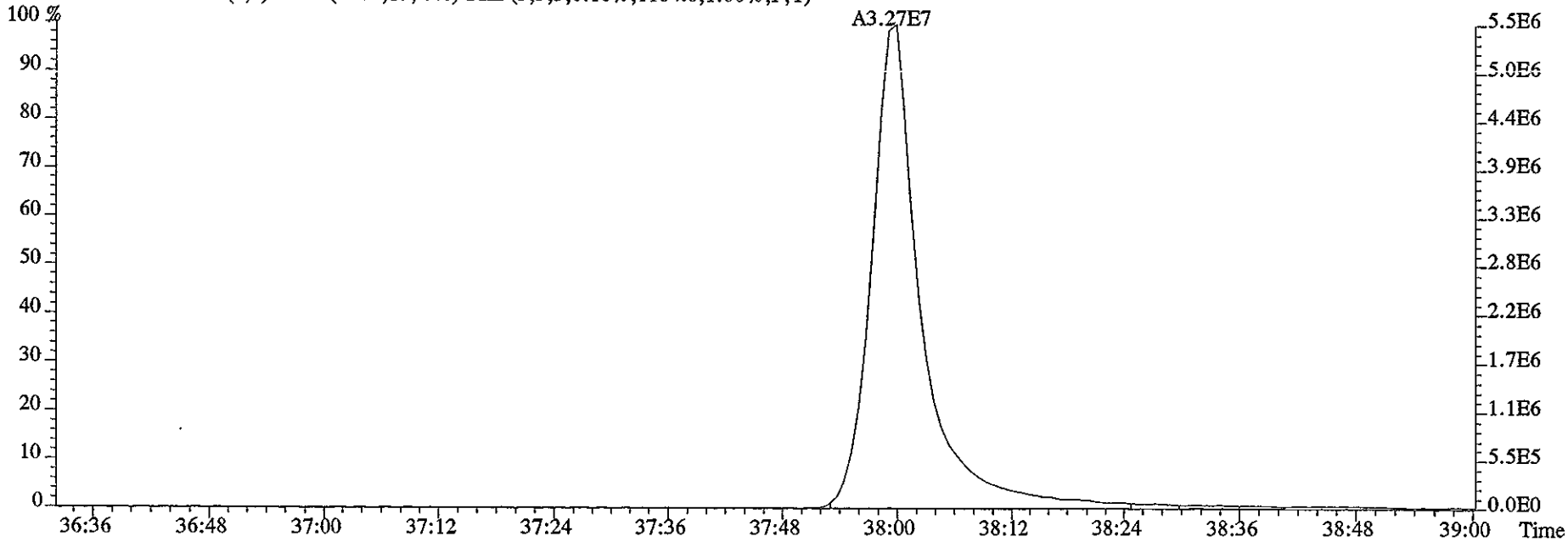
437.8140 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9876.0,1.00%,F,T)



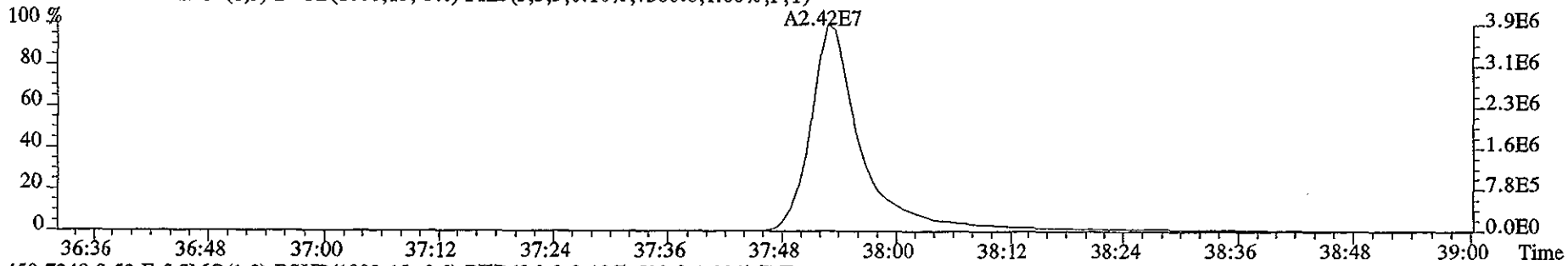
File:07MY104D5 #1-190 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
441.7428 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10008.0,1.00%,F,T)



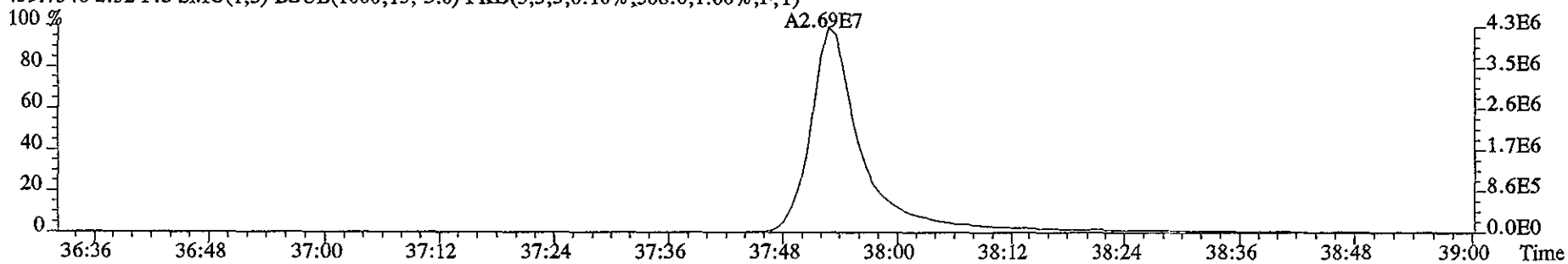
443.7399 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



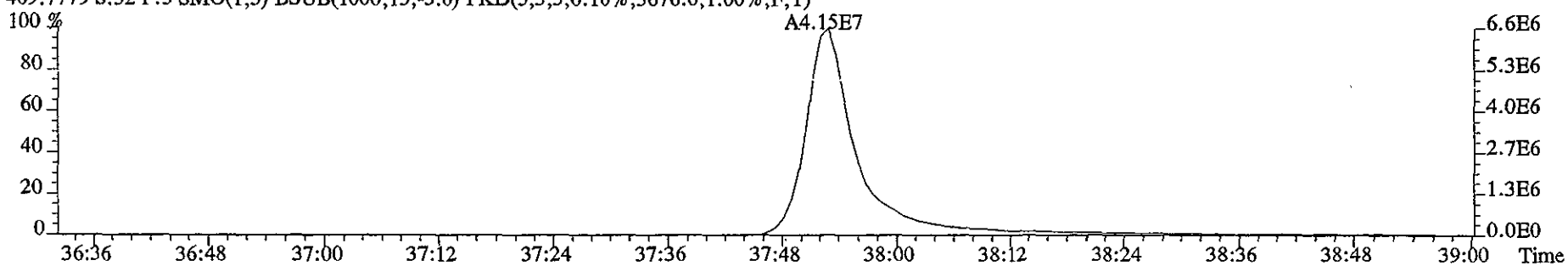
File:07MY104D5 #1-190 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
457.7377 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7300.0,1.00%,F,T)



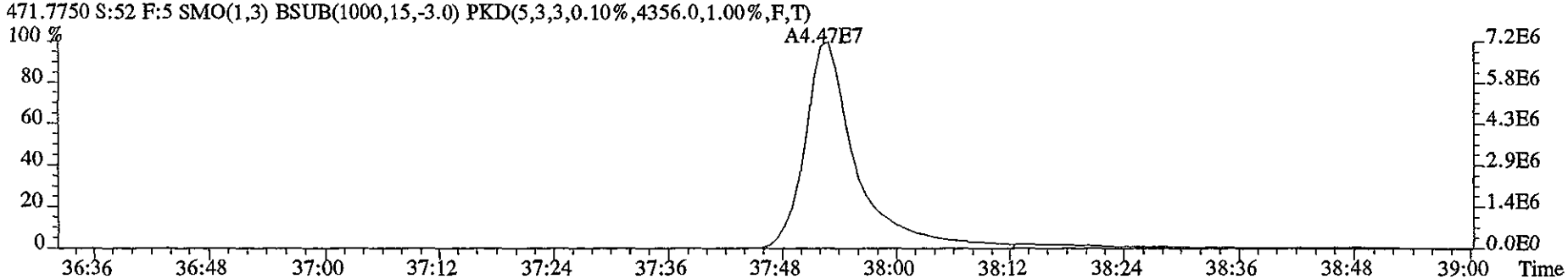
459.7348 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,508.0,1.00%,F,T)



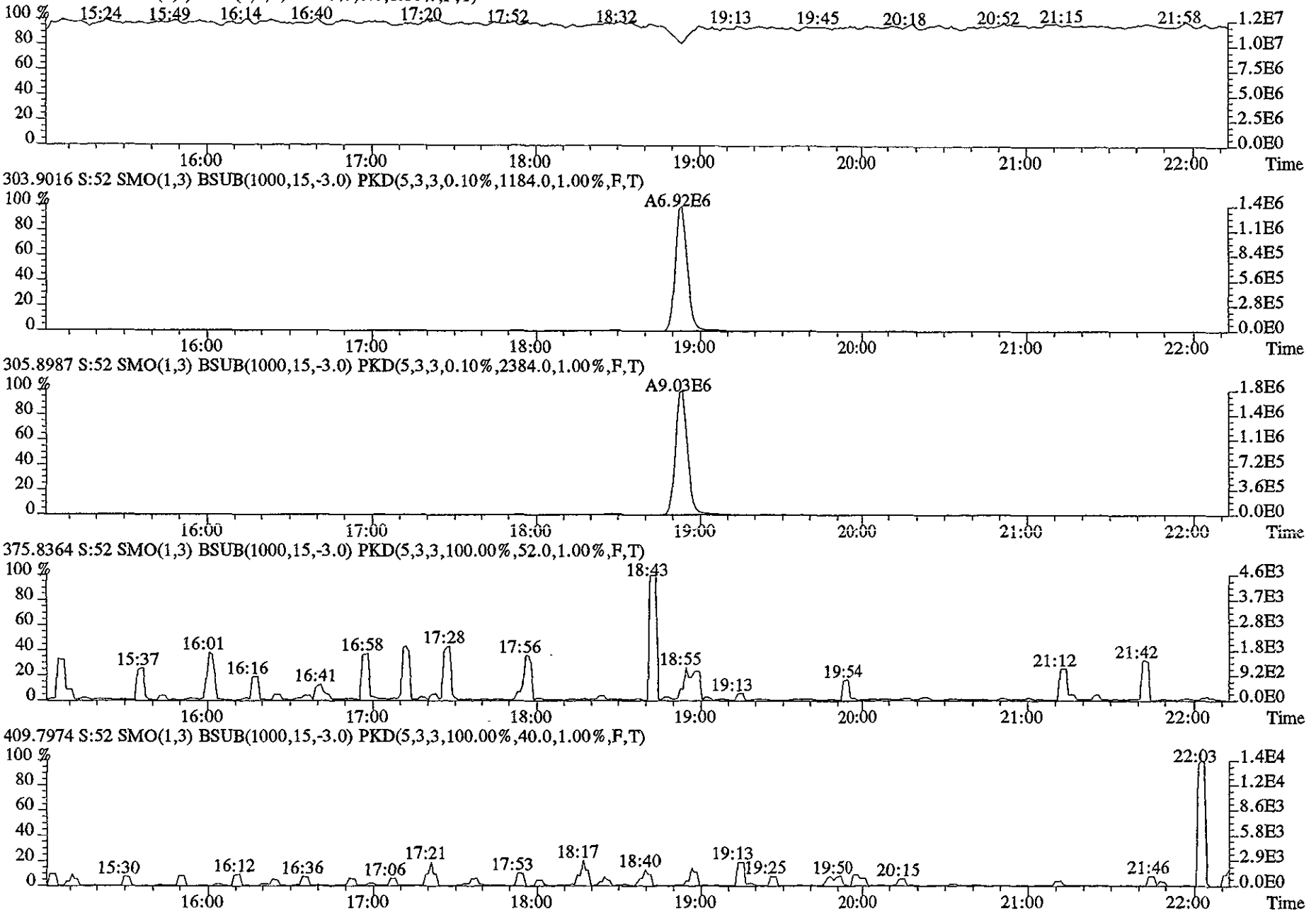
469.7779 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)



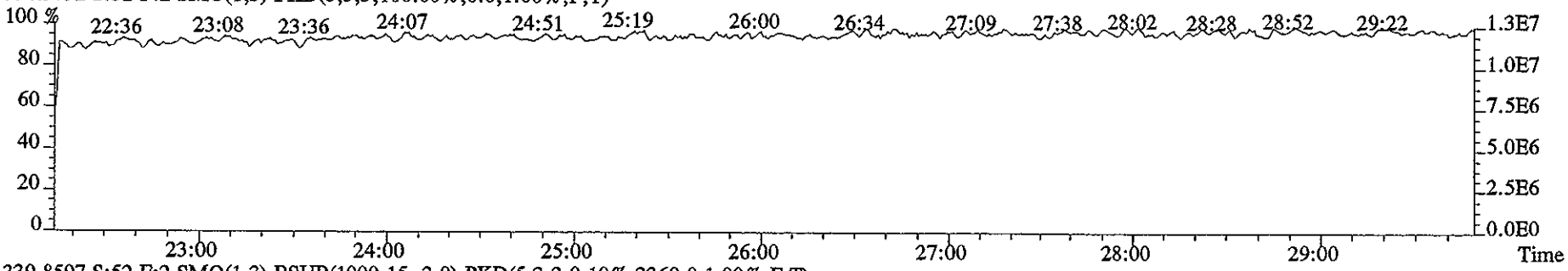
471.7750 S:52 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4356.0,1.00%,F,T)



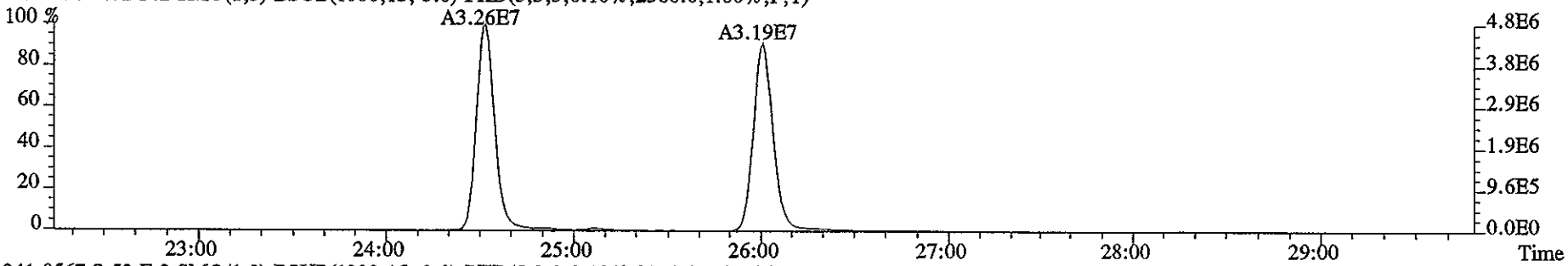
File:07MY104D5 #1-434 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A



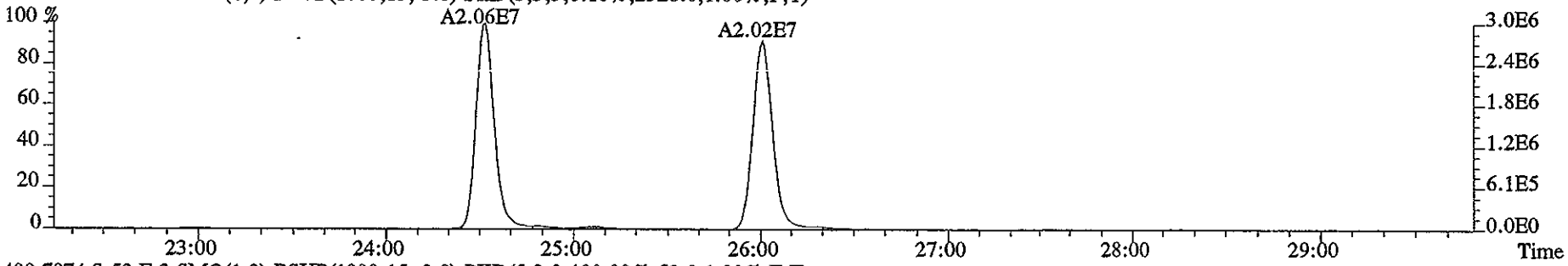
File:07MY104D5 #1-604 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
354.9792 S:52 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



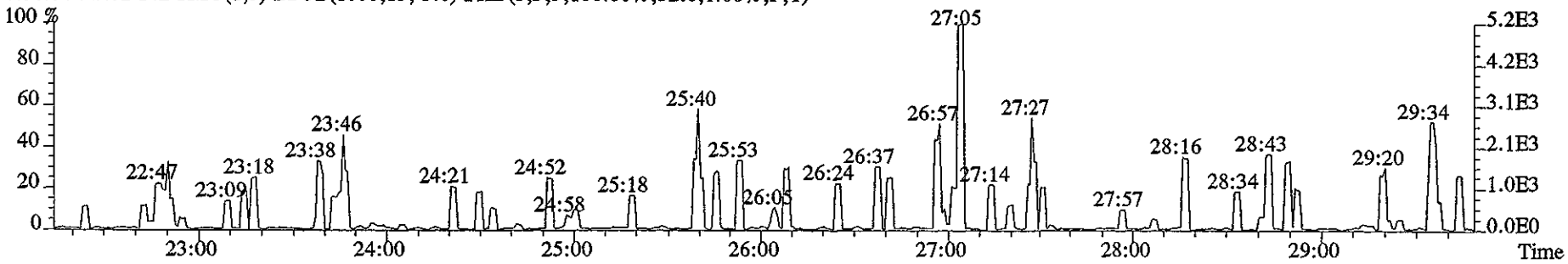
339.8597 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



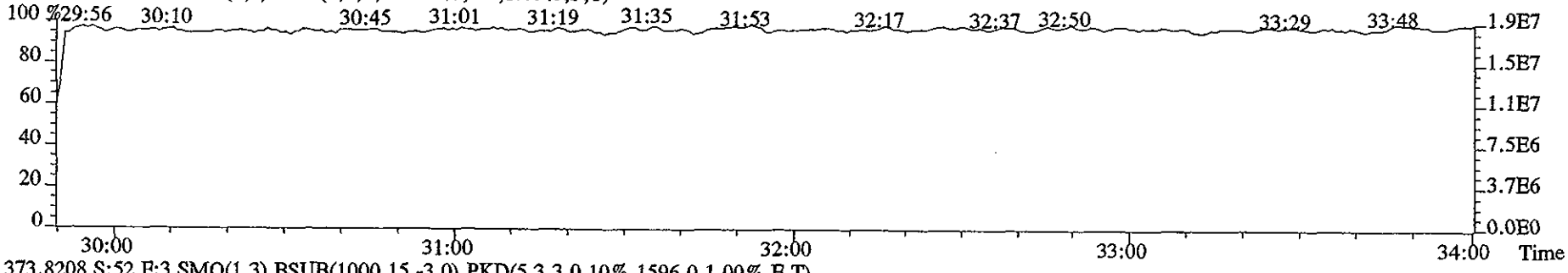
341.8567 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



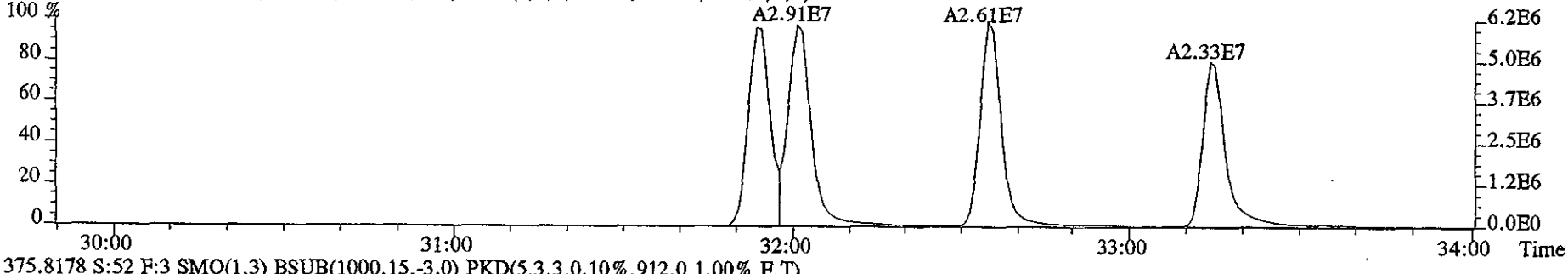
409.7974 S:52 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



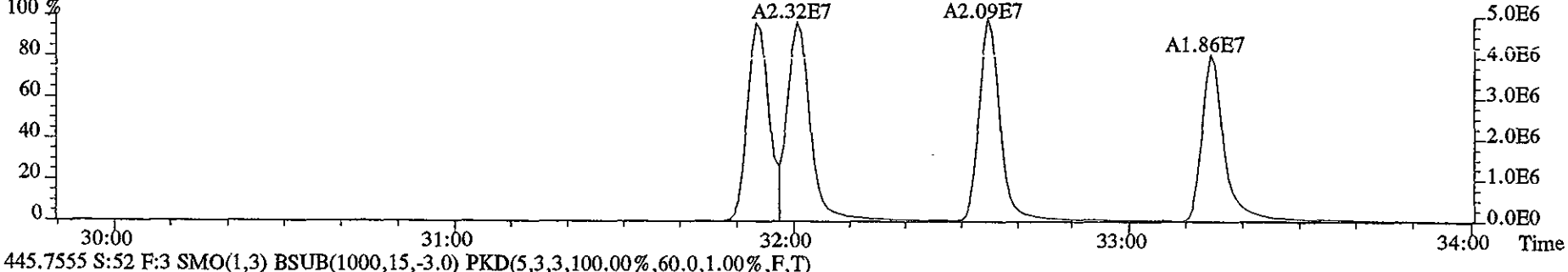
File:07MY104D5 #1-317 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
430.9728 S:52 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



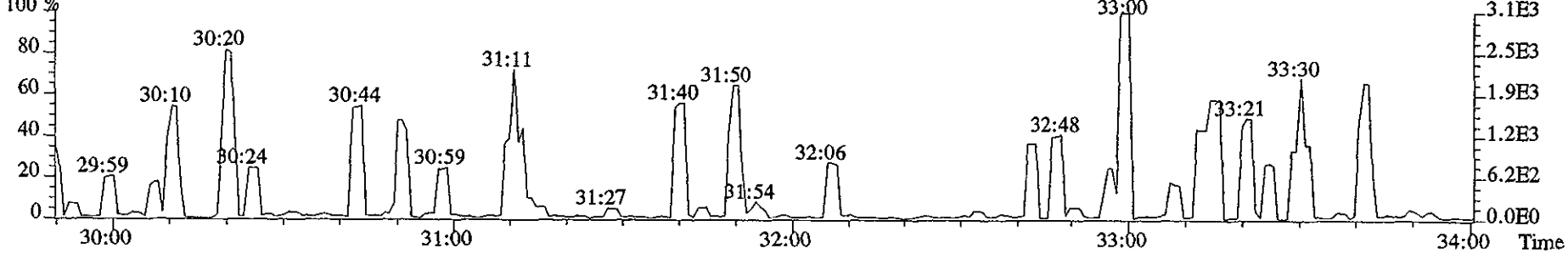
373.8208 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1596.0,1.00%,F,T)



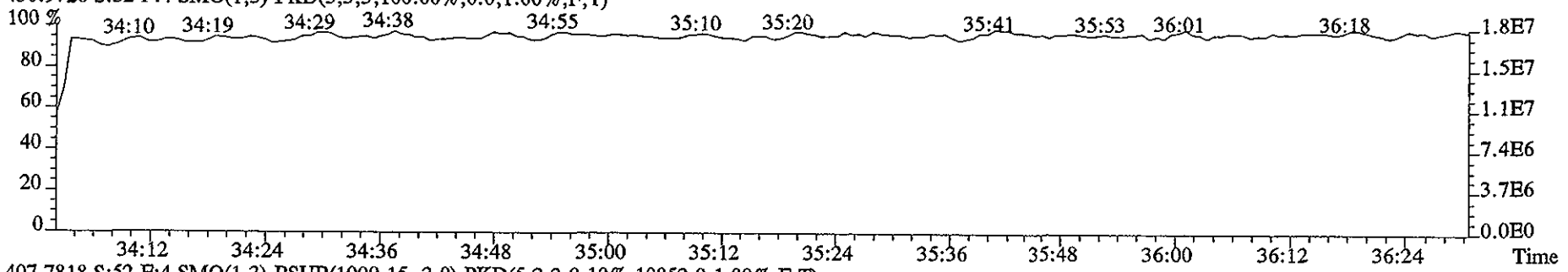
375.8178 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,912.0,1.00%,F,T)



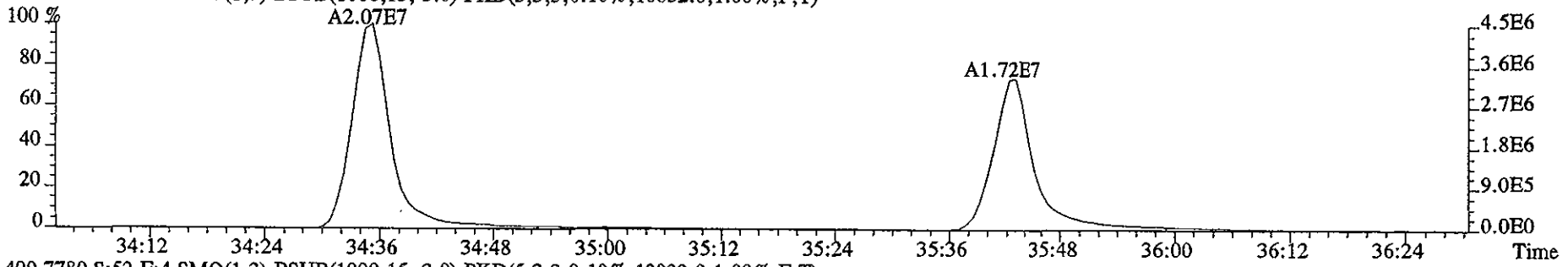
445.7555 S:52 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,60.0,1.00%,F,T)



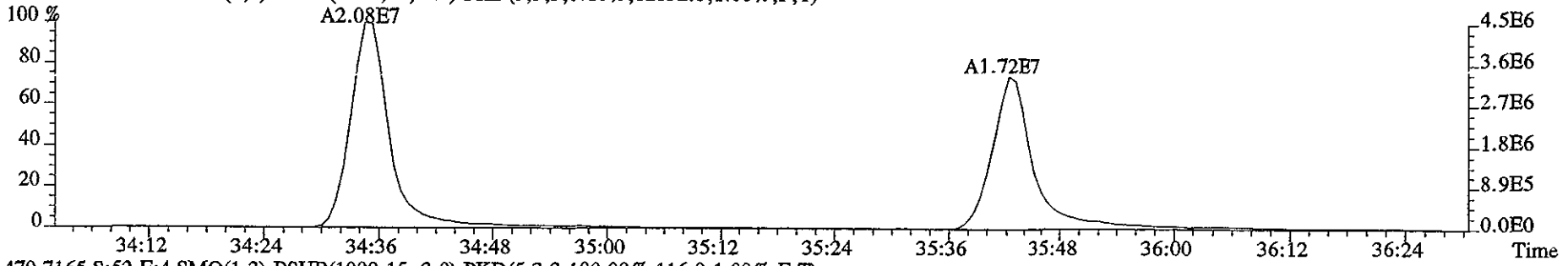
File:07MY104D5 #1-198 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A
430.9728 S:52 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



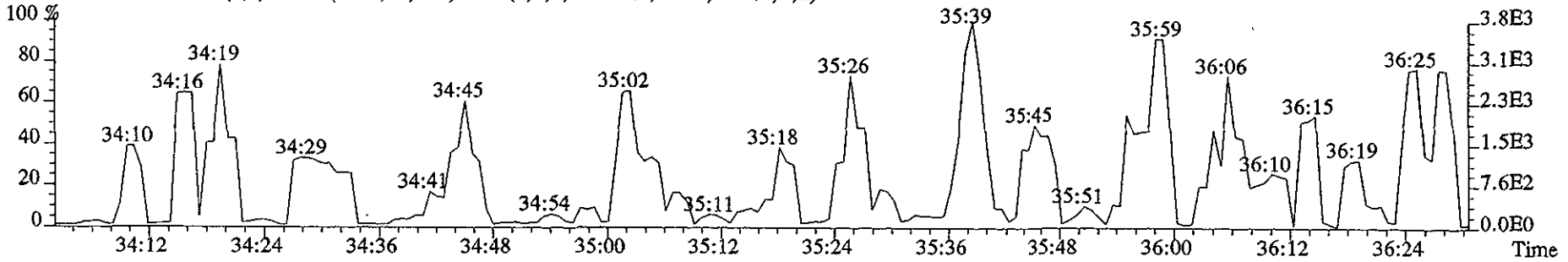
407.7818 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10852.0,1.00%,F,T)



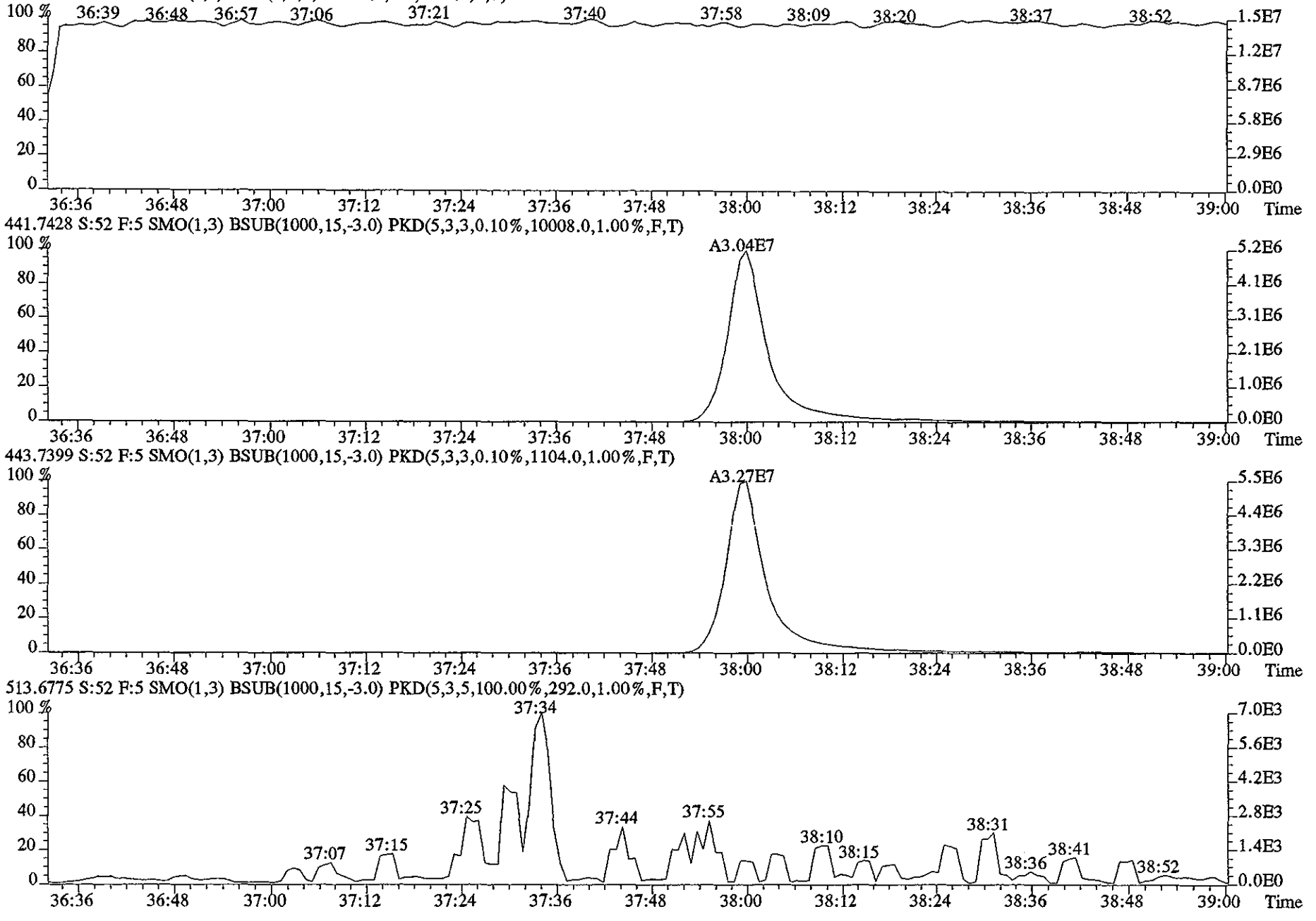
409.7789 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12832.0,1.00%,F,T)



479.7165 S:52 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)



File:07MY104D5 #1-190 Acq: 9-MAY-2010 00:12:28 GC EI+ Voltage SIR Autospec-UltimaE
Sample#52 Text:ST0507C :CS3 10DXN126 Exp:DIOXINRES8290A



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290 **Associated ICAL** 8290 123109 IDS

Column ID DB5 **Instrument ID** IDS

STD ID STO426B, STO426C **STD Solution** 10 DKN 111

Analyzed by AM **Date Analyzed** 4/26/10; 4/27/10

Std. Pkg. By MG **Date Std. Pkg. Assembled** 4/27/10

Std. Pkg. Reviewed By SMA **Date Std. Pkg. Reviewed** 4/27/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria.

** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0426B File text: ST0426B :CS3 10DXN111
Run #6 Filename 26AP10A1D5 S: 2 I: 1
Acquired: 26-APR-10 19:26:59 Processed: 27-APR-10 10:16:28
Run: 26AP10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 26AP10A4D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	227830000	0.81 y	17:29	-	100.00	-	n
13C-2,3,7,8-TCDF	345793000	0.79 y	16:58	1.52	100.00	-3.1	n
2,3,7,8-TCDF	31824900	0.77 y	16:59	0.92	10.00	7.0	n
Total TCDF	32307925	0.53 n	16:38	0.92	10.00	7.0	n
13C-2,3,7,8-TCDD	226001000	0.80 y	17:40	0.99	100.00	-0.1	n
2,3,7,8-TCDD	21091100	0.72 y	17:41	0.93	10.00	-0.1	n
Total TCDD	21543744	4.02 n	16:58	0.93	10.00	-0.1	n
37Cl-2,3,7,8-TCDD	48462400	1.00 y	17:41	2.13	10.00	-4.1	n
13C-1,2,3,7,8-PeCDF	242672100	1.62 y	21:54	1.07	100.00	-0.7	n
1,2,3,7,8-PeCDF	121876300	1.55 y	21:55	1.00	50.00	0.4	n
2,3,4,7,8-PeCDF	126711700	1.60 y	23:14	1.04	50.00	11.3	n
Total F2 PeCDF	250318223	1.16 n	20:34	1.02	100.00	5.7	n
Total F1 PeCDF	317299	1.18 n	15:08	1.02	100.00	5.7	n
13C-1,2,3,7,8-PeCDD	165584500	1.63 y	23:55	0.73	100.00	9.1	n
1,2,3,7,8-PeCDD	83212800	1.59 y	23:57	1.01	50.00	8.2	n
Total PeCDD	83753468	1.59 y	23:57	1.01	50.00	8.2	n
13C-1,2,3,7,8,9-HxCDD	152968000	1.33 y	32:02	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	151799600	0.51 y	30:07	0.99	100.00	11.1	n
1,2,3,4,7,8-HxCDF	91672400	1.26 y	30:08	1.21	50.00	0.7	n
1,2,3,6,7,8-HxCDF	106245900	1.26 y	30:22	1.40	50.00	2.1	n
2,3,4,6,7,8-HxCDF	104349500	1.23 y	31:20	1.37	50.00	10.7	n
1,2,3,7,8,9-HxCDF	99559800	1.25 y	32:15	1.31	50.00	-1.1	n
Total HxCDF	402582853	1.26 y	30:08	1.32	200.00	3.0	n
13C-1,2,3,6,7,8-HxCDD	140814400	1.30 y	31:38	0.92	100.00	25.7	n
1,2,3,4,7,8-HxCDD	62648600	1.24 y	31:32	0.89	50.00	-8.3	n
1,2,3,6,7,8-HxCDD	81159000	1.27 y	31:39	1.15	50.00	8.9	n
1,2,3,7,8,9-HxCDD	79132500	1.27 y	32:02	1.12	50.00	-11.9	n
Total HxCDD	223544061	1.24 y	31:32	1.06	150.00	-4.2	n
13C-1,2,3,4,6,7,8-HpCDF	144991500	0.43 y	33:52	0.95	100.00	10.2	n
1,2,3,4,6,7,8-HpCDF	95902100	1.03 y	33:53	1.32	50.00	2.8	n
1,2,3,4,7,8,9-HpCDF	77733400	1.03 y	35:05	1.07	50.00	-5.6	n
Total HpCDF	173635500	1.03 y	33:53	1.20	100.00	-1.1	n
13C-1,2,3,4,6,7,8-HpCDD	124535100	1.08 y	34:45	0.81	100.00	8.2	n
1,2,3,4,6,7,8-HpCDD	66010200	1.06 y	34:45	1.06	50.00	6.2	n
Total HpCDD	66160827	1.79 n	34:08	1.06	50.00	6.2	n
13C-OCDD	141864600	0.91 y	37:21	0.46	200.00	-17.8	n
OCDF	109305400	0.90 y	37:28	1.54	100.00	7.2	n
OCDD	85587500	0.89 y	37:22	1.21	100.00	8.7	n

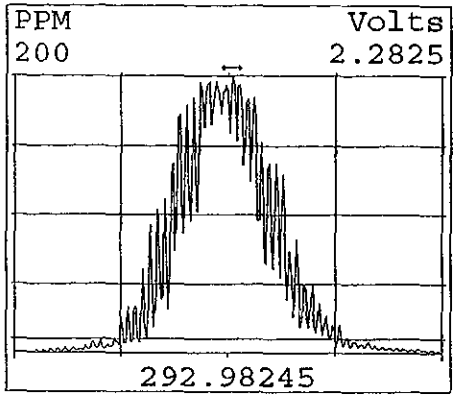
Run text: ST0426C File text: ST0426C :CS3 10DXN111
Run #15 Filename 26AP10A1D5 S: 14 I: 1
Acquired: 27-APR-10 04:07:07 Processed: 27-APR-10 10:18:23
Run: 26AP10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 26AP10A4D58290

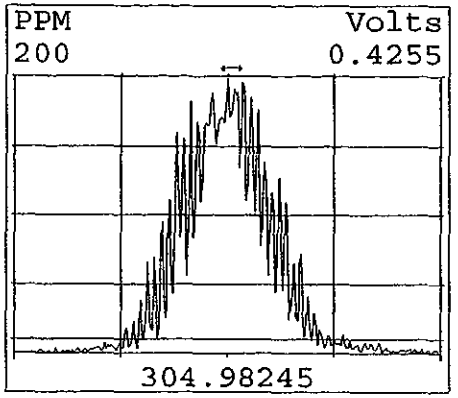
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	214081112	0.80 y	17:27	-	100.00	-	n
13C-2,3,7,8-TCDF	326632032	0.79 y	16:57	1.53	100.00	-2.6	n
2,3,7,8-TCDF	30097241	0.78 y	16:58	0.92	10.00	7.2	n
Total TCDF	30505573	0.93 n	16:37	0.92	10.00	7.2	n
13C-2,3,7,8-TCDD	205656496	0.81 y	17:39	0.96	100.00	-3.3	n
2,3,7,8-TCDD	18923872	0.76 y	17:41	0.92	10.00	-1.5	n
Total TCDD	19059868	2.02 n	14:18	0.92	10.00	-1.5	n
37Cl-2,3,7,8-TCDD	45304796	1.00 y	17:41	2.12	10.00	-4.6	n
13C-1,2,3,7,8-PeCDF	233248432	1.65 y	21:53	1.09	100.00	1.6	n
1,2,3,7,8-PeCDF	115968128	1.51 y	21:55	0.99	50.00	-0.6	n
2,3,4,7,8-PeCDF	118837340	1.54 y	23:13	1.02	50.00	8.6	n
Total F2 PeCDF	236089884	1.19 n	20:37	1.01	100.00	3.9	n
Total F1 PeCDF	156309	0.43 n	15:06	1.01	100.00	3.9	n
13C-1,2,3,7,8-PeCDD	148773176	1.71 y	23:55	0.69	100.00	4.3	n
1,2,3,7,8-PeCDD	75130534	1.62 y	23:56	1.01	50.00	8.7	n
Total PeCDD	75339179	2.30 n	23:38	1.01	50.00	8.7	n
13C-1,2,3,7,8,9-HxCDD	145034444	1.33 y	32:01	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	134256376	0.52 y	30:07	0.93	100.00	3.7	n
1,2,3,4,7,8-HxCDF	82206868	1.23 y	30:09	1.22	50.00	2.1	n
1,2,3,6,7,8-HxCDF	103175912	1.27 y	30:22	1.54	50.00	12.1	n
2,3,4,6,7,8-HxCDF	98309044	1.26 y	31:19	1.46	50.00	17.9	n
1,2,3,7,8,9-HxCDF	92968136	1.25 y	32:16	1.38	50.00	4.4	n
Total HxCDF	376659960	1.23 y	30:09	1.40	200.00	9.2	n
13C-1,2,3,6,7,8-HxCDD	126415484	1.34 y	31:39	0.87	100.00	19.1	n
1,2,3,4,7,8-HxCDD	60601616	1.26 y	31:33	0.96	50.00	-1.2	n
1,2,3,6,7,8-HxCDD	77811748	1.29 y	31:40	1.23	50.00	16.3	n
1,2,3,7,8,9-HxCDD	78863040	1.29 y	32:02	1.25	50.00	-2.2	n
Total HxCDD	217375995	1.26 y	31:33	1.15	150.00	4.1	n
13C-1,2,3,4,6,7,8-HpCDF	143504156	0.43 y	33:52	0.99	100.00	15.0	n
1,2,3,4,6,7,8-HpCDF	95239184	1.04 y	33:53	1.33	50.00	3.2	n
1,2,3,4,7,8,9-HpCDF	75521444	1.02 y	35:06	1.05	50.00	-7.3	n
Total HpCDF	170985355	1.04 y	33:53	1.19	100.00	-1.7	n
13C-1,2,3,4,6,7,8-HpCDD	118886924	1.07 y	34:45	0.82	100.00	9.0	n
1,2,3,4,6,7,8-HpCDD	62949794	1.07 y	34:46	1.06	50.00	6.1	n
Total HpCDD	63165311	0.91 y	34:09	1.06	50.00	6.1	n
13C-OCDD	142755384	0.90 y	37:22	0.49	200.00	-12.8	n
OCDF	110844116	0.89 y	37:29	1.55	100.00	8.0	n
OCDD	85909308	0.89 y	37:23	1.20	100.00	8.5	n

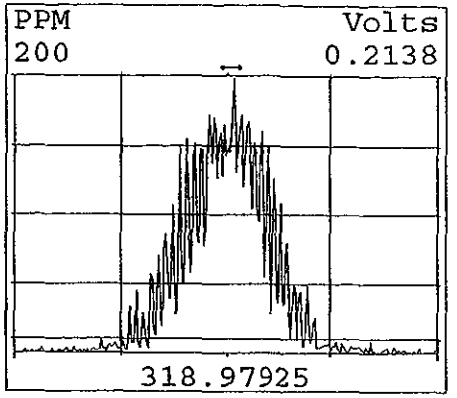
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
26AP10A1D5	1	ST0426A	CS3 10DXN111				1.00000	
26AP10A1D5	2	ST0426B	CS3 10DXN111				1.00000	
26AP10A1D5	3	CP0426A	DB-5 CPSM 3732-05				1.00000	
26AP10A1D5	4	SB0426C	Solvent Blank C-14				1.00000	
26AP10A1D5	5	LX85A-1-AA	G0D200000-455B	10	8290/SOLID	77	10.00000	g
26AP10A1D5	6	LX85A-1-AC	G0D200000-455C	10	8290/SOLID		10.00000	g
26AP10A1D5	7	LX6LV-1-AC	G0D080425-50	10	8290/SOLID		10.17000	g
26AP10A1D5	8	L0CN2-1-AC	G0D220000-236C	10	8290/SOLID	79	10.00000	g
26AP10A1D5	9	L0CN2-1-AA	G0D220000-236B	10	8290/SOLID		10.00000	g
26AP10A1D5	10	LXR9N-2-AD	G0D100462-10RX	10	8290/SOLID		10.51000	g
26AP10A1D5	11	LX2NN-1-AC	G0D150000-361C (461-26)	10	8290/SOLID	73	10.00000	g
26AP10A1D5	12	LX2NN-1-AA	G0D150000-361B (461-26)	10	8290/SOLID		10.00000	g
26AP10A1D5	13	SB0426D	Solvent Blank C-14				1.00000	
26AP10A1D5	14	ST0426C	CS3 10DXN111				1.00000	
26AP10A1D5	15						1.00000	
26AP10A1D5	16						1.00000	
26AP10A1D5	17						1.00000	
26AP10A1D5	18						1.00000	
26AP10A1D5	19						1.00000	
26AP10A1D5	20						1.00000	
26AP10A1D5	21		AM 04-26-10				1.00000	
26AP10A1D5	22						1.00000	

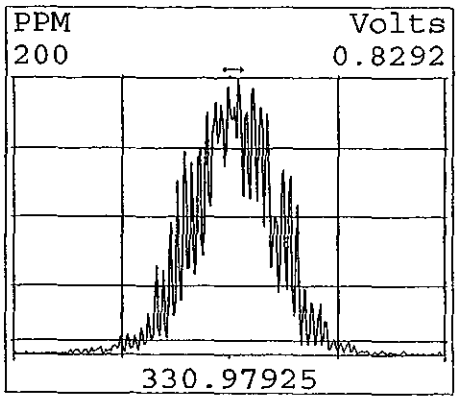
Logfile checked
04-27-10
SMA

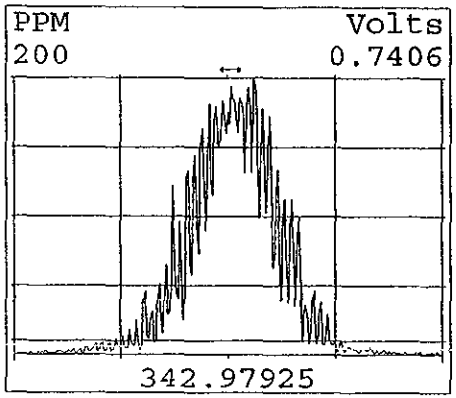
Peak Locate Examination:26-APR-2010:18:35 File:26AP10A1D5
Experiment:DIOXIN Function:1 Reference:PFK

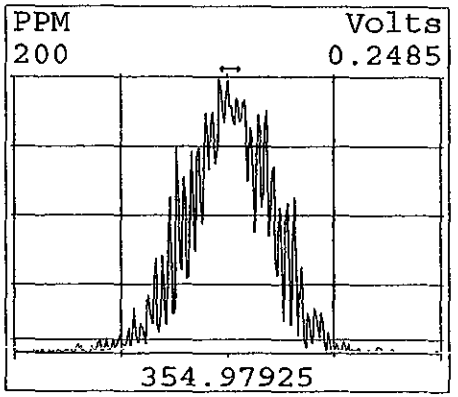


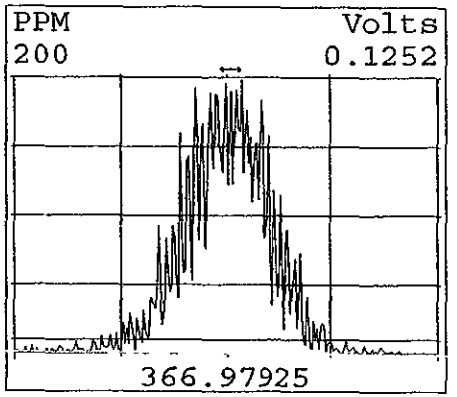


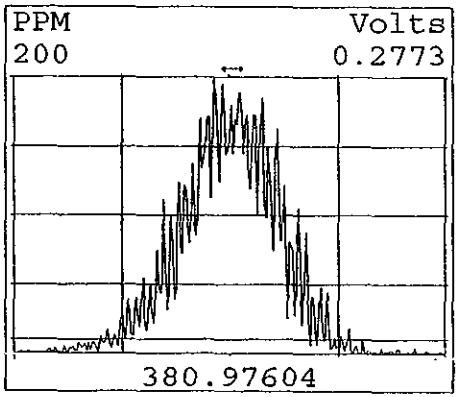


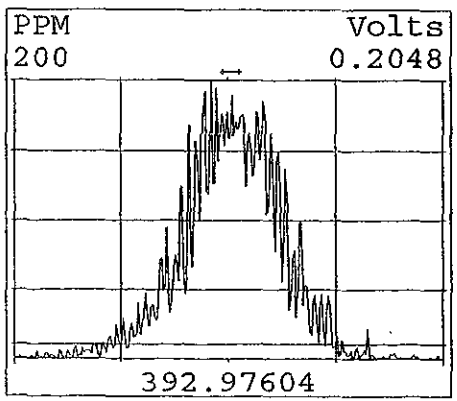


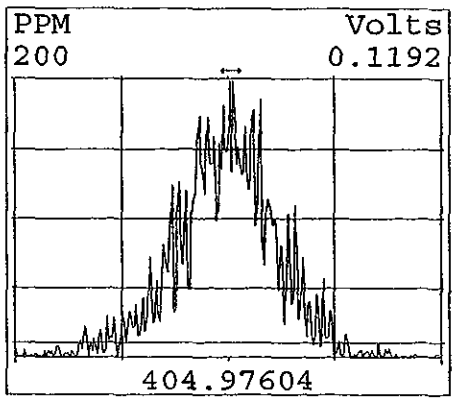


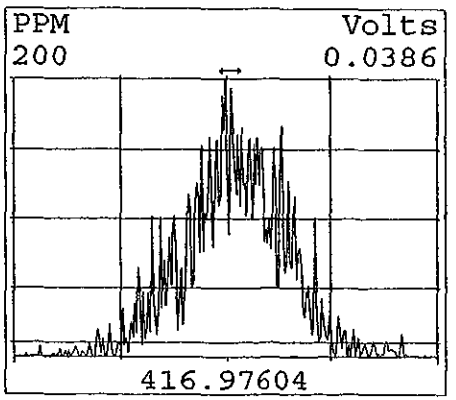




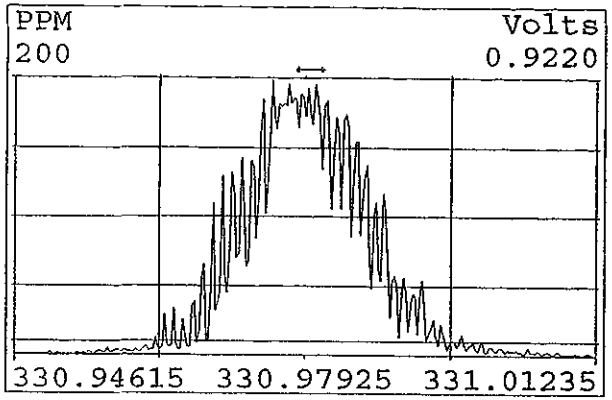


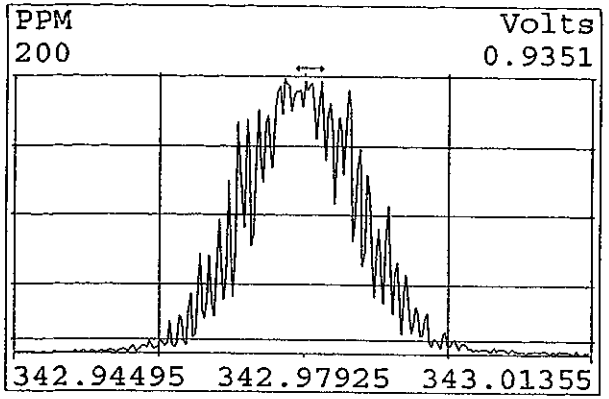


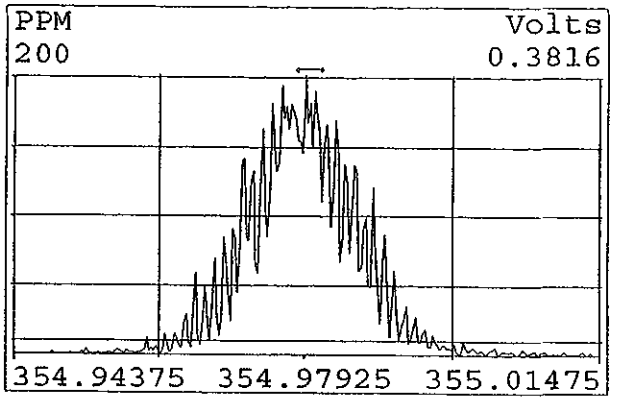


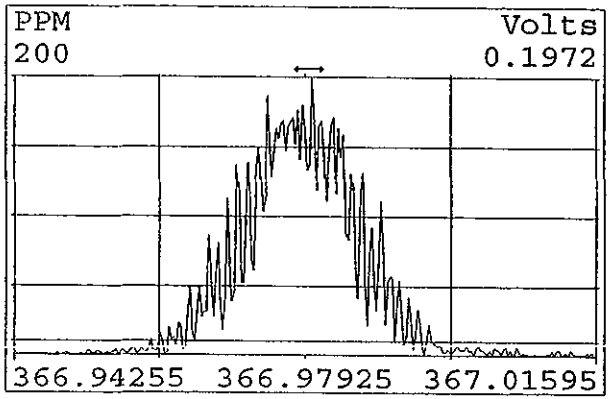


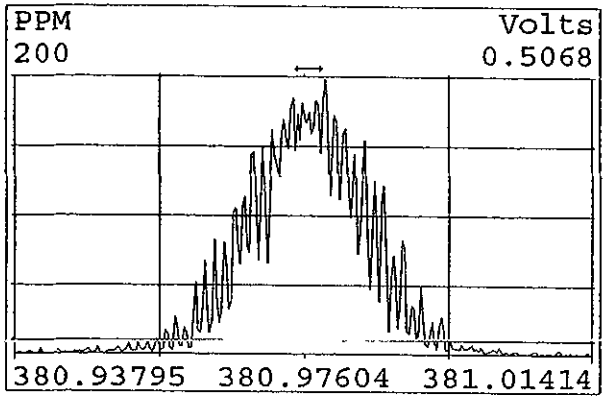
Peak Locate Examination:26-APR-2010:18:36 File:26AP10A1D5
Experiment:DIOXIN Function:2 Reference:PFK

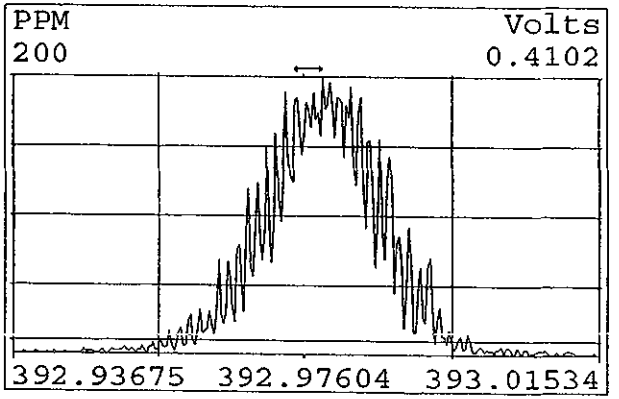


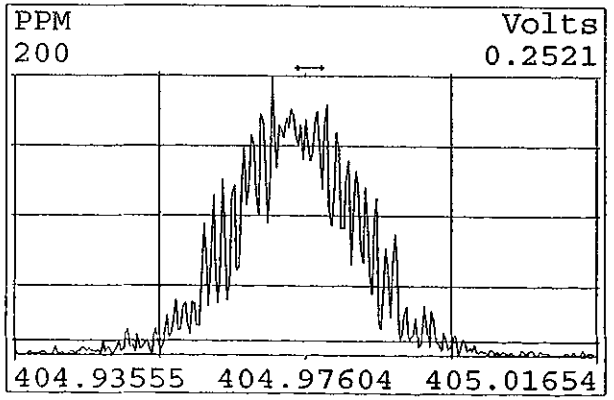


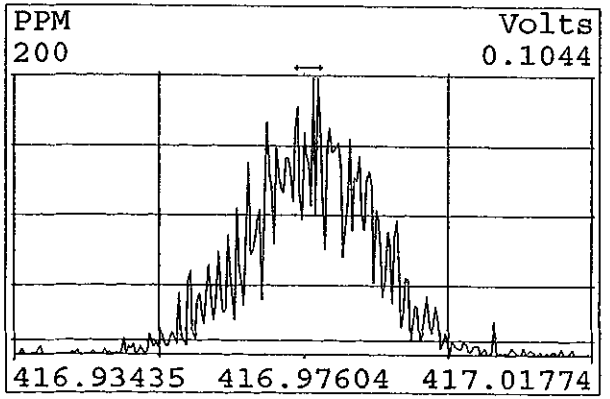




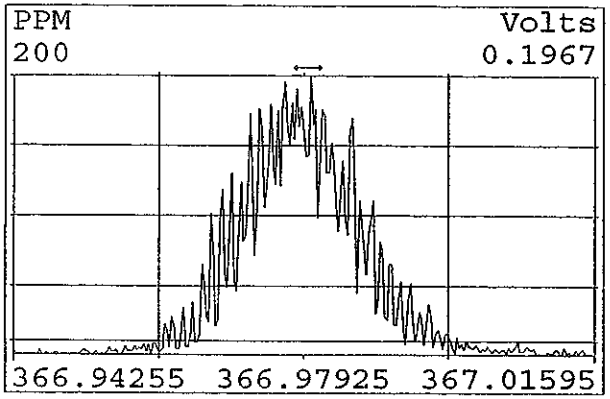


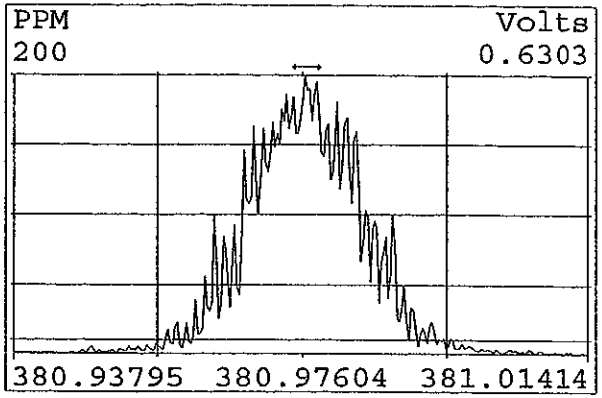


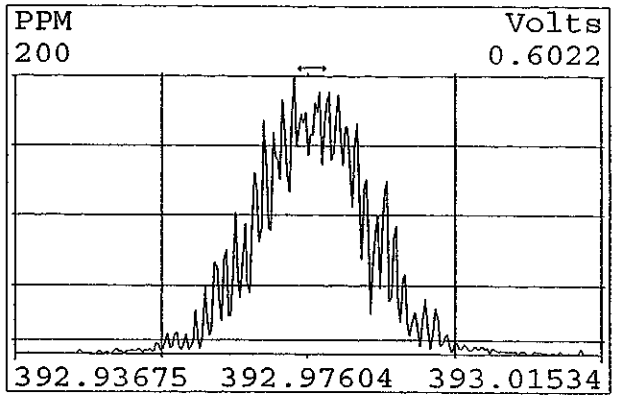


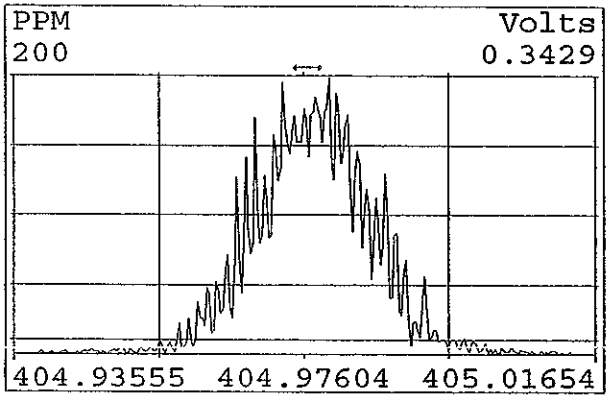


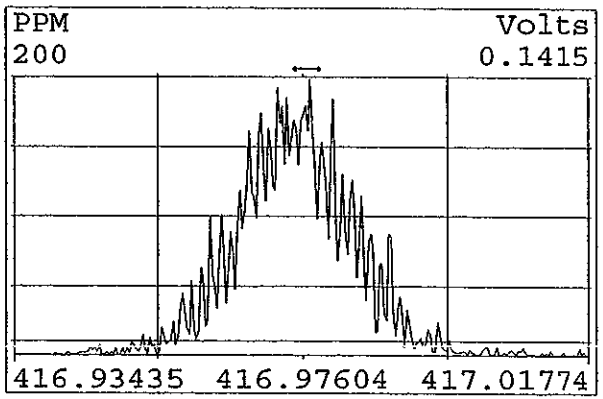
Peak Locate Examination:26-APR-2010:18:38 File:26AP10A1D5
Experiment:DIOXIN Function:3 Reference:PFK

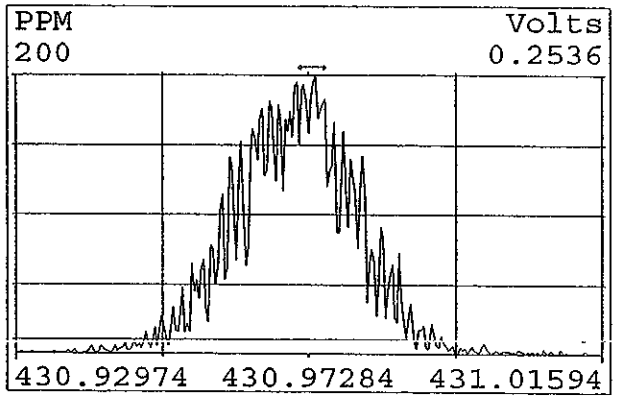


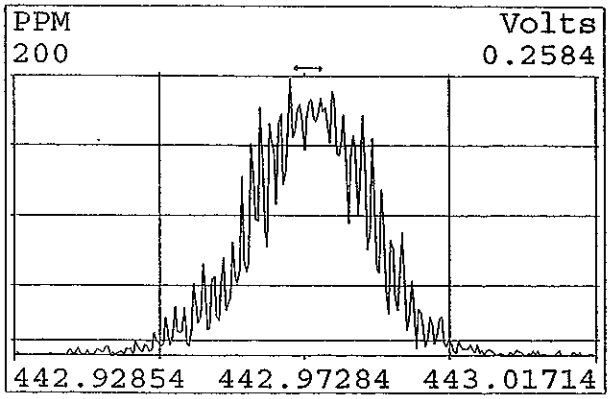


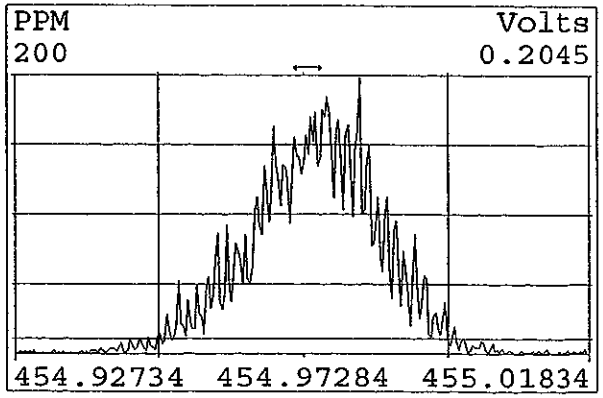




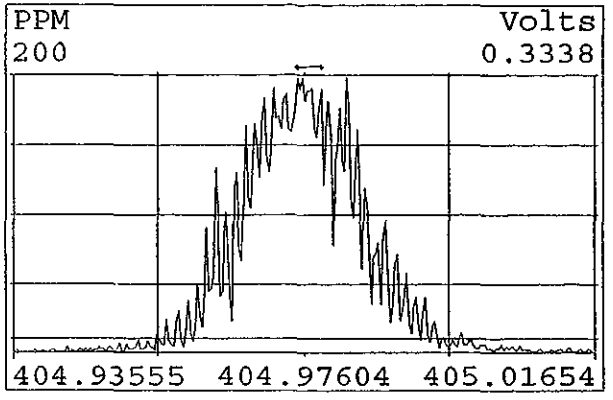


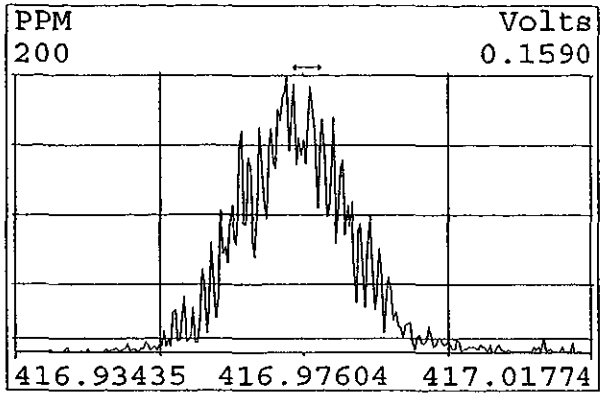


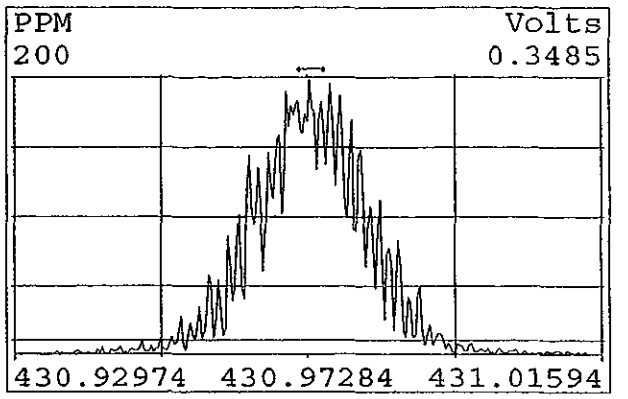


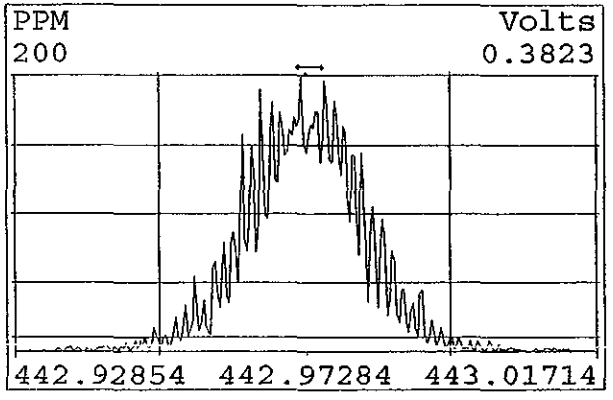


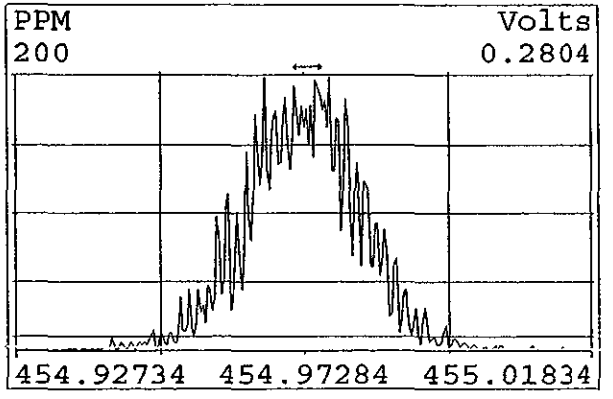
Peak Locate Examination:26-APR-2010:18:41 File:26AP10A1D5
Experiment:DIOXIN Function:4 Reference:PFK

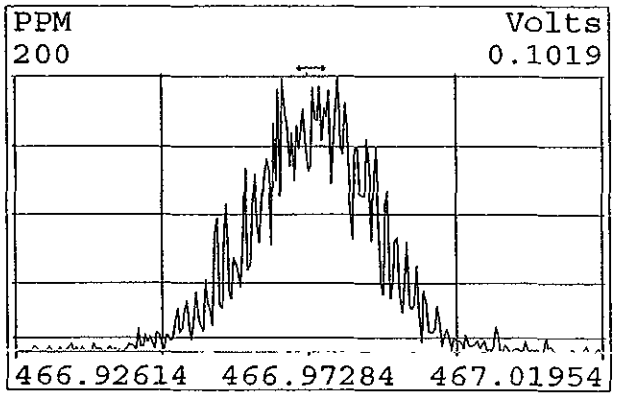


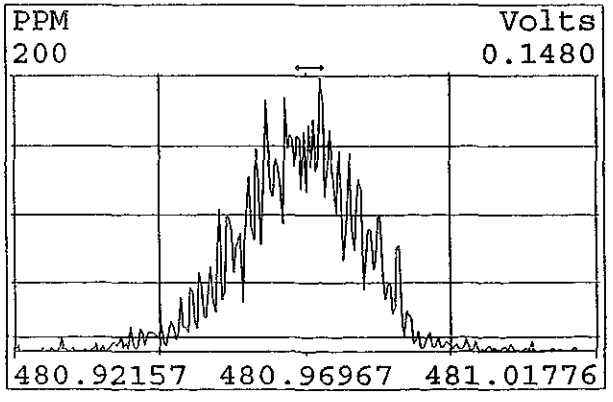




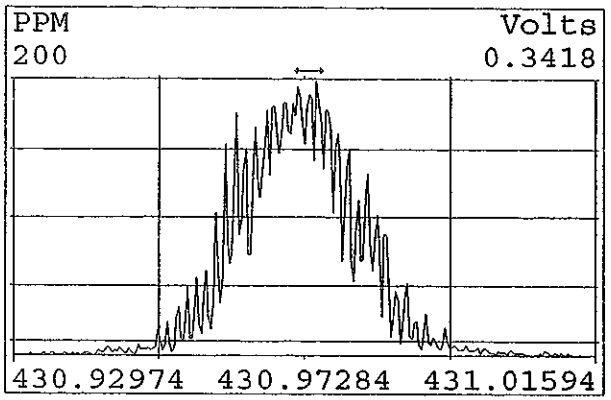


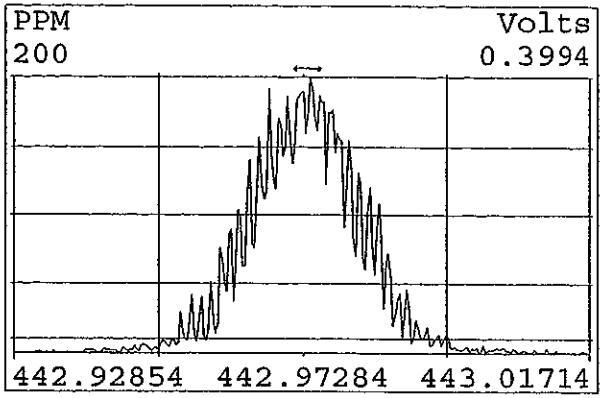


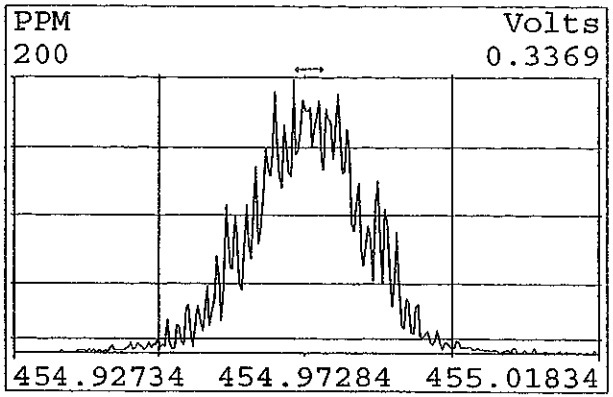


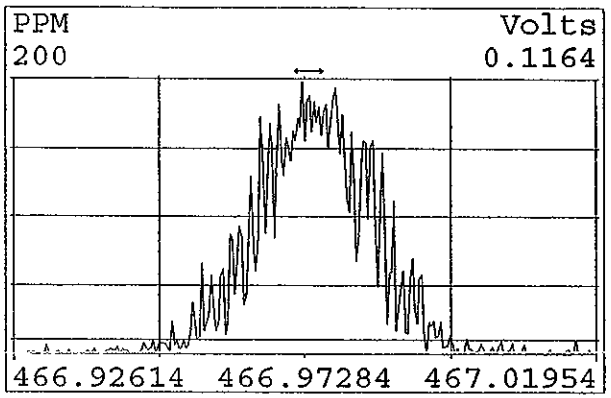


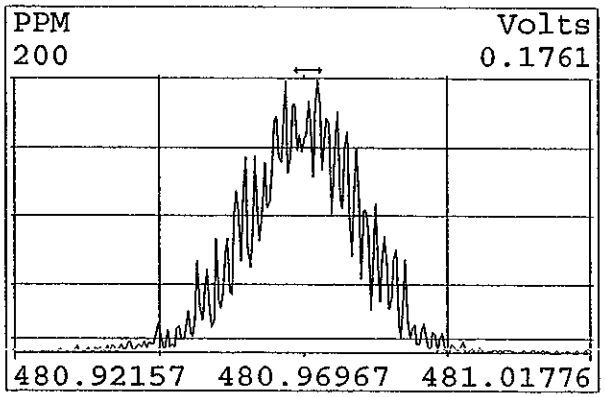
Peak Locate Examination:26-APR-2010:18:43 File:26AP10A1D5
Experiment:DIOXIN Function:5 Reference:PFK

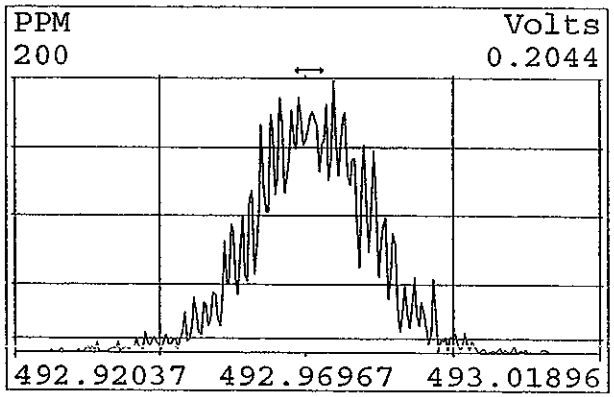


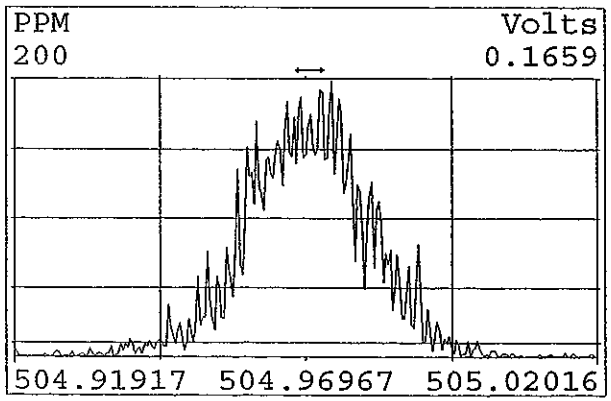


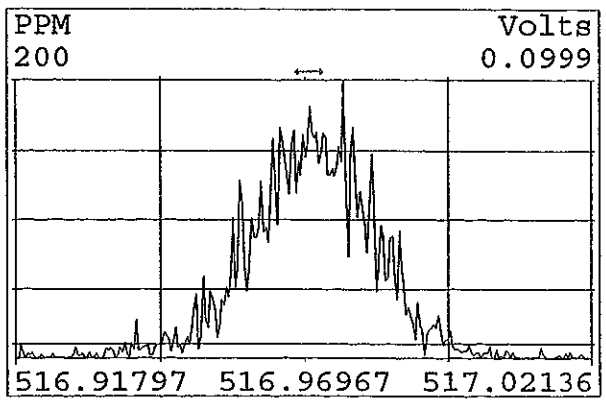




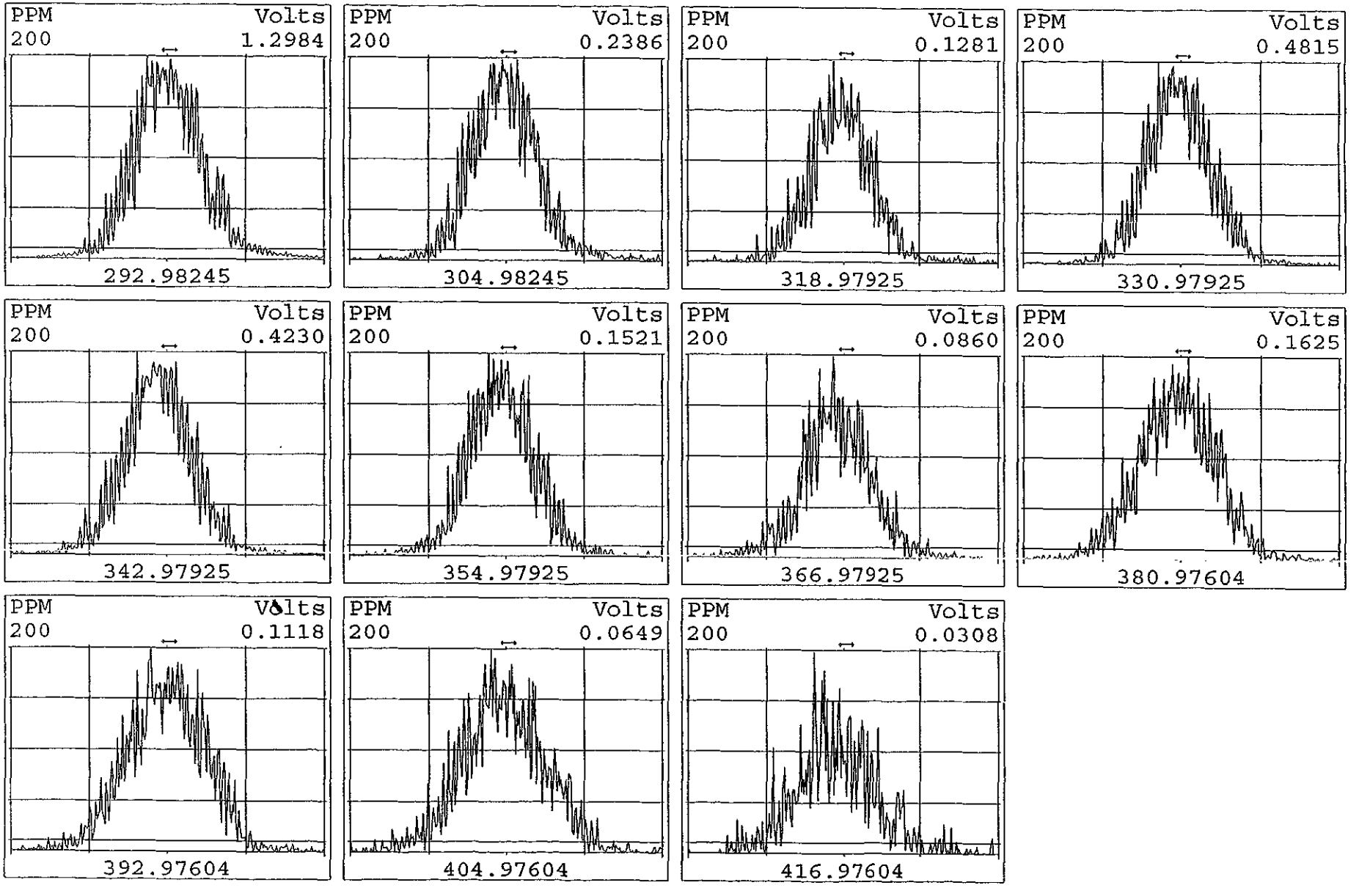




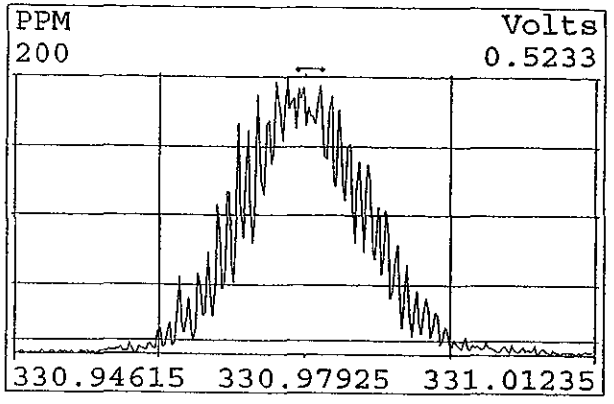


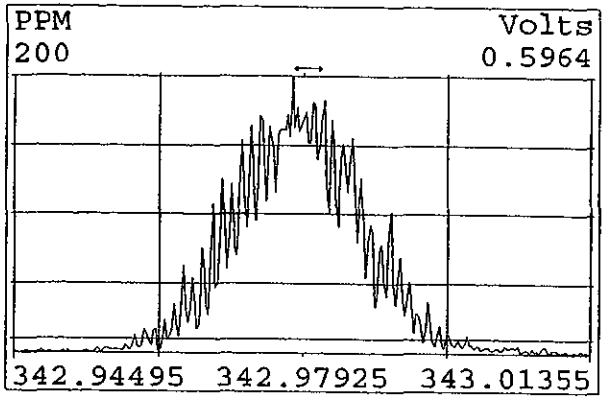


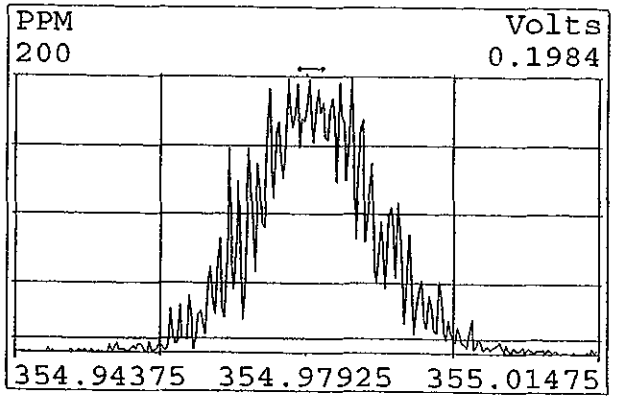
Peak Locate Examination:27-APR-2010:06:06 File:RESCHECK1D5
Experiment:DIOXIN Function:1 Reference:PFK

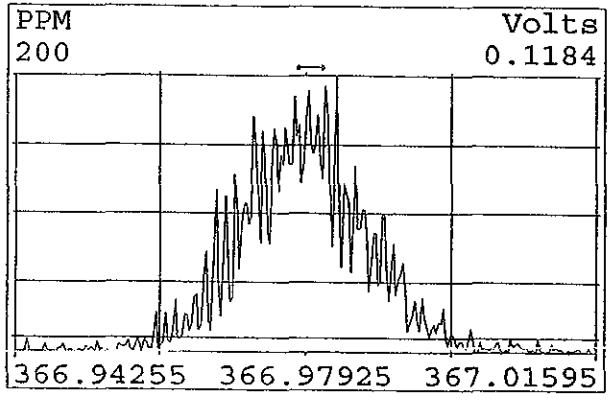


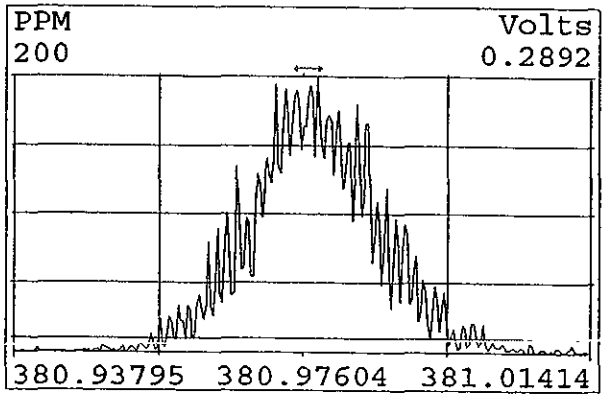
Peak Locate Examination:27-APR-2010:06:07 File:RESCHECK1D5
Experiment:DIOXIN Function:2 Reference:PFK

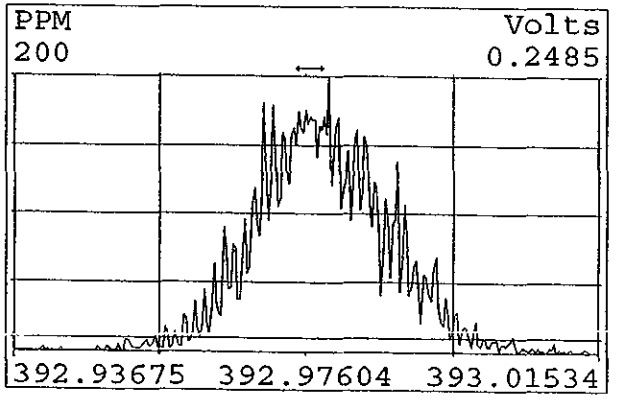


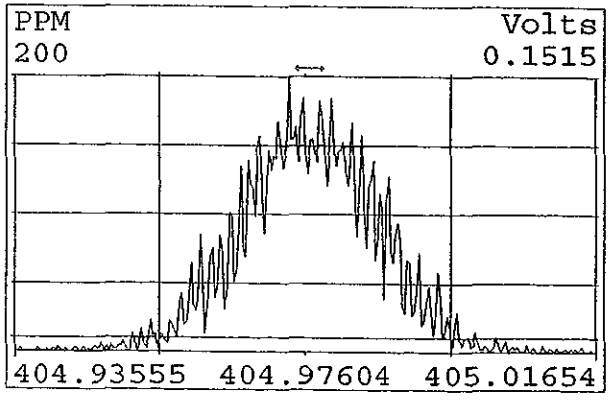


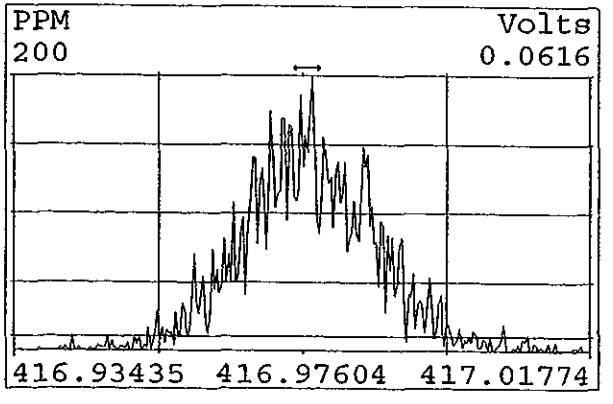




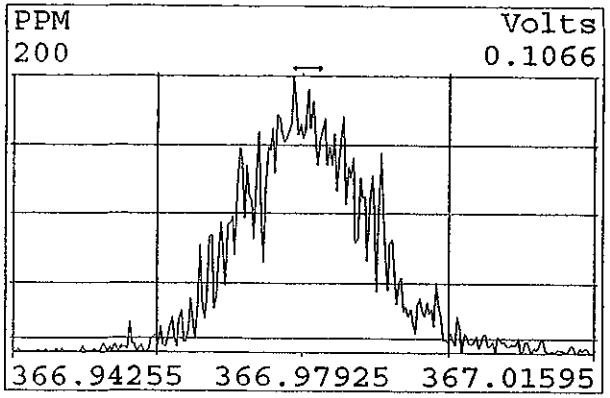


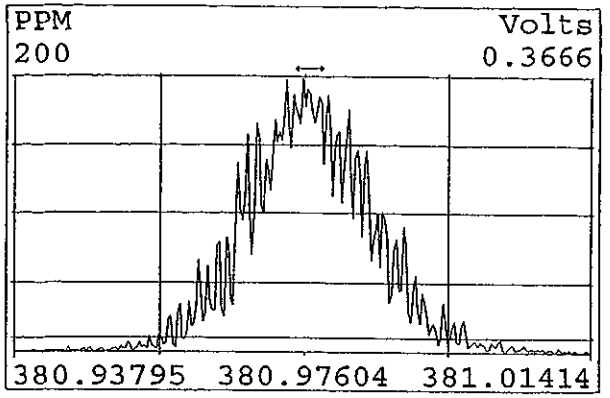


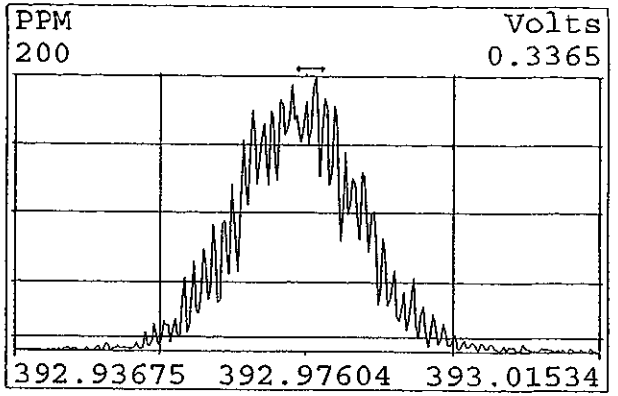


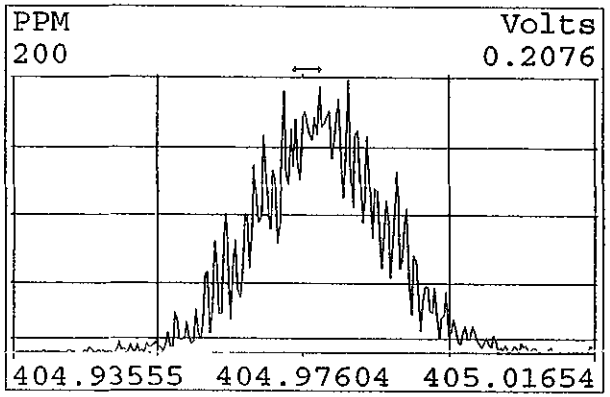


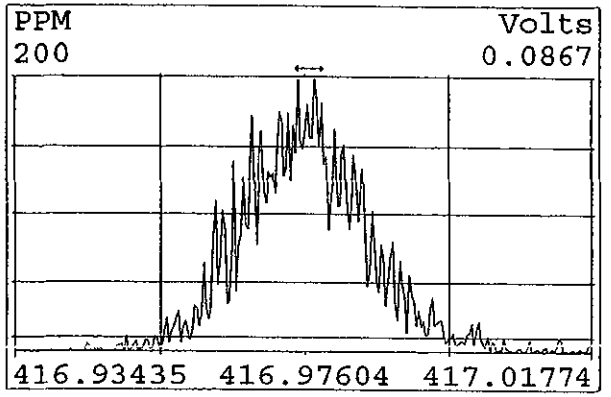
Peak Locate Examination:27-APR-2010:06:08 File:RESCHECK1D5
Experiment:DIOXIN Function:3 Reference:PFK

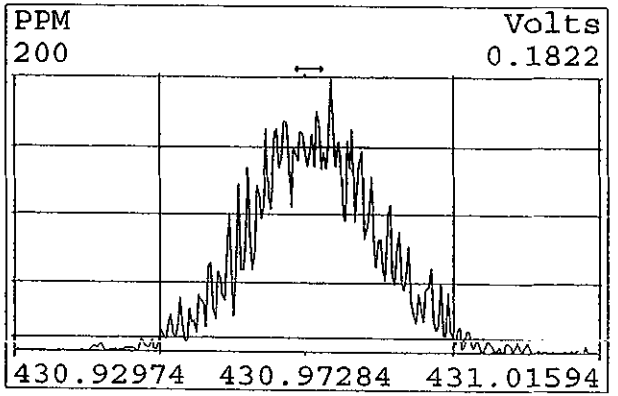


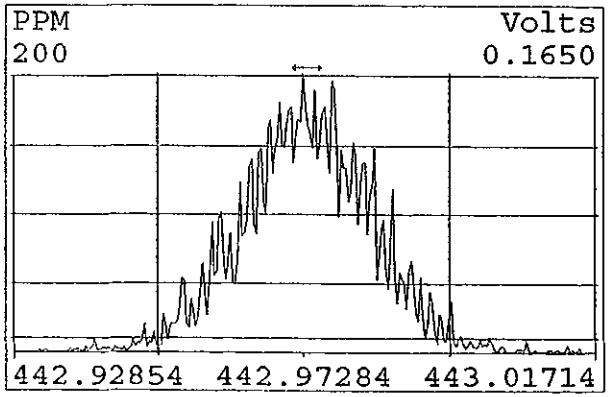


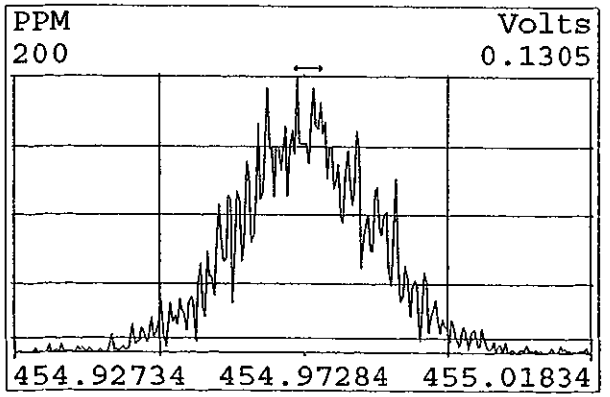




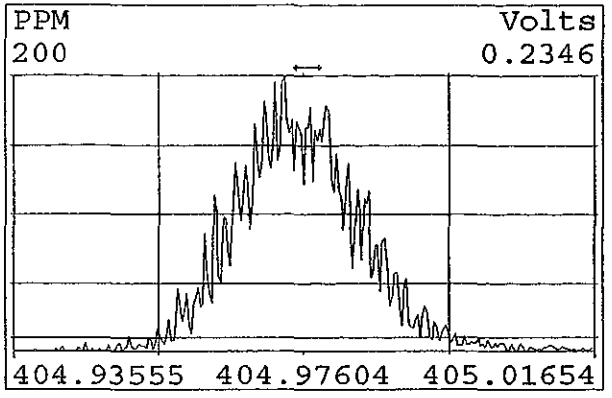


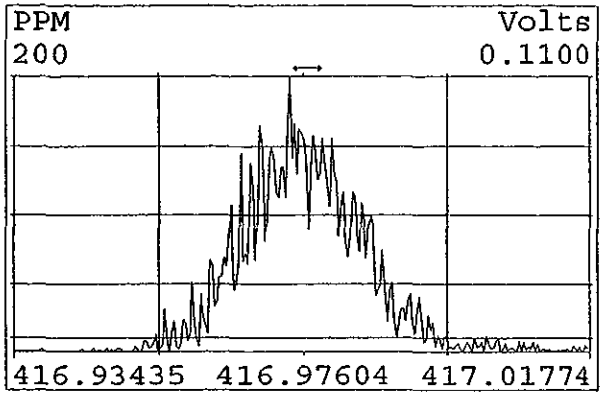


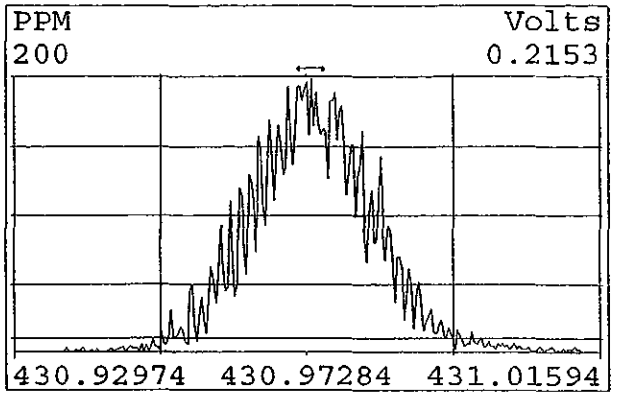


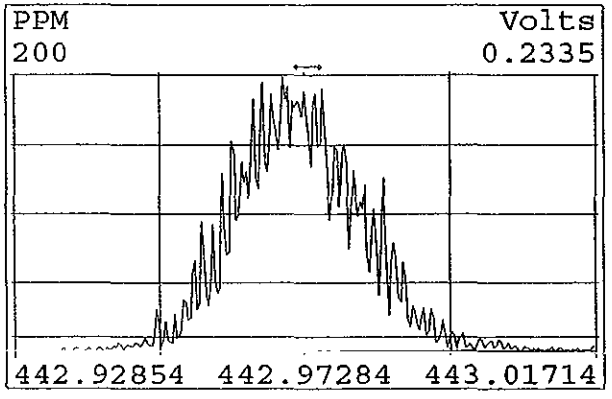


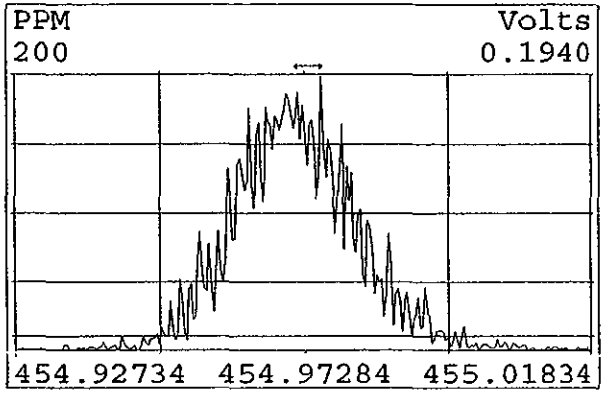
Peak Locate Examination:27-APR-2010:06:09 File:RESCHECK1D5
Experiment:DIOXIN Function:4 Reference:PFK

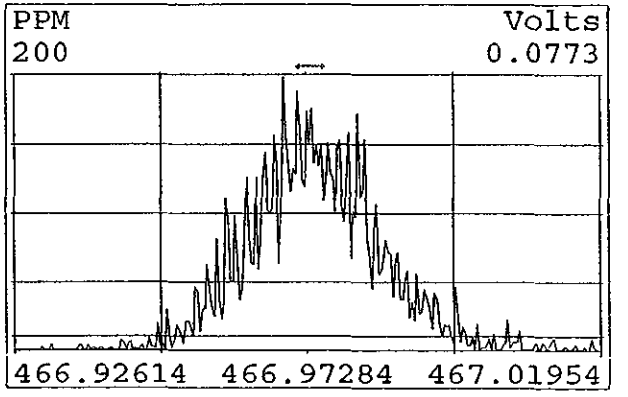


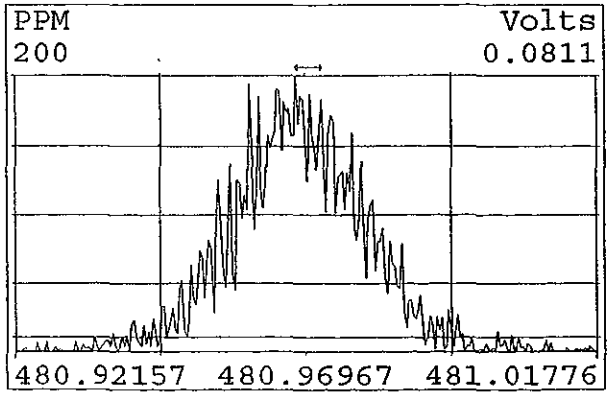




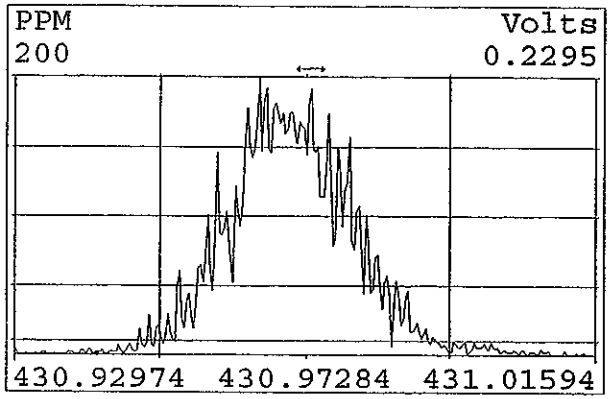


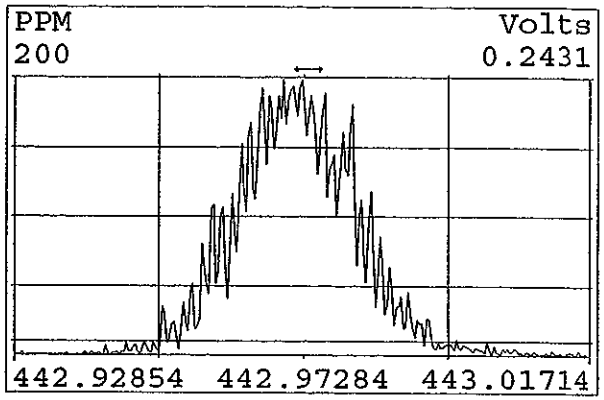


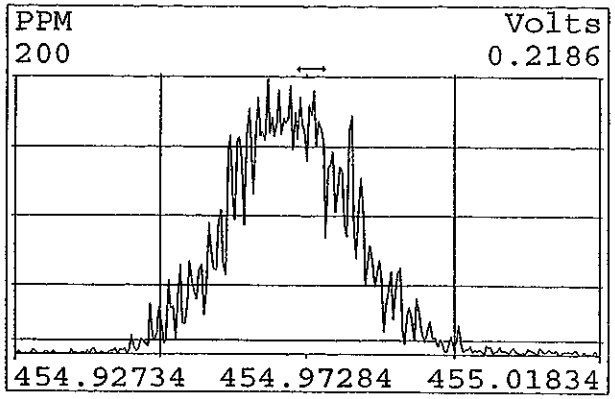


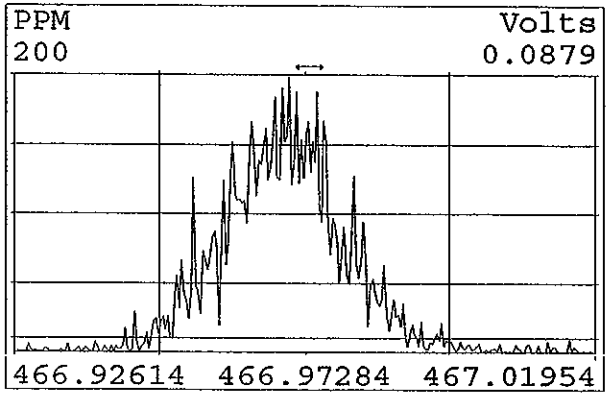


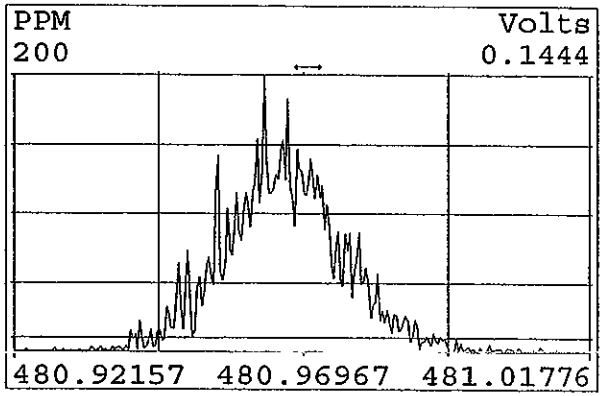
Peak Locate Examination:27-APR-2010:06:10 File:RESCHECK1D5
Experiment:DIOXIN Function:5 Reference:PFK

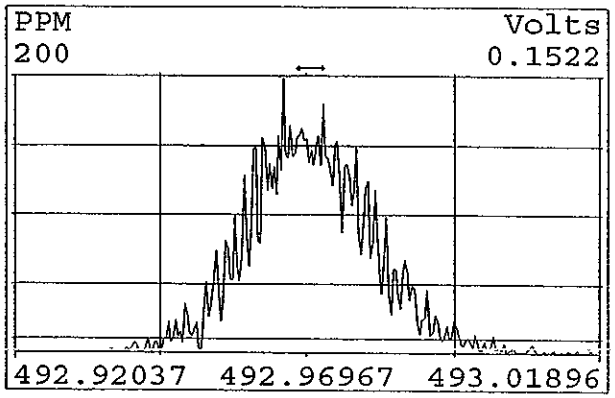


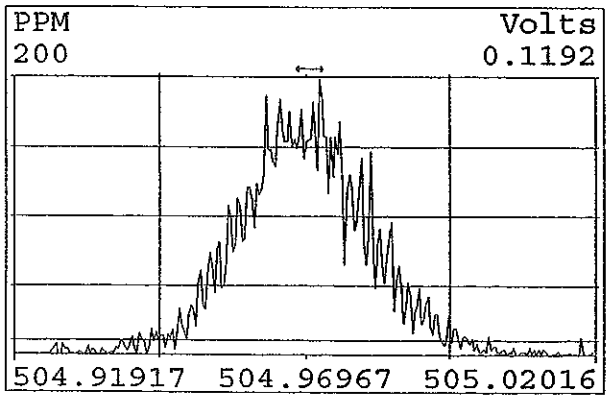


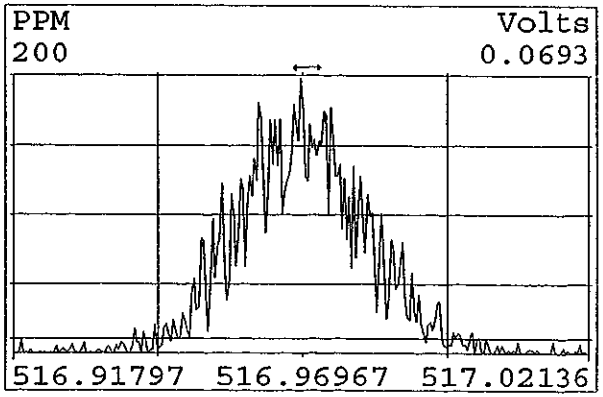




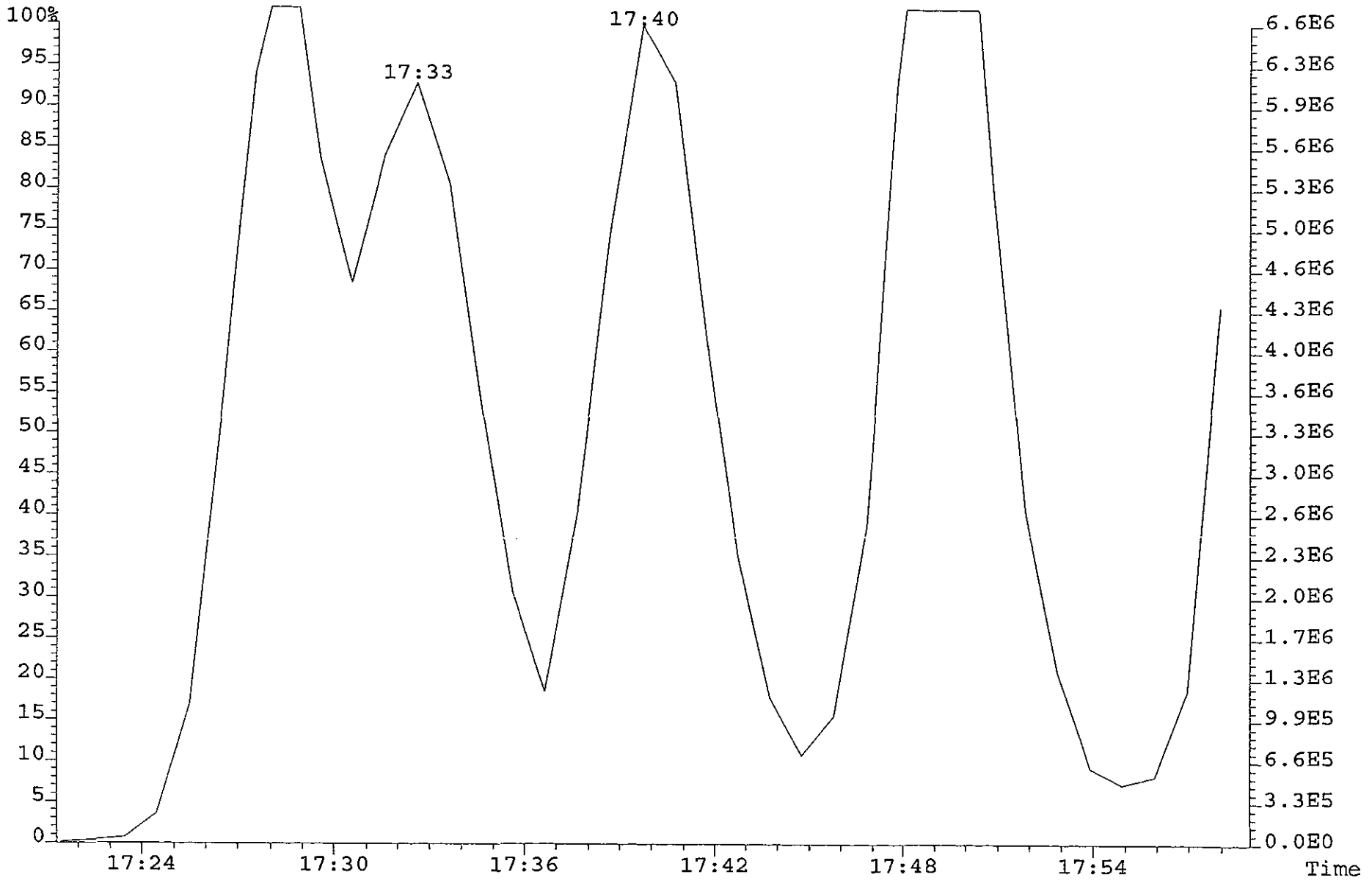








File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
321.8936 S:3



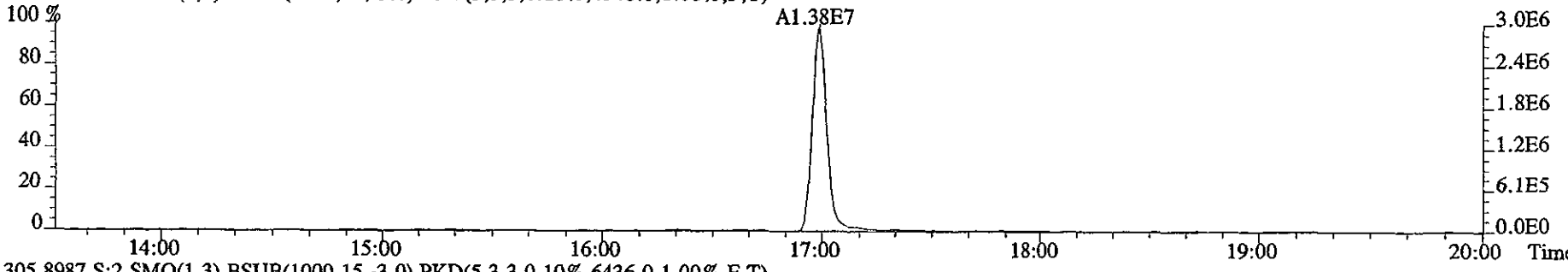
Run: 26AP10A1D5 Analyte: 8290 Cal: 82901231091D5

ST1231B :CS-1 09DXN422 ST1231C :CS-2 09DXN423 ST1231D :CS-3 09DXN425
ST1231E :CS-4 09DXN426 ST1231F :CS-5 09DXN456

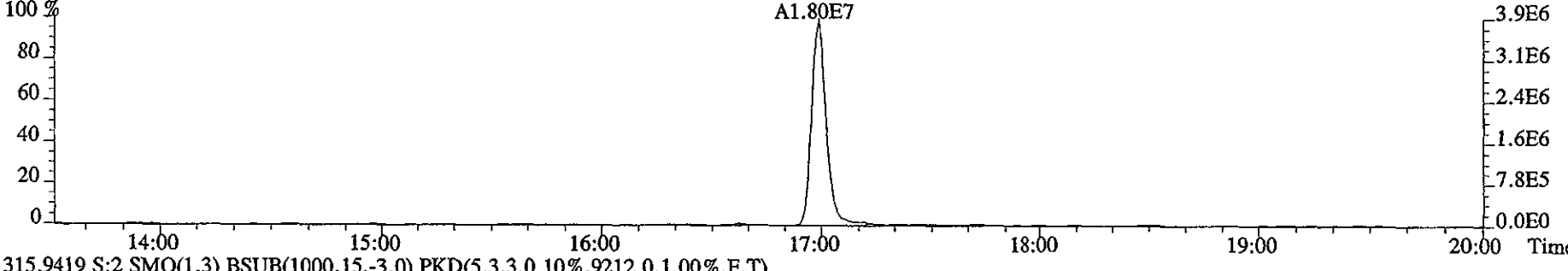
				31DE09A1D5	31DE09A1D5	31DE09A1D5	31DE09A1D5	31DE09A1D5
				S2	S3	S4	S5	S6
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3 %	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

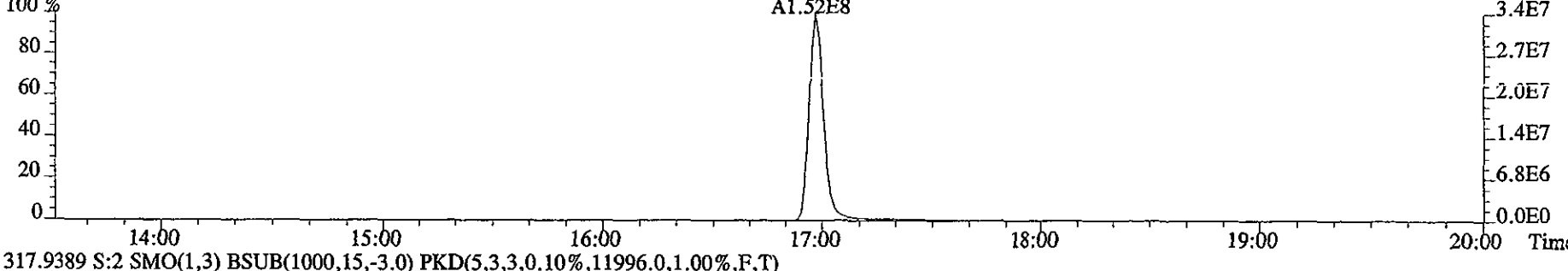
File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



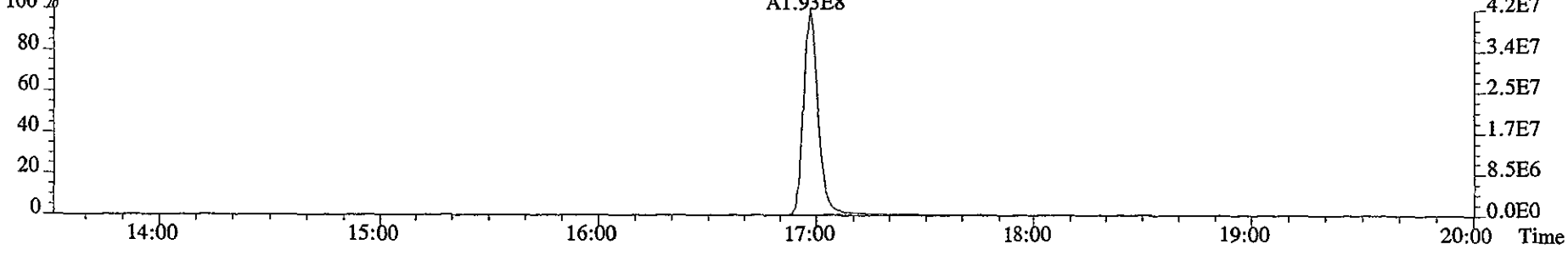
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6436.0,1.00%,F,T)



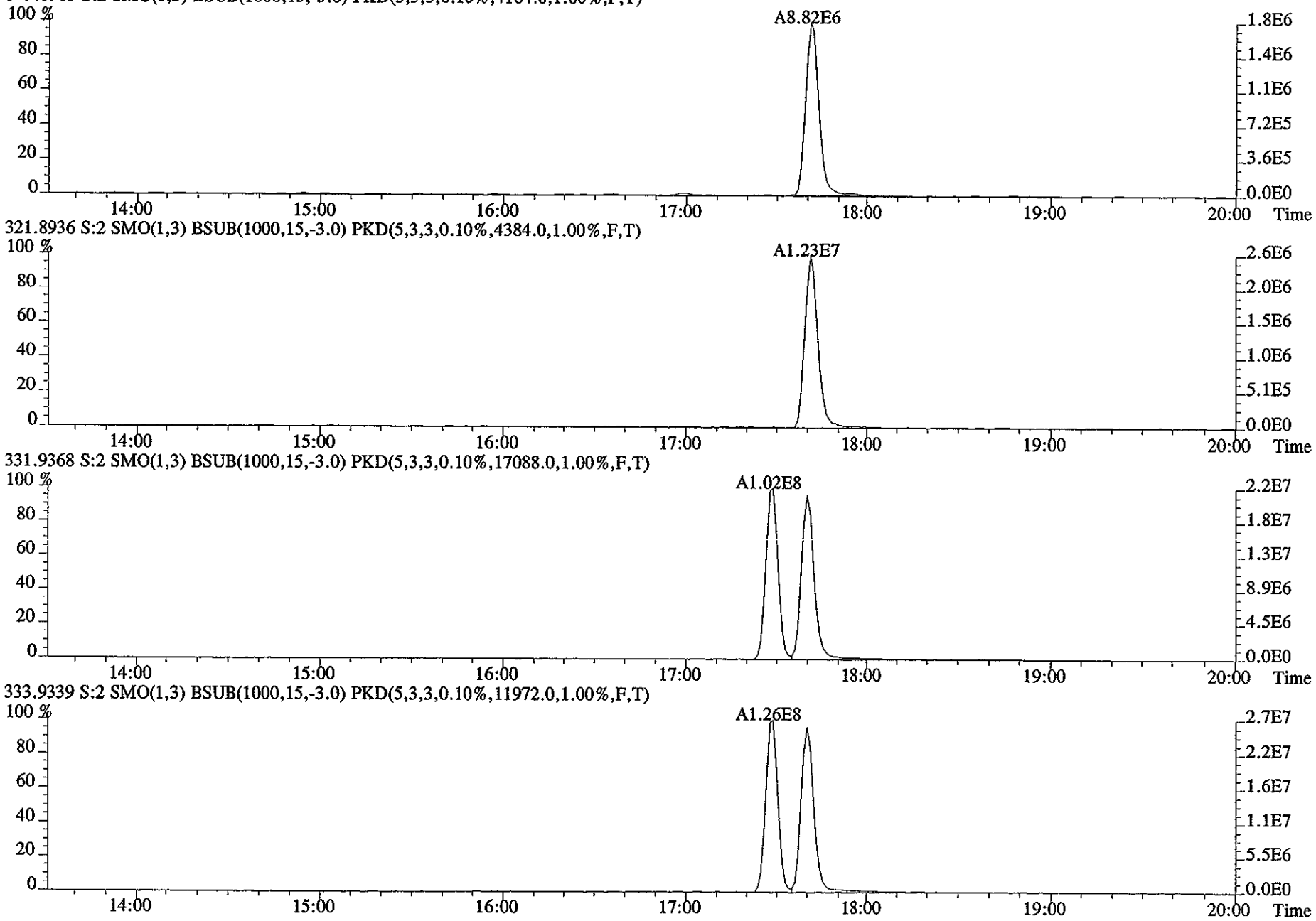
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9212.0,1.00%,F,T)



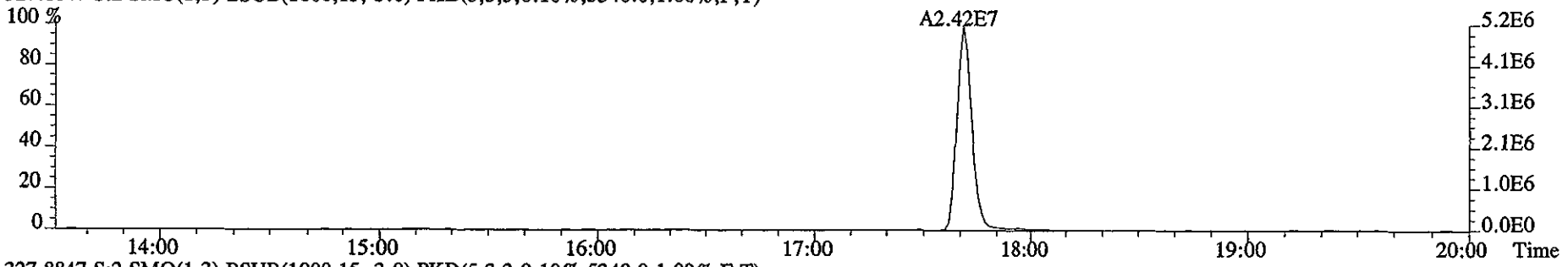
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11996.0,1.00%,F,T)



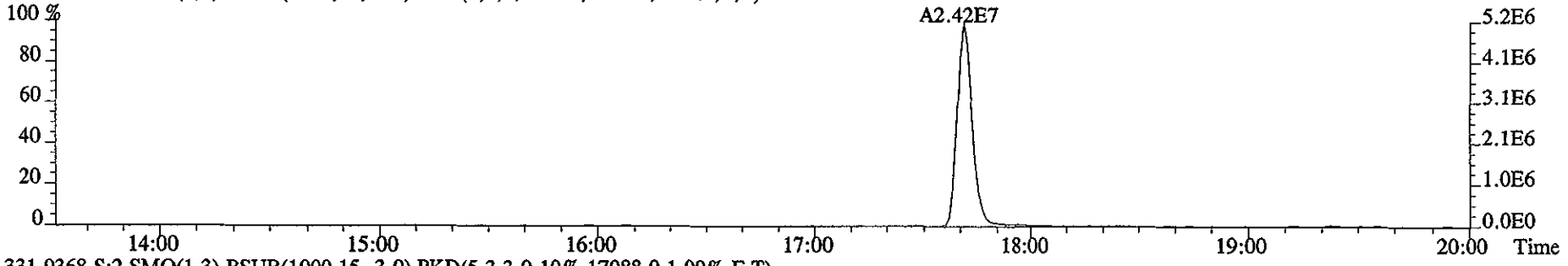
File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN



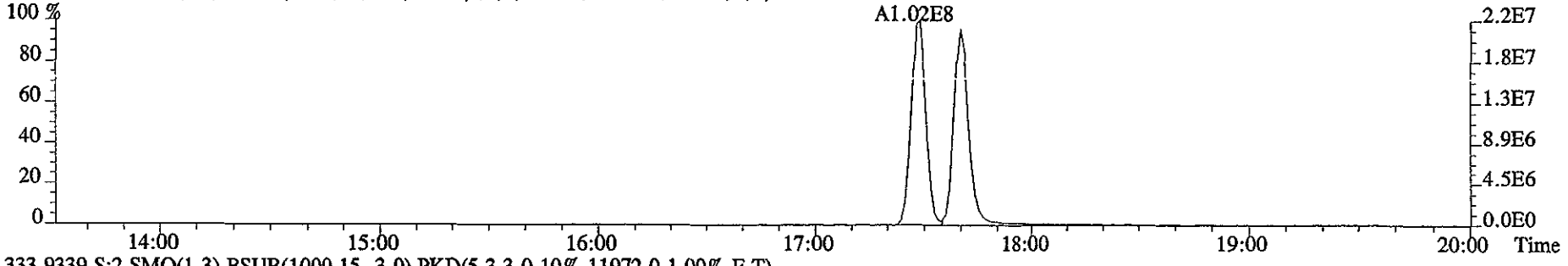
File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5340.0,1.00%,F,T)



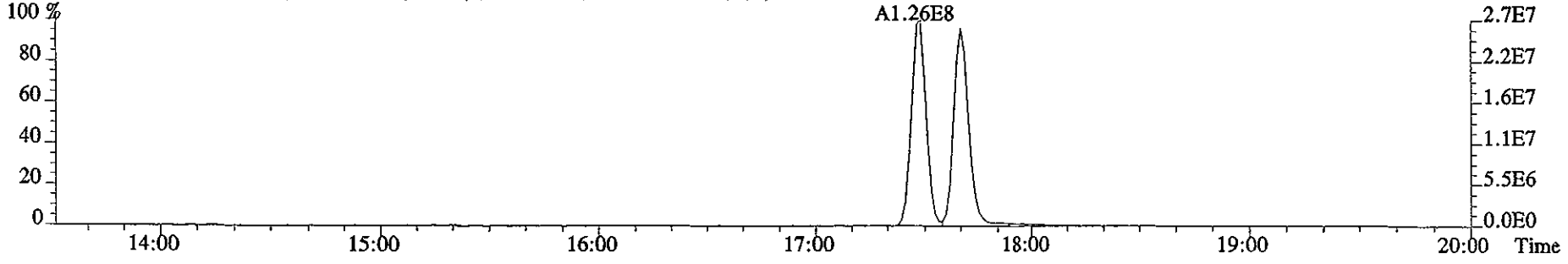
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5340.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17088.0,1.00%,F,T)

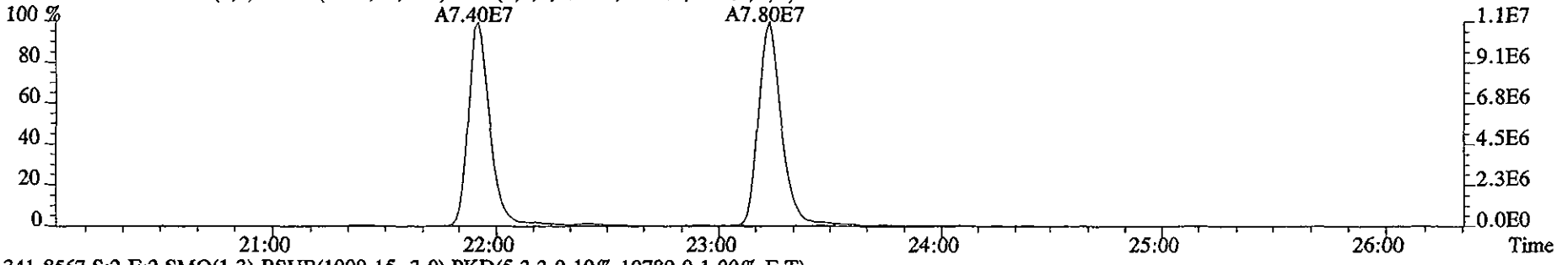


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11972.0,1.00%,F,T)

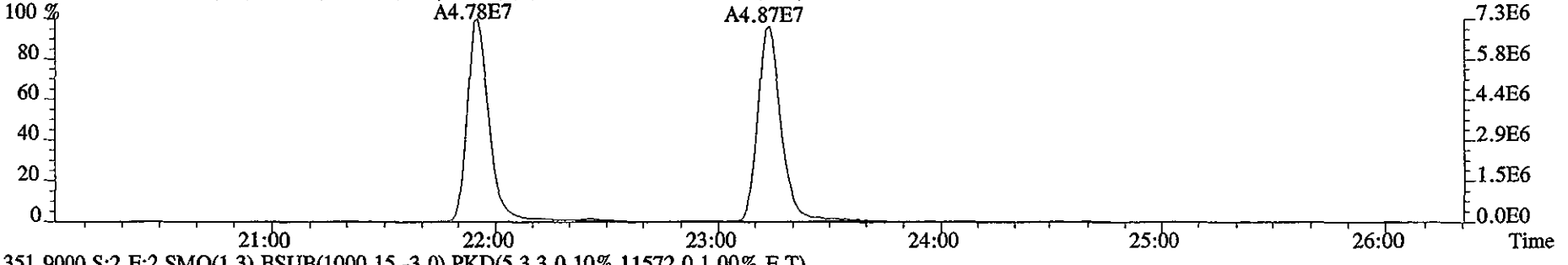


File:26AP10A1D5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

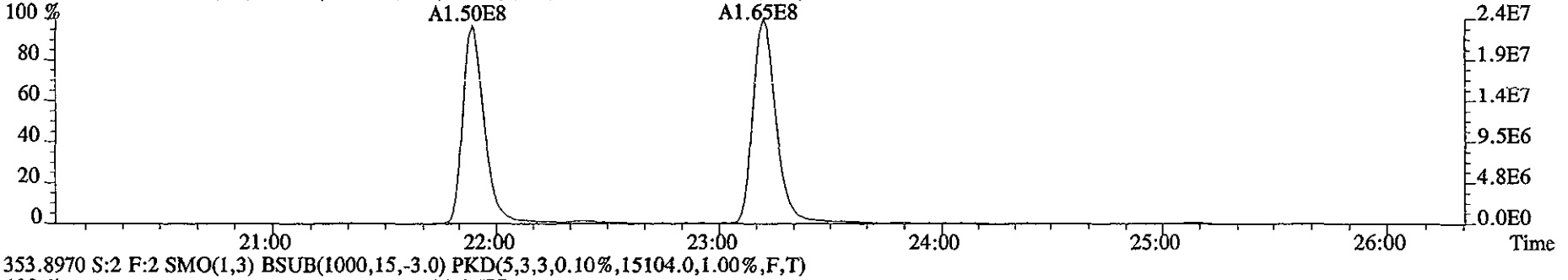
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



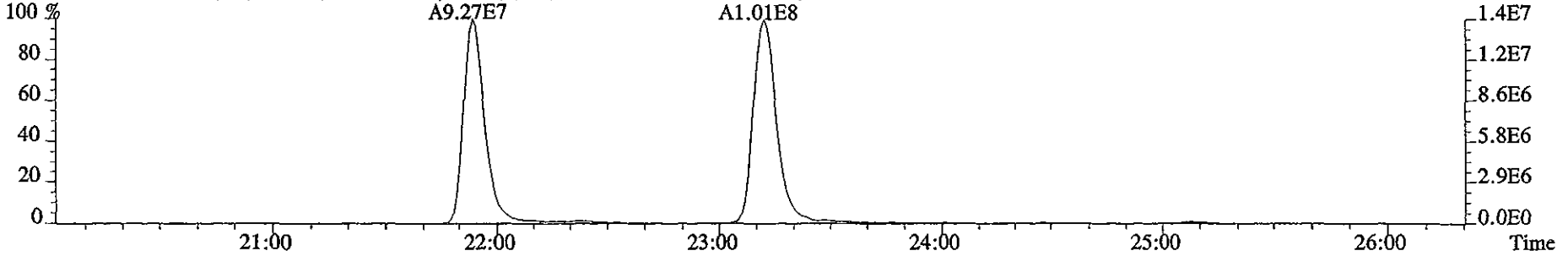
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10780.0,1.00%,F,T)

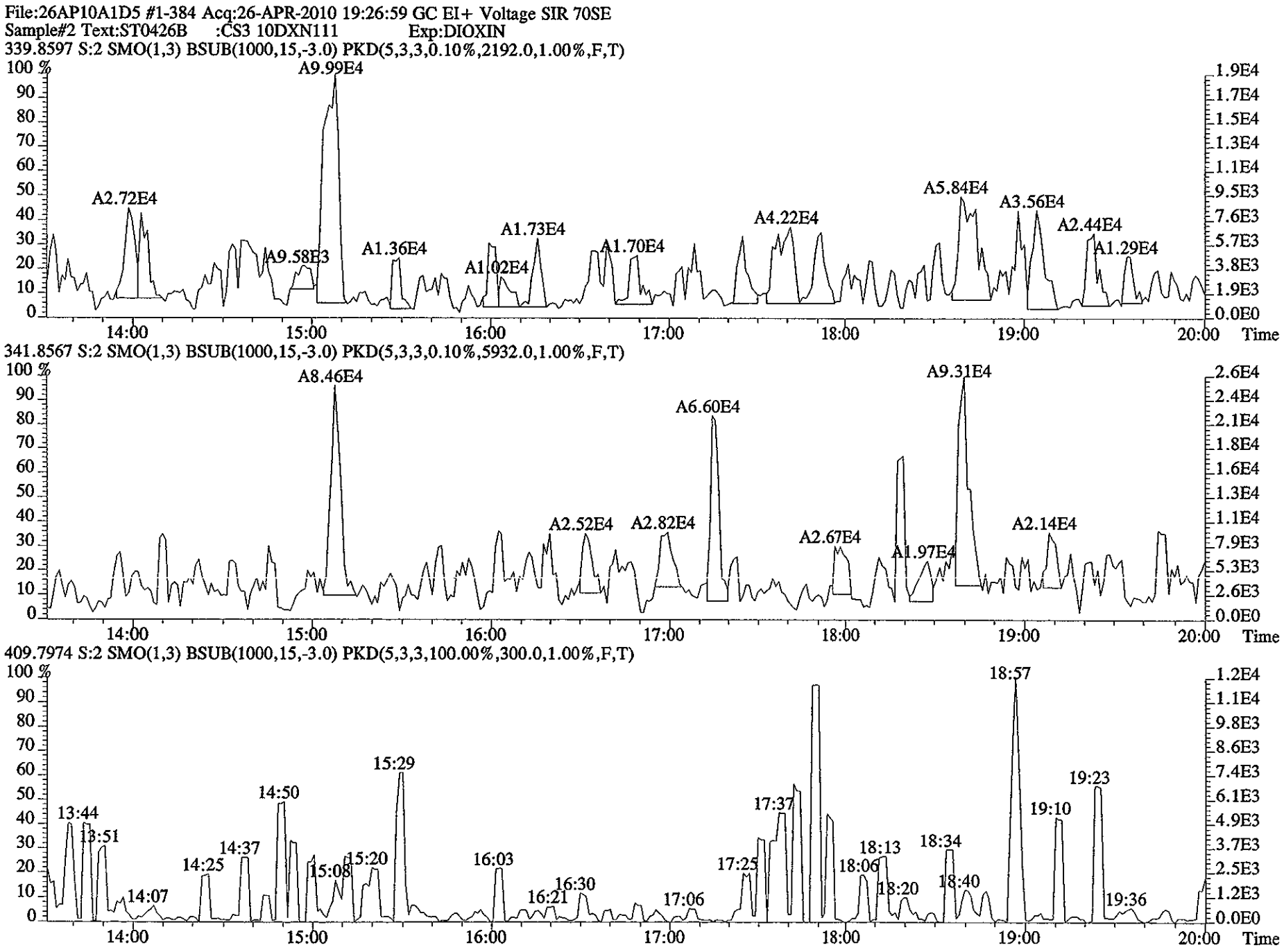


351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11572.0,1.00%,F,T)

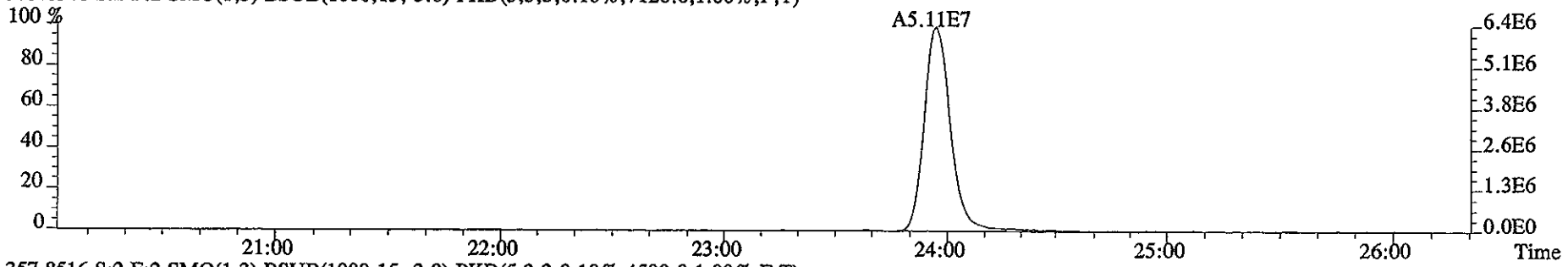


353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15104.0,1.00%,F,T)

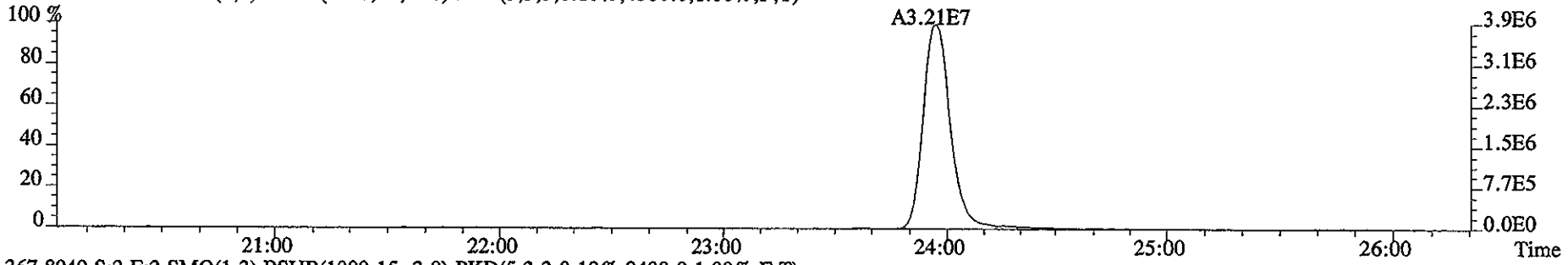




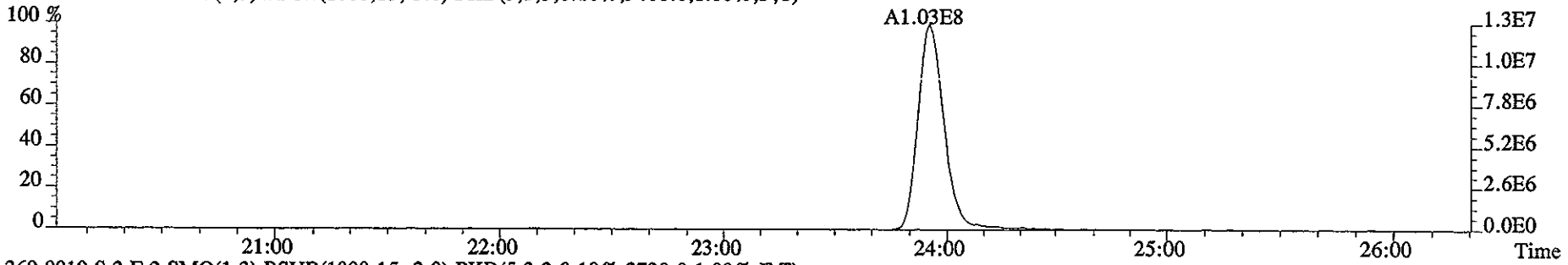
File:26AP10A1D5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7128.0,1.00%,F,T)



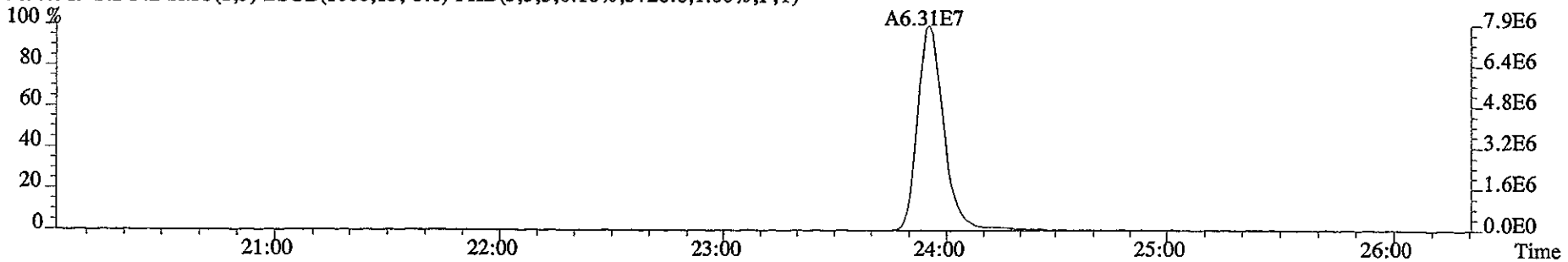
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4500.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9408.0,1.00%,F,T)

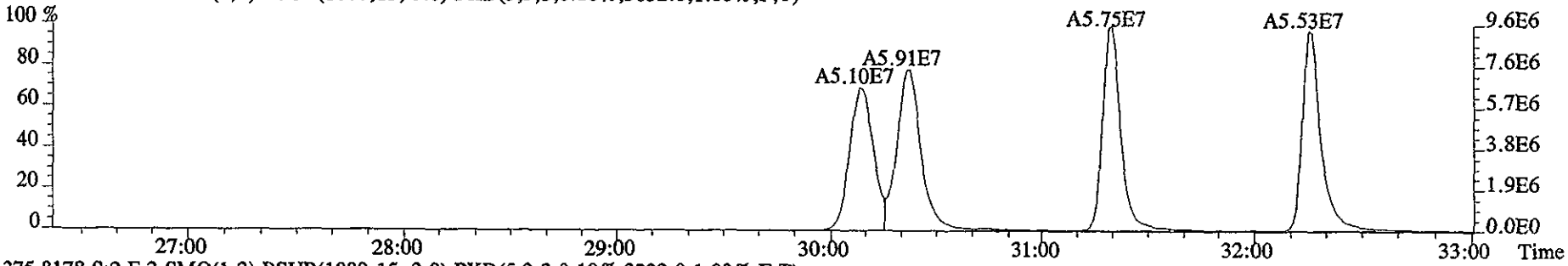


369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)

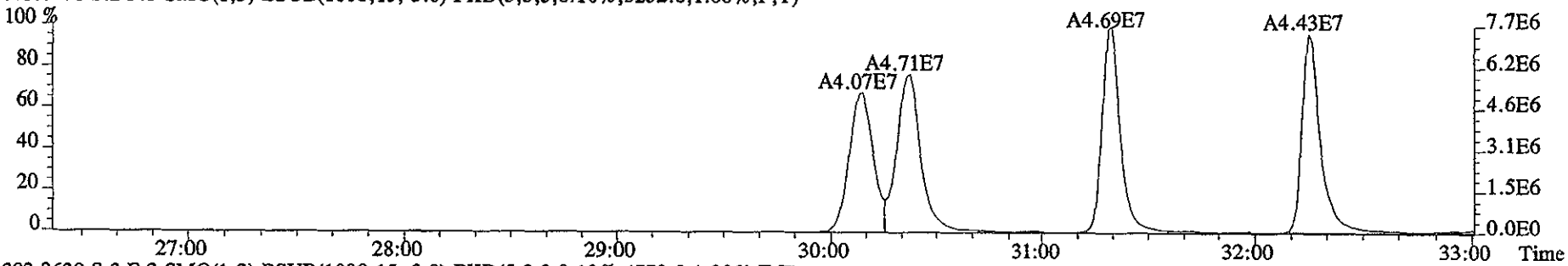


File:26AP10A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

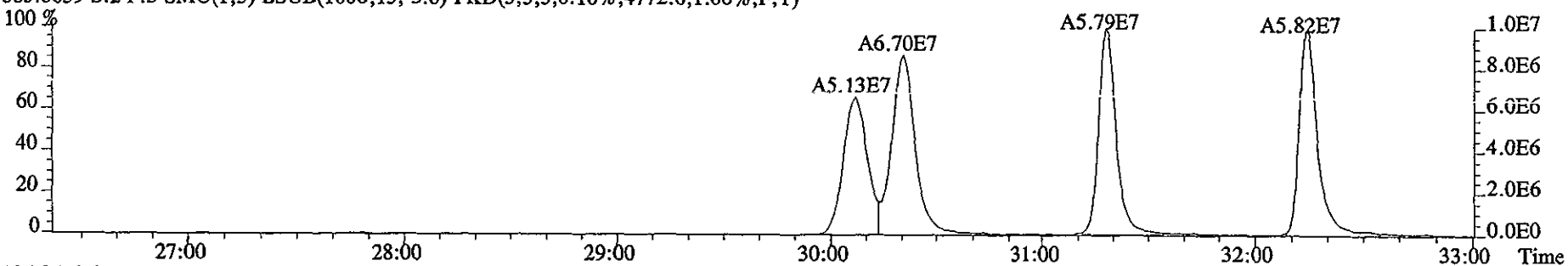
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



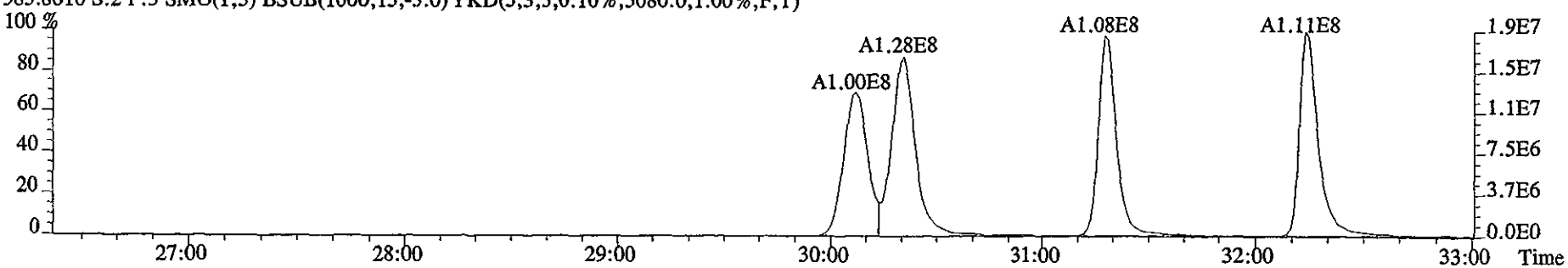
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4772.0,1.00%,F,T)

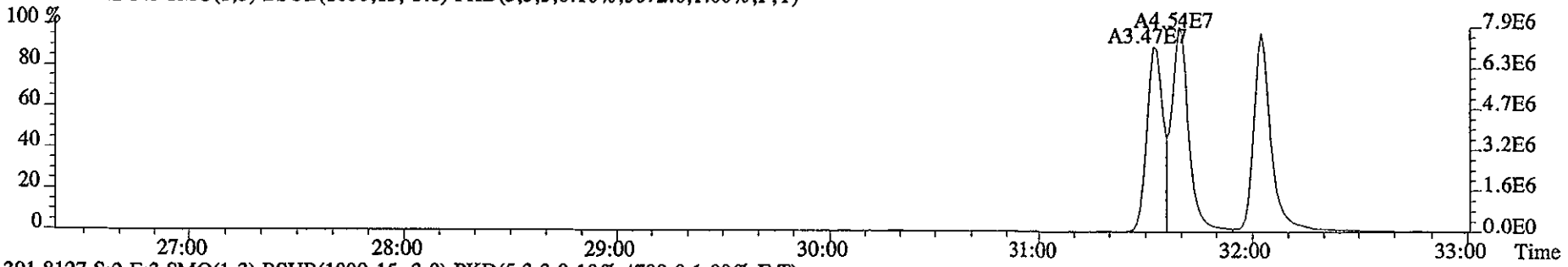


385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5080.0,1.00%,F,T)

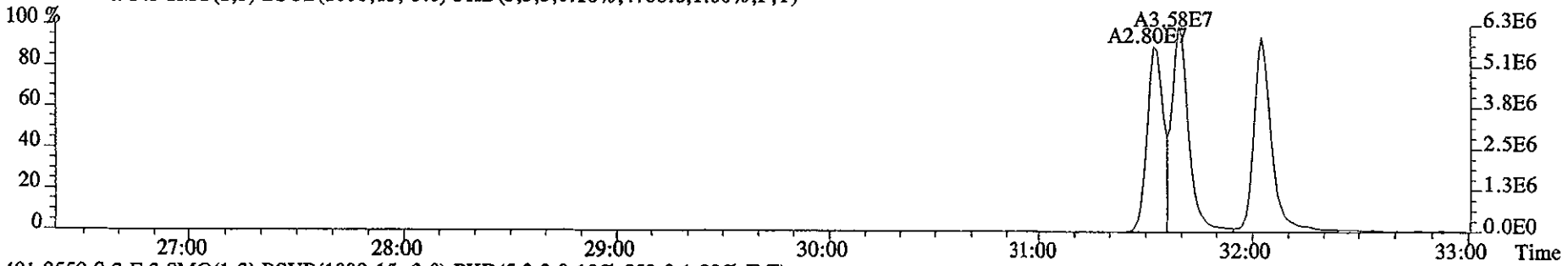


File:26AP10A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

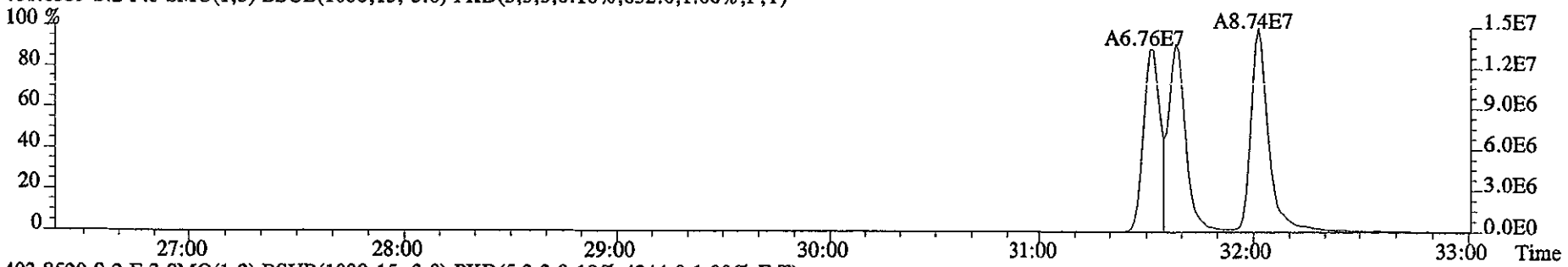
389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3072.0,1.00%,F,T)



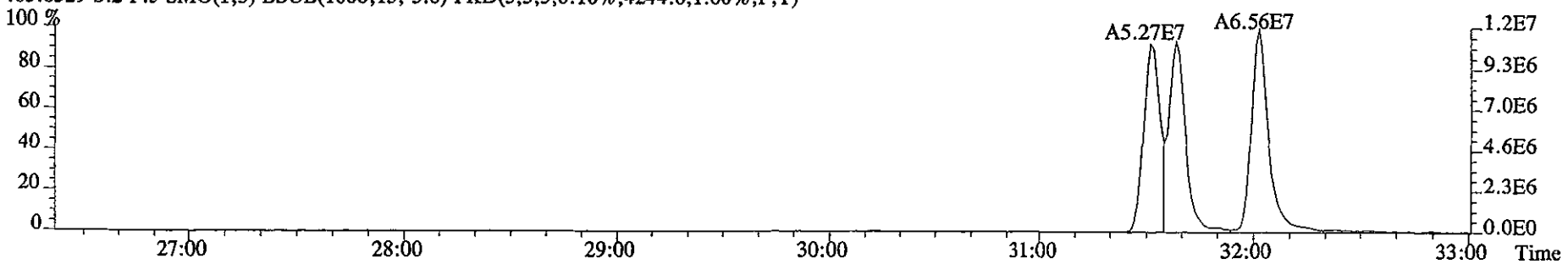
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)



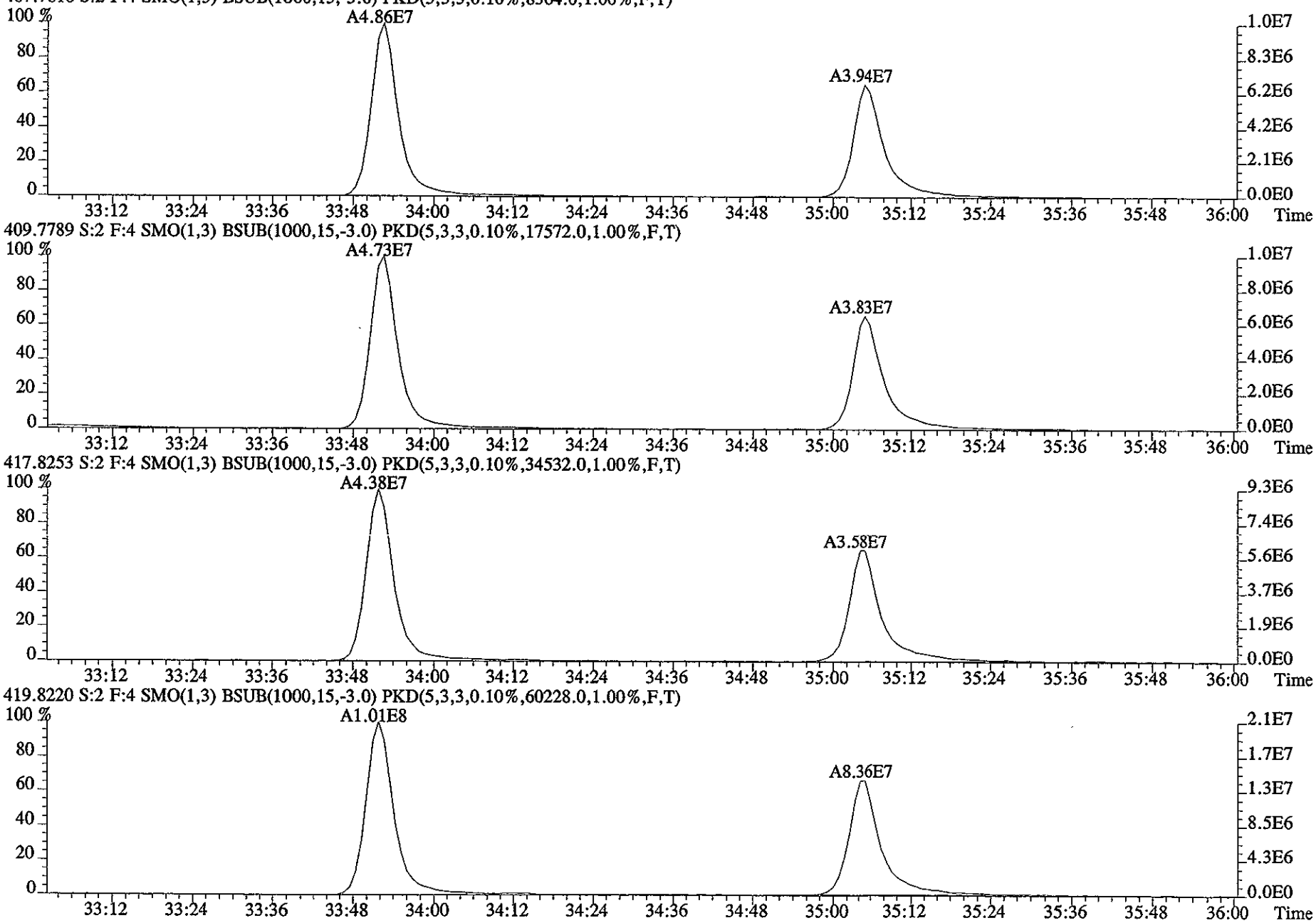
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,852.0,1.00%,F,T)



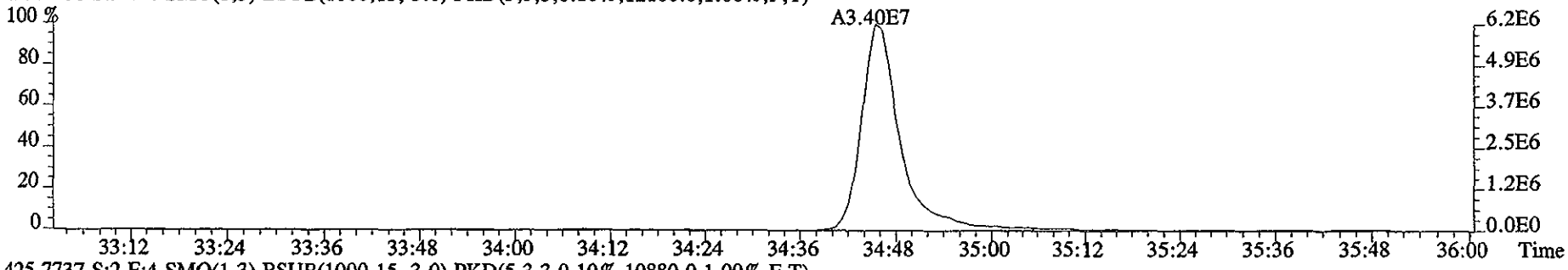
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



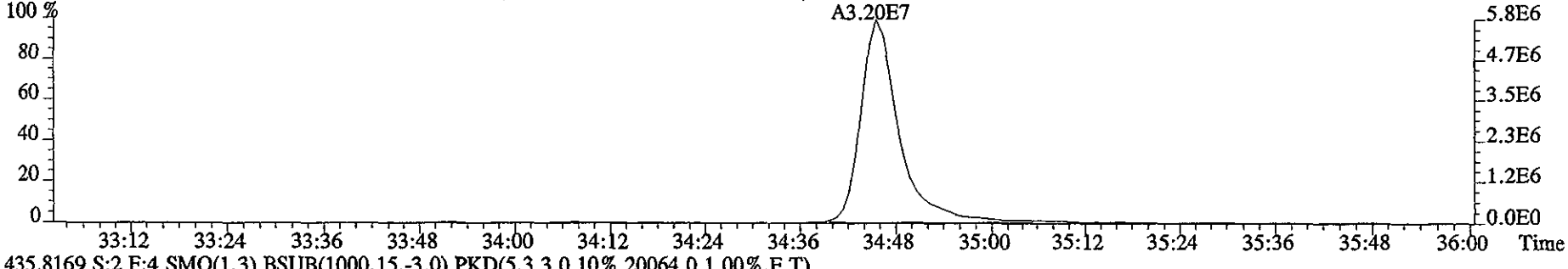
File:26AP10A1D5 #1-210 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN



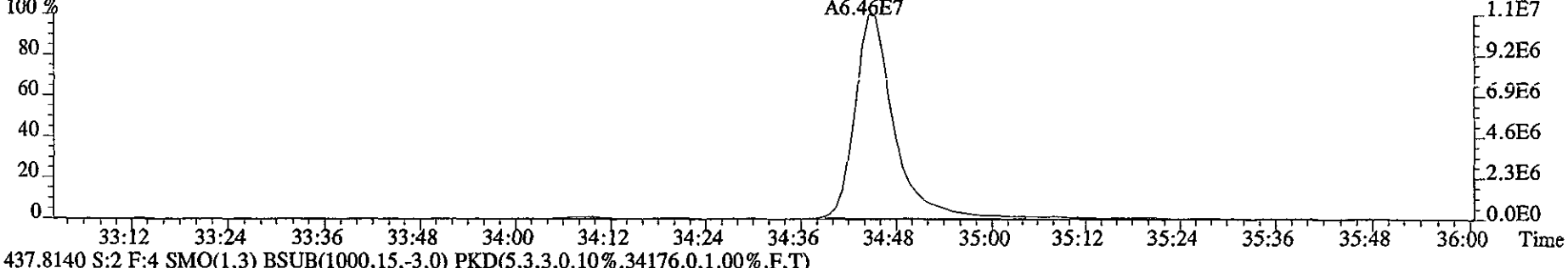
File:26AP10A1D5 #1-210 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12100.0,1.00%,F,T)



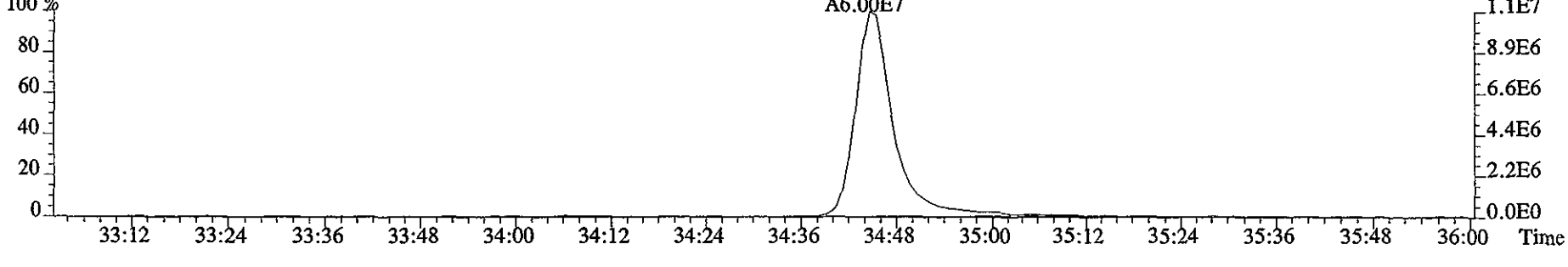
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10880.0,1.00%,F,T)



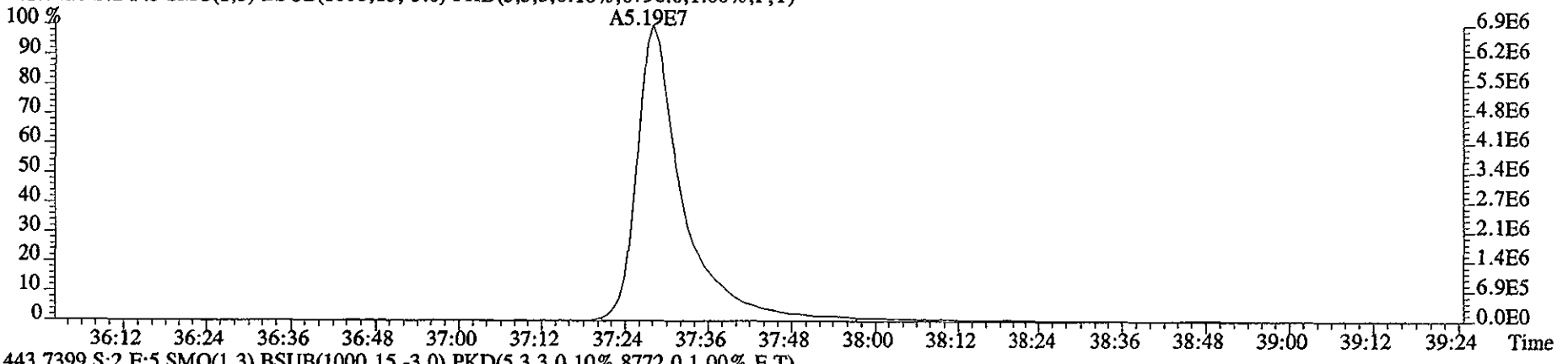
435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20064.0,1.00%,F,T)



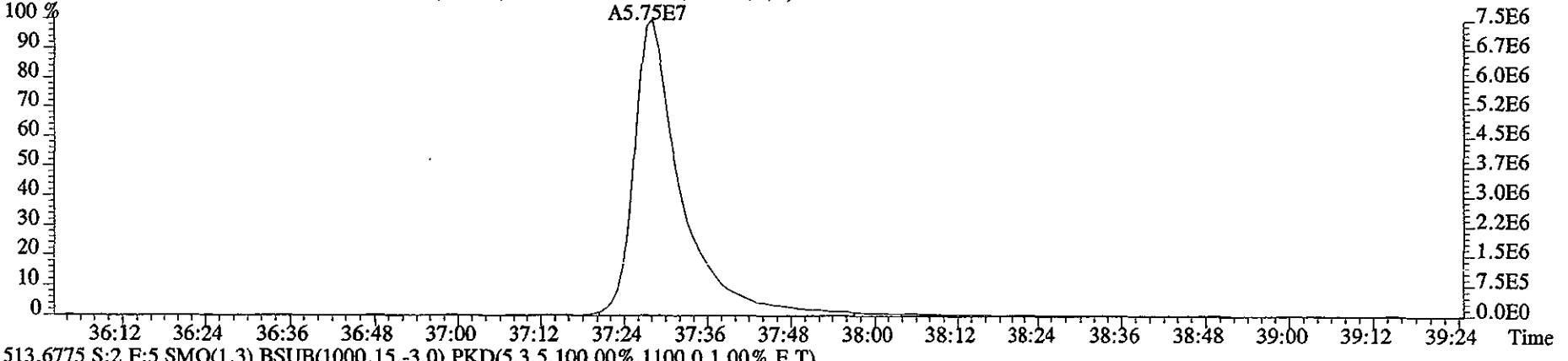
437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34176.0,1.00%,F,T)



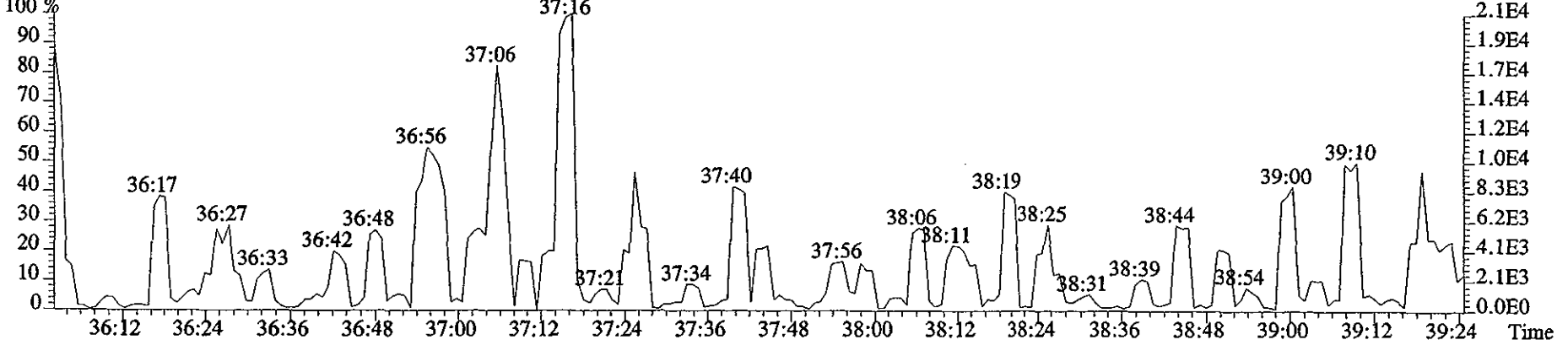
File:26AP10A1D5 #1-244 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6796.0,1.00%,F,T)



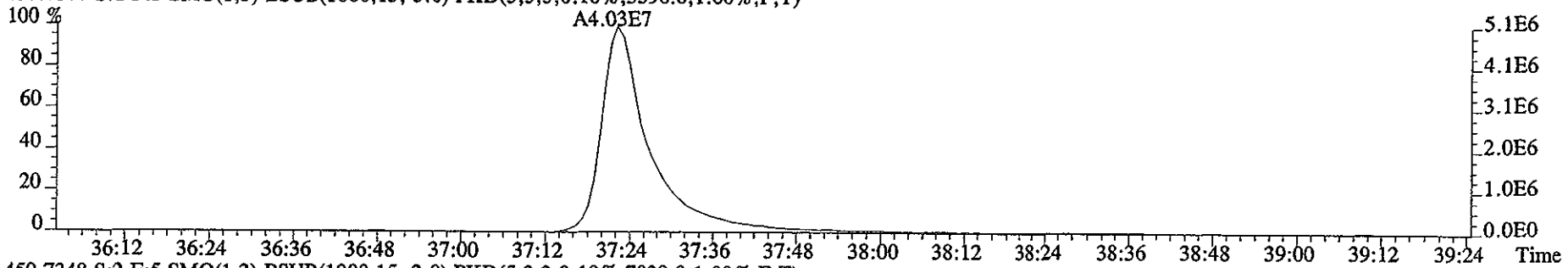
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8772.0,1.00%,F,T)



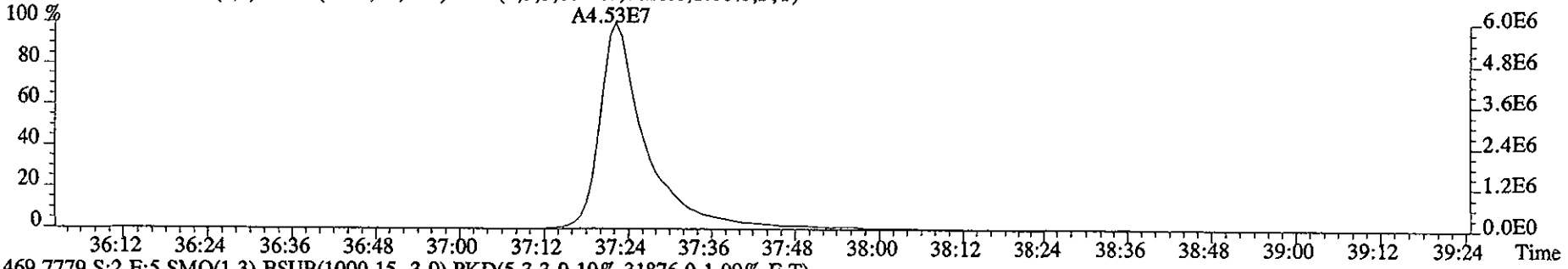
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1100.0,1.00%,F,T)



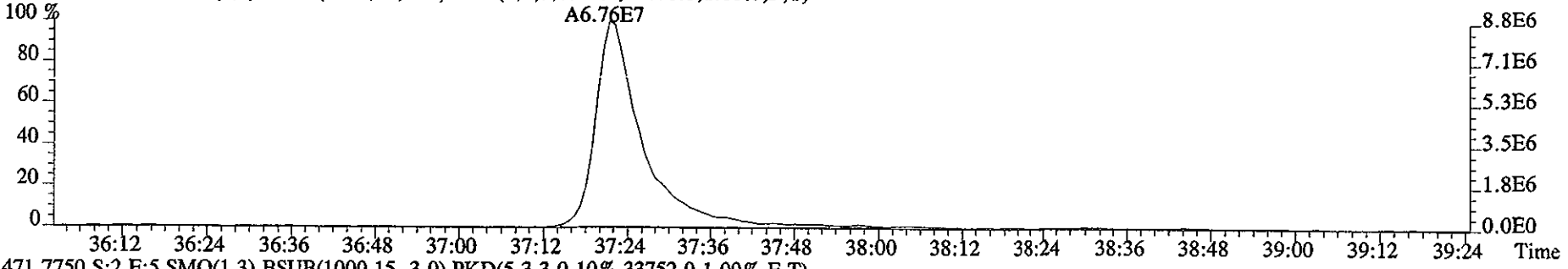
File:26AP10A1D5 #1-244 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5596.0,1.00%,F,T)



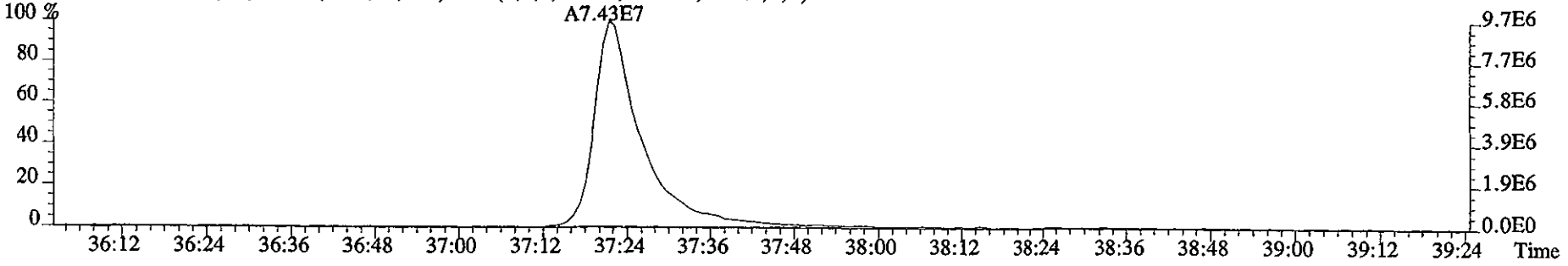
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7028.0,1.00%,F,T)



469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31876.0,1.00%,F,T)

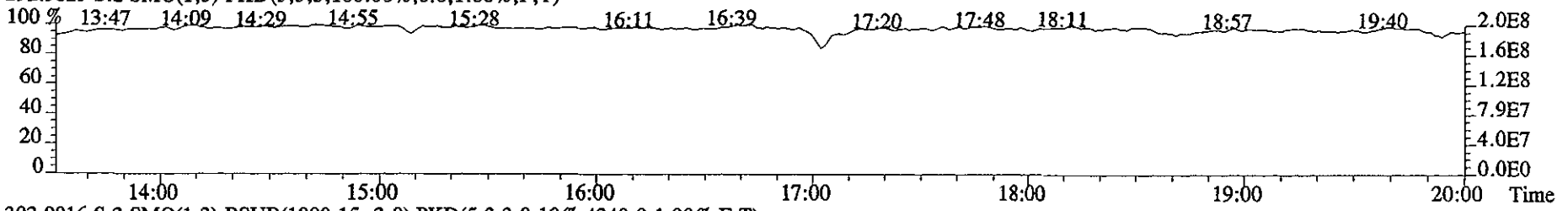


471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33752.0,1.00%,F,T)

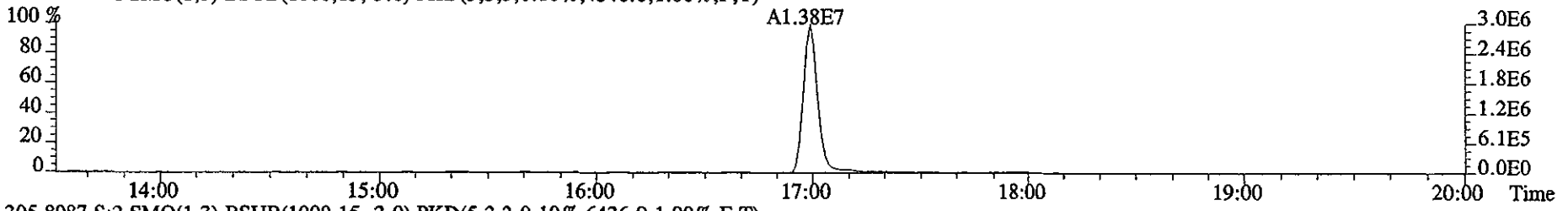


File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

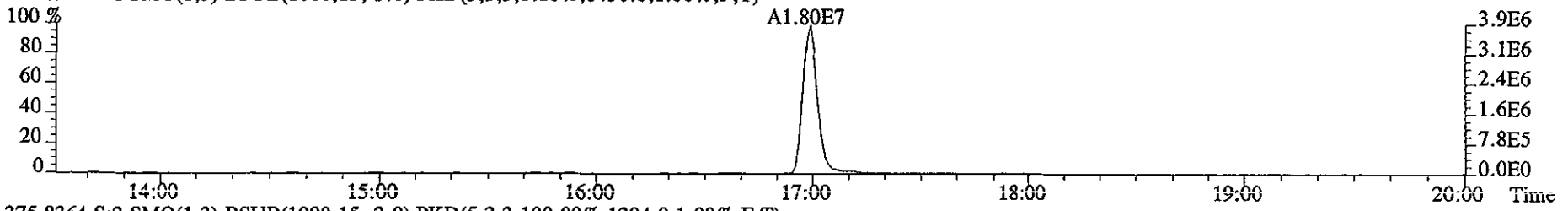
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



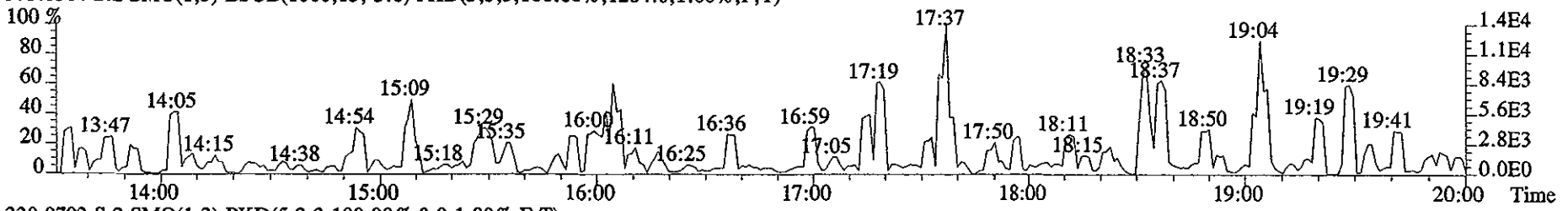
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



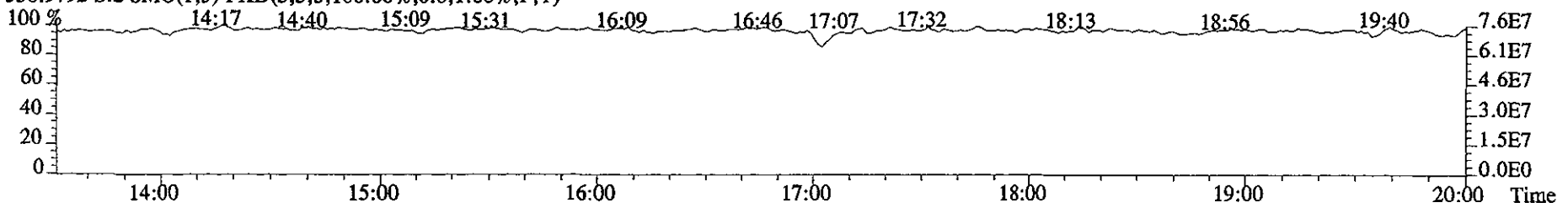
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6436.0,1.00%,F,T)



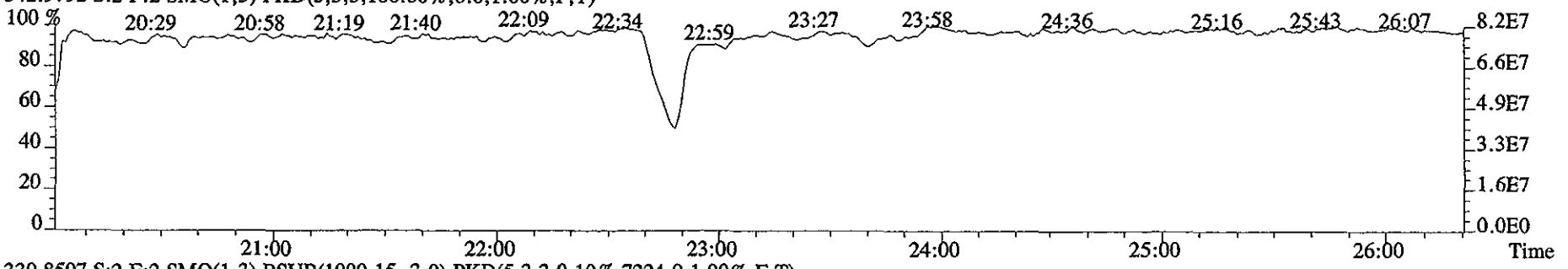
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1204.0,1.00%,F,T)



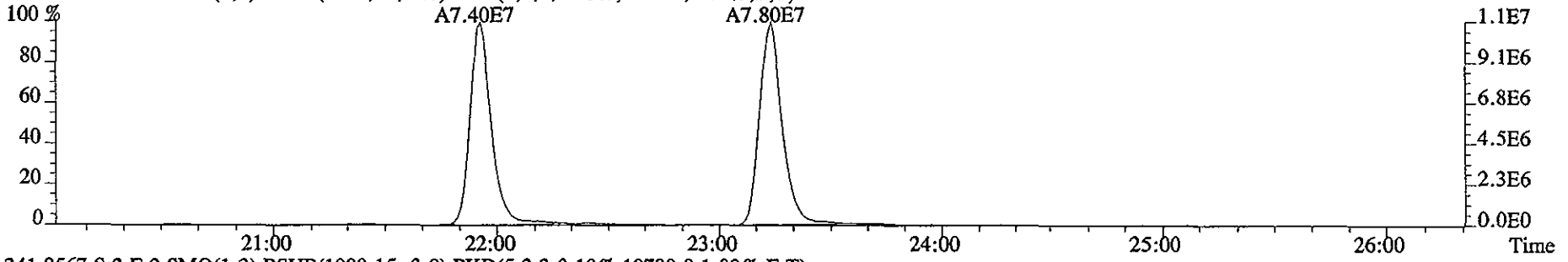
330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



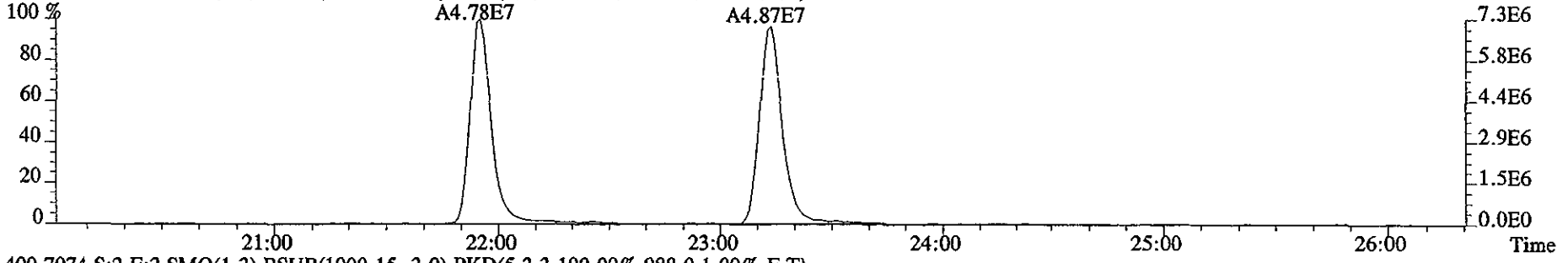
File:26AP10A1D5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



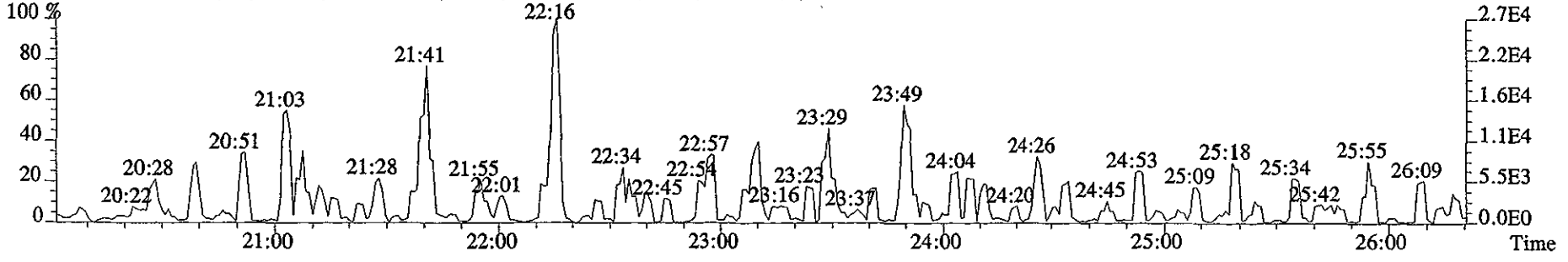
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



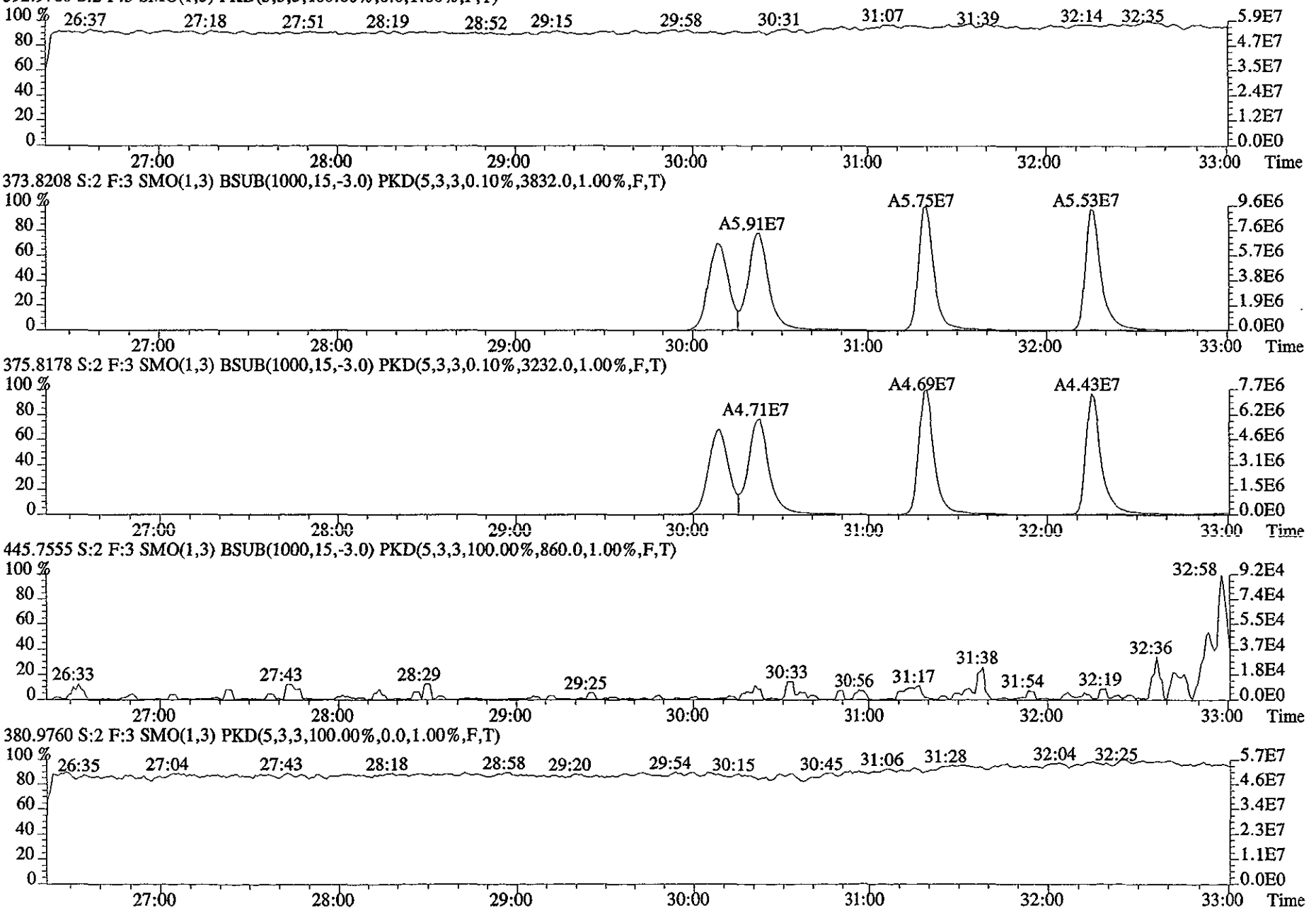
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10780.0,1.00%,F,T)



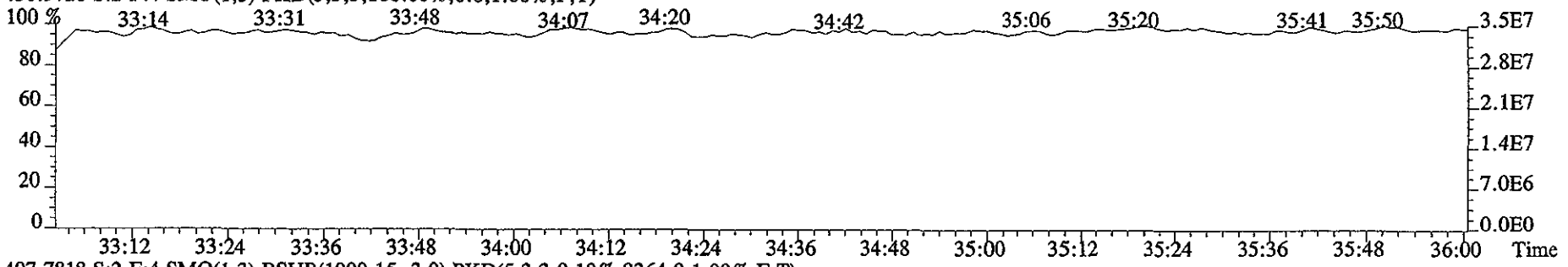
409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,988.0,1.00%,F,T)



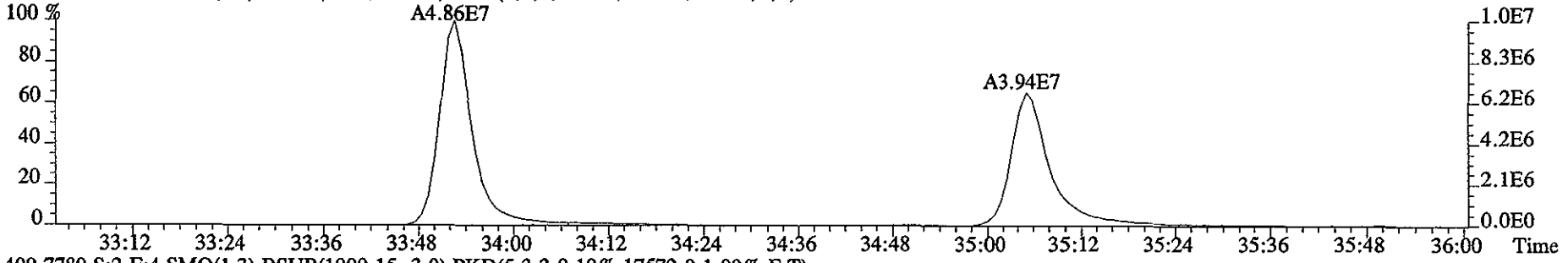
File:26AP10A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN



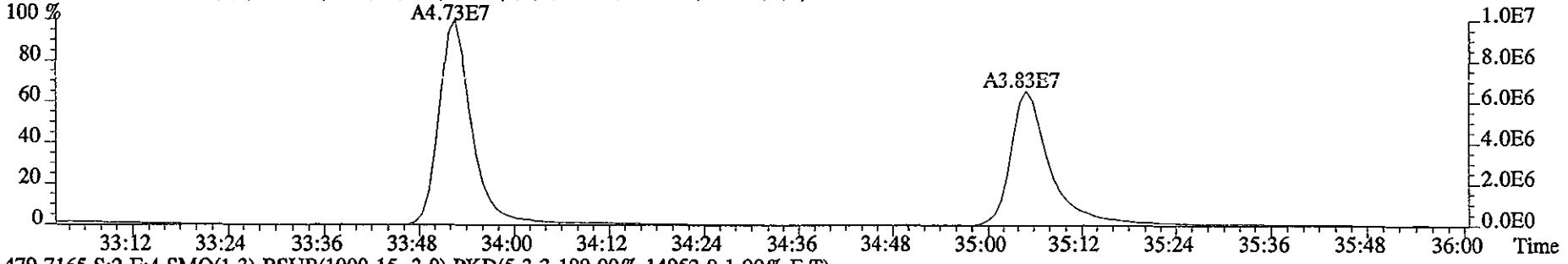
File:26AP10A1D5 #1-210 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



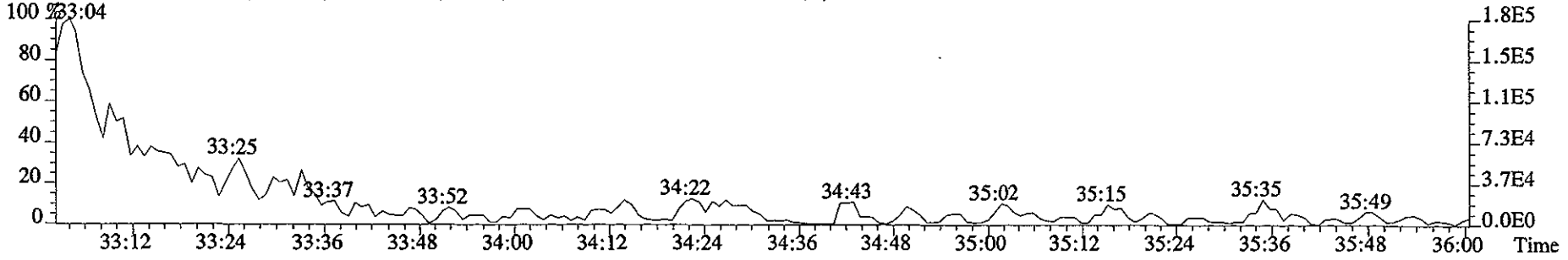
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8364.0,1.00%,F,T)

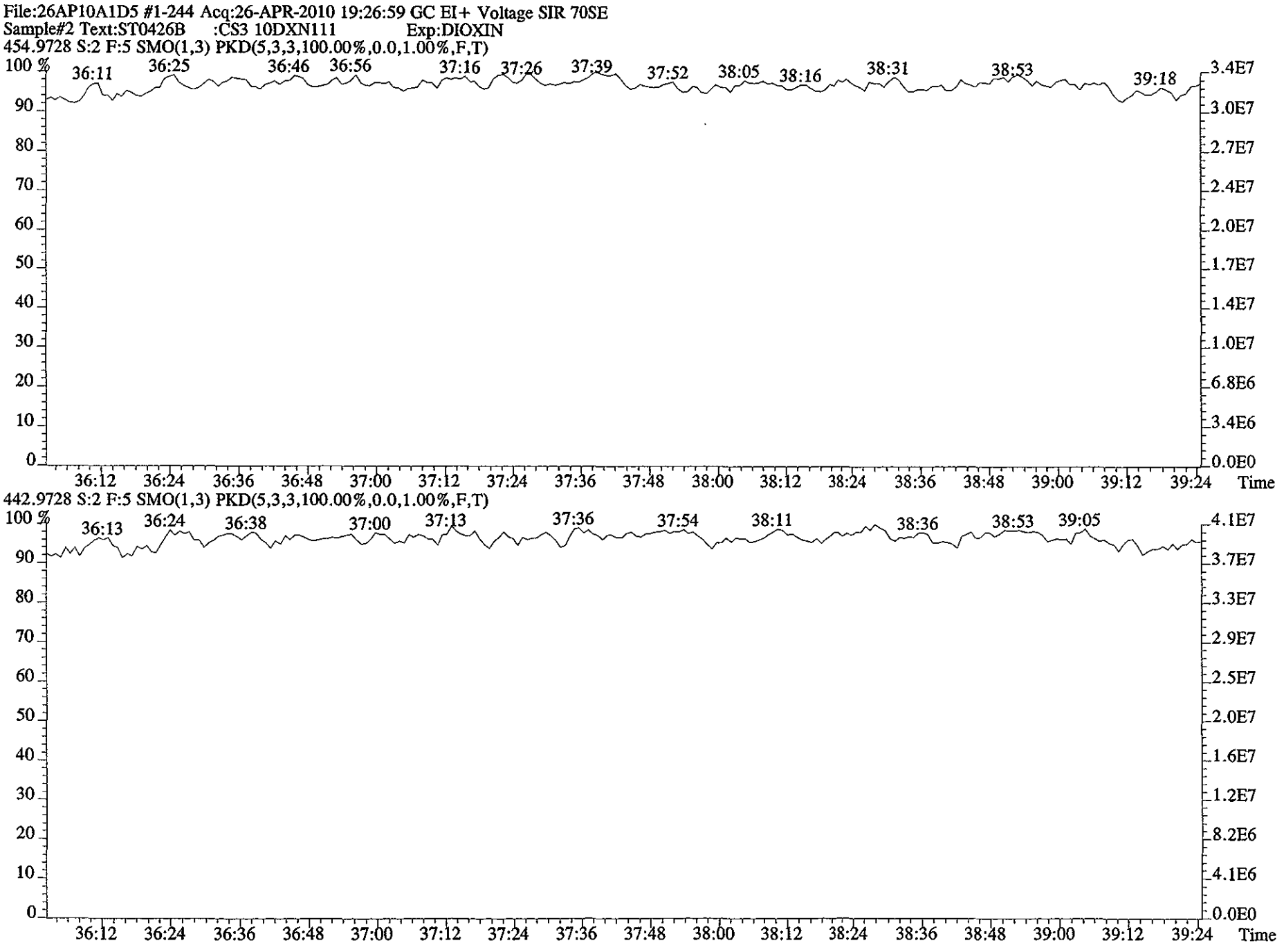


409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17572.0,1.00%,F,T)



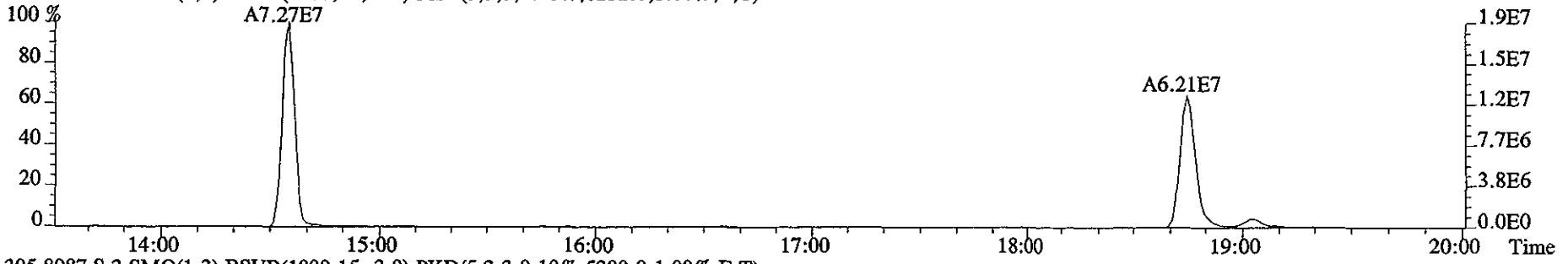
479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,14952.0,1.00%,F,T)



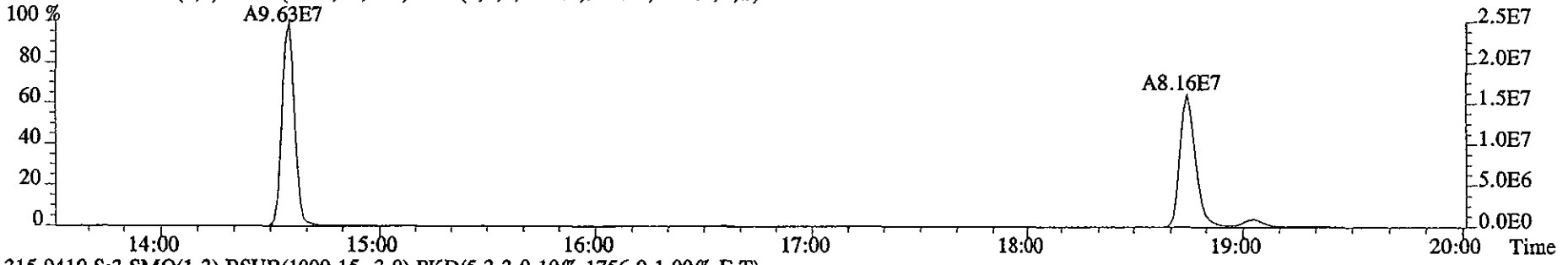


File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

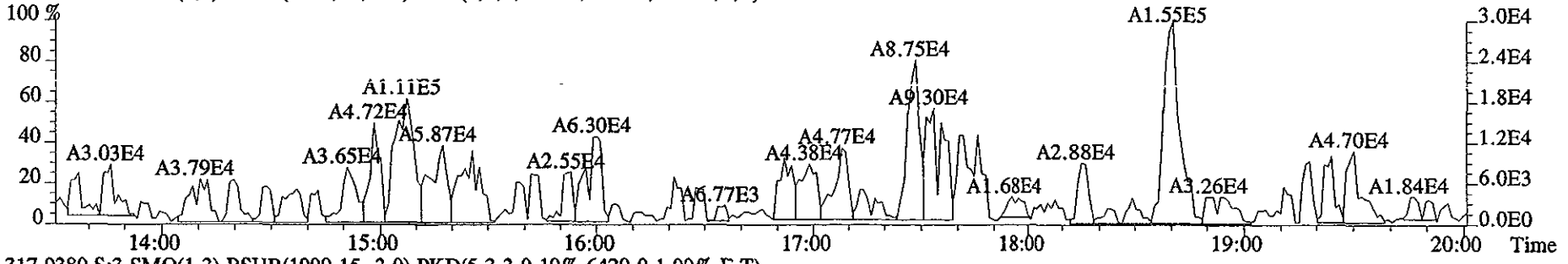
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6252.0,1.00%,F,T)



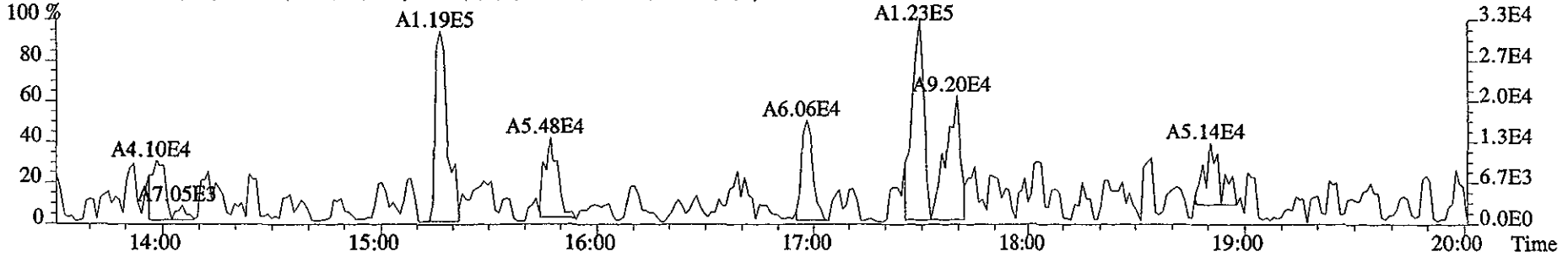
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5200.0,1.00%,F,T)



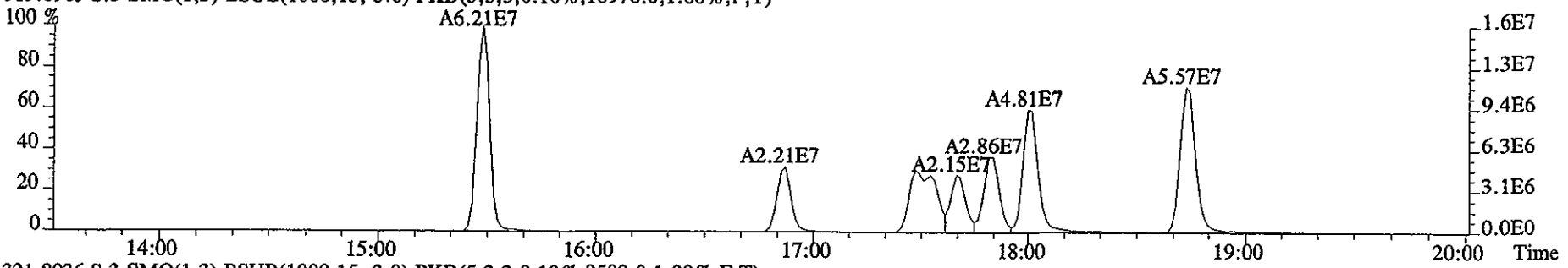
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1756.0,1.00%,F,T)



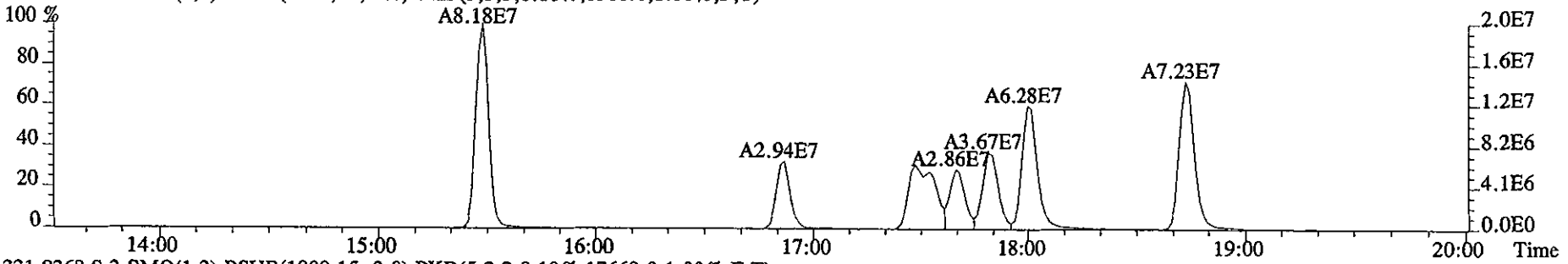
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6420.0,1.00%,F,T)



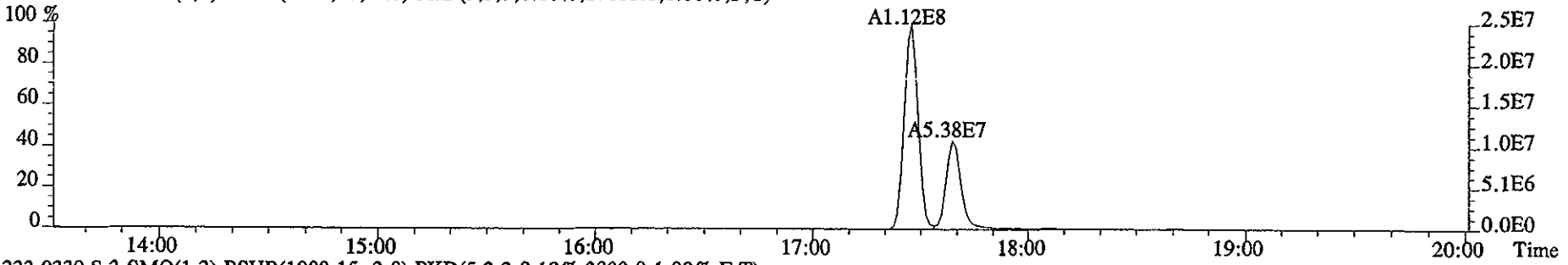
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10976.0,1.00%,F,T)



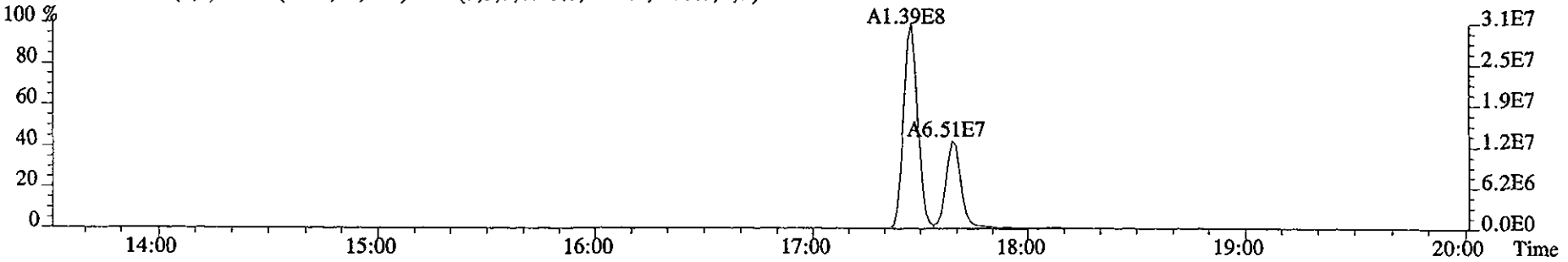
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8588.0,1.00%,F,T)



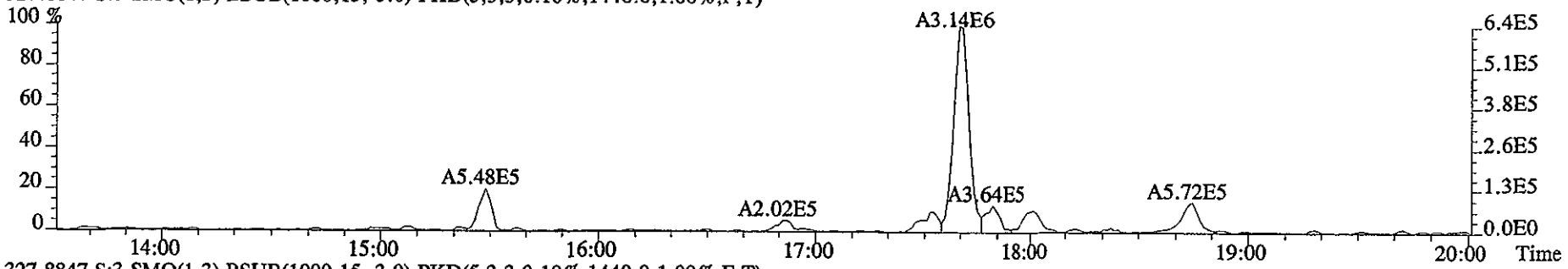
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17668.0,1.00%,F,T)



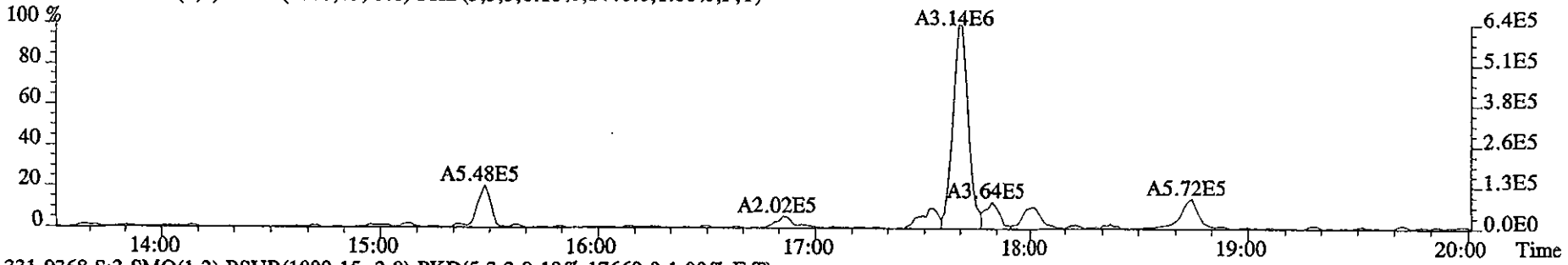
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3800.0,1.00%,F,T)



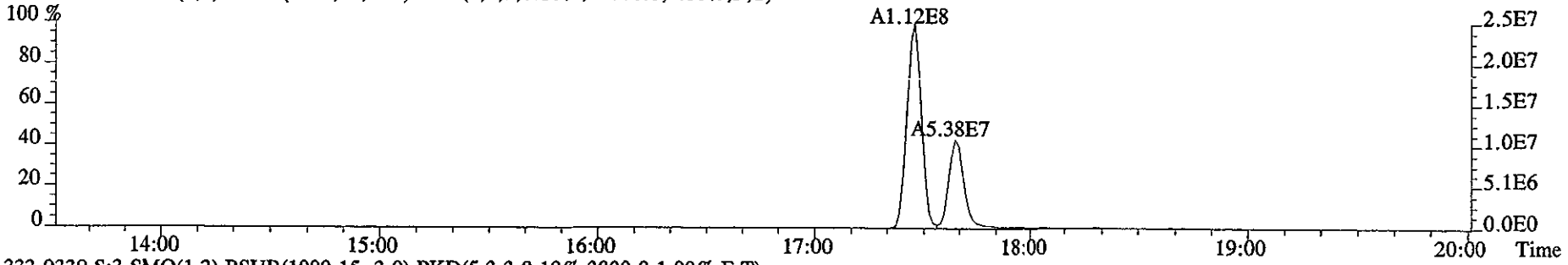
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1440.0,1.00%,F,T)



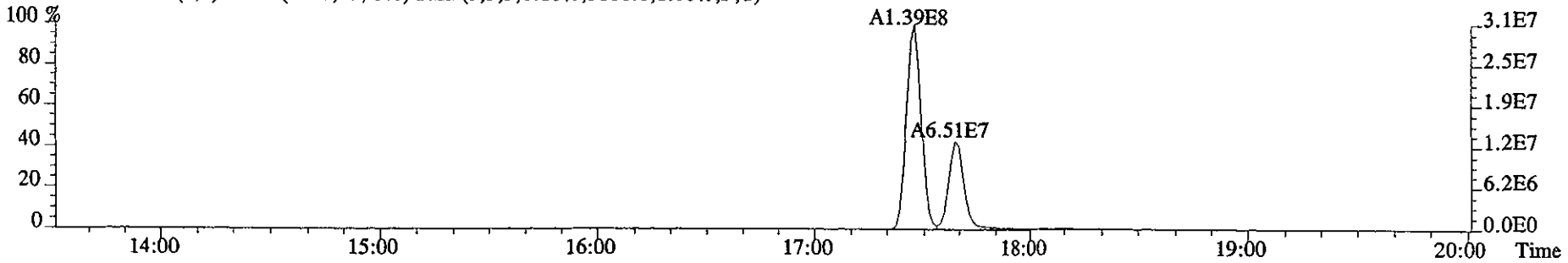
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1440.0,1.00%,F,T)



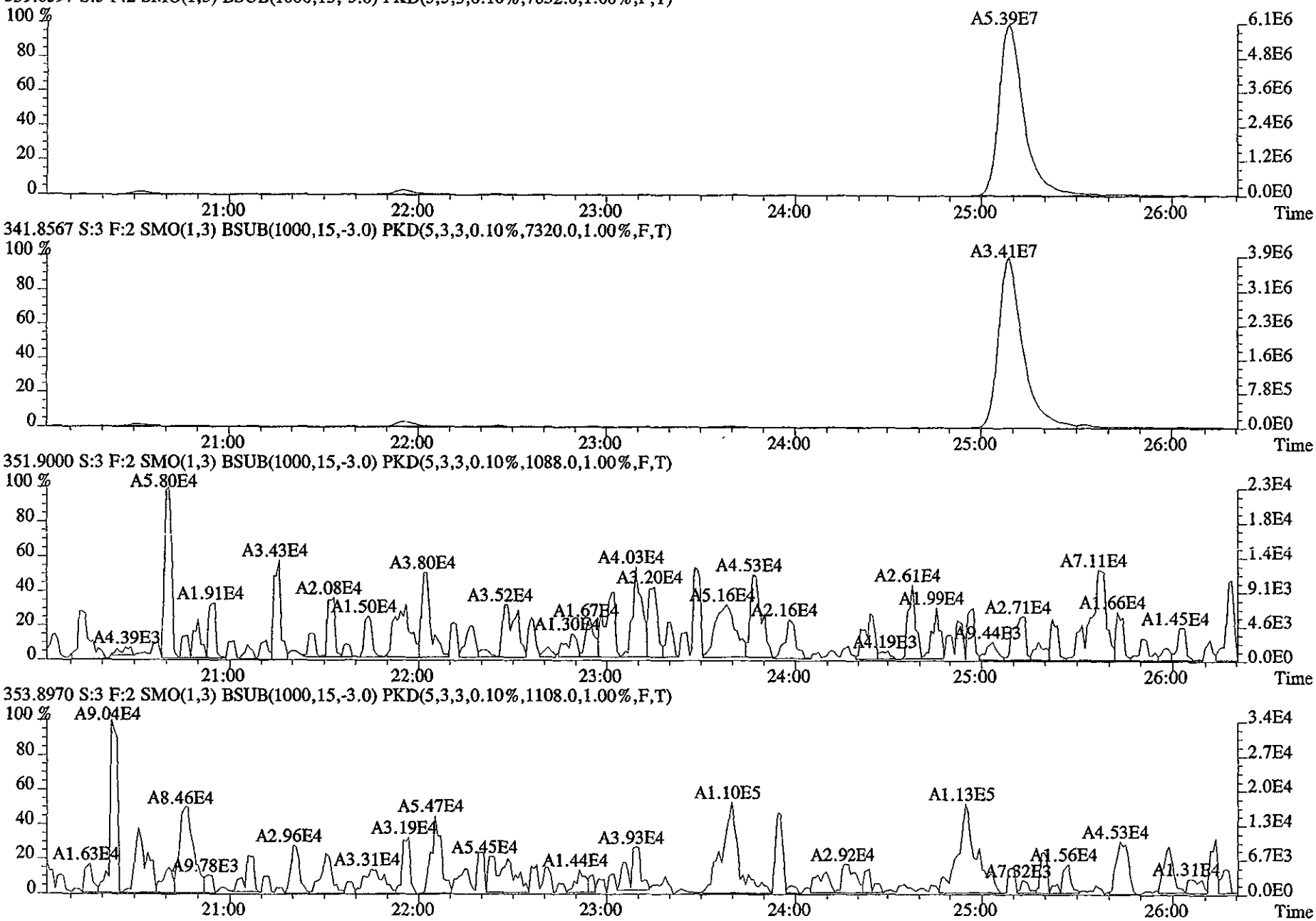
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17668.0,1.00%,F,T)

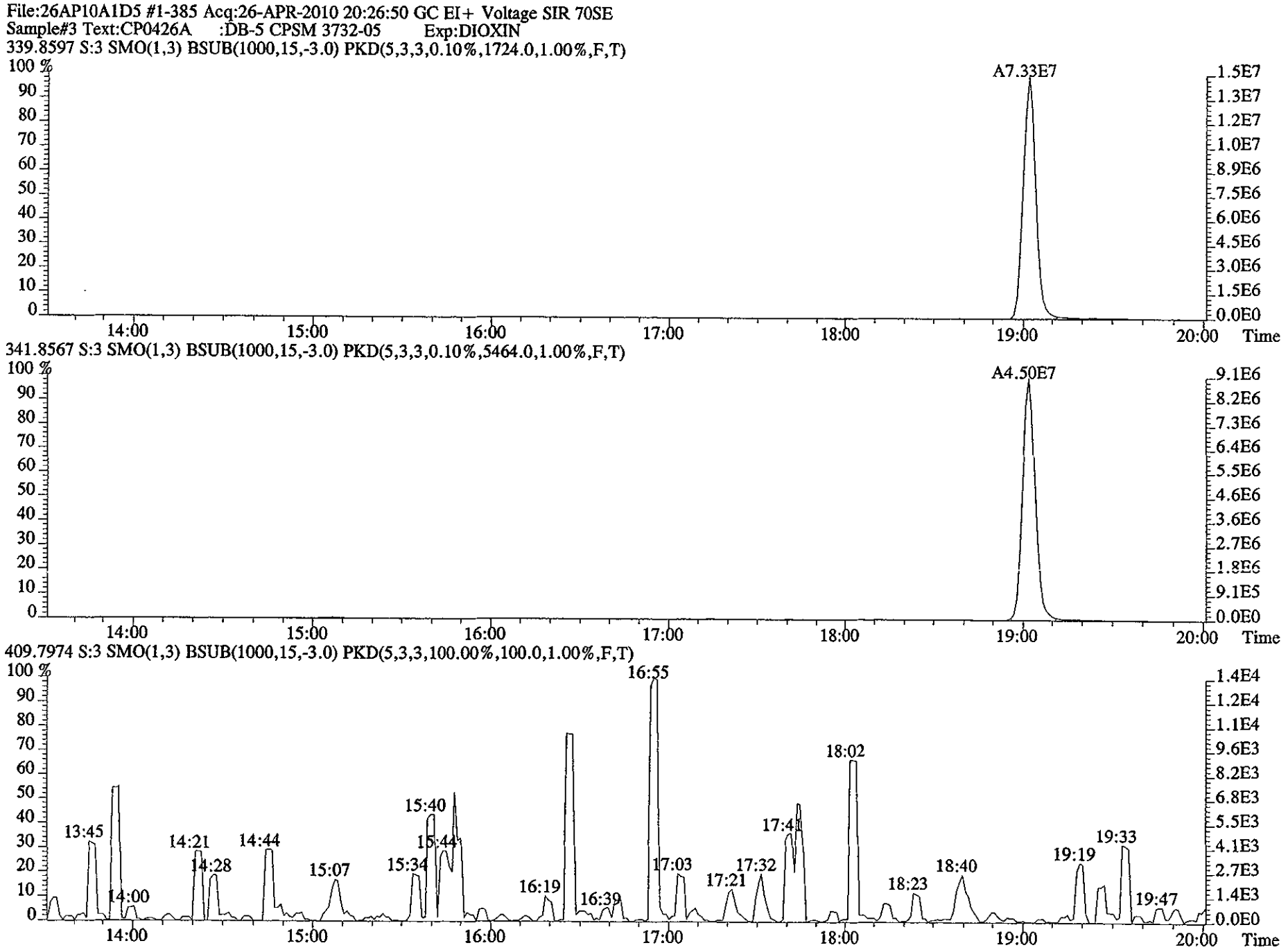


333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3800.0,1.00%,F,T)



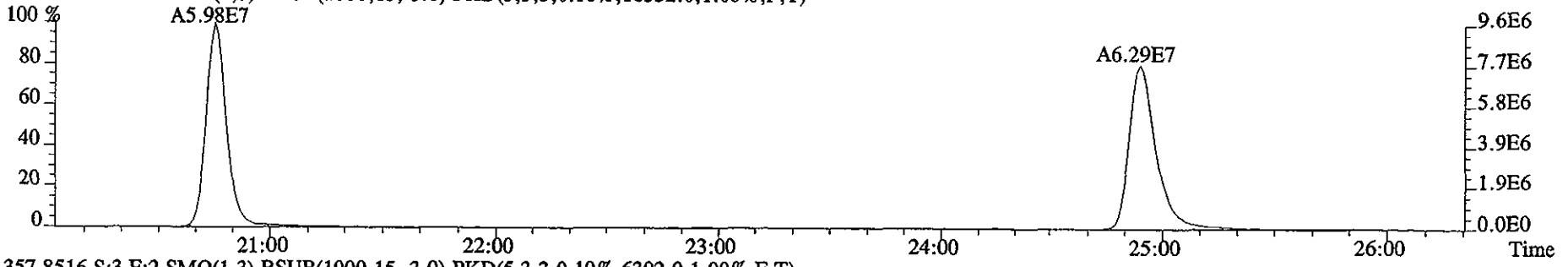
File:26AP10A1D5 #1-444 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN



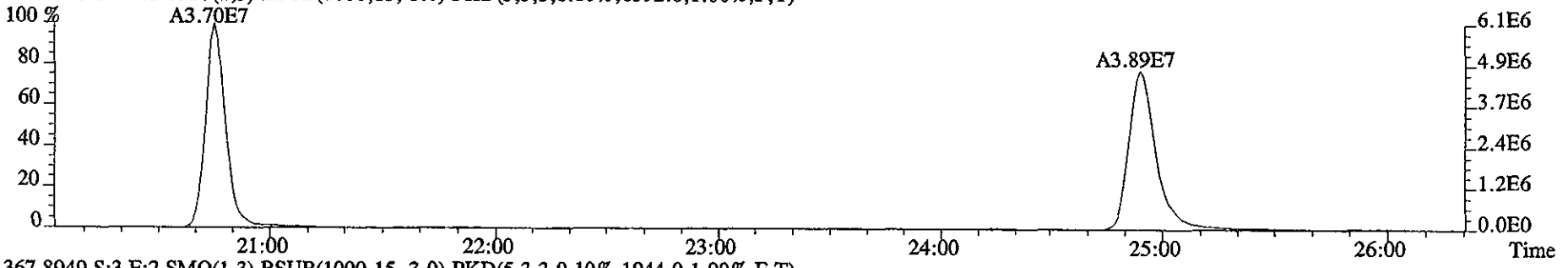

File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1724.0,1.00%,F,T)
A7.33E7
341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5464.0,1.00%,F,T)
A4.50E7
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)
13:45
14:00
14:21
14:28
14:44
15:07
15:34
15:40
15:44
16:19
16:39
16:55
17:03
17:21
17:32
17:41
18:02
18:23
18:40
19:19
19:33
19:47
Time

File:26AP10A1D5 #1-444 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

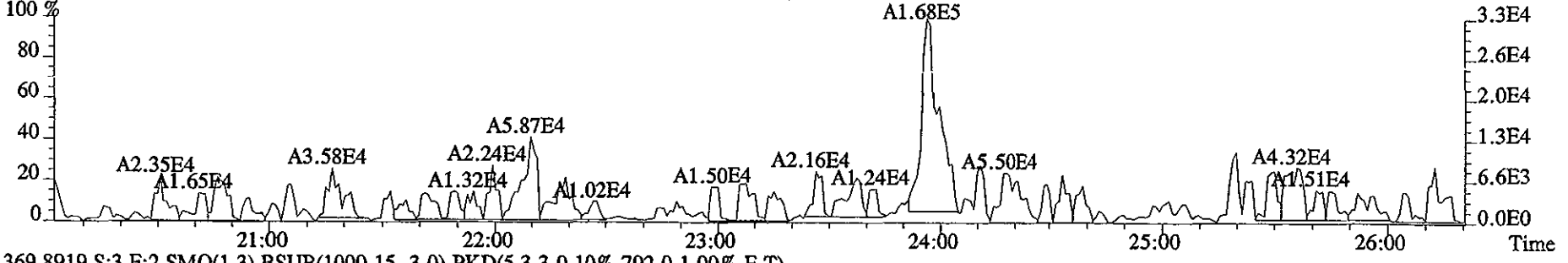
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10352.0,1.00%,F,T)



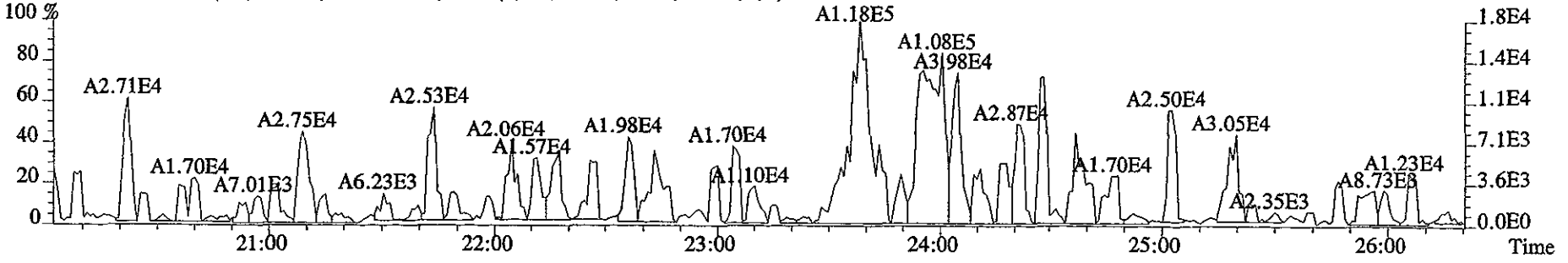
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6392.0,1.00%,F,T)



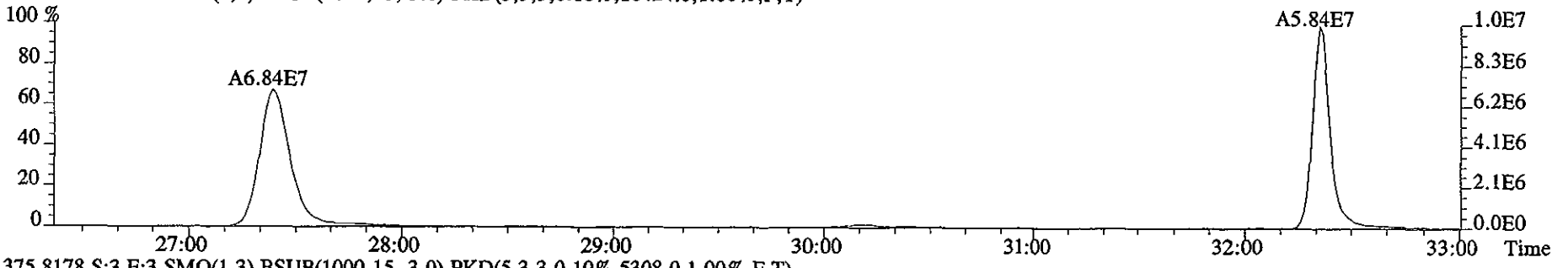
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1944.0,1.00%,F,T)



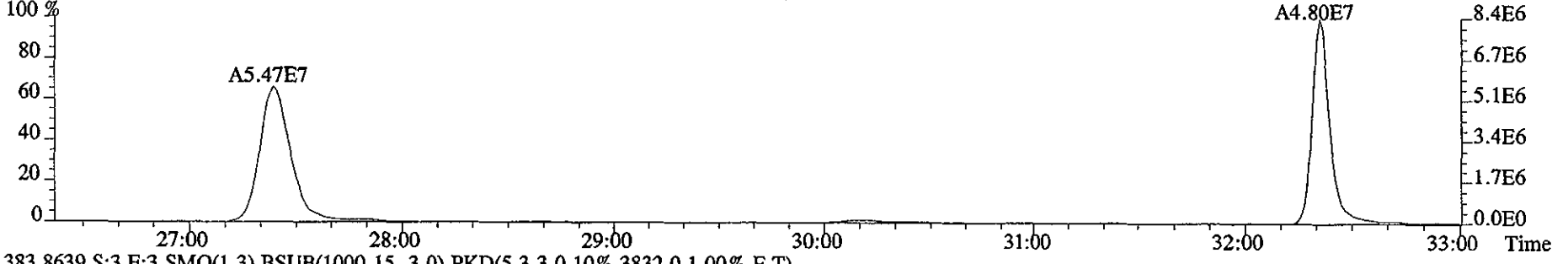
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,792.0,1.00%,F,T)



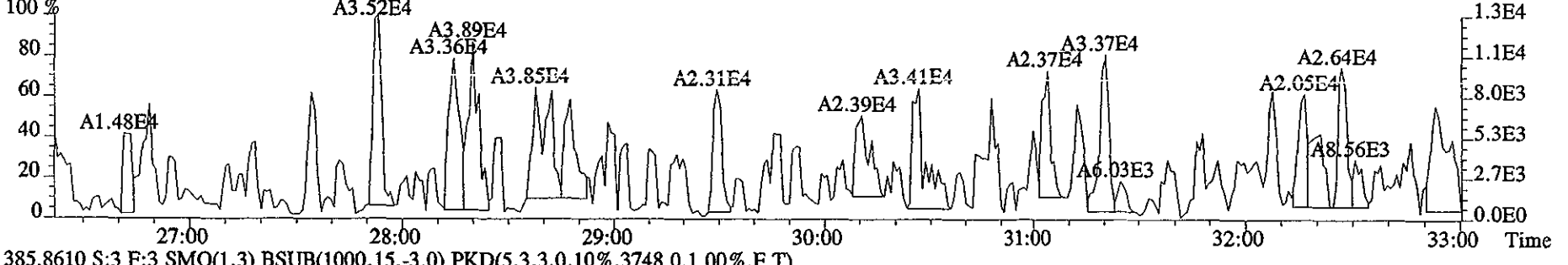
File:26AP10A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10424.0,1.00%,F,T)



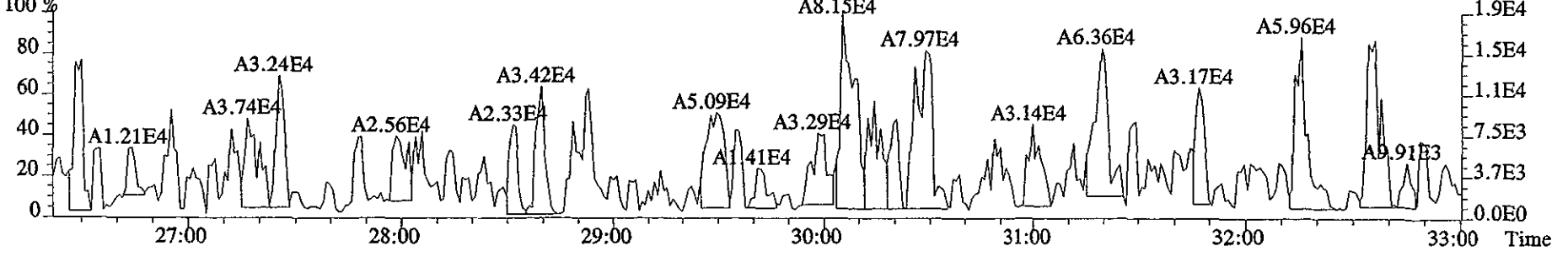
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5308.0,1.00%,F,T)



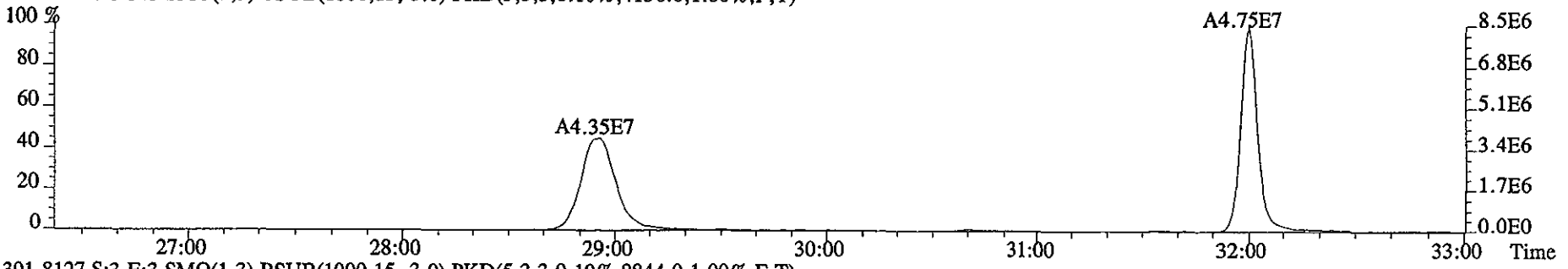
383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



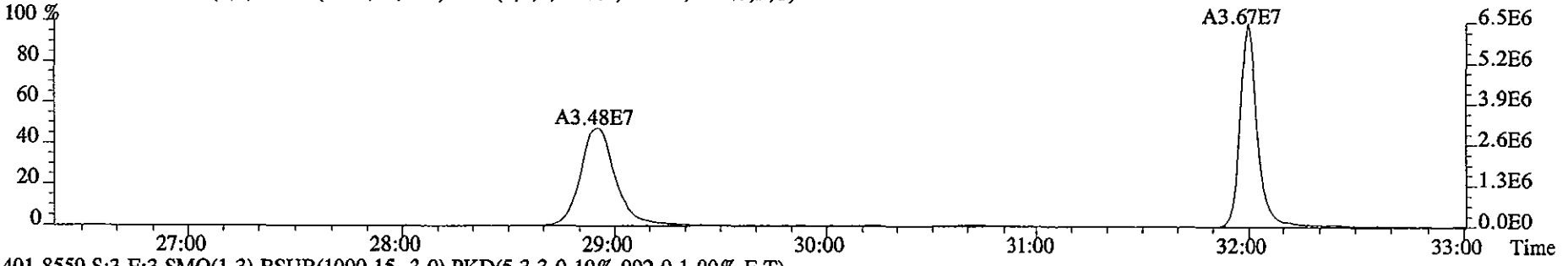
385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3748.0,1.00%,F,T)



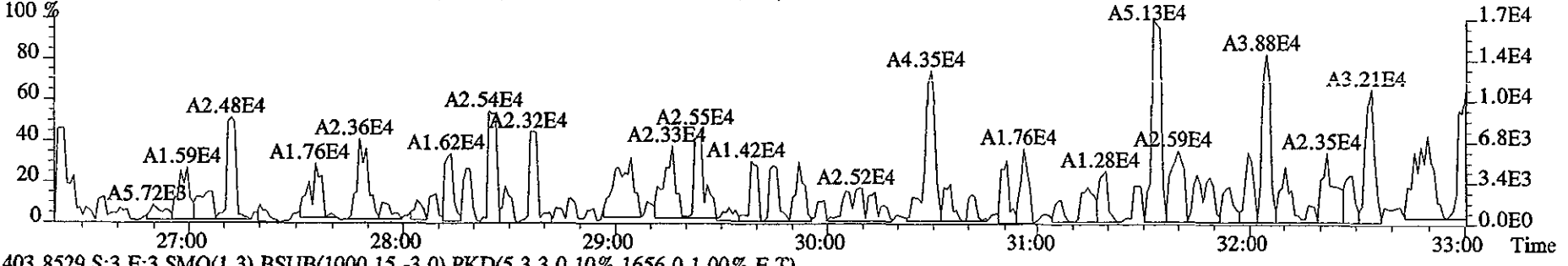
File:26AP10A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4156.0,1.00%,F,T)



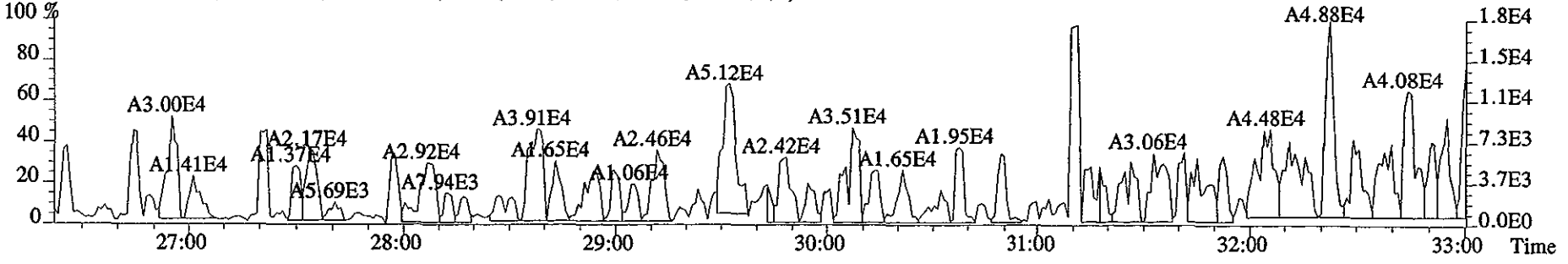
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8844.0,1.00%,F,T)



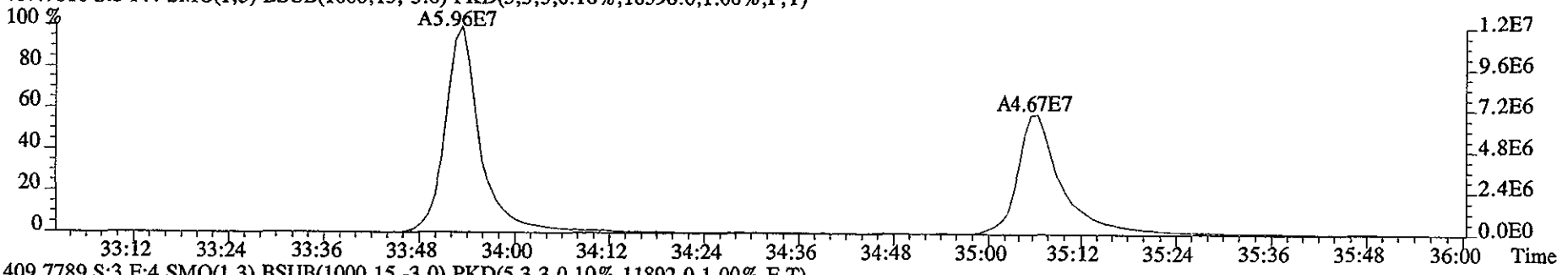
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



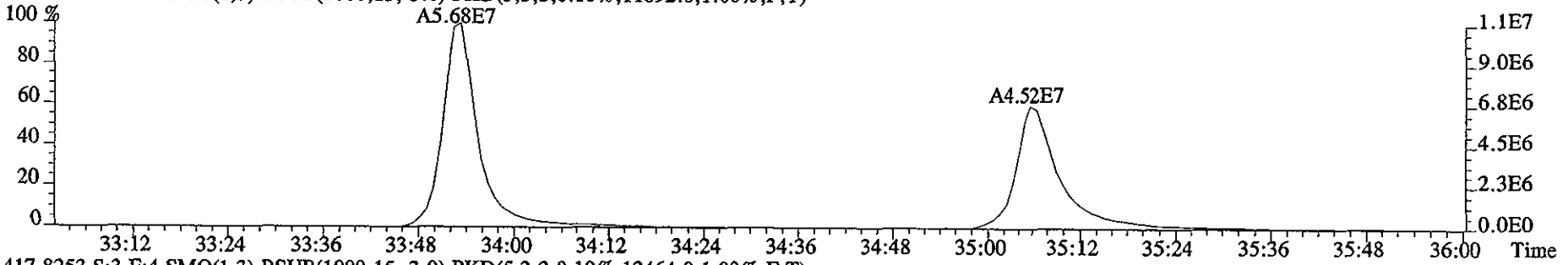
403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1656.0,1.00%,F,T)



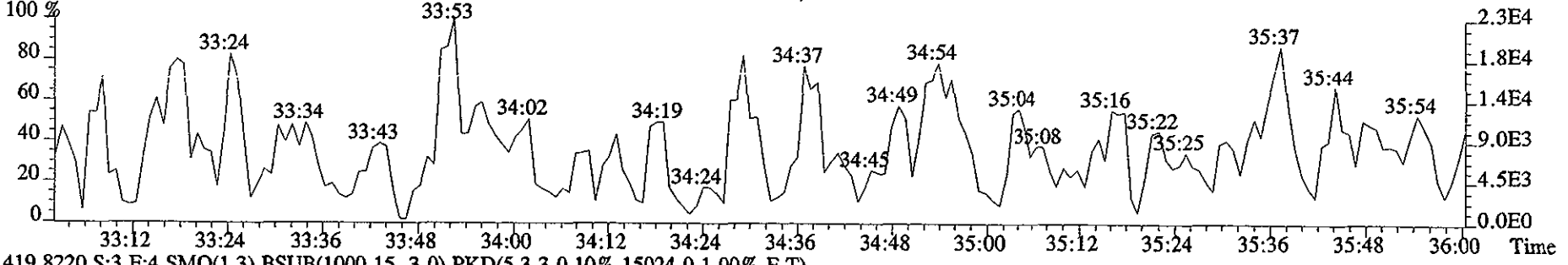
File:26AP10A1D5 #1-210 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18596.0,1.00%,F,T)



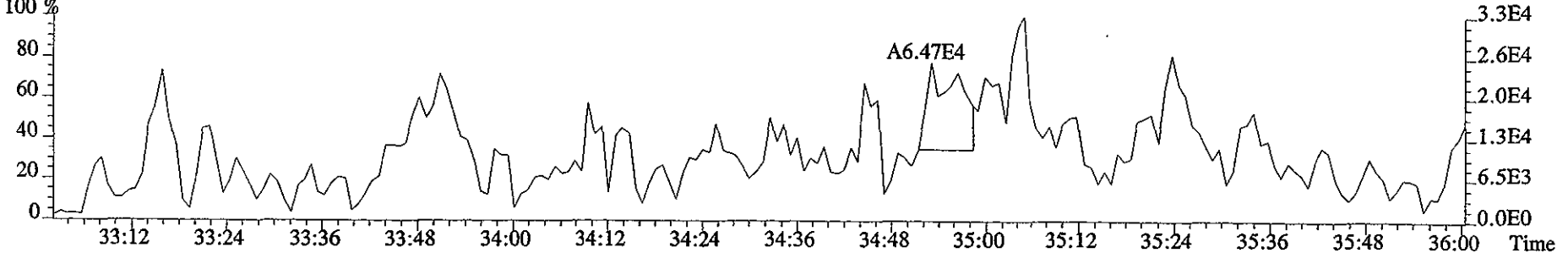
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11892.0,1.00%,F,T)



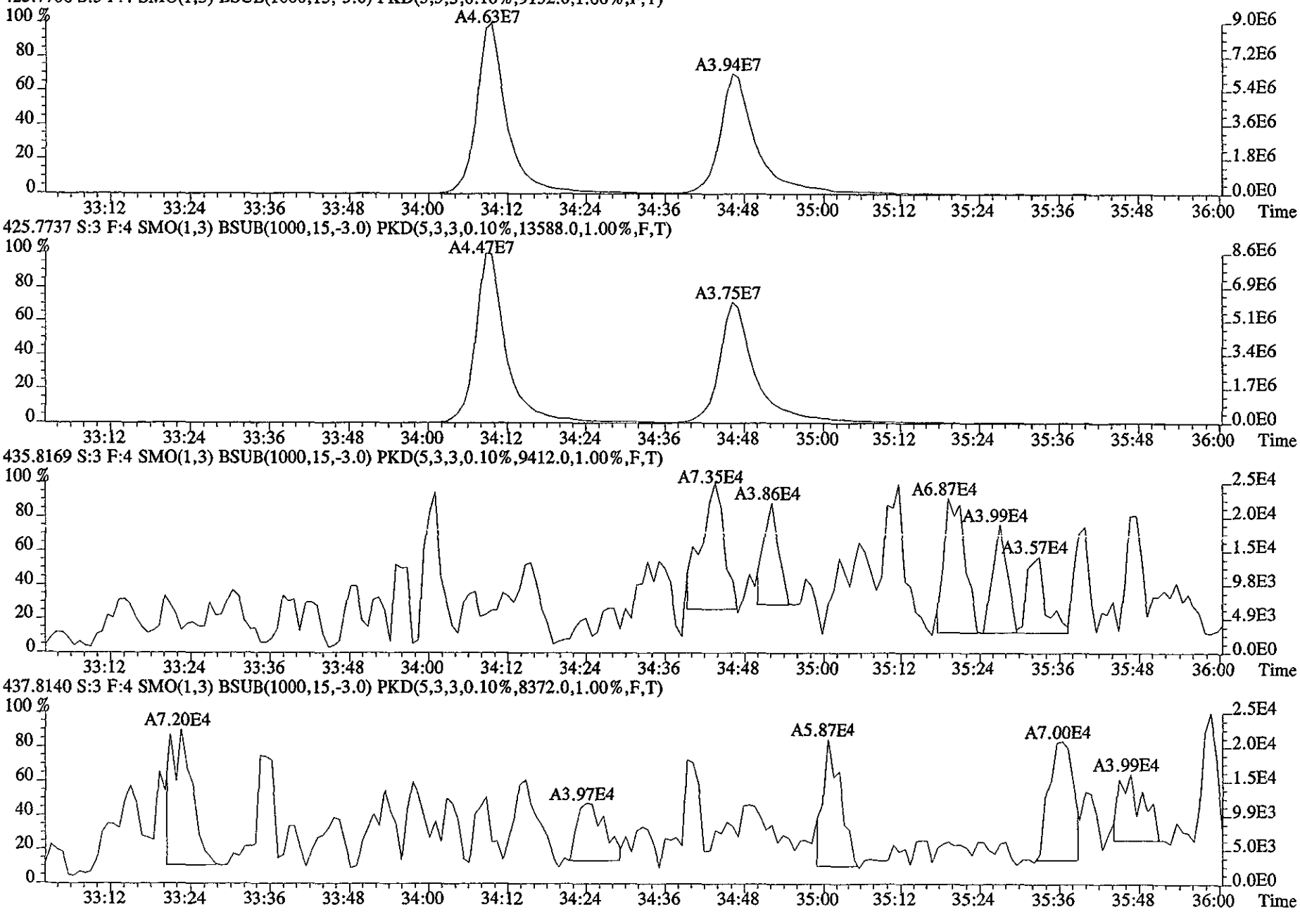
417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12464.0,1.00%,F,T)



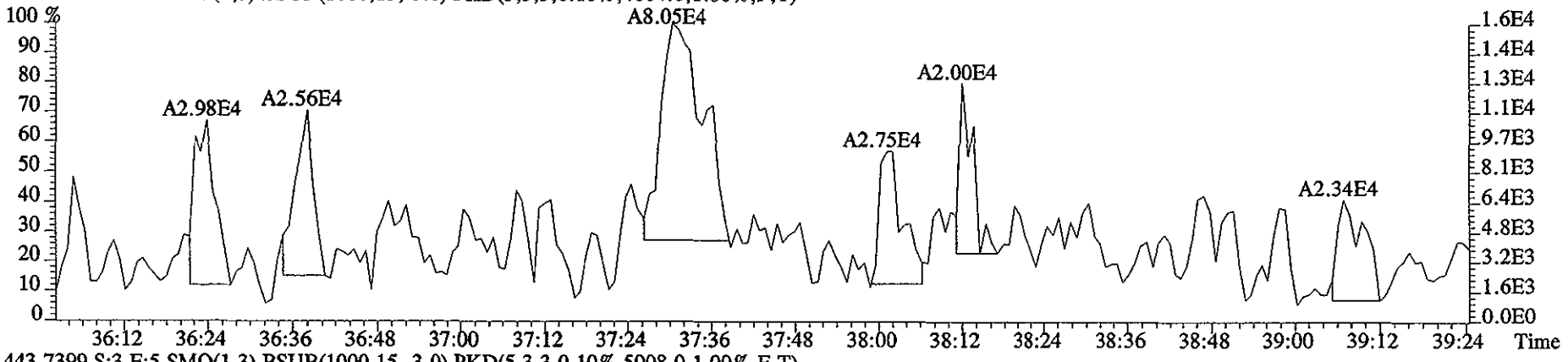
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15024.0,1.00%,F,T)



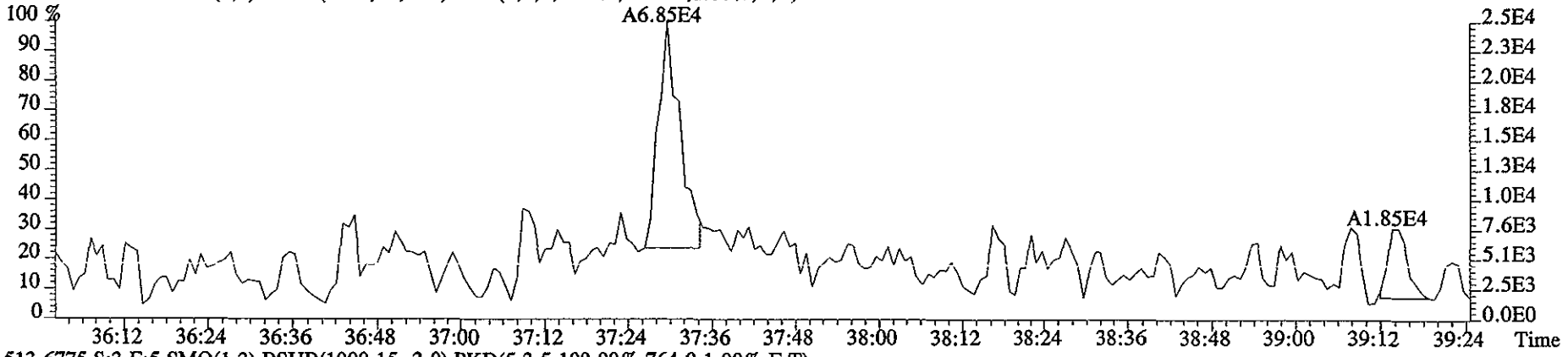
File:26AP10A1D5 #1-210 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN



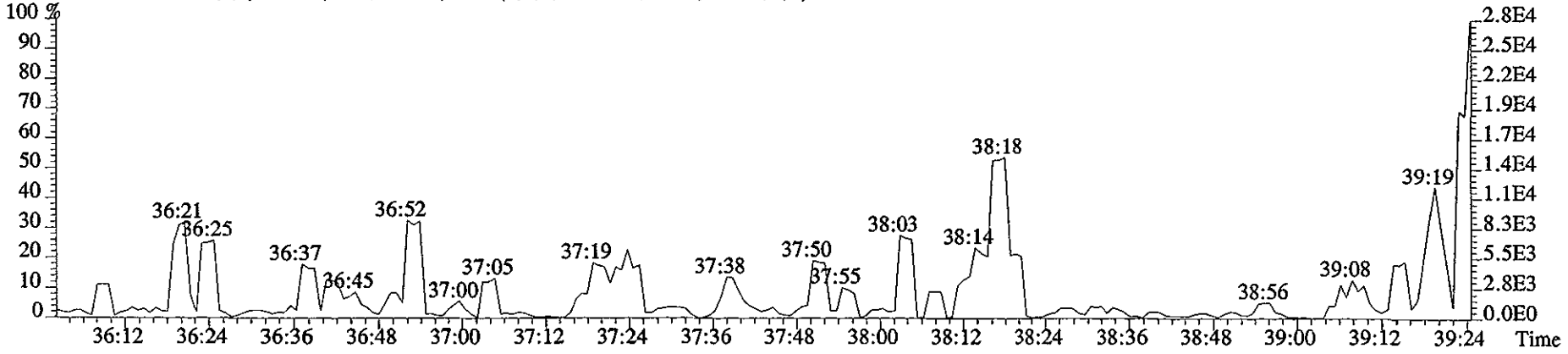
File:26AP10A1D5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4604.0,1.00%,F,T)



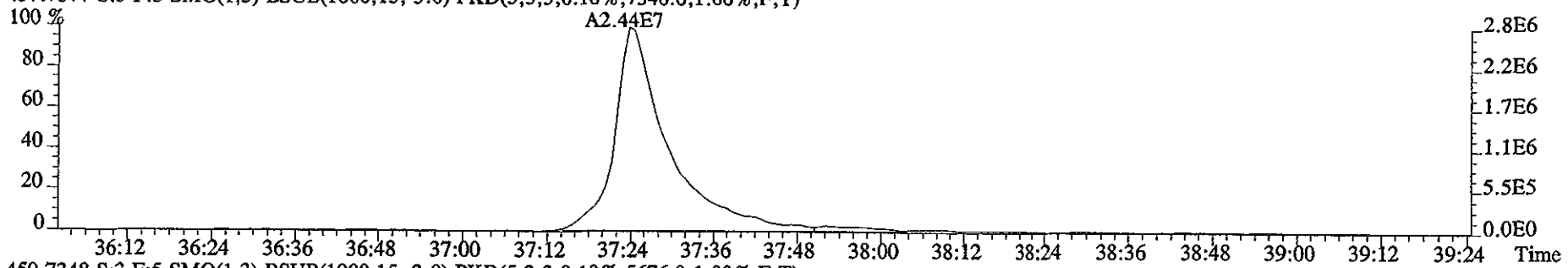
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5908.0,1.00%,F,T)



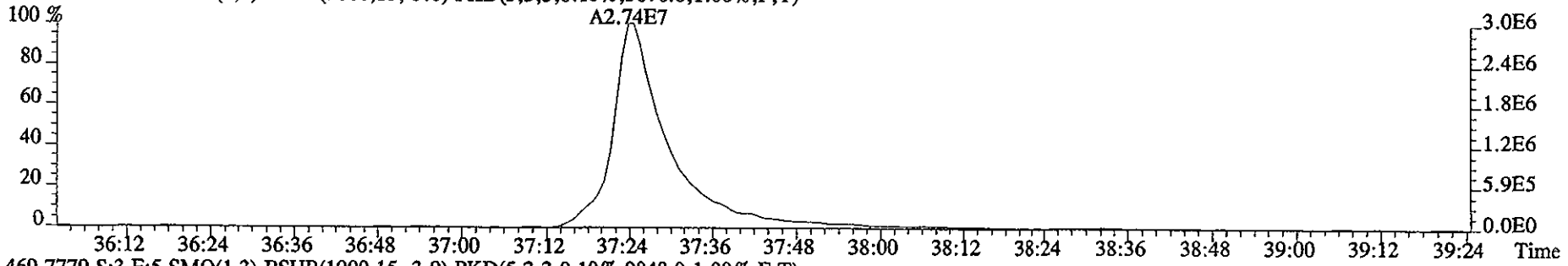
513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,764.0,1.00%,F,T)



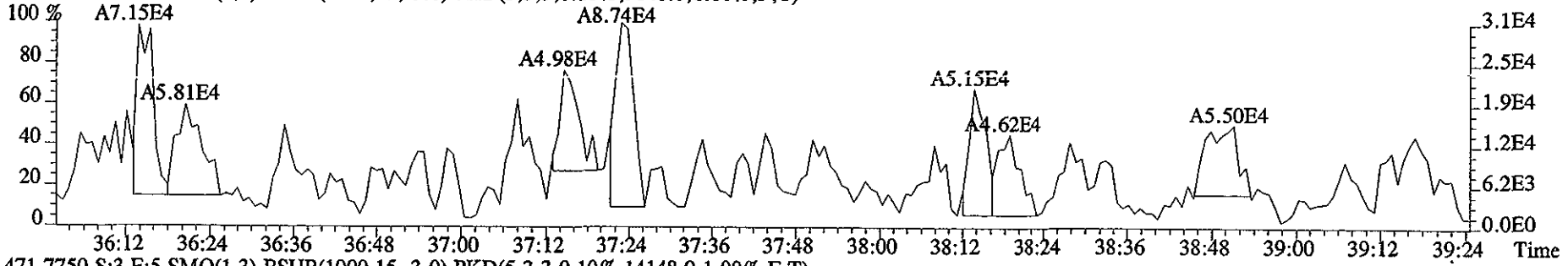
File:26AP10A1D5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)



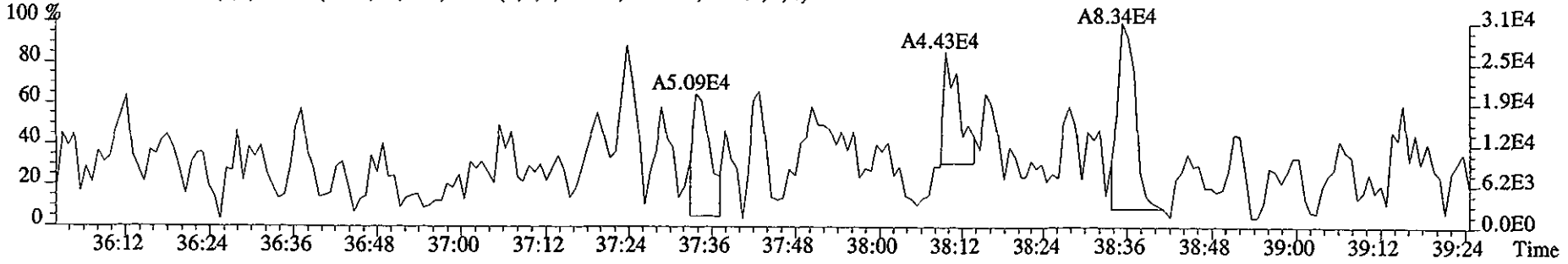
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5676.0,1.00%,F,T)



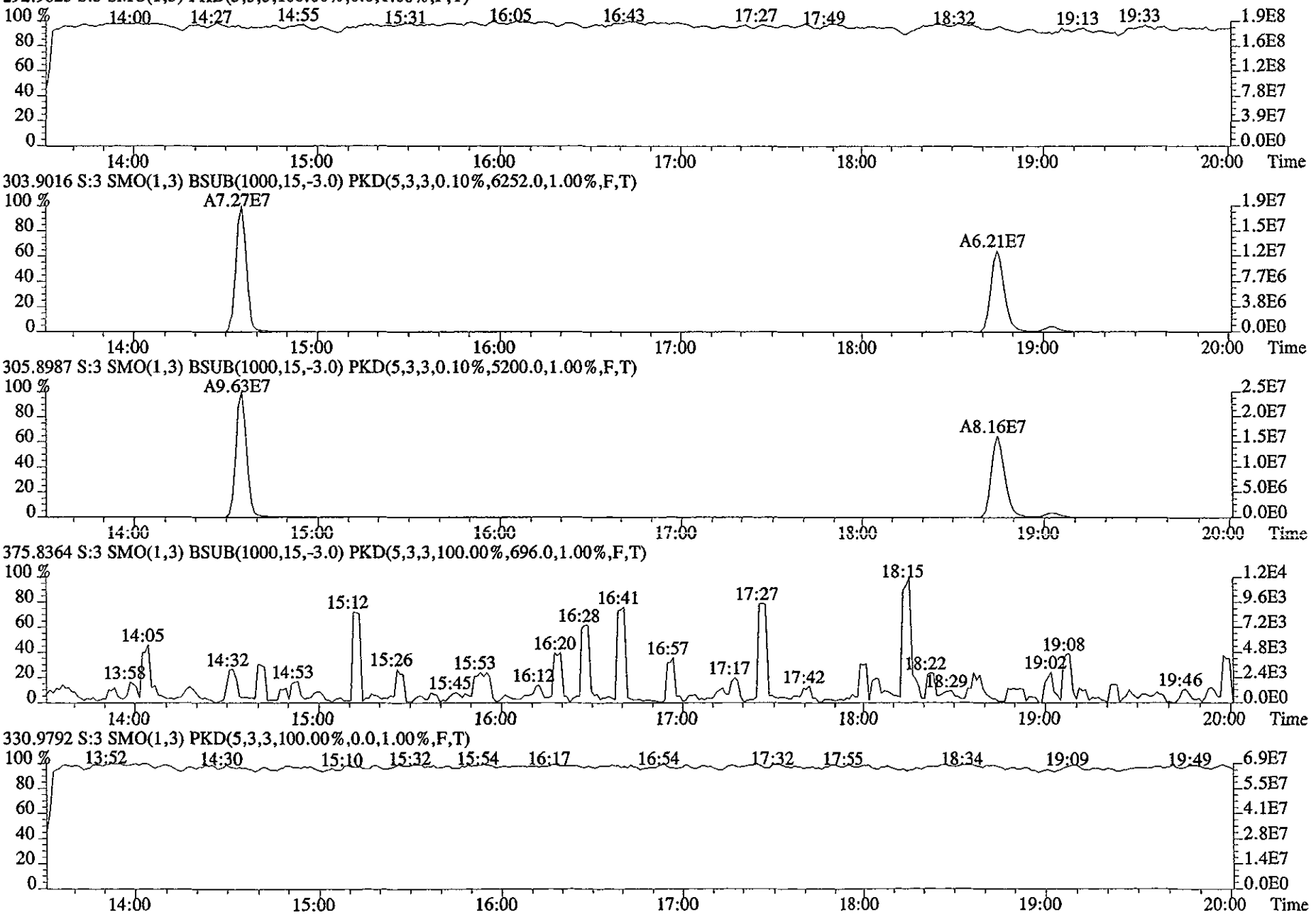
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9848.0,1.00%,F,T)



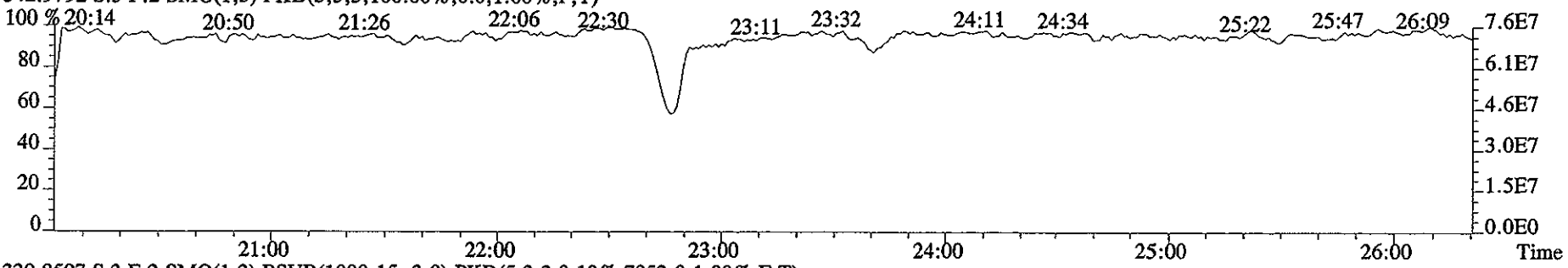
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14148.0,1.00%,F,T)



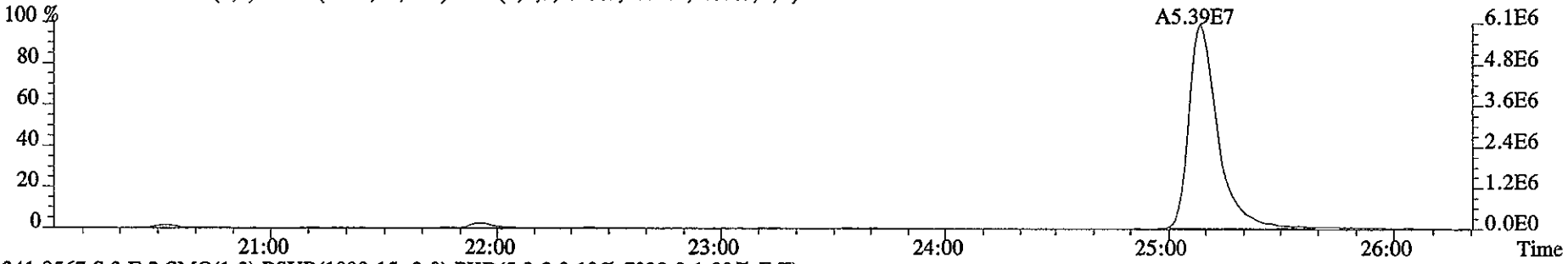
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN



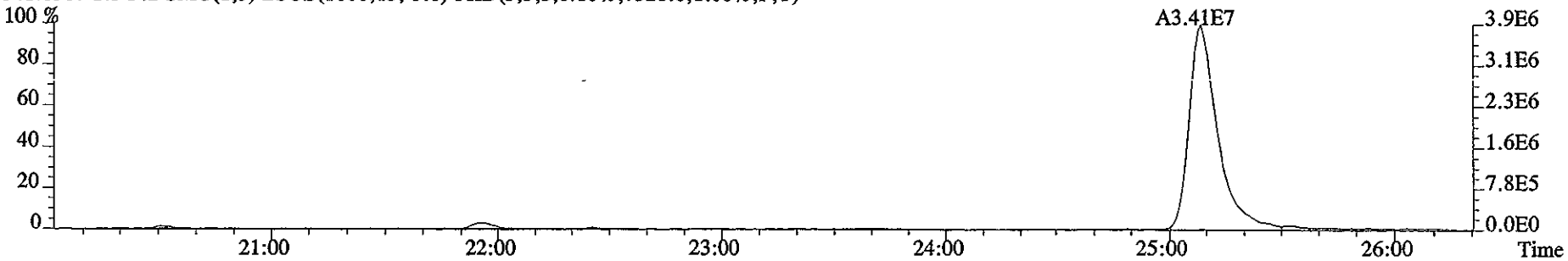
File:26AP10A1D5 #1-444 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



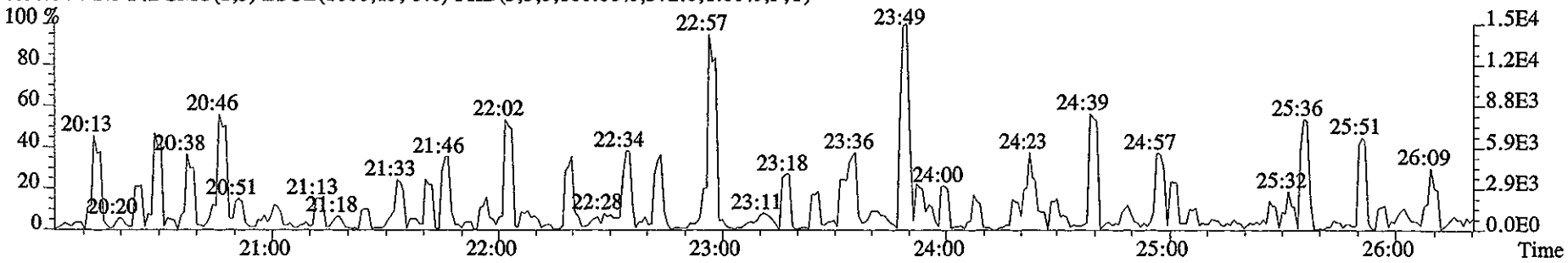
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7852.0,1.00%,F,T)



341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)

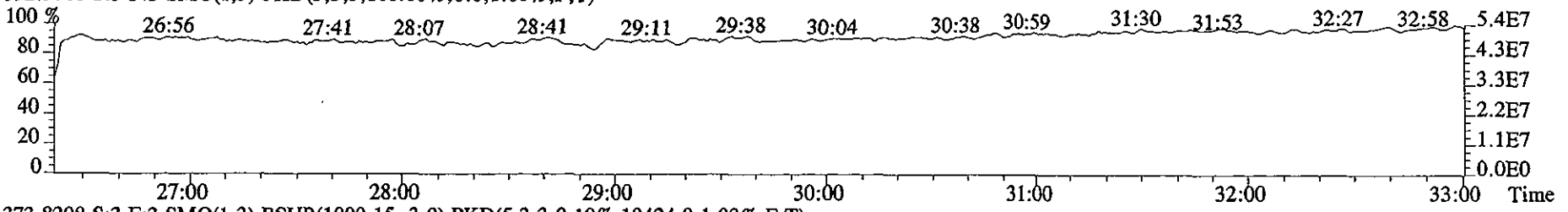


409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,572.0,1.00%,F,T)

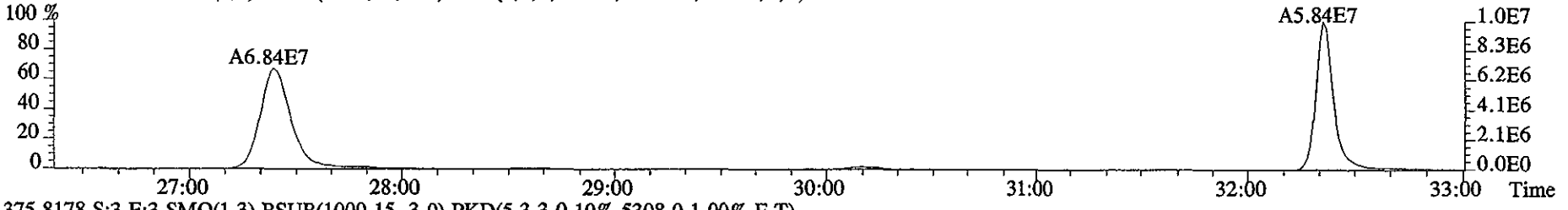


File:26AP10A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

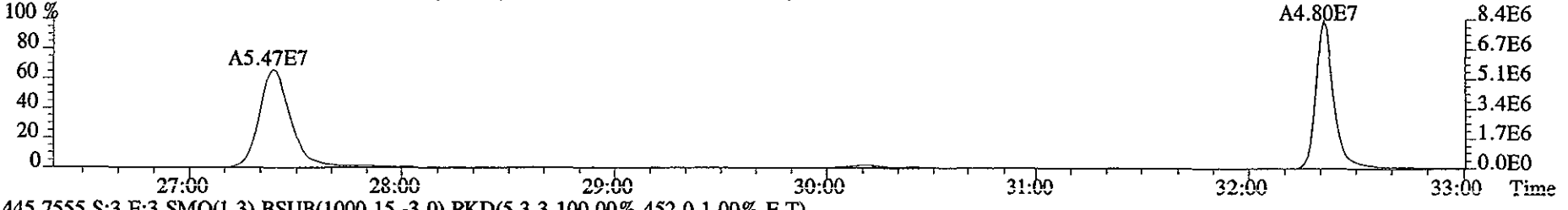
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



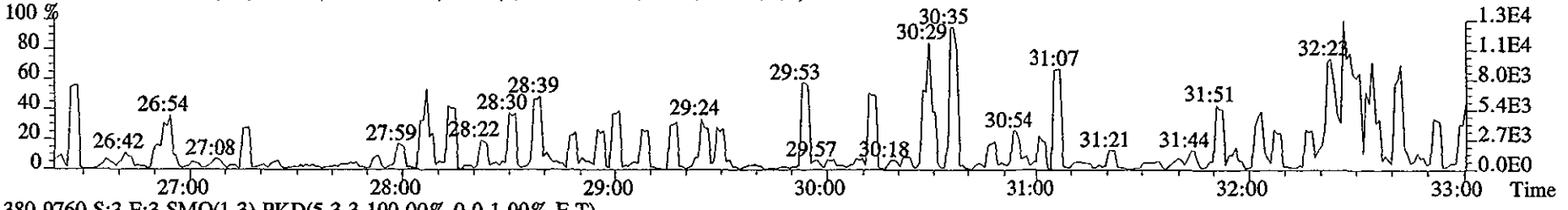
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10424.0,1.00%,F,T)



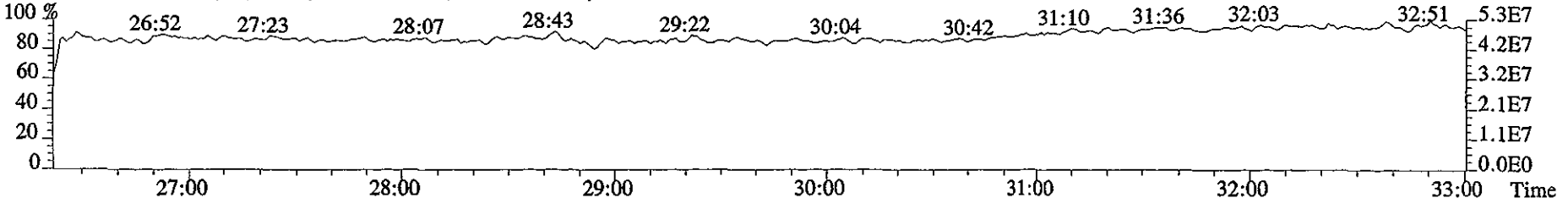
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5308.0,1.00%,F,T)



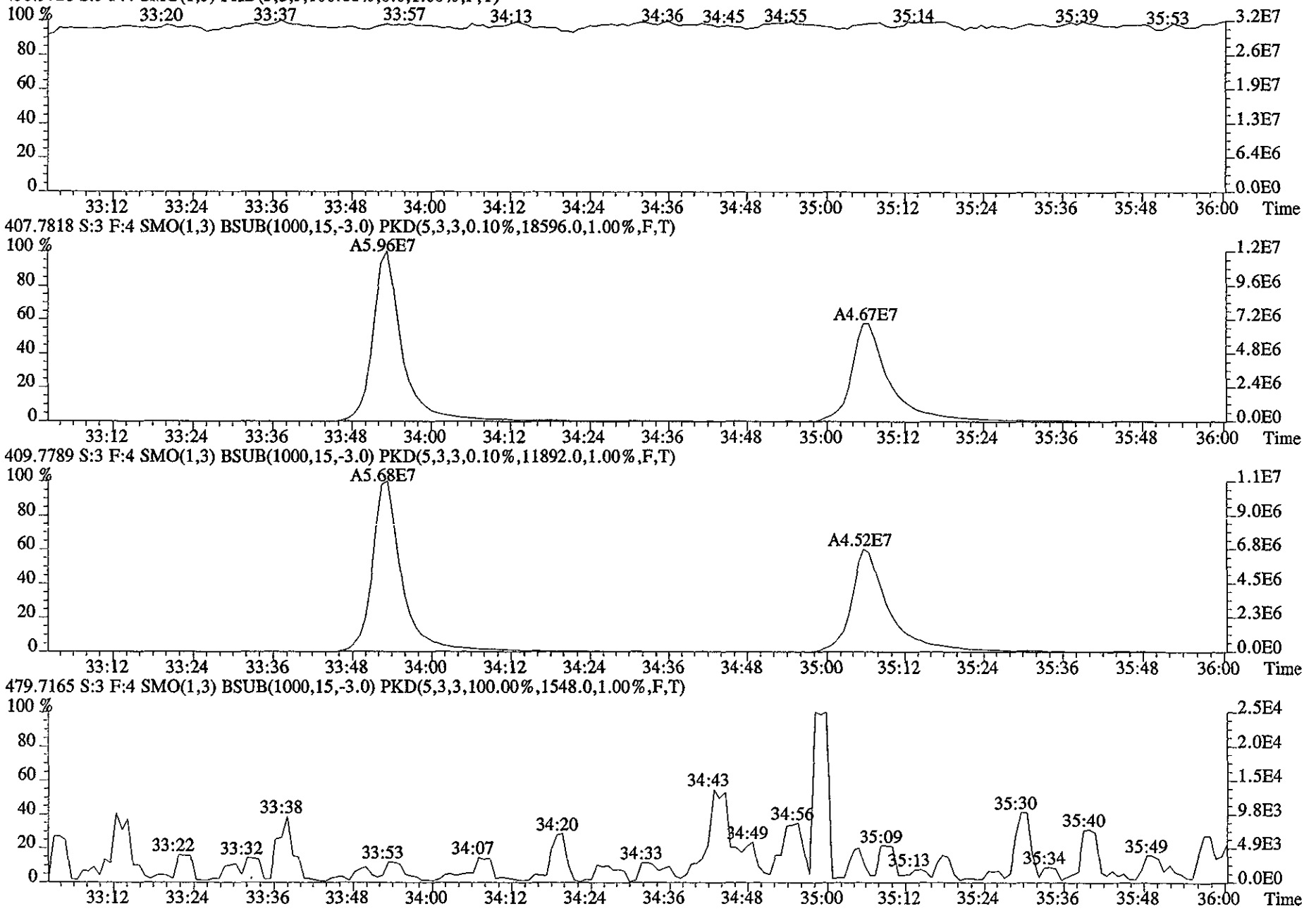
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,452.0,1.00%,F,T)



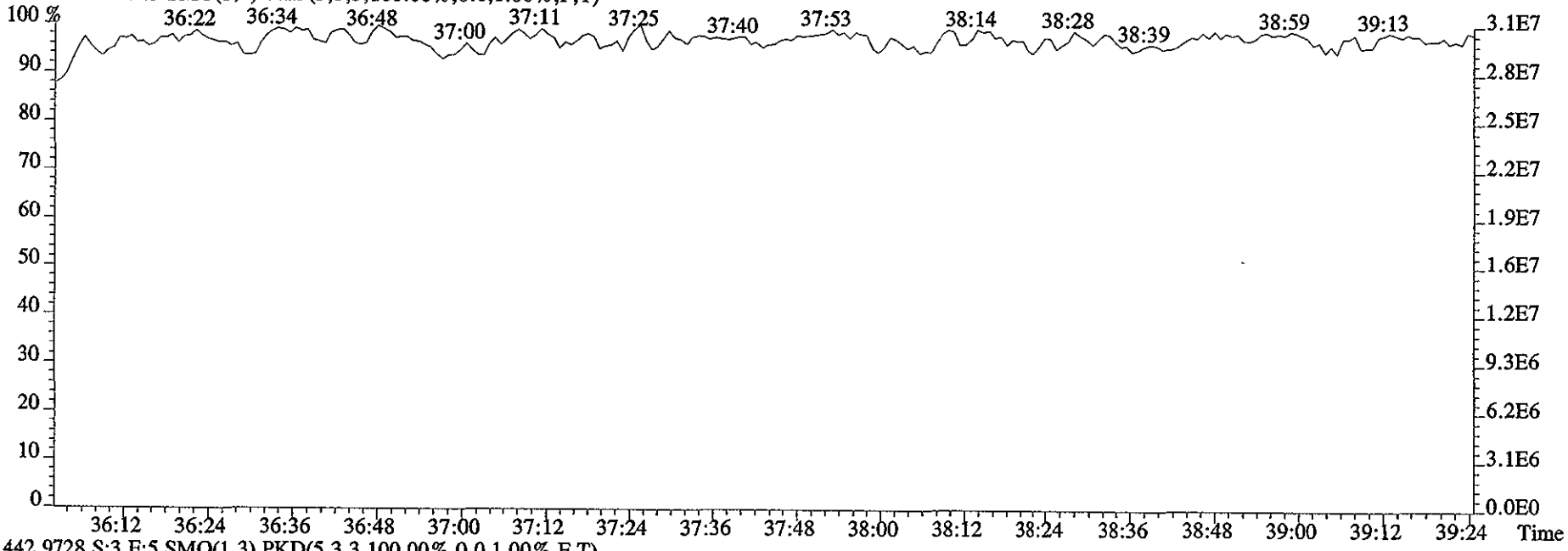
380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



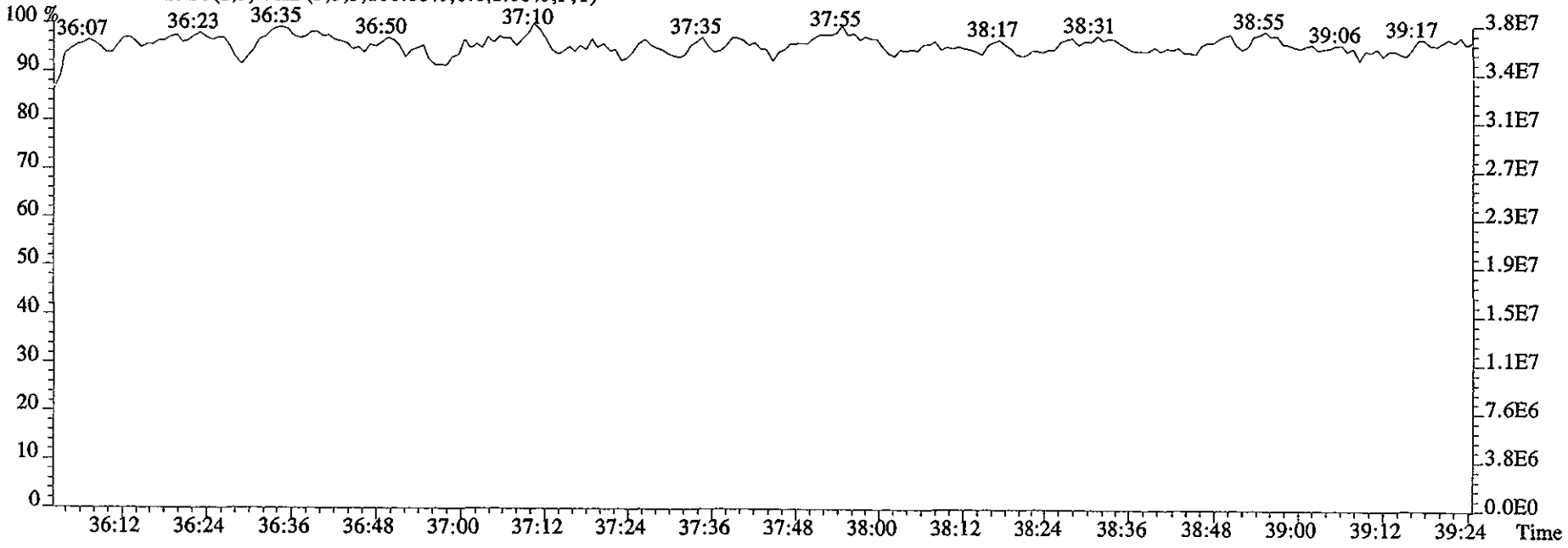
File:26AP10A1D5 #1-210 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN



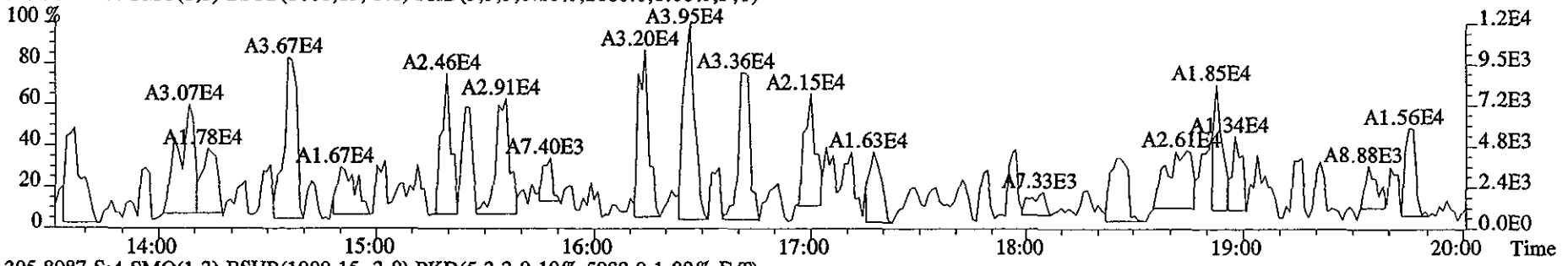
File:26AP10A1D5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



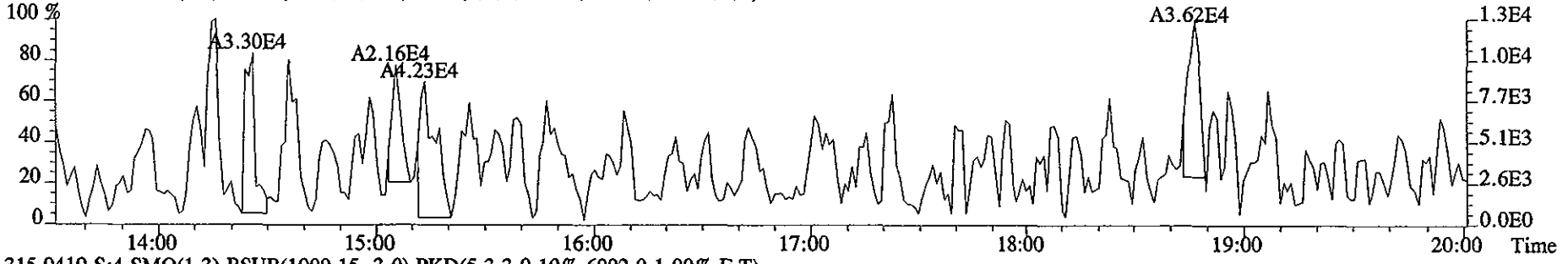
442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



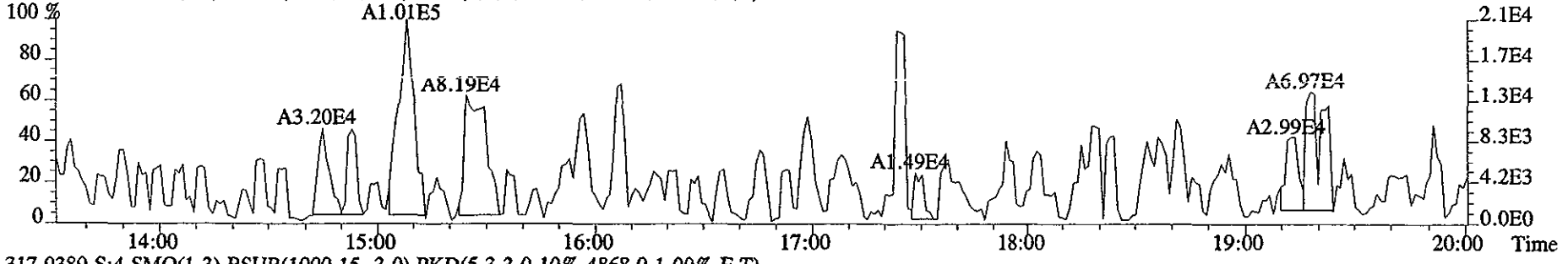
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)



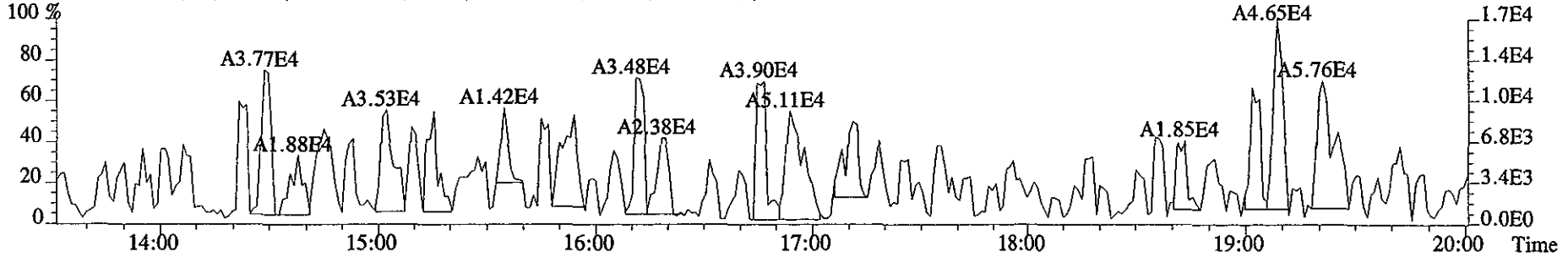
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5988.0,1.00%,F,T)



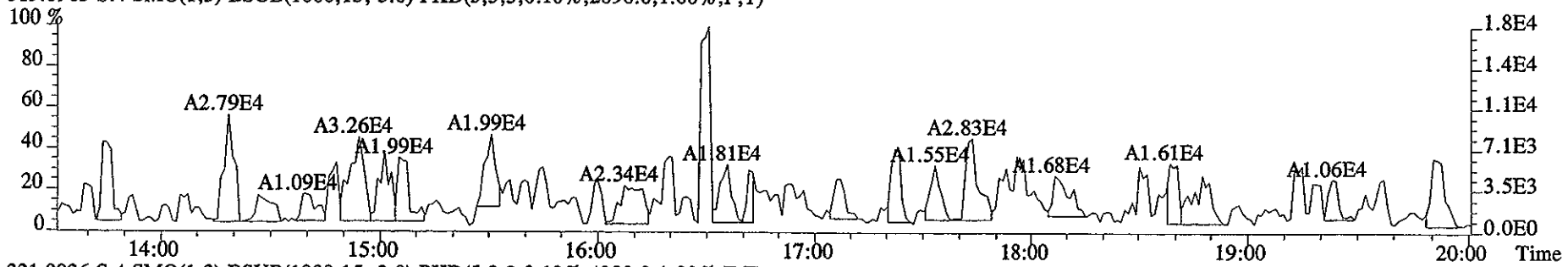
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6092.0,1.00%,F,T)



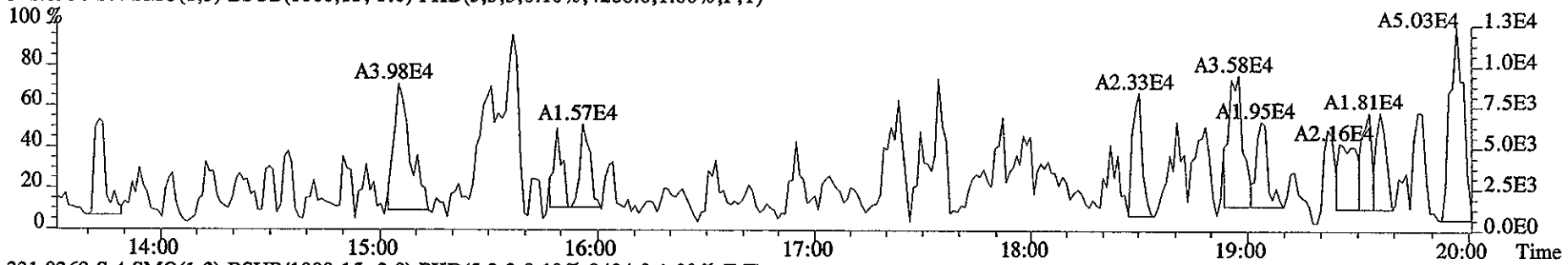
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4868.0,1.00%,F,T)



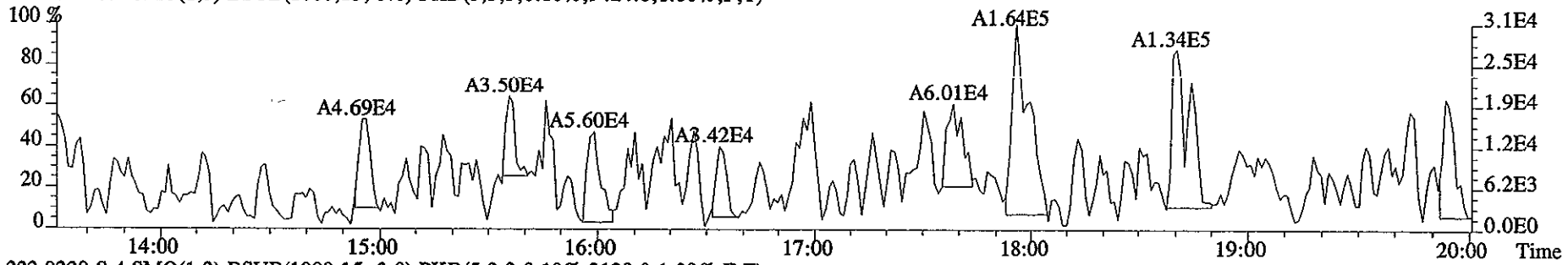
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



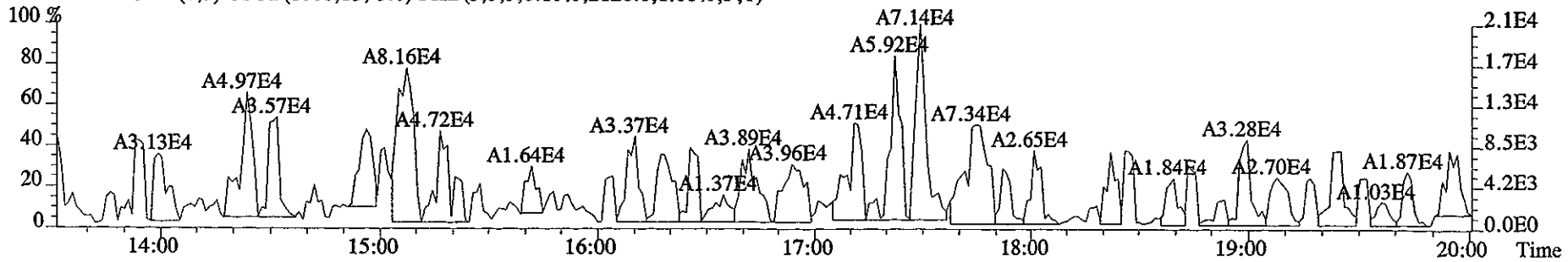
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4208.0,1.00%,F,T)



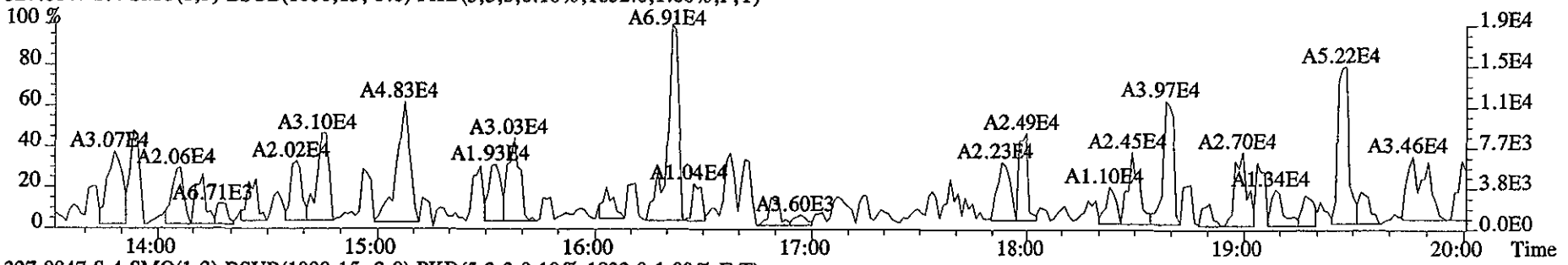
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9424.0,1.00%,F,T)



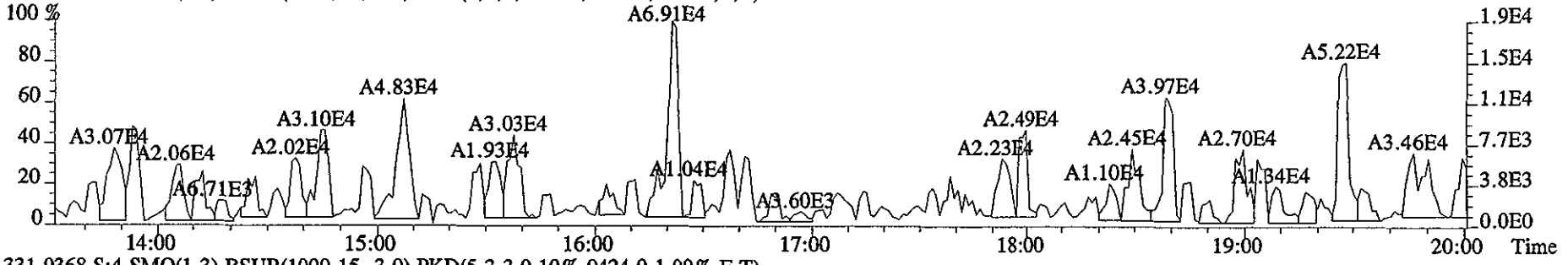
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2128.0,1.00%,F,T)



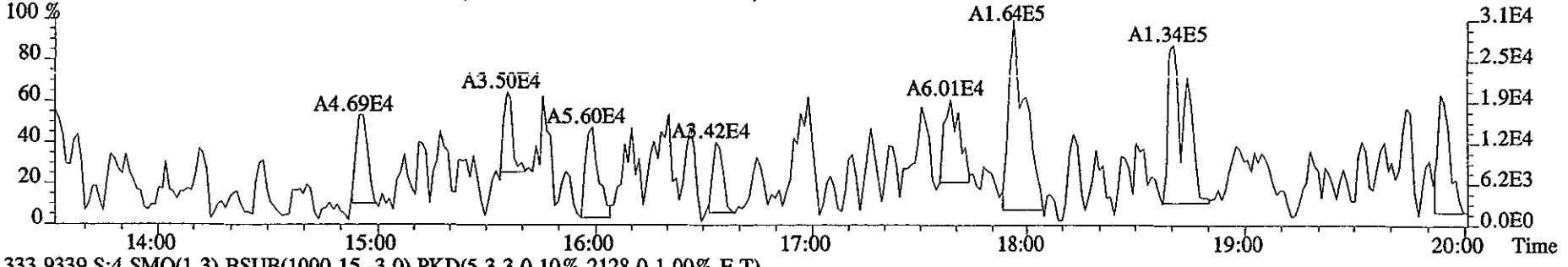
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



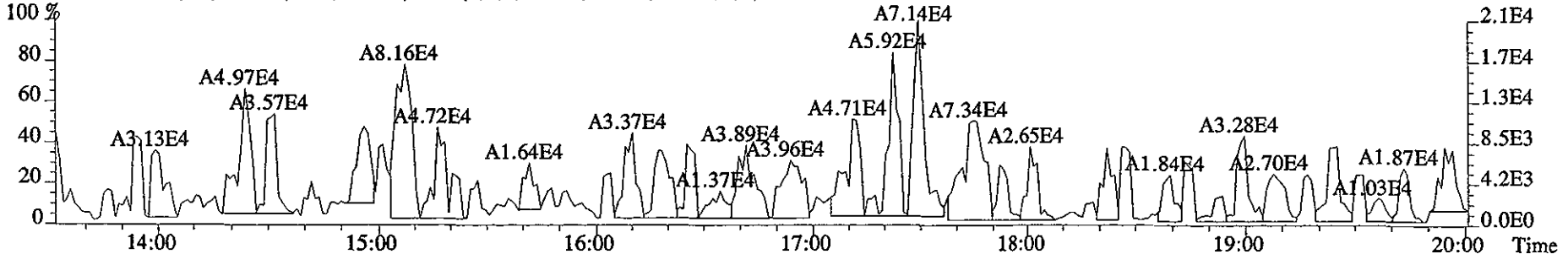
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



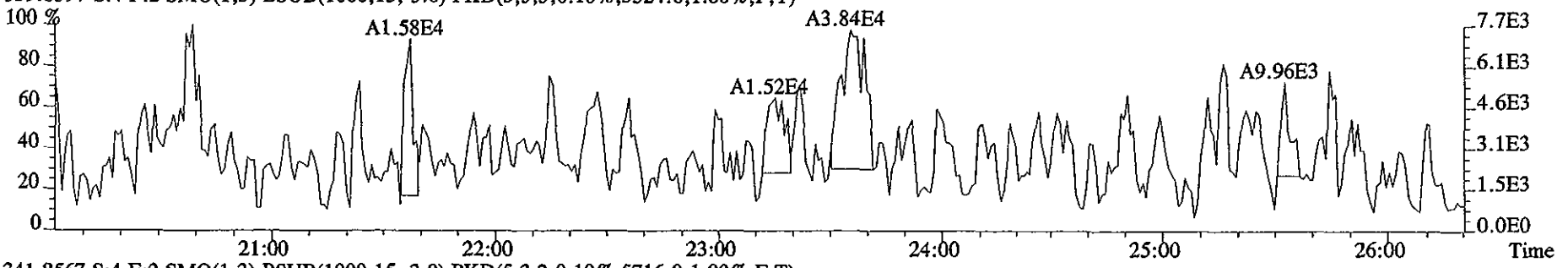
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9424.0,1.00%,F,T)



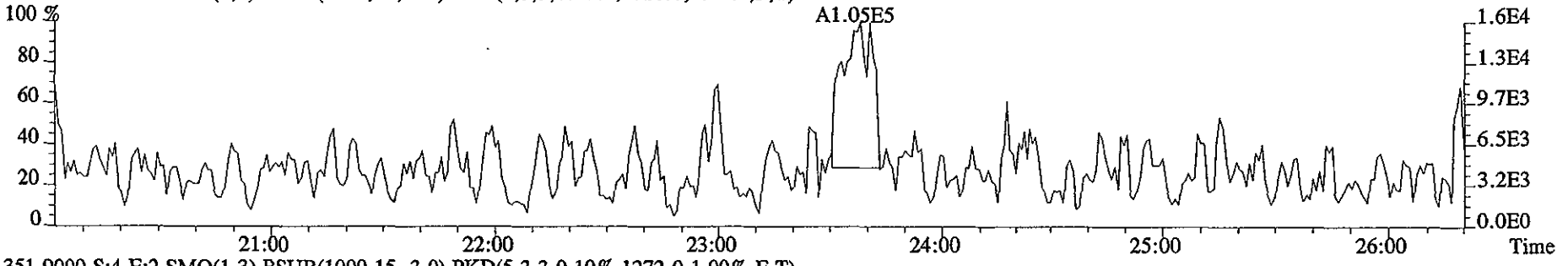
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2128.0,1.00%,F,T)



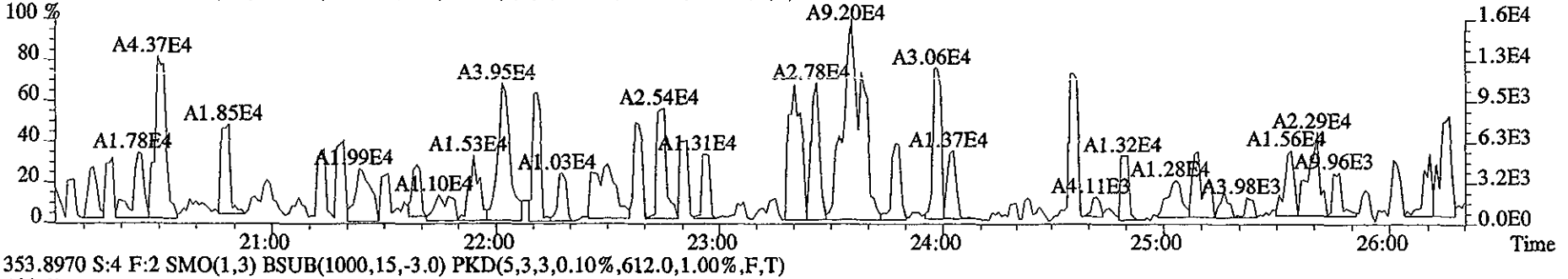
File:26AP10A1D5 #1-444 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



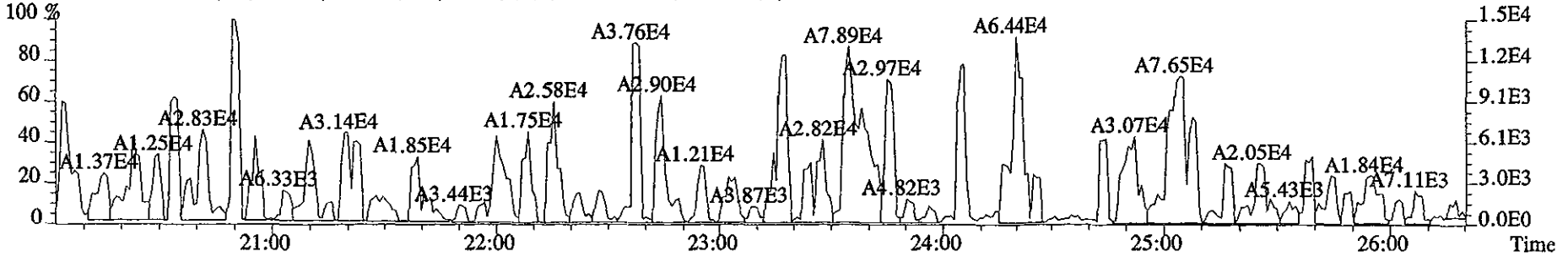
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)



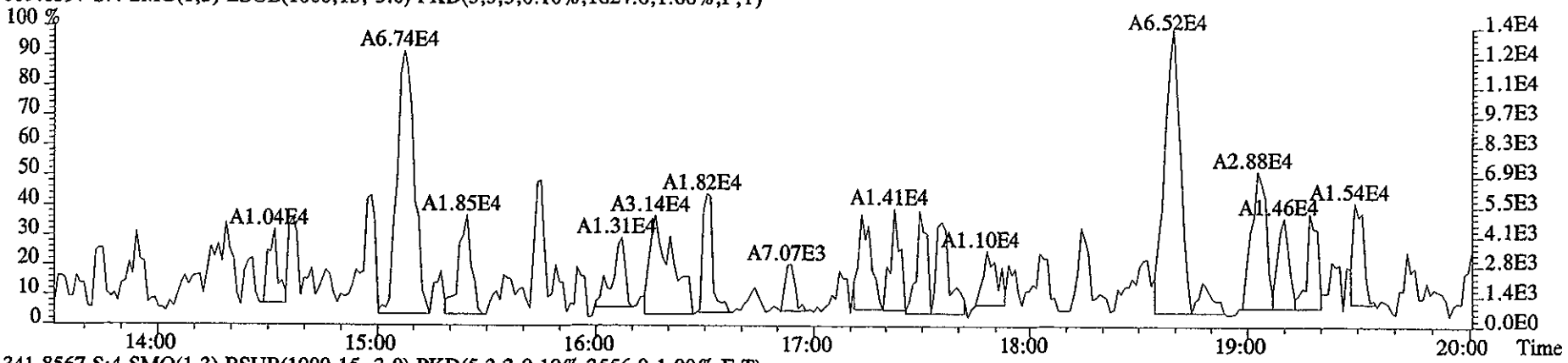
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)



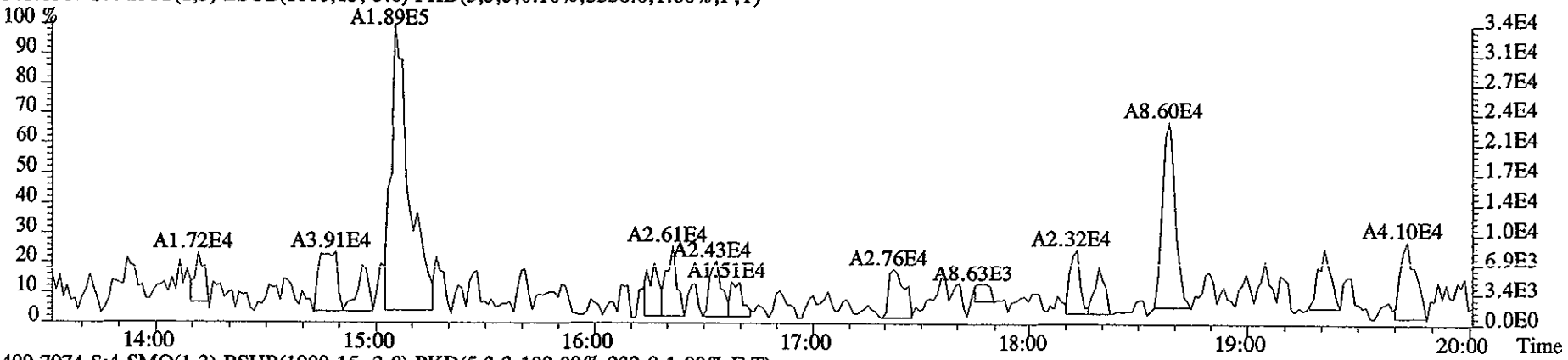
353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



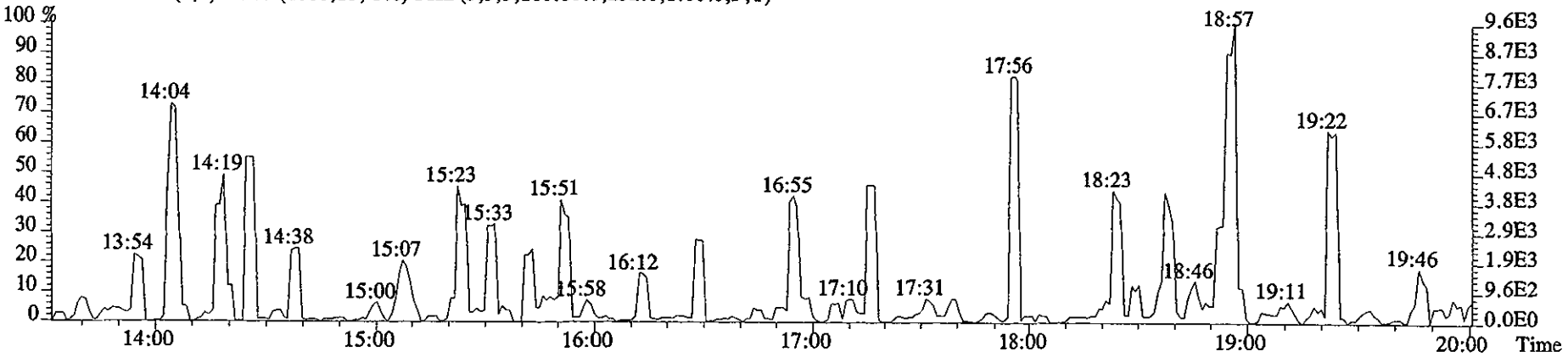
File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
339.8597 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



341.8567 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3556.0,1.00%,F,T)

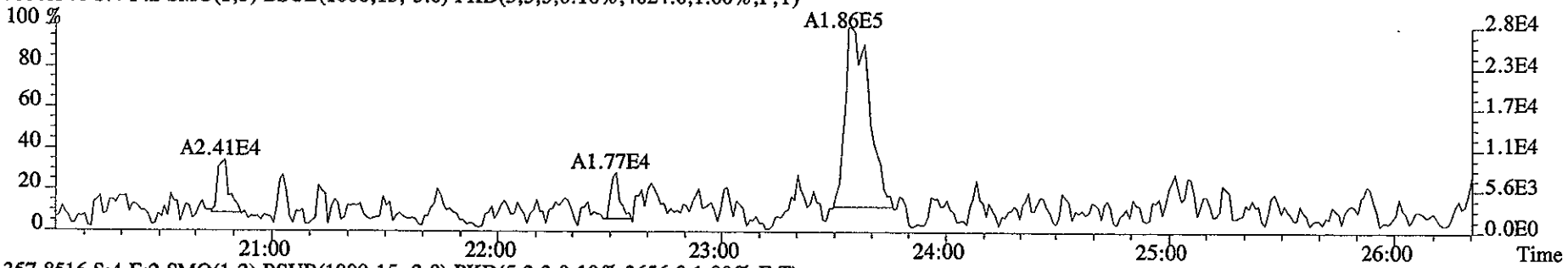


409.7974 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,232.0,1.00%,F,T)

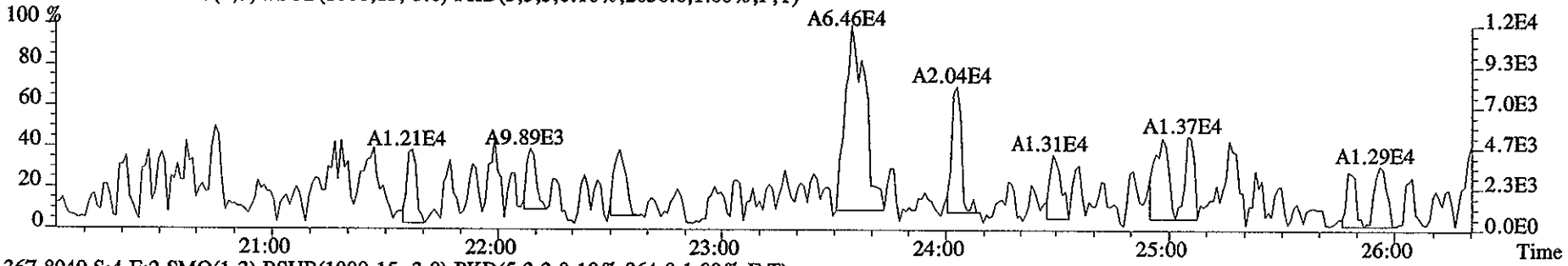


File:26AP10A1D5 #1-444 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

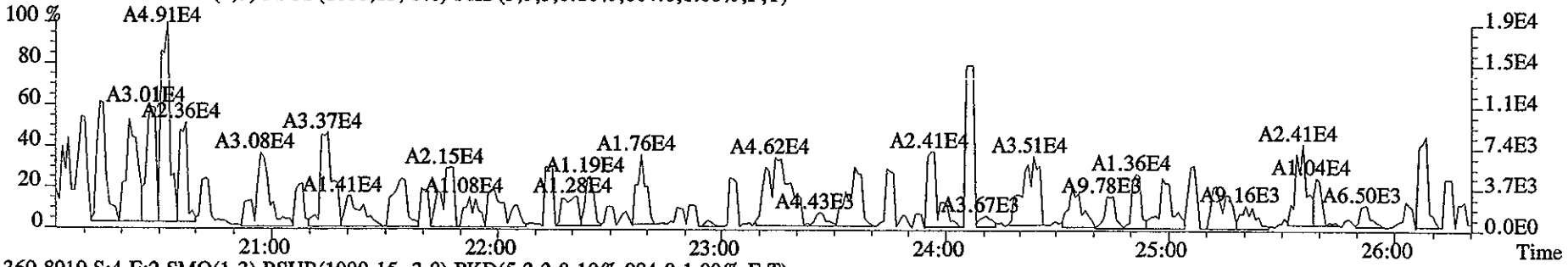
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4024.0,1.00%,F,T)



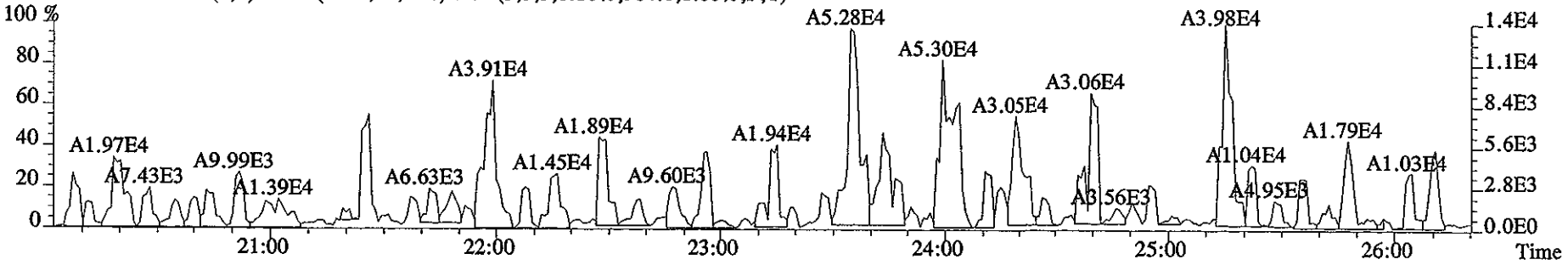
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)

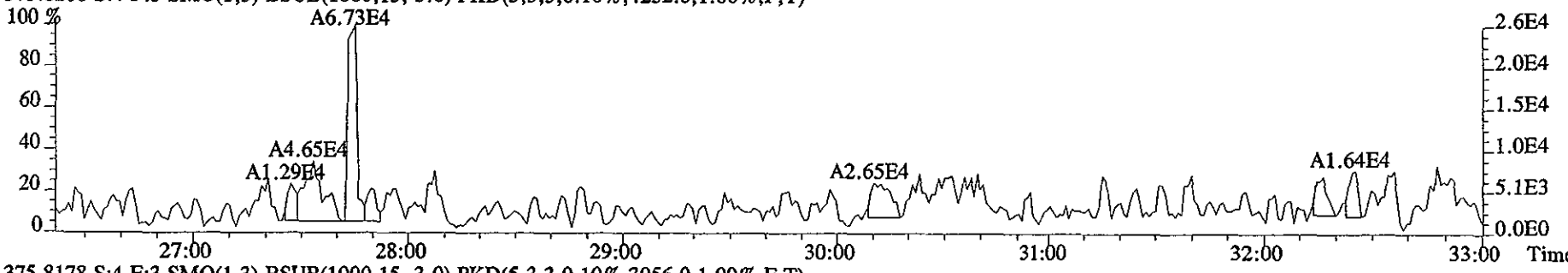


369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,984.0,1.00%,F,T)

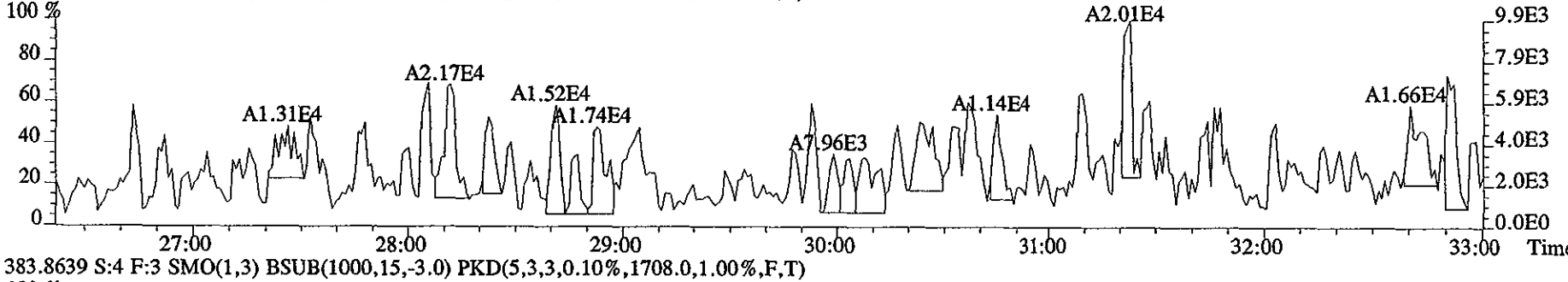


File:26AP10A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

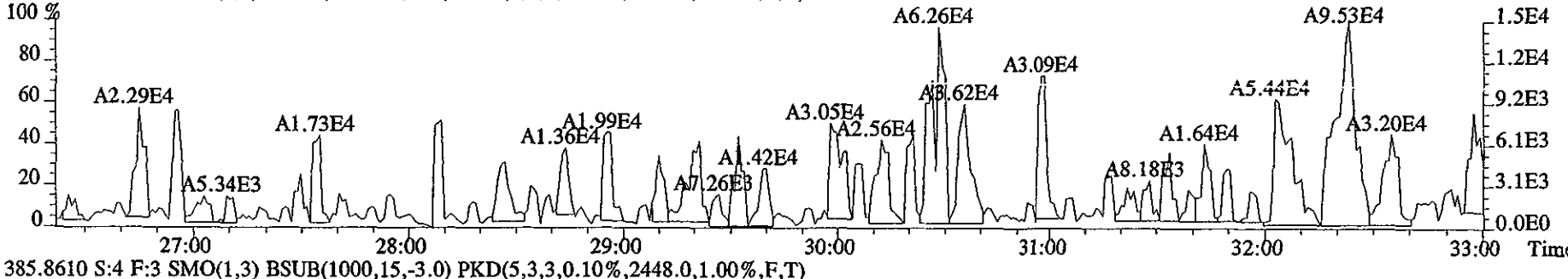
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4252.0,1.00%,F,T)



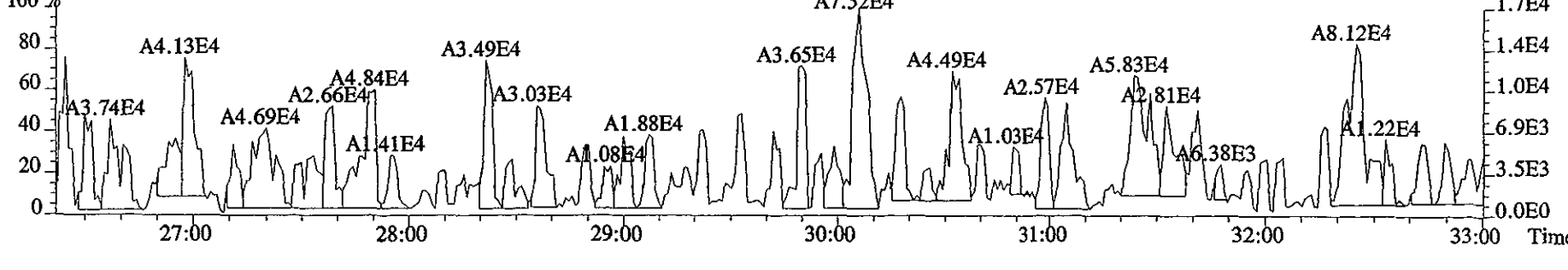
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056.0,1.00%,F,T)



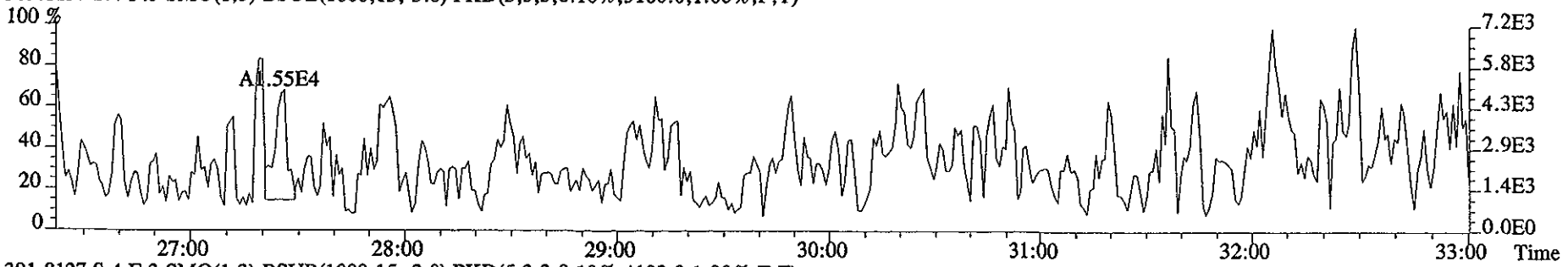
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



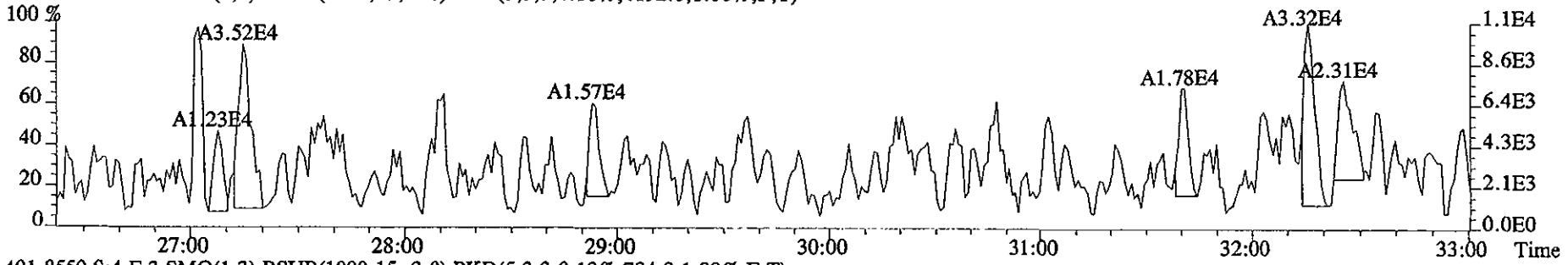
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2448.0,1.00%,F,T)



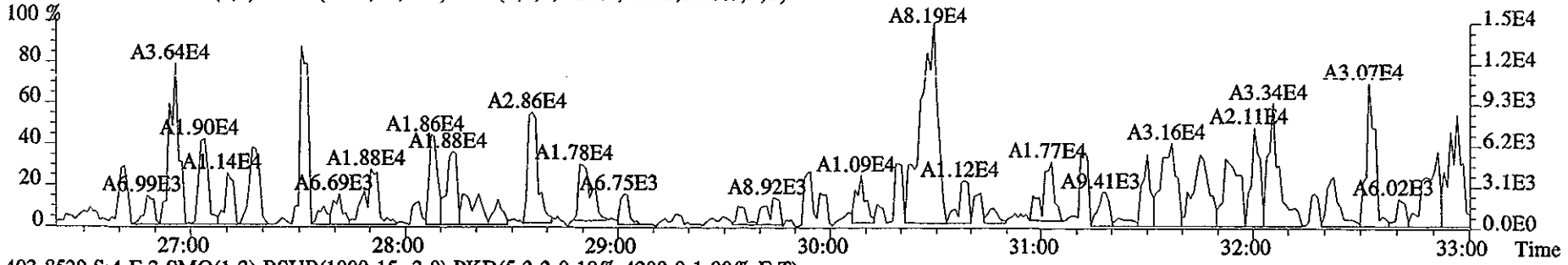
File:26AP10A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3180.0,1.00%,F,T)



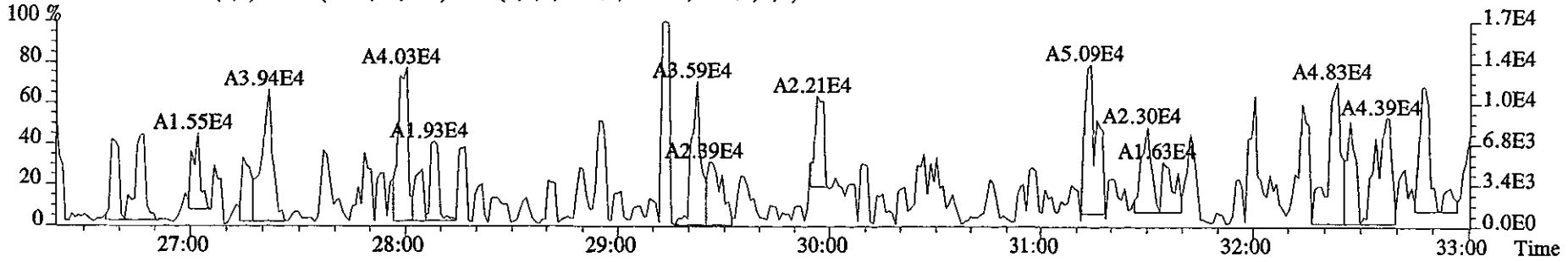
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4192.0,1.00%,F,T)



401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,784.0,1.00%,F,T)

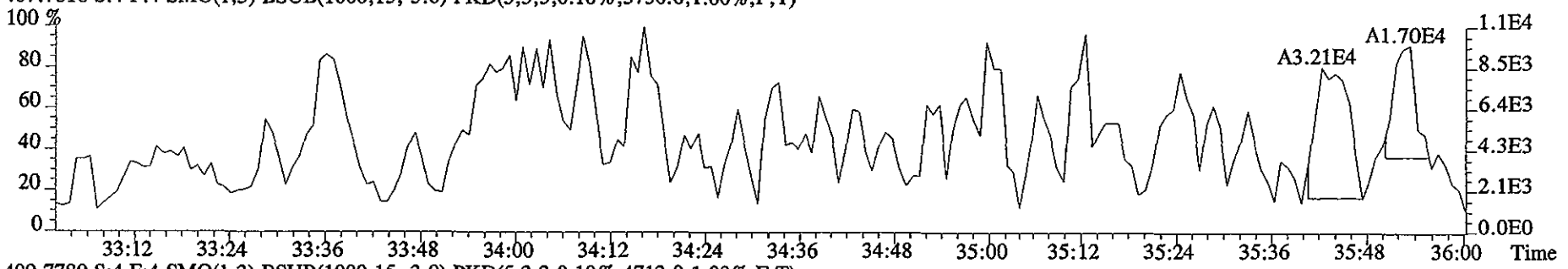


403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4208.0,1.00%,F,T)

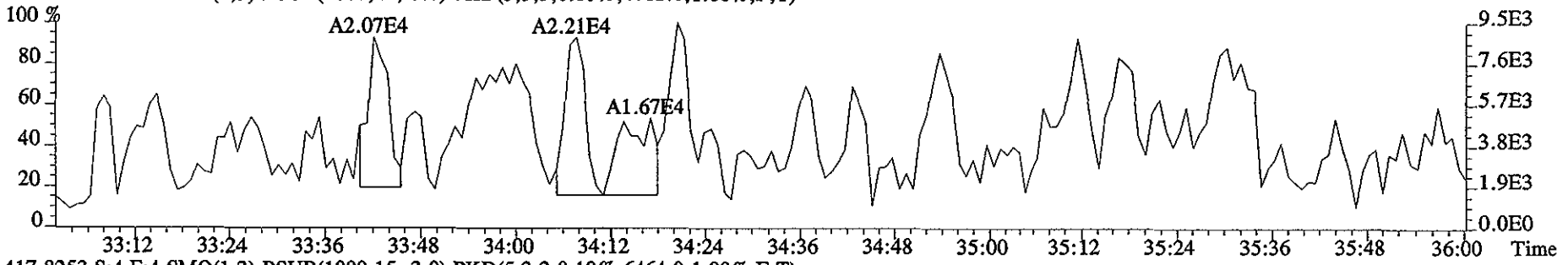


File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

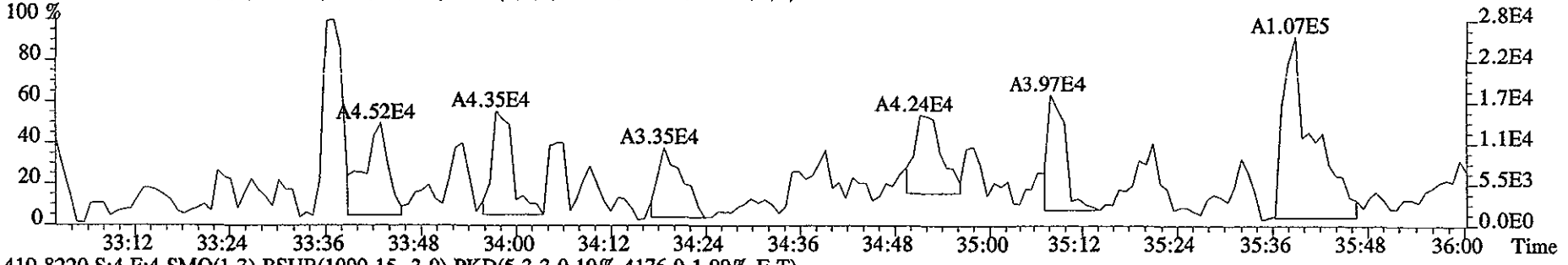
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5736.0,1.00%,F,T)



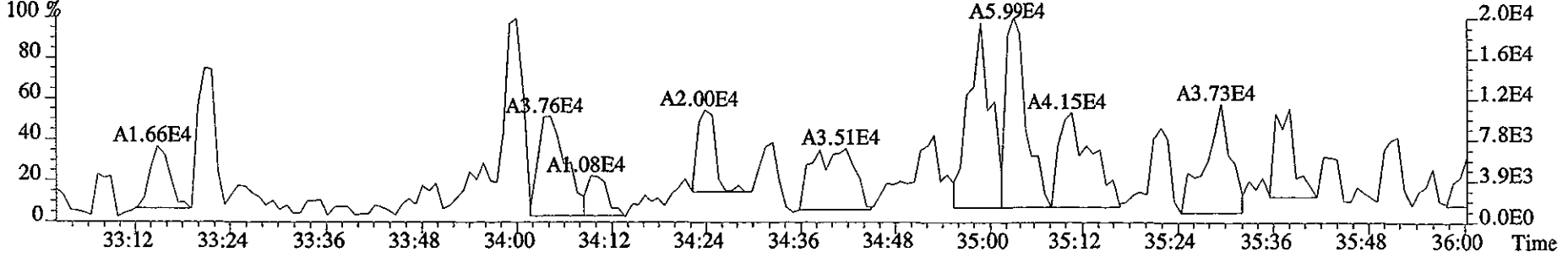
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4712.0,1.00%,F,T)



417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6464.0,1.00%,F,T)

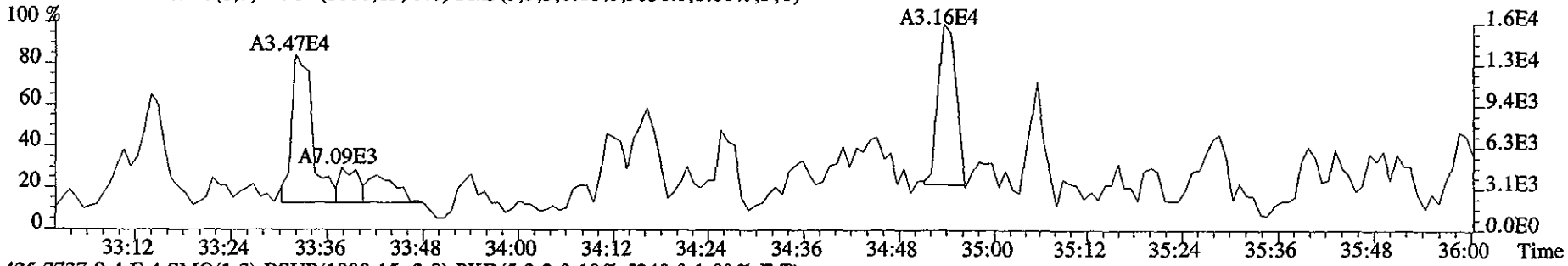


419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)

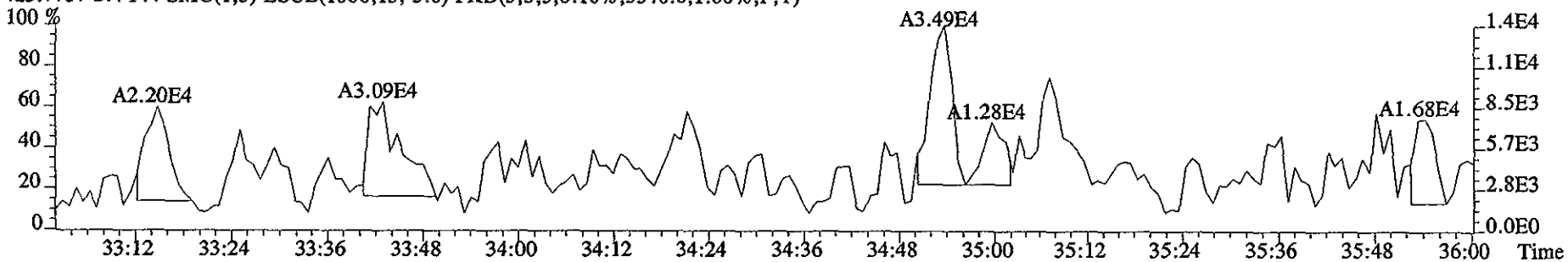


File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

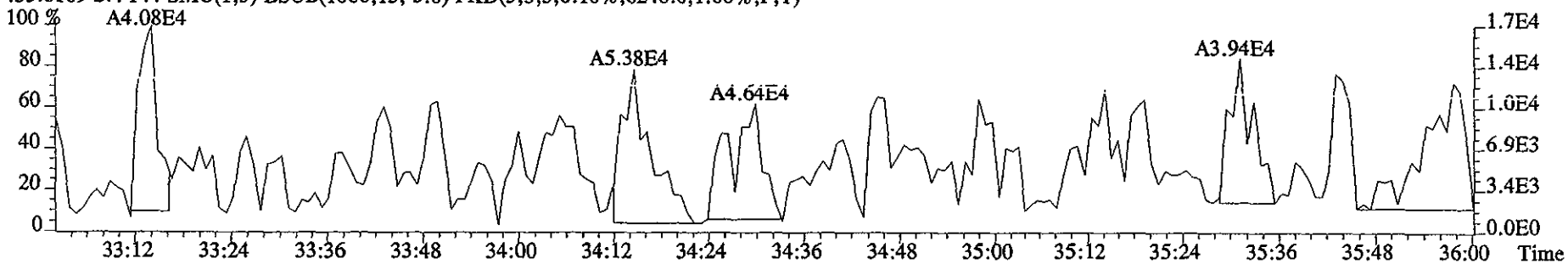
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5056.0,1.00%,F,T)



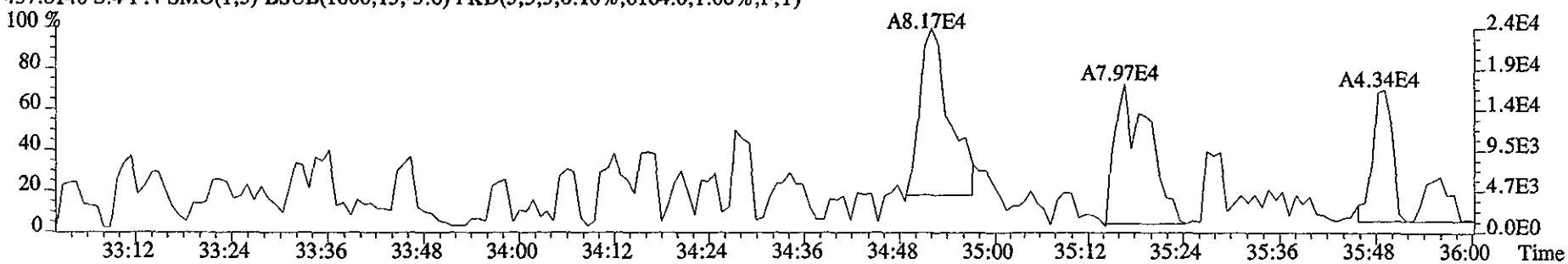
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5340.0,1.00%,F,T)



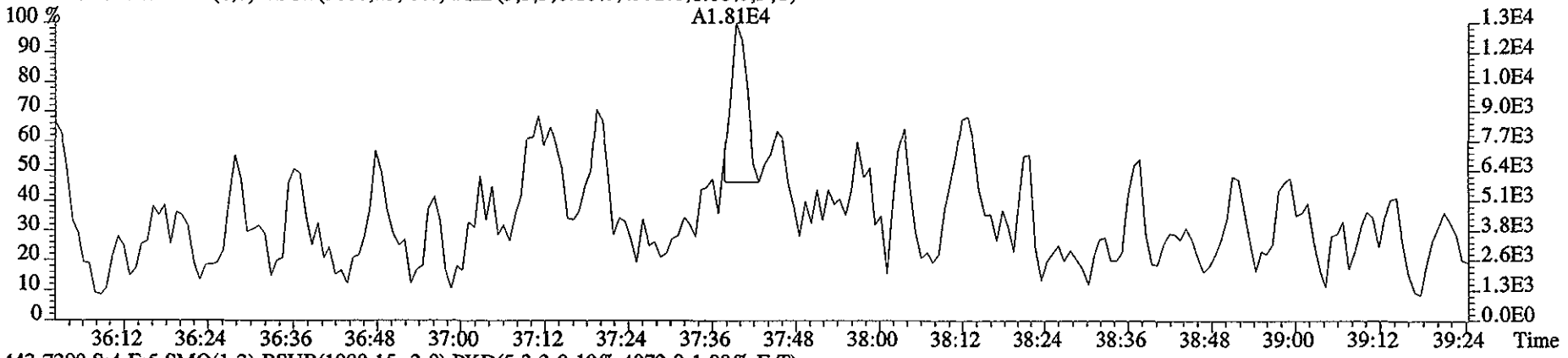
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6248.0,1.00%,F,T)



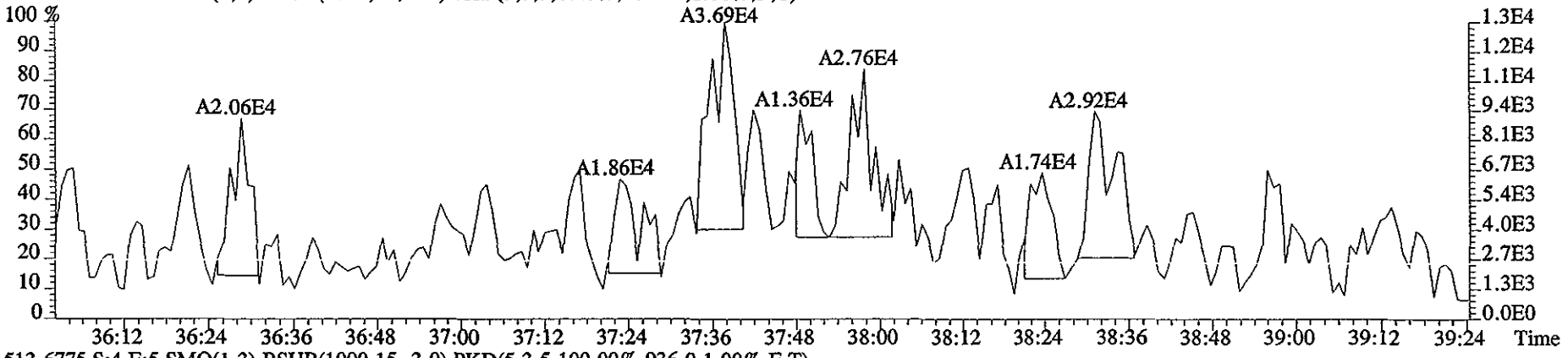
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6164.0,1.00%,F,T)



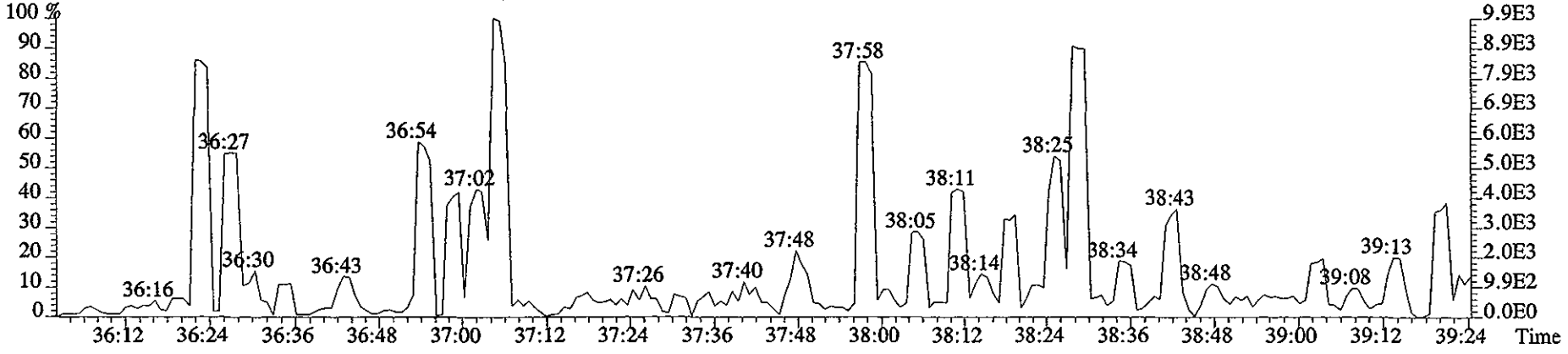
File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)



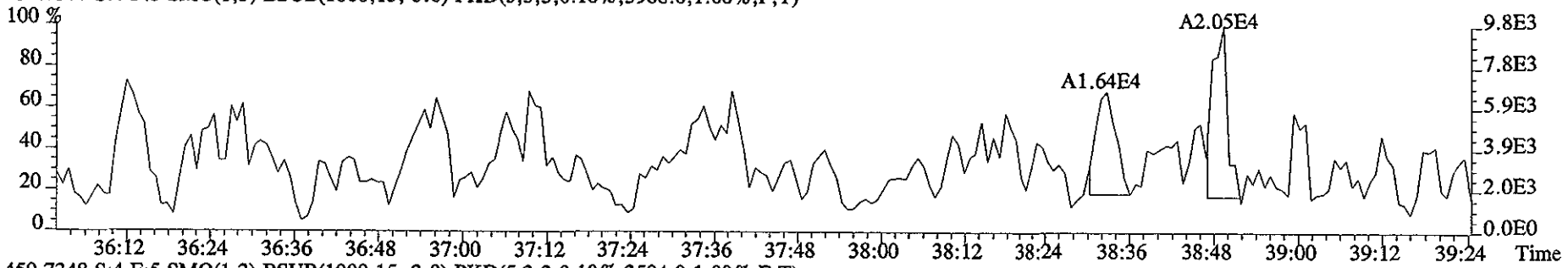
443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4072.0,1.00%,F,T)



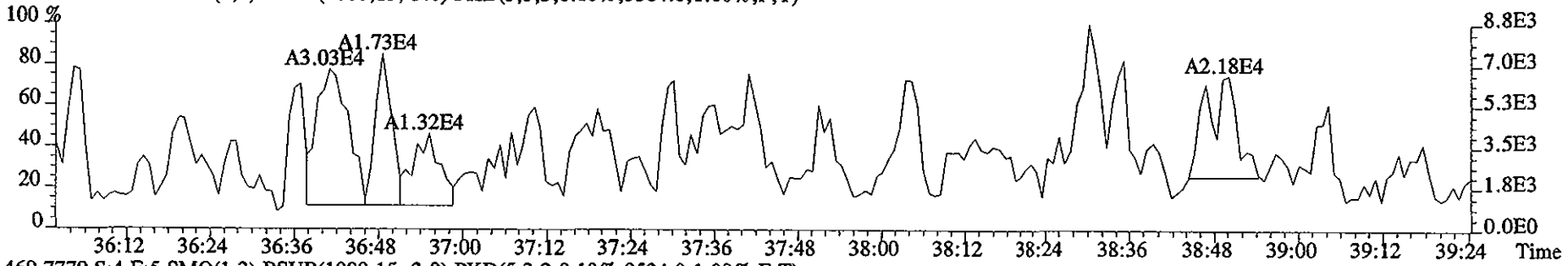
513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,936.0,1.00%,F,T)



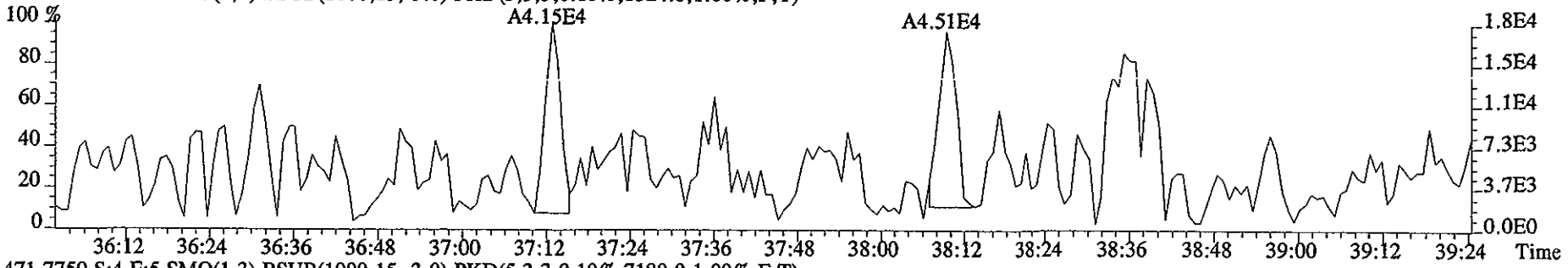
File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)



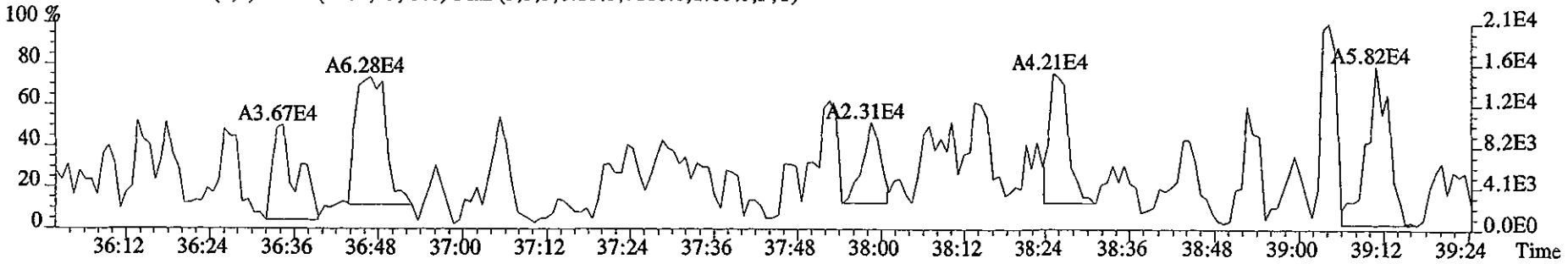
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3504.0,1.00%,F,T)



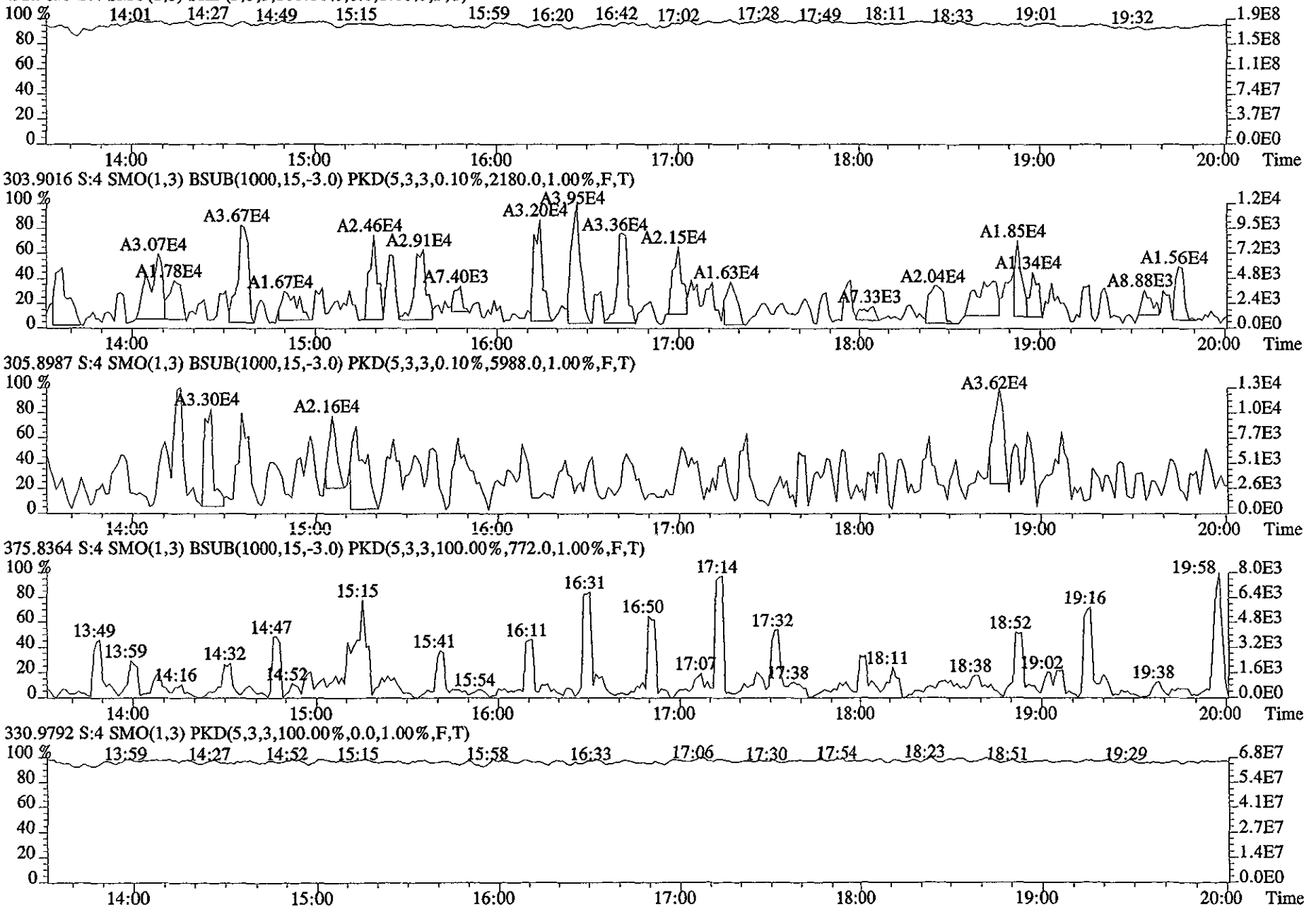
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8524.0,1.00%,F,T)

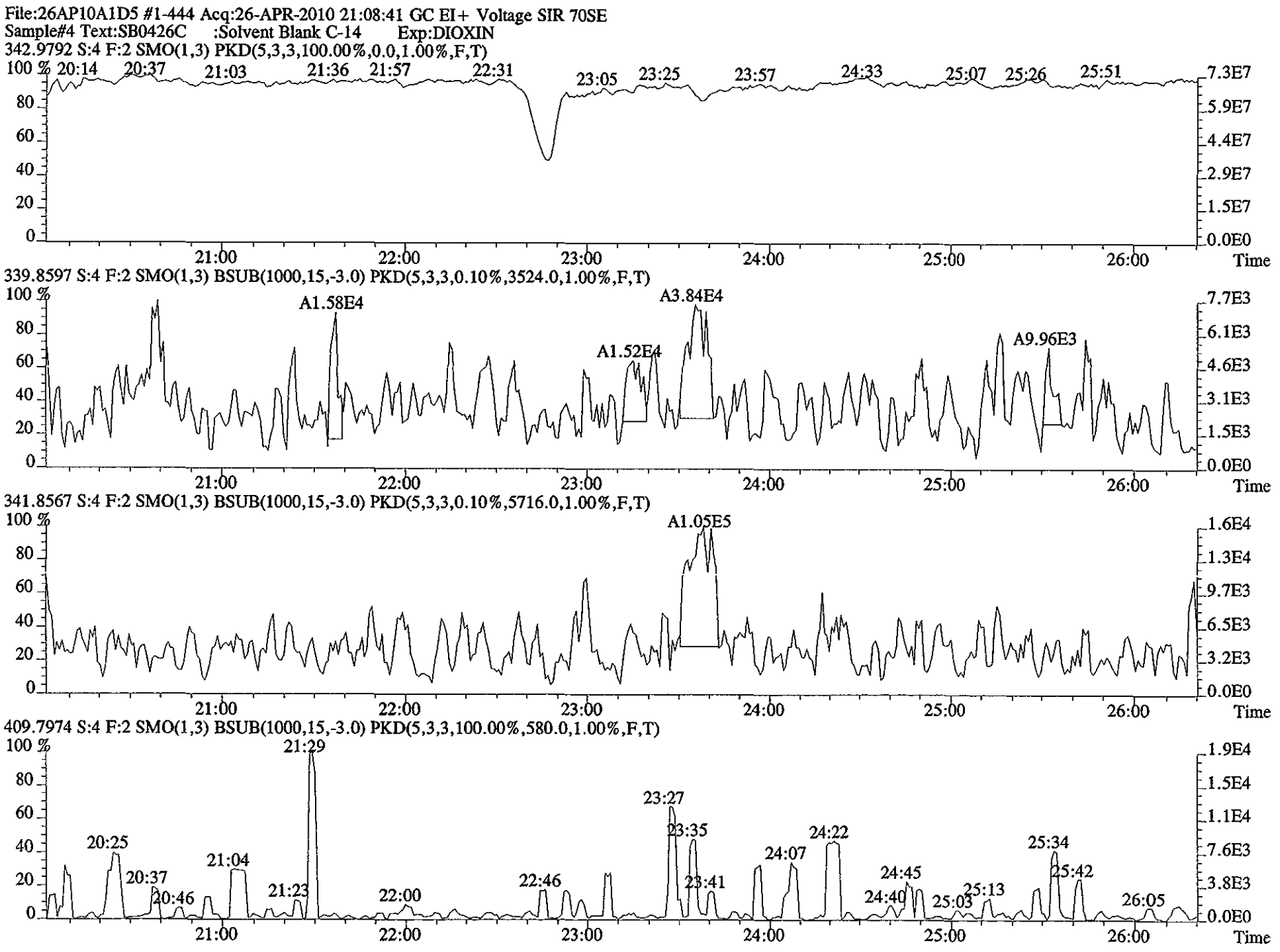


471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7180.0,1.00%,F,T)

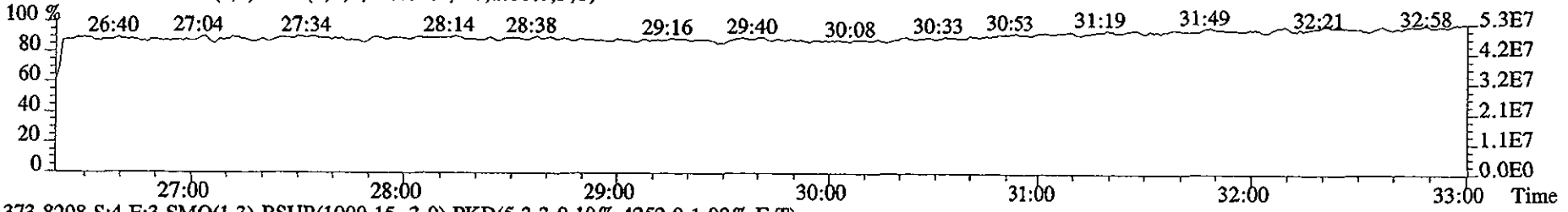


File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

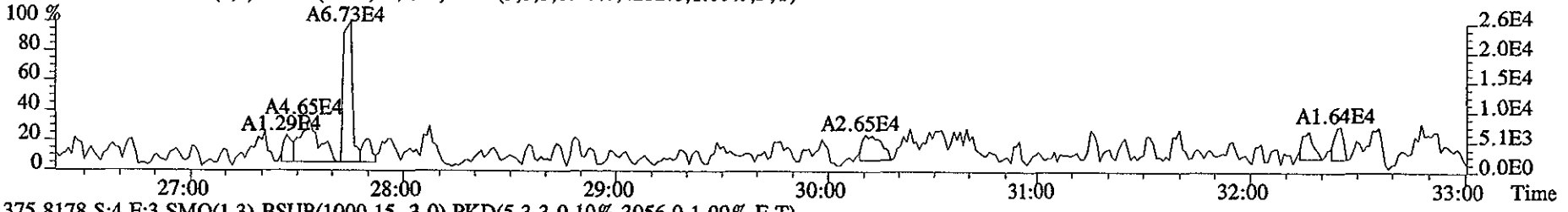




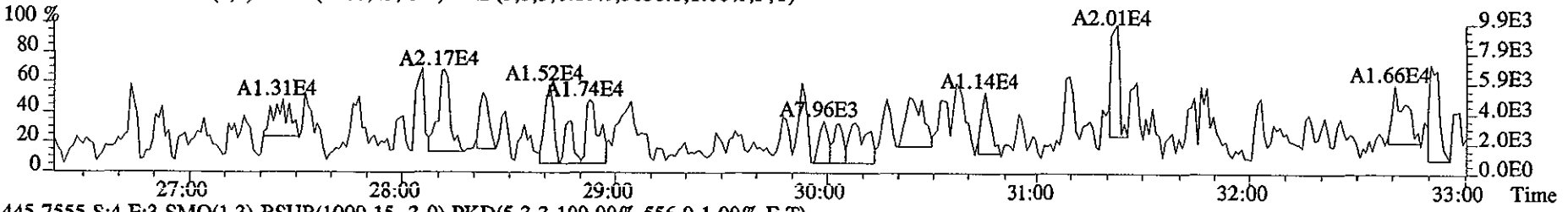
File:26AP10A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



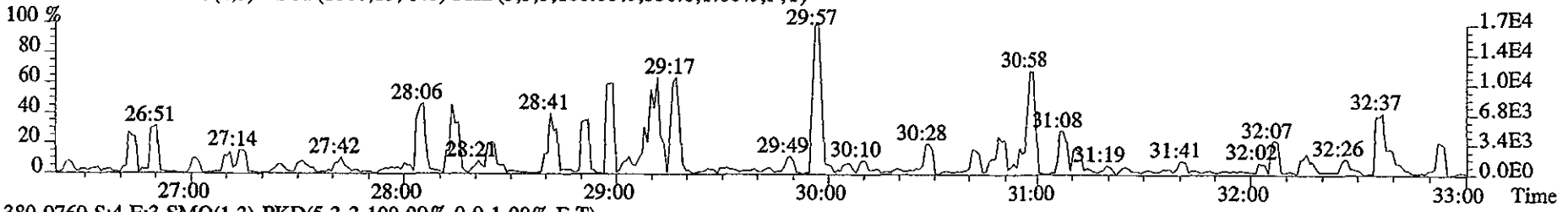
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4252.0,1.00%,F,T)



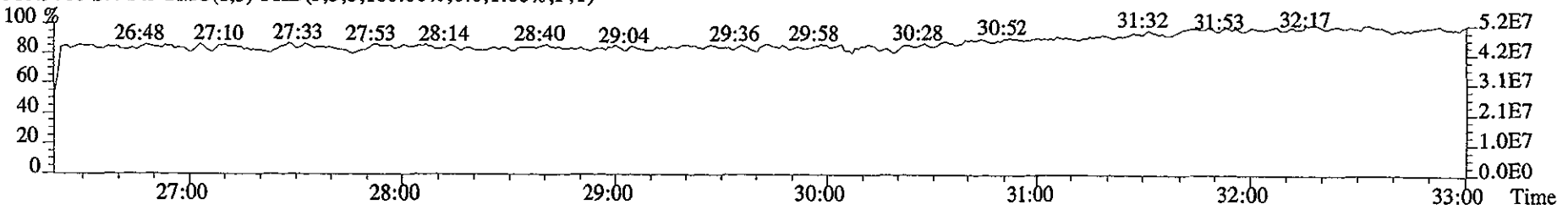
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056.0,1.00%,F,T)



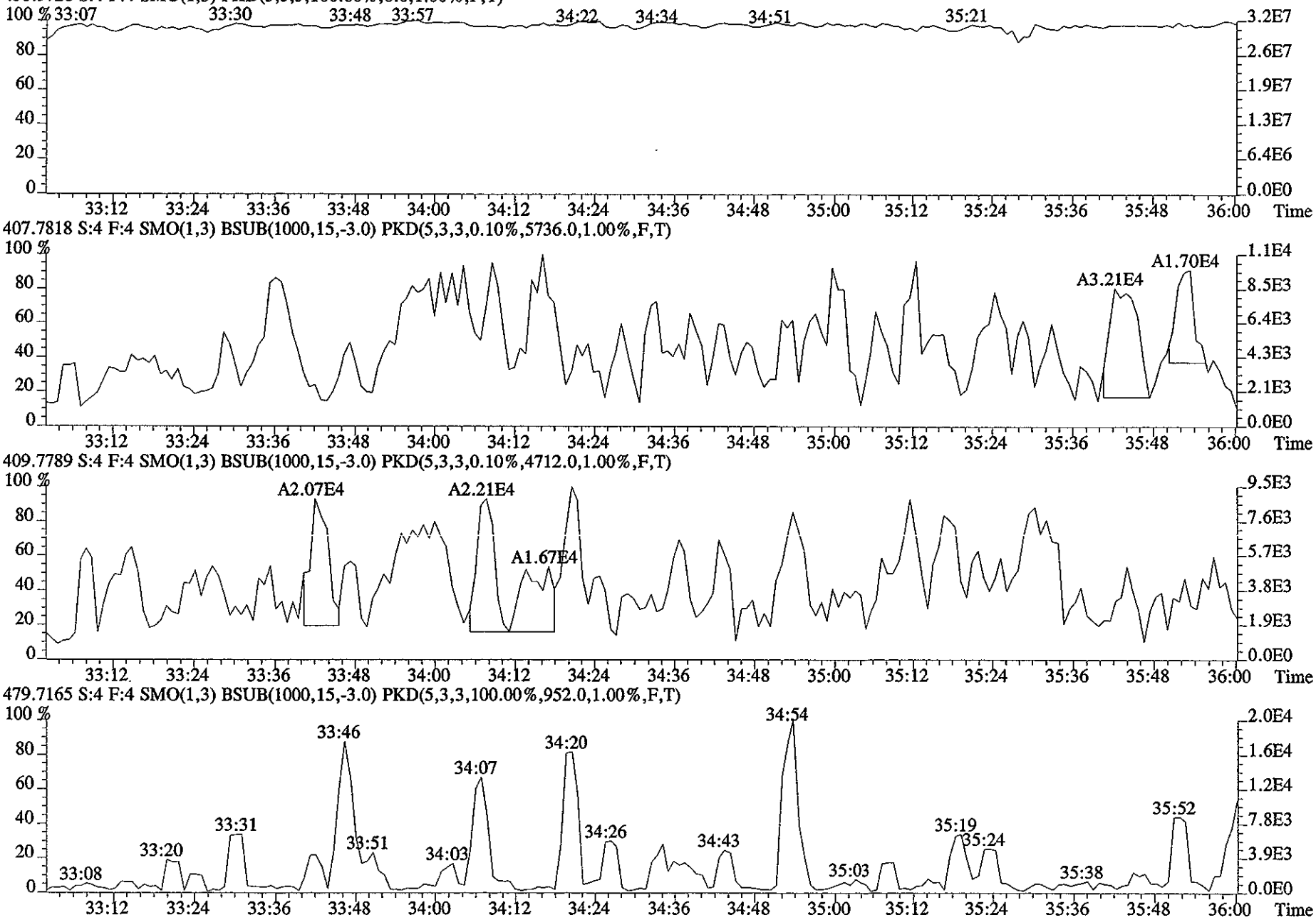
445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,556.0,1.00%,F,T)



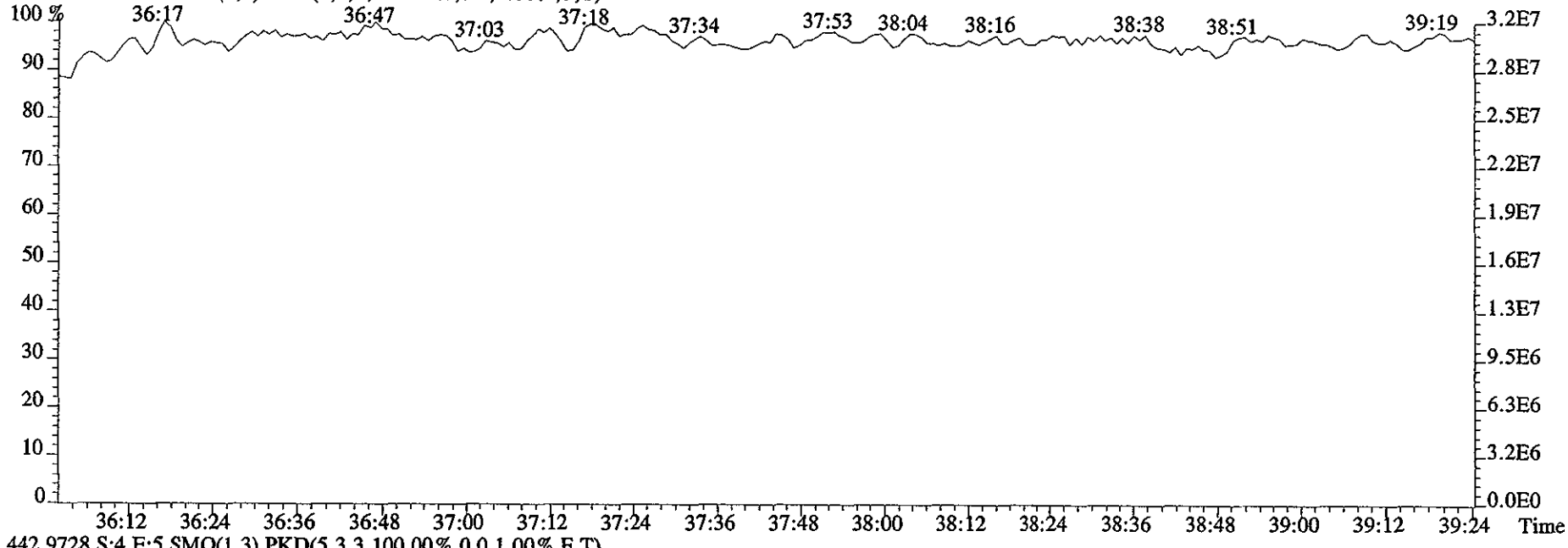
380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



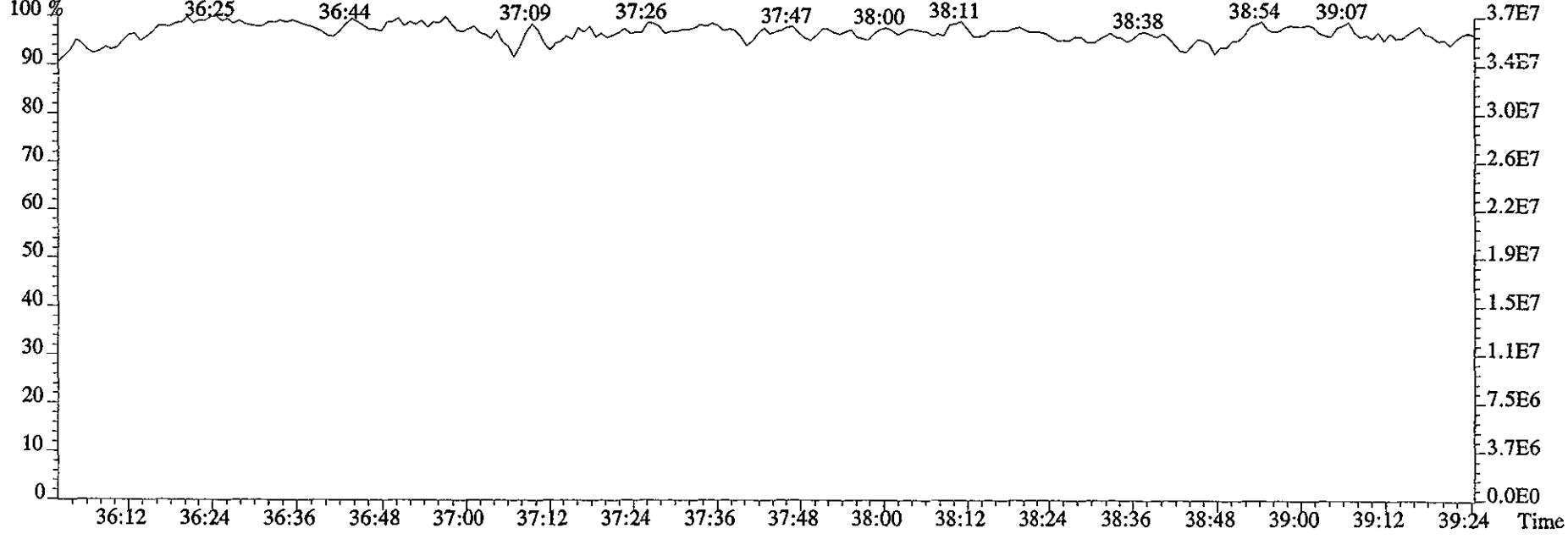
File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN



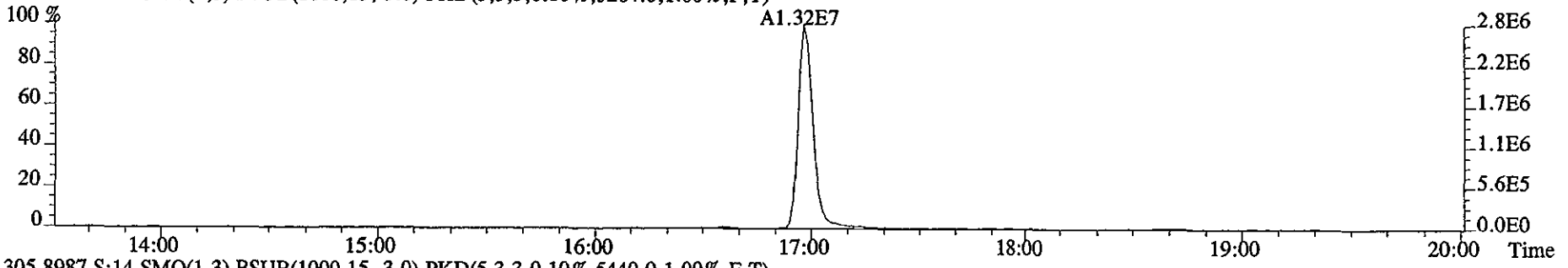
File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



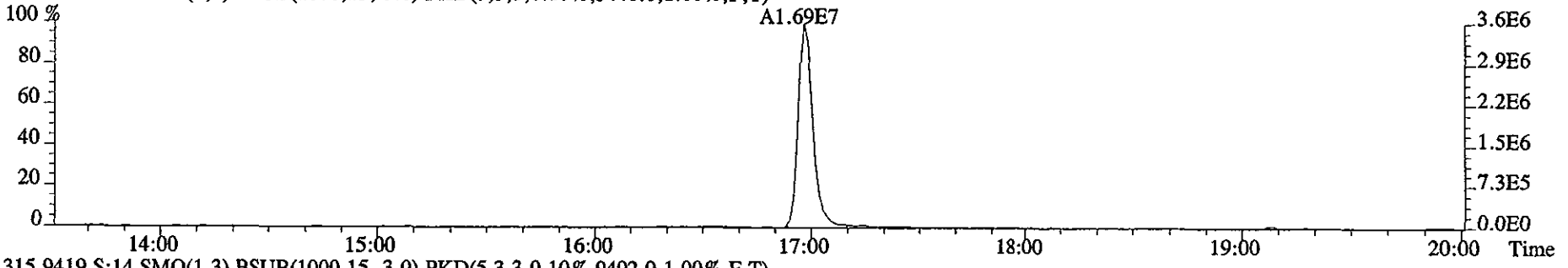
442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



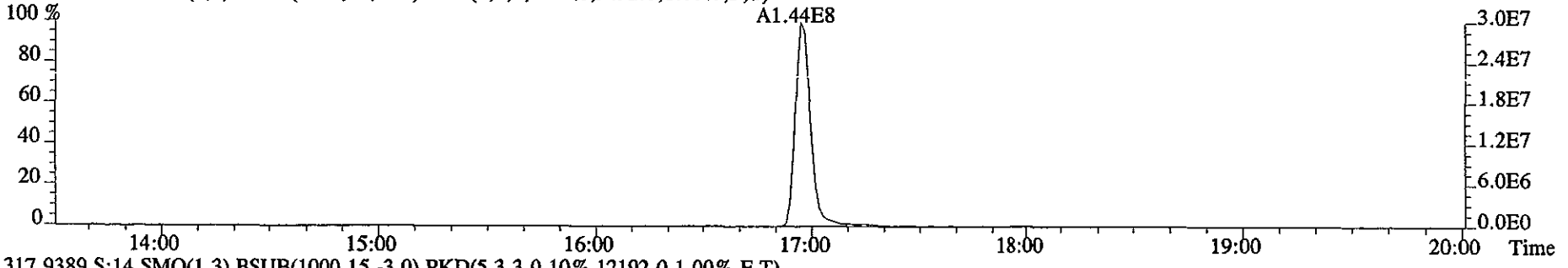
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3264.0,1.00%,F,T)



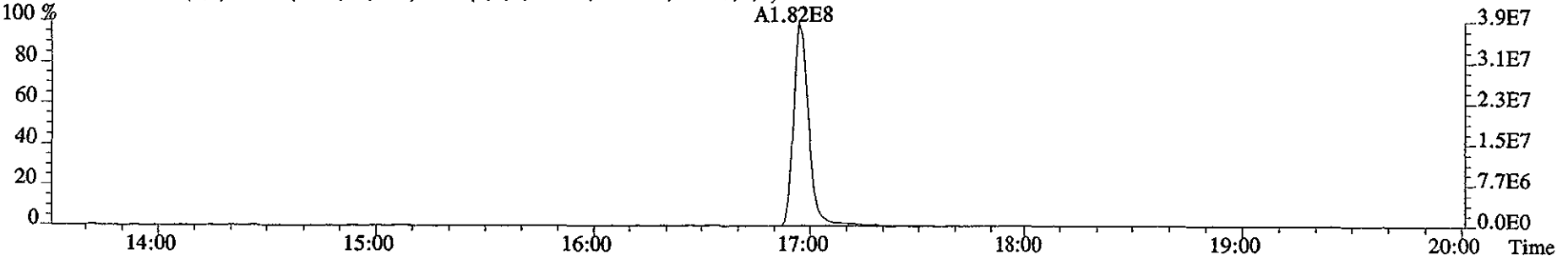
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5440.0,1.00%,F,T)



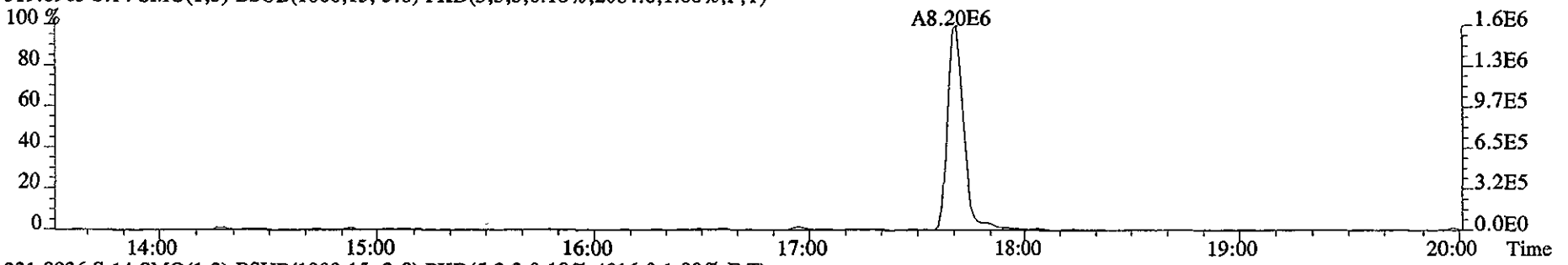
315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9492.0,1.00%,F,T)



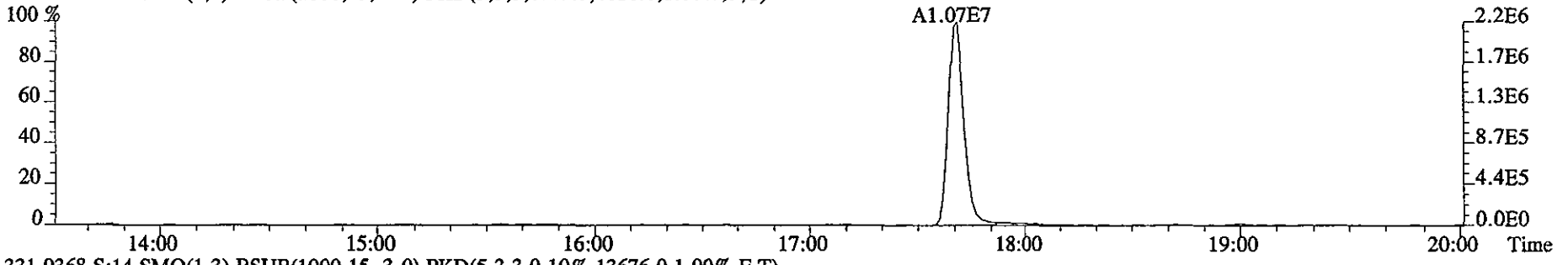
317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12192.0,1.00%,F,T)



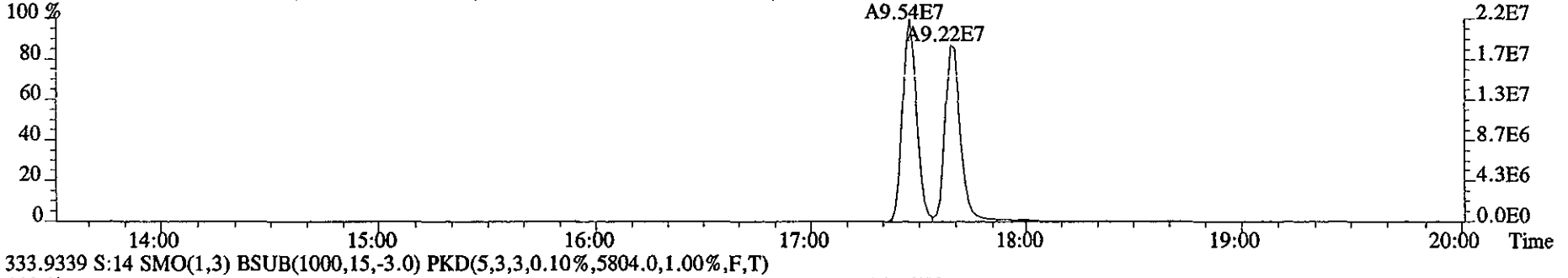
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



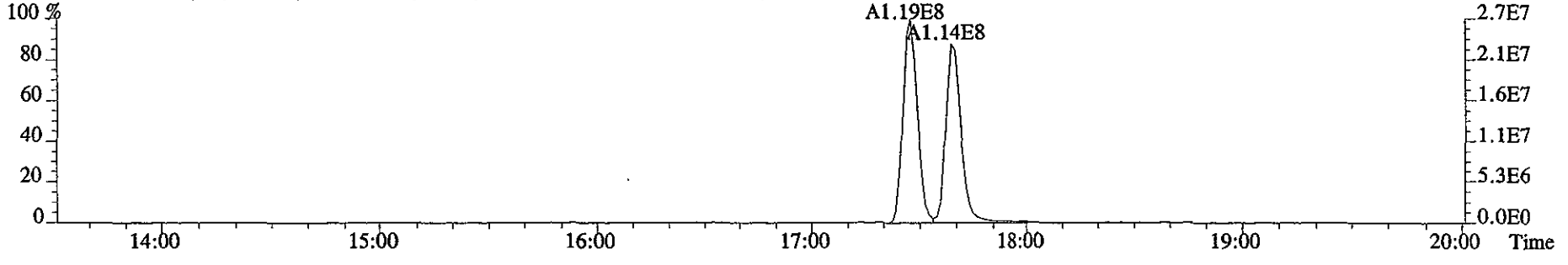
321.8936 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)



331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13676.0,1.00%,F,T)

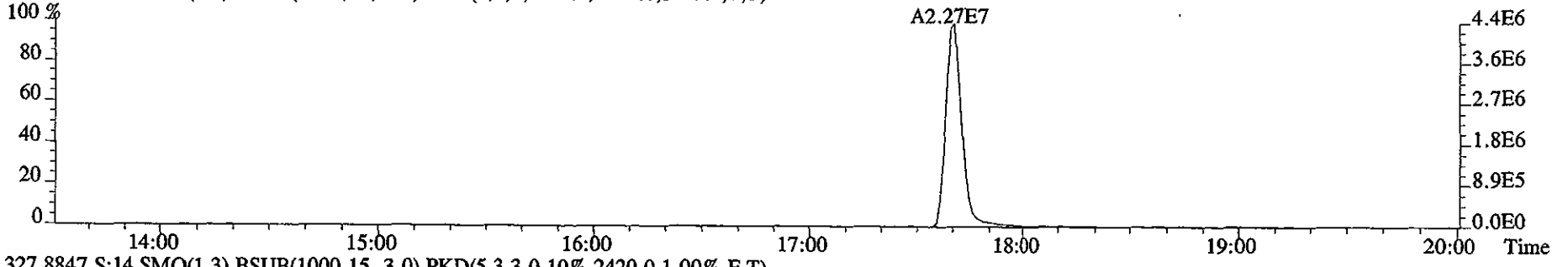


333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5804.0,1.00%,F,T)

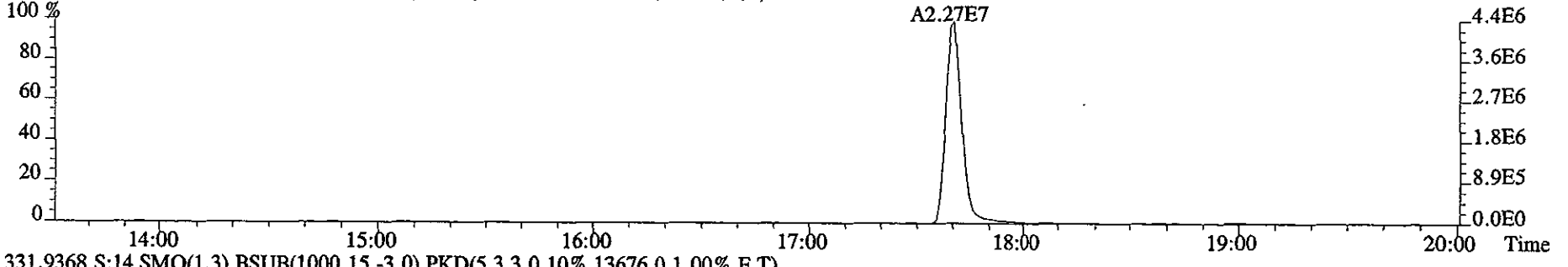


File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

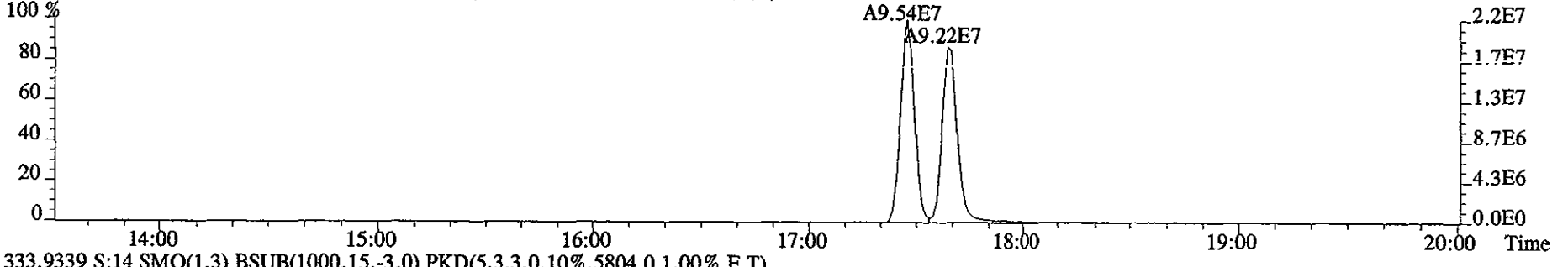
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2420.0,1.00%,F,T)



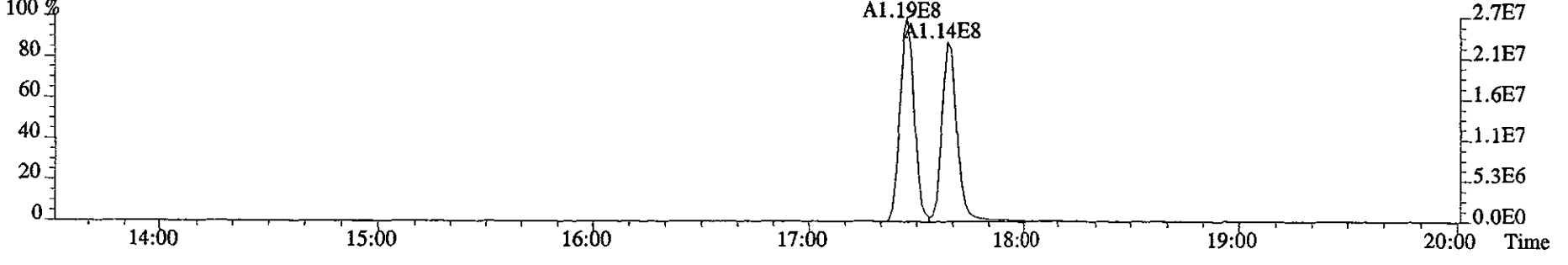
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2420.0,1.00%,F,T)



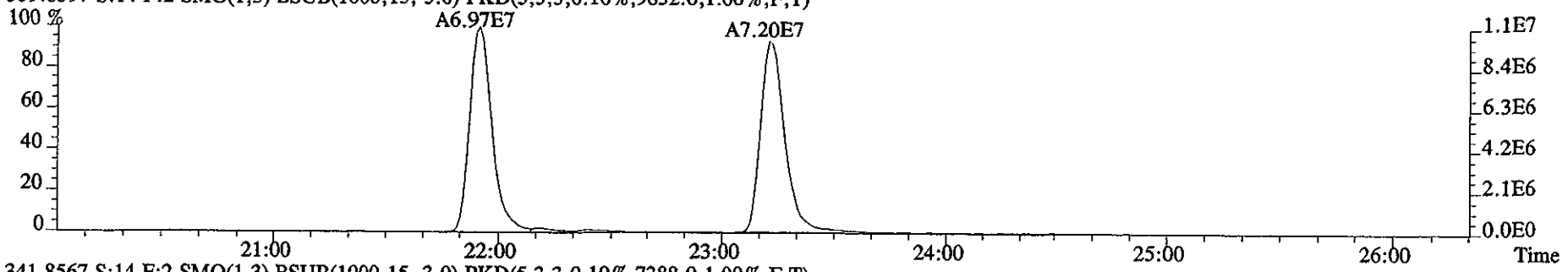
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13676.0,1.00%,F,T)



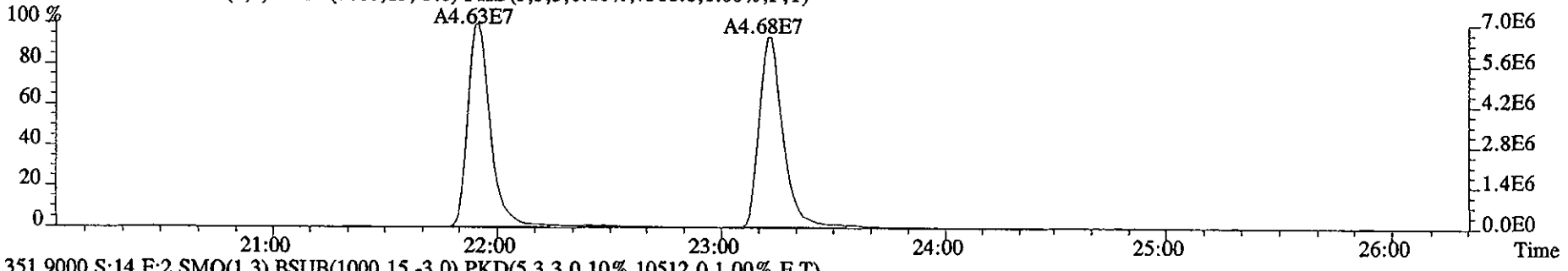
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5804.0,1.00%,F,T)



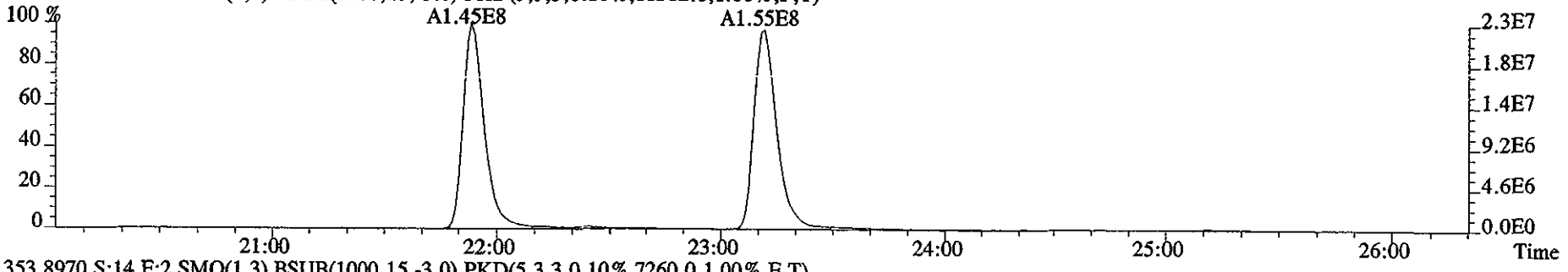
File:26AP10A1D5 #1-444 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9652.0,1.00%,F,T)



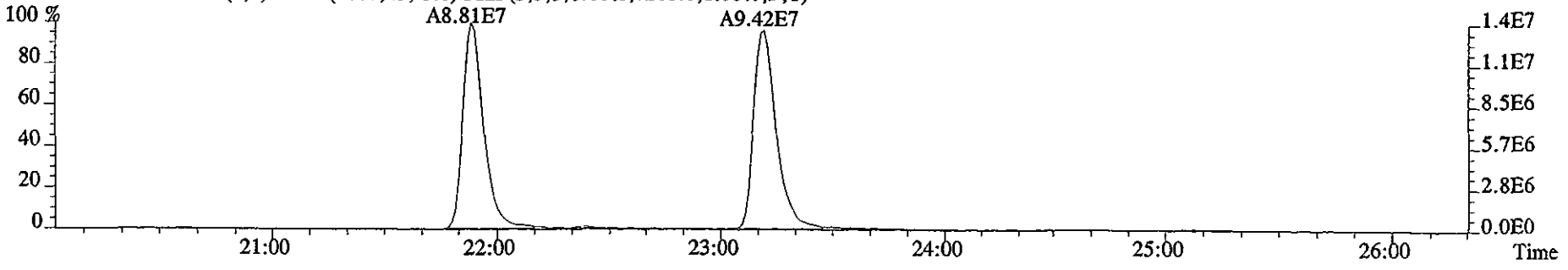
341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T)



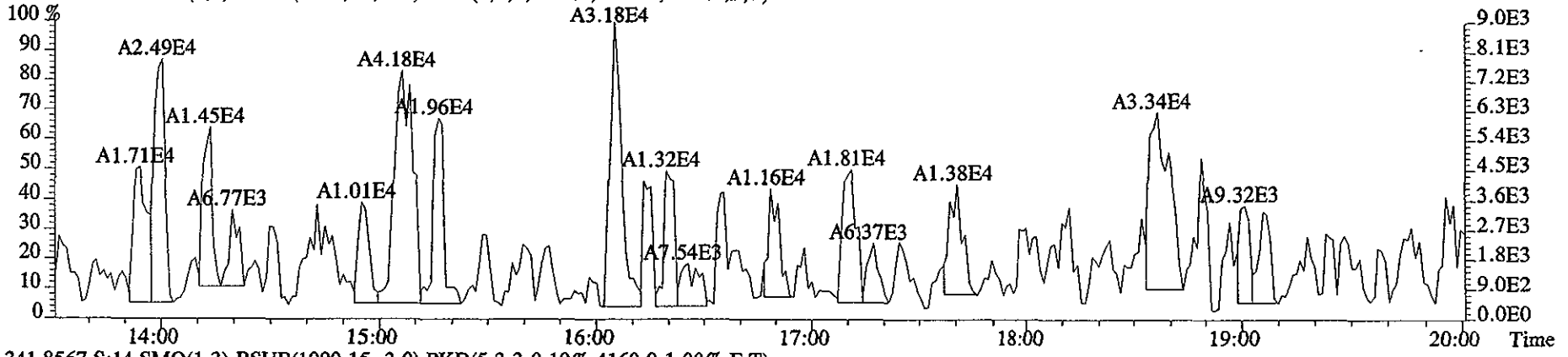
351.9000 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10512.0,1.00%,F,T)



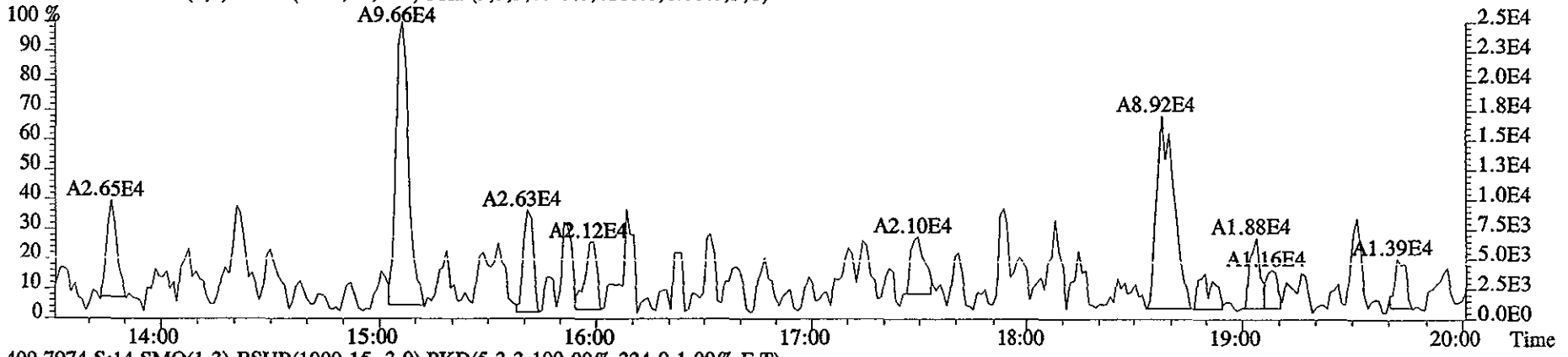
353.8970 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7260.0,1.00%,F,T)



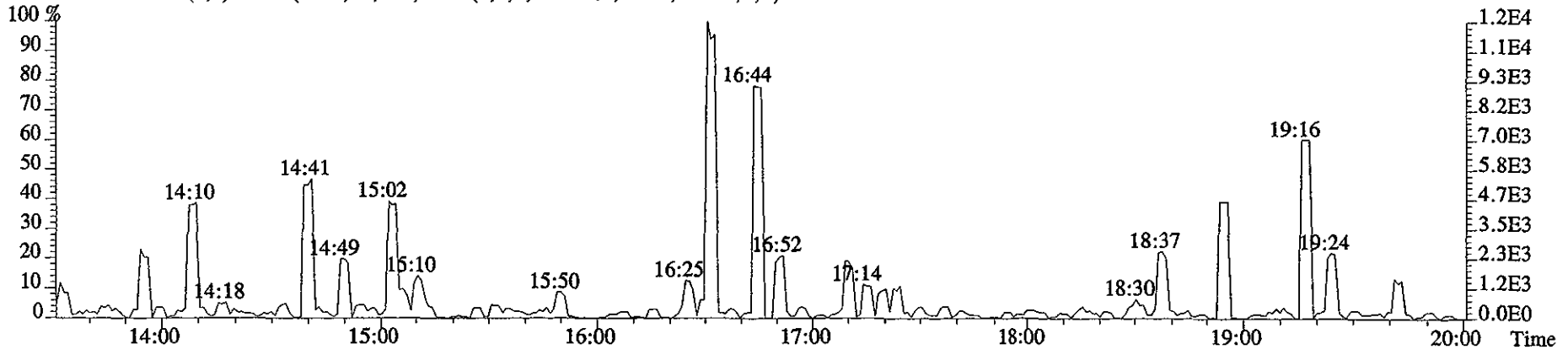
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
339.8597 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2068.0,1.00%,F,T)



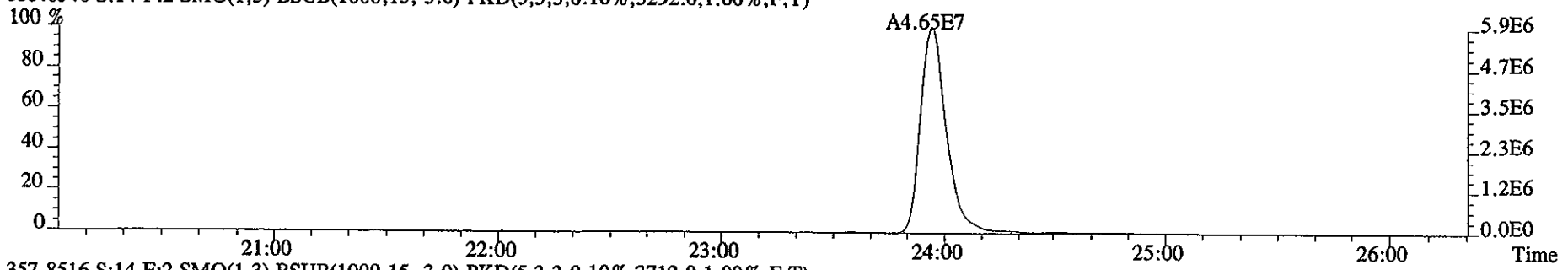
341.8567 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4160.0,1.00%,F,T)



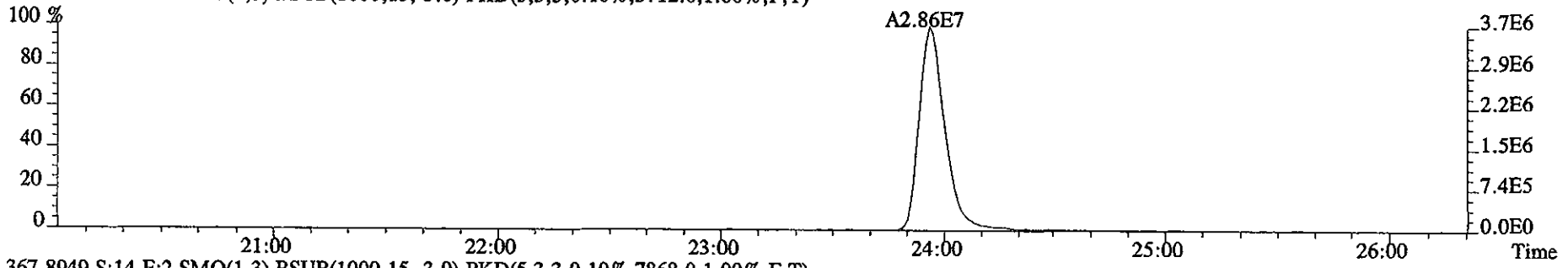
409.7974 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,324.0,1.00%,F,T)



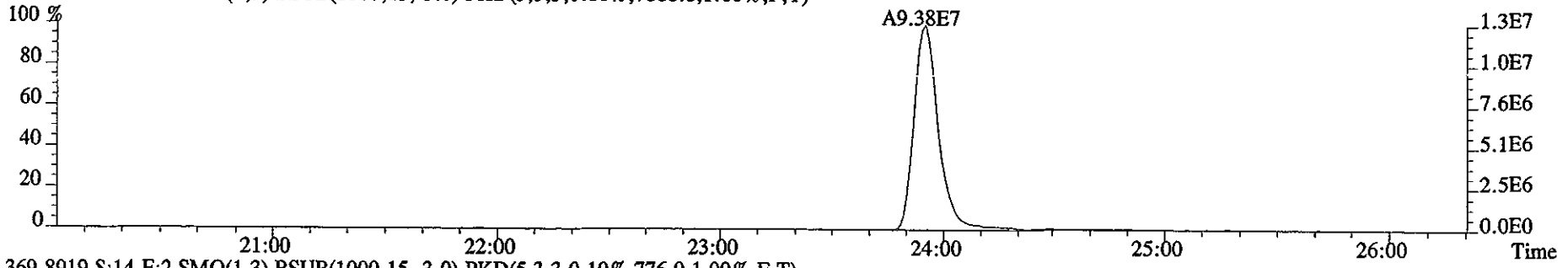
File:26AP10A1D5 #1-444 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
355.8546 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292.0,1.00%,F,T)



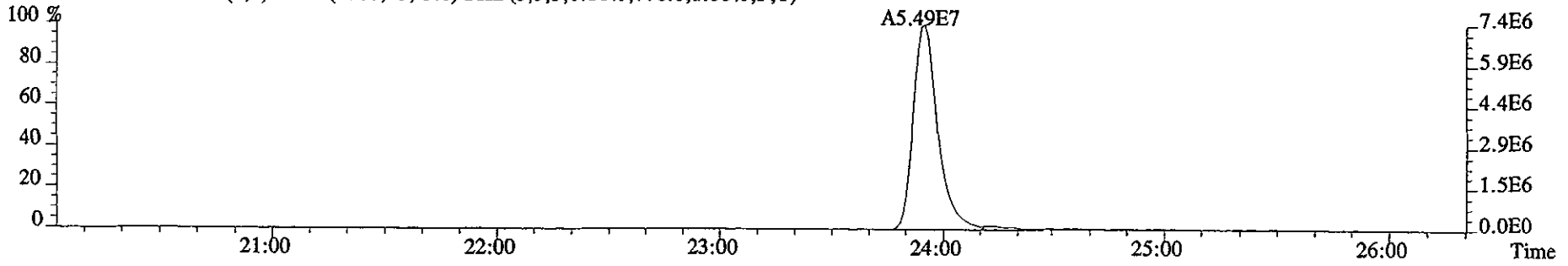
357.8516 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3712.0,1.00%,F,T)



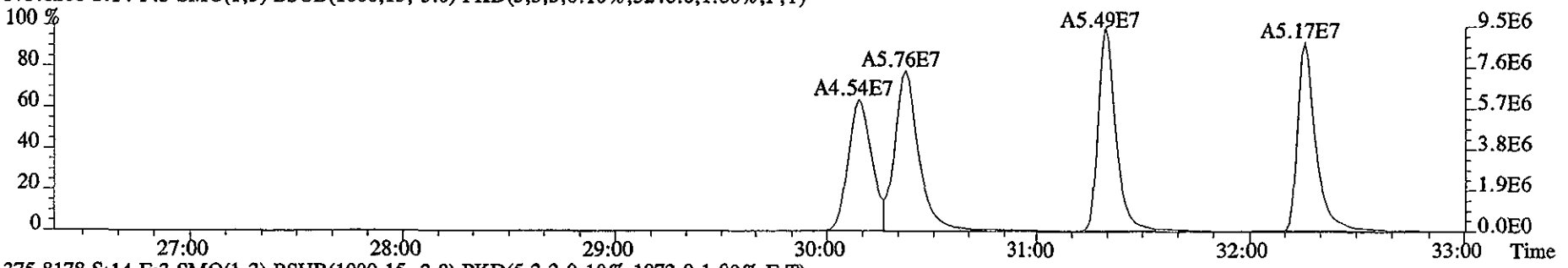
367.8949 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7868.0,1.00%,F,T)



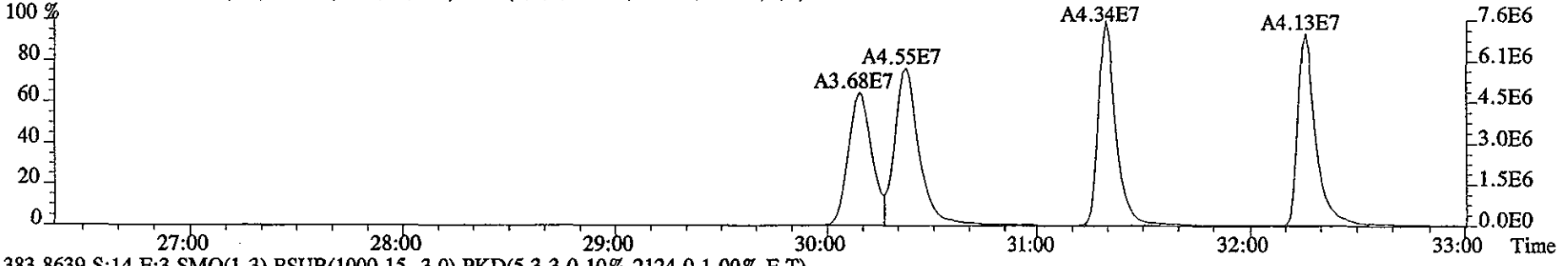
369.8919 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,776.0,1.00%,F,T)



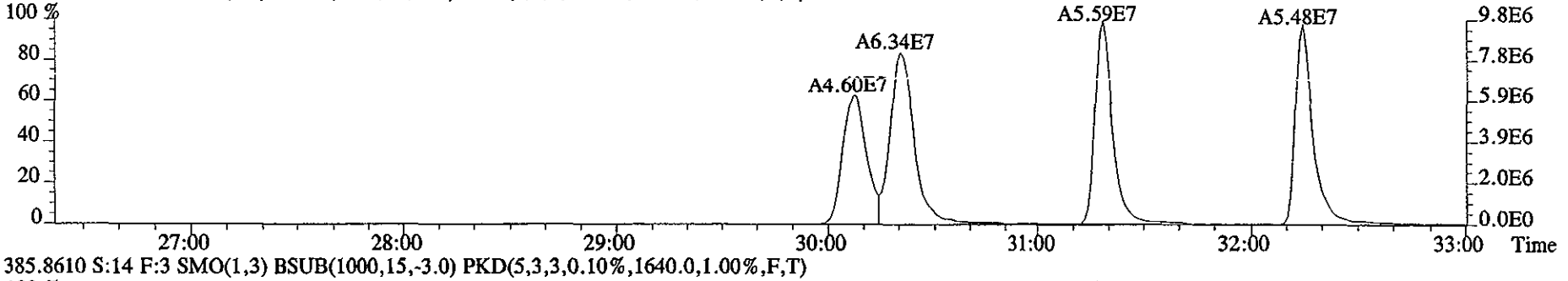
File:26AP10A1D5 #1-447 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
373.8208 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



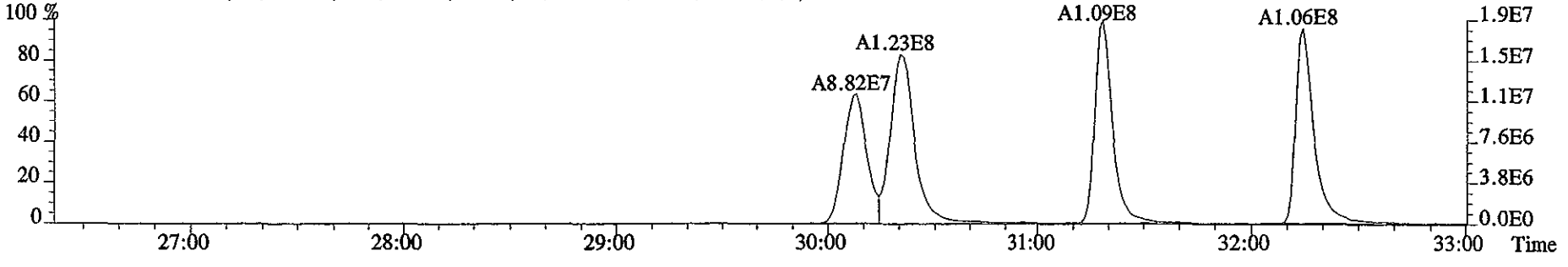
375.8178 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1872.0,1.00%,F,T)



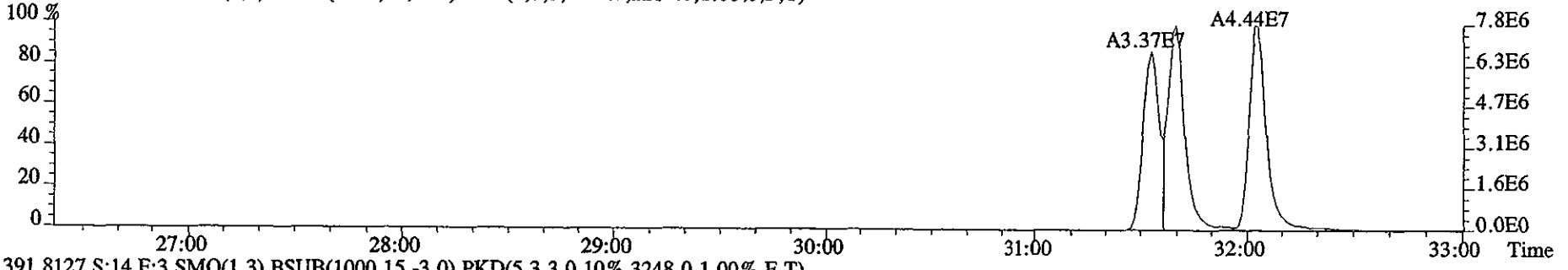
383.8639 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2124.0,1.00%,F,T)



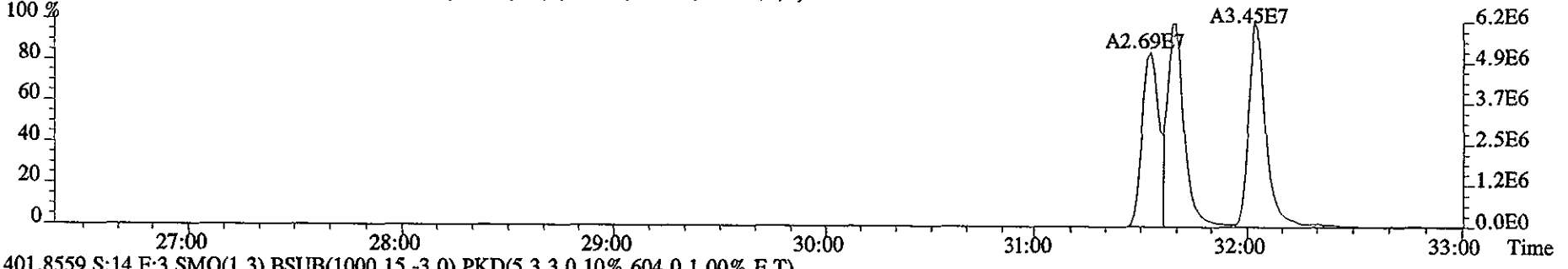
385.8610 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1640.0,1.00%,F,T)



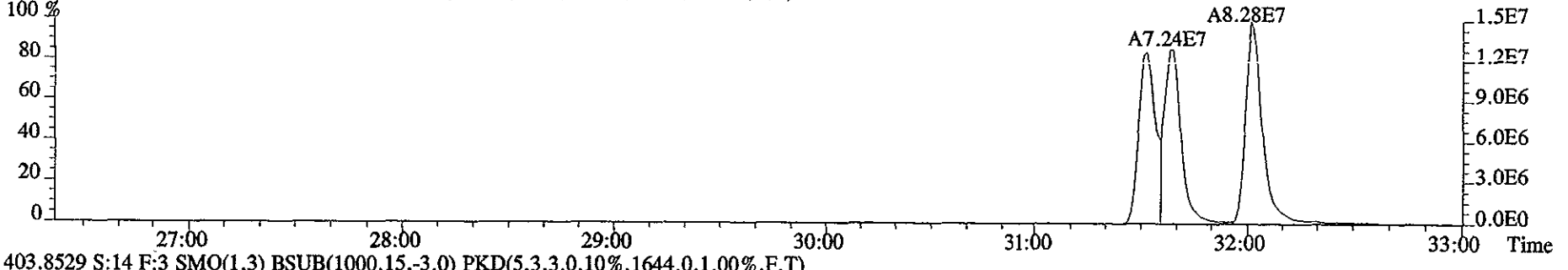
File:26AP10A1D5 #1-447 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)



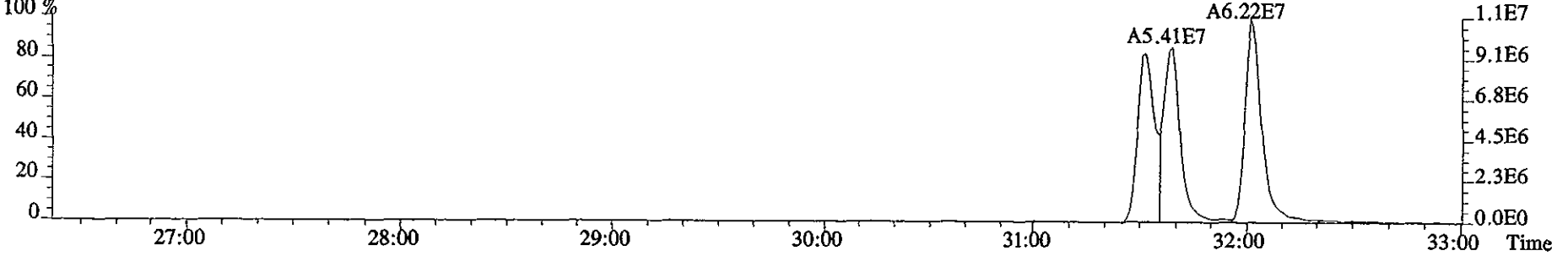
391.8127 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



401.8559 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,604.0,1.00%,F,T)

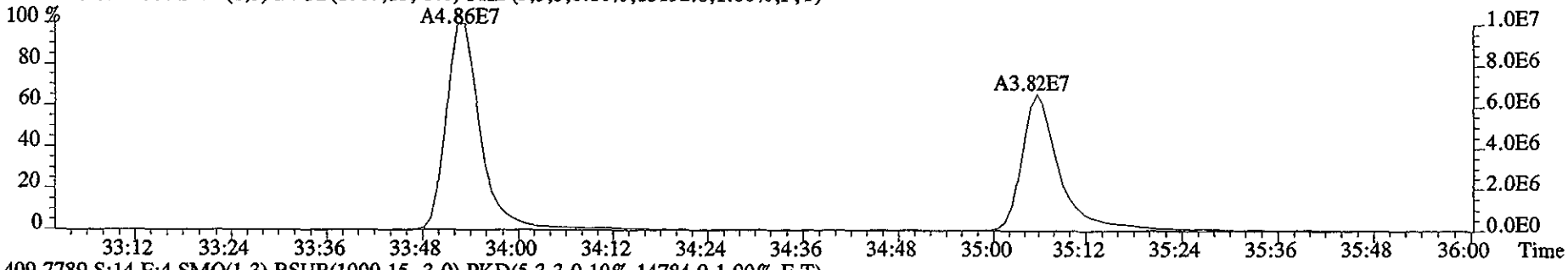


403.8529 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)

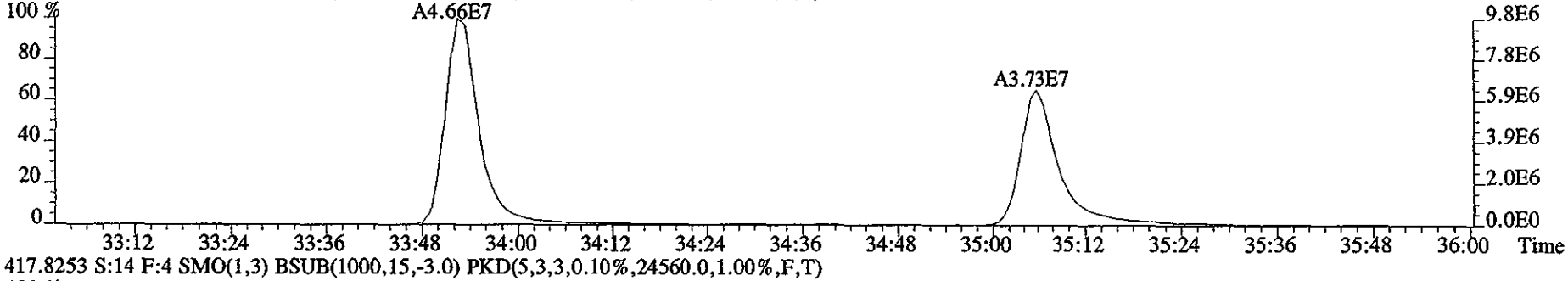


File:26AP10A1D5 #1-210 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

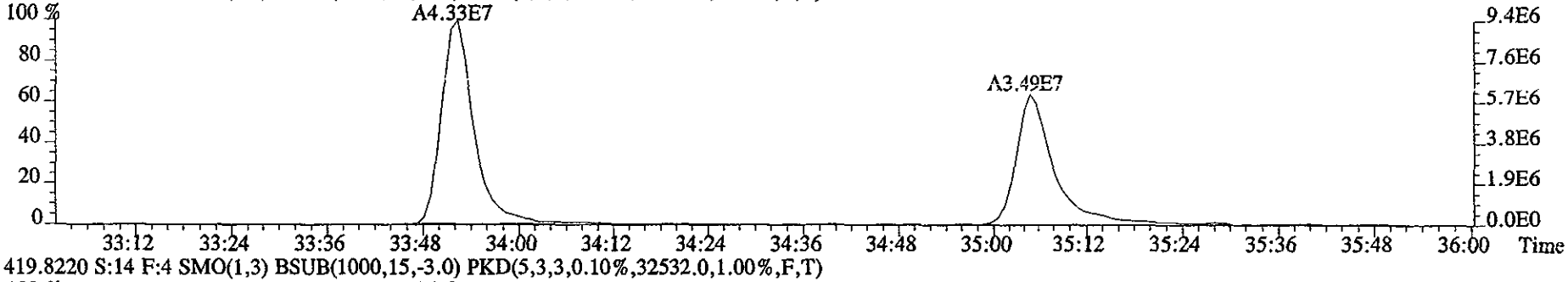
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T)



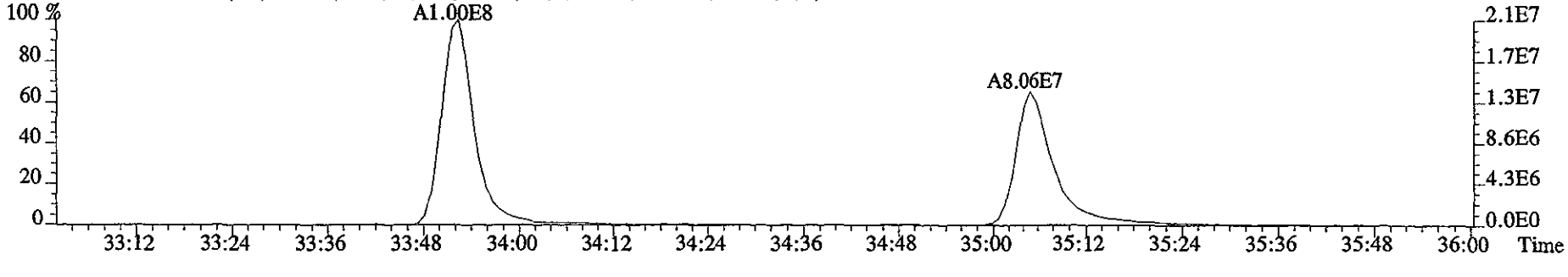
409.7789 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14784.0,1.00%,F,T)



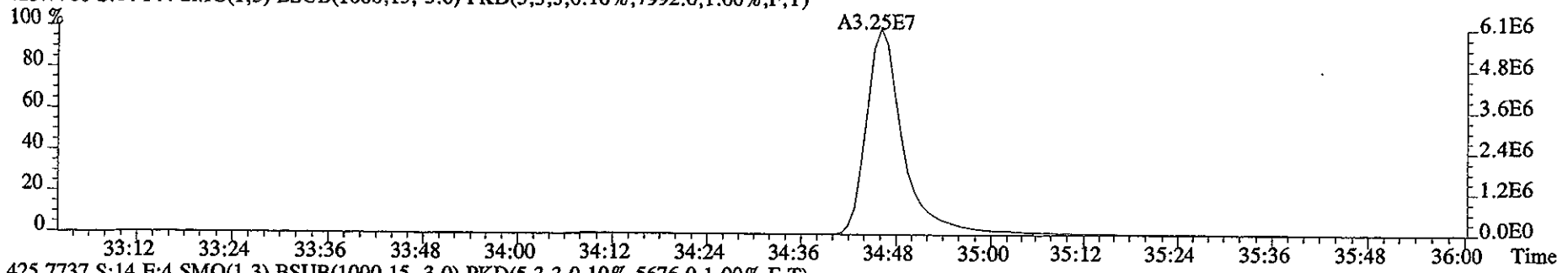
417.8253 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24560.0,1.00%,F,T)



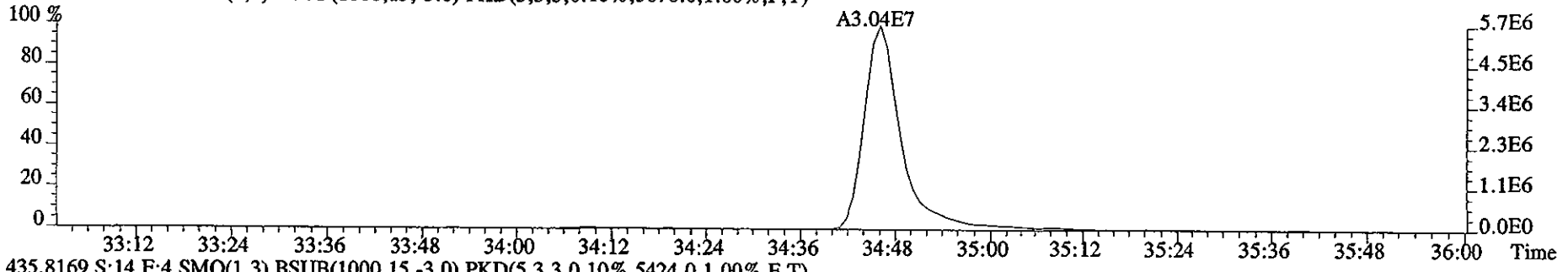
419.8220 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32532.0,1.00%,F,T)



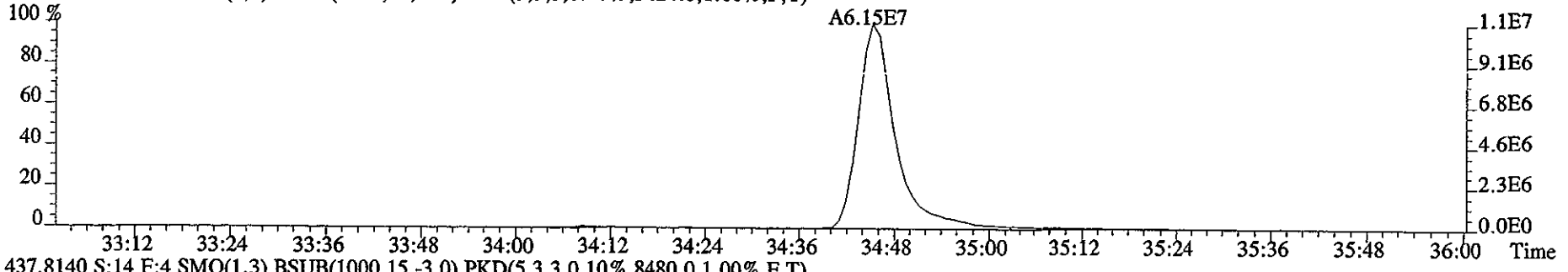
File:26AP10A1D5 #1-210 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
423.7766 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7992.0,1.00%,F,T)



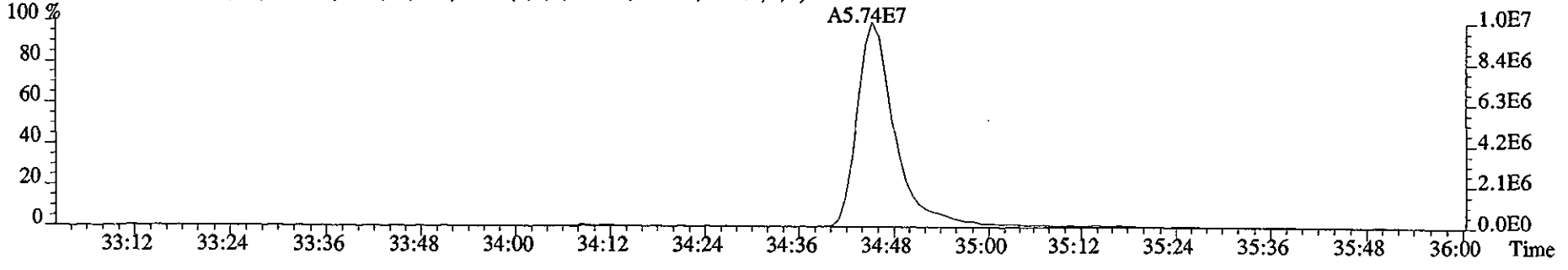
425.7737 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5676.0,1.00%,F,T)



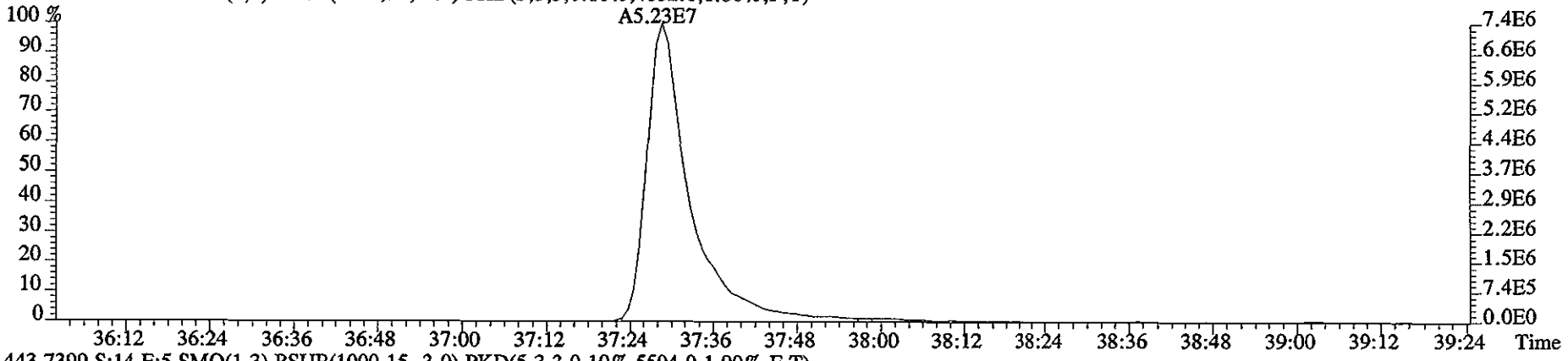
435.8169 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5424.0,1.00%,F,T)



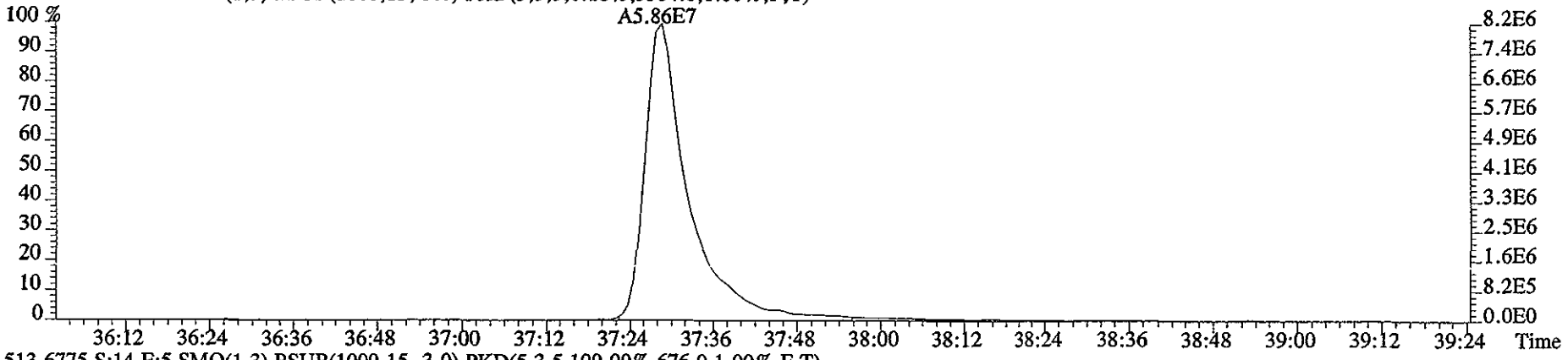
437.8140 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8480.0,1.00%,F,T)



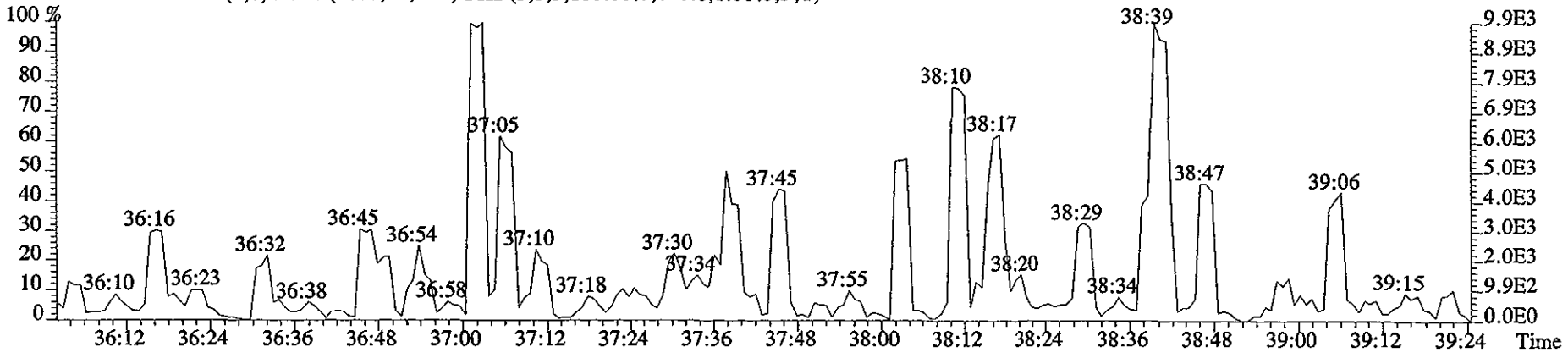
File:26AP10A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



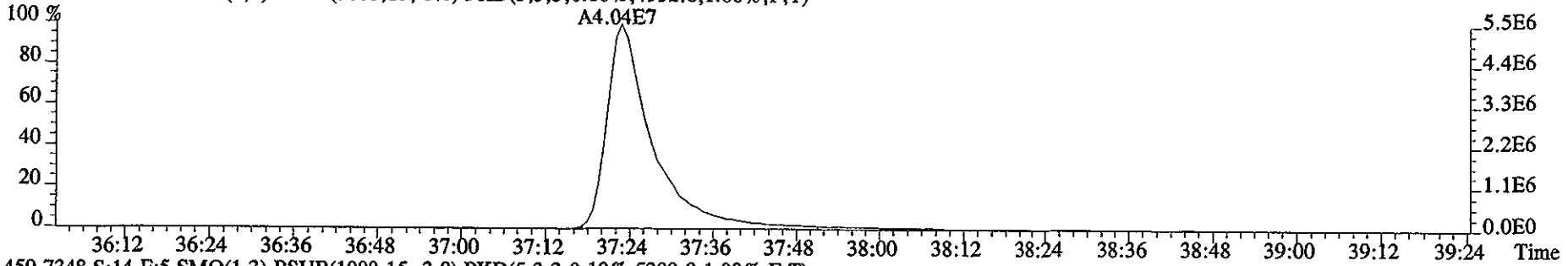
443.7399 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5504.0,1.00%,F,T)



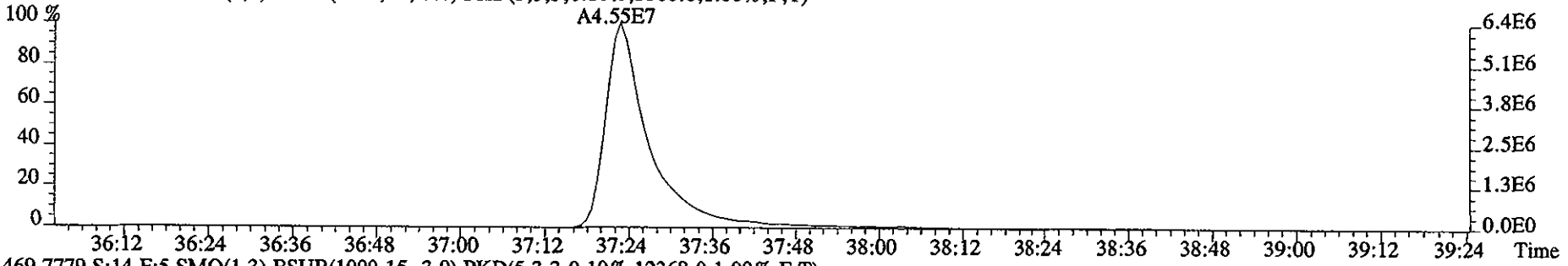
513.6775 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,676.0,1.00%,F,T)



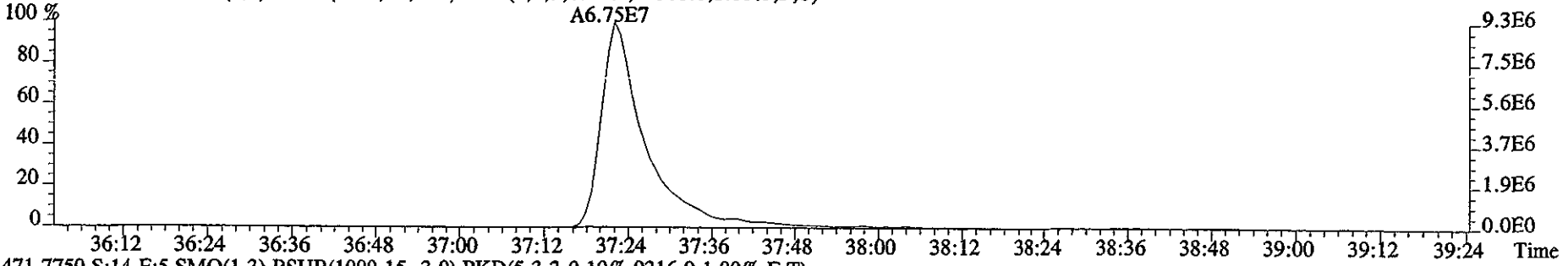
File:26AP10A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
457.7377 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)



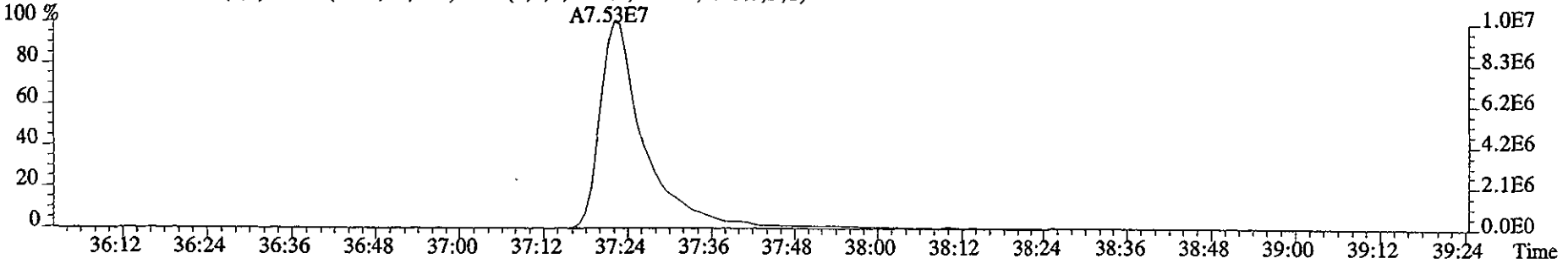
459.7348 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5388.0,1.00%,F,T)



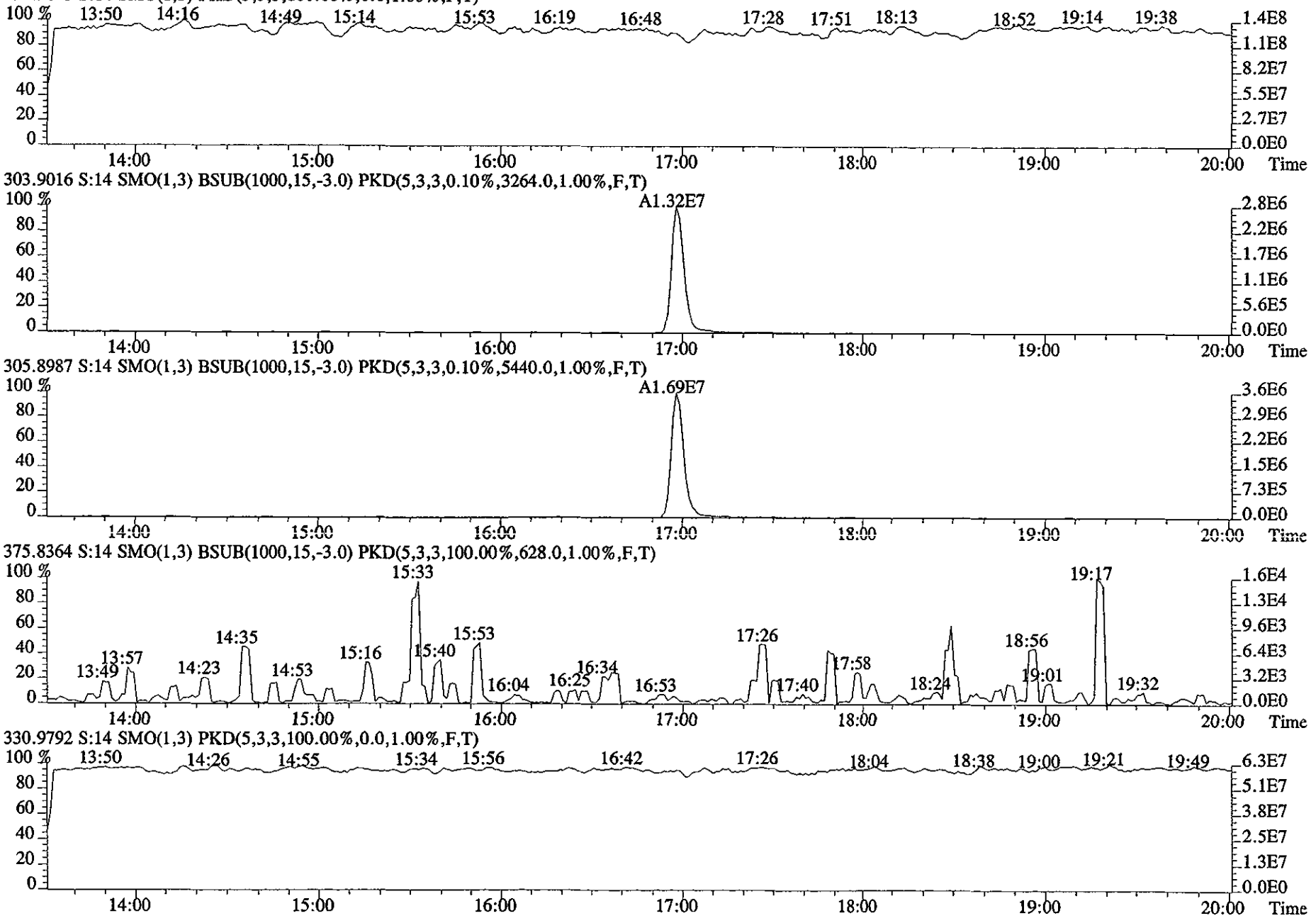
469.7779 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12368.0,1.00%,F,T)



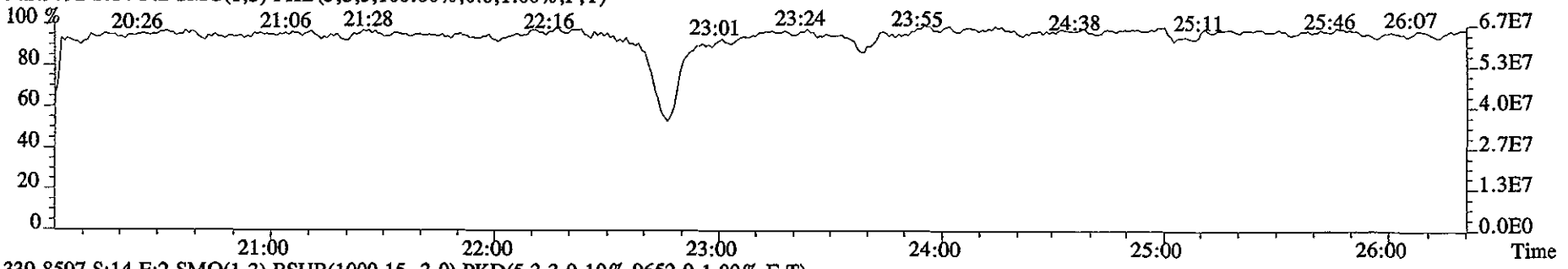
471.7750 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9316.0,1.00%,F,T)



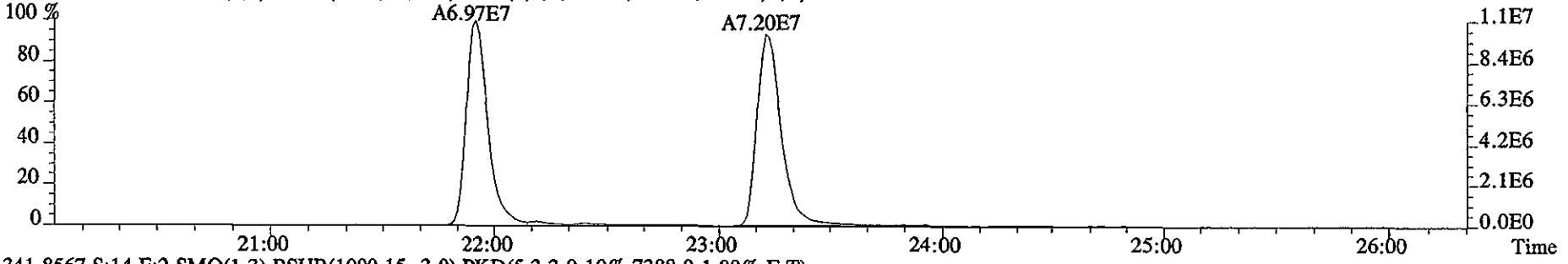
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN



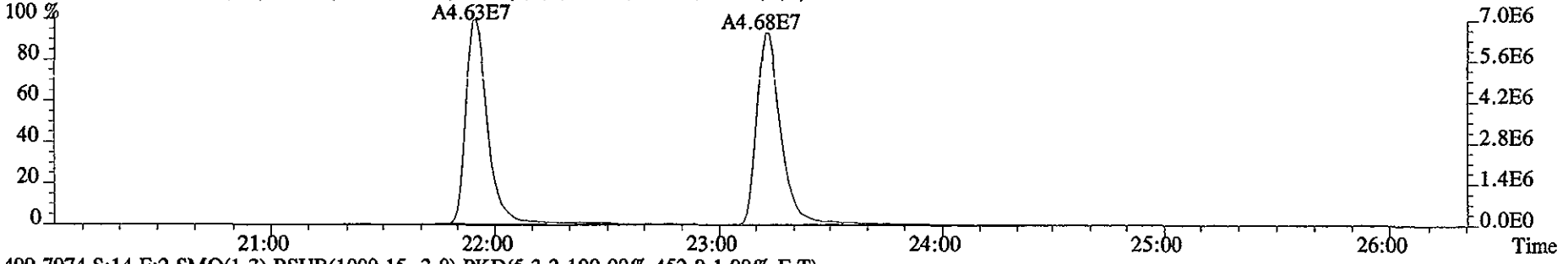
File:26AP10A1D5 #1-444 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
342.9792 S:14 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



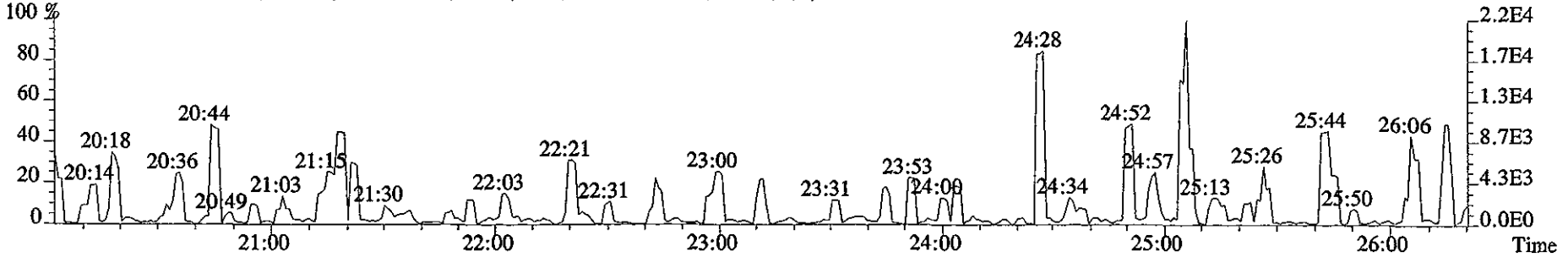
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9652.0,1.00%,F,T)



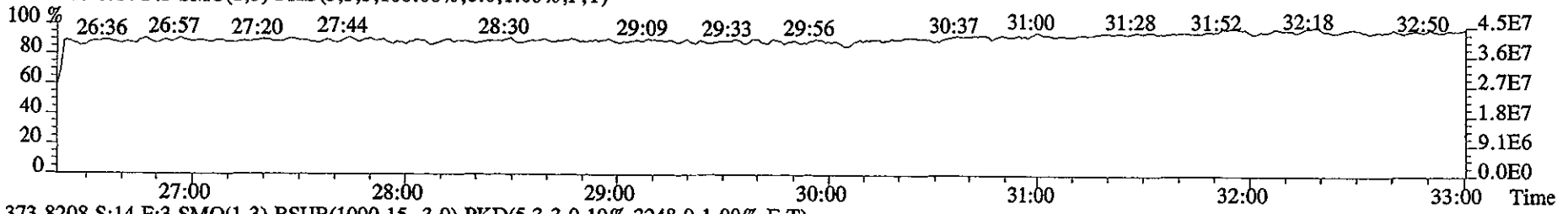
341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T)



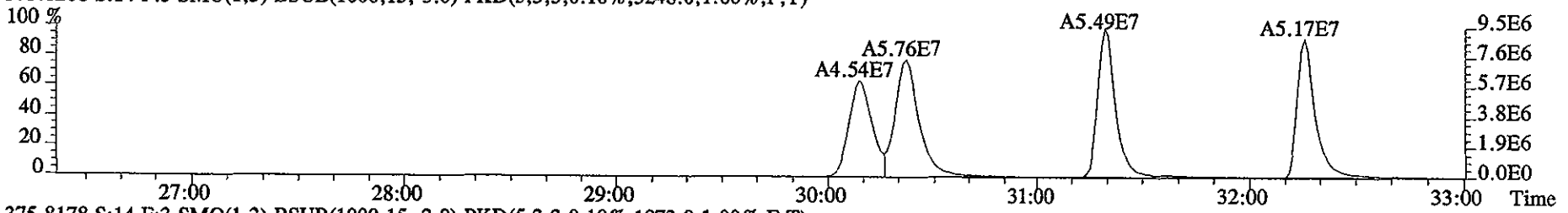
409.7974 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,452.0,1.00%,F,T)



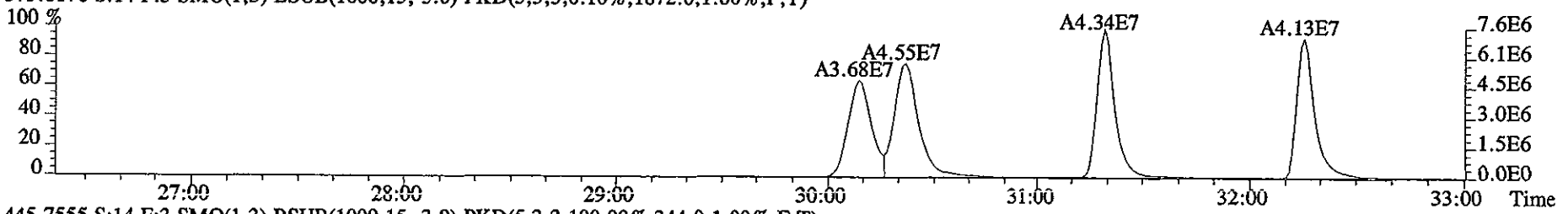
File:26AP10A1D5 #1-447 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
392.9760 S:14 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



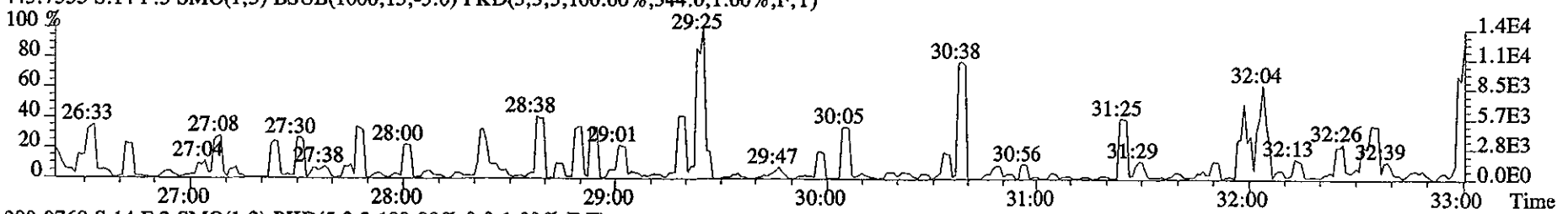
373.8208 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



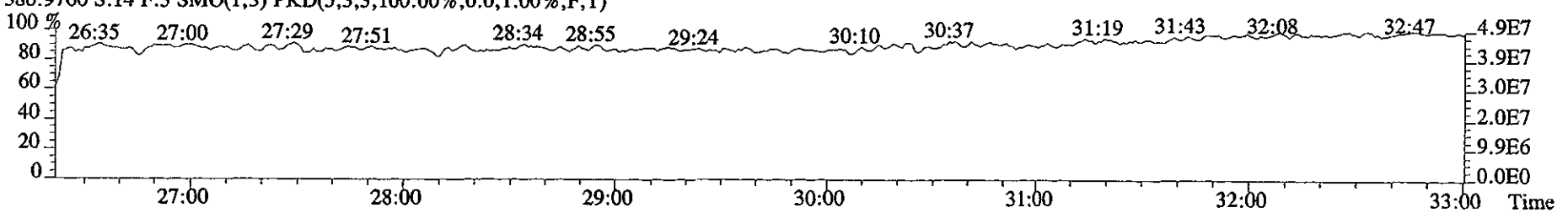
375.8178 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1872.0,1.00%,F,T)



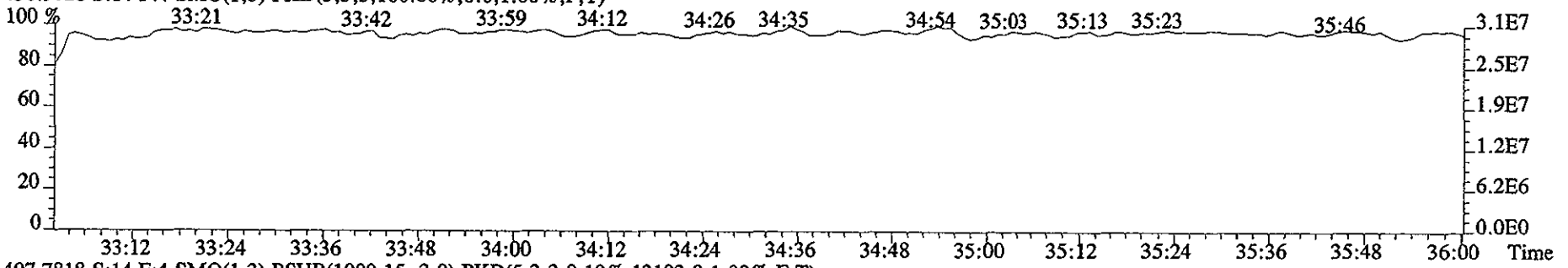
445.7555 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,344.0,1.00%,F,T)



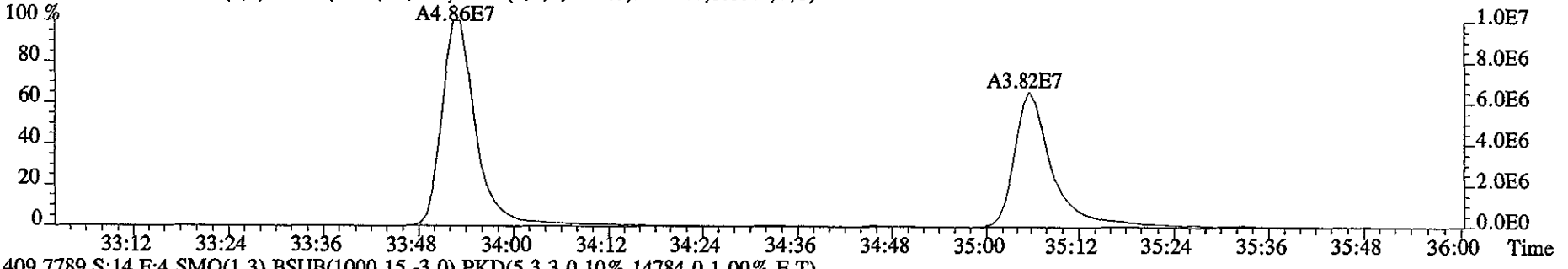
380.9760 S:14 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



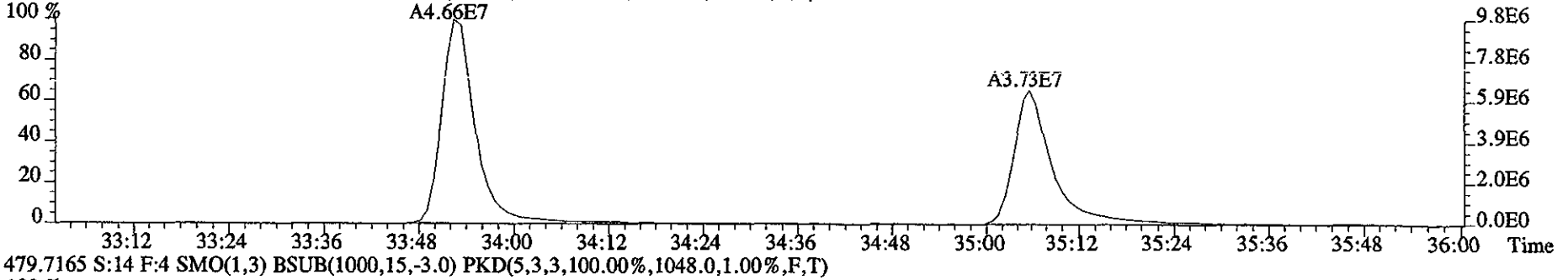
File:26AP10A1D5 #1-210 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
430.9728 S:14 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



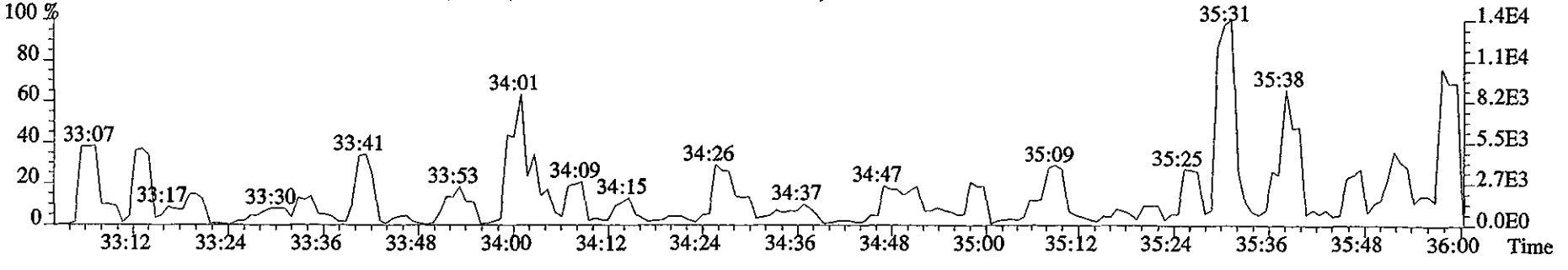
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T)



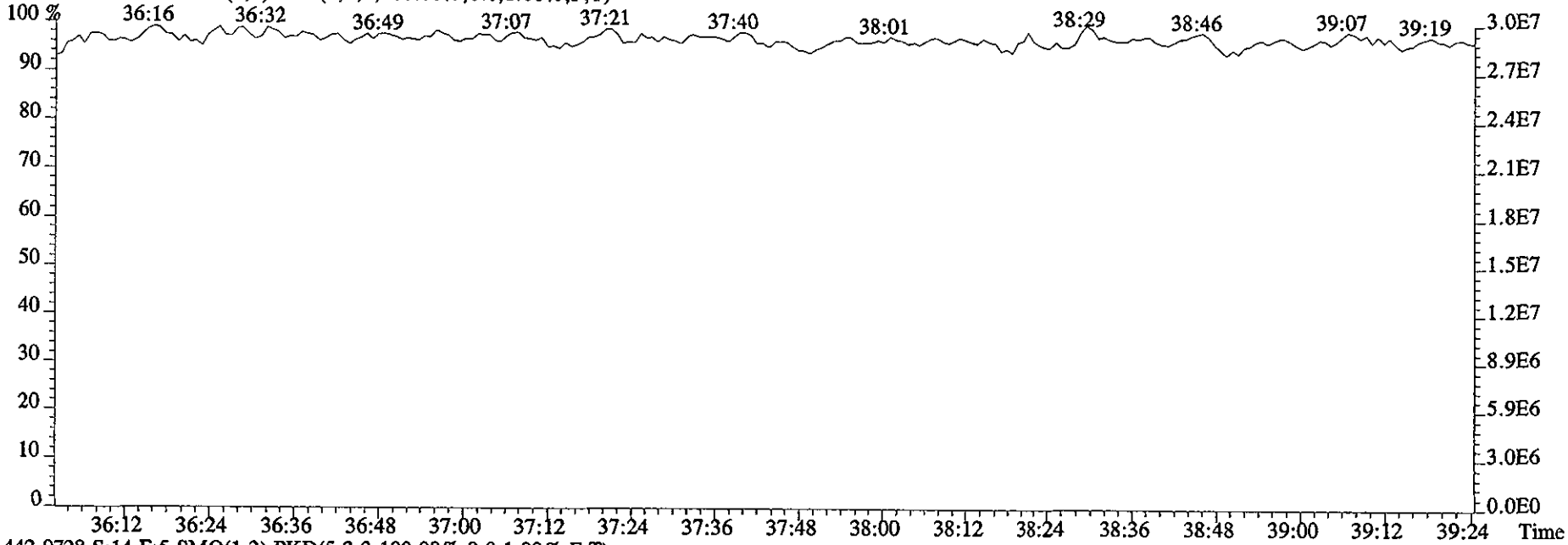
409.7789 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14784.0,1.00%,F,T)



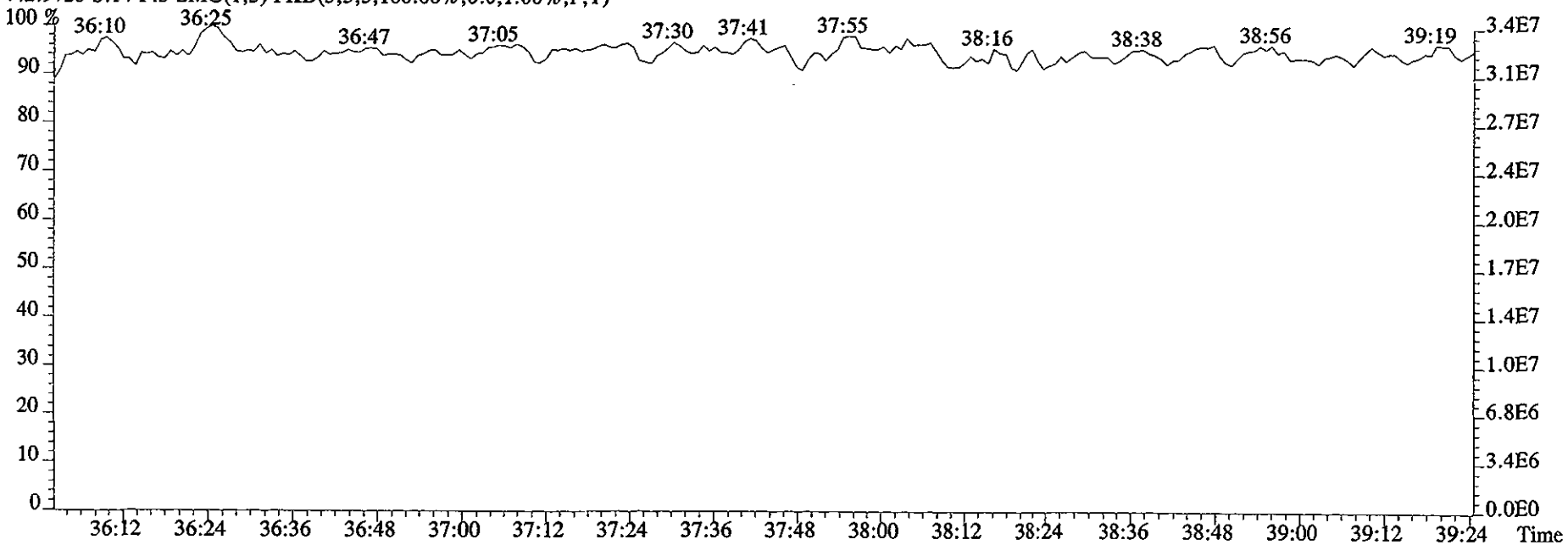
479.7165 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1048.0,1.00%,F,T)



File:26AP10A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
454.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290) **Associated ICAL** DB225042110SD2

Column ID DB225 **Instrument ID** 5D2

STD ID STD510, STD510A **STD Solution** 10DXN111

Analyzed by KGS, AS **Date Analyzed** 5/10/10

Std. Pkg. By KGS **Date Std. Pkg. Assembled** 5/11/10

Std. Pkg. Reviewed By MMC **Date Std. Pkg. Reviewed** 5/11/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0510 File text: ST0510 :CS3 10DXN083
Run #6 Filename 10MY105D2 S: 4 I: 1
Acquired: 10-MAY-10 10:33:33 Processed: 10-MAY-10 15:25:21
Run: 10MY105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 10MY105D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	119524200	0.76 y	14:48	-	100.00	-	n
13C-2,3,7,8-TCDF	226092000	0.80 y	15:58	1.89	100.00	-10.2	n
2,3,7,8-TCDF	20674870	0.77 y	15:59	0.91	10.00	-16.0	n
13C-2,3,7,8-TCDD	113234700	0.74 y	14:36	0.95	100.00	-0.1	n
2,3,7,8-TCDD	14935710	0.86 y	14:37	1.32	10.00	-2.8	n
37Cl-2,3,7,8-TCDD	26571200	1.00 y	14:37	2.22	10.00	-2.4	n

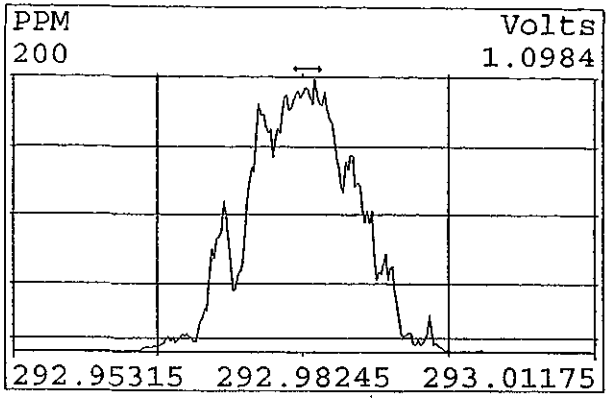
Run text: ST0510A File text: ST0510A :CS3 10DXN083
Run #22 Filename 10MY105D2 S: 21 I: 1
Acquired: 10-MAY-10 21:03:37 Processed: 10-MAY-10 21:31:30
Run: 10MY105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 10MY105D2DB225

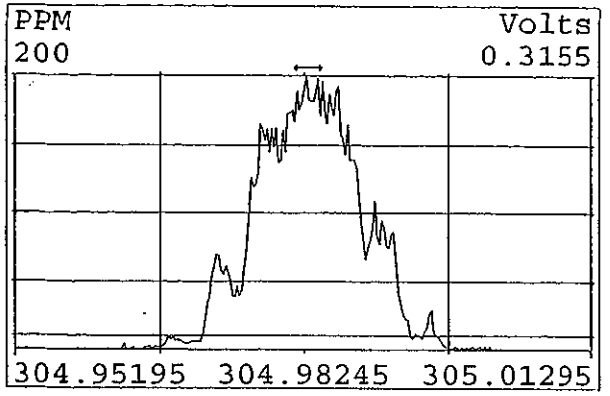
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	118539800	0.77 y	14:48	-	100.00	-	n
13C-2,3,7,8-TCDF	211806700	0.80 y	15:57	1.79	100.00	-15.2	n
2,3,7,8-TCDF	19887250	0.79 y	15:58	0.94	10.00	-13.7	n
13C-2,3,7,8-TCDD	111800200	0.75 y	14:35	0.94	100.00	-0.6	n
2,3,7,8-TCDD	14621170	0.84 y	14:36	1.31	10.00	-3.6	n
37Cl-2,3,7,8-TCDD	25200600	1.00 y	14:36	2.13	10.00	-6.7	n

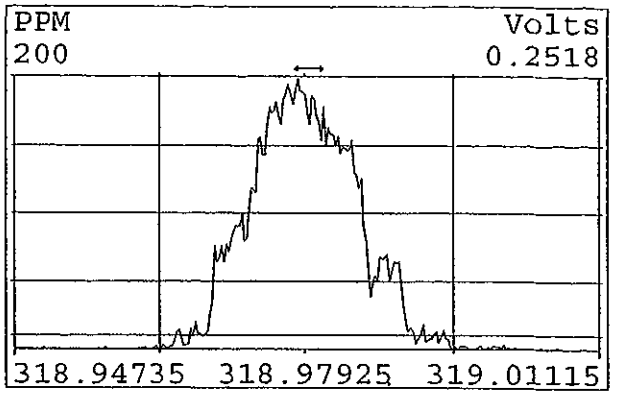
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
10MY105D2	1	CPPRM01	DB-225 CPSM 3732-06				1.000	
10MY105D2	2	CPPRM02	DB-225 CPSM 3732-06				1.000	
10MY105D2	3	CP0510	DB-225 CPSM 3732-06				1.000	
10MY105D2	4	ST0510	CS3 10DXN083				1.000	
10MY105D2	5	SB0510	Solvent Blank C-14				1.000	
10MY105D2	6	LX525-1-AD	G0D170492-2	10	8290/SOLID	79	10.280	g
10MY105D2	7	LX732-1-AC	G0D200427-9	10	8290/SOLID		10.240	g
10MY105D2	8	LX74R-1-AC	G0D200427-15	10	8290/SOLID		10.130	g
10MY105D2	9	LX74K-1-AC	G0D200427-13	10	8290/SOLID		10.160	g
10MY105D2	10	LX5XK-1-AC	G0D170485-1	10	8290/SOLID	77	10.090	g
10MY105D2	11	LX51H-1-AD	G0D170489-5	10	8290/SOLID	79	10.670	g
10MY105D2	12	LX51F-1-AC	G0D170489-3	10	8290/SOLID	77	10.070	g
10MY105D2	13	LX5XP-1-AC	G0D170485-5	10	8290/SOLID	79	10.080	g
10MY105D2	14	LX5XR-1-AC	G0D170485-6	10	8290/SOLID		10.140	g
10MY105D2	15	LX53G-1-AD	G0D170492-12	10	8290/SOLID		10.230	g
10MY105D2	16	LX743-1-AC	G0D200427-17	10	8290/SOLID		10.350	g
10MY105D2	17	LX74C-1-AC	G0D200427-11	10	8290/SOLID		10.140	g
10MY105D2	18	LX50A-1-AE	G0D170485-18 [20X]	10	8290/SOLID	80	10.550	g
10MY105D2	19	LX5X6-1-AE	G0D170485-15 [20X]	10	8290/SOLID		10.240	g
10MY105D2	20	SB0510A	Solvent Blank C-14				1.000	
10MY105D2	21	ST0510A	CS3 10DXN083				1.000	
10MY105D2	22						1.000	
0MY105D2	23						1.000	
0MY105D2	24		KSS, AS 05-10-10				1.000	

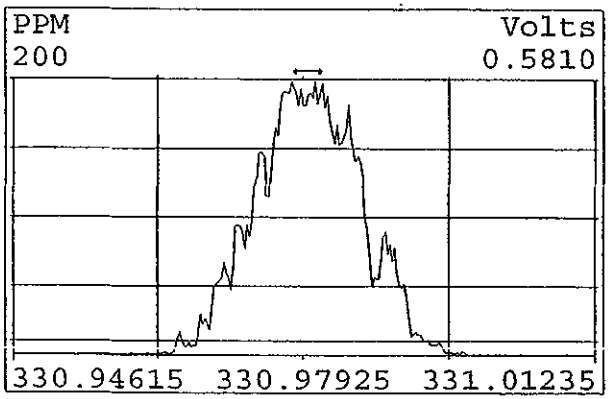
logfile v2
5/11/10

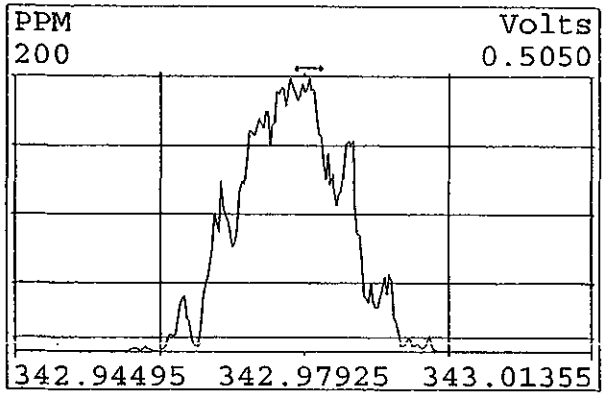
Peak Locate Examination:10-MAY-2010:08:41 File:10MY105D2
Experiment:DB225RES Function:1 Reference:PFK

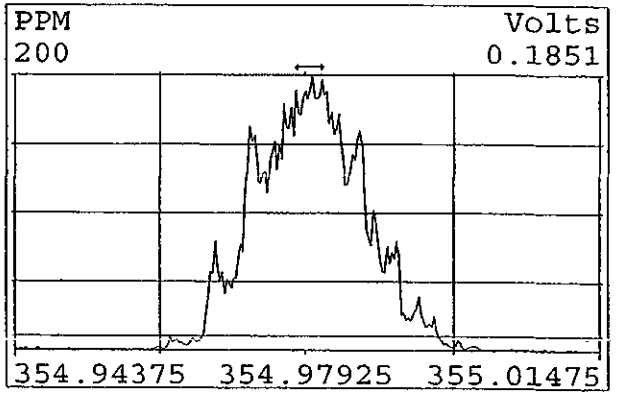


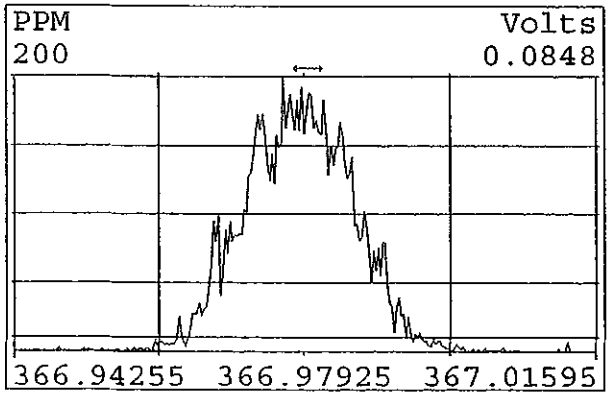


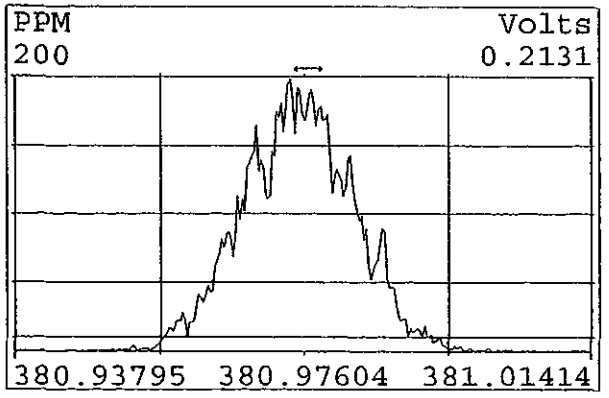




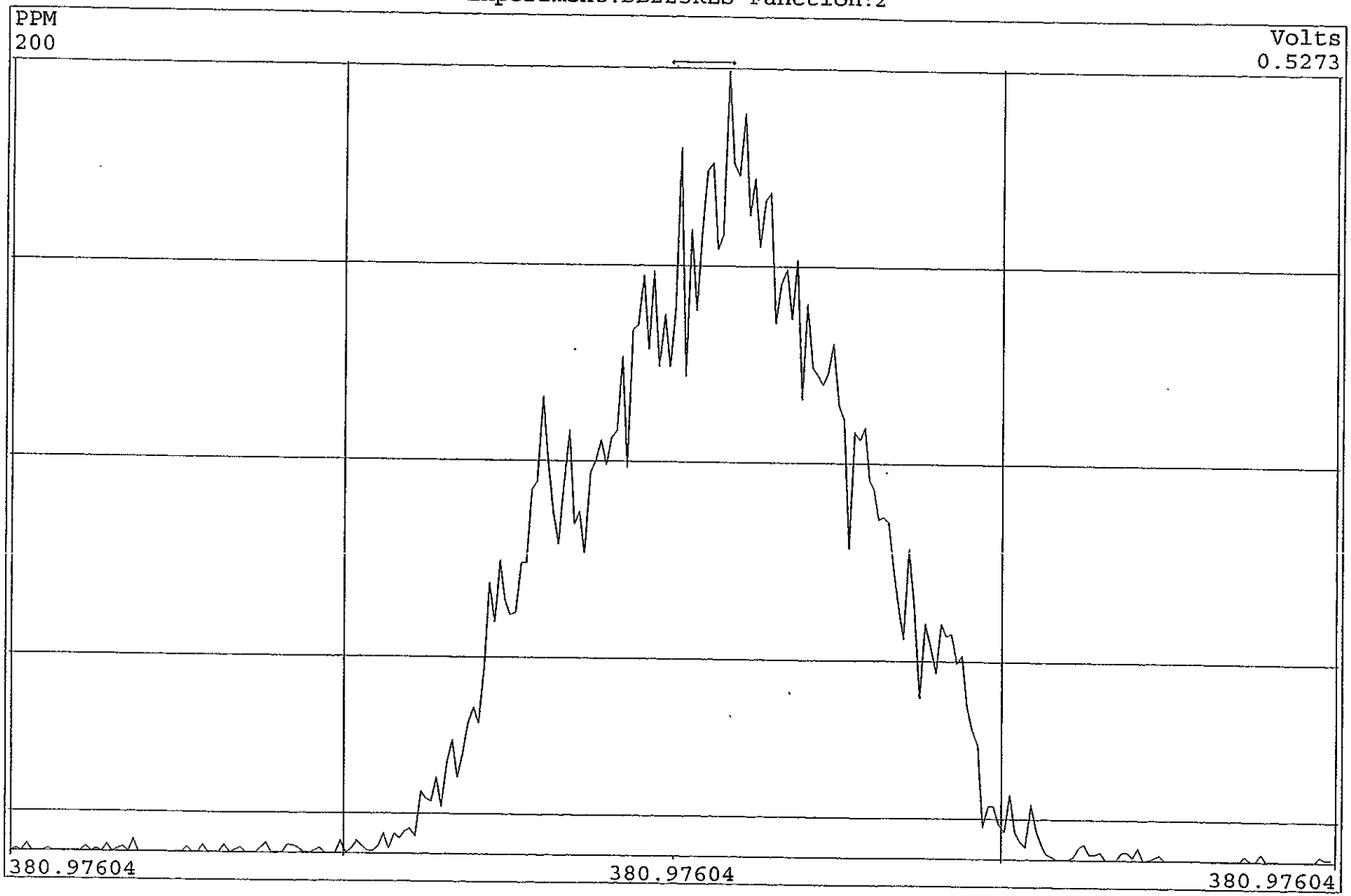




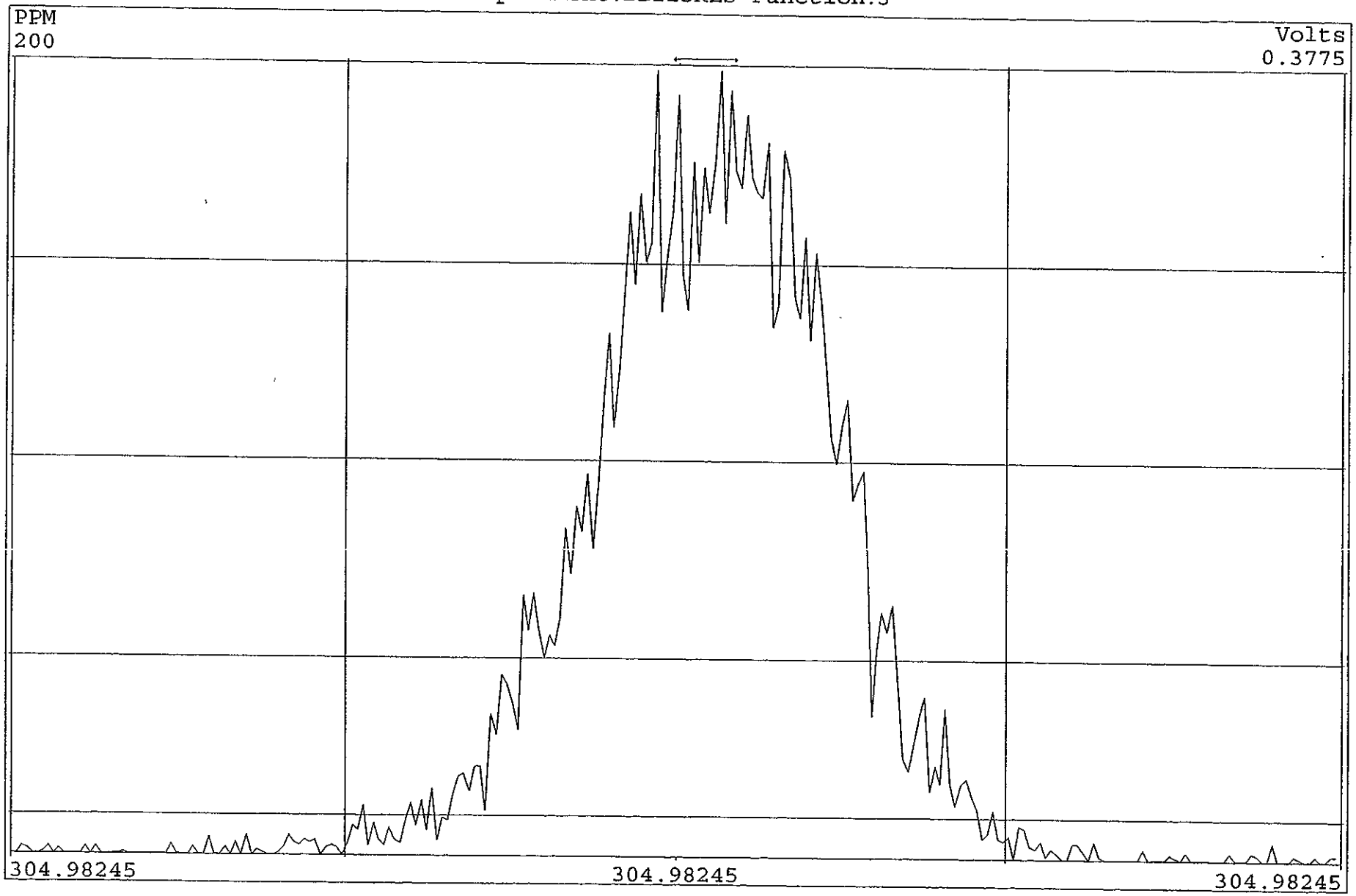




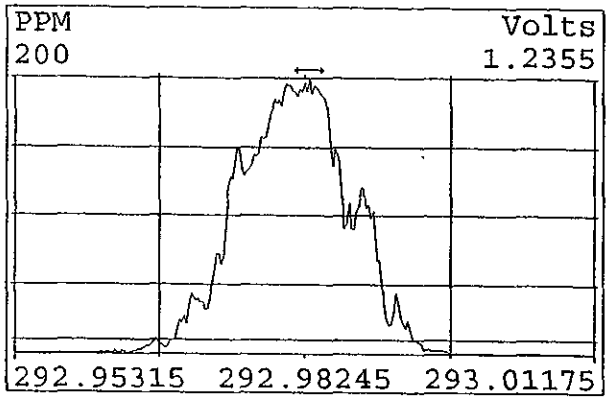
SIRLM Examination:10-MAY-2010:17:46 File:10MY105D2
Experiment:DB225RES Function:2

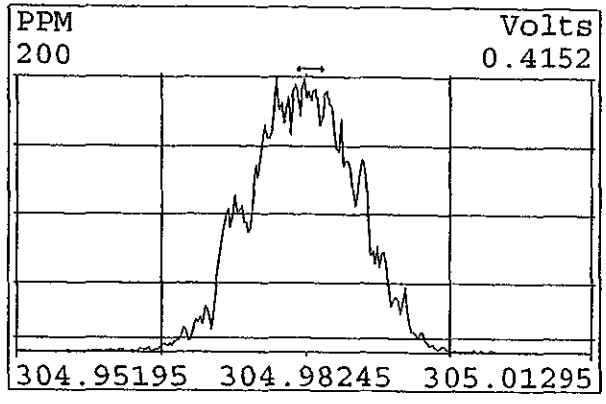


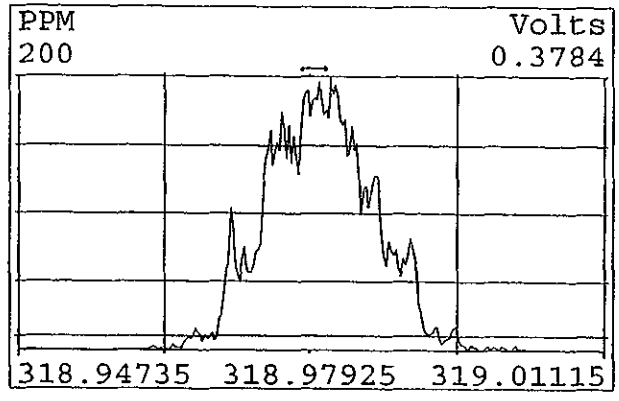
SIRLM Examination:10-MAY-2010:17:48 File:10MY105D2
Experiment:DB225RES Function:3

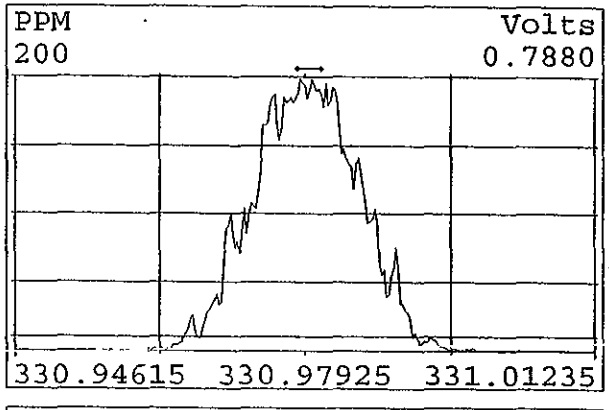


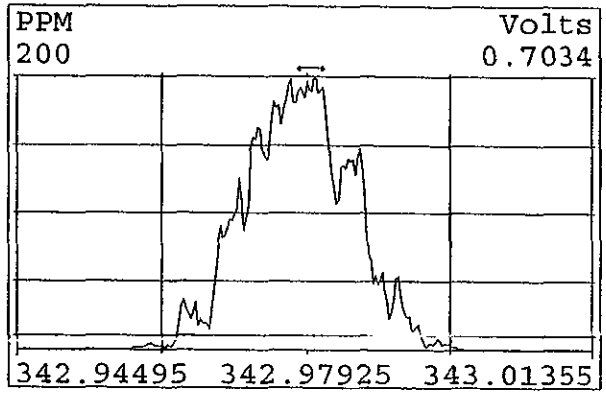
Peak Locate Examination:10-MAY-2010:22:50 File:RESCHK10MY105D2
Experiment:DB225RES Function:1 Reference:PFK

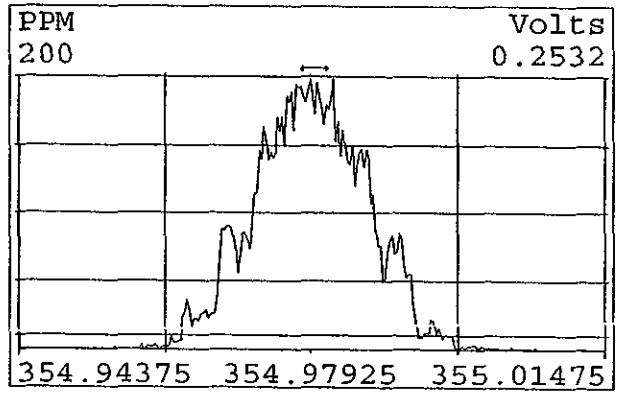


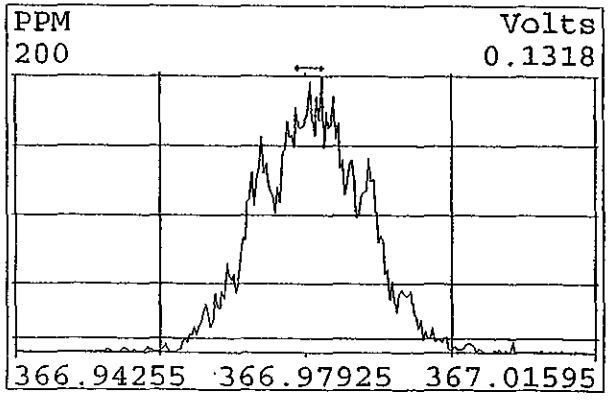


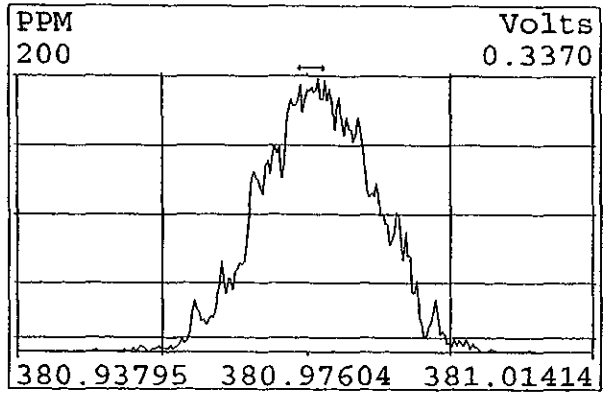




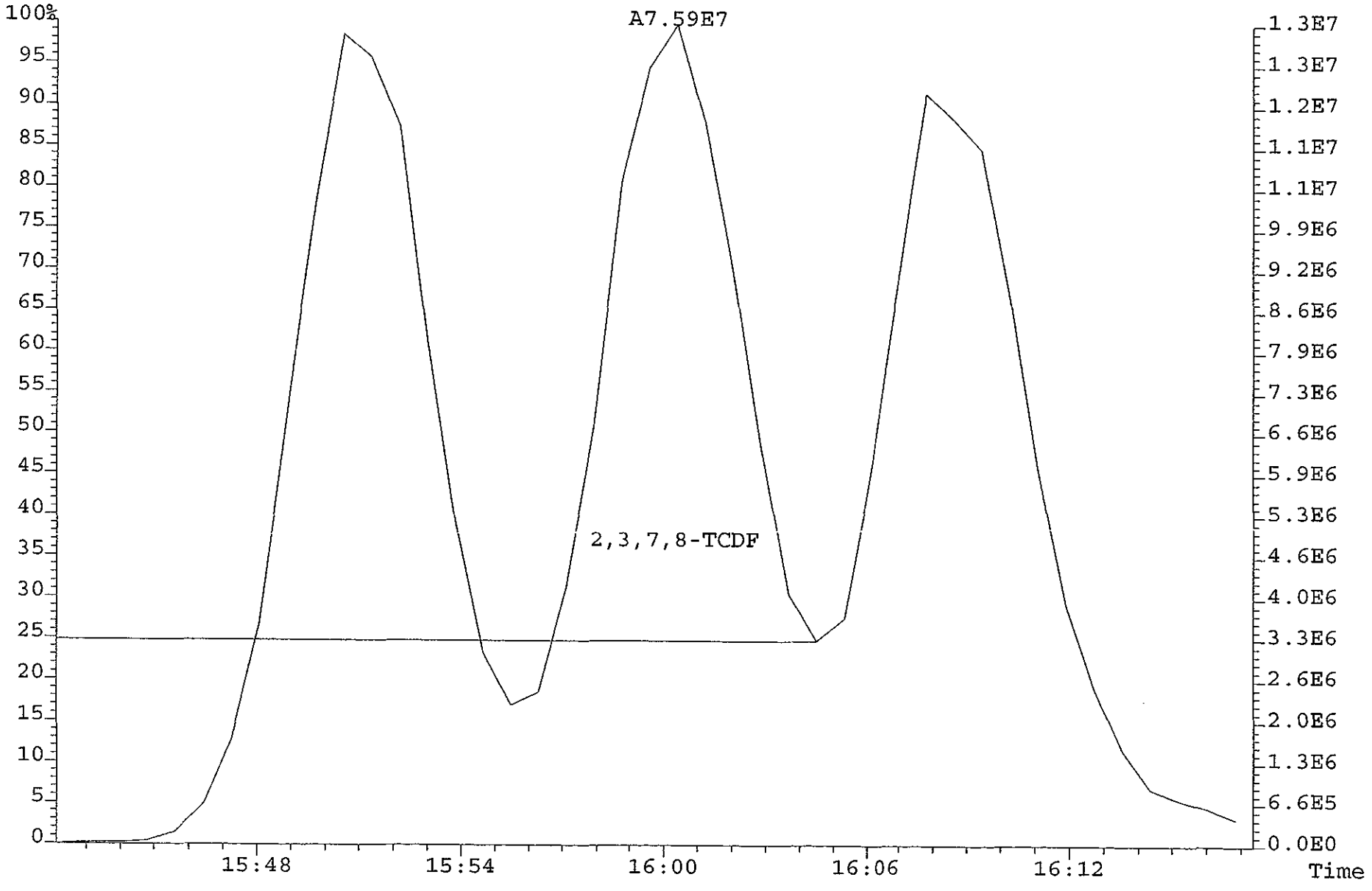








File:10MY105D2 #1-1050 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
305.8987 S:3 BSUB(128,15,-3.0) Exp:DB225RES Noise:1744

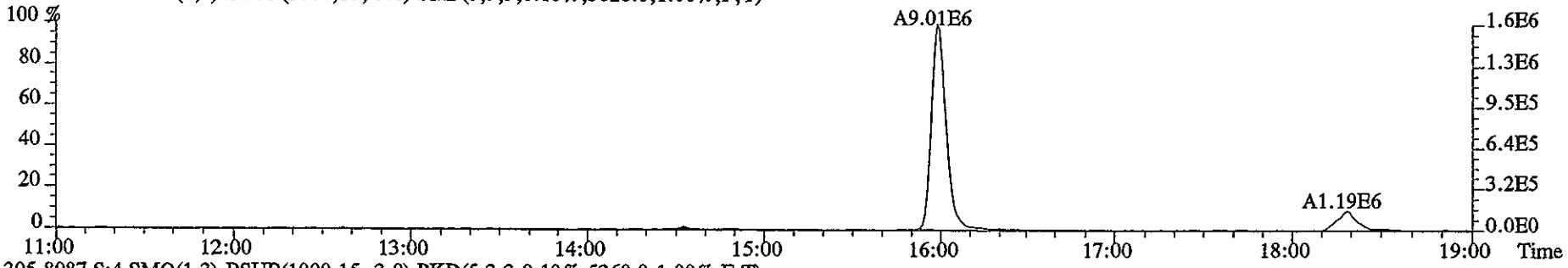


Run: 10MY105D2 Analyte: DB225HRS Cal: DB2250421105D2

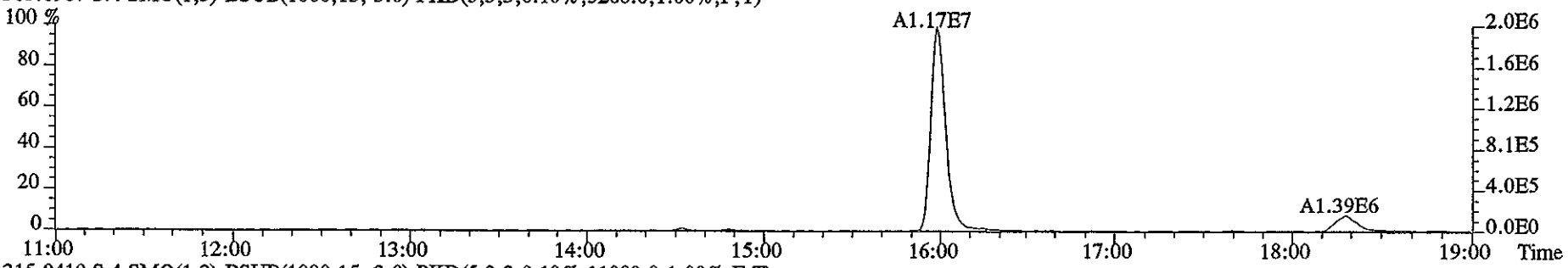
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

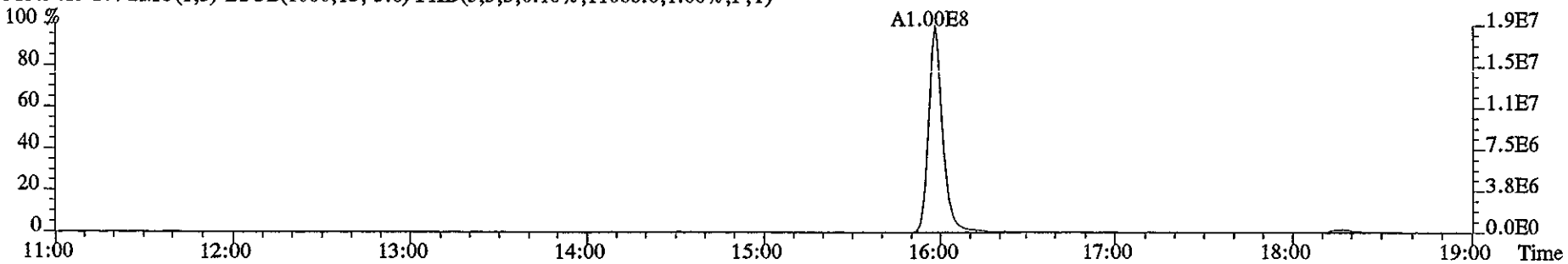
File:10MY105D2 #1-1242 Acq:10-MAY-2010 10:33:33 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0510 :CS3 10DXN083 Exp:DB225RES
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)



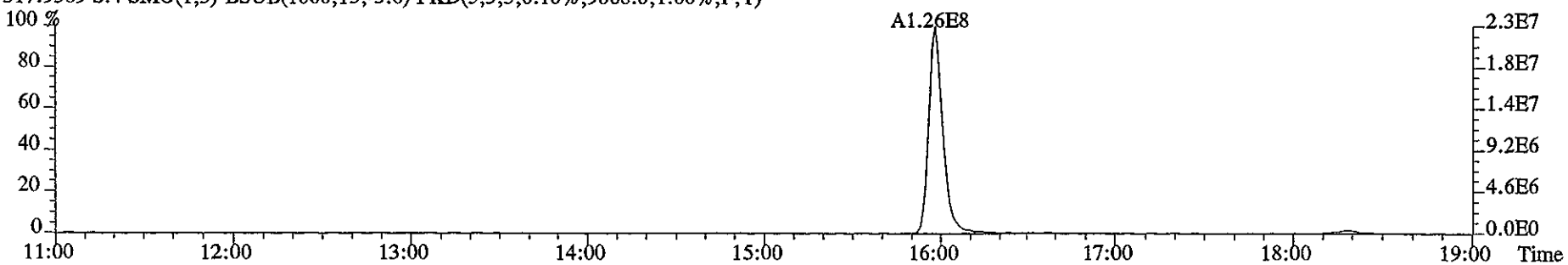
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5268.0,1.00%,F,T)



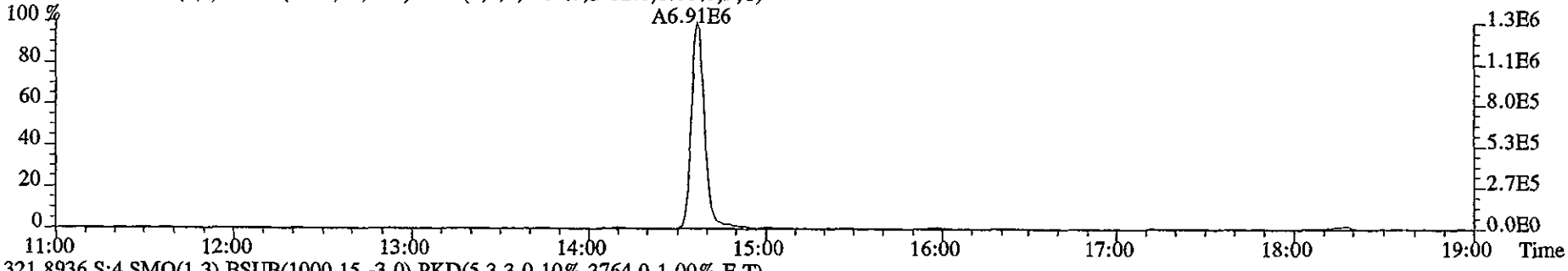
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11088.0,1.00%,F,T)



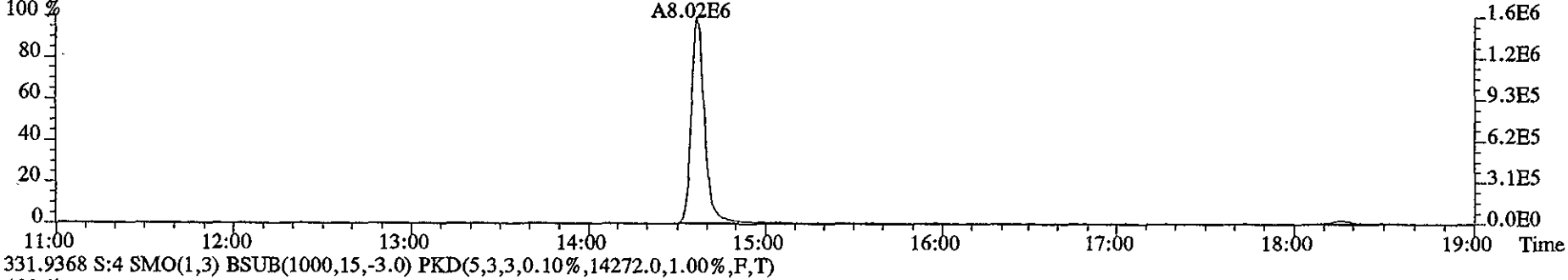
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9068.0,1.00%,F,T)



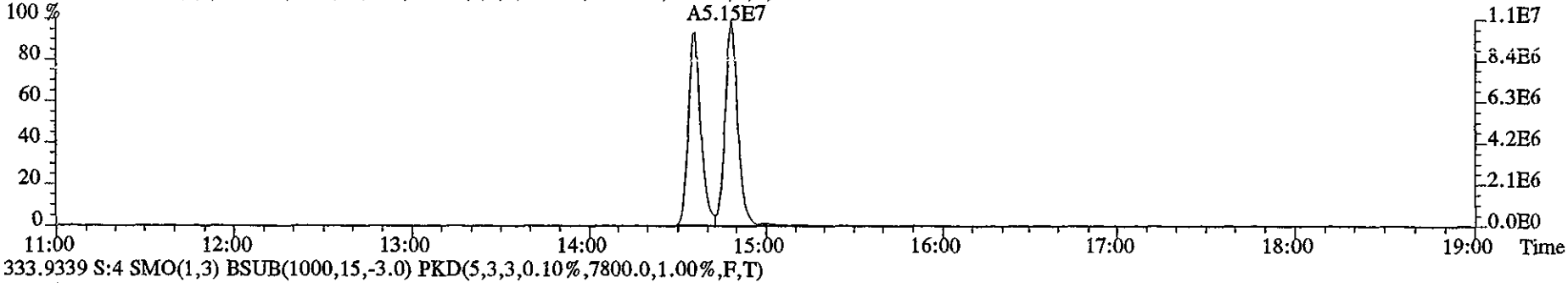
File:10MY105D2 #1-1242 Acq:10-MAY-2010 10:33:33 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0510 :CS3 10DXN083 Exp:DB225RES
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2652.0,1.00%,F,T)



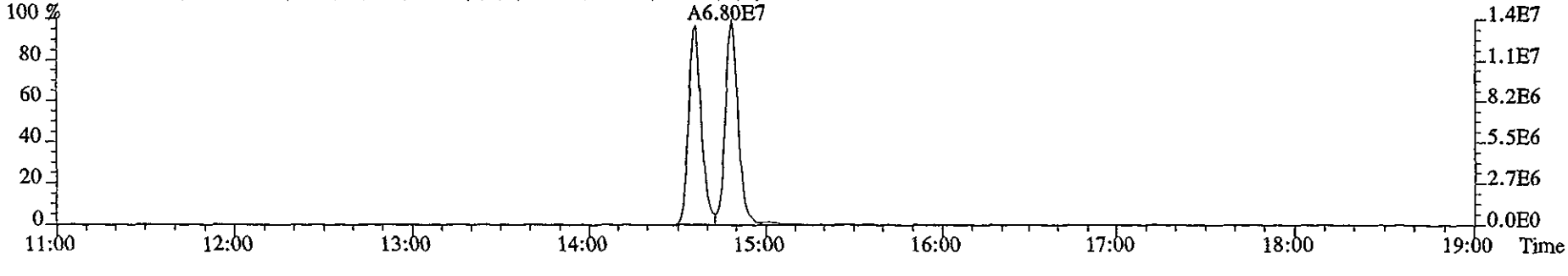
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3764.0,1.00%,F,T)



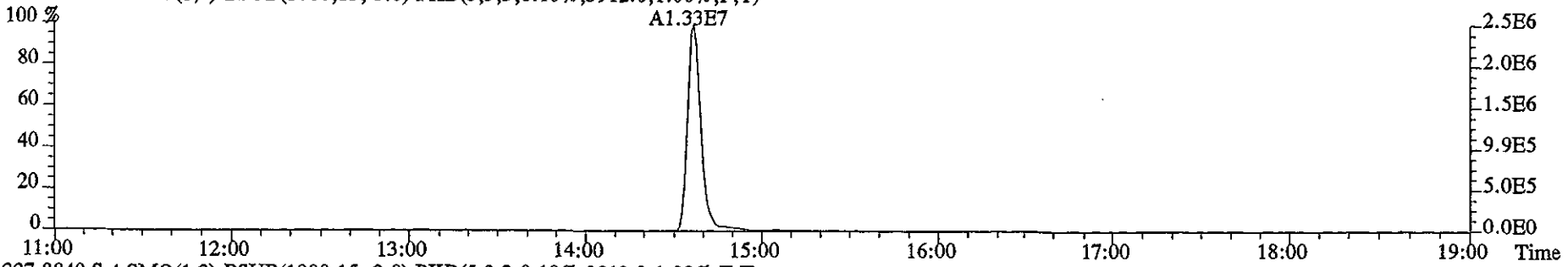
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14272.0,1.00%,F,T)



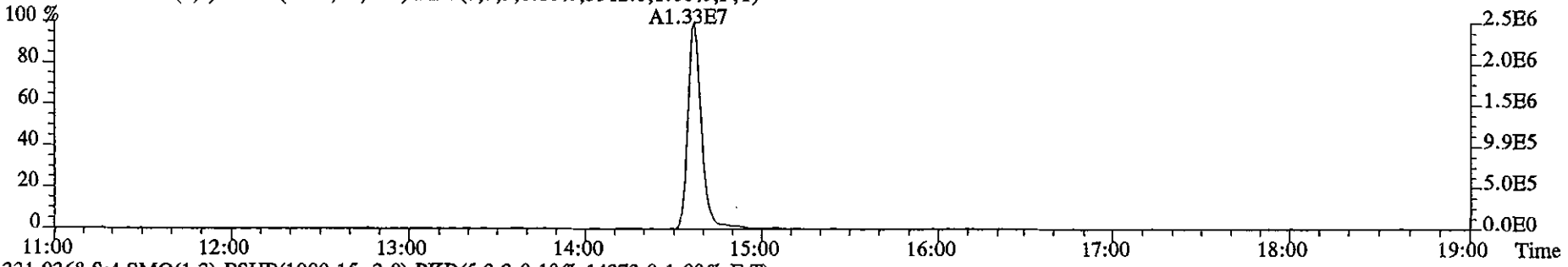
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7800.0,1.00%,F,T)



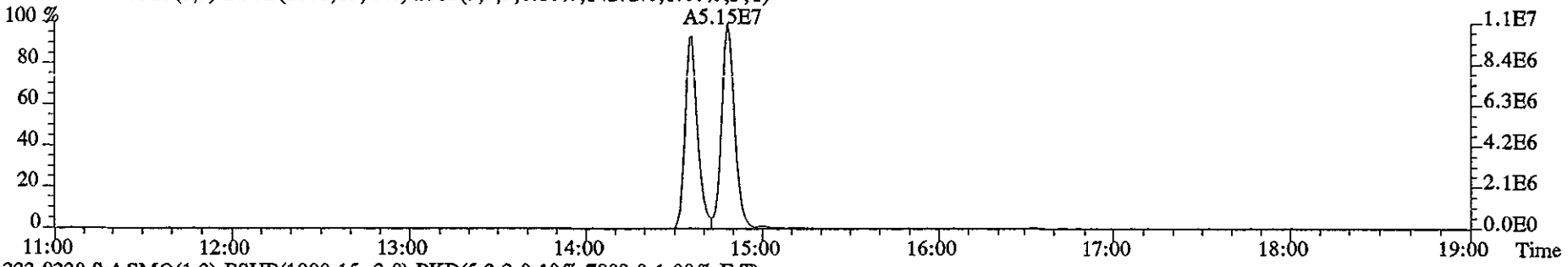
File:10MY105D2 #1-1242 Acq:10-MAY-2010 10:33:33 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0510 :CS3 10DXN083 Exp:DB225RES
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



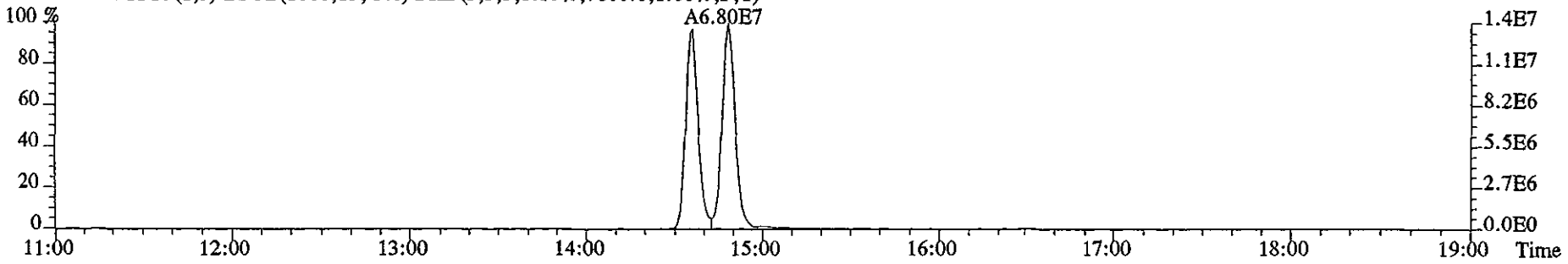
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)

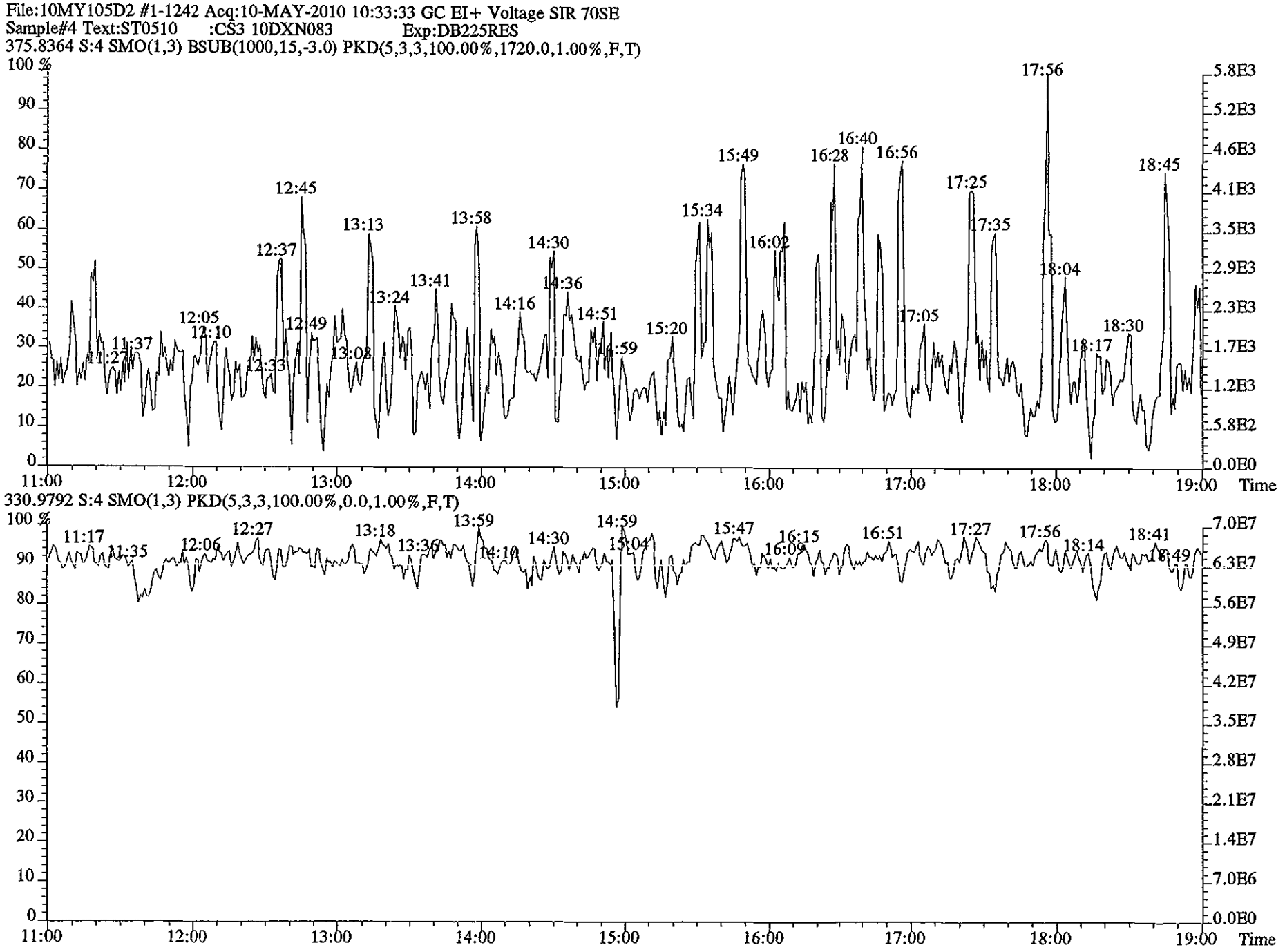


331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14272.0,1.00%,F,T)

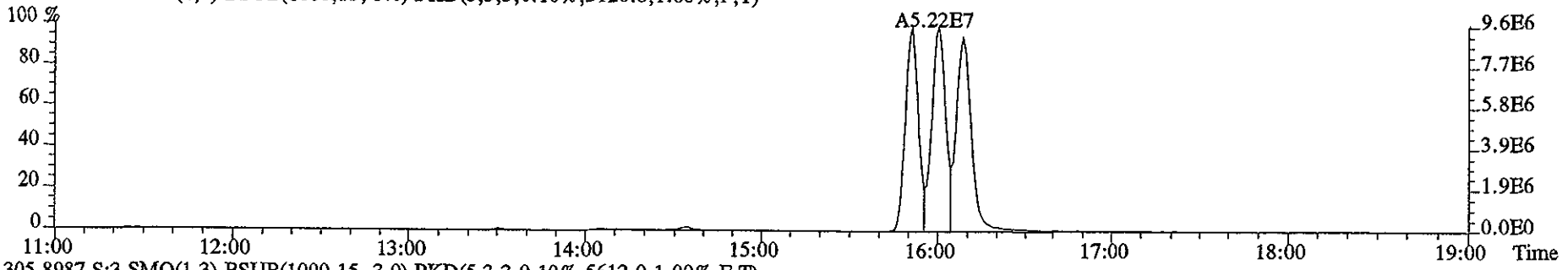


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7800.0,1.00%,F,T)

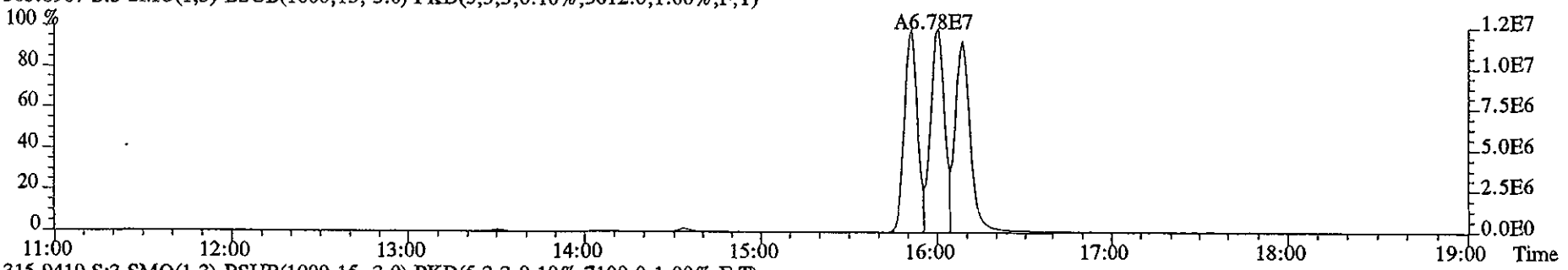




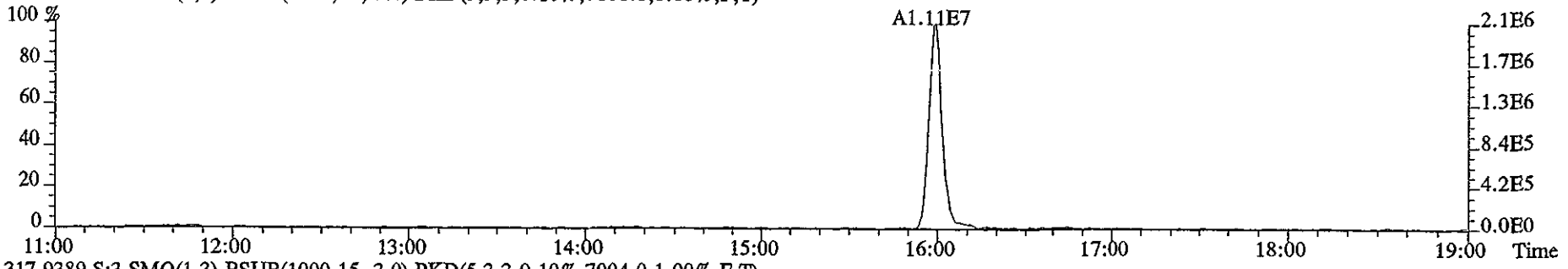
File:10MY105D2 #1-1241 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0510 :DB-225 CPSM 3732-06 Exp:DB225RES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3120.0,1.00%,F,T)



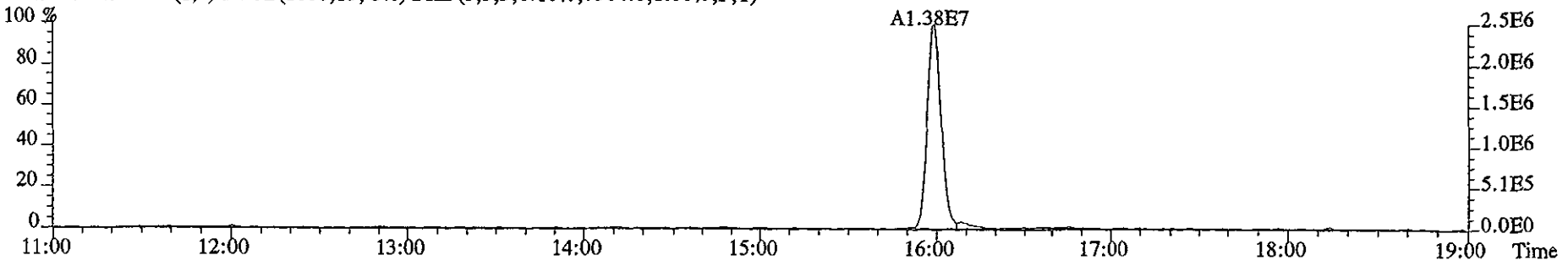
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5612.0,1.00%,F,T)



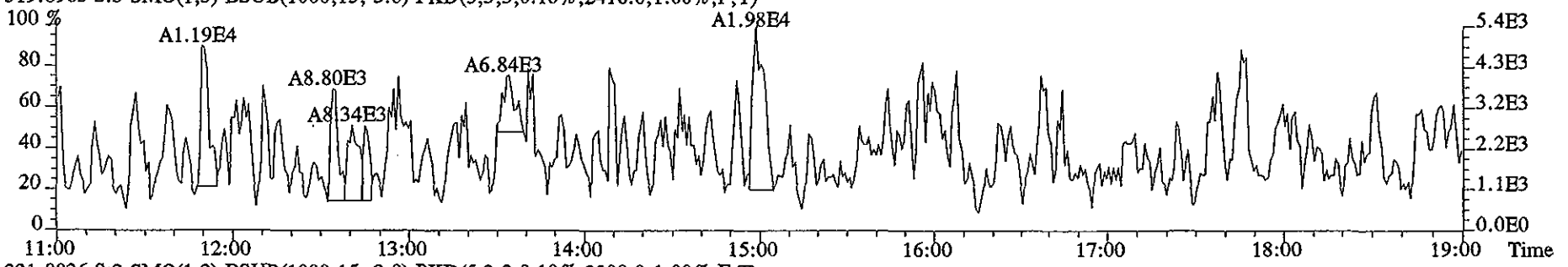
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7108.0,1.00%,F,T)



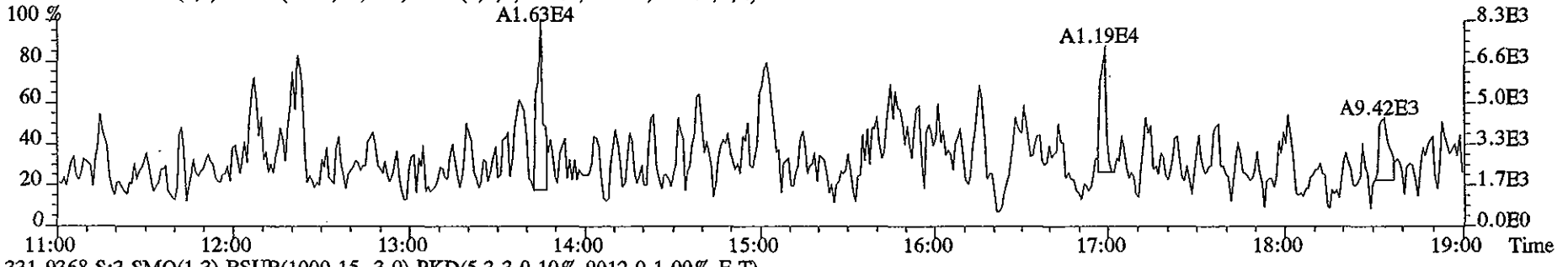
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7904.0,1.00%,F,T)



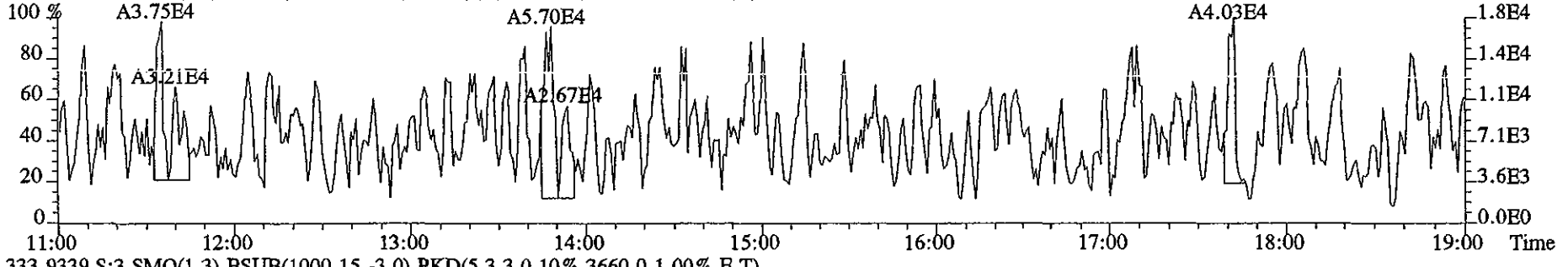
File:10MY105D2 #1-1241 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0510 :DB-225 CPSM 3732-06 Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T)



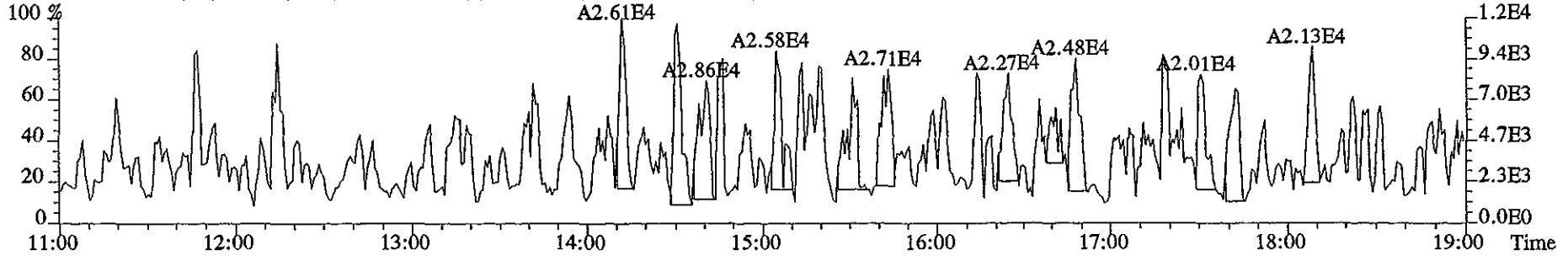
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)



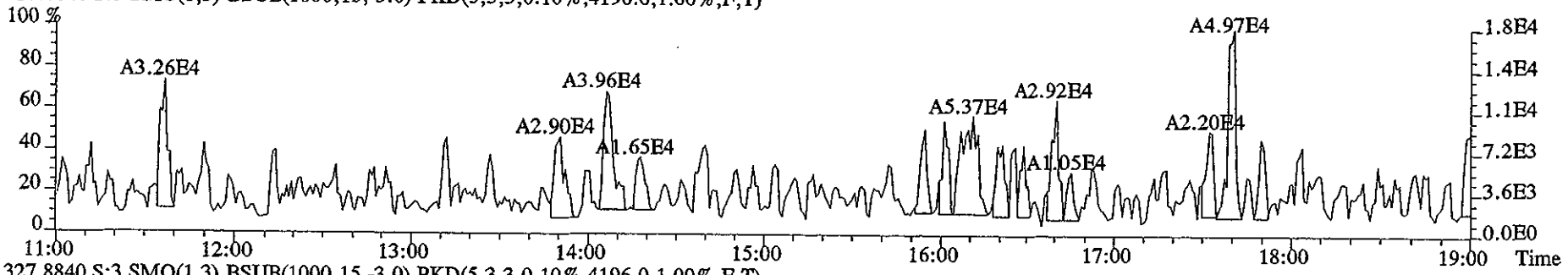
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9012.0,1.00%,F,T)



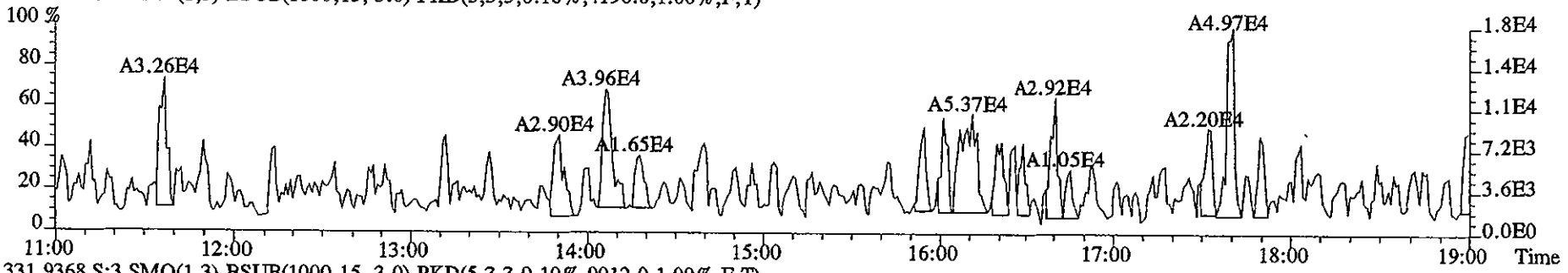
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3660.0,1.00%,F,T)



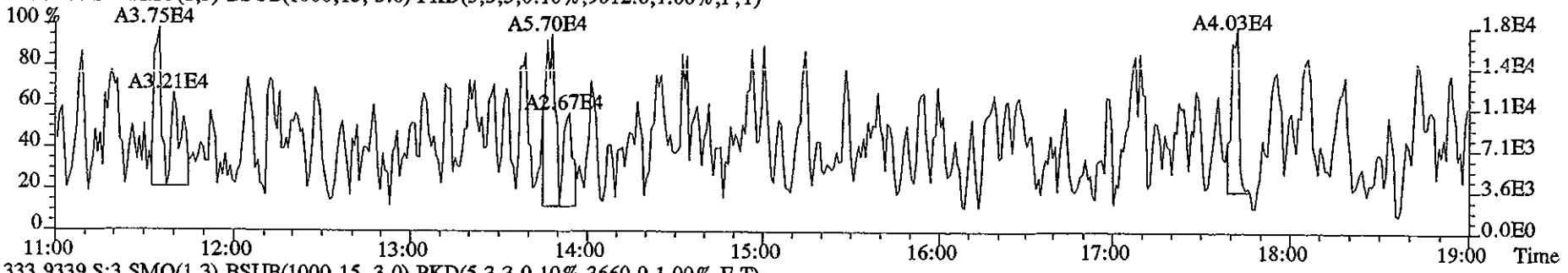
File:10MY105D2 #1-1241 Acq:10-MAY-2010 09:56:33 GC EI+ Voltage SIR 70SE
Sample#3 Text:CP0510 :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4196.0,1.00%,F,T)



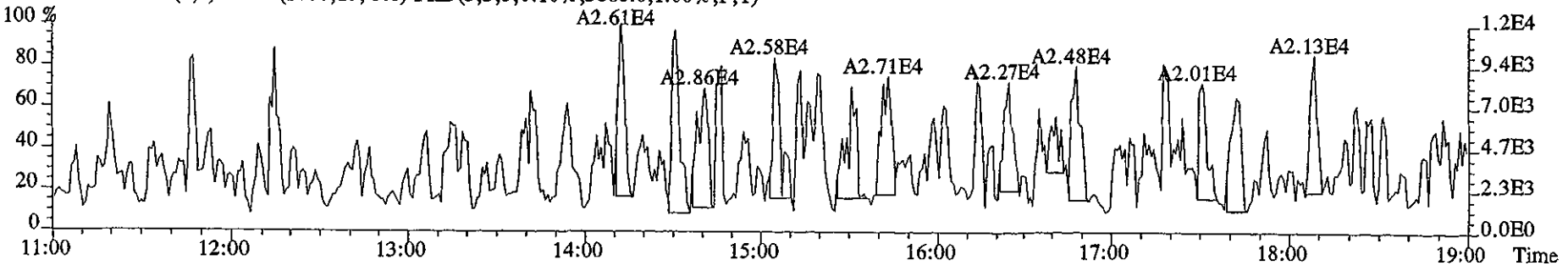
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4196.0,1.00%,F,T)

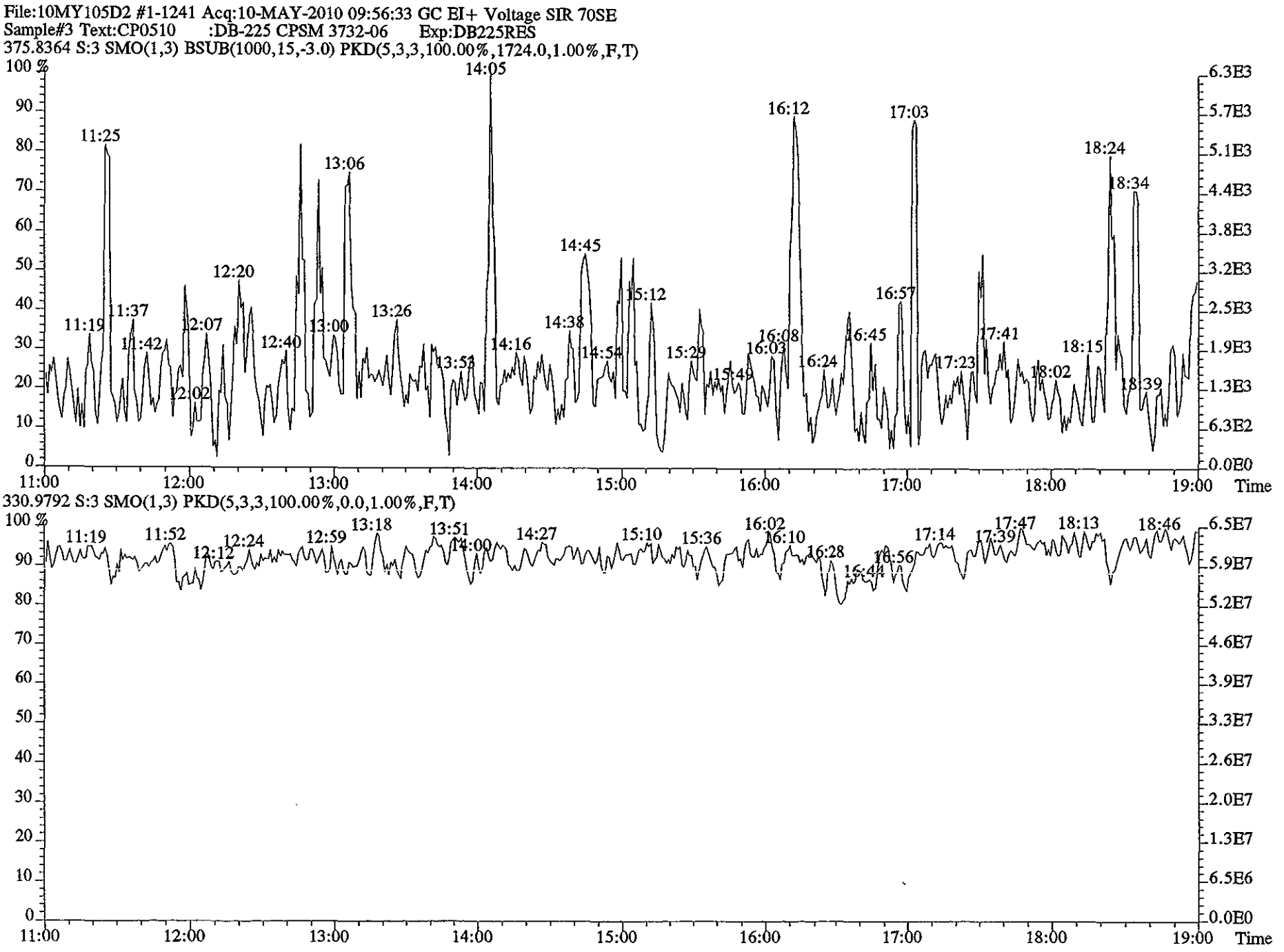


331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9012.0,1.00%,F,T)

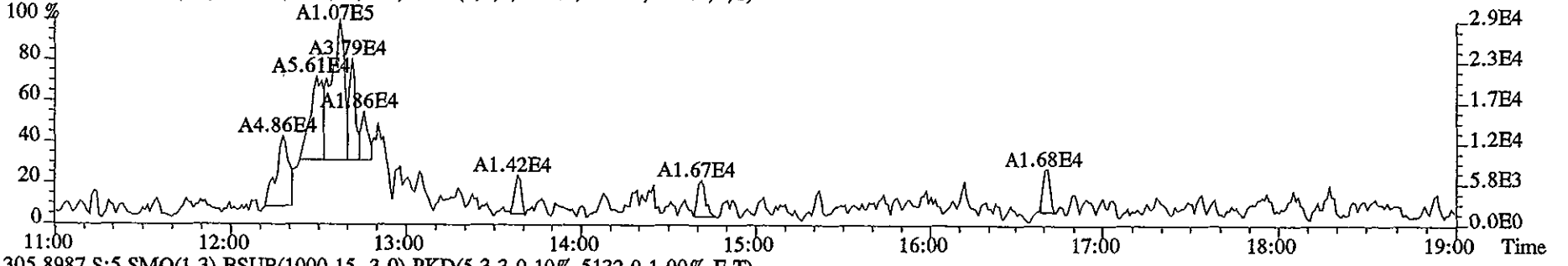


333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3660.0,1.00%,F,T)

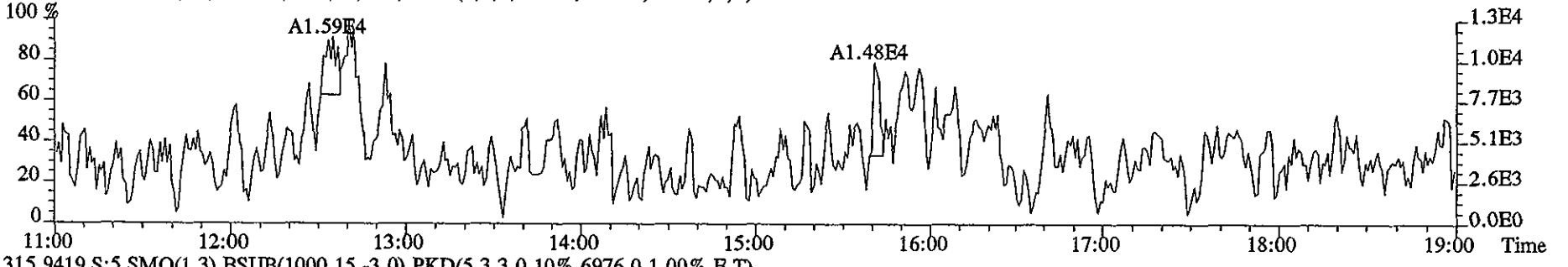




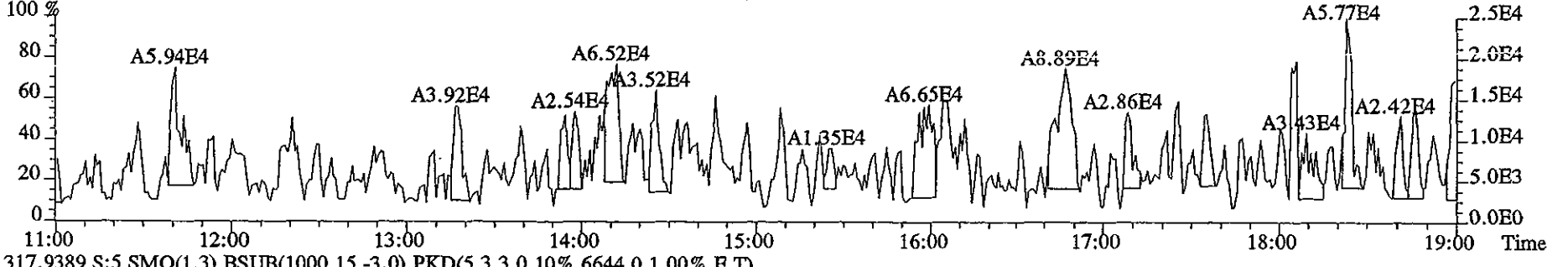
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3064.0,1.00%,F,T)



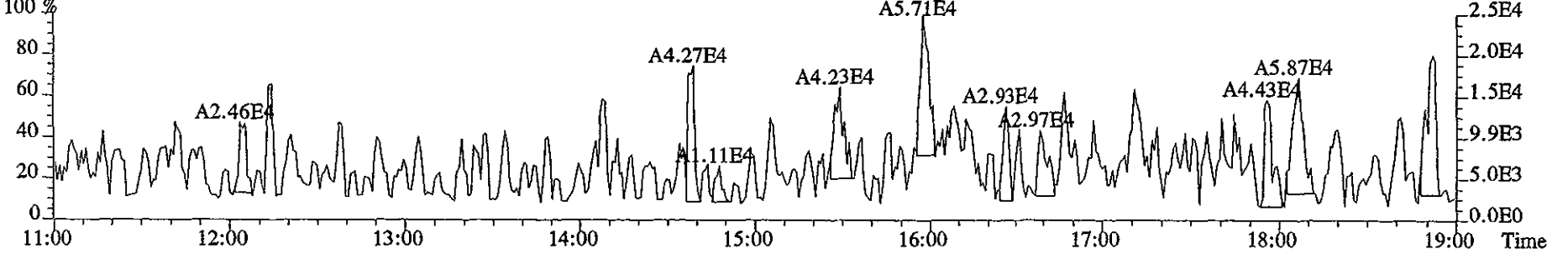
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)



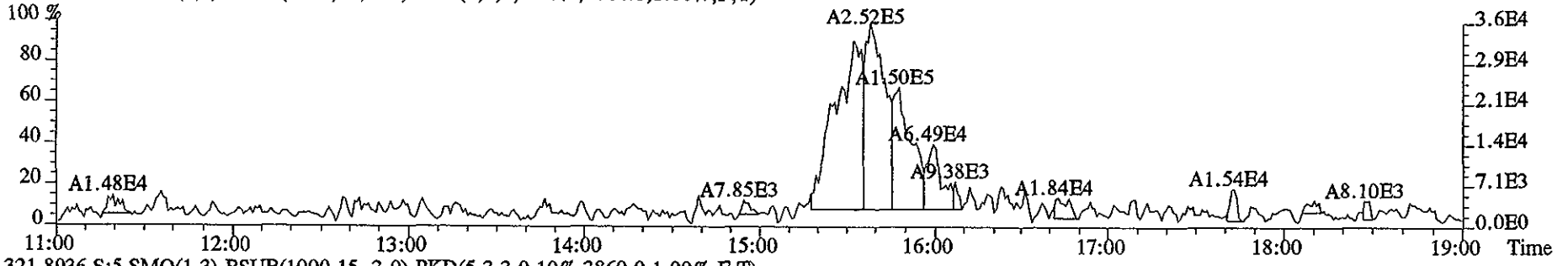
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6976.0,1.00%,F,T)



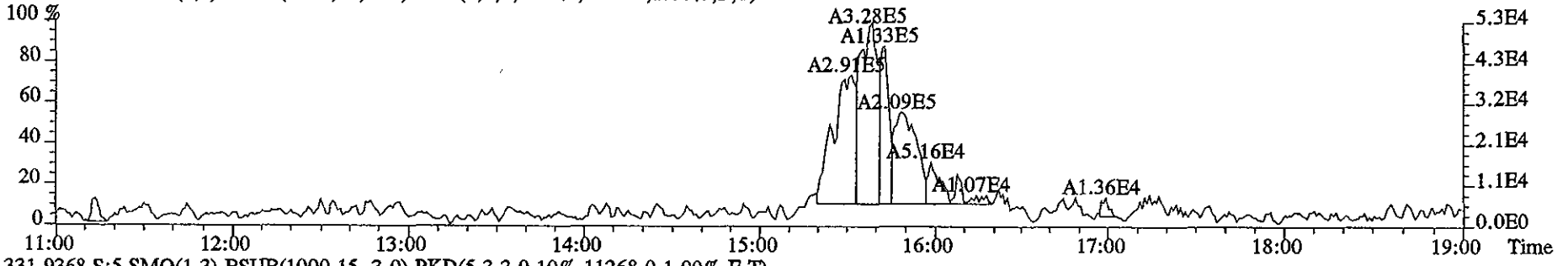
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6644.0,1.00%,F,T)



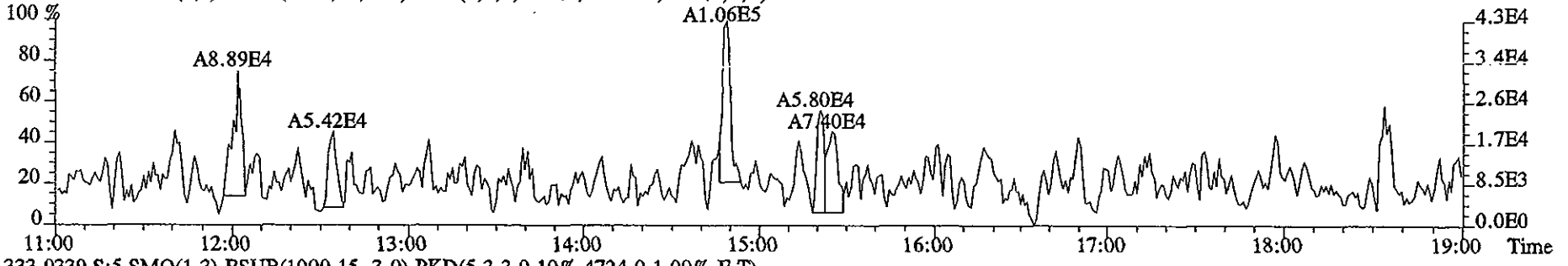
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3064.0,1.00%,F,T)



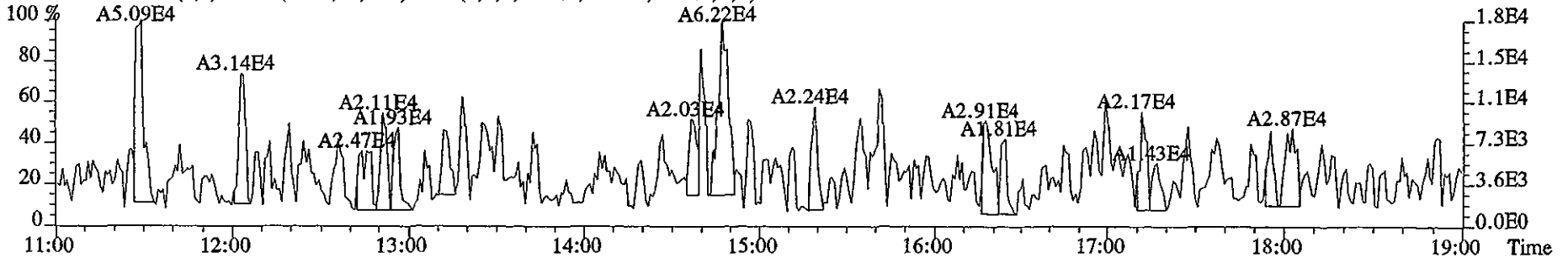
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3860.0,1.00%,F,T)



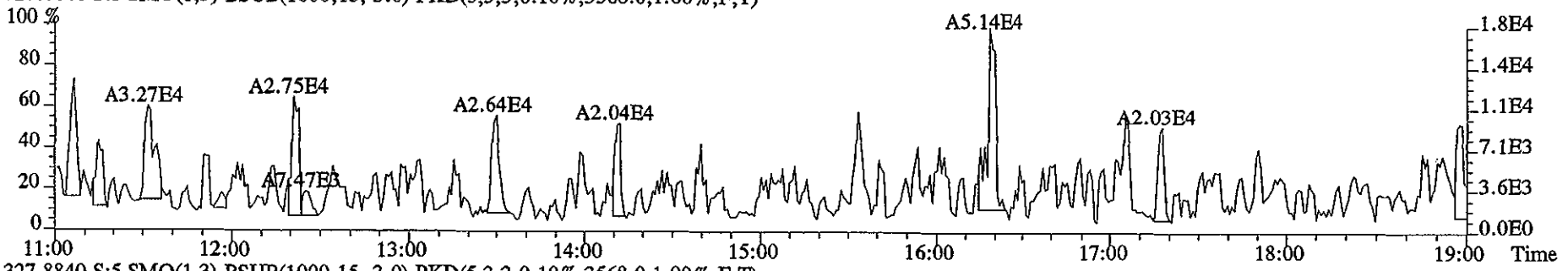
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11268.0,1.00%,F,T)



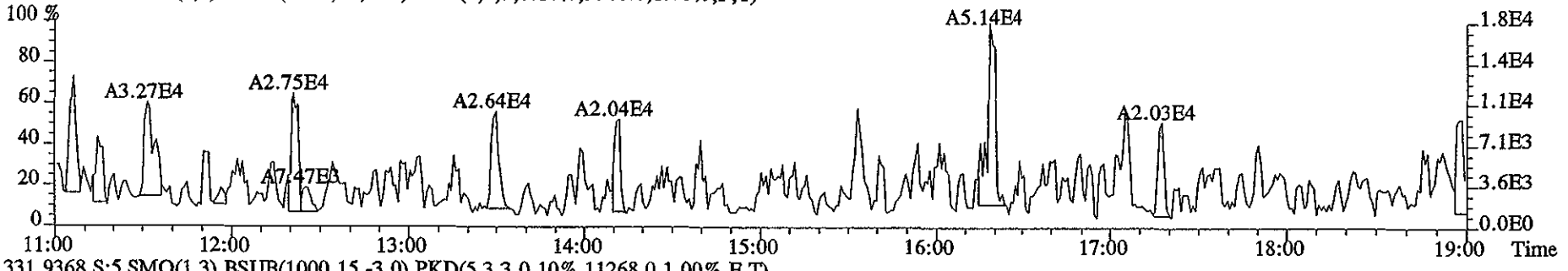
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)



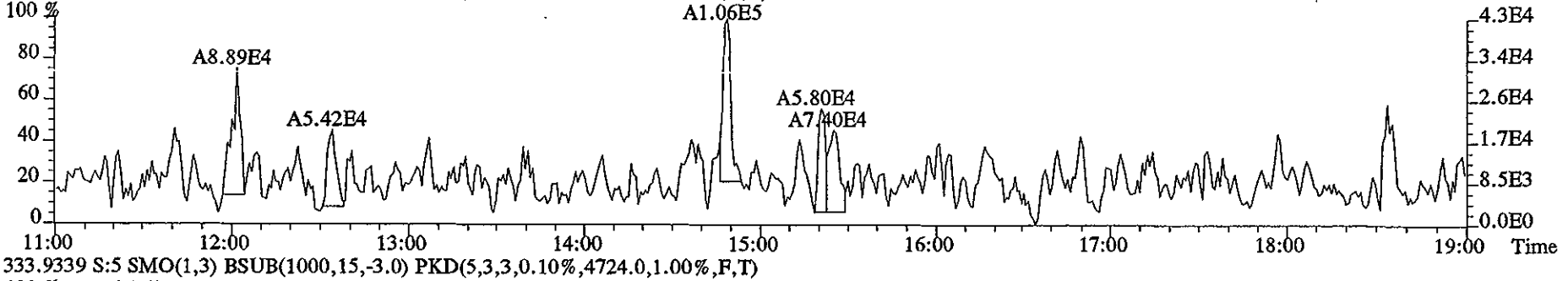
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3568.0,1.00%,F,T)



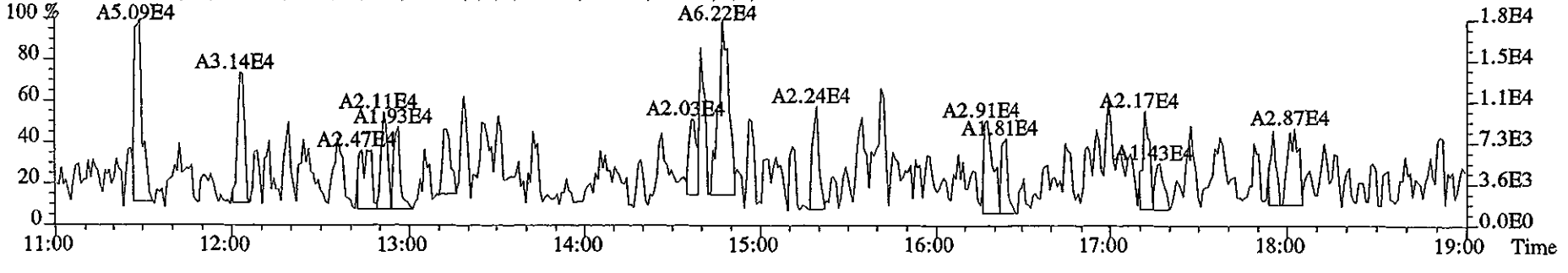
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3568.0,1.00%,F,T)



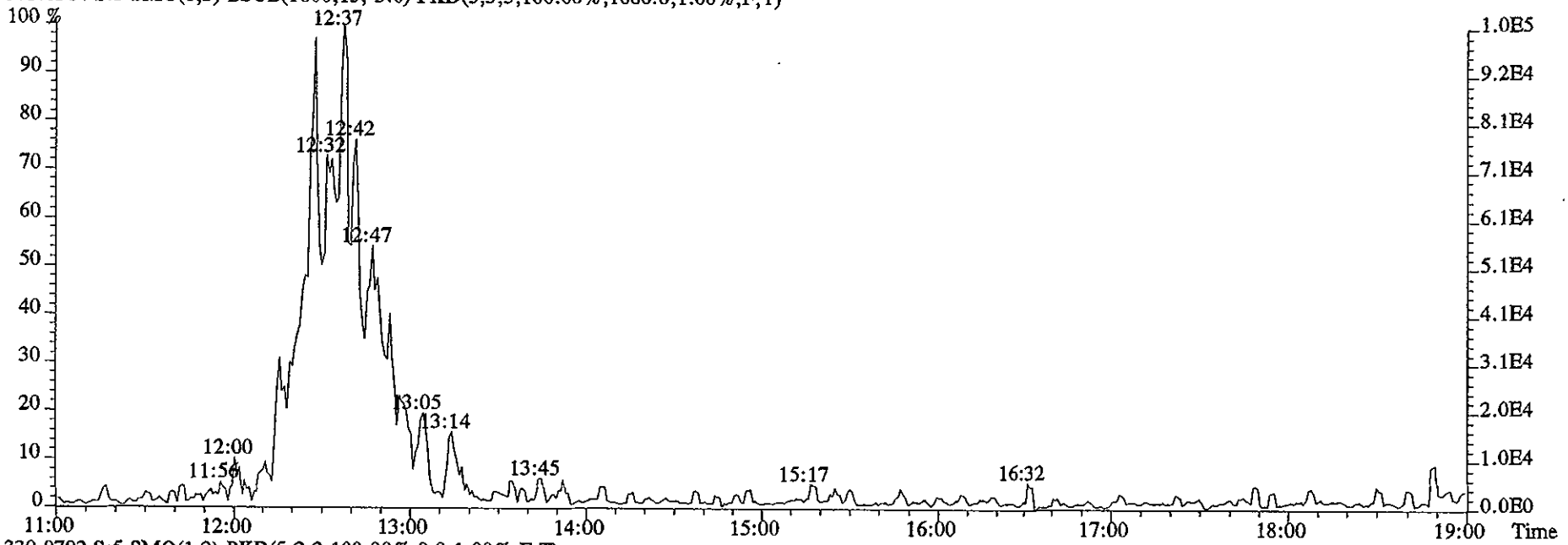
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11268.0,1.00%,F,T)



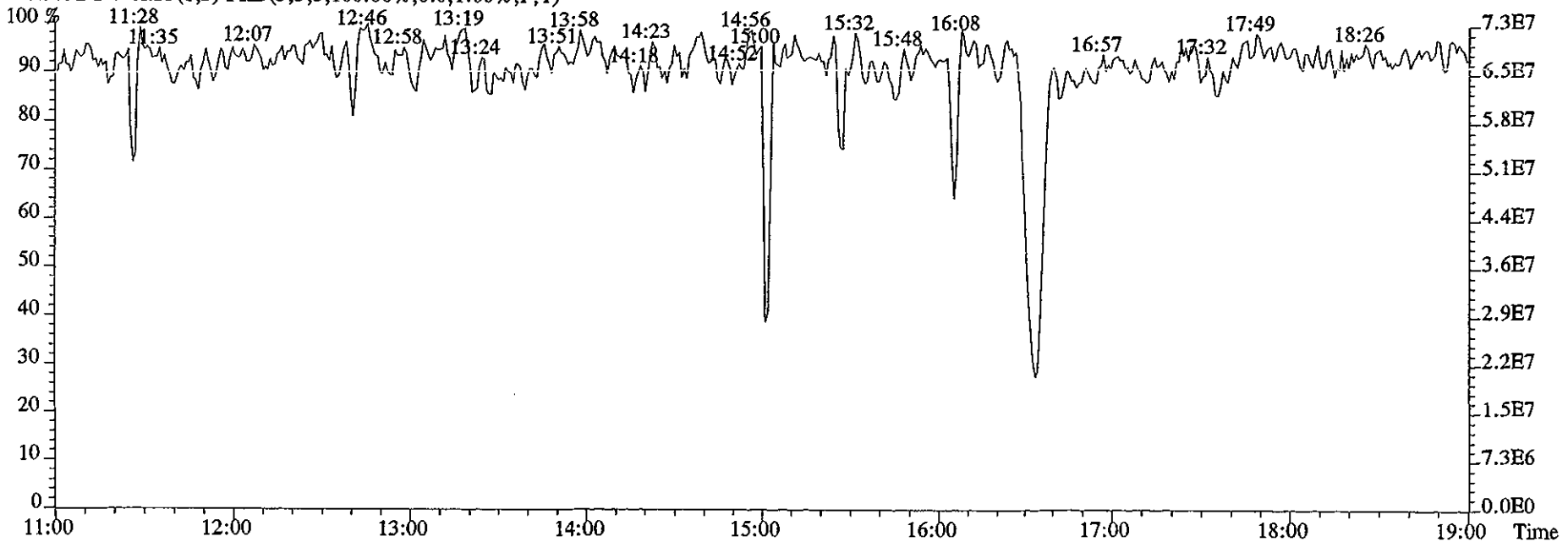
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)



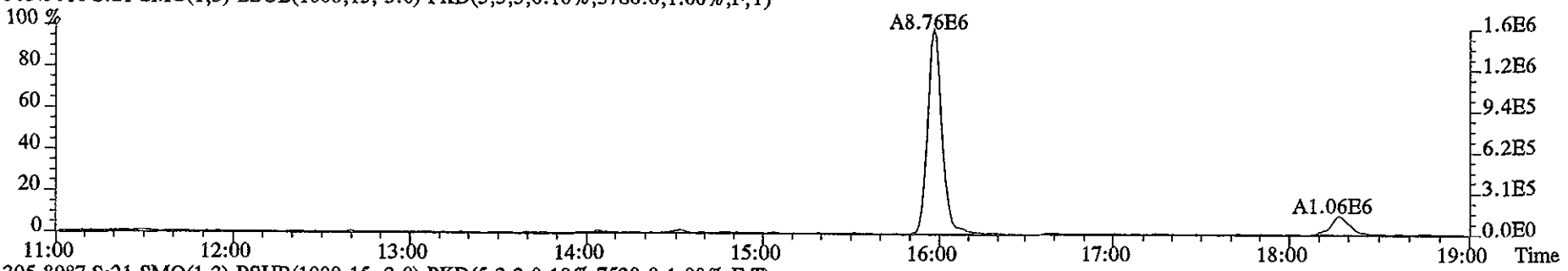
File:10MY105D2 #1-1241 Acq:10-MAY-2010 11:10:38 GC EI+ Voltage SIR 70SE
Sample#5 Text:SB0510 :Solvent Blank C-14 Exp:DB225RES
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1680.0,1.00%,F,T)



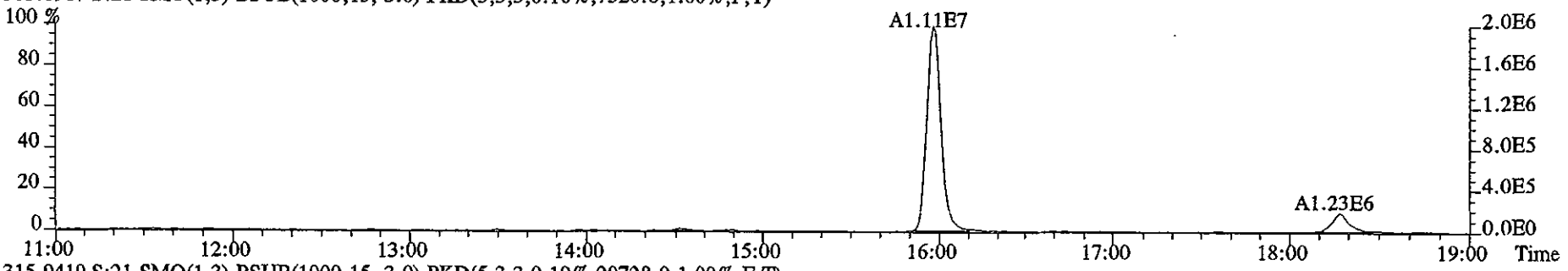
330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



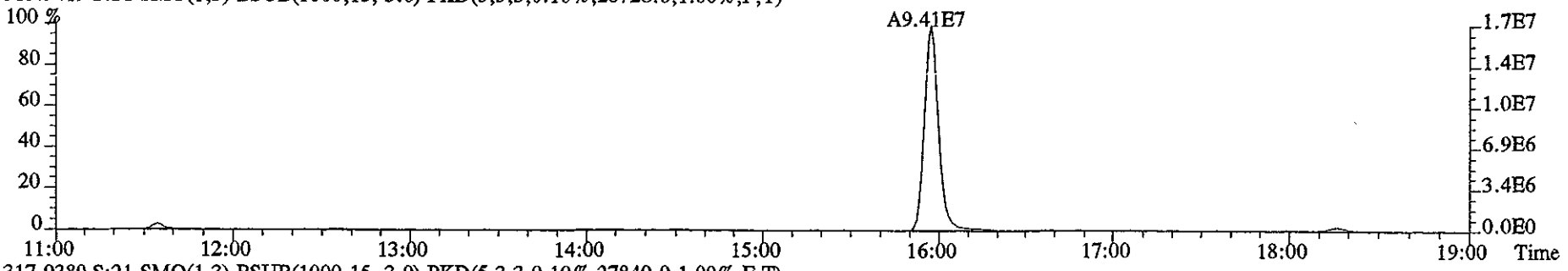
File:10MY105D2 #1-1242 Acq:10-MAY-2010 21:03:37 GC EI+ Voltage SIR 70SE
Sample#21 Text:ST0510A :CS3 10DXN083 Exp:DB225RES
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5780.0,1.00%,F,T)



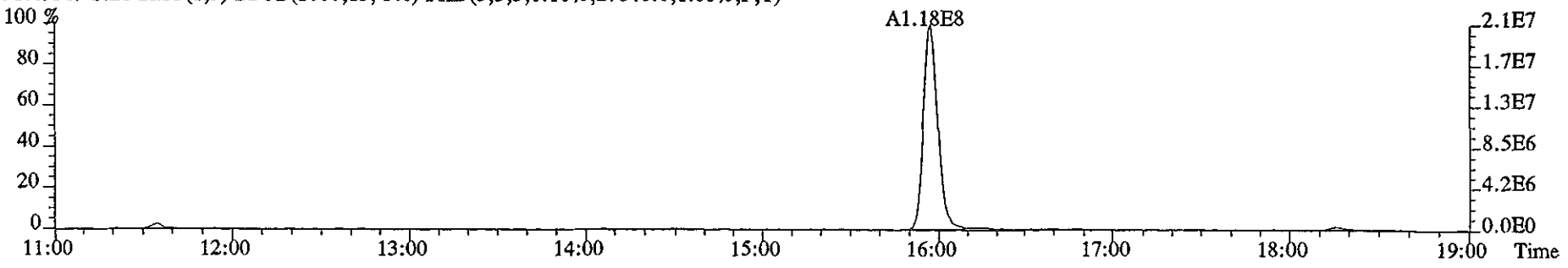
305.8987 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7520.0,1.00%,F,T)



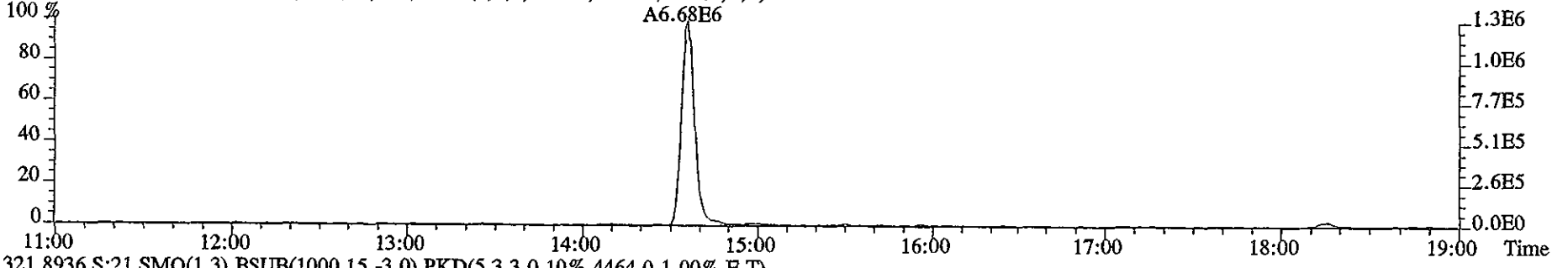
315.9419 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20728.0,1.00%,F,T)



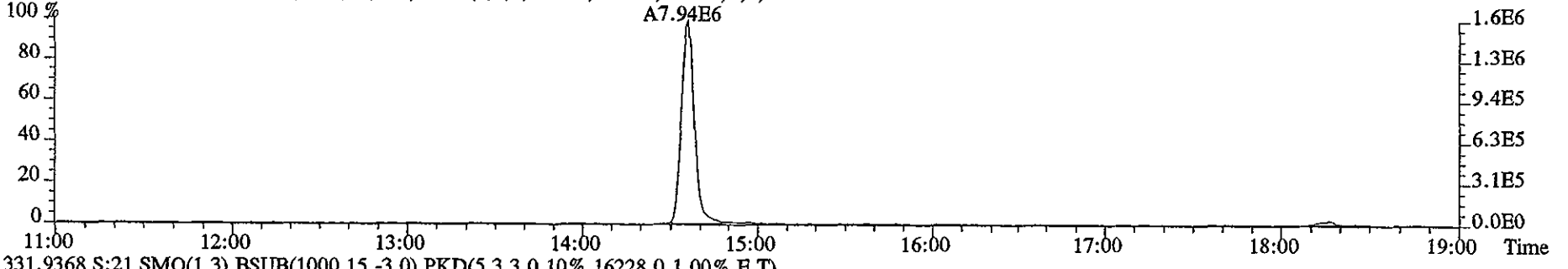
317.9389 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27840.0,1.00%,F,T)



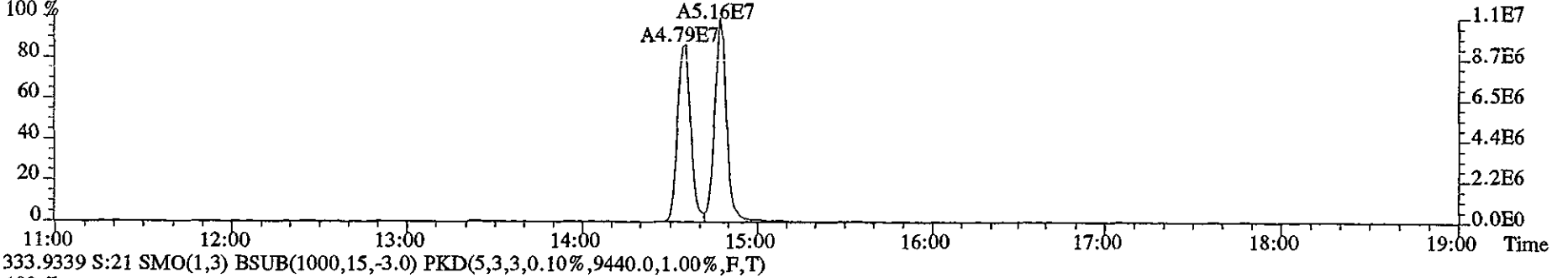
File:10MY105D2 #1-1242 Acq:10-MAY-2010 21:03:37 GC EI+ Voltage SIR 70SE
Sample#21 Text:ST0510A :CS3 10DXN083 Exp:DB225RES
319.8965 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4456.0,1.00%,F,T)



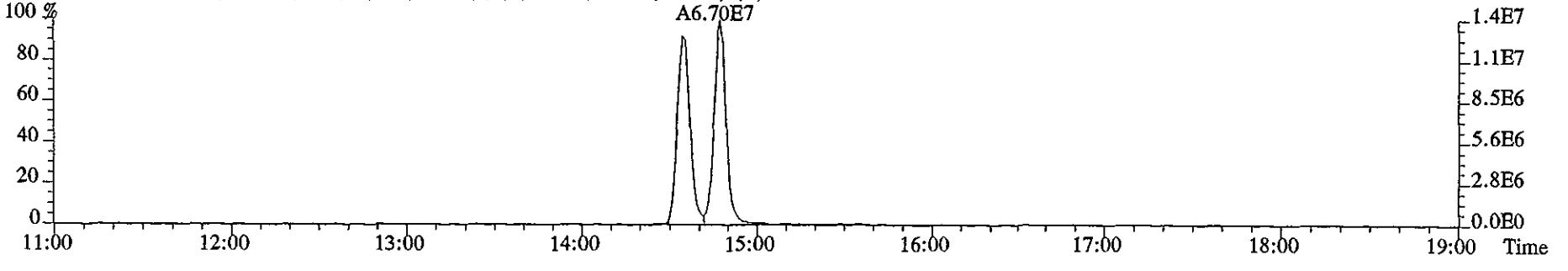
321.8936 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4464.0,1.00%,F,T)



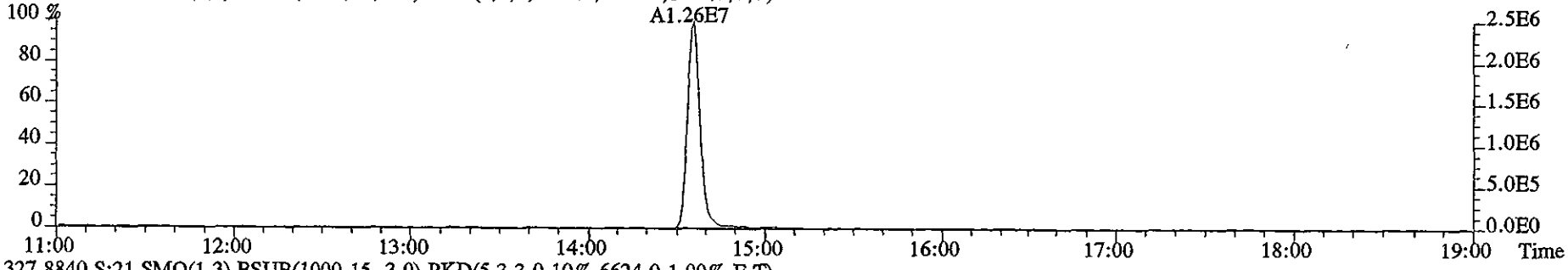
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16228.0,1.00%,F,T)



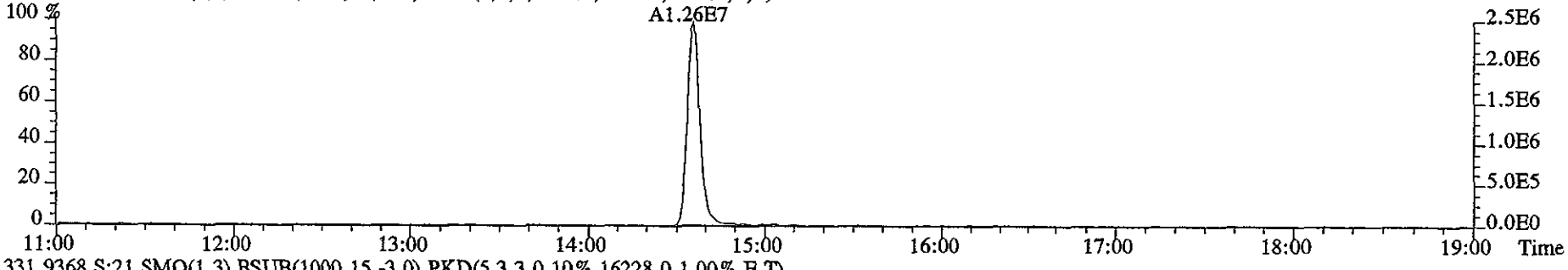
333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9440.0,1.00%,F,T)



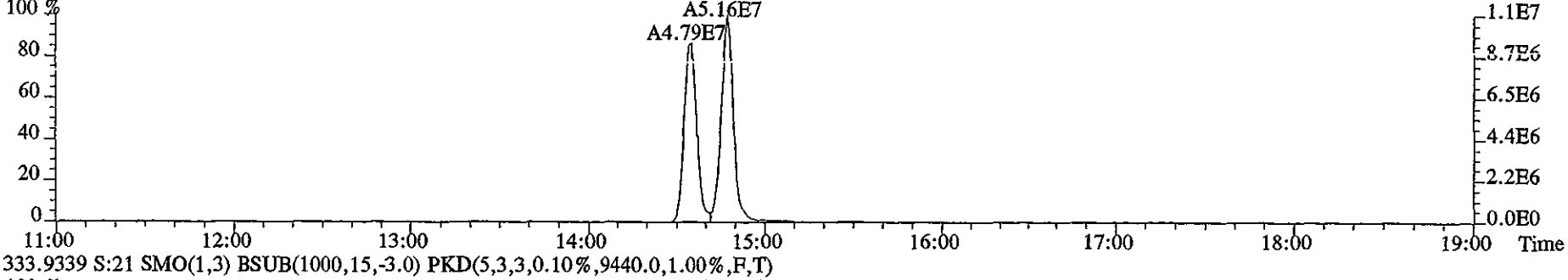
File:10MY105D2 #1-1242 Acq:10-MAY-2010 21:03:37 GC EI+ Voltage SIR 70SE
Sample#21 Text:ST0510A :CS3 10DXN083 Exp:DB225RES
327.8840 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6624.0,1.00%,F,T)



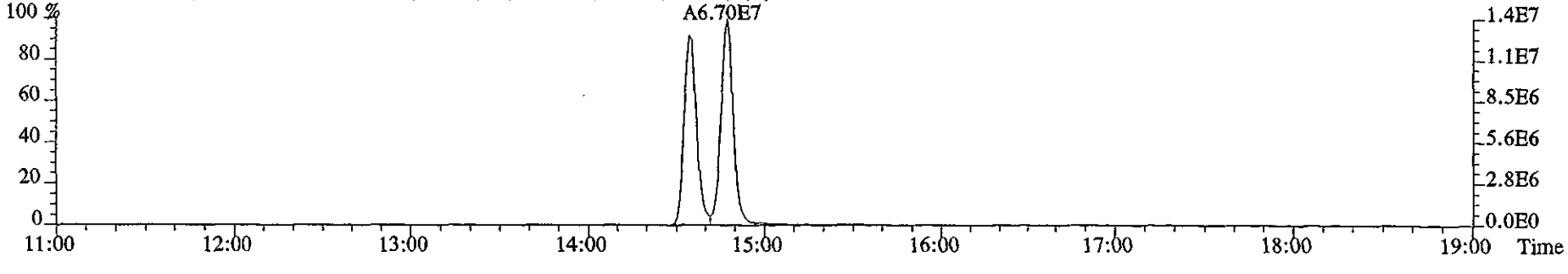
327.8840 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6624.0,1.00%,F,T)

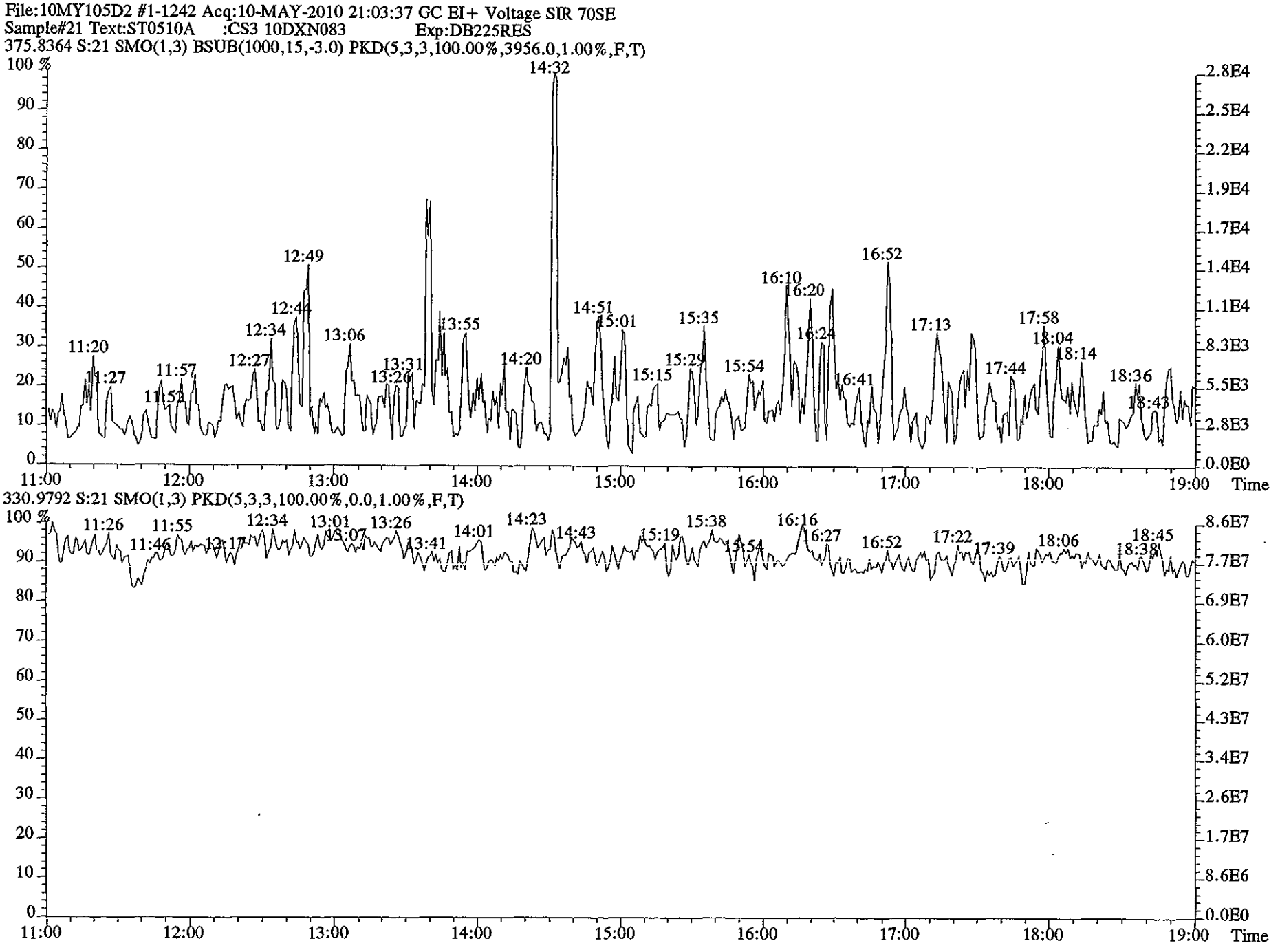


331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16228.0,1.00%,F,T)



333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9440.0,1.00%,F,T)





Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID 8290A041210405

Method ID 8290A | Date Scanned _____

Column ID DB5 | Instrument ID 405

STD ID's STD412(B,A,_,D,C) | STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN426, 09DXN456

GC Program OCDD | Multiplier Setting 410

Analyzed By M.G. | Date Analyzed 4/12/10

Prepared By M.G | Date Prepared 4/14/10

Reviewed By MAT | Date Reviewed 4/14/10

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

ST0412B :CS-1 09DXN422 ST0412A :CS-2 09DXN423 ST0412 :CS-3 10DXN111
ST0412D :CS-4 09DXN426 ST0412C :CS-5 09DXN456

Name	Mean	S. D.	%RSD	12AP104D5 S4 RRF1	12AP104D5 S3 RRF2	12AP104D5 S2 RRF3	12AP104D5 S6 RRF4	12AP104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	0.87	0.95	0.91	1.08
2,3,7,8-TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
Total TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
37Cl-2,3,7,8-TCDD	2.261	0.218	9.64 %	2.41	2.04	2.16	2.14	2.56
13C-1,2,3,7,8-PeCDF	1.050	0.149	14.1 %	0.97	0.97	1.01	0.98	1.31
1,2,3,7,8-PeCDF	1.045	0.049	4.68 %	0.97	1.02	1.09	1.09	1.06
2,3,4,7,8-PeCDF	0.982	0.045	4.55 %	0.93	0.97	1.03	1.02	0.96
Total F2 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
Total F1 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
13C-1,2,3,7,8-PeCDD	0.670	0.094	14.0 %	0.61	0.65	0.62	0.64	0.84
1,2,3,7,8-PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
Total PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.025	0.075	7.29 %	1.08	0.98	1.08	0.92	1.06
1,2,3,4,7,8-HxCDF	1.213	0.061	5.00 %	1.12	1.18	1.25	1.28	1.23
1,2,3,6,7,8-HxCDF	1.343	0.096	7.13 %	1.20	1.34	1.46	1.38	1.33
2,3,4,6,7,8-HxCDF	1.222	0.064	5.27 %	1.13	1.19	1.29	1.26	1.23
1,2,3,7,8,9-HxCDF	1.092	0.072	6.60 %	1.02	1.02	1.15	1.17	1.10
Total HxCDF	1.218	0.070	5.72 %	1.12	1.18	1.29	1.27	1.22
13C-1,2,3,6,7,8-HxCDD	0.807	0.060	7.46 %	0.81	0.77	0.86	0.72	0.87
1,2,3,4,7,8-HxCDD	1.007	0.056	5.54 %	0.93	1.02	1.04	1.07	0.98

1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
13C-1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDF	1.310	0.072	5.52 %	1.20	1.28	1.39	1.36	1.32
1,2,3,4,7,8,9-HpCDF	1.026	0.053	5.19 %	0.95	1.00	1.09	1.06	1.03
Total HpCDF	1.168	0.063	5.36 %	1.08	1.14	1.24	1.21	1.18
13C-1,2,3,4,6,7,8-HpCDD	0.697	0.052	7.39 %	0.71	0.67	0.77	0.64	0.71
1,2,3,4,6,7,8-HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
Total HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
13C-OCDD	0.531	0.041	7.69 %	0.53	0.49	0.58	0.49	0.57
OCDF	1.445	0.085	5.85 %	1.32	1.39	1.51	1.50	1.50
OCDD	1.166	0.060	5.16 %	1.08	1.14	1.23	1.21	1.17

Run #1 Filename 12AP104D5 S: 4 I: 1
Acquired: 12-APR-10 10:48:47 Processed: 12-APR-10 13:15:04
Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
Comments:
Sample text: ST0412B :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	150889300	0.82	y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	232739000	0.78	y	19:04	1.5424	100.00	n
2,3,7,8-TCDF	1023349	0.88	y	19:05	0.8794	0.50	n
Total TCDF	-	-	n	-	0.8794	0.50	n
13C-2,3,7,8-TCDD	141161700	0.80	y	19:53	0.9355	100.00	n
2,3,7,8-TCDD	703881	0.67	y	19:54	0.9973	0.50	n
Total TCDD	-	-	n	-	0.9973	0.50	n
37Cl-2,3,7,8-TCDD	1819544	1.00	y	19:54	2.4118	0.50	n
13C-1,2,3,7,8-PeCDF	146106800	1.52	y	24:49	0.9683	100.00	n
1,2,3,7,8-PeCDF	3546420	1.50	y	24:50	0.9709	2.50	n
2,3,4,7,8-PeCDF	3384670	1.43	y	26:21	0.9266	2.50	n
Total F2 PeCDF	-	-	n	-	0.9488	5.00	n
Total F1 PeCDF	-	-	n	-	0.9488	5.00	n
13C-1,2,3,7,8-PeCDD	92385600	1.55	y	27:09	0.6123	100.00	n
1,2,3,7,8-PeCDD	2166233	1.61	y	27:12	0.9379	2.50	n
Total PeCDD	-	-	n	-	0.9379	2.50	n
13C-1,2,3,7,8,9-HxCDD	103077500	1.29	y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	111667600	0.52	y	32:02	1.0833	100.00	n
1,2,3,4,7,8-HxCDF	3133010	1.21	y	32:04	1.1223	2.50	n
1,2,3,6,7,8-HxCDF	3346790	1.13	y	32:10	1.1988	2.50	n
2,3,4,6,7,8-HxCDF	3162220	1.22	y	32:43	1.1327	2.50	n
1,2,3,7,8,9-HxCDF	2848310	1.21	y	33:21	1.0203	2.50	n
Total HxCDF	-	-	n	-	1.1185	10.00	n
13C-1,2,3,6,7,8-HxCDD	83861100	1.28	y	32:55	0.8136	100.00	n
1,2,3,4,7,8-HxCDD	1947993	1.33	y	32:51	0.9292	2.50	n
1,2,3,6,7,8-HxCDD	2219360	1.18	y	32:56	1.0586	2.50	n
1,2,3,7,8,9-HxCDD	2352910	1.23	y	33:12	1.1223	2.50	n
Total HxCDD	-	-	n	-	1.0367	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	89290500	0.42	y	34:41	0.8662	100.00	n
1,2,3,4,6,7,8-HpCDF	2683070	0.92	y	34:42	1.2020	2.50	n
1,2,3,4,7,8,9-HpCDF	2130830	0.96	y	35:50	0.9546	2.50	n
Total HpCDF	-	-	n	-	1.0783	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	72671900	1.06	y	35:30	0.7050	100.00	n
1,2,3,4,6,7,8-HpCDD	1867690	1.03	y	35:31	1.0280	2.50	n
Total HpCDD	-	-	n	-	1.0280	2.50	n
13C-OCDD	109193900	0.90	y	38:02	0.5297	200.00	n
OCDF	3611560	0.91	y	38:09	1.3230	5.00	n

OCDD	2945690	0.92	y	38:02	1.0791	5.00	n

Run #2 Filename 12AP104D5 S: 3 I: 1
Acquired: 12-APR-10 10:04:44 Processed: 12-APR-10 13:15:05
Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
Comments:
Sample text: ST0412A :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	161658700	0.83	y	19:41	-	100.00	n
13C-2,3,7,8-TCDF	237756000	0.78	y	19:06	1.4707	100.00	n
2,3,7,8-TCDF	4448700	0.78	y	19:07	0.9356	2.00	n
Total TCDF	-	-	n	-	0.9356	2.00	n
13C-2,3,7,8-TCDD	141013400	0.83	y	19:54	0.8723	100.00	n
2,3,7,8-TCDD	2761520	0.74	y	19:55	0.9792	2.00	n
Total TCDD	-	-	n	-	0.9792	2.00	n
37Cl-2,3,7,8-TCDD	6579920	1.00	y	19:55	2.0351	2.00	n
13C-1,2,3,7,8-PeCDF	157487700	1.55	y	24:50	0.9742	100.00	n
1,2,3,7,8-PeCDF	16085800	1.52	y	24:52	1.0214	10.00	n
2,3,4,7,8-PeCDF	15225000	1.52	y	26:23	0.9667	10.00	n
Total F2 PeCDF	-	-	n	-	0.9941	20.00	n
Total F1 PeCDF	-	-	n	-	0.9941	20.00	n
13C-1,2,3,7,8-PeCDD	104378100	1.53	y	27:11	0.6457	100.00	n
1,2,3,7,8-PeCDD	9696460	1.56	y	27:13	0.9290	10.00	n
Total PeCDD	-	-	n	-	0.9290	10.00	n
13C-1,2,3,7,8,9-HxCDD	119338900	1.29	y	33:12	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	116840100	0.51	y	32:03	0.9791	100.00	n
1,2,3,4,7,8-HxCDF	13837370	1.16	y	32:04	1.1843	10.00	n
1,2,3,6,7,8-HxCDF	15711510	1.20	y	32:11	1.3447	10.00	n
2,3,4,6,7,8-HxCDF	13850440	1.17	y	32:44	1.1854	10.00	n
1,2,3,7,8,9-HxCDF	11885350	1.19	y	33:23	1.0172	10.00	n
Total HxCDF	-	-	n	-	1.1829	40.00	n
13C-1,2,3,6,7,8-HxCDD	92237400	1.32	y	32:57	0.7729	100.00	n
1,2,3,4,7,8-HxCDD	9381490	1.25	y	32:53	1.0171	10.00	n
1,2,3,6,7,8-HxCDD	9738380	1.25	y	32:57	1.0558	10.00	n
1,2,3,7,8,9-HxCDD	10785510	1.28	y	33:12	1.1693	10.00	n
Total HxCDD	-	-	n	-	1.0807	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	97759400	0.43	y	34:42	0.8192	100.00	n
1,2,3,4,6,7,8-HpCDF	12506030	0.97	y	34:43	1.2793	10.00	n
1,2,3,4,7,8,9-HpCDF	9737130	0.96	y	35:52	0.9960	10.00	n
Total HpCDF	-	-	n	-	1.1376	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	79460100	1.04	y	35:31	0.6658	100.00	n
1,2,3,4,6,7,8-HpCDD	8216600	1.02	y	35:32	1.0341	10.00	n
Total HpCDD	-	-	n	-	1.0341	10.00	n
13C-OCDD	117016000	0.90	y	38:02	0.4903	200.00	n
OCDF	16264550	0.91	y	38:09	1.3899	20.00	n
OCDD	13337580	0.89	y	38:03	1.1398	20.00	n

Run #3 Filename 12AP104D5 S: 2 I: 1
Acquired: 12-APR-10 09:14:17 Processed: 12-APR-10 13:15:06
Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
Comments:
Sample text: ST0412 :CS-3 10DXN111

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	64371200	0.84	y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	102873500	0.76	y	19:05	1.5981	100.00	n
2,3,7,8-TCDF	10115650	0.82	y	19:06	0.9833	10.00	n
Total TCDF	-	-	n	-	0.9833	10.00	n
13C-2,3,7,8-TCDD	61271500	0.83	y	19:53	0.9518	100.00	n
2,3,7,8-TCDD	6357860	0.79	y	19:54	1.0377	10.00	n
Total TCDD	-	-	n	-	1.0377	10.00	n
37Cl-2,3,7,8-TCDD	13876260	1.00	y	19:54	2.1557	10.00	n
13C-1,2,3,7,8-PeCDF	65259400	1.55	y	24:49	1.0138	100.00	n
1,2,3,7,8-PeCDF	35414800	1.47	y	24:50	1.0854	50.00	n
2,3,4,7,8-PeCDF	33672100	1.50	y	26:22	1.0319	50.00	n
Total F2 PeCDF	-	-	n	-	1.0587	100.00	n
Total F1 PeCDF	-	-	n	-	1.0587	100.00	n
13C-1,2,3,7,8-PeCDD	39998300	1.51	y	27:10	0.6214	100.00	n
1,2,3,7,8-PeCDD	20706690	1.56	y	27:12	1.0354	50.00	n
Total PeCDD	-	-	n	-	1.0354	50.00	n
13C-1,2,3,7,8,9-HxCDD	43950100	1.30	y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	47581500	0.51	y	32:03	1.0826	100.00	n
1,2,3,4,7,8-HxCDF	29775400	1.17	y	32:04	1.2516	50.00	n
1,2,3,6,7,8-HxCDF	34813100	1.18	y	32:11	1.4633	50.00	n
2,3,4,6,7,8-HxCDF	30804200	1.18	y	32:43	1.2948	50.00	n
1,2,3,7,8,9-HxCDF	27436400	1.20	y	33:22	1.1532	50.00	n
Total HxCDF	-	-	n	-	1.2907	200.00	n
13C-1,2,3,6,7,8-HxCDD	37776400	1.31	y	32:56	0.8595	100.00	n
1,2,3,4,7,8-HxCDD	19591860	1.40	y	32:52	1.0373	50.00	n
1,2,3,6,7,8-HxCDD	22495200	1.13	y	32:57	1.1910	50.00	n
1,2,3,7,8,9-HxCDD	23103700	1.25	y	33:12	1.2232	50.00	n
Total HxCDD	-	-	n	-	1.1505	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	41837400	0.43	y	34:42	0.9519	100.00	n
1,2,3,4,6,7,8-HpCDF	29031500	0.97	y	34:42	1.3878	50.00	n
1,2,3,4,7,8,9-HpCDF	22825800	0.97	y	35:50	1.0912	50.00	n
Total HpCDF	-	-	n	-	1.2395	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	33979600	1.08	y	35:31	0.7731	100.00	n
1,2,3,4,6,7,8-HpCDD	18775170	1.01	y	35:31	1.1051	50.00	n
Total HpCDD	-	-	n	-	1.1051	50.00	n
13C-OCDD	50907600	0.91	y	38:02	0.5792	200.00	n
OCDF	38455800	0.91	y	38:09	1.5108	100.00	n
OCDD	31406500	0.90	y	38:02	1.2339	100.00	n

Run #4 Filename 12AP104D5 S: 6 I: 1
Acquired: 12-APR-10 12:16:51 Processed: 12-APR-10 13:15:06
Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
Comments:
Sample text: ST0412D :CS-4 09DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	155249200	0.82	y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	213728200	0.78	y	19:04	1.3767	100.00	n
2,3,7,8-TCDF	81152300	0.80	y	19:05	0.9492	40.00	n
Total TCDF	-	-	n	-	0.9492	40.00	n
13C-2,3,7,8-TCDD	140634600	0.81	y	19:53	0.9059	100.00	n
2,3,7,8-TCDD	58567300	0.76	y	19:54	1.0411	40.00	n
Total TCDD	-	-	n	-	1.0411	40.00	n
37Cl-2,3,7,8-TCDD	132968000	1.00	y	19:54	2.1412	40.00	n
13C-1,2,3,7,8-PeCDF	152320900	1.55	y	24:49	0.9811	100.00	n
1,2,3,7,8-PeCDF	330717000	1.52	y	24:50	1.0856	200.00	n
2,3,4,7,8-PeCDF	311957000	1.53	y	26:21	1.0240	200.00	n
Total F2 PeCDF	-	-	n	-	1.0548	400.00	n
Total F1 PeCDF	-	-	n	-	1.0548	400.00	n
13C-1,2,3,7,8-PeCDD	98815100	1.51	y	27:10	0.6365	100.00	n
1,2,3,7,8-PeCDD	200073100	1.56	y	27:12	1.0124	200.00	n
Total PeCDD	-	-	n	-	1.0124	200.00	n
13C-1,2,3,7,8,9-HxCDD	122882600	1.29	y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	112493800	0.51	y	32:02	0.9155	100.00	n
1,2,3,4,7,8-HxCDF	286893000	1.17	y	32:03	1.2752	200.00	n
1,2,3,6,7,8-HxCDF	309941000	1.20	y	32:10	1.3776	200.00	n
2,3,4,6,7,8-HxCDF	284576000	1.18	y	32:44	1.2649	200.00	n
1,2,3,7,8,9-HxCDF	263425000	1.19	y	33:22	1.1708	200.00	n
Total HxCDF	-	-	n	-	1.2721	800.00	n
13C-1,2,3,6,7,8-HxCDD	88870500	1.27	y	32:55	0.7232	100.00	n
1,2,3,4,7,8-HxCDD	190818600	1.23	y	32:51	1.0736	200.00	n
1,2,3,6,7,8-HxCDD	205324800	1.26	y	32:56	1.1552	200.00	n
1,2,3,7,8,9-HxCDD	238684000	1.24	y	33:12	1.3429	200.00	n
Total HxCDD	-	-	n	-	1.1905	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	97521600	0.43	y	34:41	0.7936	100.00	n
1,2,3,4,6,7,8-HpCDF	264362000	0.96	y	34:42	1.3554	200.00	n
1,2,3,4,7,8,9-HpCDF	206496000	0.97	y	35:50	1.0587	200.00	n
Total HpCDF	-	-	n	-	1.2071	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	78184500	1.04	y	35:30	0.6363	100.00	n
1,2,3,4,6,7,8-HpCDD	173361700	1.02	y	35:31	1.1087	200.00	n
Total HpCDD	-	-	n	-	1.1087	200.00	n
13C-OCDD	120964400	0.91	y	38:01	0.4922	200.00	n
OCDF	363722000	0.91	y	38:08	1.5034	400.00	n
OCDD	291736000	0.90	y	38:02	1.2059	400.00	n

Run #5 Filename 12AP104D5 S: 5 I: 1
Acquired: 12-APR-10 11:32:49 Processed: 12-APR-10 13:15:07
Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
Comments:
Sample text: ST0412C :CS-5 09DXN456

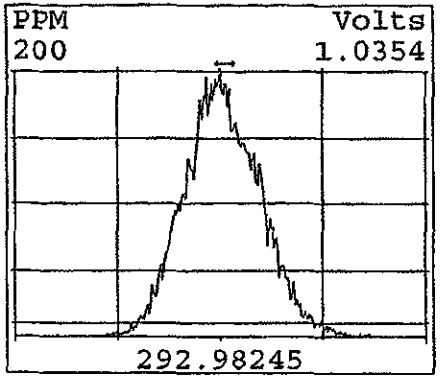
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	133027400	0.81	y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	214932900	0.77	y	19:04	1.6157	100.00	n
2,3,7,8-TCDF	420869000	0.81	y	19:05	0.9791	200.00	n
Total TCDF	-	-	n	-	0.9791	200.00	n
13C-2,3,7,8-TCDD	144056100	0.81	y	19:52	1.0829	100.00	n
2,3,7,8-TCDD	302482000	0.77	y	19:54	1.0499	200.00	n
Total TCDD	-	-	n	-	1.0499	200.00	n
37Cl-2,3,7,8-TCDD	681830000	1.00	y	19:54	2.5627	200.00	n
13C-1,2,3,7,8-PeCDF	174822600	1.57	y	24:49	1.3142	100.00	n
1,2,3,7,8-PeCDF	1854040000	1.52	y	24:50	1.0605	1000.00	n
2,3,4,7,8-PeCDF	1680778000	1.50	y	26:21	0.9614	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0110	2000.00	n
Total F1 PeCDF	-	-	n	-	1.0110	2000.00	n
13C-1,2,3,7,8-PeCDD	111282000	1.52	y	27:09	0.8365	100.00	n
1,2,3,7,8-PeCDD	1107251000	1.56	y	27:12	0.9950	1000.00	n
Total PeCDD	-	-	n	-	0.9950	1000.00	n
13C-1,2,3,7,8,9-HxCDD	124536600	1.30	y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	132485800	0.52	y	32:03	1.0638	100.00	n
1,2,3,4,7,8-HxCDF	1629345000	1.17	y	32:04	1.2298	1000.00	n
1,2,3,6,7,8-HxCDF	1761404000	1.19	y	32:10	1.3295	1000.00	n
2,3,4,6,7,8-HxCDF	1634313000	1.18	y	32:43	1.2336	1000.00	n
1,2,3,7,8,9-HxCDF	1458311000	1.19	y	33:21	1.1007	1000.00	n
Total HxCDF	-	-	n	-	1.2234	4000.00	n
13C-1,2,3,6,7,8-HxCDD	107863400	1.32	y	32:55	0.8661	100.00	n
1,2,3,4,7,8-HxCDD	1053487000	1.22	y	32:51	0.9767	1000.00	n
1,2,3,6,7,8-HxCDD	1196229000	1.25	y	32:56	1.1090	1000.00	n
1,2,3,7,8,9-HxCDD	1280853000	1.24	y	33:12	1.1875	1000.00	n
Total HxCDD	-	-	n	-	1.0911	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	109839300	0.44	y	34:41	0.8820	100.00	n
1,2,3,4,6,7,8-HpCDF	1454217000	0.96	y	34:42	1.3239	1000.00	n
1,2,3,4,7,8,9-HpCDF	1128812000	0.96	y	35:50	1.0277	1000.00	n
Total HpCDF	-	-	n	-	1.1758	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	88075100	1.03	y	35:30	0.7072	100.00	n
1,2,3,4,6,7,8-HpCDD	954247000	1.02	y	35:31	1.0834	1000.00	n
Total HpCDD	-	-	n	-	1.0834	1000.00	n
13C-OCDD	140888400	0.91	y	38:02	0.5657	200.00	n
OCDF	2112770000	0.91	y	38:09	1.4996	2000.00	n
OCDD	1652111000	0.90	y	38:03	1.1726	2000.00	n

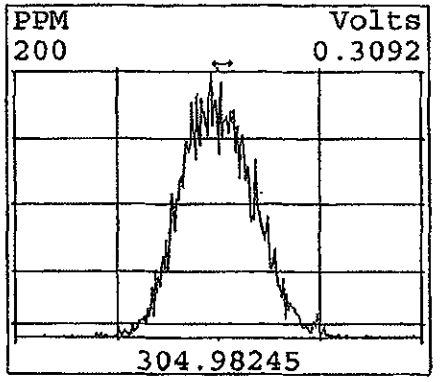
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
12AP104D5	1	CP0412	DB-5 CPSM 3732-04				1.00000	
12AP104D5	2	ST0412	CS-3 10DXN111				1.00000	
12AP104D5	3	ST0412A	CS-2 09DXN423				1.00000	
12AP104D5	4	ST0412B	CS-1 09DXN422				1.00000	
12AP104D5	5	ST0412C	CS-5 09DXN456				1.00000	
12AP104D5	6	ST0412D	CS-4 09DXN426				1.00000	
12AP104D5	7	ST0412E	2nd Source 09DXN449				1.00000	
12AP104D5	8	ST0412F	CS-3 10DXN111				1.00000	
12AP104D5	9	CP0412A	DB-5 CPSM 3732-04				1.00000	
12AP104D5	10	SB0412	Solvent Blank C-14				1.00000	
12AP104D5	11	LXH9E-1-AA	G0D050000-198B	20	8290A/WATER	V-1	1.00000	L
12AP104D5	12	LXH9E-1-AC	G0D050000-198C	20	8290A/WATER		1.00000	L
12AP104D5	13	LXFLQ-1-AA	C0D010564-13	20	8290A/WATER		1.04090	L
12AP104D5	14	LXMQP-1-AC	G0D070000-424C	20	8290A/SOLID		10.00000	g
12AP104D5	15	LXMQP-1-AA	G0D070000-424B	20	8290A/SOLID		10.00000	g
12AP104D5	16	LXFKR-1-AA	C0D010564-1	20	8290A/SOLID		10.96000	g
12AP104D5	17	LXFKX-1-AA	C0D010564-2	20	8290A/SOLID		10.00000	g
12AP104D5	18	LXFK2-1-AA	C0D010564-3	20	8290A/SOLID		10.45000	g
12AP104D5	19	LXFK7-1-AA	C0D010564-4	20	8290A/SOLID		10.83000	g
12AP104D5	20	LXFLA-1-AA	C0D010564-5	20	8290A/SOLID		10.37000	g
12AP104D5	21	LXFLC-1-AA	C0D010564-6	20	8290A/SOLID		10.75000	g
12AP104D5	22	LXFLD-1-AA	C0D010564-7	20	8290A/SOLID		10.36000	g
12AP104D5	23	LXFLD-1-AD	C0D010564-7S	20	8290A/SOLID		10.12000	g
12AP104D5	24	LXFLD-1-AE	C0D010564-7D	20	8290A/SOLID		10.69000	g
12AP104D5	25	SB0412A	Solvent Blank C-14				1.00000	
12AP104D5	26	ST0412G	CS-3 10DXN111				1.00000	
12AP104D5	27	CP0412B	DB-5 CPSM 3732-04				1.00000	
12AP104D5	28	SB0412B	Solvent Blank C-14				1.00000	
12AP104D5	29	LXFLE-1-AA	C0D010564-8	20	8290A/SOLID	V-1	10.54000	g
12AP104D5	30	LXFLF-1-AA	C0D010564-9	20	8290A/SOLID		10.12000	g
12AP104D5	31	LXFLG-1-AA	C0D010564-10	20	8290A/SOLID		10.98000	g
12AP104D5	32	LXFLK-1-AA	C0D010564-11	20	8290A/SOLID		10.17000	g
12AP104D5	33	LXFLM-1-AA	C0D010564-12	20	8290A/SOLID		10.94000	g
12AP104D5	34	LXFK2-1-AA	C0D010564-3 (20x)	20	8290A/SOLID		10.45000	g
12AP104D5	35	LXFLF-1-AA	C0D010564-9 RI	20	8290A/SOLID		10.12000	g
12AP104D5	36	LXFLG-1-AA	C0D010564-10 (20x)	20	8290A/SOLID		10.98000	g
12AP104D5	37	LXFLC-1-AA	C0D010564-6 (50x)	20	8290A/SOLID		10.75000	g
12AP104D5	38	LXFLK-1-AA	C0D010564-11 (50x)	20	8290A/SOLID		10.17000	g
12AP104D5	39	LXFLE-1-AA	C0D010564-8 (100x)	20	8290A/SOLID		10.54000	g
12AP104D5	40	LXFLD-1-AA	C0D010564-7 (100x)	20	8290A/SOLID		10.36000	g
12AP104D5	41	LXFLM-1-AA	C0D010564-12 (100x)	20	8290A/SOLID		10.94000	g
12AP104D5	42	LXFLE-1-AA	C0D010564-8 (100x) RI	20	8290A/SOLID		10.54000	g
12AP104D5	43	SB0412C	Solvent Blank C-14				1.00000	
12AP104D5	44	SB0412D	Solvent Blank C-14				1.00000	
12AP104D5	45	ST0412H	CS-3 10DXN111				1.00000	
12AP104D5	46	CP0412C	DB-5 CPSM 3732-04				1.00000	
12AP104D5	47	SB0412E	Solvent Blank C-14				1.00000	
12AP104D5	48	LXFK2-1-AA	C0D010564-3 (20x) RI	20	8290A/SOLID	V-1	10.45000	g
12AP104D5	49	LXFLG-1-AA	C0D010564-10 (20x) RI	20	8290A/SOLID		10.98000	g
12AP104D5	50	LXFLC-1-AA	C0D010564-6 (50x) RI	20	8290A/SOLID		10.75000	g
12AP104D5	51	LXFLK-1-AA	C0D010564-11 (50x) RI	20	8290A/SOLID		10.17000	g
12AP104D5	52	SB0412F	Solvent Blank C-14				1.00000	
12AP104D5	53	ST0412I	CS-3 10DXN111				1.00000	

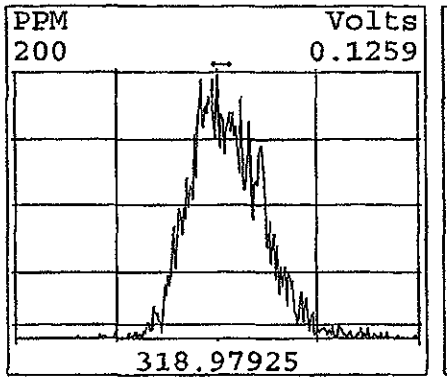
12AP104D5	54		1.00000
12AP104D5	55		1.00000
12AP104D5	56		1.00000
12AP104D5	57	MG 04/12/10	1.00000

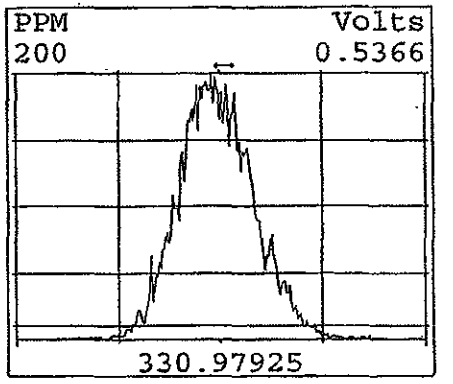
✓ AK 4/14/10

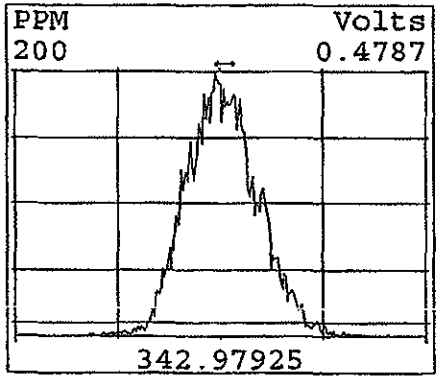
Peak Locate Examination:12-APR-2010:08:26 File:12AP104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

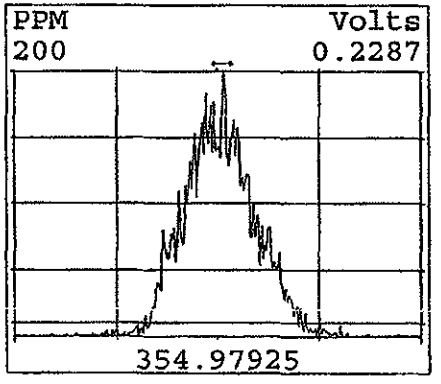


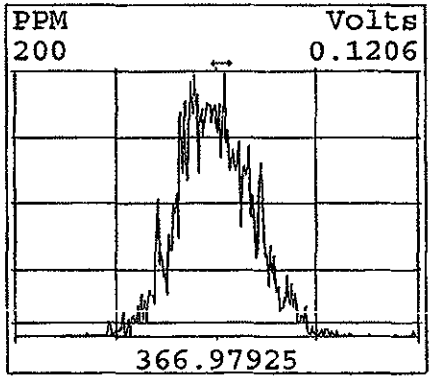


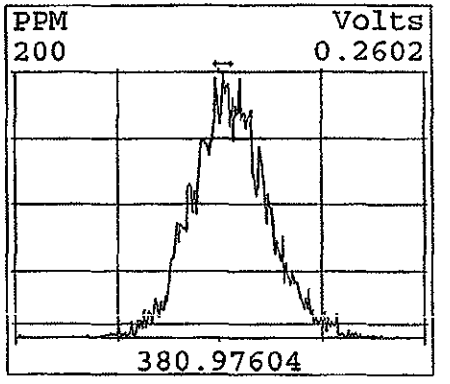


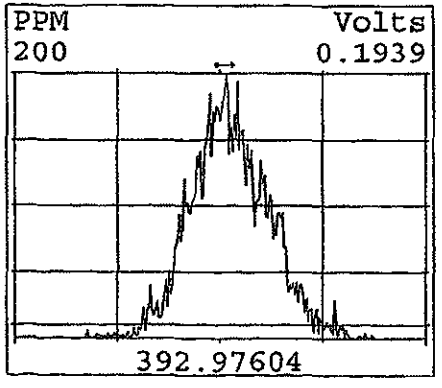


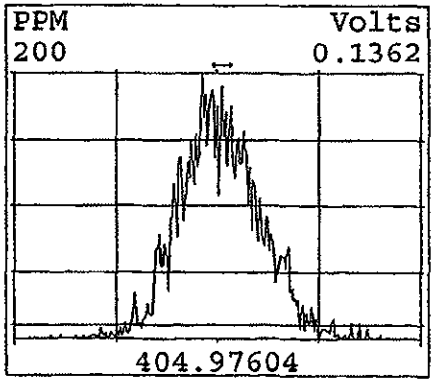


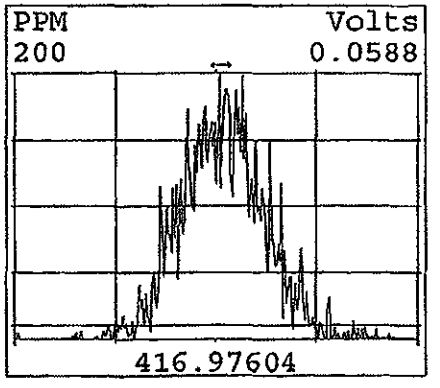




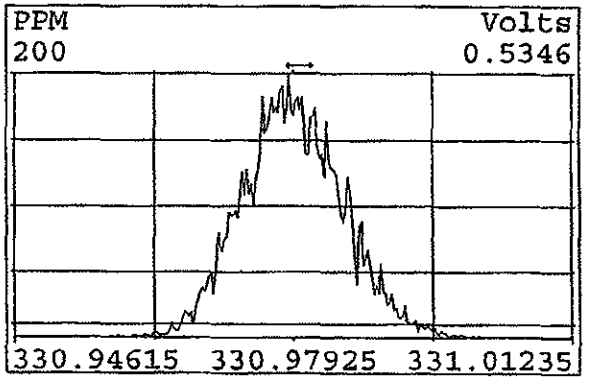


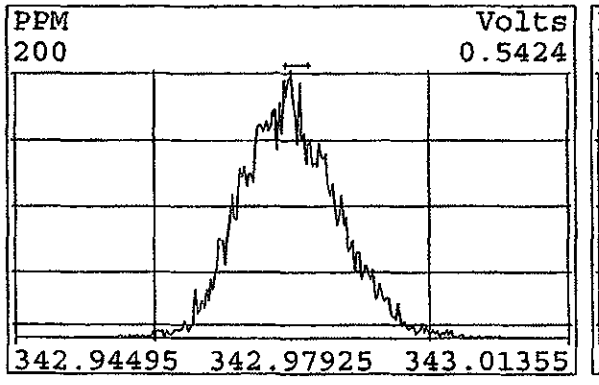


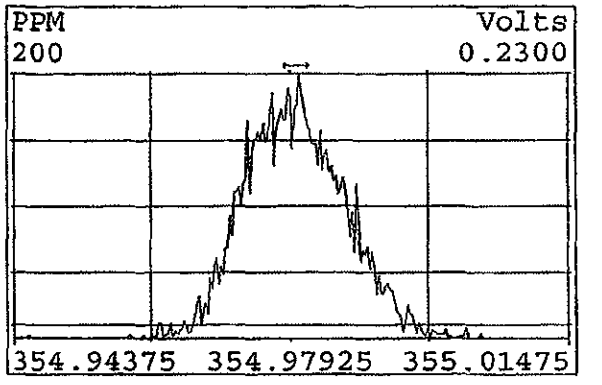


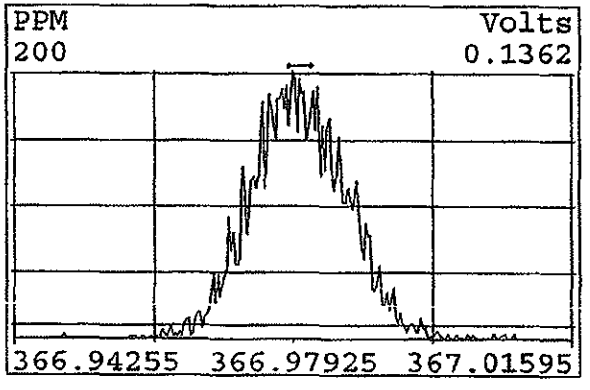


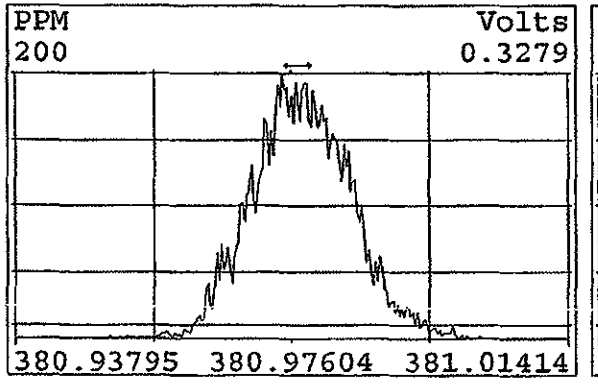
Peak Locate Examination:12-APR-2010:08:26 File:12AP104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

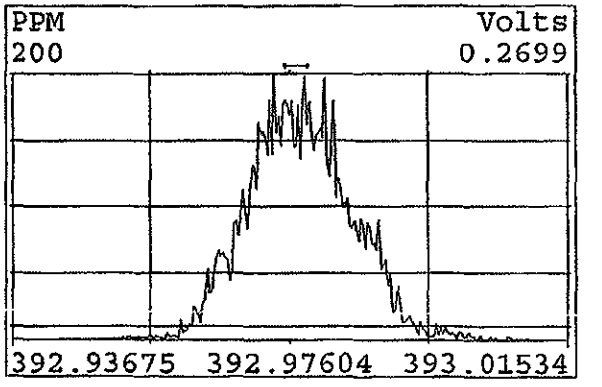


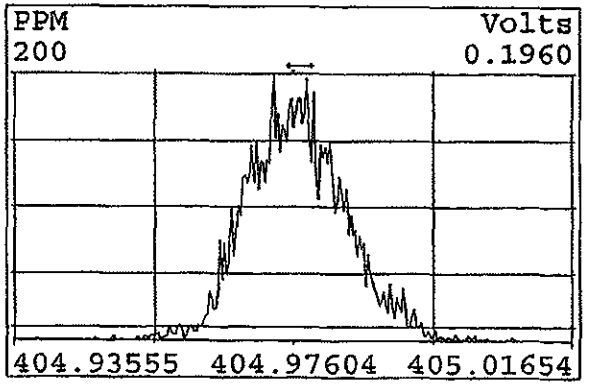


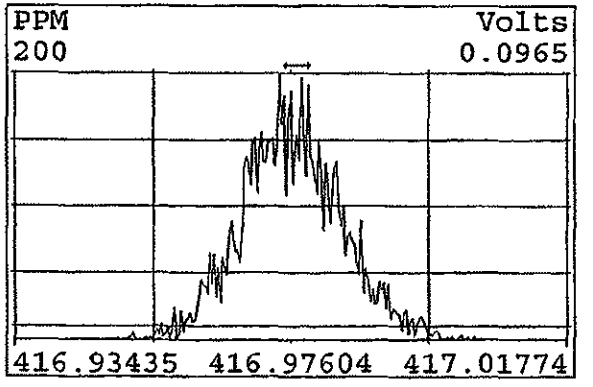




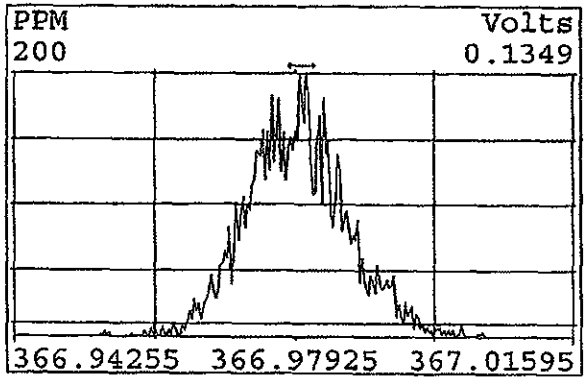


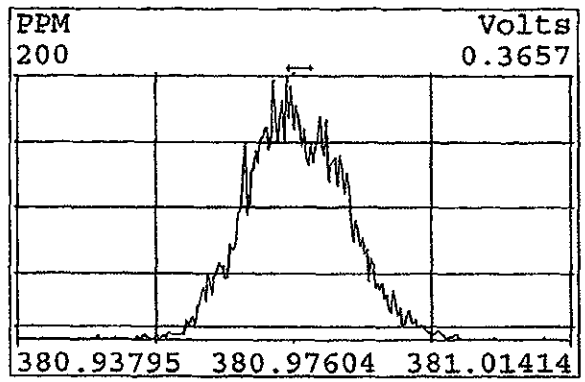


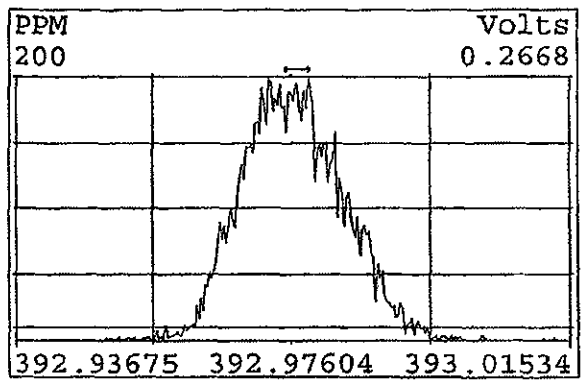


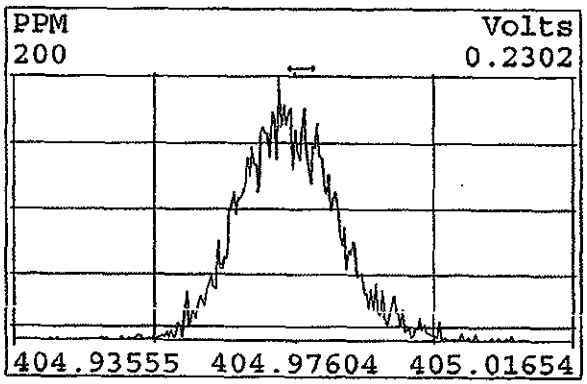


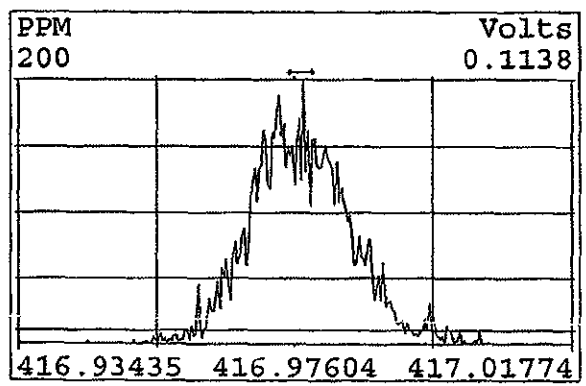
Peak Locate Examination:12-APR-2010:08:27 File:12AP104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

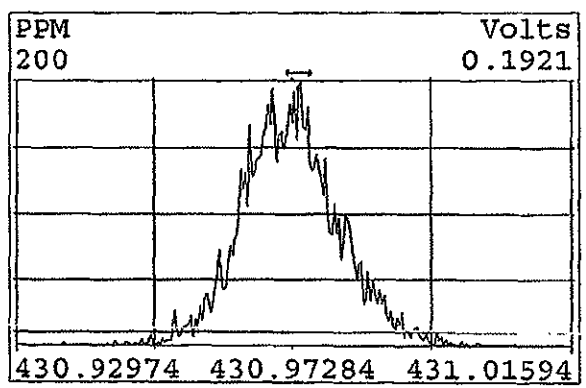


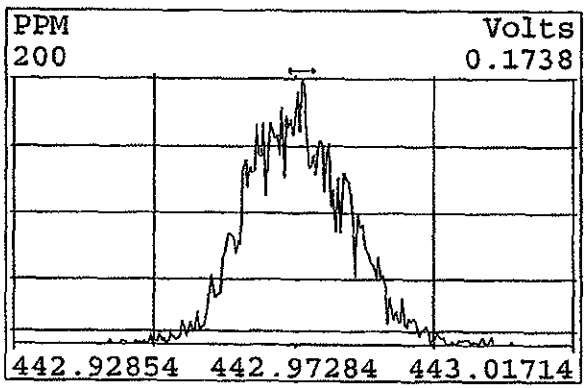


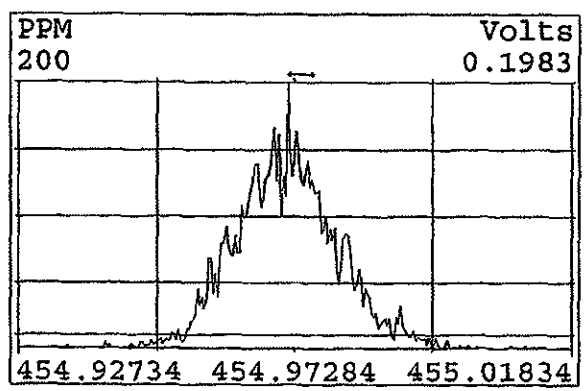




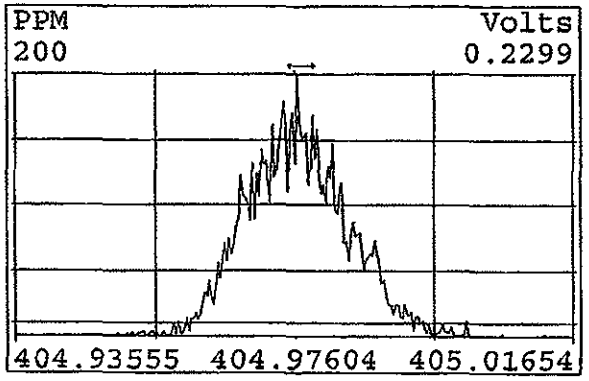


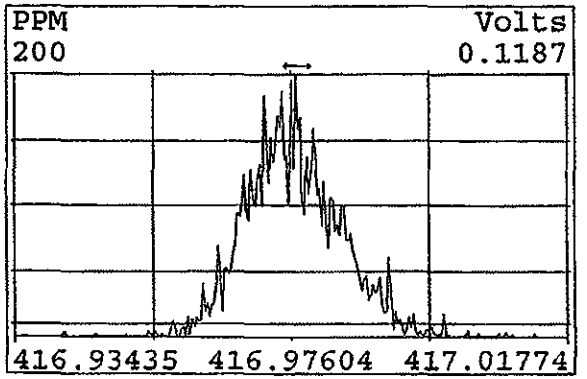


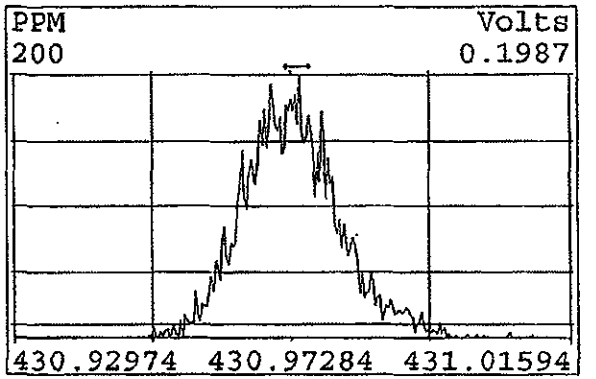


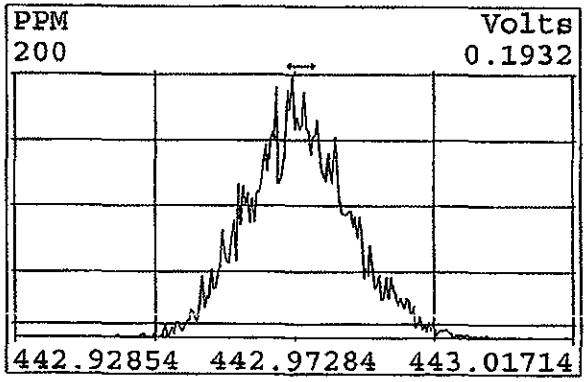


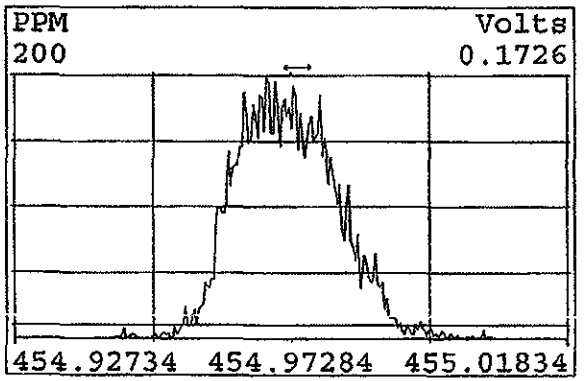
Peak Locate Examination:12-APR-2010:08:27 File:12AP104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

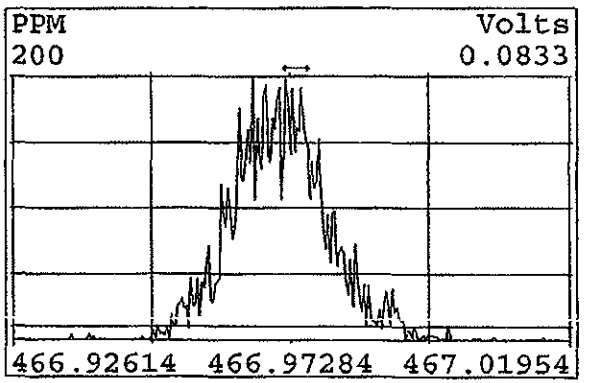


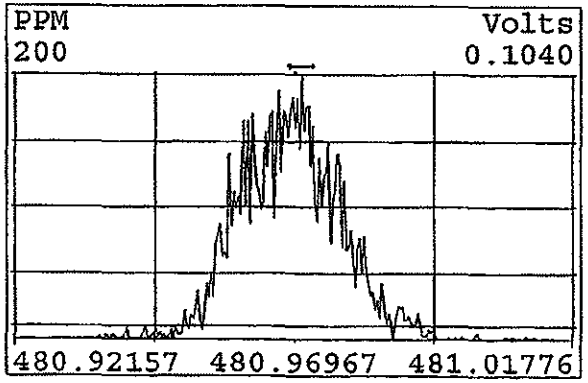




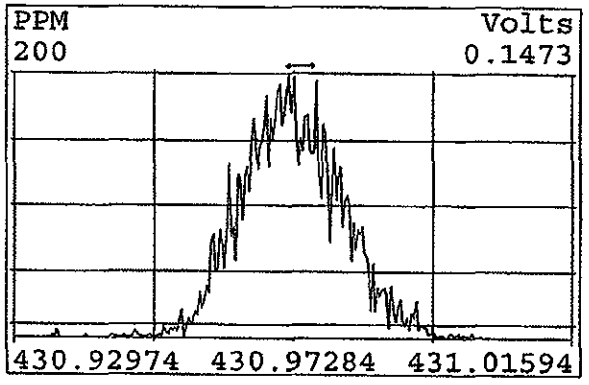


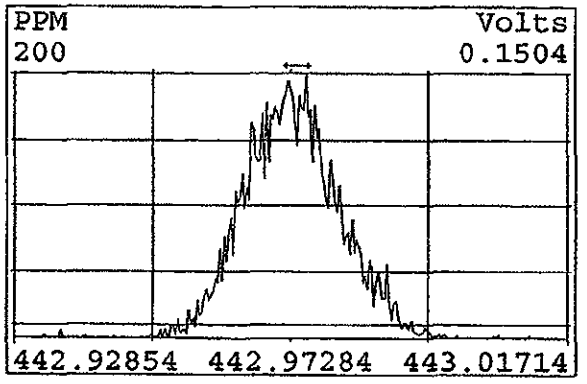


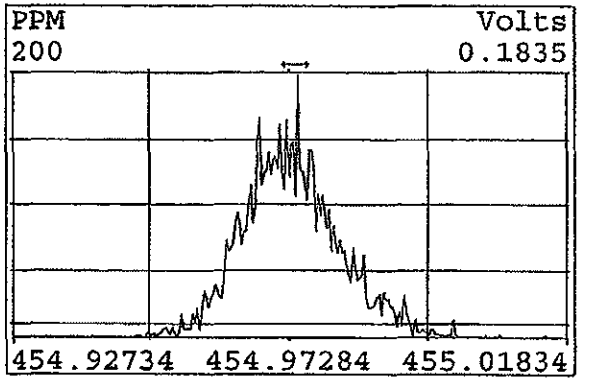


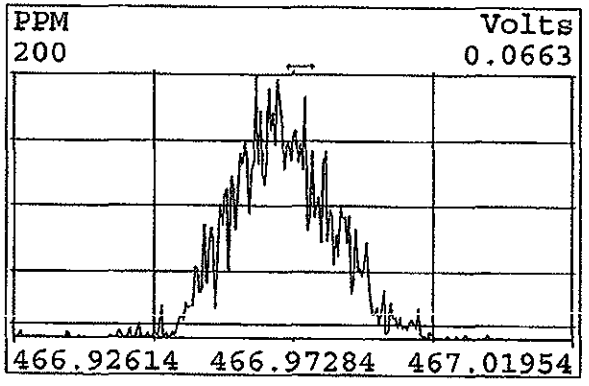


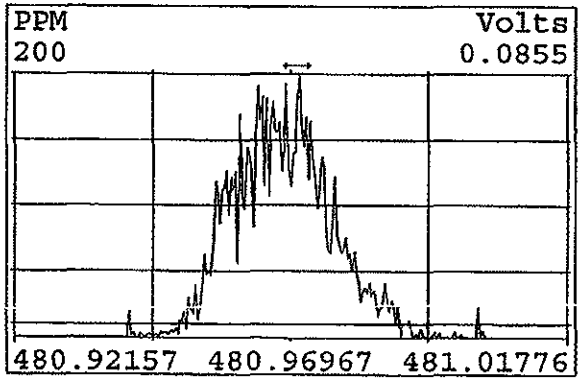
Peak Locate Examination:12-APR-2010:08:28 File:12AP104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

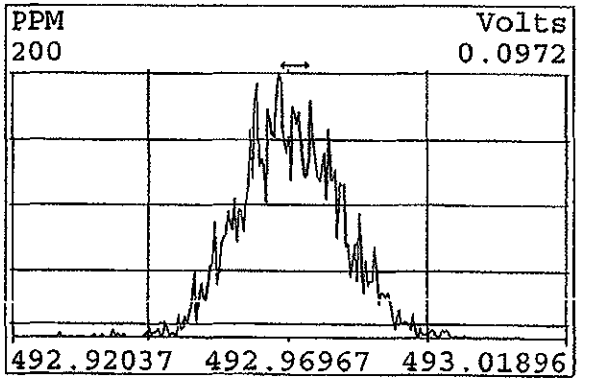


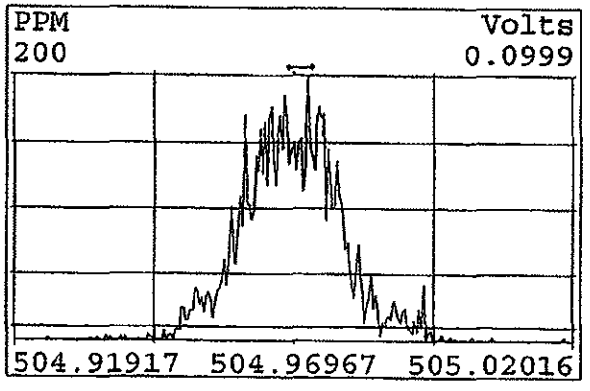


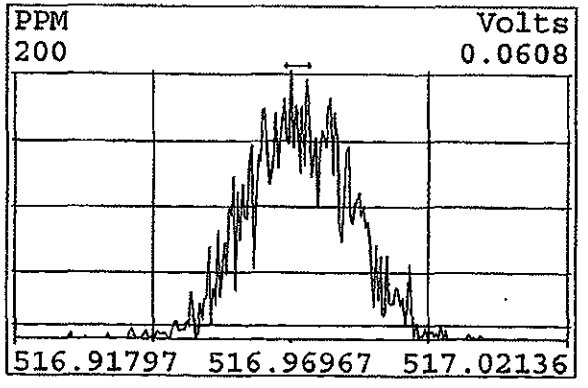




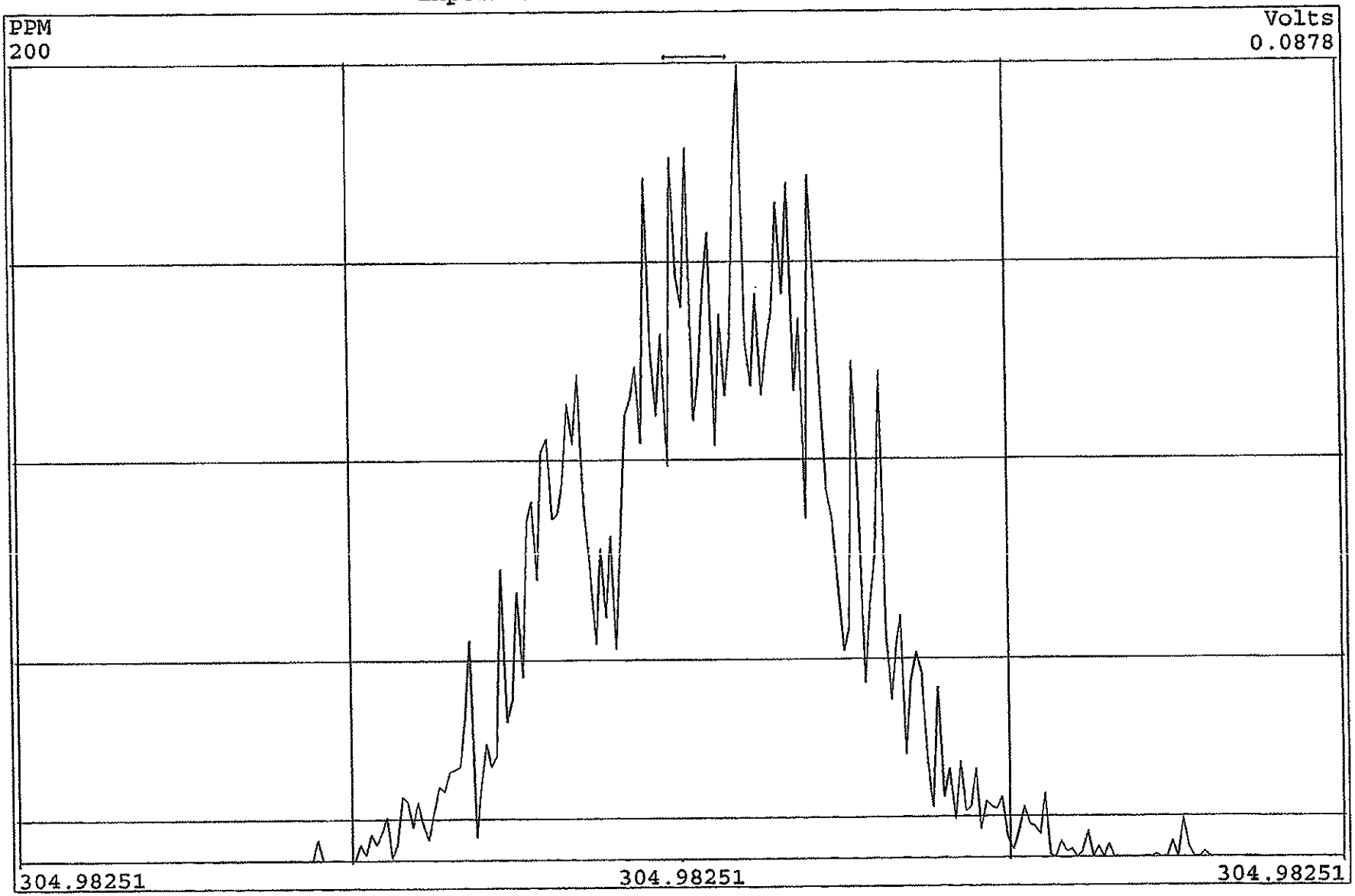




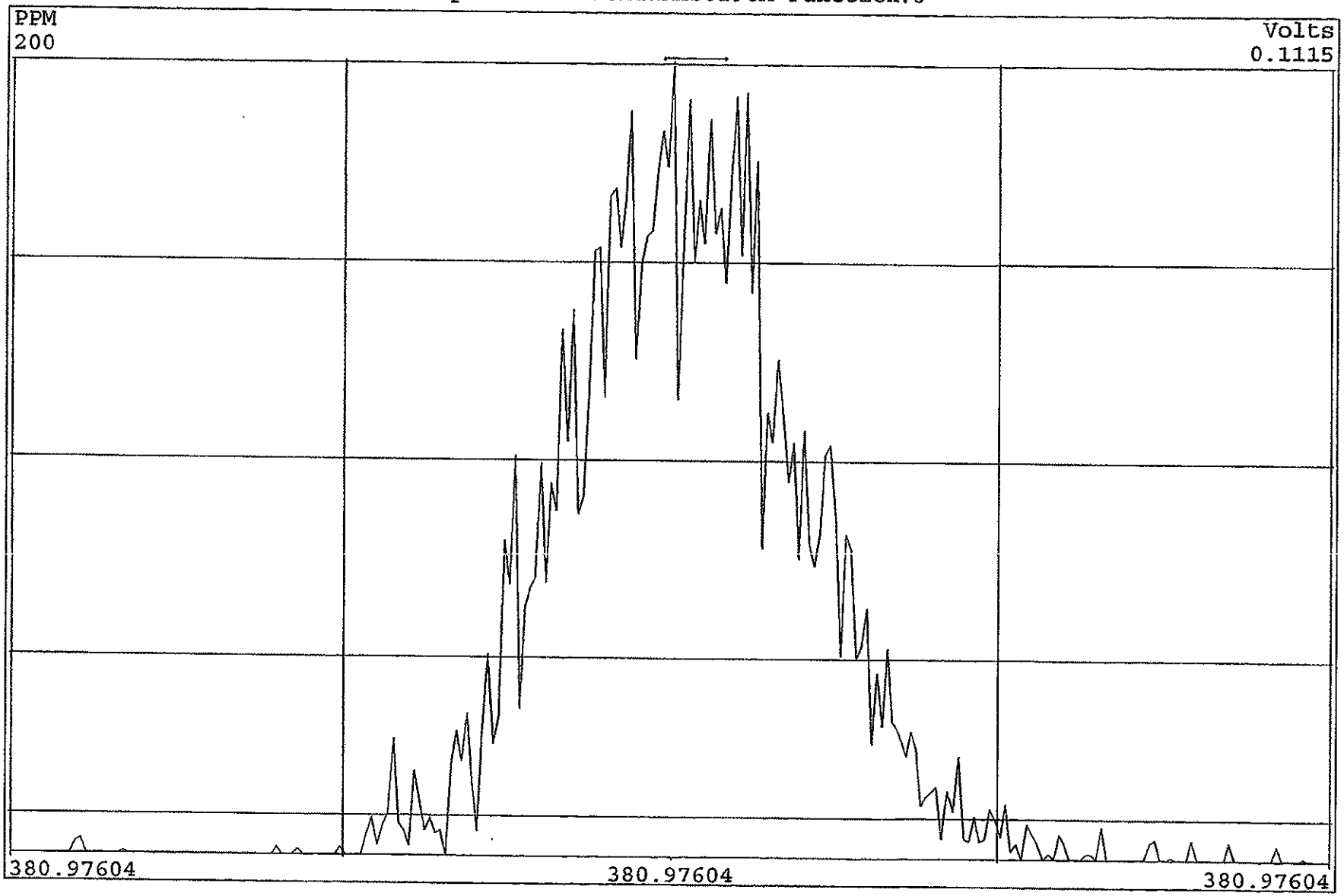




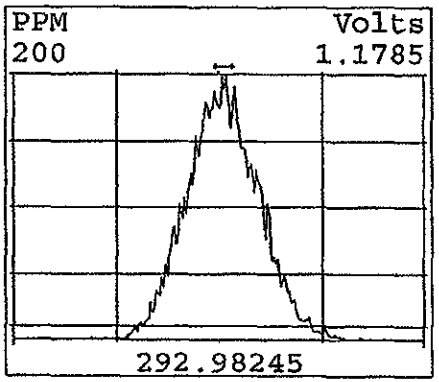
SIRLM Examination:12-APR-2010:14:26 File:12AP104D5
Experiment:DIOXINRES8290A Function:7

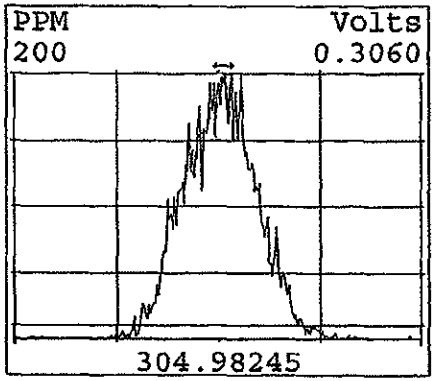


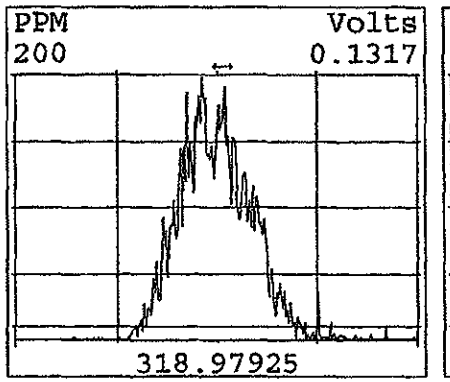
SIRLM Examination:12-APR-2010:14:25 File:12AP104D5
Experiment:DIOXINRES8290A Function:6

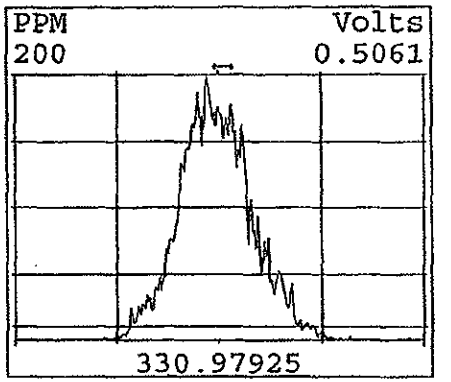


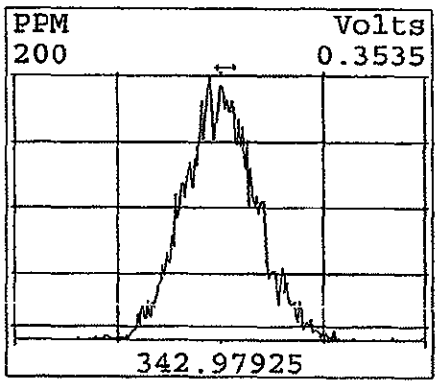
Peak Locate Examination:14-APR-2010:00:00 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

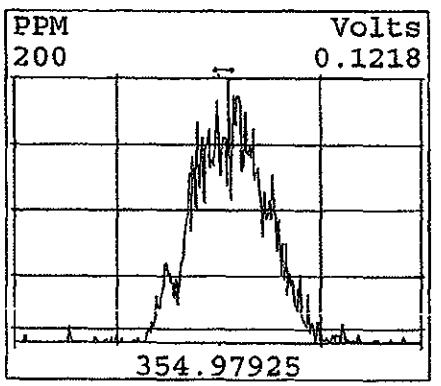


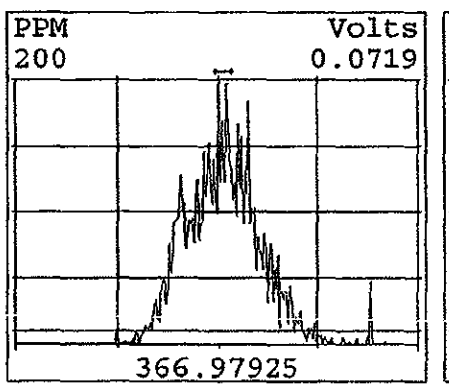


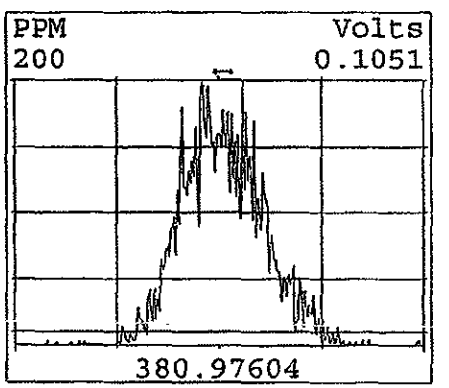


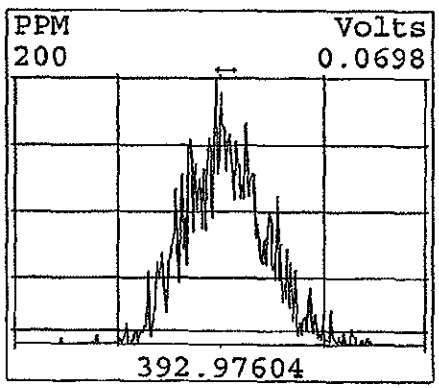


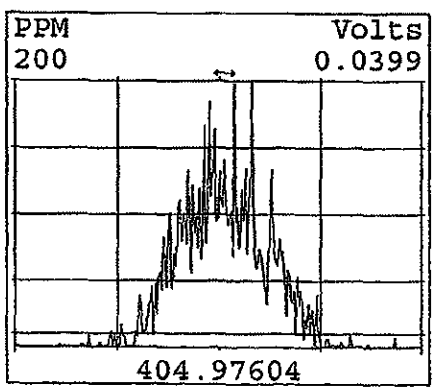


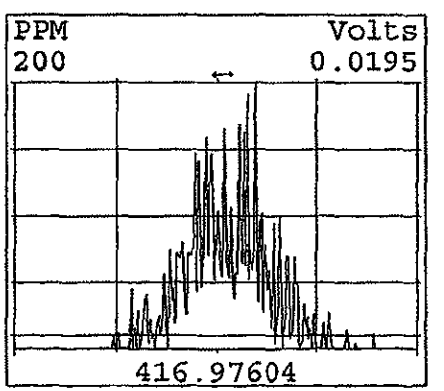




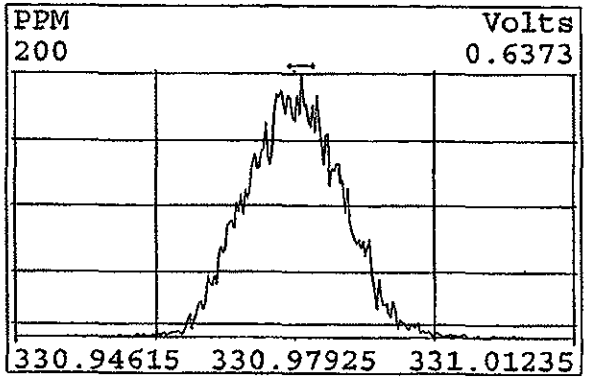


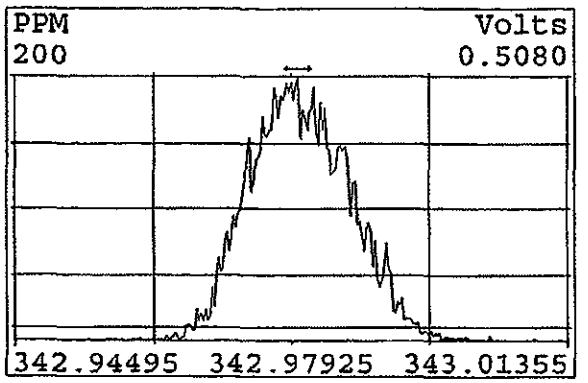


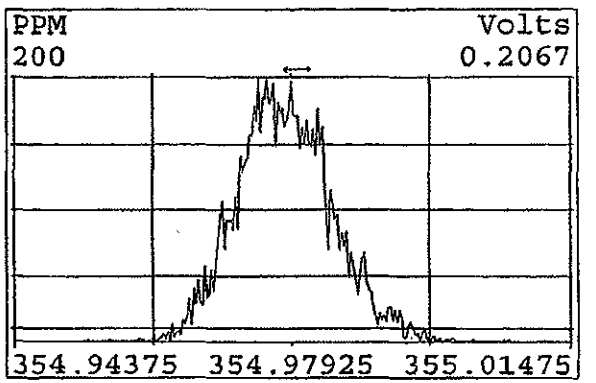


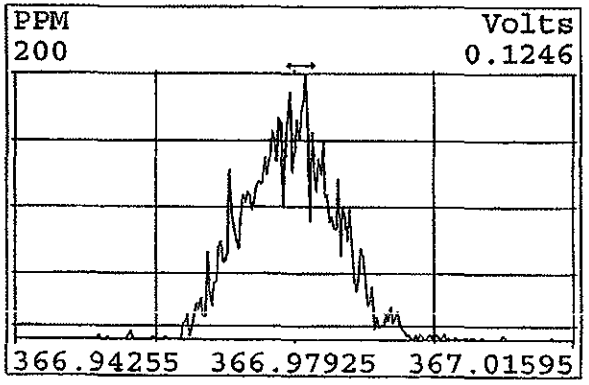


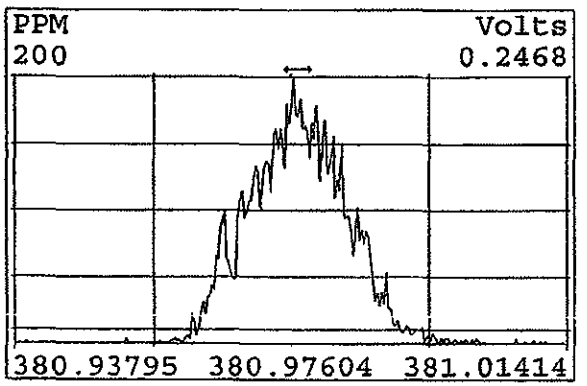
Peak Locate Examination:14-APR-2010:00:01 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

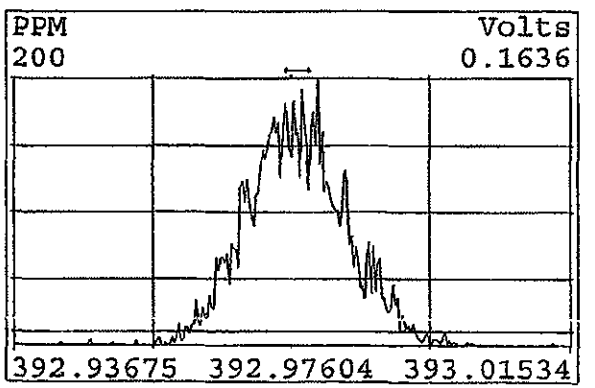


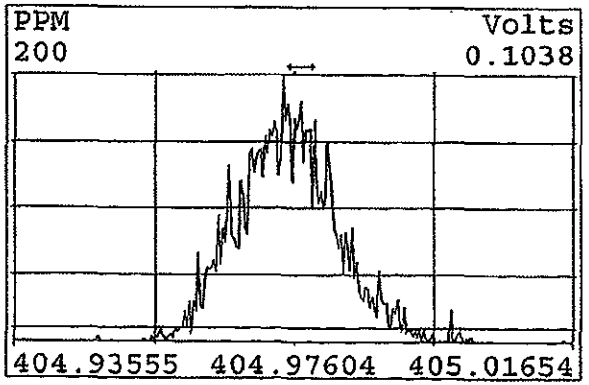


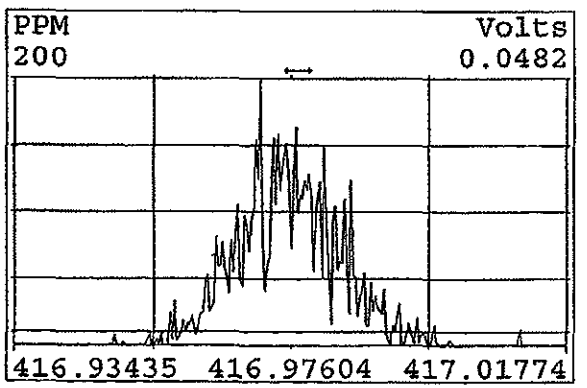




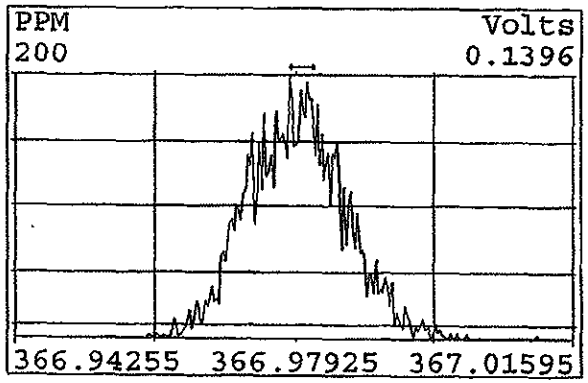


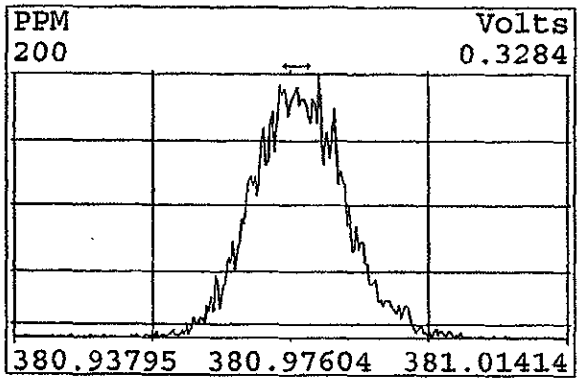


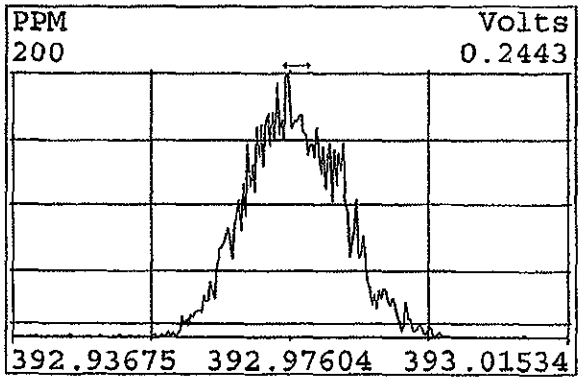


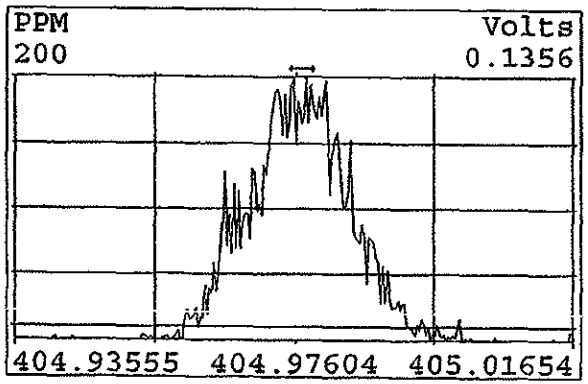


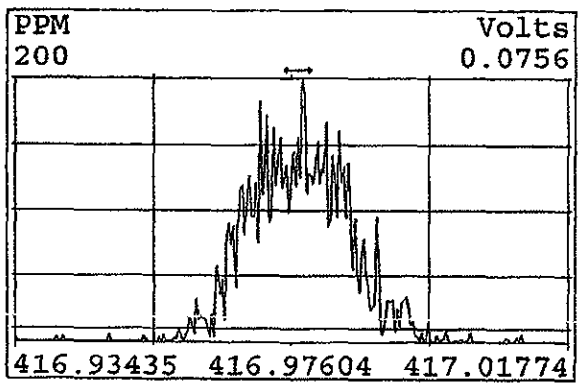
Peak Locate Examination:14-APR-2010:00:01 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

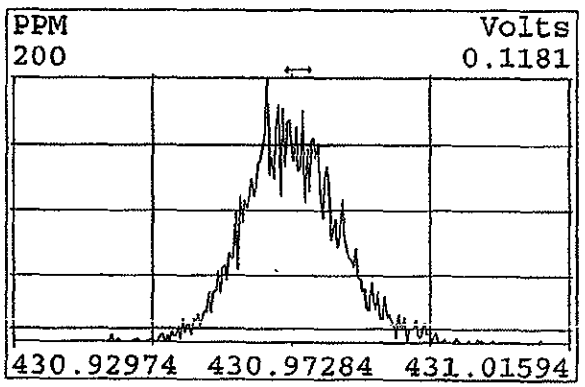


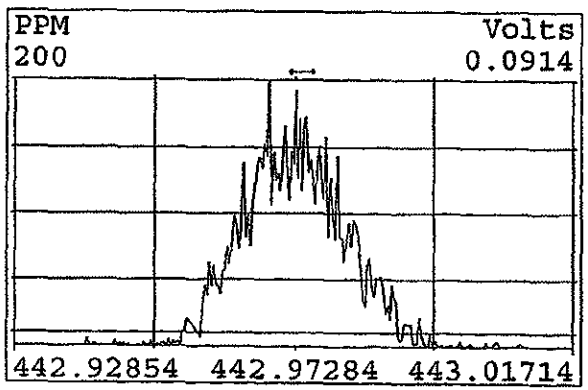


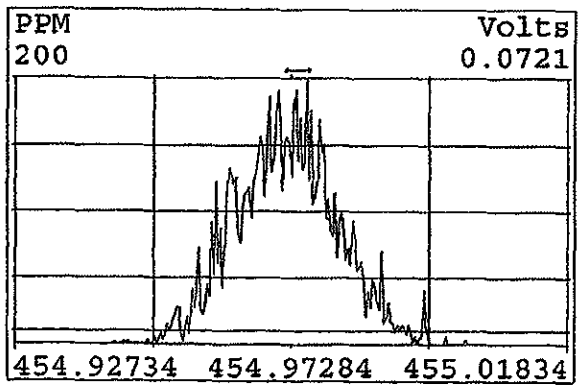




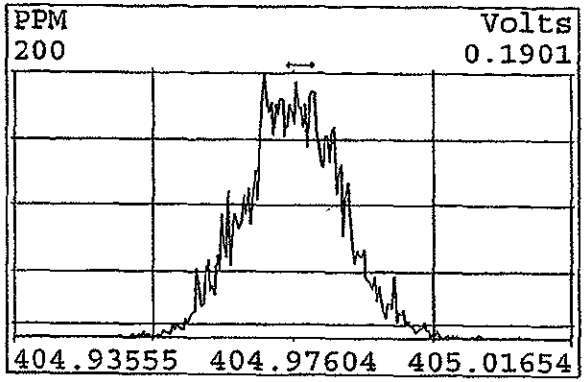


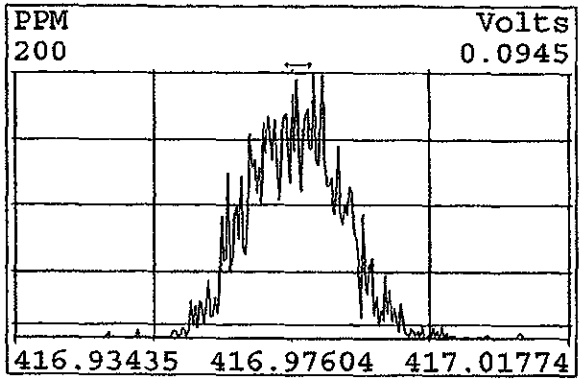


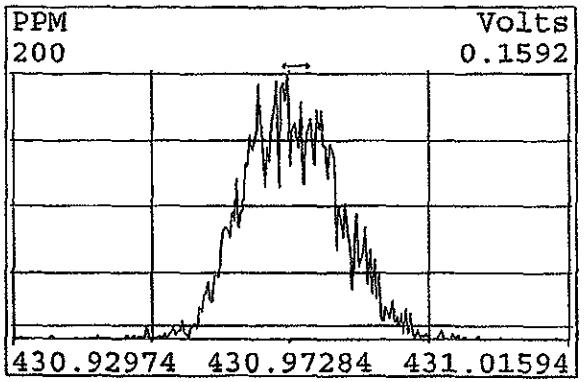


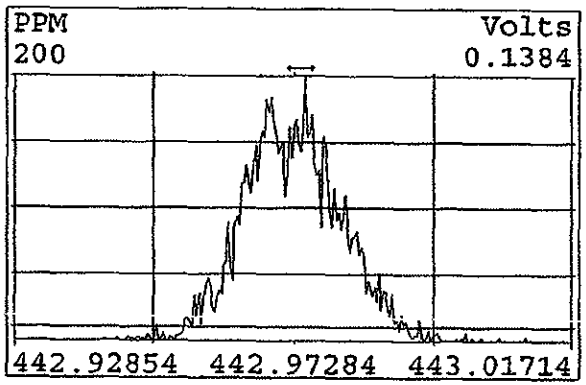


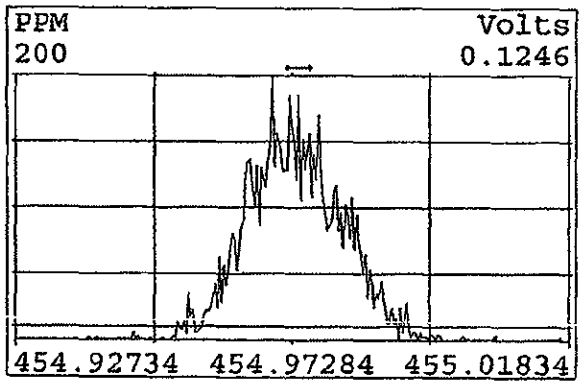
Peak Locate Examination:14-APR-2010:00:02 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

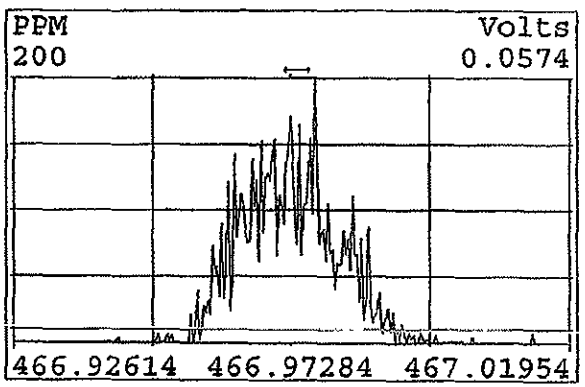


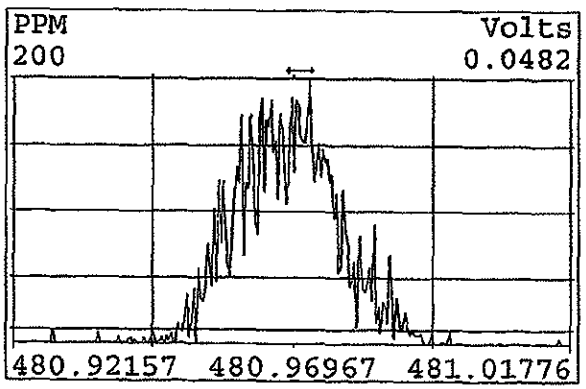




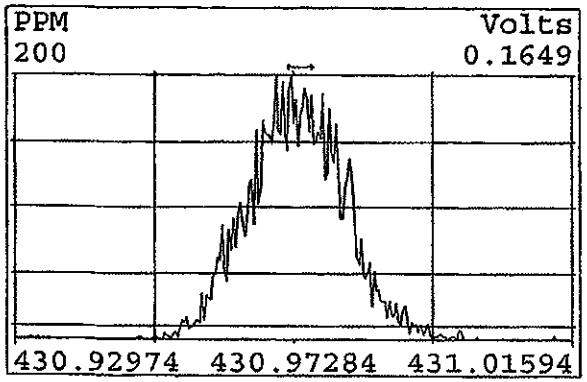


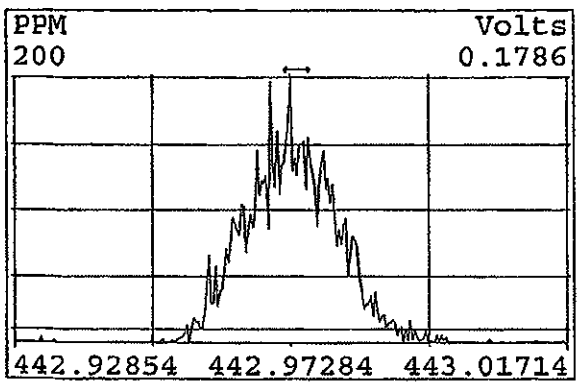


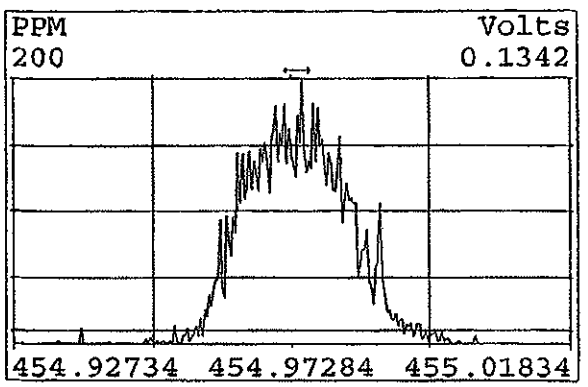


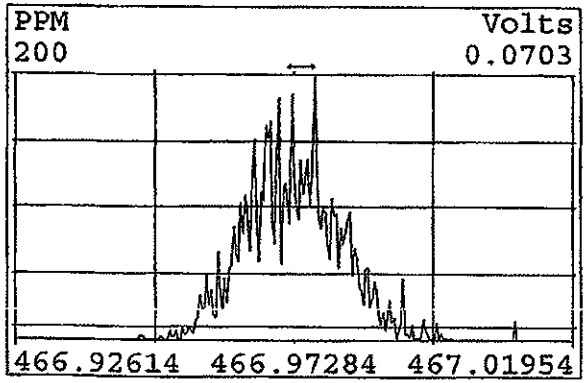


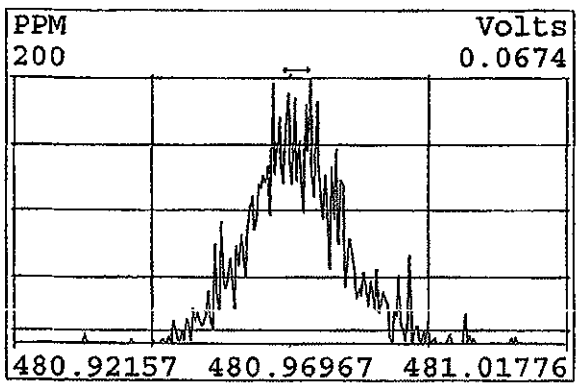
Peak Locate Examination:14-APR-2010:00:03 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

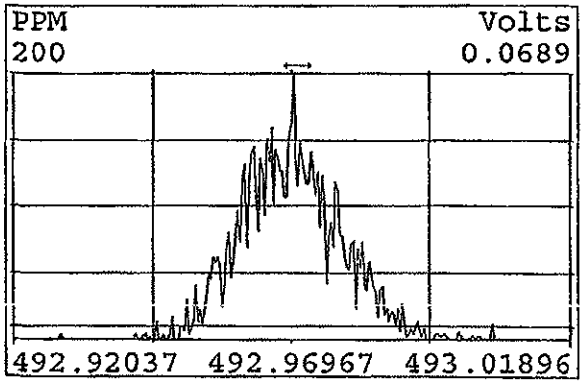


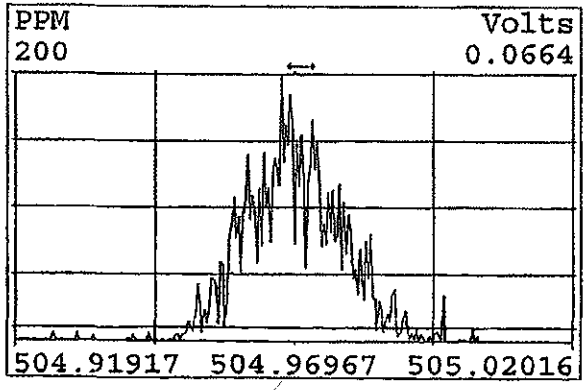


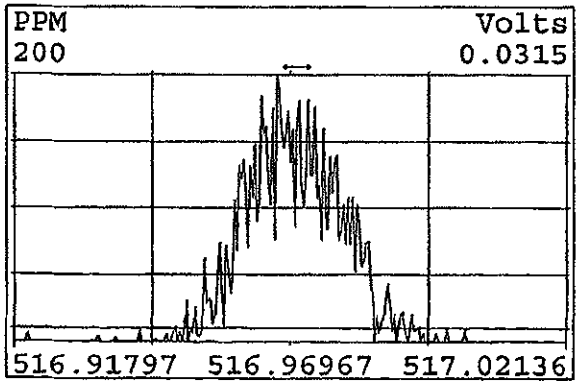




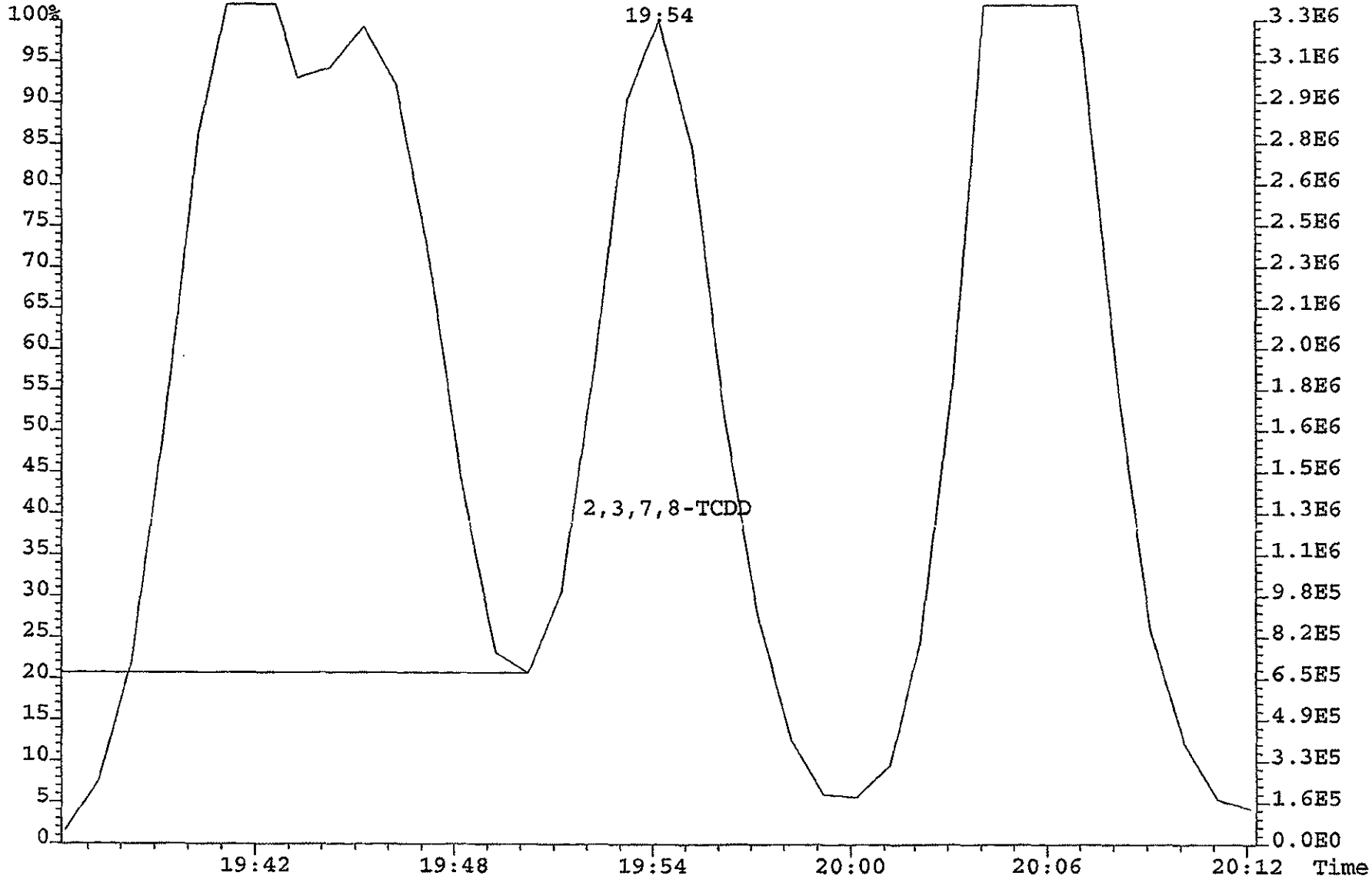








File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 BSUB(128,15,-3.0) Exp:DIOXINRES8290A Noise:14

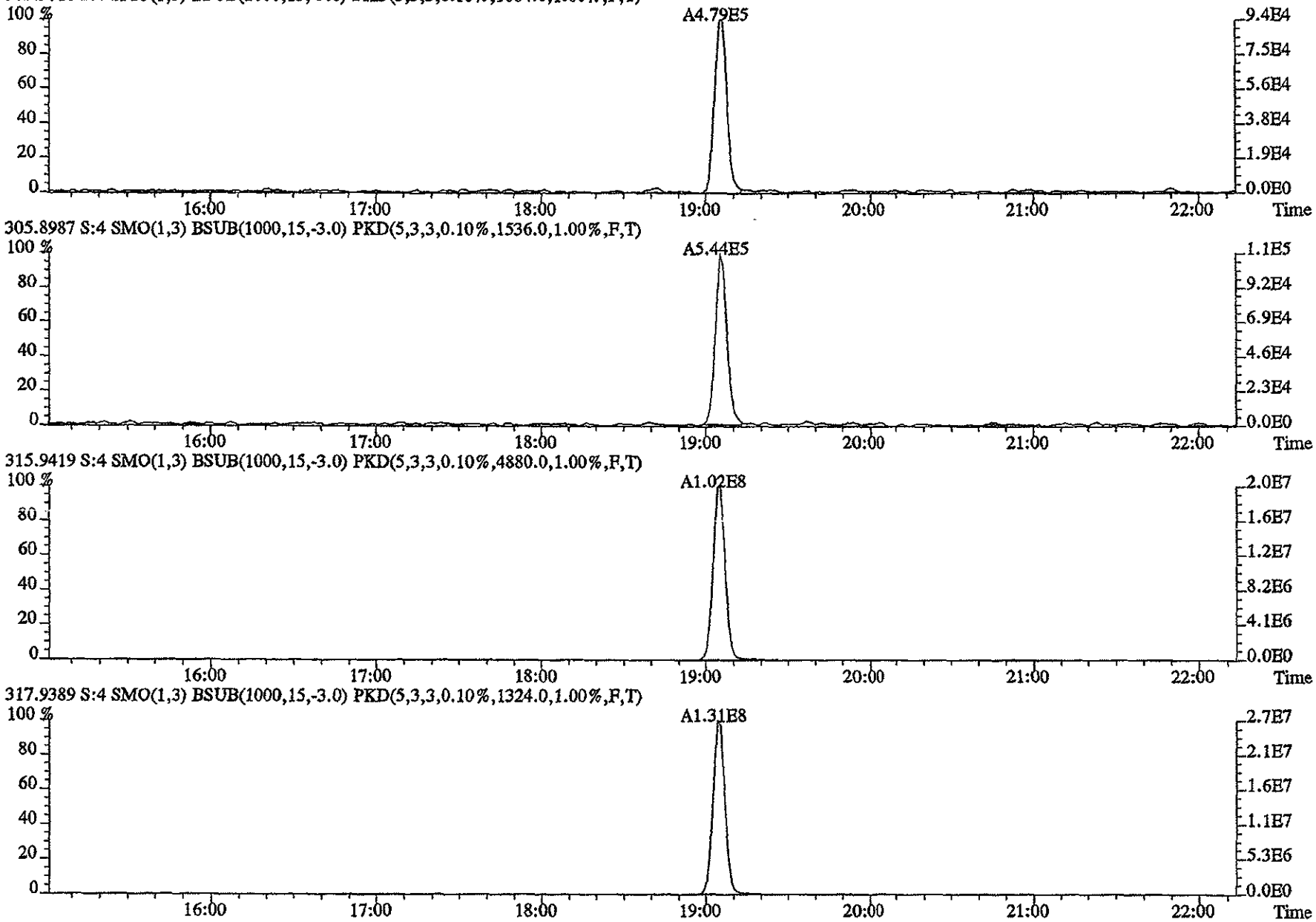


Run text: ST0412E Sample text: ST0412E :2nd Source 09DXN449
Run #6 Filename: 12AP104D5 S: 7 I: 1 Results: 12AP104D58290A
Acquired: 12-APR-10 13:00:53 Processed: 12-APR-10 13:48:00
Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

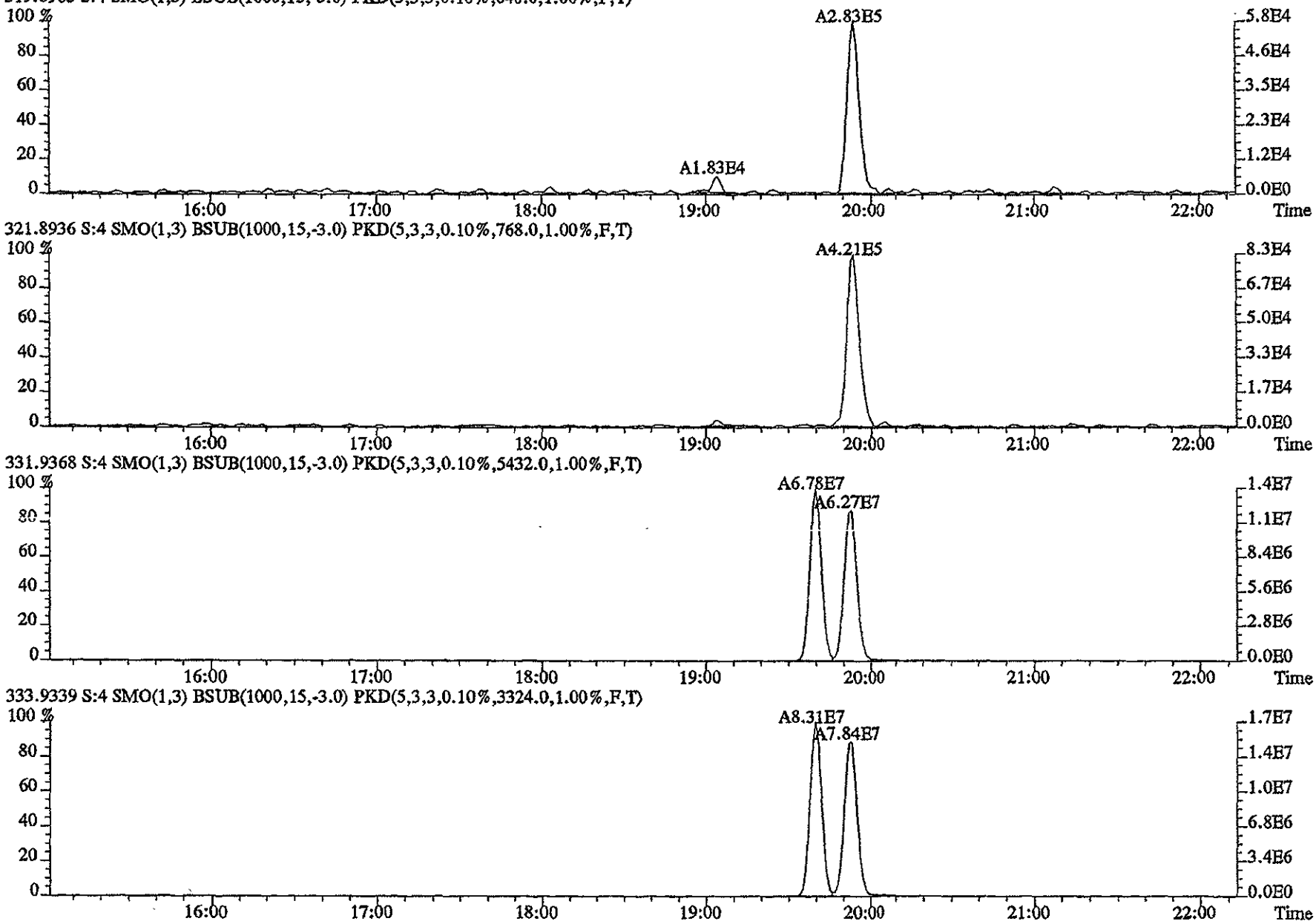
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	151409600	0.82	y	19:40	-	113.81	-	-	n
13C-2,3,7,8-TCDF	230171000	0.79	y	19:04	1.52	1999.28	0.93	100.0	n
2,3,7,8-TCDF	21242270	0.79	y	19:05	0.95	195.26	0.34	-	n
Total TCDF	21588235	1.02	n	18:04	0.95	198.44	0.34	-	n
13C-2,3,7,8-TCDD	152072000	0.79	y	19:52	0.95	2115.17	1.71	105.8	n
2,3,7,8-TCDD	15275820	0.77	y	19:53	1.02	196.77	0.50	-	n
Total TCDD	15275820	0.77	y	19:53	1.02	196.77	0.50	-	n
37Cl-2,3,7,8-TCDD	37521800	1.00	y	19:53	2.26	219.18	0.48	109.6	n
13C-1,2,3,7,8-PeCDF	168794500	1.54	y	24:49	1.05	2122.81	0.96	106.1	n
1,2,3,7,8-PeCDF	42754900	1.53	y	24:50	1.04	484.89	0.77	-	n
2,3,4,7,8-PeCDF	39304600	1.50	y	26:21	0.98	474.17	0.82	-	n
Total F2 PeCDF	83226107	0.21	n	23:12	1.01	972.70	0.79	-	n
Total F1 PeCDF	10469	0.45	n	16:46	1.01	0.12	0.61	-	n
13C-1,2,3,7,8-PeCDD	109679100	1.54	y	27:09	0.67	2160.84	0.25	108.0	n
1,2,3,7,8-PeCDD	25416700	1.60	y	27:11	0.98	472.01	0.97	-	n
Total PeCDD	25446396	1.18	n	24:49	0.98	472.56	0.97	-	n
13C-1,2,3,7,8,9-HxCDD	113147700	1.27	y	33:11	-	110.11	-	-	n
13C-1,2,3,4,7,8-HxCDF	123877600	0.52	y	32:02	1.02	2136.54	0.23	106.8	n
1,2,3,4,7,8-HxCDF	37911400	1.23	y	32:03	1.21	504.76	0.33	-	n
1,2,3,6,7,8-HxCDF	40651300	1.15	y	32:10	1.34	488.77	0.30	-	n
2,3,4,6,7,8-HxCDF	35521200	1.16	y	32:43	1.22	469.20	0.32	-	n
1,2,3,7,8,9-HxCDF	31499000	1.17	y	33:21	1.09	465.51	0.36	-	n
Total HxCDF	145654993	1.64	n	30:59	1.22	1929.19	0.33	-	n
13C-1,2,3,6,7,8-HxCDD	96396500	1.28	y	32:55	0.81	2111.23	0.43	105.6	n
1,2,3,4,7,8-HxCDD	26232400	1.22	y	32:51	1.01	540.61	0.40	-	n
1,2,3,6,7,8-HxCDD	26144300	1.25	y	32:56	1.11	486.96	0.36	-	n
1,2,3,7,8,9-HxCDD	28011100	1.25	y	33:11	1.21	480.69	0.33	-	n
Total HxCDD	80387800	1.22	y	32:51	1.11	1508.26	0.36	-	n
13C-1,2,3,4,6,7,8-HpCDF	106632500	0.43	y	34:41	0.86	2185.09	4.33	109.3	n
1,2,3,4,6,7,8-HpCDF	33859900	0.94	y	34:42	1.31	484.91	1.62	-	n
1,2,3,4,7,8,9-HpCDF	26897700	0.96	y	35:50	1.03	491.88	2.07	-	n
Total HpCDF	61065054	0.94	y	34:42	1.17	981.73	1.82	-	n
13C-1,2,3,4,6,7,8-HpCDD	86175900	1.05	y	35:30	0.70	2183.88	1.23	109.2	n
1,2,3,4,6,7,8-HpCDD	22374800	1.02	y	35:31	1.07	484.47	1.05	-	n
Total HpCDD	22766213	0.81	n	34:57	1.07	492.95	1.05	-	n
13C-OCDD	132677900	0.90	y	38:01	0.53	4413.39	0.40	110.3	n

OCDF	45645500	0.90	y	38:08	1.45	952.11	0.72	-	n
OCDD	37812000	0.89	y	38:02	1.17	977.46	1.35	-	n

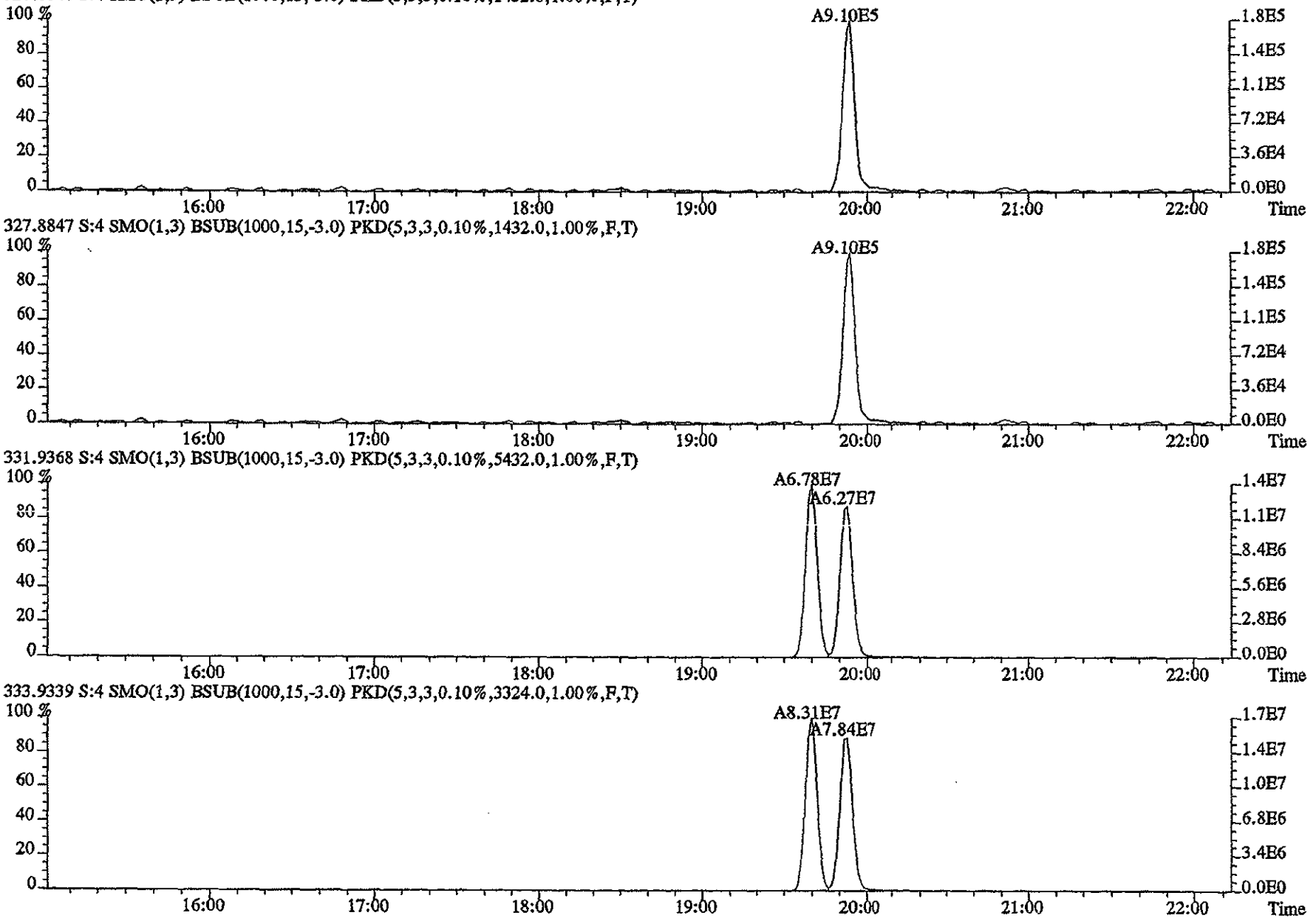
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

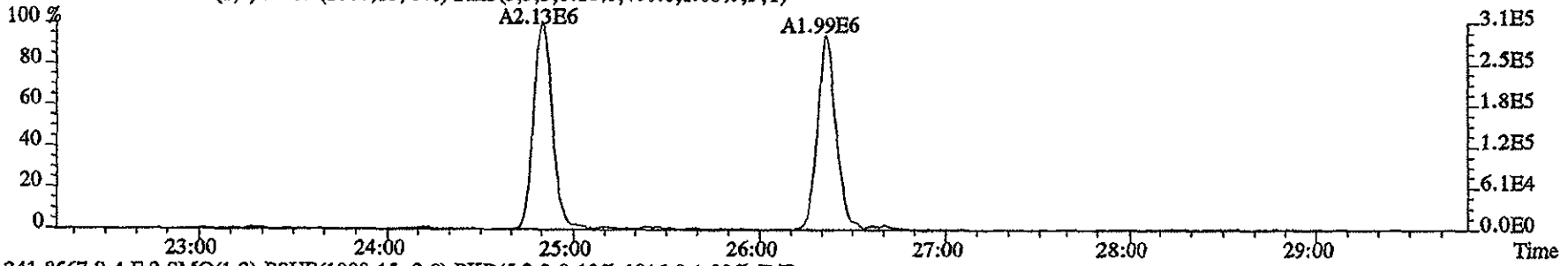


File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

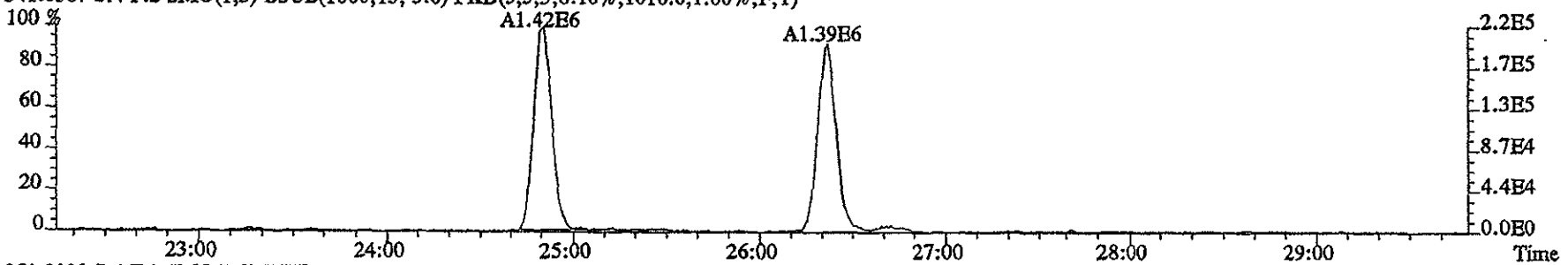


File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

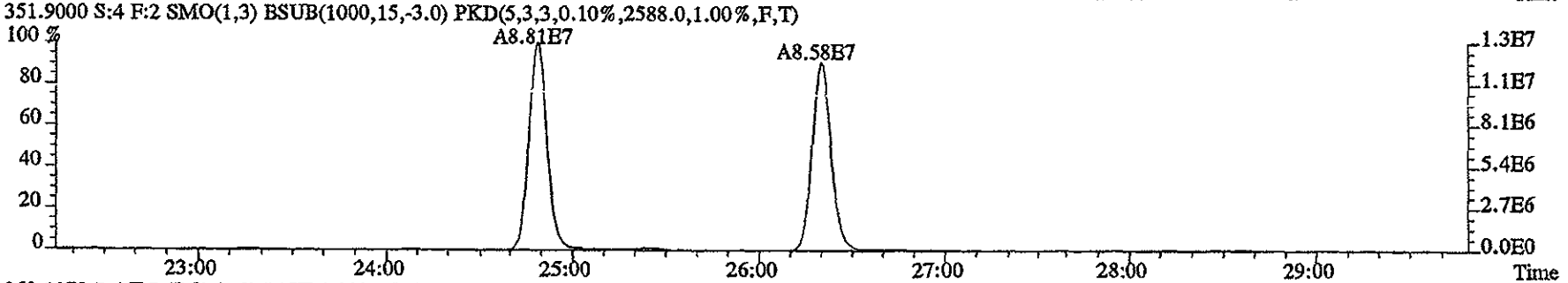
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,400.0,1.00%,F,T)



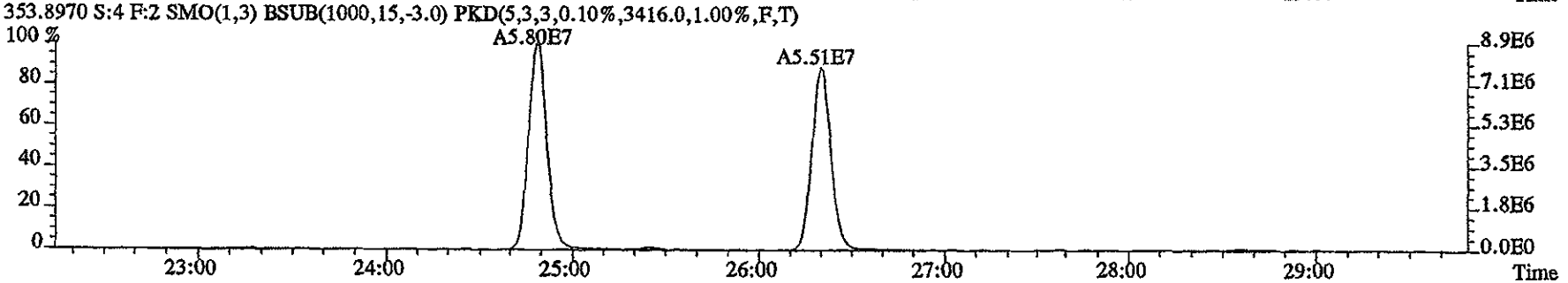
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1016.0,1.00%,F,T)



351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2588.0,1.00%,F,T)

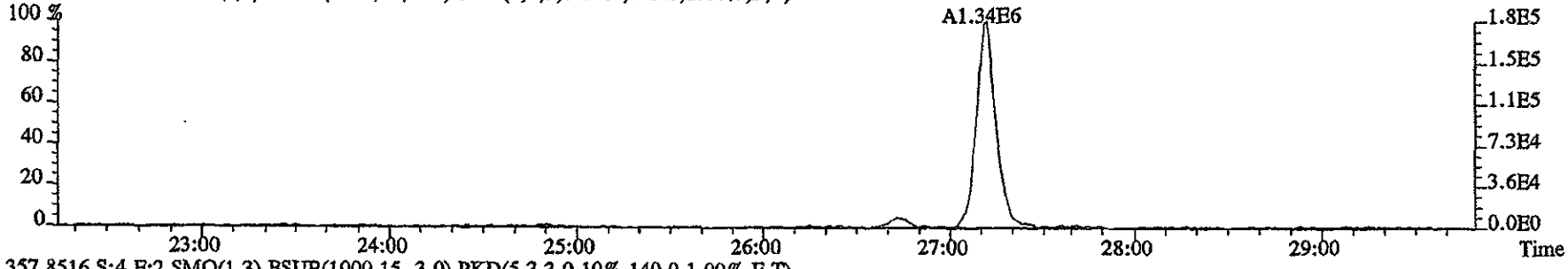


353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)

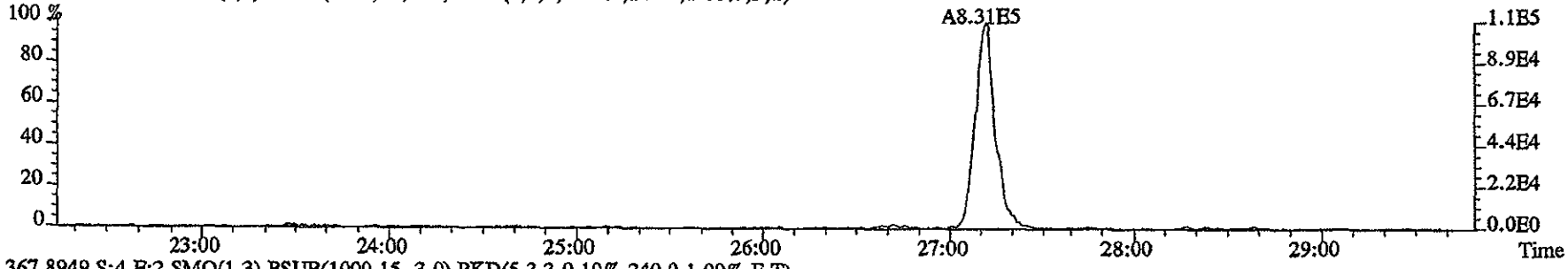


File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

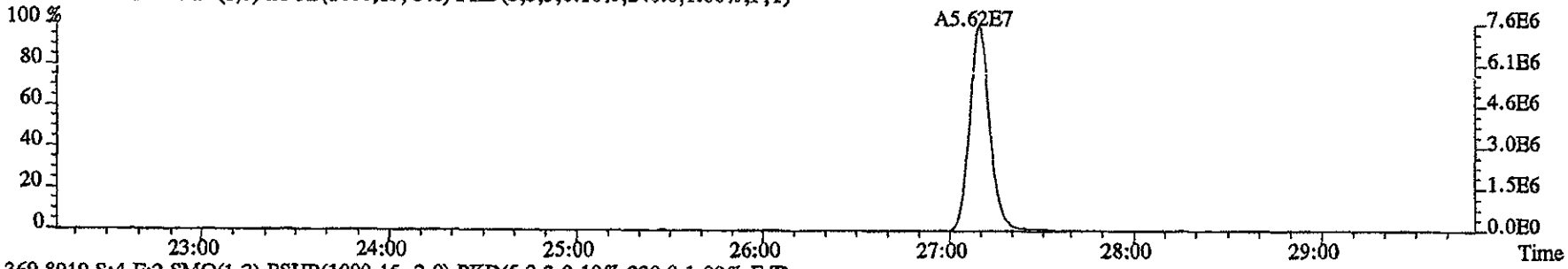
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



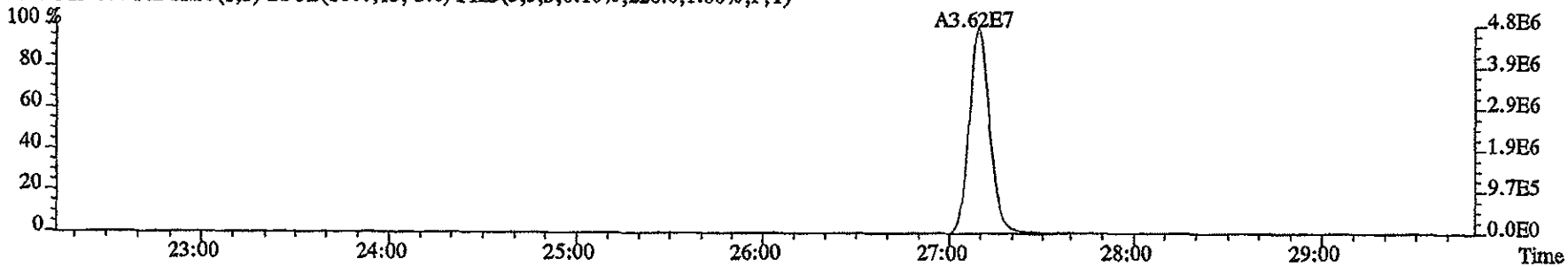
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



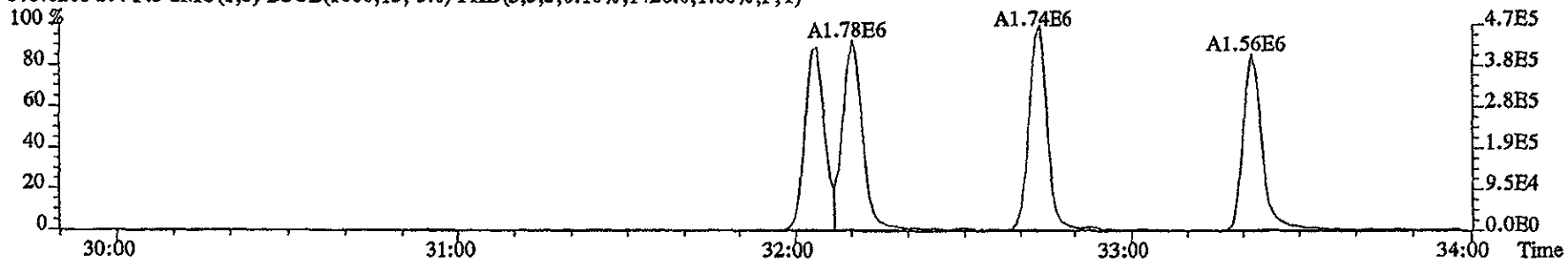
367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,240.0,1.00%,F,T)



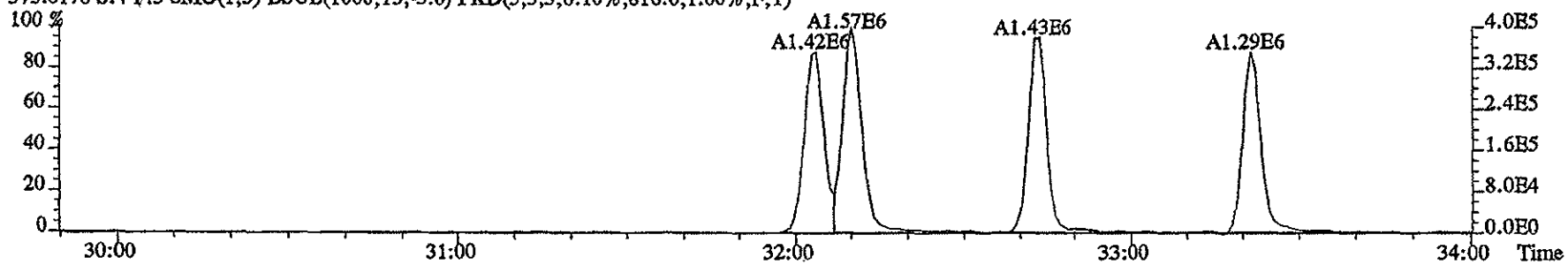
369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,220.0,1.00%,F,T)



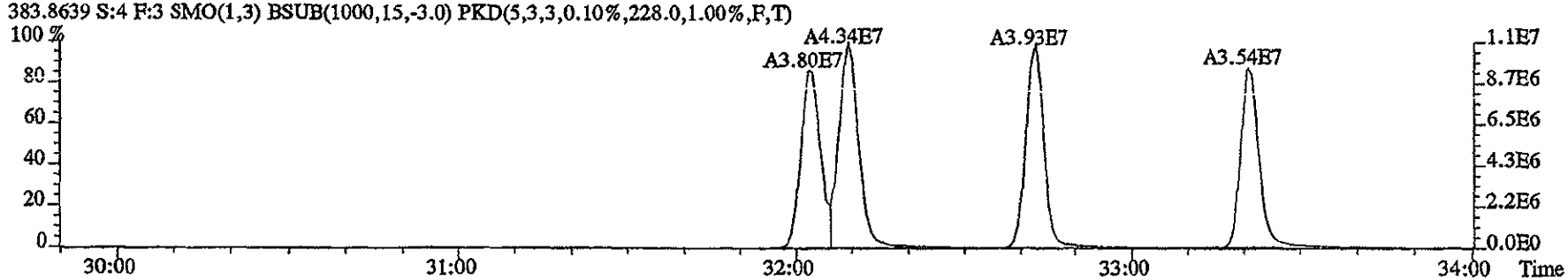
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1420.0,1.00%,F,T)



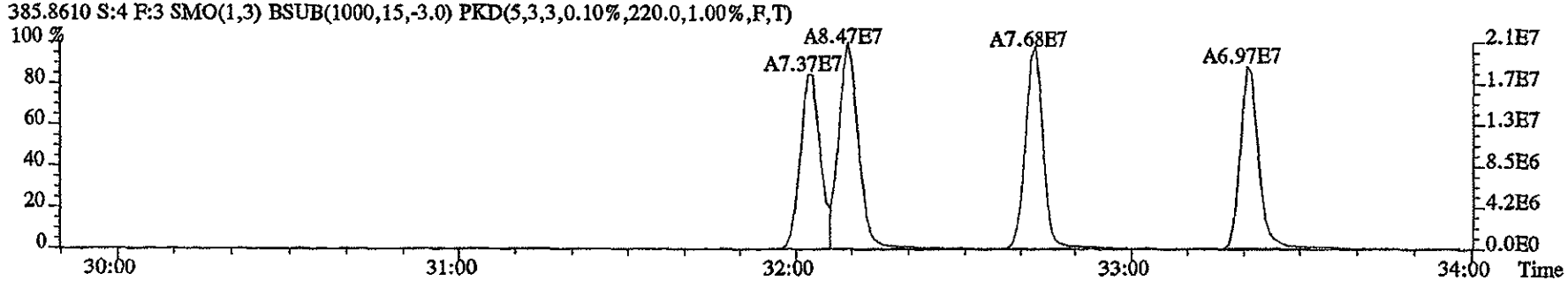
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,816.0,1.00%,F,T)



383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,228.0,1.00%,F,T)

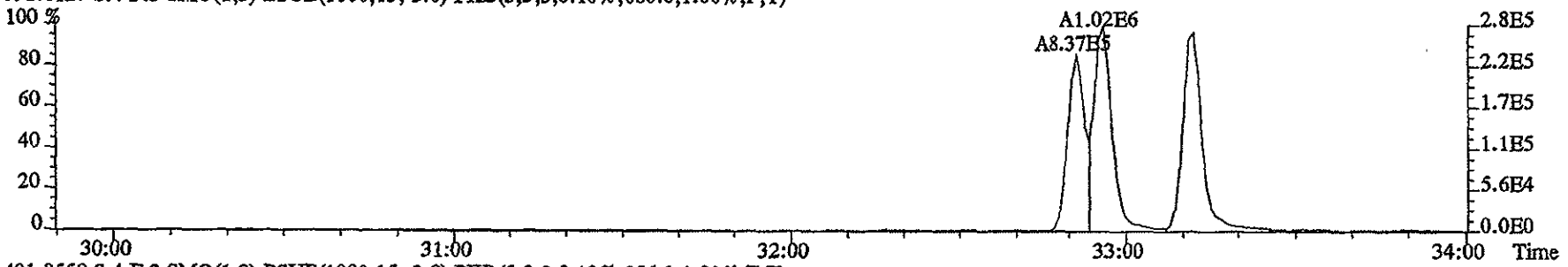


385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,220.0,1.00%,F,T)

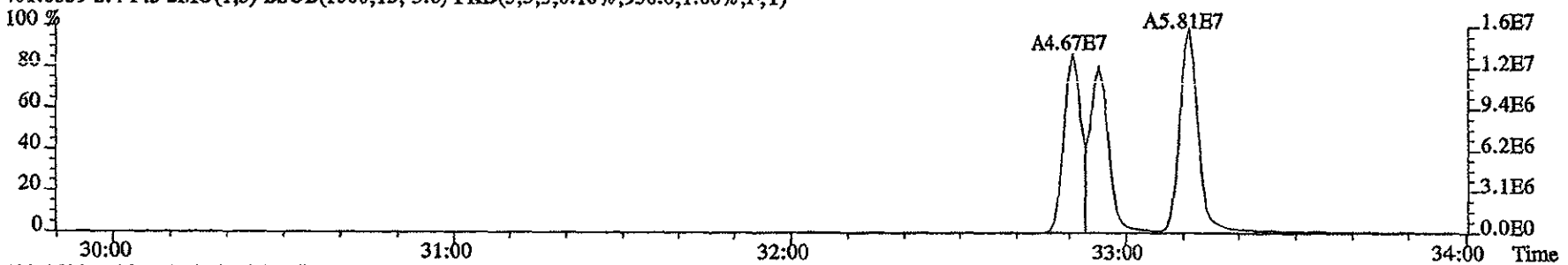


File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)

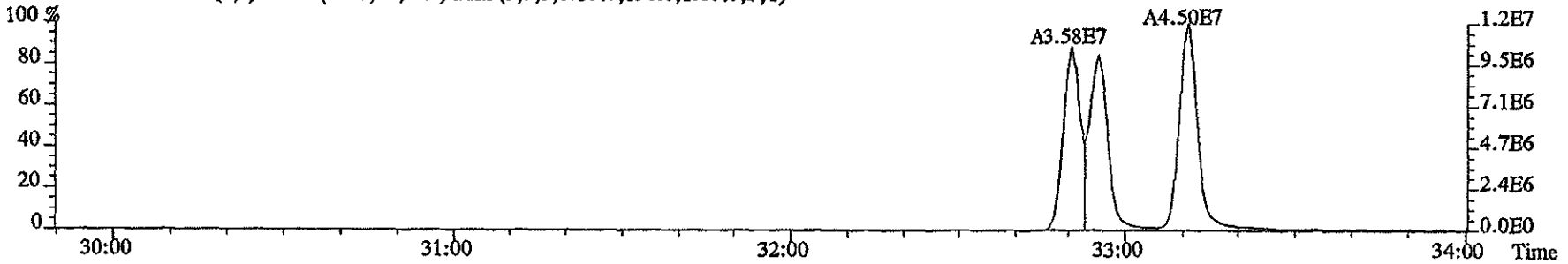
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)



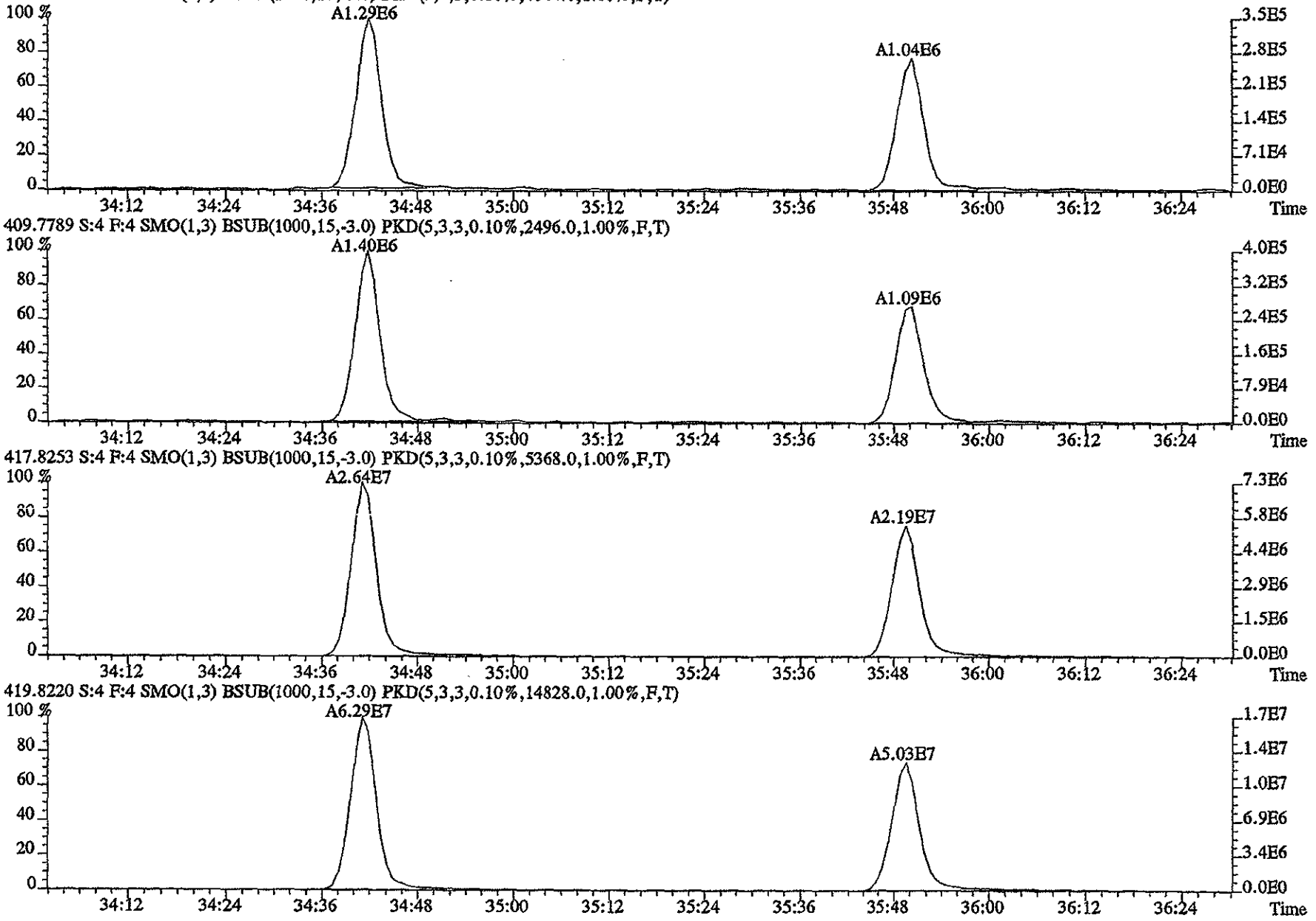
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)



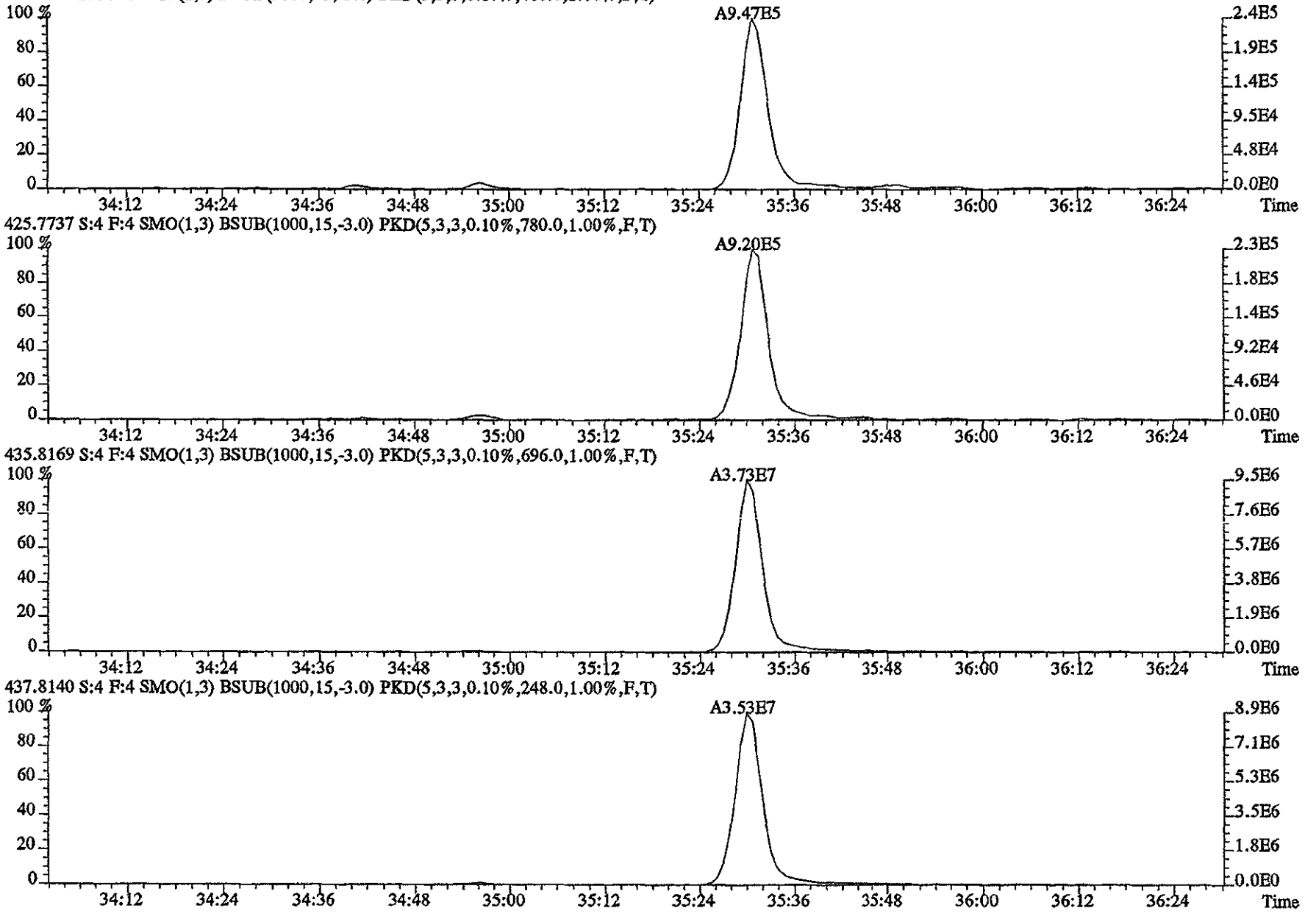
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,196.0,1.00%,F,T)



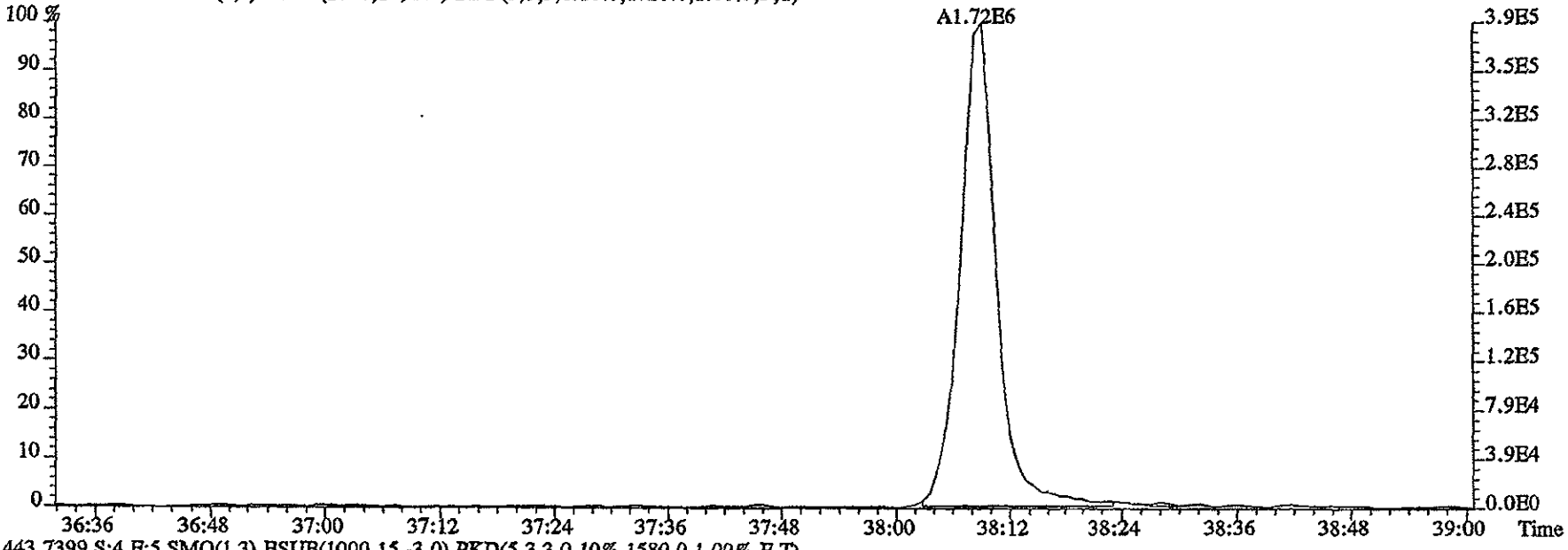
File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



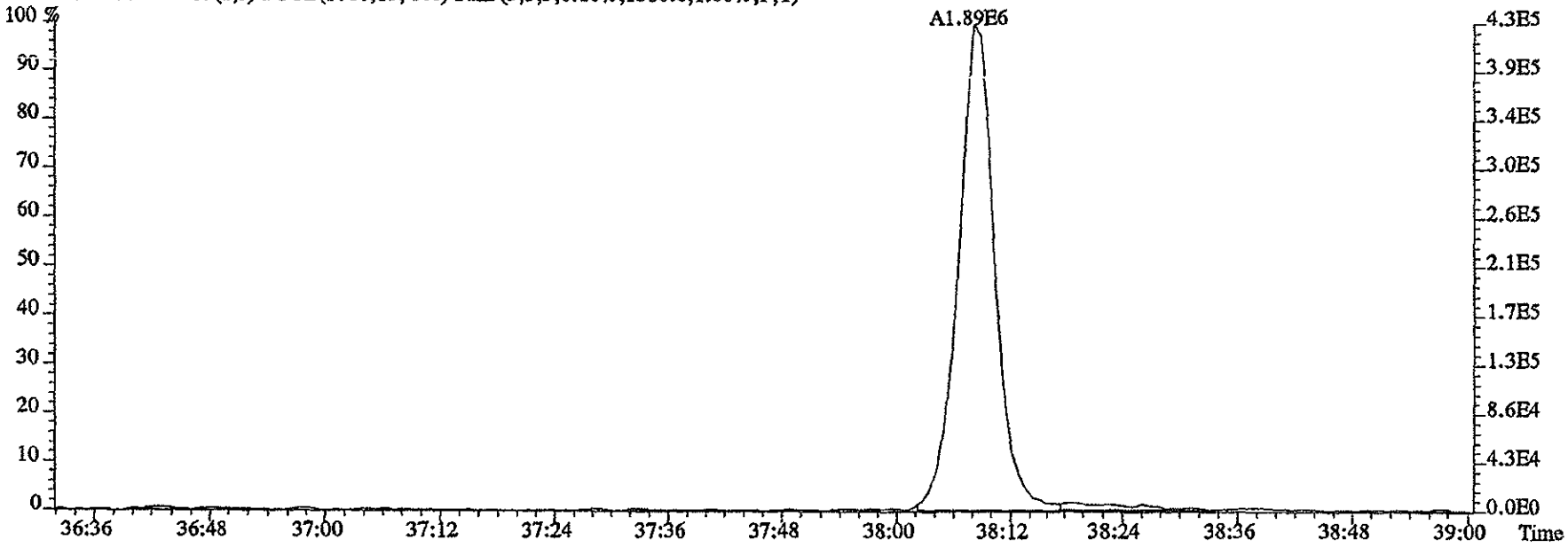
File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



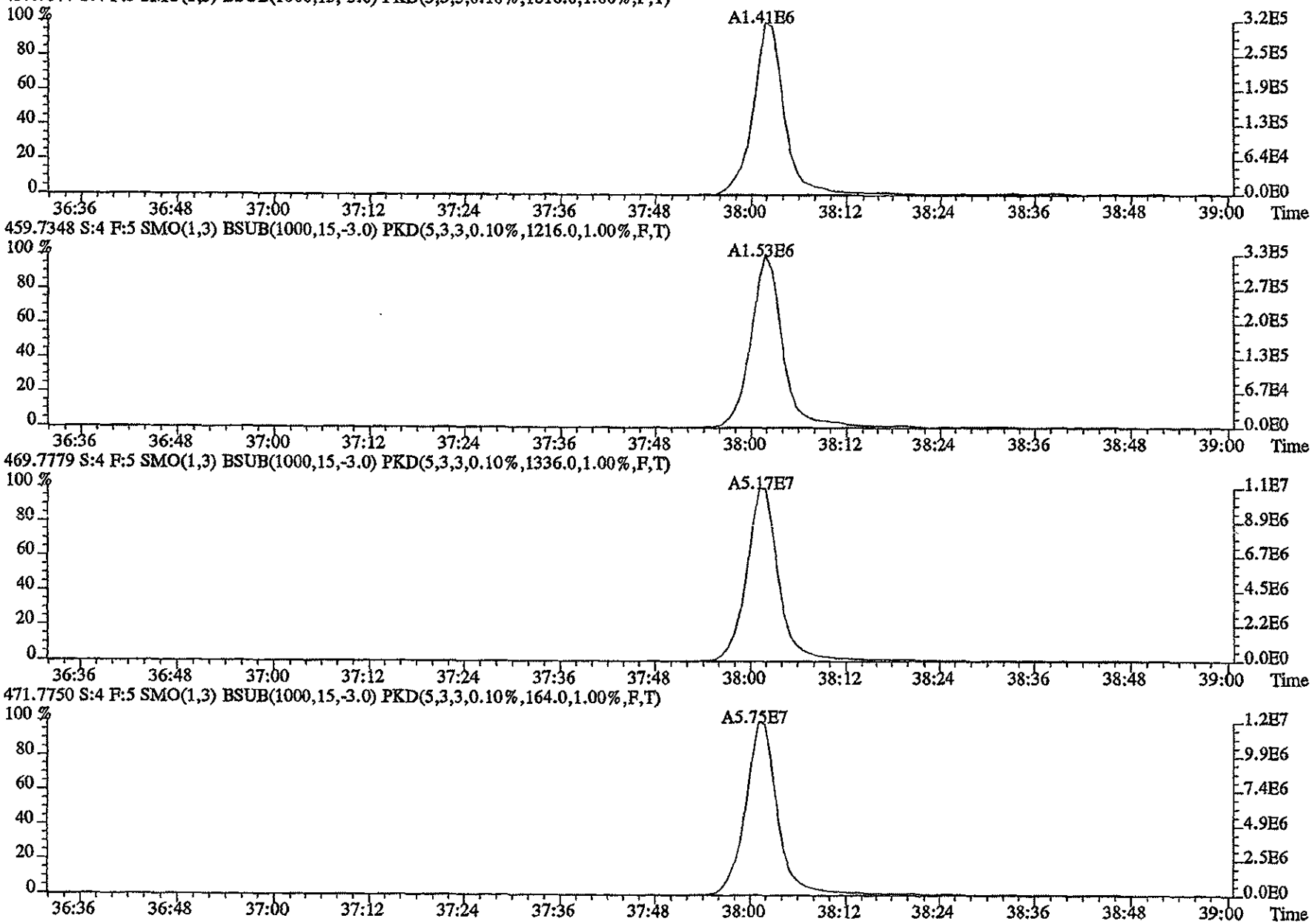
File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1720.0,1.00%,F,T)



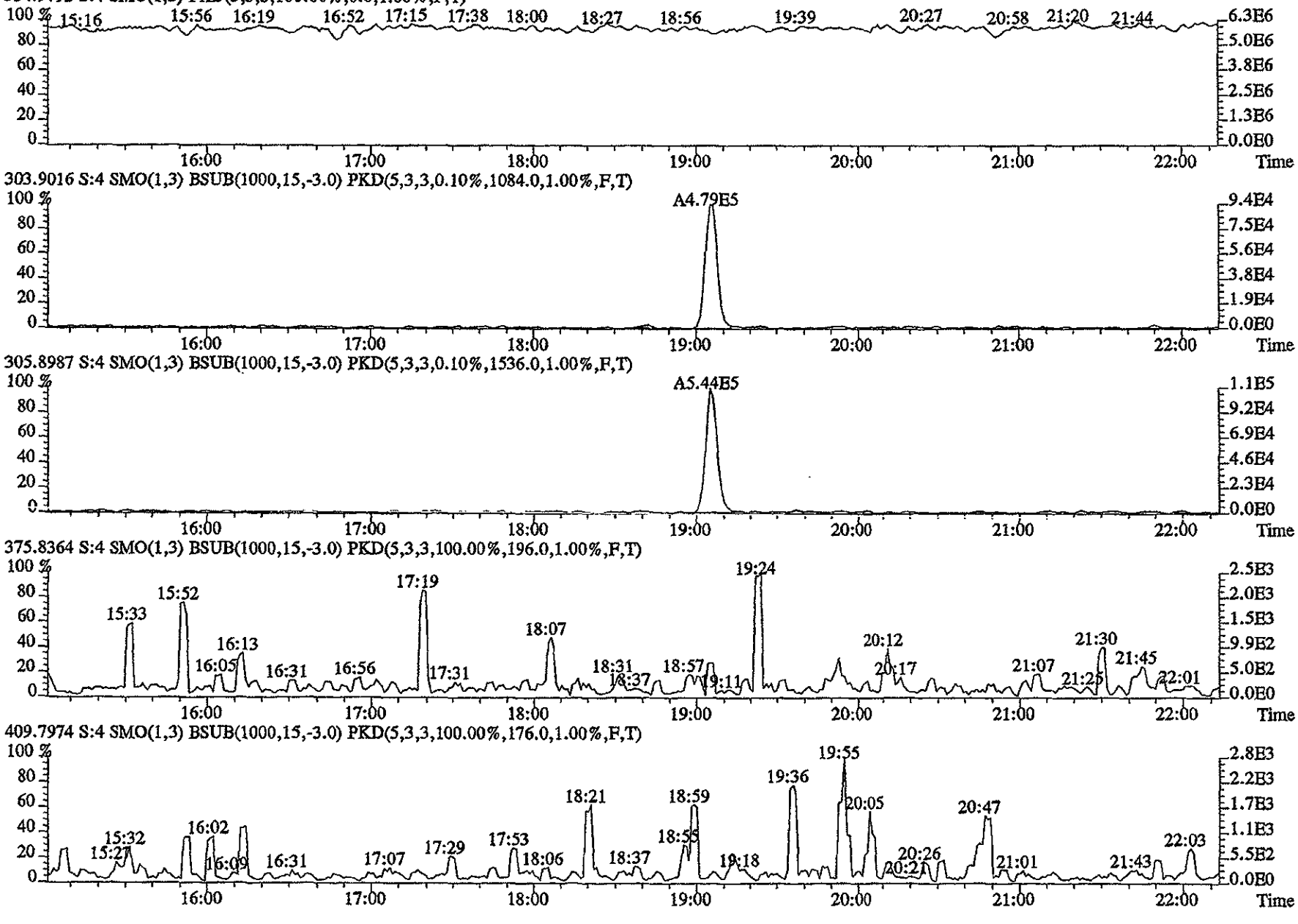
443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1580.0,1.00%,F,T)



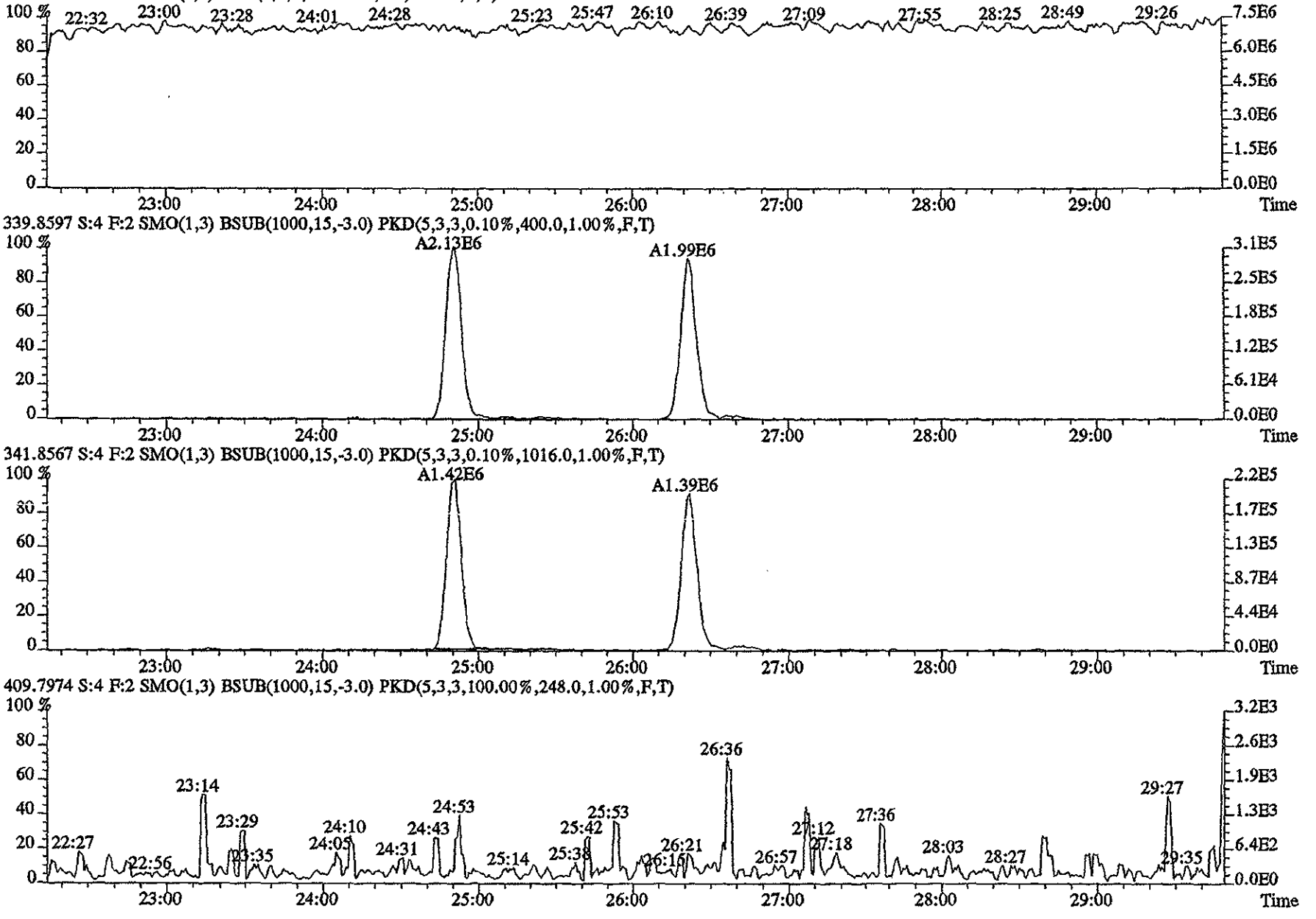
File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



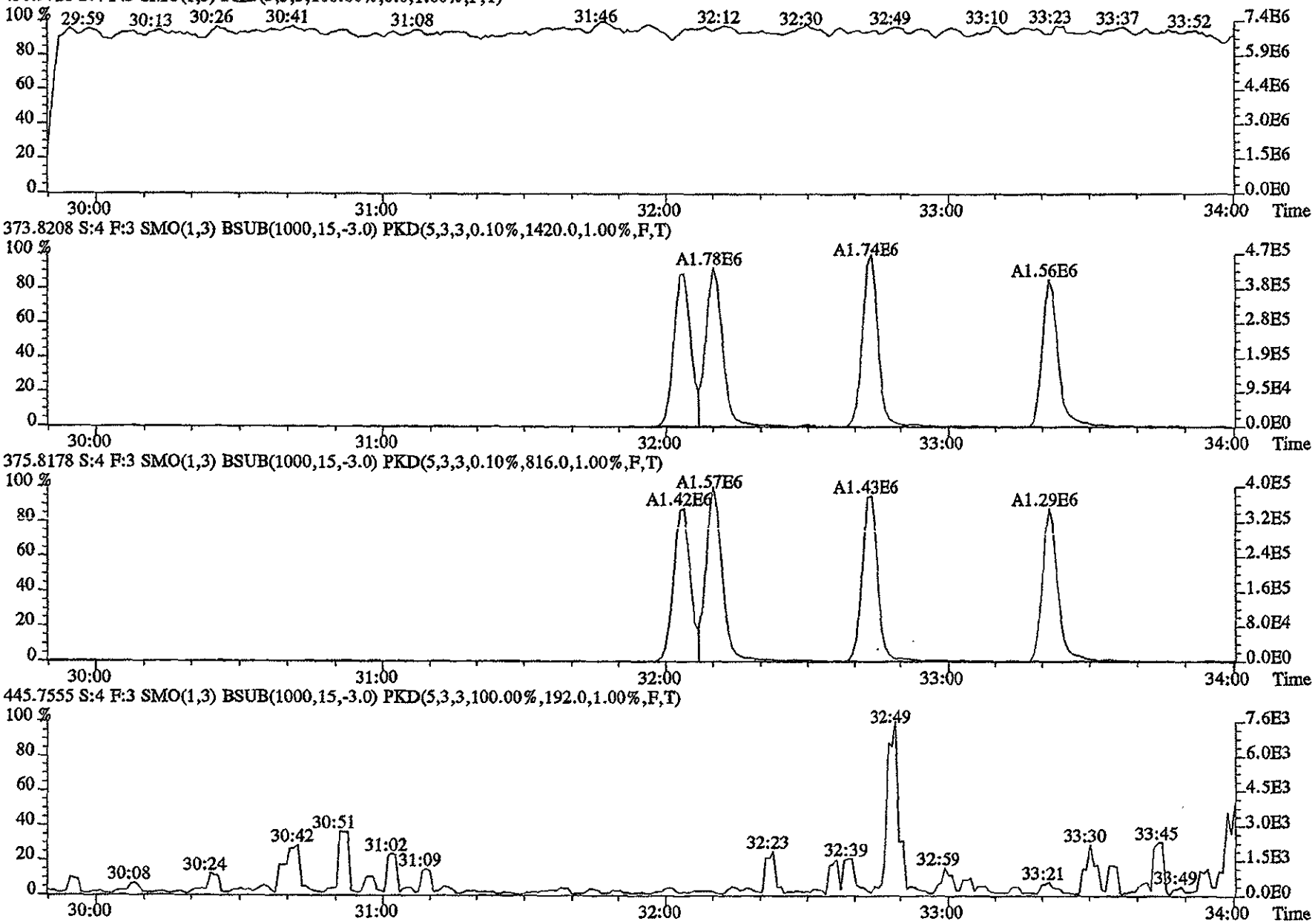
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



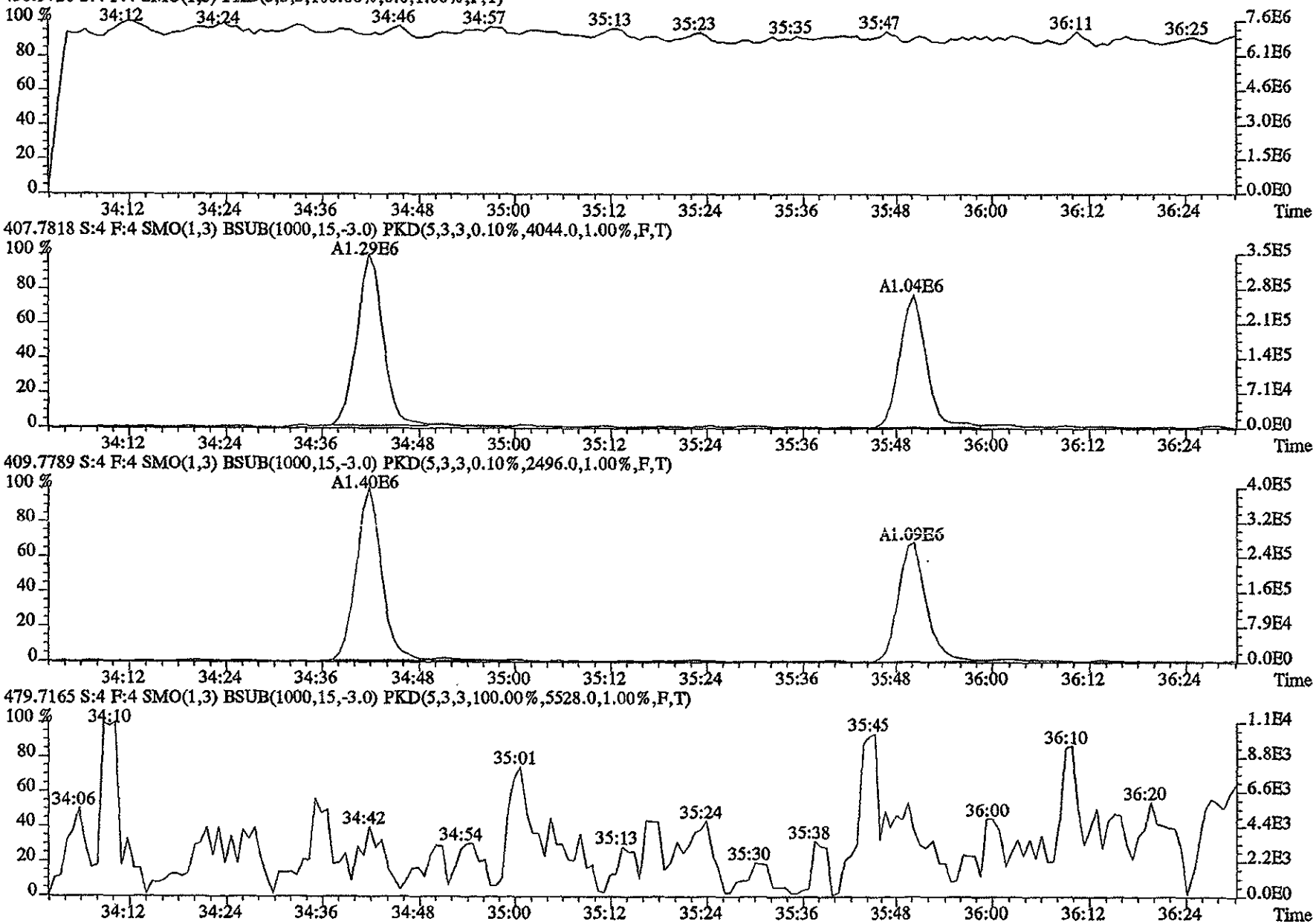
File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



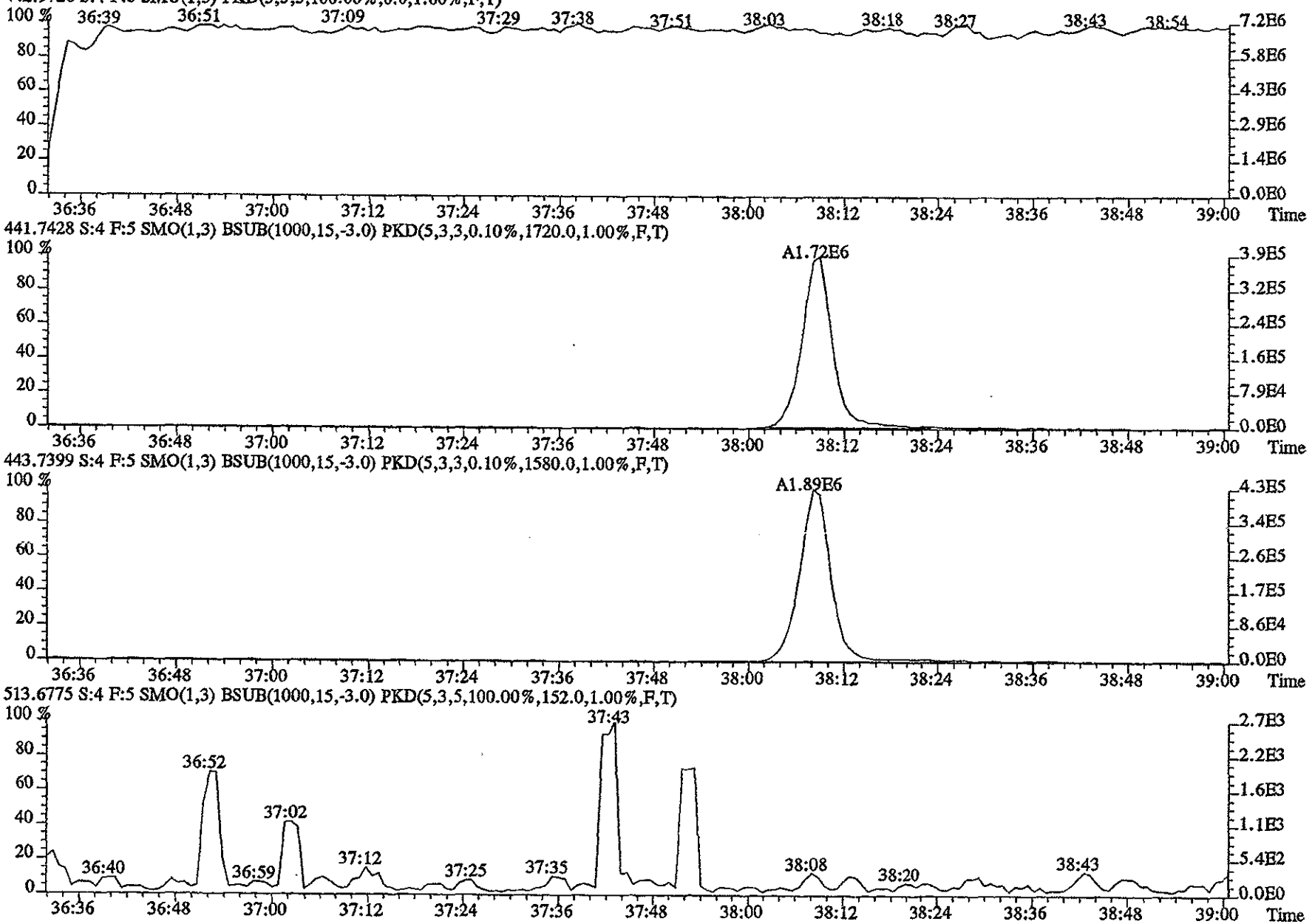
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

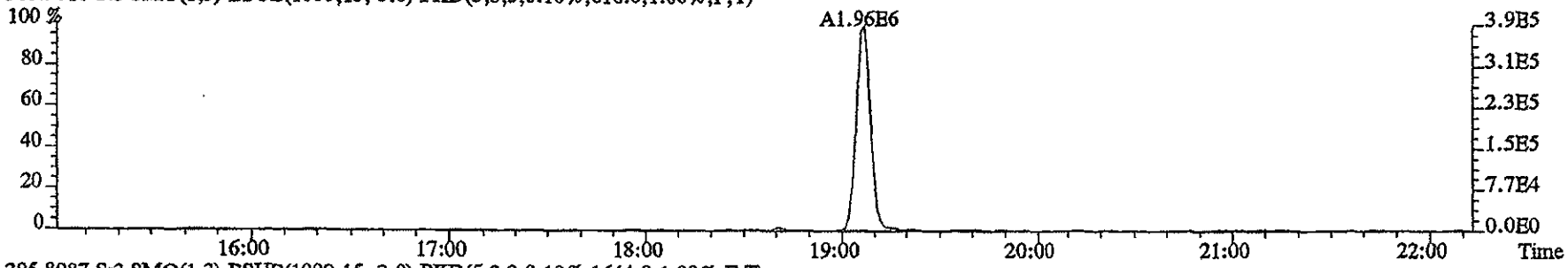


File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

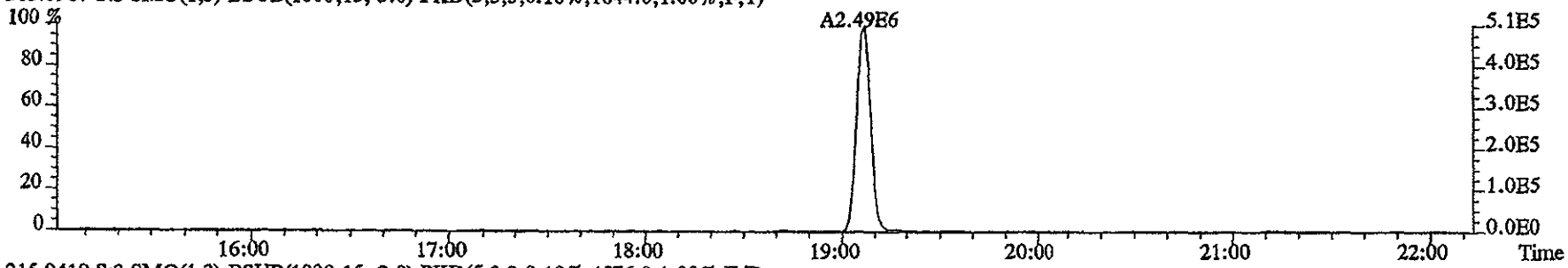


File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

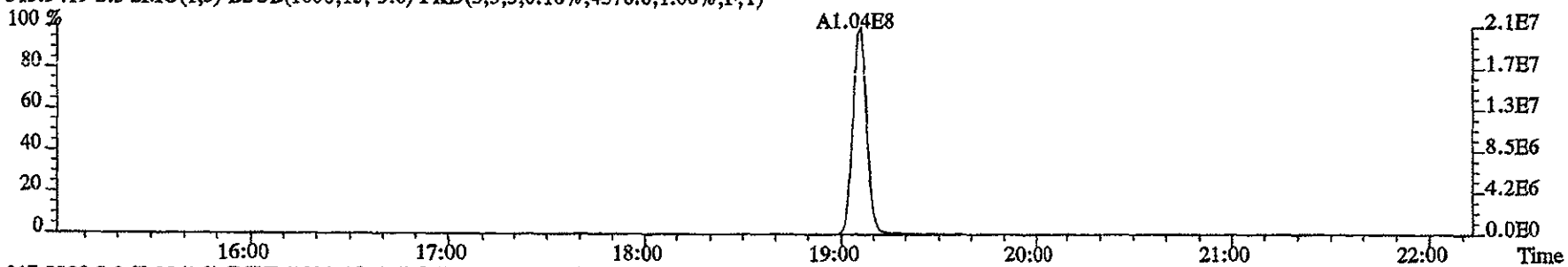
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,616.0,1.00%,F,T)



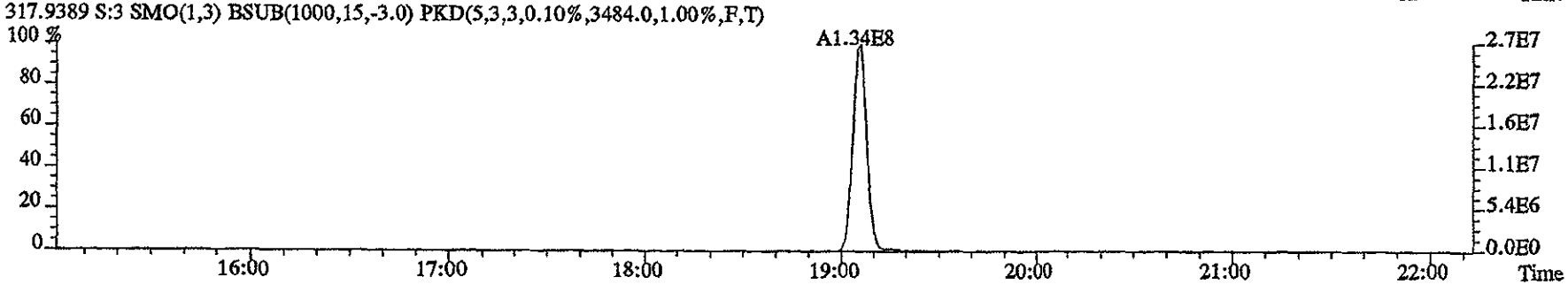
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)



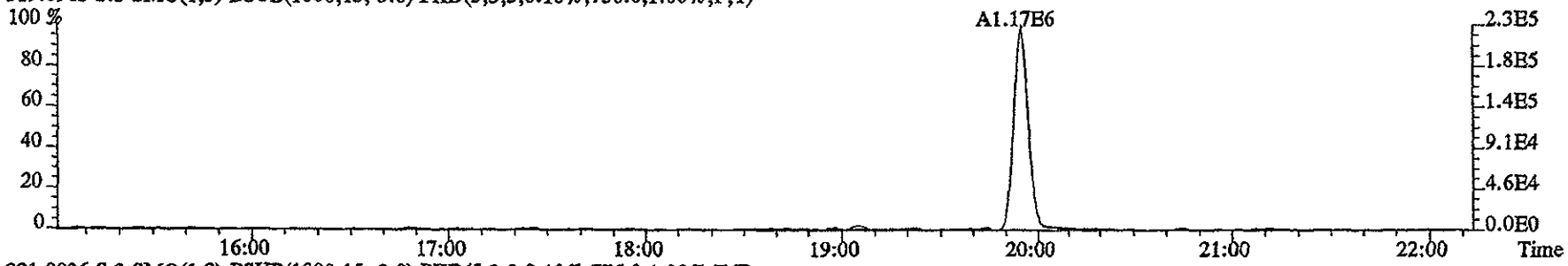
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4576.0,1.00%,F,T)

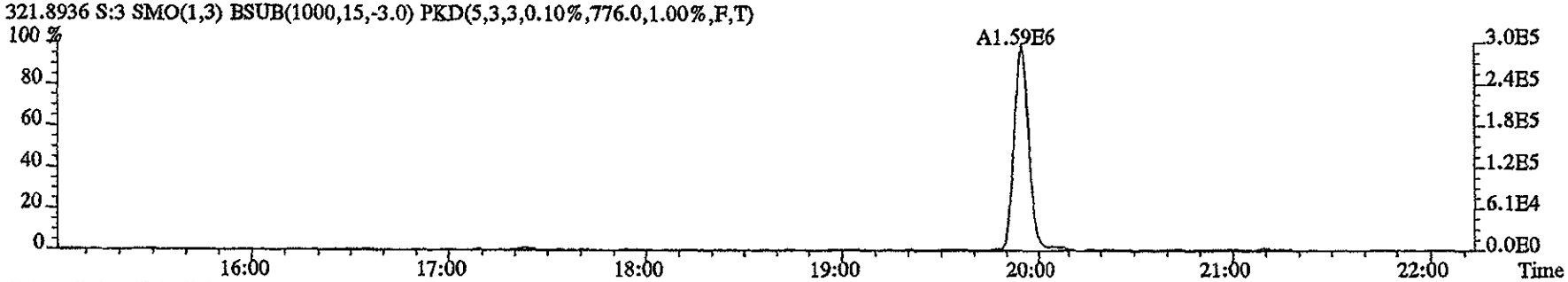


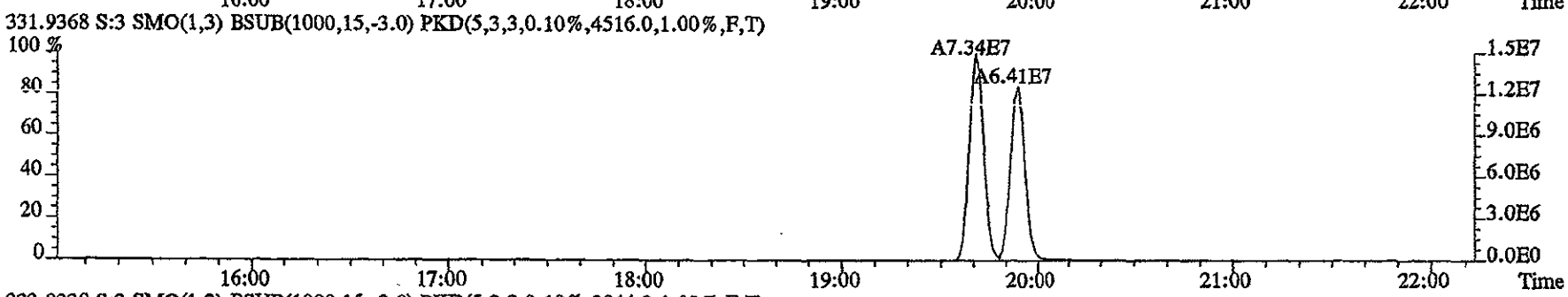
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484.0,1.00%,F,T)

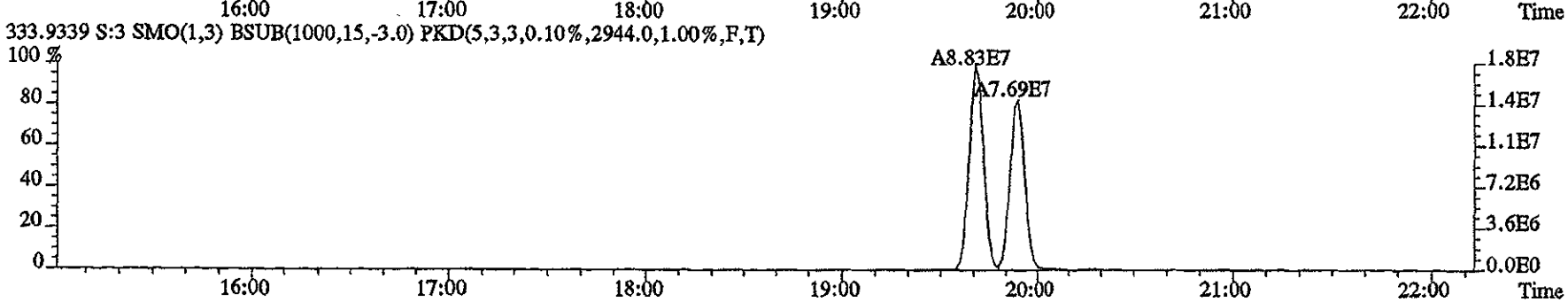


File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



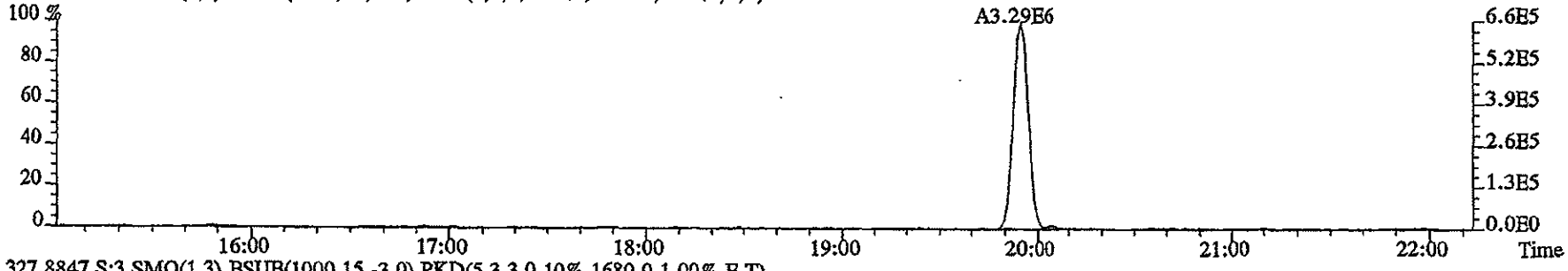




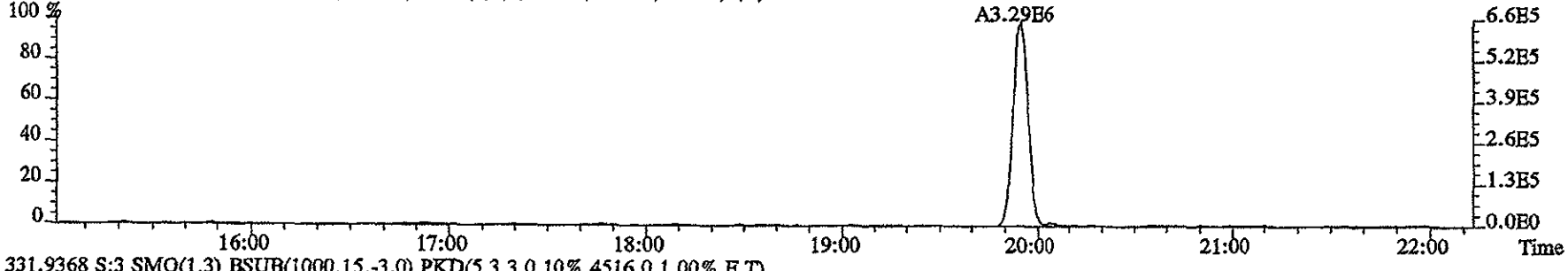


File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

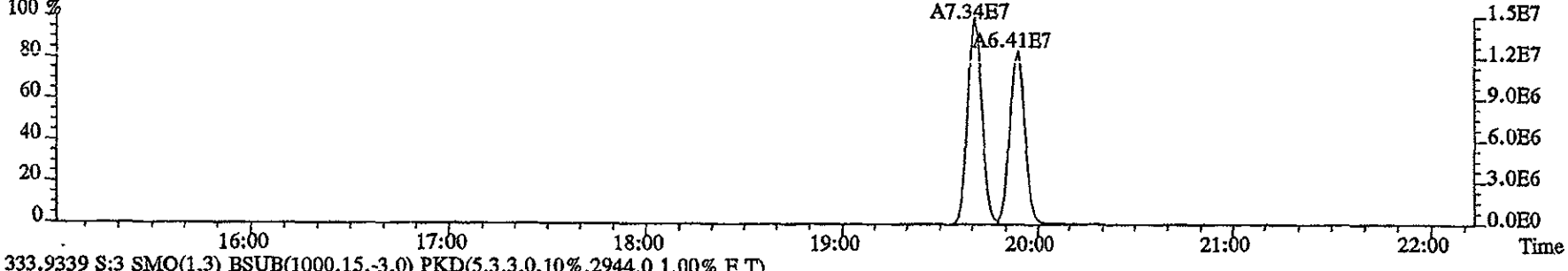
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



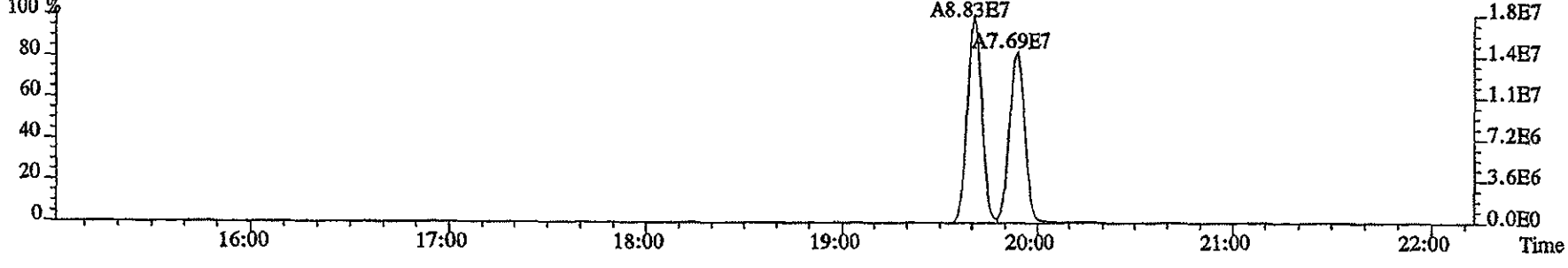
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



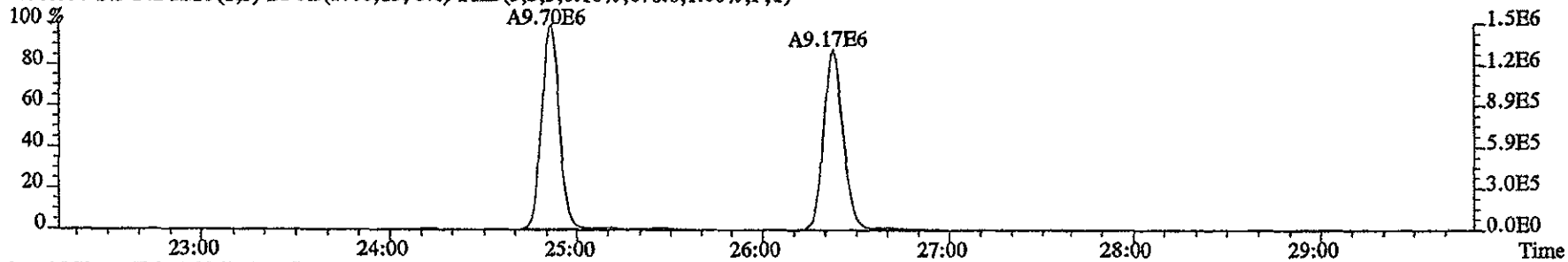
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4516.0,1.00%,F,T)



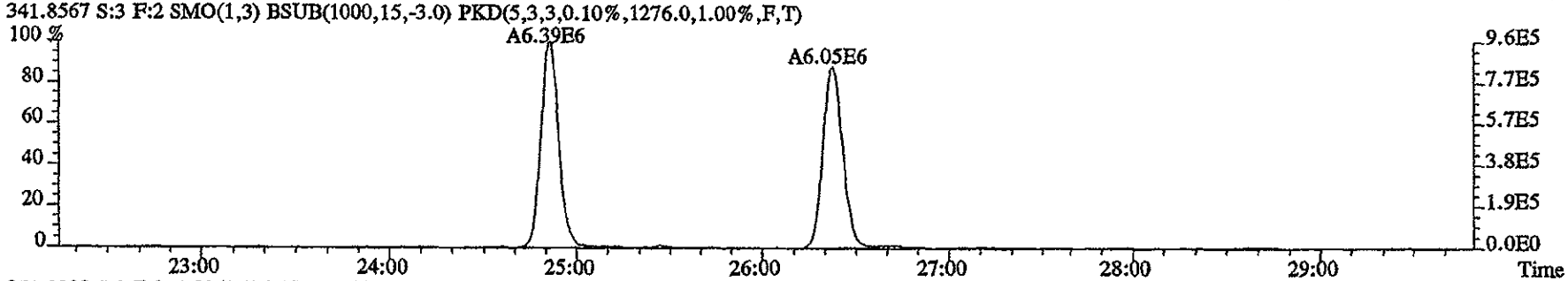
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)



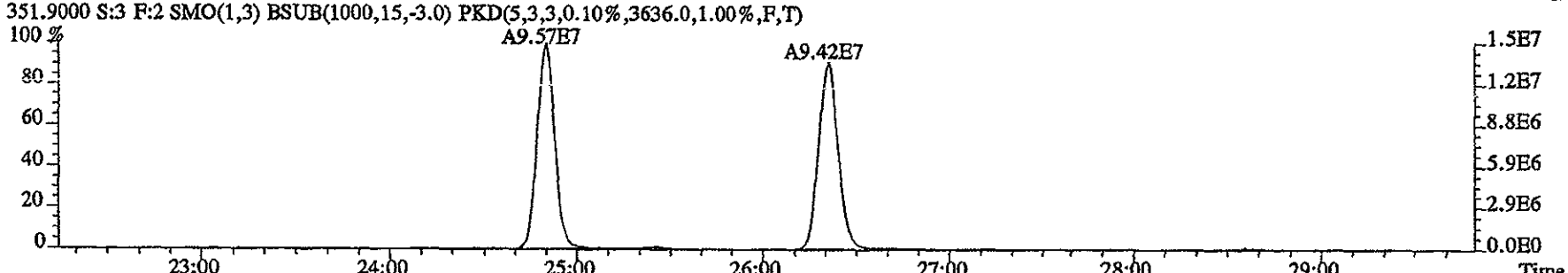
File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



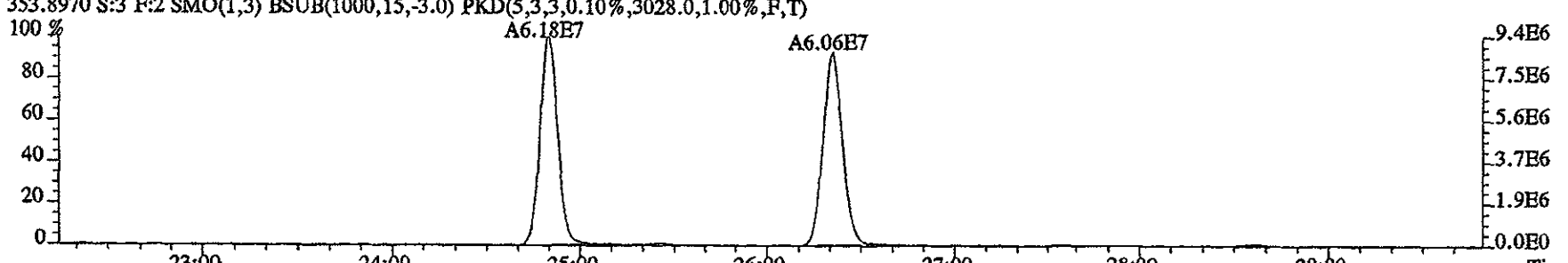
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



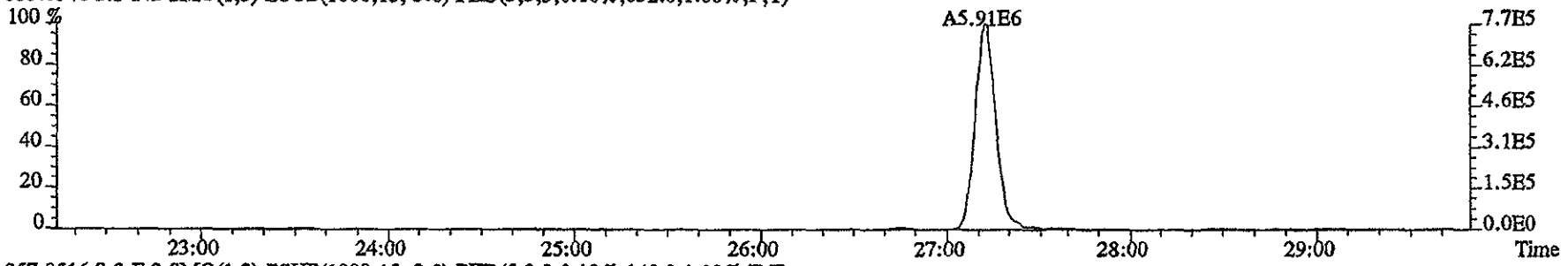
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636.0,1.00%,F,T)

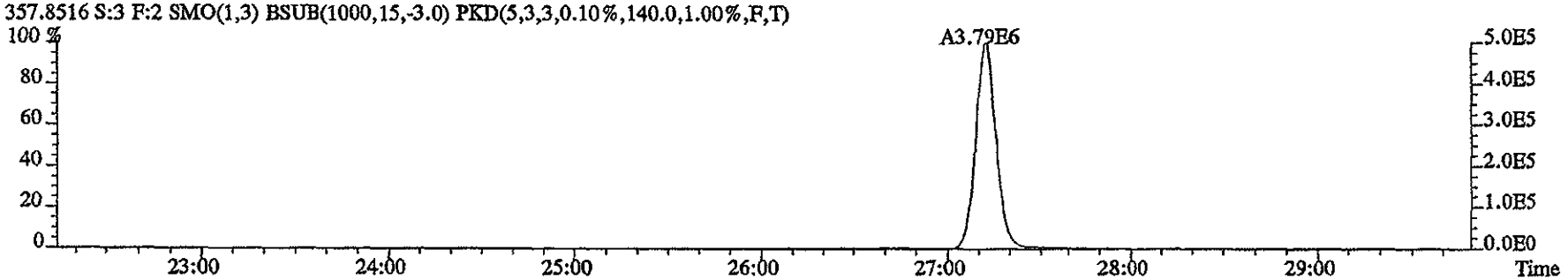


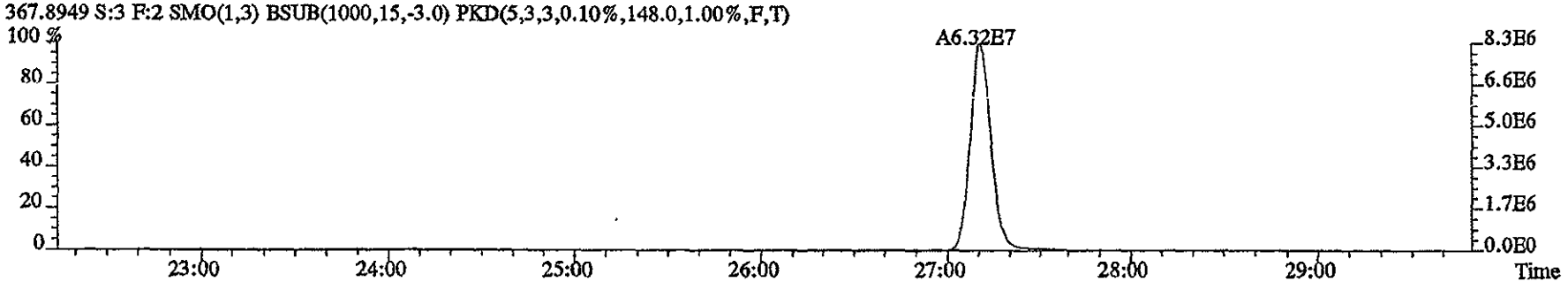
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)

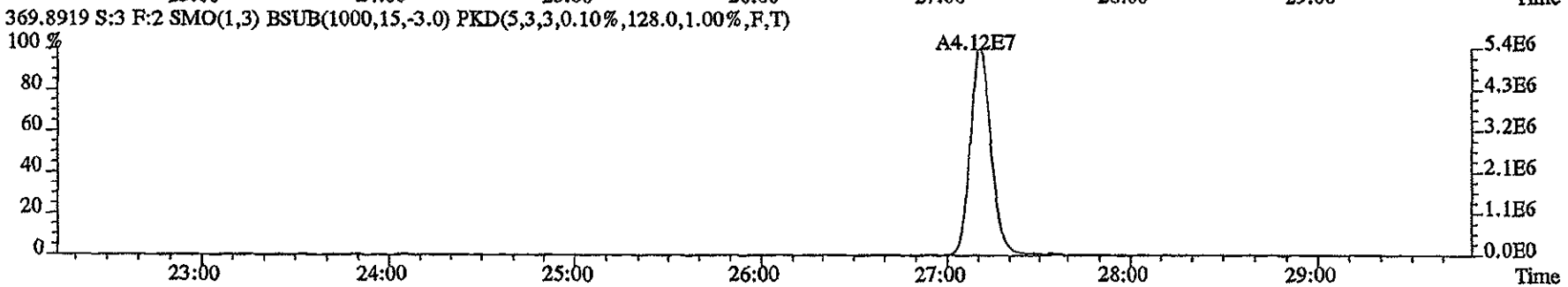


File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

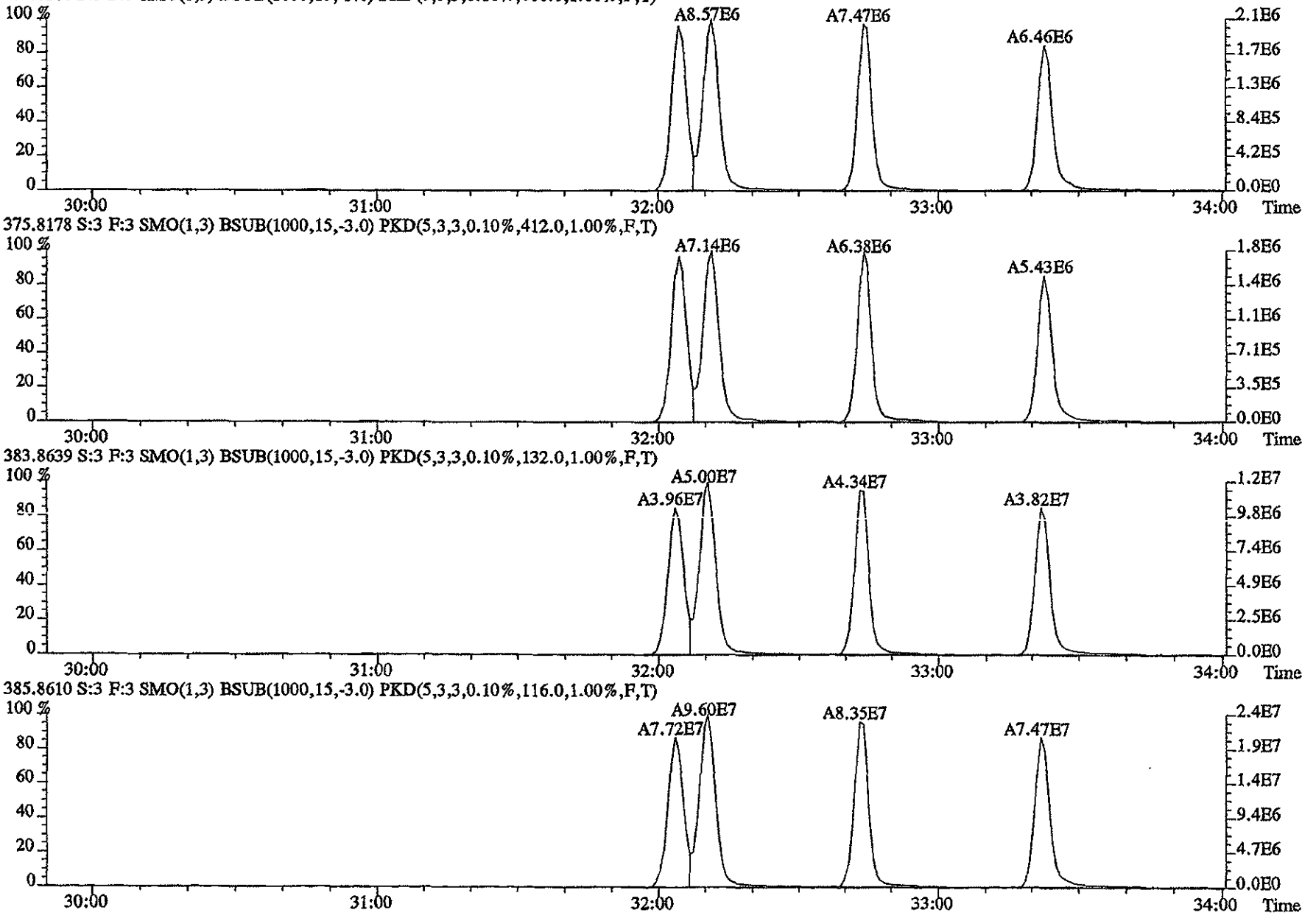




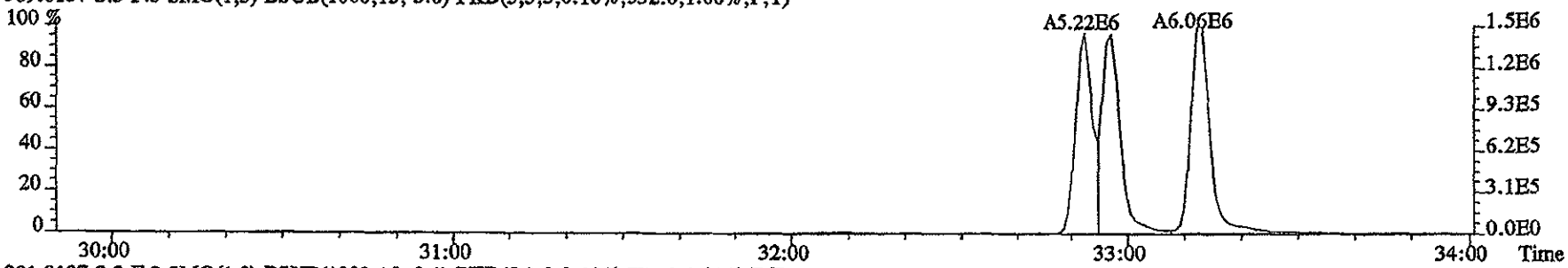


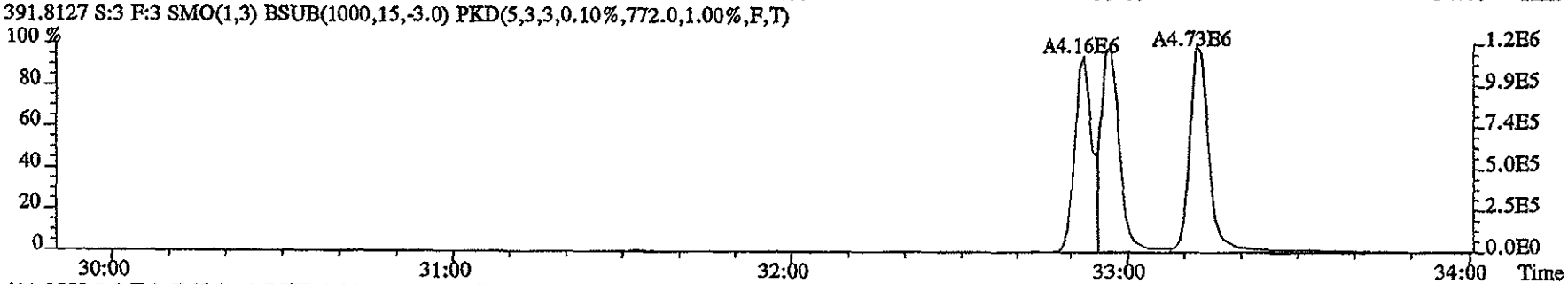


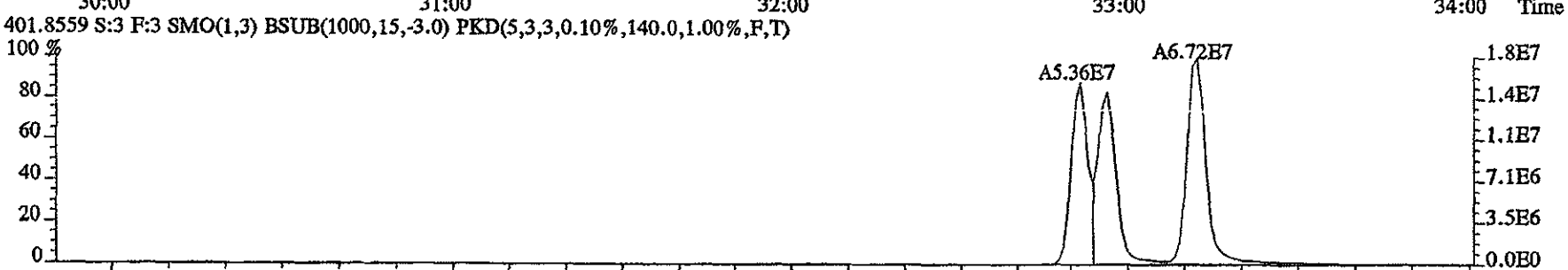
File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

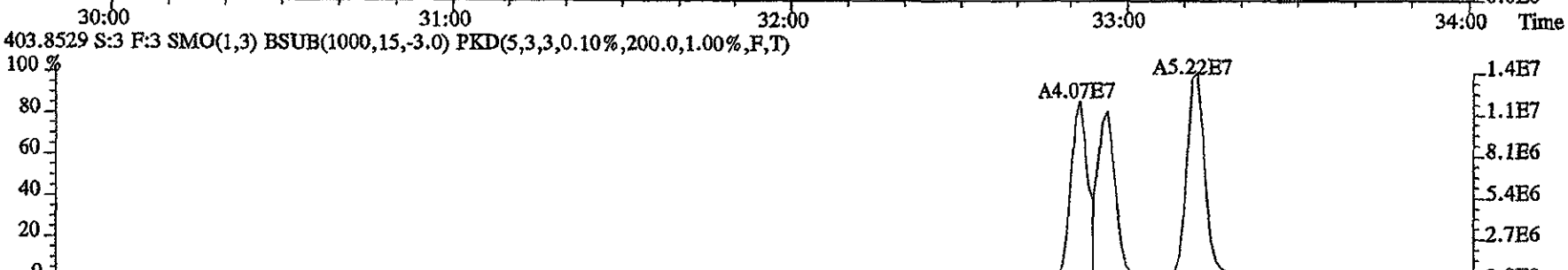


File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

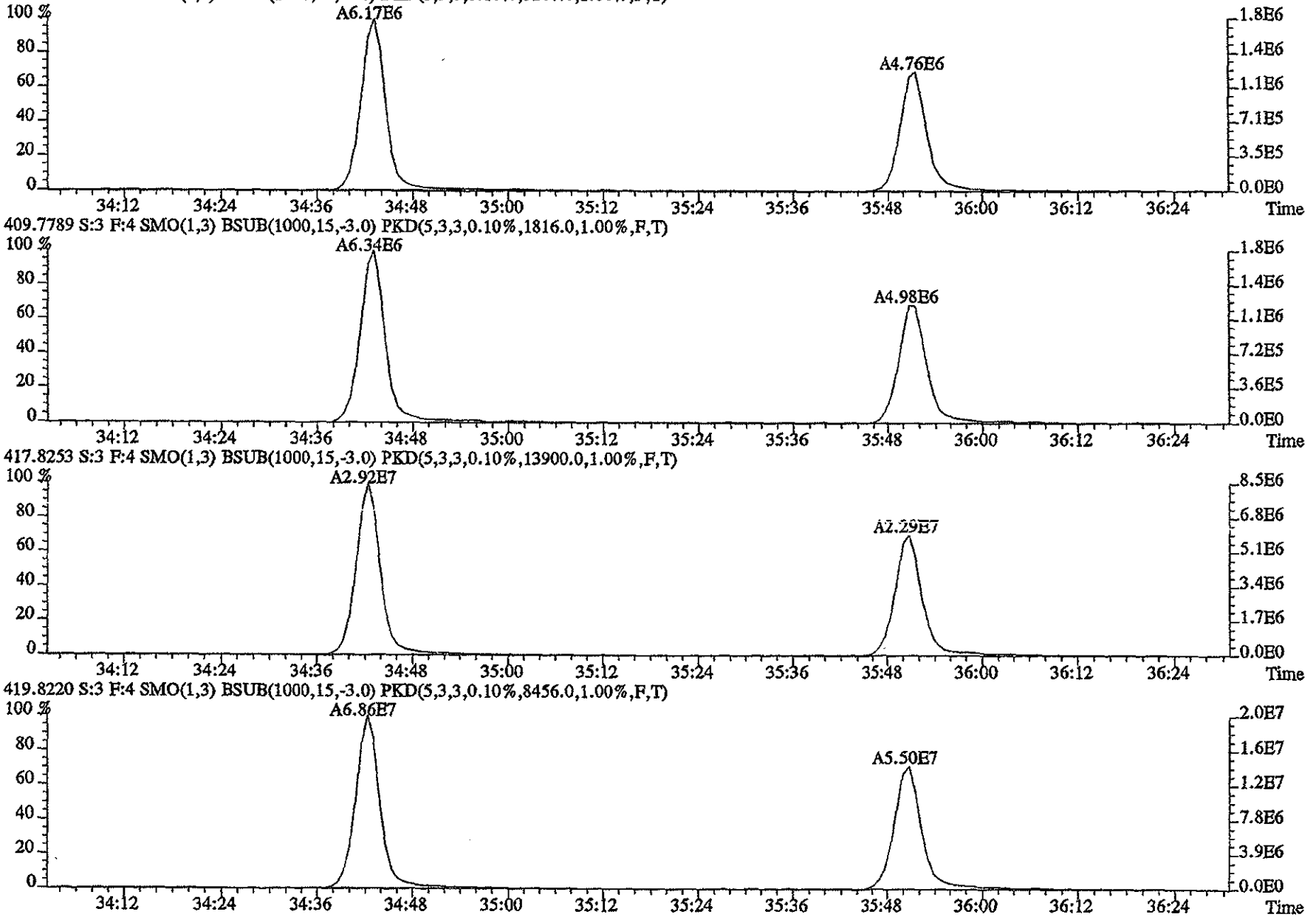




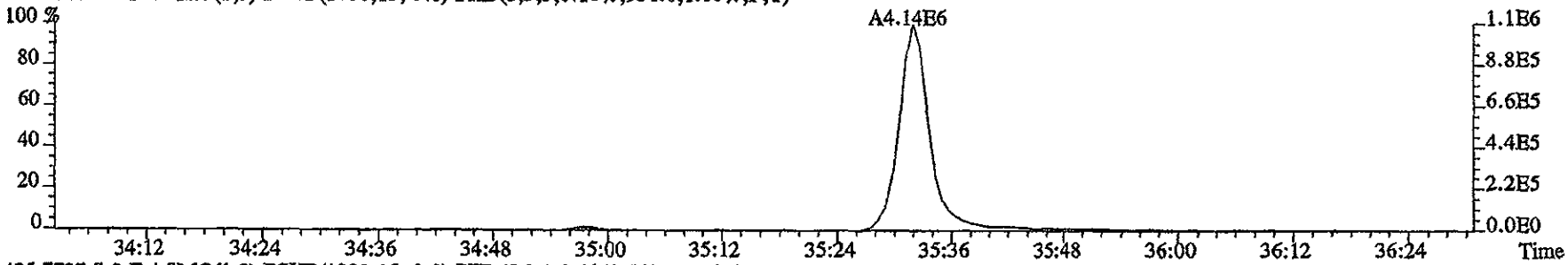




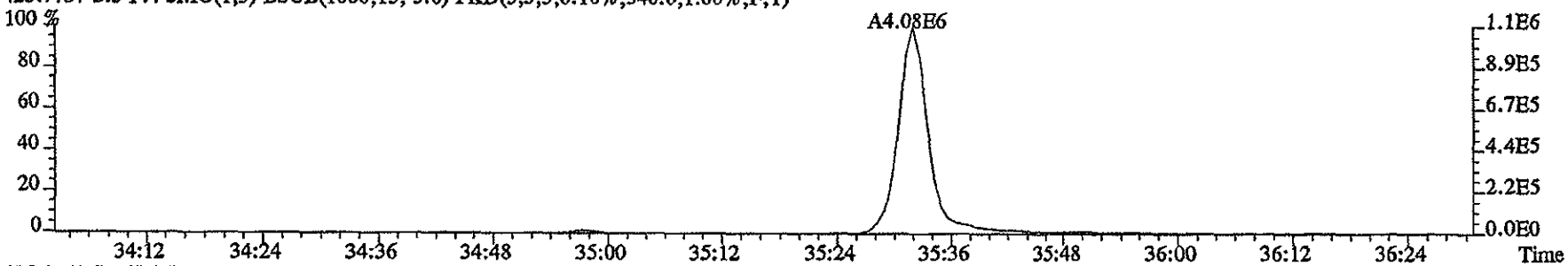
File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



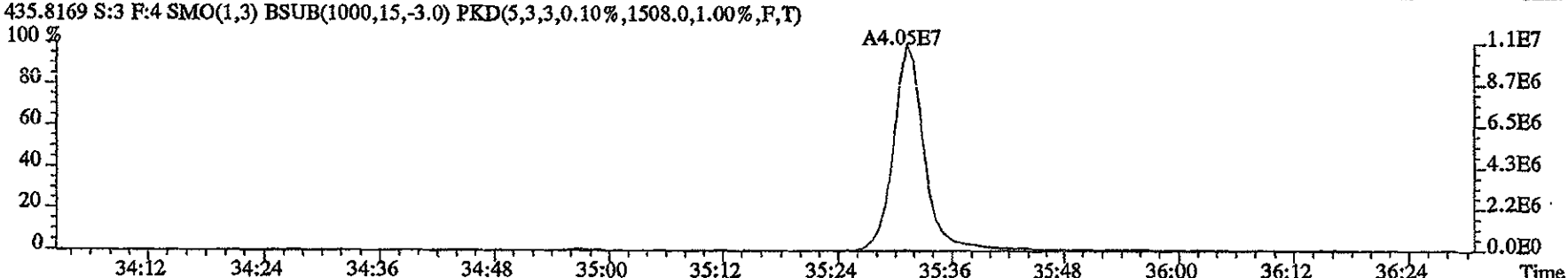
File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)



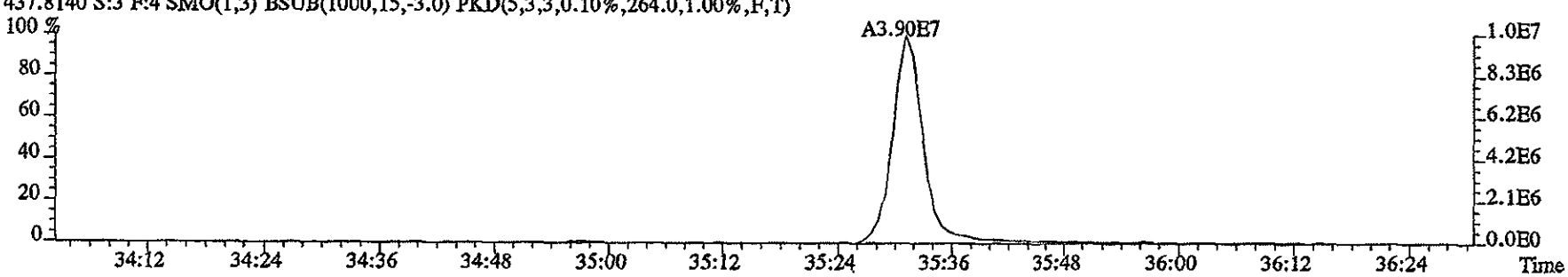
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,540.0,1.00%,F,T)



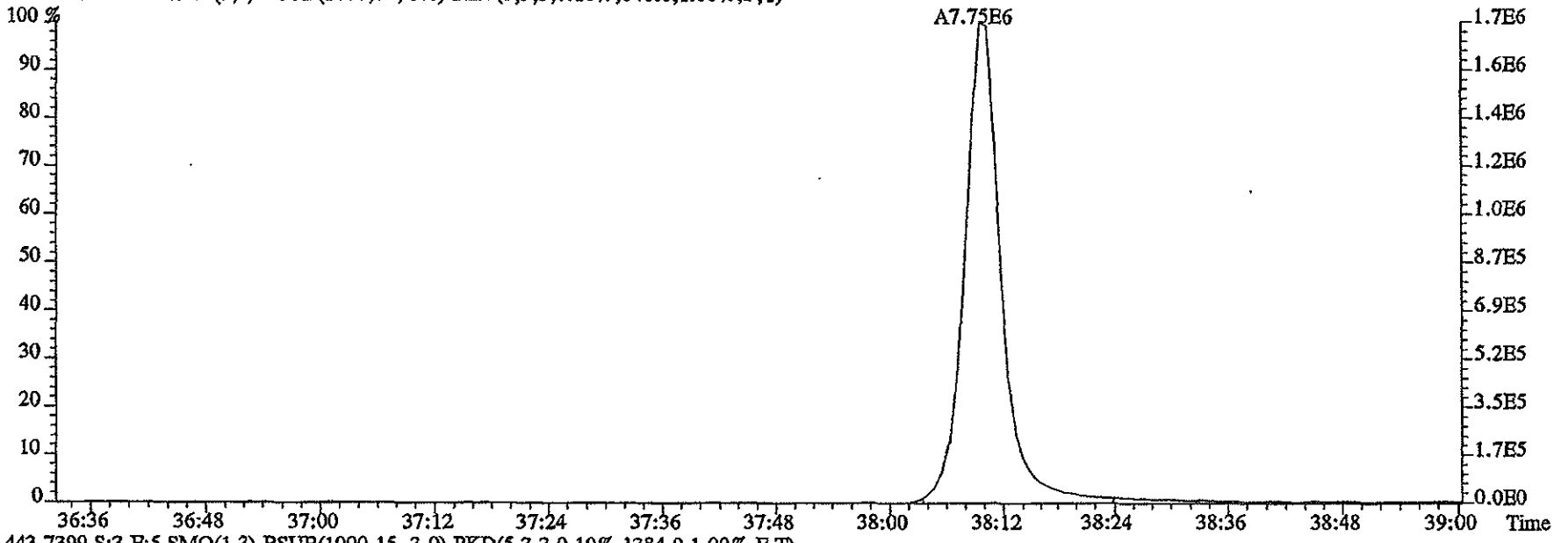
435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)



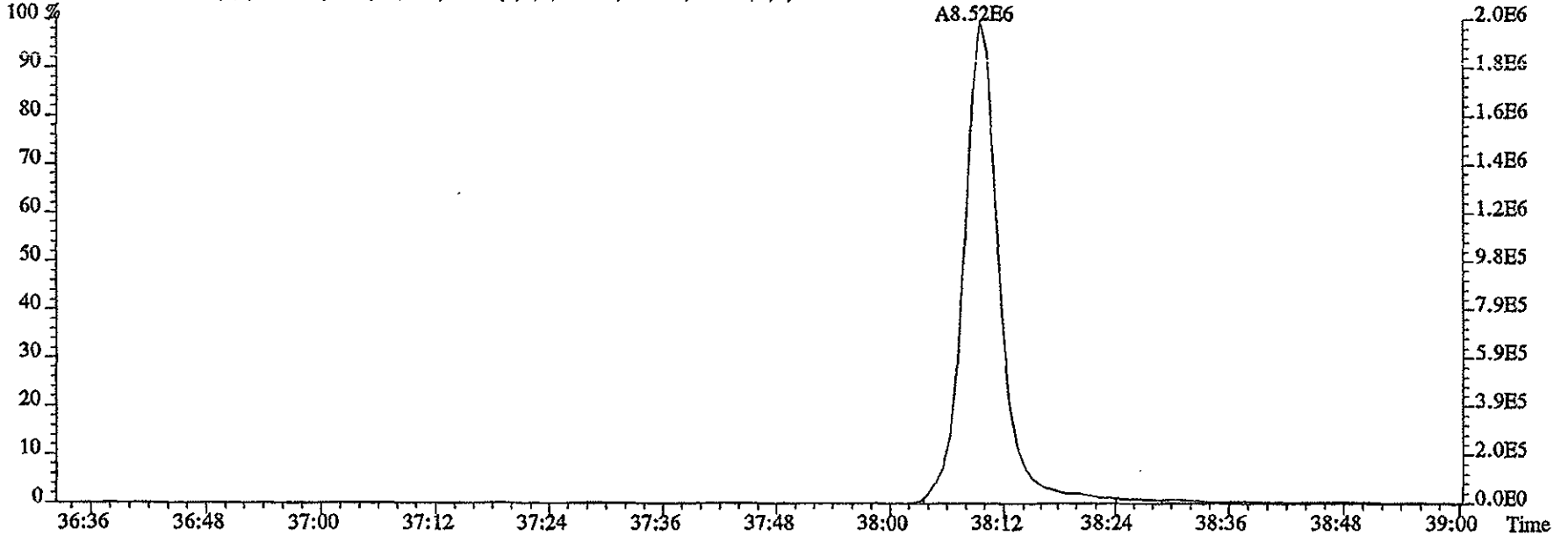
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,264.0,1.00%,F,T)



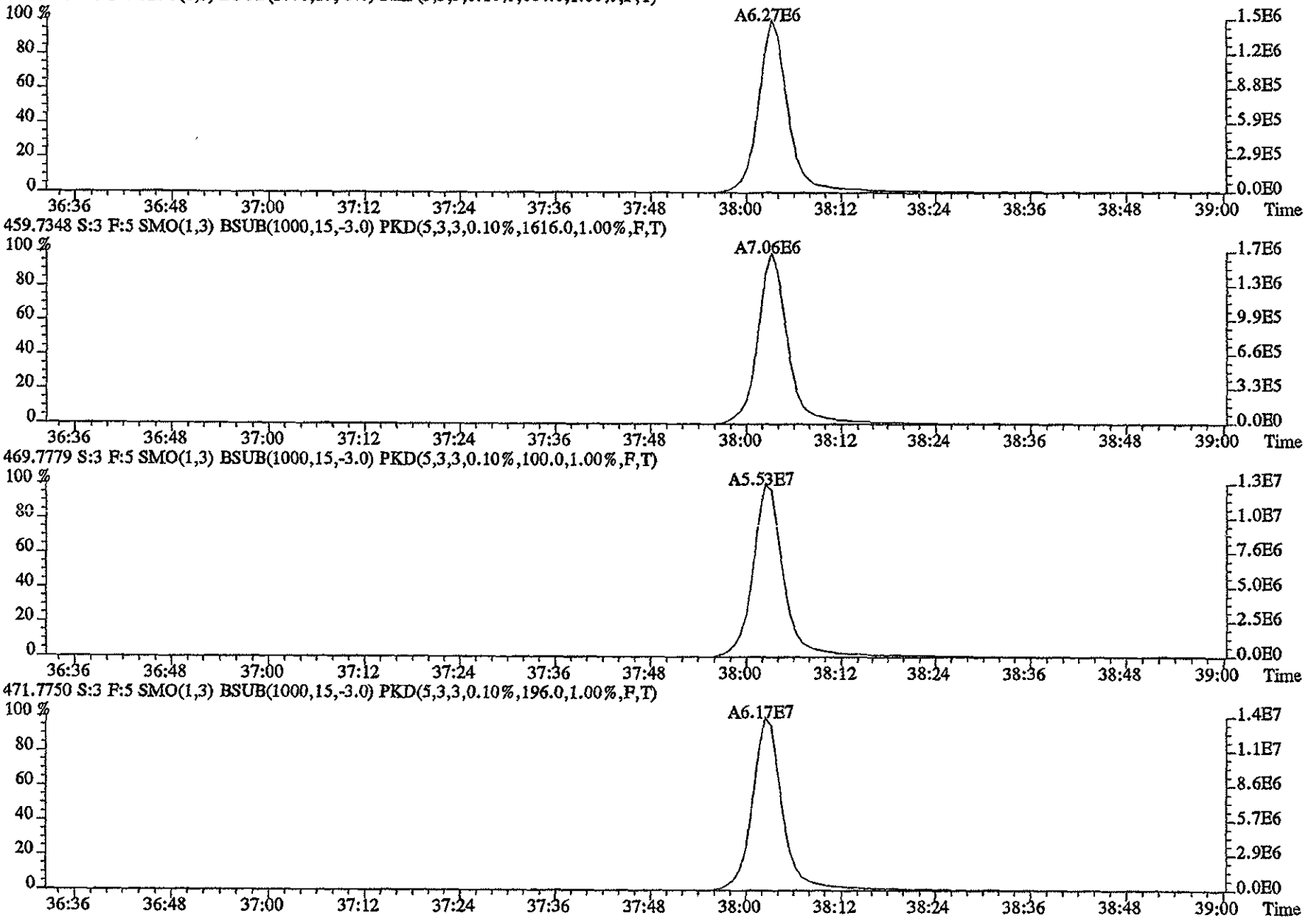
File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



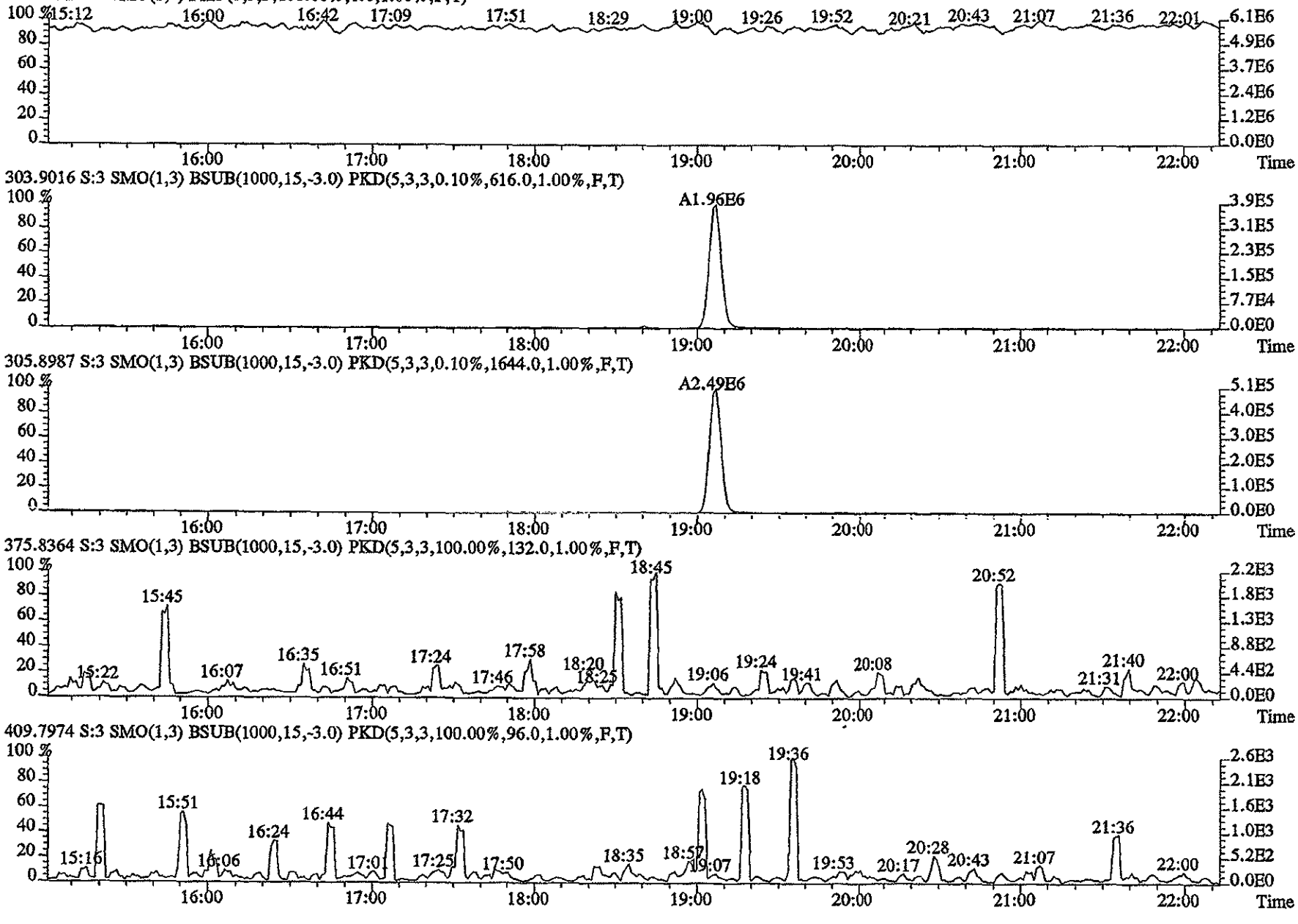
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1384.0,1.00%,F,T)



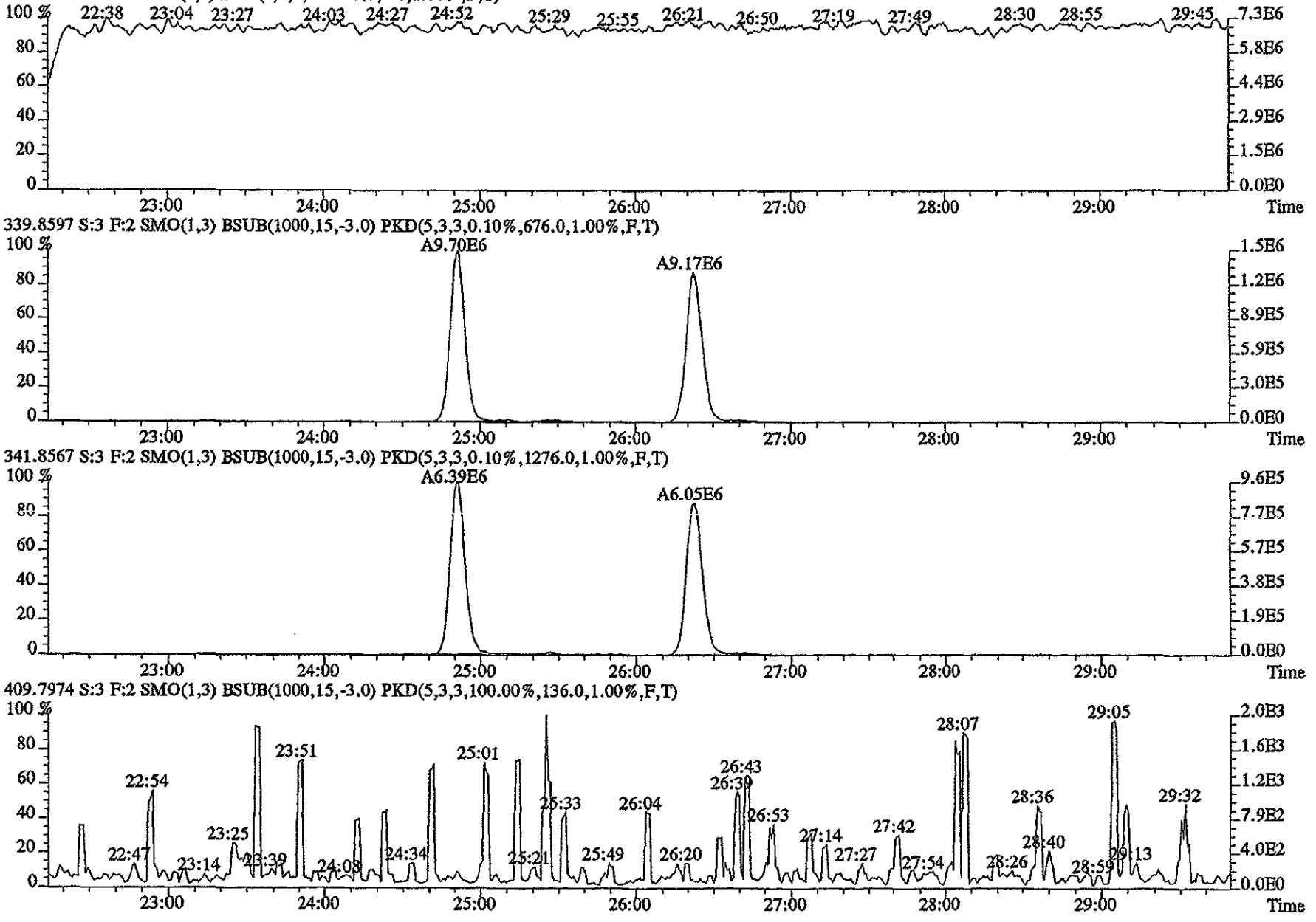
File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



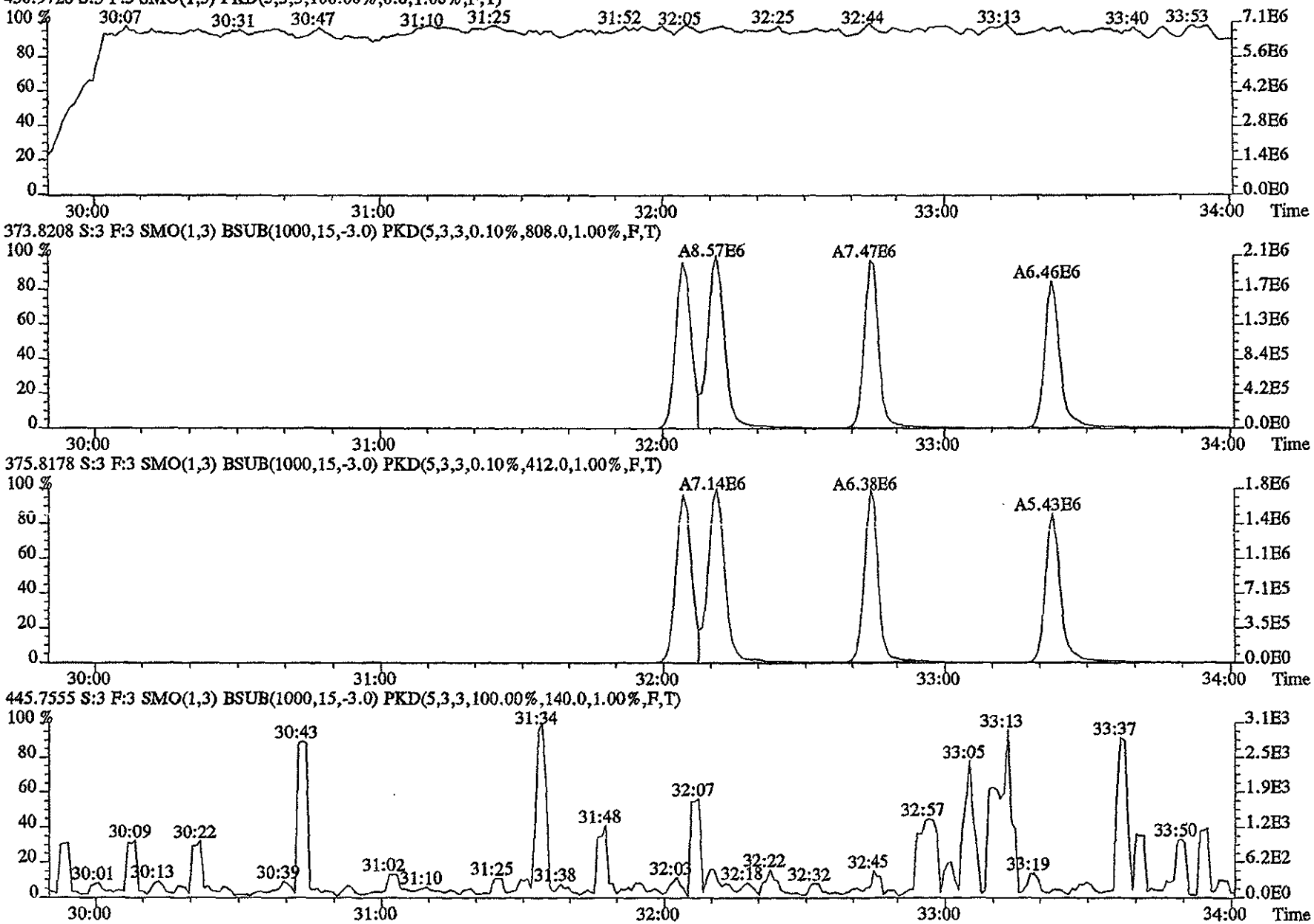
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

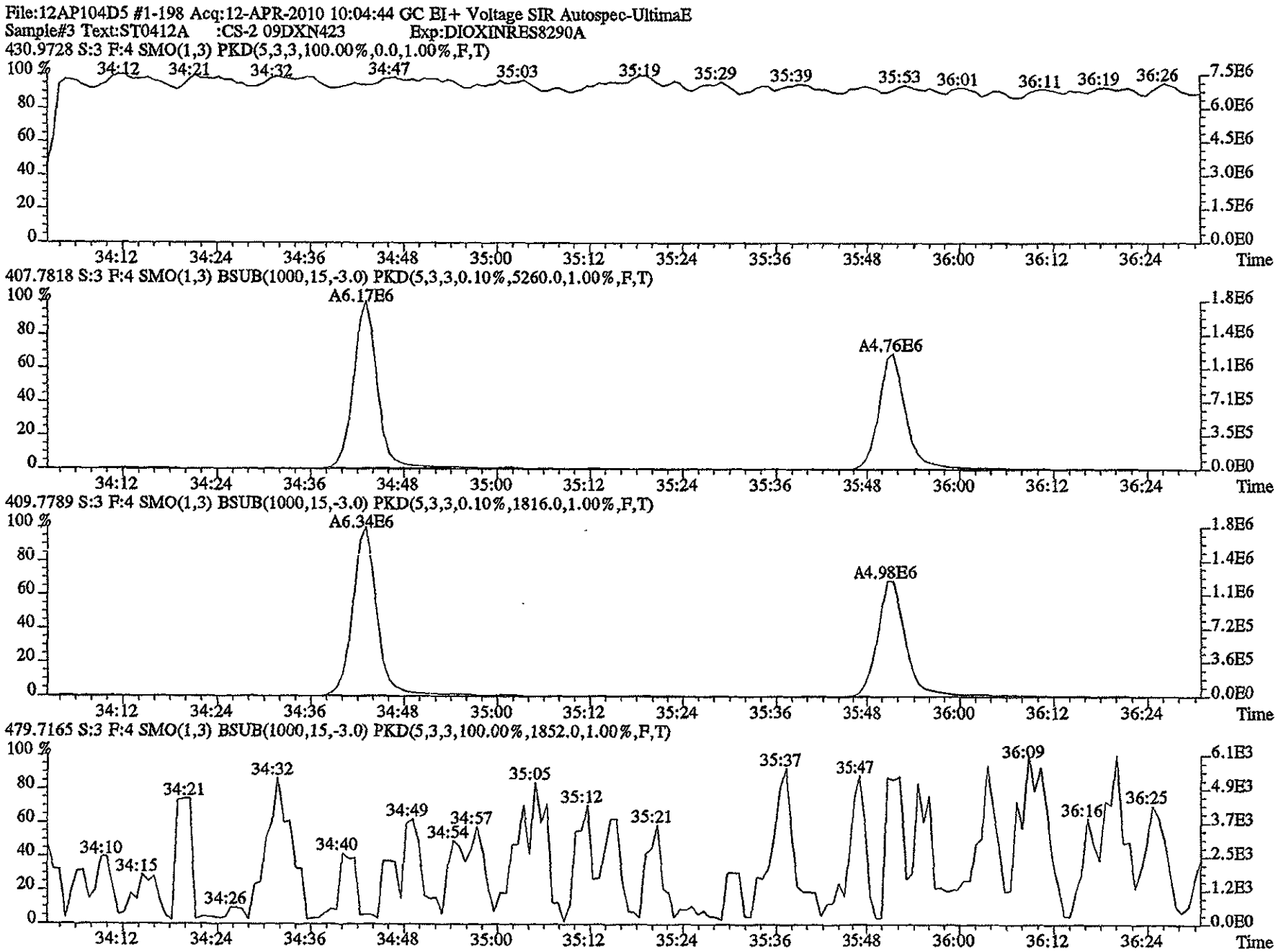


File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

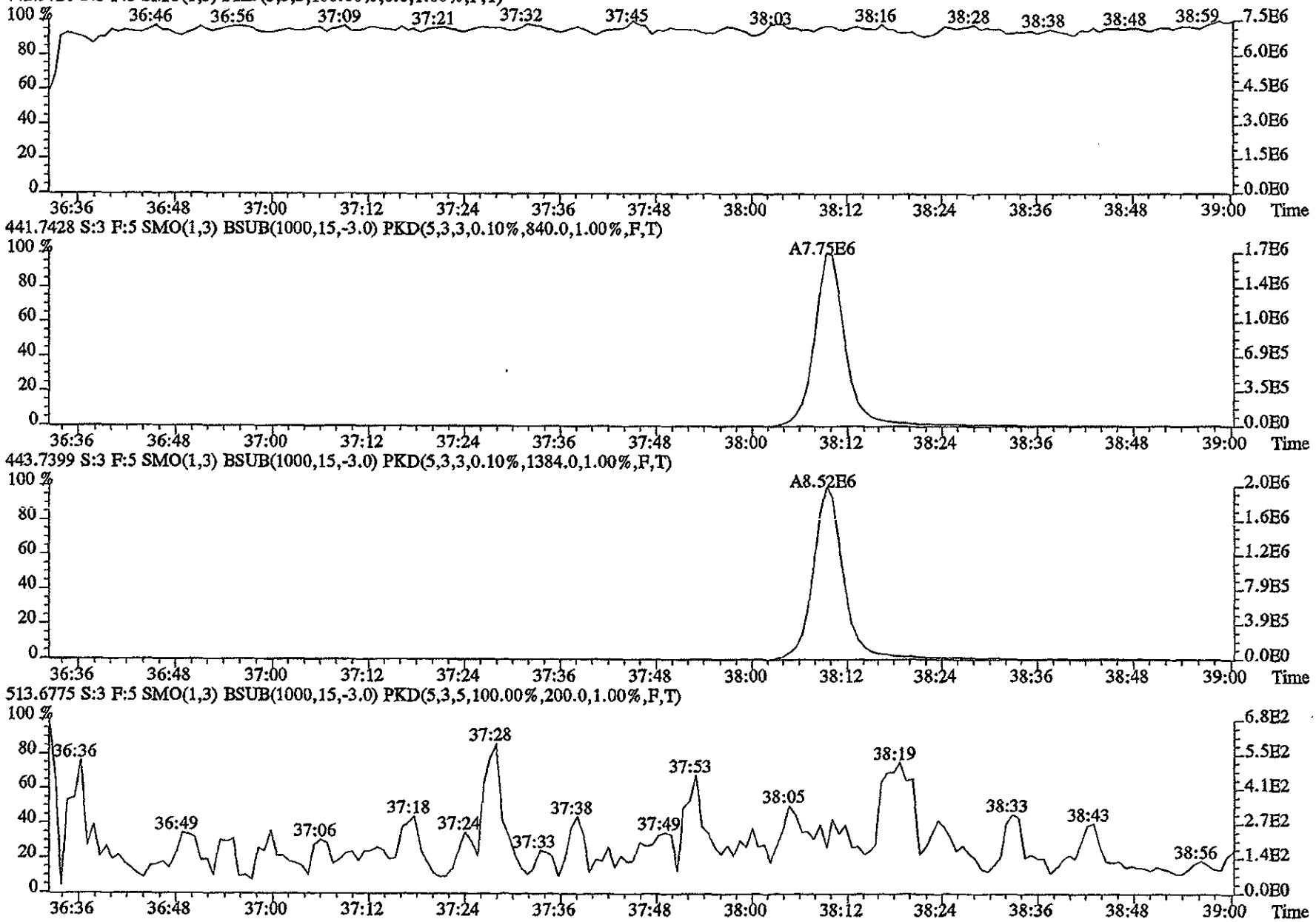


File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



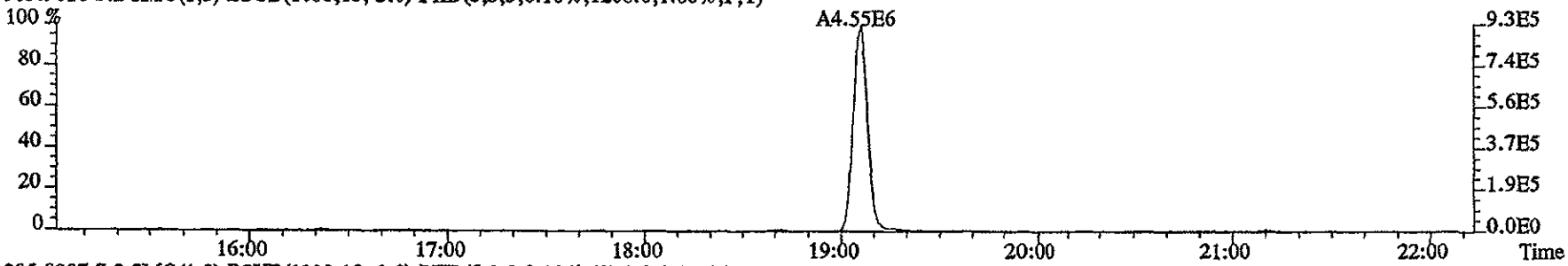


File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

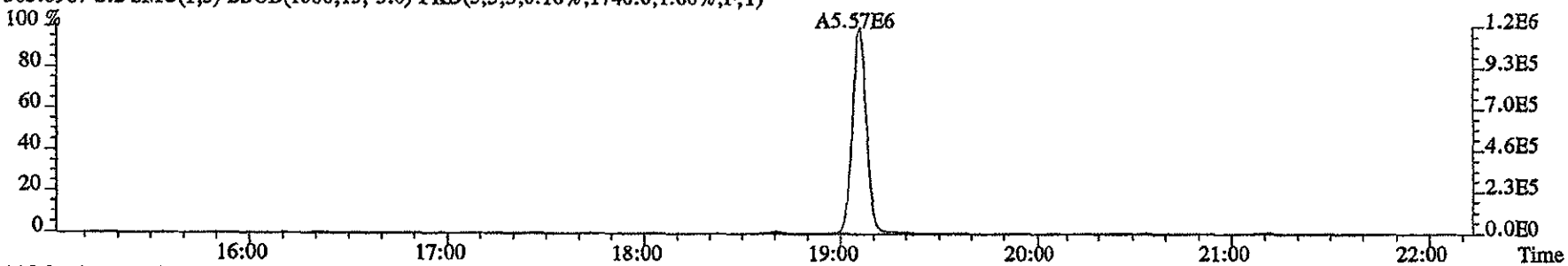


File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

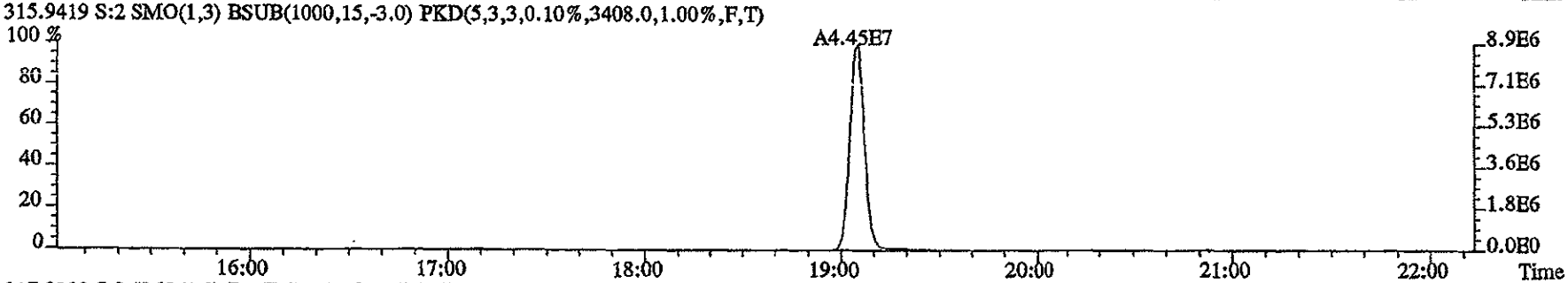
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1208.0,1.00%,F,T)



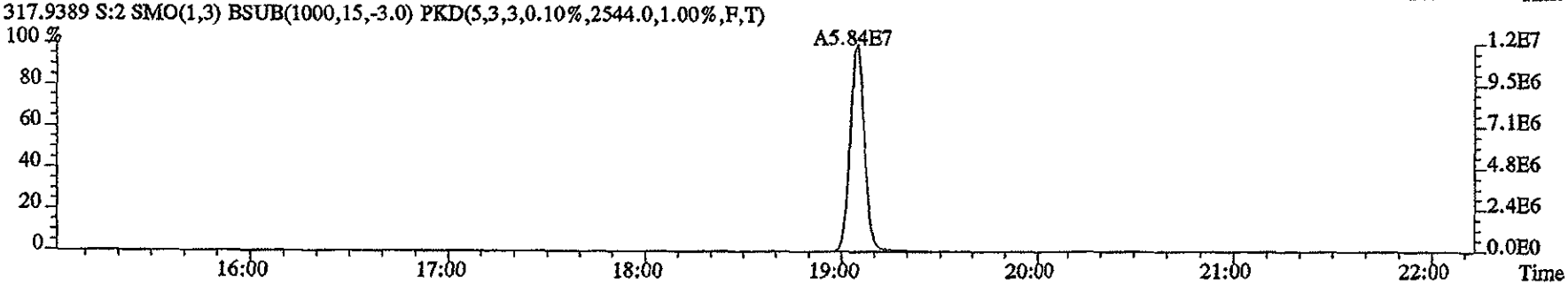
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740.0,1.00%,F,T)



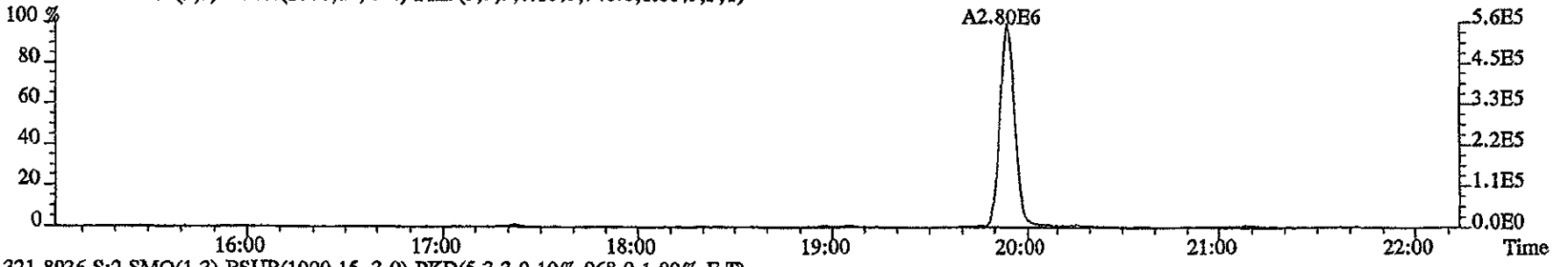
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3408.0,1.00%,F,T)

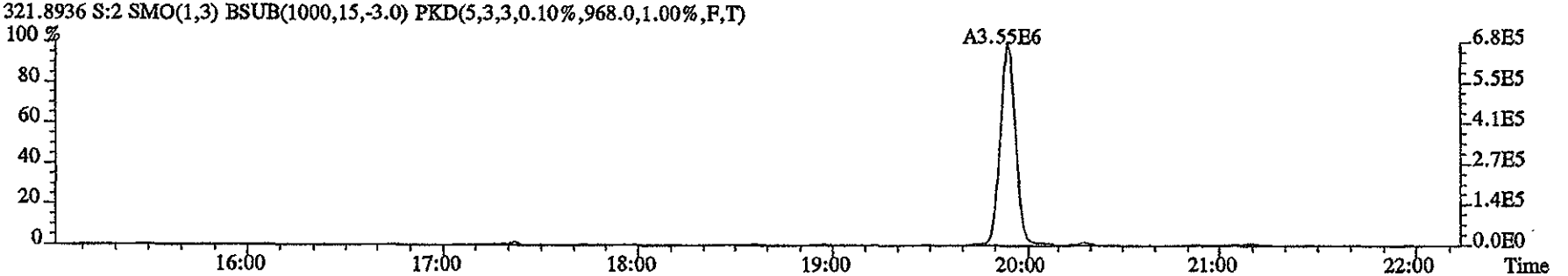


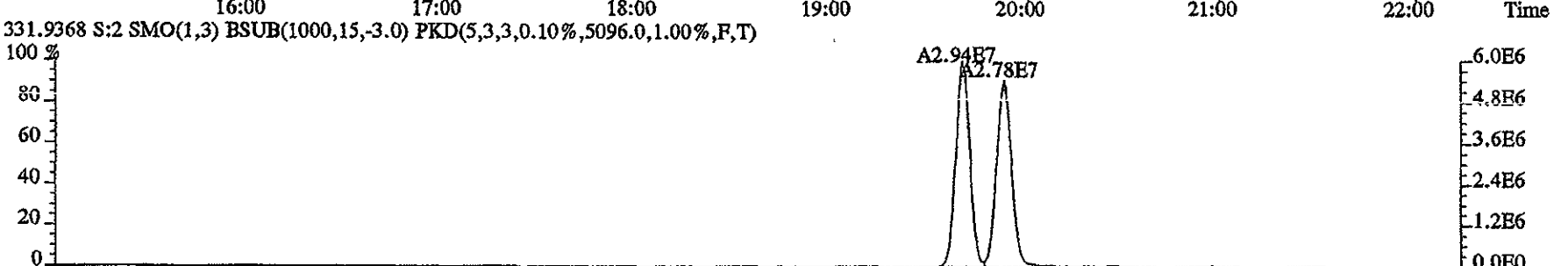
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2544.0,1.00%,F,T)

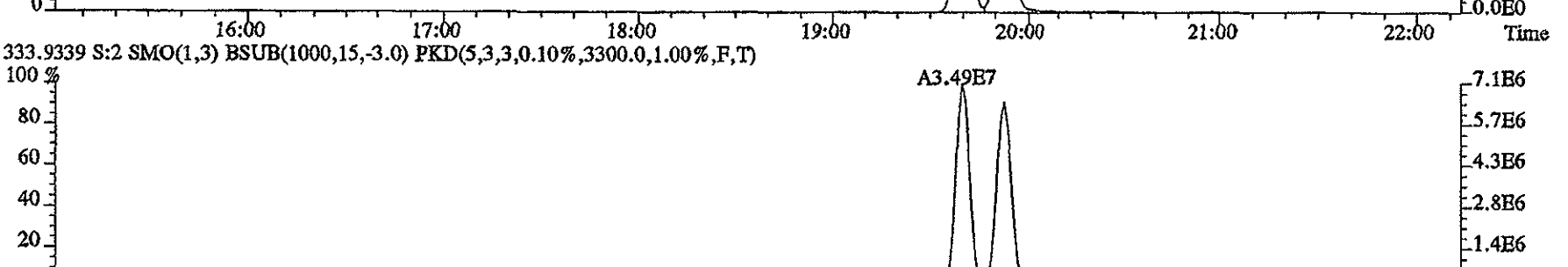


File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

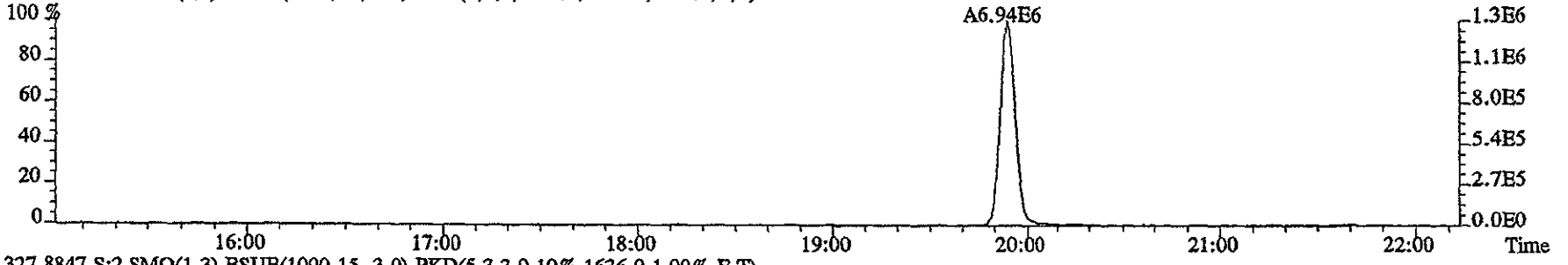




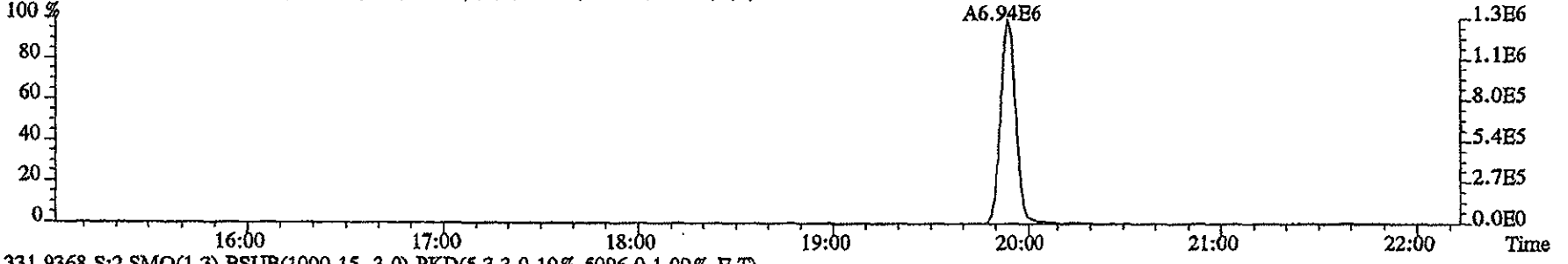




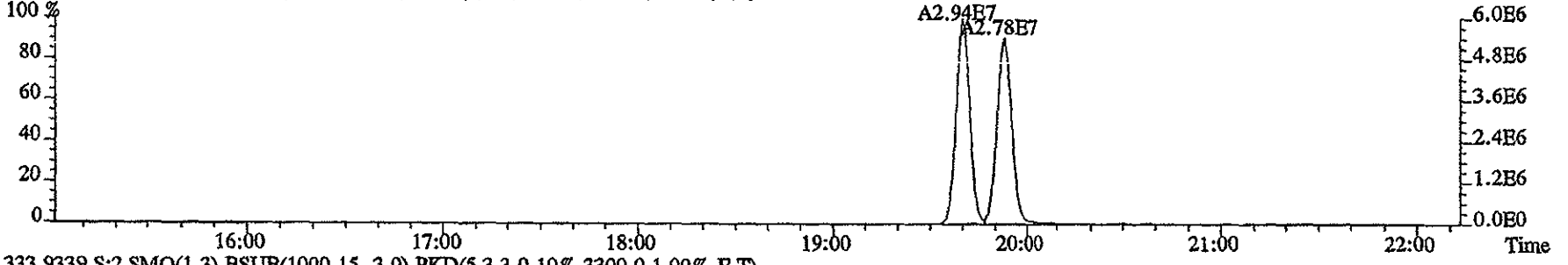
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)



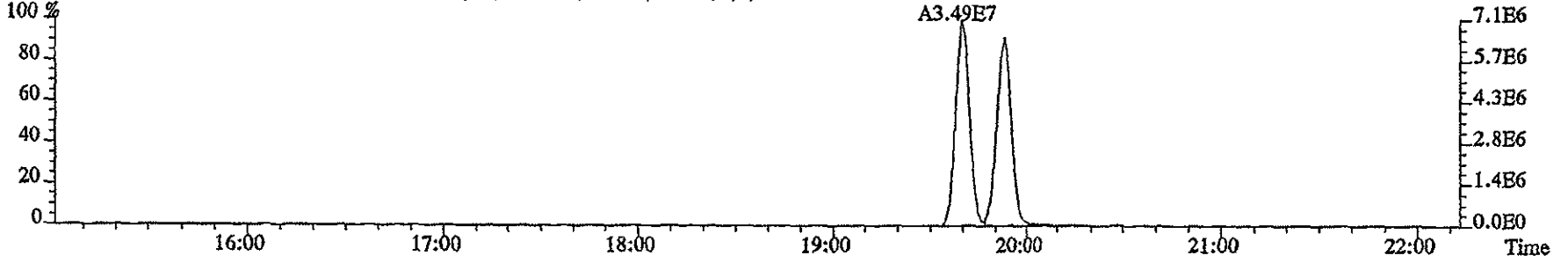
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5096.0,1.00%,F,T)

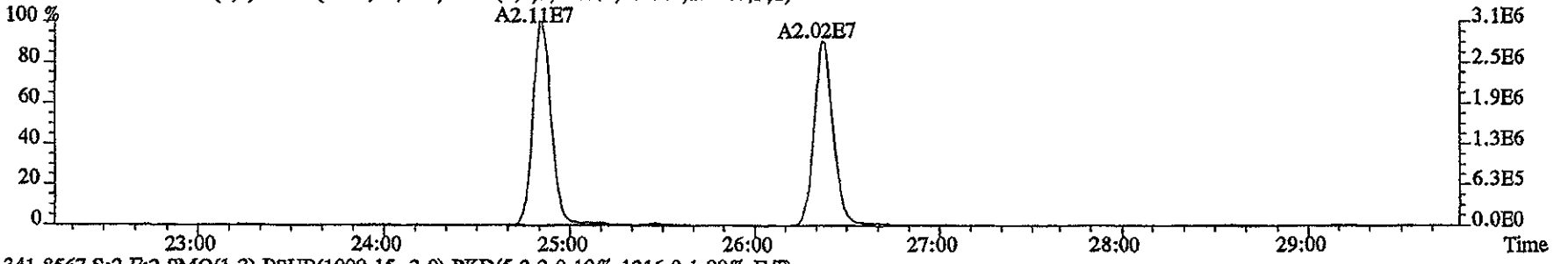


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)

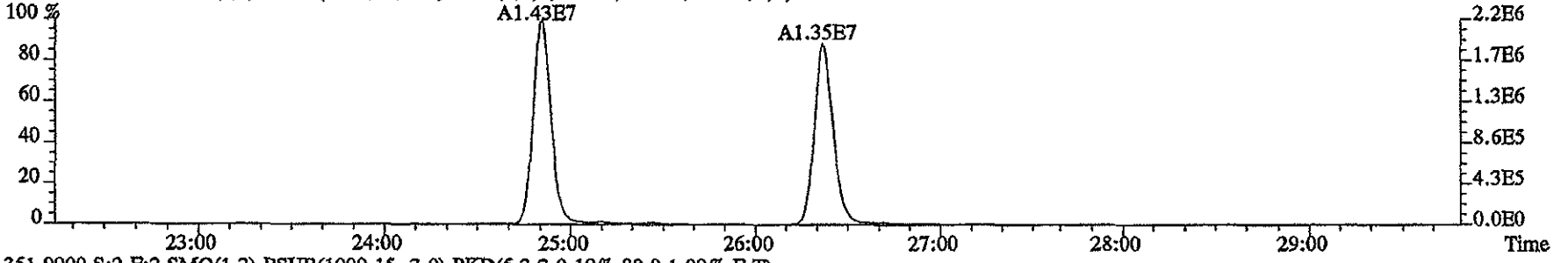


File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

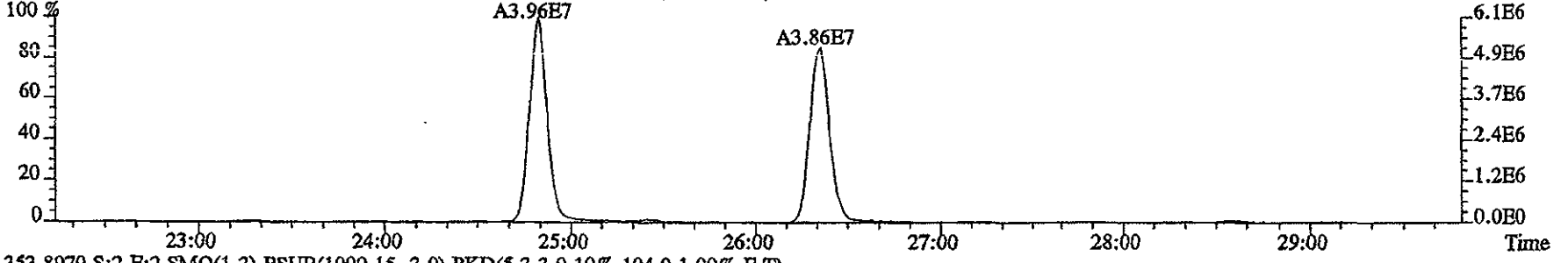
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1572.0,1.00%,F,T)



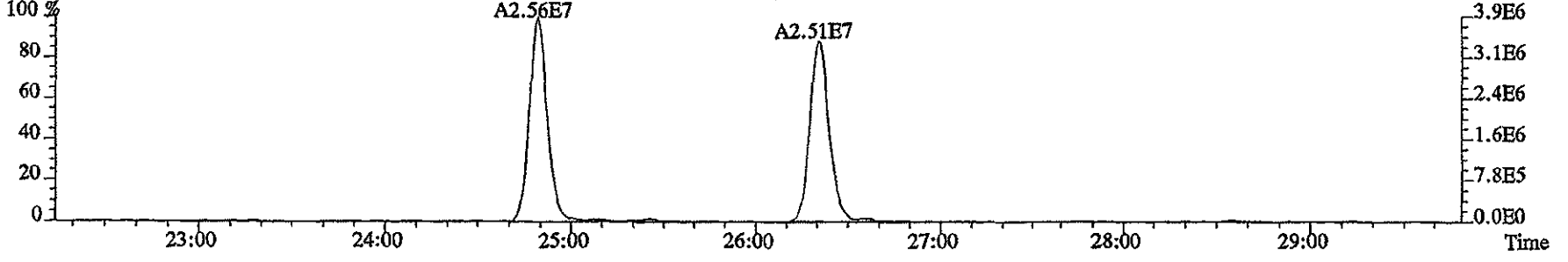
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



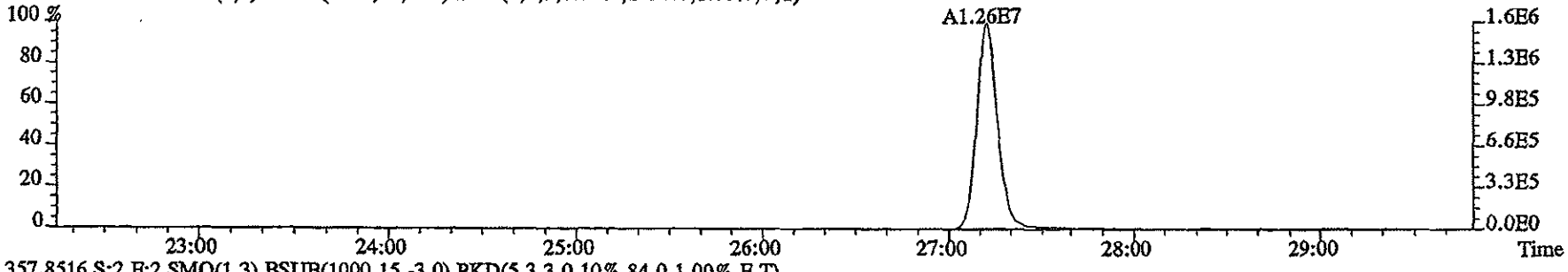
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



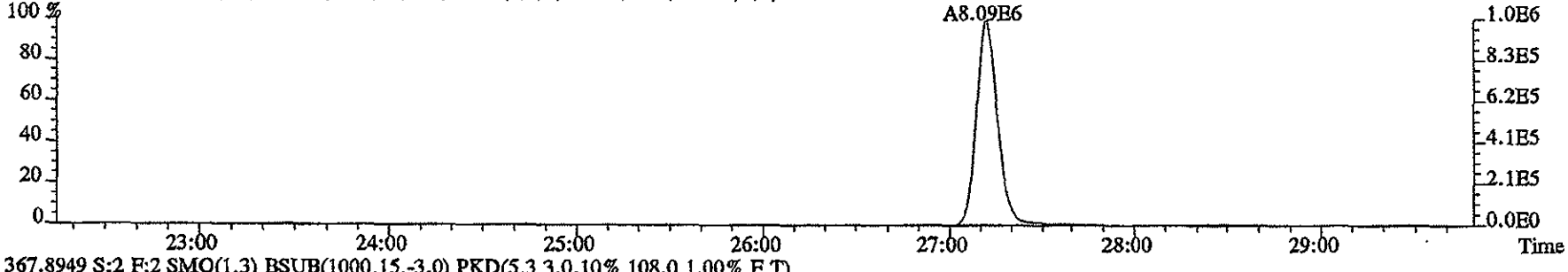
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)



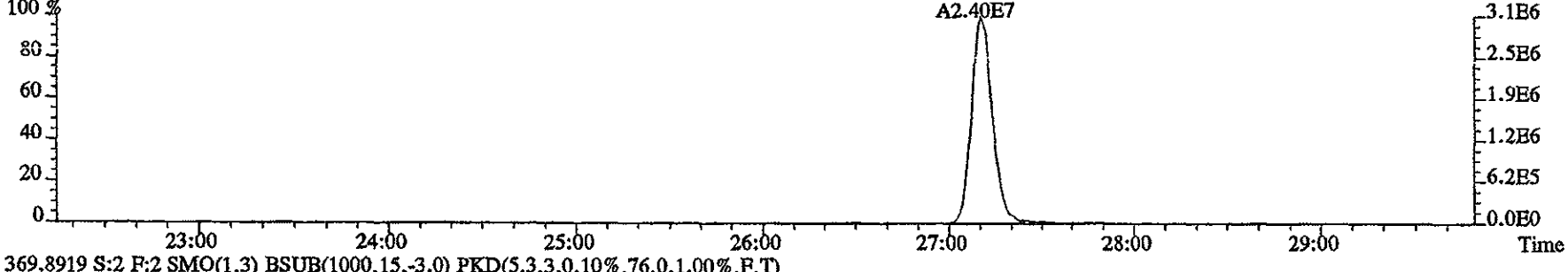
File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1036.0,1.00%,F,T)



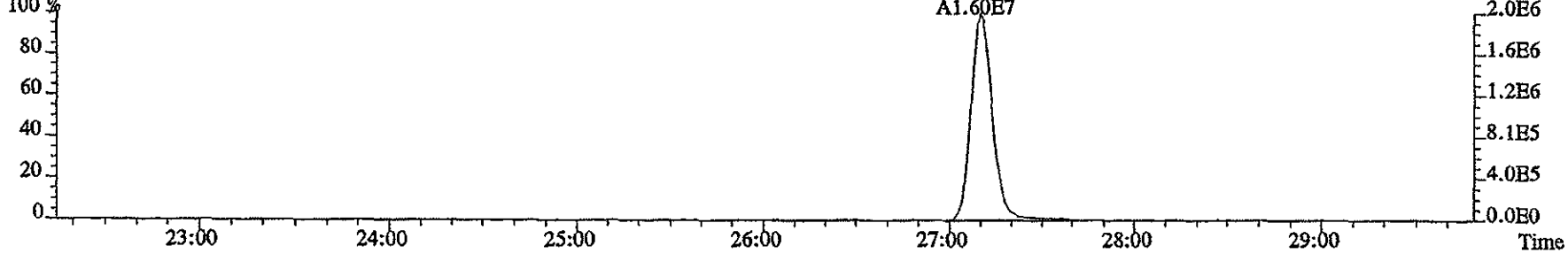
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



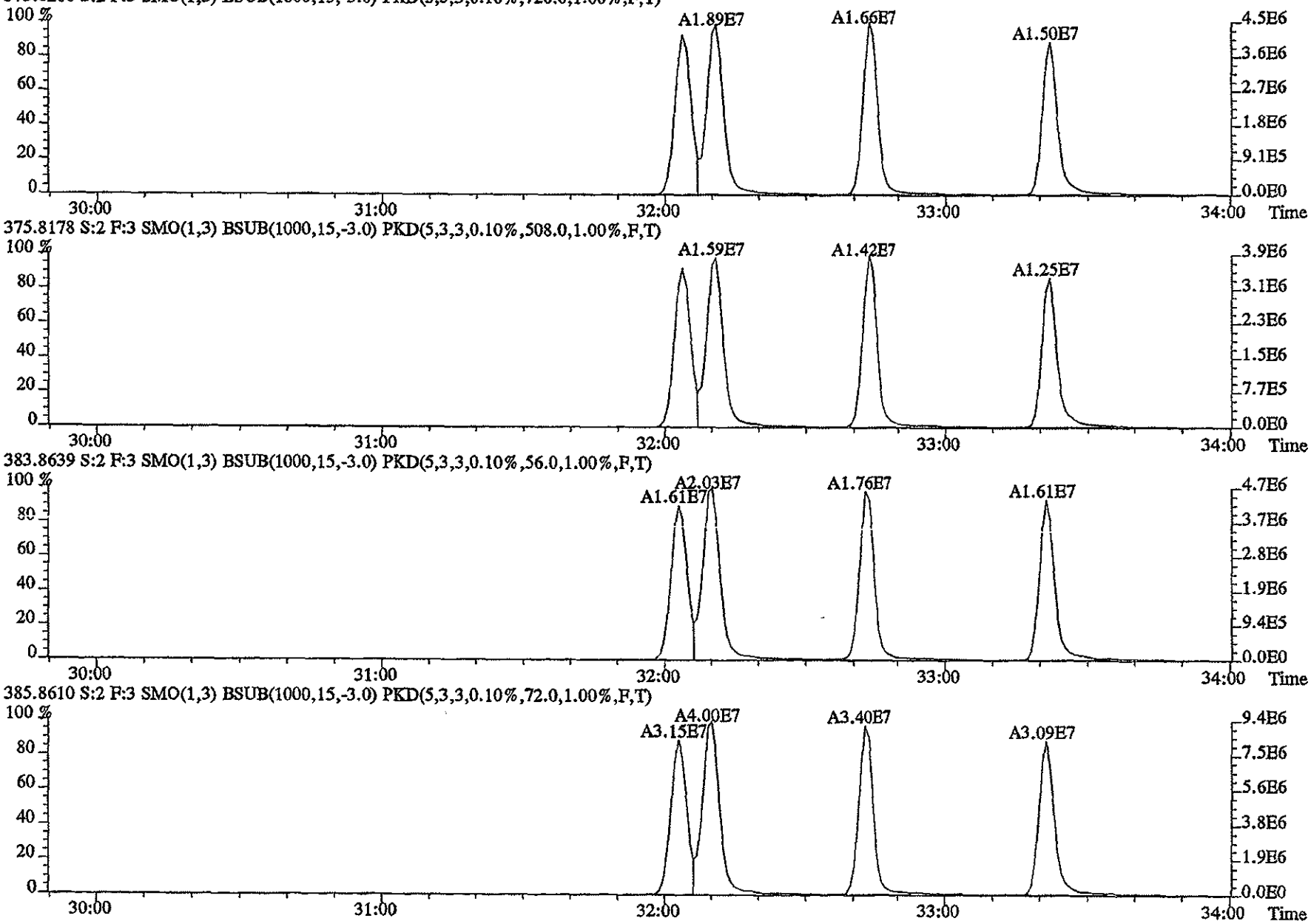
367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)



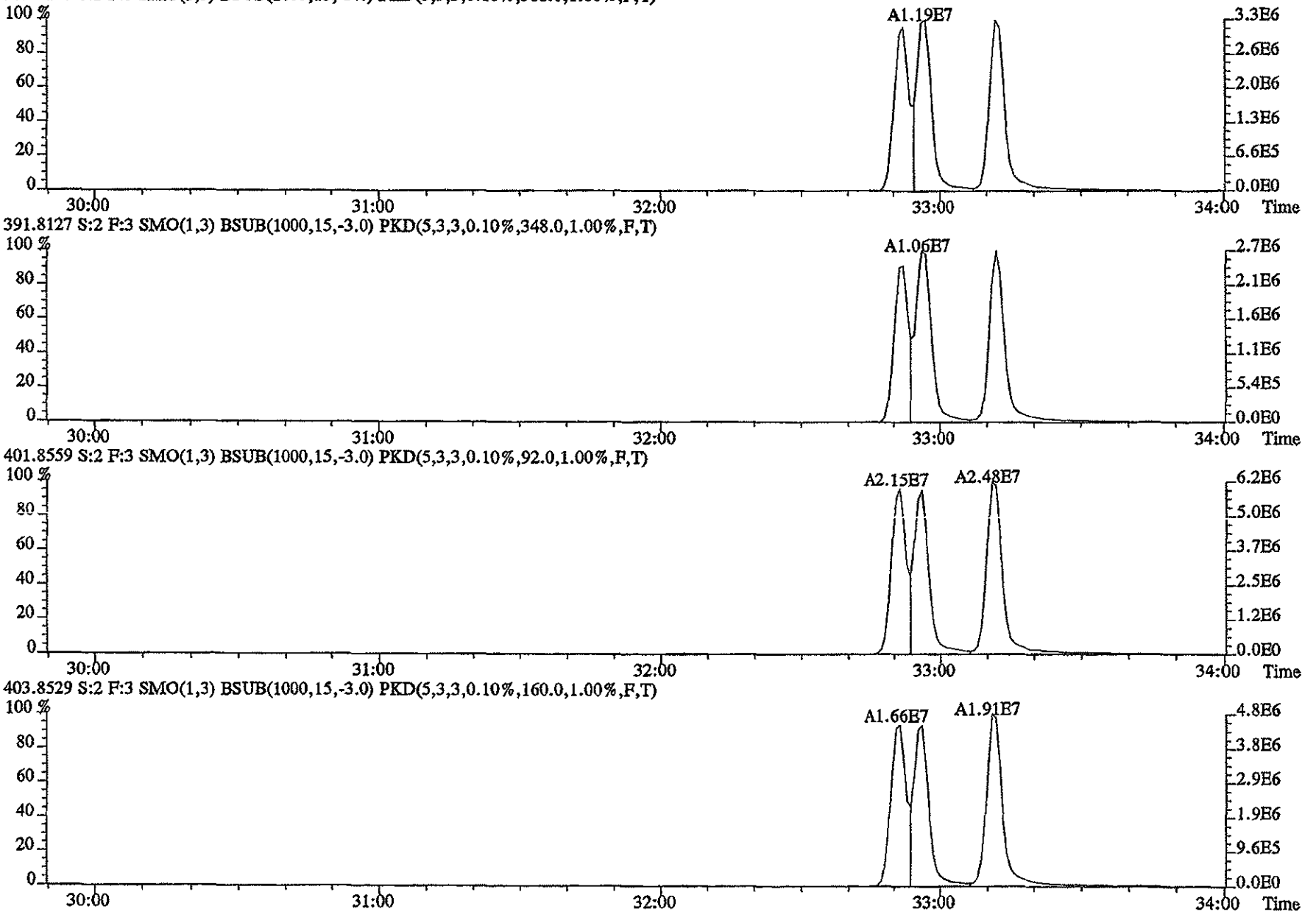
369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



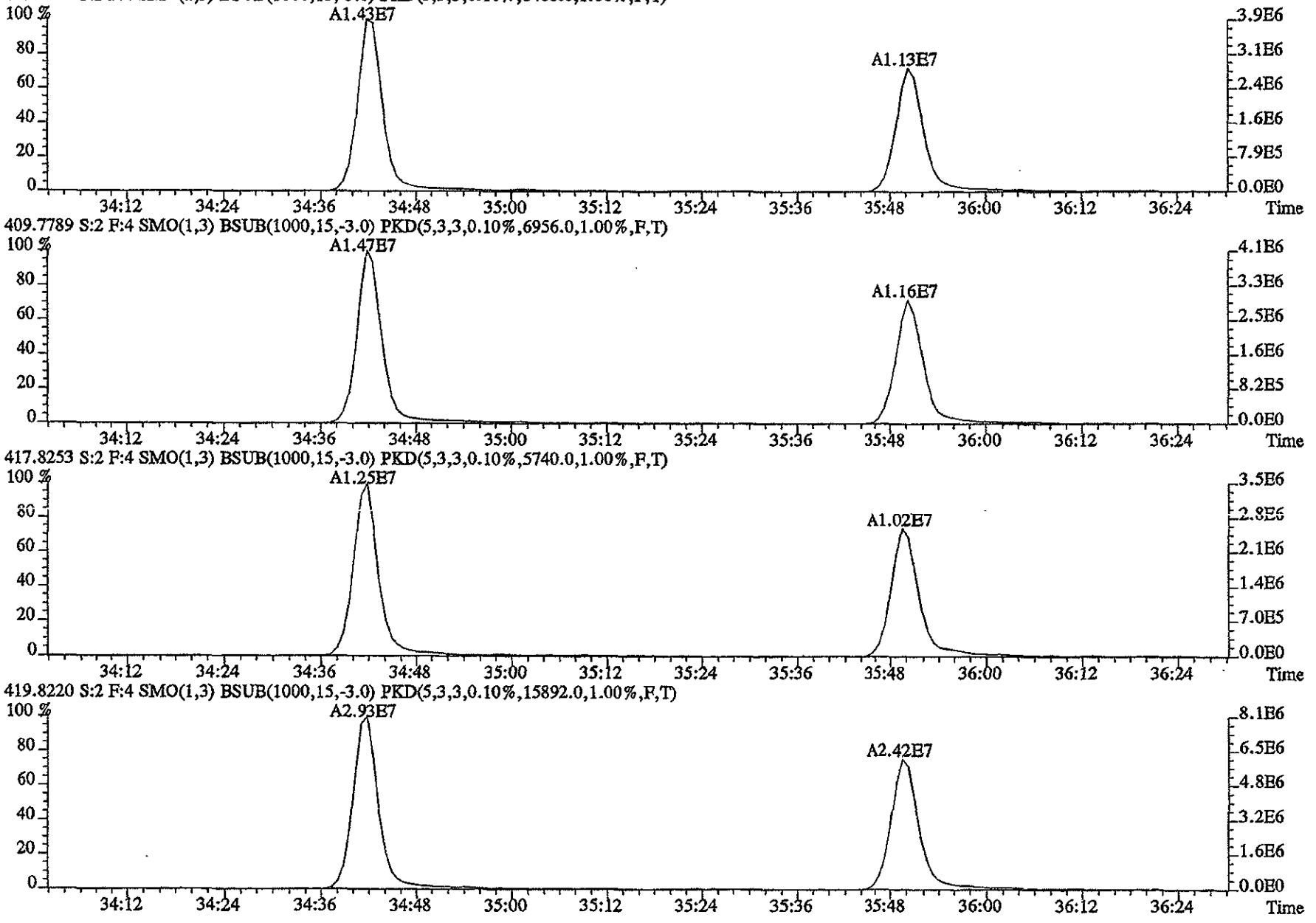
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



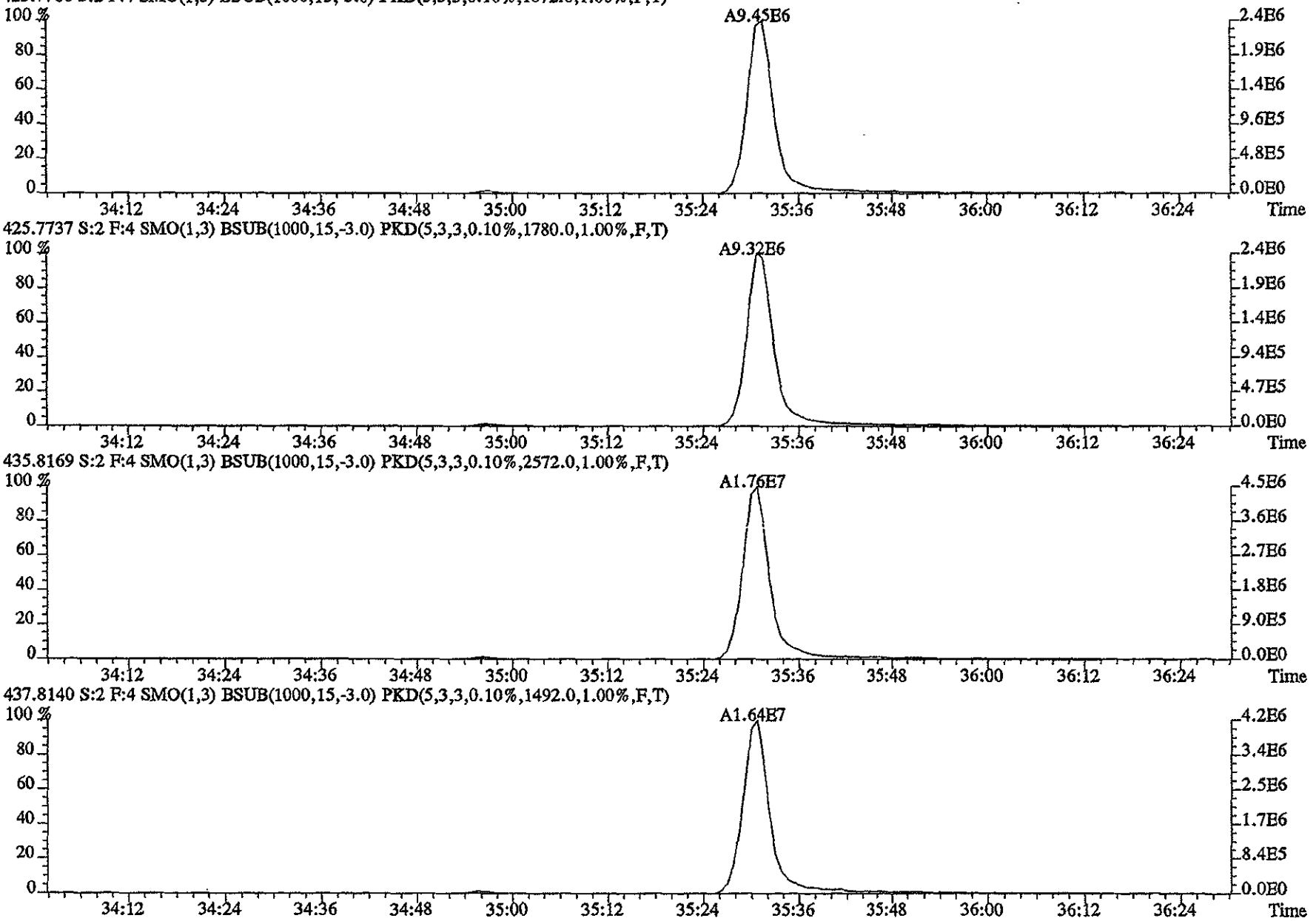
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



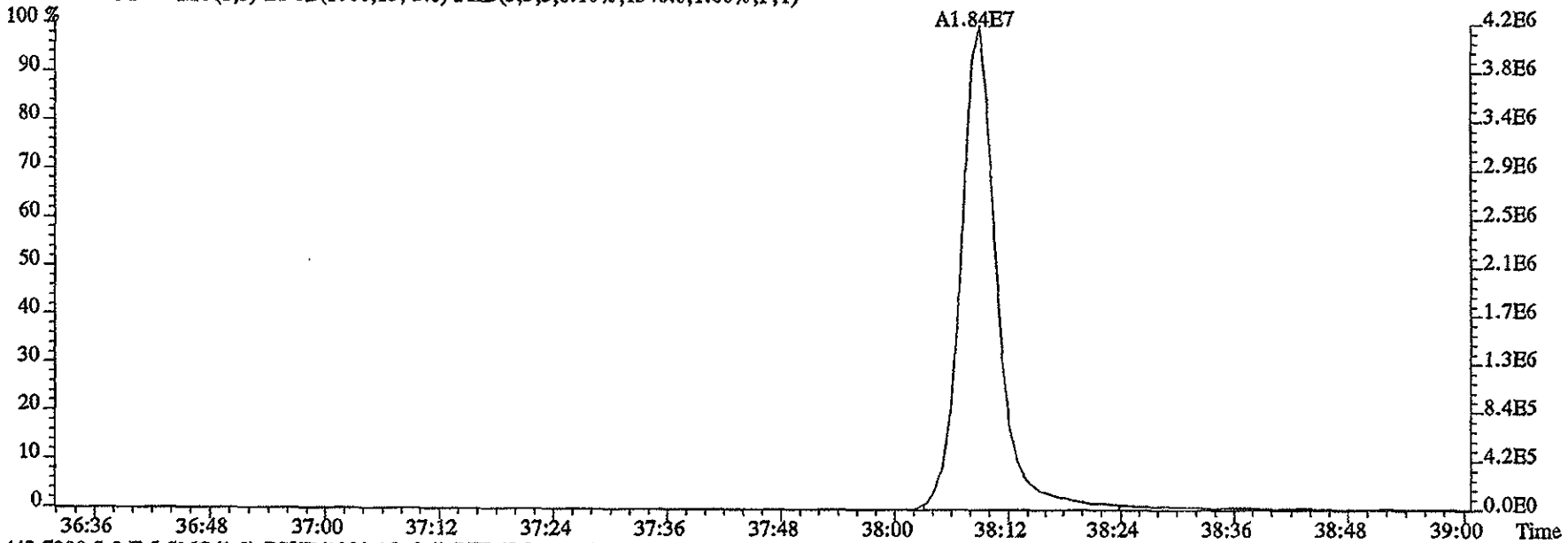
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



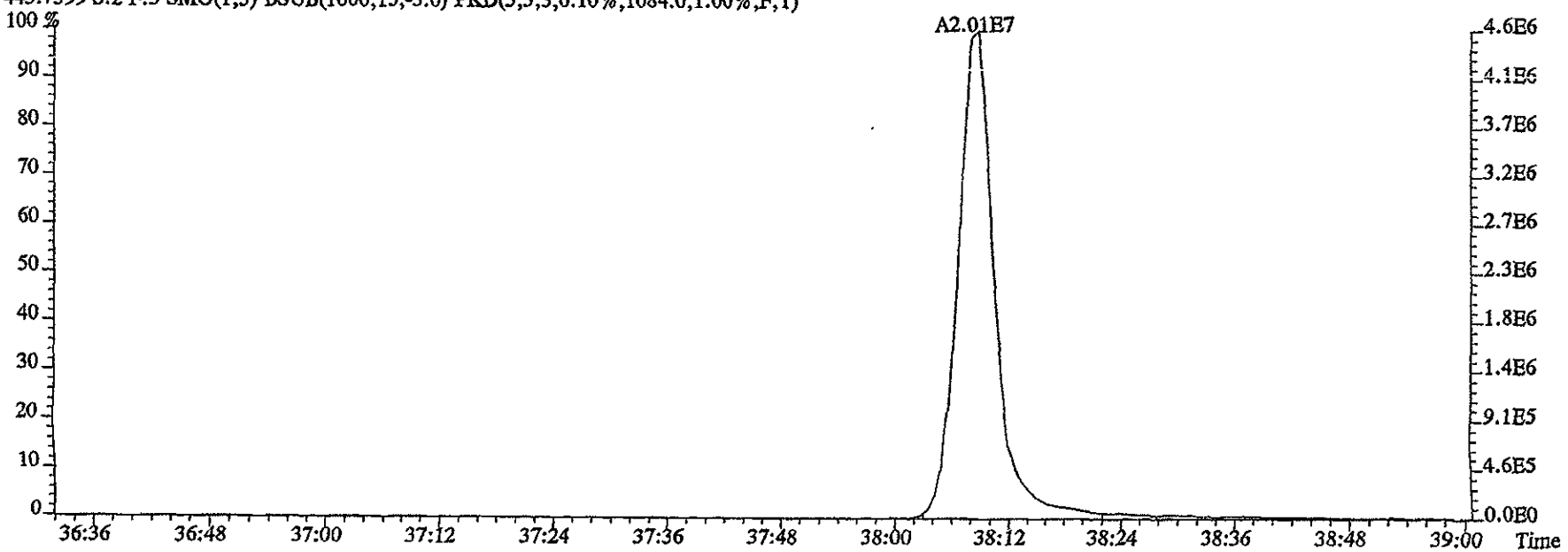
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1340.0,1.00%,F,T)

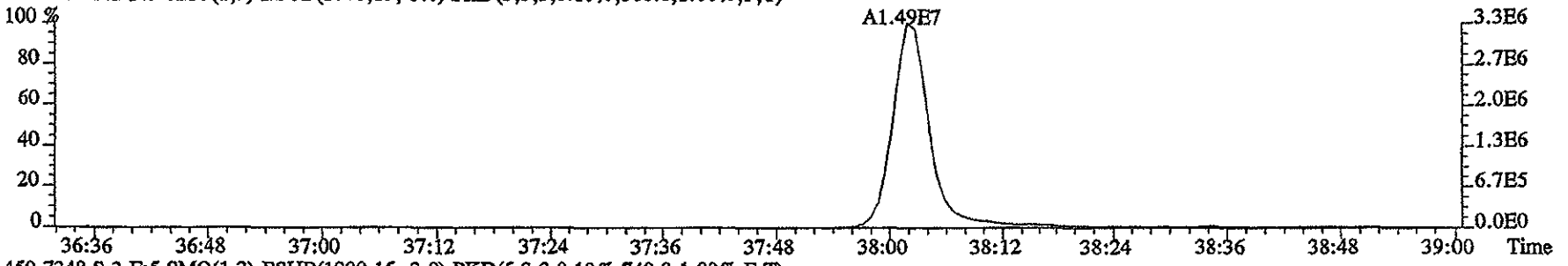


443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)

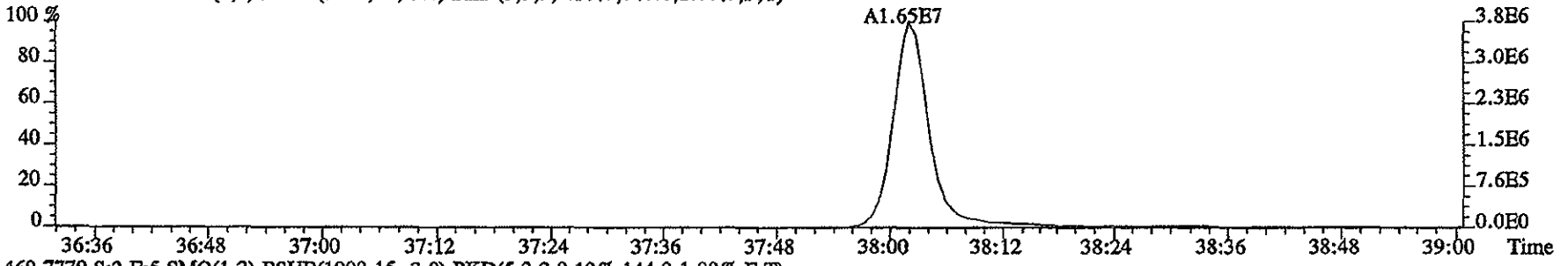


File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

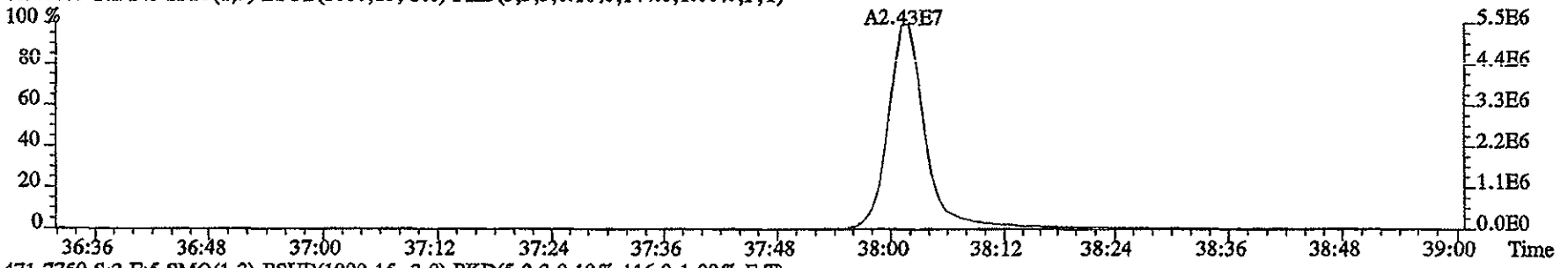
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,568.0,1.00%,F,T)



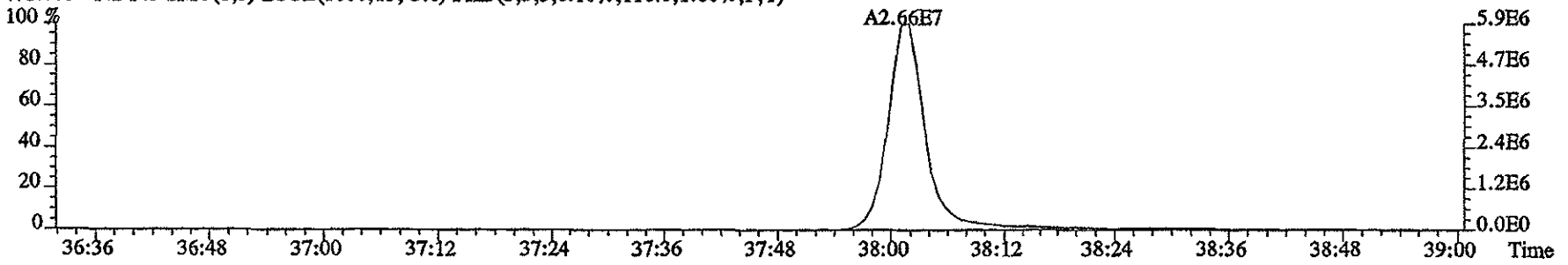
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,740.0,1.00%,F,T)



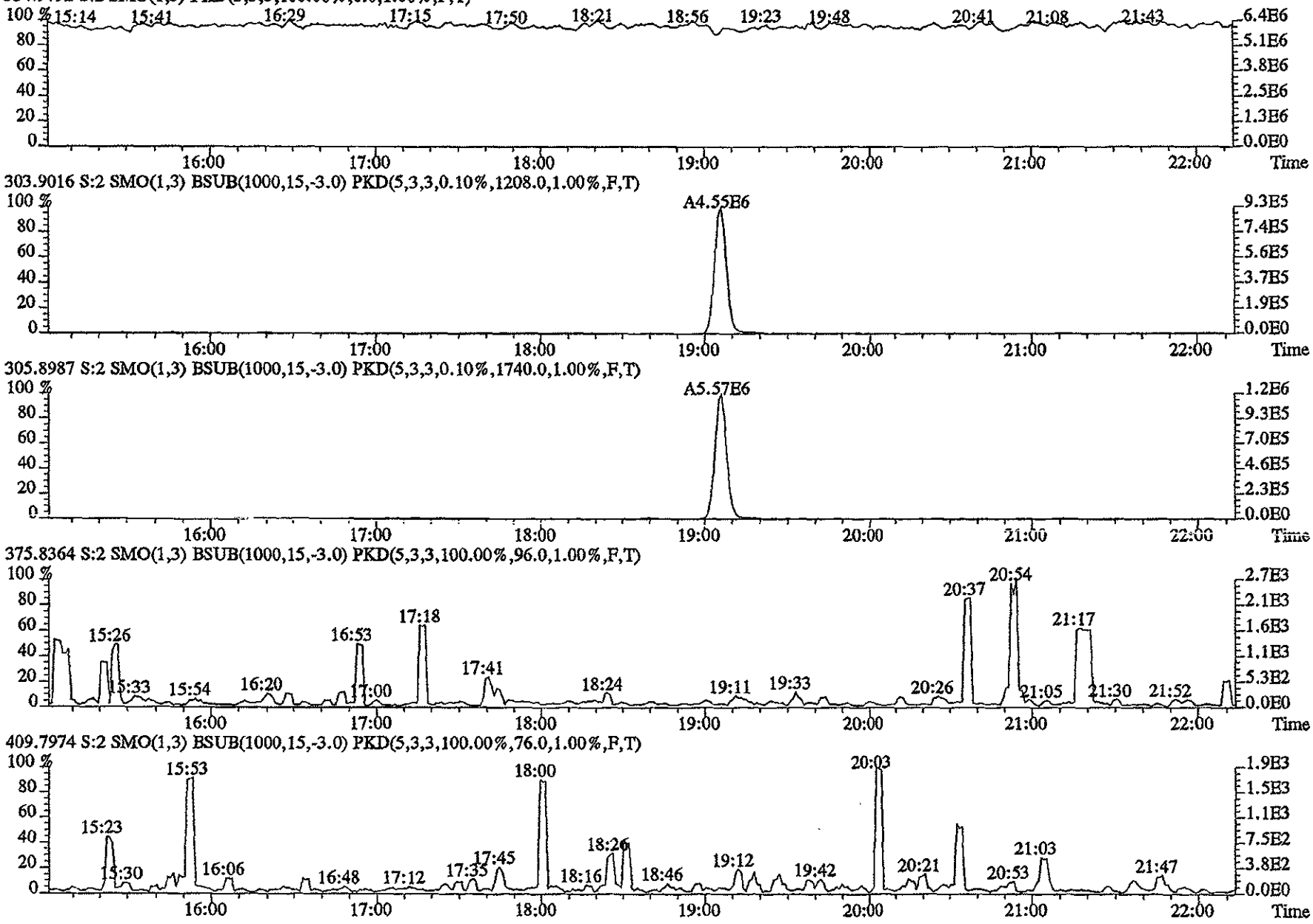
469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



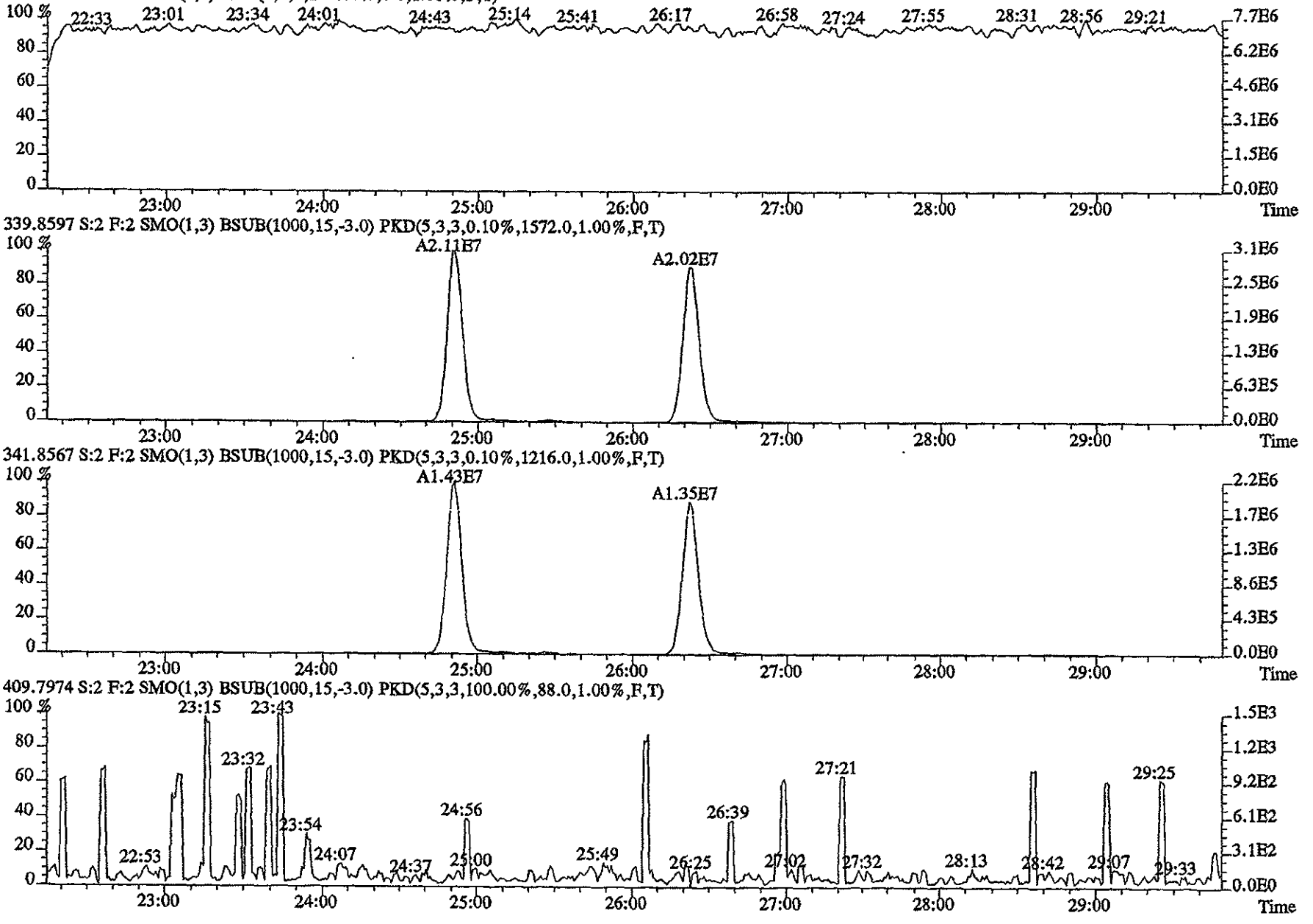
471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



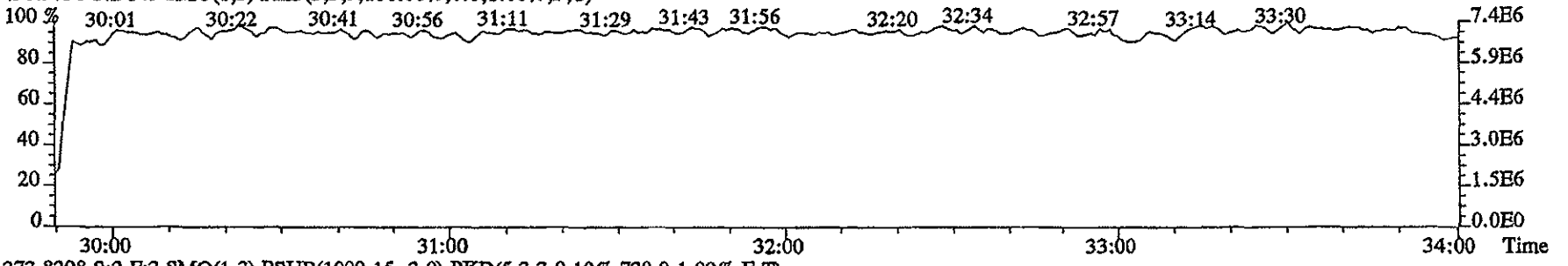
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

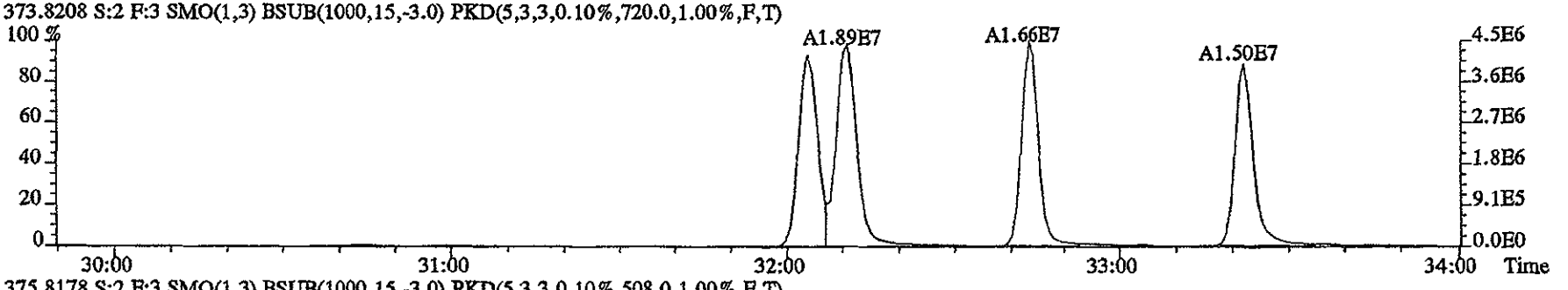


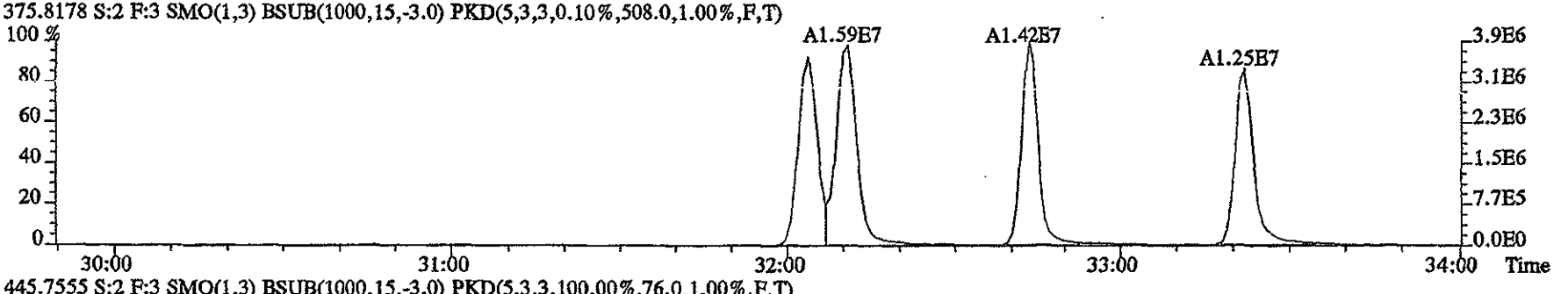
File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

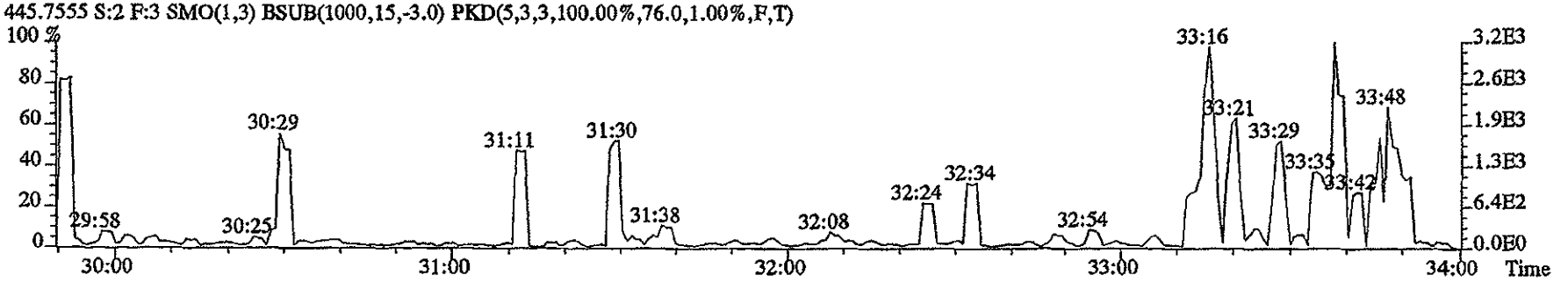


File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

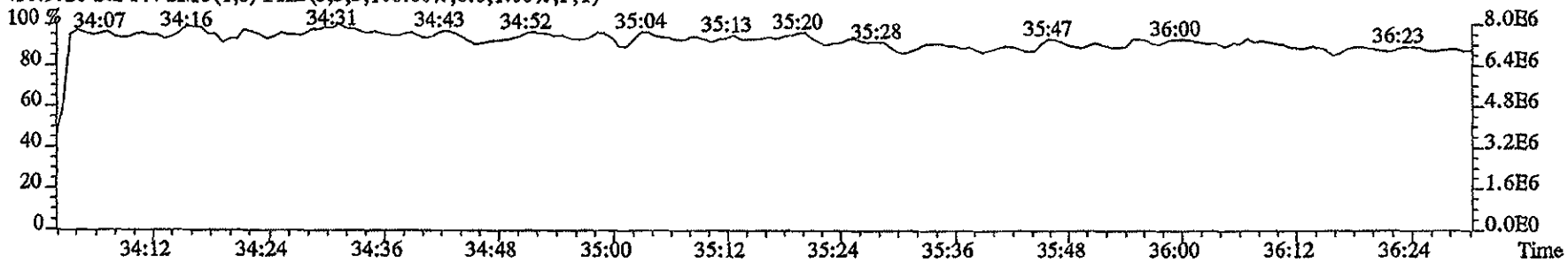


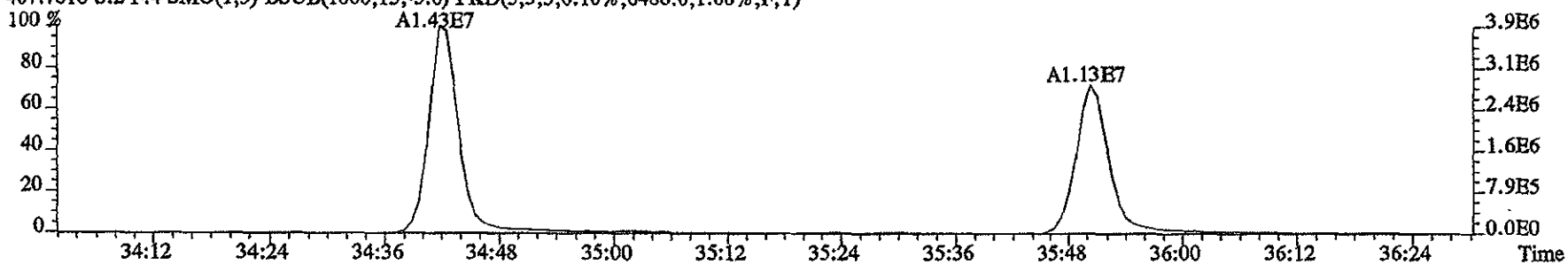


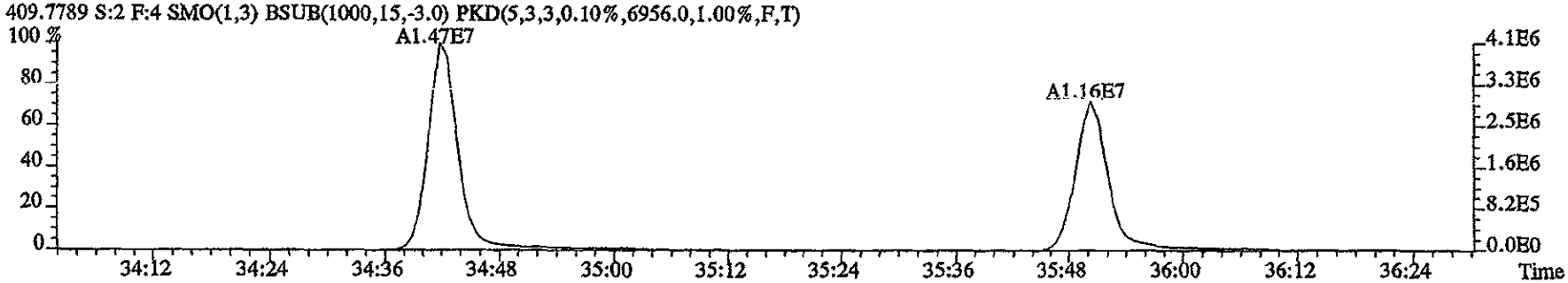


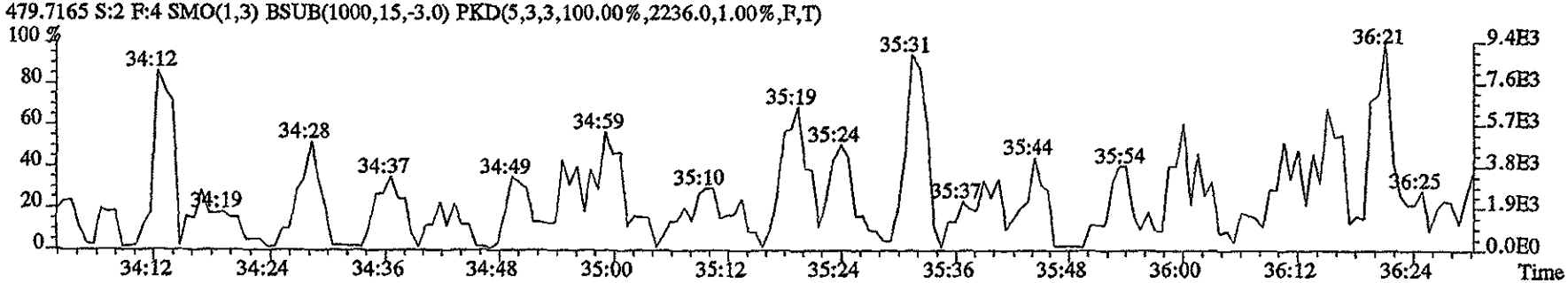


File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

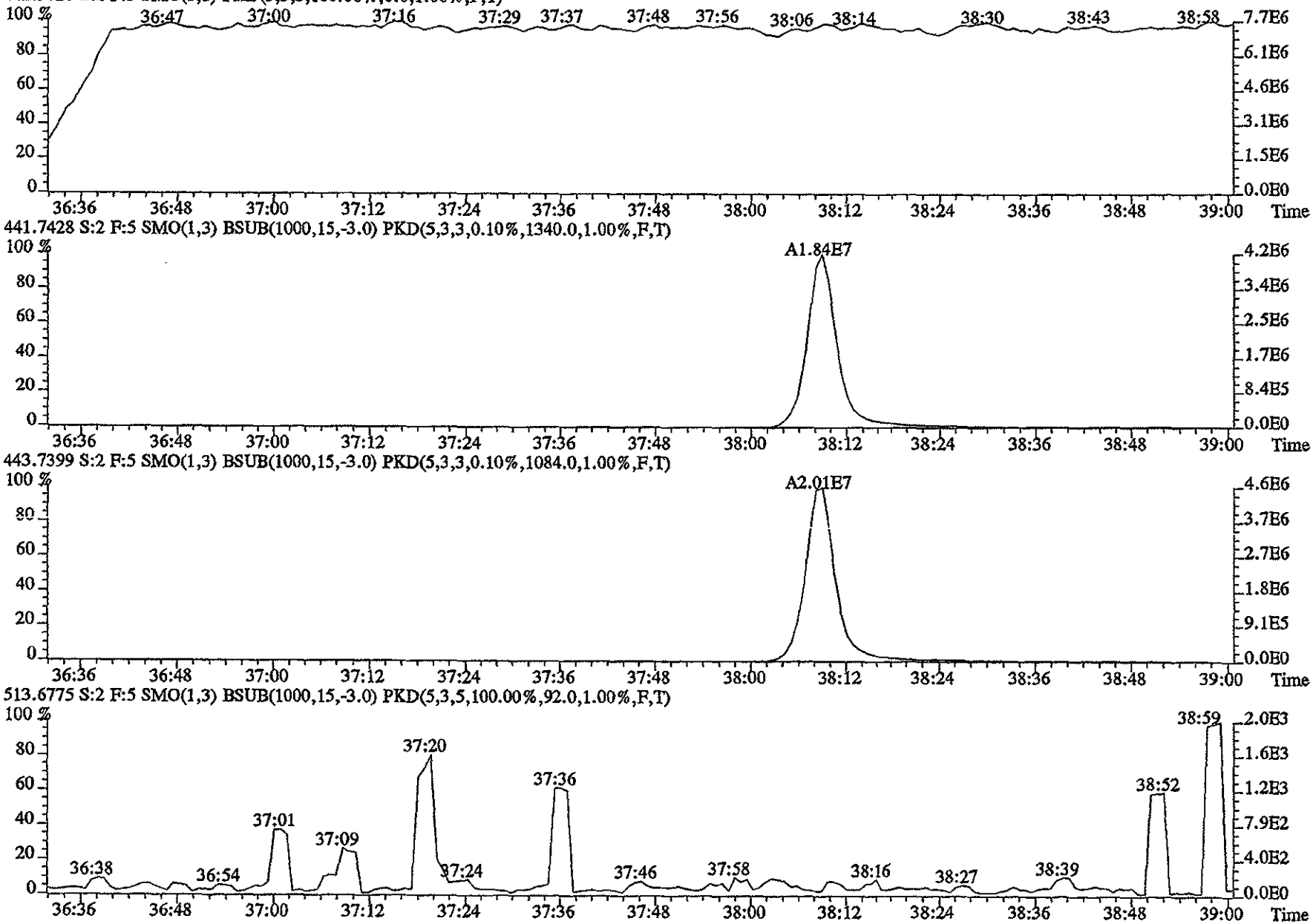






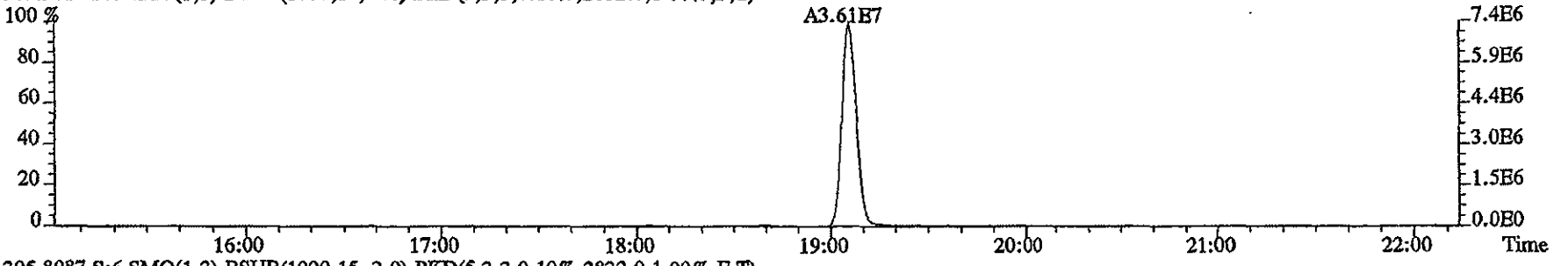


File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

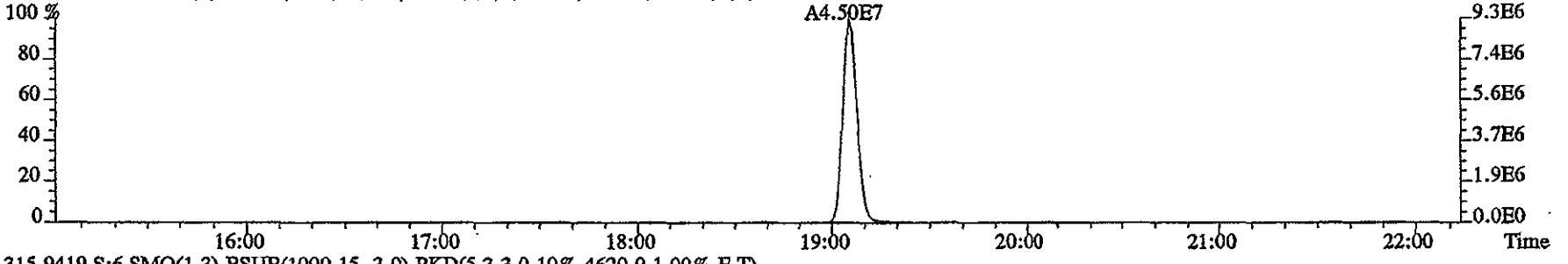


File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

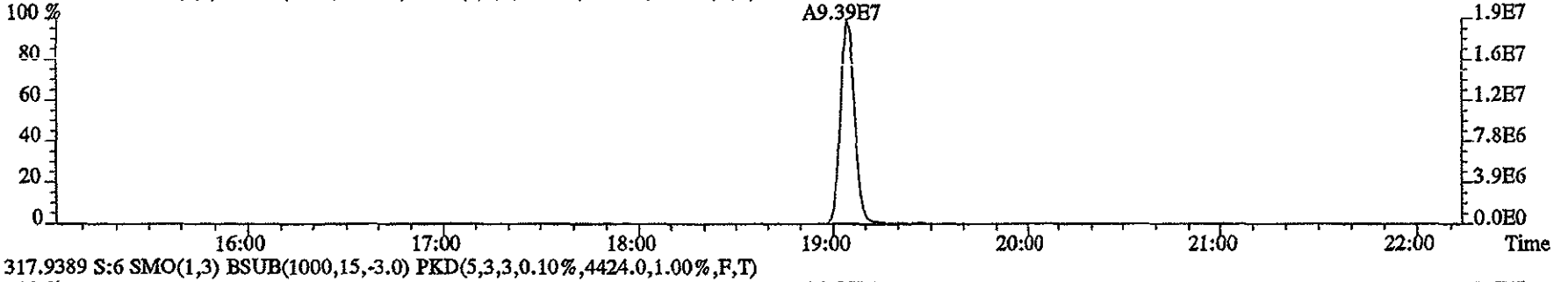
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)



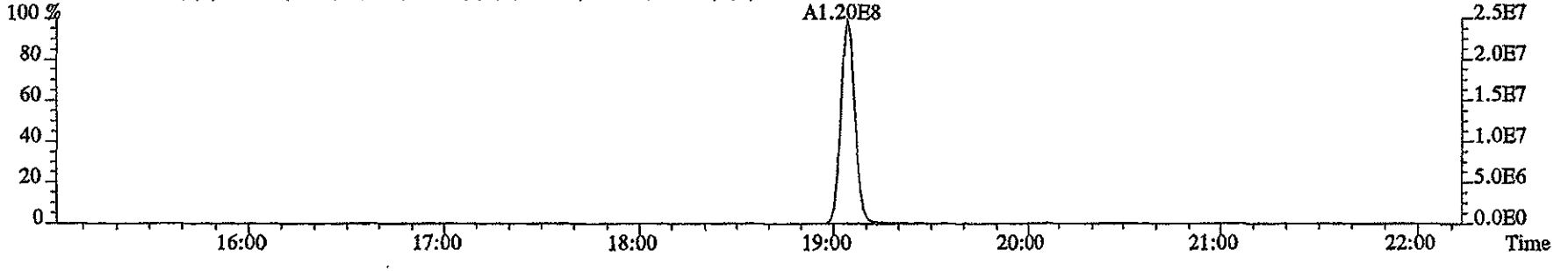
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)



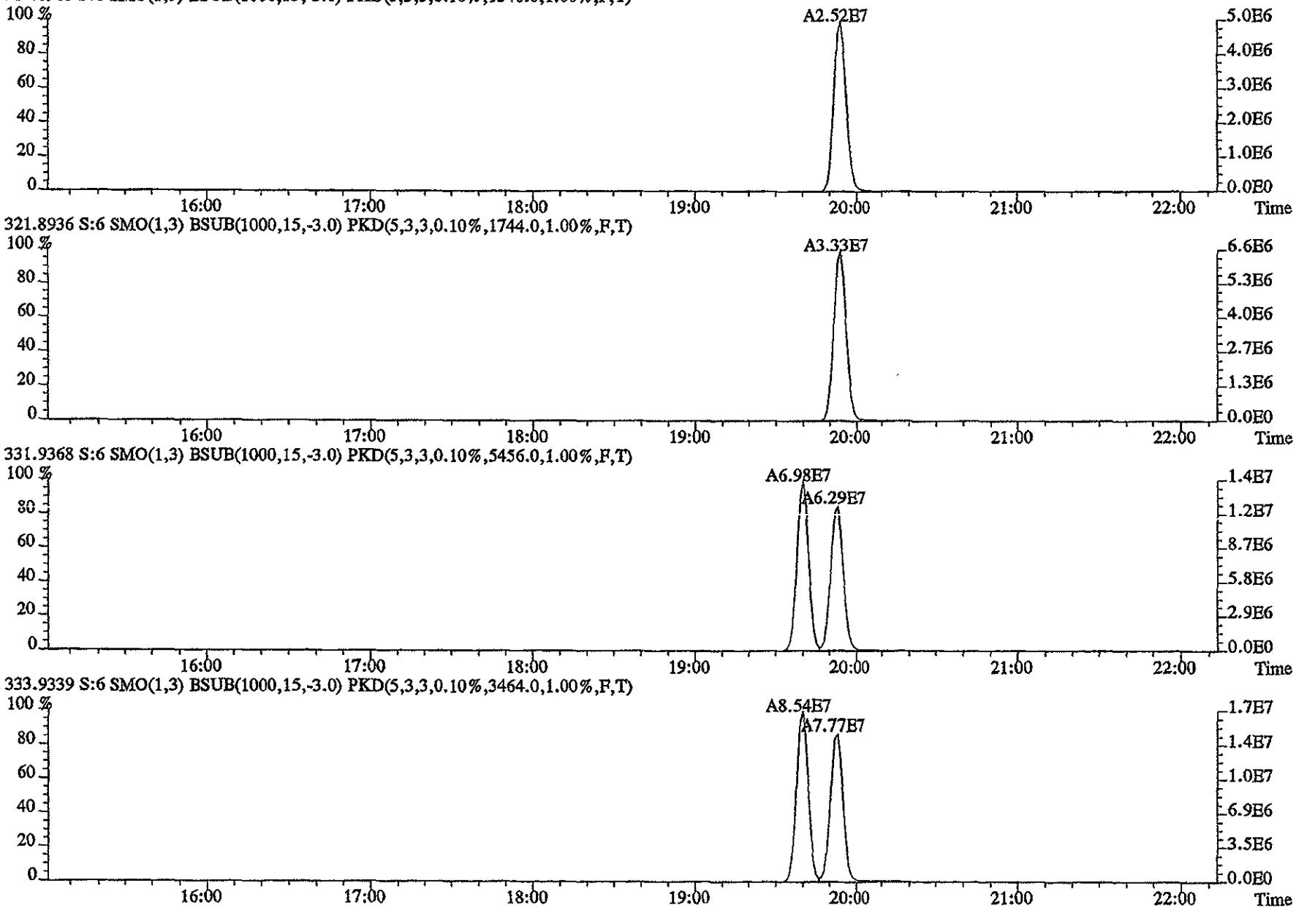
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4620.0,1.00%,F,T)



317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4424.0,1.00%,F,T)

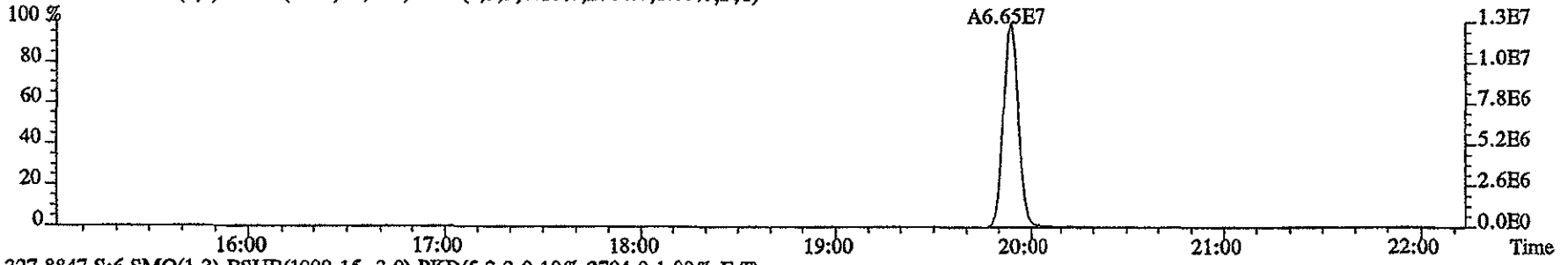


File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

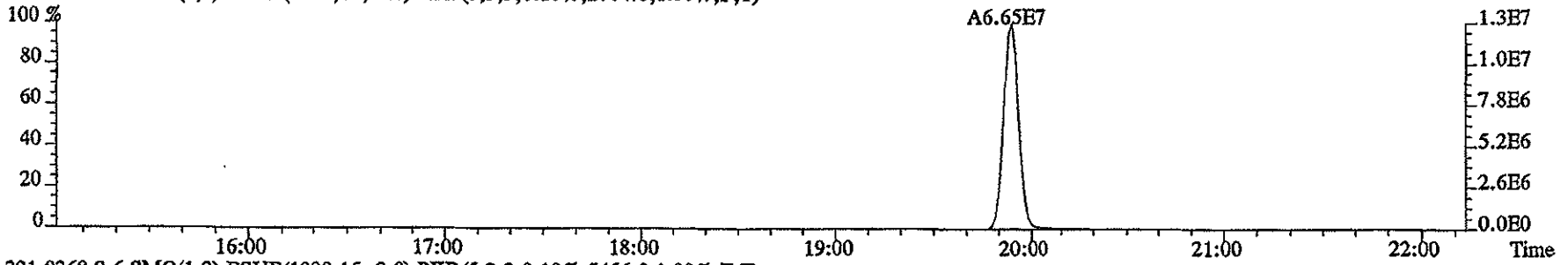


File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

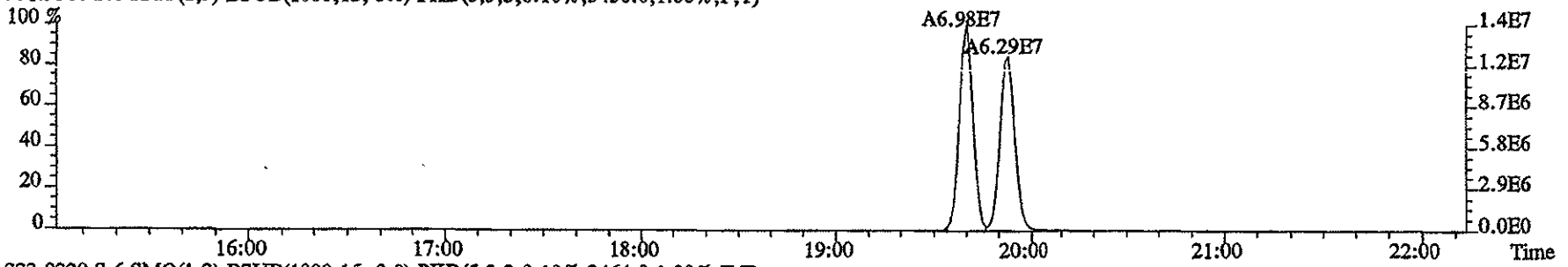
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)



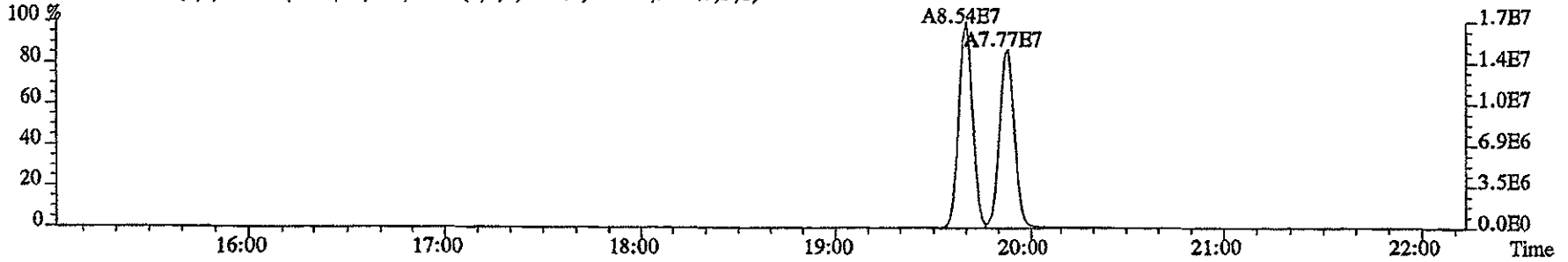
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5456.0,1.00%,F,T)

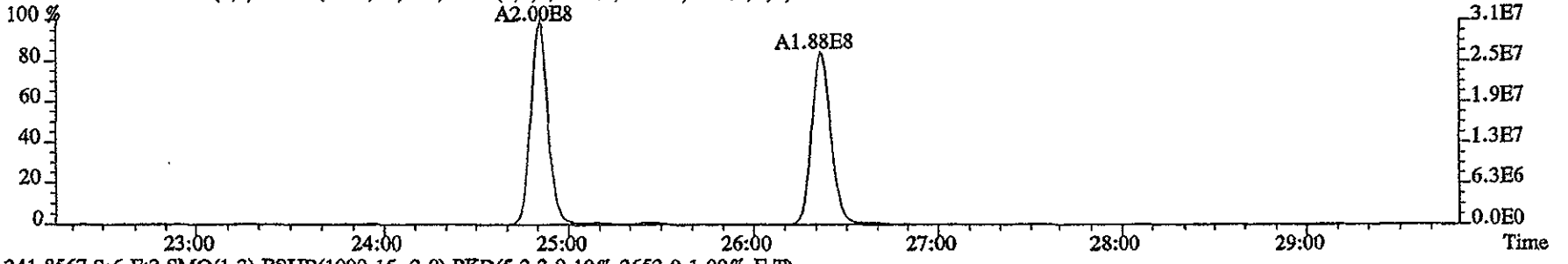


333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3464.0,1.00%,F,T)

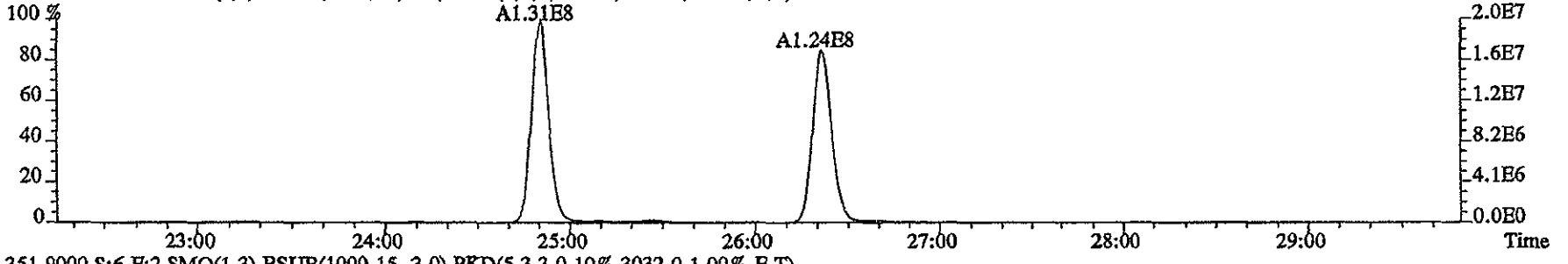


File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

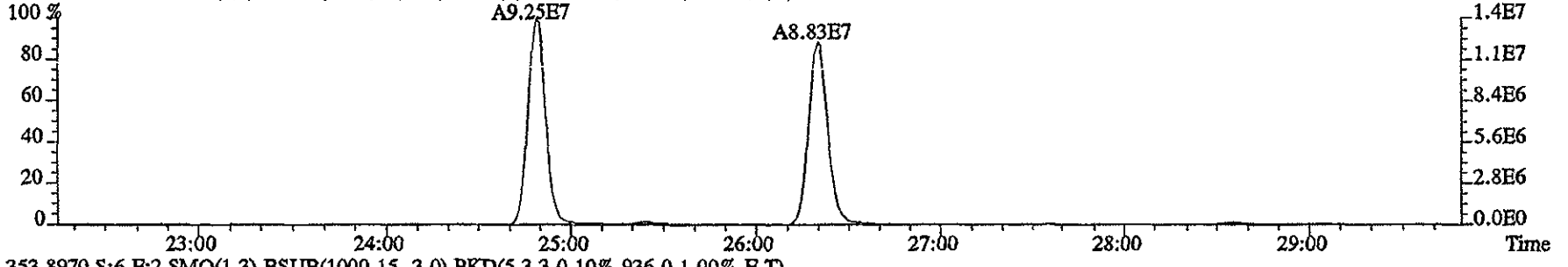
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T)



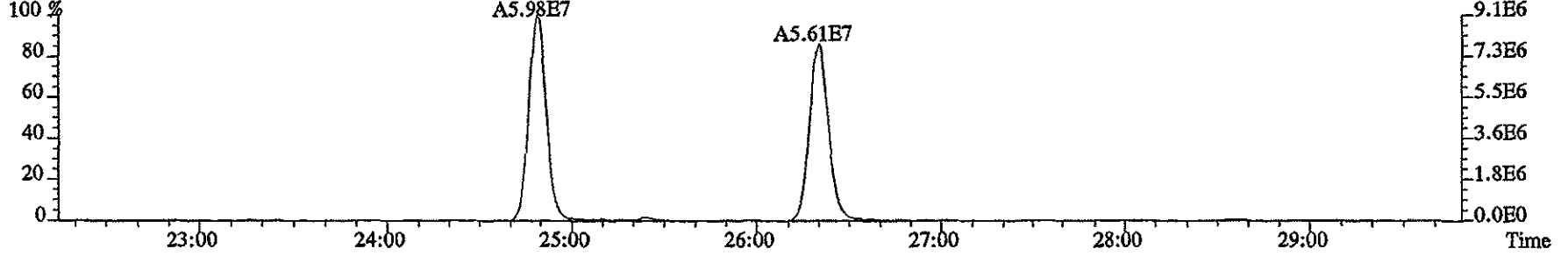
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2652.0,1.00%,F,T)



351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3032.0,1.00%,F,T)

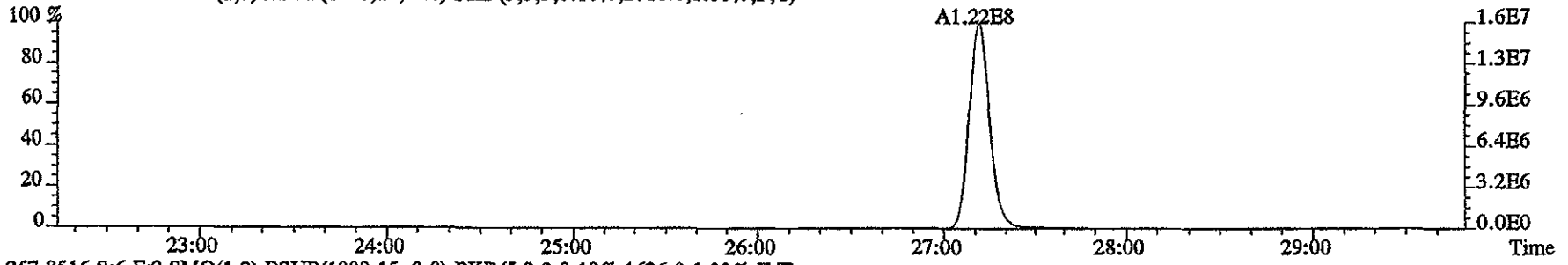


353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,936.0,1.00%,F,T)

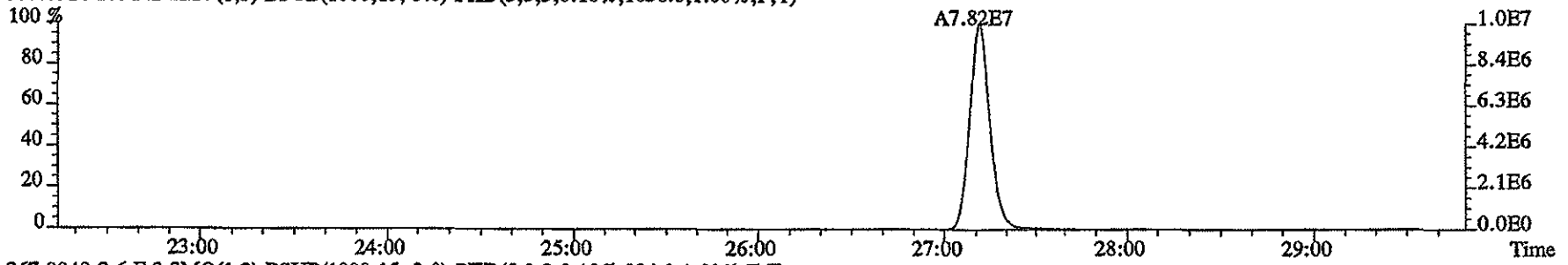


File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

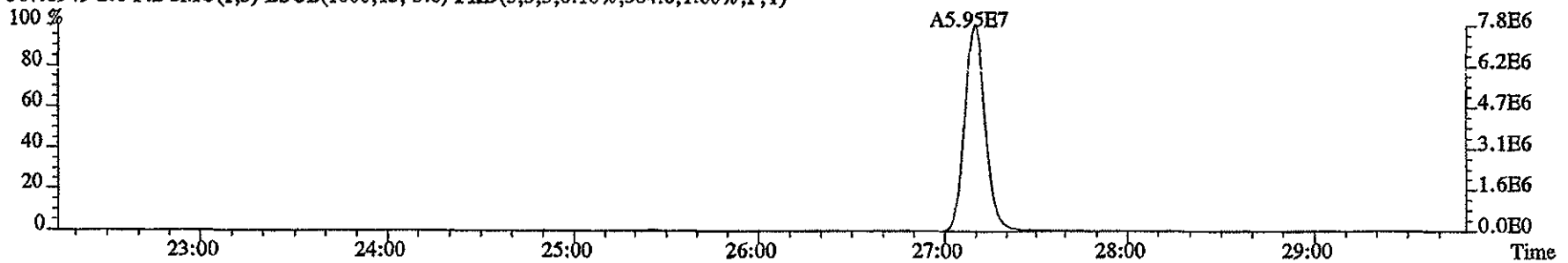
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2816.0,1.00%,F,T)



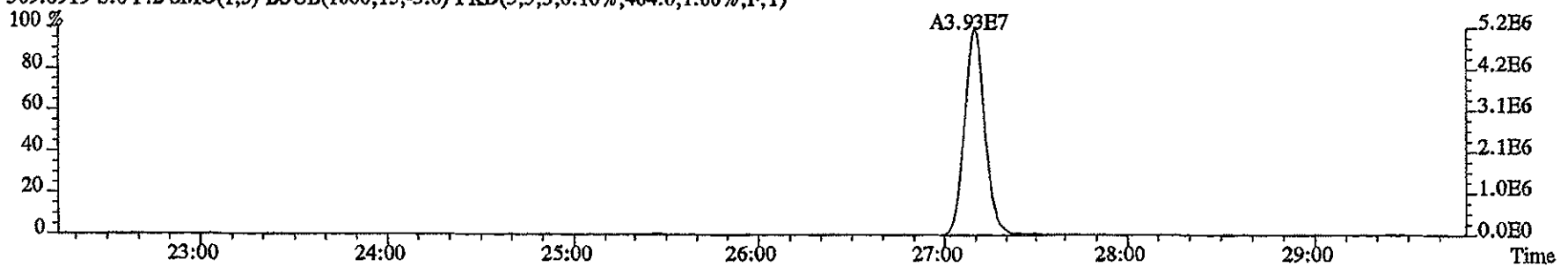
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)



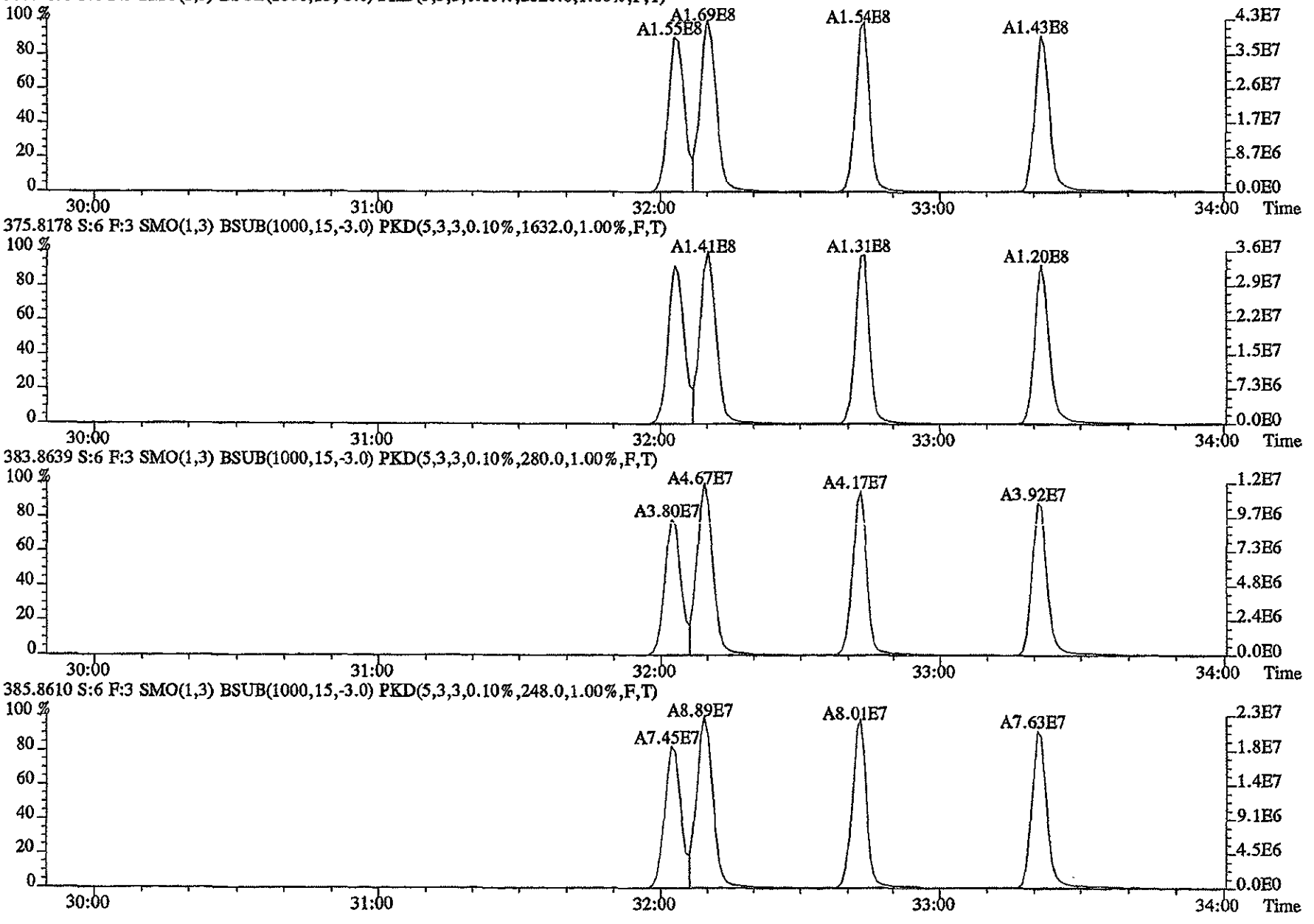
367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,384.0,1.00%,F,T)



369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,464.0,1.00%,F,T)

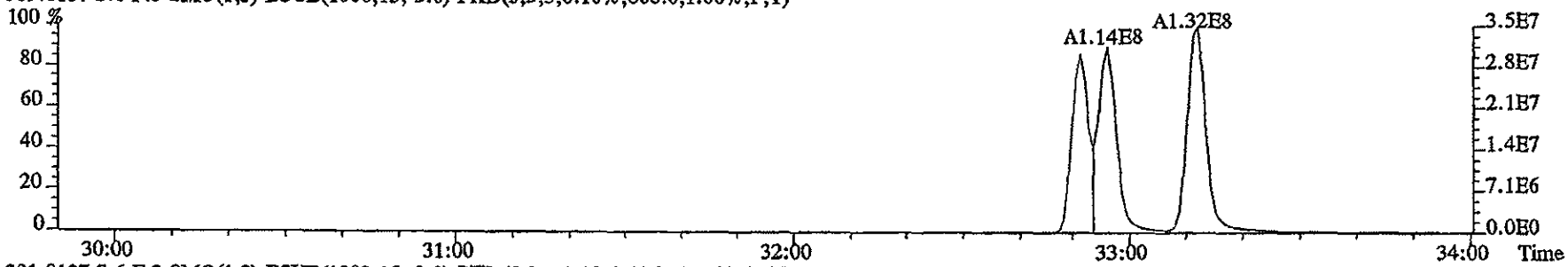


File:12AP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

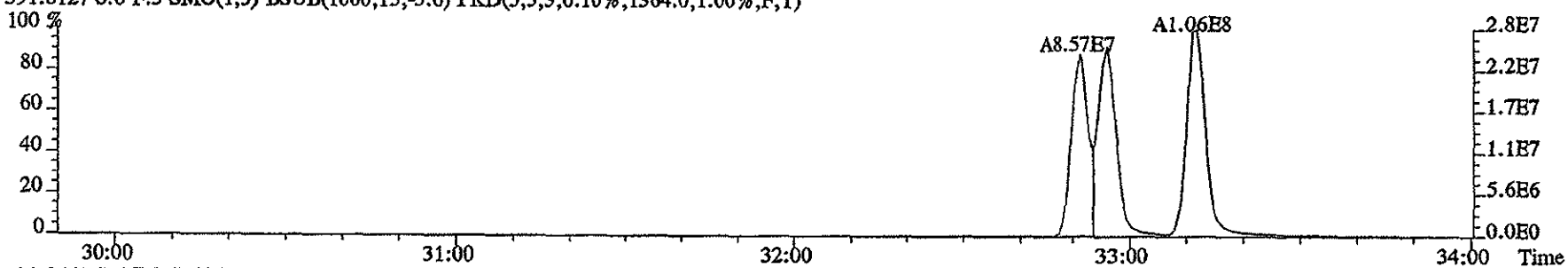


File:12AP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

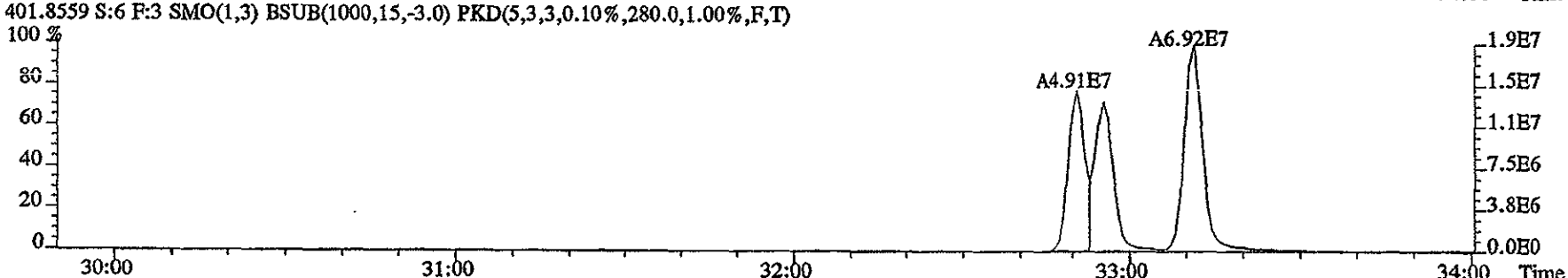
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,868.0,1.00%,F,T)



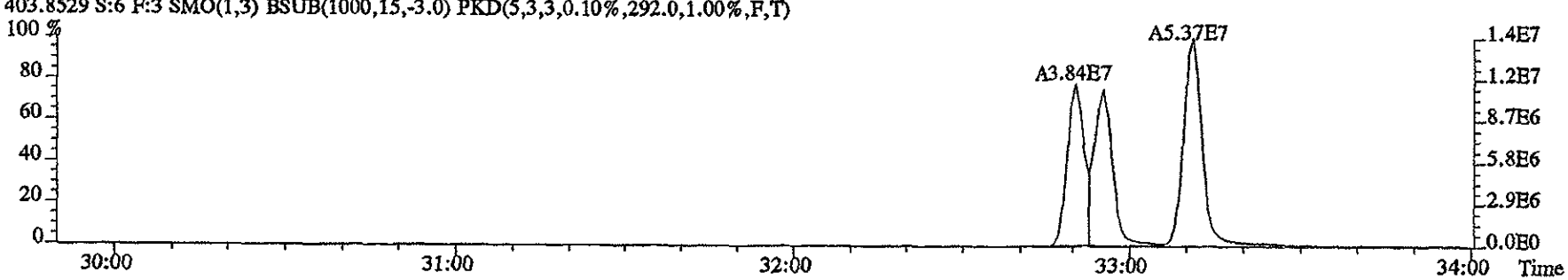
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364.0,1.00%,F,T)



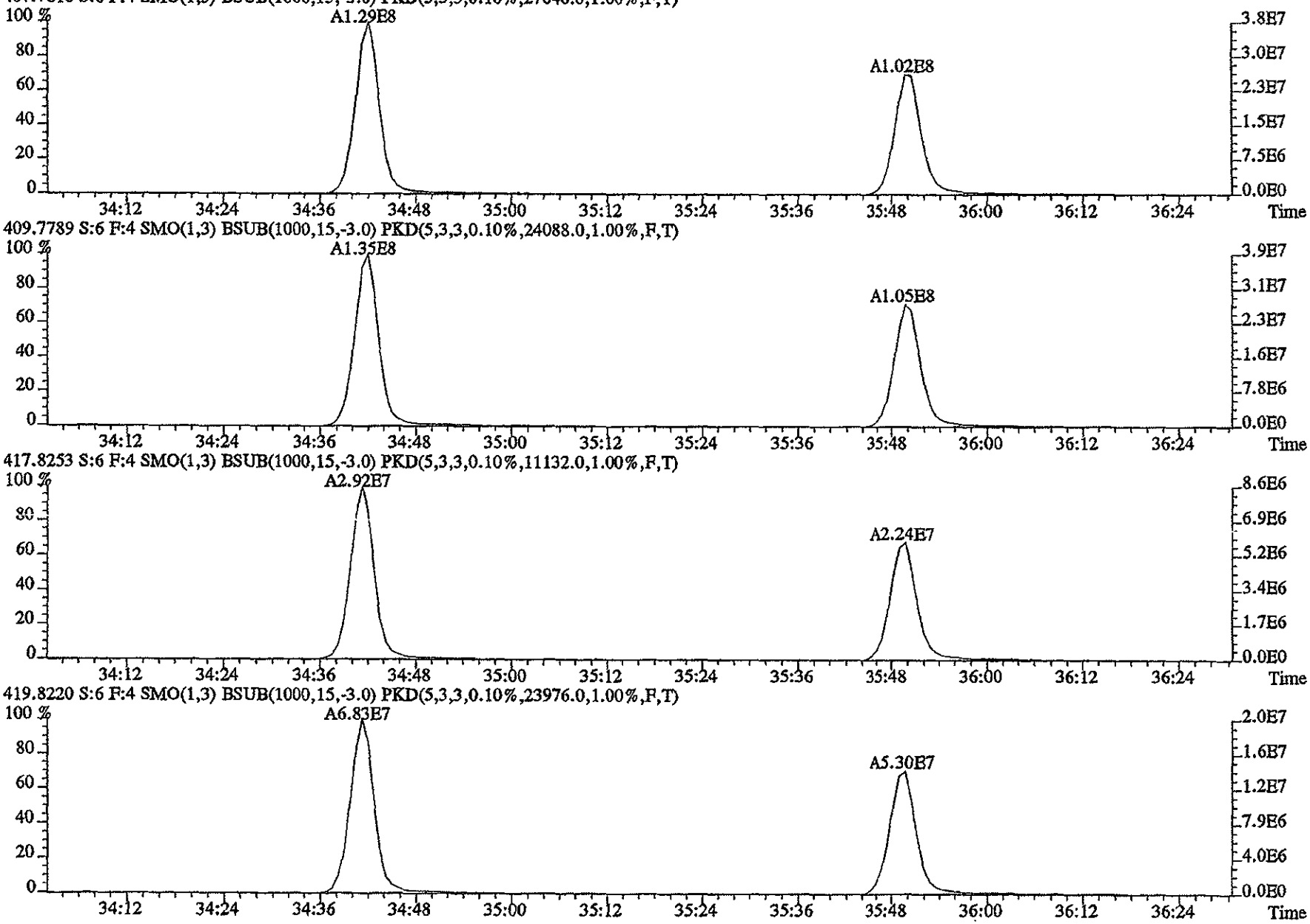
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,280.0,1.00%,F,T)



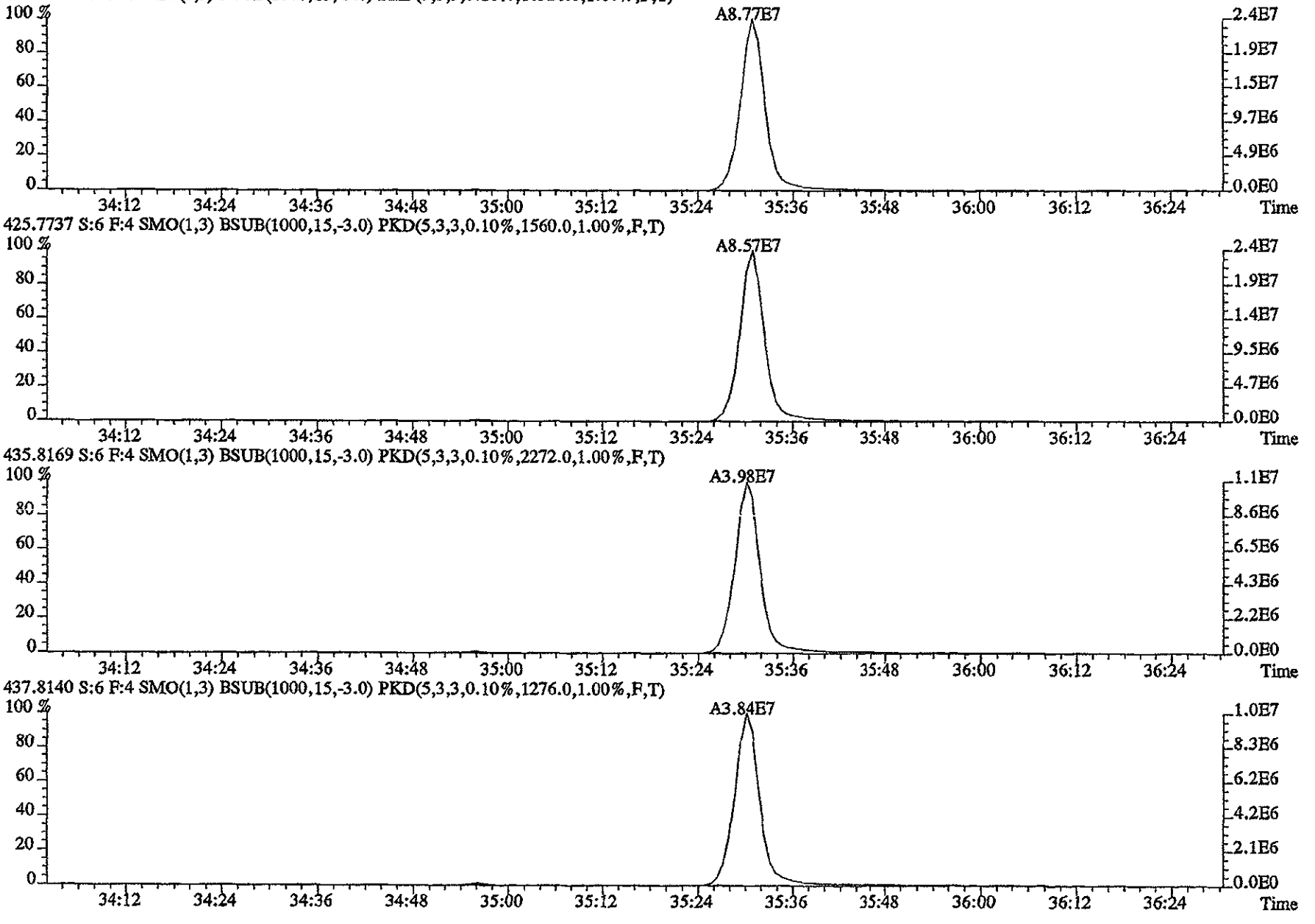
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,292.0,1.00%,F,T)



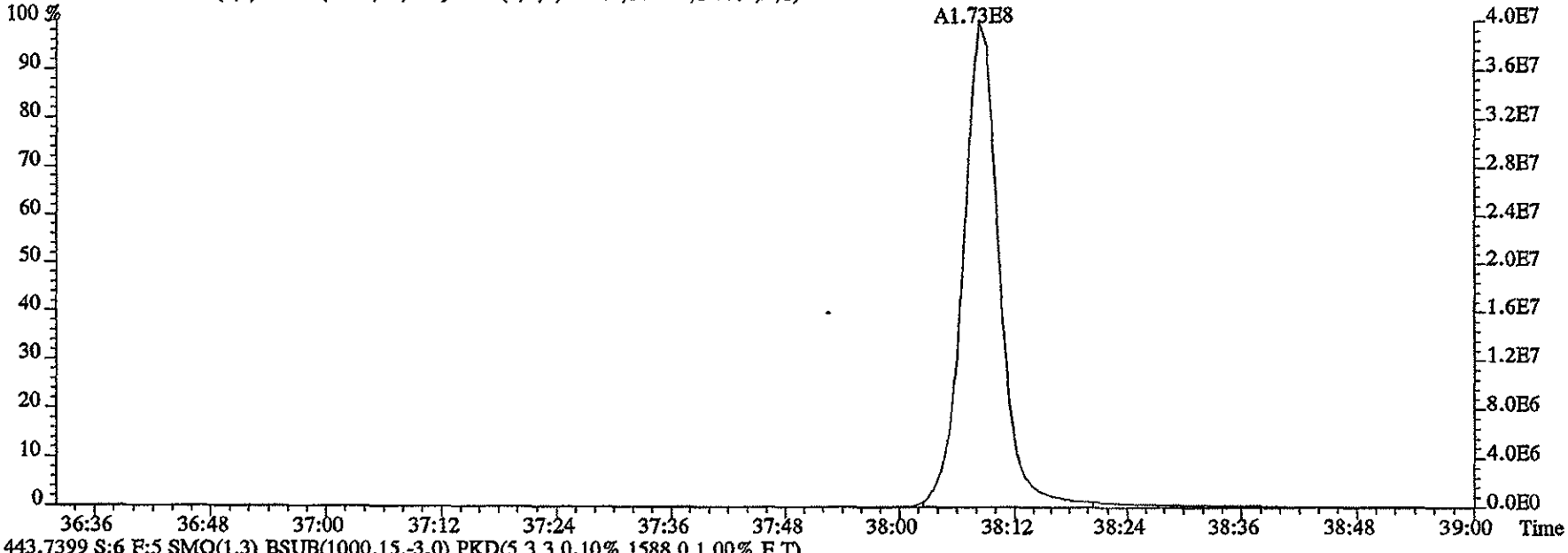
File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



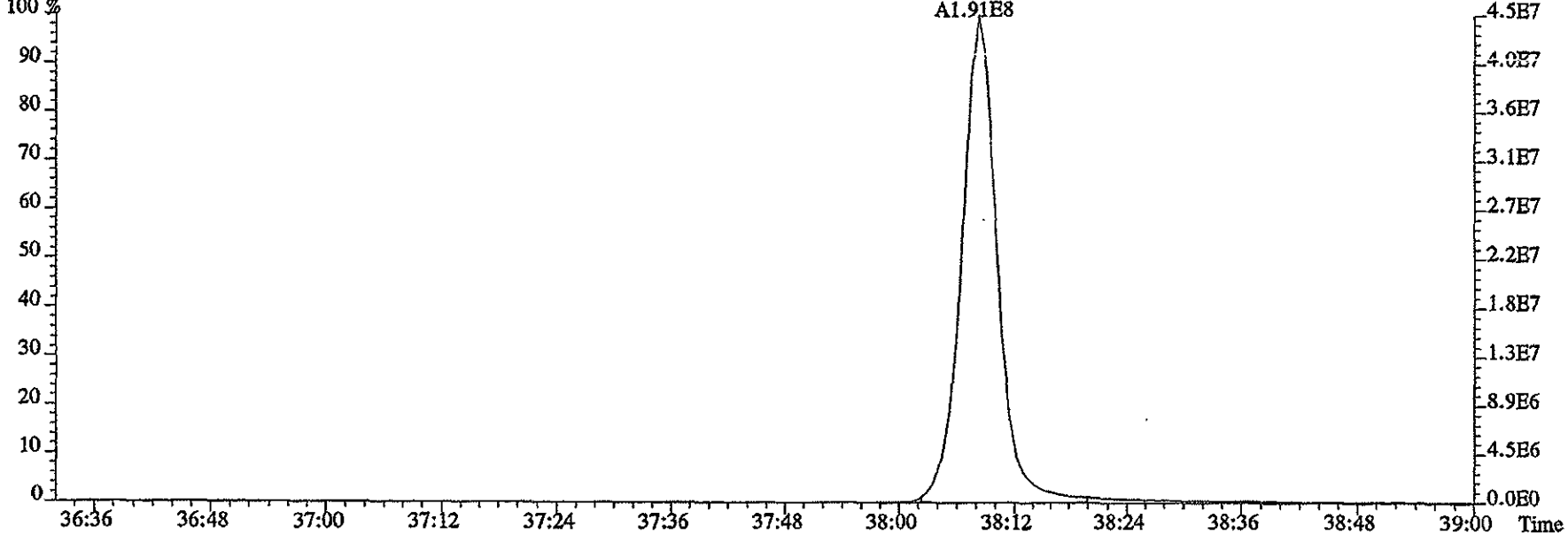
File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



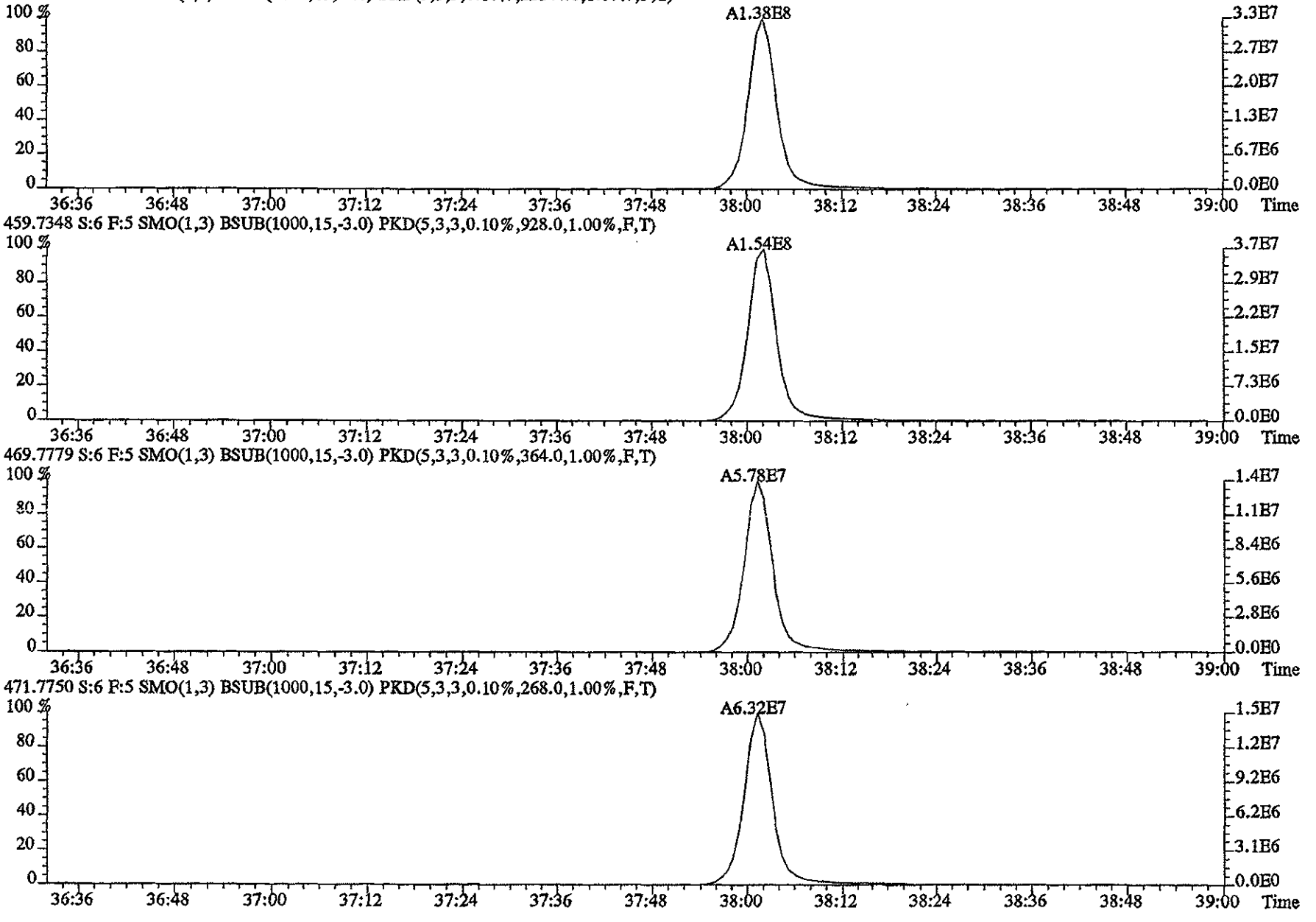
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)



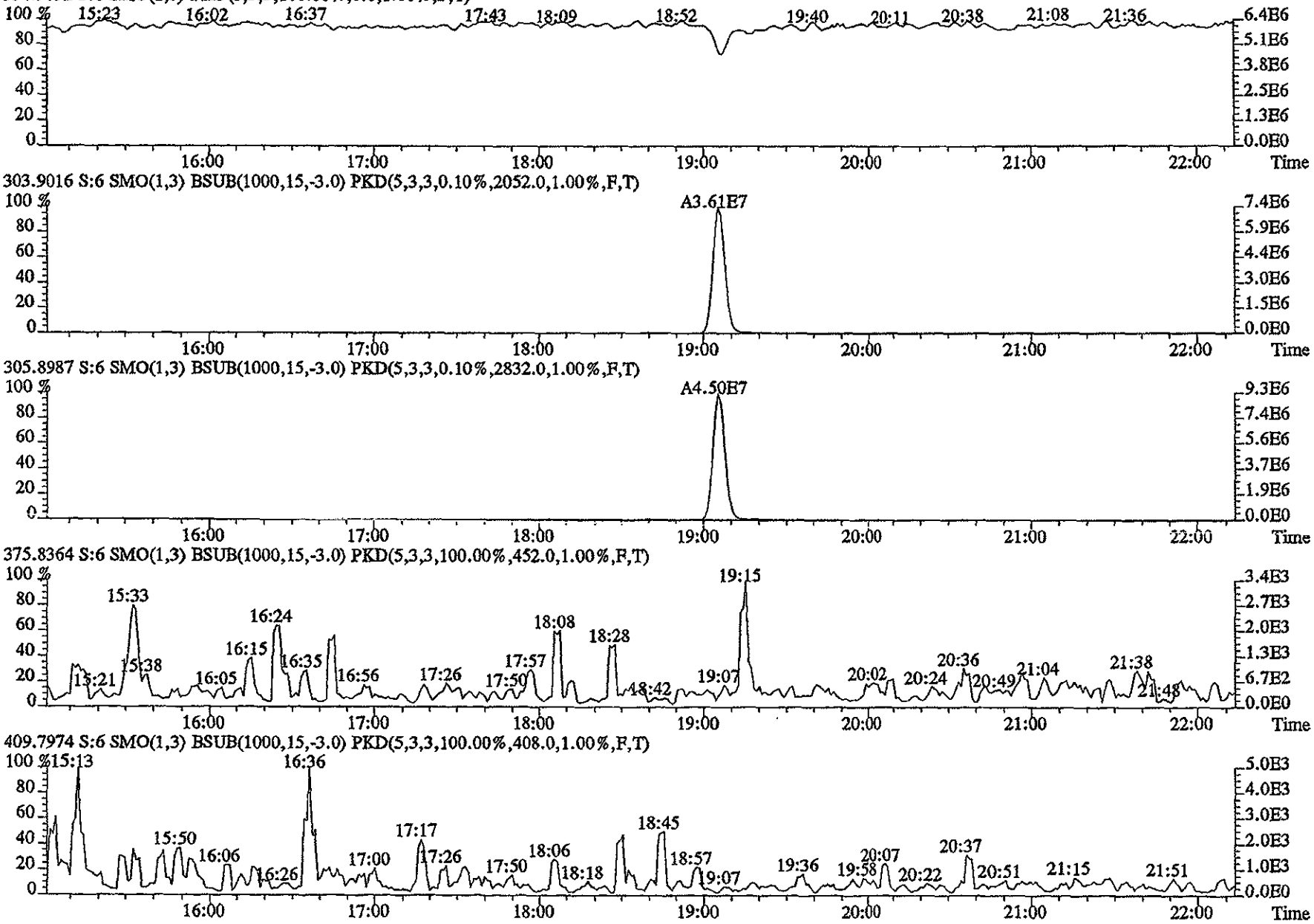
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T)



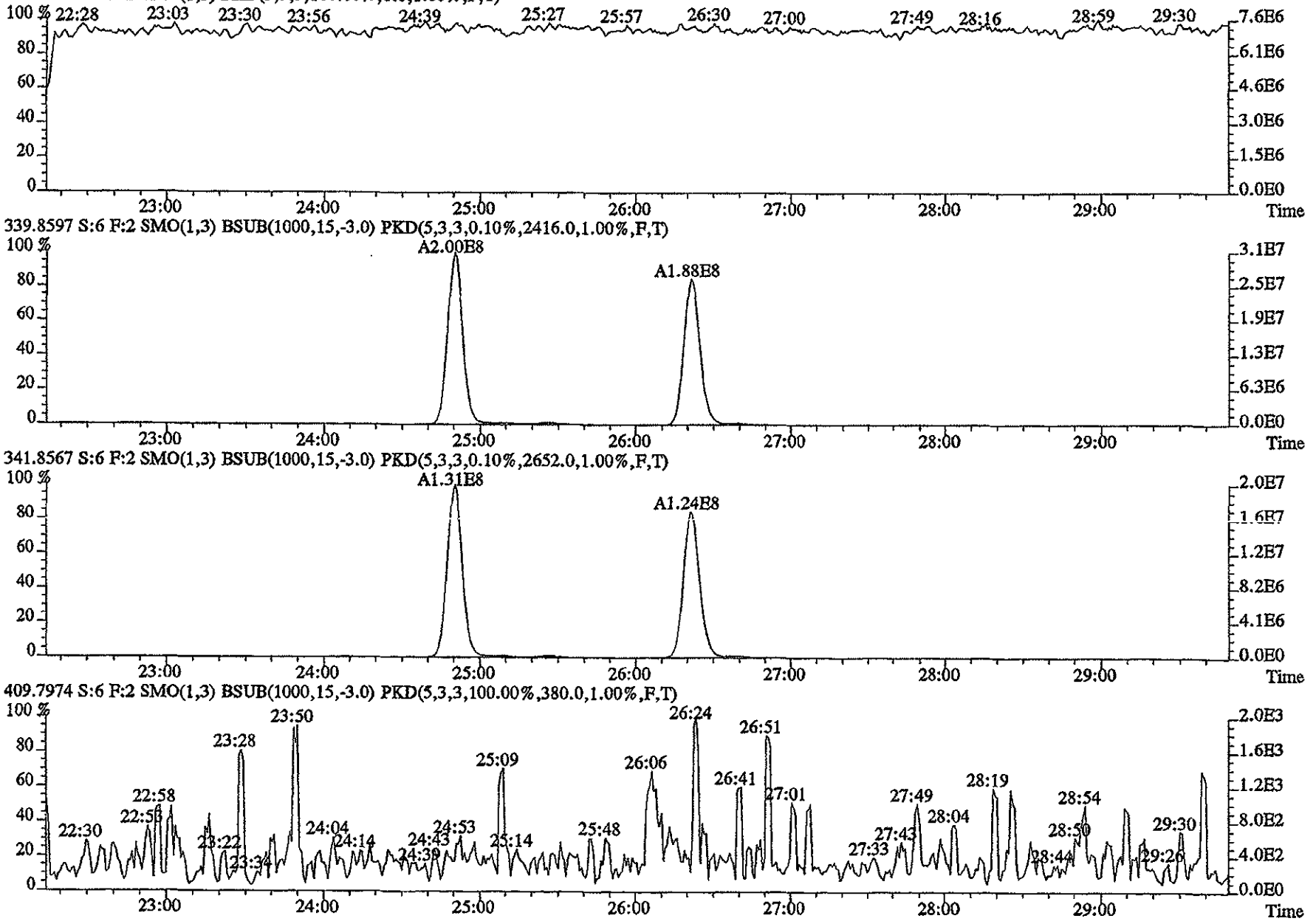
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



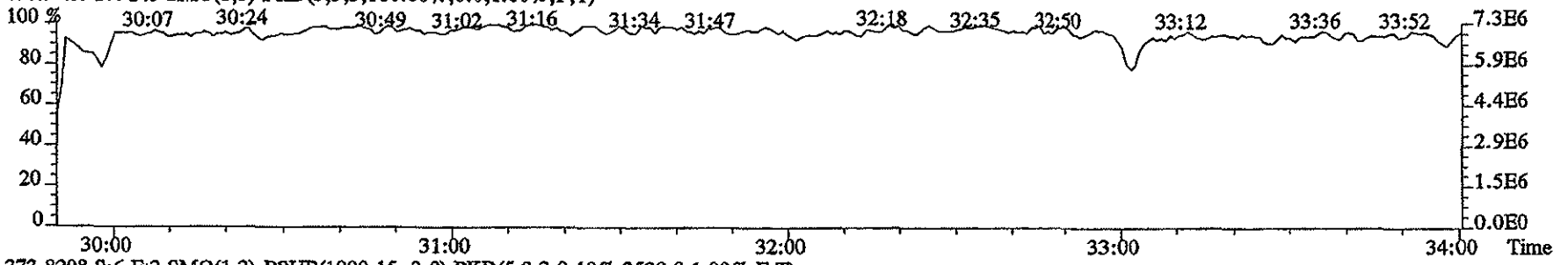
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



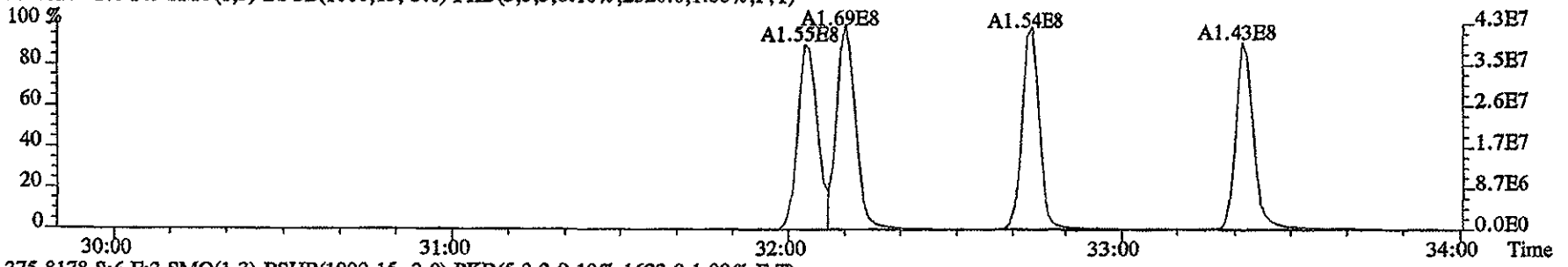
File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



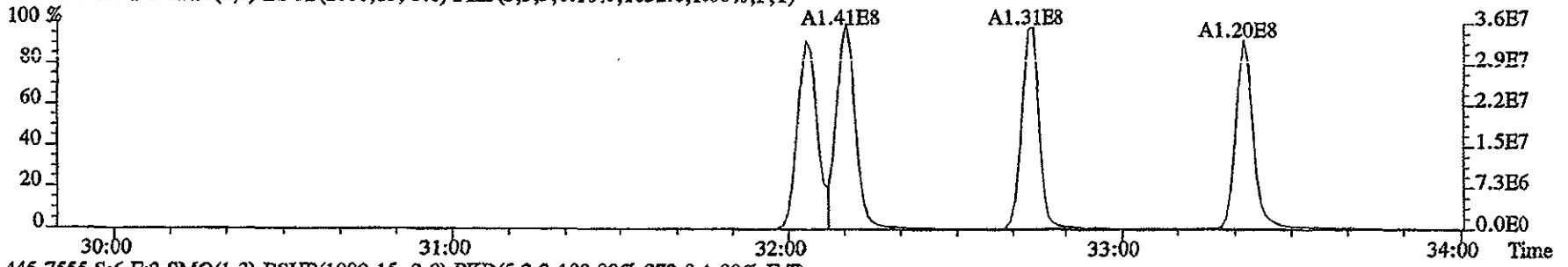
File:12AP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
430.9728 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



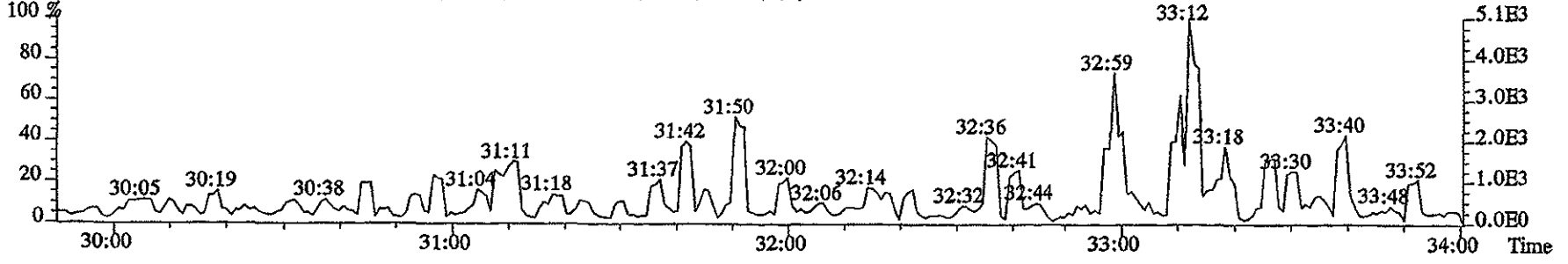
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2520.0,1.00%,F,T)

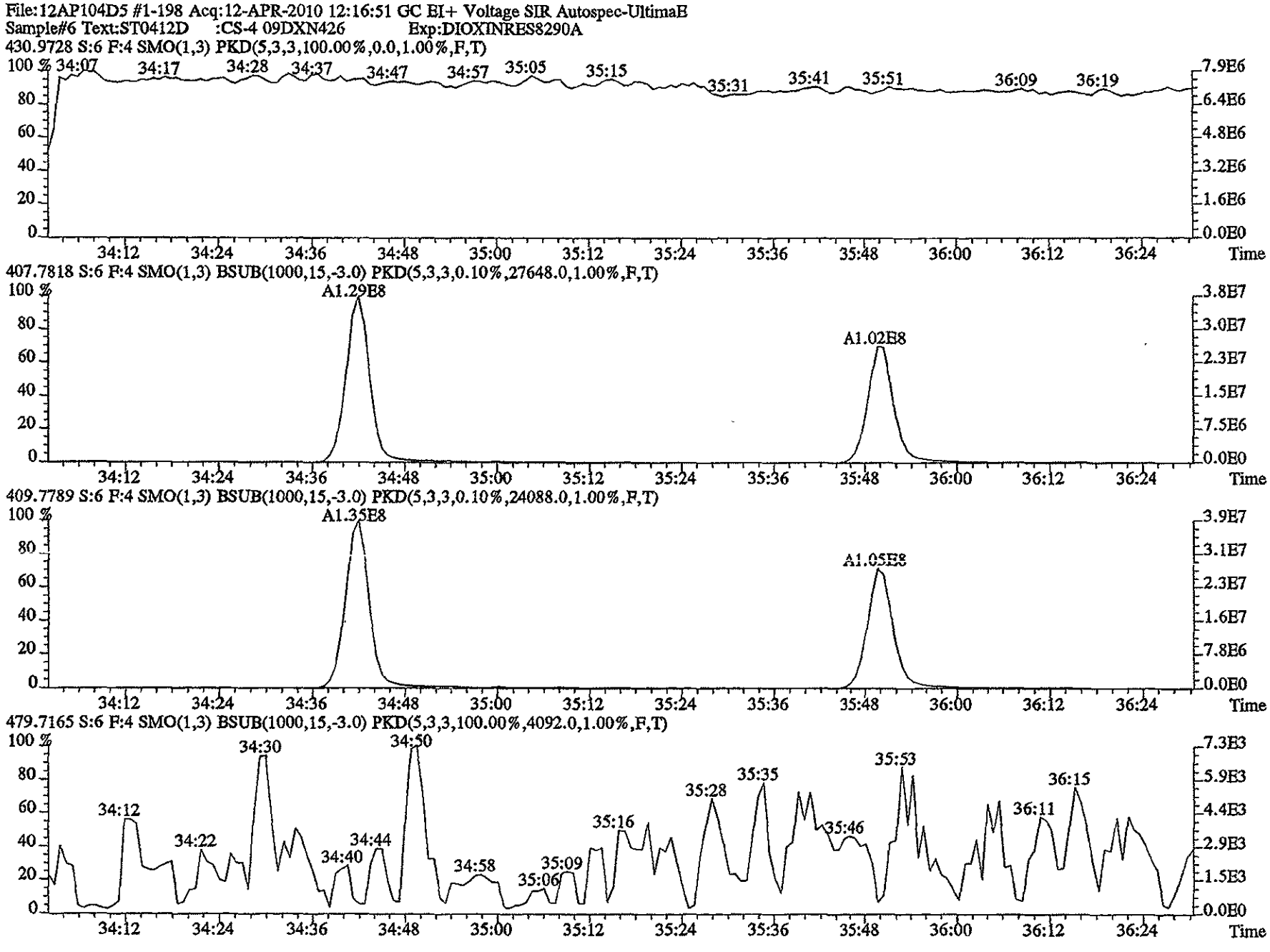


375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1632.0,1.00%,F,T)

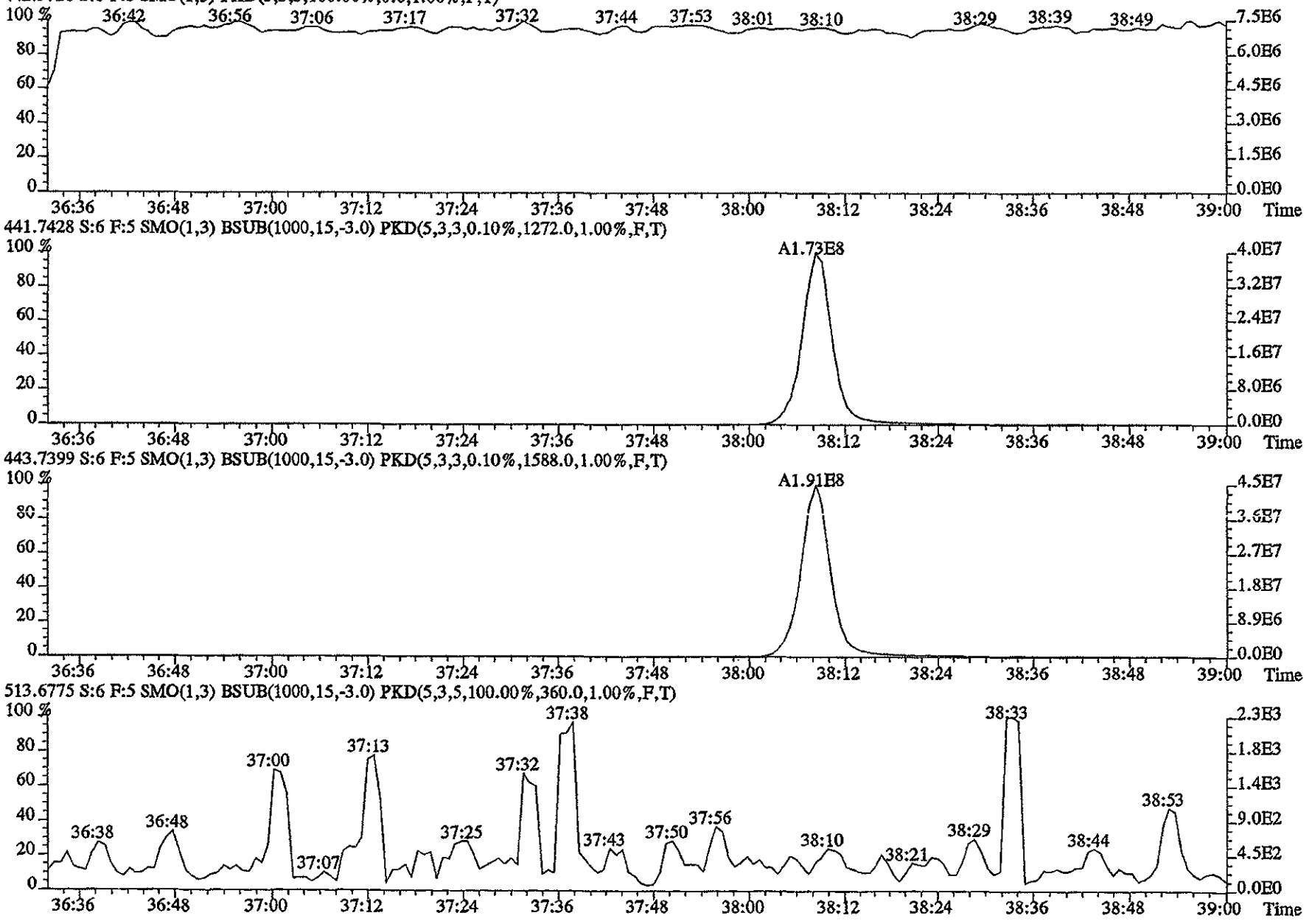


445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,372.0,1.00%,F,T)

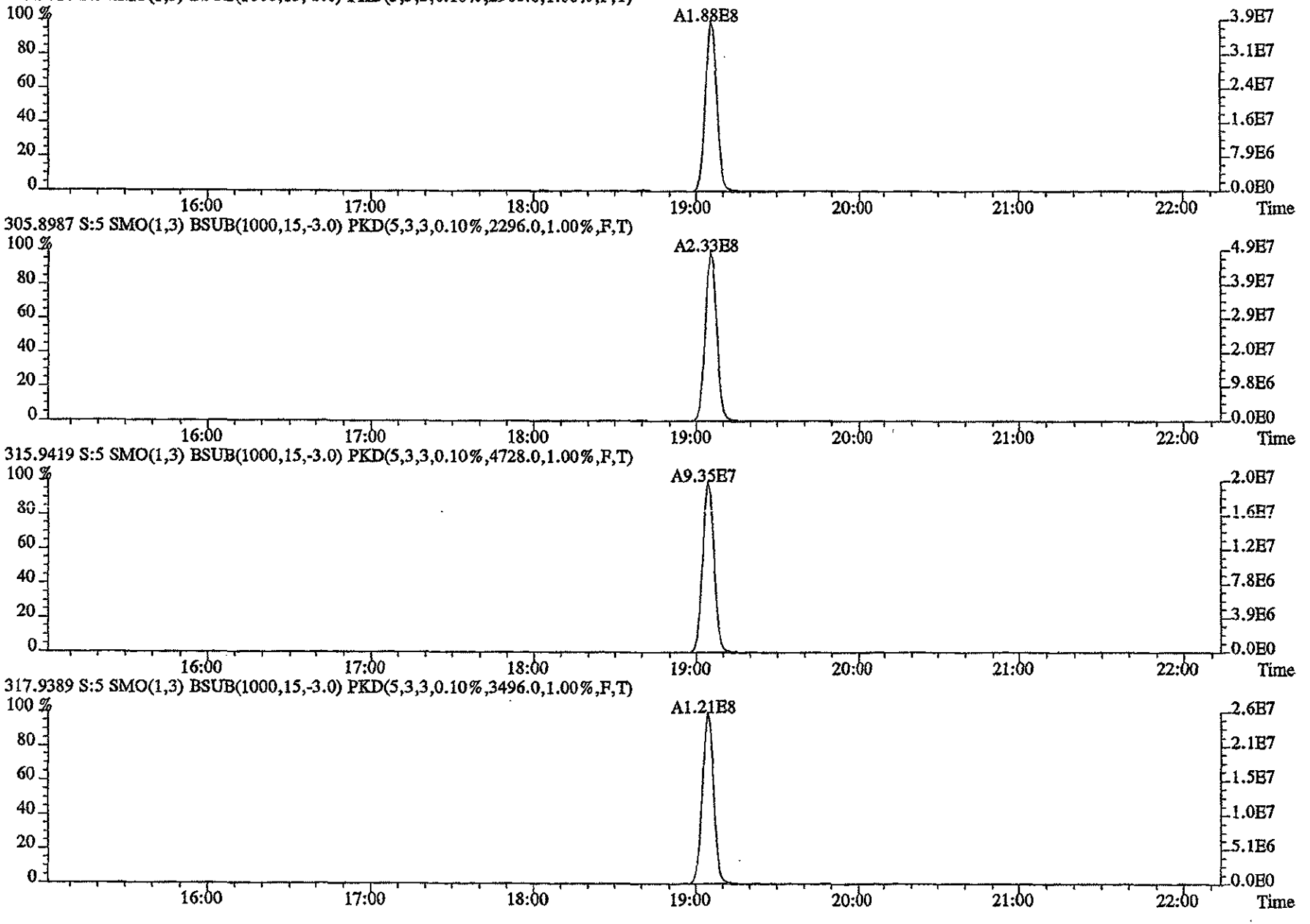




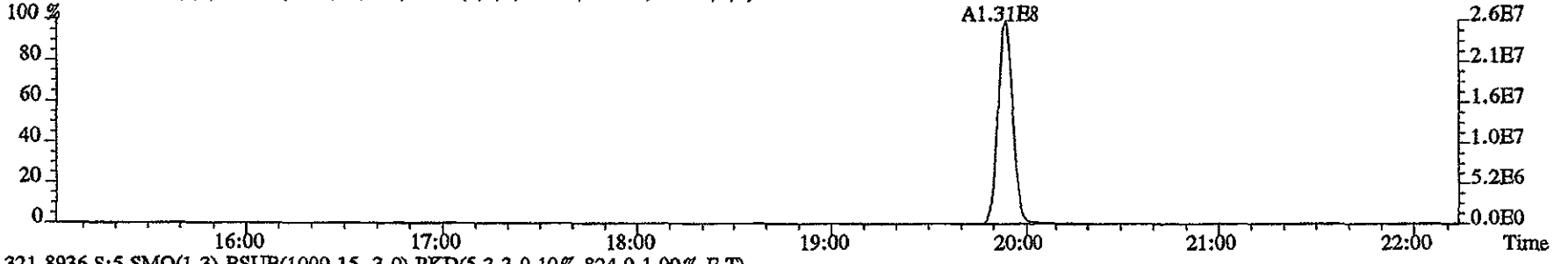
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



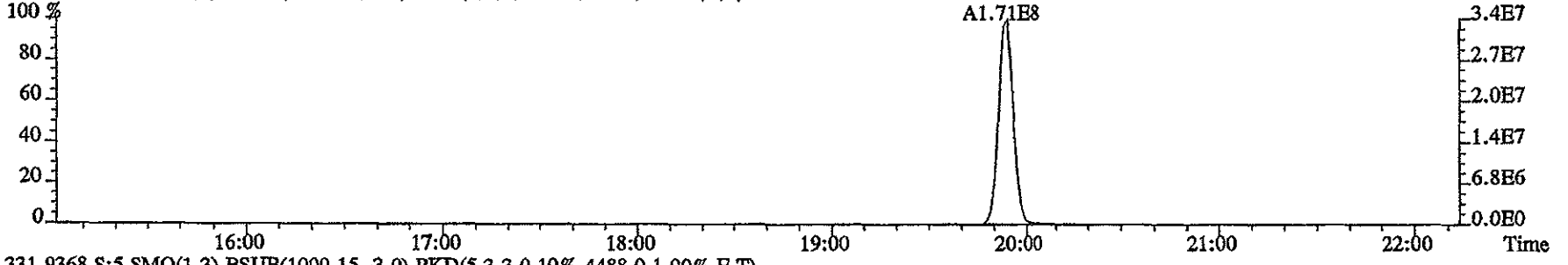
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



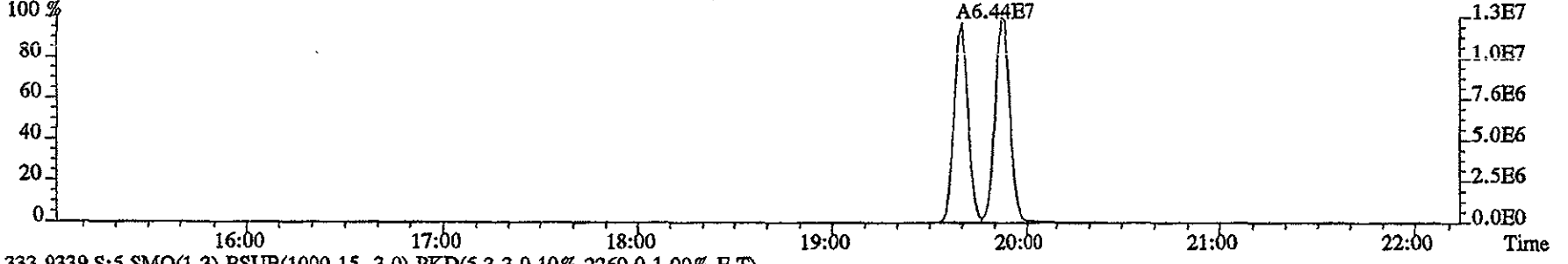
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1000.0,1.00%,F,T)



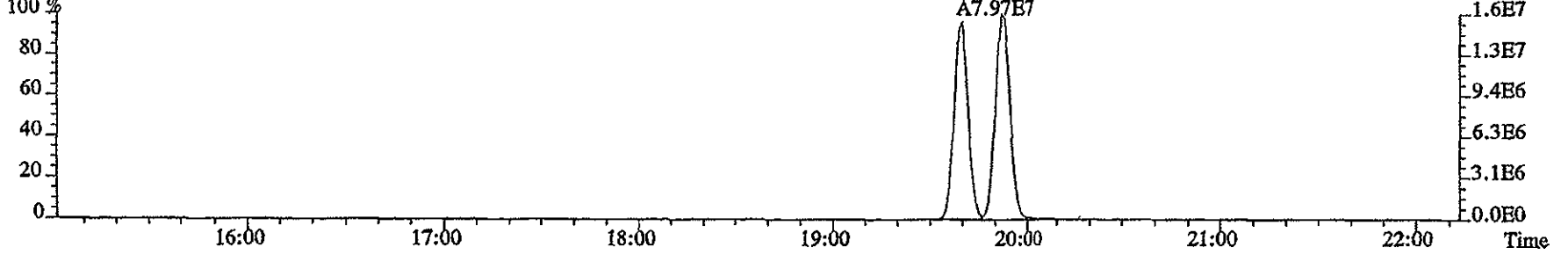
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,824.0,1.00%,F,T)



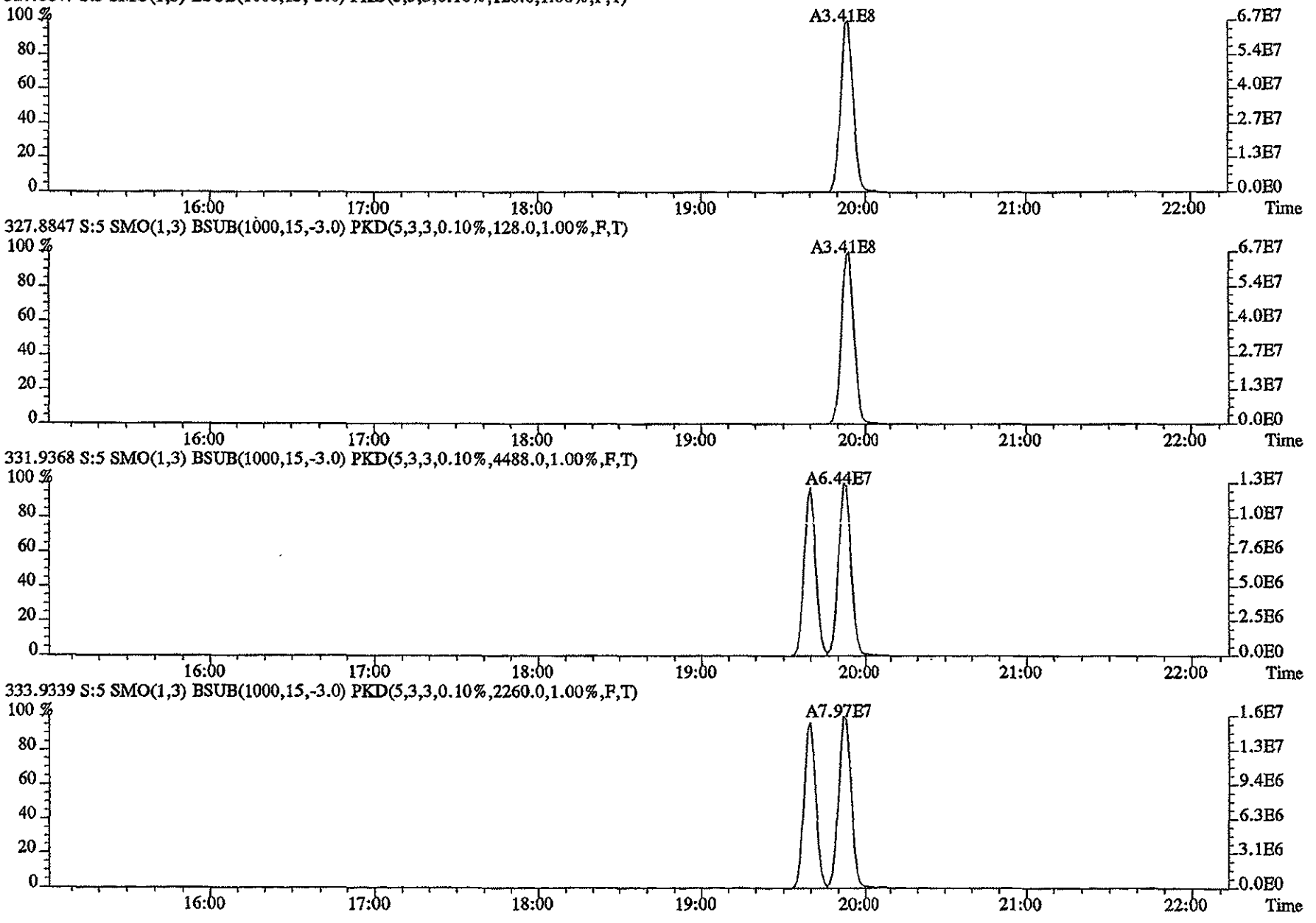
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4488.0,1.00%,F,T)



333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2260.0,1.00%,F,T)

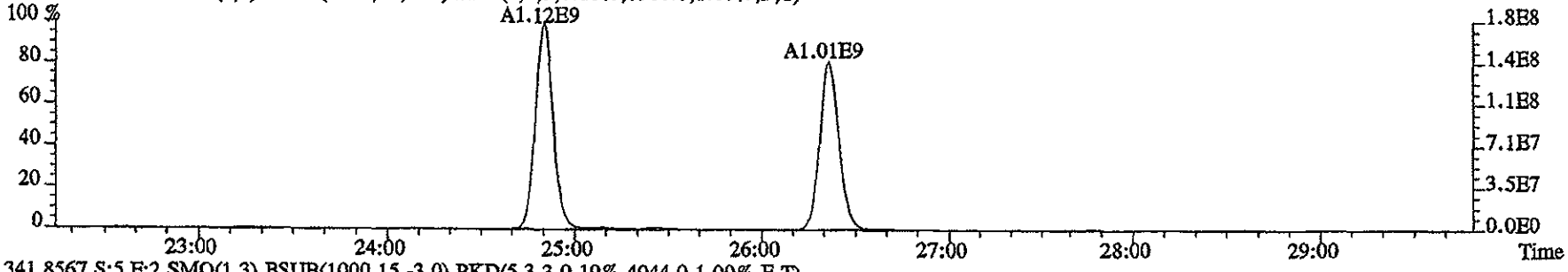


File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

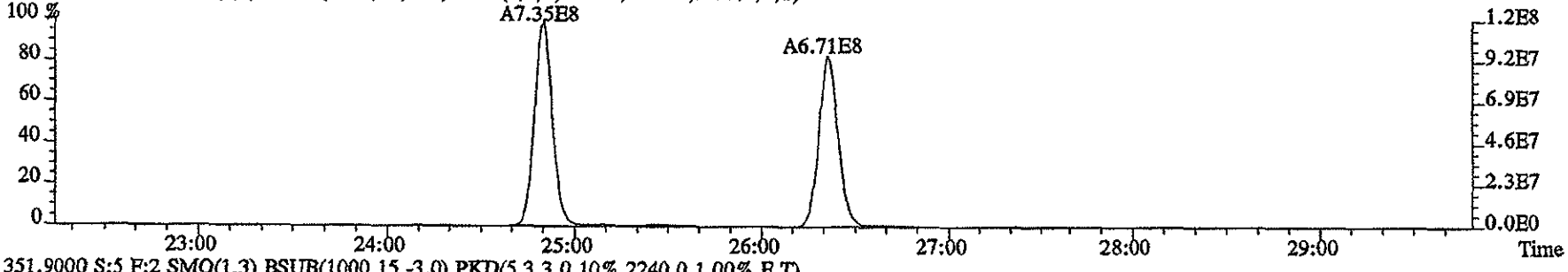


File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

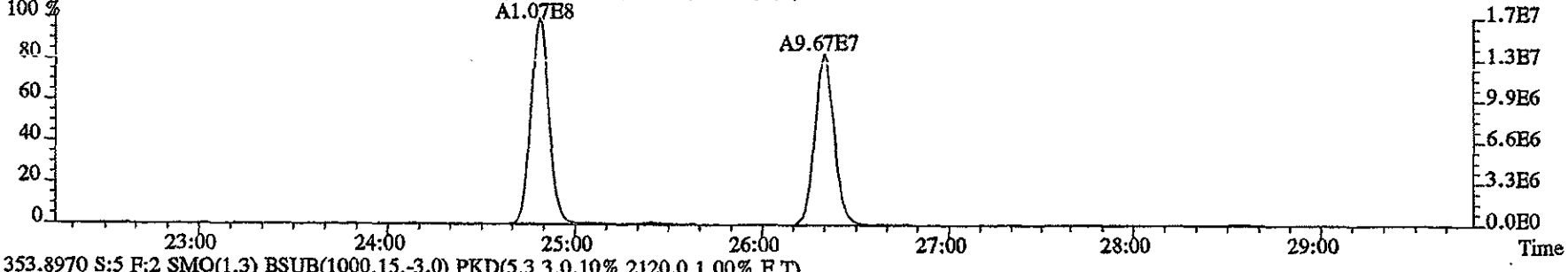
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8368.0,1.00%,F,T)



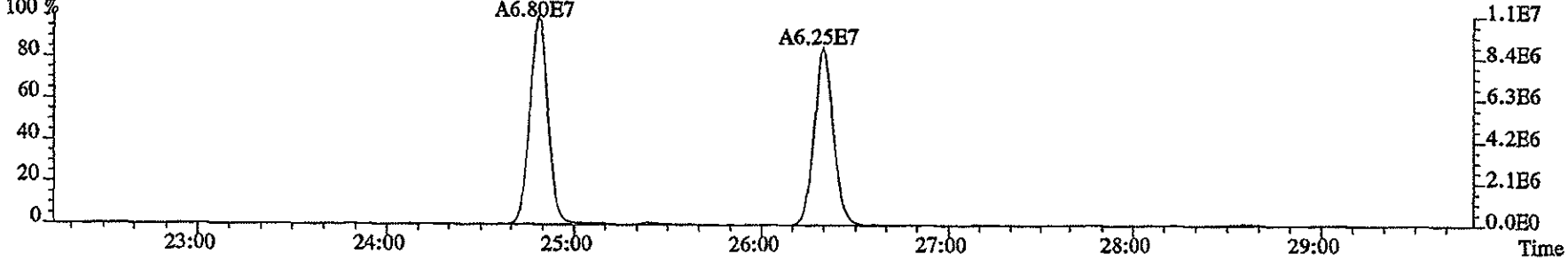
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4044.0,1.00%,F,T)



351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)

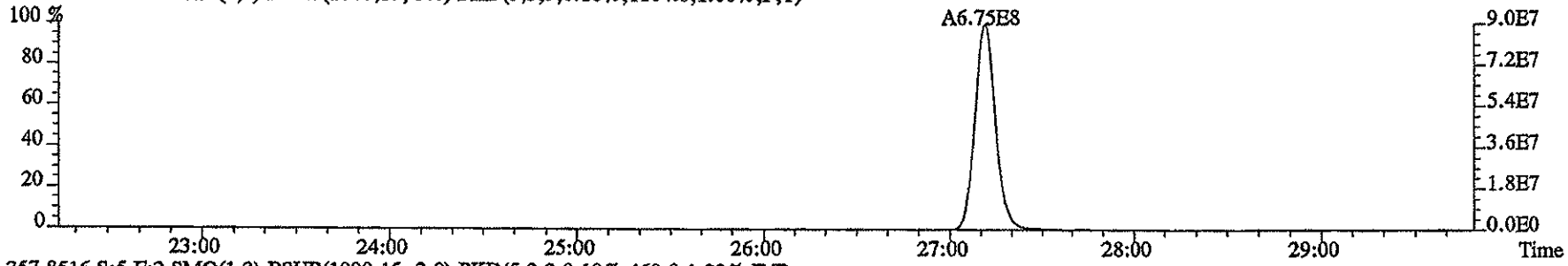


353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2120.0,1.00%,F,T)

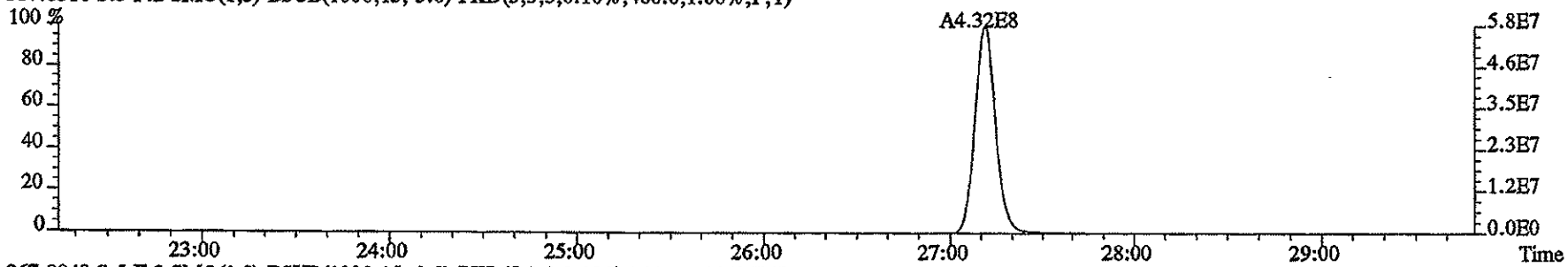


File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

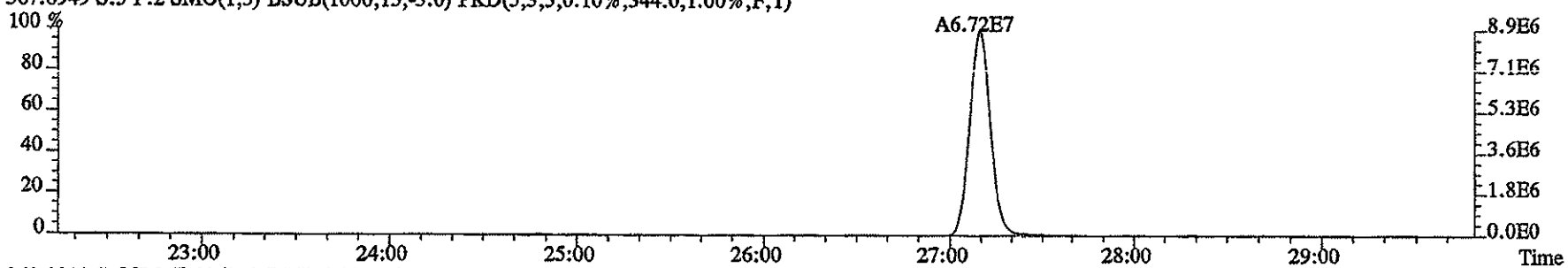
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



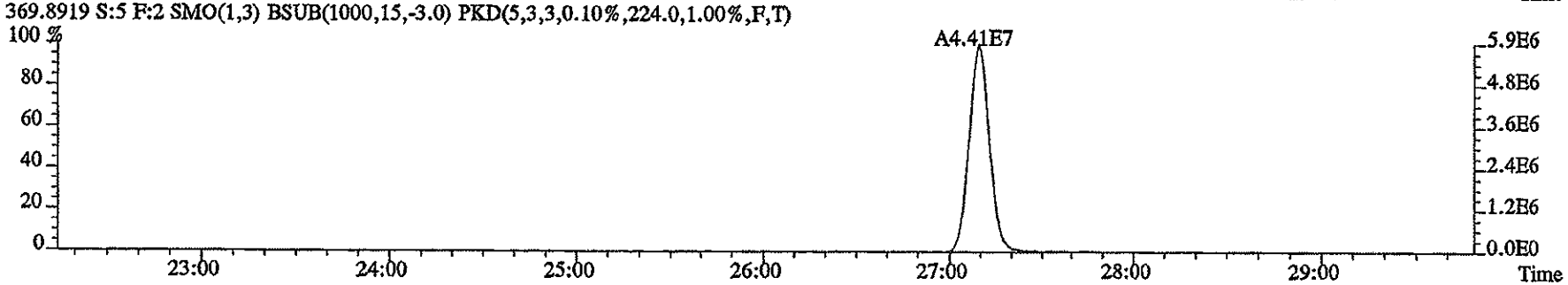
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,460.0,1.00%,F,T)



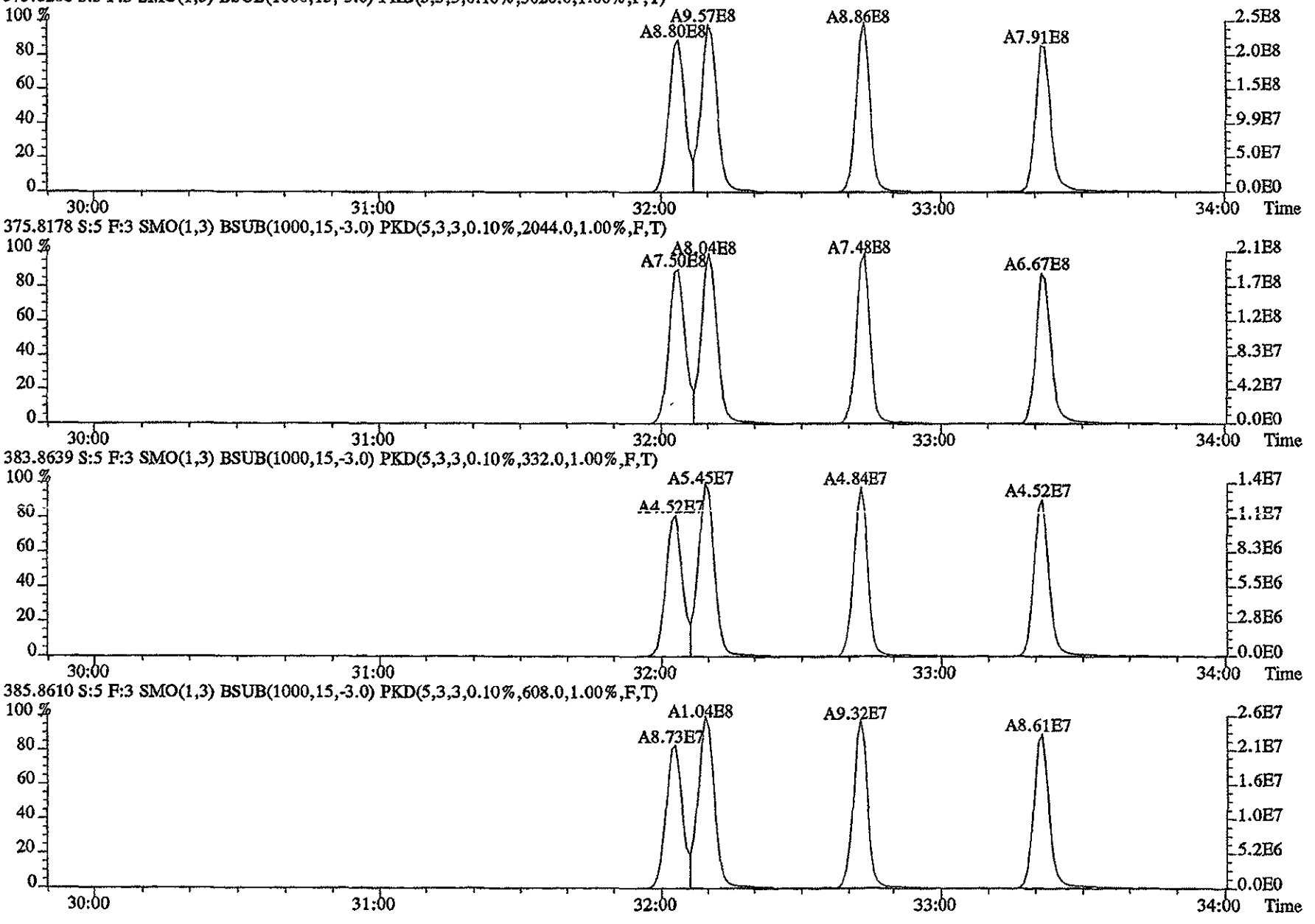
367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,344.0,1.00%,F,T)



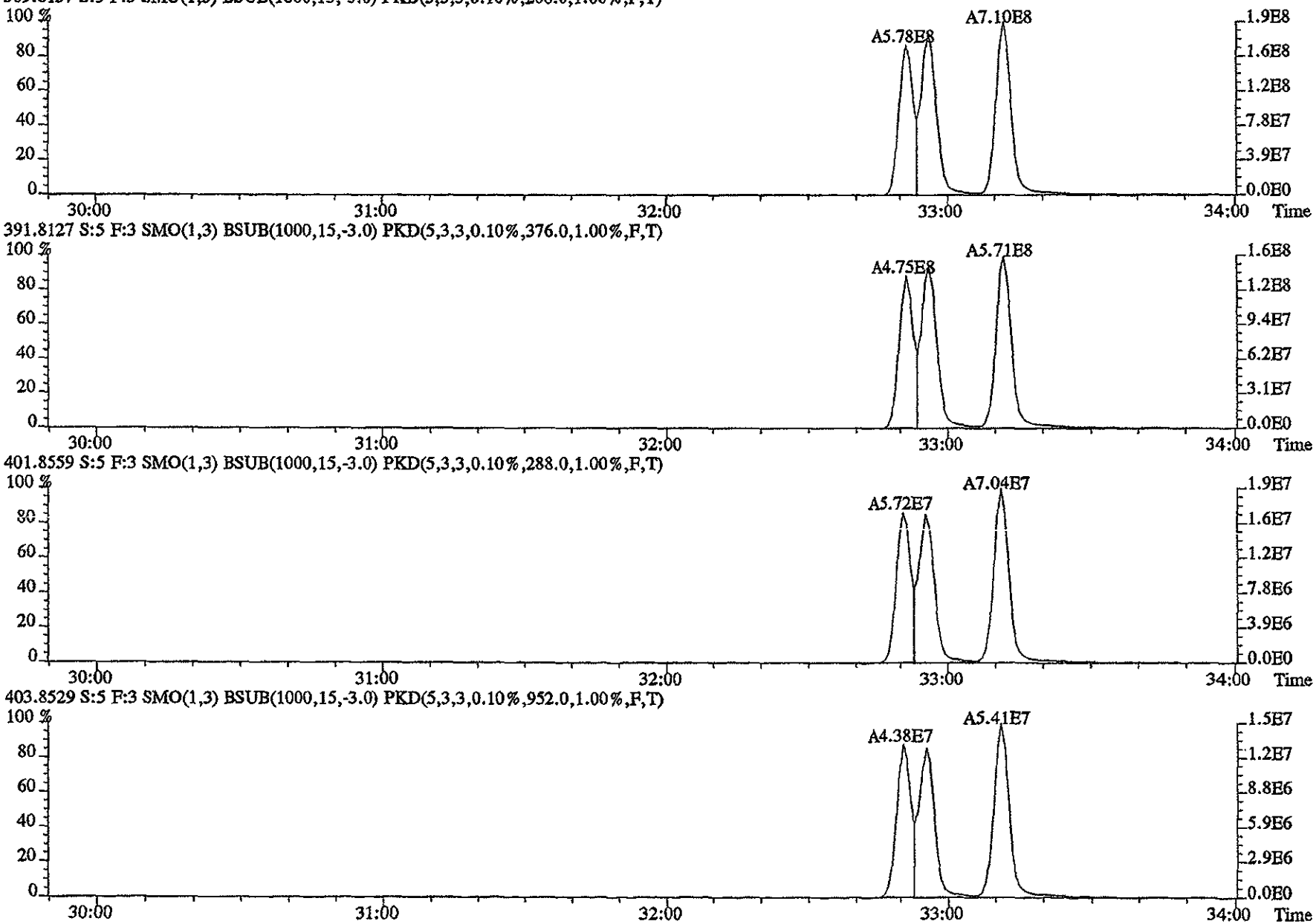
369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,224.0,1.00%,F,T)



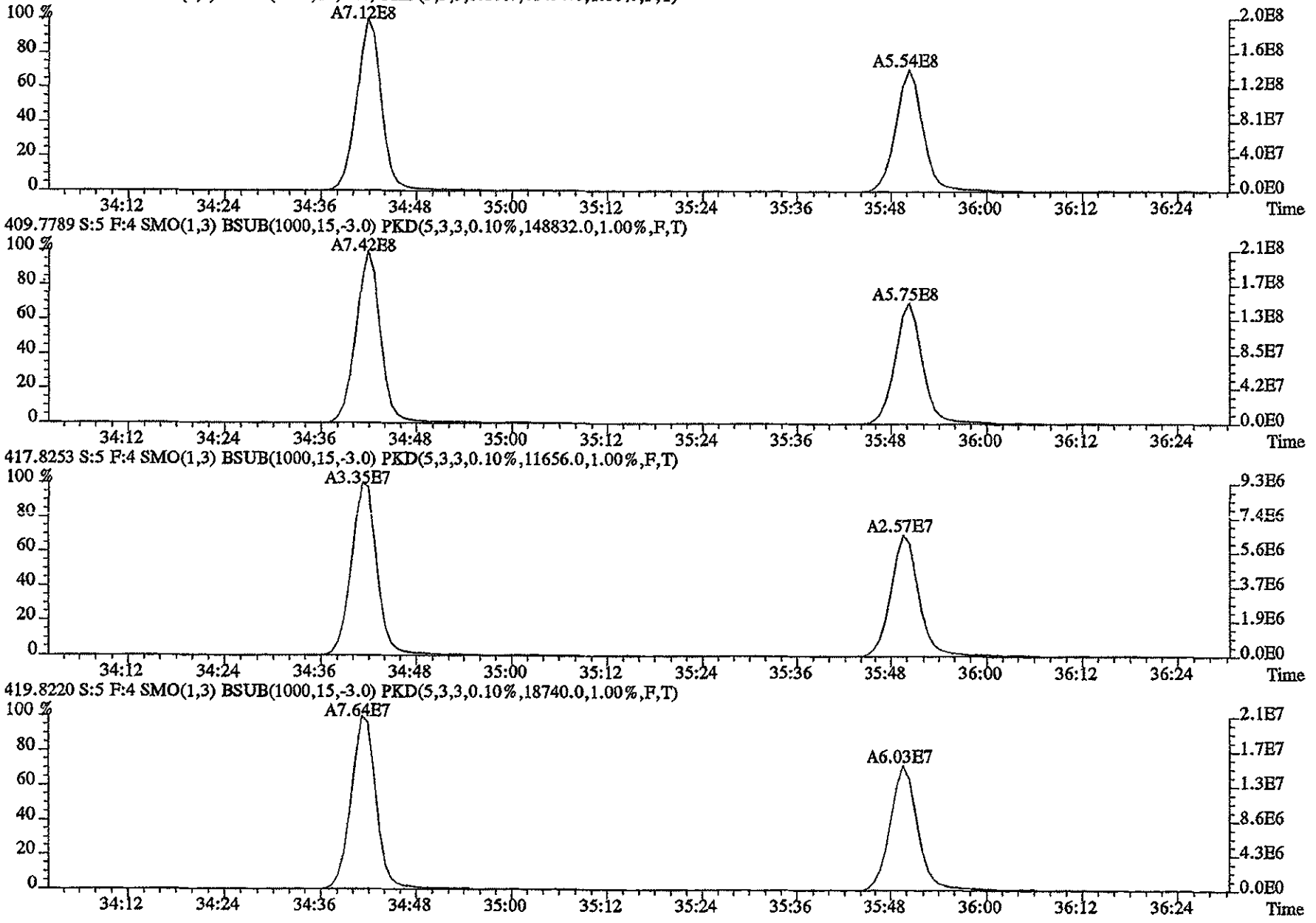
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



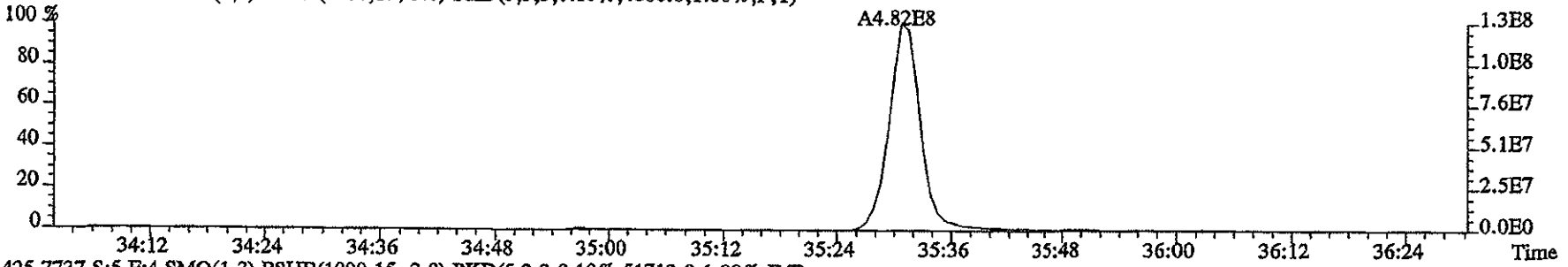
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



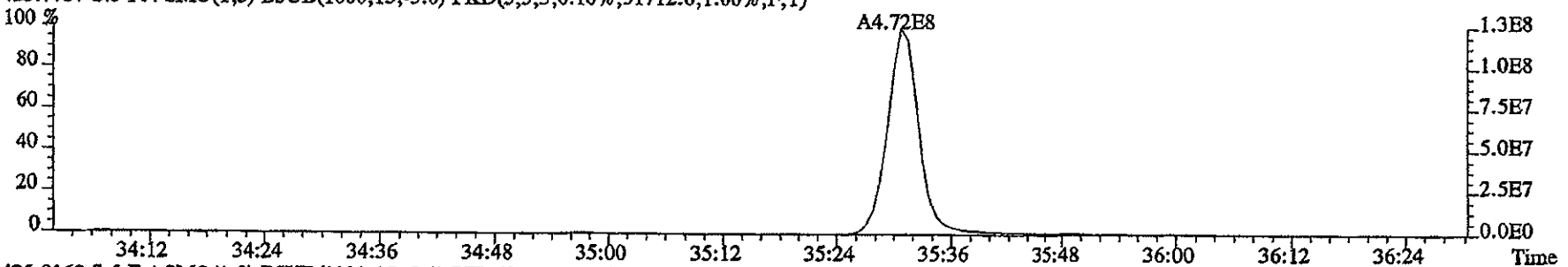
File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



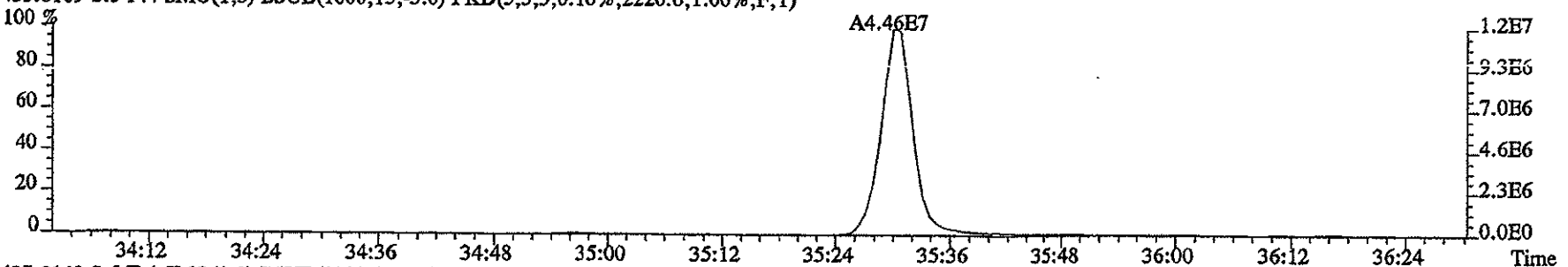
File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4800.0,1.00%,F,T)



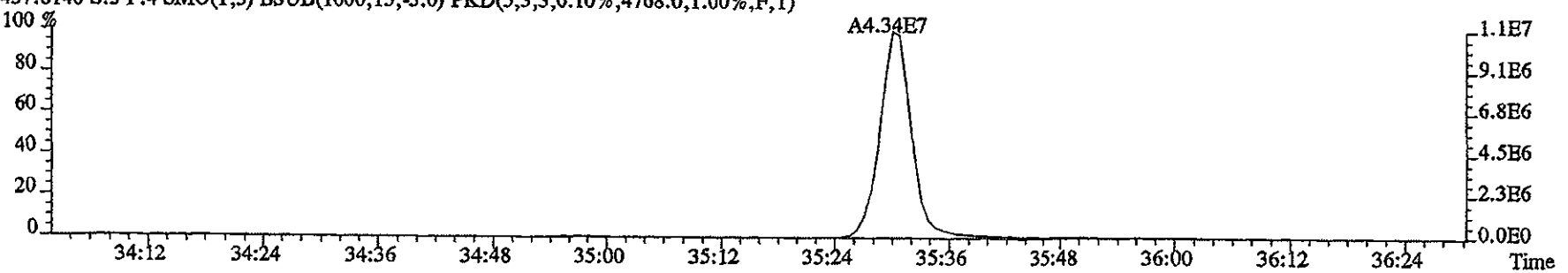
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,51712.0,1.00%,F,T)



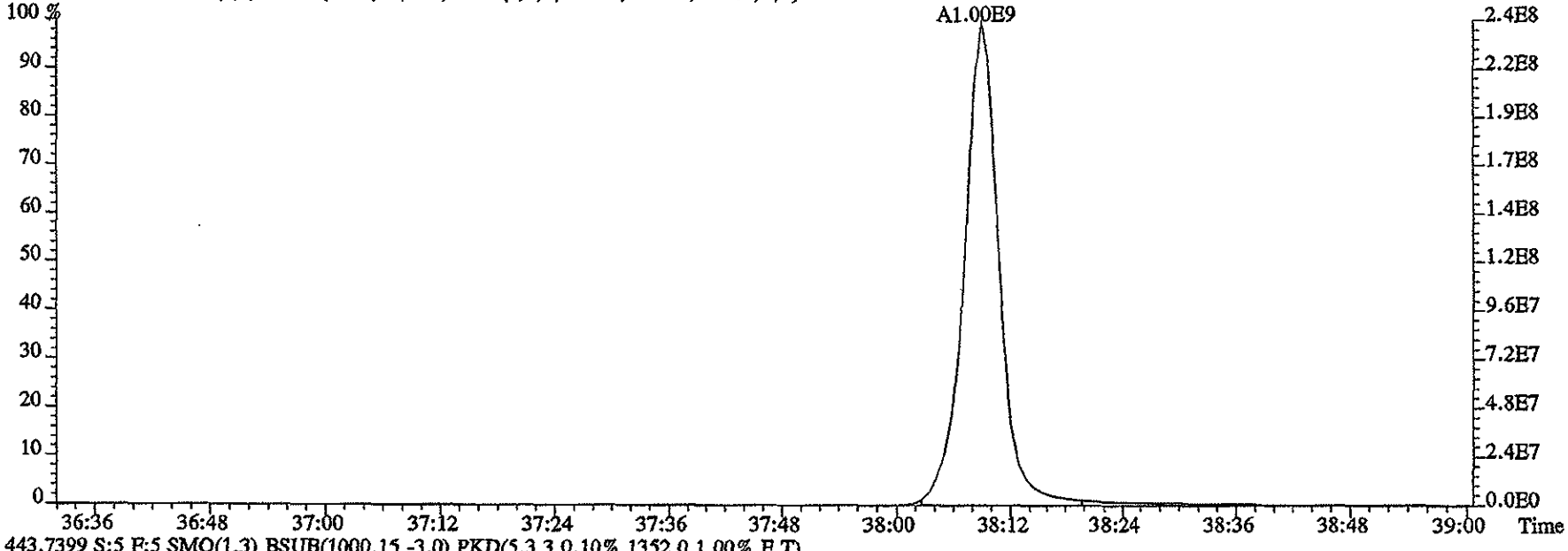
435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2220.0,1.00%,F,T)



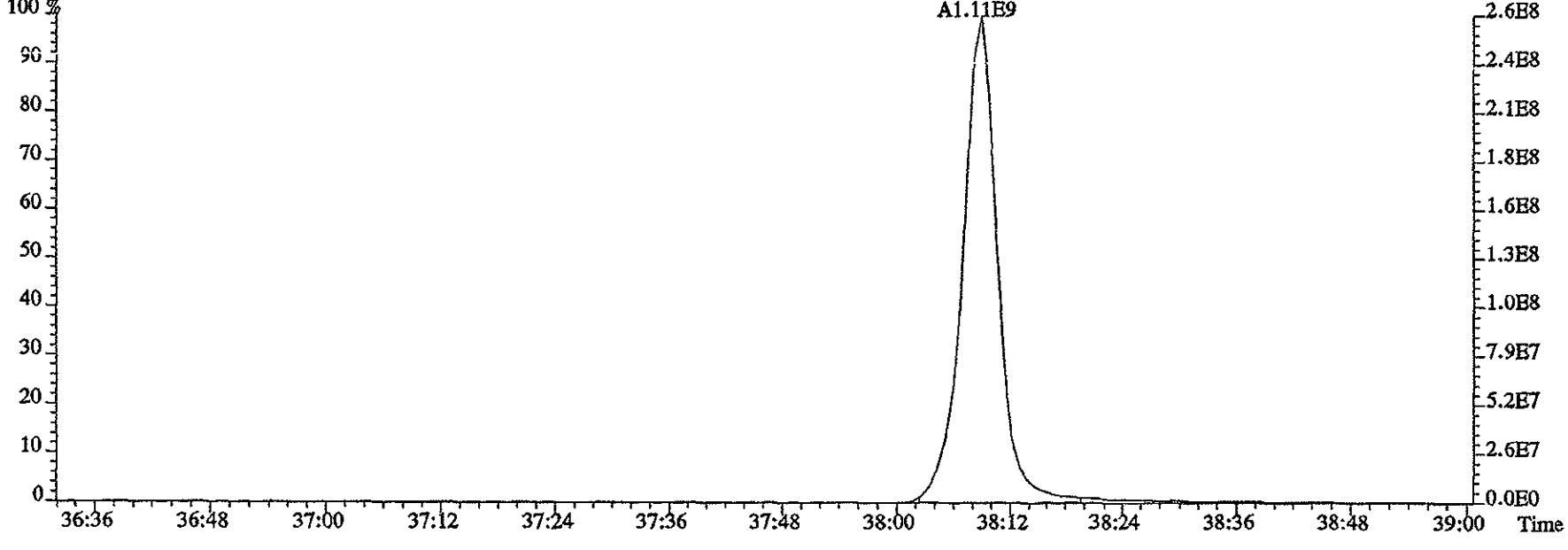
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4768.0,1.00%,F,T)



File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)

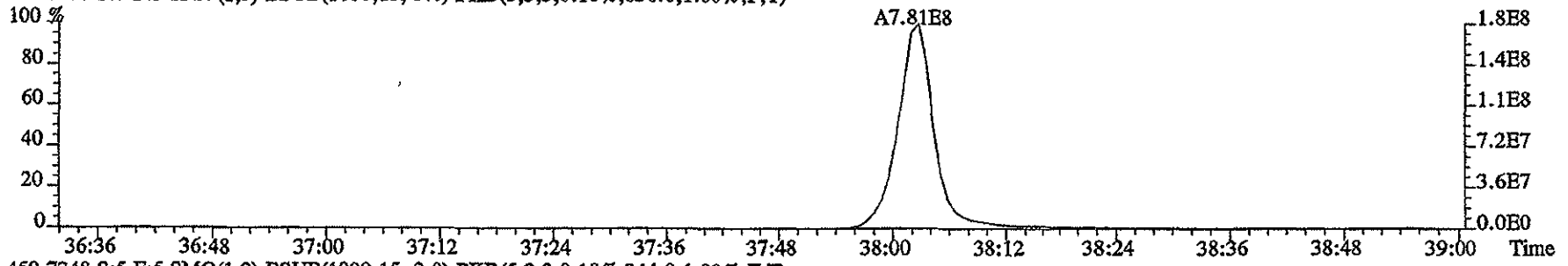


443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1352.0,1.00%,F,T)

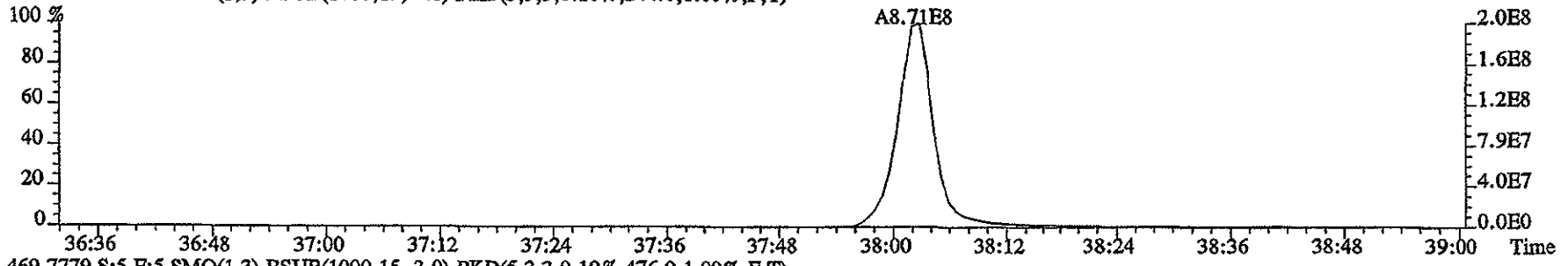


File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

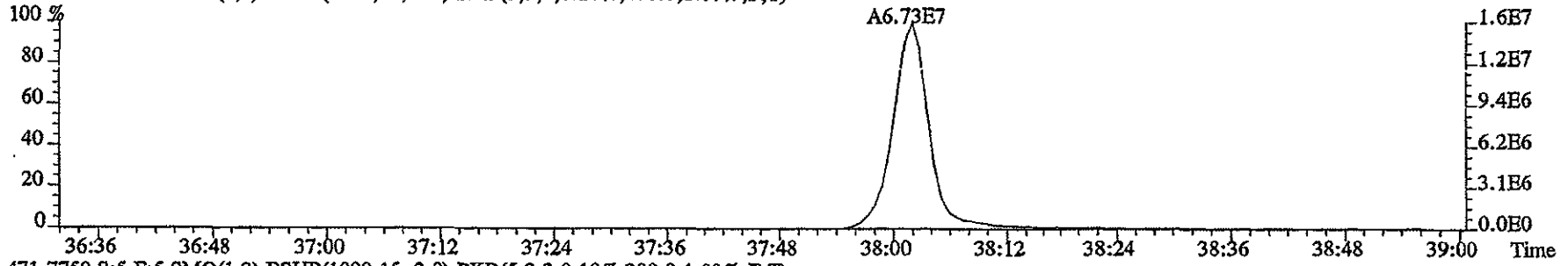
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,836.0,1.00%,F,T)



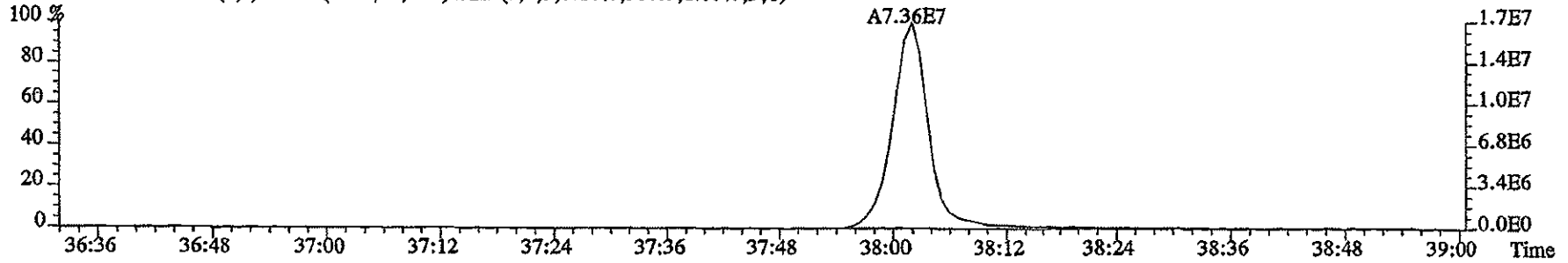
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,244.0,1.00%,F,T)



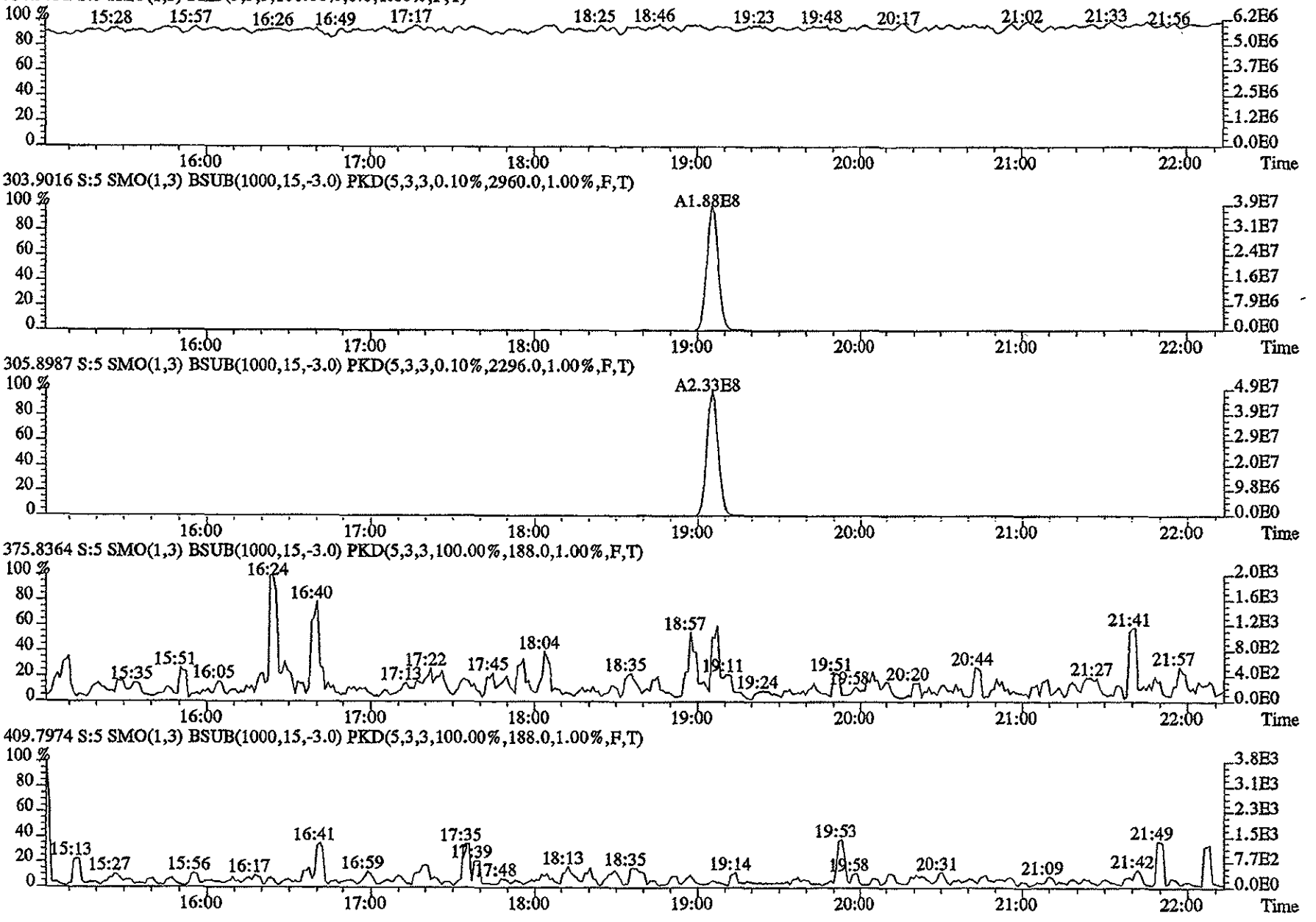
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,476.0,1.00%,F,T)

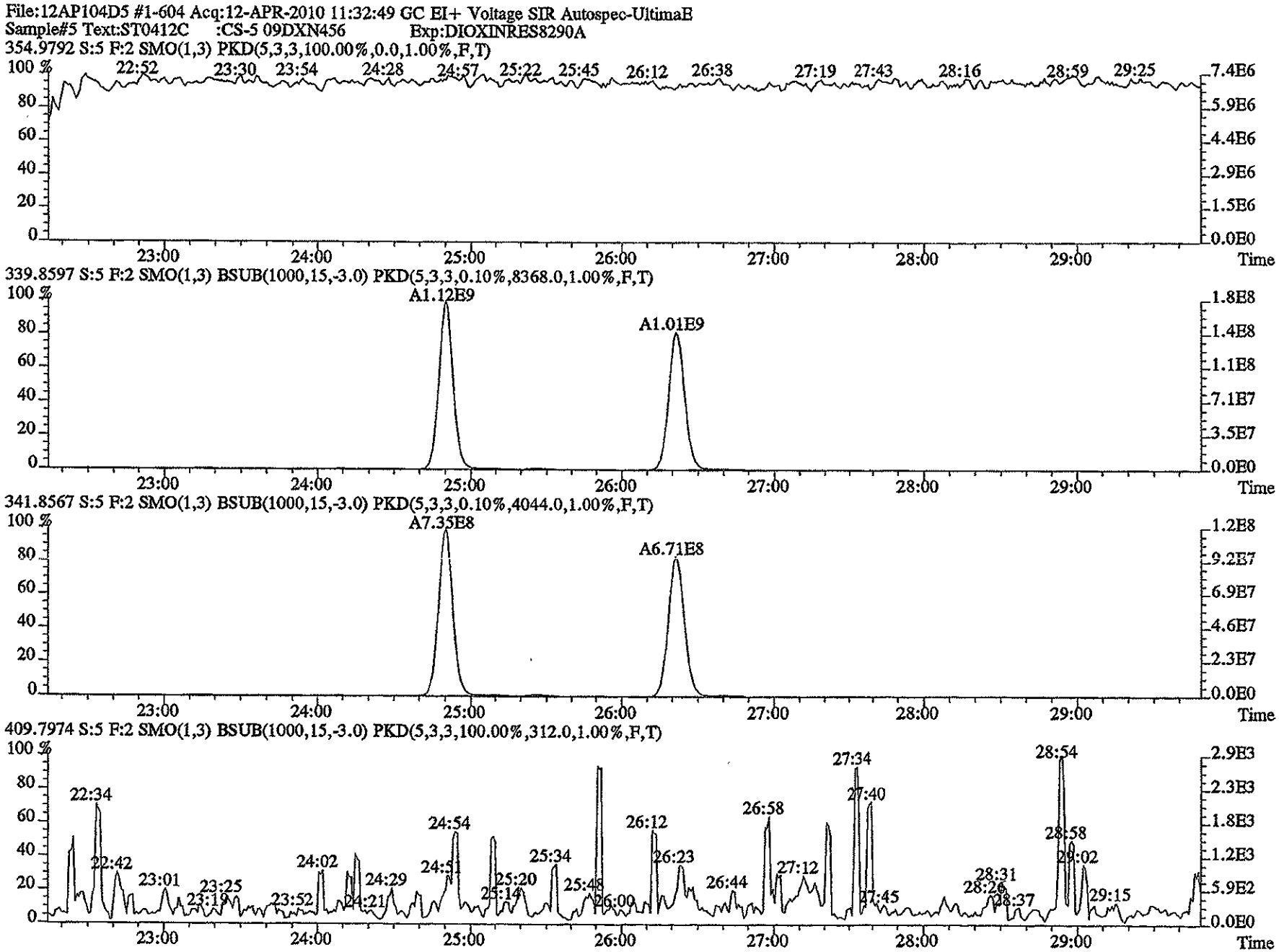


471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,380.0,1.00%,F,T)

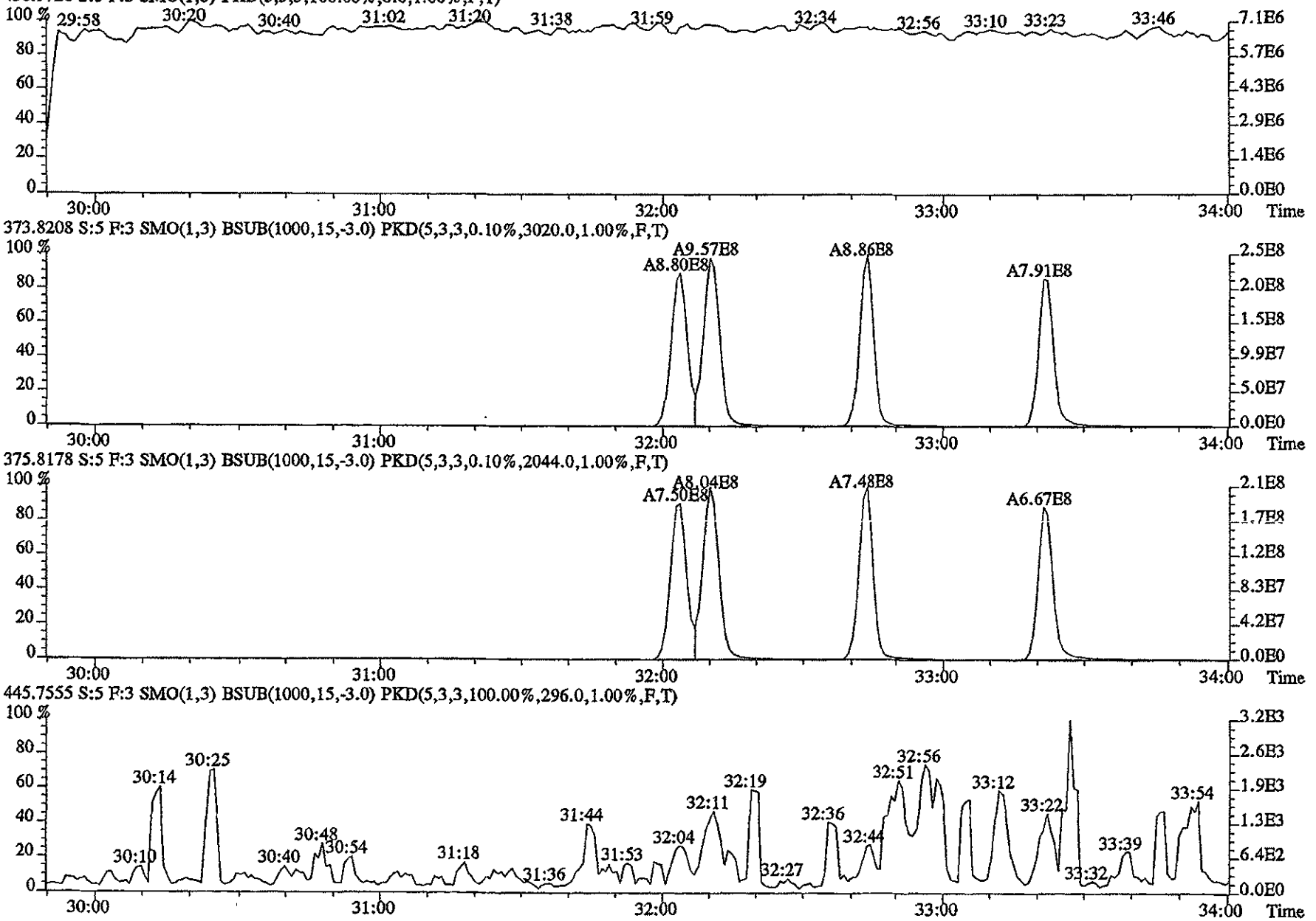


File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

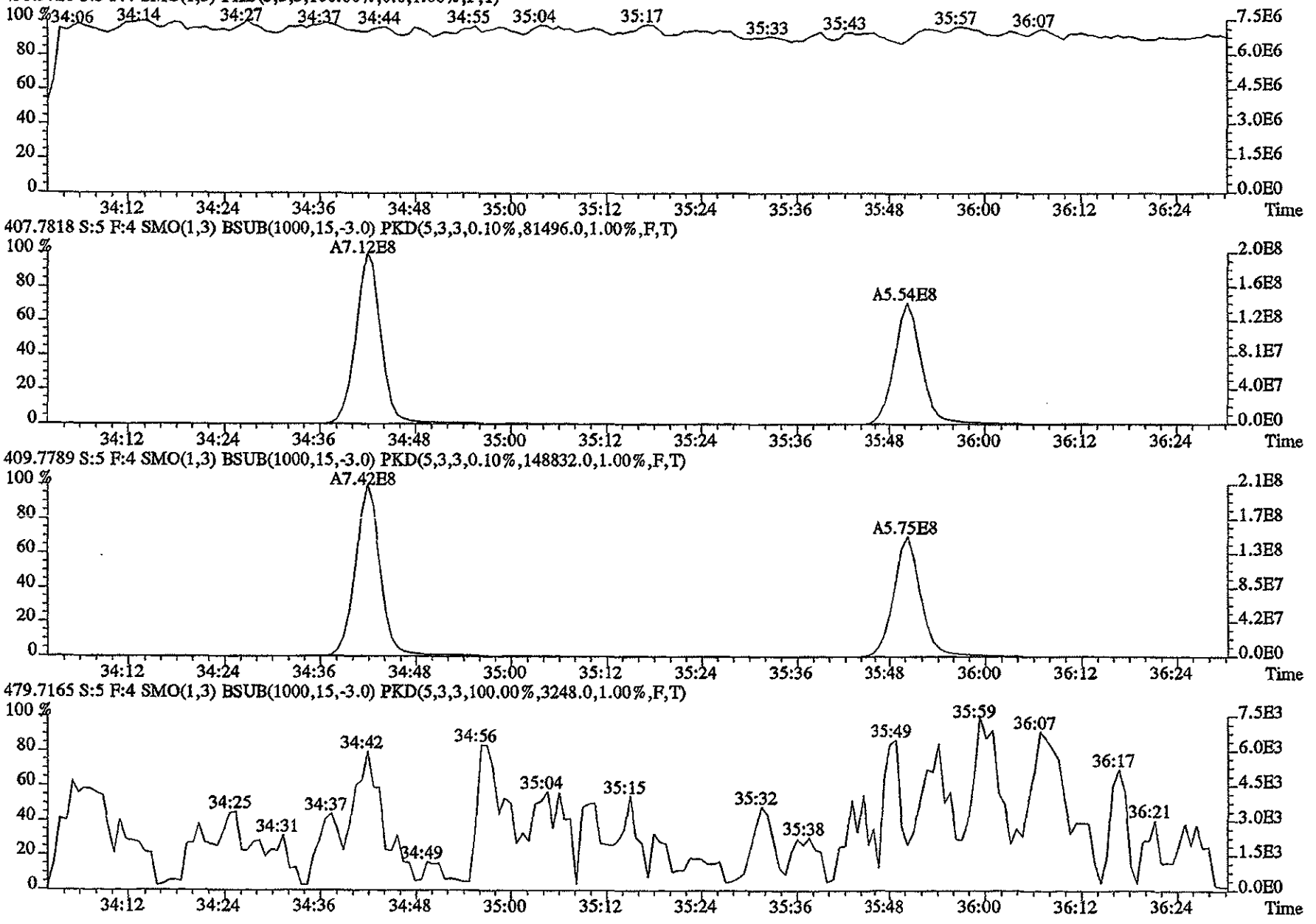




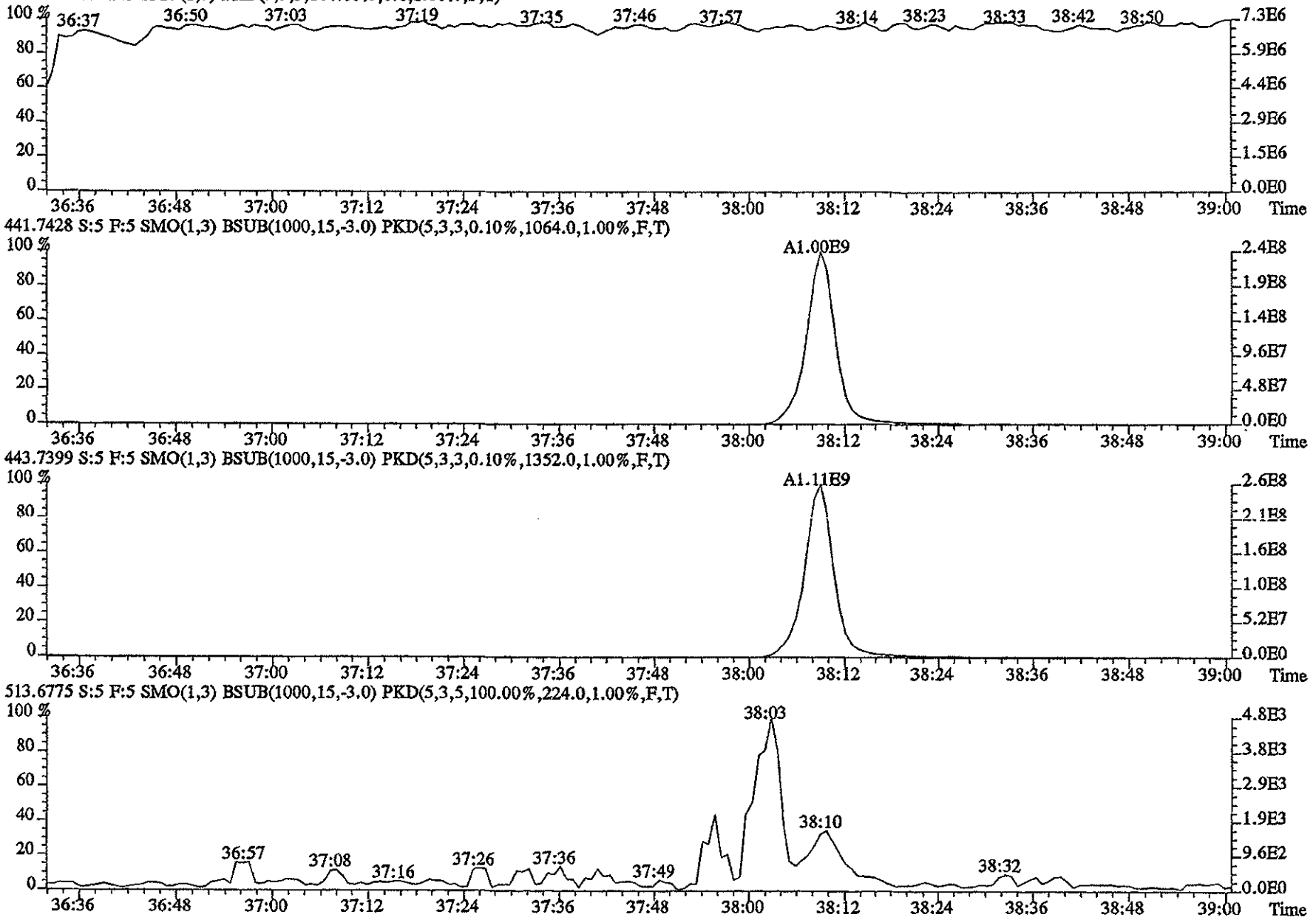
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

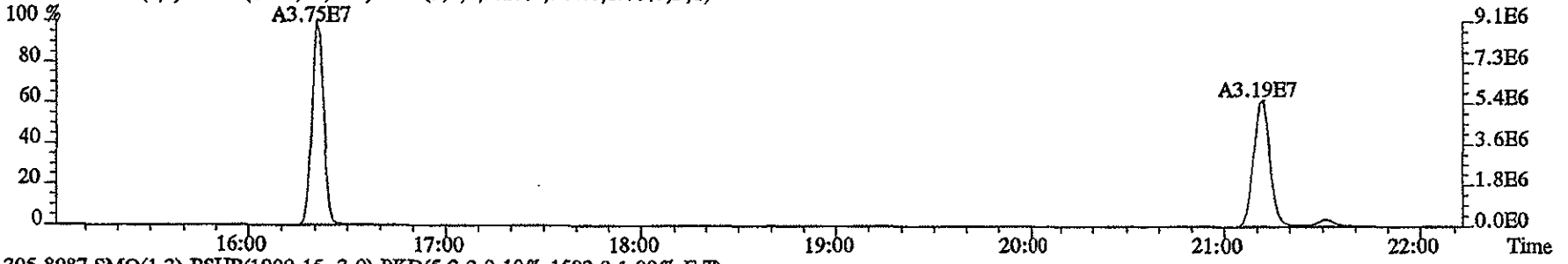


File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

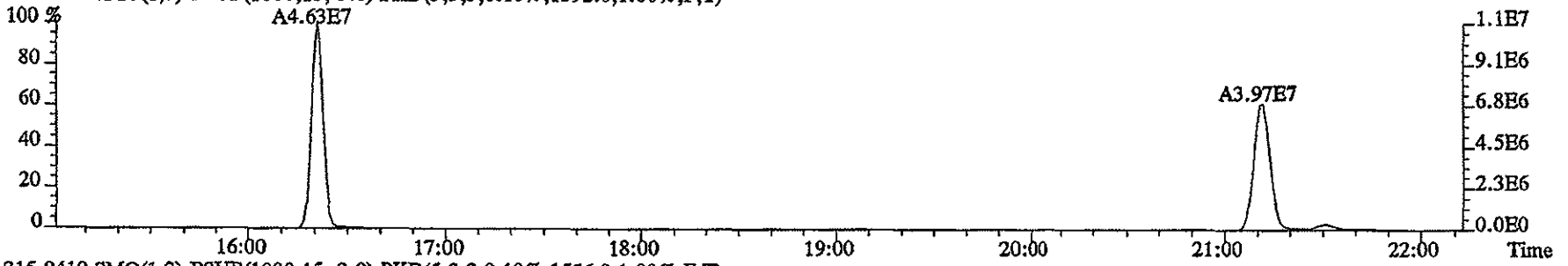


File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

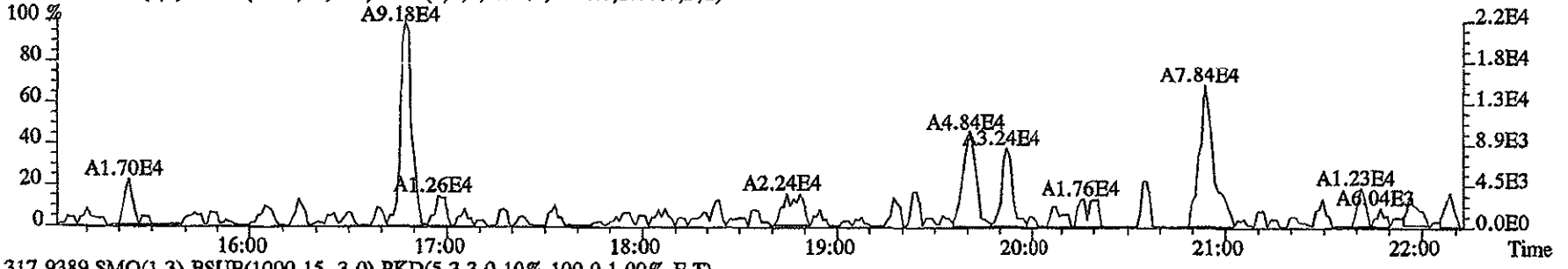
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,944.0,1.00%,F,T)



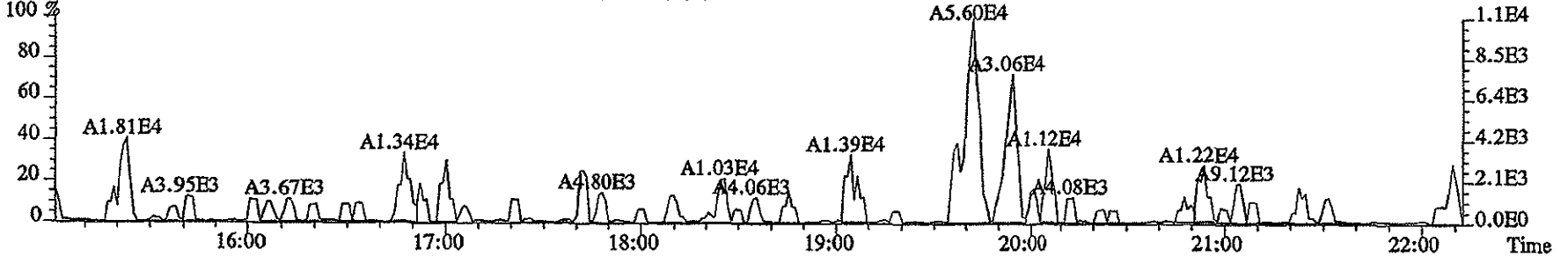
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)



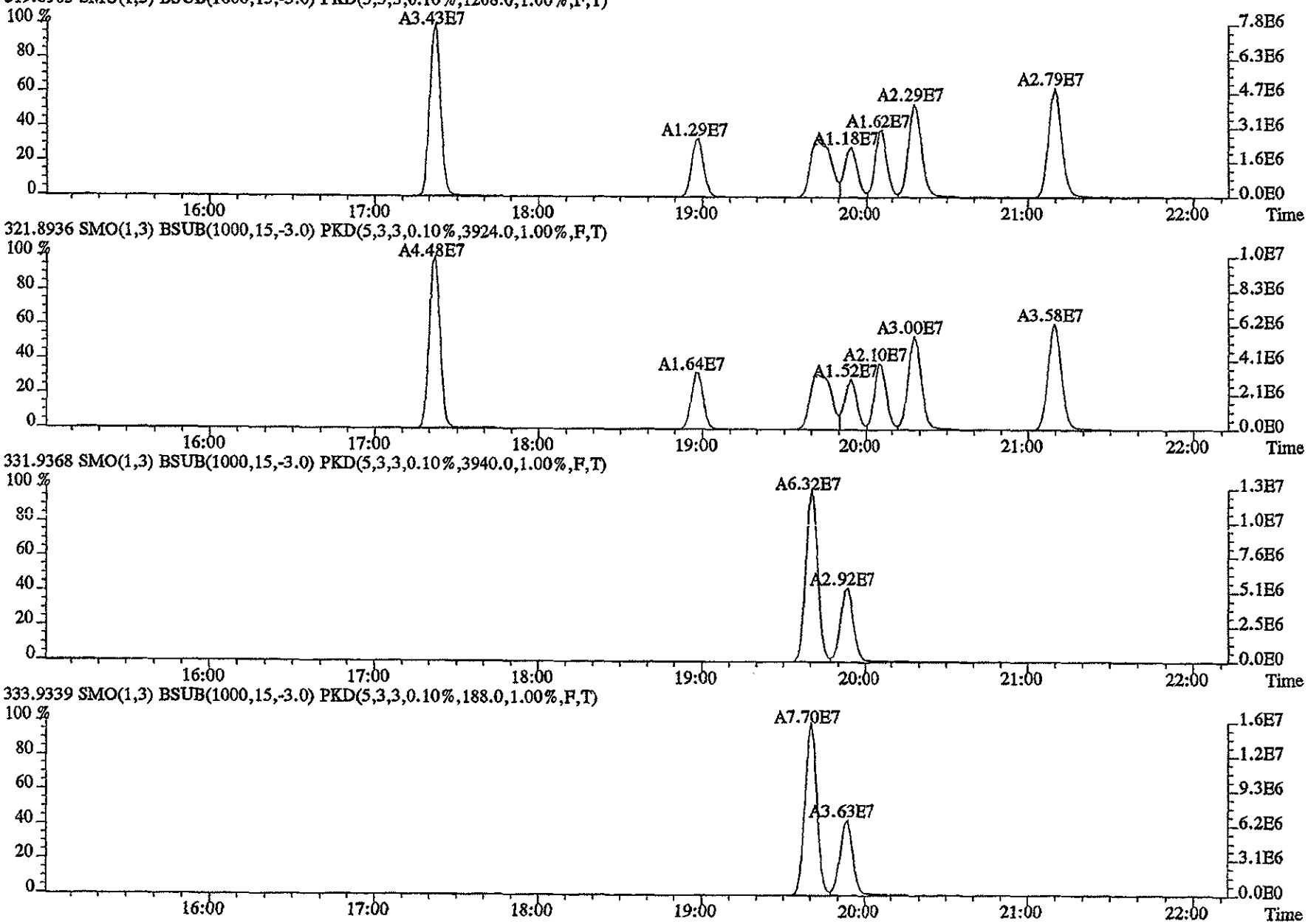
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1556.0,1.00%,F,T)



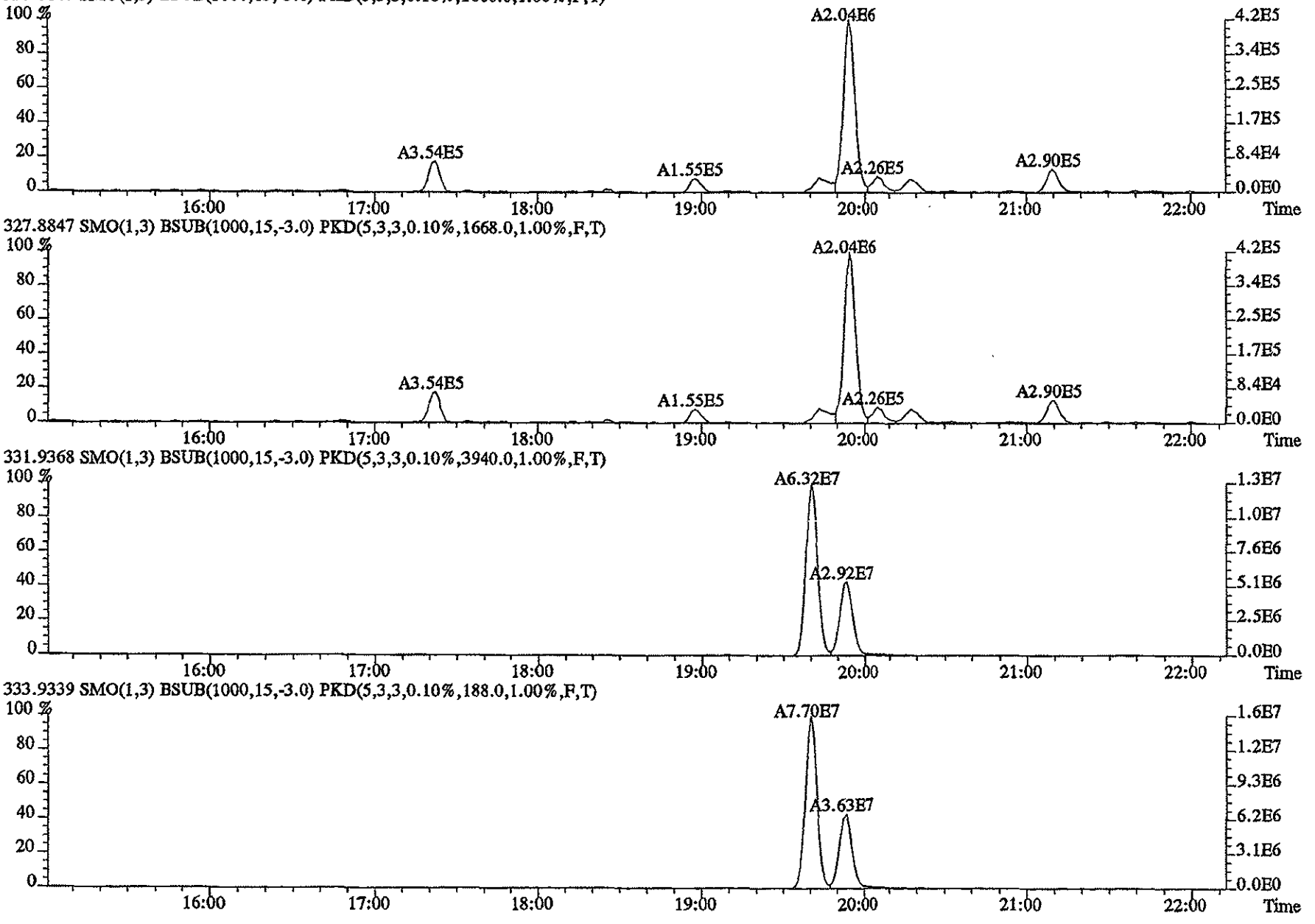
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)



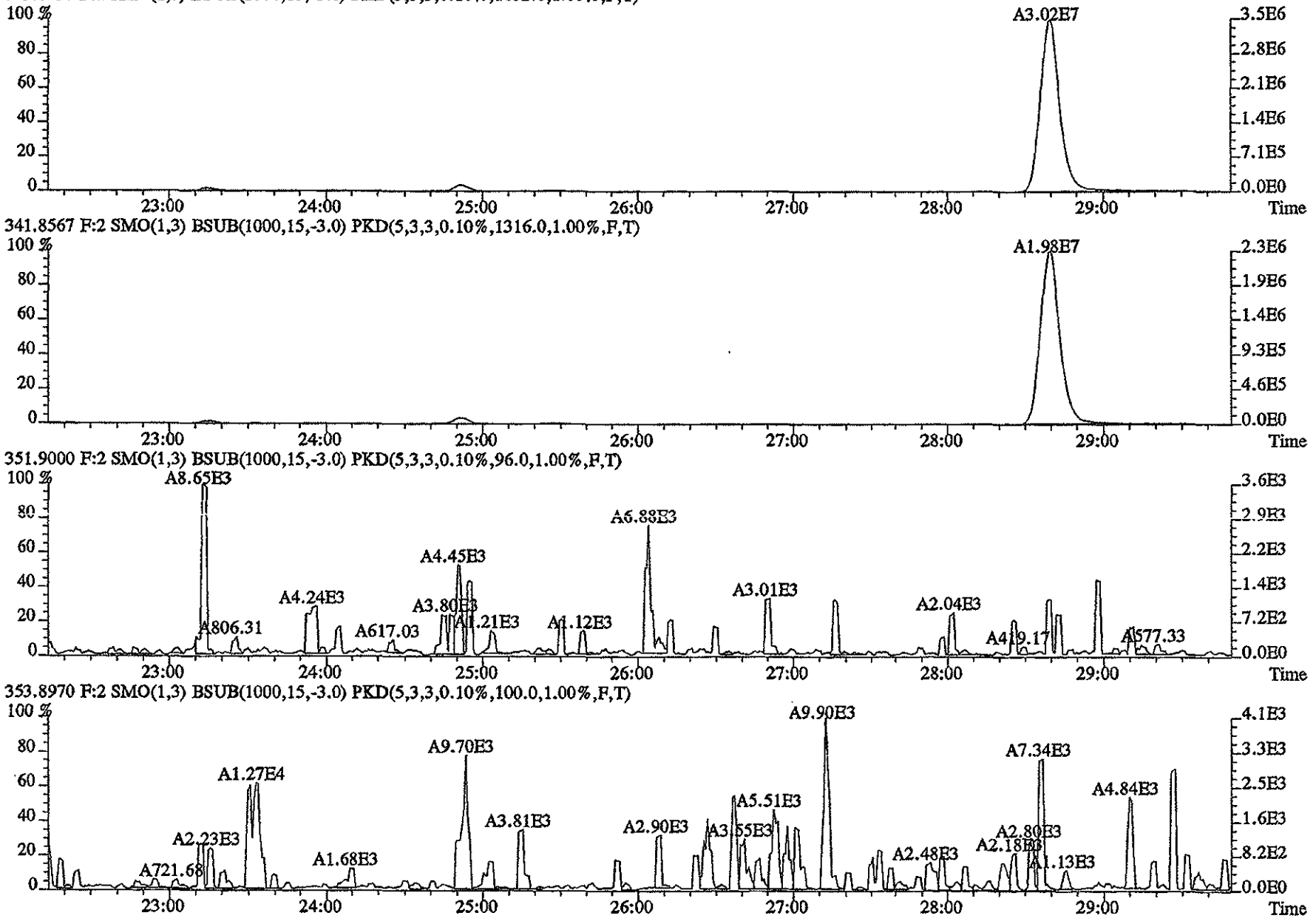
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A



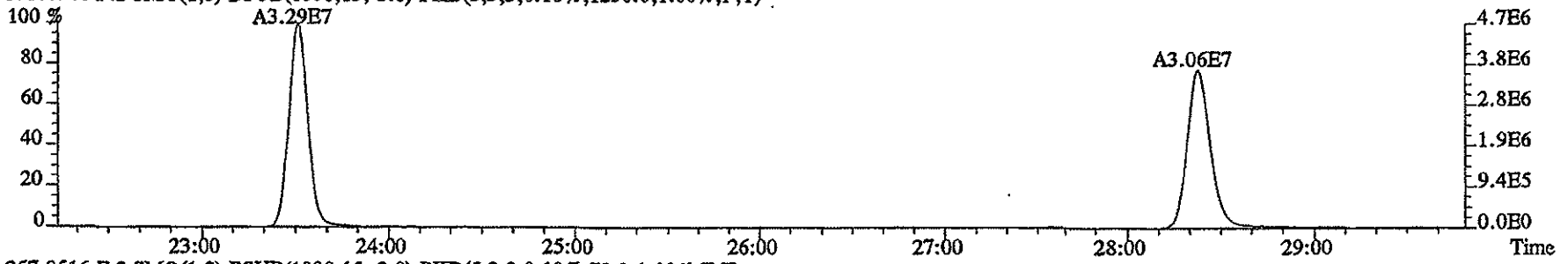
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

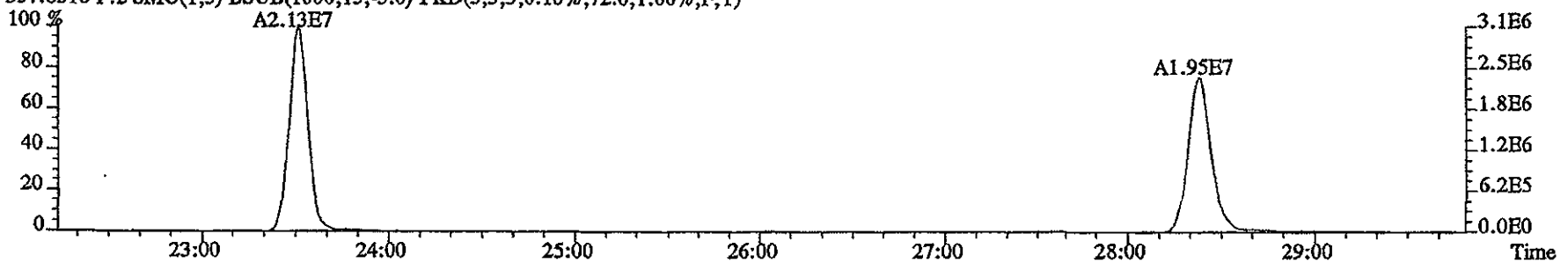


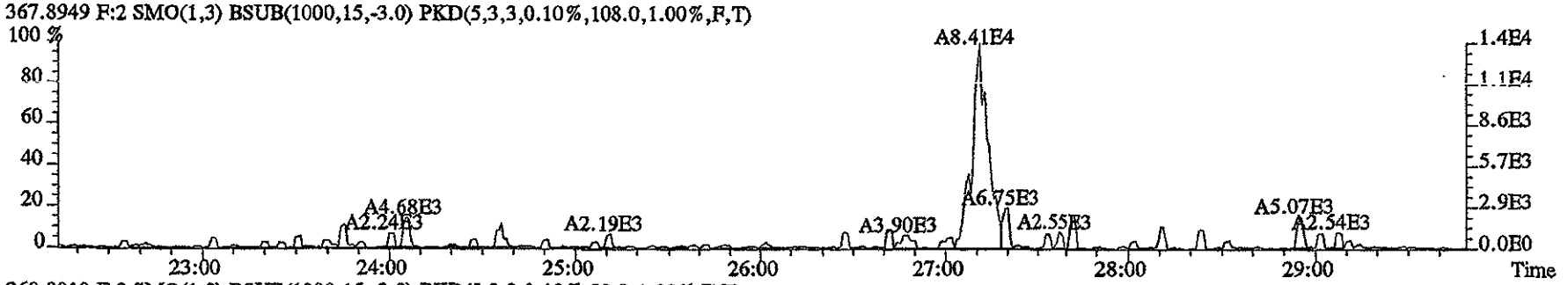
File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

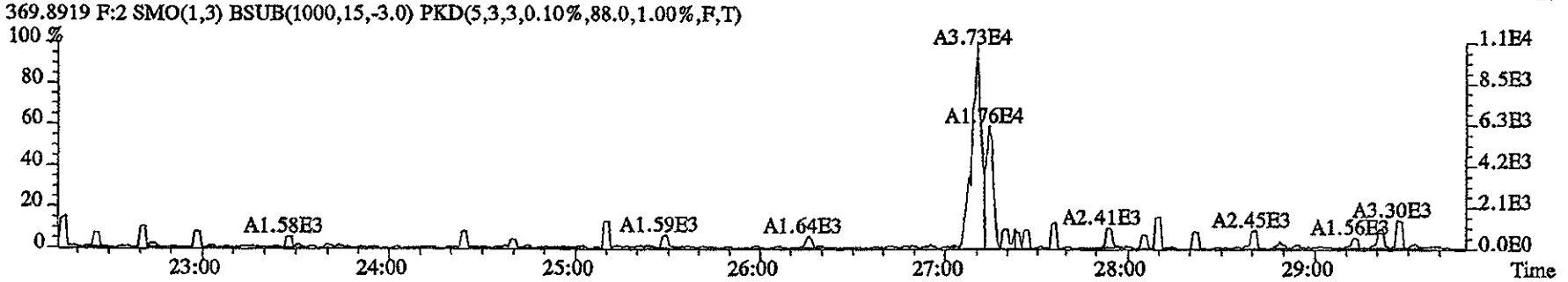


File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

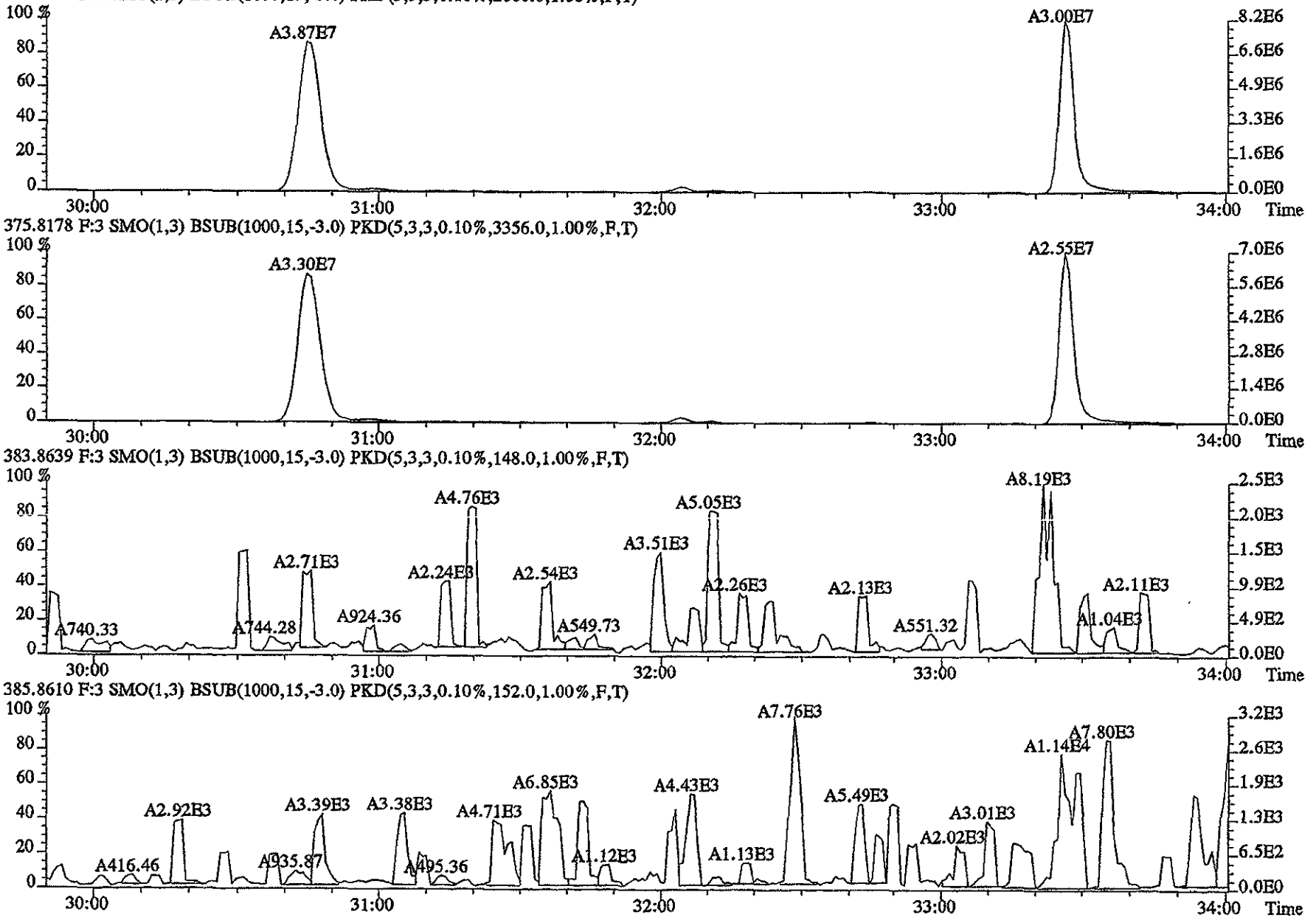


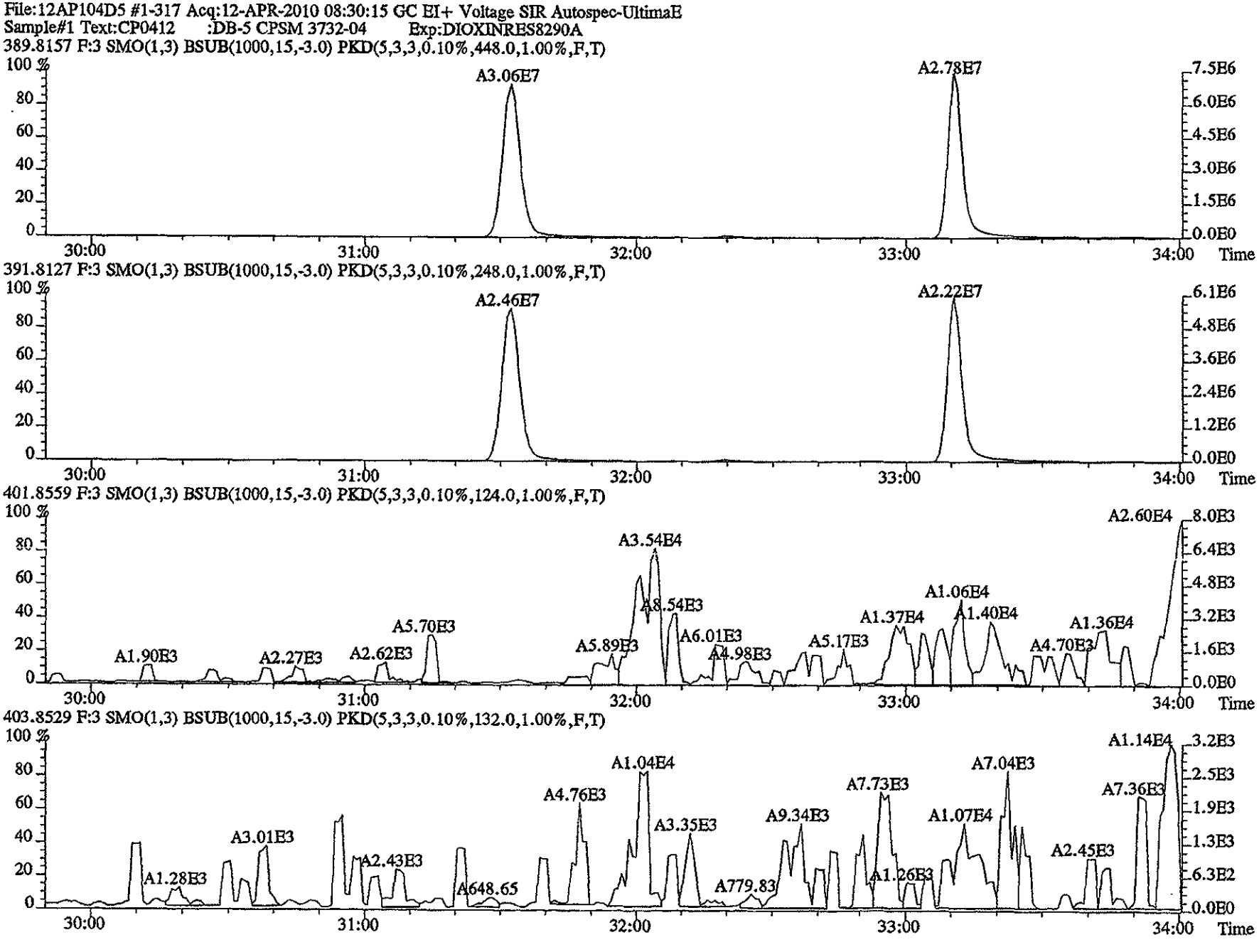


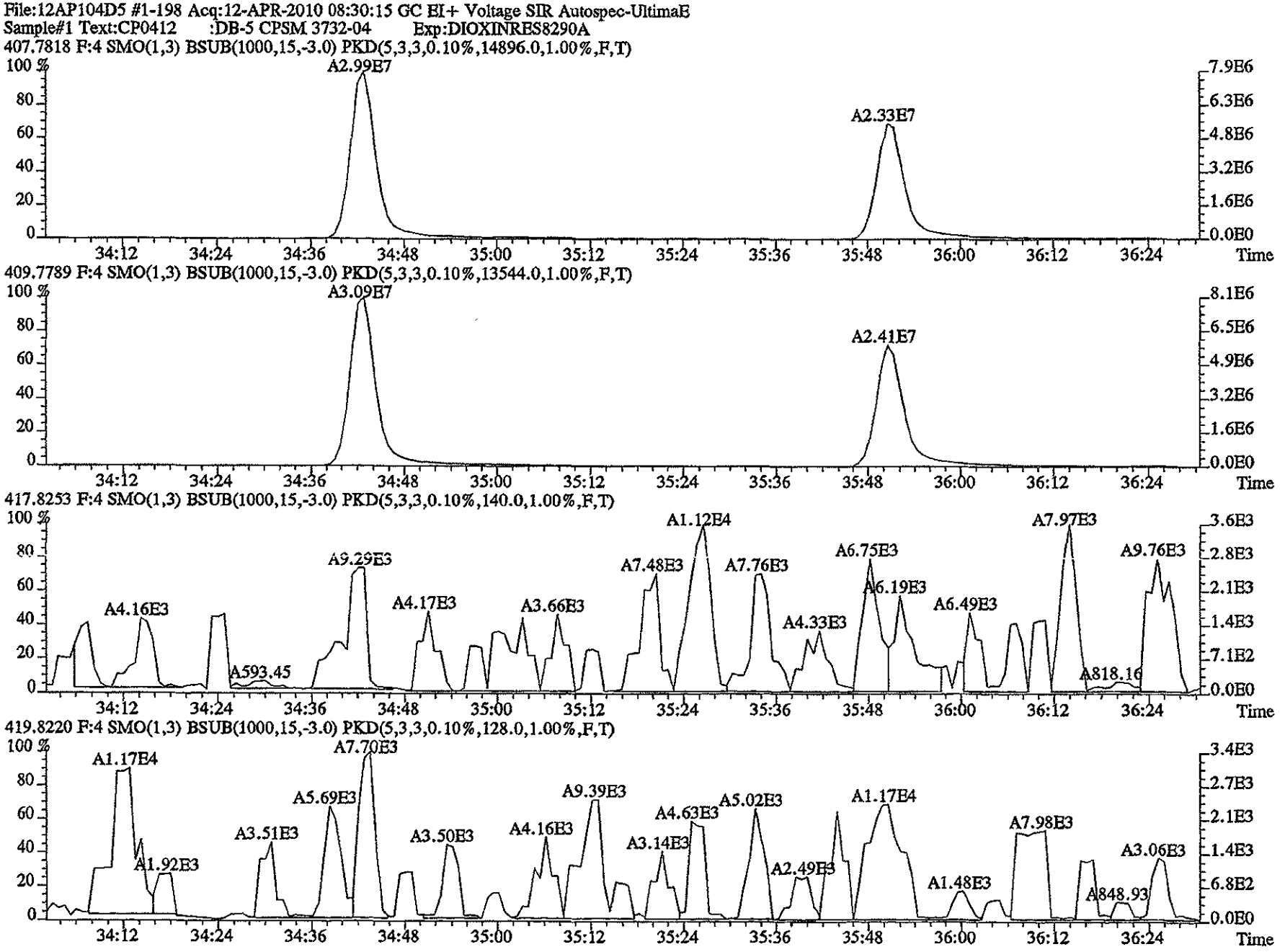


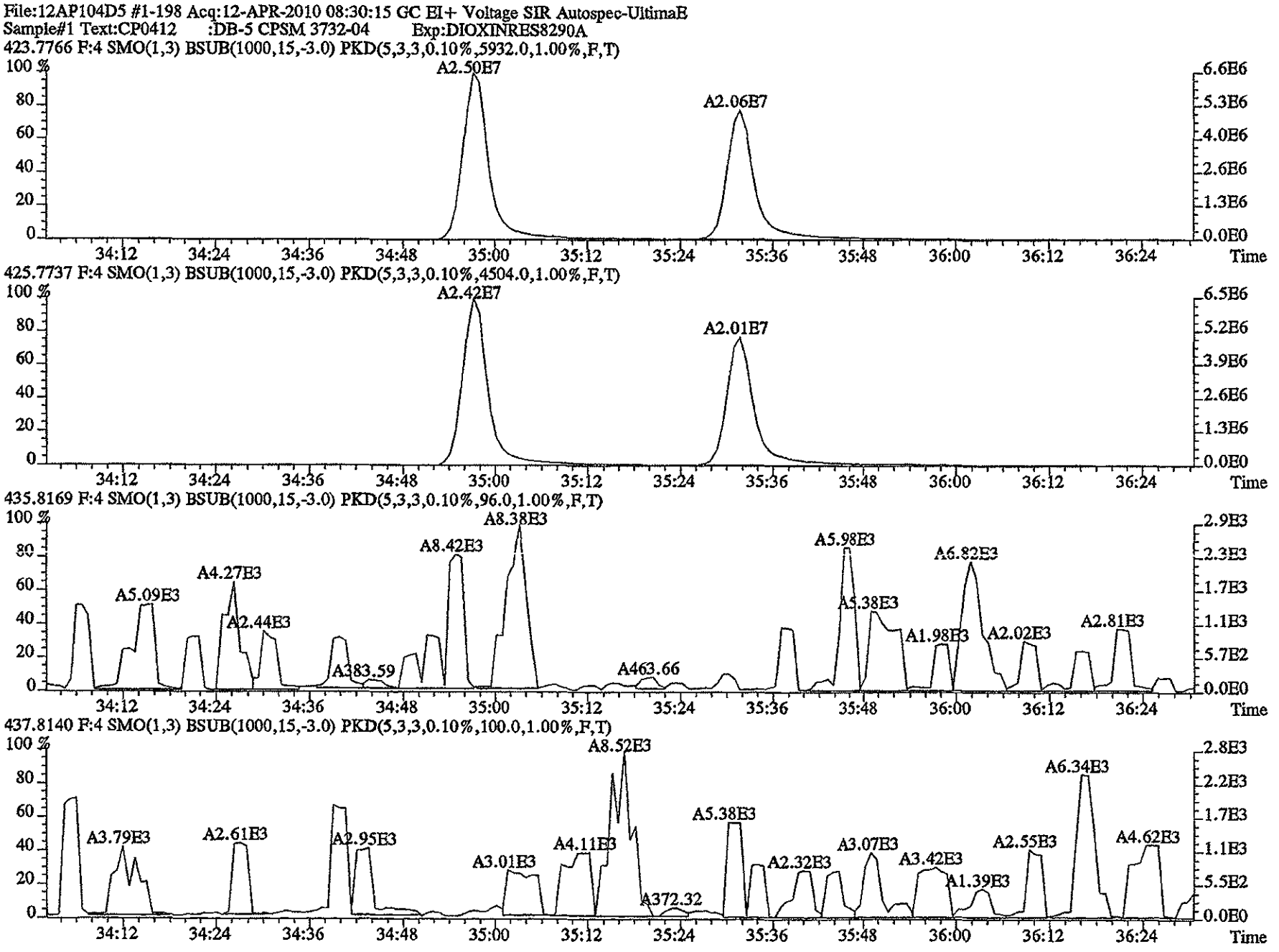


File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

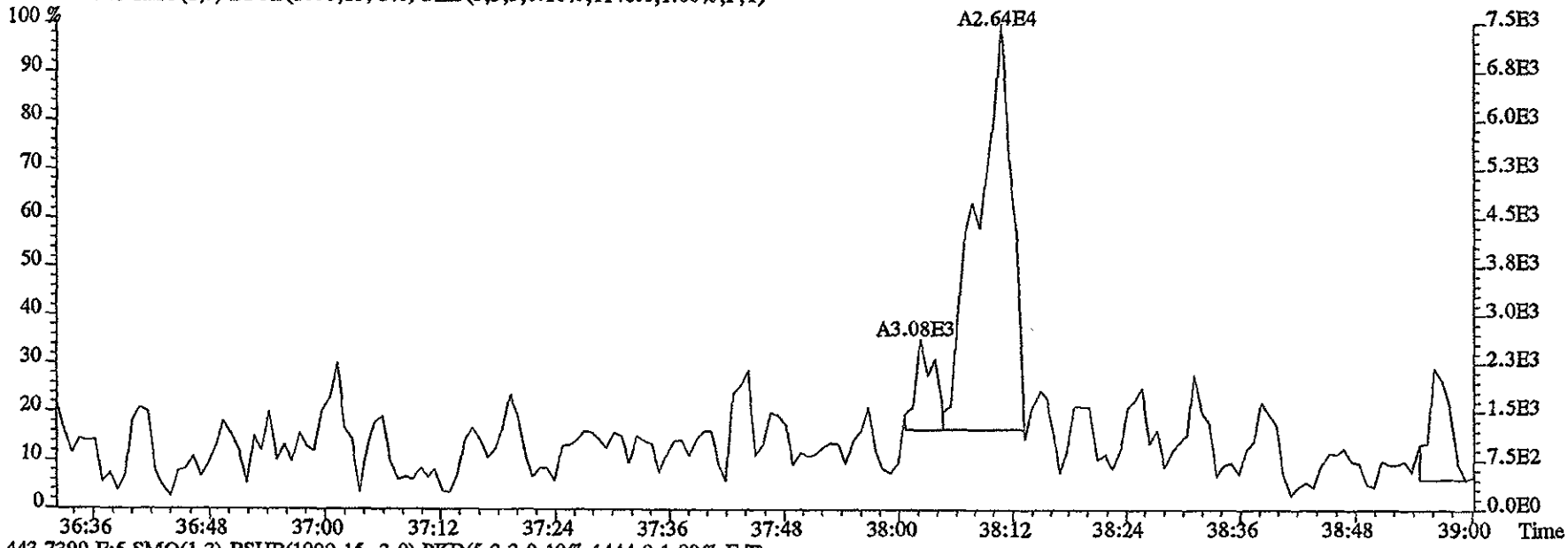




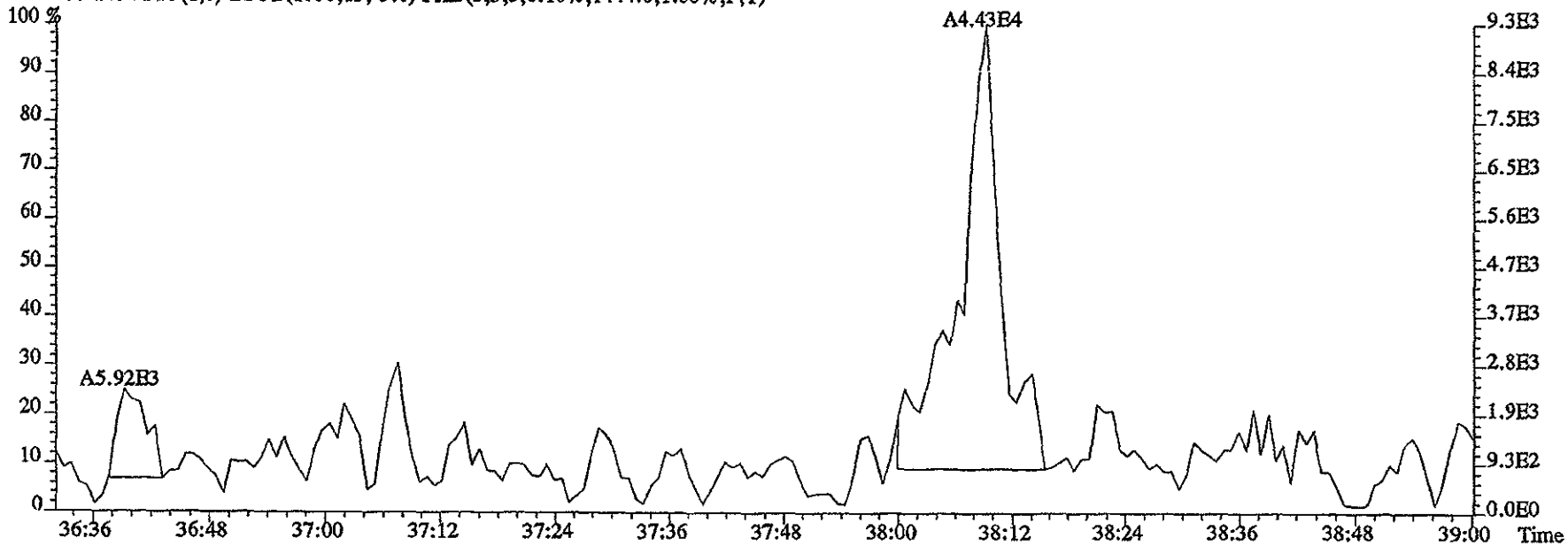



File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5932.0,1.00%,F,T)
A2.50E7
A2.06E7
425.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)
A2.42E7
A2.01E7
435.8169 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)
A8.38E3
A8.42E3
A5.98E3
A6.82E3
A4.27E3
A5.09E3
A5.38E3
A2.44E3
A1.98E3
A2.02E3
A2.81E3
A383.59
A463.66
437.8140 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)
A8.52E3
A6.34E3
A5.38E3
A3.79E3
A2.61E3
A2.95E3
A4.11E3
A3.01E3
A2.32E3
A3.07E3
A3.42E3
A2.55E3
A4.62E3
A1.39E3
A372.32
Time

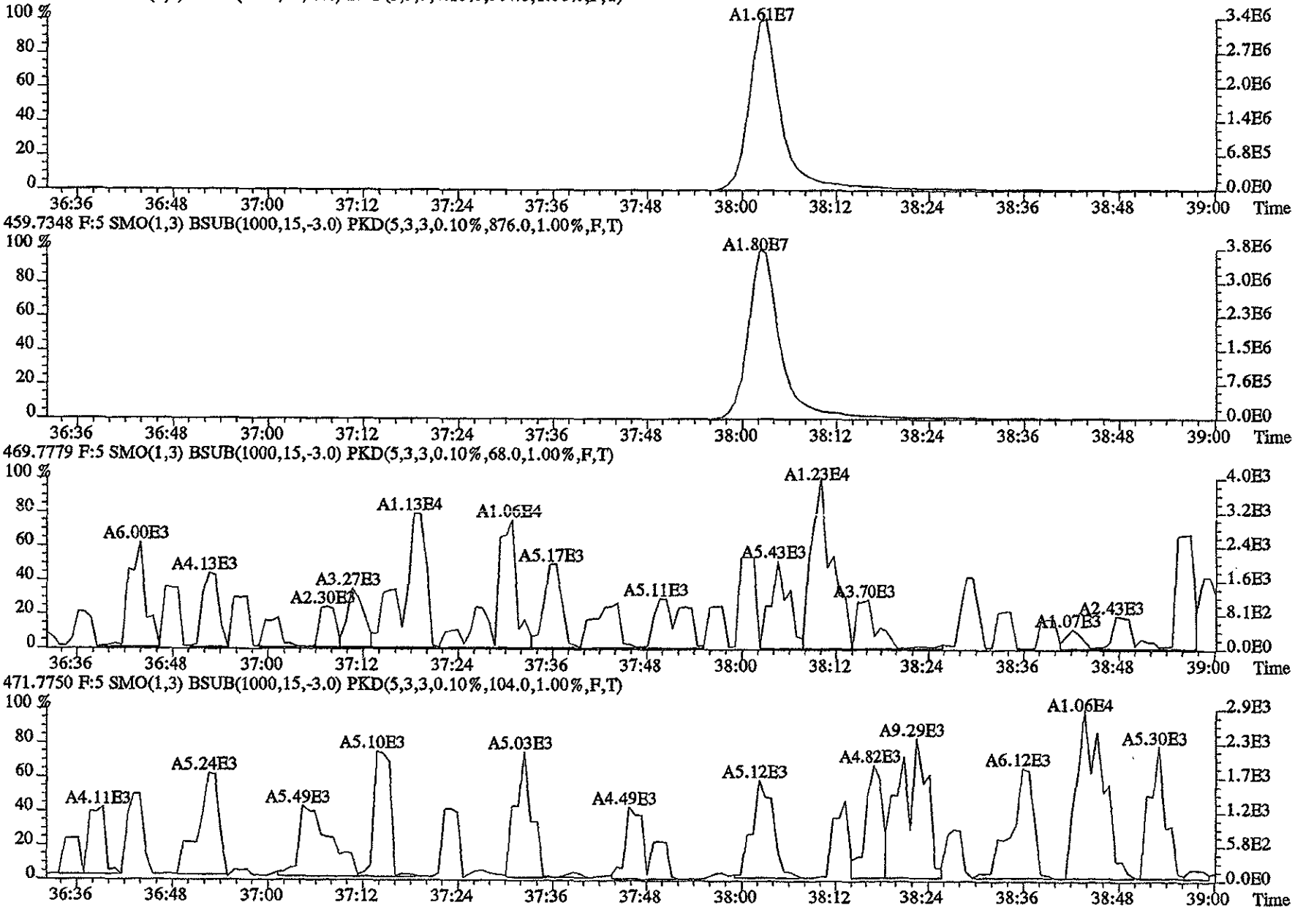
File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1148.0,1.00%,F,T)



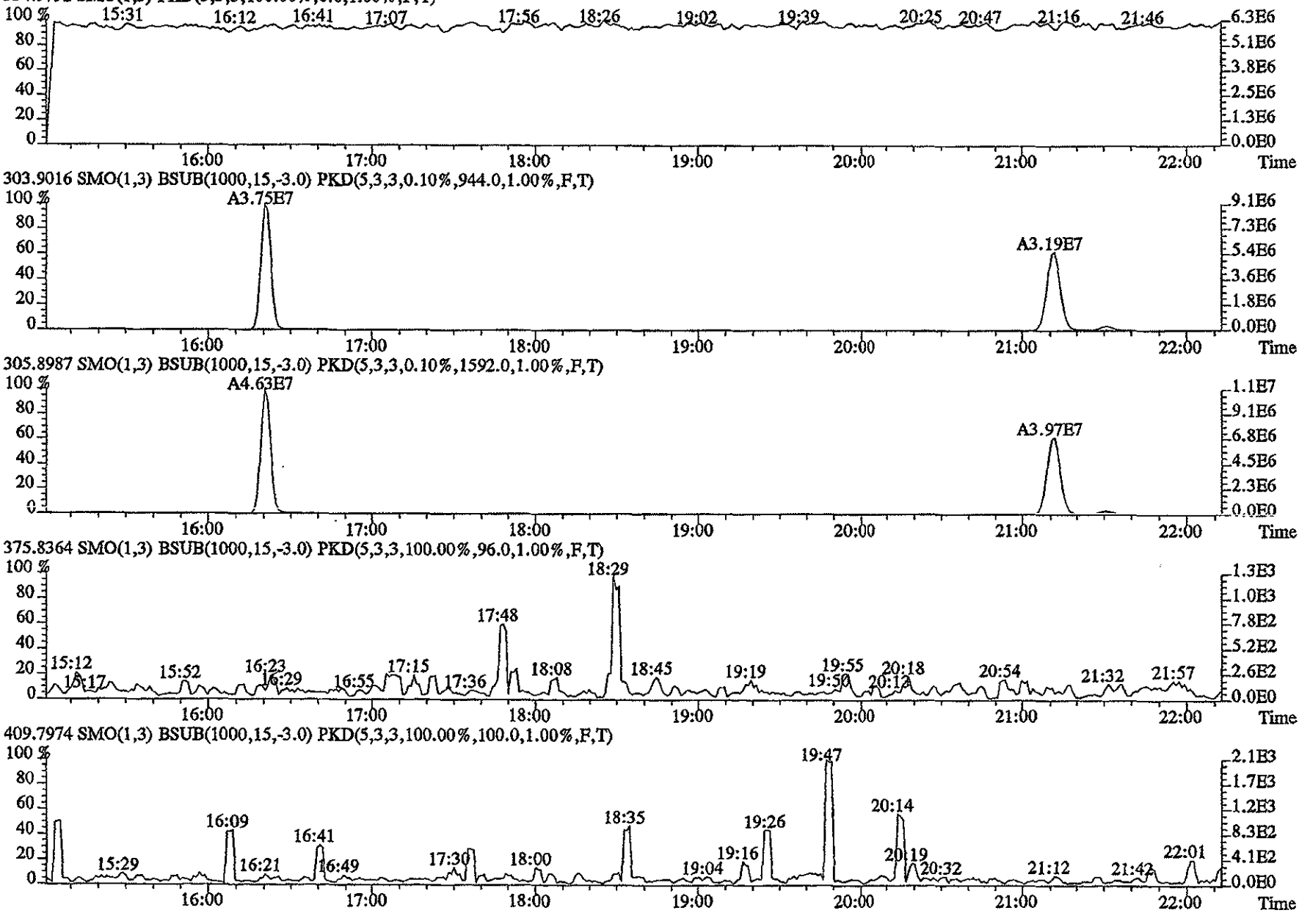
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)

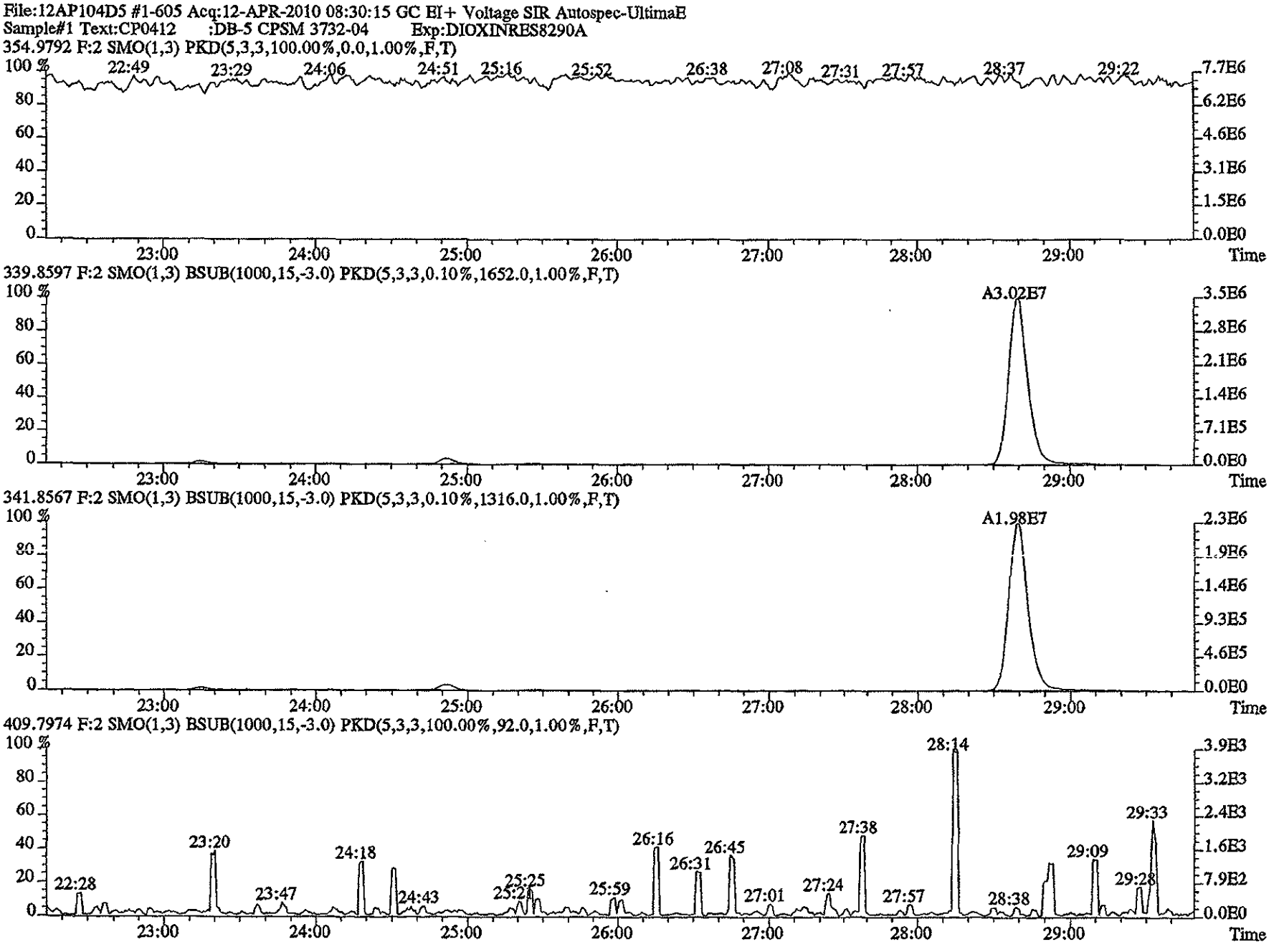


File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

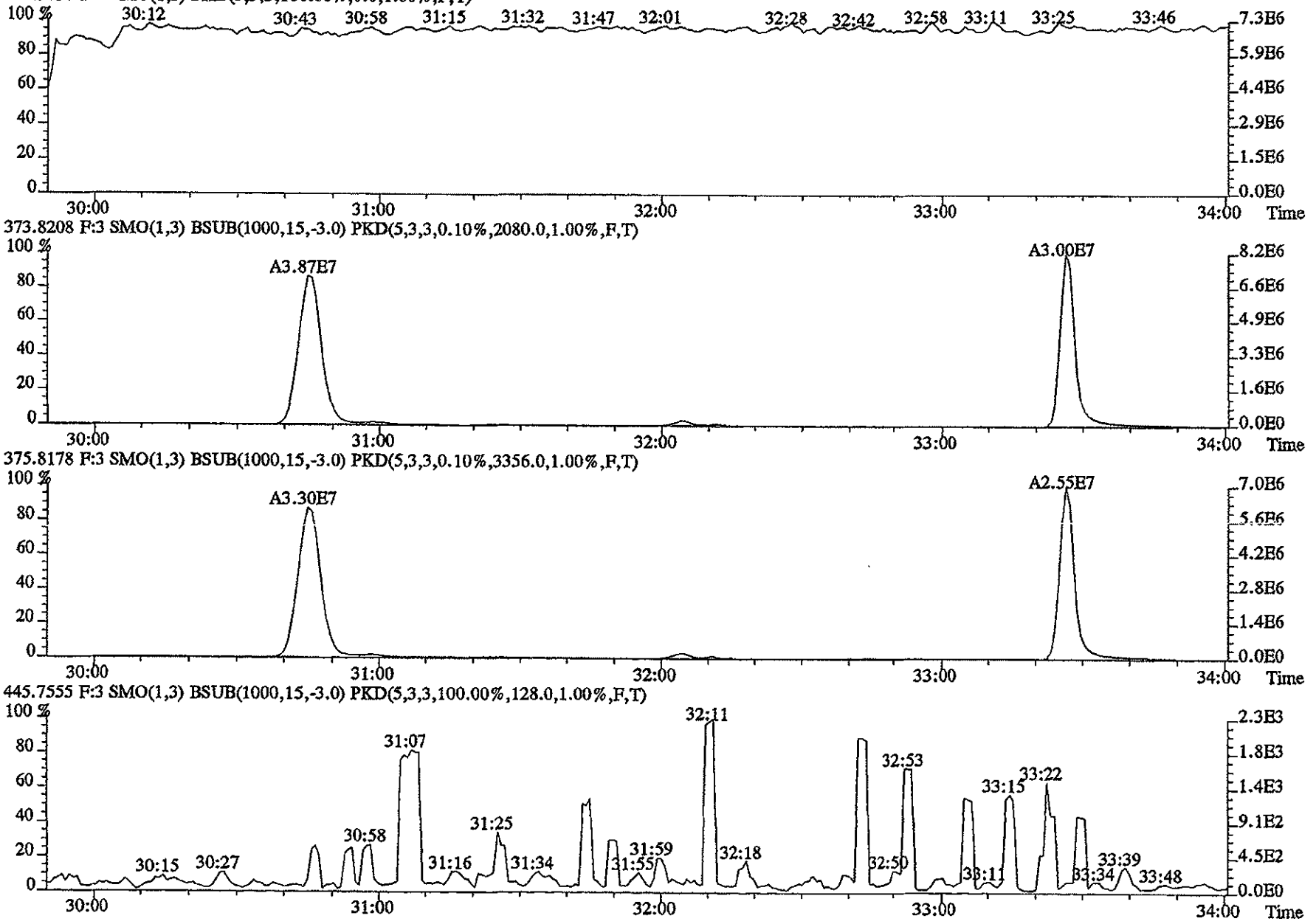


File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

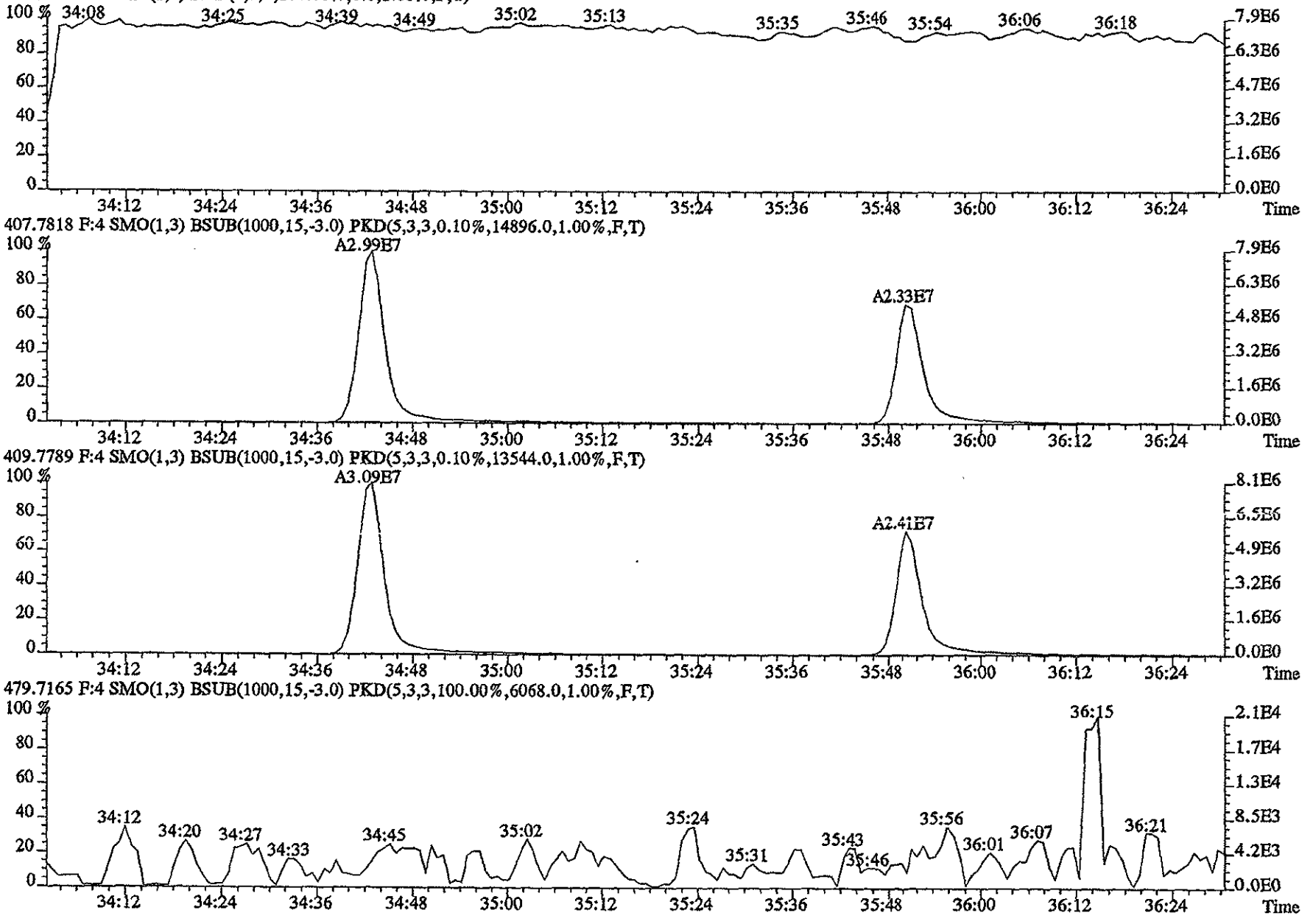




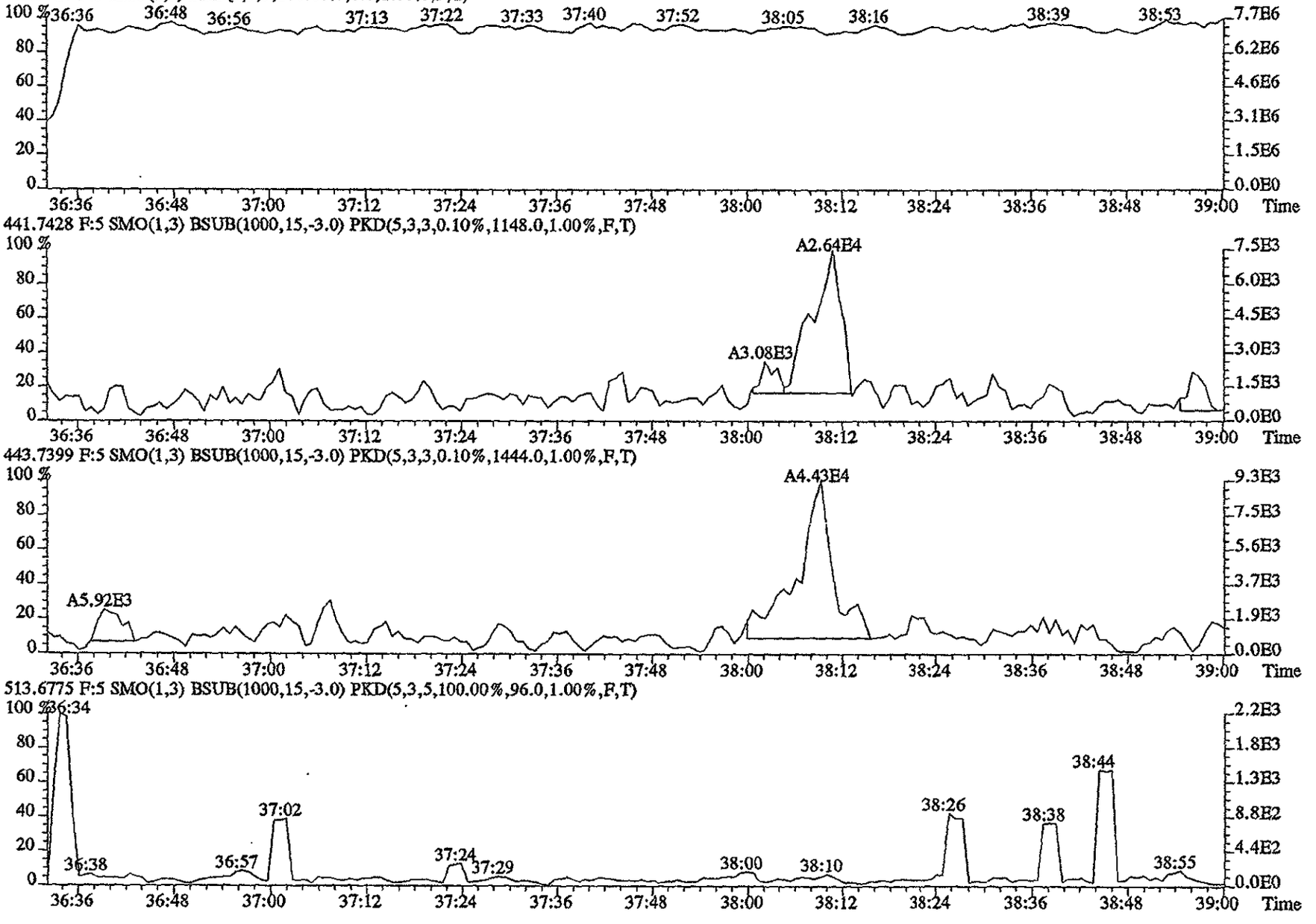
File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A



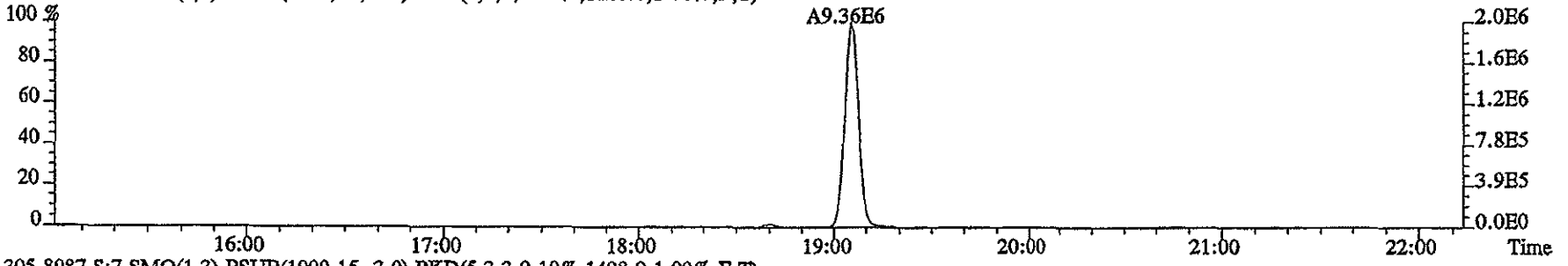
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A



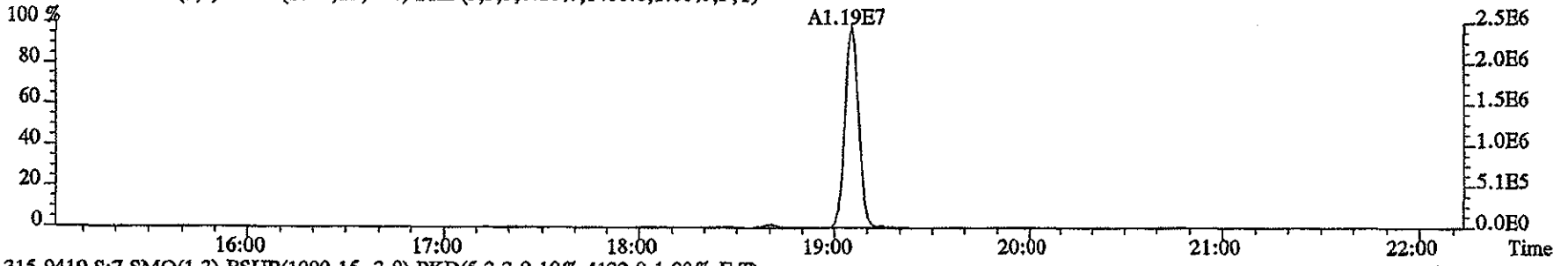
File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A



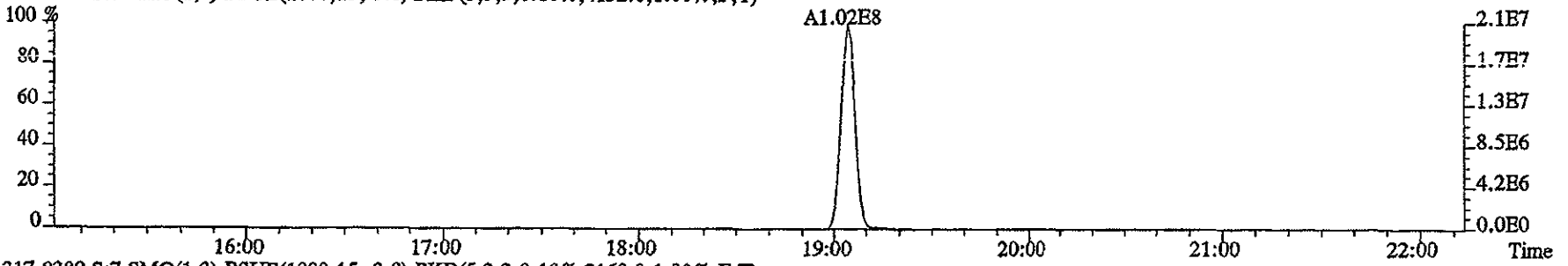
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



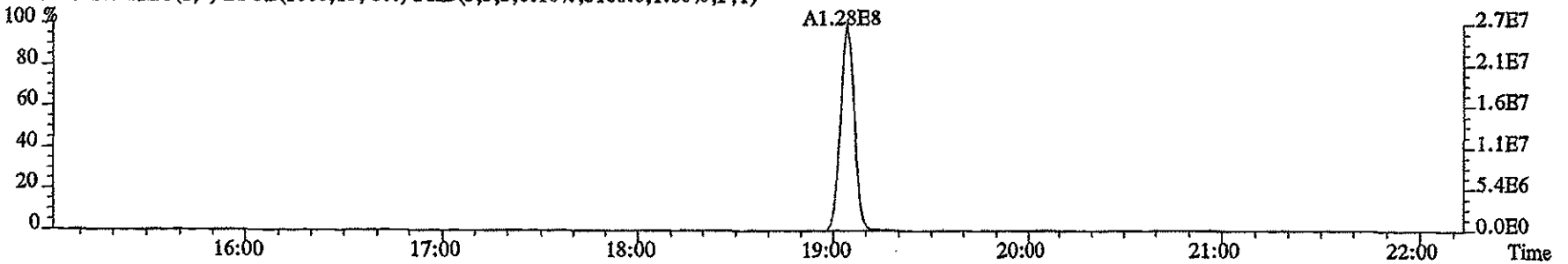
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)



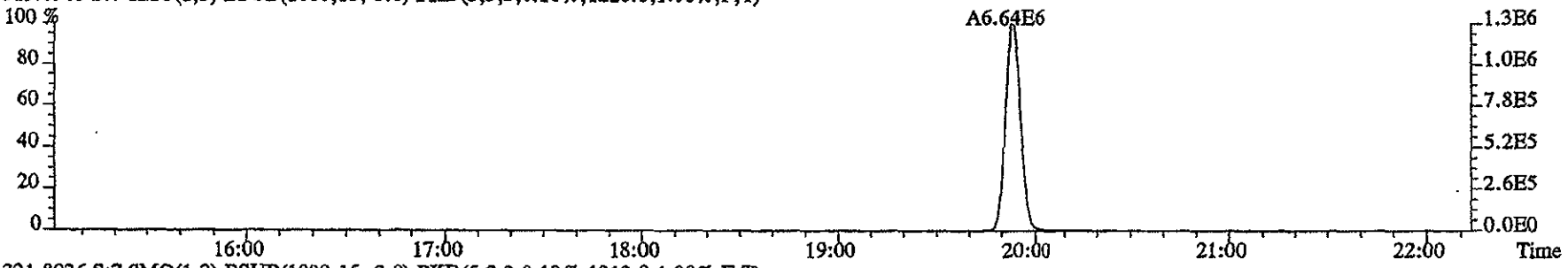
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4132.0,1.00%,F,T)



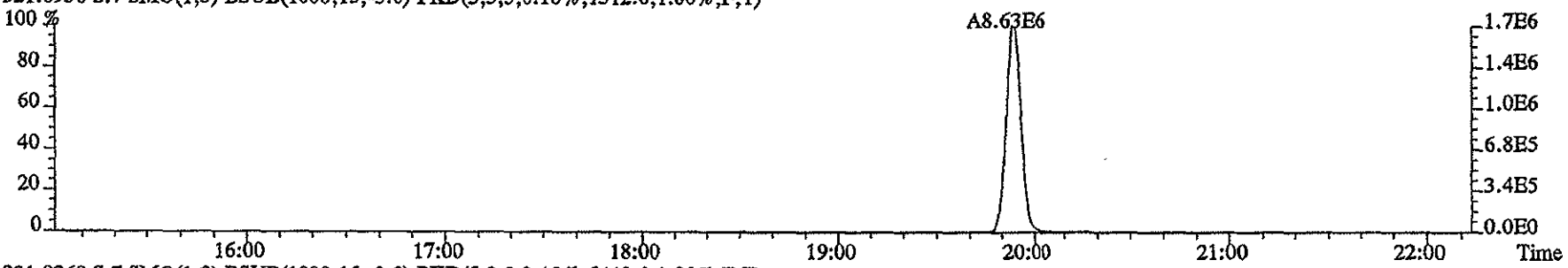
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3160.0,1.00%,F,T)



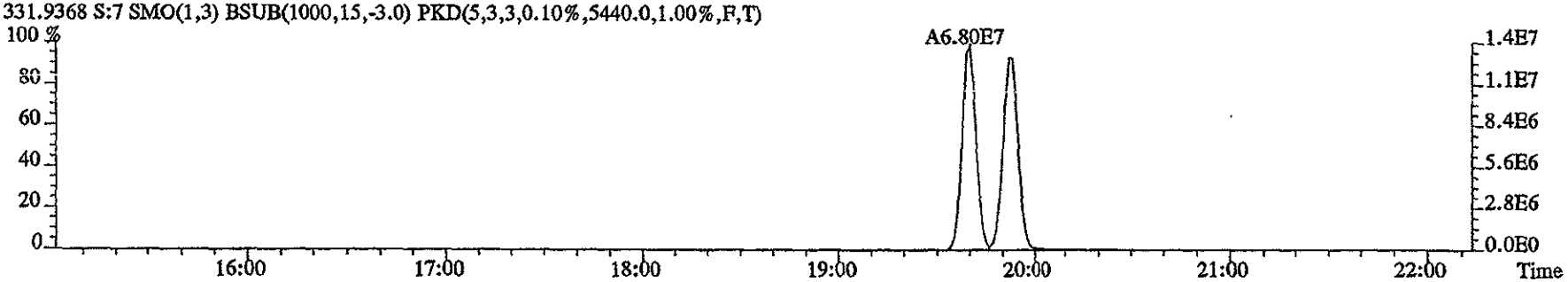
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1228.0,1.00%,F,T)



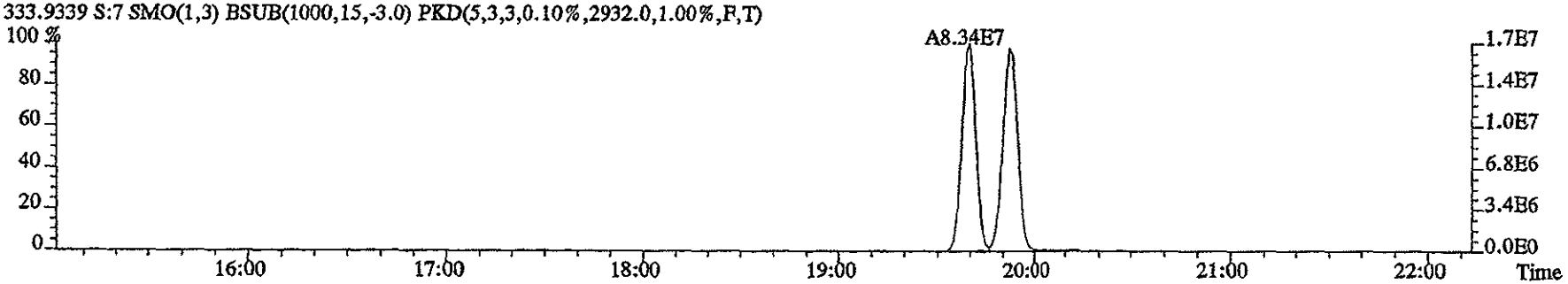
321.8936 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1312.0,1.00%,F,T)



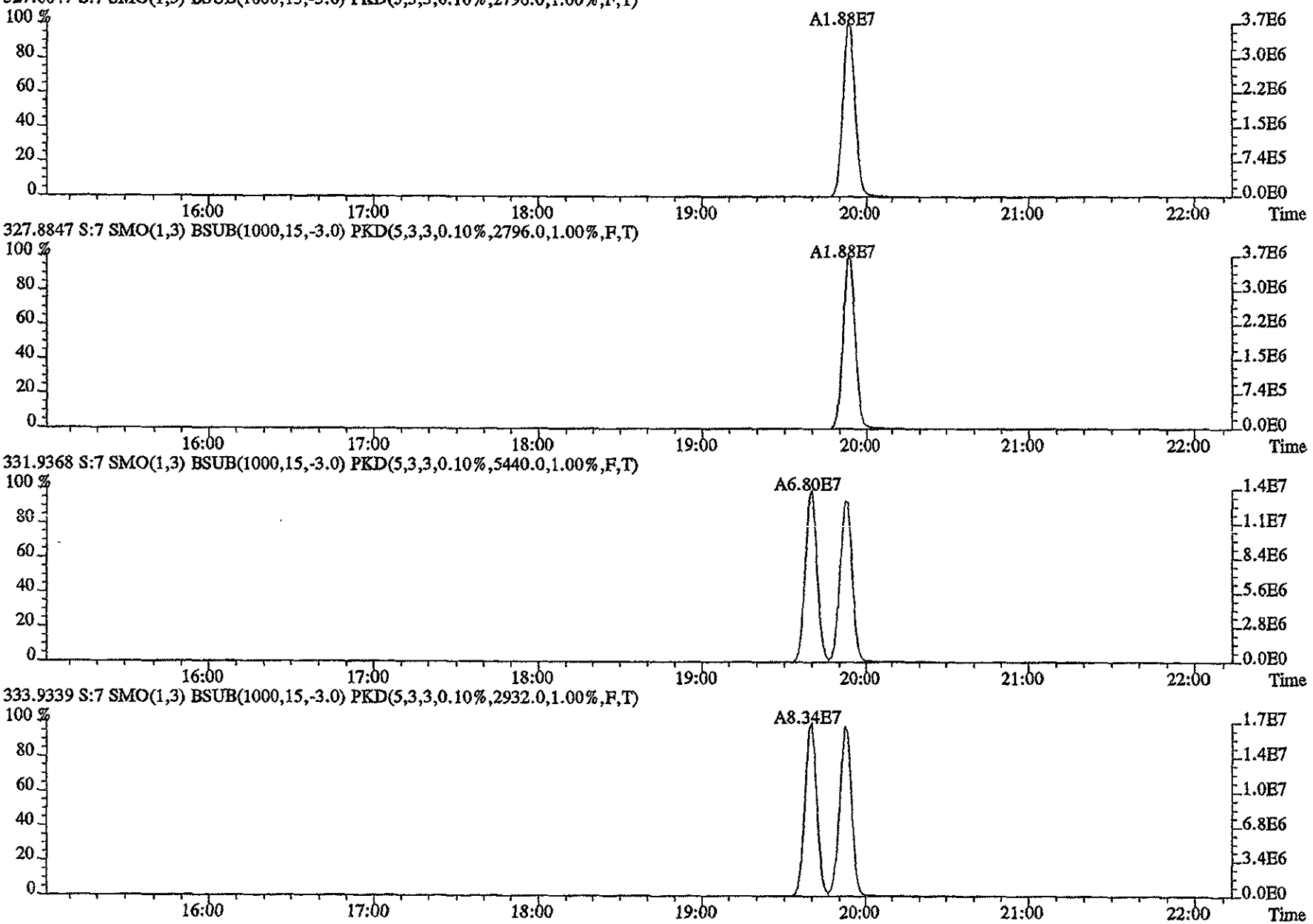
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5440.0,1.00%,F,T)



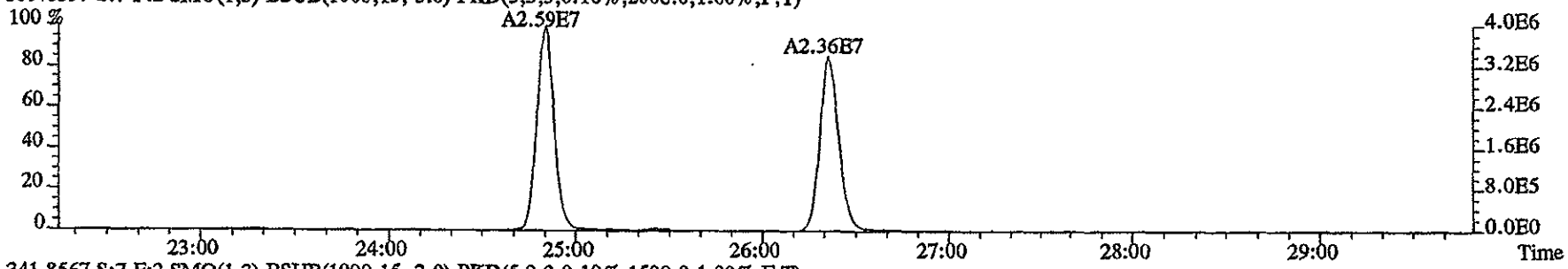
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2932.0,1.00%,F,T)



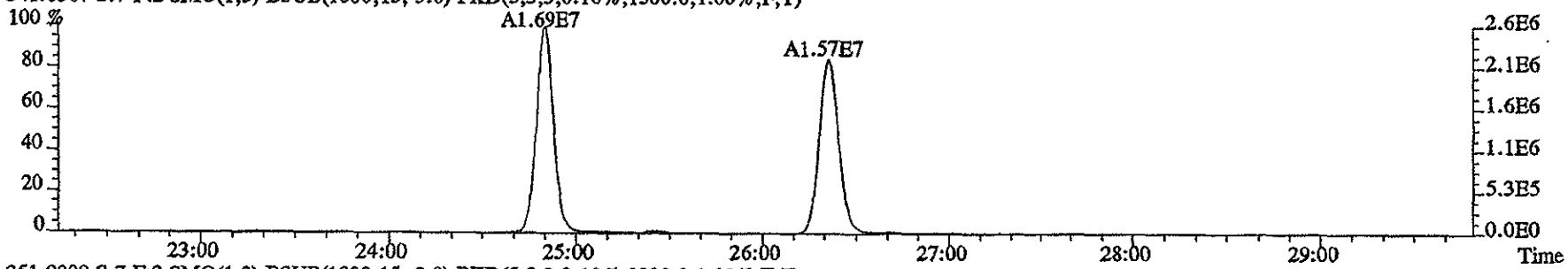
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A



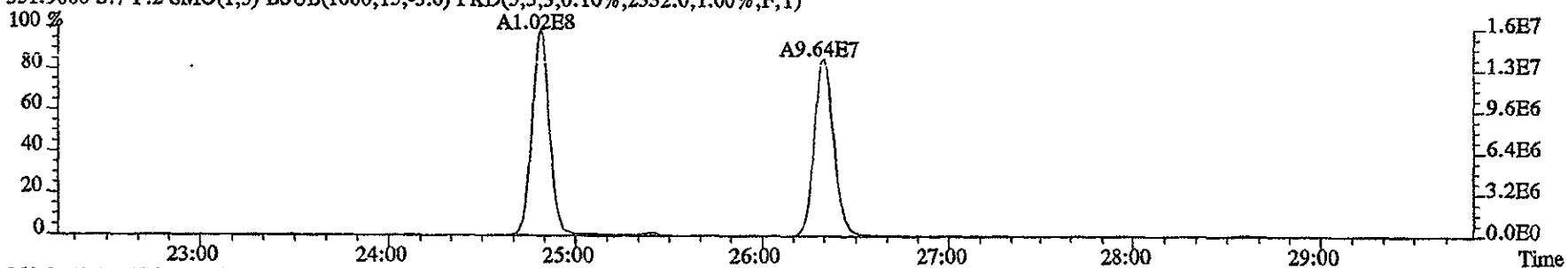
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T)



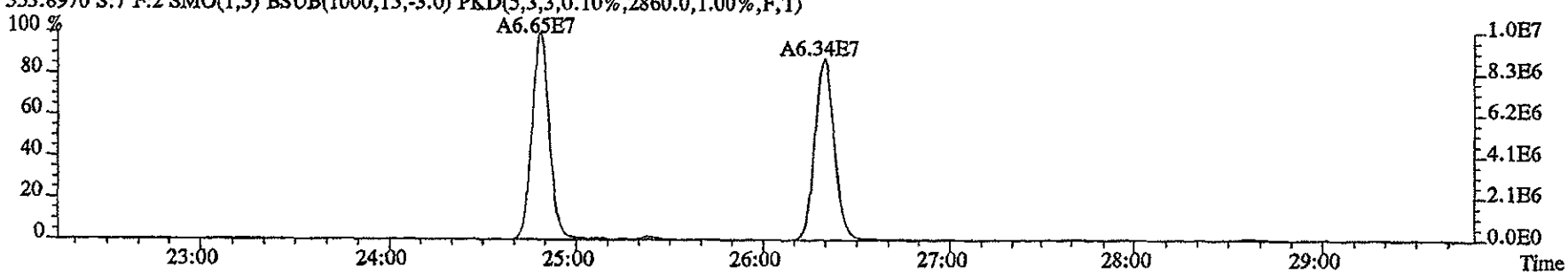
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T)



351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)

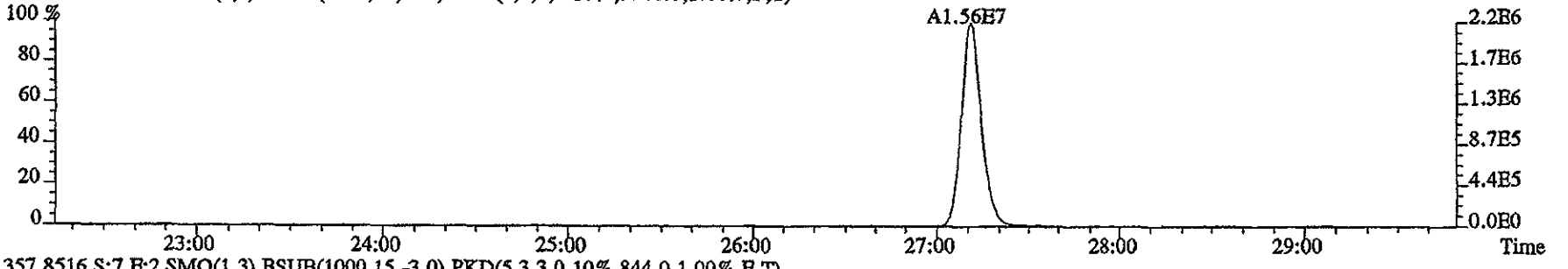


353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2860.0,1.00%,F,T)

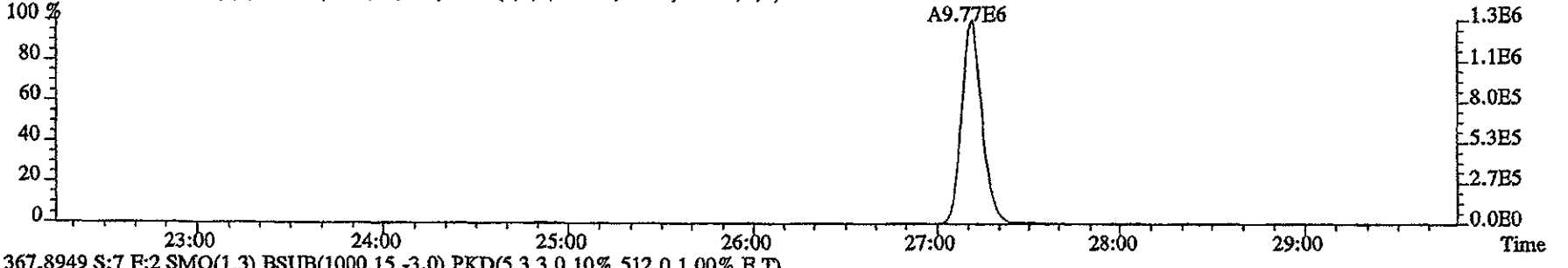


File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A

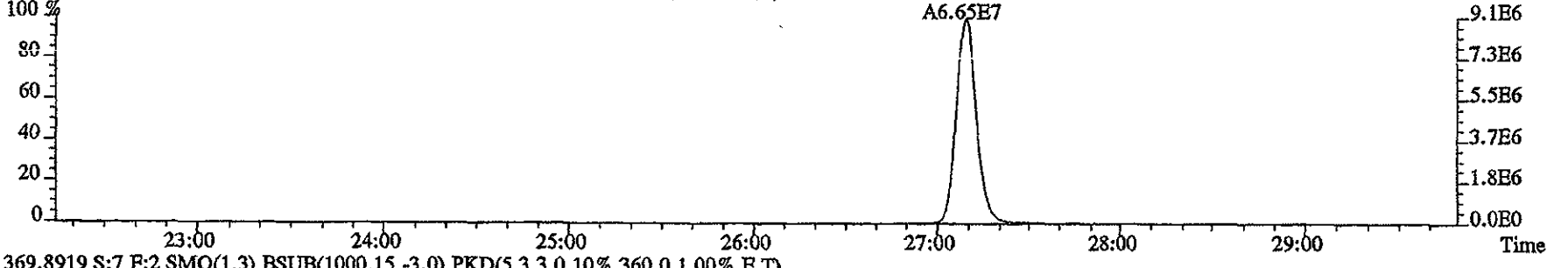
355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1548.0,1.00%,F,T)



357.8516 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,844.0,1.00%,F,T)



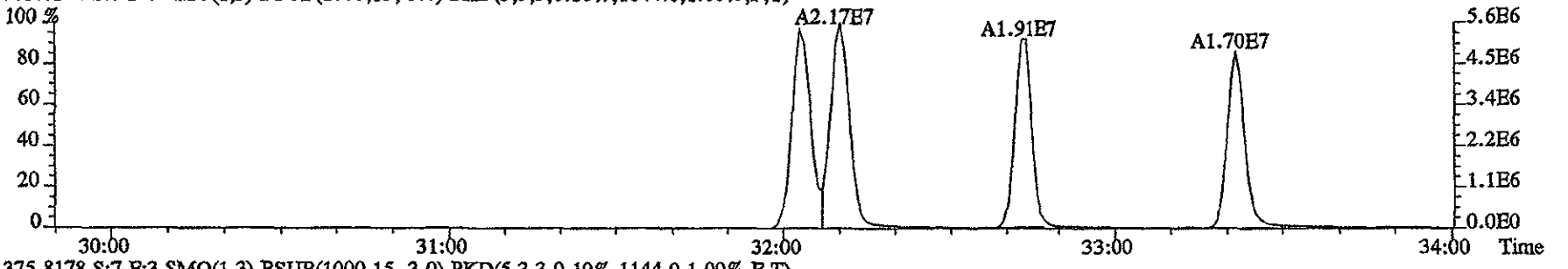
367.8949 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,512.0,1.00%,F,T)



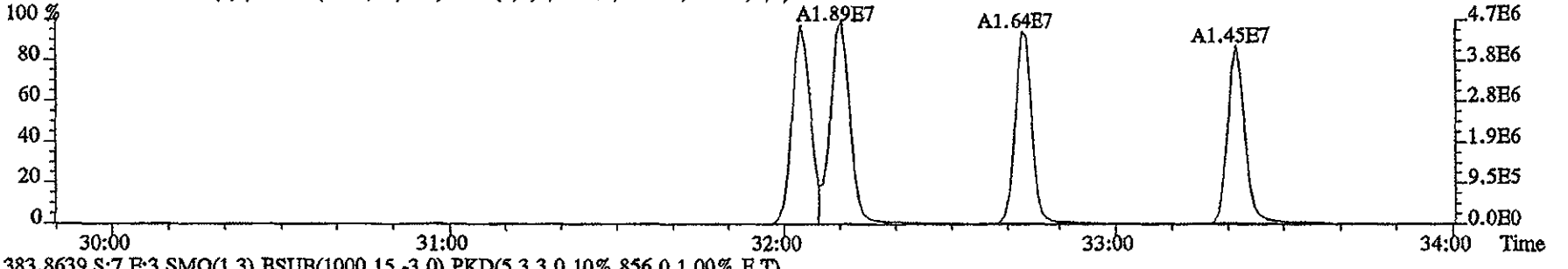
369.8919 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,360.0,1.00%,F,T)

File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A

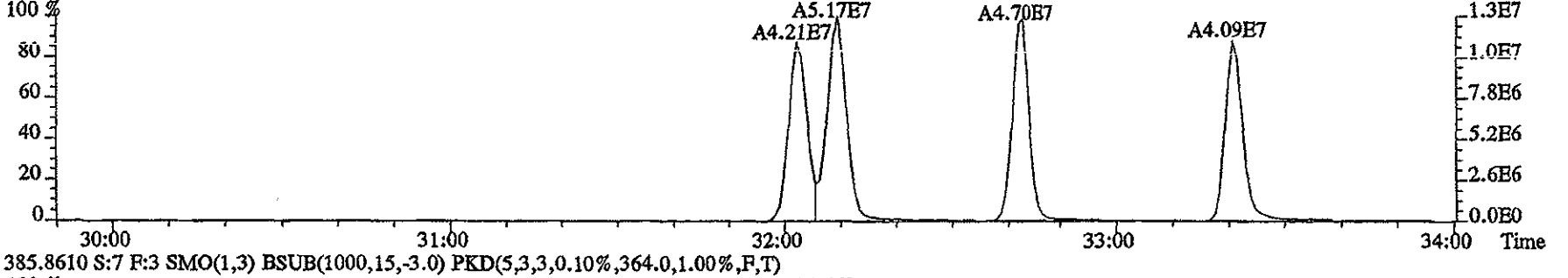
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1044.0,1.00%,F,T)



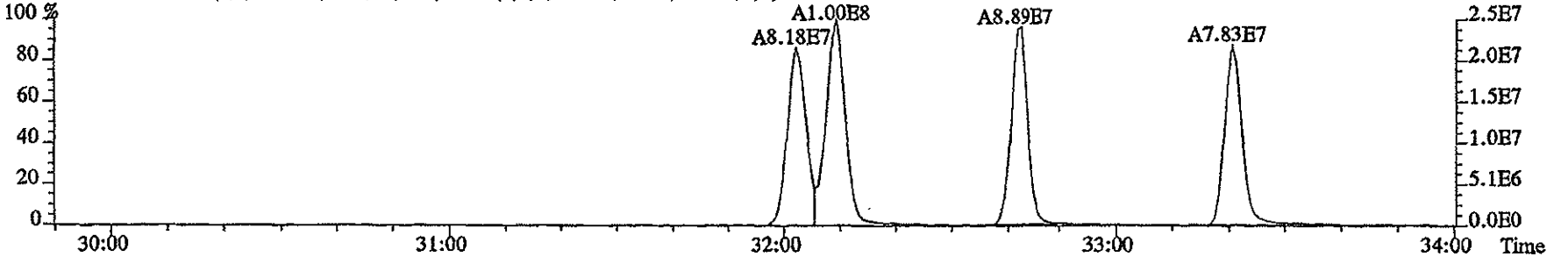
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144.0,1.00%,F,T)



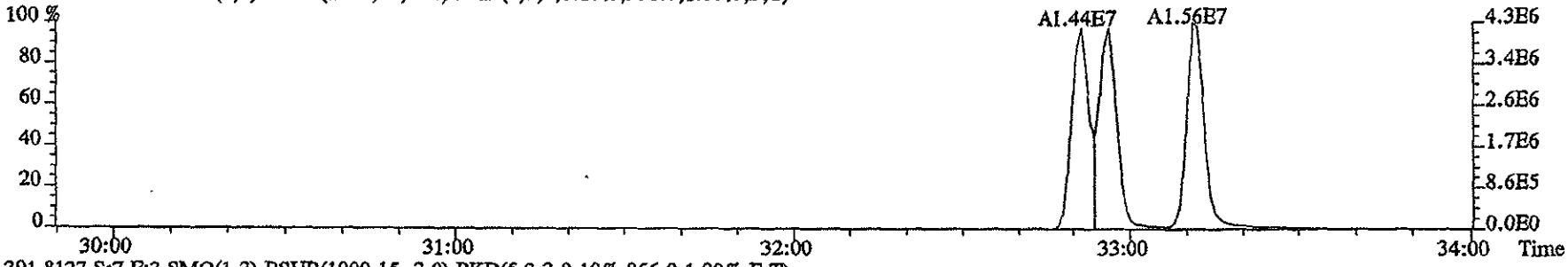
383.8639 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)



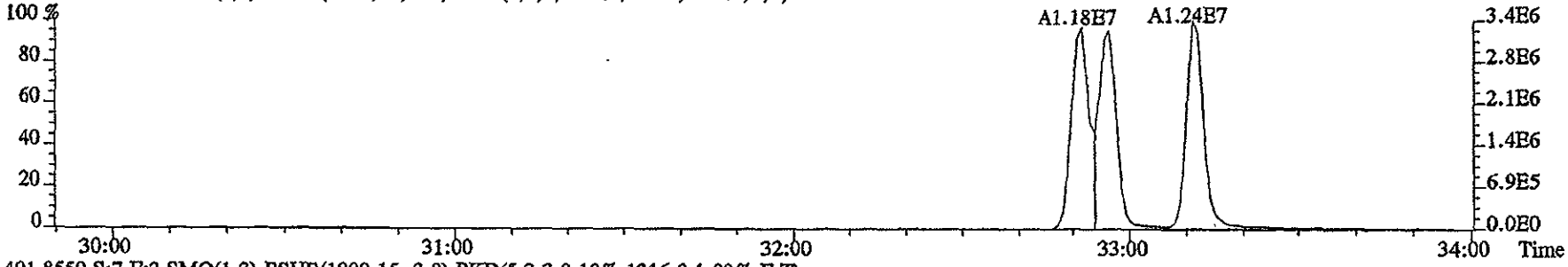
385.8610 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,364.0,1.00%,F,T)



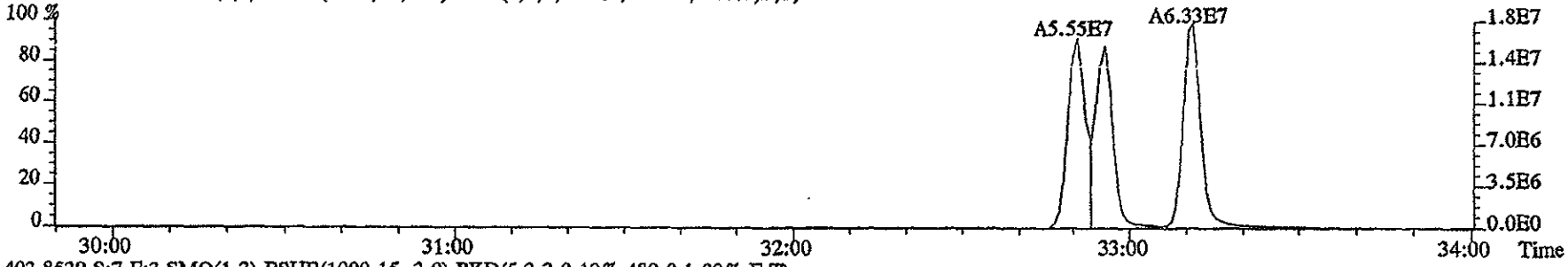
File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,956.0,1.00%,F,T)



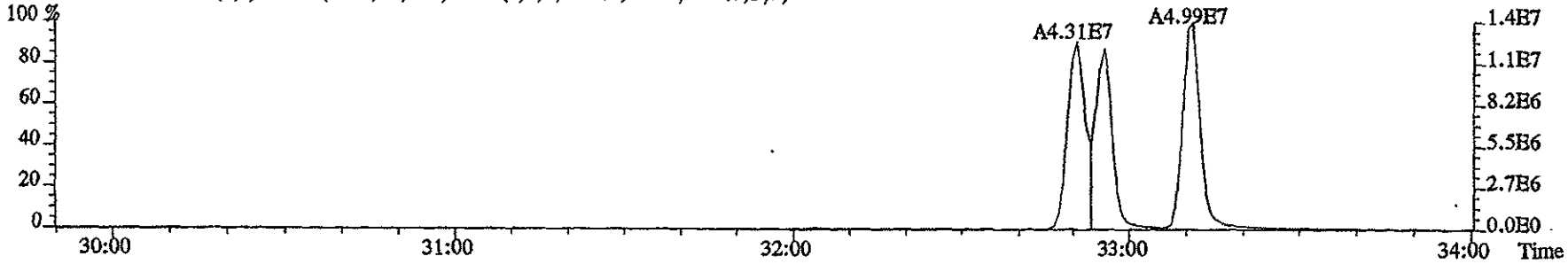
391.8127 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)



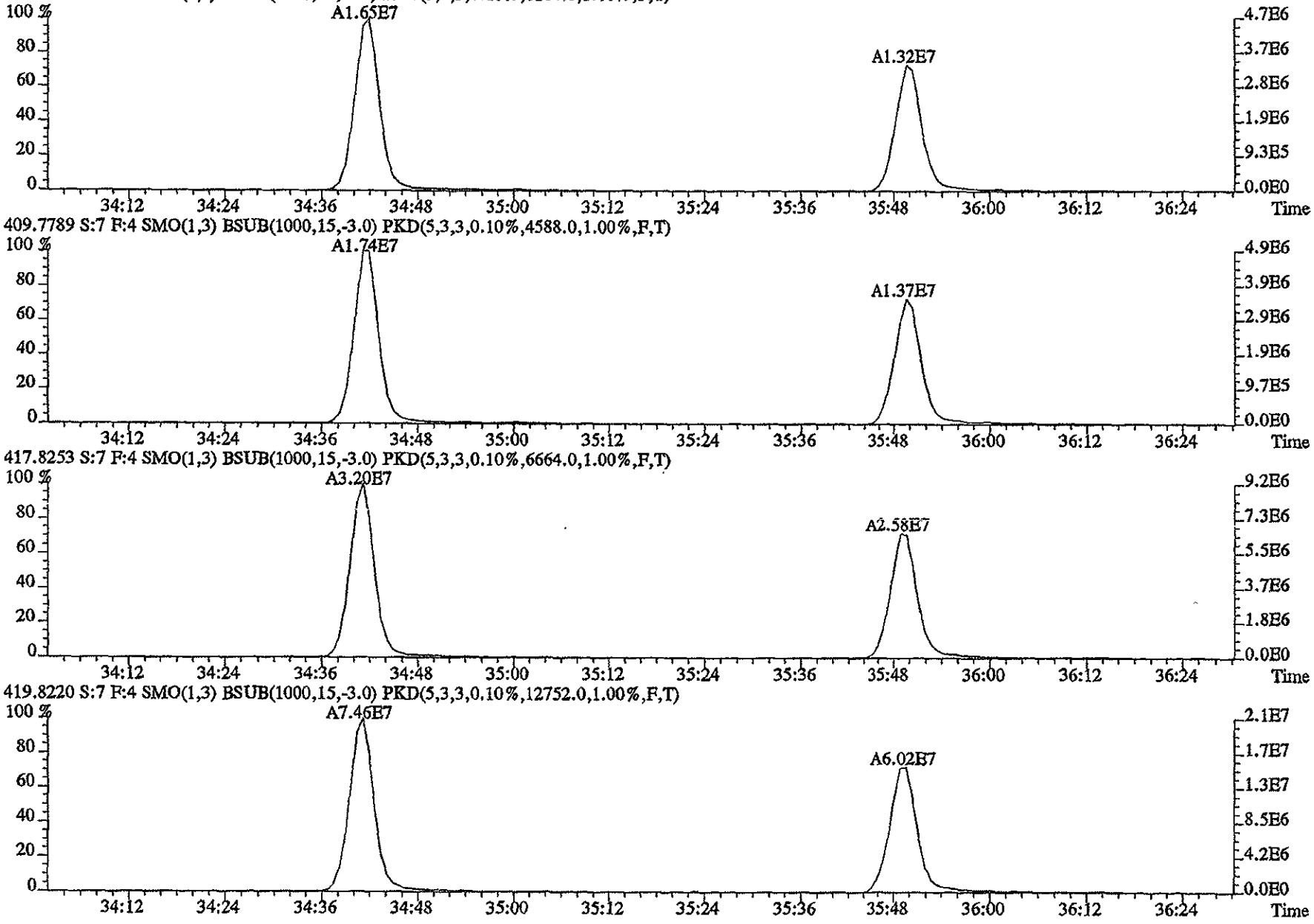
401.8559 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1316.0,1.00%,F,T)



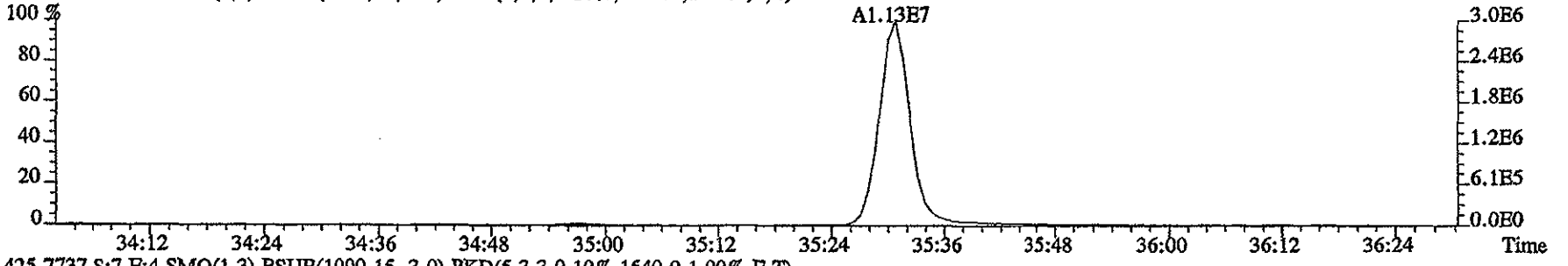
403.8529 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,480.0,1.00%,F,T)



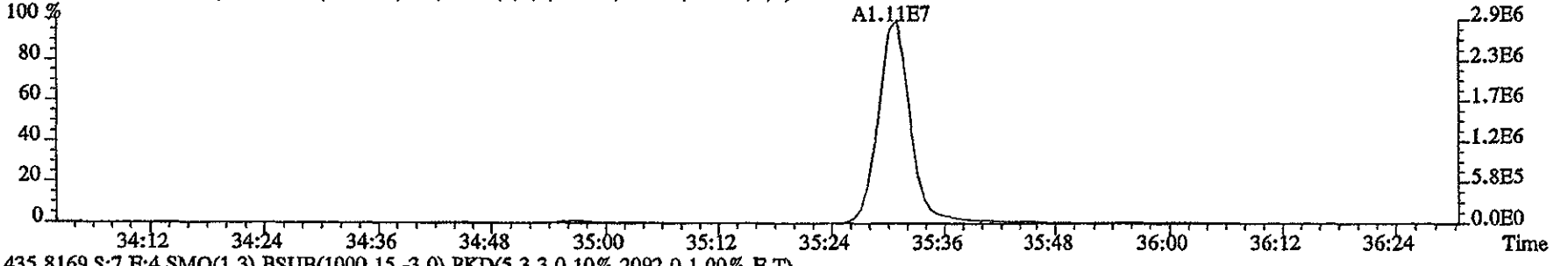
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A



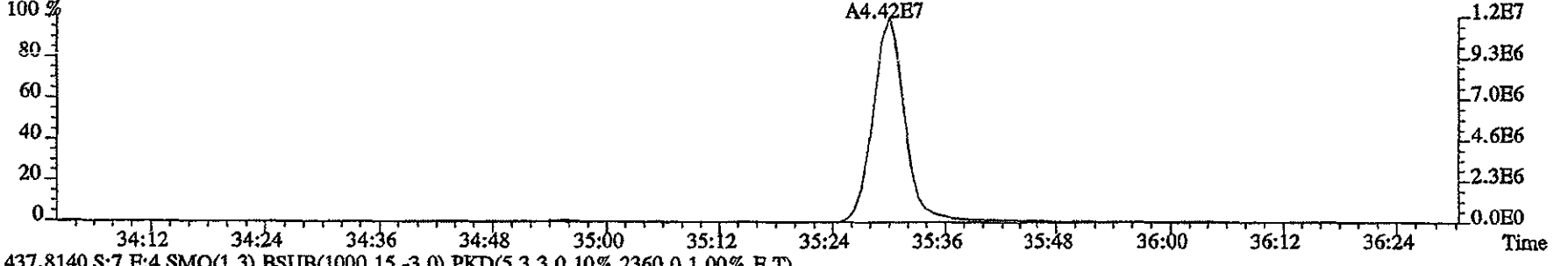
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2720.0,1.00%,F,T)



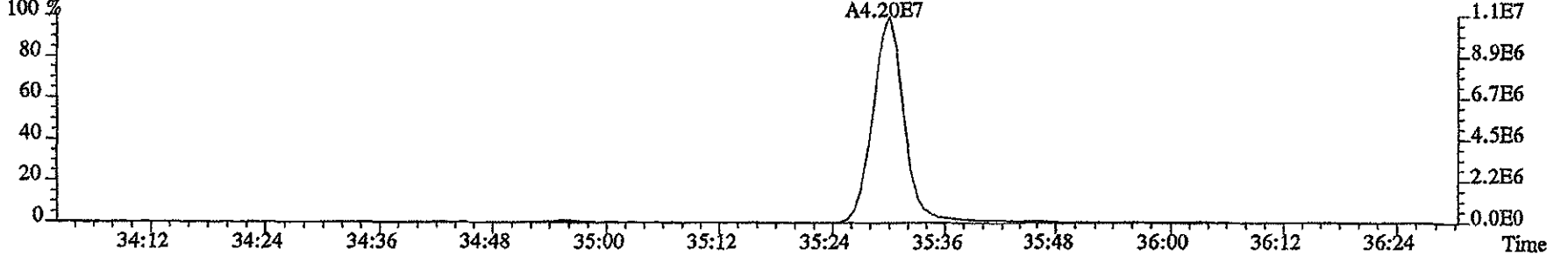
425.7737 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1540.0,1.00%,F,T)



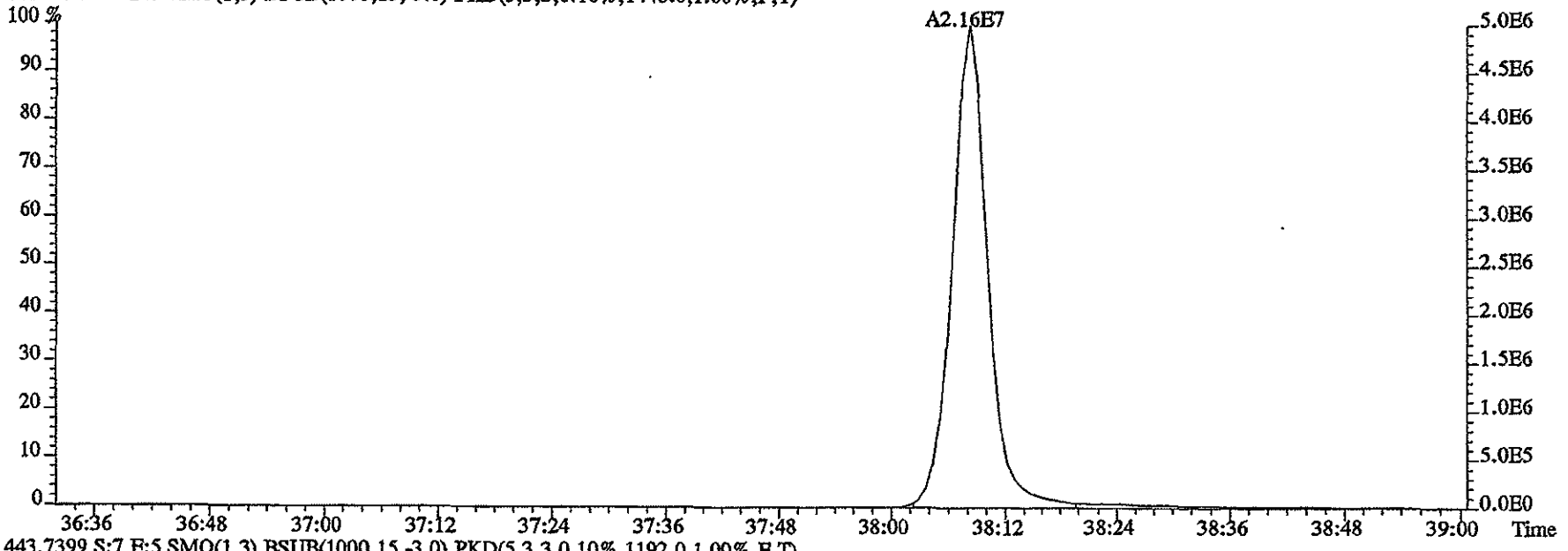
435.8169 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2092.0,1.00%,F,T)



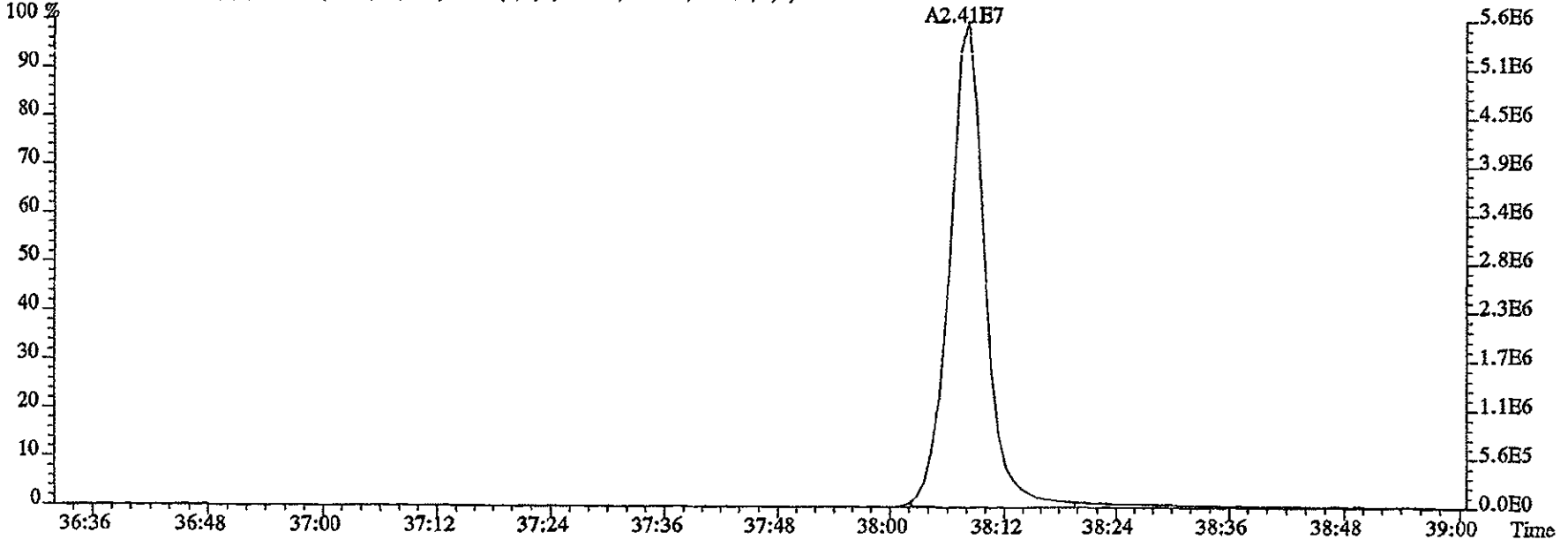
437.8140 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



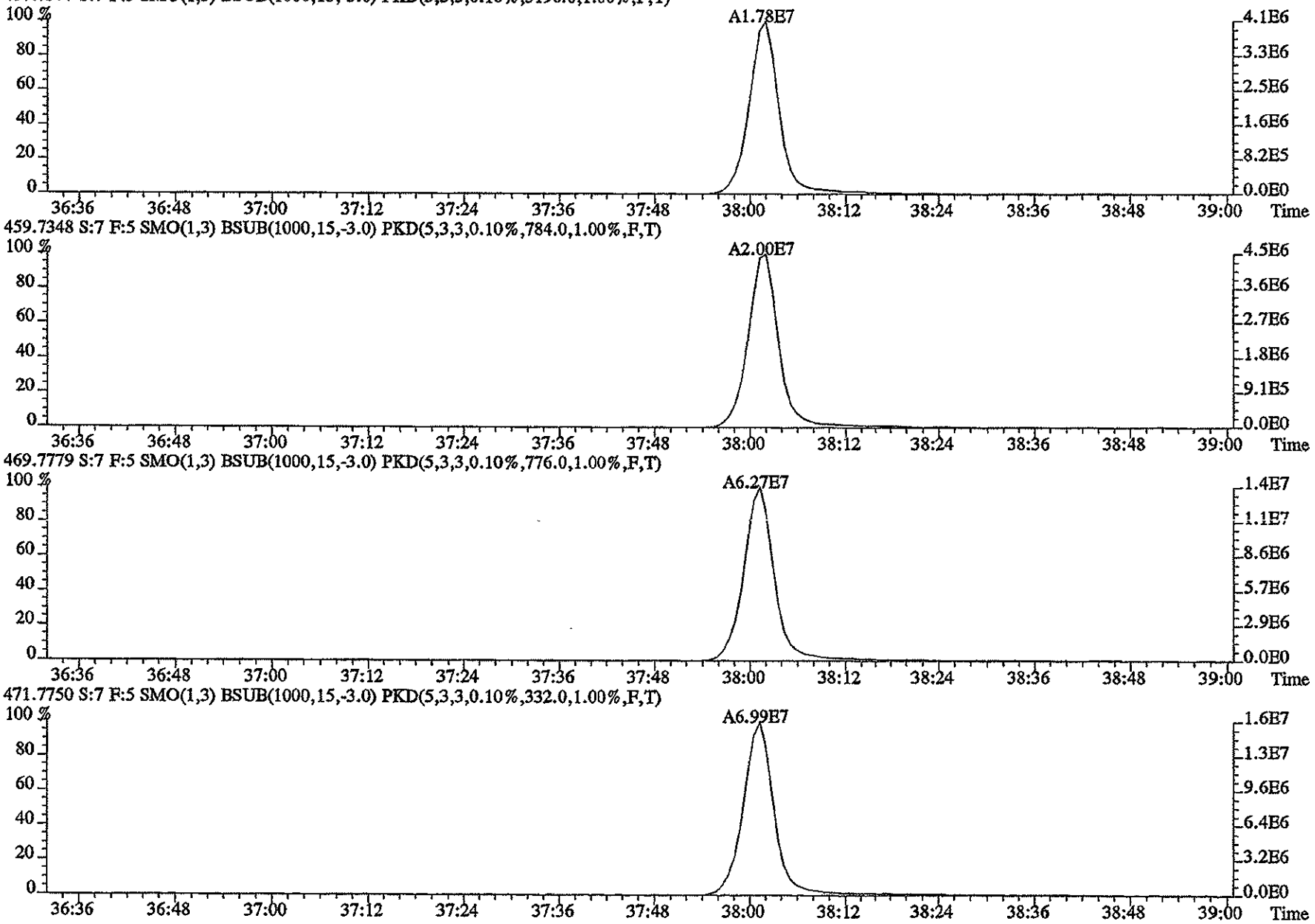
File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448.0,1.00%,F,T)



443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)

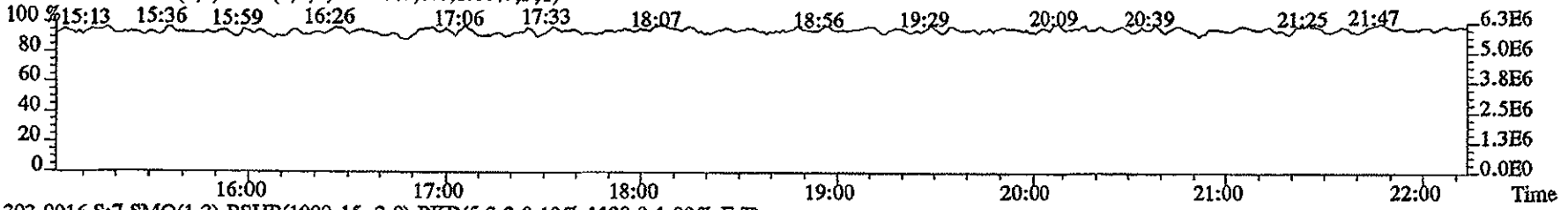


File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A

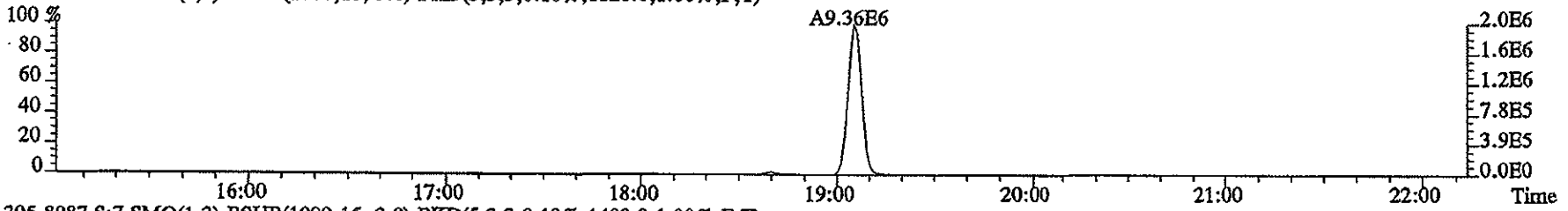


File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A

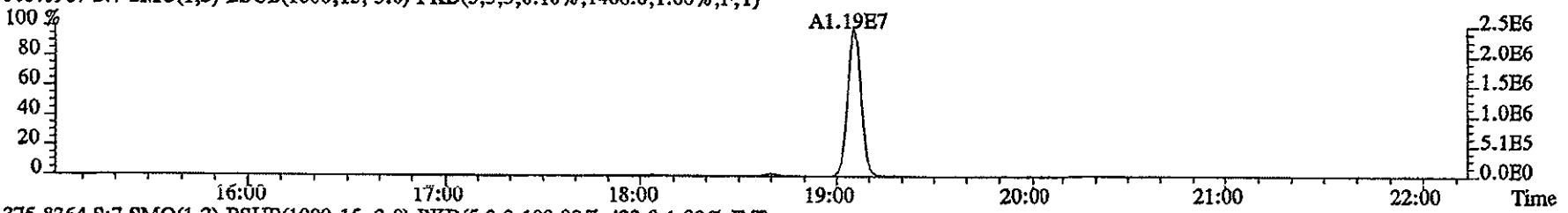
354.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



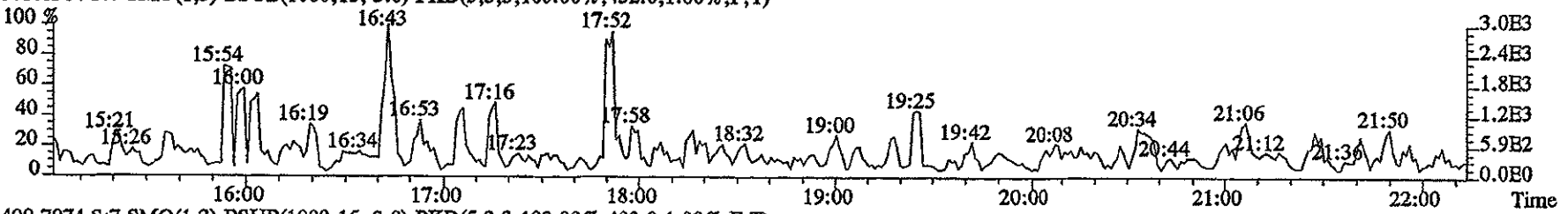
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



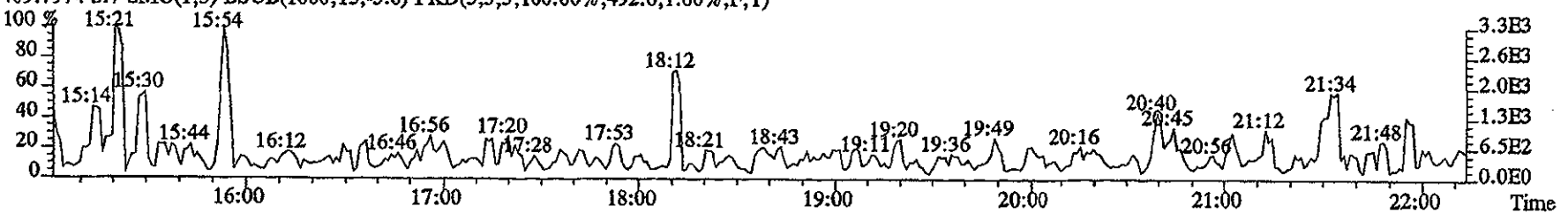
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)



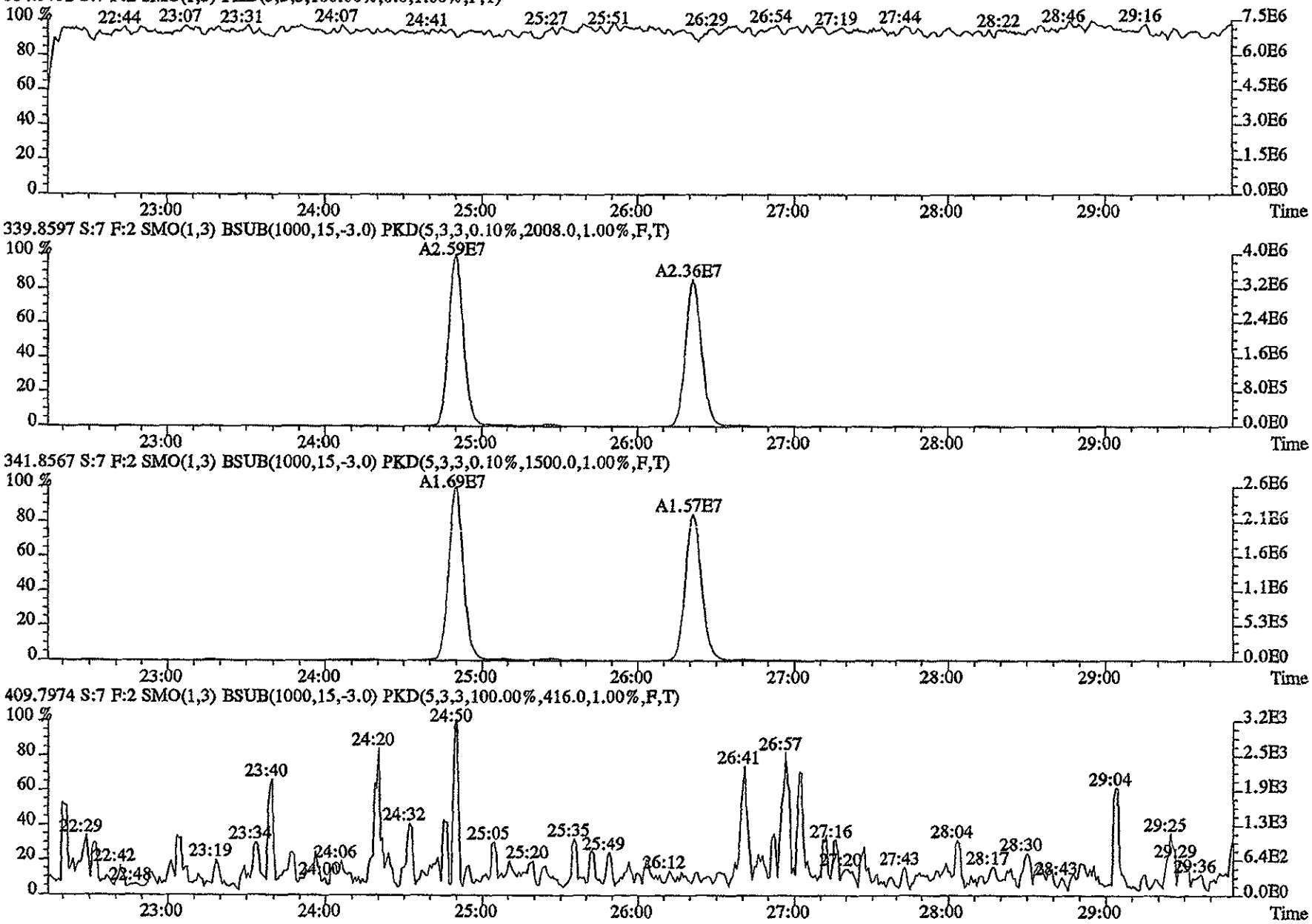
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,432.0,1.00%,F,T)



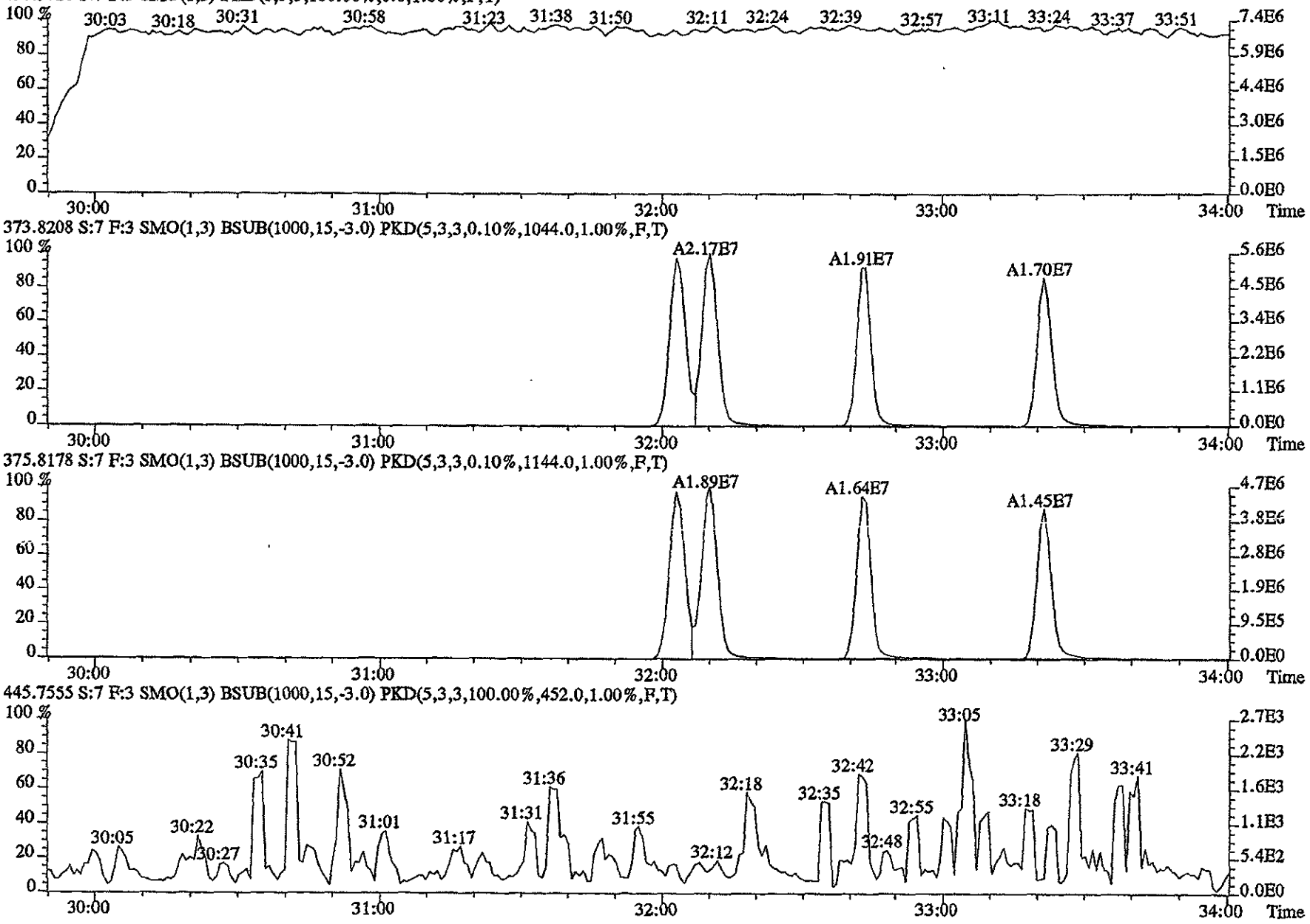
409.7974 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,492.0,1.00%,F,T)



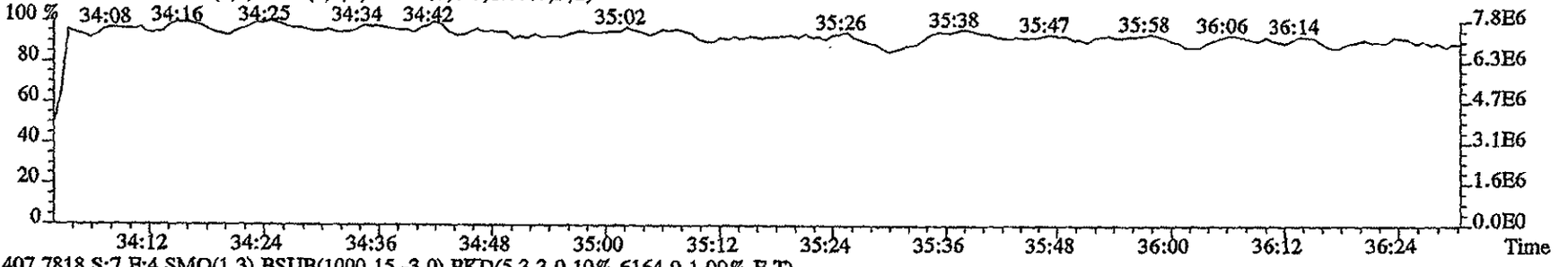
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A



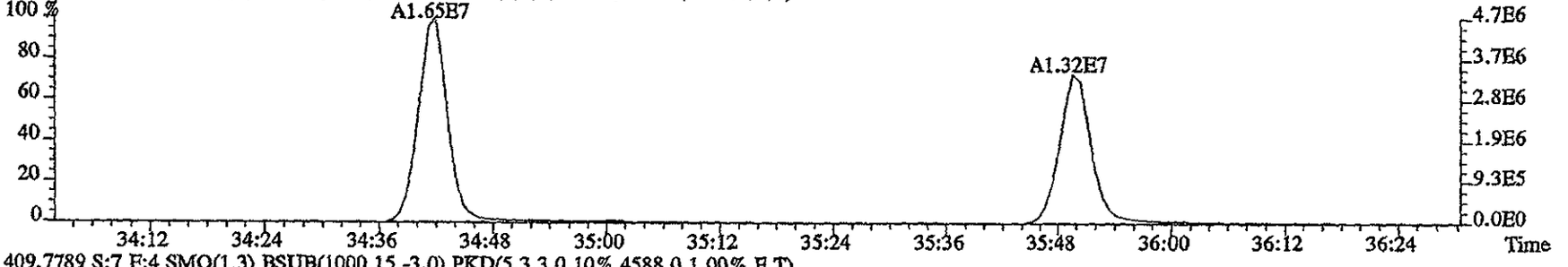
File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A



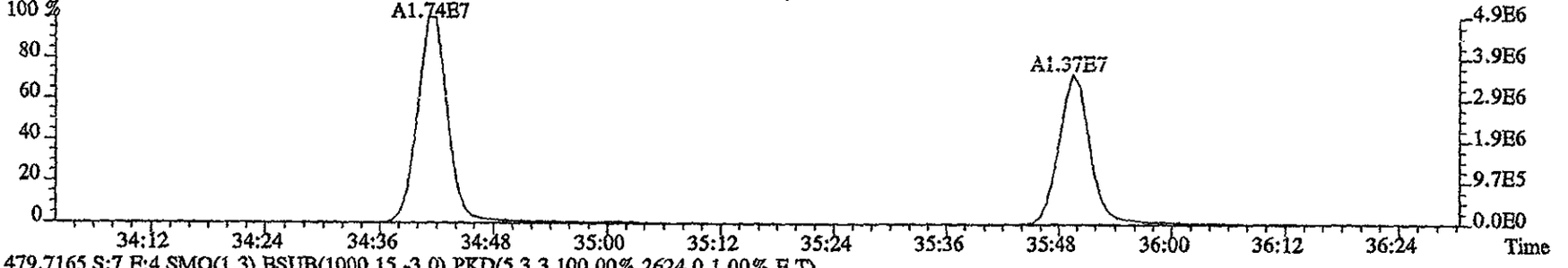
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



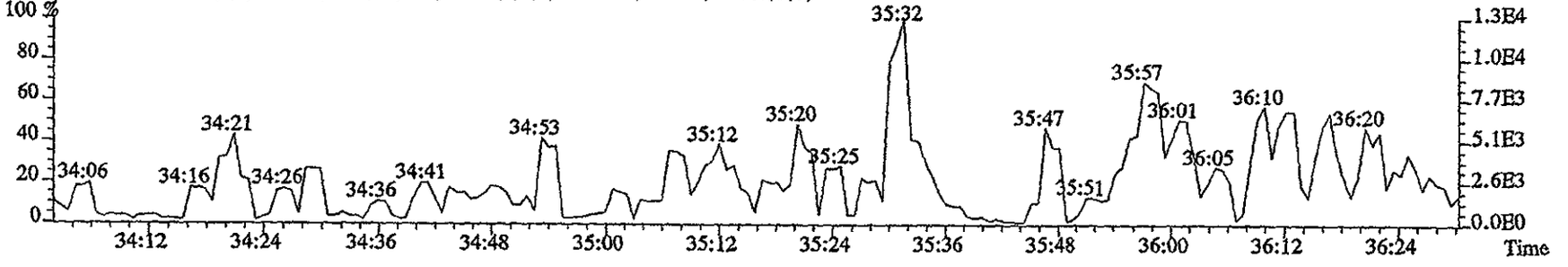
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6164.0,1.00%,F,T)



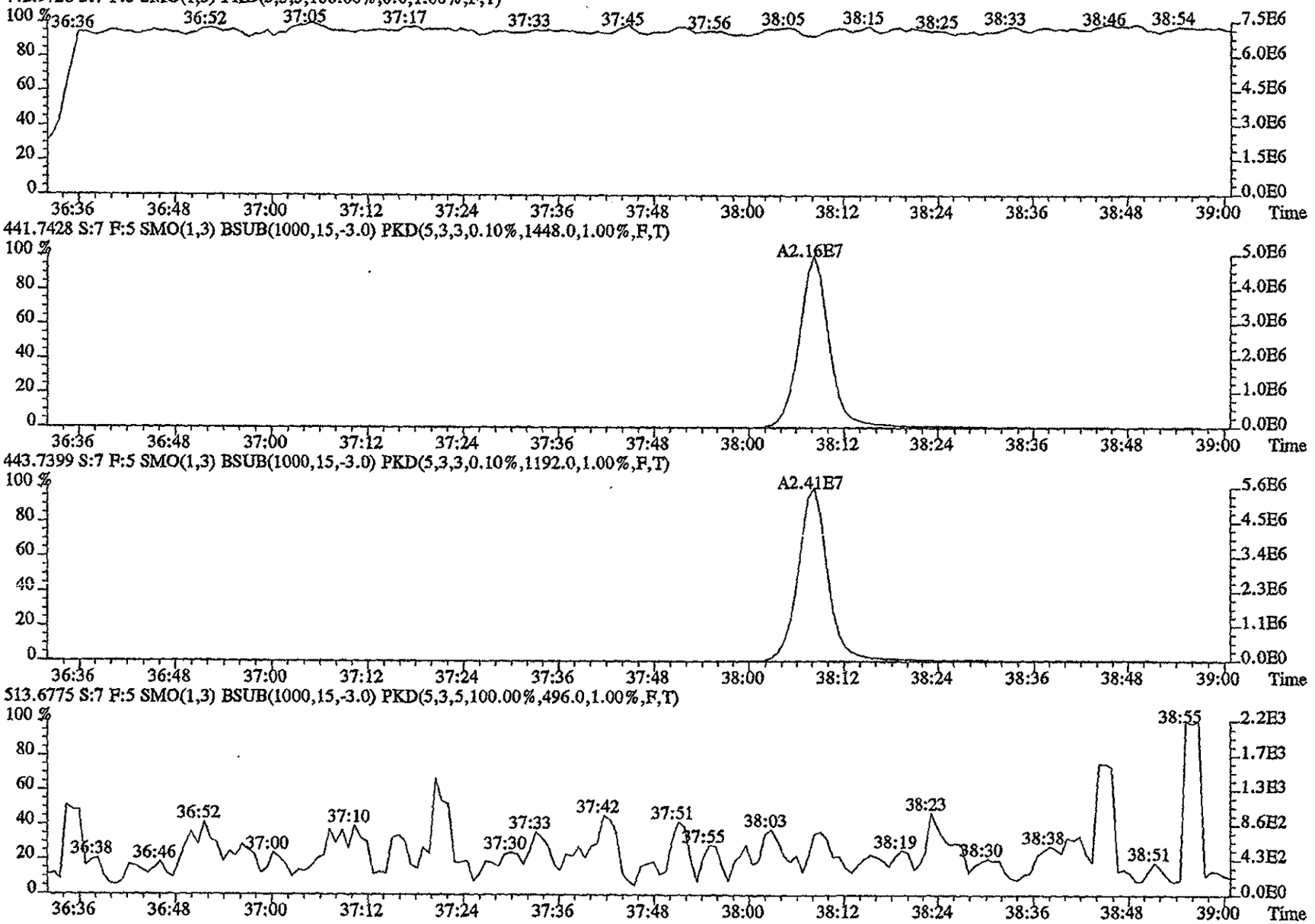
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4588.0,1.00%,F,T)



479.7165 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2624.0,1.00%,F,T)



File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A



Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290,1613,TO9,23,0023A,TETRAS) 123109/D5

Method ID 8290,1613B,TO9,23,0023A

Date Scanned 01/11/10

Column ID DB5

Instrument ID 1D5

STD ID's ST1231(B,C,D,E,F)

STD Solution 09DXN(422,423,425,426,456)

GC Program OCDD

Multiplier Setting 270

Analyzed By A.M.

Date Analyzed 12/31/09, 1/1/10 1/4/10

Prepared By M.G.

Date Prepared 1/4/10

Reviewed By JRB

Date Reviewed 1/4/10

ANALYSIS OFFICIAL	INITIALED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS: CS3 Retention Times: 13C-1,2,3,4-TCDD 18:40
13C-1,2,3,7,8,9-HxCDD 32:49

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 15SE098D2 Analyte: 8290 Cal: 8290123109 1D5

ST1231B :CS-1 09DXN422 ST1231C :CS-2 09DXN423 ST1231D :CS-3 09DXN425
ST1231E :CS-4 09DXN426 ST1231F :CS-5 09DXN456

Name	Mean	S. D.	%RSD	31DE09A1D5 S2 RRF1	31DE09A1D5 S3 RRF2	31DE09A1D5 S4 RRF3	31DE09A1D5 S5 RRF4	31DE09A1D5 S6 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3 %	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

Run #1 Filename 31DE09A1D5 S: 2 I: 1
Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 07:30:47
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231B :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	326815000	0.81	y	18:42	-	100.00	n
13C-2,3,7,8-TCDF	495192000	0.78	y	18:09	1.52	100.00	n
2,3,7,8-TCDF	1909491	0.78	y	18:09	0.77	0.50	n
Total TCDF	-	-	n	-	0.77	0.50	n
13C-2,3,7,8-TCDD	305230000	0.80	y	18:53	0.93	100.00	n
2,3,7,8-TCDD	1317770	0.78	y	18:56	0.86	0.50	n
Total TCDD	-	-	n	-	0.86	0.50	n
37Cl-2,3,7,8-TCDD	3295720	1.00	y	18:56	2.02	0.50	n
13C-1,2,3,7,8-PeCDF	327775000	1.60	y	23:32	1.00	100.00	n
1,2,3,7,8-PeCDF	6958190	1.59	y	23:34	0.85	2.50	n
2,3,4,7,8-PeCDF	6434690	1.62	y	24:58	0.79	2.50	n
Total F2 PeCDF	-	-	n	-	0.82	5.00	n
Total F1 PeCDF	-	-	n	-	0.82	5.00	n
13C-1,2,3,7,8-PeCDD	198162800	1.64	y	25:44	0.61	100.00	n
1,2,3,7,8-PeCDD	3904960	1.46	y	25:45	0.79	2.50	n
Total PeCDD	-	-	n	-	0.79	2.50	n
13C-1,2,3,7,8,9-HxCDD	246455000	1.30	y	32:51	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	242322300	0.50	y	31:26	0.98	100.00	n
1,2,3,4,7,8-HxCDF	5809990	1.20	y	31:27	0.96	2.50	n
1,2,3,6,7,8-HxCDF	6810920	1.31	y	31:36	1.12	2.50	n
2,3,4,6,7,8-HxCDF	6178250	1.26	y	32:17	1.02	2.50	n
1,2,3,7,8,9-HxCDF	6177790	1.28	y	33:03	1.02	2.50	n
Total HxCDF	-	-	n	-	1.03	10.00	n
13C-1,2,3,6,7,8-HxCDD	204409500	1.28	y	32:32	0.83	100.00	n
1,2,3,4,7,8-HxCDD	3765050	1.19	y	32:27	0.74	2.50	n
1,2,3,6,7,8-HxCDD	4473360	1.33	y	32:33	0.88	2.50	n
1,2,3,7,8,9-HxCDD	4685460	1.26	y	32:52	0.92	2.50	n
Total HxCDD	-	-	n	-	0.84	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	227457800	0.43	y	34:35	0.92	100.00	n
1,2,3,4,6,7,8-HpCDF	6254400	1.07	y	34:35	1.10	2.50	n
1,2,3,4,7,8,9-HpCDF	5396380	1.04	y	35:53	0.95	2.50	n
Total HpCDF	-	-	n	-	1.02	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	196980400	1.10	y	35:31	0.80	100.00	n
1,2,3,4,6,7,8-HpCDD	4184800	0.97	y	35:31	0.85	2.50	n
Total HpCDD	-	-	n	-	0.85	2.50	n
13C-OCDD	287999000	0.90	y	38:18	0.58	200.00	n
OCDF	8341240	0.89	y	38:25	1.16	5.00	n

OCDD	6946490	0.88	y	38:19	0.96	5.00	n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80	y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76	y	18:08	0.77	2.00	n
Total TCDF	-	-	n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79	y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72	y	18:53	0.77	2.00	n
Total TCDD	-	-	n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00	y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64	y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66	y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64	y	24:57	0.84	10.00	n
Total F2 PeCDF	-	-	n	-	0.87	20.00	n
Total F1 PeCDF	-	-	n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64	y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63	y	25:44	0.81	10.00	n
Total PeCDD	-	-	n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51	y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28	y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30	y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31	y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26	y	33:02	1.19	10.00	n
Total HxCDF	-	-	n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31	y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	16376990	1.27	y	32:26	0.88	10.00	y
1,2,3,6,7,8-HxCDD	18917800	1.35	y	32:32	1.01	10.00	y
1,2,3,7,8,9-HxCDD	22185210	1.30	y	32:51	1.19	10.00	n
Total HxCDD	-	-	n	-	1.02	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43	y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01	y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06	y	35:53	1.00	10.00	n
Total HpCDF	-	-	n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09	y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07	y	35:31	0.88	10.00	n
Total HpCDD	-	-	n	-	0.88	10.00	n
13C-OCDD	295682000	0.89	y	38:18	0.54	200.00	n
OCDF	38310100	0.87	y	38:25	1.30	20.00	n

OCDD	28999100	0.89	y	38:19	0.98	20.00	n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80	y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76	y	18:08	0.77	2.00	n
Total TCDF	-	-	n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79	y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72	y	18:53	0.77	2.00	n
Total TCDD	-	-	n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00	y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64	y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66	y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64	y	24:57	0.84	10.00	n
Total F2 PeCDF	-	-	n	-	0.87	20.00	n
Total F1 PeCDF	-	-	n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64	y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63	y	25:44	0.81	10.00	n
Total PeCDD	-	-	n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51	y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28	y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30	y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31	y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26	y	33:02	1.19	10.00	n
Total HxCDF	-	-	n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31	y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	14931616	1.45	n	32:26	0.80	10.00	n
1,2,3,6,7,8-HxCDD	18826110	1.21	y	32:32	1.01	10.00	n
1,2,3,7,8,9-HxCDD	22185220	1.30	y	32:51	1.19	10.00	n
Total HxCDD	-	-	n	-	1.00	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43	y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01	y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06	y	35:53	1.00	10.00	n
Total HpCDF	-	-	n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09	y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07	y	35:31	0.88	10.00	n
Total HpCDD	-	-	n	-	0.88	10.00	n
13C-OCDD	295682000	0.89	y	38:18	0.54	200.00	n
OCDF	38310100	0.87	y	38:25	1.30	20.00	n
OCDD	28999100	0.89	y	38:19	0.98	20.00	n

Run #3 Filename 31DE09A1D5 S: 4 I: 1
Acquired: 1-JAN-10 01:32:44 Processed: 4-JAN-10 07:30:49
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231D :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	307910000	0.80	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	506106000	0.79	y	18:06	1.64	100.00	n
2,3,7,8-TCDF	44200100	0.76	y	18:07	0.87	10.00	n
Total TCDF	-	-	n	-	0.87	10.00	n
13C-2,3,7,8-TCDD	310374000	0.80	y	18:52	1.01	100.00	n
2,3,7,8-TCDD	29546200	0.79	y	18:53	0.95	10.00	n
Total TCDD	-	-	n	-	0.95	10.00	n
37Cl-2,3,7,8-TCDD	67170000	1.00	y	18:53	2.18	10.00	n
13C-1,2,3,7,8-PeCDF	335656000	1.65	y	23:30	1.09	100.00	n
1,2,3,7,8-PeCDF	174948900	1.63	y	23:32	1.04	50.00	n
2,3,4,7,8-PeCDF	162654400	1.64	y	24:57	0.97	50.00	n
Total F2 PeCDF	-	-	n	-	1.01	100.00	n
Total F1 PeCDF	-	-	n	-	1.01	100.00	n
13C-1,2,3,7,8-PeCDD	205985000	1.67	y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	97299200	1.65	y	25:43	0.94	50.00	n
Total PeCDD	-	-	n	-	0.94	50.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51	y	31:25	0.90	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25	y	31:26	1.31	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25	y	31:35	1.48	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29	y	32:16	1.32	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26	y	33:02	1.44	50.00	n
Total HxCDF	-	-	n	-	1.39	200.00	n
13C-1,2,3,6,7,8-HxCDD	199181900	1.29	y	32:31	0.75	100.00	n
1,2,3,4,7,8-HxCDD	97513000	1.26	y	32:26	0.98	50.00	n
1,2,3,6,7,8-HxCDD	109018400	1.29	y	32:32	1.09	50.00	n
1,2,3,7,8,9-HxCDD	132727200	1.29	y	32:50	1.33	50.00	n
Total HxCDD	-	-	n	-	1.14	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	232544000	0.43	y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	156361300	1.03	y	34:35	1.34	50.00	n
1,2,3,4,7,8,9-HpCDF	138612200	1.05	y	35:52	1.19	50.00	n
Total HpCDF	-	-	n	-	1.27	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	199167200	1.09	y	35:30	0.75	100.00	n
1,2,3,4,6,7,8-HpCDD	105004000	1.05	y	35:31	1.05	50.00	n
Total HpCDD	-	-	n	-	1.05	50.00	n
13C-OCDD	301292000	0.91	y	38:17	0.57	200.00	n
OCDF	228515000	0.90	y	38:25	1.52	100.00	n
OCDD	174447000	0.89	y	38:18	1.16	100.00	n

Run #4 Filename 31DE09A1D5 S: 5 I: 1
Acquired: 1-JAN-10 02:14:32 Processed: 4-JAN-10 07:30:49
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231E :CS-4 09DXN426

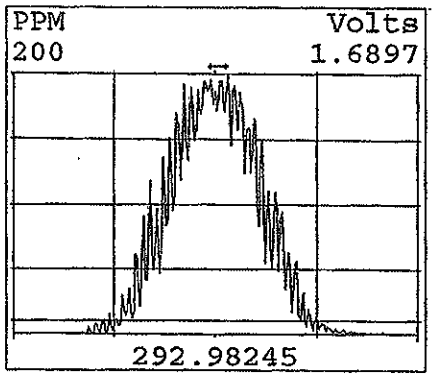
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	360177000	0.81	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	552269000	0.80	y	18:06	1.53	100.00	n
2,3,7,8-TCDF	200867500	0.77	y	18:07	0.91	40.00	n
Total TCDF	-	-	n	-	0.91	40.00	n
13C-2,3,7,8-TCDD	350941000	0.80	y	18:52	0.97	100.00	n
2,3,7,8-TCDD	141705800	0.77	y	18:53	1.01	40.00	n
Total TCDD	-	-	n	-	1.01	40.00	n
37Cl-2,3,7,8-TCDD	335352000	1.00	y	18:53	2.33	40.00	n
13C-1,2,3,7,8-PeCDF	369215000	1.63	y	23:31	1.03	100.00	n
1,2,3,7,8-PeCDF	814732000	1.58	y	23:32	1.10	200.00	n
2,3,4,7,8-PeCDF	775079000	1.57	y	24:57	1.05	200.00	n
Total F2 PeCDF	-	-	n	-	1.08	400.00	n
Total F1 PeCDF	-	-	n	-	1.08	400.00	n
13C-1,2,3,7,8-PeCDD	239834200	1.64	y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	500625000	1.60	y	25:44	1.04	200.00	n
Total PeCDD	-	-	n	-	1.04	200.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51	y	31:25	0.76	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26	y	31:26	1.33	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27	y	31:35	1.51	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26	y	32:16	1.36	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26	y	33:02	1.57	200.00	n
Total HxCDF	-	-	n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	219899700	1.29	y	32:31	0.61	100.00	n
1,2,3,4,7,8-HxCDD	507310000	1.25	y	32:27	1.15	200.00	n
1,2,3,6,7,8-HxCDD	512249000	1.28	y	32:32	1.16	200.00	n
1,2,3,7,8,9-HxCDD	690425000	1.27	y	32:51	1.57	200.00	n
Total HxCDD	-	-	n	-	1.30	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	278355600	0.44	y	34:34	0.78	100.00	n
1,2,3,4,6,7,8-HpCDF	784068000	1.04	y	34:35	1.41	200.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04	y	35:53	1.27	200.00	n
Total HpCDF	-	-	n	-	1.34	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	244993000	1.09	y	35:31	0.68	100.00	n
1,2,3,4,6,7,8-HpCDD	539498000	1.05	y	35:31	1.10	200.00	n
Total HpCDD	-	-	n	-	1.10	200.00	n
13C-OCDD	366780000	0.90	y	38:18	0.51	200.00	n
OCDF	1195334000	0.91	y	38:25	1.63	400.00	n
OCDD	901352000	0.90	y	38:18	1.23	400.00	n

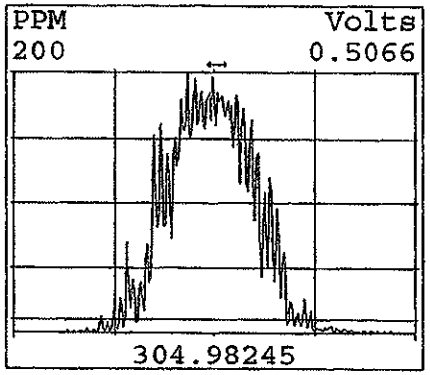
Run #5 Filename 31DE09A1D5 S: 6 I: 1
Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 07:30:50
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231F :CS-5 09DXN456

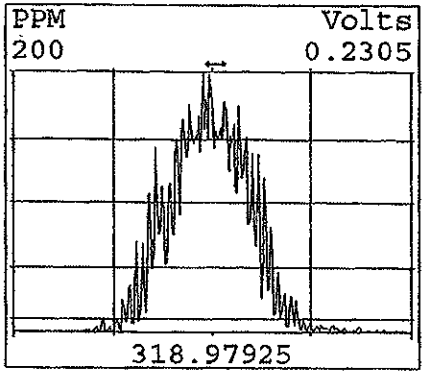
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	223948500	0.79	y	18:39	-	100.00	n
13C-2,3,7,8-TCDF	370833000	0.77	y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76	y	18:06	0.98	200.00	n
Total TCDF	-	-	n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80	y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78	y	18:52	1.07	200.00	n
Total TCDD	-	-	n	-	1.07	200.00	n
37Cl-2,3,7,8-TCDD	1227666000	1.00	y	18:52	2.74	200.00	n
13C-1,2,3,7,8-PeCDF	283018000	1.63	y	23:30	1.26	100.00	n
1,2,3,7,8-PeCDF	3129820000	1.57	y	23:32	1.11	1000.00	n
2,3,4,7,8-PeCDF	2975790000	1.57	y	24:57	1.05	1000.00	n
Total F2 PeCDF	-	-	n	-	1.08	2000.00	n
Total F1 PeCDF	-	-	n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	178526400	1.62	y	25:42	0.80	100.00	n
1,2,3,7,8-PeCDD	1892442000	1.58	y	25:44	1.06	1000.00	n
Total PeCDD	-	-	n	-	1.06	1000.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51	y	31:25	0.94	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24	y	31:27	1.32	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26	y	31:35	1.45	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25	y	32:16	1.36	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26	y	33:03	1.42	1000.00	n
Total HxCDF	-	-	n	-	1.38	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27	y	32:31	0.78	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25	y	32:27	1.11	1000.00	n
1,2,3,6,7,8-HxCDD	2046135000	1.28	y	32:32	1.15	1000.00	n
1,2,3,7,8,9-HxCDD	2448250000	1.27	y	32:51	1.37	1000.00	n
Total HxCDD	-	-	n	-	1.21	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	201777500	0.44	y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	2821880000	1.05	y	34:35	1.40	1000.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04	y	35:53	1.27	1000.00	n
Total HpCDF	-	-	n	-	1.33	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	180867800	1.08	y	35:31	0.79	100.00	n
1,2,3,4,6,7,8-HpCDD	1991700000	1.05	y	35:32	1.10	1000.00	n
Total HpCDD	-	-	n	-	1.10	1000.00	n
13C-OCDD	281979000	0.89	y	38:19	0.61	200.00	n
OCDF	4472470000	0.91	y	38:26	1.59	2000.00	n
OCDD	3427190000	0.90	y	38:20	1.22	2000.00	n

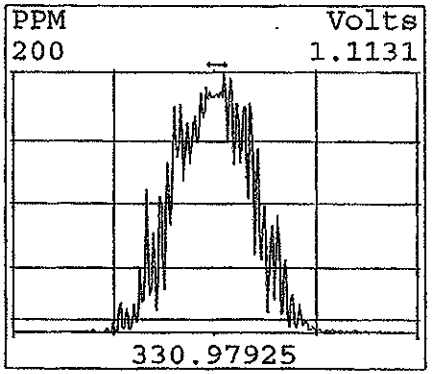
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
31DE09A1D5	1	CP1231A	DB-5 CPSM 3732-04				1.000	
31DE09A1D5	2	ST1231B	CS-1 09DXN422				1.000	
31DE09A1D5	3	ST1231C	CS-2 09DXN423				1.000	
31DE09A1D5	4	ST1231D	CS-3 09DXN425				1.000	
31DE09A1D5	5	ST1231E	CS-4 09DXN426				1.000	
31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
31DE09A1D5	8	ST1231G	2nd Source 09DXN449	500	1613B/8290		1.000	
31DE09A1D5	9						1.000	
31DE09A1D5	10						1.000	
31DE09A1D5	11						1.000	
31DE09A1D5	12						1.000	
31DE09A1D5	13						1.000	
31DE09A1D5	14						1.000	
31DE09A1D5	15		AM 12-31-09				1.000	
31DE09A1D5	16						1.000	

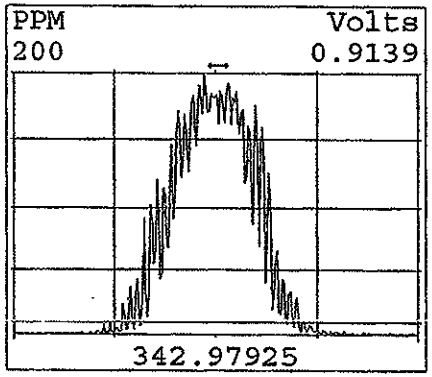
Peak Locate Examination:31-DEC-2009:23:19 File:31DE09A1D5
Experiment:DIOXIN Function:1 Reference:PFK

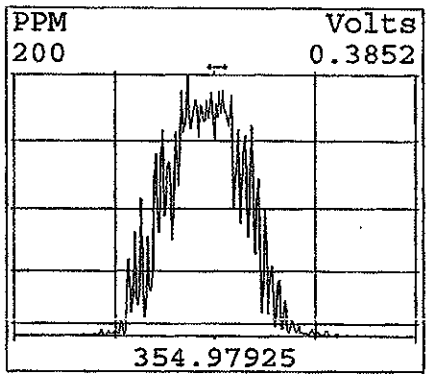


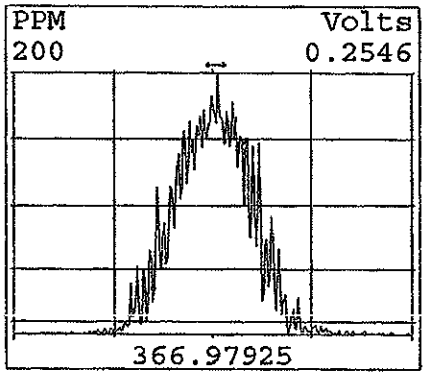


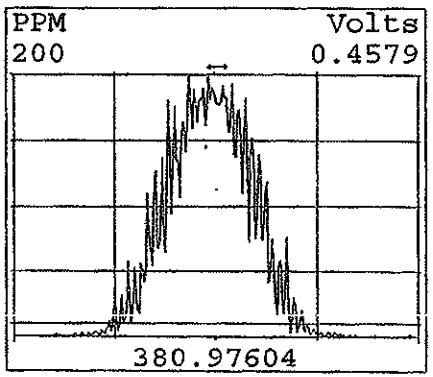


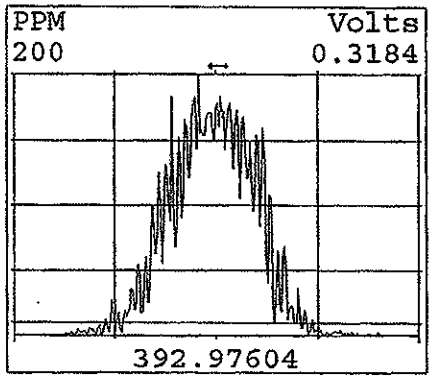


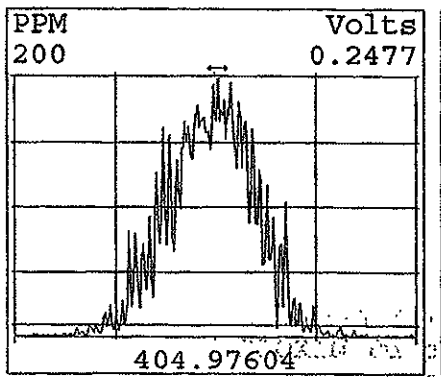


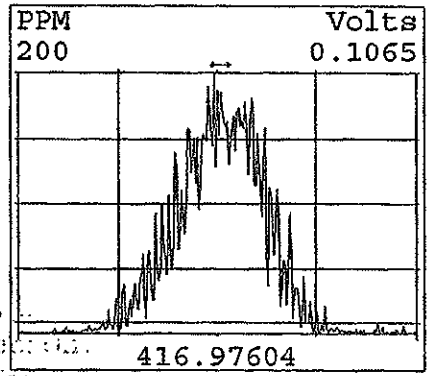




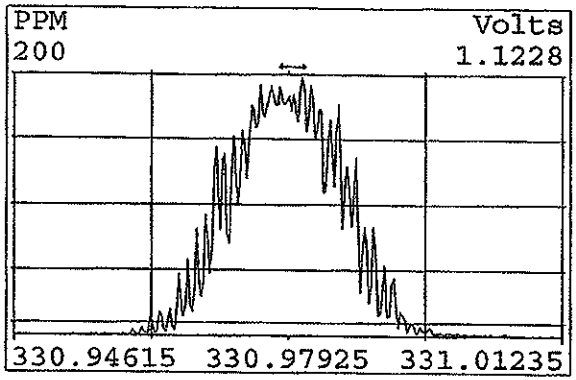


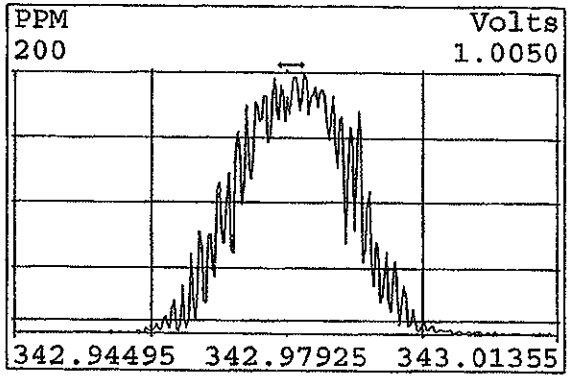


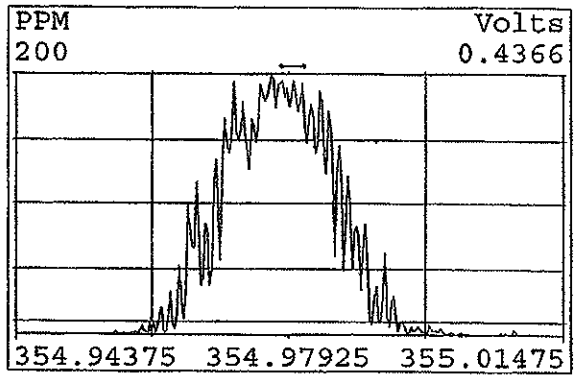


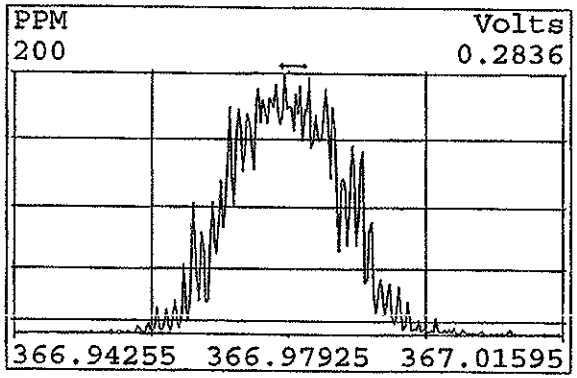


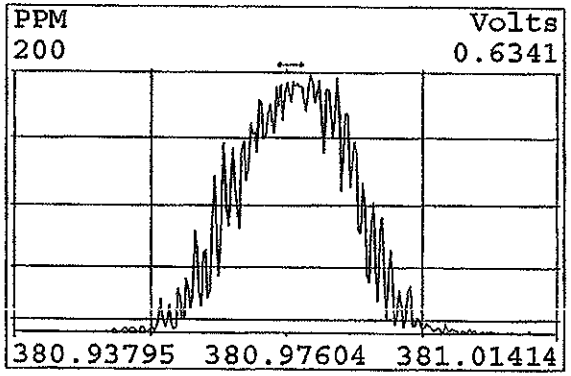
Peak Locate Examination:31-DEC-2009:23:20 File:31DE09A1D5
Experiment:DIOXIN Function:2 Reference:PFK

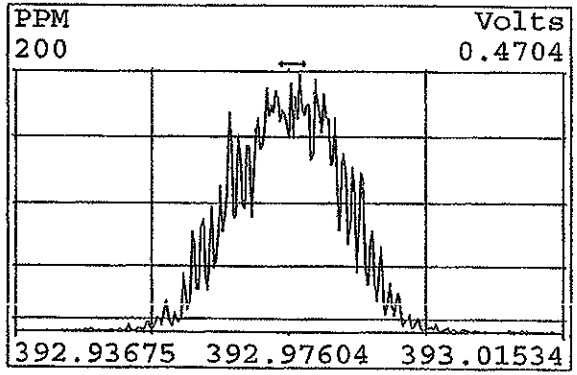


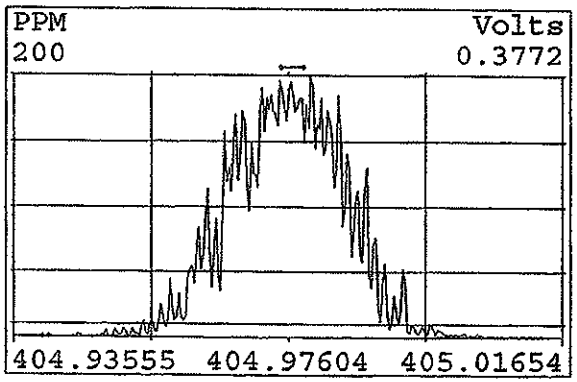


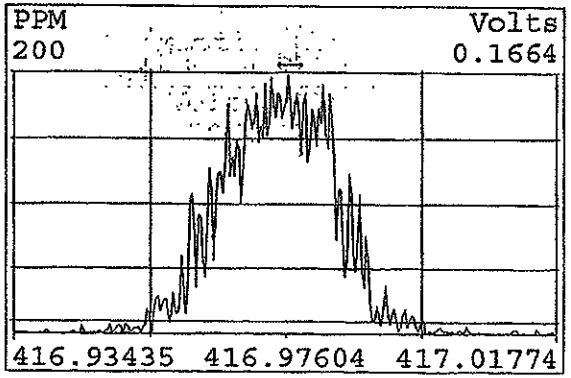




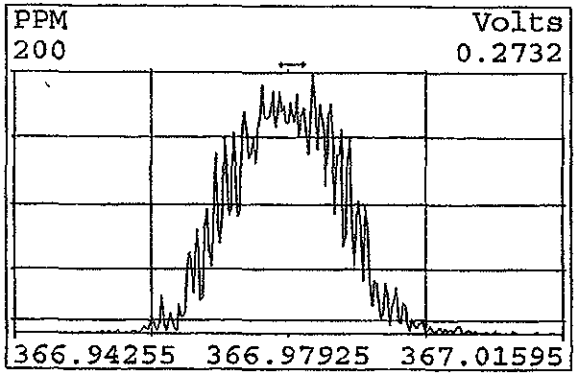


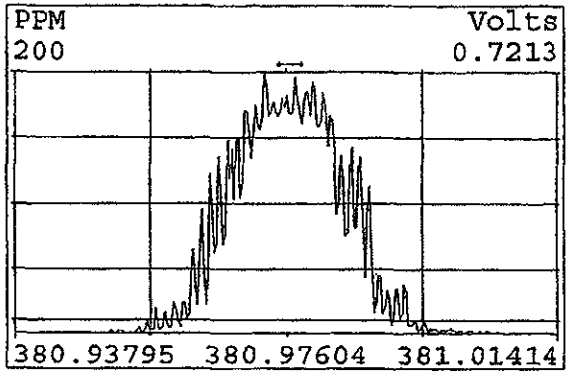


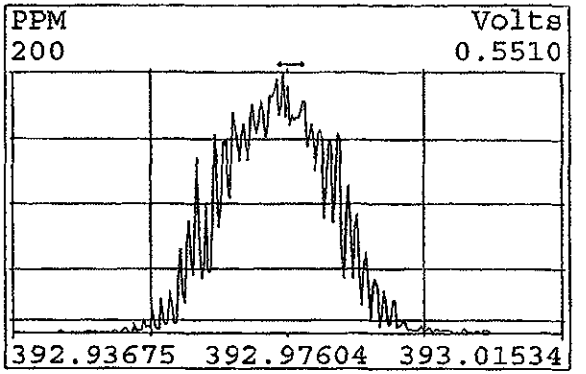


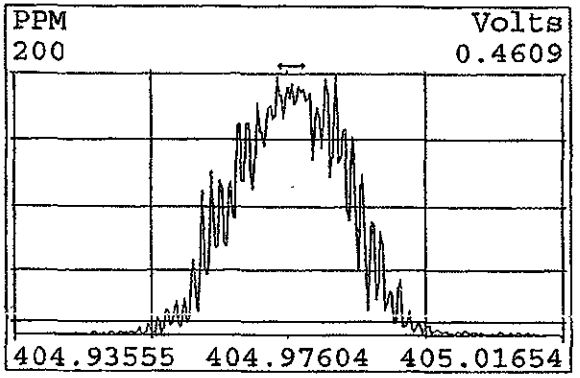


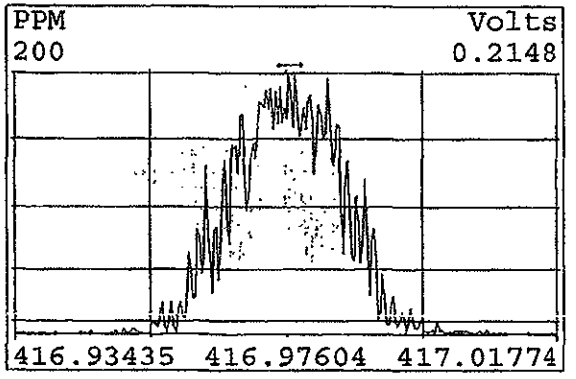
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5
Experiment:DIOXIN Function:3 Reference:PFK

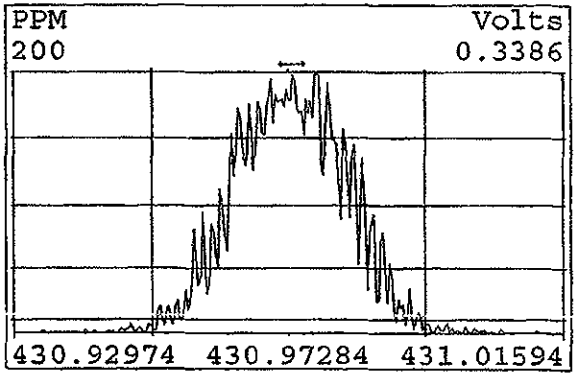


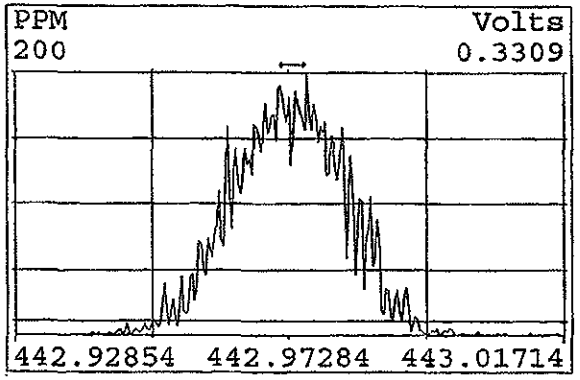


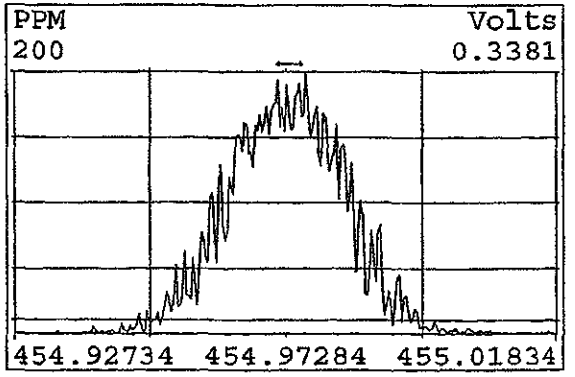




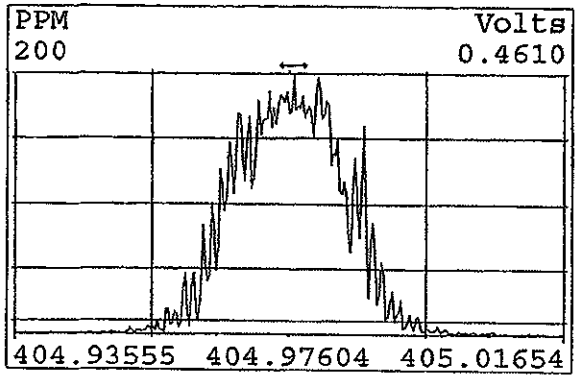


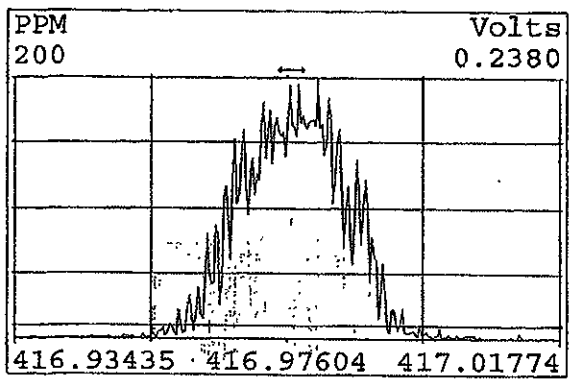


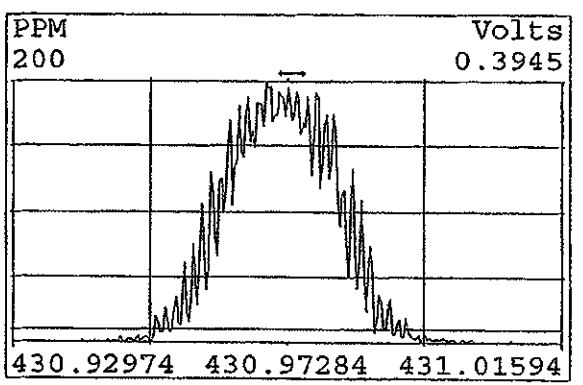


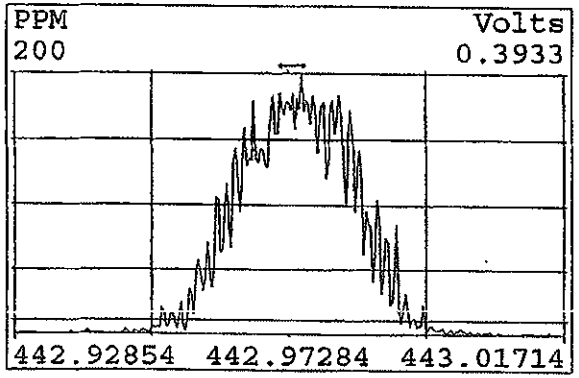


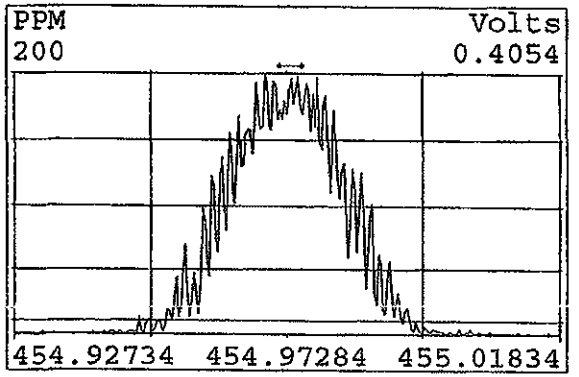
Peak Locate Examination:31-DEC-2009:23:22 File:31DE09A1D5
Experiment:DIOXIN Function:4 Reference:PFK

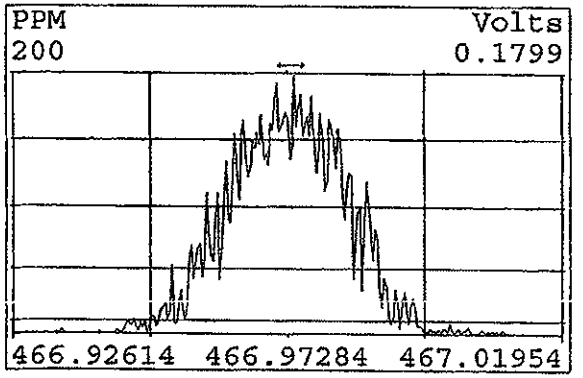


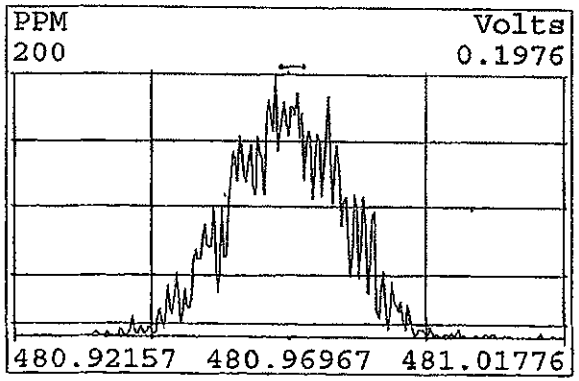




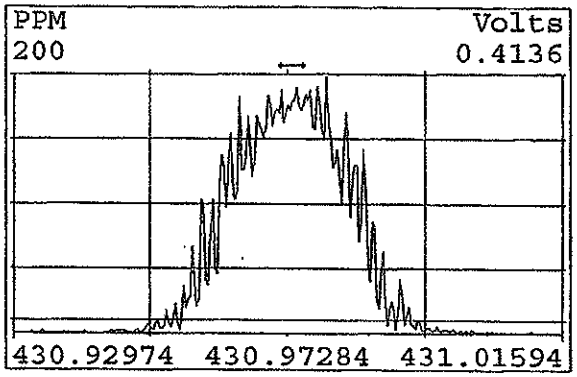


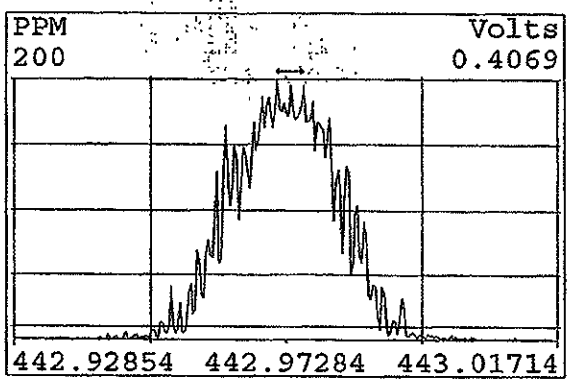


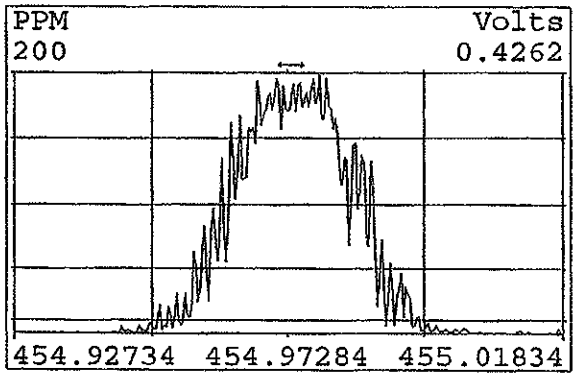


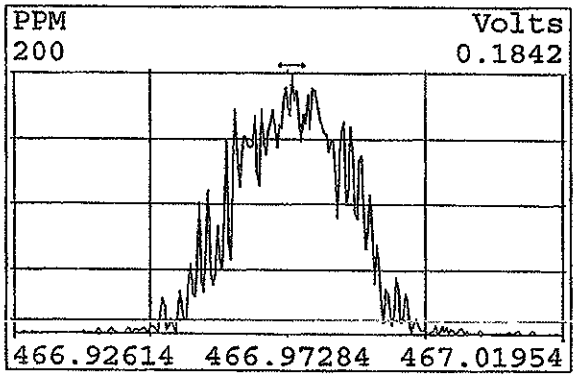


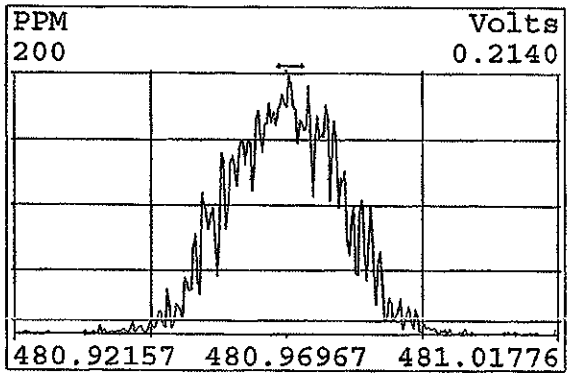
Peak Locate Examination:31-DEC-2009:23:24 File:31DE09A1D5
Experiment:DIOXIN Function:5 Reference:PFK

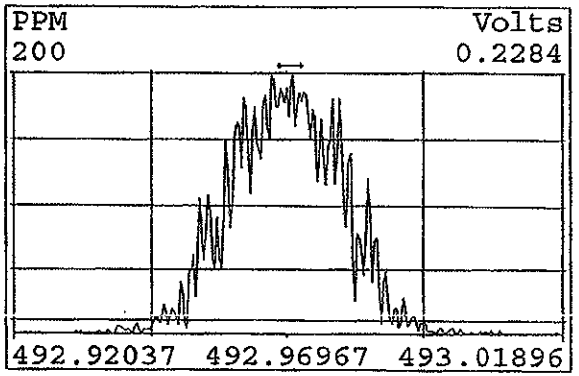


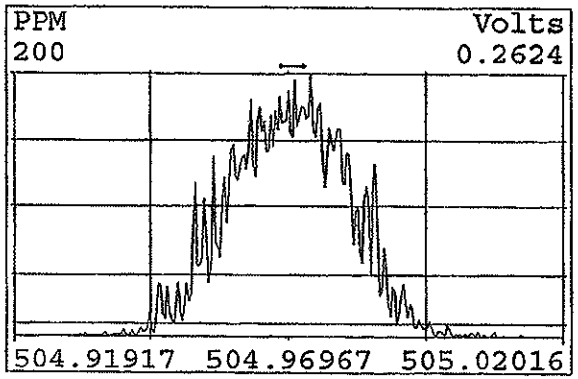


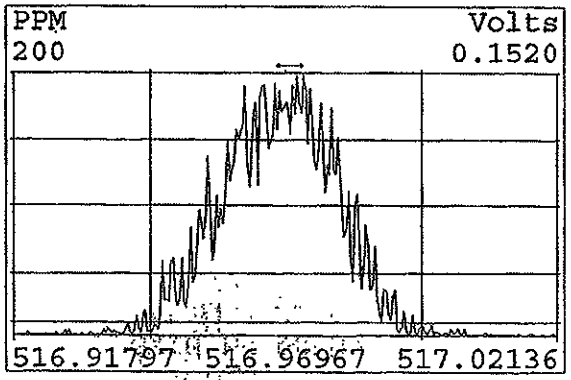




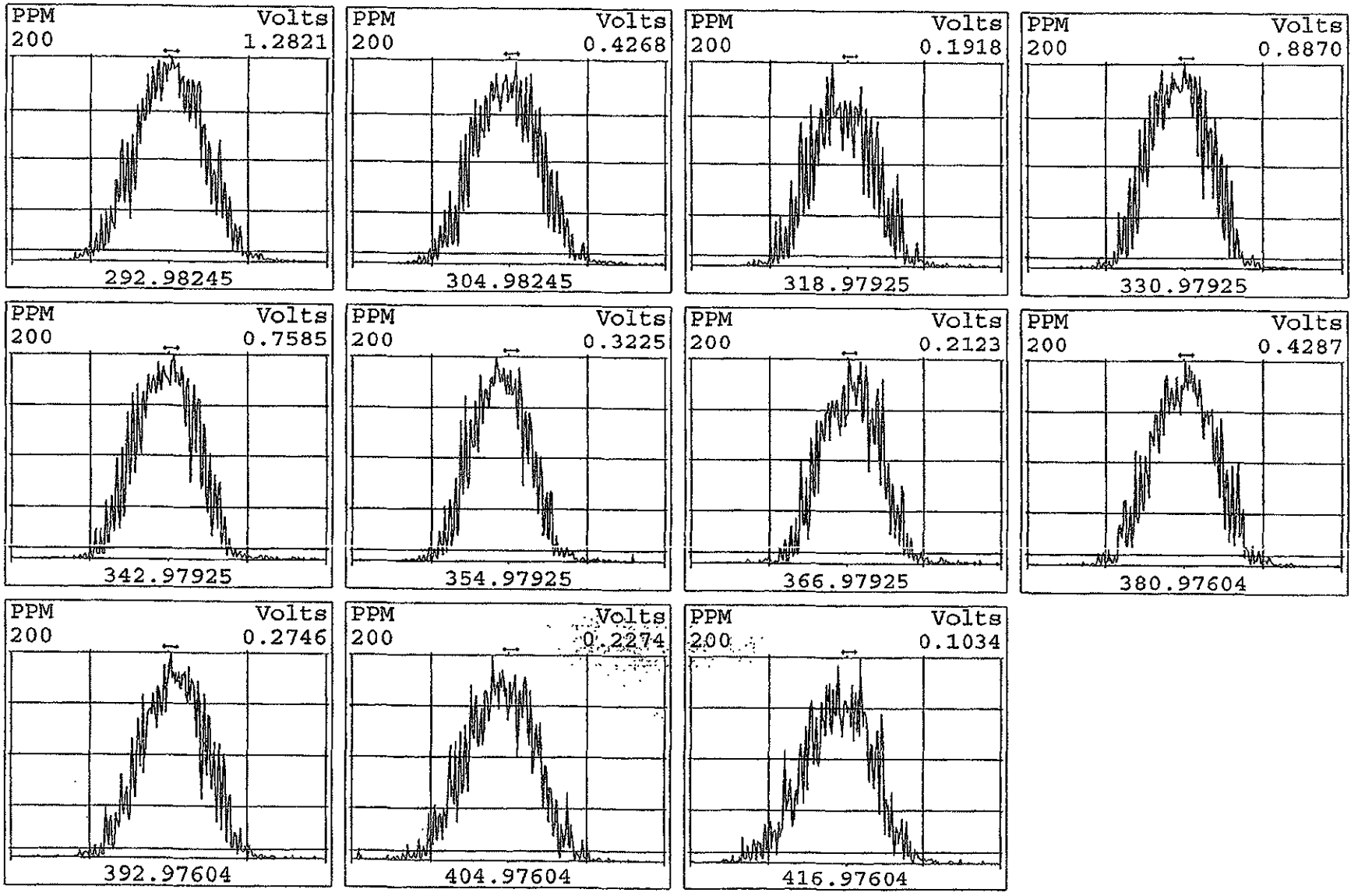




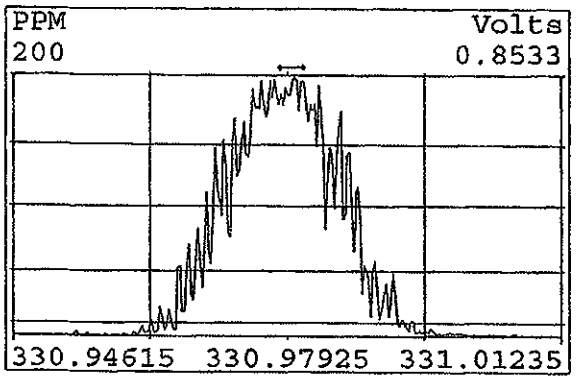


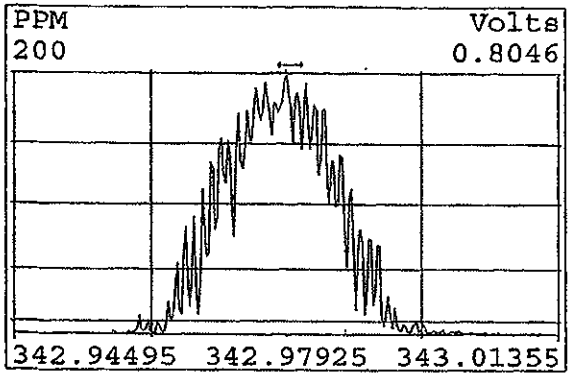


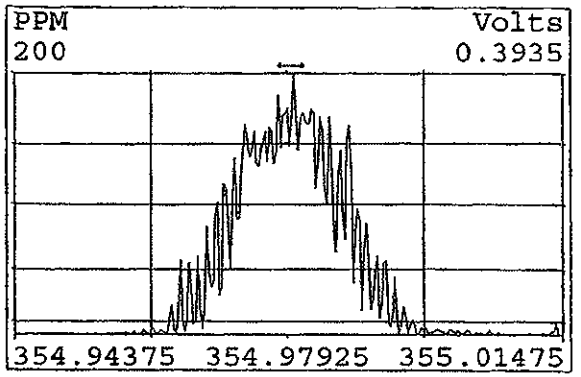
Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5
Experiment:DIOXIN Function:1 Reference:PFK

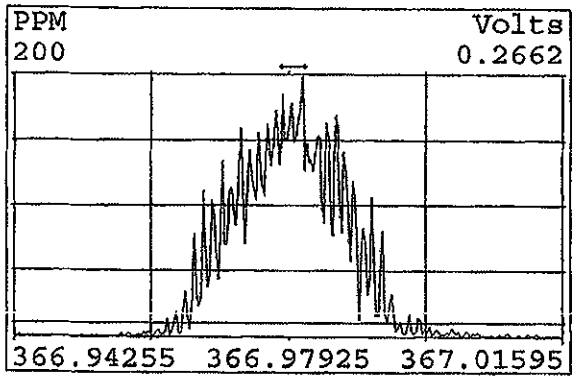


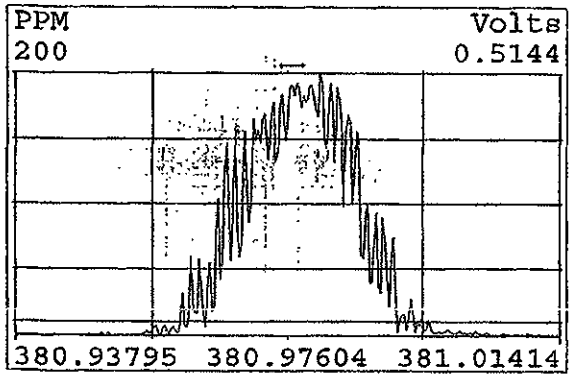
Peak Locate Examination: 1-JAN-2010:07:37 File:RESCHECK1D5
Experiment:DIOXIN Function:2 Reference:PFK

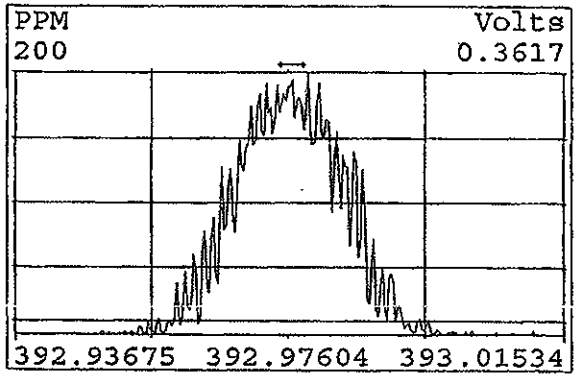


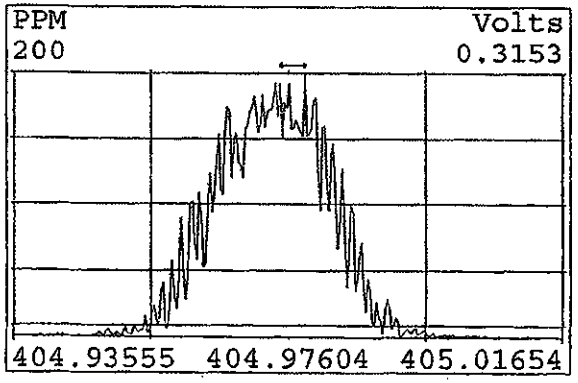


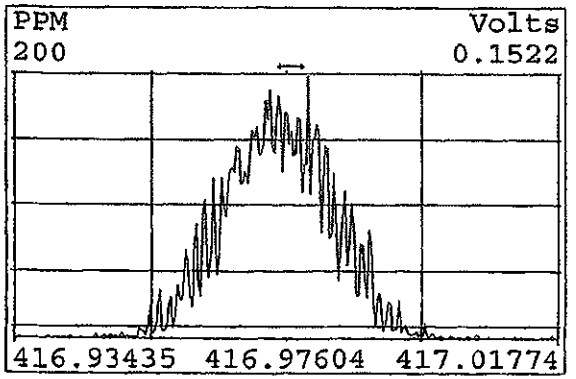




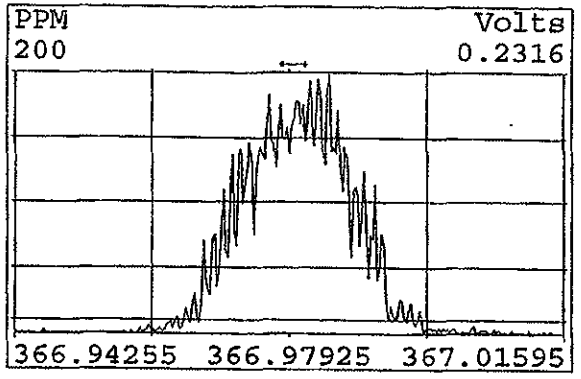


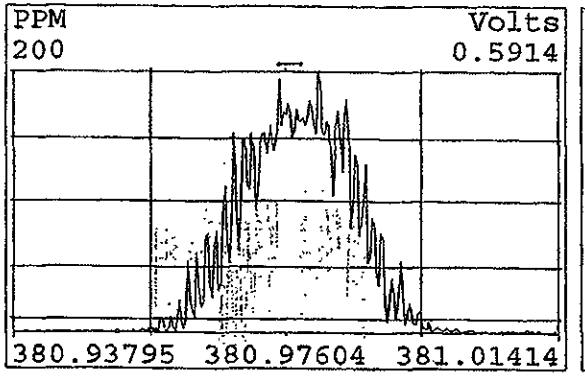


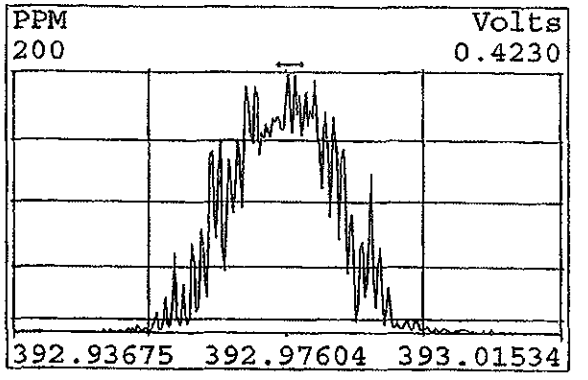


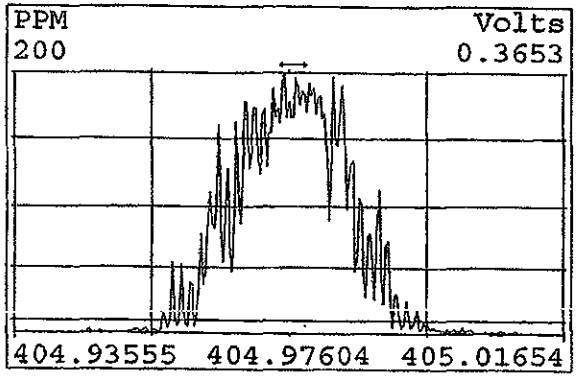


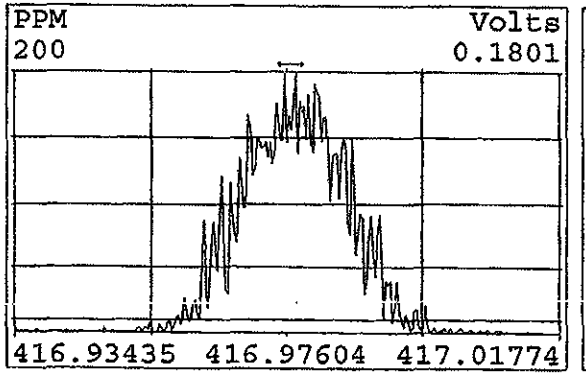
Peak Locate Examination: 1-JAN-2010:07:38 File:RESCHECK1D5
Experiment:DIOXIN Function:3 Reference:PFK

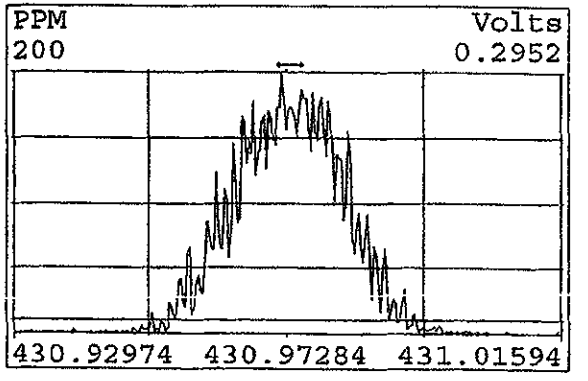


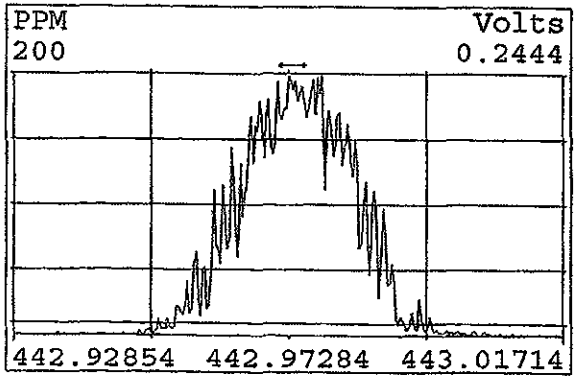


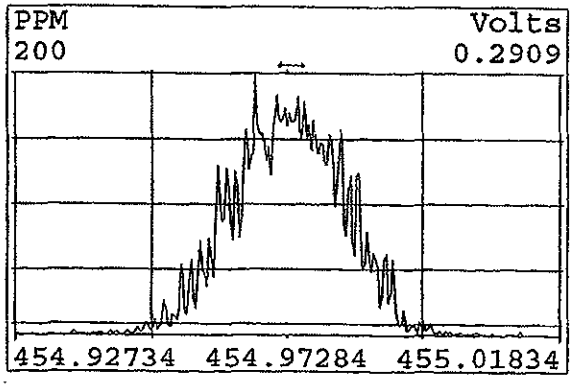




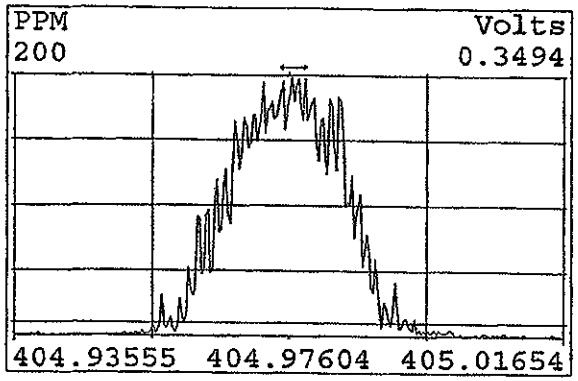


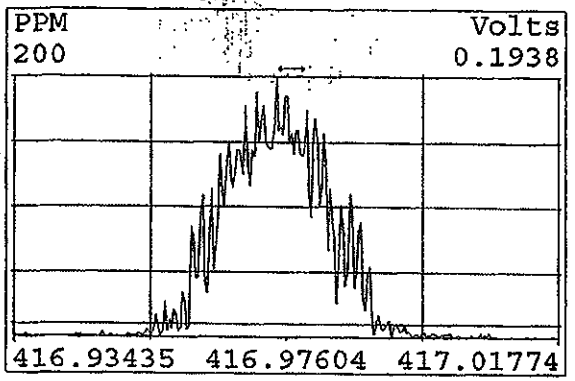


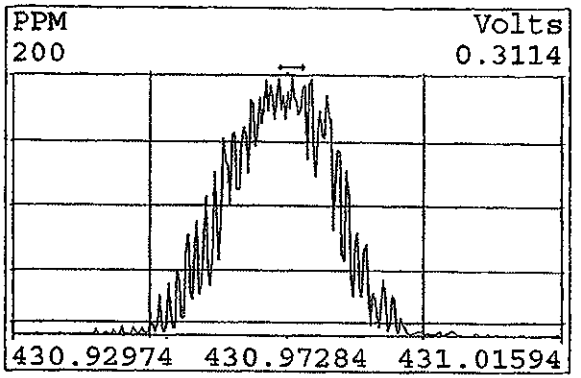


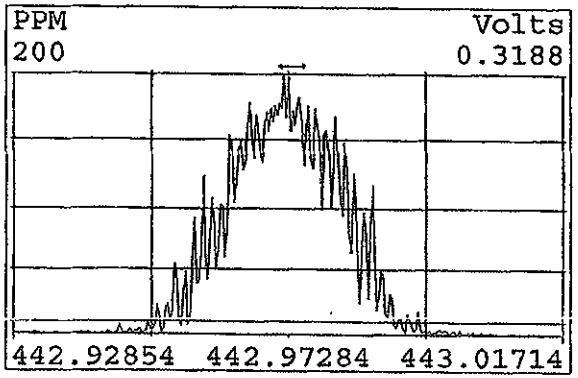


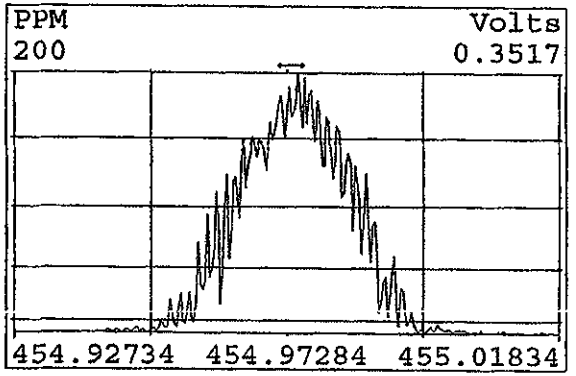
Peak Locate Examination: 1-JAN-2010:07:39 File:RESCHECK1D5
Experiment:DIOXIN Function:4 Reference:PFK

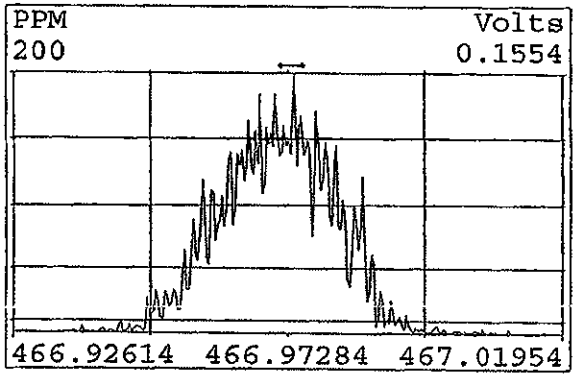


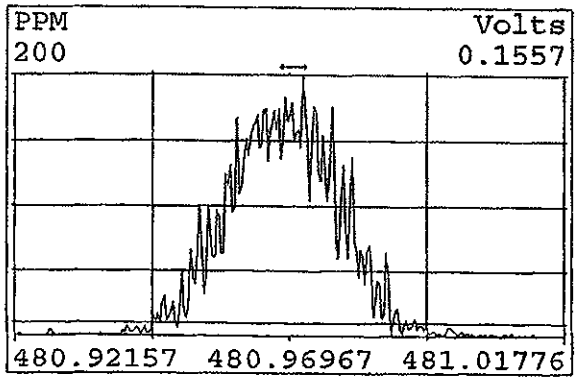




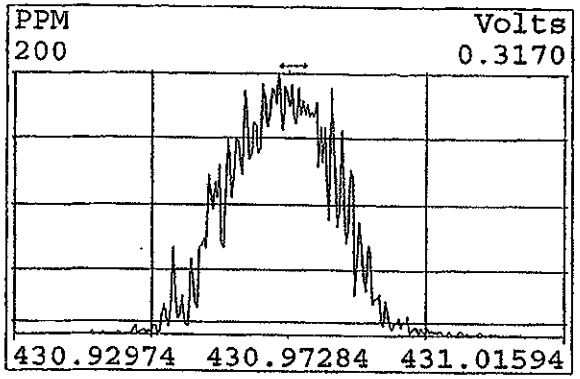


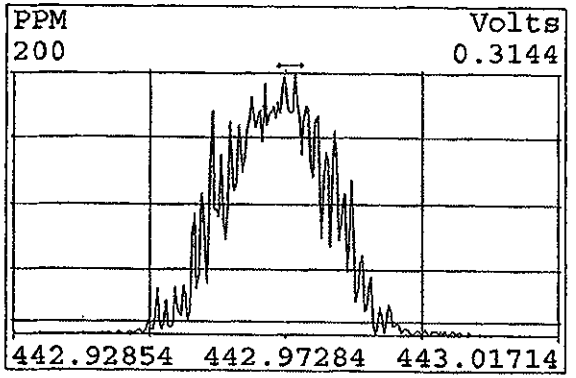


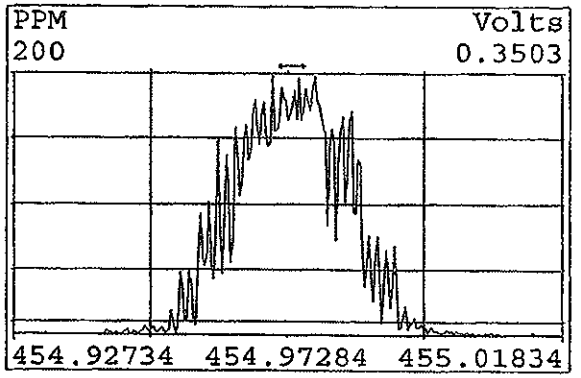


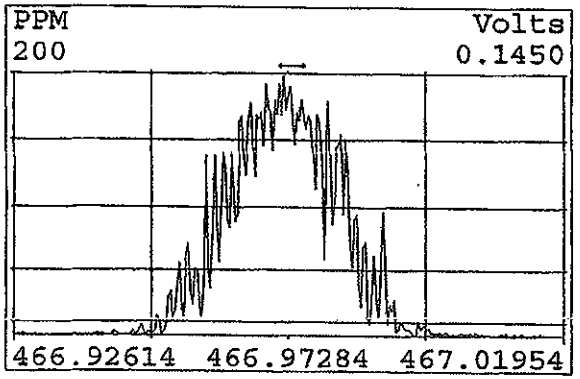


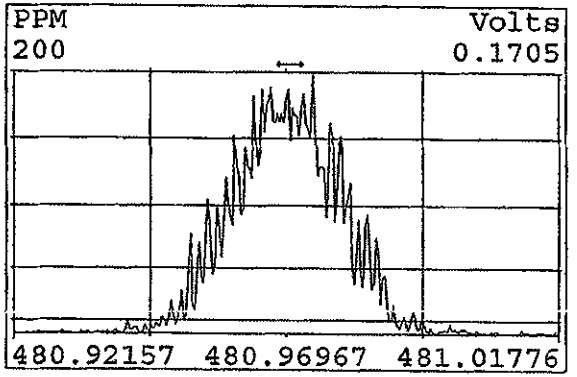
Peak Locate Examination: 1-JAN-2010:07:40 File:RESCHECK1D5
Experiment:DIOXIN Function:5 Reference:PFK

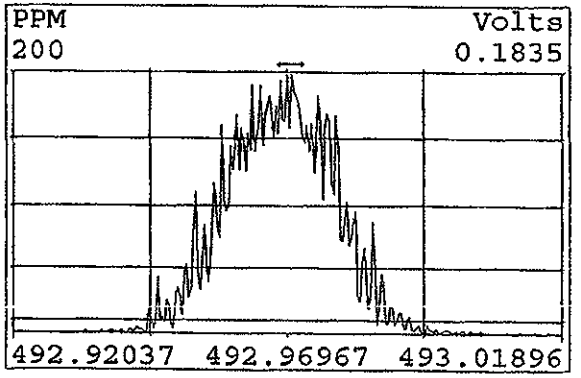


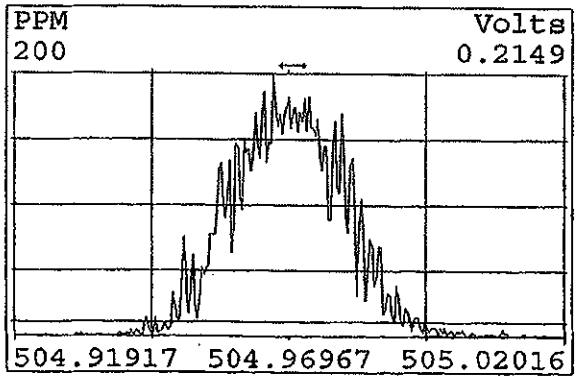


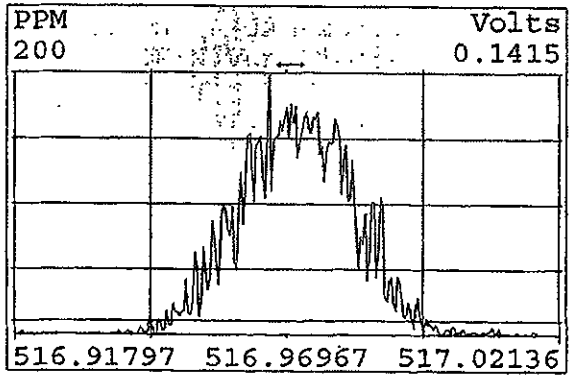


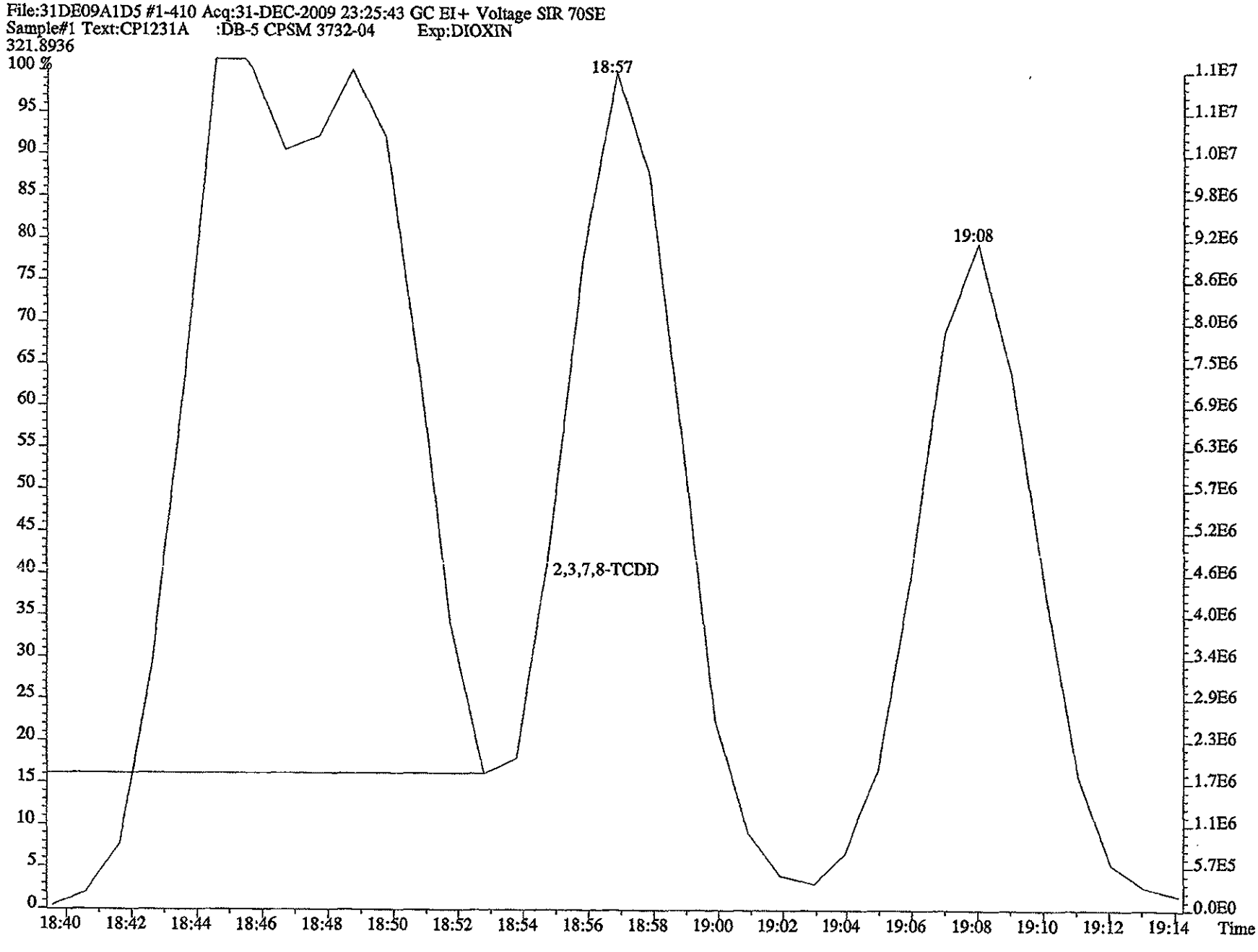










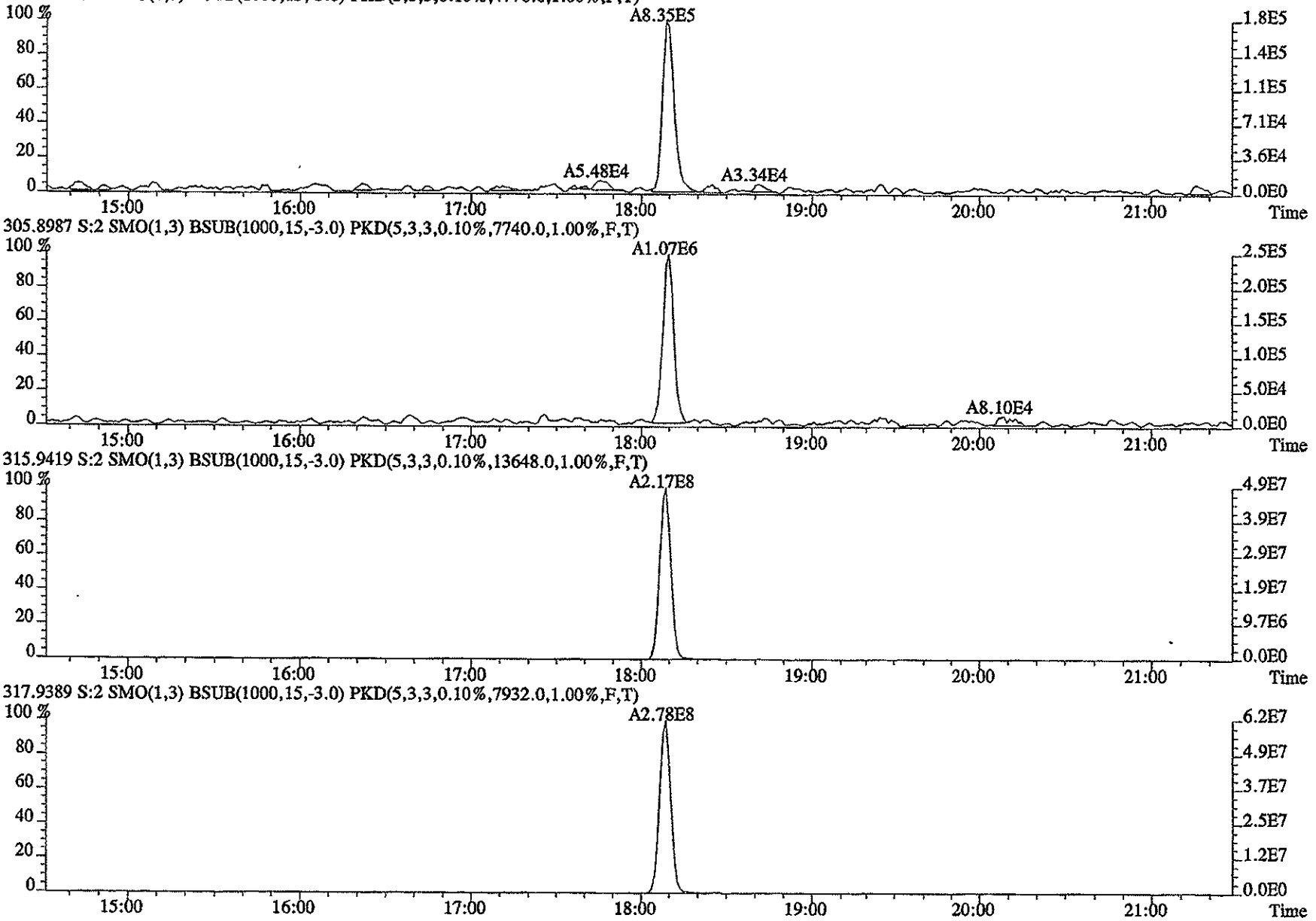


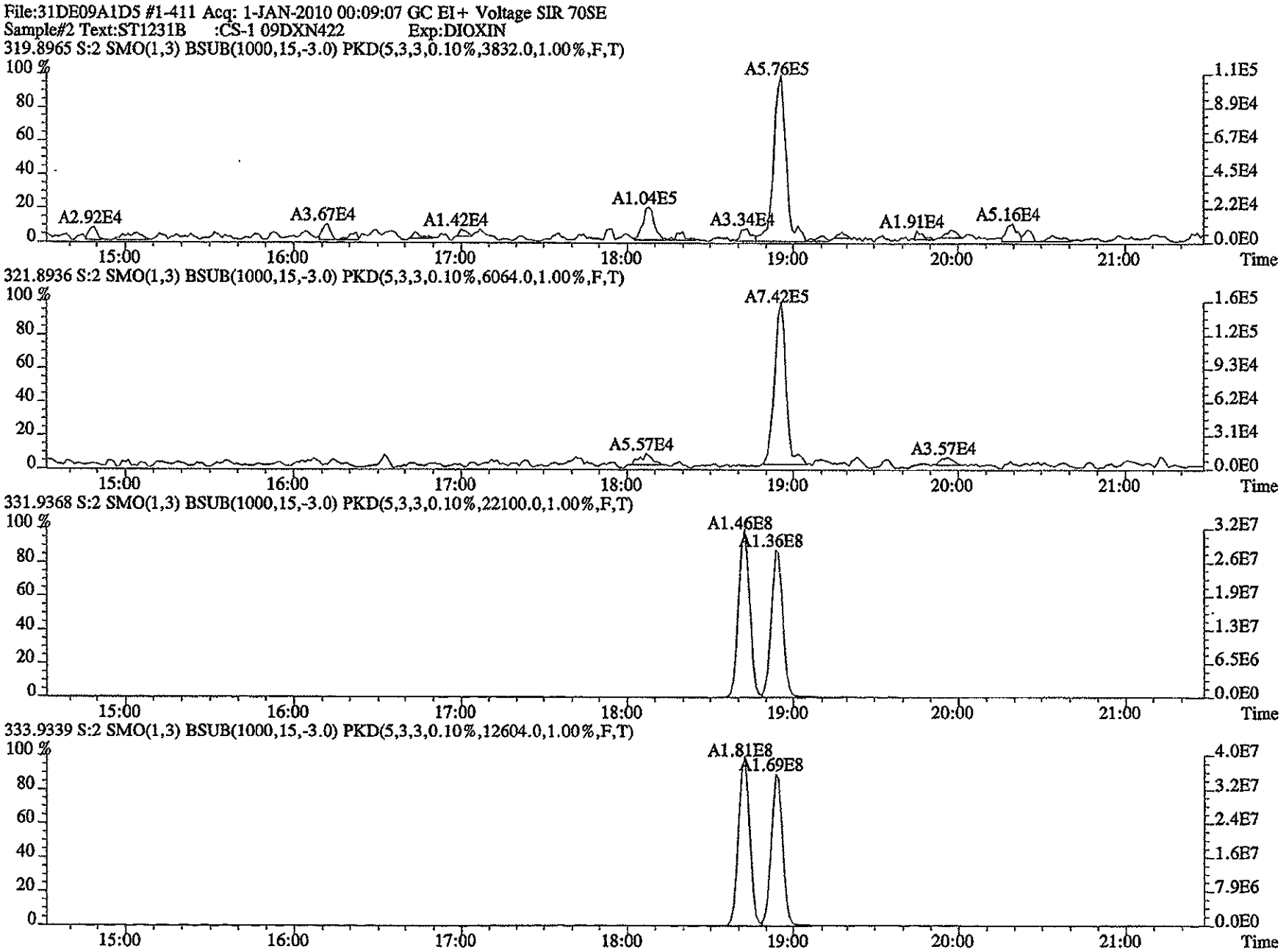
Run text: ST1231G Sample text: ST1231G :2nd Source 09DXN449
Run #6 Filename: 31DE09A1D5 S: 8 I: 1 Results: 31DE09A1D51613
Acquired: 1-JAN-10 04:19:56 Processed: 4-JAN-10 08:47:22
Run: 31DE09A1D5 Analyte: 1613 Cal: 16131231091D5
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	233268000	0.81	y	18:42	-	74.89	-	3.7	n
13C-2,3,7,8-TCDF	353417000	0.79	y	18:09	1.57	1934.92	1.89	96.7	n
2,3,7,8-TCDF	29473900	0.75	y	18:10	0.86	193.98	1.19	-	n
Total TCDF	29878342	0.71	y	17:44	0.86	196.64	1.19	-	n
13C-2,3,7,8-TCDD	237599000	0.79	y	18:54	0.99	2050.84	3.63	102.5	n
2,3,7,8-TCDD	20517060	0.77	y	18:55	0.93	184.95	1.19	-	n
Total TCDD	20584547	4.35	n	18:08	0.93	185.56	1.19	-	n
37Cl-2,3,7,8-TCDD	54584600	1.00	y	18:55	2.22	210.99	0.58	105.5	n
13C-1,2,3,7,8-PeCDF	258286200	1.61	y	23:34	1.07	2064.12	1.55	103.2	n
1,2,3,7,8-PeCDF	61444300	1.63	y	23:35	1.00	475.75	1.74	-	n
13C-2,3,4,7,8-PeCDF	243753700	1.62	y	24:59	1.03	2025.63	1.61	101.3	n
2,3,4,7,8-PeCDF	55918300	1.65	y	25:01	0.98	469.60	2.00	-	n
Total F2 PeCDF	119226673	0.82	n	22:06	0.99	960.37	1.86	-	n
Total F1 PeCDF	218994	0.56	n	16:04	0.99	1.76	1.60	-	n
13C-1,2,3,7,8-PeCDD	156506400	1.64	y	25:46	0.67	2013.73	1.54	100.7	n
1,2,3,7,8-PeCDD	33662100	1.63	y	25:48	0.93	462.96	2.68	-	n
Total PeCDD	33824671	3.66	n	25:27	0.93	465.20	2.68	-	n
13C-1,2,3,7,8,9-HxCDD	177940200	1.25	y	32:51	-	64.87	-	-	n
13C-1,2,3,4,7,8-HxCDF	184934800	0.51	y	31:27	0.89	2328.15	4.47	116.4	n
1,2,3,4,7,8-HxCDF	53136200	1.31	y	31:28	1.20	479.25	2.45	-	n
13C-1,2,3,6,7,8-HxCDF	244860900	0.52	y	31:36	1.14	2407.44	3.49	120.4	n
1,2,3,6,7,8-HxCDF	62674400	1.23	y	31:37	1.07	477.98	2.04	-	n
13C-2,3,4,6,7,8-HxCDF	206484200	0.51	y	32:17	0.99	2340.79	4.03	117.0	n
2,3,4,6,7,8-HxCDF	51999200	1.28	y	32:18	1.12	450.75	2.09	-	n
13C-1,2,3,7,8,9-HxCDF	200333300	0.51	y	33:03	1.07	2099.56	3.72	105.0	n
1,2,3,7,8,9-HxCDF	52210900	1.25	y	33:04	1.09	476.28	2.26	-	n
Total HxCDF	220020700	1.31	y	31:28	1.12	1884.27	2.20	-	n
13C-1,2,3,4,7,8-HxCDD	148948400	1.25	y	32:27	0.73	2291.14	1.29	114.6	n
1,2,3,4,7,8-HxCDD	35533800	1.25	y	32:28	0.97	493.76	1.44	-	n
13C-1,2,3,6,7,8-HxCDD	152466700	1.30	y	32:33	0.73	2340.82	1.29	117.0	n
1,2,3,6,7,8-HxCDD	38830200	1.26	y	32:34	1.06	481.27	1.47	-	n
1,2,3,7,8,9-HxCDD	40200100	1.26	y	32:52	1.27	419.65	1.16	-	n
Total HxCDD	114605618	3.00	n	32:17	1.10	1395.19	1.34	-	n
13C-1,2,3,4,6,7,8-HpCDF	173164700	0.43	y	34:36	0.86	2262.83	6.25	113.1	n
1,2,3,4,6,7,8-HpCDF	54083400	1.05	y	34:37	1.29	485.50	1.92	-	n
13C-1,2,3,4,7,8,9-HpCDF	152527600	0.42	y	35:53	0.77	2233.57	7.00	111.7	n
1,2,3,4,7,8,9-HpCDF	44615700	1.05	y	35:54	1.27	459.77	2.42	-	n
Total HpCDF	98699100	1.05	y	34:37	1.28	945.27	2.15	-	n

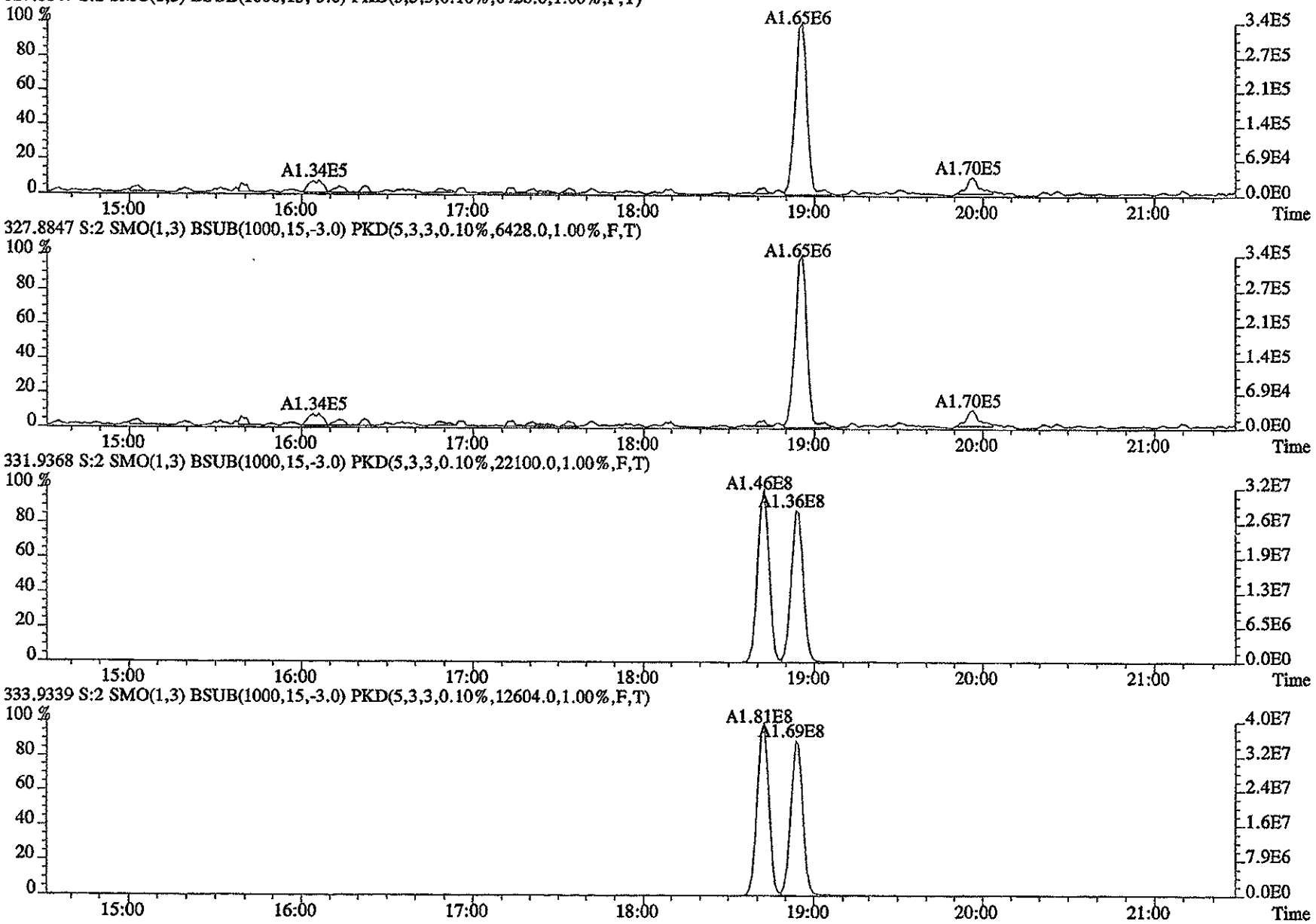
13C-1,2,3,4,6,7,8-HpCDD	150261100	1.06	y	35:32	0.75	2245.36	4.02	112.3	n
1,2,3,4,6,7,8-HpCDD	35301400	1.05	y	35:33	1.00	470.89	2.29	-	n
Total HpCDD	35553500	0.78	n	34:54	1.00	474.25	2.29	-	n
13C-OCDD	214408000	0.91	y	38:20	0.56	4269.63	4.55	106.7	n
OCDF	71179900	0.89	y	38:28	1.44	923.89	2.51	-	n
OCDD	55918600	0.88	y	38:20	1.11	940.23	2.77	-	n

File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN



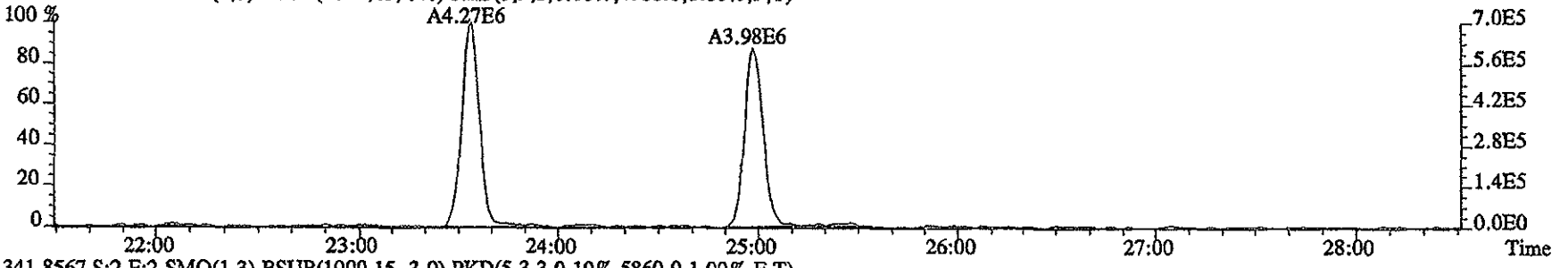


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

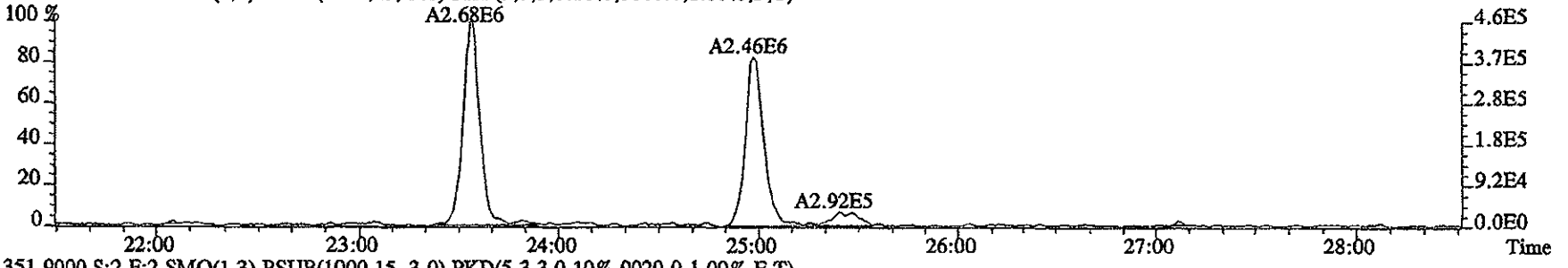


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

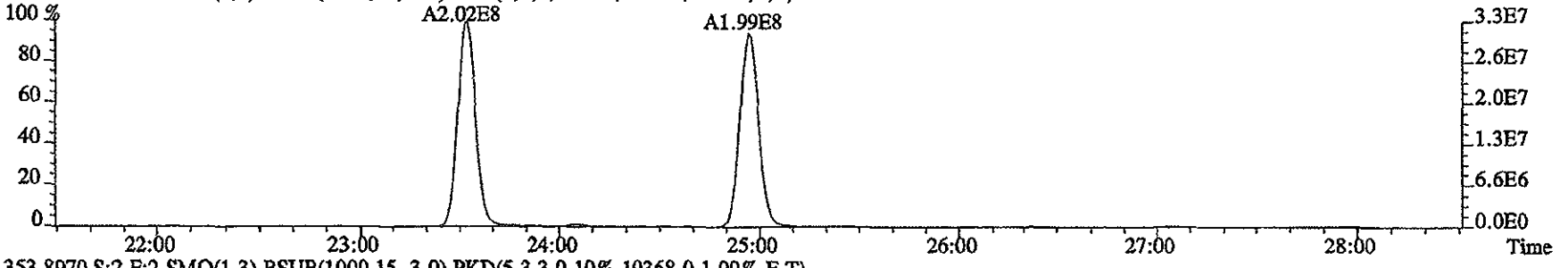
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)



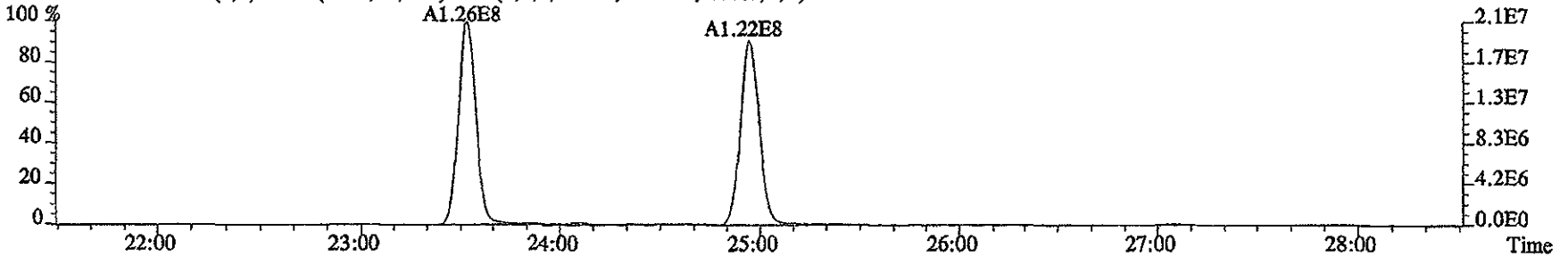
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)



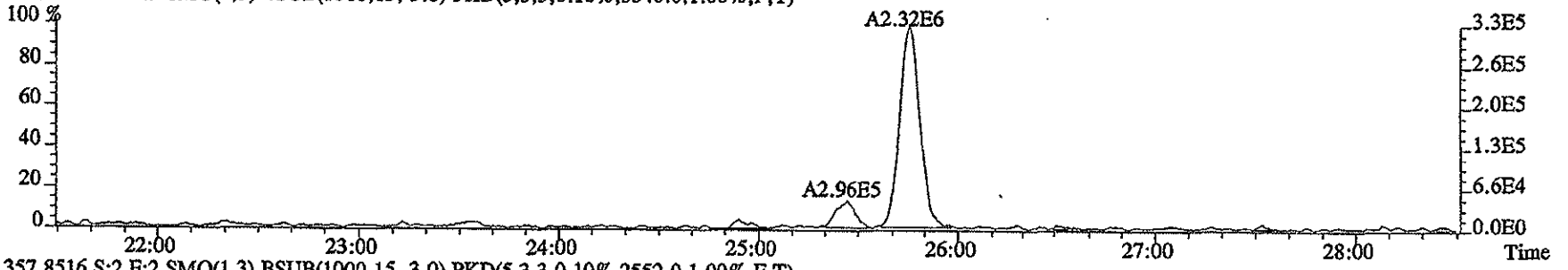
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9020.0,1.00%,F,T)



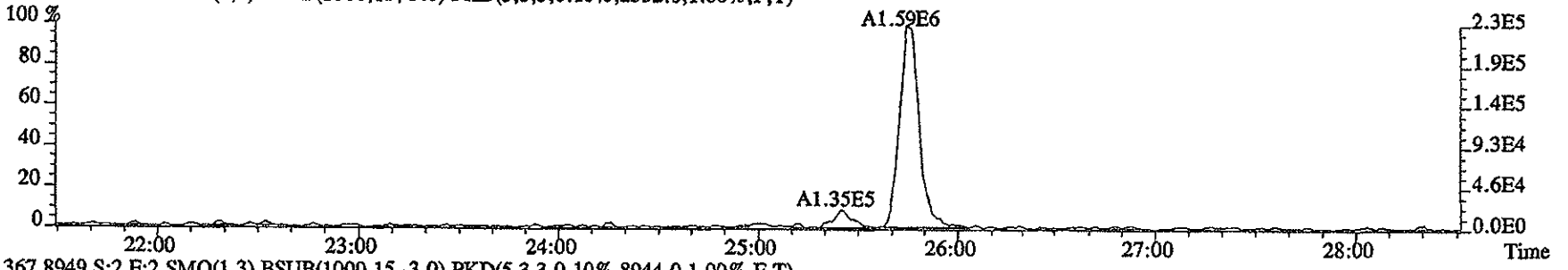
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10368.0,1.00%,F,T)



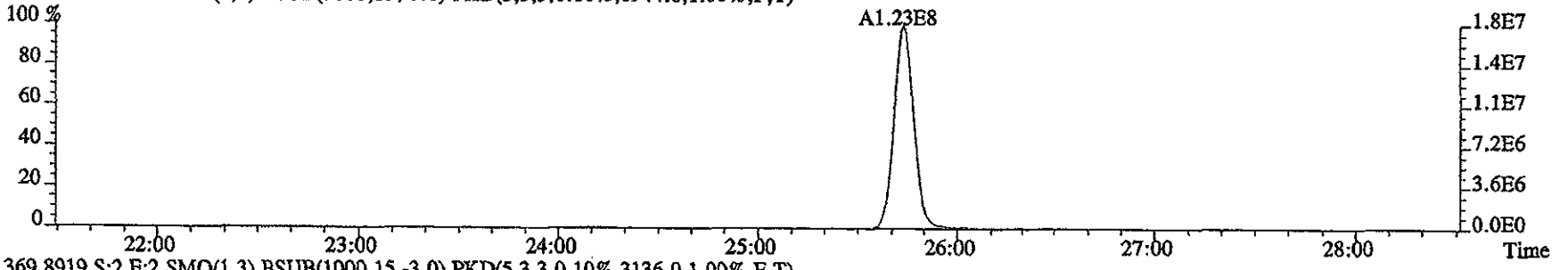
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5340.0,1.00%,F,T)



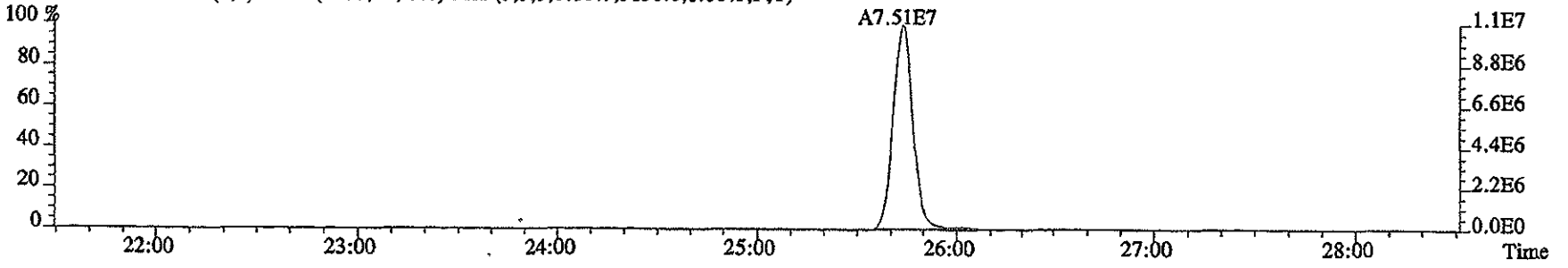
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



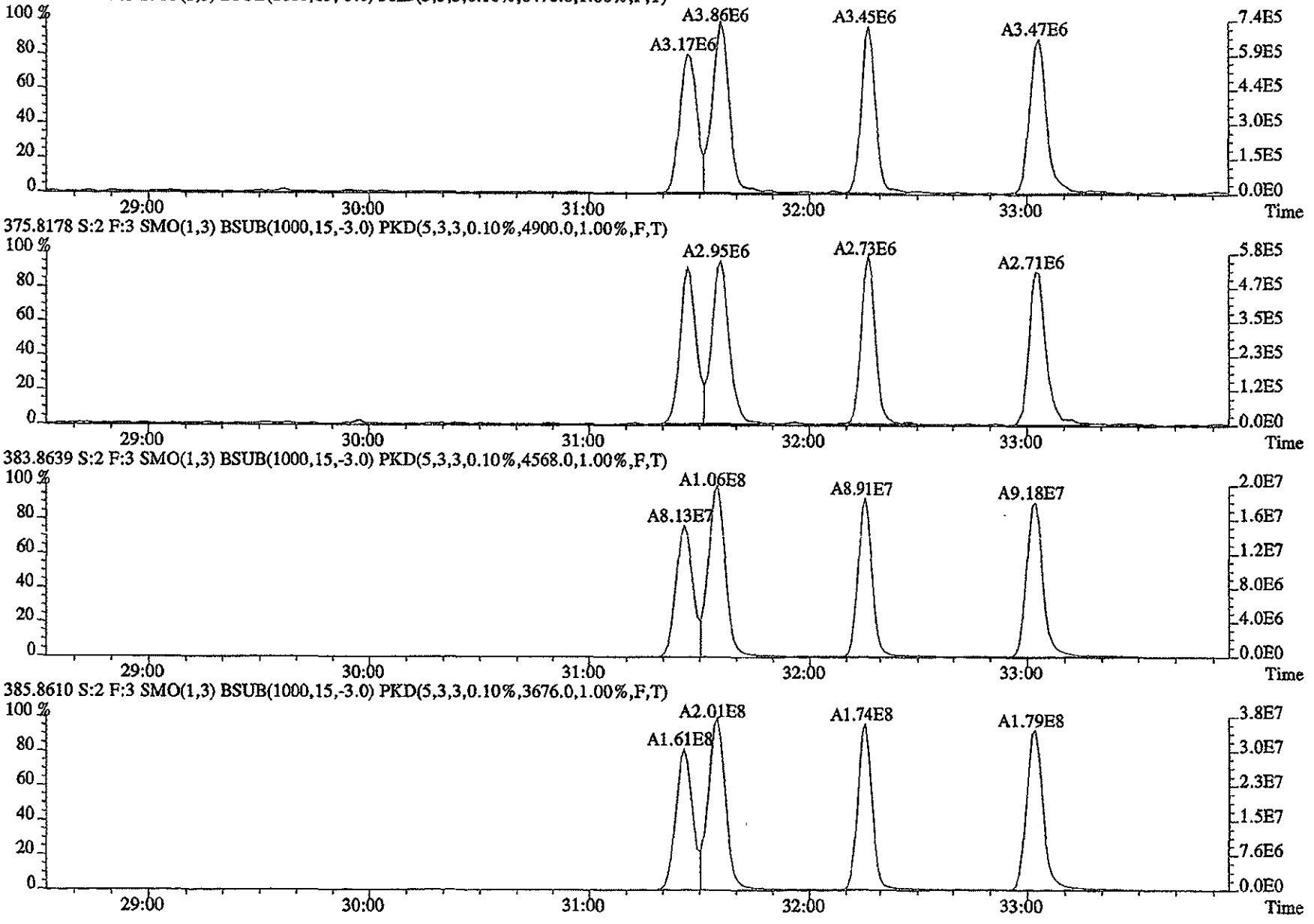
367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8944.0,1.00%,F,T)



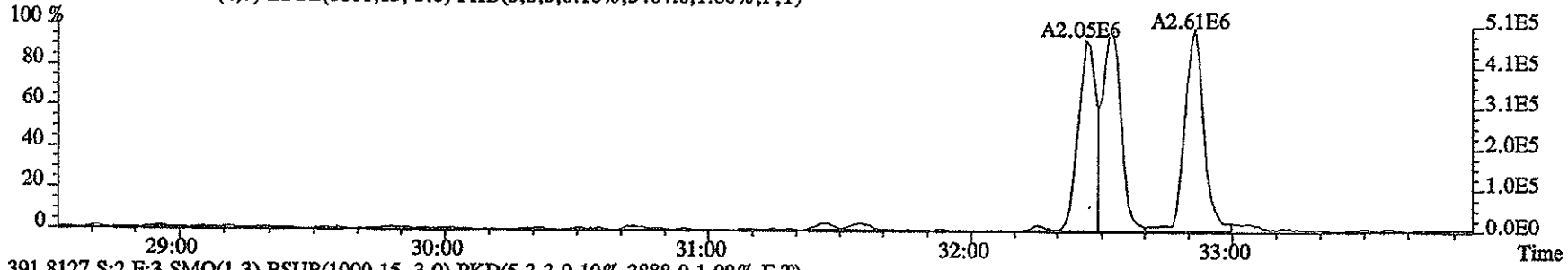
369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3136.0,1.00%,F,T)



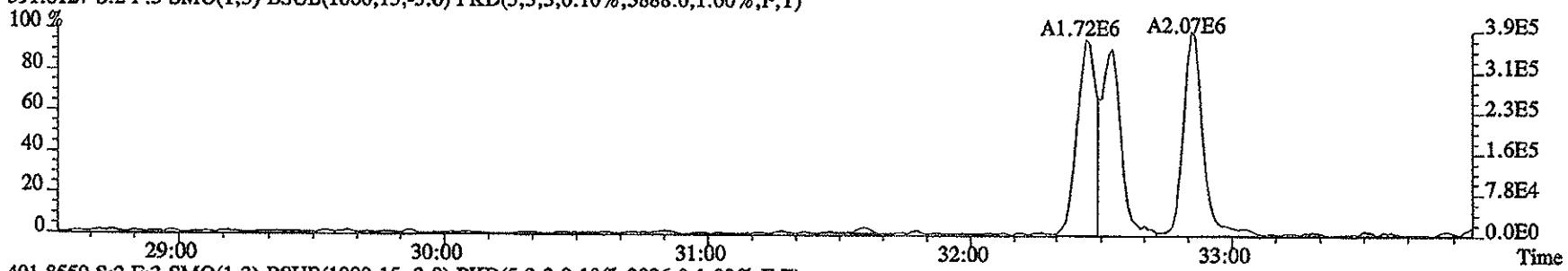
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN



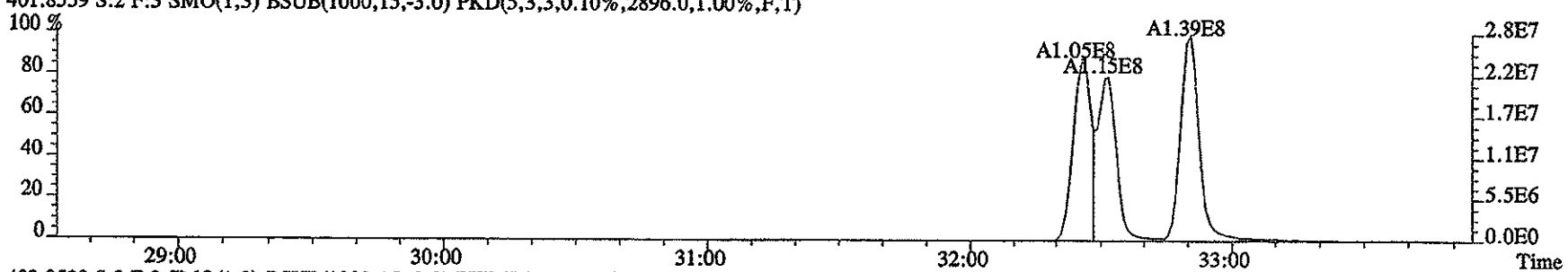
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3464.0,1.00%,F,T)



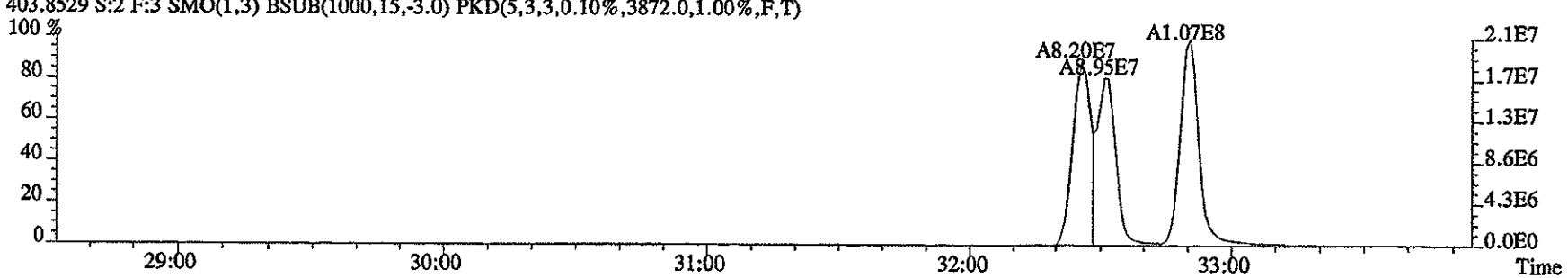
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3888.0,1.00%,F,T)



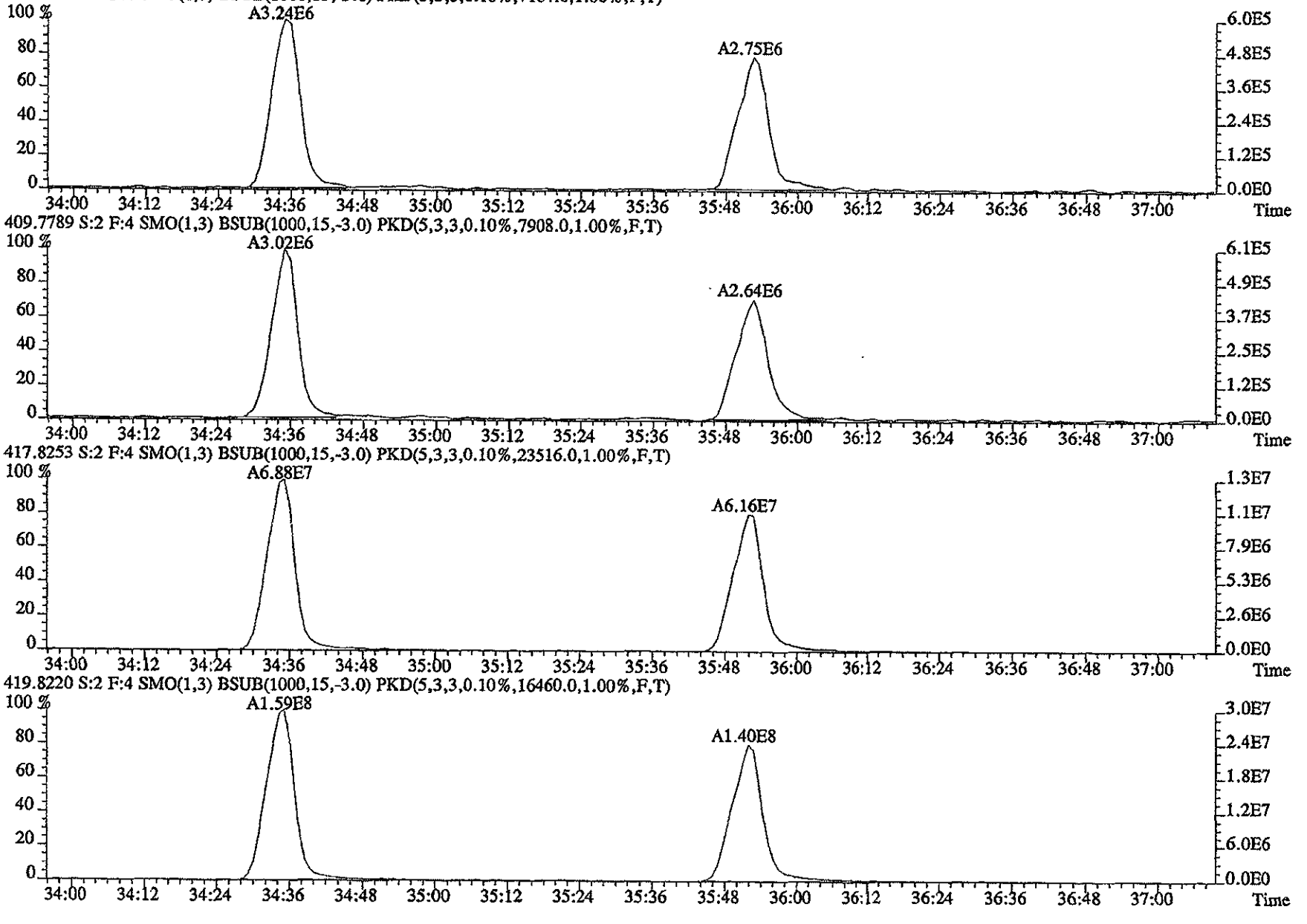
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)



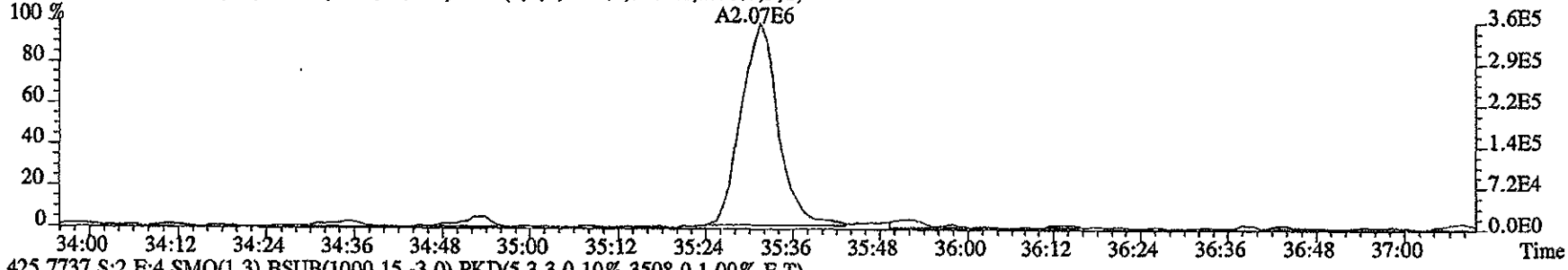
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3872.0,1.00%,F,T)



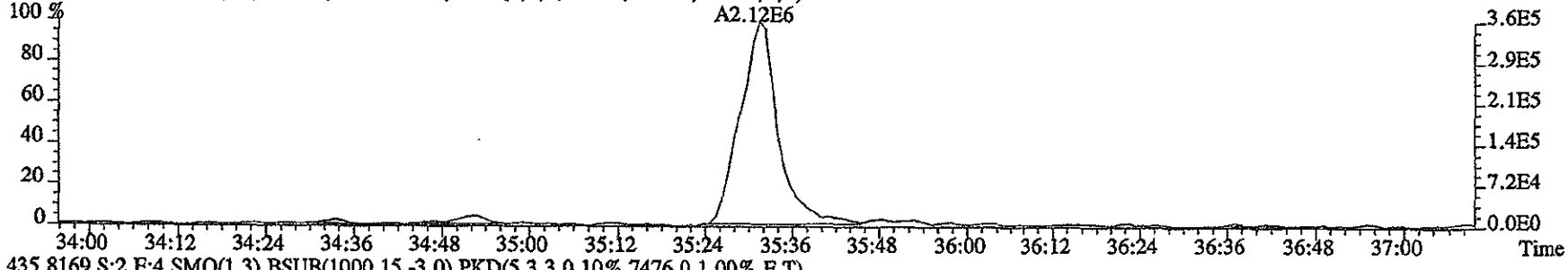
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN



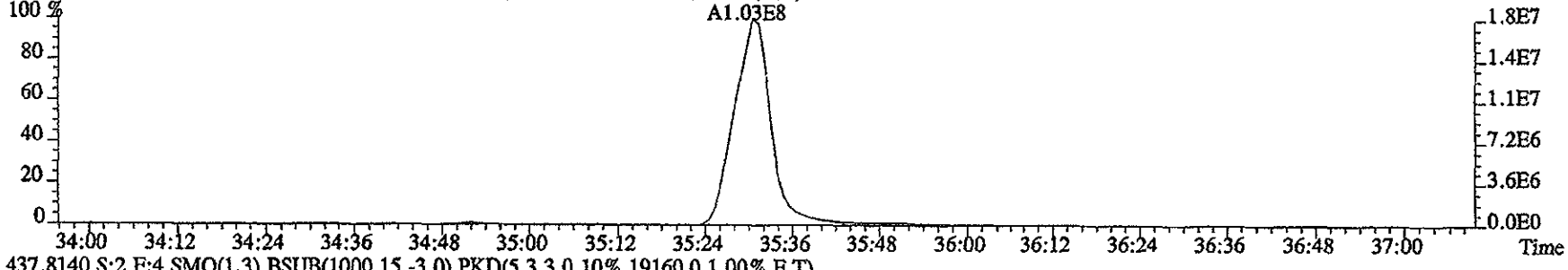
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)



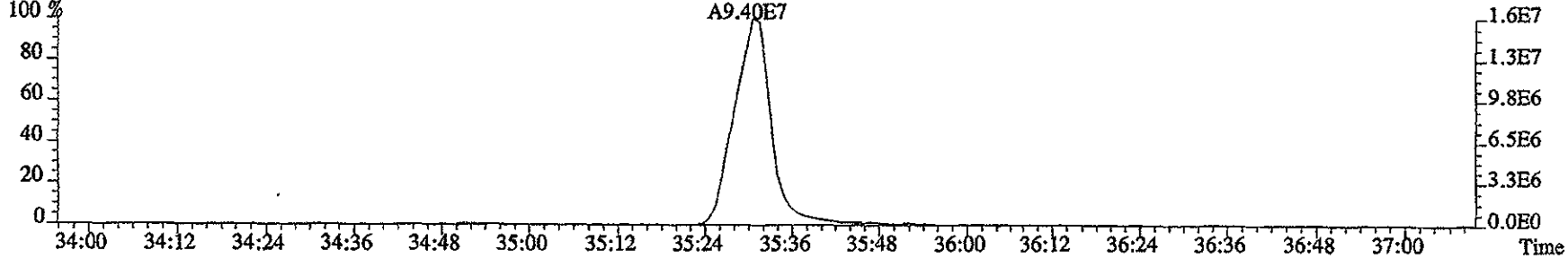
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3508.0,1.00%,F,T)



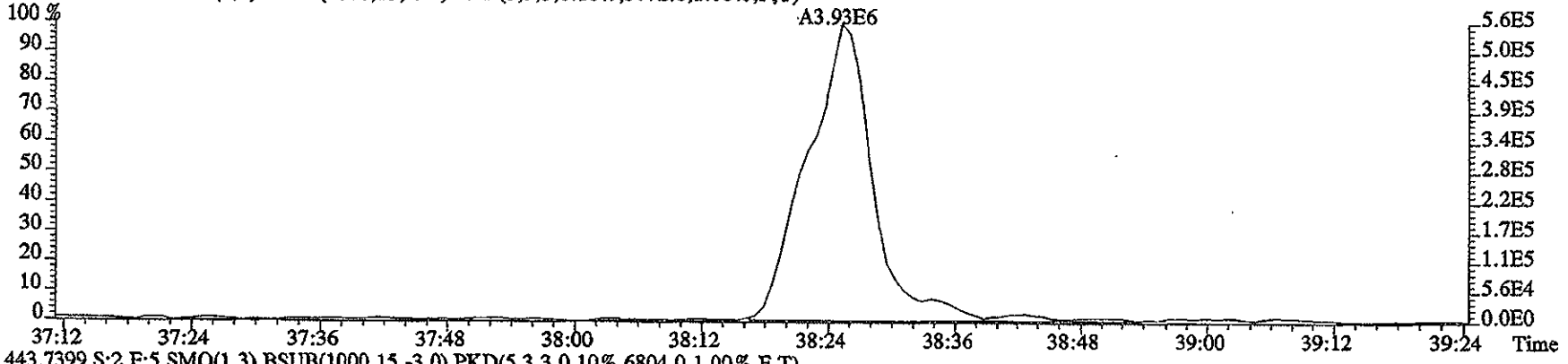
435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7476.0,1.00%,F,T)



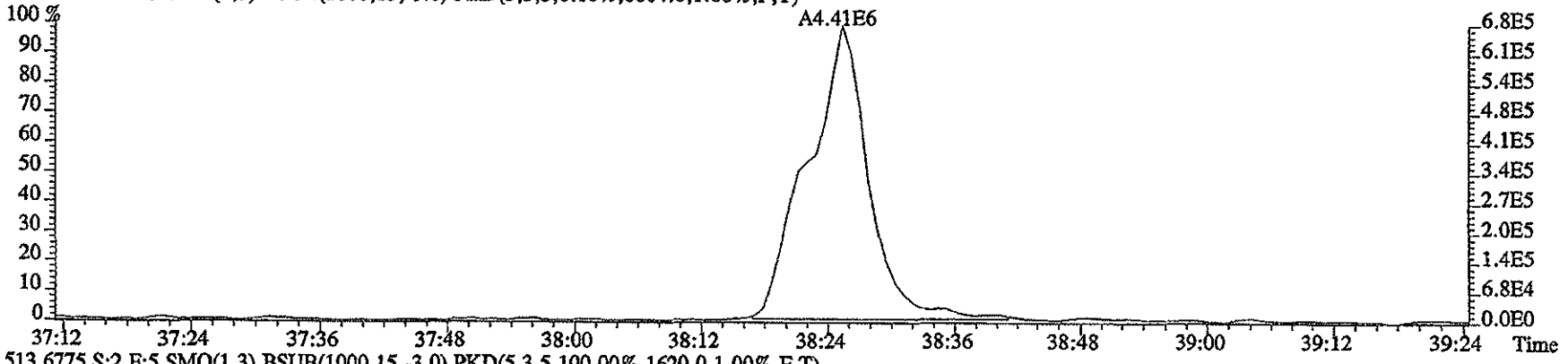
437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19160.0,1.00%,F,T)



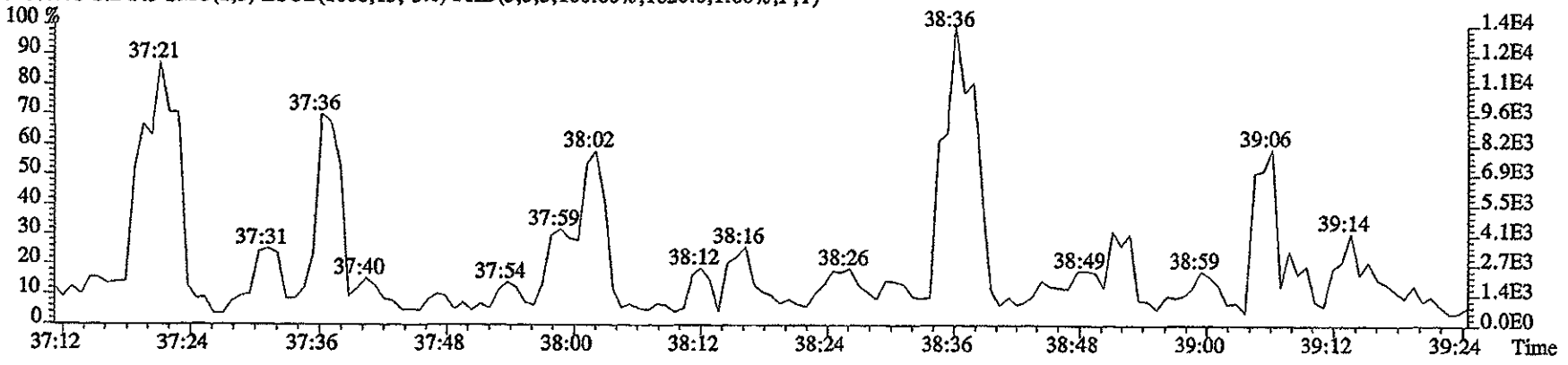
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6804.0,1.00%,F,T)

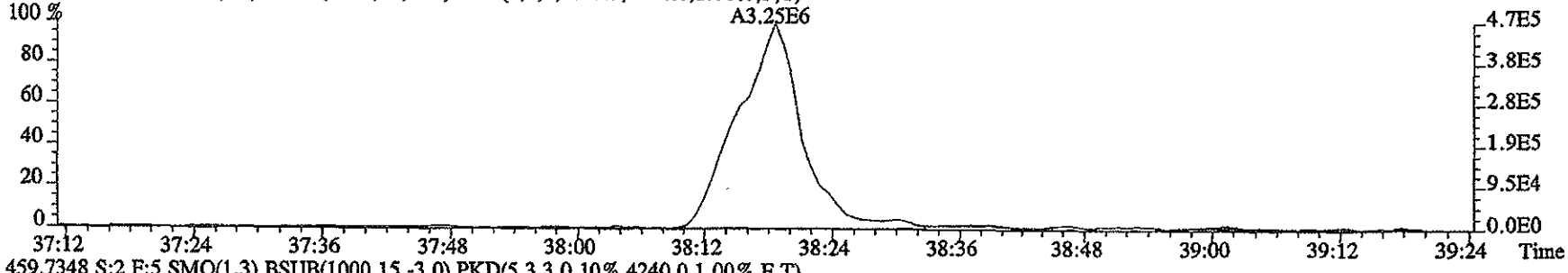


513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1620.0,1.00%,F,T)

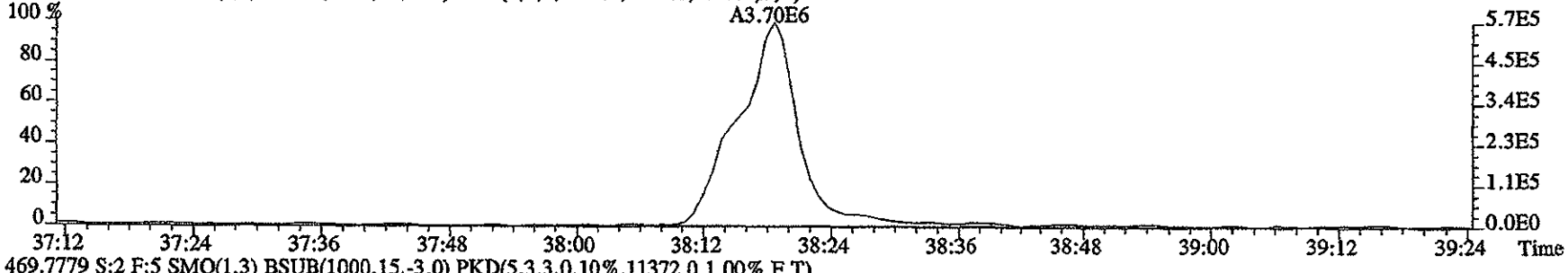


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

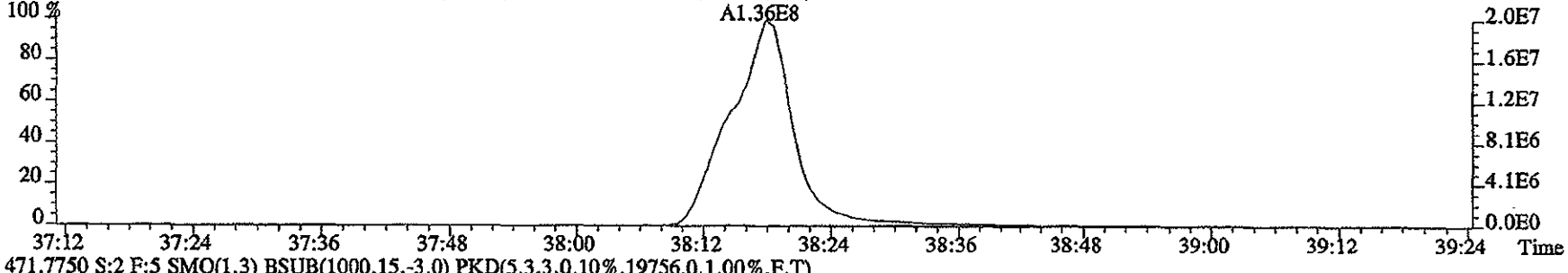
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2760.0,1.00%,F,T)



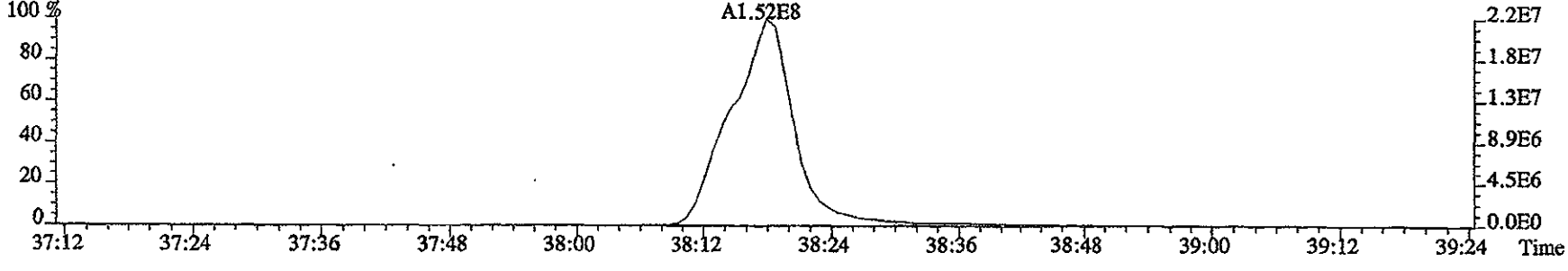
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4240.0,1.00%,F,T)

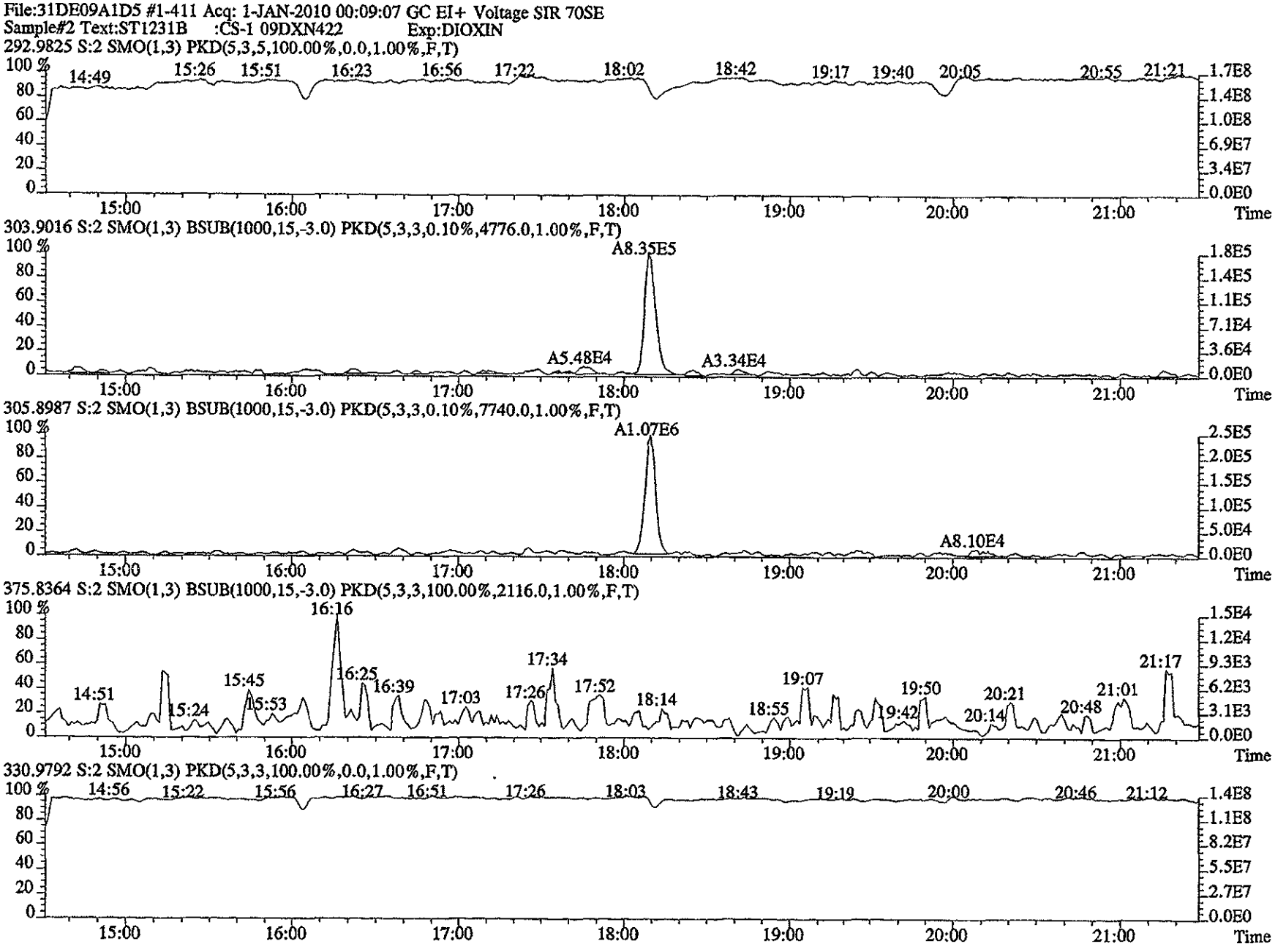


469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11372.0,1.00%,F,T)



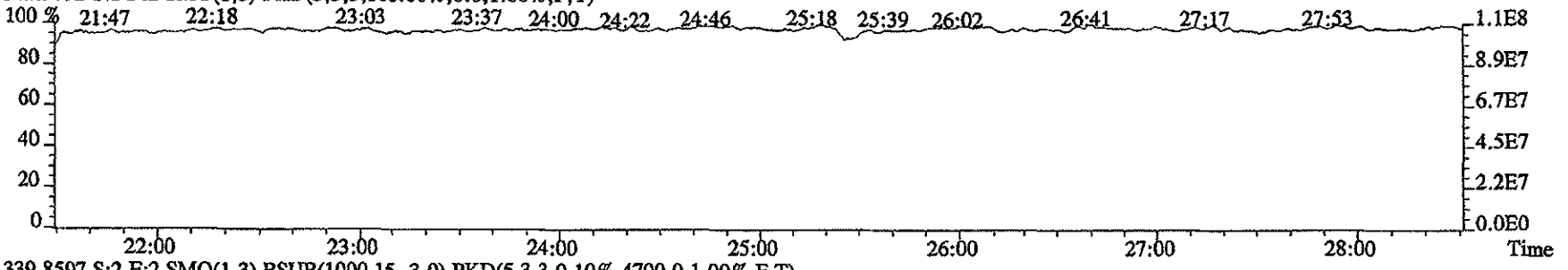
471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19756.0,1.00%,F,T)



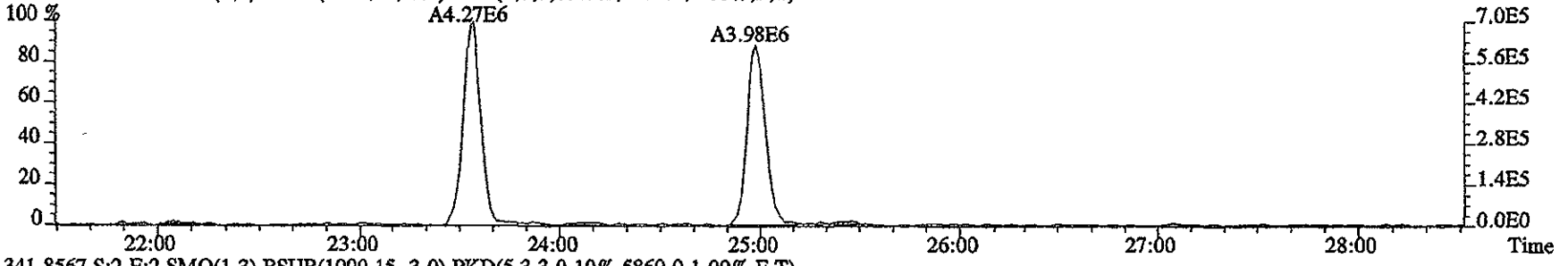

File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4776.0,1.00%,F,T)
A8.35E5
A5.48E4
A3.34E4
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7740.0,1.00%,F,T)
A1.07E6
A8.10E4
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2116.0,1.00%,F,T)
330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

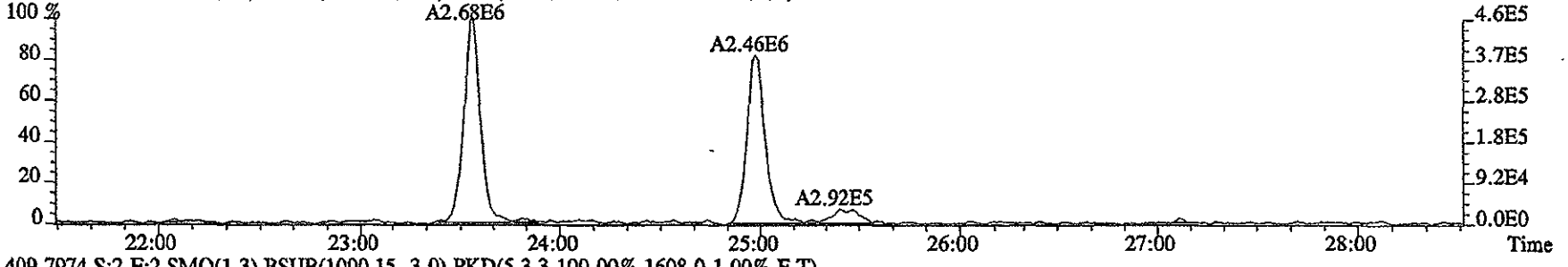
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



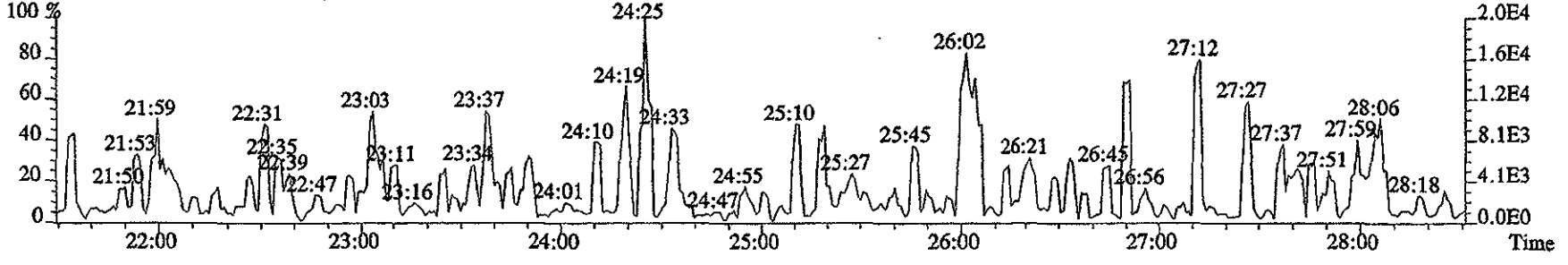
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)

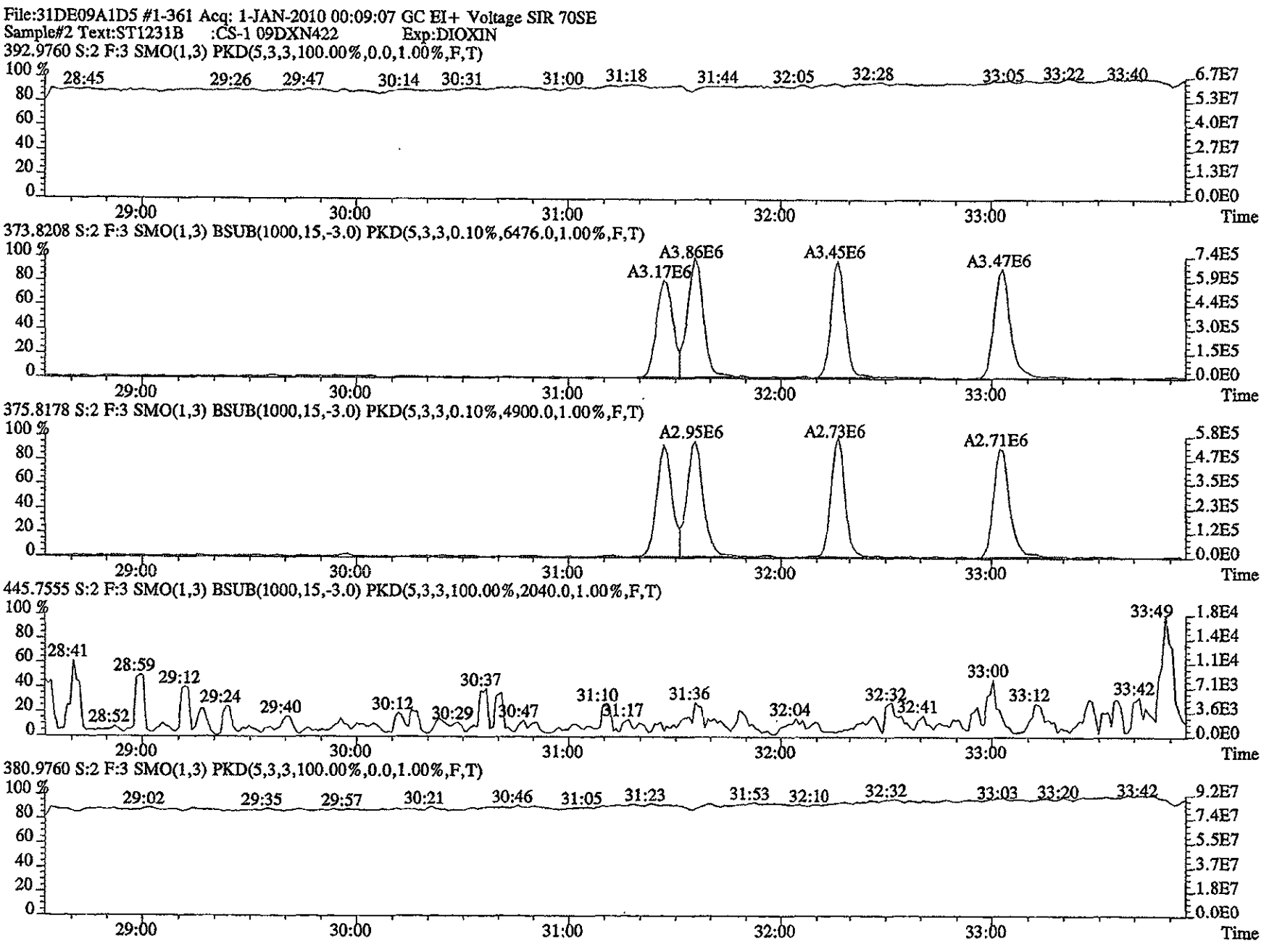


341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)

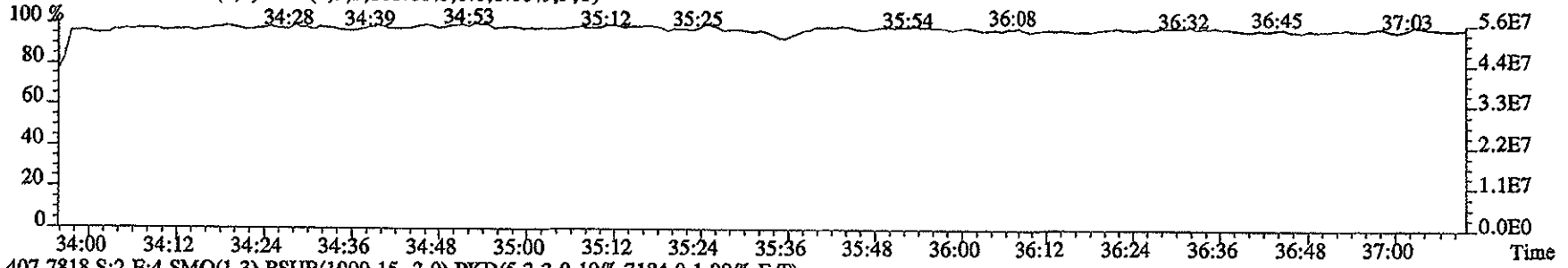


409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1608.0,1.00%,F,T)

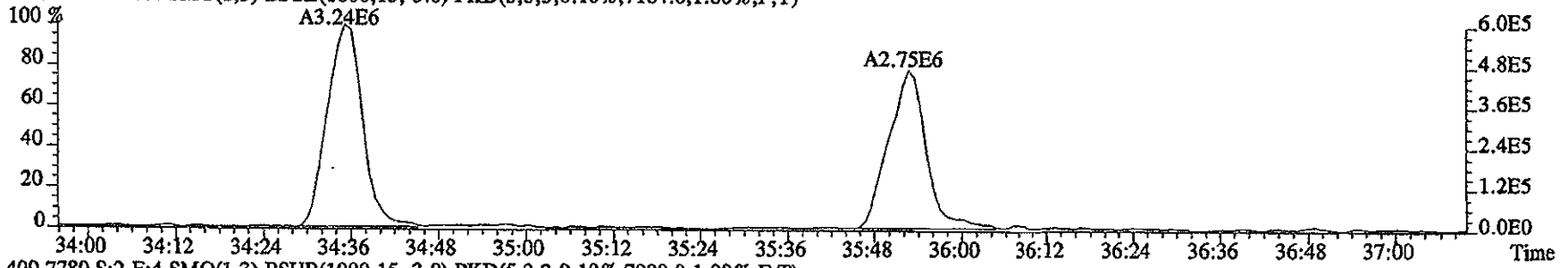



File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6476.0,1.00%,F,T)
A3.17E6
A3.86E6
A3.45E6
A3.47E6
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)
A2.95E6
A2.73E6
A2.71E6
445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2040.0,1.00%,F,T)
380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

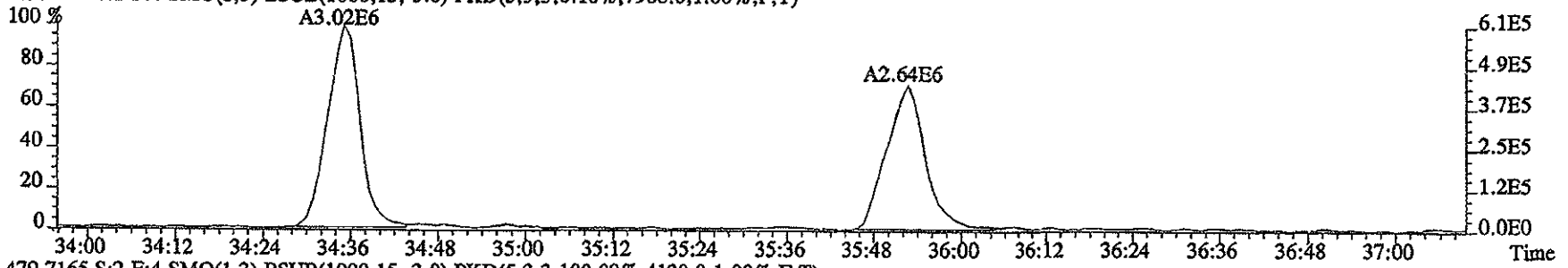
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



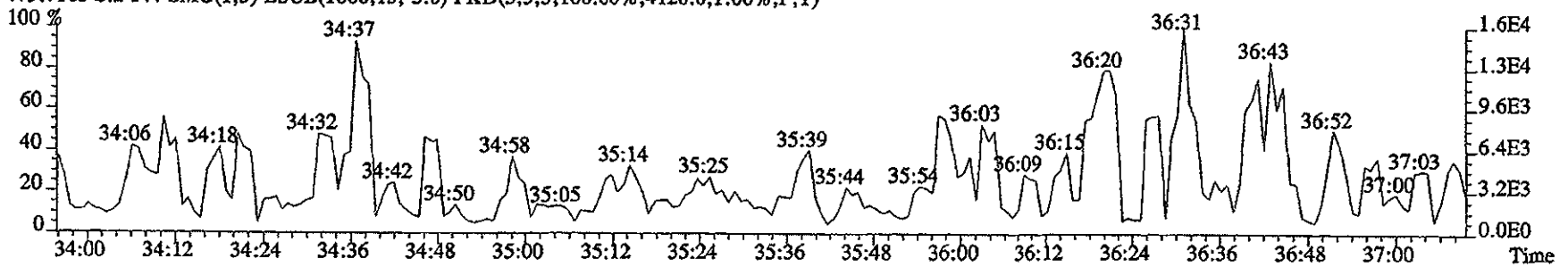
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7184.0,1.00%,F,T)



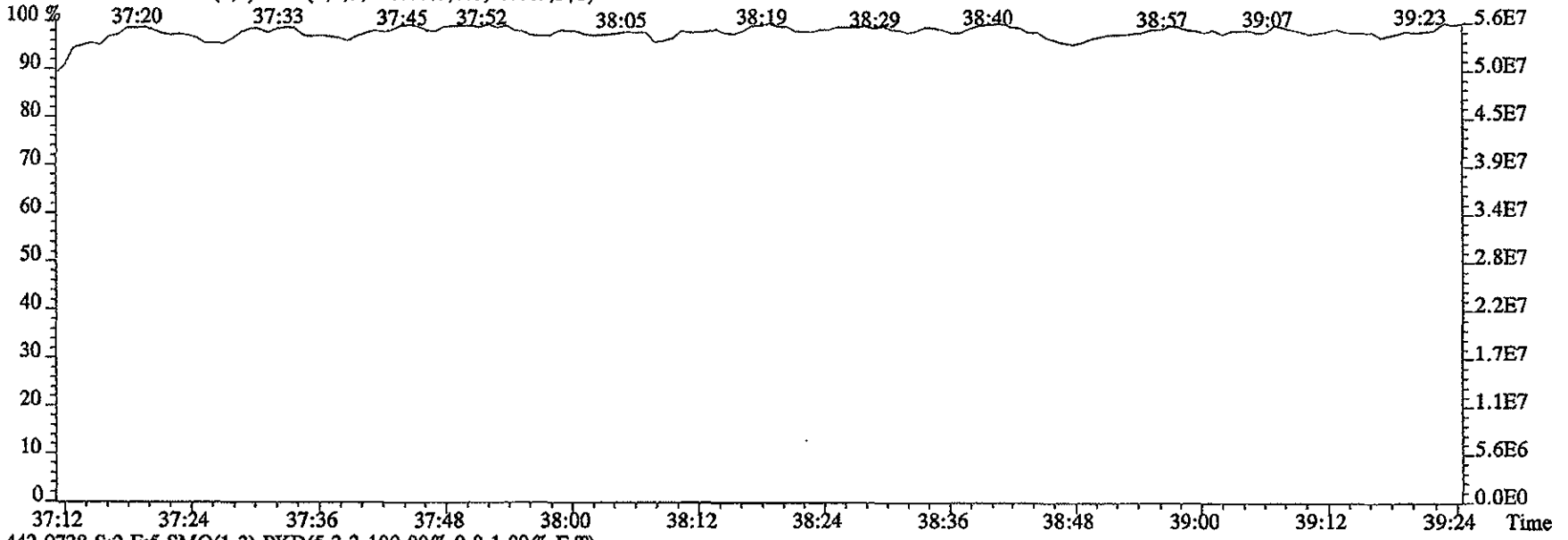
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7908.0,1.00%,F,T)



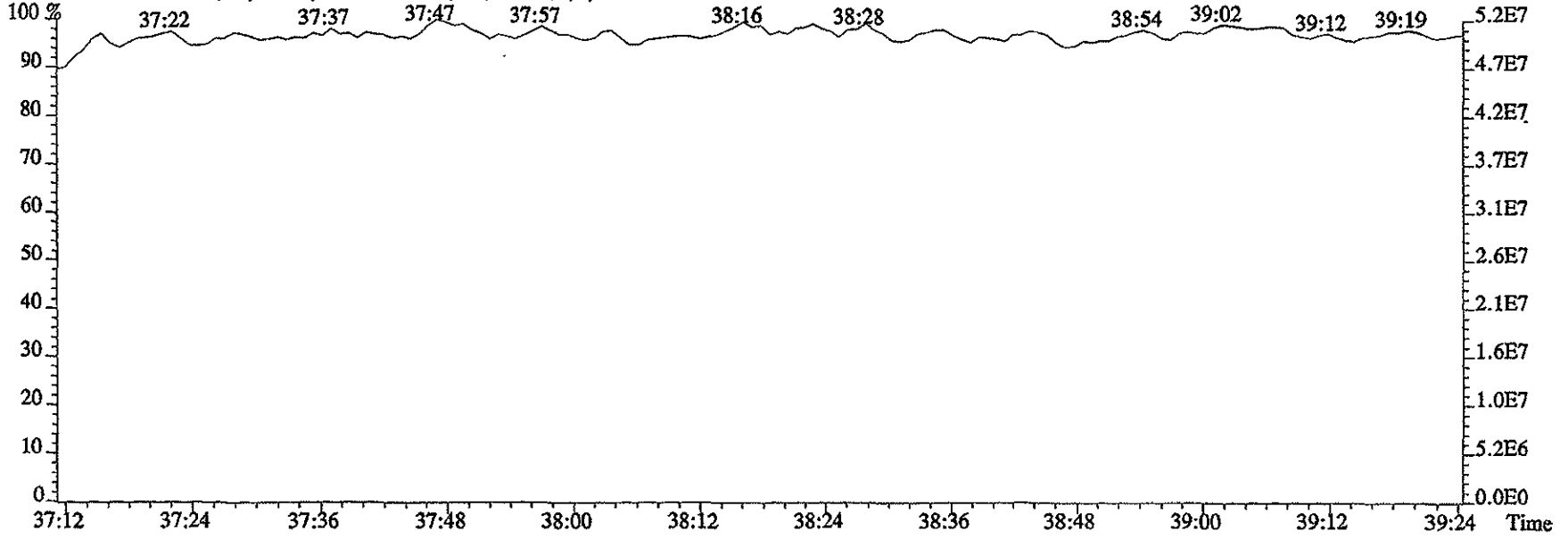
479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4120.0,1.00%,F,T)



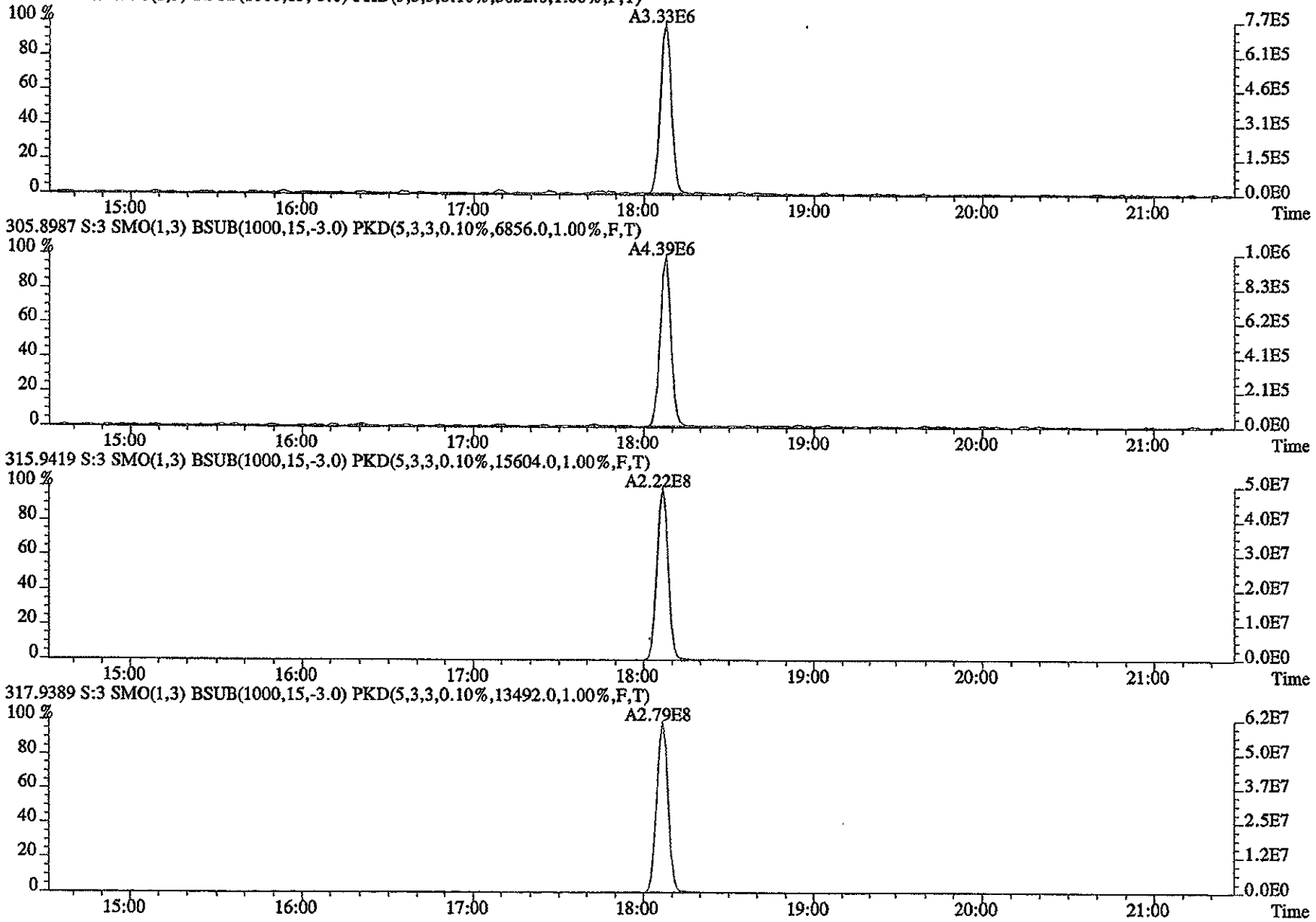
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



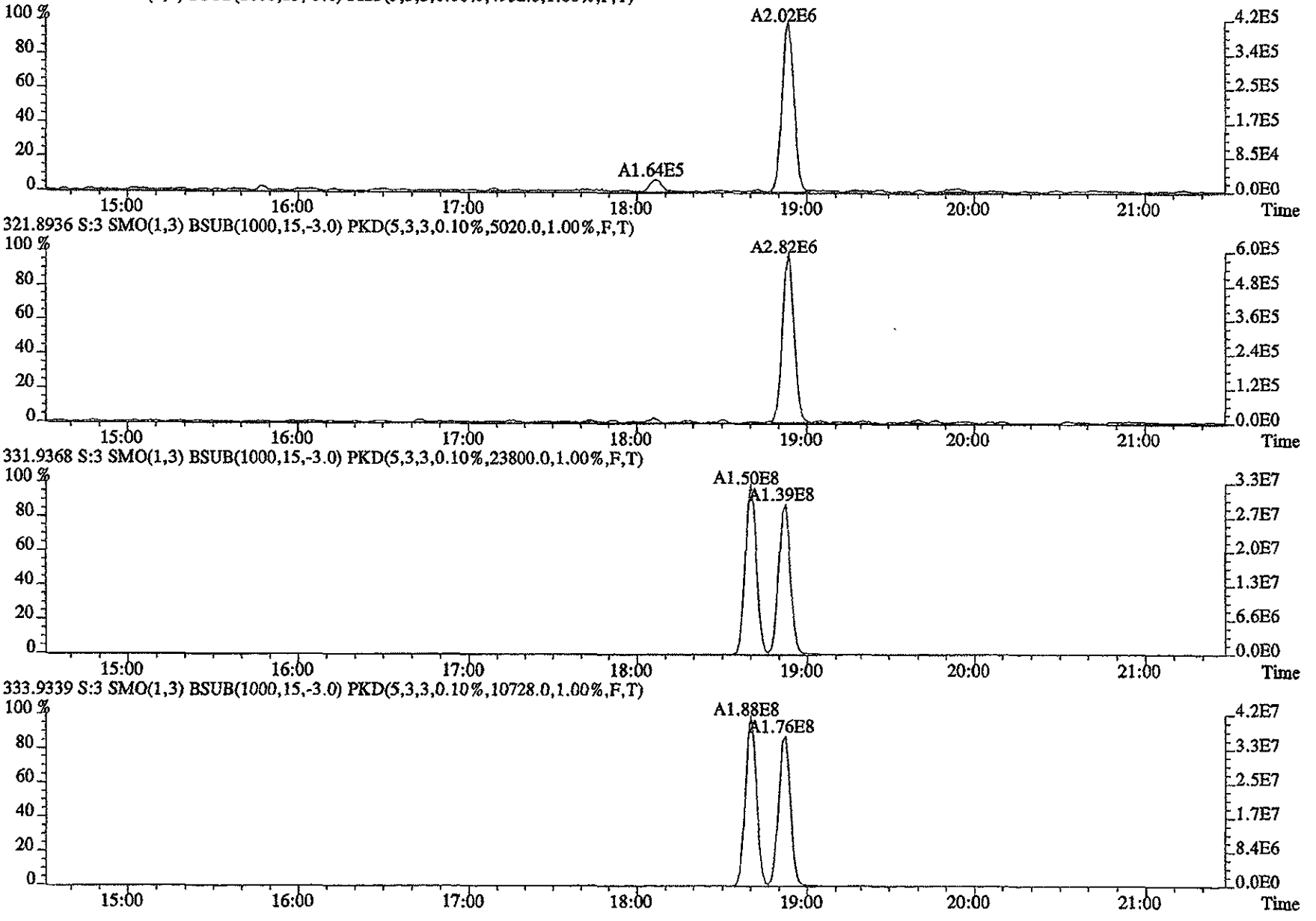
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

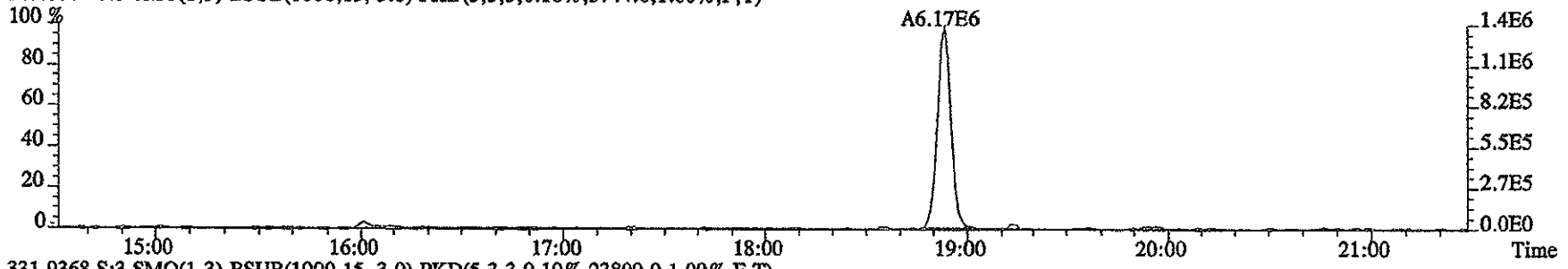


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

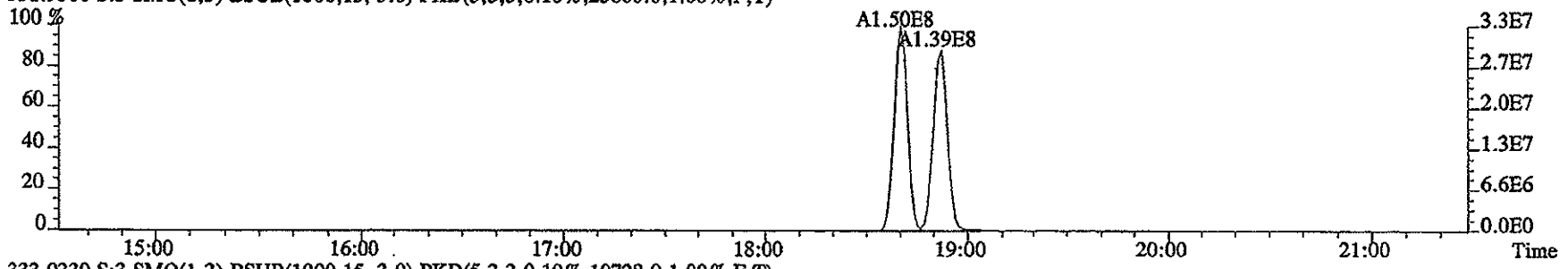


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)

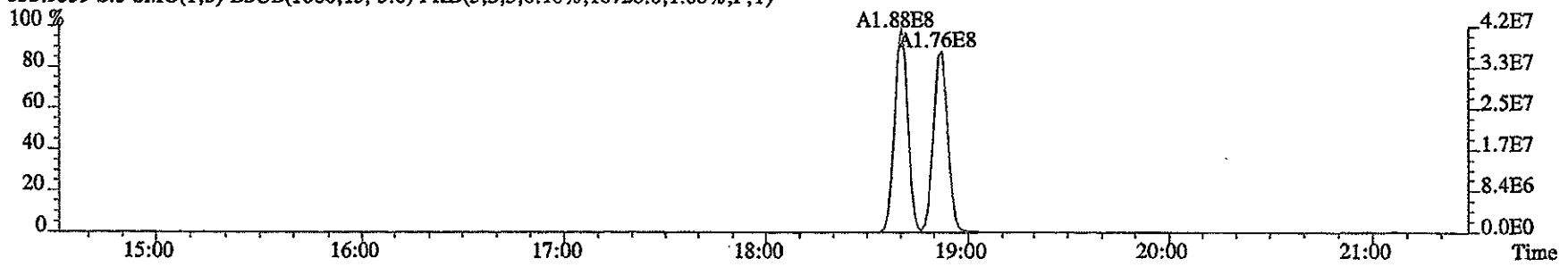
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



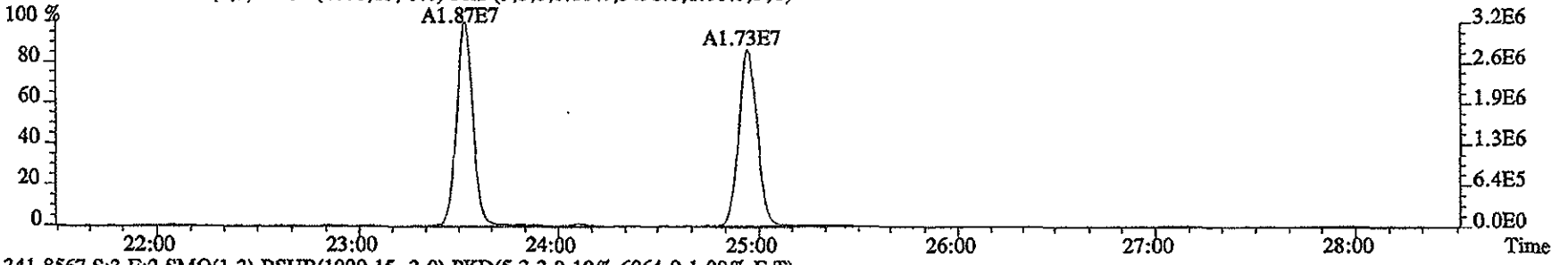
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23800.0,1.00%,F,T)



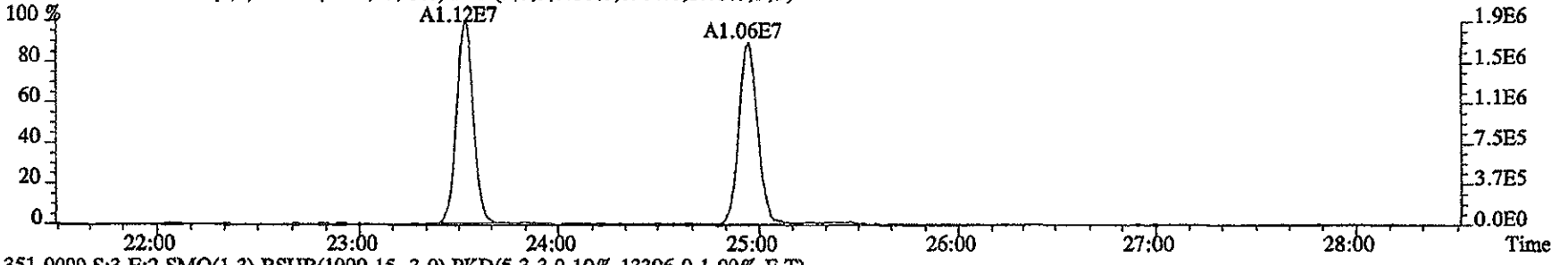
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10728.0,1.00%,F,T)



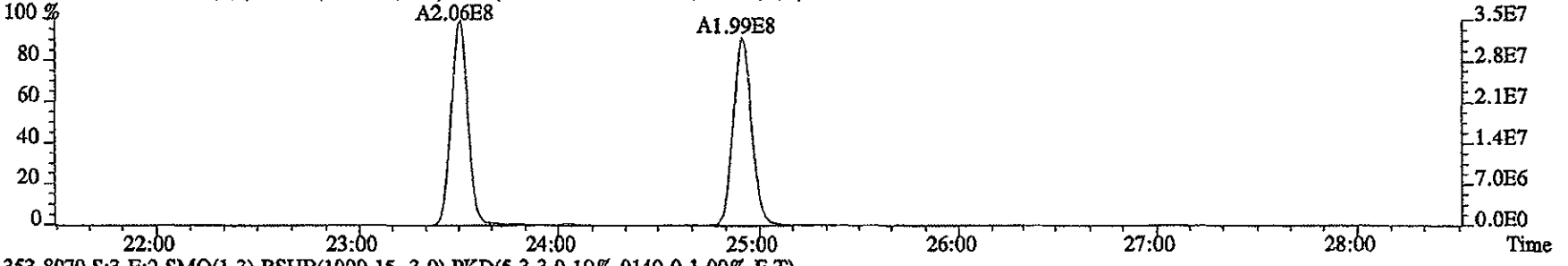
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5496.0,1.00%,F,T)



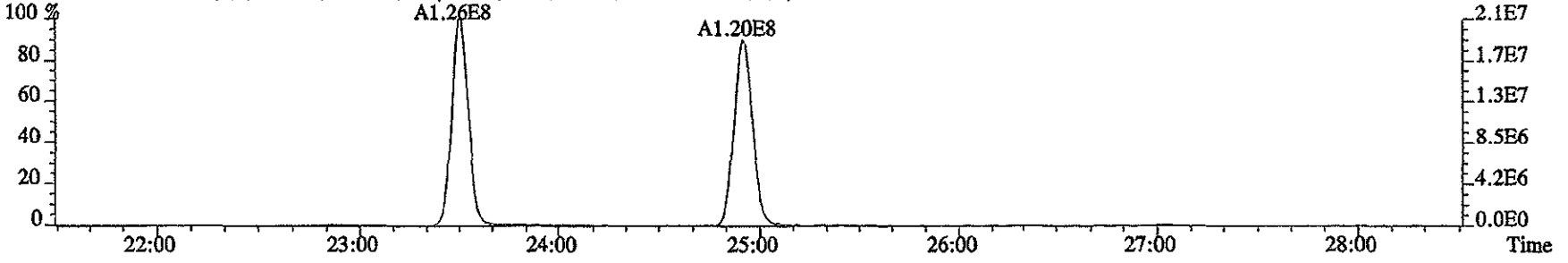
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6964.0,1.00%,F,T)



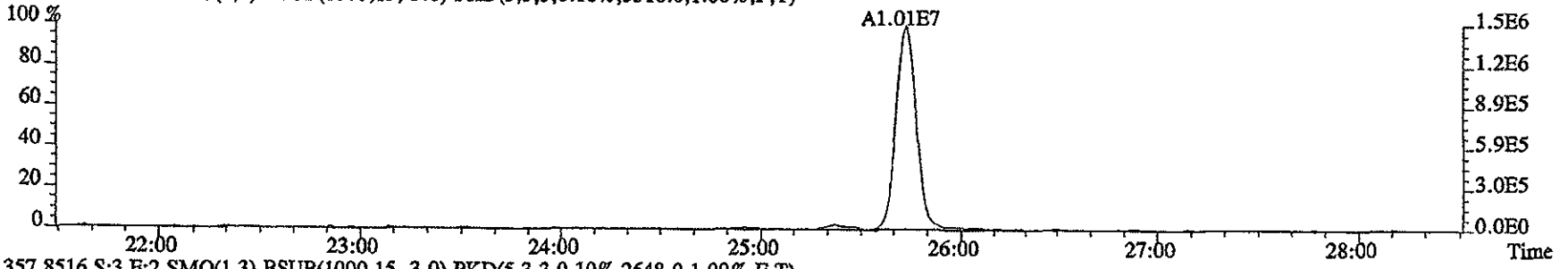
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13396.0,1.00%,F,T)



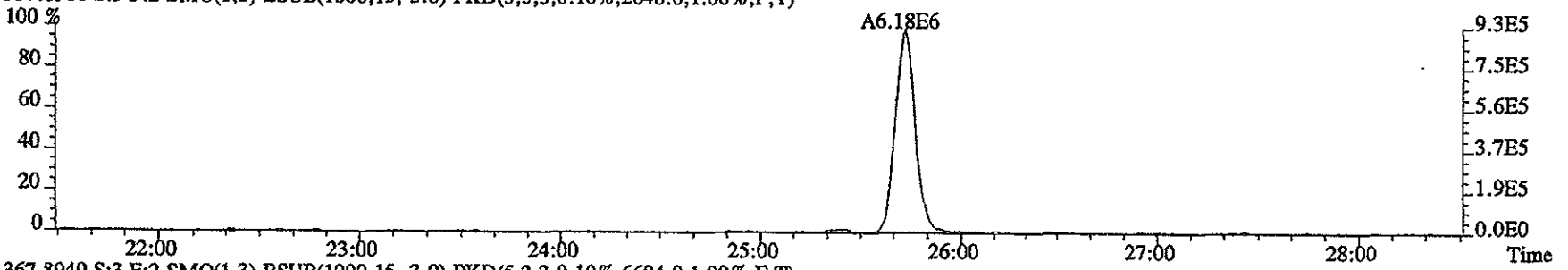
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9140.0,1.00%,F,T)



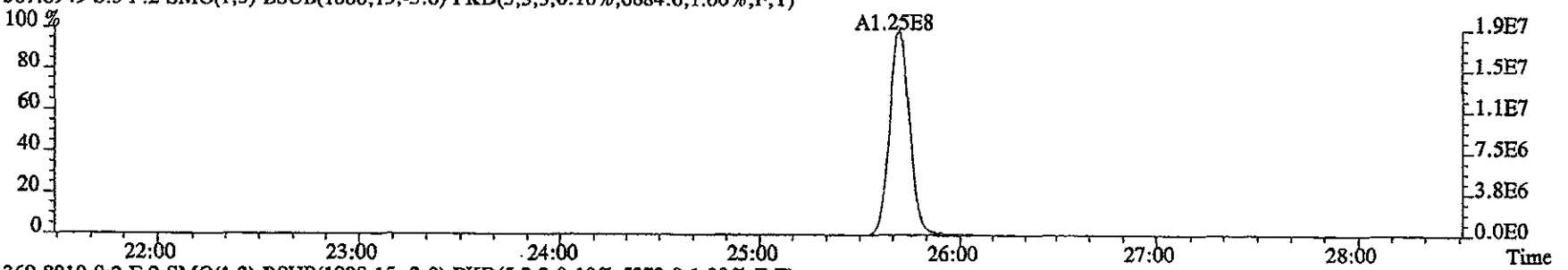
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)



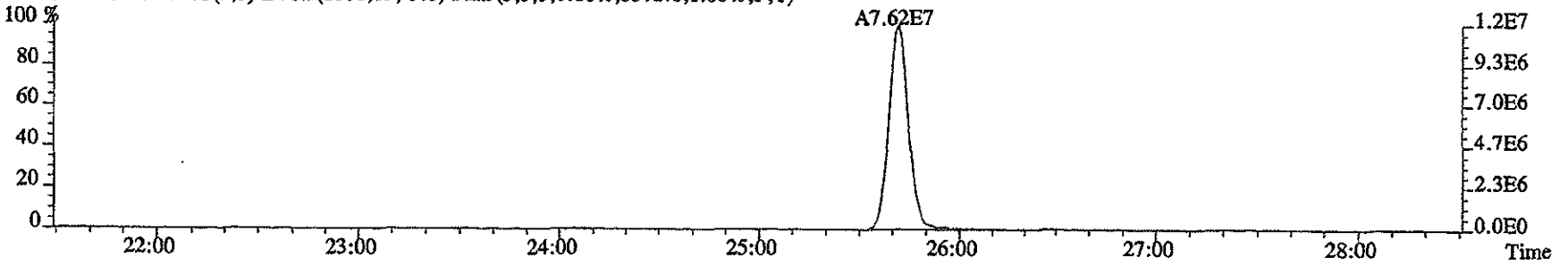
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2648.0,1.00%,F,T)



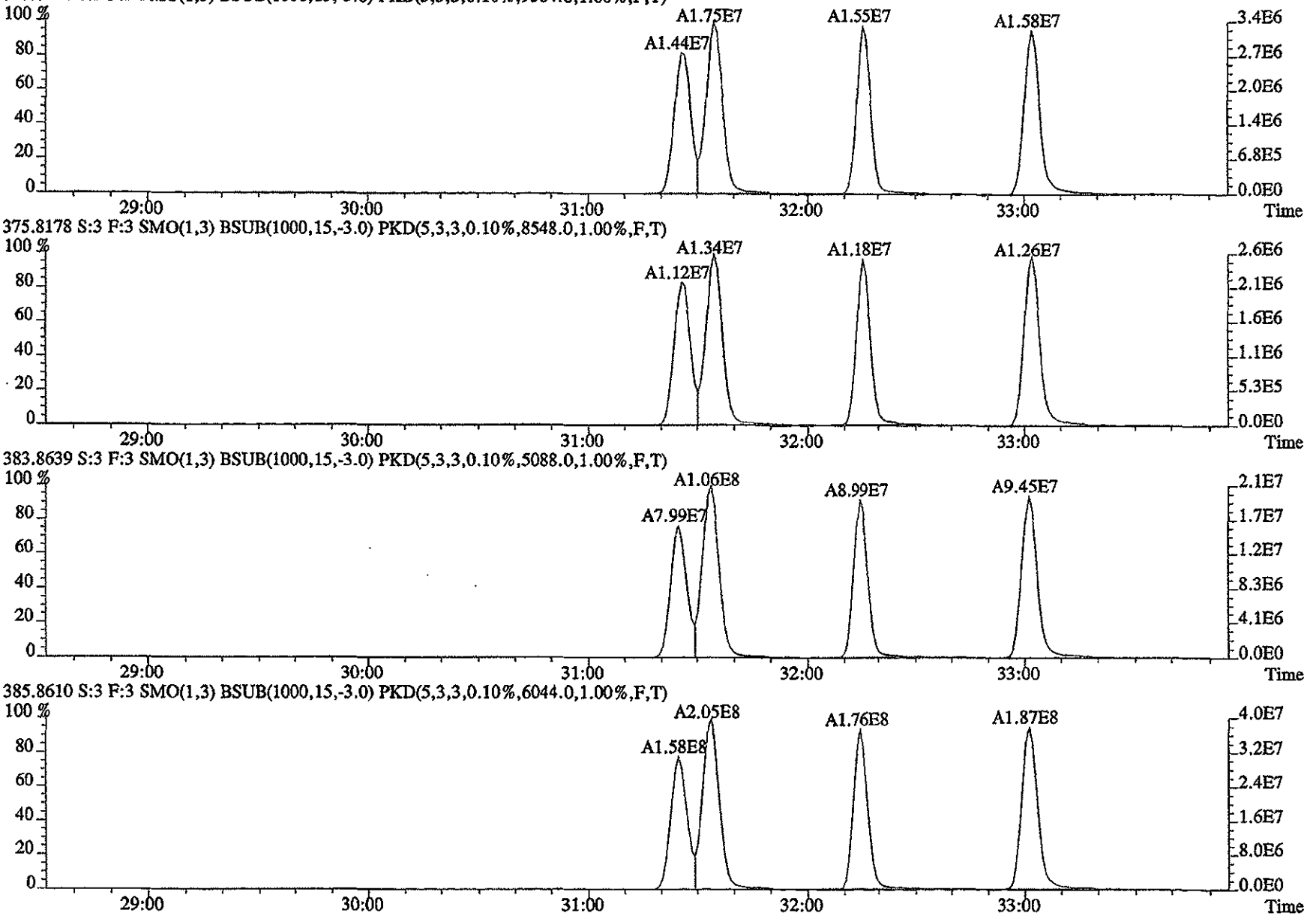
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6684.0,1.00%,F,T)



369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5372.0,1.00%,F,T)

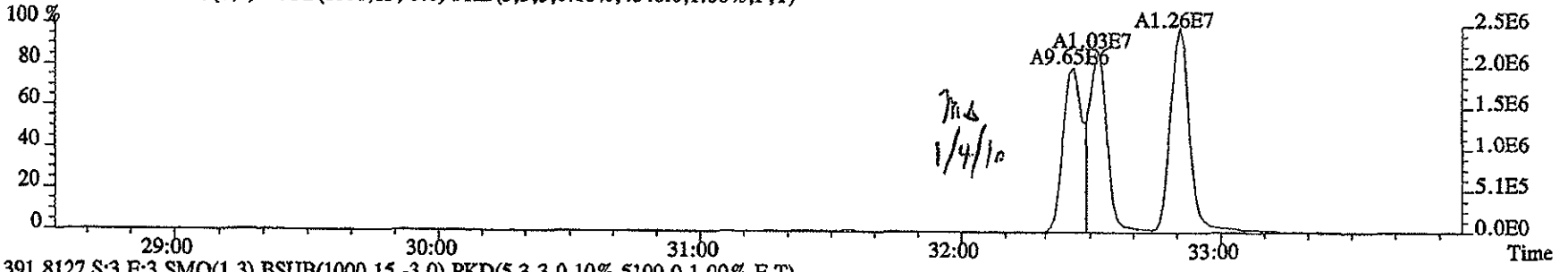


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

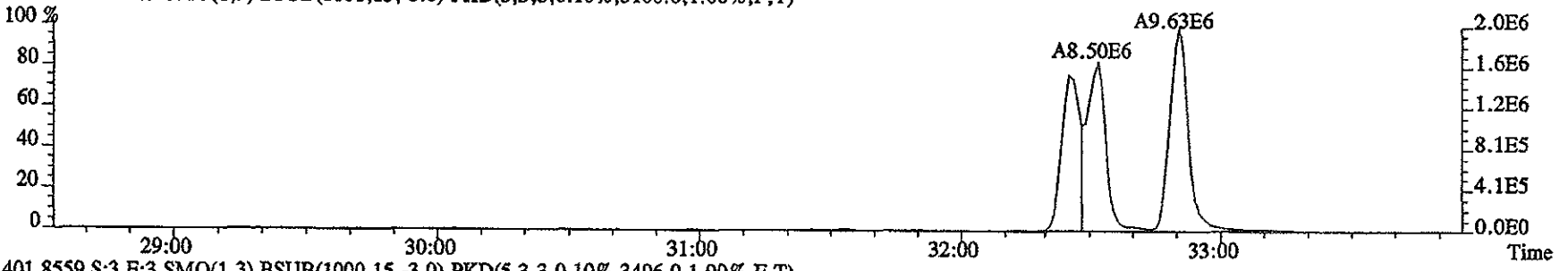


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

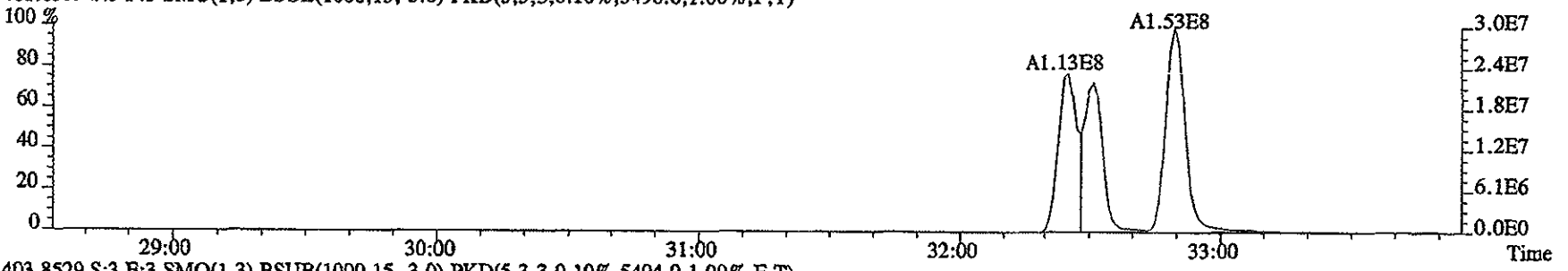
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



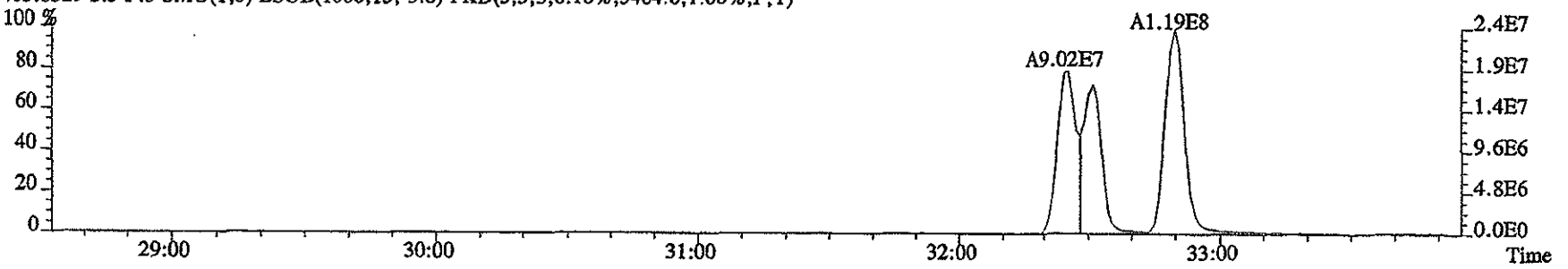
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5100.0,1.00%,F,T)



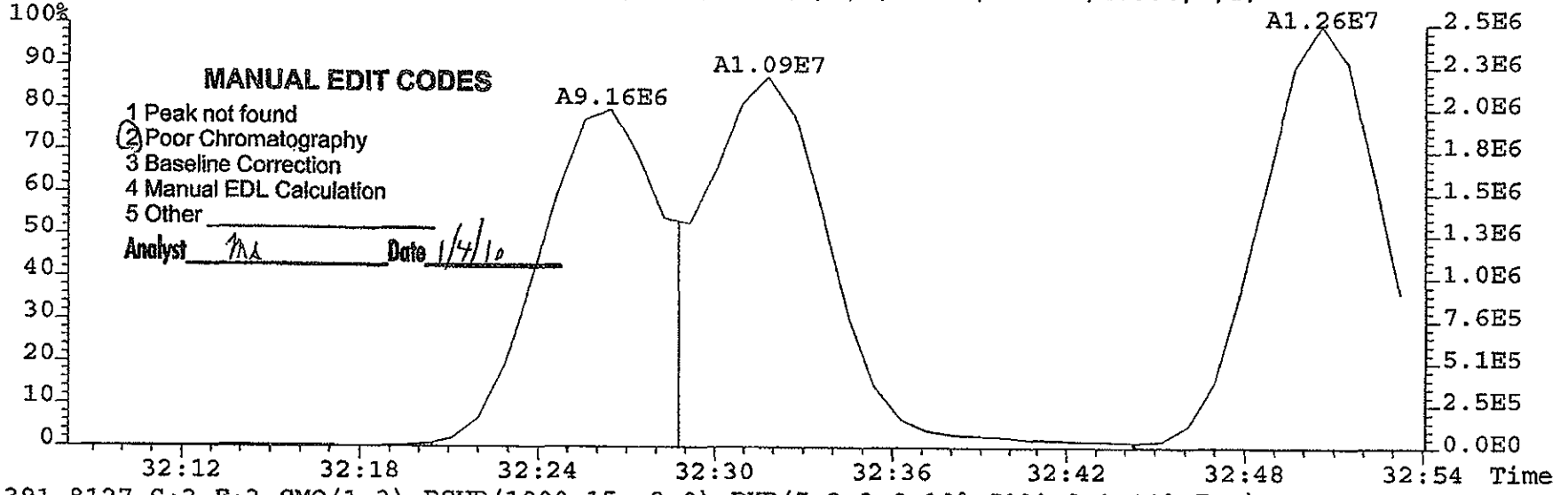
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5404.0,1.00%,F,T)



File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)

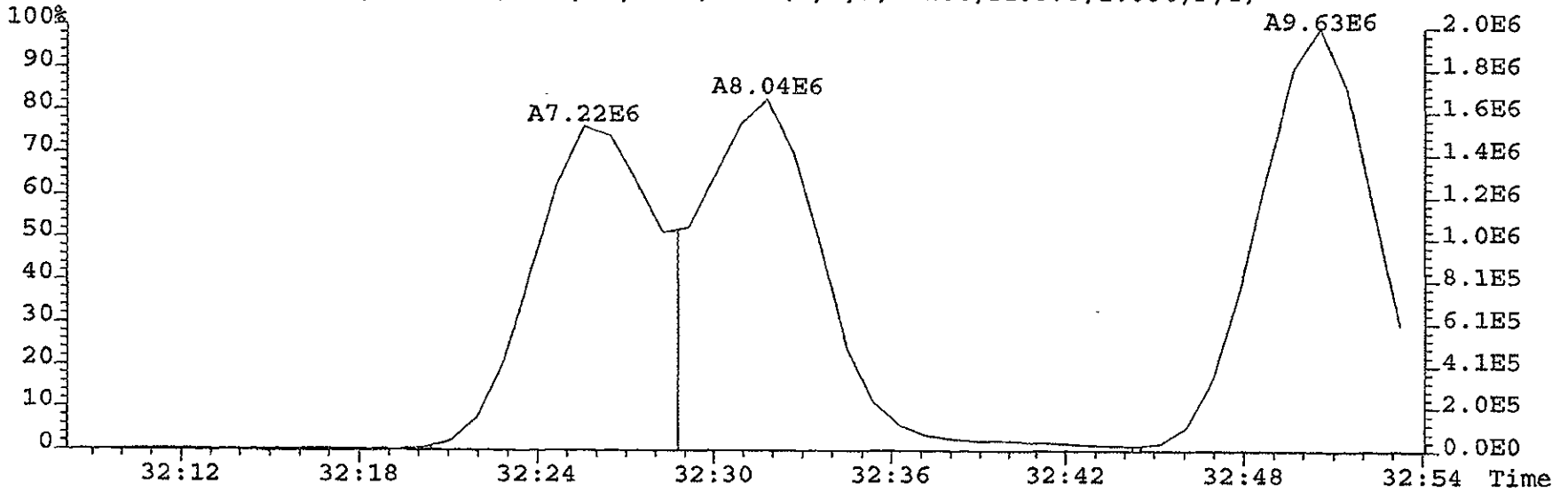


MANUAL EDIT CODES

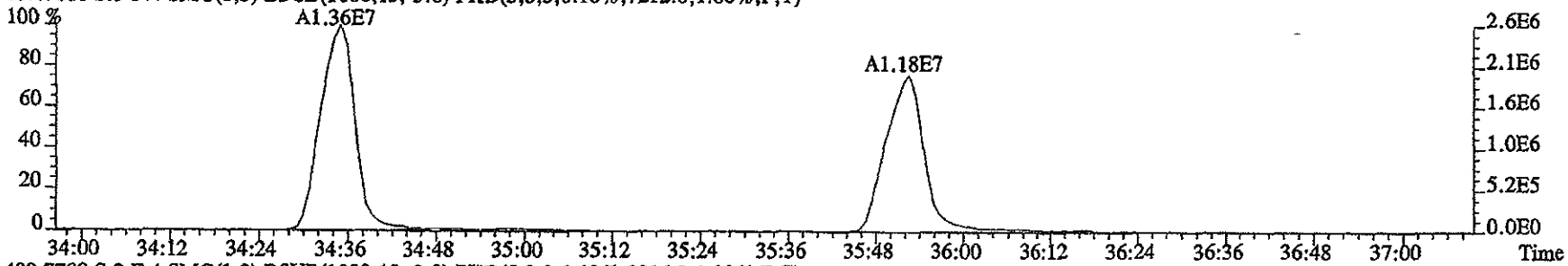
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
5 Other _____

Analyst MA Date 1/4/10

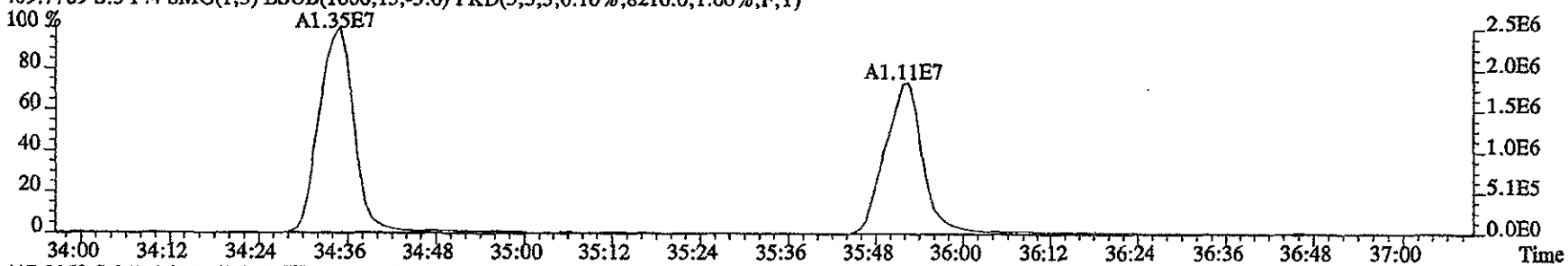
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5100.0,1.00%,F,T)



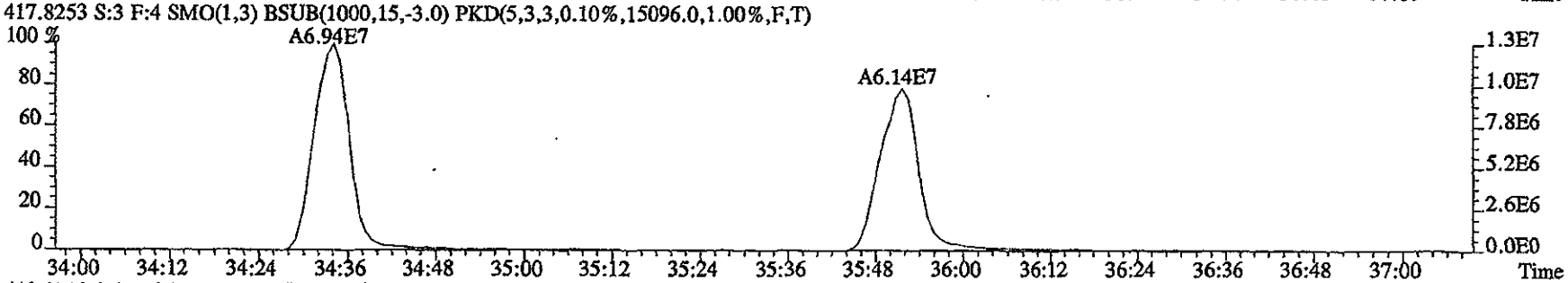
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212.0,1.00%,F,T)



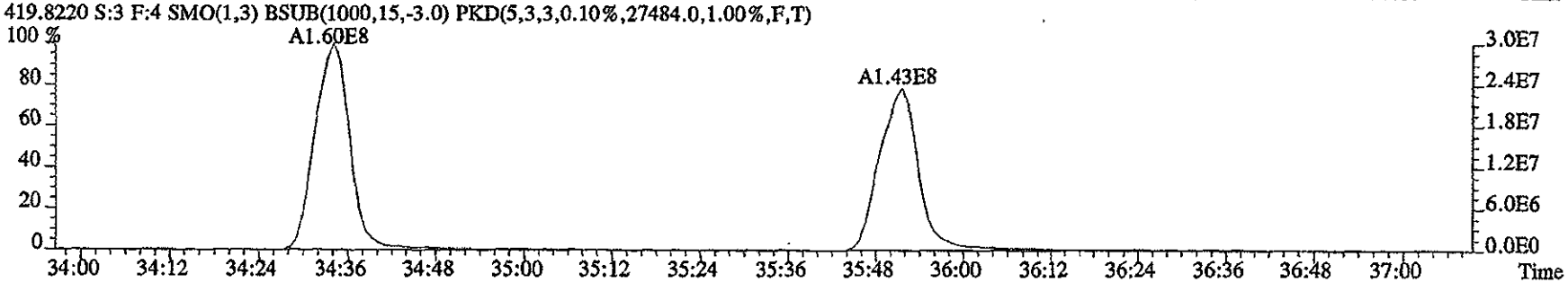
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8216.0,1.00%,F,T)



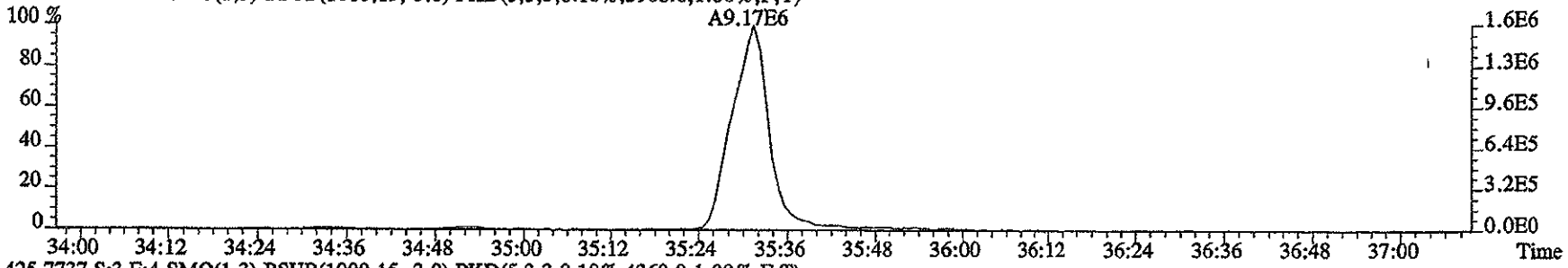
417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15096.0,1.00%,F,T)



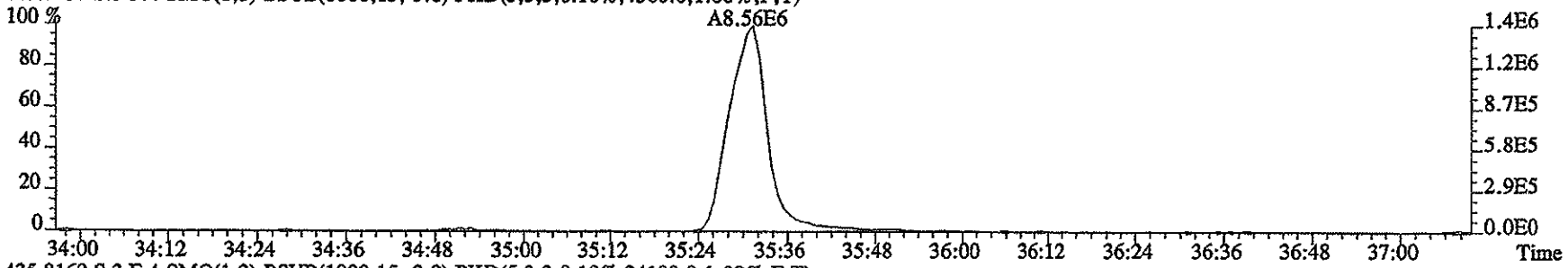
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27484.0,1.00%,F,T)



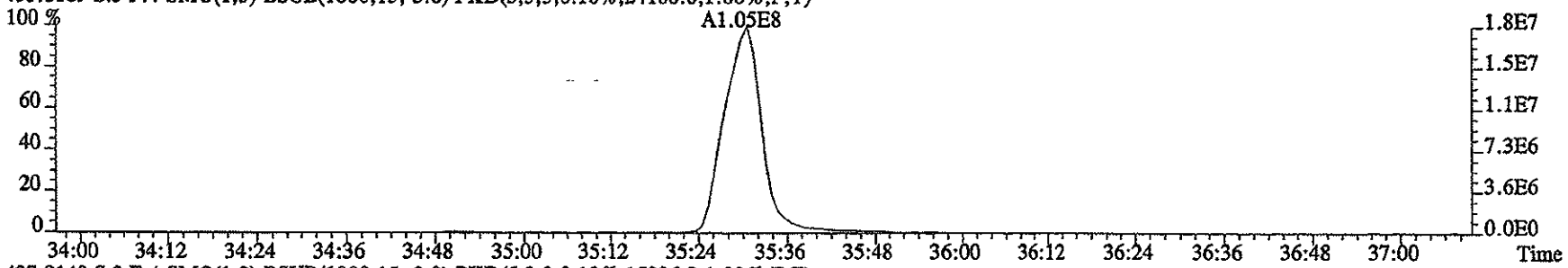
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)



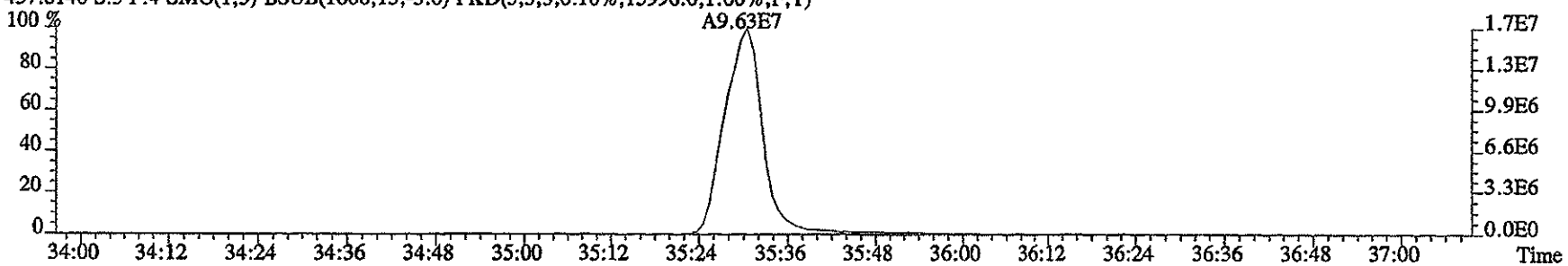
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)

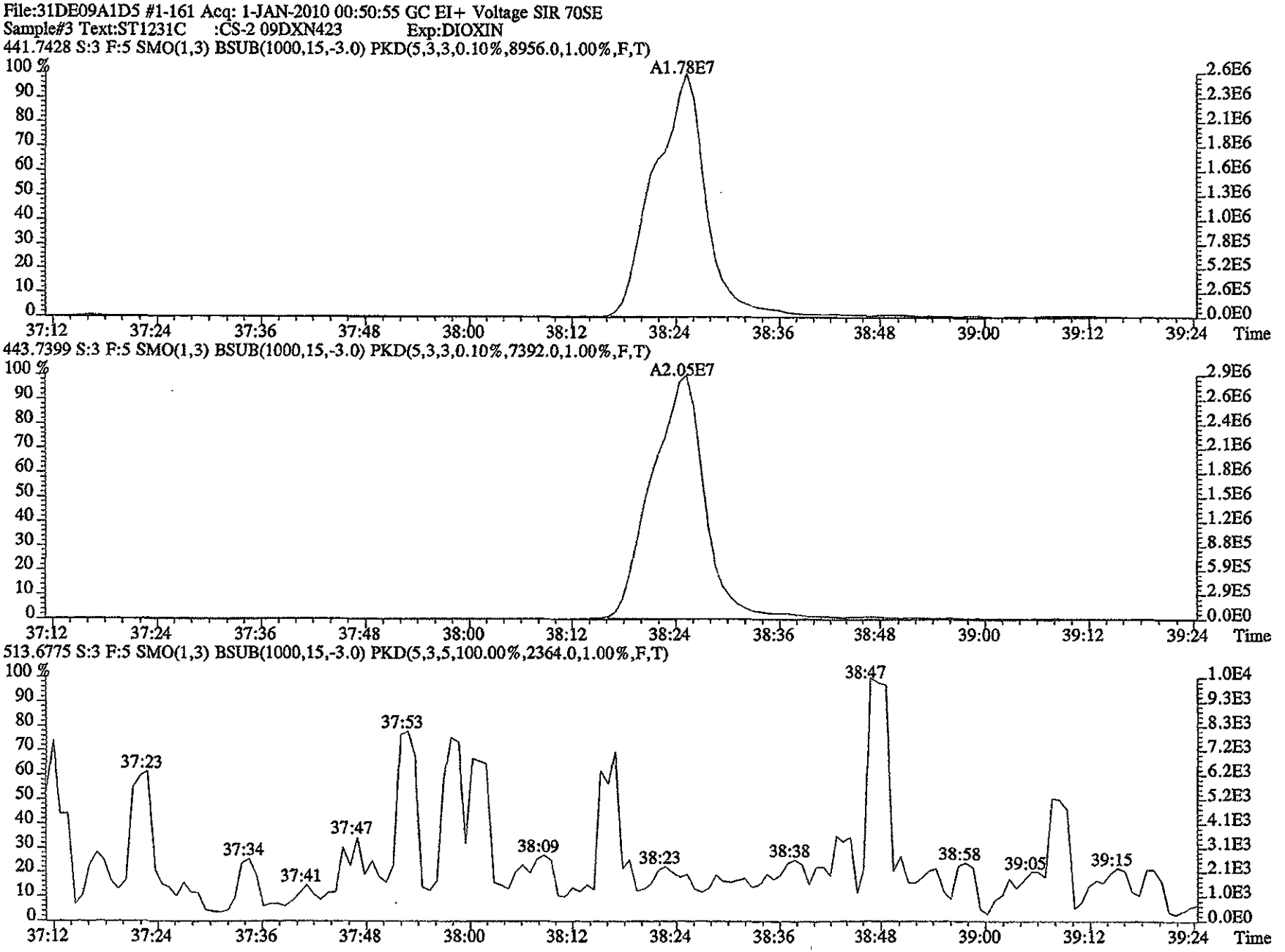


435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24180.0,1.00%,F,T)

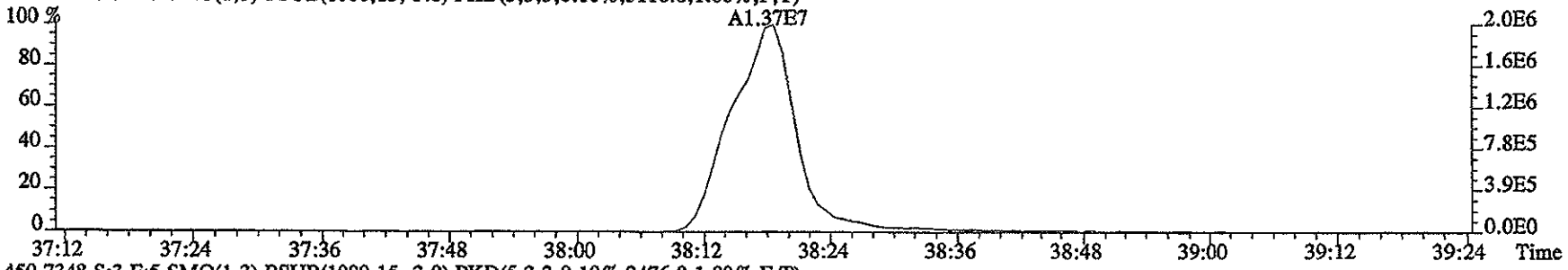


437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15996.0,1.00%,F,T)

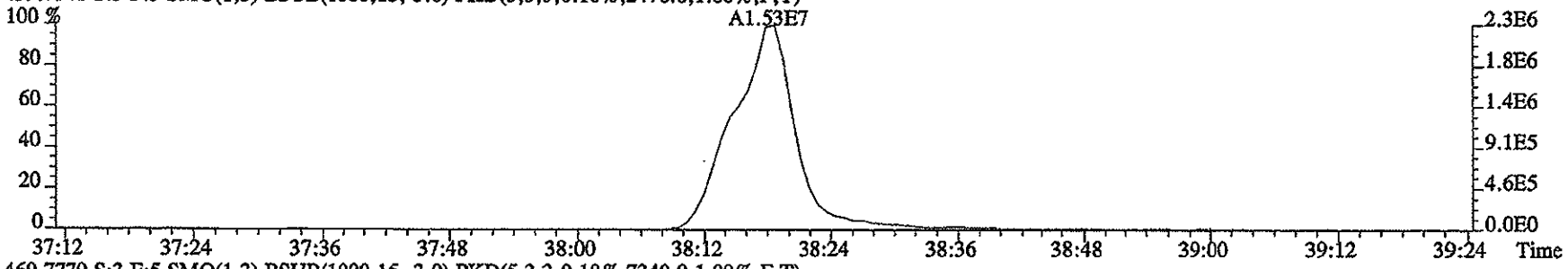



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8956.0,1.00%,F,T)
A1.78E7
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7392.0,1.00%,F,T)
A2.05E7
513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2364.0,1.00%,F,T)
37:23
37:34
37:41
37:47
37:53
38:09
38:23
38:38
38:47
38:58
39:05
39:15
Time

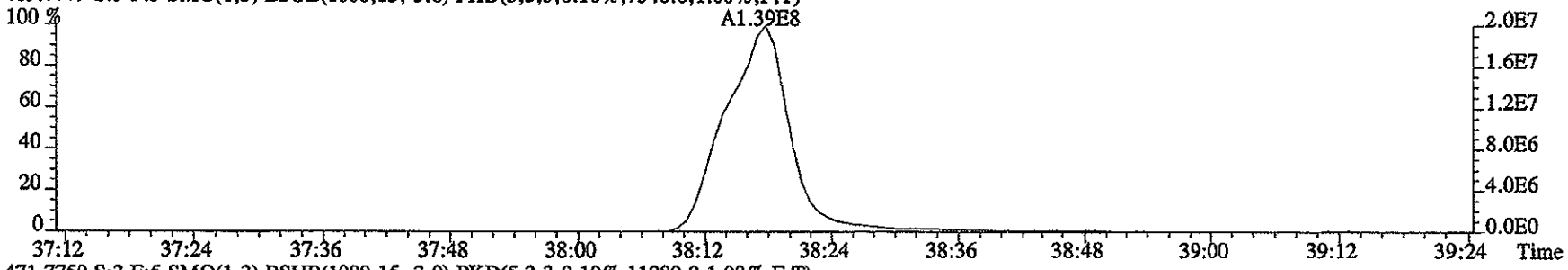
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)



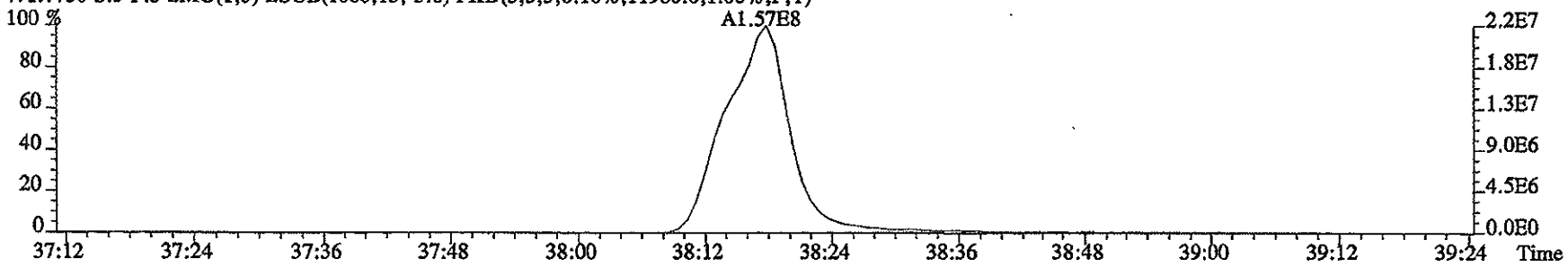
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2476.0,1.00%,F,T)



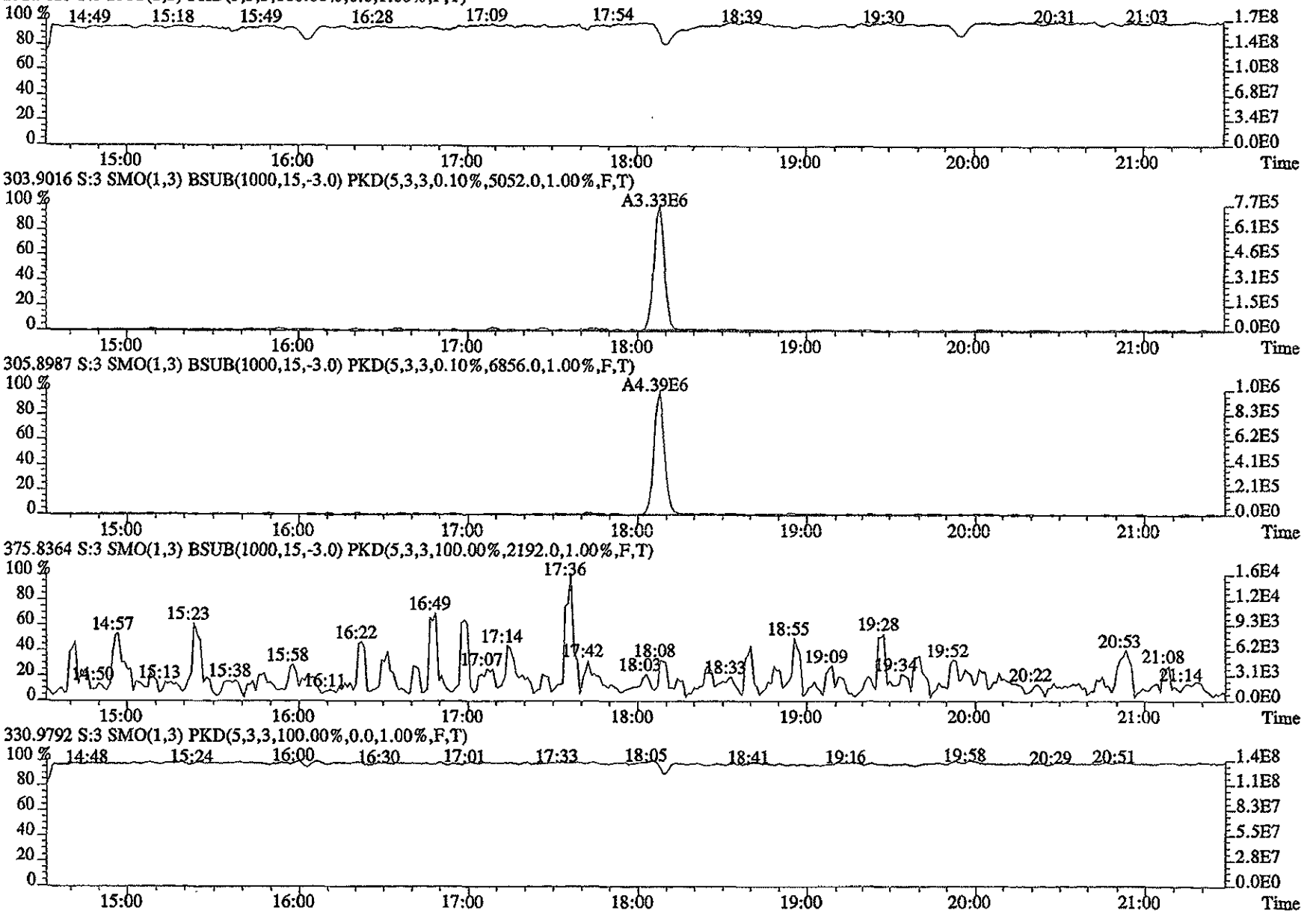
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)

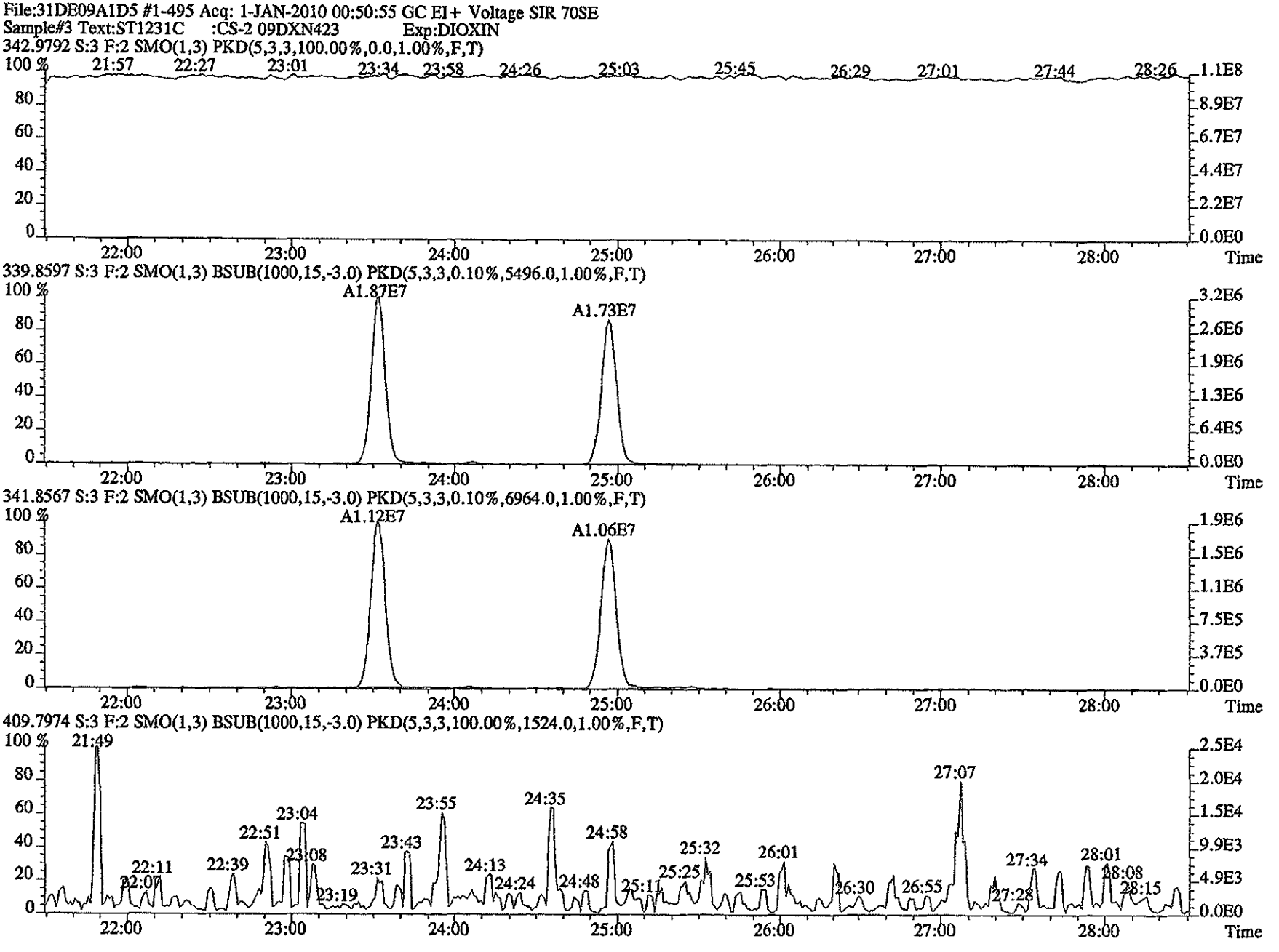


471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11980.0,1.00%,F,T)



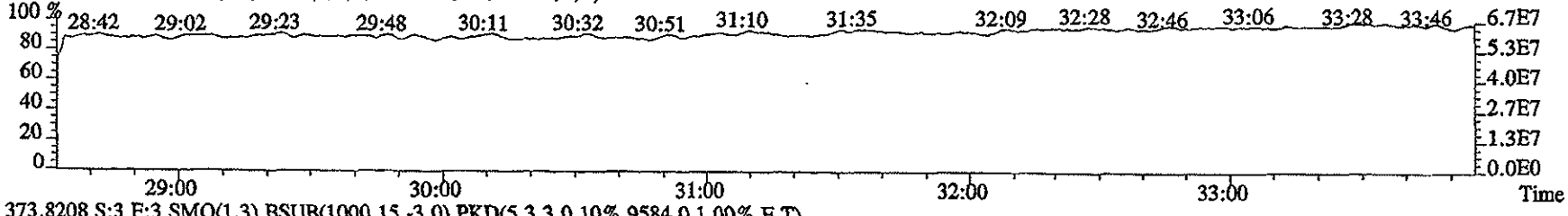
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN



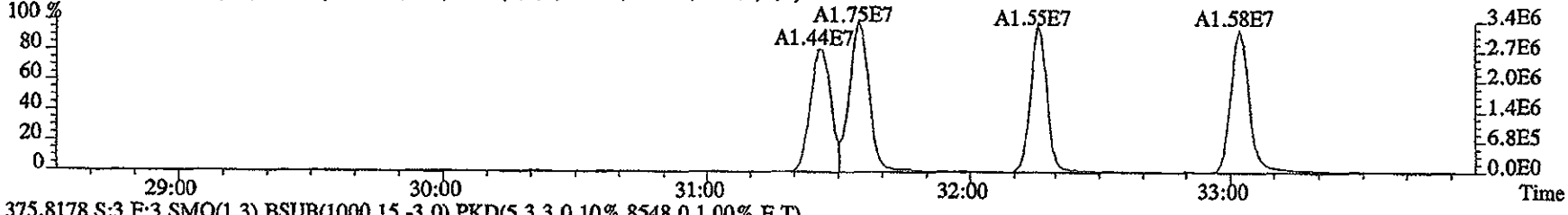


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

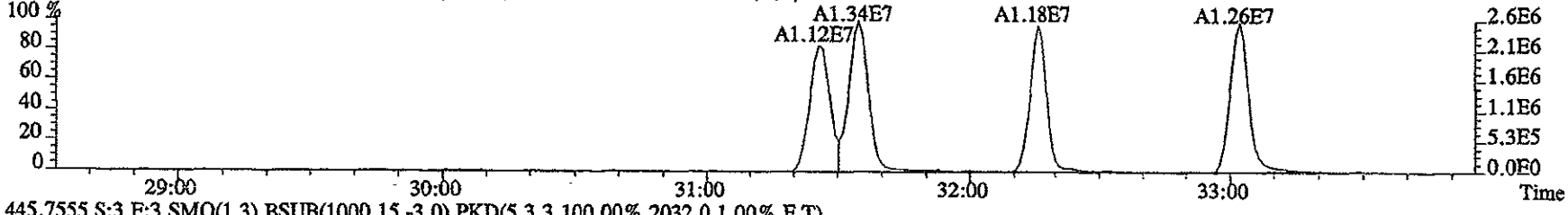
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



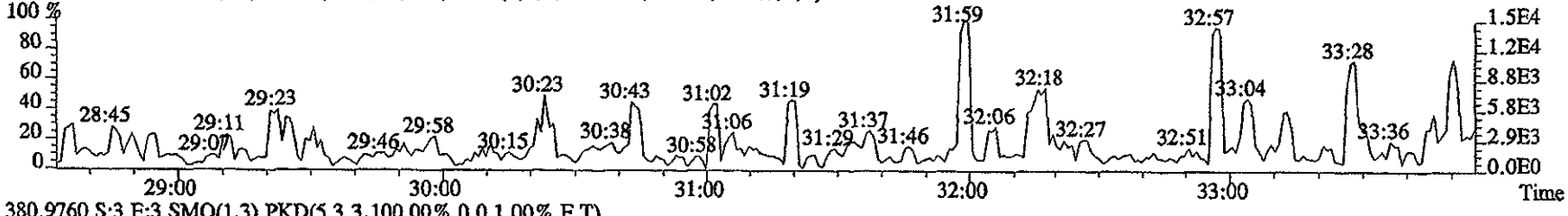
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9584.0,1.00%,F,T)



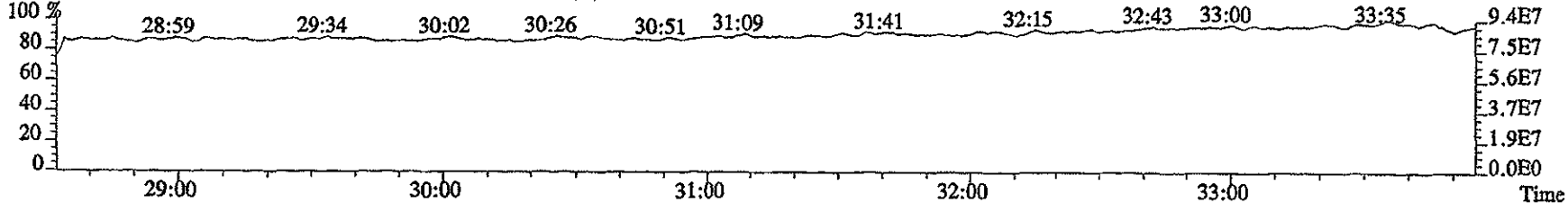
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8548.0,1.00%,F,T)

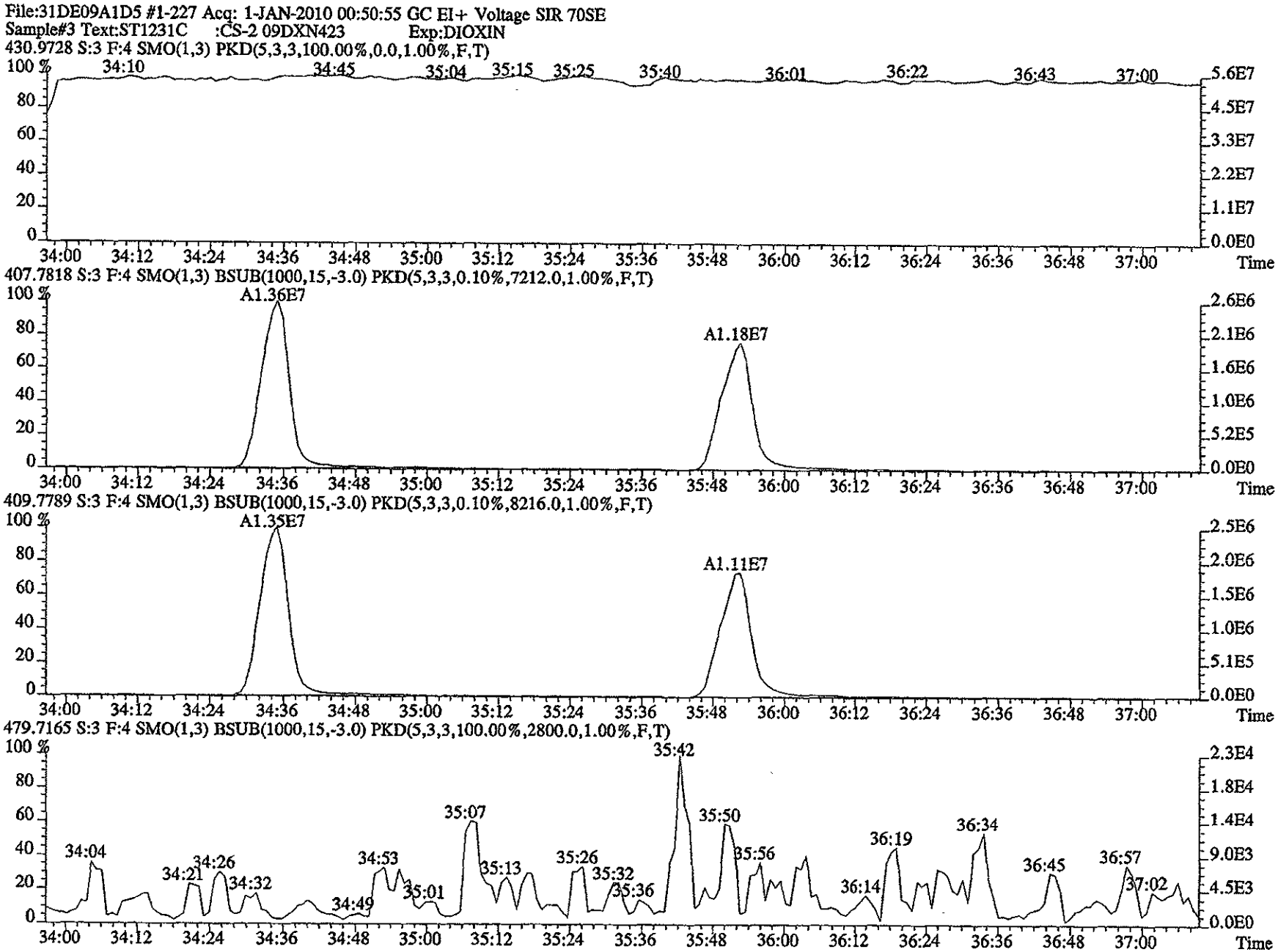


445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2032.0,1.00%,F,T)

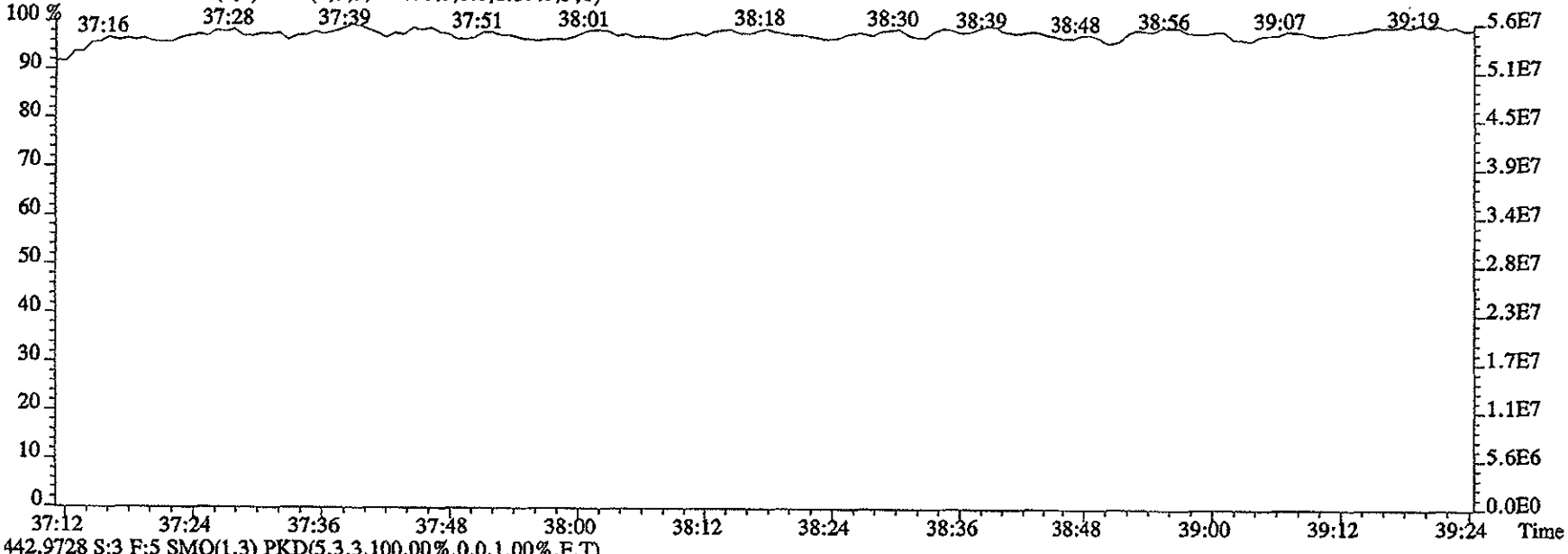


380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

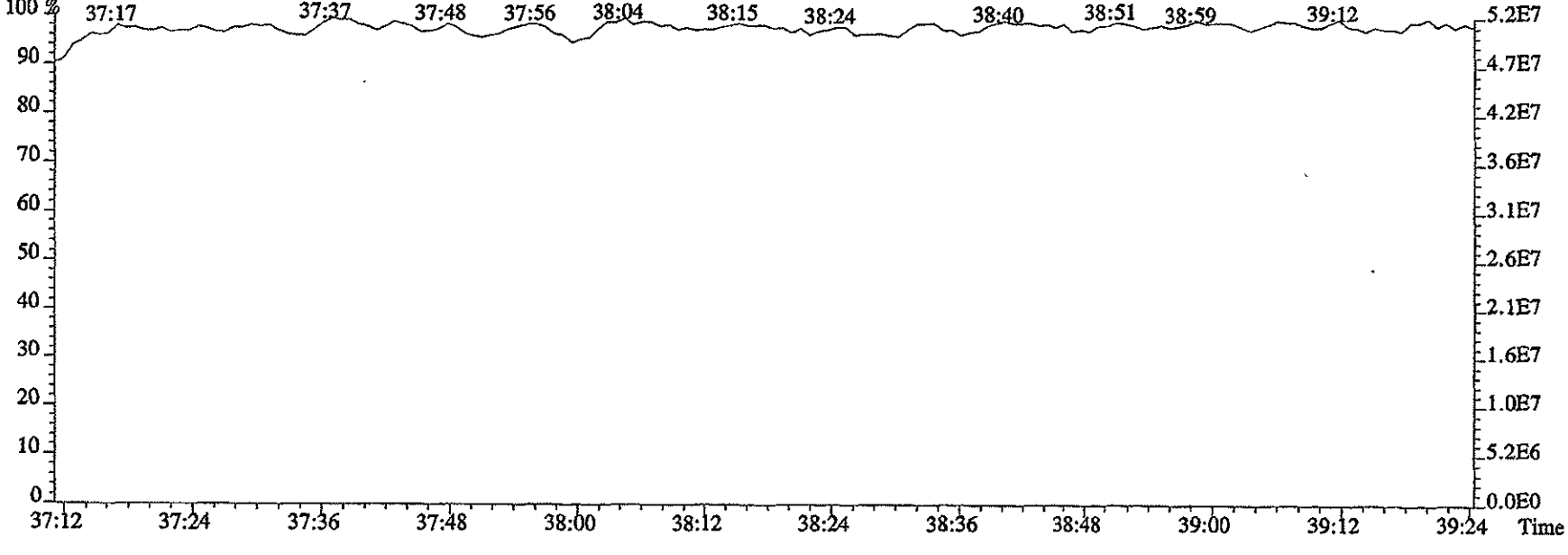




File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

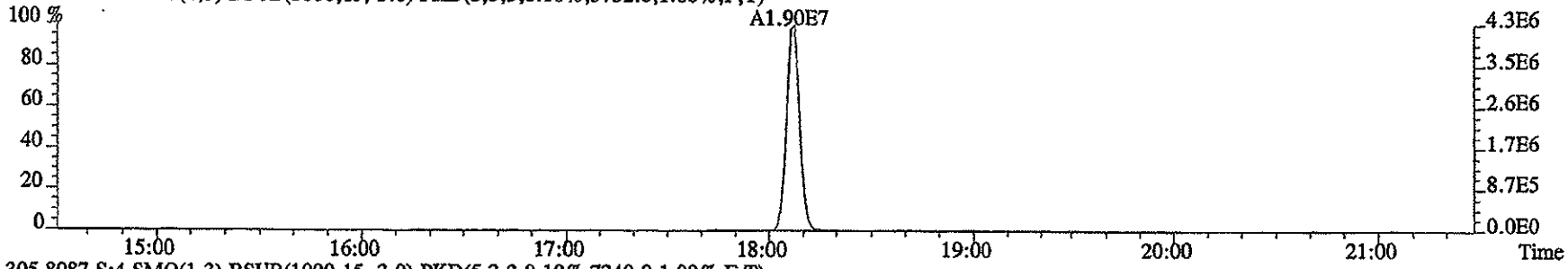


442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

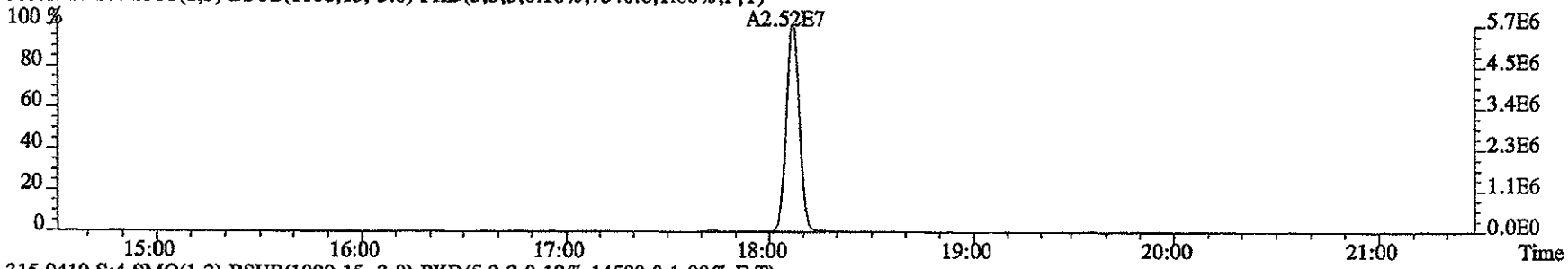


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

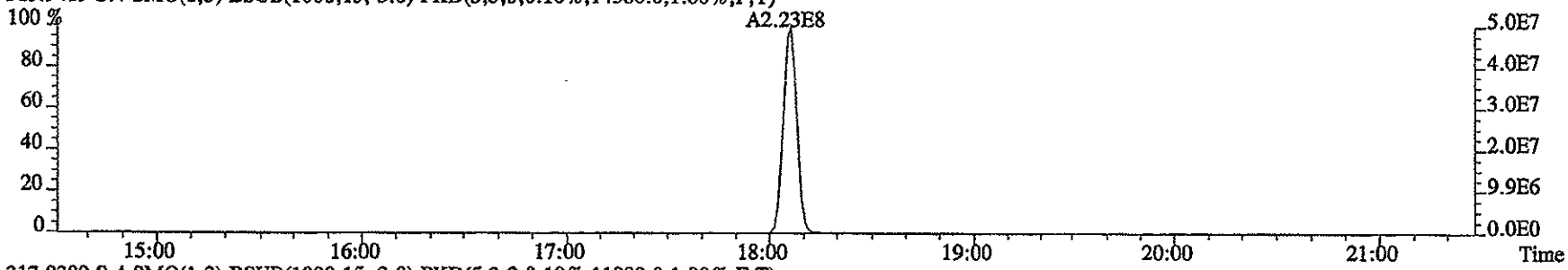
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)



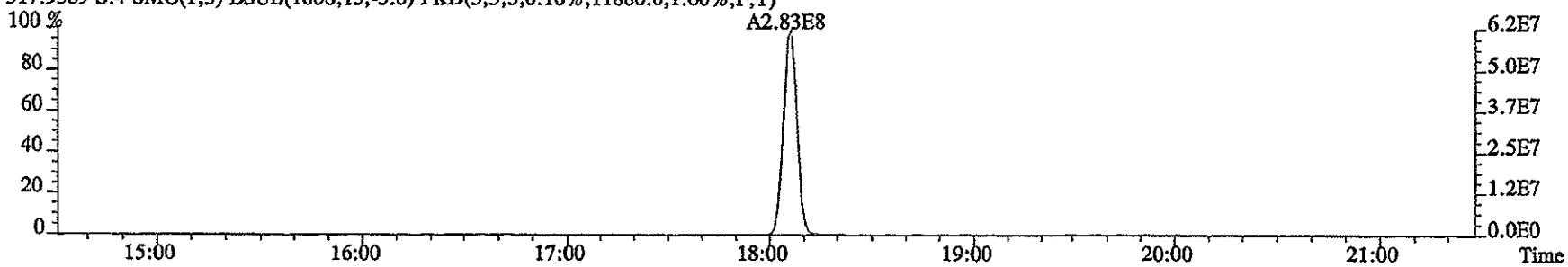
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)



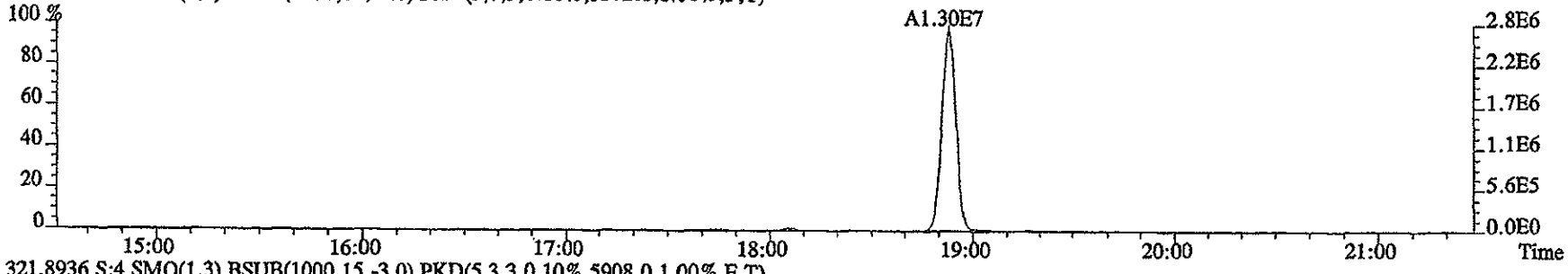
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14580.0,1.00%,F,T)



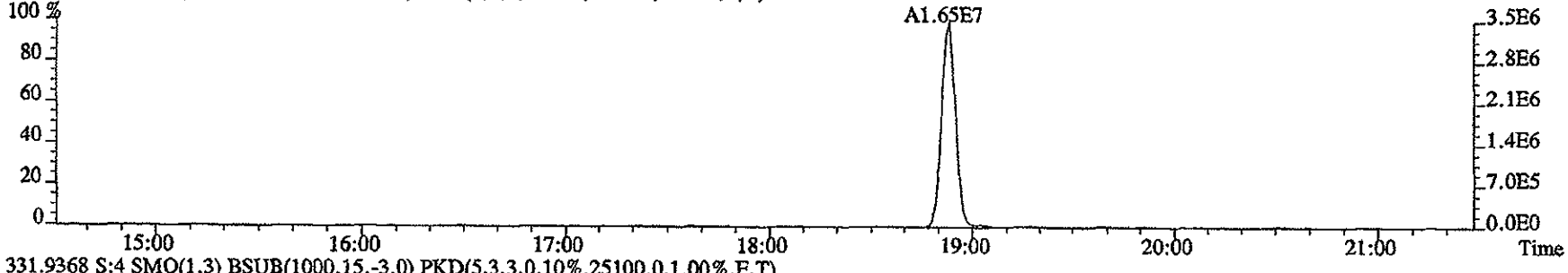
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11880.0,1.00%,F,T)



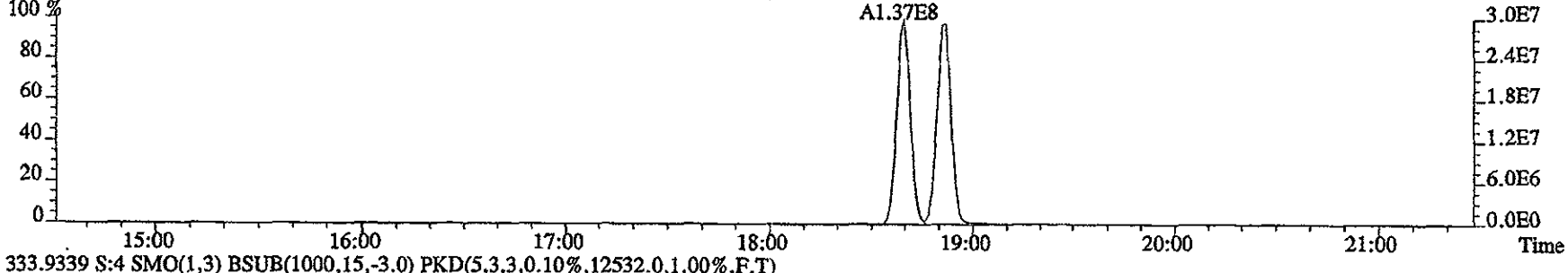
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5572.0,1.00%,F,T)



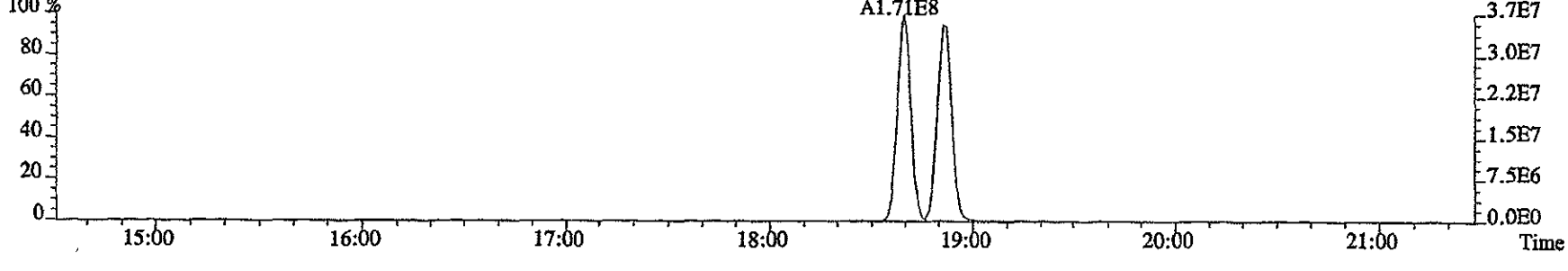
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5908.0,1.00%,F,T)



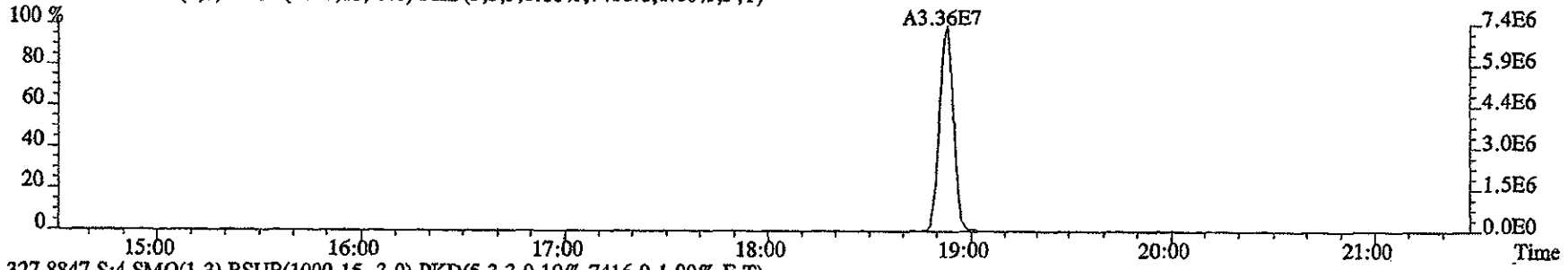
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25100.0,1.00%,F,T)



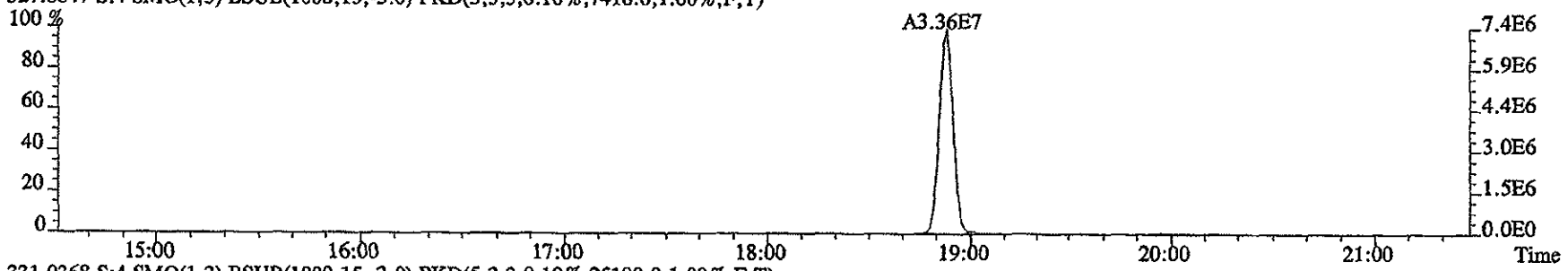
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12532.0,1.00%,F,T)



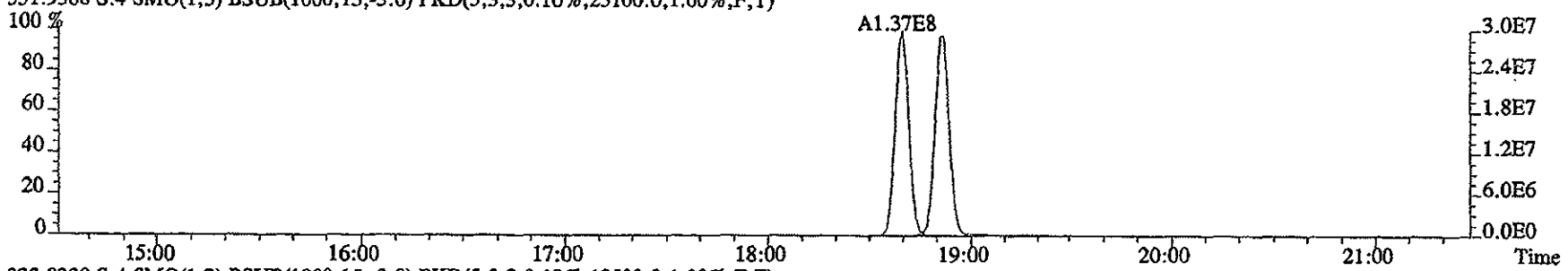
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7416.0,1.00%,F,T)



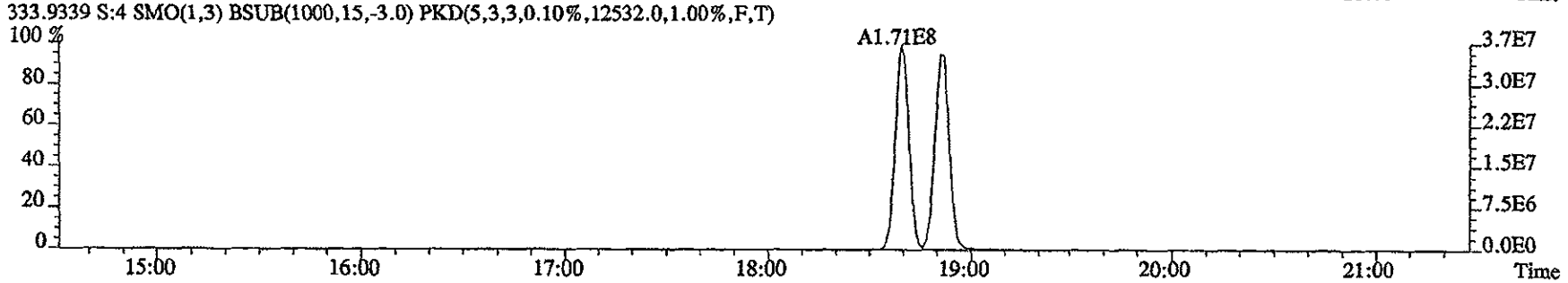
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7416.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25100.0,1.00%,F,T)

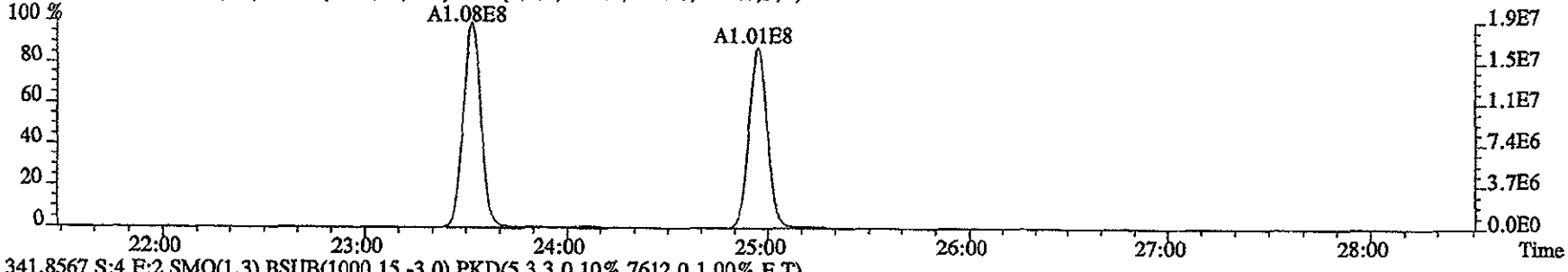


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12532.0,1.00%,F,T)

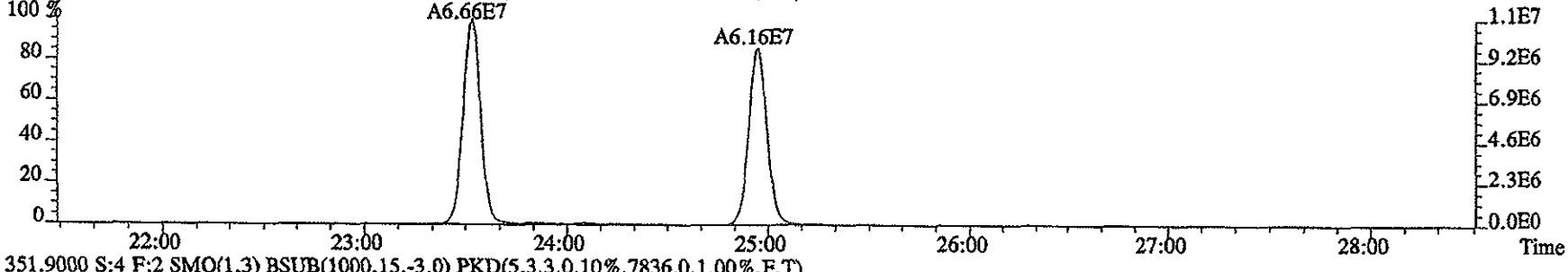


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

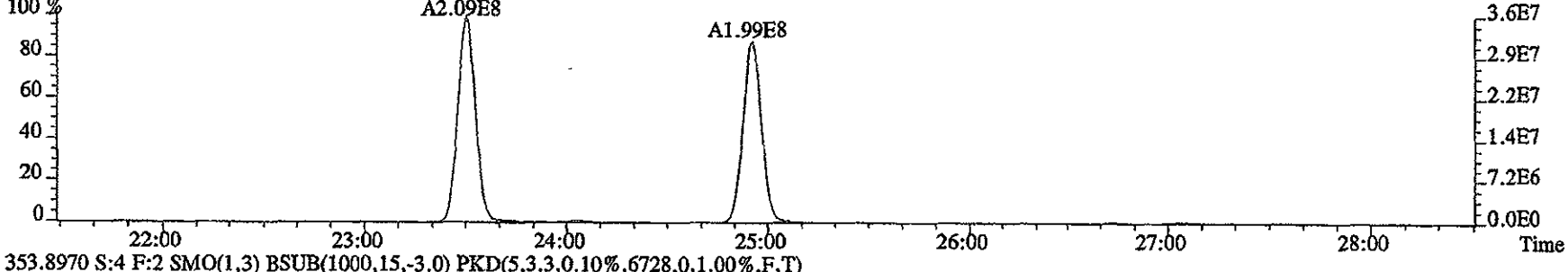
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)



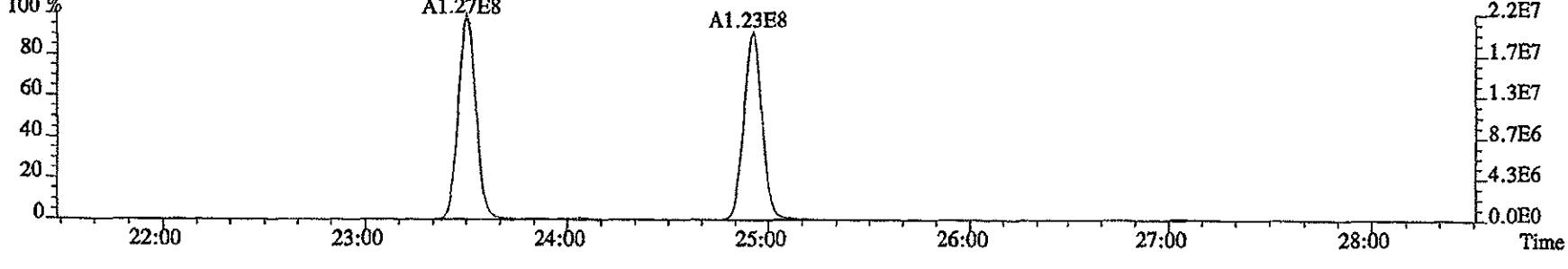
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)



351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7836.0,1.00%,F,T)

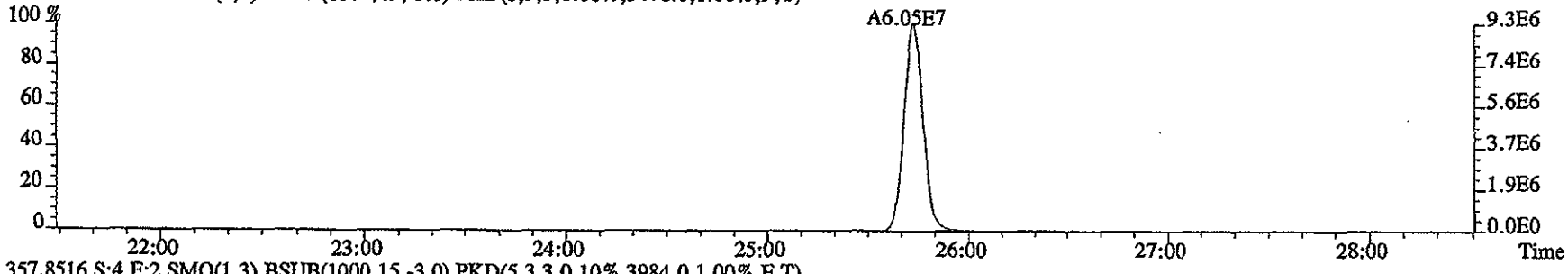


353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6728.0,1.00%,F,T)

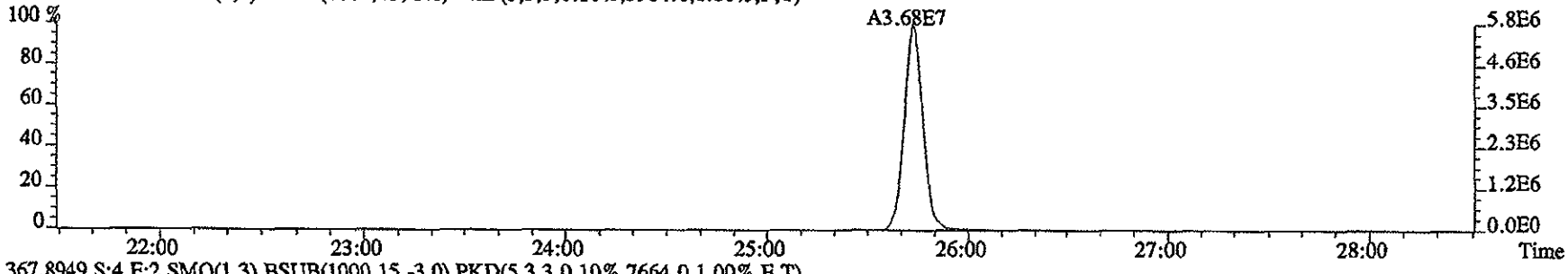


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

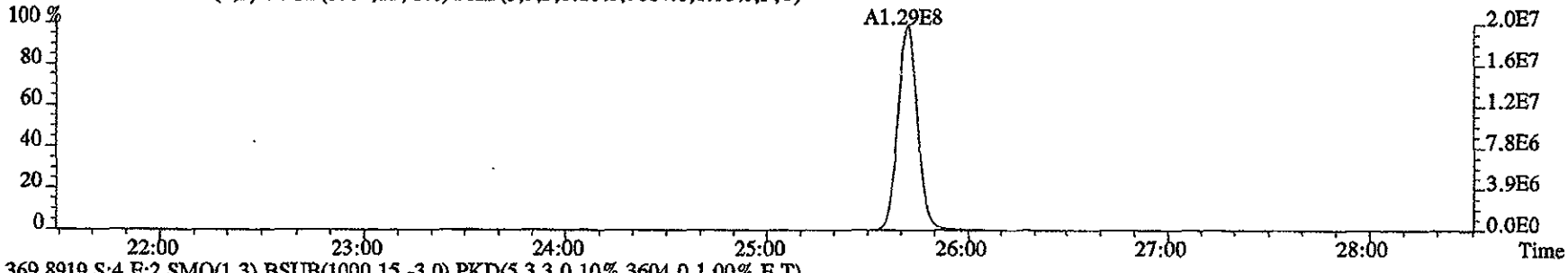
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5476.0,1.00%,F,T)



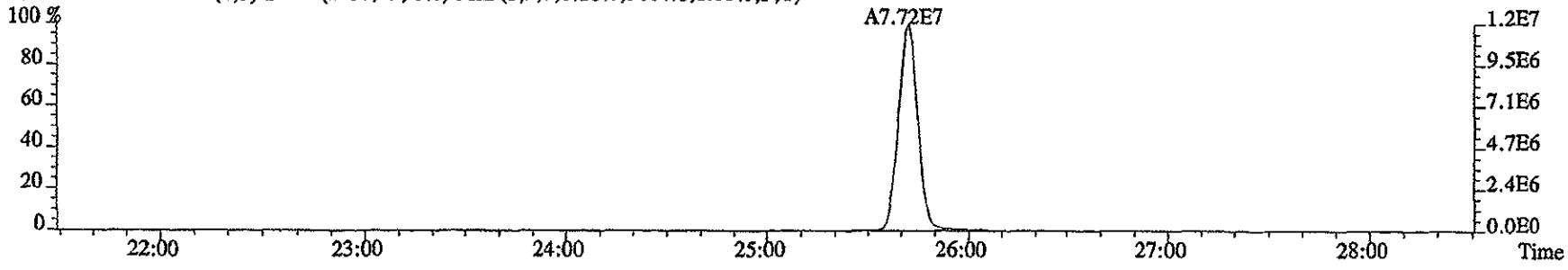
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3984.0,1.00%,F,T)



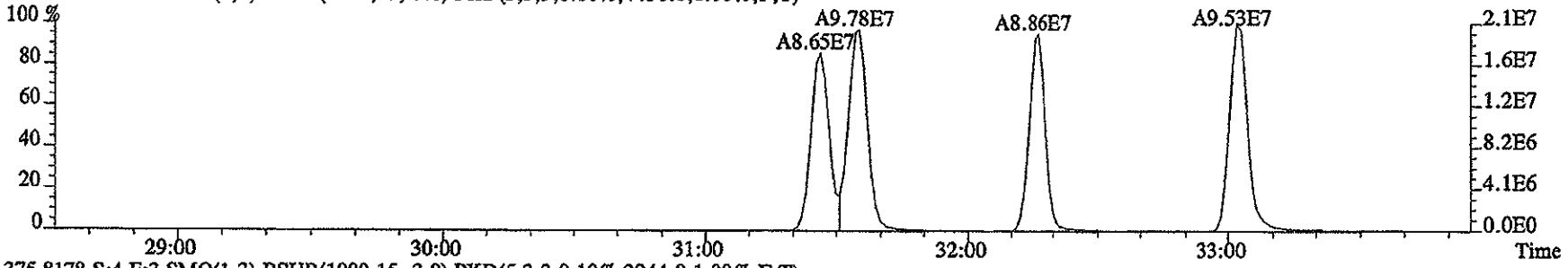
367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7664.0,1.00%,F,T)



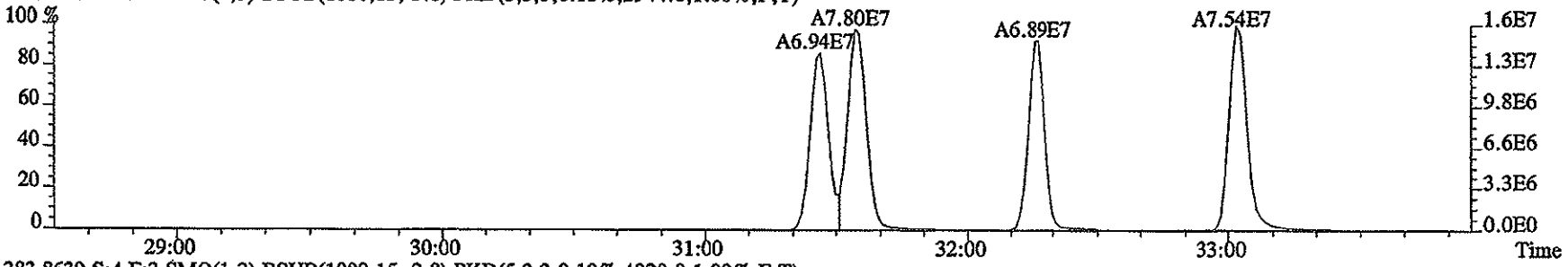
369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3604.0,1.00%,F,T)



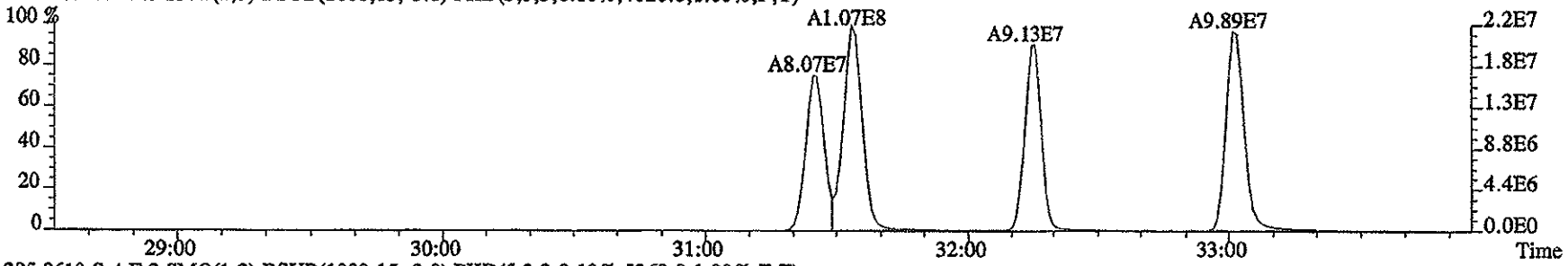
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



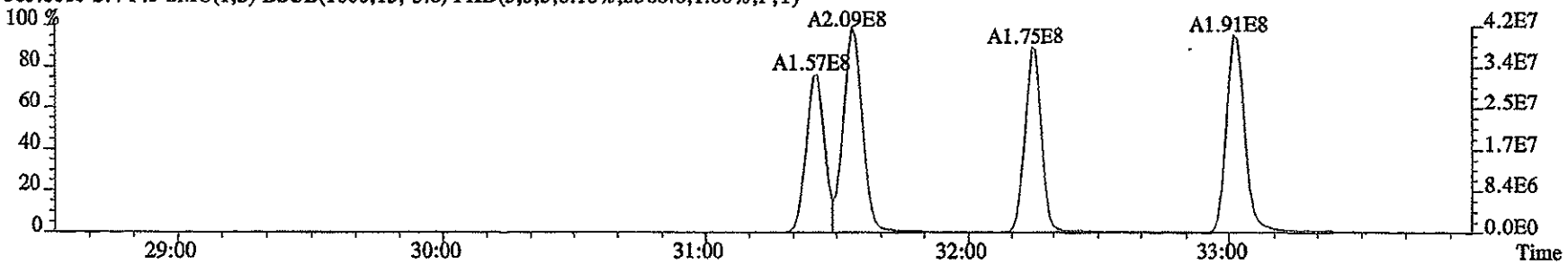
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)



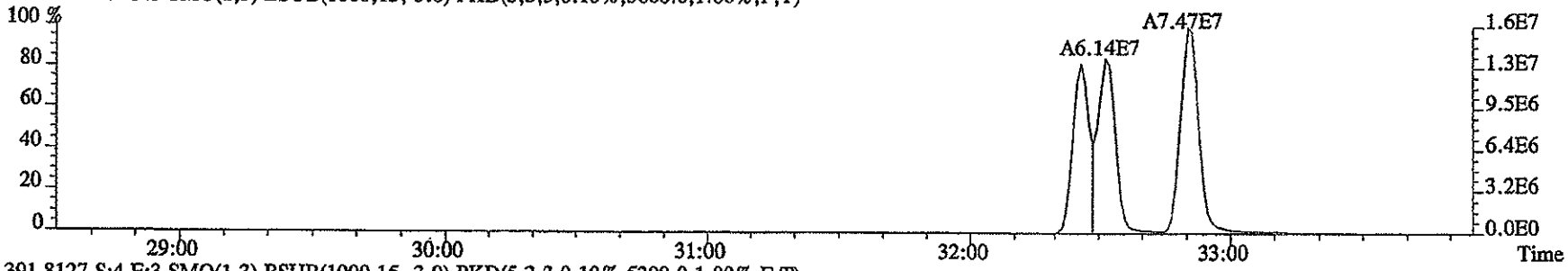
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4020.0,1.00%,F,T)



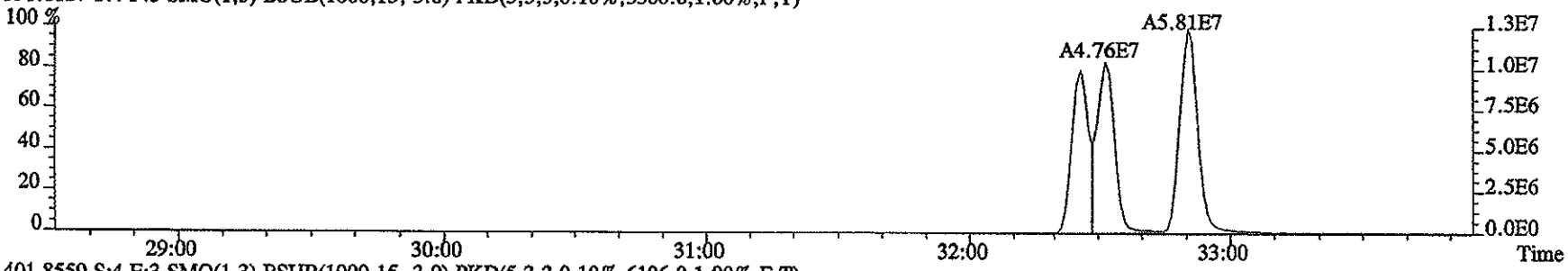
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5368.0,1.00%,F,T)



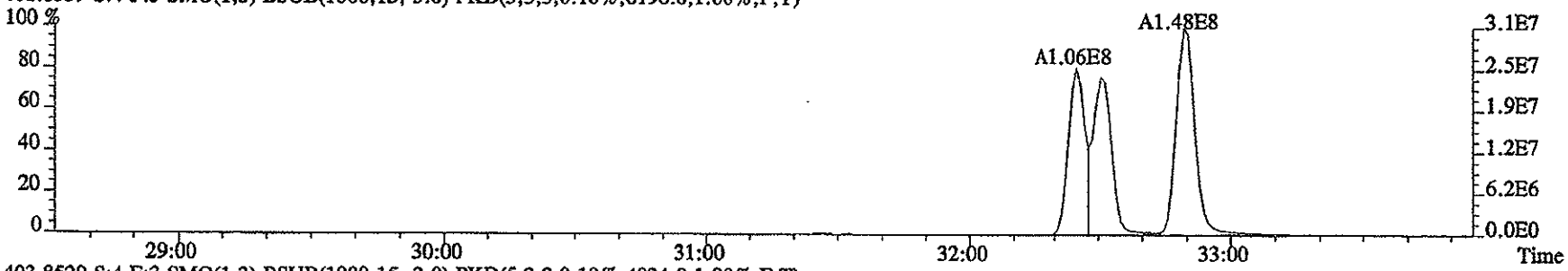
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3668.0,1.00%,F,T)



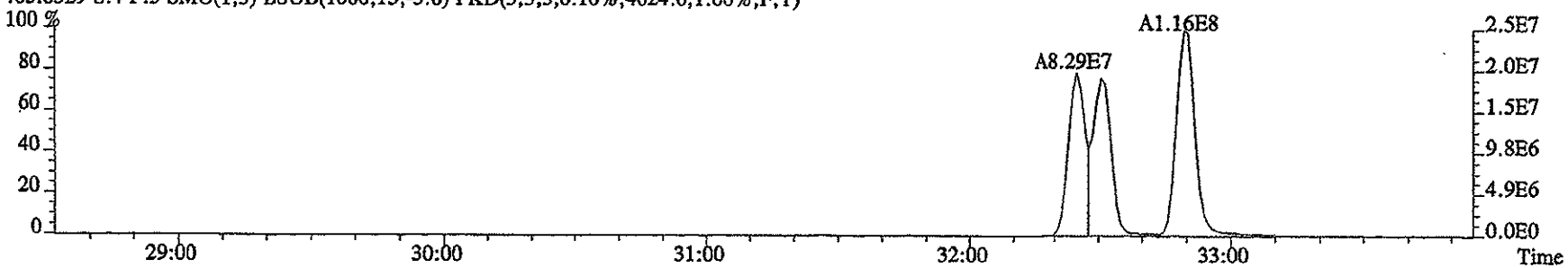
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5300.0,1.00%,F,T)



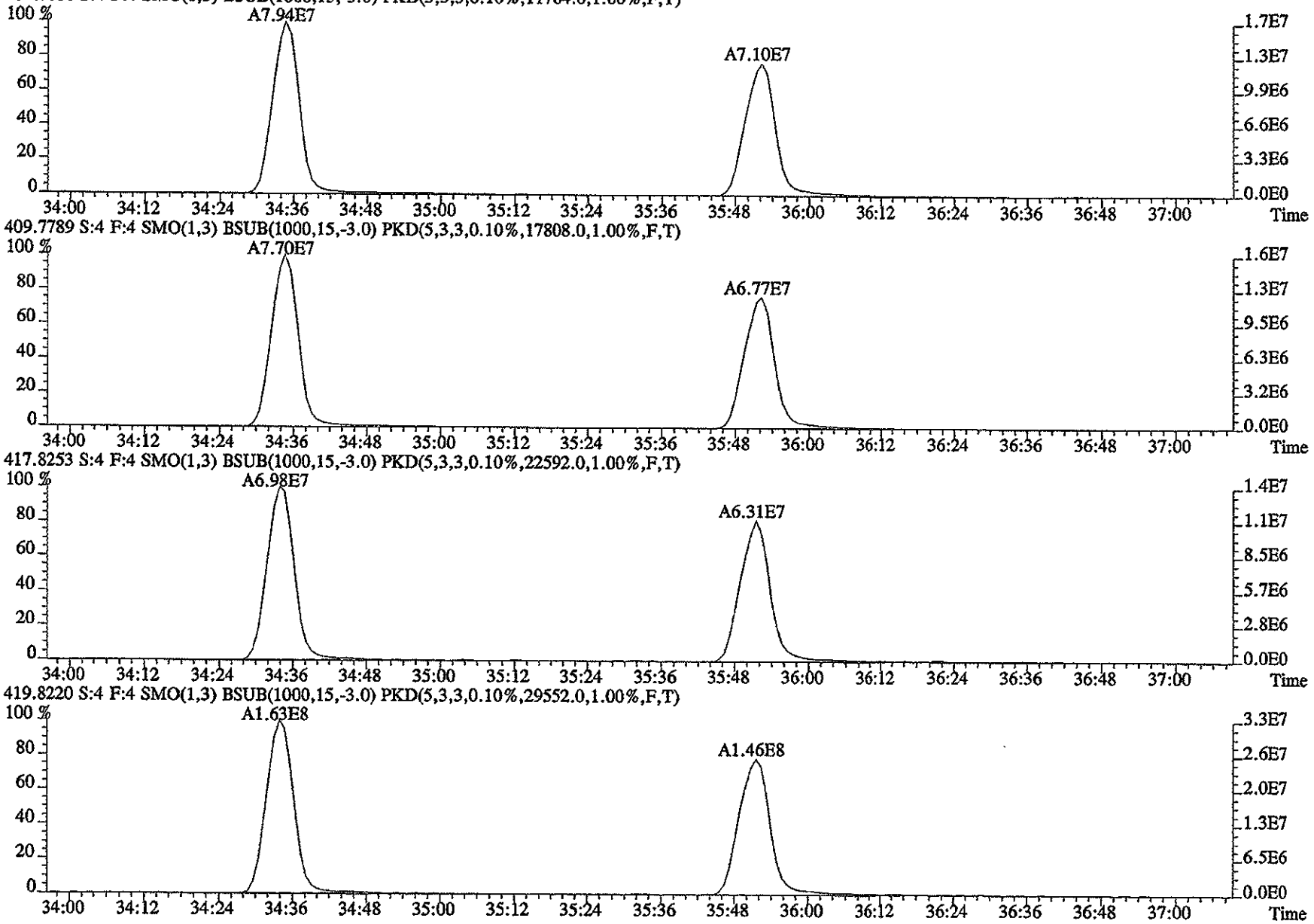
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6196.0,1.00%,F,T)



403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4024.0,1.00%,F,T)

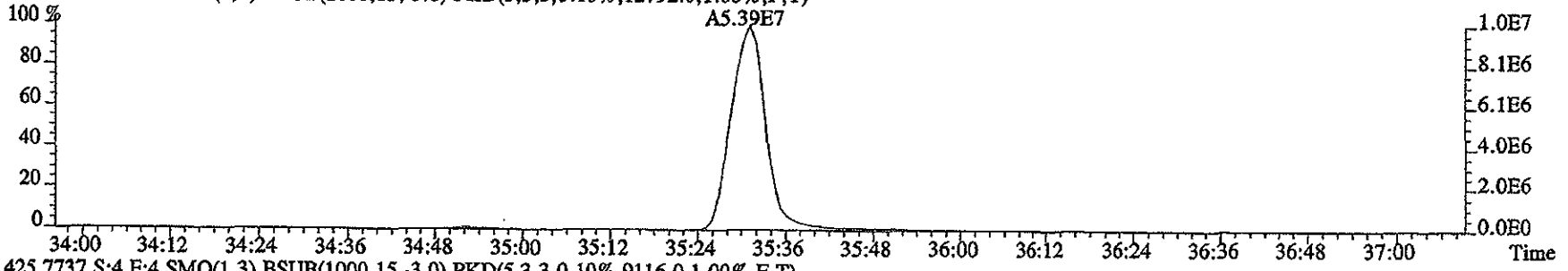


File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

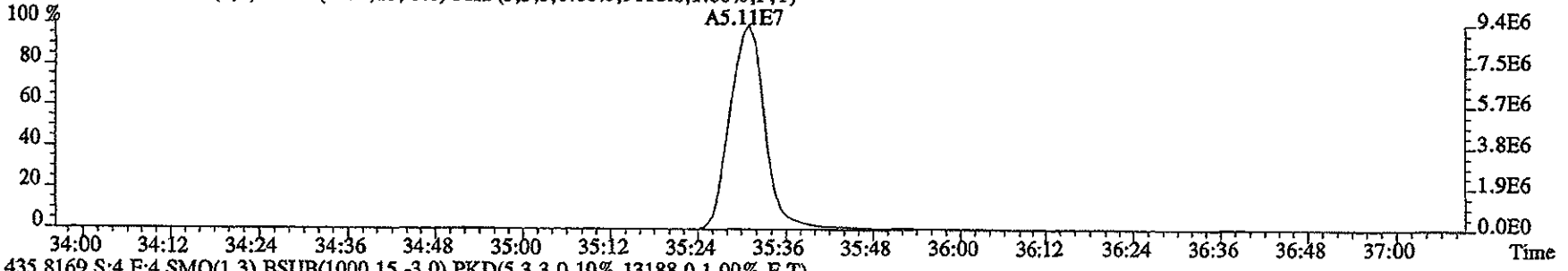


File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

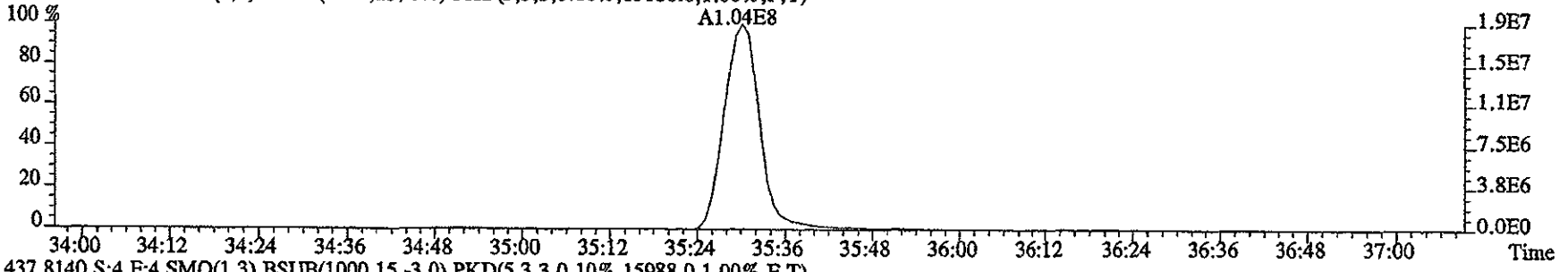
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12792.0,1.00%,F,T)



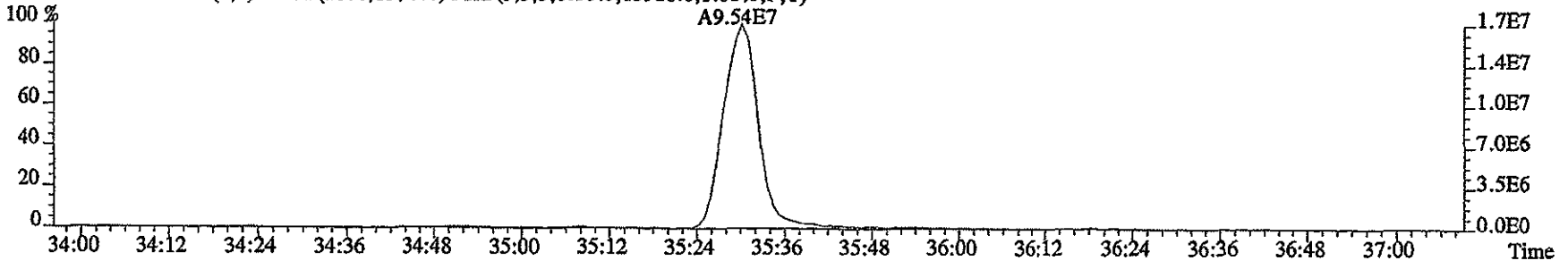
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9116.0,1.00%,F,T)



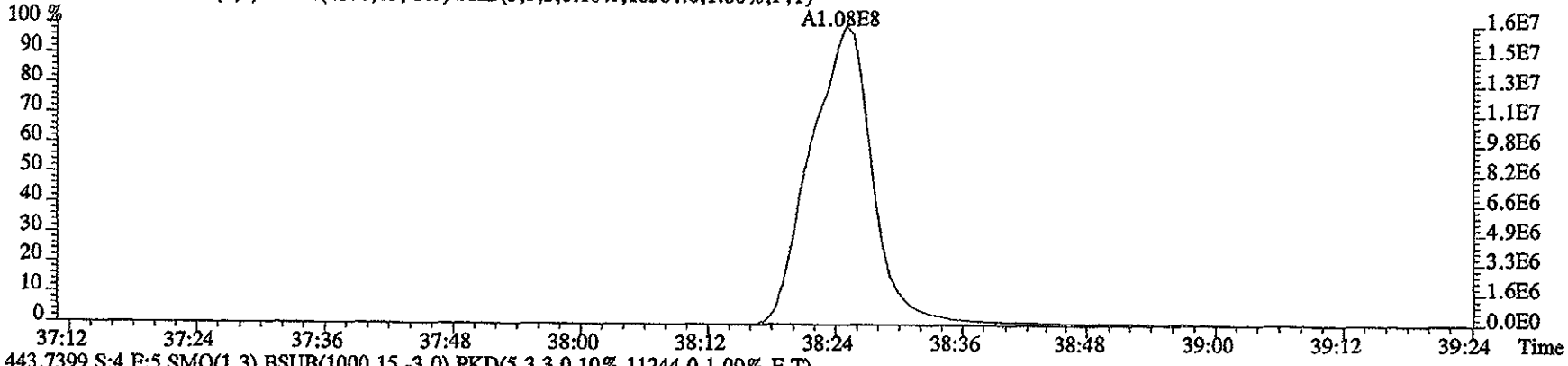
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13188.0,1.00%,F,T)



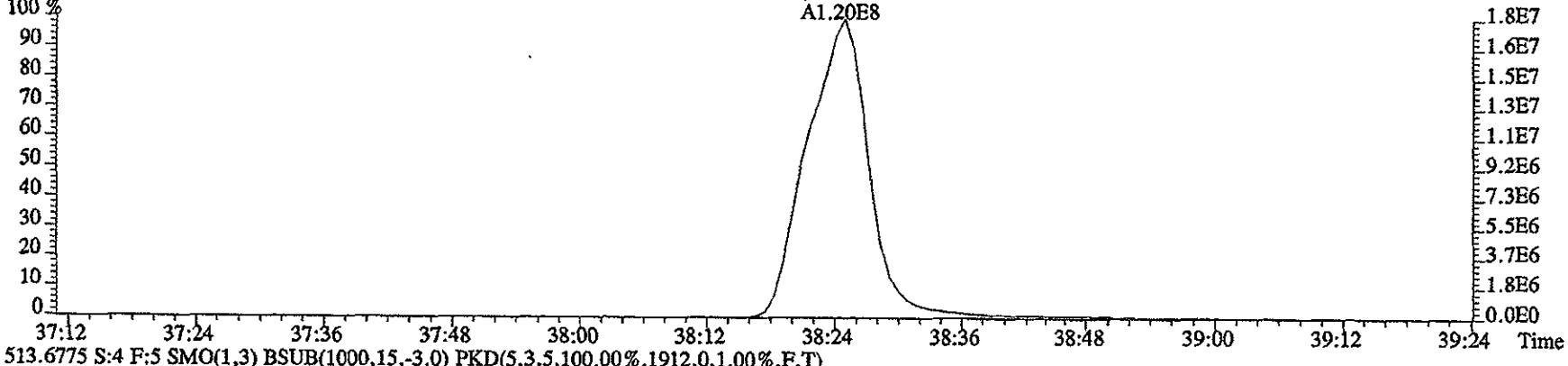
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15988.0,1.00%,F,T)



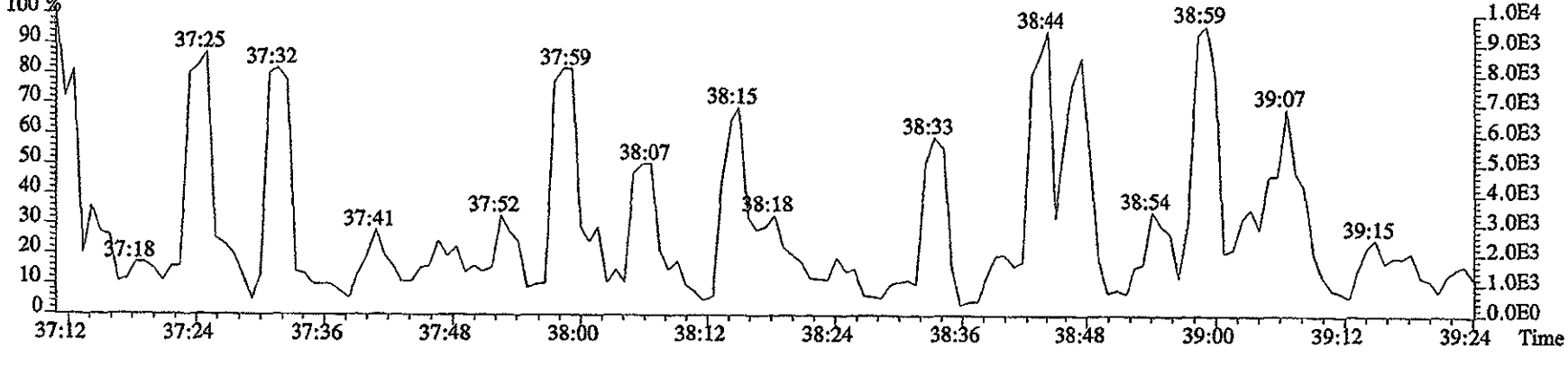
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10364.0,1.00%,F,T)



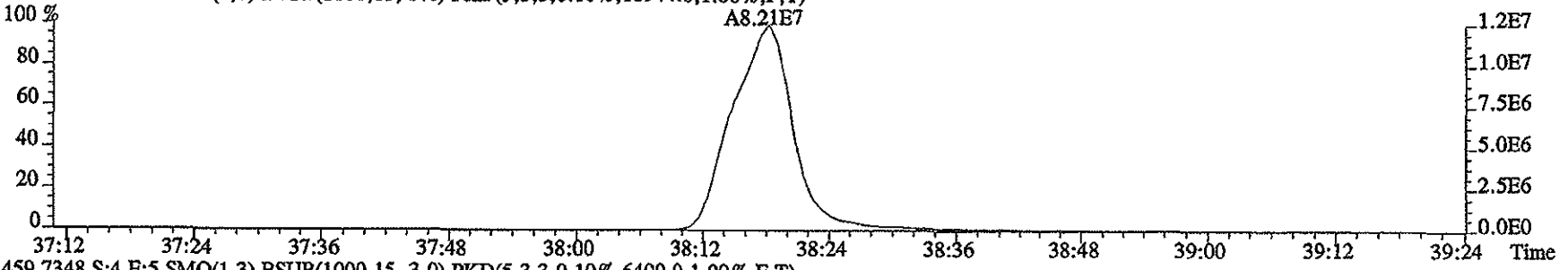
443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11244.0,1.00%,F,T)



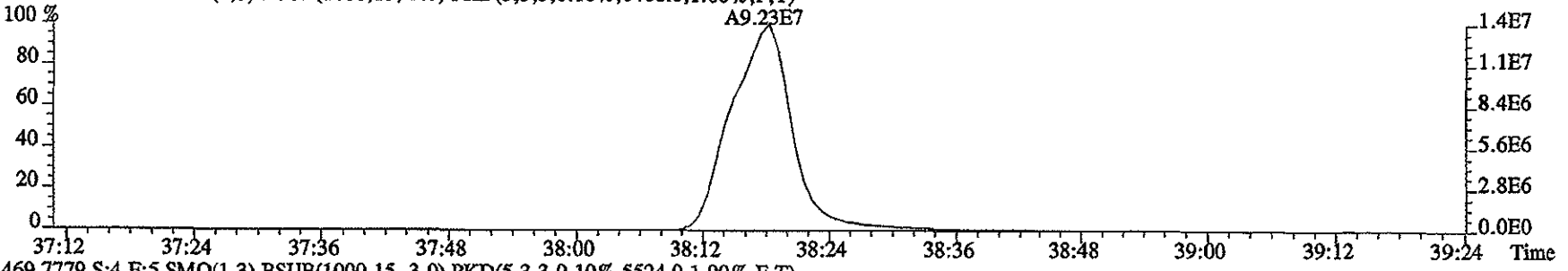
513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1912.0,1.00%,F,T)



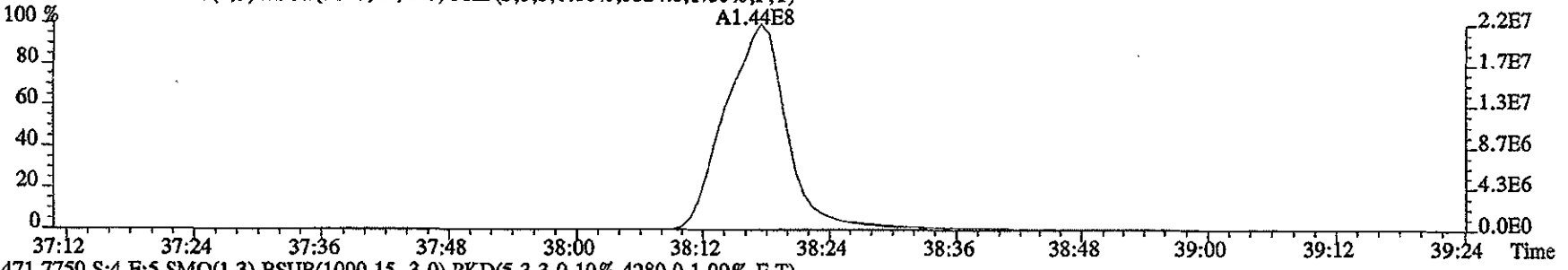
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18944.0,1.00%,F,T)



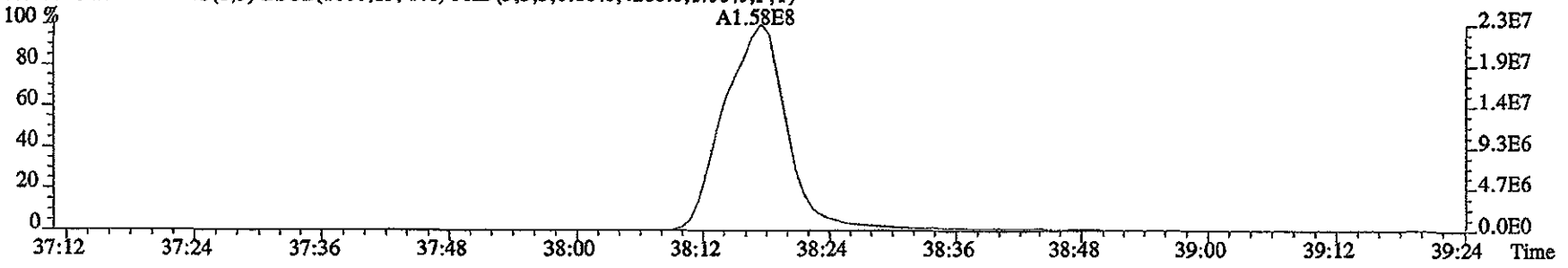
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T)

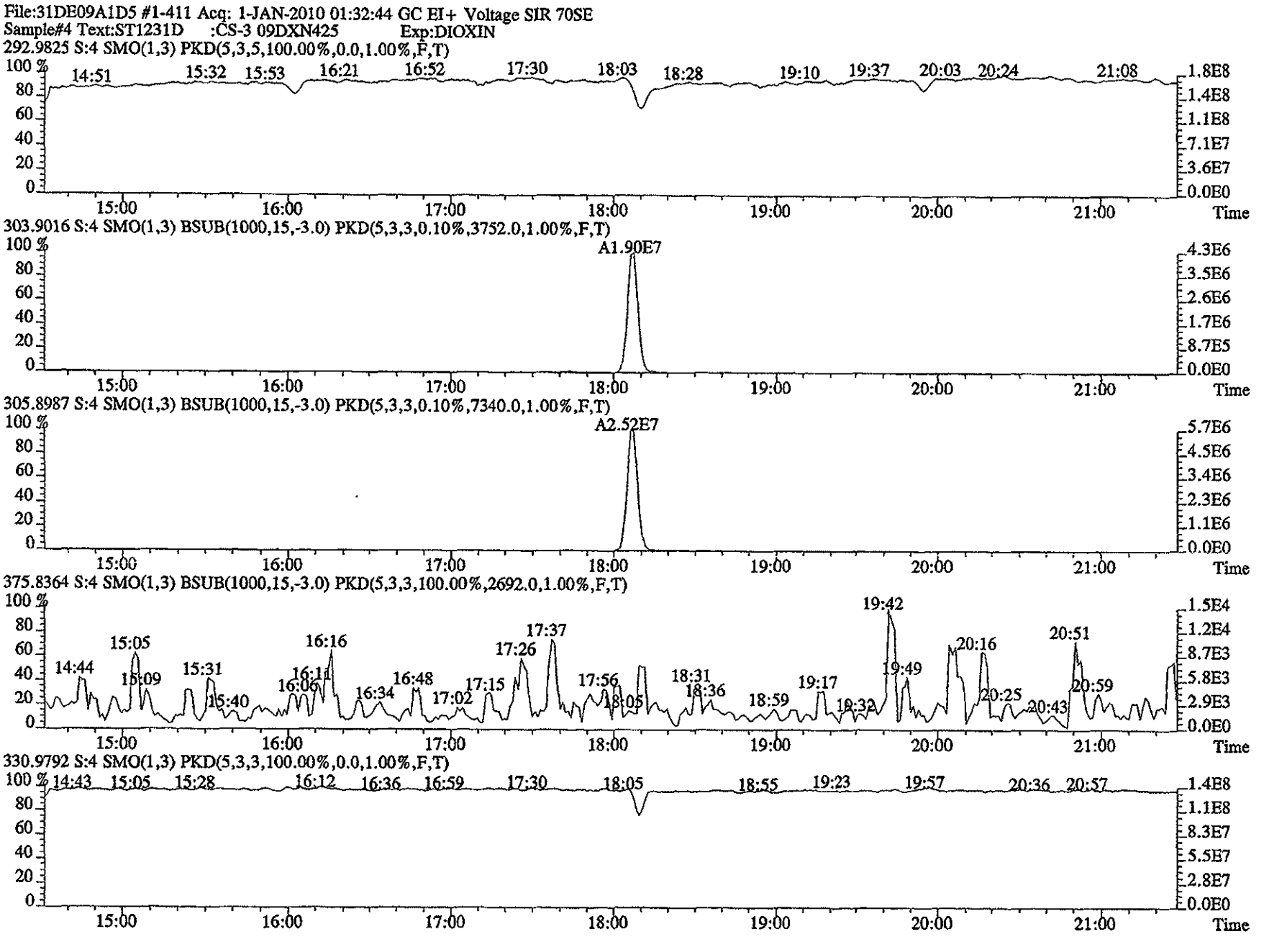


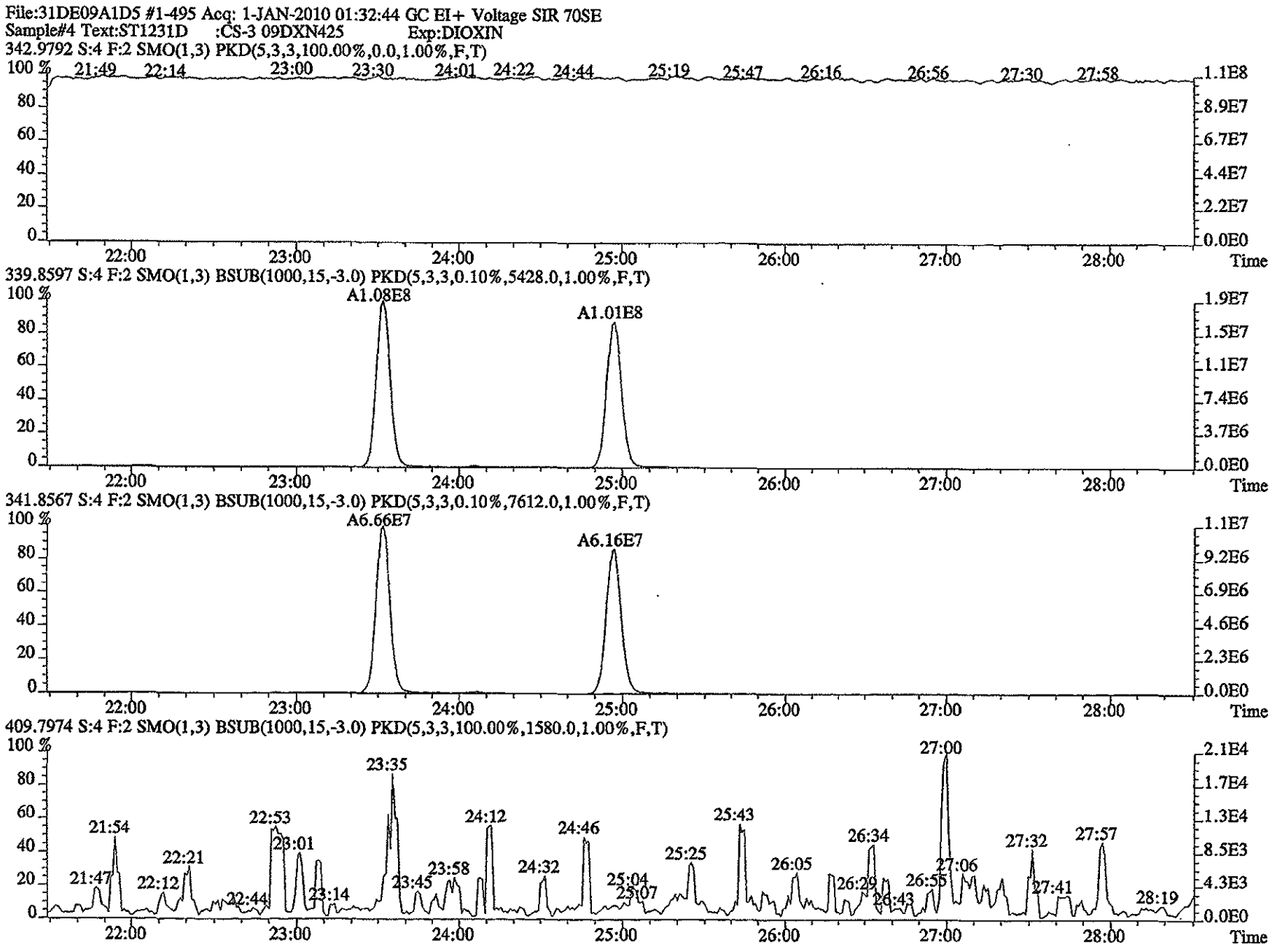
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5524.0,1.00%,F,T)



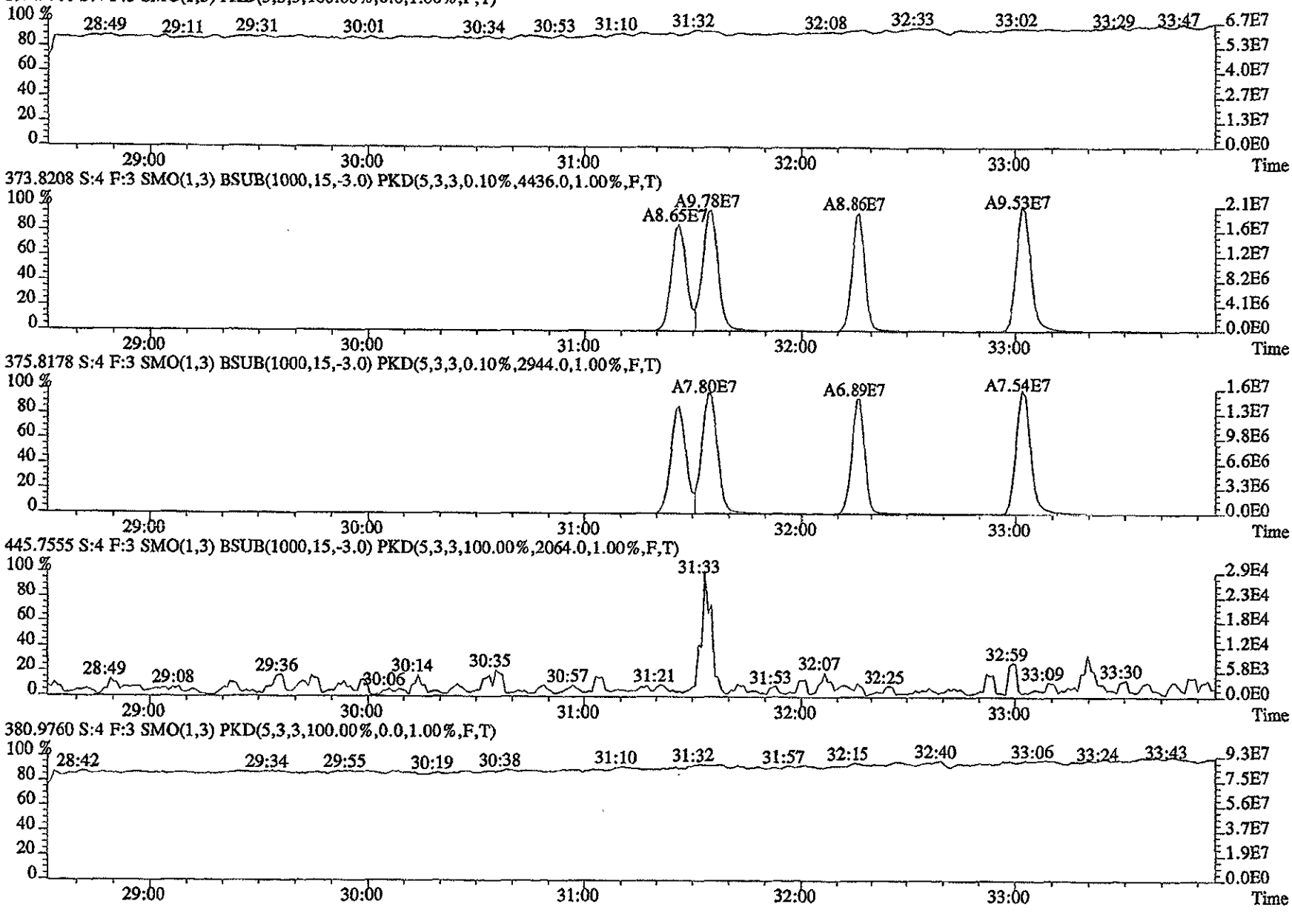
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4280.0,1.00%,F,T)



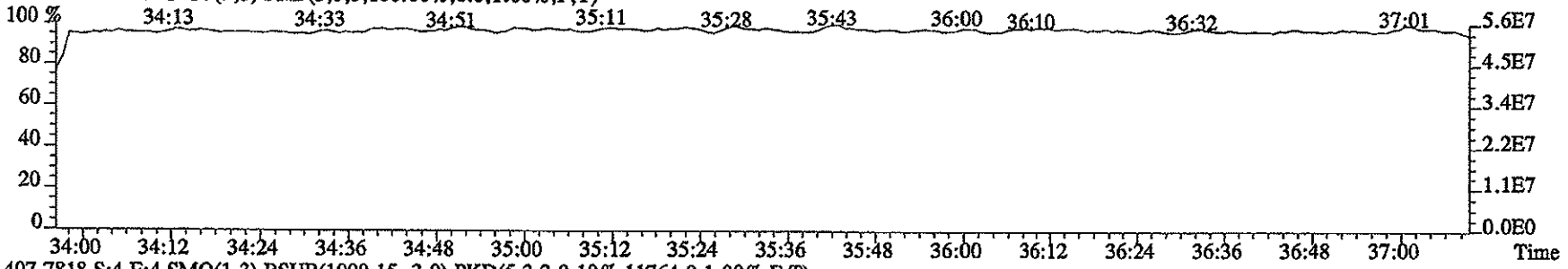



File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)
A1.08E8
A1.01E8
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)
A6.66E7
A6.16E7
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1580.0,1.00%,F,T)
Time

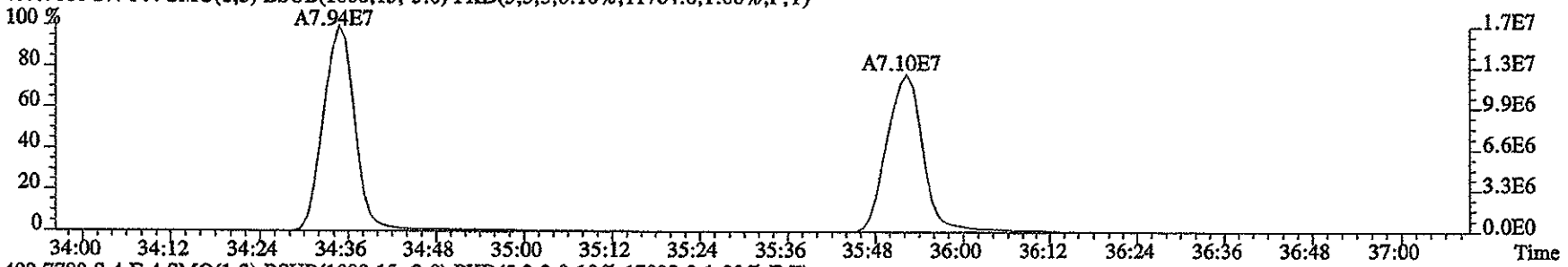
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN



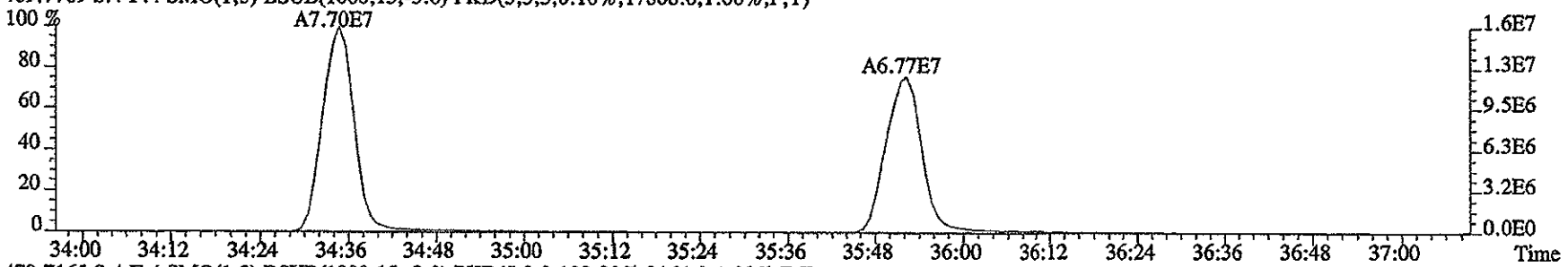
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



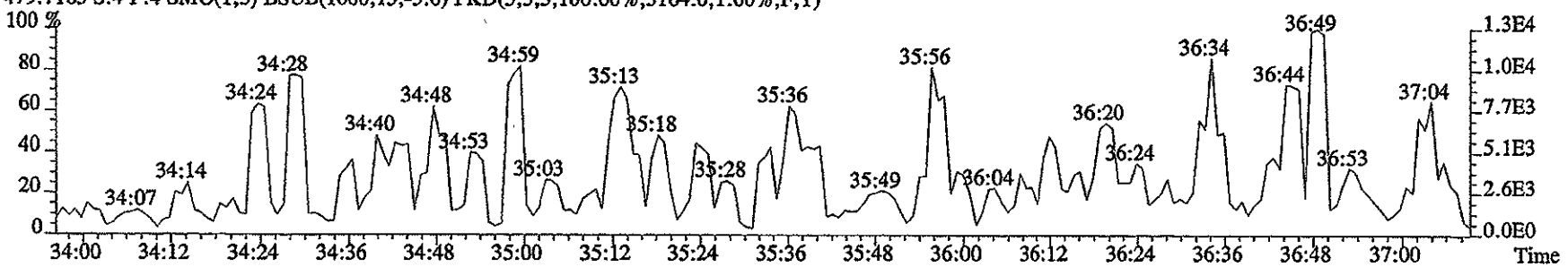
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11764.0,1.00%,F,T)



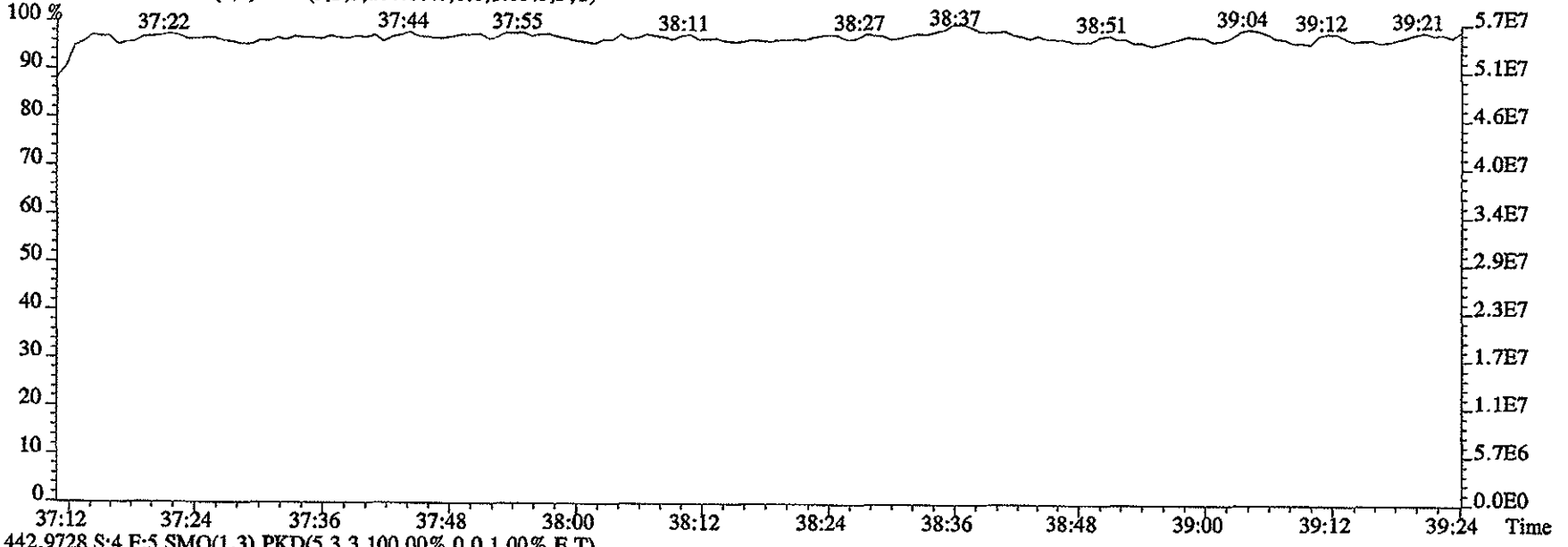
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17808.0,1.00%,F,T)



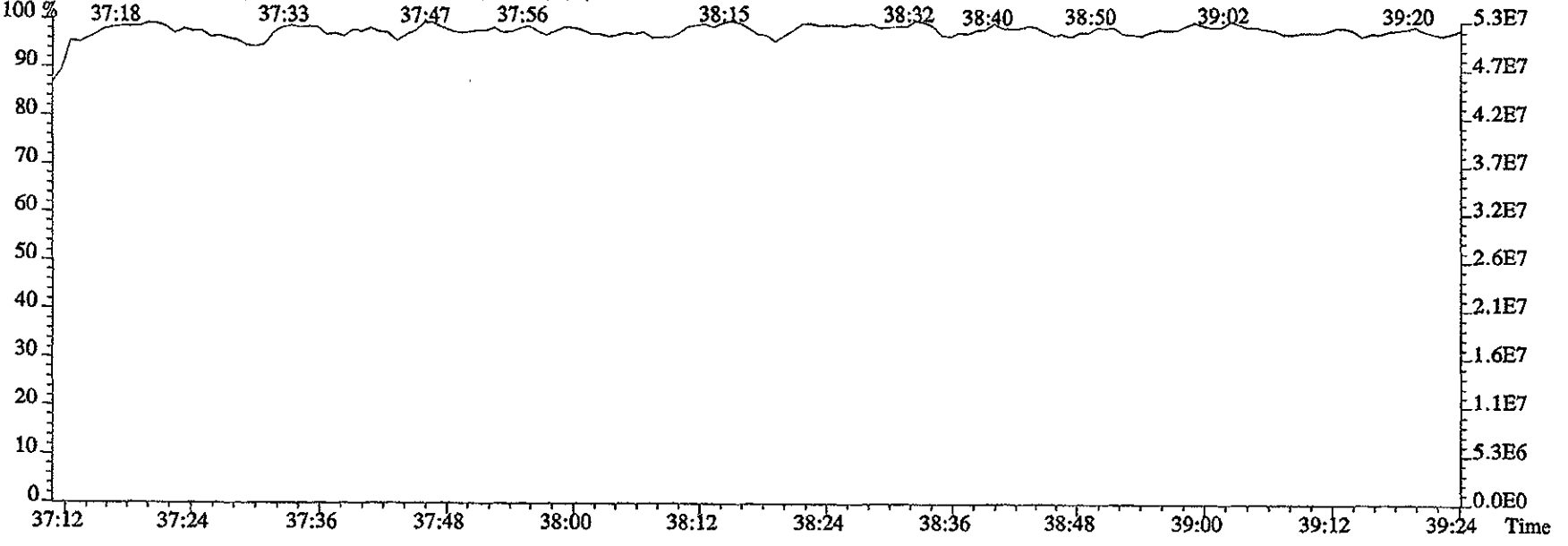
479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3164.0,1.00%,F,T)



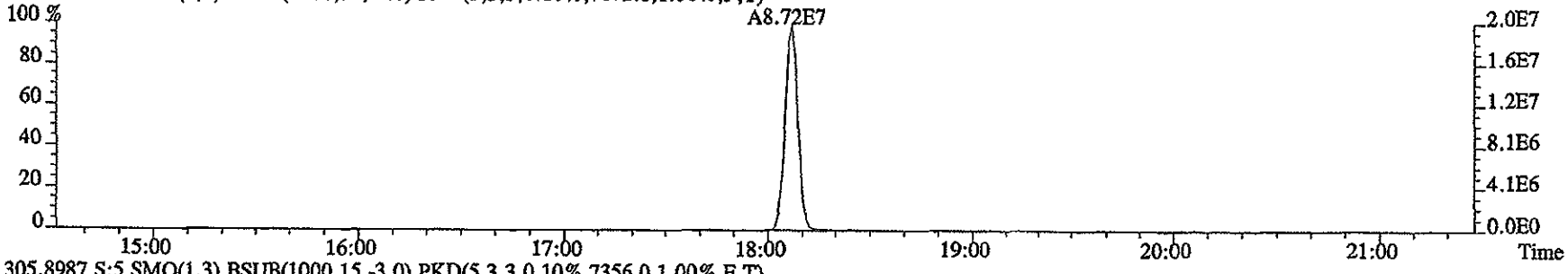
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



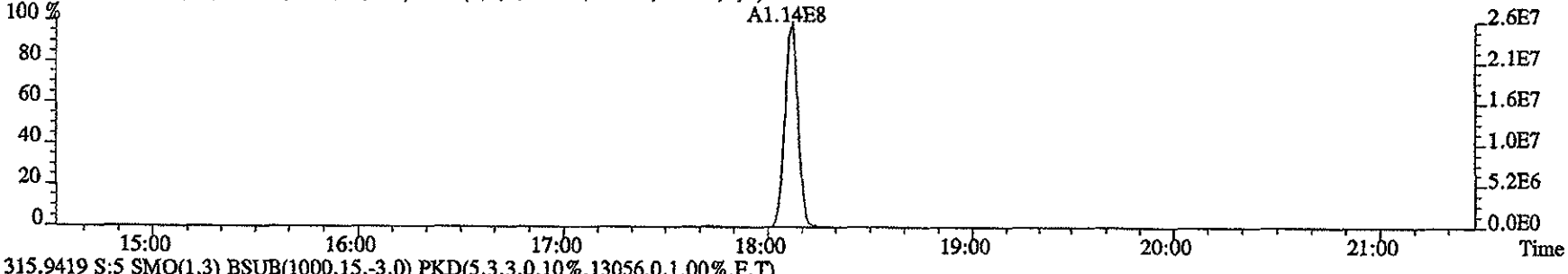
442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



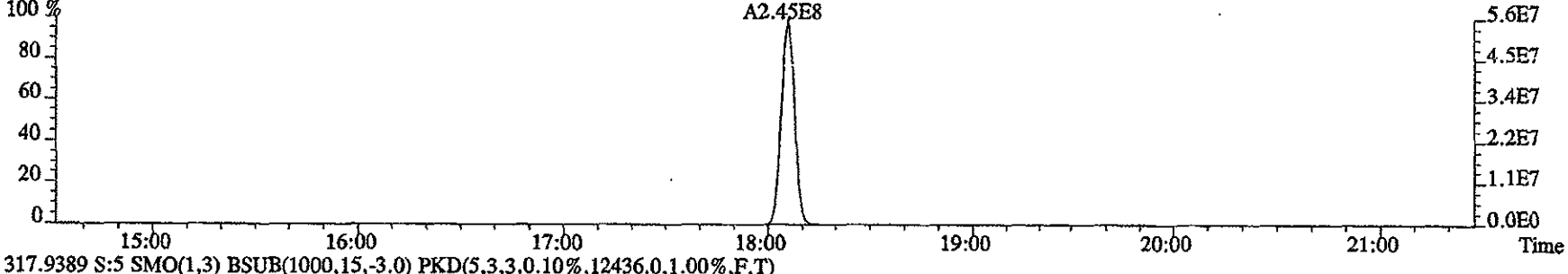
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)



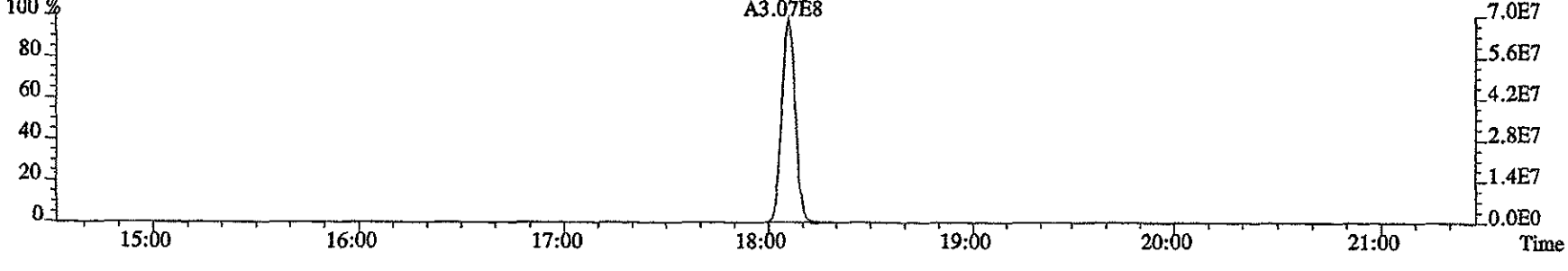
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7356.0,1.00%,F,T)



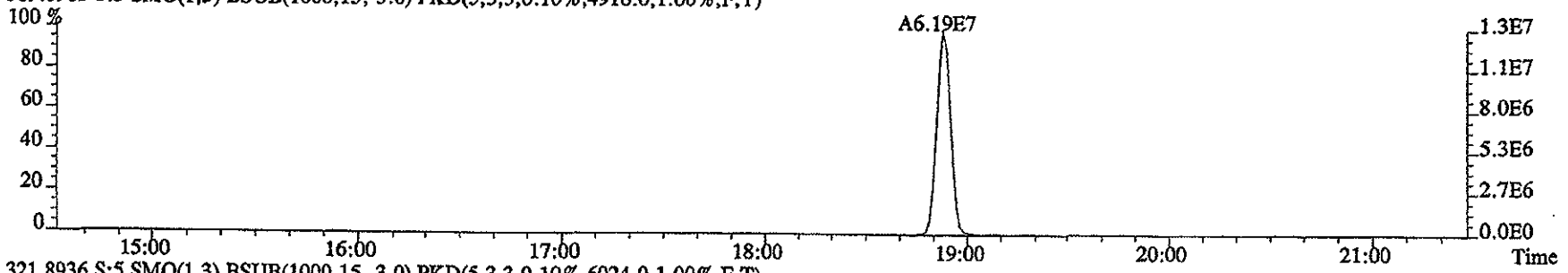
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13056.0,1.00%,F,T)



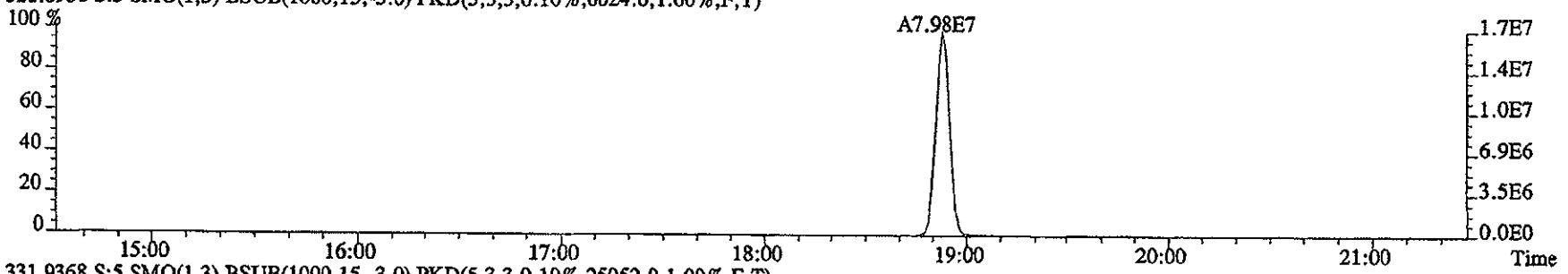
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12436.0,1.00%,F,T)



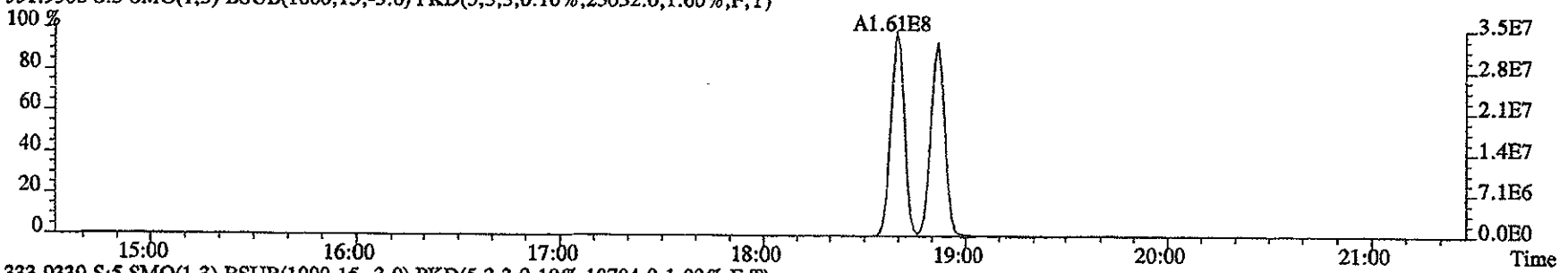
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4916.0,1.00%,F,T)



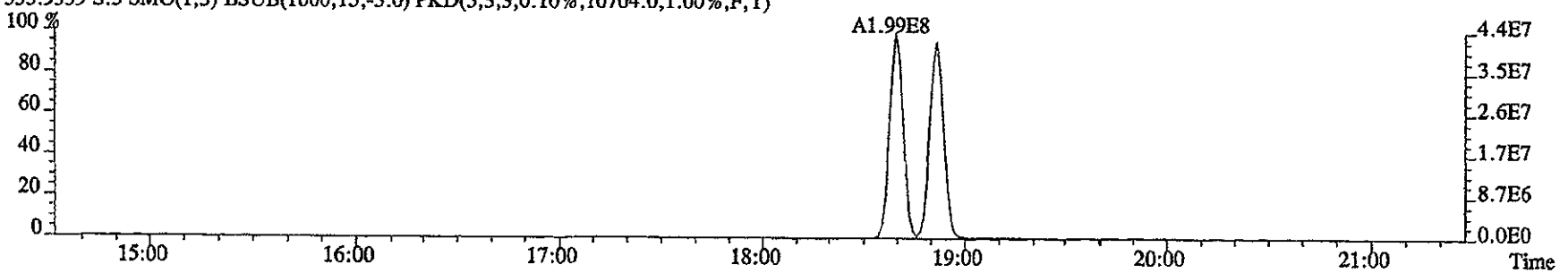
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)



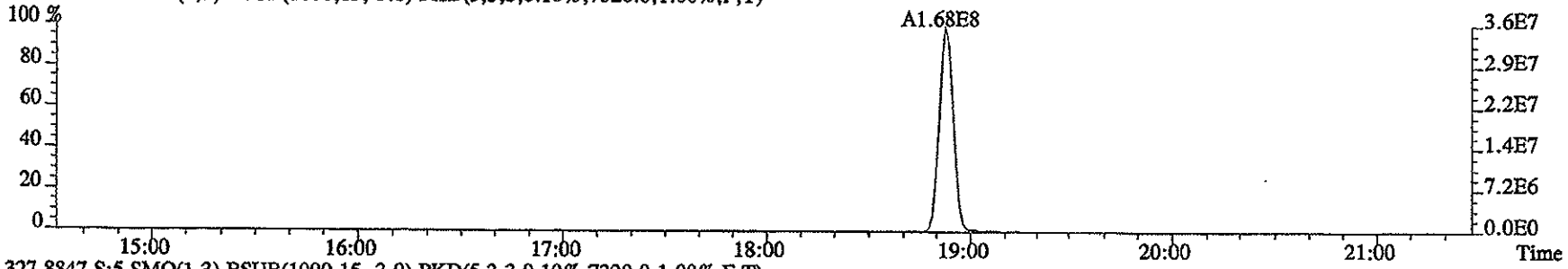
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)



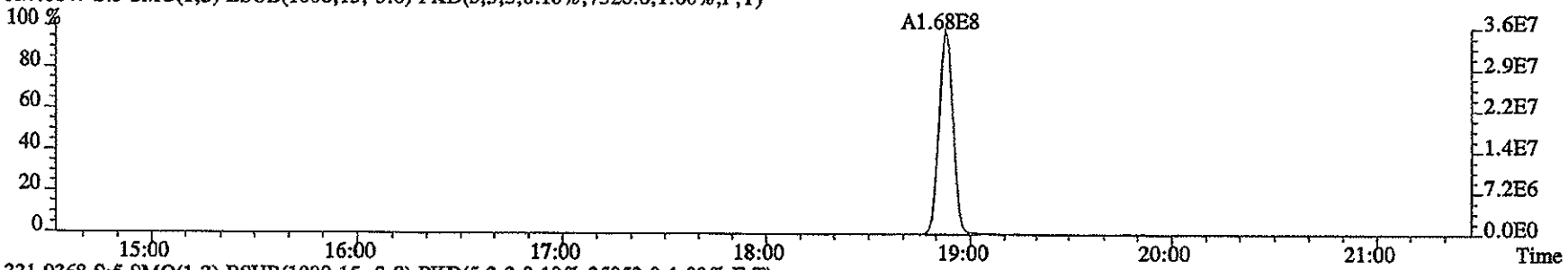
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)



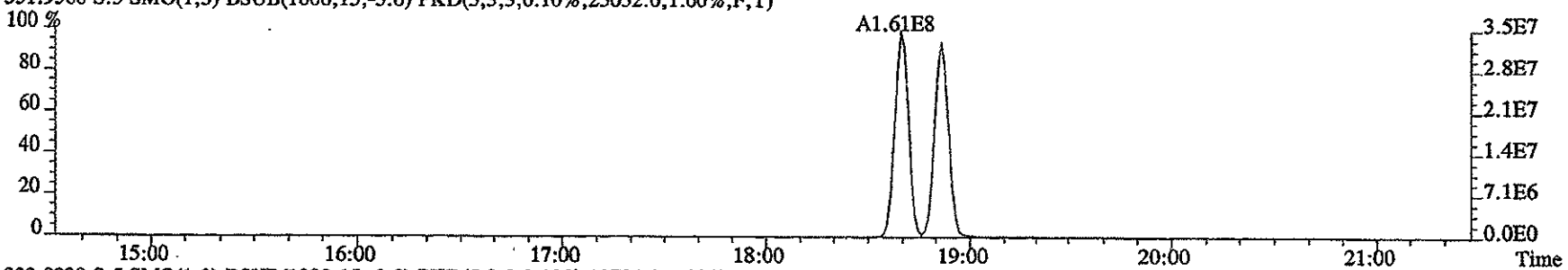
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)



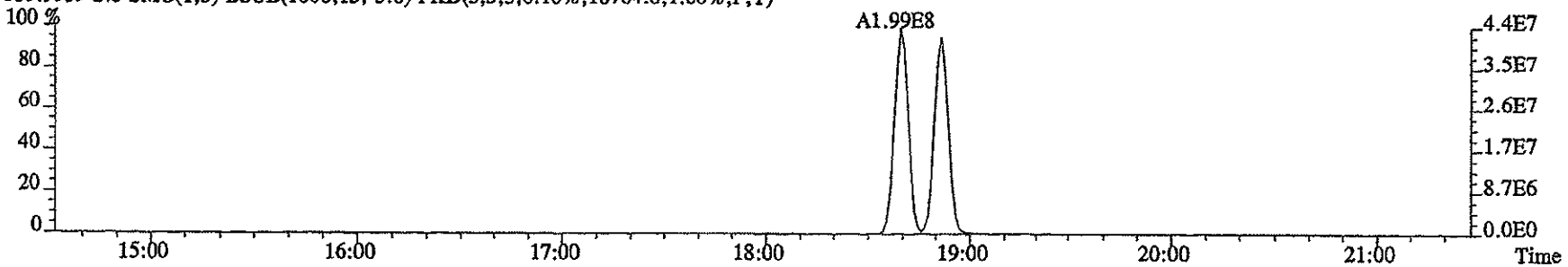
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)



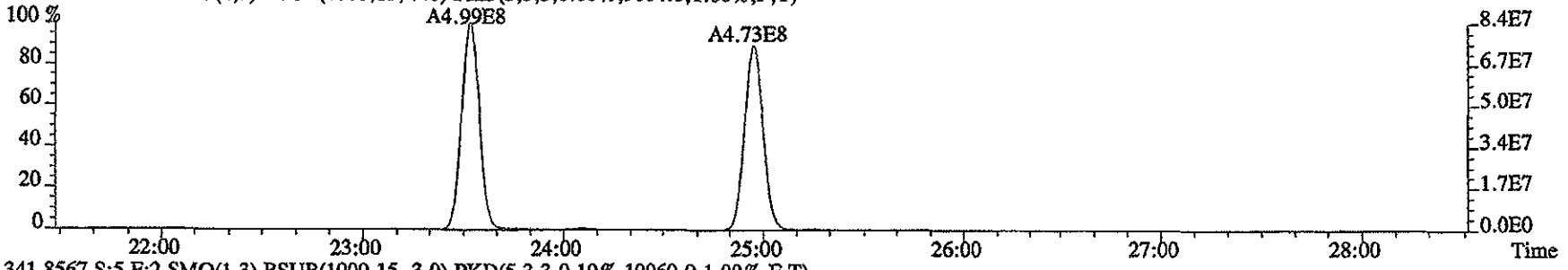
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)



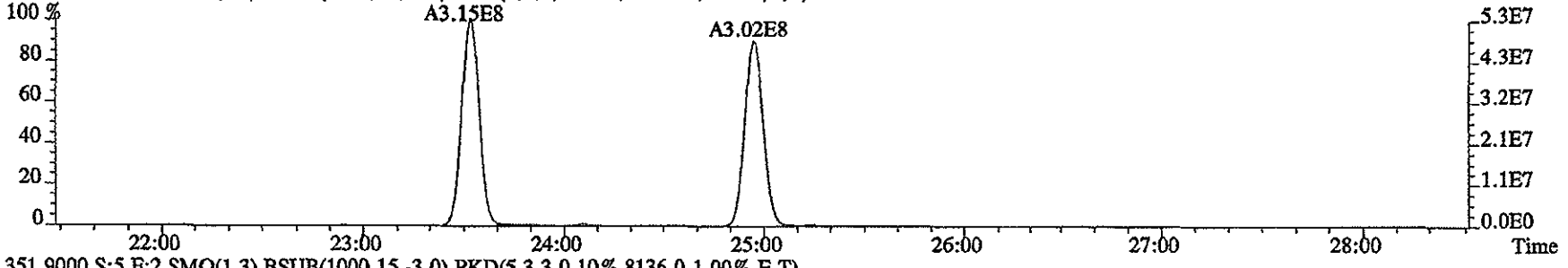
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)



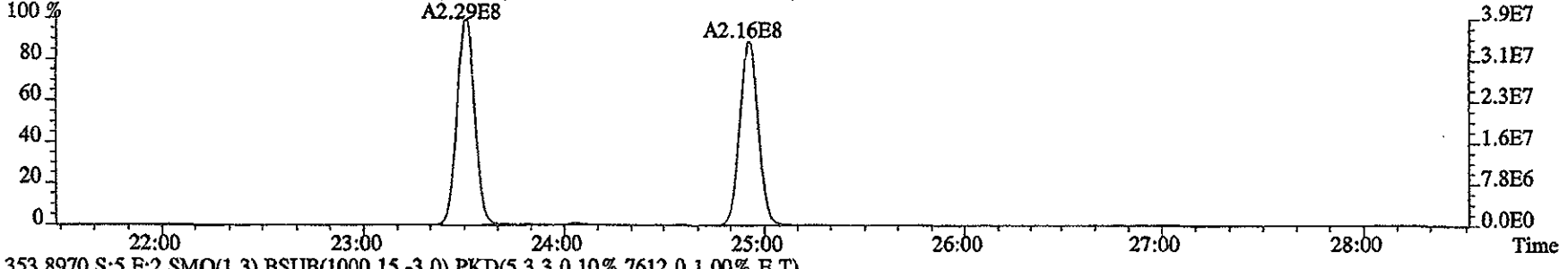
File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9004.0,1.00%,F,T)



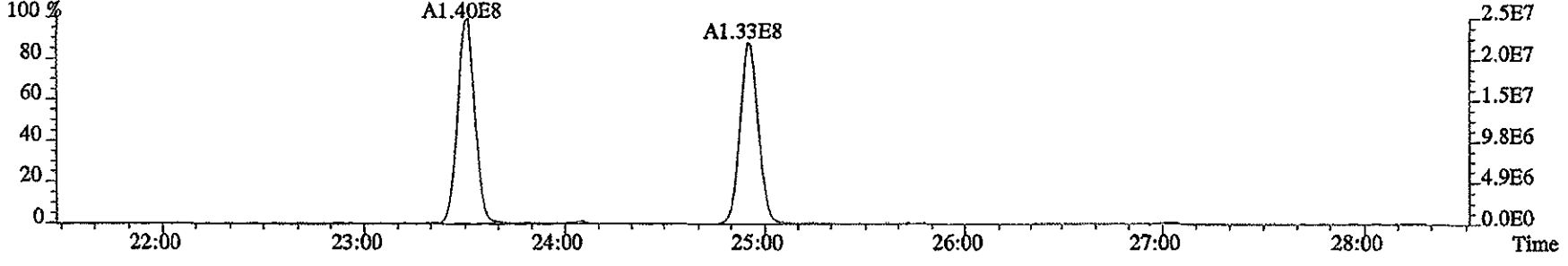
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10060.0,1.00%,F,T)



351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8136.0,1.00%,F,T)

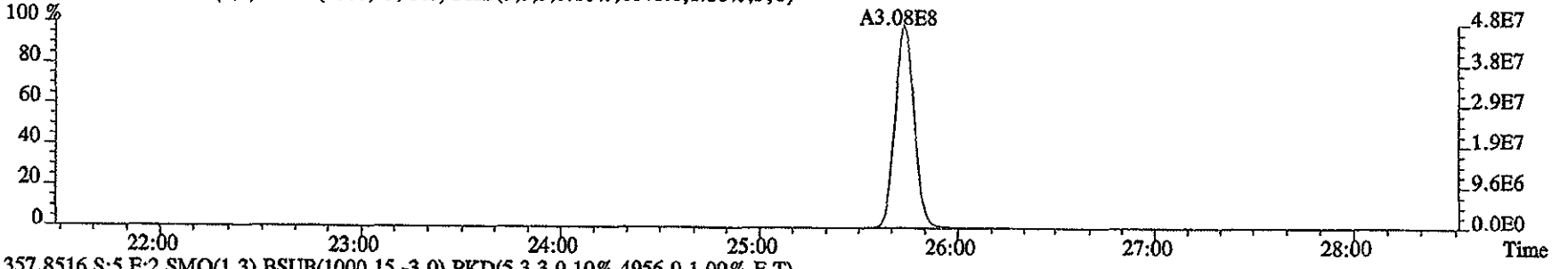


353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)

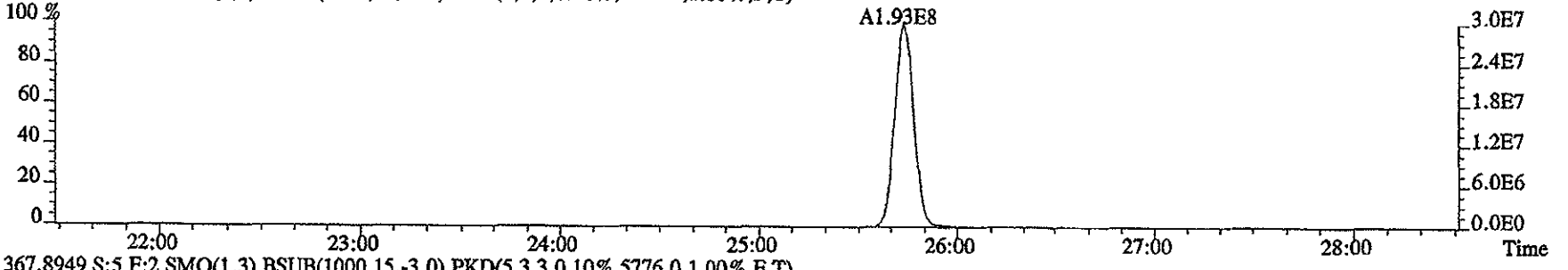


File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

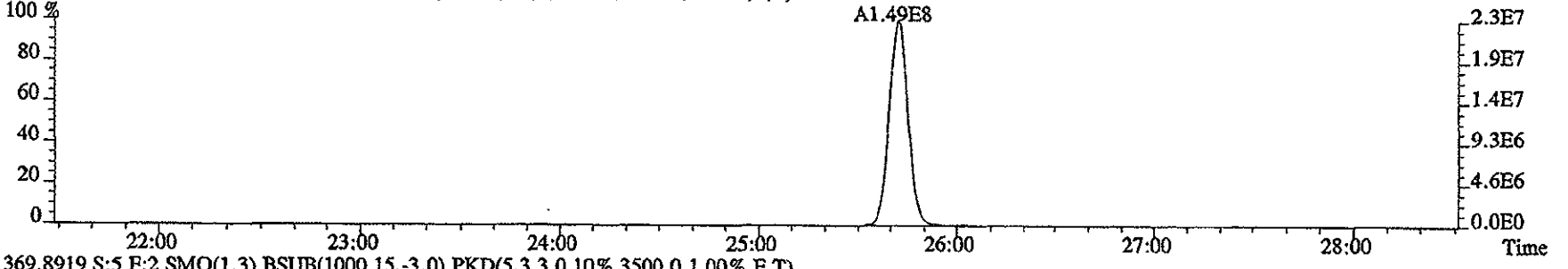
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6848.0,1.00%,F,T)



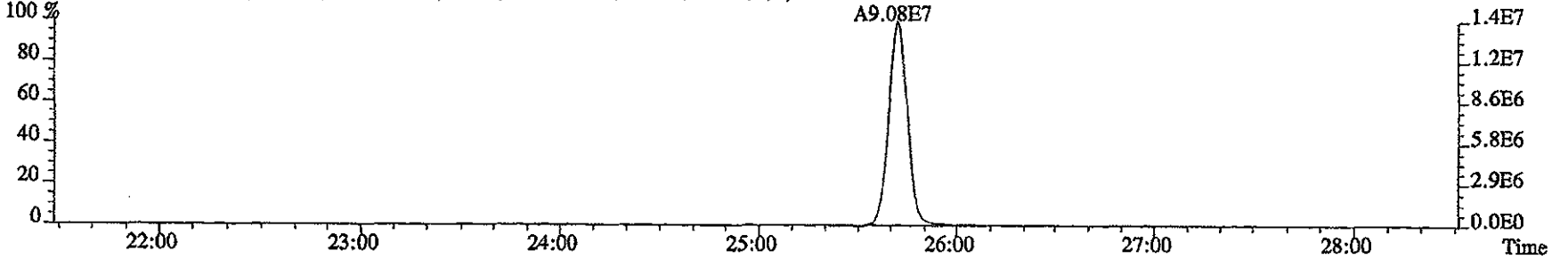
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5776.0,1.00%,F,T)

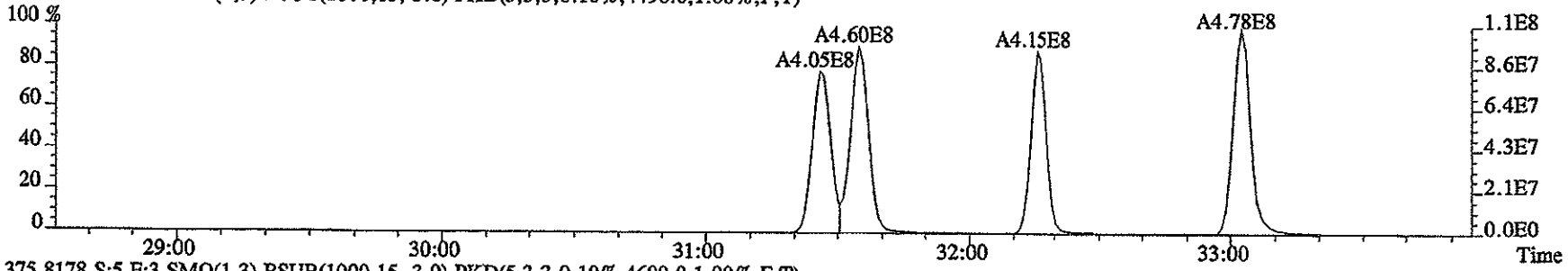


369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3500.0,1.00%,F,T)

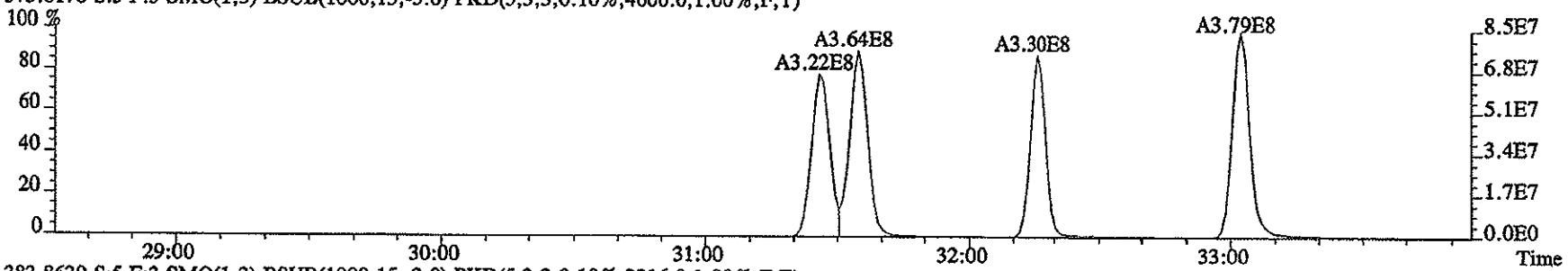


File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

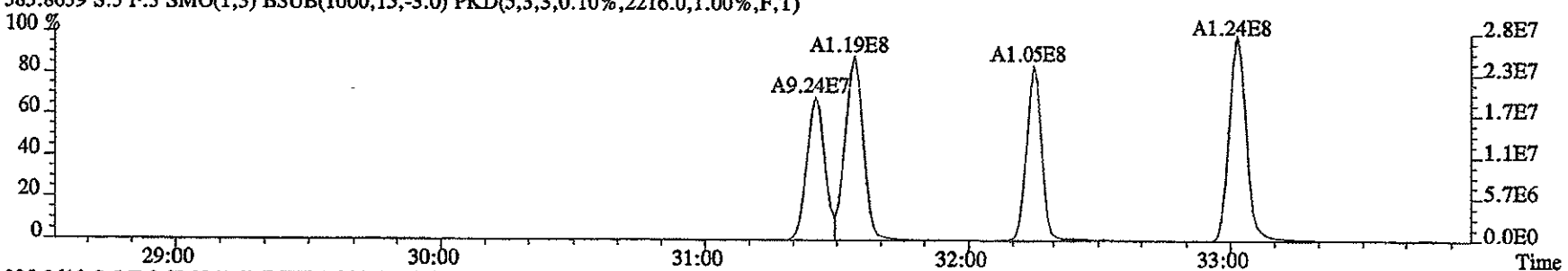
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



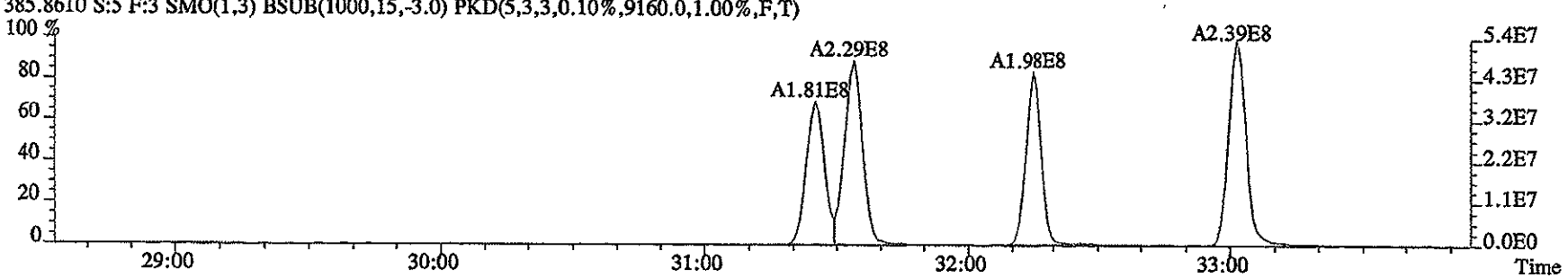
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



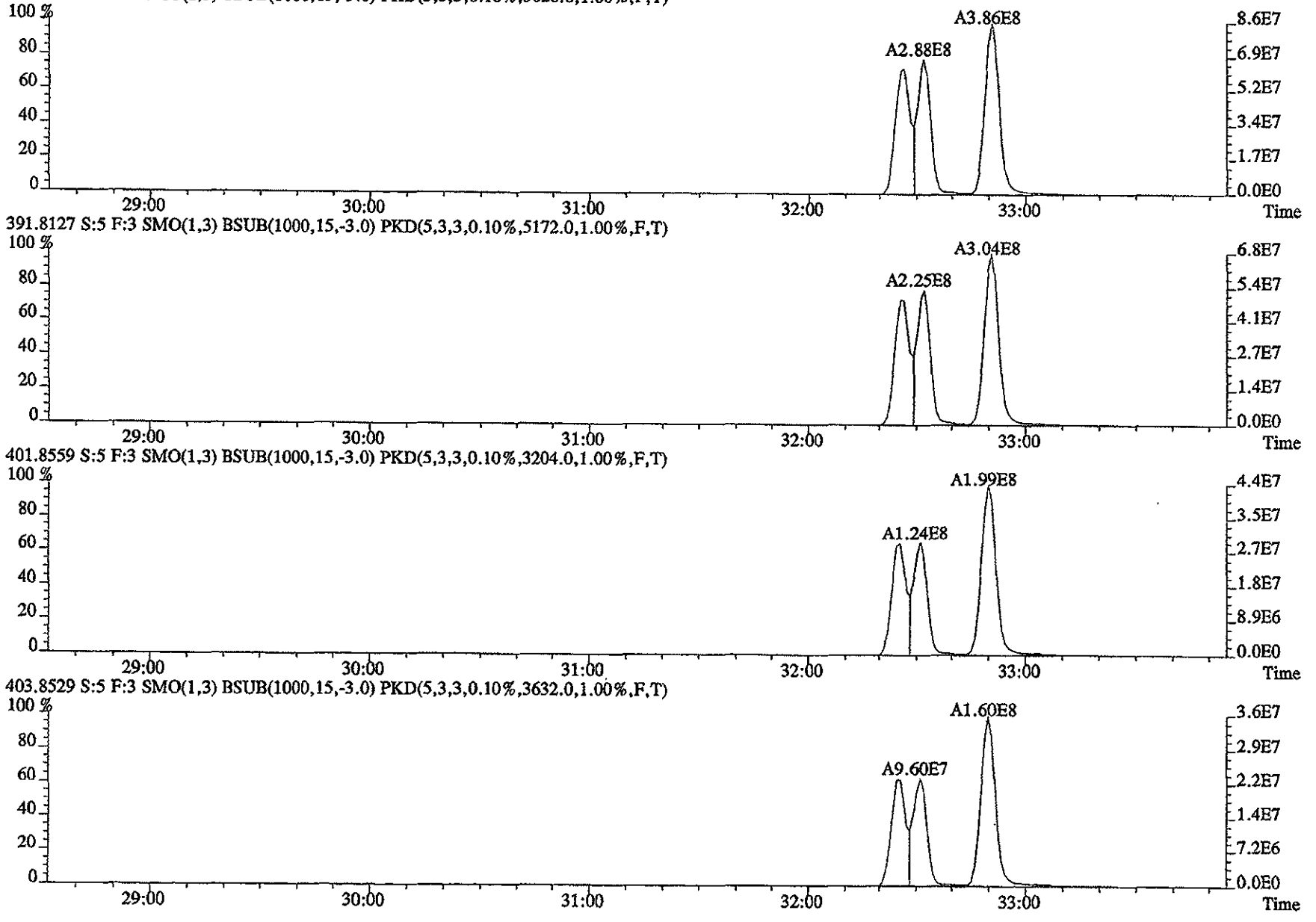
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



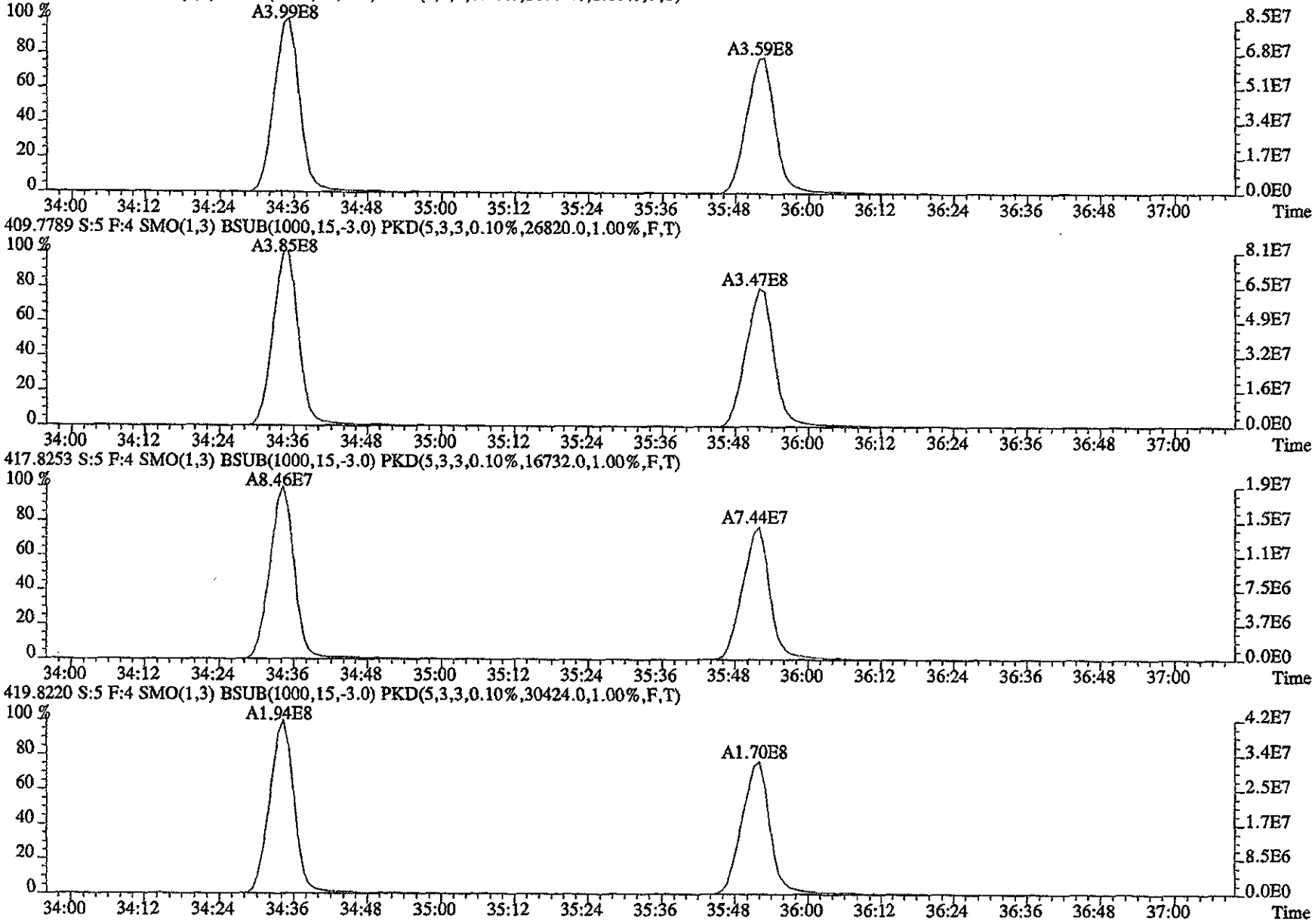
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9160.0,1.00%,F,T)



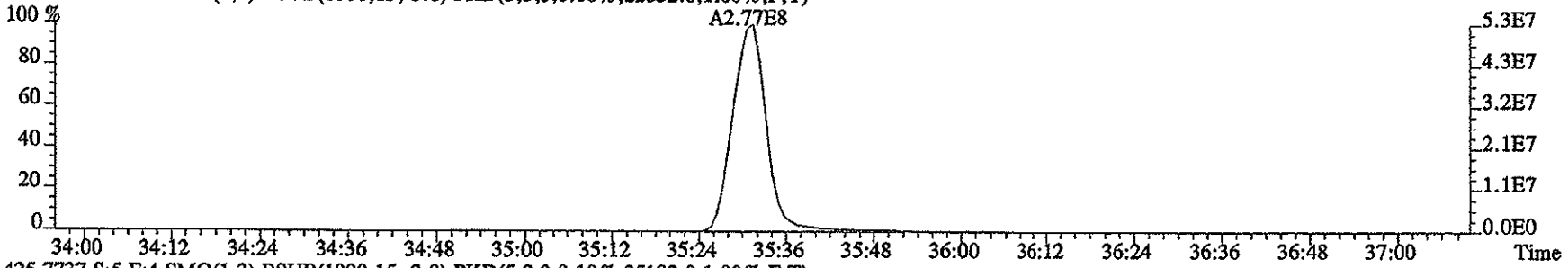
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN



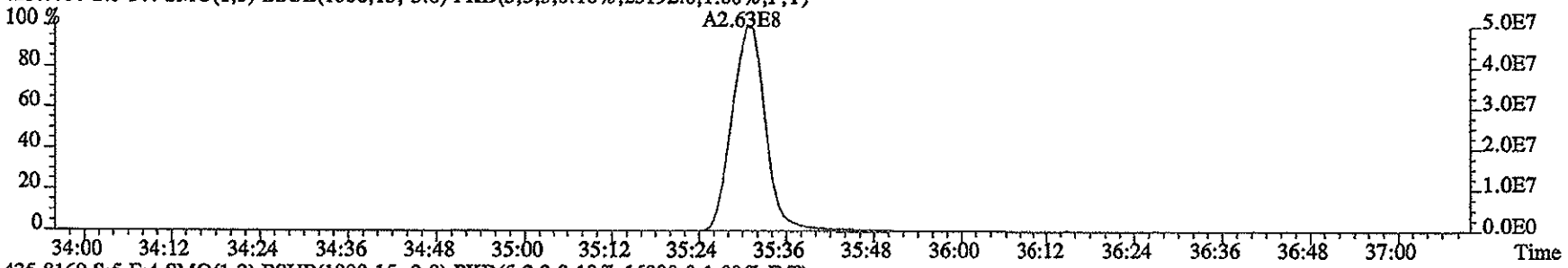
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN



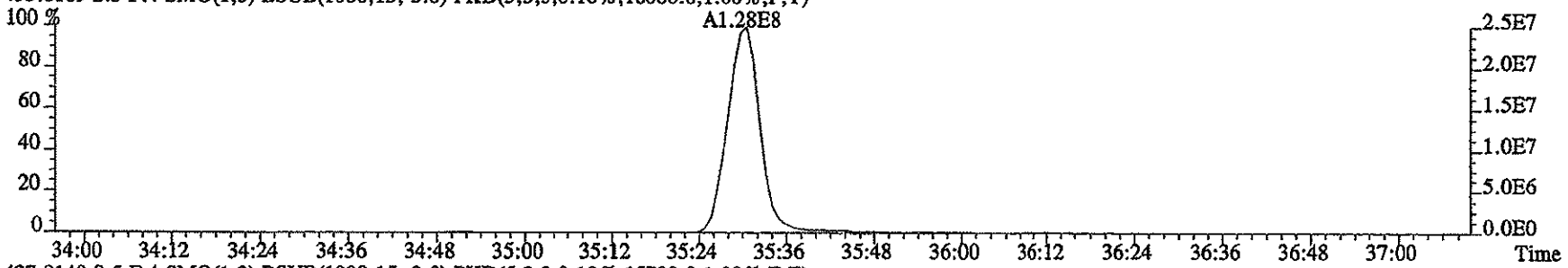
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22832.0,1.00%,F,T)



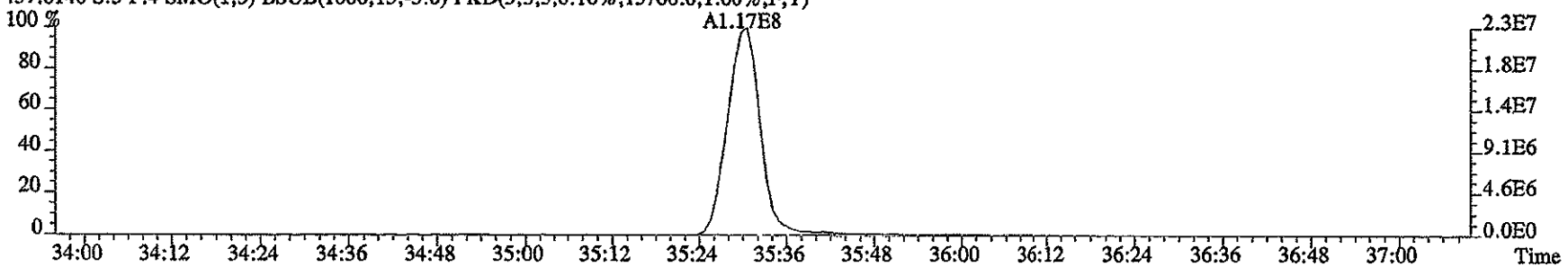
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25192.0,1.00%,F,T)



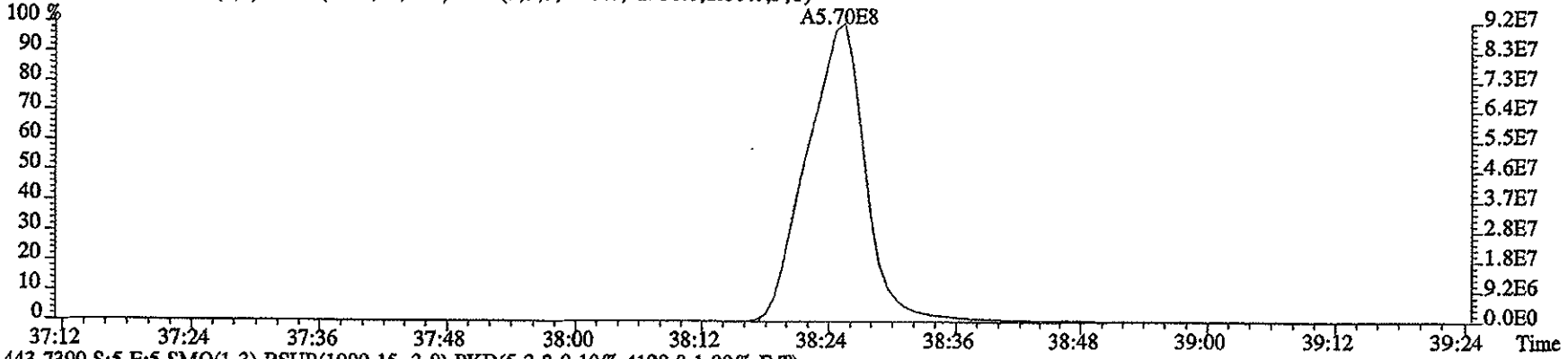
435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16000.0,1.00%,F,T)



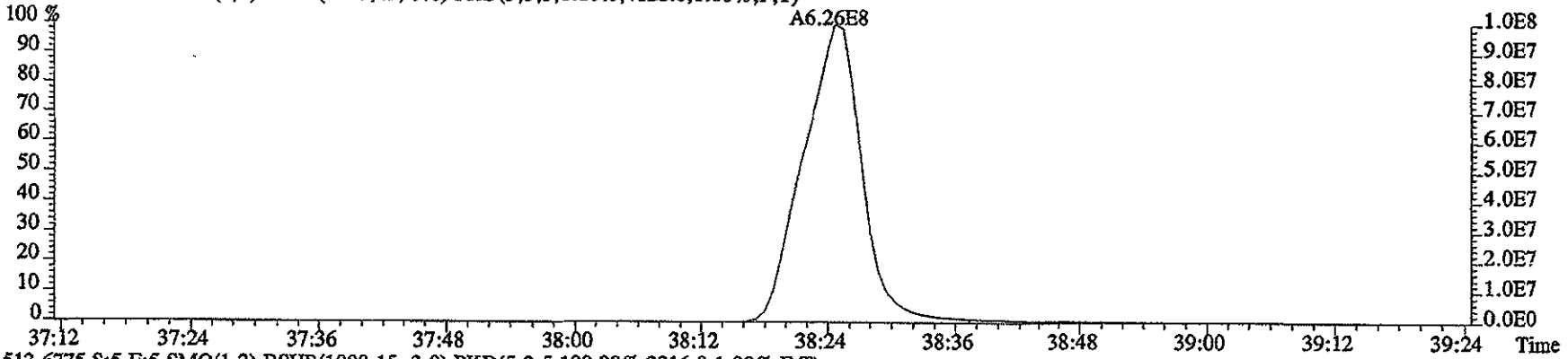
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15700.0,1.00%,F,T)



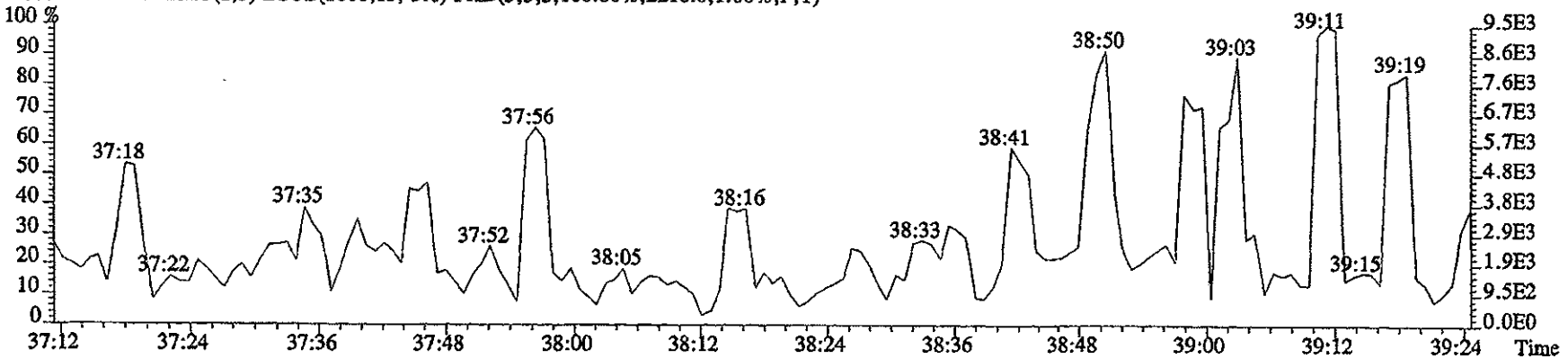
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32256.0,1.00%,F,T)



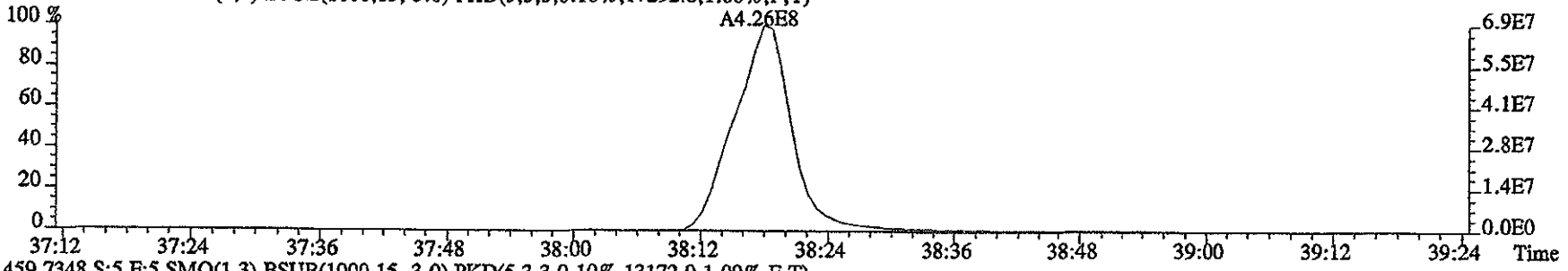
443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4128.0,1.00%,F,T)



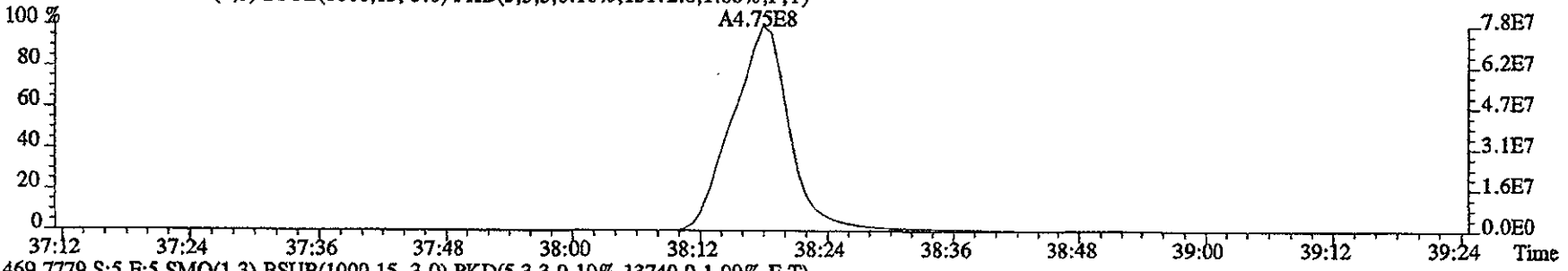
513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2216.0,1.00%,F,T)



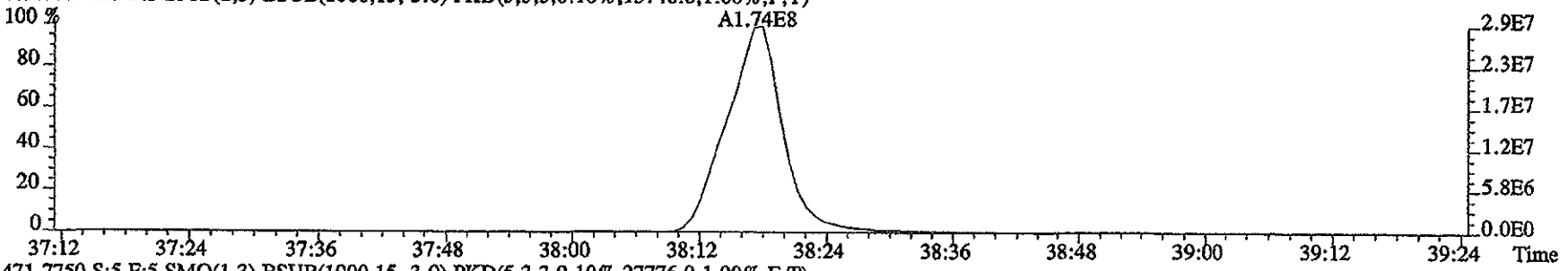
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17292.0,1.00%,F,T)



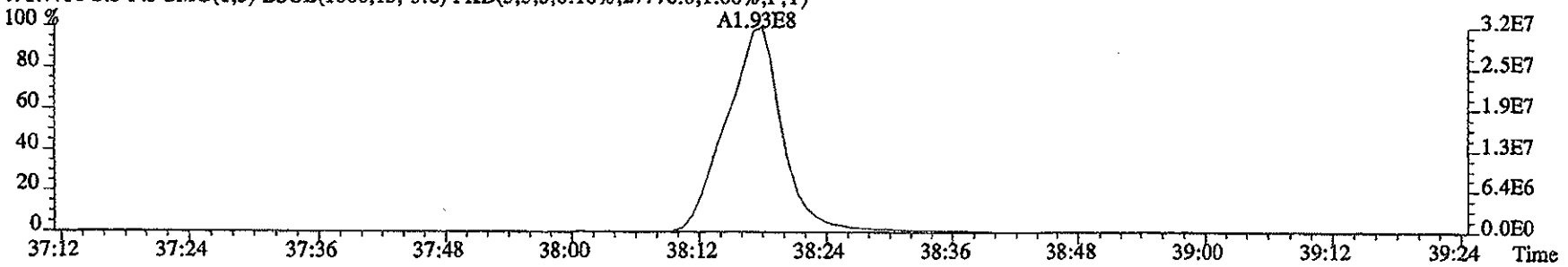
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13172.0,1.00%,F,T)

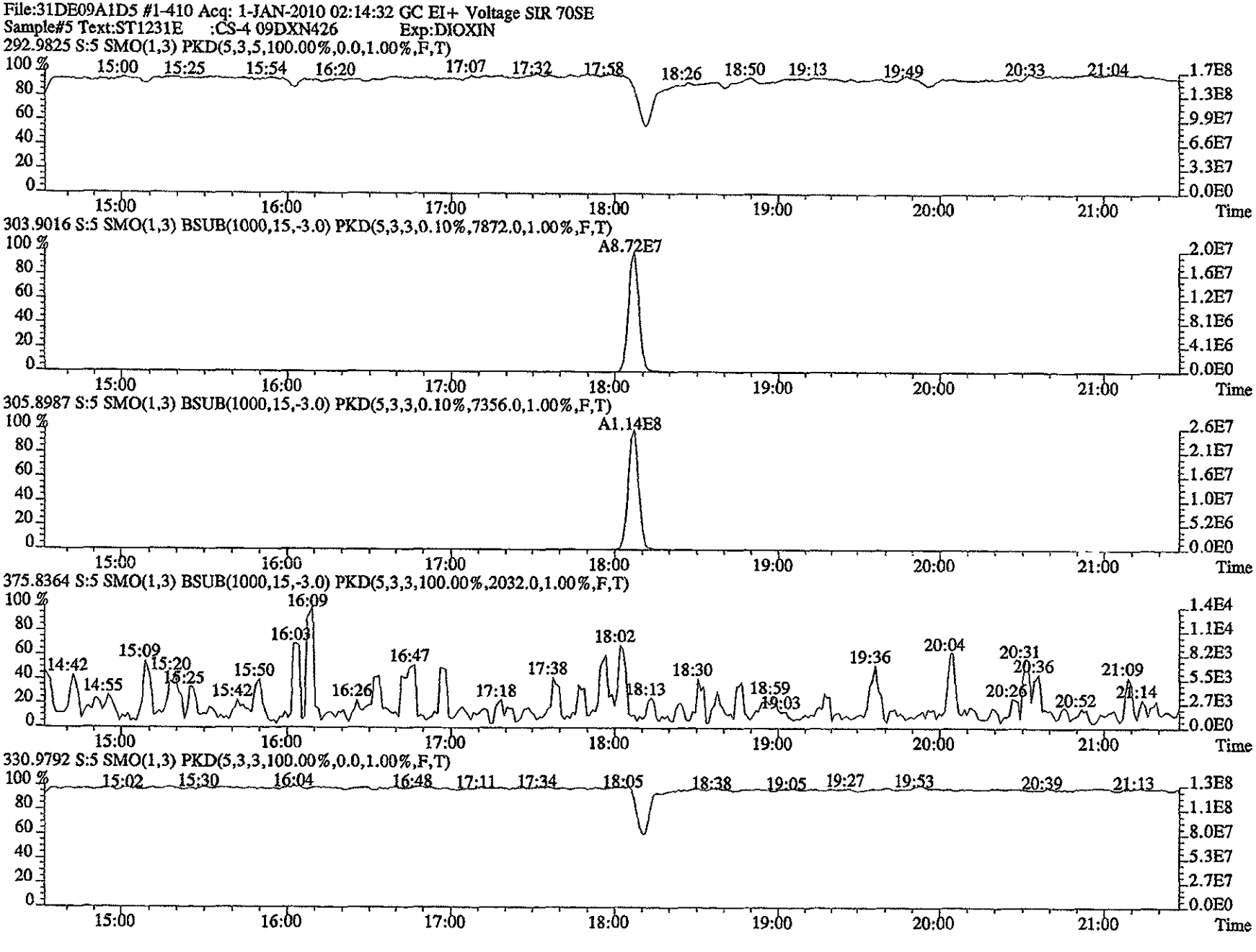


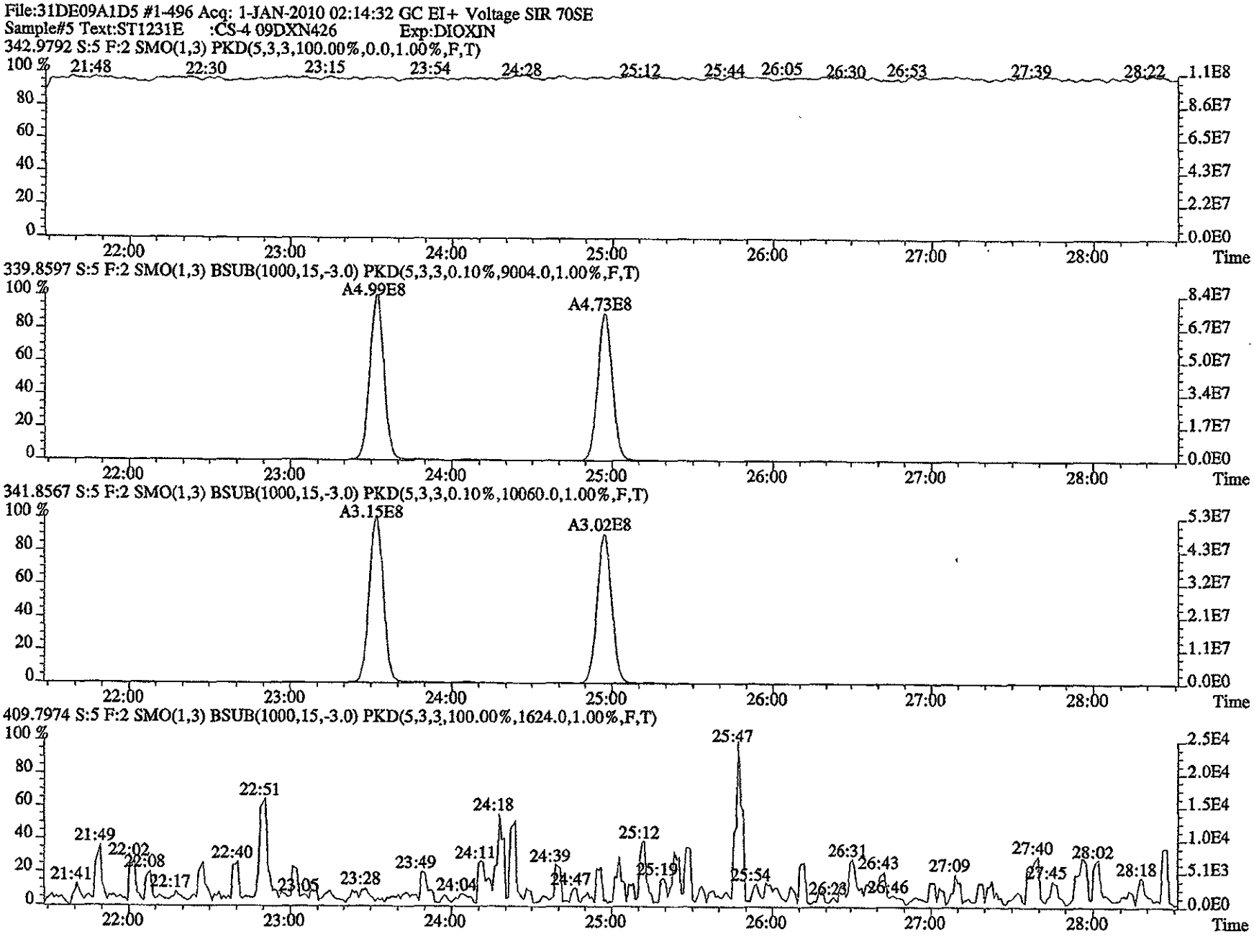
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13740.0,1.00%,F,T)



471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27776.0,1.00%,F,T)

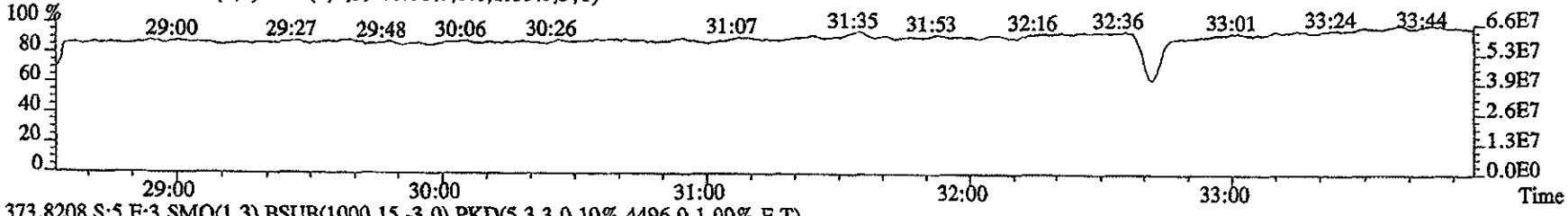




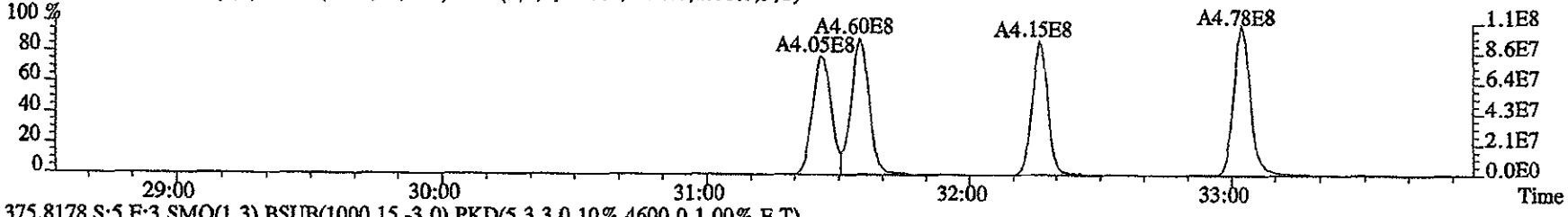


File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

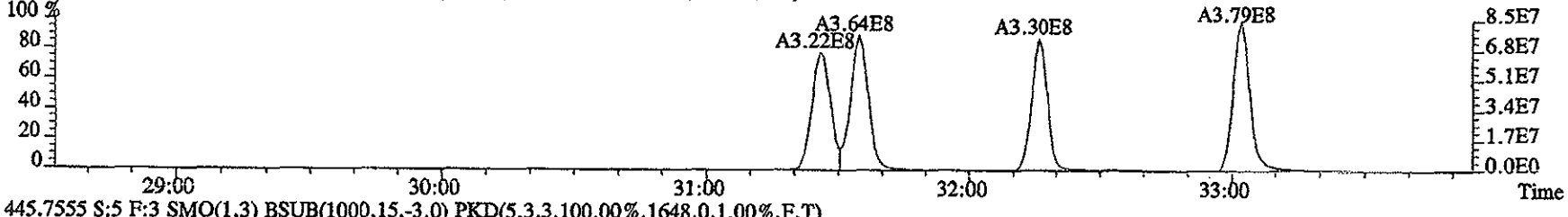
392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



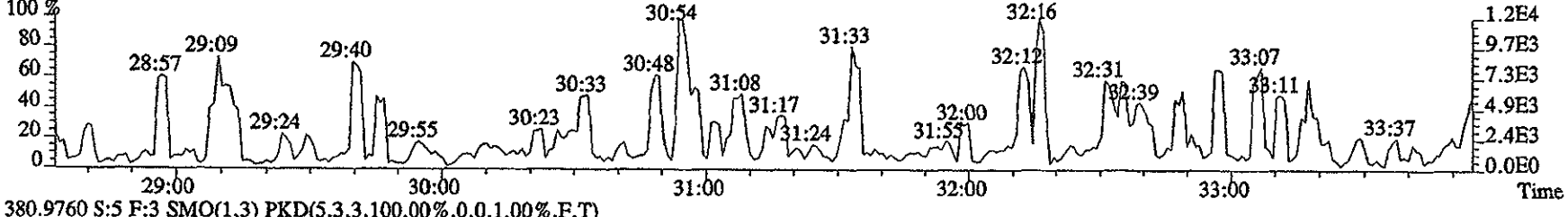
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



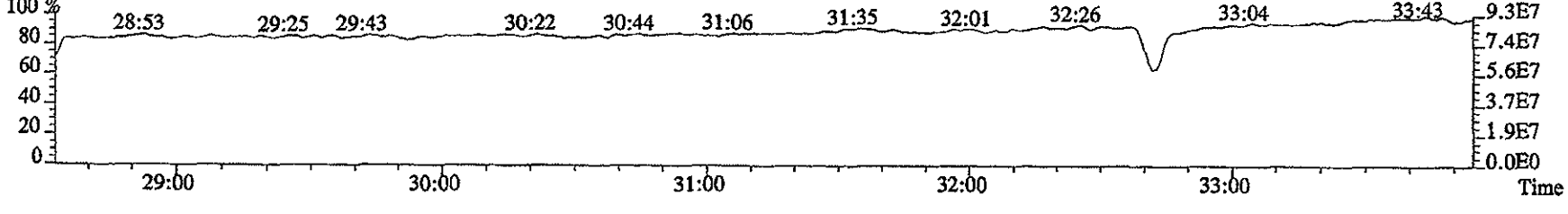
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



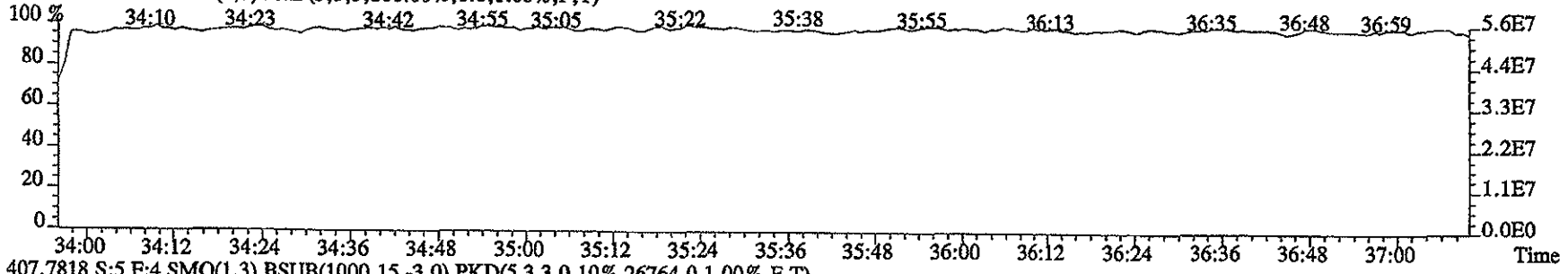
445.7555 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1648.0,1.00%,F,T)



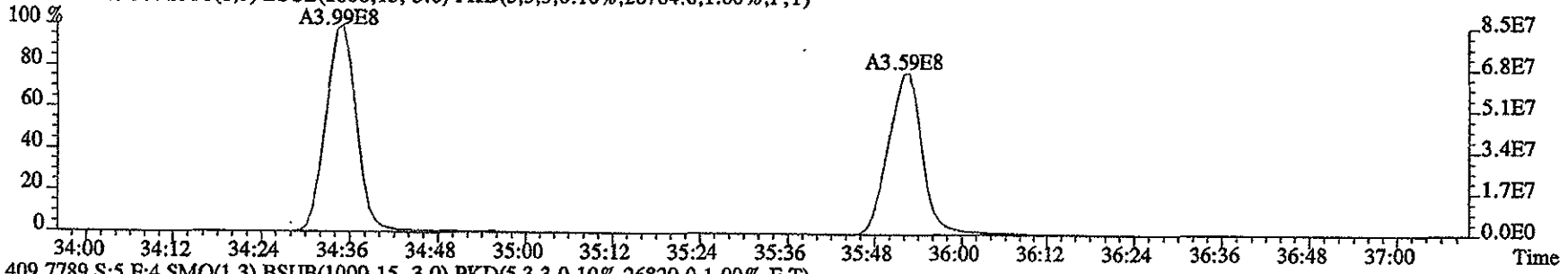
380.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



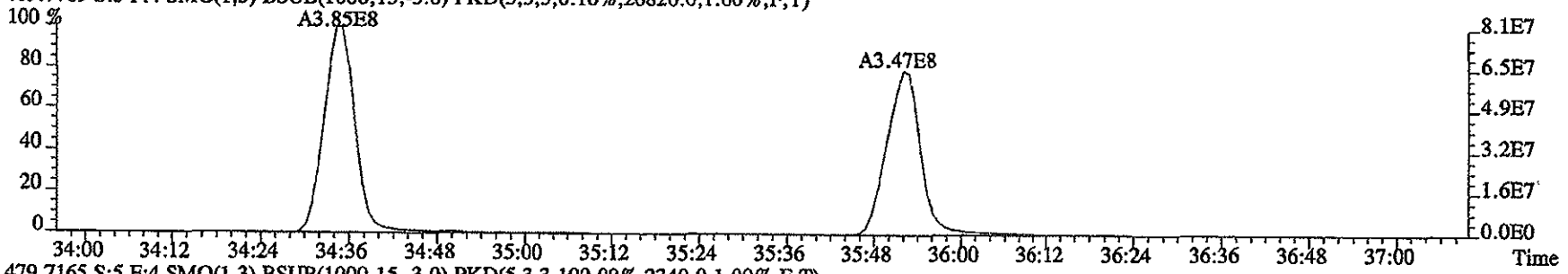
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



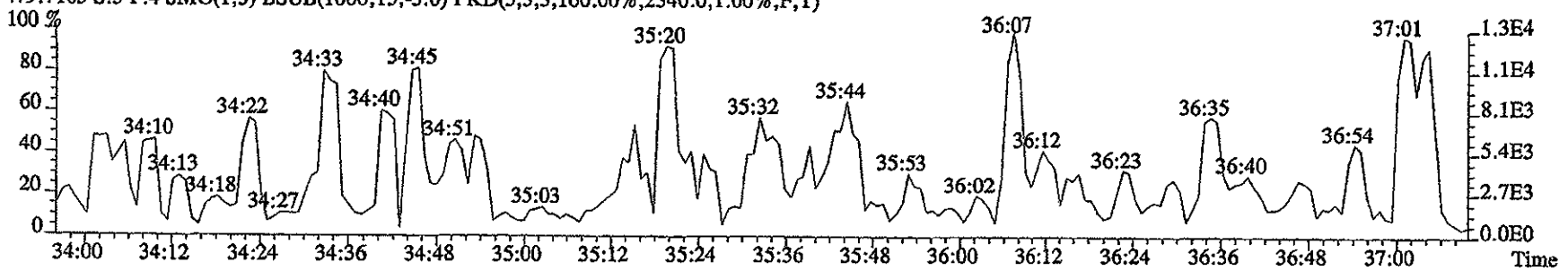
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26764.0,1.00%,F,T)



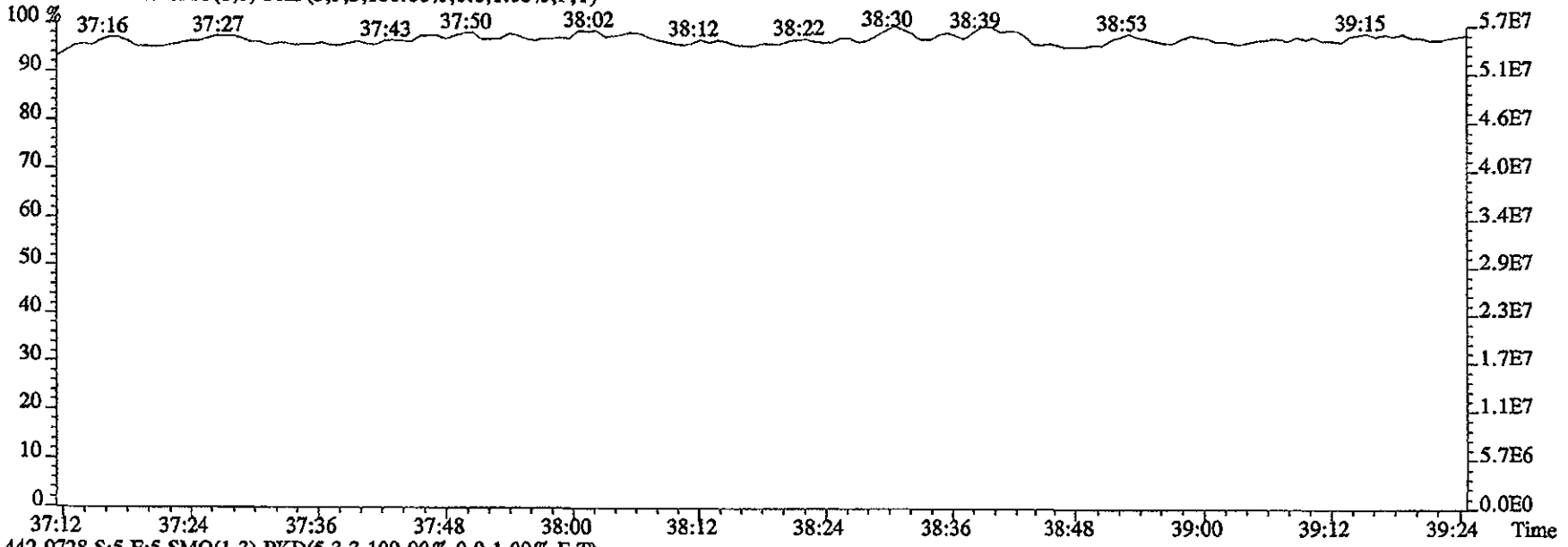
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26820.0,1.00%,F,T)



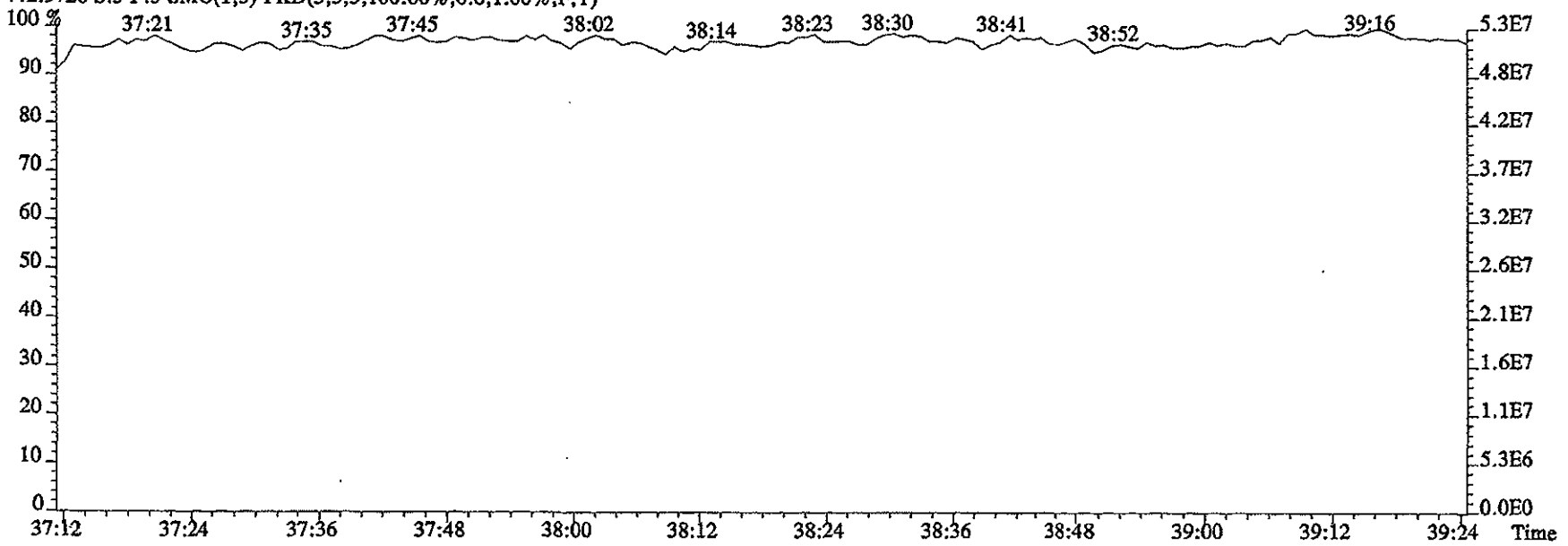
479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2340.0,1.00%,F,T)



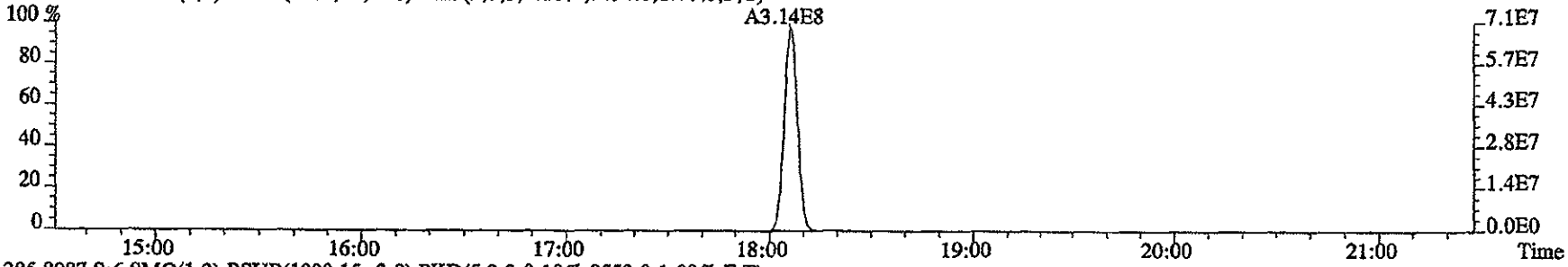
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



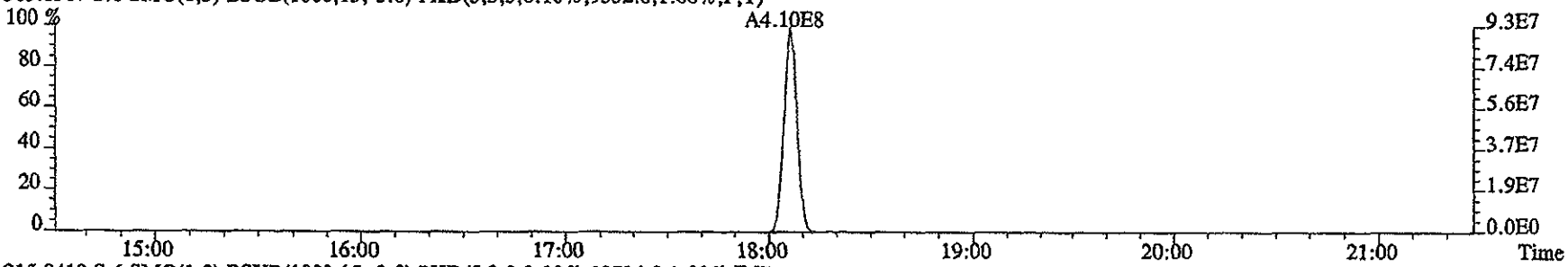
442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



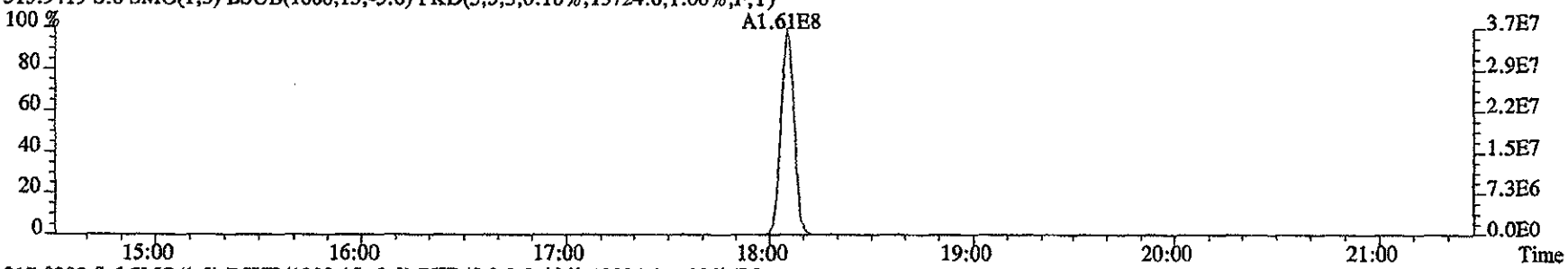
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9492.0,1.00%,F,T)



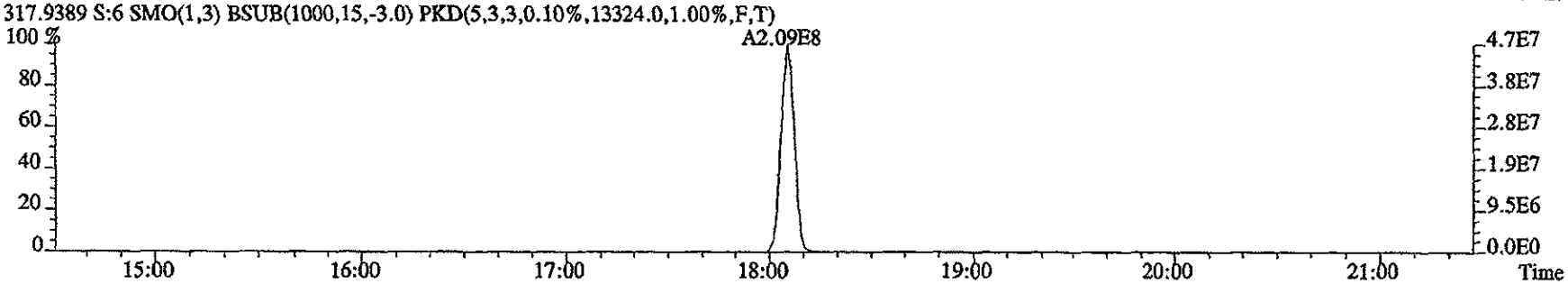
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9552.0,1.00%,F,T)



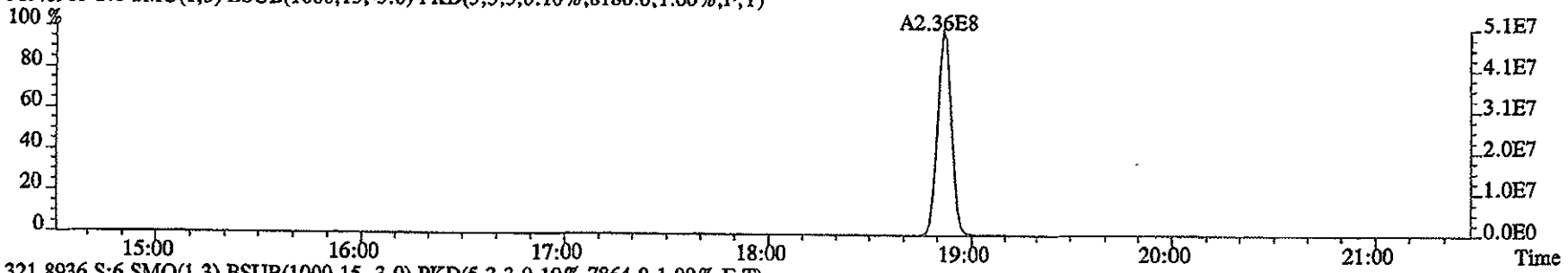
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13724.0,1.00%,F,T)



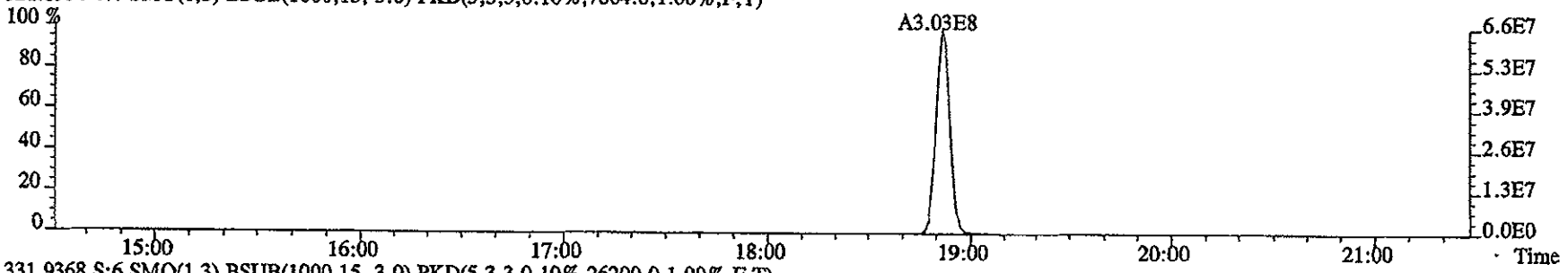
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13324.0,1.00%,F,T)



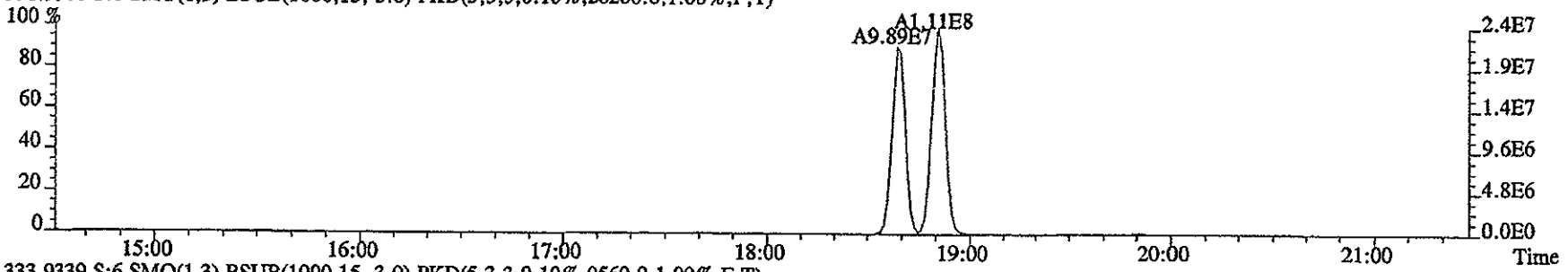
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8180.0,1.00%,F,T)



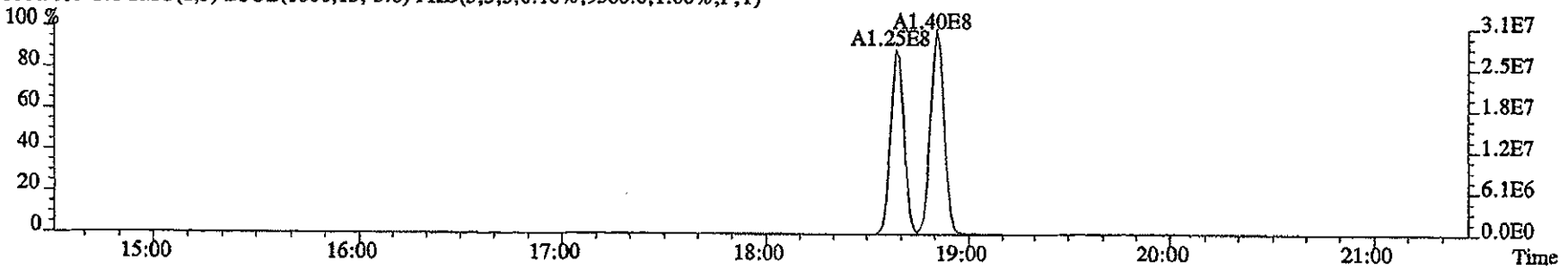
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7864.0,1.00%,F,T)



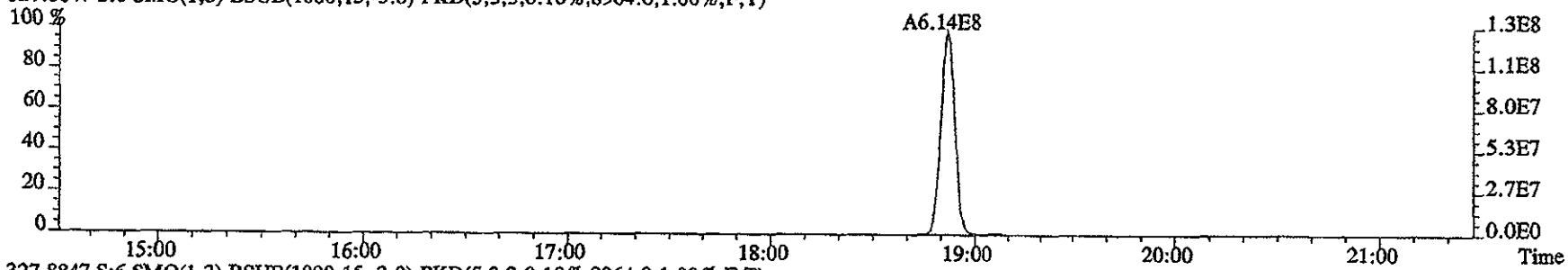
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26200.0,1.00%,F,T)



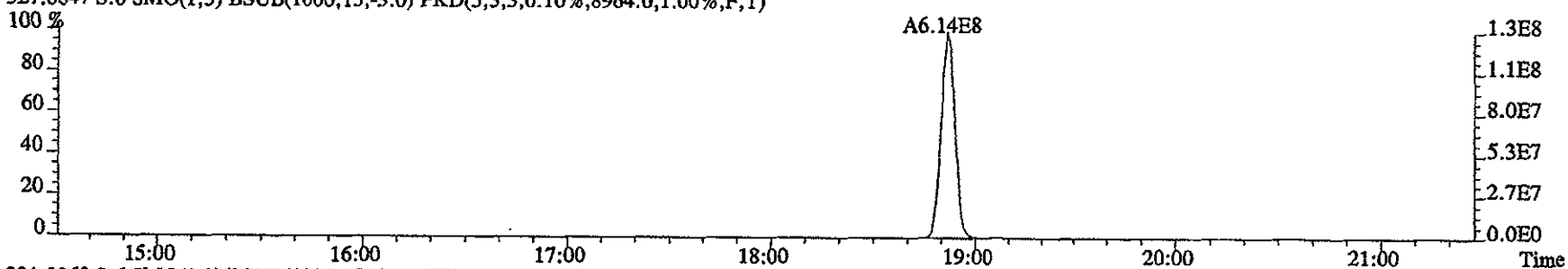
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



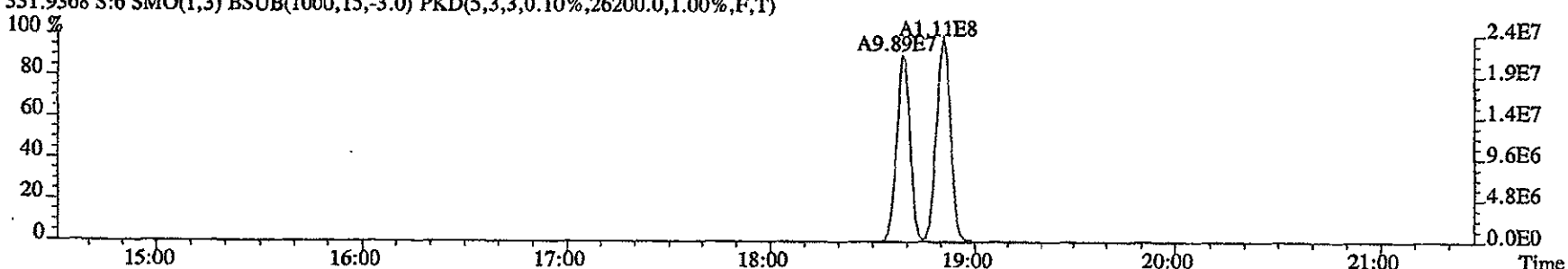
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8964.0,1.00%,F,T)



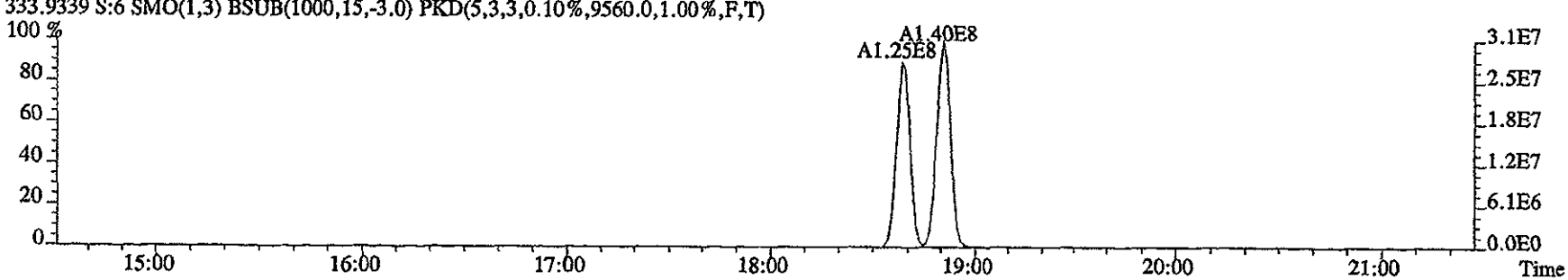
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8964.0,1.00%,F,T)



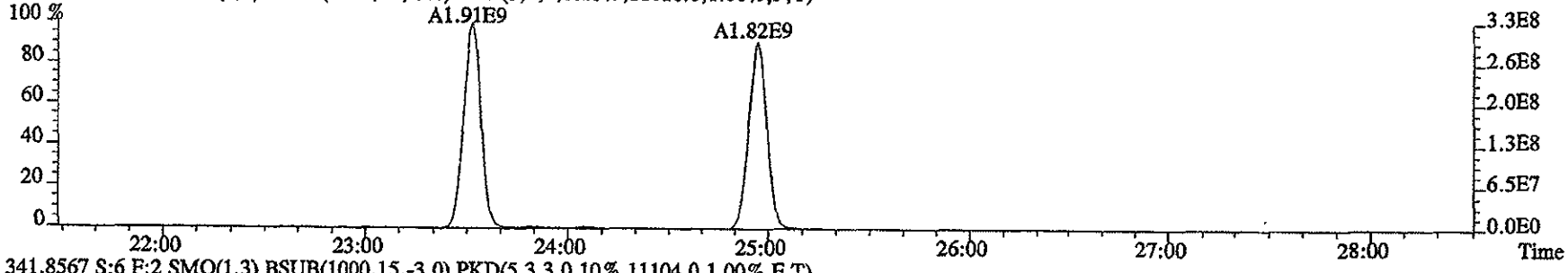
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26200.0,1.00%,F,T)



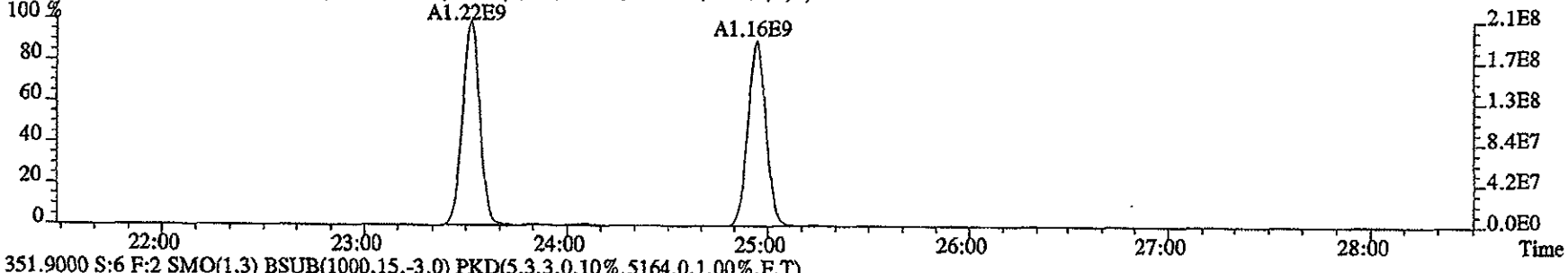
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)



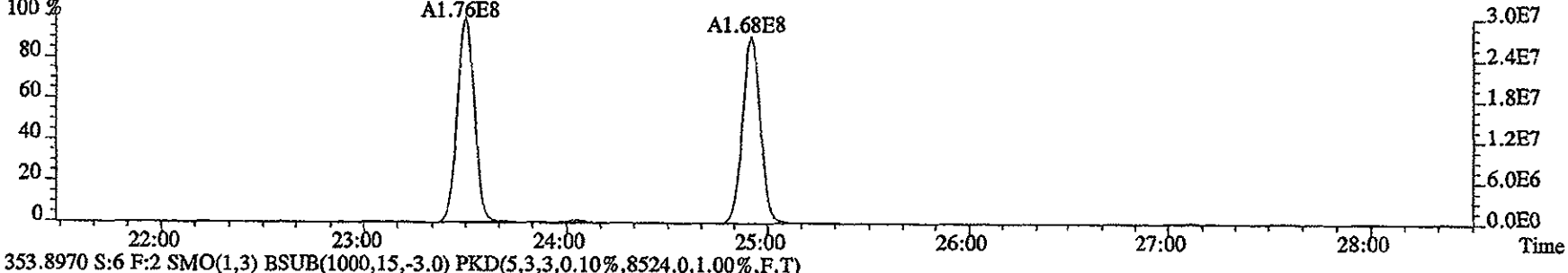
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21616.0,1.00%,F,T)



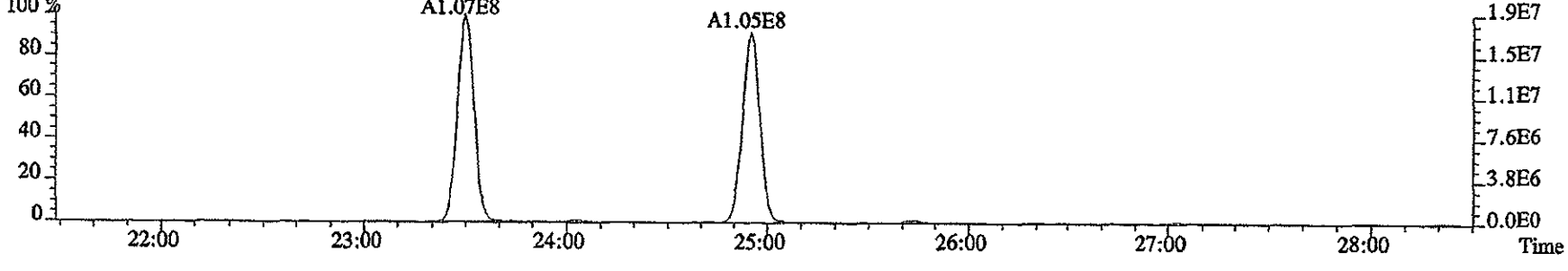
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)



351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5164.0,1.00%,F,T)

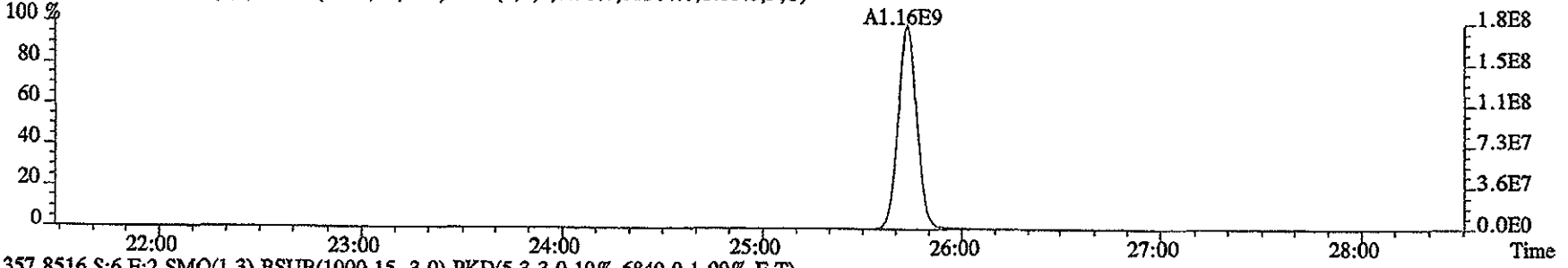


353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8524.0,1.00%,F,T)

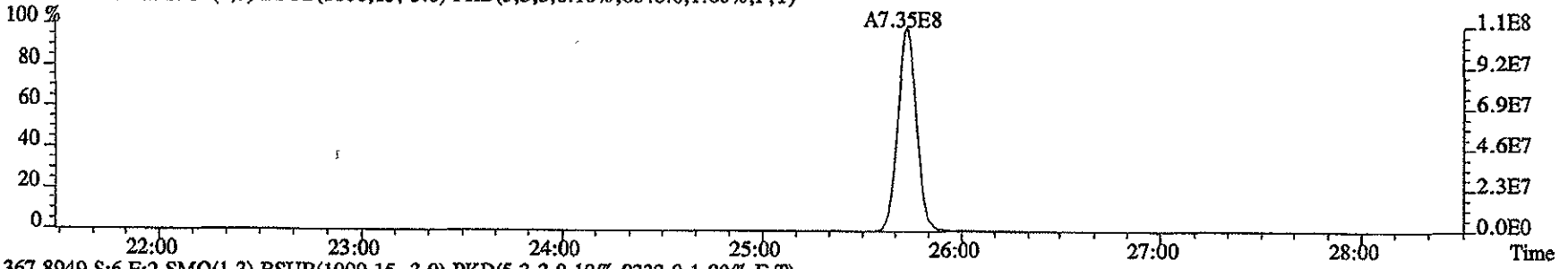


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

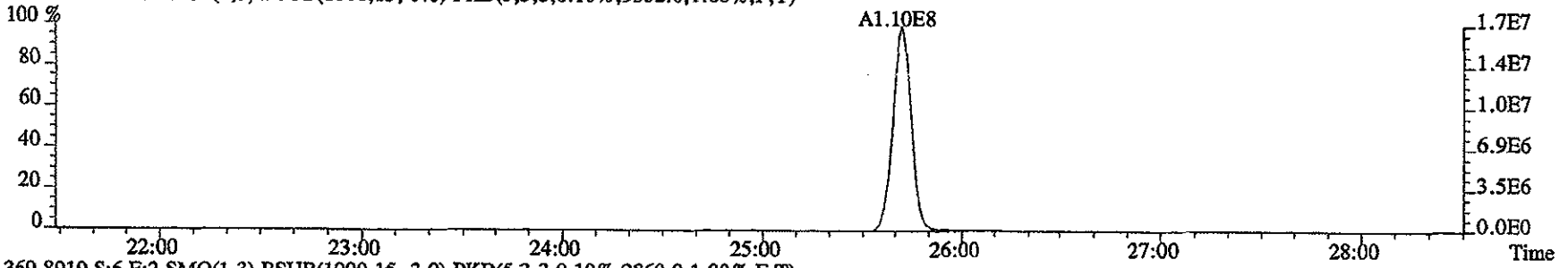
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11264.0,1.00%,F,T)



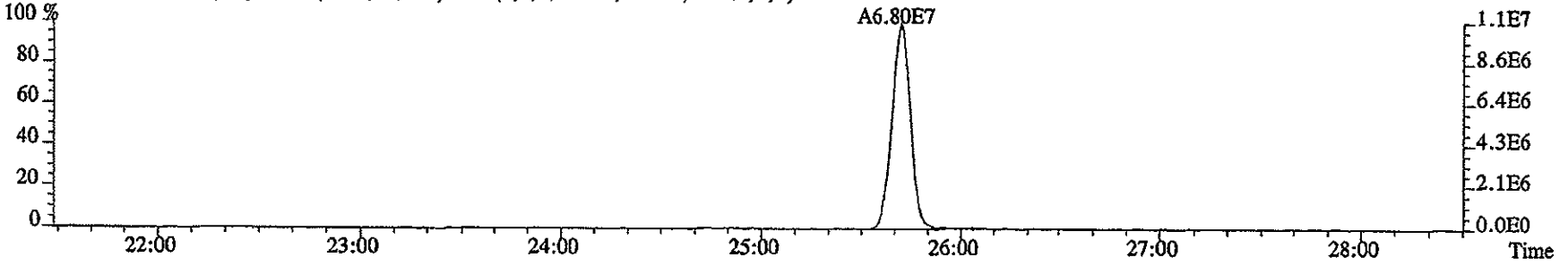
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6840.0,1.00%,F,T)



367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)

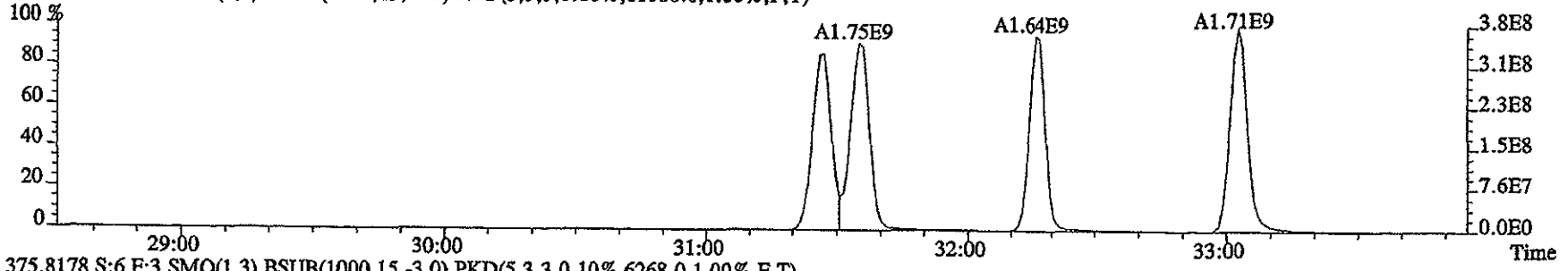


369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2860.0,1.00%,F,T)

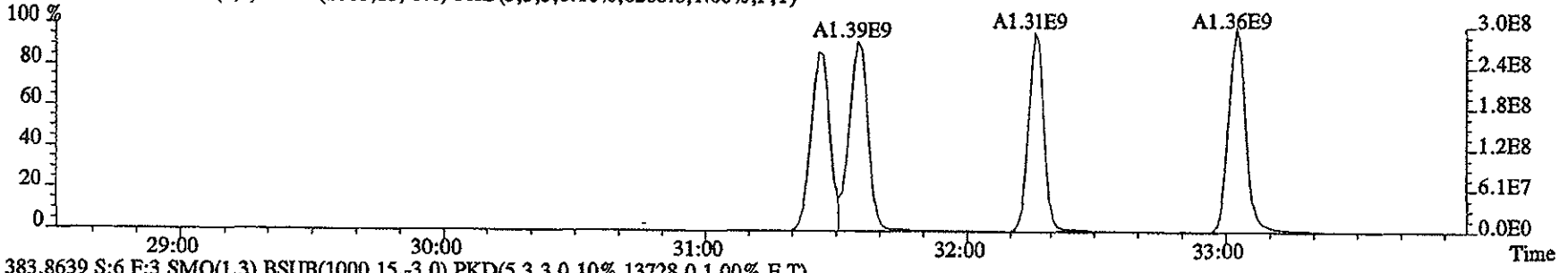


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

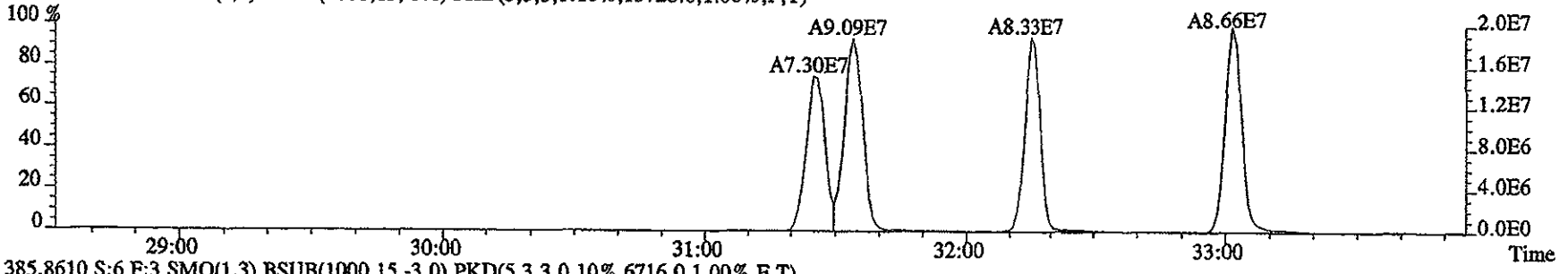
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080.0,1.00%,F,T)



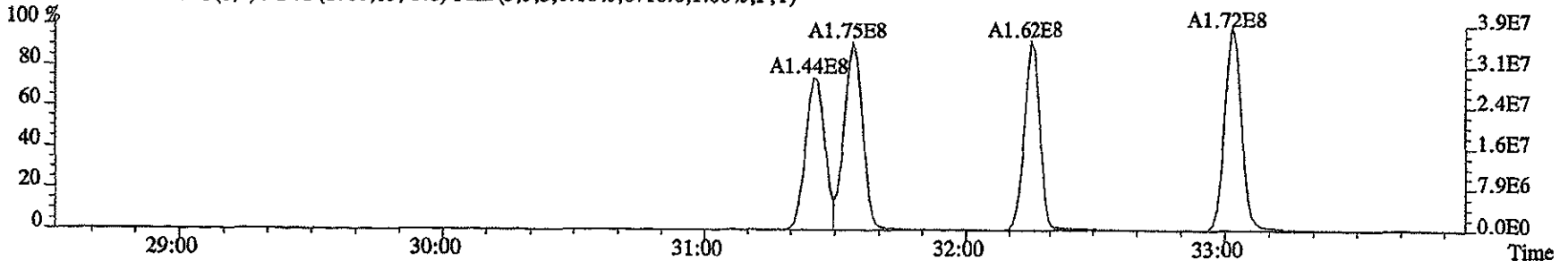
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



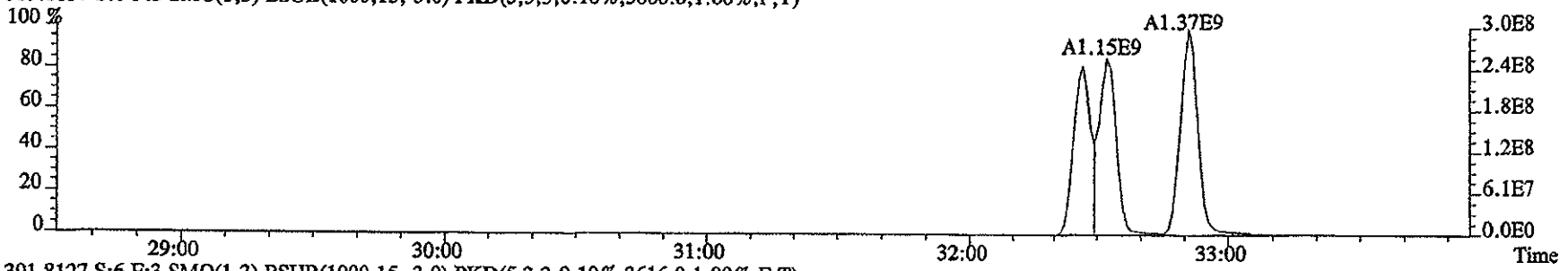
383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13728.0,1.00%,F,T)



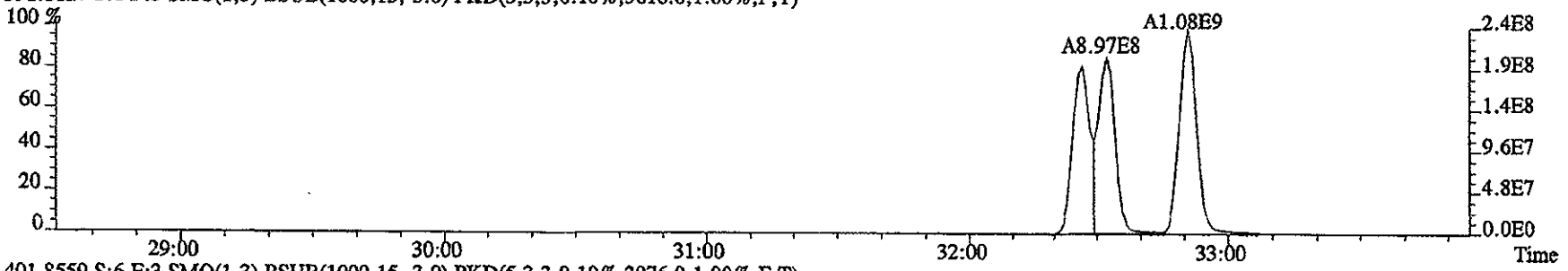
385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6716.0,1.00%,F,T)



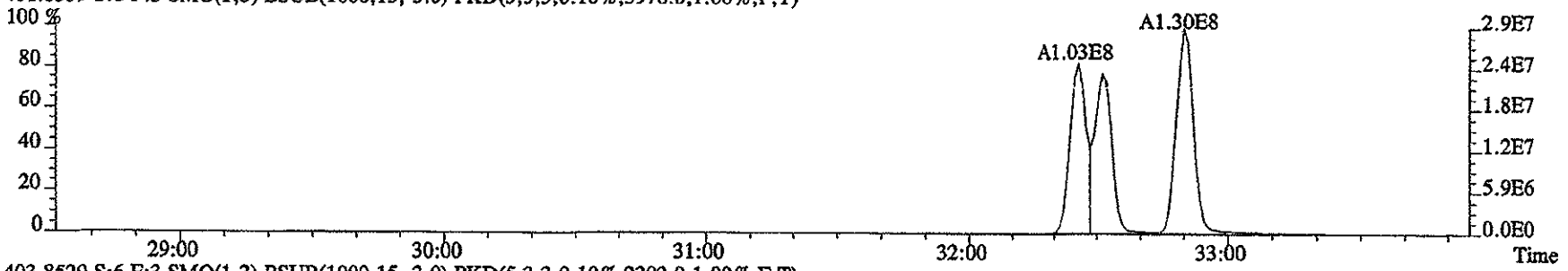
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T)



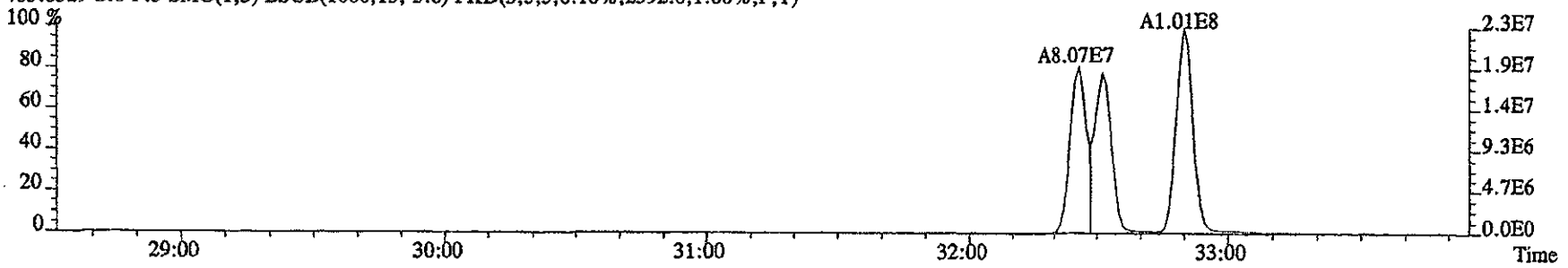
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3616.0,1.00%,F,T)

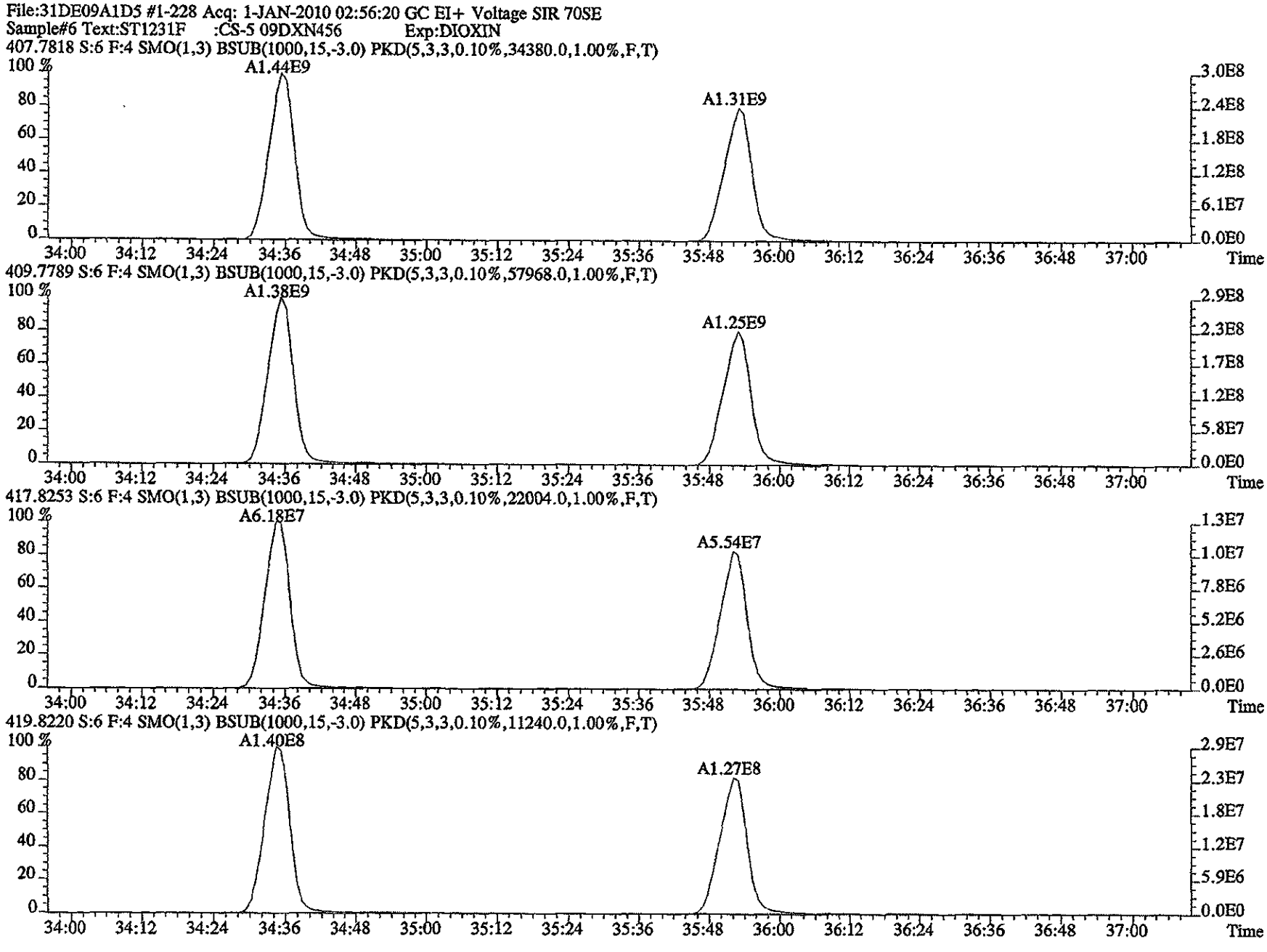


401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3976.0,1.00%,F,T)

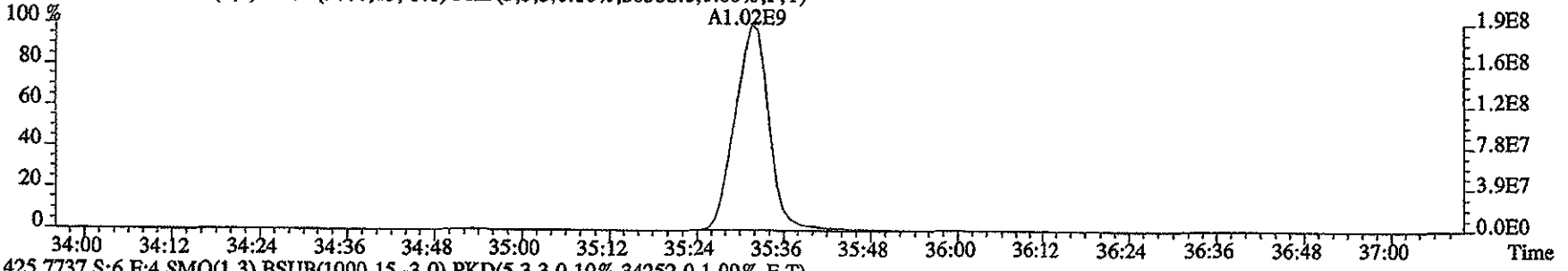


403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)

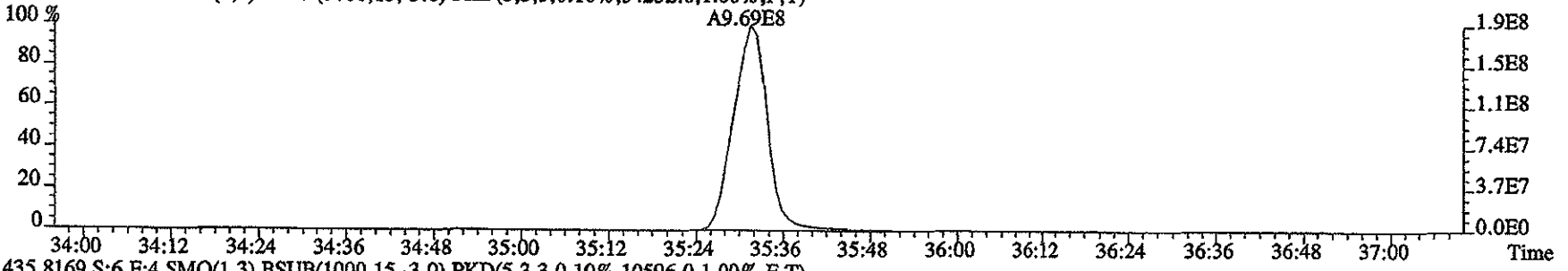




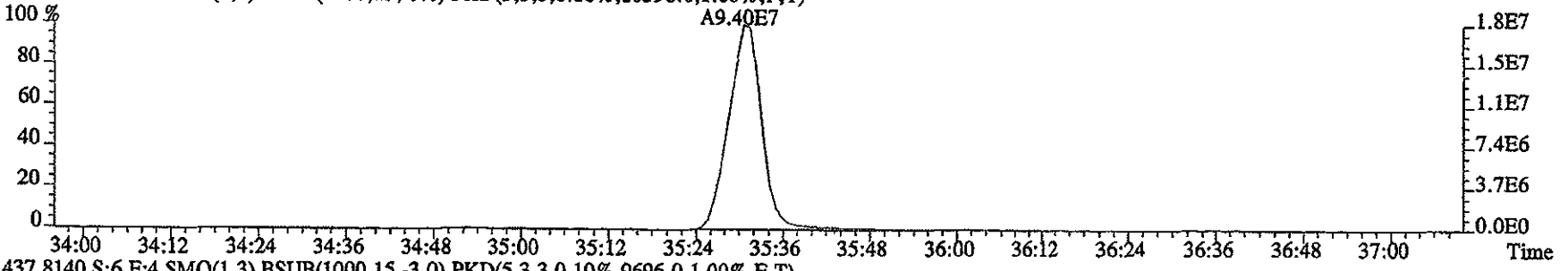
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38388.0,1.00%,F,T)



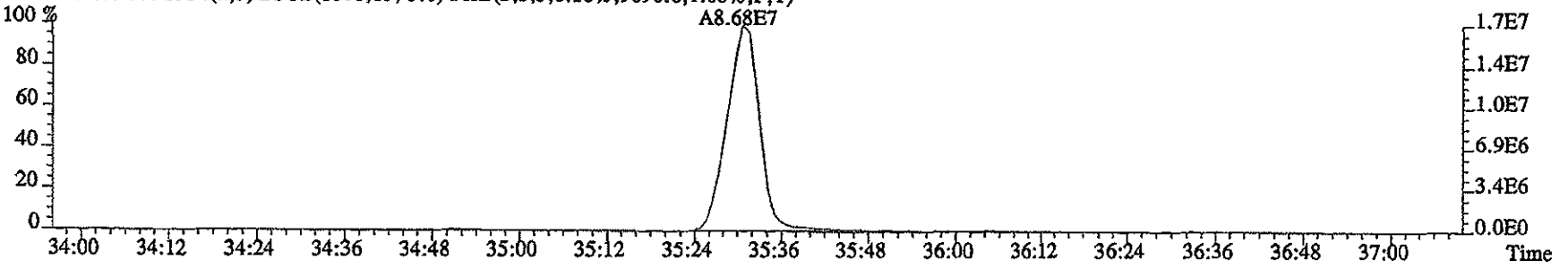
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34252.0,1.00%,F,T)

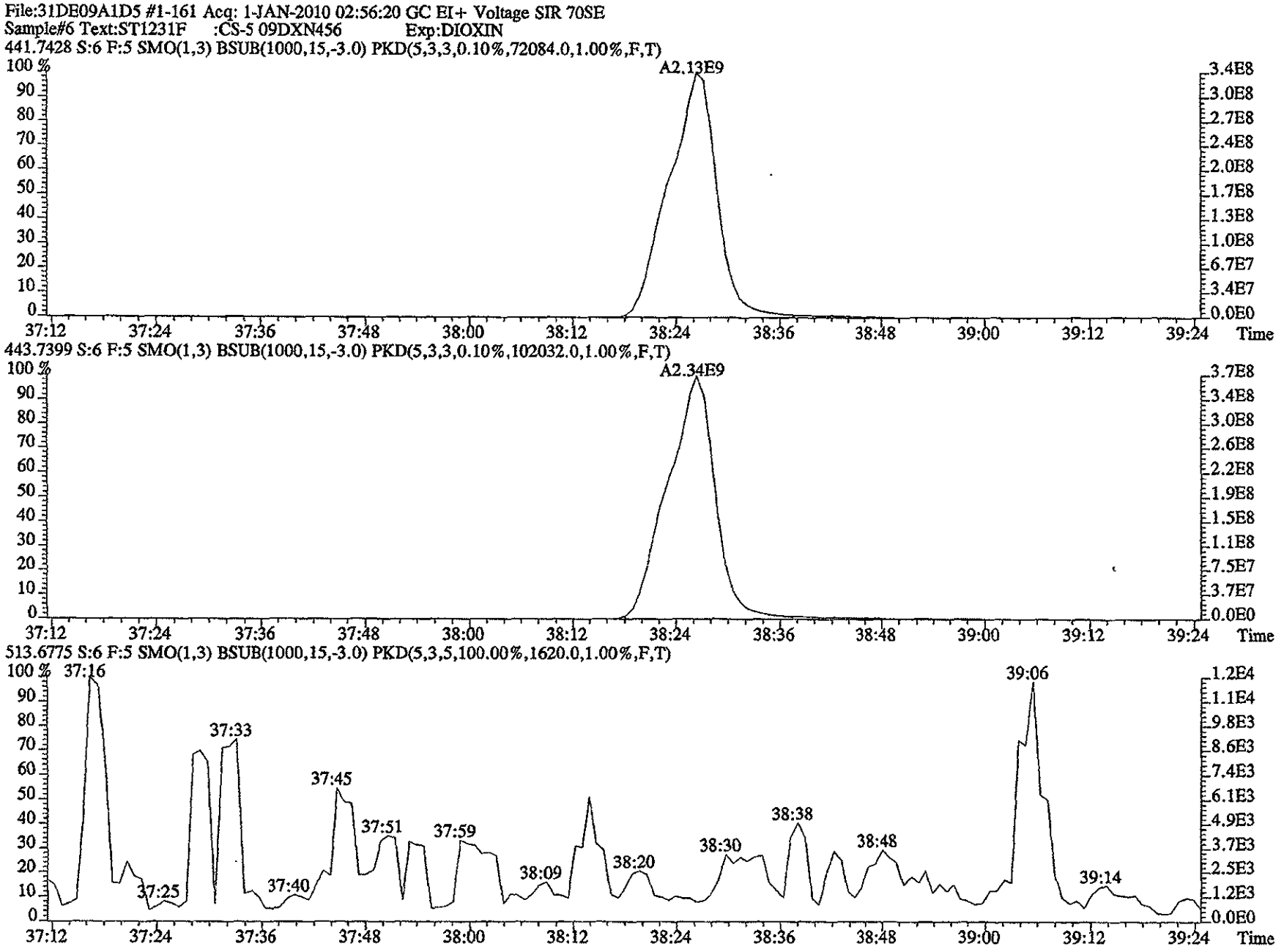


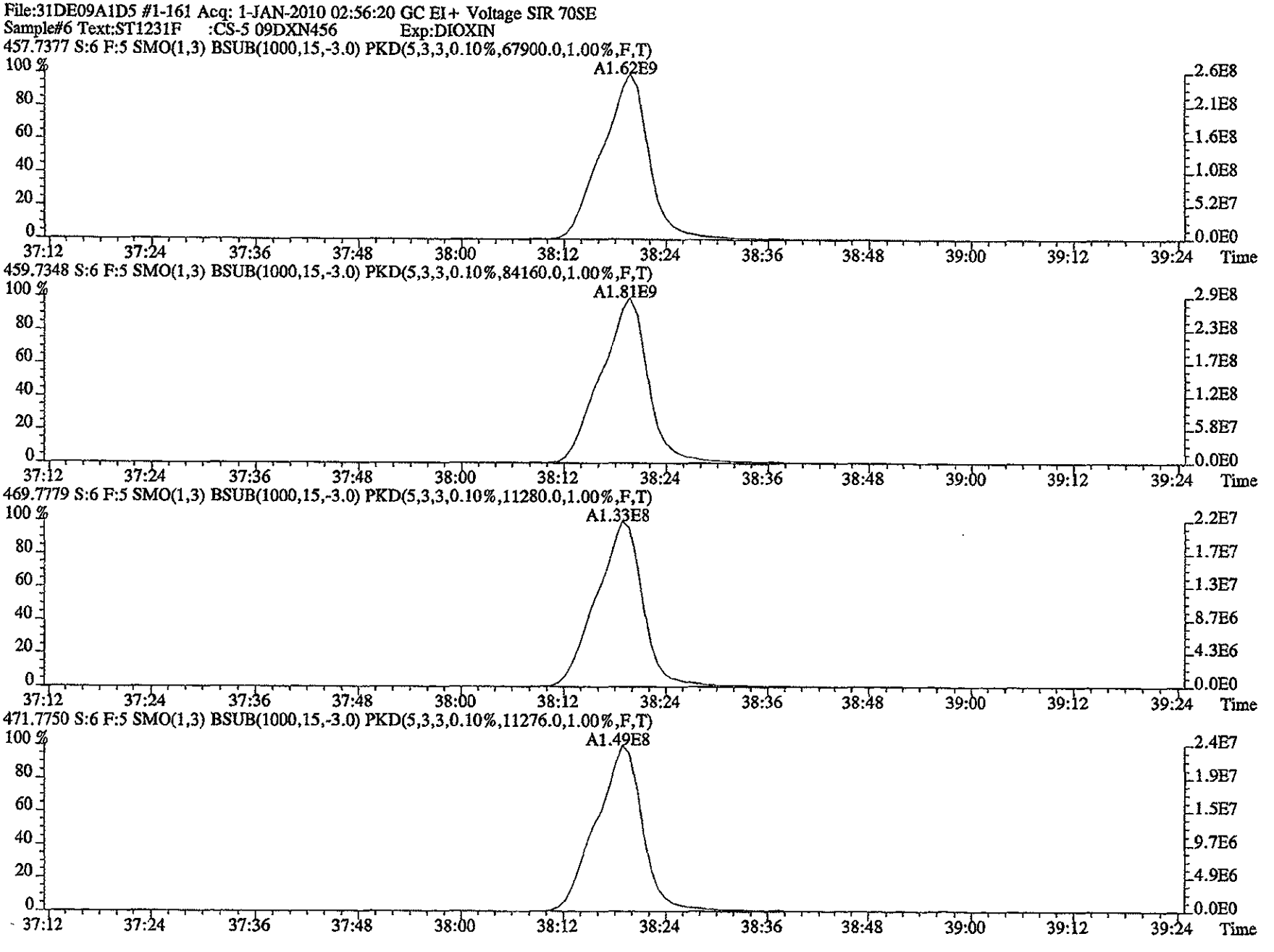
435.8169 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10596.0,1.00%,F,T)

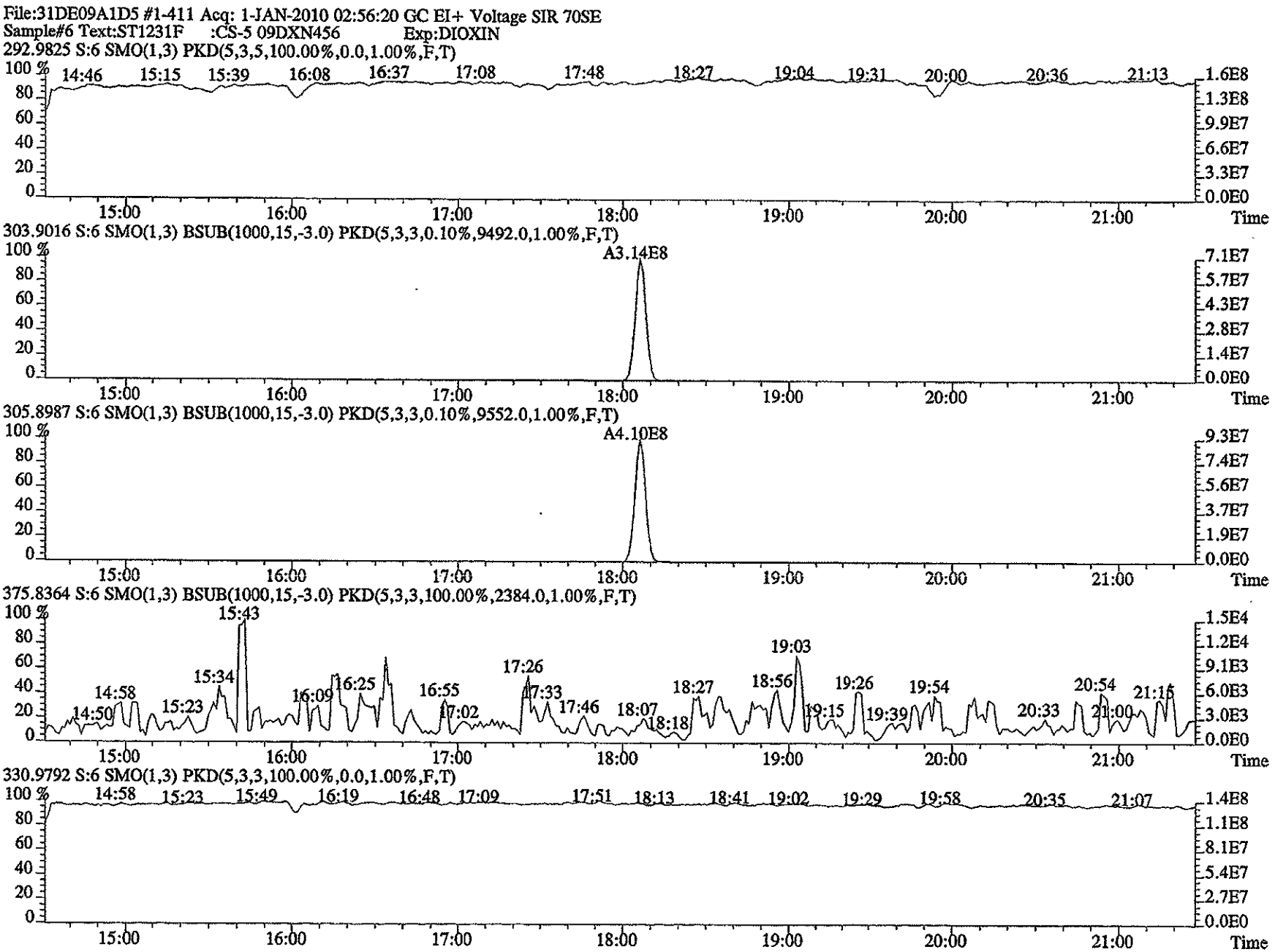


437.8140 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9696.0,1.00%,F,T)

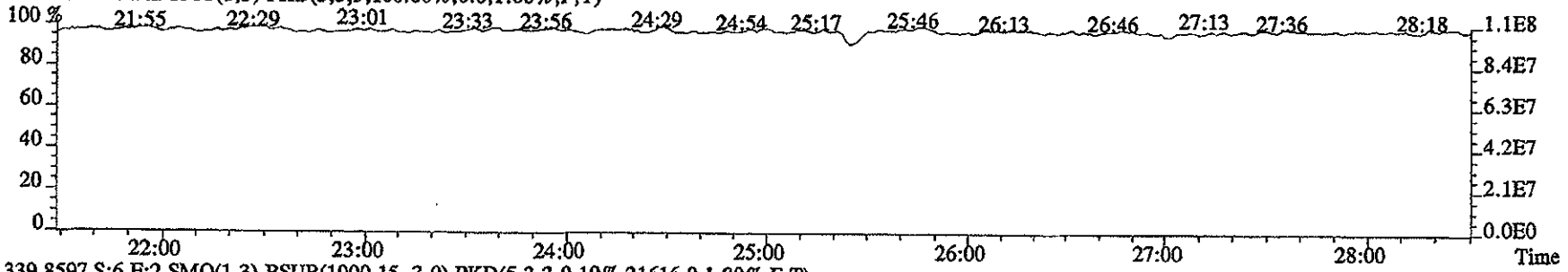



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72084.0,1.00%,F,T)
A2.13E9
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,102032.0,1.00%,F,T)
A2.34E9
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1620.0,1.00%,F,T)
37:16
37:25
37:33
37:40
37:45
37:51
37:59
38:09
38:20
38:30
38:38
38:48
39:06
39:14
Time

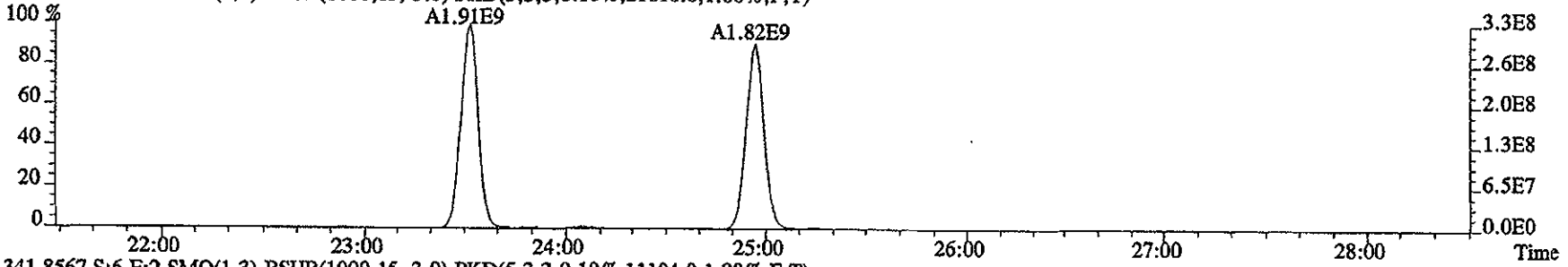

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,67900.0,1.00%,F,T)
A1.62E9
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84160.0,1.00%,F,T)
A1.81E9
469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11280.0,1.00%,F,T)
A1.33E8
471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11276.0,1.00%,F,T)
A1.49E8
100 %
80
60
40
20
0
37:12
37:24
37:36
37:48
38:00
38:12
38:24
38:36
38:48
39:00
39:12
39:24
Time
2.6E8
2.1E8
1.6E8
1.0E8
5.2E7
0.0E0
2.9E8
2.3E8
1.7E8
1.2E8
5.8E7
2.2E7
1.7E7
1.3E7
8.7E6
4.3E6
2.4E7
1.9E7
1.5E7
9.7E6
4.9E6


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
292.9825 S:6 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9492.0,1.00%,F,T)
A3.14E8
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9552.0,1.00%,F,T)
A4.10E8
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2384.0,1.00%,F,T)
330.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

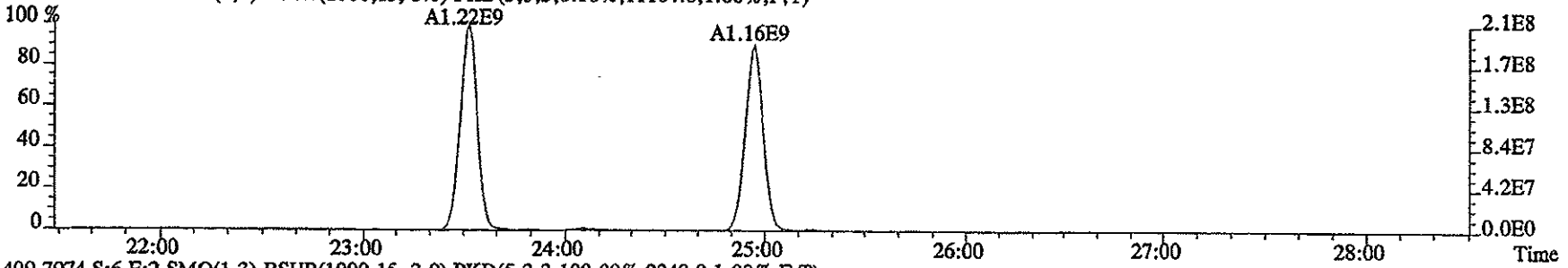
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



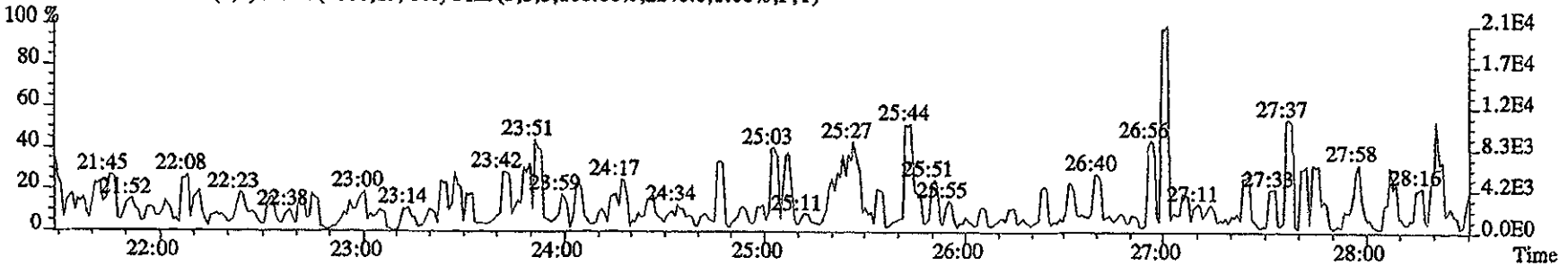
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21616.0,1.00%,F,T)



341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)

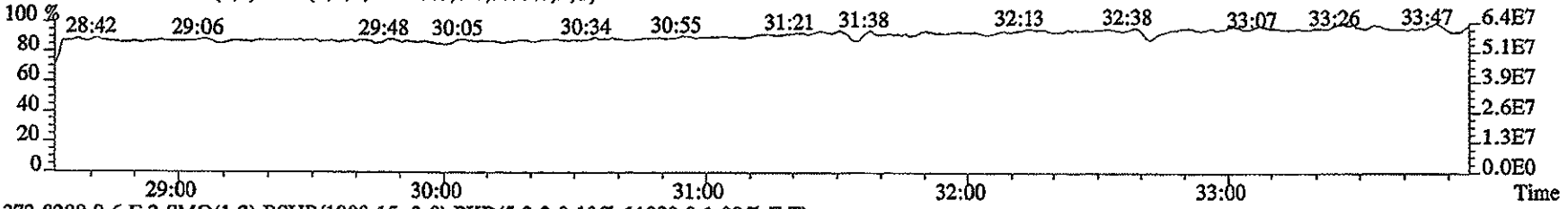


409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2240.0,1.00%,F,T)

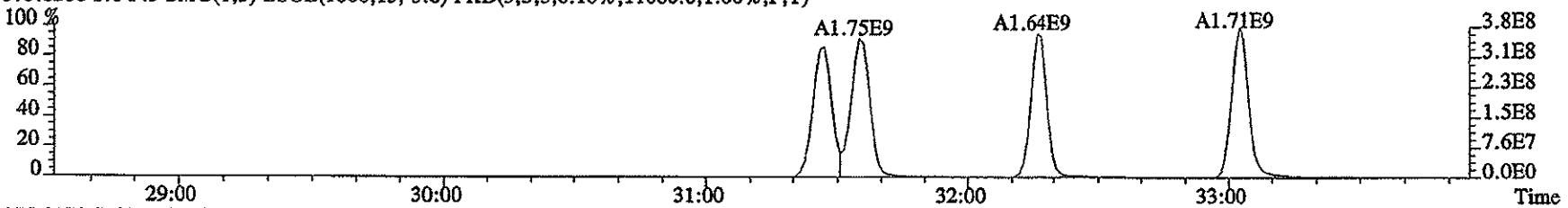


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

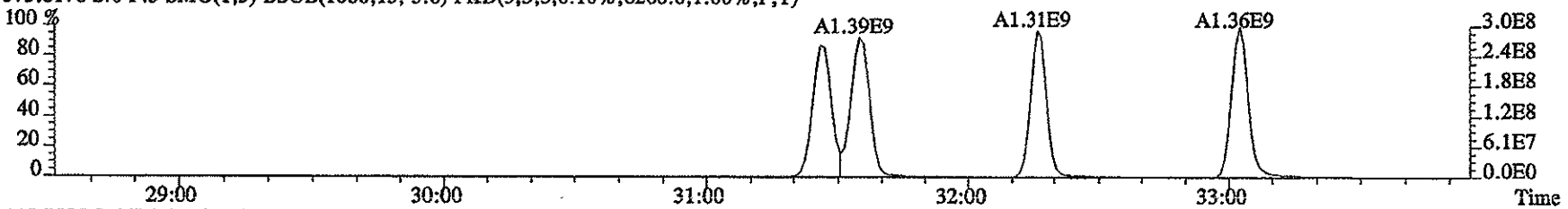
392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



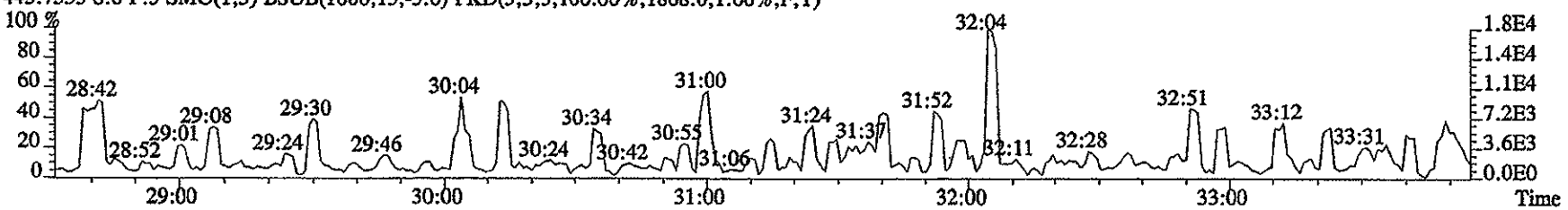
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080.0,1.00%,F,T)



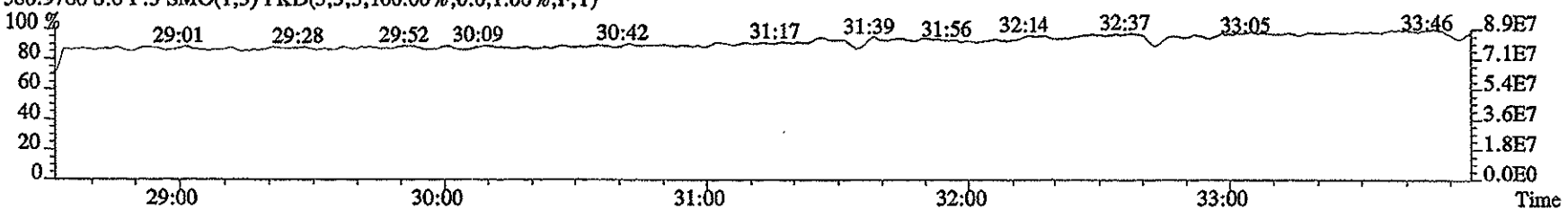
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)

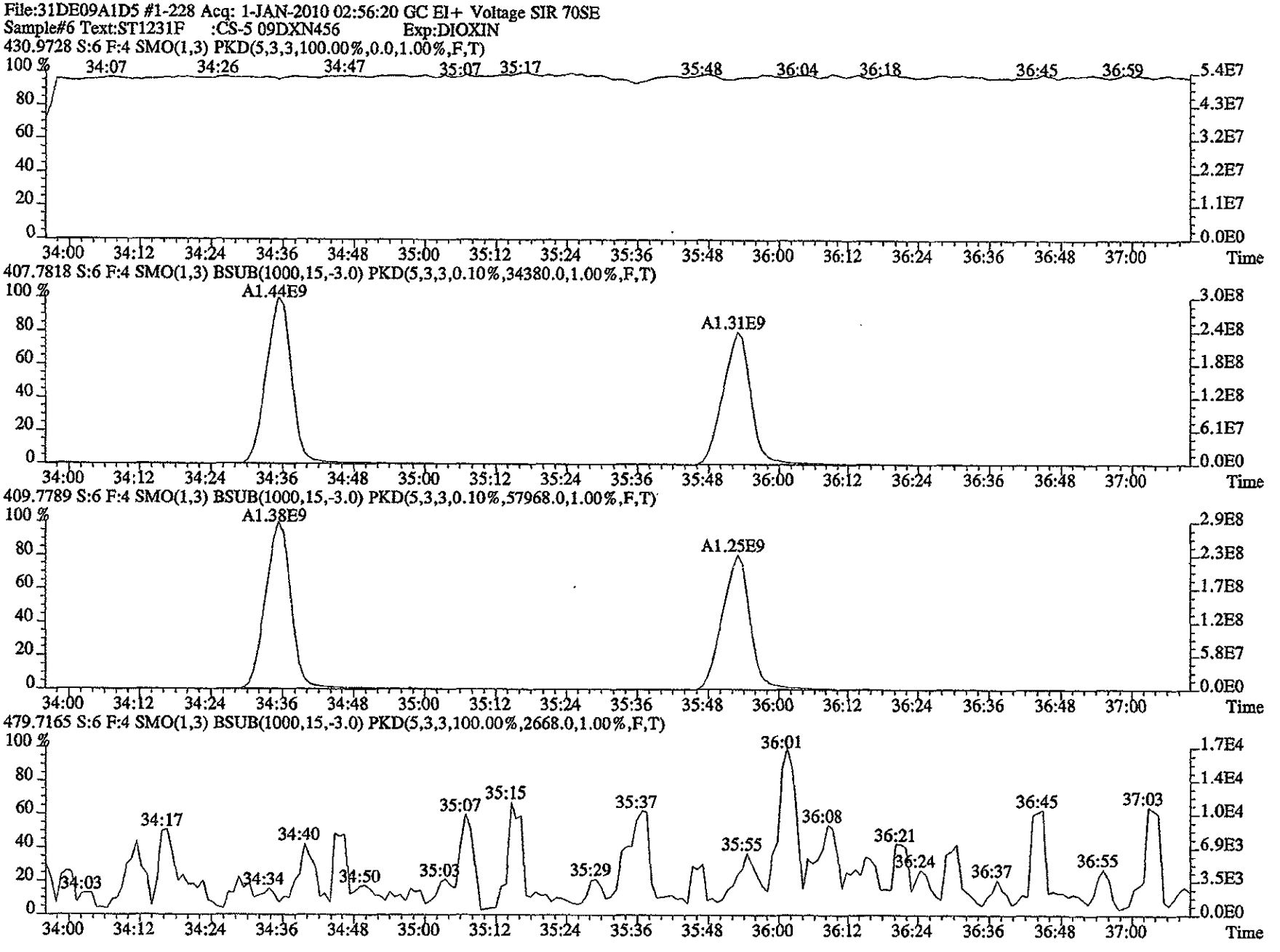


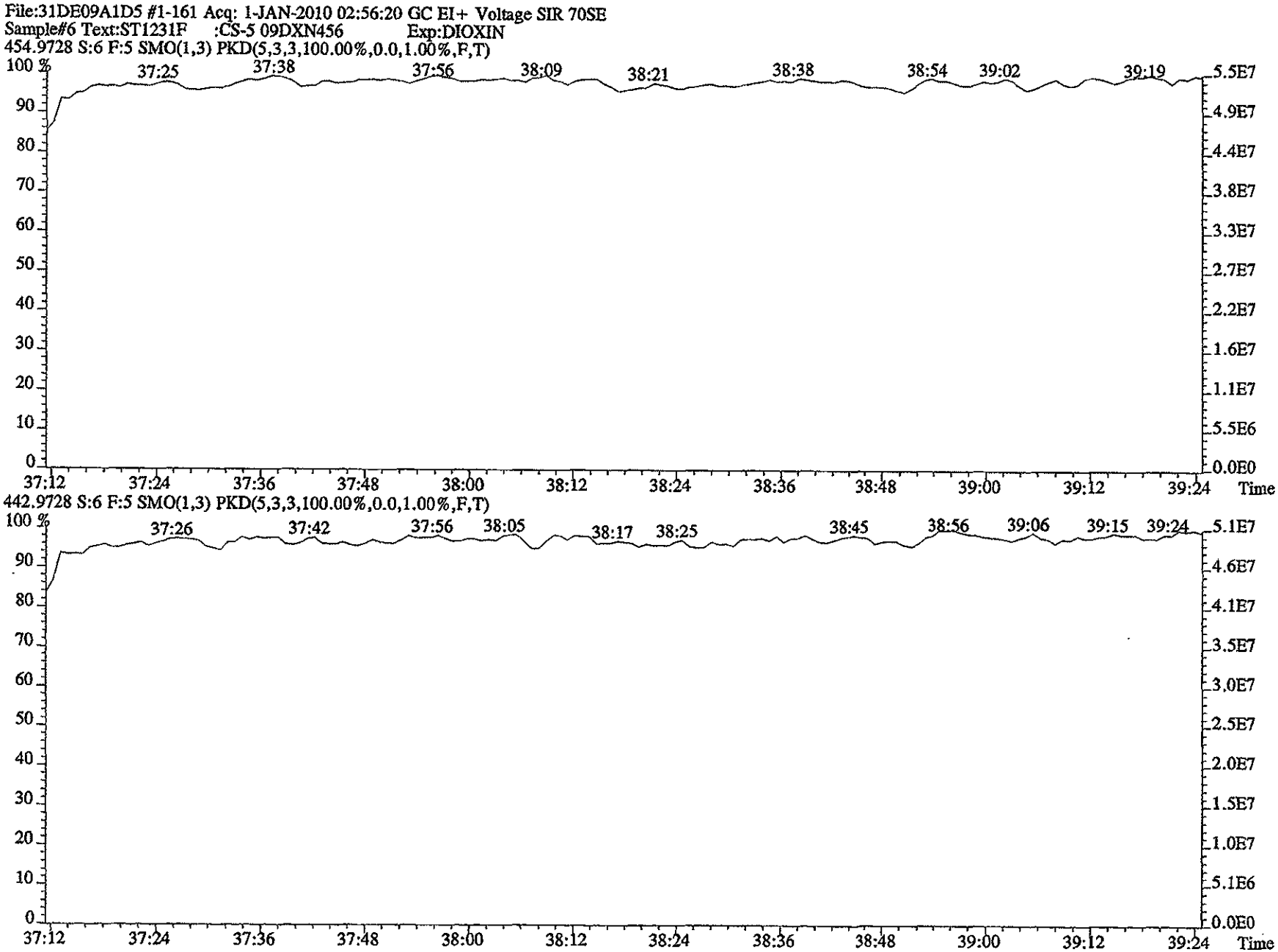
445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1868.0,1.00%,F,T)



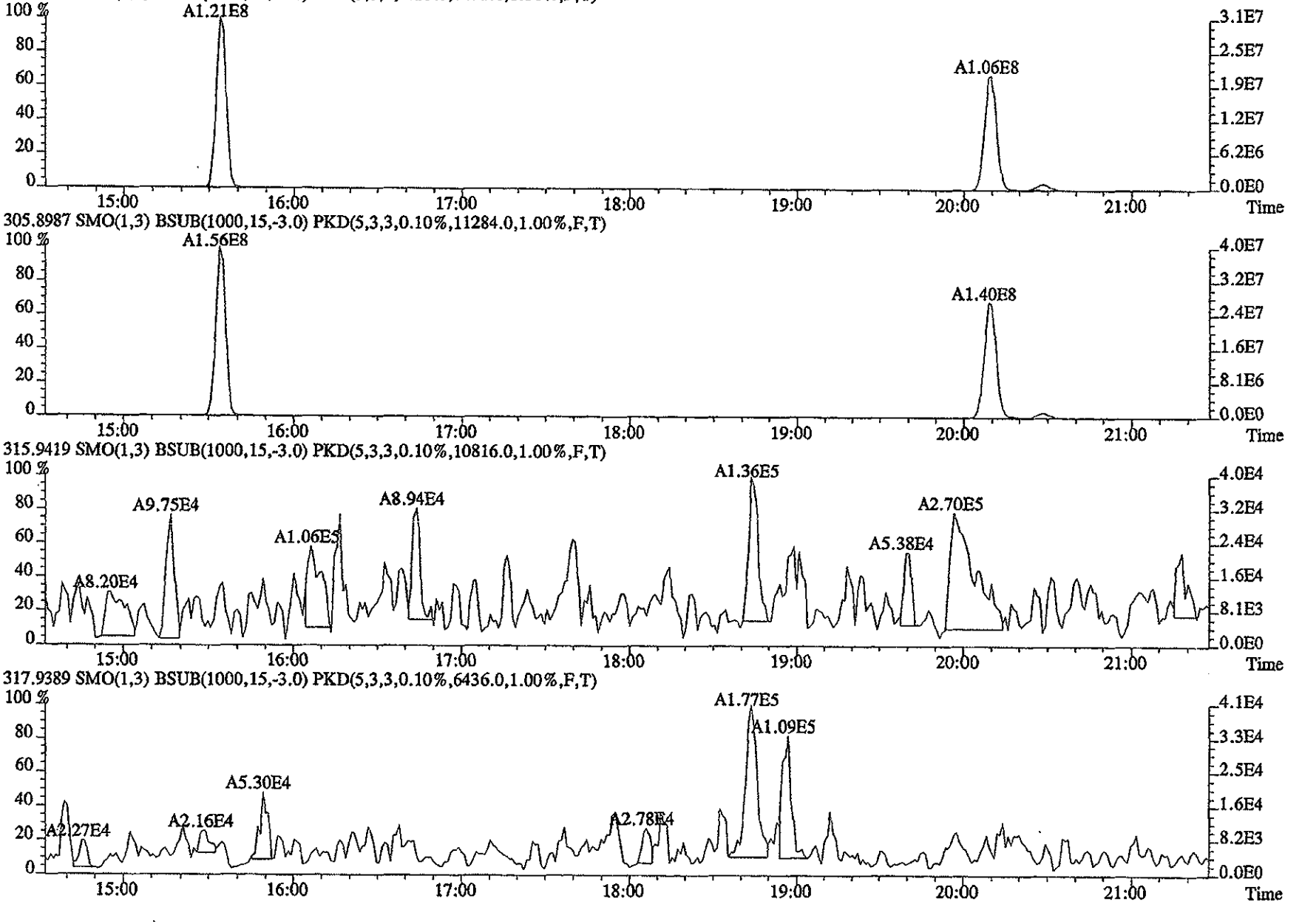
380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

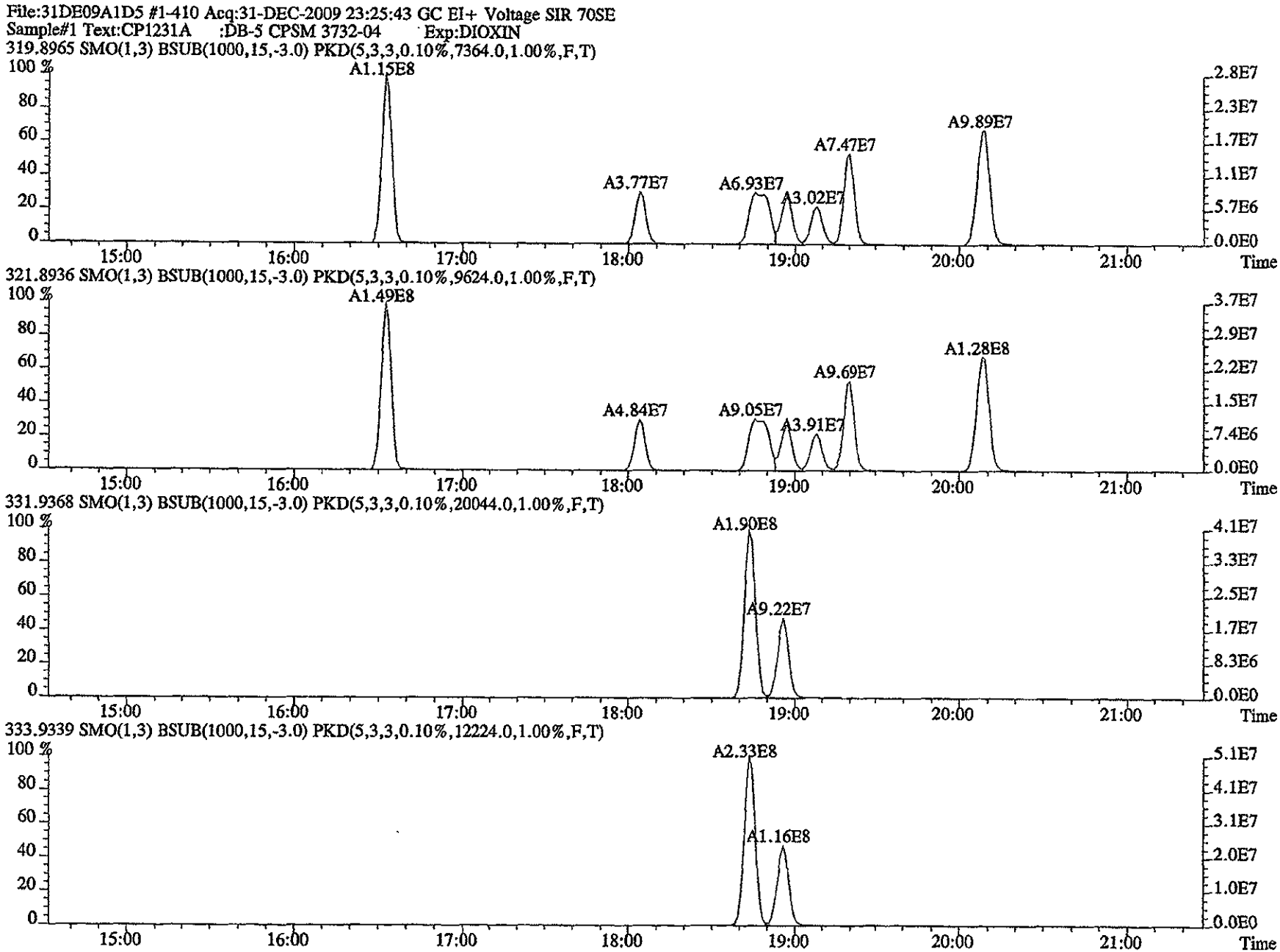



File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34380.0,1.00%,F,T)
A1.44E9
A1.31E9
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57968.0,1.00%,F,T)
A1.38E9
A1.25E9
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2668.0,1.00%,F,T)
Time

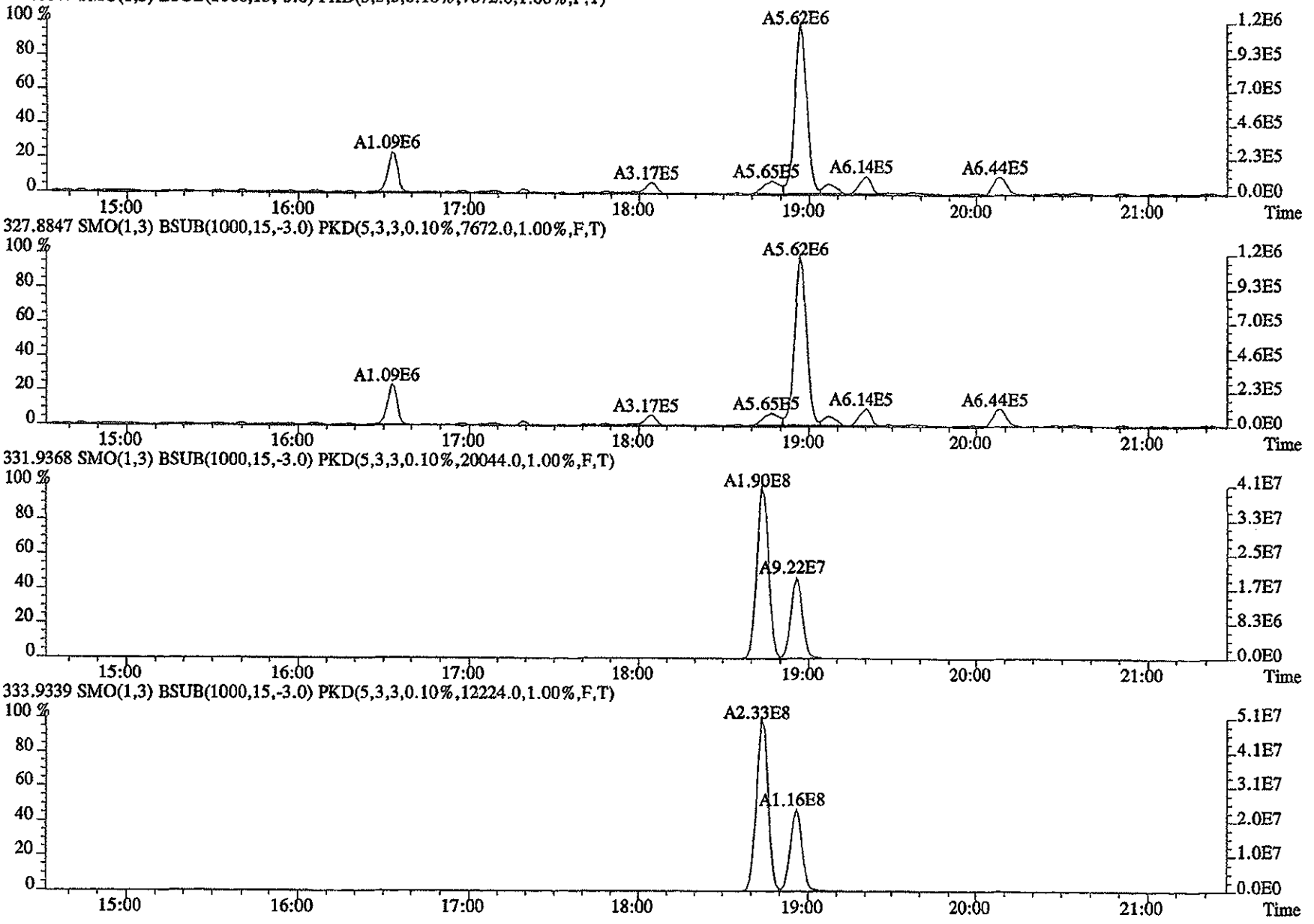

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

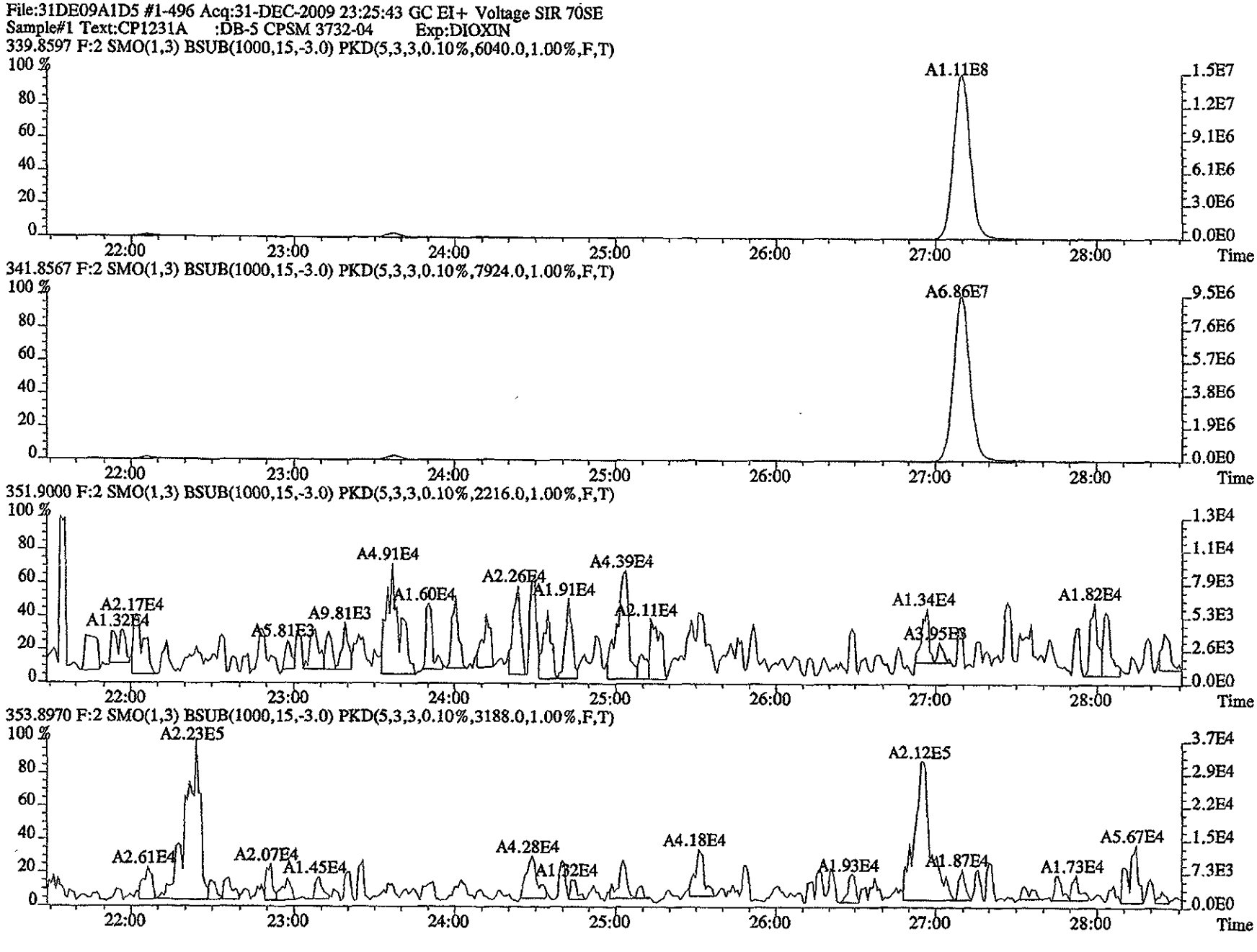
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN



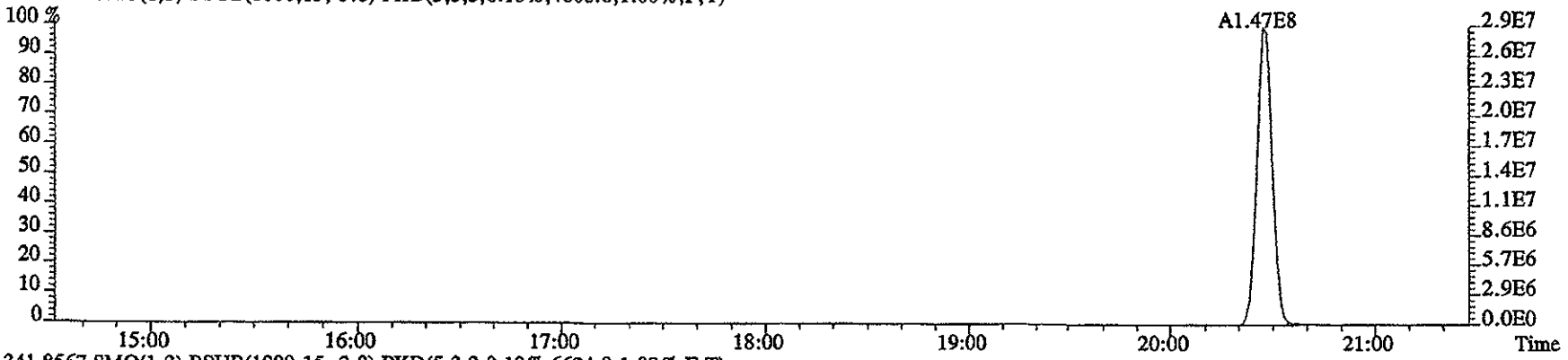


File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

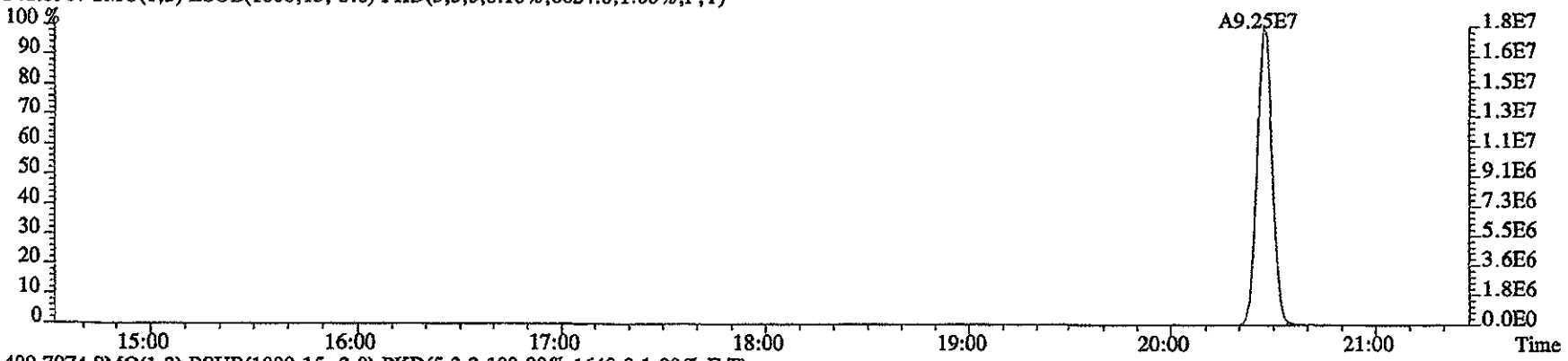




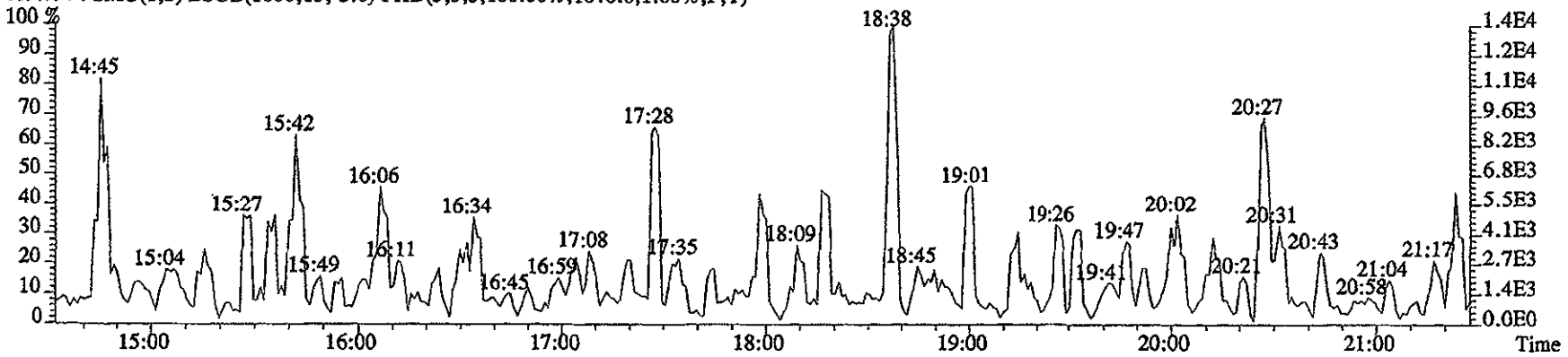
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4608.0,1.00%,F,T)

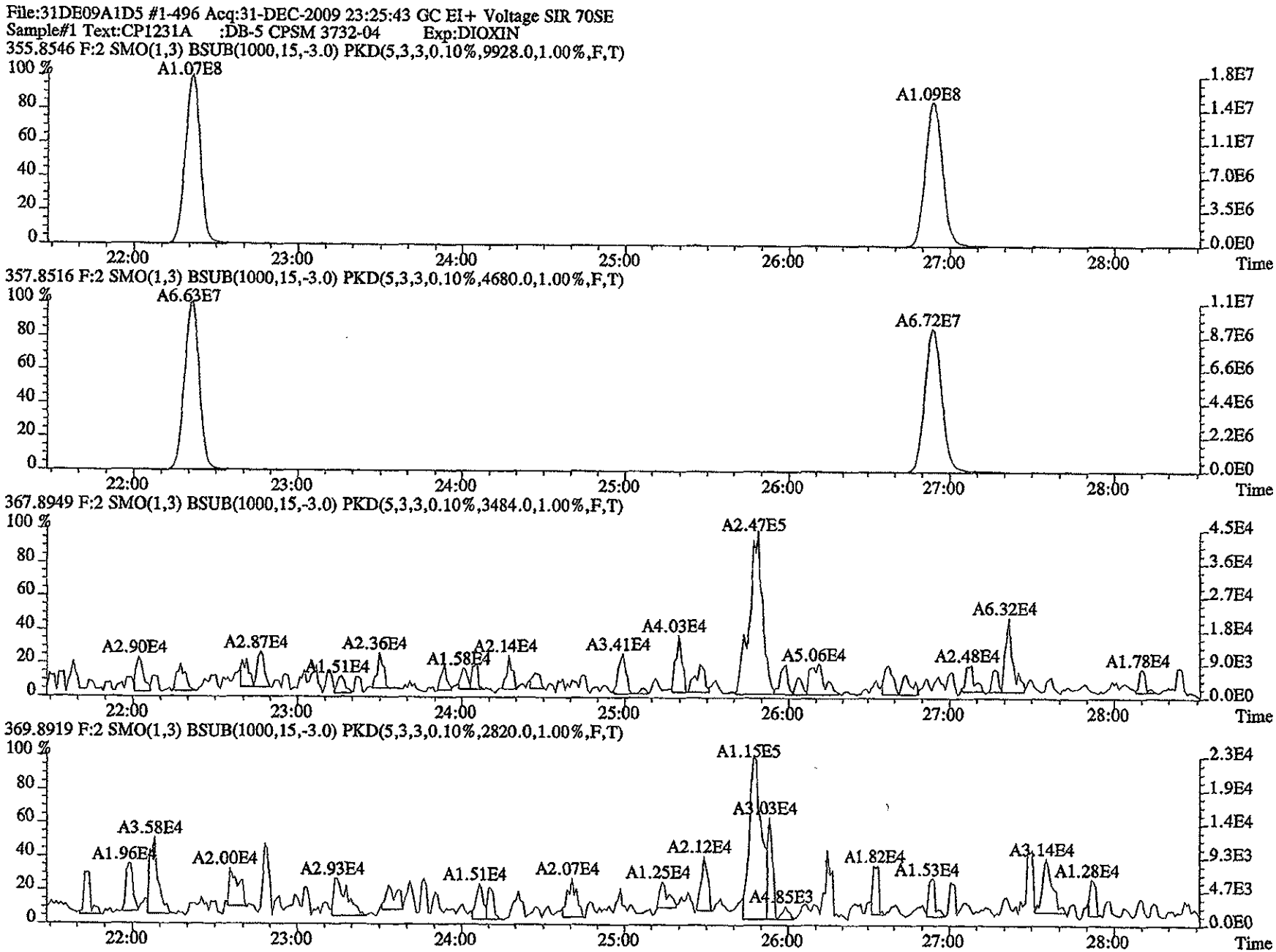


341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6624.0,1.00%,F,T)



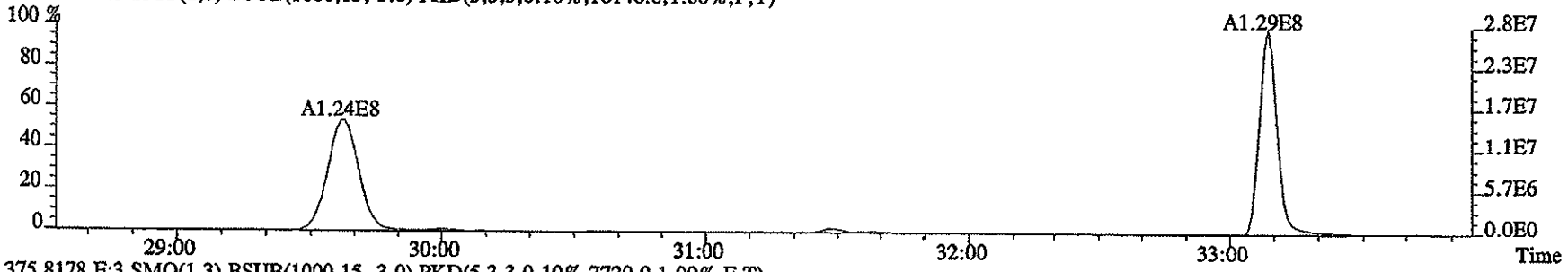
409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1640.0,1.00%,F,T)



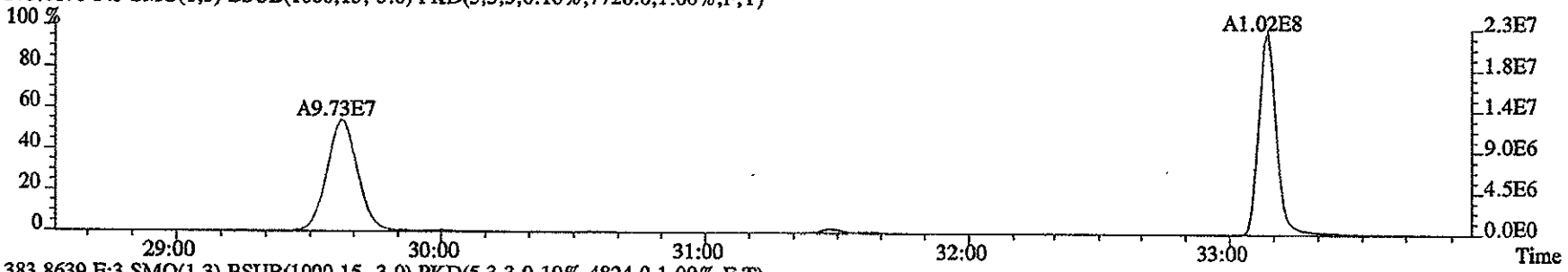


File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

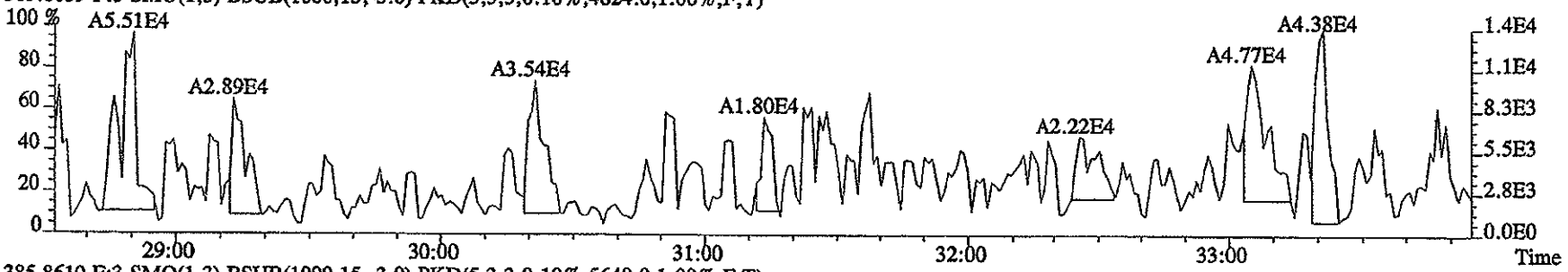
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16148.0,1.00%,F,T)



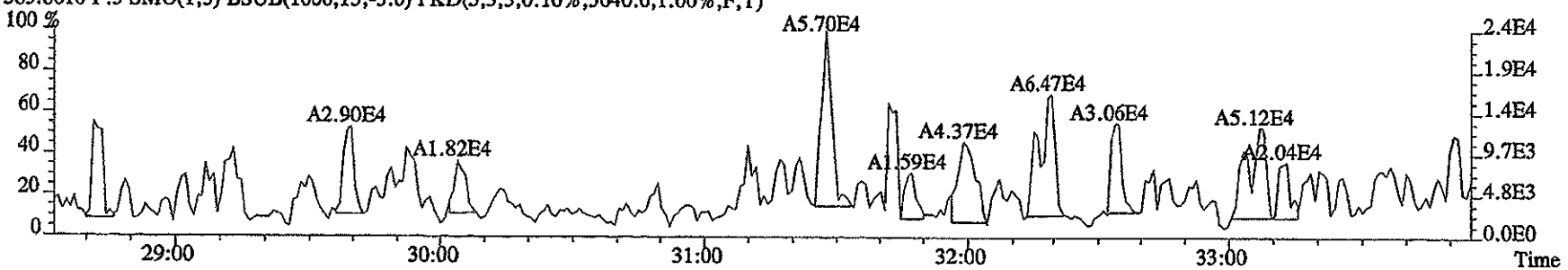
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7720.0,1.00%,F,T)

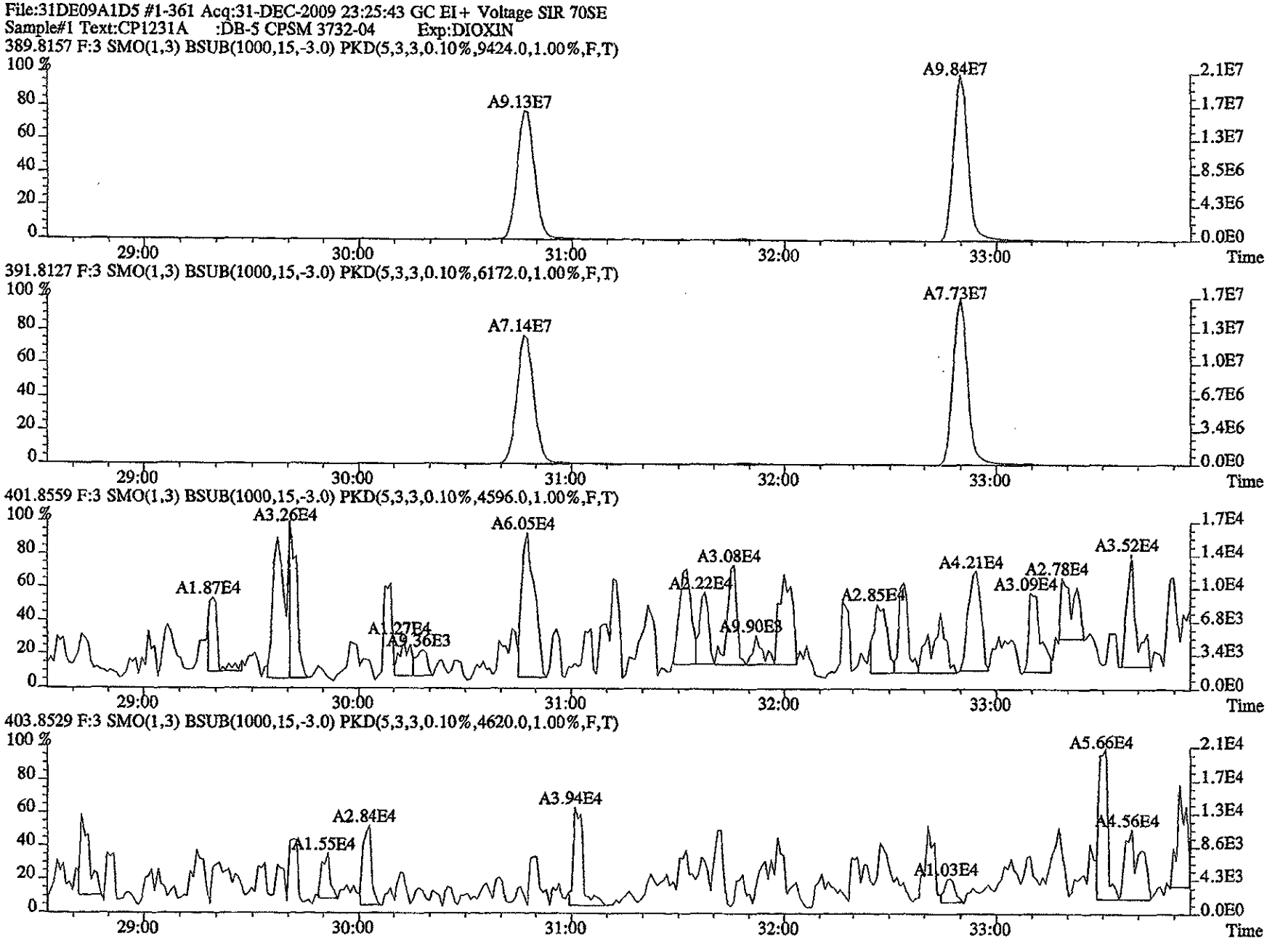


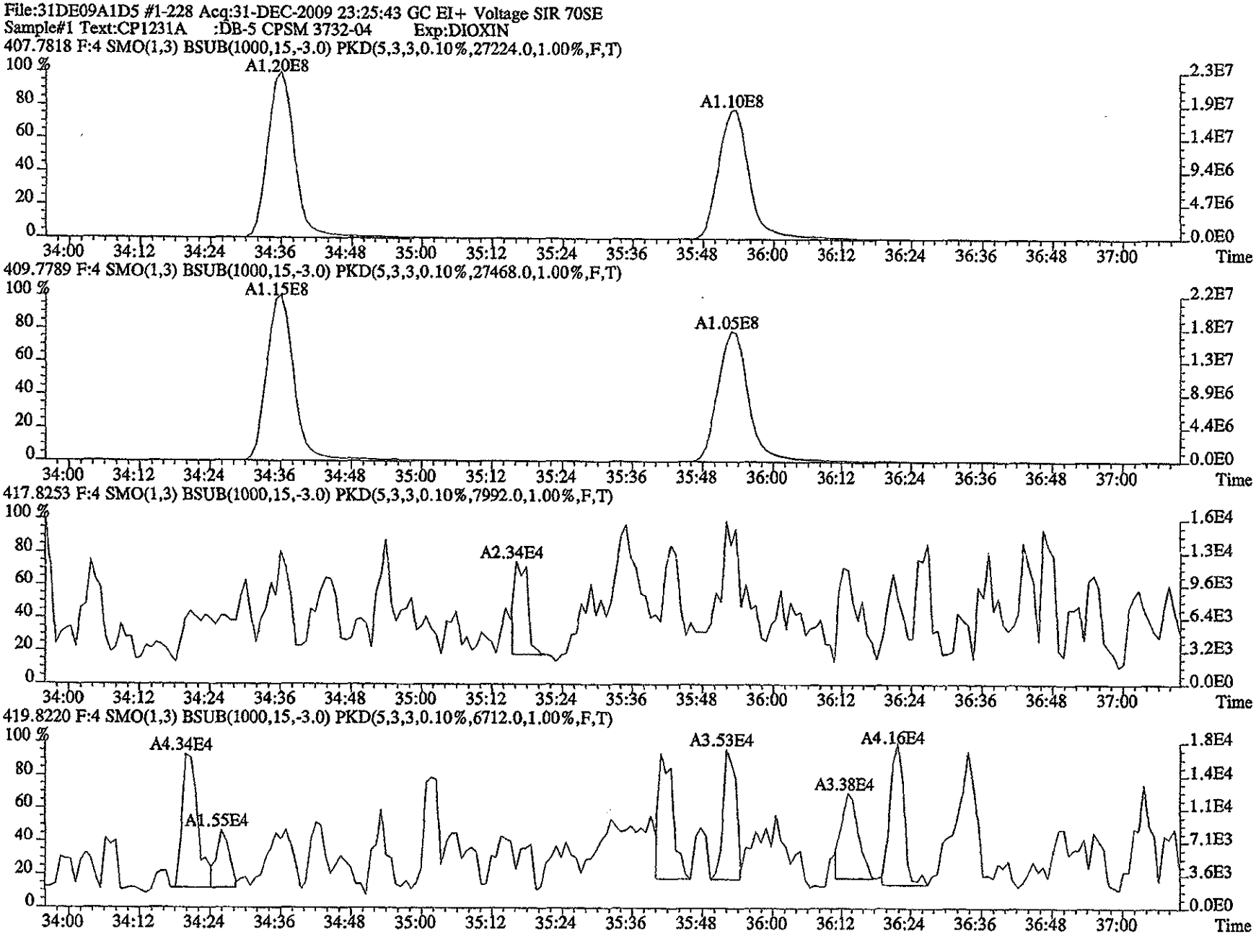
383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4824.0,1.00%,F,T)

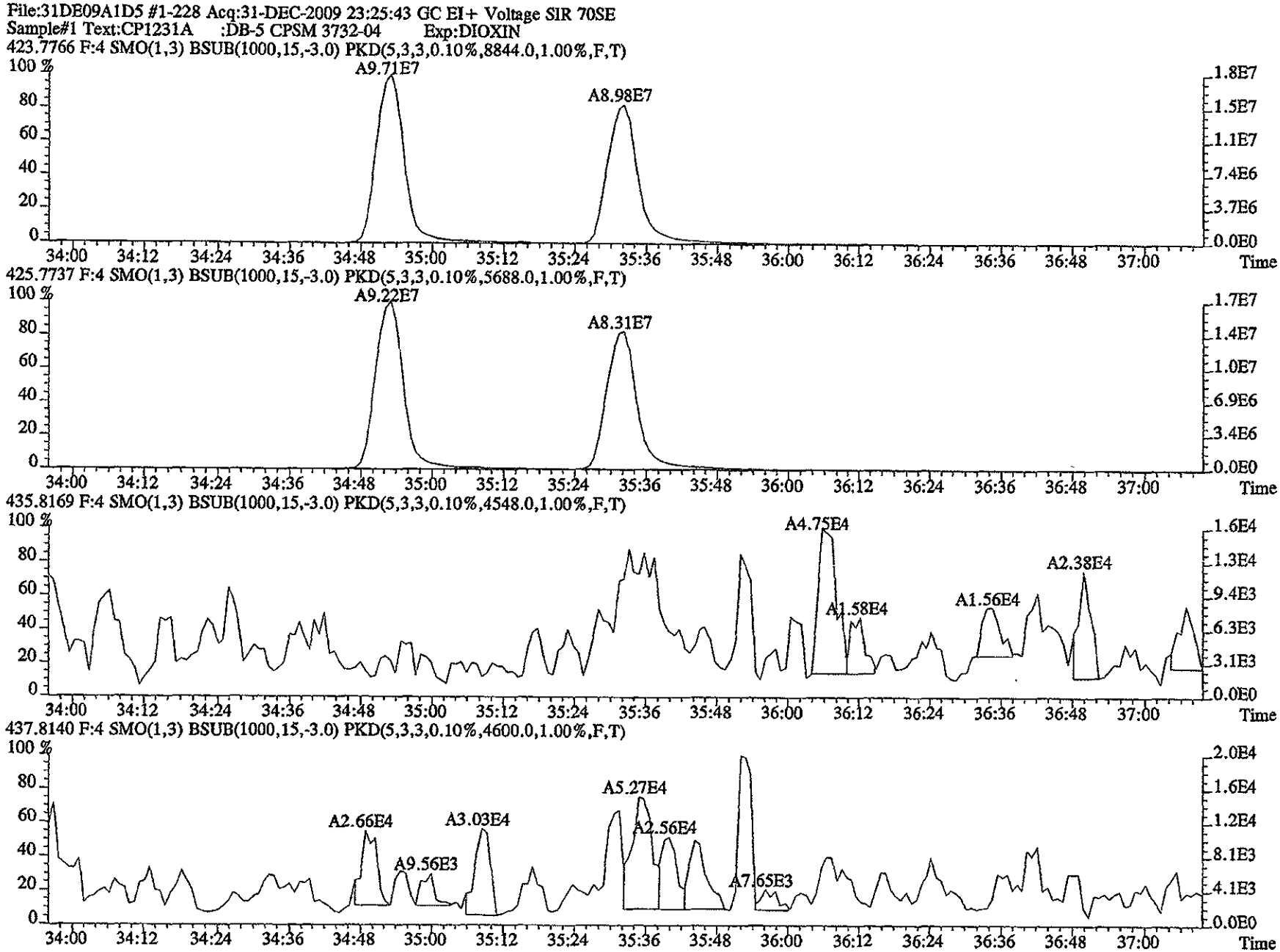


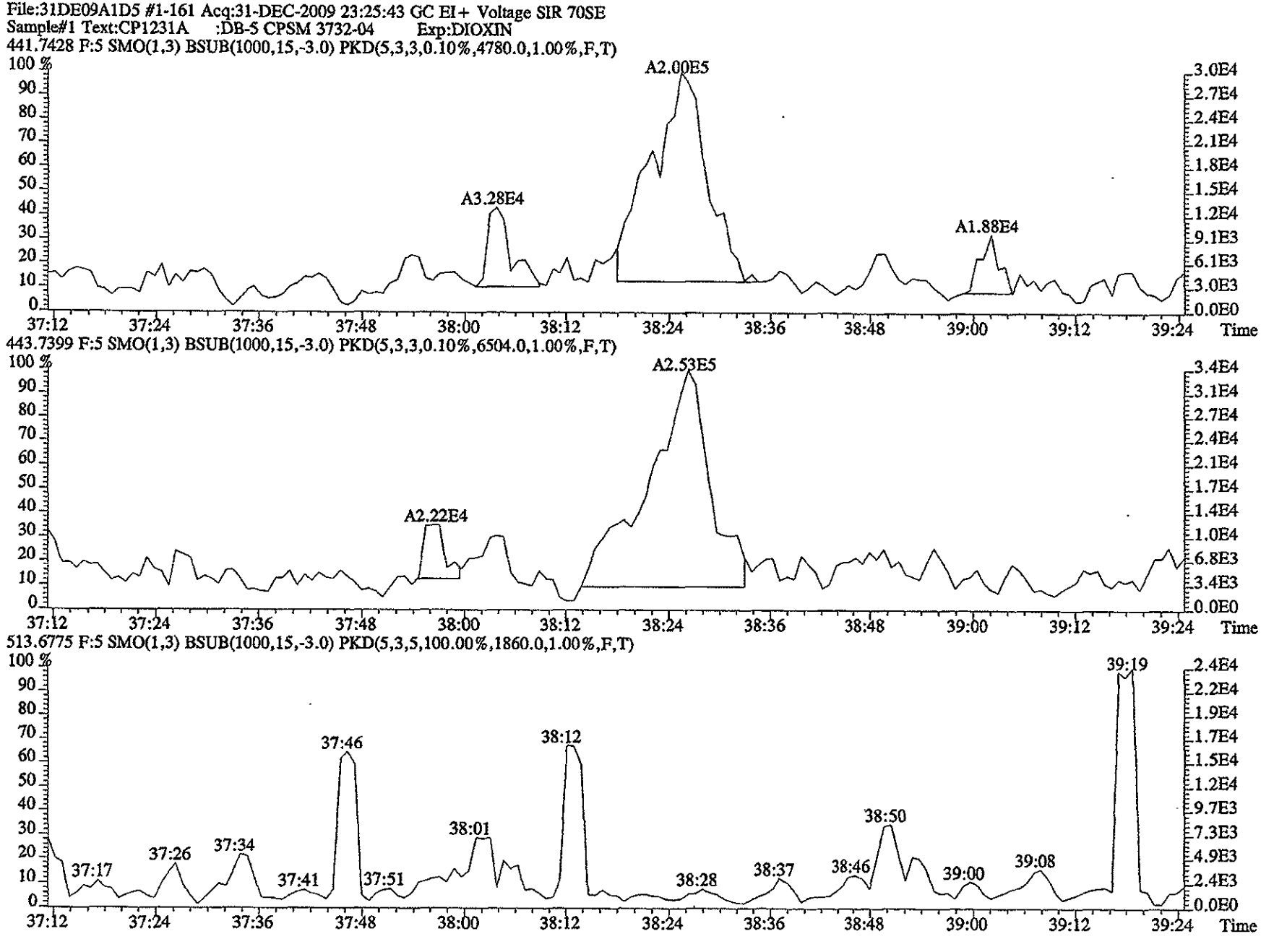
385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5640.0,1.00%,F,T)

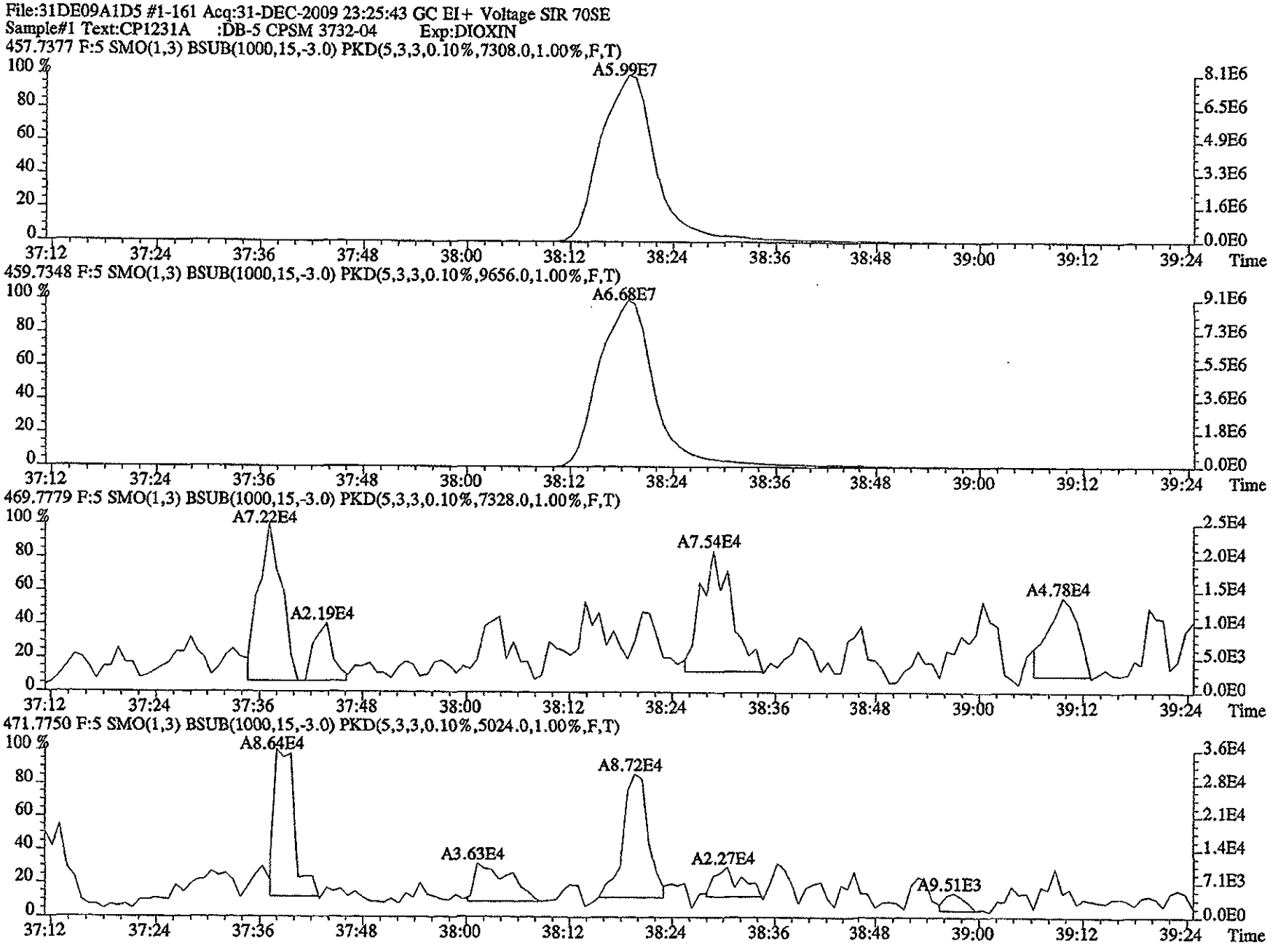






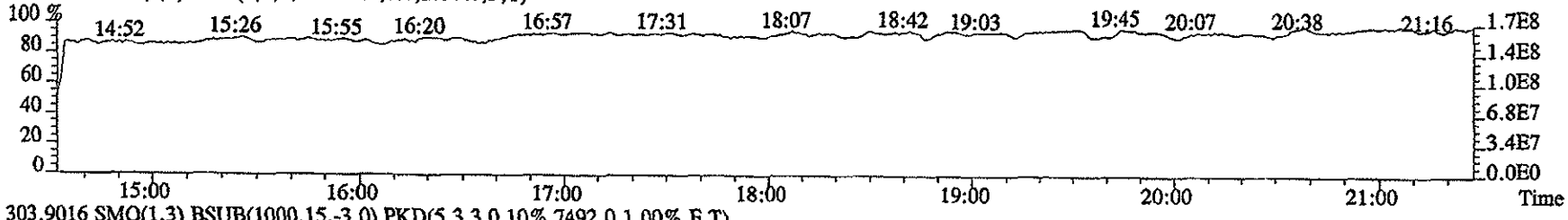




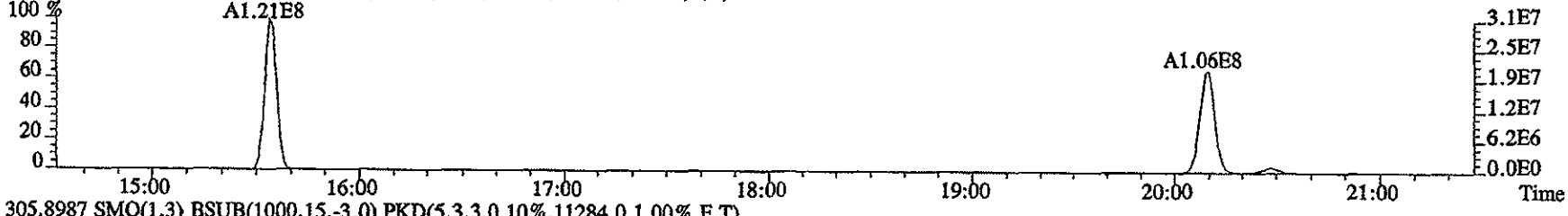


File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

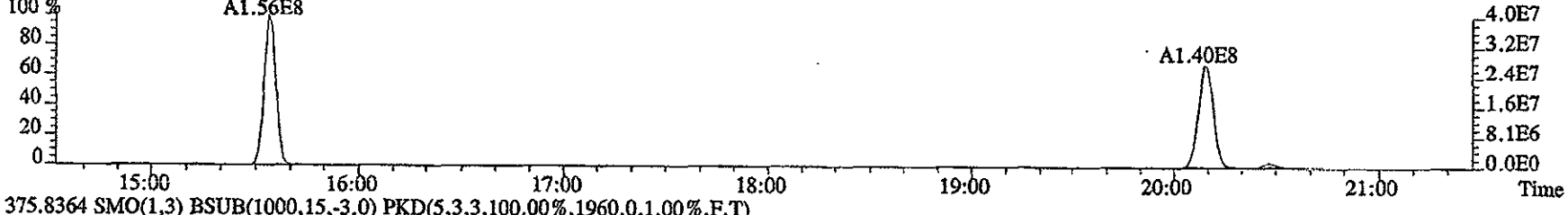
292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



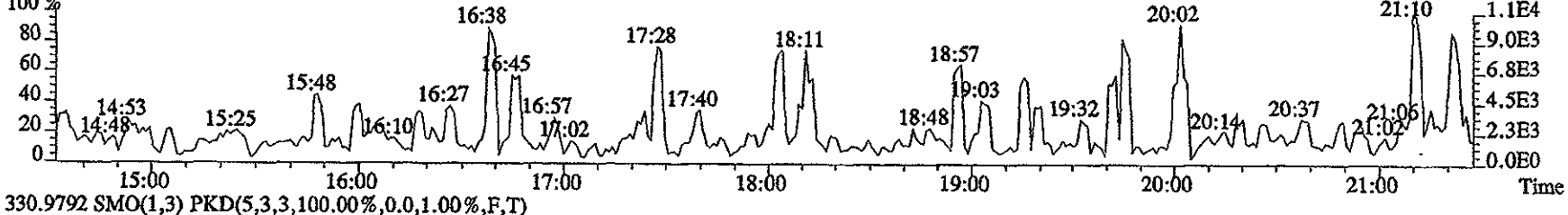
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)



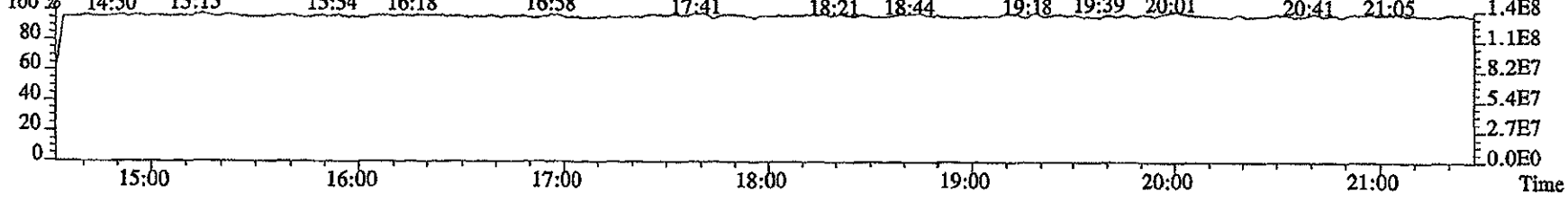
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11284.0,1.00%,F,T)



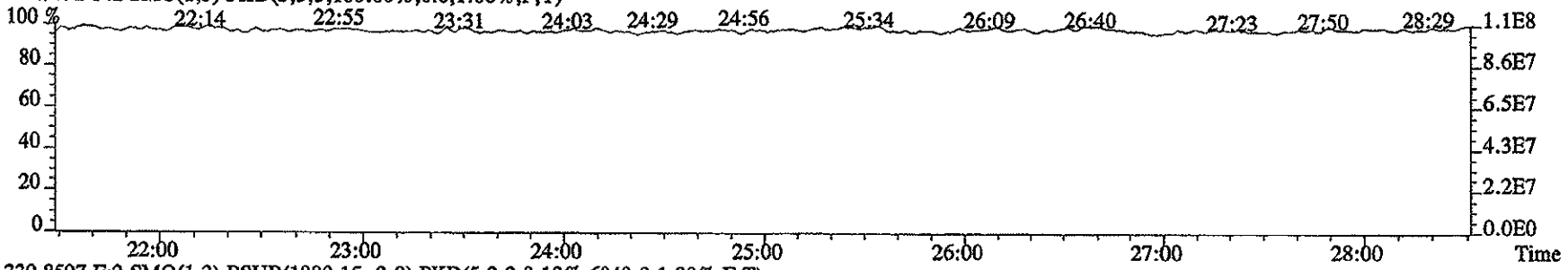
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1960.0,1.00%,F,T)

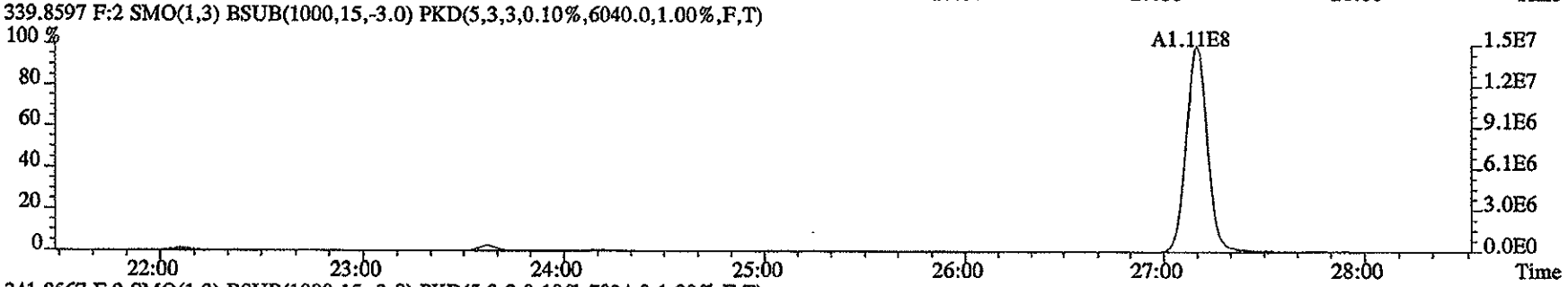


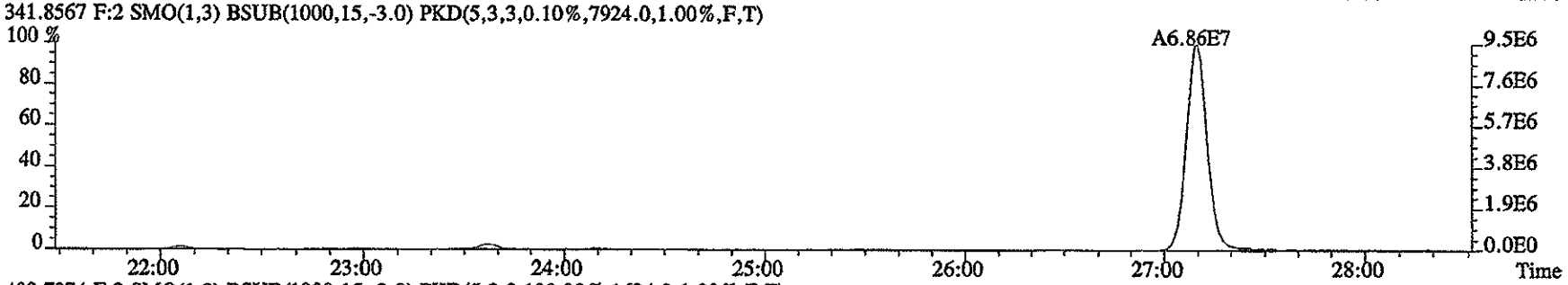
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

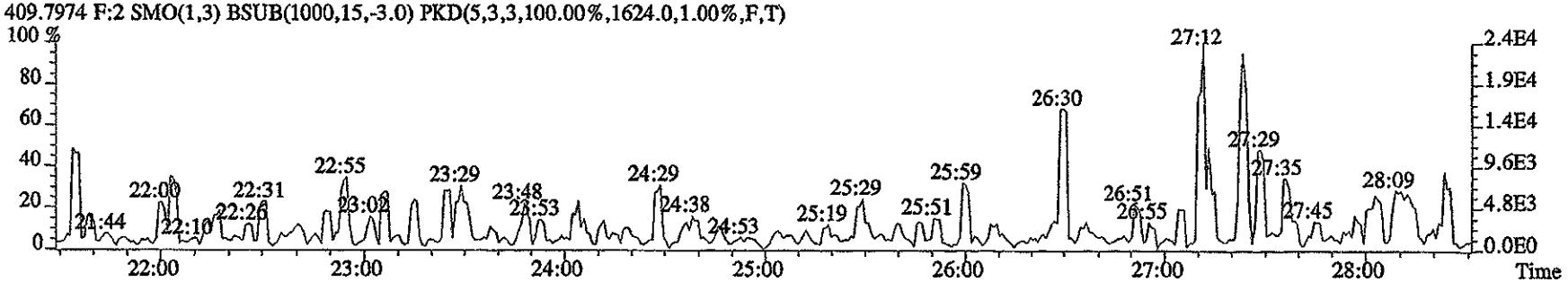


File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

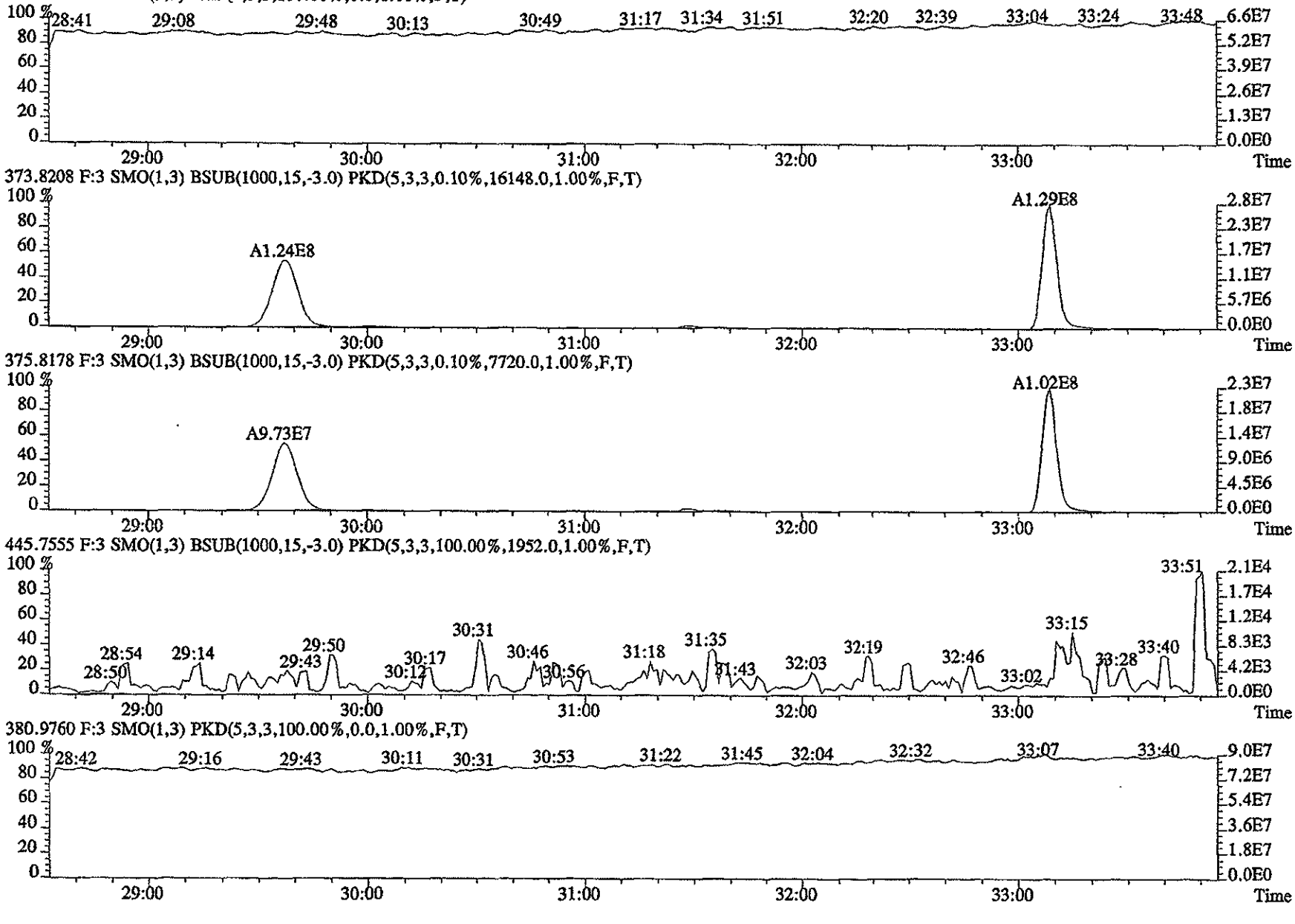




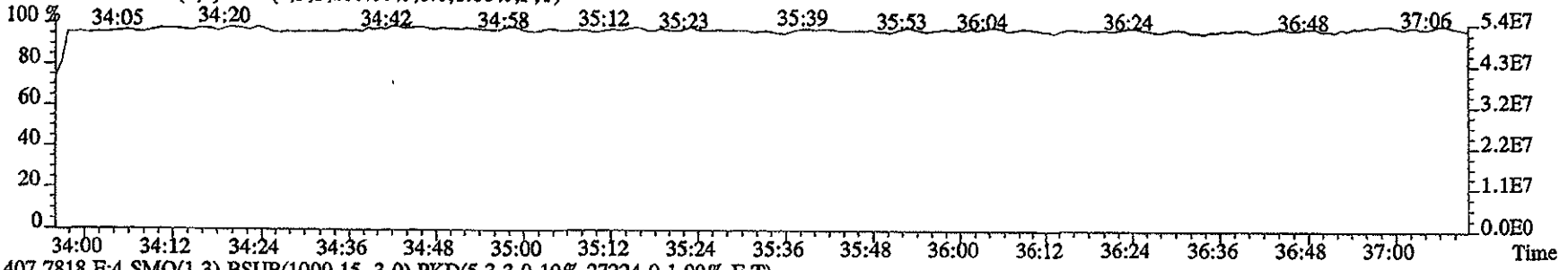


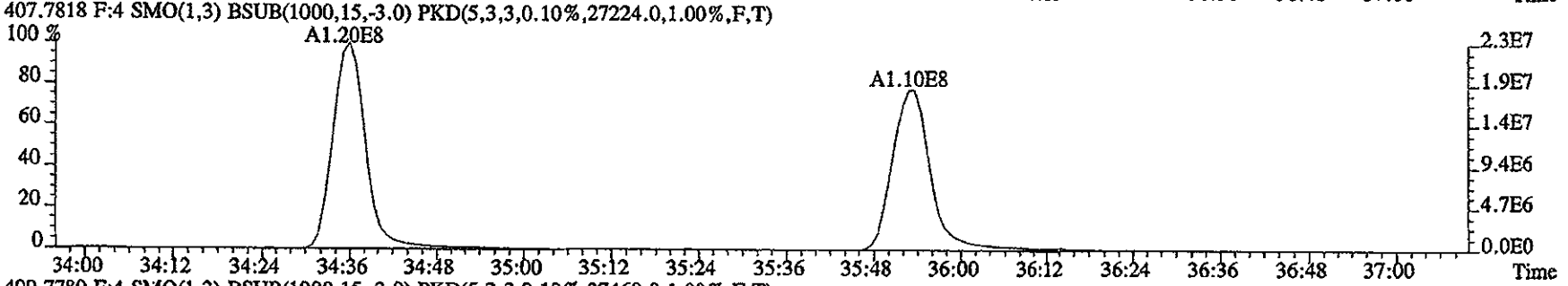


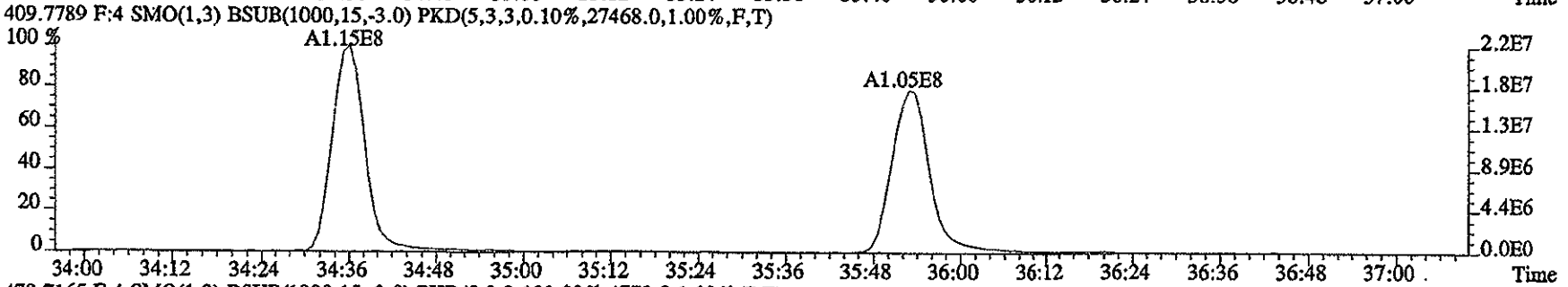
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

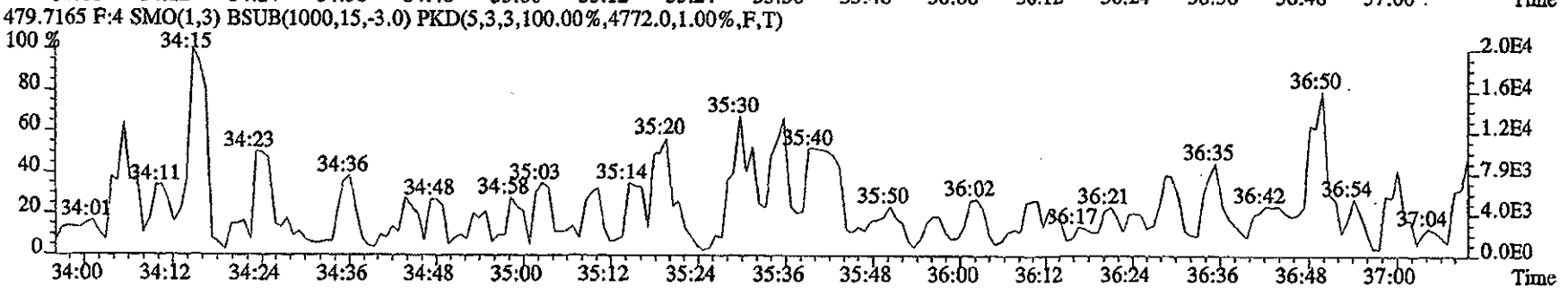


File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

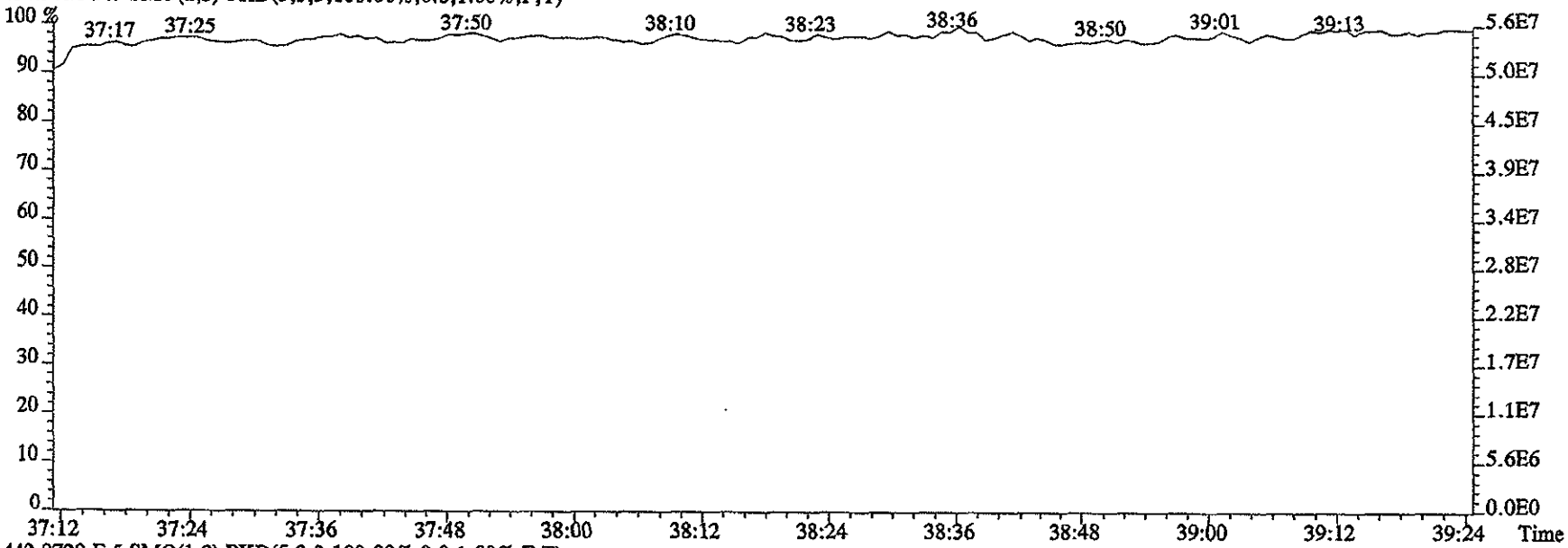




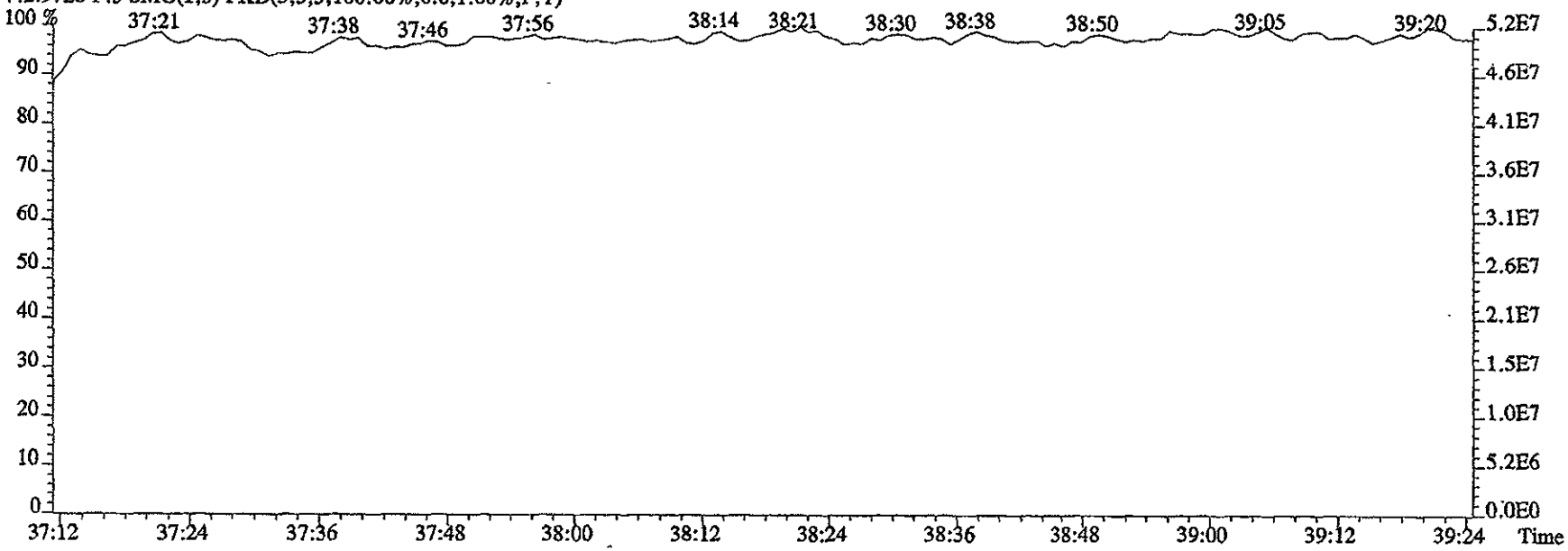




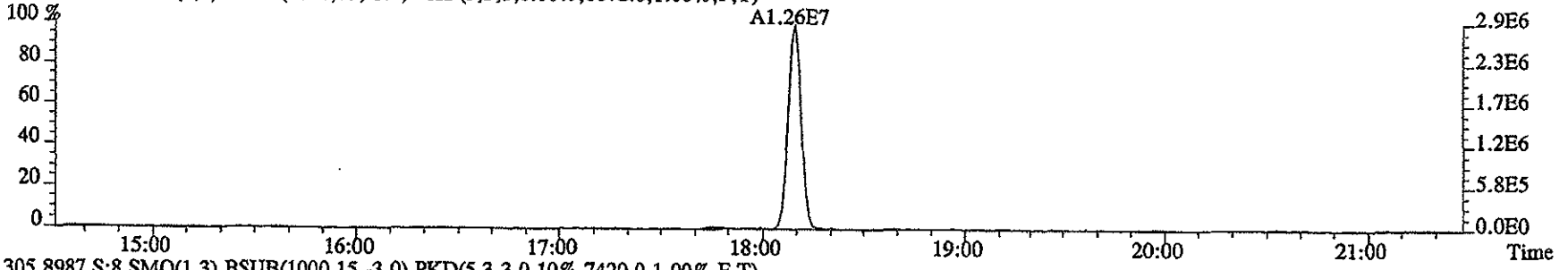
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



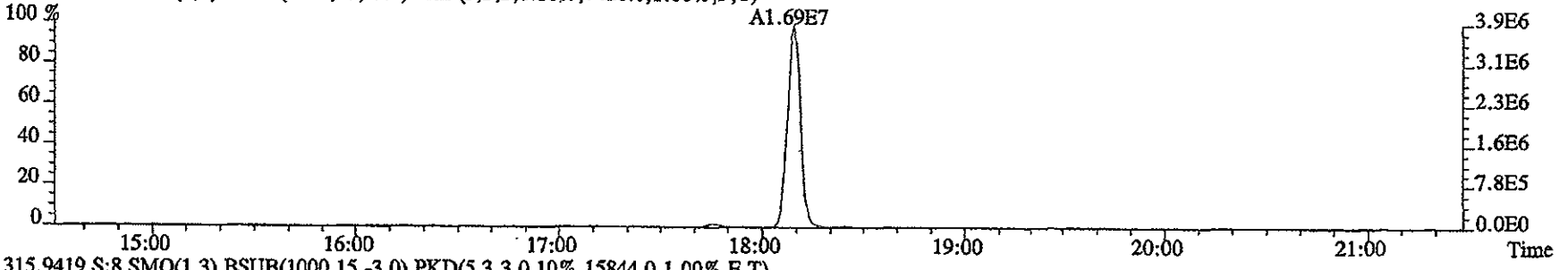
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



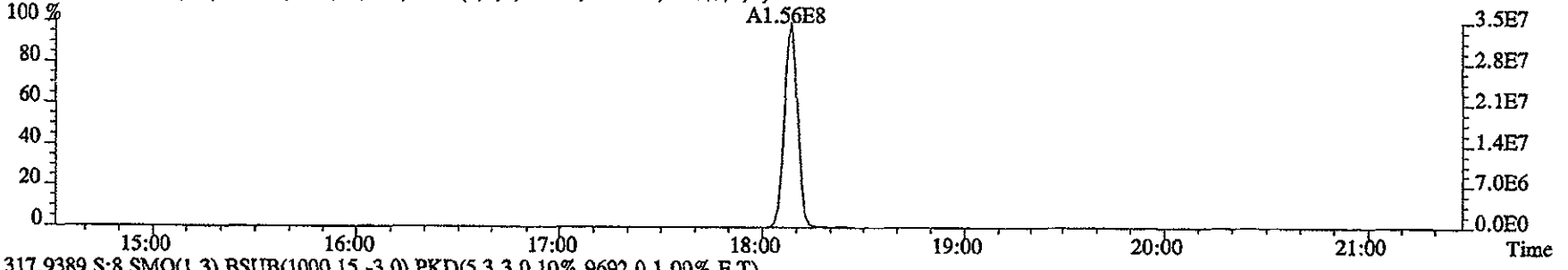
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6072.0,1.00%,F,T)



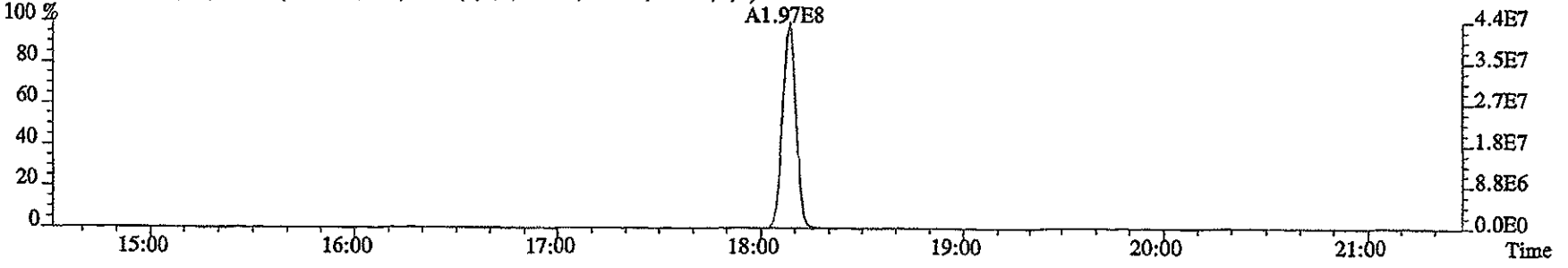
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7420.0,1.00%,F,T)

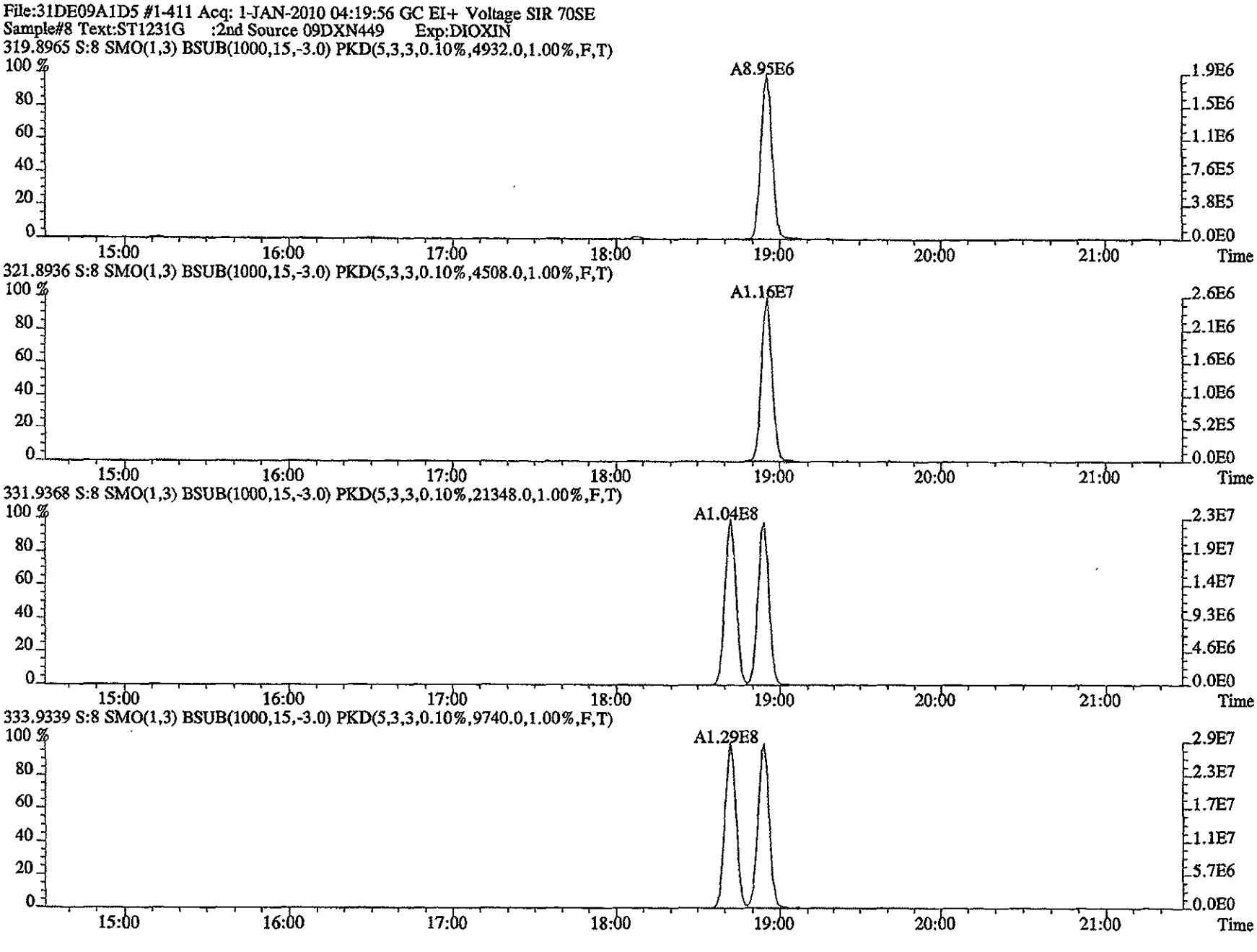


315.9419 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15844.0,1.00%,F,T)

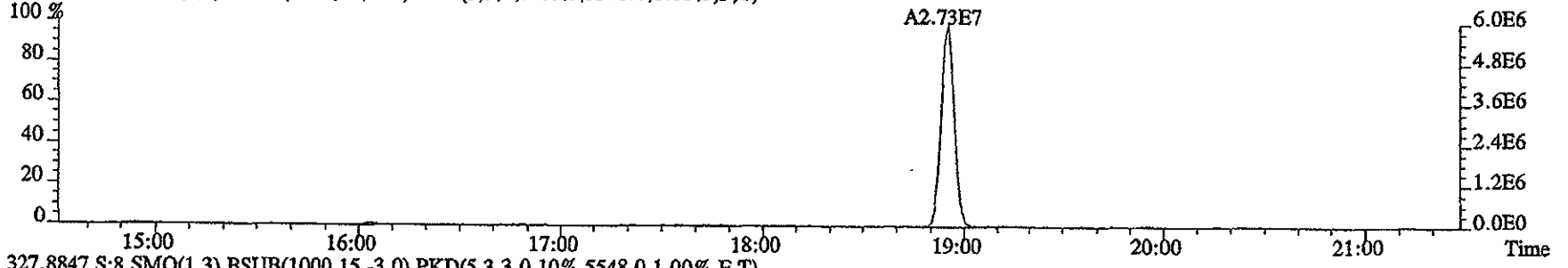


317.9389 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9692.0,1.00%,F,T)

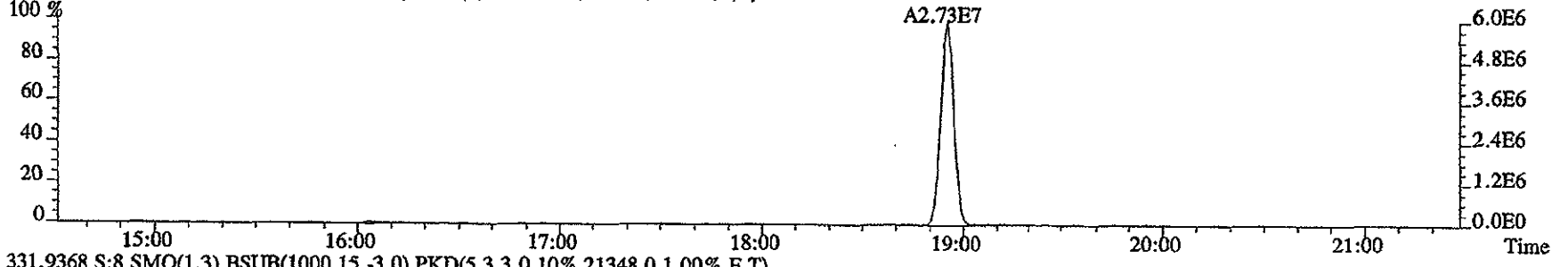




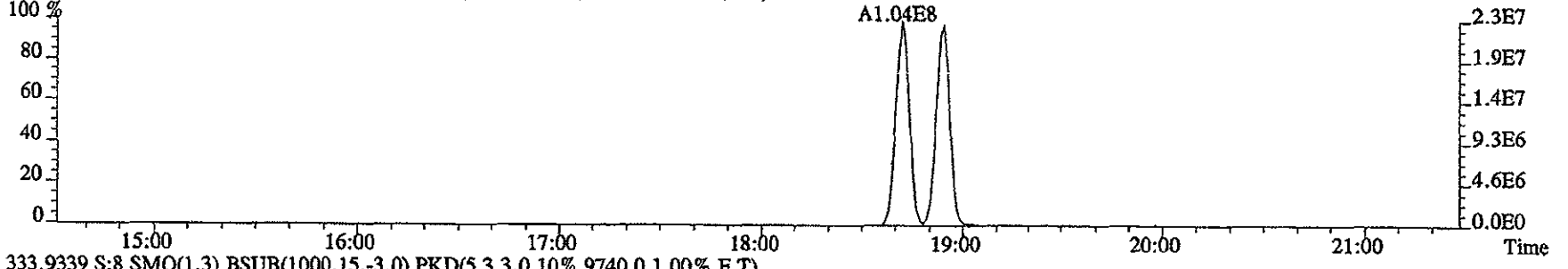
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



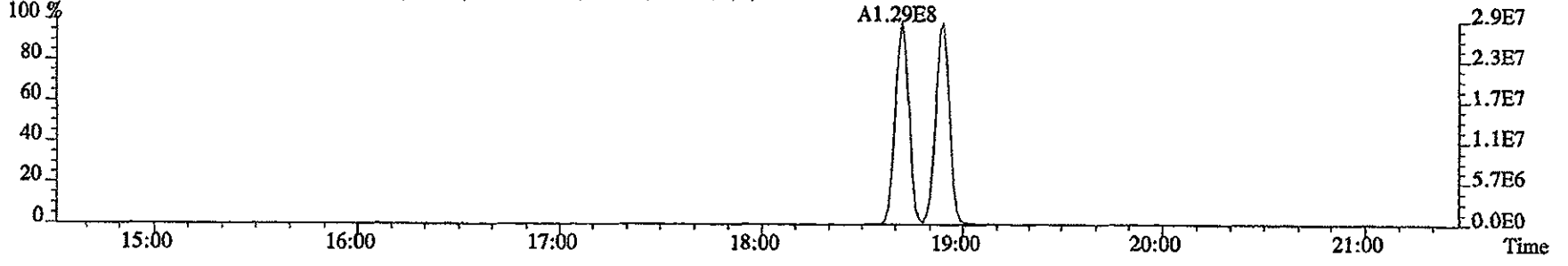
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



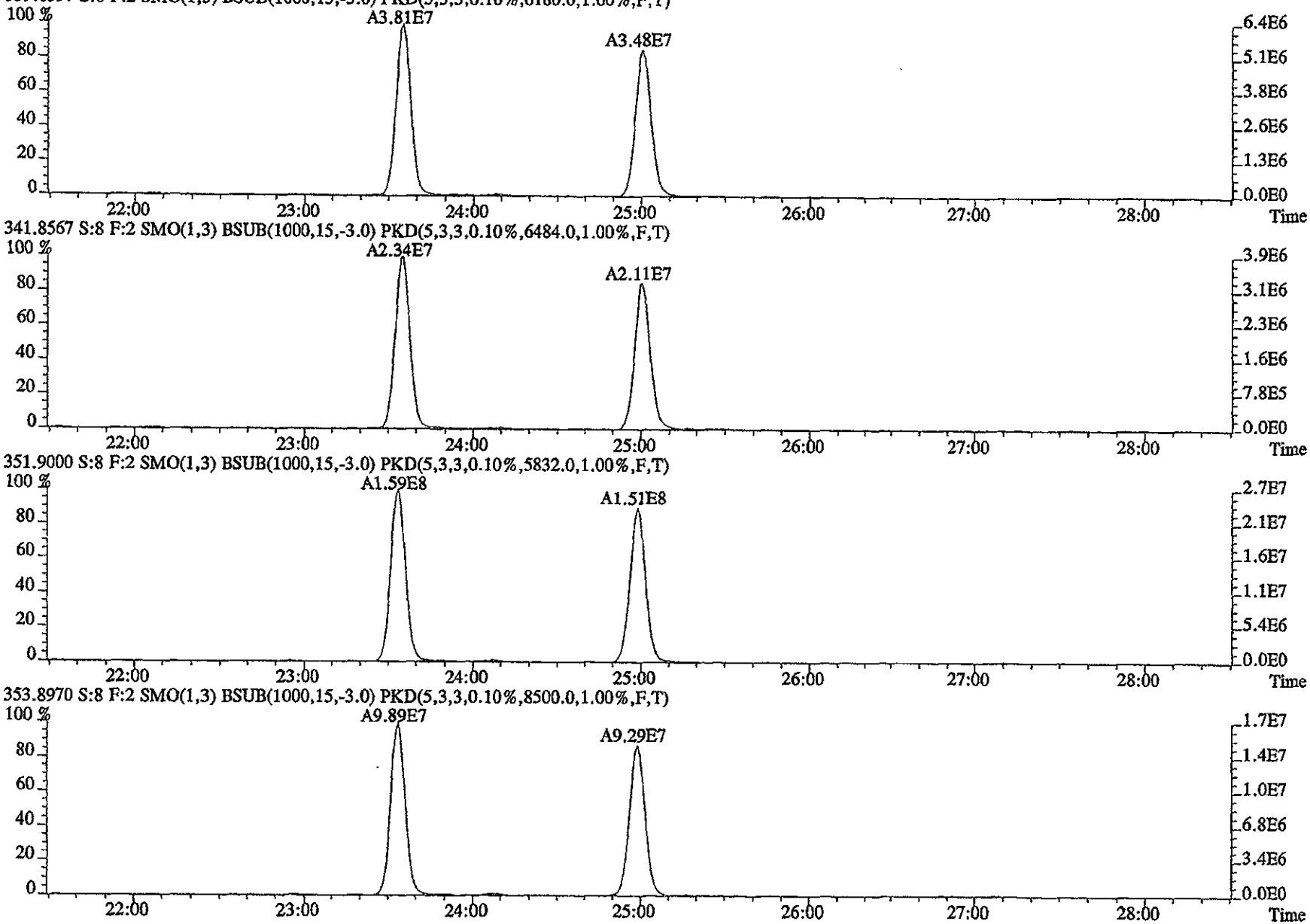
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21348.0,1.00%,F,T)



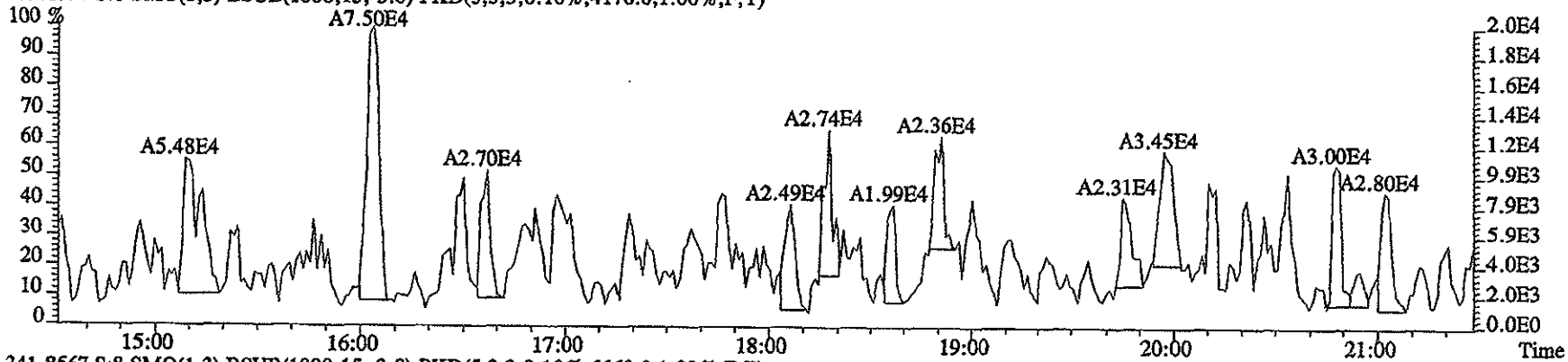
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9740.0,1.00%,F,T)



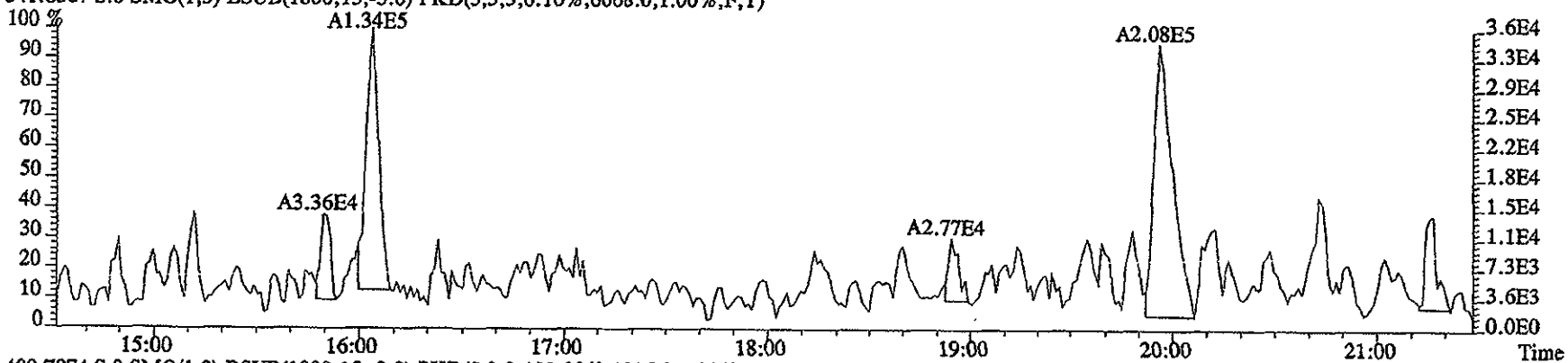
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN



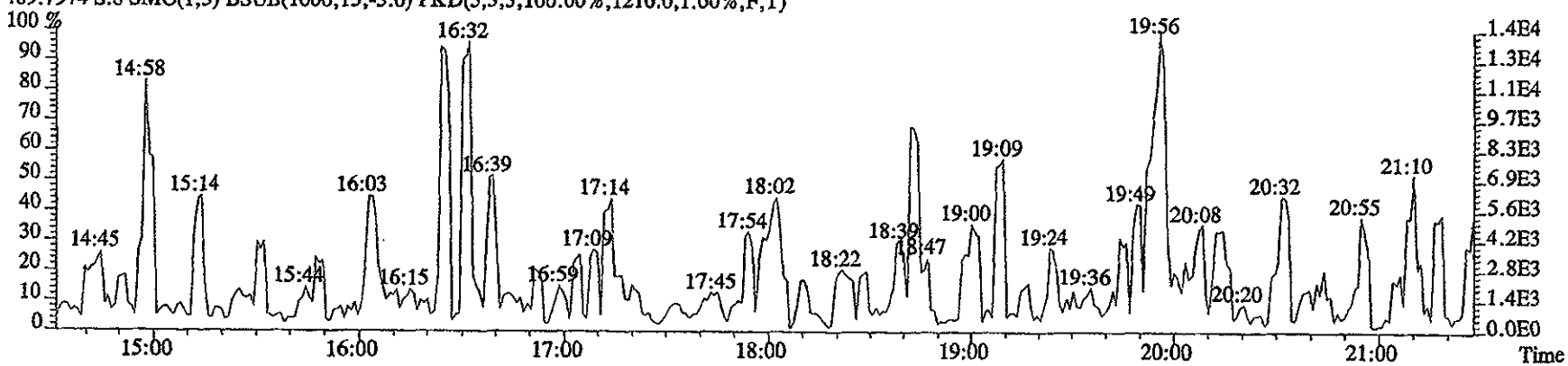
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)



341.8567 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6668.0,1.00%,F,T)

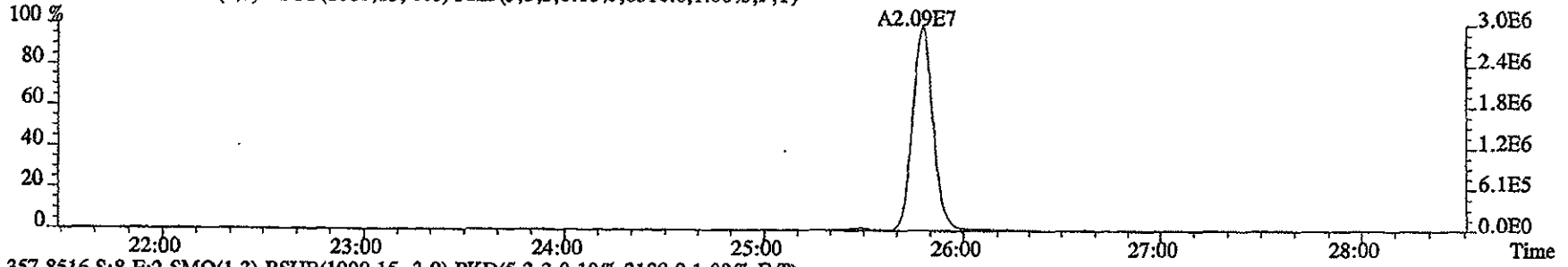


409.7974 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1216.0,1.00%,F,T)

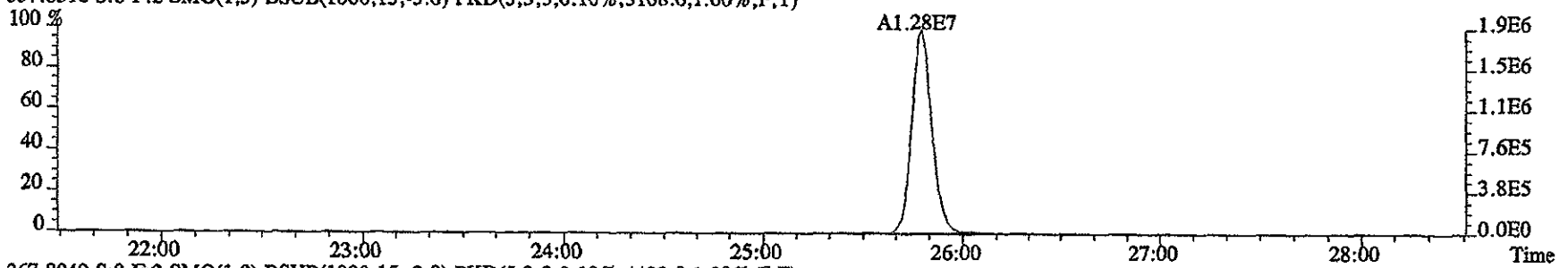


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

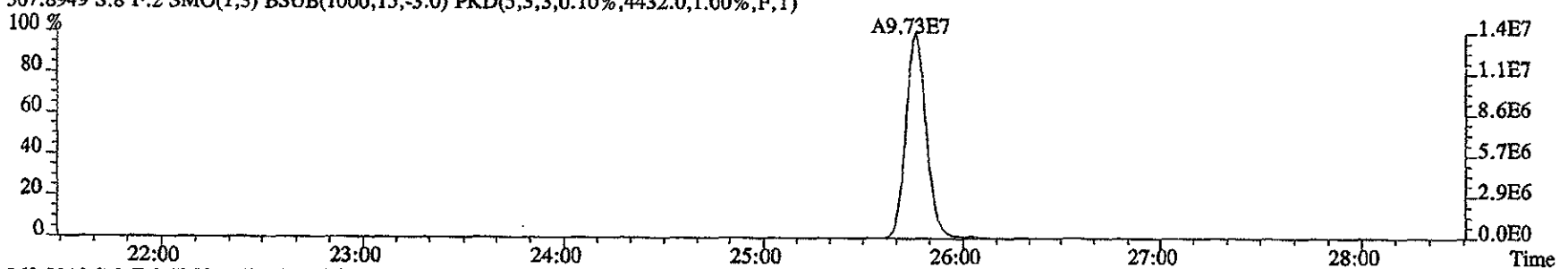
355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6516.0,1.00%,F,T)



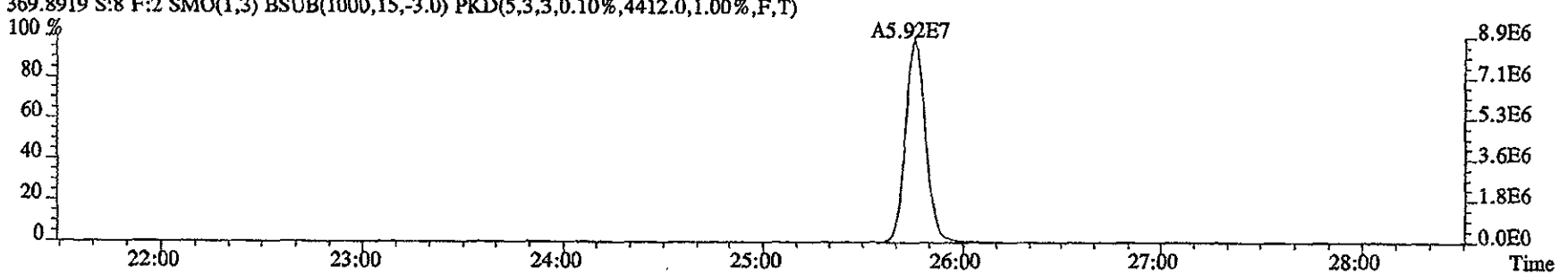
357.8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3108.0,1.00%,F,T)



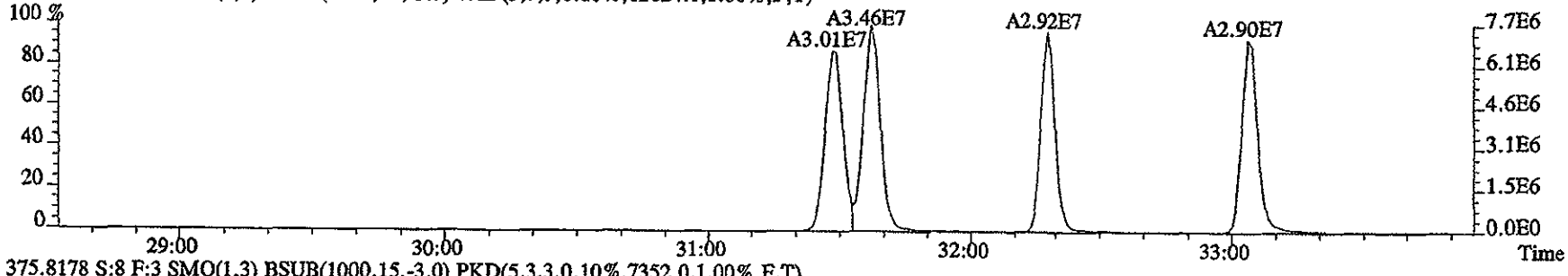
367.8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4432.0,1.00%,F,T)



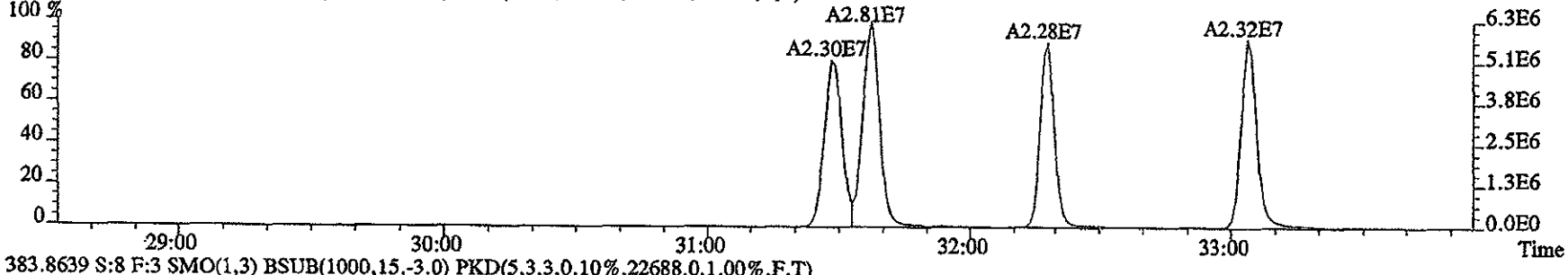
369.8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4412.0,1.00%,F,T)



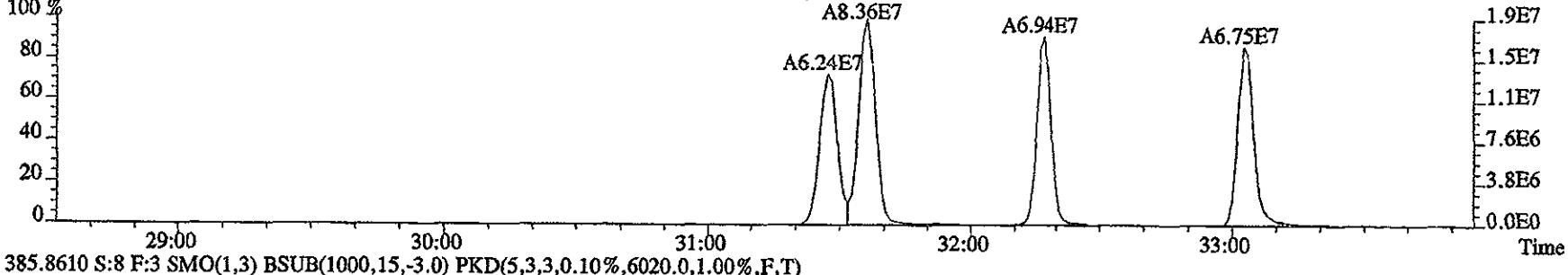
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12624.0,1.00%,F,T)



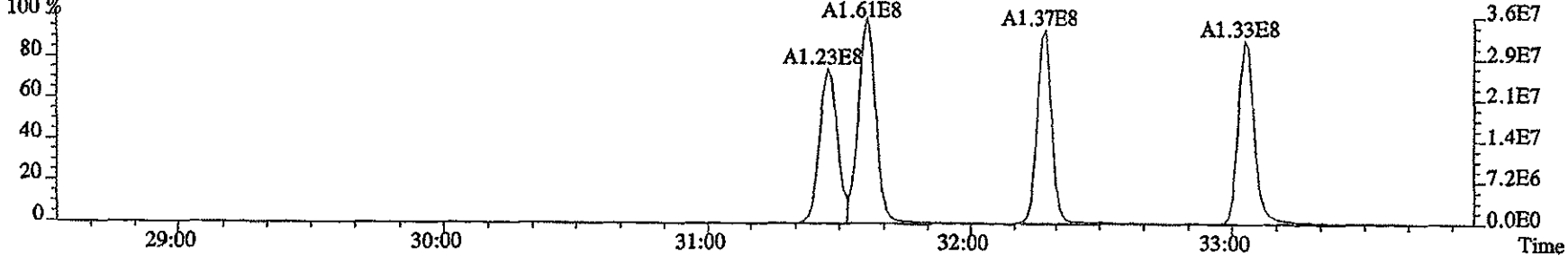
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7352.0,1.00%,F,T)



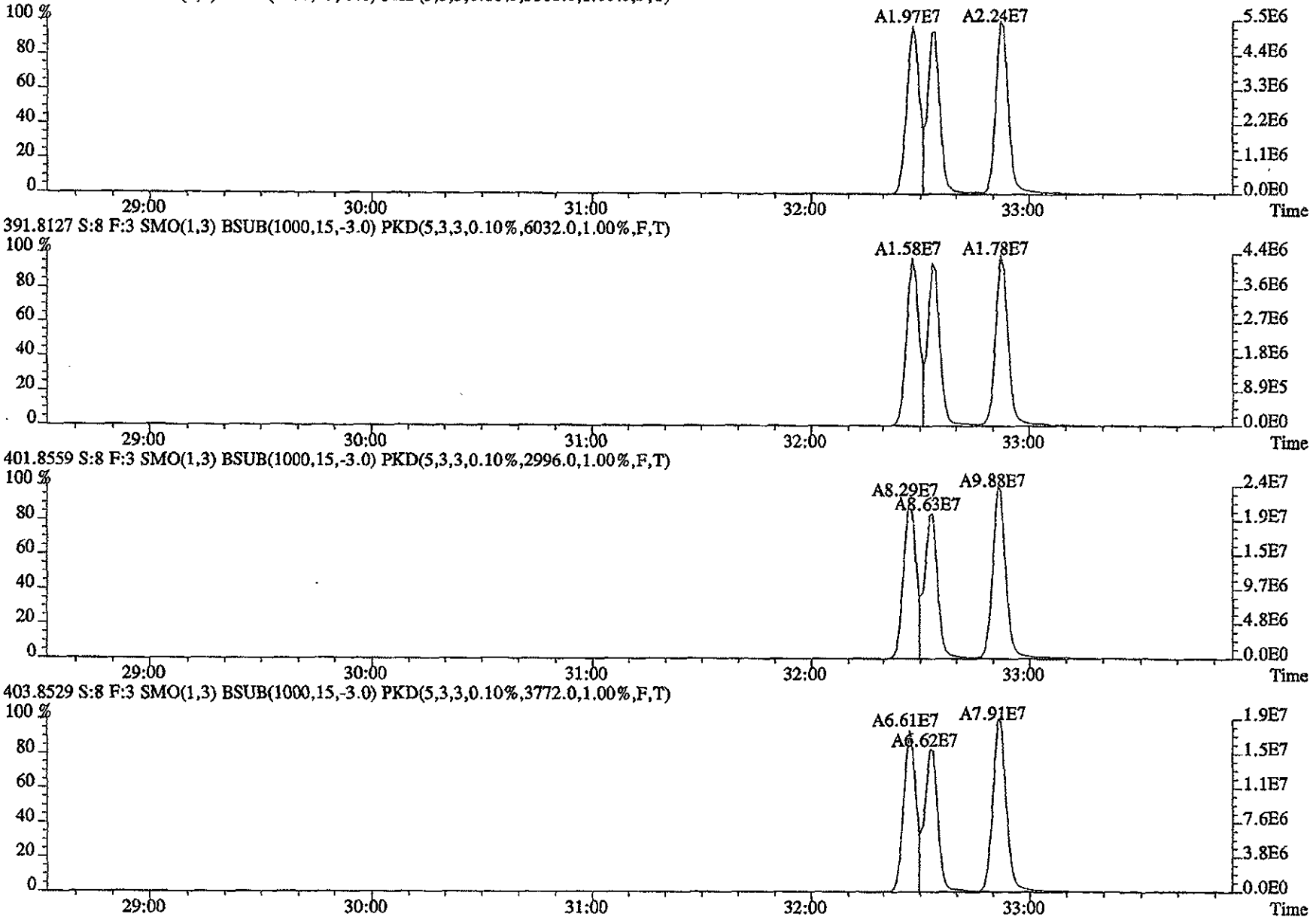
383.8639 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22688.0,1.00%,F,T)

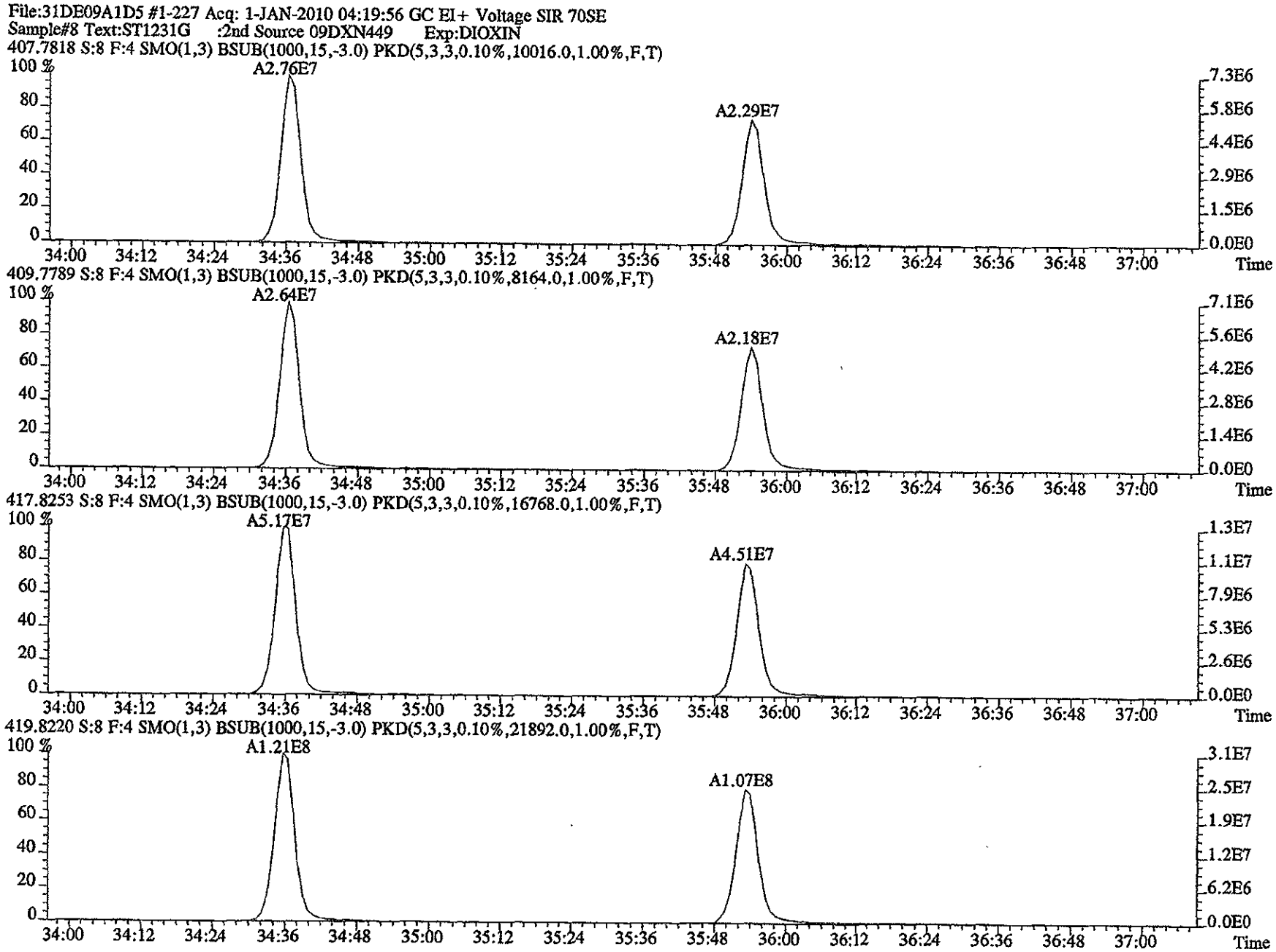


385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6020.0,1.00%,F,T)

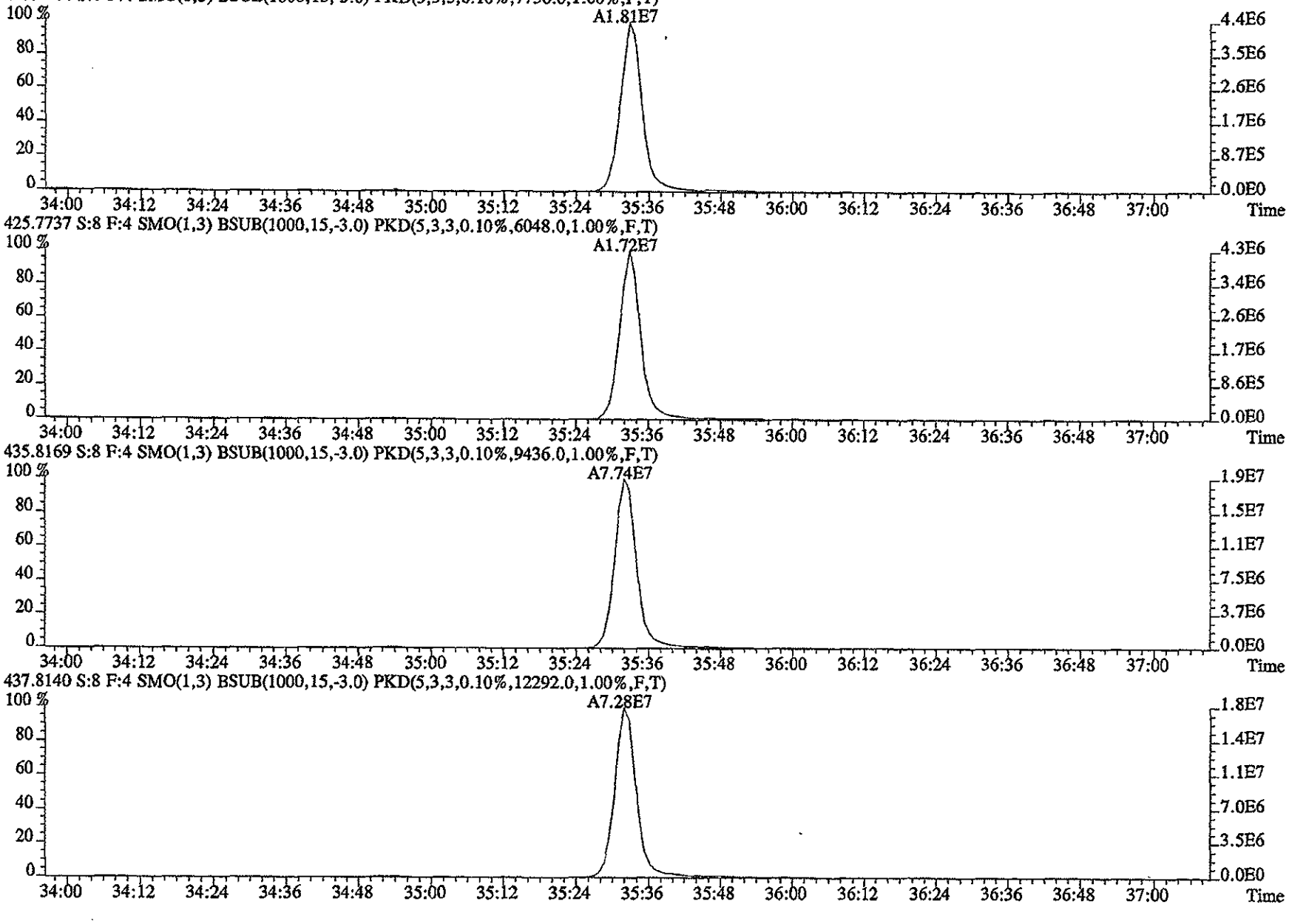


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

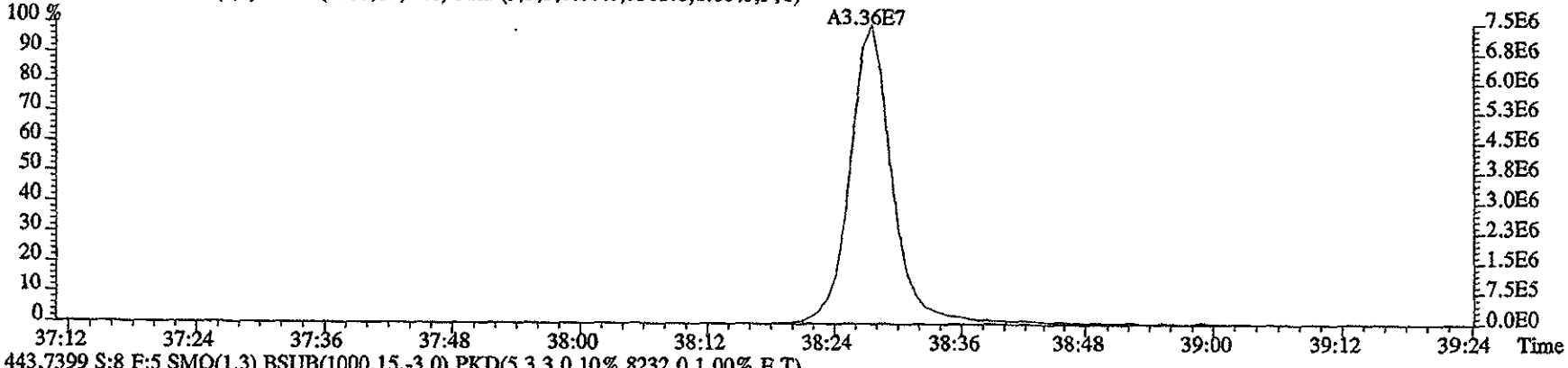




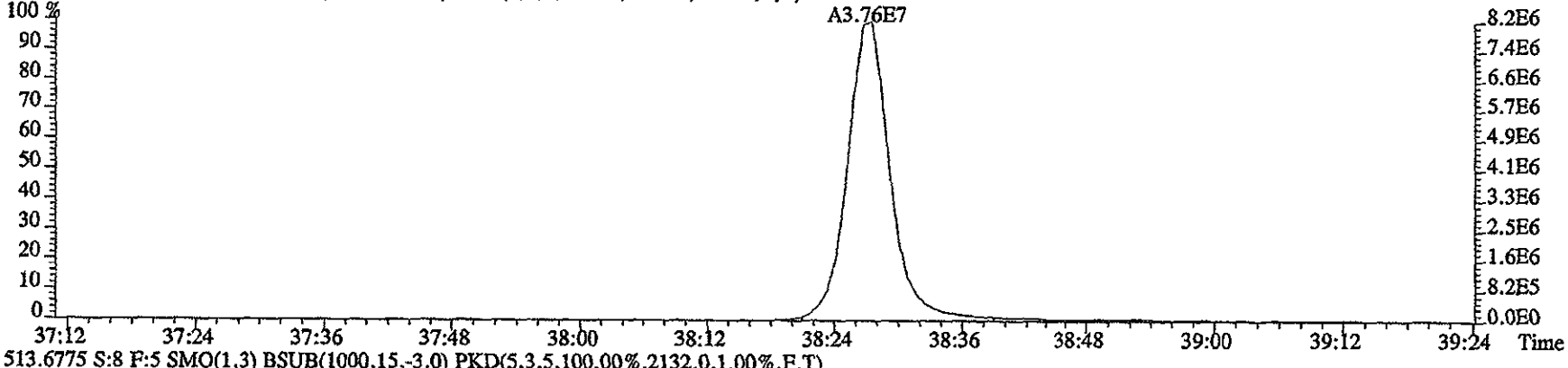
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN



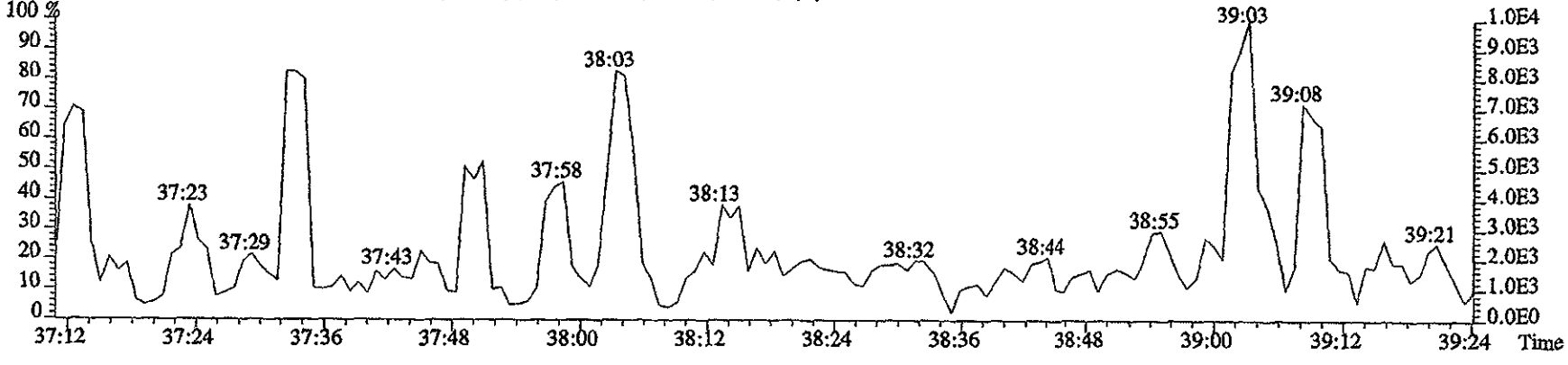
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5508.0,1.00%,F,T)



443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8232.0,1.00%,F,T)

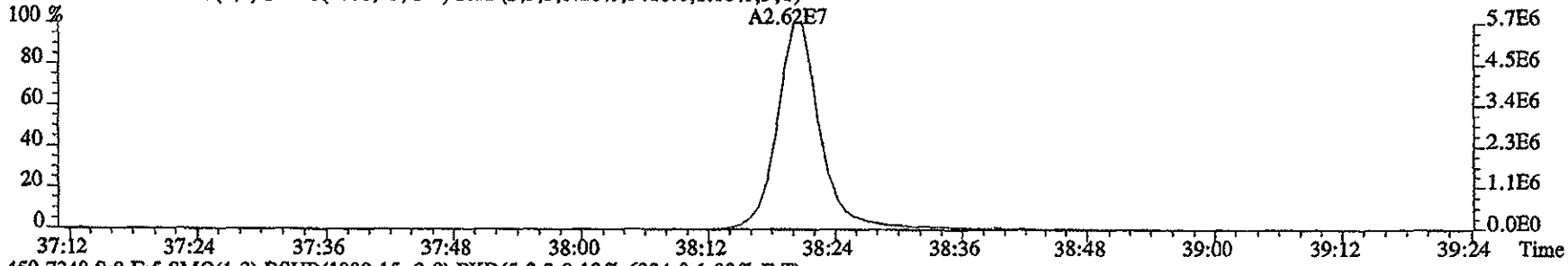


513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2132.0,1.00%,F,T)

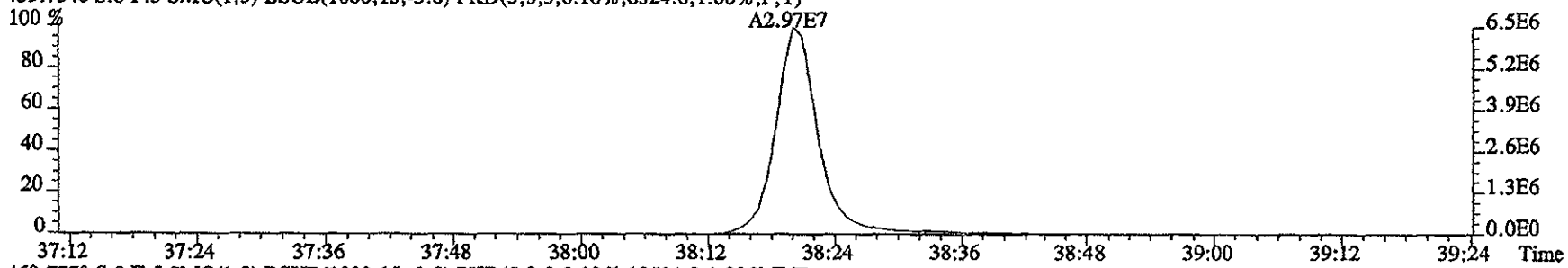


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

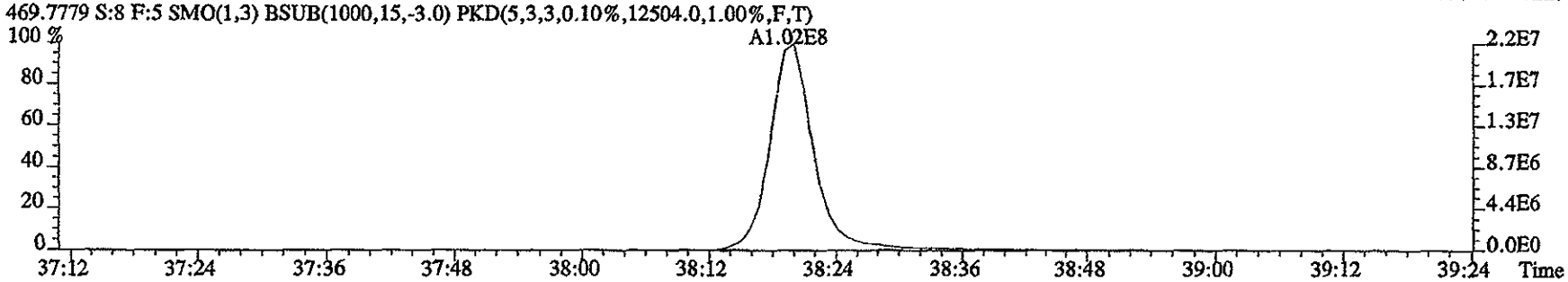
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5416.0,1.00%,F,T)



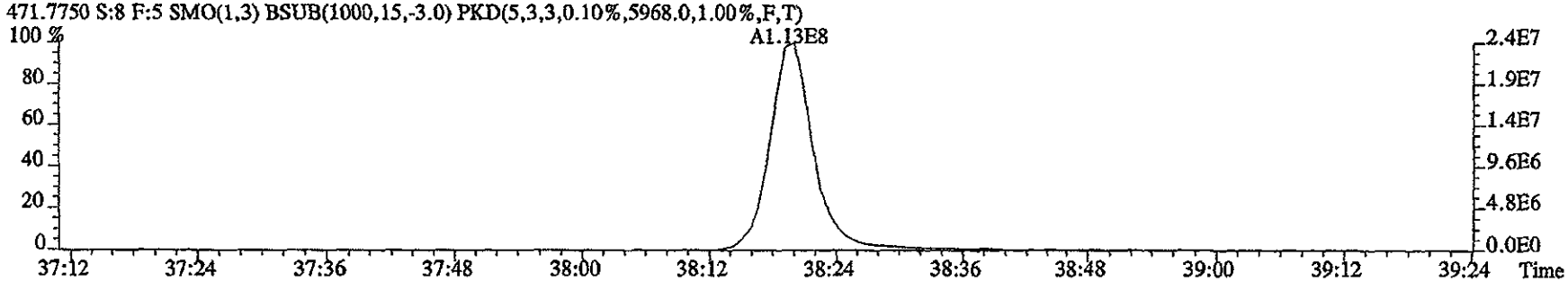
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6324.0,1.00%,F,T)



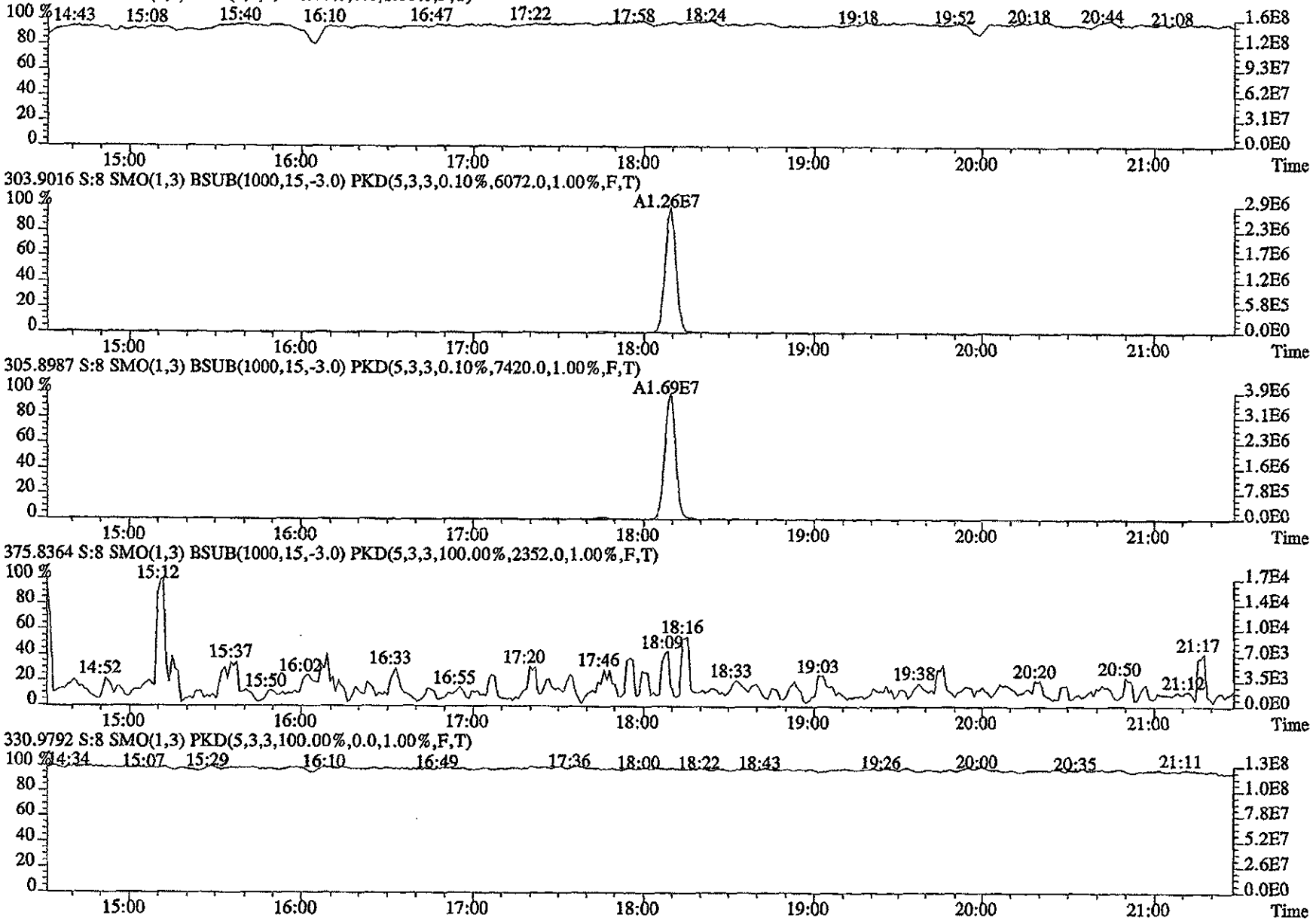
469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12504.0,1.00%,F,T)

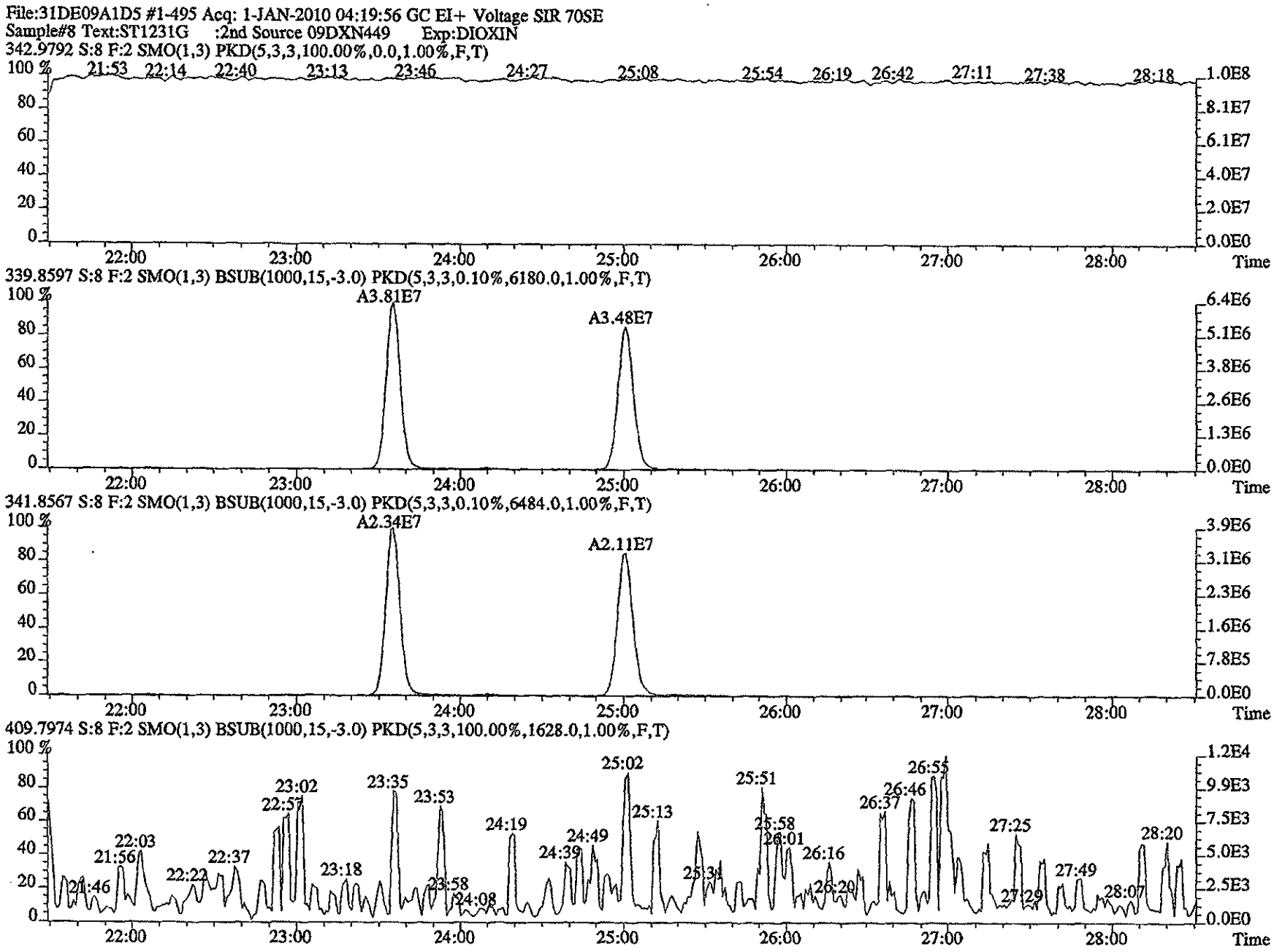


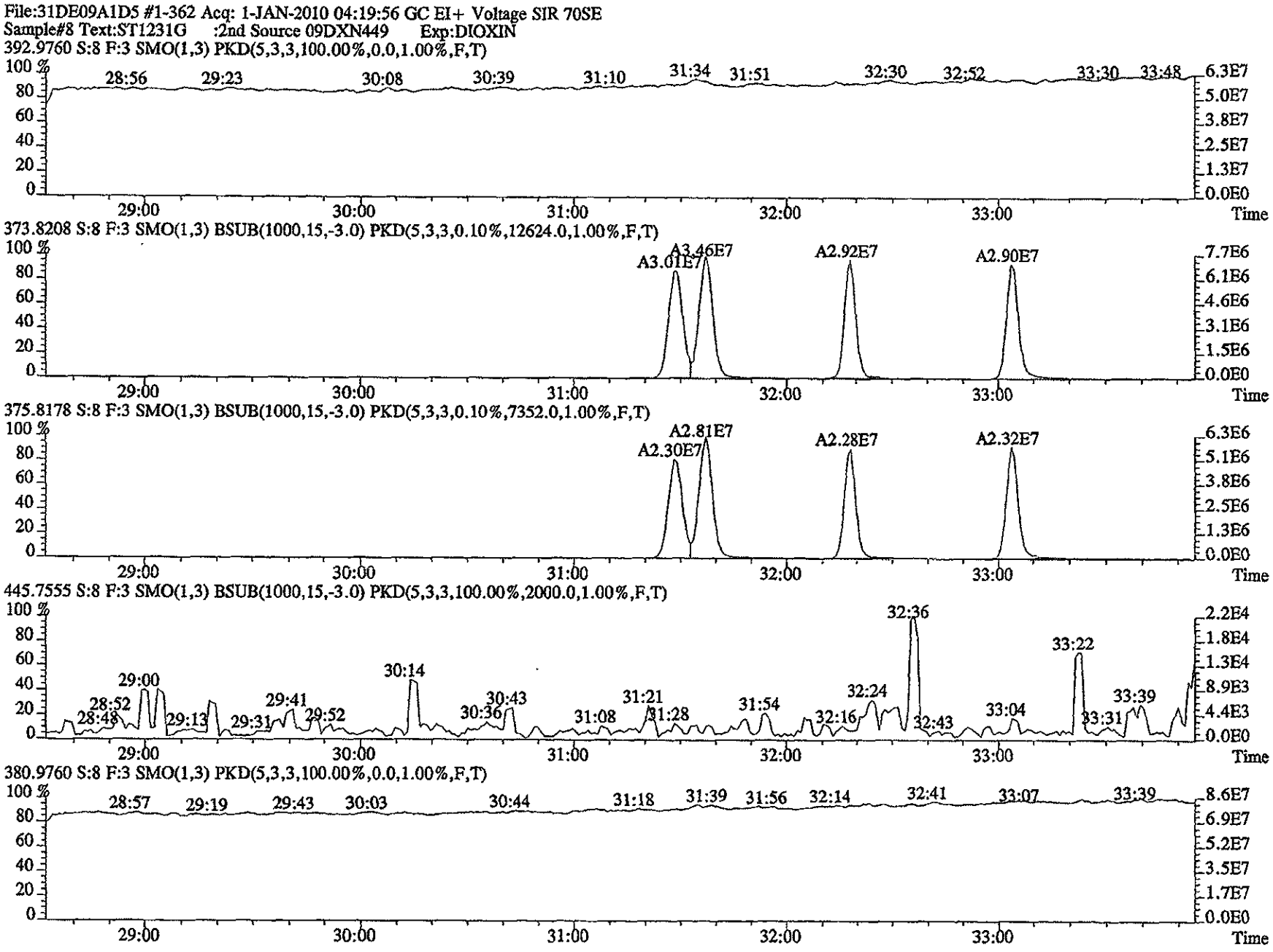
471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5968.0,1.00%,F,T)

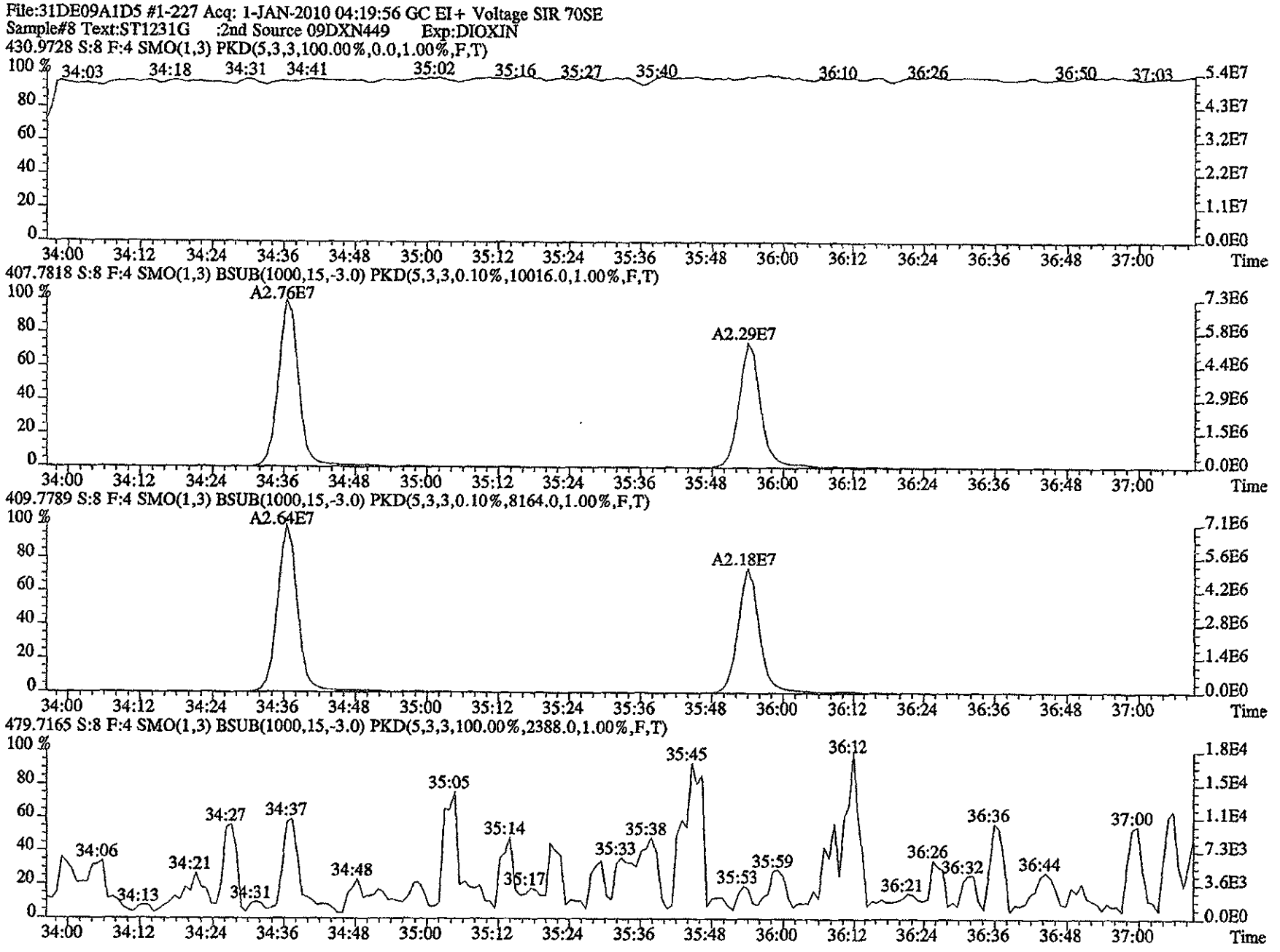


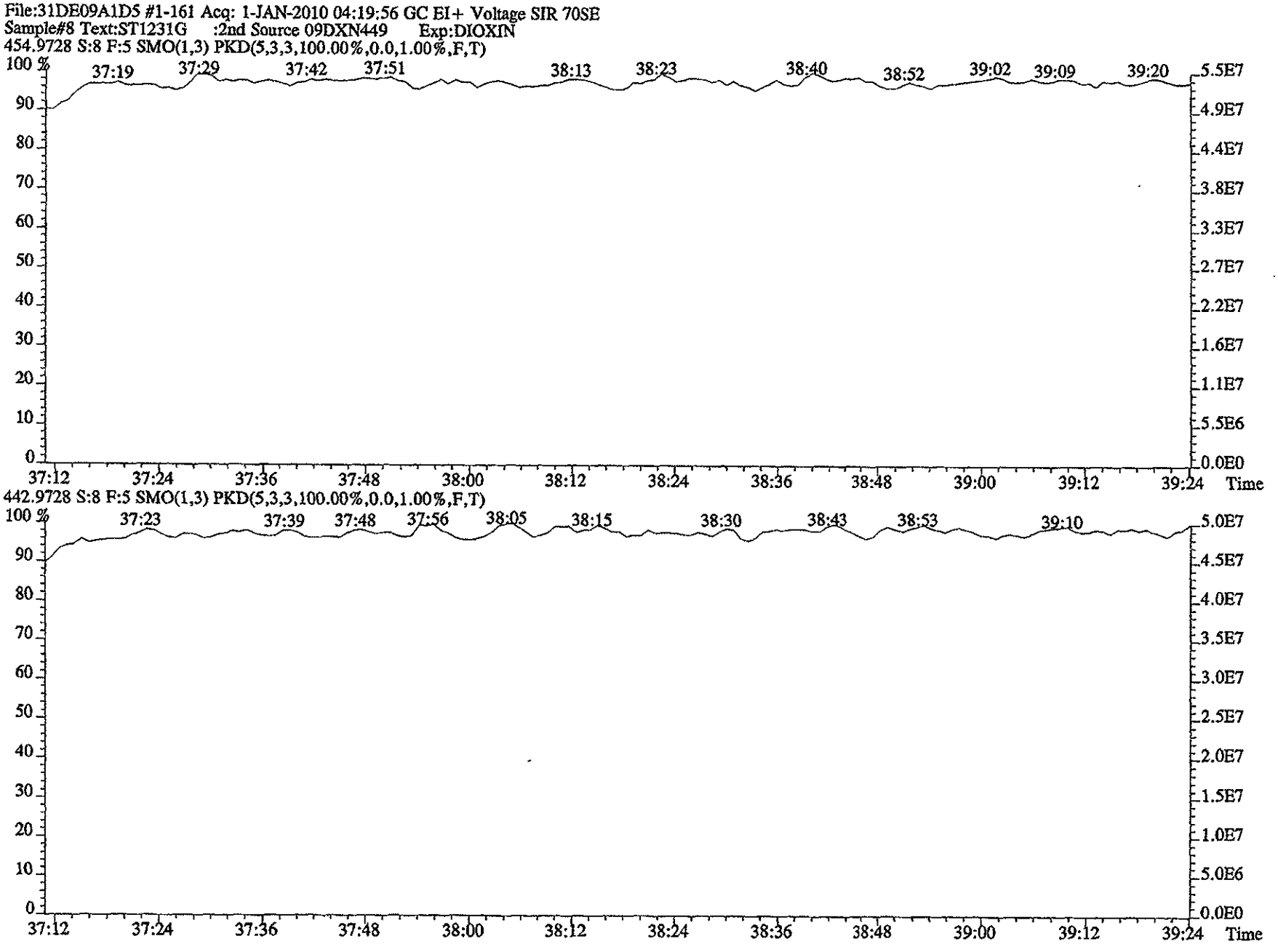
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN




File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6180.0,1.00%,F,T)
A3.81E7
A3.48E7
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)
A2.34E7
A2.11E7
409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1628.0,1.00%,F,T)
Time


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12624.0,1.00%,F,T)
A3.01E7
A3.46E7
A2.92E7
A2.90E7
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7352.0,1.00%,F,T)
A2.30E7
A2.81E7
A2.28E7
A2.32E7
445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2000.0,1.00%,F,T)
380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time





Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290A) 051110 4D5

Method ID 8290, 8290A

Date Scanned _____

Column ID DB5

Instrument ID 4D5

STD ID's STO511A, STO511B, STO511D, STO511H, STO511I

STD Solution (10DXN) - 126, 125, 124, (09DXN) - 456, 426

GC Program OCDD

Multiplier Setting 410 kv

Analyzed By KSS, KT, AM

Date Analyzed 5/11/10

Prepared By KSS

Date Prepared 5/12/10

Reviewed By RJ

Date Reviewed 5/12/10

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	5-13-10 KSS ~~N/A~~ ✓(SS)	✓ RH 5/13/10

COMMENTS:

2nd source reanalyzed - see (11MY10B4D5) STO511L MH 5/13/10

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 11MY10A4D5I╗ Analyte: 8290A Cal: 8290A0511104D5

ST0511A :CS-3 10DXN126 ST0511B :CS-2 10DXN125 ST0511D :CS-1 10DXN124 RI
ST0511H :CS-5 09DXN456 ST0511I :CS-4 09DXN426

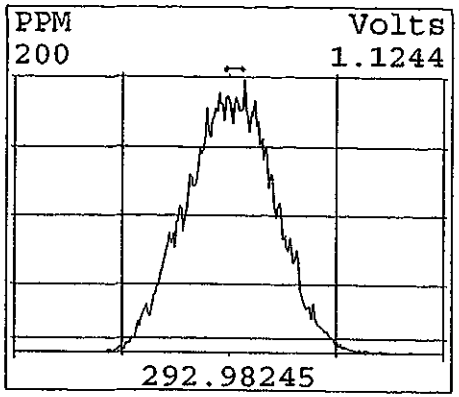
Name	Mean	S. D.	%RSD	11MY10A4D5 S3 RRF1	11MY10A4D5 S4 RRF2	11MY10A4D5 S6 RRF3	11MY10A4D5 S10 RRF4	11MY10A4D5 S11 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.475	0.045	3.04 %	1.46	1.44	1.45	1.55	1.47
2,3,7,8-TCDF	1.017	0.055	5.39 %	1.06	1.01	0.92	1.05	1.05
Total TCDF	1.017	0.055	5.39 %	1.06	1.01	0.92	1.05	1.05
13C-2,3,7,8-TCDD	0.996	0.056	5.58 %	1.02	0.95	0.99	1.08	0.94
2,3,7,8-TCDD	0.991	0.051	5.11 %	1.01	0.98	0.91	1.03	1.02
Total TCDD	0.991	0.051	5.11 %	1.01	0.98	0.91	1.03	1.02
37Cl-2,3,7,8-TCDD	2.241	0.194	8.65 %	2.31	1.99	2.18	2.52	2.20
13C-1,2,3,7,8-PeCDF	1.148	0.083	7.26 %	1.18	1.10	1.10	1.28	1.08
1,2,3,7,8-PeCDF	1.059	0.086	8.12 %	1.12	1.04	0.92	1.08	1.13
2,3,4,7,8-PeCDF	1.012	0.081	8.00 %	1.06	1.02	0.87	1.04	1.07
Total F2 PeCDF	1.035	0.083	8.03 %	1.09	1.03	0.89	1.06	1.10
Total F1 PeCDF	1.035	0.083	8.03 %	1.09	1.03	0.89	1.06	1.10
13C-1,2,3,7,8-PeCDD	0.736	0.059	8.00 %	0.75	0.71	0.70	0.83	0.69
1,2,3,7,8-PeCDD	1.000	0.095	9.53 %	1.07	1.00	0.84	1.02	1.07
Total PeCDD	1.000	0.095	9.53 %	1.07	1.00	0.84	1.02	1.07
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.931	0.016	1.67 %	0.93	0.93	0.95	0.94	0.91
1,2,3,4,7,8-HxCDF	1.270	0.090	7.11 %	1.34	1.28	1.12	1.28	1.33
1,2,3,6,7,8-HxCDF	1.660	0.152	9.15 %	1.89	1.62	1.46	1.68	1.65
2,3,4,6,7,8-HxCDF	1.433	0.174	12.2 %	1.63	1.44	1.16	1.52	1.42
1,2,3,7,8,9-HxCDF	1.253	0.139	11.1 %	1.38	1.23	1.03	1.35	1.28
Total HxCDF	1.404	0.135	9.60 %	1.56	1.39	1.19	1.46	1.42
13C-1,2,3,6,7,8-HxCDD	0.884	0.024	2.70 %	0.89	0.89	0.91	0.88	0.85
1,2,3,4,7,8-HxCDD	0.835	0.100	12.0 %	0.94	0.79	0.68	0.89	0.87

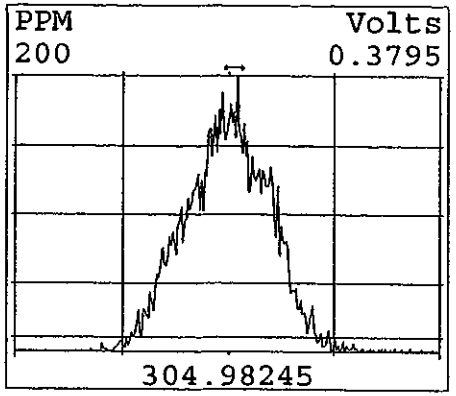
1,2,3,6,7,8-HxCDD	1.155	0.087	7.50 %	1.21	1.16	1.00	1.21	1.20
1,2,3,7,8,9-HxCDD	1.167	0.159	13.6 %	1.31	1.15	0.90	1.24	1.24
Total HxCDD	1.052	0.114	10.9 %	1.15	1.03	0.86	1.11	1.11
13C-1,2,3,4,6,7,8-HpCDF	0.866	0.033	3.79 %	0.90	0.85	0.86	0.90	0.82
1,2,3,4,6,7,8-HpCDF	1.344	0.119	8.86 %	1.44	1.35	1.14	1.37	1.41
1,2,3,4,7,8,9-HpCDF	1.106	0.113	10.2 %	1.17	1.11	0.91	1.16	1.18
Total HpCDF	1.225	0.116	9.44 %	1.31	1.23	1.02	1.26	1.30
13C-1,2,3,4,6,7,8-HpCDD	0.734	0.032	4.32 %	0.76	0.73	0.70	0.77	0.71
1,2,3,4,6,7,8-HpCDD	1.044	0.093	8.91 %	1.12	1.04	0.89	1.08	1.10
Total HpCDD	1.044	0.093	8.91 %	1.12	1.04	0.89	1.08	1.10
13C-OCDD	0.519	0.045	8.61 %	0.54	0.52	0.47	0.58	0.49
OCDF	1.544	0.137	8.84 %	1.66	1.50	1.33	1.59	1.64
OCDD	1.146	0.109	9.54 %	1.23	1.15	0.96	1.17	1.22

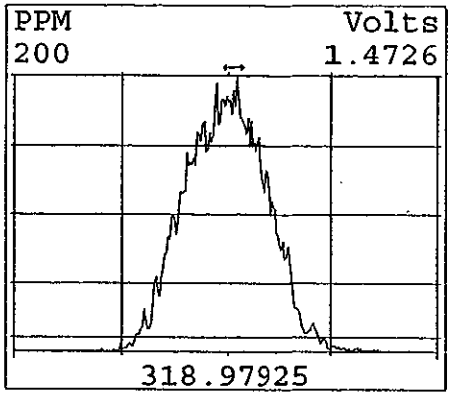
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
11MY10A4D5	1	ST0511	CS-3 10DXN126				1.00000	
11MY10A4D5	2	CP0511	DB-5 CPSM 3732-05				1.00000	
11MY10A4D5	3	ST0511A	CS-3 10DXN126				1.00000	
11MY10A4D5	4	ST0511B	CS-2 10DXN125				1.00000	
11MY10A4D5	5	ST0511C	CS-1 10DXN124 (Not used) - TCDD out of ratio				1.00000	
11MY10A4D5	6	ST0511D	CS-1 10DXN124 RI				1.00000	
11MY10A4D5	7	ST0511E	CS-5 10DXN128 } (NOT USED) mis-spiked CRS.				1.00000	
11MY10A4D5	8	ST0511F	CS-4 10DXN127 }				1.00000	
11MY10A4D5	9	ST0511G	2nd Source 09DXN449 -- needs RI as not acquired after ICAL established RH 5/12/10				1.00000	
11MY10A4D5	10	ST0511H	CS-5 09DXN456				1.00000	
11MY10A4D5	11	ST0511I	CS-4 09DXN426				1.00000	
11MY10A4D5	12						1.00000	
11MY10A4D5	13						1.00000	
11MY10A4D5	14						1.00000	
11MY10A4D5	15		KSS, KT, AM 05-11-10				1.00000	

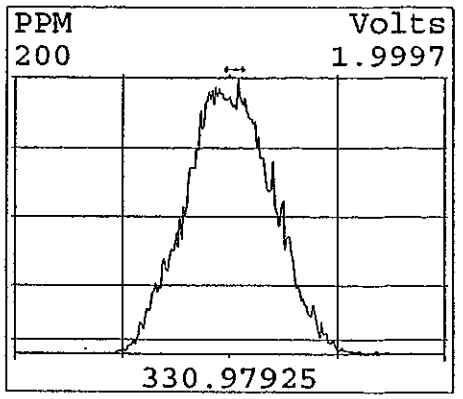
Logfile v'd 5-12-10 KSS

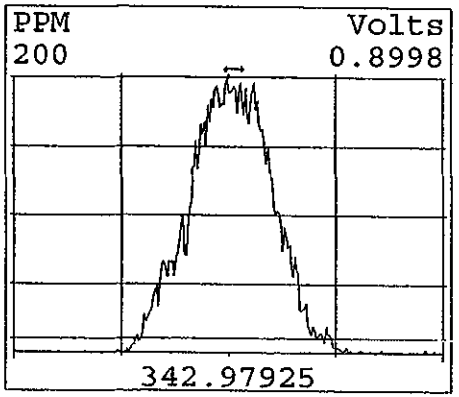
Peak Locate Examination:11-MAY-2010:12:35 File:11MY10A4D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

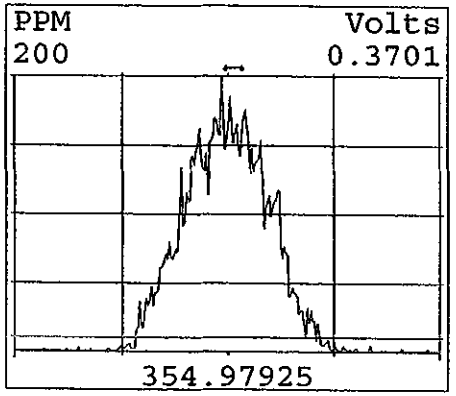


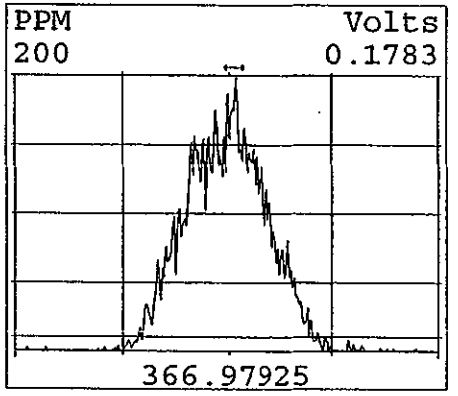


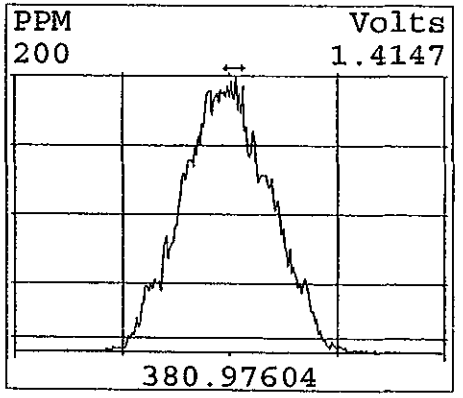


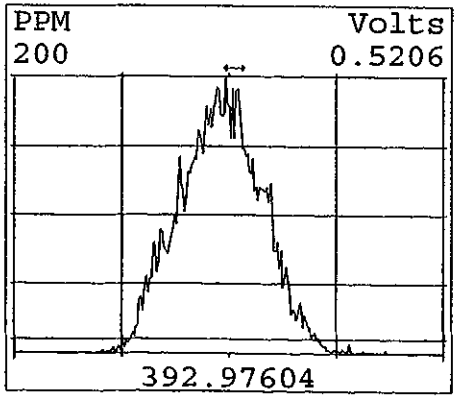


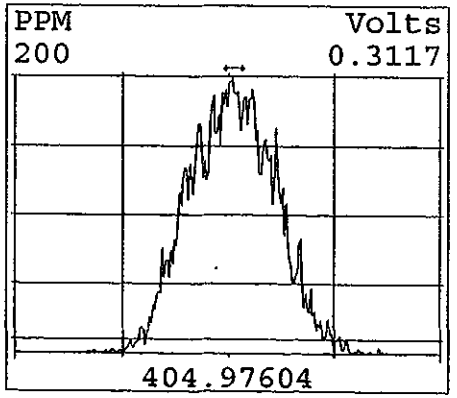


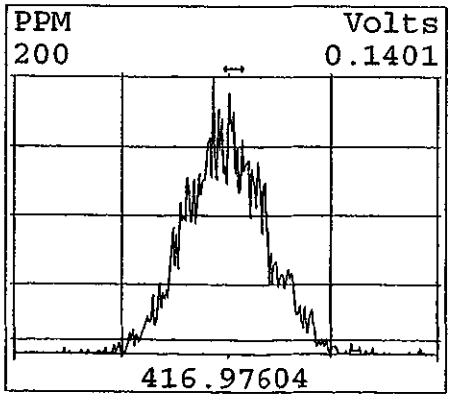




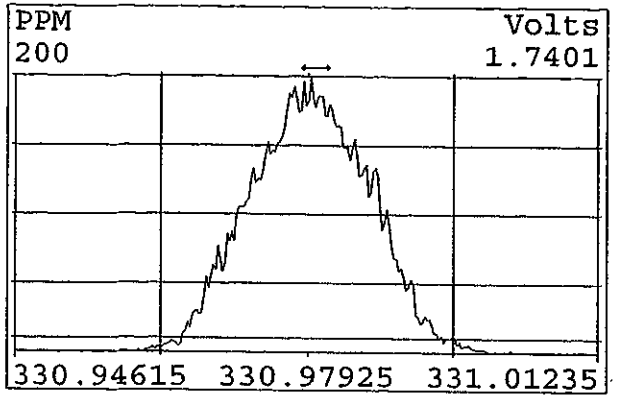


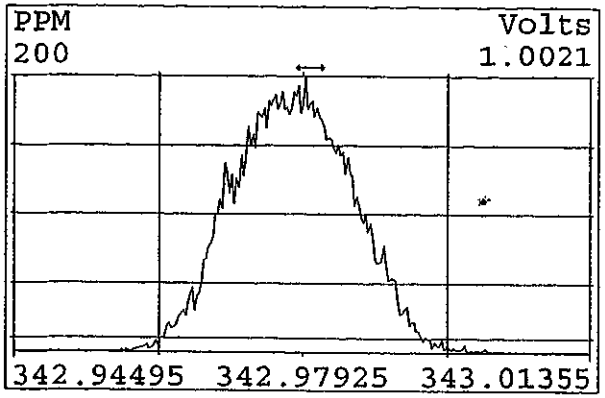


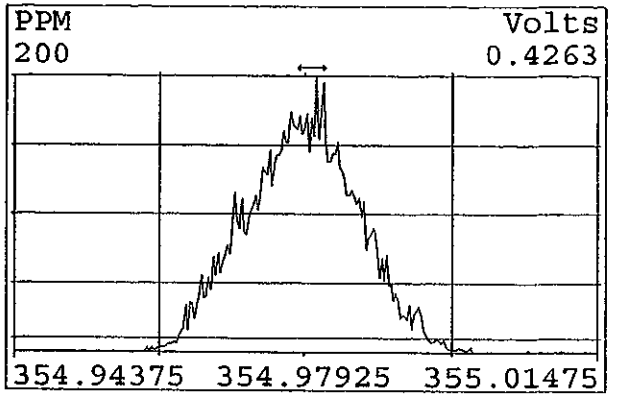


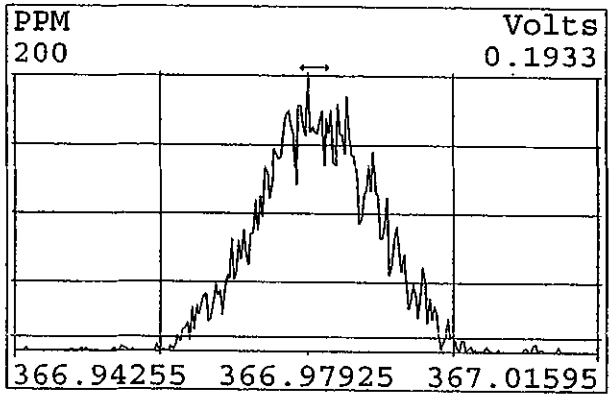


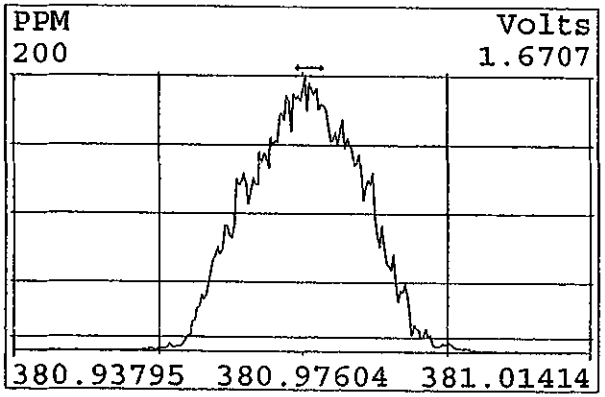
Peak Locate Examination:11-MAY-2010:12:35 File:11MY10A4D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

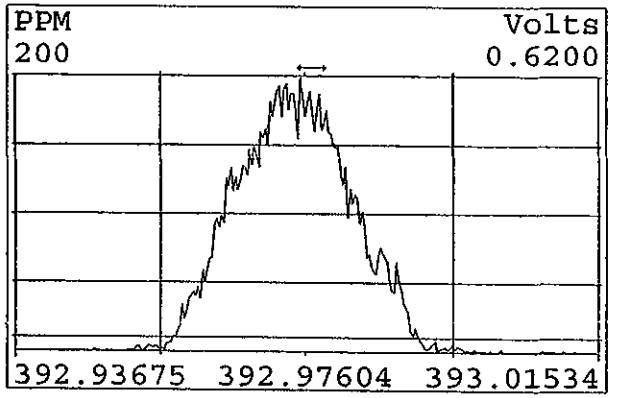


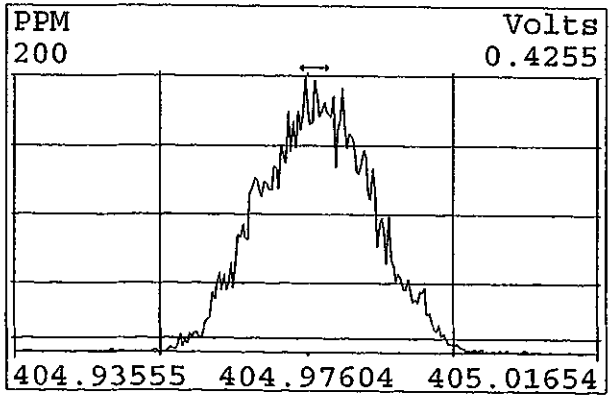


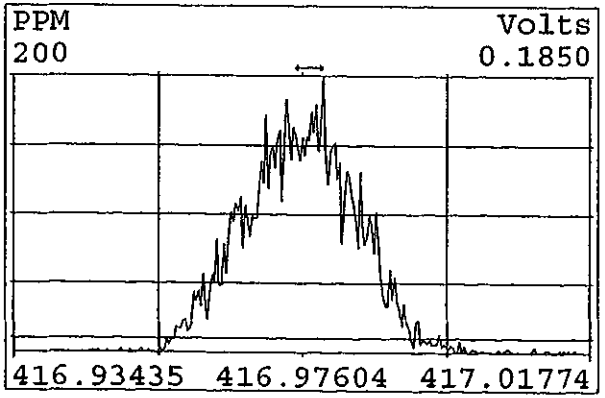




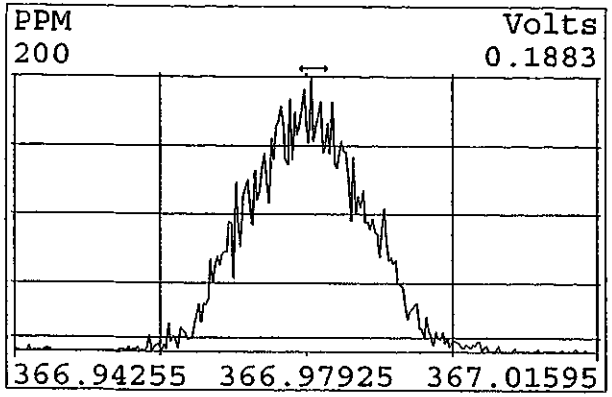


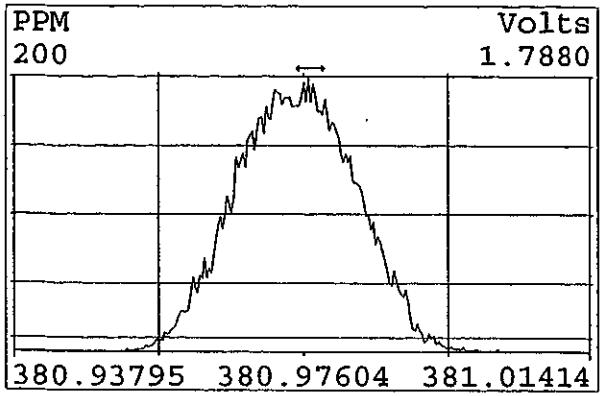


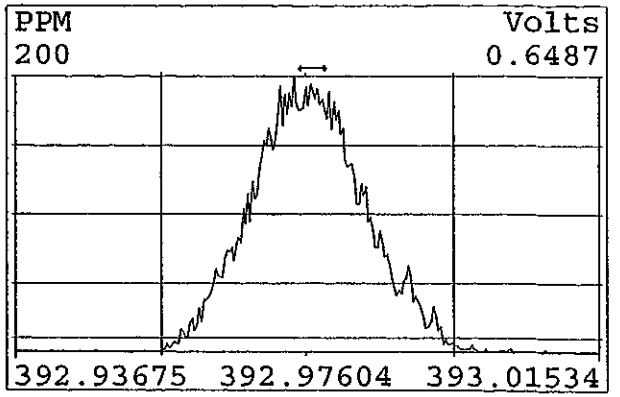


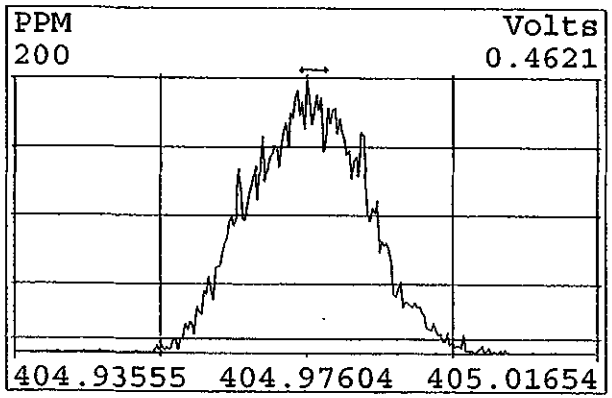


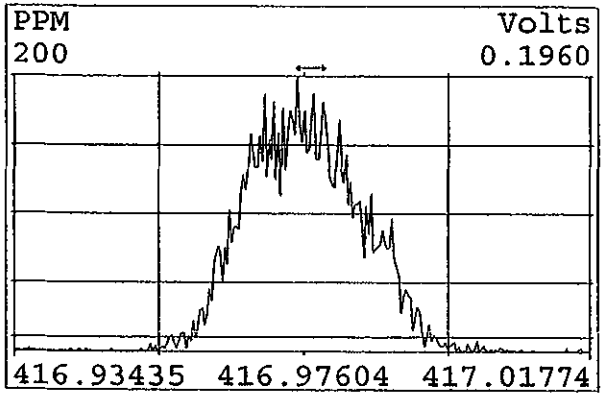
Peak Locate Examination:11-MAY-2010:12:35 File:11MY10A4D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

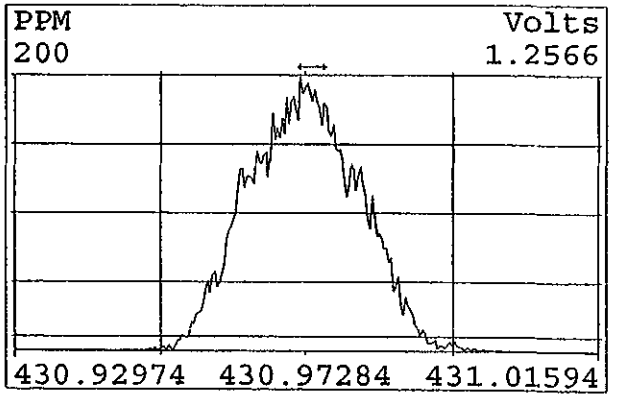


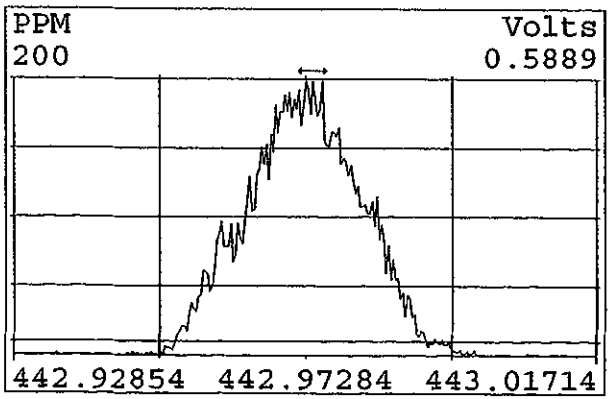


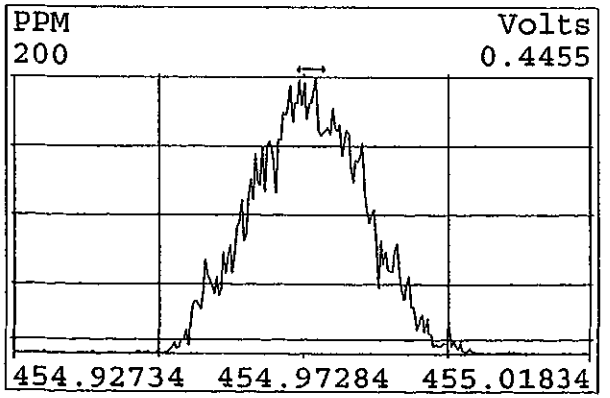




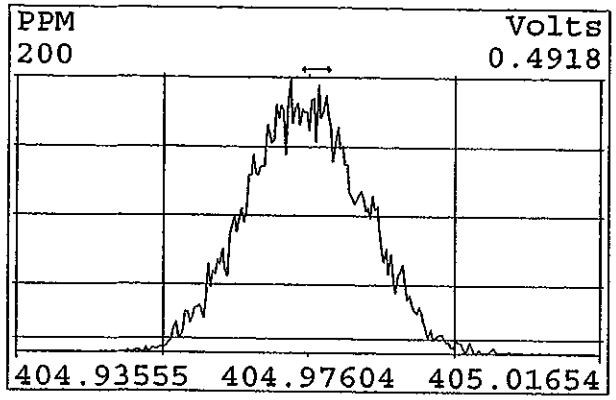


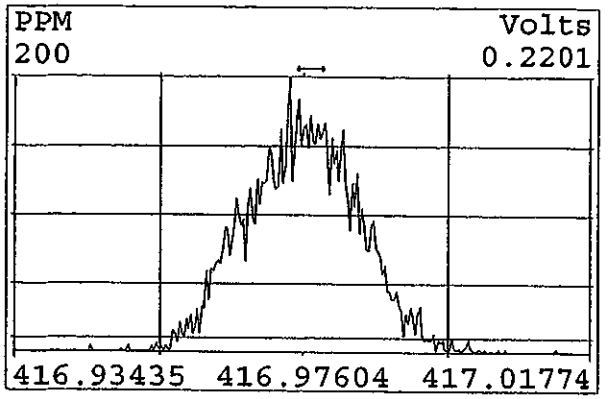


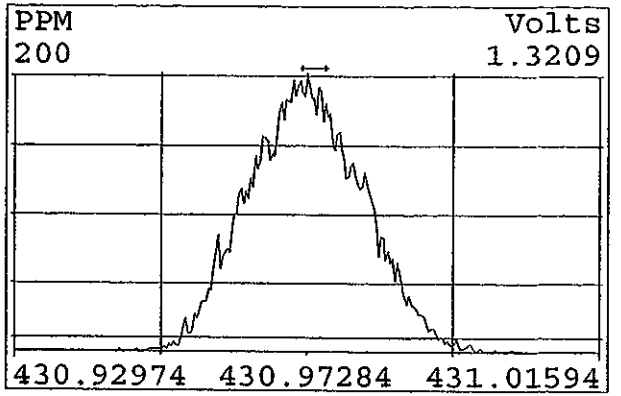


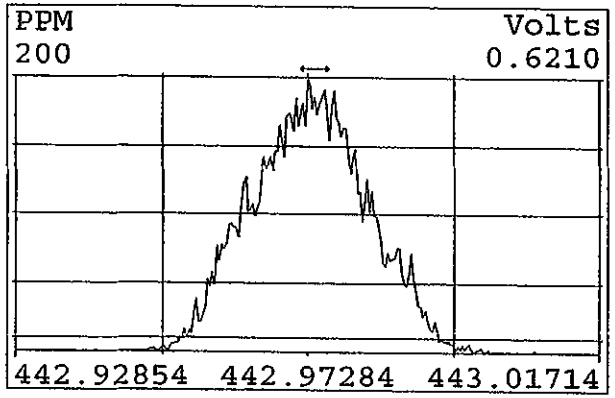


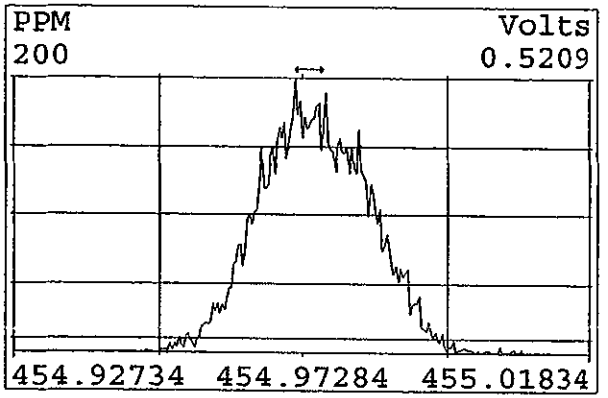
Peak Locate Examination:11-MAY-2010:12:36 File:11MY10A4D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

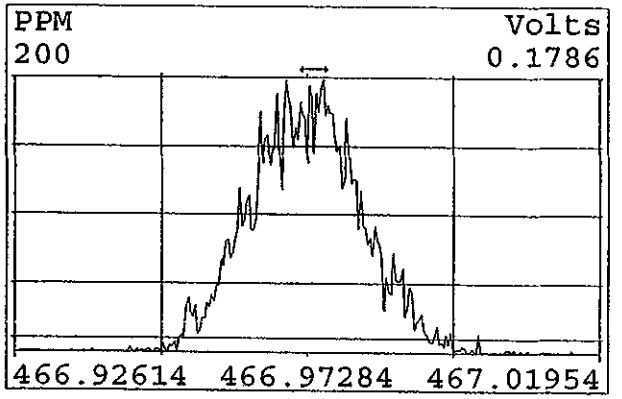


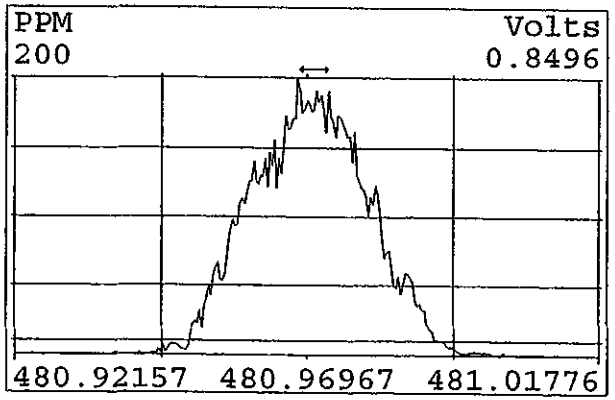




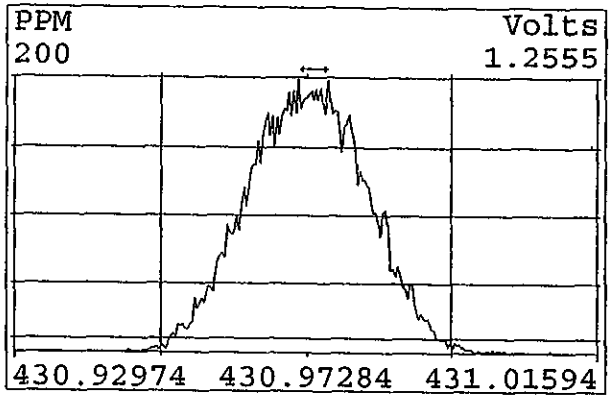


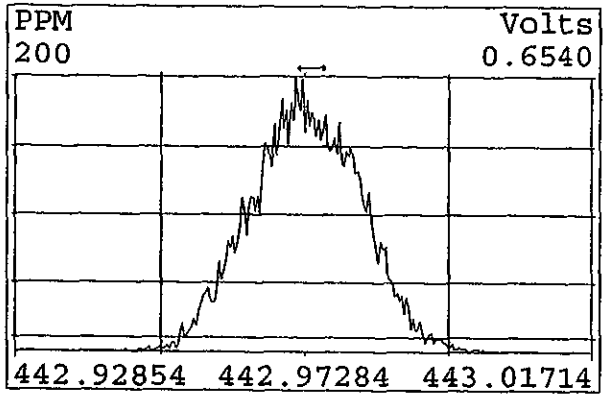


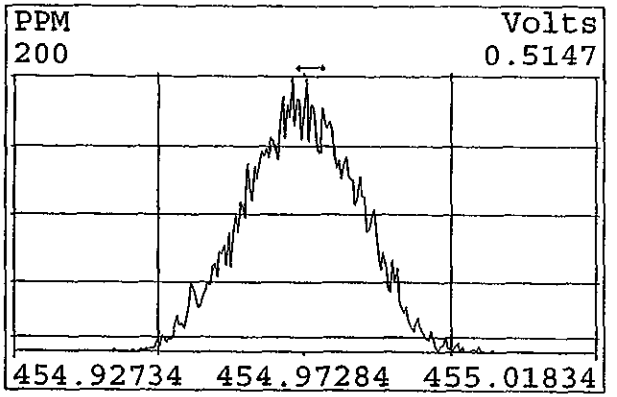


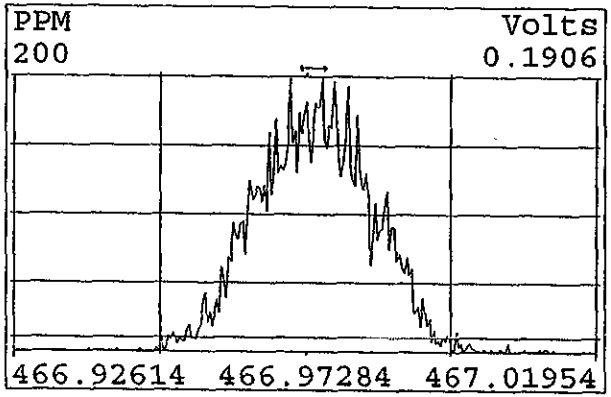


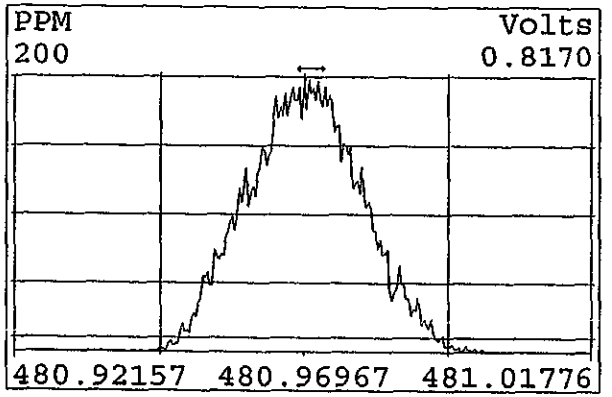
Peak Locate Examination:11-MAY-2010:12:36 File:11MY10A4D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

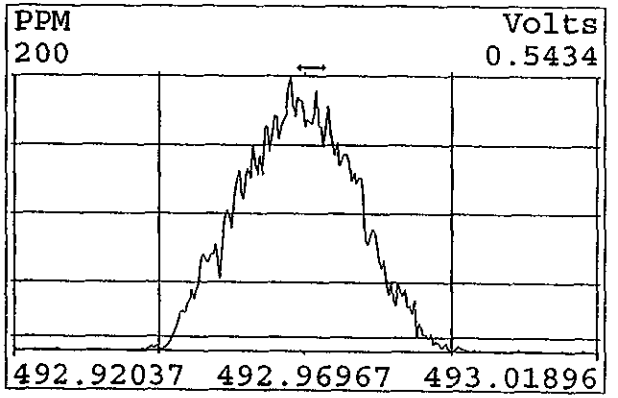


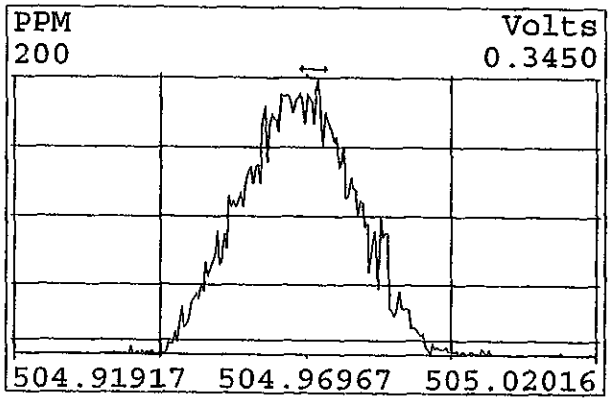


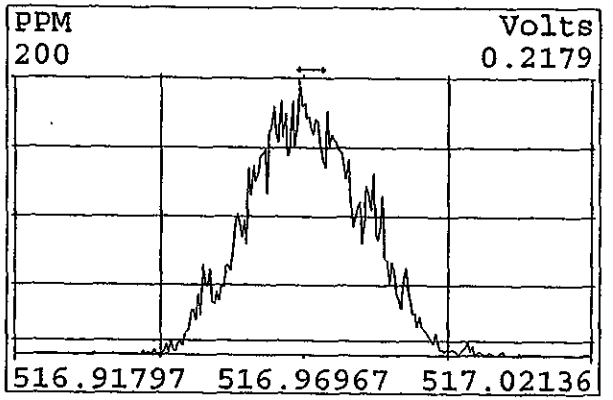




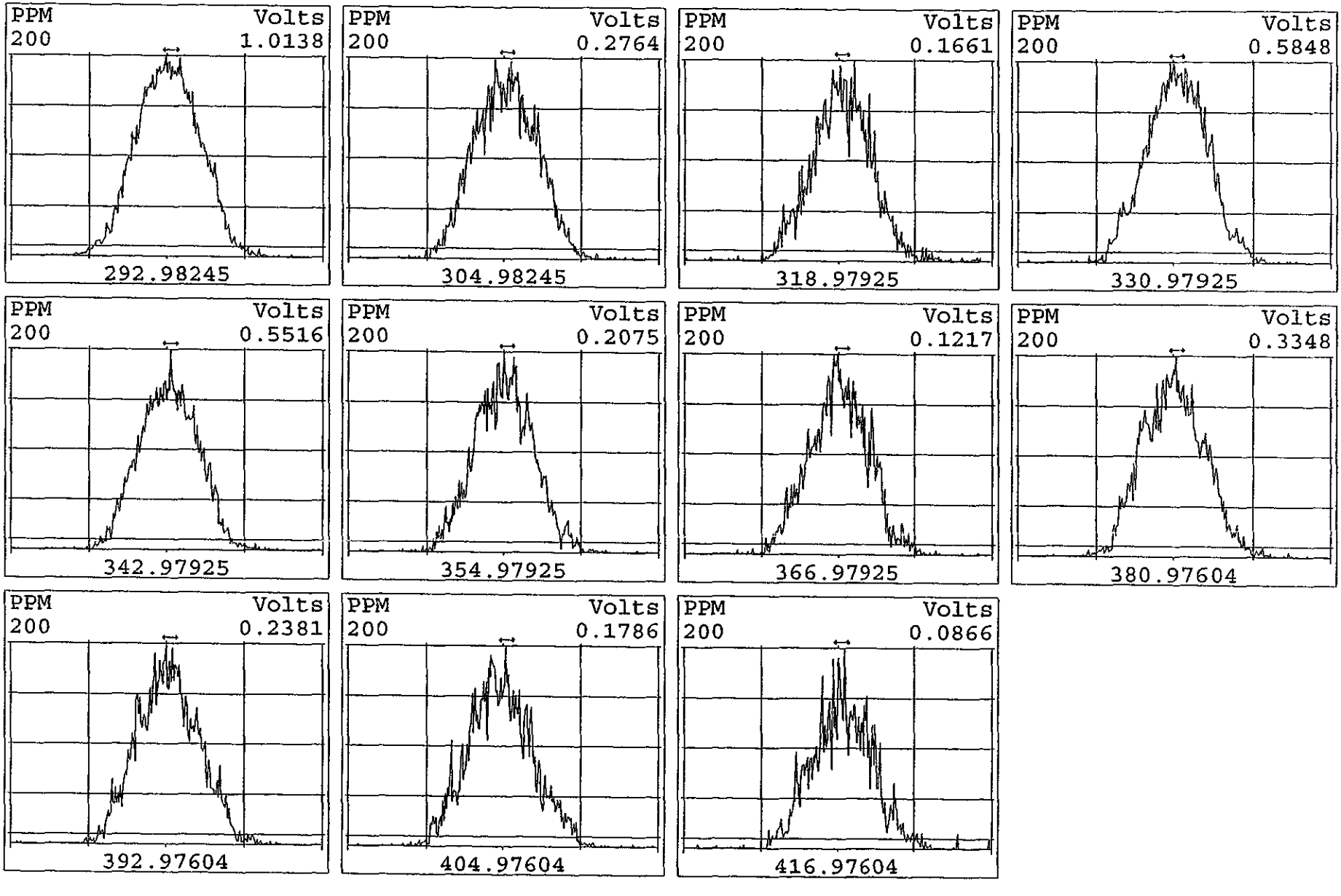




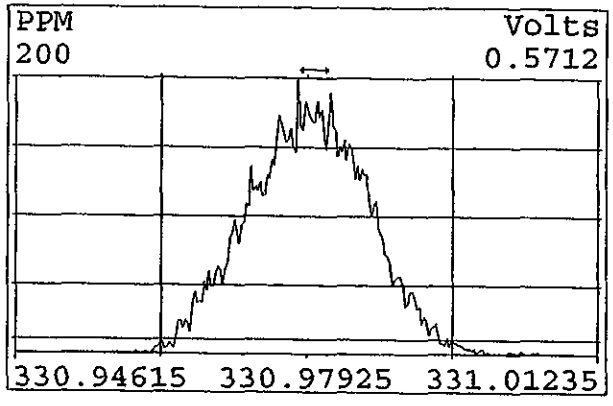


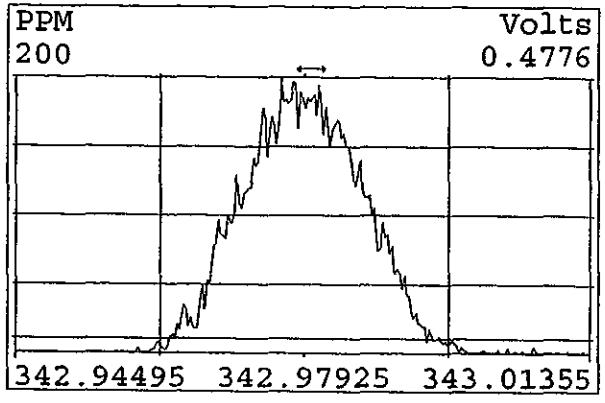


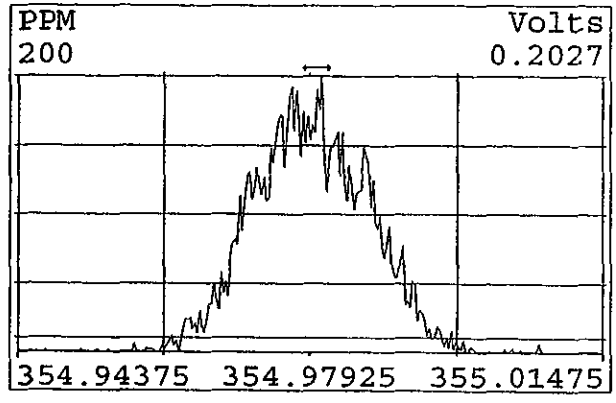
Peak Locate Examination:11-MAY-2010:21:14 File:RESCHK11MY10A4D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

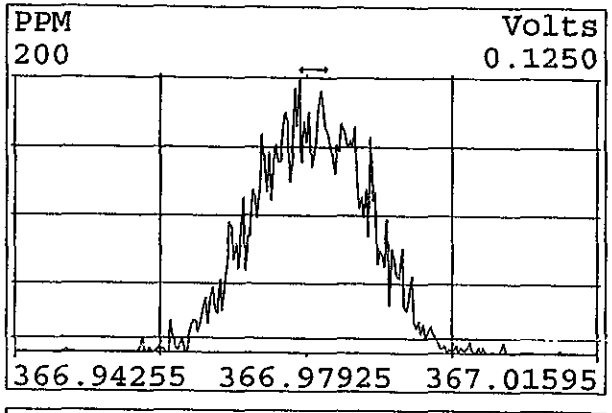


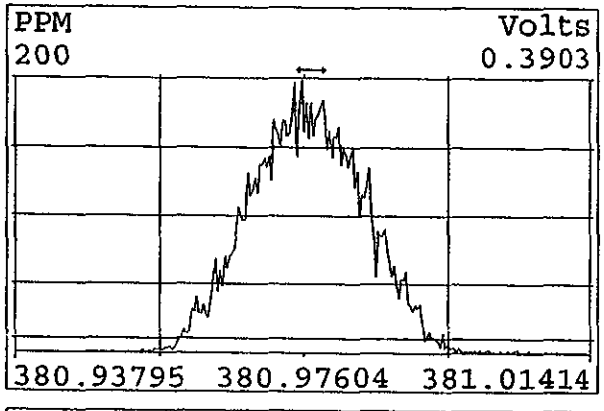
Peak Locate Examination:11-MAY-2010:21:15 File:RESCHK11MY10A4D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

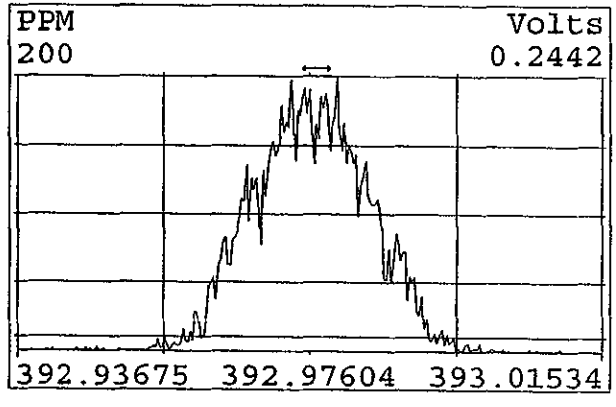


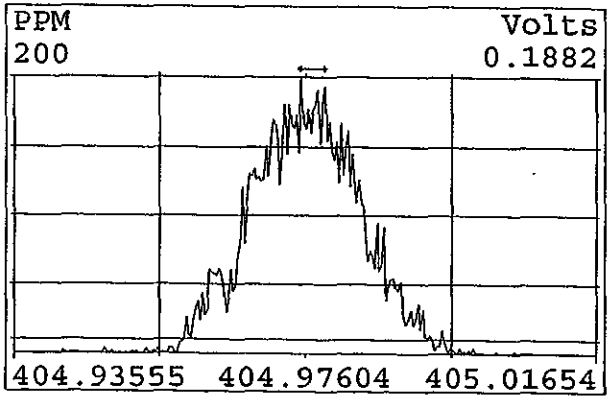


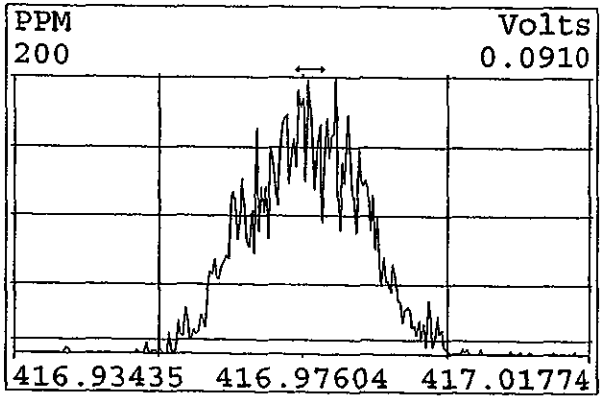




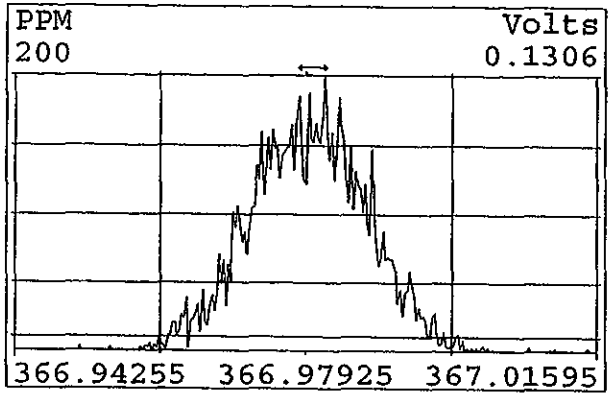


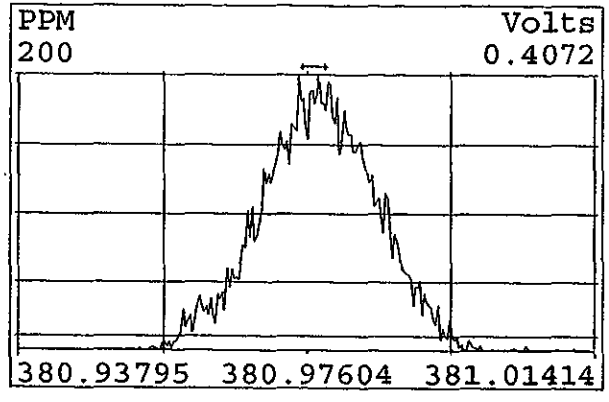


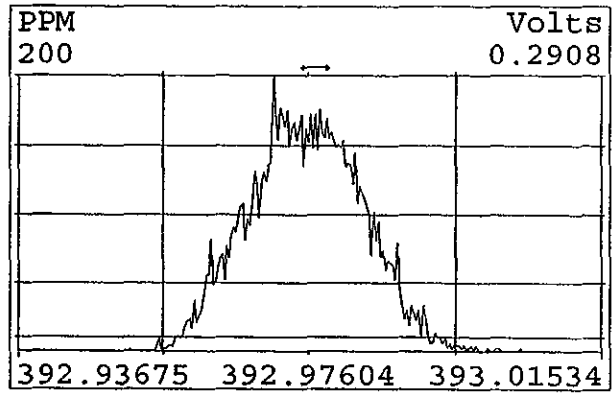


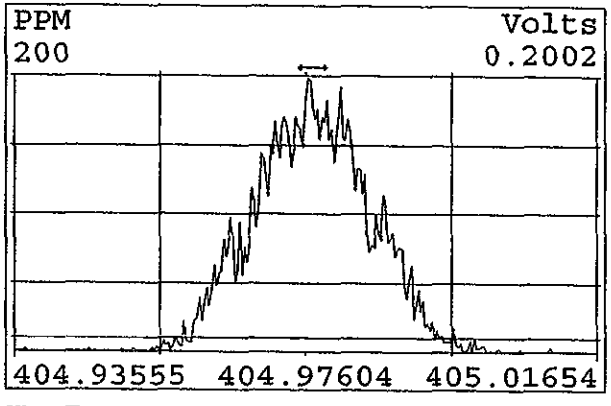


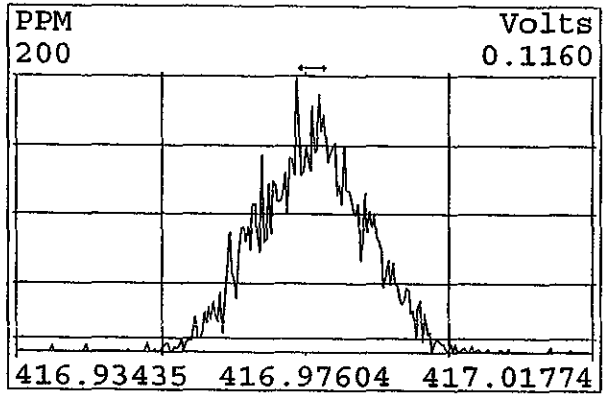
Peak Locate Examination:11-MAY-2010:21:15 File:RESCHK11MY10A4D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

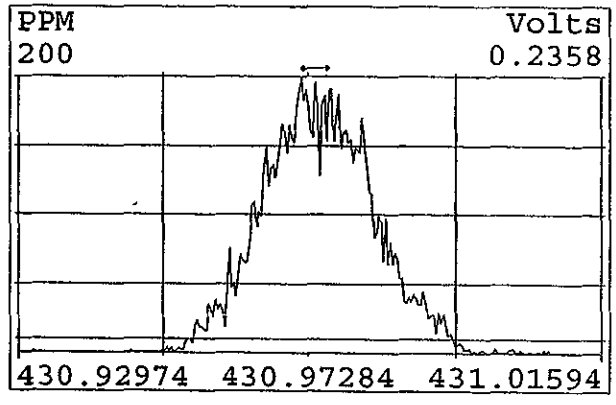


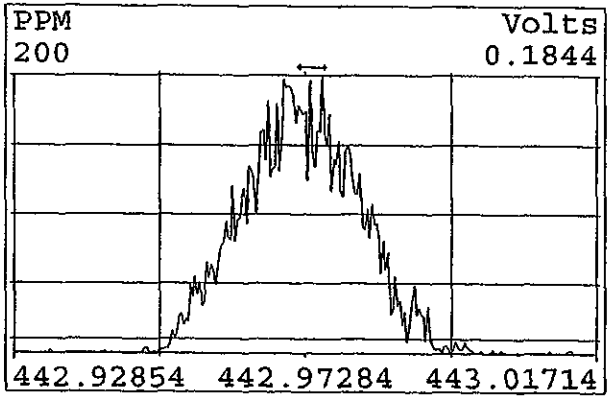


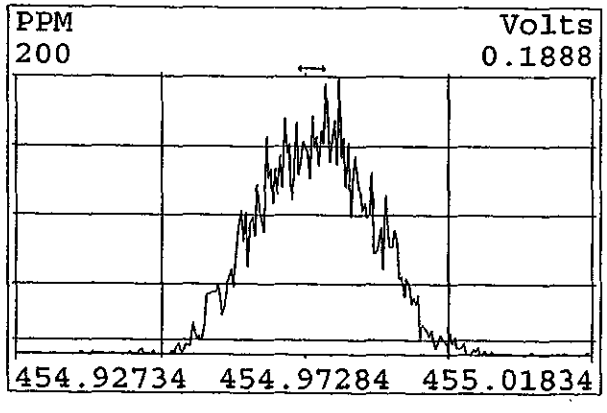




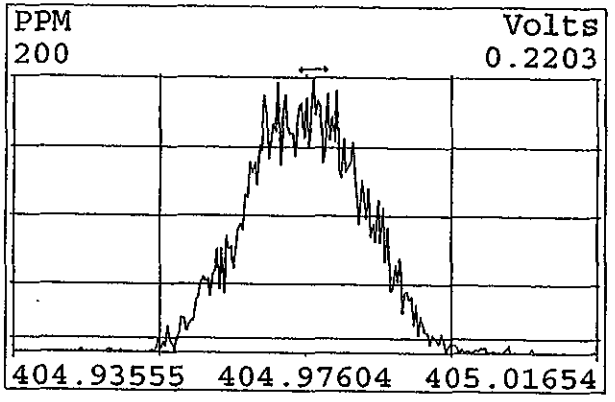


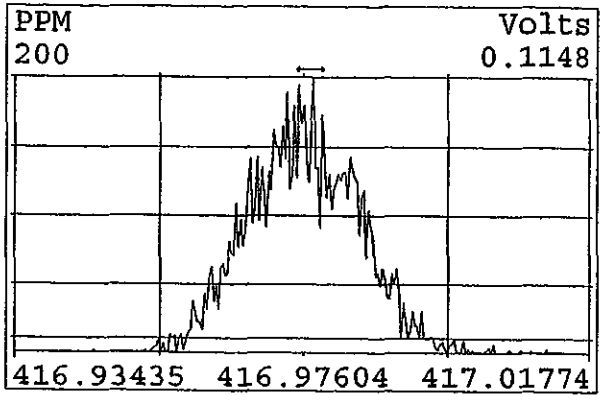


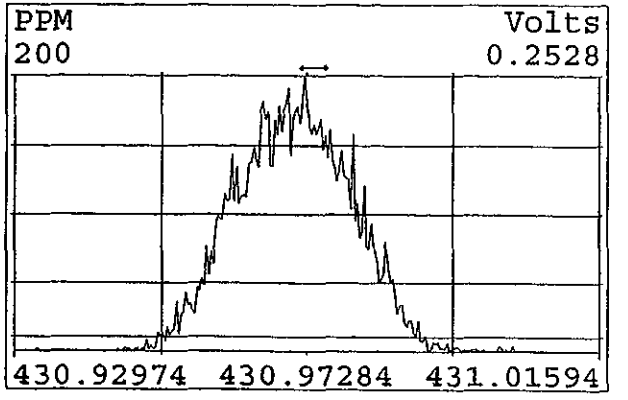


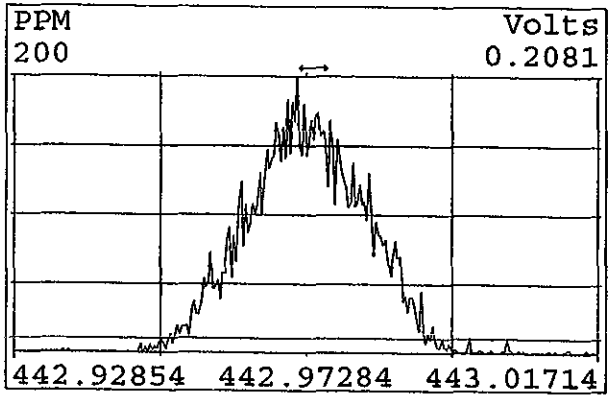


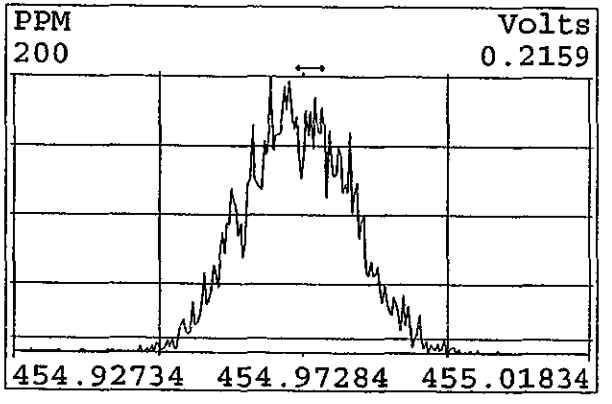
Peak Locate Examination:11-MAY-2010:21:16 File:RESCHK11MY10A4D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

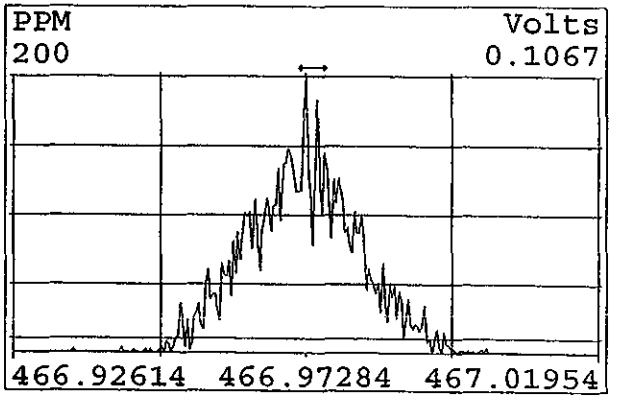


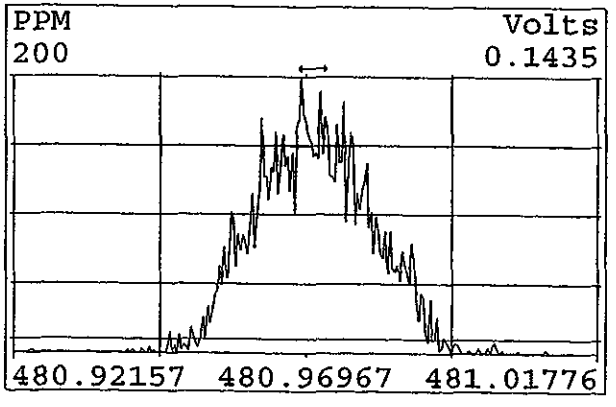




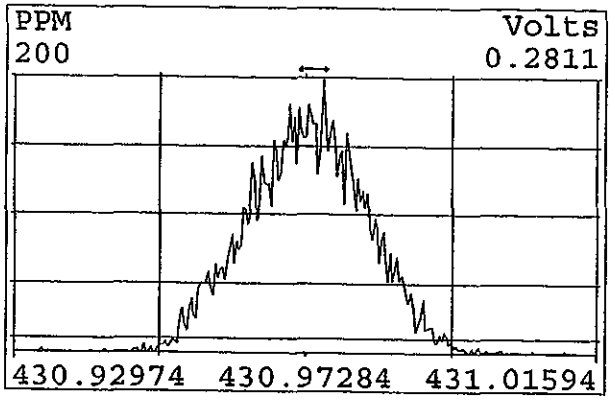


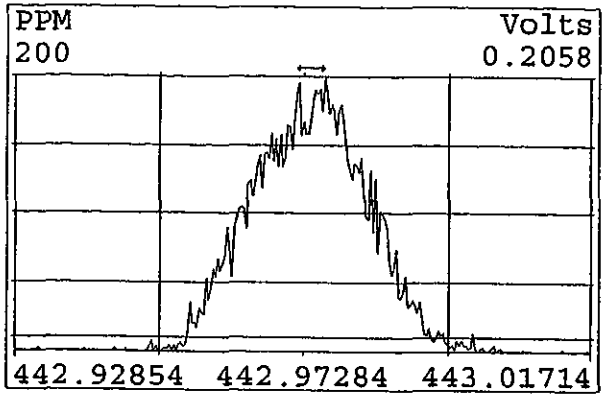


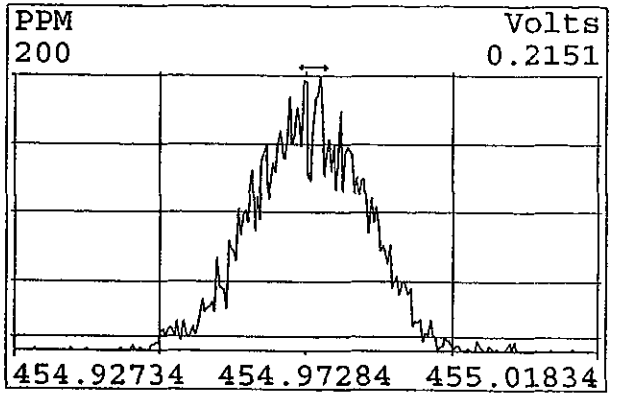


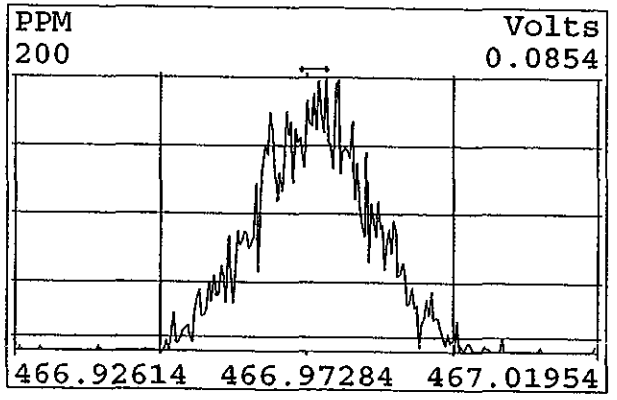


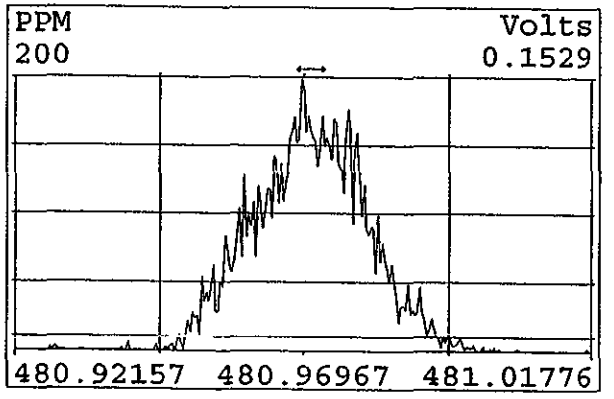
Peak Locate Examination:11-MAY-2010:21:16 File:RESCHK11MY10A4D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

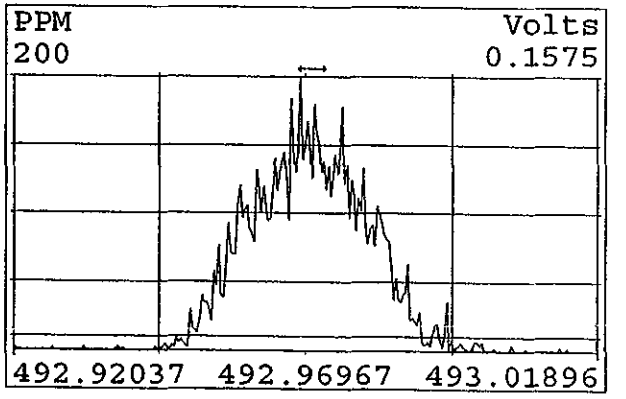


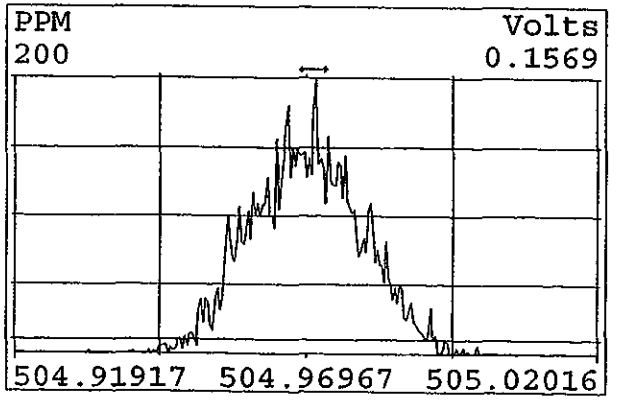


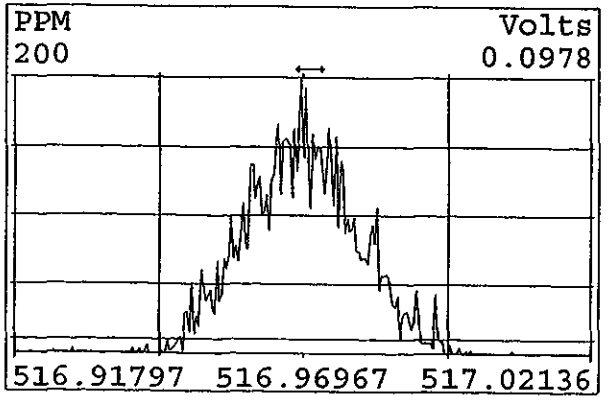




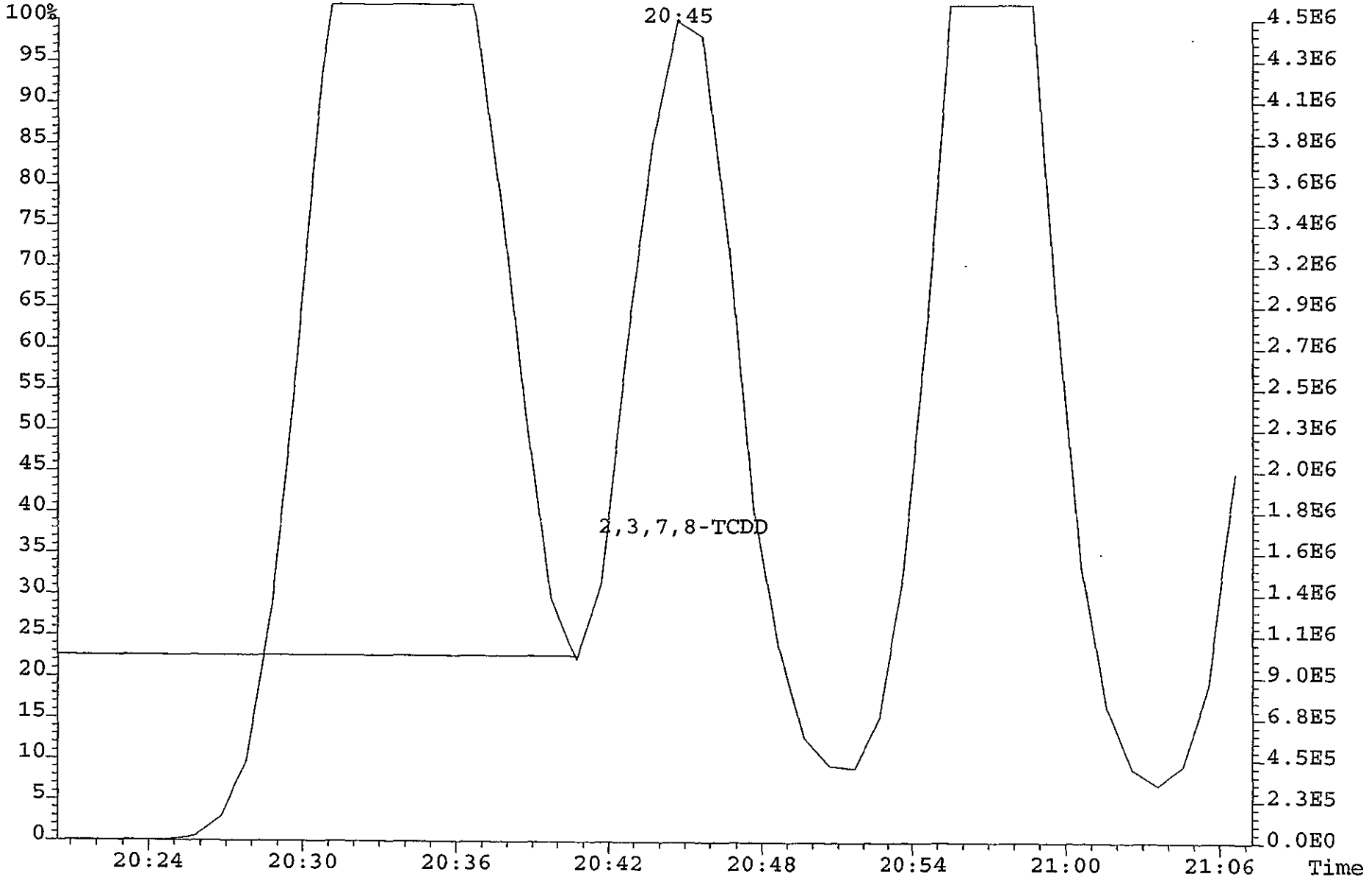








File:11MY10A4D5 #1-533 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
319.8965 S:2 BSUB(128,15,-3.0) Exp:DIOXINRES8290A Noise:367
Sample Text:CP0511 :DB-5 CPSM 3732-05



Run #1 Filename 11MY10A4D5 S: 3 I: 1
Acquired: 11-MAY-10 14:08:09 Processed: 11-MAY-10 20:52:26
Run: 11MY10A4D5I╖ Analyte: 8290A Cal: 8290A0511104D5
Comments:
Sample text: ST0511A :CS-3 10DXN126

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	177636400	0.80	y	20:31	-	100.00	n
13C-2,3,7,8-TCDF	258611000	0.79	y	19:53	1.4558	100.00	n
2,3,7,8-TCDF	27346500	0.80	y	19:55	1.0574	10.00	n
Total TCDF	-	-	n	-	1.0574	10.00	n
13C-2,3,7,8-TCDD	180720100	0.79	y	20:44	1.0174	100.00	n
2,3,7,8-TCDD	18336860	0.78	y	20:46	1.0147	10.00	n
Total TCDD	-	-	n	-	1.0147	10.00	n
37Cl-2,3,7,8-TCDD	41013000	1.00	y	20:46	2.3088	10.00	n
13C-1,2,3,7,8-PeCDF	209134900	1.56	y	25:58	1.1773	100.00	n
1,2,3,7,8-PeCDF	117482400	1.54	y	25:59	1.1235	50.00	n
2,3,4,7,8-PeCDF	110959200	1.54	y	27:35	1.0611	50.00	n
Total F2 PeCDF	-	-	n	-	1.0923	100.00	n
Total F1 PeCDF	-	-	n	-	1.0923	100.00	n
13C-1,2,3,7,8-PeCDD	132477500	1.57	y	28:26	0.7458	100.00	n
1,2,3,7,8-PeCDD	70906000	1.59	y	28:27	1.0705	50.00	n
Total PeCDD	-	-	n	-	1.0705	50.00	n
13C-1,2,3,7,8,9-HxCDD	145061000	1.37	y	33:35	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	134742100	0.52	y	32:33	0.9289	100.00	n
1,2,3,4,7,8-HxCDF	90378900	1.18	y	32:34	1.3415	50.00	n
1,2,3,6,7,8-HxCDF	127026700	1.21	y	32:40	1.8855	50.00	n
2,3,4,6,7,8-HxCDF	109747300	1.22	y	33:10	1.6290	50.00	n
1,2,3,7,8,9-HxCDF	92847400	1.34	y	33:46	1.3781	50.00	n
Total HxCDF	-	-	n	-	1.5585	200.00	n
13C-1,2,3,6,7,8-HxCDD	128428800	1.33	y	33:21	0.8853	100.00	n
1,2,3,4,7,8-HxCDD	60121900	1.24	y	33:17	0.9363	50.00	n
1,2,3,6,7,8-HxCDD	77406400	1.27	y	33:22	1.2054	50.00	n
1,2,3,7,8,9-HxCDD	83932300	1.25	y	33:36	1.3071	50.00	n
Total HxCDD	-	-	n	-	1.1496	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	130240400	0.44	y	35:08	0.8978	100.00	n
1,2,3,4,6,7,8-HpCDF	93829900	1.03	y	35:08	1.4409	50.00	n
1,2,3,4,7,8,9-HpCDF	76469100	1.02	y	36:18	1.1743	50.00	n
Total HpCDF	-	-	n	-	1.3076	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	110478000	1.07	y	35:57	0.7616	100.00	n
1,2,3,4,6,7,8-HpCDD	61729700	1.05	y	35:58	1.1175	50.00	n
Total HpCDD	-	-	n	-	1.1175	50.00	n
13C-OCDD	155637100	0.91	y	38:33	0.5365	200.00	n
OCDF	129076700	0.91	y	38:41	1.6587	100.00	n

OCDD 95742600 0.89 y 38:34 1.2303 100.00 n

Run #2 Filename 11MY10A4D5 S: 4 I: 1
Acquired: 11-MAY-10 14:53:11 Processed: 11-MAY-10 20:52:27
Run: 11MY10A4D5I╗ Analyte: 8290A Cal: 8290A0511104D5
Comments:
Sample text: ST0511B :CS-2 10DXN125

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	184486200	0.80	y	20:31	-	100.00	n
13C-2,3,7,8-TCDF	266366000	0.78	y	19:53	1.4438	100.00	n
2,3,7,8-TCDF	5372100	0.75	y	19:55	1.0084	2.00	n
Total TCDF	-	-	n	-	1.0084	2.00	n
13C-2,3,7,8-TCDD	176104500	0.81	y	20:44	0.9546	100.00	n
2,3,7,8-TCDD	3465130	0.75	y	20:45	0.9838	2.00	n
Total TCDD	-	-	n	-	0.9838	2.00	n
37Cl-2,3,7,8-TCDD	7339880	1.00	y	20:45	1.9893	2.00	n
13C-1,2,3,7,8-PeCDF	203097400	1.56	y	25:57	1.1009	100.00	n
1,2,3,7,8-PeCDF	21186990	1.54	y	25:59	1.0432	10.00	n
2,3,4,7,8-PeCDF	20797140	1.55	y	27:35	1.0240	10.00	n
Total F2 PeCDF	-	-	n	-	1.0336	20.00	n
Total F1 PeCDF	-	-	n	-	1.0336	20.00	n
13C-1,2,3,7,8-PeCDD	131290300	1.56	y	28:26	0.7117	100.00	n
1,2,3,7,8-PeCDD	13119460	1.62	y	28:28	0.9993	10.00	n
Total PeCDD	-	-	n	-	0.9993	10.00	n
13C-1,2,3,7,8,9-HxCDD	152811100	1.30	y	33:36	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	141542900	0.52	y	32:33	0.9263	100.00	n
1,2,3,4,7,8-HxCDF	18107420	1.19	y	32:34	1.2793	10.00	n
1,2,3,6,7,8-HxCDF	22936900	1.22	y	32:40	1.6205	10.00	n
2,3,4,6,7,8-HxCDF	20360020	1.13	y	33:10	1.4384	10.00	n
1,2,3,7,8,9-HxCDF	17377660	1.07	y	33:47	1.2277	10.00	n
Total HxCDF	-	-	n	-	1.3915	40.00	n
13C-1,2,3,6,7,8-HxCDD	135740800	1.32	y	33:21	0.8883	100.00	n
1,2,3,4,7,8-HxCDD	10758830	1.26	y	33:18	0.7926	10.00	n
1,2,3,6,7,8-HxCDD	15685330	1.31	y	33:22	1.1555	10.00	n
1,2,3,7,8,9-HxCDD	15597300	1.29	y	33:37	1.1490	10.00	n
Total HxCDD	-	-	n	-	1.0324	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	129739400	0.44	y	35:08	0.8490	100.00	n
1,2,3,4,6,7,8-HpCDF	17571630	0.98	y	35:09	1.3544	10.00	n
1,2,3,4,7,8,9-HpCDF	14460530	1.02	y	36:18	1.1146	10.00	n
Total HpCDF	-	-	n	-	1.2345	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	112083100	1.06	y	35:58	0.7335	100.00	n
1,2,3,4,6,7,8-HpCDD	11644920	1.05	y	35:59	1.0390	10.00	n
Total HpCDD	-	-	n	-	1.0390	10.00	n
13C-OCDD	157676900	0.91	y	38:34	0.5159	200.00	n
OCDF	23639300	0.92	y	38:42	1.4992	20.00	n
OCDD	18113800	0.90	y	38:35	1.1488	20.00	n

Run #3 Filename 11MY10A4D5 S: 6 I: 1
Acquired: 11-MAY-10 16:23:15 Processed: 11-MAY-10 20:52:28
Run: 11MY10A4D5I╗ Analyte: 8290A Cal: 8290A0511104D5
Comments:
Sample text: ST0511D :CS-1 10DXN124 RI

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	148272700	0.81	y	20:31	-	100.00	n
13C-2,3,7,8-TCDF	214794400	0.79	y	19:53	1.4486	100.00	n
2,3,7,8-TCDF	993118	0.78	y	19:54	0.9247	0.50	n
Total TCDF	-	-	n	-	0.9247	0.50	n
13C-2,3,7,8-TCDD	146385800	0.79	y	20:44	0.9873	100.00	n
2,3,7,8-TCDD	663069	0.78	y	20:46	0.9059	0.50	n
Total TCDD	-	-	n	-	0.9059	0.50	n
37Cl-2,3,7,8-TCDD	1619558	1.00	y	20:45	2.1846	0.50	n
13C-1,2,3,7,8-PeCDF	163425700	1.56	y	25:58	1.1022	100.00	n
1,2,3,7,8-PeCDF	3749730	1.69	y	25:59	0.9178	2.50	n
2,3,4,7,8-PeCDF	3555310	1.54	y	27:36	0.8702	2.50	n
Total F2 PeCDF	-	-	n	-	0.8940	5.00	n
Total F1 PeCDF	-	-	n	-	0.8940	5.00	n
13C-1,2,3,7,8-PeCDD	103529200	1.56	y	28:27	0.6982	100.00	n
1,2,3,7,8-PeCDD	2170049	1.57	y	28:29	0.8384	2.50	n
Total PeCDD	-	-	n	-	0.8384	2.50	n
13C-1,2,3,7,8,9-HxCDD	110310300	1.29	y	33:36	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	104789300	0.52	y	32:33	0.9499	100.00	n
1,2,3,4,7,8-HxCDF	2926580	1.16	y	32:34	1.1171	2.50	n
1,2,3,6,7,8-HxCDF	3827700	1.28	y	32:41	1.4611	2.50	n
2,3,4,6,7,8-HxCDF	3031360	1.20	y	33:10	1.1571	2.50	n
1,2,3,7,8,9-HxCDF	2695770	1.16	y	33:47	1.0290	2.50	n
Total HxCDF	-	-	n	-	1.1911	10.00	n
13C-1,2,3,6,7,8-HxCDD	100875300	1.30	y	33:21	0.9145	100.00	n
1,2,3,4,7,8-HxCDD	1717021	1.19	y	33:18	0.6808	2.50	n
1,2,3,6,7,8-HxCDD	2534160	1.28	y	33:22	1.0049	2.50	n
1,2,3,7,8,9-HxCDD	2273142	1.29	y	33:37	0.9014	2.50	n
Total HxCDD	-	-	n	-	0.8624	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	94876400	0.44	y	35:08	0.8601	100.00	n
1,2,3,4,6,7,8-HpCDF	2704710	0.98	y	35:09	1.1403	2.50	n
1,2,3,4,7,8,9-HpCDF	2156870	1.05	y	36:18	0.9093	2.50	n
Total HpCDF	-	-	n	-	1.0248	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	76804200	1.07	y	35:58	0.6963	100.00	n
1,2,3,4,6,7,8-HpCDD	1700692	1.03	y	35:59	0.8857	2.50	n
Total HpCDD	-	-	n	-	0.8857	2.50	n
13C-OCDD	102589700	0.91	y	38:34	0.4650	200.00	n
OCDF	3401100	0.93	y	38:41	1.3261	5.00	n
OCDD	2459530	0.94	y	38:35	0.9590	5.00	n

Run #4 Filename 11MY10A4D5 S: 10 I: 1
Acquired: 11-MAY-10 19:24:26 Processed: 11-MAY-10 20:52:29
Run: 11MY10A4D5I┐ Analyte: 8290A Cal: 8290A0511104D5
Comments:
Sample text: ST0511H :CS-5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	203038800	0.81	y	20:32	-	100.00	n
13C-2,3,7,8-TCDF	315222000	0.79	y	19:54	1.5525	100.00	n
2,3,7,8-TCDF	659038000	0.79	y	19:55	1.0454	200.00	n
Total TCDF	-	-	n	-	1.0454	200.00	n
13C-2,3,7,8-TCDD	219321500	0.81	y	20:45	1.0802	100.00	n
2,3,7,8-TCDD	450821000	0.78	y	20:46	1.0278	200.00	n
Total TCDD	-	-	n	-	1.0278	200.00	n
37Cl-2,3,7,8-TCDD	1023256000	1.00	y	20:46	2.5199	200.00	n
13C-1,2,3,7,8-PeCDF	260038000	1.56	y	25:58	1.2807	100.00	n
1,2,3,7,8-PeCDF	2815400000	1.54	y	26:00	1.0827	1000.00	n
2,3,4,7,8-PeCDF	2693250000	1.54	y	27:35	1.0357	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0592	2000.00	n
Total F1 PeCDF	-	-	n	-	1.0592	2000.00	n
13C-1,2,3,7,8-PeCDD	169411600	1.54	y	28:26	0.8344	100.00	n
1,2,3,7,8-PeCDD	1729641000	1.58	y	28:29	1.0210	1000.00	n
Total PeCDD	-	-	n	-	1.0210	1000.00	n
13C-1,2,3,7,8,9-HxCDD	192741200	1.31	y	33:36	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	181392200	0.51	y	32:34	0.9411	100.00	n
1,2,3,4,7,8-HxCDF	2324340000	1.19	y	32:35	1.2814	1000.00	n
1,2,3,6,7,8-HxCDF	3046340000	1.21	y	32:40	1.6794	1000.00	n
2,3,4,6,7,8-HxCDF	2752690000	1.21	y	33:10	1.5175	1000.00	n
1,2,3,7,8,9-HxCDF	2457450000	1.21	y	33:47	1.3548	1000.00	n
Total HxCDF	-	-	n	-	1.4583	4000.00	n
13C-1,2,3,6,7,8-HxCDD	170057300	1.30	y	33:21	0.8823	100.00	n
1,2,3,4,7,8-HxCDD	1514138000	1.25	y	33:17	0.8904	1000.00	y
1,2,3,6,7,8-HxCDD	2049375000	1.28	y	33:21	1.2051	1000.00	y
1,2,3,7,8,9-HxCDD	2109006000	1.27	y	33:37	1.2402	1000.00	n
Total HxCDD	-	-	n	-	1.1119	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	173506100	0.45	y	35:08	0.9002	100.00	n
1,2,3,4,6,7,8-HpCDF	2380750000	1.00	y	35:09	1.3721	1000.00	n
1,2,3,4,7,8,9-HpCDF	2007200000	1.00	y	36:18	1.1568	1000.00	n
Total HpCDF	-	-	n	-	1.2645	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	148108900	1.06	y	35:58	0.7684	100.00	n
1,2,3,4,6,7,8-HpCDD	1600558000	1.05	y	35:59	1.0807	1000.00	n
Total HpCDD	-	-	n	-	1.0807	1000.00	n
13C-OCDD	224682000	0.93	y	38:34	0.5829	200.00	n
OCDF	3577650000	0.91	y	38:41	1.5923	2000.00	n

OCDD 26389S0000 0.90 y 38:34 1.1745 2000.00 n

Run #4 Filename 11MY10A4D5 S: 10 I: 1
Acquired: 11-MAY-10 19:24:26 Processed: 11-MAY-10 20:52:29
Run: 11MY10A4D5I┐ Analyte: 8290A Cal: 8290A0511104D5
Comments:
Sample text: ST0511H :CS-5 09DXN456

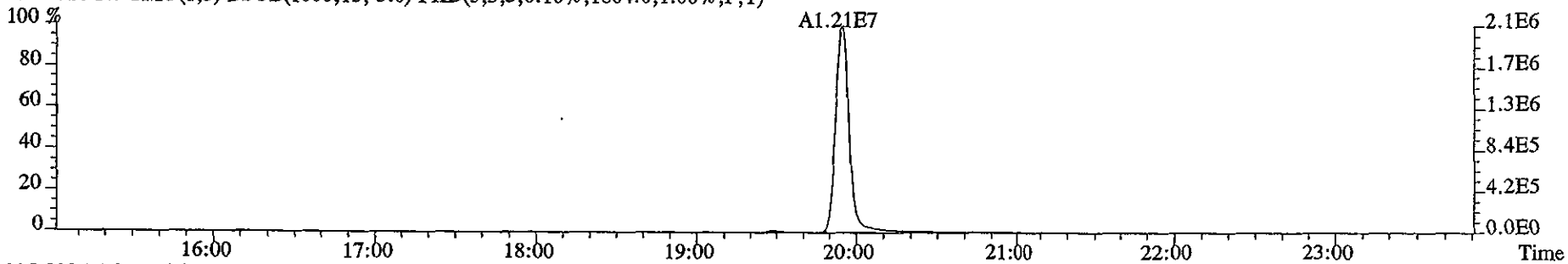
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	203038800	0.81	y	20:32	-	100.00	n
13C-2,3,7,8-TCDF	315222000	0.79	y	19:54	1.5525	100.00	n
2,3,7,8-TCDF	659038000	0.79	y	19:55	1.0454	200.00	n
Total TCDF	-	-	n	-	1.0454	200.00	n
13C-2,3,7,8-TCDD	219321500	0.81	y	20:45	1.0802	100.00	n
2,3,7,8-TCDD	450821000	0.78	y	20:46	1.0278	200.00	n
Total TCDD	-	-	n	-	1.0278	200.00	n
37Cl-2,3,7,8-TCDD	1023256000	1.00	y	20:46	2.5199	200.00	n
13C-1,2,3,7,8-PeCDF	260038000	1.56	y	25:58	1.2807	100.00	n
1,2,3,7,8-PeCDF	2815400000	1.54	y	26:00	1.0827	1000.00	n
2,3,4,7,8-PeCDF	2693250000	1.54	y	27:35	1.0357	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0592	2000.00	n
Total F1 PeCDF	-	-	n	-	1.0592	2000.00	n
13C-1,2,3,7,8-PeCDD	169411600	1.54	y	28:26	0.8344	100.00	n
1,2,3,7,8-PeCDD	1729641000	1.58	y	28:29	1.0210	1000.00	n
Total PeCDD	-	-	n	-	1.0210	1000.00	n
13C-1,2,3,7,8,9-HxCDD	192741200	1.31	y	33:36	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	181392200	0.51	y	32:34	0.9411	100.00	n
1,2,3,4,7,8-HxCDF	2324340000	1.19	y	32:35	1.2814	1000.00	n
1,2,3,6,7,8-HxCDF	3046340000	1.21	y	32:40	1.6794	1000.00	n
2,3,4,6,7,8-HxCDF	2752690000	1.21	y	33:10	1.5175	1000.00	n
1,2,3,7,8,9-HxCDF	2457450000	1.21	y	33:47	1.3548	1000.00	n
Total HxCDF	-	-	n	-	1.4583	4000.00	n
13C-1,2,3,6,7,8-HxCDD	170057300	1.30	y	33:21	0.8823	100.00	n
1,2,3,4,7,8-HxCDD	1375592960	1.47	n	33:17	0.8089	1000.00	n
1,2,3,6,7,8-HxCDD	2047969000	1.15	y	33:21	1.2043	1000.00	n
1,2,3,7,8,9-HxCDD	2109006000	1.27	y	33:37	1.2402	1000.00	n
Total HxCDD	-	-	n	-	1.0845	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	173506100	0.45	y	35:08	0.9002	100.00	n
1,2,3,4,6,7,8-HpCDF	2380750000	1.00	y	35:09	1.3721	1000.00	n
1,2,3,4,7,8,9-HpCDF	2007200000	1.00	y	36:18	1.1568	1000.00	n
Total HpCDF	-	-	n	-	1.2645	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	148108900	1.06	y	35:58	0.7684	100.00	n
1,2,3,4,6,7,8-HpCDD	1600558000	1.05	y	35:59	1.0807	1000.00	n
Total HpCDD	-	-	n	-	1.0807	1000.00	n
13C-OCDD	224682000	0.93	y	38:34	0.5829	200.00	n
OCDF	3577650000	0.91	y	38:41	1.5923	2000.00	n
OCDD	2638950000	0.90	y	38:34	1.1745	2000.00	n

Run #5 Filename 11MY10A4D5 S: 11 I: 1
Acquired: 11-MAY-10 20:10:43 Processed: 11-MAY-10 20:52:30
Run: 11MY10A4D5I╗ Analyte: 8290A Cal: 8290A0511104D5
Comments:
Sample text: ST0511I :CS-4 09DXN426

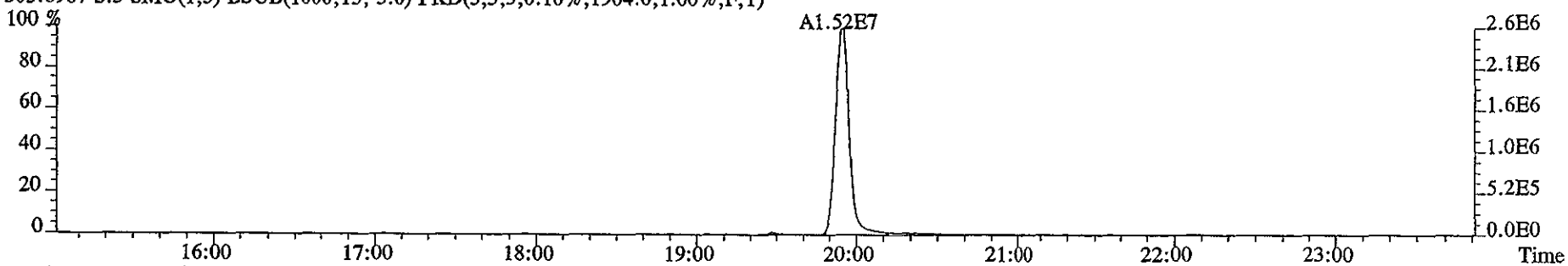
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	77822500	0.81	y	20:32	-	100.00	n
13C-2,3,7,8-TCDF	114630300	0.77	y	19:54	1.4730	100.00	n
2,3,7,8-TCDF	48068300	0.78	y	19:55	1.0483	40.00	n
Total TCDF	-	-	n	-	1.0483	40.00	n
13C-2,3,7,8-TCDD	73242100	0.81	y	20:45	0.9411	100.00	n
2,3,7,8-TCDD	29979600	0.79	y	20:47	1.0233	40.00	n
Total TCDD	-	-	n	-	1.0233	40.00	n
37Cl-2,3,7,8-TCDD	68558800	1.00	y	20:47	2.2024	40.00	n
13C-1,2,3,7,8-PeCDF	83869700	1.58	y	26:01	1.0777	100.00	n
1,2,3,7,8-PeCDF	189115100	1.57	y	26:02	1.1274	200.00	n
2,3,4,7,8-PeCDF	178927400	1.54	y	27:38	1.0667	200.00	n
Total F2 PeCDF	-	-	n	-	1.0971	400.00	n
Total F1 PeCDF	-	-	n	-	1.0971	400.00	n
13C-1,2,3,7,8-PeCDD	53724500	1.54	y	28:29	0.6903	100.00	n
1,2,3,7,8-PeCDD	114889100	1.59	y	28:32	1.0692	200.00	n
Total PeCDD	-	-	n	-	1.0692	200.00	n
13C-1,2,3,7,8,9-HxCDD	64959700	1.27	y	33:37	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	59064200	0.51	y	32:35	0.9092	100.00	n
1,2,3,4,7,8-HxCDF	157418600	1.19	y	32:36	1.3326	200.00	n
1,2,3,6,7,8-HxCDF	195407800	1.21	y	32:42	1.6542	200.00	n
2,3,4,6,7,8-HxCDF	168159400	1.12	y	33:11	1.4235	200.00	n
1,2,3,7,8,9-HxCDF	150923500	1.11	y	33:48	1.2776	200.00	n
Total HxCDF	-	-	n	-	1.4220	800.00	n
13C-1,2,3,6,7,8-HxCDD	55063300	1.33	y	33:22	0.8477	100.00	n
1,2,3,4,7,8-HxCDD	96137600	1.25	y	33:18	0.8730	200.00	n
1,2,3,6,7,8-HxCDD	132568300	1.28	y	33:23	1.2038	200.00	n
1,2,3,7,8,9-HxCDD	136538900	1.26	y	33:37	1.2398	200.00	n
Total HxCDD	-	-	n	-	1.1055	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	53488800	0.45	y	35:09	0.8234	100.00	n
1,2,3,4,6,7,8-HpCDF	151321400	1.00	y	35:10	1.4145	200.00	n
1,2,3,4,7,8,9-HpCDF	125890600	0.98	y	36:20	1.1768	200.00	n
Total HpCDF	-	-	n	-	1.2957	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	46022400	1.04	y	35:59	0.7085	100.00	n
1,2,3,4,6,7,8-HpCDD	100947300	1.05	y	35:59	1.0967	200.00	n
Total HpCDD	-	-	n	-	1.0967	200.00	n
13C-OCDD	64051500	0.92	y	38:35	0.4930	200.00	n
OCDF	210338000	0.92	y	38:42	1.6419	400.00	n
OCDD	155760100	0.91	y	38:35	1.2159	400.00	n

File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

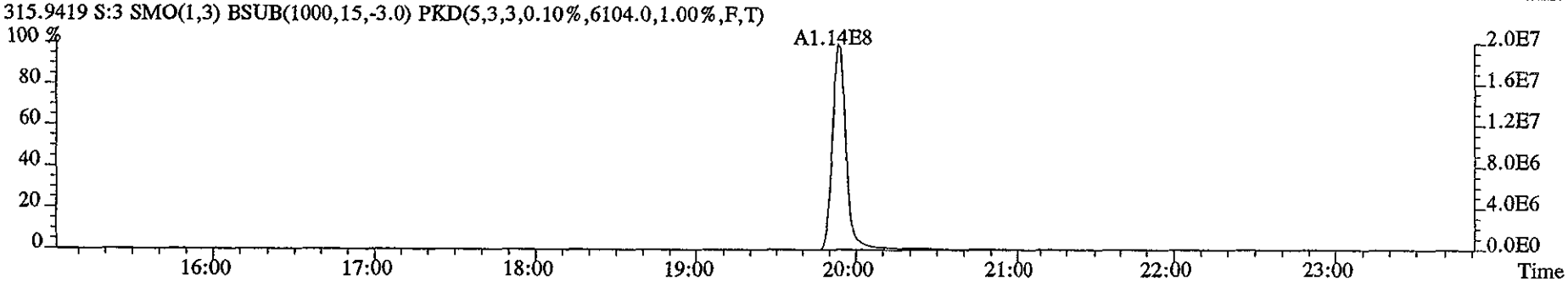
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



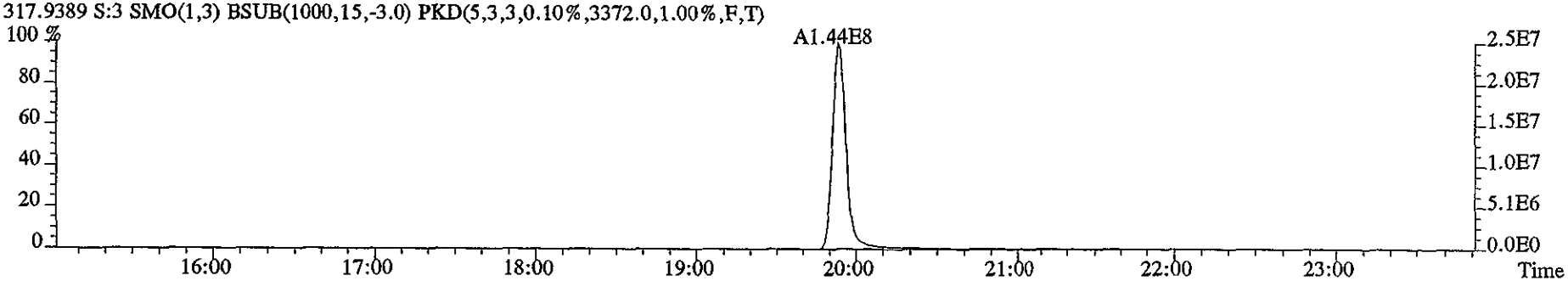
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1904.0,1.00%,F,T)



315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6104.0,1.00%,F,T)

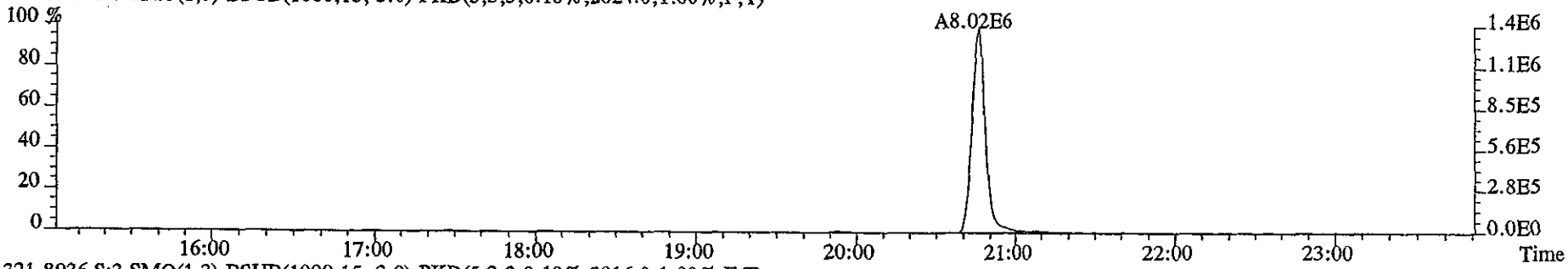


317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3372.0,1.00%,F,T)

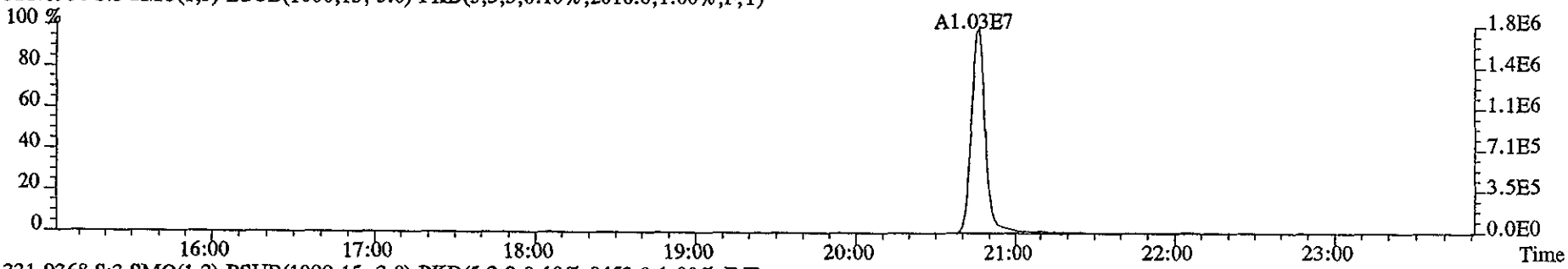


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

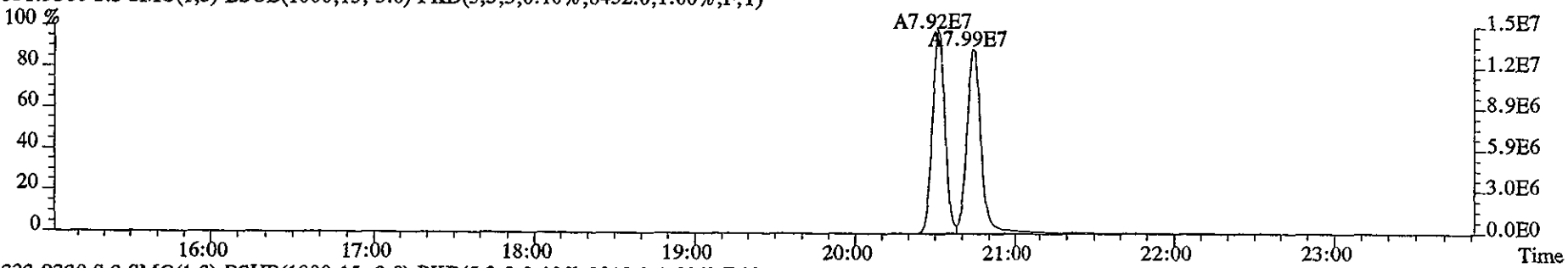
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2024.0,1.00%,F,T)



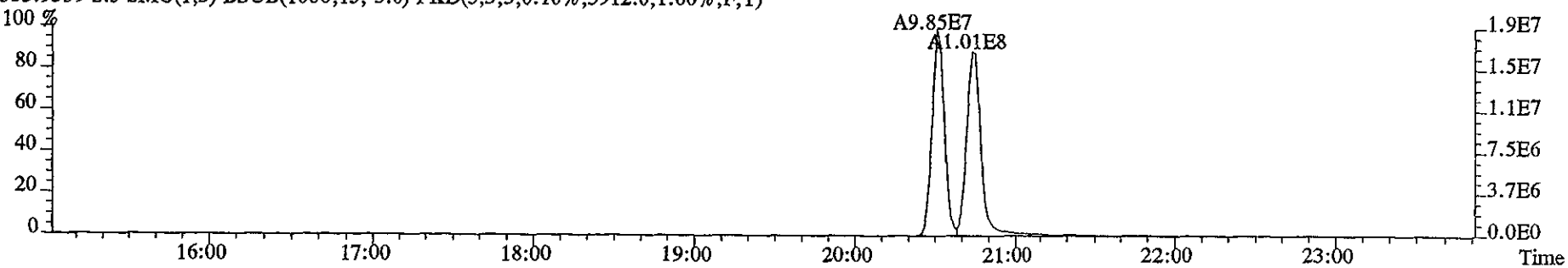
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2016.0,1.00%,F,T)



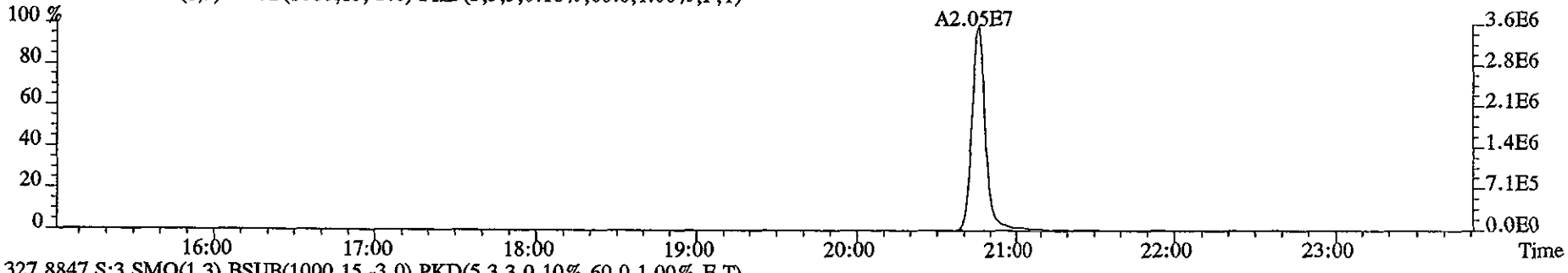
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8452.0,1.00%,F,T)



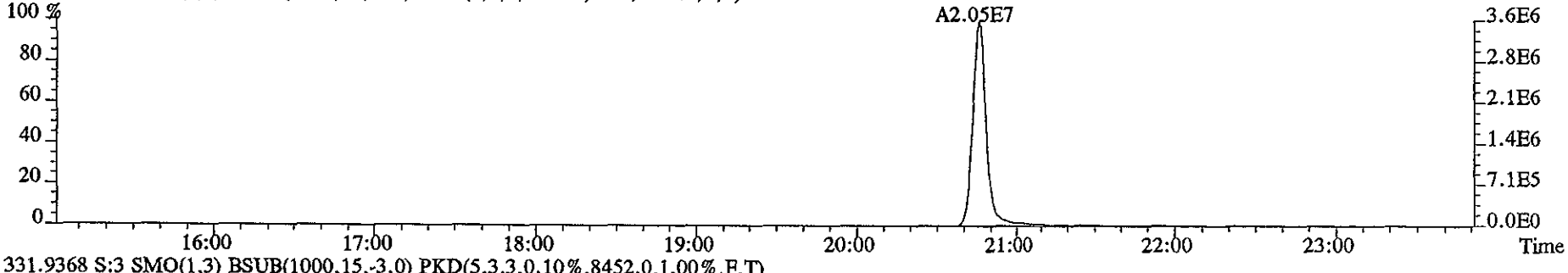
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



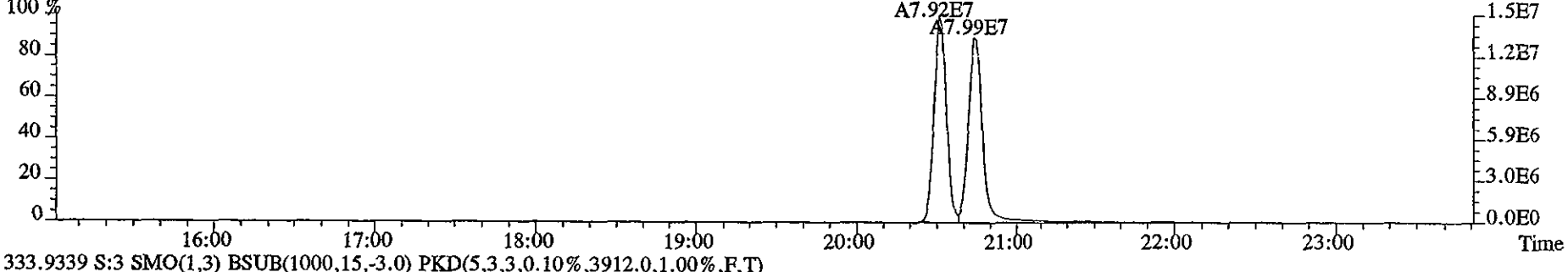
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



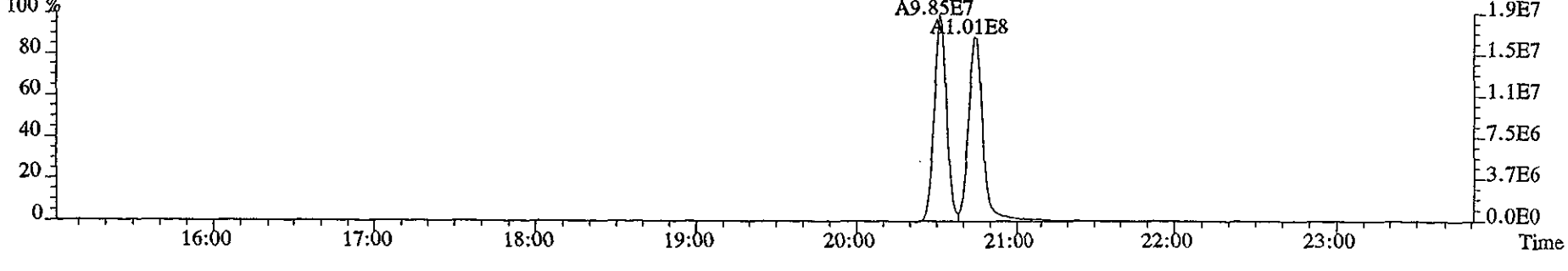
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,60.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8452.0,1.00%,F,T)

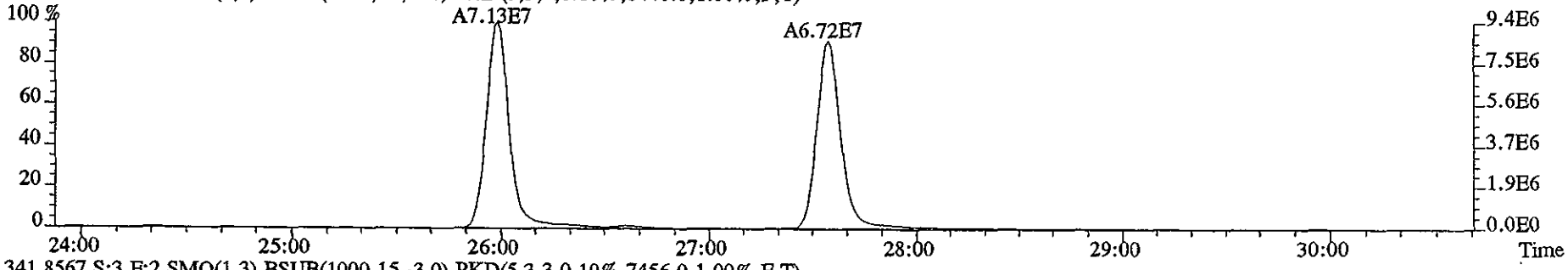


333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)

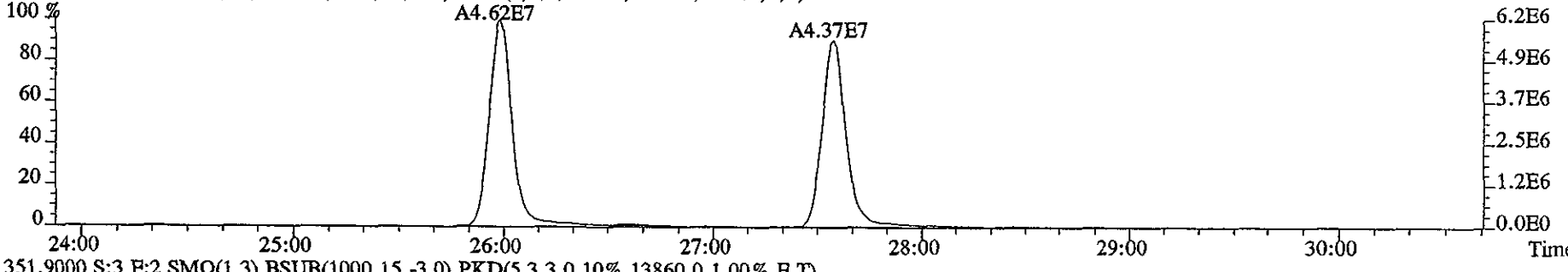


File:11MY10A4D5 #1-543 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

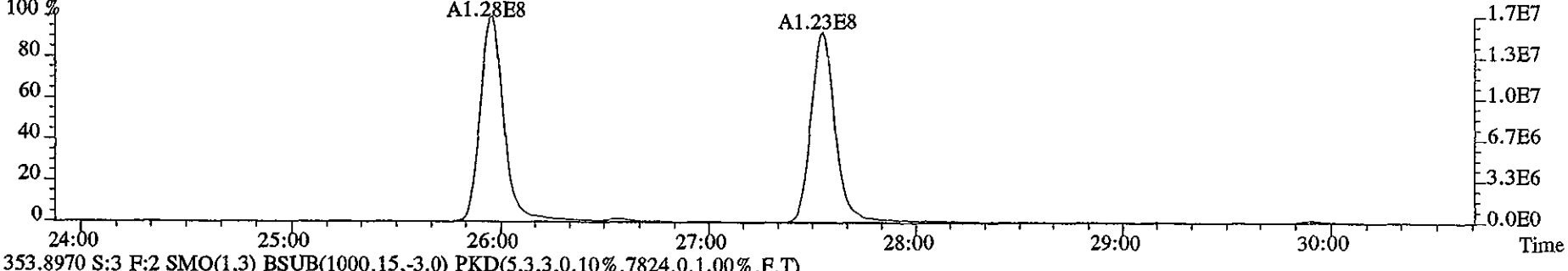
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8448.0,1.00%,F,T)



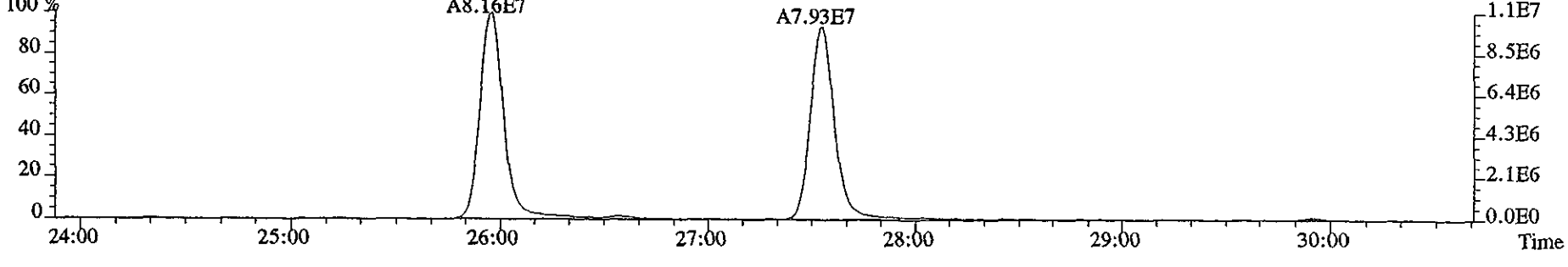
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7456.0,1.00%,F,T)



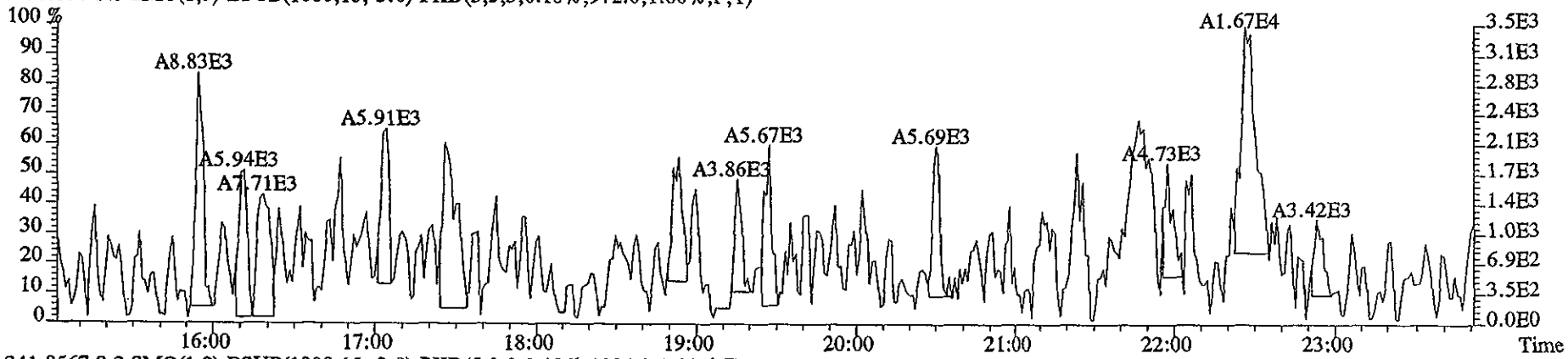
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13860.0,1.00%,F,T)



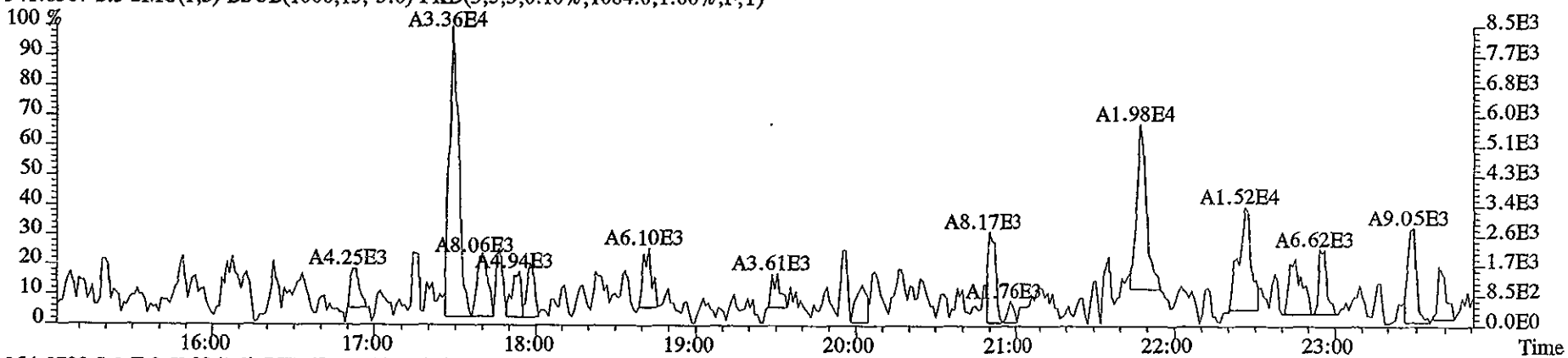
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7824.0,1.00%,F,T)



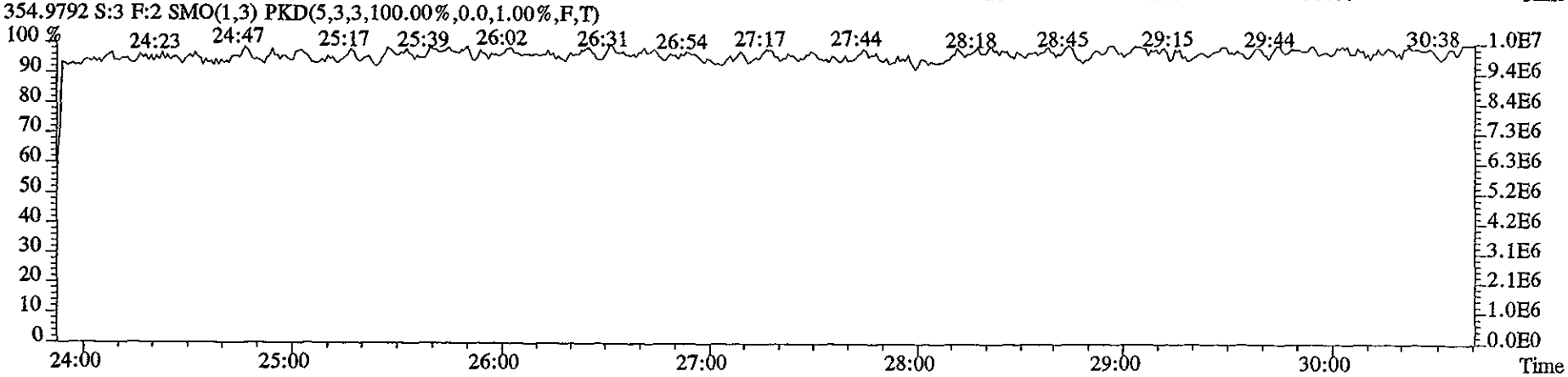
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,972.0,1.00%,F,T)



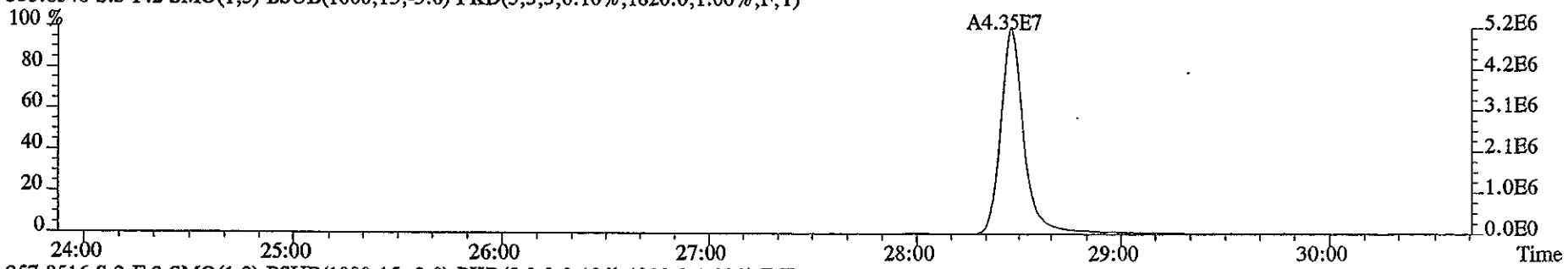
341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)



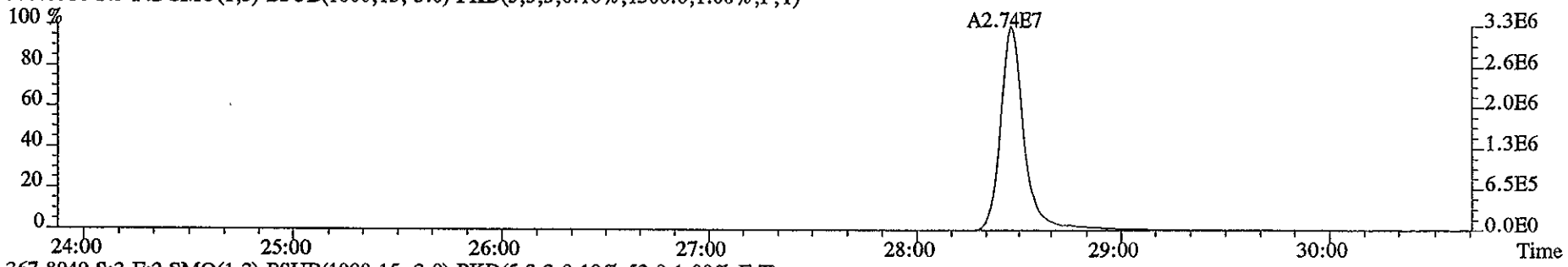
354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



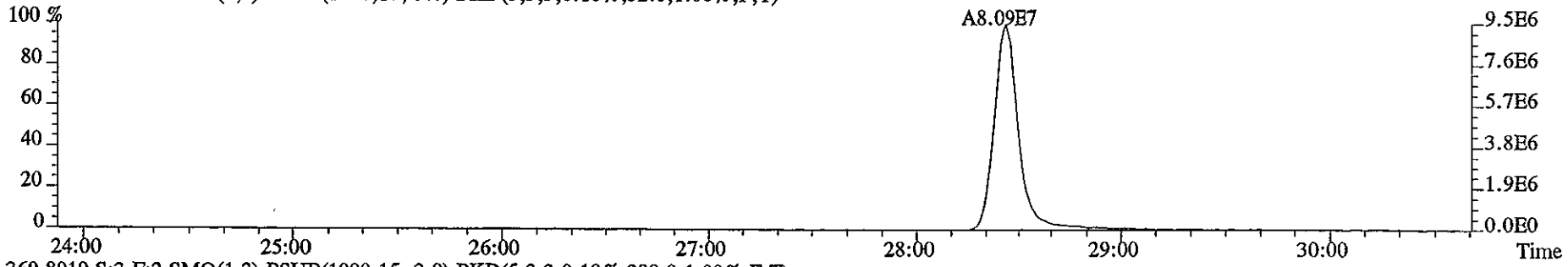
File:11MY10A4D5 #1-543 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)



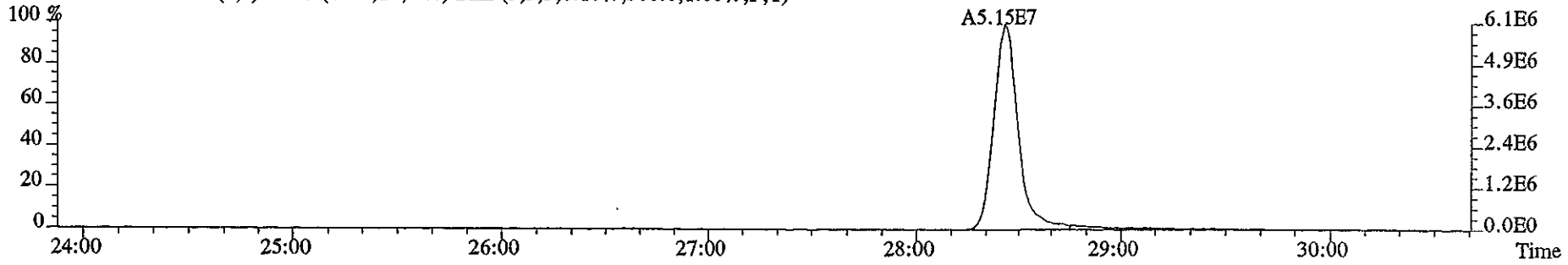
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1300.0,1.00%,F,T)



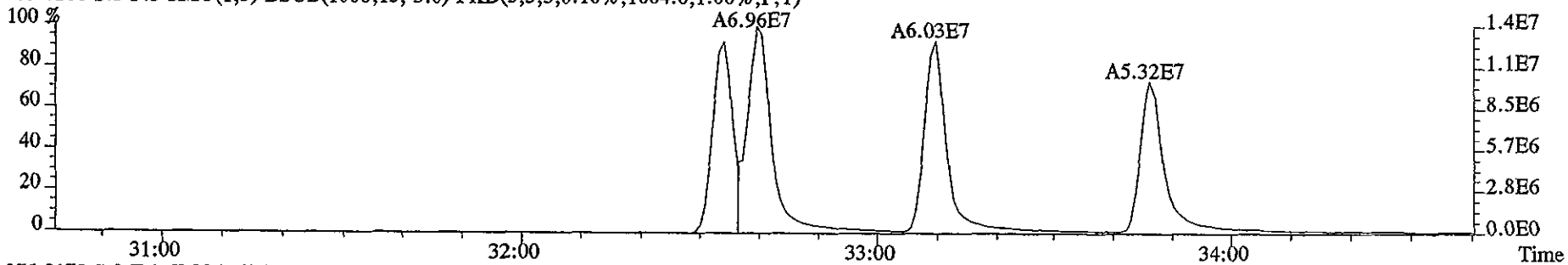
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



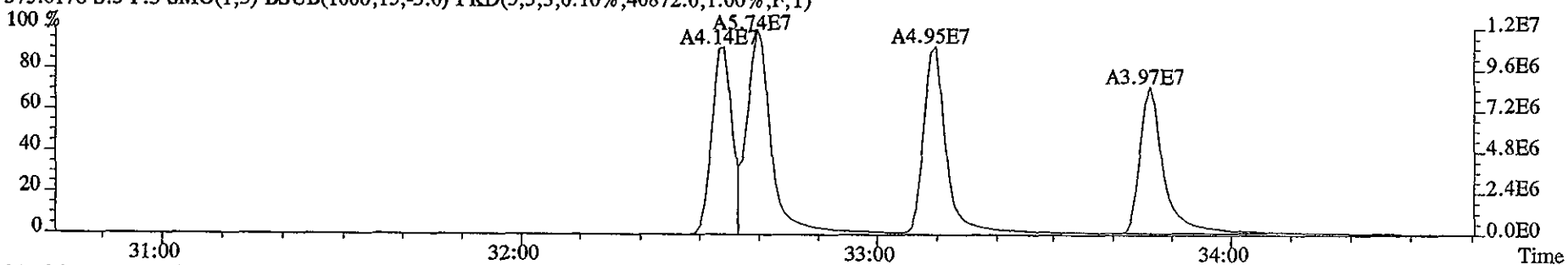
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,388.0,1.00%,F,T)



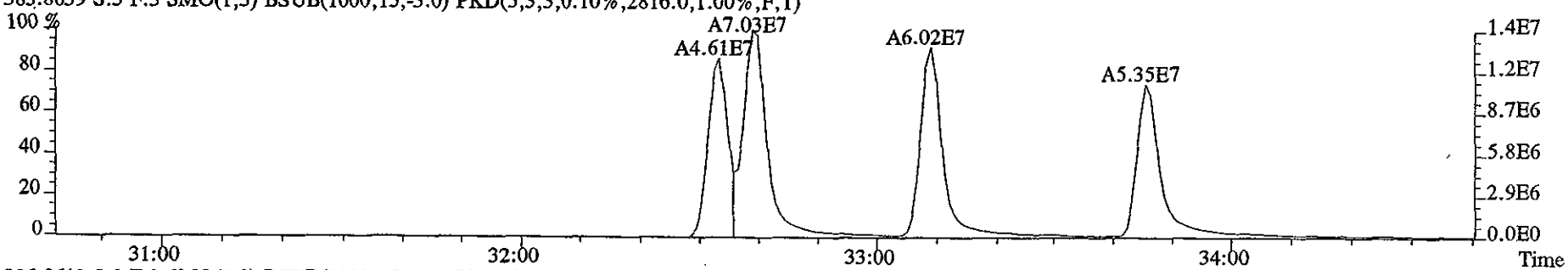
File:11MY10A4D5 #1-301 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1664.0,1.00%,F,T)



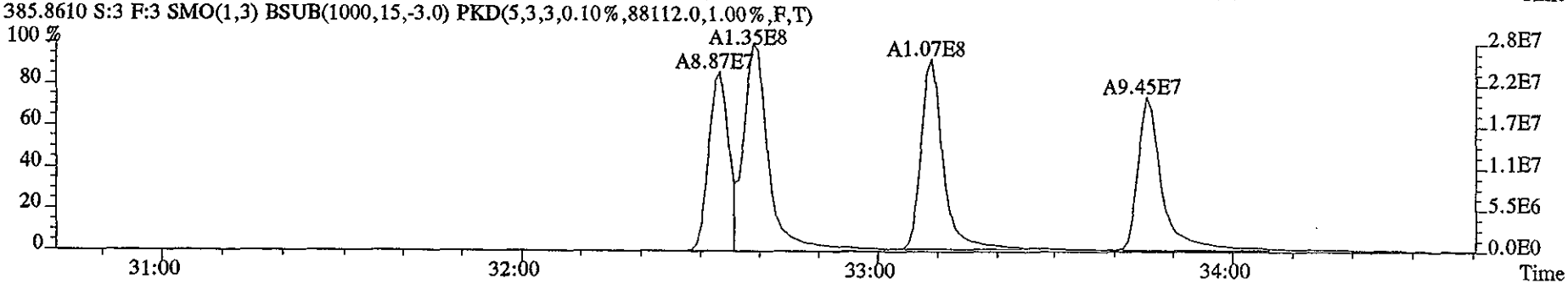
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40872.0,1.00%,F,T)



383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2816.0,1.00%,F,T)

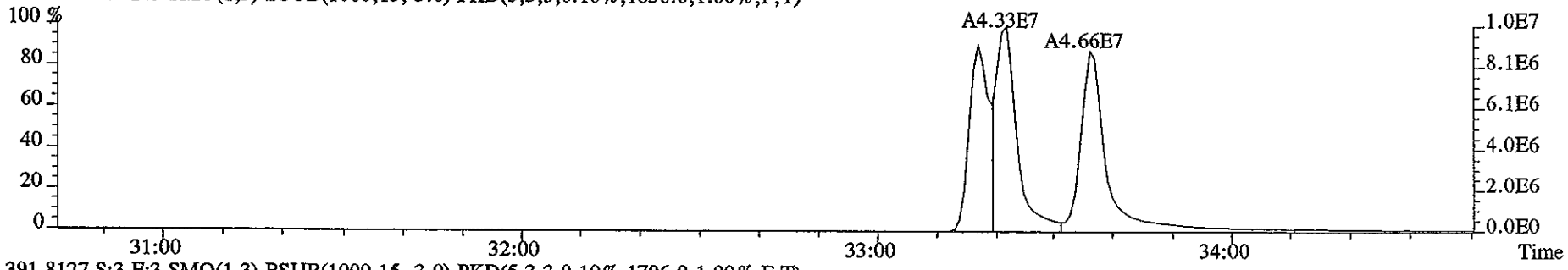


385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88112.0,1.00%,F,T)

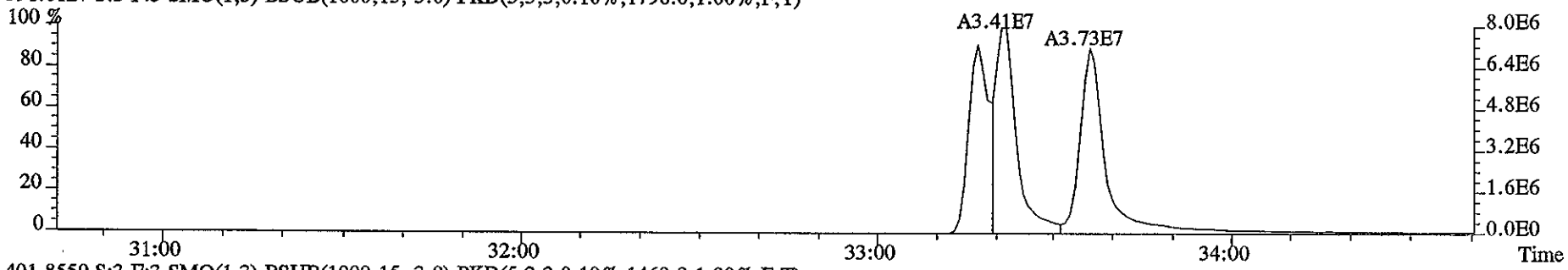


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

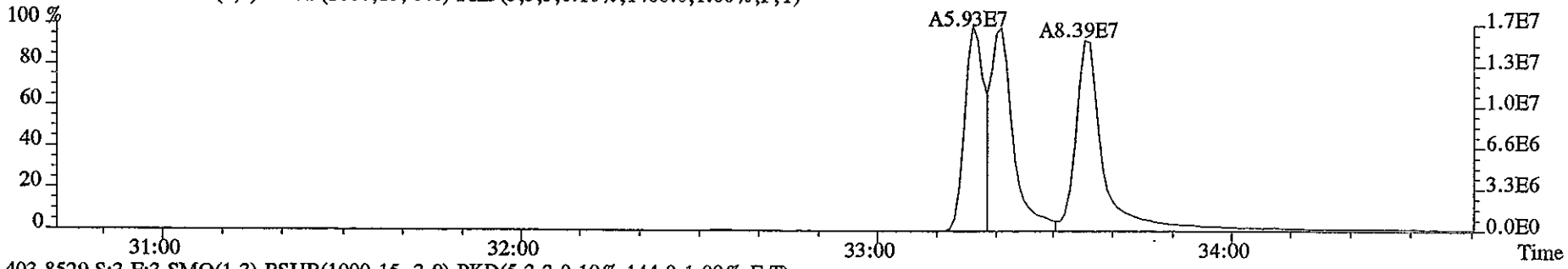
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1836.0,1.00%,F,T)



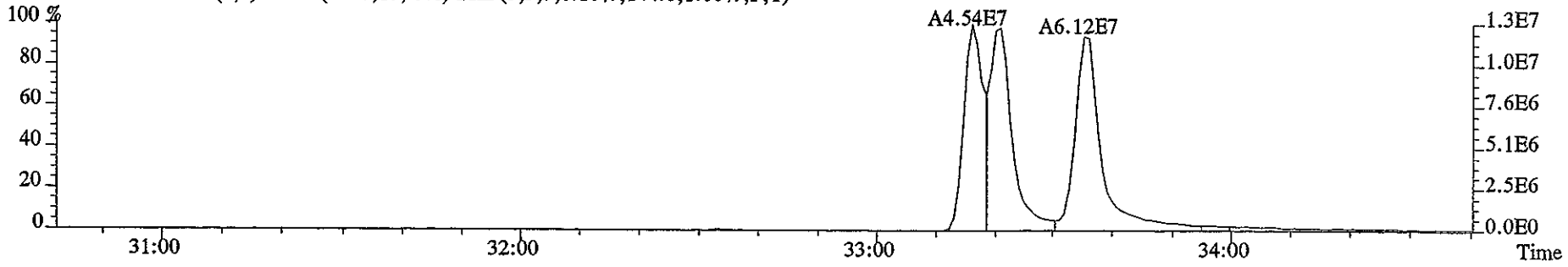
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1796.0,1.00%,F,T)



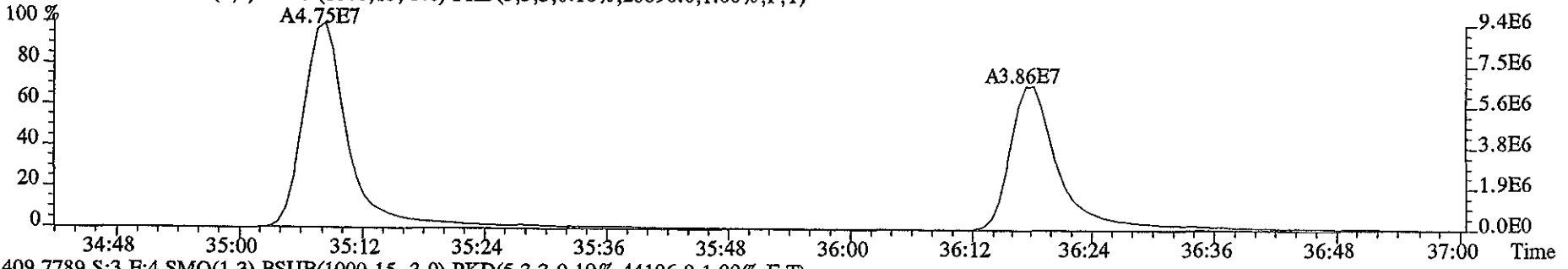
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1468.0,1.00%,F,T)



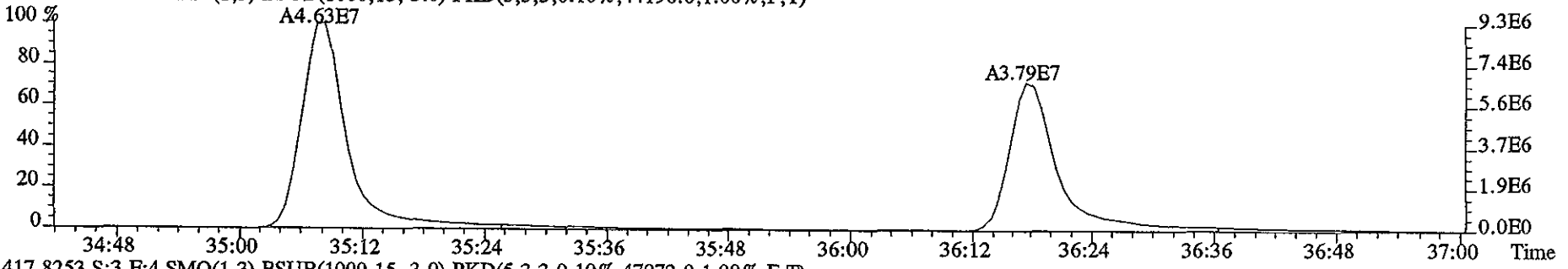
403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



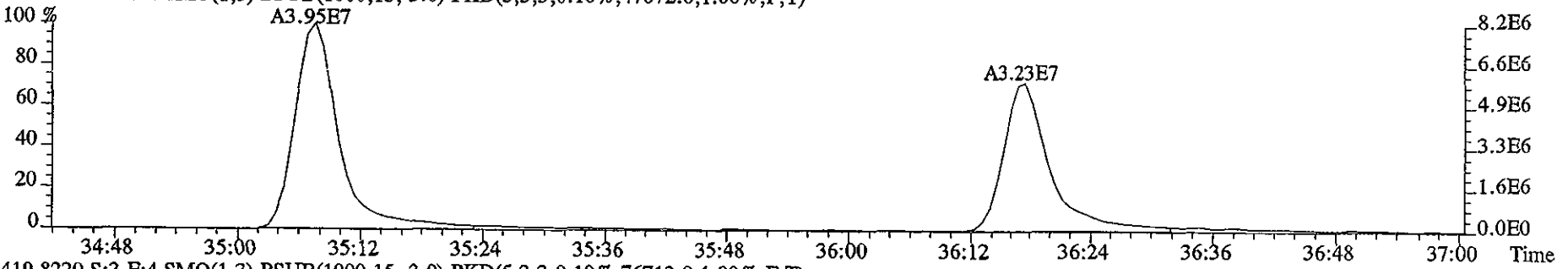
File:11MY10A4D5 #1-185 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28896.0,1.00%,F,T)



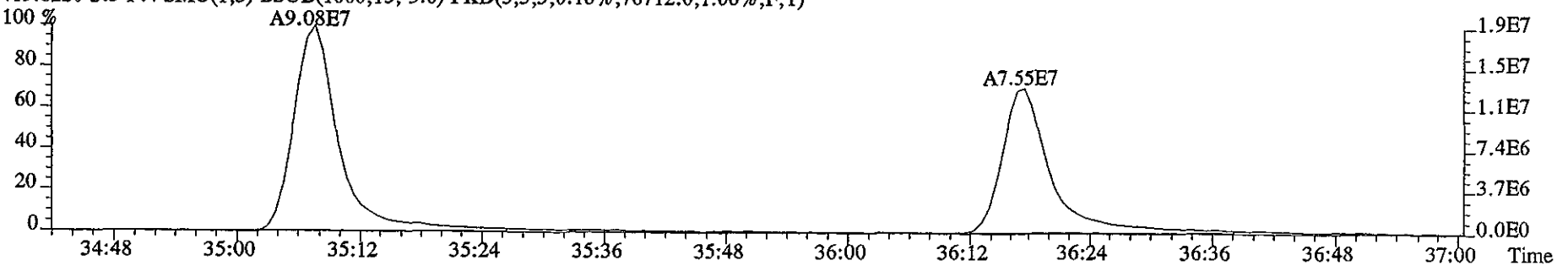
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44196.0,1.00%,F,T)



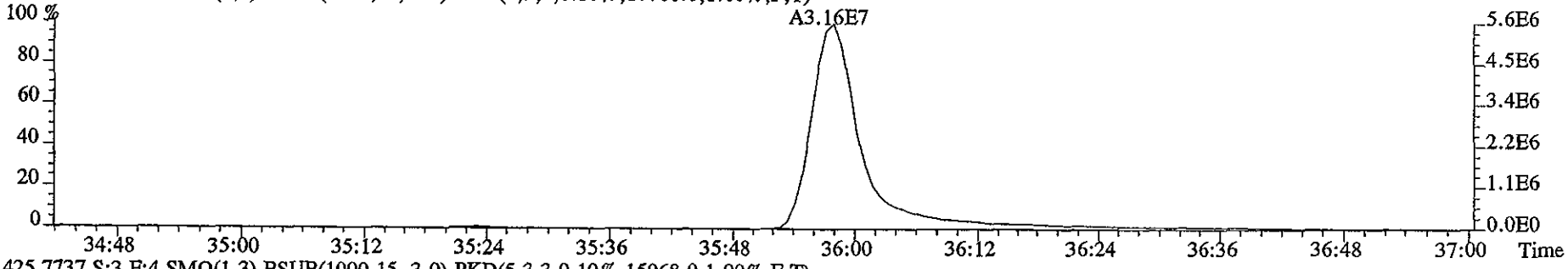
417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,47072.0,1.00%,F,T)



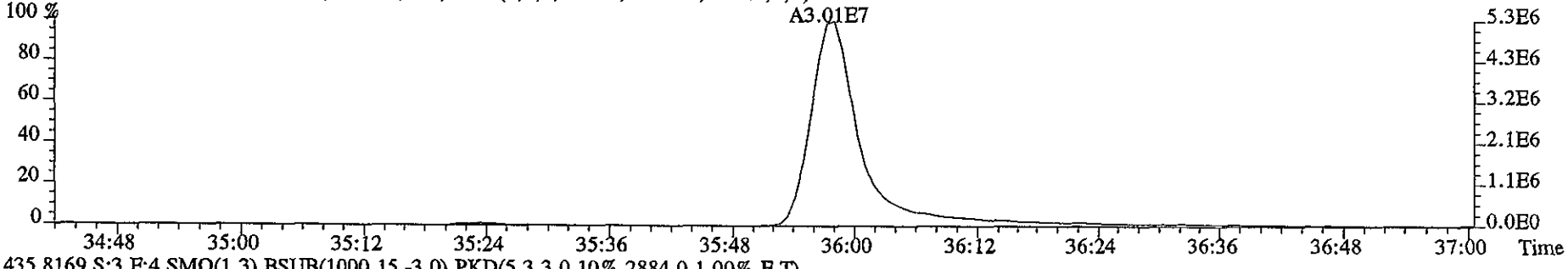
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76712.0,1.00%,F,T)



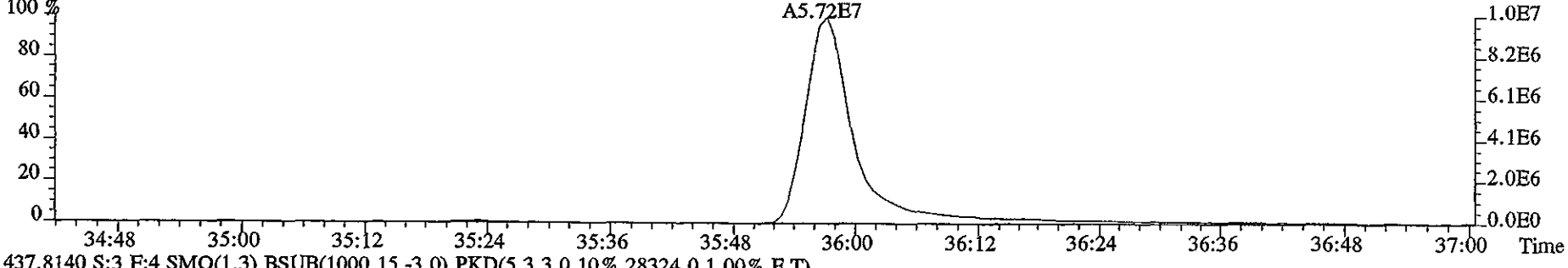
File:11MY10A4D5 #1-185 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17768.0,1.00%,F,T)



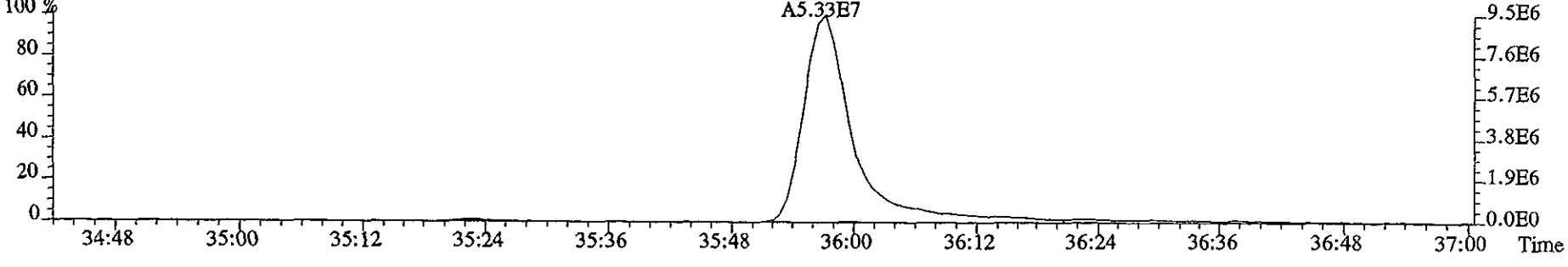
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15068.0,1.00%,F,T)



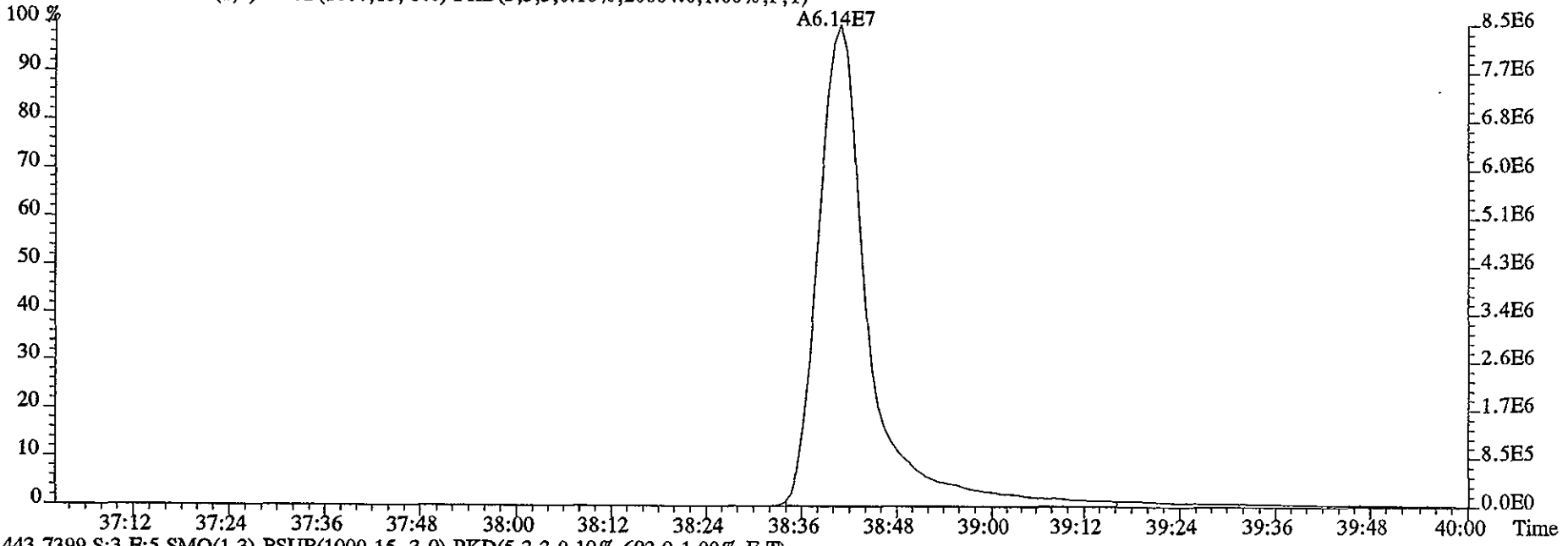
435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2884.0,1.00%,F,T)



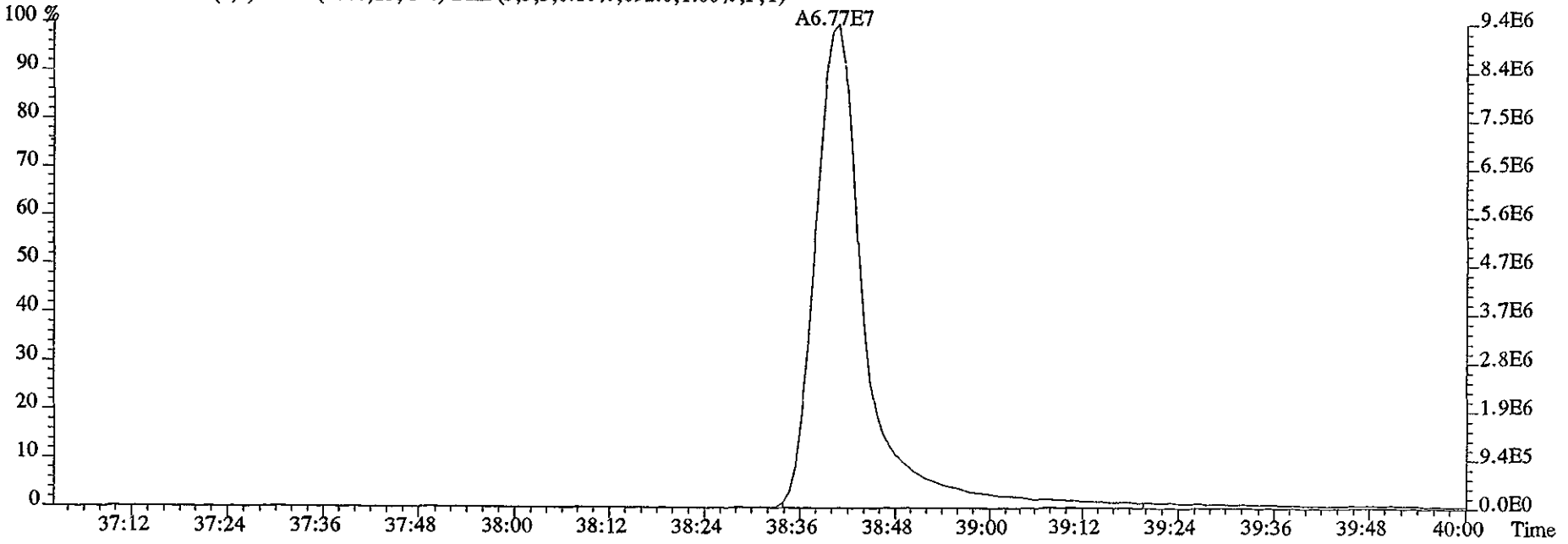
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28324.0,1.00%,F,T)



File:11MY10A4D5 #1-228 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20864.0,1.00%,F,T)

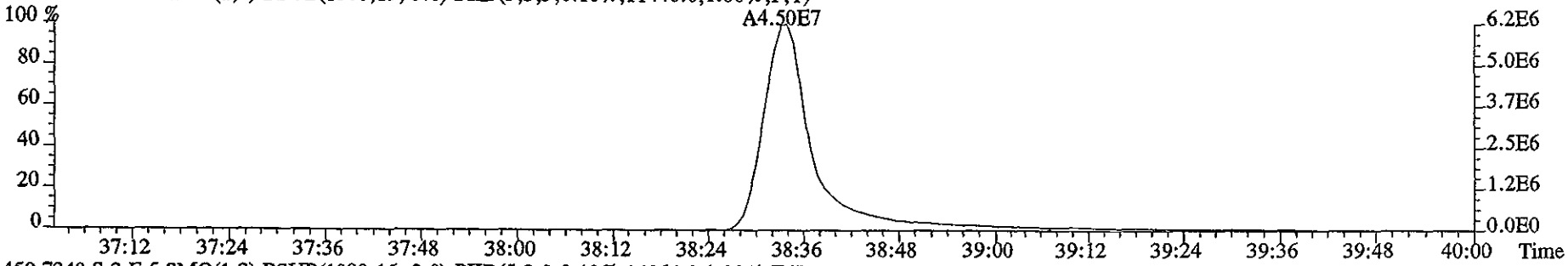


443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692.0,1.00%,F,T)

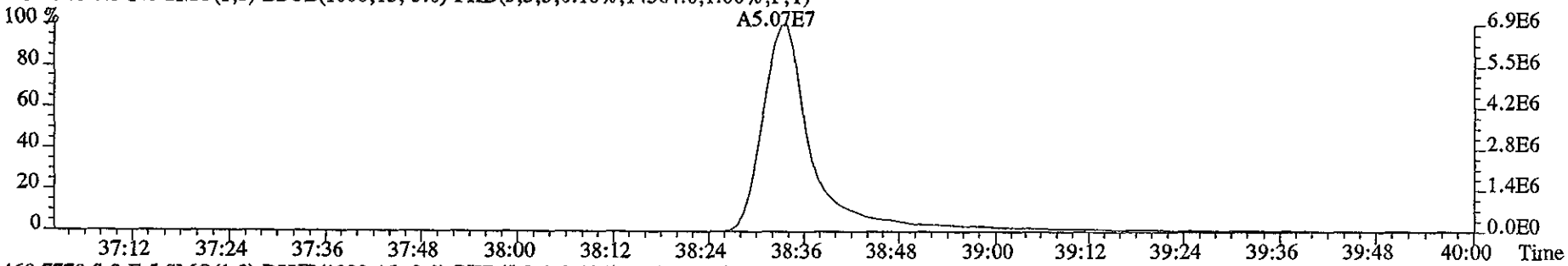


File:11MY10A4D5 #1-228 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

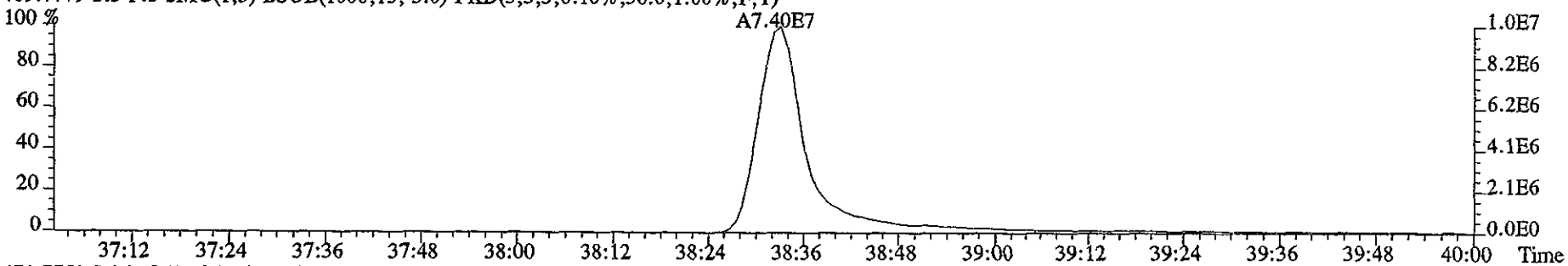
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11448.0,1.00%,F,T)



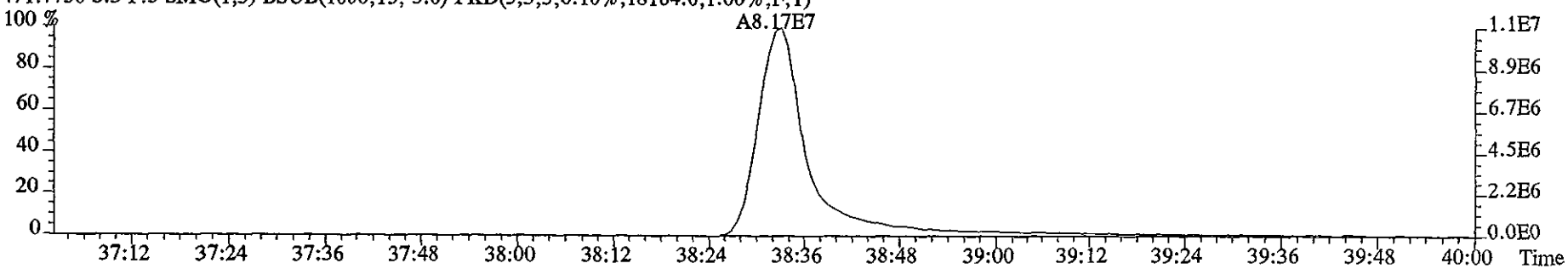
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14364.0,1.00%,F,T)



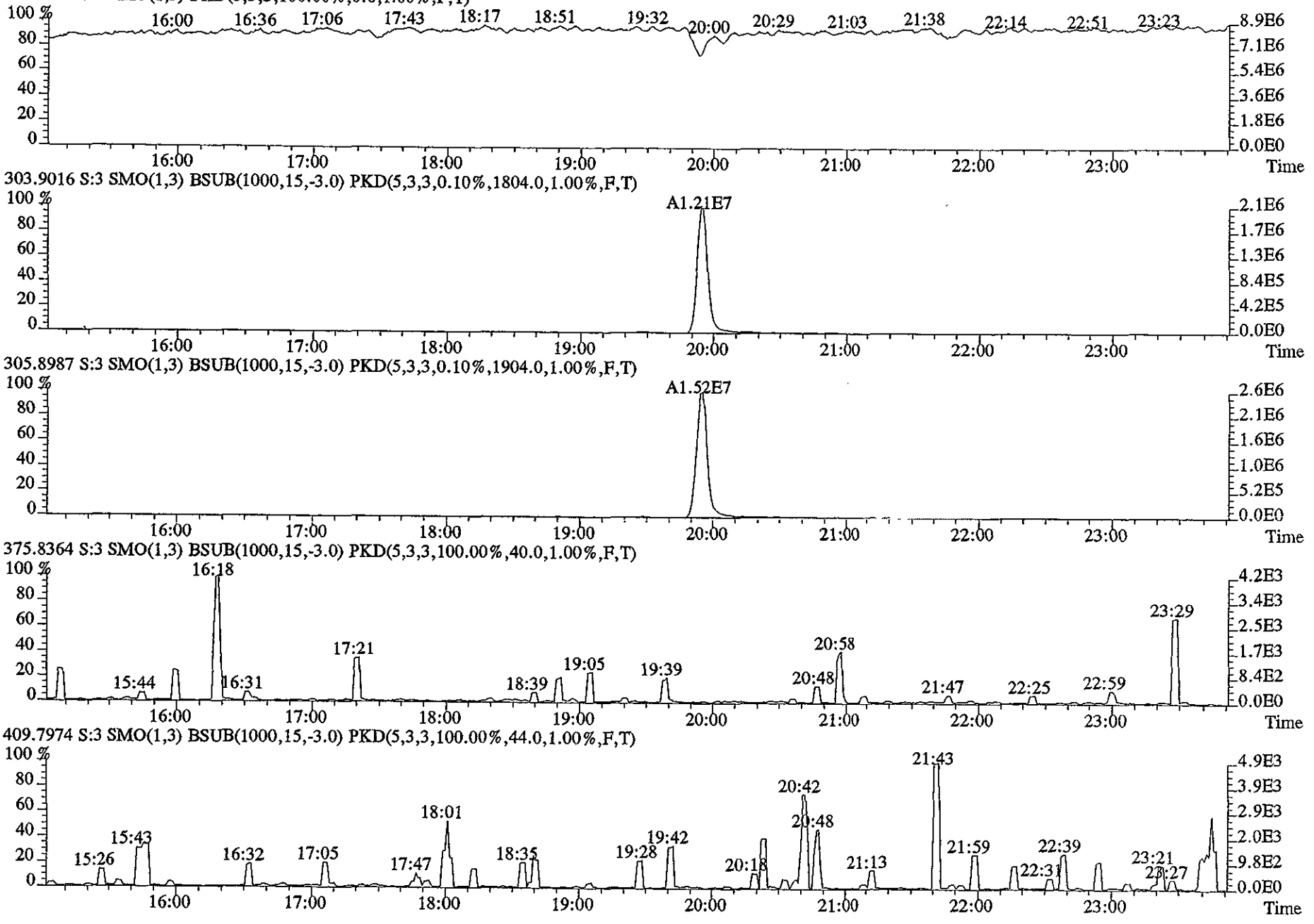
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36.0,1.00%,F,T)



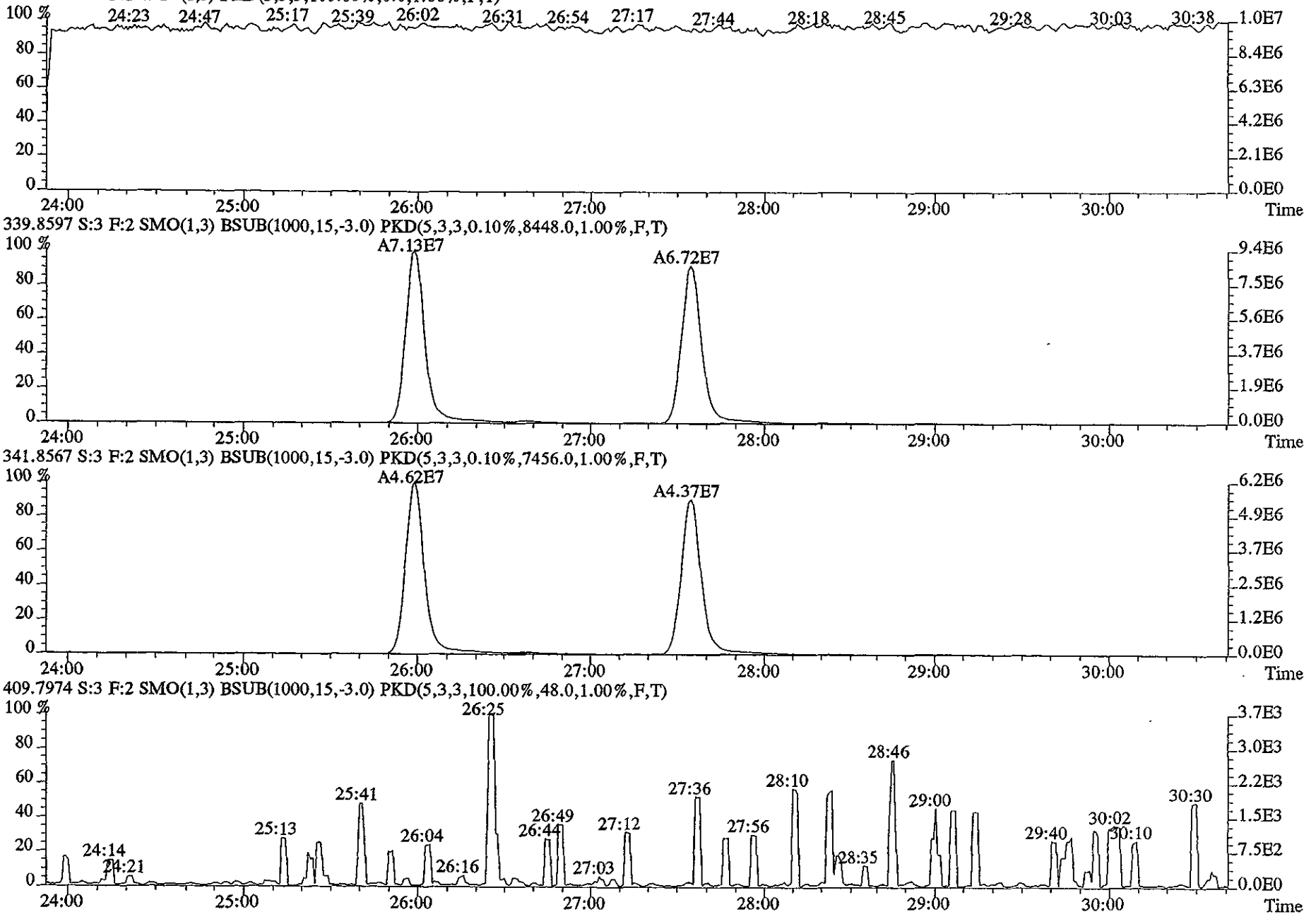
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18164.0,1.00%,F,T)



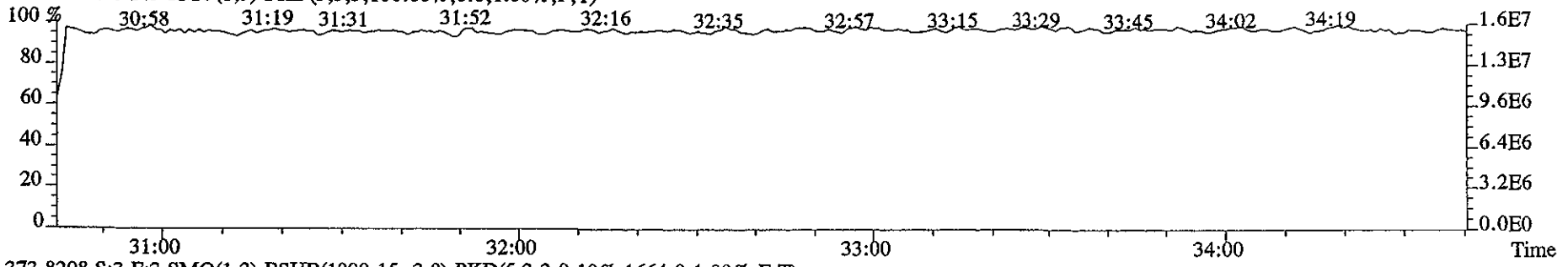
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

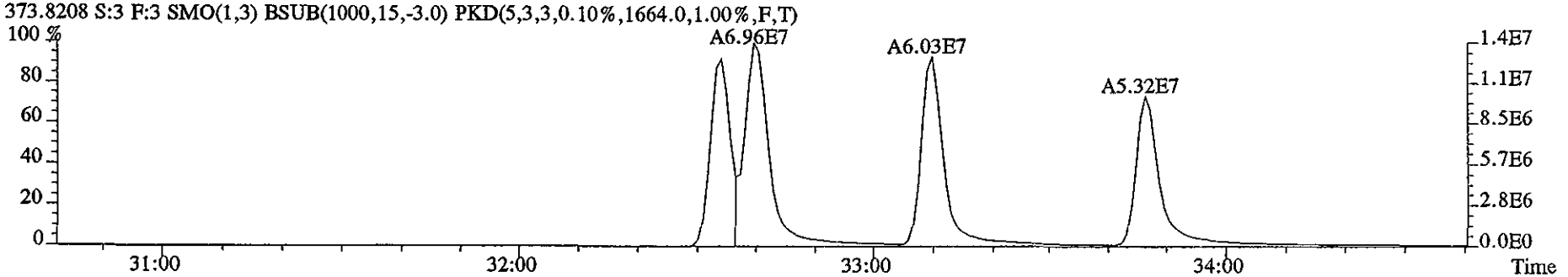


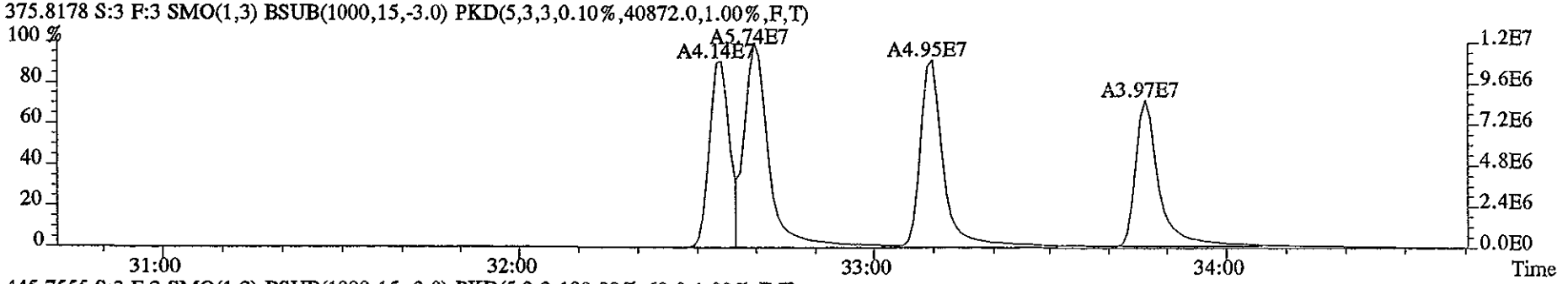
File:11MY10A4D5 #1-543 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

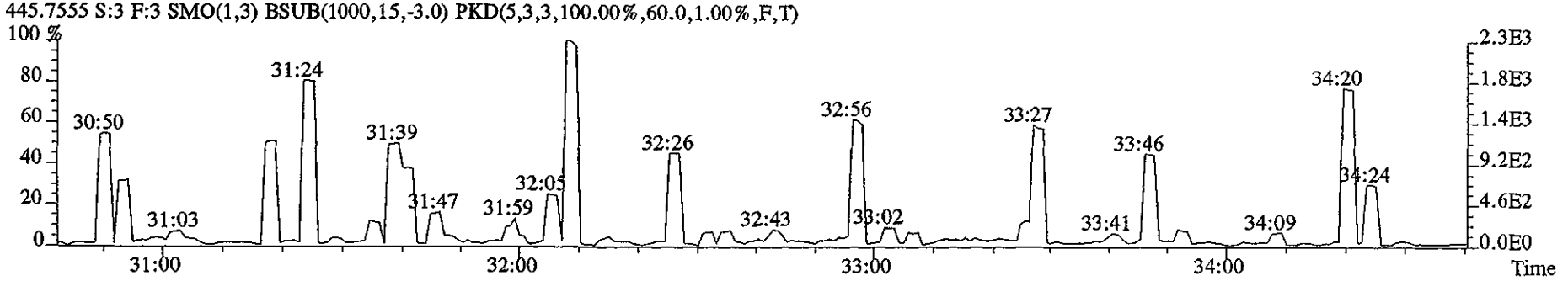


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

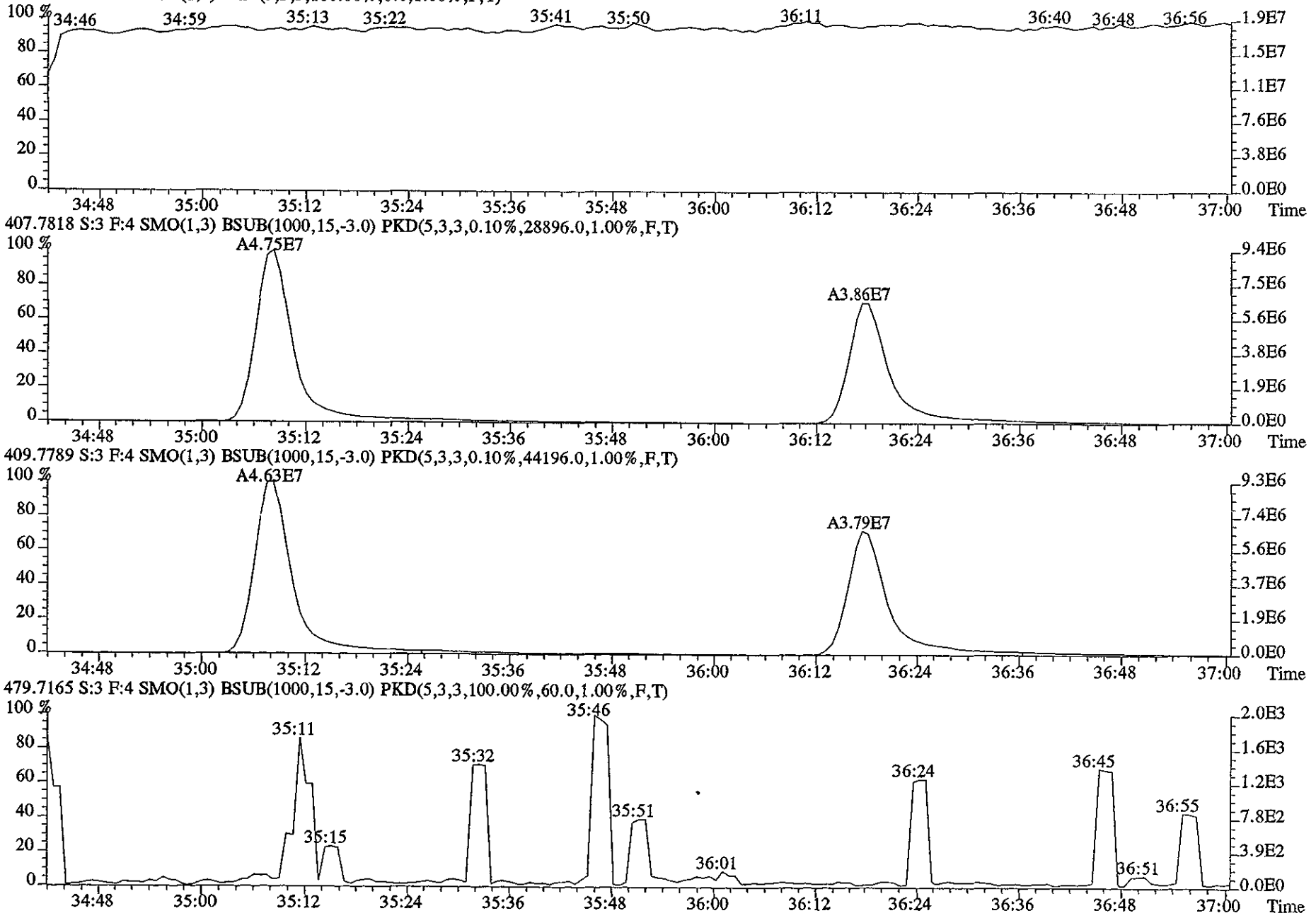




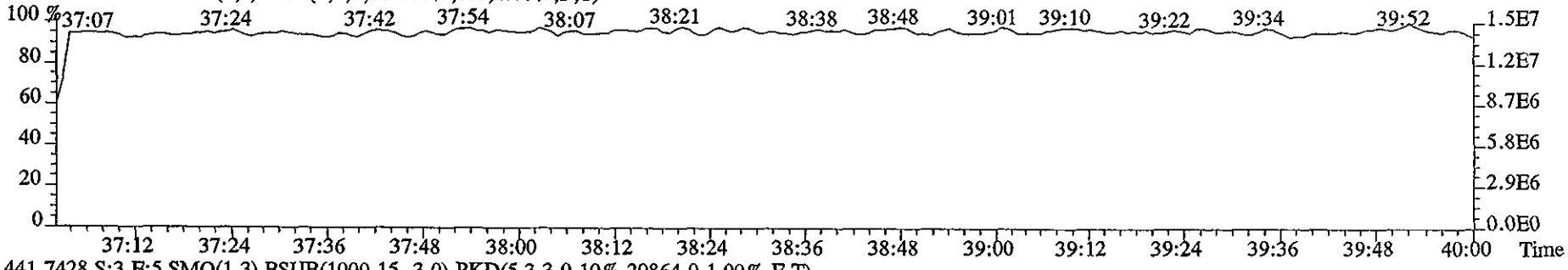


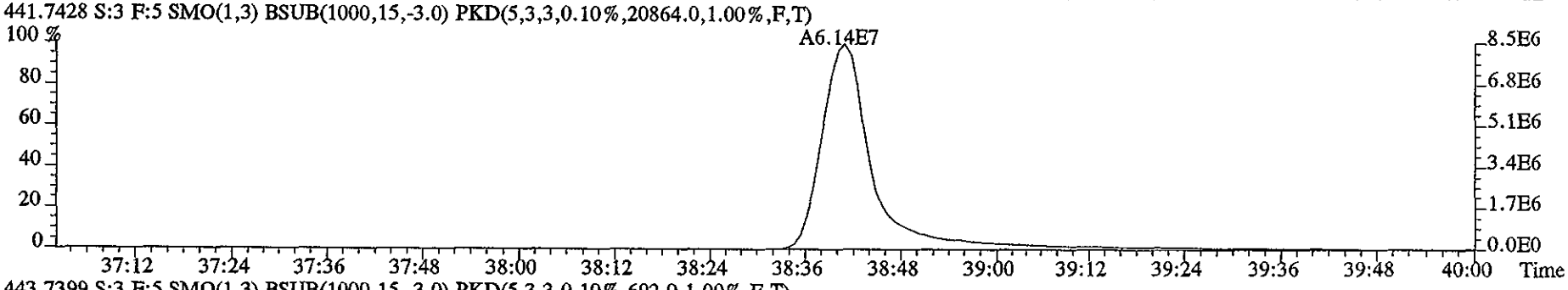


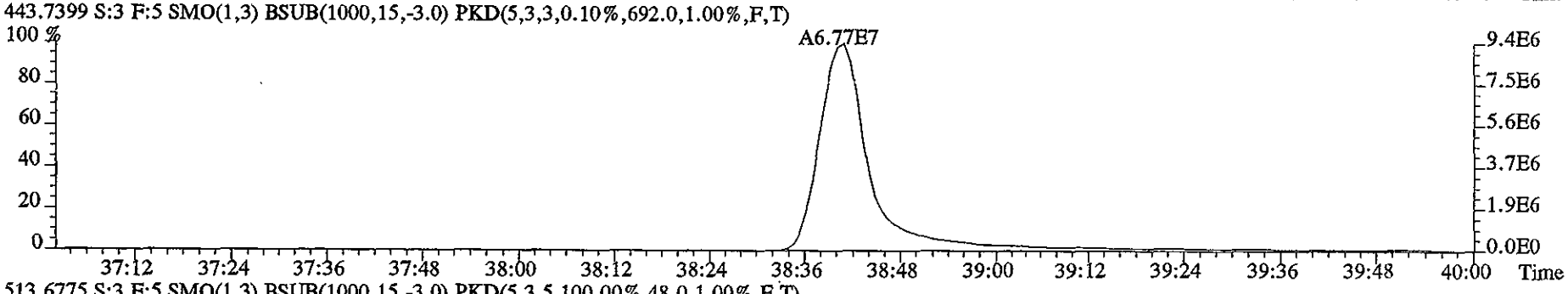
File:11MY10A4D5 #1-185 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A

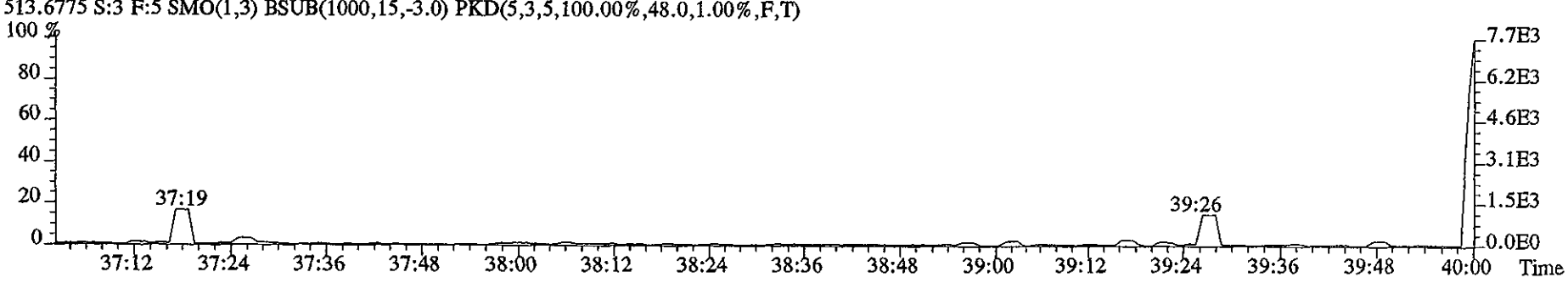


File:11MY10A4D5 #1-228 Acq:11-MAY-2010 14:08:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0511A :CS-3 10DXN126 Exp:DIOXINRES8290A



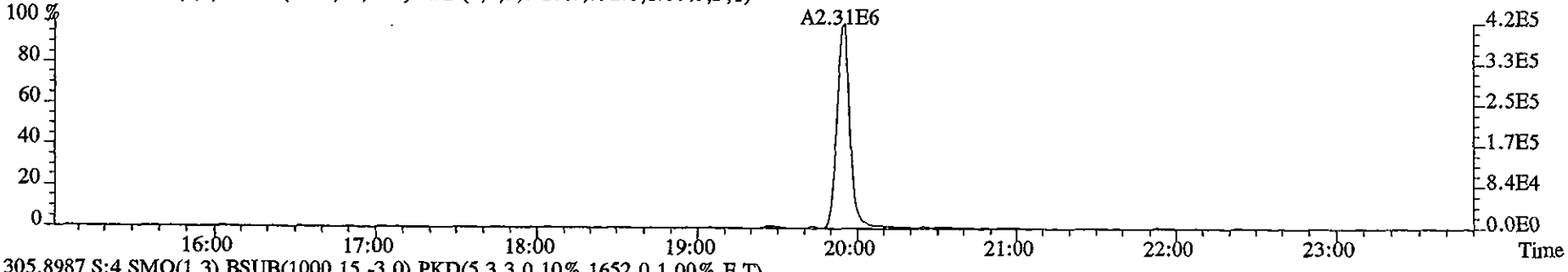




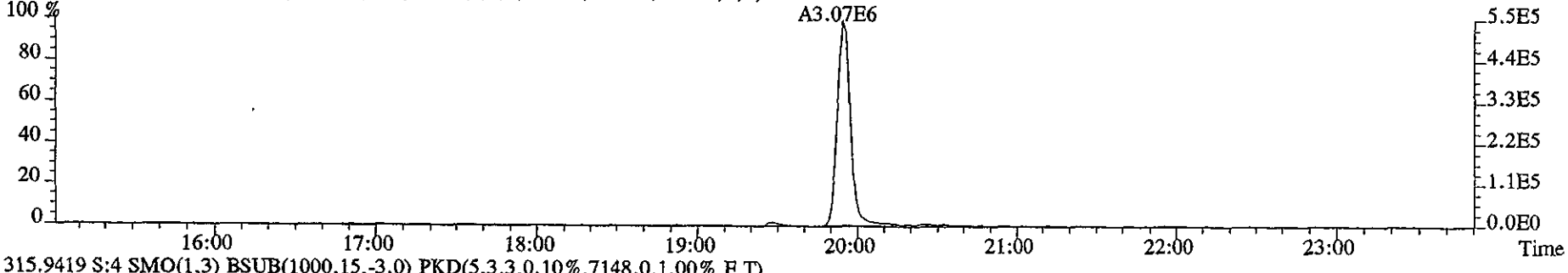


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

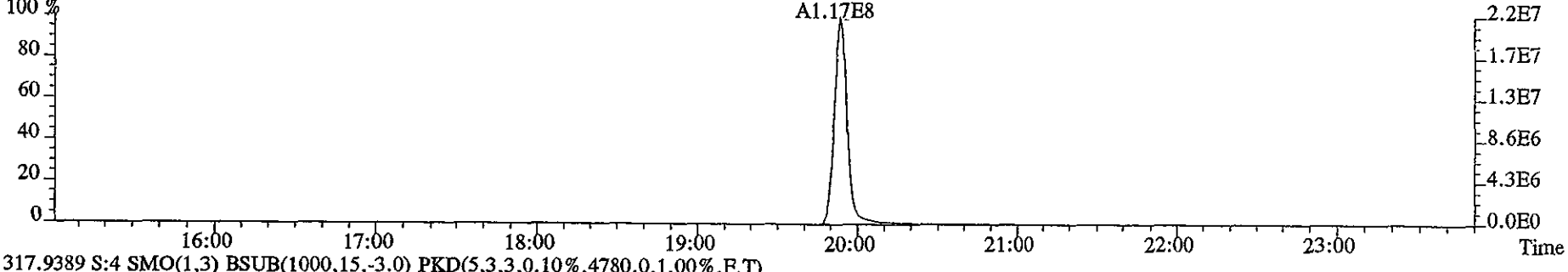
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,792.0,1.00%,F,T)



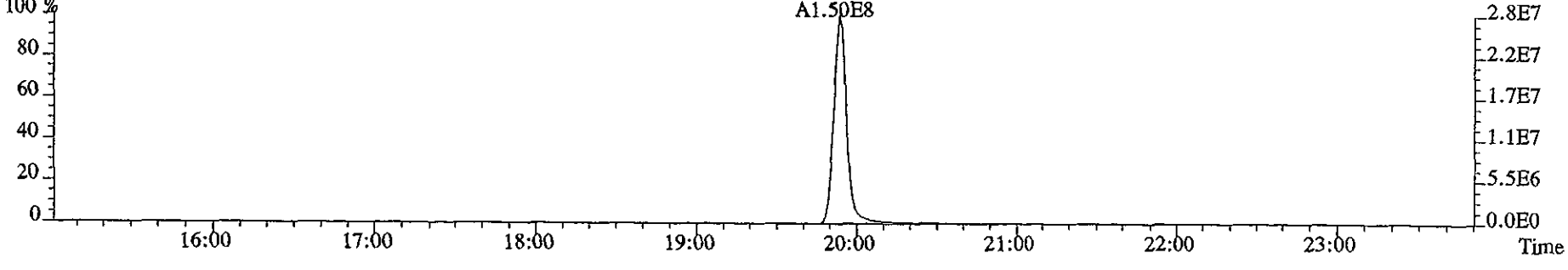
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7148.0,1.00%,F,T)

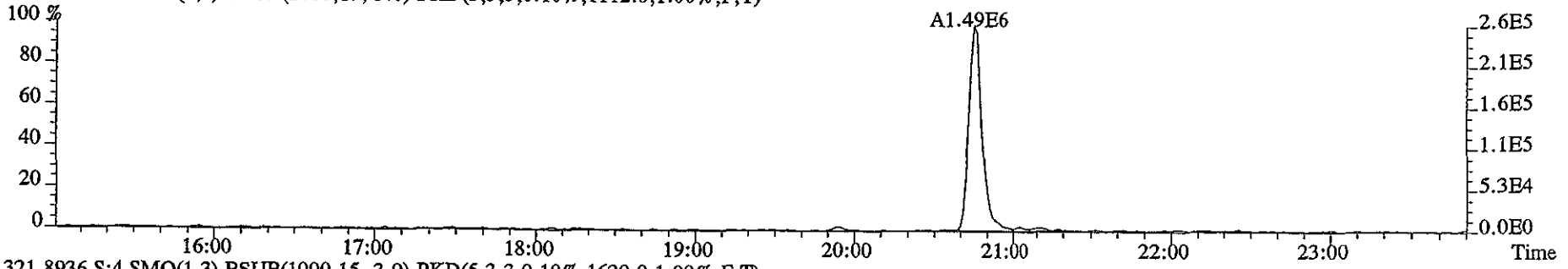


317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4780.0,1.00%,F,T)

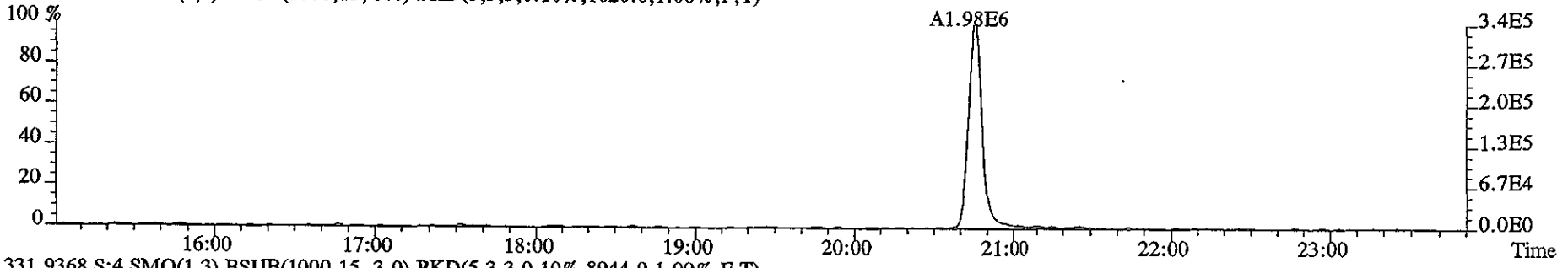


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

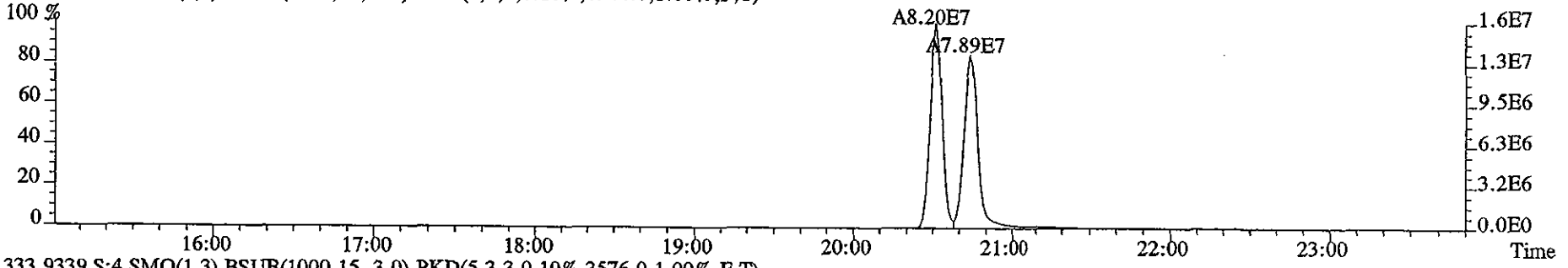
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1112.0,1.00%,F,T)



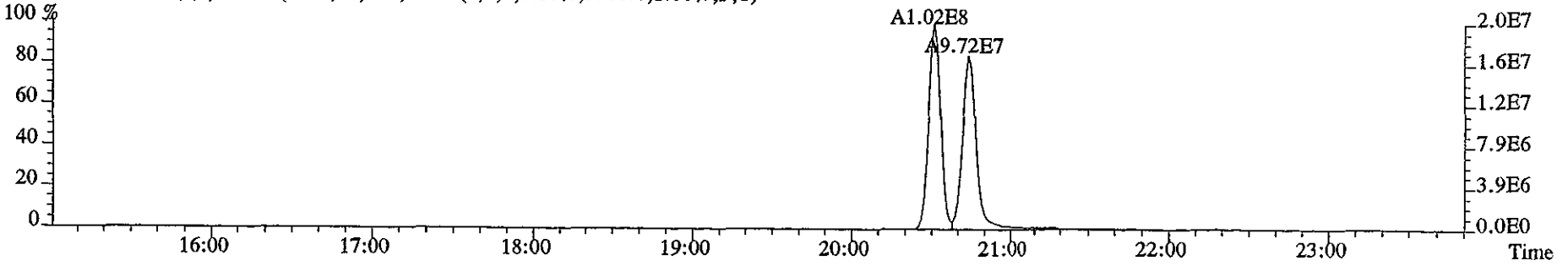
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1620.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8944.0,1.00%,F,T)

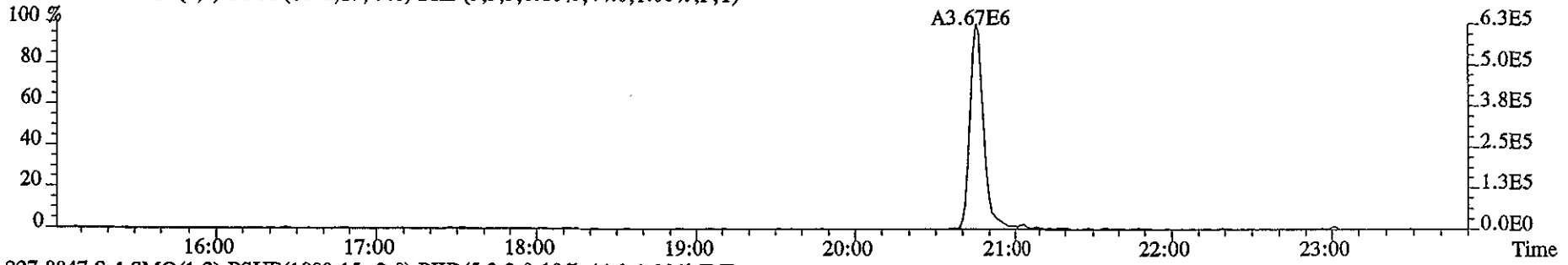


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)

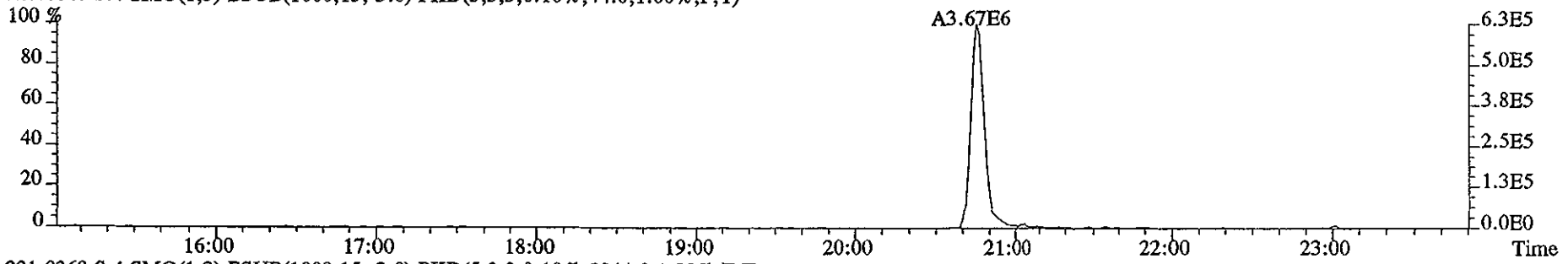


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

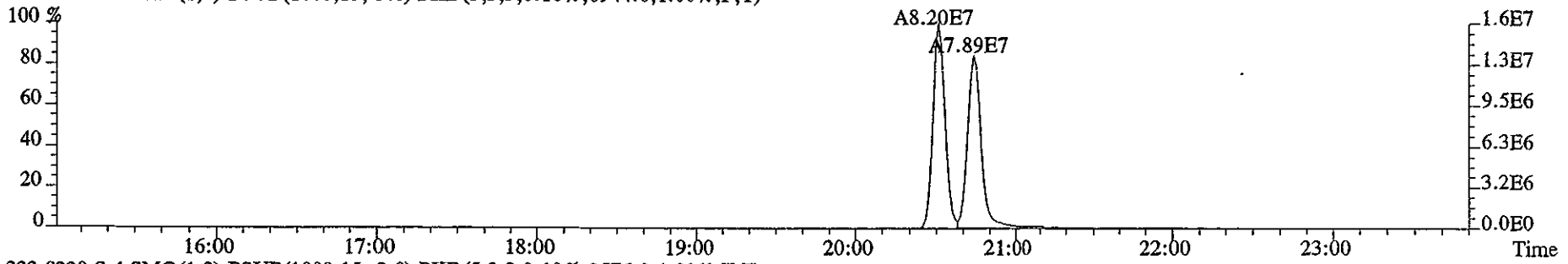
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)



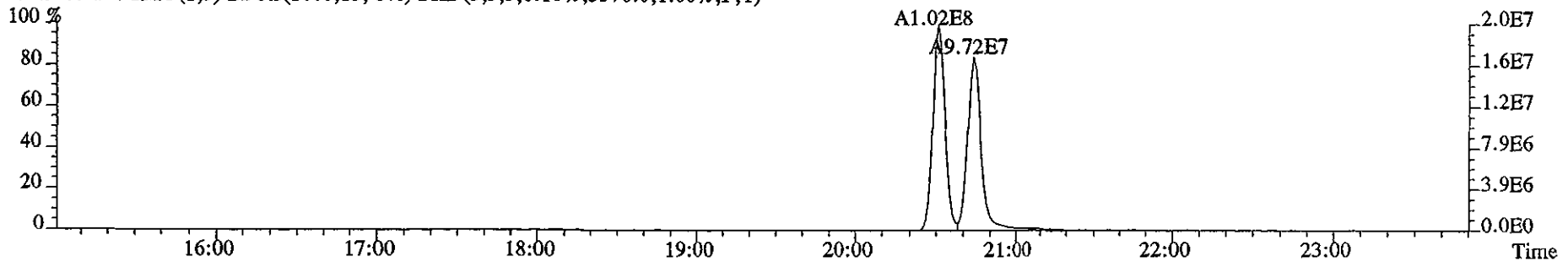
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)



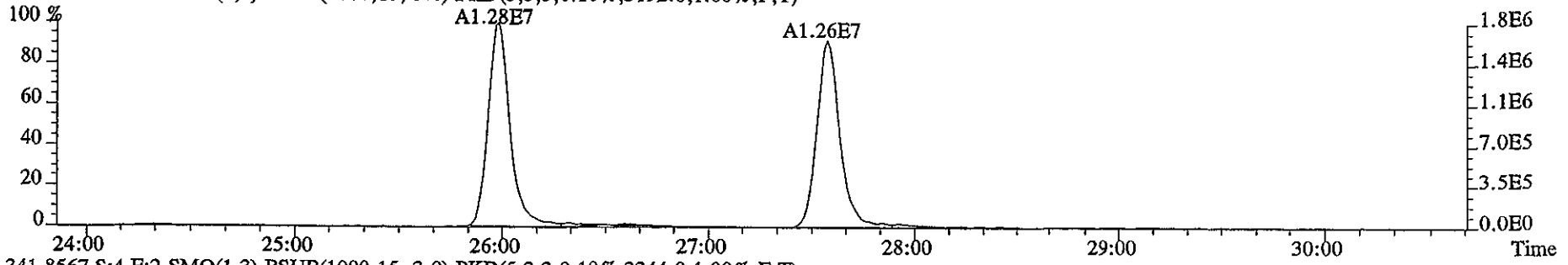
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8944.0,1.00%,F,T)



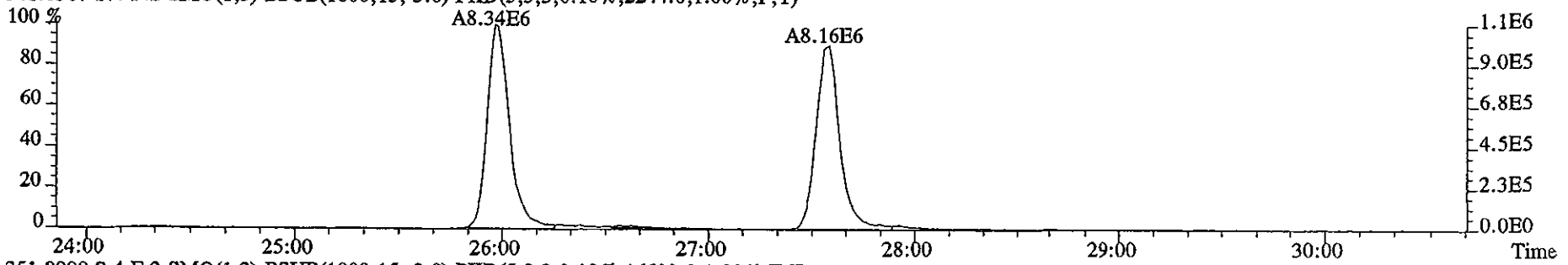
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)



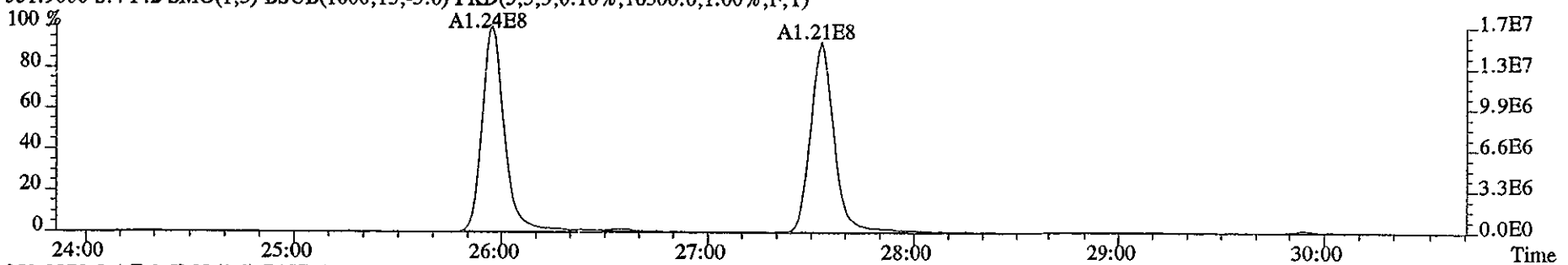
File:11MY10A4D5 #1-544 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3192.0,1.00%,F,T)



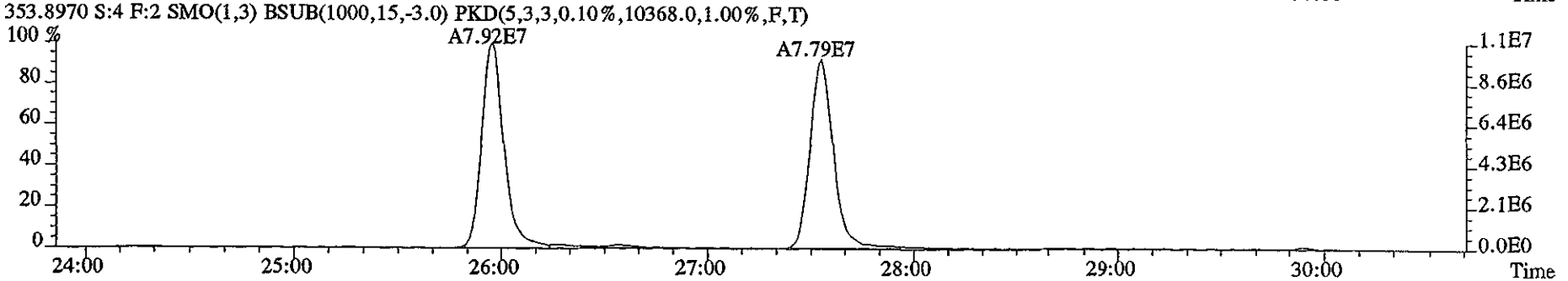
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2244.0,1.00%,F,T)



351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16500.0,1.00%,F,T)

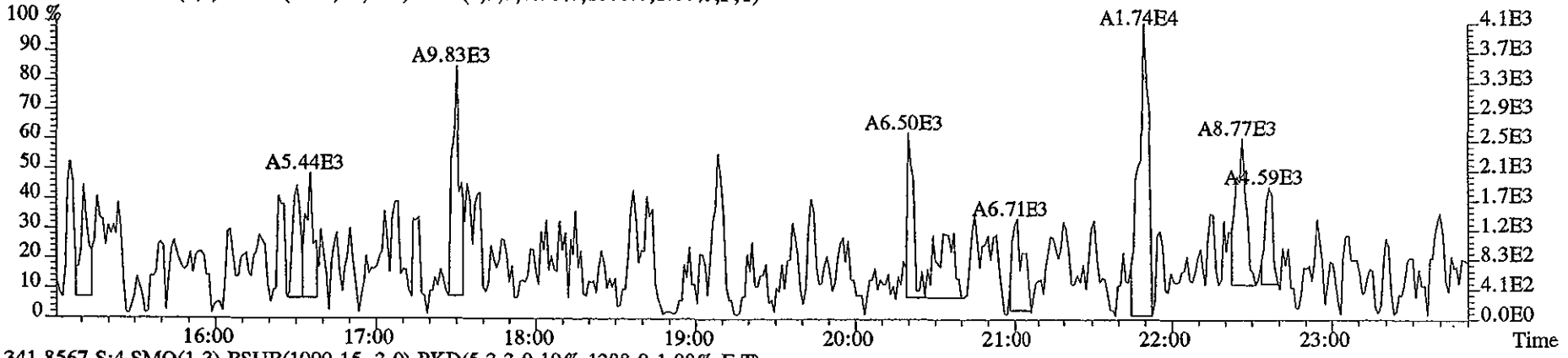


353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10368.0,1.00%,F,T)

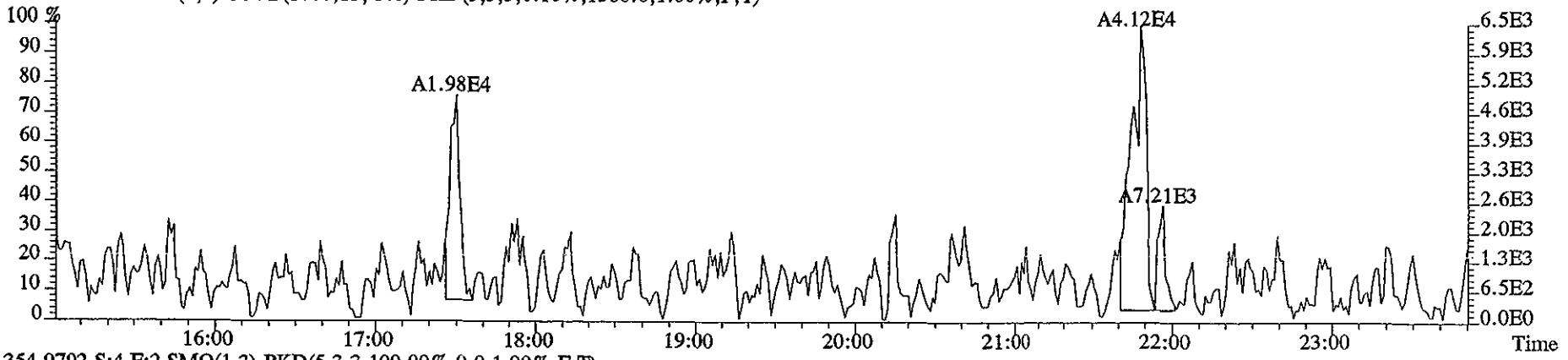


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

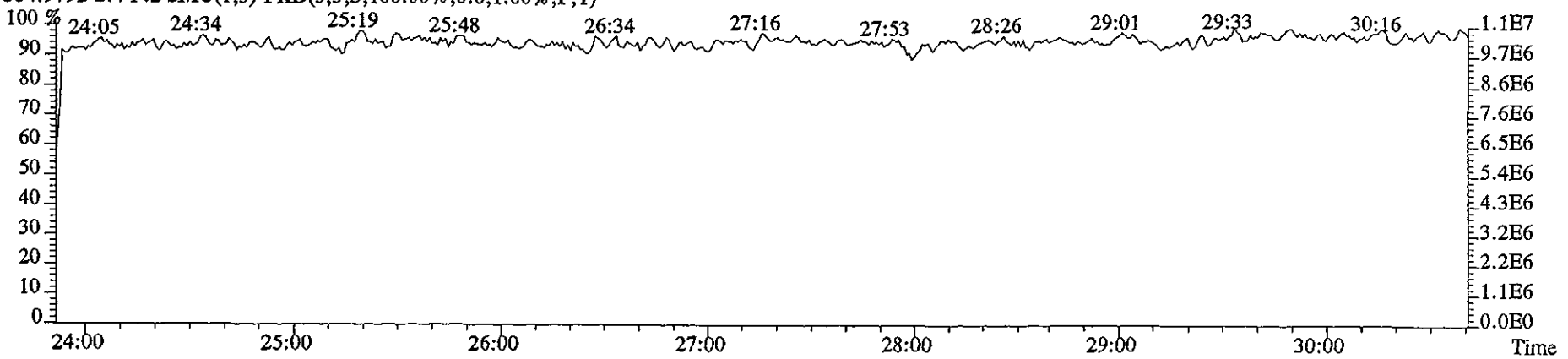
339.8597 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1008.0,1.00%,F,T)



341.8567 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1388.0,1.00%,F,T)

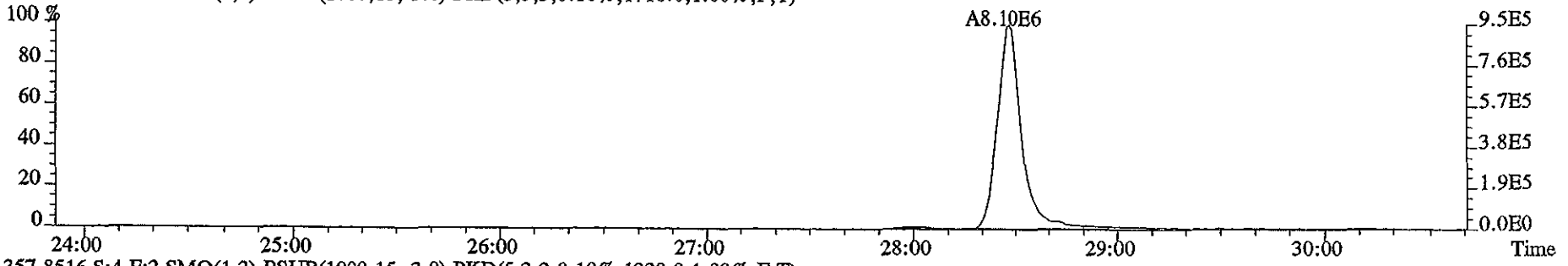


354.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

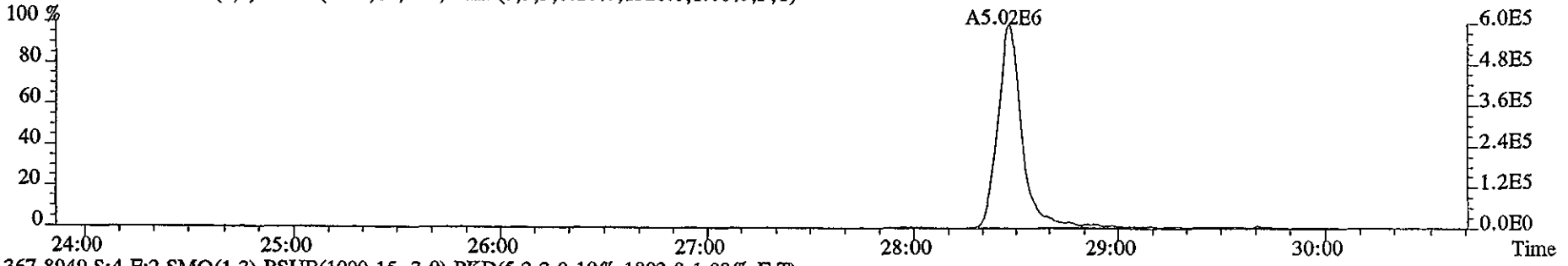


File:11MY10A4D5 #1-544 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

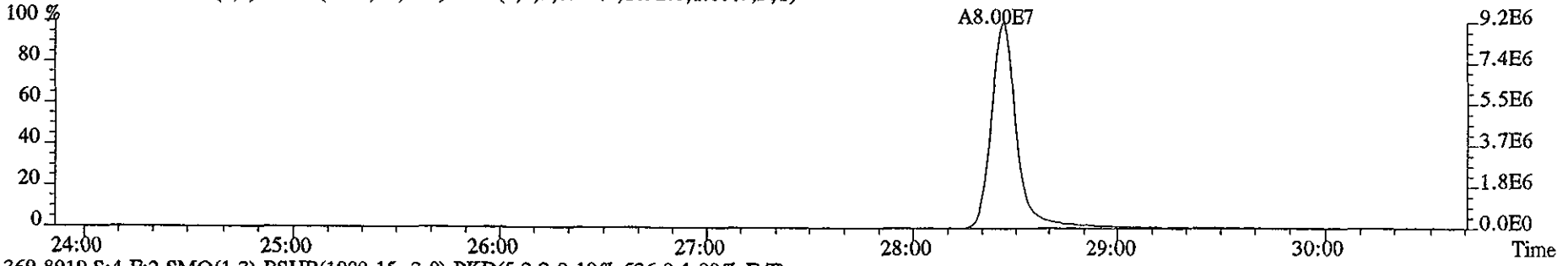
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1716.0,1.00%,F,T)



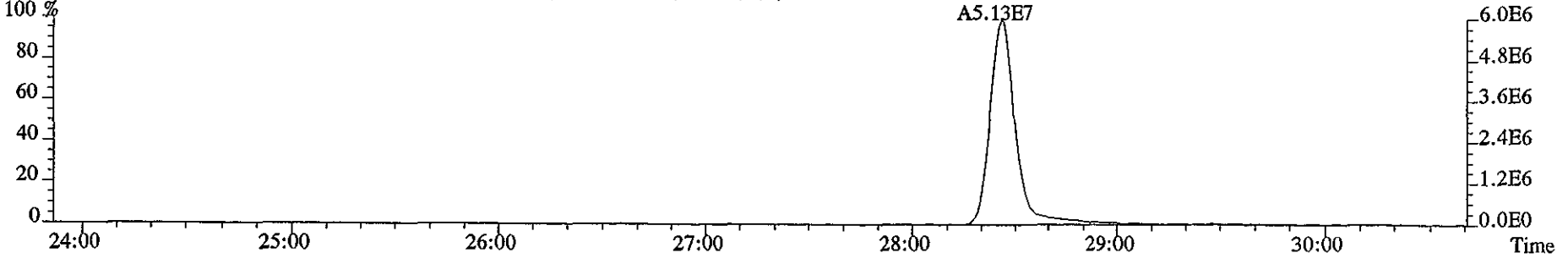
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1328.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)

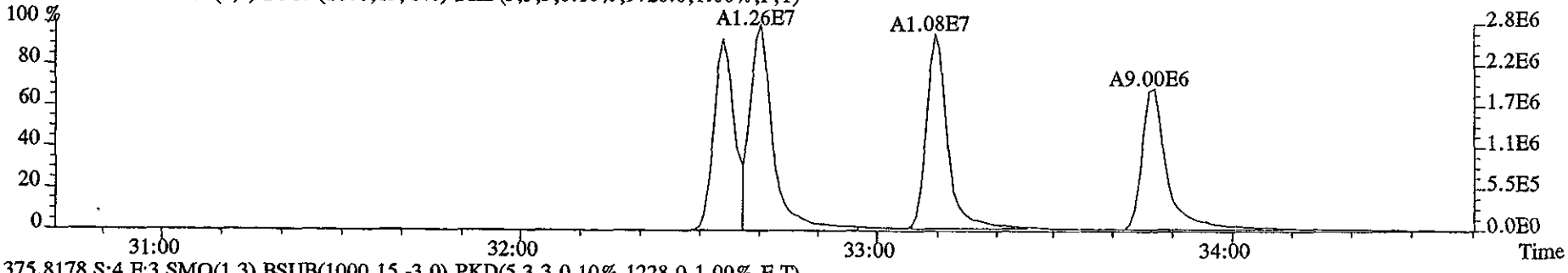


369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,536.0,1.00%,F,T)

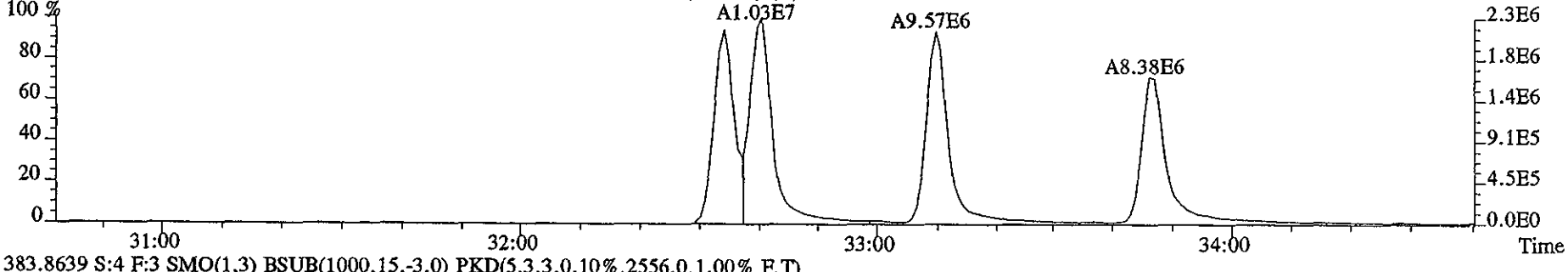


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

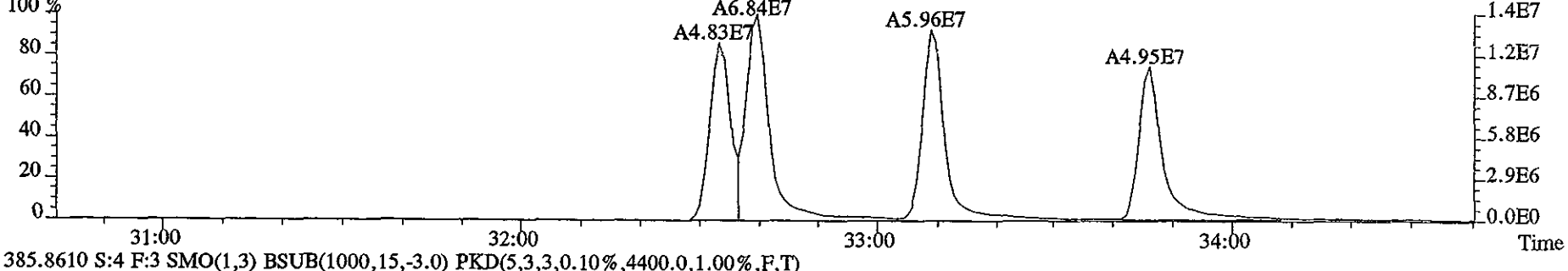
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9728.0,1.00%,F,T)



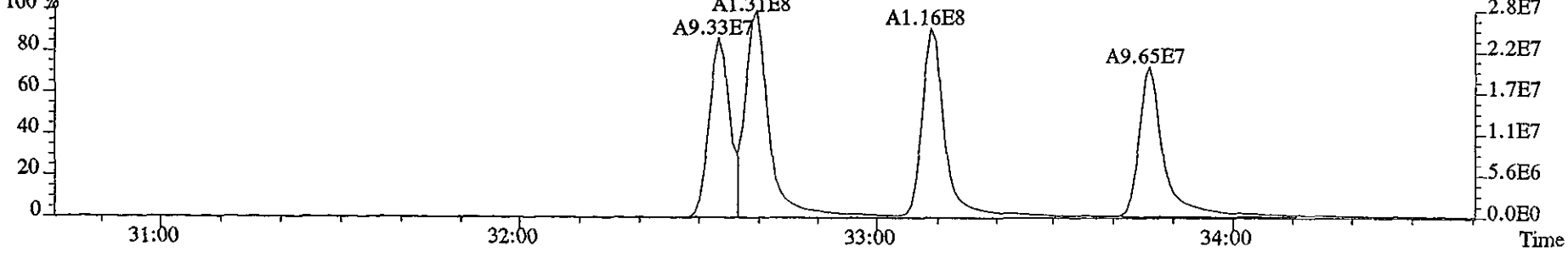
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1228.0,1.00%,F,T)



383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556.0,1.00%,F,T)

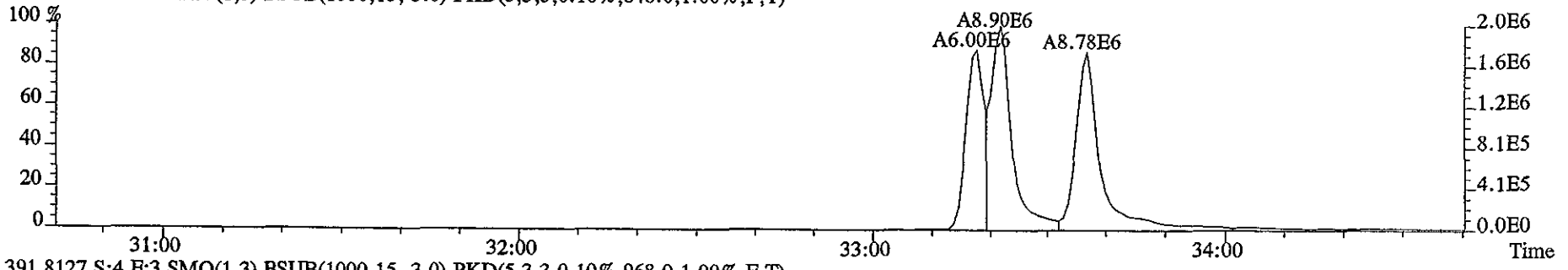


385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4400.0,1.00%,F,T)

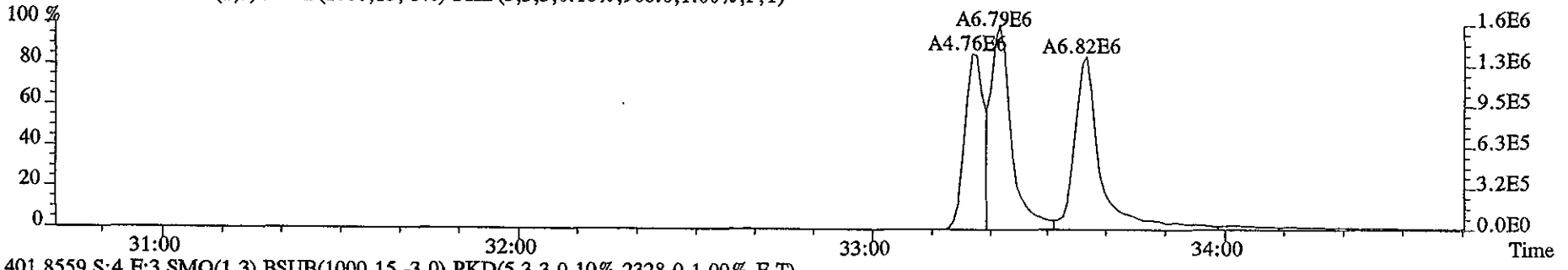


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

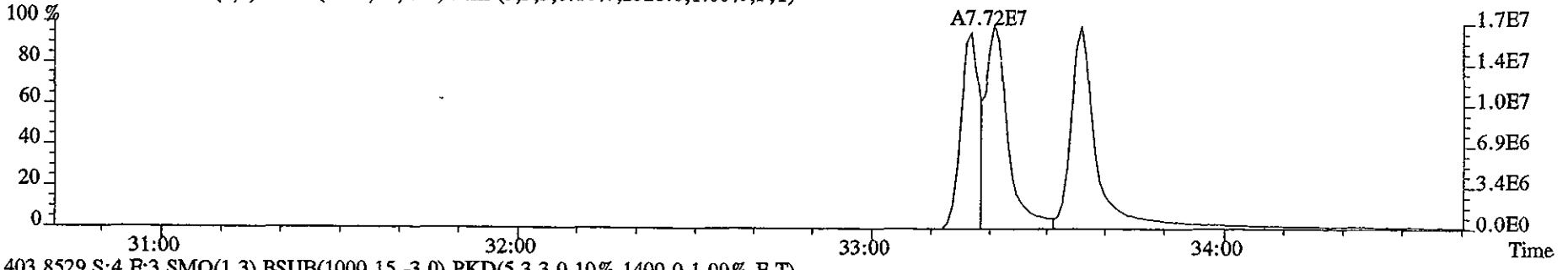
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



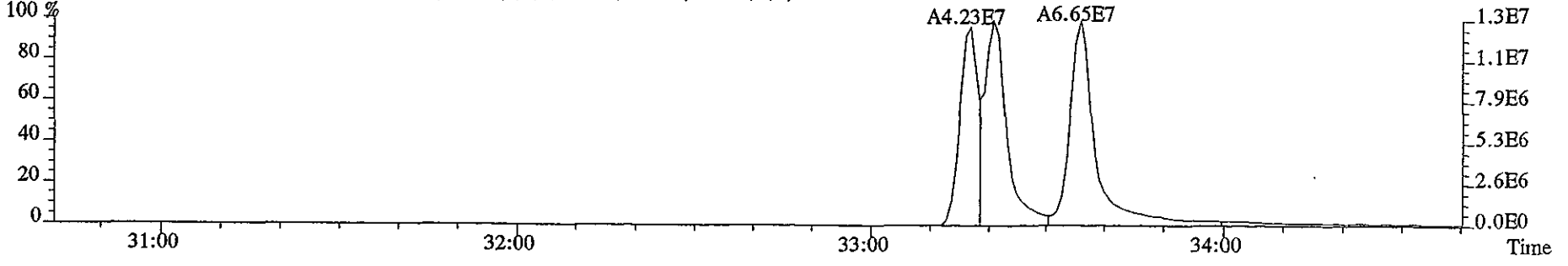
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,968.0,1.00%,F,T)



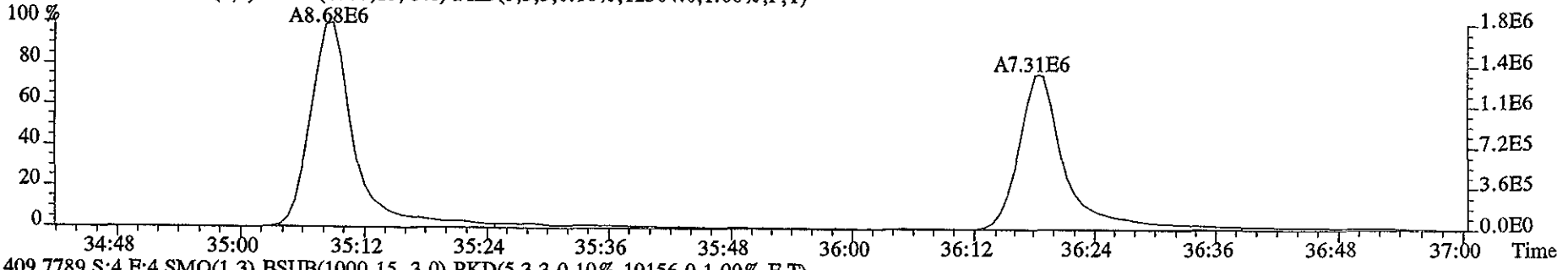
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2328.0,1.00%,F,T)



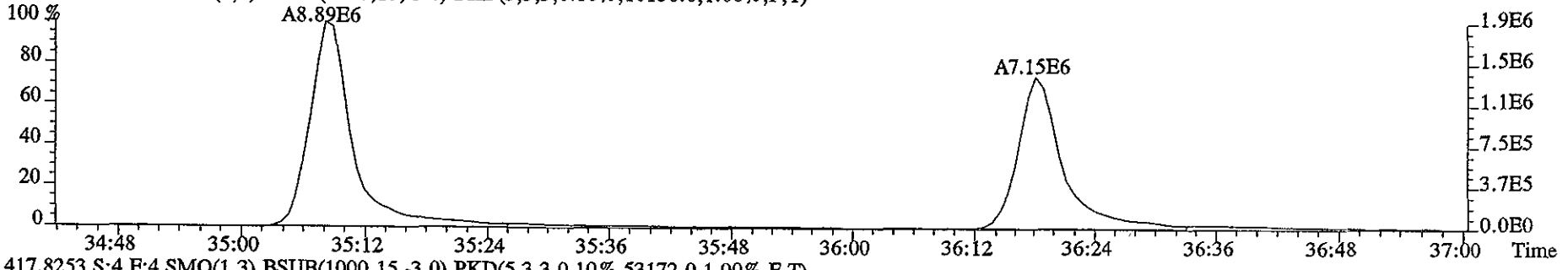
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1400.0,1.00%,F,T)



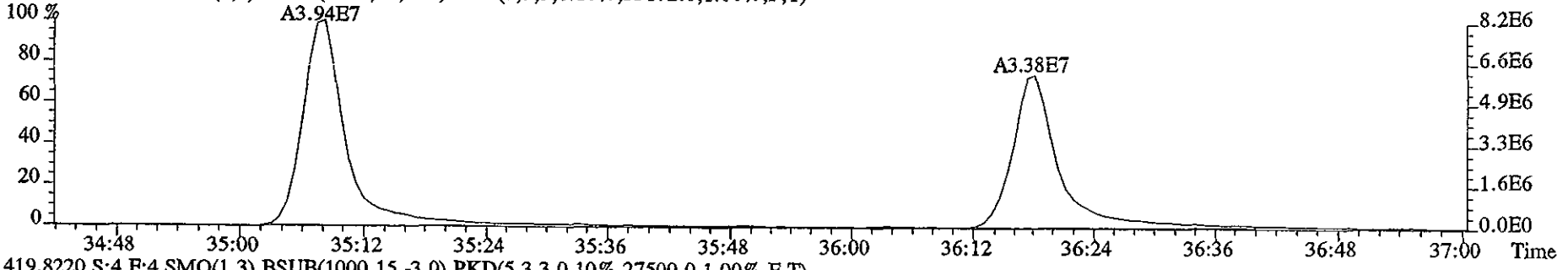
File:11MY10A4D5 #1-185 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12304.0,1.00%,F,T)



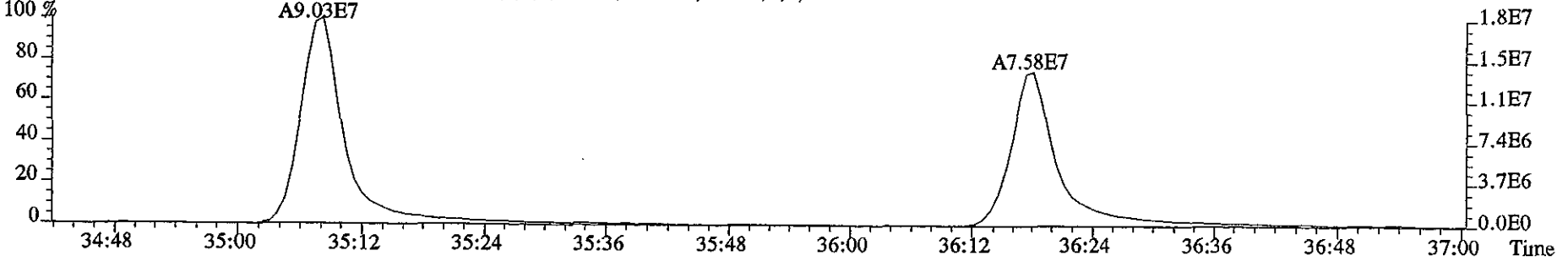
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10156.0,1.00%,F,T)



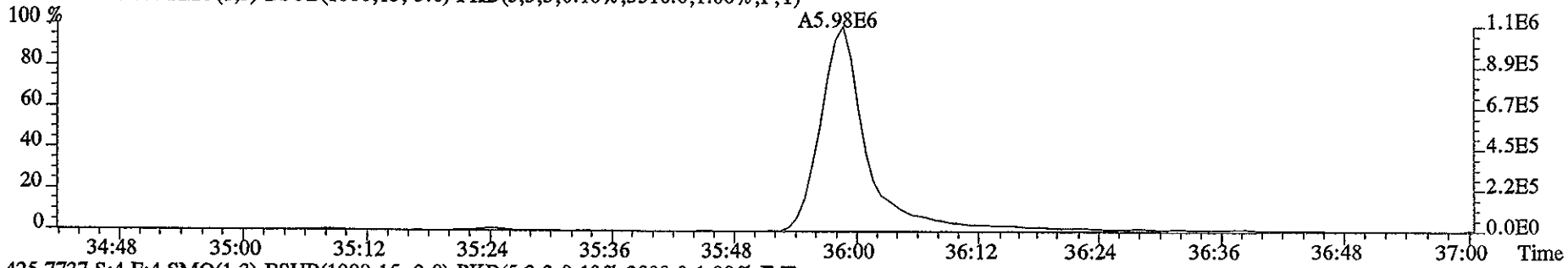
417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,53172.0,1.00%,F,T)



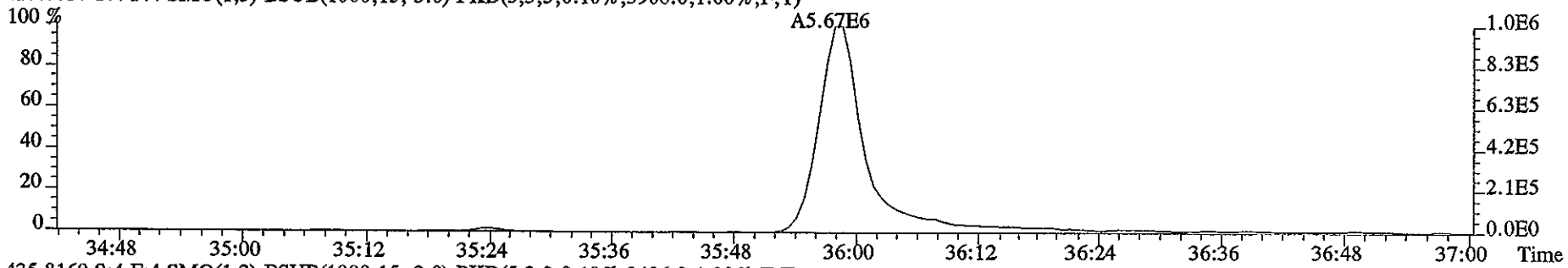
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27500.0,1.00%,F,T)



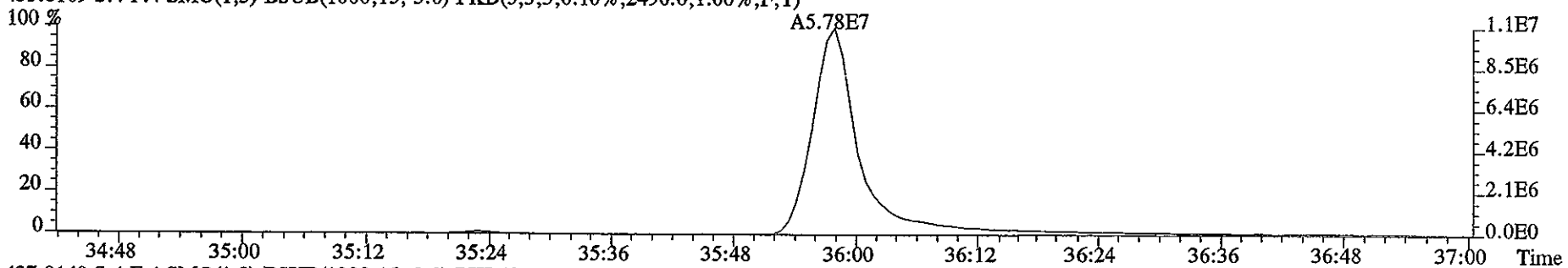
File:11MY10A4D5 #1-185 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3516.0,1.00%,F,T)



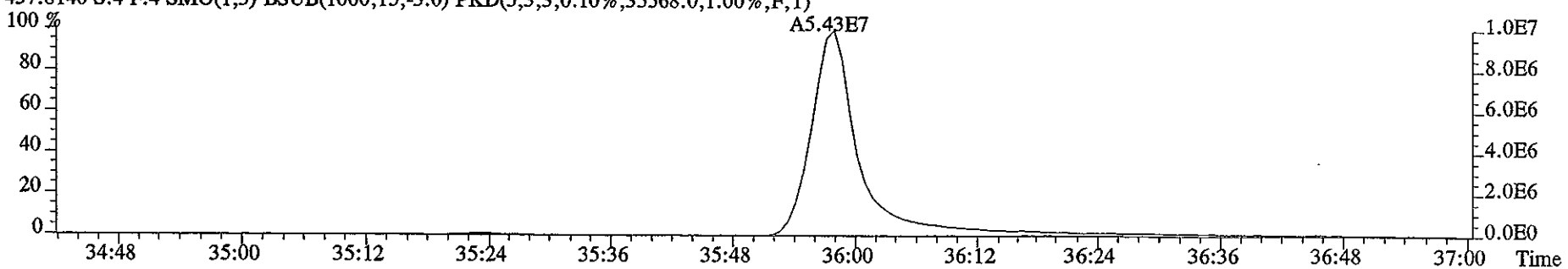
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)



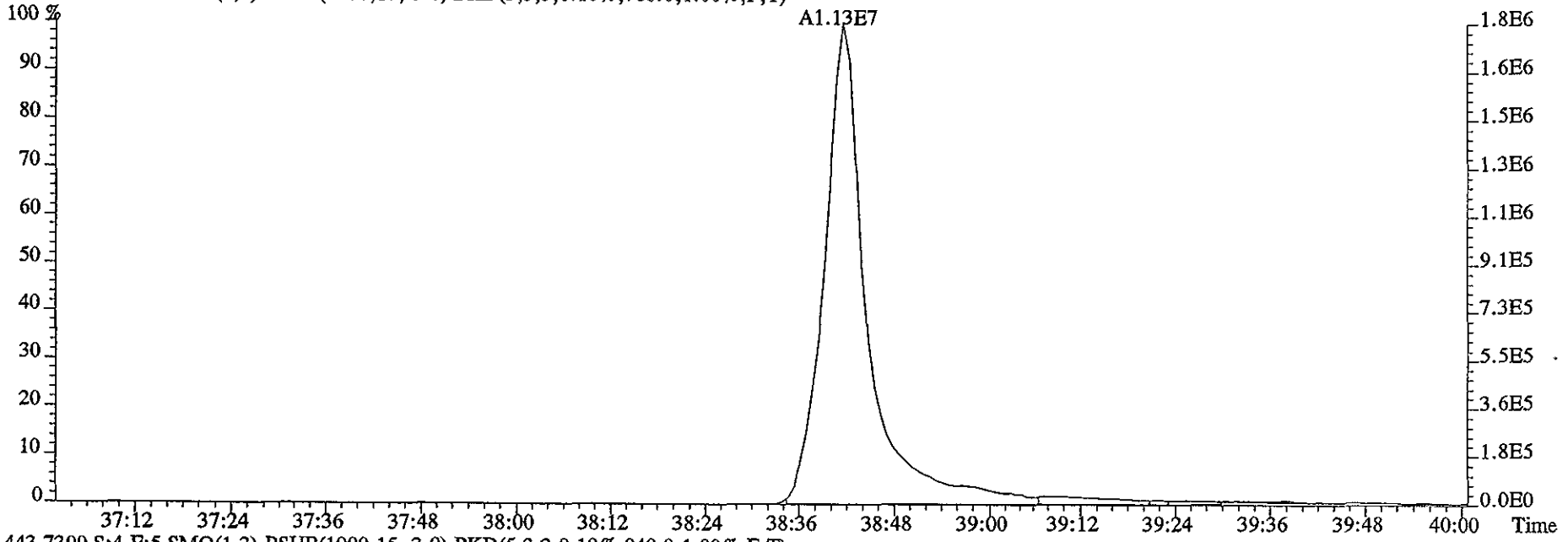
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2496.0,1.00%,F,T)



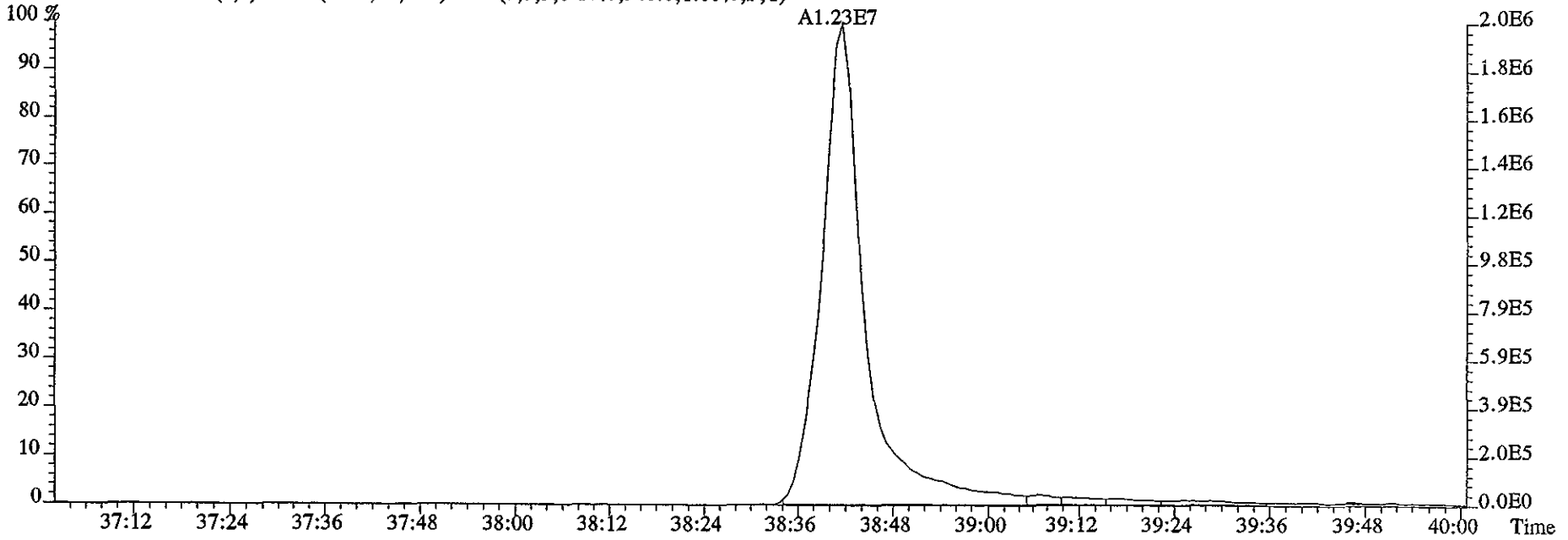
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35568.0,1.00%,F,T)



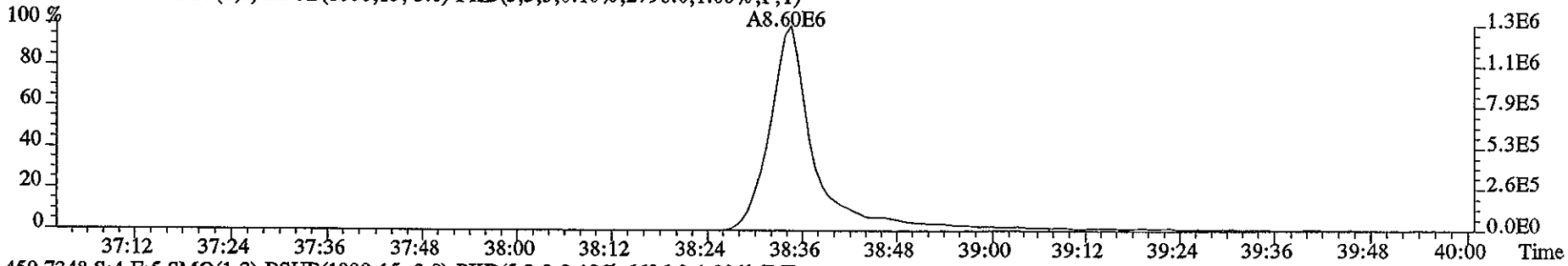
File:11MY10A4D5 #1-229 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,768.0,1.00%,F,T)



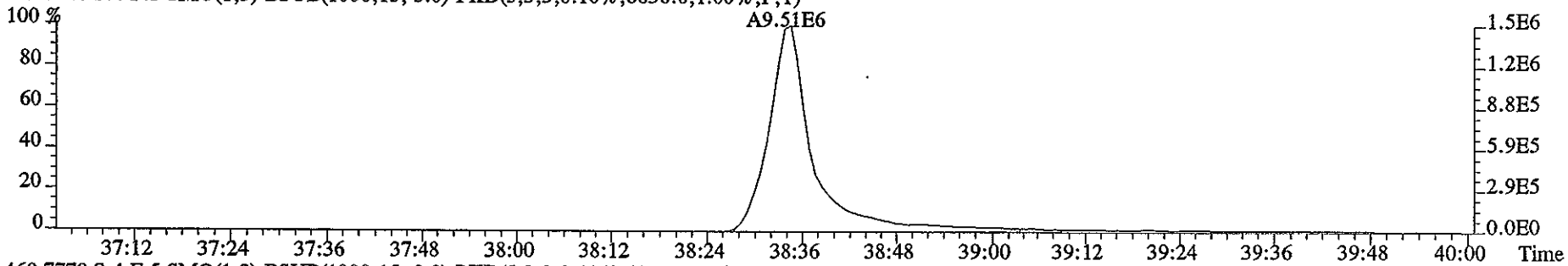
443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,940.0,1.00%,F,T)



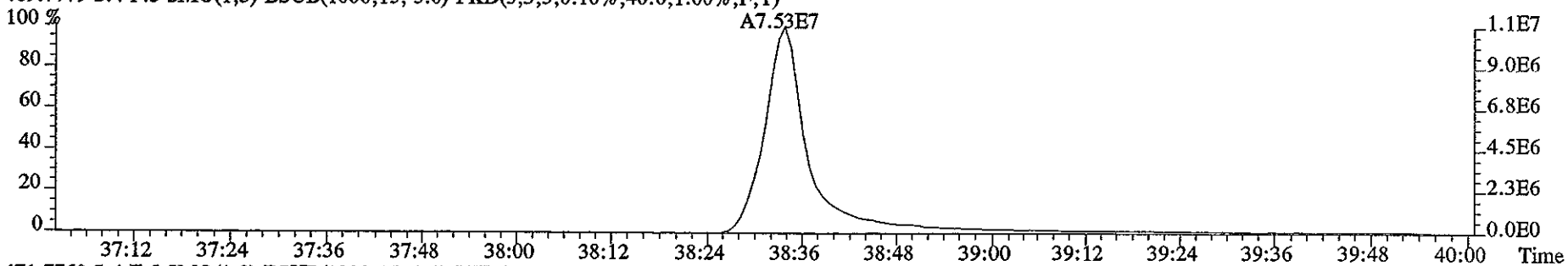
File:11MY10A4D5 #1-229 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T)



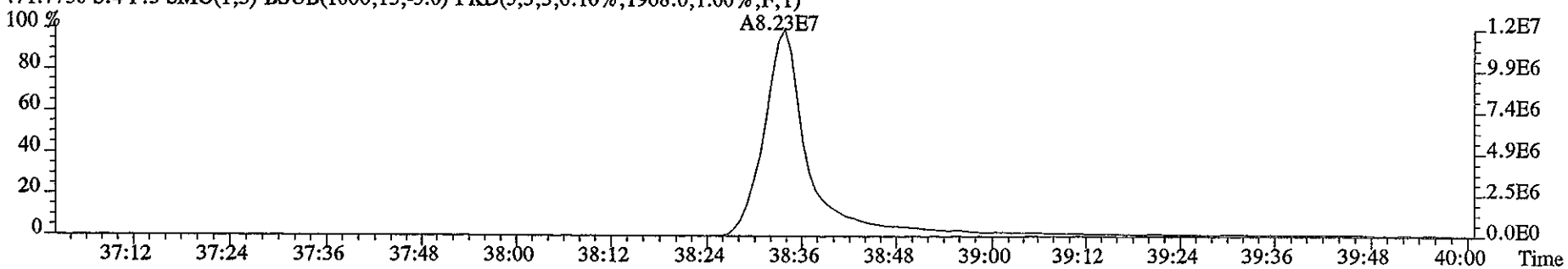
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6636.0,1.00%,F,T)



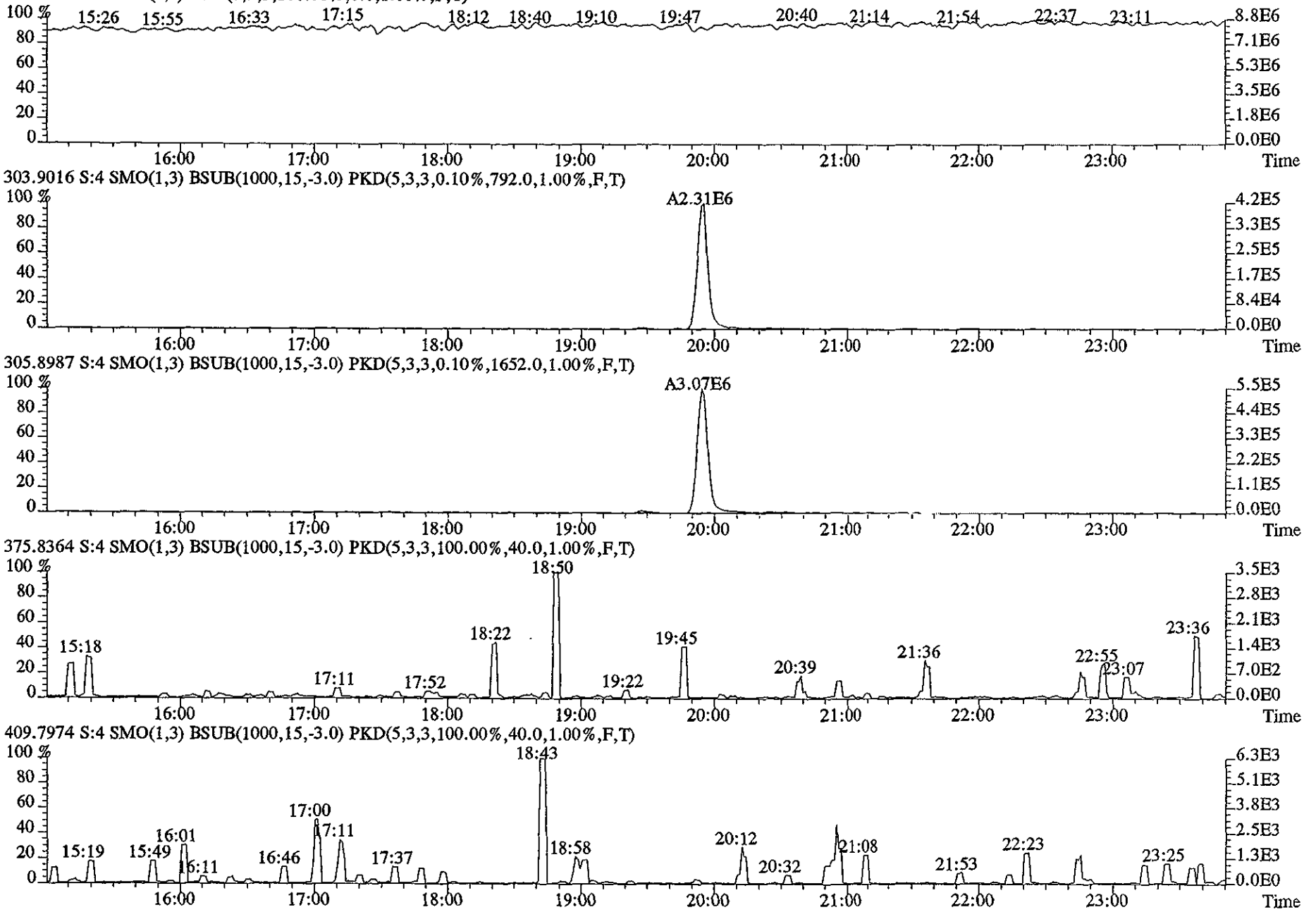
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40.0,1.00%,F,T)



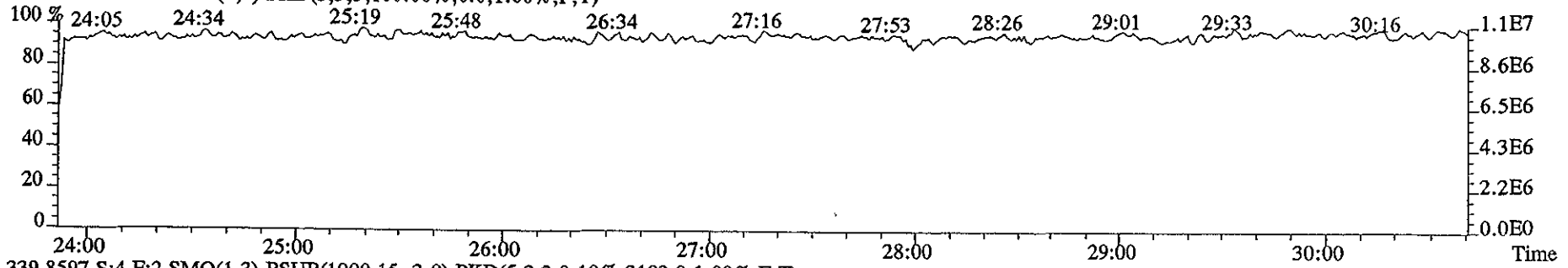
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)



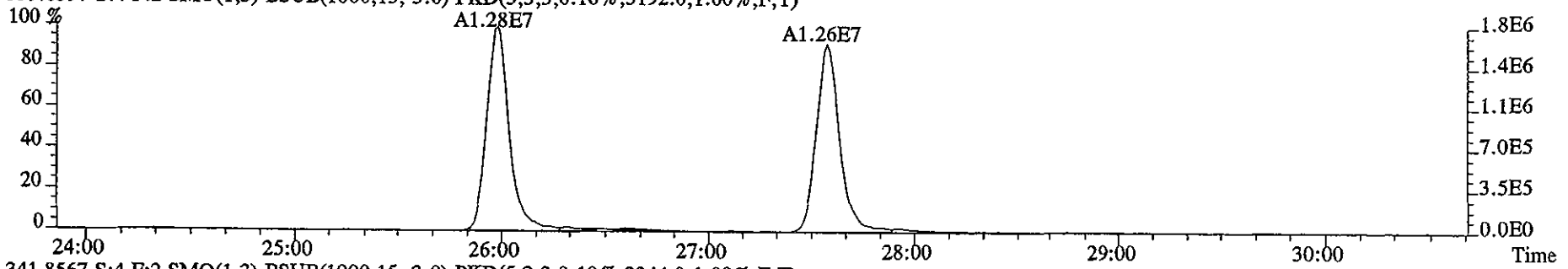
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A



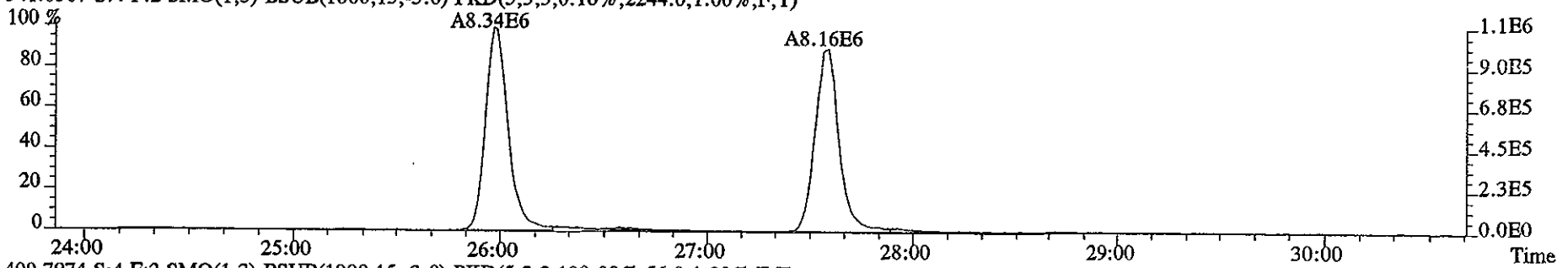
File:11MY10A4D5 #1-544 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A
354.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



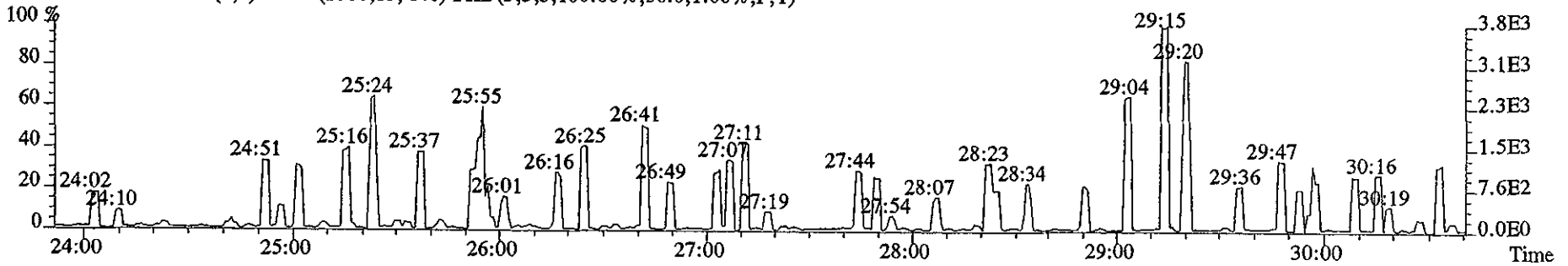
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3192.0,1.00%,F,T)



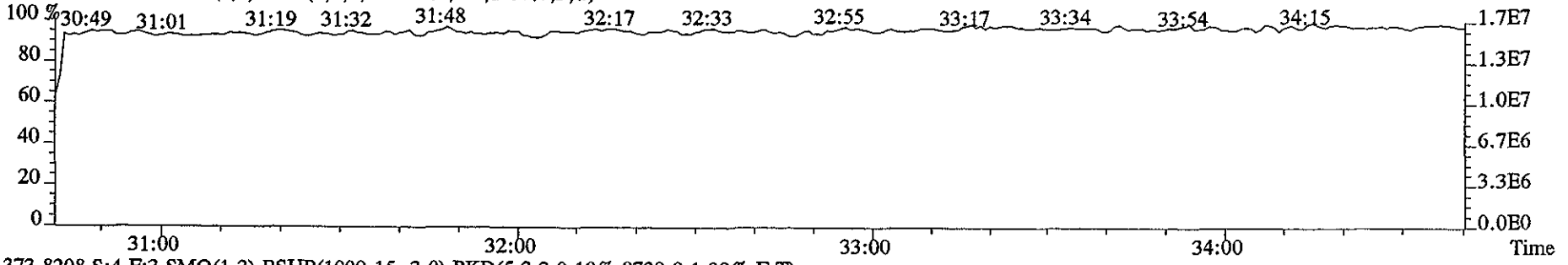
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2244.0,1.00%,F,T)

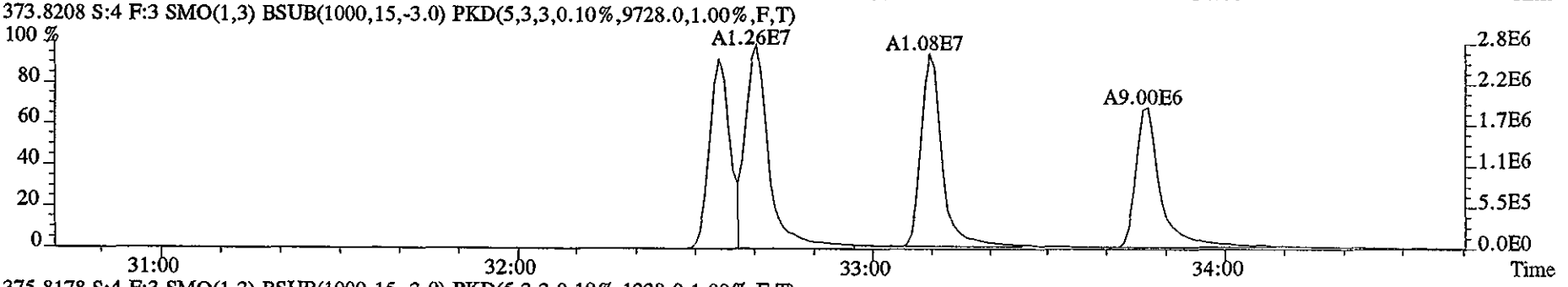


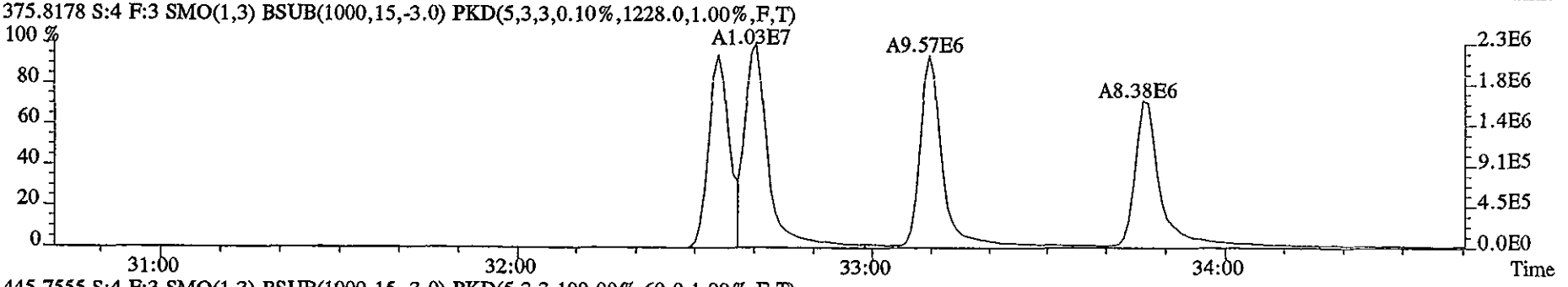
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)

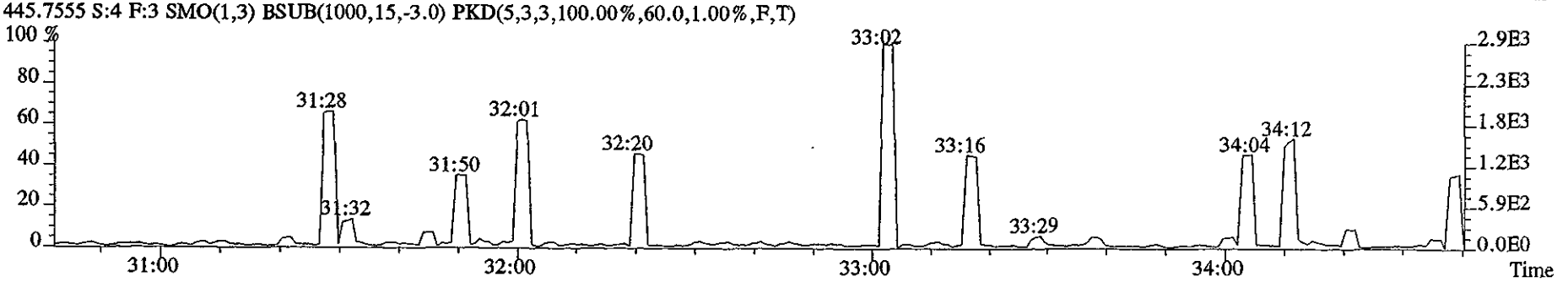


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

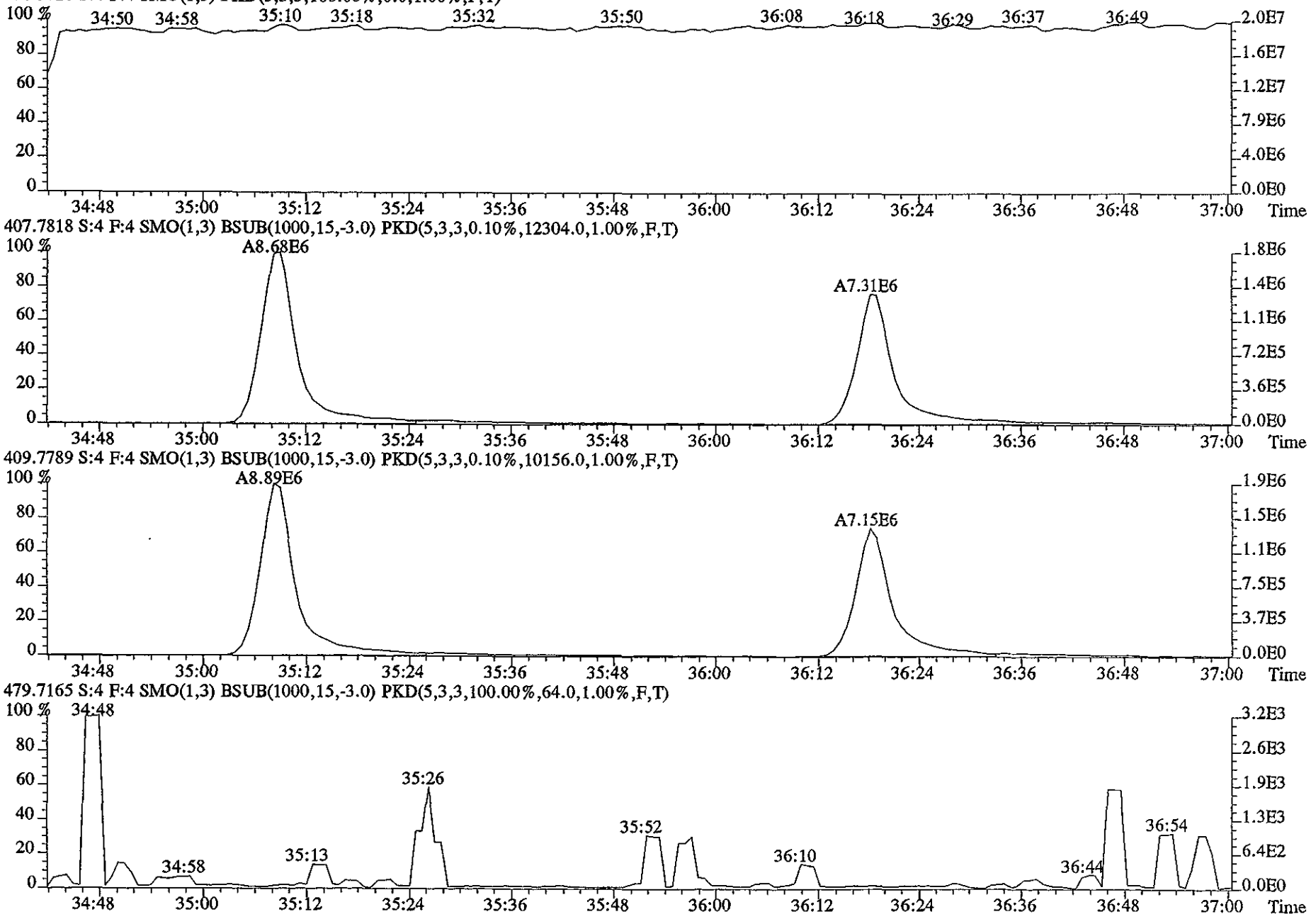




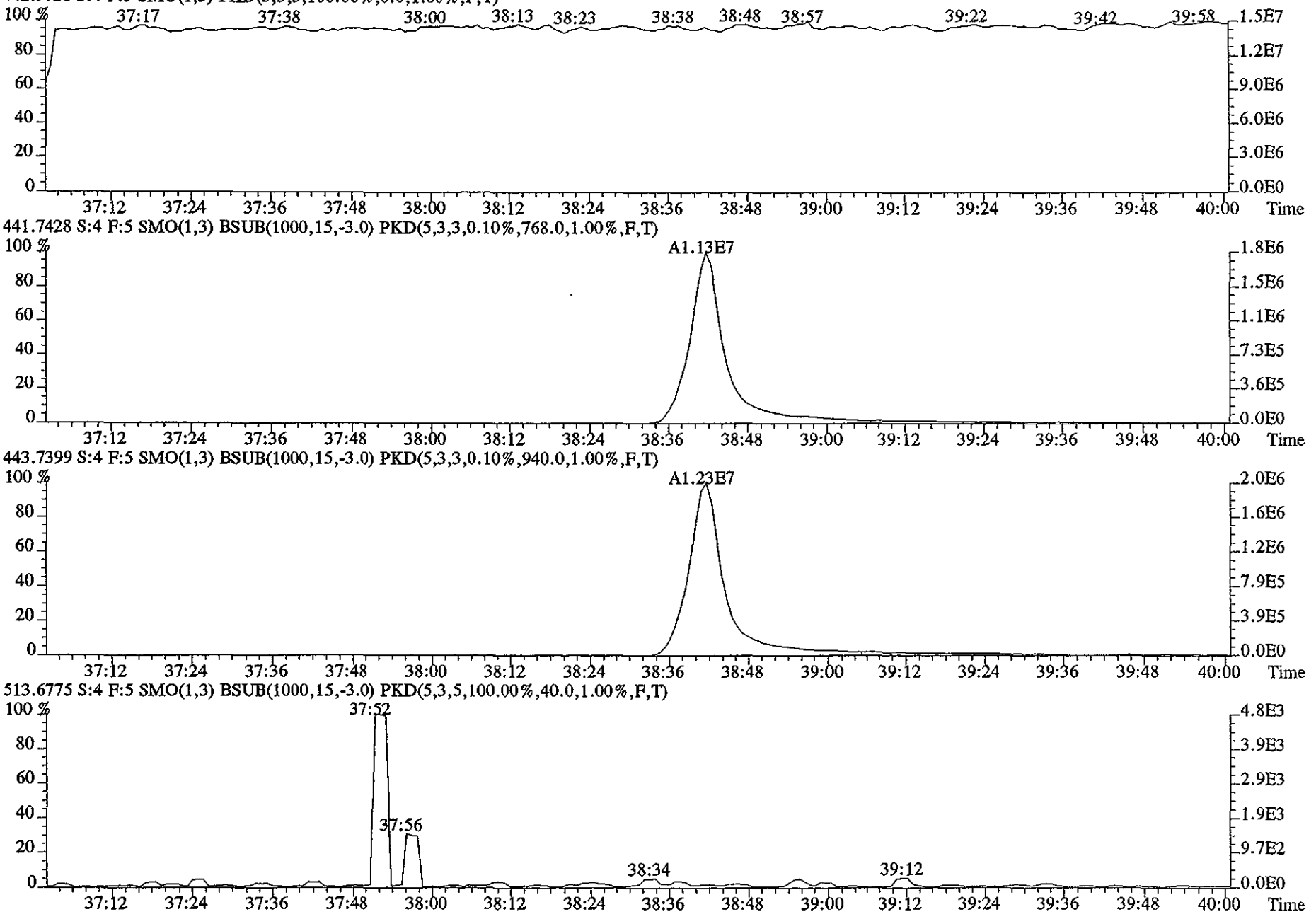




File:11MY10A4D5 #1-185 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

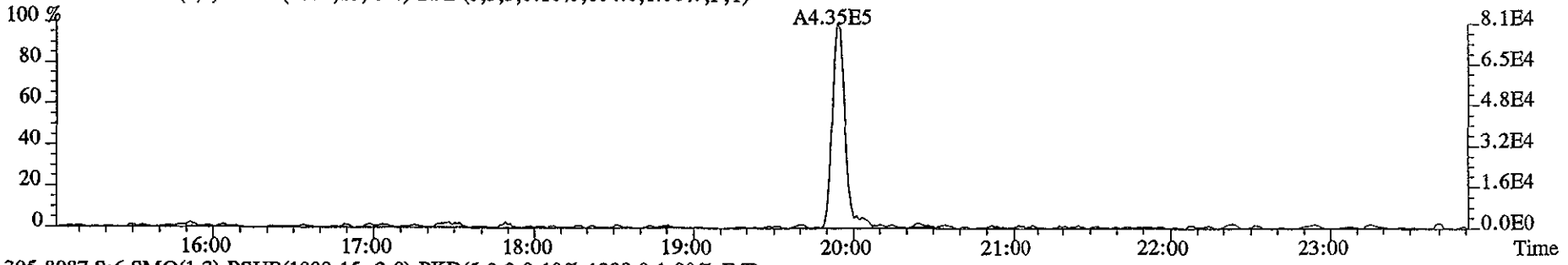


File:11MY10A4D5 #1-229 Acq:11-MAY-2010 14:53:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0511B :CS-2 10DXN125 Exp:DIOXINRES8290A

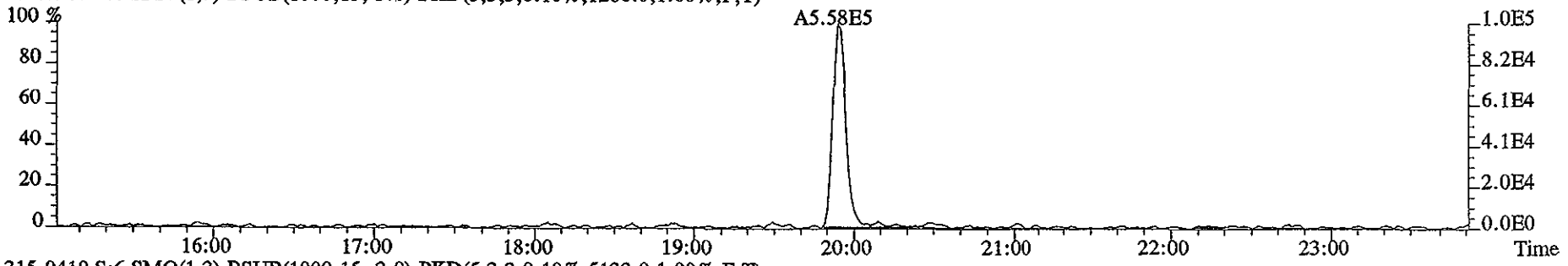


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

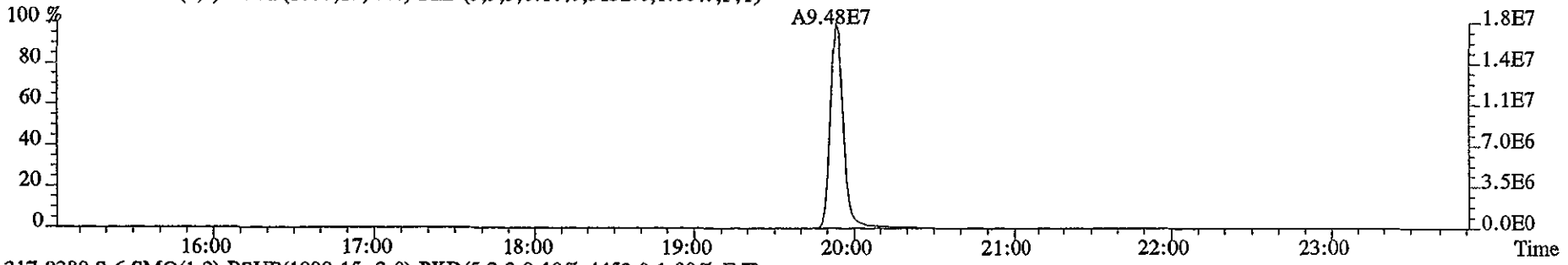
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,604.0,1.00%,F,T)



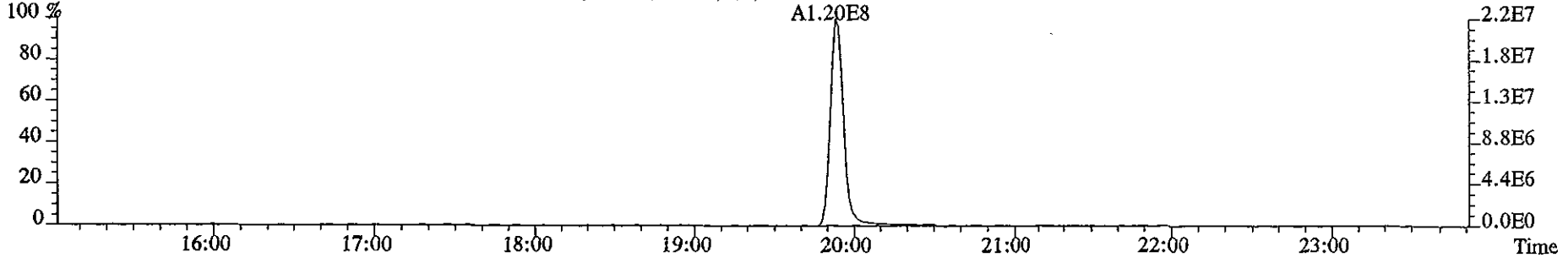
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1288.0,1.00%,F,T)



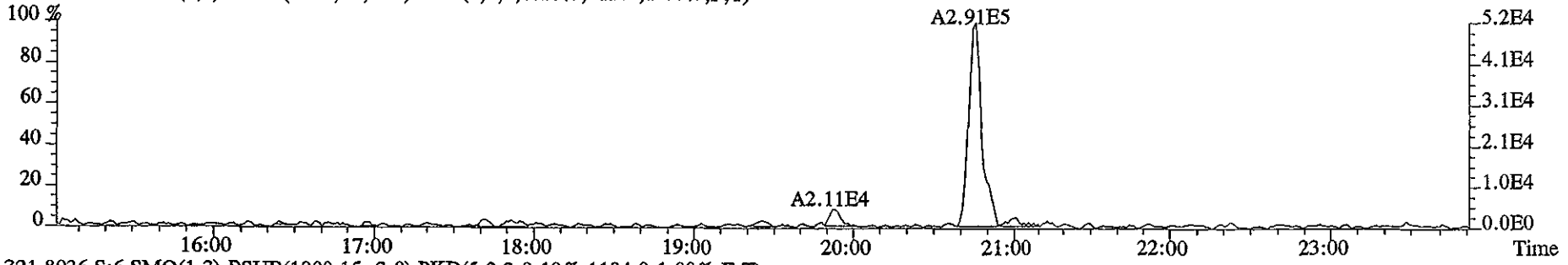
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)

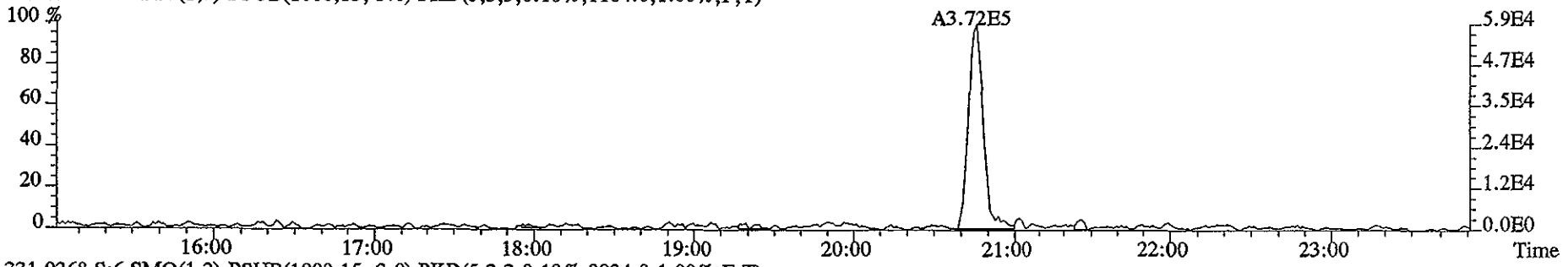


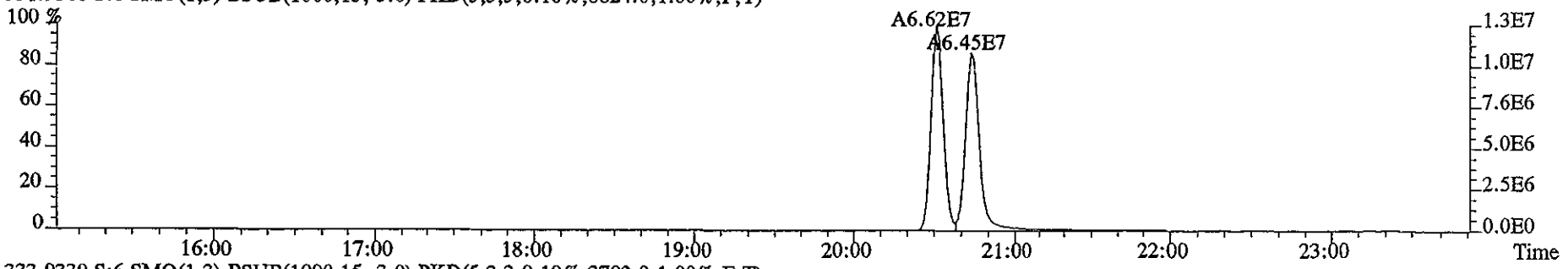
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4452.0,1.00%,F,T)

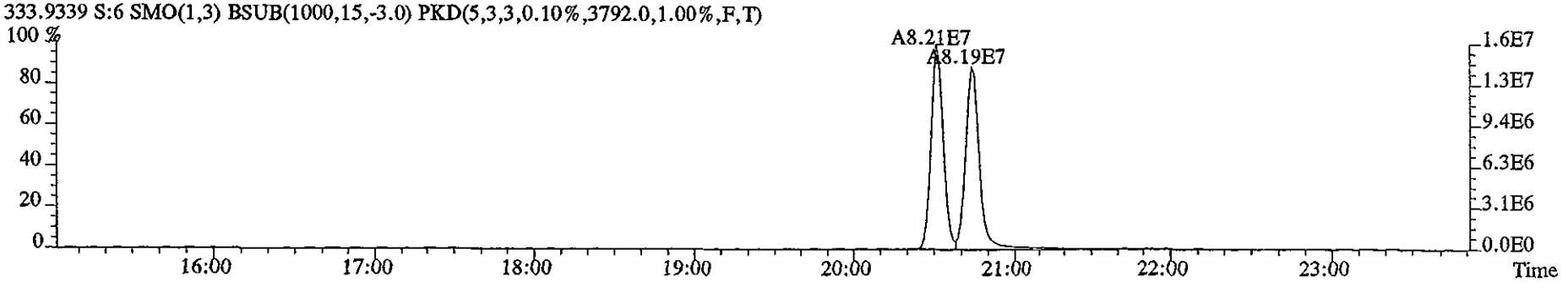


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A



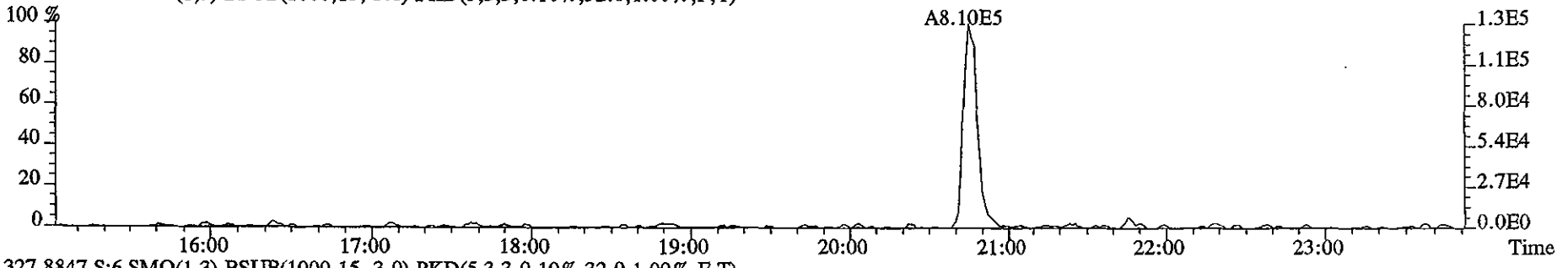




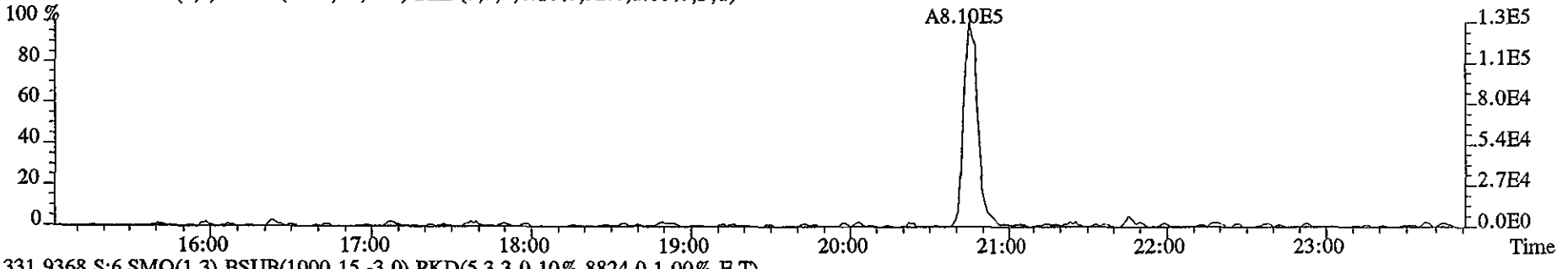


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

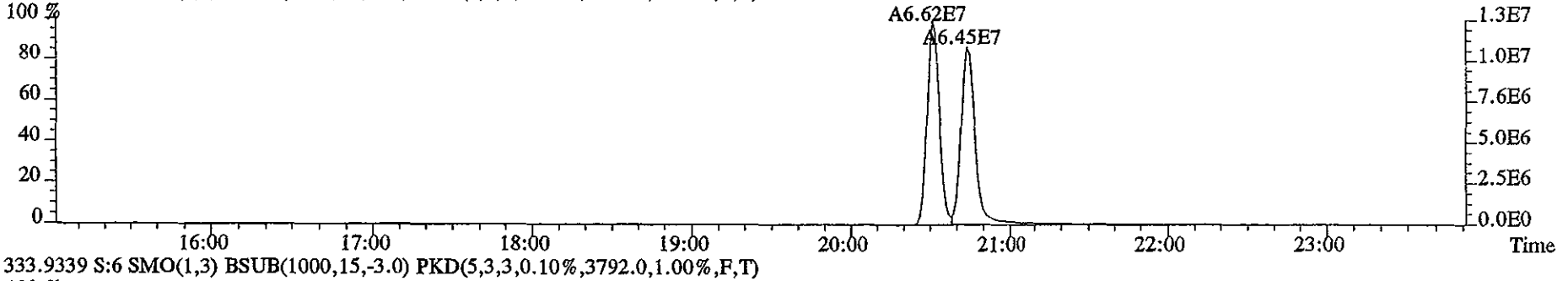
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32.0,1.00%,F,T)



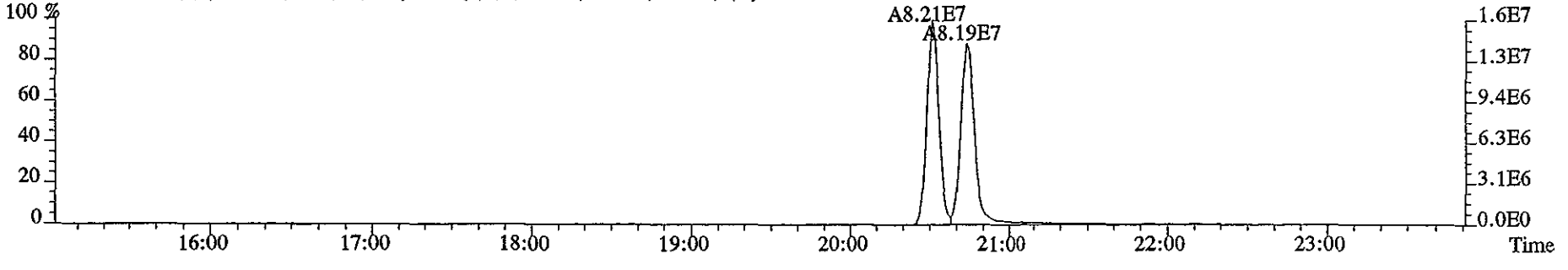
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32.0,1.00%,F,T)



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8824.0,1.00%,F,T)

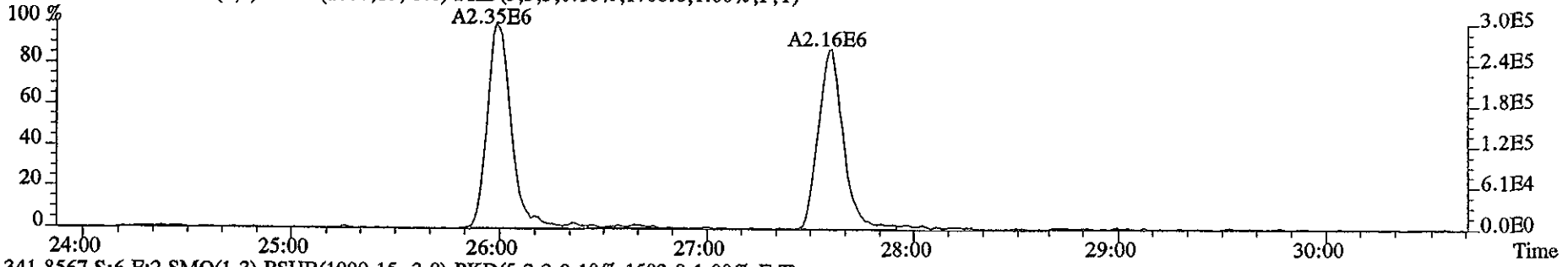


333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3792.0,1.00%,F,T)

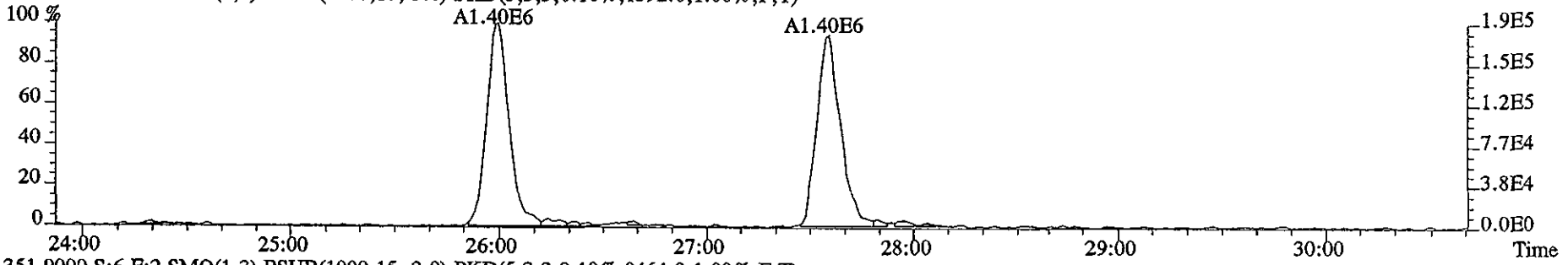


File:11MY10A4D5 #1-543 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

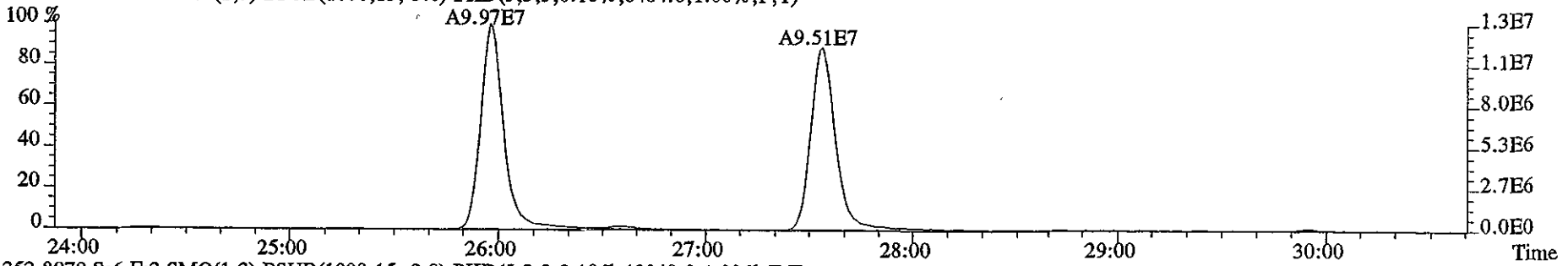
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)



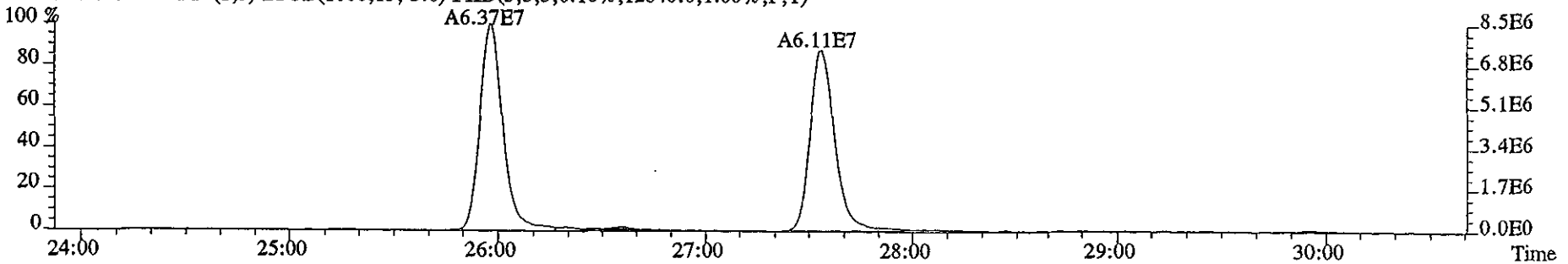
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)



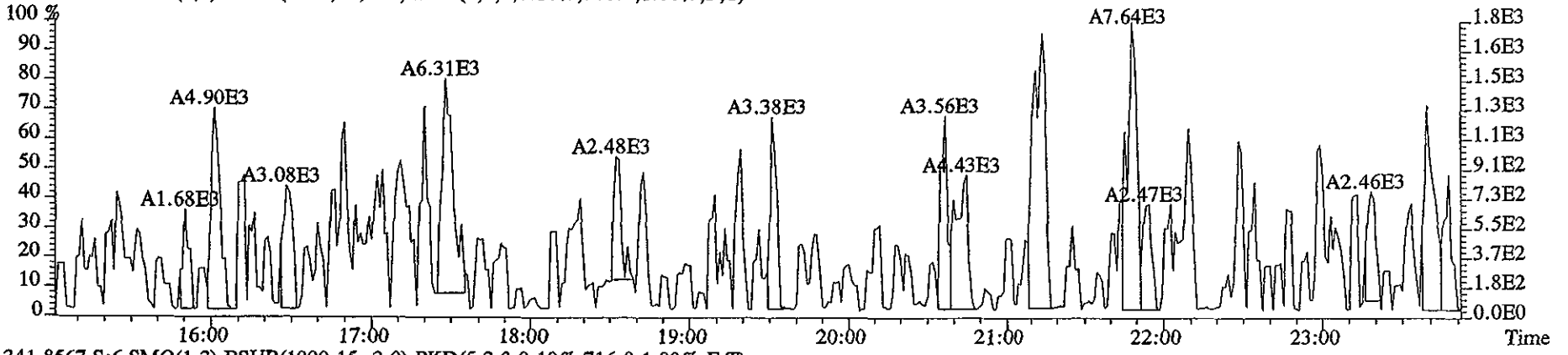
351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8464.0,1.00%,F,T)



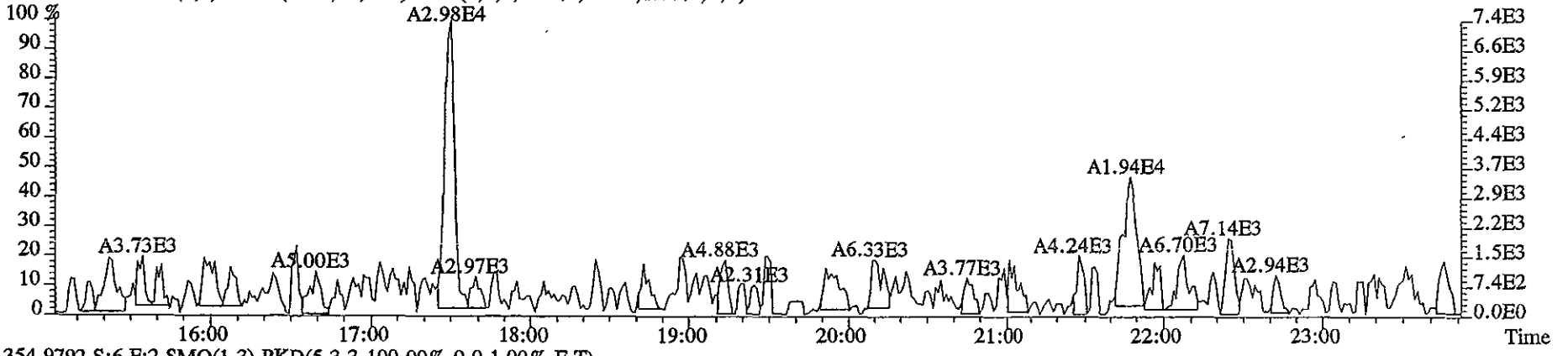
353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12840.0,1.00%,F,T)



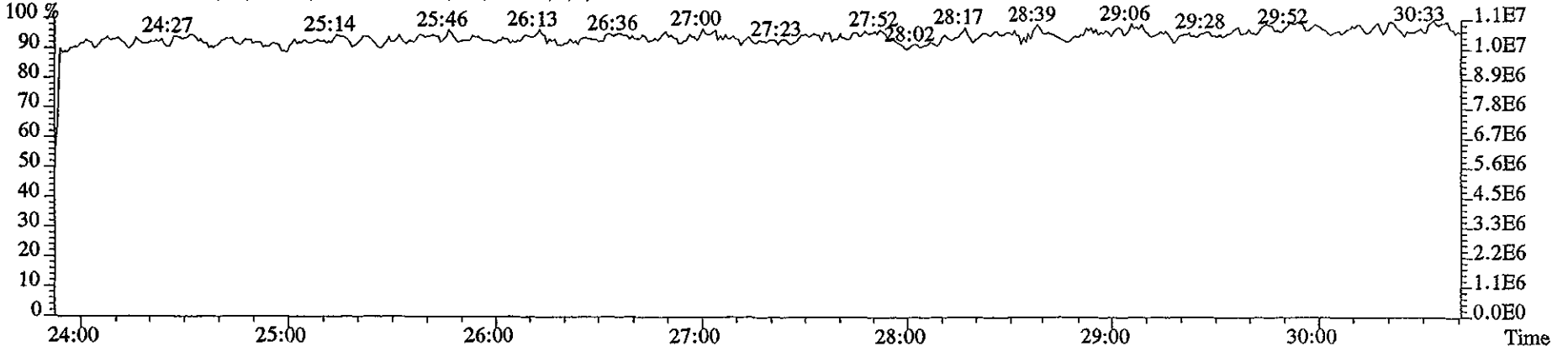
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A
339.8597 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,568.0,1.00%,F,T)



341.8567 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,716.0,1.00%,F,T)

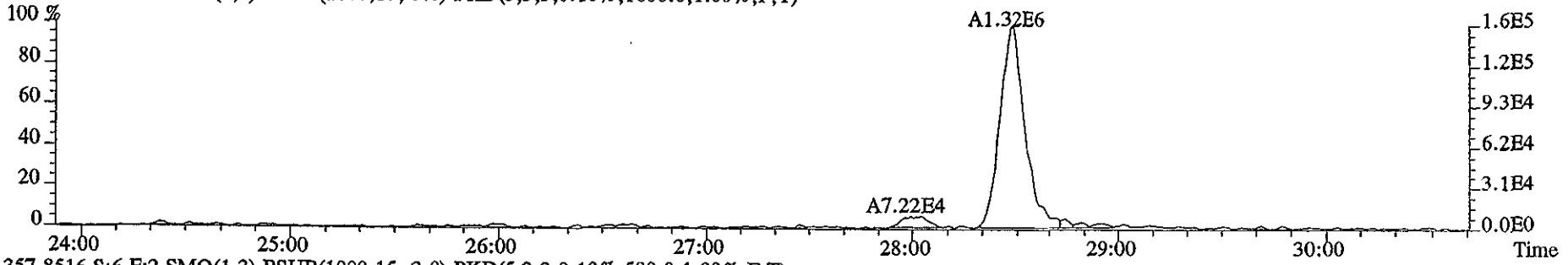


354.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

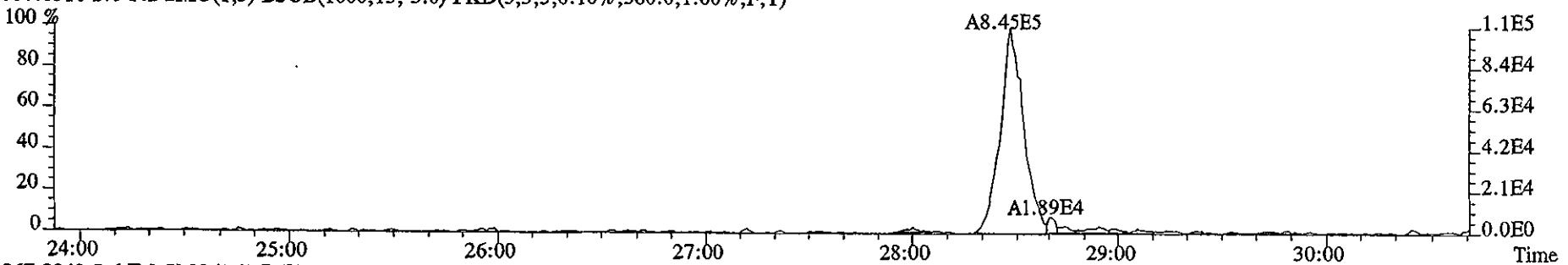


File:11MY10A4D5 #1-543 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

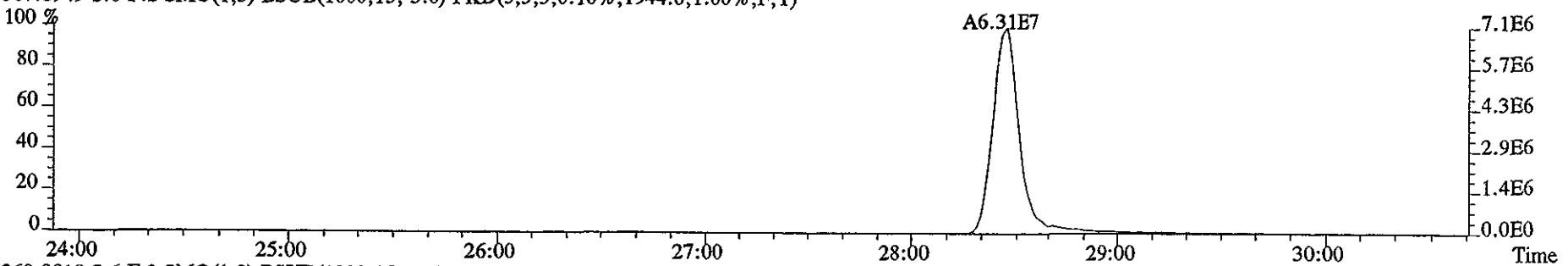
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1600.0,1.00%,F,T)



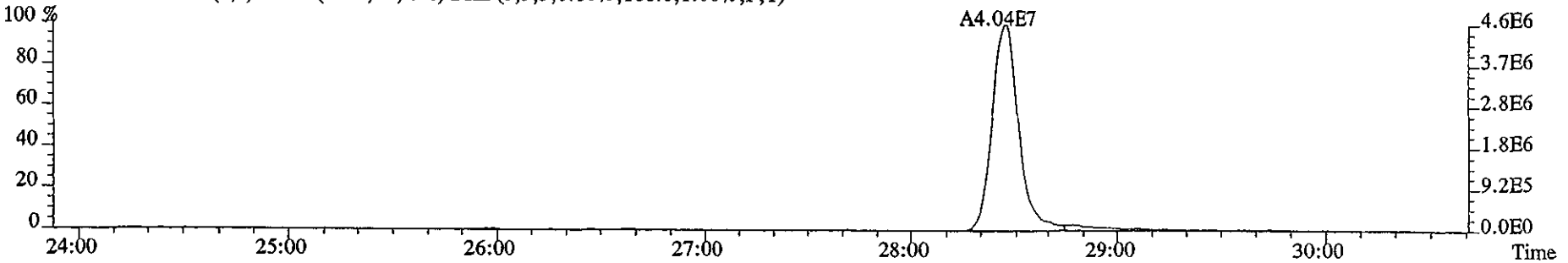
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,580.0,1.00%,F,T)



367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1944.0,1.00%,F,T)

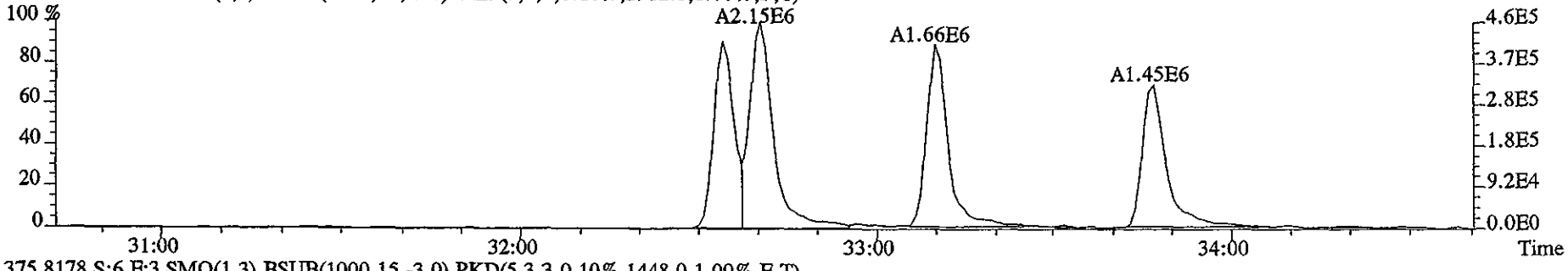


369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,188.0,1.00%,F,T)

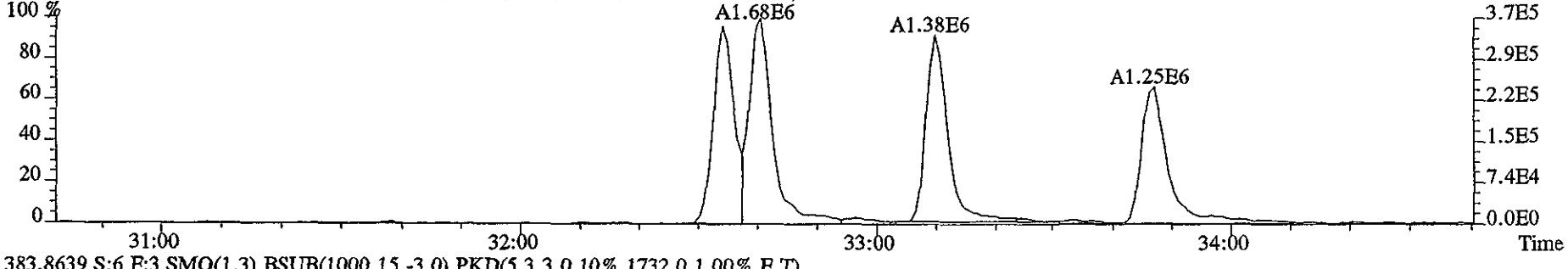


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

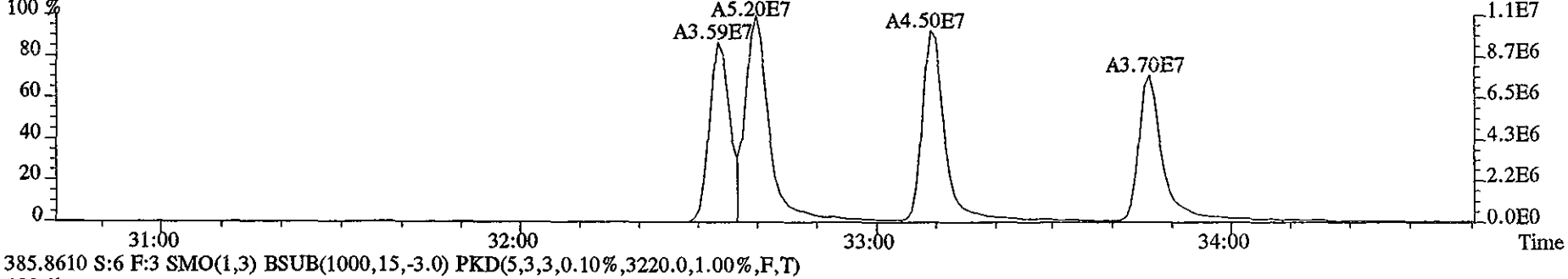
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)



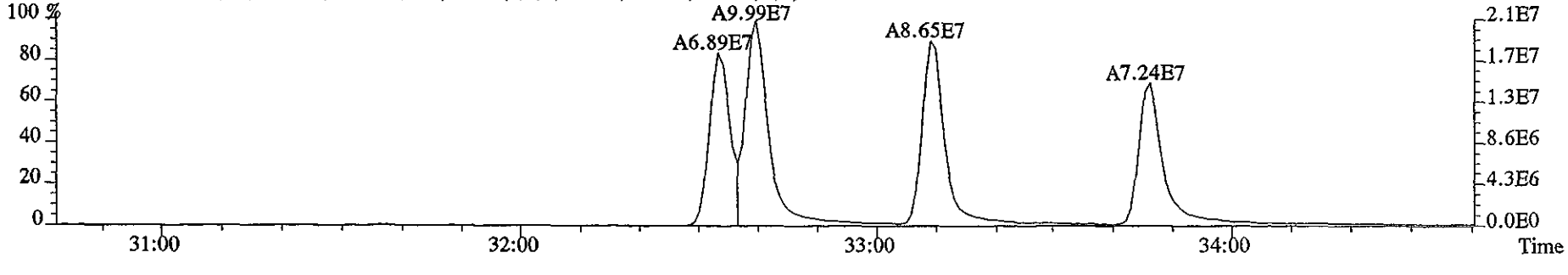
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448.0,1.00%,F,T)



383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1732.0,1.00%,F,T)



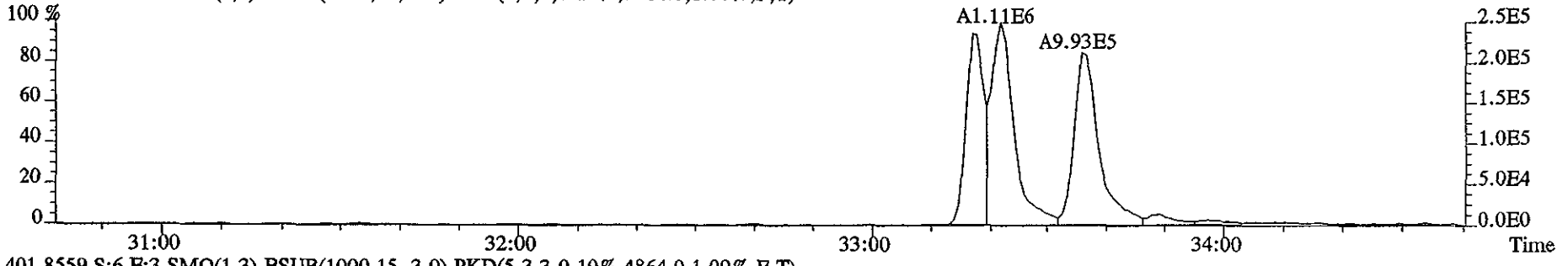
385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3220.0,1.00%,F,T)



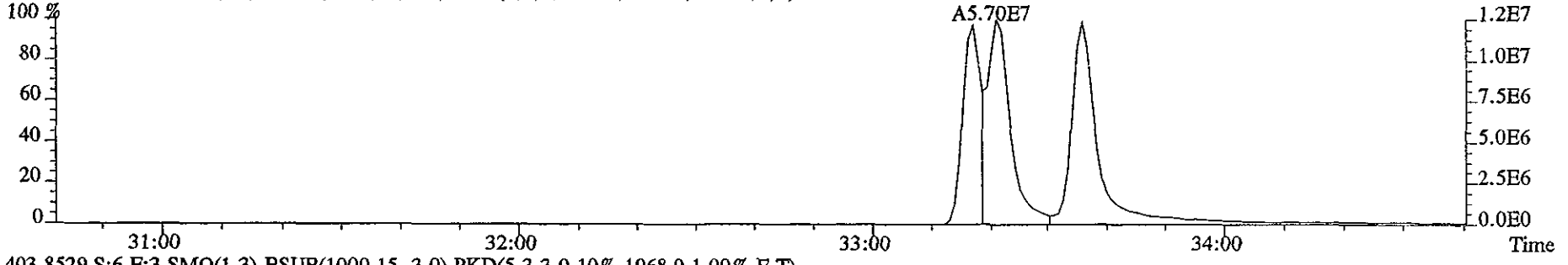
File:11MY10A4D5 #1-301 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2192.0,1.00%,F,T)

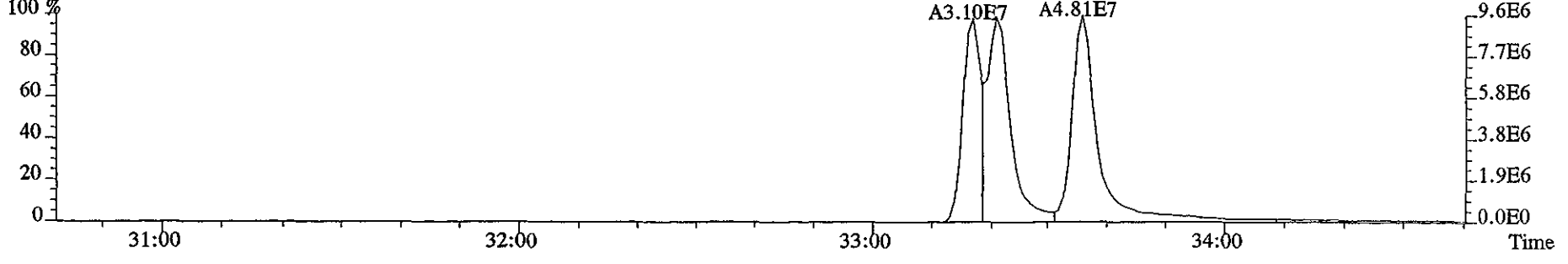
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1284.0,1.00%,F,T)



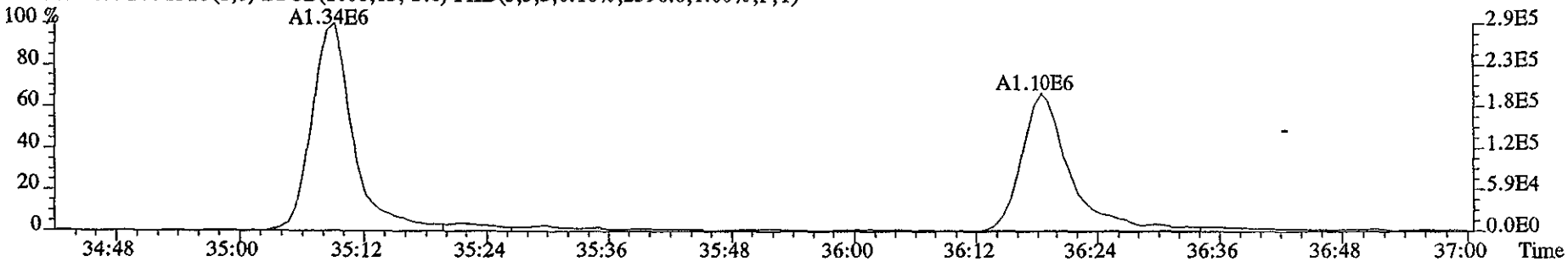
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4864.0,1.00%,F,T)

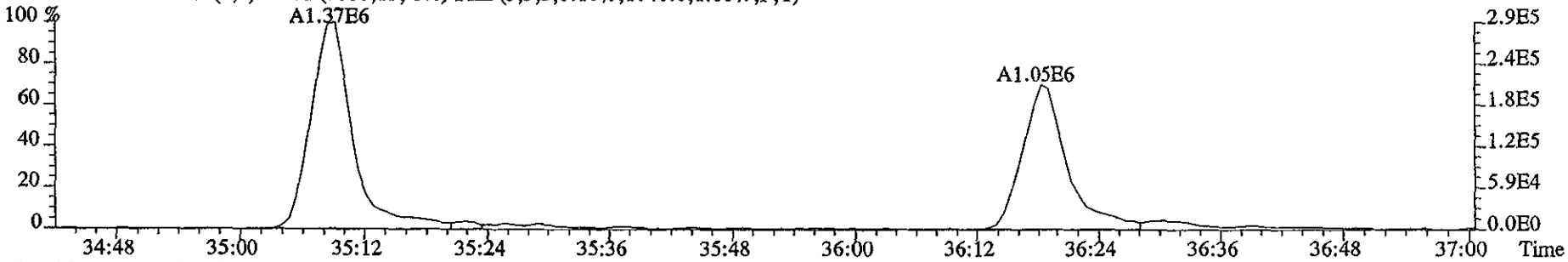


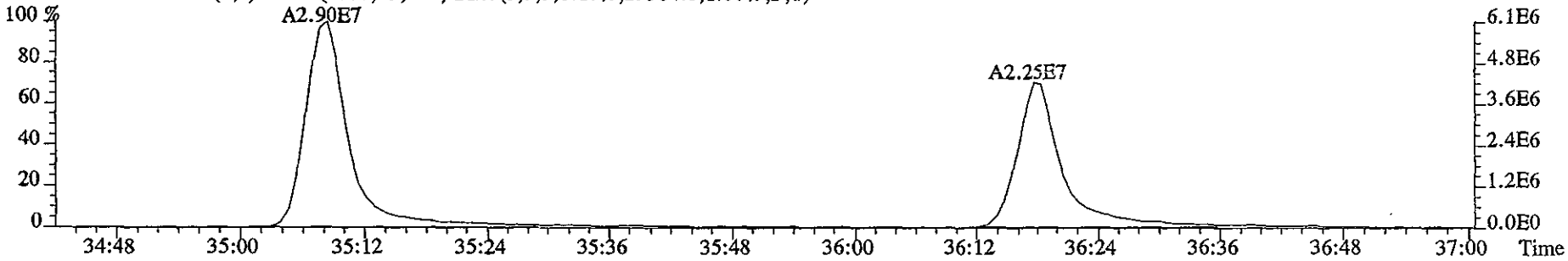
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1968.0,1.00%,F,T)

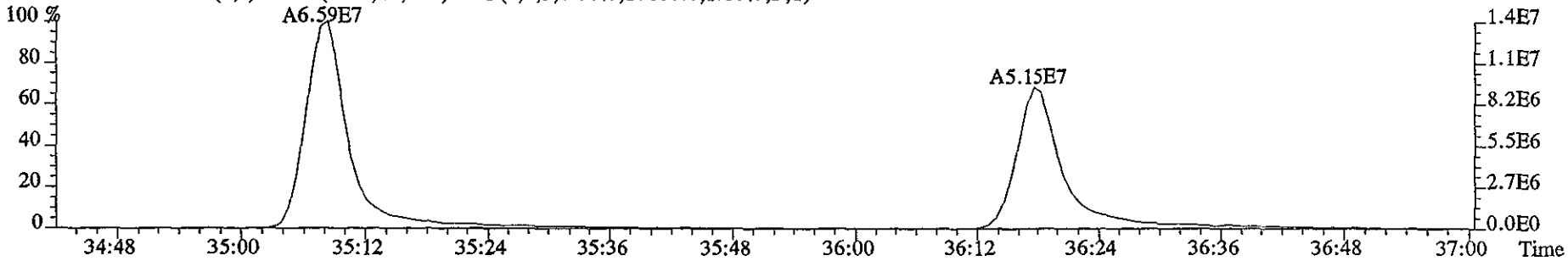


File:11MY10A4D5 #1-185 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

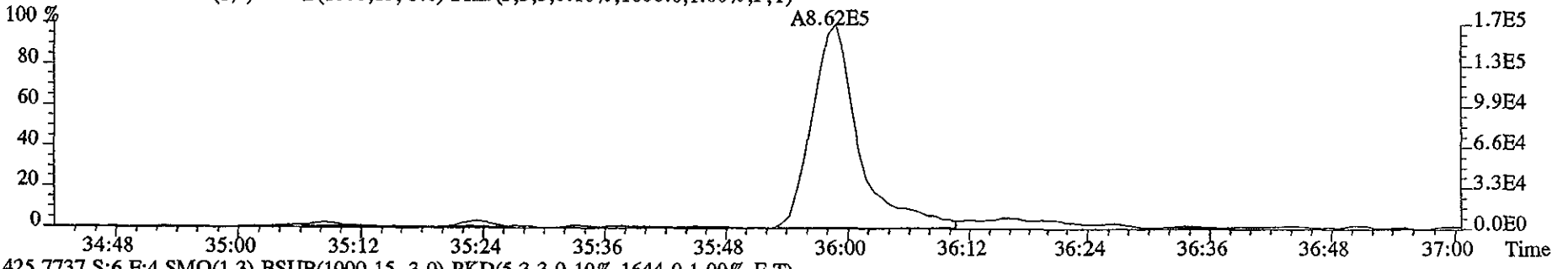


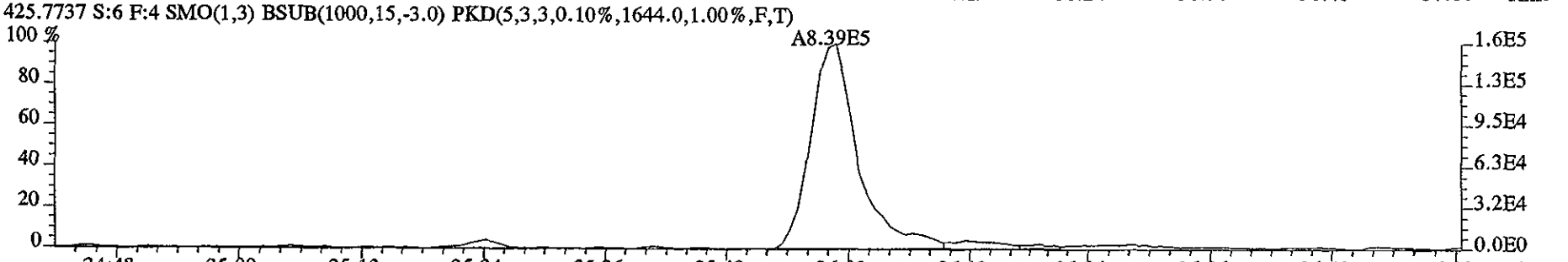


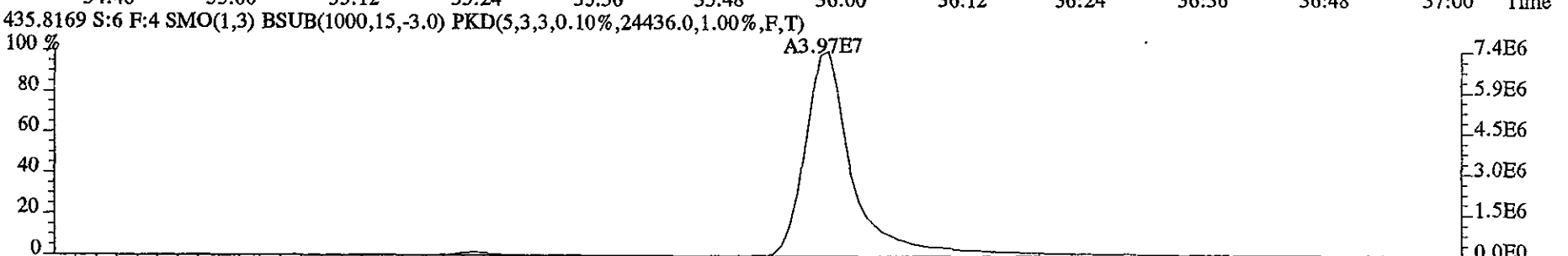


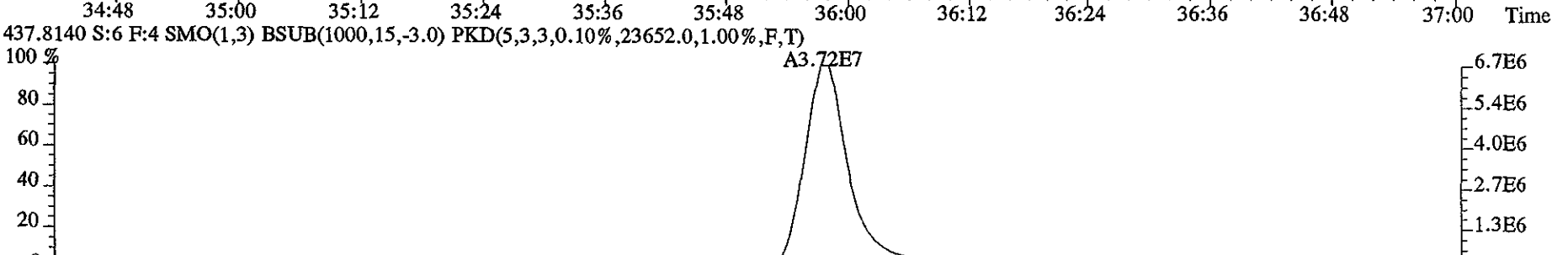


File:11MY10A4D5 #1-185 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

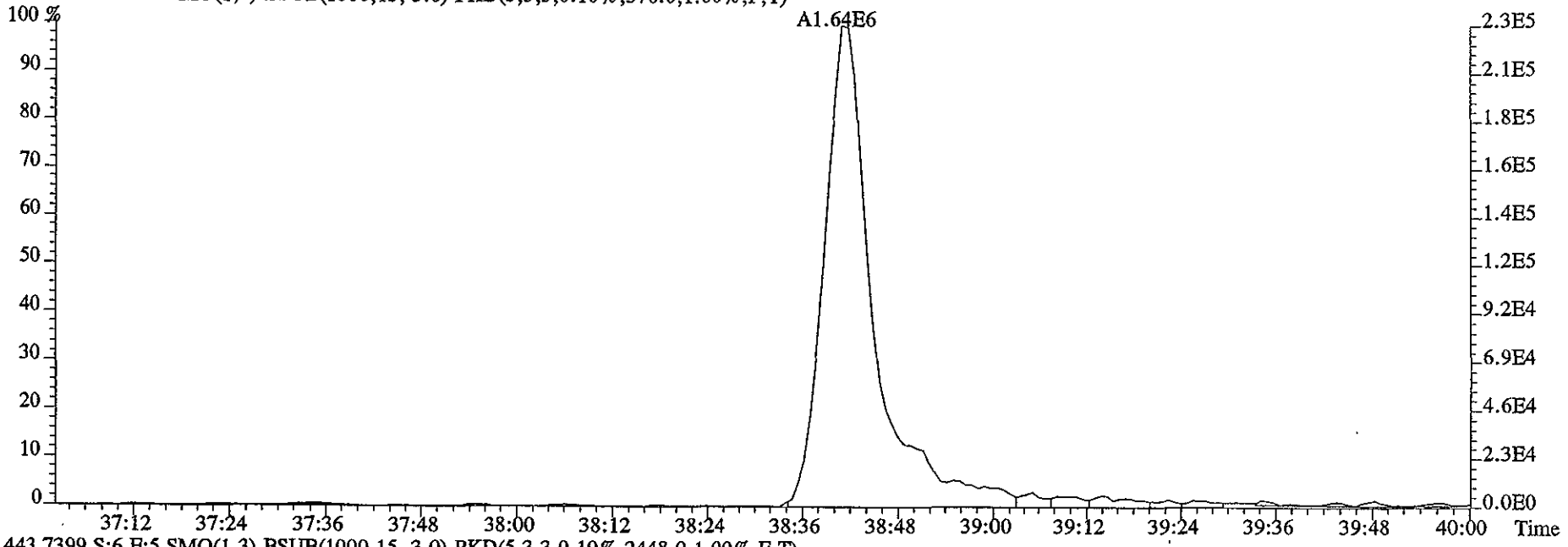




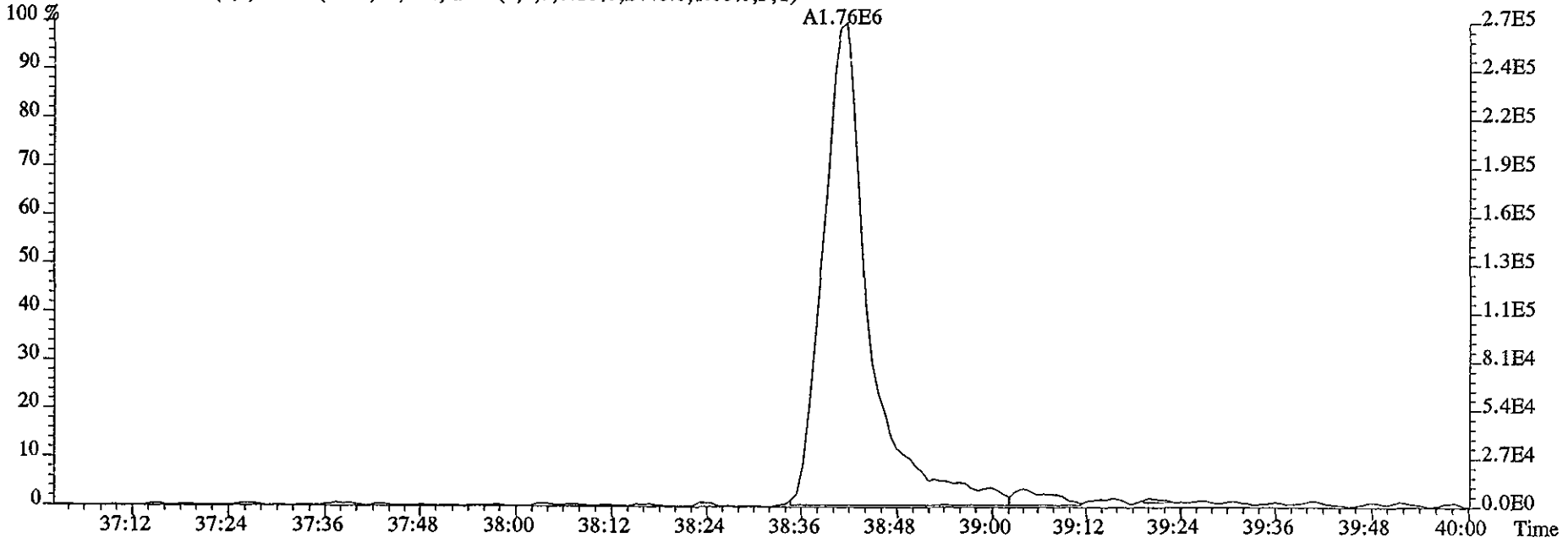




File:11MY10A4D5 #1-228 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,576.0,1.00%,F,T)

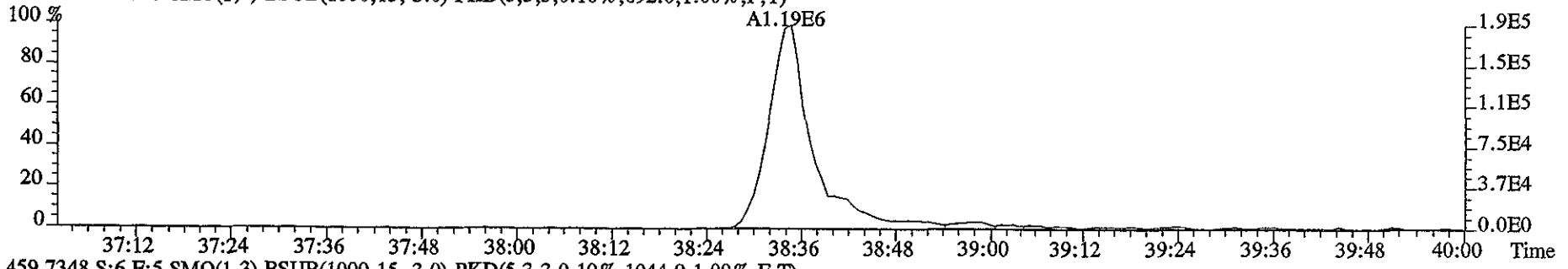


443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2448.0,1.00%,F,T)

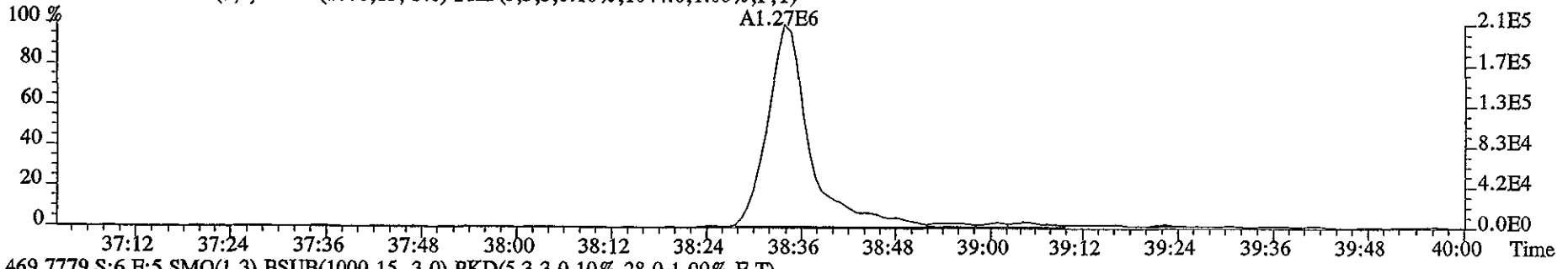


File:11MY10A4D5 #1-228 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

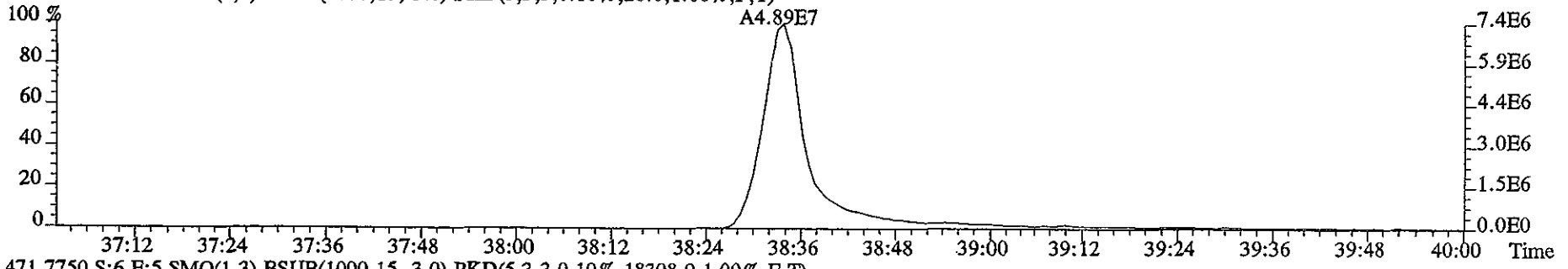
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692.0,1.00%,F,T)



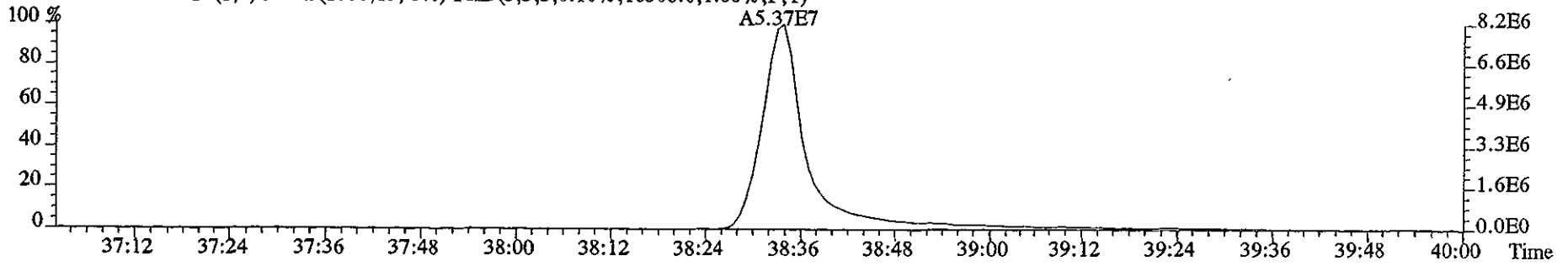
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1044.0,1.00%,F,T)



469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28.0,1.00%,F,T)

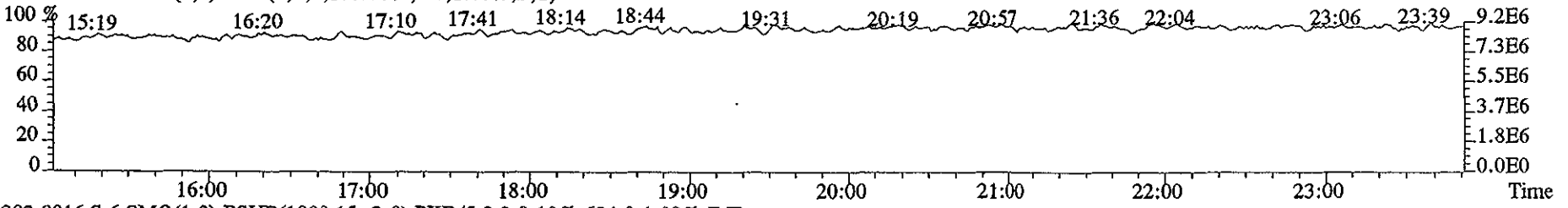


471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18308.0,1.00%,F,T)

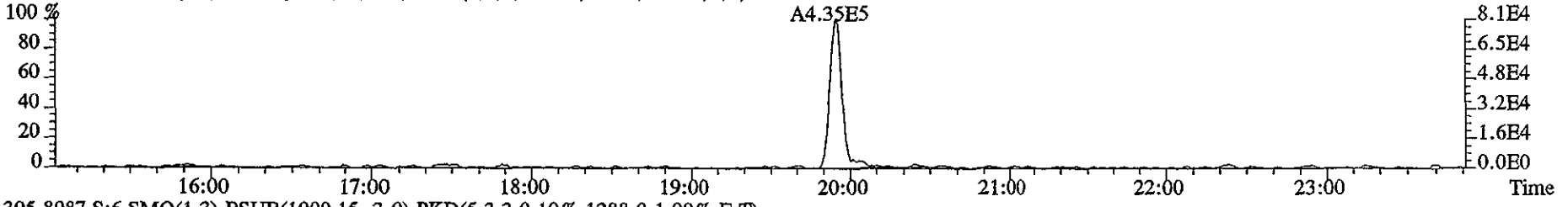


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

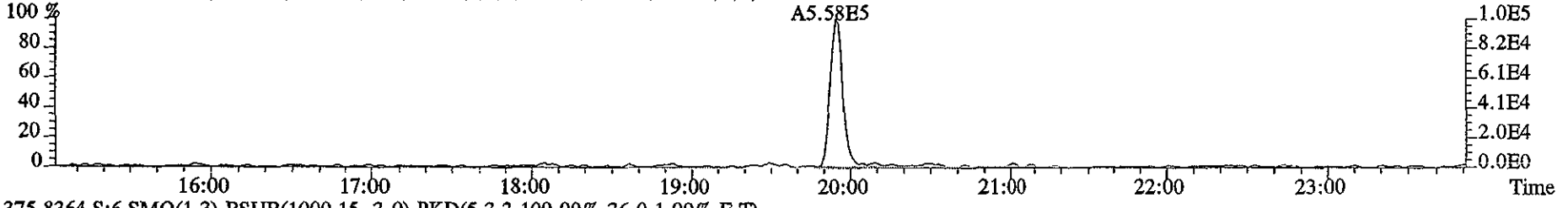
354.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



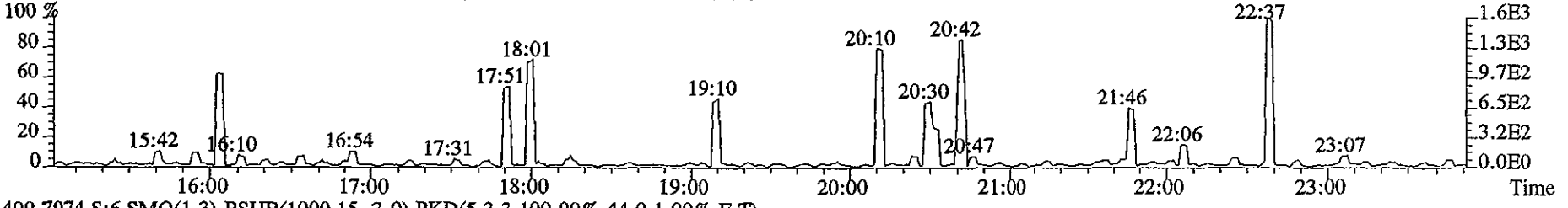
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,604.0,1.00%,F,T)



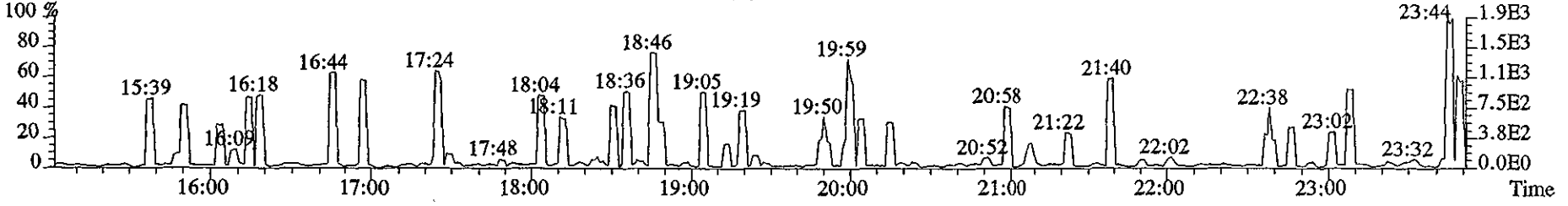
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1288.0,1.00%,F,T)



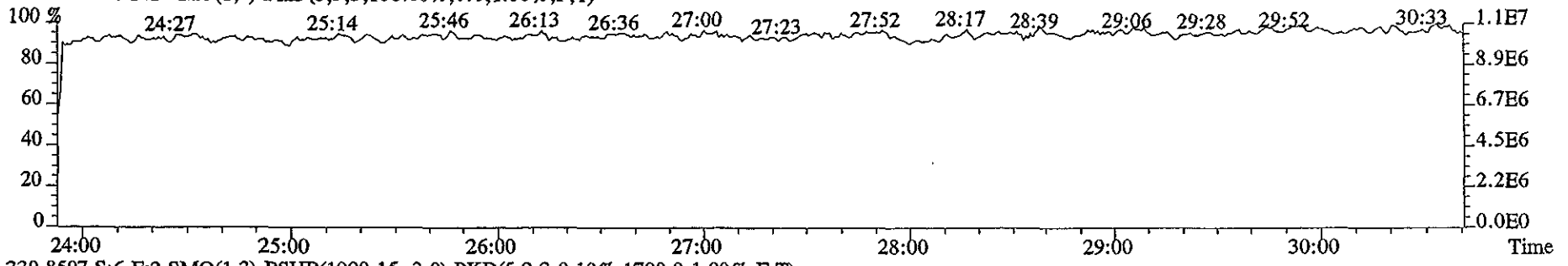
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,36.0,1.00%,F,T)

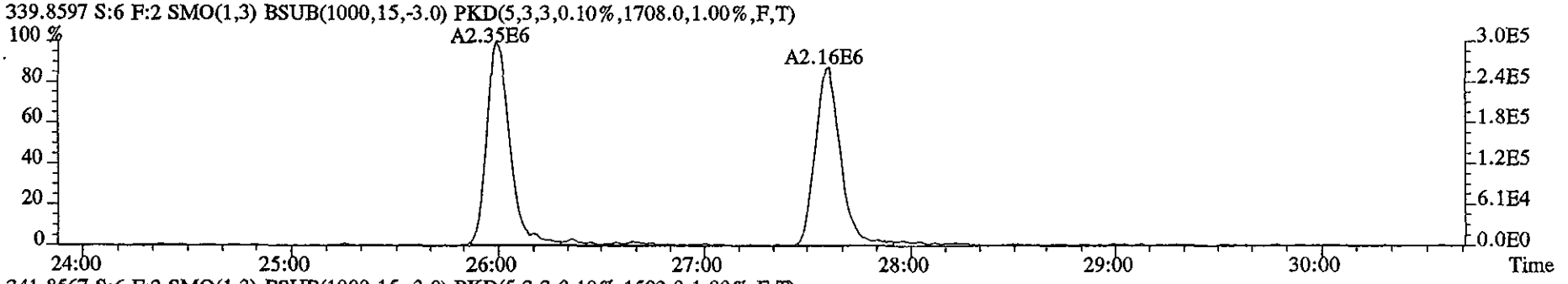


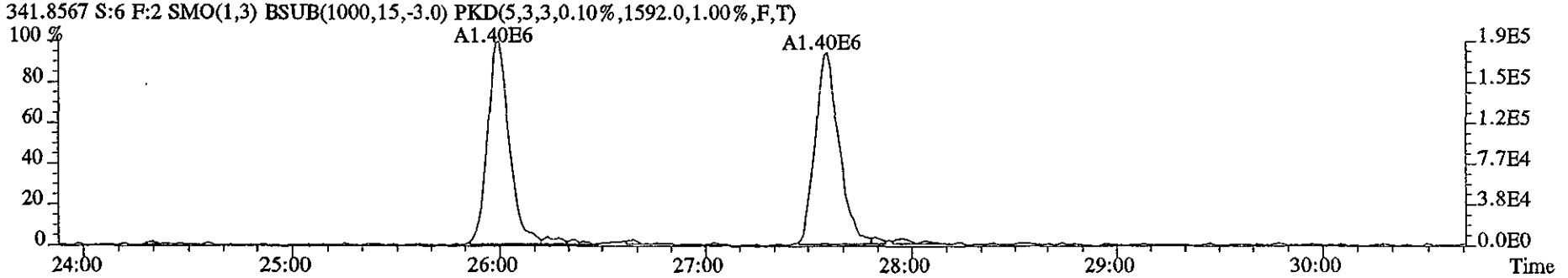
409.7974 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,44.0,1.00%,F,T)

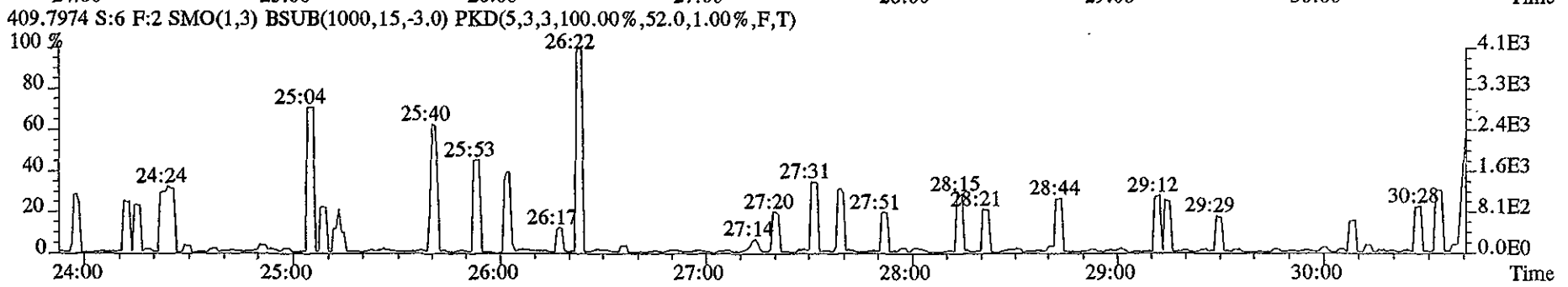


File:11MY10A4D5 #1-543 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

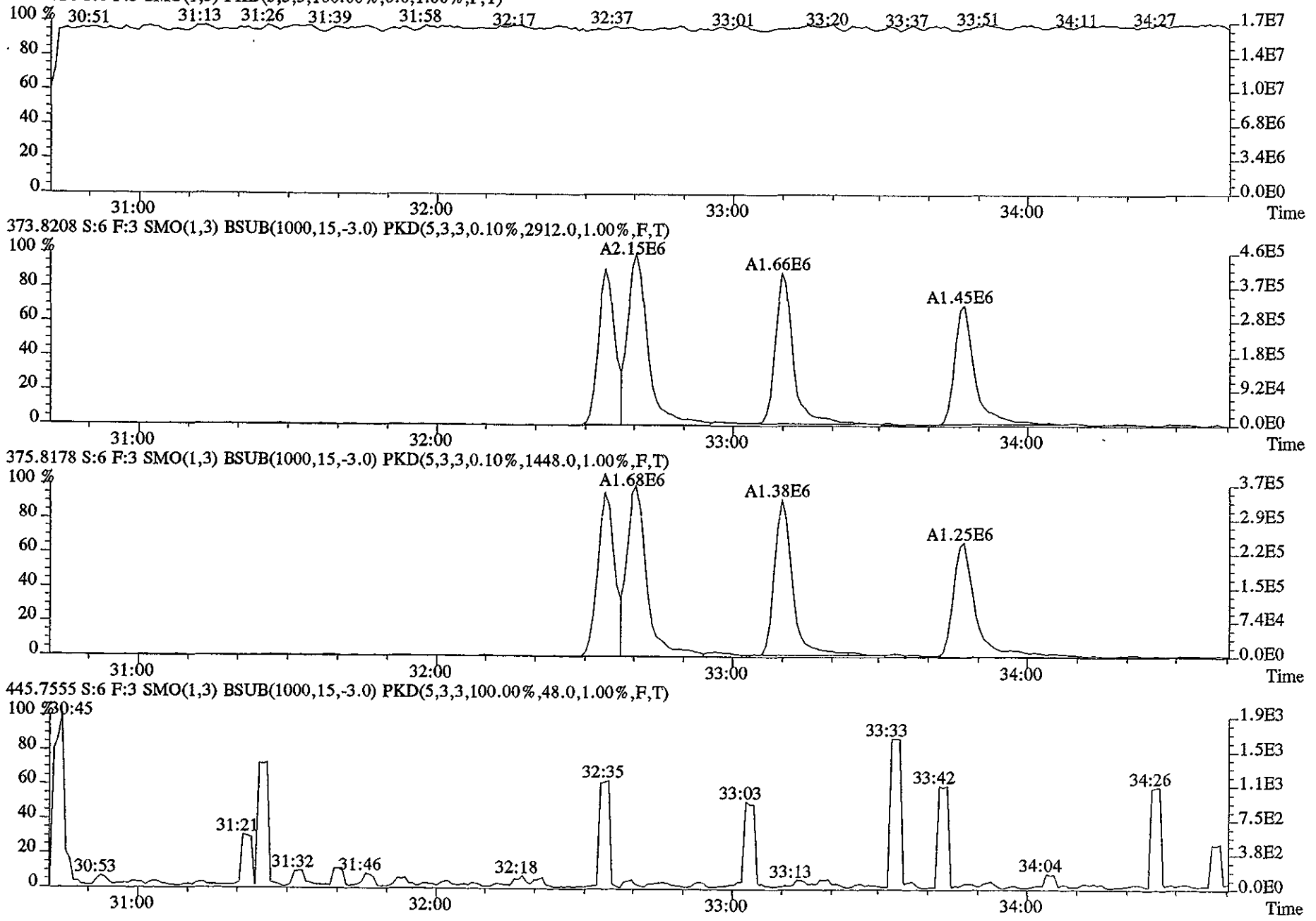




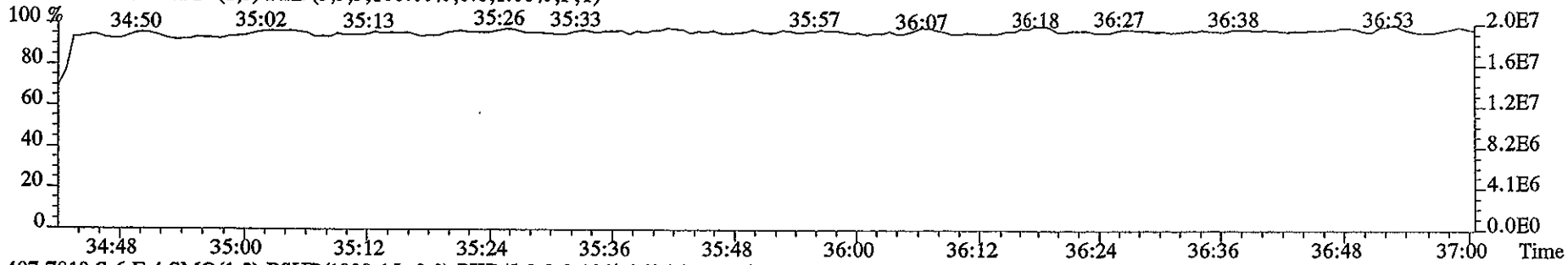


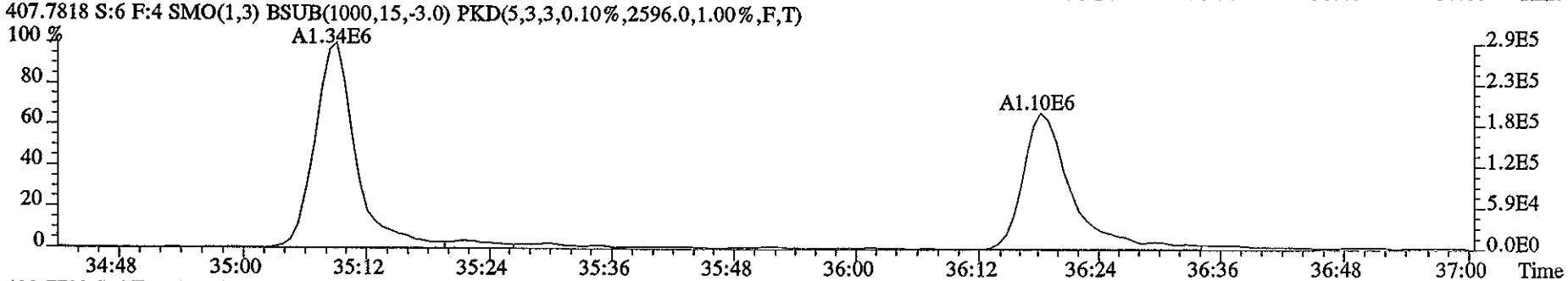


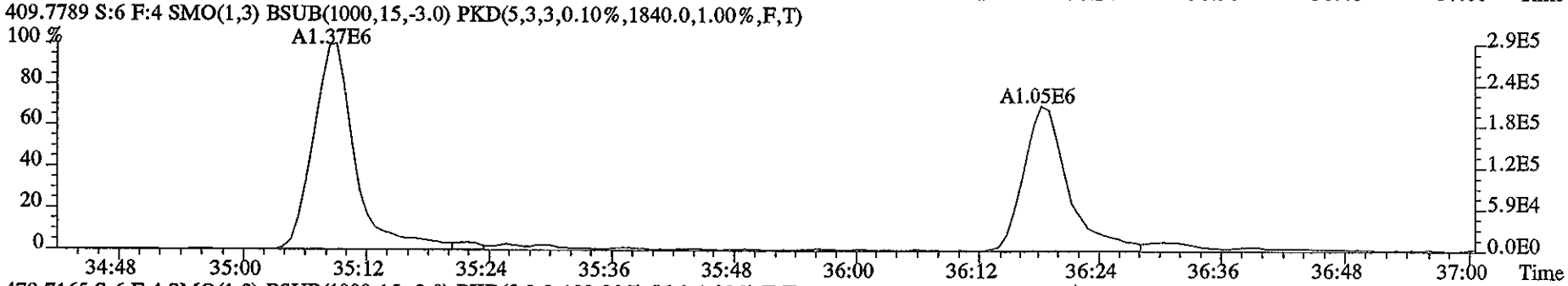
File:11MY10A4D5 #1-301 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

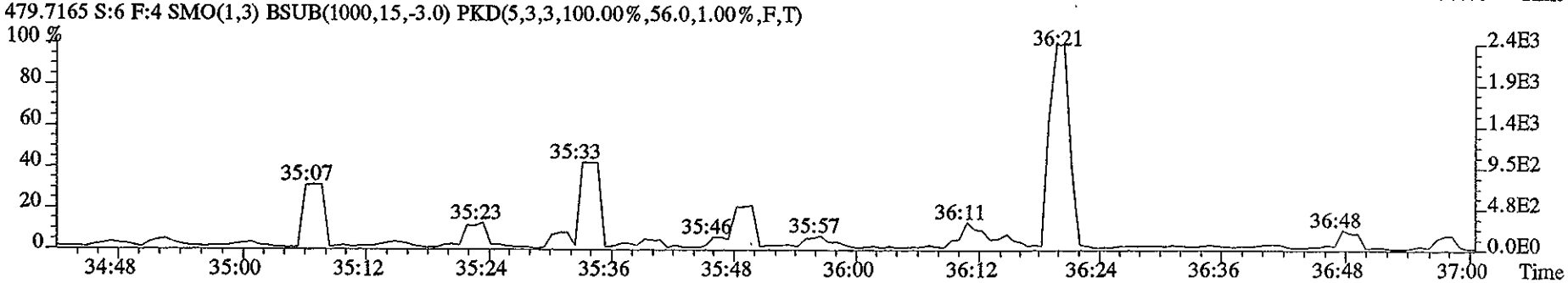


File:11MY10A4D5 #1-185 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

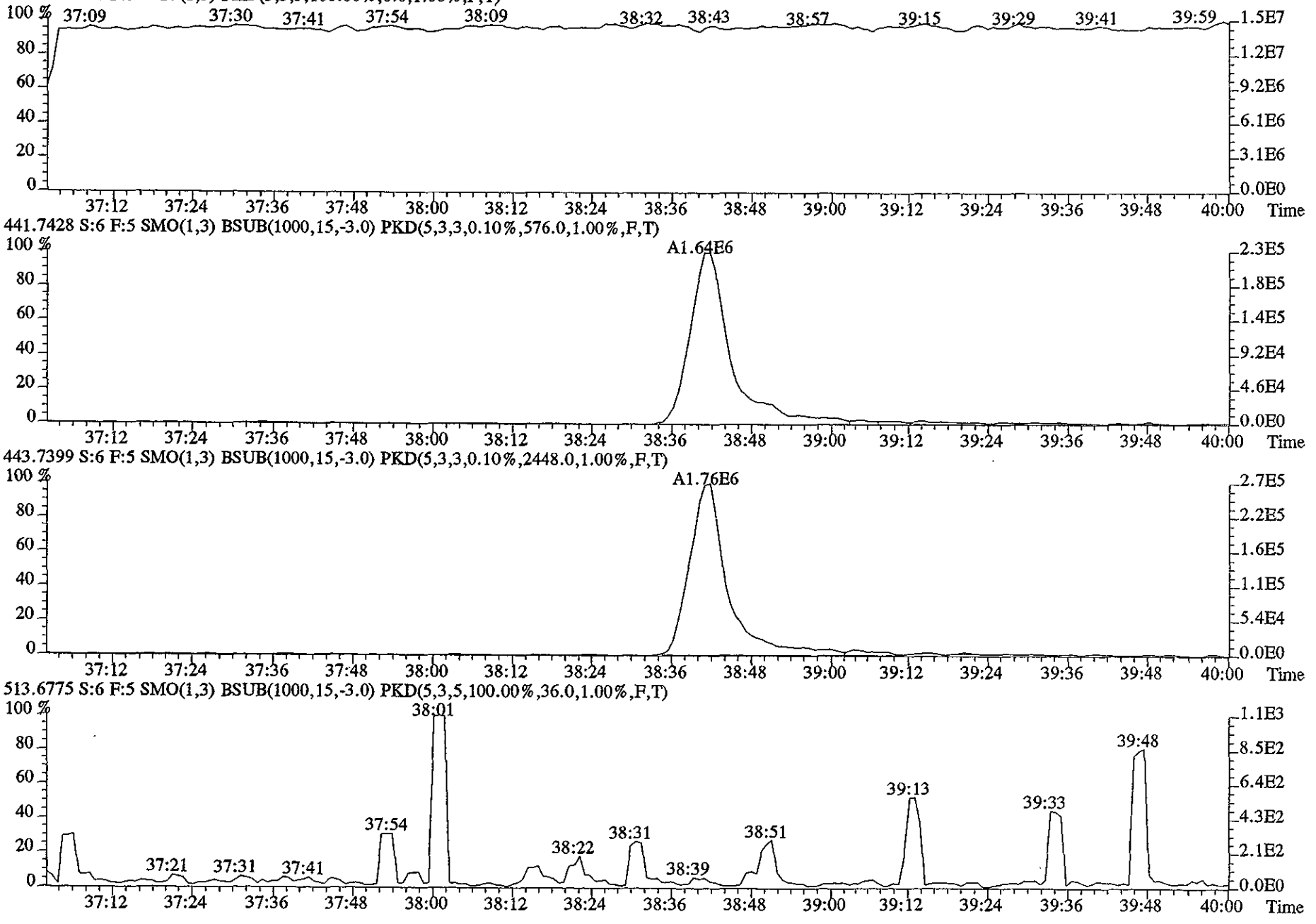






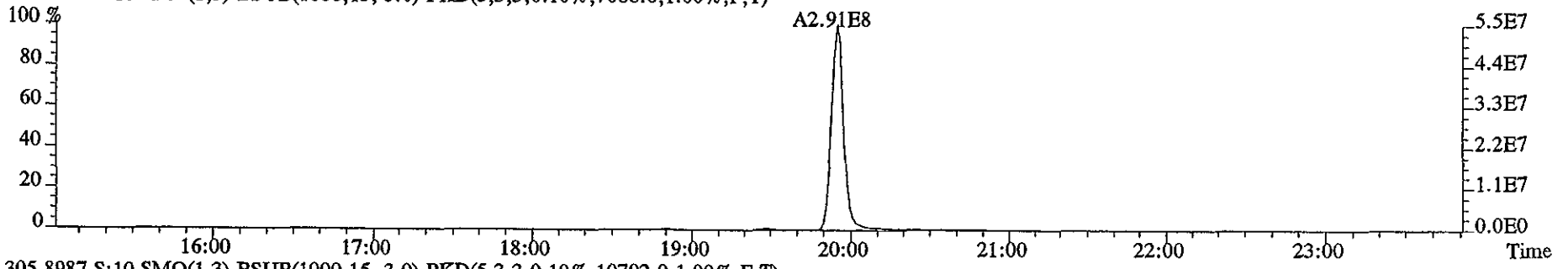


File:11MY10A4D5 #1-228 Acq:11-MAY-2010 16:23:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0511D :CS-1 10DXN124 RI Exp:DIOXINRES8290A

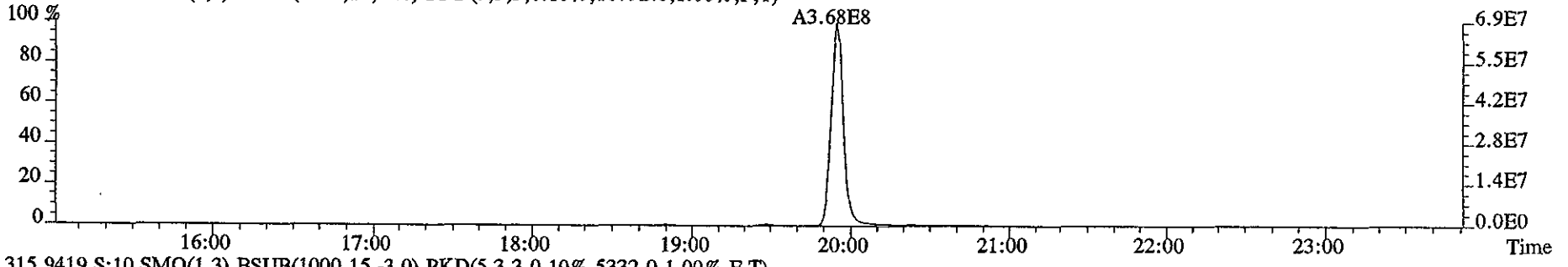


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

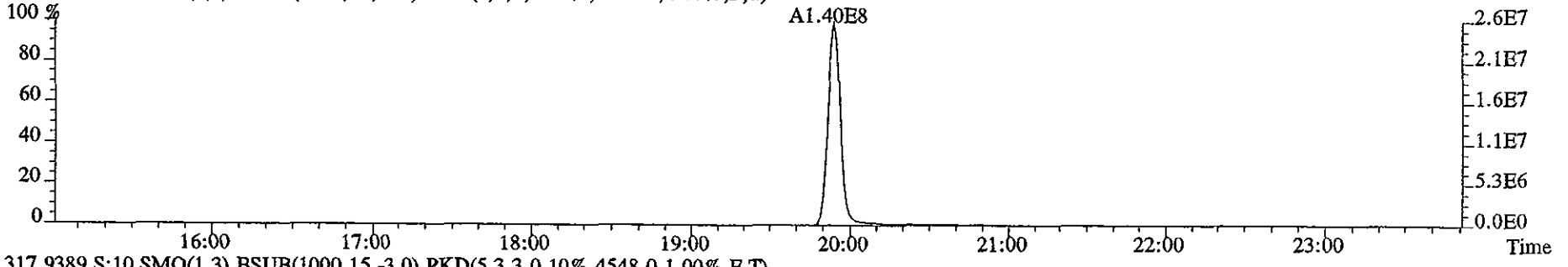
303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7088.0,1.00%,F,T)



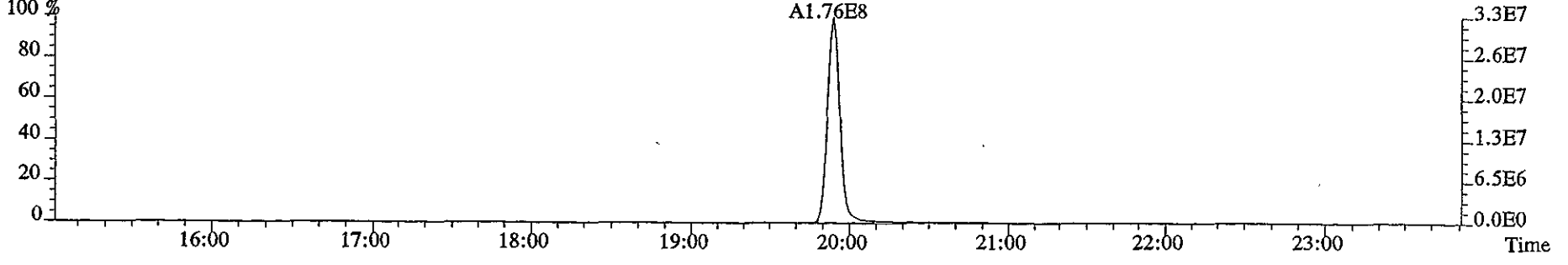
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10792.0,1.00%,F,T)



315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5332.0,1.00%,F,T)

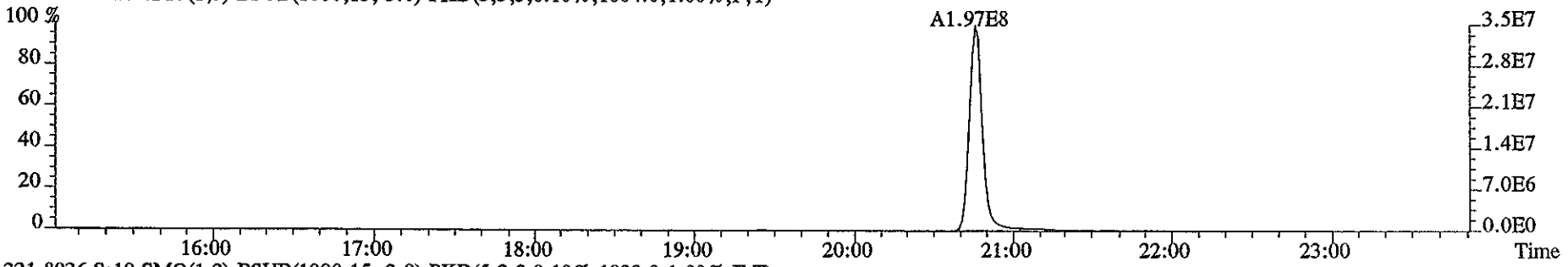


317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)

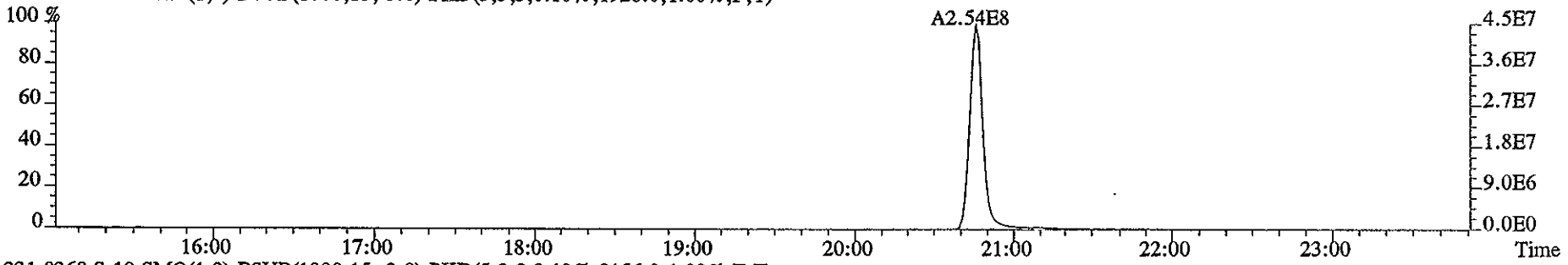


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

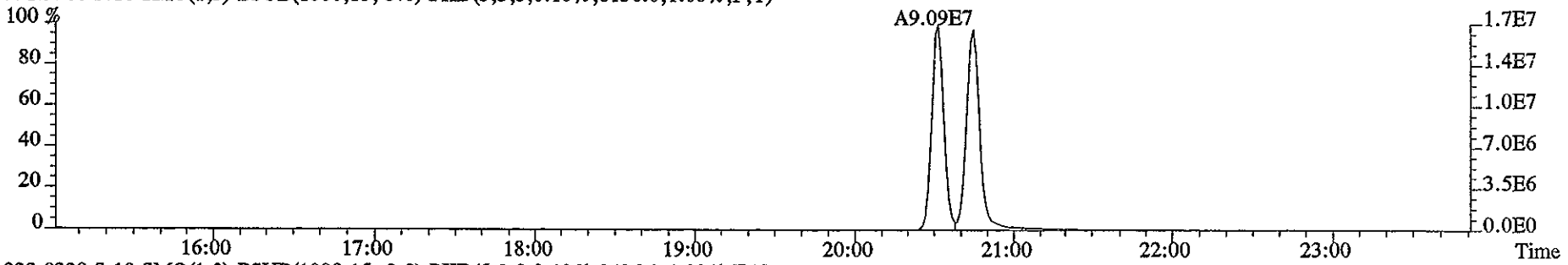
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



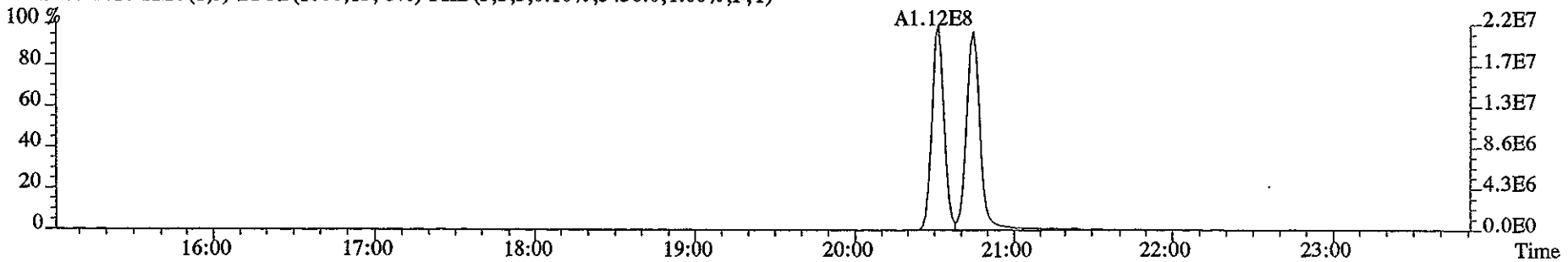
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1928.0,1.00%,F,T)



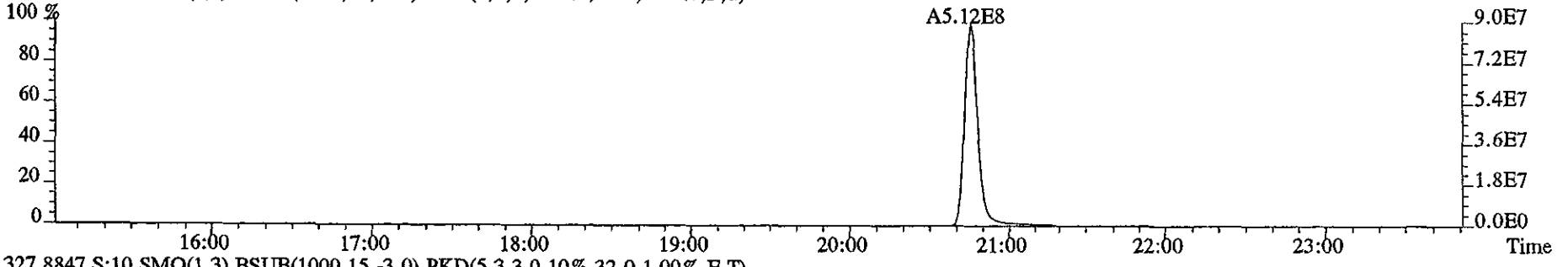
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8156.0,1.00%,F,T)



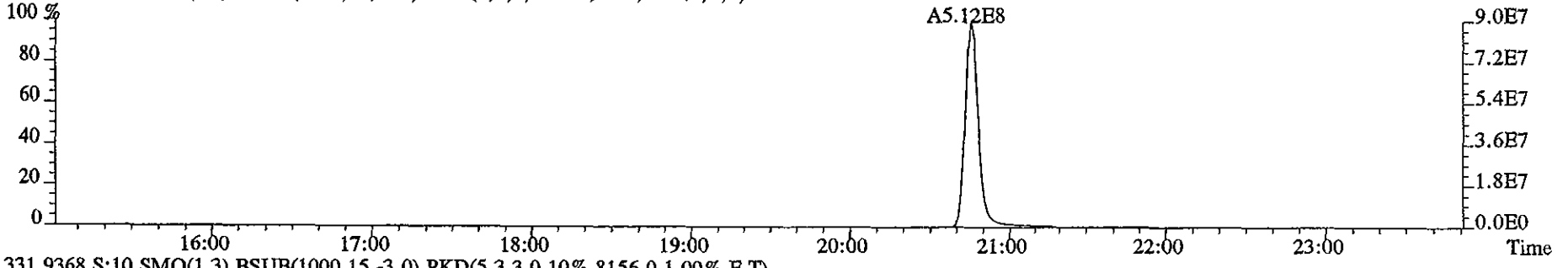
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3436.0,1.00%,F,T)



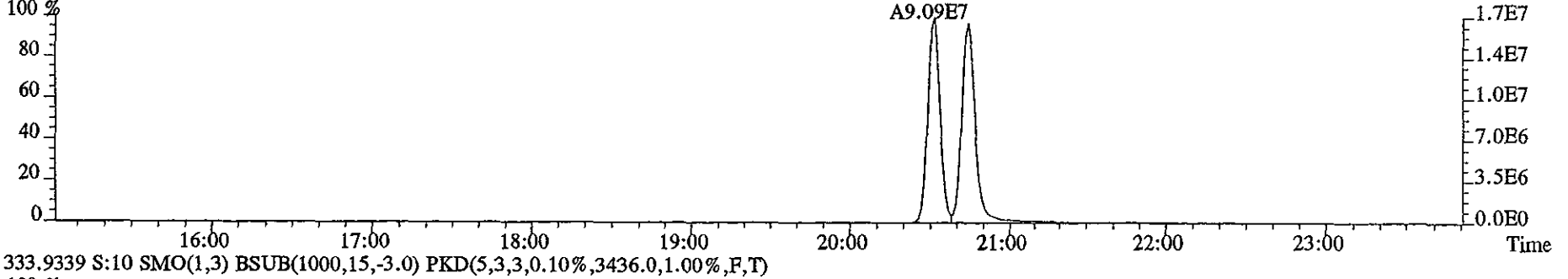
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
327.8847 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32.0,1.00%,F,T)



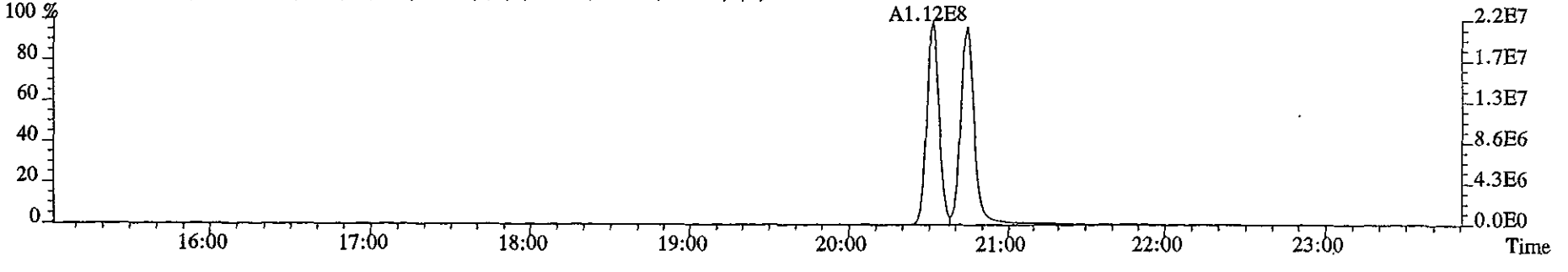
327.8847 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32.0,1.00%,F,T)



331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8156.0,1.00%,F,T)

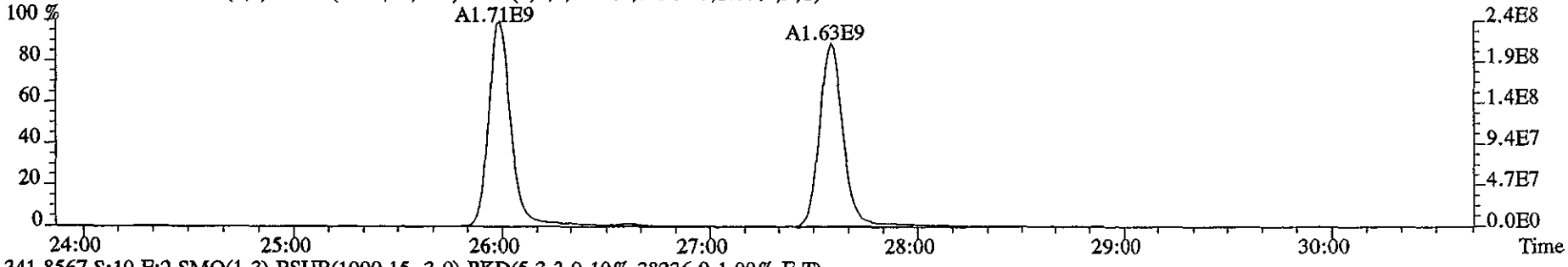


333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3436.0,1.00%,F,T)

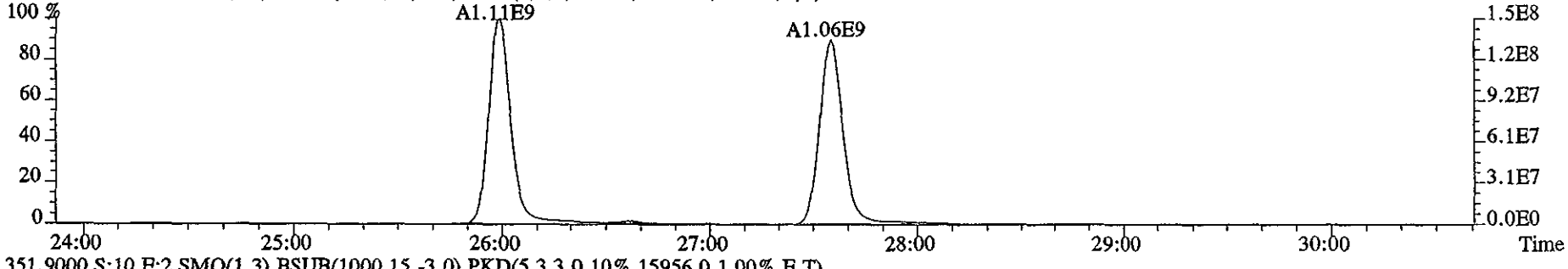


File:11MY10A4D5 #1-543 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

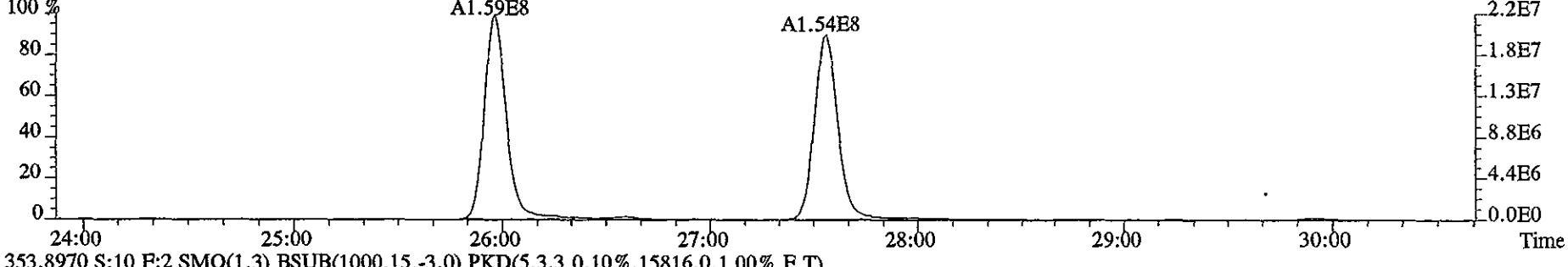
339.8597 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,65368.0,1.00%,F,T)



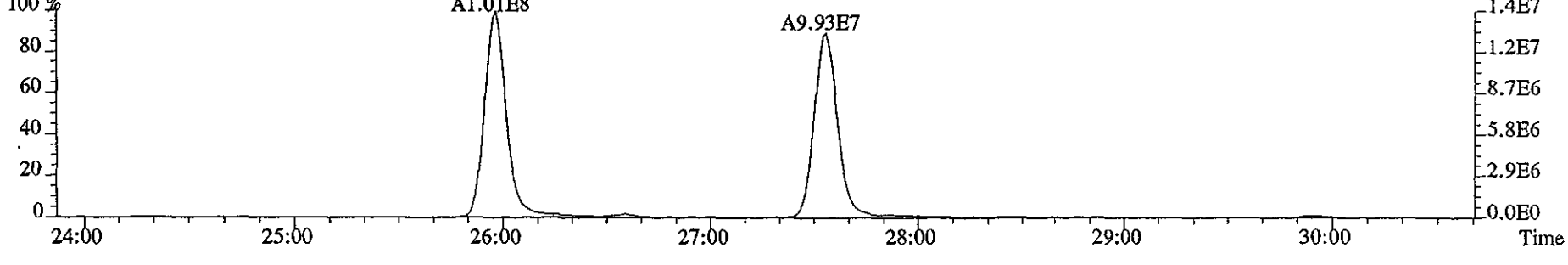
341.8567 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38236.0,1.00%,F,T)



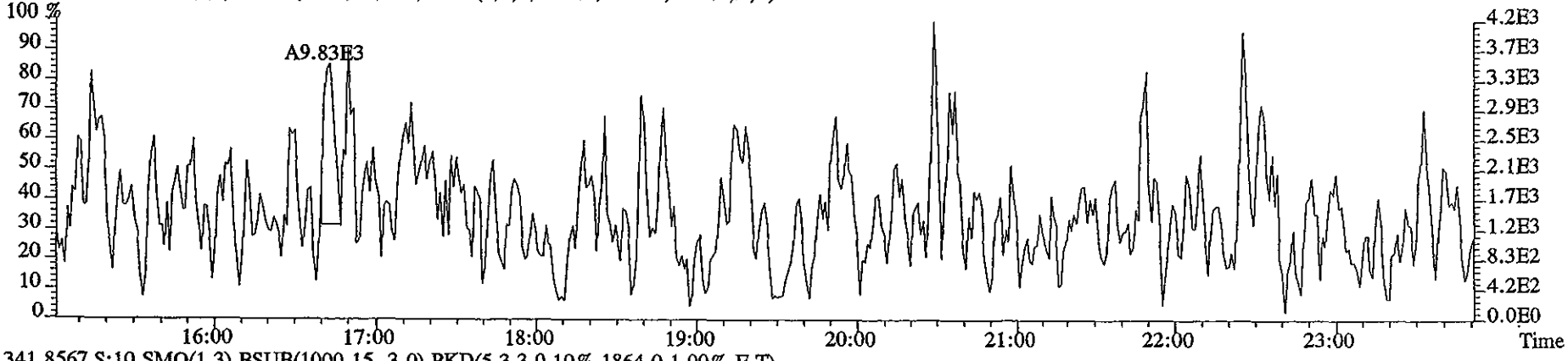
351.9000 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15956.0,1.00%,F,T)



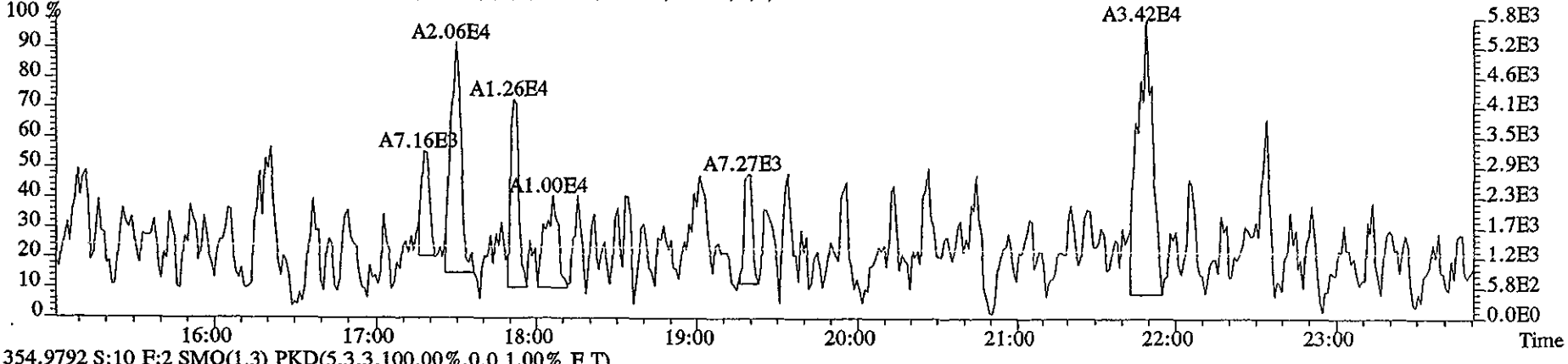
353.8970 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15816.0,1.00%,F,T)



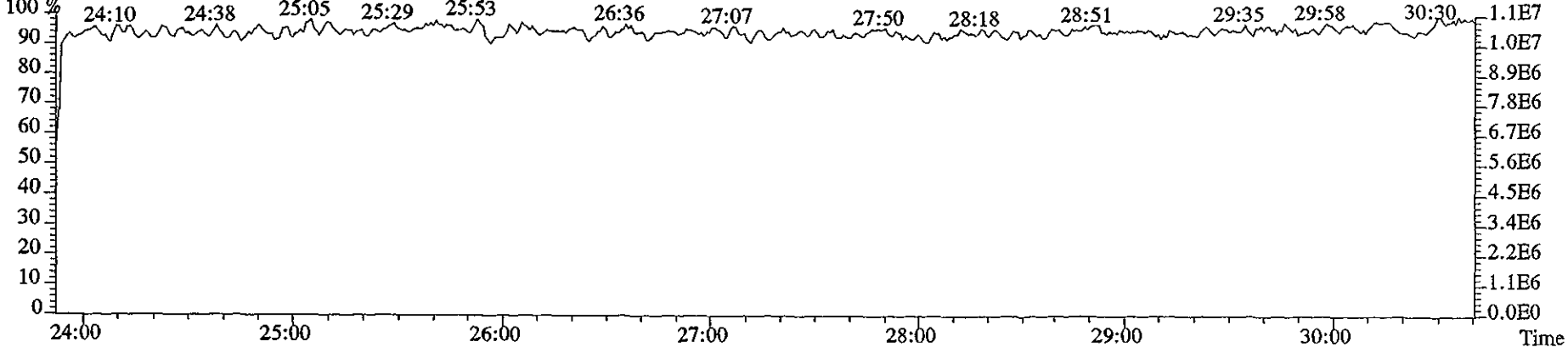
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
339.8597 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2156.0,1.00%,F,T)



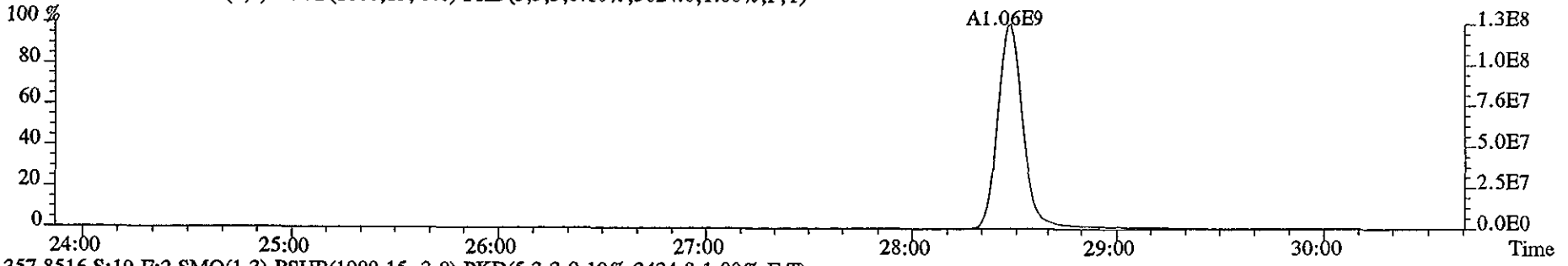
341.8567 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1864.0,1.00%,F,T)



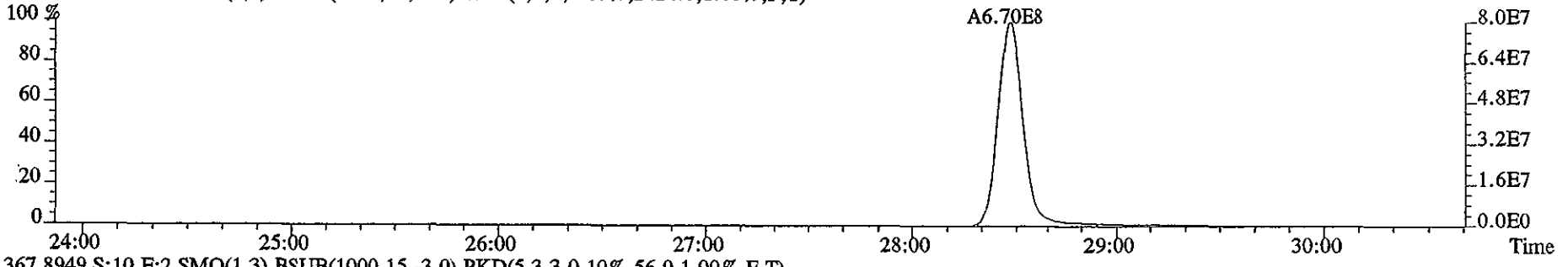
354.9792 S:10 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



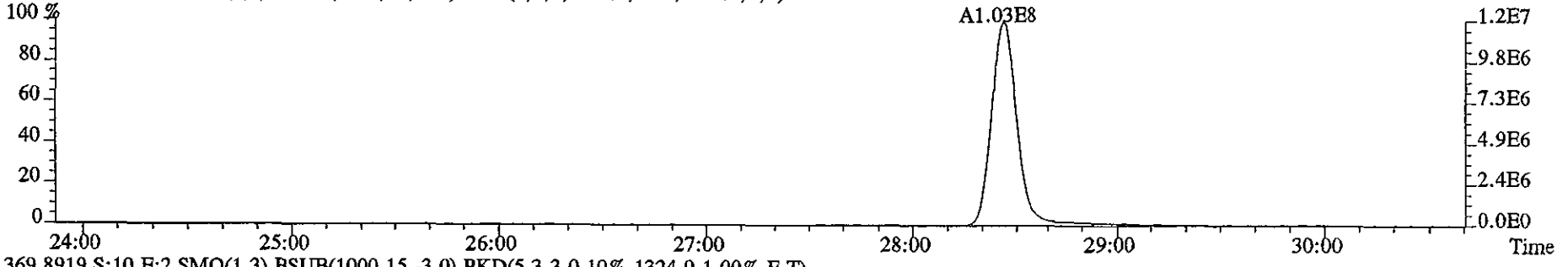
File:11MY10A4D5 #1-543 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
355.8546 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3024.0,1.00%,F,T)



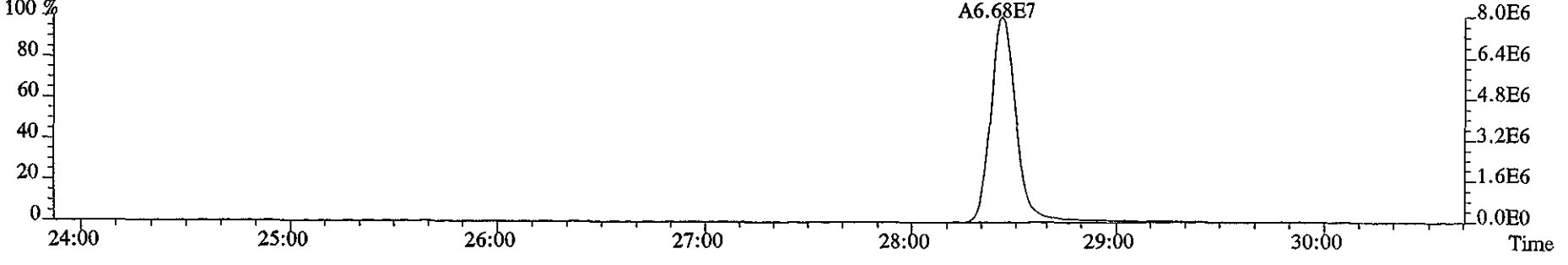
357.8516 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)



367.8949 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)

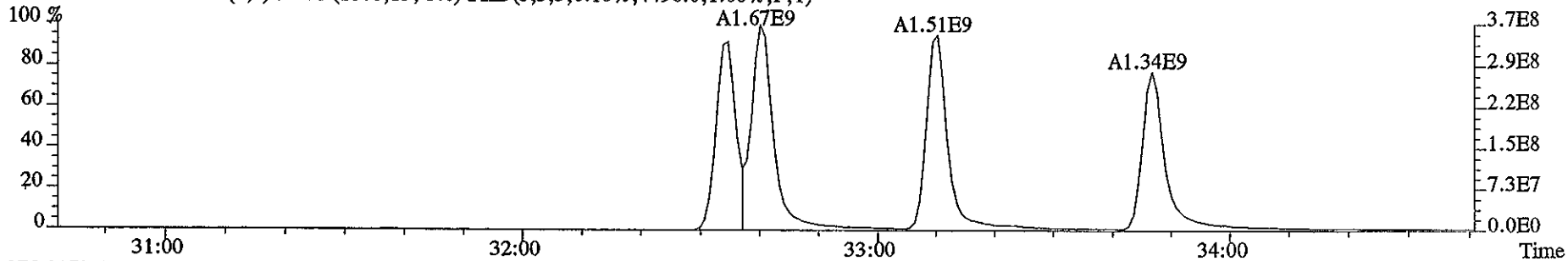


369.8919 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)

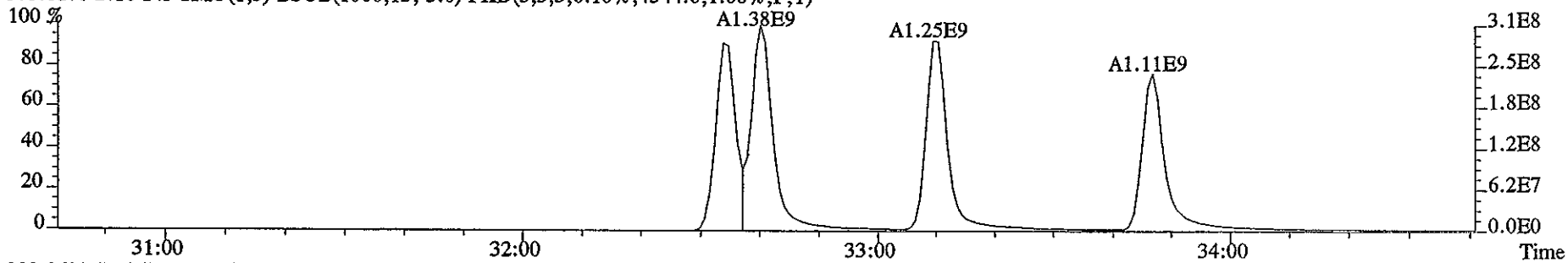


File:11MY10A4D5 #1-302 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

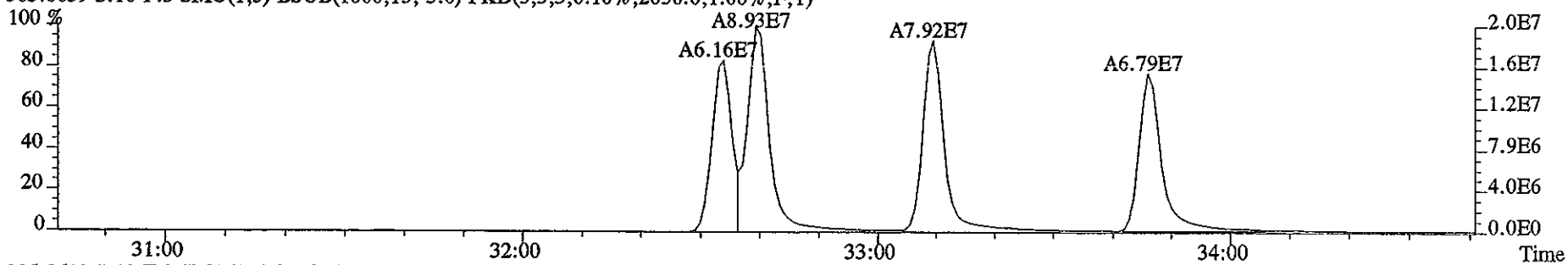
373.8208 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



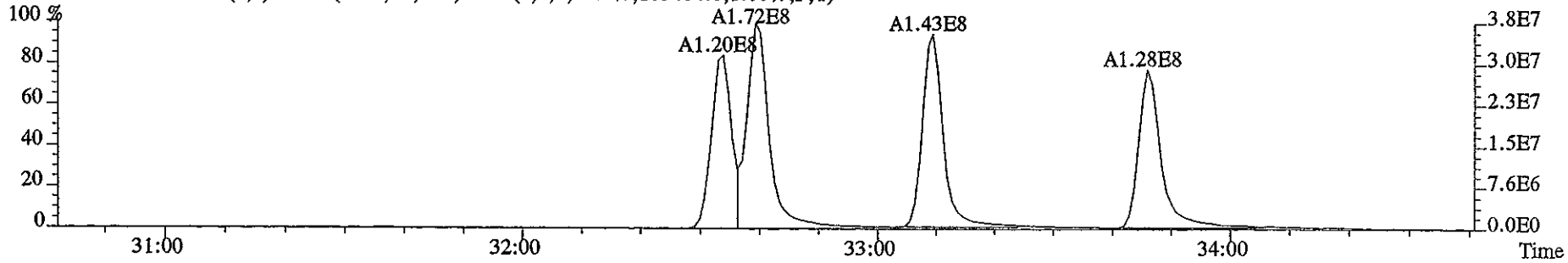
375.8178 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4344.0,1.00%,F,T)



383.8639 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2056.0,1.00%,F,T)

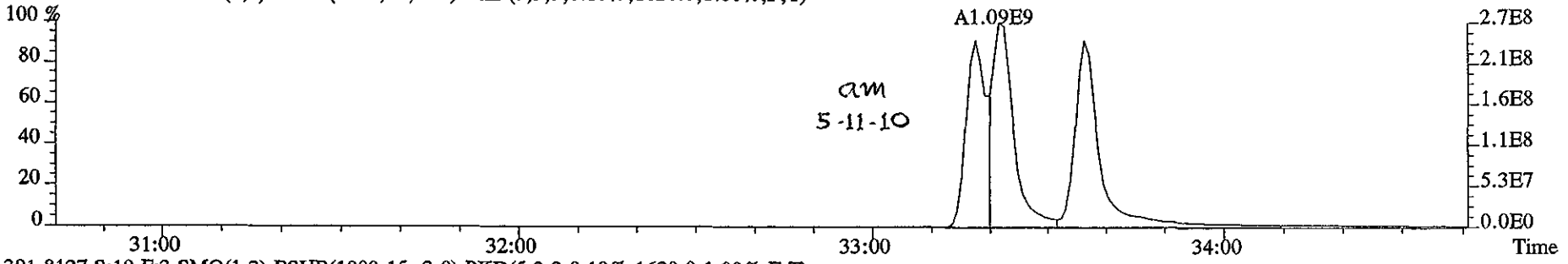


385.8610 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,103484.0,1.00%,F,T)



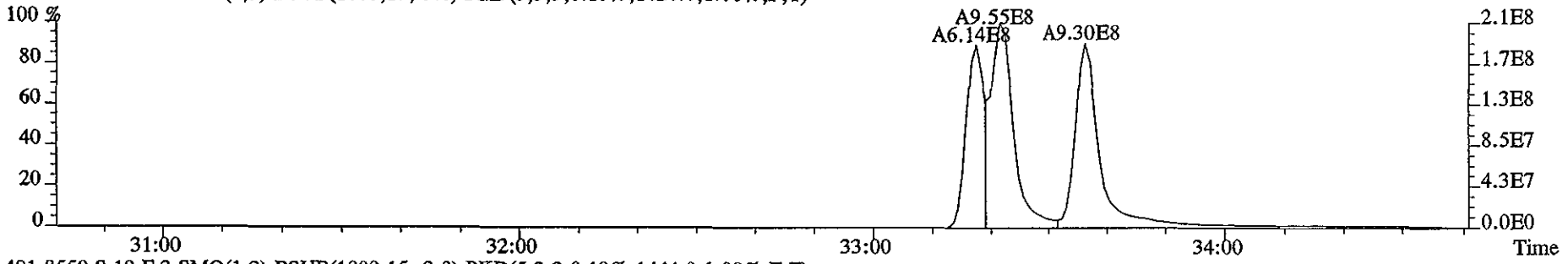
File:11MY10A4D5 #1-302 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

389.8157 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)

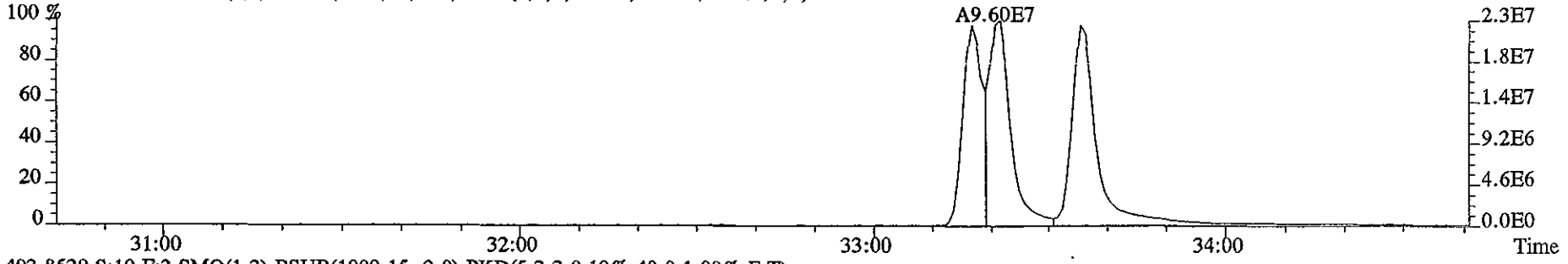


am
5-11-10

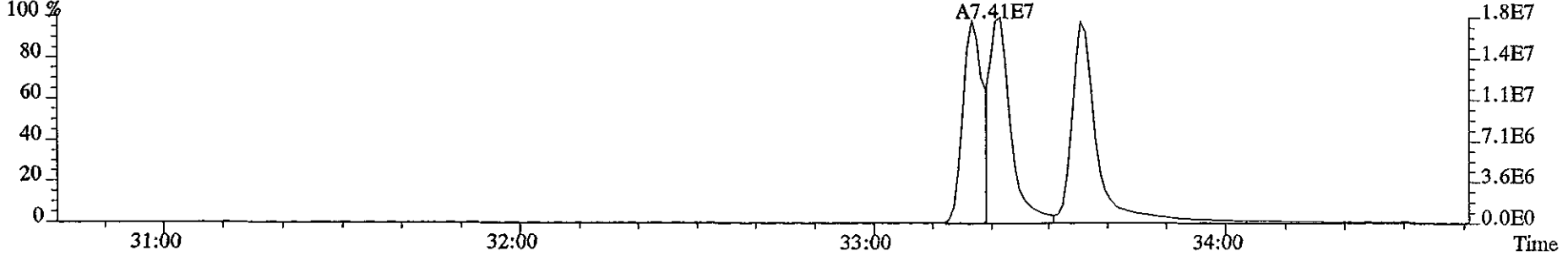
391.8127 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1620.0,1.00%,F,T)



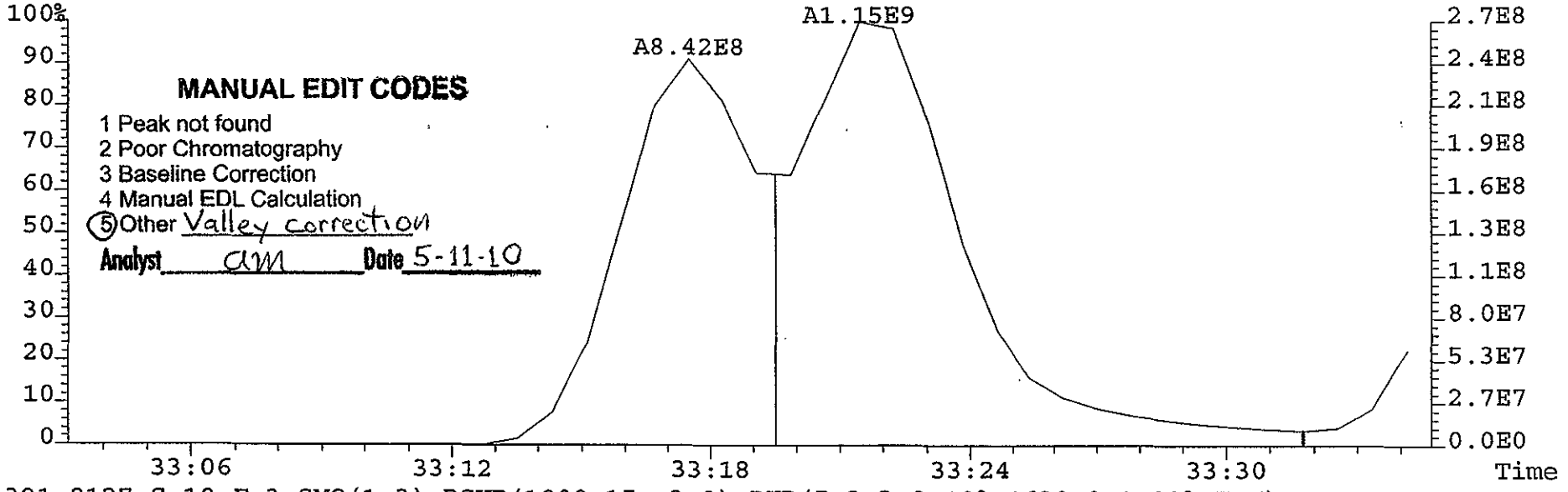
401.8559 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)



403.8529 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



File:11MY10A4D5 #1-302 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
389.8157 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)

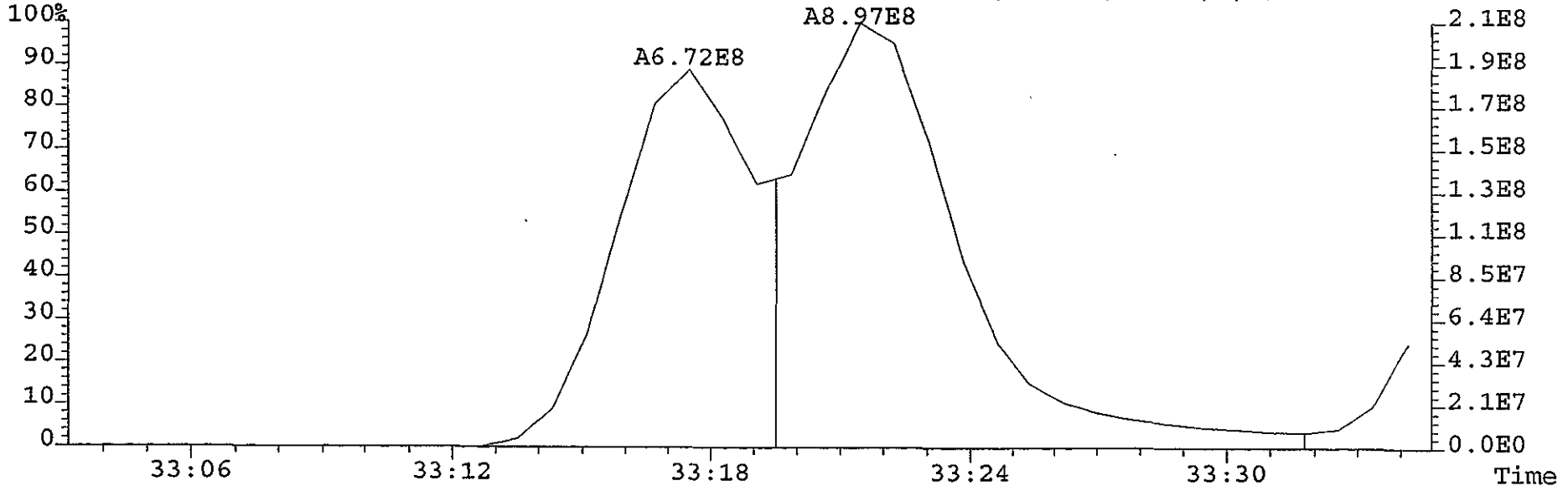


MANUAL EDIT CODES

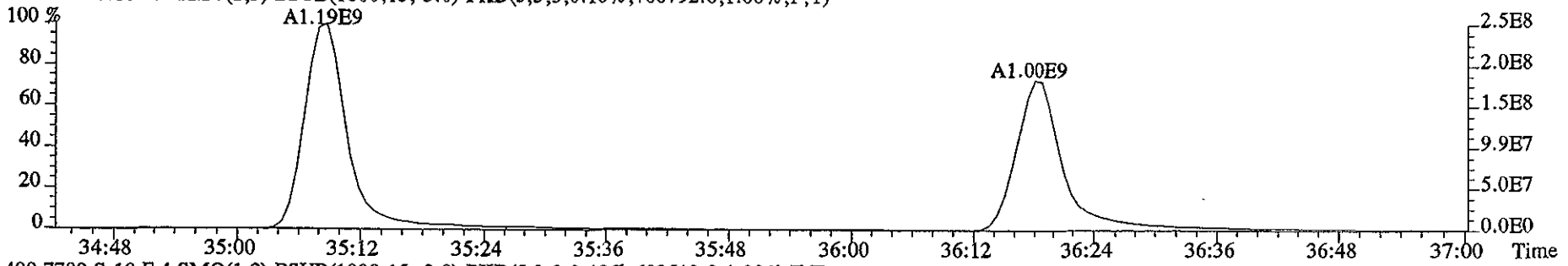
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
(5) Other Valley correction

Analyst AM Date 5-11-10

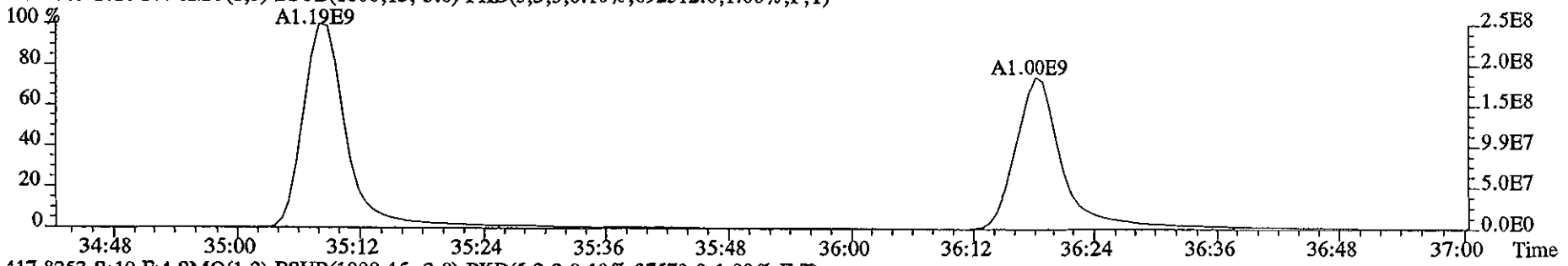
391.8127 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1620.0,1.00%,F,T)



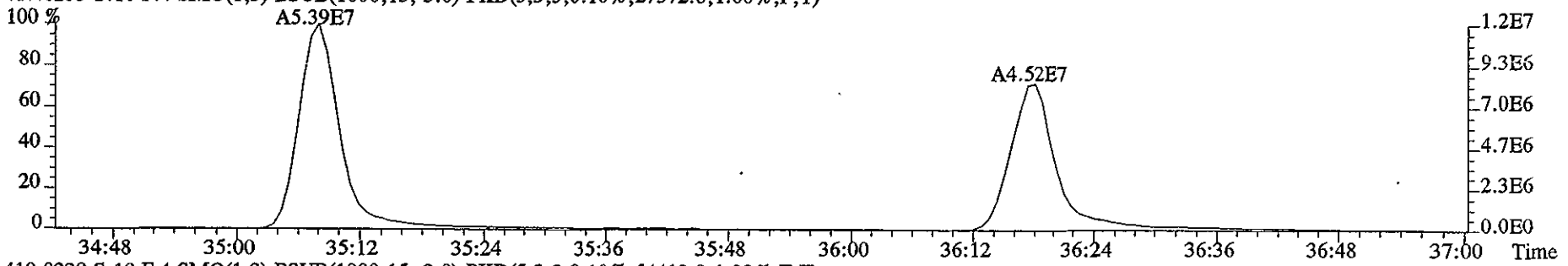
File:11MY10A4D5 #1-184 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
407.7818 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,700792.0,1.00%,F,T)



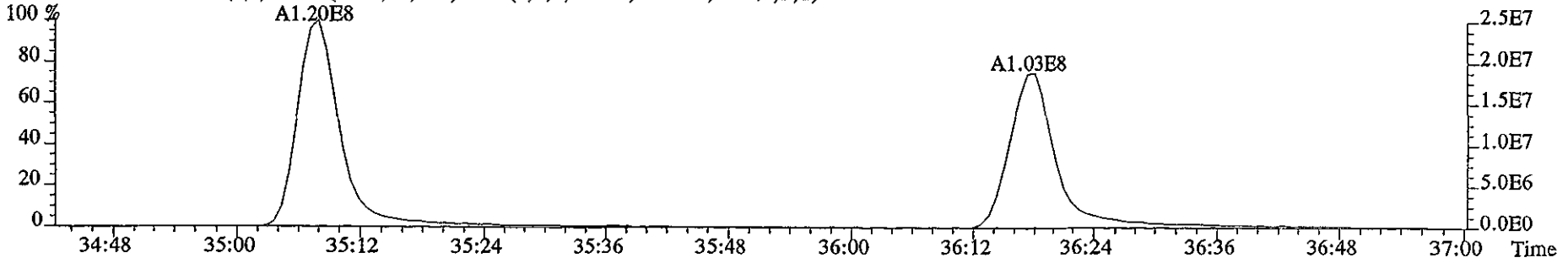
409.7789 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692512.0,1.00%,F,T)



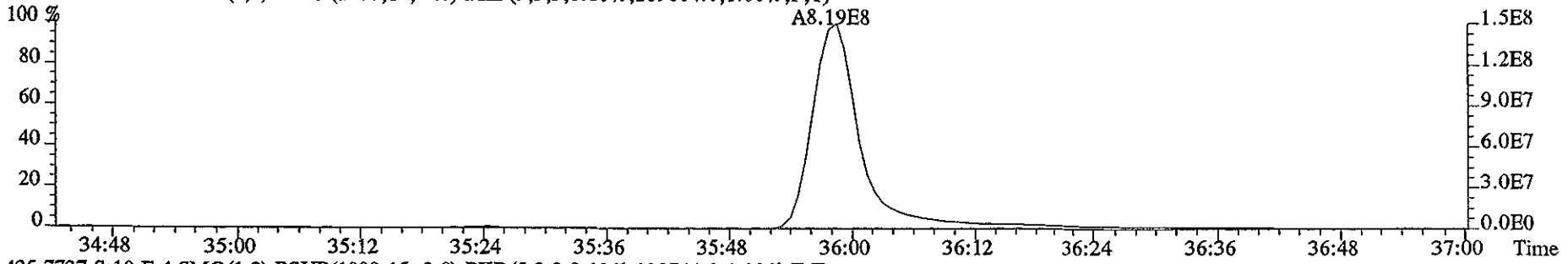
417.8253 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27572.0,1.00%,F,T)



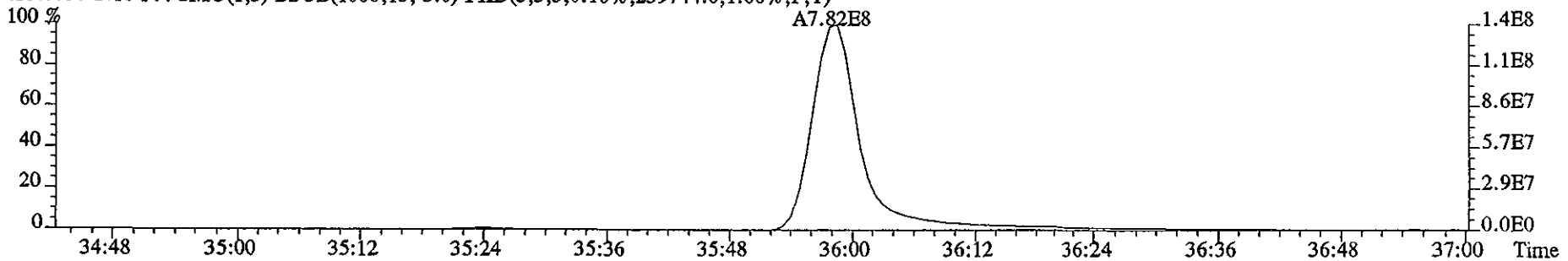
419.8220 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,54412.0,1.00%,F,T)



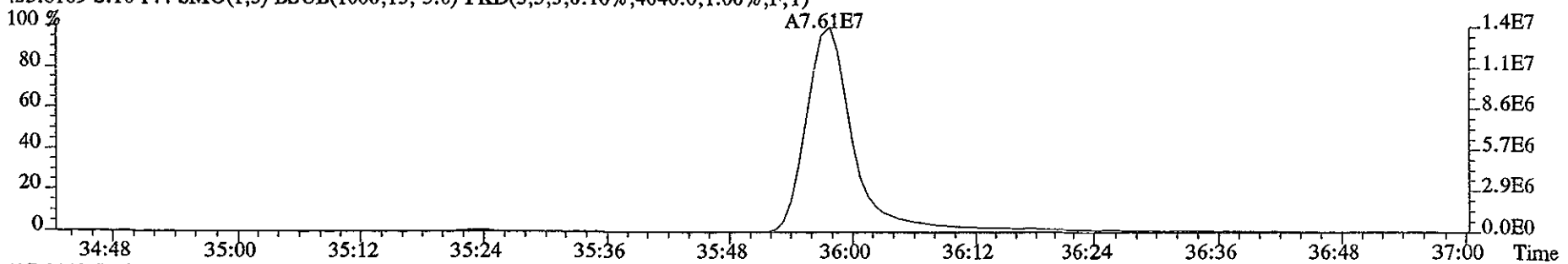
File:11MY10A4D5 #1-184 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
423.7766 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,269664.0,1.00%,F,T)



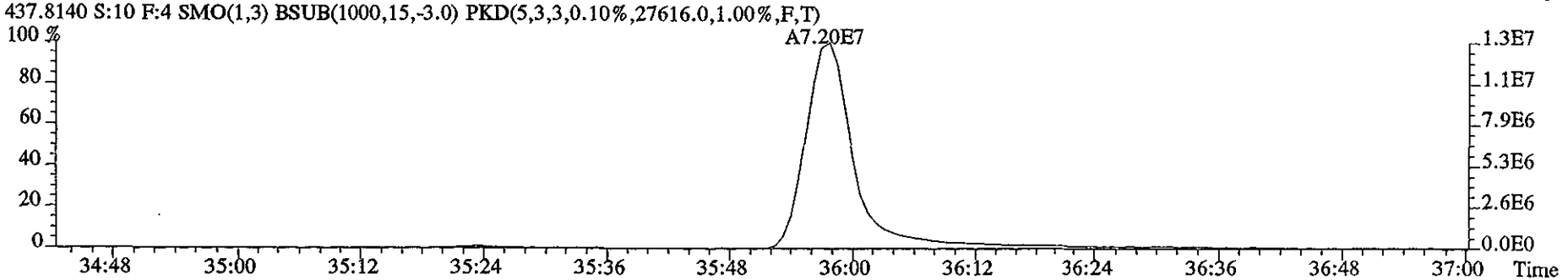
425.7737 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,239744.0,1.00%,F,T)



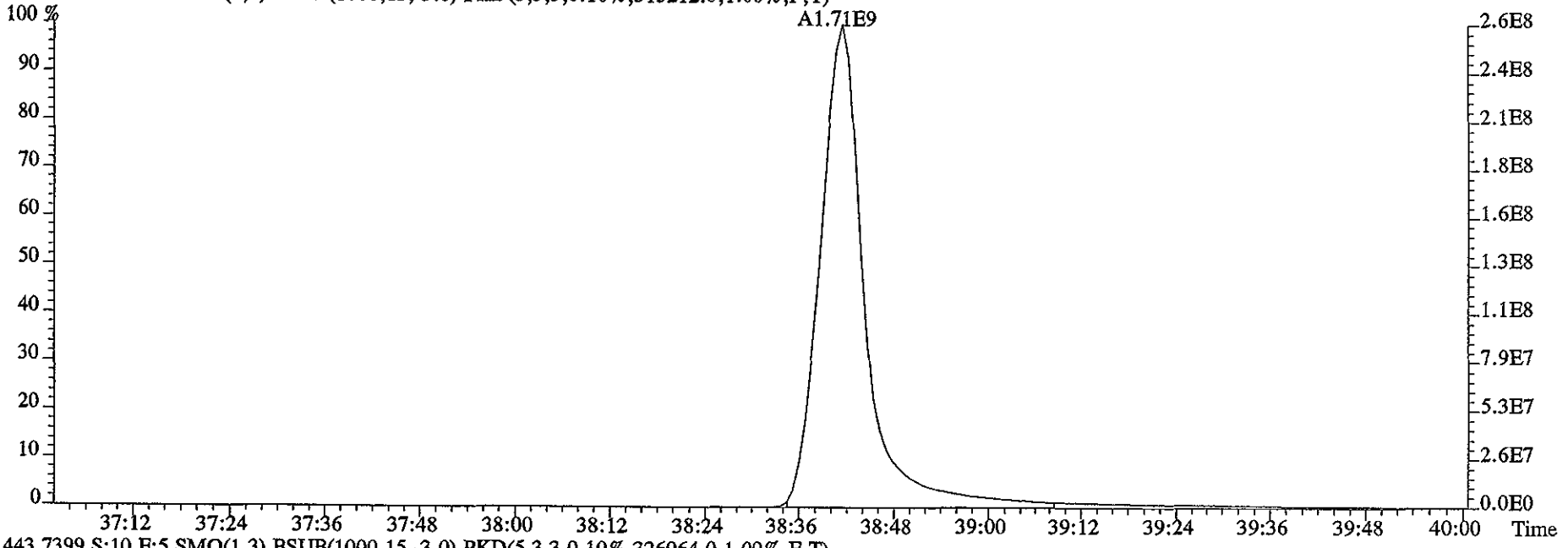
435.8169 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4040.0,1.00%,F,T)



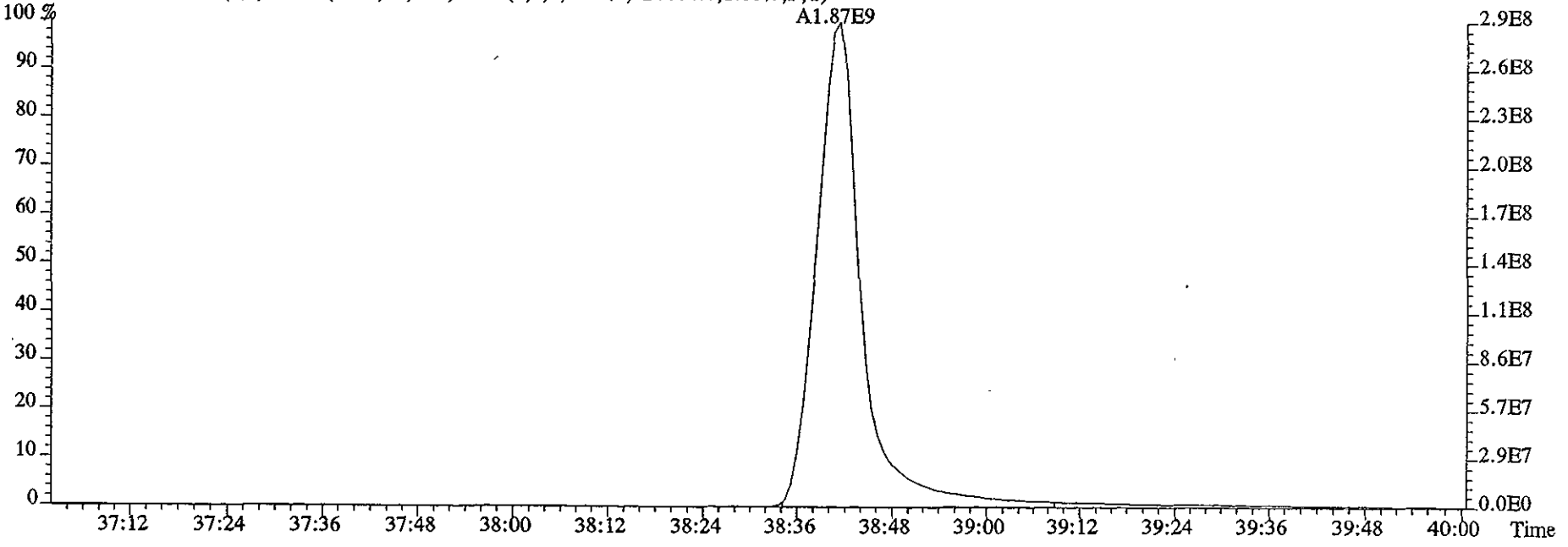
437.8140 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27616.0,1.00%,F,T)



File:11MY10A4D5 #1-229 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
441.7428 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,315212.0,1.00%,F,T)

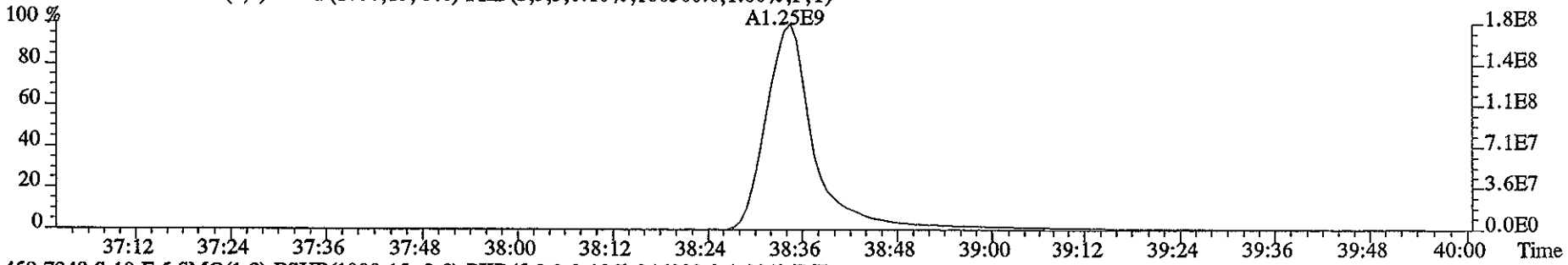


443.7399 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,326064.0,1.00%,F,T)

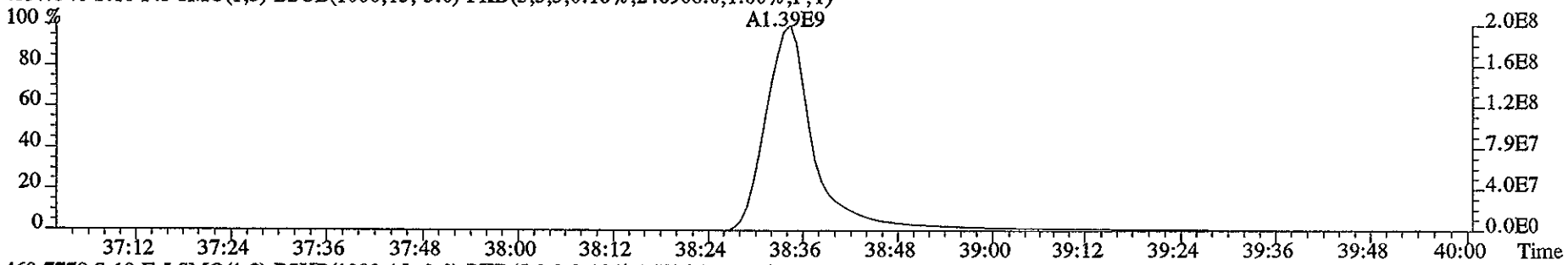


File:11MY10A4D5 #1-229 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

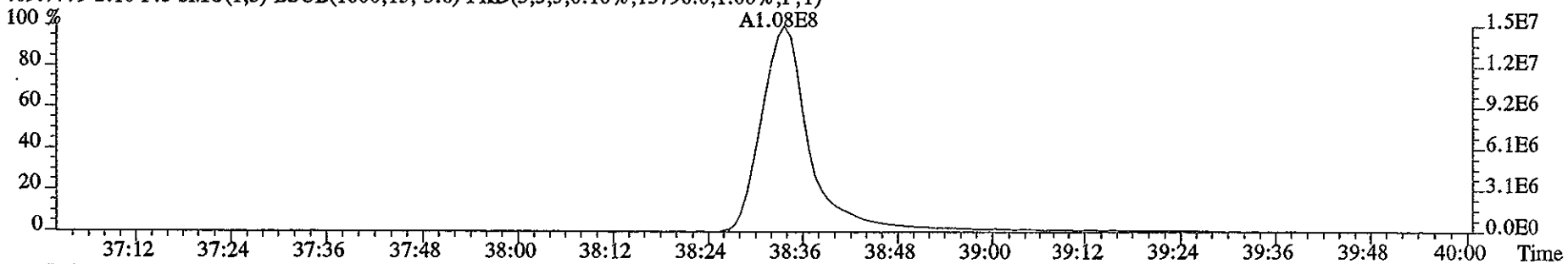
457.7377 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,186360.0,1.00%,F,T)



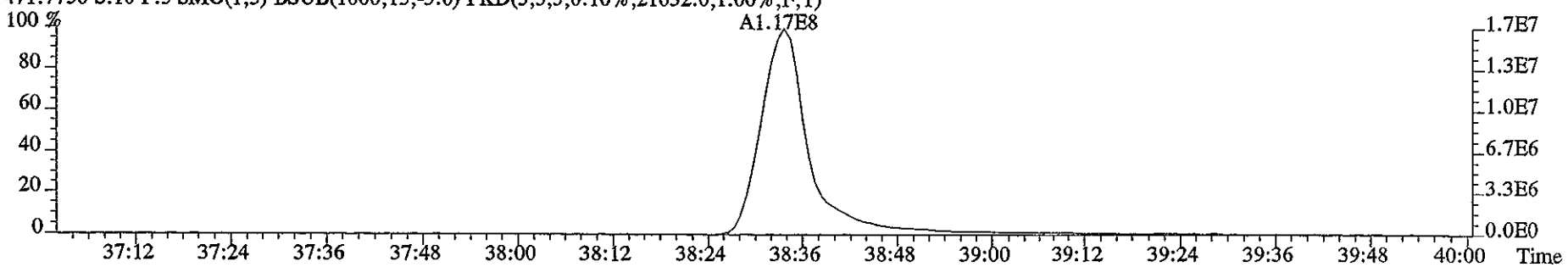
459.7348 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,246908.0,1.00%,F,T)



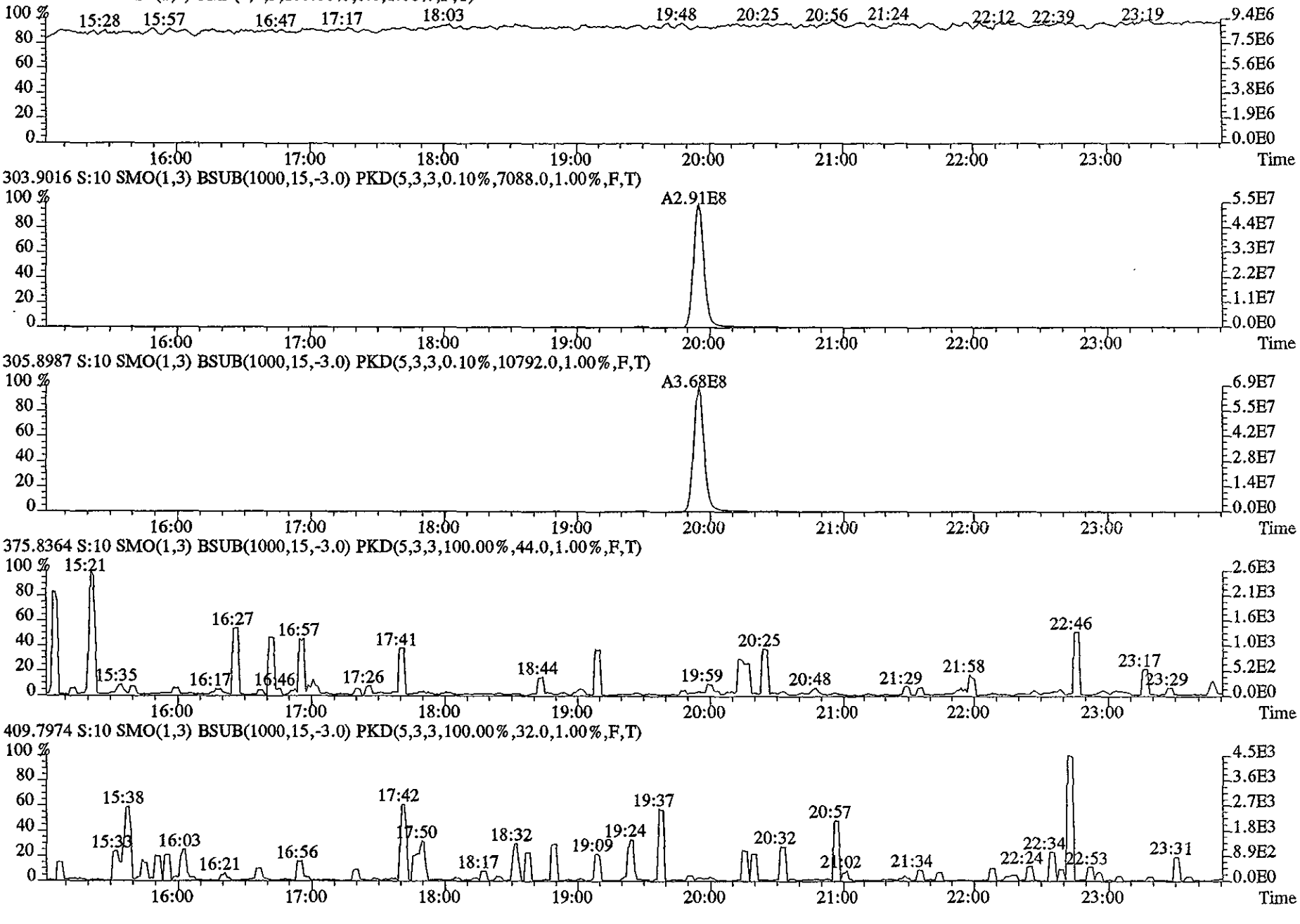
469.7779 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15796.0,1.00%,F,T)



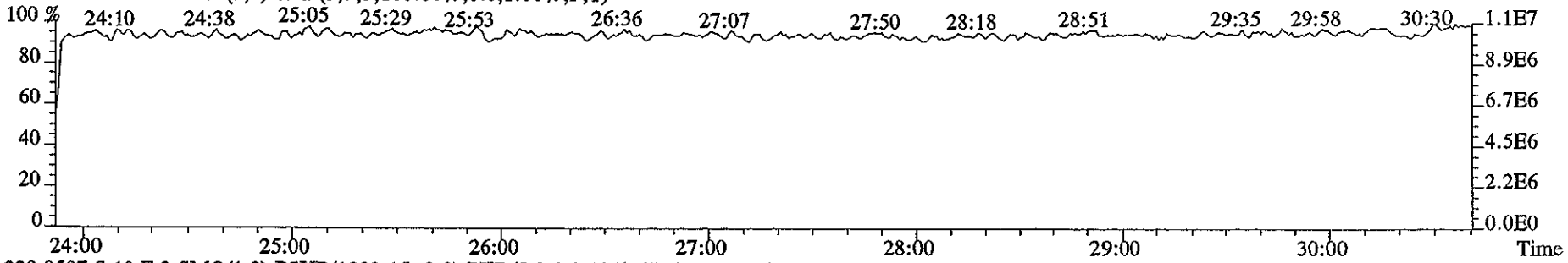
471.7750 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21032.0,1.00%,F,T)



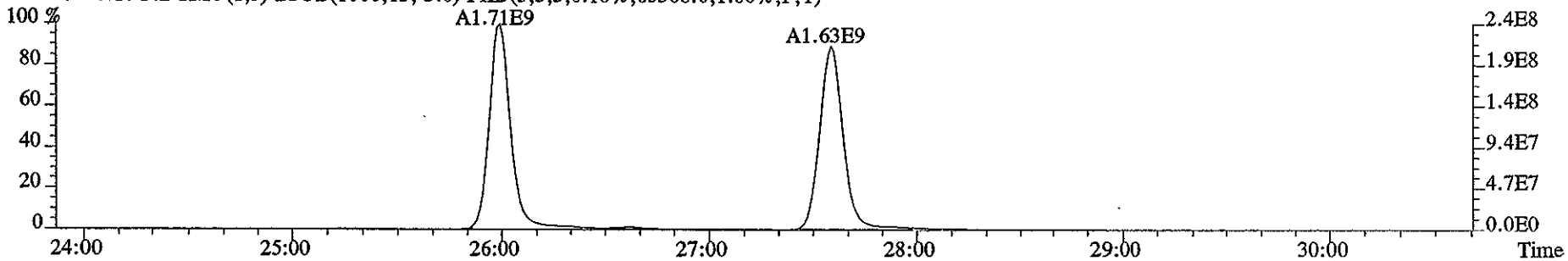
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A



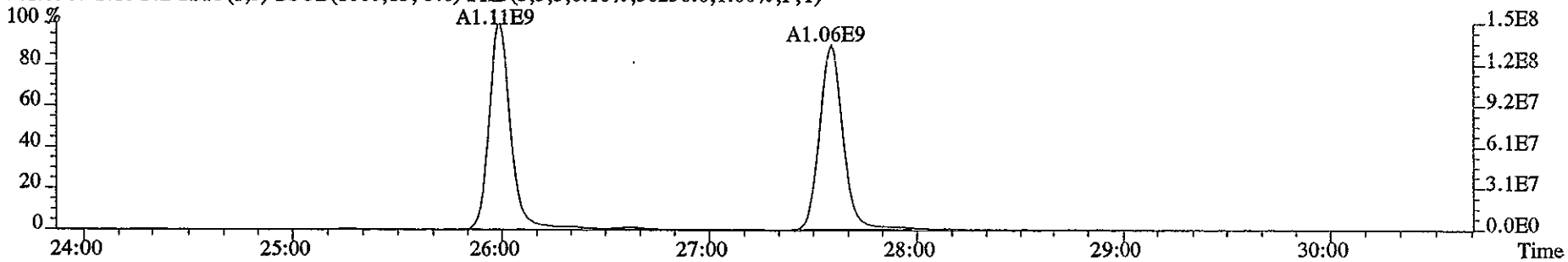
File:11MY10A4D5 #1-543 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A
354.9792 S:10 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



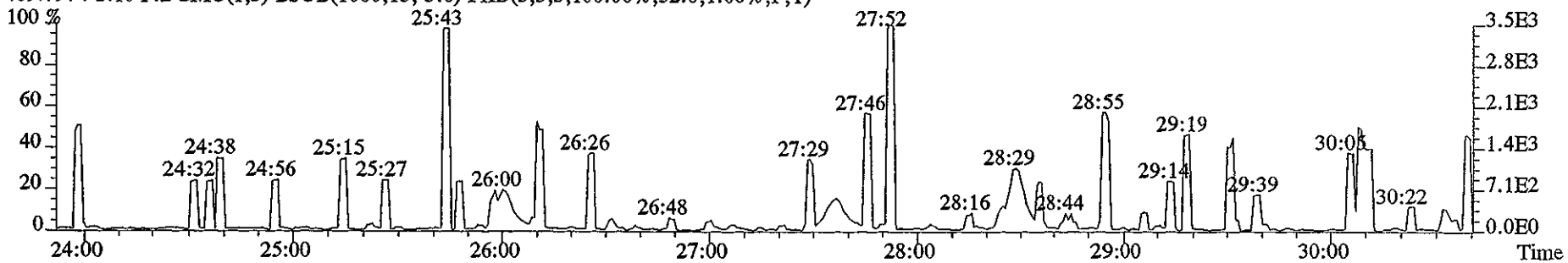
339.8597 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,65368.0,1.00%,F,T)



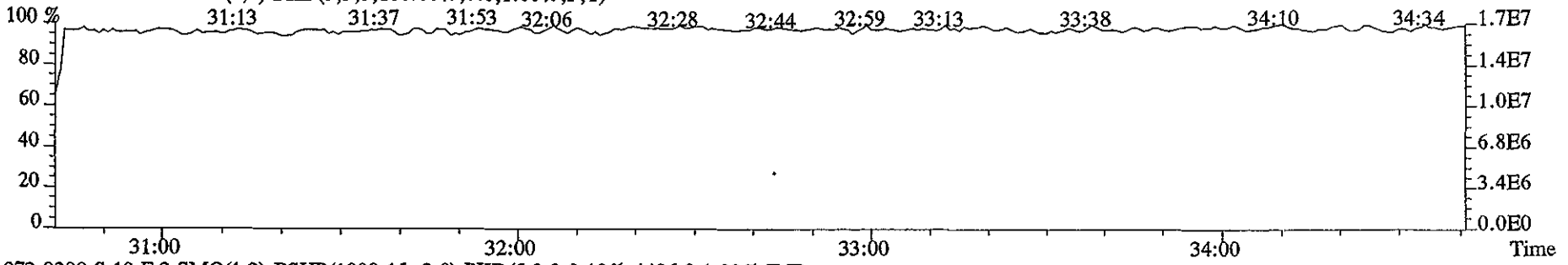
341.8567 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38236.0,1.00%,F,T)

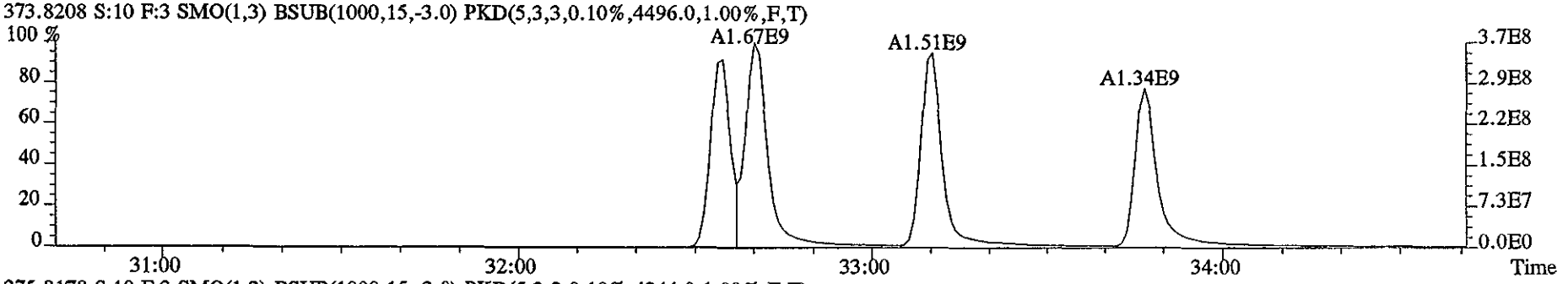


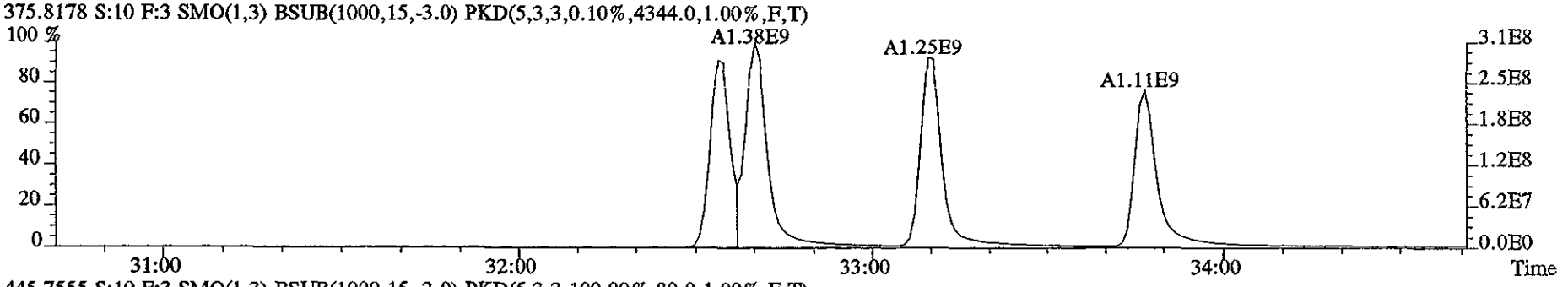
409.7974 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)

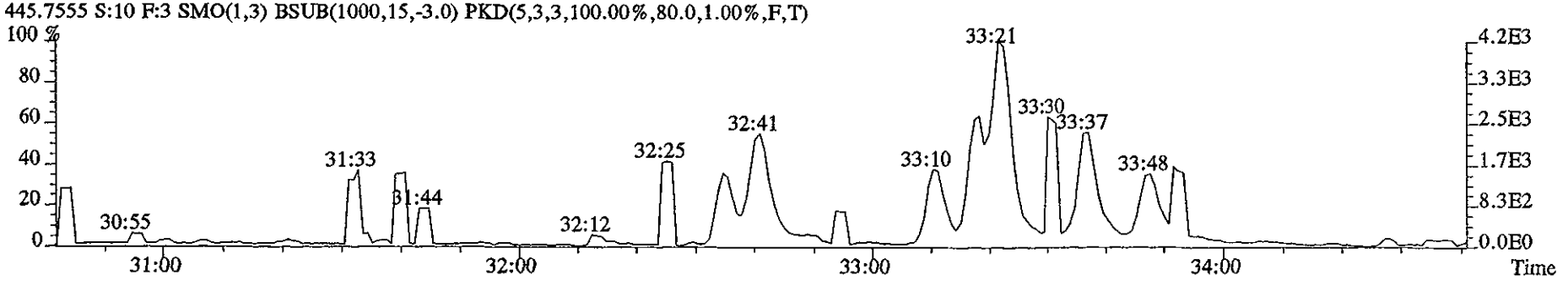


File:11MY10A4D5 #1-302 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

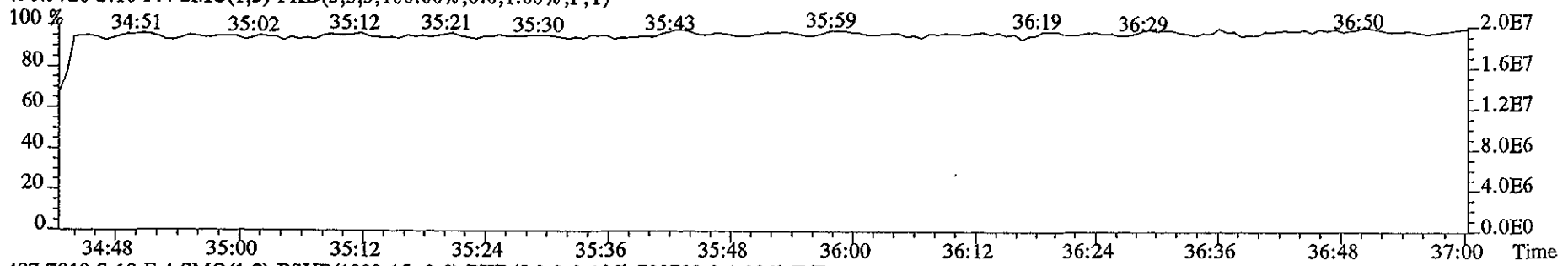


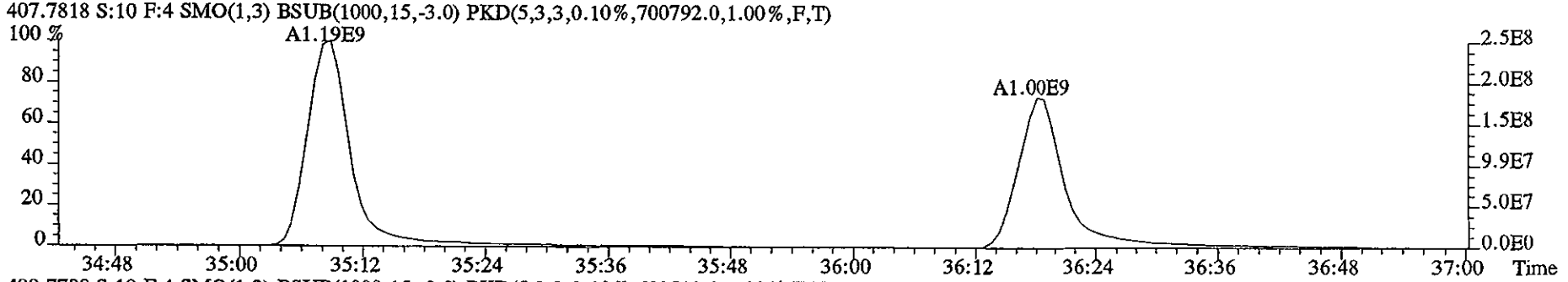


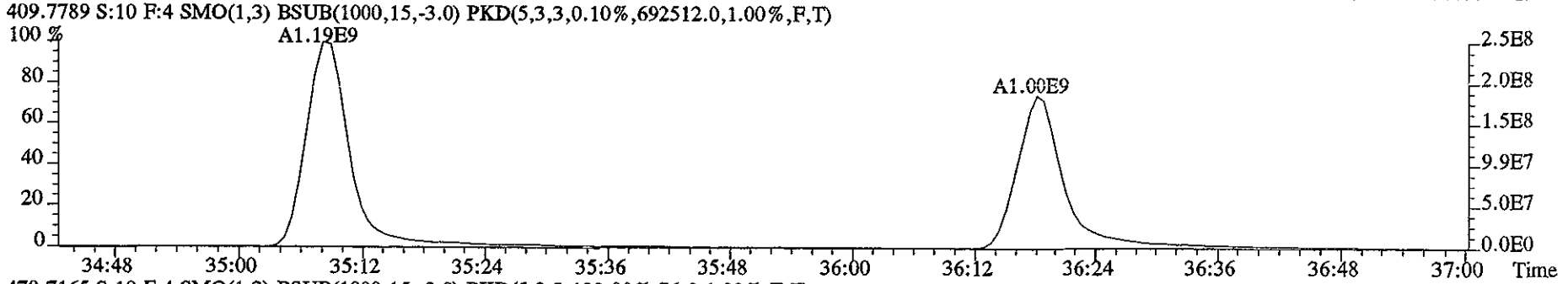


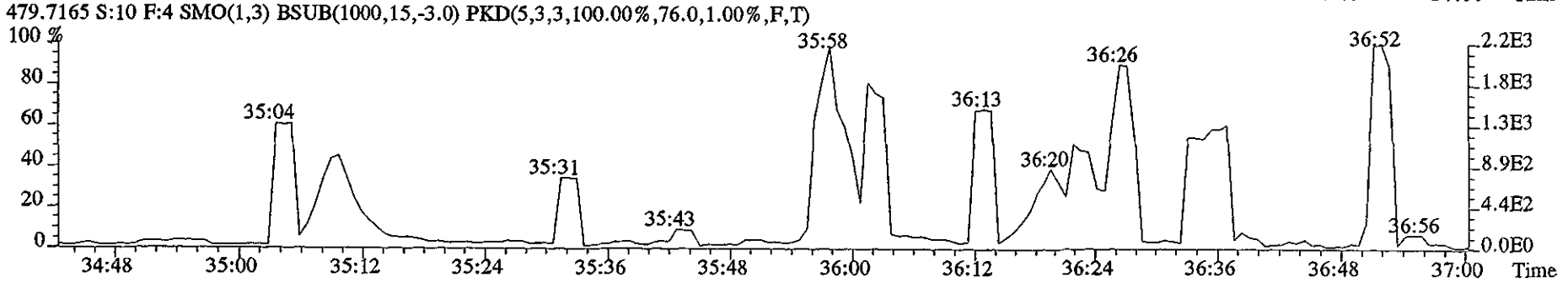


File:11MY10A4D5 #1-184 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A

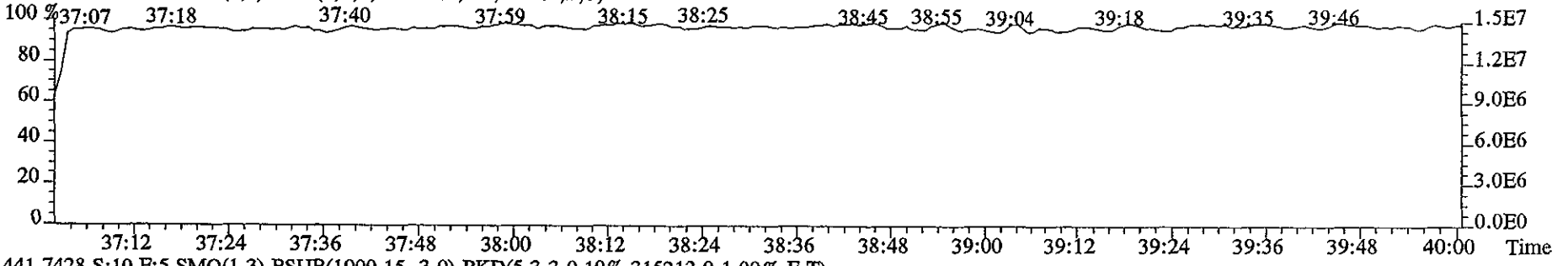


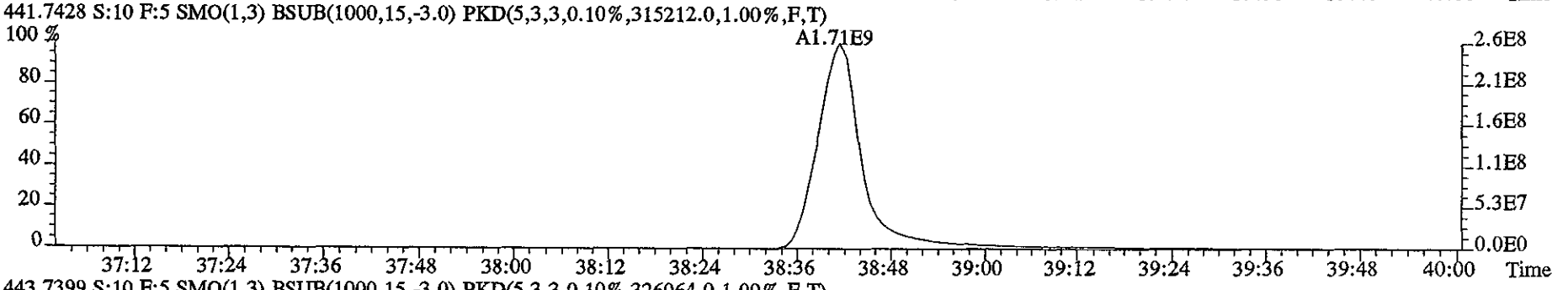


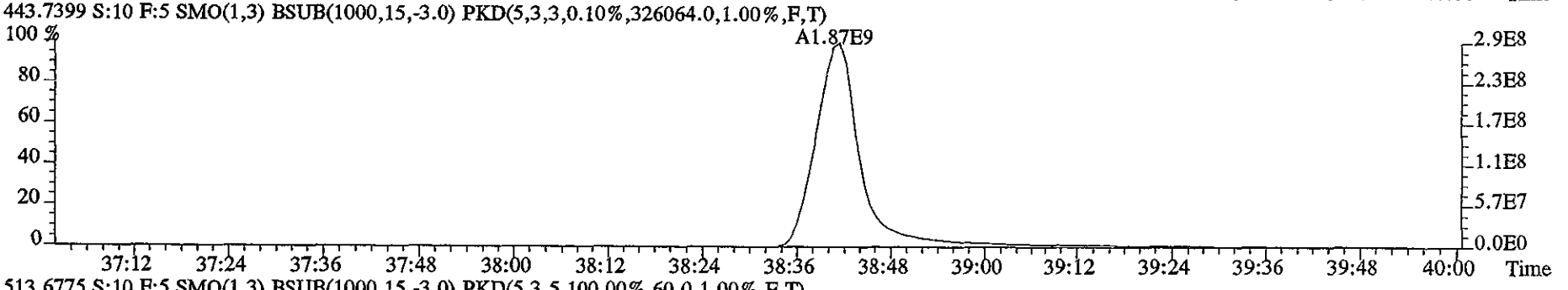


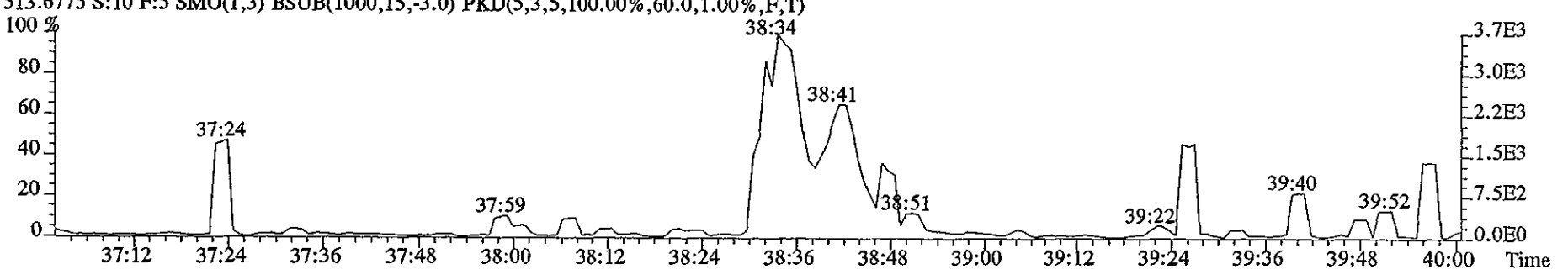


File:11MY10A4D5 #1-229 Acq:11-MAY-2010 19:24:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:ST0511H :CS-5 09DXN456 Exp:DIOXINRES8290A



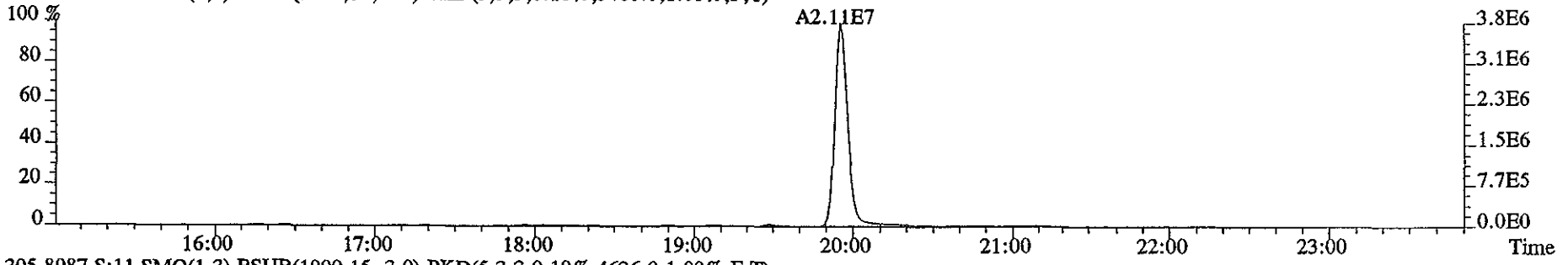




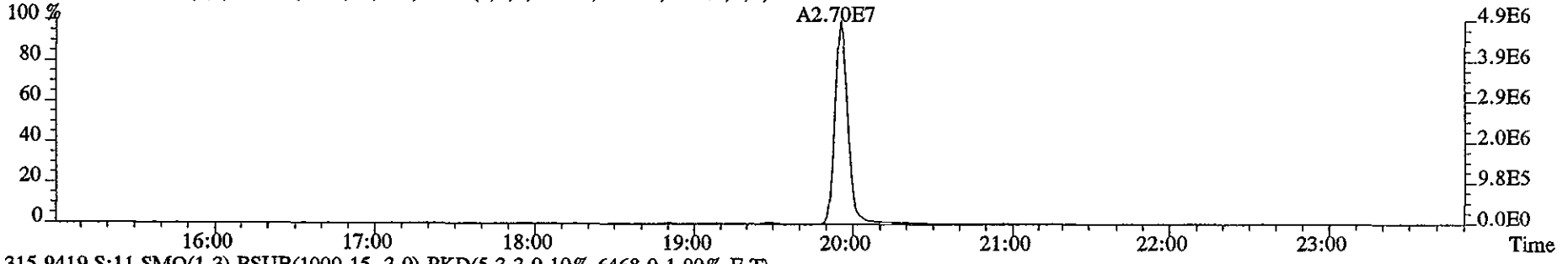


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

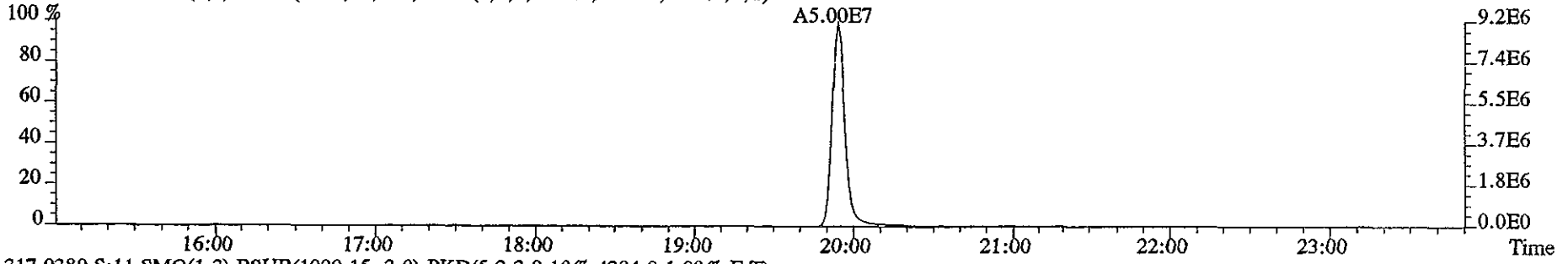
303.9016 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3460.0,1.00%,F,T)



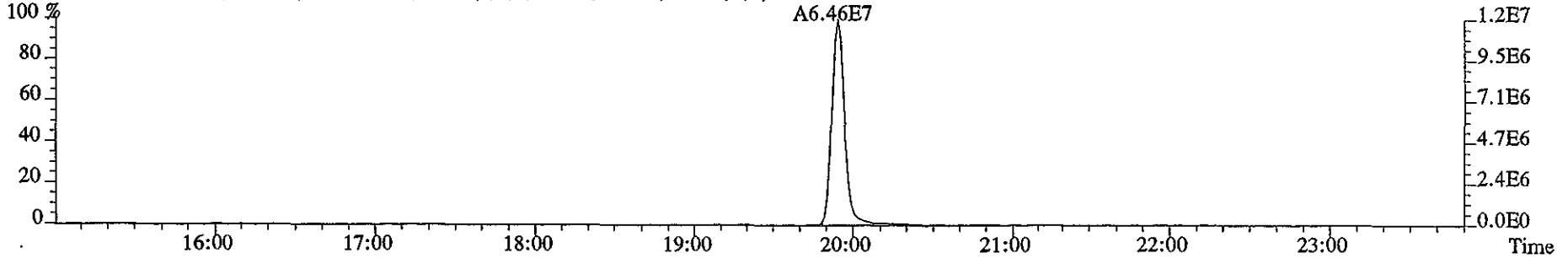
305.8987 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4636.0,1.00%,F,T)



315.9419 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6468.0,1.00%,F,T)

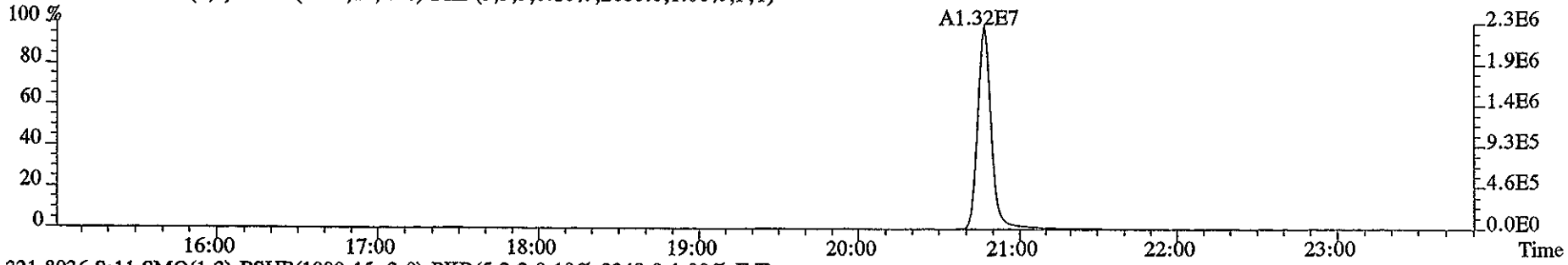


317.9389 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4304.0,1.00%,F,T)

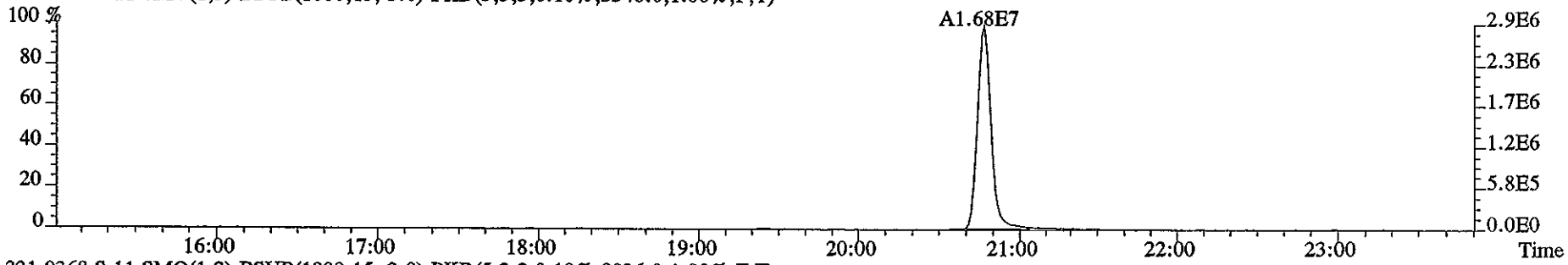


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

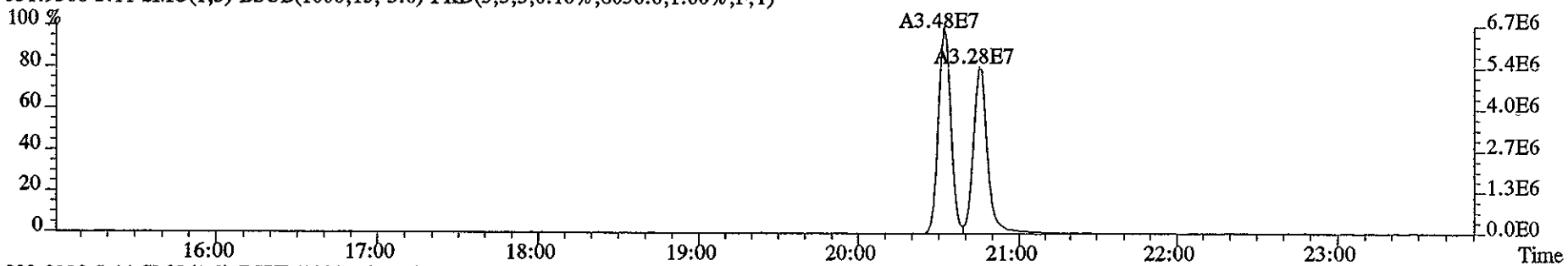
319.8965 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2880.0,1.00%,F,T)



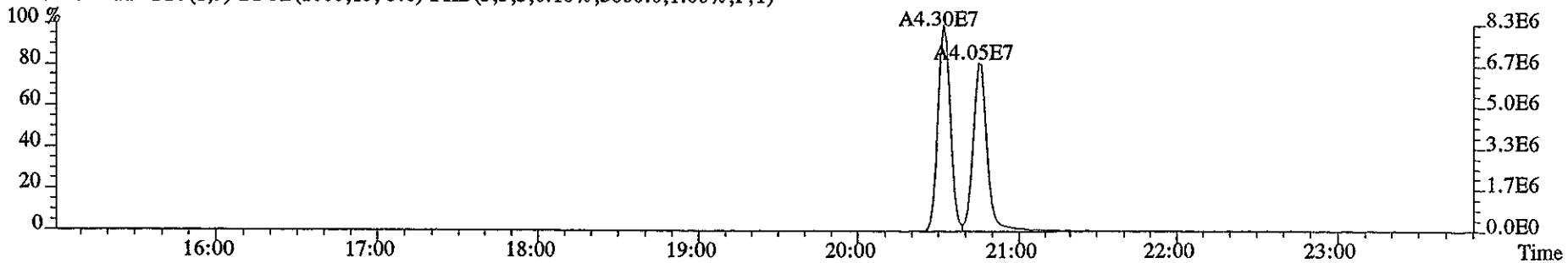
321.8936 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3348.0,1.00%,F,T)



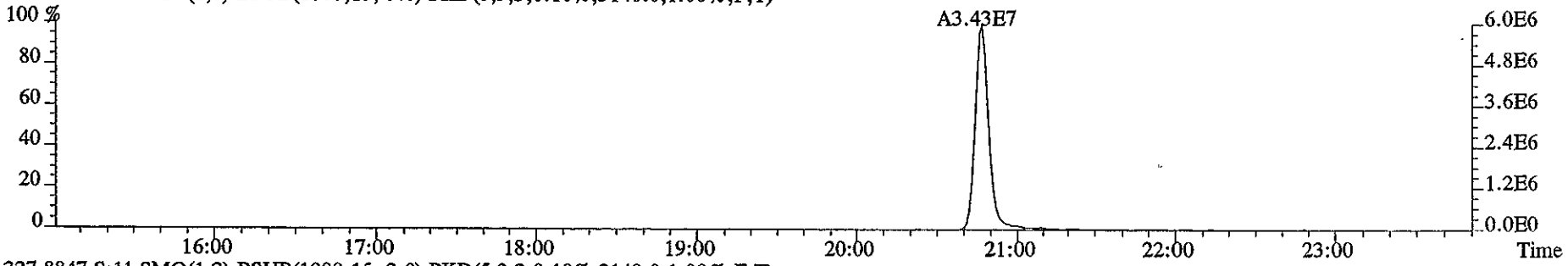
331.9368 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8036.0,1.00%,F,T)



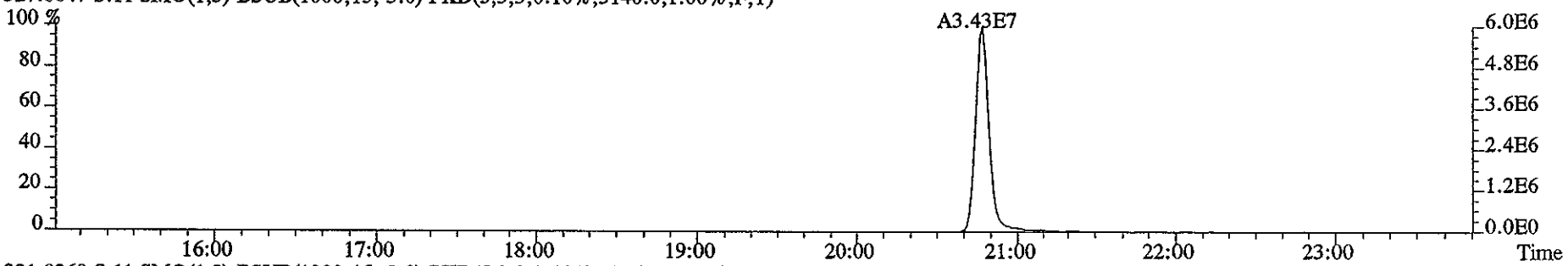
333.9339 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3880.0,1.00%,F,T)



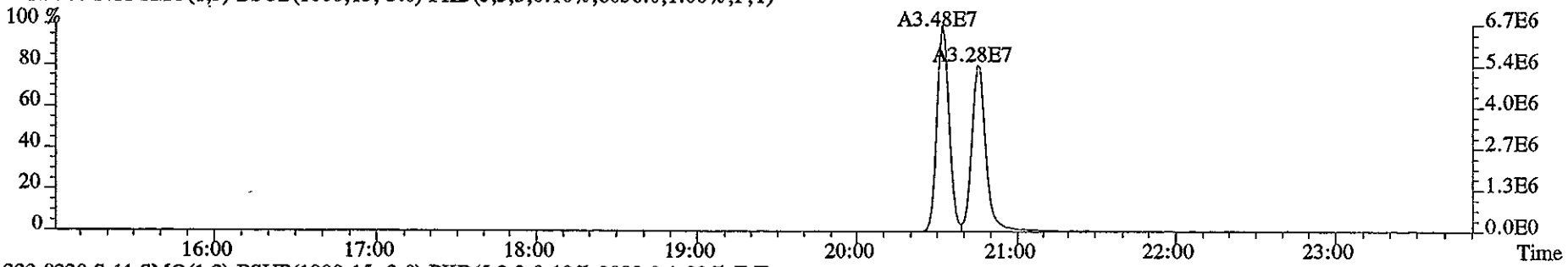
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A
327.8847 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



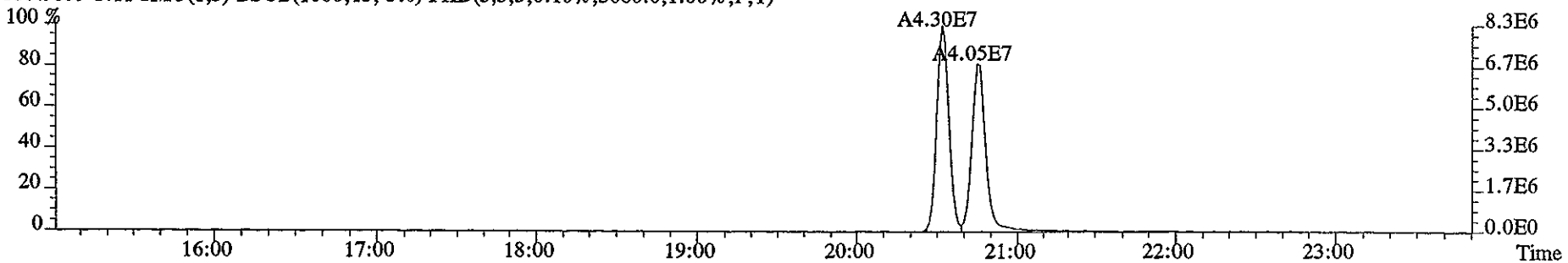
327.8847 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



331.9368 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8036.0,1.00%,F,T)

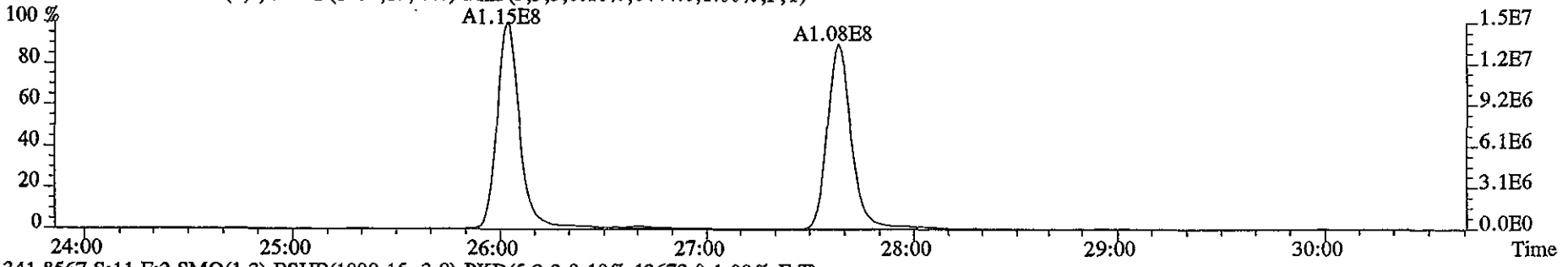


333.9339 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3880.0,1.00%,F,T)

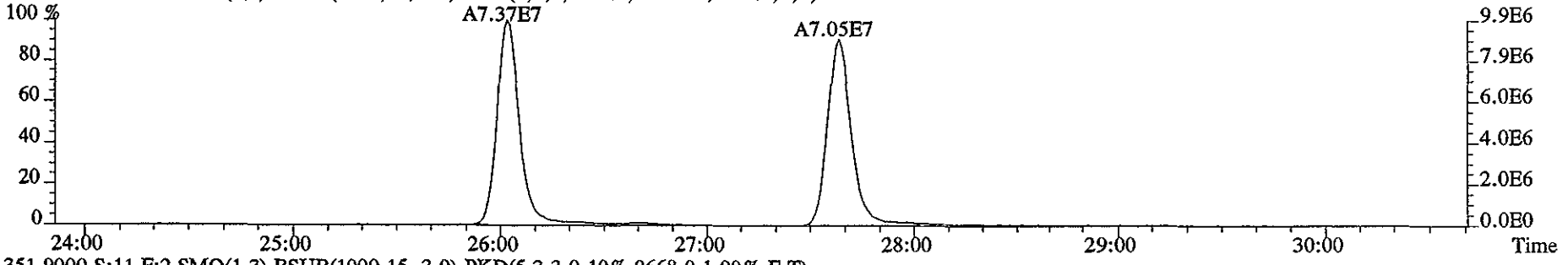


File:11MY10A4D5 #1-544 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

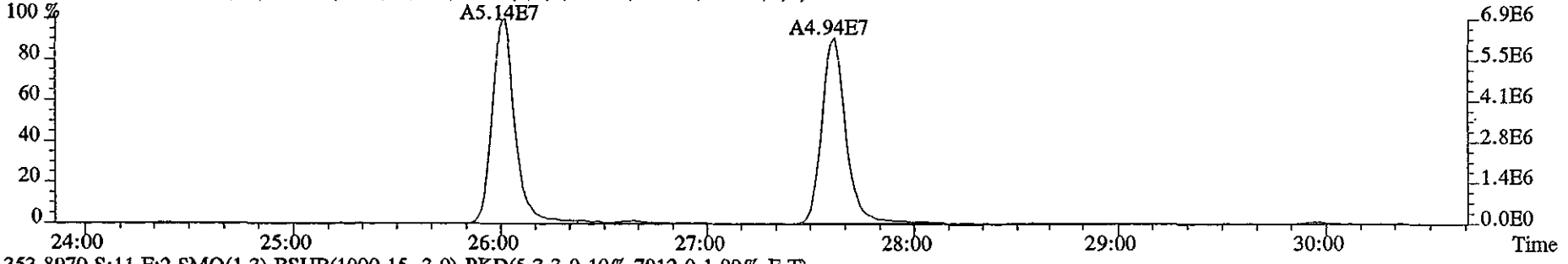
339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6444.0,1.00%,F,T)



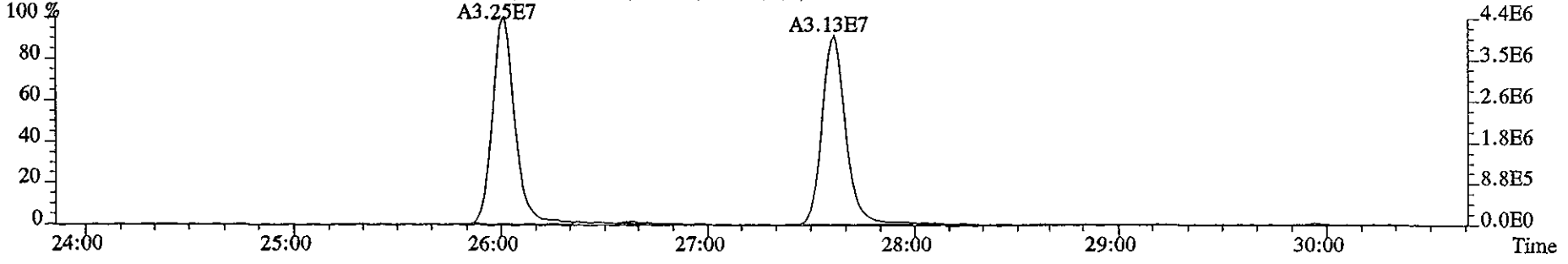
341.8567 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13672.0,1.00%,F,T)



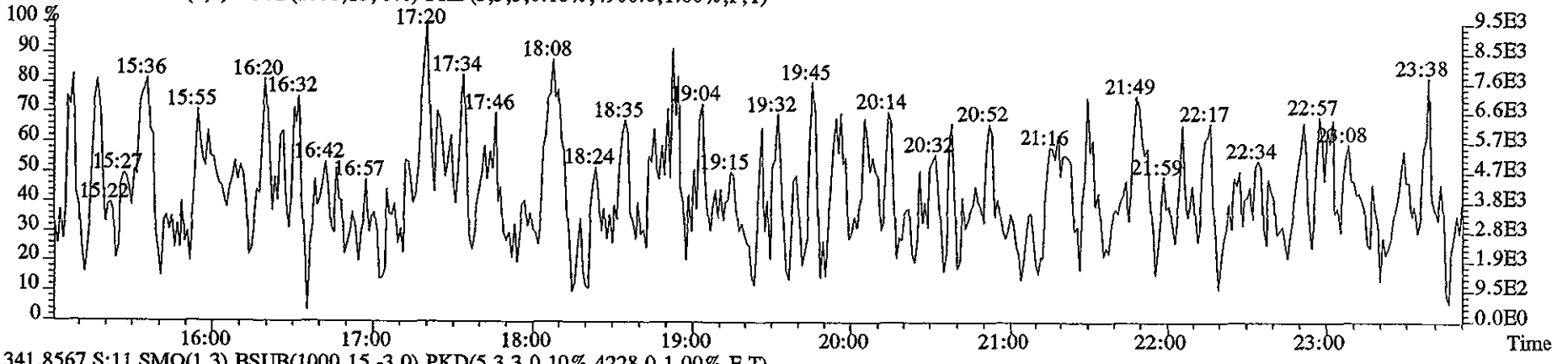
351.9000 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9668.0,1.00%,F,T)



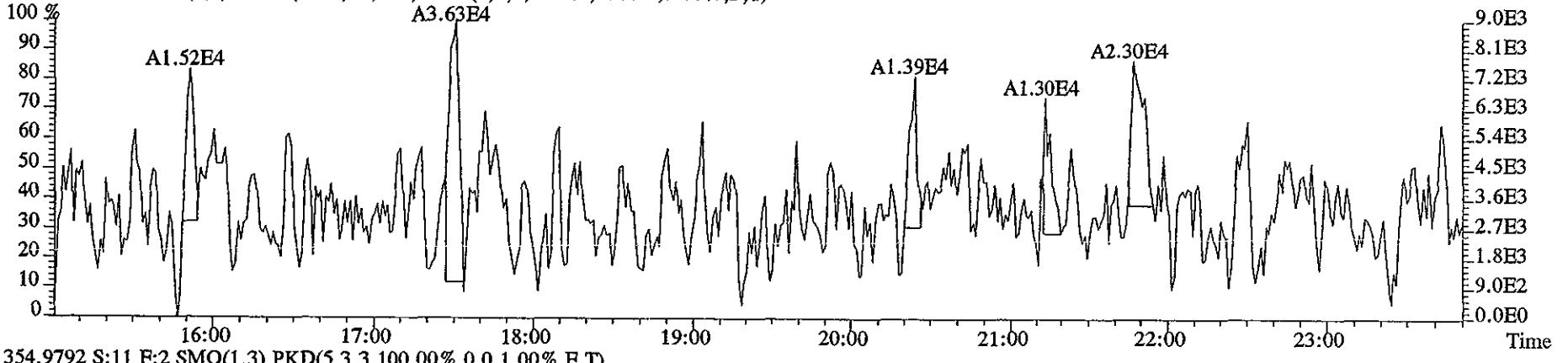
353.8970 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7912.0,1.00%,F,T)



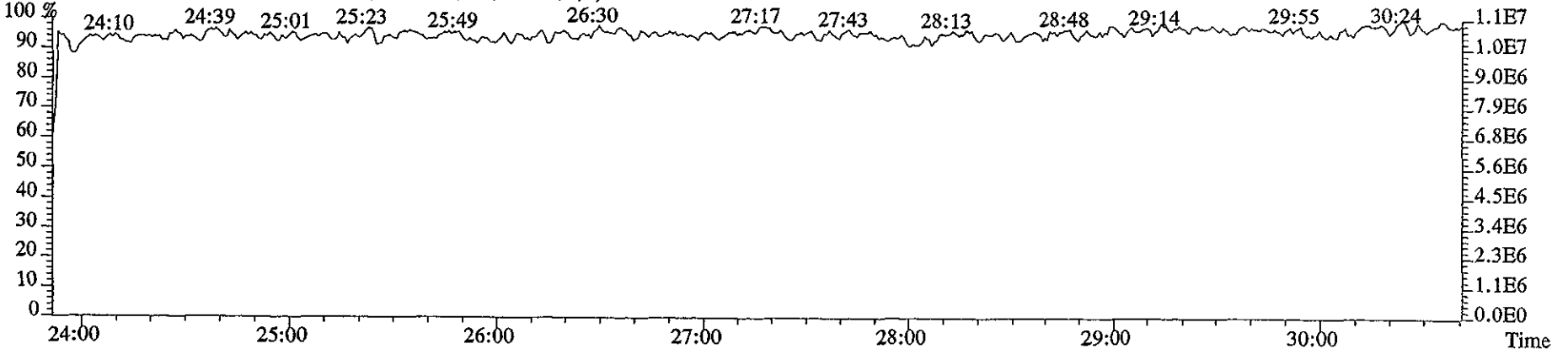
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A
339.8597 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4908.0,1.00%,F,T)



341.8567 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4228.0,1.00%,F,T)

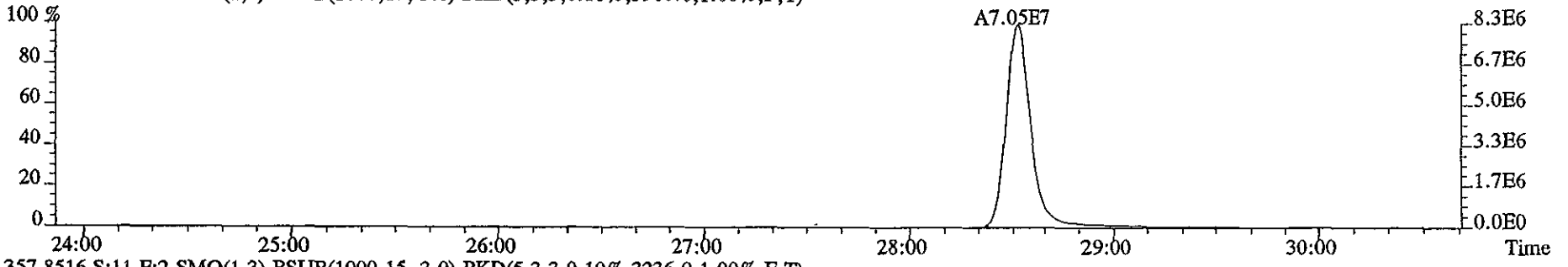


354.9792 S:11 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

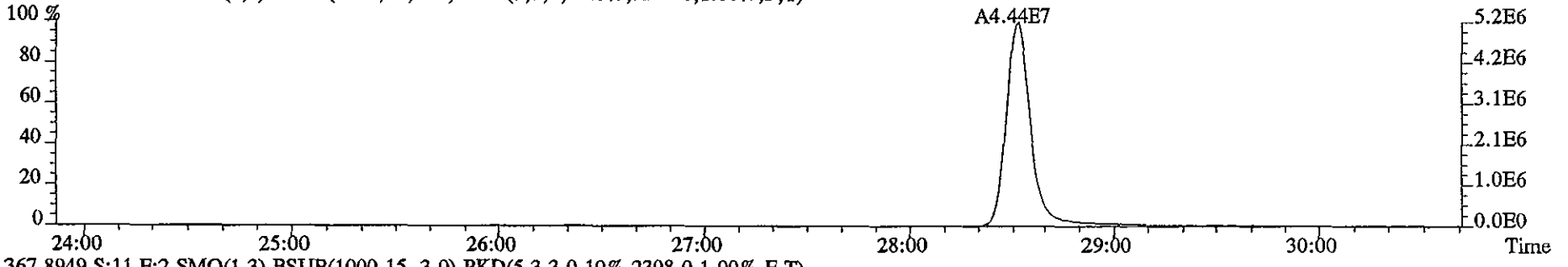


File:11MY10A4D5 #1-544 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

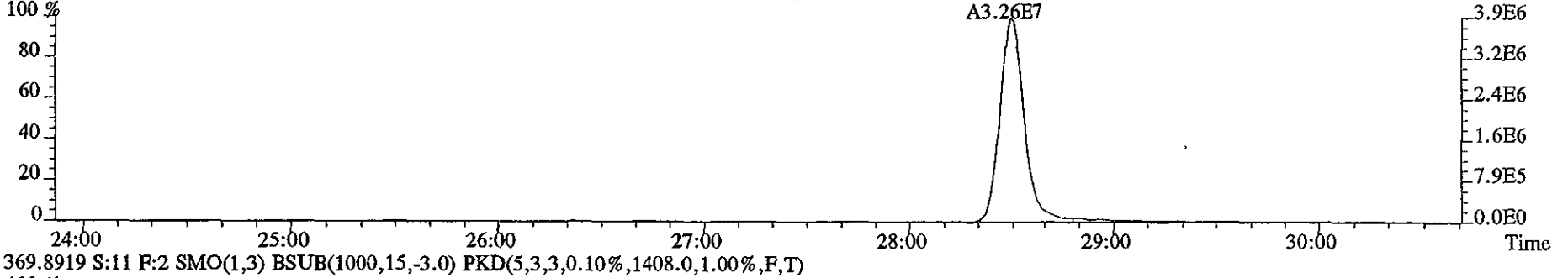
355.8546 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3960.0,1.00%,F,T)



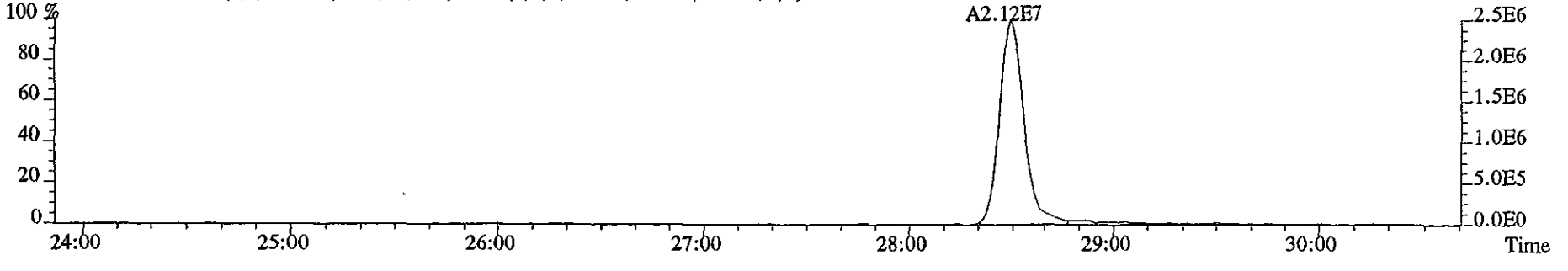
357.8516 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3236.0,1.00%,F,T)



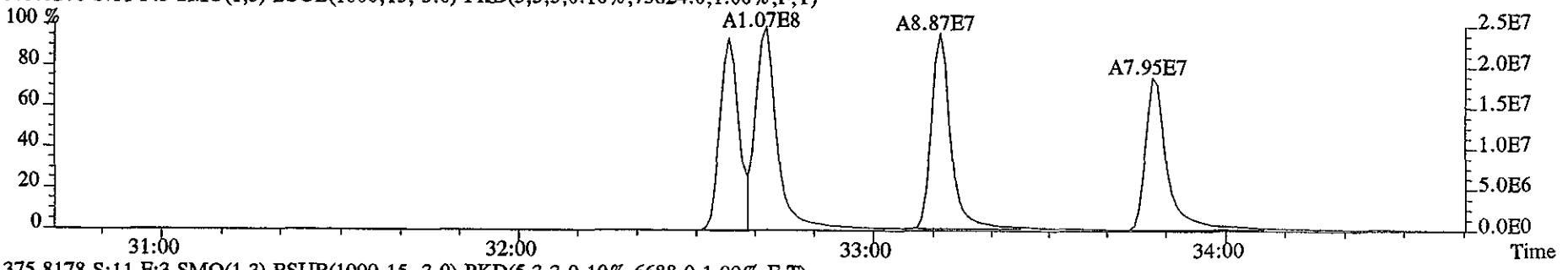
367.8949 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2308.0,1.00%,F,T)

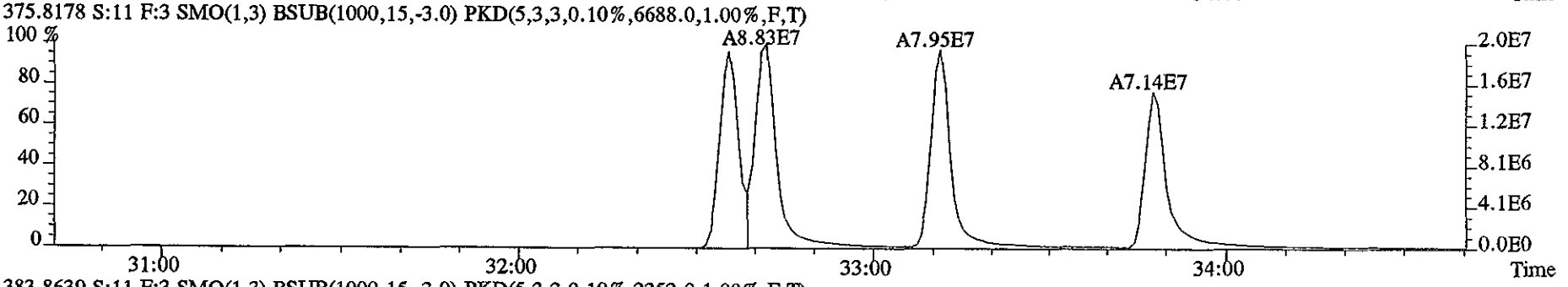


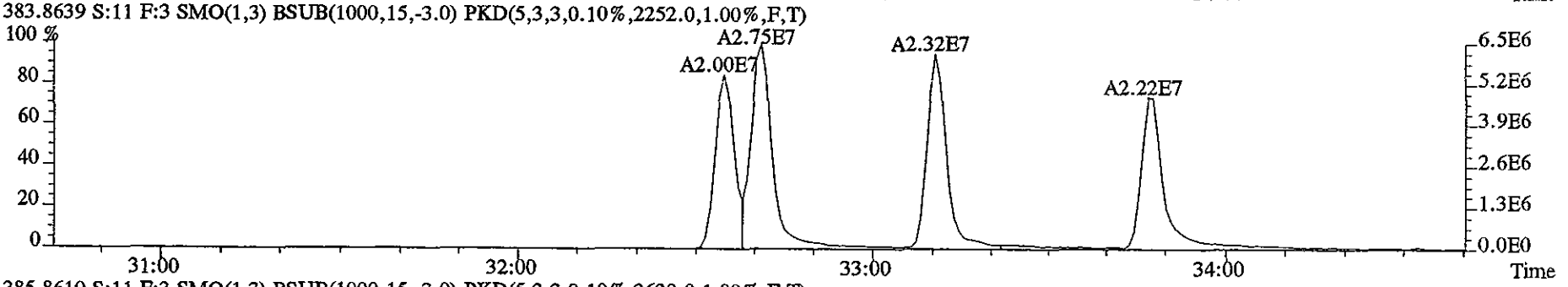
369.8919 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)

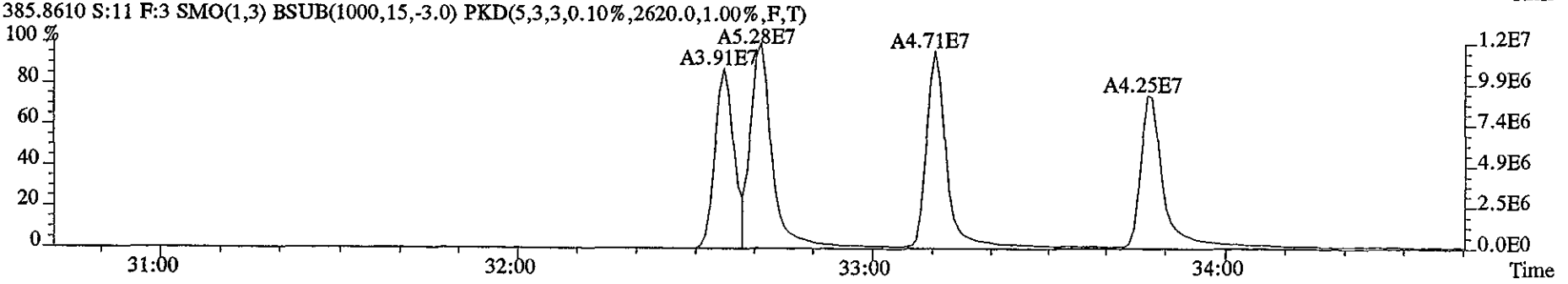


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

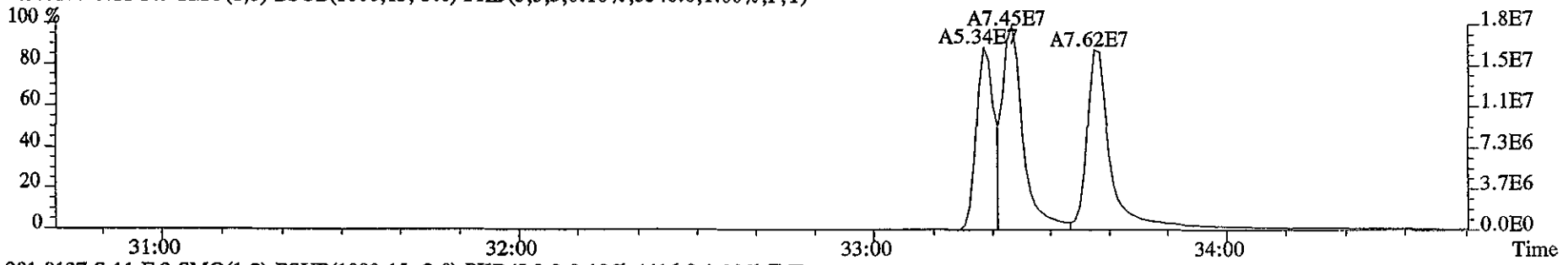


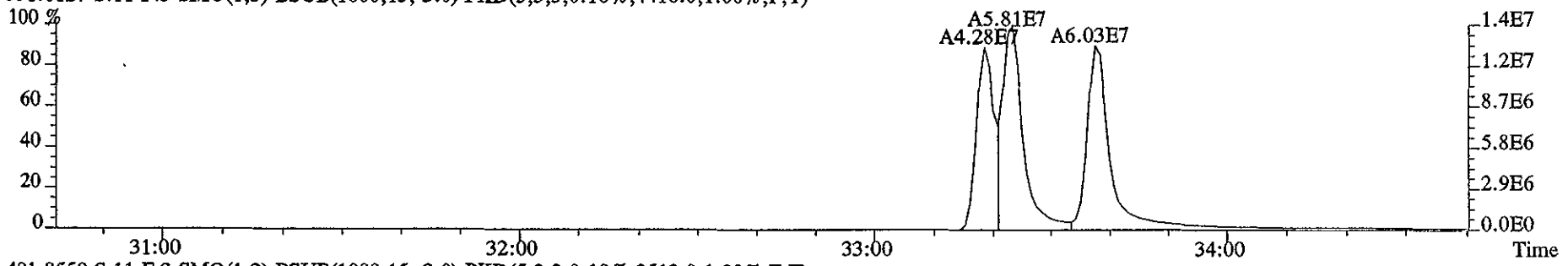


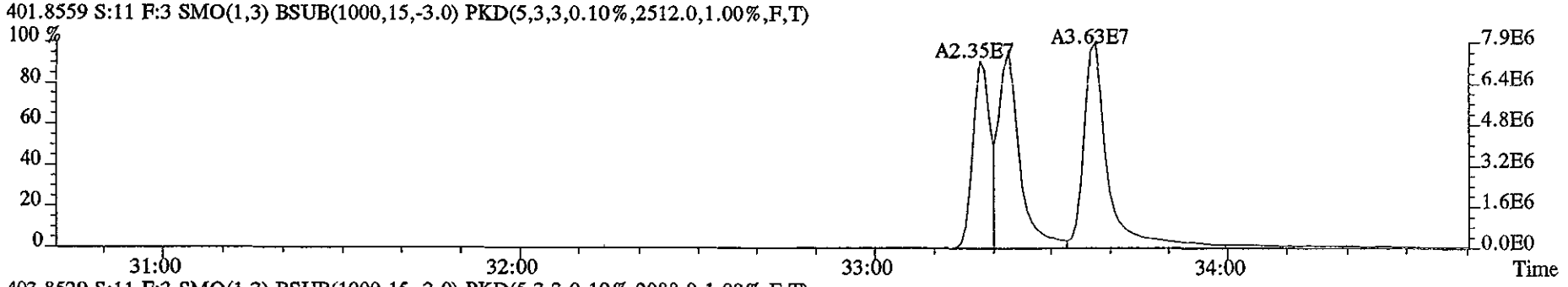


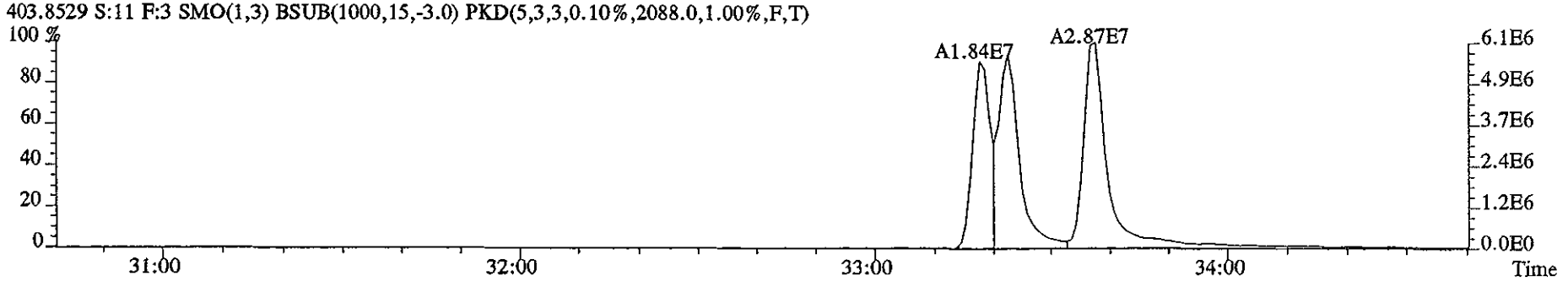


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

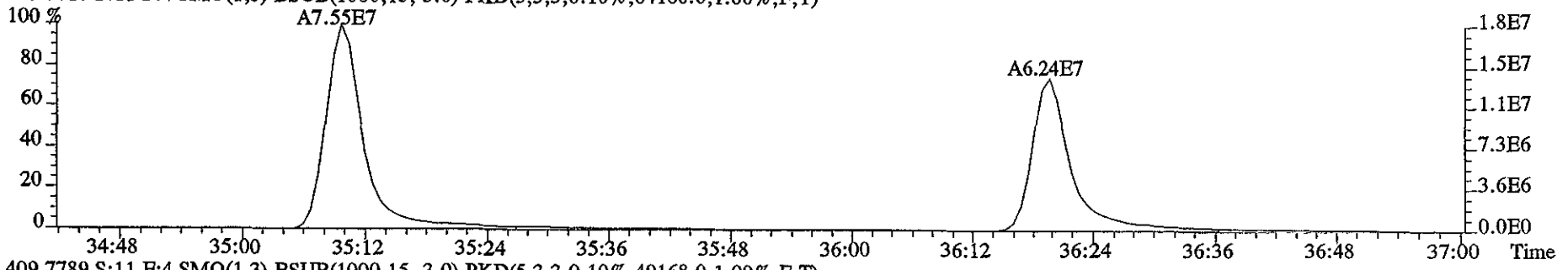


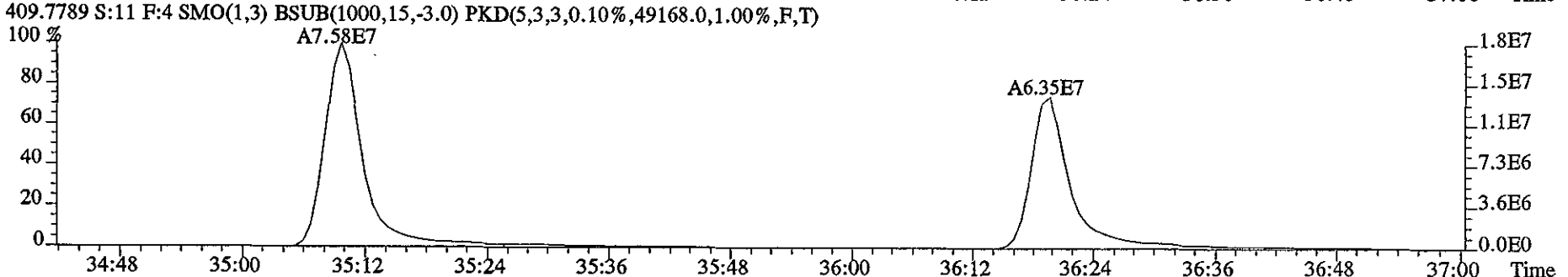


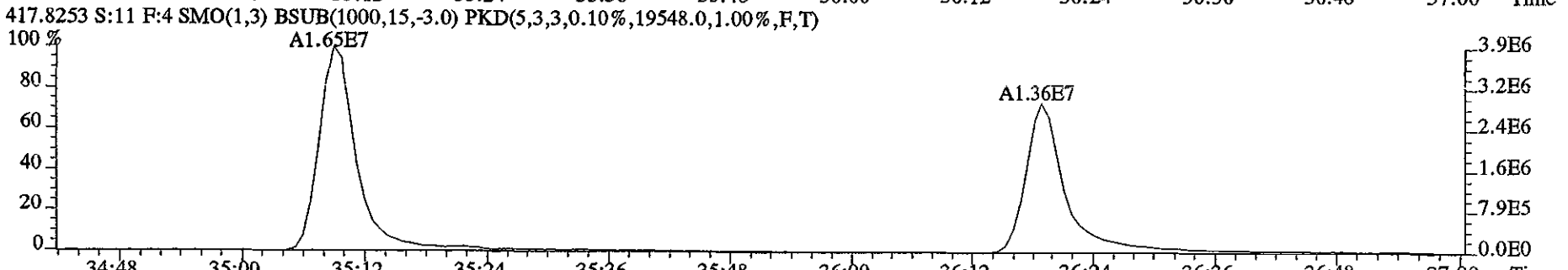


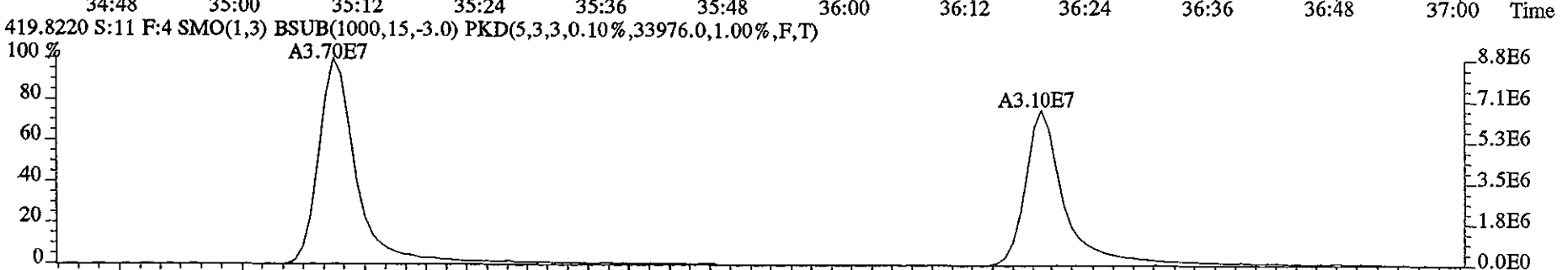


File:11MY10A4D5 #1-185 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

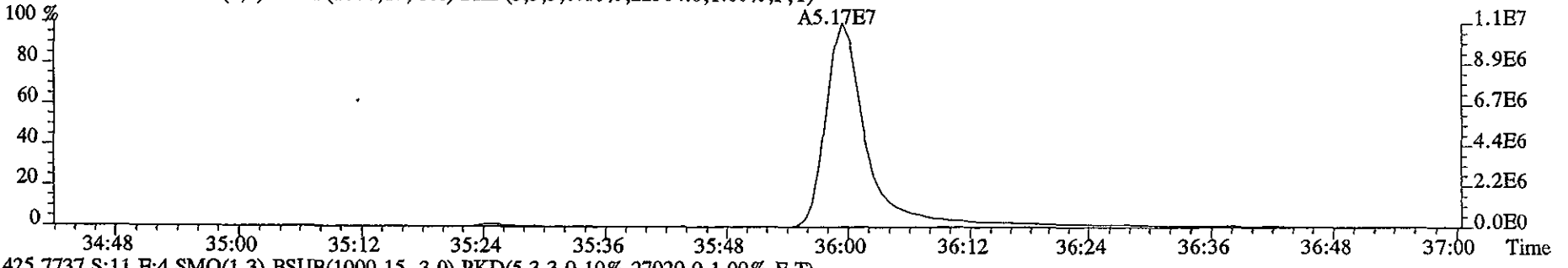


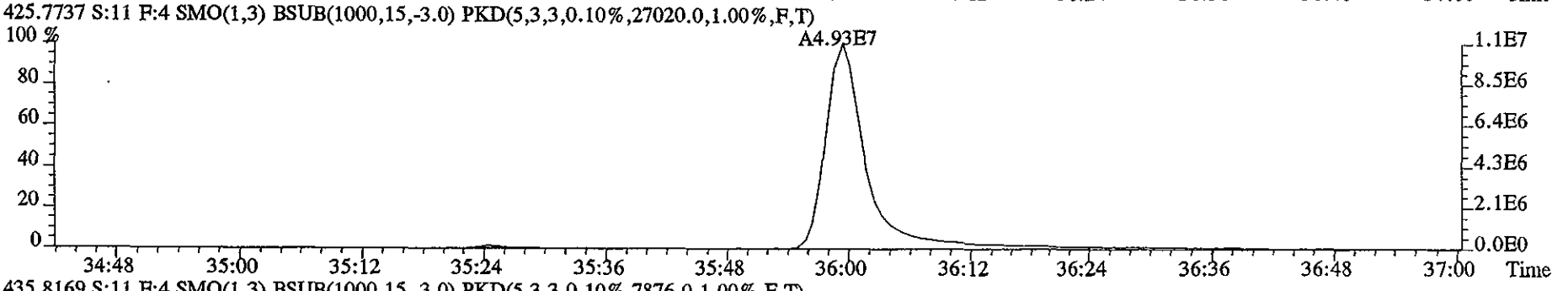


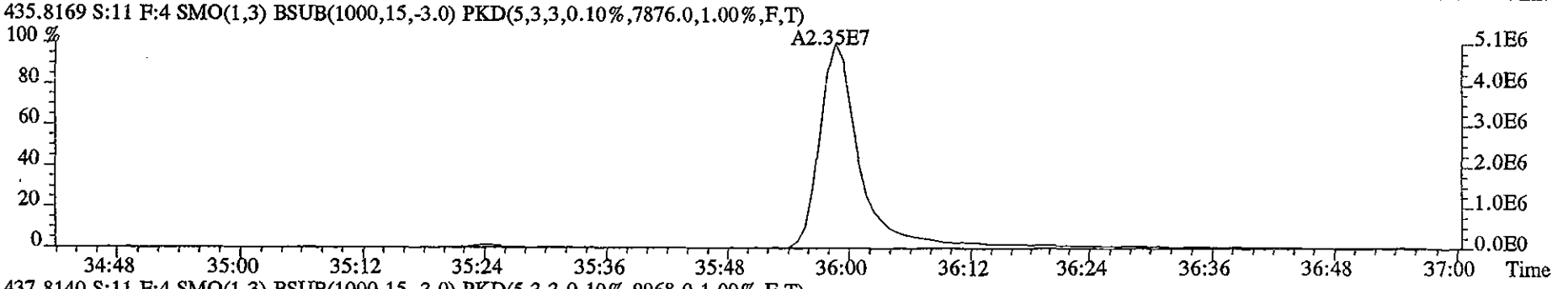


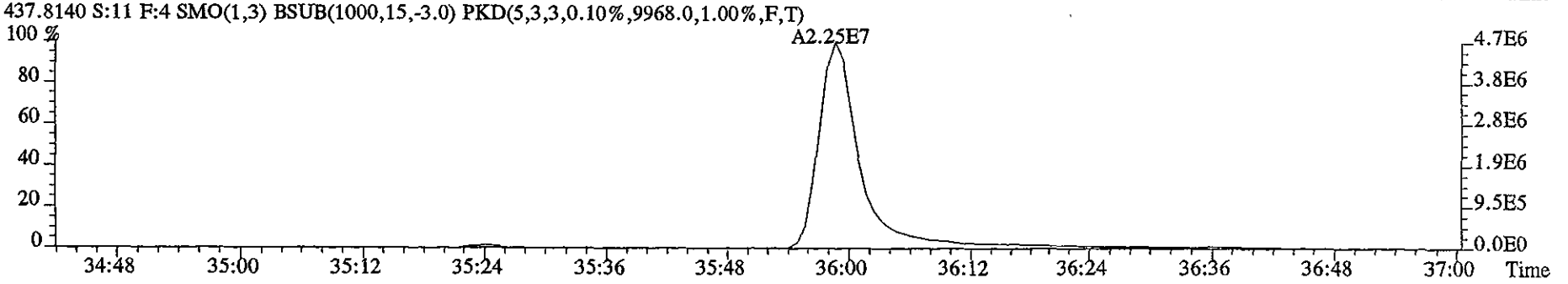


File:11MY10A4D5 #1-185 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

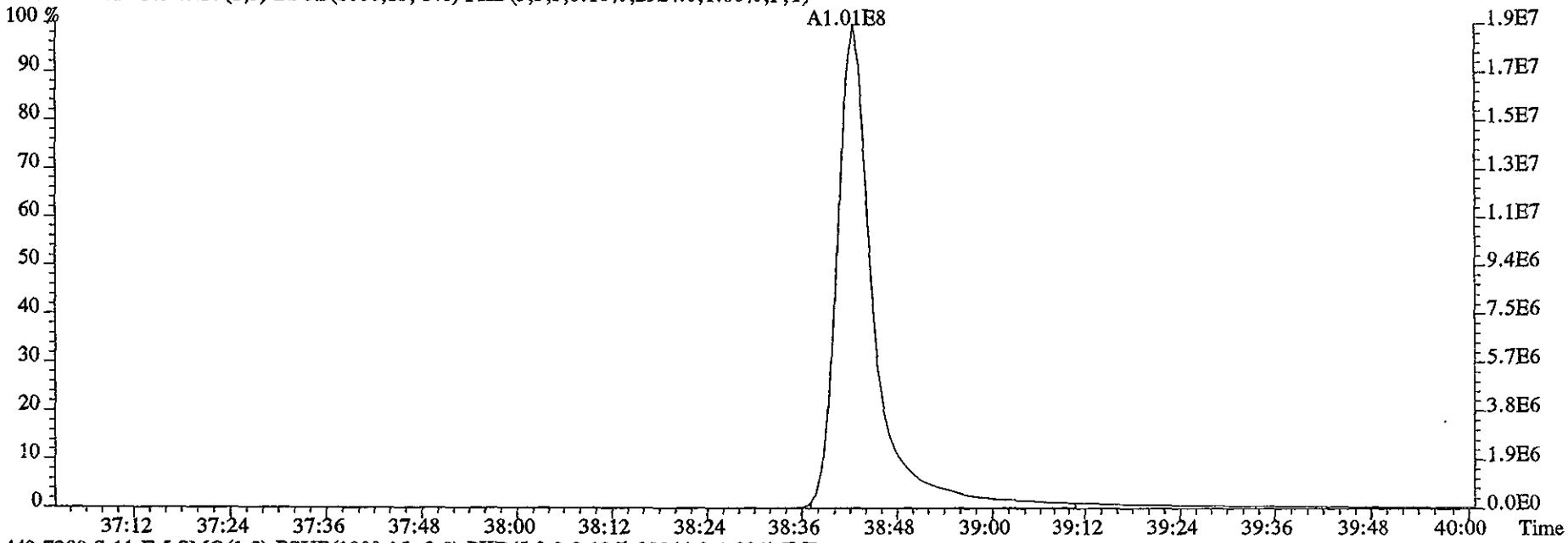




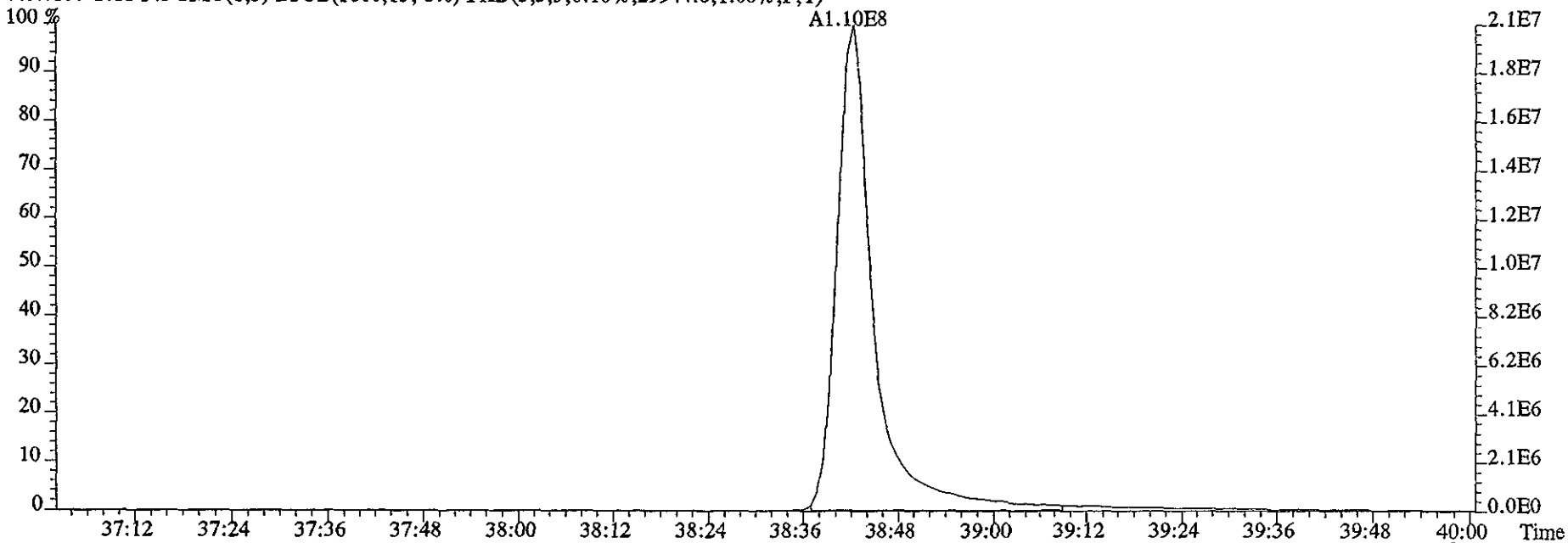




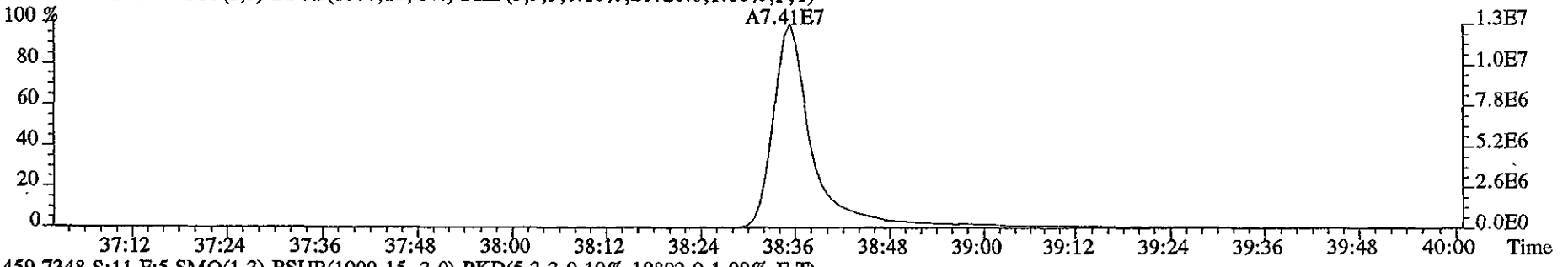
File:11MY10A4D5 #1-229 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A
441.7428 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2924.0,1.00%,F,T)



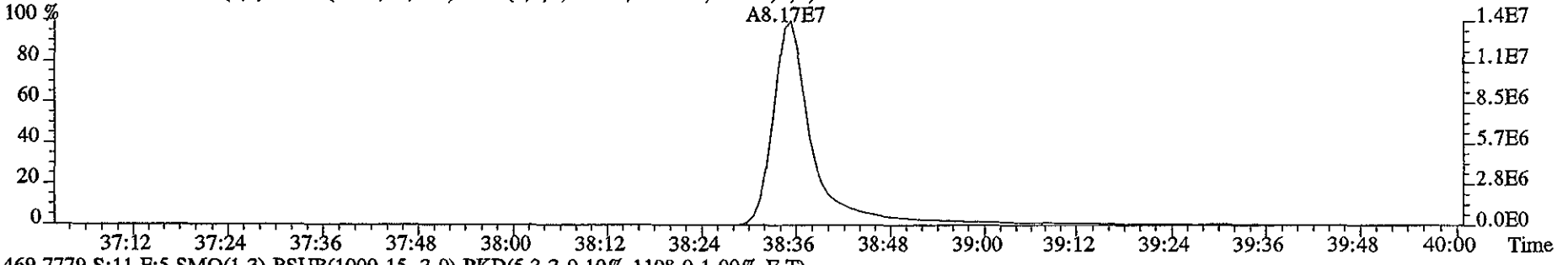
443.7399 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29944.0,1.00%,F,T)



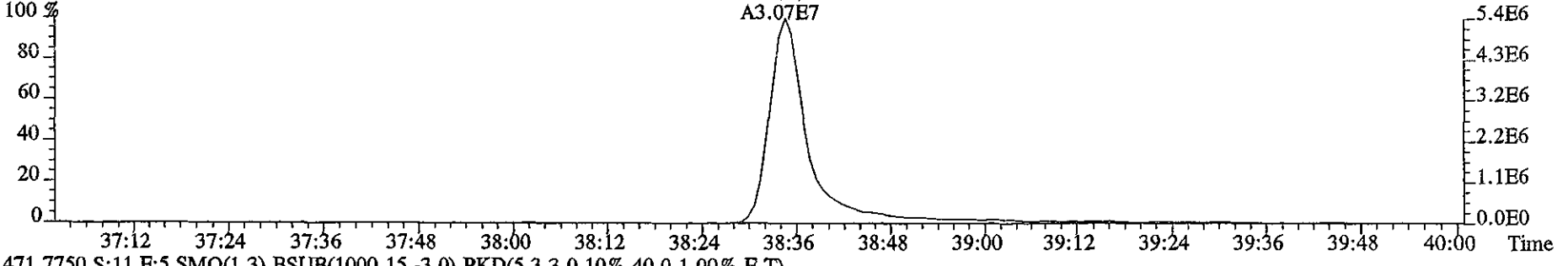
File:11MY10A4D5 #1-229 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A
457.7377 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21728.0,1.00%,F,T)



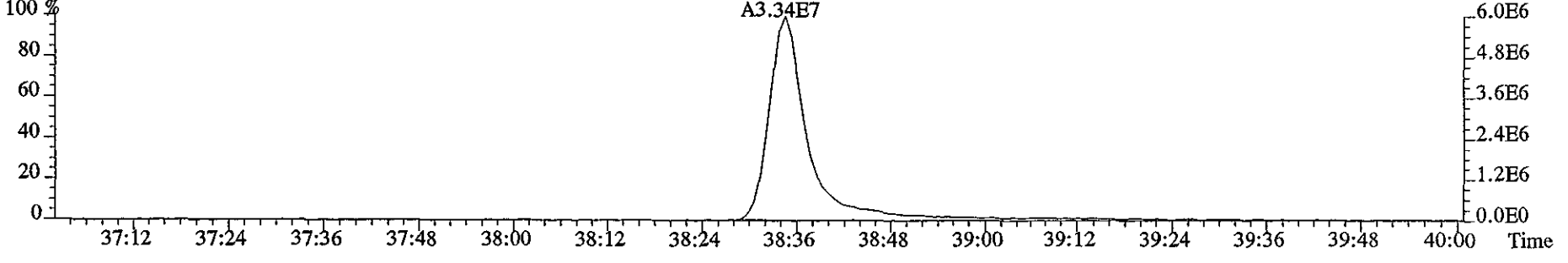
459.7348 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19892.0,1.00%,F,T)



469.7779 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1108.0,1.00%,F,T)

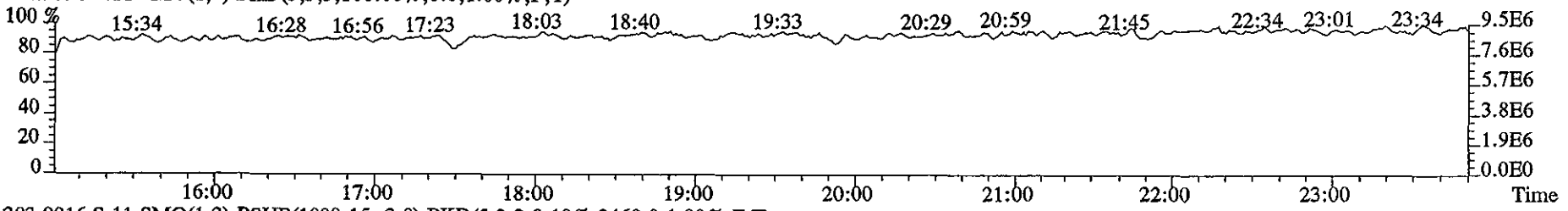


471.7750 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40.0,1.00%,F,T)

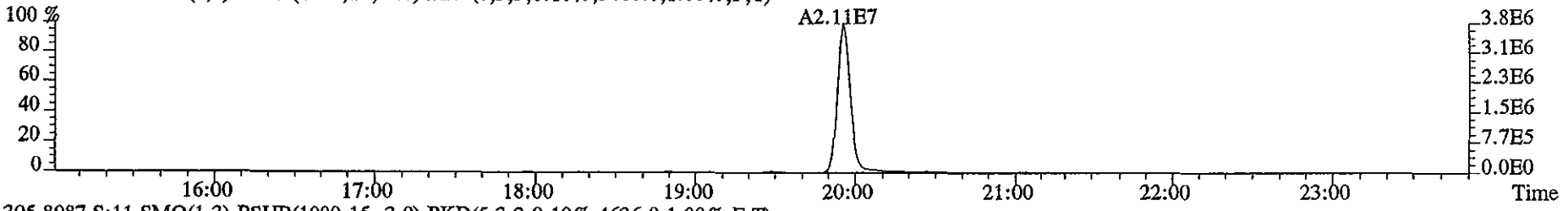


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

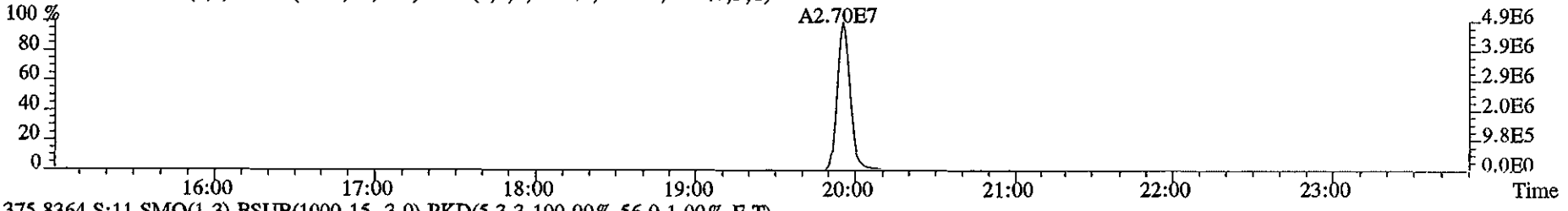
354.9792 S:11 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



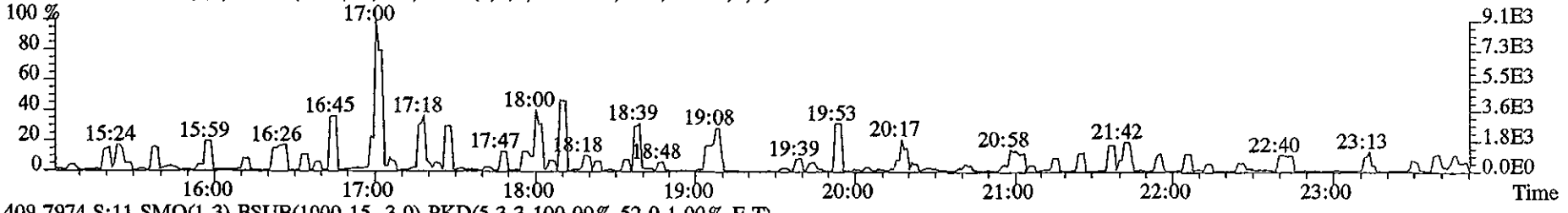
303.9016 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3460.0,1.00%,F,T)



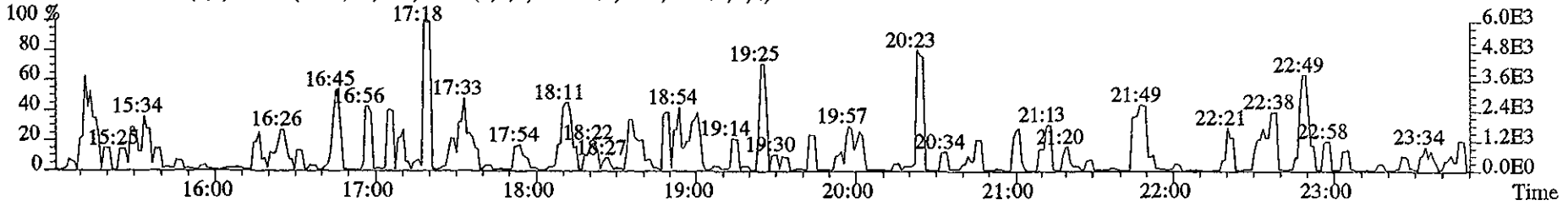
305.8987 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4636.0,1.00%,F,T)



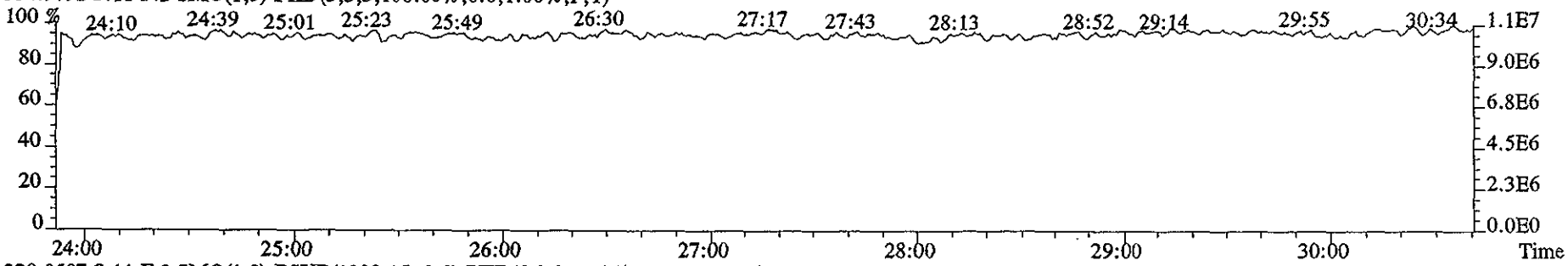
375.8364 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



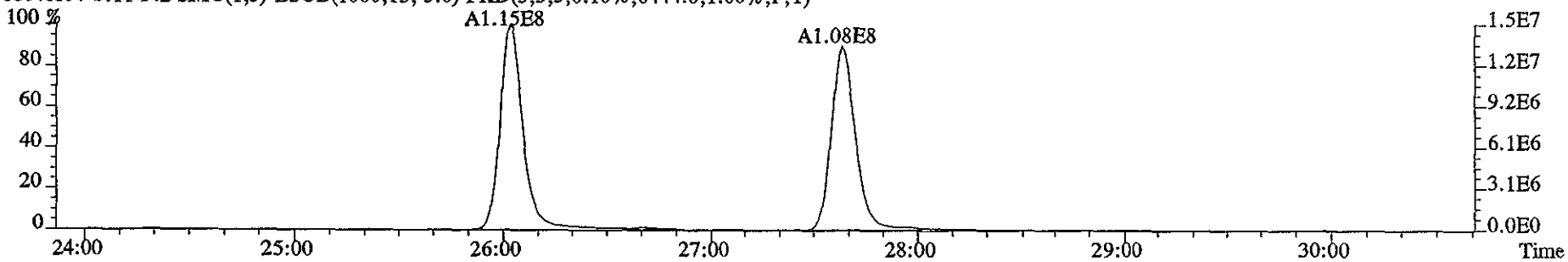
409.7974 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)



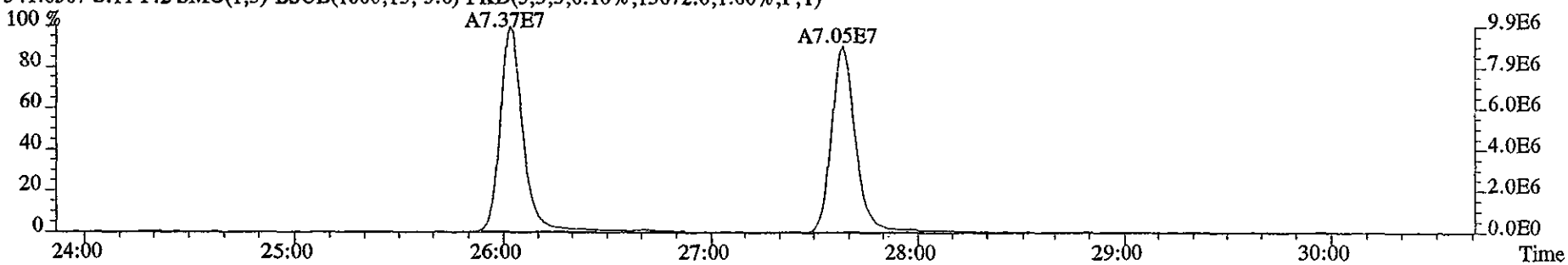
File:11MY10A4D5 #1-544 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A
354.9792 S:11 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



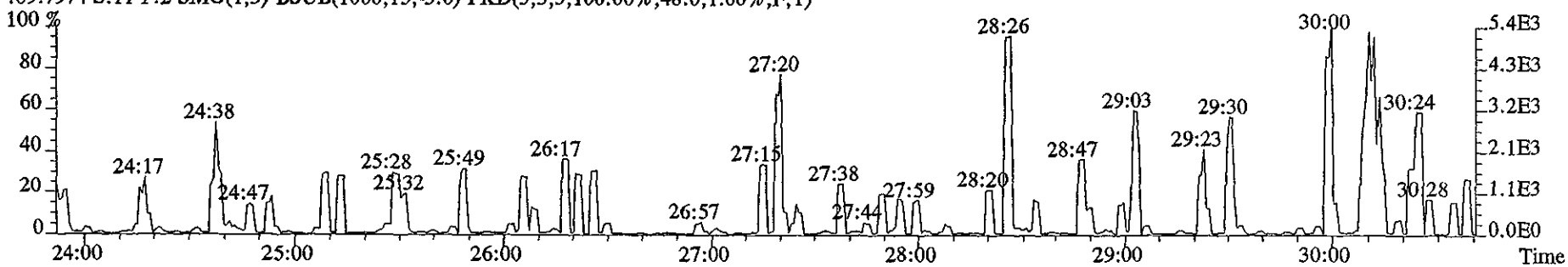
339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6444.0,1.00%,F,T)



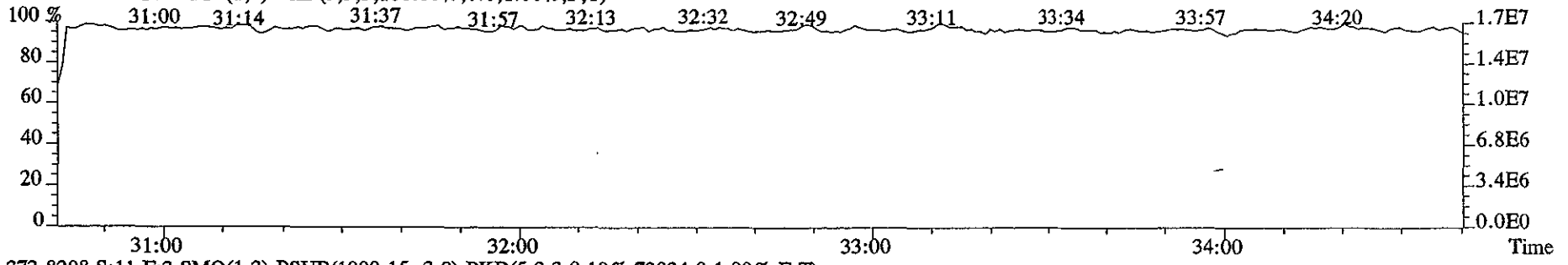
341.8567 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13672.0,1.00%,F,T)



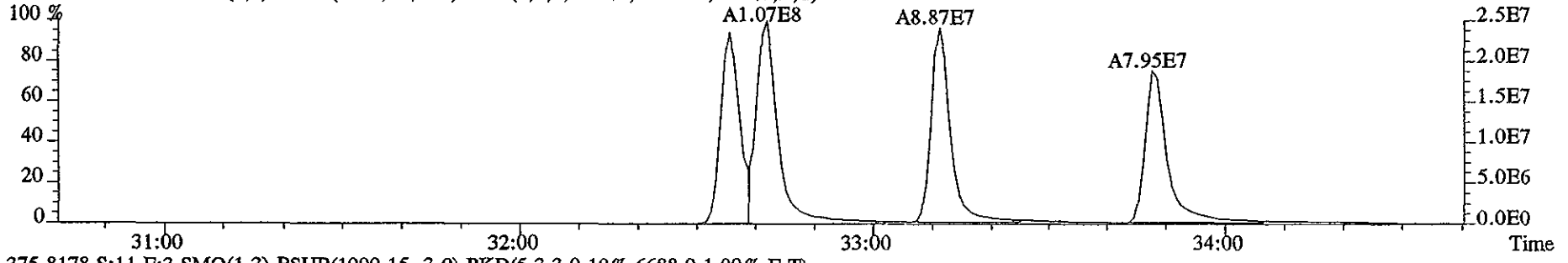
409.7974 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,48.0,1.00%,F,T)



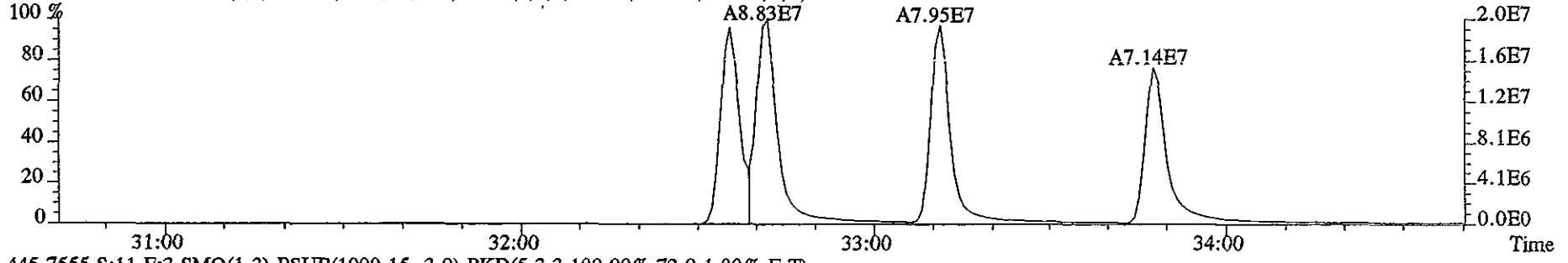
File:11MY10A4D5 #1-301 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A
430.9728 S:11 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



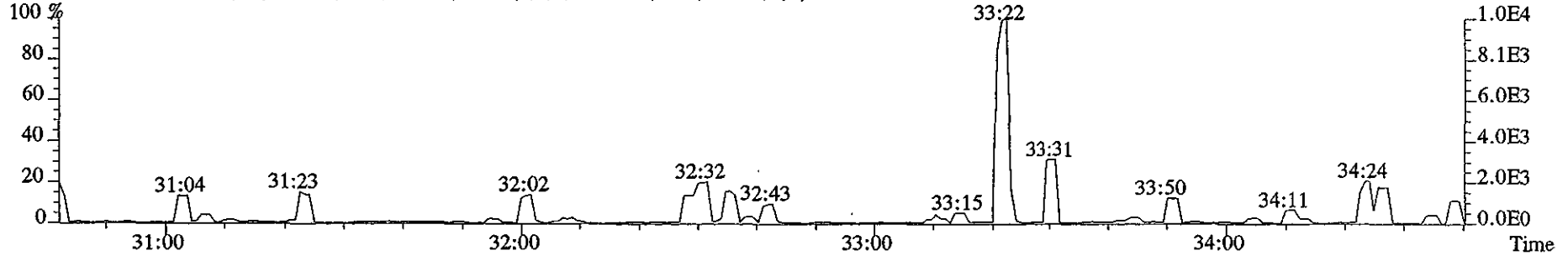
373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,73824.0,1.00%,F,T)



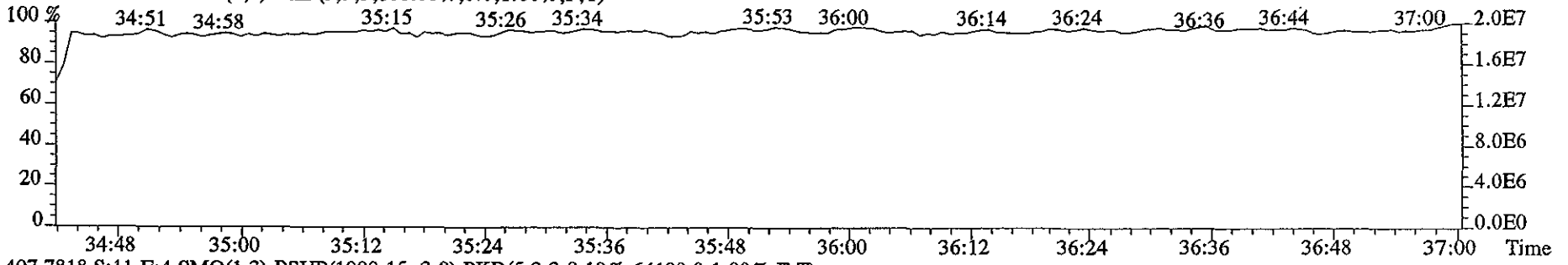
375.8178 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6688.0,1.00%,F,T)



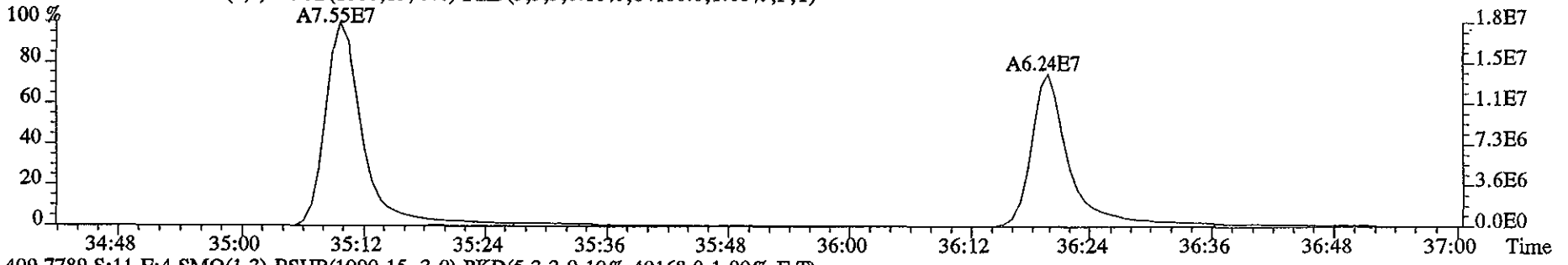
445.7555 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)



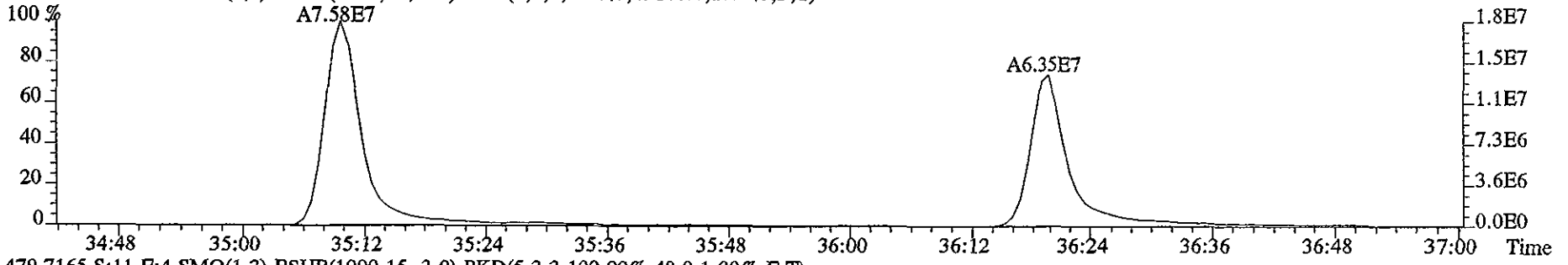
File:11MY10A4D5 #1-185 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A
430.9728 S:11 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



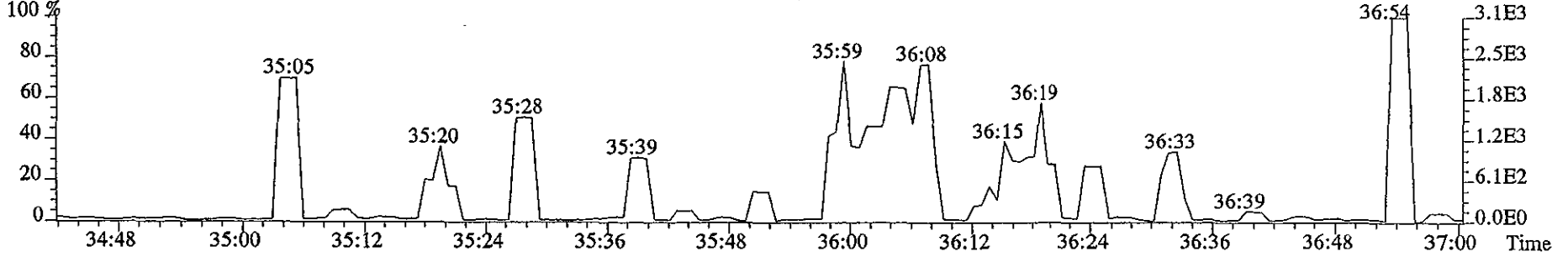
407.7818 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64180.0,1.00%,F,T)



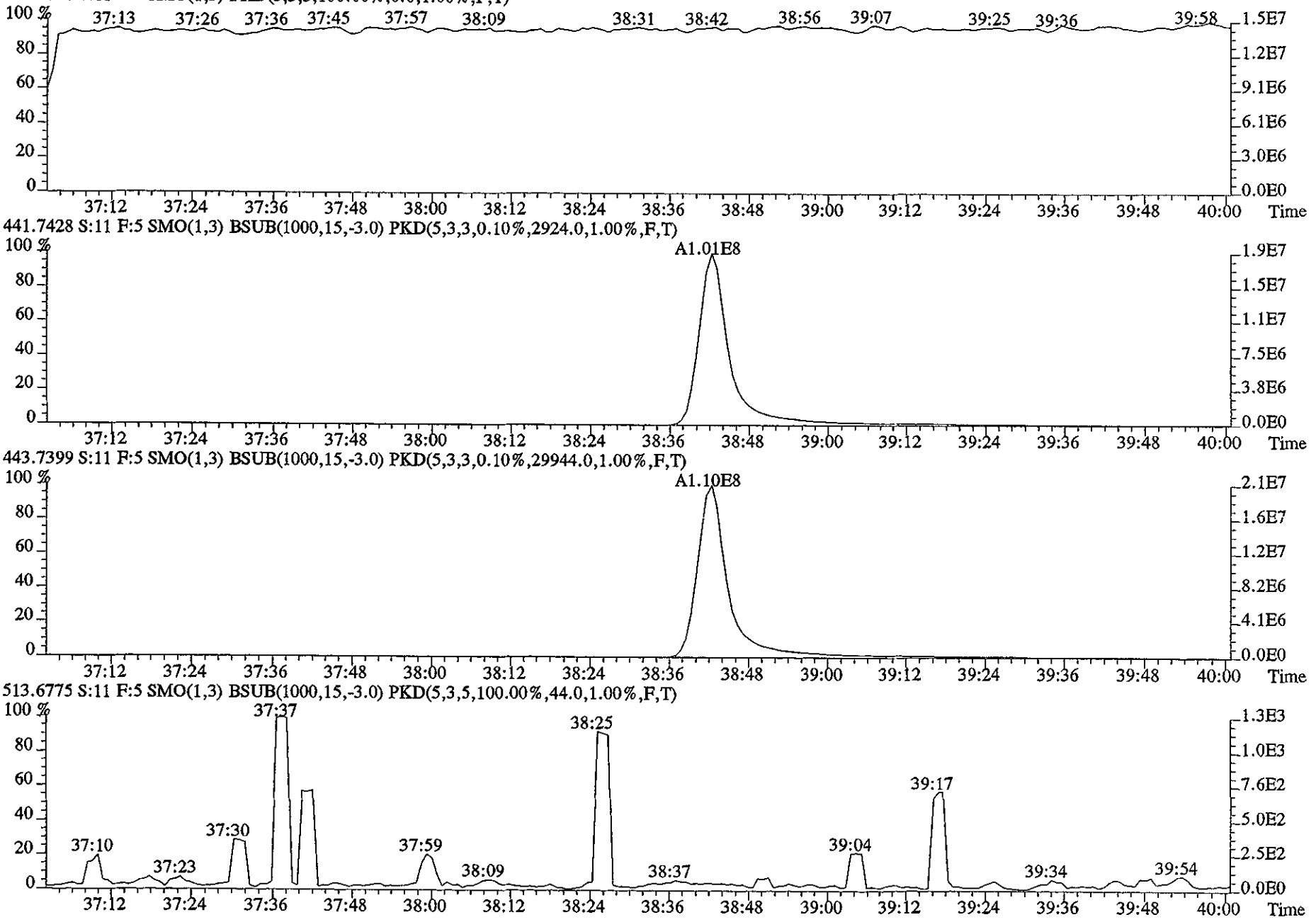
409.7789 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49168.0,1.00%,F,T)



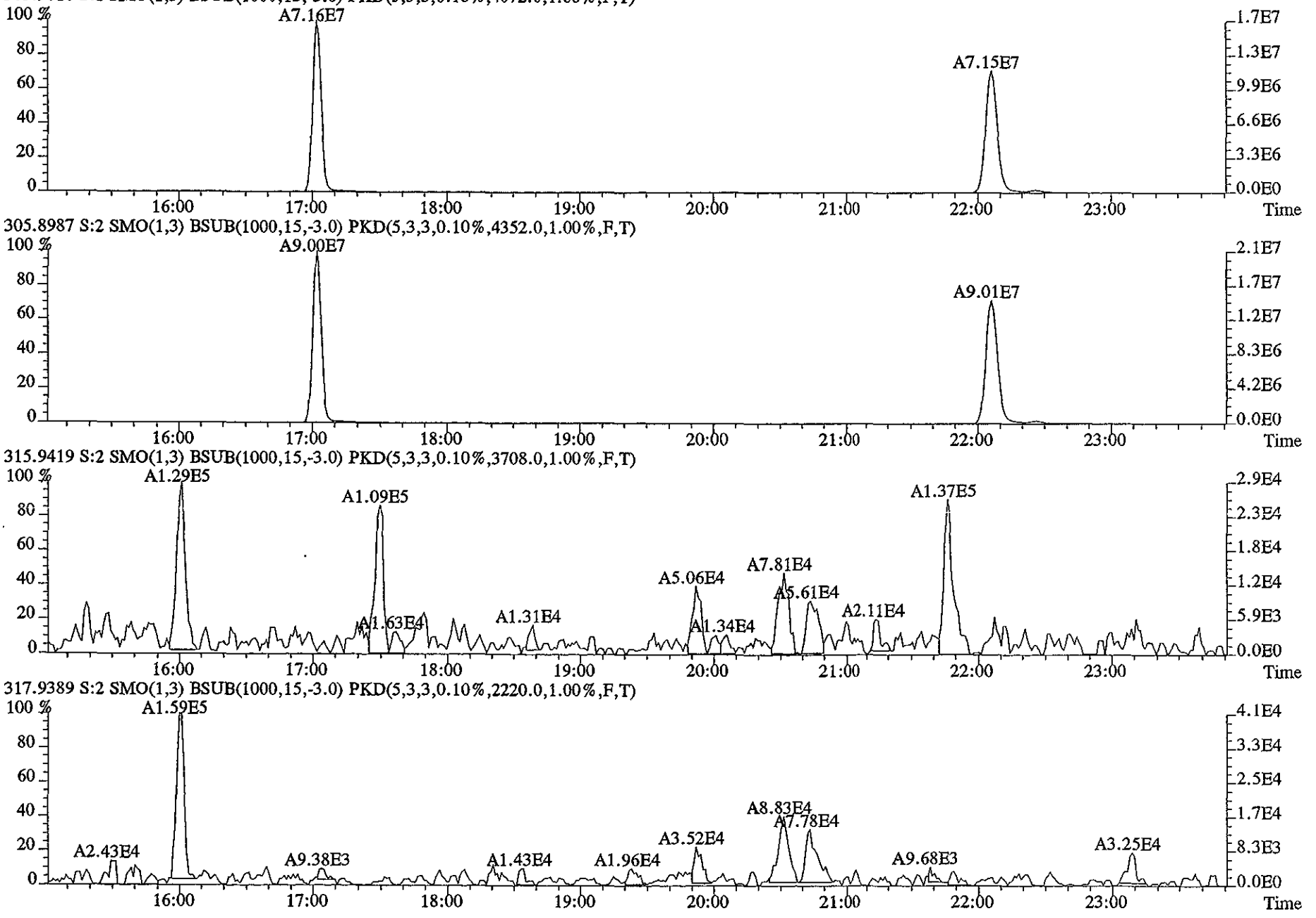
479.7165 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,48.0,1.00%,F,T)



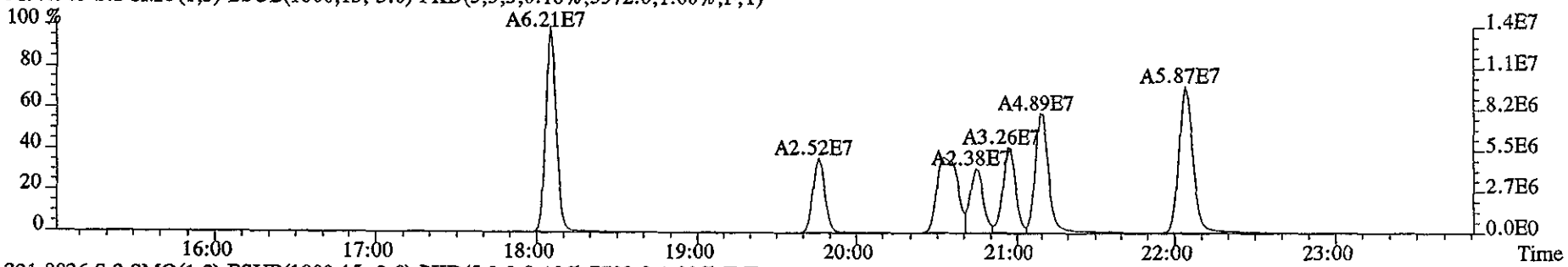
File:11MY10A4D5 #1-229 Acq:11-MAY-2010 20:10:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:ST0511I :CS-4 09DXN426 Exp:DIOXINRES8290A

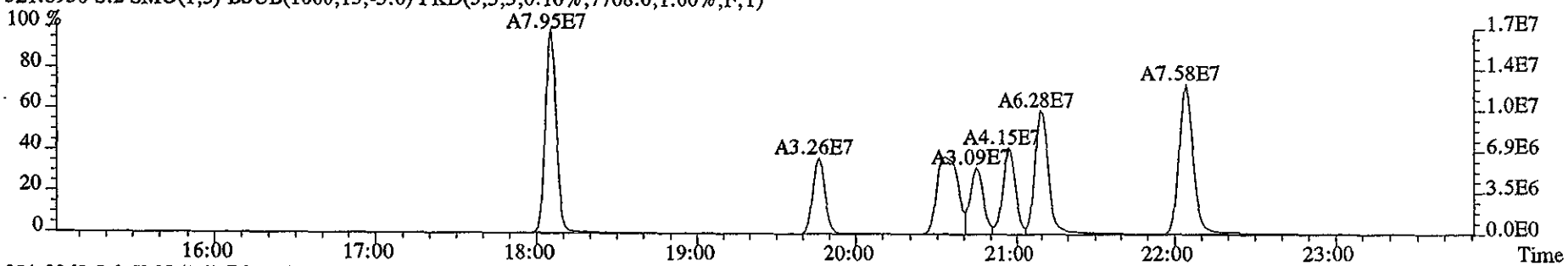


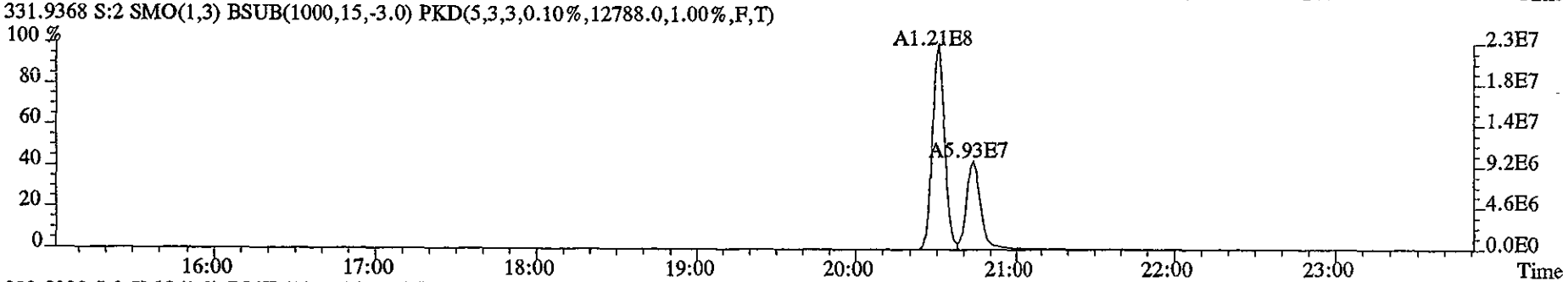
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

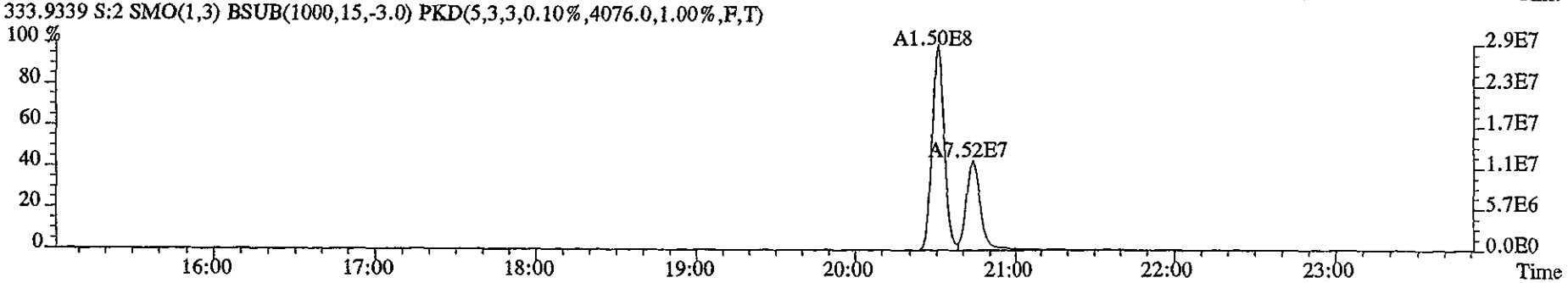


File:11MY10A4D5 #1-533 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

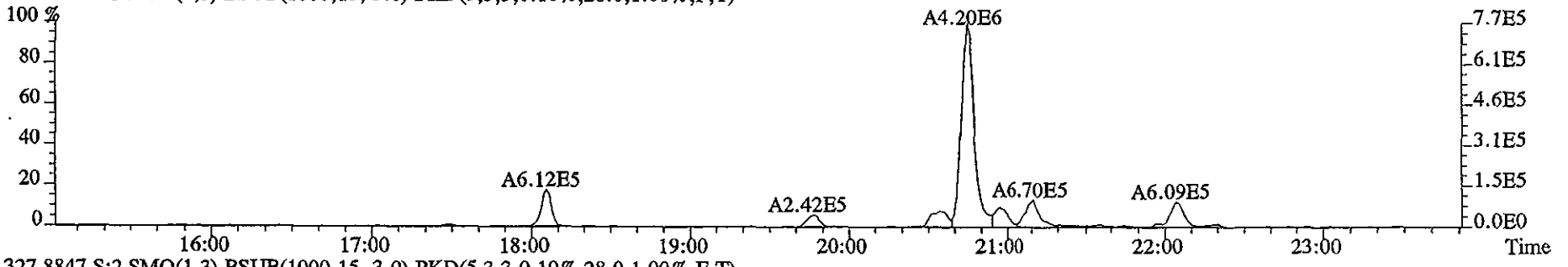




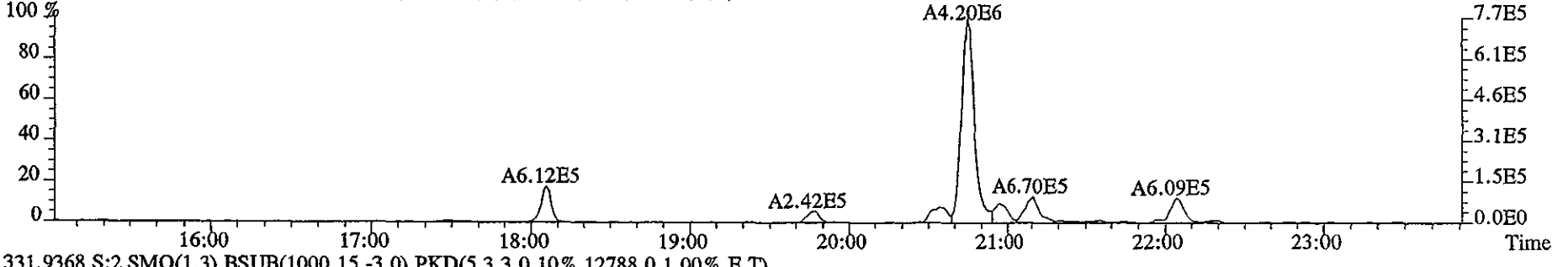




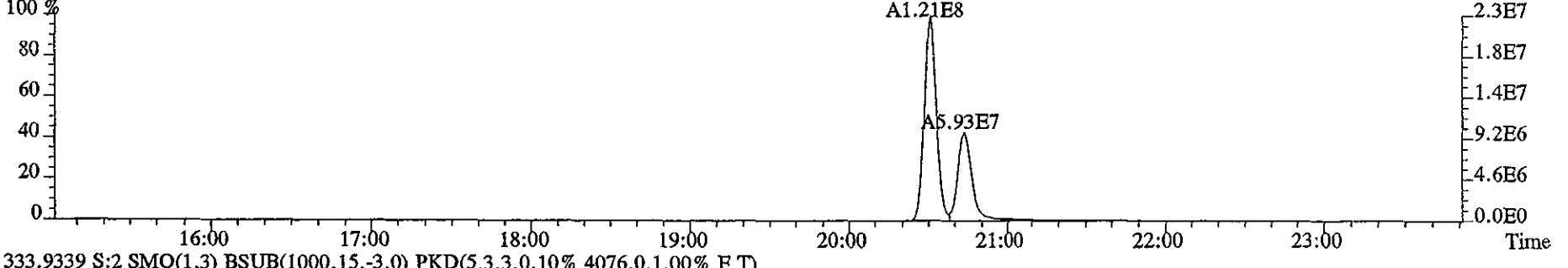
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28.0,1.00%,F,T)



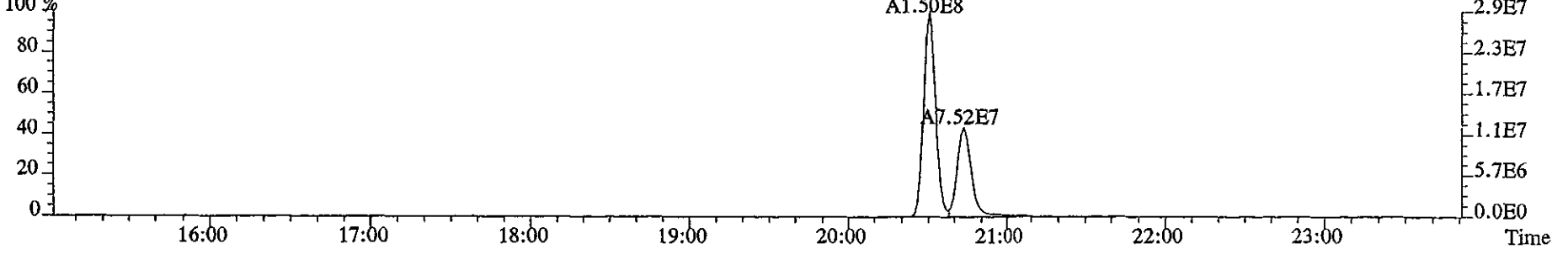
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28.0,1.00%,F,T)



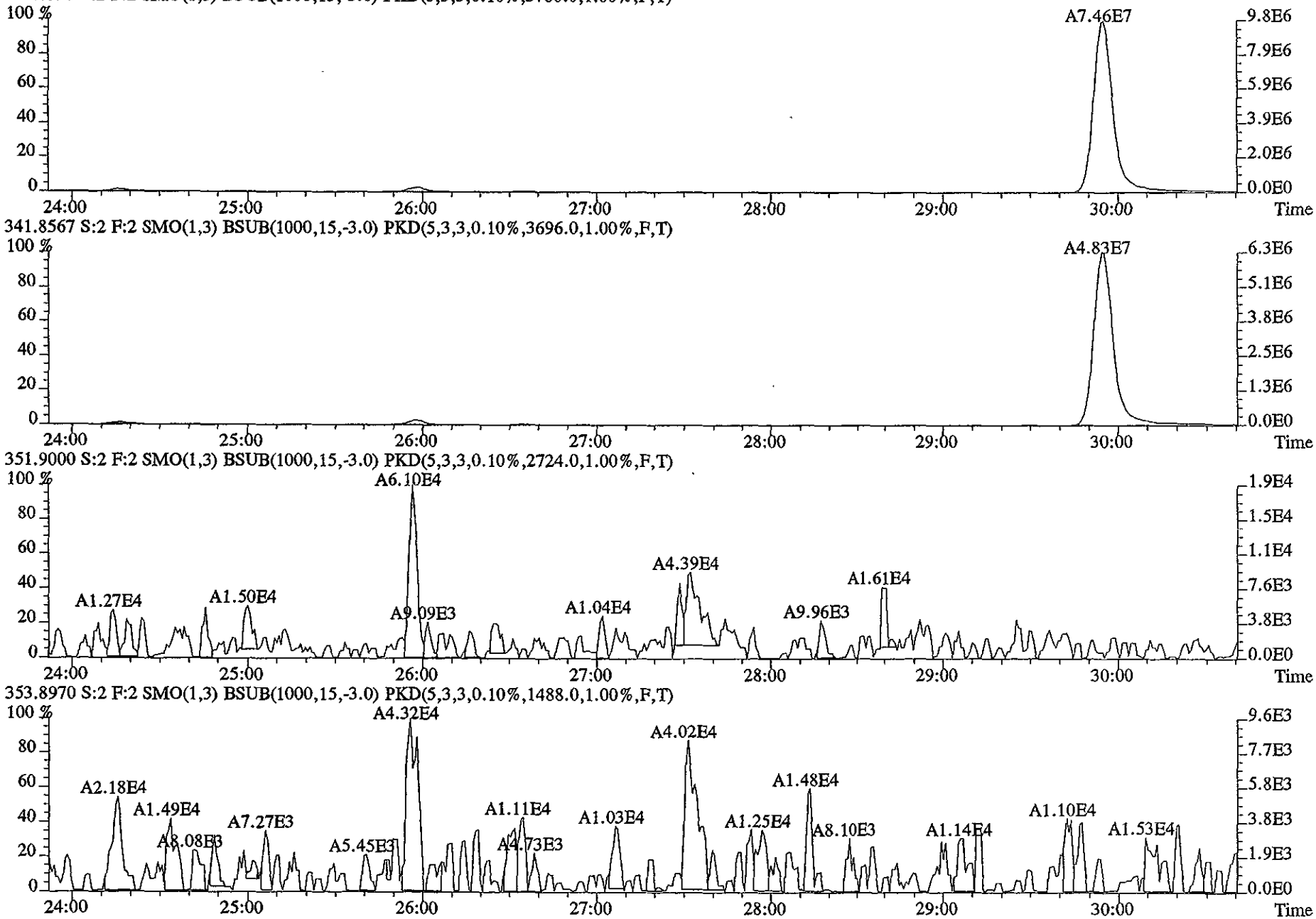
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12788.0,1.00%,F,T)



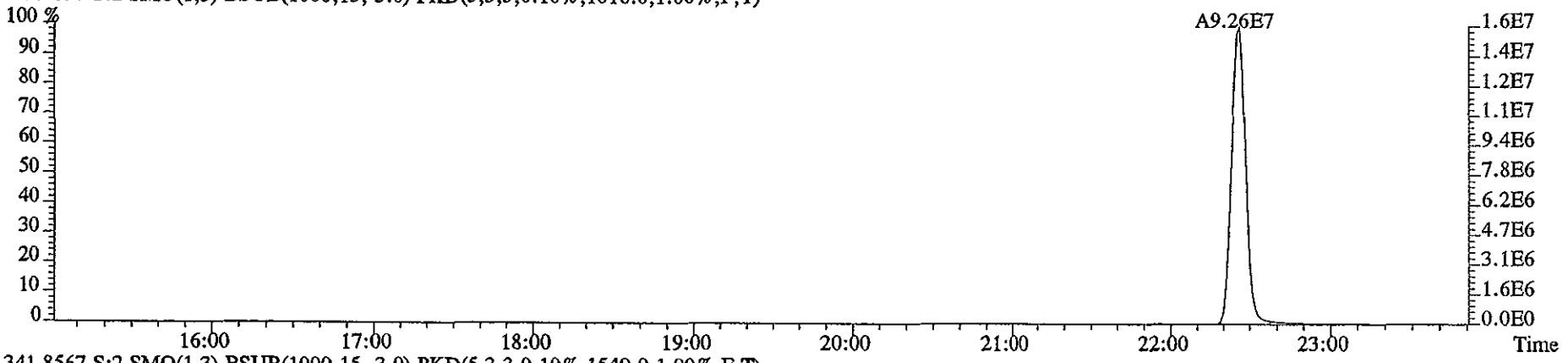
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)



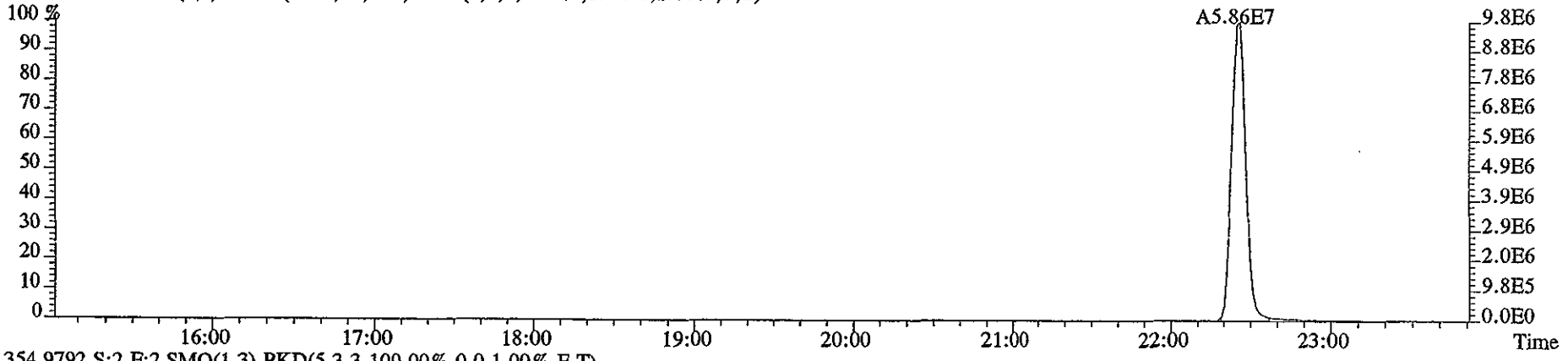
File:11MY10A4D5 #1-543 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



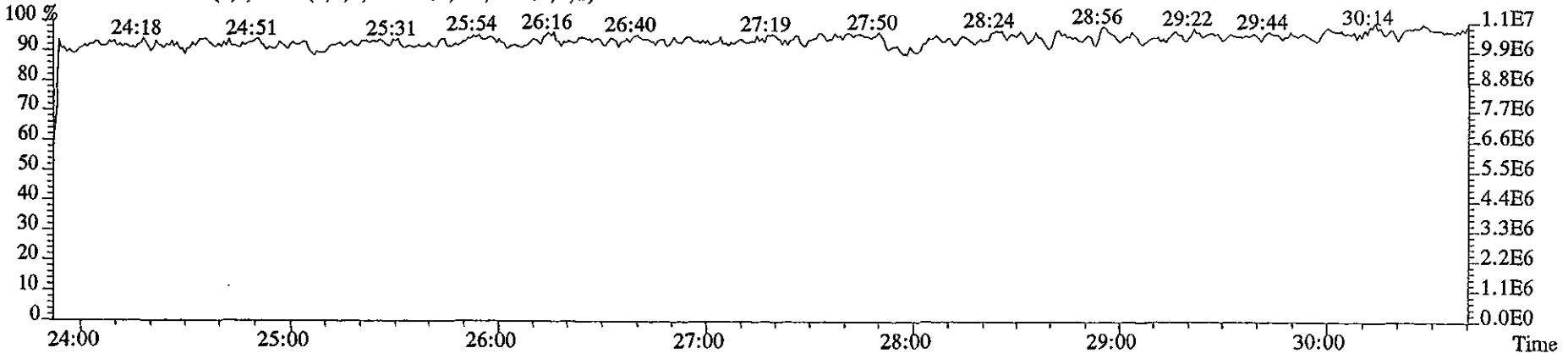
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1016.0,1.00%,F,T)



341.8567 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1540.0,1.00%,F,T)

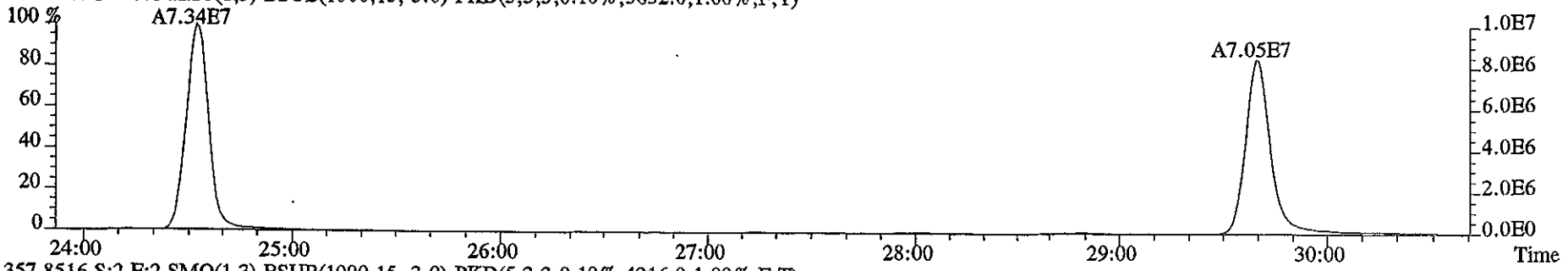


354.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

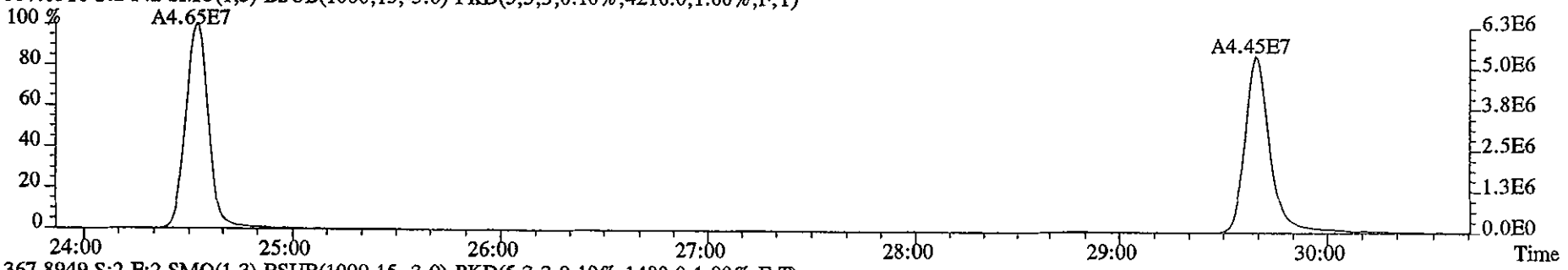


File:11MY10A4D5 #1-543 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

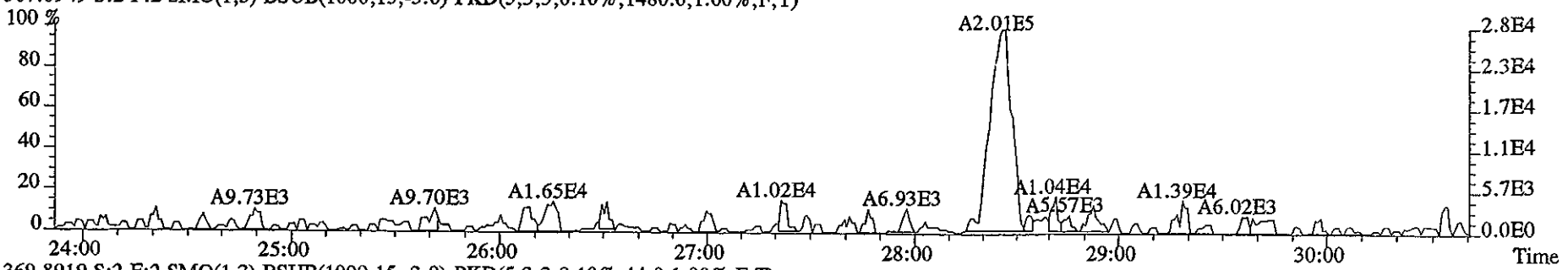
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5632.0,1.00%,F,T)



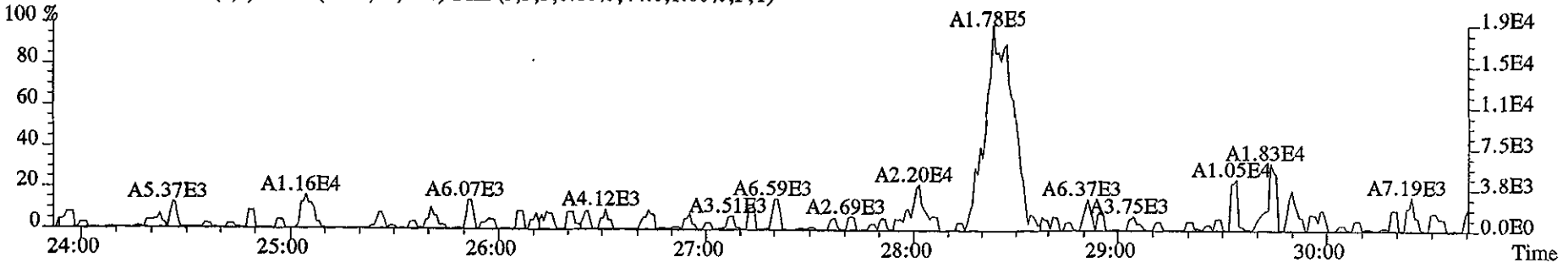
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4216.0,1.00%,F,T)



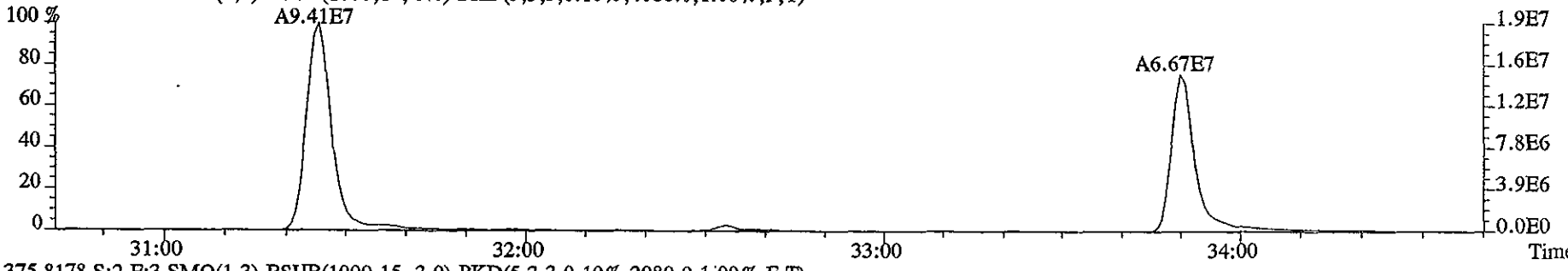
367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1480.0,1.00%,F,T)

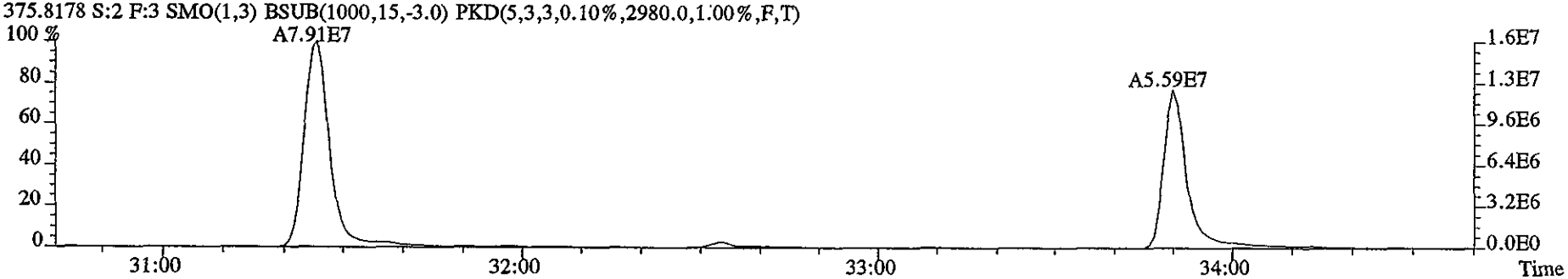


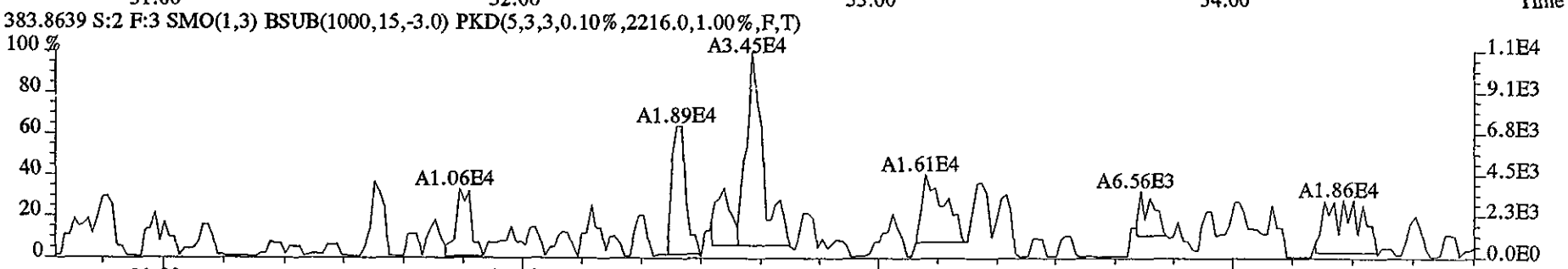
369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)

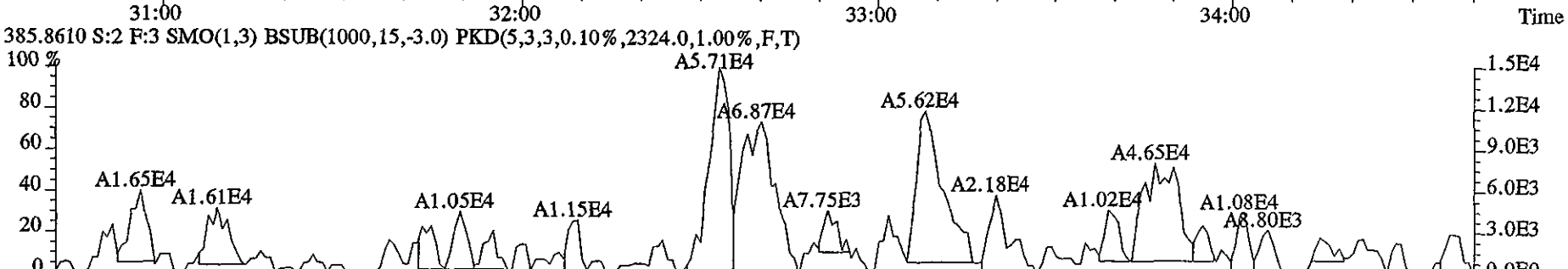


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

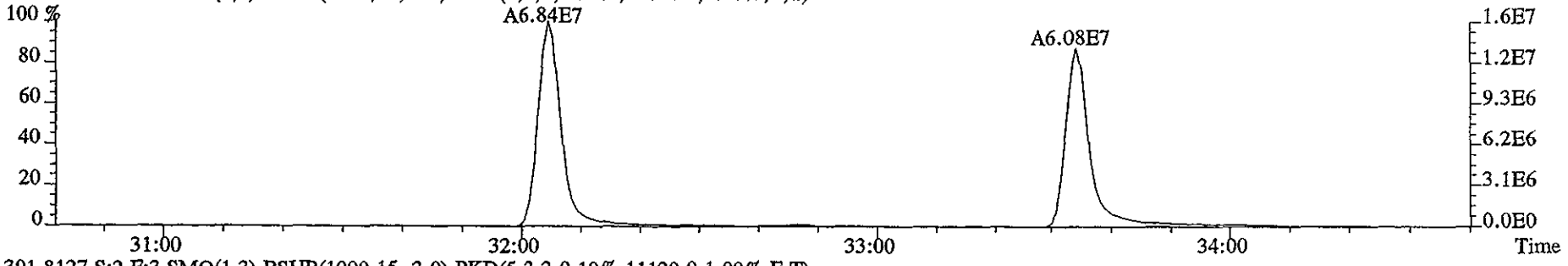


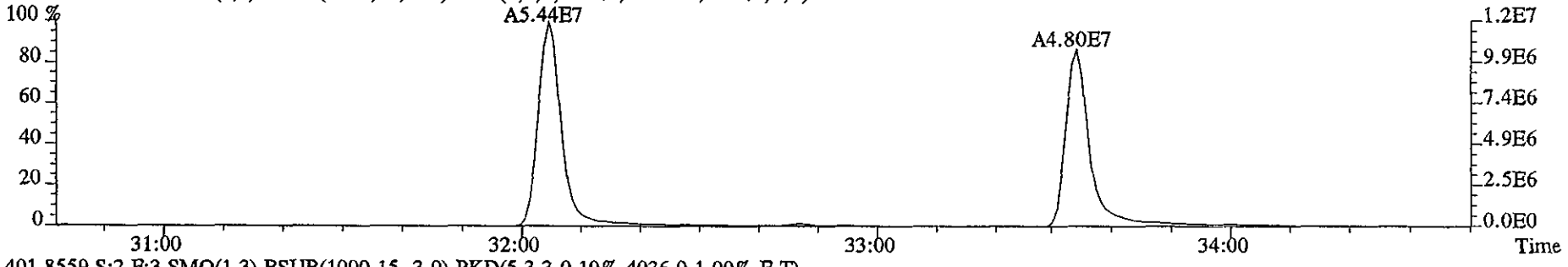


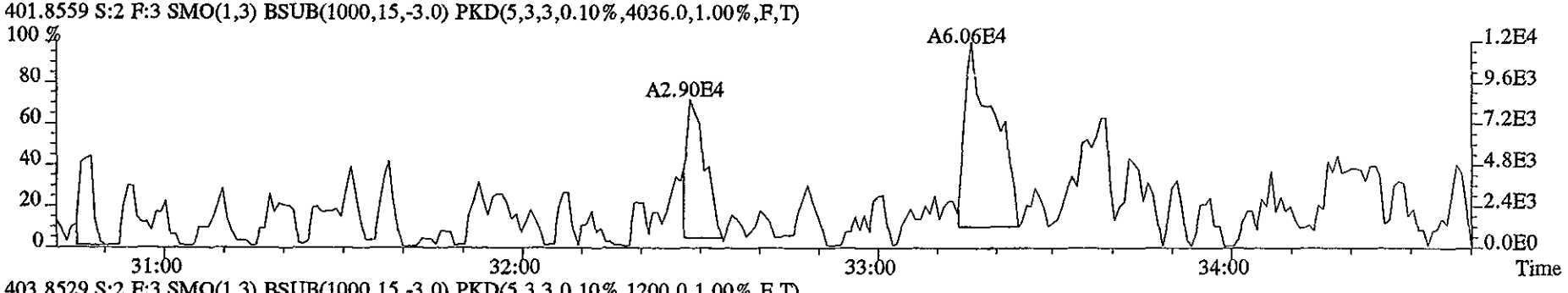


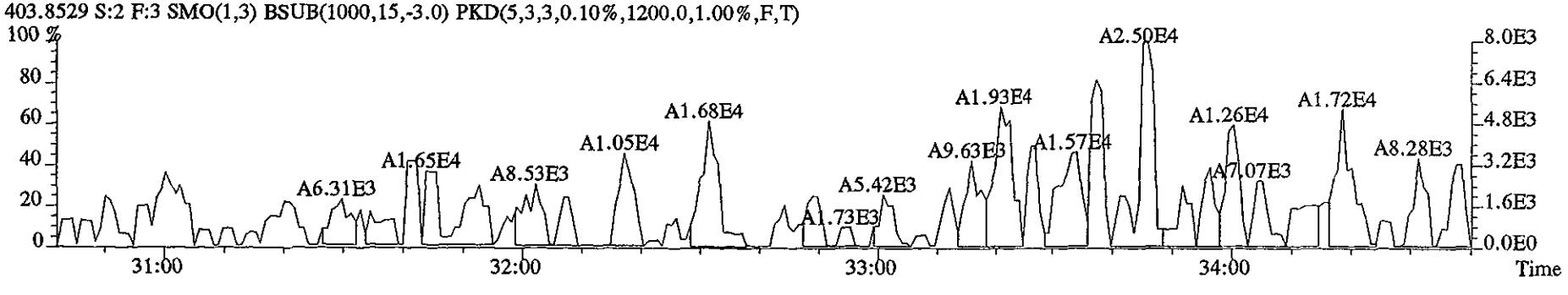


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

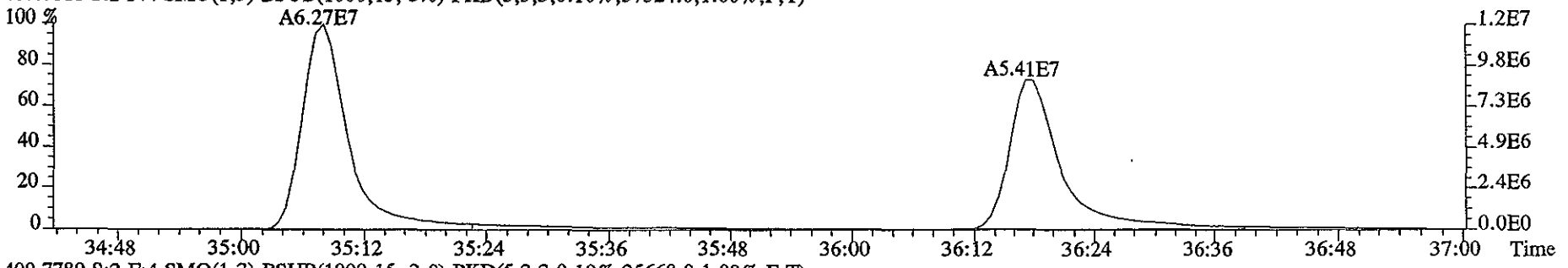


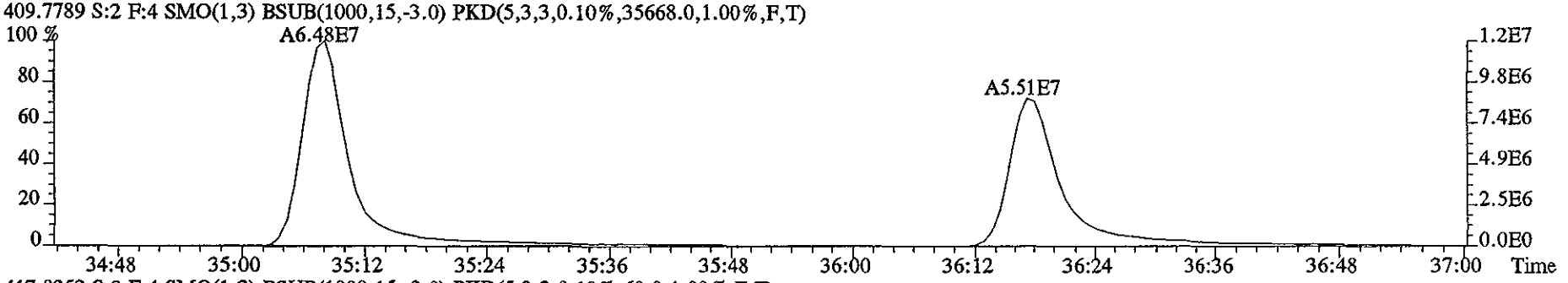


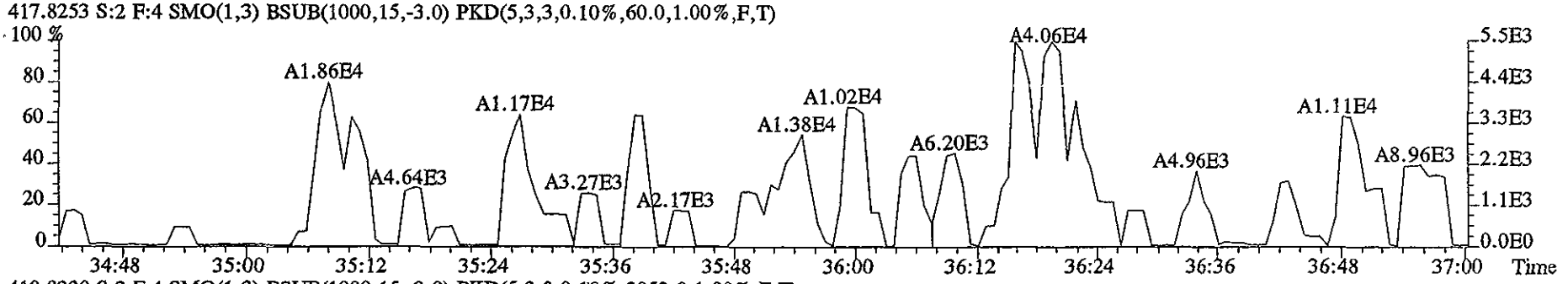


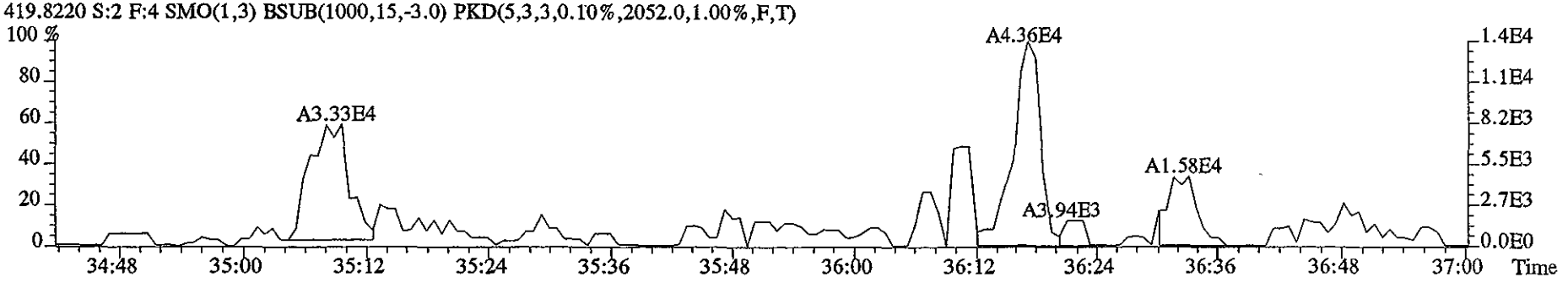


File:11MY10A4D5 #1-185 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

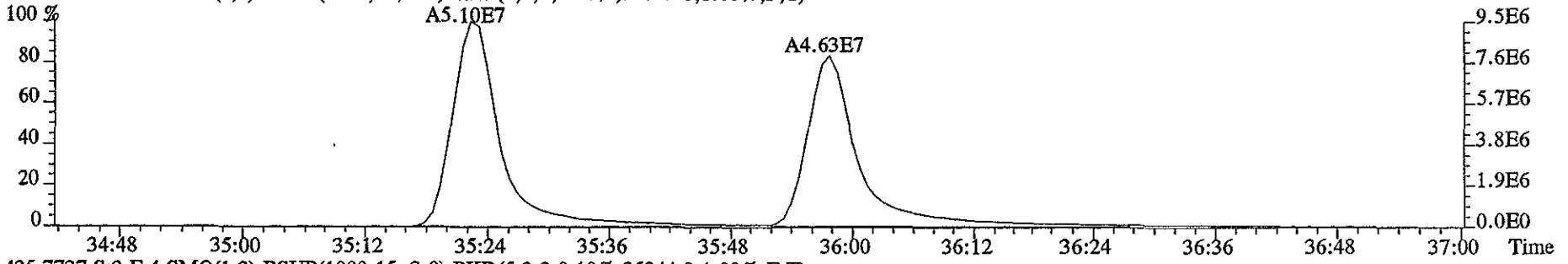




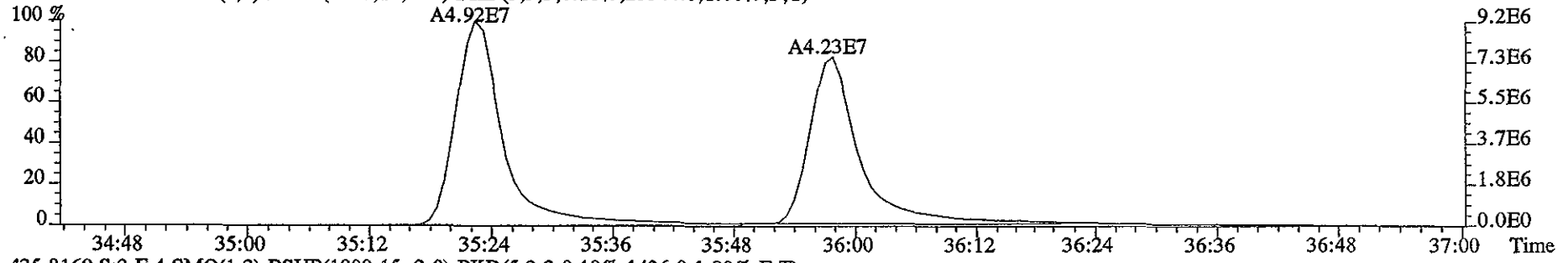




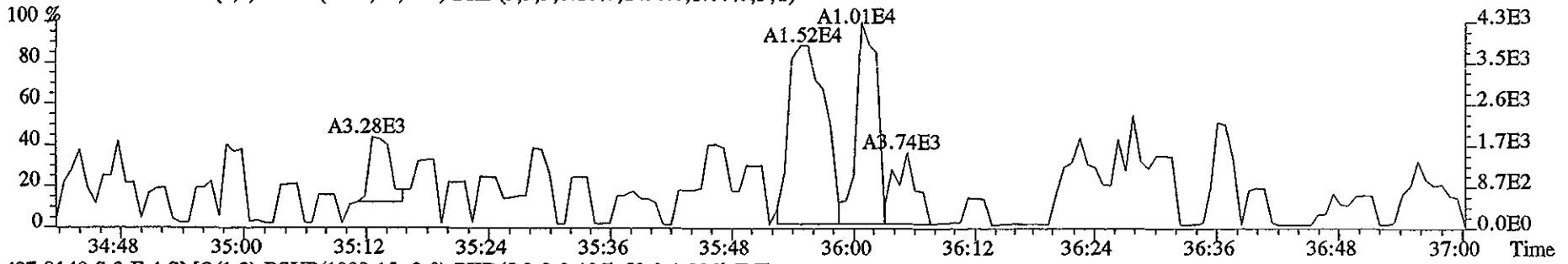
File:11MY10A4D5 #1-185 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13732.0,1.00%,F,T)



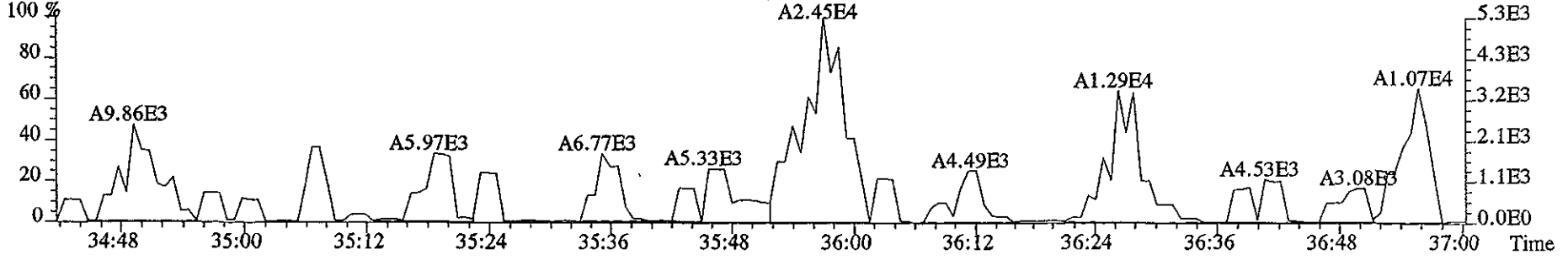
425.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25344.0,1.00%,F,T)



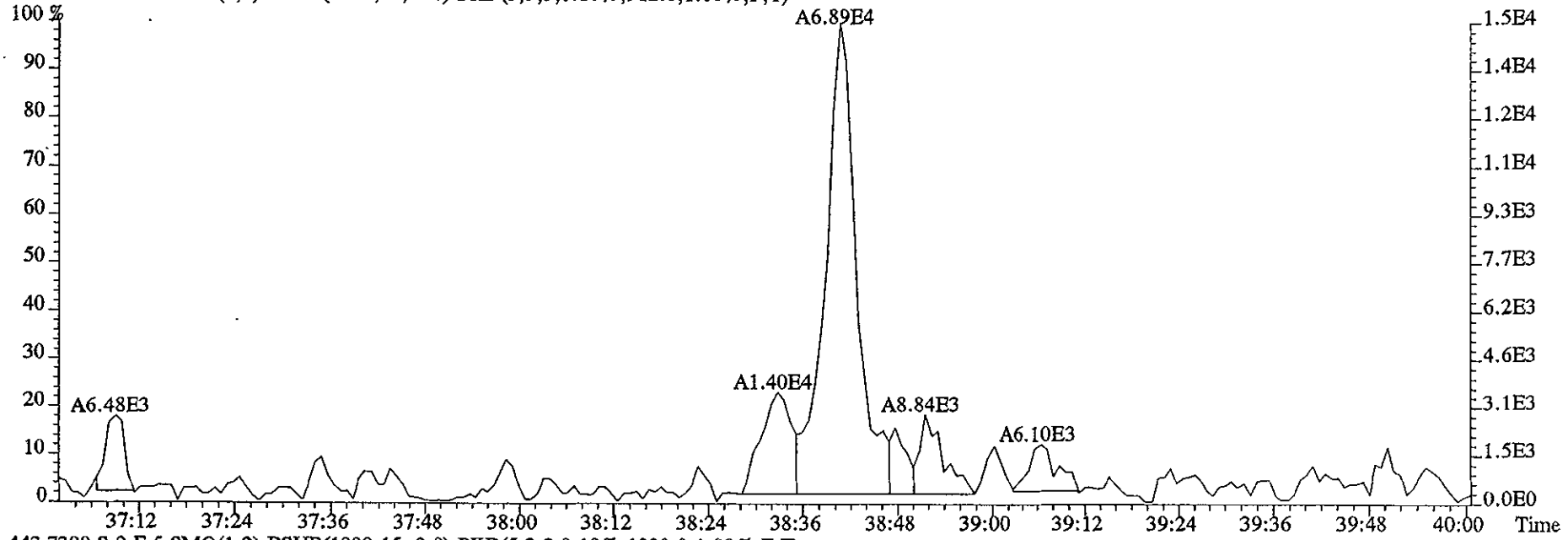
435.8169 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)



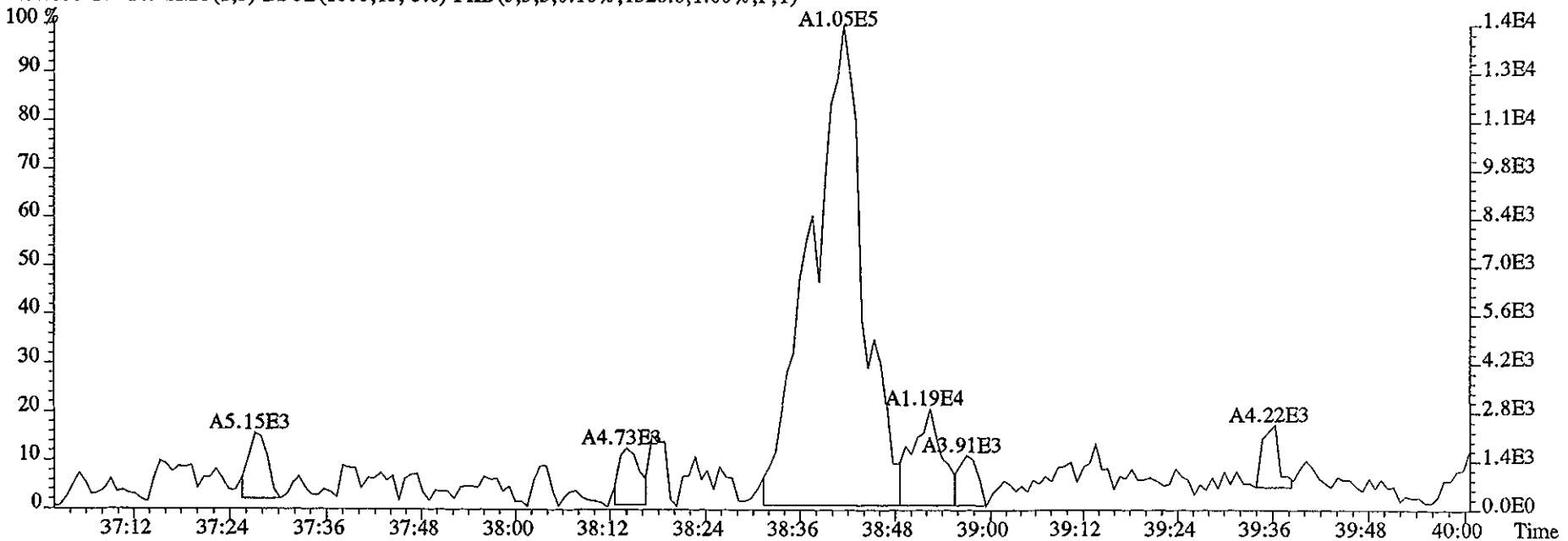
437.8140 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



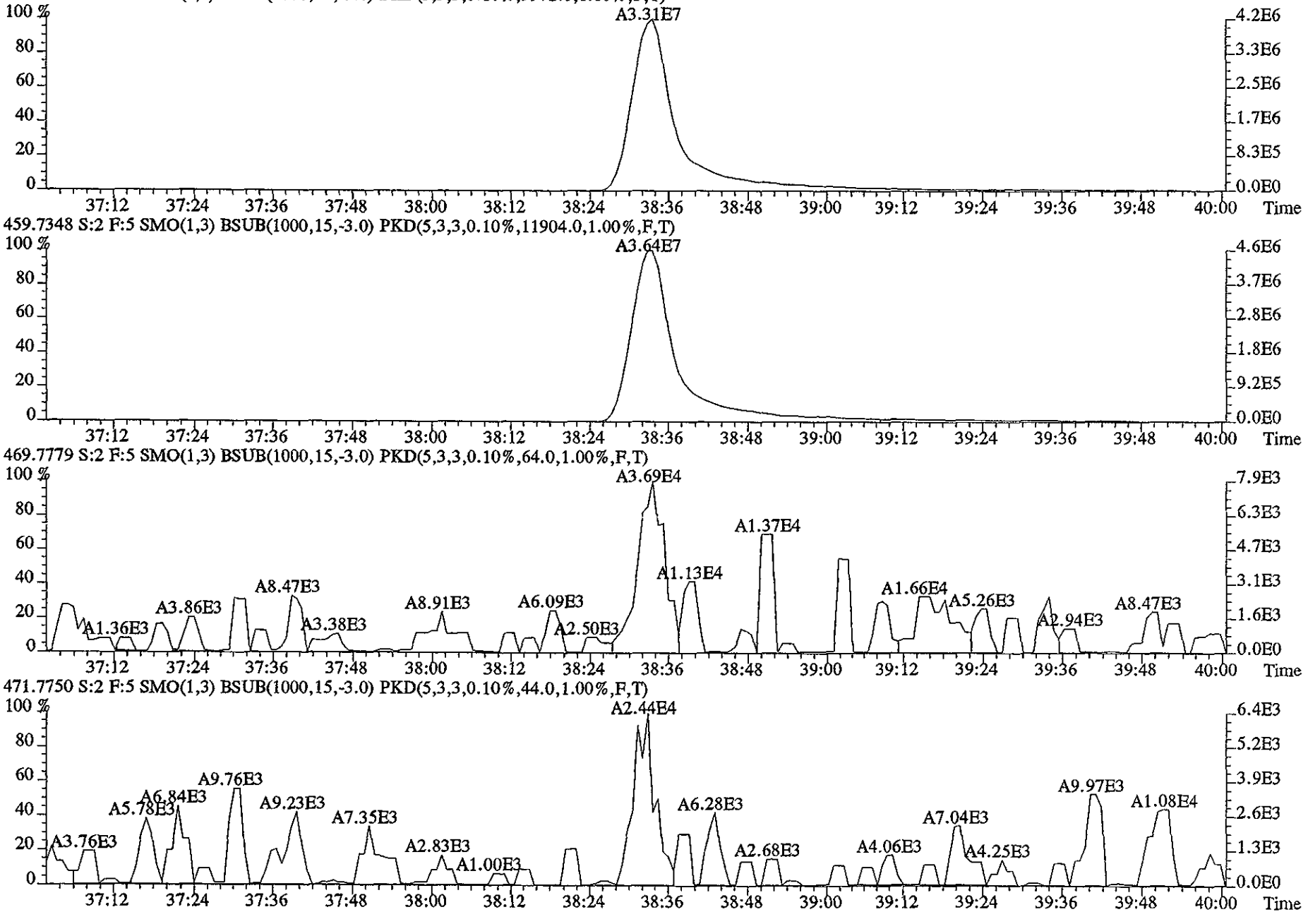
File:11MY10A4D5 #1-229 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,912.0,1.00%,F,T)



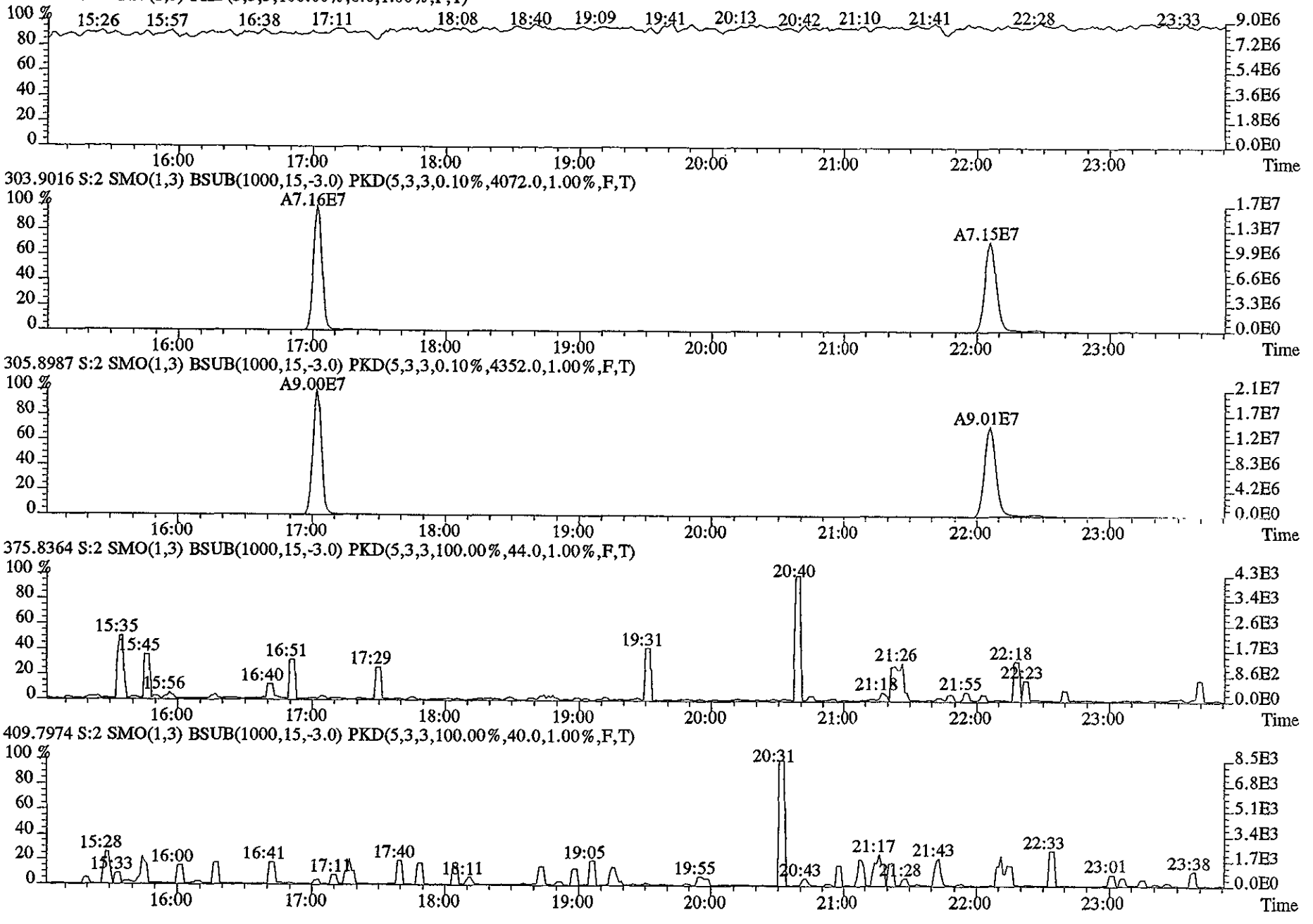
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1328.0,1.00%,F,T)



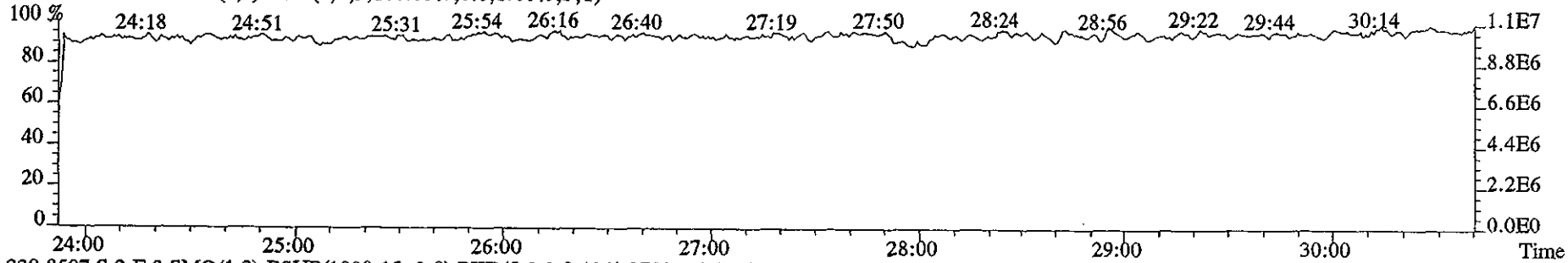
File:11MY10A4D5 #1-229 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

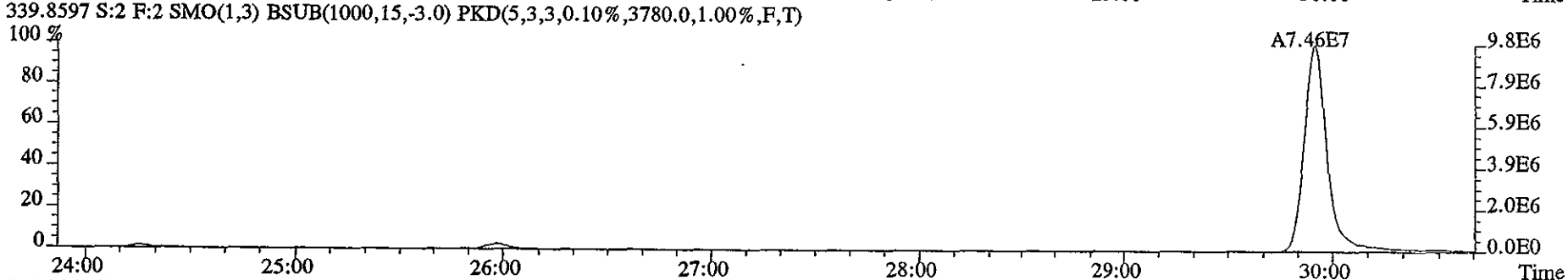


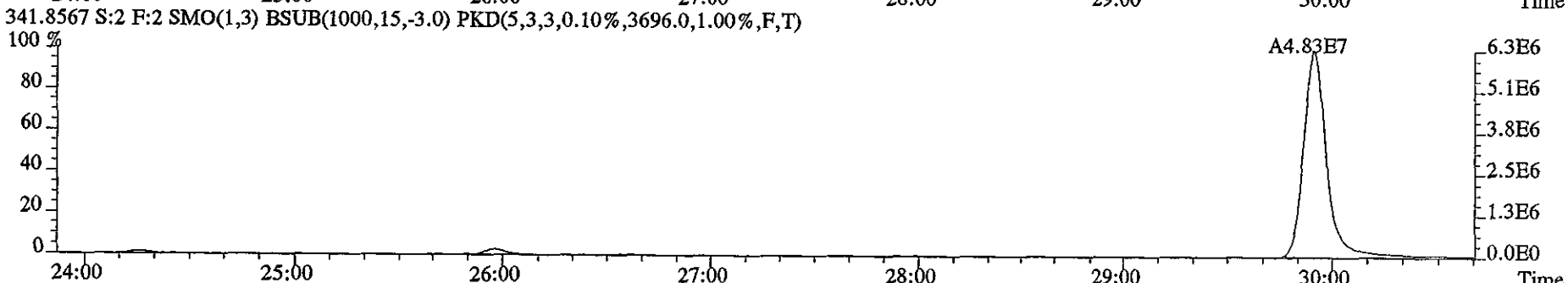
File:11MY10A4D5 #1-533 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

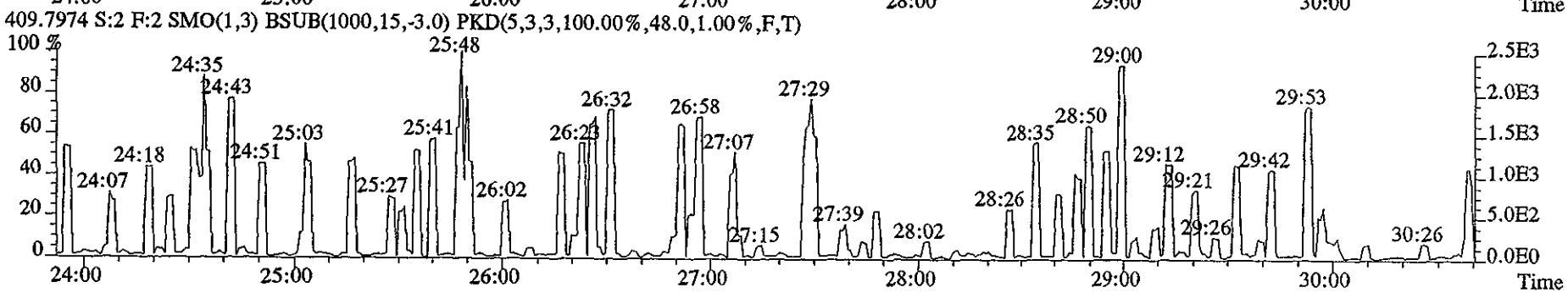


File:11MY10A4D5 #1-543 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

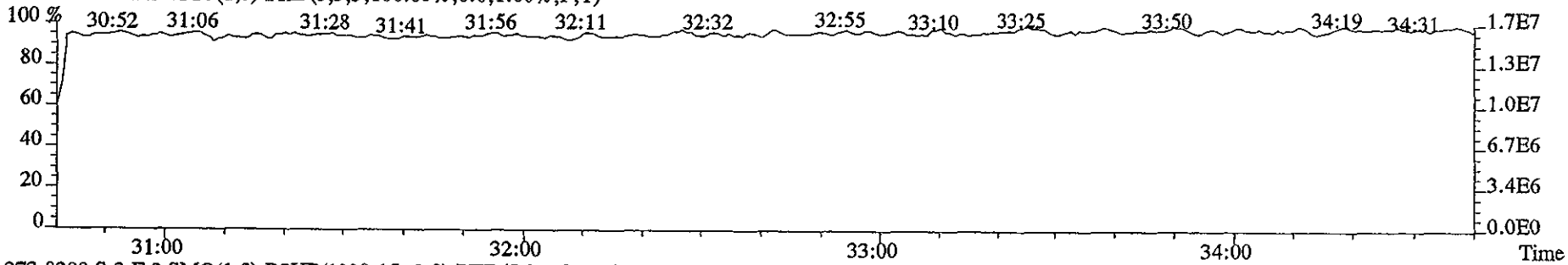


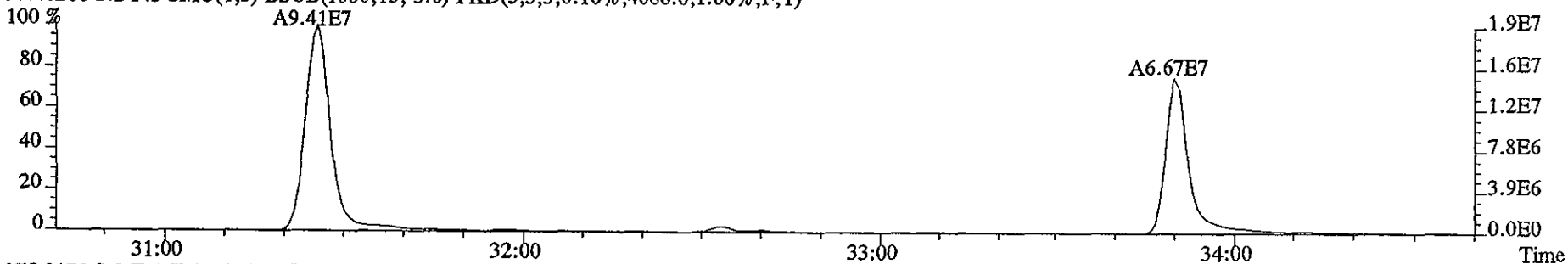


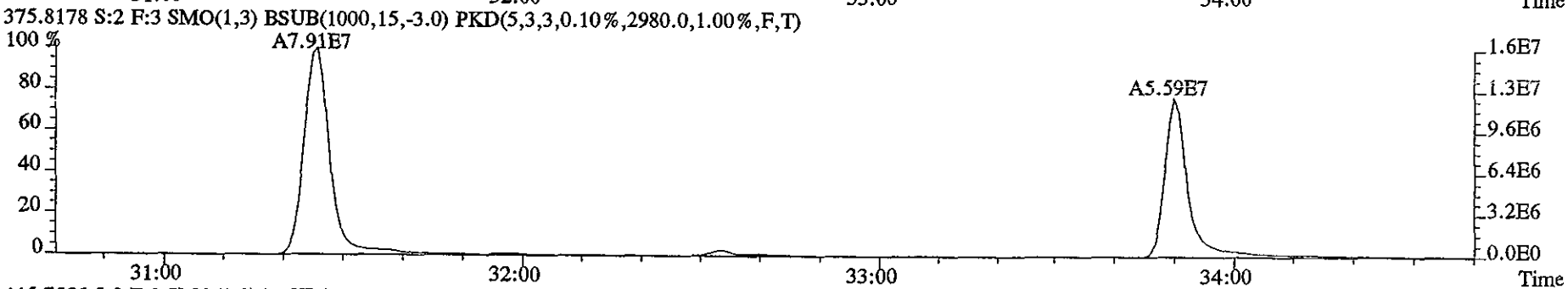


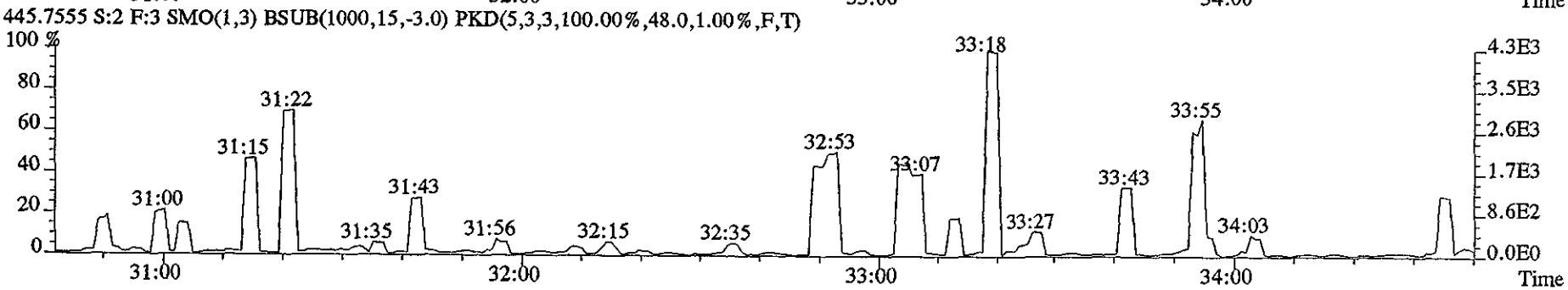


File:11MY10A4D5 #1-301 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

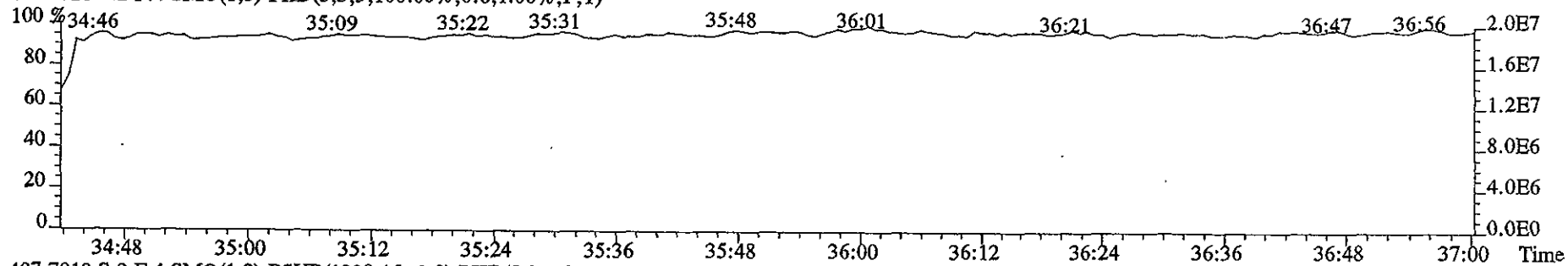


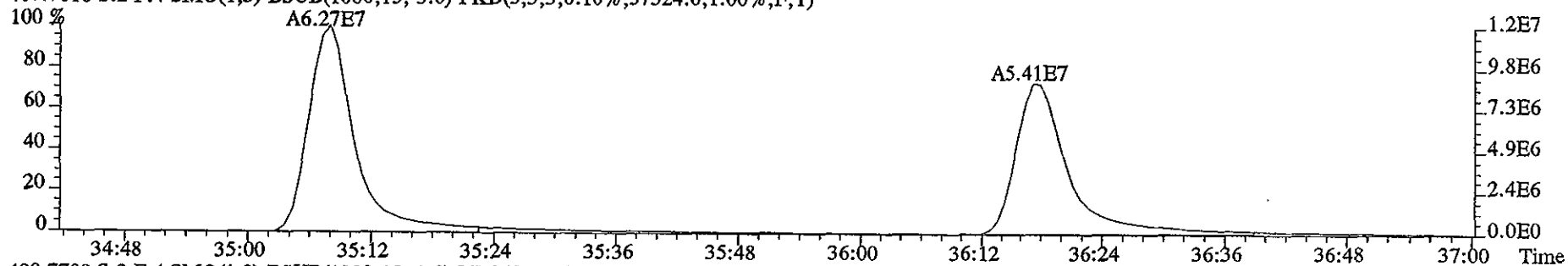


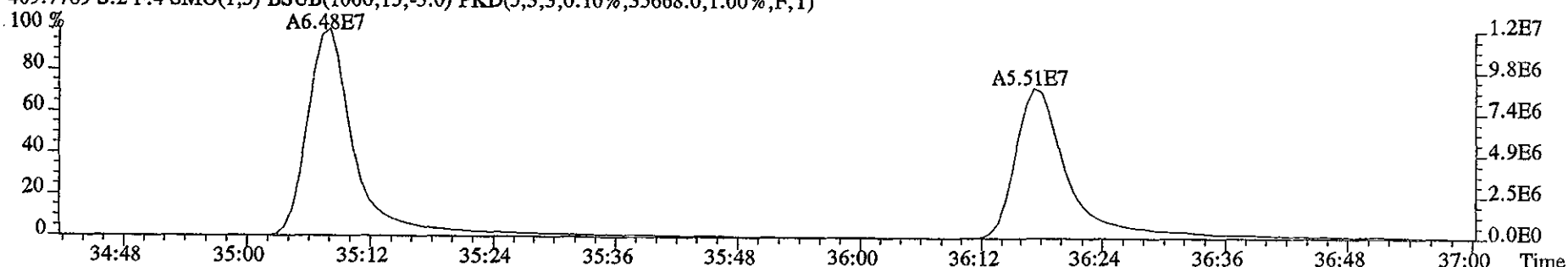


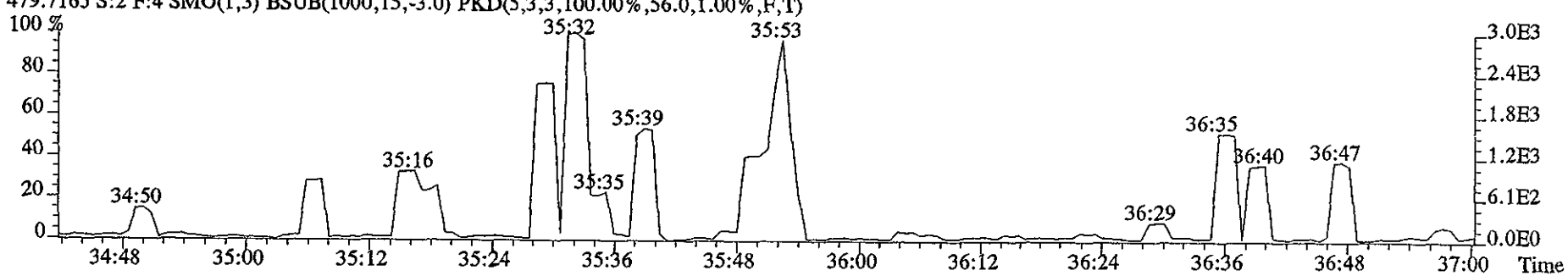


File:11MY10A4D5 #1-185 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

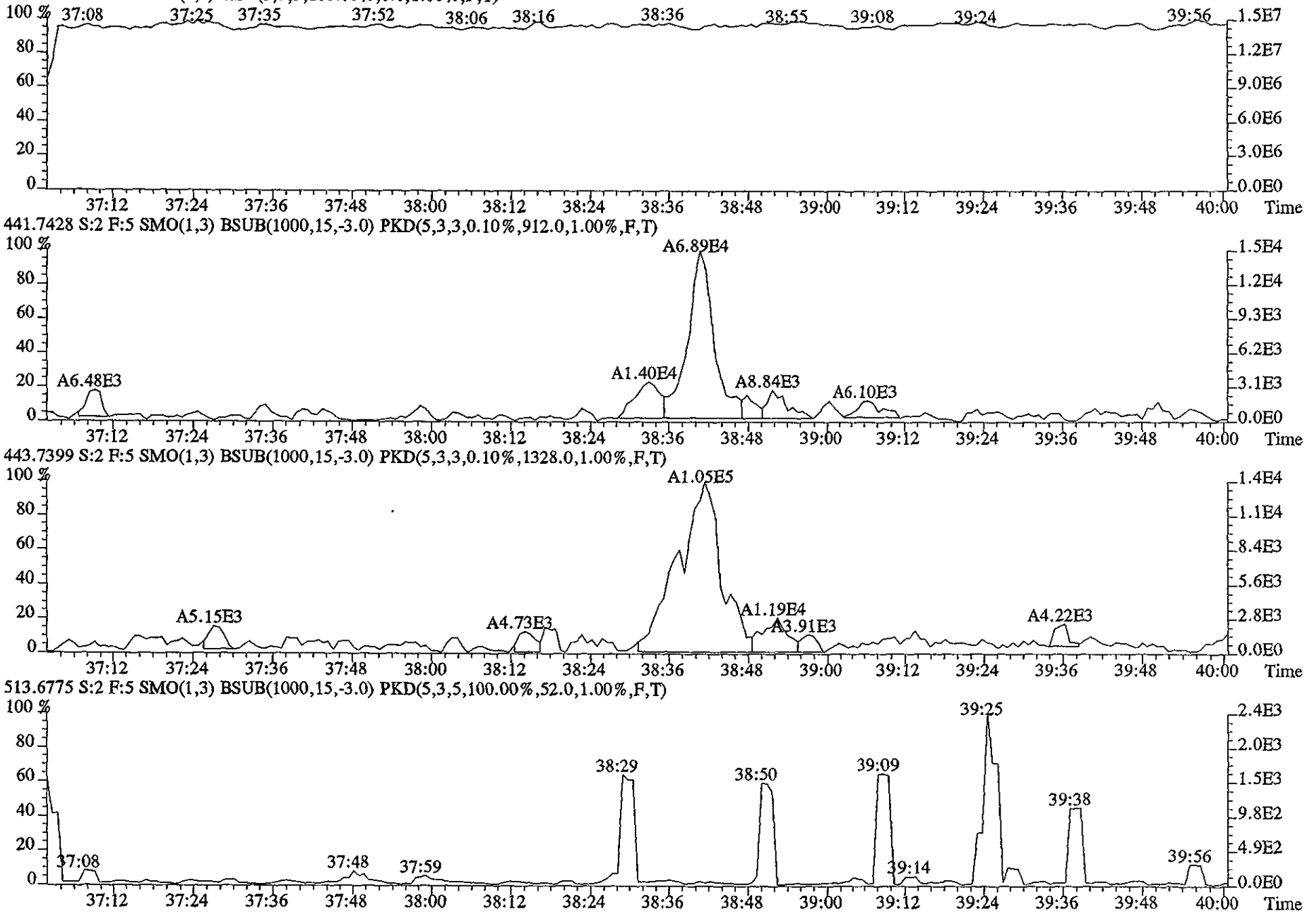








File:11MY10A4D5 #1-229 Acq:11-MAY-2010 13:23:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0511 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (DB225, AVR DB225) 042110SD2

Method ID 8290, 1613B, TO9, 23, 0023A

Date Scanned _____

Column ID DB225

Instrument ID 5D2

STD ID's STD421(I,H,G,K,J.)

STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN426, 09DXN456

GC Program DB225

Multiplier Setting 750

Analyzed By M.G.

Date Analyzed 4/21/10

Prepared By M.G.

Date Prepared 4/22/10

Reviewed By MCs

Date Reviewed 4/23/10

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

CS3 13C-1,2,3,4-TCDD Retention Time = 14:56

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.406	0.279	11.6 %	2.89	2.38	2.23	2.27	2.26

Run #1 Filename 21AP105D2 S: 14 I: 1
Acquired: 21-APR-10 18:17:40 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421I :CS1 09DXN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	98548600	0.76 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	214570500	0.81 y	16:07	2.177	100.00	n
2,3,7,8-TCDF	1171014	0.76 y	16:08	1.091	0.50	n
13C-2,3,7,8-TCDD	91030100	0.77 y	14:44	0.924	100.00	n
2,3,7,8-TCDD	654904	0.80 y	14:45	1.439	0.50	n
37Cl-2,3,7,8-TCDD	1317370	1.00 y	14:45	2.894	0.50	n

Run #2 Filename 21AP105D2 S: 13 I: 1
Acquired: 21-APR-10 17:40:39 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421H :CS2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	105183700	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207380000	0.83 y	16:07	1.972	100.00	n
2,3,7,8-TCDF	4477510	0.83 y	16:09	1.080	2.00	n
13C-2,3,7,8-TCDD	95824400	0.76 y	14:45	0.911	100.00	n
2,3,7,8-TCDD	2492210	0.81 y	14:45	1.300	2.00	n
37Cl-2,3,7,8-TCDD	4561780	1.00 y	14:45	2.380	2.00	n

Run #3 Filename 21AP105D2 S: 12 I: 1
Acquired: 21-APR-10 17:03:38 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421G :CS3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	89594000	0.77 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	195422300	0.84 y	16:07	2.181	100.00	n
2,3,7,8-TCDF	21585080	0.85 y	16:08	1.105	10.00	n
13C-2,3,7,8-TCDD	87844800	0.77 y	14:44	0.980	100.00	n
2,3,7,8-TCDD	12499560	0.85 y	14:45	1.423	10.00	n
37Cl-2,3,7,8-TCDD	19546260	1.00 y	14:45	2.225	10.00	n

Run #4 Filename 21AP105D2 S: 16 I: 1
Acquired: 21-APR-10 19:31:45 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421K :CS4 09DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	107645400	0.77	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207815400	0.82	y	16:08	1.931	100.00	n
2,3,7,8-TCDF	91213400	0.83	y	16:09	1.097	40.00	n
13C-2,3,7,8-TCDD	94849900	0.76	y	14:45	0.881	100.00	n
2,3,7,8-TCDD	49864500	0.85	y	14:46	1.314	40.00	n
37Cl-2,3,7,8-TCDD	86039800	1.00	y	14:46	2.268	40.00	n

Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 15:44:29
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421J :CS5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84	y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81	y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78	y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84	y	14:46	1.310	200.00	n
37Cl-2,3,7,8-TCDD	456866000	1.00	y	14:46	2.265	200.00	n

Run: 21AP105D2 Analyte: DB225 Cal: DB225042110SD2

ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

Run #1 Filename 21AP105D2 S: 14 I: 1
Acquired: 21-APR-10 18:17:40 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB225042l105D2
Comments:
Sample text: ST0421I :CS1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	98548600	0.76	y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	214570500	0.81	y	16:07	2.177	100.00	n
2,3,7,8-TCDF	1171014	0.76	y	16:08	1.091	0.50	n
13C-2,3,7,8-TCDD	91030100	0.77	y	14:44	0.924	100.00	n
2,3,7,8-TCDD	654904	0.80	y	14:45	1.439	0.50	n
37Cl-2,3,7,8-TCDD	1317370	1.00	y	14:45	2.674	0.50	n

Run #2 Filename 21AP105D2 S: 13 I: 1
Acquired: 21-APR-10 17:40:39 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421H :CS2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	105183700	0.75	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207380000	0.83	y	16:07	1.972	100.00	n
2,3,7,8-TCDF	4477510	0.83	y	16:09	1.080	2.00	n
13C-2,3,7,8-TCDD	95824400	0.76	y	14:45	0.911	100.00	n
2,3,7,8-TCDD	2492210	0.81	y	14:45	1.300	2.00	n
37Cl-2,3,7,8-TCDD	4561780	1.00	y	14:45	2.168	2.00	n

Run #3 Filename 21AP105D2 S: 12 I: 1
Acquired: 21-APR-10 17:03:38 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421G :CS3 10DXN111

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	89594000	0.77	y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	195422300	0.84	y	16:07	2.181	100.00	n
2,3,7,8-TCDF	21585080	0.85	y	16:08	1.105	10.00	n
13C-2,3,7,8-TCDD	87844800	0.77	y	14:44	0.980	100.00	n
2,3,7,8-TCDD	12499560	0.85	y	14:45	1.423	10.00	n
37Cl-2,3,7,8-TCDD	19546260	1.00	y	14:45	2.182	10.00	n

Run #4 Filename 21AP105D2 S: 16 I: 1
Acquired: 21-APR-10 19:31:45 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421K :CS4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	107645400	0.77 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207815400	0.82 y	16:08	1.931	100.00	n
2,3,7,8-TCDF	91213400	0.83 y	16:09	1.097	40.00	n
13C-2,3,7,8-TCDD	94849900	0.76 y	14:45	0.881	100.00	n
2,3,7,8-TCDD	49864500	0.85 y	14:46	1.314	40.00	n
37Cl-2,3,7,8-TCDD	86039800	1.00 y	14:46	1.998	40.00	n

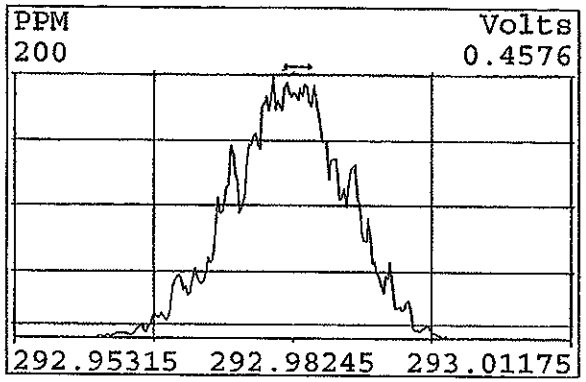
Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 08:14:00
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421J :CS5 09DXN456

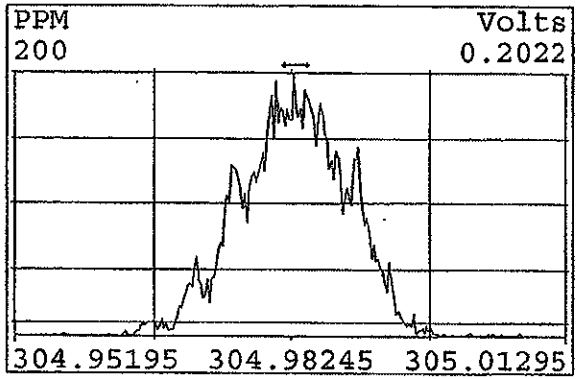
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84	y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81	y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78	y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84	y	14:46	1.310	200.00	n
37Cl-2,3,7,8-TCDD	456866000	1.00	y	14:46	2.369	200.00	n

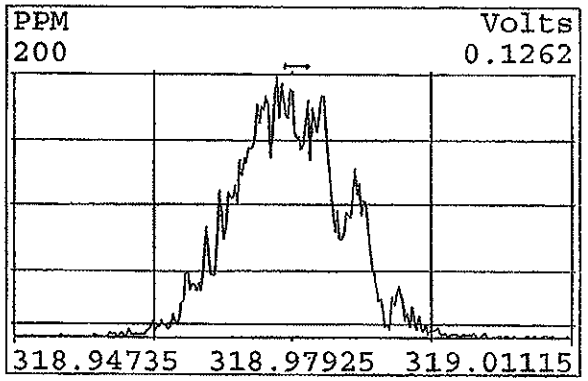
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21AP105D2	1	ST0421	CS3 10DXN111				1.000	
21AP105D2	2	CP0421	DB-225 CPSM 3732-06				1.000	
21AP105D2	3	SB0421	Solvent Blank C-14				1.000	
21AP105D2	4	LXTRR-1-AC	A0D120411-1	20	8290/SOLID	70	10.060	g
21AP105D2	5	SB0421A	Solvent Blank C-14				1.000	
21AP105D2	6	ST0421A	CS3 10DXN111				1.000	
21AP105D2	7	ST0421B	CS2 09DXN423				1.000	
21AP105D2	8	ST0421C	CS1 09DXN422				1.000	
21AP105D2	9	ST0421D	CS5 09DXN456				1.000	
21AP105D2	10	ST0421E	CS4 09DXN426				1.000	
21AP105D2	11	ST0421F	2nd Source 09DXN449				1.000	
21AP105D2	12	ST0421G	CS3 10DXN111				1.000	
21AP105D2	13	ST0421H	CS2 09DXN423				1.000	
21AP105D2	14	ST0421I	CS1 09DXN422				1.000	
21AP105D2	15	ST0421J	CS5 09DXN456				1.000	
21AP105D2	16	ST0421K	CS4 09DXN426				1.000	
21AP105D2	17	ST0421L	2nd Source 09DXN449				1.000	
21AP105D2	18						1.000	
21AP105D2	19						1.000	
21AP105D2	20						1.000	
21AP105D2	21		MG 04/21/10				1.000	

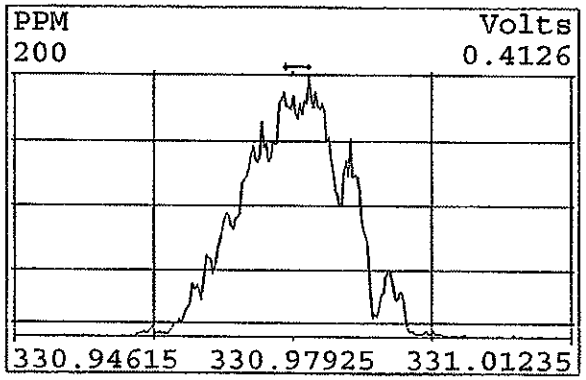
log file checked
4-22-10
SMA

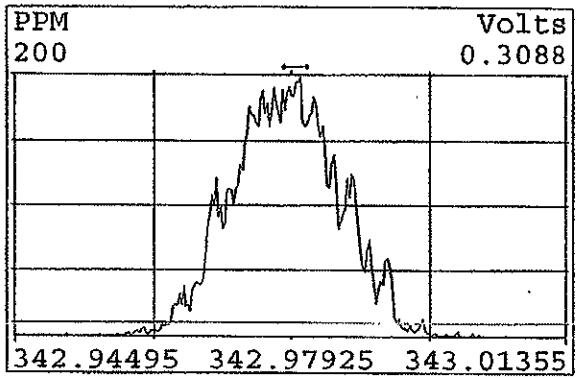
Peak Locate Examination:21-APR-2010:10:08 File:21AP105D2
Experiment:DIOXIN Function:1 Reference:PFK

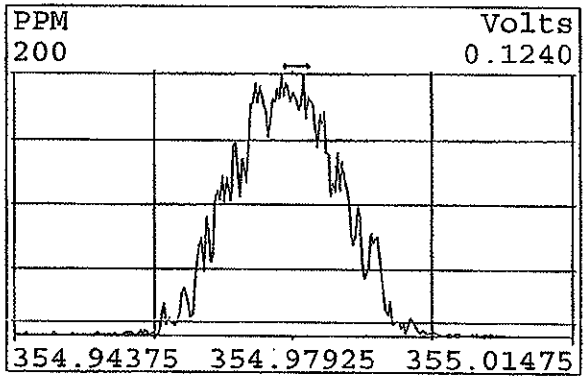


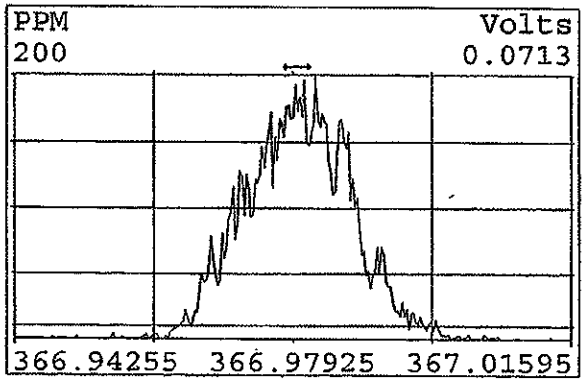


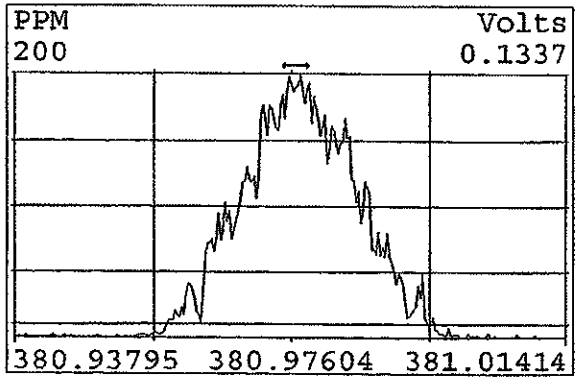




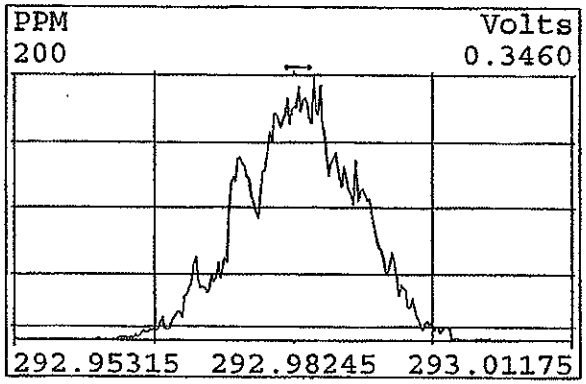


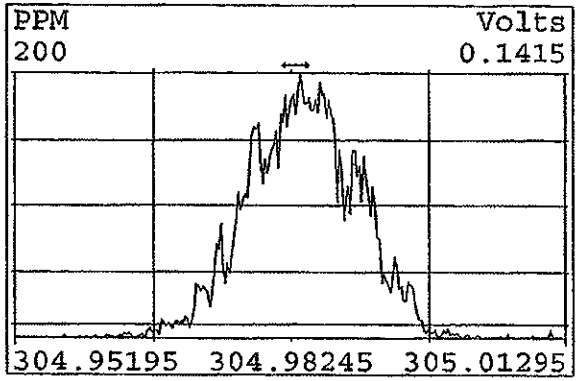


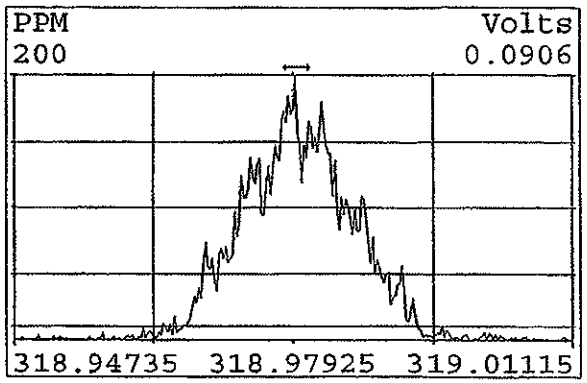


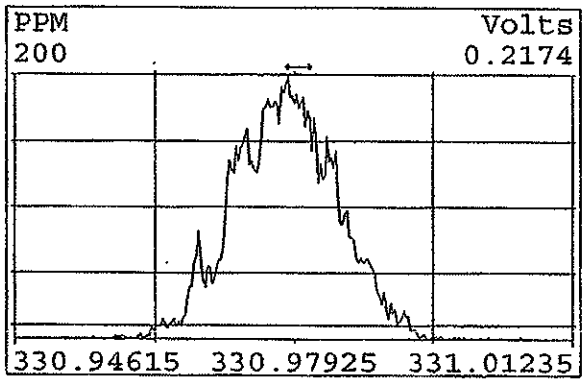


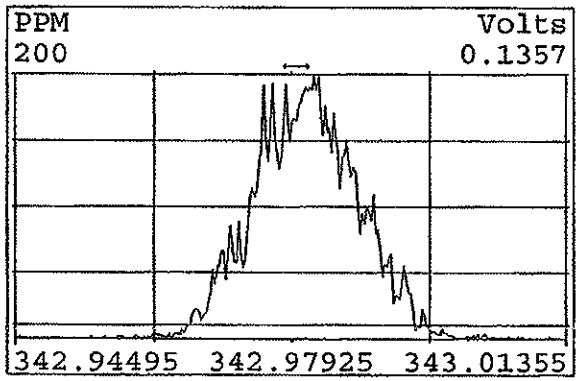
Peak Locate Examination:21-APR-2010:21:16 File:RESCHK21AP105D2
Experiment:DIOXIN Function:1 Reference:PFK

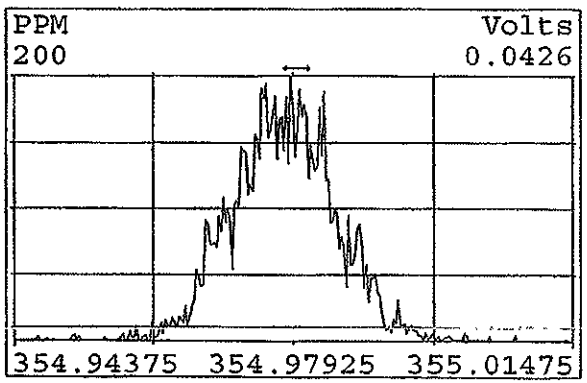


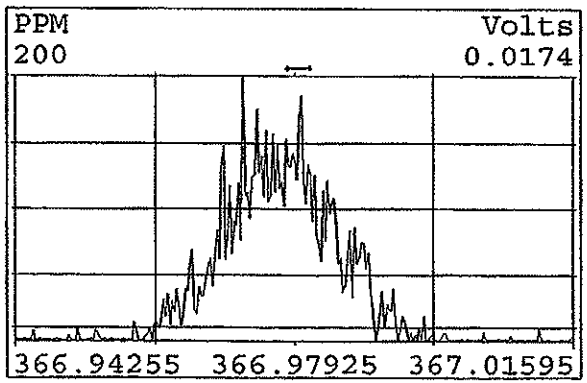


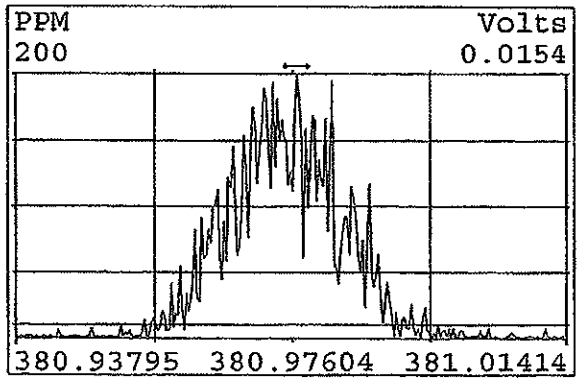




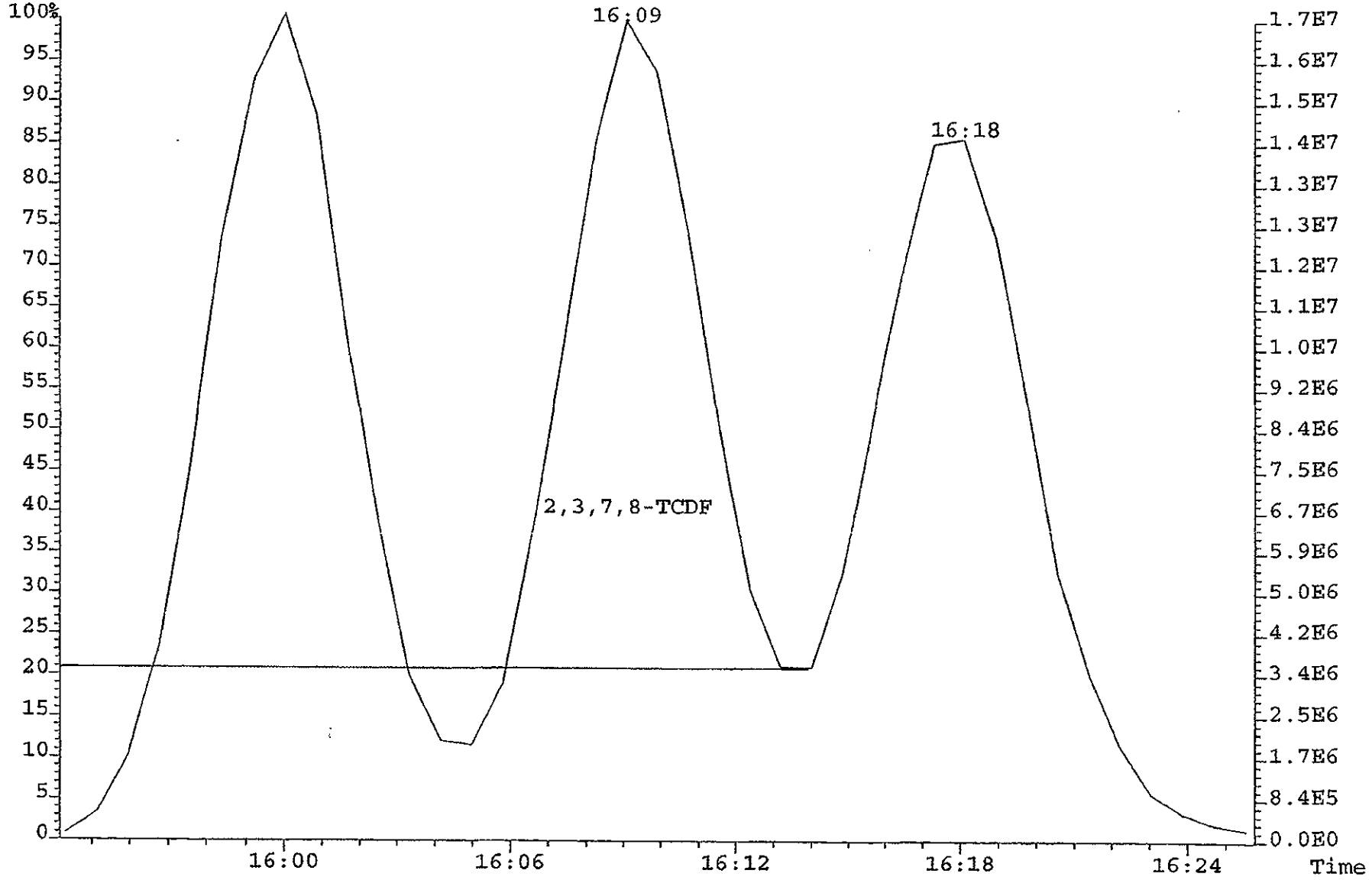








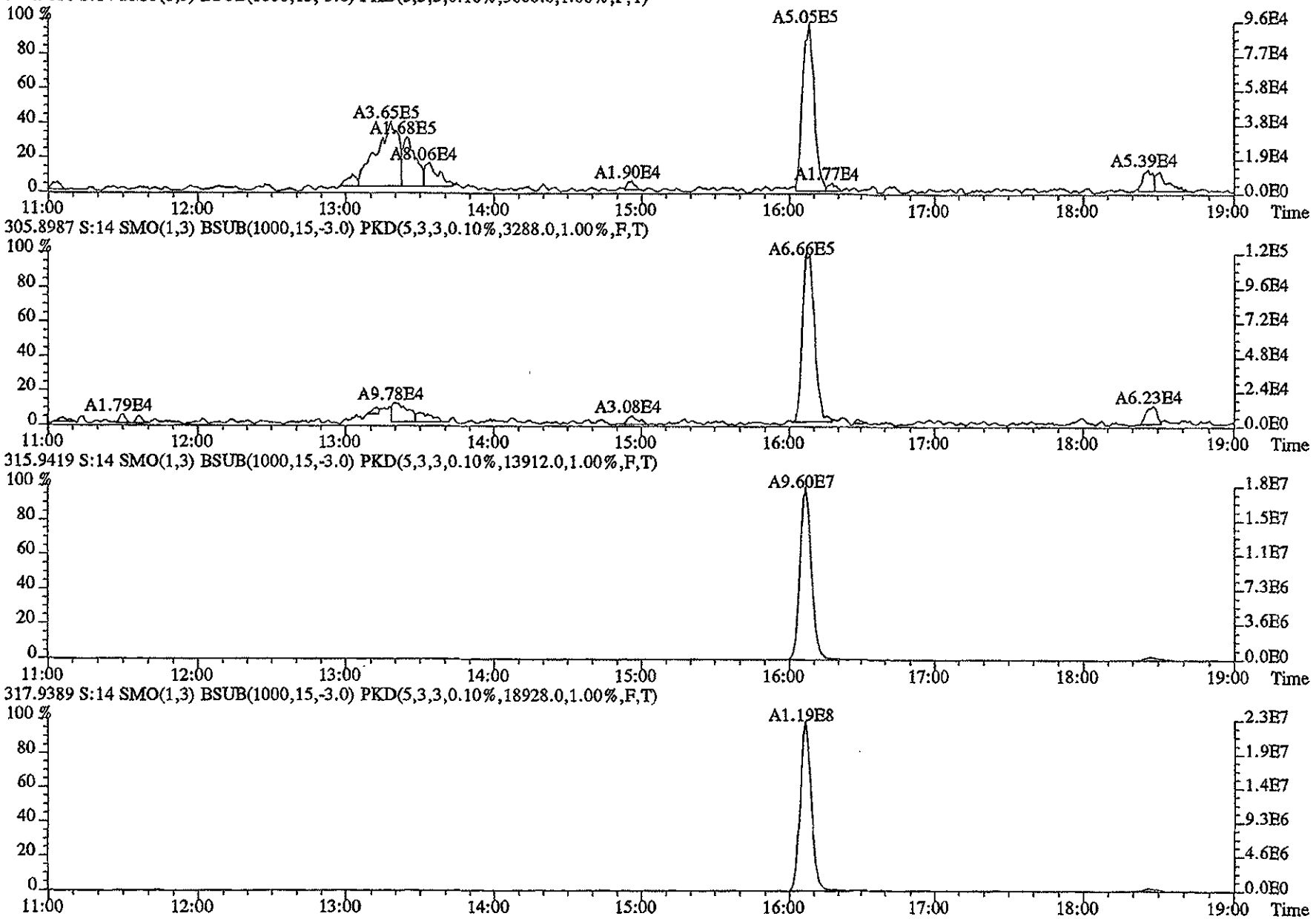
File:21AP105D2 #1-919 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Exp:DIOXIN
305.8987 S:2

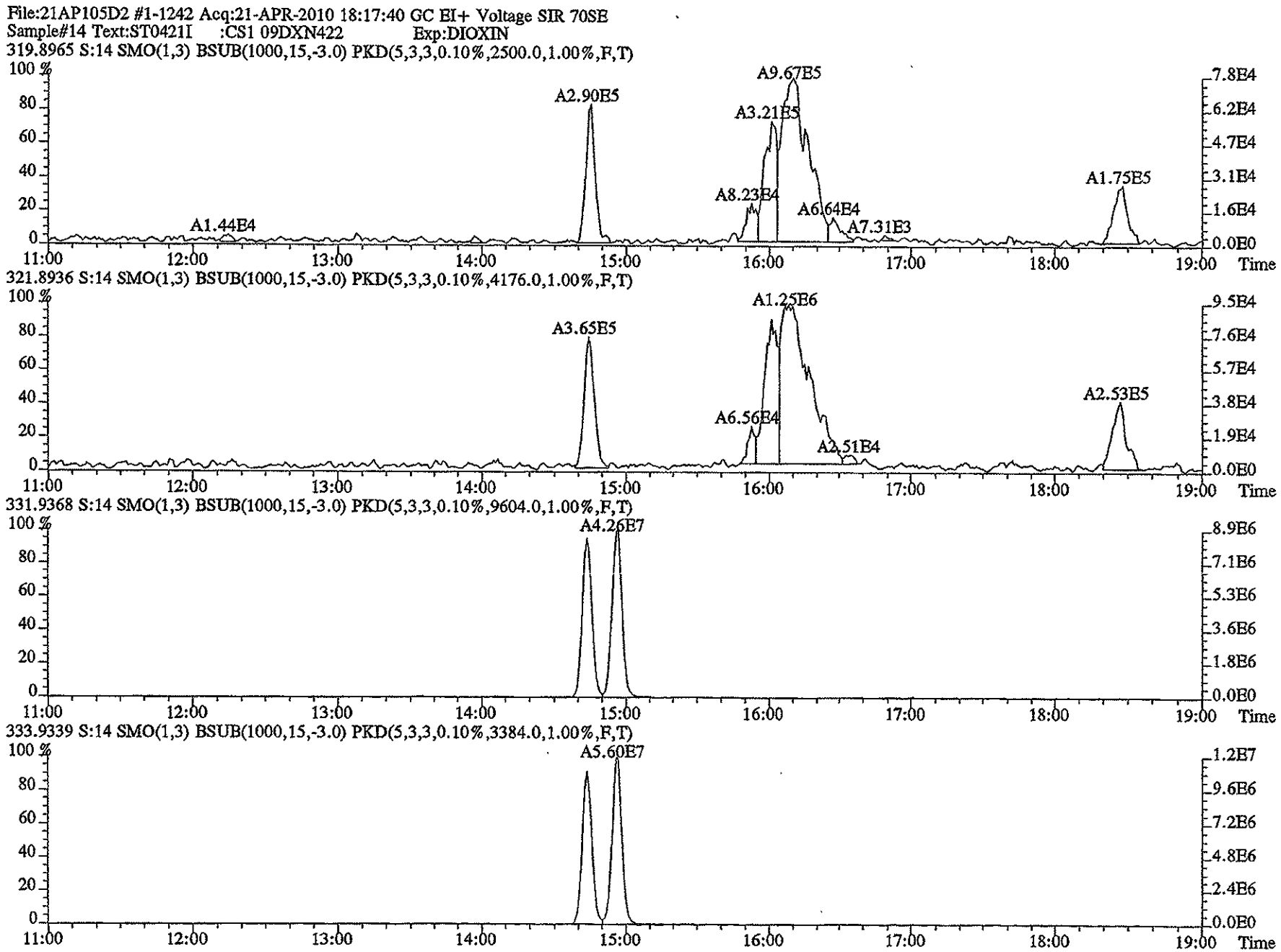


Run text: ST0421L Sample text: ST0421L :2nd Source 09DXN449
Run #6 Filename: 21AP105D2 S: 17 I: 1 Results: 21AP105D2DB225A
Acquired: 21-APR-10 20:08:50 Processed: 23-APR-10 15:30:50
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

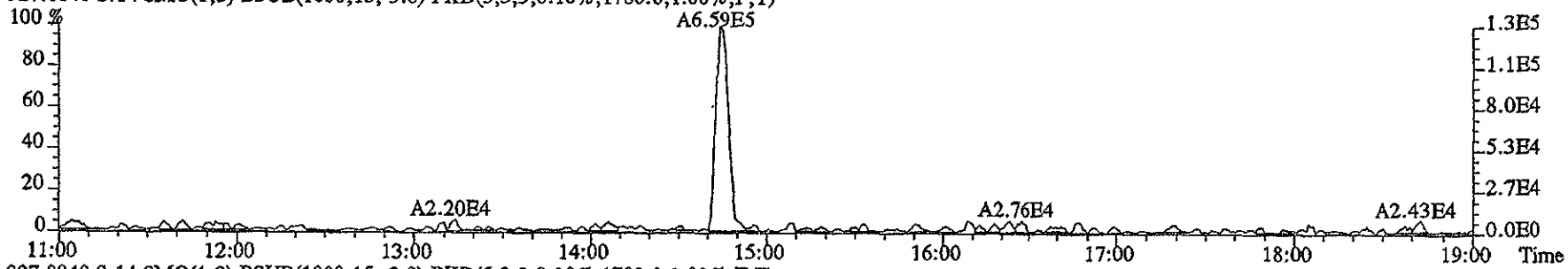
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	92288800	0.77 y	14:57	-	92.77	-	-	n
13C-2,3,7,8-TCDF	210985500	0.84 y	16:08	2.11	2170.78	4.59	108.5	n
2,3,7,8-TCDF	22099440	0.82 y	16:09	1.09	192.46	1.01	-	n
13C-2,3,7,8-TCDD	100543600	0.76 y	14:45	0.95	2297.28	3.52	114.9	n
2,3,7,8-TCDD	13155960	0.84 y	14:46	1.36	192.81	1.44	-	n
37Cl-2,3,7,8-TCDD	23374800	1.00 y	14:46	2.28	222.36	0.33	111.2	n

File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN

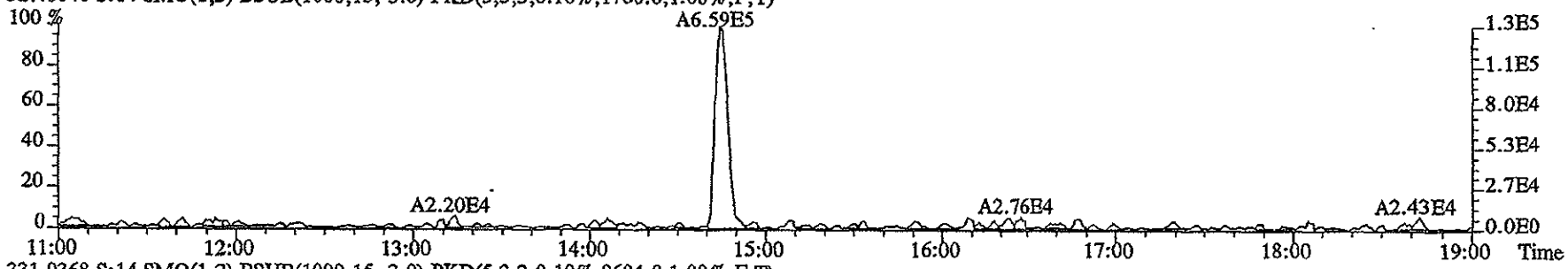




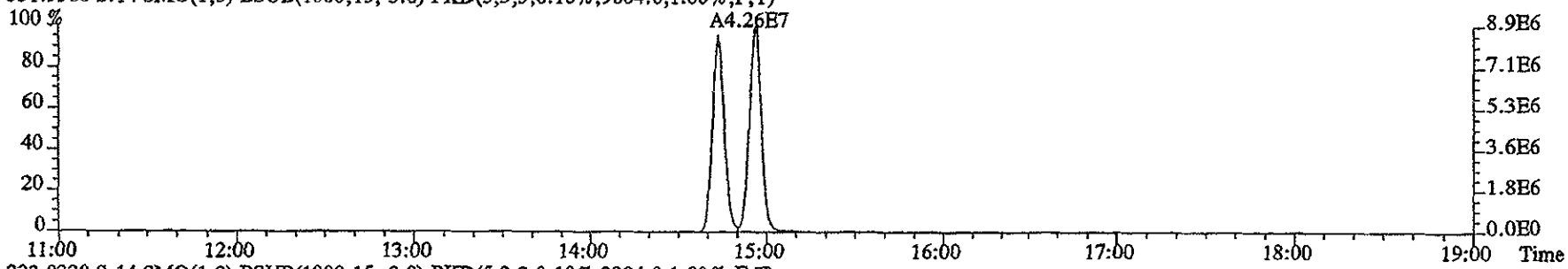
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)



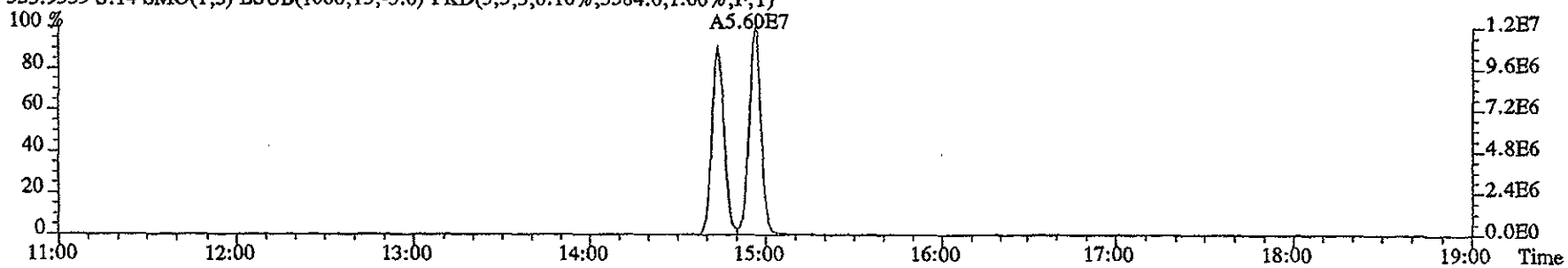
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)

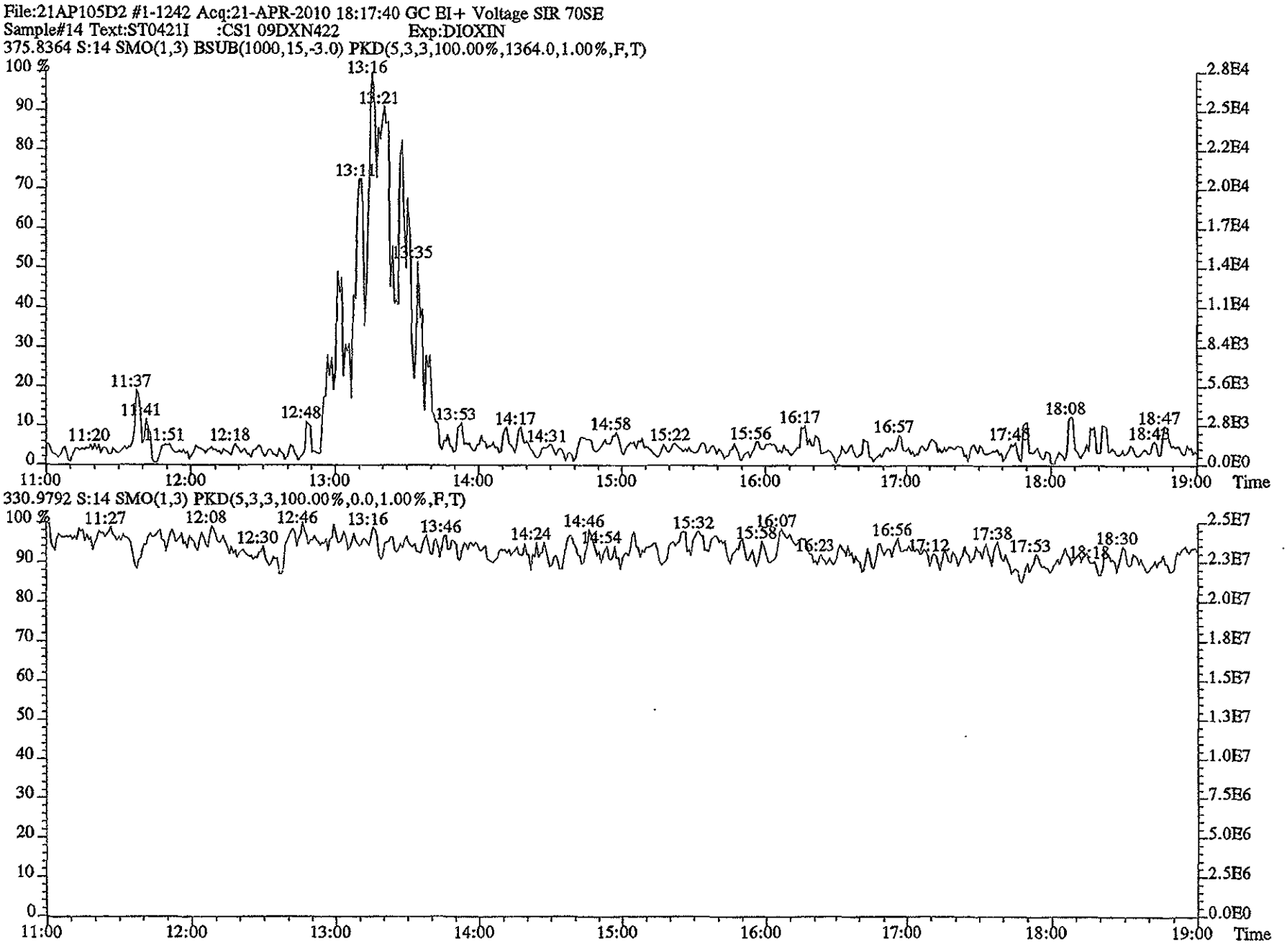


331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9604.0,1.00%,F,T)

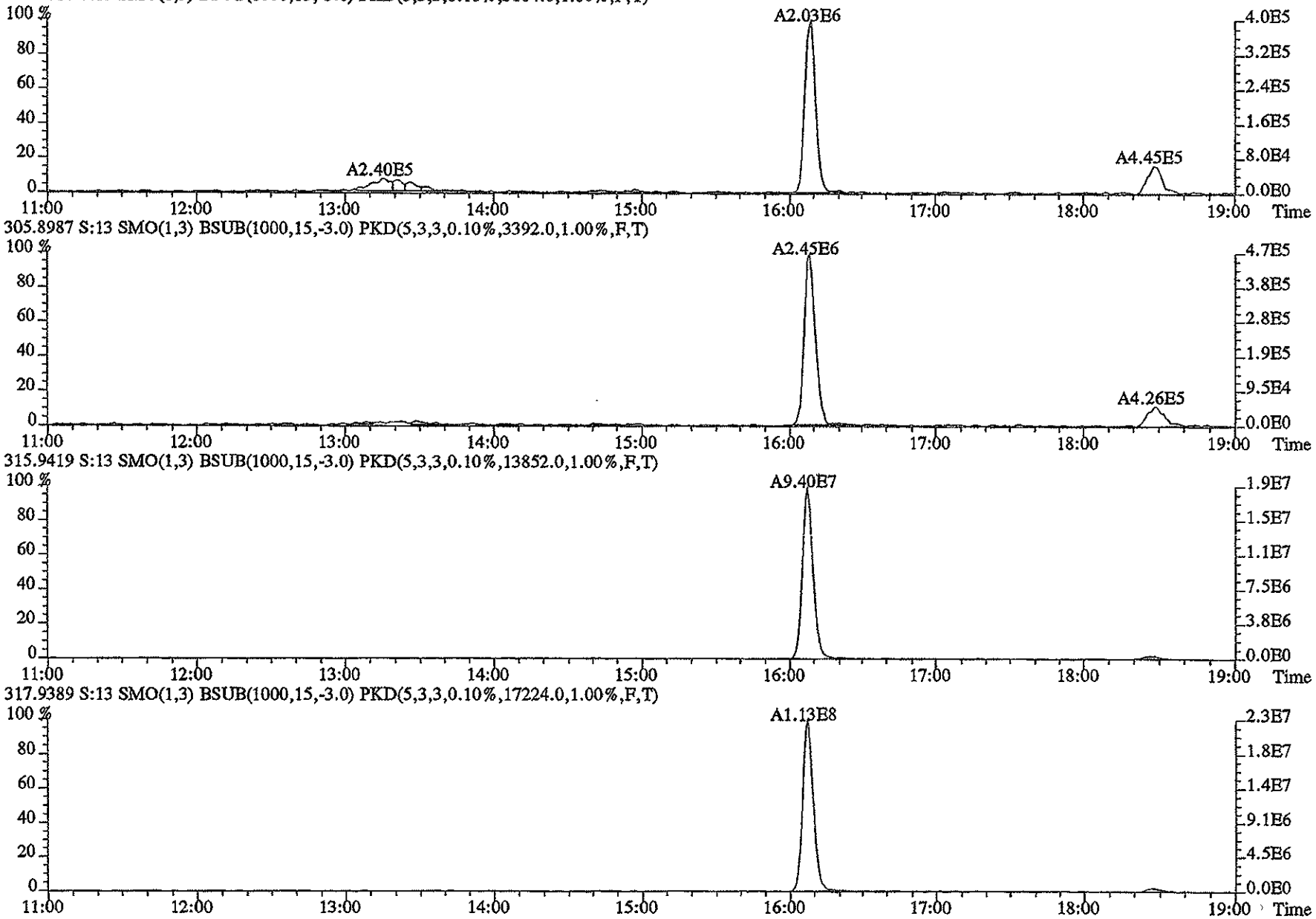


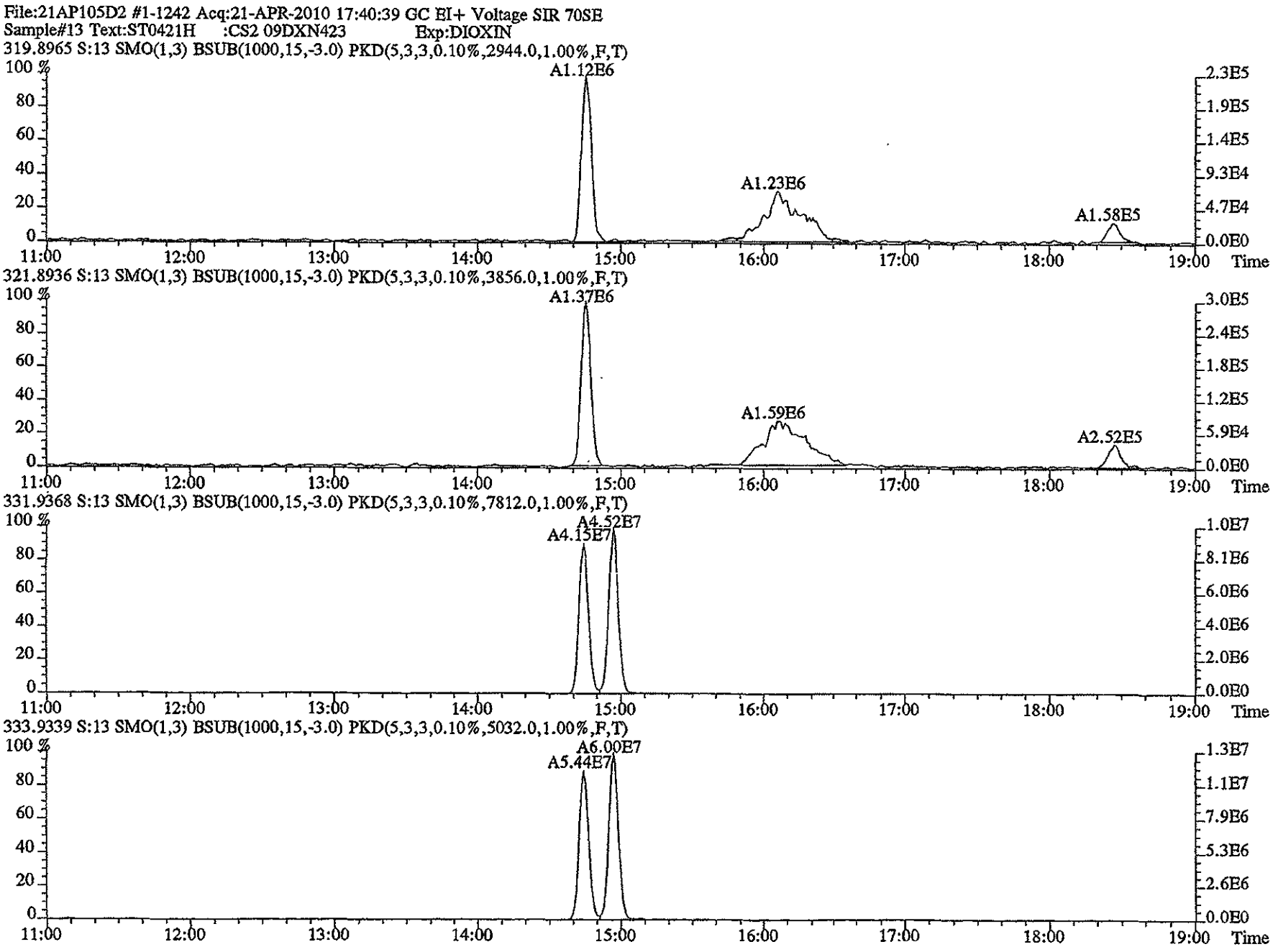
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3384.0,1.00%,F,T)



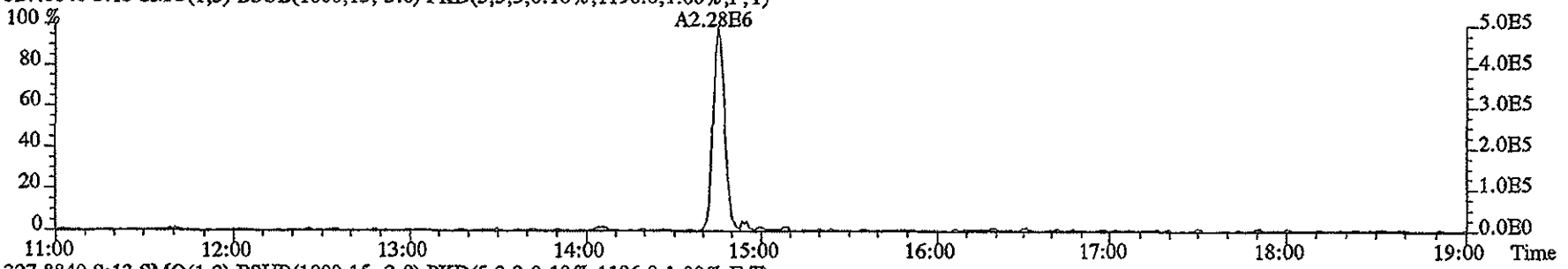


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN

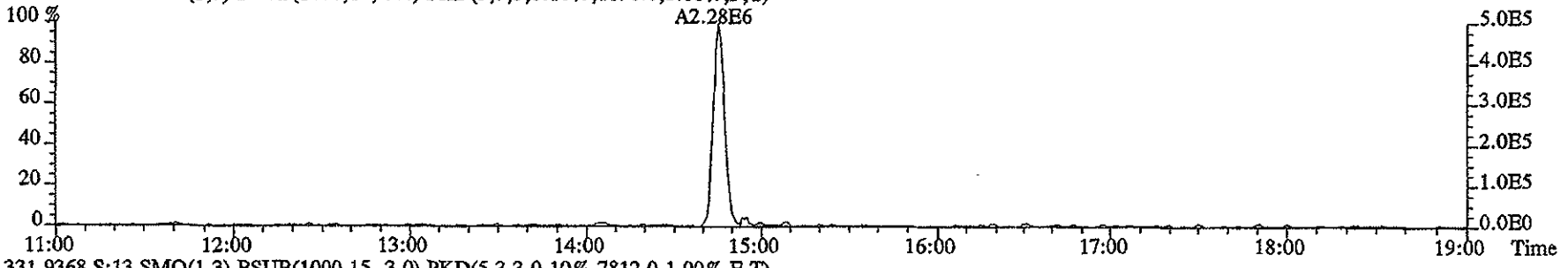




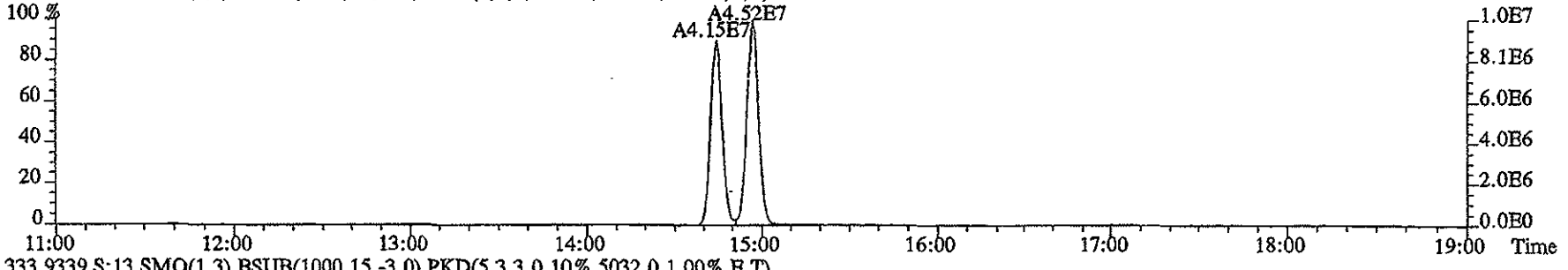
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)



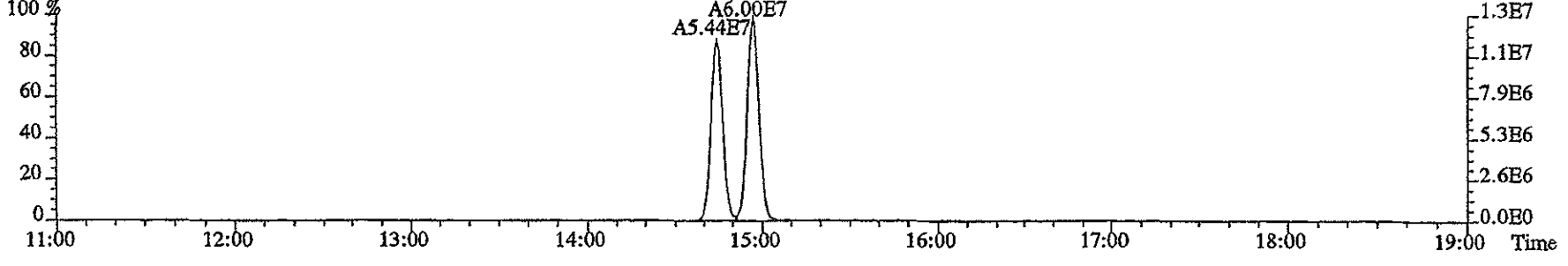
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)



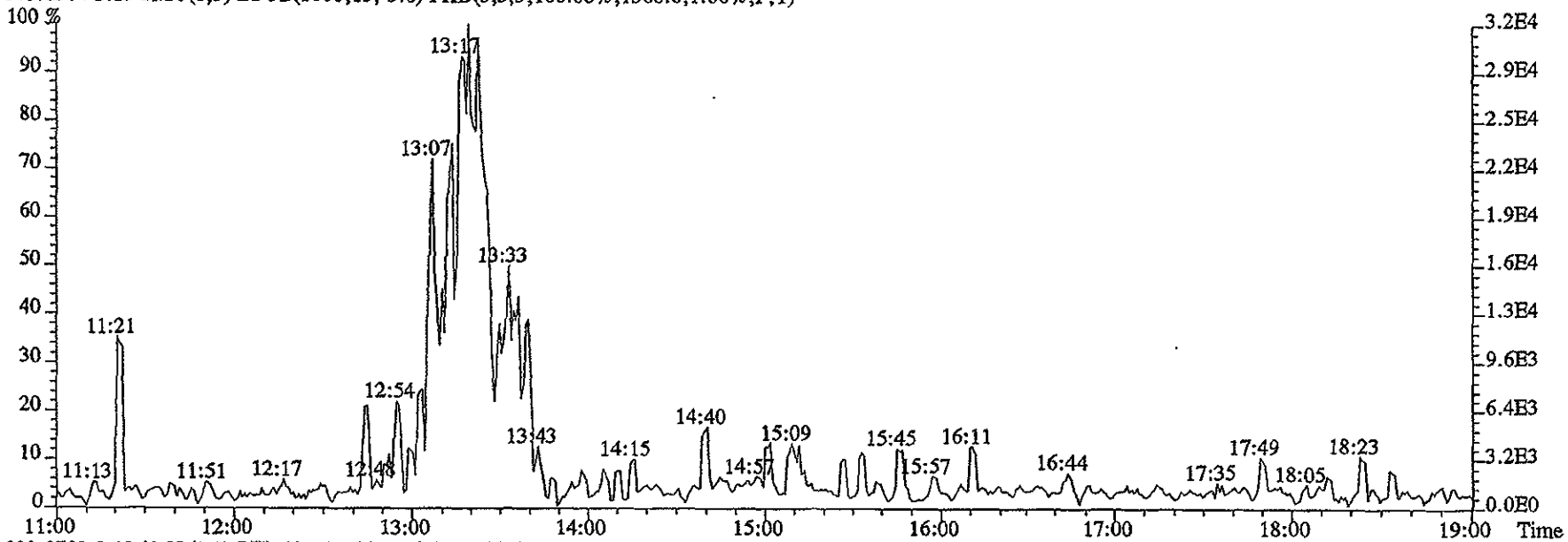
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7812.0,1.00%,F,T)



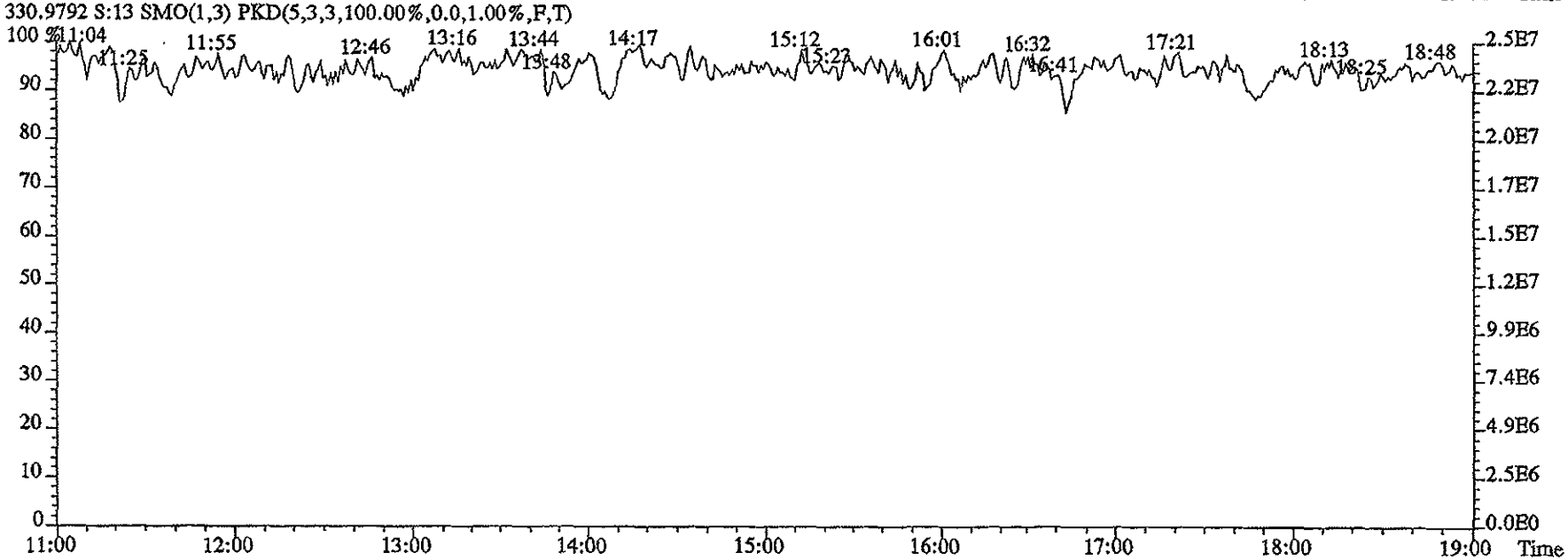
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5032.0,1.00%,F,T)



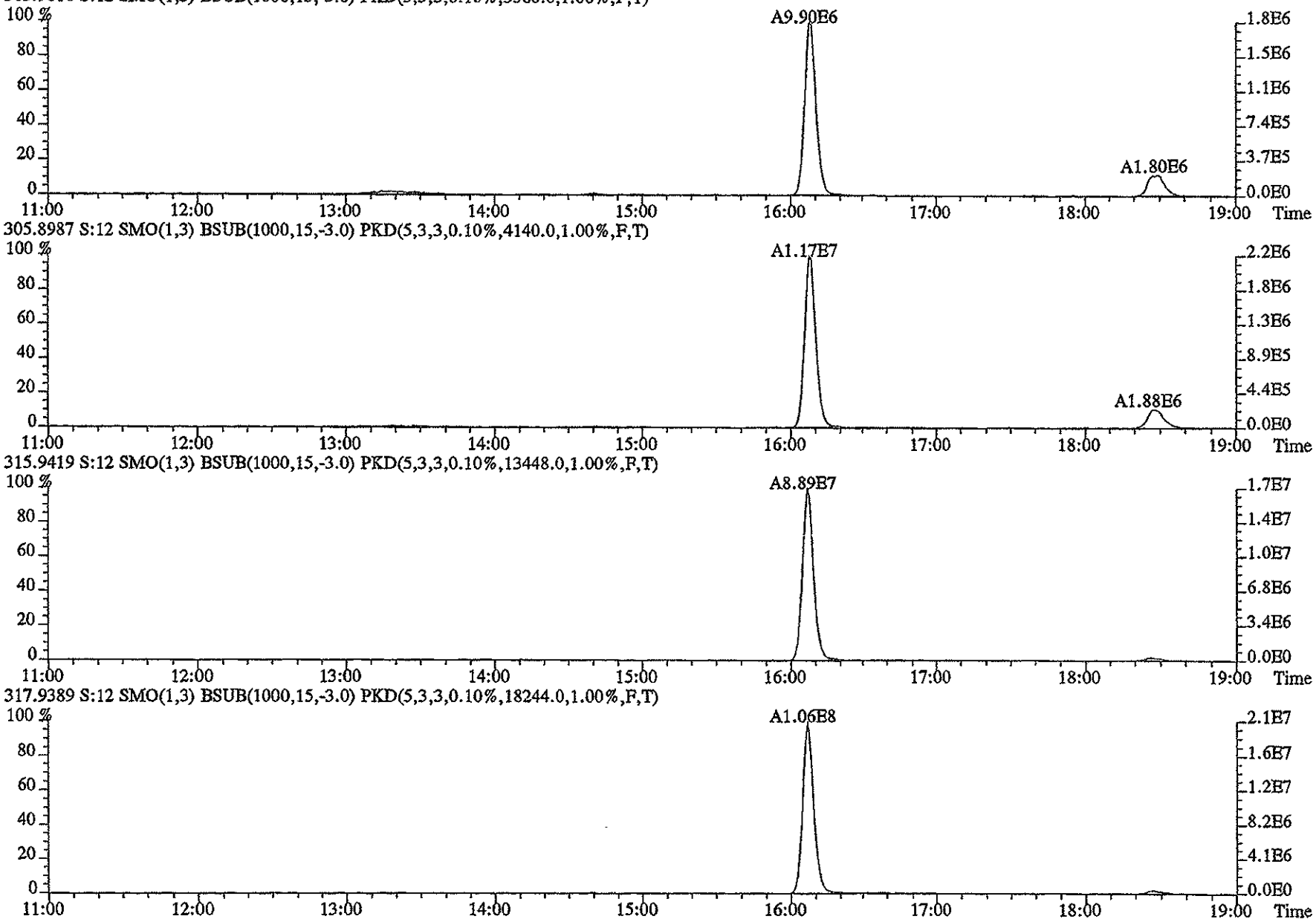
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



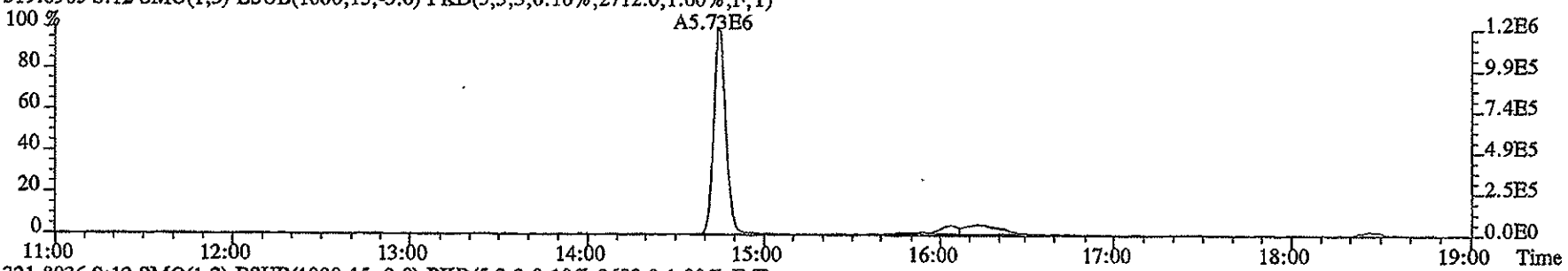
330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



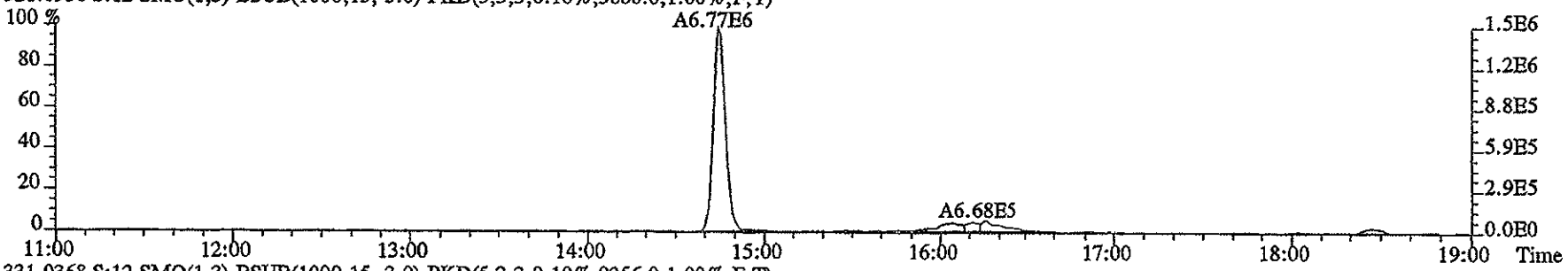
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN



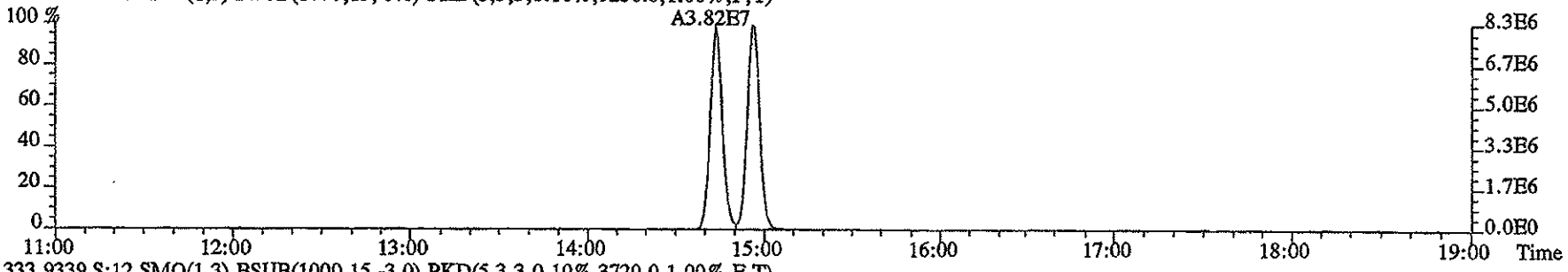
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
319.8965 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2712.0,1.00%,F,T)



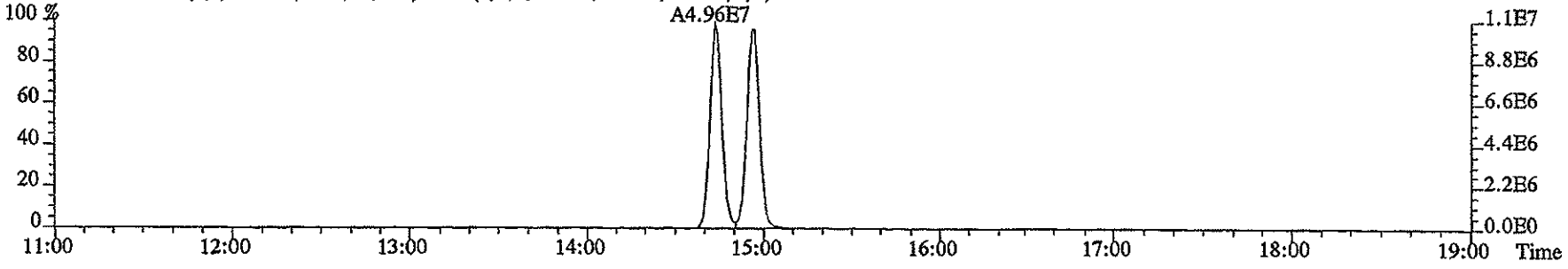
321.8936 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)



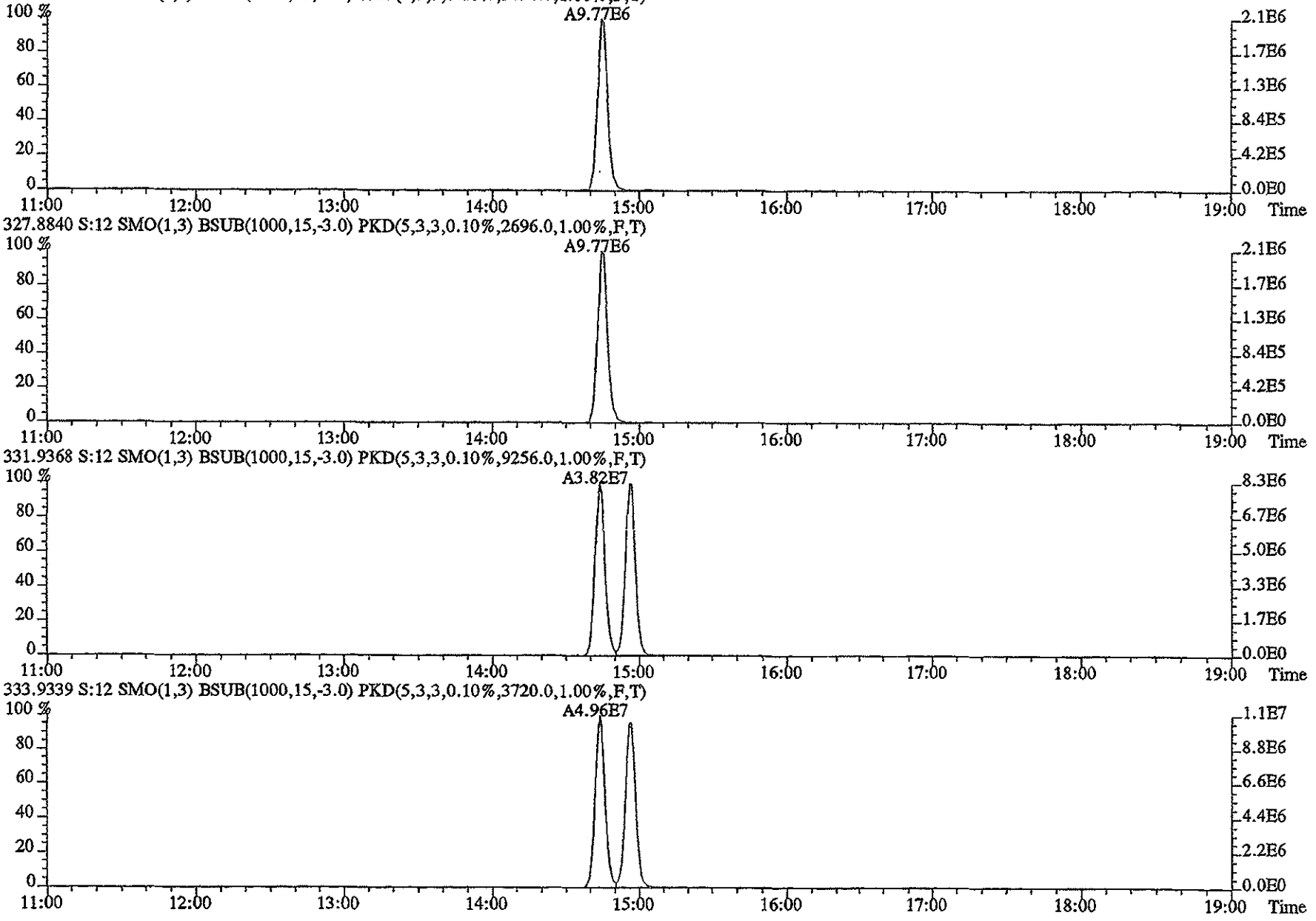
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9256.0,1.00%,F,T)

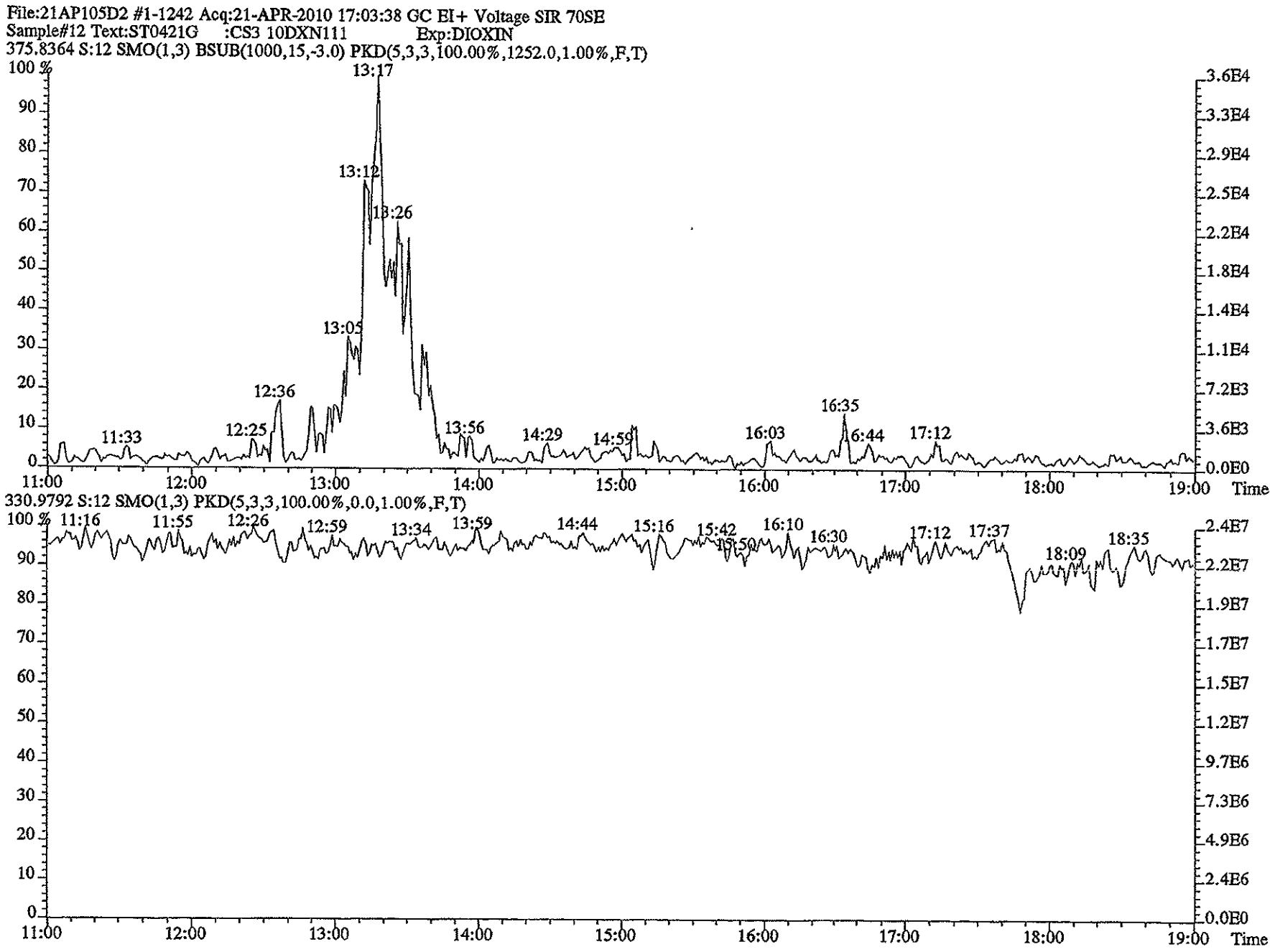


333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)



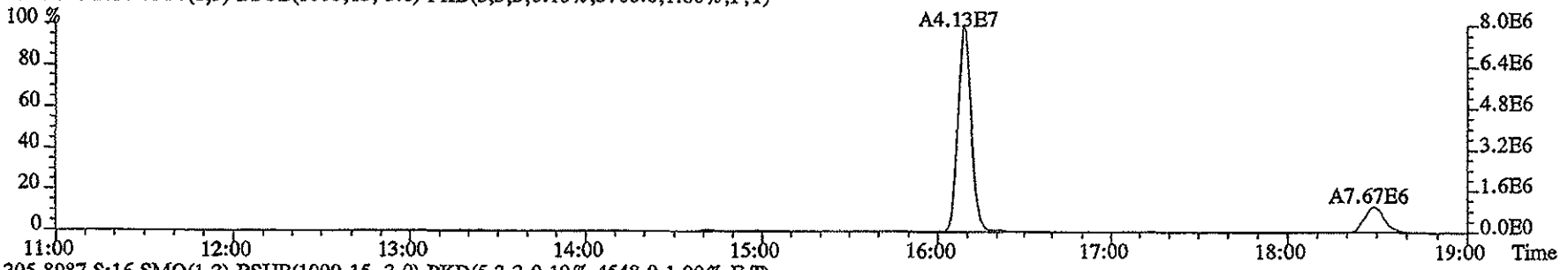
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN



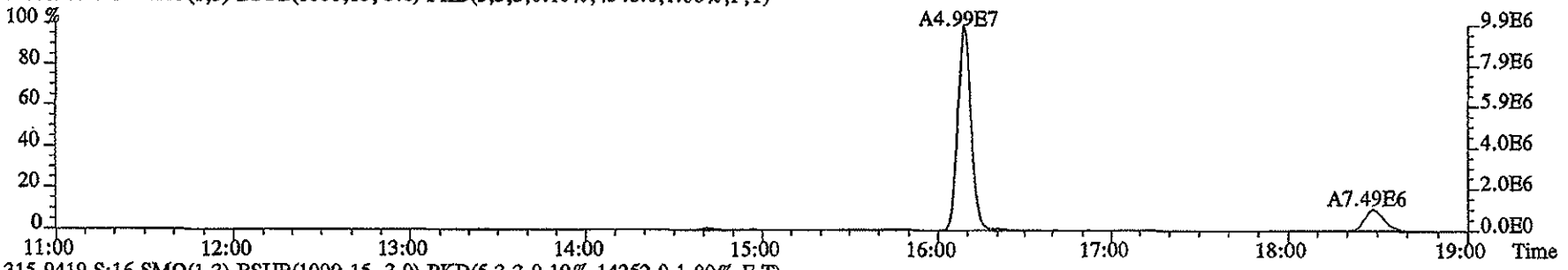


File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN

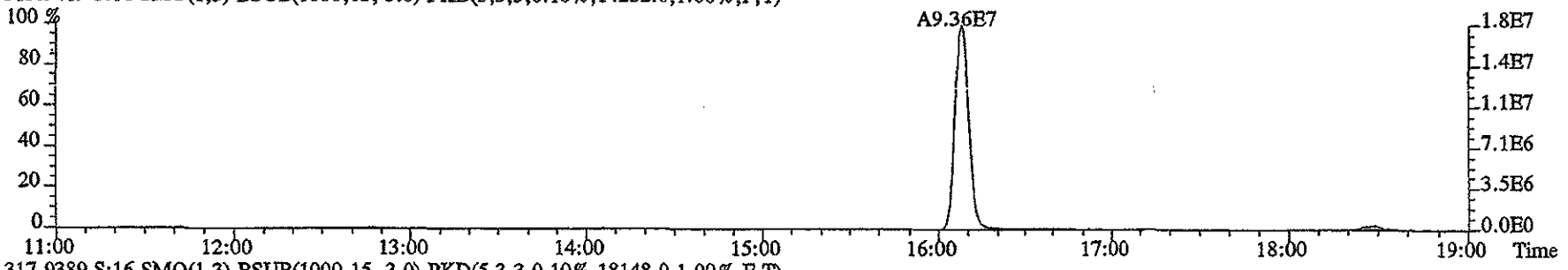
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3760.0,1.00%,F,T)



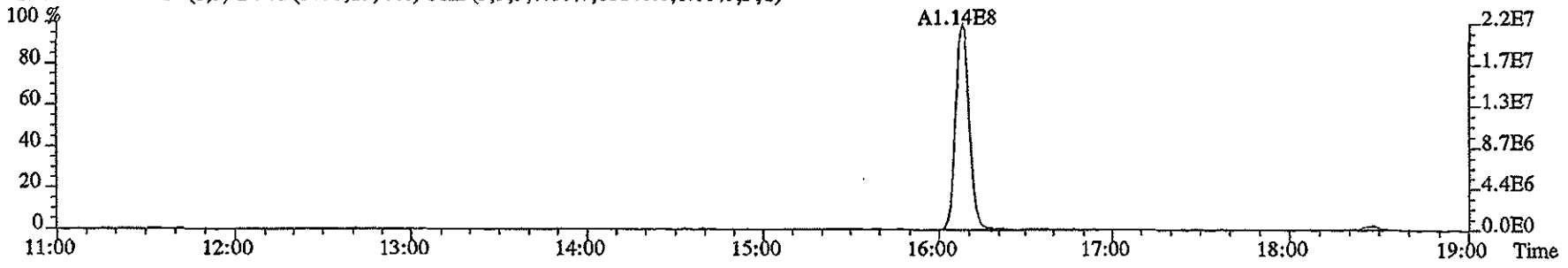
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)



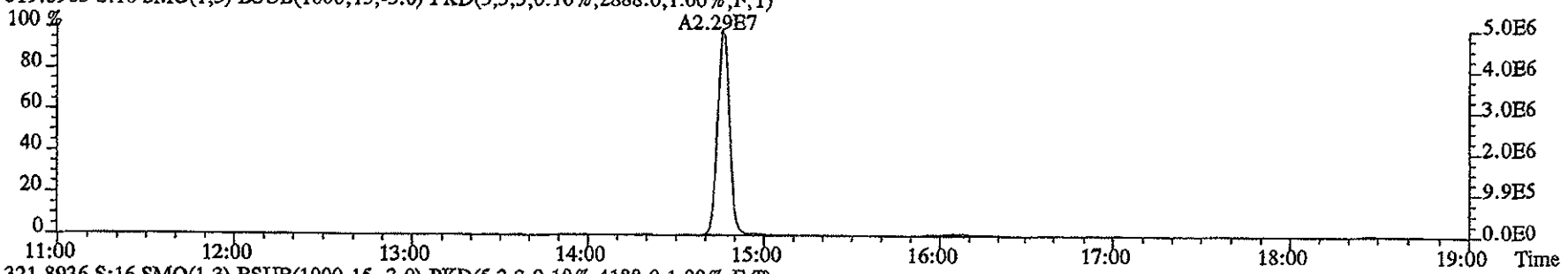
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14252.0,1.00%,F,T)



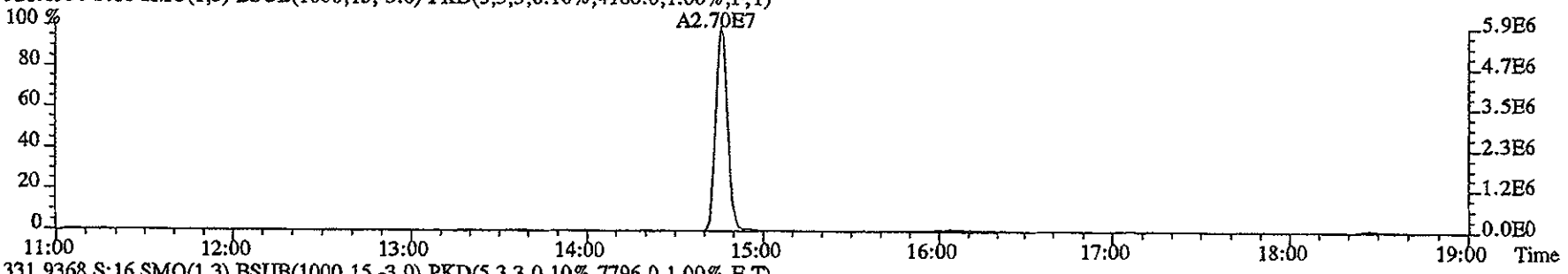
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18148.0,1.00%,F,T)



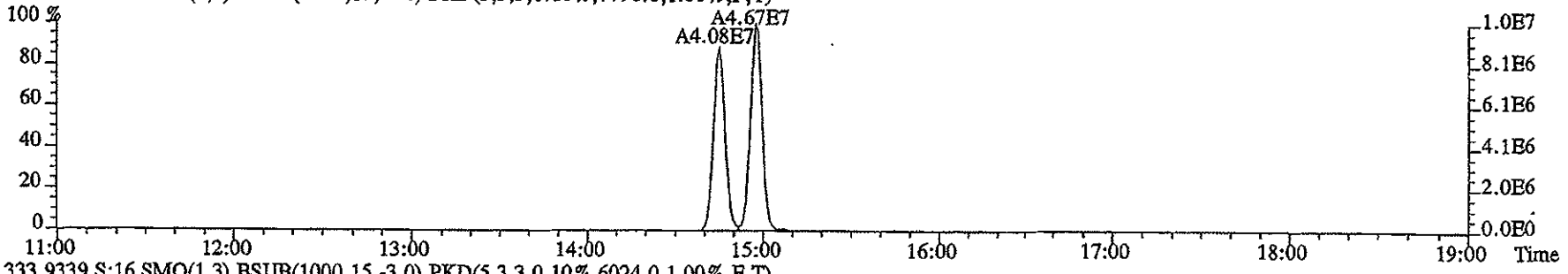
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2888.0,1.00%,F,T)



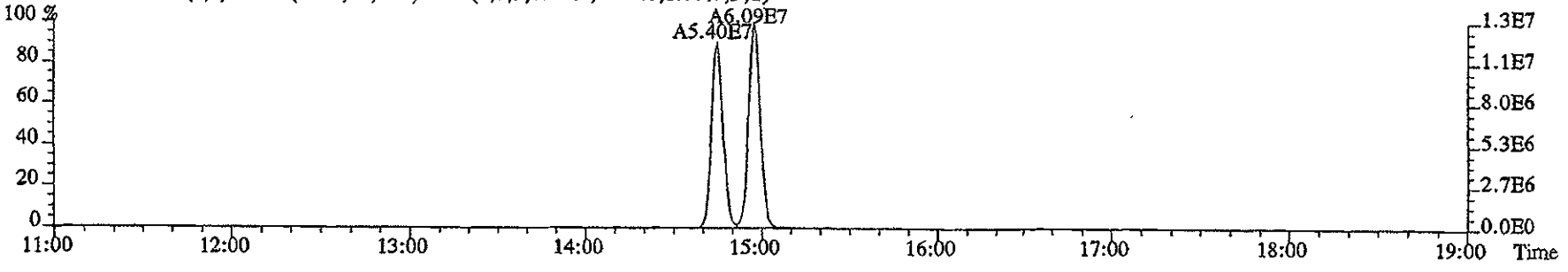
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4188.0,1.00%,F,T)



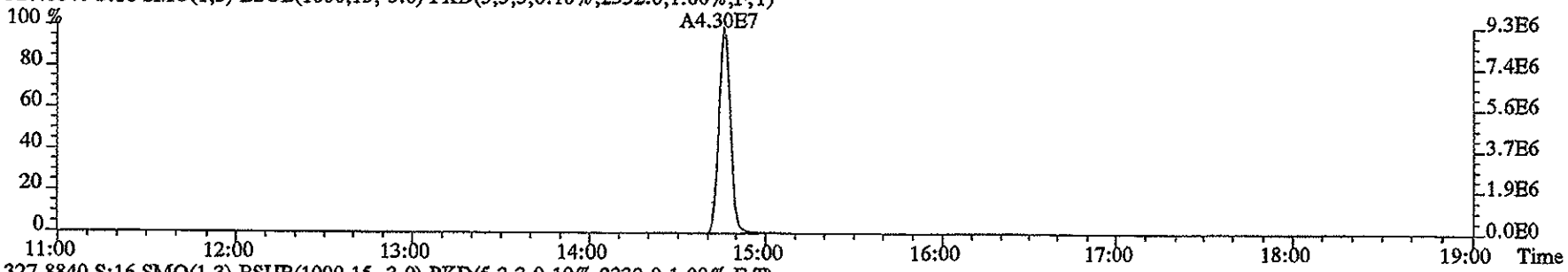
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7796.0,1.00%,F,T)



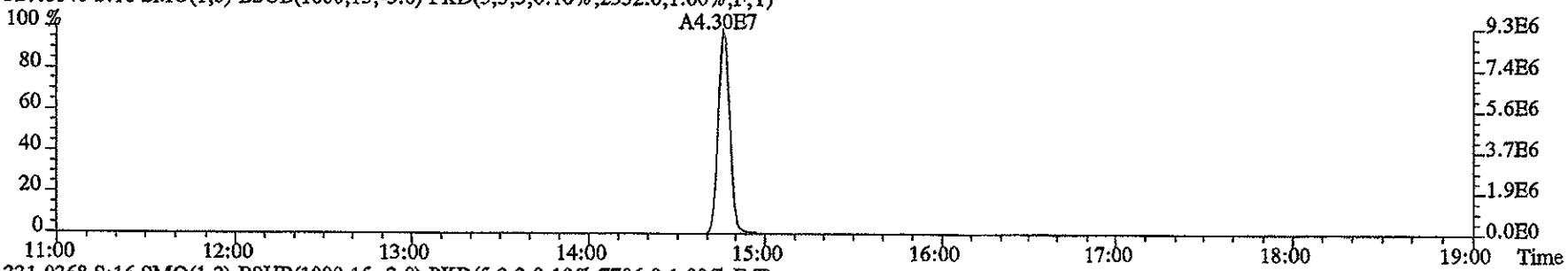
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)



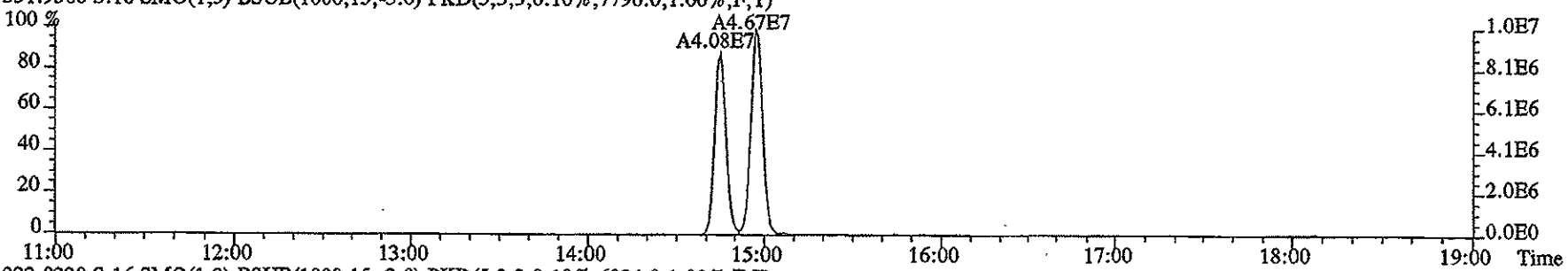
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)



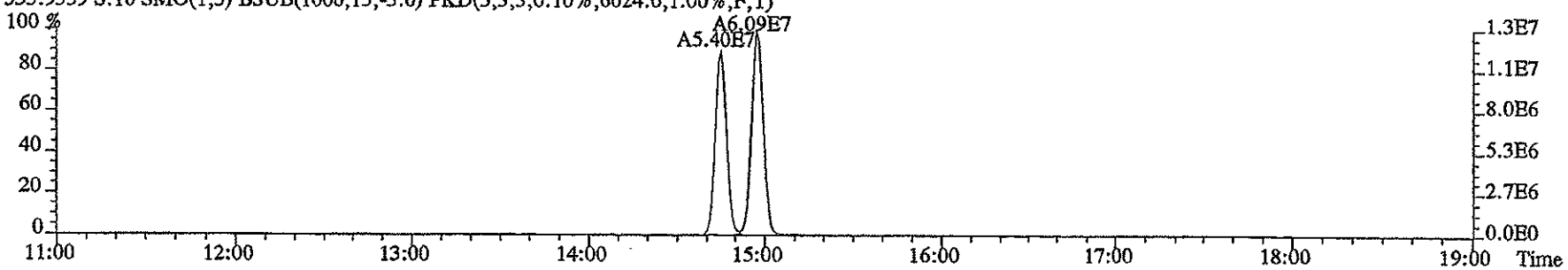
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)

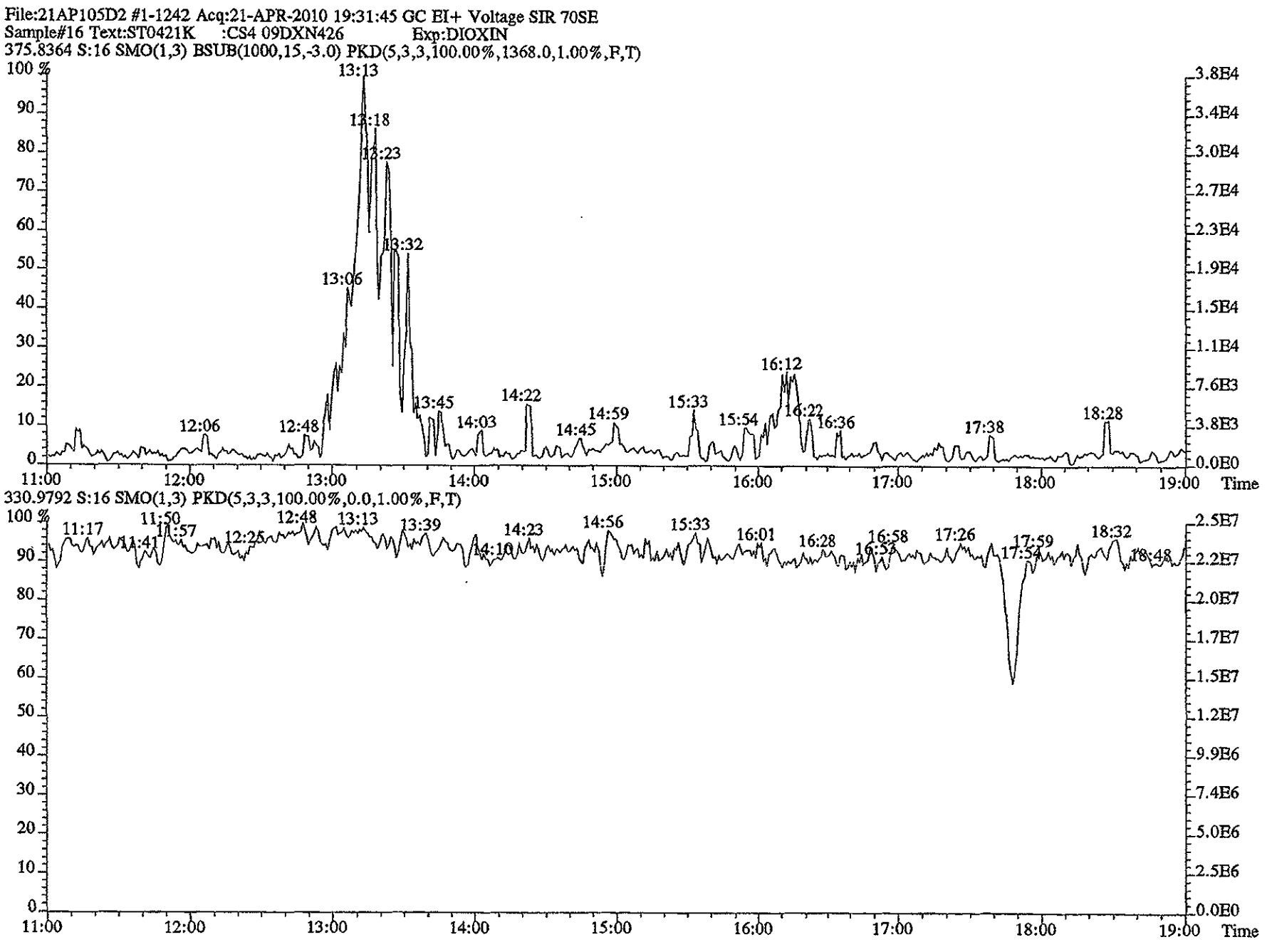


331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7796.0,1.00%,F,T)

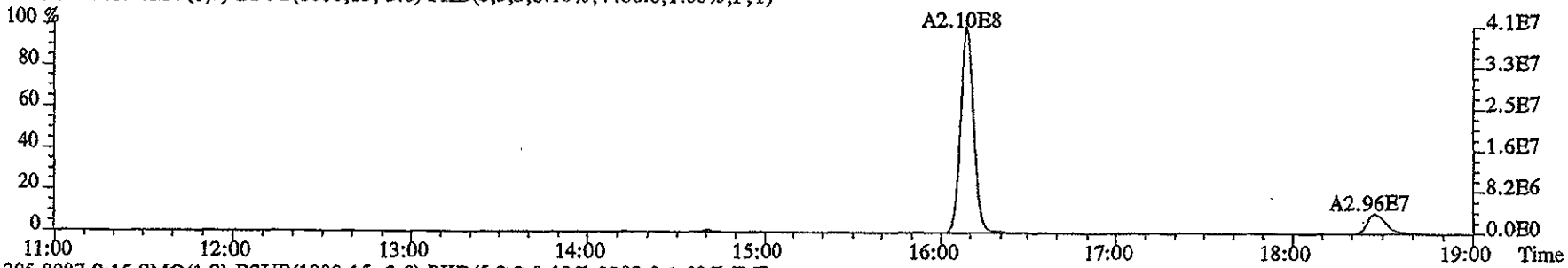


333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)

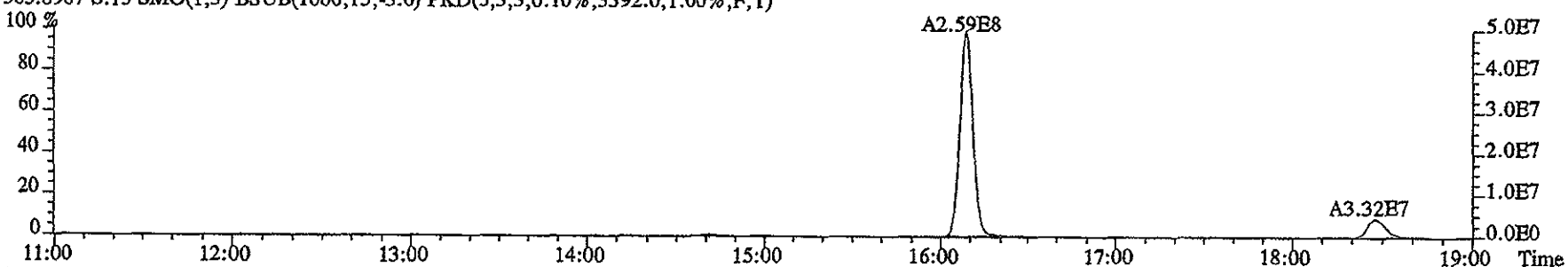



File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
13:13
13:18
13:23
13:32
13:06
12:06
12:48
13:45
14:03
14:22
14:45
14:59
15:33
15:54
16:12
16:22
16:36
17:38
18:28
3.8E4
3.4E4
3.0E4
2.7E4
2.3E4
1.9E4
1.5E4
1.1E4
7.6E3
3.8E3
0.0E0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
330.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
11:17
11:41
11:50
11:57
12:25
12:48
13:13
13:39
14:10
14:23
14:56
15:33
16:01
16:28
16:58
17:26
17:54
17:59
18:32
18:48
2.5E7
2.2E7
2.0E7
1.7E7
1.5E7
1.2E7
9.9E6
7.4E6
5.0E6
2.5E6
0.0E0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time

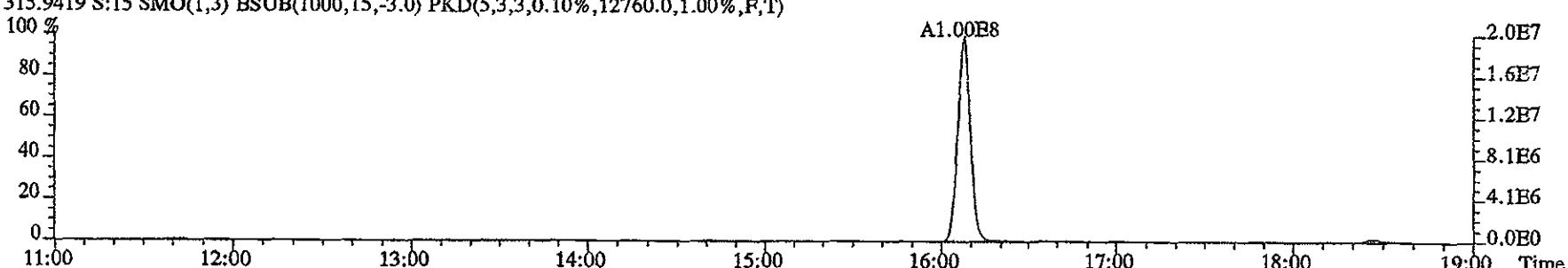
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SB
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4480.0,1.00%,F,T)



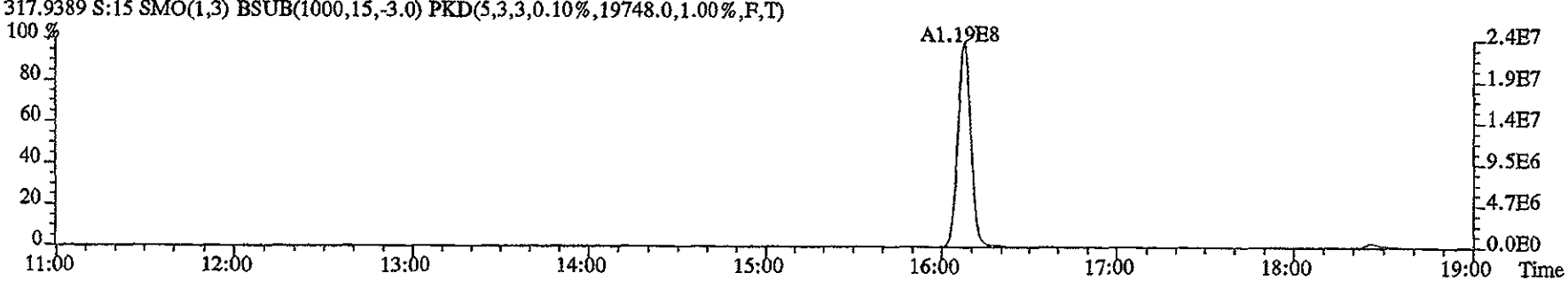
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3392.0,1.00%,F,T)



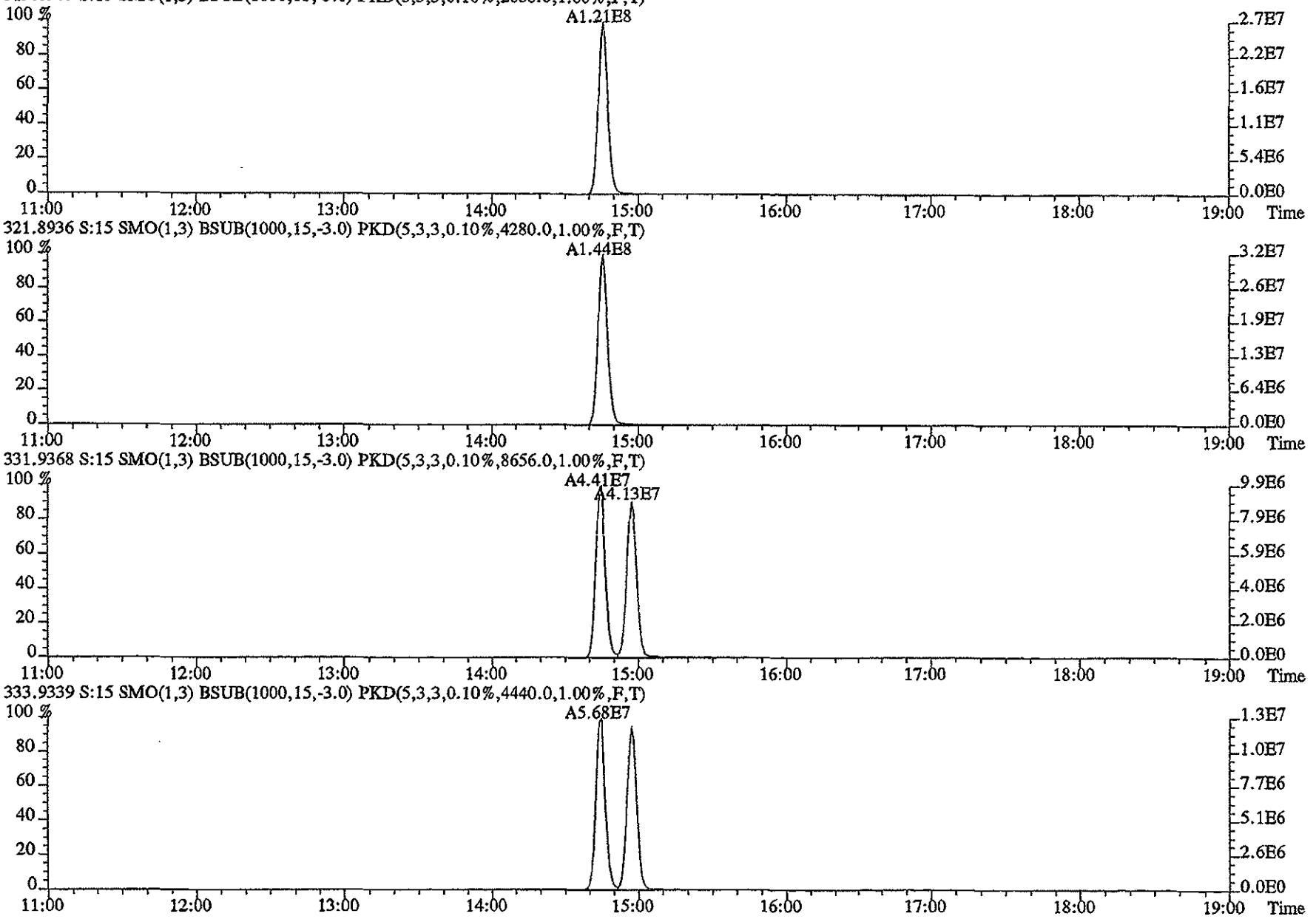
315.9419 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12760.0,1.00%,F,T)



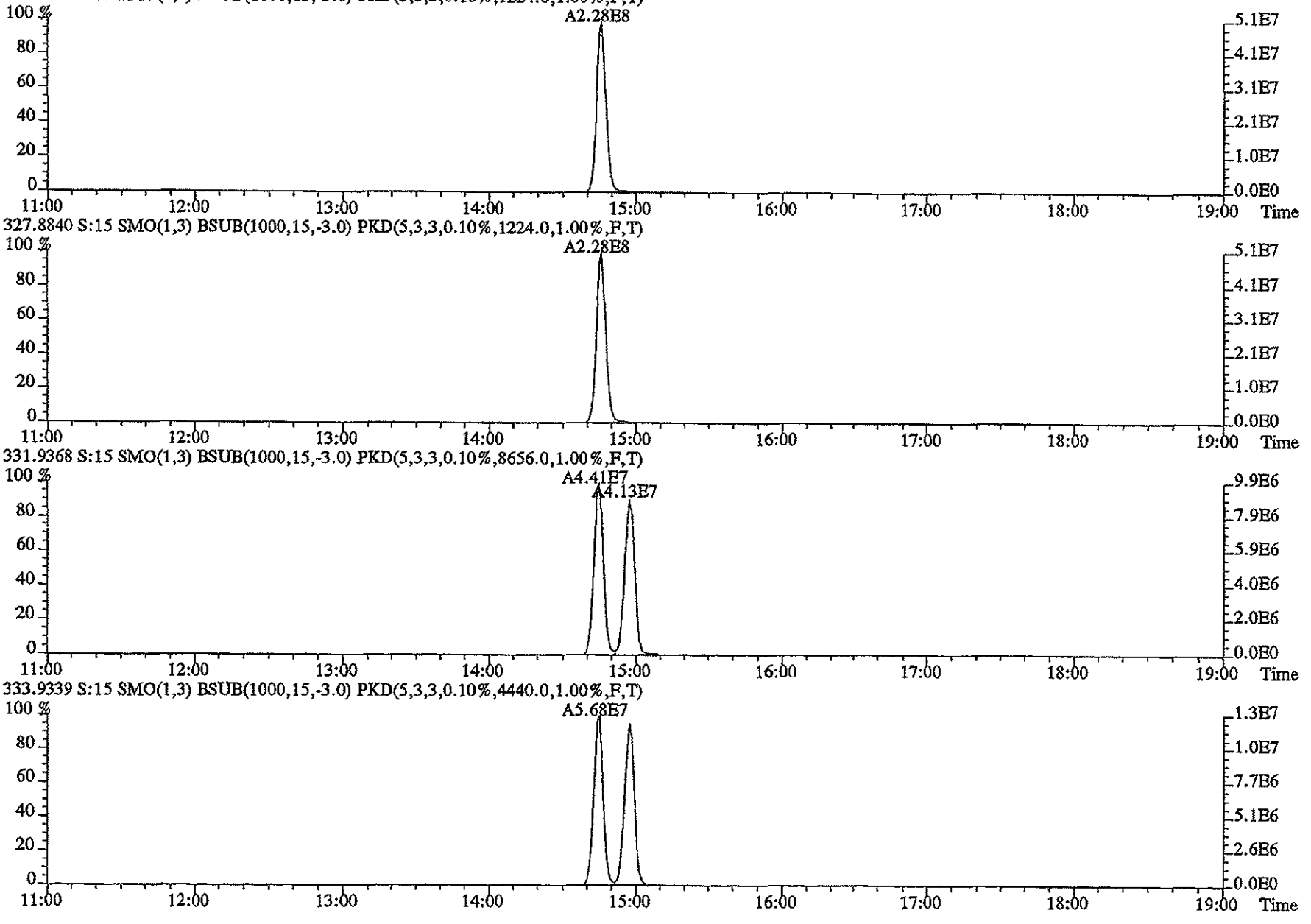
317.9389 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19748.0,1.00%,F,T)

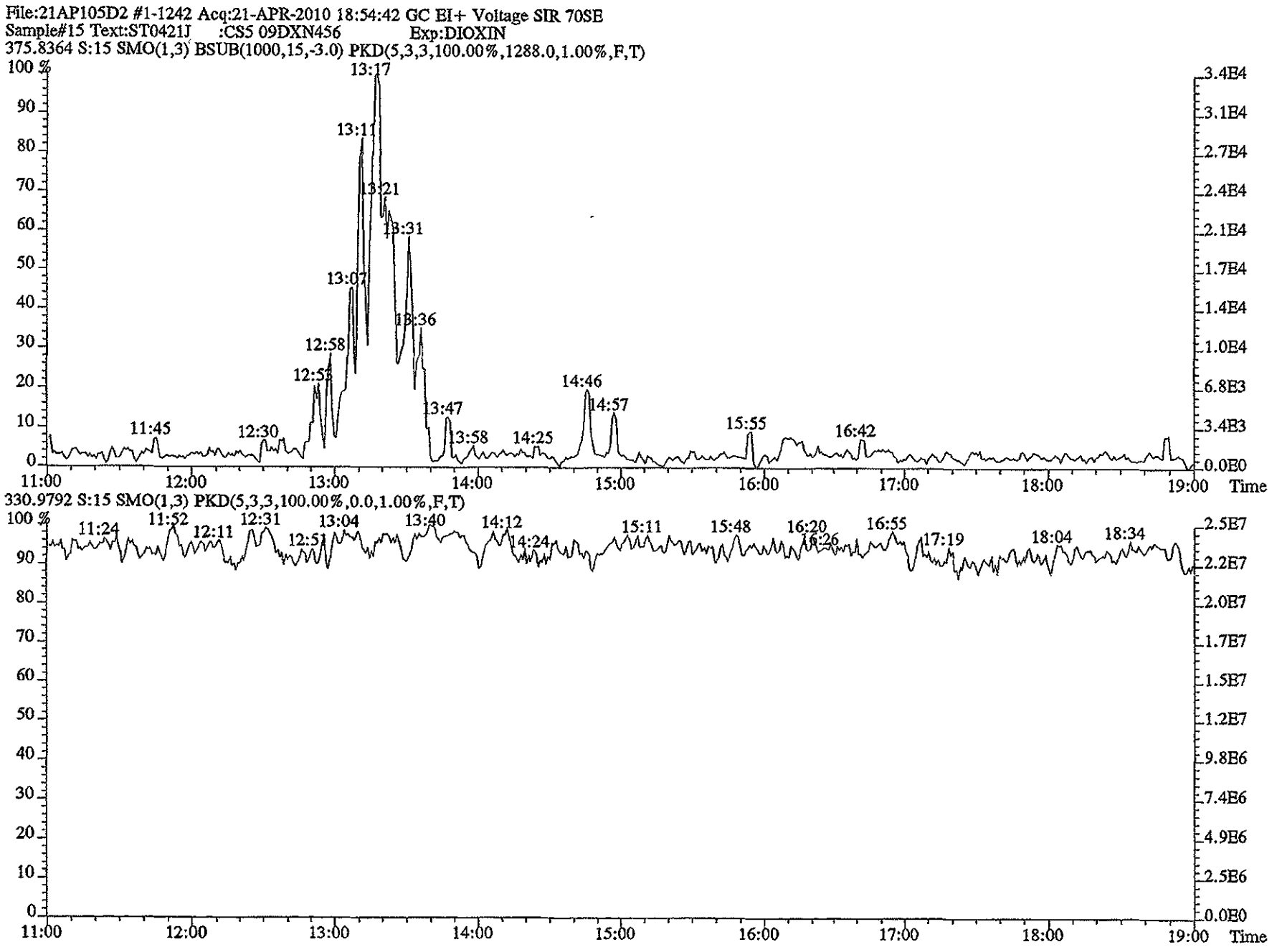


File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN

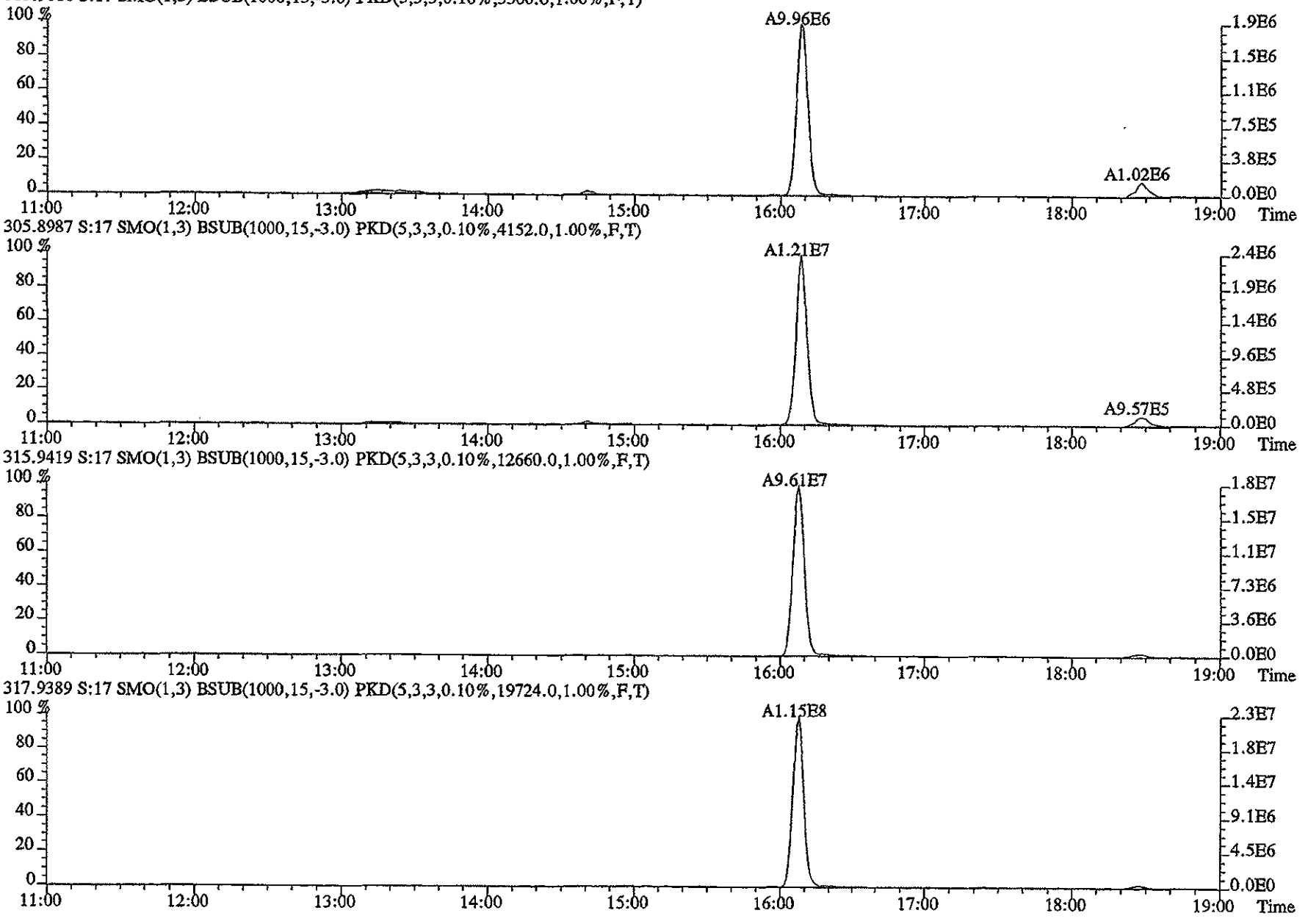


File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN

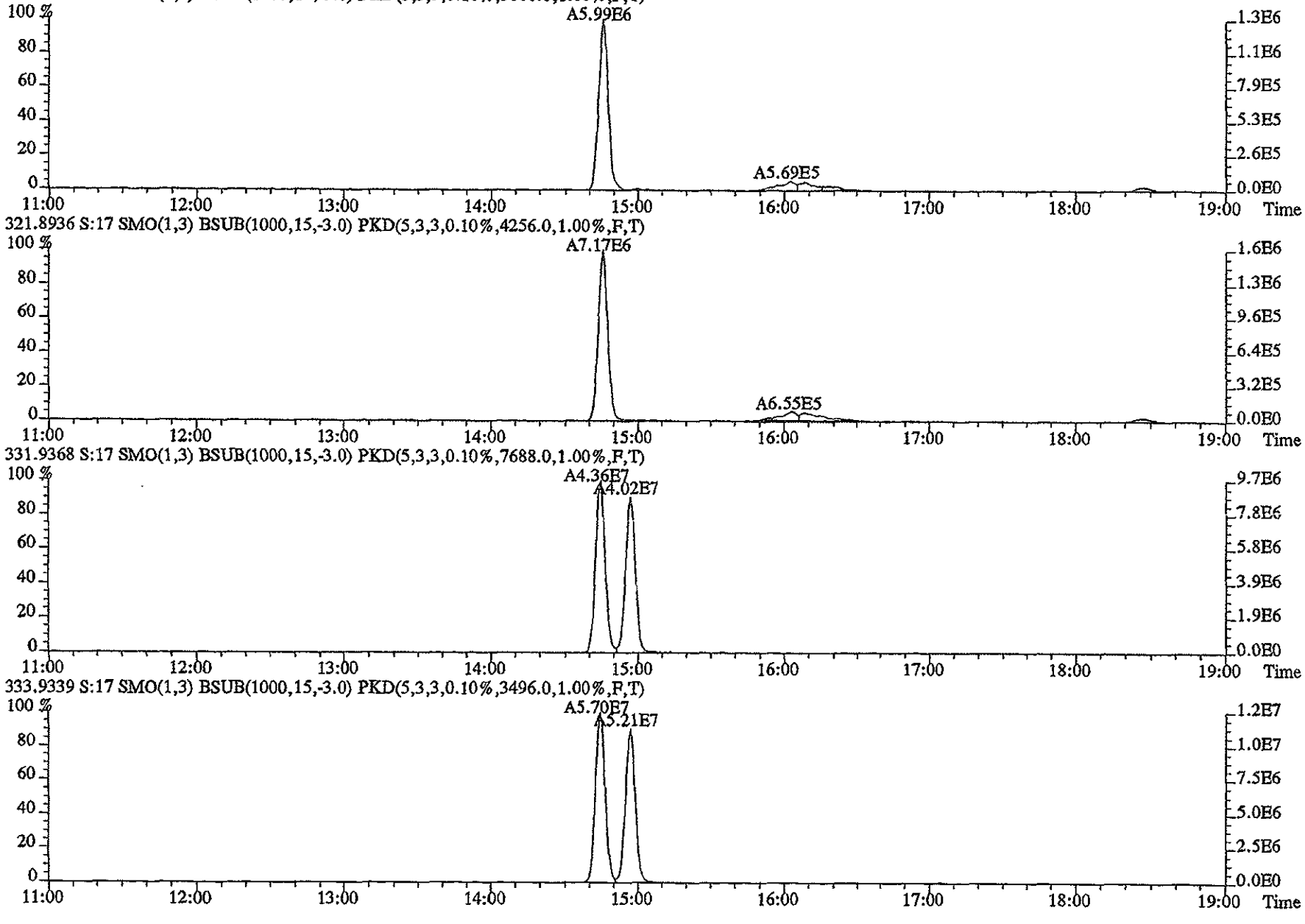




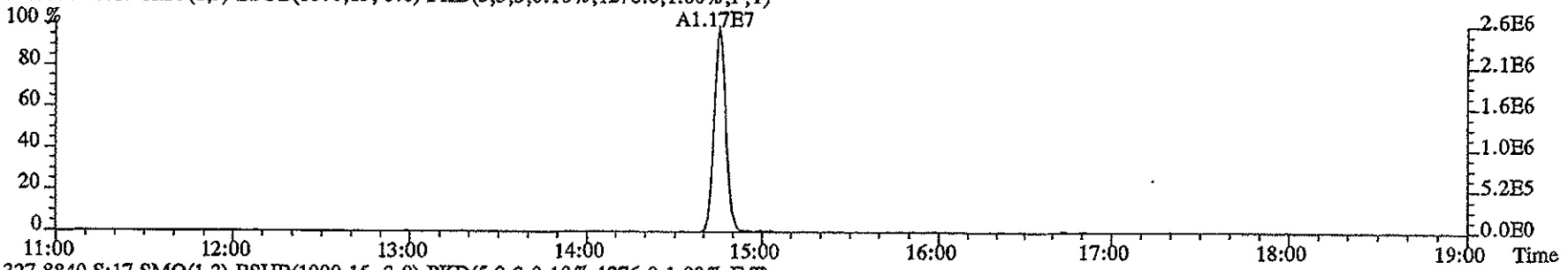
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN



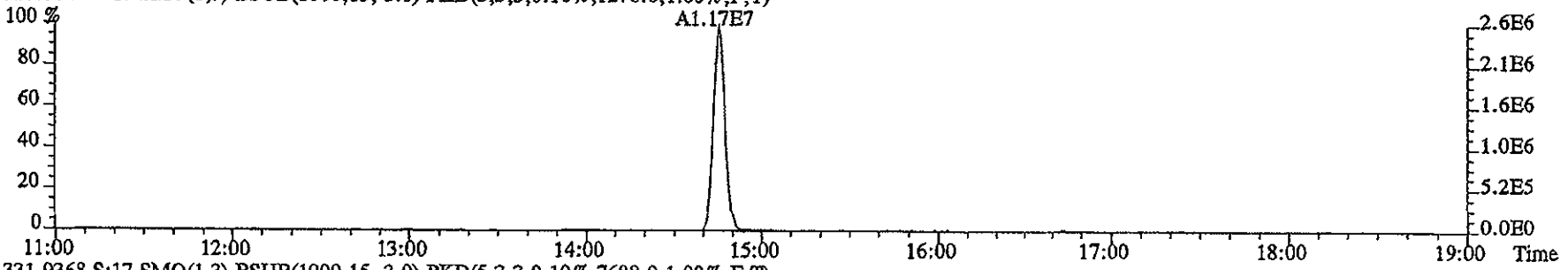
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN



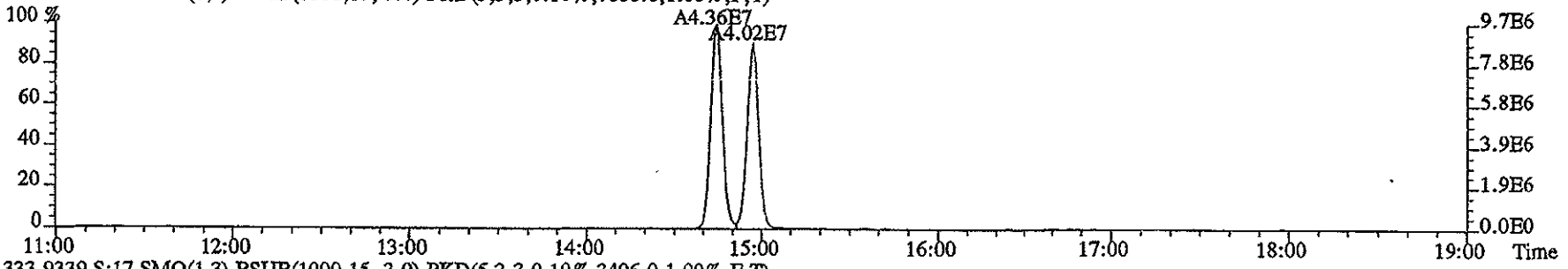
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



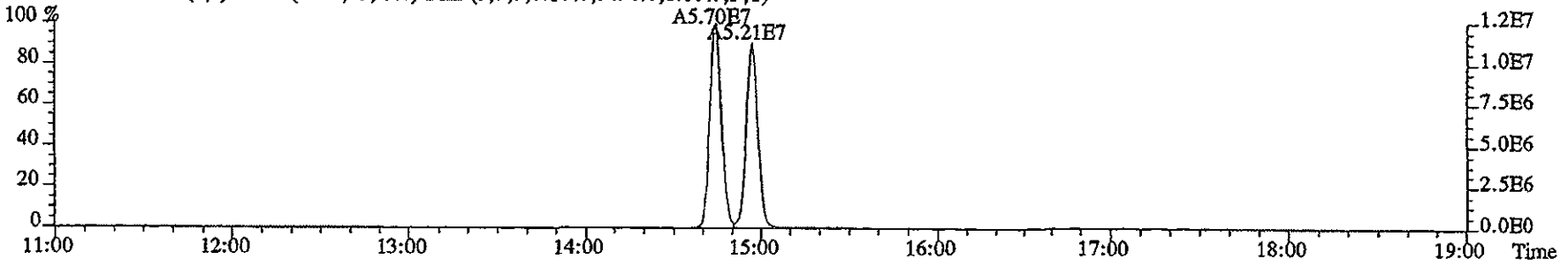
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)

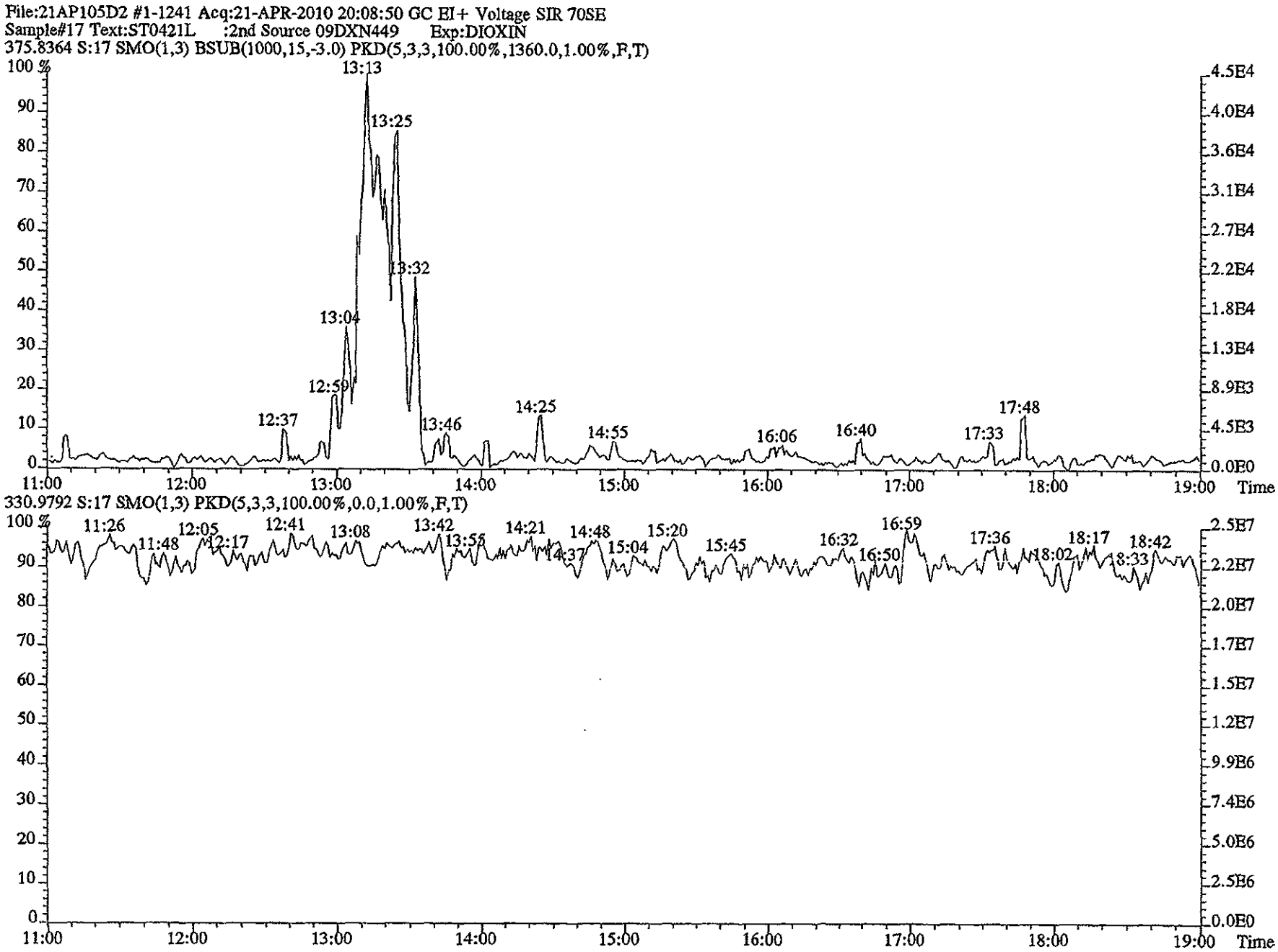


331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7688.0,1.00%,F,T)

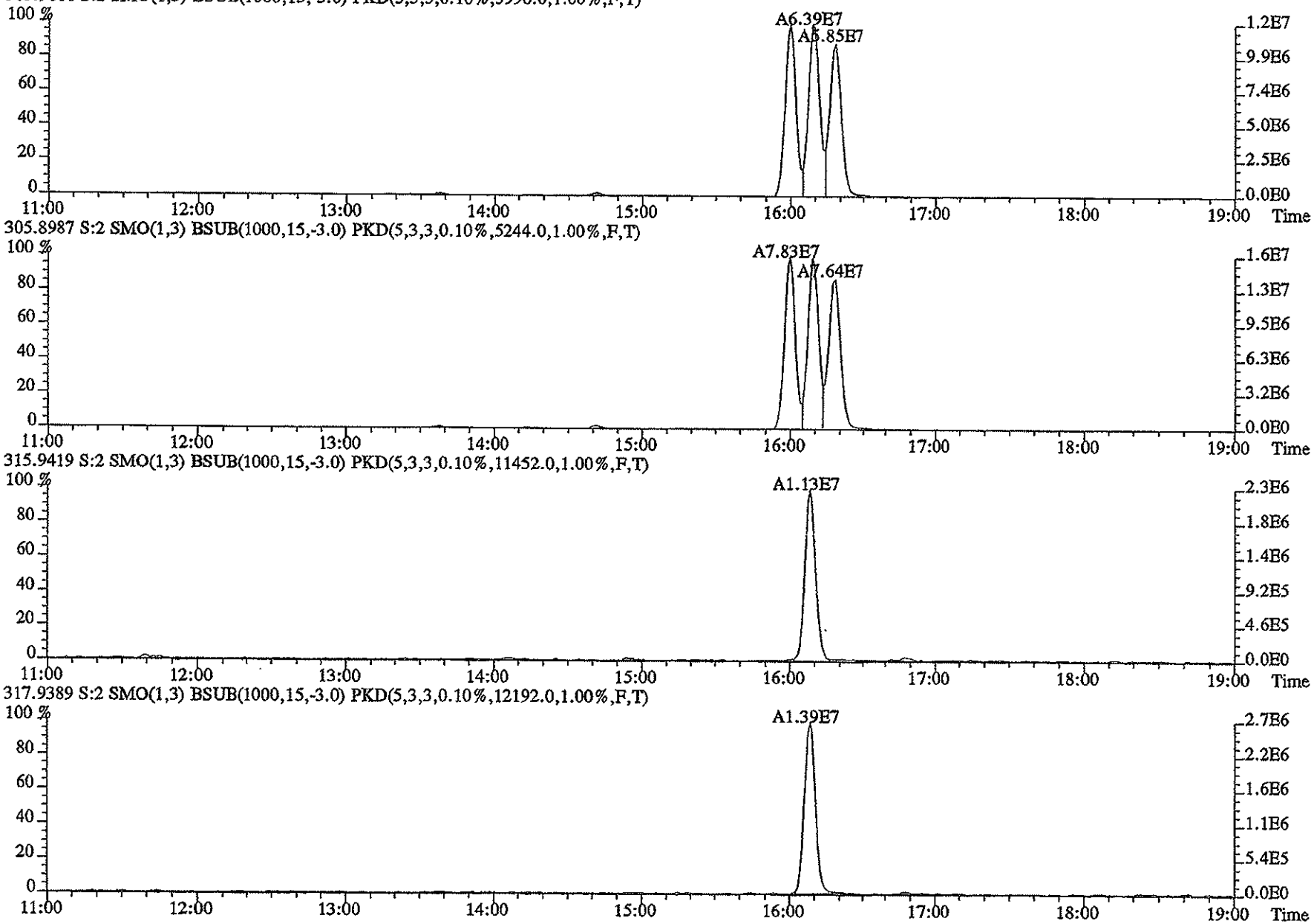


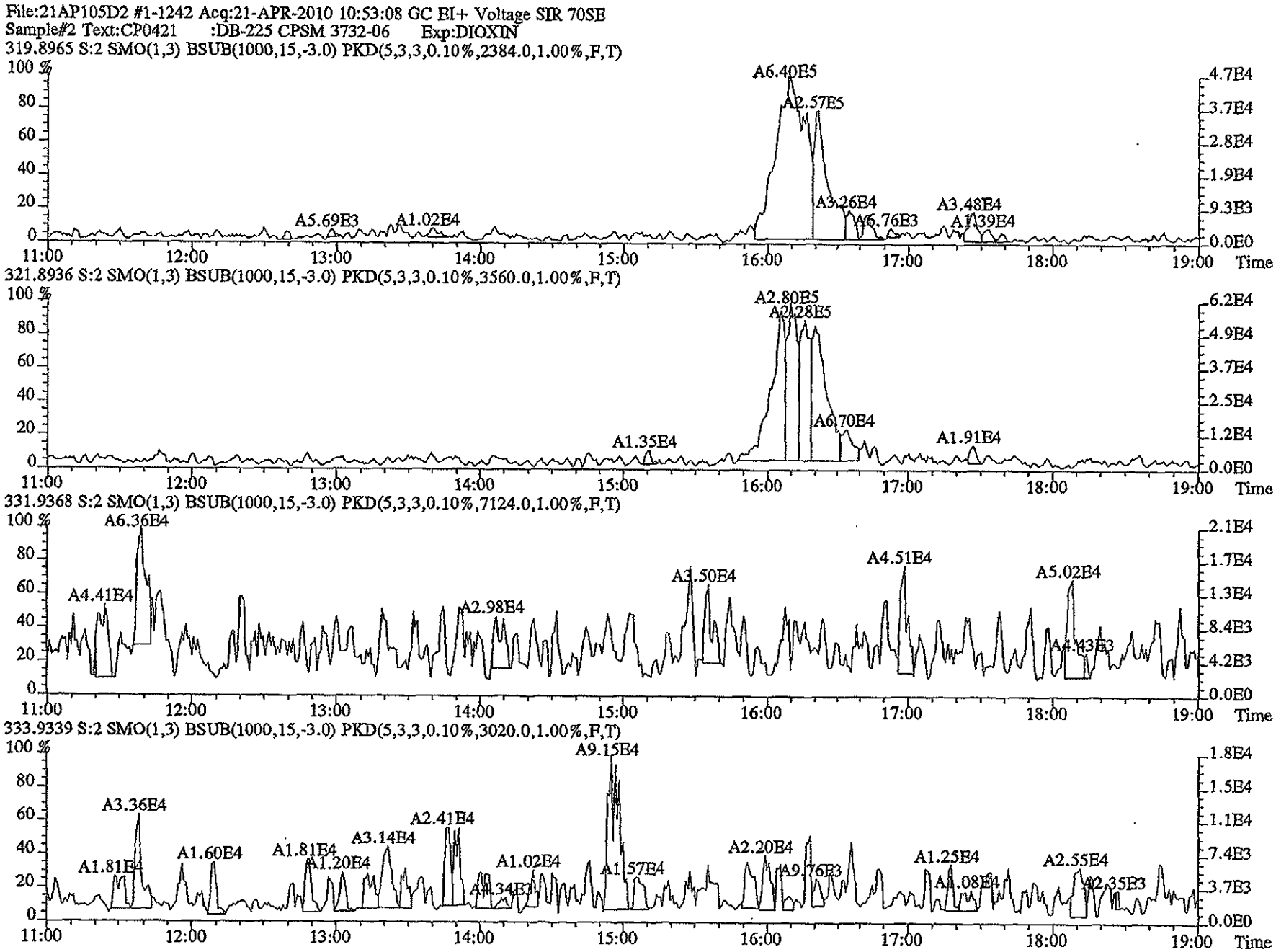
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)

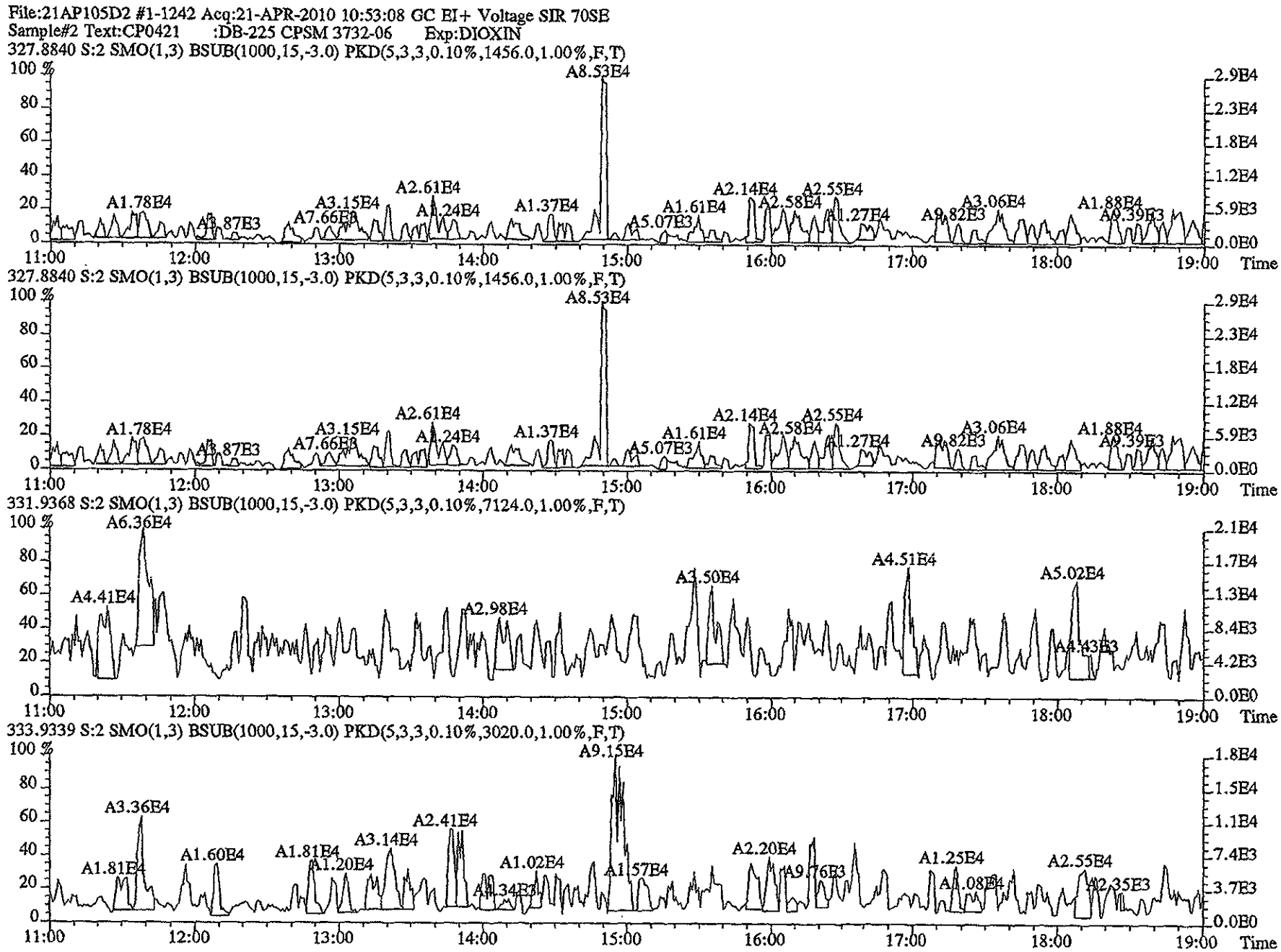


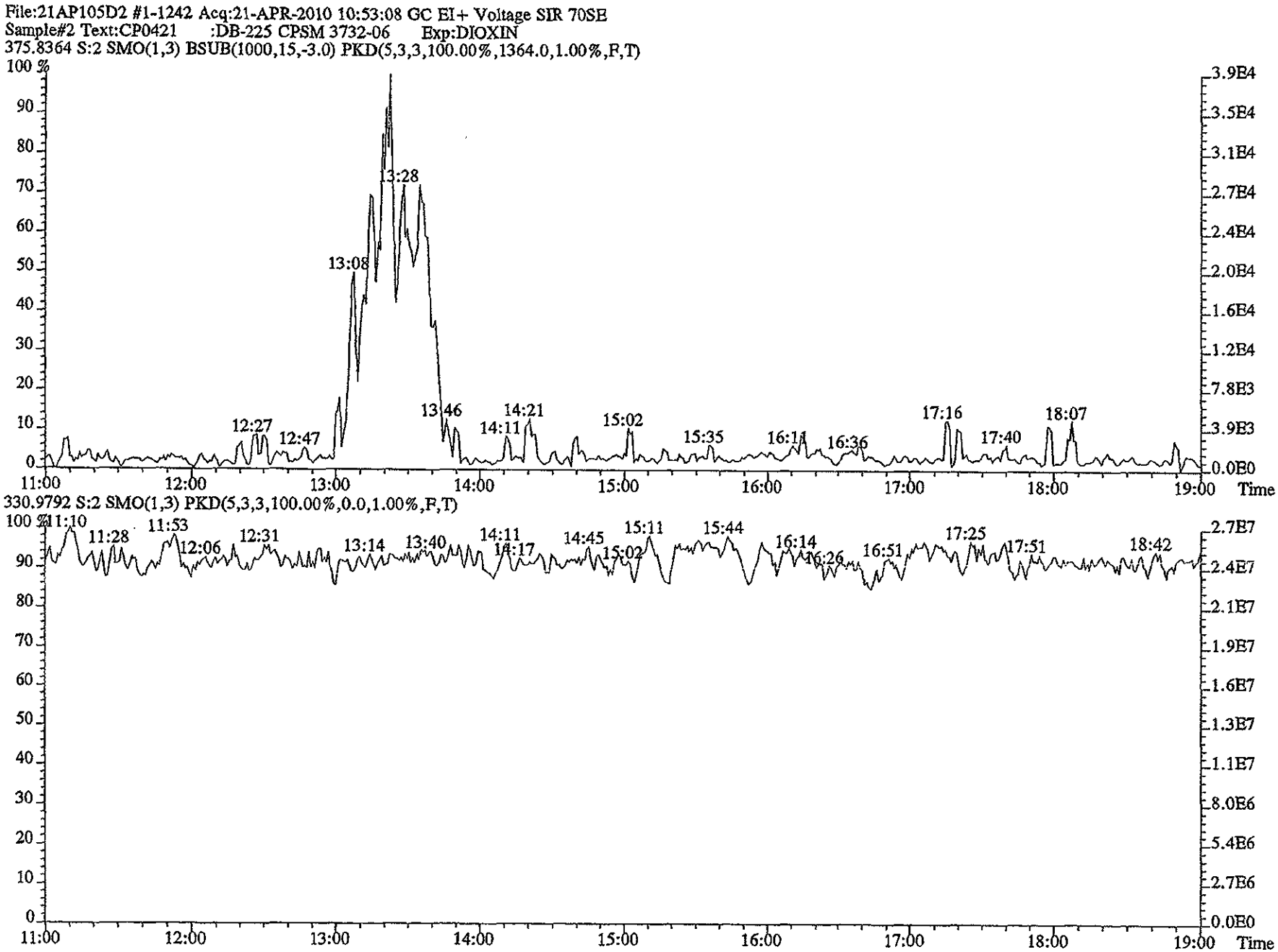


File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN






File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456.0,1.00%,F,T)
A8.53E4
A1.78E4
A2.61E4
A3.15E4
A1.24E4
A1.37E4
A1.61E4
A2.14E4
A2.55E4
A2.58E4
A3.06E4
A1.88E4
A5.07E3
A9.82E3
A9.39E3
Time
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456.0,1.00%,F,T)
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7124.0,1.00%,F,T)
A6.36E4
A4.41E4
A2.98E4
A3.50E4
A4.51E4
A5.02E4
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3020.0,1.00%,F,T)
A9.15E4
A3.36E4
A2.41E4
A3.14E4
A1.81E4
A1.60E4
A1.20E4
A1.02E4
A2.20E4
A1.25E4
A2.55E4



Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290,1613,Tetras,T09,23,0023A) 02041004D5

Method ID 8290,1613B,Tetras,T09,M23,0023A Date Scanned _____

Column ID DB5 Instrument ID 4D5

STD ID's STD0204, STD0204A → D STD Solution (09DXN)-422,423,425,426,456

GC Program OCDD Multiplier Setting 410 kV

Analyzed By KSS Date Analyzed 02-04-10

Prepared By KSS Date Prepared 02-04-10

Reviewed By M.G. Date Reviewed 2/5/10

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

ICAL Abs Cs3 RS RT's = 19:24, 33:05

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 04FE104D5 Analyte: 8290 Cal: 82900204104D5

ST0204 :CS-3 09DXN425 ST0204A :CS-1 09DXN422 ST0204B :CS-2 09DXN423
ST0204C :CS-5 09DXN456 ST0204D :CS-4 09DXN426

Name	Mean	S. D.	%RSD	04FE104D5 S1 RRF1	04FE104D5 S2 RRF2	04FE104D5 S3 RRF3	04FE104D5 S4 RRF4	04FE104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.570	0.092	5.86 %	1.67	1.59	1.55	1.61	1.43
2,3,7,8-TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
Total TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
13C-2,3,7,8-TCDD	1.001	0.057	5.65 %	1.03	0.97	0.95	1.08	0.96
2,3,7,8-TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
Total TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
37Cl-2,3,7,8-TCDD	2.416	0.164	6.77 %	2.42	2.35	2.25	2.69	2.36
13C-1,2,3,7,8-PeCDF	1.337	0.127	9.47 %	1.38	1.26	1.23	1.54	1.27
1,2,3,7,8-PeCDF	1.070	0.057	5.34 %	1.12	0.99	1.04	1.09	1.12
2,3,4,7,8-PeCDF	1.036	0.054	5.21 %	1.08	0.97	0.99	1.06	1.09
Total F2 PeCDF	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
Total F1 PeCDF	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
13C-1,2,3,7,8-PeCDD	0.812	0.084	10.4 %	0.86	0.77	0.74	0.94	0.76
1,2,3,7,8-PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
Total PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.015	0.057	5.60 %	1.03	1.03	0.98	1.09	0.94
1,2,3,4,7,8-HxCDF	1.239	0.064	5.14 %	1.28	1.15	1.20	1.28	1.30
1,2,3,6,7,8-HxCDF	1.490	0.054	3.63 %	1.52	1.43	1.48	1.46	1.57
2,3,4,6,7,8-HxCDF	1.339	0.065	4.85 %	1.37	1.25	1.32	1.32	1.43
1,2,3,7,8,9-HxCDF	1.220	0.092	7.58 %	1.24	1.08	1.19	1.25	1.34
Total HxCDF	1.322	0.066	5.00 %	1.35	1.23	1.30	1.33	1.41
13C-1,2,3,6,7,8-HxCDD	0.884	0.041	4.68 %	0.88	0.88	0.89	0.95	0.83
1,2,3,4,7,8-HxCDD	0.903	0.090	10.0 %	1.00	0.81	0.81	0.92	0.98

1,2,3,6,7,8-HxCDD	1.190	0.048	4.00 %	1.17	1.17	1.14	1.20	1.26
1,2,3,7,8,9-HxCDD	1.158	0.110	9.51 %	1.22	1.01	1.08	1.20	1.28
Total HxCDD	1.083	0.078	7.16 %	1.13	1.00	1.01	1.11	1.18
13C-1,2,3,4,6,7,8-HpCDF	0.945	0.040	4.25 %	0.97	0.95	0.92	1.00	0.89
1,2,3,4,6,7,8-HpCDF	1.299	0.053	4.10 %	1.35	1.24	1.25	1.31	1.35
1,2,3,4,7,8,9-HpCDF	1.102	0.071	6.42 %	1.17	1.01	1.04	1.13	1.15
Total HpCDF	1.200	0.062	5.15 %	1.26	1.12	1.15	1.22	1.25
13C-1,2,3,4,6,7,8-HpCDD	0.793	0.040	5.08 %	0.82	0.79	0.76	0.85	0.75
1,2,3,4,6,7,8-HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
Total HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
13C-OCDD	0.582	0.046	7.84 %	0.61	0.57	0.54	0.65	0.54
OCDF	1.558	0.101	6.46 %	1.56	1.43	1.49	1.63	1.68
OCDD	1.193	0.056	4.70 %	1.21	1.11	1.16	1.22	1.26

Run #1 Filename 04FE104D5 S: 1 I: 1
Acquired: 4-FEB-10 09:42:23 Processed: 4-FEB-10 13:22:03
Run: 04FE104D5 Analyte: 8290 Cal: 82900204104D5
Comments:
Sample text: ST0204 :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	189539200	0.81	y	19:24	-	100.00	n
13C-2,3,7,8-TCDF	317104000	0.80	y	18:50	1.6730	100.00	n
2,3,7,8-TCDF	34666400	0.77	y	18:52	1.0932	10.00	n
Total TCDF	-	-	n	-	1.0932	10.00	n
13C-2,3,7,8-TCDD	196066400	0.81	y	19:38	1.0344	100.00	n
2,3,7,8-TCDD	21159740	0.80	y	19:38	1.0792	10.00	n
Total TCDD	-	-	n	-	1.0792	10.00	n
37Cl-2,3,7,8-TCDD	45936600	1.00	y	19:38	2.4236	10.00	n
13C-1,2,3,7,8-PeCDF	261875000	1.62	y	24:30	1.3816	100.00	n
1,2,3,7,8-PeCDF	146433400	1.57	y	24:31	1.1183	50.00	n
2,3,4,7,8-PeCDF	141427200	1.56	y	26:00	1.0801	50.00	n
Total F2 PeCDF	-	-	n	-	1.0992	100.00	n
Total F1 PeCDF	-	-	n	-	1.0992	100.00	n
13C-1,2,3,7,8-PeCDD	163034900	1.56	y	26:47	0.8602	100.00	n
1,2,3,7,8-PeCDD	84173600	1.59	y	26:48	1.0326	50.00	n
Total PeCDD	-	-	n	-	1.0326	50.00	n
13C-1,2,3,7,8,9-HxCDD	192024700	1.28	y	33:05	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	198335800	0.53	y	31:54	1.0329	100.00	n
1,2,3,4,7,8-HxCDF	126685400	1.22	y	31:55	1.2775	50.00	n
1,2,3,6,7,8-HxCDF	150675100	1.24	y	32:02	1.5194	50.00	n
2,3,4,6,7,8-HxCDF	135577900	1.22	y	32:37	1.3672	50.00	n
1,2,3,7,8,9-HxCDF	123051700	1.23	y	33:16	1.2408	50.00	n
Total HxCDF	-	-	n	-	1.3512	200.00	n
13C-1,2,3,6,7,8-HxCDD	168632300	1.28	y	32:49	0.8782	100.00	n
1,2,3,4,7,8-HxCDD	83924500	1.26	y	32:45	0.9954	50.00	n
1,2,3,6,7,8-HxCDD	98833700	1.28	y	32:49	1.1722	50.00	n
1,2,3,7,8,9-HxCDD	102764300	1.25	y	33:06	1.2188	50.00	n
Total HxCDD	-	-	n	-	1.1288	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	185458700	0.45	y	34:36	0.9658	100.00	n
1,2,3,4,6,7,8-HpCDF	125289400	0.97	y	34:36	1.3511	50.00	n
1,2,3,4,7,8,9-HpCDF	108908000	0.96	y	35:43	1.1745	50.00	n
Total HpCDF	-	-	n	-	1.2628	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	156732500	1.06	y	35:23	0.8162	100.00	n
1,2,3,4,6,7,8-HpCDD	84887300	1.06	y	35:24	1.0832	50.00	n
Total HpCDD	-	-	n	-	1.0832	50.00	n
13C-OCDD	232720000	0.91	y	37:52	0.6060	200.00	n
OCDF	181605400	0.91	y	37:59	1.5607	100.00	n

OCDD	141182300	0.89	y	37:53	1.2133	100.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 13:22:03
Run: 04FE104D5 Analyte: 8290 Cal: 82900204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total TCDF	-	-	n	-	0.9789	0.50	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total TCDD	-	-	n	-	1.0152	0.50	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.3536	0.50	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 PeCDF	-	-	n	-	0.9781	5.00	n
Total F1 PeCDF	-	-	n	-	0.9781	5.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total PeCDD	-	-	n	-	0.9501	2.50	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	1.0331	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	1.1493	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.4269	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	1.2550	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	1.0840	2.50	n
Total HxCDF	-	-	n	-	1.2288	10.00	n
13C-1,2,3,6,7,8-HxCDD	115745500	1.28	y	32:49	0.8765	100.00	y ✓
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8112	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1739	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0117	2.50	n
Total HxCDD	-	-	n	-	0.9989	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total HpCDF	-	-	n	-	1.1246	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total HpCDD	-	-	n	-	0.9611	2.50	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n

OCDD	4220230	0.90	y	37:53	1.1142	5.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 13:22:03
Run: 04FE104D5 Analyte: 8290 Cal: 82900204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total TCDF	-	-	n	-	0.9789	0.50	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total TCDD	-	-	n	-	1.0152	0.50	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.3536	0.50	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 PeCDF	-	-	n	-	0.9781	5.00	n
Total F1 PeCDF	-	-	n	-	0.9781	5.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total PeCDD	-	-	n	-	0.9501	2.50	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	1.0331	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	1.1493	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.4269	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	1.2550	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	1.0840	2.50	n
Total HxCDF	-	-	n	-	1.2288	10.00	n
13C-1,2,3,6,7,8-HxCDD	115477300	1.15	y	32:49	0.8744	100.00	n
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8131	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1767	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0140	2.50	n
Total HxCDD	-	-	n	-	1.0012	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total HpCDF	-	-	n	-	1.1246	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total HpCDD	-	-	n	-	0.9611	2.50	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n

Run #3 Filename 04FE104D5 S: 3 I: 1
Acquired: 4-FEB-10 11:10:23 Processed: 4-FEB-10 13:22:04
Run: 04FE104D5 Analyte: 8290 Cal: 82900204104D5
Comments:
Sample text: ST0204B :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	119443600	0.81	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	184895500	0.78	y	18:50	1.5480	100.00	n
2,3,7,8-TCDF	3767230	0.82	y	18:51	1.0187	2.00	n
Total TCDF	-	-	n	-	1.0187	2.00	n
13C-2,3,7,8-TCDD	113971500	0.82	y	19:38	0.9542	100.00	n
2,3,7,8-TCDD	2253860	0.86	y	19:39	0.9888	2.00	n
Total TCDD	-	-	n	-	0.9888	2.00	n
37Cl-2,3,7,8-TCDD	5379700	1.00	y	19:39	2.2520	2.00	n
13C-1,2,3,7,8-PeCDF	147396100	1.61	y	24:32	1.2340	100.00	n
1,2,3,7,8-PeCDF	15277420	1.58	y	24:33	1.0365	10.00	n
2,3,4,7,8-PeCDF	14567090	1.54	y	26:02	0.9883	10.00	n
Total F2 PeCDF	-	-	n	-	1.0124	20.00	n
Total F1 PeCDF	-	-	n	-	1.0124	20.00	n
13C-1,2,3,7,8-PeCDD	88219000	1.64	y	26:50	0.7386	100.00	n
1,2,3,7,8-PeCDD	8822860	1.54	y	26:50	1.0001	10.00	n
Total PeCDD	-	-	n	-	1.0001	10.00	n
13C-1,2,3,7,8,9-HxCDD	106001600	1.28	y	33:05	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	104159500	0.52	y	31:55	0.9826	100.00	n
1,2,3,4,7,8-HxCDF	12456270	1.22	y	31:56	1.1959	10.00	n
1,2,3,6,7,8-HxCDF	15409960	1.22	y	32:02	1.4795	10.00	n
2,3,4,6,7,8-HxCDF	13773430	1.21	y	32:37	1.3223	10.00	n
1,2,3,7,8,9-HxCDF	12390480	1.21	y	33:16	1.1896	10.00	n
Total HxCDF	-	-	n	-	1.2968	40.00	n
13C-1,2,3,6,7,8-HxCDD	94225700	1.25	y	32:48	0.8889	100.00	n
1,2,3,4,7,8-HxCDD	7594000	1.27	y	32:44	0.8059	10.00	n
1,2,3,6,7,8-HxCDD	10710000	1.29	y	32:49	1.1366	10.00	n
1,2,3,7,8,9-HxCDD	10153830	1.27	y	33:06	1.0776	10.00	n
Total HxCDD	-	-	n	-	1.0067	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	97712400	0.43	y	34:35	0.9218	100.00	n
1,2,3,4,6,7,8-HpCDF	12228700	0.94	y	34:36	1.2515	10.00	n
1,2,3,4,7,8,9-HpCDF	10148100	0.93	y	35:43	1.0386	10.00	n
Total HpCDF	-	-	n	-	1.1450	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	80860300	1.08	y	35:23	0.7628	100.00	n
1,2,3,4,6,7,8-HpCDD	8329100	1.07	y	35:24	1.0301	10.00	n
Total HpCDD	-	-	n	-	1.0301	10.00	n
13C-OCDD	114322200	0.93	y	37:52	0.5392	200.00	n
OCDF	17074150	0.92	y	37:59	1.4935	20.00	n
OCDD	13280390	0.85	y	37:53	1.1617	20.00	n

Run #4 Filename 04FE104D5 S: 4 I: 1
Acquired: 4-FEB-10 11:54:32 Processed: 4-FEB-10 13:22:05
Run: 04FE104D5 Analyte: 8290 Cal: 82900204104D5
Comments:
Sample text: ST0204C :CS-5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	173717900	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	280340000	0.78	y	18:49	1.6138	100.00	n
2,3,7,8-TCDF	612197000	0.75	y	18:51	1.0919	200.00	n
Total TCDF	-	-	n	-	1.0919	200.00	n
13C-2,3,7,8-TCDD	188346700	0.82	y	19:36	1.0842	100.00	n
2,3,7,8-TCDD	416662000	0.81	y	19:37	1.1061	200.00	n
Total TCDD	-	-	n	-	1.1061	200.00	n
37Cl-2,3,7,8-TCDD	933520000	1.00	y	19:37	2.6869	200.00	n
13C-1,2,3,7,8-PeCDF	267395000	1.60	y	24:28	1.5392	100.00	n
1,2,3,7,8-PeCDF	2917600000	1.54	y	24:30	1.0911	1000.00	n
2,3,4,7,8-PeCDF	2821390000	1.53	y	25:59	1.0551	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0731	2000.00	n
Total F1 PeCDF	-	-	n	-	1.0731	2000.00	n
13C-1,2,3,7,8-PeCDD	162818900	1.62	y	26:45	0.9373	100.00	n
1,2,3,7,8-PeCDD	1778462000	1.61	y	26:47	1.0923	1000.00	n
Total PeCDD	-	-	n	-	1.0923	1000.00	n
13C-1,2,3,7,8,9-HxCDD	188905200	1.29	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	205334300	0.52	y	31:54	1.0870	100.00	n
1,2,3,4,7,8-HxCDF	2623970000	1.27	y	31:54	1.2779	1000.00	n
1,2,3,6,7,8-HxCDF	2995860000	1.18	y	32:01	1.4590	1000.00	n
2,3,4,6,7,8-HxCDF	2711600000	1.21	y	32:36	1.3206	1000.00	n
1,2,3,7,8,9-HxCDF	2564680000	1.22	y	33:15	1.2490	1000.00	n
Total HxCDF	-	-	n	-	1.3266	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178668900	1.29	y	32:47	0.9458	100.00	n
1,2,3,4,7,8-HxCDD	1643209000	1.25	y	32:44	0.9197	1000.00	n
1,2,3,6,7,8-HxCDD	2150479000	1.28	y	32:48	1.2036	1000.00	n
1,2,3,7,8,9-HxCDD	2142360000	1.27	y	33:05	1.1991	1000.00	n
Total HxCDD	-	-	n	-	1.1075	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	188302900	0.45	y	34:35	0.9968	100.00	n
1,2,3,4,6,7,8-HpCDF	2469880000	0.96	y	34:35	1.3117	1000.00	n
1,2,3,4,7,8,9-HpCDF	2135880000	0.95	y	35:42	1.1343	1000.00	n
Total HpCDF	-	-	n	-	1.2230	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	160228900	1.08	y	35:23	0.8482	100.00	n
1,2,3,4,6,7,8-HpCDD	1747543000	1.05	y	35:23	1.0907	1000.00	n
Total HpCDD	-	-	n	-	1.0907	1000.00	n
13C-OCDD	244764000	0.94	y	37:52	0.6478	200.00	n
OCDF	3982740000	0.91	y	37:58	1.6272	2000.00	n
OCDD	2979250000	0.88	y	37:52	1.2172	2000.00	n

Run #5 Filename 04FE104D5 S: 5 I: 1
Acquired: 4-FEB-10 12:38:34 Processed: 4-FEB-10 13:22:05
Run: 04FE104D5 Analyte: 8290 Cal: 82900204104D5
Comments:
Sample text: ST0204D :CS-4 09DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	200569200	0.82	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	286249000	0.78	y	18:50	1.4272	100.00	n
2,3,7,8-TCDF	123538800	0.76	y	18:50	1.0789	40.00	n
Total TCDF	-	-	n	-	1.0789	40.00	n
13C-2,3,7,8-TCDD	192344200	0.82	y	19:36	0.9590	100.00	n
2,3,7,8-TCDD	83146500	0.80	y	19:38	1.0807	40.00	n
Total TCDD	-	-	n	-	1.0807	40.00	n
37Cl-2,3,7,8-TCDD	189544400	1.00	y	19:38	2.3626	40.00	n
13C-1,2,3,7,8-PeCDF	253987000	1.59	y	24:29	1.2663	100.00	n
1,2,3,7,8-PeCDF	566693000	1.55	y	24:30	1.1156	200.00	n
2,3,4,7,8-PeCDF	552768000	1.53	y	25:59	1.0882	200.00	n
Total F2 PeCDF	-	-	n	-	1.1019	400.00	n
Total F1 PeCDF	-	-	n	-	1.1019	400.00	n
13C-1,2,3,7,8-PeCDD	152080400	1.65	y	26:46	0.7582	100.00	n
1,2,3,7,8-PeCDD	339029000	1.61	y	26:47	1.1146	200.00	n
Total PeCDD	-	-	n	-	1.1146	200.00	n
13C-1,2,3,7,8,9-HxCDD	196662000	1.28	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	184325400	0.52	y	31:53	0.9373	100.00	n
1,2,3,4,7,8-HxCDF	478071000	1.20	y	31:54	1.2968	200.00	n
1,2,3,6,7,8-HxCDF	577346000	1.21	y	32:01	1.5661	200.00	n
2,3,4,6,7,8-HxCDF	527480000	1.23	y	32:35	1.4308	200.00	n
1,2,3,7,8,9-HxCDF	492635000	1.22	y	33:15	1.3363	200.00	n
Total HxCDF	-	-	n	-	1.4075	800.00	n
13C-1,2,3,6,7,8-HxCDD	163221000	1.30	y	32:47	0.8300	100.00	n
1,2,3,4,7,8-HxCDD	320189000	1.26	y	32:43	0.9808	200.00	n
1,2,3,6,7,8-HxCDD	412557000	1.29	y	32:48	1.2638	200.00	n
1,2,3,7,8,9-HxCDD	418266000	1.28	y	33:05	1.2813	200.00	n
Total HxCDD	-	-	n	-	1.1753	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	175463300	0.45	y	34:34	0.8922	100.00	n
1,2,3,4,6,7,8-HpCDF	472037000	0.96	y	34:35	1.3451	200.00	n
1,2,3,4,7,8,9-HpCDF	402257000	0.97	y	35:41	1.1463	200.00	n
Total HpCDF	-	-	n	-	1.2457	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	147236900	1.08	y	35:23	0.7487	100.00	n
1,2,3,4,6,7,8-HpCDD	328342000	1.04	y	35:23	1.1150	200.00	n
Total HpCDD	-	-	n	-	1.1150	200.00	n
13C-OCDD	213565000	0.94	y	37:51	0.5430	200.00	n
OCDF	717095000	0.91	y	37:58	1.6789	400.00	n
OCDD	537805000	0.89	y	37:52	1.2591	400.00	n

Run: 04FE104D5 Analyte: TETRAS Cal: TETRAS0204104D5

ST0204 :CS-3 09DXN425 ST0204A :CS-1 09DXN422 ST0204B :CS-2 09DXN423
ST0204C :CS-5 09DXN456 ST0204D :CS-4 09DXN426

Name	Mean	S. D.	%RSD	04FE104D5 S1 RRF1	04FE104D5 S2 RRF2	04FE104D5 S3 RRF3	04FE104D5 S4 RRF4	04FE104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.570	0.092	5.86 %	1.67	1.59	1.55	1.61	1.43
2,3,7,8-TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
13C-2,3,7,8-TCDD	1.001	0.057	5.65 %	1.03	0.97	0.95	1.08	0.96
2,3,7,8-TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
37Cl-2,3,7,8-TCDD	2.416	0.164	6.77 %	2.42	2.35	2.25	2.69	2.36

Run #1 Filename 04FE104D5 S: 1 I: 1
Acquired: 4-FEB-10 09:42:23 Processed: 4-FEB-10 14:32:37
Run: 04FE104D5 Analyte: TETRAS Cal: TETRAS0204104D5
Comments:
Sample text: ST0204 :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	189539200	0.81	y	19:24	-	100.00	n
13C-2,3,7,8-TCDF	317104000	0.80	y	18:50	1.6730	100.00	n
2,3,7,8-TCDF	34666400	0.77	y	18:52	1.0932	10.00	n
13C-2,3,7,8-TCDD	196066400	0.81	y	19:38	1.0344	100.00	n
2,3,7,8-TCDD	21159740	0.80	y	19:38	1.0792	10.00	n
37Cl-2,3,7,8-TCDD	45936600	1.00	y	19:38	2.4236	10.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 14:32:37
Run: 04FE104D5 Analyte: TETRAS Cal: TETRAS0204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.3536	0.50	n

Run #3 Filename 04FE104D5 S: 3 I: 1
Acquired: 4-FEB-10 11:10:23 Processed: 4-FEB-10 14:32:37
Run: 04FE104D5 Analyte: TETRAS Cal: TETRAS0204104D5
Comments:
Sample text: ST0204B :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	119443600	0.81 y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	184895500	0.78 y	18:50	1.5480	100.00	n
2,3,7,8-TCDF	3767230	0.82 y	18:51	1.0187	2.00	n
13C-2,3,7,8-TCDD	113971500	0.82 y	19:38	0.9542	100.00	n
2,3,7,8-TCDD	2253860	0.86 y	19:39	0.9888	2.00	n
37Cl-2,3,7,8-TCDD	5379700	1.00 y	19:39	2.2520	2.00	n

Run #4 Filename 04FE104D5 S: 4 I: 1
Acquired: 4-FEB-10 11:54:32 Processed: 4-FEB-10 14:32:37
Run: 04FE104D5 Analyte: TETRAS Cal: TETRAS0204104D5
Comments:
Sample text: ST0204C :CS-5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	173717900	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	280340000	0.78	y	18:49	1.6138	100.00	n
2,3,7,8-TCDF	612197000	0.75	y	18:51	1.0919	200.00	n
13C-2,3,7,8-TCDD	188346700	0.82	y	19:36	1.0842	100.00	n
2,3,7,8-TCDD	416662000	0.81	y	19:37	1.1061	200.00	n
37Cl-2,3,7,8-TCDD	933520000	1.00	y	19:37	2.6869	200.00	n

Run #5 Filename 04FE104D5 S: 5 I: 1
Acquired: 4-FEB-10 12:38:34 Processed: 4-FEB-10 14:32:38
Run: 04FE104D5 Analyte: TETRAS Cal: TETRAS0204104D5
Comments:
Sample text: ST0204D :CS-4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	200569200	0.82 y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	286249000	0.78 y	18:50	1.4272	100.00	n
2,3,7,8-TCDF	123538800	0.76 y	18:50	1.0789	40.00	n
13C-2,3,7,8-TCDD	192344200	0.82 y	19:36	0.9590	100.00	n
2,3,7,8-TCDD	83146500	0.80 y	19:38	1.0807	40.00	n
37Cl-2,3,7,8-TCDD	189544400	1.00 y	19:38	2.3626	40.00	n

Run: 04FE104D5 Analyte: TO9 Cal: TO90204104D5

ST0204 :CS-3 09DXN425 ST0204A :CS-1 09DXN422 ST0204B :CS-2 09DXN423
ST0204C :CS-5 09DXN456 ST0204D :CS-4 09DXN426

Name	Mean	S. D.	%RSD	04FE104D5 S1 RRF1	04FE104D5 S2 RRF2	04FE104D5 S3 RRF3	04FE104D5 S4 RRF4	04FE104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.570	0.092	5.86 %	1.67	1.59	1.55	1.61	1.43
2,3,7,8-TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
Total TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
13C-2,3,7,8-TCDD	1.001	0.057	5.65 %	1.03	0.97	0.95	1.08	0.96
2,3,7,8-TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
Total TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
37Cl-2,3,7,8-TCDD	2.413	0.060	2.50 %	2.34	2.42	2.36	2.48	2.46
13C-1,2,3,7,8-PeCDF	1.337	0.127	9.47 %	1.38	1.26	1.23	1.54	1.27
1,2,3,7,8-PeCDF	1.070	0.057	5.34 %	1.12	0.99	1.04	1.09	1.12
2,3,4,7,8-PeCDF	1.036	0.054	5.21 %	1.08	0.97	0.99	1.06	1.09
Total F2 PeCDF	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
Total F1 PeCDF	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
13C-1,2,3,7,8-PeCDD	0.812	0.084	10.4 %	0.86	0.77	0.74	0.94	0.76
1,2,3,7,8-PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
Total PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.015	0.057	5.60 %	1.03	1.03	0.98	1.09	0.94
1,2,3,4,7,8-HxCDF	1.239	0.064	5.14 %	1.28	1.15	1.20	1.28	1.30
1,2,3,6,7,8-HxCDF	1.490	0.054	3.63 %	1.52	1.43	1.48	1.46	1.57
2,3,4,6,7,8-HxCDF	1.339	0.065	4.85 %	1.37	1.25	1.32	1.32	1.43
1,2,3,7,8,9-HxCDF	1.220	0.092	7.58 %	1.24	1.08	1.19	1.25	1.34
Total HxCDF	1.322	0.066	5.00 %	1.35	1.23	1.30	1.33	1.41
13C-1,2,3,6,7,8-HxCDD	0.884	0.041	4.69 %	0.88	0.88	0.89	0.95	0.83
1,2,3,4,7,8-HxCDD	0.903	0.090	10.0 %	1.00	0.81	0.81	0.92	0.98

1,2,3,6,7,8-HxCDD	1.190	0.048	4.00 %	1.17	1.17	1.14	1.20	1.26
1,2,3,7,8,9-HxCDD	1.158	0.110	9.50 %	1.22	1.01	1.08	1.20	1.28
Total HxCDD	1.083	0.078	7.16 %	1.13	1.00	1.01	1.11	1.18
13C-1,2,3,4,6,7,8-HpCDF	0.945	0.040	4.25 %	0.97	0.95	0.92	1.00	0.89
1,2,3,4,6,7,8-HpCDF	1.299	0.053	4.10 %	1.35	1.24	1.25	1.31	1.35
1,2,3,4,7,8,9-HpCDF	1.102	0.071	6.42 %	1.17	1.01	1.04	1.13	1.15
Total HpCDF	1.200	0.062	5.15 %	1.26	1.12	1.15	1.22	1.25
13C-1,2,3,4,6,7,8-HpCDD	0.793	0.040	5.08 %	0.82	0.79	0.76	0.85	0.75
1,2,3,4,6,7,8-HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
Total HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
13C-OCDD	0.582	0.046	7.84 %	0.61	0.57	0.54	0.65	0.54
OCDF	1.558	0.101	6.46 %	1.56	1.43	1.49	1.63	1.68
OCDD	1.193	0.056	4.70 %	1.21	1.11	1.16	1.22	1.26

Run #1 Filename 04FE104D5 S: 1 I: 1
Acquired: 4-FEB-10 09:42:23 Processed: 4-FEB-10 15:29:23
Run: 04FE104D5 Analyte: TO9 Cal: TO90204104D5
Comments:
Sample text: ST0204 :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	189539200	0.81	y	19:24	-	100.00	n
13C-2,3,7,8-TCDF	317104000	0.80	y	18:50	1.6730	100.00	n
2,3,7,8-TCDF	34666400	0.77	y	18:52	1.0932	10.00	n
Total TCDF	-	-	n	-	1.0932	10.00	n
13C-2,3,7,8-TCDD	196066400	0.81	y	19:38	1.0344	100.00	n
2,3,7,8-TCDD	21159740	0.80	y	19:38	1.0792	10.00	n
Total TCDD	-	-	n	-	1.0792	10.00	n
37Cl-2,3,7,8-TCDD	45936600	1.00	y	19:38	2.3429	10.00	n
13C-1,2,3,7,8-PeCDF	261875000	1.62	y	24:30	1.3816	100.00	n
1,2,3,7,8-PeCDF	146433400	1.57	y	24:31	1.1183	50.00	n
2,3,4,7,8-PeCDF	141427200	1.56	y	26:00	1.0801	50.00	n
Total F2 PeCDF	-	-	n	-	1.0992	100.00	n
Total F1 PeCDF	-	-	n	-	1.0992	100.00	n
13C-1,2,3,7,8-PeCDD	163034900	1.56	y	26:47	0.8602	100.00	n
1,2,3,7,8-PeCDD	84173600	1.59	y	26:48	1.0326	50.00	n
Total PeCDD	-	-	n	-	1.0326	50.00	n
13C-1,2,3,7,8,9-HxCDD	192024700	1.28	y	33:05	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	198335800	0.53	y	31:54	1.0329	100.00	n
1,2,3,4,7,8-HxCDF	126685400	1.22	y	31:55	1.2775	50.00	n
1,2,3,6,7,8-HxCDF	150675100	1.24	y	32:02	1.5194	50.00	n
2,3,4,6,7,8-HxCDF	135577900	1.22	y	32:37	1.3672	50.00	n
1,2,3,7,8,9-HxCDF	123051700	1.23	y	33:16	1.2408	50.00	n
Total HxCDF	-	-	n	-	1.3512	200.00	n
13C-1,2,3,6,7,8-HxCDD	168632300	1.28	y	32:49	0.8782	100.00	n
1,2,3,4,7,8-HxCDD	83924500	1.26	y	32:45	0.9954	50.00	n
1,2,3,6,7,8-HxCDD	98833700	1.28	y	32:49	1.1722	50.00	n
1,2,3,7,8,9-HxCDD	102764300	1.25	y	33:06	1.2188	50.00	n
Total HxCDD	-	-	n	-	1.1288	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	185458700	0.45	y	34:36	0.9658	100.00	n
1,2,3,4,6,7,8-HpCDF	125289400	0.97	y	34:36	1.3511	50.00	n
1,2,3,4,7,8,9-HpCDF	108908000	0.96	y	35:43	1.1745	50.00	n
Total HpCDF	-	-	n	-	1.2628	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	156732500	1.06	y	35:23	0.8162	100.00	n
1,2,3,4,6,7,8-HpCDD	84887300	1.06	y	35:24	1.0832	50.00	n
Total HpCDD	-	-	n	-	1.0832	50.00	n
13C-OCDD	232720000	0.91	y	37:52	0.6060	200.00	n
OCDF	181605400	0.91	y	37:59	1.5607	100.00	n

OCDD	141182300	0.89	y	37:53	1.2133	100.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 15:29:24
Run: 04FE104D5 Analyte: TO9 Cal: TO90204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total TCDF	-	-	n	-	0.9789	0.50	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total TCDD	-	-	n	-	1.0152	0.50	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.4200	0.50	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 PeCDF	-	-	n	-	0.9781	5.00	n
Total F1 PeCDF	-	-	n	-	0.9781	5.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total PeCDD	-	-	n	-	0.9501	2.50	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	1.0331	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	1.1493	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.4269	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	1.2550	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	1.0840	2.50	n
Total HxCDF	-	-	n	-	1.2288	10.00	n
13C-1,2,3,6,7,8-HxCDD	115723500	1.28	y	32:49	0.8763	100.00	y ✓
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8113	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1742	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0119	2.50	n
Total HxCDD	-	-	n	-	0.9991	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total HpCDF	-	-	n	-	1.1246	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total HpCDD	-	-	n	-	0.9611	2.50	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n

OCDD	4220230	0.90	y	37:53	1.1142	5.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 15:29:24
Run: 04FE104D5 Analyte: TO9 Cal: TO90204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total TCDF	-	-	n	-	0.9789	0.50	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total TCDD	-	-	n	-	1.0152	0.50	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.4200	0.50	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 PeCDF	-	-	n	-	0.9781	5.00	n
Total F1 PeCDF	-	-	n	-	0.9781	5.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total PeCDD	-	-	n	-	0.9501	2.50	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	1.0331	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	1.1493	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.4269	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	1.2550	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	1.0840	2.50	n
Total HxCDF	-	-	n	-	1.2288	10.00	n
13C-1,2,3,6,7,8-HxCDD	115477300	1.15	y	32:49	0.8744	100.00	n
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8131	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1767	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0140	2.50	n
Total HxCDD	-	-	n	-	1.0012	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total HpCDF	-	-	n	-	1.1246	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total HpCDD	-	-	n	-	0.9611	2.50	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n

Run #3 Filename 04FE104D5 S: 3 I: 1
Acquired: 4-FEB-10 11:10:23 Processed: 4-FEB-10 15:29:25
Run: 04FE104D5 Analyte: TO9 Cal: TO90204104D5
Comments:
Sample text: ST0204B :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	119443600	0.81	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	184895500	0.78	y	18:50	1.5480	100.00	n
2,3,7,8-TCDF	3767230	0.82	y	18:51	1.0187	2.00	n
Total TCDF	-	-	n	-	1.0187	2.00	n
13C-2,3,7,8-TCDD	113971500	0.82	y	19:38	0.9542	100.00	n
2,3,7,8-TCDD	2253860	0.86	y	19:39	0.9888	2.00	n
Total TCDD	-	-	n	-	0.9888	2.00	n
37Cl-2,3,7,8-TCDD	5379700	1.00	y	19:39	2.3601	2.00	n
13C-1,2,3,7,8-PeCDF	147396100	1.61	y	24:32	1.2340	100.00	n
1,2,3,7,8-PeCDF	15277420	1.58	y	24:33	1.0365	10.00	n
2,3,4,7,8-PeCDF	14567090	1.54	y	26:02	0.9883	10.00	n
Total F2 PeCDF	-	-	n	-	1.0124	20.00	n
Total F1 PeCDF	-	-	n	-	1.0124	20.00	n
13C-1,2,3,7,8-PeCDD	88219000	1.64	y	26:50	0.7386	100.00	n
1,2,3,7,8-PeCDD	8822860	1.54	y	26:50	1.0001	10.00	n
Total PeCDD	-	-	n	-	1.0001	10.00	n
13C-1,2,3,7,8,9-HxCDD	106001600	1.28	y	33:05	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	104159500	0.52	y	31:55	0.9826	100.00	n
1,2,3,4,7,8-HxCDF	12456270	1.22	y	31:56	1.1959	10.00	n
1,2,3,6,7,8-HxCDF	15409960	1.22	y	32:02	1.4795	10.00	n
2,3,4,6,7,8-HxCDF	13773430	1.21	y	32:37	1.3223	10.00	n
1,2,3,7,8,9-HxCDF	12390480	1.21	y	33:16	1.1896	10.00	n
Total HxCDF	-	-	n	-	1.2968	40.00	n
13C-1,2,3,6,7,8-HxCDD	94225700	1.25	y	32:48	0.8889	100.00	n
1,2,3,4,7,8-HxCDD	7594000	1.27	y	32:44	0.8059	10.00	n
1,2,3,6,7,8-HxCDD	10710000	1.29	y	32:49	1.1366	10.00	n
1,2,3,7,8,9-HxCDD	10153830	1.27	y	33:06	1.0776	10.00	n
Total HxCDD	-	-	n	-	1.0067	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	97712400	0.43	y	34:35	0.9218	100.00	n
1,2,3,4,6,7,8-HpCDF	12228700	0.94	y	34:36	1.2515	10.00	n
1,2,3,4,7,8,9-HpCDF	10148100	0.93	y	35:43	1.0386	10.00	n
Total HpCDF	-	-	n	-	1.1450	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	80860300	1.08	y	35:23	0.7628	100.00	n
1,2,3,4,6,7,8-HpCDD	8329100	1.07	y	35:24	1.0301	10.00	n
Total HpCDD	-	-	n	-	1.0301	10.00	n
13C-OCDD	114322200	0.93	y	37:52	0.5392	200.00	n
OCDF	17074150	0.92	y	37:59	1.4935	20.00	n
OCDD	13280390	0.85	y	37:53	1.1617	20.00	n

Run #4 Filename 04FE104D5 S: 4 I: 1
Acquired: 4-FEB-10 11:54:32 Processed: 4-FEB-10 15:29:25
Run: 04FE104D5 Analyte: TO9 Cal: TO90204104D5
Comments:
Sample text: ST0204C :CS-5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	173717900	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	280340000	0.78	y	18:49	1.6138	100.00	n
2,3,7,8-TCDF	612197000	0.75	y	18:51	1.0919	200.00	n
Total TCDF	-	-	n	-	1.0919	200.00	n
13C-2,3,7,8-TCDD	188346700	0.82	y	19:36	1.0842	100.00	n
2,3,7,8-TCDD	416662000	0.81	y	19:37	1.1061	200.00	n
Total TCDD	-	-	n	-	1.1061	200.00	n
37Cl-2,3,7,8-TCDD	933520000	1.00	y	19:37	2.4782	200.00	n
13C-1,2,3,7,8-PeCDF	267395000	1.60	y	24:28	1.5392	100.00	n
1,2,3,7,8-PeCDF	2917600000	1.54	y	24:30	1.0911	1000.00	n
2,3,4,7,8-PeCDF	2821390000	1.53	y	25:59	1.0551	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0731	2000.00	n
Total F1 PeCDF	-	-	n	-	1.0731	2000.00	n
13C-1,2,3,7,8-PeCDD	162818900	1.62	y	26:45	0.9373	100.00	n
1,2,3,7,8-PeCDD	1778462000	1.61	y	26:47	1.0923	1000.00	n
Total PeCDD	-	-	n	-	1.0923	1000.00	n
13C-1,2,3,7,8,9-HxCDD	188905200	1.29	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	205334300	0.52	y	31:54	1.0870	100.00	n
1,2,3,4,7,8-HxCDF	2623970000	1.27	y	31:54	1.2779	1000.00	n
1,2,3,6,7,8-HxCDF	2995860000	1.18	y	32:01	1.4590	1000.00	n
2,3,4,6,7,8-HxCDF	2711600000	1.21	y	32:36	1.3206	1000.00	n
1,2,3,7,8,9-HxCDF	2564680000	1.22	y	33:15	1.2490	1000.00	n
Total HxCDF	-	-	n	-	1.3266	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178668900	1.29	y	32:47	0.9458	100.00	n
1,2,3,4,7,8-HxCDD	1643209000	1.25	y	32:44	0.9197	1000.00	n
1,2,3,6,7,8-HxCDD	2150479000	1.28	y	32:48	1.2036	1000.00	n
1,2,3,7,8,9-HxCDD	2142360000	1.27	y	33:05	1.1991	1000.00	n
Total HxCDD	-	-	n	-	1.1075	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	188302900	0.45	y	34:35	0.9968	100.00	n
1,2,3,4,6,7,8-HpCDF	2469880000	0.96	y	34:35	1.3117	1000.00	n
1,2,3,4,7,8,9-HpCDF	2135880000	0.95	y	35:42	1.1343	1000.00	n
Total HpCDF	-	-	n	-	1.2230	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	160228900	1.08	y	35:23	0.8482	100.00	n
1,2,3,4,6,7,8-HpCDD	1747543000	1.05	y	35:23	1.0907	1000.00	n
Total HpCDD	-	-	n	-	1.0907	1000.00	n
13C-OCDD	244764000	0.94	y	37:52	0.6478	200.00	n
OCDF	3982740000	0.91	y	37:58	1.6272	2000.00	n
OCDD	2979250000	0.88	y	37:52	1.2172	2000.00	n

Run #5 Filename 04FE104D5 S: 5 I: 1
Acquired: 4-FEB-10 12:38:34 Processed: 4-FEB-10 15:29:26
Run: 04FE104D5 Analyte: TO9 Cal: TO90204104D5
Comments:
Sample text: ST0204D :CS-4 09DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	200569200	0.82	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	286249000	0.78	y	18:50	1.4272	100.00	n
2,3,7,8-TCDF	123538800	0.76	y	18:50	1.0789	40.00	n
Total TCDF	-	-	n	-	1.0789	40.00	n
13C-2,3,7,8-TCDD	192344200	0.82	y	19:36	0.9590	100.00	n
2,3,7,8-TCDD	83146500	0.80	y	19:38	1.0807	40.00	n
Total TCDD	-	-	n	-	1.0807	40.00	n
37Cl-2,3,7,8-TCDD	189544400	1.00	y	19:38	2.4636	40.00	n
13C-1,2,3,7,8-PeCDF	253987000	1.59	y	24:29	1.2663	100.00	n
1,2,3,7,8-PeCDF	566693000	1.55	y	24:30	1.1156	200.00	n
2,3,4,7,8-PeCDF	552768000	1.53	y	25:59	1.0882	200.00	n
Total F2 PeCDF	-	-	n	-	1.1019	400.00	n
Total F1 PeCDF	-	-	n	-	1.1019	400.00	n
13C-1,2,3,7,8-PeCDD	152080400	1.65	y	26:46	0.7582	100.00	n
1,2,3,7,8-PeCDD	339029000	1.61	y	26:47	1.1146	200.00	n
Total PeCDD	-	-	n	-	1.1146	200.00	n
13C-1,2,3,7,8,9-HxCDD	196662000	1.28	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	184325400	0.52	y	31:53	0.9373	100.00	n
1,2,3,4,7,8-HxCDF	478071000	1.20	y	31:54	1.2968	200.00	n
1,2,3,6,7,8-HxCDF	577346000	1.21	y	32:01	1.5661	200.00	n
2,3,4,6,7,8-HxCDF	527480000	1.23	y	32:35	1.4308	200.00	n
1,2,3,7,8,9-HxCDF	492635000	1.22	y	33:15	1.3363	200.00	n
Total HxCDF	-	-	n	-	1.4075	800.00	n
13C-1,2,3,6,7,8-HxCDD	163221000	1.30	y	32:47	0.8300	100.00	n
1,2,3,4,7,8-HxCDD	320189000	1.26	y	32:43	0.9808	200.00	n
1,2,3,6,7,8-HxCDD	412557000	1.29	y	32:48	1.2638	200.00	n
1,2,3,7,8,9-HxCDD	418266000	1.28	y	33:05	1.2813	200.00	n
Total HxCDD	-	-	n	-	1.1753	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	175463300	0.45	y	34:34	0.8922	100.00	n
1,2,3,4,6,7,8-HpCDF	472037000	0.96	y	34:35	1.3451	200.00	n
1,2,3,4,7,8,9-HpCDF	402257000	0.97	y	35:41	1.1463	200.00	n
Total HpCDF	-	-	n	-	1.2457	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	147236900	1.08	y	35:23	0.7487	100.00	n
1,2,3,4,6,7,8-HpCDD	328342000	1.04	y	35:23	1.1150	200.00	n
Total HpCDD	-	-	n	-	1.1150	200.00	n
13C-OCDD	213565000	0.94	y	37:51	0.5430	200.00	n
OCDF	717095000	0.91	y	37:58	1.6789	400.00	n
OCDD	537805000	0.89	y	37:52	1.2591	400.00	n

Run: 04FE104D5 Analyte: 23 Cal: 230204104D5

ST0204 :CS-3 09DXN425 ST0204A :CS-1 09DXN422 ST0204B :CS-2 09DXN423
ST0204C :CS-5 09DXN456 ST0204D :CS-4 09DXN426

Name	Mean	S. D.	%RSD	04FE104D5 S1 RRF1	04FE104D5 S2 RRF2	04FE104D5 S3 RRF3	04FE104D5 S4 RRF4	04FE104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.570	0.092	5.86 %	1.67	1.59	1.55	1.61	1.43
2,3,7,8-TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
Total Tetra-Furans	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
13C-2,3,7,8-TCDD	1.001	0.057	5.65 %	1.03	0.97	0.95	1.08	0.96
2,3,7,8-TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
Total Tetra-Dioxins	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
13C-1,2,3,7,8-PeCDF	1.337	0.127	9.47 %	1.38	1.26	1.23	1.54	1.27
1,2,3,7,8-PeCDF	1.070	0.057	5.34 %	1.12	0.99	1.04	1.09	1.12
2,3,4,7,8-PeCDF	1.036	0.054	5.21 %	1.08	0.97	0.99	1.06	1.09
Total F2 Penta-Furans	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
Total F1 Penta-Furans	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
13C-1,2,3,7,8-PeCDD	0.812	0.084	10.4 %	0.86	0.77	0.74	0.94	0.76
1,2,3,7,8-PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
Total Penta-Dioxins	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,6,7,8-HxCDF	1.331	0.053	3.99 %	1.33	1.36	1.32	1.40	1.25
1,2,3,4,7,8-HxCDF	0.944	0.057	6.08 %	0.99	0.87	0.89	0.99	0.97
1,2,3,6,7,8-HxCDF	1.135	0.041	3.65 %	1.18	1.08	1.10	1.14	1.17
2,3,4,6,7,8-HxCDF	1.020	0.050	4.85 %	1.06	0.95	0.99	1.03	1.07
1,2,3,7,8,9-HxCDF	0.929	0.072	7.76 %	0.96	0.82	0.89	0.97	1.00
Total Hexa-Furans	1.007	0.053	5.31 %	1.05	0.93	0.97	1.03	1.05
13C-1,2,3,6,7,8-HxCDD	0.884	0.041	4.69 %	0.88	0.88	0.89	0.95	0.83
1,2,3,4,7,8-HxCDD	0.903	0.090	10.0 %	1.00	0.81	0.81	0.92	0.98
1,2,3,6,7,8-HxCDD	1.190	0.048	4.00 %	1.17	1.17	1.14	1.20	1.26
1,2,3,7,8,9-HxCDD	1.158	0.110	9.50 %	1.22	1.01	1.08	1.20	1.28
Total Hexa-Dioxins	1.083	0.078	7.16 %	1.13	1.00	1.01	1.11	1.18

13C-1,2,3,4,6,7,8-HpCDF	0.945	0.040	4.25 %	0.97	0.95	0.92	1.00	0.89
1,2,3,4,6,7,8-HpCDF	1.299	0.053	4.10 %	1.35	1.24	1.25	1.31	1.35
1,2,3,4,7,8,9-HpCDF	1.102	0.071	6.42 %	1.17	1.01	1.04	1.13	1.15
Total Hepta-Furans	1.200	0.062	5.15 %	1.26	1.12	1.15	1.22	1.25
13C-1,2,3,4,6,7,8-HpCDD	0.793	0.040	5.08 %	0.82	0.79	0.76	0.85	0.75
1,2,3,4,6,7,8-HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
Total Hepta-Dioxins	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
13C-OCDD	0.582	0.046	7.84 %	0.61	0.57	0.54	0.65	0.54
OCDF	1.558	0.101	6.46 %	1.56	1.43	1.49	1.63	1.68
OCDD	1.193	0.056	4.70 %	1.21	1.11	1.16	1.22	1.26
37Cl-2,3,7,8-TCDD	2.413	0.060	2.50 %	2.34	2.42	2.36	2.48	2.46
13C-2,3,4,7,8-PeCDF	0.983	0.011	1.08 %	0.98	1.00	0.98	0.99	0.97
13C-1,2,3,4,7,8-HxCDF	0.762	0.015	2.02 %	0.78	0.76	0.75	0.78	0.75
13C-1,2,3,4,7,8-HxCDD	0.842	0.052	6.18 %	0.90	0.88	0.77	0.83	0.82
13C-1,2,3,4,7,8,9-HpCDF	0.860	0.015	1.71 %	0.88	0.86	0.85	0.87	0.84

Run #1 Filename 04FE104D5 S: 1 I: 1
Acquired: 4-FEB-10 09:42:23 Processed: 4-FEB-10 15:33:25
Run: 04FE104D5 Analyte: 23 Cal: 230204104D5
Comments:
Sample text: ST0204 :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	189539200	0.81	y	19:24	-	100.00	n
13C-2,3,7,8-TCDF	317104000	0.80	y	18:50	1.6730	100.00	n
2,3,7,8-TCDF	34666400	0.77	y	18:52	1.0932	10.00	n
Total Tetra-Furans	-	-	n	-	1.0932	0.00	n
13C-2,3,7,8-TCDD	196066400	0.81	y	19:38	1.0344	100.00	n
2,3,7,8-TCDD	21159740	0.80	y	19:38	1.0792	10.00	n
Total Tetra-Dioxins	-	-	n	-	1.0792	0.00	n
13C-1,2,3,7,8-PeCDF	261875000	1.62	y	24:30	1.3816	100.00	n
1,2,3,7,8-PeCDF	146433400	1.57	y	24:31	1.1183	50.00	n
2,3,4,7,8-PeCDF	141427200	1.56	y	26:00	1.0801	50.00	n
Total F2 Penta-Furans	-	-	n	-	1.0992	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.0992	0.00	n
13C-1,2,3,7,8-PeCDD	163034900	1.56	y	26:47	0.8602	100.00	n
1,2,3,7,8-PeCDD	84173600	1.59	y	26:48	1.0326	50.00	n
Total Penta-Dioxins	-	-	n	-	1.0326	0.00	n
13C-1,2,3,7,8,9-HxCDD	192024700	1.28	y	33:05	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	255414600	0.53	y	32:01	1.3301	100.00	n
1,2,3,4,7,8-HxCDF	126685400	1.22	y	31:55	0.9920	50.00	n
1,2,3,6,7,8-HxCDF	150675100	1.24	y	32:02	1.1798	50.00	n
2,3,4,6,7,8-HxCDF	135577900	1.22	y	32:37	1.0616	50.00	n
1,2,3,7,8,9-HxCDF	123051700	1.23	y	33:16	0.9635	50.00	n
Total Hexa-Furans	-	-	n	-	1.0493	0.00	n
13C-1,2,3,6,7,8-HxCDD	168632300	1.28	y	32:49	0.8782	100.00	n
1,2,3,4,7,8-HxCDD	83924500	1.26	y	32:45	0.9954	50.00	n
1,2,3,6,7,8-HxCDD	98833700	1.28	y	32:49	1.1722	50.00	n
1,2,3,7,8,9-HxCDD	102764300	1.25	y	33:06	1.2188	50.00	n
Total Hexa-Dioxins	-	-	n	-	1.1288	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	185458700	0.45	y	34:36	0.9658	100.00	n
1,2,3,4,6,7,8-HpCDF	125289400	0.97	y	34:36	1.3511	50.00	n
1,2,3,4,7,8,9-HpCDF	108908000	0.96	y	35:43	1.1745	50.00	n
Total Hepta-Furans	-	-	n	-	1.2628	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	156732500	1.06	y	35:23	0.8162	100.00	n
1,2,3,4,6,7,8-HpCDD	84887300	1.06	y	35:24	1.0832	50.00	n
Total Hepta-Dioxins	-	-	n	-	1.0832	0.00	n
13C-OCDD	232720000	0.91	y	37:52	0.6060	200.00	n
OCDF	181605400	0.91	y	37:59	1.5607	100.00	n
OCDD	141182300	0.89	y	37:53	1.2133	100.00	n
37Cl-2,3,7,8-TCDD	45936600	1.00	y	19:38	2.3429	10.00	n
13C-2,3,4,7,8-PeCDF	257288600	1.58	y	25:59	0.9825	100.00	n

13C-1,2,3,4,7,8-HxCDF	198335800	0.53	y	31:54	0.7765	100.00	n
13C-1,2,3,4,7,8-HxCDD	152305100	1.29	y	32:44	0.9032	100.00	n
13C-1,2,3,4,7,8,9-HpCDF	163292100	0.46	y	35:42	0.8805	100.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 15:33:25
Run: 04FE104D5 Analyte: 23 Cal: 230204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total Tetra-Furans	-	-	n	-	0.9789	0.00	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total Tetra-Dioxins	-	-	n	-	1.0152	0.00	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 Penta-Furans	-	-	n	-	0.9781	0.00	n
Total F1 Penta-Furans	-	-	n	-	0.9781	0.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total Penta-Dioxins	-	-	n	-	0.9501	0.00	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	179507400	0.52	y	32:01	1.3593	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	0.8735	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.0845	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	0.9538	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	0.8239	2.50	n
Total Hexa-Furans	-	-	n	-	0.9339	0.00	n
13C-1,2,3,6,7,8-HxCDD	115723500	1.28	y	32:49	0.8763	100.00	y ✔
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8113	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1742	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0119	2.50	n
Total Hexa-Dioxins	-	-	n	-	0.9991	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total Hepta-Furans	-	-	n	-	1.1246	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total Hepta-Dioxins	-	-	n	-	0.9611	0.00	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.4200	0.50	n
13C-2,3,4,7,8-PeCDF	187769500	1.58	y	26:00	0.9982	100.00	n

13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	0.7600	100.00	n
13C-1,2,3,4,7,8-HxCDD	102401400	1.28	y	32:43	0.8849	100.00	y ✓
13C-1,2,3,4,7,8,9-HpCDF	107126300	0.44	y	35:42	0.8563	100.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 15:33:25
Run: 04FE104D5 Analyte: 23 Cal: 230204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total Tetra-Furans	-	-	n	-	0.9789	0.00	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total Tetra-Dioxins	-	-	n	-	1.0152	0.00	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 Penta-Furans	-	-	n	-	0.9781	0.00	n
Total F1 Penta-Furans	-	-	n	-	0.9781	0.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total Penta-Dioxins	-	-	n	-	0.9501	0.00	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	179507400	0.52	y	32:01	1.3593	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	0.8735	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.0845	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	0.9538	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	0.8239	2.50	n
Total Hexa-Furans	-	-	n	-	0.9339	0.00	n
13C-1,2,3,6,7,8-HxCDD	115477300	1.15	y	32:49	0.8744	100.00	n
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8131	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1767	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0140	2.50	n
Total Hexa-Dioxins	-	-	n	-	1.0012	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total Hepta-Furans	-	-	n	-	1.1246	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total Hepta-Dioxins	-	-	n	-	0.9611	0.00	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.4200	0.50	n
13C-2,3,4,7,8-PeCDF	187769500	1.58	y	26:00	0.9982	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	0.7600	100.00	n
13C-1,2,3,4,7,8-HxCDD	94015040	1.44	n	32:43	0.8141	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	107126300	0.44	y	35:42	0.8563	100.00	n

Run #3 Filename 04FE104D5 S: 3 I: 1
Acquired: 4-FEB-10 11:10:23 Processed: 4-FEB-10 15:33:26
Run: 04FE104D5 Analyte: 23 Cal: 230204104D5
Comments:
Sample text: ST0204B :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	119443600	0.81	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	184895500	0.78	y	18:50	1.5480	100.00	n
2,3,7,8-TCDF	3767230	0.82	y	18:51	1.0187	2.00	n
Total Tetra-Furans	-	-	n	-	1.0187	0.00	n
13C-2,3,7,8-TCDD	113971500	0.82	y	19:38	0.9542	100.00	n
2,3,7,8-TCDD	2253860	0.86	y	19:39	0.9888	2.00	n
Total Tetra-Dioxins	-	-	n	-	0.9888	0.00	n
13C-1,2,3,7,8-PeCDF	147396100	1.61	y	24:32	1.2340	100.00	n
1,2,3,7,8-PeCDF	15277420	1.58	y	24:33	1.0365	10.00	n
2,3,4,7,8-PeCDF	14567090	1.54	y	26:02	0.9883	10.00	n
Total F2 Penta-Furans	-	-	n	-	1.0124	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.0124	0.00	n
13C-1,2,3,7,8-PeCDD	88219000	1.64	y	26:50	0.7386	100.00	n
1,2,3,7,8-PeCDD	8822860	1.54	y	26:50	1.0001	10.00	n
Total Penta-Dioxins	-	-	n	-	1.0001	0.00	n
13C-1,2,3,7,8,9-HxCDD	106001600	1.28	y	33:05	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	139632700	0.52	y	32:01	1.3173	100.00	n
1,2,3,4,7,8-HxCDF	12456270	1.22	y	31:56	0.8921	10.00	n
1,2,3,6,7,8-HxCDF	15409960	1.22	y	32:02	1.1036	10.00	n
2,3,4,6,7,8-HxCDF	13773430	1.21	y	32:37	0.9864	10.00	n
1,2,3,7,8,9-HxCDF	12390480	1.21	y	33:16	0.8874	10.00	n
Total Hexa-Furans	-	-	n	-	0.9674	0.00	n
13C-1,2,3,6,7,8-HxCDD	94225700	1.25	y	32:48	0.8889	100.00	n
1,2,3,4,7,8-HxCDD	7594000	1.27	y	32:44	0.8059	10.00	n
1,2,3,6,7,8-HxCDD	10710000	1.29	y	32:49	1.1366	10.00	n
1,2,3,7,8,9-HxCDD	10153830	1.27	y	33:06	1.0776	10.00	n
Total Hexa-Dioxins	-	-	n	-	1.0067	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	97712400	0.43	y	34:35	0.9218	100.00	n
1,2,3,4,6,7,8-HpCDF	12228700	0.94	y	34:36	1.2515	10.00	n
1,2,3,4,7,8,9-HpCDF	10148100	0.93	y	35:43	1.0386	10.00	n
Total Hepta-Furans	-	-	n	-	1.1450	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	80860300	1.08	y	35:23	0.7628	100.00	n
1,2,3,4,6,7,8-HpCDD	8329100	1.07	y	35:24	1.0301	10.00	n
Total Hepta-Dioxins	-	-	n	-	1.0301	0.00	n
13C-OCDD	114322200	0.93	y	37:52	0.5392	200.00	n
OCDF	17074150	0.92	y	37:59	1.4935	20.00	n
OCDD	13280390	0.85	y	37:53	1.1617	20.00	n
37Cl-2,3,7,8-TCDD	5379700	1.00	y	19:39	2.3601	2.00	n
13C-2,3,4,7,8-PeCDF	144526200	1.62	y	26:01	0.9805	100.00	n
13C-1,2,3,4,7,8-HxCDF	104159500	0.52	y	31:55	0.7460	100.00	n
13C-1,2,3,4,7,8-HxCDD	72932700	1.26	y	32:43	0.7740	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	83312200	0.44	y	35:42	0.8526	100.00	n

Run #4 Filename 04FE104D5 S: 4 I: 1
Acquired: 4-FEB-10 11:54:32 Processed: 4-FEB-10 15:33:27
Run: 04FE104D5 Analyte: 23 Cal: 230204104D5
Comments:
Sample text: ST0204C :CS-5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	173717900	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	280340000	0.78	y	18:49	1.6138	100.00	n
2,3,7,8-TCDF	612197000	0.75	y	18:51	1.0919	200.00	n
Total Tetra-Furans	-	-	n	-	1.0919	0.00	n
13C-2,3,7,8-TCDD	188346700	0.82	y	19:36	1.0842	100.00	n
2,3,7,8-TCDD	416662000	0.81	y	19:37	1.1061	200.00	n
Total Tetra-Dioxins	-	-	n	-	1.1061	0.00	n
13C-1,2,3,7,8-PeCDF	267395000	1.60	y	24:28	1.5392	100.00	n
1,2,3,7,8-PeCDF	2917600000	1.54	y	24:30	1.0911	1000.00	n
2,3,4,7,8-PeCDF	2821390000	1.53	y	25:59	1.0551	1000.00	n
Total F2 Penta-Furans	-	-	n	-	1.0731	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.0731	0.00	n
13C-1,2,3,7,8-PeCDD	162818900	1.62	y	26:45	0.9373	100.00	n
1,2,3,7,8-PeCDD	1778462000	1.61	y	26:47	1.0923	1000.00	n
Total Penta-Dioxins	-	-	n	-	1.0923	0.00	n
13C-1,2,3,7,8,9-HxCDD	188905200	1.29	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	263788900	0.53	y	32:01	1.3964	100.00	n
1,2,3,4,7,8-HxCDF	2623970000	1.27	y	31:54	0.9947	1000.00	n
1,2,3,6,7,8-HxCDF	2995860000	1.18	y	32:01	1.1357	1000.00	n
2,3,4,6,7,8-HxCDF	2711600000	1.21	y	32:36	1.0279	1000.00	n
1,2,3,7,8,9-HxCDF	2564680000	1.22	y	33:15	0.9722	1000.00	n
Total Hexa-Furans	-	-	n	-	1.0327	0.00	n
13C-1,2,3,6,7,8-HxCDD	178668900	1.29	y	32:47	0.9458	100.00	n
1,2,3,4,7,8-HxCDD	1643209000	1.25	y	32:44	0.9197	1000.00	n
1,2,3,6,7,8-HxCDD	2150479000	1.28	y	32:48	1.2036	1000.00	n
1,2,3,7,8,9-HxCDD	2142360000	1.27	y	33:05	1.1991	1000.00	n
Total Hexa-Dioxins	-	-	n	-	1.1075	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	188302900	0.45	y	34:35	0.9968	100.00	n
1,2,3,4,6,7,8-HpCDF	2469880000	0.96	y	34:35	1.3117	1000.00	n
1,2,3,4,7,8,9-HpCDF	2135880000	0.95	y	35:42	1.1343	1000.00	n
Total Hepta-Furans	-	-	n	-	1.2230	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	160228900	1.08	y	35:23	0.8482	100.00	n
1,2,3,4,6,7,8-HpCDD	1747543000	1.05	y	35:23	1.0907	1000.00	n
Total Hepta-Dioxins	-	-	n	-	1.0907	0.00	n
13C-OCDD	244764000	0.94	y	37:52	0.6478	200.00	n
OCDF	3982740000	0.91	y	37:58	1.6272	2000.00	n
OCDD	2979250000	0.88	y	37:52	1.2172	2000.00	n
37Cl-2,3,7,8-TCDD	933520000	1.00	y	19:37	2.4782	200.00	n
13C-2,3,4,7,8-PeCDF	263548000	1.59	y	25:56	0.9856	100.00	n
13C-1,2,3,4,7,8-HxCDF	205334300	0.52	y	31:54	0.7784	100.00	n
13C-1,2,3,4,7,8-HxCDD	148479800	1.29	y	32:43	0.8310	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	163574900	0.45	y	35:42	0.8687	100.00	n

Run #5 Filename 04FE104D5 S: 5 I: 1
Acquired: 4-FEB-10 12:38:34 Processed: 4-FEB-10 15:33:27
Run: 04FE104D5 Analyte: 23 Cal: 230204104D5
Comments:
Sample text: ST0204D :CS-4 09DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	200569200	0.82	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	286249000	0.78	y	18:50	1.4272	100.00	n
2,3,7,8-TCDF	123538800	0.76	y	18:50	1.0789	40.00	n
Total Tetra-Furans	-	-	n	-	1.0789	0.00	n
13C-2,3,7,8-TCDD	192344200	0.82	y	19:36	0.9590	100.00	n
2,3,7,8-TCDD	83146500	0.80	y	19:38	1.0807	40.00	n
Total Tetra-Dioxins	-	-	n	-	1.0807	0.00	n
13C-1,2,3,7,8-PeCDF	253987000	1.59	y	24:29	1.2663	100.00	n
1,2,3,7,8-PeCDF	566693000	1.55	y	24:30	1.1156	200.00	n
2,3,4,7,8-PeCDF	552768000	1.53	y	25:59	1.0882	200.00	n
Total F2 Penta-Furans	-	-	n	-	1.1019	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.1019	0.00	n
13C-1,2,3,7,8-PeCDD	152080400	1.65	y	26:46	0.7582	100.00	n
1,2,3,7,8-PeCDD	339029000	1.61	y	26:47	1.1146	200.00	n
Total Penta-Dioxins	-	-	n	-	1.1146	0.00	n
13C-1,2,3,7,8,9-HxCDD	196662000	1.28	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	246494300	0.52	y	32:00	1.2534	100.00	n
1,2,3,4,7,8-HxCDF	478071000	1.20	y	31:54	0.9697	200.00	n
1,2,3,6,7,8-HxCDF	577346000	1.21	y	32:01	1.1711	200.00	n
2,3,4,6,7,8-HxCDF	527480000	1.23	y	32:35	1.0700	200.00	n
1,2,3,7,8,9-HxCDF	492635000	1.22	y	33:15	0.9993	200.00	n
Total Hexa-Furans	-	-	n	-	1.0525	0.00	n
13C-1,2,3,6,7,8-HxCDD	163221000	1.30	y	32:47	0.8300	100.00	n
1,2,3,4,7,8-HxCDD	320189000	1.26	y	32:43	0.9808	200.00	n
1,2,3,6,7,8-HxCDD	412557000	1.29	y	32:48	1.2638	200.00	n
1,2,3,7,8,9-HxCDD	418266000	1.28	y	33:05	1.2813	200.00	n
Total Hexa-Dioxins	-	-	n	-	1.1753	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	175463300	0.45	y	34:34	0.8922	100.00	n
1,2,3,4,6,7,8-HpCDF	472037000	0.96	y	34:35	1.3451	200.00	n
1,2,3,4,7,8,9-HpCDF	402257000	0.97	y	35:41	1.1463	200.00	n
Total Hepta-Furans	-	-	n	-	1.2457	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	147236900	1.08	y	35:23	0.7487	100.00	n
1,2,3,4,6,7,8-HpCDD	328342000	1.04	y	35:23	1.1150	200.00	n
Total Hepta-Dioxins	-	-	n	-	1.1150	0.00	n
13C-OCDD	213565000	0.94	y	37:51	0.5430	200.00	n
OCDF	717095000	0.91	y	37:58	1.6789	400.00	n
OCDD	537805000	0.89	y	37:52	1.2591	400.00	n
37Cl-2,3,7,8-TCDD	189544400	1.00	y	19:38	2.4636	40.00	n
13C-2,3,4,7,8-PeCDF	245976200	1.60	y	25:58	0.9685	100.00	n
13C-1,2,3,4,7,8-HxCDF	184325400	0.52	y	31:53	0.7478	100.00	n
13C-1,2,3,4,7,8-HxCDD	133661300	1.27	y	32:43	0.8189	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	147856100	0.45	y	35:41	0.8427	100.00	n

Run: 04FE104D5 Analyte: 0023A Cal: 0023A0204104D5

ST0204 :CS-3 09DXN425 ST0204A :CS-1 09DXN422 ST0204B :CS-2 09DXN423
ST0204C :CS-5 09DXN456 ST0204D :CS-4 09DXN426

Name	Mean	S. D.	%RSD	04FE104D5 S1 RRF1	04FE104D5 S2 RRF2	04FE104D5 S3 RRF3	04FE104D5 S4 RRF4	04FE104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.570	0.092	5.86 %	1.67	1.59	1.55	1.61	1.43
2,3,7,8-TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
Total Tetra-Furans	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
13C-2,3,7,8-TCDD	1.001	0.057	5.65 %	1.03	0.97	0.95	1.08	0.96
2,3,7,8-TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
Total Tetra-Dioxins	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
13C-1,2,3,7,8-PeCDF	1.337	0.127	9.47 %	1.38	1.26	1.23	1.54	1.27
1,2,3,7,8-PeCDF	1.070	0.057	5.34 %	1.12	0.99	1.04	1.09	1.12
2,3,4,7,8-PeCDF	1.036	0.054	5.21 %	1.08	0.97	0.99	1.06	1.09
Total F2 Penta-Furans	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
Total F1 Penta-Furans	1.053	0.055	5.24 %	1.10	0.98	1.01	1.07	1.10
13C-1,2,3,7,8-PeCDD	0.812	0.084	10.4 %	0.86	0.77	0.74	0.94	0.76
1,2,3,7,8-PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
Total Penta-Dioxins	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,6,7,8-HxCDF	1.331	0.053	3.99 %	1.33	1.36	1.32	1.40	1.25
1,2,3,4,7,8-HxCDF	0.944	0.057	6.08 %	0.99	0.87	0.89	0.99	0.97
1,2,3,6,7,8-HxCDF	1.135	0.041	3.65 %	1.18	1.08	1.10	1.14	1.17
2,3,4,6,7,8-HxCDF	1.020	0.050	4.85 %	1.06	0.95	0.99	1.03	1.07
1,2,3,7,8,9-HxCDF	0.929	0.072	7.76 %	0.96	0.82	0.89	0.97	1.00
Total Hexa-Furans	1.007	0.053	5.31 %	1.05	0.93	0.97	1.03	1.05
13C-1,2,3,6,7,8-HxCDD	0.884	0.041	4.69 %	0.88	0.88	0.89	0.95	0.83
1,2,3,4,7,8-HxCDD	0.903	0.090	10.0 %	1.00	0.81	0.81	0.92	0.98
1,2,3,6,7,8-HxCDD	1.190	0.048	4.00 %	1.17	1.17	1.14	1.20	1.26
1,2,3,7,8,9-HxCDD	1.158	0.110	9.50 %	1.22	1.01	1.08	1.20	1.28
Total Hexa-Dioxins	1.083	0.078	7.16 %	1.13	1.00	1.01	1.11	1.18

13C-1,2,3,4,6,7,8-HpCDF	0.945	0.040	4.25 %	0.97	0.95	0.92	1.00	0.89
1,2,3,4,6,7,8-HpCDF	1.299	0.053	4.10 %	1.35	1.24	1.25	1.31	1.35
1,2,3,4,7,8,9-HpCDF	1.102	0.071	6.42 %	1.17	1.01	1.04	1.13	1.15
Total Hepta-Furans	1.200	0.062	5.15 %	1.26	1.12	1.15	1.22	1.25
13C-1,2,3,4,6,7,8-HpCDD	0.793	0.040	5.08 %	0.82	0.79	0.76	0.85	0.75
1,2,3,4,6,7,8-HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
Total Hepta-Dioxins	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
13C-OCDD	0.582	0.046	7.84 %	0.61	0.57	0.54	0.65	0.54
OCDF	1.558	0.101	6.46 %	1.56	1.43	1.49	1.63	1.68
OCDD	1.193	0.056	4.70 %	1.21	1.11	1.16	1.22	1.26
37Cl-2,3,7,8-TCDD	2.413	0.060	2.50 %	2.34	2.42	2.36	2.48	2.46
13C-2,3,4,7,8-PeCDF	0.983	0.011	1.08 %	0.98	1.00	0.98	0.99	0.97
13C-1,2,3,4,7,8-HxCDF	0.762	0.015	2.02 %	0.78	0.76	0.75	0.78	0.75
13C-1,2,3,4,7,8-HxCDD	0.842	0.052	6.18 %	0.90	0.88	0.77	0.83	0.82
13C-1,2,3,4,7,8,9-HpCDF	0.860	0.015	1.71 %	0.88	0.86	0.85	0.87	0.84

Run #1 Filename 04FE104D5 S: 1 I: 1
Acquired: 4-FEB-10 09:42:23 Processed: 4-FEB-10 16:07:56
Run: 04FE104D5 Analyte: 0023A Cal: 0023A0204104D5
Comments:
Sample text: ST0204 :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	189539200	0.81	y	19:24	-	100.00	n
13C-2,3,7,8-TCDF	317104000	0.80	y	18:50	1.6730	100.00	n
2,3,7,8-TCDF	34666400	0.77	y	18:52	1.0932	10.00	n
Total Tetra-Furans	-	-	n	-	1.0932	0.00	n
13C-2,3,7,8-TCDD	196066400	0.81	y	19:38	1.0344	100.00	n
2,3,7,8-TCDD	21159740	0.80	y	19:38	1.0792	10.00	n
Total Tetra-Dioxins	-	-	n	-	1.0792	0.00	n
13C-1,2,3,7,8-PeCDF	261875000	1.62	y	24:30	1.3816	100.00	n
1,2,3,7,8-PeCDF	146433400	1.57	y	24:31	1.1183	50.00	n
2,3,4,7,8-PeCDF	141427200	1.56	y	26:00	1.0801	50.00	n
Total F2 Penta-Furans	-	-	n	-	1.0992	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.0992	0.00	n
13C-1,2,3,7,8-PeCDD	163034900	1.56	y	26:47	0.8602	100.00	n
1,2,3,7,8-PeCDD	84173600	1.59	y	26:48	1.0326	50.00	n
Total Penta-Dioxins	-	-	n	-	1.0326	0.00	n
13C-1,2,3,7,8,9-HxCDD	192024700	1.28	y	33:05	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	255414600	0.53	y	32:01	1.3301	100.00	n
1,2,3,4,7,8-HxCDF	126685400	1.22	y	31:55	0.9920	50.00	n
1,2,3,6,7,8-HxCDF	150675100	1.24	y	32:02	1.1798	50.00	n
2,3,4,6,7,8-HxCDF	135577900	1.22	y	32:37	1.0616	50.00	n
1,2,3,7,8,9-HxCDF	123051700	1.23	y	33:16	0.9635	50.00	n
Total Hexa-Furans	-	-	n	-	1.0493	0.00	n
13C-1,2,3,6,7,8-HxCDD	168632300	1.28	y	32:49	0.8782	100.00	n
1,2,3,4,7,8-HxCDD	83924500	1.26	y	32:45	0.9954	50.00	n
1,2,3,6,7,8-HxCDD	98833700	1.28	y	32:49	1.1722	50.00	n
1,2,3,7,8,9-HxCDD	102764300	1.25	y	33:06	1.2188	50.00	n
Total Hexa-Dioxins	-	-	n	-	1.1288	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	185458700	0.45	y	34:36	0.9658	100.00	n
1,2,3,4,6,7,8-HpCDF	125289400	0.97	y	34:36	1.3511	50.00	n
1,2,3,4,7,8,9-HpCDF	108908000	0.96	y	35:43	1.1745	50.00	n
Total Hepta-Furans	-	-	n	-	1.2628	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	156732500	1.06	y	35:23	0.8162	100.00	n
1,2,3,4,6,7,8-HpCDD	84887300	1.06	y	35:24	1.0832	50.00	n
Total Hepta-Dioxins	-	-	n	-	1.0832	0.00	n
13C-OCDD	232720000	0.91	y	37:52	0.6060	200.00	n
OCDF	181605400	0.91	y	37:59	1.5607	100.00	n
OCDD	141182300	0.89	y	37:53	1.2133	100.00	n
37Cl-2,3,7,8-TCDD	45936600	1.00	y	19:38	2.3429	10.00	n
13C-2,3,4,7,8-PeCDF	257288600	1.58	y	25:59	0.9825	100.00	n

13C-1,2,3,4,7,8-HxCDF	198335800	0.53	y	31:54	0.7765	100.00	n
13C-1,2,3,4,7,8-HxCDD	152305100	1.29	y	32:44	0.9032	100.00	n
13C-1,2,3,4,7,8,9-HpCDF	163292100	0.46	y	35:42	0.8805	100.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 16:07:57
Run: 04FE104D5 Analyte: 0023A Cal: 0023A0204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total Tetra-Furans	-	-	n	-	0.9789	0.00	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total Tetra-Dioxins	-	-	n	-	1.0152	0.00	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 Penta-Furans	-	-	n	-	0.9781	0.00	n
Total F1 Penta-Furans	-	-	n	-	0.9781	0.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total Penta-Dioxins	-	-	n	-	0.9501	0.00	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	179507400	0.52	y	32:01	1.3593	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	0.8735	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.0845	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	0.9538	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	0.8239	2.50	n
Total Hexa-Furans	-	-	n	-	0.9339	0.00	n
13C-1,2,3,6,7,8-HxCDD	115723500	1.28	y	32:49	0.8763	100.00	y ✓
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8113	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1742	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0119	2.50	n
Total Hexa-Dioxins	-	-	n	-	0.9991	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total Hepta-Furans	-	-	n	-	1.1246	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total Hepta-Dioxins	-	-	n	-	0.9611	0.00	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.4200	0.50	n
13C-2,3,4,7,8-PeCDF	187769500	1.58	y	26:00	0.9982	100.00	n

13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	0.7600	100.00	n
13C-1,2,3,4,7,8-HxCDD	102401400	1.28	y	32:43	0.8849	100.00	y✓
13C-1,2,3,4,7,8,9-HpCDF	107126300	0.44	y	35:42	0.8563	100.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 16:07:57
Run: 04FE104D5 Analyte: 0023A Cal: 0023A0204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total Tetra-Furans	-	-	n	-	0.9789	0.00	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total Tetra-Dioxins	-	-	n	-	1.0152	0.00	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9700	2.50	n
Total F2 Penta-Furans	-	-	n	-	0.9781	0.00	n
Total F1 Penta-Furans	-	-	n	-	0.9781	0.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total Penta-Dioxins	-	-	n	-	0.9501	0.00	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	179507400	0.52	y	32:01	1.3593	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	0.8735	2.50	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.0845	2.50	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	0.9538	2.50	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	0.8239	2.50	n
Total Hexa-Furans	-	-	n	-	0.9339	0.00	n
13C-1,2,3,6,7,8-HxCDD	115477300	1.15	y	32:49	0.8744	100.00	n
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.8131	2.50	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1767	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0140	2.50	n
Total Hexa-Dioxins	-	-	n	-	1.0012	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.0141	2.50	n
Total Hepta-Furans	-	-	n	-	1.1246	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total Hepta-Dioxins	-	-	n	-	0.9611	0.00	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.4200	0.50	n
13C-2,3,4,7,8-PeCDF	187769500	1.58	y	26:00	0.9982	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	0.7600	100.00	n
13C-1,2,3,4,7,8-HxCDD	94015040	1.44	n	32:43	0.8141	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	107126300	0.44	y	35:42	0.8563	100.00	n

Run #3 Filename 04FE104D5 S: 3 I: 1
Acquired: 4-FEB-10 11:10:23 Processed: 4-FEB-10 16:07:57
Run: 04FE104D5 Analyte: 0023A Cal: 0023A0204104D5
Comments:
Sample text: ST0204B :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	119443600	0.81	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	184895500	0.78	y	18:50	1.5480	100.00	n
2,3,7,8-TCDF	3767230	0.82	y	18:51	1.0187	2.00	n
Total Tetra-Furans	-	-	n	-	1.0187	0.00	n
13C-2,3,7,8-TCDD	113971500	0.82	y	19:38	0.9542	100.00	n
2,3,7,8-TCDD	2253860	0.86	y	19:39	0.9888	2.00	n
Total Tetra-Dioxins	-	-	n	-	0.9888	0.00	n
13C-1,2,3,7,8-PeCDF	147396100	1.61	y	24:32	1.2340	100.00	n
1,2,3,7,8-PeCDF	15277420	1.58	y	24:33	1.0365	10.00	n
2,3,4,7,8-PeCDF	14567090	1.54	y	26:02	0.9883	10.00	n
Total F2 Penta-Furans	-	-	n	-	1.0124	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.0124	0.00	n
13C-1,2,3,7,8-PeCDD	88219000	1.64	y	26:50	0.7386	100.00	n
1,2,3,7,8-PeCDD	8822860	1.54	y	26:50	1.0001	10.00	n
Total Penta-Dioxins	-	-	n	-	1.0001	0.00	n
13C-1,2,3,7,8,9-HxCDD	106001600	1.28	y	33:05	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	139632700	0.52	y	32:01	1.3173	100.00	n
1,2,3,4,7,8-HxCDF	12456270	1.22	y	31:56	0.8921	10.00	n
1,2,3,6,7,8-HxCDF	15409960	1.22	y	32:02	1.1036	10.00	n
2,3,4,6,7,8-HxCDF	13773430	1.21	y	32:37	0.9864	10.00	n
1,2,3,7,8,9-HxCDF	12390480	1.21	y	33:16	0.8874	10.00	n
Total Hexa-Furans	-	-	n	-	0.9674	0.00	n
13C-1,2,3,6,7,8-HxCDD	94225700	1.25	y	32:48	0.8889	100.00	n
1,2,3,4,7,8-HxCDD	7594000	1.27	y	32:44	0.8059	10.00	n
1,2,3,6,7,8-HxCDD	10710000	1.29	y	32:49	1.1366	10.00	n
1,2,3,7,8,9-HxCDD	10153830	1.27	y	33:06	1.0776	10.00	n
Total Hexa-Dioxins	-	-	n	-	1.0067	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	97712400	0.43	y	34:35	0.9218	100.00	n
1,2,3,4,6,7,8-HpCDF	12228700	0.94	y	34:36	1.2515	10.00	n
1,2,3,4,7,8,9-HpCDF	10148100	0.93	y	35:43	1.0386	10.00	n
Total Hepta-Furans	-	-	n	-	1.1450	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	80860300	1.08	y	35:23	0.7628	100.00	n
1,2,3,4,6,7,8-HpCDD	8329100	1.07	y	35:24	1.0301	10.00	n
Total Hepta-Dioxins	-	-	n	-	1.0301	0.00	n
13C-OCDD	114322200	0.93	y	37:52	0.5392	200.00	n
OCDF	17074150	0.92	y	37:59	1.4935	20.00	n
OCDD	13280390	0.85	y	37:53	1.1617	20.00	n
37Cl-2,3,7,8-TCDD	5379700	1.00	y	19:39	2.3601	2.00	n
13C-2,3,4,7,8-PeCDF	144526200	1.62	y	26:01	0.9805	100.00	n
13C-1,2,3,4,7,8-HxCDF	104159500	0.52	y	31:55	0.7460	100.00	n
13C-1,2,3,4,7,8-HxCDD	72932700	1.26	y	32:43	0.7740	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	83312200	0.44	y	35:42	0.8526	100.00	n

Run #4 Filename 04FE104D5 S: 4 I: 1
Acquired: 4-FEB-10 11:54:32 Processed: 4-FEB-10 16:07:58
Run: 04FE104D5 Analyte: 0023A Cal: 0023A0204104D5
Comments:
Sample text: ST0204C :CS-5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	173717900	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	280340000	0.78	y	18:49	1.6138	100.00	n
2,3,7,8-TCDF	612197000	0.75	y	18:51	1.0919	200.00	n
Total Tetra-Furans	-	-	n	-	1.0919	0.00	n
13C-2,3,7,8-TCDD	188346700	0.82	y	19:36	1.0842	100.00	n
2,3,7,8-TCDD	416662000	0.81	y	19:37	1.1061	200.00	n
Total Tetra-Dioxins	-	-	n	-	1.1061	0.00	n
13C-1,2,3,7,8-PeCDF	267395000	1.60	y	24:28	1.5392	100.00	n
1,2,3,7,8-PeCDF	2917600000	1.54	y	24:30	1.0911	1000.00	n
2,3,4,7,8-PeCDF	2821390000	1.53	y	25:59	1.0551	1000.00	n
Total F2 Penta-Furans	-	-	n	-	1.0731	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.0731	0.00	n
13C-1,2,3,7,8-PeCDD	162818900	1.62	y	26:45	0.9373	100.00	n
1,2,3,7,8-PeCDD	1778462000	1.61	y	26:47	1.0923	1000.00	n
Total Penta-Dioxins	-	-	n	-	1.0923	0.00	n
13C-1,2,3,7,8,9-HxCDD	188905200	1.29	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	263788900	0.53	y	32:01	1.3964	100.00	n
1,2,3,4,7,8-HxCDF	2623970000	1.27	y	31:54	0.9947	1000.00	n
1,2,3,6,7,8-HxCDF	2995860000	1.18	y	32:01	1.1357	1000.00	n
2,3,4,6,7,8-HxCDF	2711600000	1.21	y	32:36	1.0279	1000.00	n
1,2,3,7,8,9-HxCDF	2564680000	1.22	y	33:15	0.9722	1000.00	n
Total Hexa-Furans	-	-	n	-	1.0327	0.00	n
13C-1,2,3,6,7,8-HxCDD	178668900	1.29	y	32:47	0.9458	100.00	n
1,2,3,4,7,8-HxCDD	1643209000	1.25	y	32:44	0.9197	1000.00	n
1,2,3,6,7,8-HxCDD	2150479000	1.28	y	32:48	1.2036	1000.00	n
1,2,3,7,8,9-HxCDD	2142360000	1.27	y	33:05	1.1991	1000.00	n
Total Hexa-Dioxins	-	-	n	-	1.1075	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	188302900	0.45	y	34:35	0.9968	100.00	n
1,2,3,4,6,7,8-HpCDF	2469880000	0.96	y	34:35	1.3117	1000.00	n
1,2,3,4,7,8,9-HpCDF	2135880000	0.95	y	35:42	1.1343	1000.00	n
Total Hepta-Furans	-	-	n	-	1.2230	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	160228900	1.08	y	35:23	0.8482	100.00	n
1,2,3,4,6,7,8-HpCDD	1747543000	1.05	y	35:23	1.0907	1000.00	n
Total Hepta-Dioxins	-	-	n	-	1.0907	0.00	n
13C-OCDD	244764000	0.94	y	37:52	0.6478	200.00	n
OCDF	3982740000	0.91	y	37:58	1.6272	2000.00	n
OCDD	2979250000	0.88	y	37:52	1.2172	2000.00	n
37Cl-2,3,7,8-TCDD	933520000	1.00	y	19:37	2.4782	200.00	n
13C-2,3,4,7,8-PeCDF	263548000	1.59	y	25:56	0.9856	100.00	n
13C-1,2,3,4,7,8-HxCDF	205334300	0.52	y	31:54	0.7784	100.00	n
13C-1,2,3,4,7,8-HxCDD	148479800	1.29	y	32:43	0.8310	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	163574900	0.45	y	35:42	0.8687	100.00	n

Run #5 Filename 04FE104D5 S: 5 I: 1
Acquired: 4-FEB-10 12:38:34 Processed: 4-FEB-10 16:07:58
Run: 04FE104D5 Analyte: 0023A Cal: 0023A0204104D5
Comments:
Sample text: ST0204D :CS-4 09DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	200569200	0.82	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	286249000	0.78	y	18:50	1.4272	100.00	n
2,3,7,8-TCDF	123538800	0.76	y	18:50	1.0789	40.00	n
Total Tetra-Furans	-	-	n	-	1.0789	0.00	n
13C-2,3,7,8-TCDD	192344200	0.82	y	19:36	0.9590	100.00	n
2,3,7,8-TCDD	83146500	0.80	y	19:38	1.0807	40.00	n
Total Tetra-Dioxins	-	-	n	-	1.0807	0.00	n
13C-1,2,3,7,8-PeCDF	253987000	1.59	y	24:29	1.2663	100.00	n
1,2,3,7,8-PeCDF	566693000	1.55	y	24:30	1.1156	200.00	n
2,3,4,7,8-PeCDF	552768000	1.53	y	25:59	1.0882	200.00	n
Total F2 Penta-Furans	-	-	n	-	1.1019	0.00	n
Total F1 Penta-Furans	-	-	n	-	1.1019	0.00	n
13C-1,2,3,7,8-PeCDD	152080400	1.65	y	26:46	0.7582	100.00	n
1,2,3,7,8-PeCDD	339029000	1.61	y	26:47	1.1146	200.00	n
Total Penta-Dioxins	-	-	n	-	1.1146	0.00	n
13C-1,2,3,7,8,9-HxCDD	196662000	1.28	y	33:04	-	100.00	n
13C-1,2,3,6,7,8-HxCDF	246494300	0.52	y	32:00	1.2534	100.00	n
1,2,3,4,7,8-HxCDF	478071000	1.20	y	31:54	0.9697	200.00	n
1,2,3,6,7,8-HxCDF	577346000	1.21	y	32:01	1.1711	200.00	n
2,3,4,6,7,8-HxCDF	527480000	1.23	y	32:35	1.0700	200.00	n
1,2,3,7,8,9-HxCDF	492635000	1.22	y	33:15	0.9993	200.00	n
Total Hexa-Furans	-	-	n	-	1.0525	0.00	n
13C-1,2,3,6,7,8-HxCDD	163221000	1.30	y	32:47	0.8300	100.00	n
1,2,3,4,7,8-HxCDD	320189000	1.26	y	32:43	0.9808	200.00	n
1,2,3,6,7,8-HxCDD	412557000	1.29	y	32:48	1.2638	200.00	n
1,2,3,7,8,9-HxCDD	418266000	1.28	y	33:05	1.2813	200.00	n
Total Hexa-Dioxins	-	-	n	-	1.1753	0.00	n
13C-1,2,3,4,6,7,8-HpCDF	175463300	0.45	y	34:34	0.8922	100.00	n
1,2,3,4,6,7,8-HpCDF	472037000	0.96	y	34:35	1.3451	200.00	n
1,2,3,4,7,8,9-HpCDF	402257000	0.97	y	35:41	1.1463	200.00	n
Total Hepta-Furans	-	-	n	-	1.2457	0.00	n
13C-1,2,3,4,6,7,8-HpCDD	147236900	1.08	y	35:23	0.7487	100.00	n
1,2,3,4,6,7,8-HpCDD	328342000	1.04	y	35:23	1.1150	200.00	n
Total Hepta-Dioxins	-	-	n	-	1.1150	0.00	n
13C-OCDD	213565000	0.94	y	37:51	0.5430	200.00	n
OCDF	717095000	0.91	y	37:58	1.6789	400.00	n
OCDD	537805000	0.89	y	37:52	1.2591	400.00	n
37Cl-2,3,7,8-TCDD	189544400	1.00	y	19:38	2.4636	40.00	n
13C-2,3,4,7,8-PeCDF	245976200	1.60	y	25:58	0.9685	100.00	n
13C-1,2,3,4,7,8-HxCDF	184325400	0.52	y	31:53	0.7478	100.00	n
13C-1,2,3,4,7,8-HxCDD	133661300	1.27	y	32:43	0.8189	100.00	n

13C-1,2,3,4,7,8,9-HpCDF	147856100	0.45	y	35:41	0.8427	100.00	n

Run: 04FE104D5 Analyte: 1613 Cal: 1613O204104D5

ST0204 :CS-3 09DXN425 ST0204A :CS-1 09DXN422 ST0204B :CS-2 09DXN423
ST0204C :CS-5 09DXN456 ST0204D :CS-4 09DXN426

Name	Mean	S. D.	%RSD	04FE104D5 S1 RRF1	04FE104D5 S2 RRF2	04FE104D5 S3 RRF3	04FE104D5 S4 RRF4	04FE104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.570	0.092	5.86 %	1.67	1.59	1.55	1.61	1.43
2,3,7,8-TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
Total TCDF	1.052	0.051	4.86 %	1.09	0.98	1.02	1.09	1.08
13C-2,3,7,8-TCDD	1.001	0.057	5.65 %	1.03	0.97	0.95	1.08	0.96
2,3,7,8-TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
Total TCDD	1.054	0.050	4.70 %	1.08	1.02	0.99	1.11	1.08
37Cl-2,3,7,8-TCDD	2.416	0.164	6.77 %	2.42	2.35	2.25	2.69	2.36
13C-1,2,3,7,8-PeCDF	1.337	0.127	9.47 %	1.38	1.26	1.23	1.54	1.27
1,2,3,7,8-PeCDF	1.070	0.057	5.34 %	1.12	0.99	1.04	1.09	1.12
13C-2,3,4,7,8-PeCDF	1.314	0.127	9.67 %	1.36	1.26	1.21	1.52	1.23
2,3,4,7,8-PeCDF	1.055	0.063	6.01 %	1.10	0.97	1.01	1.07	1.12
Total F2 PeCDF	1.062	0.060	5.64 %	1.11	0.98	1.02	1.08	1.12
Total F1 PeCDF	1.062	0.060	5.64 %	1.11	0.98	1.02	1.08	1.12
13C-1,2,3,7,8-PeCDD	0.812	0.084	10.4 %	0.86	0.77	0.74	0.94	0.76
1,2,3,7,8-PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
Total PeCDD	1.038	0.067	6.47 %	1.03	0.95	1.00	1.09	1.11
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.015	0.057	5.60 %	1.03	1.03	0.98	1.09	0.94
1,2,3,4,7,8-HxCDF	1.239	0.064	5.14 %	1.28	1.15	1.20	1.28	1.30
13C-1,2,3,6,7,8-HxCDF	1.331	0.053	3.99 %	1.33	1.36	1.32	1.40	1.25
1,2,3,6,7,8-HxCDF	1.135	0.041	3.65 %	1.18	1.08	1.10	1.14	1.17
13C-2,3,4,6,7,8-HxCDF	1.182	0.058	4.87 %	1.20	1.21	1.15	1.25	1.10
2,3,4,6,7,8-HxCDF	1.149	0.056	4.83 %	1.17	1.07	1.13	1.15	1.22
13C-1,2,3,7,8,9-HxCDF	1.095	0.053	4.88 %	1.10	1.08	1.05	1.18	1.06
1,2,3,7,8,9-HxCDF	1.128	0.058	5.18 %	1.16	1.03	1.11	1.15	1.18

Total HxCDF	1.160	0.052	4.51 %	1.20	1.08	1.13	1.17	1.21
13C-1,2,3,4,7,8-HxCDD	0.744	0.056	7.49 %	0.79	0.78	0.69	0.79	0.68
1,2,3,4,7,8-HxCDD	1.073	0.104	9.65 %	1.10	0.92	1.04	1.11	1.20
13C-1,2,3,6,7,8-HxCDD	0.884	0.041	4.68 %	0.88	0.88	0.89	0.95	0.83
1,2,3,6,7,8-HxCDD	1.190	0.048	4.00 %	1.17	1.17	1.14	1.20	1.26
1,2,3,7,8,9-HxCDD	1.258	0.124	9.88 %	1.28	1.07	1.21	1.31	1.41
Total HxCDD	1.177	0.086	7.34 %	1.19	1.06	1.13	1.21	1.29
13C-1,2,3,4,6,7,8-HpCDF	0.945	0.040	4.25 %	0.97	0.95	0.92	1.00	0.89
1,2,3,4,6,7,8-HpCDF	1.299	0.053	4.10 %	1.35	1.24	1.25	1.31	1.35
13C-1,2,3,4,7,8,9-HpCDF	0.813	0.047	5.73 %	0.85	0.81	0.79	0.87	0.75
1,2,3,4,7,8,9-HpCDF	1.280	0.076	5.92 %	1.33	1.18	1.22	1.31	1.36
Total HpCDF	1.290	0.063	4.91 %	1.34	1.21	1.24	1.31	1.35
13C-1,2,3,4,6,7,8-HpCDD	0.793	0.040	5.08 %	0.82	0.79	0.76	0.85	0.75
1,2,3,4,6,7,8-HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
Total HpCDD	1.056	0.061	5.82 %	1.08	0.96	1.03	1.09	1.12
13C-OCDD	0.582	0.046	7.84 %	0.61	0.57	0.54	0.65	0.54
OCDF	1.558	0.101	6.46 %	1.56	1.43	1.49	1.63	1.68
OCDD	1.193	0.056	4.70 %	1.21	1.11	1.16	1.22	1.26

Run #1 Filename 04FE104D5 S: 1 I: 1
Acquired: 4-FEB-10 09:42:23 Processed: 4-FEB-10 12:11:55
Run: 04FE104D5 Analyte: 1613 Cal: 16130204104D5
Comments:
Sample text: ST0204 :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	189539200	0.81	y	19:24	-	100.00	n
13C-2,3,7,8-TCDF	317104000	0.80	y	18:50	1.6730	100.00	n
2,3,7,8-TCDF	34666400	0.77	y	18:52	1.0932	10.00	n
Total TCDF	-	-	n	-	1.0932	10.00	n
13C-2,3,7,8-TCDD	196066400	0.81	y	19:38	1.0344	100.00	n
2,3,7,8-TCDD	21159740	0.80	y	19:38	1.0792	10.00	n
Total TCDD	-	-	n	-	1.0792	10.00	n
37Cl-2,3,7,8-TCDD	45936600	1.00	y	19:38	2.4236	10.00	n
13C-1,2,3,7,8-PeCDF	261875000	1.62	y	24:30	1.3816	100.00	n
1,2,3,7,8-PeCDF	146433400	1.57	y	24:31	1.1183	50.00	n
13C-2,3,4,7,8-PeCDF	257288600	1.58	y	25:59	1.3574	100.00	n
2,3,4,7,8-PeCDF	141427200	1.56	y	26:00	1.0994	50.00	n
Total F2 PeCDF	-	-	n	-	1.1089	50.00	n
Total F1 PeCDF	-	-	n	-	1.1089	100.00	n
13C-1,2,3,7,8-PeCDD	163034900	1.56	y	26:47	0.8602	100.00	n
1,2,3,7,8-PeCDD	84173600	1.59	y	26:48	1.0326	50.00	n
Total PeCDD	-	-	n	-	1.0326	50.00	n
13C-1,2,3,7,8,9-HxCDD	192024700	1.28	y	33:05	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	198335800	0.53	y	31:54	1.0329	100.00	n
1,2,3,4,7,8-HxCDF	126685400	1.22	y	31:55	1.2775	50.00	n
13C-1,2,3,6,7,8-HxCDF	255414600	0.53	y	32:01	1.3301	100.00	n
1,2,3,6,7,8-HxCDF	150675100	1.24	y	32:02	1.1798	50.00	n
13C-2,3,4,6,7,8-HxCDF	231131900	0.51	y	32:36	1.2037	100.00	n
2,3,4,6,7,8-HxCDF	135577900	1.22	y	32:37	1.1732	50.00	n
13C-1,2,3,7,8,9-HxCDF	211773800	0.52	y	33:15	1.1028	100.00	n
1,2,3,7,8,9-HxCDF	123051700	1.23	y	33:16	1.1621	50.00	n
Total HxCDF	-	-	n	-	1.1955	200.00	n
13C-1,2,3,4,7,8-HxCDD	152305100	1.29	y	32:44	0.7932	100.00	n
1,2,3,4,7,8-HxCDD	83924500	1.26	y	32:45	1.1021	50.00	n
13C-1,2,3,6,7,8-HxCDD	168632300	1.28	y	32:49	0.8782	100.00	n
1,2,3,6,7,8-HxCDD	98833700	1.28	y	32:49	1.1722	50.00	n
1,2,3,7,8,9-HxCDD	102764300	1.25	y	33:06	1.2808	50.00	n
Total HxCDD	-	-	n	-	1.1862	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	185458700	0.45	y	34:36	0.9658	100.00	n
1,2,3,4,6,7,8-HpCDF	125289400	0.97	y	34:36	1.3511	50.00	n
13C-1,2,3,4,7,8,9-HpCDF	163292100	0.46	y	35:42	0.8504	100.00	n
1,2,3,4,7,8,9-HpCDF	108908000	0.96	y	35:43	1.3339	50.00	n
Total HpCDF	-	-	n	-	1.3431	100.00	n

13C-1,2,3,4,6,7,8-HpCDD	156732500	1.06	y	35:23	0.8162	100.00	n
1,2,3,4,6,7,8-HpCDD	84887300	1.06	y	35:24	1.0832	50.00	n
Total HpCDD	-	-	n	-	1.0832	50.00	n
13C-OCDD	232720000	0.91	y	37:52	0.6060	200.00	n
OCDF	181605400	0.91	y	37:59	1.5607	100.00	n
OCDD	141182300	0.89	y	37:53	1.2133	100.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 12:11:56
Run: 04FE104D5 Analyte: 1613 Cal: 16130204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total TCDF	-	-	n	-	0.9789	0.50	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total TCDD	-	-	n	-	1.0152	0.50	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.3536	0.50	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
13C-2,3,4,7,8-PeCDF	187769500	1.58	y	26:00	1.2597	100.00	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9718	2.50	n
Total F2 PeCDF	-	-	n	-	0.9790	2.50	n
Total F1 PeCDF	-	-	n	-	0.9790	5.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total PeCDD	-	-	n	-	0.9501	2.50	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	1.0331	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	1.1493	2.50	n
13C-1,2,3,6,7,8-HxCDF	179507400	0.52	y	32:01	1.3593	100.00	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.0845	2.50	n
13C-2,3,4,6,7,8-HxCDF	159876000	0.52	y	32:35	1.2106	100.00	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	1.0709	2.50	n
13C-1,2,3,7,8,9-HxCDF	142987900	0.52	y	33:16	1.0828	100.00	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	1.0343	2.50	n
Total HxCDF	-	-	n	-	1.0837	10.00	n
13C-1,2,3,4,7,8-HxCDD	102380600	1.28	y	32:43	0.7753	100.00	y ✓
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.9171	2.50	n
13C-1,2,3,6,7,8-HxCDD	115745500	1.28	y	32:49	0.8765	100.00	y ✓
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1739	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.0737	2.50	n
Total HxCDD	-	-	n	-	1.0601	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
13C-1,2,3,4,7,8,9-HpCDF	107126300	0.44	y	35:42	0.8112	100.00	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.1843	2.50	n
Total HpCDF	-	-	n	-	1.2117	5.00	n

13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total HpCDD	-	-	n	-	0.9611	2.50	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n

Run #2 Filename 04FE104D5 S: 2 I: 1
Acquired: 4-FEB-10 10:26:20 Processed: 4-FEB-10 12:11:56
Run: 04FE104D5 Analyte: 1613 Cal: 16130204104D5
Comments:
Sample text: ST0204A :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	149053200	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	237038000	0.79	y	18:50	1.5903	100.00	n
2,3,7,8-TCDF	1160135	0.71	y	18:52	0.9789	0.50	n
Total TCDF	-	-	n	-	0.9789	0.50	n
13C-2,3,7,8-TCDD	144961800	0.81	y	19:38	0.9726	100.00	n
2,3,7,8-TCDD	735811	0.77	y	19:39	1.0152	0.50	n
Total TCDD	-	-	n	-	1.0152	0.50	n
37Cl-2,3,7,8-TCDD	1754072	1.00	y	19:39	2.3536	0.50	n
13C-1,2,3,7,8-PeCDF	188115200	1.58	y	24:31	1.2621	100.00	n
1,2,3,7,8-PeCDF	4637450	1.54	y	24:33	0.9861	2.50	n
13C-2,3,4,7,8-PeCDF	187769500	1.58	y	26:00	1.2597	100.00	n
2,3,4,7,8-PeCDF	4561930	1.56	y	26:02	0.9718	2.50	n
Total F2 PeCDF	-	-	n	-	0.9790	2.50	n
Total F1 PeCDF	-	-	n	-	0.9790	5.00	n
13C-1,2,3,7,8-PeCDD	114187300	1.61	y	26:49	0.7661	100.00	n
1,2,3,7,8-PeCDD	2712120	1.50	y	26:50	0.9501	2.50	n
Total PeCDD	-	-	n	-	0.9501	2.50	n
13C-1,2,3,7,8,9-HxCDD	132059800	1.26	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	136430500	0.52	y	31:55	1.0331	100.00	n
1,2,3,4,7,8-HxCDF	3919980	1.24	y	31:55	1.1493	2.50	n
13C-1,2,3,6,7,8-HxCDF	179507400	0.52	y	32:01	1.3593	100.00	n
1,2,3,6,7,8-HxCDF	4866840	1.20	y	32:02	1.0845	2.50	n
13C-2,3,4,6,7,8-HxCDF	159876000	0.52	y	32:35	1.2106	100.00	n
2,3,4,6,7,8-HxCDF	4280340	1.22	y	32:36	1.0709	2.50	n
13C-1,2,3,7,8,9-HxCDF	142987900	0.52	y	33:16	1.0828	100.00	n
1,2,3,7,8,9-HxCDF	3697350	1.22	y	33:16	1.0343	2.50	n
Total HxCDF	-	-	n	-	1.0837	10.00	n
13C-1,2,3,4,7,8-HxCDD	94015040	1.44	(n)	32:43	0.7119	100.00	n
1,2,3,4,7,8-HxCDD	2347230	1.26	y	32:44	0.9987	2.50	n
13C-1,2,3,6,7,8-HxCDD	115477300	1.15	y	32:49	0.8744	100.00	n
1,2,3,6,7,8-HxCDD	3396940	1.22	y	32:49	1.1767	2.50	n
1,2,3,7,8,9-HxCDD	2927450	1.11	y	33:05	1.1179	2.50	n
Total HxCDD	-	-	n	-	1.1038	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	125104300	0.44	y	34:36	0.9473	100.00	n
1,2,3,4,6,7,8-HpCDF	3862910	0.99	y	34:36	1.2351	2.50	n
13C-1,2,3,4,7,8,9-HpCDF	107126300	0.44	y	35:42	0.8112	100.00	n
1,2,3,4,7,8,9-HpCDF	3171750	0.95	y	35:43	1.1843	2.50	n
Total HpCDF	-	-	n	-	1.2117	5.00	n

13C-1,2,3,4,6,7,8-HpCDD	104154400	1.08	y	35:23	0.7887	100.00	n
1,2,3,4,6,7,8-HpCDD	2502480	1.08	y	35:24	0.9611	2.50	n
Total HpCDD	-	-	n	-	0.9611	2.50	n
13C-OCDD	151506800	0.92	y	37:52	0.5736	200.00	n
OCDF	5408900	0.92	y	37:59	1.4280	5.00	n
OCDD	4220230	0.90	y	37:53	1.1142	5.00	n

Run #3 Filename 04FE104D5 S: 3 I: 1
Acquired: 4-FEB-10 11:10:23 Processed: 4-FEB-10 12:11:56
Run: 04FE104D5 Analyte: 1613 Cal: 16130204104D5
Comments:
Sample text: ST0204B :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	119443600	0.81	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	184895500	0.78	y	18:50	1.5480	100.00	n
2,3,7,8-TCDF	3767230	0.82	y	18:51	1.0187	2.00	n
Total TCDF	-	-	n	-	1.0187	2.00	n
13C-2,3,7,8-TCDD	113971500	0.82	y	19:38	0.9542	100.00	n
2,3,7,8-TCDD	2253860	0.86	y	19:39	0.9888	2.00	n
Total TCDD	-	-	n	-	0.9888	2.00	n
37Cl-2,3,7,8-TCDD	5379700	1.00	y	19:39	2.2520	2.00	n
13C-1,2,3,7,8-PeCDF	147396100	1.61	y	24:32	1.2340	100.00	n
1,2,3,7,8-PeCDF	15277420	1.58	y	24:33	1.0365	10.00	n
13C-2,3,4,7,8-PeCDF	144526200	1.62	y	26:01	1.2100	100.00	n
2,3,4,7,8-PeCDF	14567090	1.54	y	26:02	1.0079	10.00	n
Total F2 PeCDF	-	-	n	-	1.0223	10.00	n
Total F1 PeCDF	-	-	n	-	1.0223	20.00	n
13C-1,2,3,7,8-PeCDD	88219000	1.64	y	26:50	0.7386	100.00	n
1,2,3,7,8-PeCDD	8822860	1.54	y	26:50	1.0001	10.00	n
Total PeCDD	-	-	n	-	1.0001	10.00	n
13C-1,2,3,7,8,9-HxCDD	106001600	1.28	y	33:05	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	104159500	0.52	y	31:55	0.9826	100.00	n
1,2,3,4,7,8-HxCDF	12456270	1.22	y	31:56	1.1959	10.00	n
13C-1,2,3,6,7,8-HxCDF	139632700	0.52	y	32:01	1.3173	100.00	n
1,2,3,6,7,8-HxCDF	15409960	1.22	y	32:02	1.1036	10.00	n
13C-2,3,4,6,7,8-HxCDF	122040400	0.54	y	32:36	1.1513	100.00	n
2,3,4,6,7,8-HxCDF	13773430	1.21	y	32:37	1.1286	10.00	n
13C-1,2,3,7,8,9-HxCDF	111224000	0.53	y	33:15	1.0493	100.00	n
1,2,3,7,8,9-HxCDF	12390480	1.21	y	33:16	1.1140	10.00	n
Total HxCDF	-	-	n	-	1.1326	40.00	n
13C-1,2,3,4,7,8-HxCDD	72932700	1.26	y	32:43	0.6880	100.00	n
1,2,3,4,7,8-HxCDD	7594000	1.27	y	32:44	1.0412	10.00	n
13C-1,2,3,6,7,8-HxCDD	94225700	1.25	y	32:48	0.8889	100.00	n
1,2,3,6,7,8-HxCDD	10710000	1.29	y	32:49	1.1366	10.00	n
1,2,3,7,8,9-HxCDD	10153830	1.27	y	33:06	1.2149	10.00	n
Total HxCDD	-	-	n	-	1.1350	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	97712400	0.43	y	34:35	0.9218	100.00	n
1,2,3,4,6,7,8-HpCDF	12228700	0.94	y	34:36	1.2515	10.00	n
13C-1,2,3,4,7,8,9-HpCDF	83312200	0.44	y	35:42	0.7860	100.00	n
1,2,3,4,7,8,9-HpCDF	10148100	0.93	y	35:43	1.2181	10.00	n
Total HpCDF	-	-	n	-	1.2361	20.00	n

13C-1,2,3,4,6,7,8-HpCDD	80860300	1.08	y	35:23	0.7628	100.00	n
1,2,3,4,6,7,8-HpCDD	8329100	1.07	y	35:24	1.0301	10.00	n
Total HpCDD	-	-	n	-	1.0301	10.00	n
13C-OCDD	114322200	0.93	y	37:52	0.5392	200.00	n
OCDF	17074150	0.92	y	37:59	1.4935	20.00	n
OCDD	13280390	0.85	y	37:53	1.1617	20.00	n

Run #4 Filename 04FE104D5 S: 4 I: 1
Acquired: 4-FEB-10 11:54:32 Processed: 4-FEB-10 12:37:02
Run: 04FE104D5 Analyte: 1613 Cal: 16130204104D5
Comments:
Sample text: ST0204C :CS-5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	173717848	0.83	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	280340408	0.78	y	18:49	1.6138	100.00	n
2,3,7,8-TCDF	612197056	0.75	y	18:51	1.0919	200.00	n
Total TCDF	-	-	n	-	1.0919	200.00	n
13C-2,3,7,8-TCDD	188346568	0.82	y	19:36	1.0842	100.00	n
2,3,7,8-TCDD	416662608	0.81	y	19:37	1.1061	200.00	n
Total TCDD	-	-	n	-	1.1061	200.00	n
37Cl-2,3,7,8-TCDD	933519232	1.00	y	19:37	2.6869	200.00	n
13C-1,2,3,7,8-PeCDF	267395272	1.60	y	24:28	1.5393	100.00	n
1,2,3,7,8-PeCDF	2917596800	1.54	y	24:30	1.0911	1000.00	n
13C-2,3,4,7,8-PeCDF	263547888	1.59	y	25:56	1.5171	100.00	n
2,3,4,7,8-PeCDF	2821382272	1.53	y	25:59	1.0705	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0809	1000.00	n
Total F1 PeCDF	-	-	n	-	1.0809	2000.00	n
13C-1,2,3,7,8-PeCDD	162818572	1.62	y	26:45	0.9373	100.00	n
1,2,3,7,8-PeCDD	1778465600	1.61	y	26:47	1.0923	1000.00	n
Total PeCDD	-	-	n	-	1.0923	1000.00	n
13C-1,2,3,7,8,9-HxCDD	188904840	1.29	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	205334400	0.52	y	31:54	1.0870	100.00	n
1,2,3,4,7,8-HxCDF	2623967104	1.27	y	31:54	1.2779	1000.00	n
13C-1,2,3,6,7,8-HxCDF	263788912	0.53	y	32:01	1.3964	100.00	n
1,2,3,6,7,8-HxCDF	2995867648	1.18	y	32:01	1.1357	1000.00	n
13C-2,3,4,6,7,8-HxCDF	235262168	0.54	y	32:35	1.2454	100.00	n
2,3,4,6,7,8-HxCDF	2711592704	1.21	y	32:36	1.1526	1000.00	n
13C-1,2,3,7,8,9-HxCDF	223475560	0.53	y	33:14	1.1830	100.00	n
1,2,3,7,8,9-HxCDF	2564682368	1.22	y	33:15	1.1476	1000.00	n
Total HxCDF	-	-	n	-	1.1743	4000.00	n
13C-1,2,3,4,7,8-HxCDD	148479824	1.29	y	32:43	0.7860	100.00	n
1,2,3,4,7,8-HxCDD	1643208064	1.25	y	32:44	1.1067	1000.00	n
13C-1,2,3,6,7,8-HxCDD	178668872	1.29	y	32:47	0.9458	100.00	n
1,2,3,6,7,8-HxCDD	2150476608	1.28	y	32:48	1.2036	1000.00	n
1,2,3,7,8,9-HxCDD	2142363712	1.27	y	33:05	1.3097	1000.00	n
Total HxCDD	-	-	n	-	1.2097	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	188302612	0.45	y	34:35	0.9968	100.00	n
1,2,3,4,6,7,8-HpCDF	2469875200	0.96	y	34:35	1.3117	1000.00	n
13C-1,2,3,4,7,8,9-HpCDF	163574512	0.45	y	35:42	0.8659	100.00	n
1,2,3,4,7,8,9-HpCDF	2135870208	0.95	y	35:42	1.3057	1000.00	n
Total HpCDF	-	-	n	-	1.3089	2000.00	n

13C-1,2,3,4,6,7,8-HpCDD	160228920	1.08	y	35:23	0.8482	100.00	n
1,2,3,4,6,7,8-HpCDD	1747543616	1.05	y	35:23	1.0907	1000.00	n
Total HpCDD	-	-	n	-	1.0907	1000.00	n
13C-OCDD	244763768	0.94	y	37:52	0.6478	200.00	n
OCDF	3982733056	0.91	y	37:58	1.6272	2000.00	n
OCDD	2979248000	0.88	y	37:52	1.2172	2000.00	n

Run #5 Filename 04FE104D5 S: 5 I: 1
Acquired: 4-FEB-10 12:38:34 Processed: 4-FEB-10 13:19:28
Run: 04FE104D5 Analyte: 1613 Cal: 16130204104D5
Comments:
Sample text: ST0204D :CS-4 09DXN426

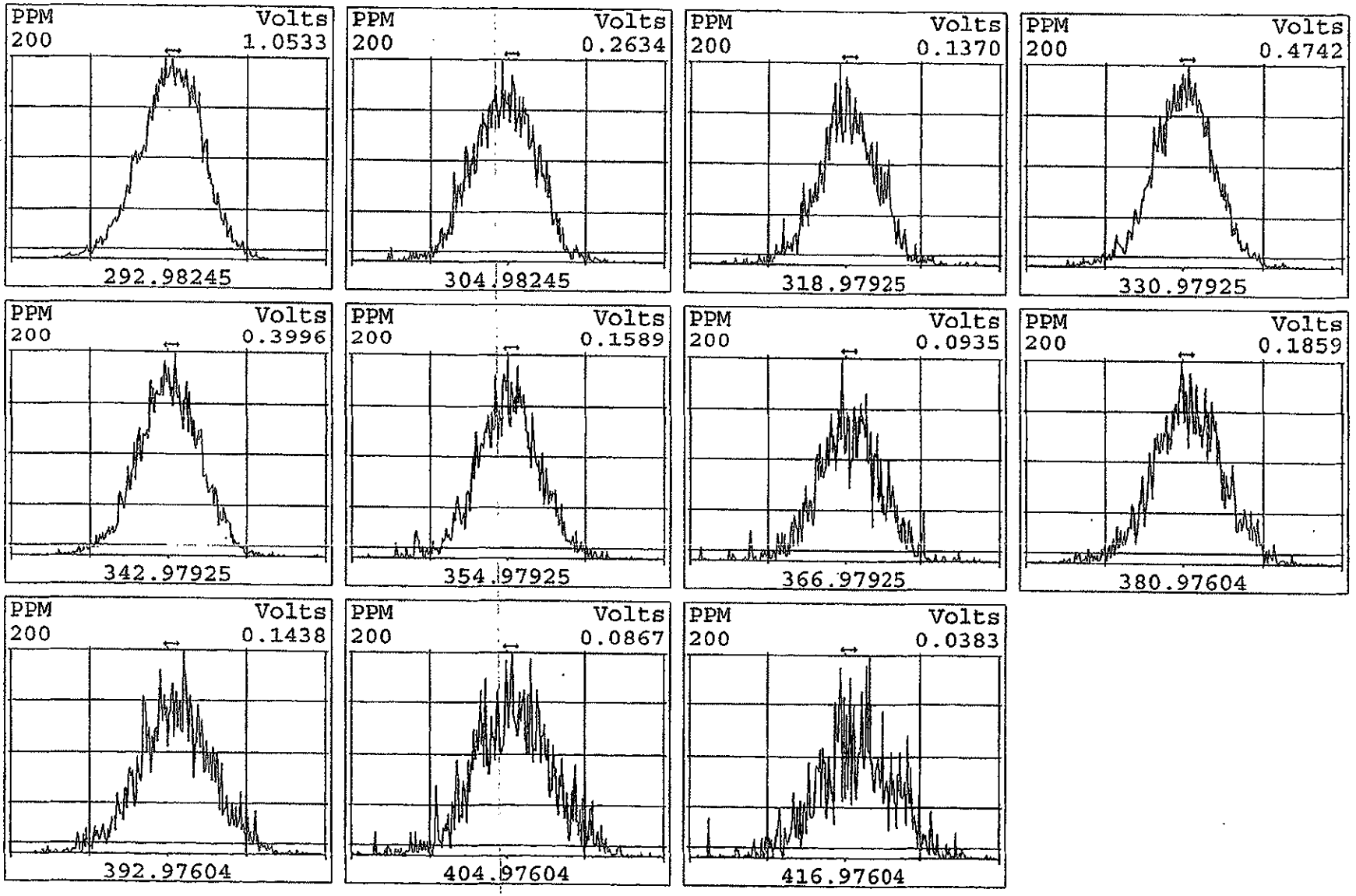
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	200569200	0.82	y	19:23	-	100.00	n
13C-2,3,7,8-TCDF	286249000	0.78	y	18:50	1.4272	100.00	n
2,3,7,8-TCDF	123538800	0.76	y	18:50	1.0789	40.00	n
Total TCDF	-	-	n	-	1.0789	40.00	n
13C-2,3,7,8-TCDD	192344200	0.82	y	19:36	0.9590	100.00	n
2,3,7,8-TCDD	83146500	0.80	y	19:38	1.0807	40.00	n
Total TCDD	-	-	n	-	1.0807	40.00	n
37Cl-2,3,7,8-TCDD	189544400	1.00	y	19:38	2.3626	40.00	n
13C-1,2,3,7,8-PeCDF	253987000	1.59	y	24:29	1.2663	100.00	n
1,2,3,7,8-PeCDF	566693000	1.55	y	24:30	1.1156	200.00	n
13C-2,3,4,7,8-PeCDF	245976200	1.60	y	25:58	1.2264	100.00	n
2,3,4,7,8-PeCDF	552768000	1.53	y	25:59	1.1236	200.00	n
Total F2 PeCDF	-	-	n	-	1.1195	200.00	n
Total F1 PeCDF	-	-	n	-	1.1195	400.00	n
13C-1,2,3,7,8-PeCDD	152080400	1.65	y	26:46	0.7582	100.00	n
1,2,3,7,8-PeCDD	339029000	1.61	y	26:47	1.1146	200.00	n
Total PeCDD	-	-	n	-	1.1146	200.00	n
13C-1,2,3,7,8,9-HxCDD	196662000	1.28	y	33:04	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	184325400	0.52	y	31:53	0.9373	100.00	n
1,2,3,4,7,8-HxCDF	478071000	1.20	y	31:54	1.2968	200.00	n
13C-1,2,3,6,7,8-HxCDF	246494300	0.52	y	32:00	1.2534	100.00	n
1,2,3,6,7,8-HxCDF	577346000	1.21	y	32:01	1.1711	200.00	n
13C-2,3,4,6,7,8-HxCDF	215968400	0.53	y	32:35	1.0982	100.00	n
2,3,4,6,7,8-HxCDF	527480000	1.23	y	32:35	1.2212	200.00	n
13C-1,2,3,7,8,9-HxCDF	208037000	0.52	y	33:14	1.0578	100.00	n
1,2,3,7,8,9-HxCDF	492635000	1.22	y	33:15	1.1840	200.00	n
Total HxCDF	-	-	n	-	1.2140	800.00	n
13C-1,2,3,4,7,8-HxCDD	133661300	1.27	y	32:43	0.6796	100.00	n
1,2,3,4,7,8-HxCDD	320189000	1.26	y	32:43	1.1978	200.00	n
13C-1,2,3,6,7,8-HxCDD	163221000	1.30	y	32:47	0.8300	100.00	n
1,2,3,6,7,8-HxCDD	412557000	1.29	y	32:48	1.2638	200.00	n
1,2,3,7,8,9-HxCDD	418266000	1.28	y	33:05	1.4089	200.00	n
Total HxCDD	-	-	n	-	1.2923	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	175463300	0.45	y	34:34	0.8922	100.00	n
1,2,3,4,6,7,8-HpCDF	472037000	0.96	y	34:35	1.3451	200.00	n
13C-1,2,3,4,7,8,9-HpCDF	147856100	0.45	y	35:41	0.7518	100.00	n
1,2,3,4,7,8,9-HpCDF	402257000	0.97	y	35:41	1.3603	200.00	n
Total HpCDF	-	-	n	-	1.3521	400.00	n

13C-1,2,3,4,6,7,8-HpCDD	147236900	1.08	y	35:23	0.7487	100.00	n
1,2,3,4,6,7,8-HpCDD	328342000	1.04	y	35:23	1.1150	200.00	n
Total HpCDD	-	-	n	-	1.1150	200.00	n
13C-OCDD	213565000	0.94	y	37:51	0.5430	200.00	n
OCDF	717095000	0.91	y	37:58	1.6789	400.00	n
OCDD	537805000	0.89	y	37:52	1.2591	400.00	n

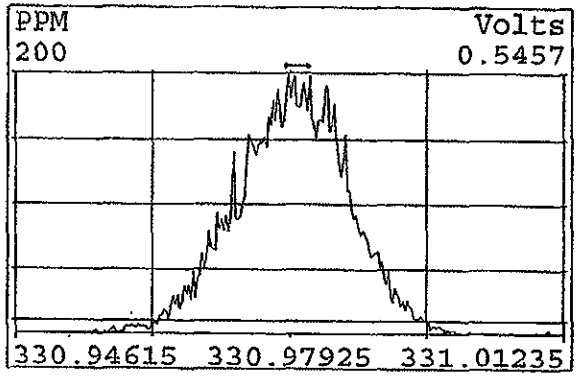
ata file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04FE104D5	1	STO204	CS-3 09DXN425				1.00000	
04FE104D5	2	STO204A	CS-1 09DXN422				1.00000	
04FE104D5	3	STO204B	CS-2 09DXN423				1.00000	
04FE104D5	4	STO204C	CS-5 09DXN456				1.00000	
04FE104D5	5	STO204D	CS-4 09DXN426				1.00000	
04FE104D5	6	CPO204	DB-5 CPSM 3732-04				1.00000	
04FE104D5	7	STO204E	2nd Source 09DXN449				1.00000	
04FE104D5	8						1.00000	
04FE104D5	9						1.00000	
04FE104D5	10						1.00000	
04FE104D5	11						1.00000	
04FE104D5	12						1.00000	
04FE104D5	13						1.00000	
04FE104D5	14		KSS 02-04-10				1.00000	
04FE104D5	15						1.00000	

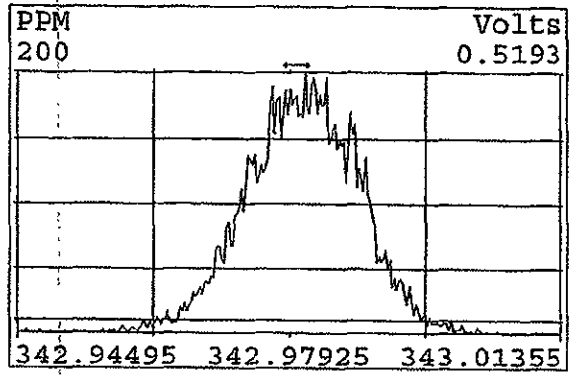
Peak Locate Examination: 4-FEB-2010:09:40 File:04FE104D5

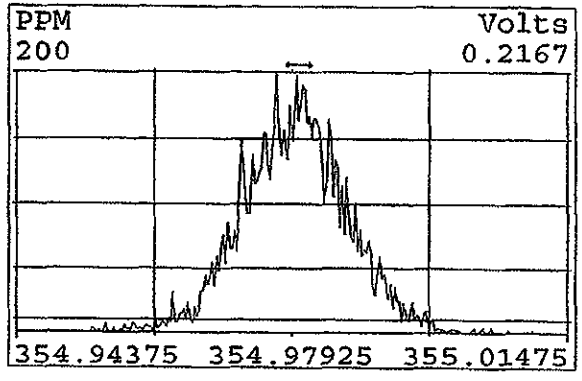
Experiment:DIOXIN Function:1 Reference:PFK

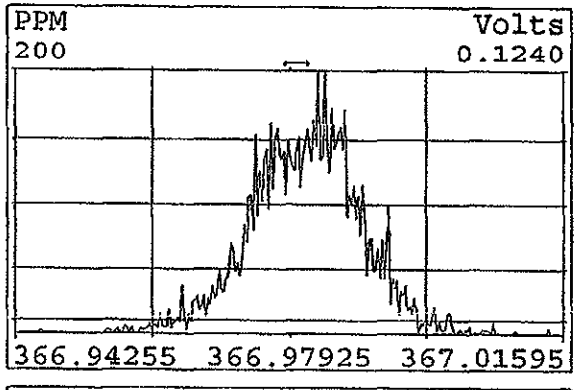


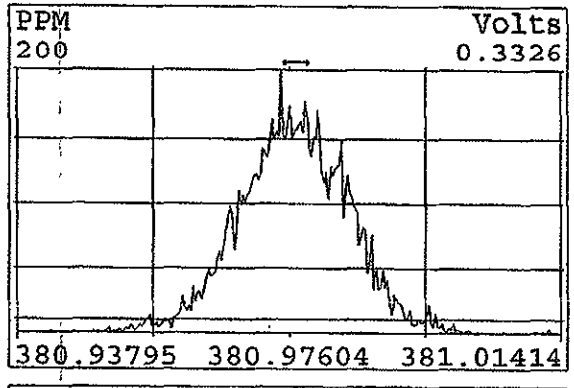
Peak Locate Examination: 4-FEB-2010:09:40 File:04FE104D5
Experiment:DIOXIN Function:2 Reference:PFK

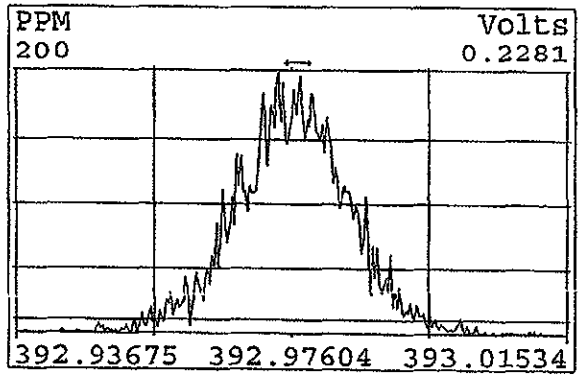


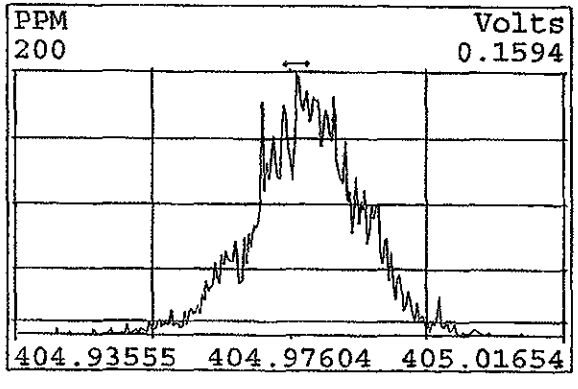


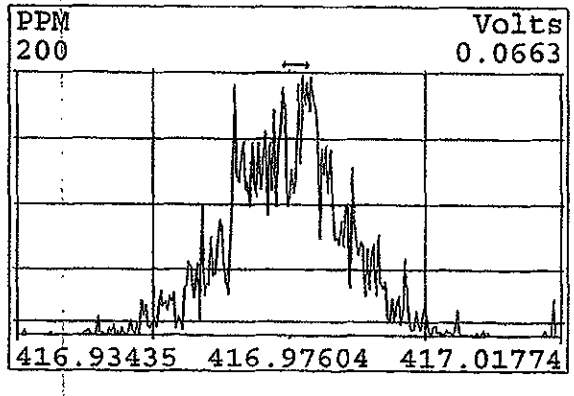




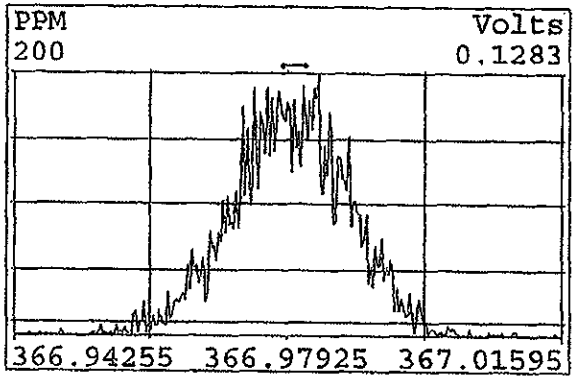


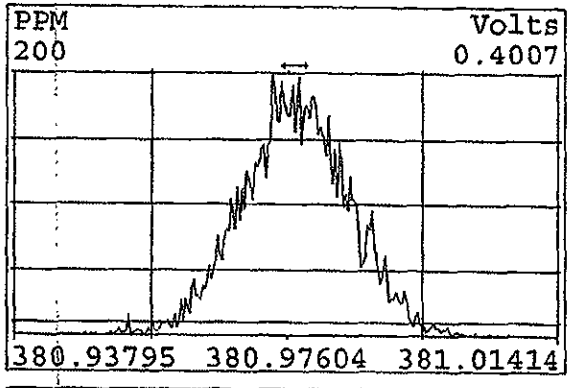


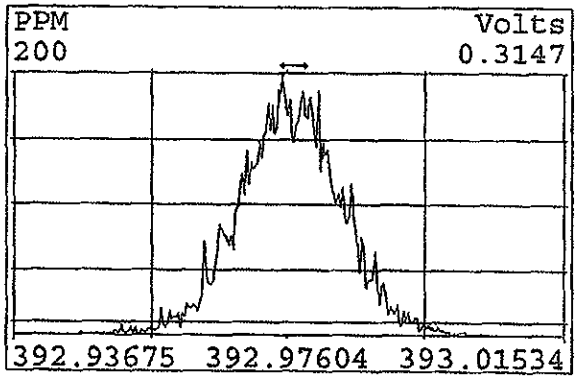


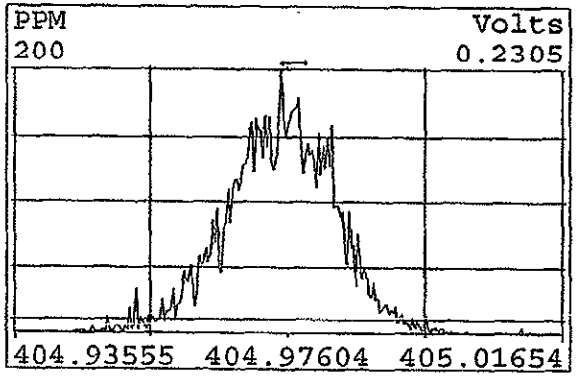


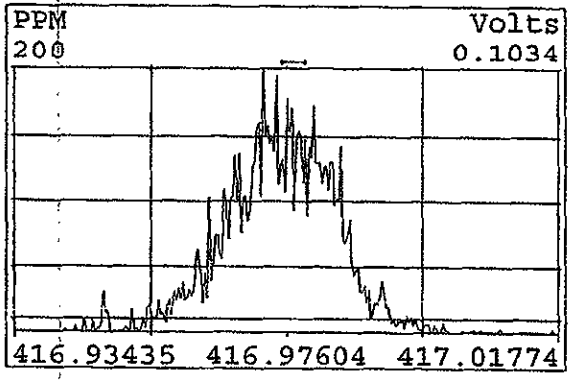
Peak Locate Examination: 4-FEB-2010:09:41 File:04FE104D5
Experiment:DIOXIN Function:3 Reference:PFK

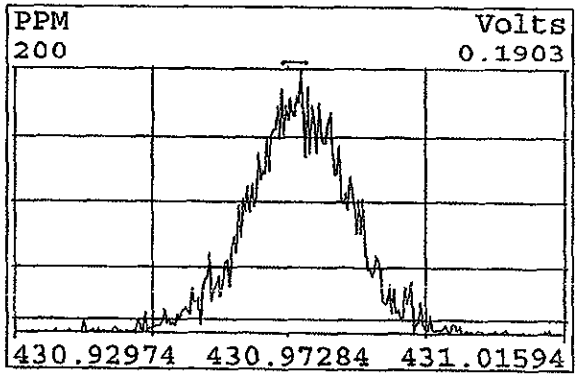


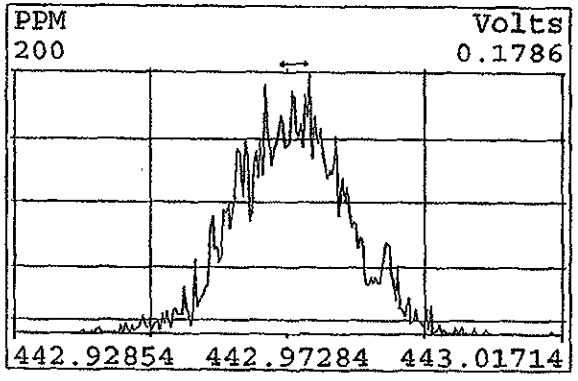


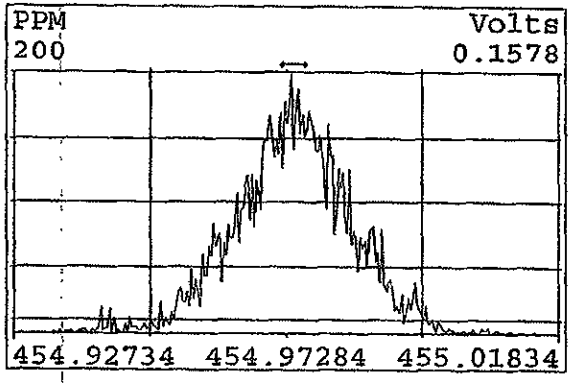




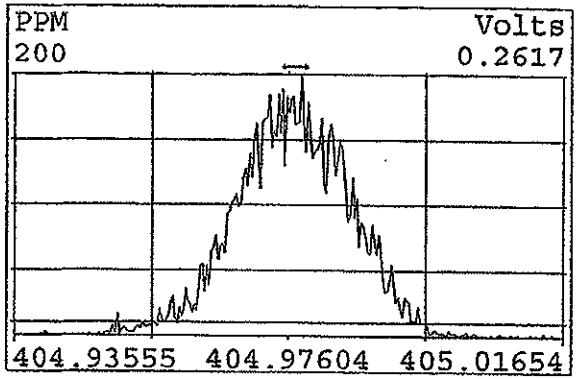


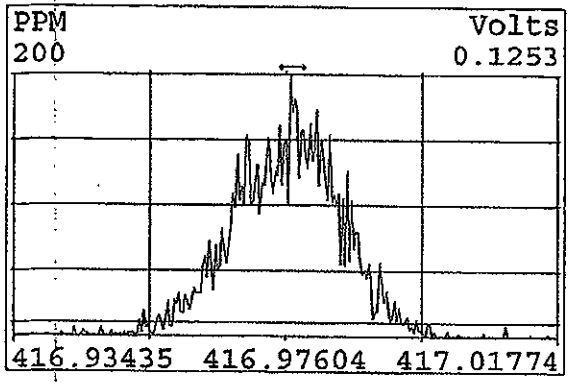


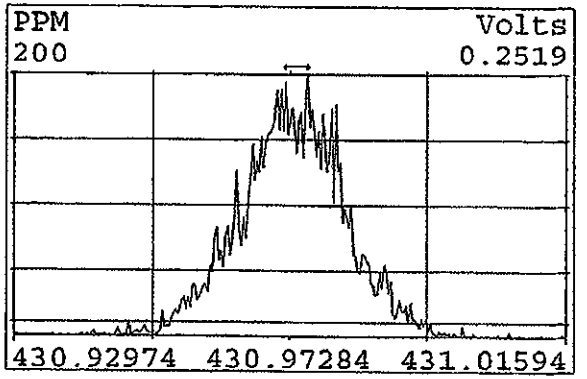


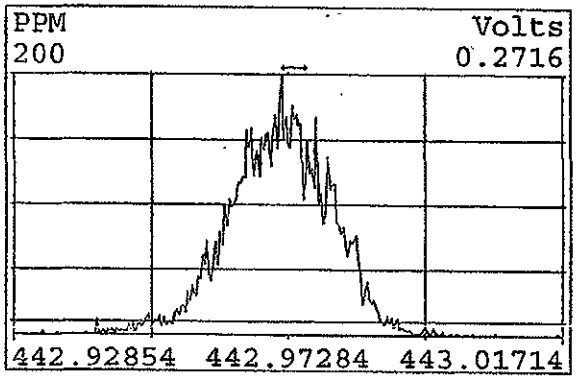


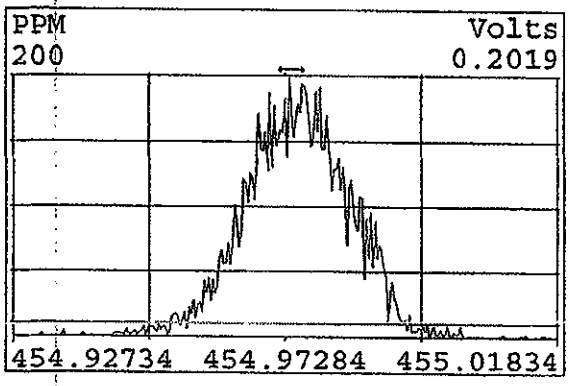
Peak Locate Examination: 4-FEB-2010:09:41 File:04FE104D5
Experiment:DIOXIN Function:4 Reference:PFK

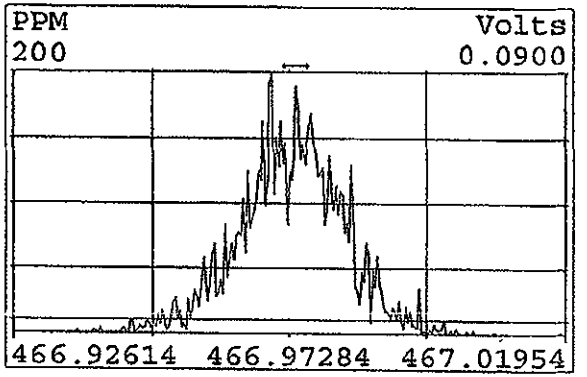


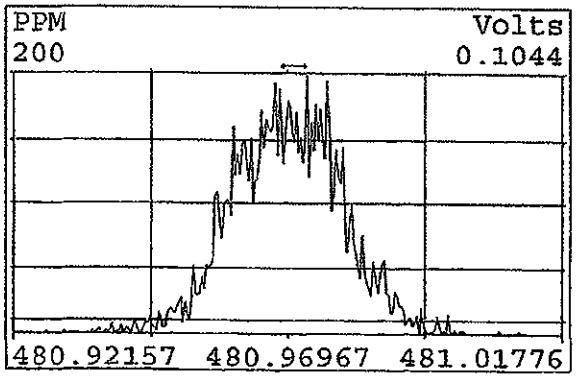




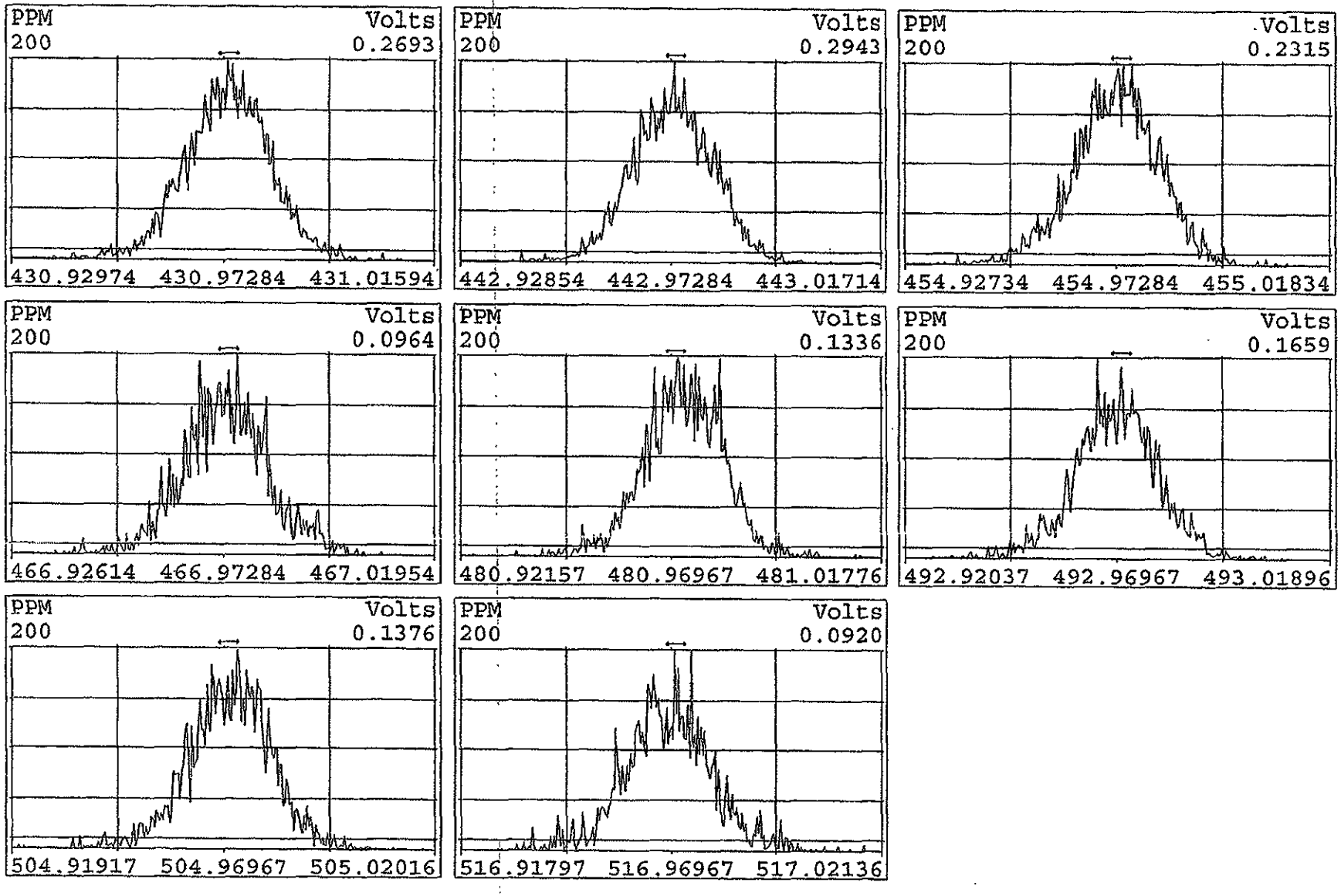




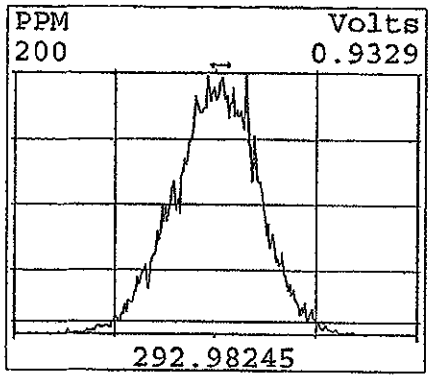


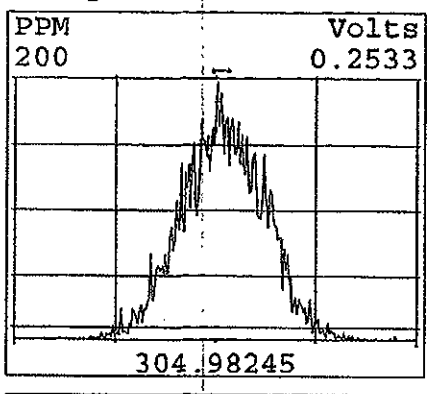


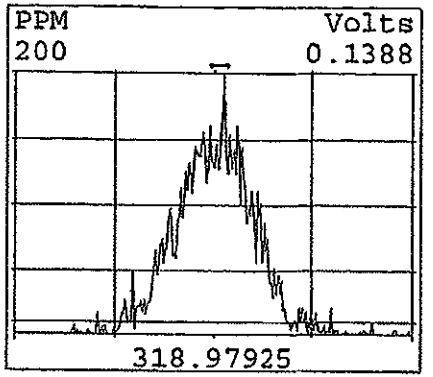
Peak Locate Examination: 4-FEB-2010:09:42 File:04FE104D5
Experiment:DIOXIN Function:5 Reference:PFK

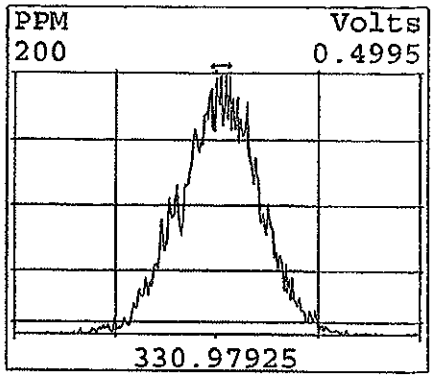


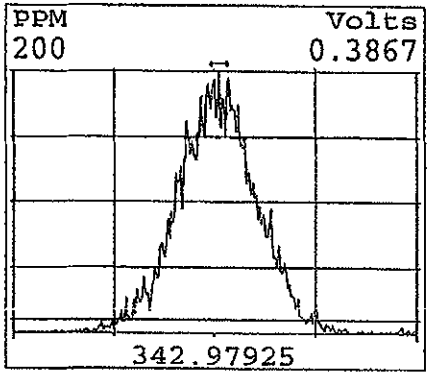
Peak Locate Examination: 4-FEB-2010:14:53 File:ENDRES04FE104D5
Experiment:DIOXIN Function:1 Reference:PFK

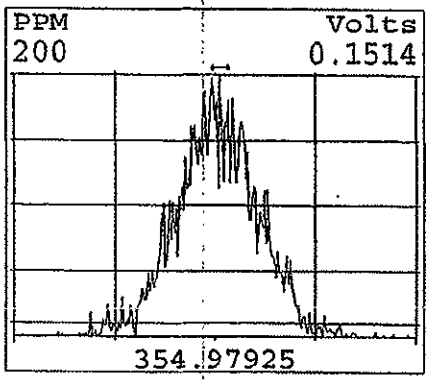


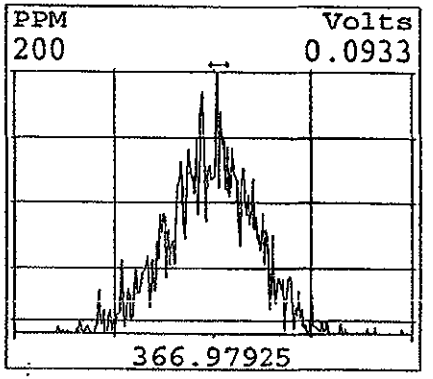


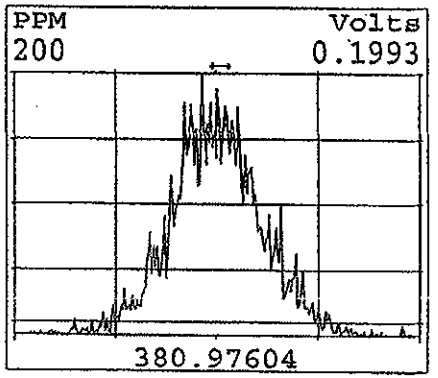


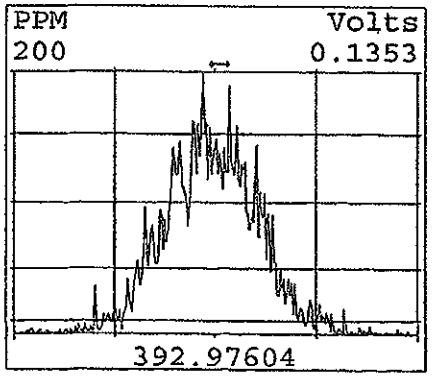


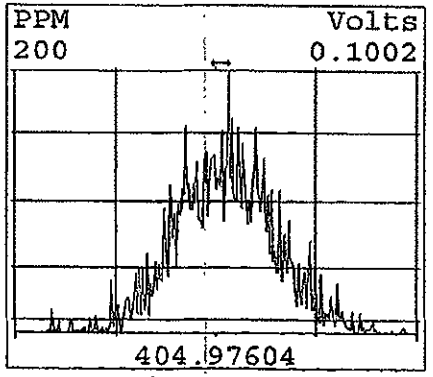


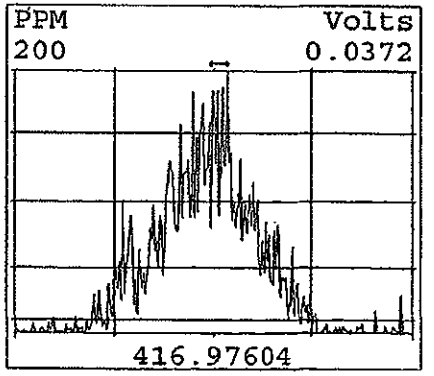




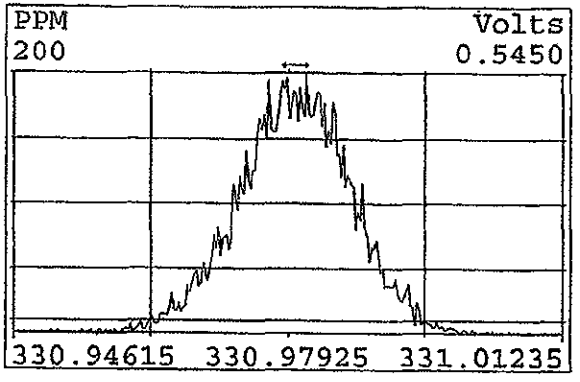


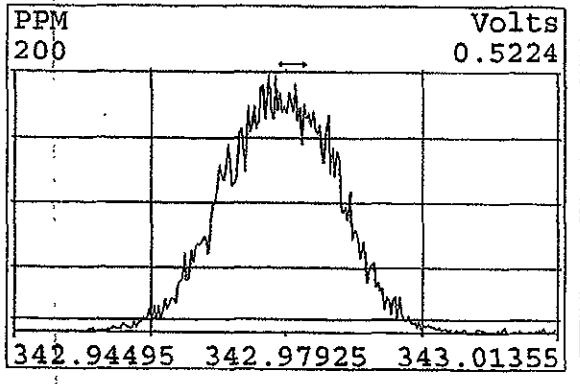


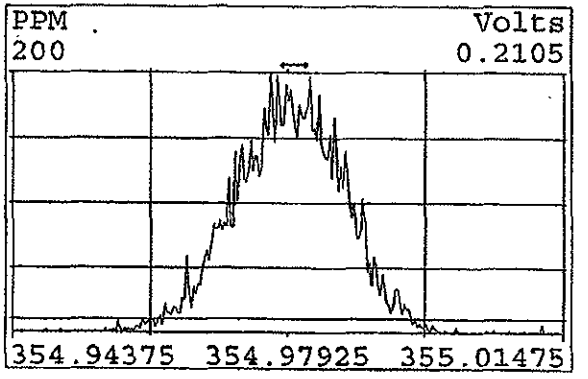


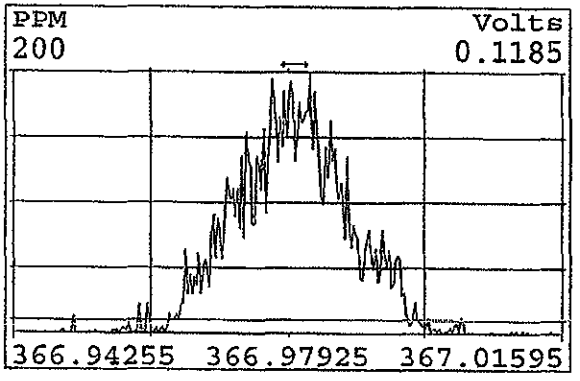


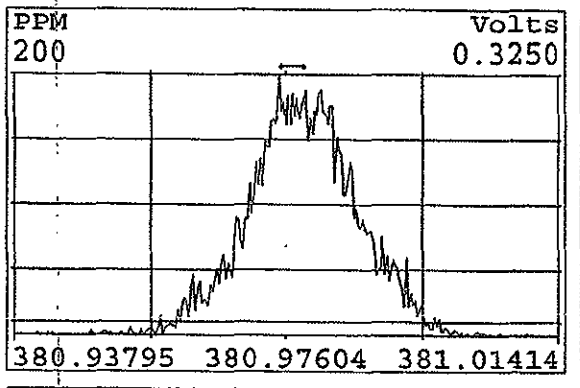
Peak Locate Examination: 4-FEB-2010:14:54 File:ENDRES04FE104D5
Experiment:DIOXIN Function:2 Reference:PFK

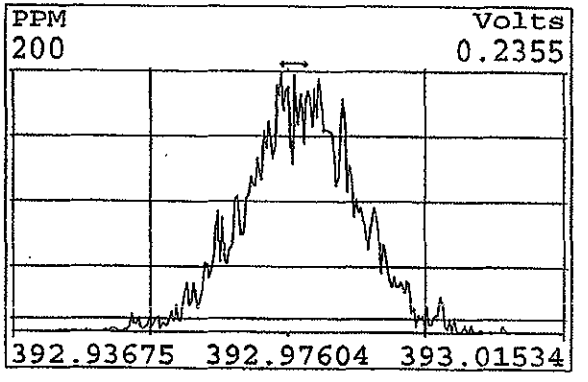


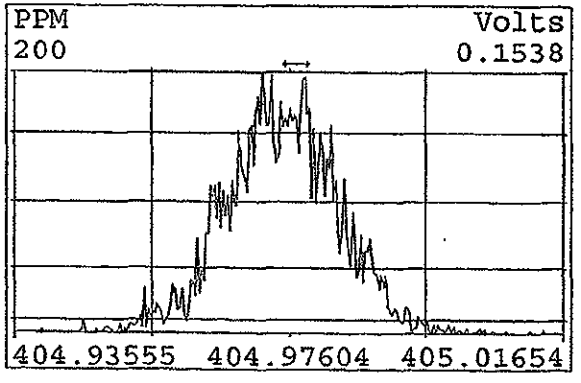


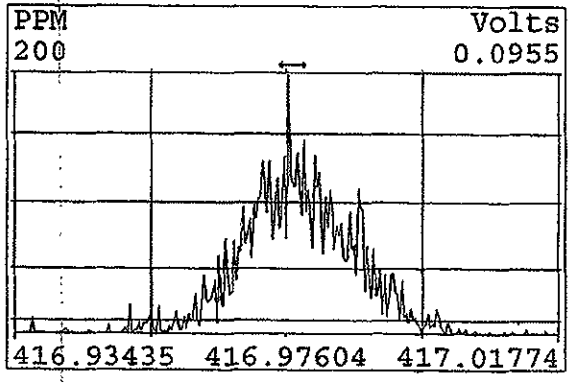




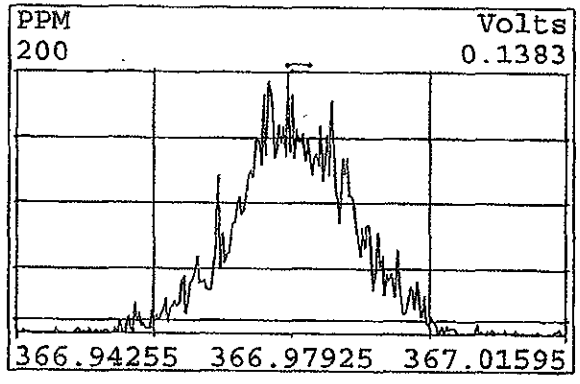


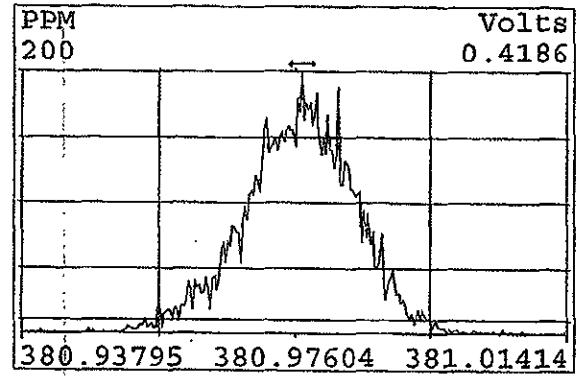


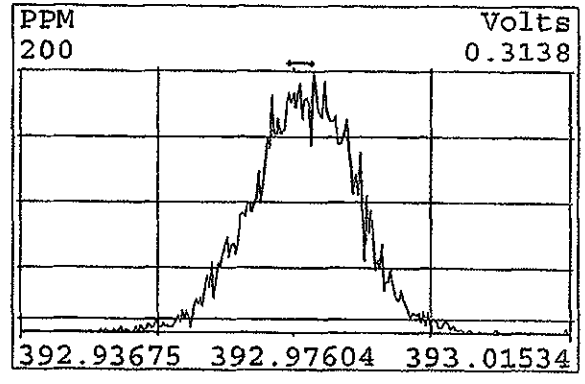


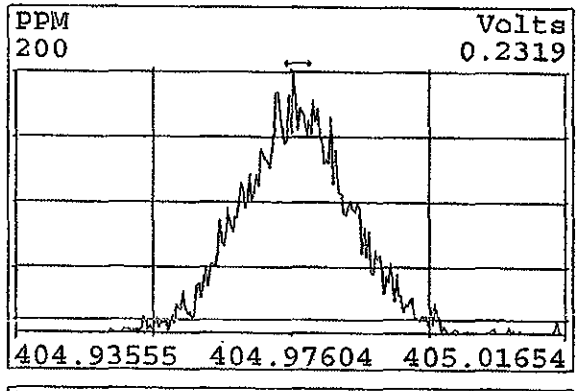


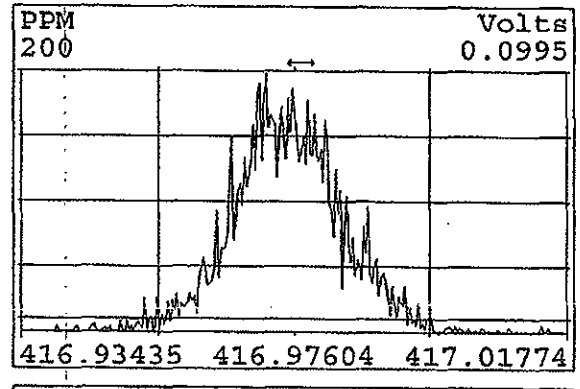
Peak Locate Examination: 4-FEB-2010:14:54 File:ENDRES04FE104D5
Experiment:DIOXIN Function:3 Reference:PFK

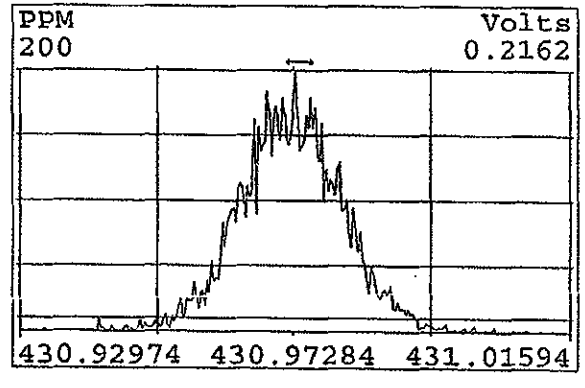


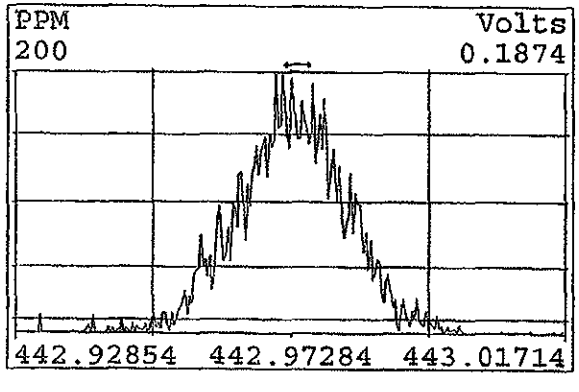


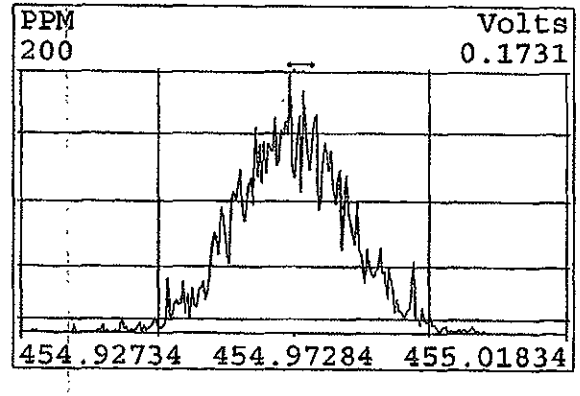




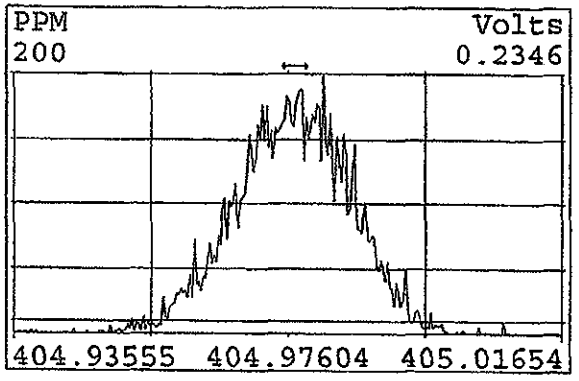


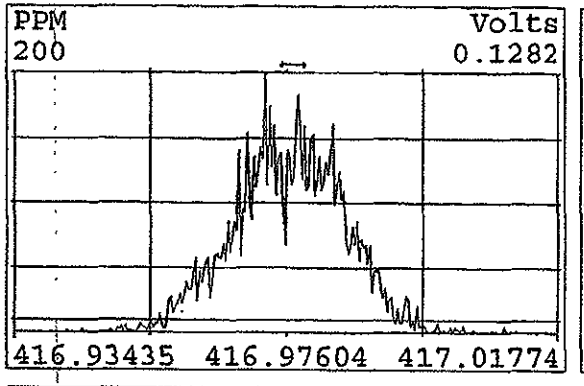


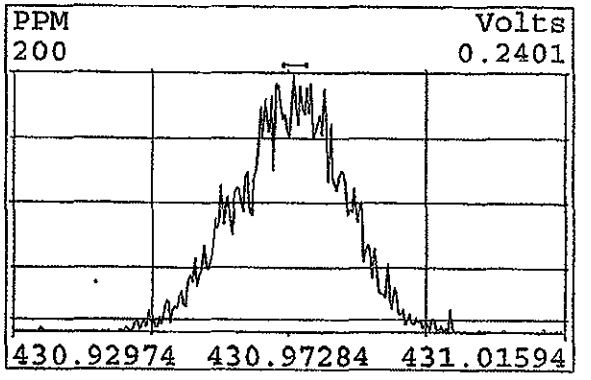


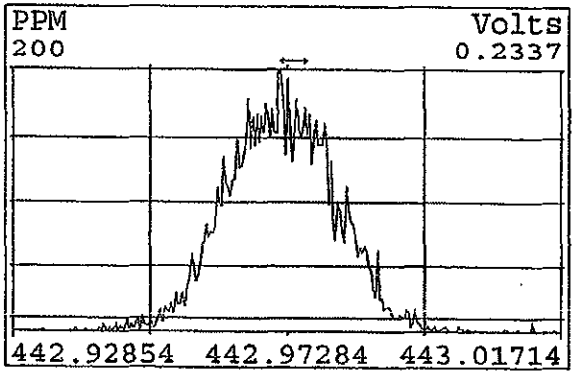


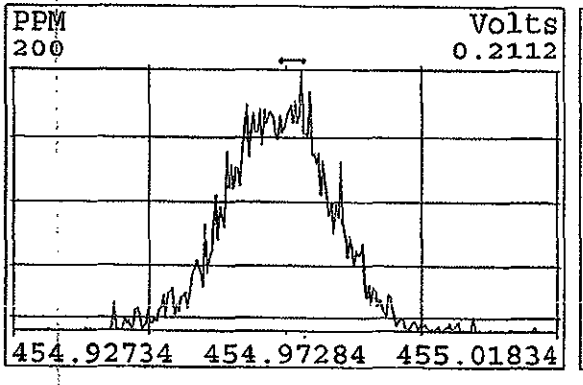
Peak Locate Examination: 4-FEB-2010:14:55 File:ENDRES04FE104D5
Experiment:DIOXIN Function:4 Reference:PFK

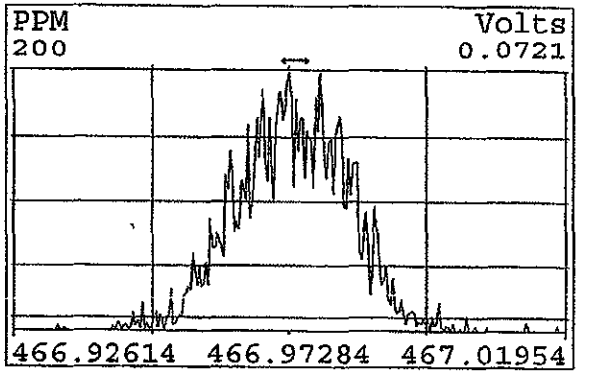


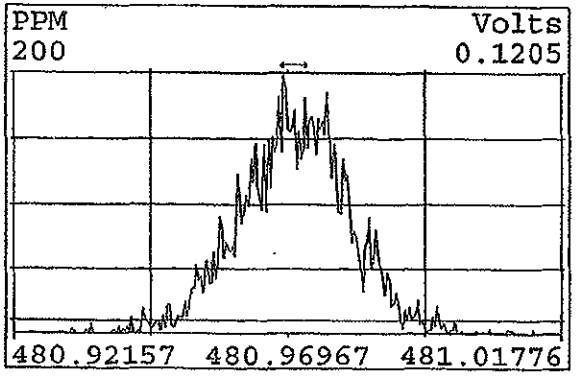




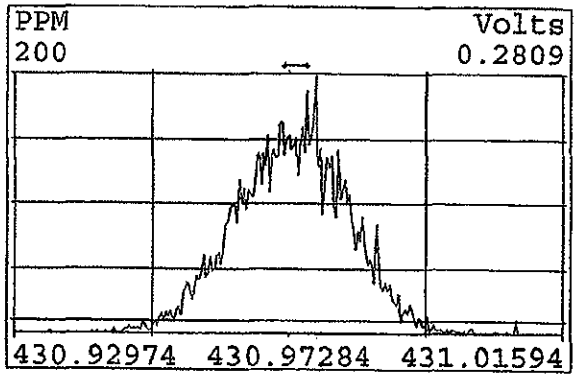


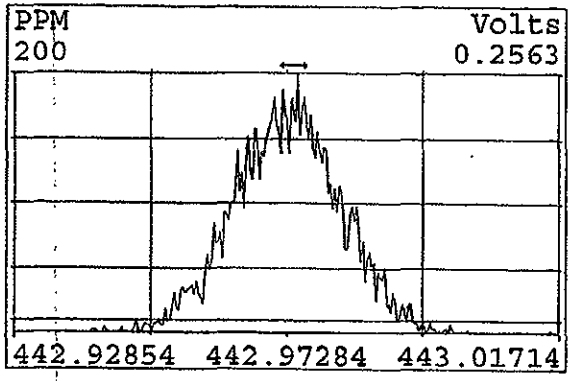


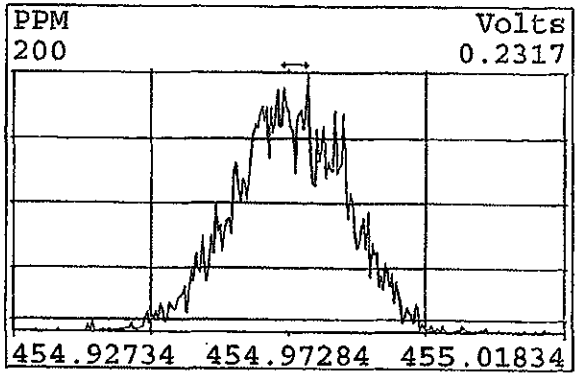


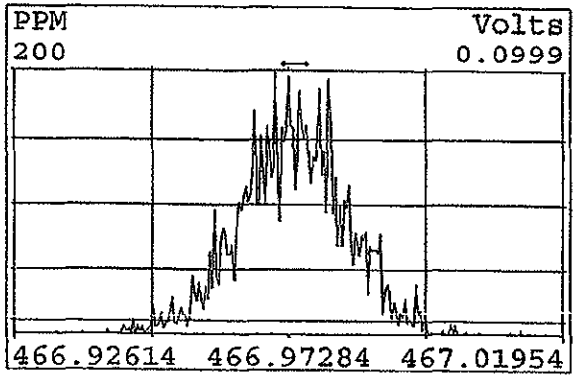


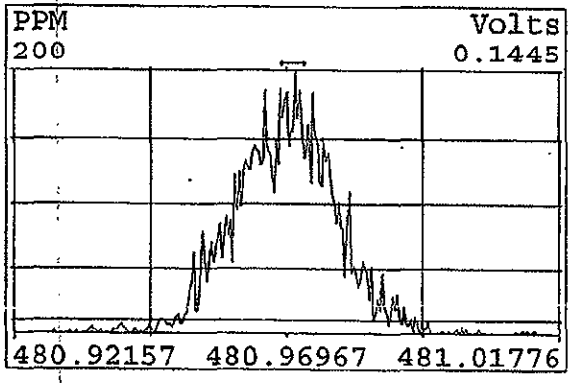
Peak Locate Examination: 4-FEB-2010:14:55 File:ENDRES04FE104D5
Experiment:DIOXIN Function:5 Reference:PFK

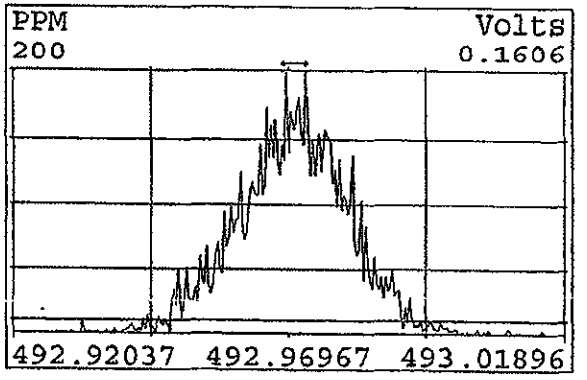


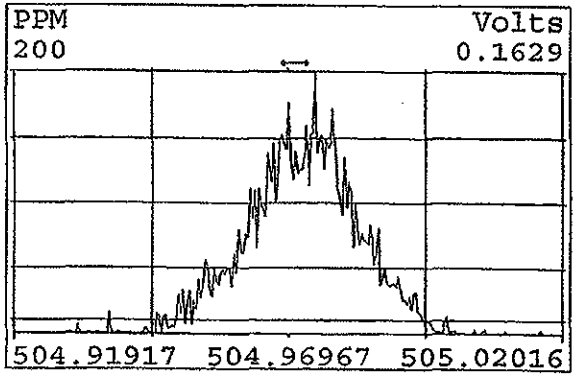


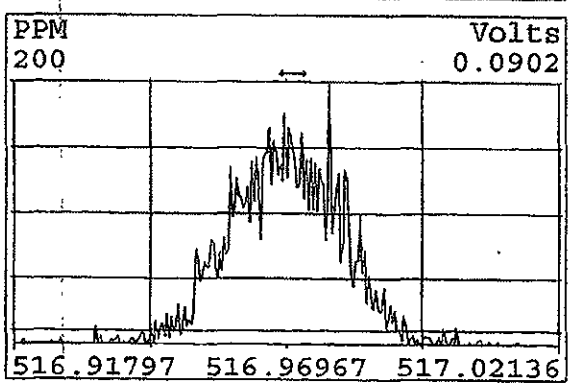


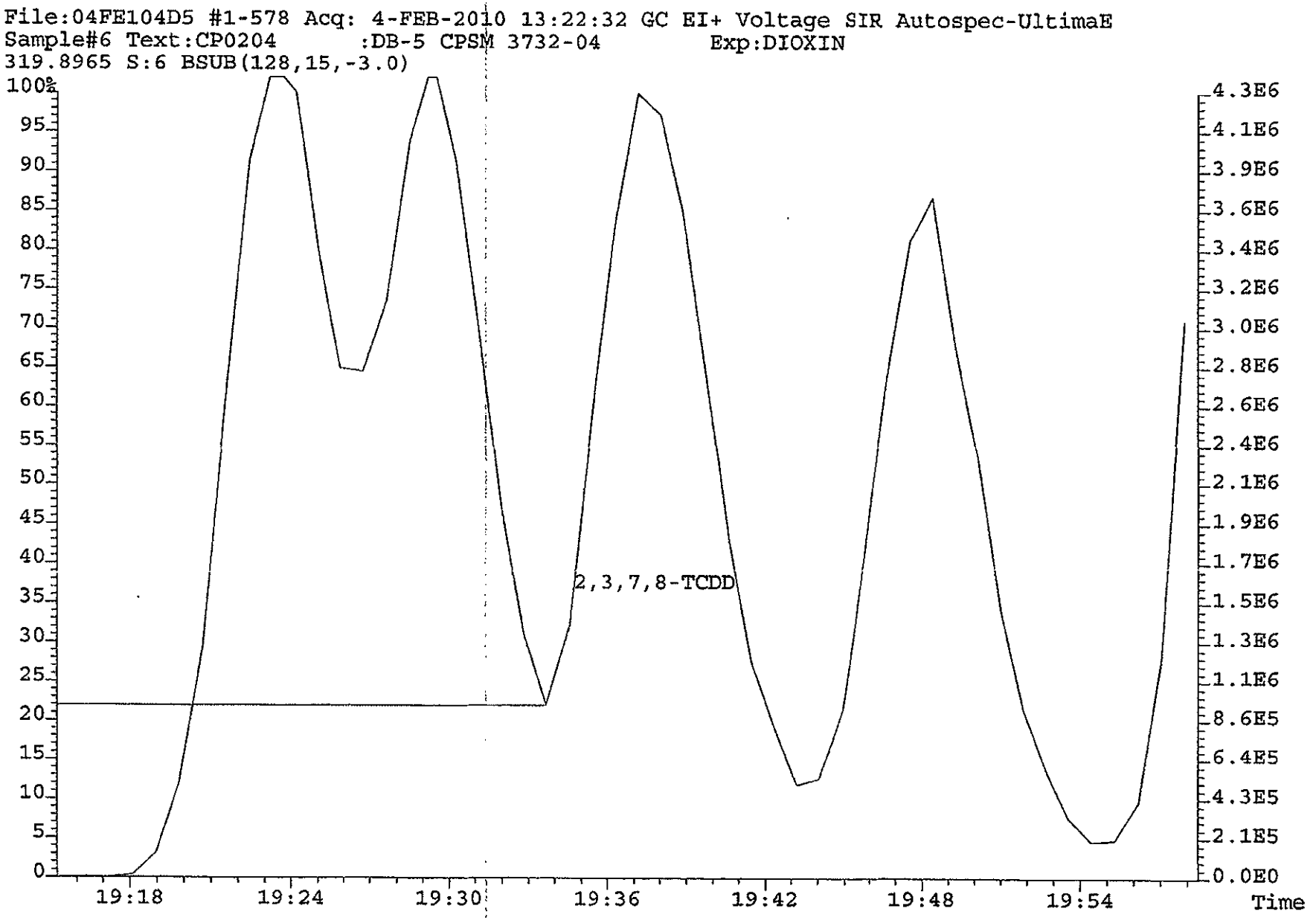











File:04FE104D5 #1-578 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN
319.8965 S:6 BSUB(128,15,-3.0)
100%
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
4.3E6
4.1E6
3.9E6
3.6E6
3.4E6
3.2E6
3.0E6
2.8E6
2.6E6
2.4E6
2.1E6
1.9E6
1.7E6
1.5E6
1.3E6
1.1E6
8.6E5
6.4E5
4.3E5
2.1E5
0.0E0
2,3,7,8-TCDD
19:18
19:24
19:30
19:36
19:42
19:48
19:54
Time

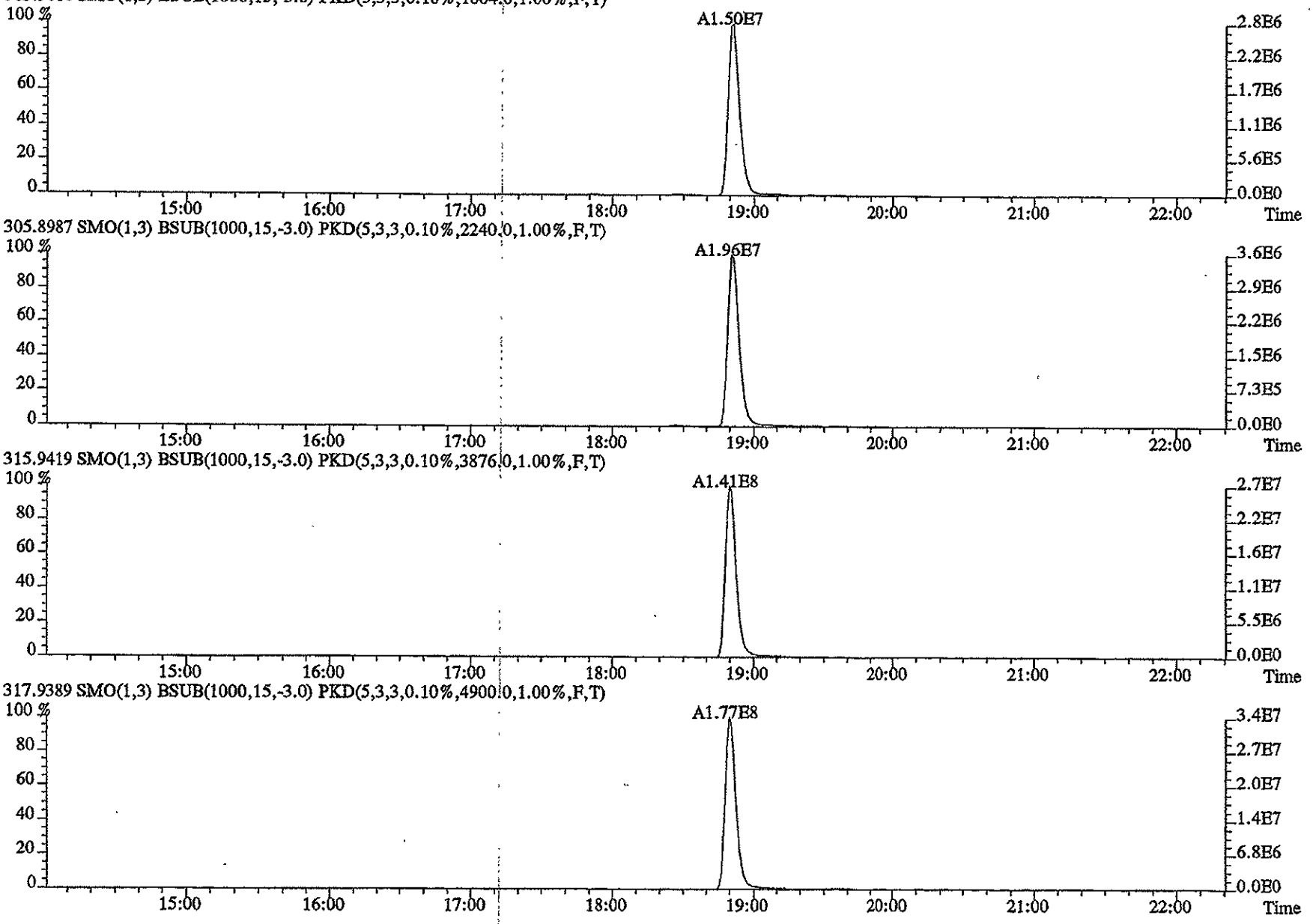
Run text: ST0204E Sample text: ST0204E :2nd Source 09DXN449
Run #7 Filename: 04FE104D5 S: 7 I: 1 Results: 04FE104D51613SS
Acquired: 4-FEB-10 14:06:33 Processed: 4-FEB-10 14:47:04
Run: 04FE104D5 Analyte: 1613 Cal: 16130204104D5
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

Spiked @ 200/500/1000 2/4/10 KS

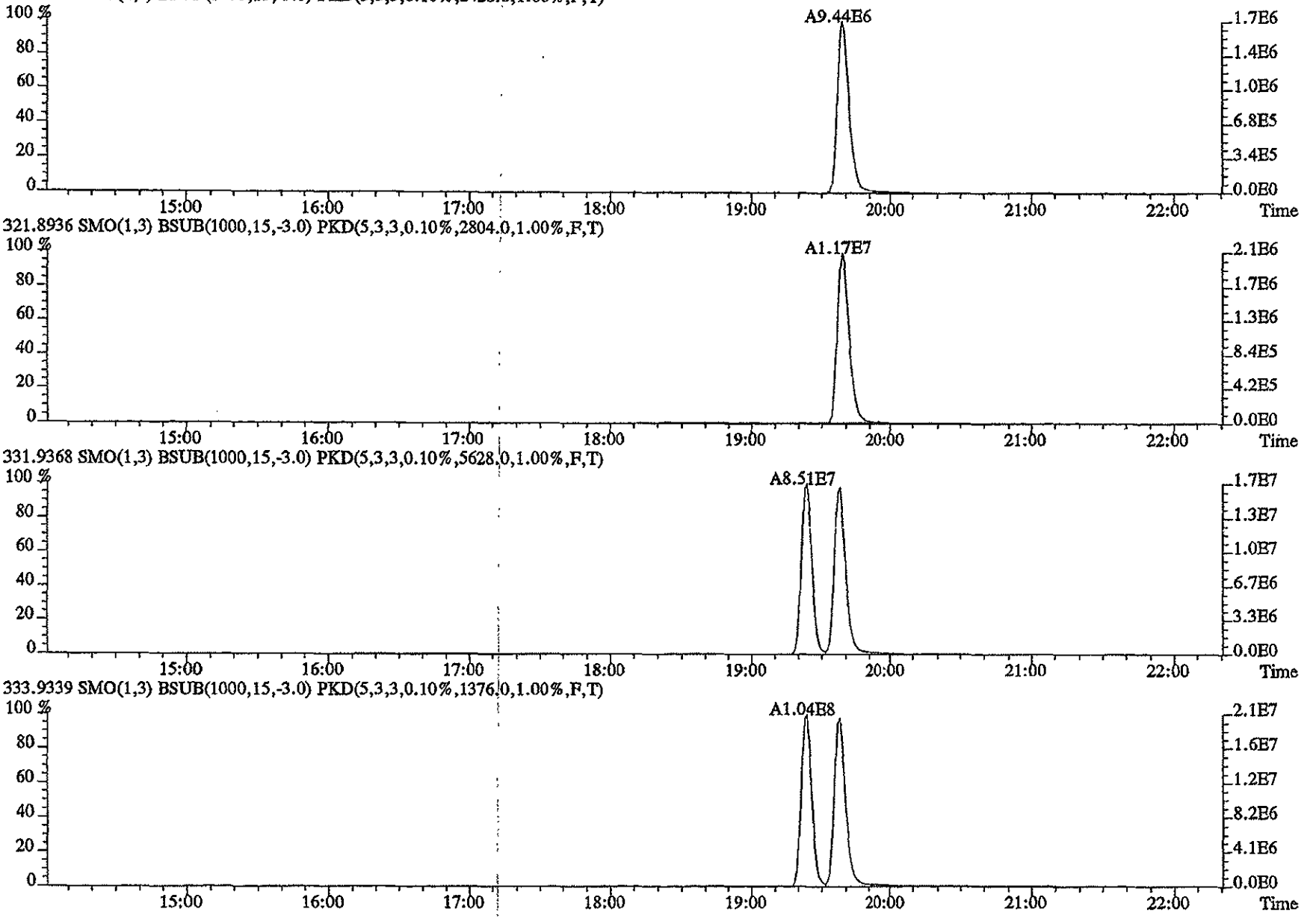
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	175287100	0.81 y	19:22	-	105.30	-	-	n
13C-2,3,7,8-TCDF	266922000	0.78 y	18:50	1.57	1939.28	0.72	97.0	n
2,3,7,8-TCDF	26307300	0.73 y	18:50	1.05	187.31 ✓ 94 %	0.49	-	n
Total TCDF	26695670	1.00 n	18:27	1.05	190.08	0.49	-	n
13C-2,3,7,8-TCDD	181958400	0.80 y	19:36	1.00	2074.30	1.30	103.7	n
2,3,7,8-TCDD	18371850	0.78 y	19:38	1.05	191.59 ✓ 96 %	0.96	-	n
Total TCDD	18453194	0.36 n	15:21	1.05	192.44	0.96	-	n
37Cl-2,3,7,8-TCDD	44269600	1.00 y	19:37	2.42	209.09	0.01	104.5	n
13C-1,2,3,7,8-PeCDF	245877900	1.64 y	24:30	1.34	2098.83	2.44	104.9	n
1,2,3,7,8-PeCDF	63525100	1.52 y	24:30	1.07	483.13 ✓ 97 %	1.41	-	n
13C-2,3,4,7,8-PeCDF	242738100	1.62 y	25:58	1.31	2107.55	2.48	105.4	n
2,3,4,7,8-PeCDF	62244900	1.54 y	26:00	1.05	486.28 ✓ 97 %	1.51	-	n
Total F2 PeCDF	127148228	1.73 y	23:00	1.06	980.03	1.46	-	n
Total F1 PeCDF	*	* n	NotFnd	1.06	*	0.66	-	n
13C-1,2,3,7,8-PeCDD	137224100	1.69 y	26:47	0.81	1928.05	0.47	96.4	n
1,2,3,7,8-PeCDD	37422200	1.65 y	26:48	1.04	525.48 ✓ 105 %	2.24	-	n
Total PeCDD	37733904	1.65 y	26:48	1.04	529.86	2.24	-	n
13C-1,2,3,7,8,9-HxCDD	164296200	1.27 y	33:04	-	100.71	-	-	n
13C-1,2,3,4,7,8-HxCDF	187336200	0.51 y	31:53	1.01	2247.73	0.92	112.4	n
1,2,3,4,7,8-HxCDF	55922500	1.21 y	31:54	1.24	481.68 ✓ 96 %	0.59	-	n
13C-1,2,3,6,7,8-HxCDF	235114700	0.52 y	32:01	1.33	2149.85	0.70	107.5	n
1,2,3,6,7,8-HxCDF	64341100	1.22 y	32:01	1.13	482.24 ✓ 96 %	0.56	-	n
13C-2,3,4,6,7,8-HxCDF	214823600	0.52 y	32:35	1.18	2212.73	0.79	110.6	n
2,3,4,6,7,8-HxCDF	58389600	1.19 y	32:36	1.15	472.99 ✓ 95 %	0.53	-	n
13C-1,2,3,7,8,9-HxCDF	192523600	0.53 y	33:14	1.10	2140.01	0.85	107.0	n
1,2,3,7,8,9-HxCDF	53423000	1.21 y	33:15	1.13	491.82 ✓ 98 %	0.62	-	n
Total HxCDF	232534013	1.21 y	31:54	1.16	1932.53	0.57	-	n
13C-1,2,3,4,7,8-HxCDD	122968200	1.28 y	32:43	0.74	2010.84	0.07	100.5	n
1,2,3,4,7,8-HxCDD	37078000	1.26 y	32:43	1.07	562.04 ✓ 112 %	1.35	-	n
13C-1,2,3,6,7,8-HxCDD	151023300	1.30 y	32:47	0.88	2079.99	0.06	104.0	n
1,2,3,6,7,8-HxCDD	46262200	1.31 y	32:48	1.19	514.82 ✓ 103 %	1.28	-	n
1,2,3,7,8,9-HxCDD	44506700	1.29 y	33:05	1.26	516.67 ✓ 103 %	1.19	-	n
Total HxCDD	127846900	1.26 y	32:43	1.18	1593.53	1.27	-	n
13C-1,2,3,4,6,7,8-HpCDF	165616100	0.44 y	34:34	0.94	2133.88	3.91	106.7	n
1,2,3,4,6,7,8-HpCDF	51186200	0.94 y	34:35	1.30	475.89 ✓ 95 %	2.19	-	n
13C-1,2,3,4,7,8,9-HpCDF	140442700	0.43 y	35:41	0.81	2102.73	4.54	105.1	n
1,2,3,4,7,8,9-HpCDF	43079900	0.96 y	35:42	1.28	479.11 ✓ 96 %	2.92	-	n
Total HpCDF	94266100	0.94 y	34:35	1.29	955.00	2.52	-	n

13C-1,2,3,4,6,7,8-HpCDD	139296600	1.07	y	35:23	0.79	2138.52		2.90	106.9	n
1,2,3,4,6,7,8-HpCDD	35570300	1.06	y	35:23	1.06	483.63 ✓ 97%		1.89	-	n
Total HpCDD	36207386	4.47	n	34:35	1.06	492.29		1.89	-	n
13C-OCDD	194917600	0.95	y	37:52	0.58	4077.38		3.13	101.9	n
OCDF	75151300	0.89	y	37:58	1.56	990.09 ✓ 99%		1.04	-	n
OCDD	58400500	0.88	y	37:52	1.19	1004.50 ✓ 100%		1.52	-	n

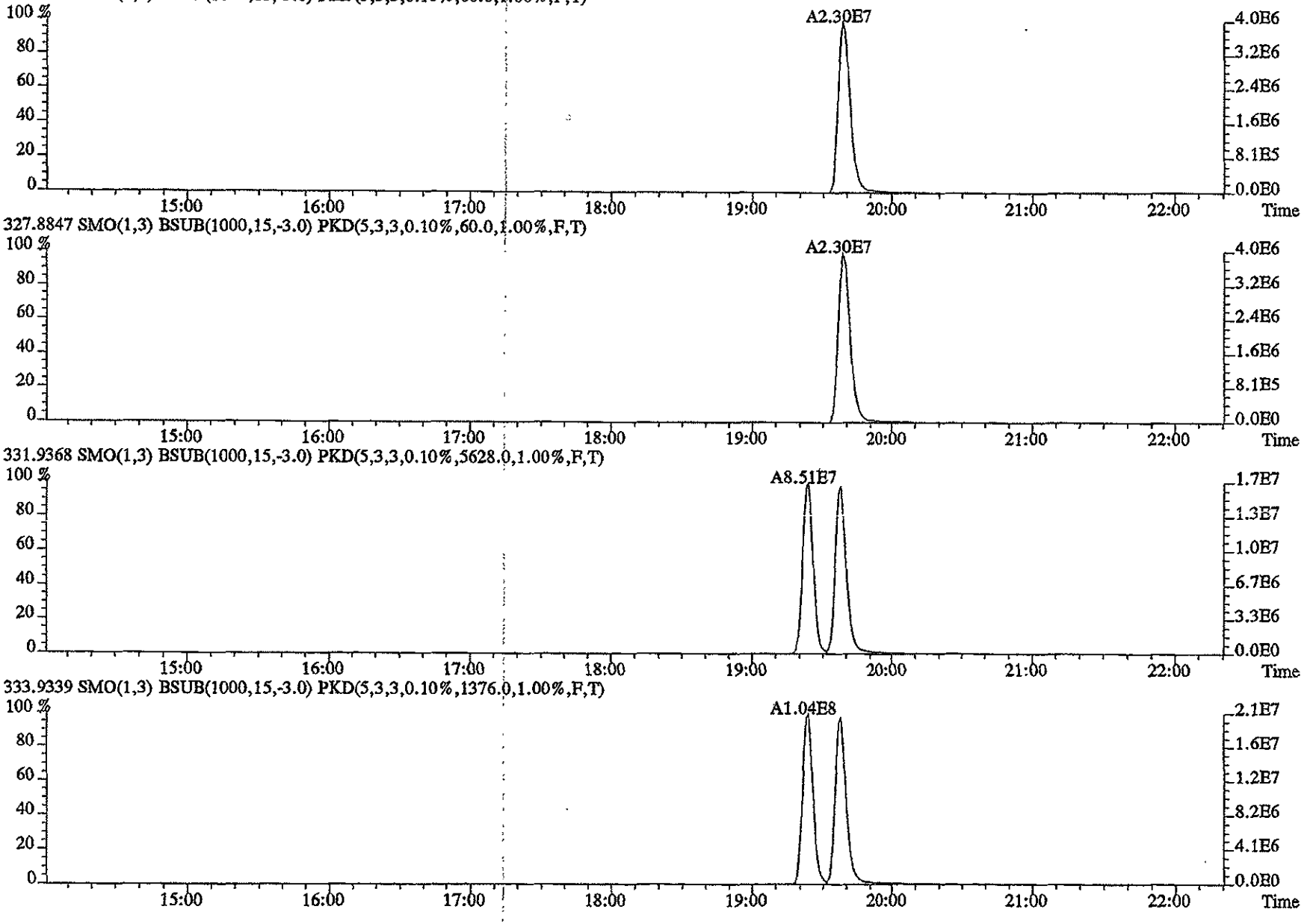
File:04FE104D5 #1-578 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN



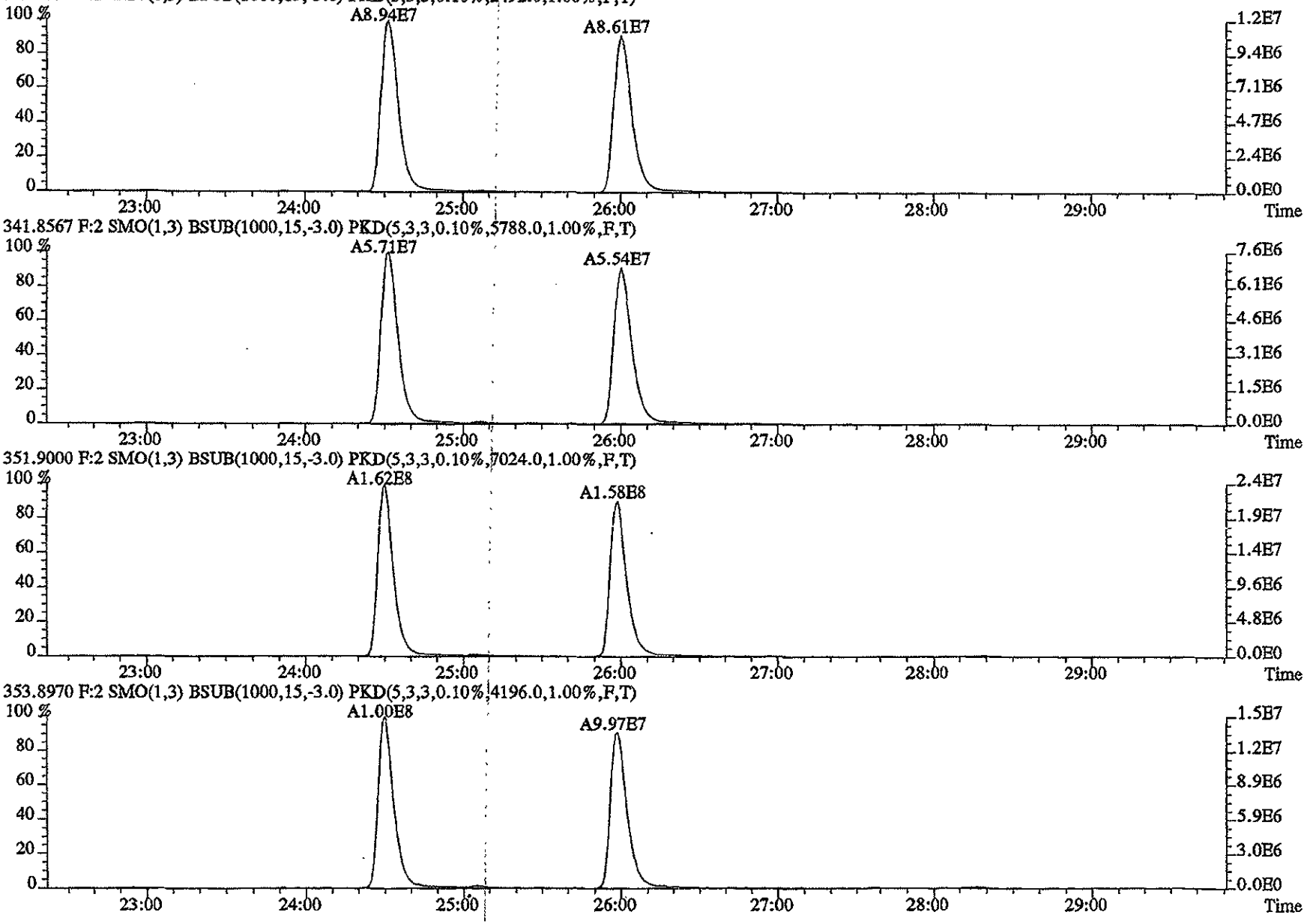
File:04FE104D5 #1-578 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN



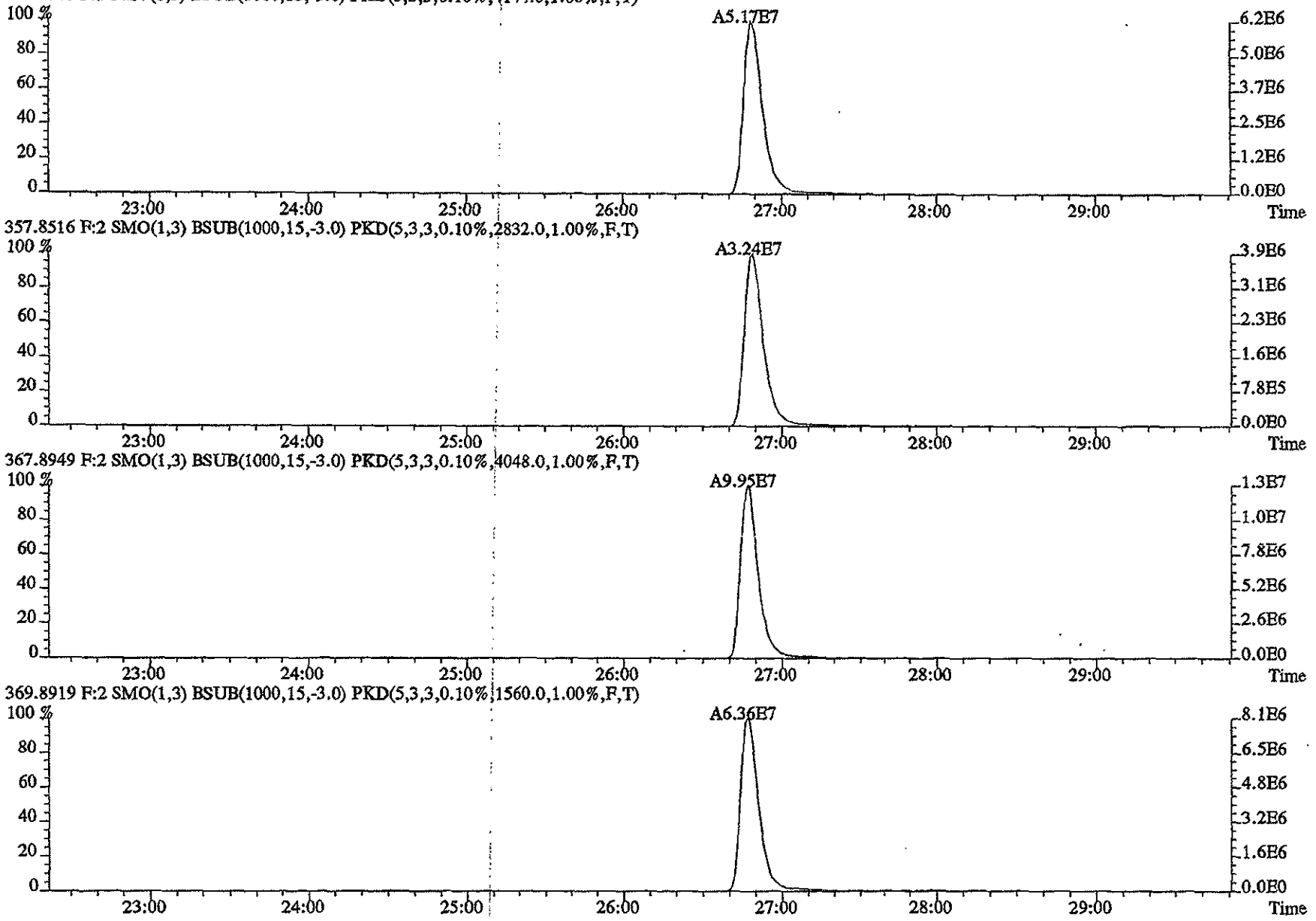
File:04FB104D5 #1-578 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN



File:04FB104D5 #1-597 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN

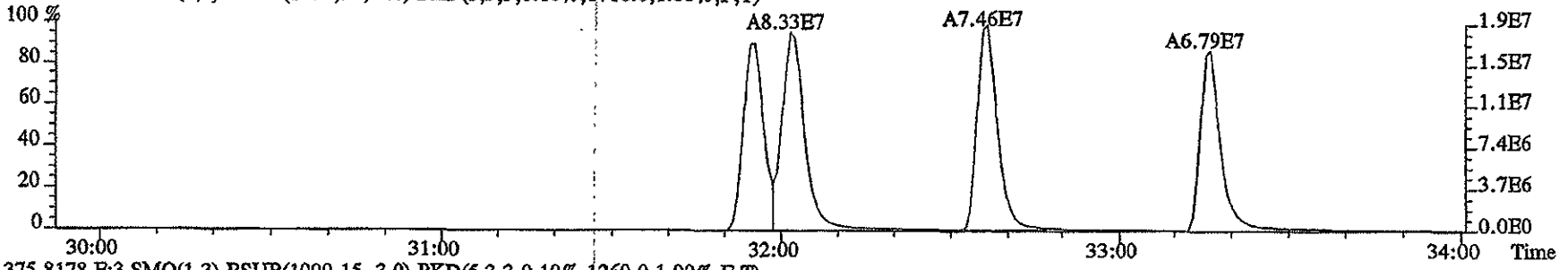


File:04FE104D5 #1-597 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN

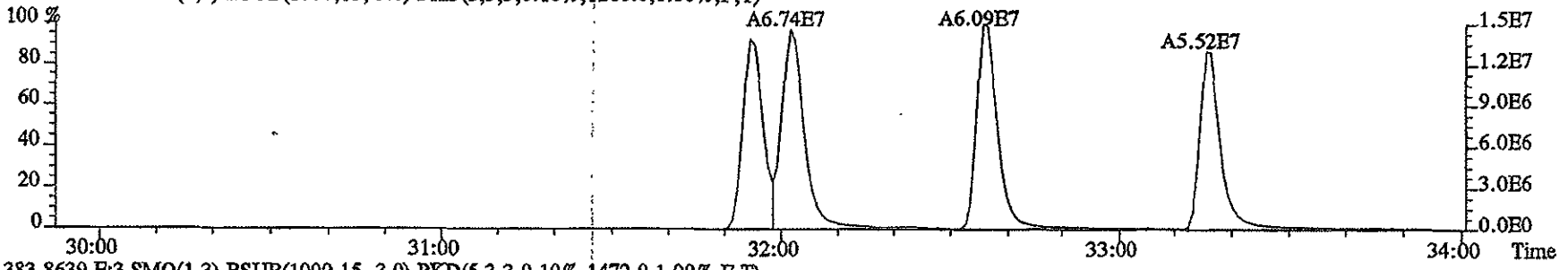


File:04FEB104D5 #1-314 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN

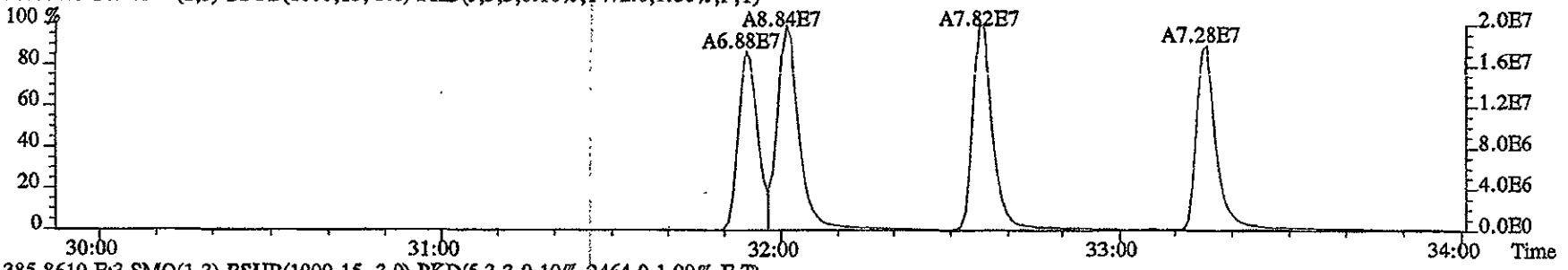
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1716.0,1.00%,F,T)



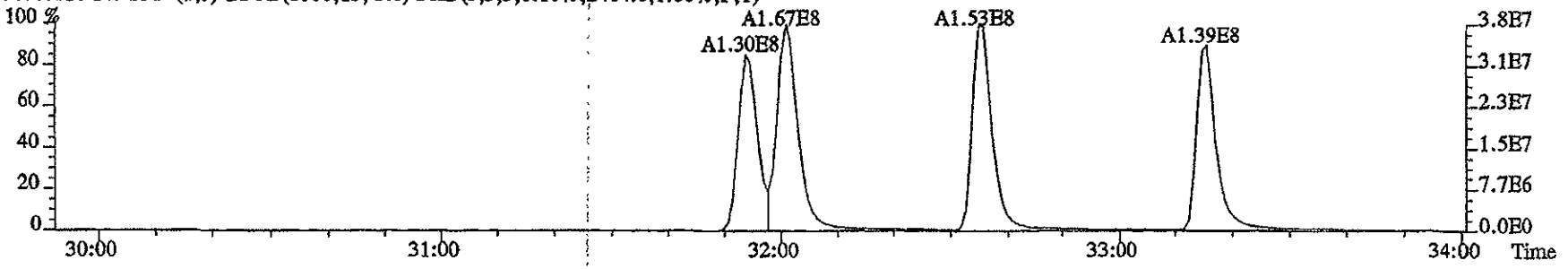
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1260.0,1.00%,F,T)



383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1472.0,1.00%,F,T)

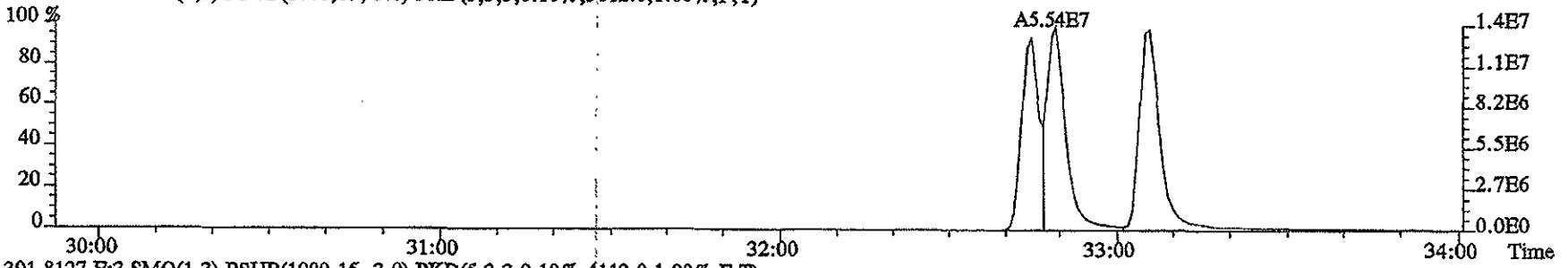


385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2464.0,1.00%,F,T)

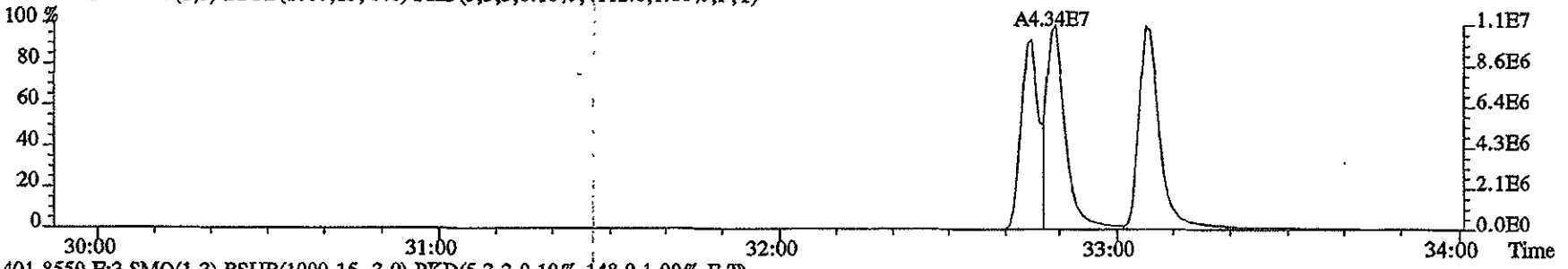


File:04FE104D5 #1-314 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN

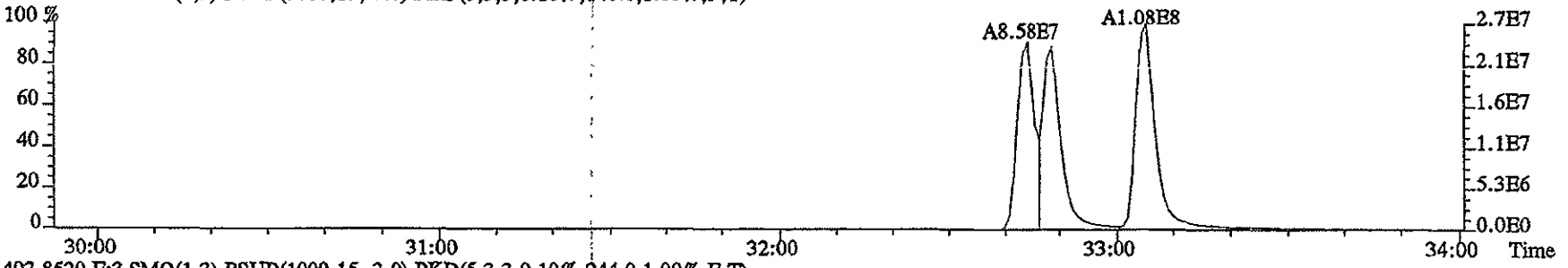
389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3612.0,1.00%,F,T)



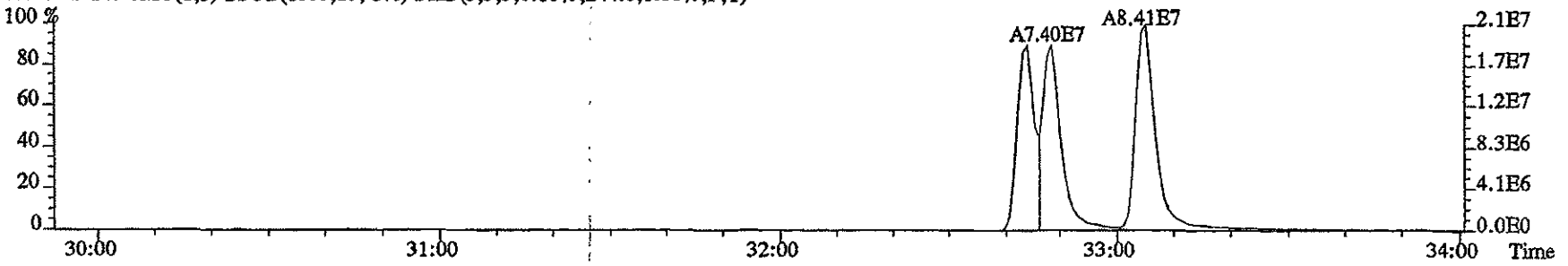
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4112.0,1.00%,F,T)



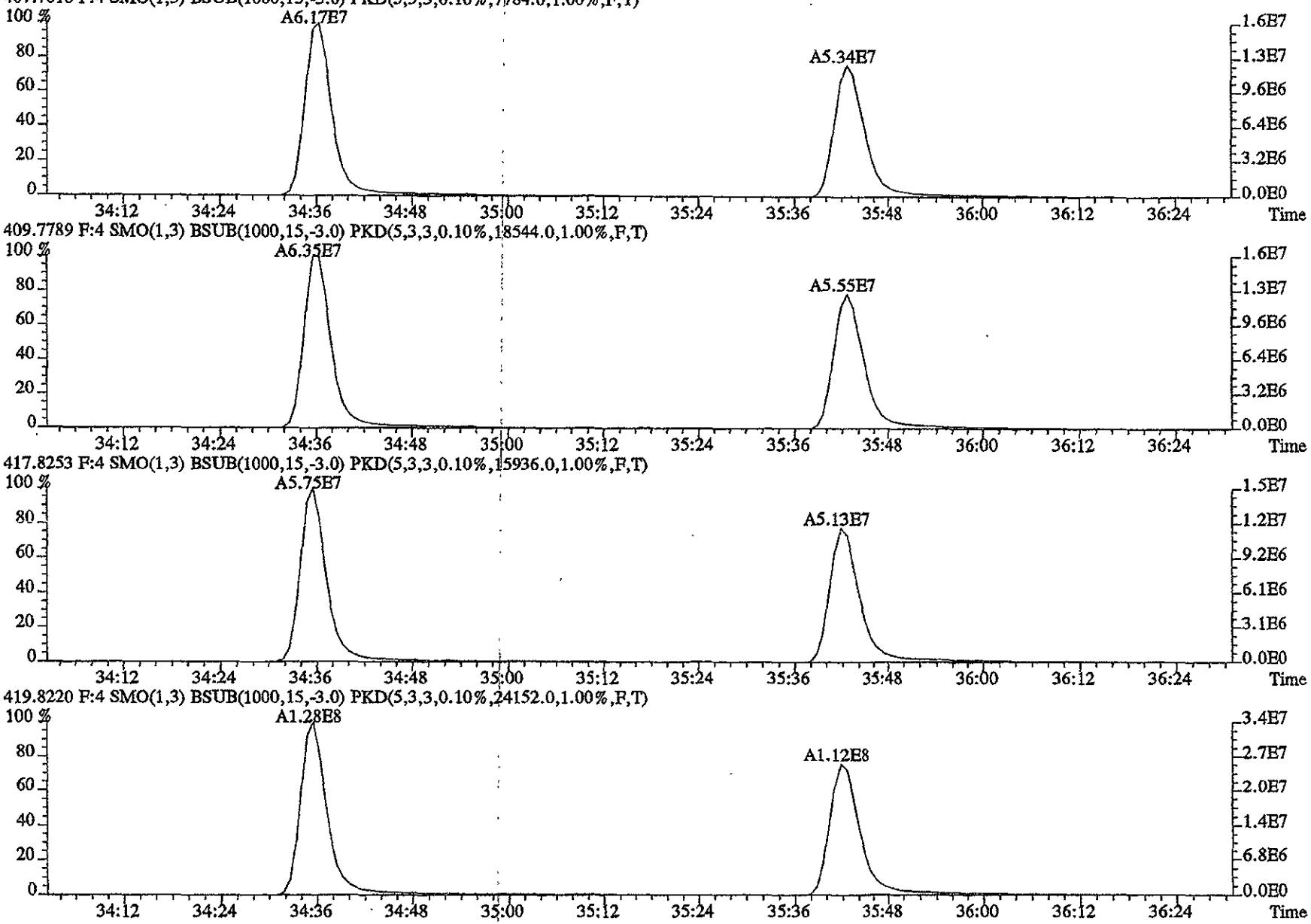
401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)



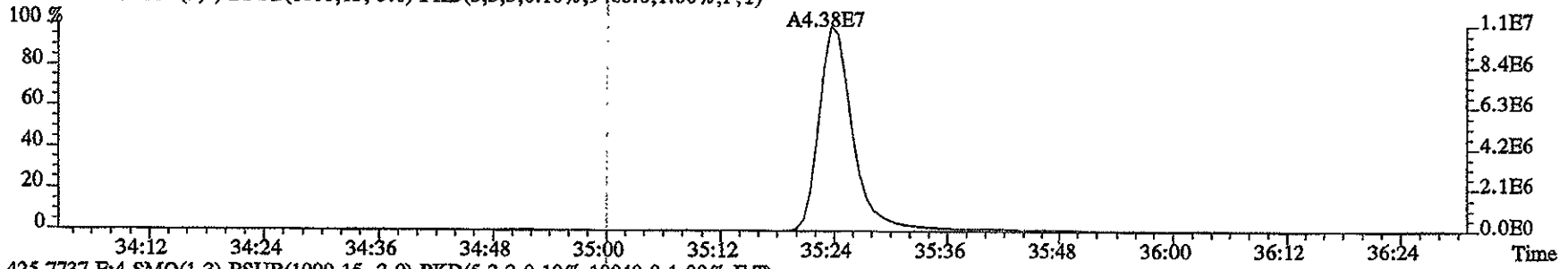
403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,244.0,1.00%,F,T)

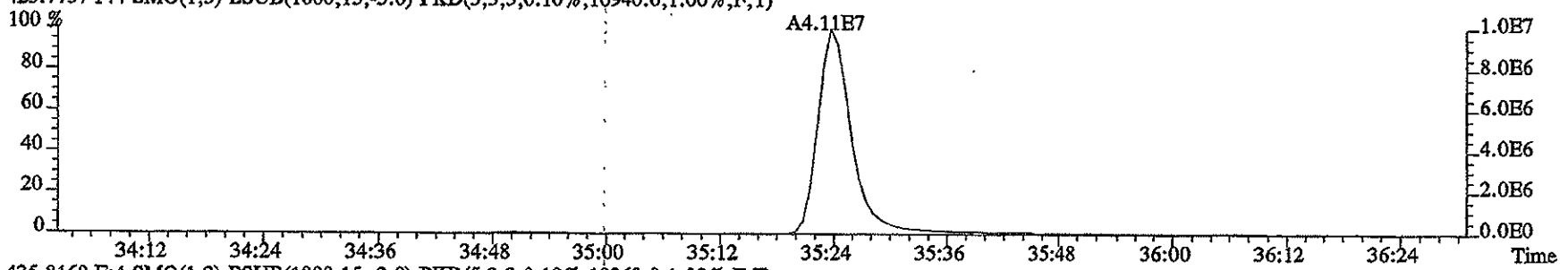


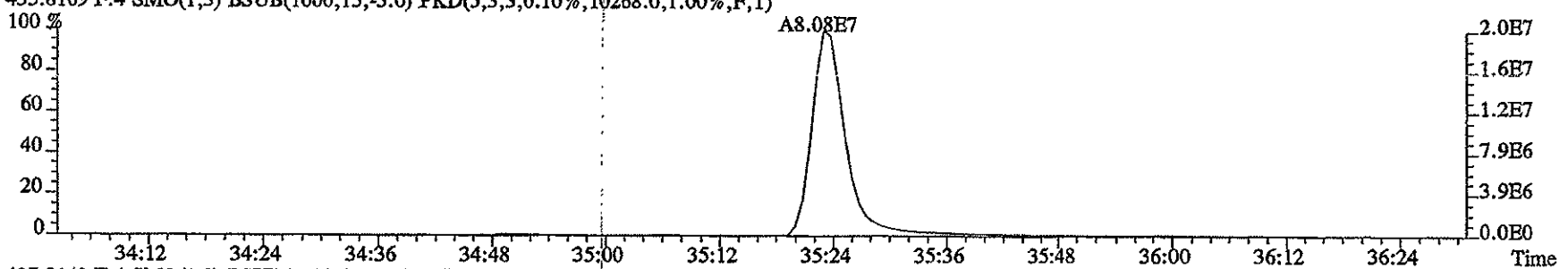
File:04FE104D5 #1-198 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN

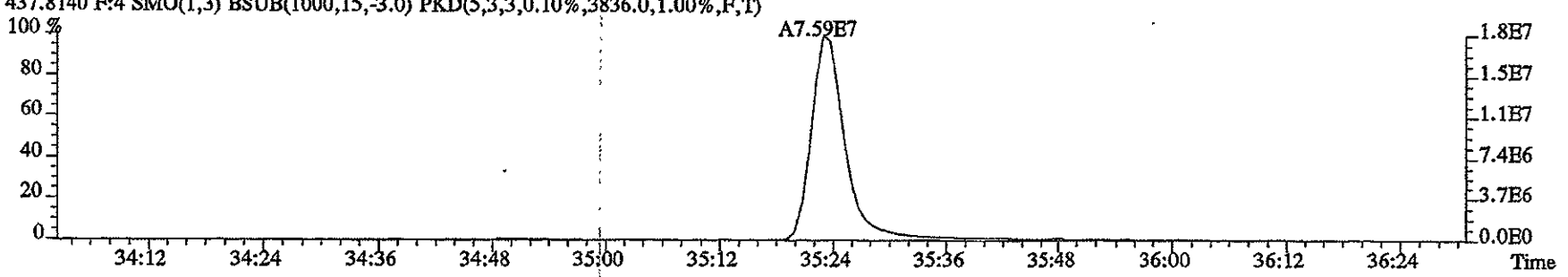


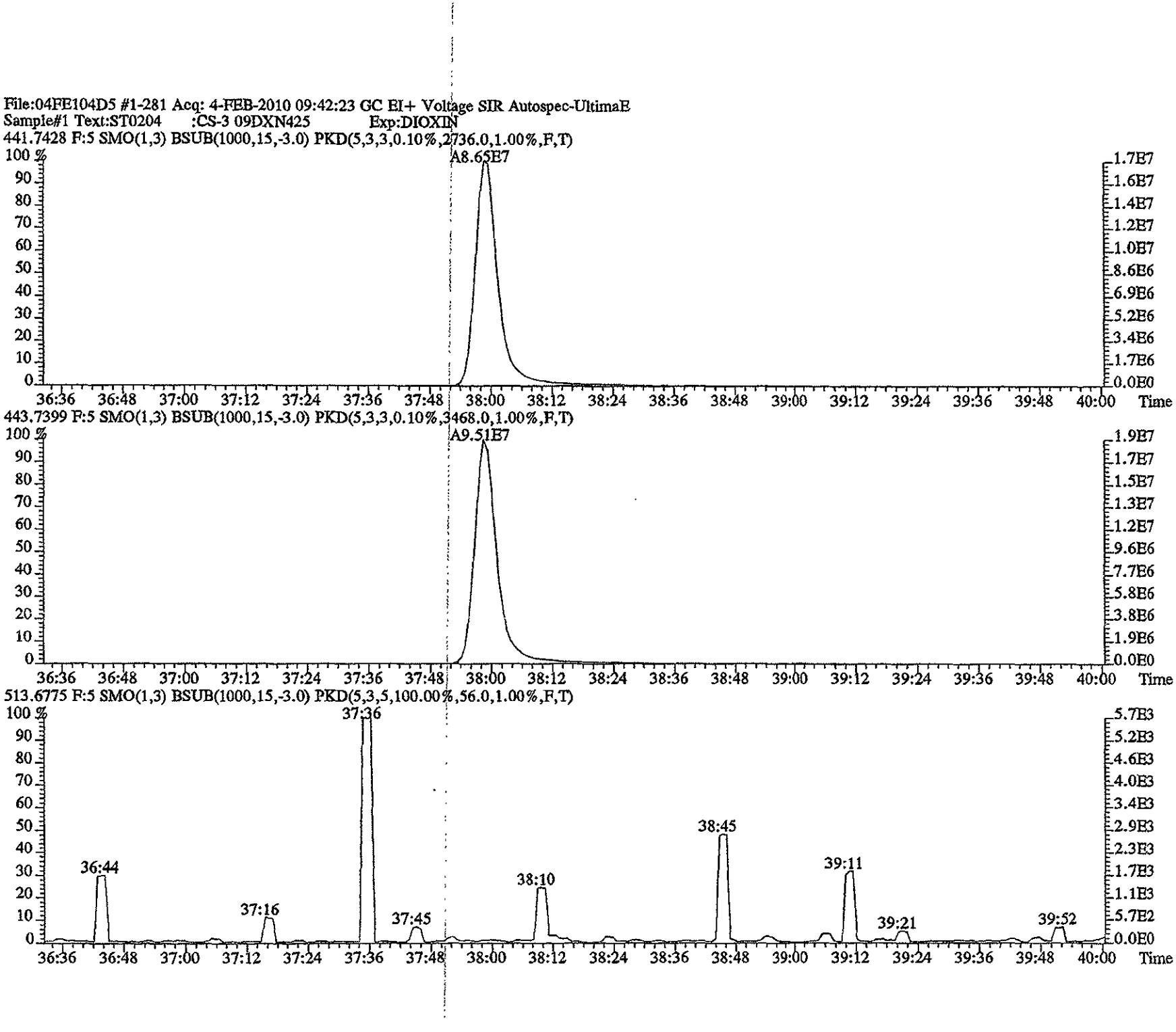
File:04FE104D5 #1-198 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN



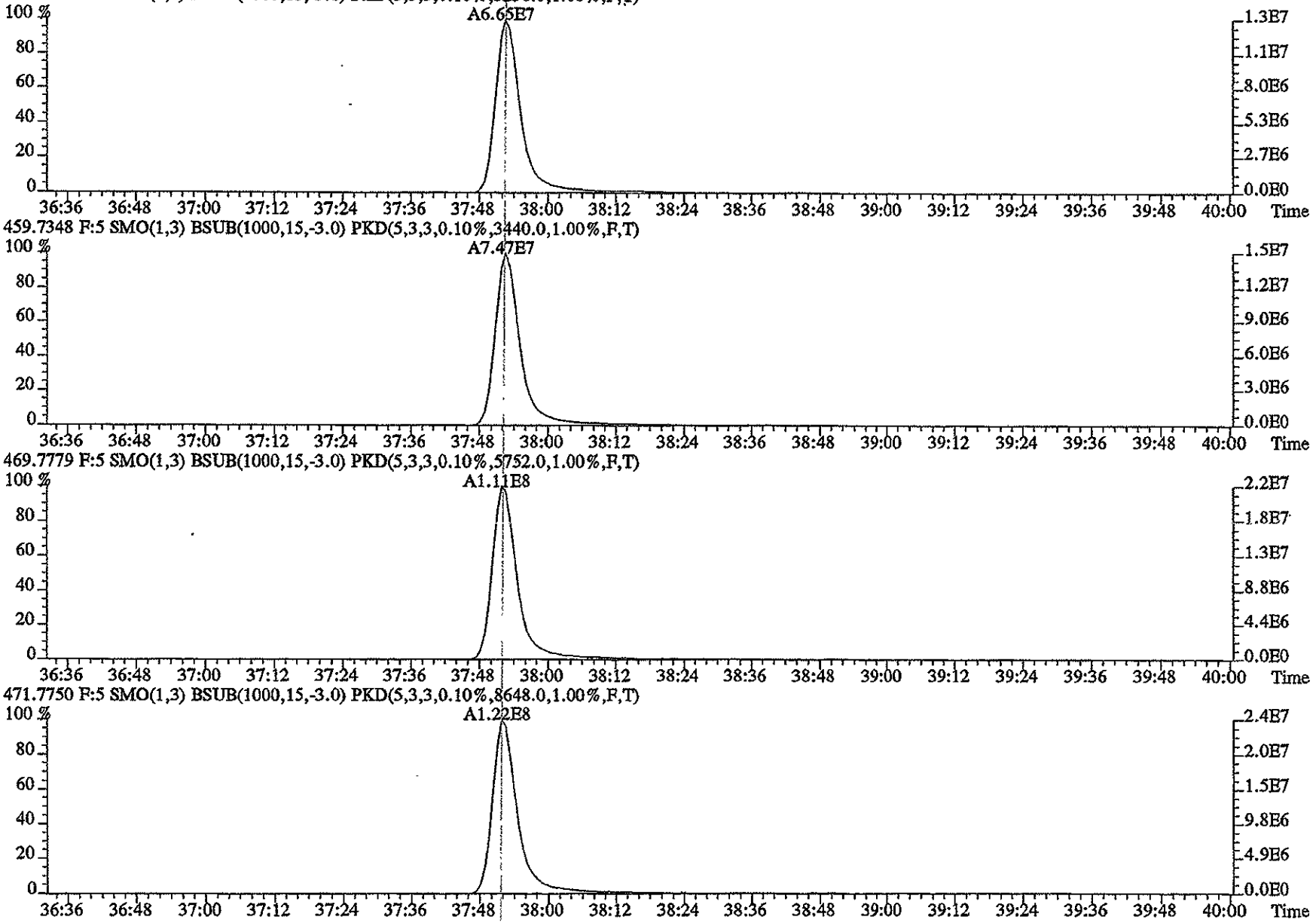


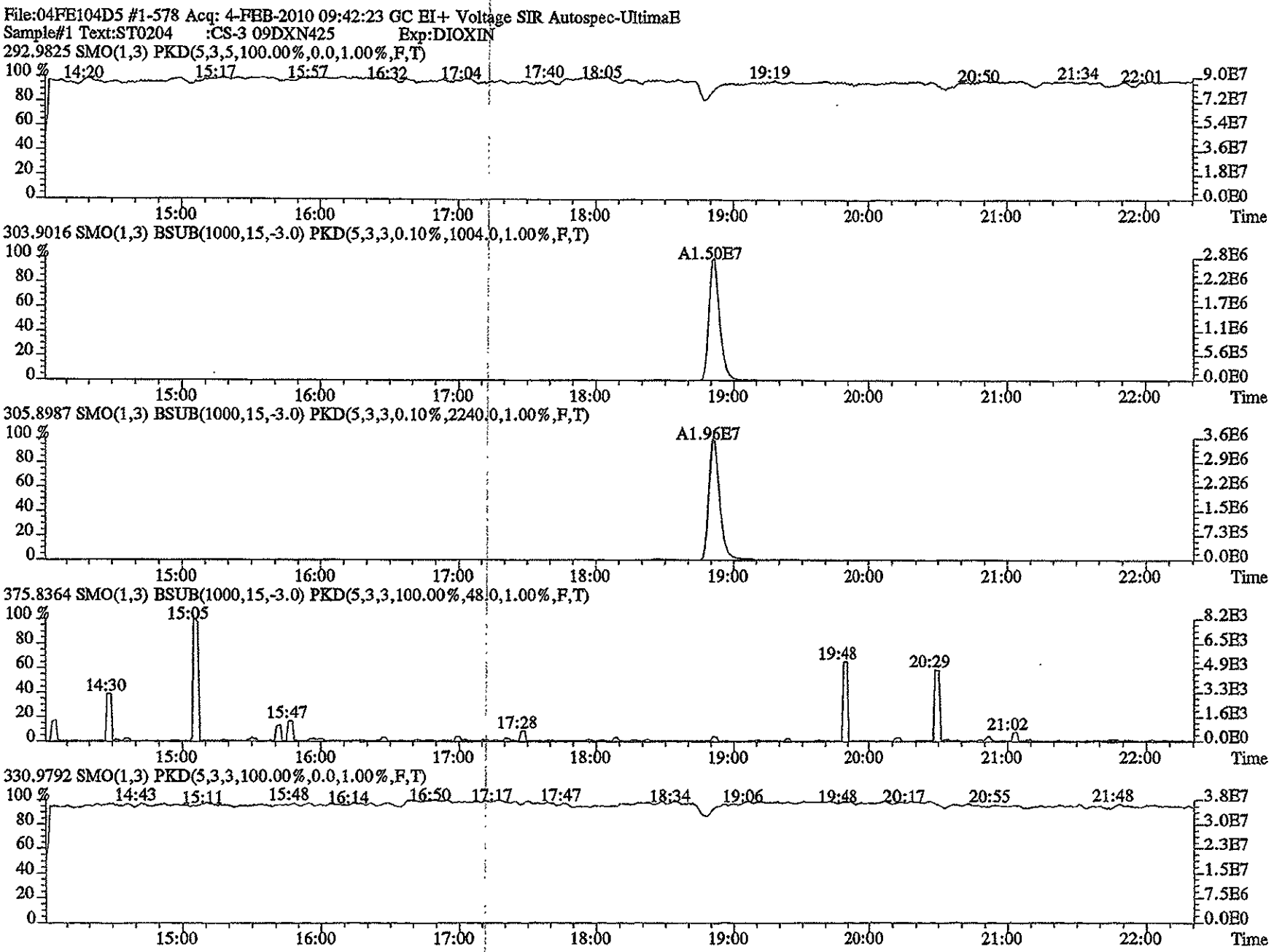






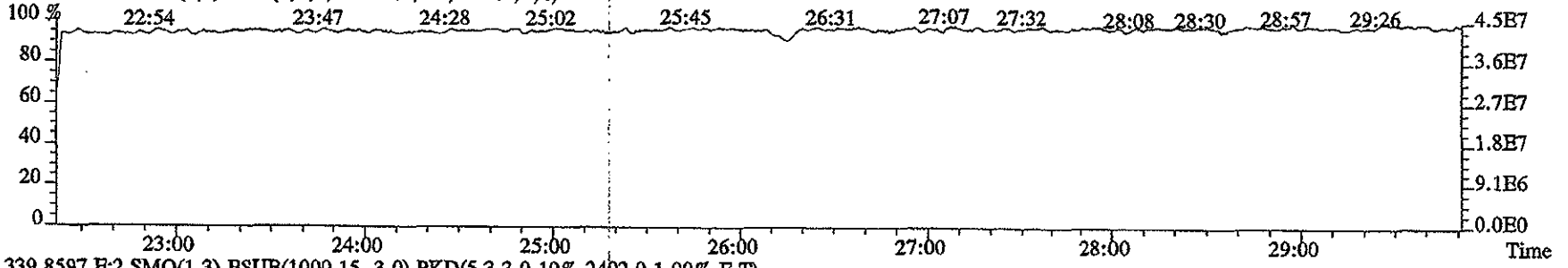
File:04FE104D5 #1-281 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN



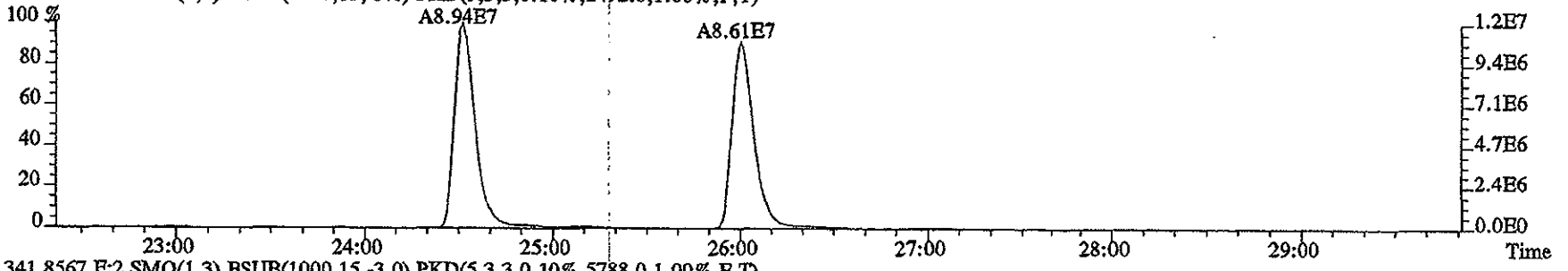


File:04FE104D5 #1-597 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN

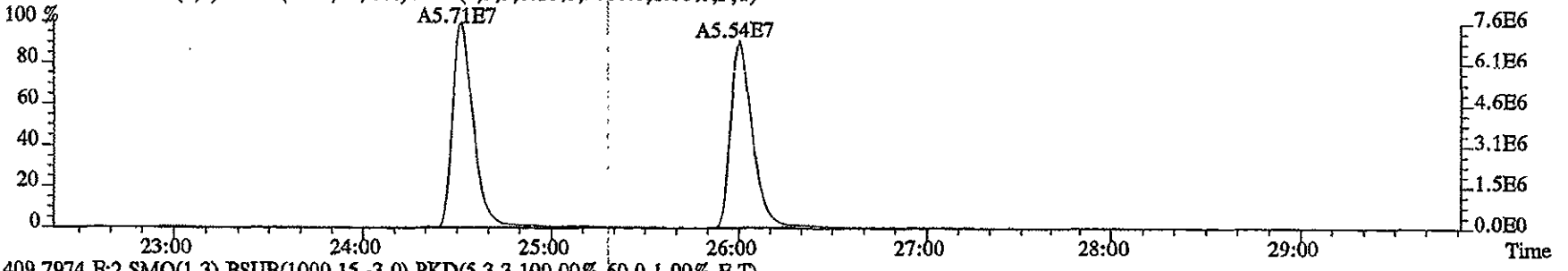
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



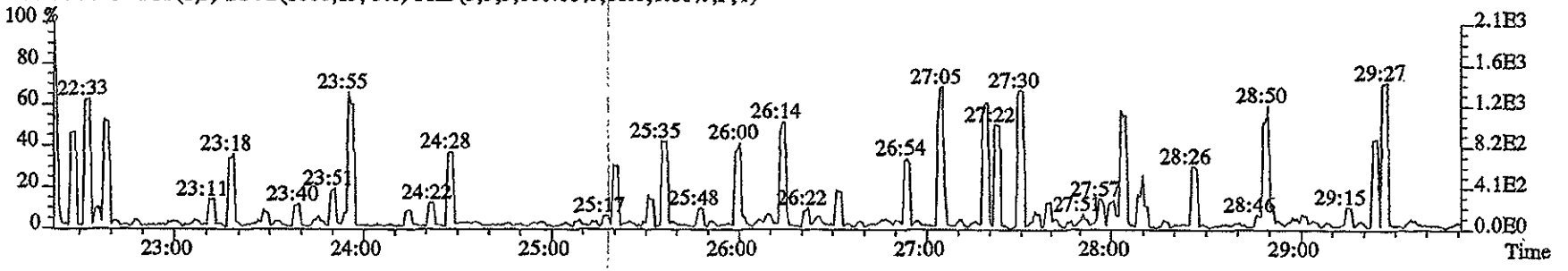
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2492.0,1.00%,F,T)



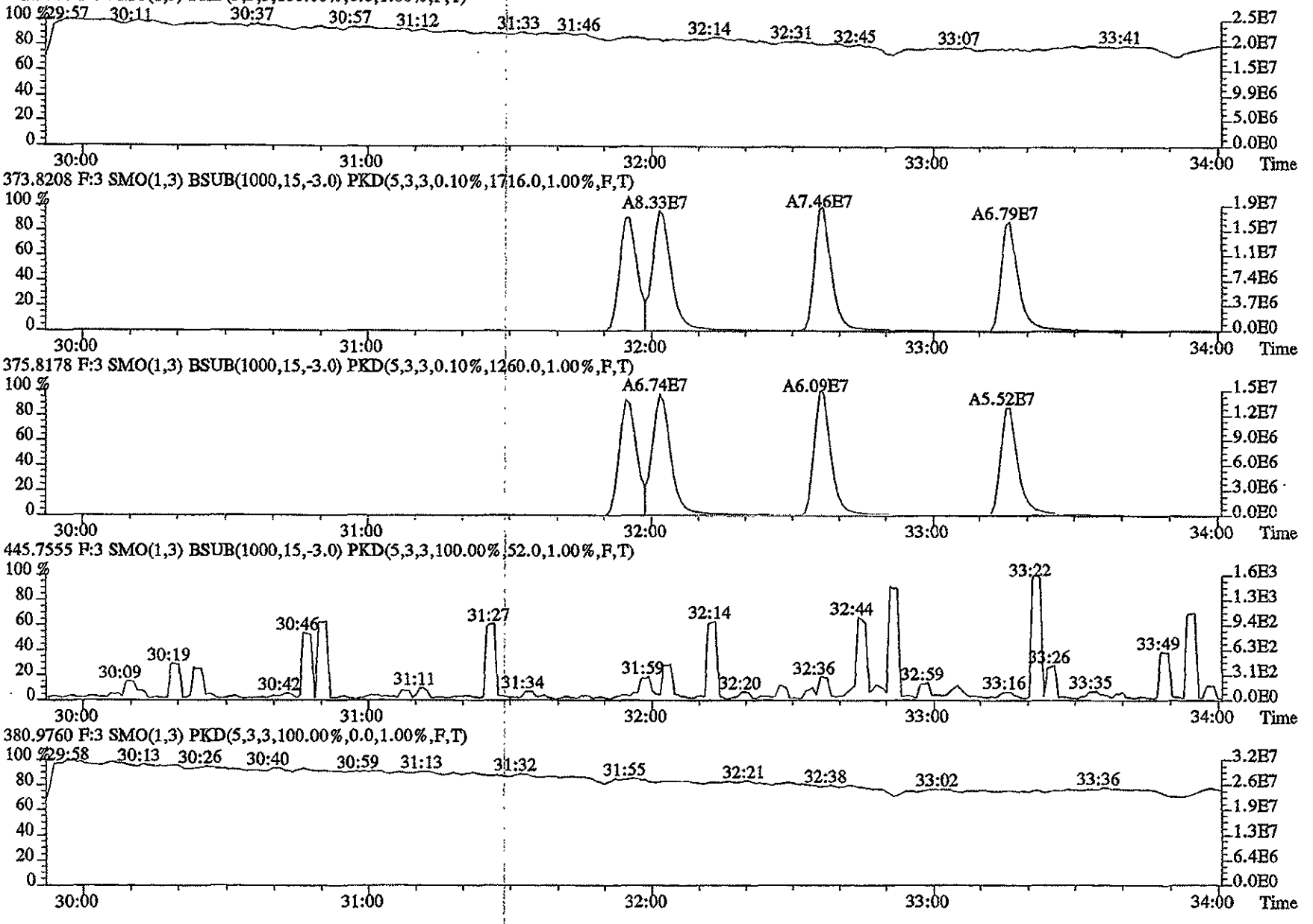
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5788.0,1.00%,F,T)



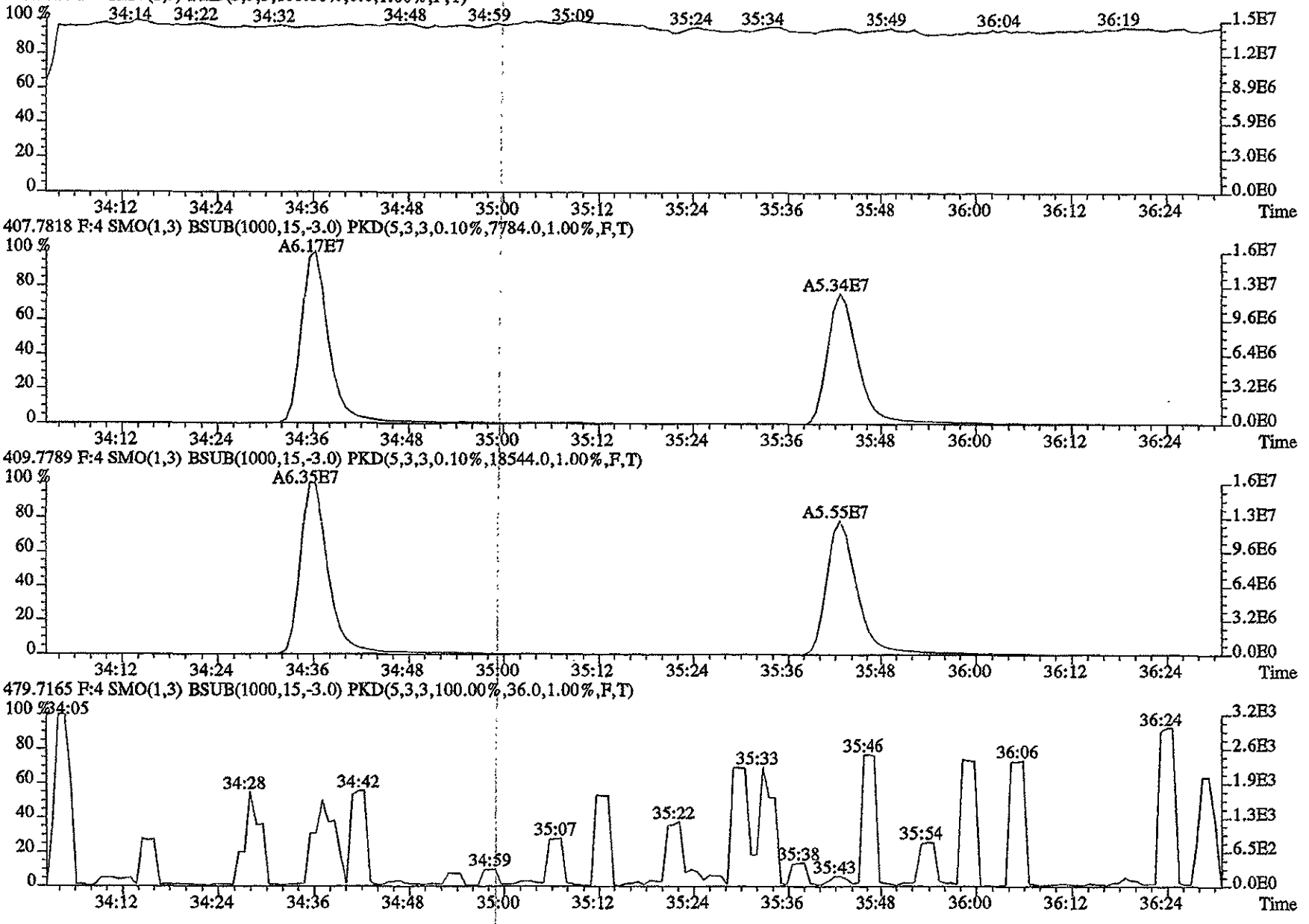
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,60.0,1.00%,F,T)



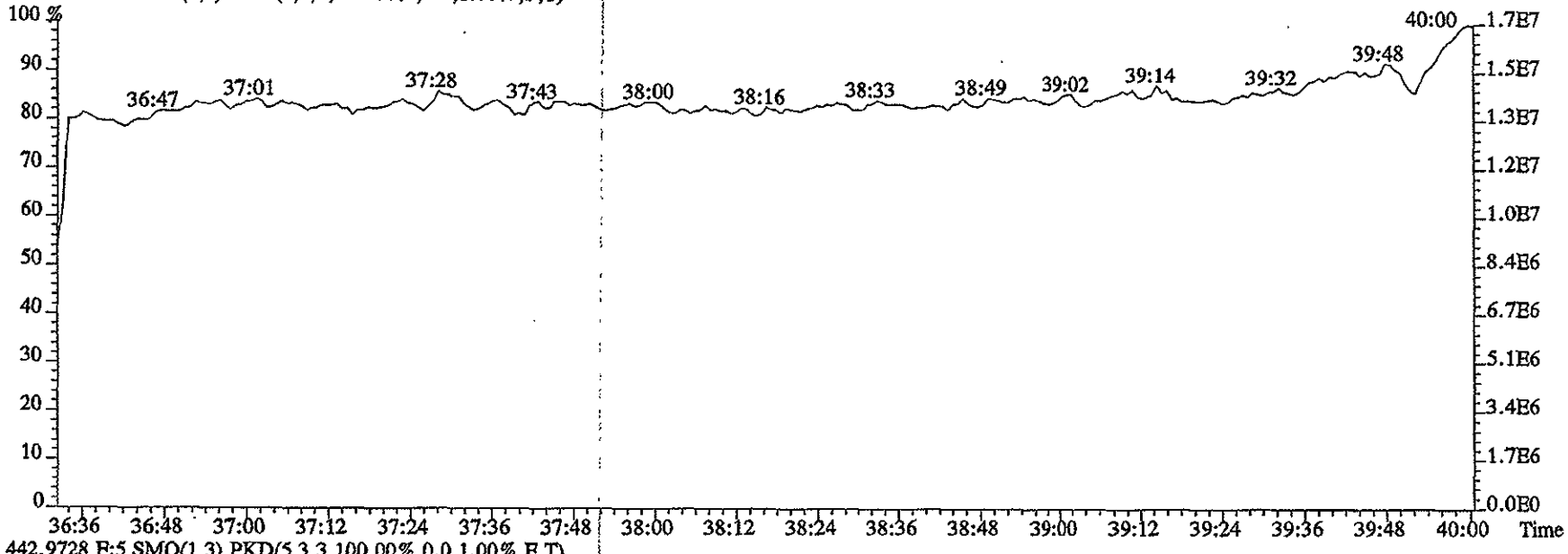
File:04FE104D5 #1-314 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN



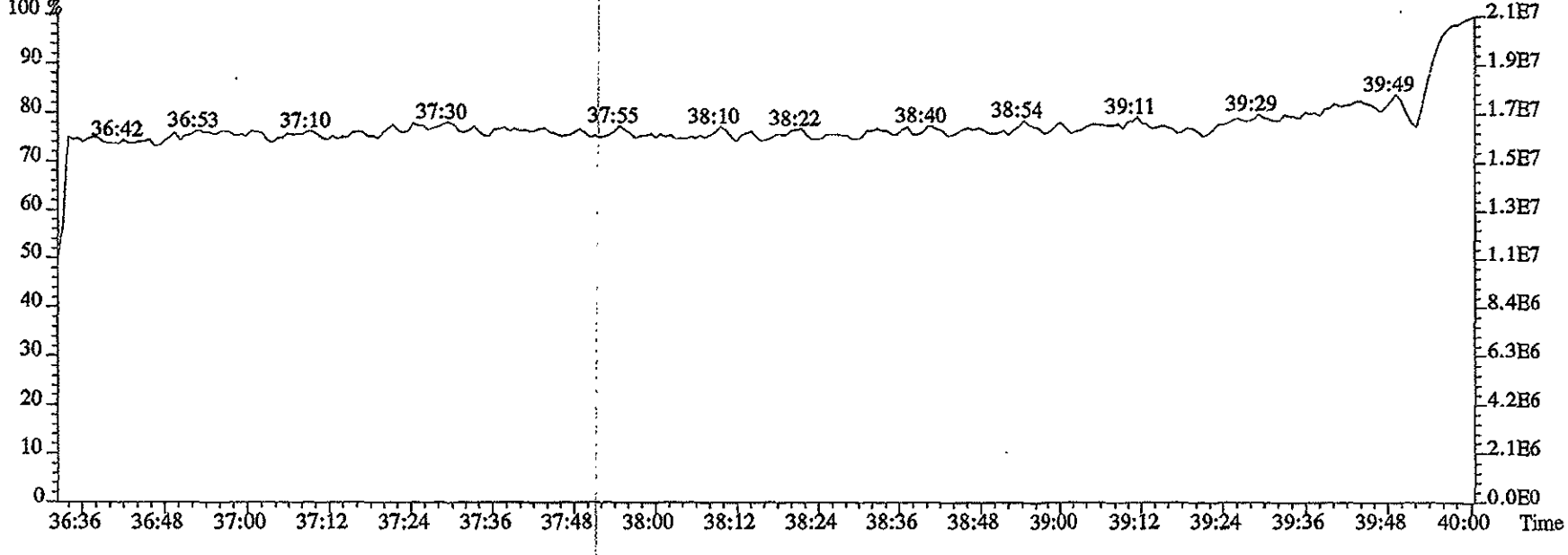
File:04FE104D5 #1-198 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN



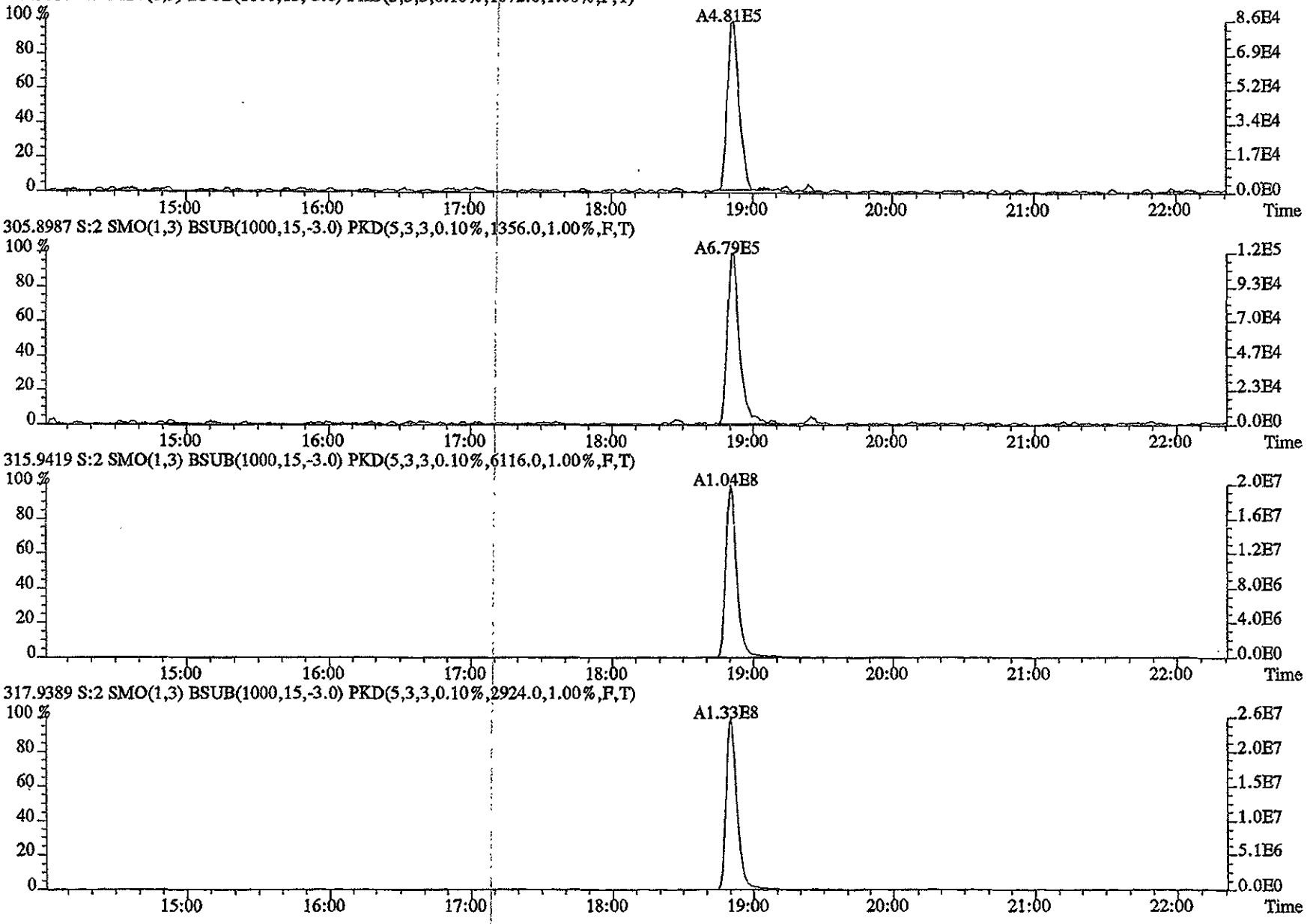
File:04FEB104D5 #1-281 Acq: 4-FEB-2010 09:42:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0204 :CS-3 09DXN425 Exp:DIOXIN
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



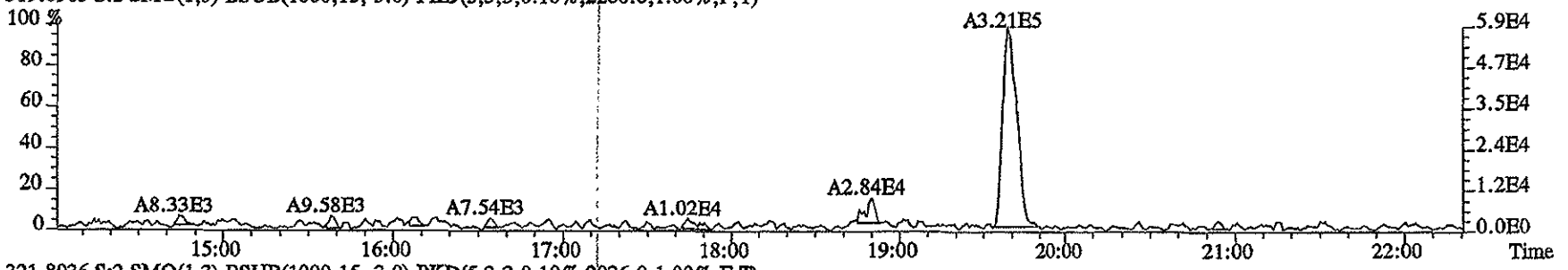
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

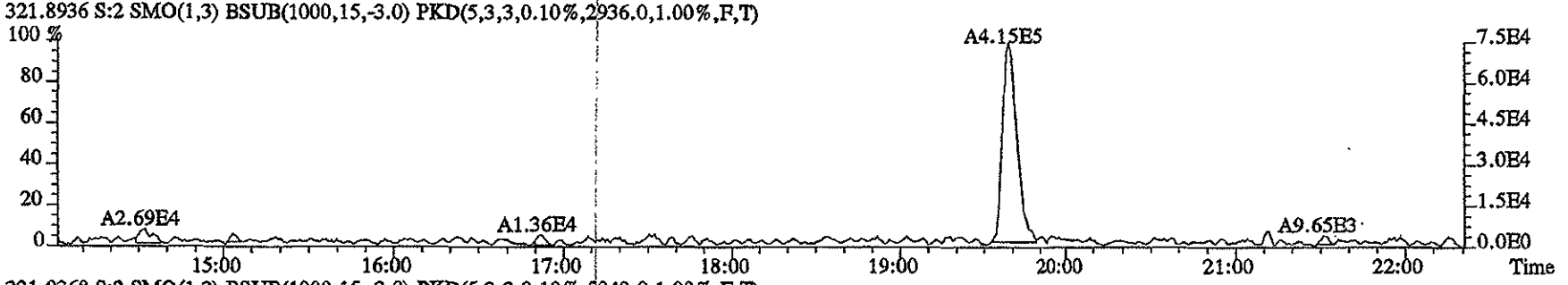


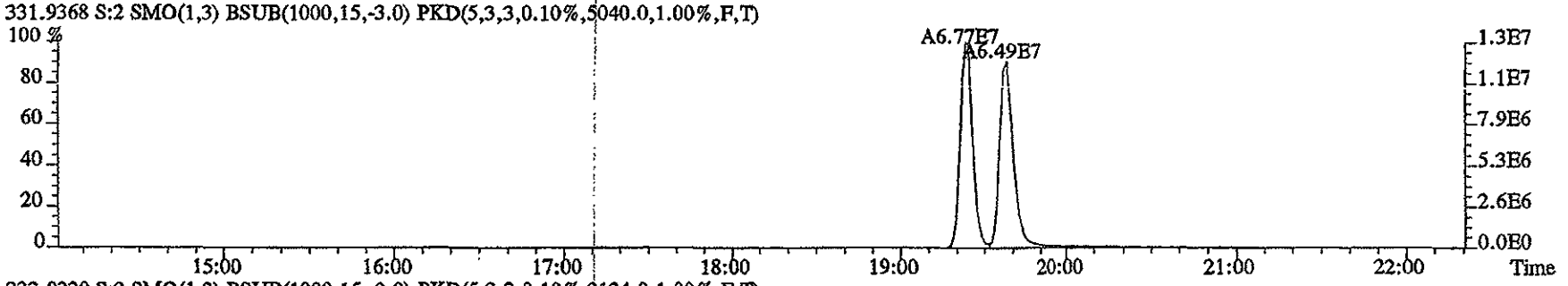
File:04FE104D5 #1-578 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

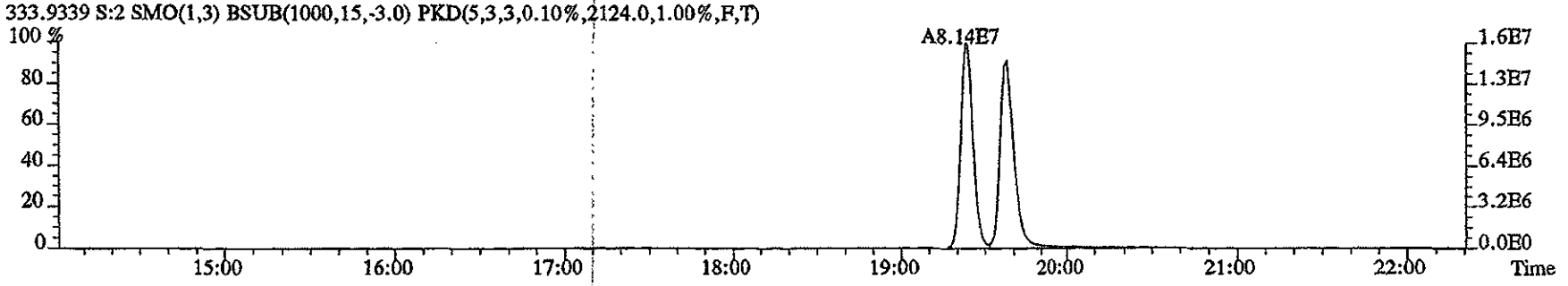


File:04FE104D5 #1-578 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

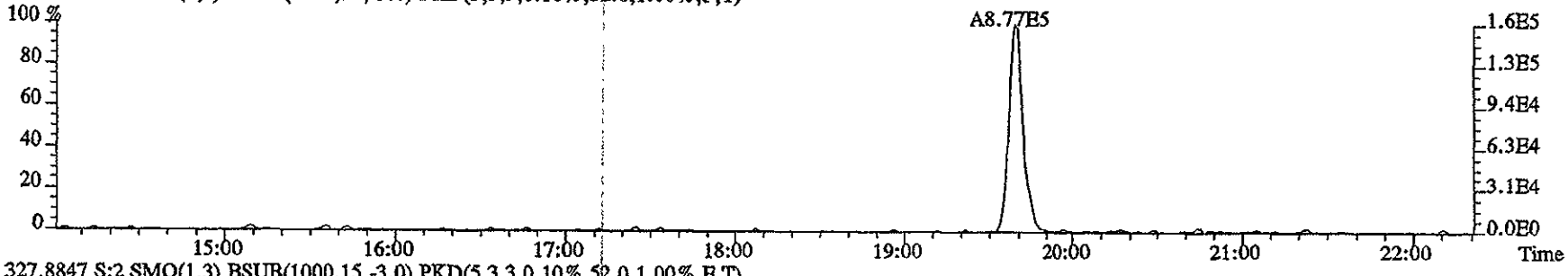


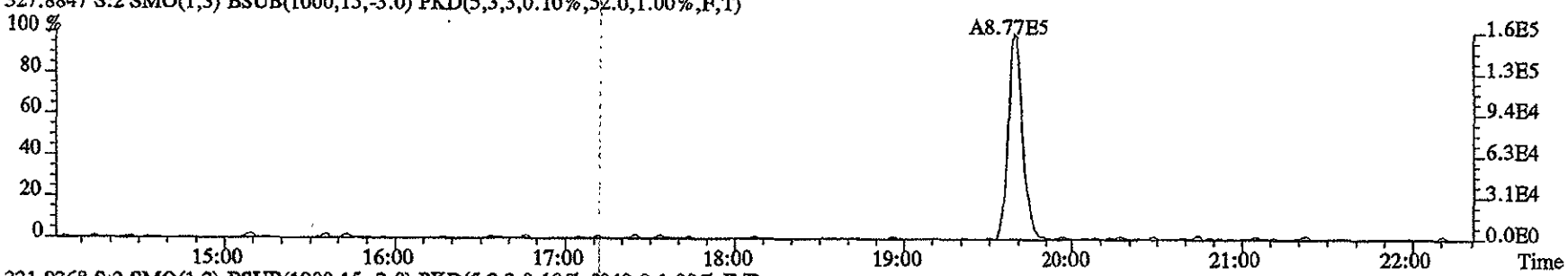


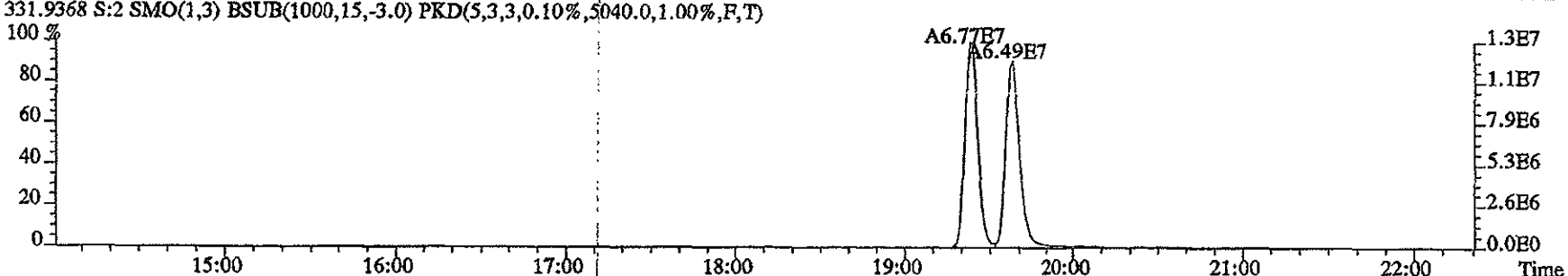


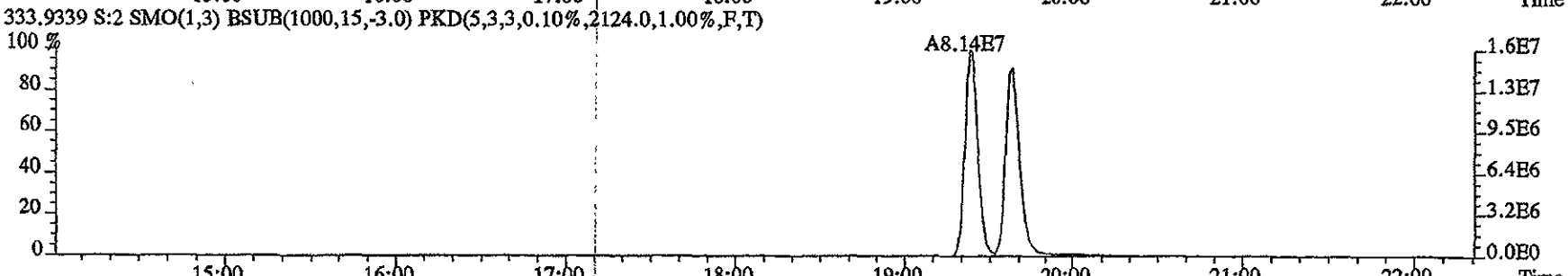


File:04FEB104D5 #1-578 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

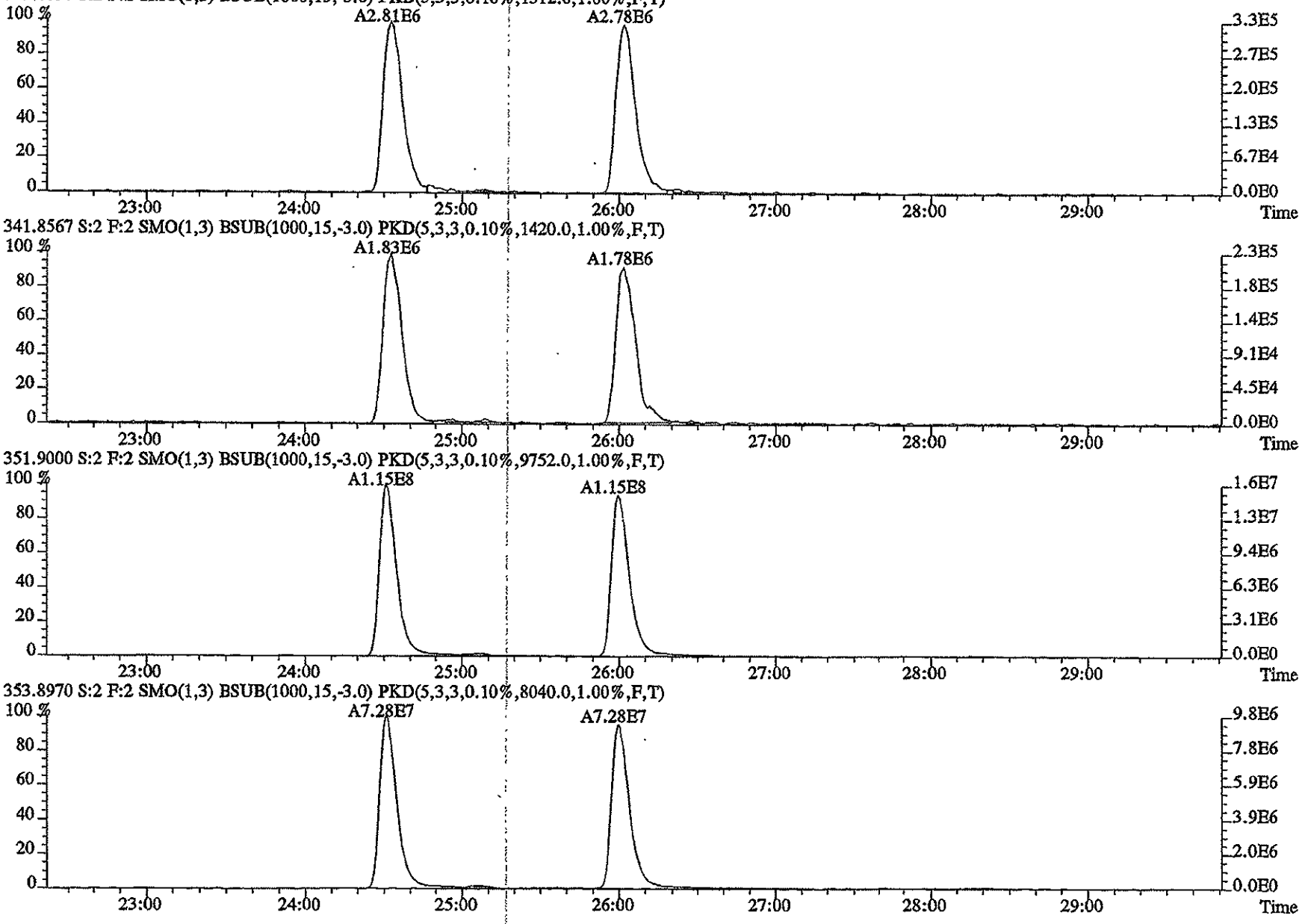




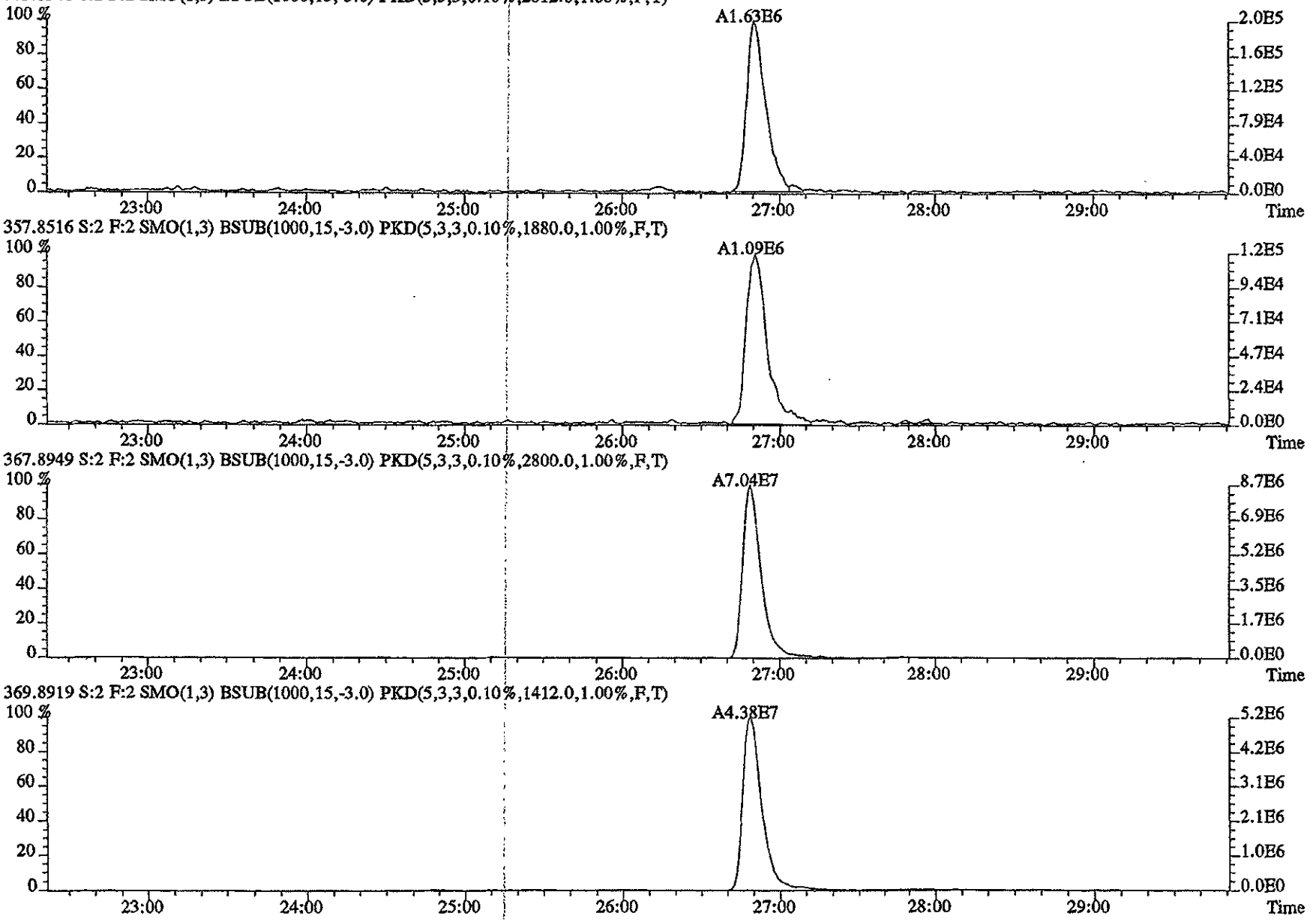




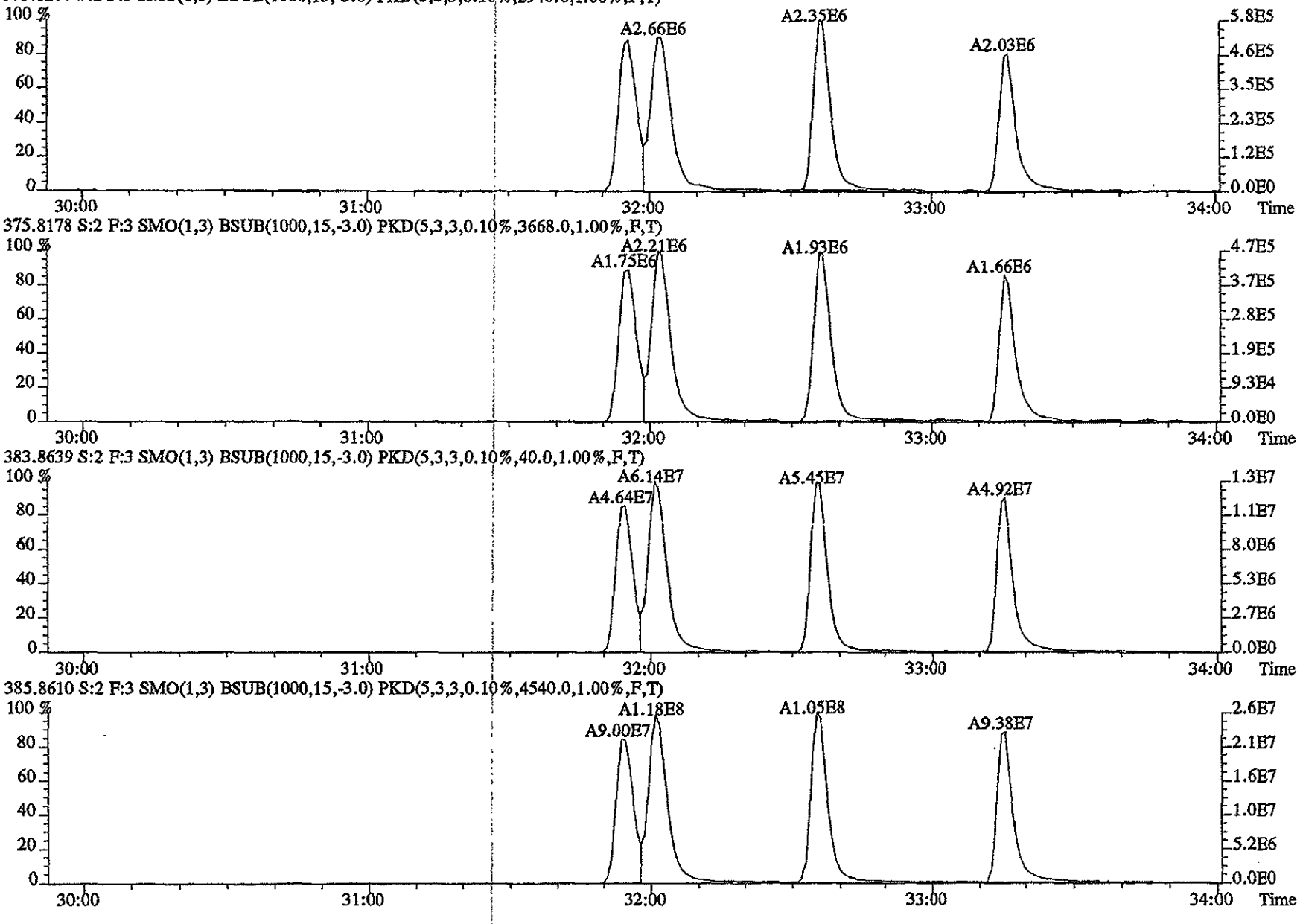
File:04FE104D5 #1-597 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN



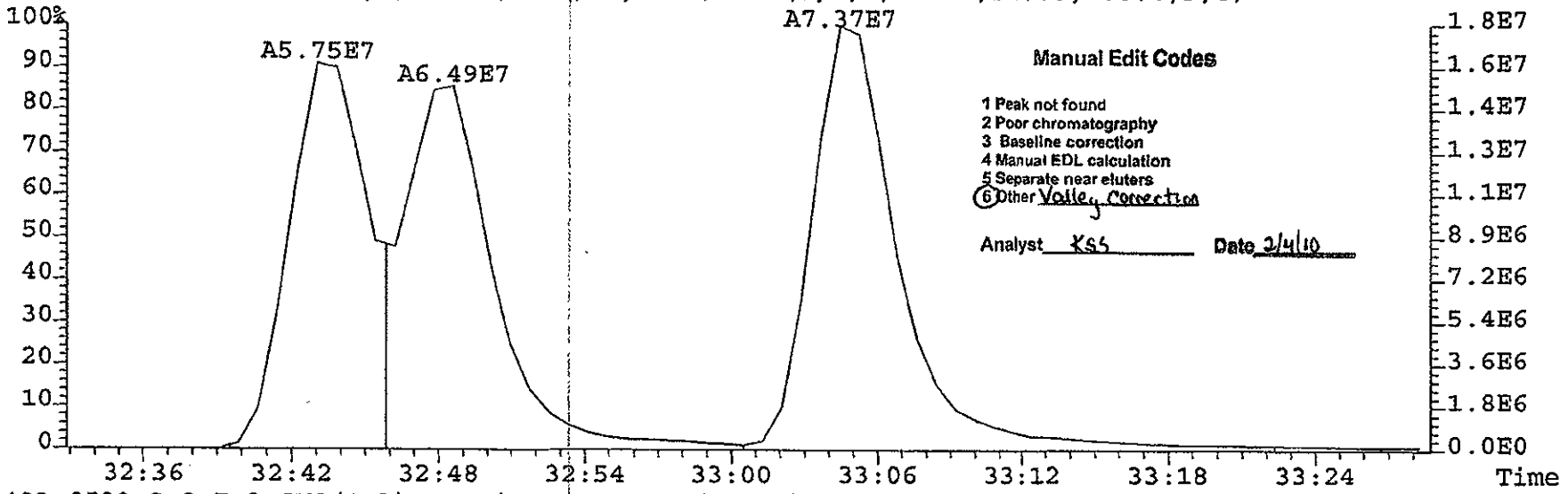
File:04FE104D5 #1-597 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN



File:04FE104D5 #1-314 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN



File:04FE104D5 #1-314 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)

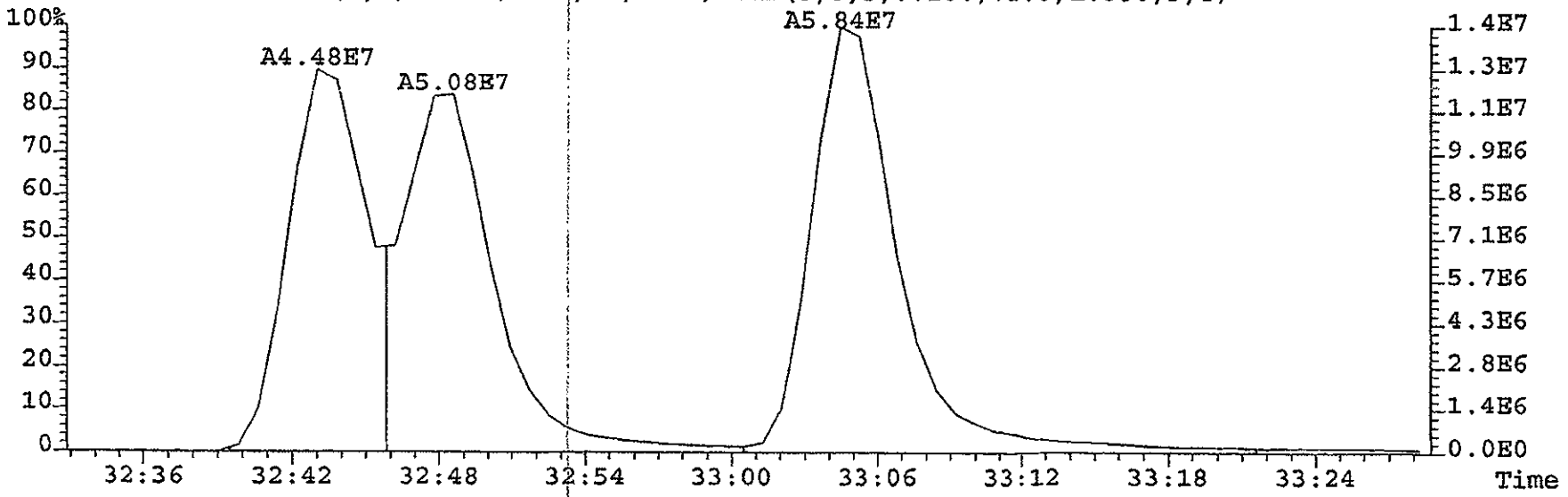


Manual Edit Codes

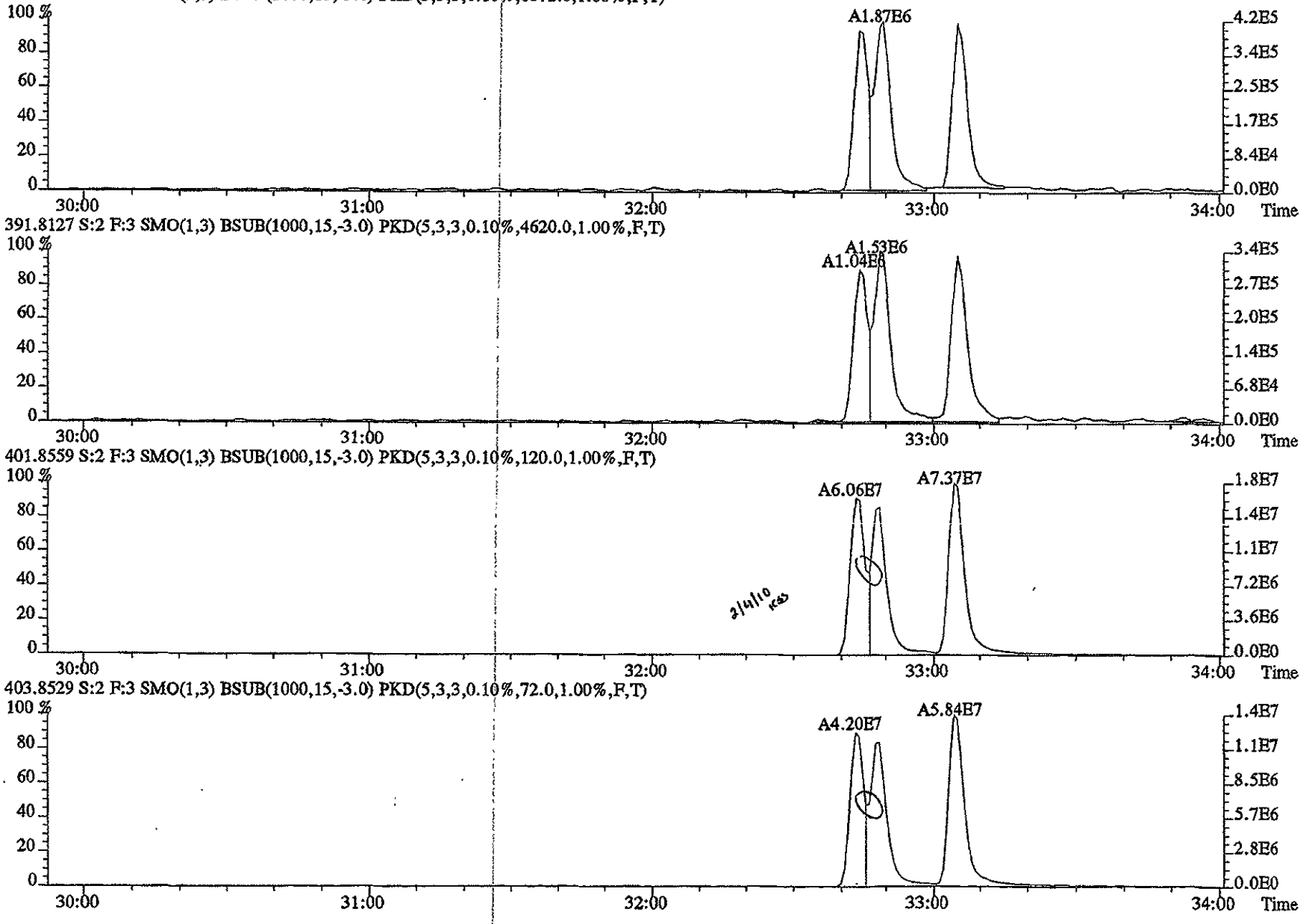
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
(6) Other Valley Correction

Analyst KSS Date 2/4/10

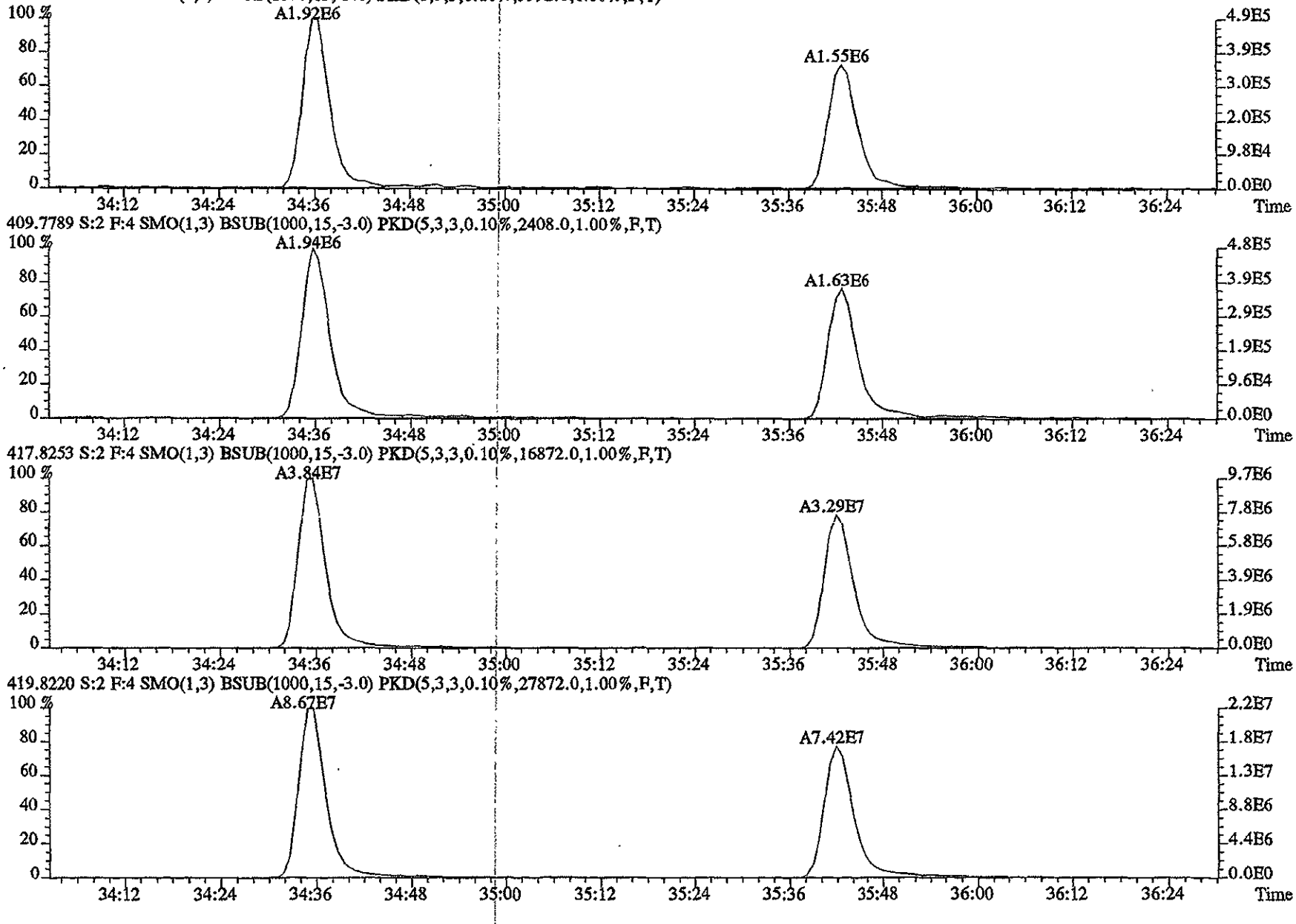
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)

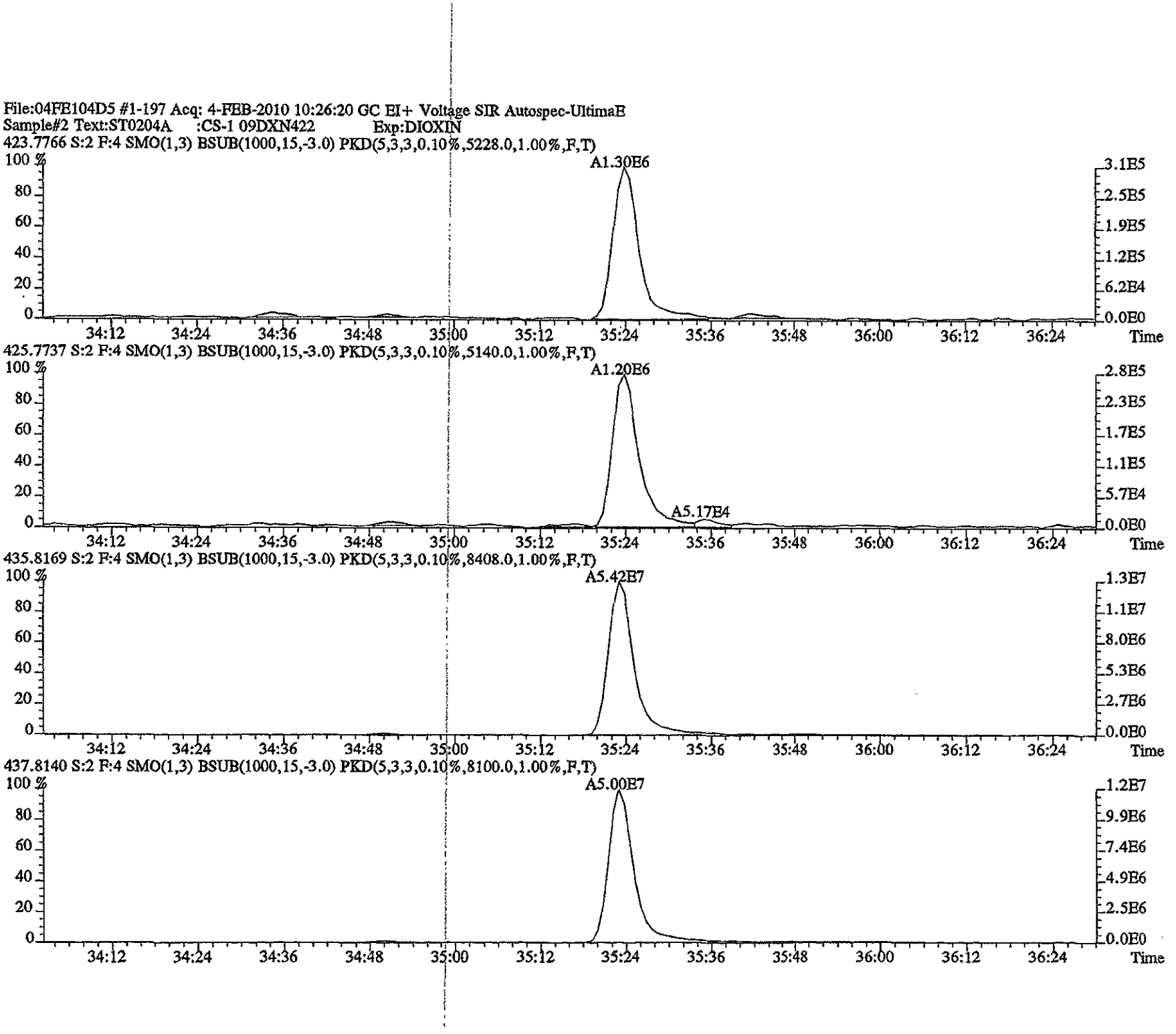


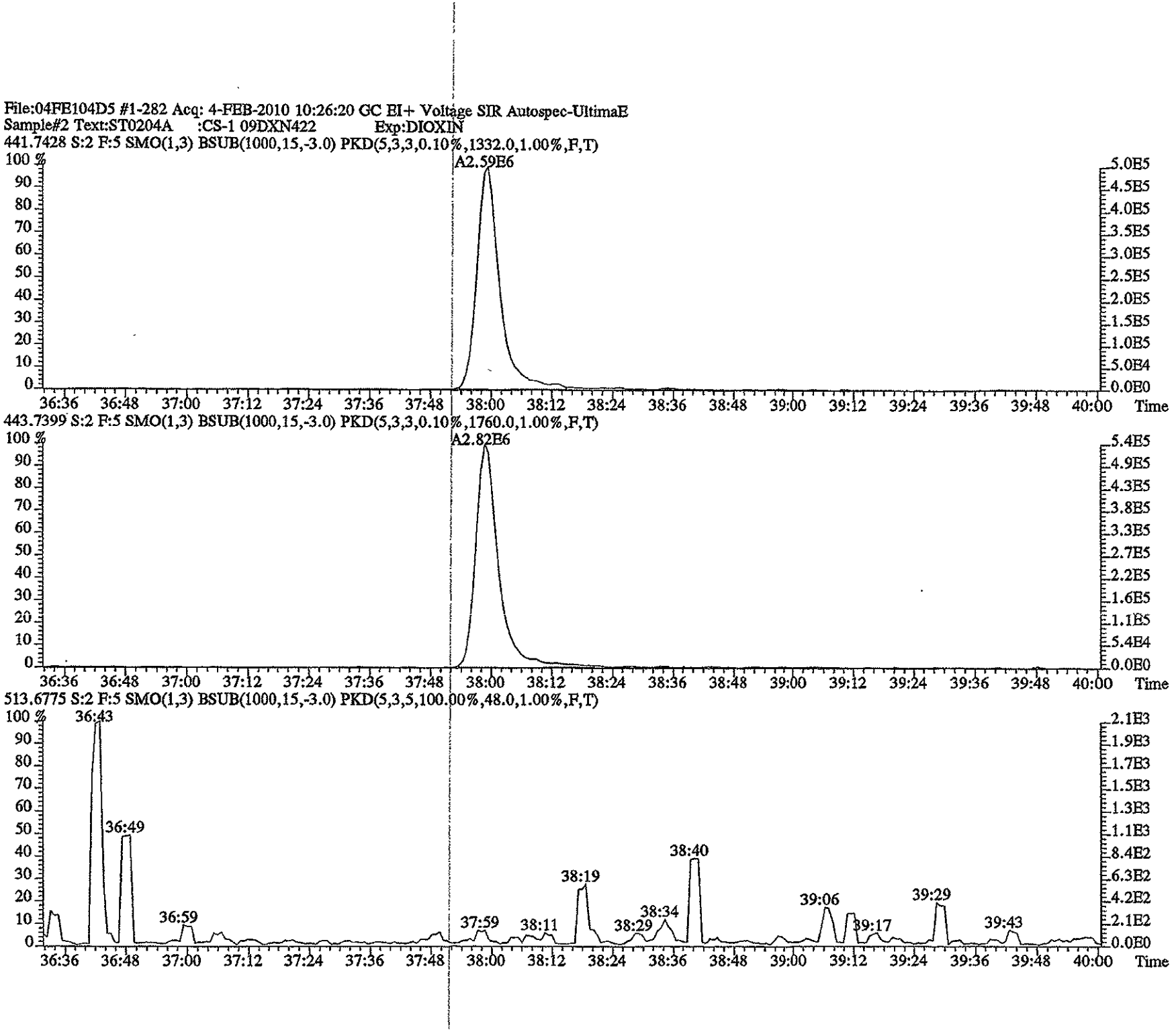
File:04FE104D5 #1-314 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

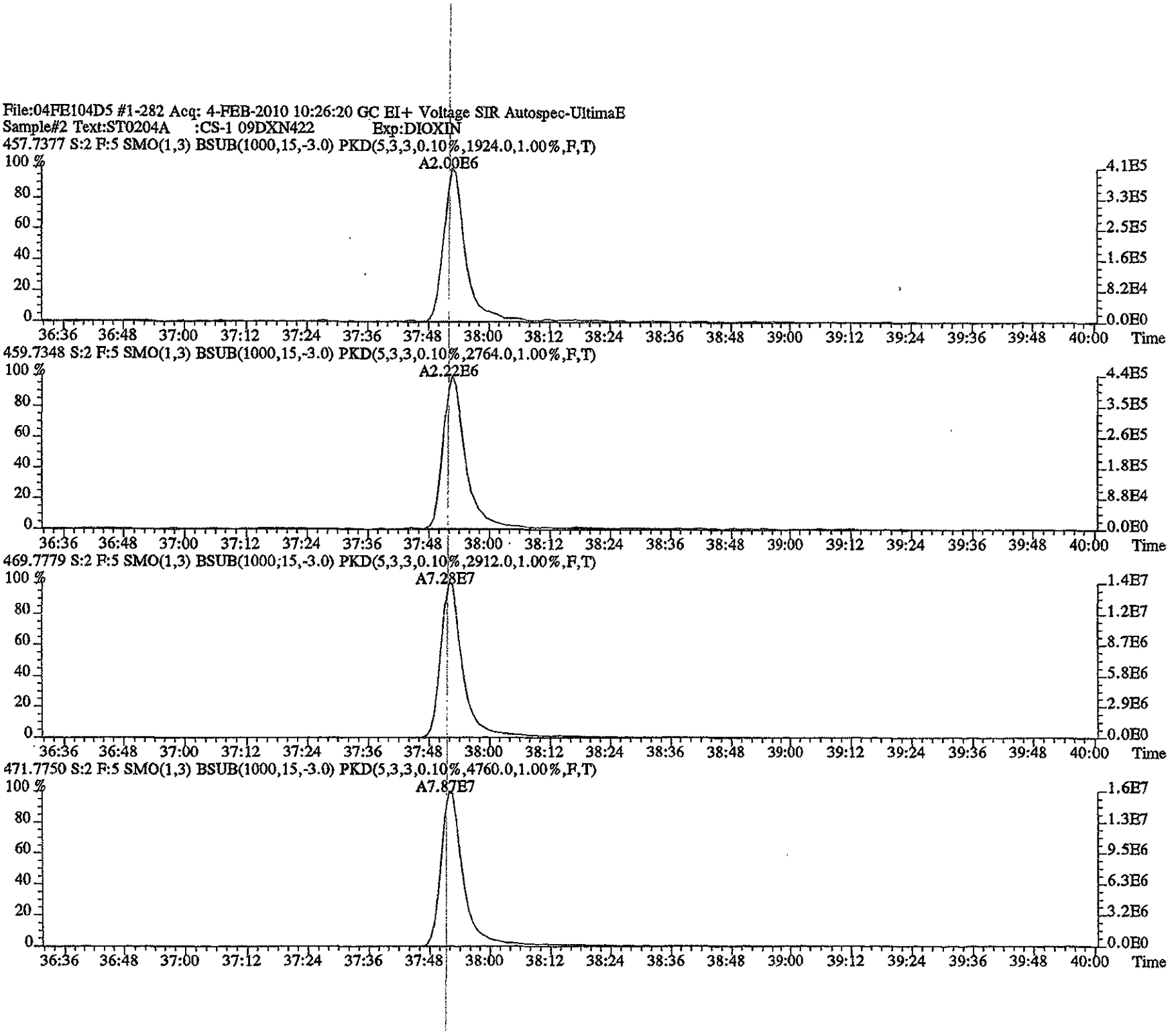


File:04FB104D5 #1-197 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

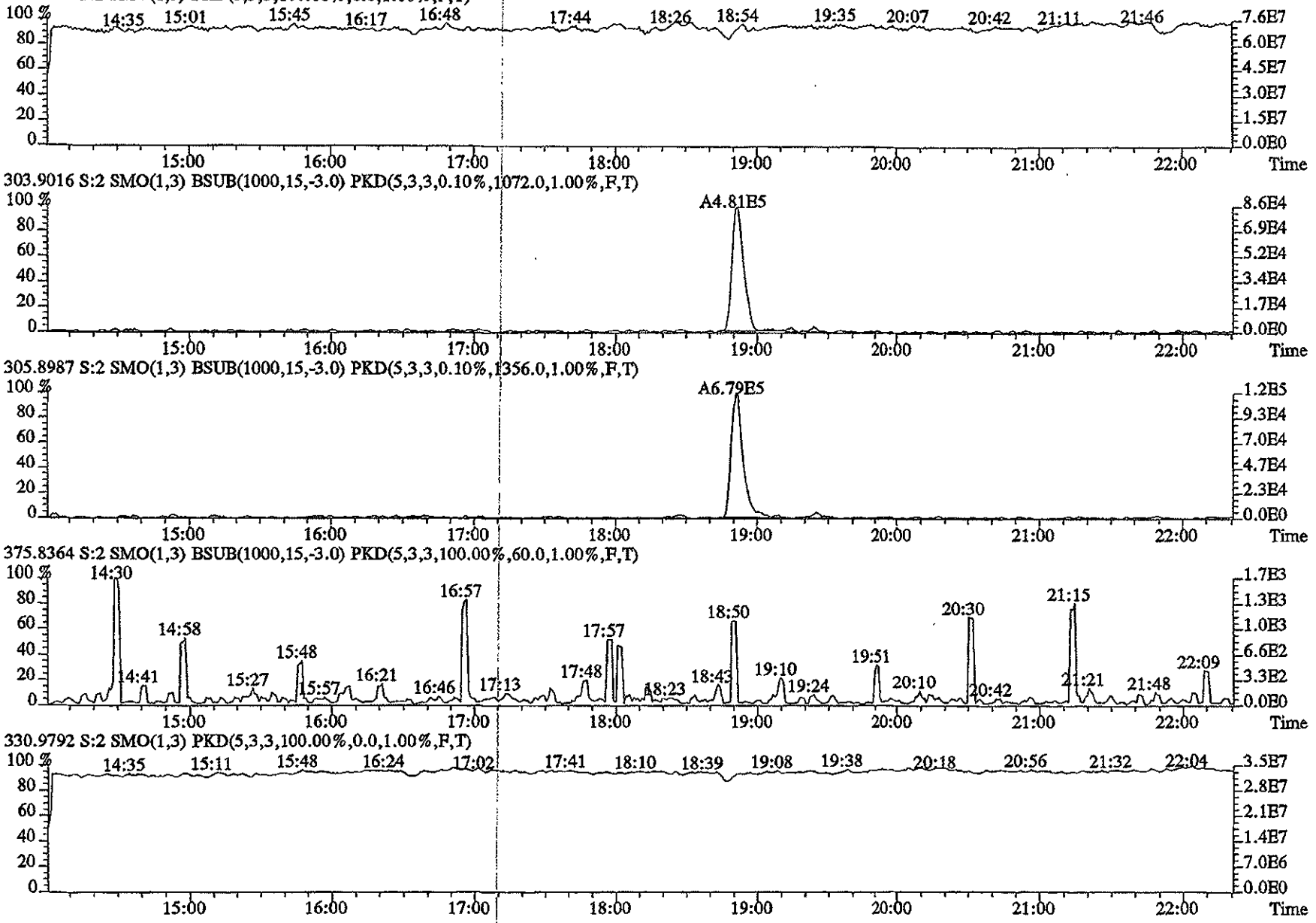


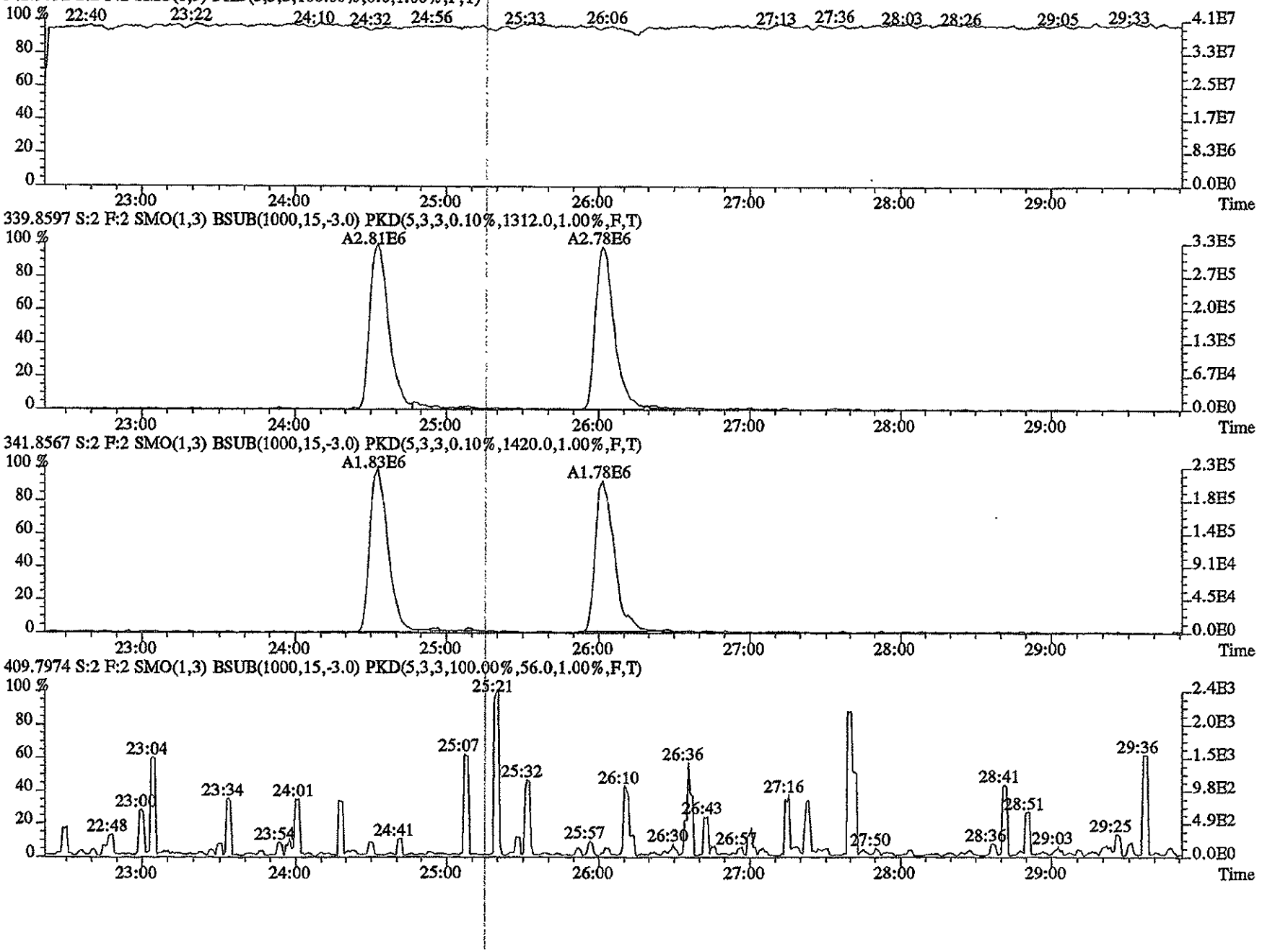




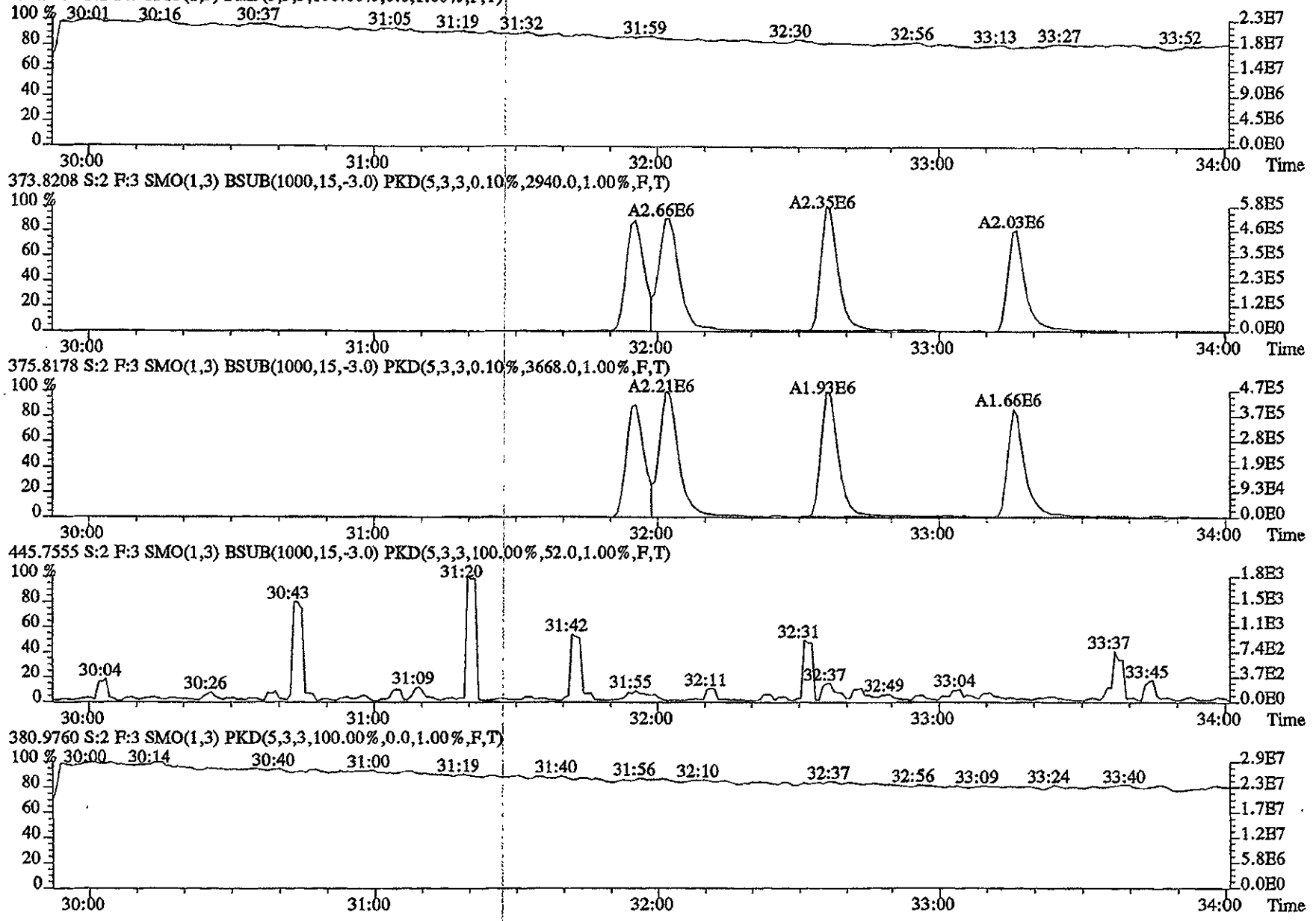


File:04FE104D5 #1-578 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

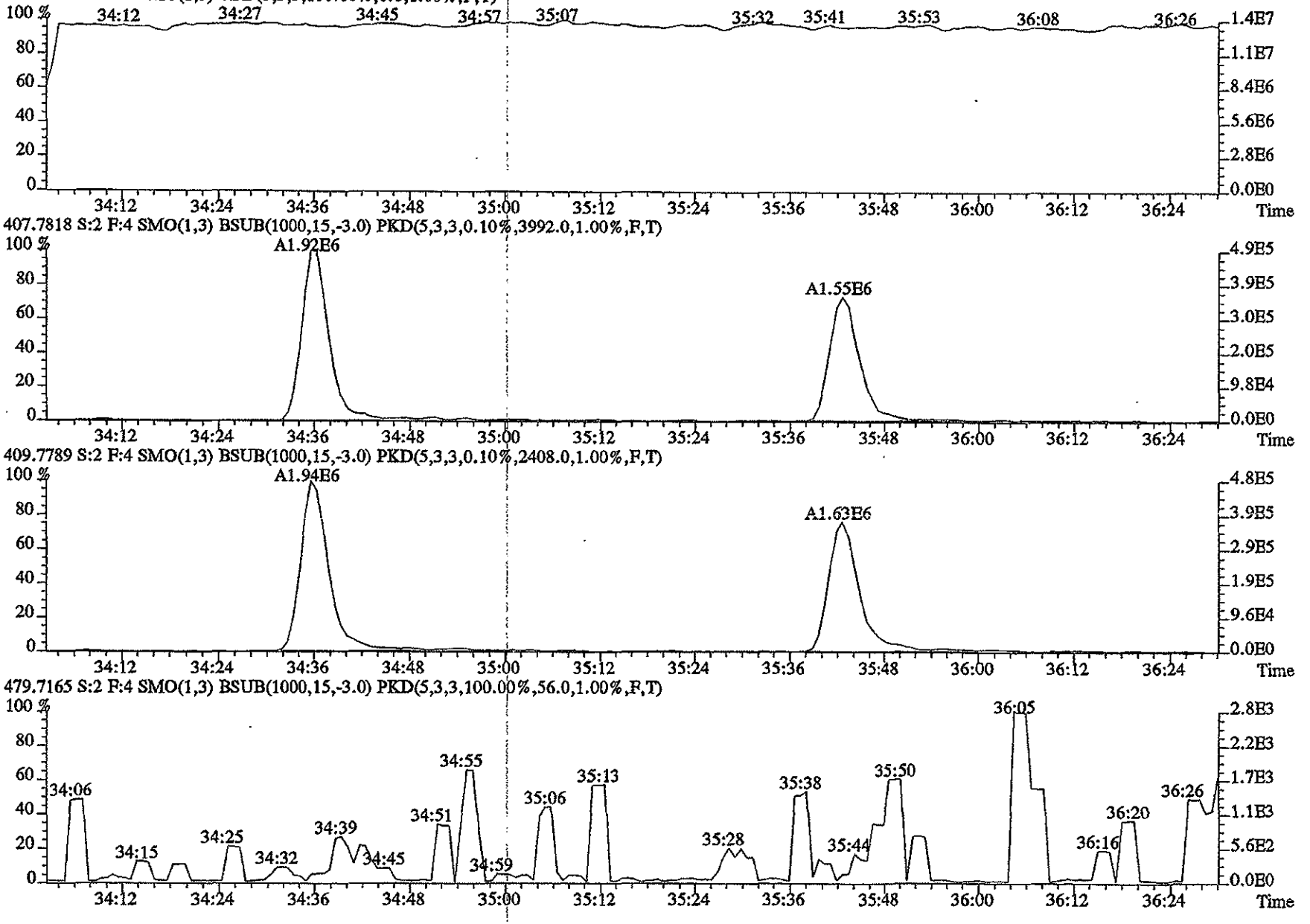


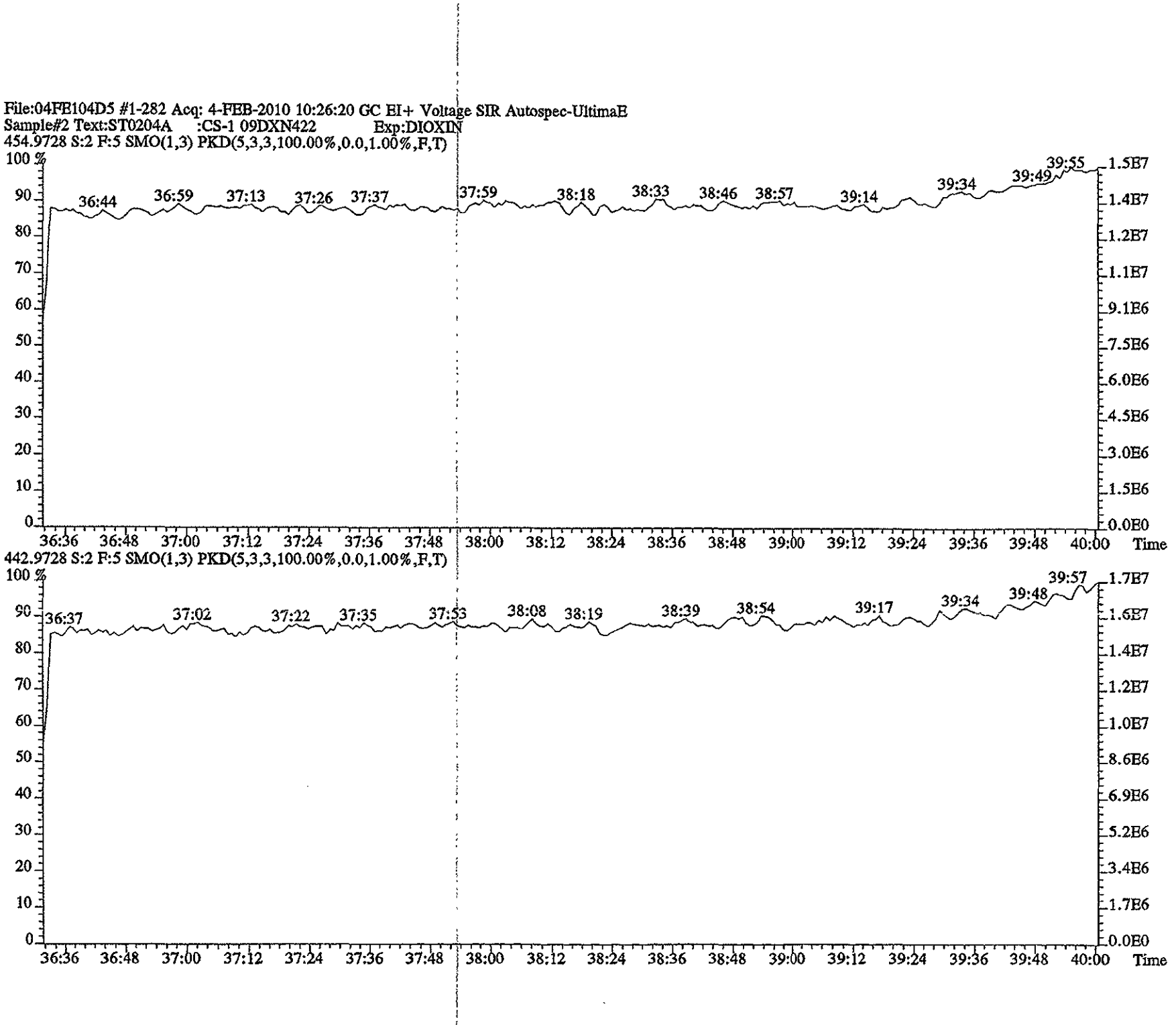


File:04FE104D5 #1-314 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

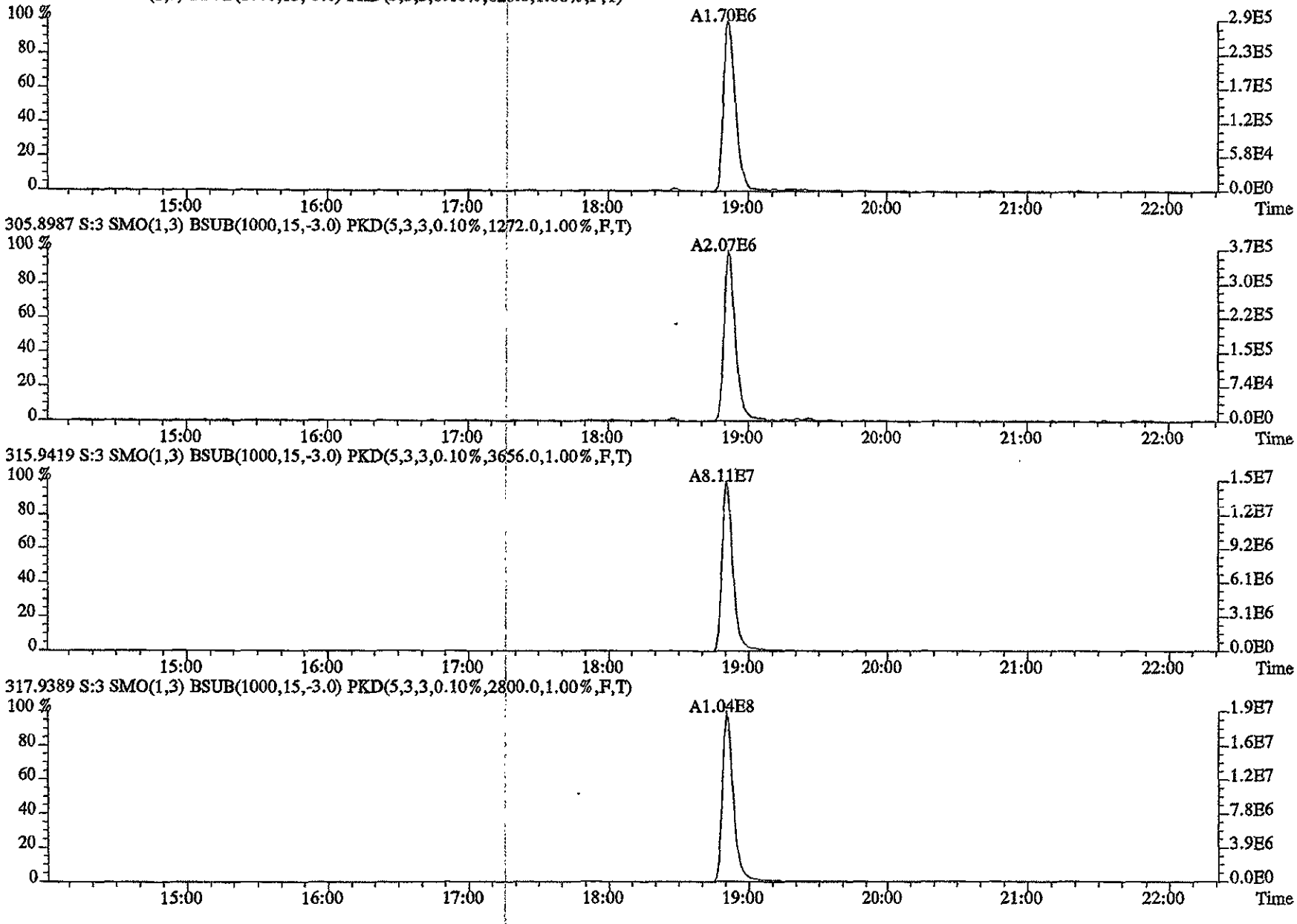


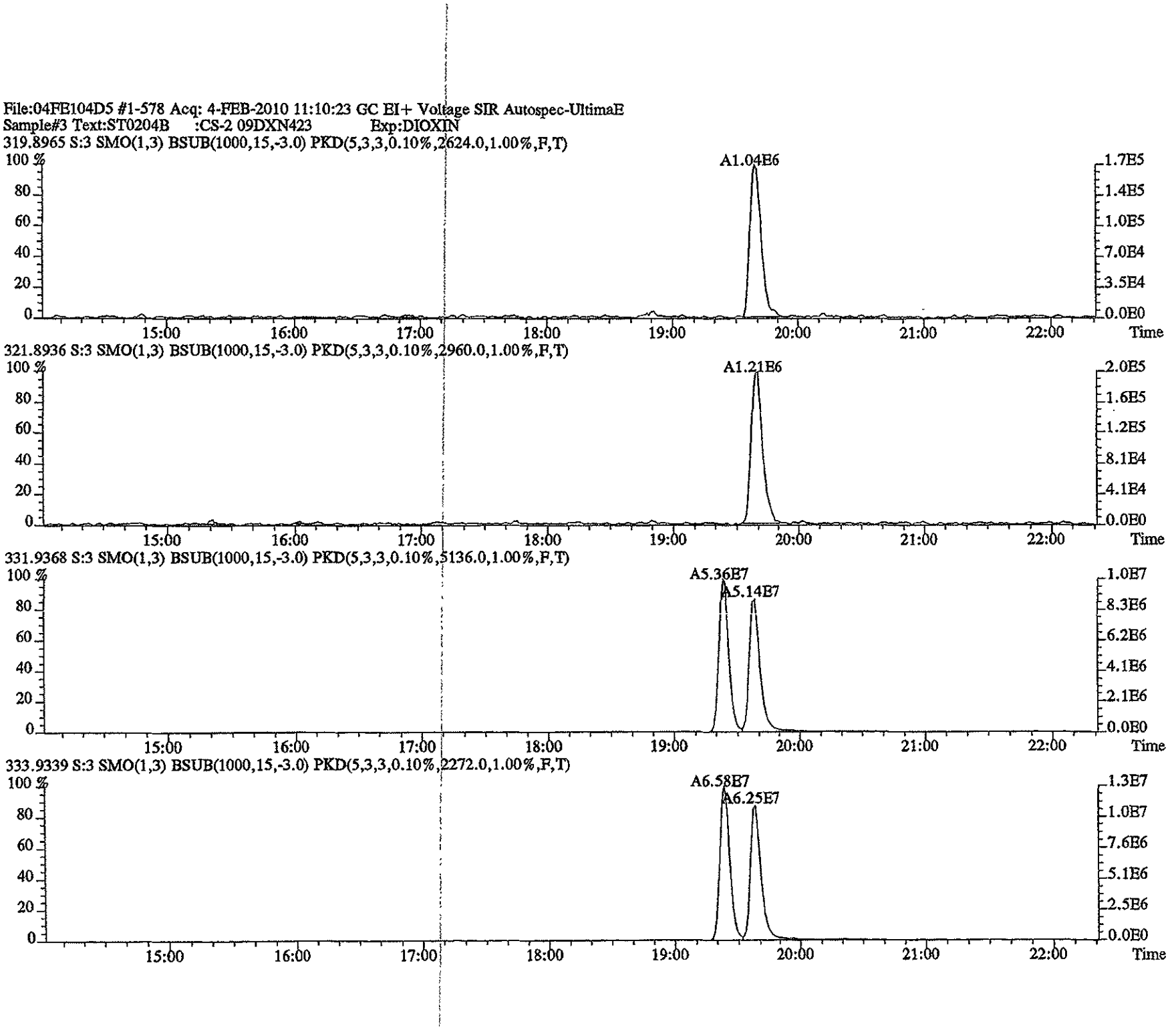
File:04FE104D5 #1-197 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN

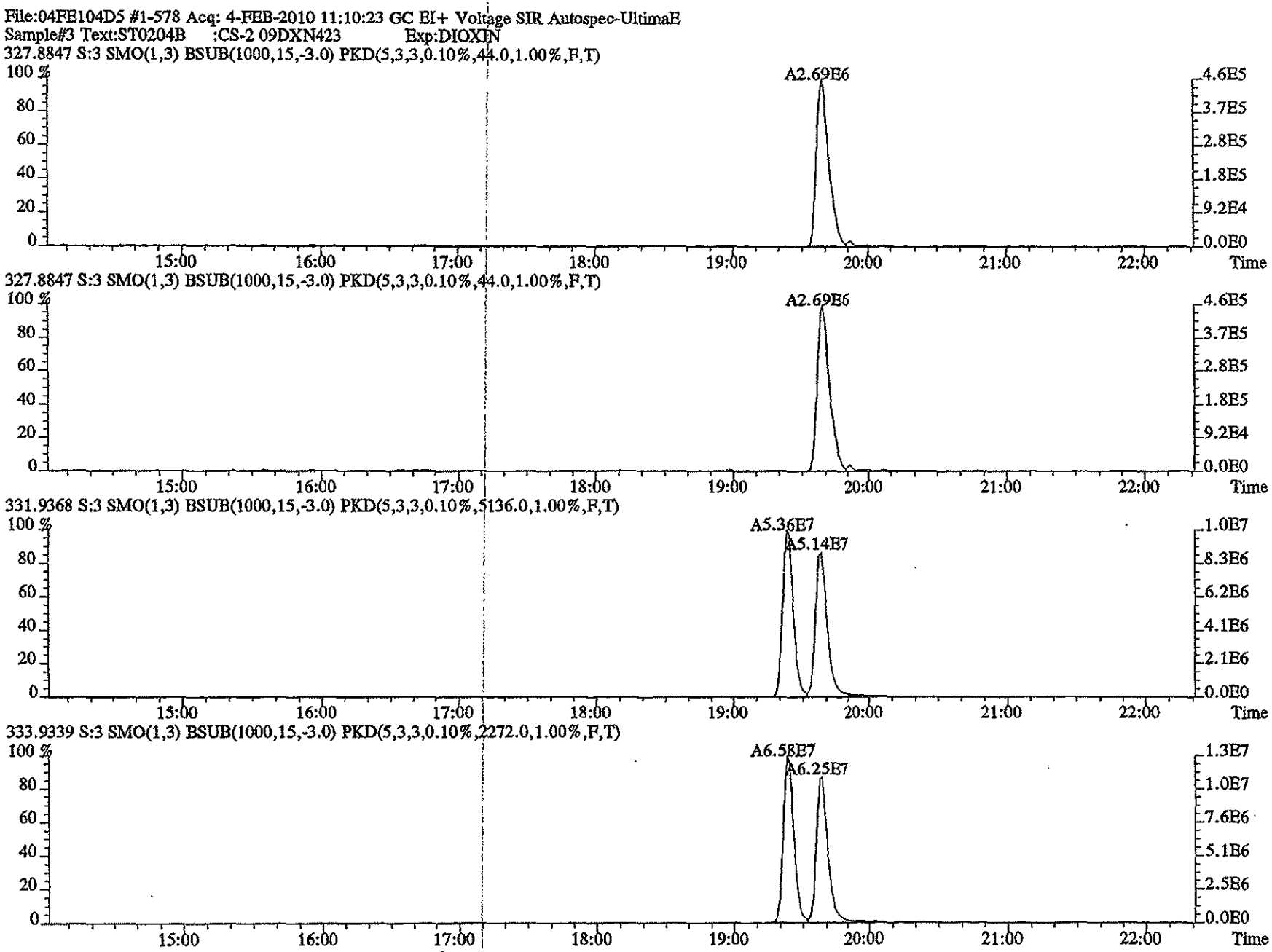


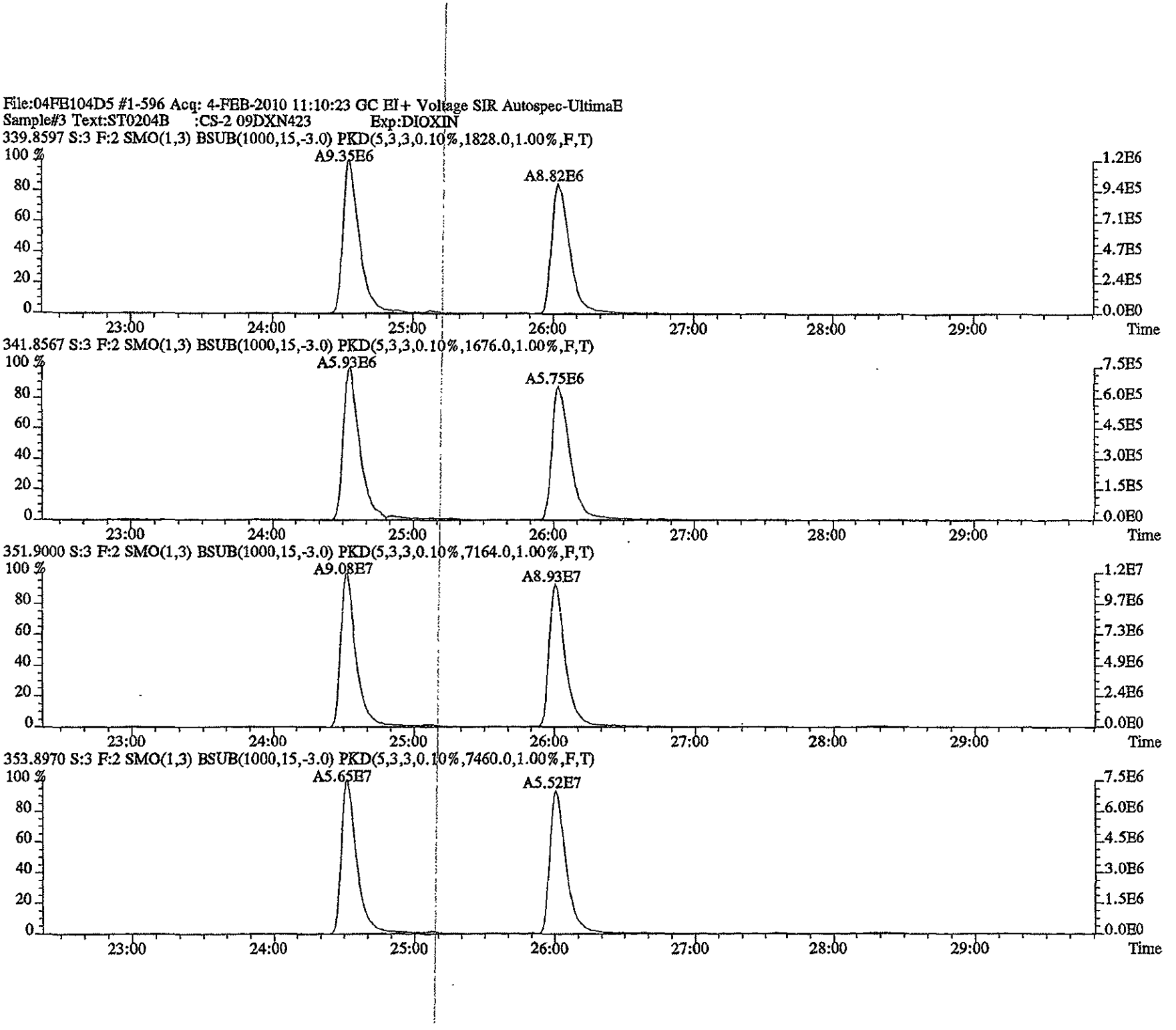

File:04FE104D5 #1-282 Acq: 4-FEB-2010 10:26:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0204A :CS-1 09DXN422 Exp:DIOXIN
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
36:44
36:59
37:13
37:26
37:37
37:59
38:18
38:33
38:46
38:57
39:14
39:34
39:49
39:55
1.5E7
1.4E7
1.2E7
1.1E7
9.1E6
7.5E6
6.0E6
4.5E6
3.0E6
1.5E6
0.0E0
36:36
36:48
37:00
37:12
37:24
37:36
37:48
38:00
38:12
38:24
38:36
38:48
39:00
39:12
39:24
39:36
39:48
40:00
Time
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
36:37
37:02
37:22
37:35
37:53
38:08
38:19
38:39
38:54
39:17
39:34
39:48
39:57
1.7E7
1.6E7
1.4E7
1.2E7
1.0E7
8.6E6
6.9E6
5.2E6
3.4E6
1.7E6
0.0E0
36:36
36:48
37:00
37:12
37:24
37:36
37:48
38:00
38:12
38:24
38:36
38:48
39:00
39:12
39:24
39:36
39:48
40:00
Time

File:04FE104D5 #1-578 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN

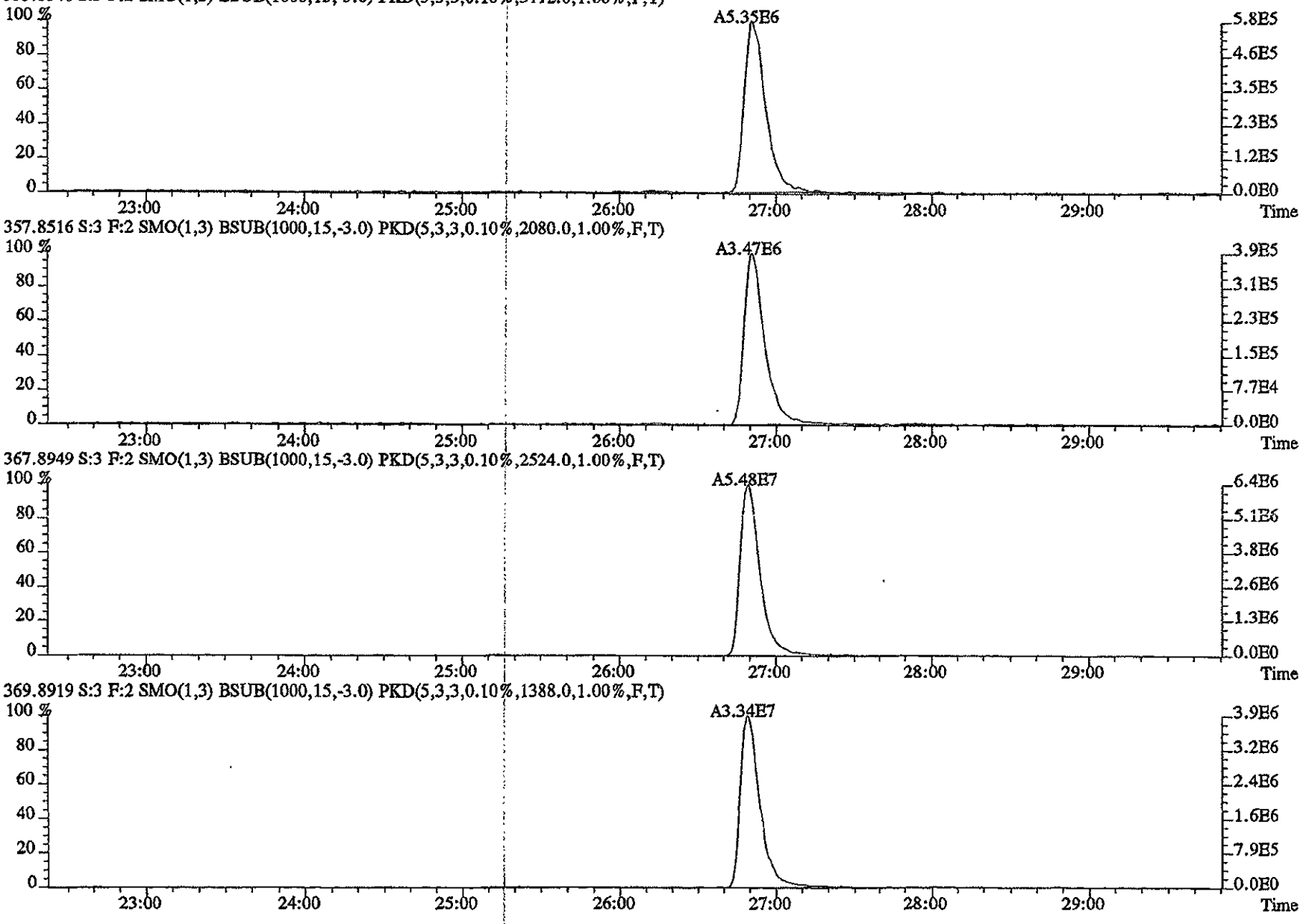




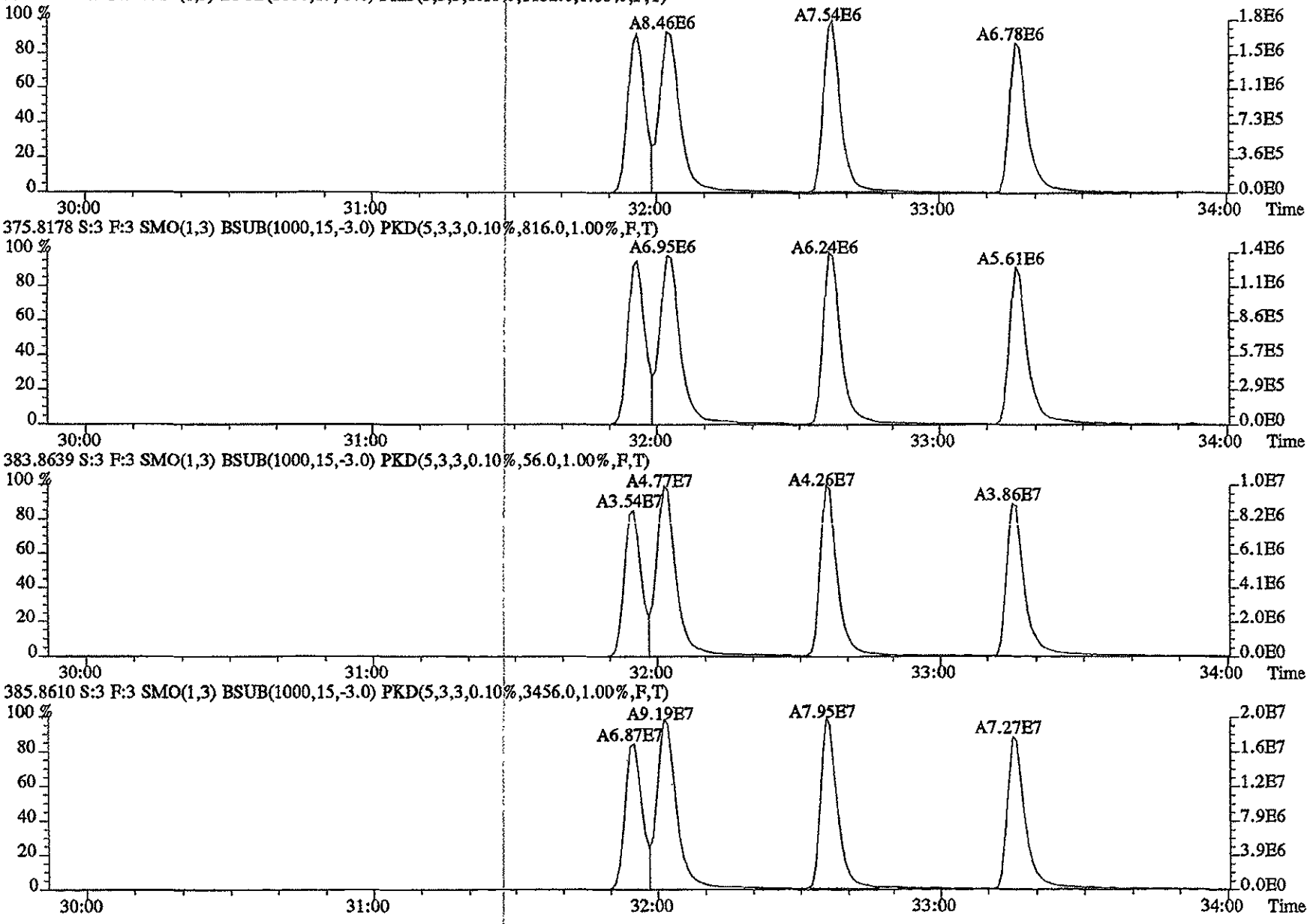


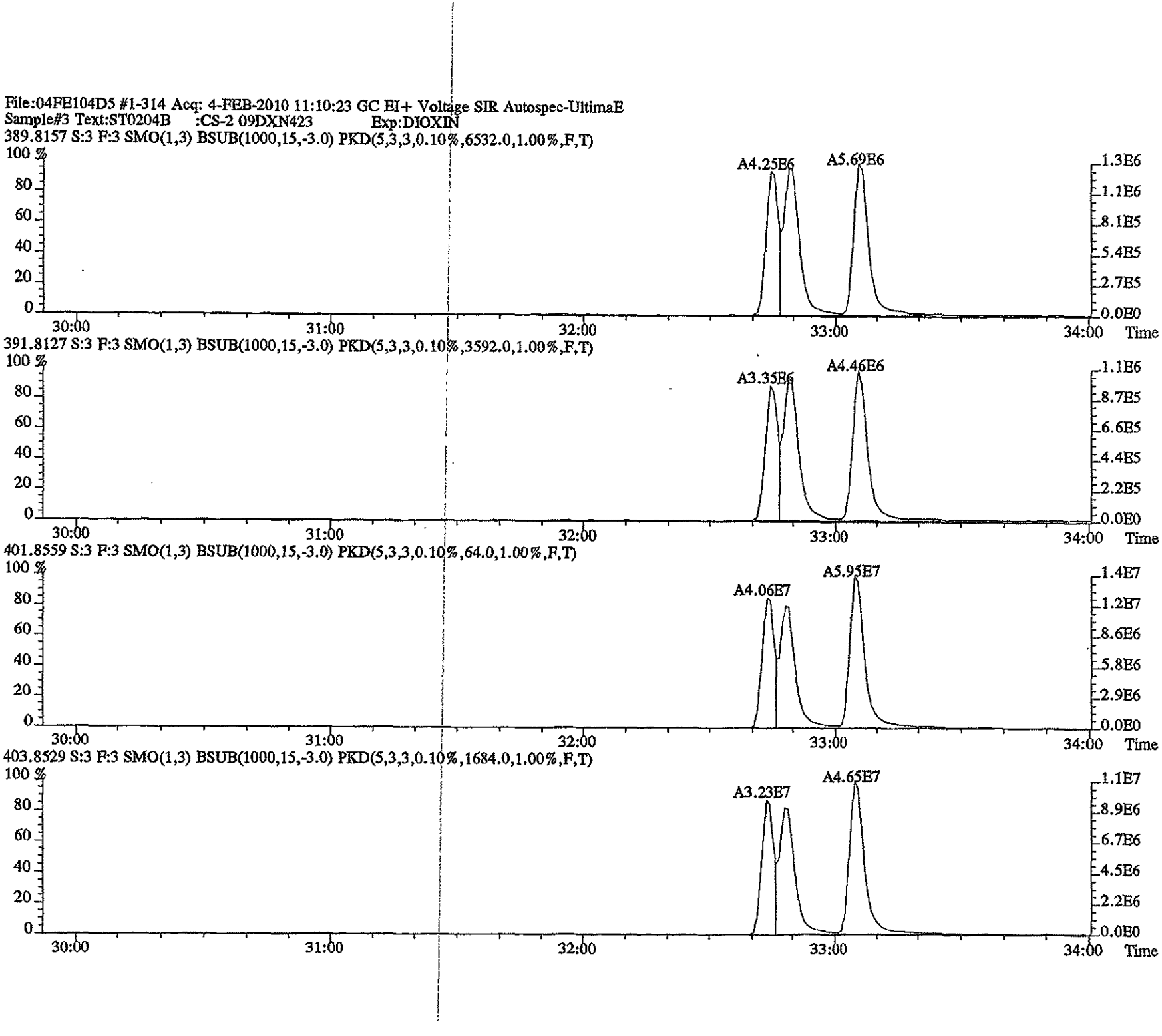

File:04FB104D5 #1-596 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1828.0,1.00%,F,T)
A9.35E6
A8.82E6
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1676.0,1.00%,F,T)
A5.93E6
A5.75E6
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7164.0,1.00%,F,T)
A9.08E7
A8.93E7
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7460.0,1.00%,F,T)
A5.65E7
A5.52E7
100 %
80
60
40
20
0
23:00
24:00
25:00
26:00
27:00
28:00
29:00
Time
1.2E6
9.4E5
7.1E5
4.7E5
2.4E5
0.0E0
7.5E5
6.0E5
4.5E5
3.0E5
1.5E5
0.0E0
1.2E7
9.7E6
7.3E6
4.9E6
2.4E6
0.0E0
7.5E6
6.0E6
4.5E6
3.0E6
1.5E6
0.0E0

File:04FE104D5 #1-596 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN

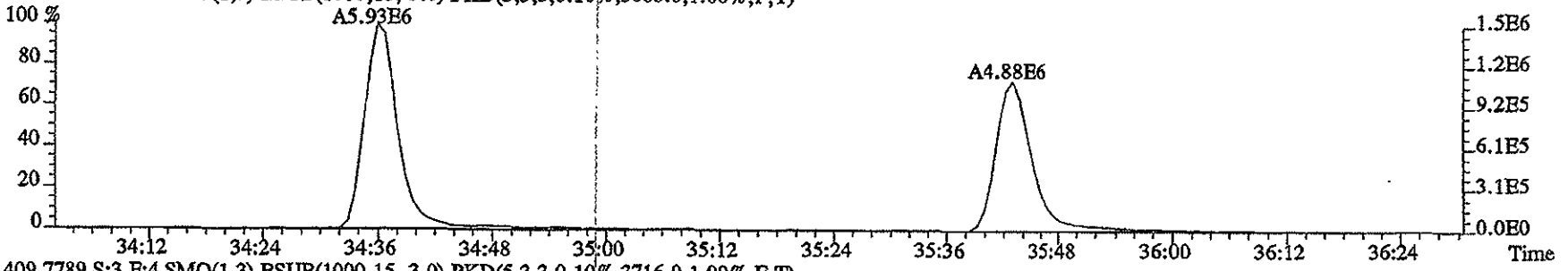


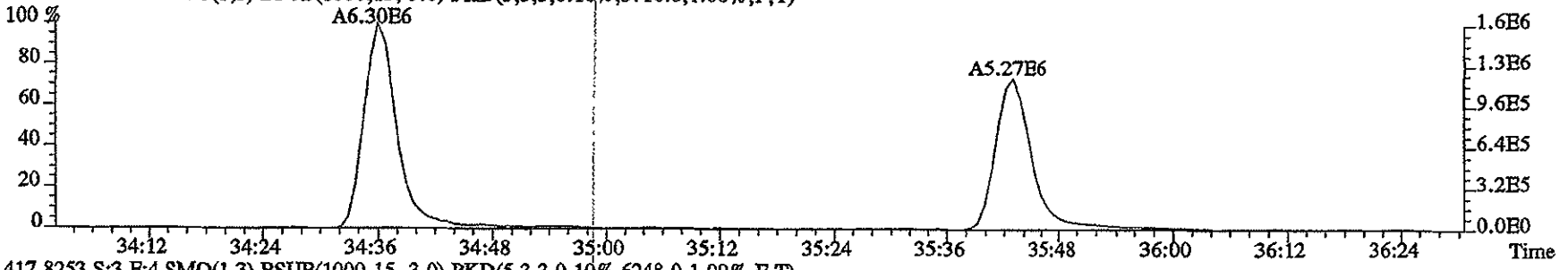
File:04FE104D5 #1-314 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN

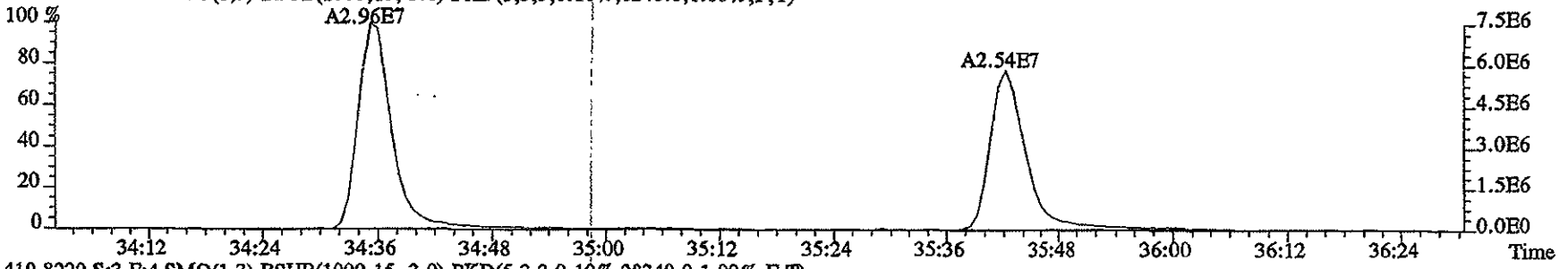


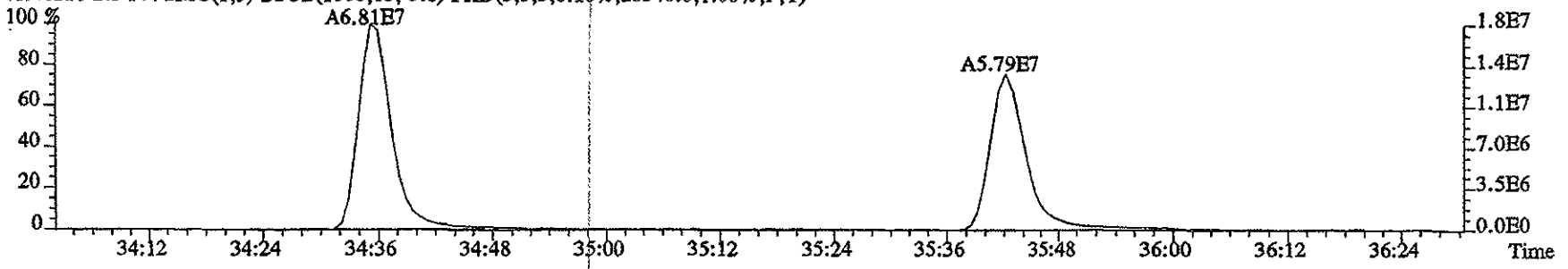


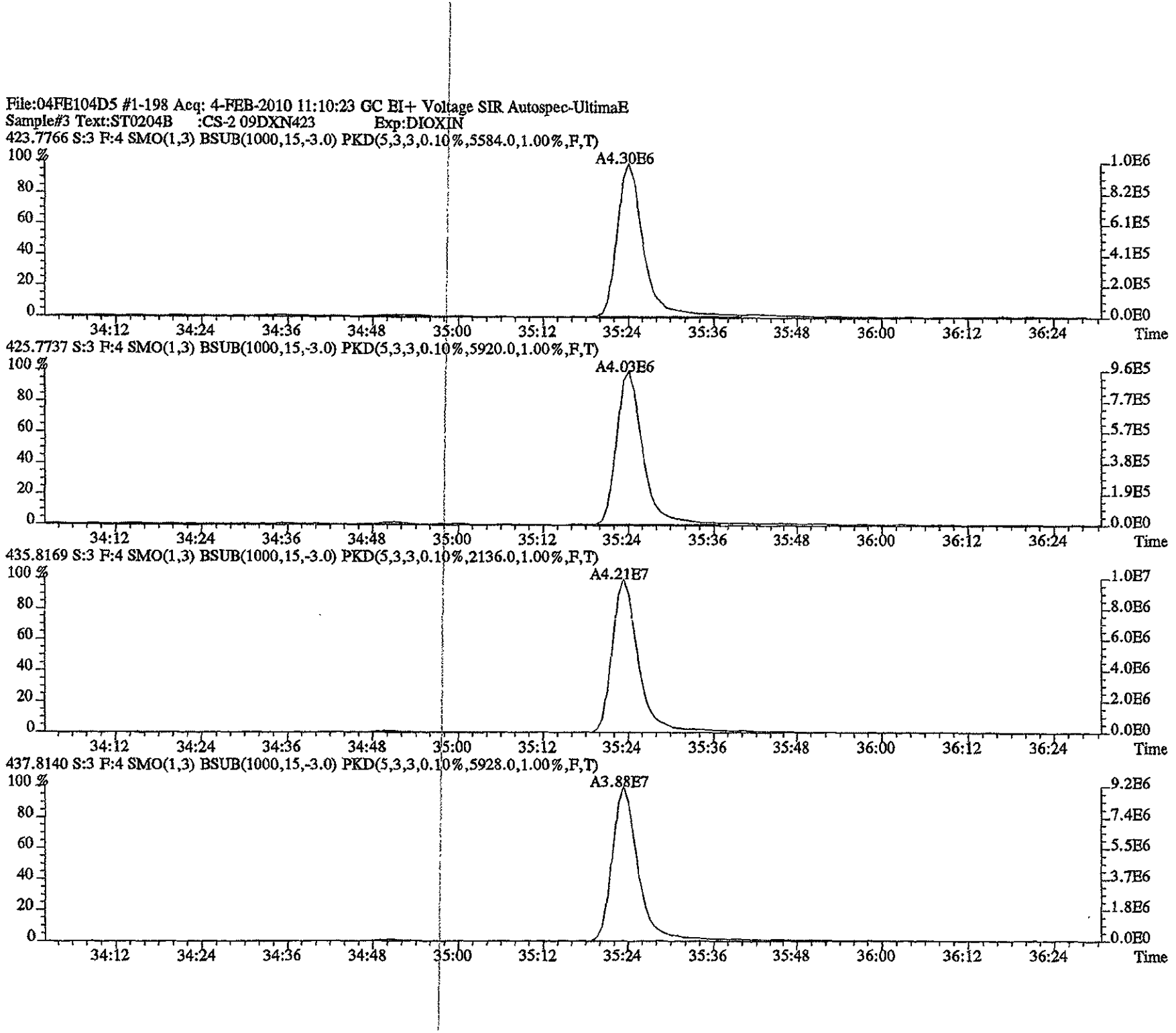
File:04FE104D5 #1-198 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text;ST0204B :CS-2 09DXN423 Exp:DIOXIN

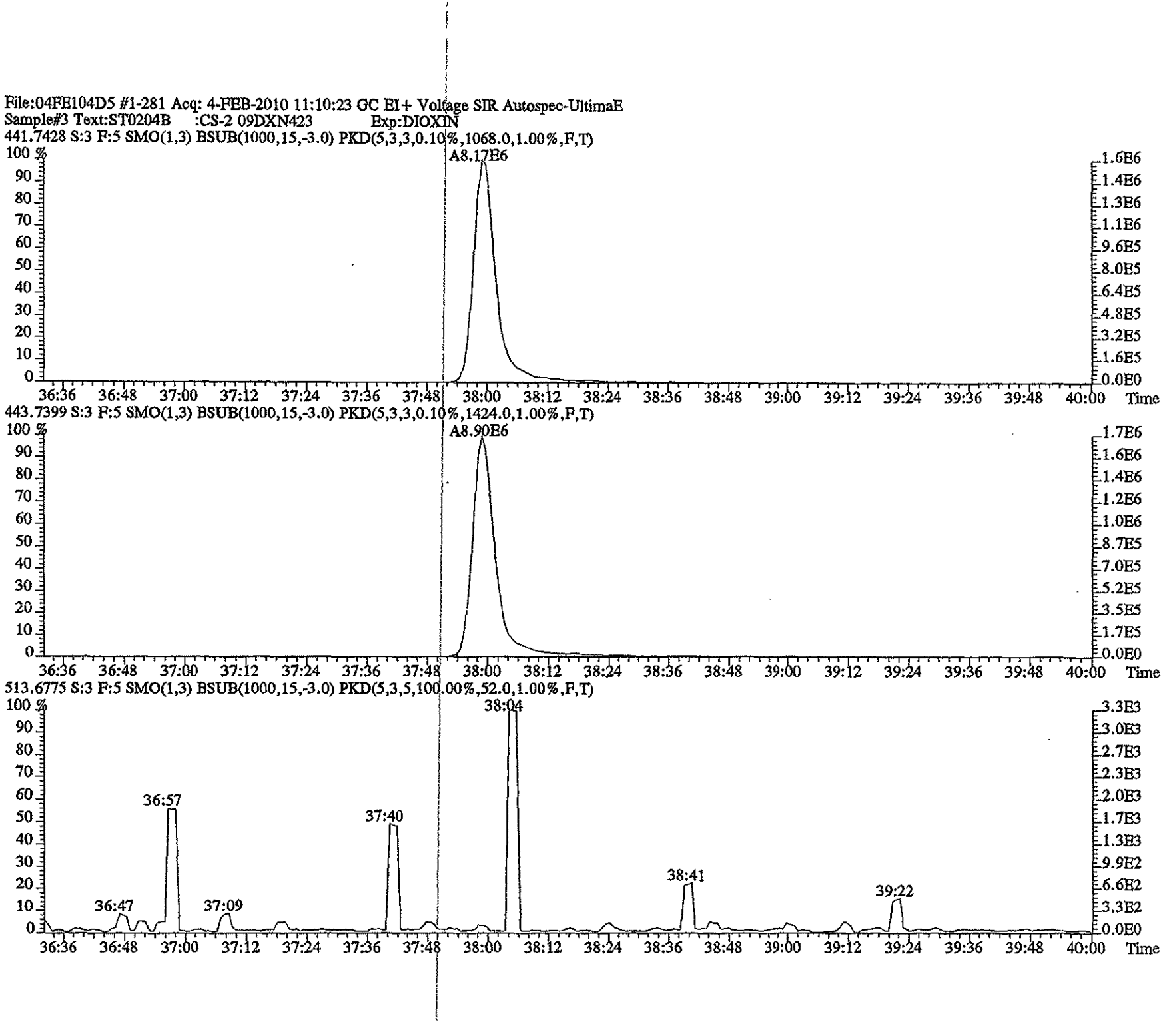




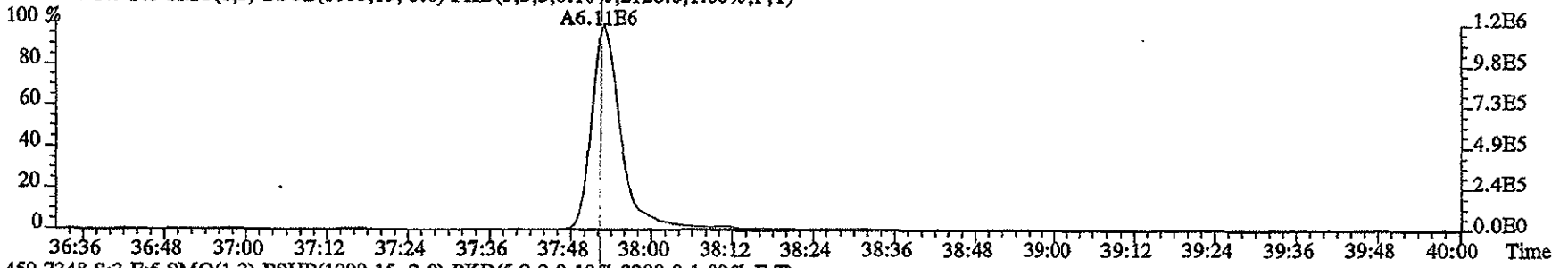




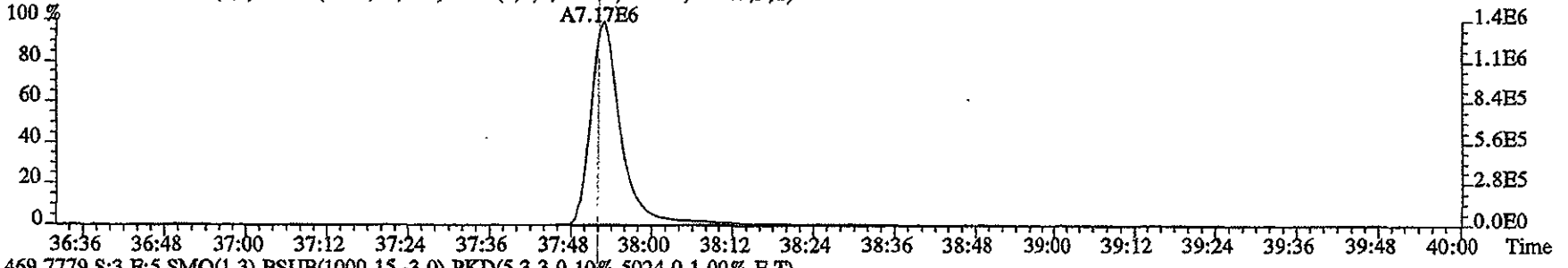

File:04FE104D5 #1-198 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5584.0,1.00%,F,T)
A4.30E6
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5920.0,1.00%,F,T)
A4.03E6
435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2136.0,1.00%,F,T)
A4.21E7
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5928.0,1.00%,F,T)
A3.88E7
100 %
80
60
40
20
0
34:12
34:24
34:36
34:48
35:00
35:12
35:24
35:36
35:48
36:00
36:12
36:24
Time
1.0E6
8.2E5
6.1E5
4.1E5
2.0E5
0.0E0
9.6E5
7.7E5
5.7E5
3.8E5
1.9E5
1.0E7
8.0E6
6.0E6
4.0E6
2.0E6
9.2E6
7.4E6
5.5E6
3.7E6
1.8E6



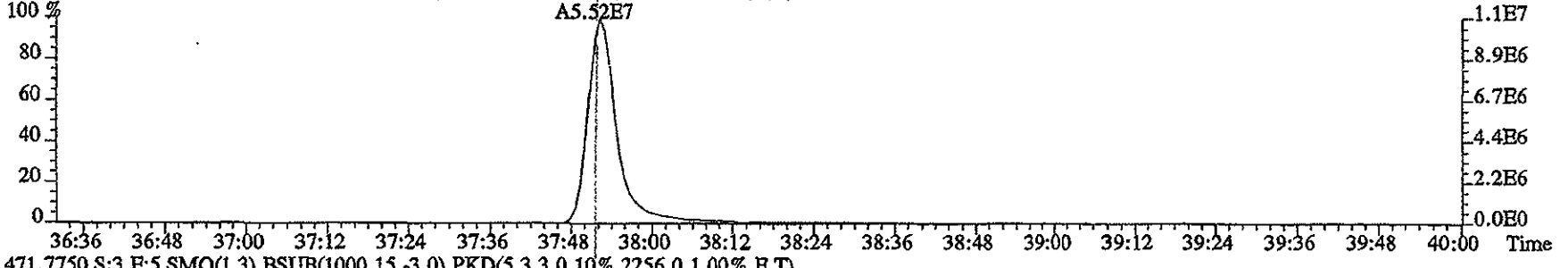
File:04FE104D5 #1-281 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2128.0,1.00%,F,T)



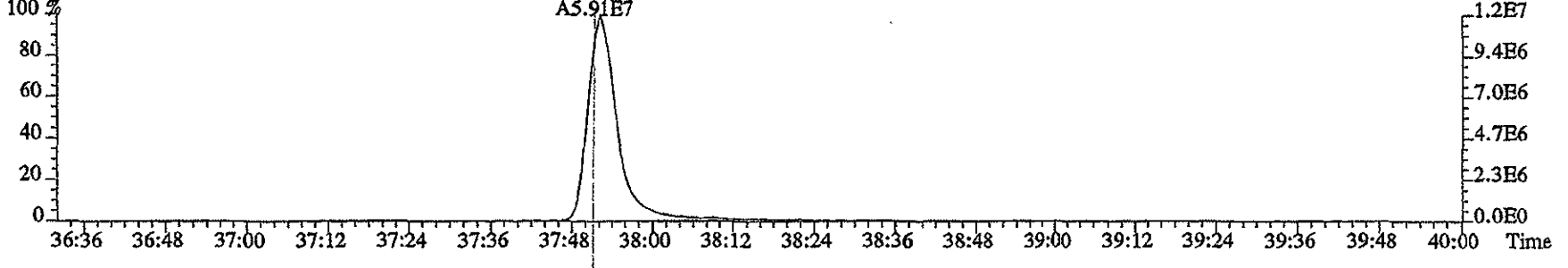
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2388.0,1.00%,F,T)

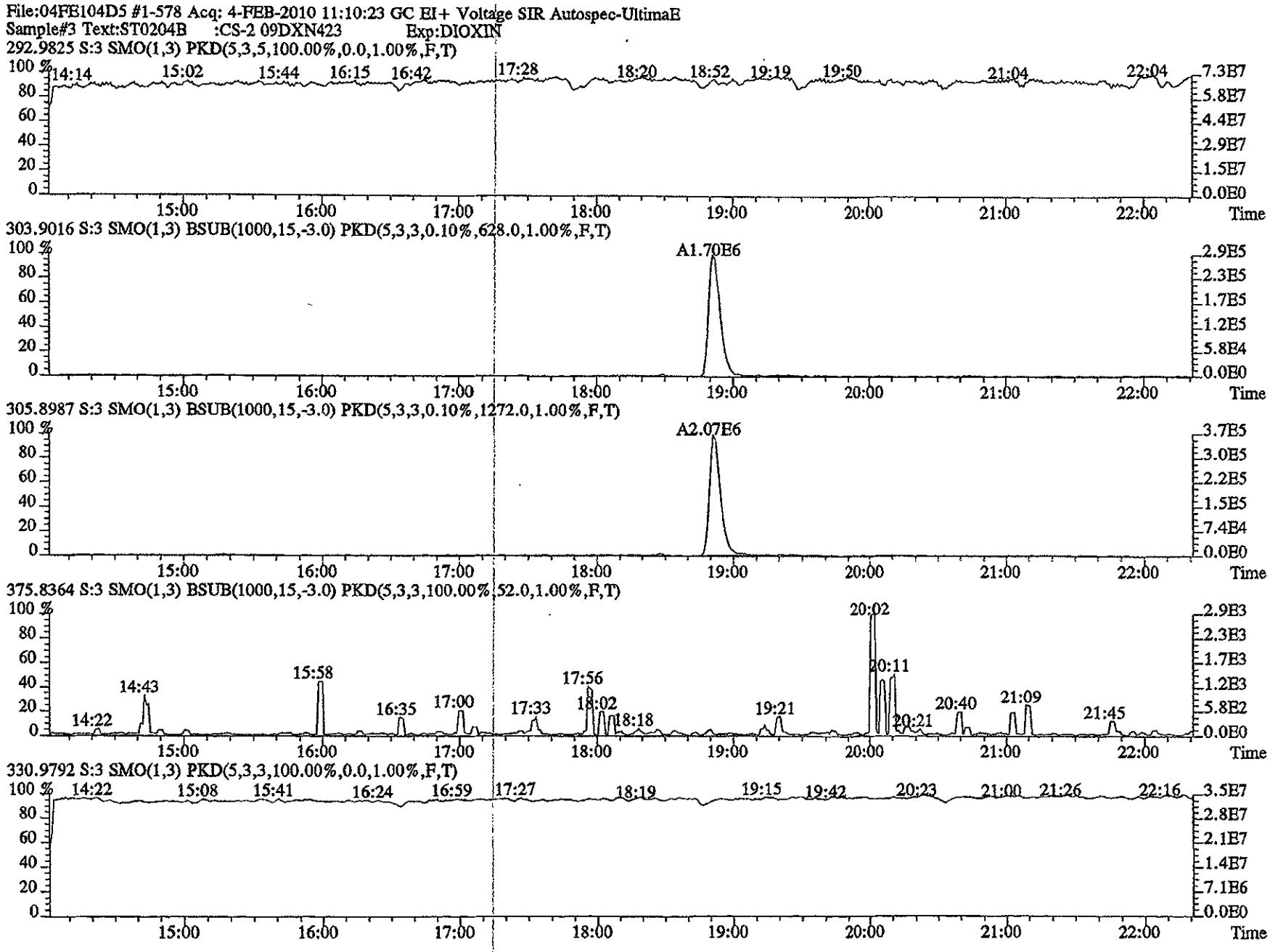


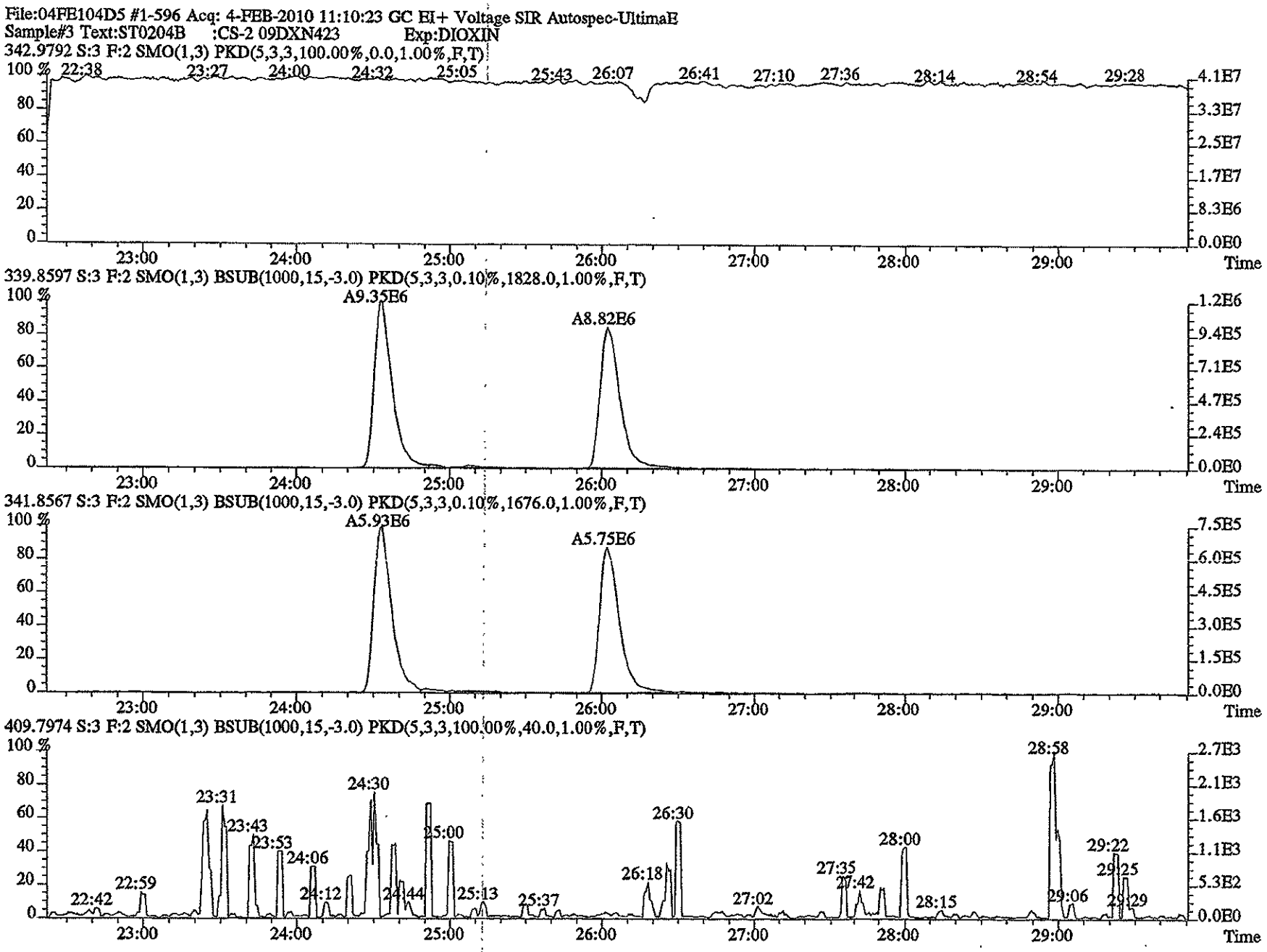
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5024.0,1.00%,F,T)



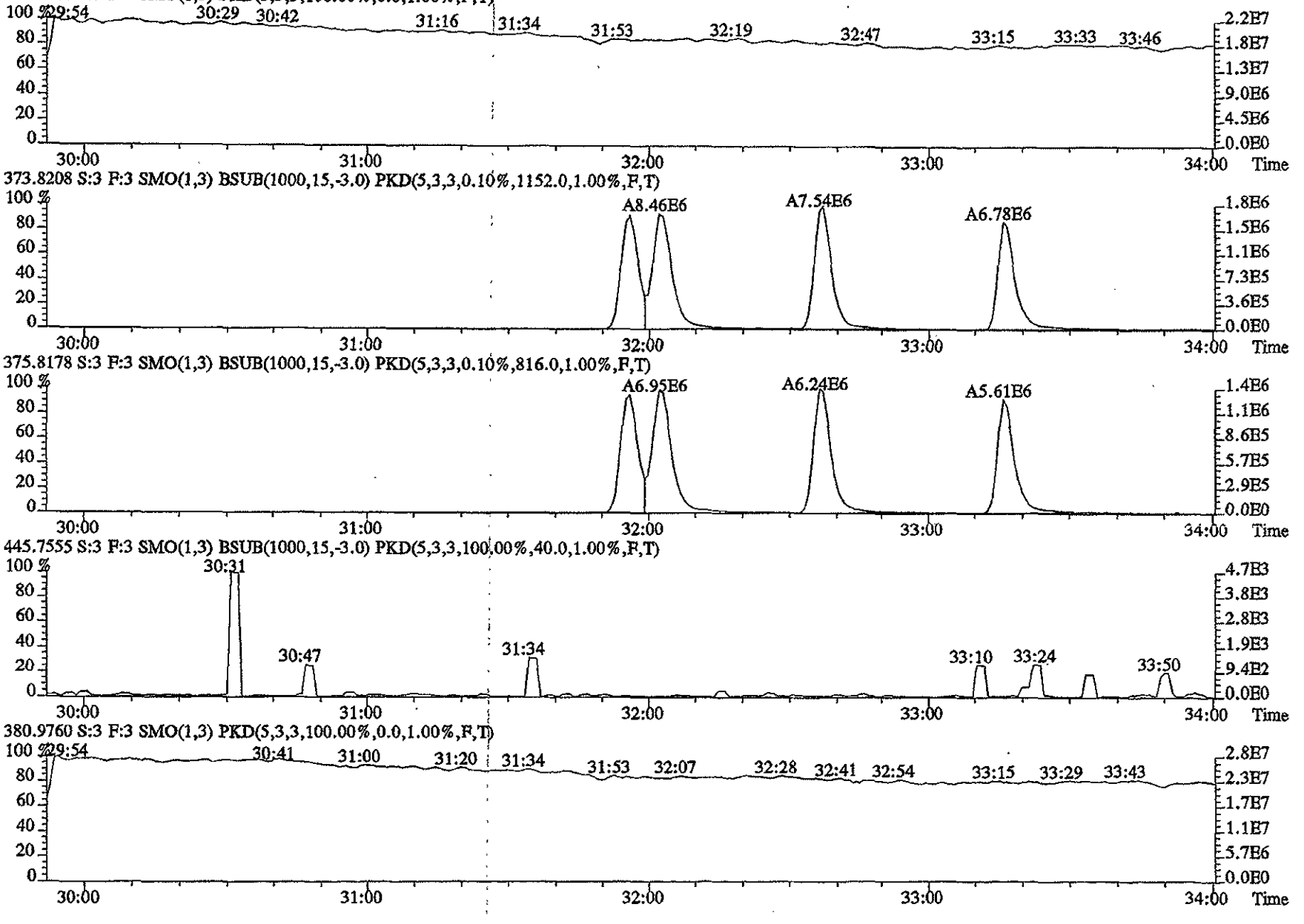
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2256.0,1.00%,F,T)

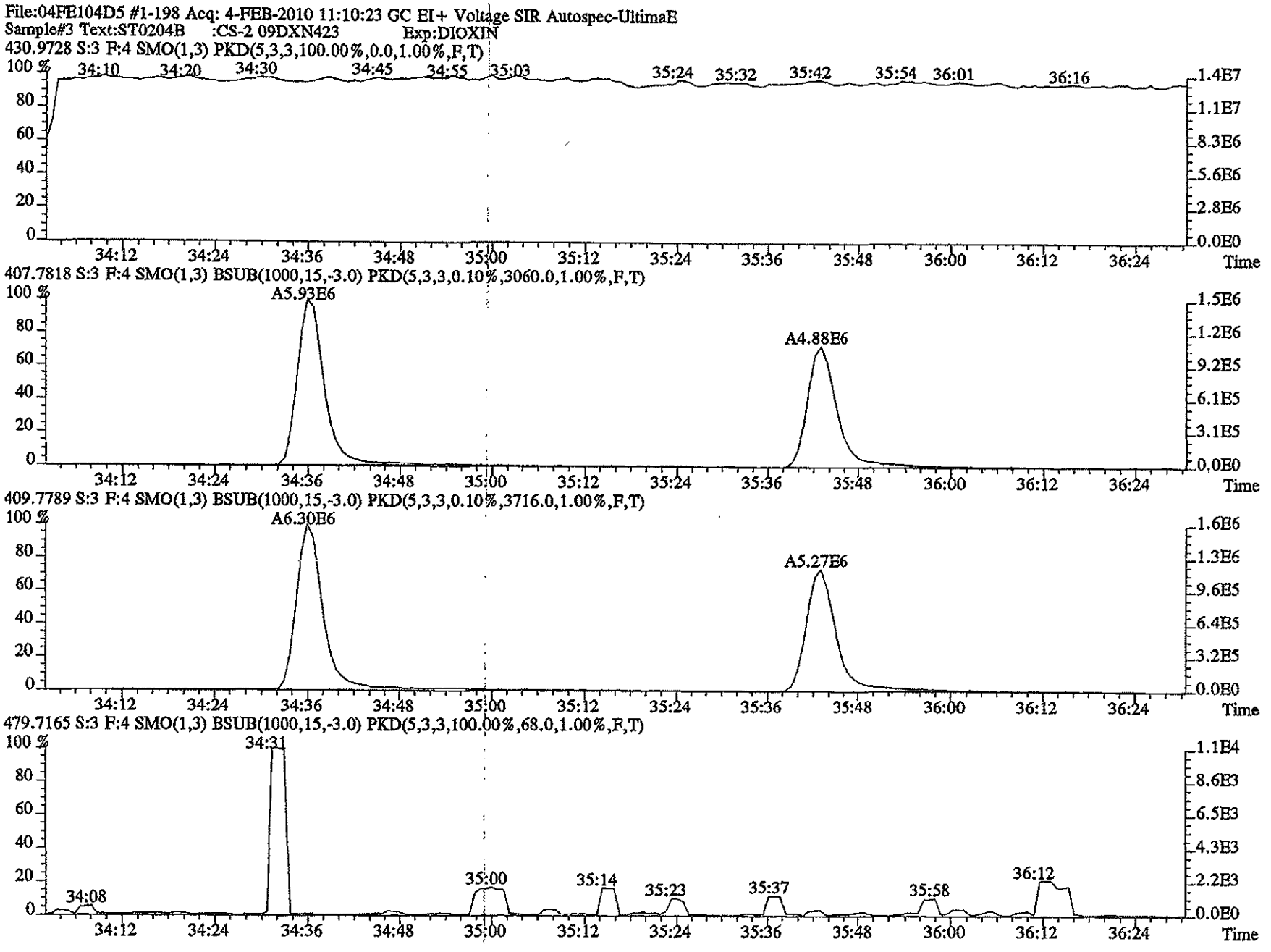



File:04FE104D5 #1-578 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN
292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628.0,1.00%,F,T)
A1.70E6
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)
A2.07E6
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,52.0,1.00%,F,T)
330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

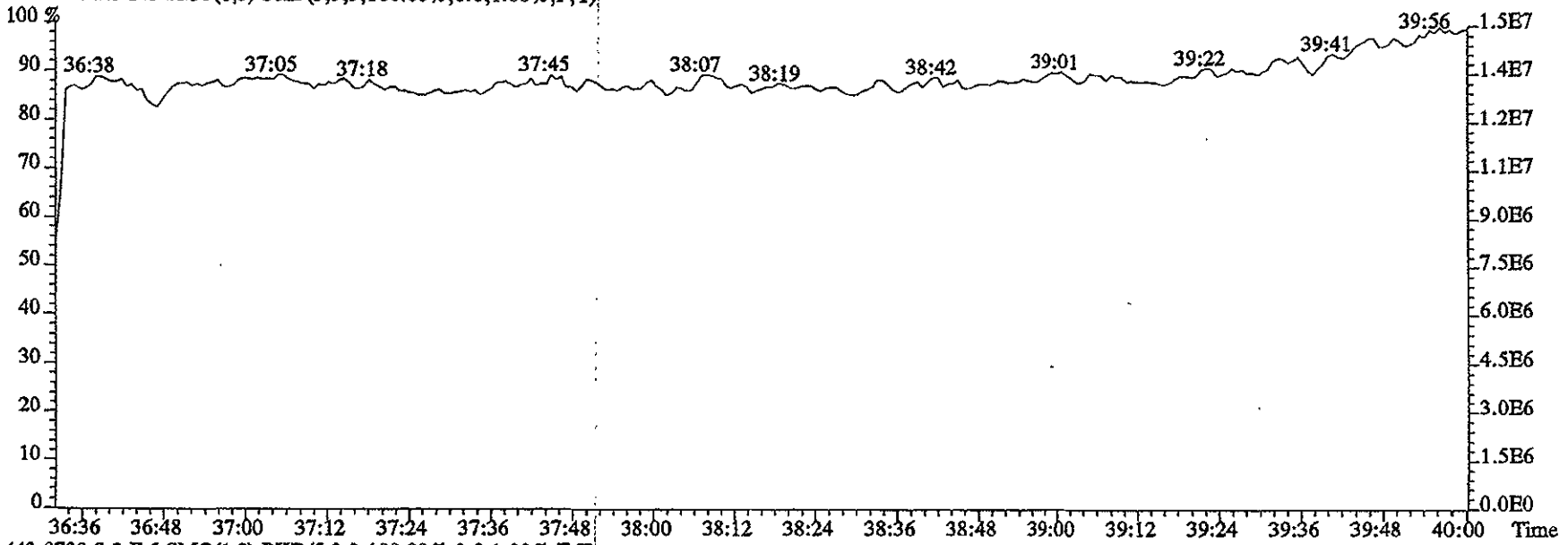


File:04FEB104D5 #1-314 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN

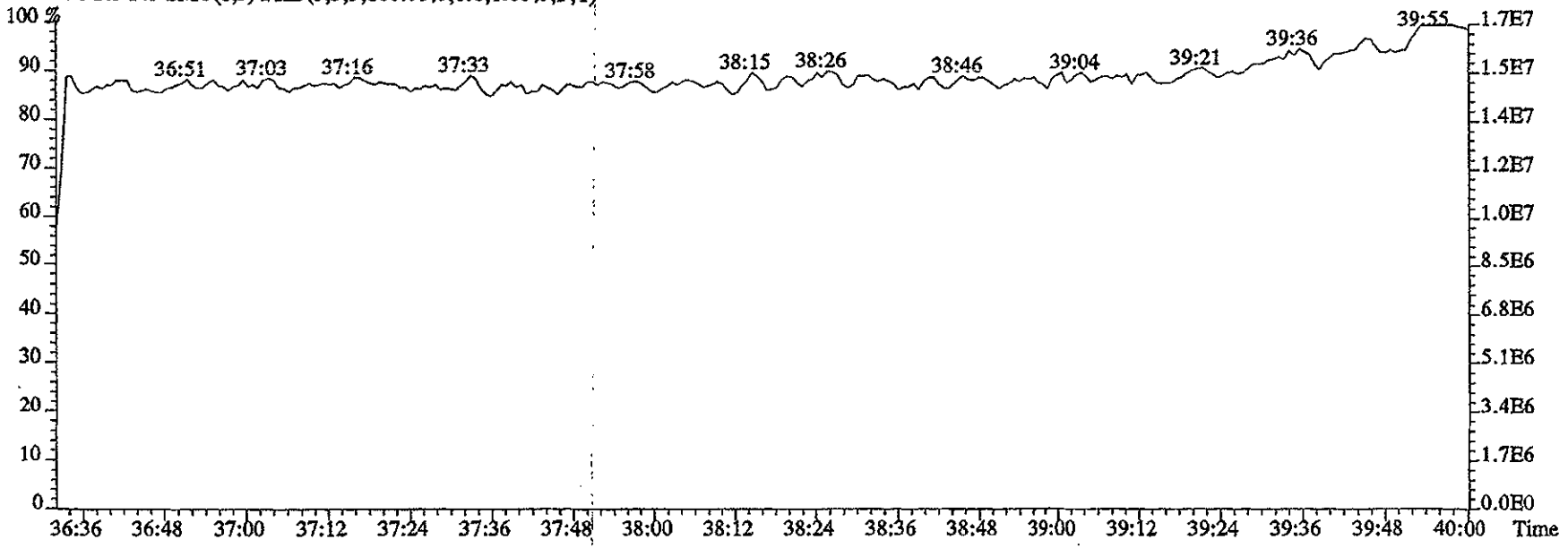




File:04FE104D5 #1-281 Acq: 4-FEB-2010 11:10:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0204B :CS-2 09DXN423 Exp:DIOXIN
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

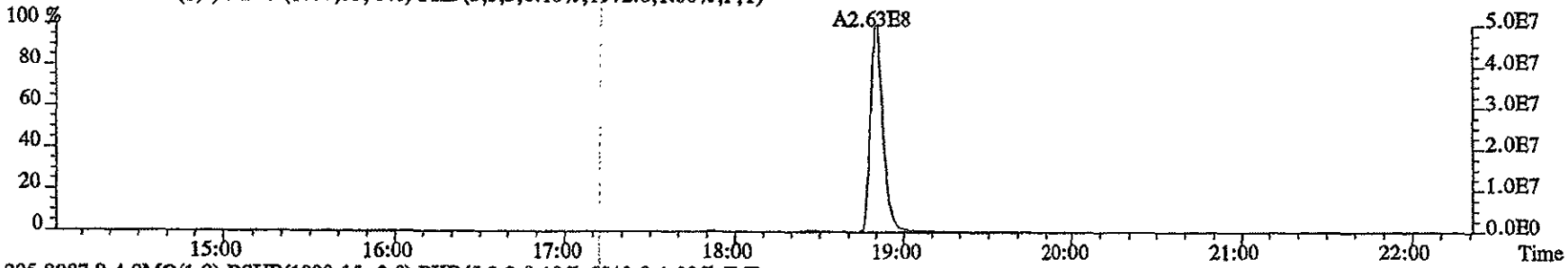


442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

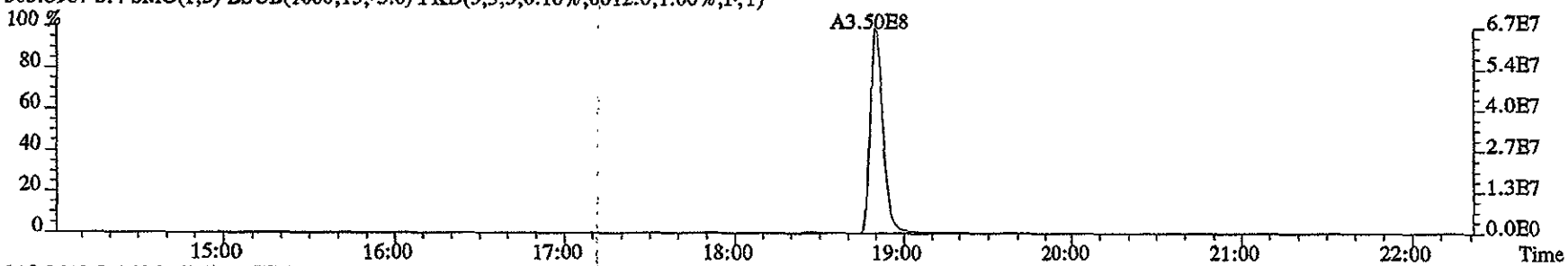


File:04FE104D5 #1-578 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN

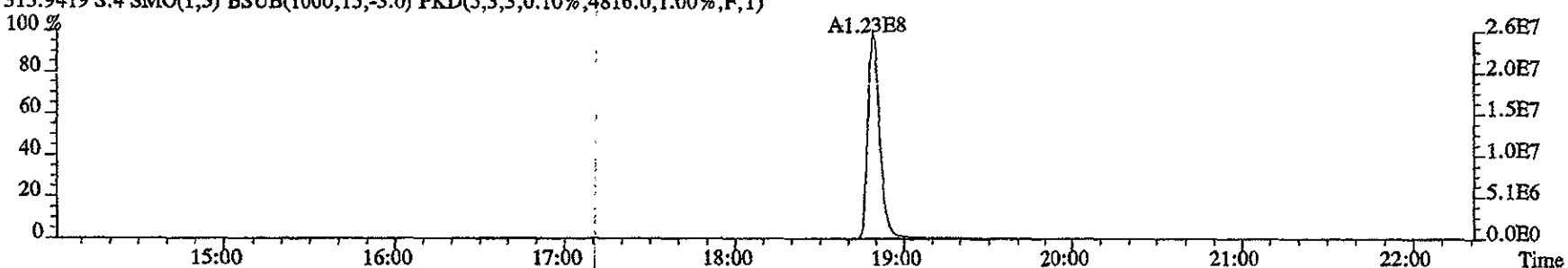
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1972.0,1.00%,F,T)



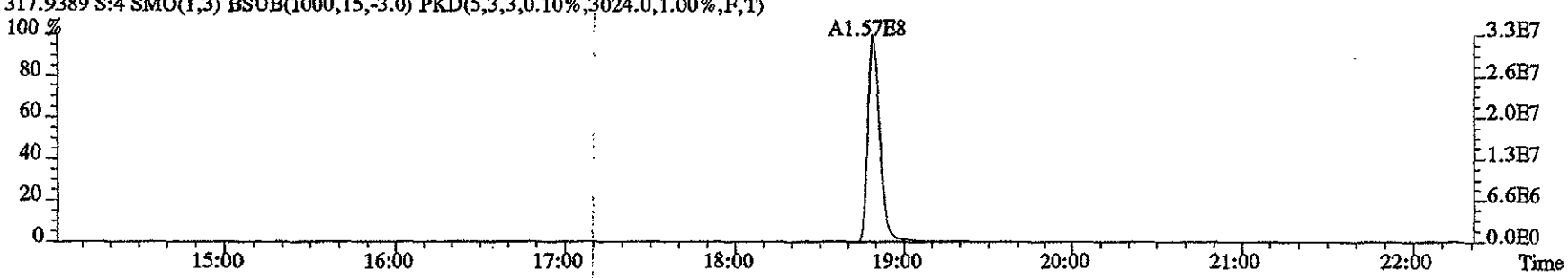
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6012.0,1.00%,F,T)



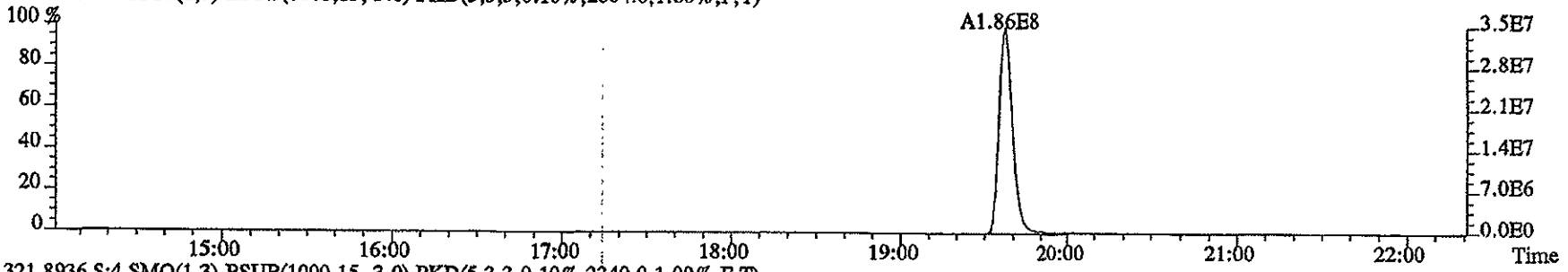
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816.0,1.00%,F,T)



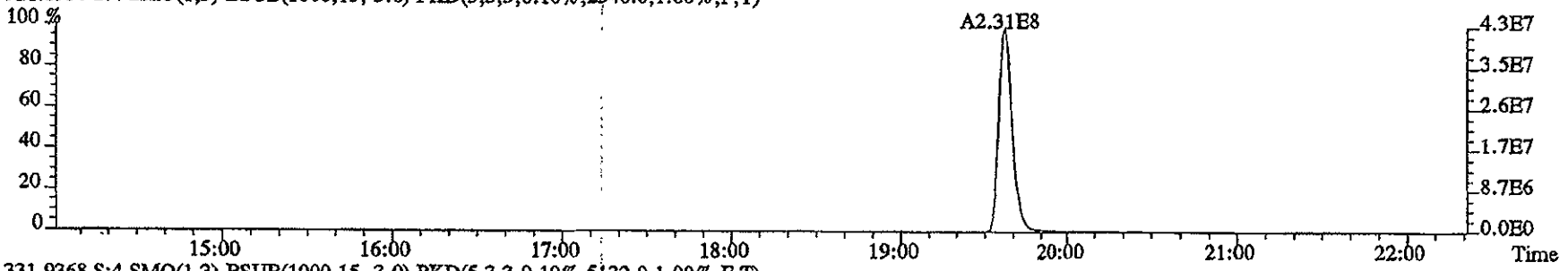
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3024.0,1.00%,F,T)



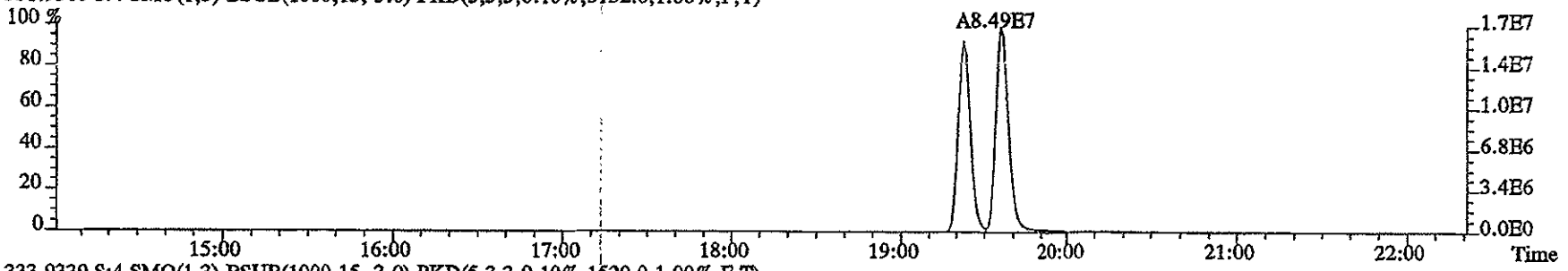
File:04FE104D5 #1-578 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2604.0,1.00%,F,T)



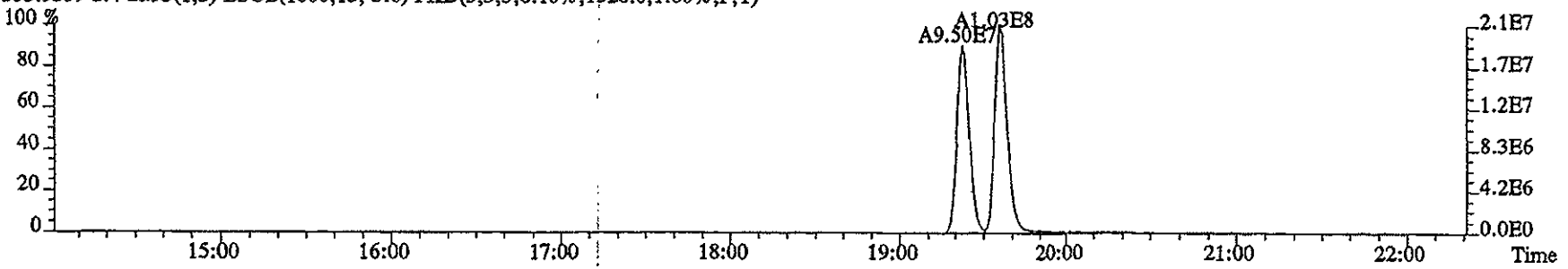
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2340.0,1.00%,F,T)



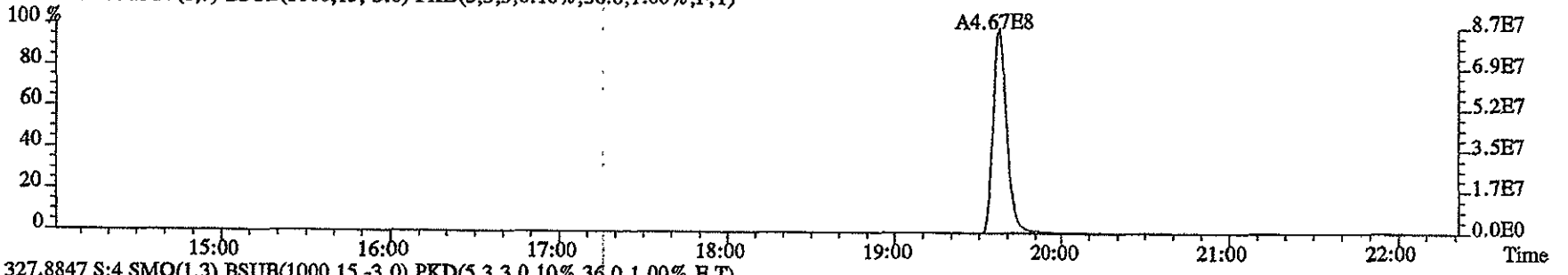
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)



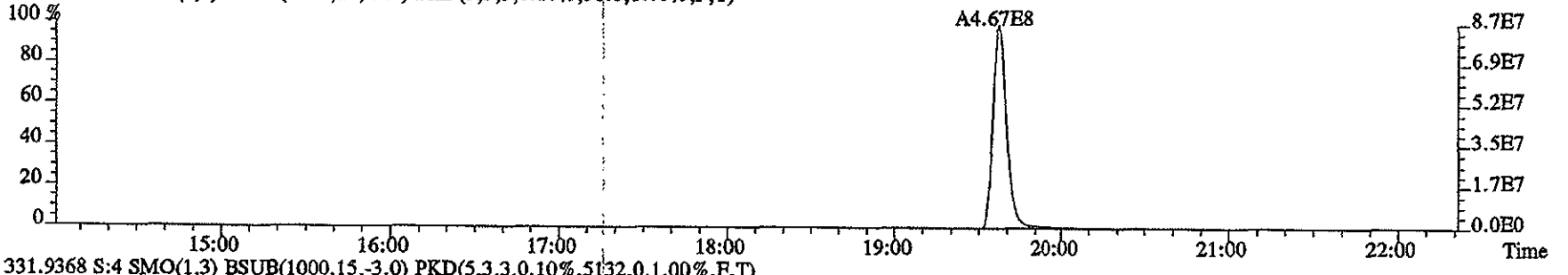
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1520.0,1.00%,F,T)



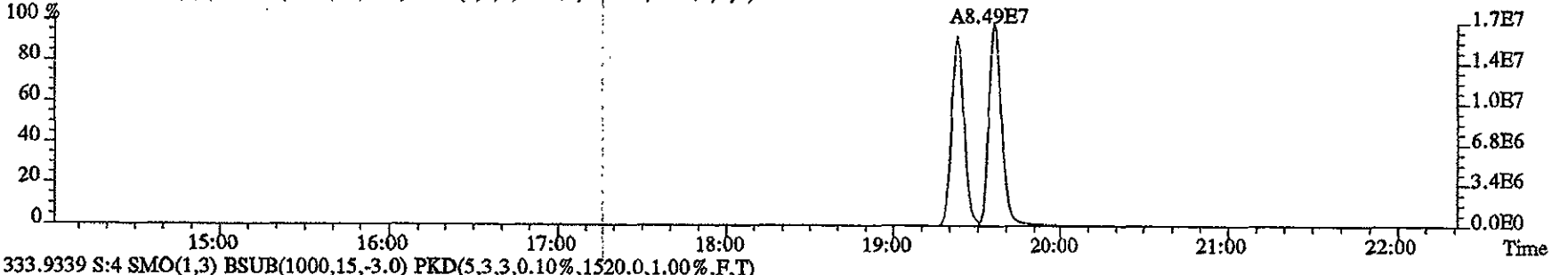
File:04FE104D5 #1-578 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36.0,1.00%,F,T)



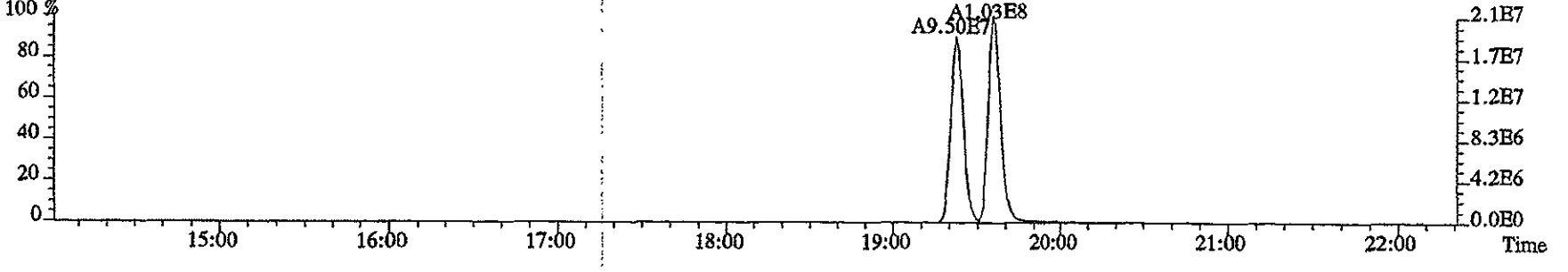
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)

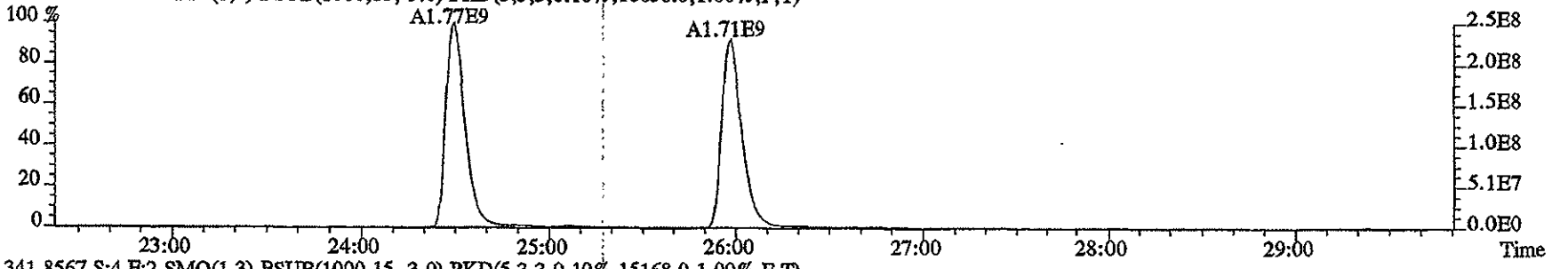


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1520.0,1.00%,F,T)

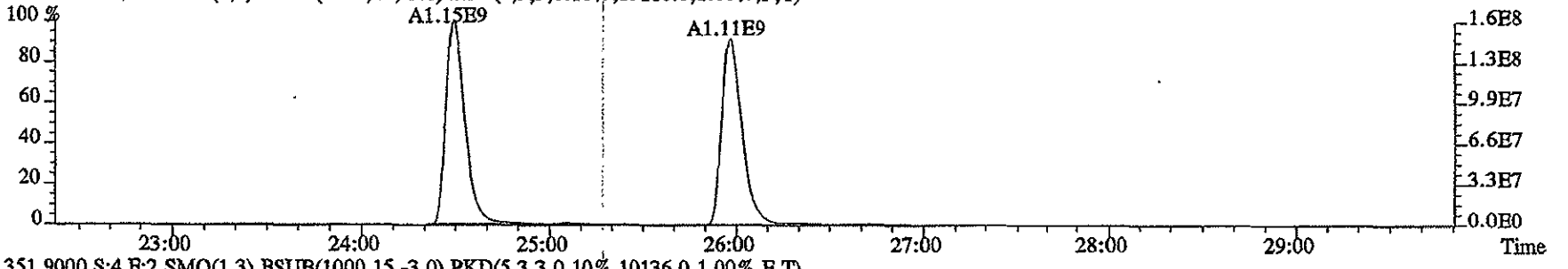


File:04FE104D5 #1-596 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN

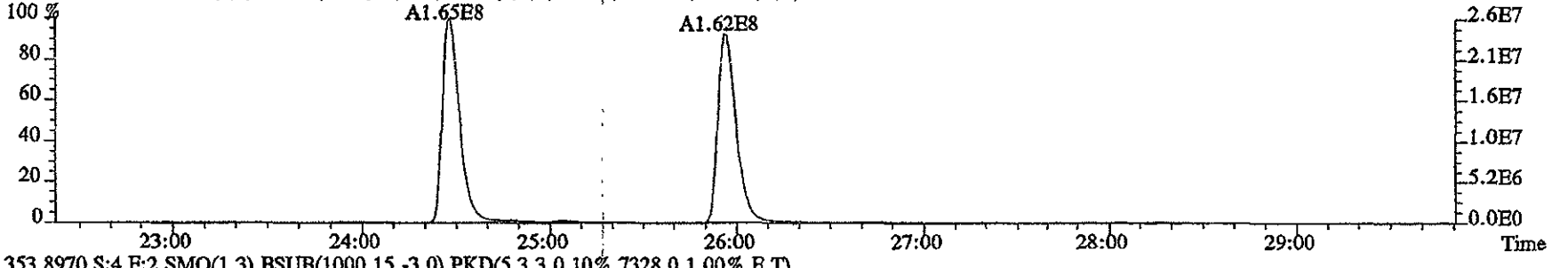
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18636.0,1.00%,F,T)



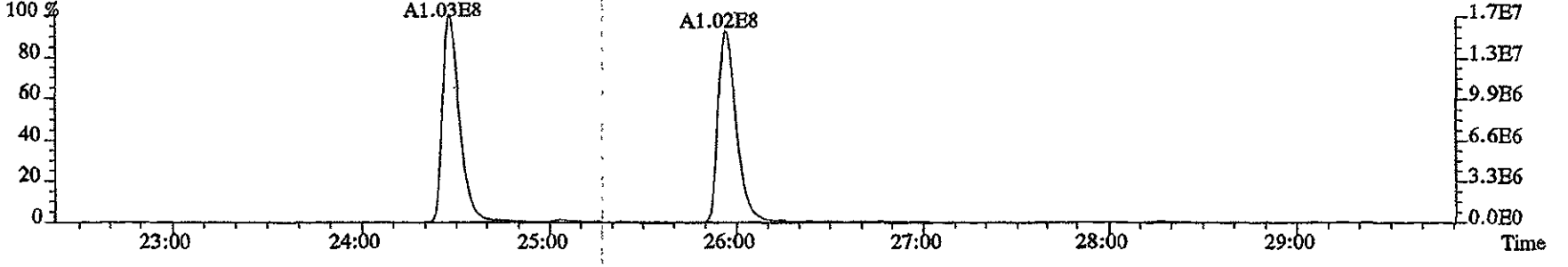
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15168.0,1.00%,F,T)



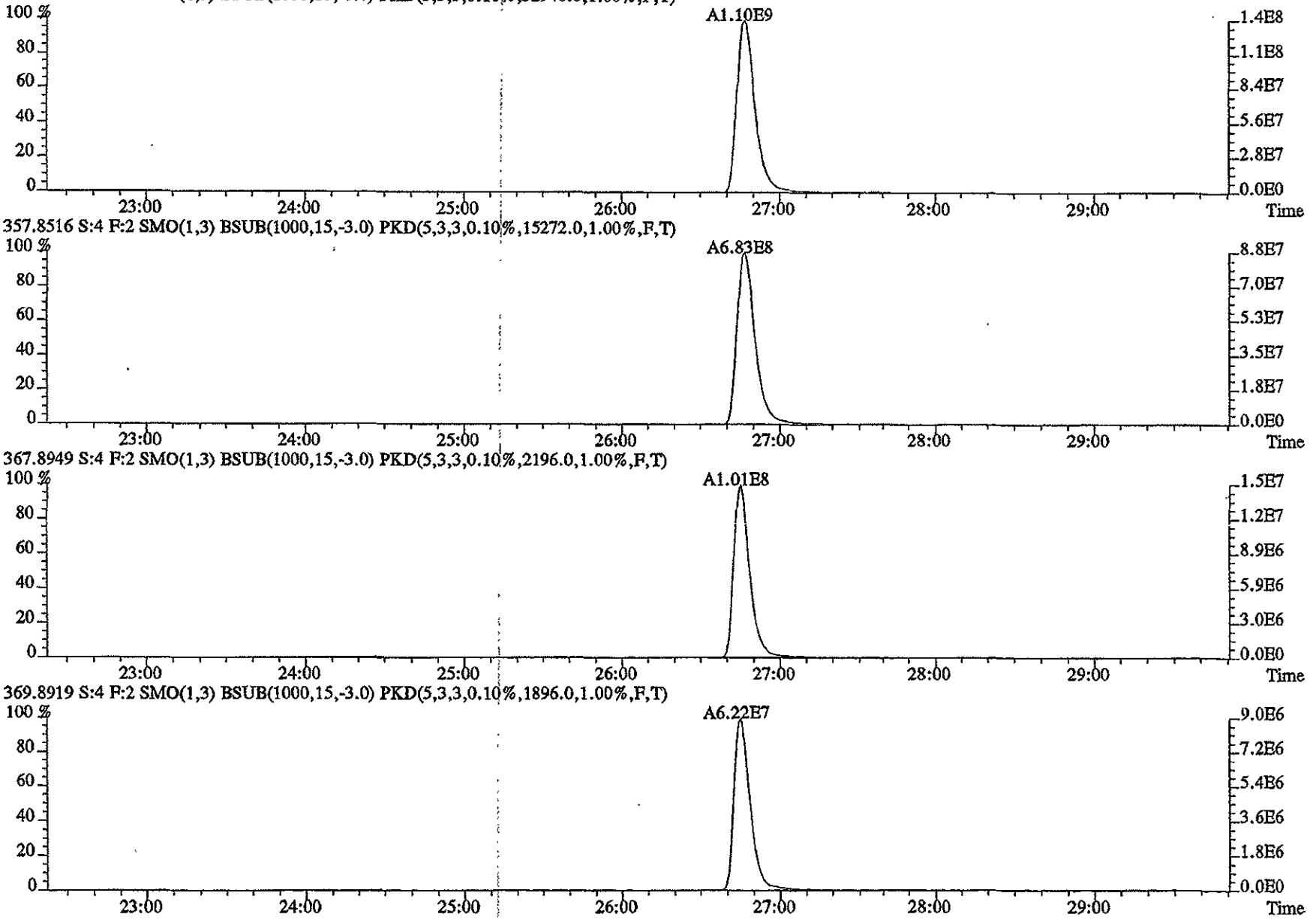
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10136.0,1.00%,F,T)



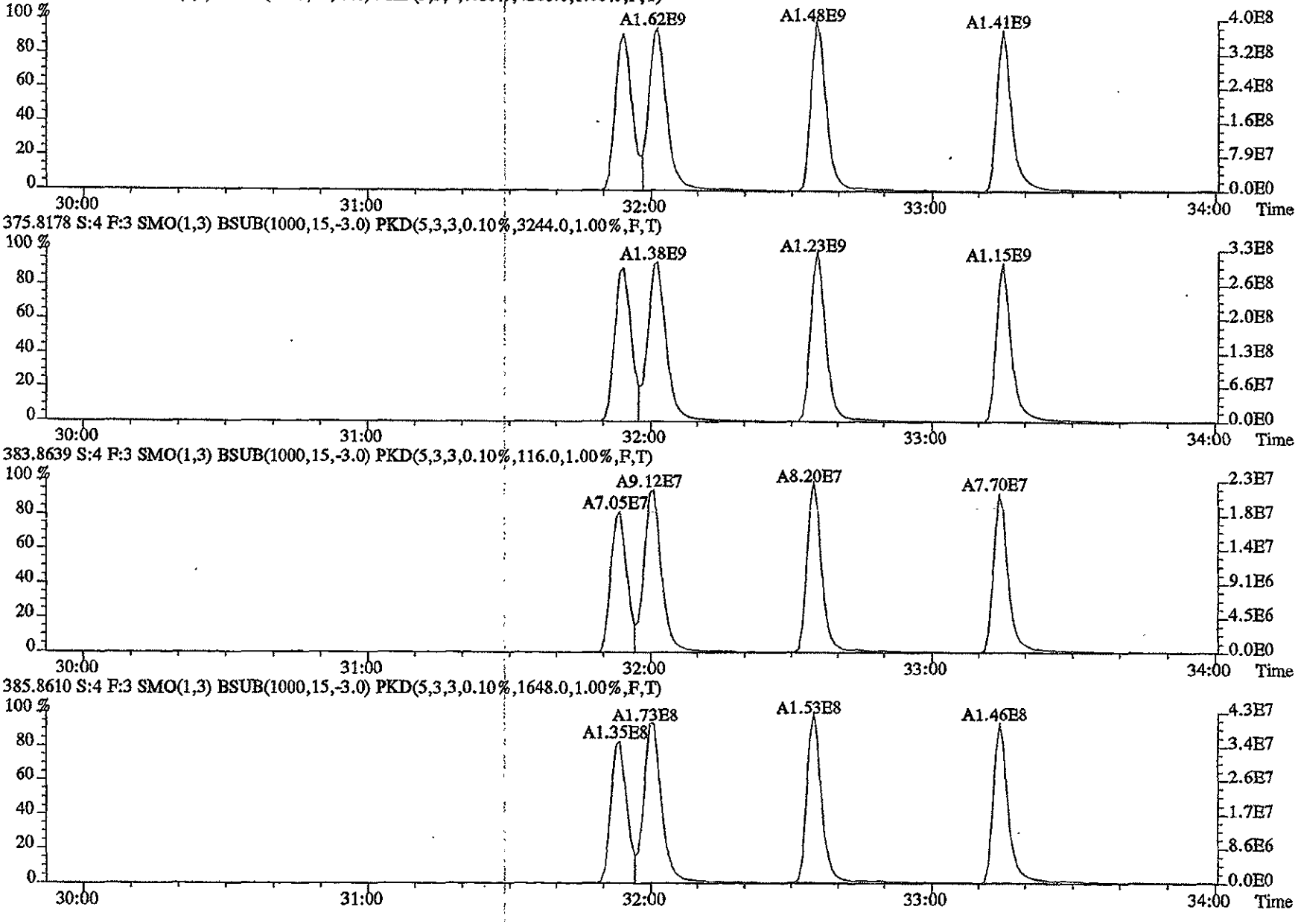
353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7328.0,1.00%,F,T)



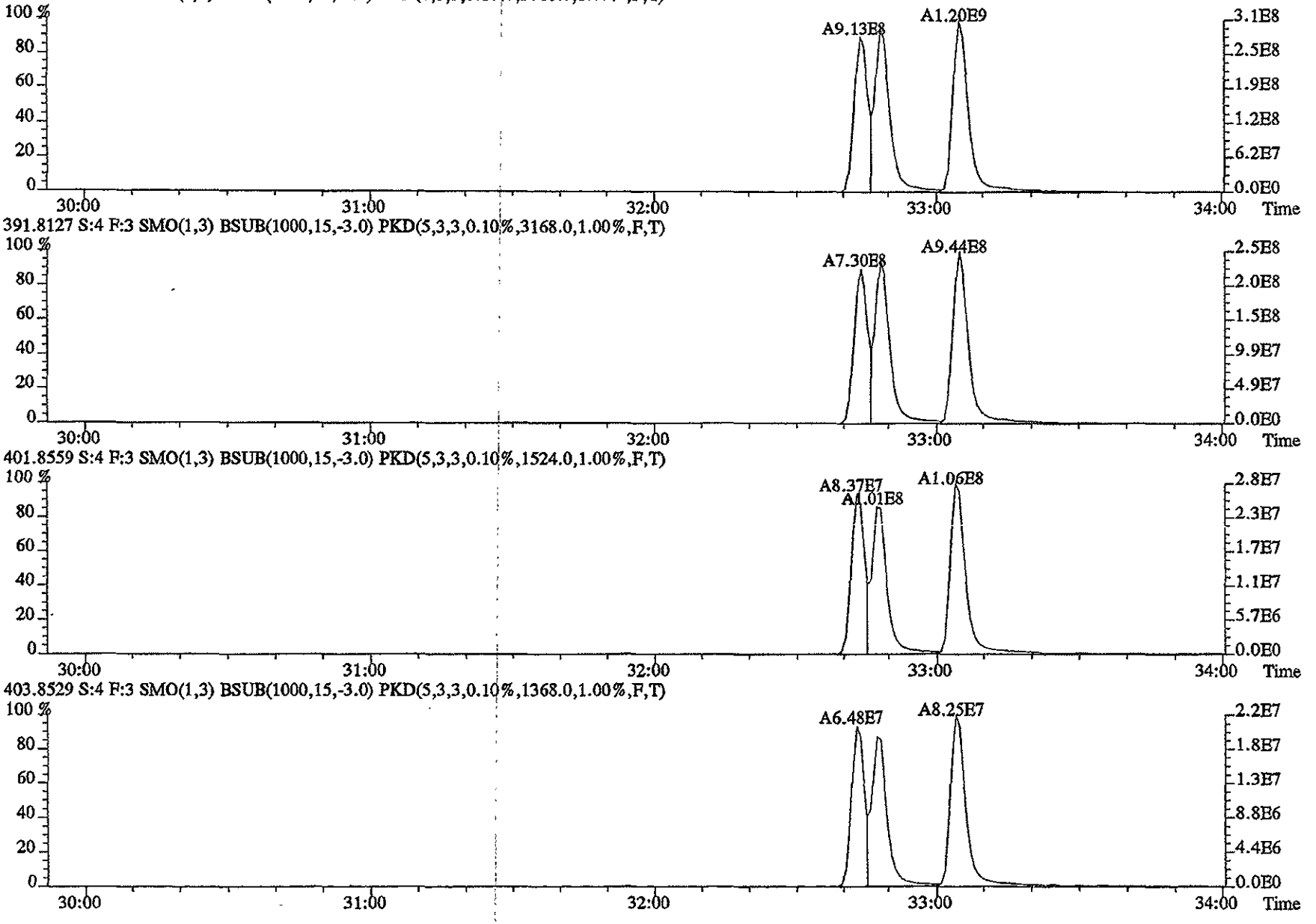
File:04FE104D5 #1-596 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN



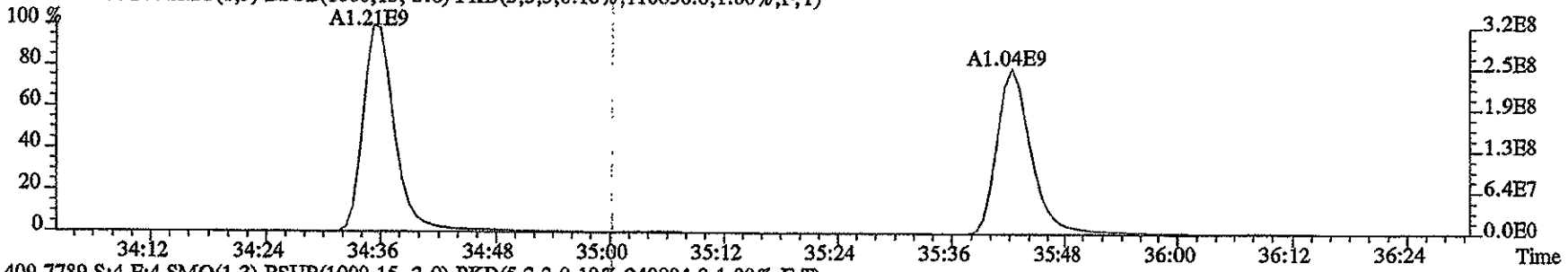
File:04FE104D5 #1-314 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN



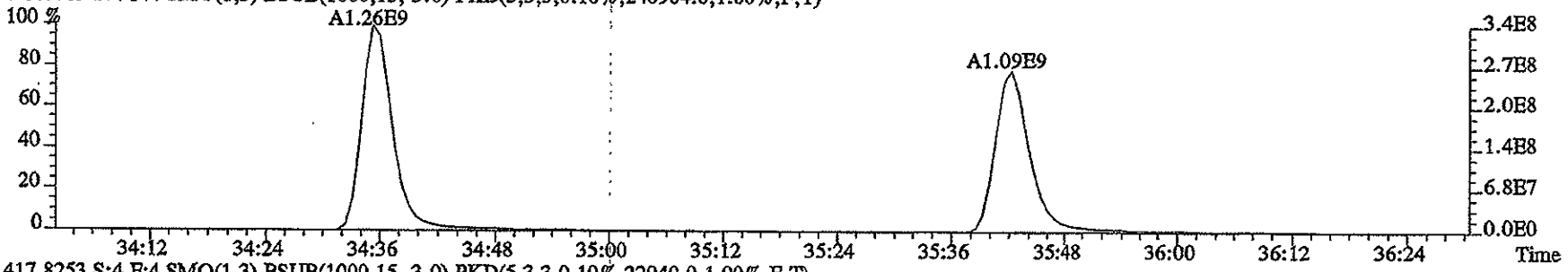
File:04FE104D5 #1-314 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN



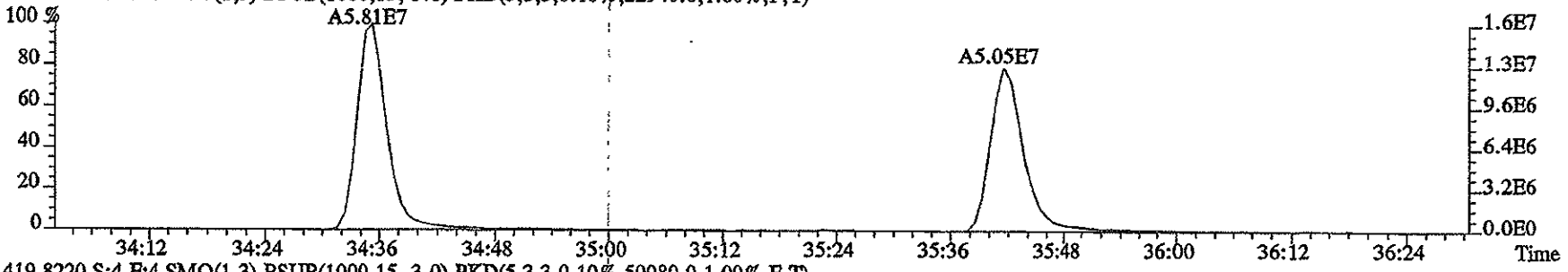
File:04FE104D5 #1-198 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,110856.0,1.00%,F,T)



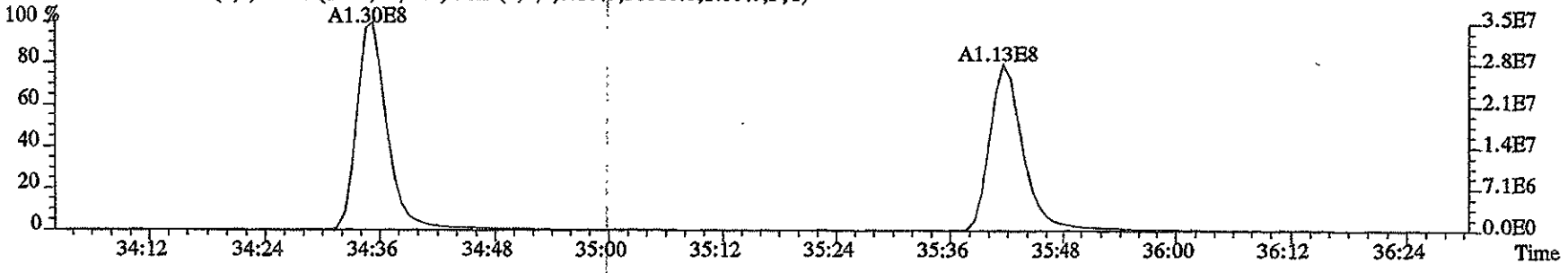
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,240904.0,1.00%,F,T)



417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22940.0,1.00%,F,T)

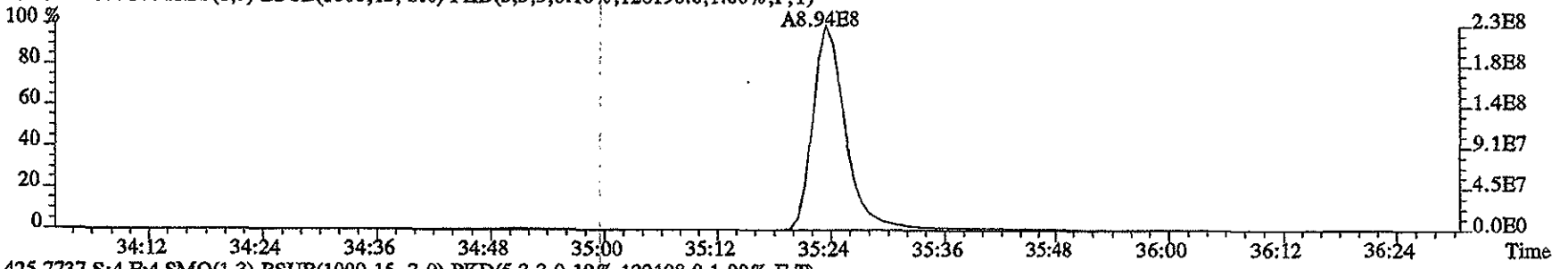


419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,50080.0,1.00%,F,T)

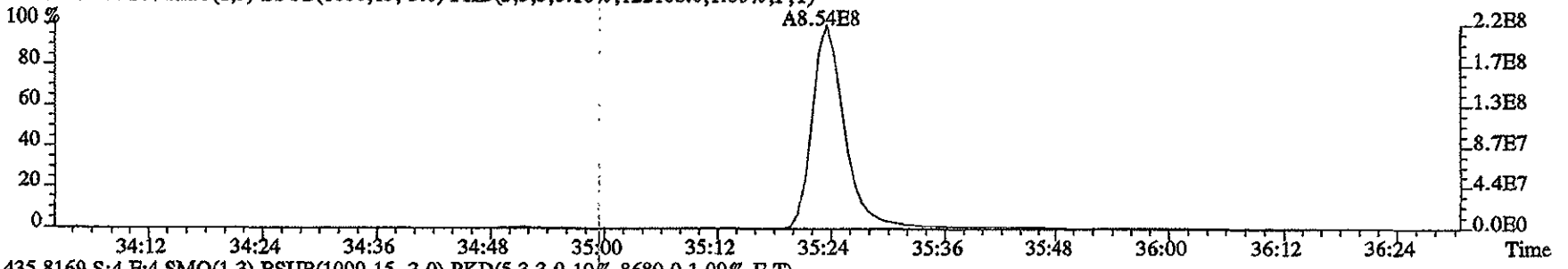


File:04FB104D5 #1-198 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN

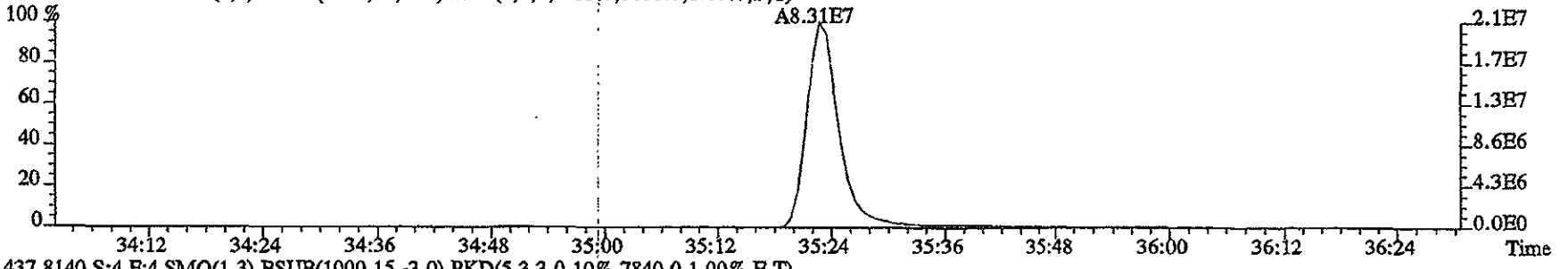
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128196.0,1.00%,F,T)



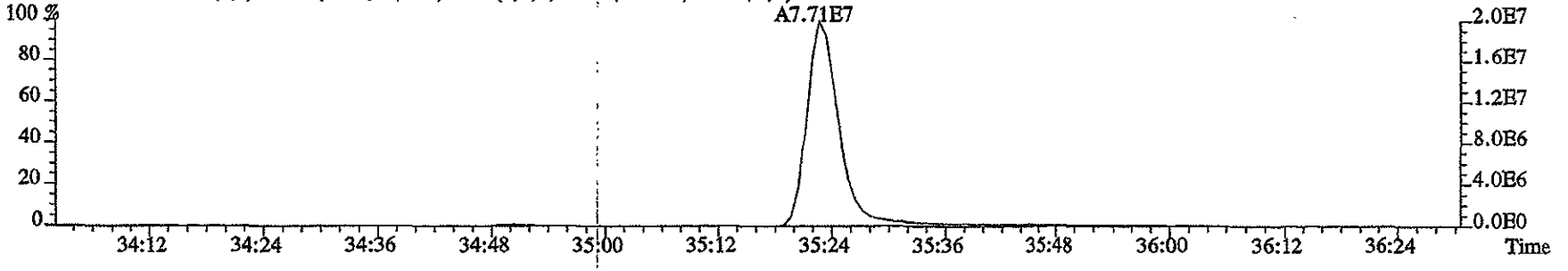
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,122108.0,1.00%,F,T)



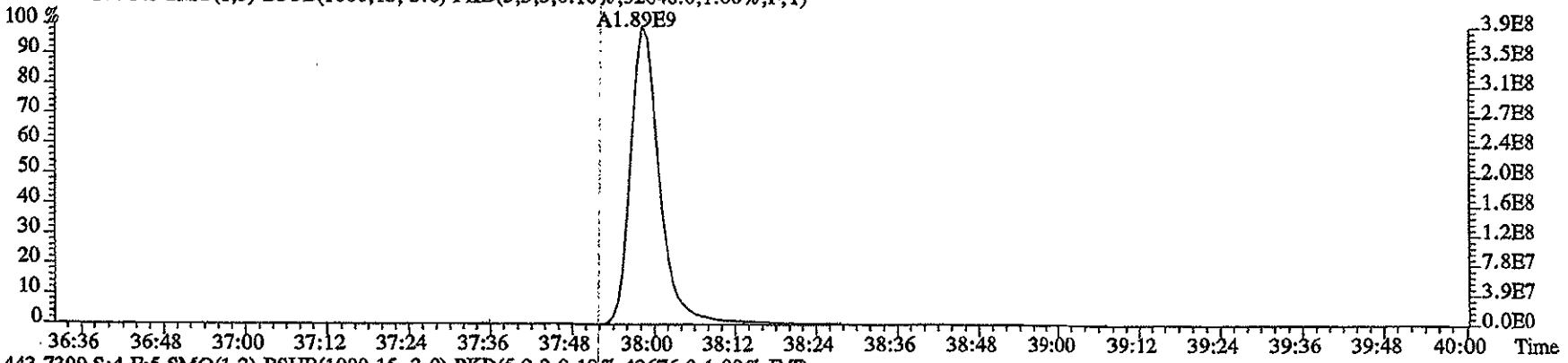
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8680.0,1.00%,F,T)



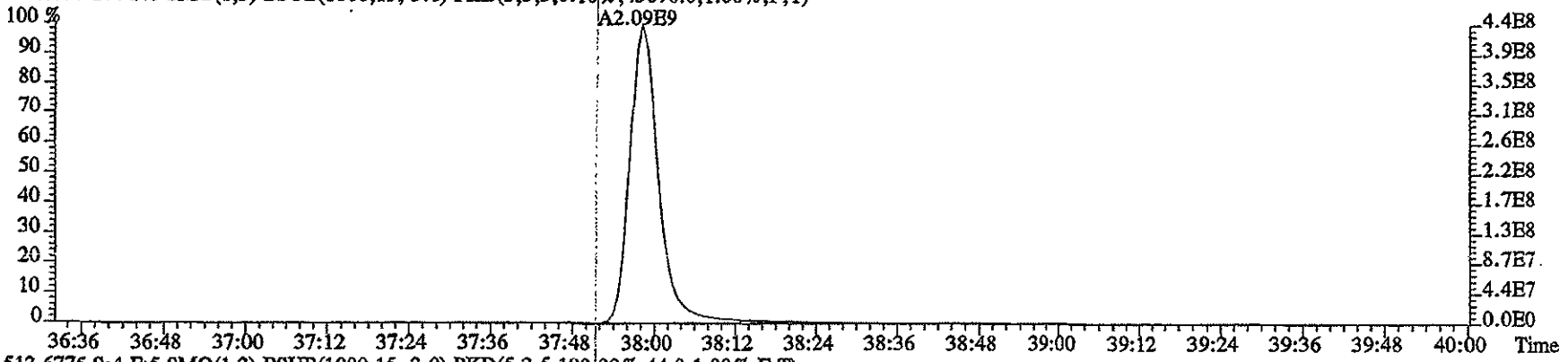
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7840.0,1.00%,F,T)



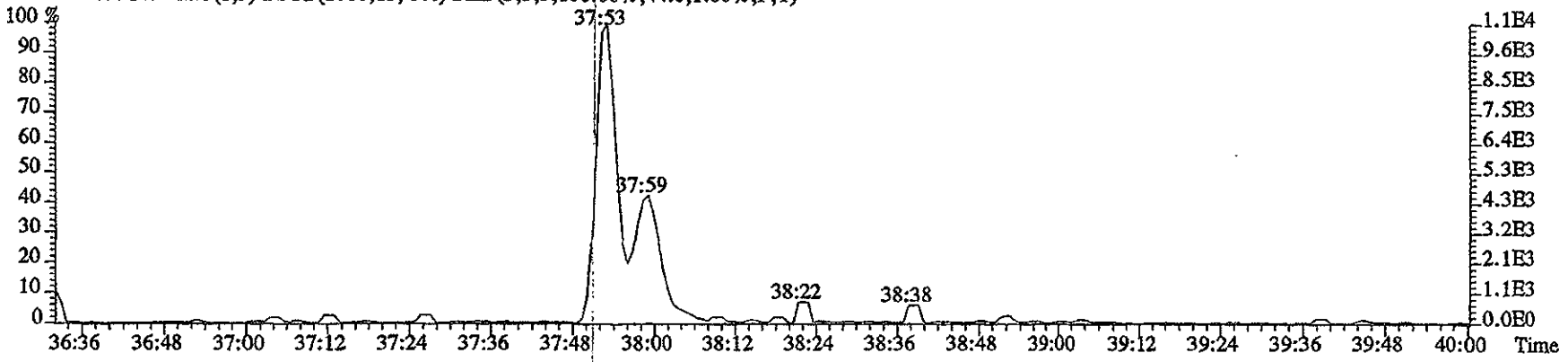
File:04FB104D5 #1-281 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52848.0,1.00%,F,T)

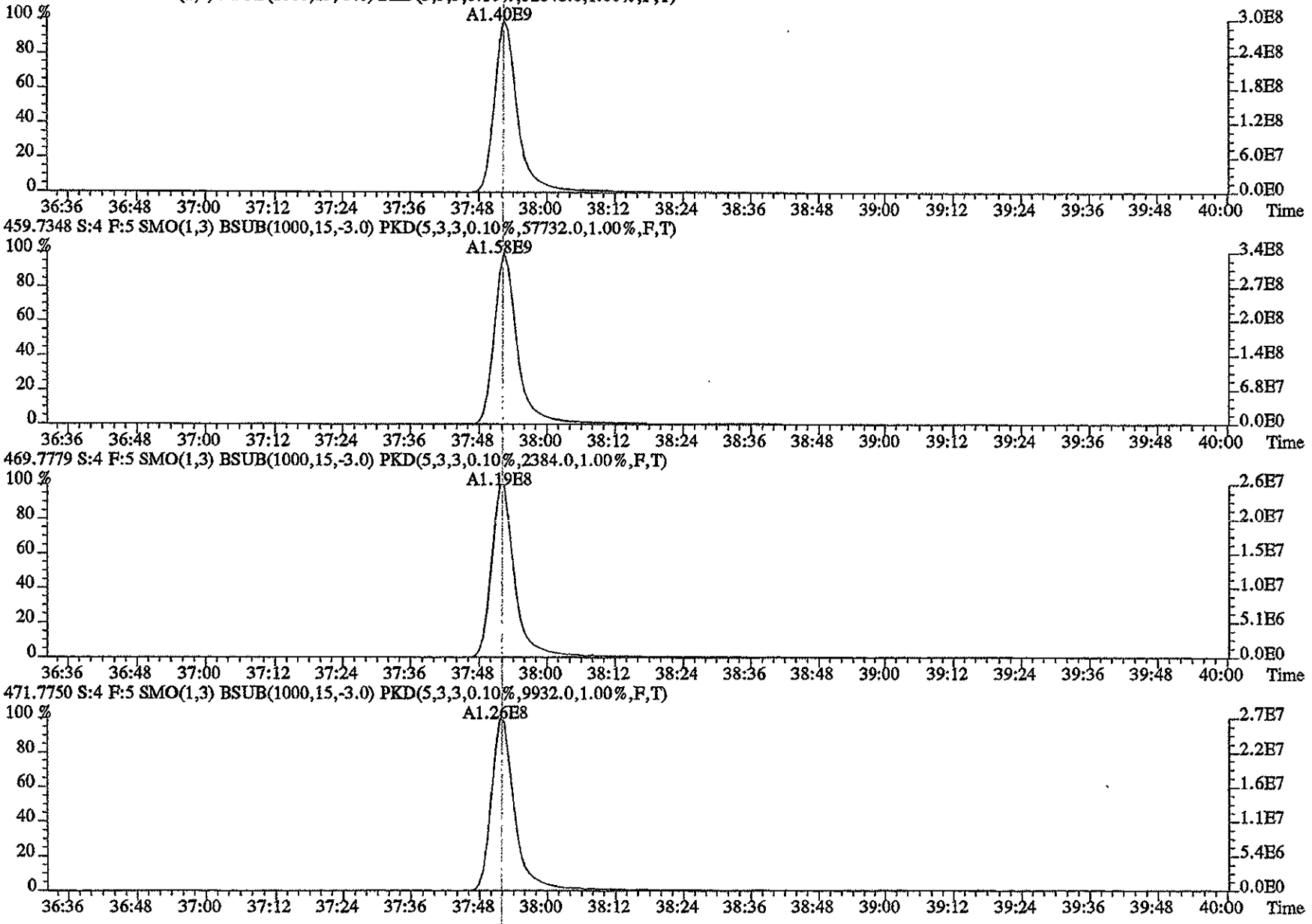


443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43676.0,1.00%,F,T)

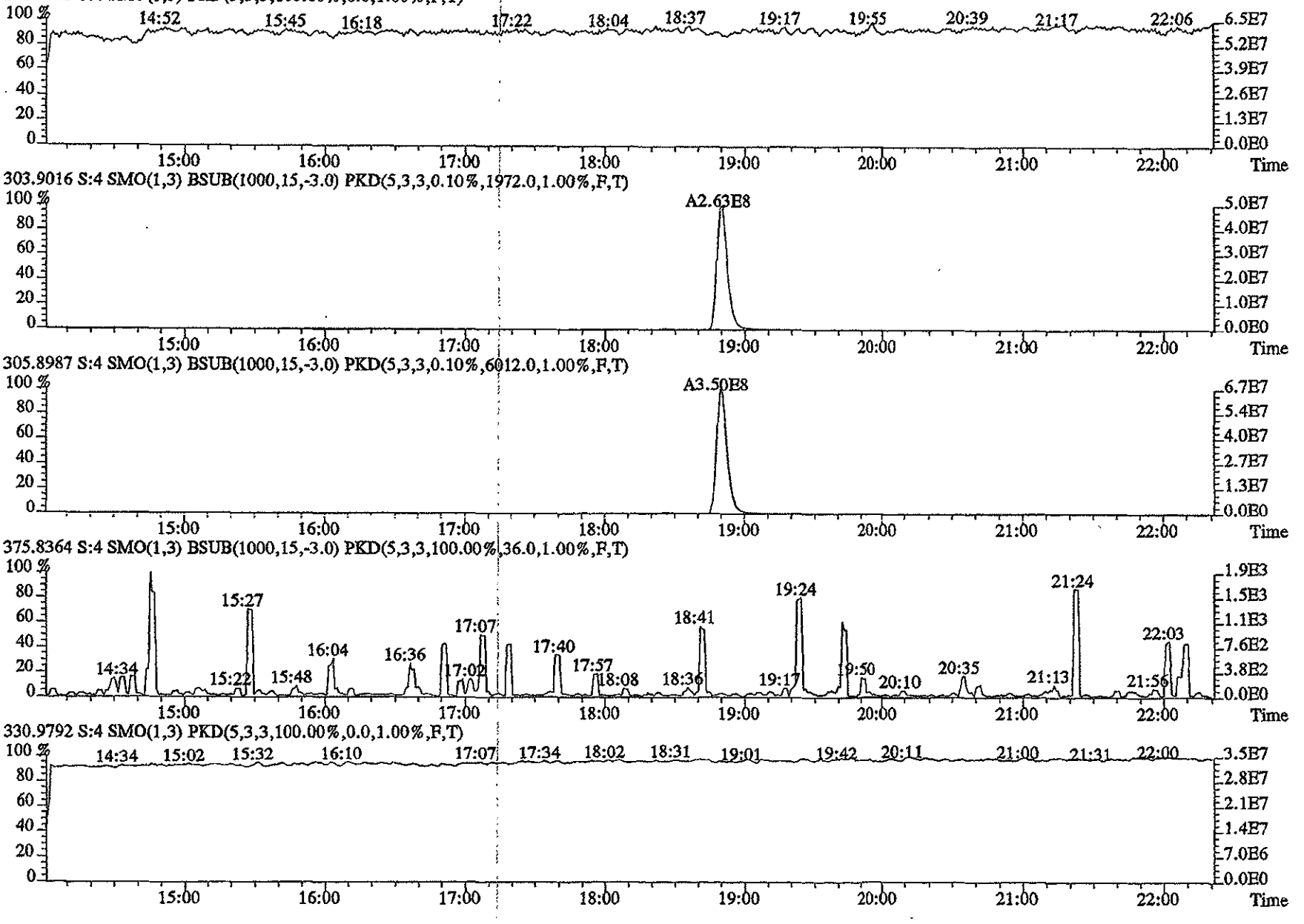


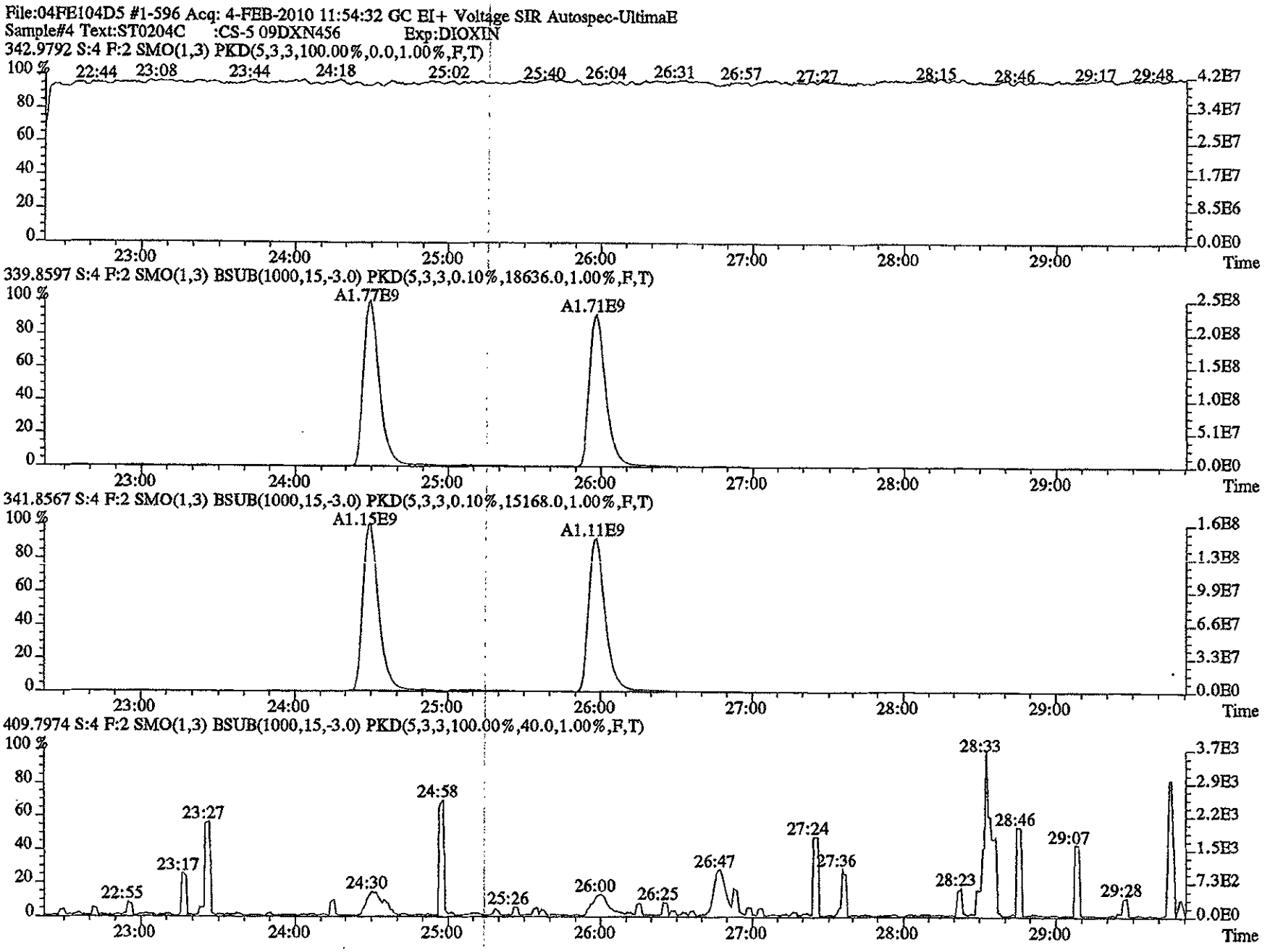
513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,44.0,1.00%,F,T)

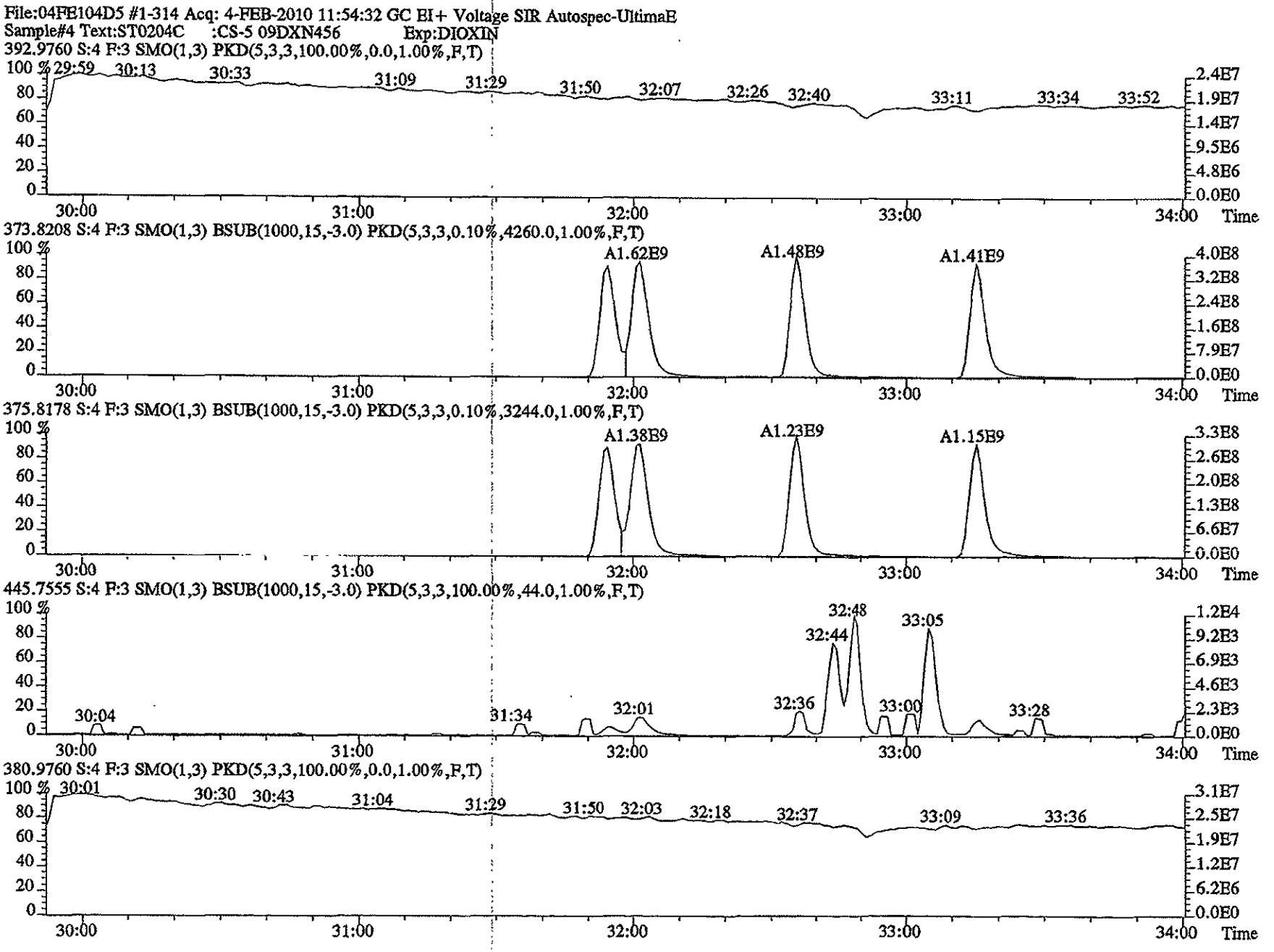


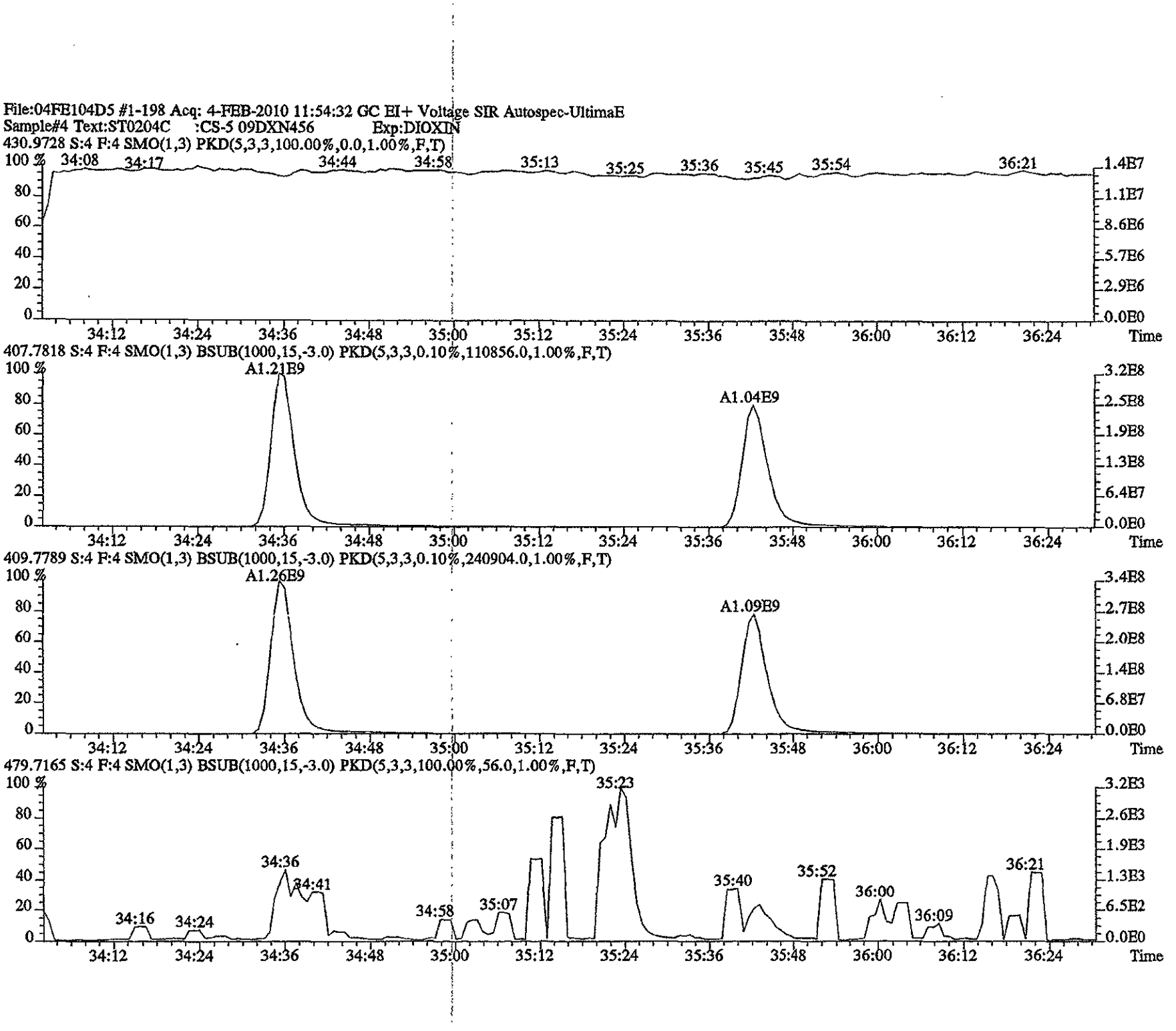

File:04FE104D5 #1-281 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52848.0,1.00%,F,T)
A1.40E9
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57732.0,1.00%,F,T)
A1.58E9
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)
A1.19E8
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9932.0,1.00%,F,T)
A1.26E8
100 %
80
60
40
20
0
3.0E8
2.4E8
1.8E8
1.2E8
6.0E7
0.0E0
3.4E8
2.7E8
2.0E8
1.4E8
6.8E7
2.6E7
2.0E7
1.5E7
1.0E7
5.1E6
2.7E7
2.2E7
1.6E7
1.1E7
5.4E6
36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 39:36 39:48 40:00
Time

File:04FE104D5 #1-578 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN

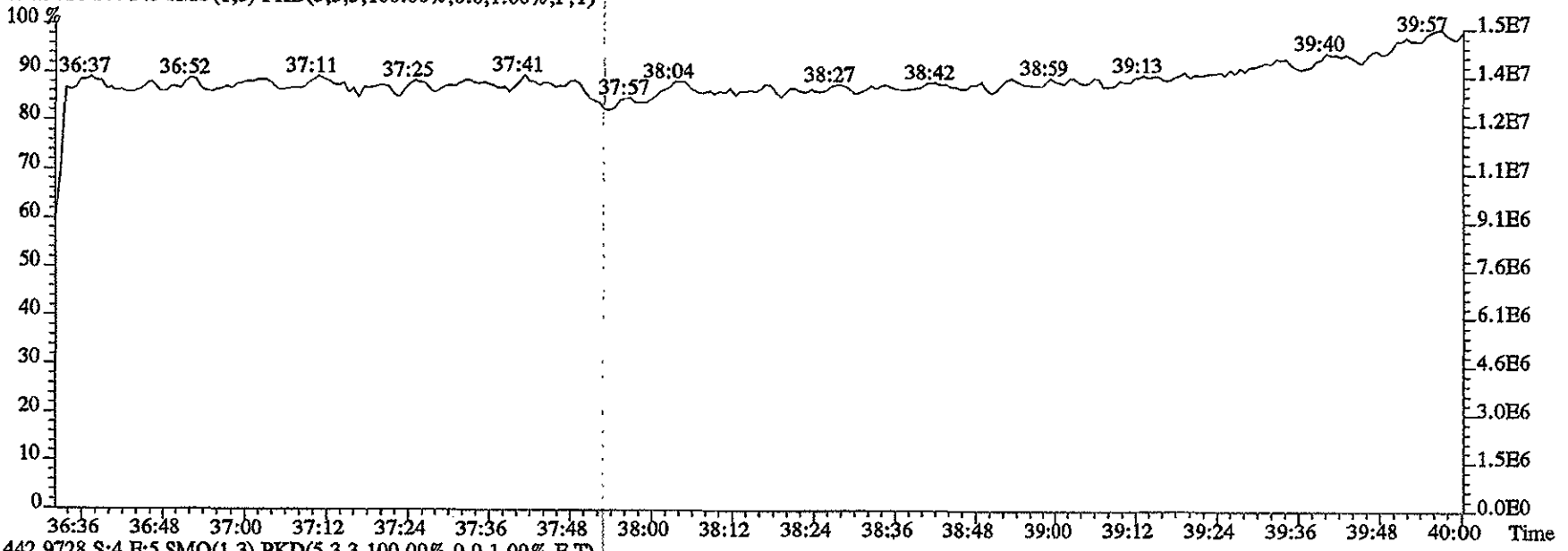




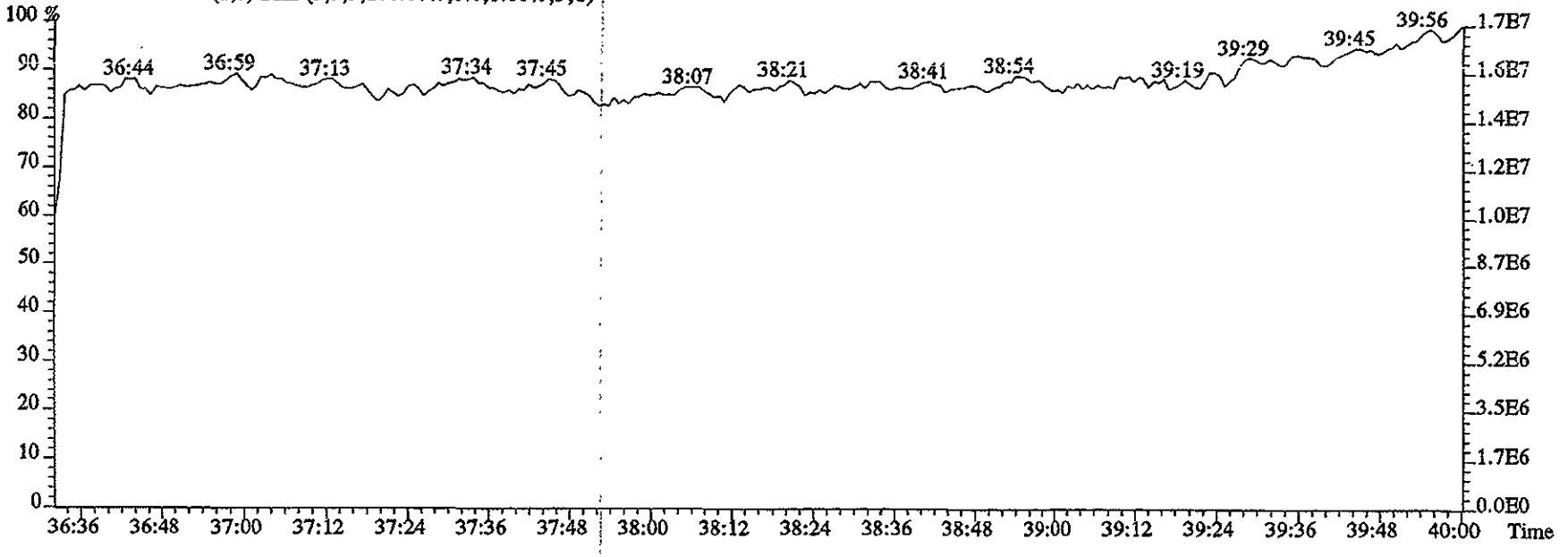




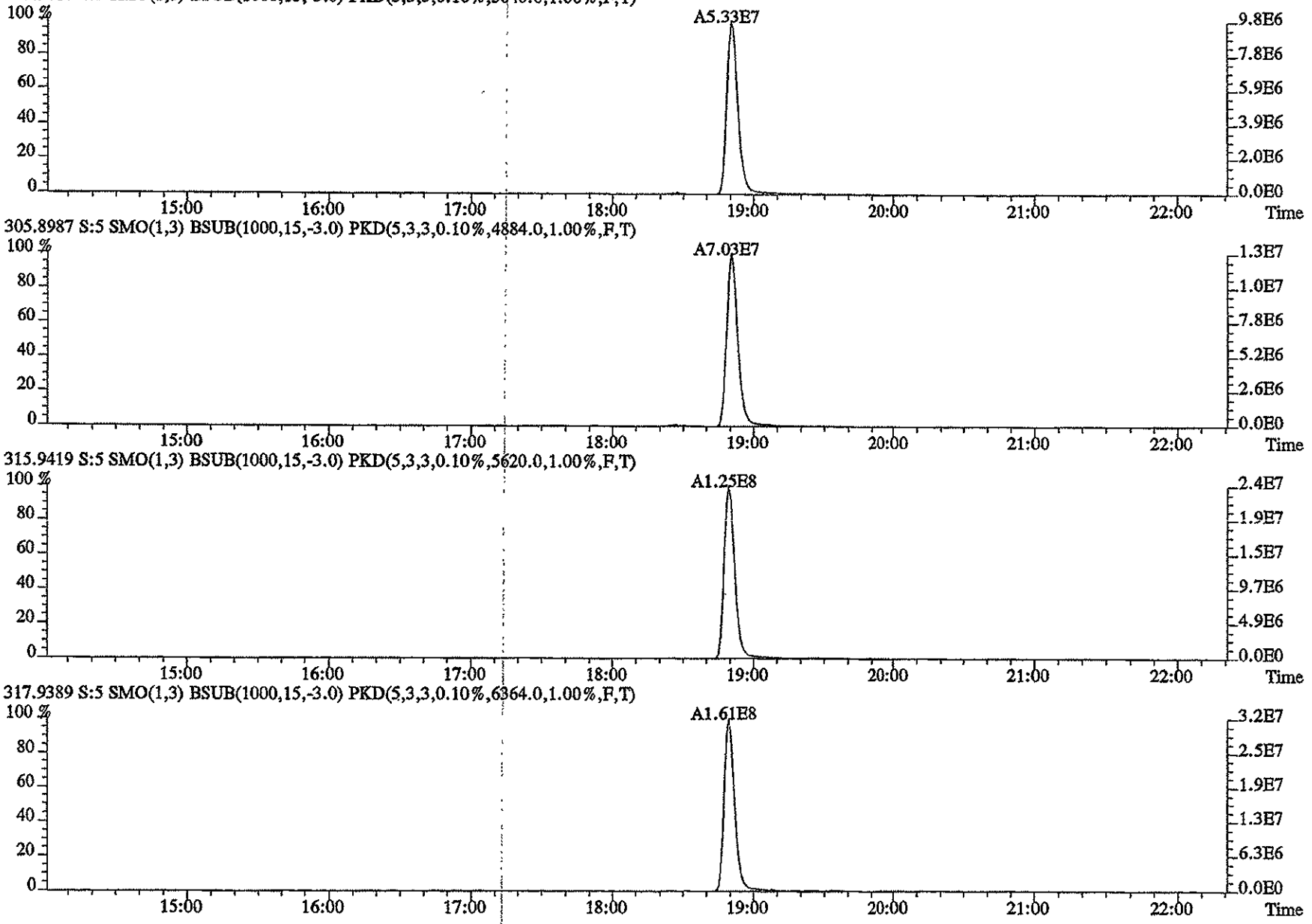
File:04FEB104D5 #1-281 Acq: 4-FEB-2010 11:54:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0204C :CS-5 09DXN456 Exp:DIOXIN
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



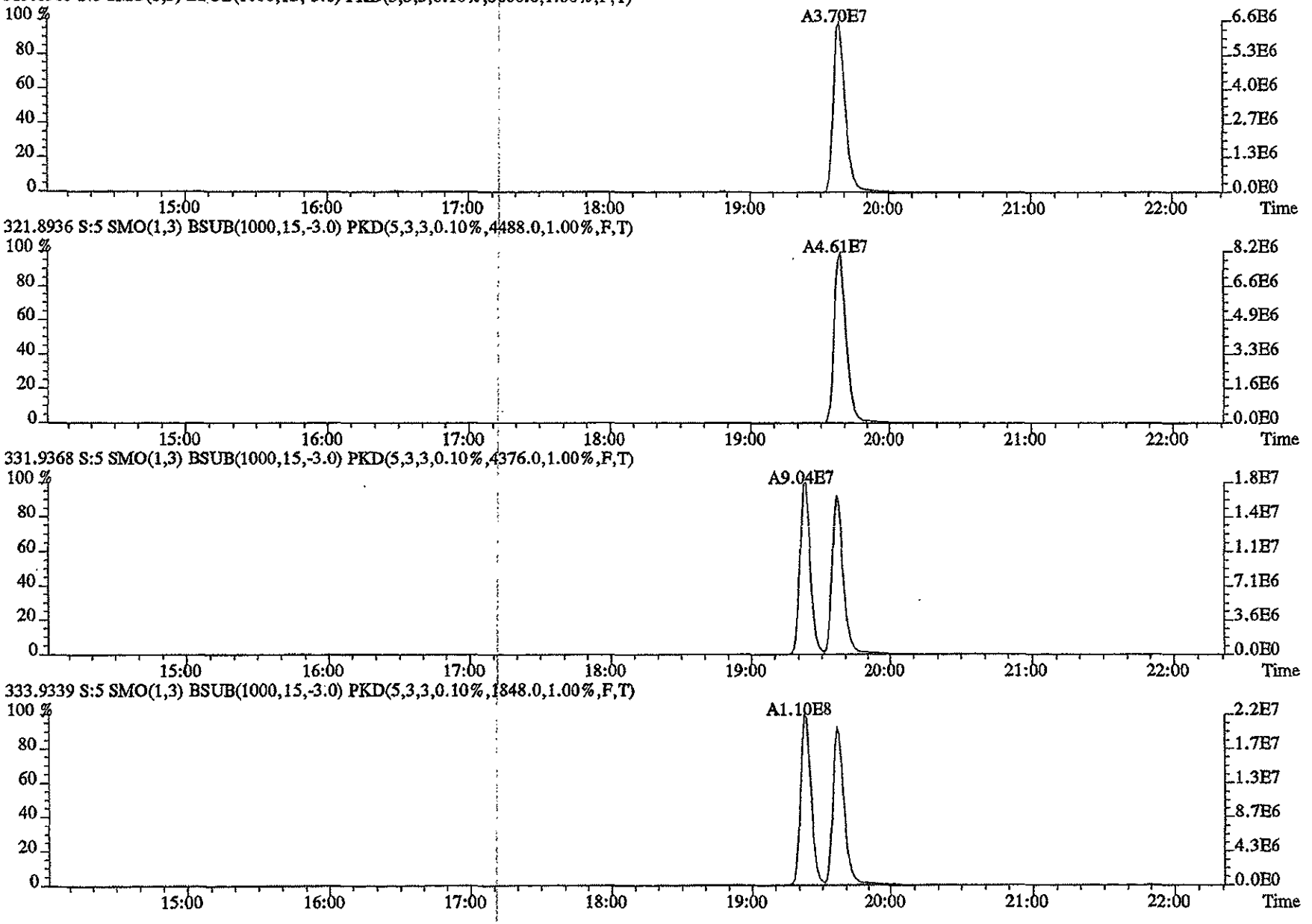
442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



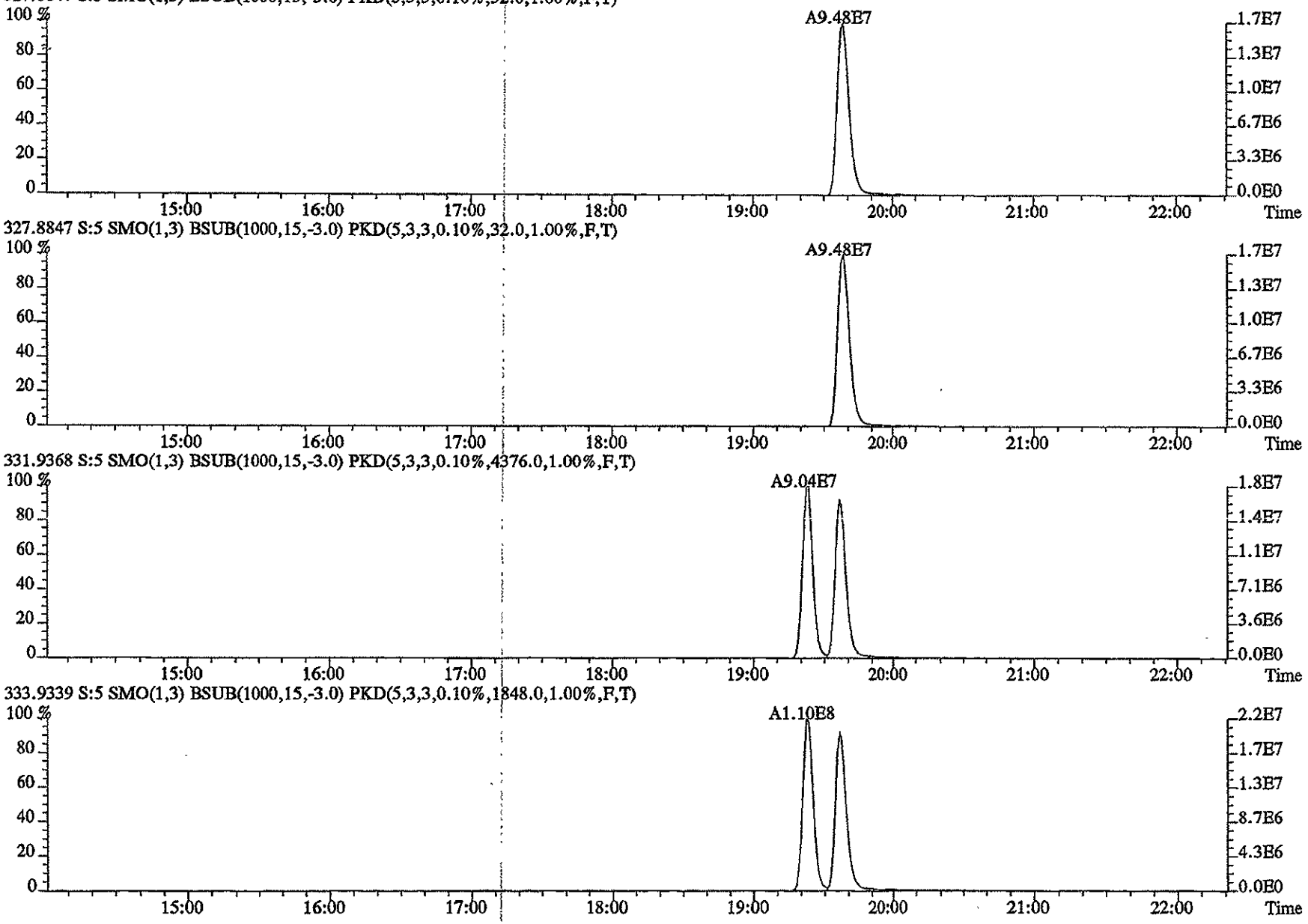
File:04FE104D5 #1-578 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN



File:04FE104D5 #1-578 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN

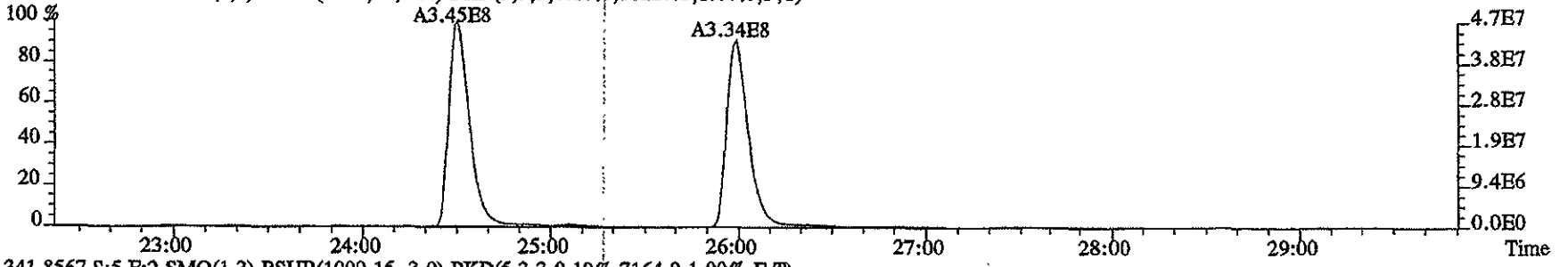


File:04FE104D5 #1-578 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN

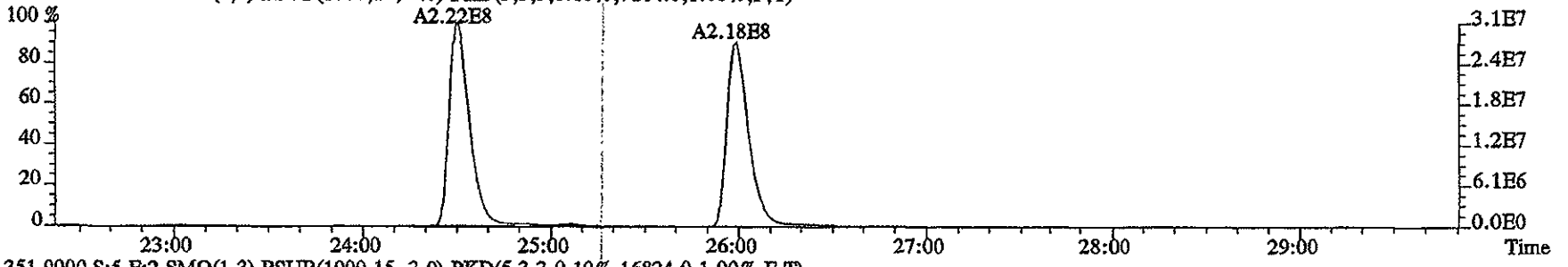


File:04FE104D5 #1-596 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN

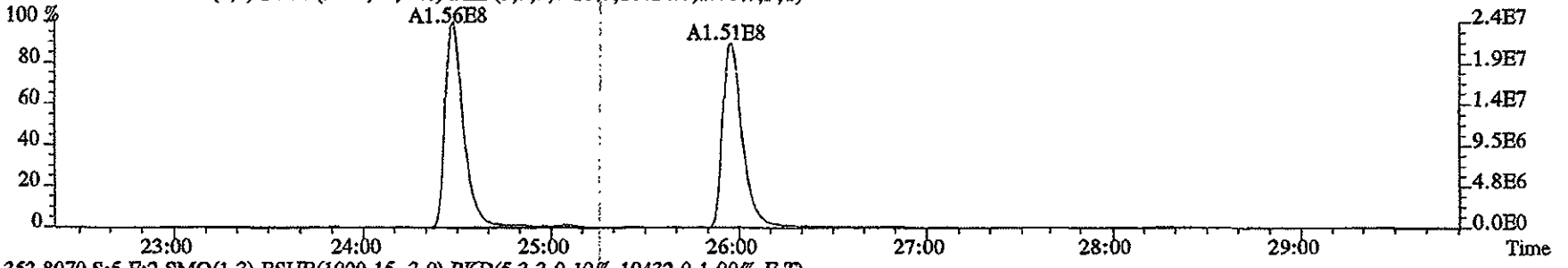
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10228.0,1.00%,F,T)



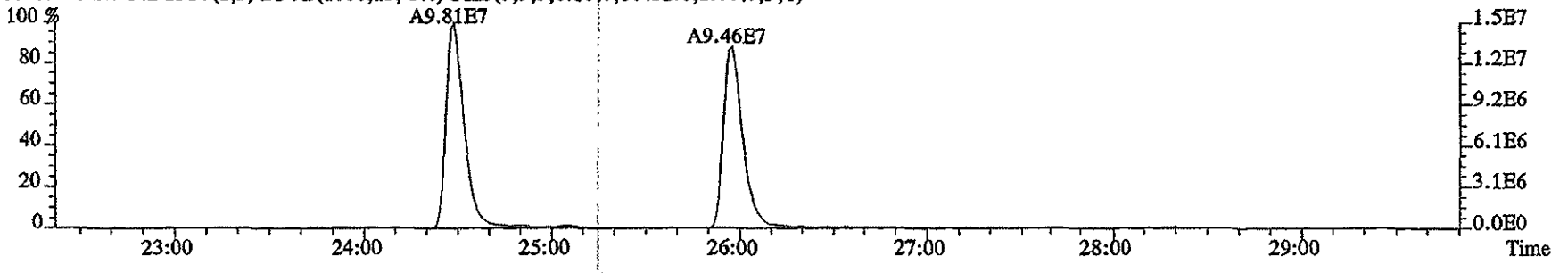
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7164.0,1.00%,F,T)



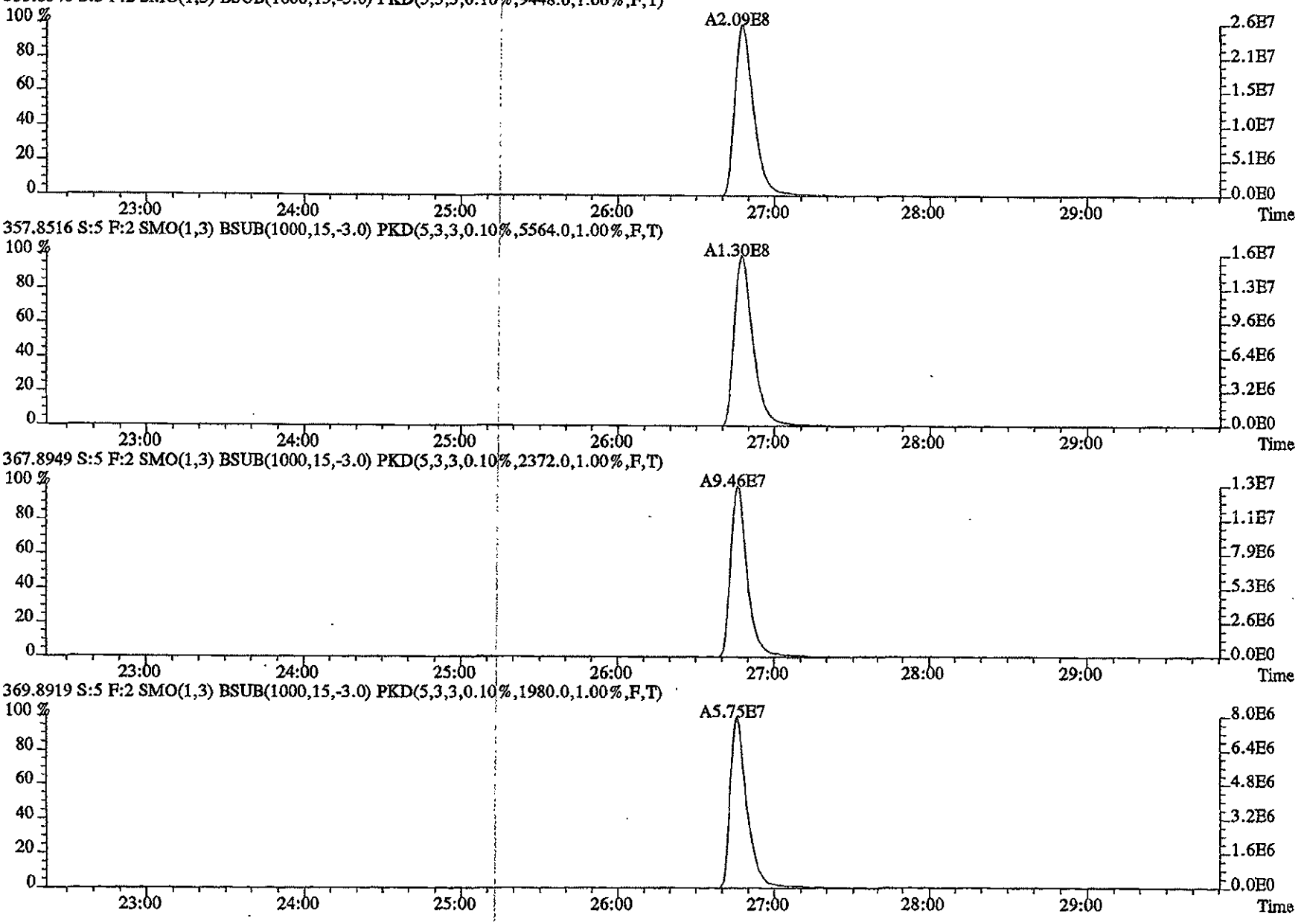
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16824.0,1.00%,F,T)

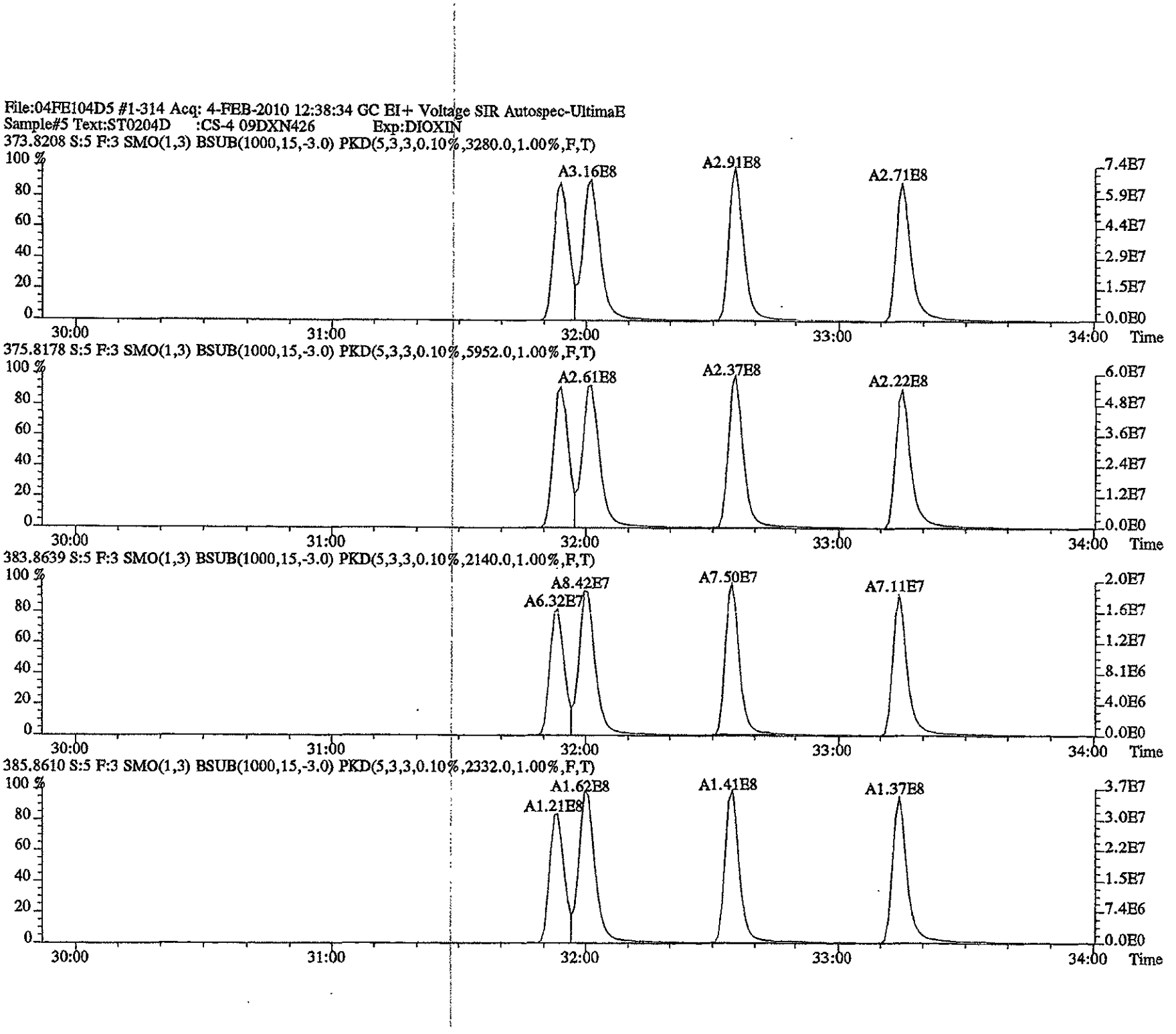


353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10432.0,1.00%,F,T)



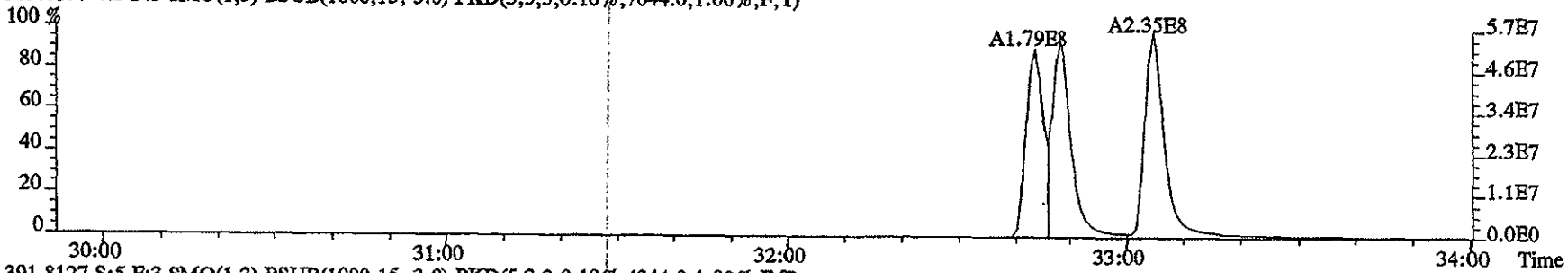
File:04FE104D5 #1-596 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN



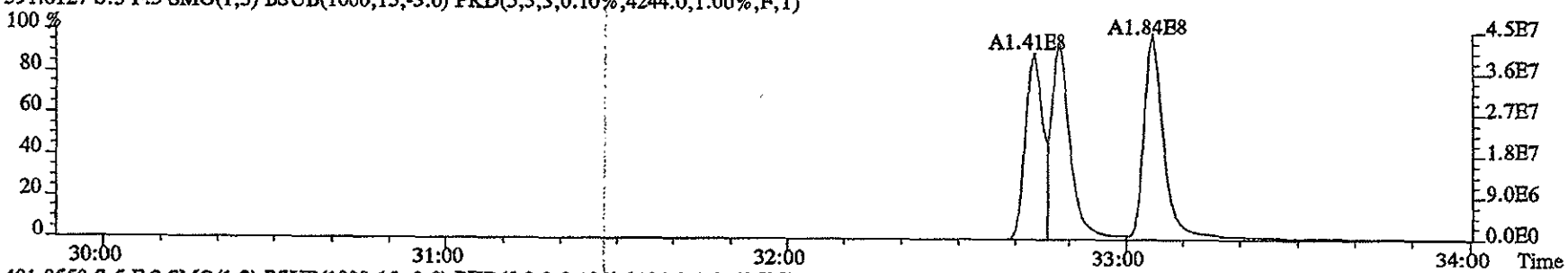


File:04FE104D5 #1-314 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN

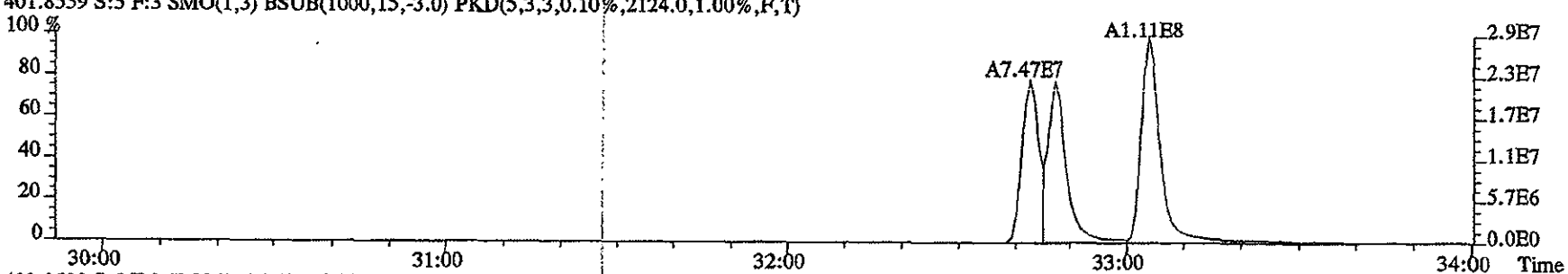
389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7044.0,1.00%,F,T)



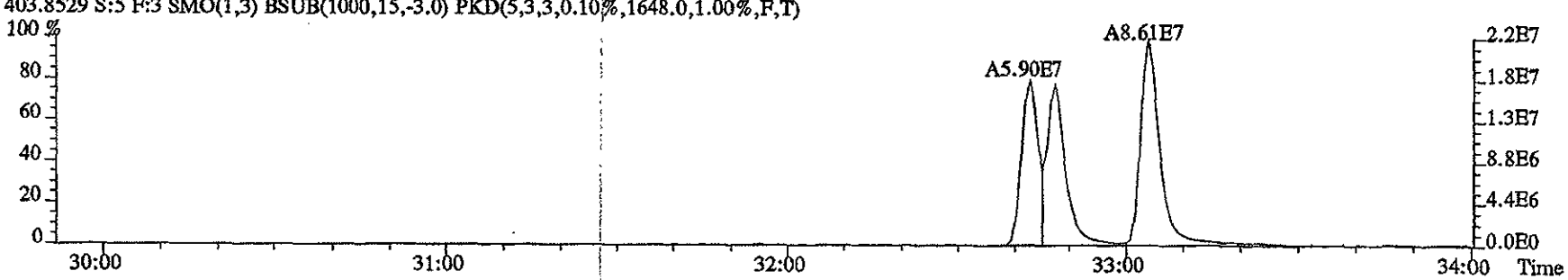
391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



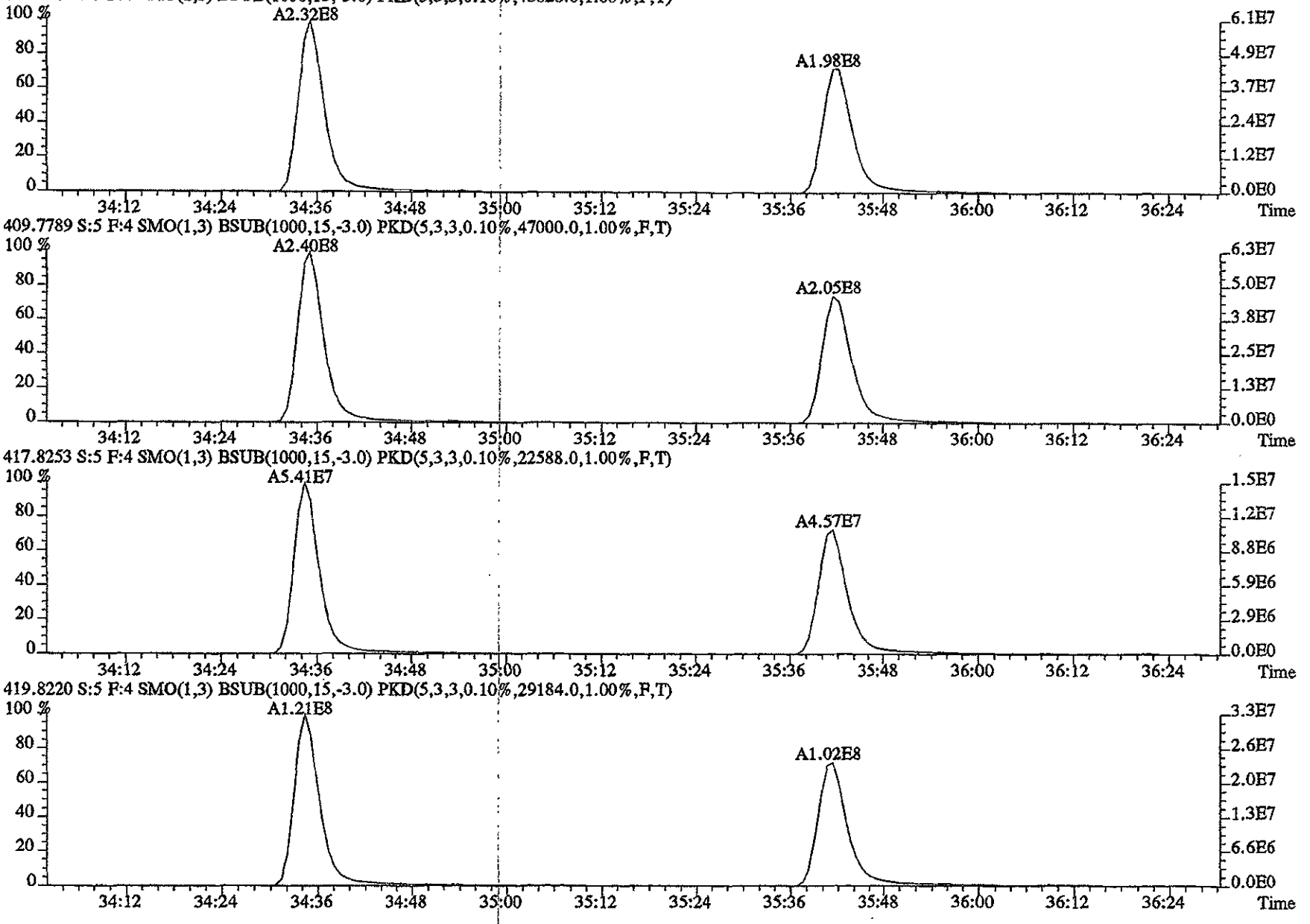
401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2124.0,1.00%,F,T)



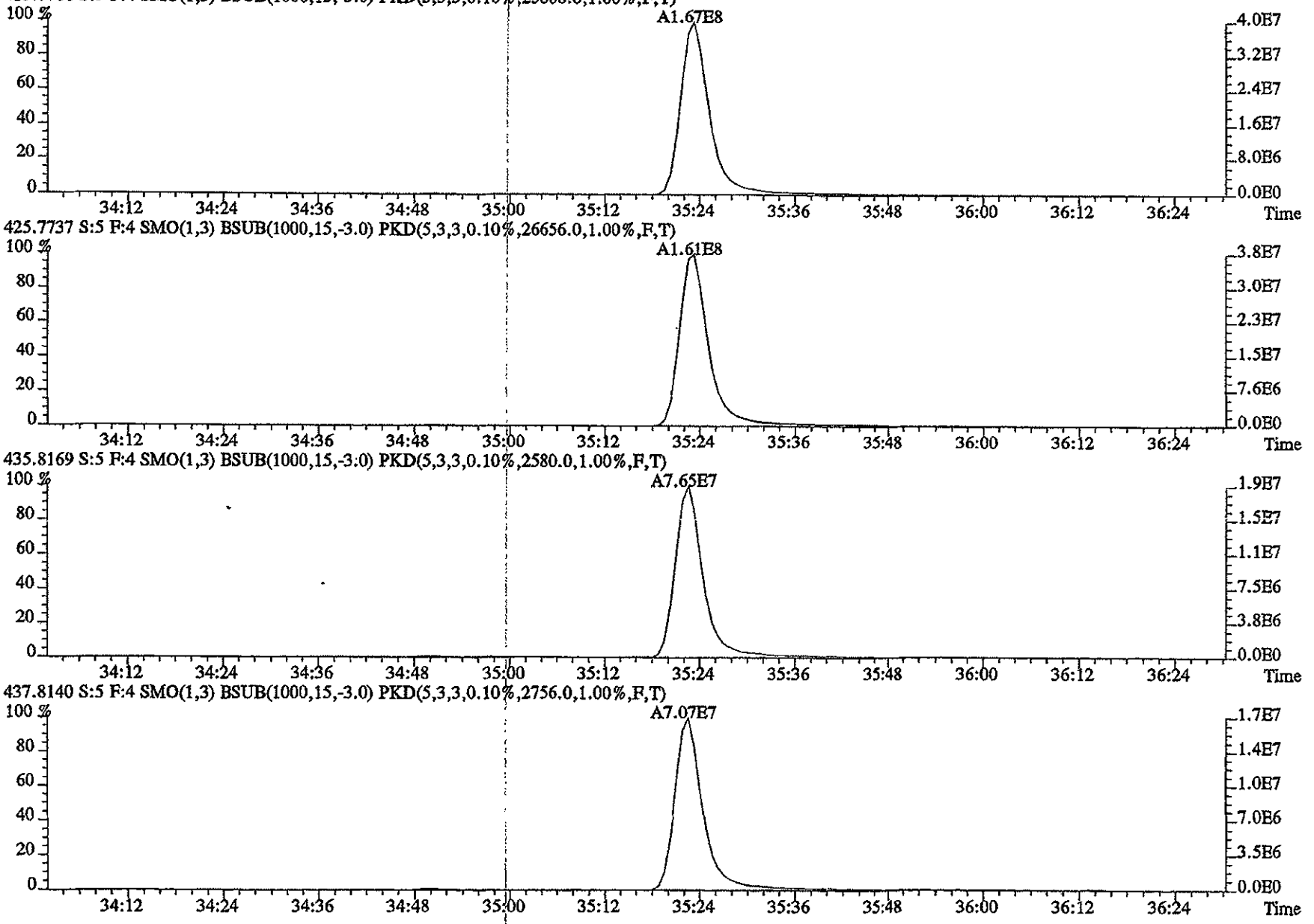
403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1648.0,1.00%,F,T)

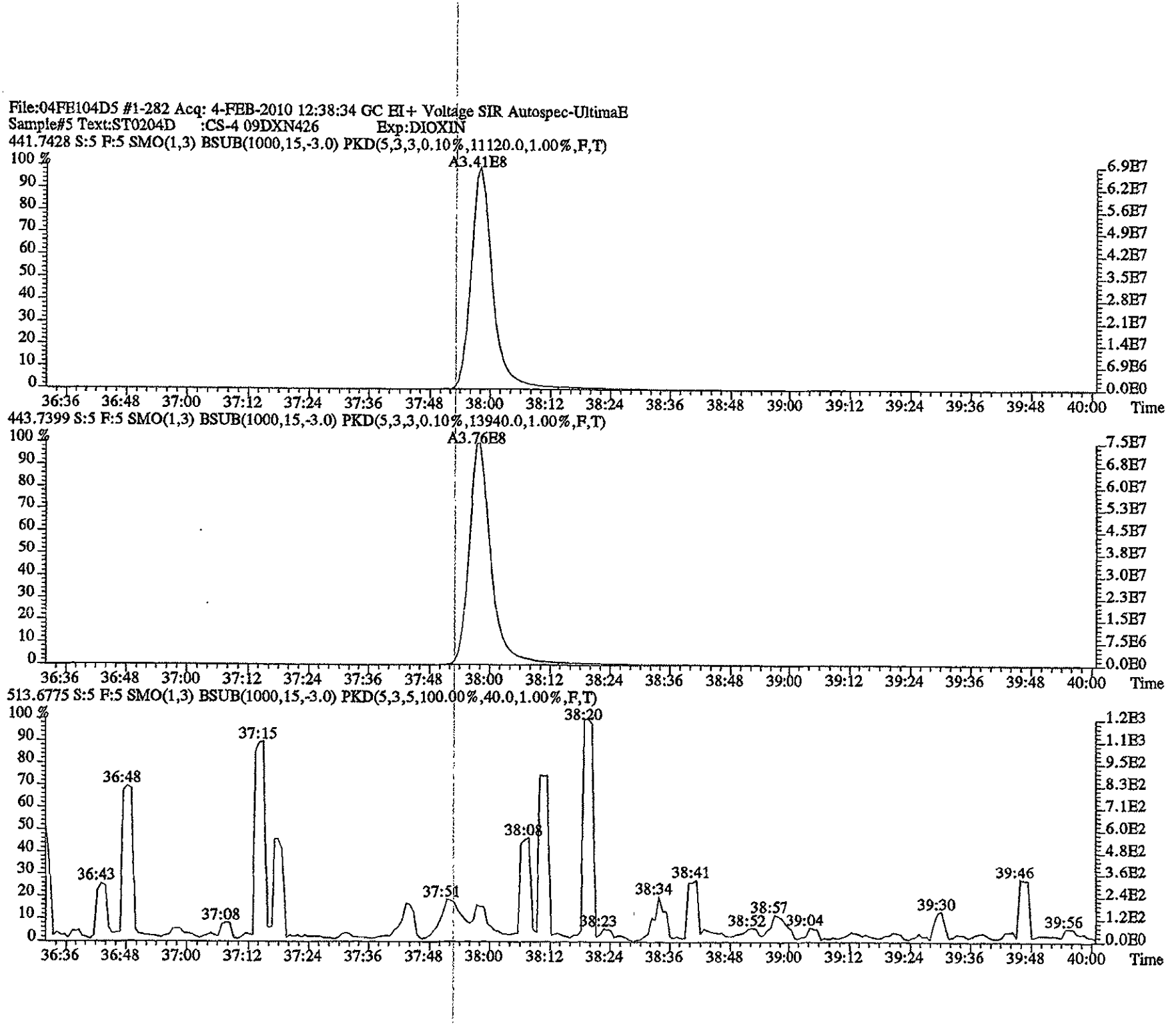


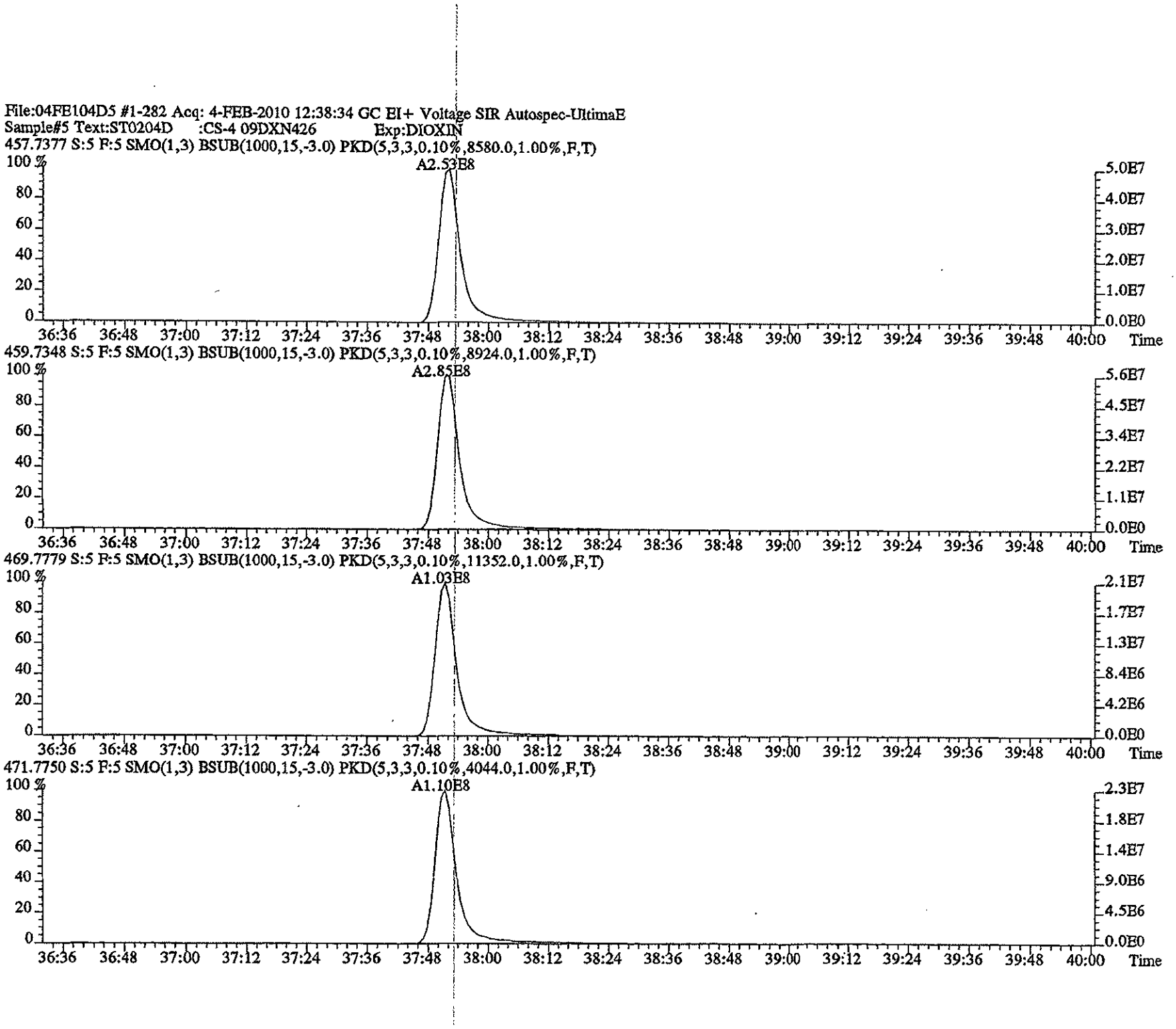
File:04FE104D5 #1-198 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN

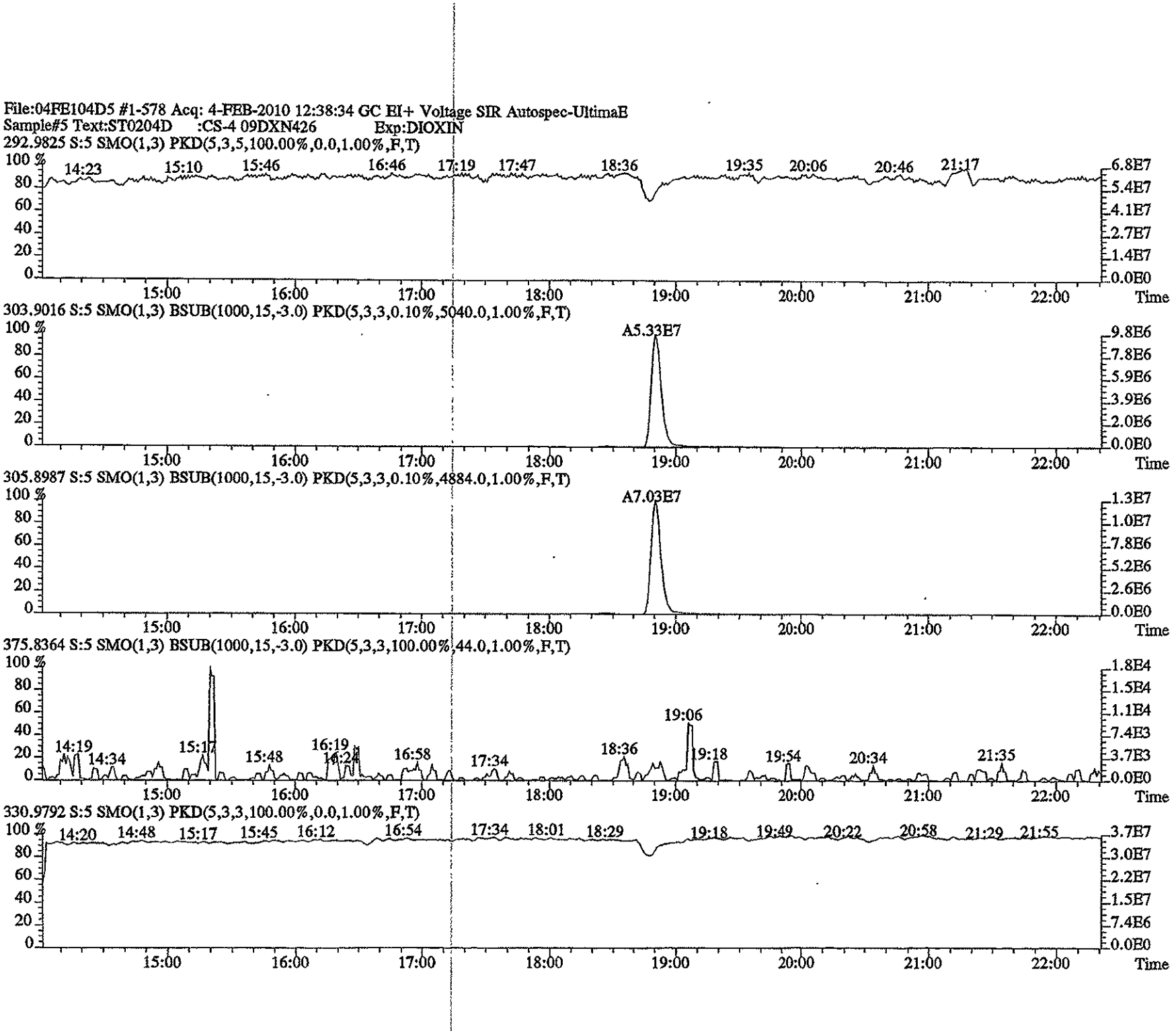


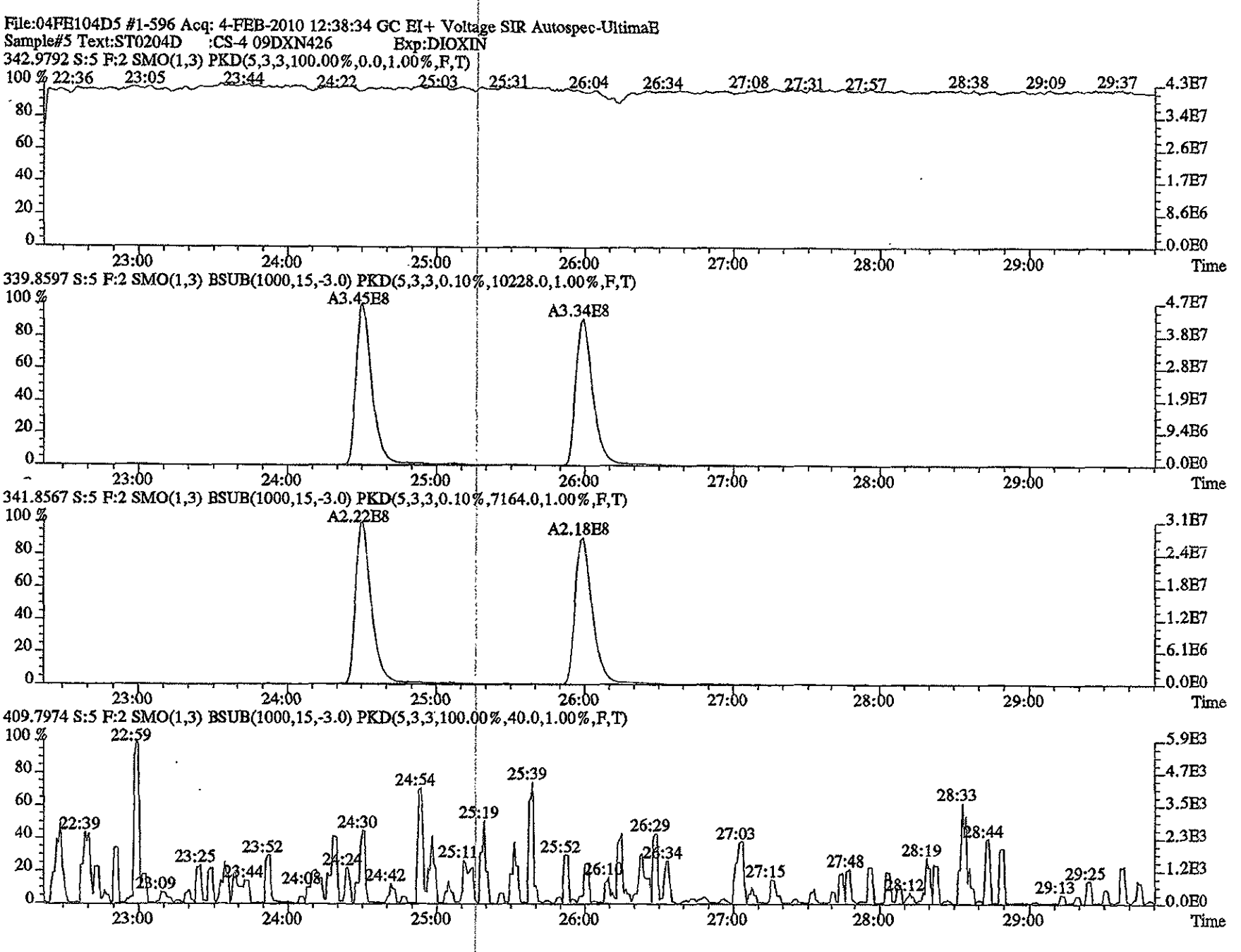
File:04FE104D5 #1-198 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN



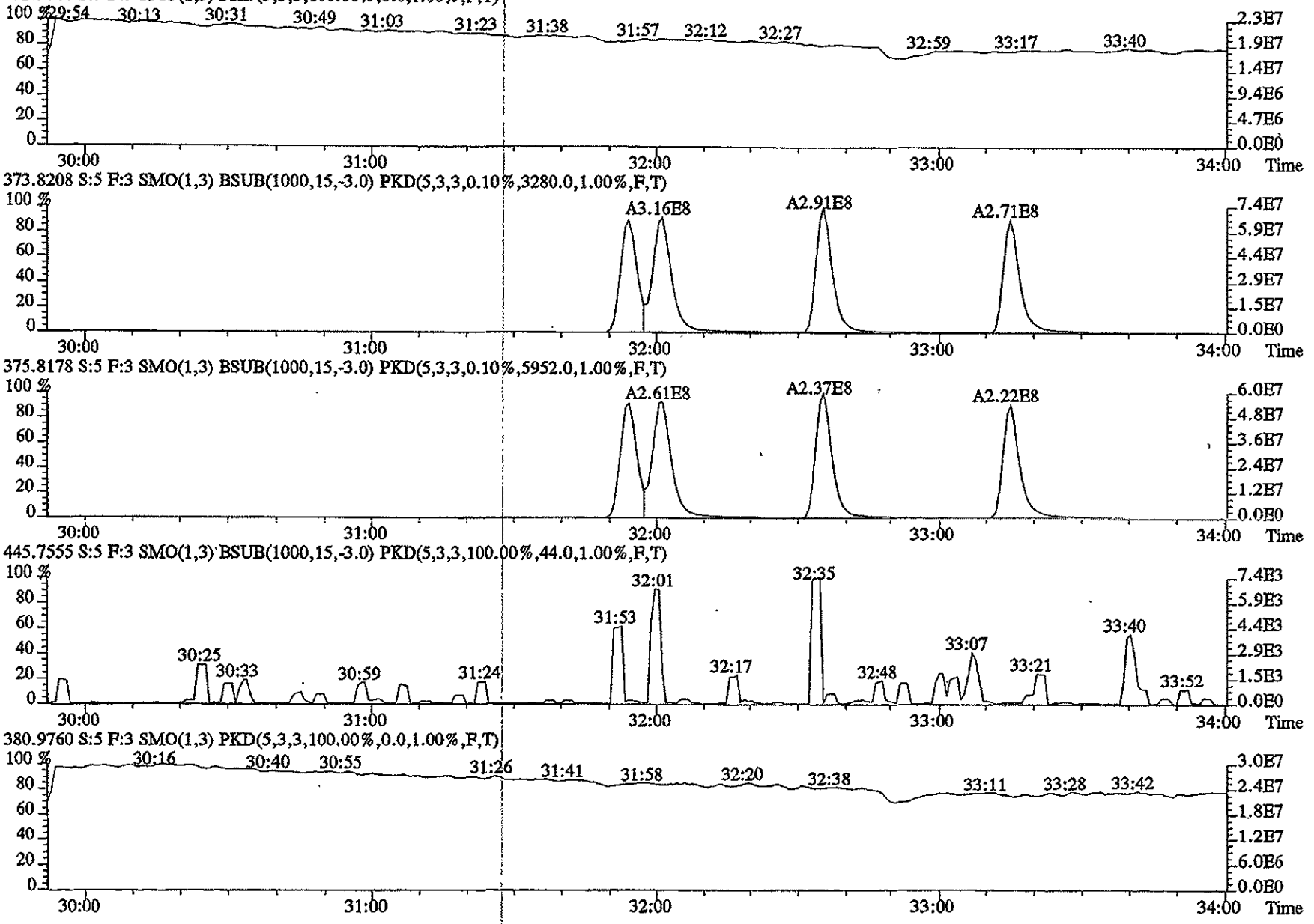


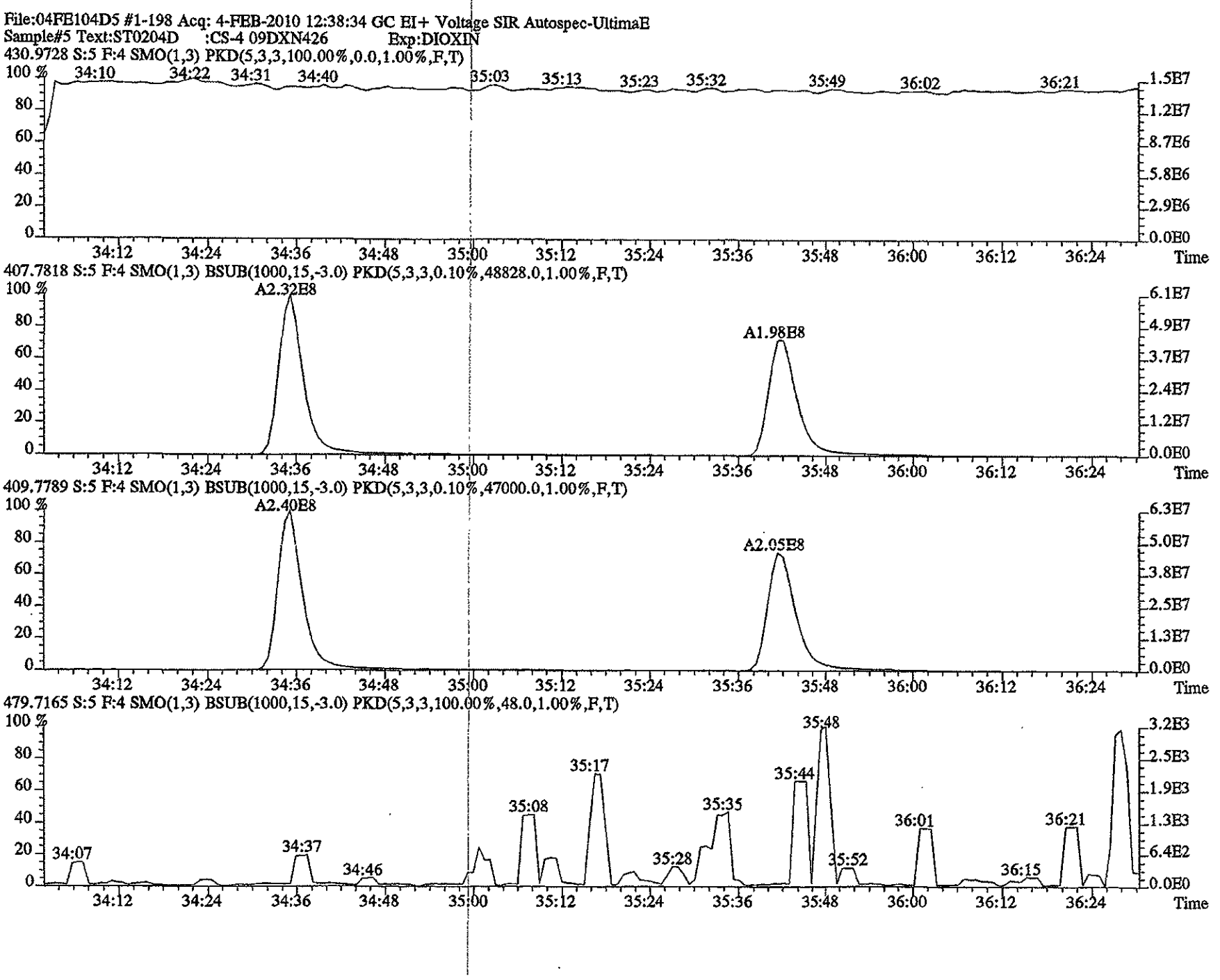


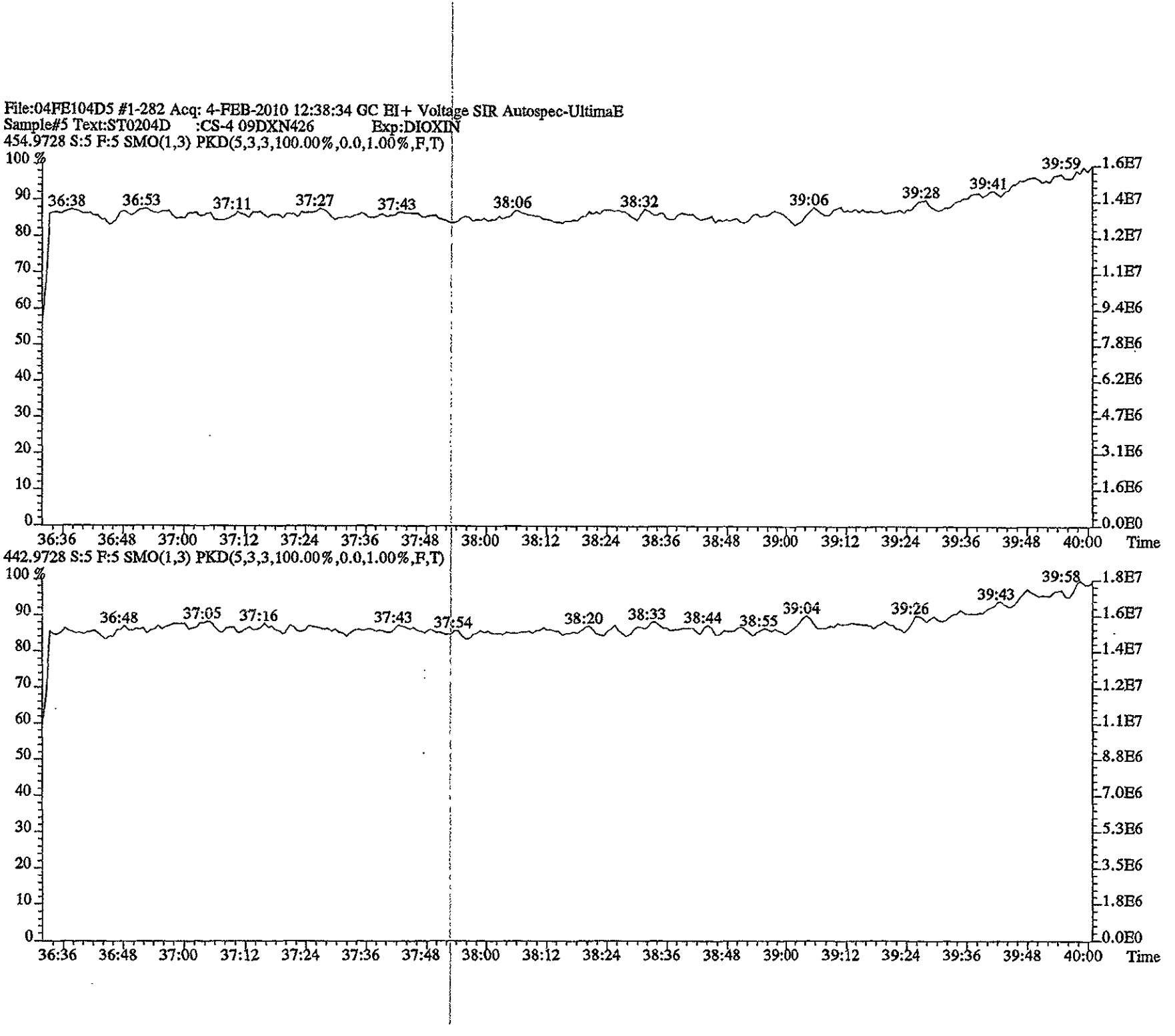

File:04FB104D5 #1-578 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN
292.9825 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5040.0,1.00%,F,T)
A5.33E7
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4884.0,1.00%,F,T)
A7.03E7
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,44.0,1.00%,F,T)
330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

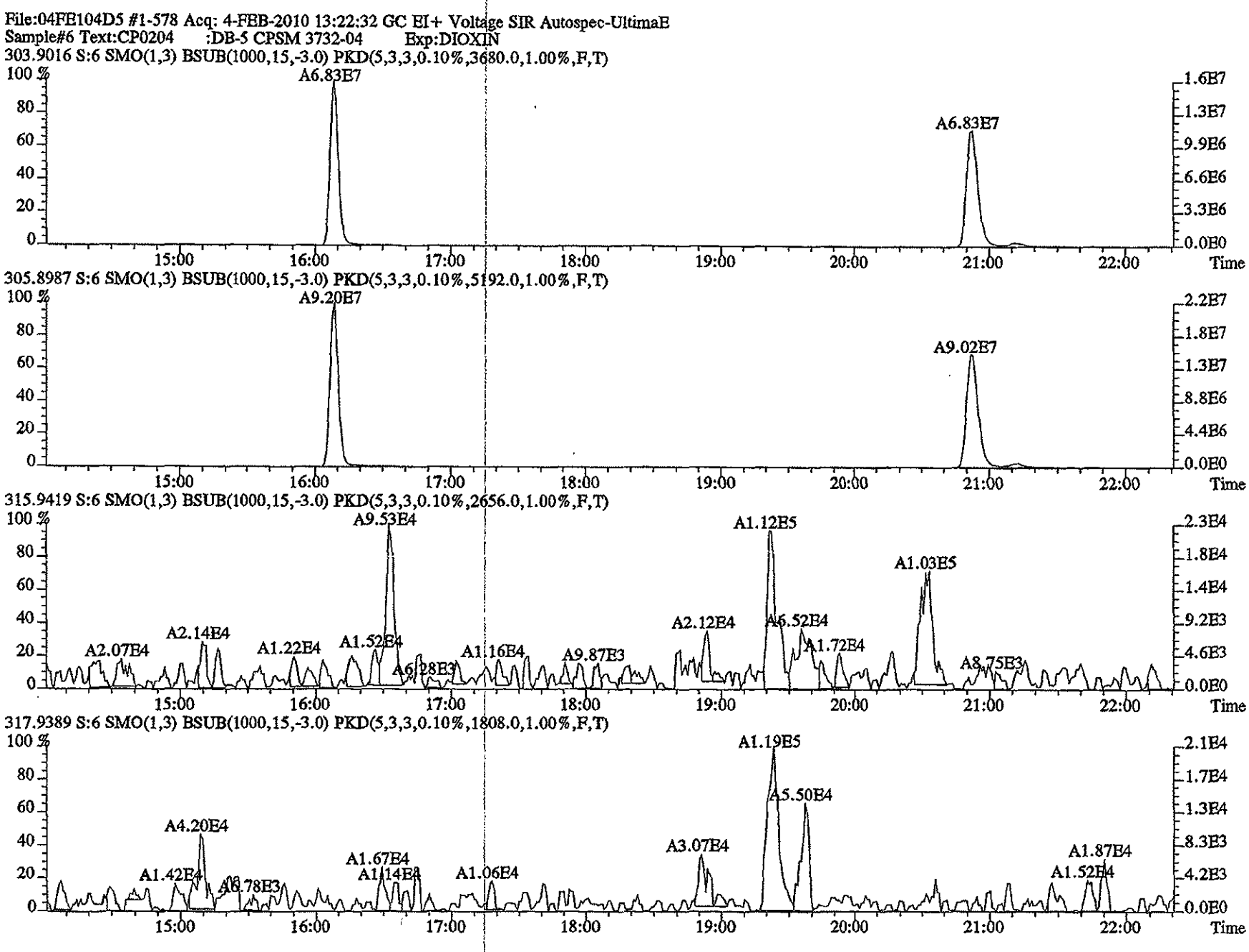


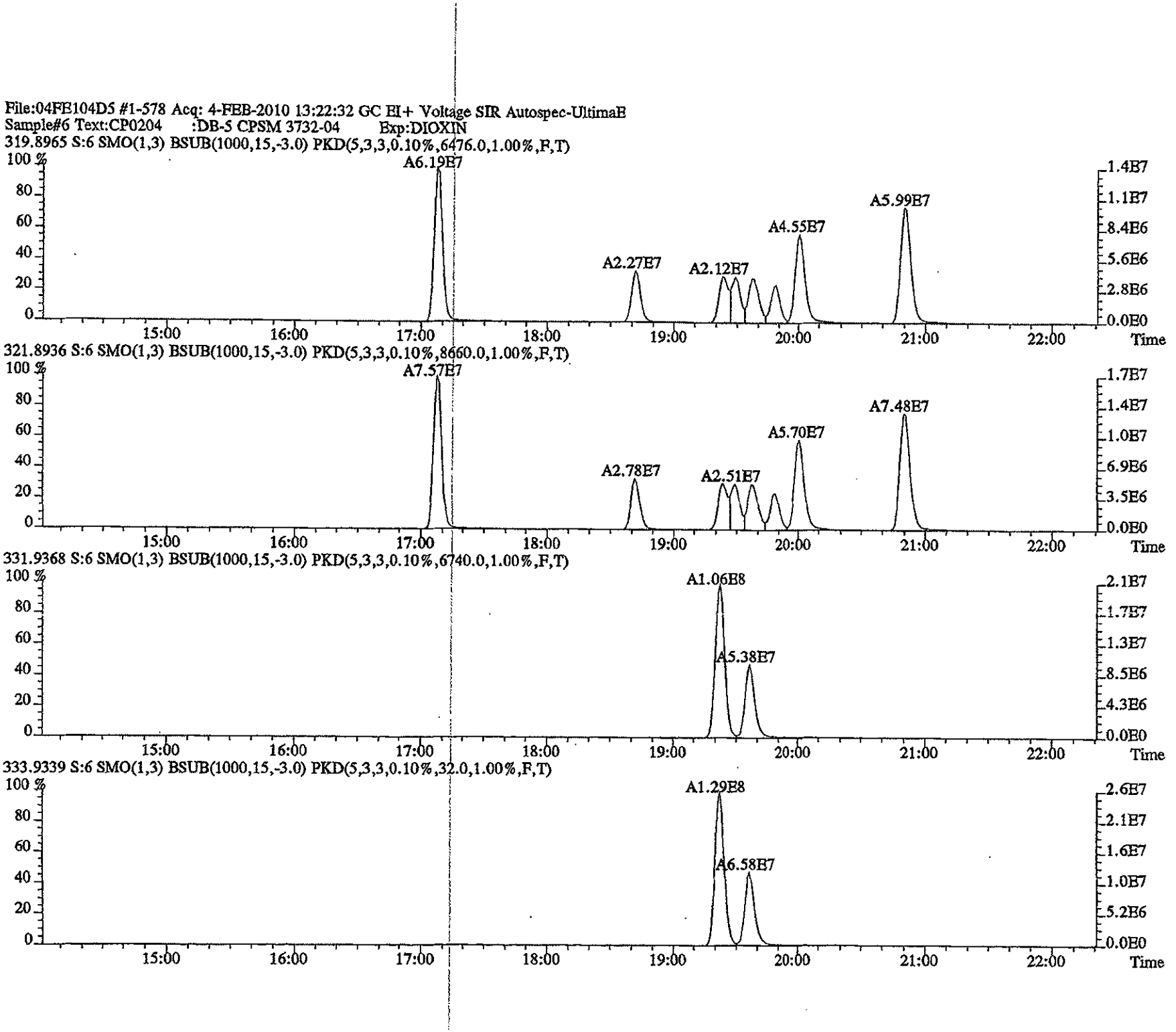
File:04FE104D5 #1-314 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN

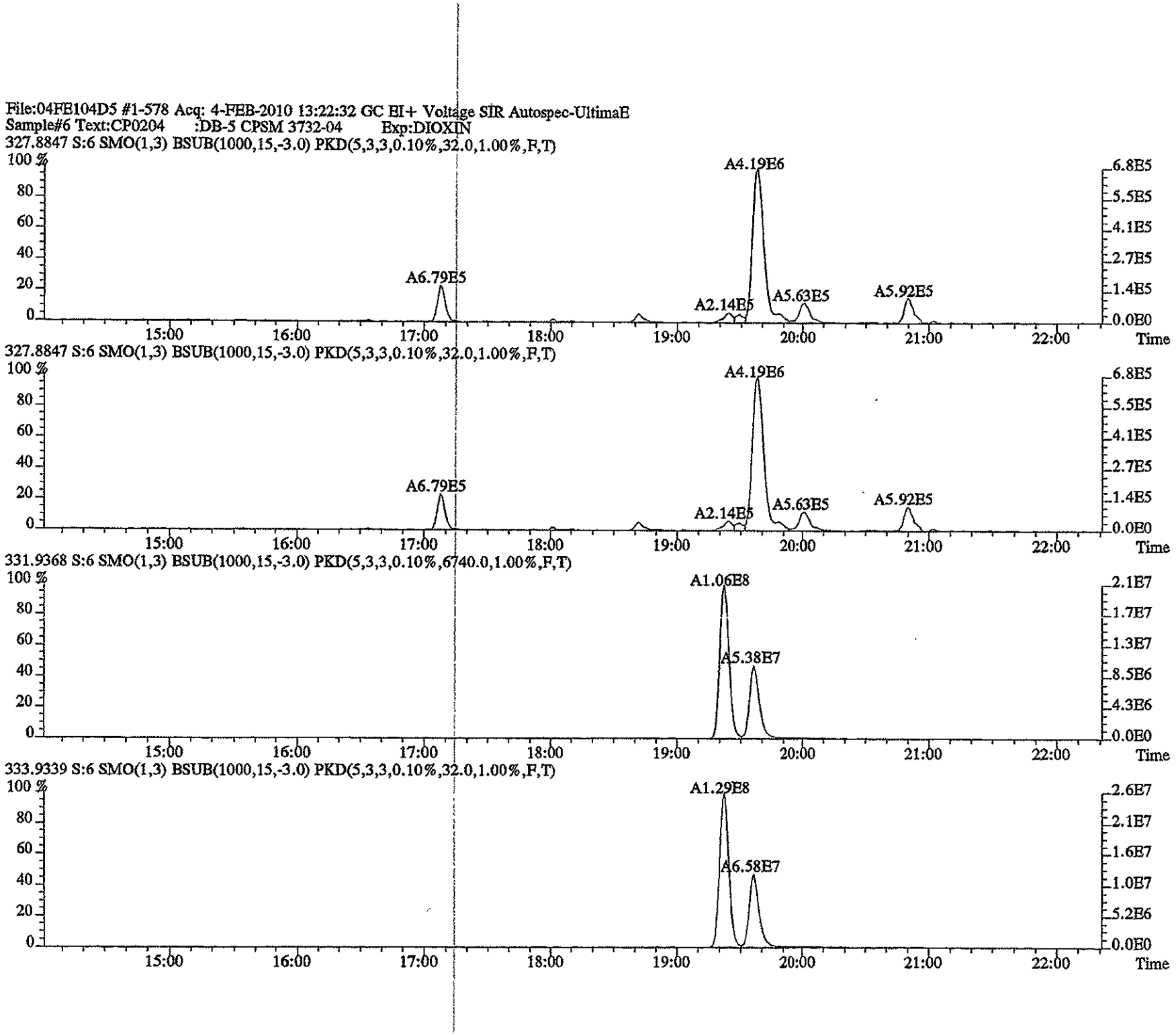





File:04FE104D5 #1-282 Acq: 4-FEB-2010 12:38:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0204D :CS-4 09DXN426 Exp:DIOXIN
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
36:38
36:53
37:11
37:27
37:43
38:06
38:32
39:06
39:28
39:41
39:59
1.6E7
1.4E7
1.2E7
1.1E7
9.4E6
7.8E6
6.2E6
4.7E6
3.1E6
1.6E6
0.0E0
36:36
36:48
37:00
37:12
37:24
37:36
37:48
38:00
38:12
38:24
38:36
38:48
39:00
39:12
39:24
39:36
39:48
40:00
Time
442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
36:48
37:05
37:16
37:43
37:54
38:20
38:33
38:44
38:55
39:04
39:26
39:43
39:58
1.8E7
1.6E7
1.4E7
1.2E7
1.1E7
8.8E6
7.0E6
5.3E6
3.5E6
1.8E6
0.0E0
36:36
36:48
37:00
37:12
37:24
37:36
37:48
38:00
38:12
38:24
38:36
38:48
39:00
39:12
39:24
39:36
39:48
40:00
Time

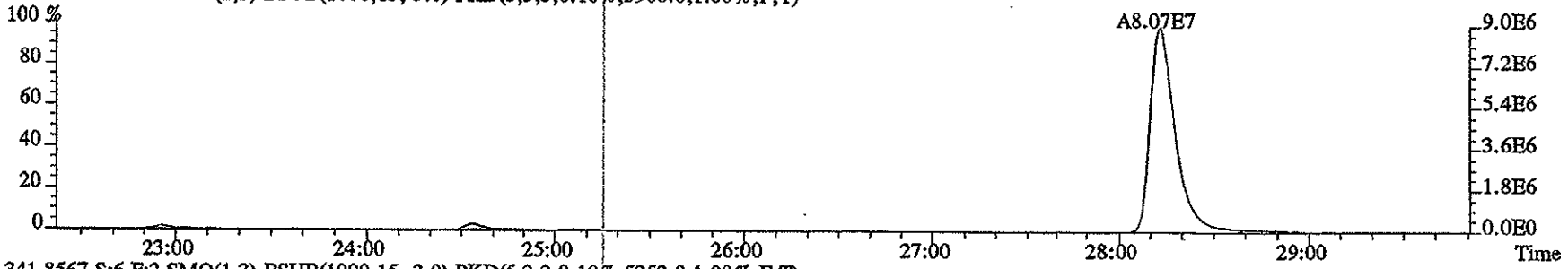




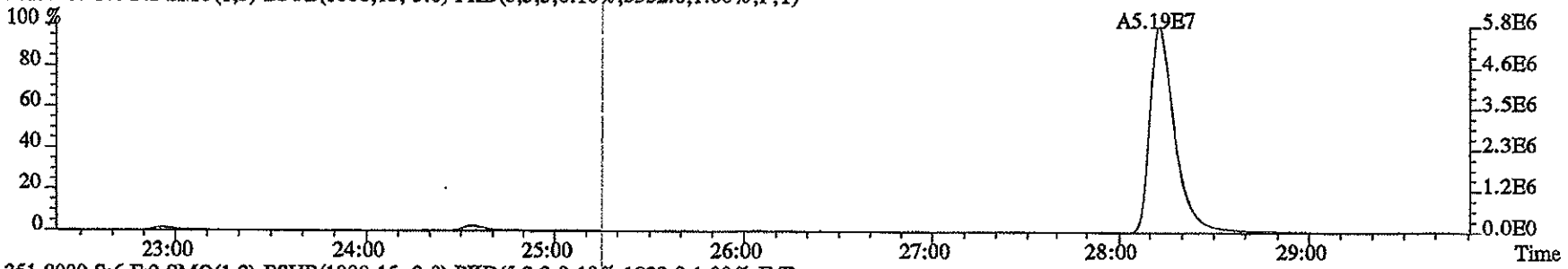


File:04FE104D5 #1-596 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN

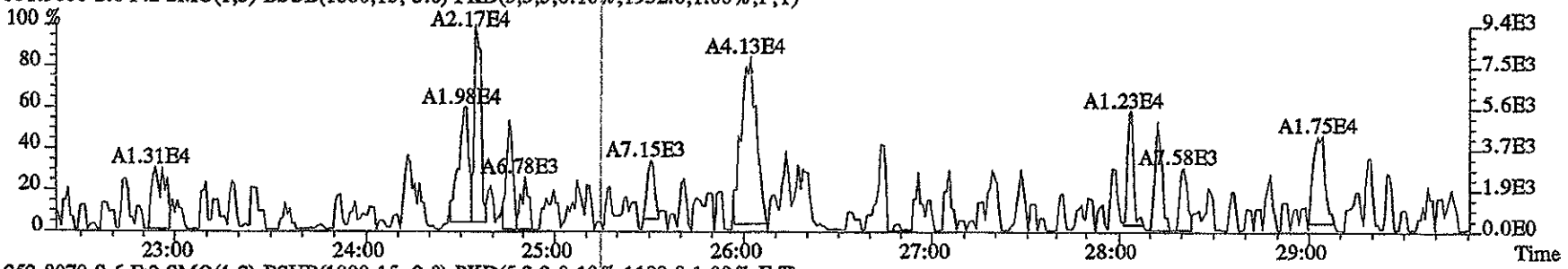
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5900.0,1.00%,F,T)



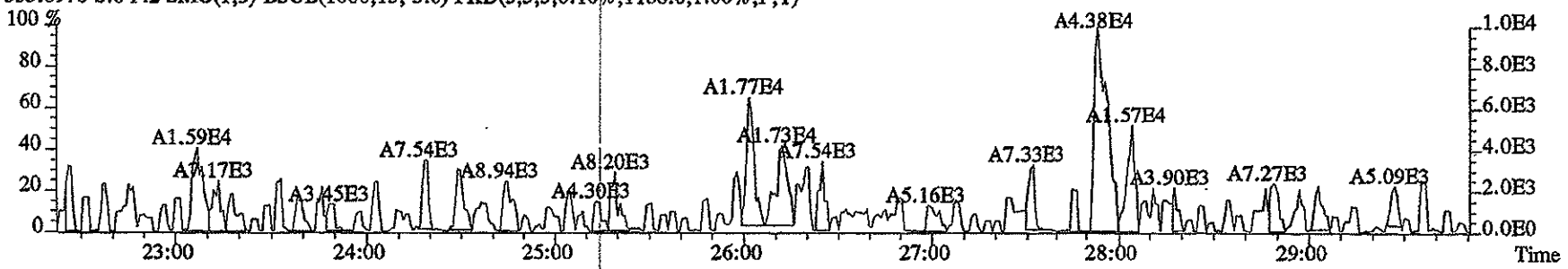
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5352.0,1.00%,F,T)

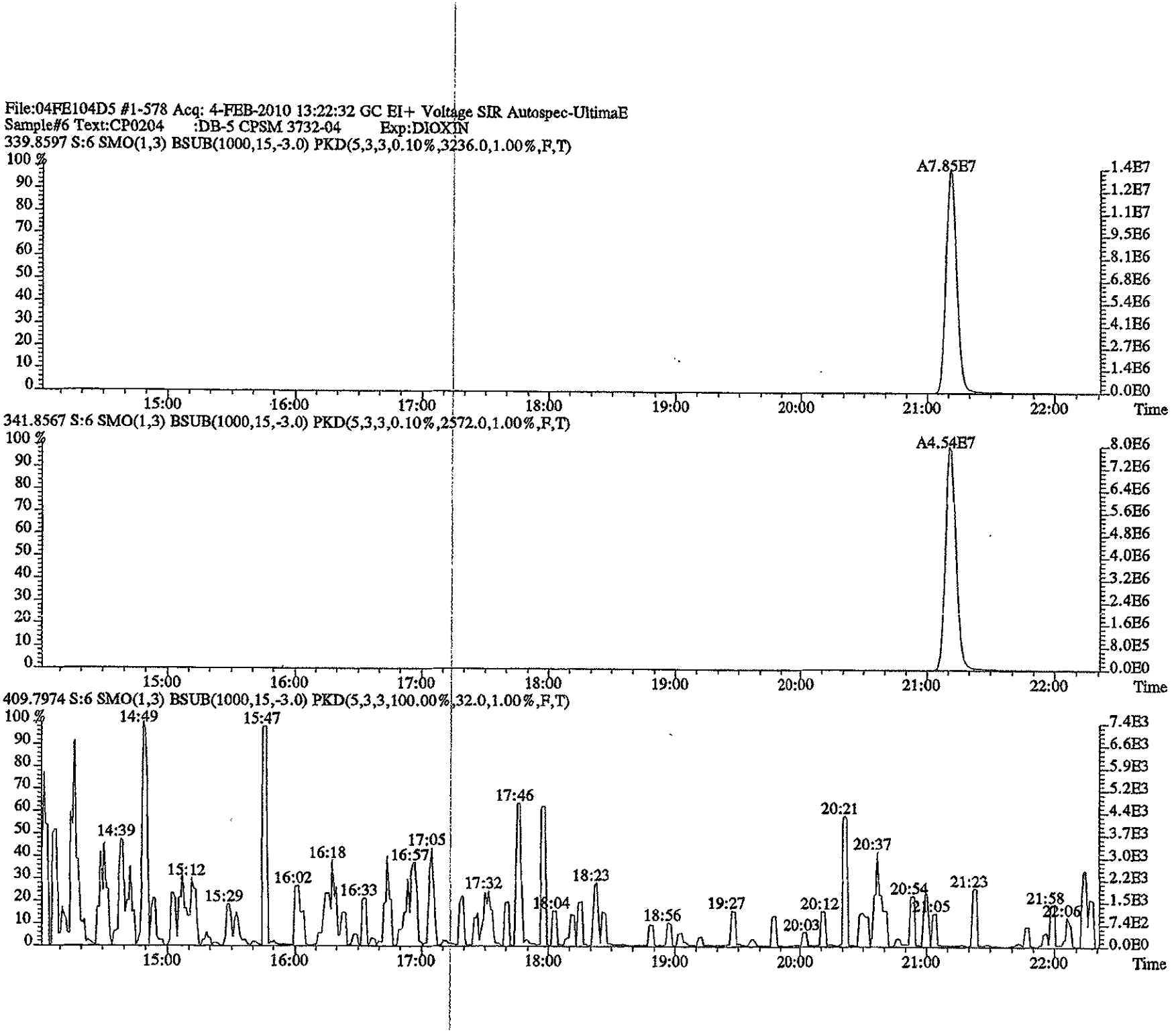


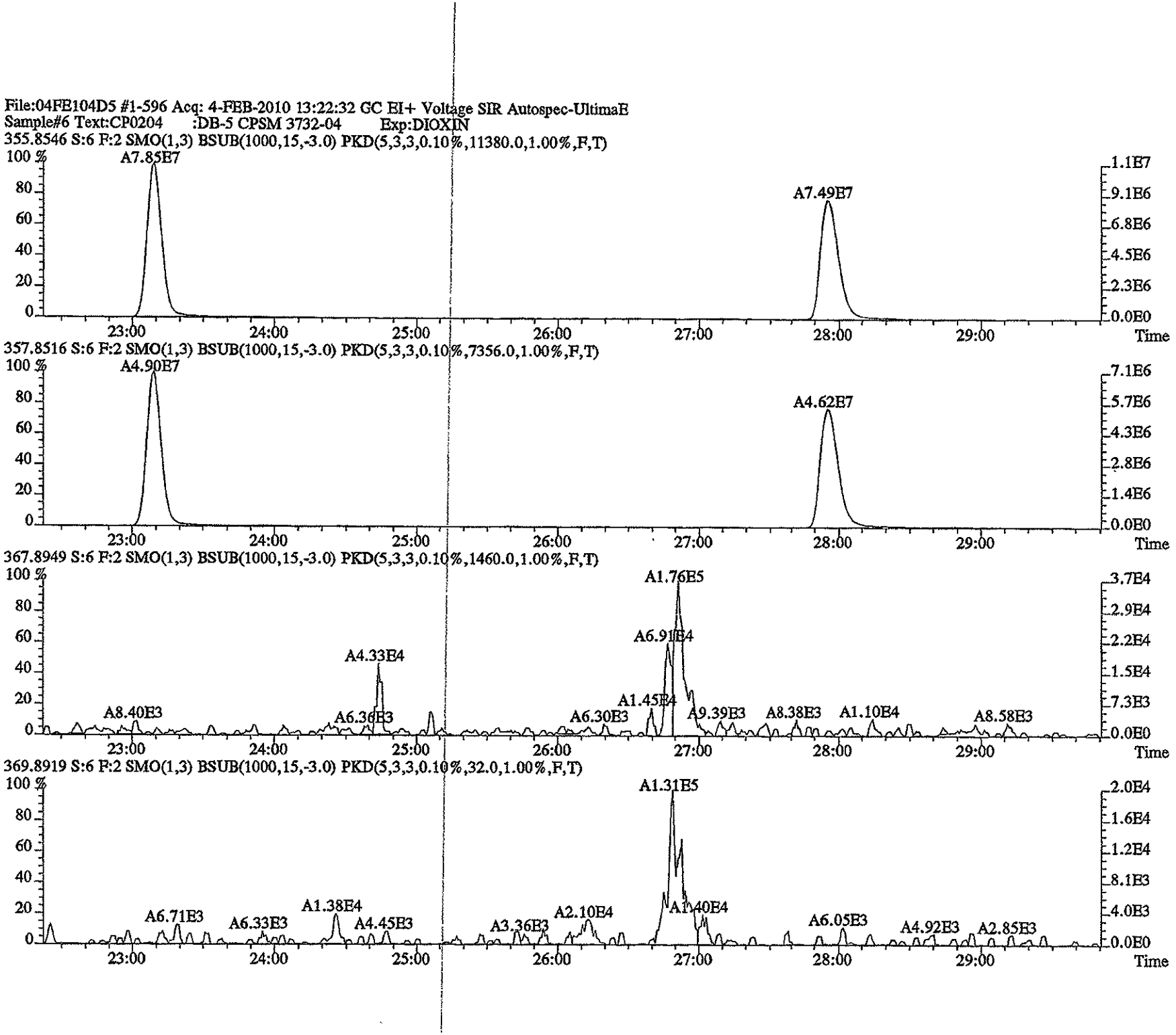
351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1932.0,1.00%,F,T)



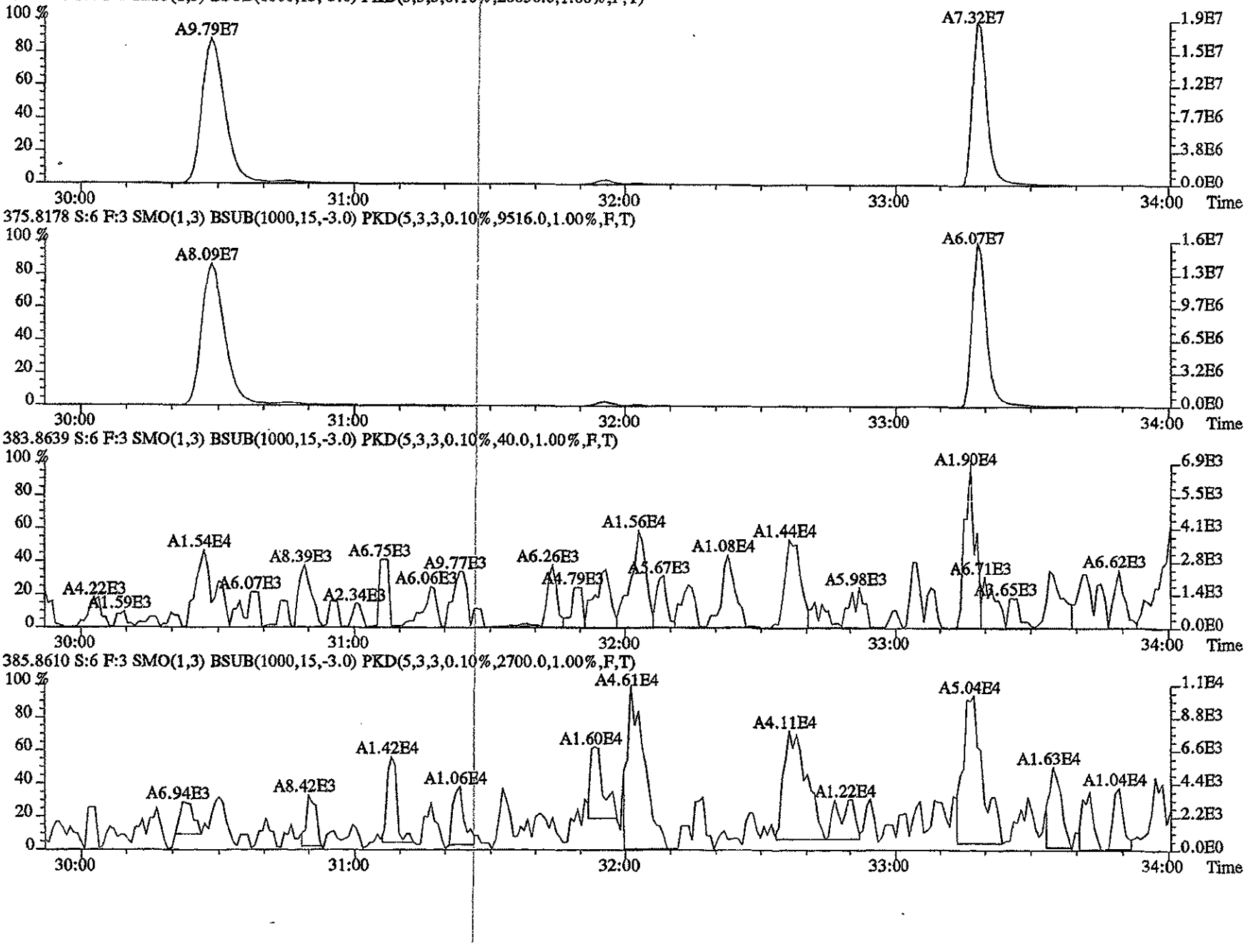
353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1188.0,1.00%,F,T)

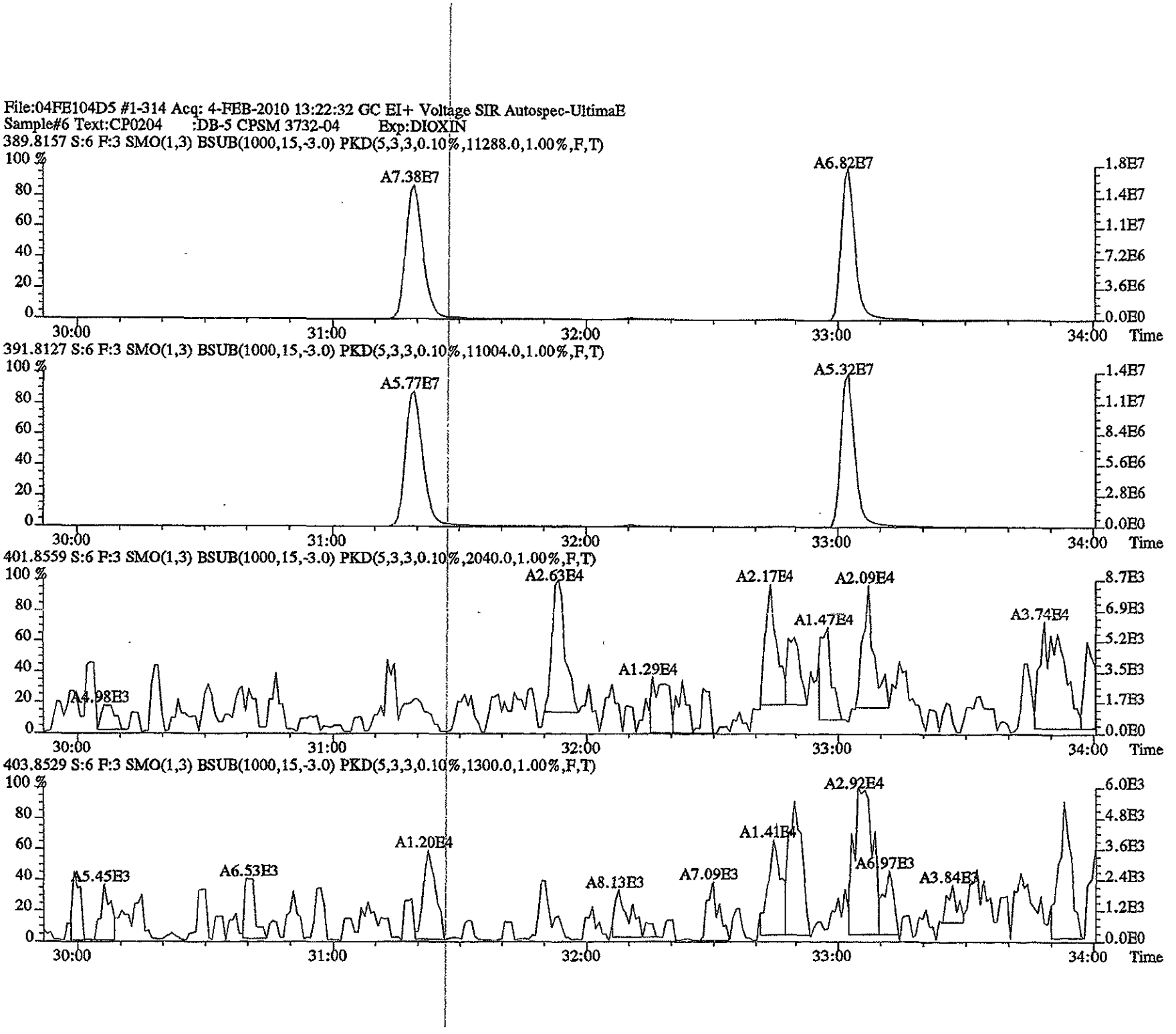



File:04FE104D5 #1-578 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN
339.8597 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3236.0,1.00%,F,T)
A7.85E7
341.8567 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2572.0,1.00%,F,T)
A4.54E7
409.7974 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,32.0,1.00%,F,T)
14:49
15:47
14:39
15:12
15:29
16:02
16:18
16:33
16:57
17:05
17:32
17:46
18:04
18:23
18:56
19:27
20:03
20:12
20:21
20:37
20:54
21:05
21:23
21:58
22:06
Time

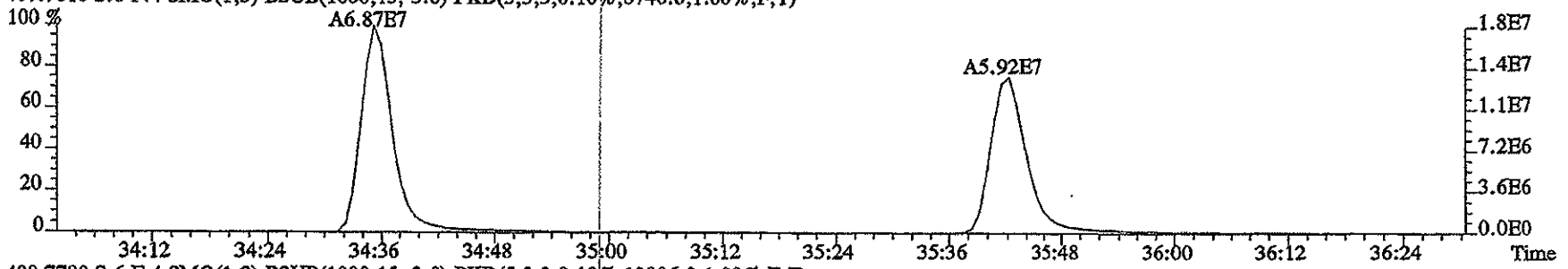


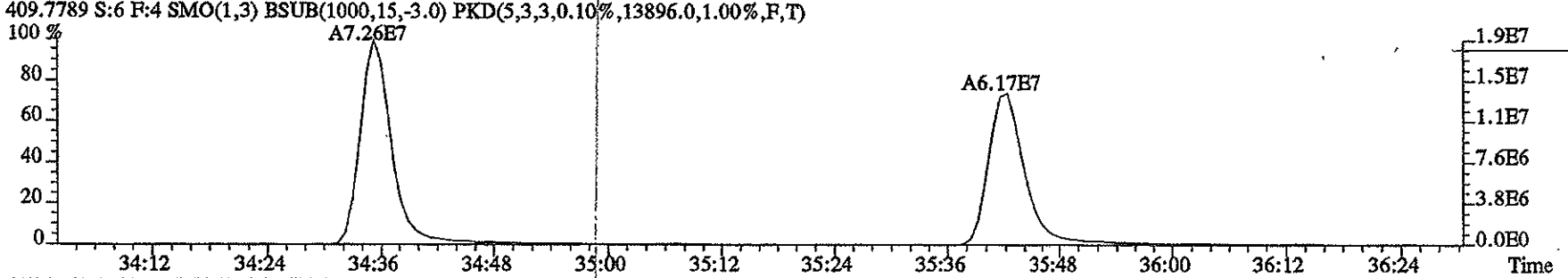
File:04FEB104D5 #1-314 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN

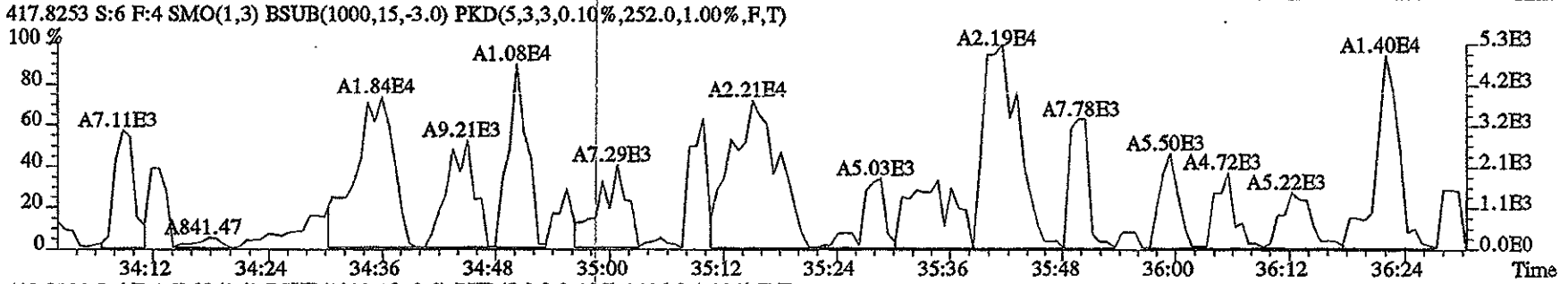


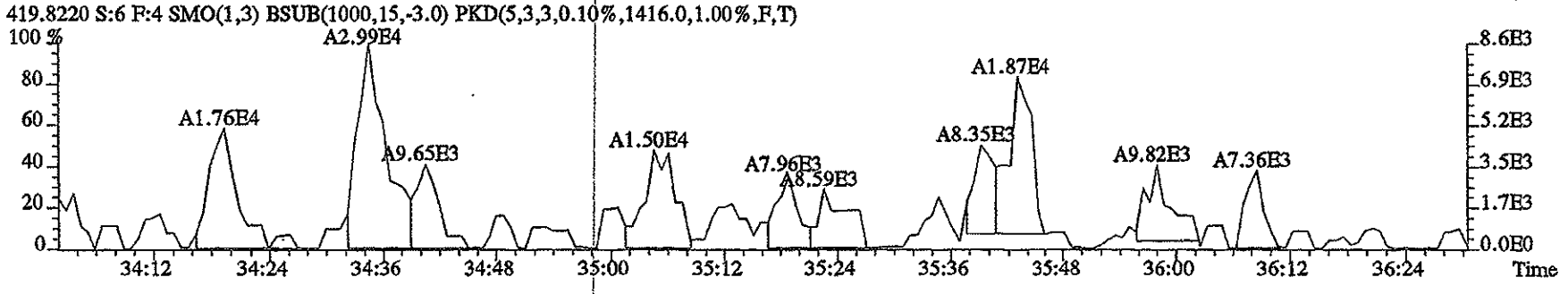

File:04FE104D5 #1-314 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11288.0,1.00%,F,T)
A7.38E7
A6.82E7
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11004.0,1.00%,F,T)
A5.77E7
A5.32E7
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2040.0,1.00%,F,T)
A2.63E4
A2.17E4
A2.09E4
A1.47E4
A3.74E4
A1.29E4
A4.98E3
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1300.0,1.00%,F,T)
A2.92E4
A1.41E4
A1.20E4
A6.97E3
A3.84E4
A5.45E3
A6.53E3
A8.13E3
A7.09E3
100 %
80
60
40
20
0
30:00
31:00
32:00
33:00
34:00
Time
1.8E7
1.4E7
1.1E7
7.2E6
3.6E6
0.0E0
8.7E3
6.9E3
5.2E3
3.5E3
1.7E3
6.0E3
4.8E3
3.6E3
2.4E3
1.2E3

File:04FE104D5 #1-198 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN

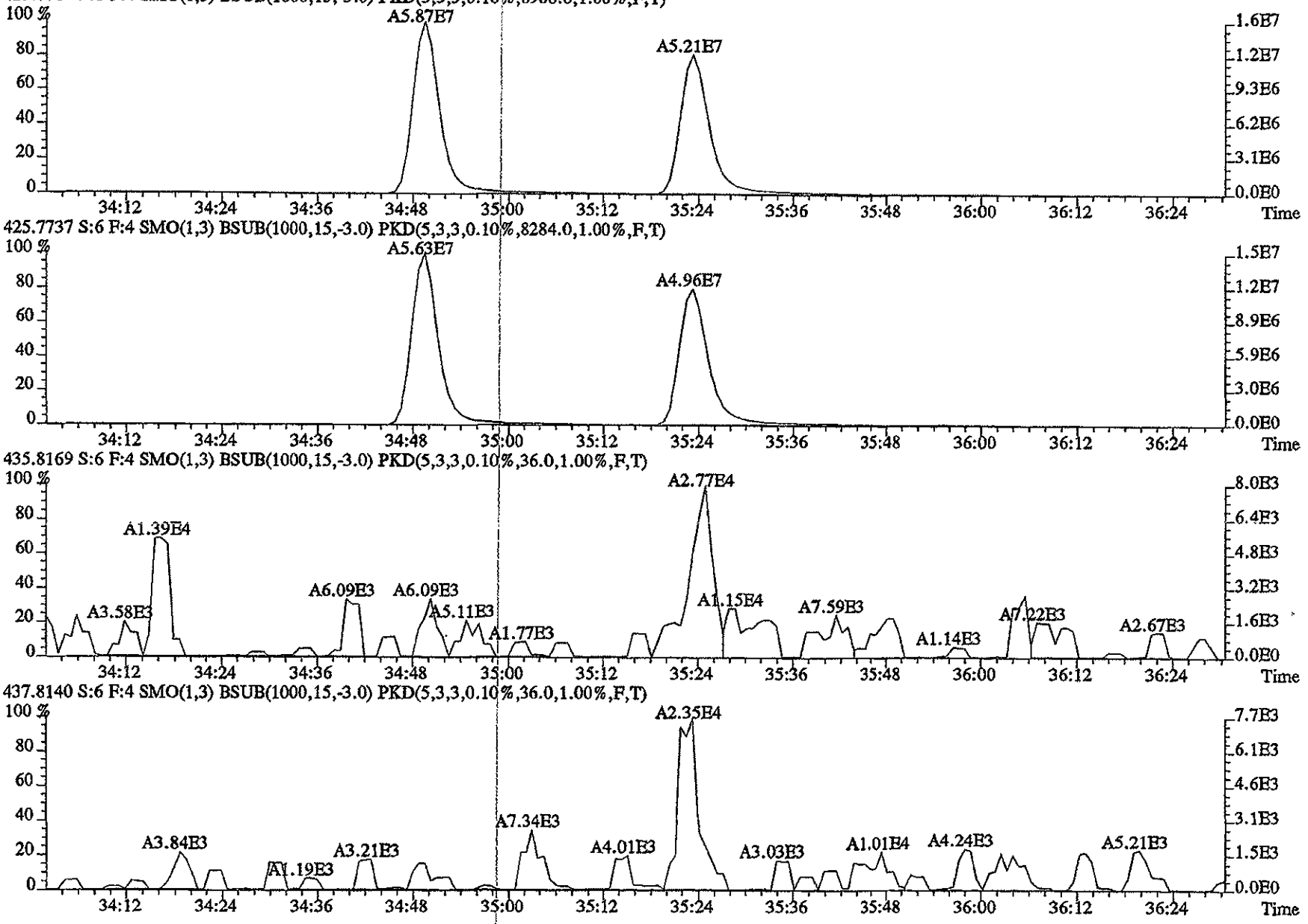


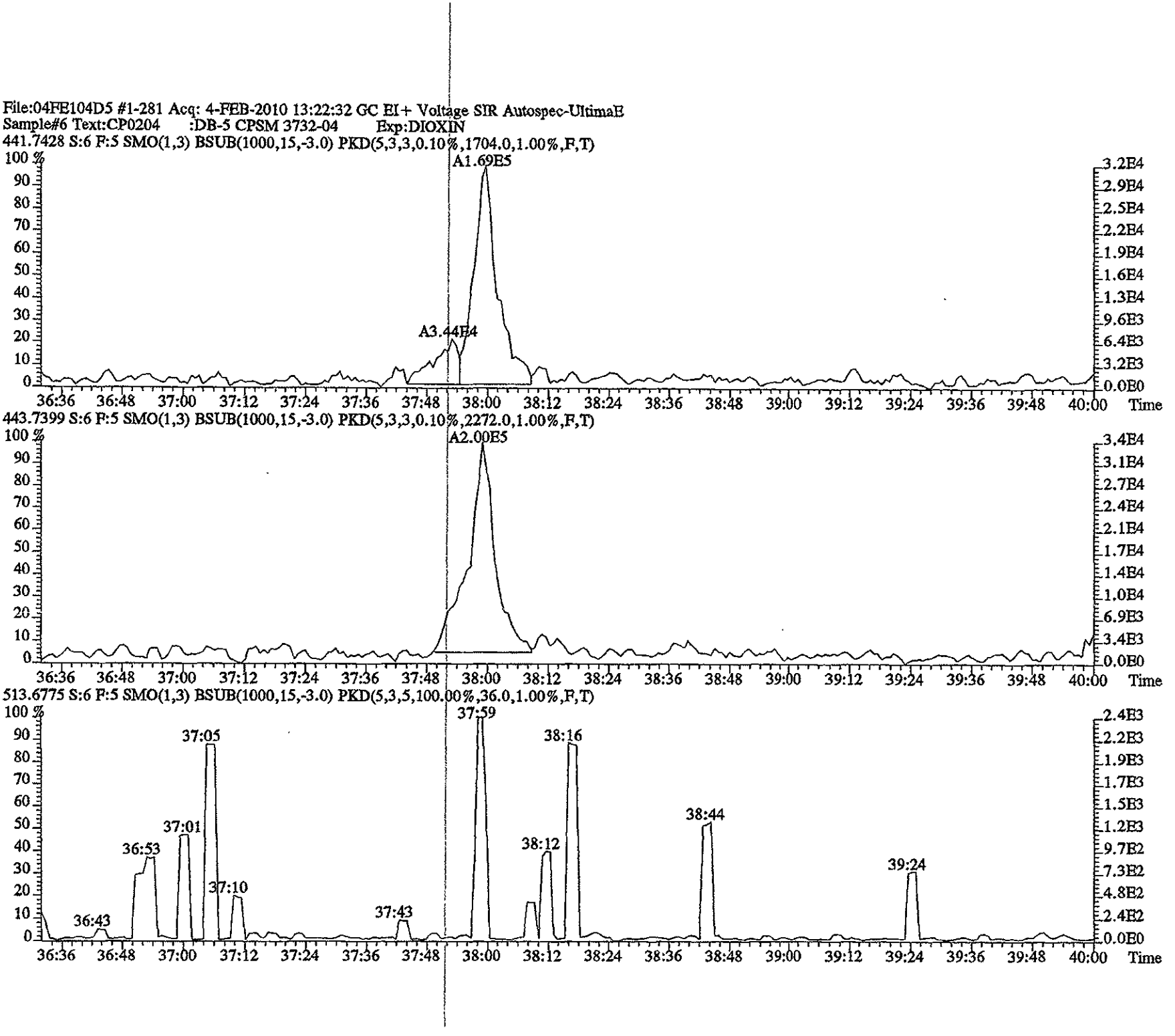


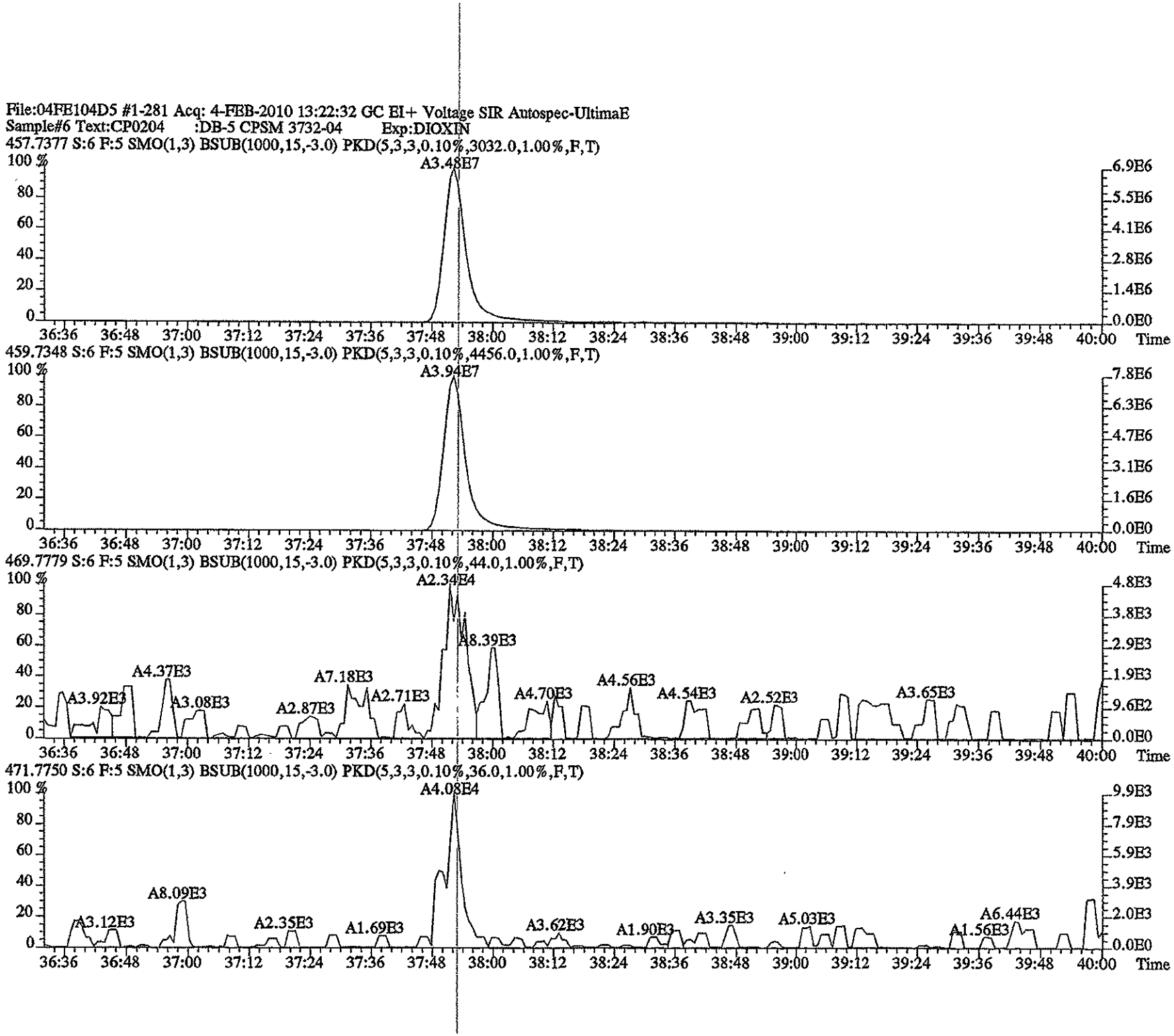


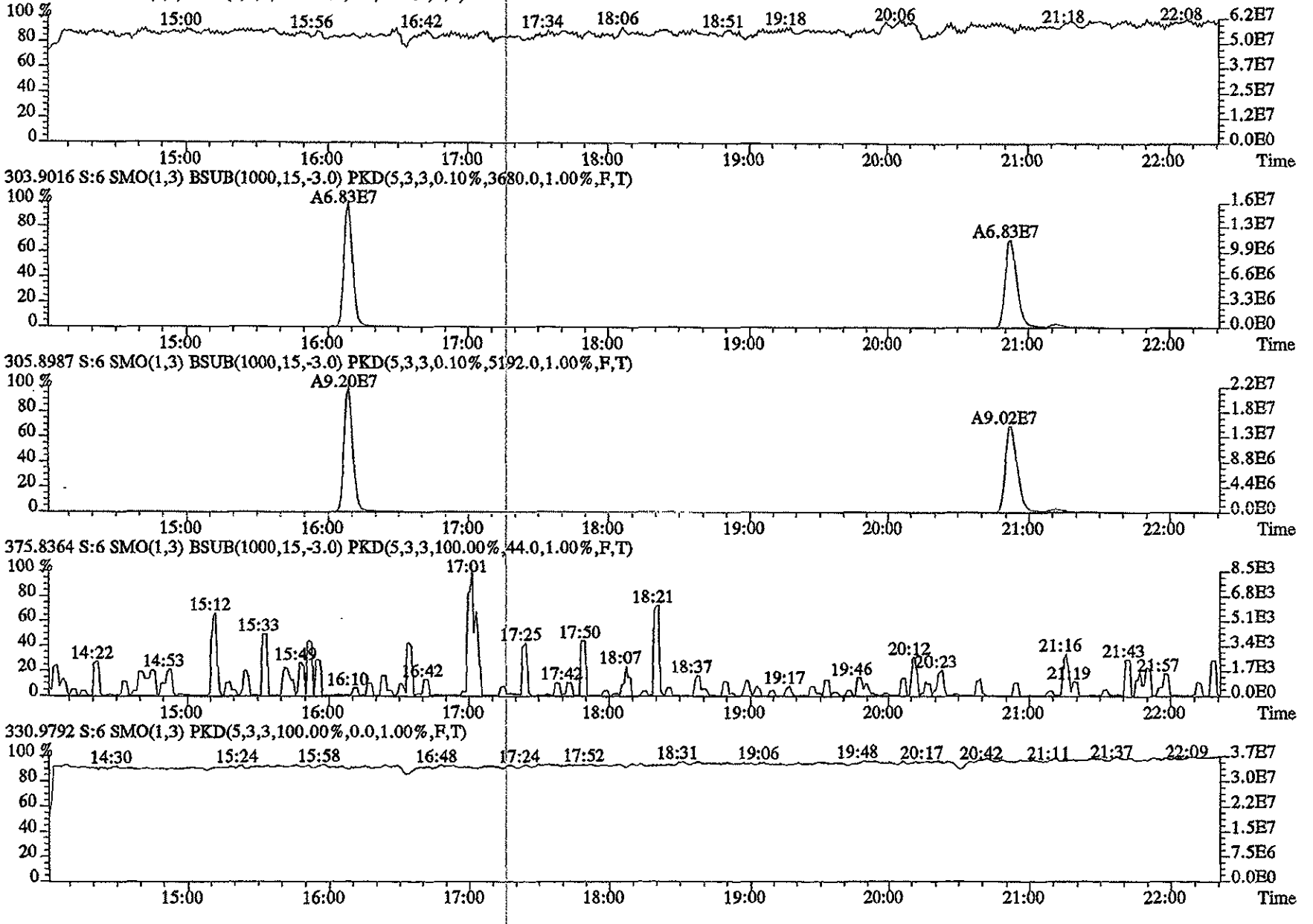


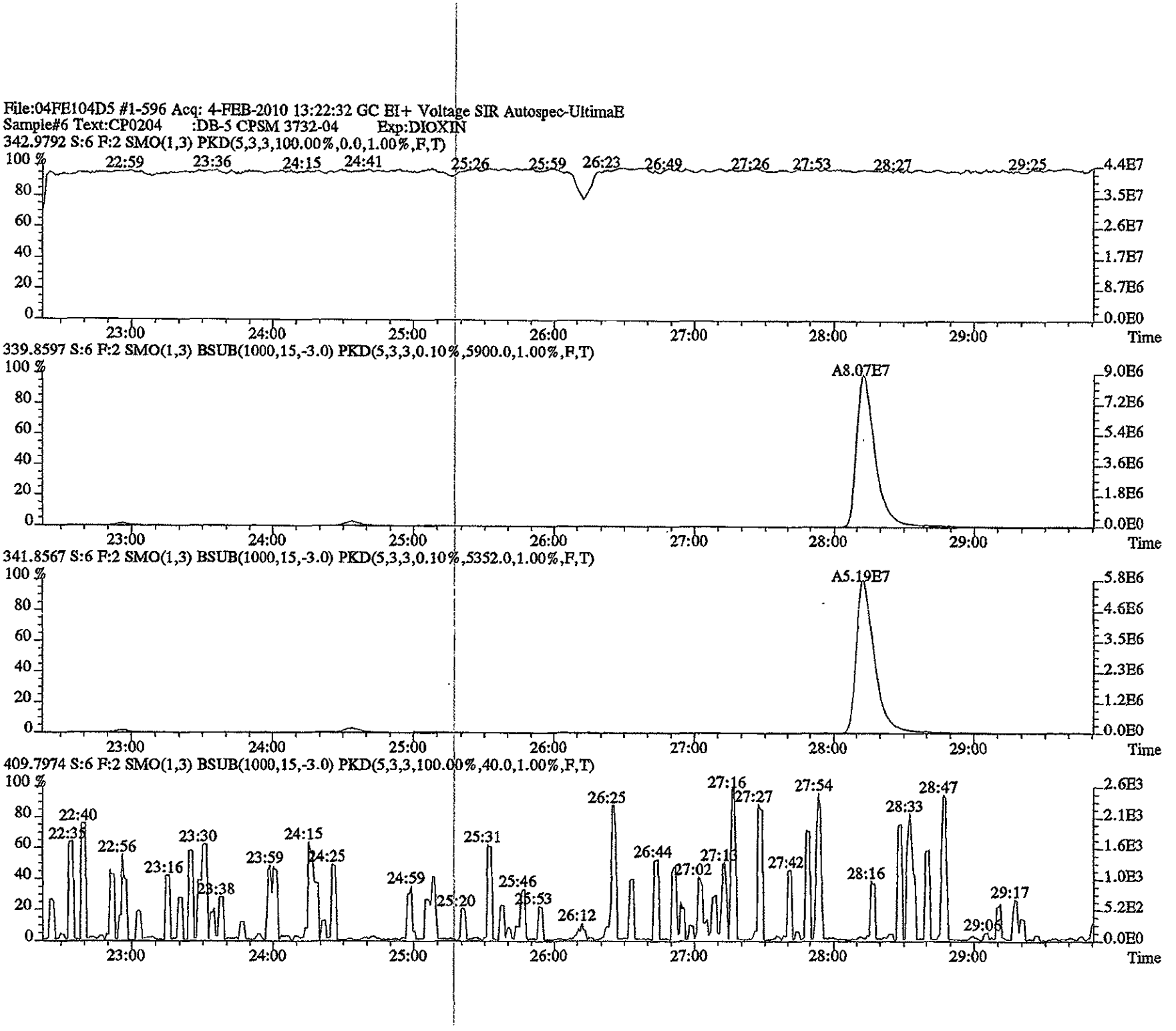
File:04FE104D5 #1-198 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN

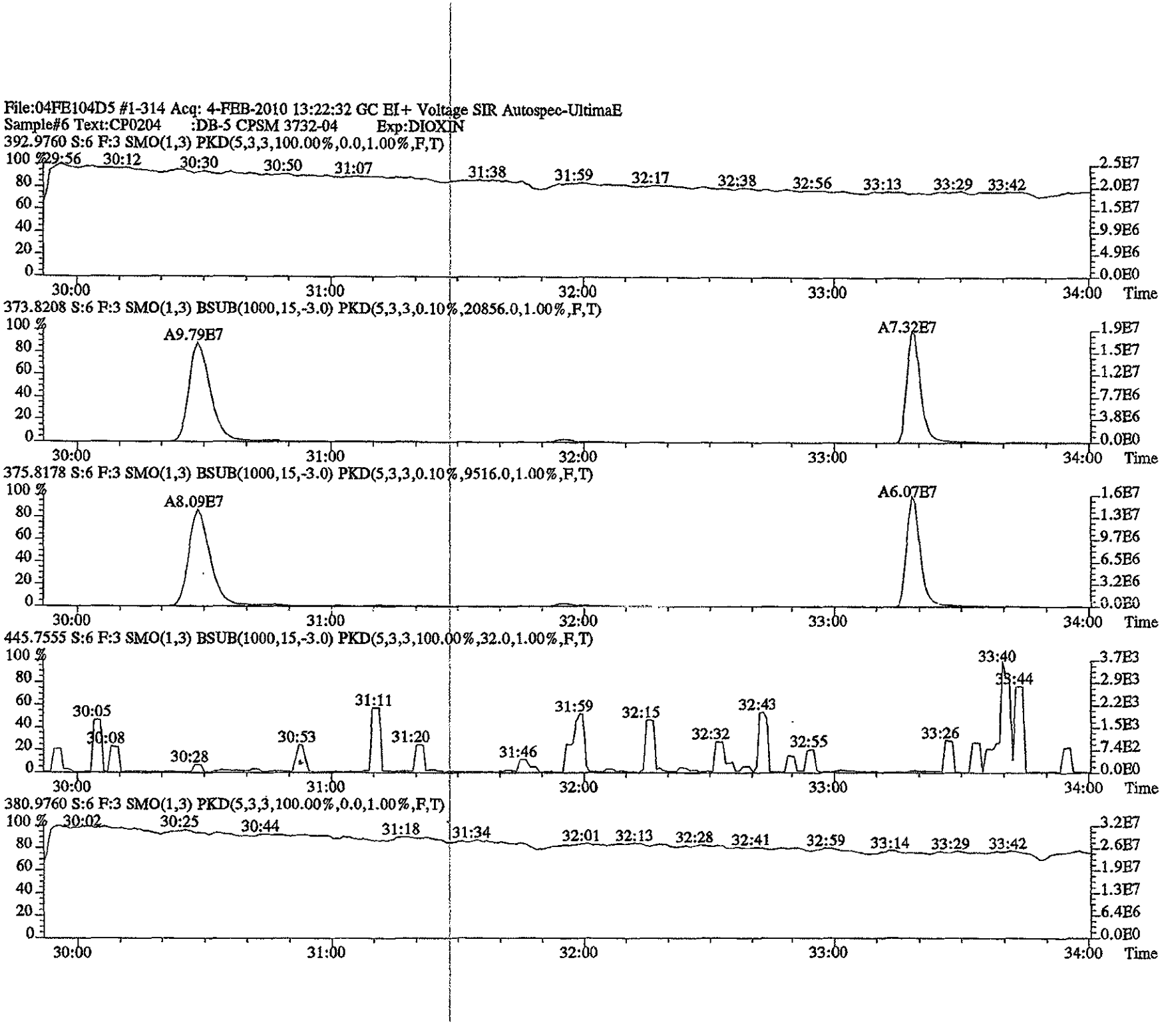


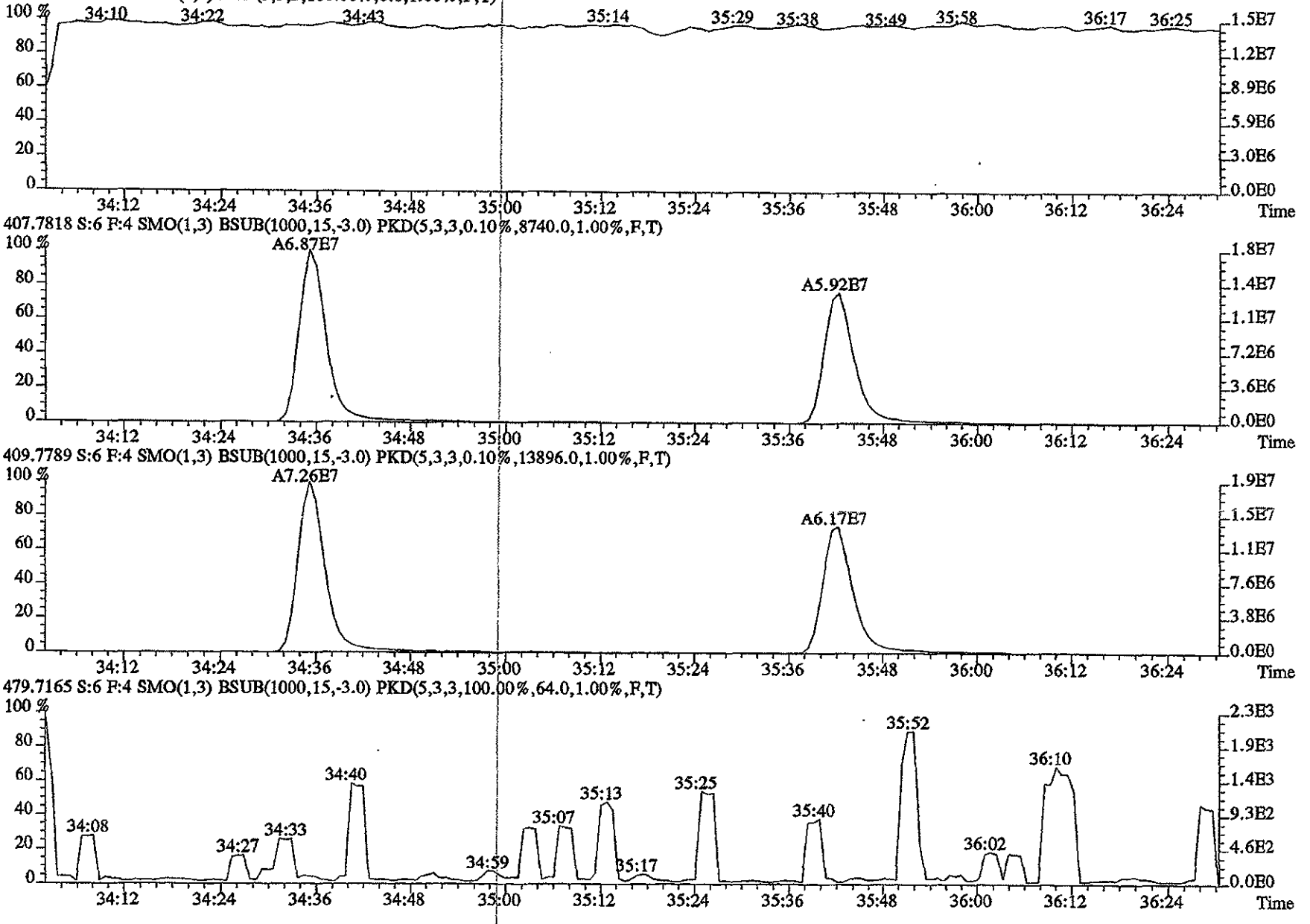


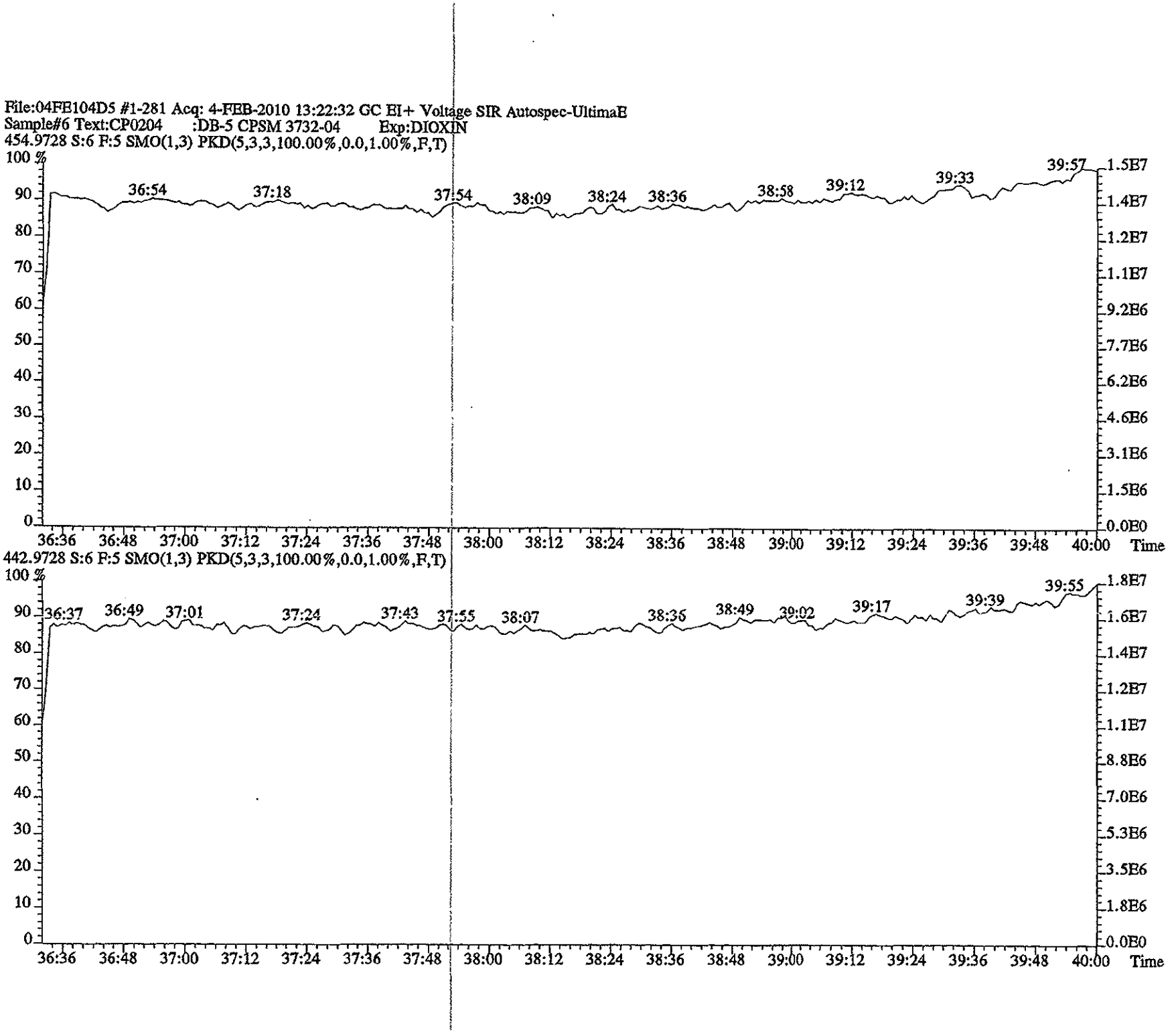


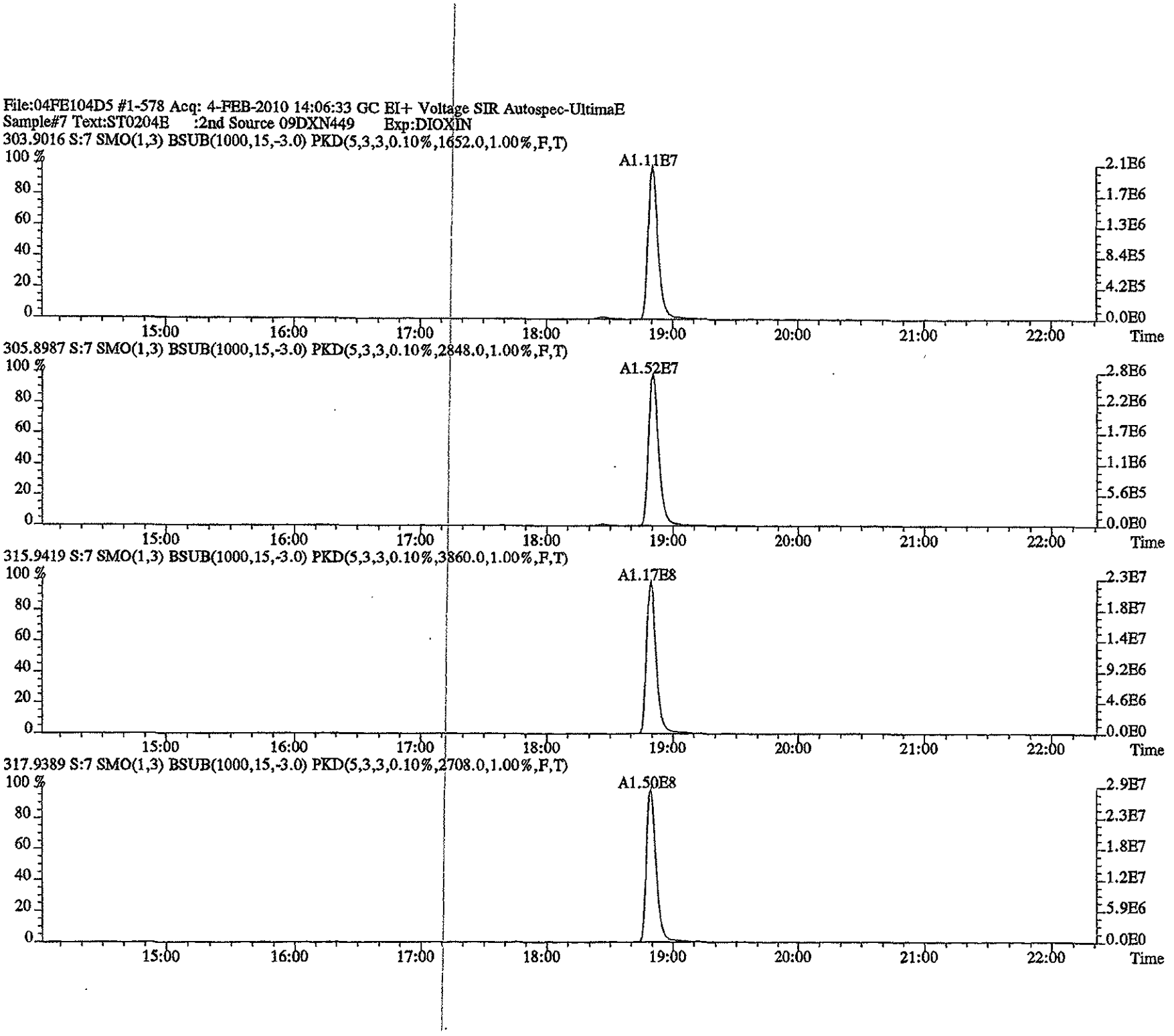


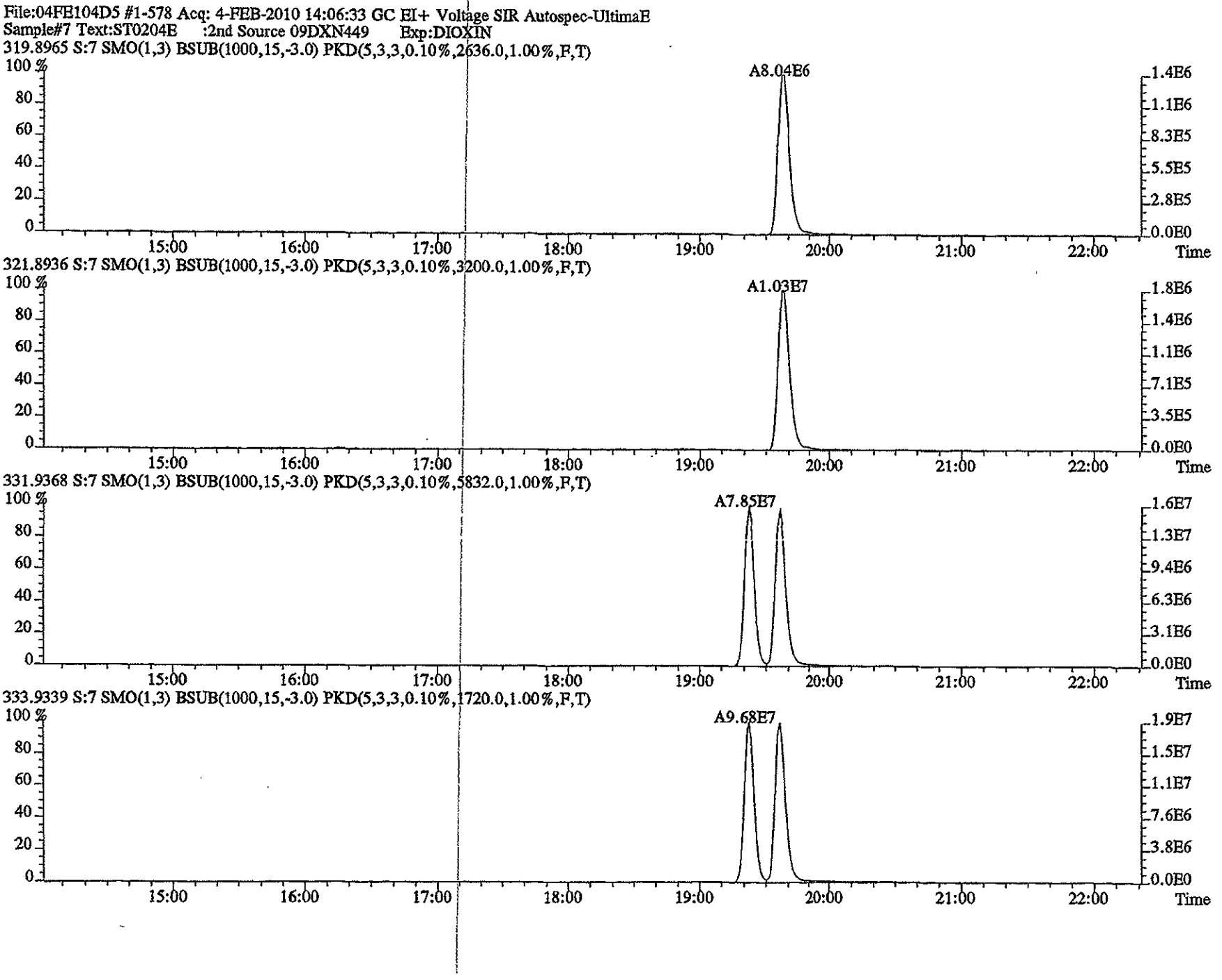

File:04FE104D5 #1-596 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5900.0,1.00%,F,T)
A8.07E7
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5352.0,1.00%,F,T)
A5.19E7
409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,40.0,1.00%,F,T)
Time



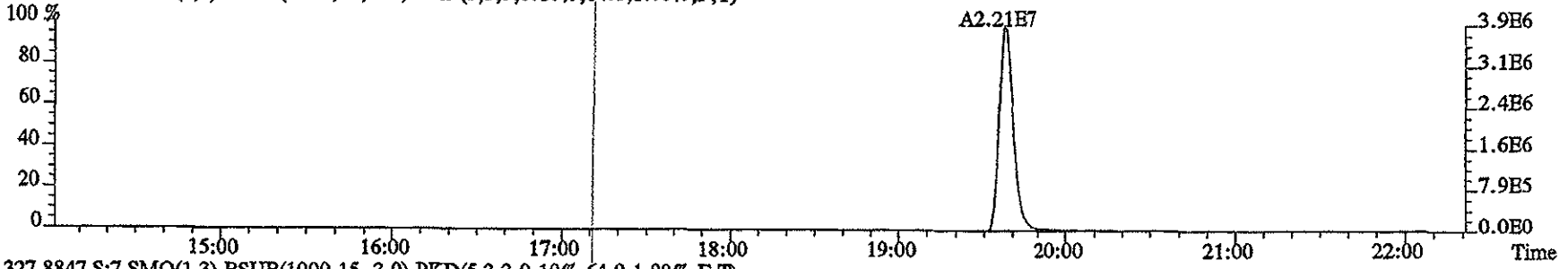


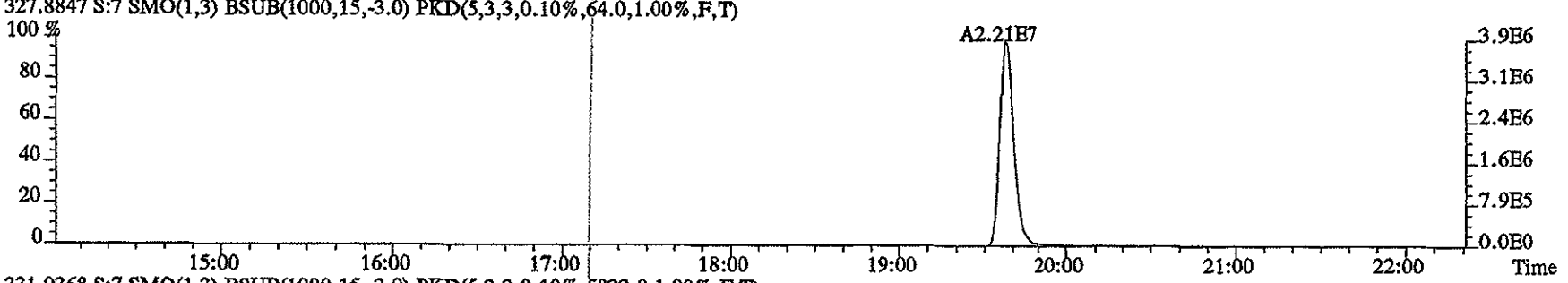

File:04FE104D5 #1-281 Acq: 4-FEB-2010 13:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:CP0204 :DB-5 CPSM 3732-04 Exp:DIOXIN
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
36:54
37:18
37:54
38:09
38:24
38:36
38:58
39:12
39:33
39:57
1.5E7
1.4E7
1.2E7
1.1E7
9.2E6
7.7E6
6.2E6
4.6E6
3.1E6
1.5E6
0.0E0
36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 39:36 39:48 40:00 Time
442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
36:37
36:49
37:01
37:24
37:43
37:55
38:07
38:36
38:49
39:02
39:17
39:39
39:55
1.8E7
1.6E7
1.4E7
1.2E7
1.1E7
8.8E6
7.0E6
5.3E6
3.5E6
1.8E6
0.0E0
36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 39:36 39:48 40:00 Time

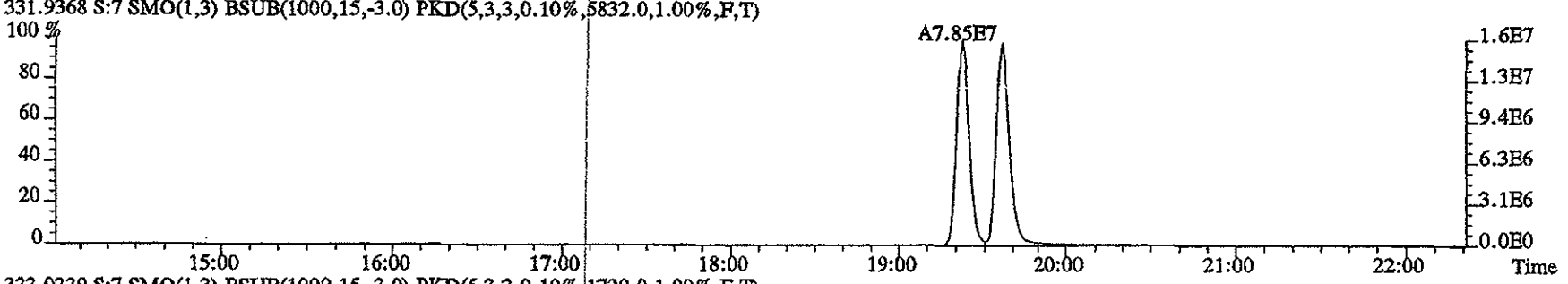

File:04FE104D5 #1-578 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)
A1.11E7
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2848.0,1.00%,F,T)
A1.52E7
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3860.0,1.00%,F,T)
A1.17E8
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2708.0,1.00%,F,T)
A1.50E8
100 %
80
60
40
20
0
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
Time
2.1E6
1.7E6
1.3E6
8.4E5
4.2E5
0.0E0
2.8E6
2.2E6
1.7E6
1.1E6
5.6E5
2.3E7
1.8E7
1.4E7
9.2E6
4.6E6
2.9E7
2.3E7
1.8E7
1.2E7
5.9E6

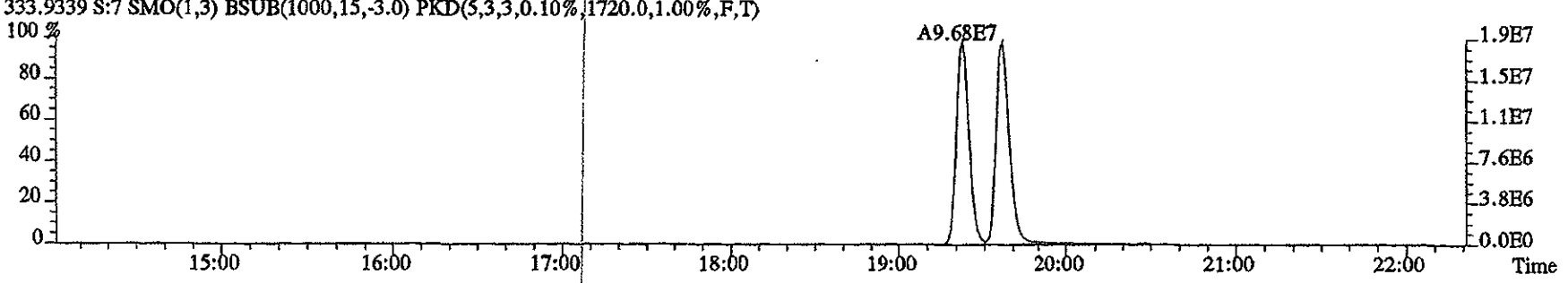


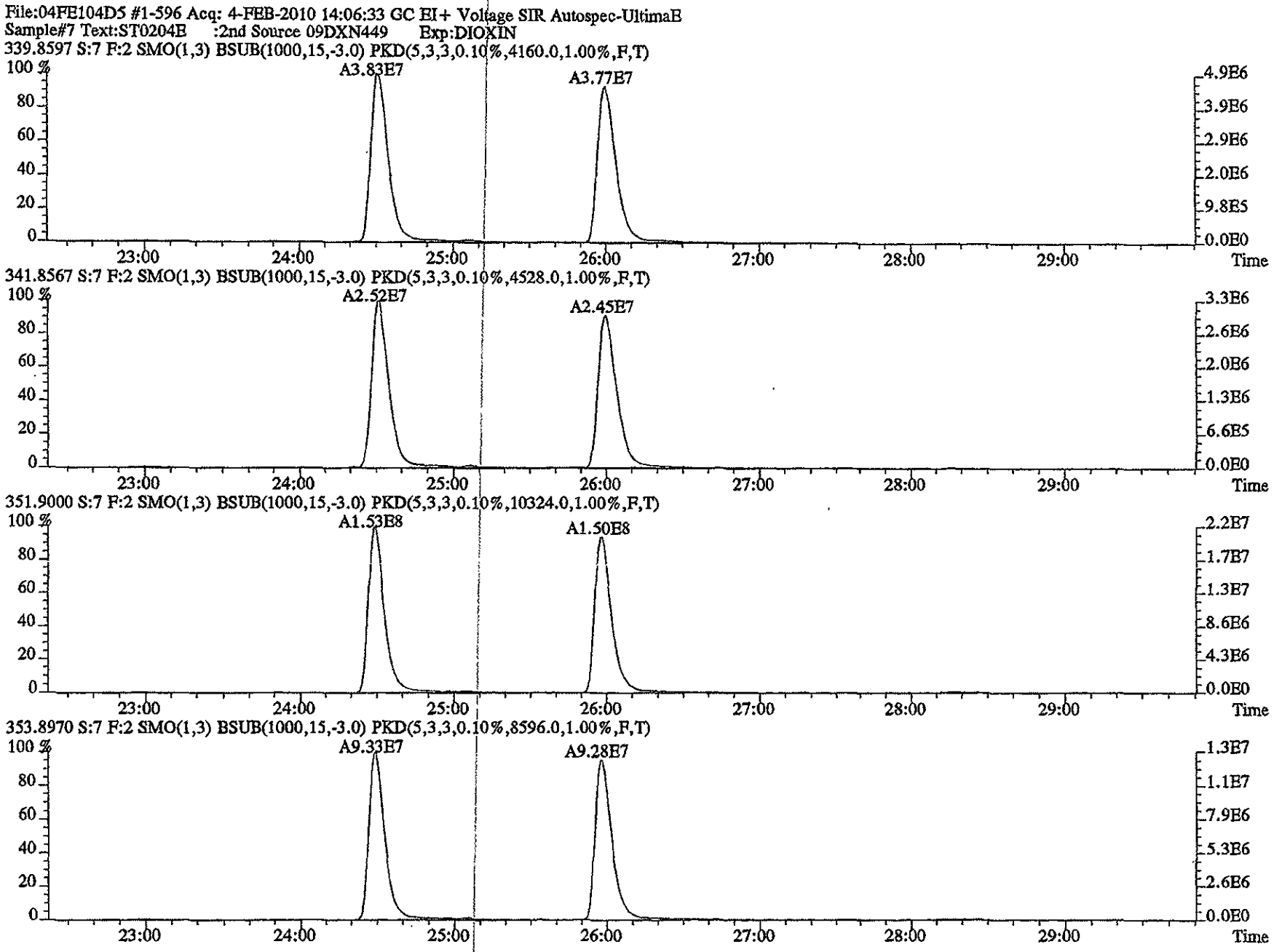
File:04FB104D5 #1-578 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN



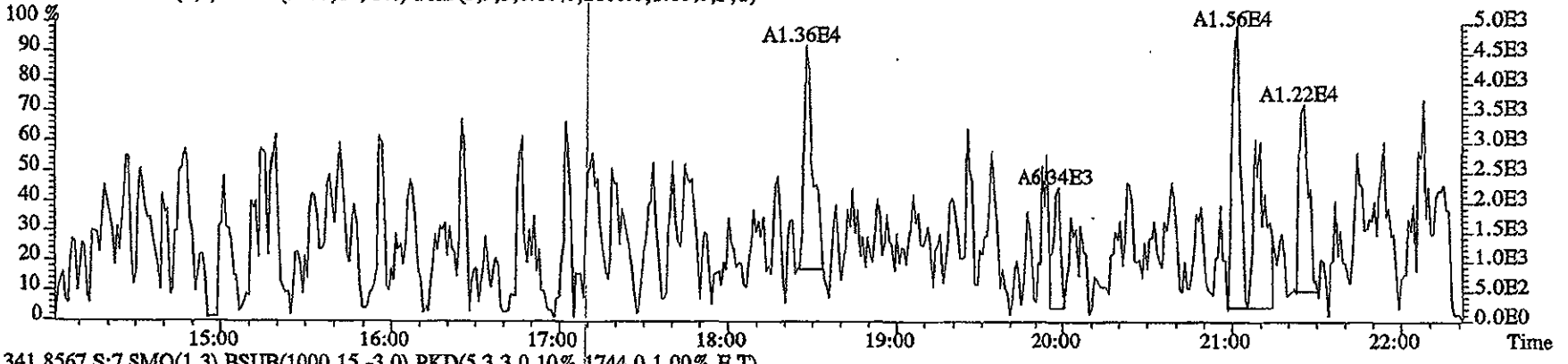




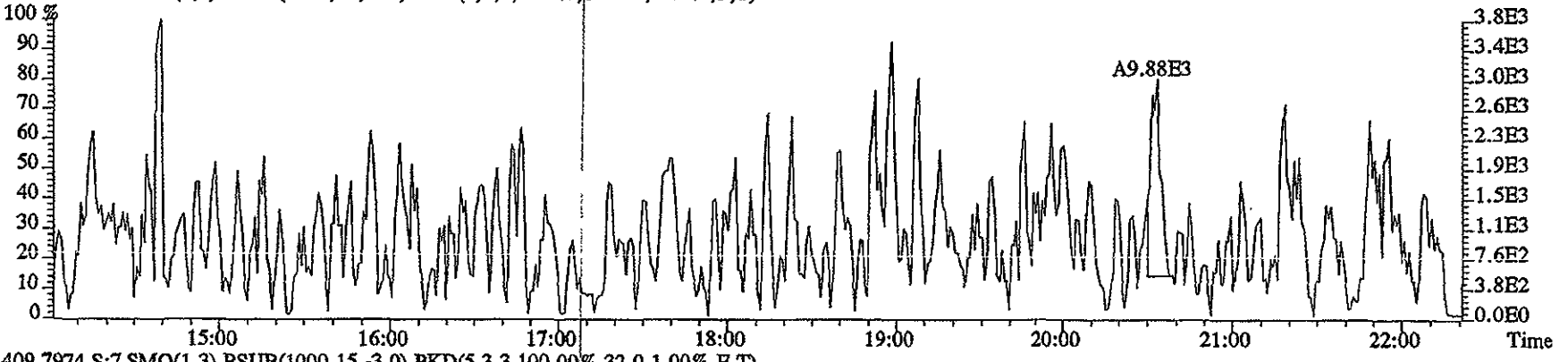




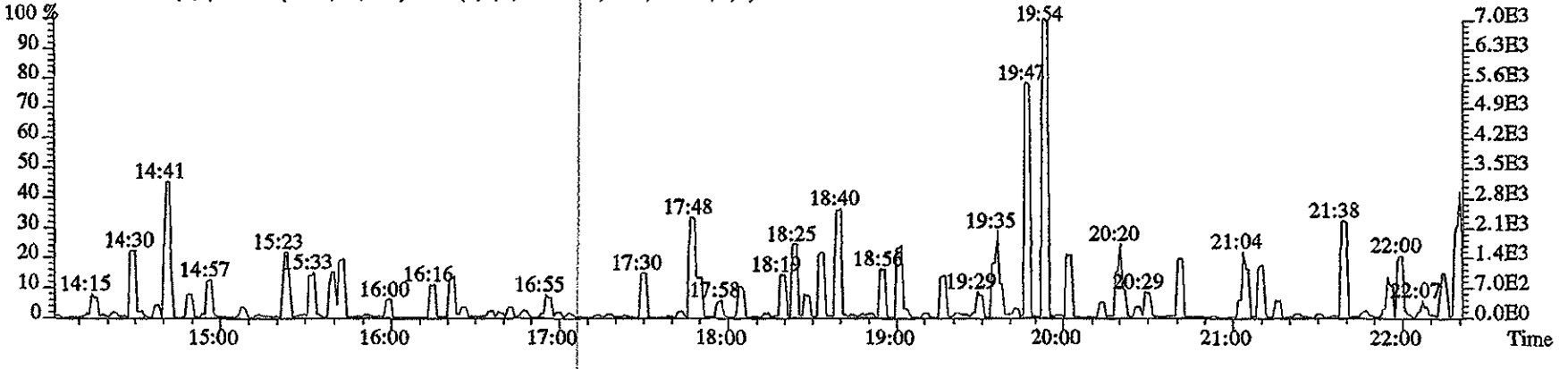
File:04FE104D5 #1-578 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN
339.8597 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)



341.8567 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1744.0,1.00%,F,T)

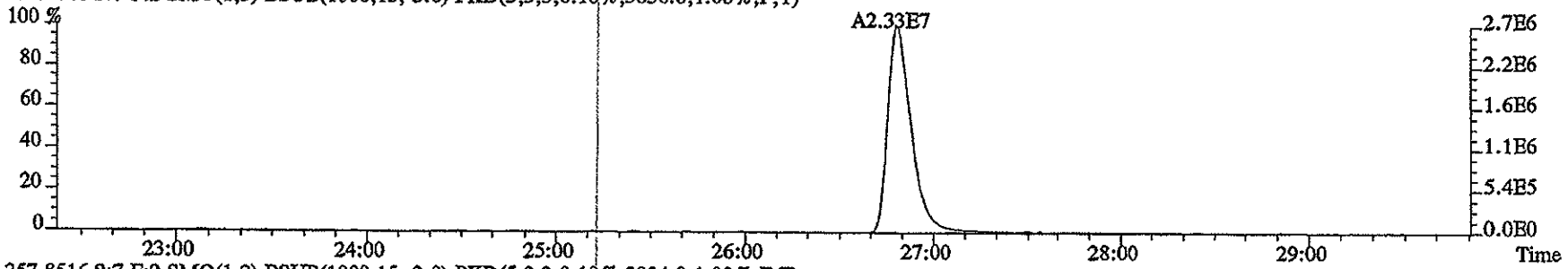


409.7974 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,32.0,1.00%,F,T)

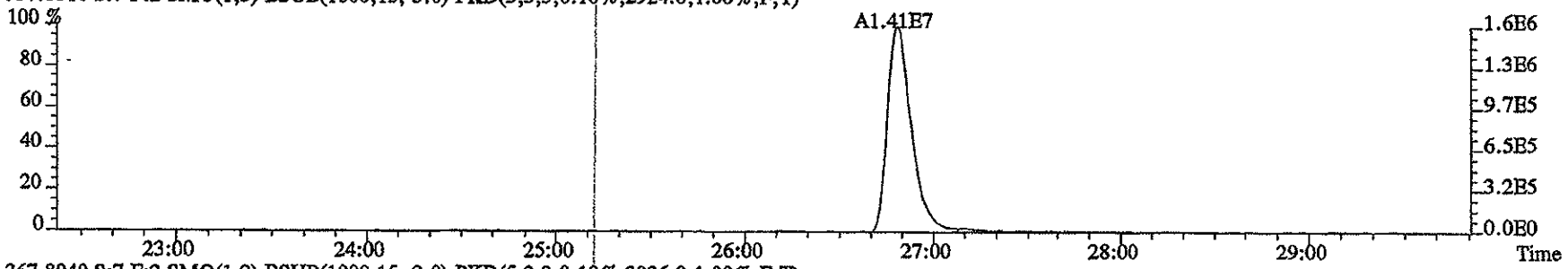


File:04FE104D5 #1-596 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN

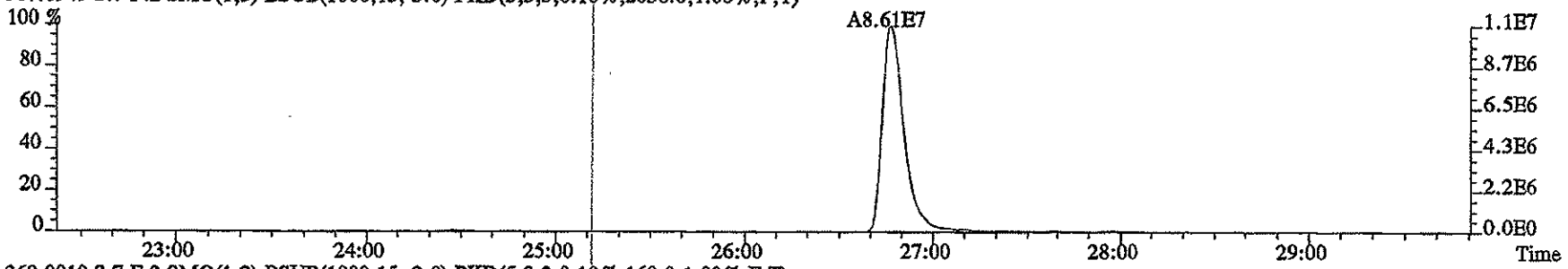
355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3836.0,1.00%,F,T)



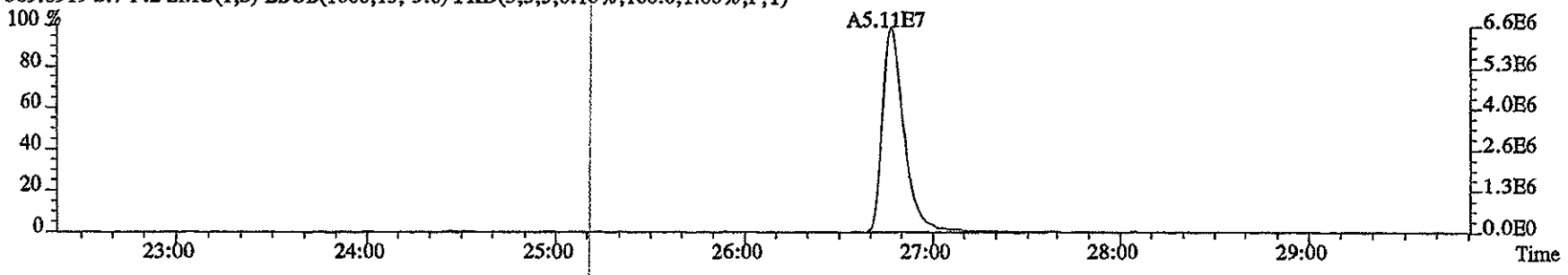
357.8516 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2924.0,1.00%,F,T)



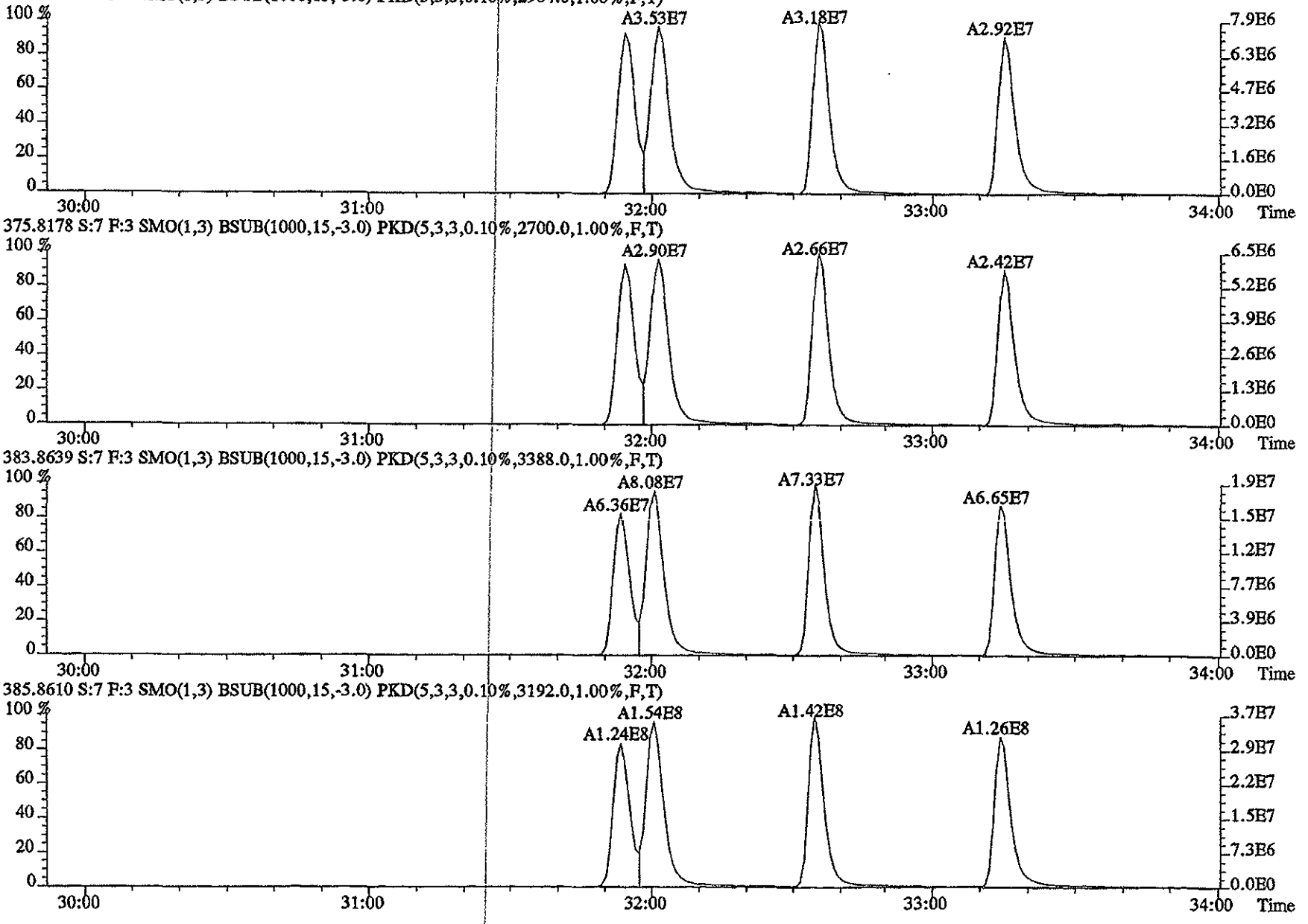
367.8949 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2036.0,1.00%,F,T)

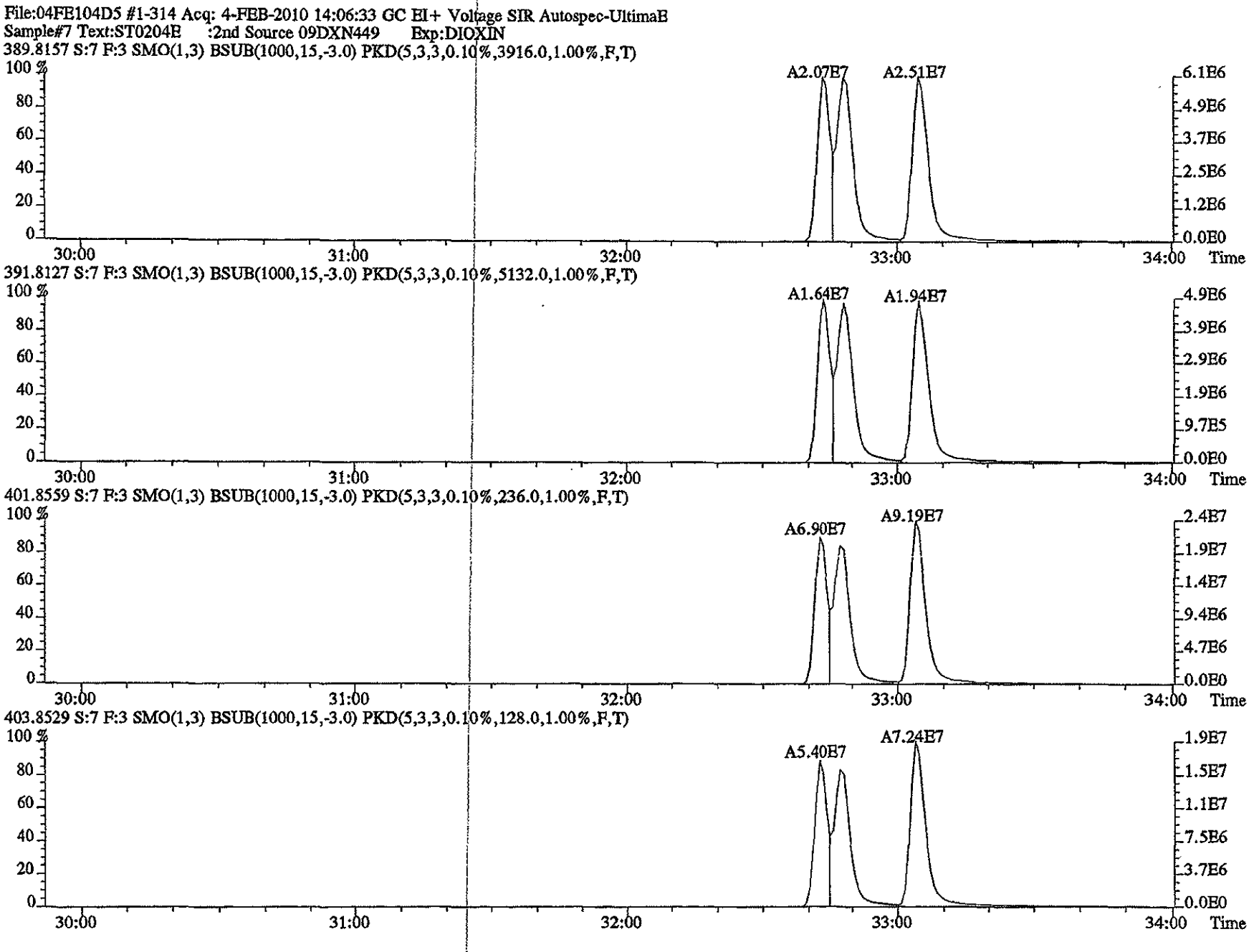


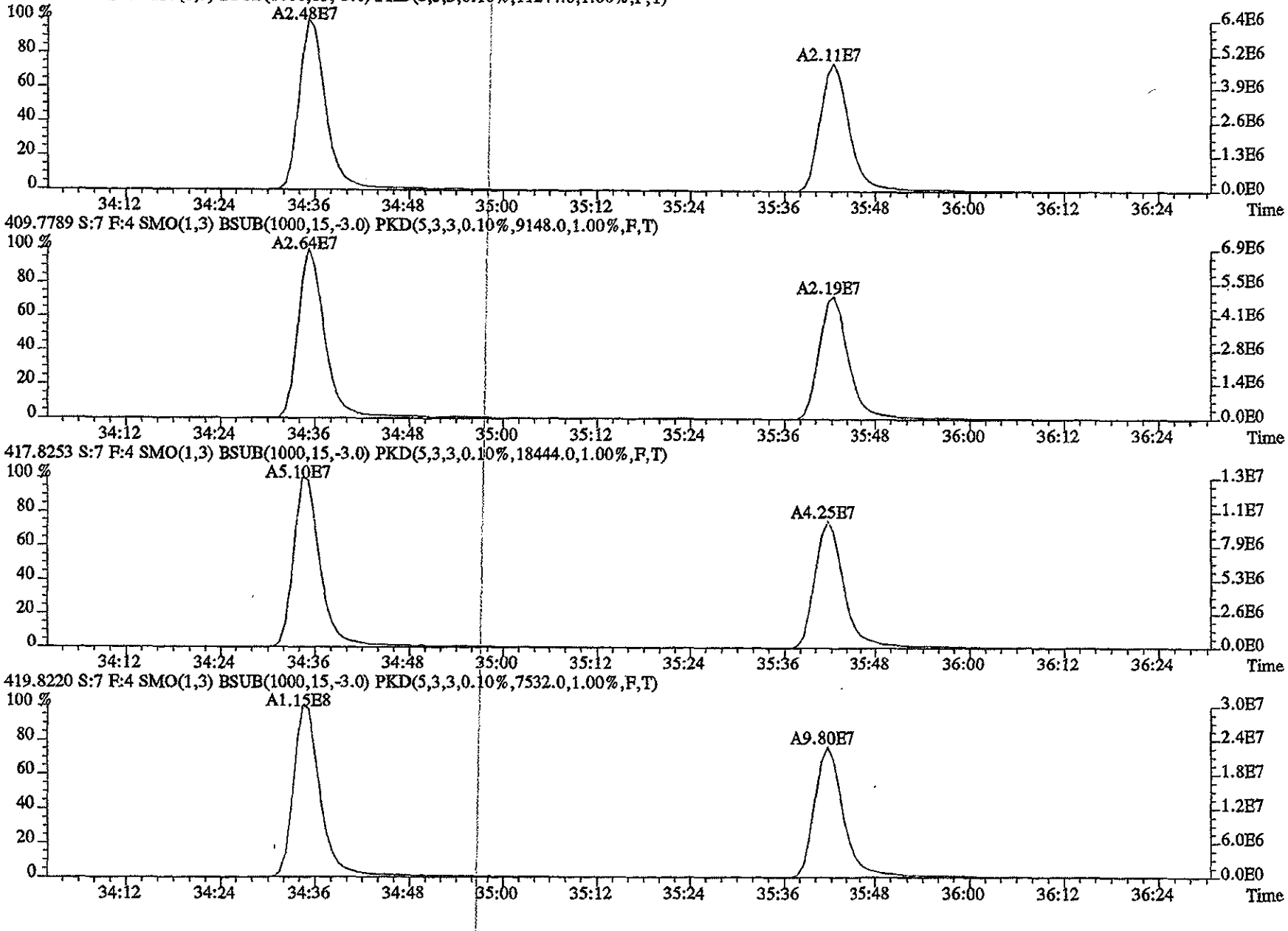
369.8919 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160.0,1.00%,F,T)

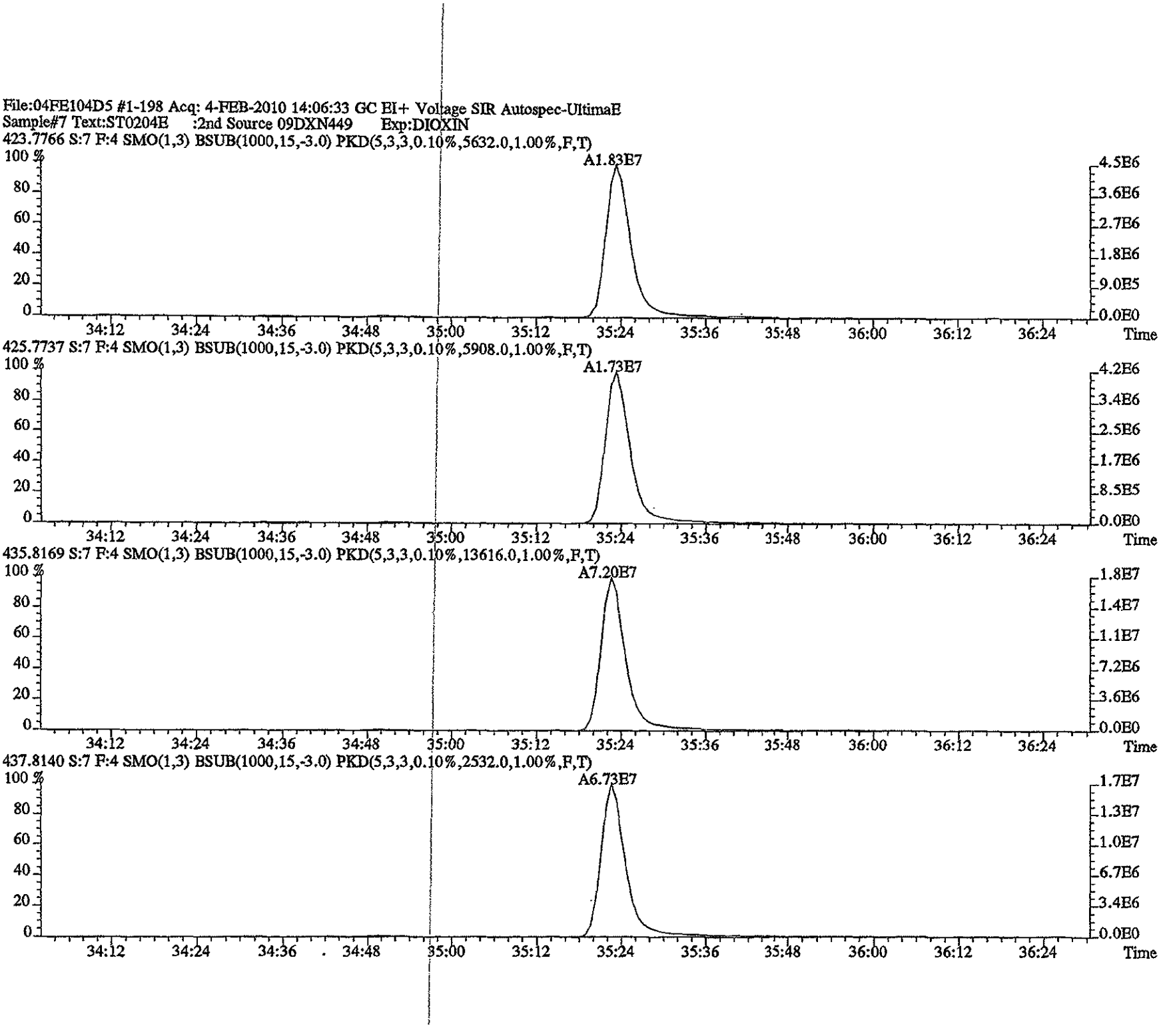


File:04FE104D5 #1-314 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN

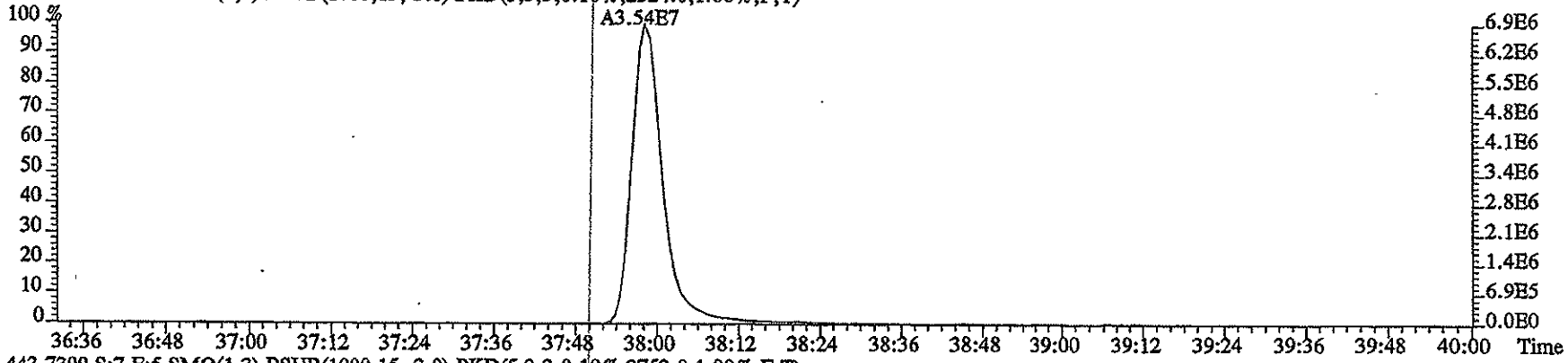



File:04FE104D5 #1-314 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN
389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3916.0,1.00%,F,T)
A2.07E7
A2.51E7
391.8127 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)
A1.64E7
A1.94E7
401.8559 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,236.0,1.00%,F,T)
A6.90E7
A9.19E7
403.8529 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)
A5.40E7
A7.24E7
100 %
80
60
40
20
0
30:00
31:00
32:00
33:00
34:00
Time
6.1E6
4.9E6
3.7E6
2.5E6
1.2E6
0.0E0
4.9E6
3.9E6
2.9E6
1.9E6
9.7E5
0.0E0
2.4E7
1.9E7
1.4E7
9.4E6
4.7E6
0.0E0
1.9E7
1.5E7
1.1E7
7.5E6
3.7E6
0.0E0

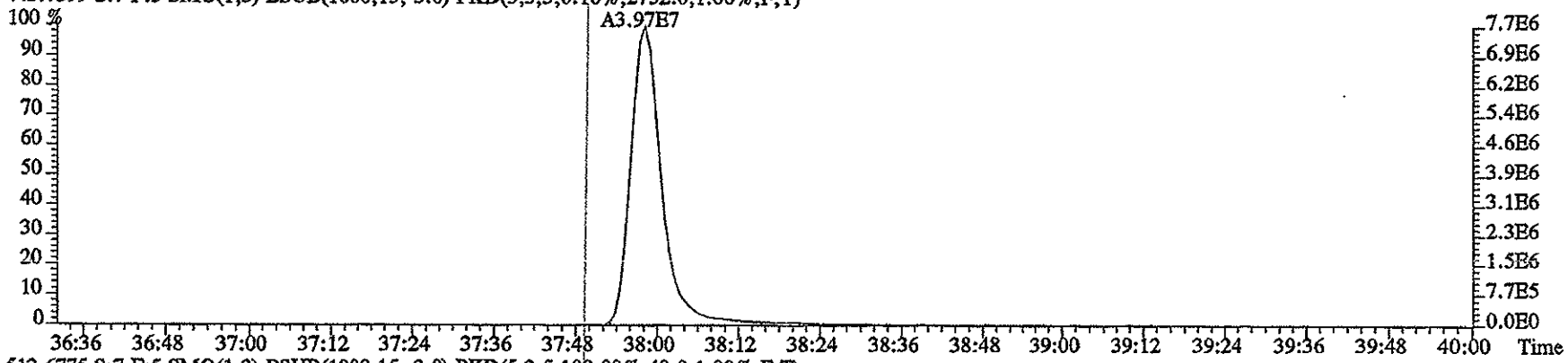




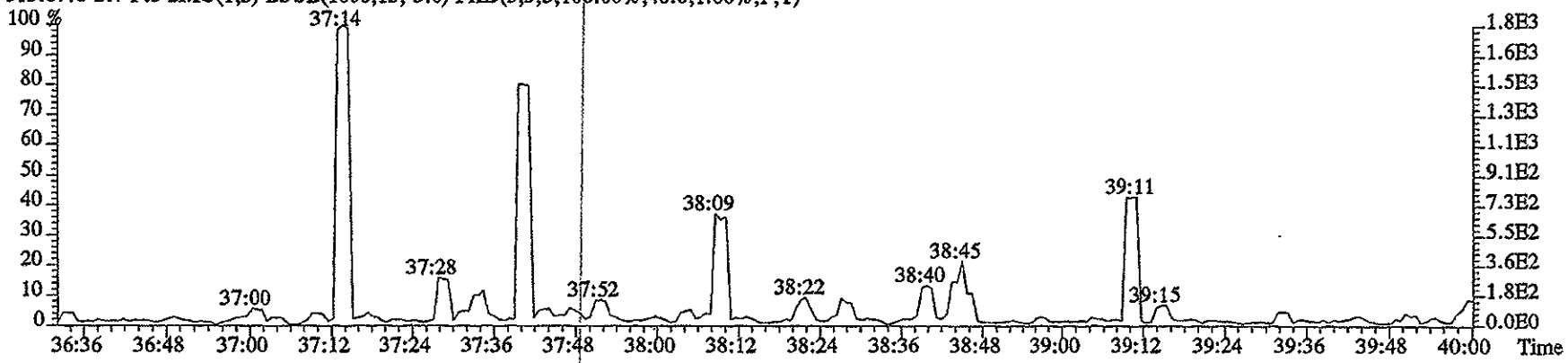
File:04FE104D5 #1-281 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2524.0,1.00%,F,T)

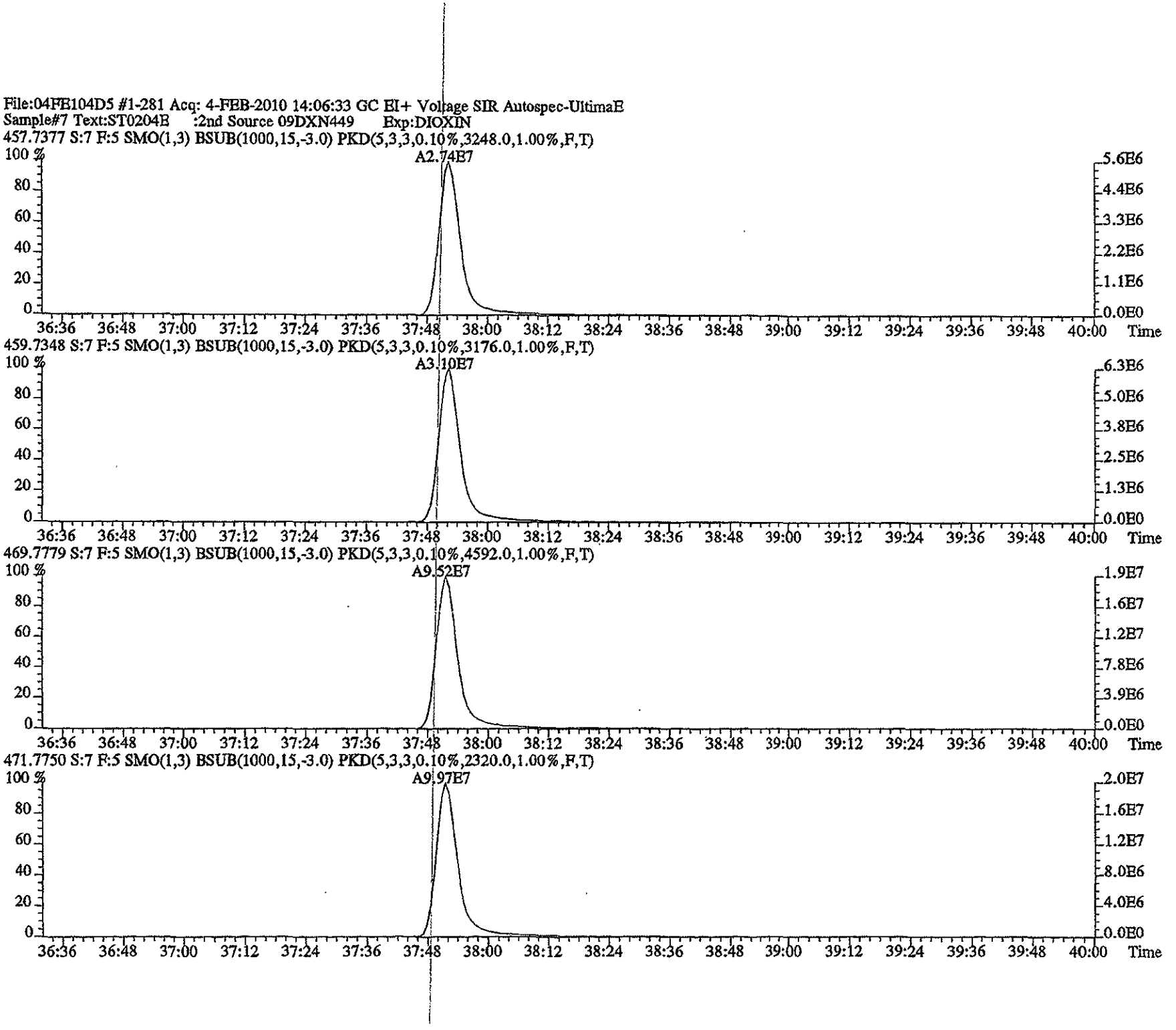


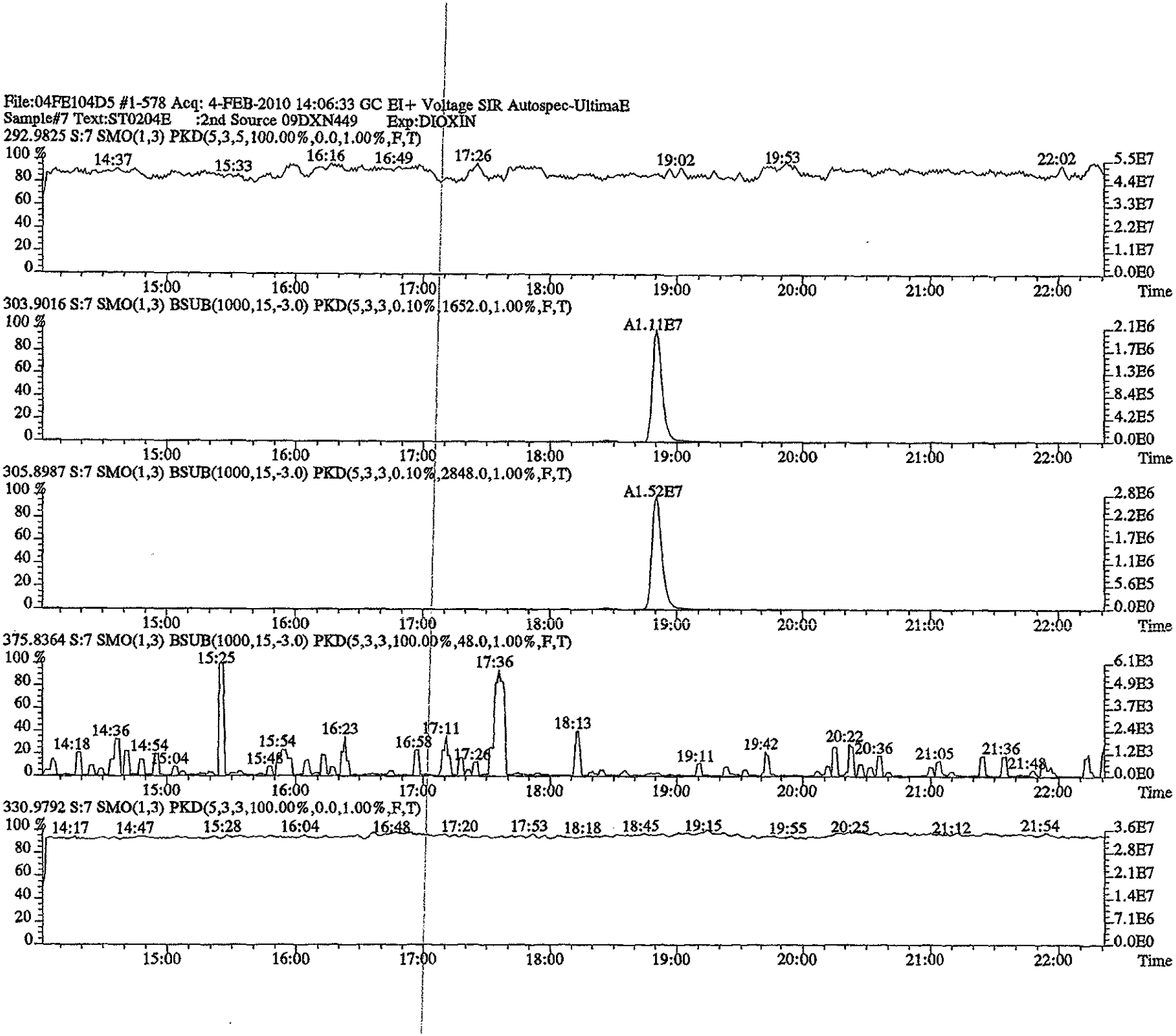
443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T)

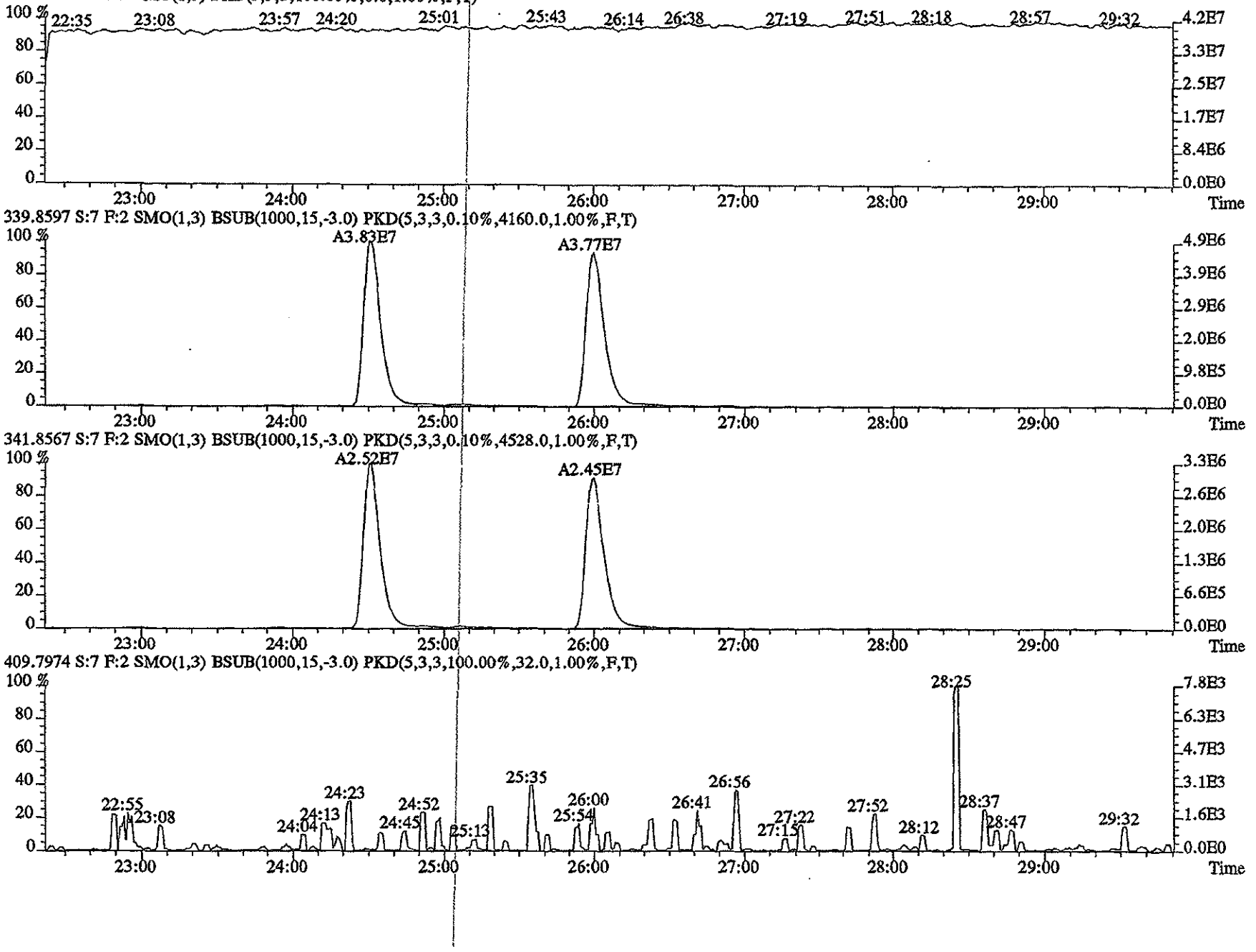


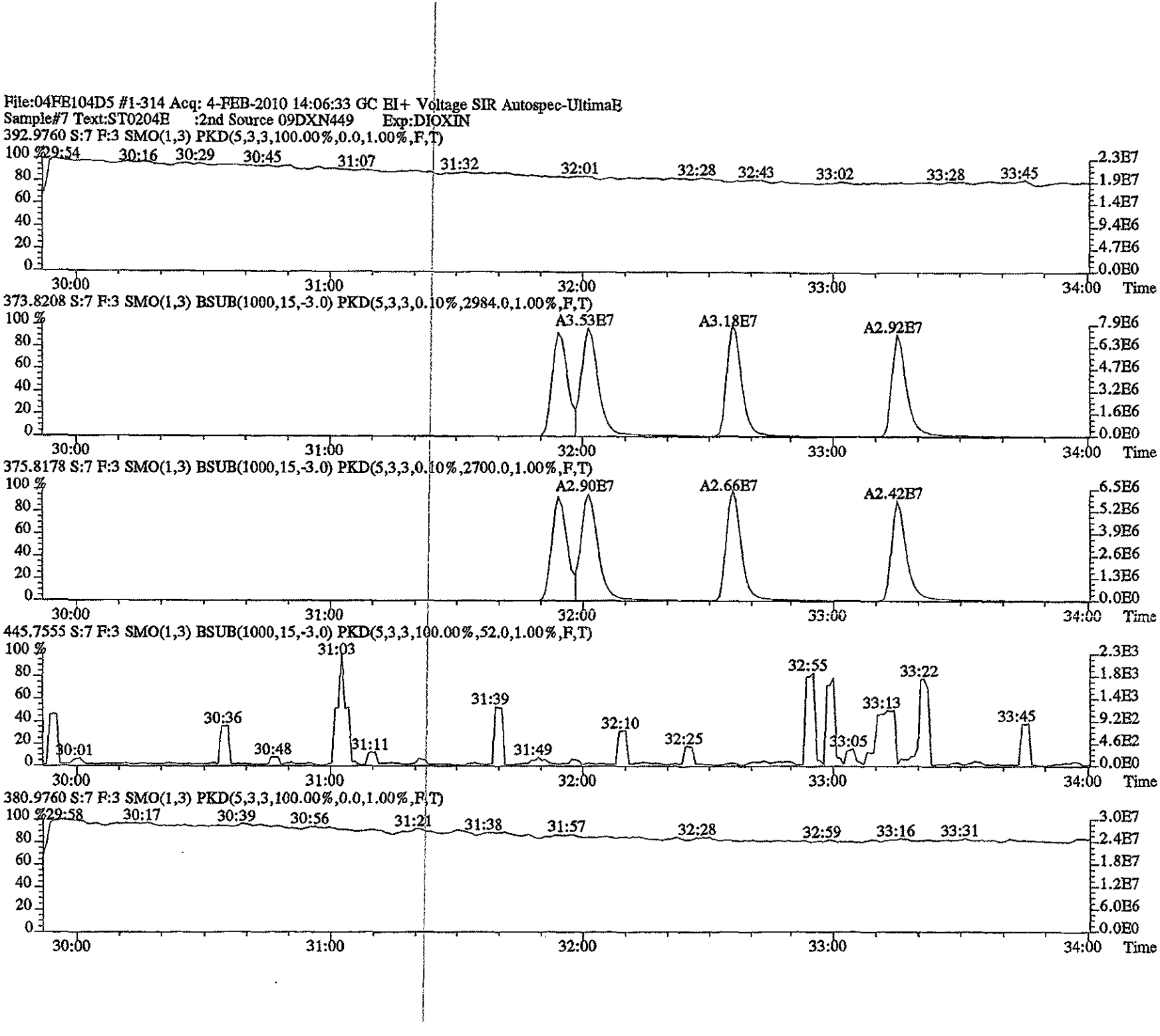
513.6775 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,40.0,1.00%,F,T)

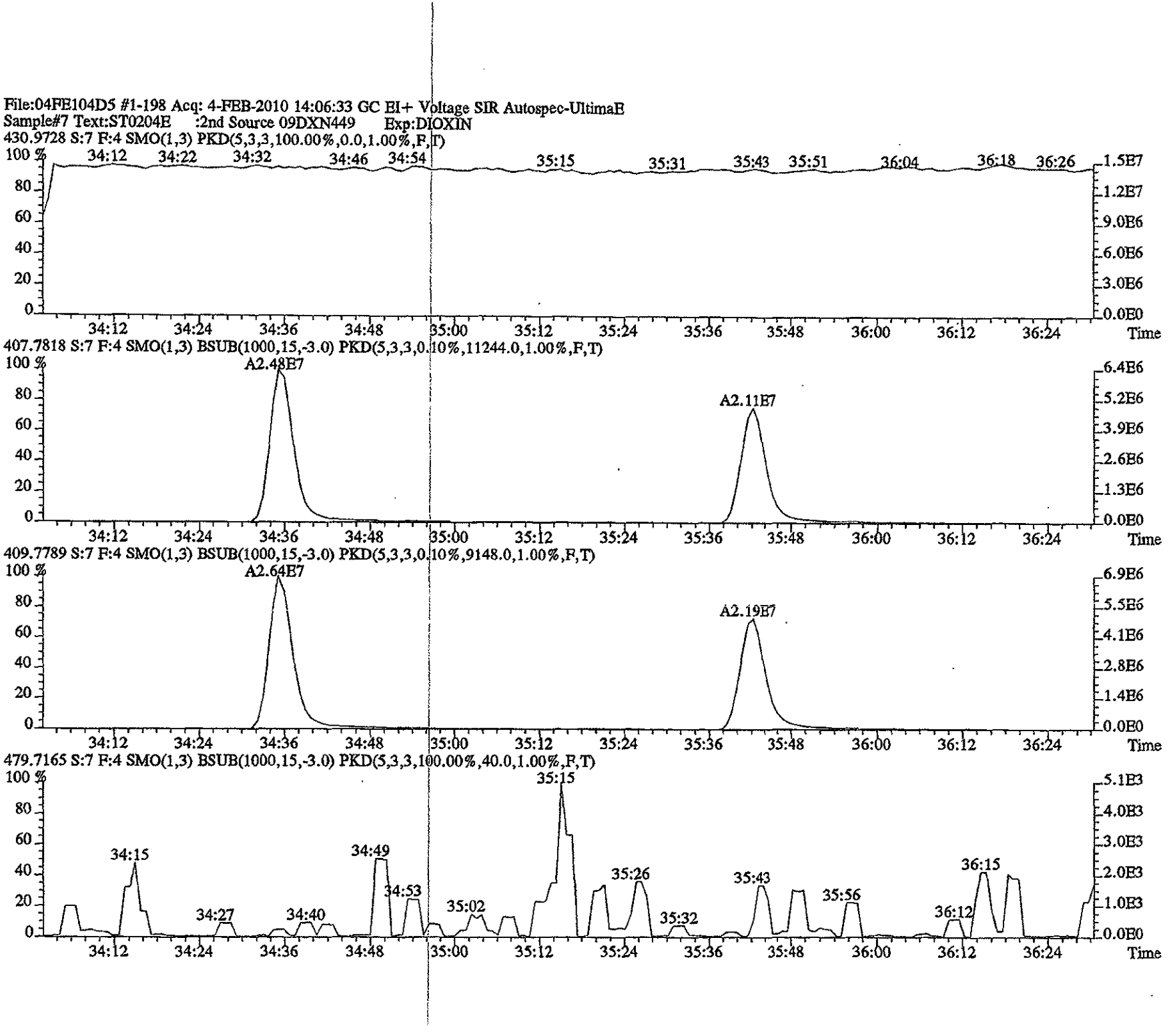


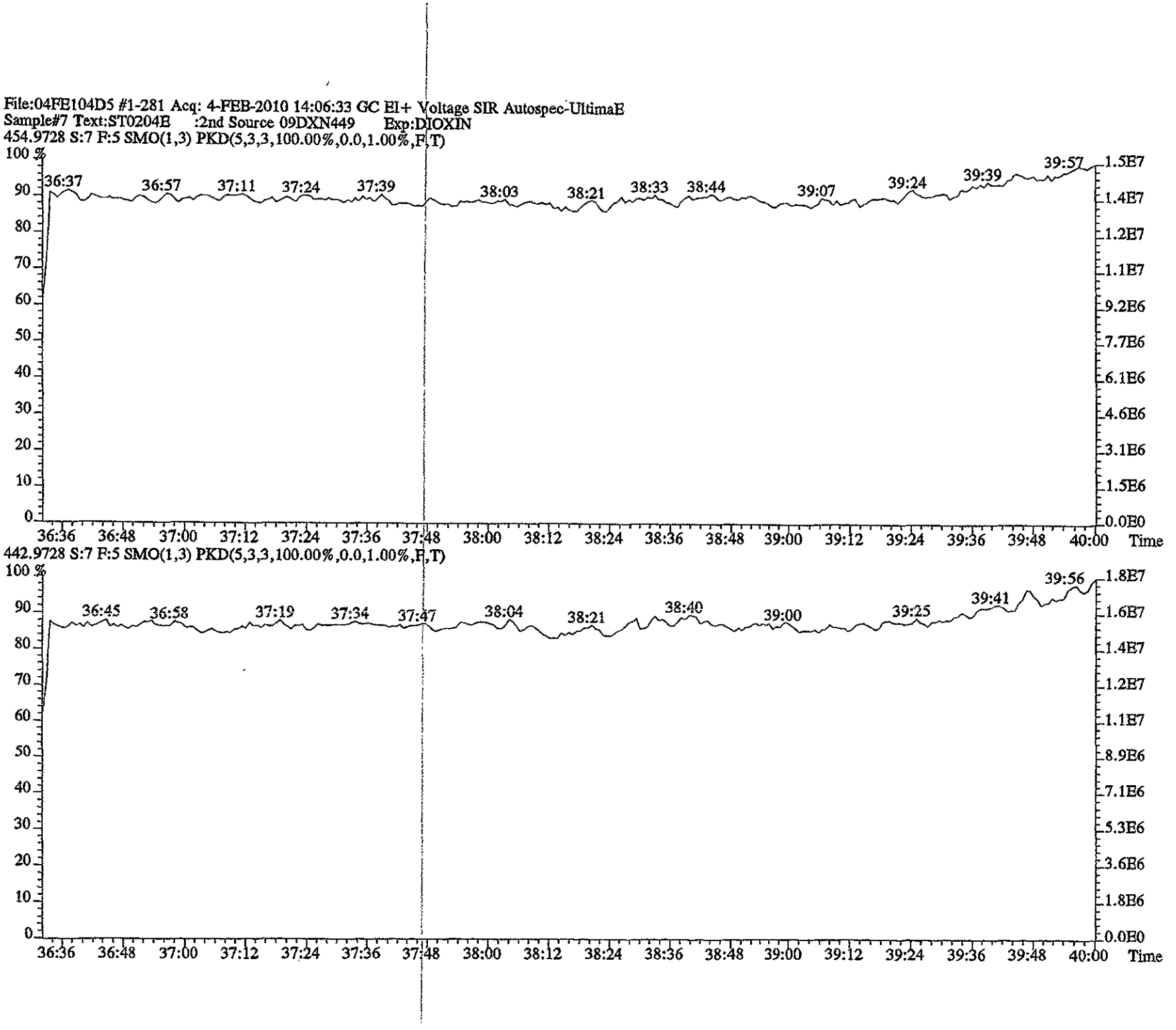



File:04FE104D5 #1-578 Acq: 4-FEB-2010 14:06:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0204E :2nd Source 09DXN449 Exp:DIOXIN
292.9825 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)
A1.11E7
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2848.0,1.00%,F,T)
A1.52E7
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,48.0,1.00%,F,T)
330.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time









Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290,1613,T09,23,0023A,TETRAS) 123109IDS

Method ID 8290,1613B,T09,23,0023A

Date Scanned 01/11/10

Column ID DB5

Instrument ID 1DS

STD ID's ST1231(B,C,D,E,F)

STD Solution 09DXN(422,423,425,426,456)

GC Program OCDD

Multiplier Setting 270

Analyzed By A.M.

Date Analyzed 12/31/09, ~~1/1/10~~ 1/1/10 1/4/10

Prepared By M.G.

Date Prepared 1/4/10

Reviewed By JRB

Date Reviewed 1/4/10

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

CS3 Retention Times: 13C-1,2,3,4-TCDD 18:40
13C-1,2,3,7,8,9-HxCDD 32:49

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

ST1231B :CS-1 09DXN422 ST1231C :CS-2 09DXN423 ST1231D :CS-3 09DXN425
ST1231E :CS-4 09DXN426 ST1231F :CS-5 09DXN456

Name	Mean	S. D.	%RSD	31DE09A1D5 S2 RRF1	31DE09A1D5 S3 RRF2	31DE09A1D5 S4 RRF3	31DE09A1D5 S5 RRF4	31DE09A1D5 S6 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3 %	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

Run #1 Filename 31DE09A1D5 S: 2 I: 1
Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 07:30:47
Run: 15SE098D2 Analyte: 8290 Cal: 8290123109ID5
Comments:
Sample text: ST1231B :CS-1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	326815000	0.81	y	18:42	-	100.00	n
13C-2,3,7,8-TCDF	495192000	0.78	y	18:09	1.52	100.00	n
2,3,7,8-TCDF	1909491	0.78	y	18:09	0.77	0.50	n
Total TCDF	-	-	n	-	0.77	0.50	n
13C-2,3,7,8-TCDD	305230000	0.80	y	18:53	0.93	100.00	n
2,3,7,8-TCDD	1317770	0.78	y	18:56	0.86	0.50	n
Total TCDD	-	-	n	-	0.86	0.50	n
37Cl-2,3,7,8-TCDD	3295720	1.00	y	18:56	2.02	0.50	n
13C-1,2,3,7,8-PeCDF	327775000	1.60	y	23:32	1.00	100.00	n
1,2,3,7,8-PeCDF	6958190	1.59	y	23:34	0.85	2.50	n
2,3,4,7,8-PeCDF	6434690	1.62	y	24:58	0.79	2.50	n
Total F2 PeCDF	-	-	n	-	0.82	5.00	n
Total F1 PeCDF	-	-	n	-	0.82	5.00	n
13C-1,2,3,7,8-PeCDD	198162800	1.64	y	25:44	0.61	100.00	n
1,2,3,7,8-PeCDD	3904960	1.46	y	25:45	0.79	2.50	n
Total PeCDD	-	-	n	-	0.79	2.50	n
13C-1,2,3,7,8,9-HxCDD	246455000	1.30	y	32:51	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	242322300	0.50	y	31:26	0.98	100.00	n
1,2,3,4,7,8-HxCDF	5809990	1.20	y	31:27	0.96	2.50	n
1,2,3,6,7,8-HxCDF	6810920	1.31	y	31:36	1.12	2.50	n
2,3,4,6,7,8-HxCDF	6178250	1.26	y	32:17	1.02	2.50	n
1,2,3,7,8,9-HxCDF	6177790	1.28	y	33:03	1.02	2.50	n
Total HxCDF	-	-	n	-	1.03	10.00	n
13C-1,2,3,6,7,8-HxCDD	204409500	1.28	y	32:32	0.83	100.00	n
1,2,3,4,7,8-HxCDD	3765050	1.19	y	32:27	0.74	2.50	n
1,2,3,6,7,8-HxCDD	4473360	1.33	y	32:33	0.88	2.50	n
1,2,3,7,8,9-HxCDD	4685460	1.26	y	32:52	0.92	2.50	n
Total HxCDD	-	-	n	-	0.84	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	227457800	0.43	y	34:35	0.92	100.00	n
1,2,3,4,6,7,8-HpCDF	6254400	1.07	y	34:35	1.10	2.50	n
1,2,3,4,7,8,9-HpCDF	5396380	1.04	y	35:53	0.95	2.50	n
Total HpCDF	-	-	n	-	1.02	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	196980400	1.10	y	35:31	0.80	100.00	n
1,2,3,4,6,7,8-HpCDD	4184800	0.97	y	35:31	0.85	2.50	n
Total HpCDD	-	-	n	-	0.85	2.50	n
13C-OCDD	287999000	0.90	y	38:18	0.58	200.00	n
OCDF	8341240	0.89	y	38:25	1.16	5.00	n

OCDD	6946490	0.88	y	38:19	0.96	5.00	n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80	y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76	y	18:08	0.77	2.00	n
Total TCDF	-	-	n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79	y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72	y	18:53	0.77	2.00	n
Total TCDD	-	-	n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00	y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64	y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66	y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64	y	24:57	0.84	10.00	n
Total F2 PeCDF	-	-	n	-	0.87	20.00	n
Total F1 PeCDF	-	-	n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64	y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63	y	25:44	0.81	10.00	n
Total PeCDD	-	-	n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51	y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28	y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30	y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31	y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26	y	33:02	1.19	10.00	n
Total HxCDF	-	-	n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31	y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	16376990	1.27	y	32:26	0.88	10.00	y
1,2,3,6,7,8-HxCDD	18917800	1.35	y	32:32	1.01	10.00	y
1,2,3,7,8,9-HxCDD	22185210	1.30	y	32:51	1.19	10.00	n
Total HxCDD	-	-	n	-	1.02	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43	y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01	y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06	y	35:53	1.00	10.00	n
Total HpCDF	-	-	n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09	y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07	y	35:31	0.88	10.00	n
Total HpCDD	-	-	n	-	0.88	10.00	n
13C-OCDD	295682000	0.89	y	38:18	0.54	200.00	n
OCDF	38310100	0.87	y	38:25	1.30	20.00	n

OCDD	28999100	0.89	y	38:19	0.98	20.00	n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
Run: 15SE098D2 Analyte: 8290 Cal: 8290123109lD5
Comments:
Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80	y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76	y	18:08	0.77	2.00	n
Total TCDF	-	-	n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79	y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72	y	18:53	0.77	2.00	n
Total TCDD	-	-	n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00	y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64	y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66	y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64	y	24:57	0.84	10.00	n
Total F2 PeCDF	-	-	n	-	0.87	20.00	n
Total F1 PeCDF	-	-	n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64	y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63	y	25:44	0.81	10.00	n
Total PeCDD	-	-	n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51	y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28	y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30	y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31	y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26	y	33:02	1.19	10.00	n
Total HxCDF	-	-	n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31	y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	14931616	1.45	n	32:26	0.80	10.00	n
1,2,3,6,7,8-HxCDD	18826110	1.21	y	32:32	1.01	10.00	n
1,2,3,7,8,9-HxCDD	22185220	1.30	y	32:51	1.19	10.00	n
Total HxCDD	-	-	n	-	1.00	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43	y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01	y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06	y	35:53	1.00	10.00	n
Total HpCDF	-	-	n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09	y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07	y	35:31	0.88	10.00	n
Total HpCDD	-	-	n	-	0.88	10.00	n
13C-OCDD	295682000	0.89	y	38:18	0.54	200.00	n
OCDF	38310100	0.87	y	38:25	1.30	20.00	n
OCDD	28999100	0.89	y	38:19	0.98	20.00	n

Run #3 Filename 31DE09A1D5 S: 4 I: 1
Acquired: 1-JAN-10 01:32:44 Processed: 4-JAN-10 07:30:49
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231D :CS-3 09DXN425

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	307910000	0.80	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	506106000	0.79	y	18:06	1.64	100.00	n
2,3,7,8-TCDF	44200100	0.76	y	18:07	0.87	10.00	n
Total TCDF	-	-	n	-	0.87	10.00	n
13C-2,3,7,8-TCDD	310374000	0.80	y	18:52	1.01	100.00	n
2,3,7,8-TCDD	29546200	0.79	y	18:53	0.95	10.00	n
Total TCDD	-	-	n	-	0.95	10.00	n
37Cl-2,3,7,8-TCDD	67170000	1.00	y	18:53	2.18	10.00	n
13C-1,2,3,7,8-PeCDF	335656000	1.65	y	23:30	1.09	100.00	n
1,2,3,7,8-PeCDF	174948900	1.63	y	23:32	1.04	50.00	n
2,3,4,7,8-PeCDF	162654400	1.64	y	24:57	0.97	50.00	n
Total F2 PeCDF	-	-	n	-	1.01	100.00	n
Total F1 PeCDF	-	-	n	-	1.01	100.00	n
13C-1,2,3,7,8-PeCDD	205985000	1.67	y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	97299200	1.65	y	25:43	0.94	50.00	n
Total PeCDD	-	-	n	-	0.94	50.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51	y	31:25	0.90	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25	y	31:26	1.31	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25	y	31:35	1.48	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29	y	32:16	1.32	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26	y	33:02	1.44	50.00	n
Total HxCDF	-	-	n	-	1.39	200.00	n
13C-1,2,3,6,7,8-HxCDD	199181900	1.29	y	32:31	0.75	100.00	n
1,2,3,4,7,8-HxCDD	97513000	1.26	y	32:26	0.98	50.00	n
1,2,3,6,7,8-HxCDD	109018400	1.29	y	32:32	1.09	50.00	n
1,2,3,7,8,9-HxCDD	132727200	1.29	y	32:50	1.33	50.00	n
Total HxCDD	-	-	n	-	1.14	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	232544000	0.43	y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	156361300	1.03	y	34:35	1.34	50.00	n
1,2,3,4,7,8,9-HpCDF	138612200	1.05	y	35:52	1.19	50.00	n
Total HpCDF	-	-	n	-	1.27	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	199167200	1.09	y	35:30	0.75	100.00	n
1,2,3,4,6,7,8-HpCDD	105004000	1.05	y	35:31	1.05	50.00	n
Total HpCDD	-	-	n	-	1.05	50.00	n
13C-OCDD	301292000	0.91	y	38:17	0.57	200.00	n
OCDF	228515000	0.90	y	38:25	1.52	100.00	n
OCDD	174447000	0.89	y	38:18	1.16	100.00	n

Run #4 Filename 31DE09A1D5 S: 5 I: 1
Acquired: 1-JAN-10 02:14:32 Processed: 4-JAN-10 07:30:49
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231E :CS-4 09DXN426

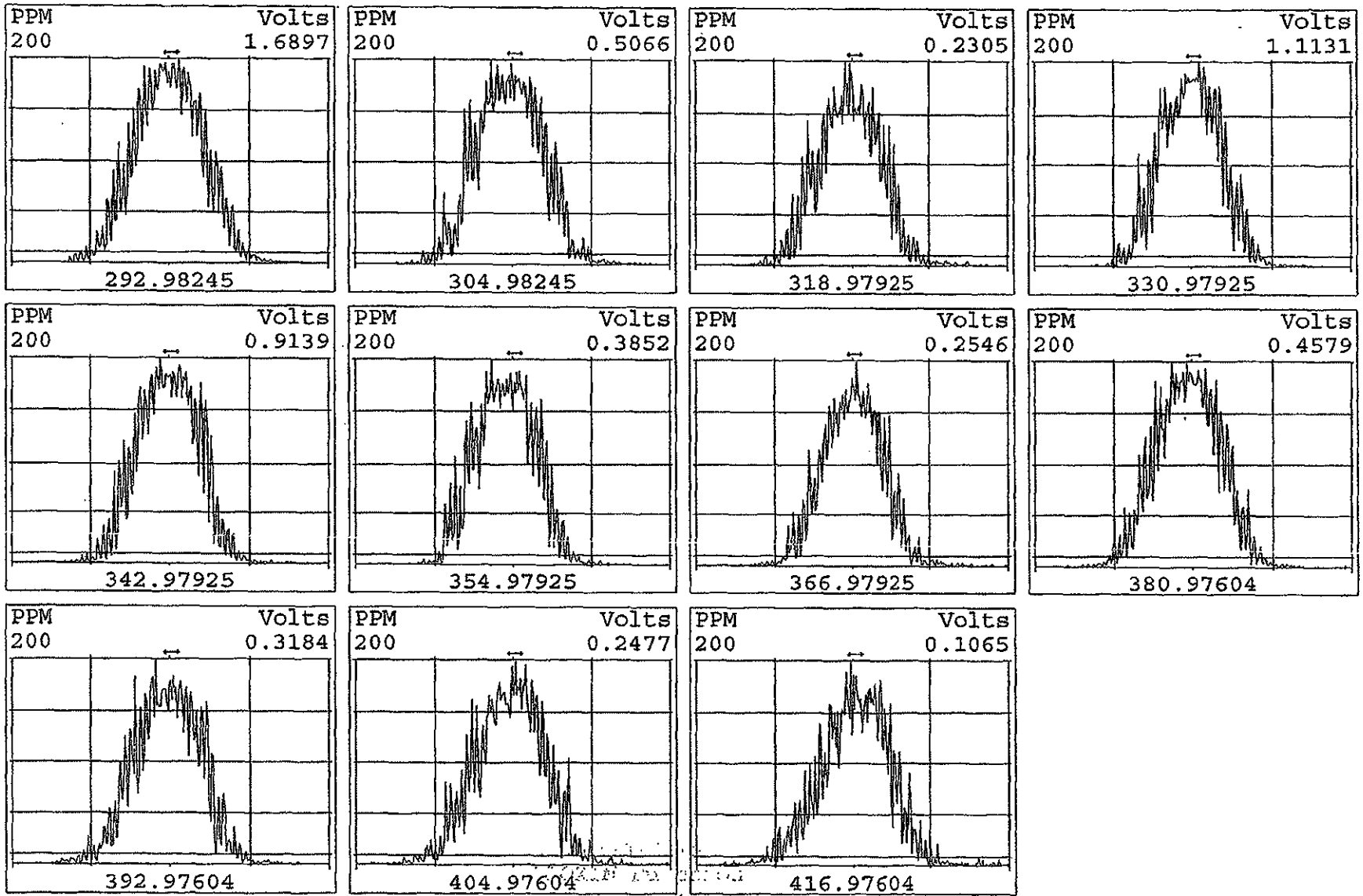
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	360177000	0.81	y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	552269000	0.80	y	18:06	1.53	100.00	n
2,3,7,8-TCDF	200867500	0.77	y	18:07	0.91	40.00	n
Total TCDF	-	-	n	-	0.91	40.00	n
13C-2,3,7,8-TCDD	350941000	0.80	y	18:52	0.97	100.00	n
2,3,7,8-TCDD	141705800	0.77	y	18:53	1.01	40.00	n
Total TCDD	-	-	n	-	1.01	40.00	n
37Cl-2,3,7,8-TCDD	335352000	1.00	y	18:53	2.33	40.00	n
13C-1,2,3,7,8-PeCDF	369215000	1.63	y	23:31	1.03	100.00	n
1,2,3,7,8-PeCDF	814732000	1.58	y	23:32	1.10	200.00	n
2,3,4,7,8-PeCDF	775079000	1.57	y	24:57	1.05	200.00	n
Total F2 PeCDF	-	-	n	-	1.08	400.00	n
Total F1 PeCDF	-	-	n	-	1.08	400.00	n
13C-1,2,3,7,8-PeCDD	239834200	1.64	y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	500625000	1.60	y	25:44	1.04	200.00	n
Total PeCDD	-	-	n	-	1.04	200.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51	y	31:25	0.76	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26	y	31:26	1.33	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27	y	31:35	1.51	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26	y	32:16	1.36	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26	y	33:02	1.57	200.00	n
Total HxCDF	-	-	n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	219899700	1.29	y	32:31	0.61	100.00	n
1,2,3,4,7,8-HxCDD	507310000	1.25	y	32:27	1.15	200.00	n
1,2,3,6,7,8-HxCDD	512249000	1.28	y	32:32	1.16	200.00	n
1,2,3,7,8,9-HxCDD	690425000	1.27	y	32:51	1.57	200.00	n
Total HxCDD	-	-	n	-	1.30	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	278355600	0.44	y	34:34	0.78	100.00	n
1,2,3,4,6,7,8-HpCDF	784068000	1.04	y	34:35	1.41	200.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04	y	35:53	1.27	200.00	n
Total HpCDF	-	-	n	-	1.34	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	244993000	1.09	y	35:31	0.68	100.00	n
1,2,3,4,6,7,8-HpCDD	539498000	1.05	y	35:31	1.10	200.00	n
Total HpCDD	-	-	n	-	1.10	200.00	n
13C-OCDD	366780000	0.90	y	38:18	0.51	200.00	n
OCDF	1195334000	0.91	y	38:25	1.63	400.00	n
OCDD	901352000	0.90	y	38:18	1.23	400.00	n

Run #5 Filename 31DE09A1D5 S: 6 I: 1
Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 07:30:50
Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5
Comments:
Sample text: ST1231F :CS-5 09DXN456

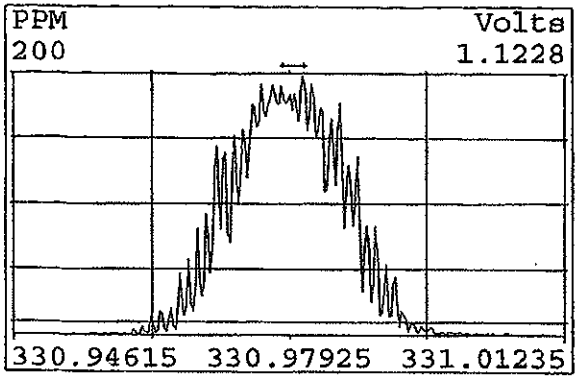
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	223948500	0.79	y	18:39	-	100.00	n
13C-2,3,7,8-TCDF	370833000	0.77	y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76	y	18:06	0.98	200.00	n
Total TCDF	-	-	n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80	y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78	y	18:52	1.07	200.00	n
Total TCDD	-	-	n	-	1.07	200.00	n
37Cl-2,3,7,8-TCDD	1227666000	1.00	y	18:52	2.74	200.00	n
13C-1,2,3,7,8-PeCDF	283018000	1.63	y	23:30	1.26	100.00	n
1,2,3,7,8-PeCDF	3129820000	1.57	y	23:32	1.11	1000.00	n
2,3,4,7,8-PeCDF	2975790000	1.57	y	24:57	1.05	1000.00	n
Total F2 PeCDF	-	-	n	-	1.08	2000.00	n
Total F1 PeCDF	-	-	n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	178526400	1.62	y	25:42	0.80	100.00	n
1,2,3,7,8-PeCDD	1892442000	1.58	y	25:44	1.06	1000.00	n
Total PeCDD	-	-	n	-	1.06	1000.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51	y	31:25	0.94	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24	y	31:27	1.32	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26	y	31:35	1.45	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25	y	32:16	1.36	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26	y	33:03	1.42	1000.00	n
Total HxCDF	-	-	n	-	1.38	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27	y	32:31	0.78	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25	y	32:27	1.11	1000.00	n
1,2,3,6,7,8-HxCDD	2046135000	1.28	y	32:32	1.15	1000.00	n
1,2,3,7,8,9-HxCDD	2448250000	1.27	y	32:51	1.37	1000.00	n
Total HxCDD	-	-	n	-	1.21	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	201777500	0.44	y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	2821880000	1.05	y	34:35	1.40	1000.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04	y	35:53	1.27	1000.00	n
Total HpCDF	-	-	n	-	1.33	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	180867800	1.08	y	35:31	0.79	100.00	n
1,2,3,4,6,7,8-HpCDD	1991700000	1.05	y	35:32	1.10	1000.00	n
Total HpCDD	-	-	n	-	1.10	1000.00	n
13C-OCDD	281979000	0.89	y	38:19	0.61	200.00	n
OCDF	4472470000	0.91	y	38:26	1.59	2000.00	n
OCDD	3427190000	0.90	y	38:20	1.22	2000.00	n

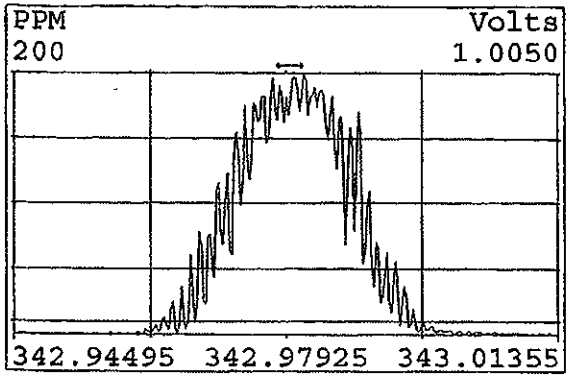
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
31DE09A1D5	1	CP1231A	DB-5 CPSM 3732-04				1.000	
31DE09A1D5	2	ST1231B	CS-1 09DXN422				1.000	
31DE09A1D5	3	ST1231C	CS-2 09DXN423				1.000	
31DE09A1D5	4	ST1231D	CS-3 09DXN425				1.000	
31DE09A1D5	5	ST1231E	CS-4 09DXN426				1.000	
31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
31DE09A1D5	8	ST1231G	2nd Source 09DXN449	500	1613B/8290		1.000	
31DE09A1D5	9						1.000	
31DE09A1D5	10						1.000	
31DE09A1D5	11						1.000	
31DE09A1D5	12						1.000	
31DE09A1D5	13						1.000	
31DE09A1D5	14						1.000	
31DE09A1D5	15		AM 12-31-09				1.000	
31DE09A1D5	16						1.000	

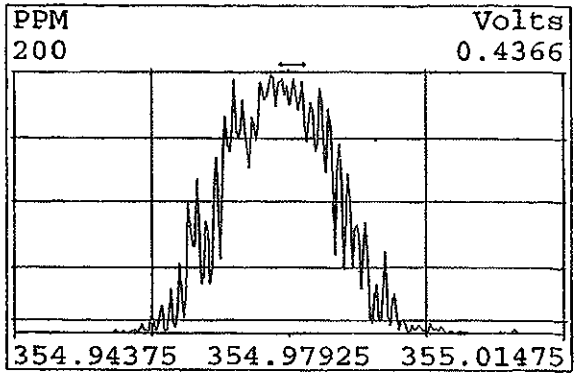
Peak Locate Examination:31-DEC-2009:23:19 File:31DE09A1D5
Experiment:DIOXIN Function:1 Reference:PFK

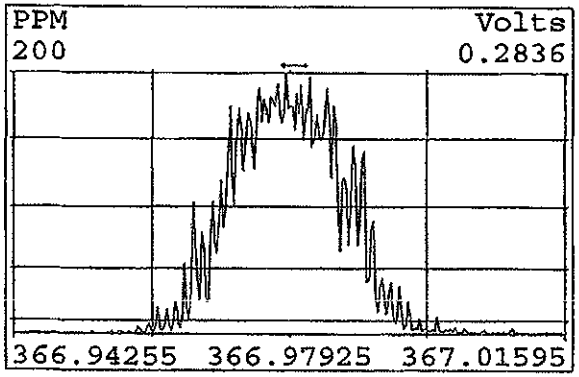


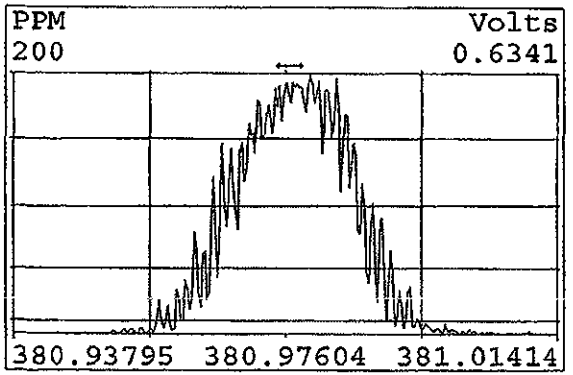
Peak Locate Examination:31-DEC-2009:23:20 File:31DE09A1D5
Experiment:DIOXIN Function:2 Reference:PFK

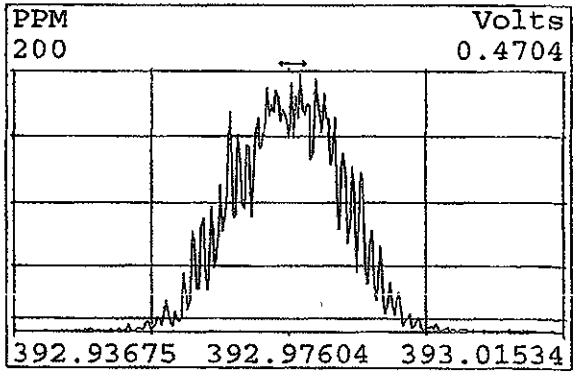


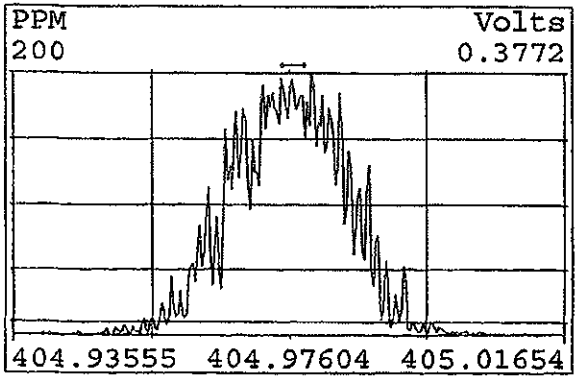


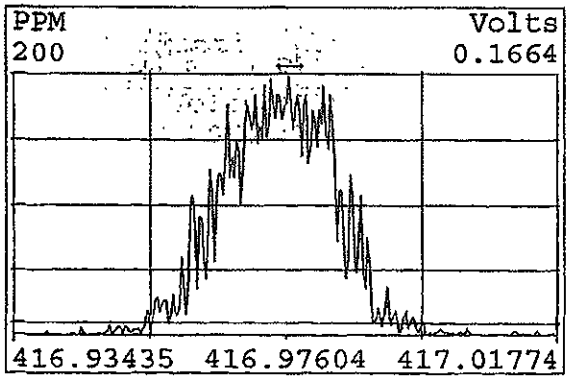




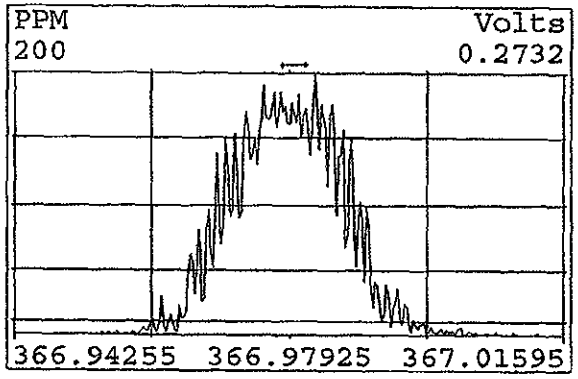


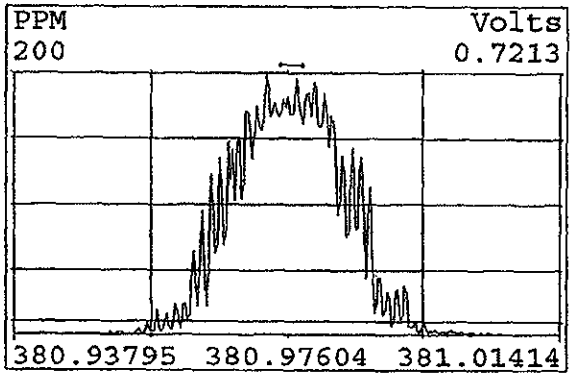


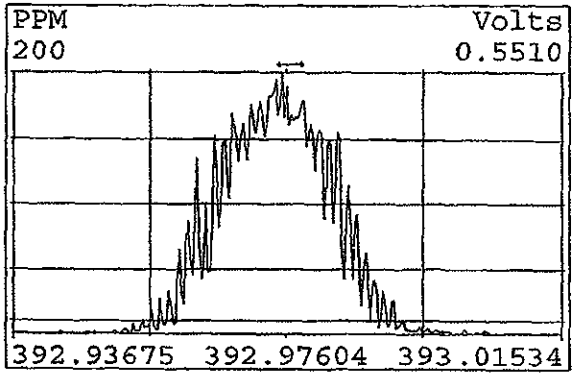


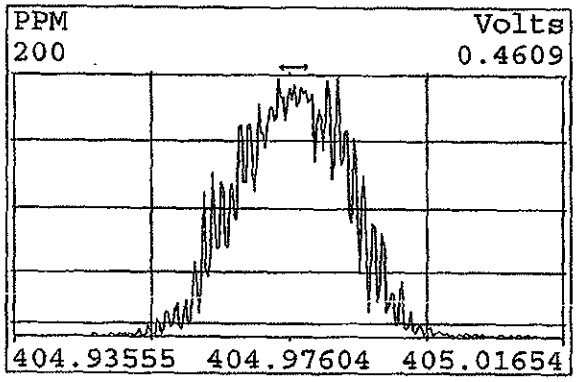


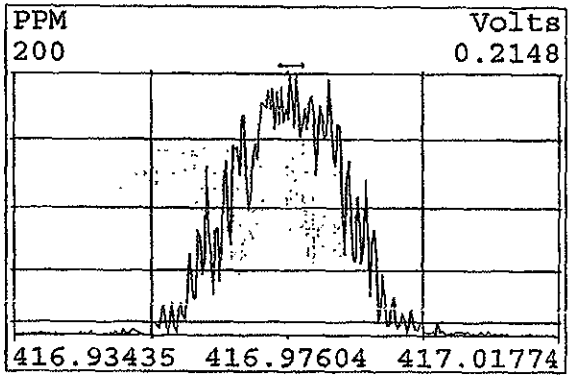
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5
Experiment:DIOXIN Function:3 Reference:PFK

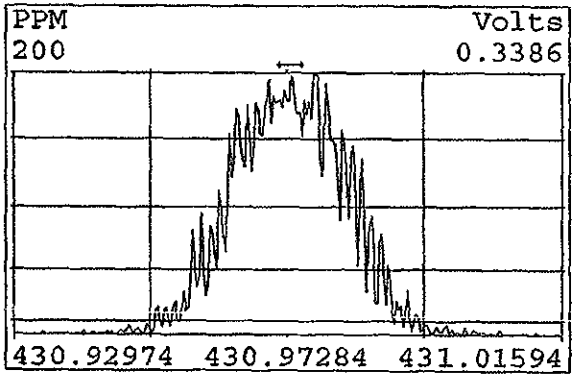


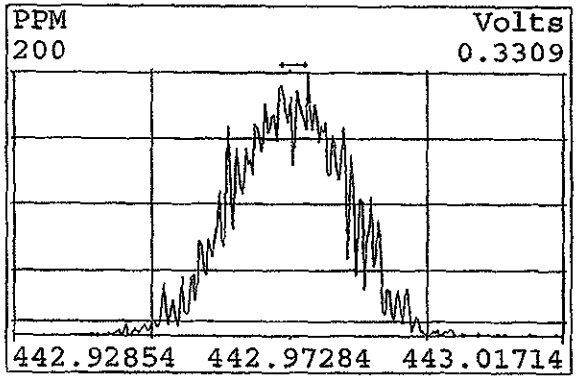


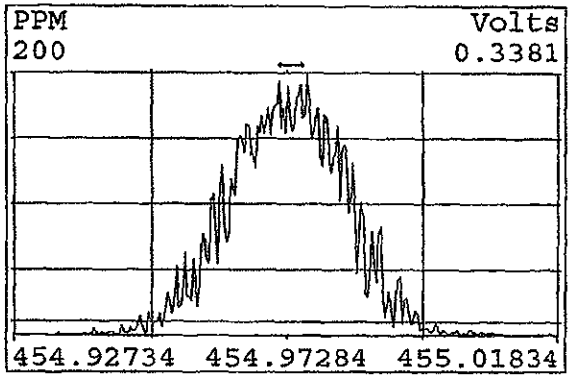




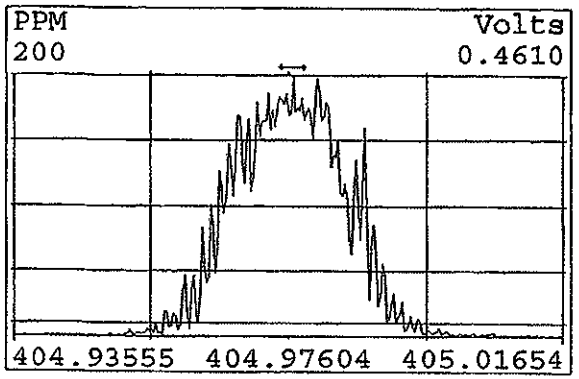


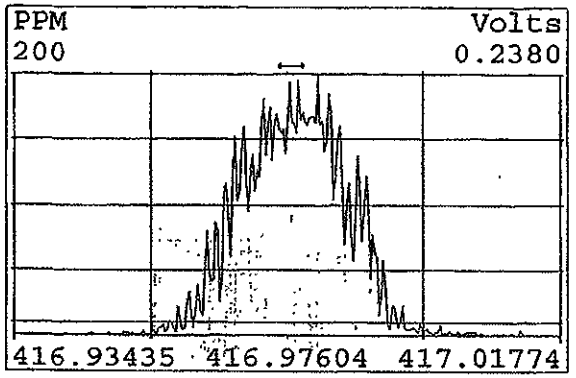


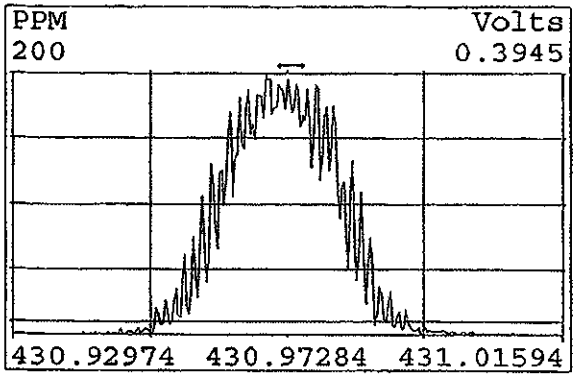


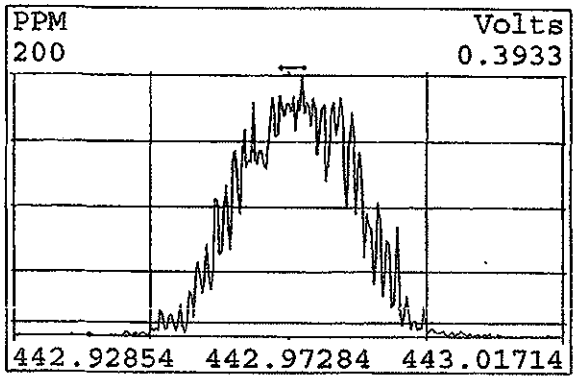


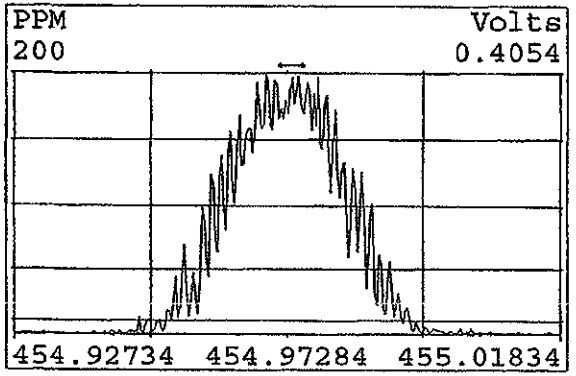
Peak Locate Examination:31-DEC-2009:23:22 File:31DE09A1D5
Experiment:DIOXIN Function:4 Reference:PFK

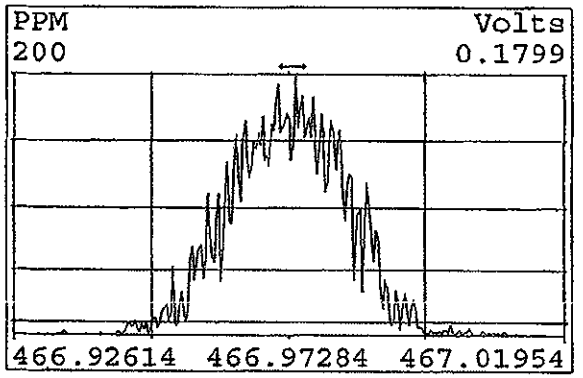


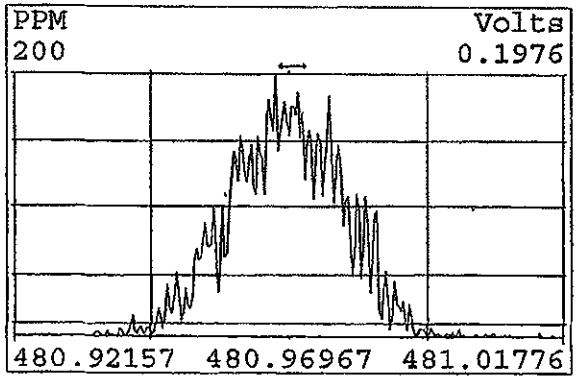




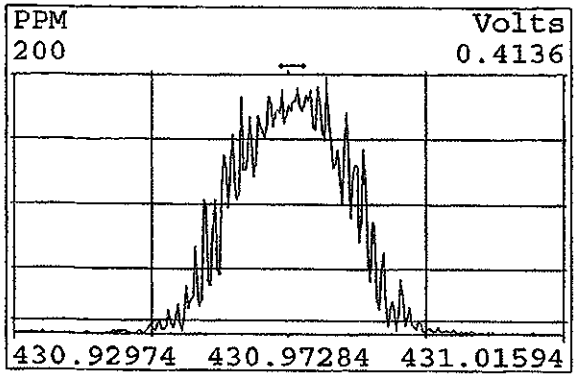


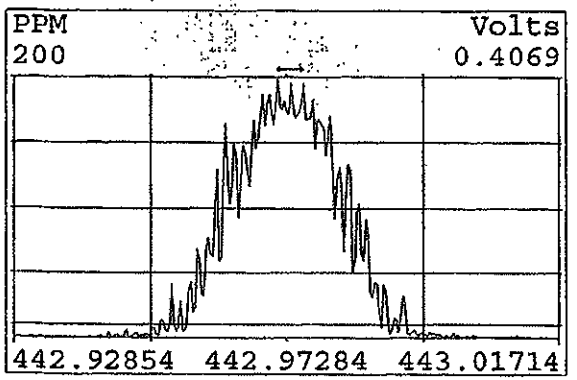


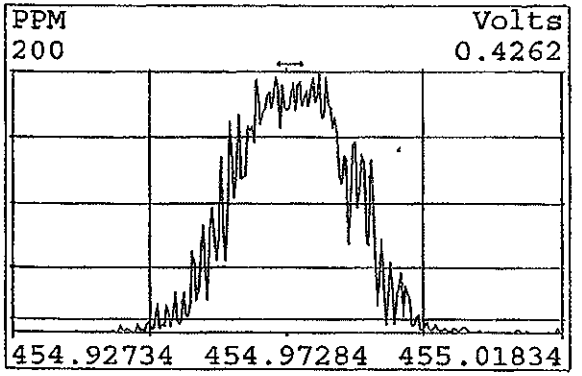


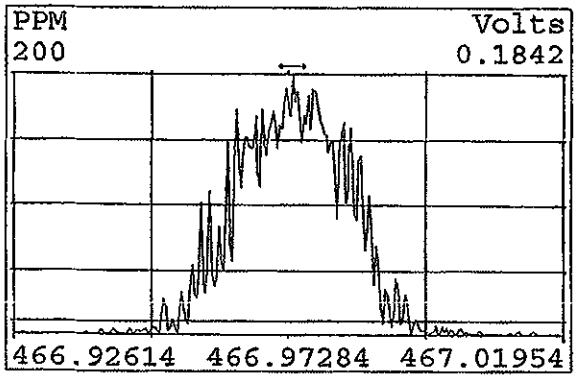


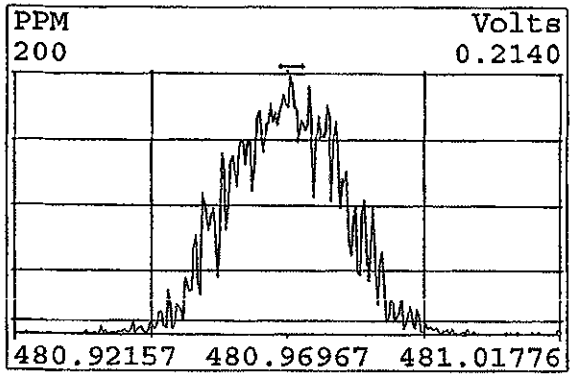
Peak Locate Examination:31-DEC-2009:23:24 File:31DE09A1D5
Experiment:DIOXIN Function:5 Reference:PFK

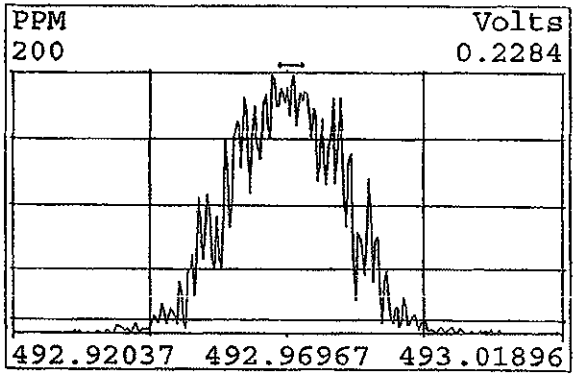


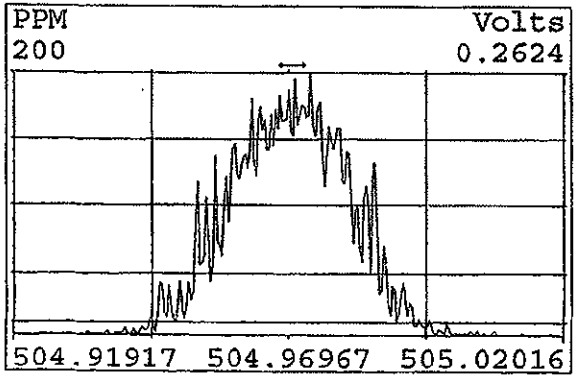


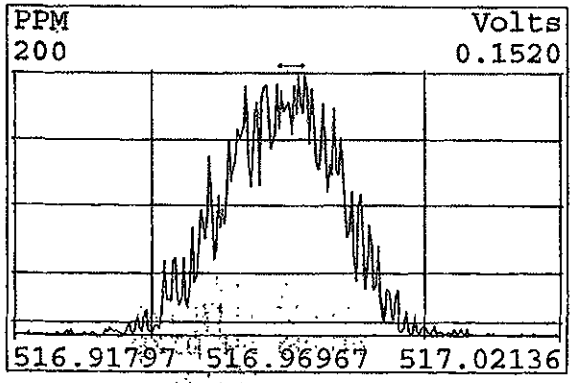




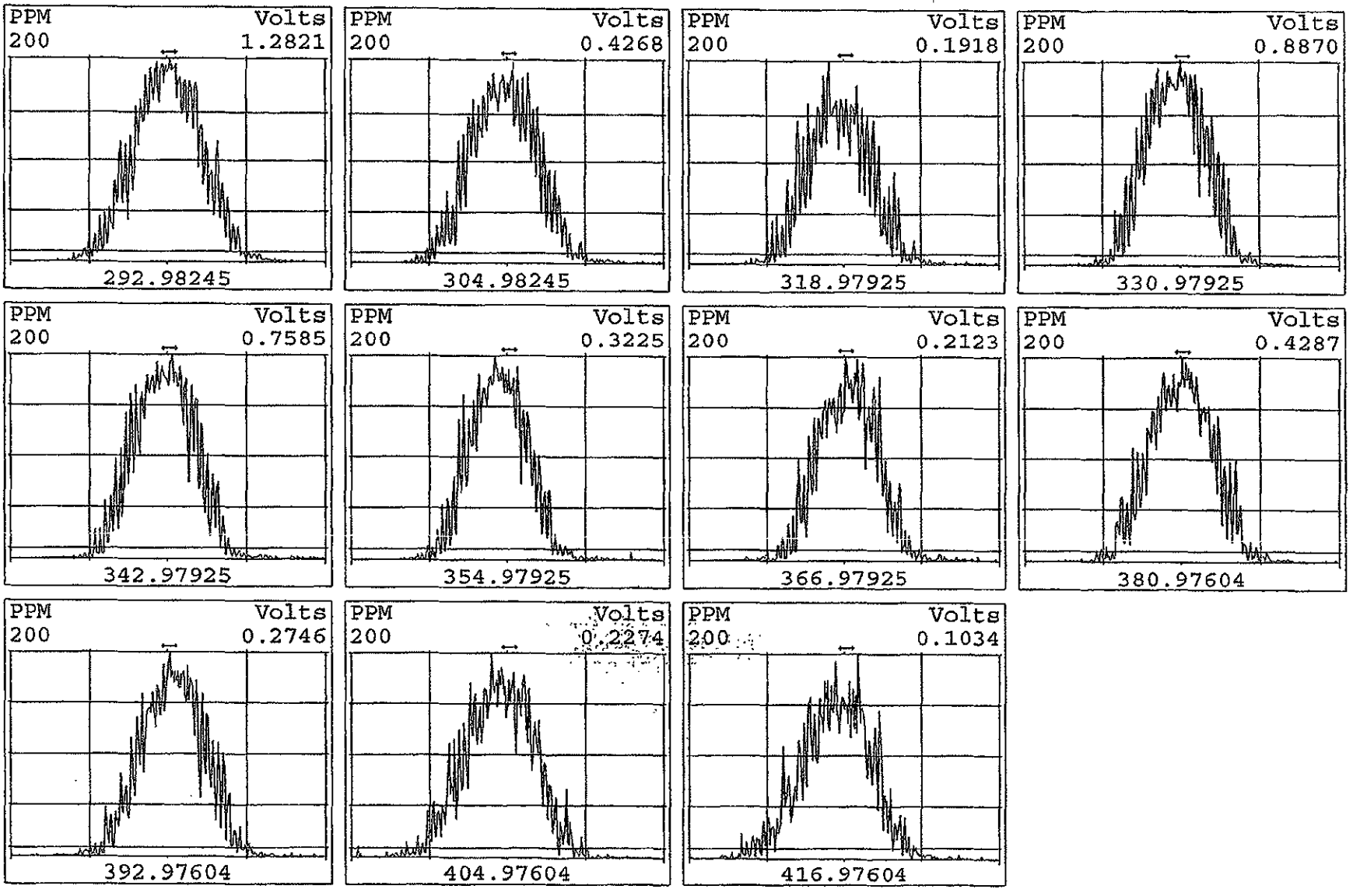




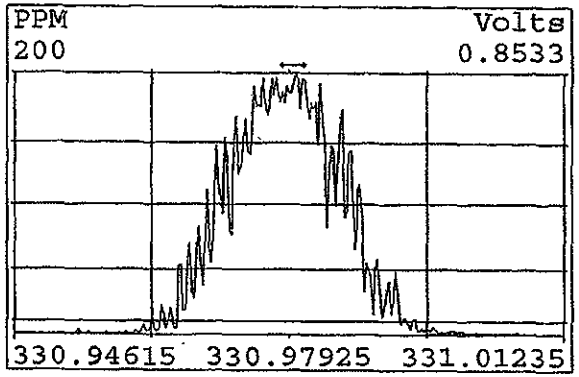


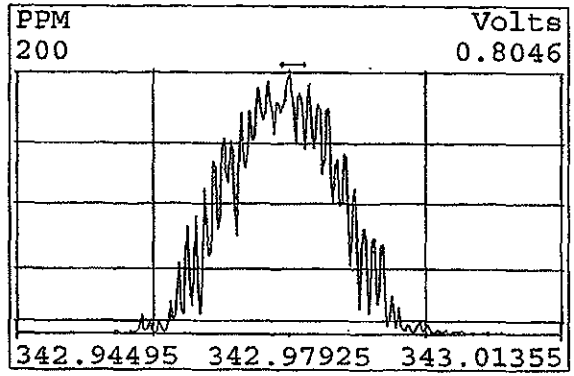


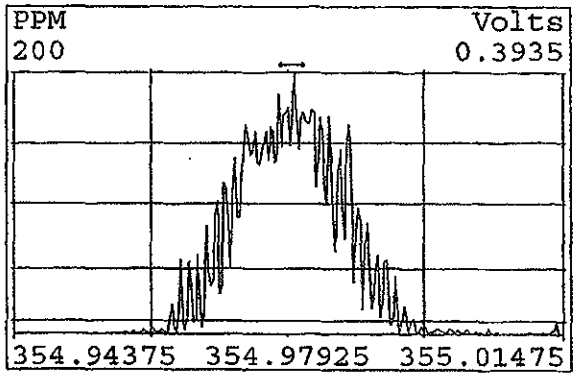
Peak Locate Examination: 1-JAN-2010:07:36 File:RESCHECK1D5
Experiment:DIOXIN Function:1 Reference:PFK

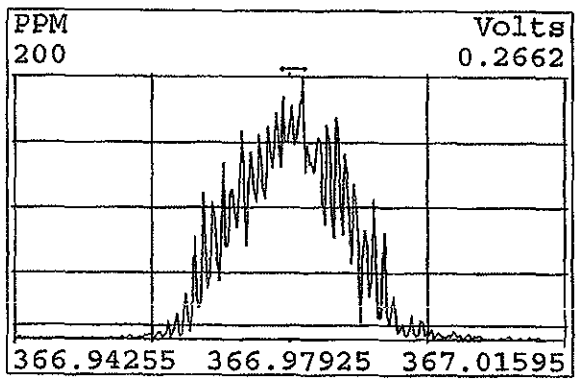


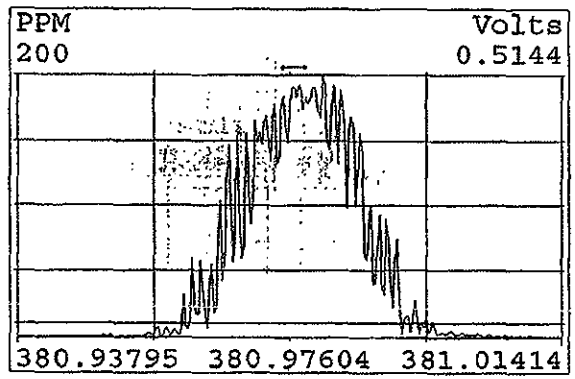
Peak Locate Examination: 1-JAN-2010:07:37 File:RESCHECK1D5
Experiment:DIOXIN Function:2 Reference:PFK

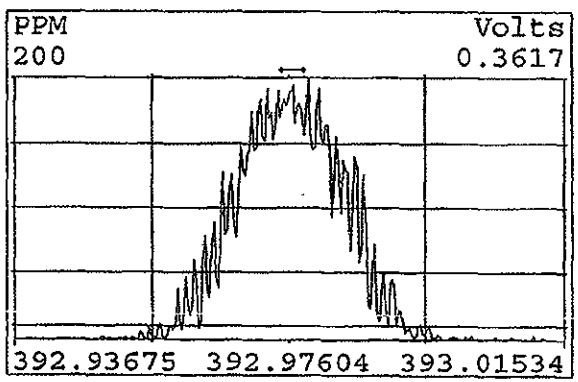


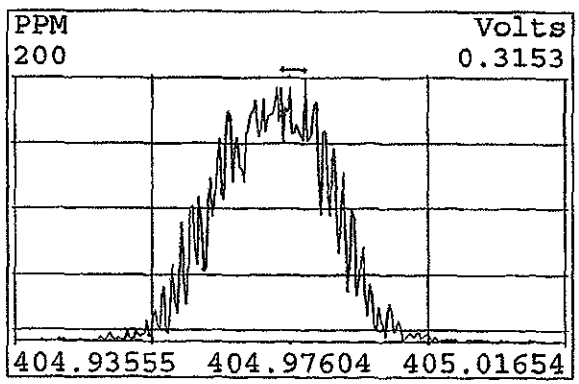


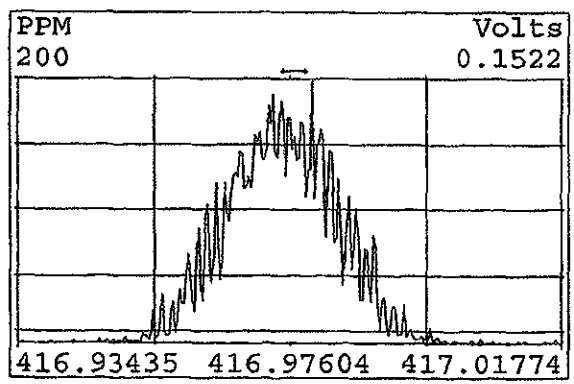




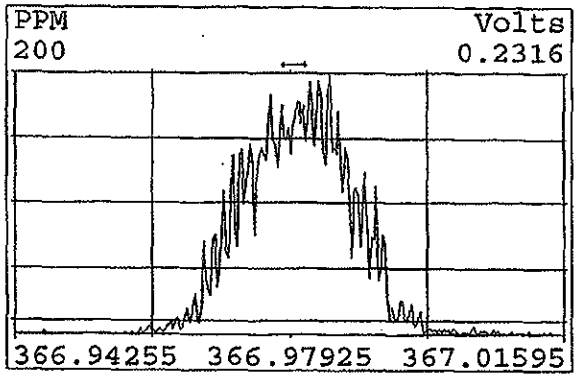


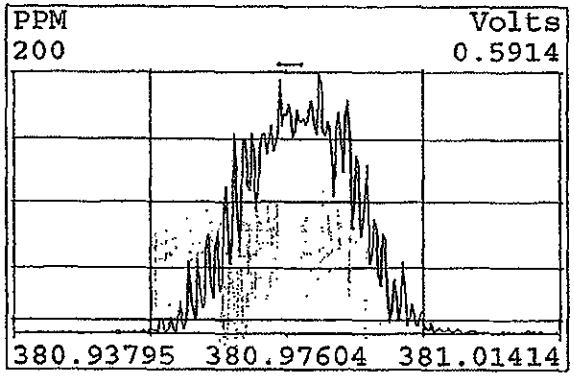


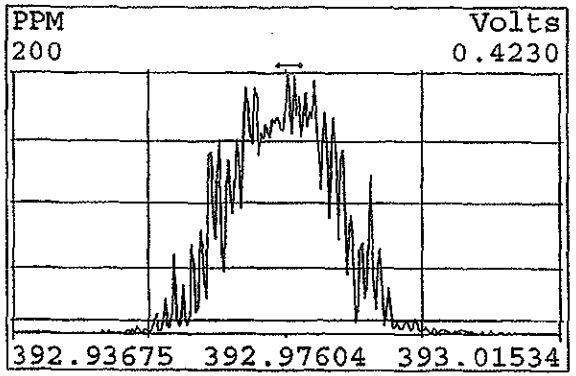


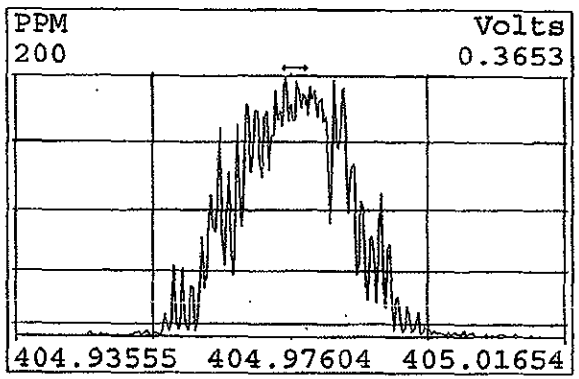


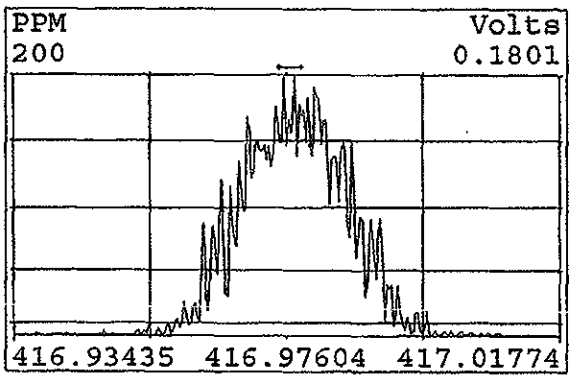
Peak Locate Examination: 1-JAN-2010:07:38 File:RESCHECK1D5
Experiment:DIOXIN Function:3 Reference:PFK

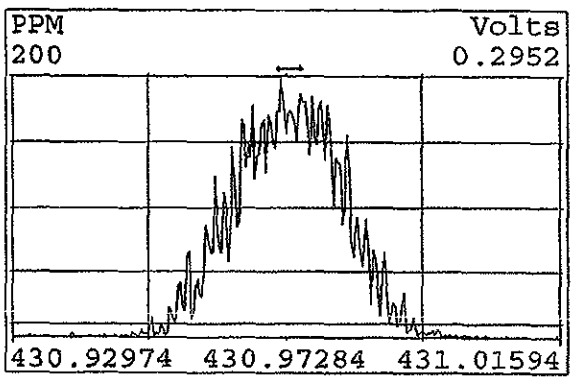


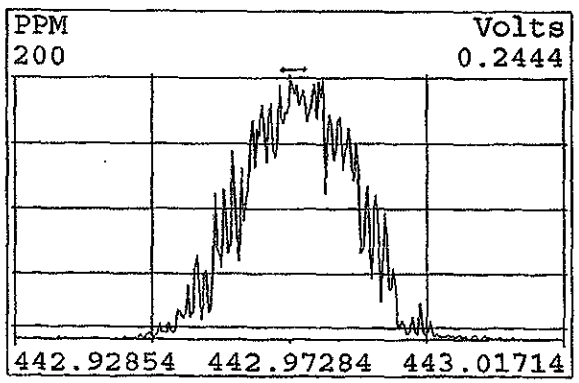


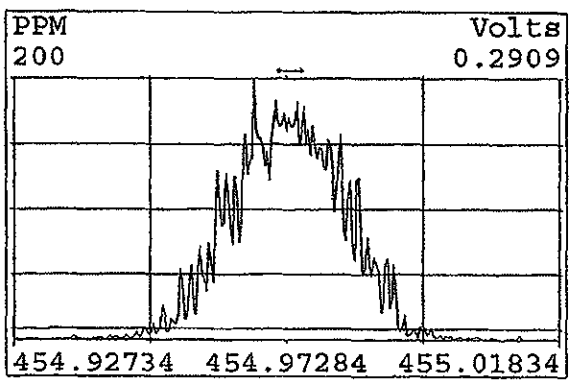




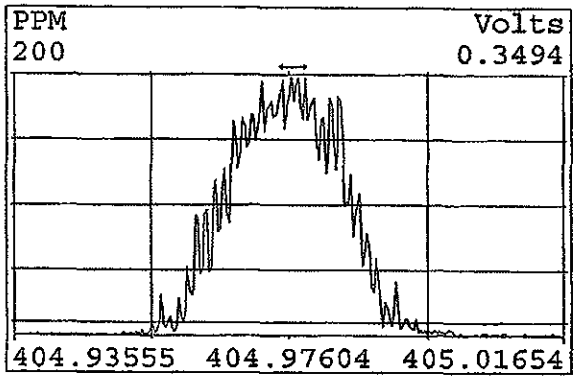


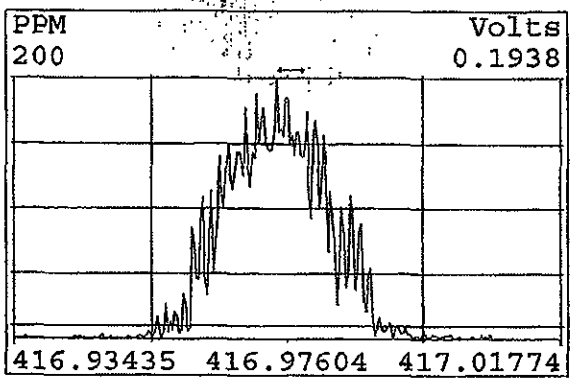


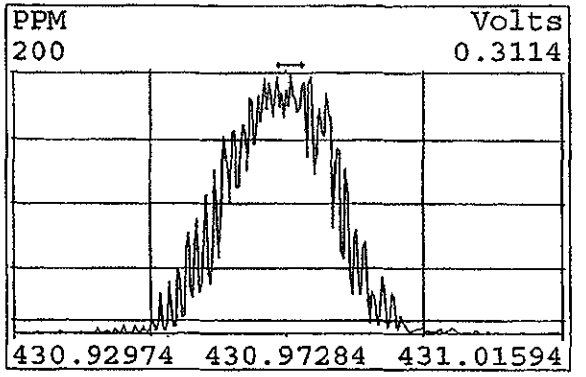


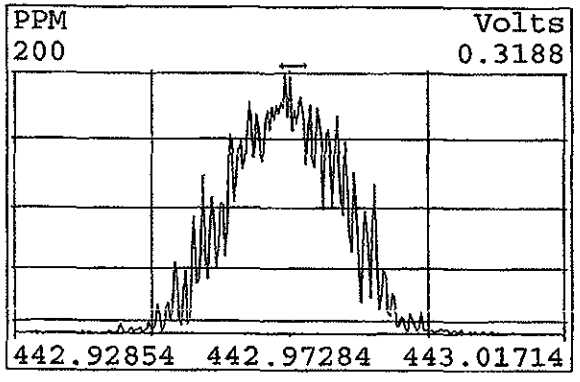


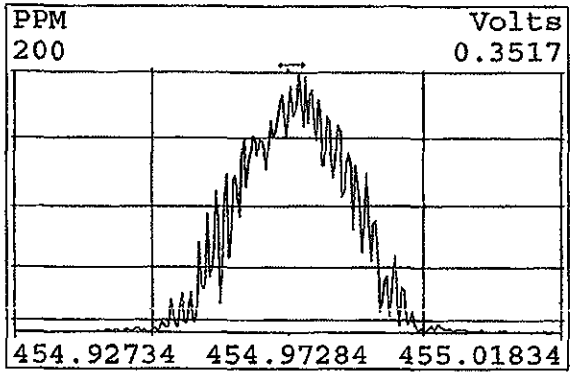
Peak Locate Examination: 1-JAN-2010:07:39 File:RESCHECK1D5
Experiment:DIOXIN Function:4 Reference:PFK

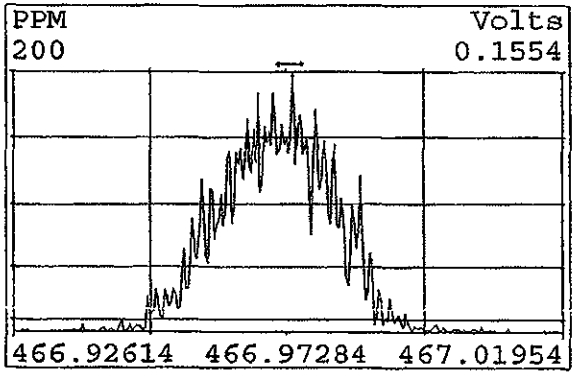


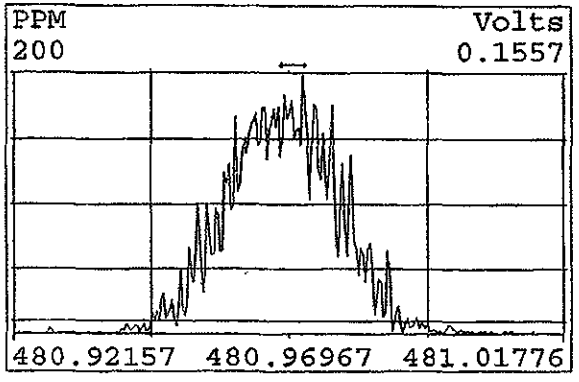




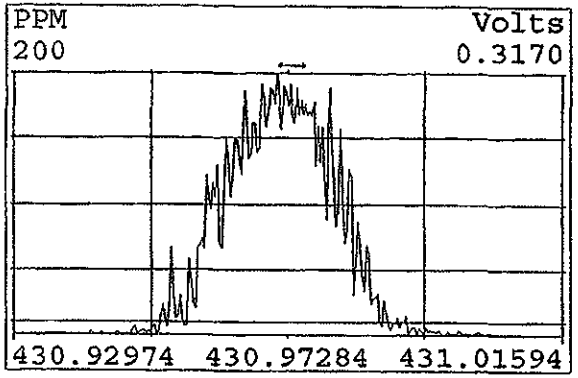


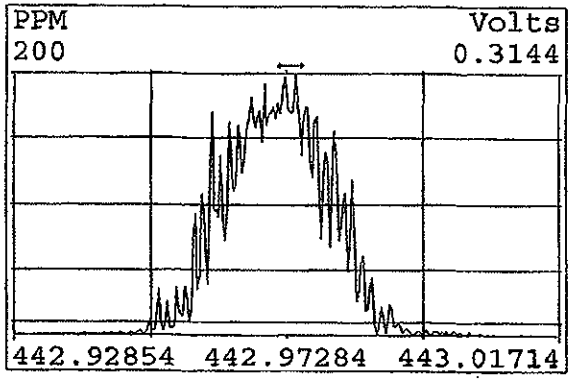


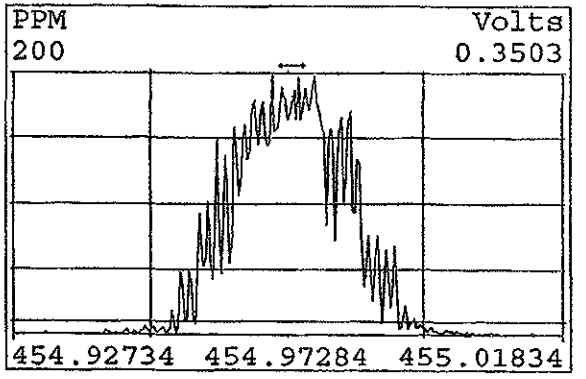


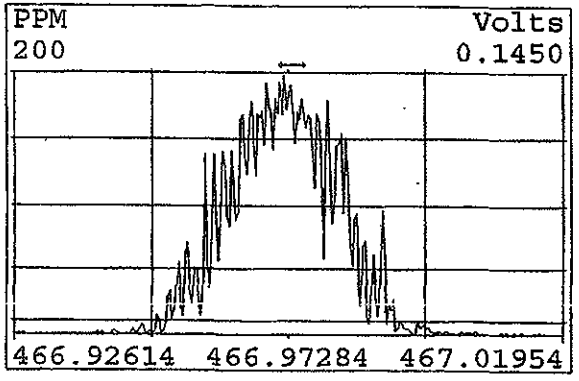


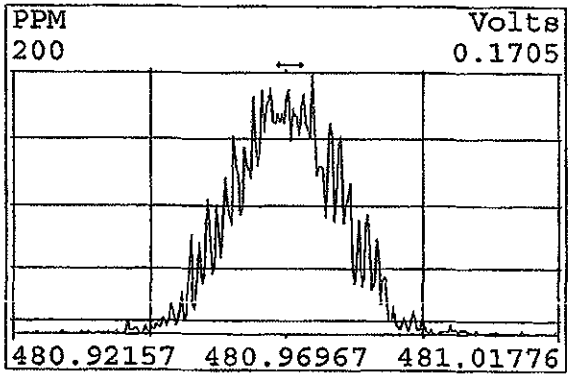
Peak Locate Examination: 1-JAN-2010:07:40 File:RESCHECK1D5
Experiment:DIOXIN Function:5 Reference:PFK

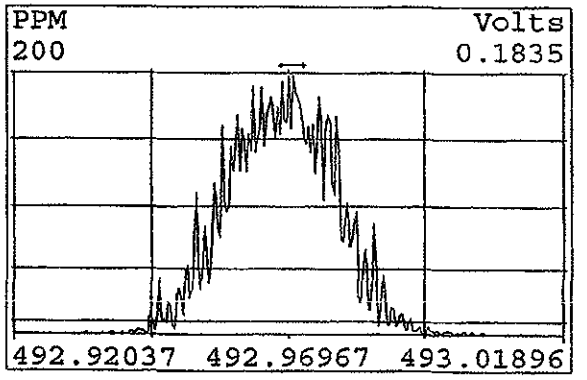


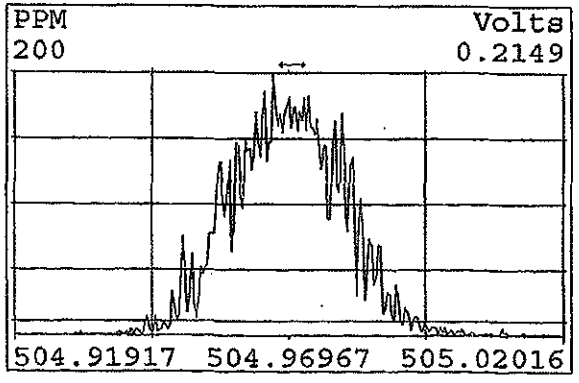


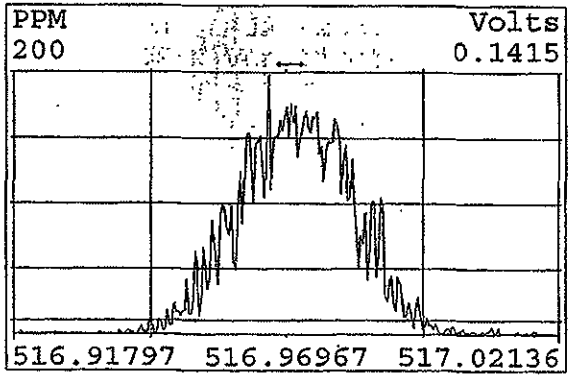




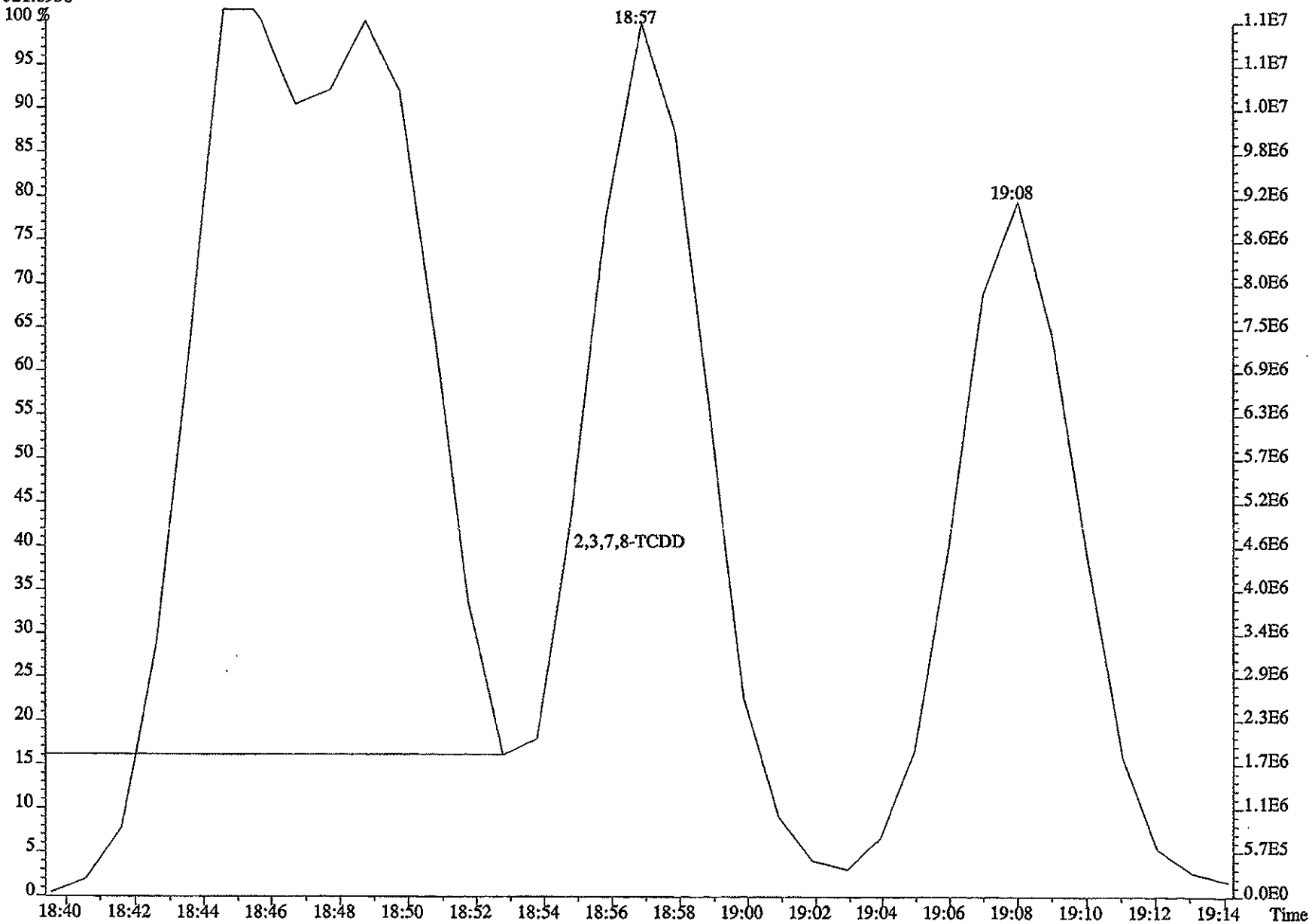








File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
321.8936

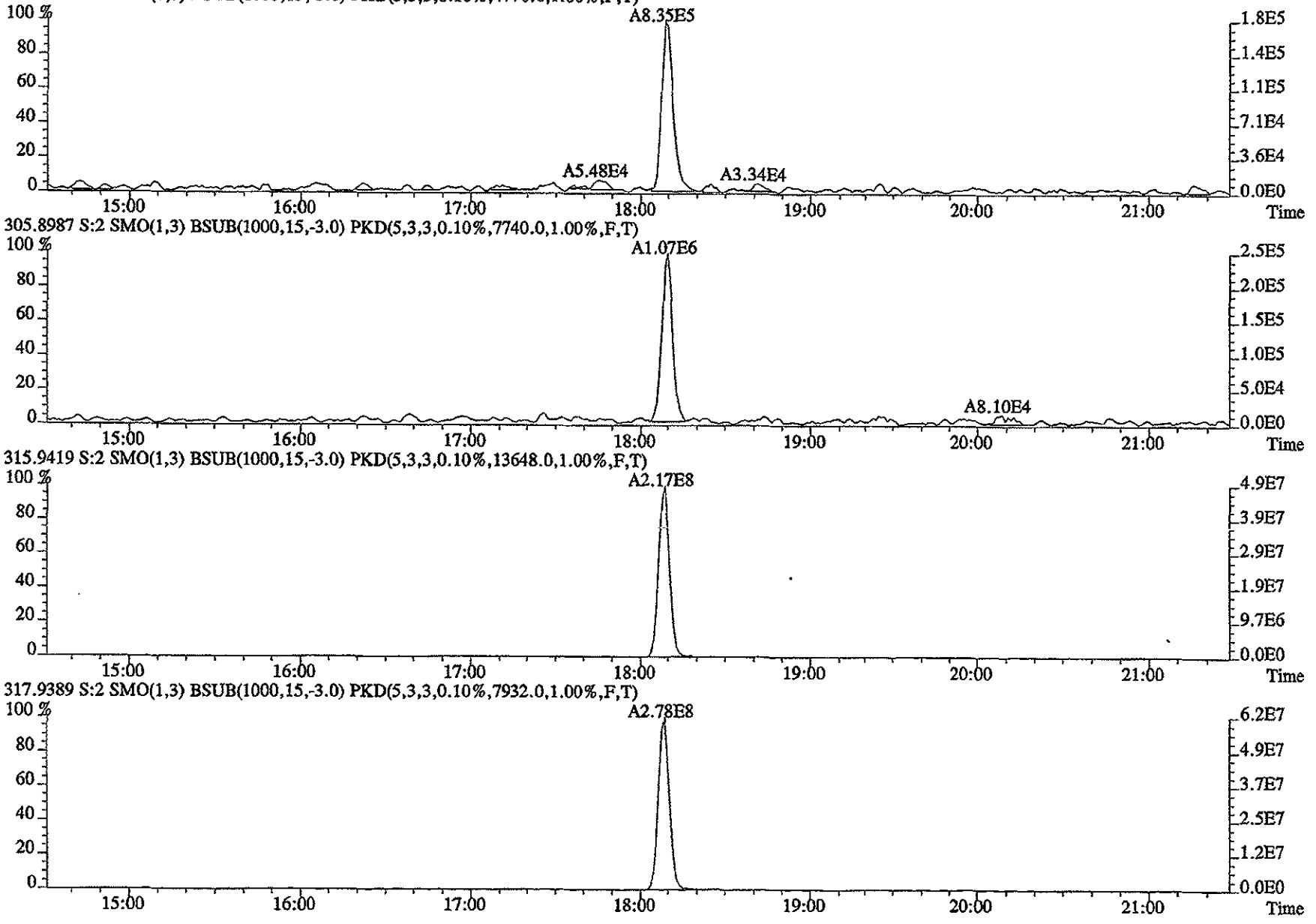


Run text: ST1231G Sample text: ST1231G :2nd Source 09DXN449
Run #6 Filename: 31DE09A1D5 S: 8 I: 1 Results: 31DE09A1D51613
Acquired: 1-JAN-10 04:19:56 Processed: 4-JAN-10 08:47:22
Run: 31DE09A1D5 Analyte: 1613 Cal: 16131231091D5
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

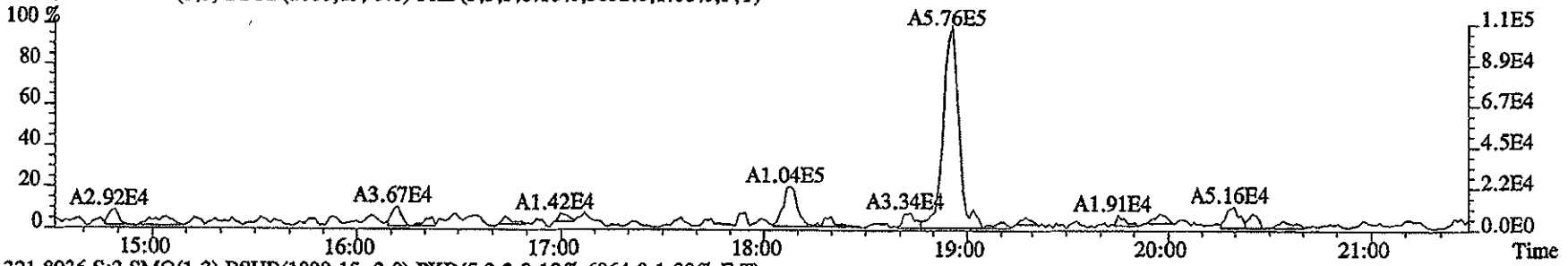
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	233268000	0.81	y	18:42	-	74.89	-	3.7	n
13C-2,3,7,8-TCDF	353417000	0.79	y	18:09	1.57	1934.92	1.89	96.7	n
2,3,7,8-TCDF	29473900	0.75	y	18:10	0.86	193.98	1.19	-	n
Total TCDF	29878342	0.71	y	17:44	0.86	196.64	1.19	-	n
13C-2,3,7,8-TCDD	237599000	0.79	y	18:54	0.99	2050.84	3.63	102.5	n
2,3,7,8-TCDD	20517060	0.77	y	18:55	0.93	184.95	1.19	-	n
Total TCDD	20584547	4.35	n	18:08	0.93	185.56	1.19	-	n
37Cl-2,3,7,8-TCDD	54584600	1.00	y	18:55	2.22	210.99	0.58	105.5	n
13C-1,2,3,7,8-PeCDF	258286200	1.61	y	23:34	1.07	2064.12	1.55	103.2	n
1,2,3,7,8-PeCDF	61444300	1.63	y	23:35	1.00	475.75	1.74	-	n
13C-2,3,4,7,8-PeCDF	243753700	1.62	y	24:59	1.03	2025.63	1.61	101.3	n
2,3,4,7,8-PeCDF	55918300	1.65	y	25:01	0.98	469.60	2.00	-	n
Total F2 PeCDF	119226673	0.82	n	22:06	0.99	960.37	1.86	-	n
Total F1 PeCDF	218994	0.56	n	16:04	0.99	1.76	1.60	-	n
13C-1,2,3,7,8-PeCDD	156506400	1.64	y	25:46	0.67	2013.73	1.54	100.7	n
1,2,3,7,8-PeCDD	33662100	1.63	y	25:48	0.93	462.96	2.68	-	n
Total PeCDD	33824671	3.66	n	25:27	0.93	465.20	2.68	-	n
13C-1,2,3,7,8,9-HxCDD	177940200	1.25	y	32:51	-	64.87	-	-	n
13C-1,2,3,4,7,8-HxCDF	184934800	0.51	y	31:27	0.89	2328.15	4.47	116.4	n
1,2,3,4,7,8-HxCDF	53136200	1.31	y	31:28	1.20	479.25	2.45	-	n
13C-1,2,3,6,7,8-HxCDF	244860900	0.52	y	31:36	1.14	2407.44	3.49	120.4	n
1,2,3,6,7,8-HxCDF	62674400	1.23	y	31:37	1.07	477.98	2.04	-	n
13C-2,3,4,6,7,8-HxCDF	206484200	0.51	y	32:17	0.99	2340.79	4.03	117.0	n
2,3,4,6,7,8-HxCDF	51999200	1.28	y	32:18	1.12	450.75	2.09	-	n
13C-1,2,3,7,8,9-HxCDF	200333300	0.51	y	33:03	1.07	2099.56	3.72	105.0	n
1,2,3,7,8,9-HxCDF	52210900	1.25	y	33:04	1.09	476.28	2.26	-	n
Total HxCDF	220020700	1.31	y	31:28	1.12	1884.27	2.20	-	n
13C-1,2,3,4,7,8-HxCDD	148948400	1.25	y	32:27	0.73	2291.14	1.29	114.6	n
1,2,3,4,7,8-HxCDD	35533800	1.25	y	32:28	0.97	493.76	1.44	-	n
13C-1,2,3,6,7,8-HxCDD	152466700	1.30	y	32:33	0.73	2340.82	1.29	117.0	n
1,2,3,6,7,8-HxCDD	38830200	1.26	y	32:34	1.06	481.27	1.47	-	n
1,2,3,7,8,9-HxCDD	40200100	1.26	y	32:52	1.27	419.65	1.16	-	n
Total HxCDD	114605618	3.00	n	32:17	1.10	1395.19	1.34	-	n
13C-1,2,3,4,6,7,8-HpCDF	173164700	0.43	y	34:36	0.86	2262.83	6.25	113.1	n
1,2,3,4,6,7,8-HpCDF	54083400	1.05	y	34:37	1.29	485.50	1.92	-	n
13C-1,2,3,4,7,8,9-HpCDF	152527600	0.42	y	35:53	0.77	2233.57	7.00	111.7	n
1,2,3,4,7,8,9-HpCDF	44615700	1.05	y	35:54	1.27	459.77	2.42	-	n
Total HpCDF	98699100	1.05	y	34:37	1.28	945.27	2.15	-	n

13C-1,2,3,4,6,7,8-HpCDD	150261100	1.06	y	35:32	0.75	2245.36	4.02	112.3	n
1,2,3,4,6,7,8-HpCDD	35301400	1.05	y	35:33	1.00	470.89	2.29	-	n
Total HpCDD	35553500	0.78	n	34:54	1.00	474.25	2.29	-	n
13C-OCDD	214408000	0.91	y	38:20	0.56	4269.63	4.55	106.7	n
OCDF	71179900	0.89	y	38:28	1.44	923.89	2.51	-	n
OCDD	55918600	0.88	y	38:20	1.11	940.23	2.77	-	n

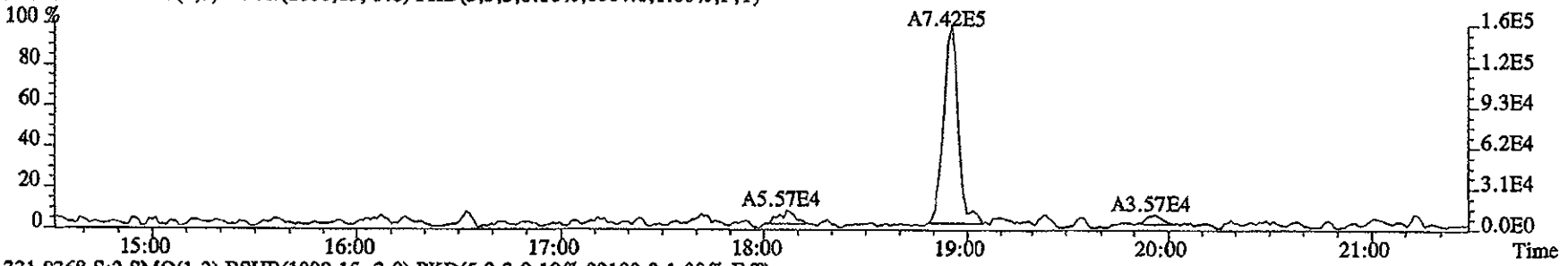
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN



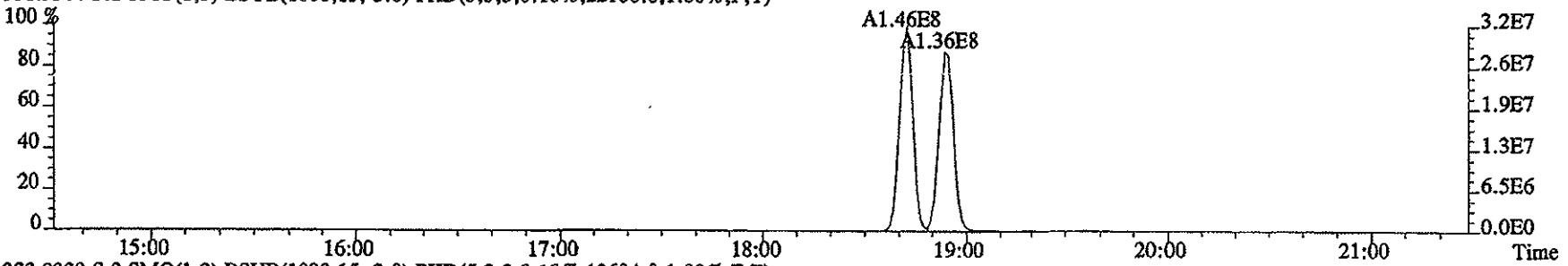
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



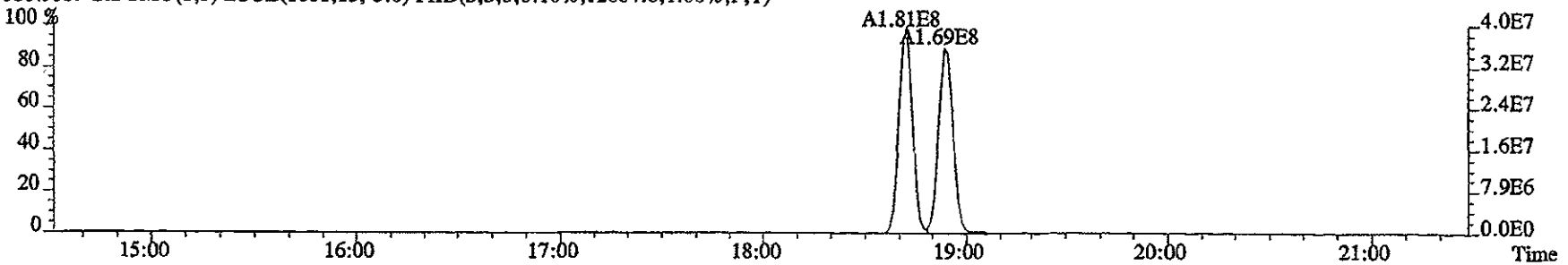
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6064.0,1.00%,F,T)

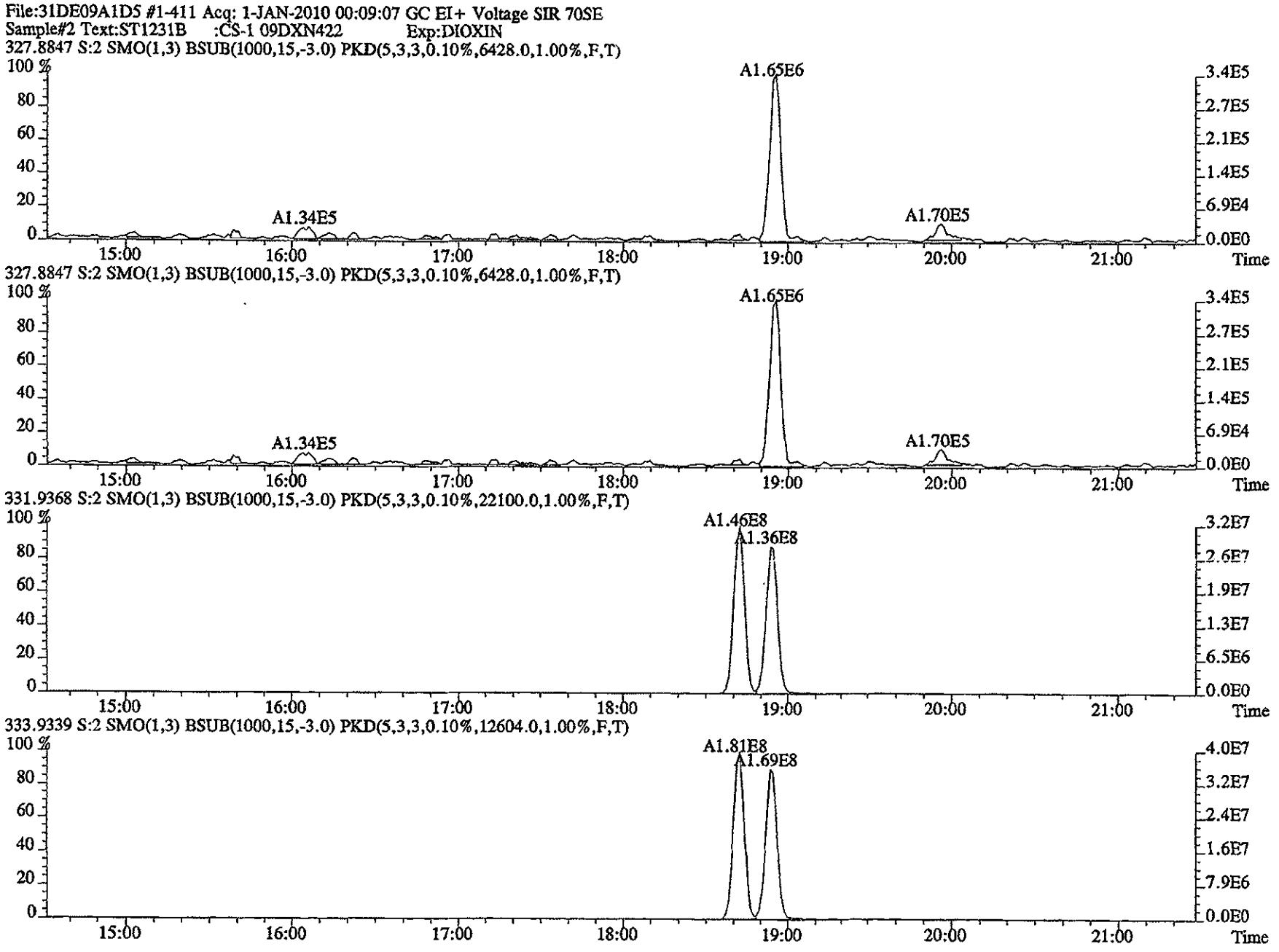


331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22100.0,1.00%,F,T)

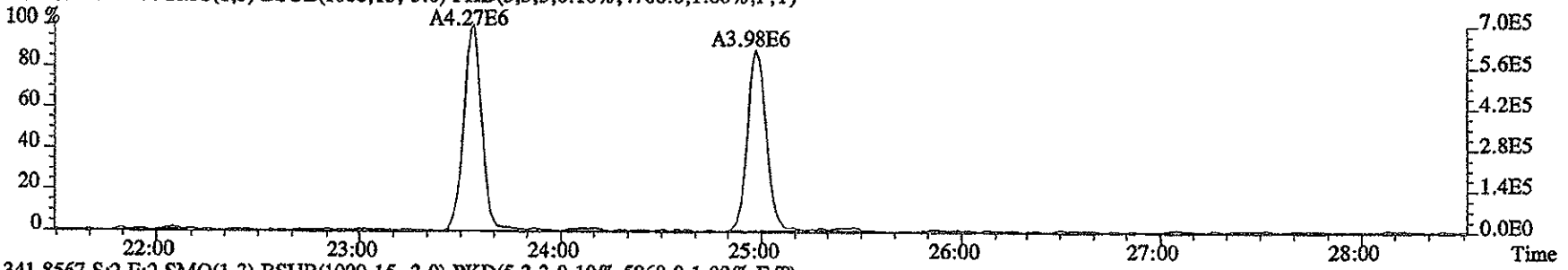


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12604.0,1.00%,F,T)

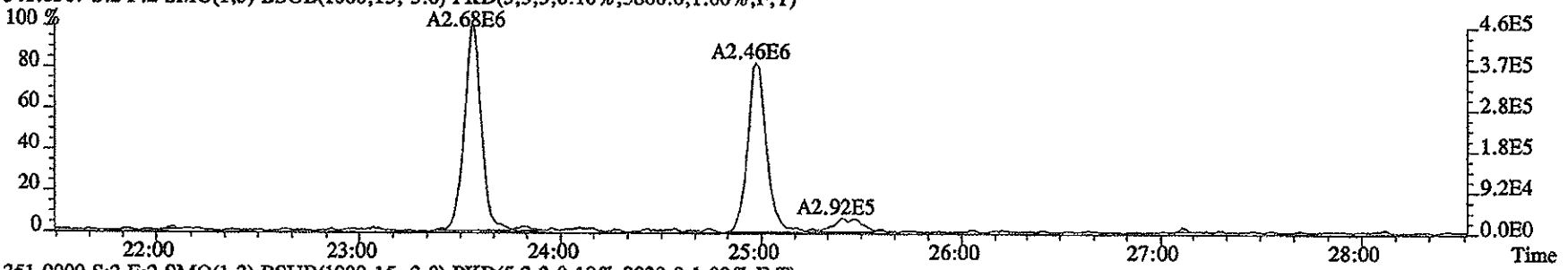




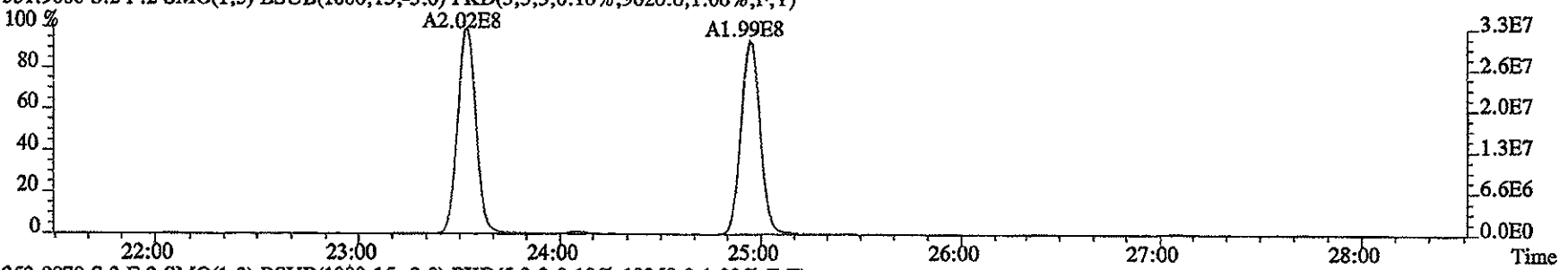
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)



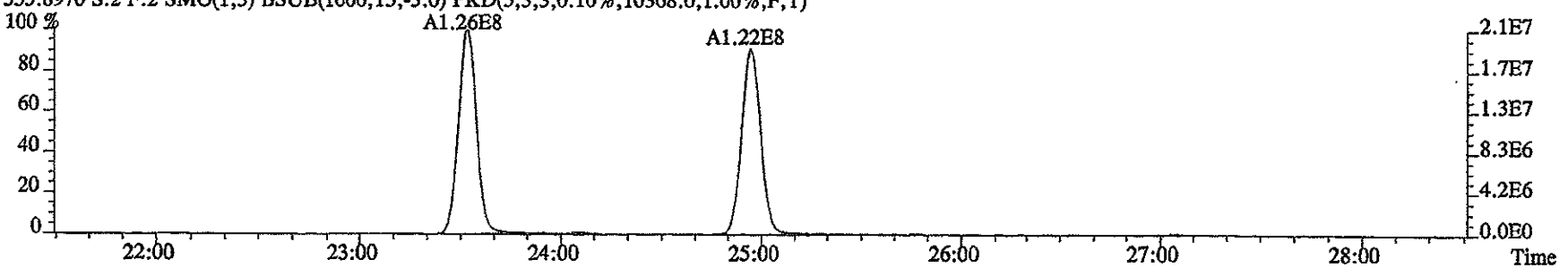
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)



351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9020.0,1.00%,F,T)

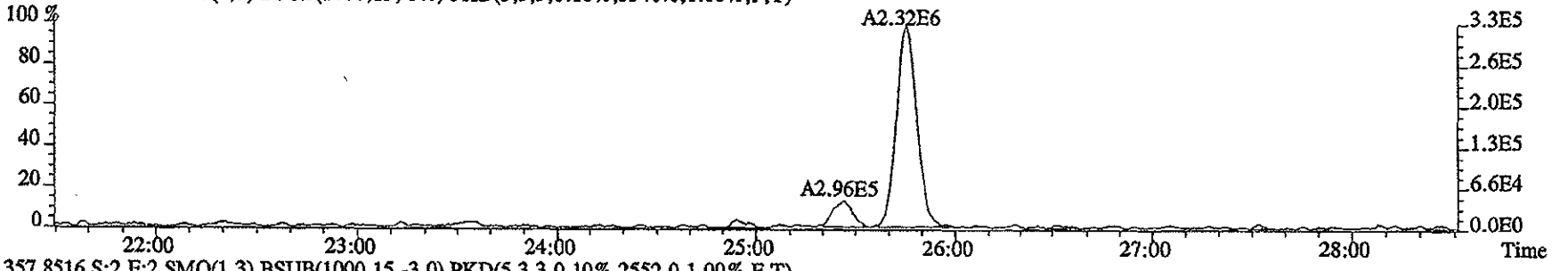


353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10368.0,1.00%,F,T)

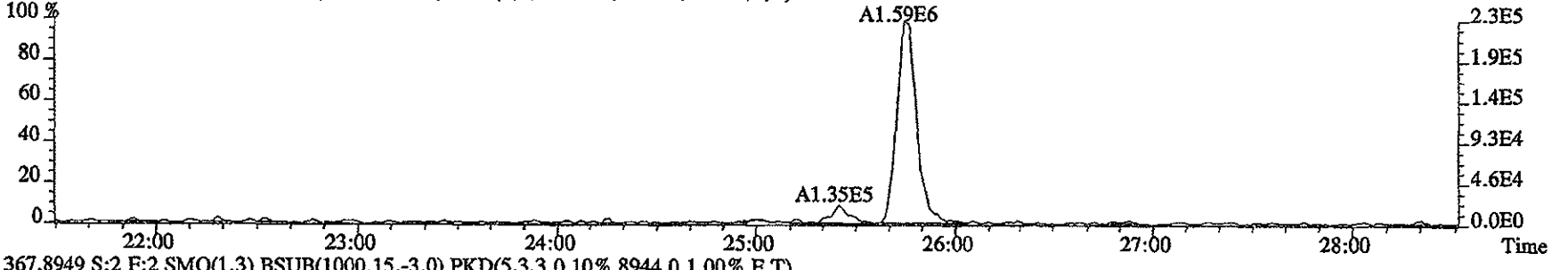


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

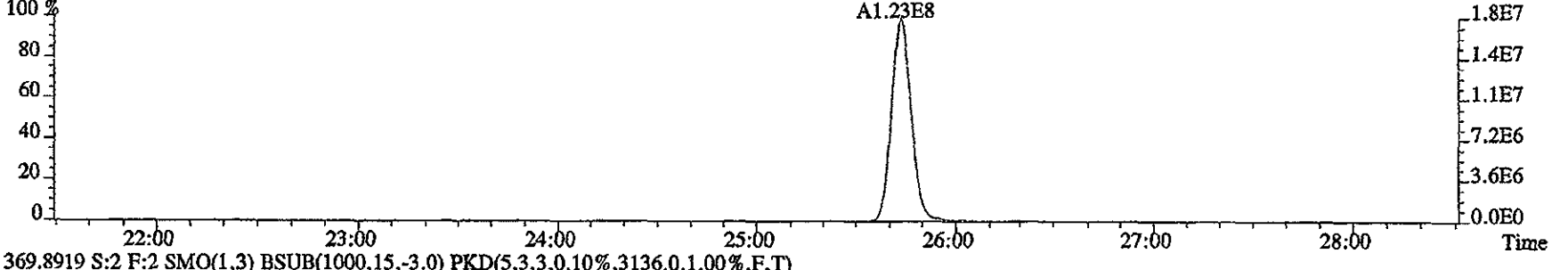
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5340.0,1.00%,F,T)



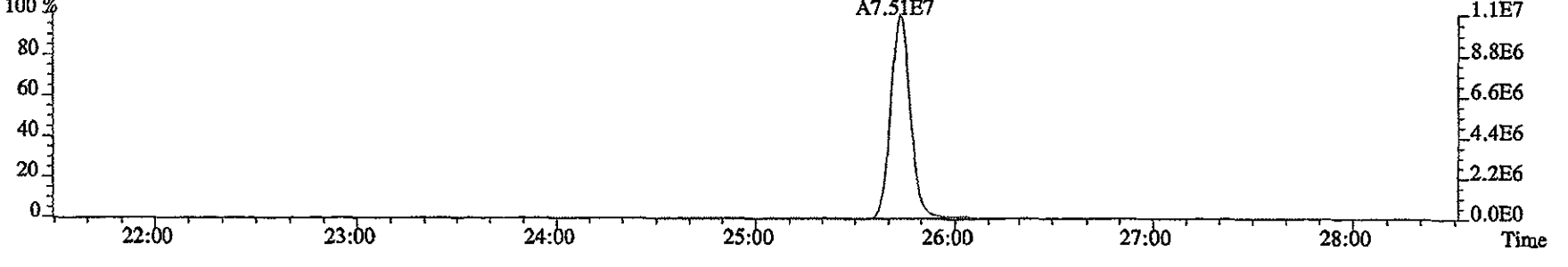
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



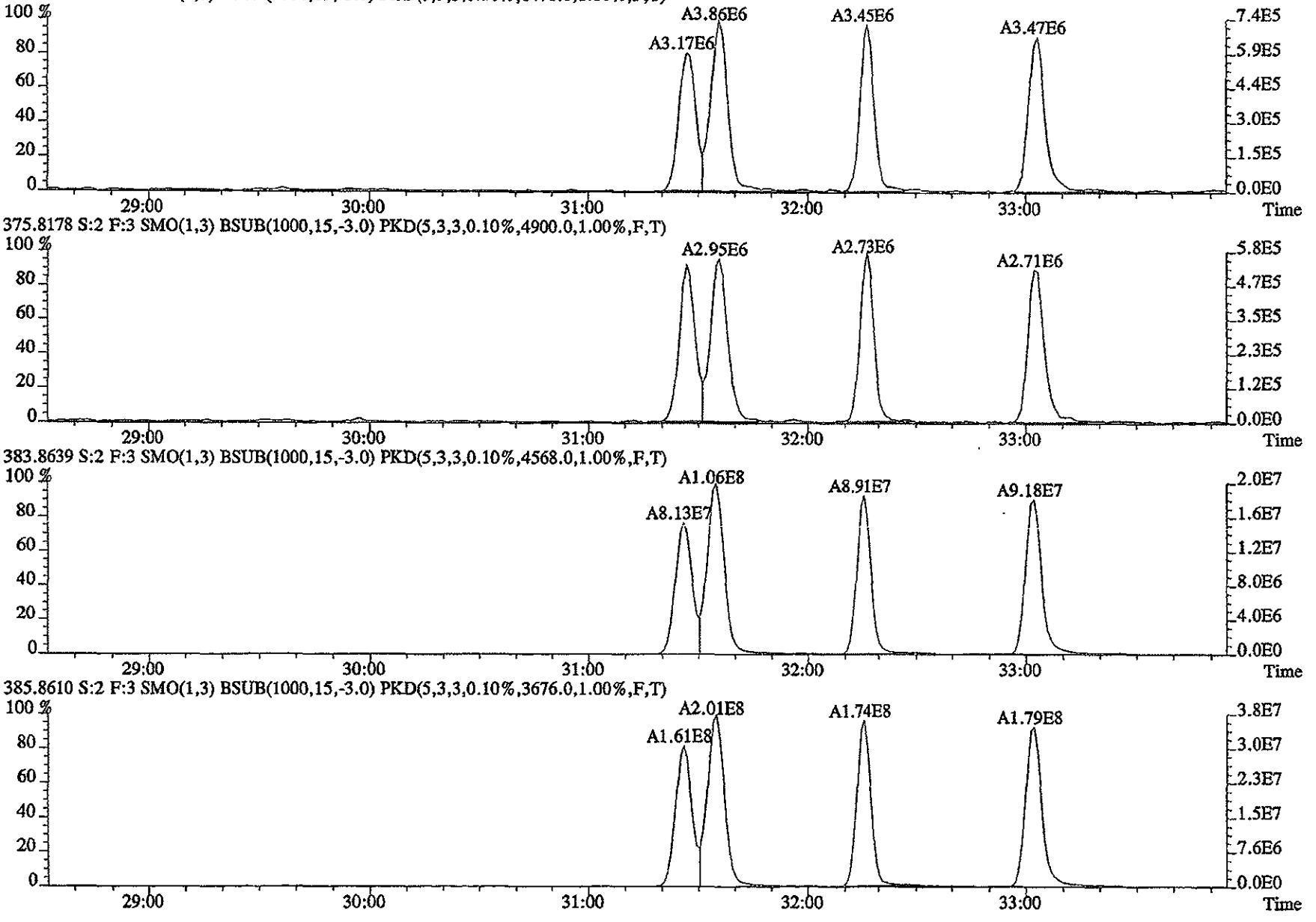
367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8944.0,1.00%,F,T)



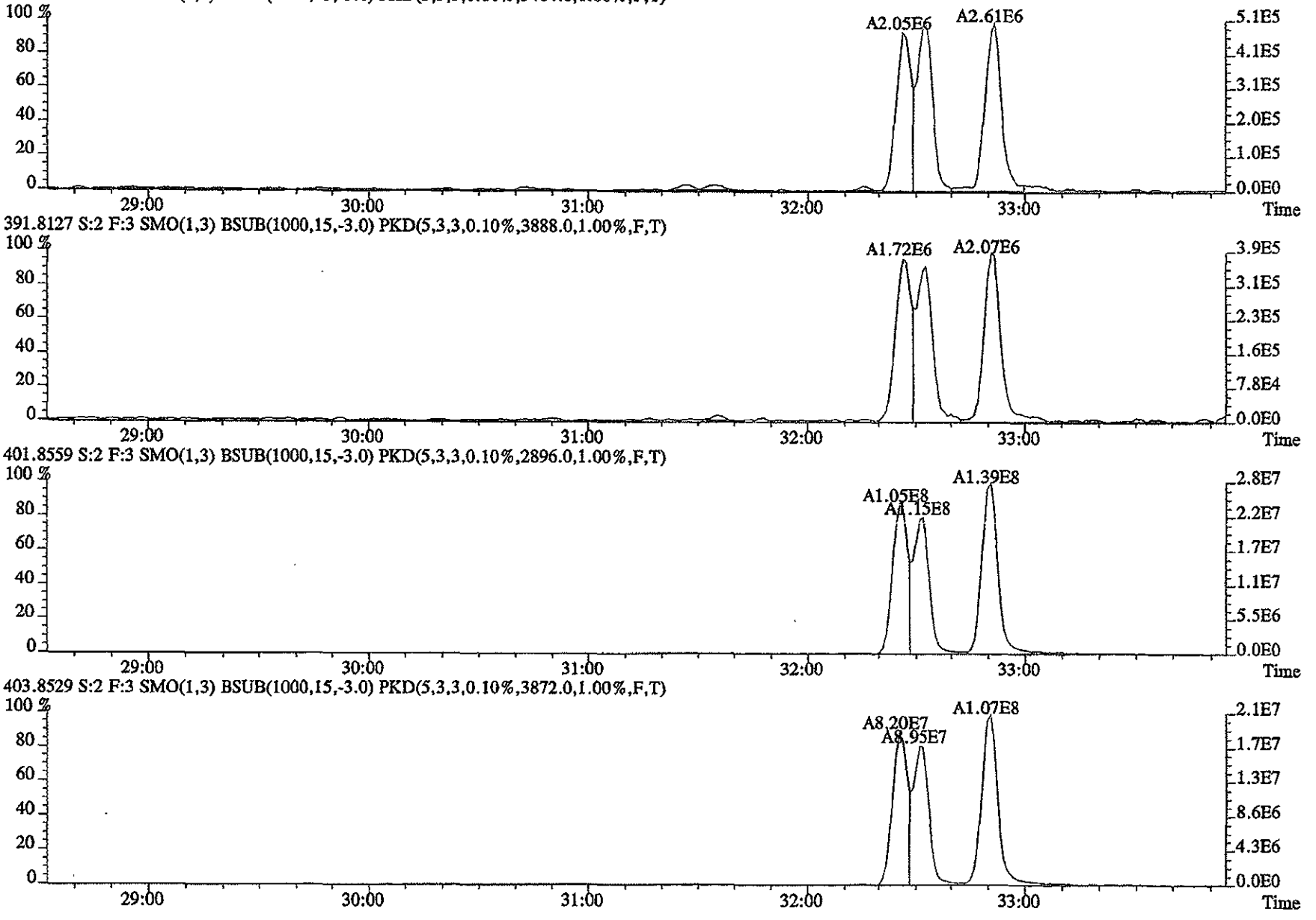
369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3136.0,1.00%,F,T)



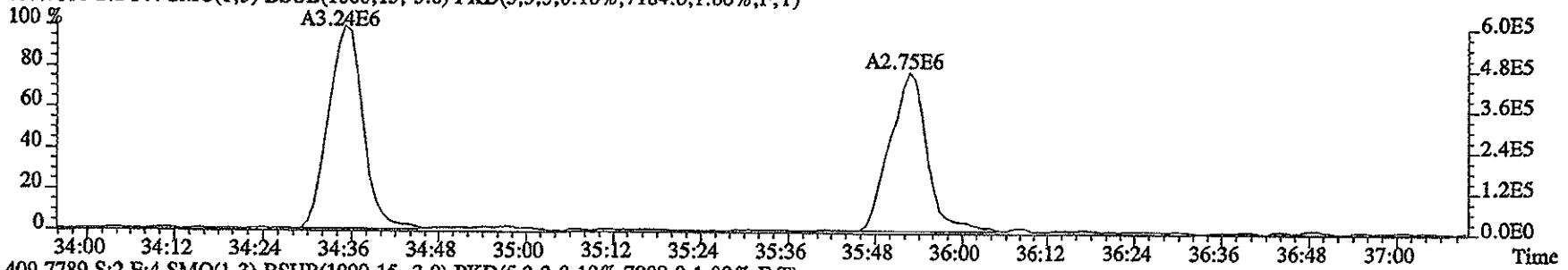
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

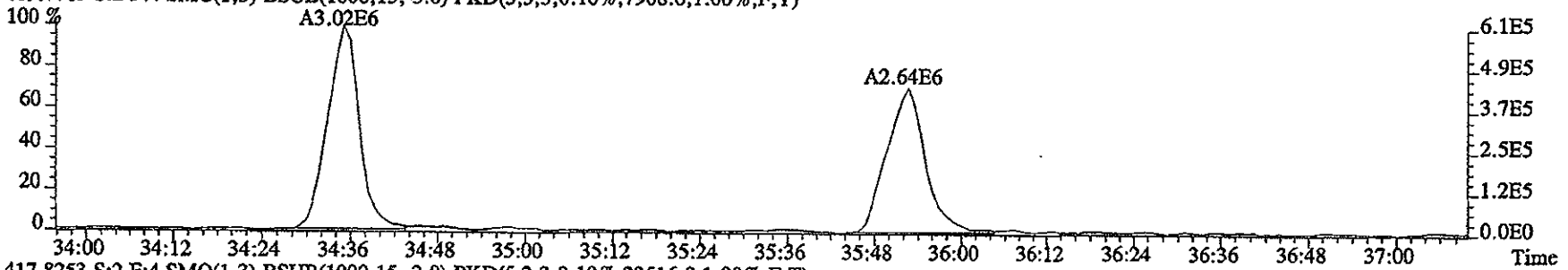


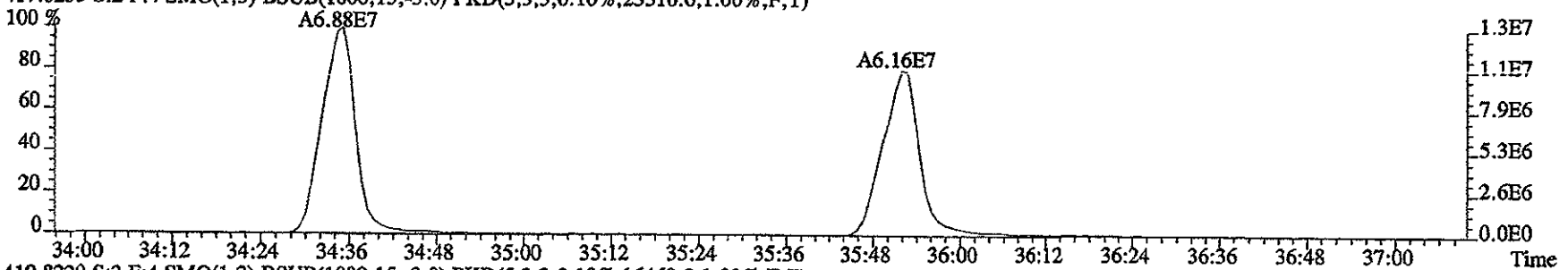
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

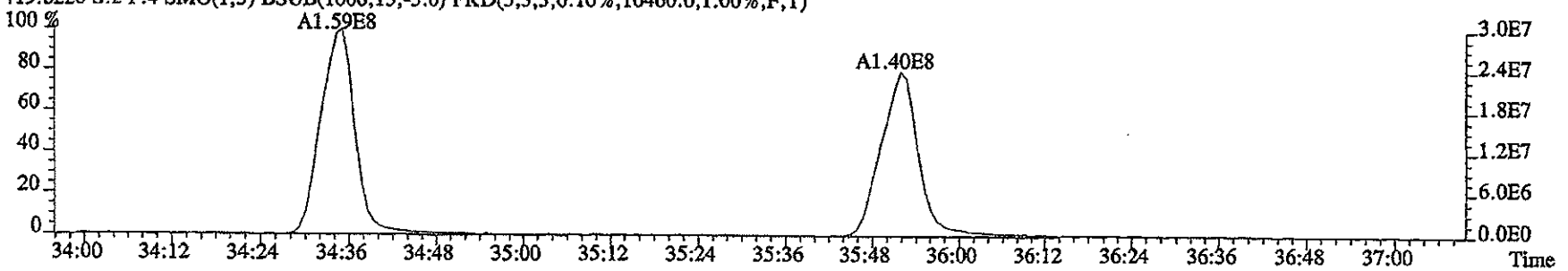


File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

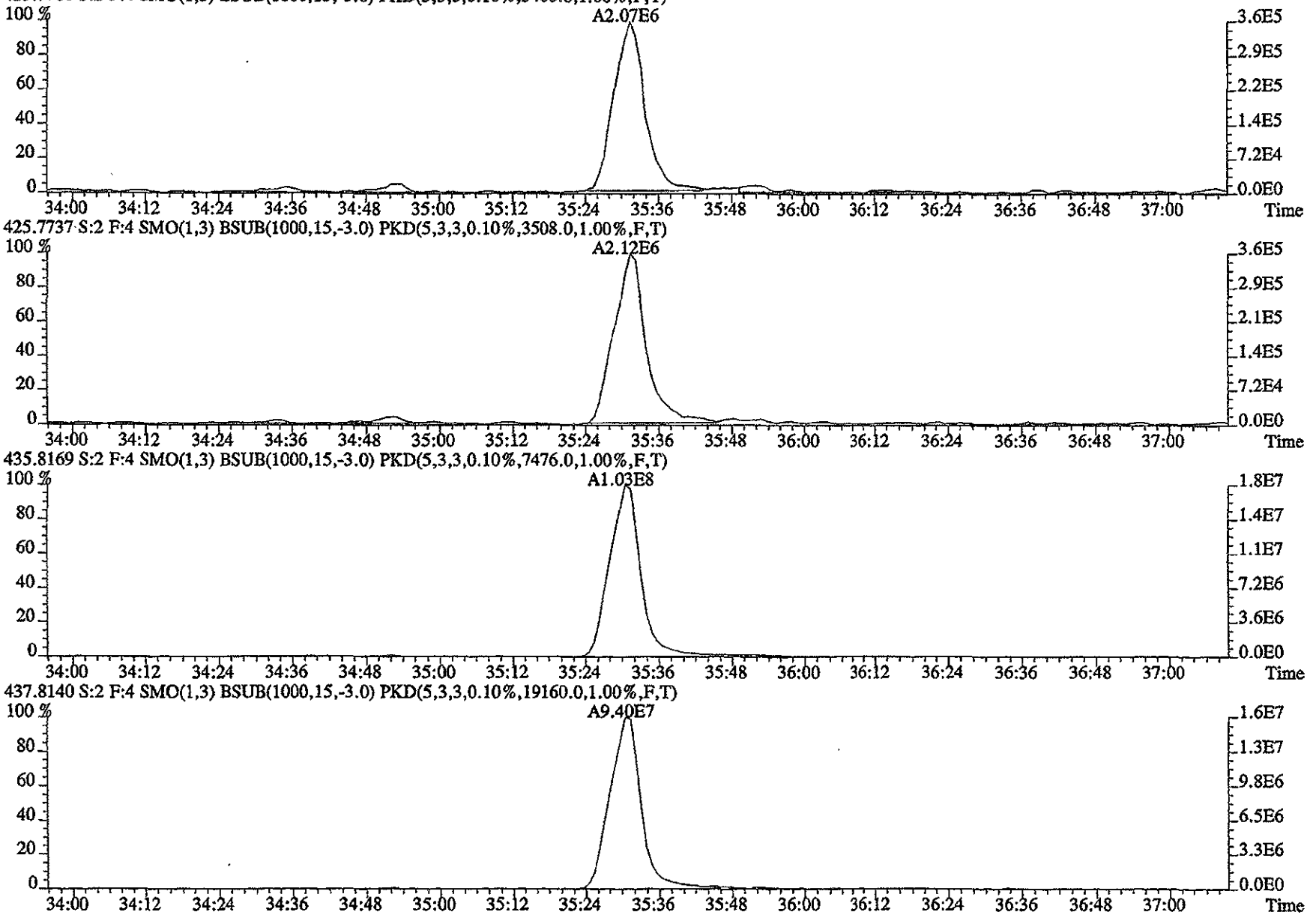




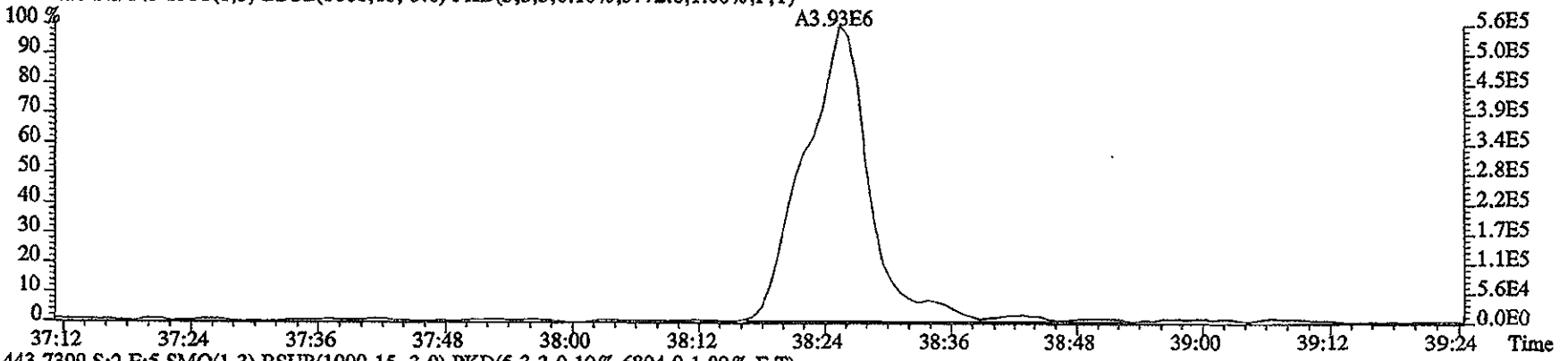




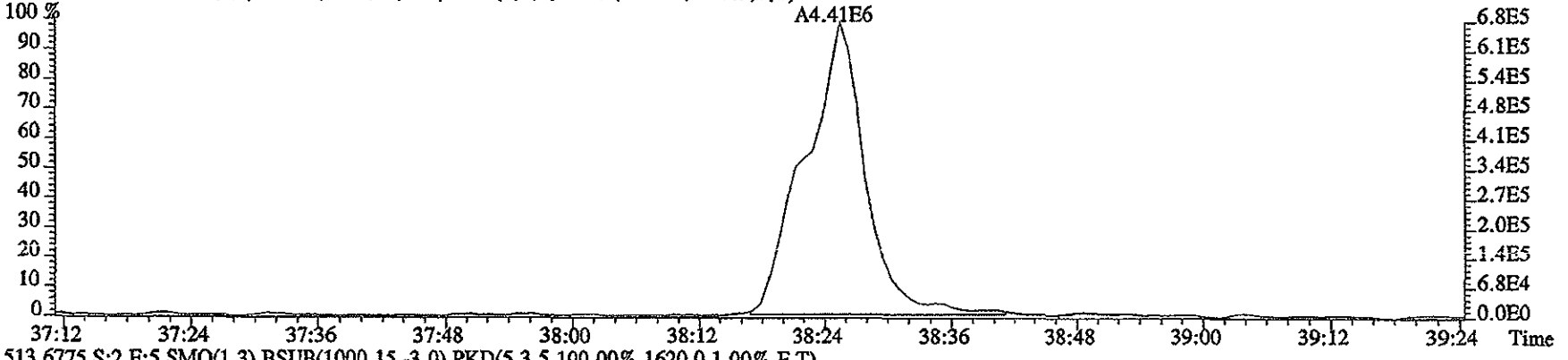
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN



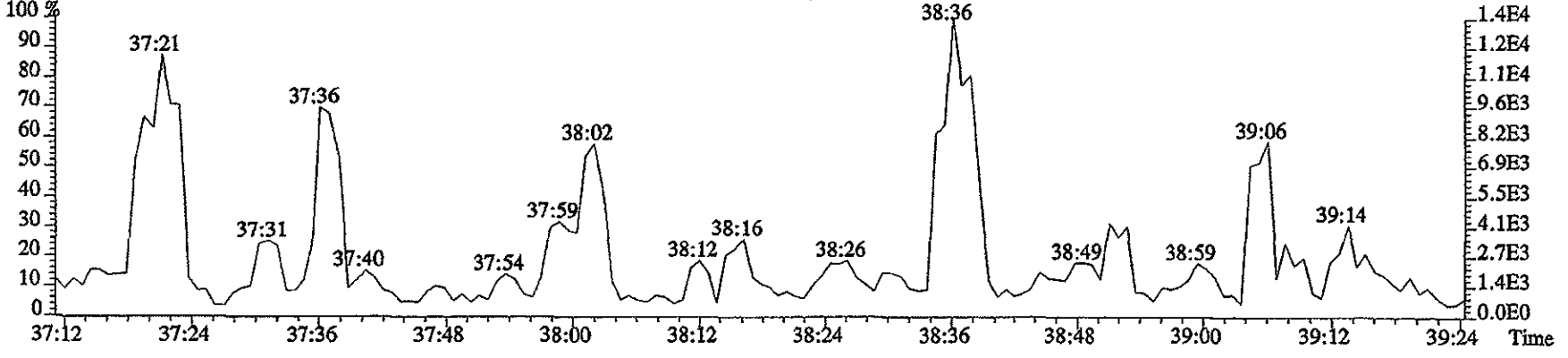
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)

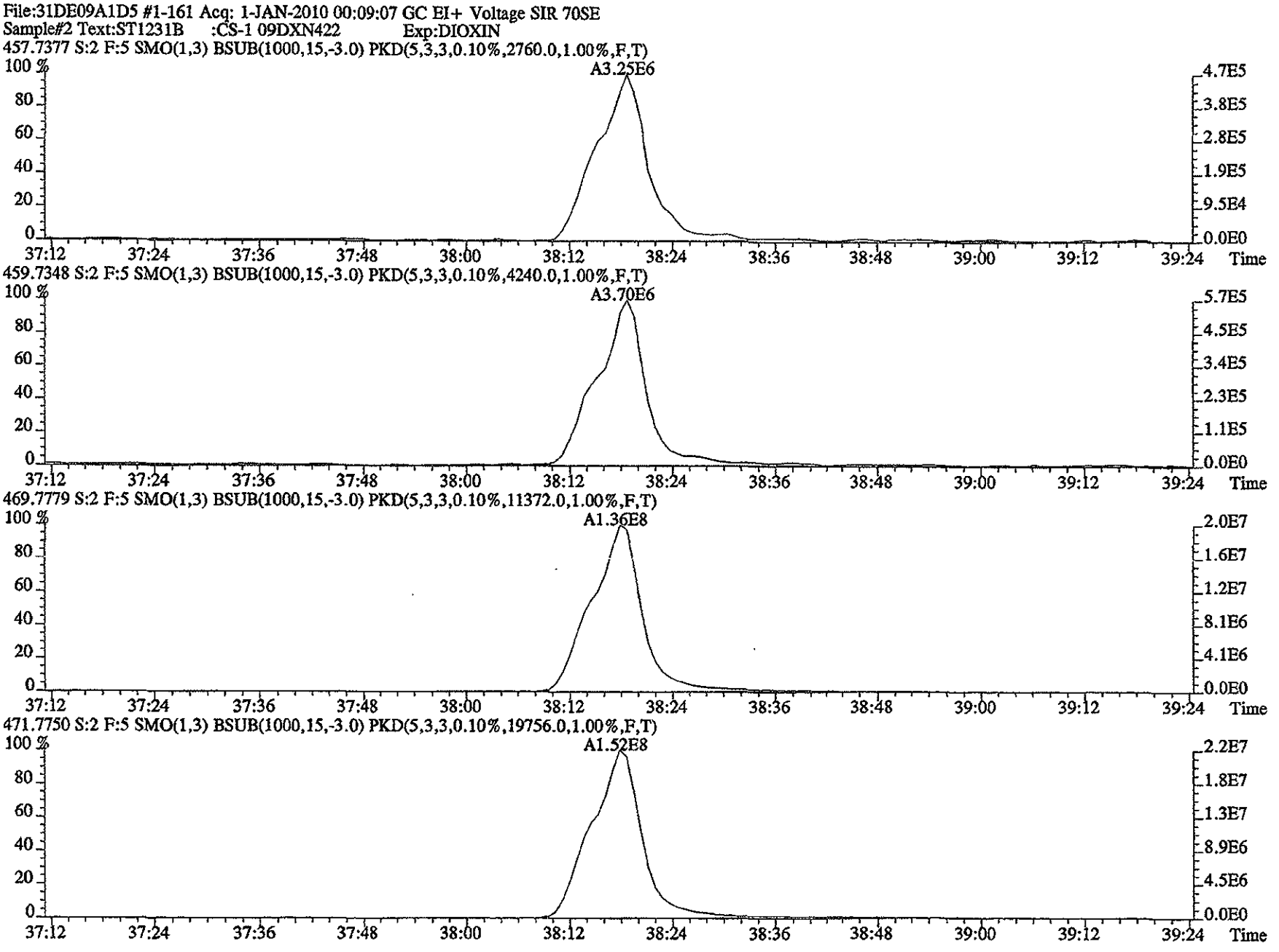


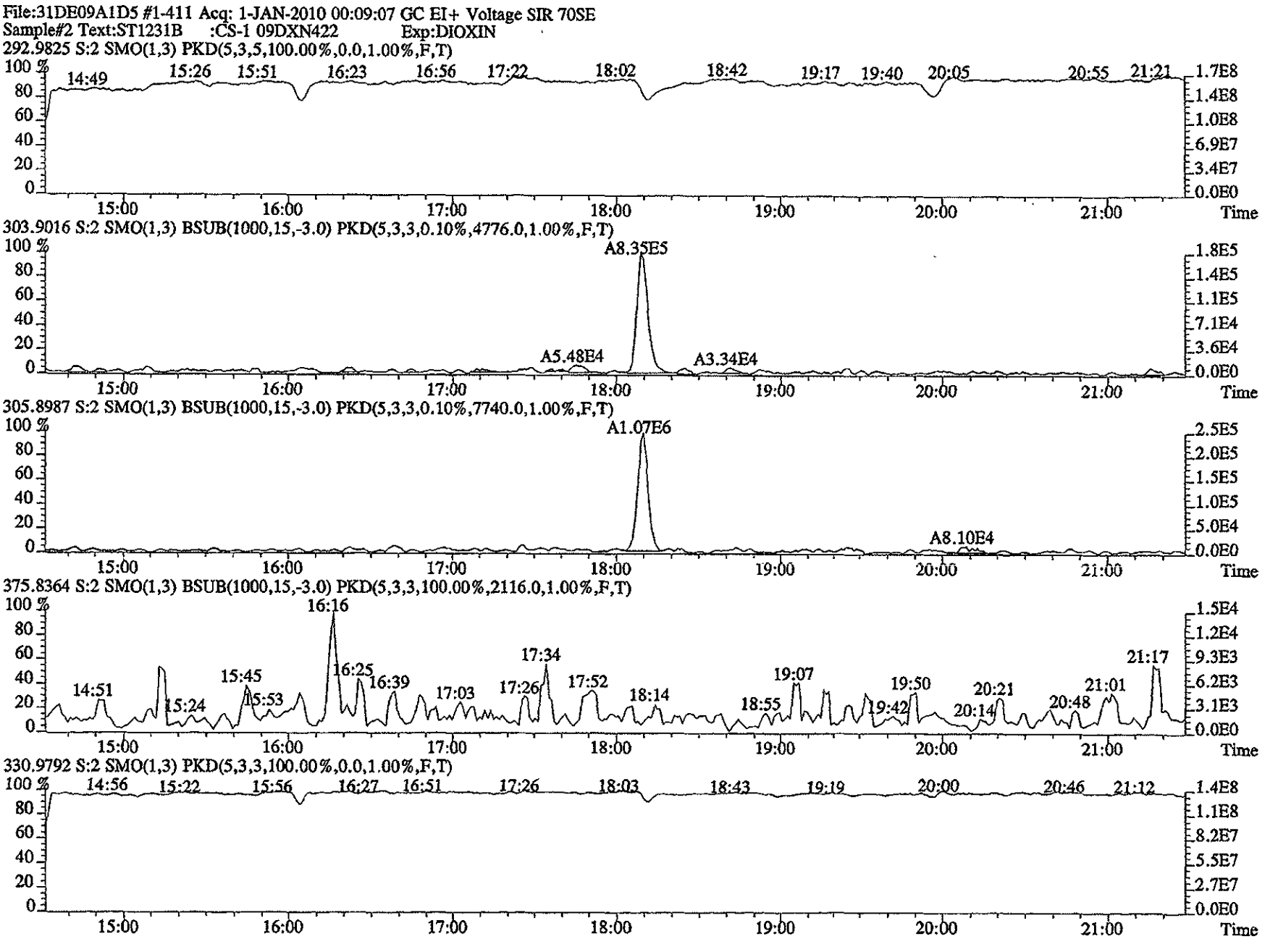
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6804.0,1.00%,F,T)



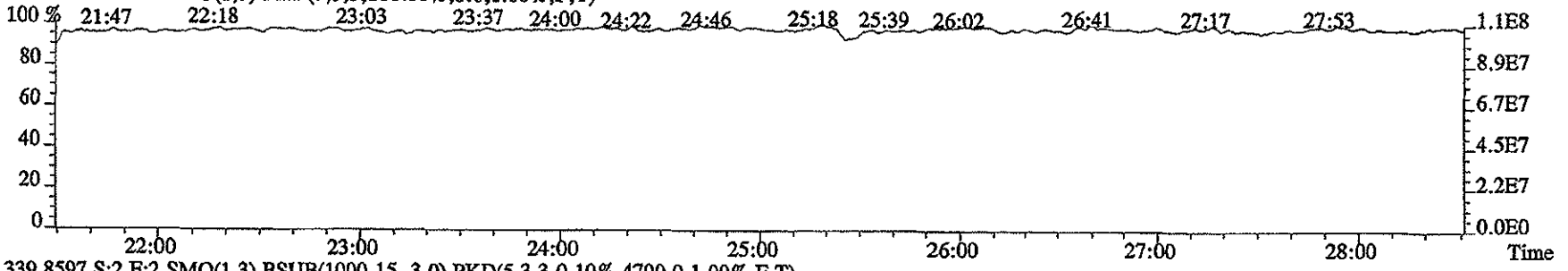
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1620.0,1.00%,F,T)



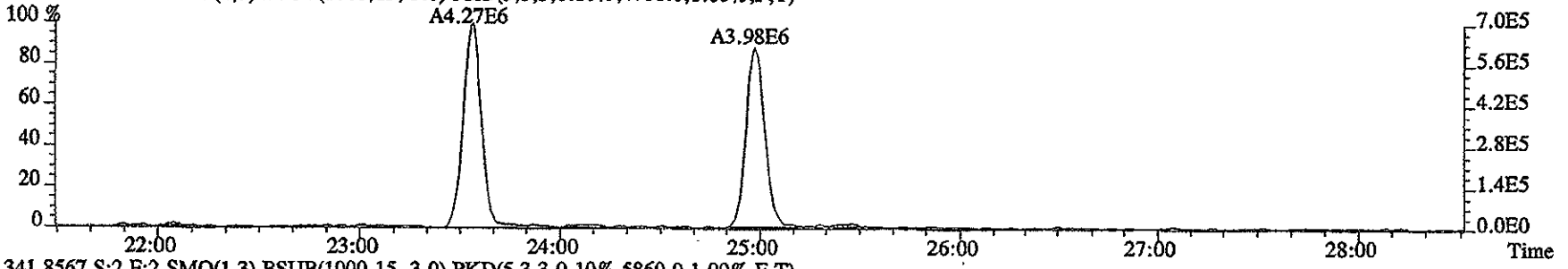



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4776.0,1.00%,F,T)
A8.35E5
A5.48E4
A3.34E4
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7740.0,1.00%,F,T)
A1.07E6
A8.10E4
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2116.0,1.00%,F,T)
330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

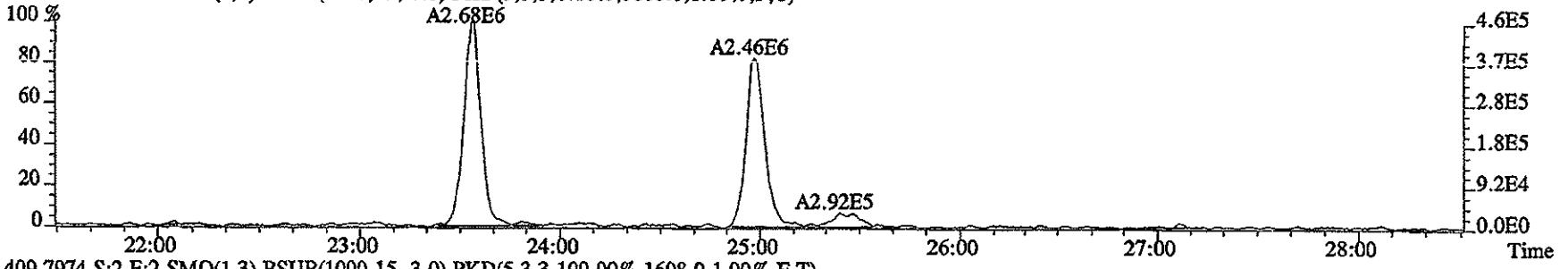
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



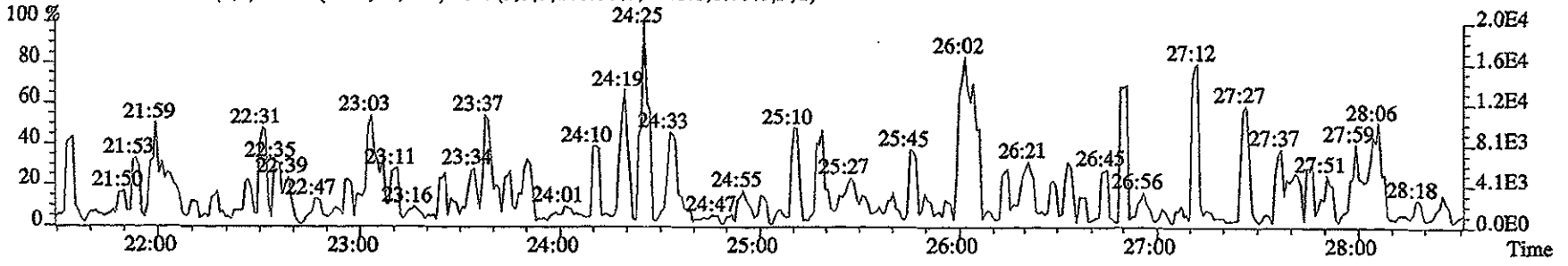
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700.0,1.00%,F,T)

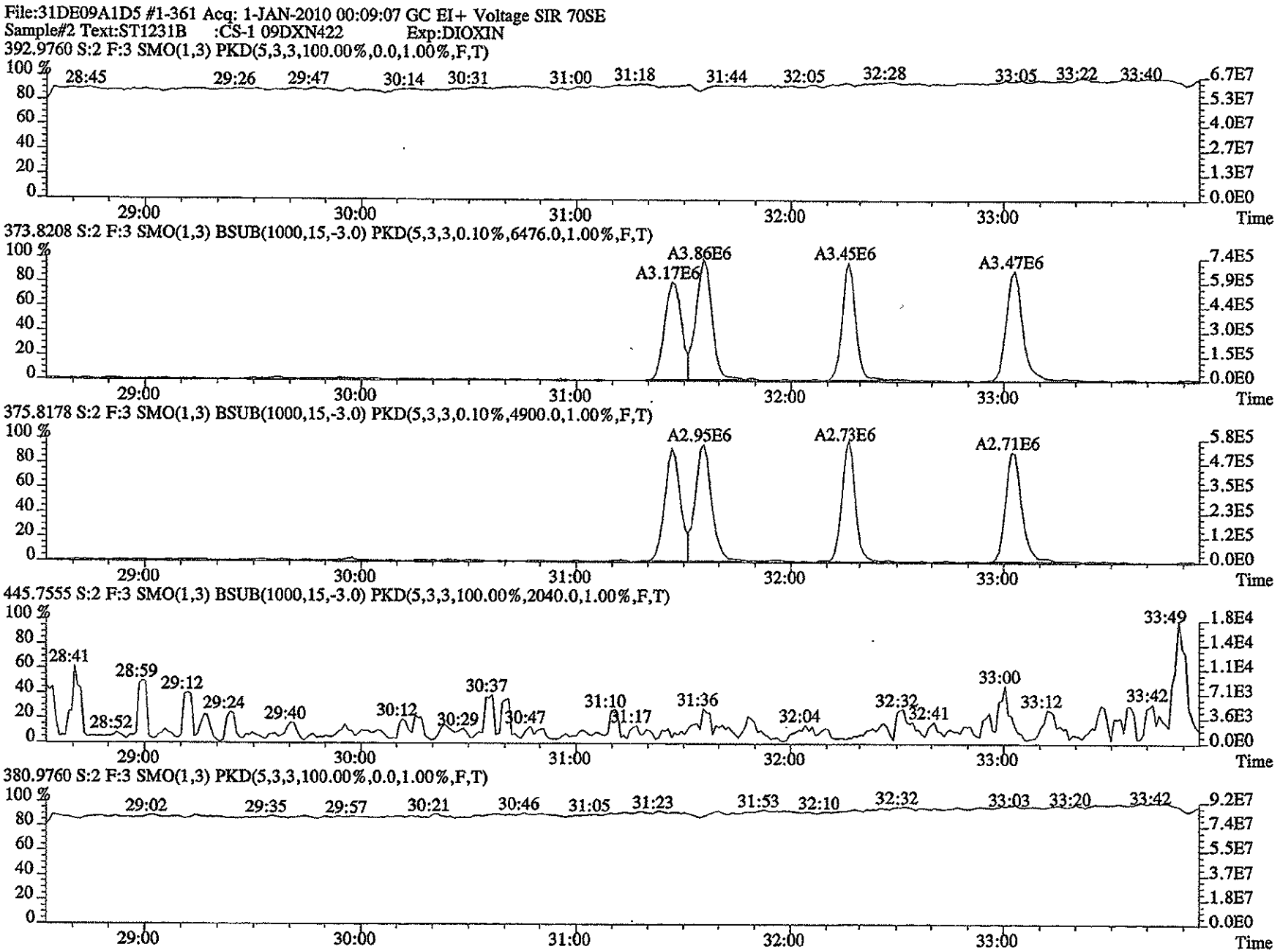


341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860.0,1.00%,F,T)

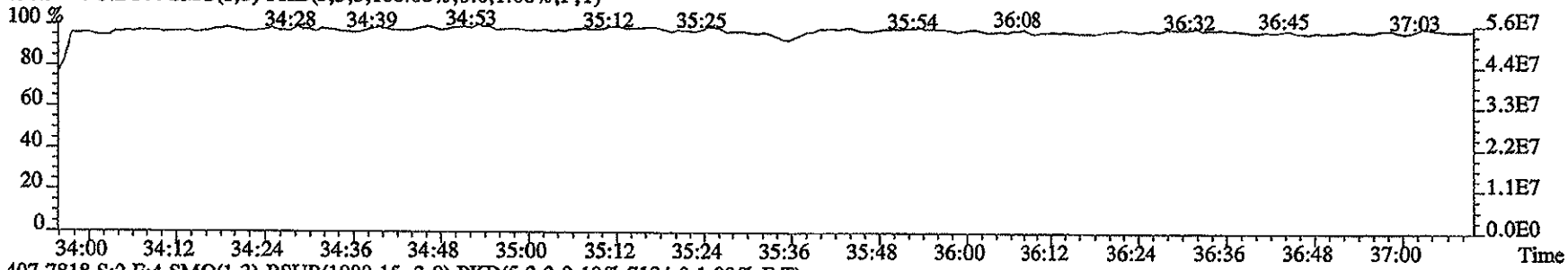


409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1608.0,1.00%,F,T)

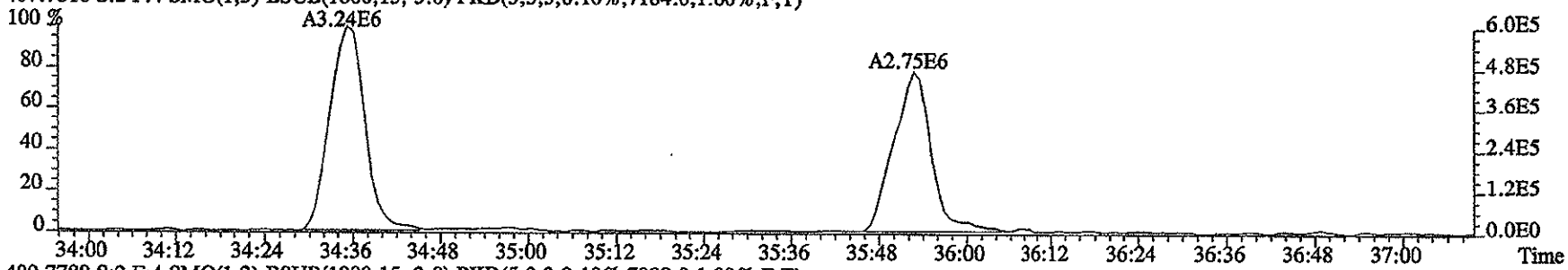



File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6476.0,1.00%,F,T)
A3.17E6
A3.86E6
A3.45E6
A3.47E6
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)
A2.95E6
A2.73E6
A2.71E6
445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2040.0,1.00%,F,T)
380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

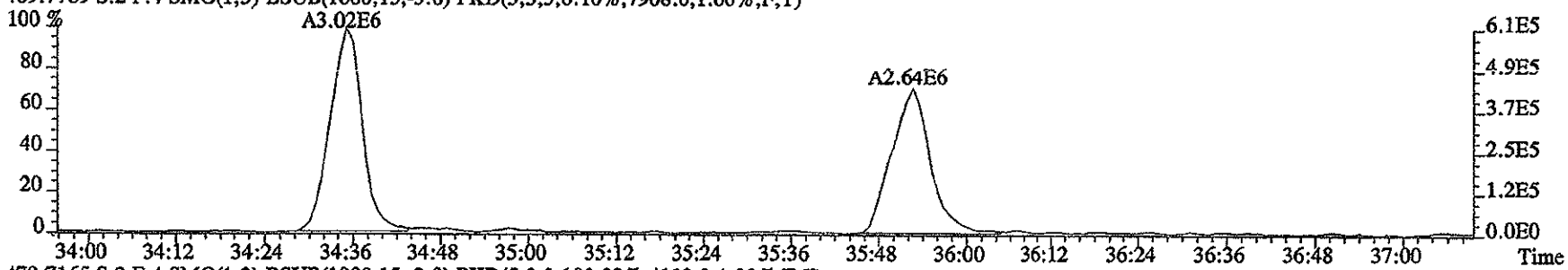
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



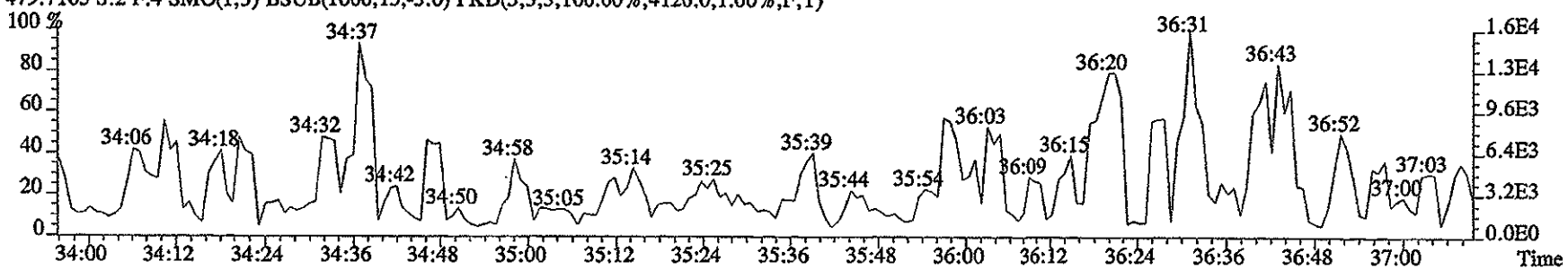
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7184.0,1.00%,F,T)



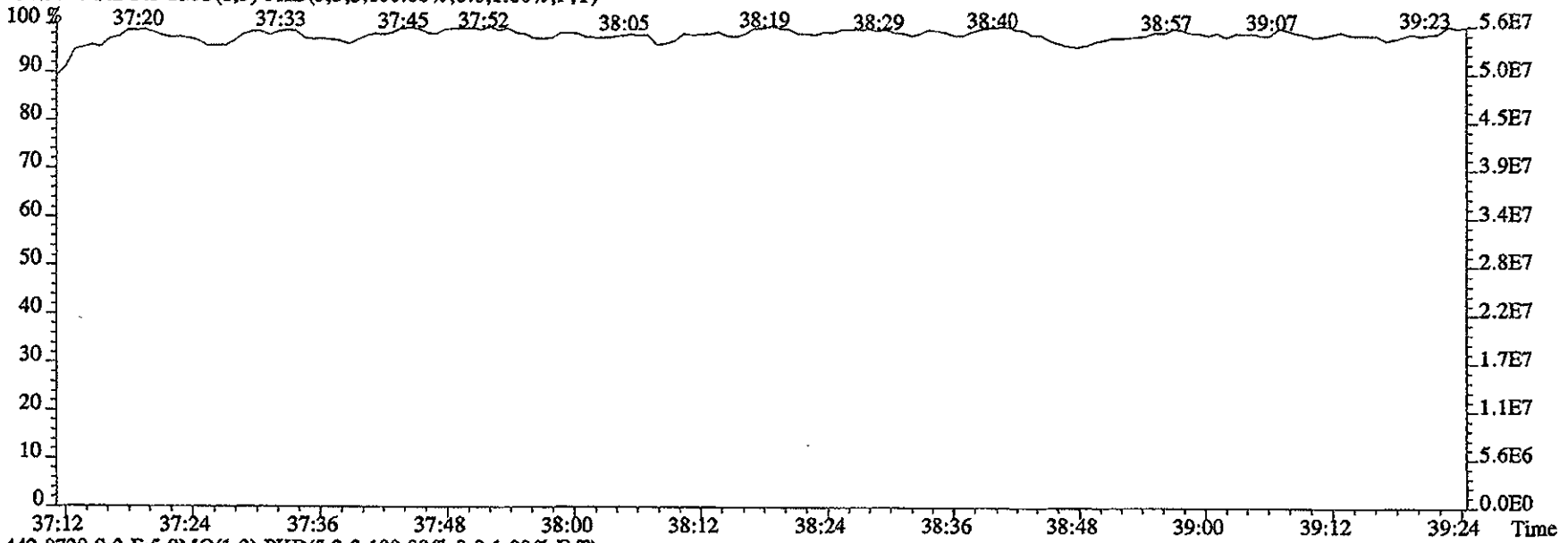
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7908.0,1.00%,F,T)



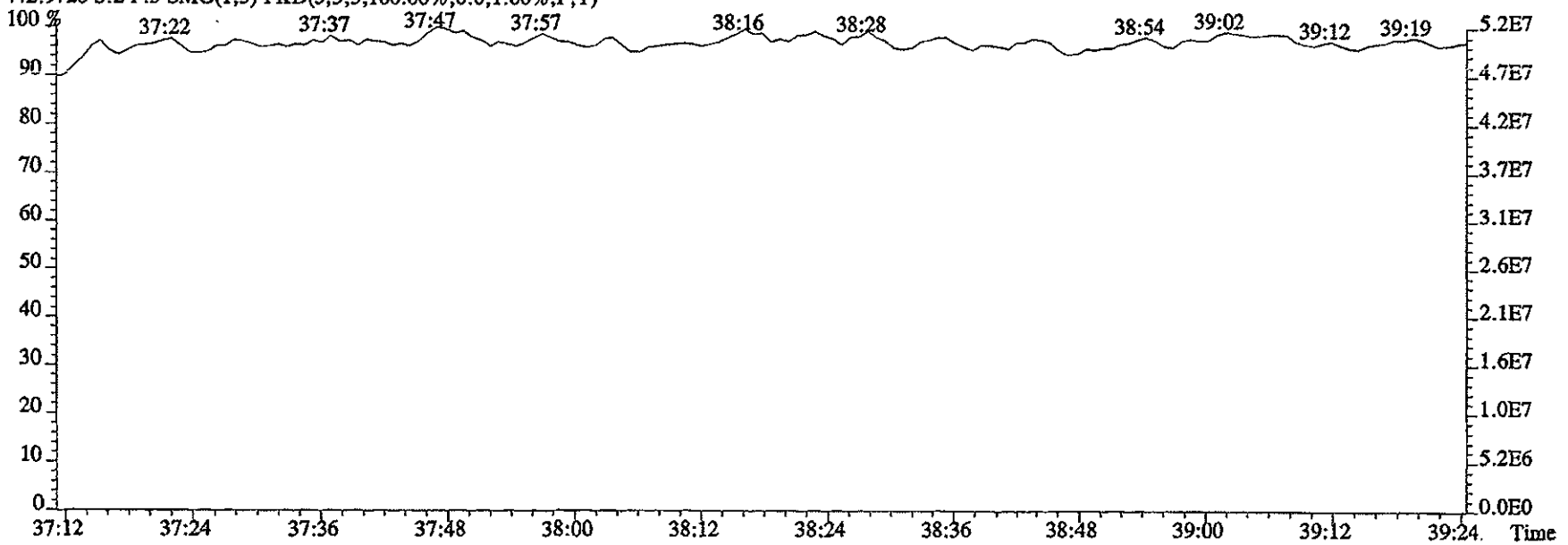
479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4120.0,1.00%,F,T)



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

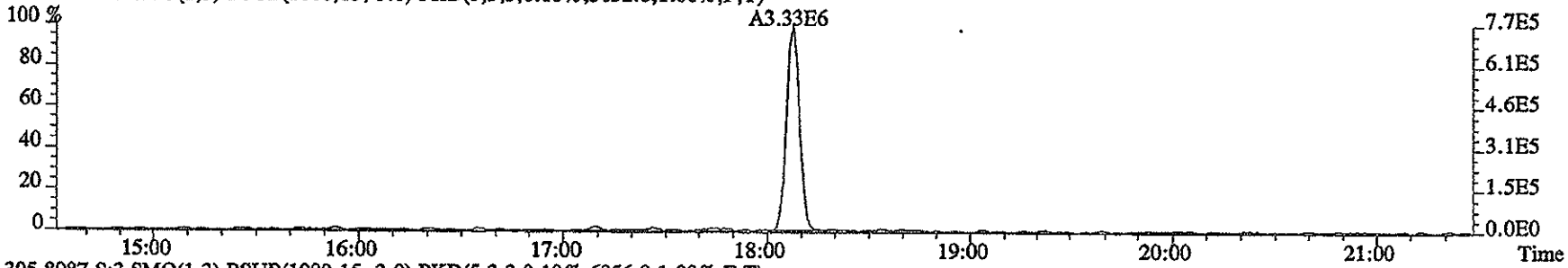


442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

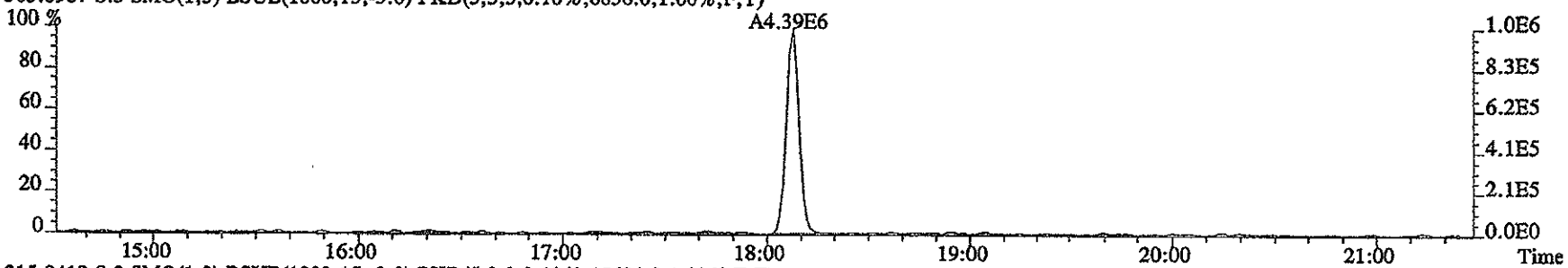


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

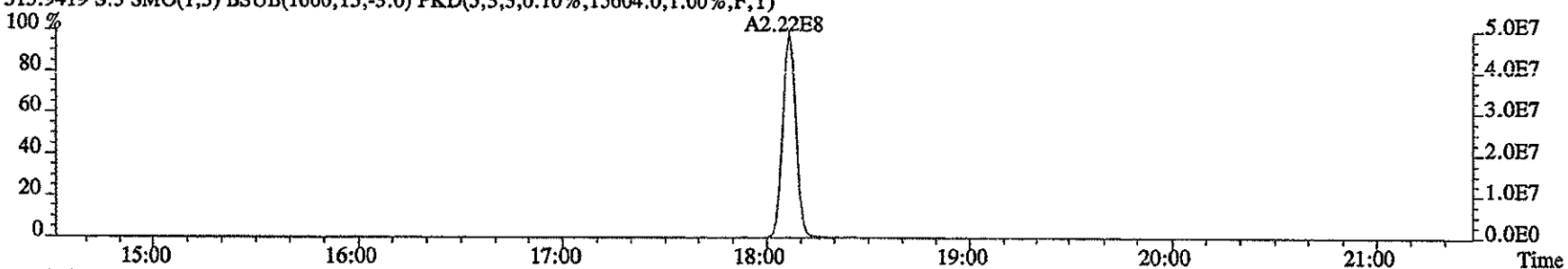
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5052.0,1.00%,F,T)



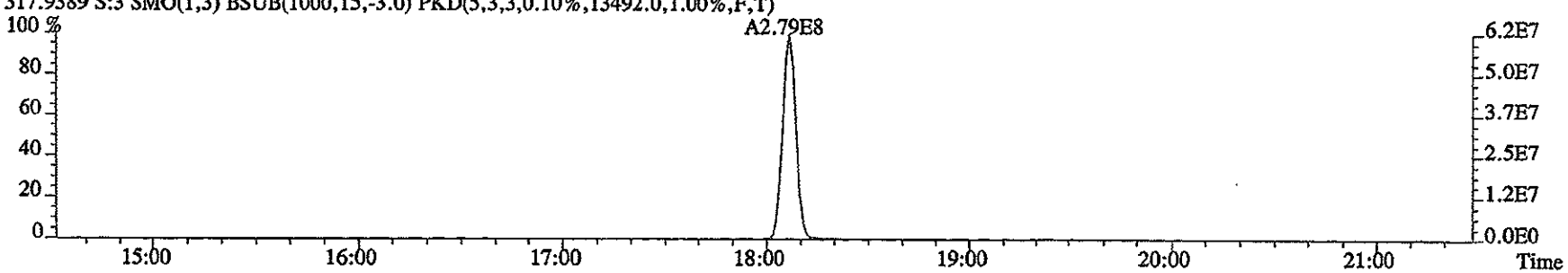
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6856.0,1.00%,F,T)

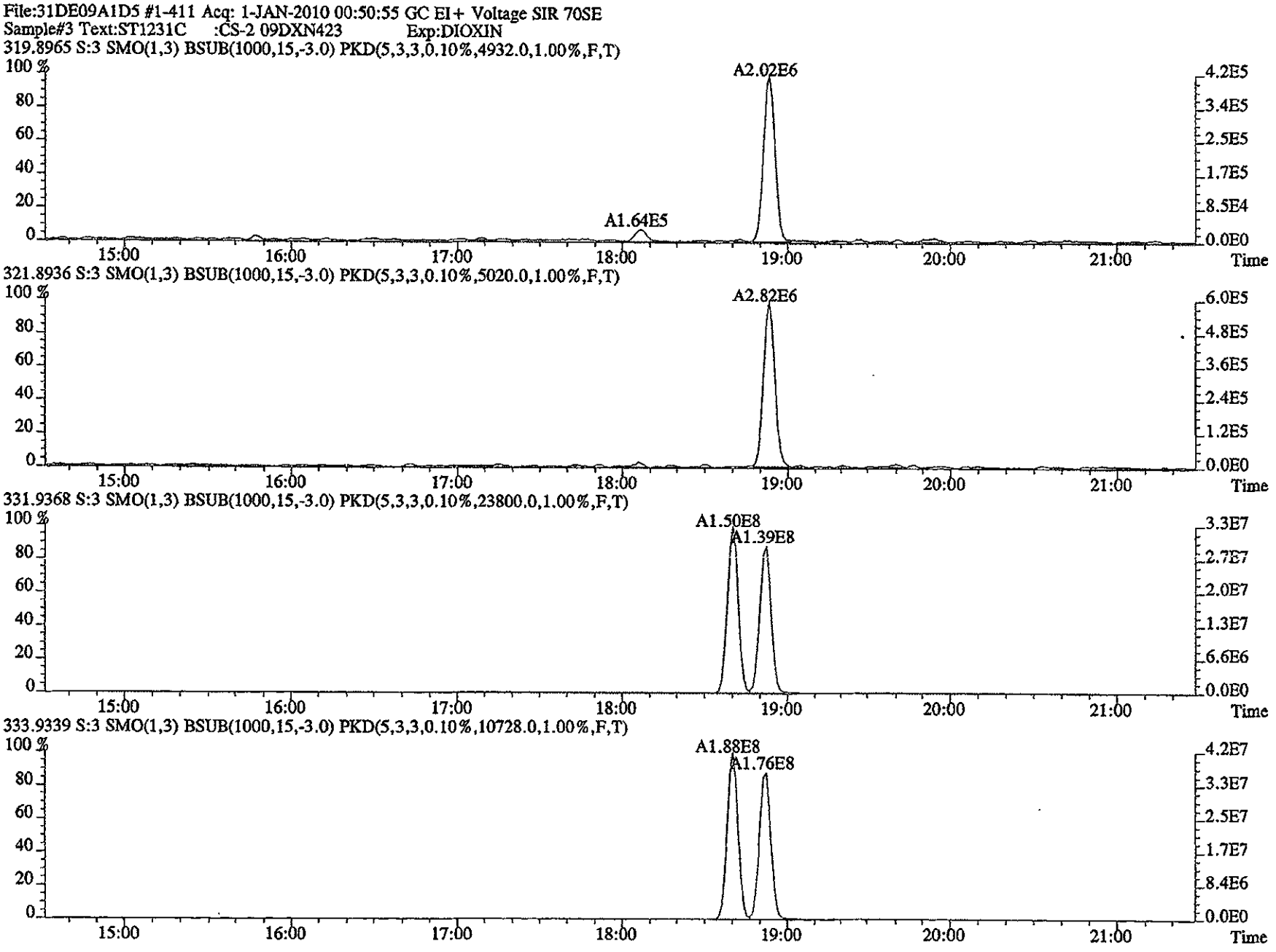


315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15604.0,1.00%,F,T)

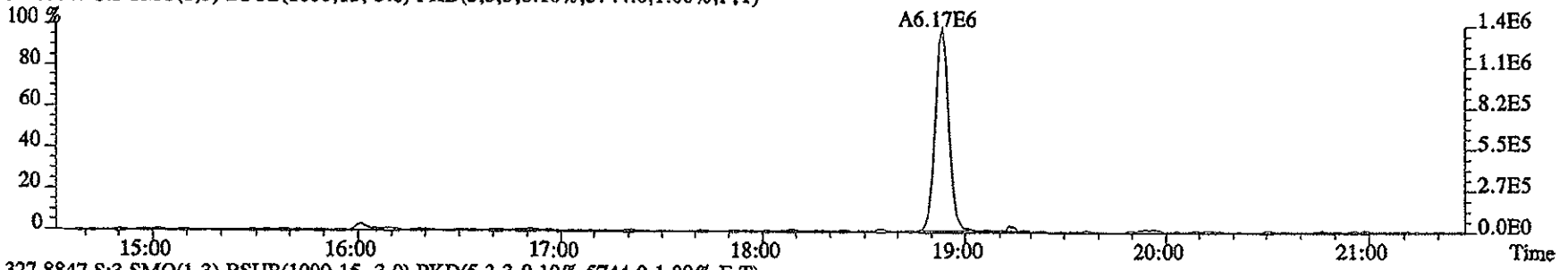


317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13492.0,1.00%,F,T)

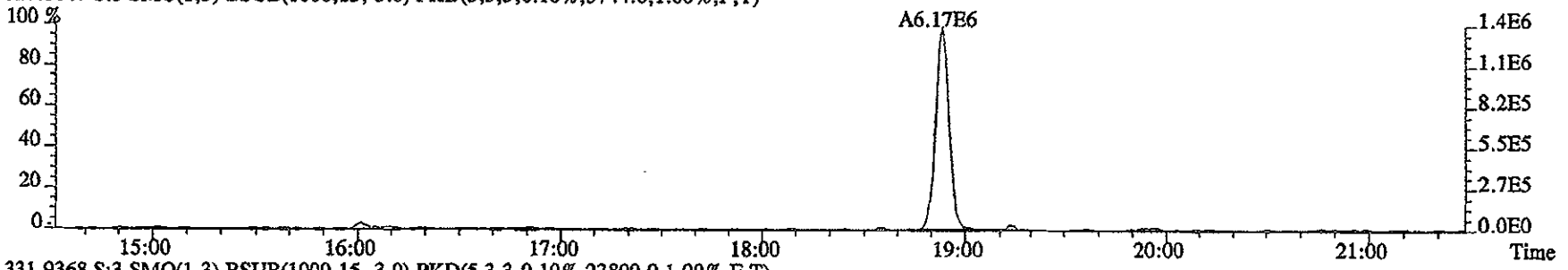



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)
A2.02E6
A1.64E5
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5020.0,1.00%,F,T)
A2.82E6
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23800.0,1.00%,F,T)
A1.50E8
A1.39E8
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10728.0,1.00%,F,T)
A1.88E8
A1.76E8
100 %
80
60
40
20
0
15:00
16:00
17:00
18:00
19:00
20:00
21:00
Time
4.2E5
3.4E5
2.5E5
1.7E5
8.5E4
0.0E0
6.0E5
4.8E5
3.6E5
2.4E5
1.2E5
3.3E7
2.7E7
2.0E7
1.3E7
6.6E6
4.2E7
3.3E7
2.5E7
1.7E7
8.4E6

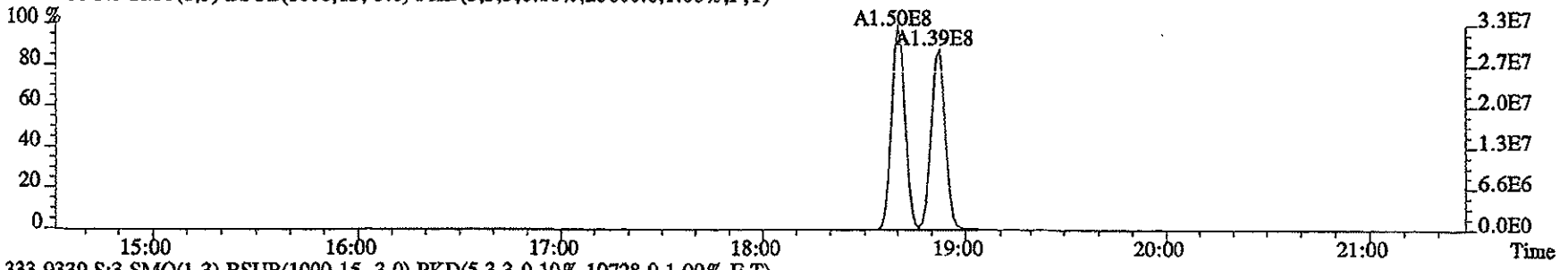
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



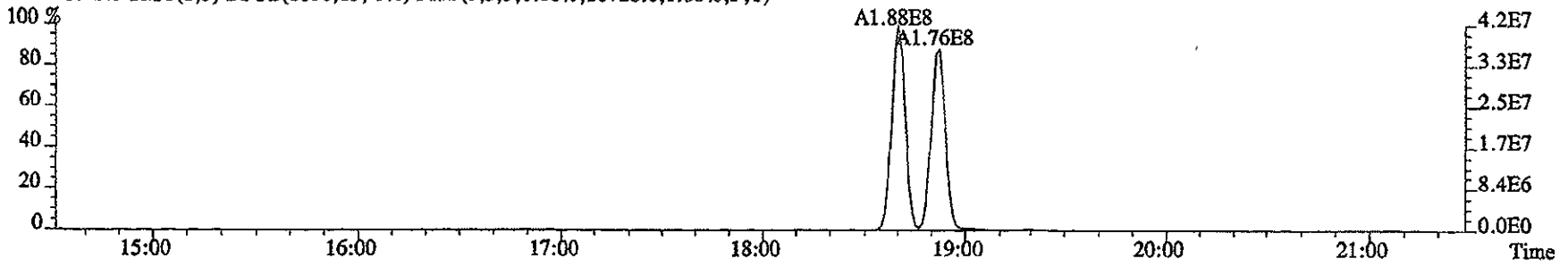
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



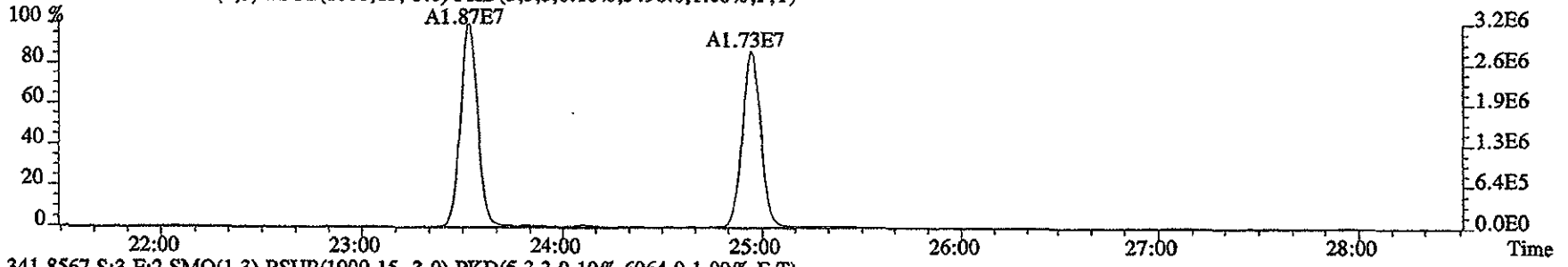
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23800.0,1.00%,F,T)



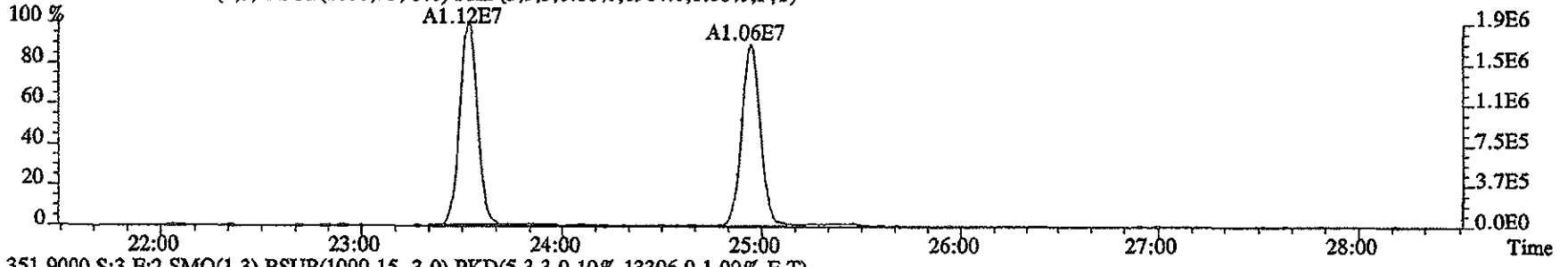
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10728.0,1.00%,F,T)



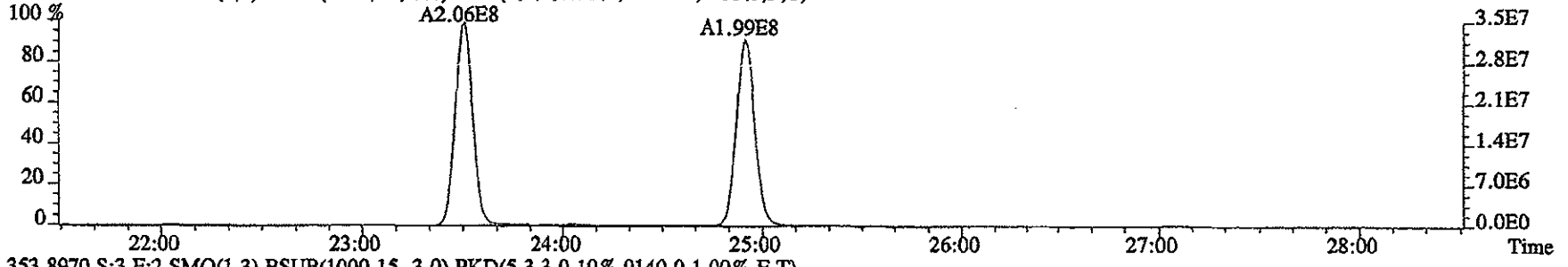
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5496.0,1.00%,F,T)



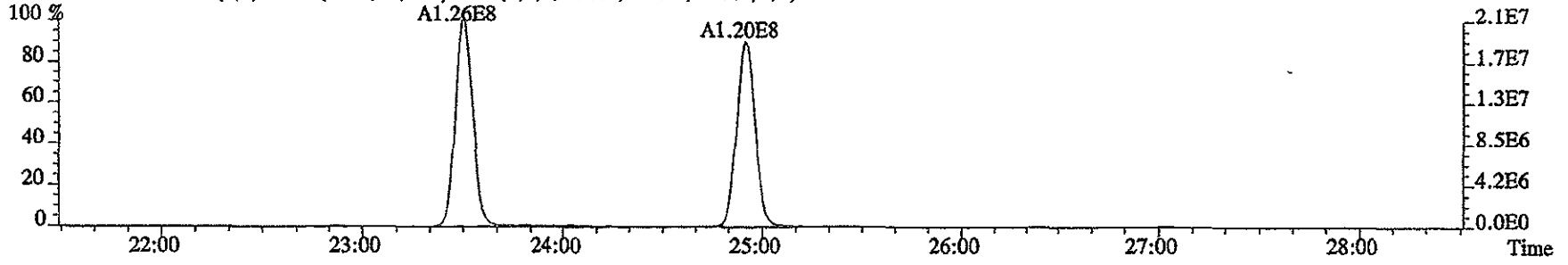
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6964.0,1.00%,F,T)



351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13396.0,1.00%,F,T)

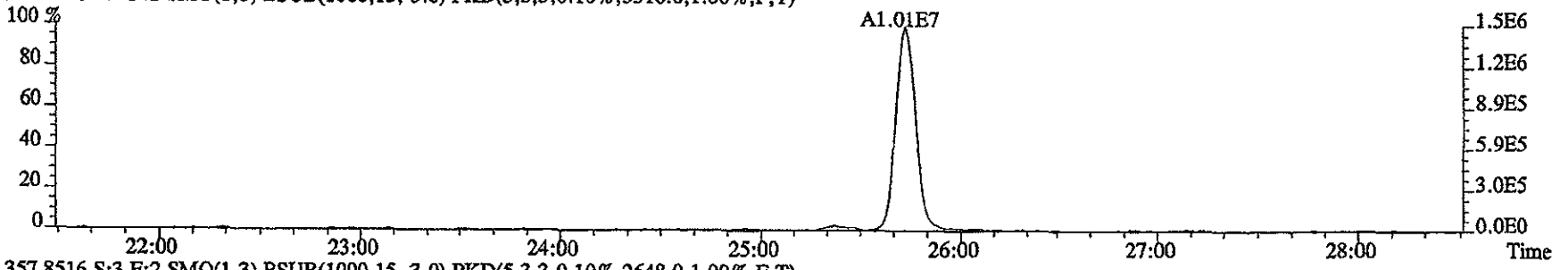


353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9140.0,1.00%,F,T)

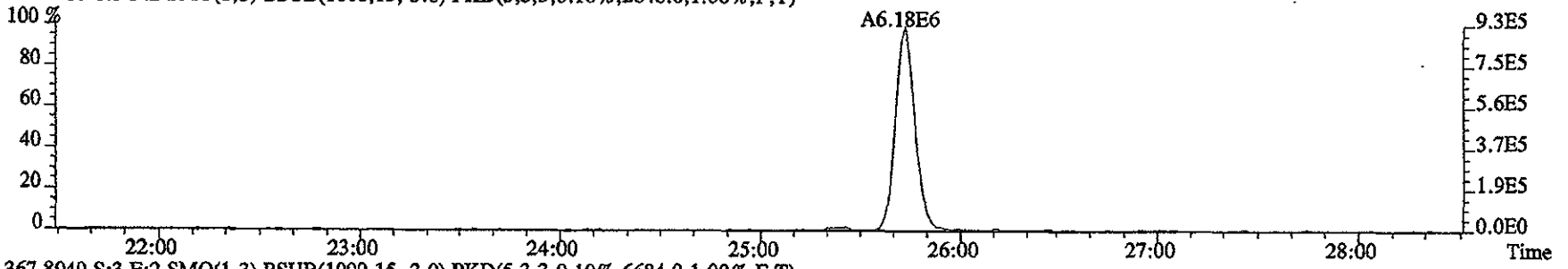


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

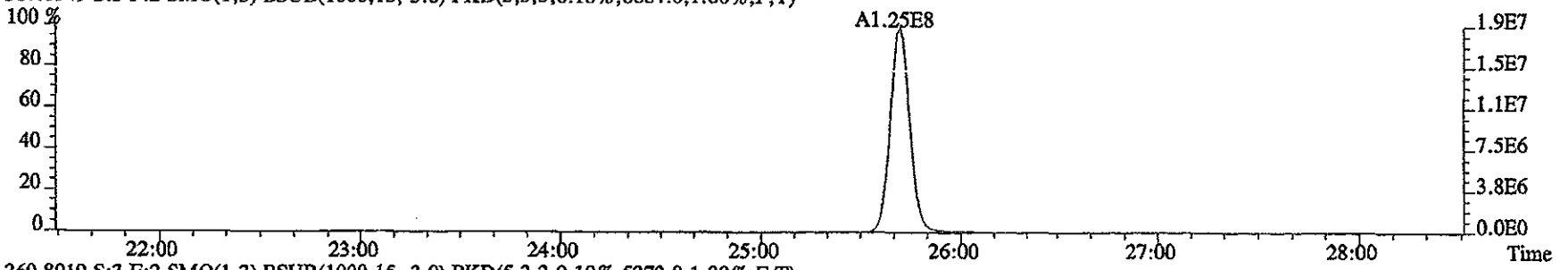
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)



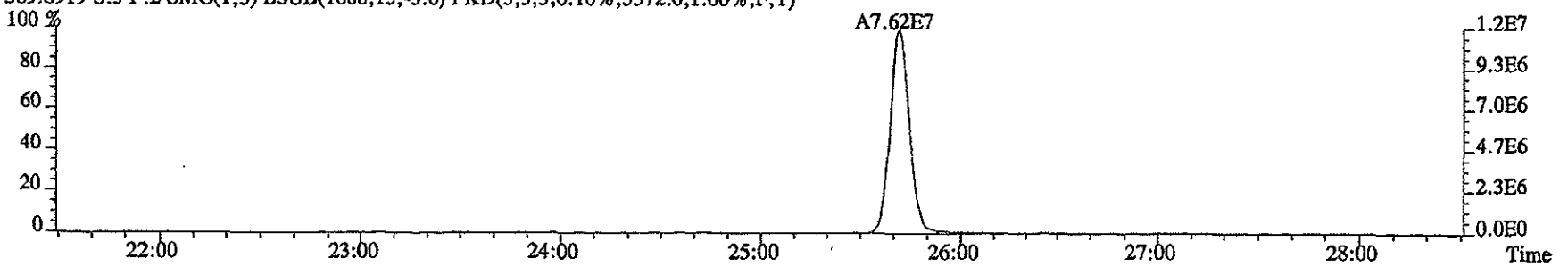
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2648.0,1.00%,F,T)



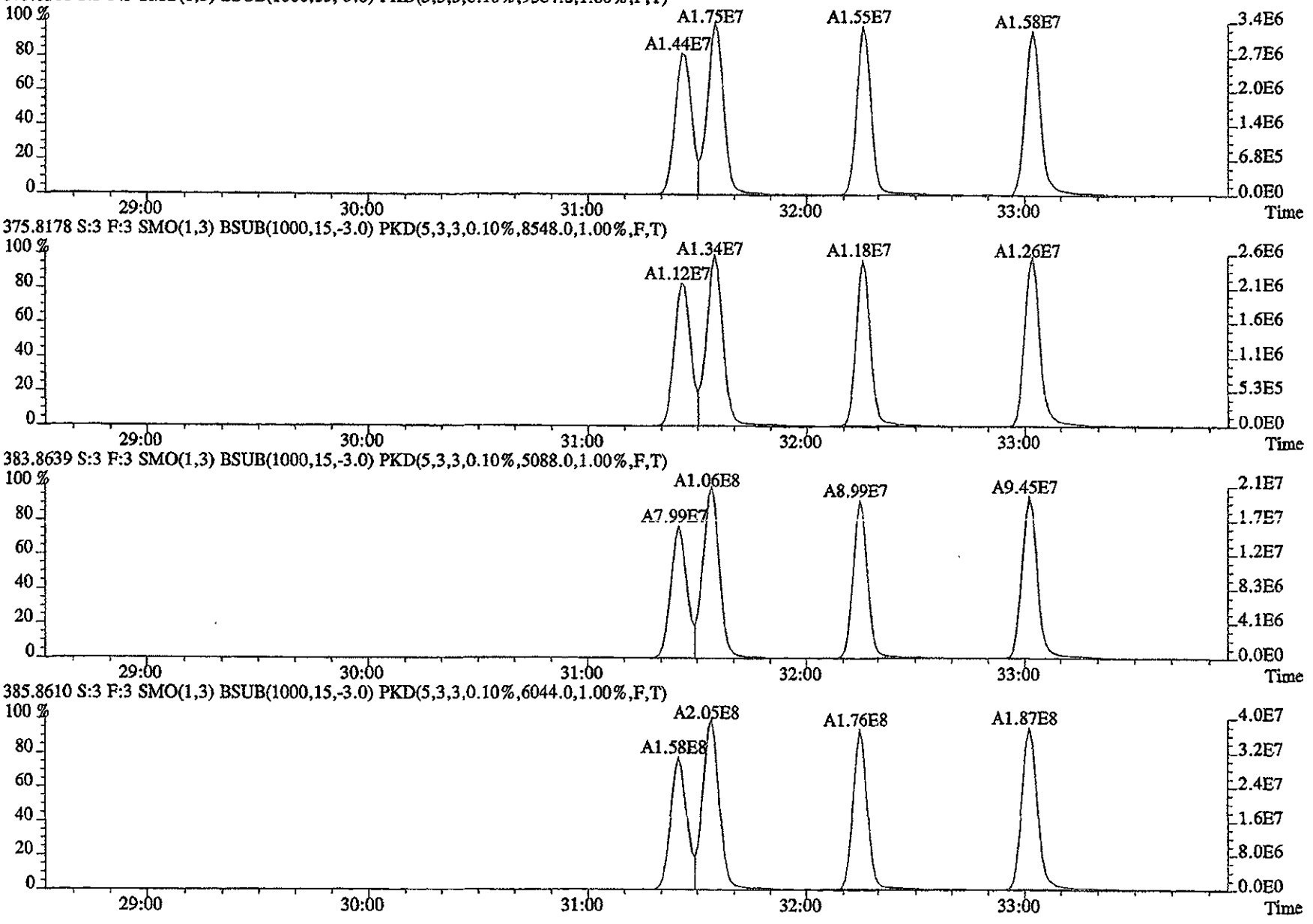
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6684.0,1.00%,F,T)



369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5372.0,1.00%,F,T)

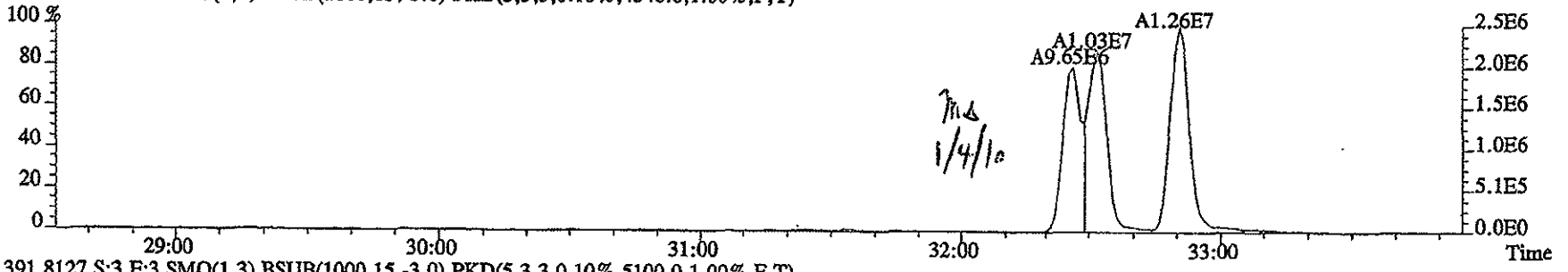


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

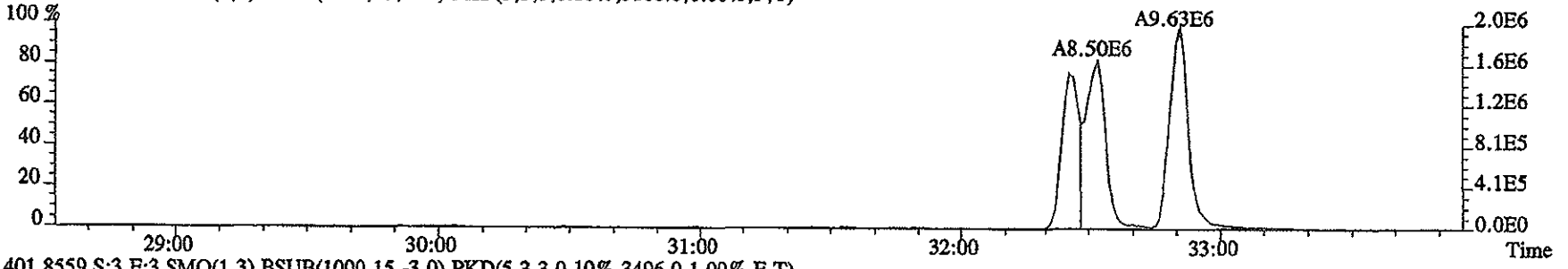


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

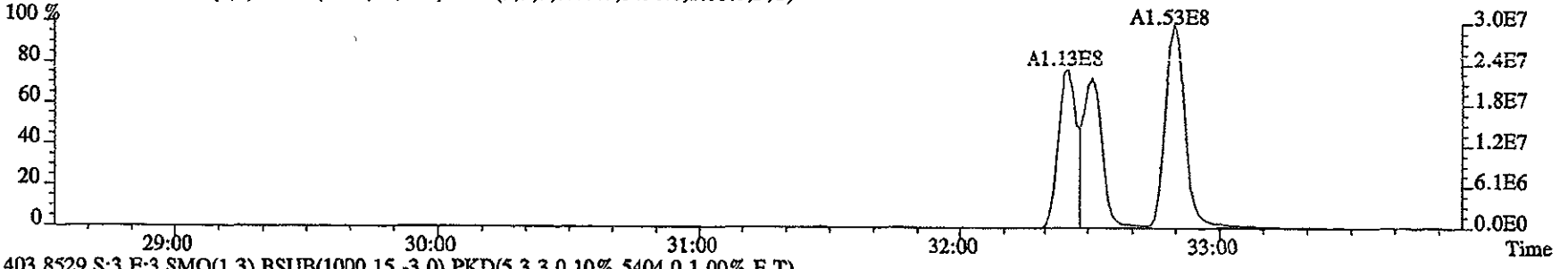
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)



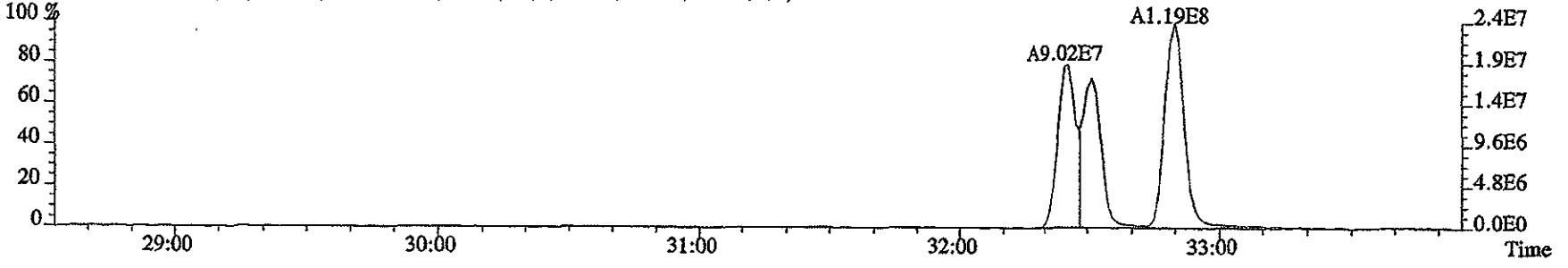
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5100.0,1.00%,F,T)



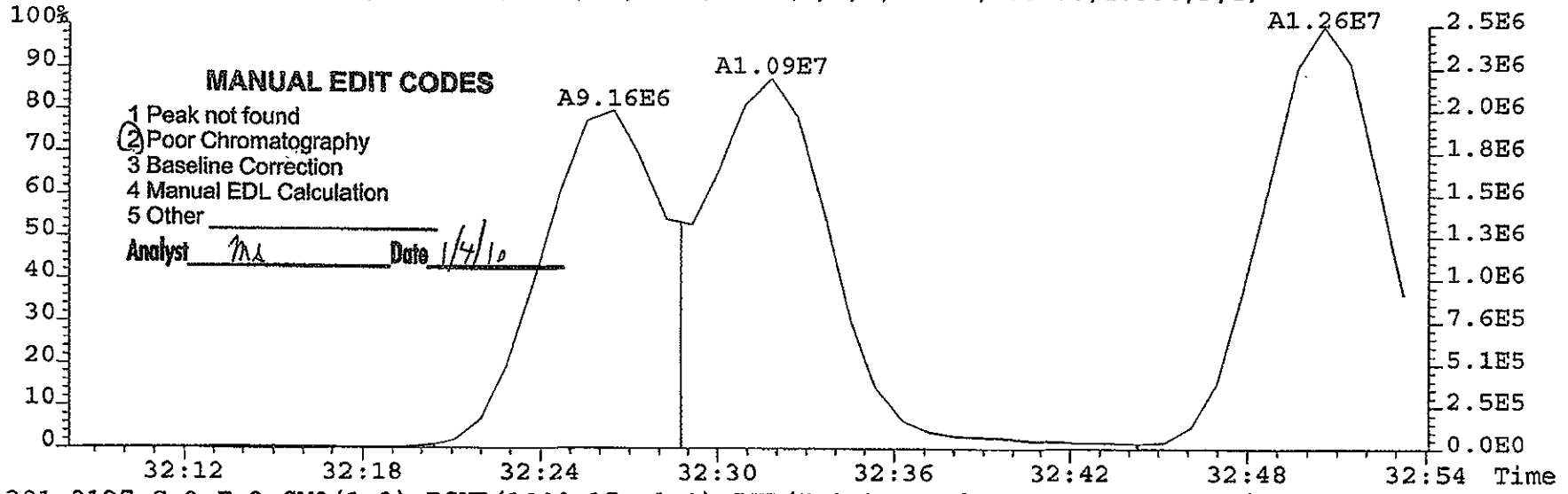
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



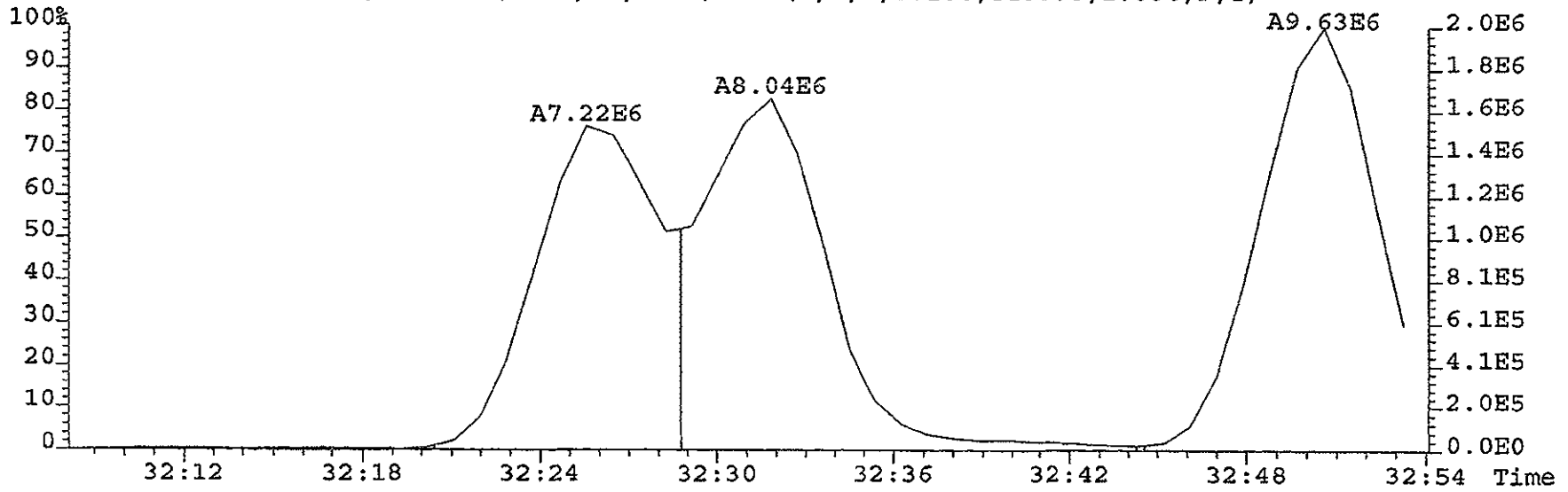
403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5404.0,1.00%,F,T)

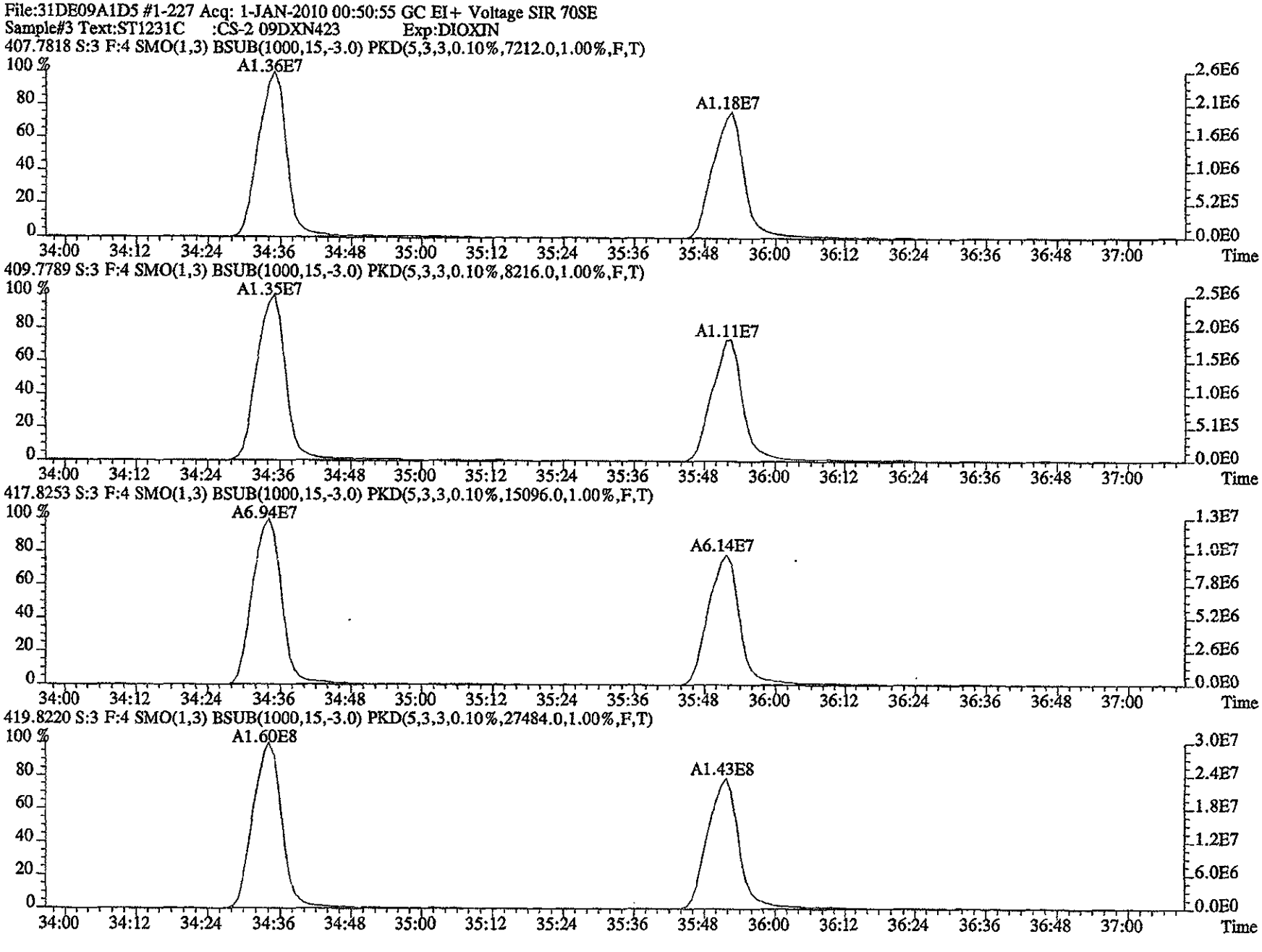


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)

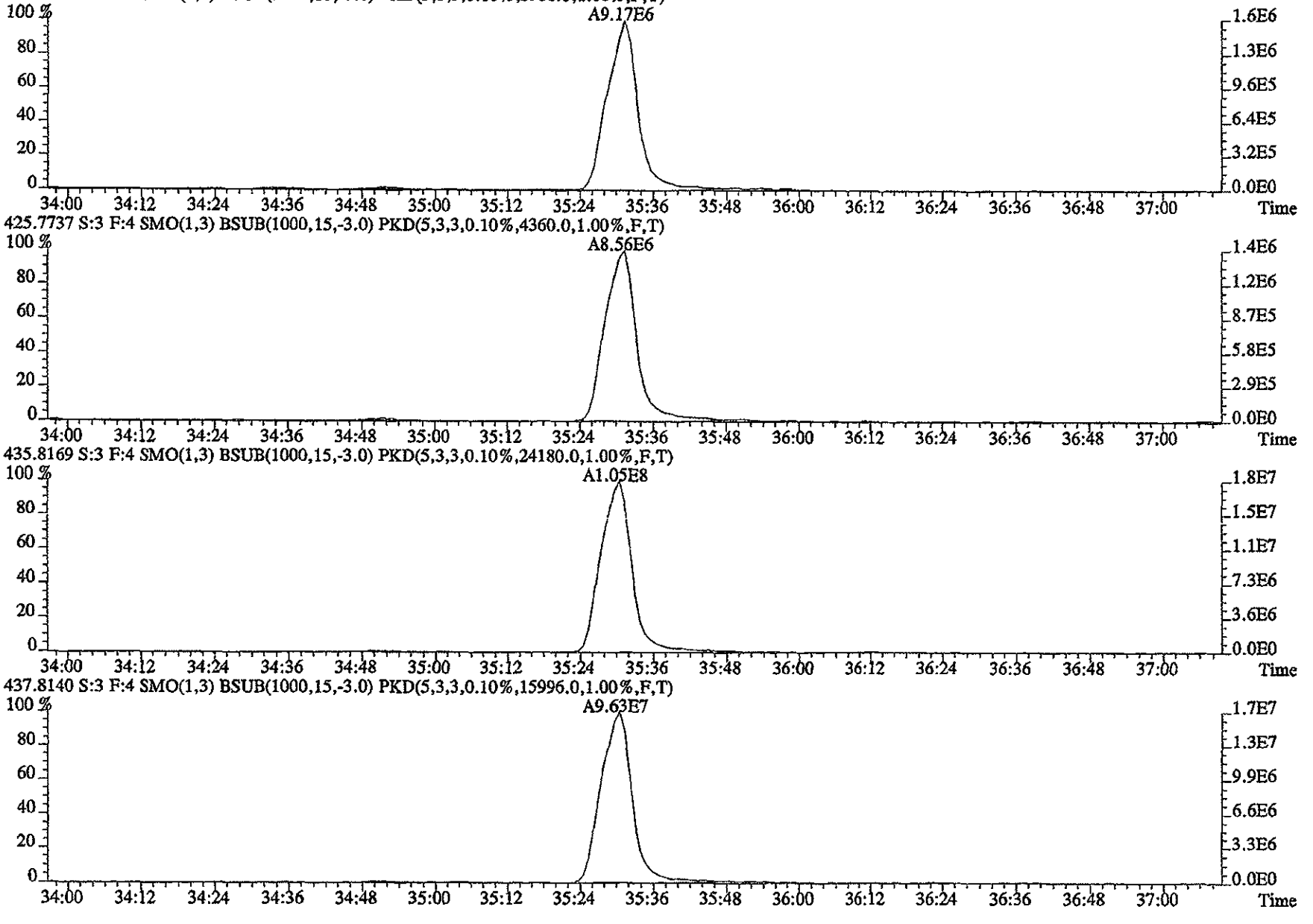


391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5100.0,1.00%,F,T)

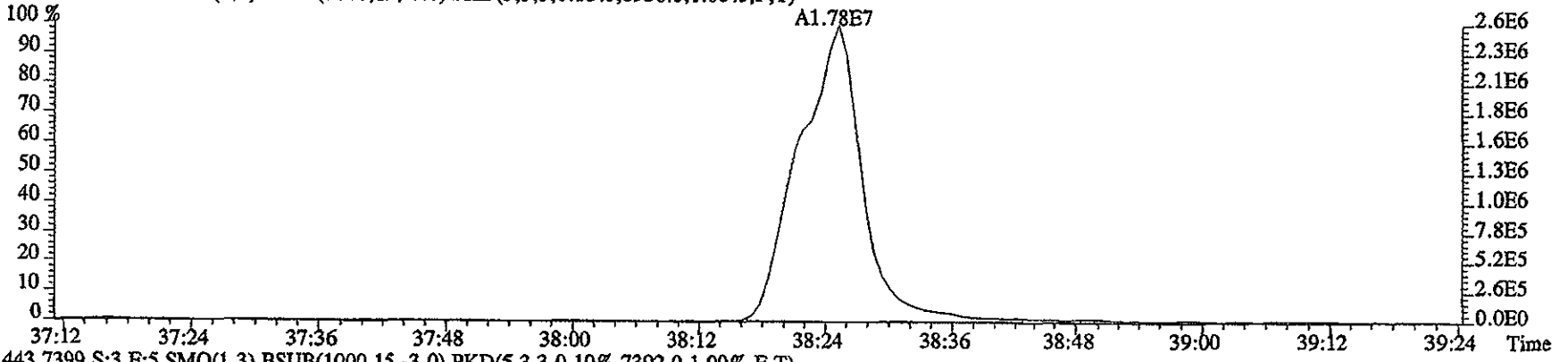




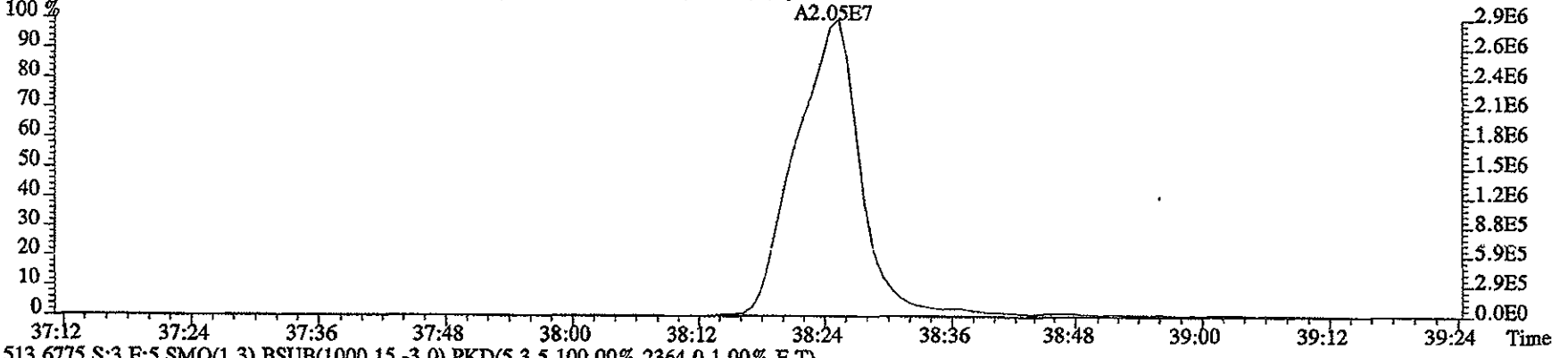
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN



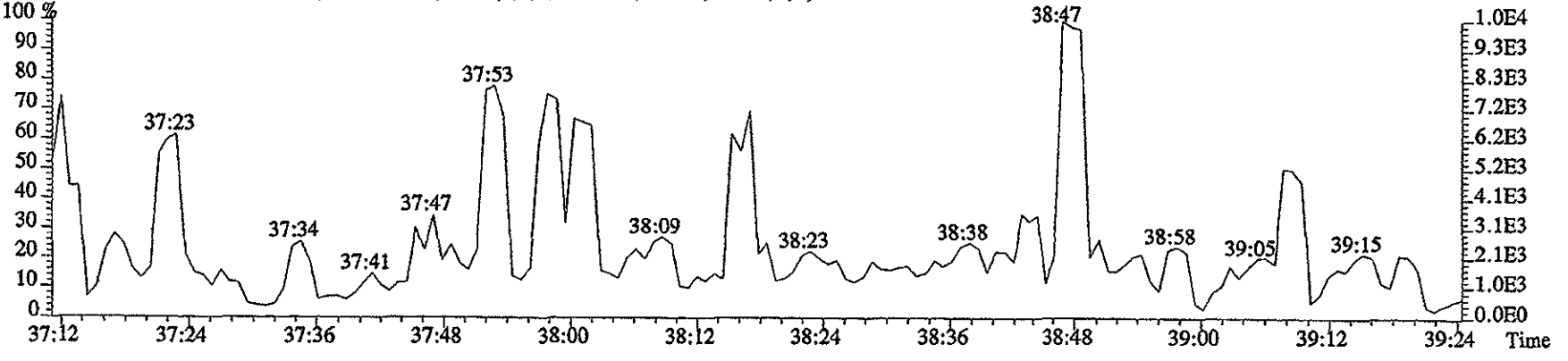
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8956.0,1.00%,F,T)

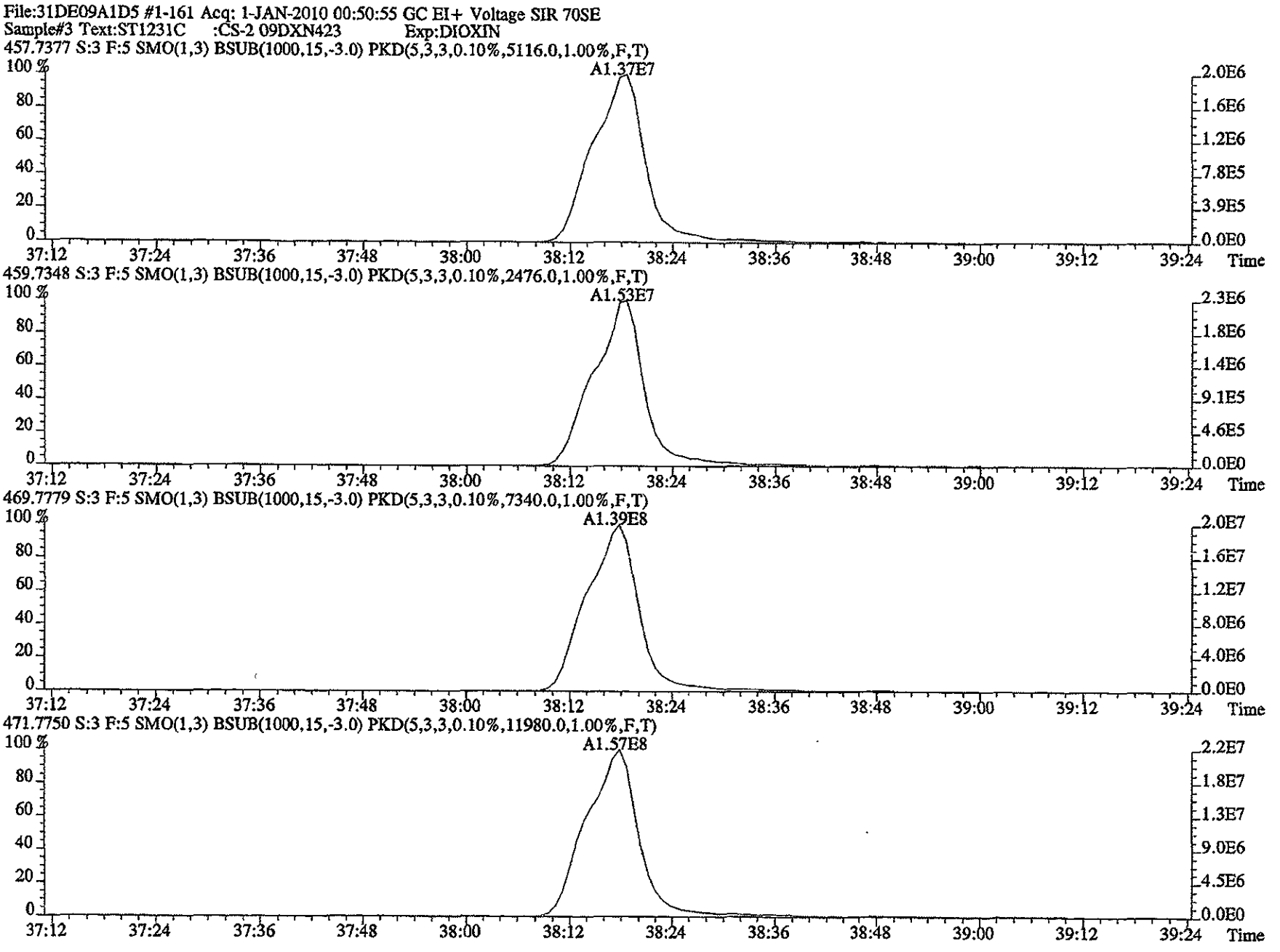


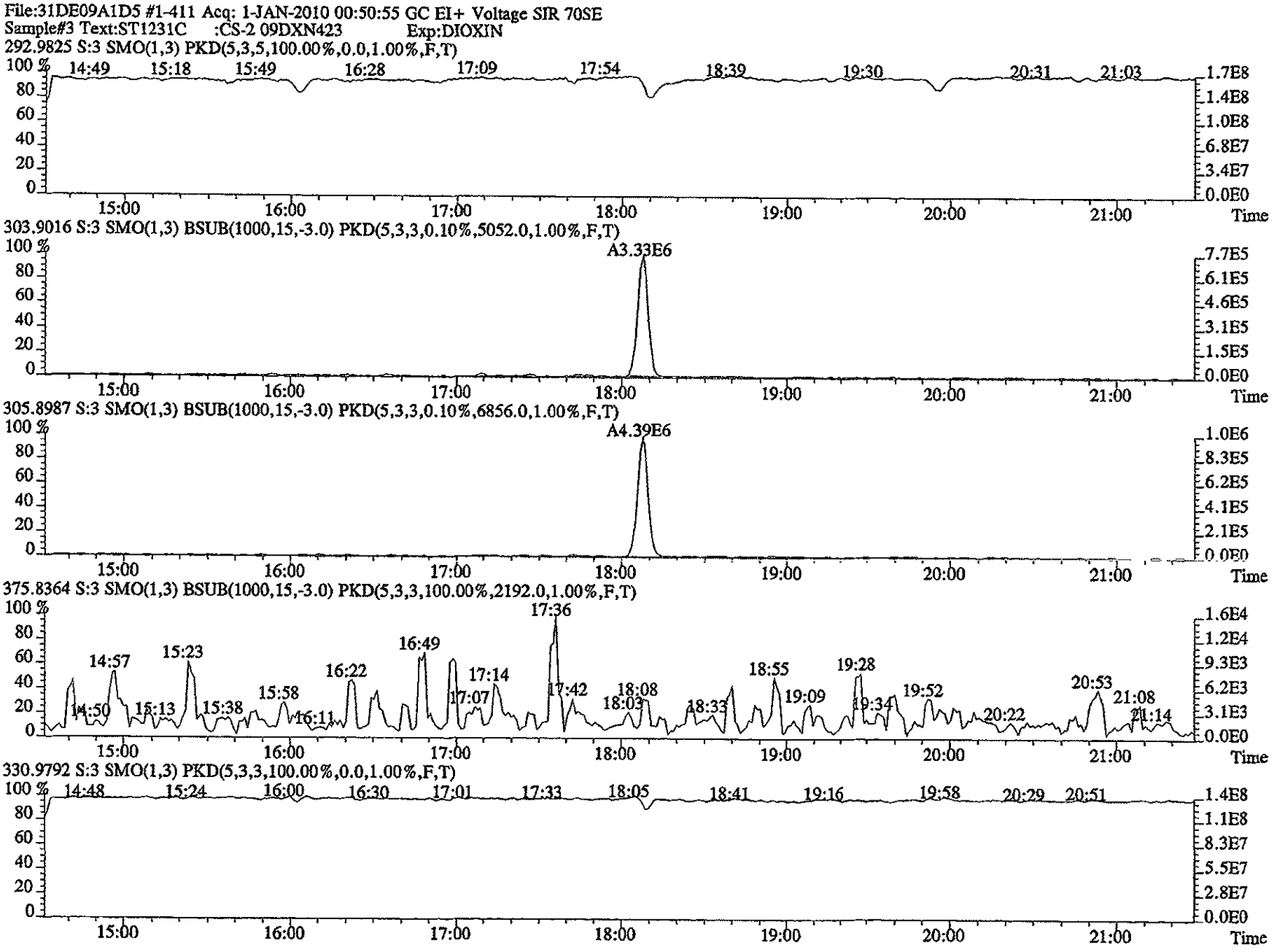
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7392.0,1.00%,F,T)



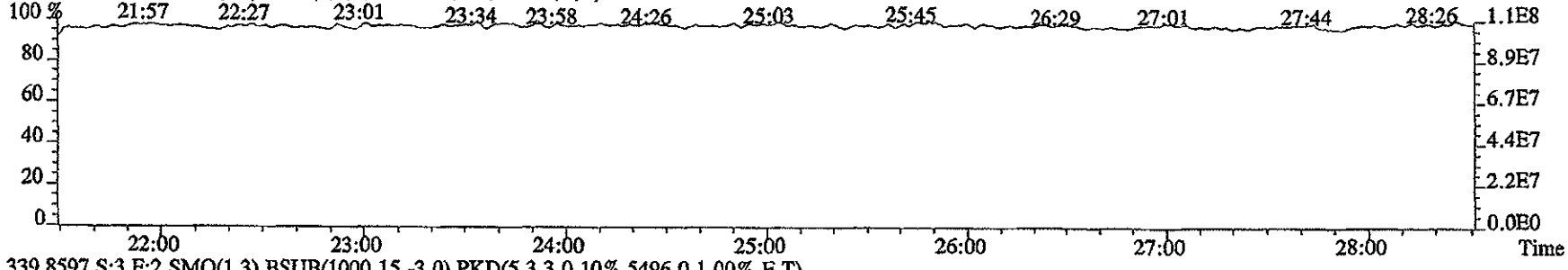
513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2364.0,1.00%,F,T)



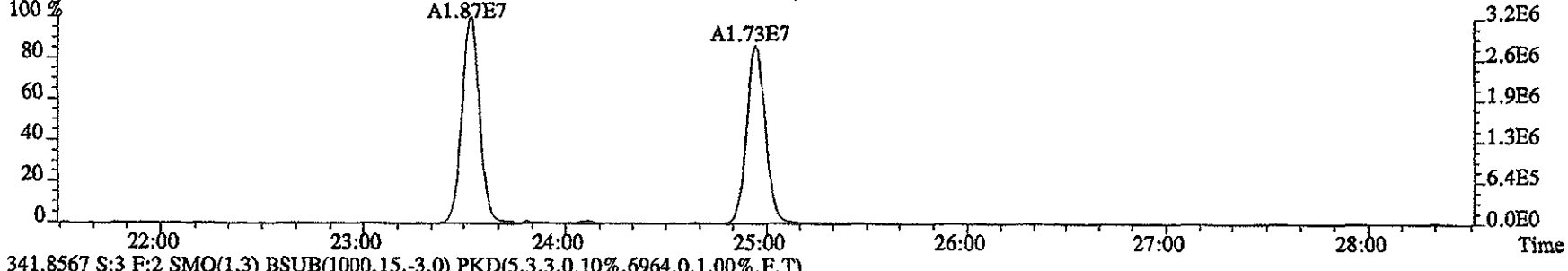

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)
A1.37E7
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2476.0,1.00%,F,T)
A1.53E7
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)
A1.39E8
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11980.0,1.00%,F,T)
A1.57E8
100 %
80
60
40
20
0
37:12
37:24
37:36
37:48
38:00
38:12
38:24
38:36
38:48
39:00
39:12
39:24
Time
2.0E6
1.6E6
1.2E6
7.8E5
3.9E5
0.0E0
2.3E6
1.8E6
1.4E6
9.1E5
4.6E5
0.0E0
2.0E7
1.6E7
1.2E7
8.0E6
4.0E6
0.0E0
2.2E7
1.8E7
1.3E7
9.0E6
4.5E6
0.0E0



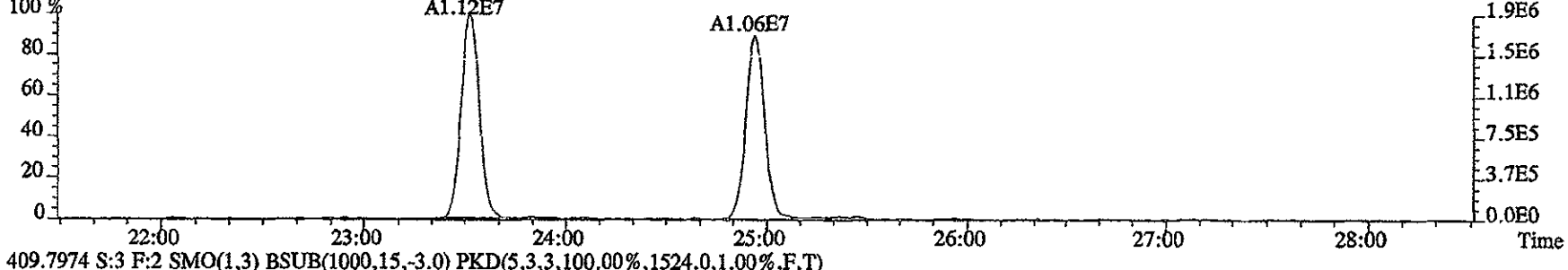
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



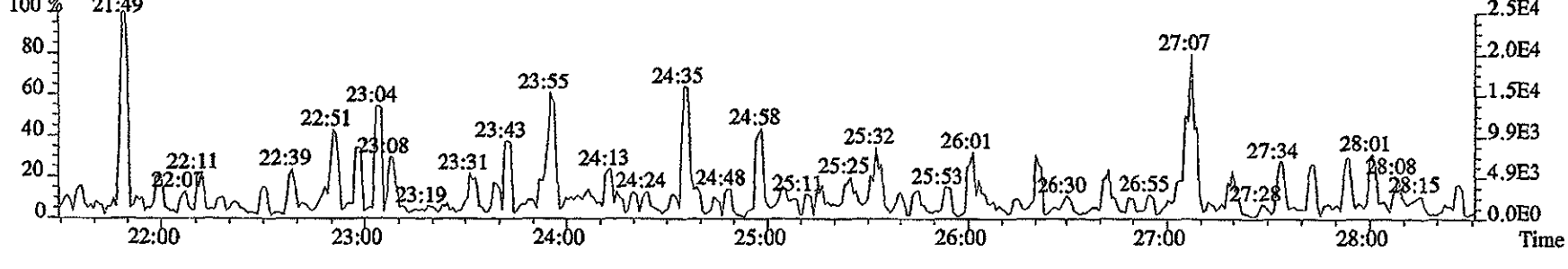
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5496.0,1.00%,F,T)



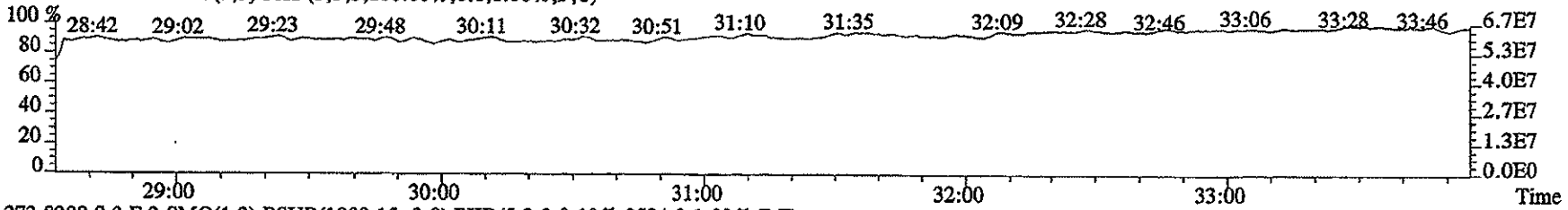
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6964.0,1.00%,F,T)



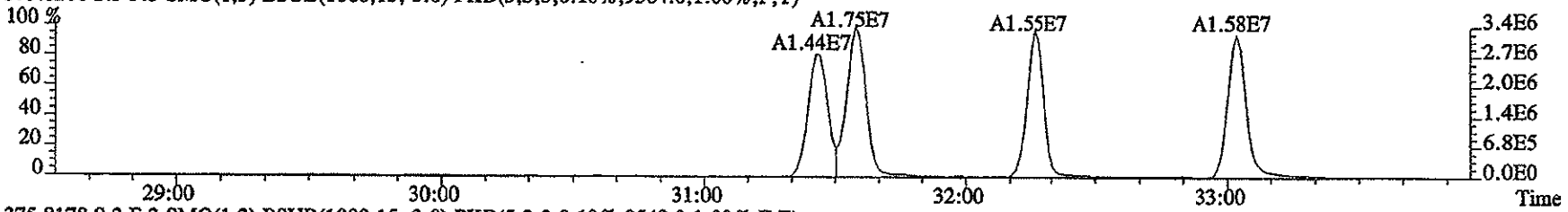
409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1524.0,1.00%,F,T)



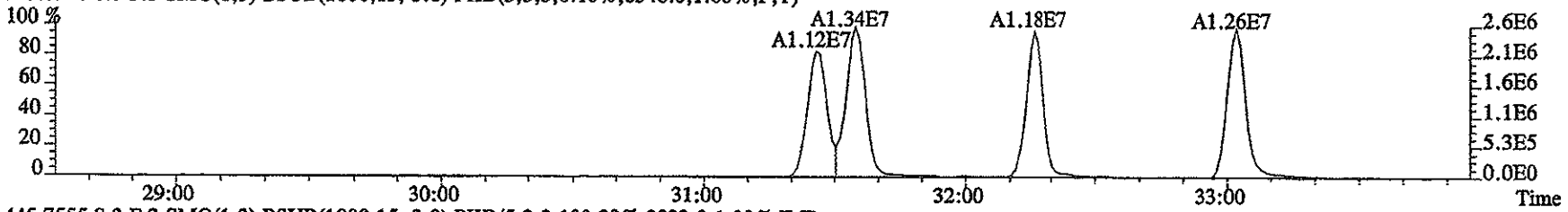
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



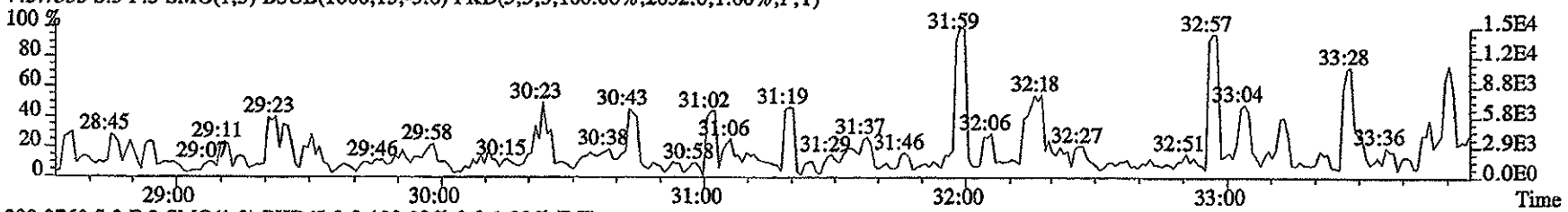
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9584.0,1.00%,F,T)



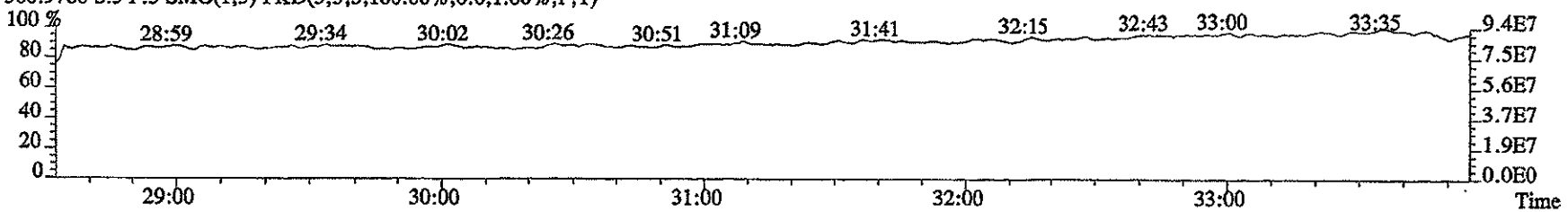
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8548.0,1.00%,F,T)

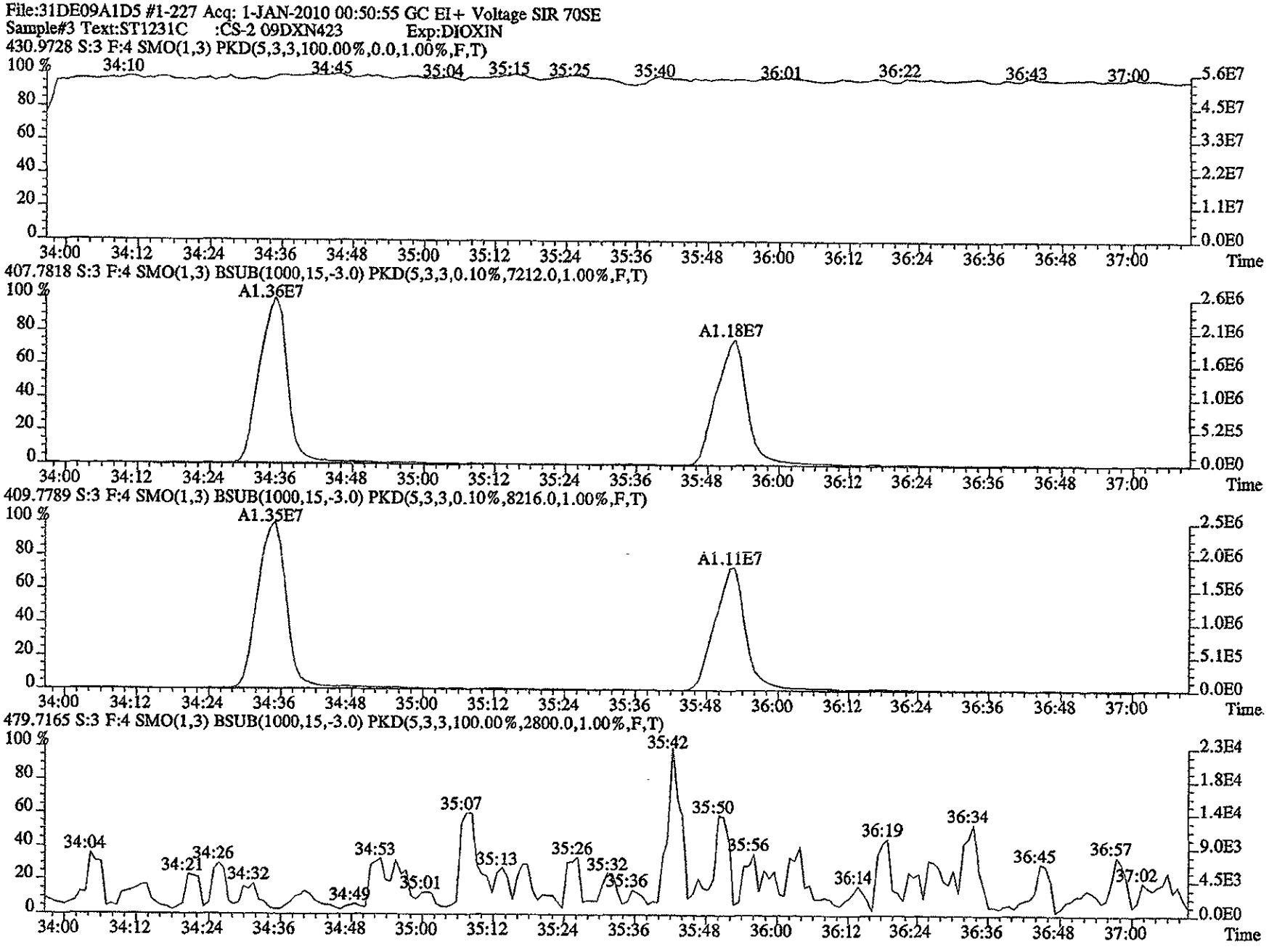


445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2032.0,1.00%,F,T)

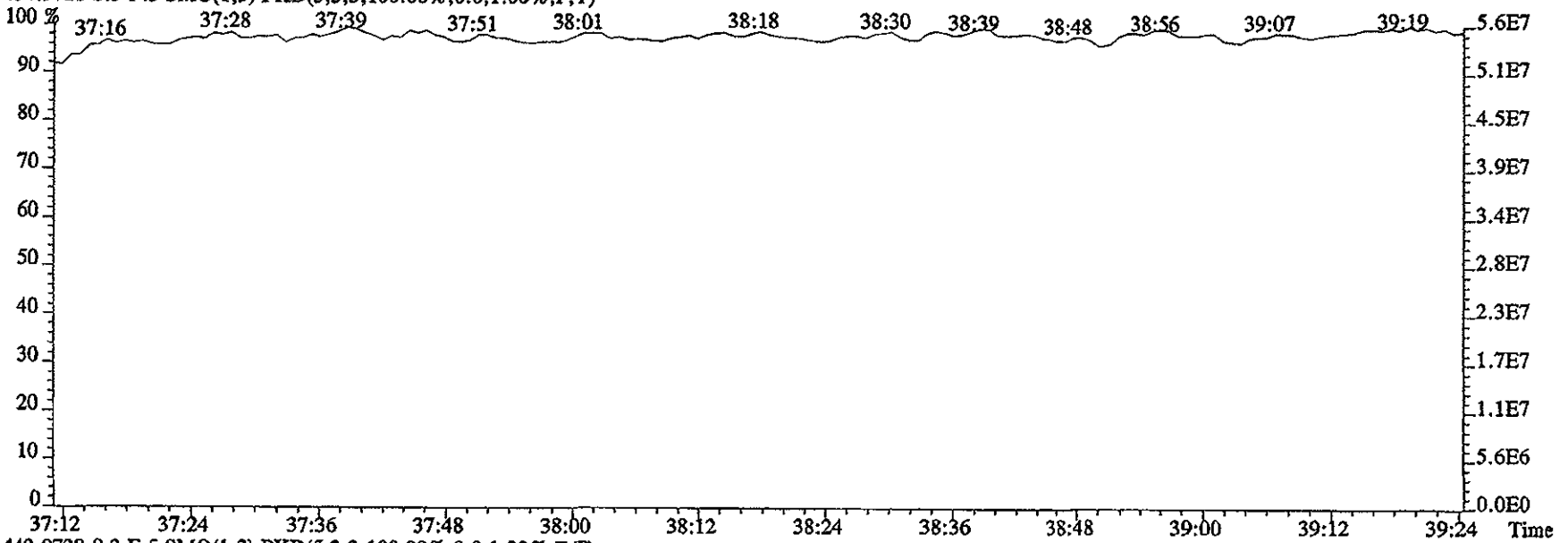


380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

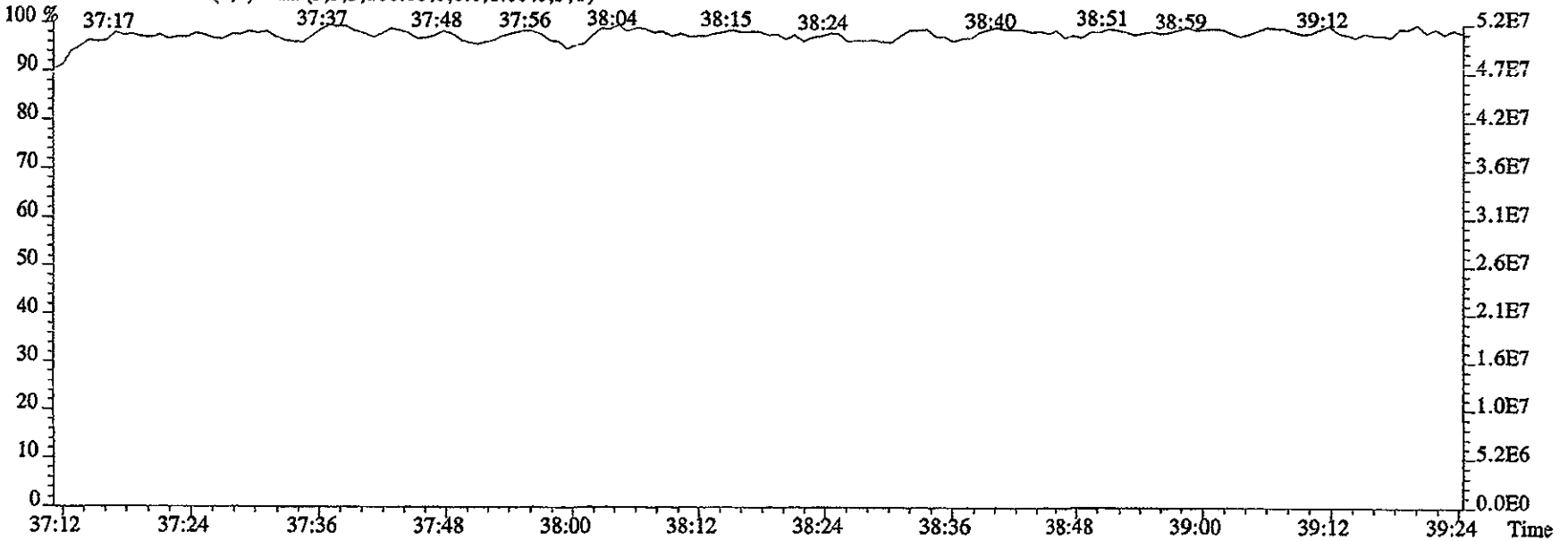




File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

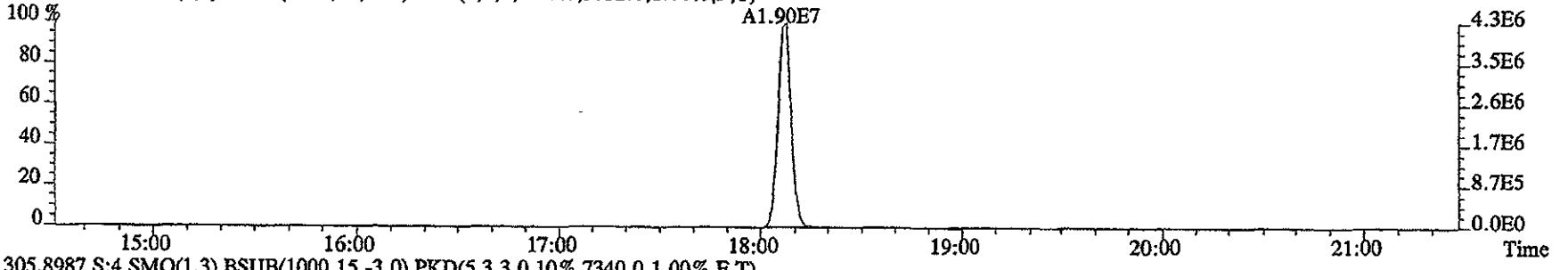


442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

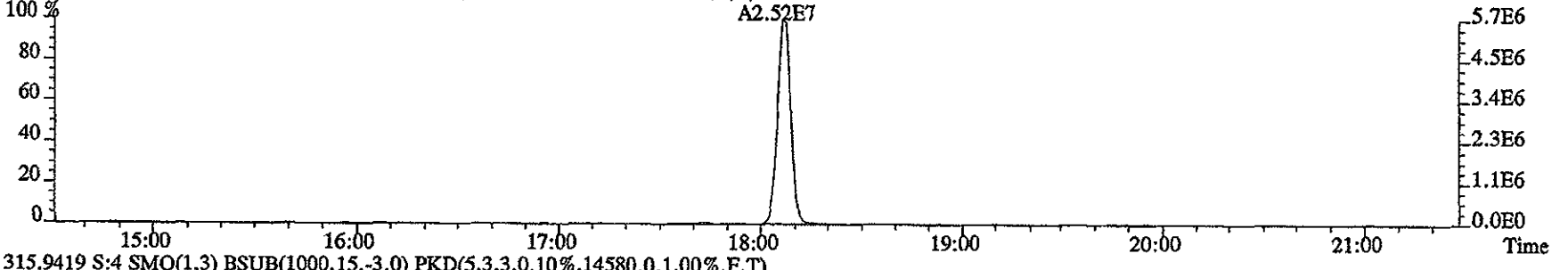


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

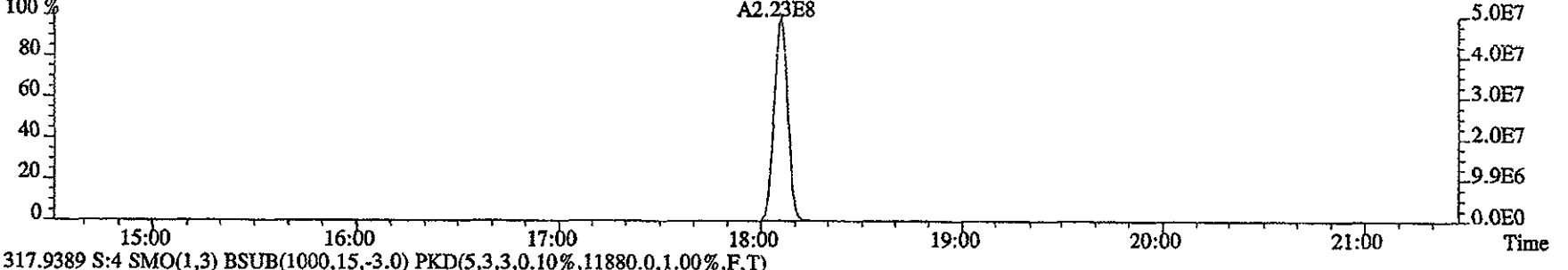
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)



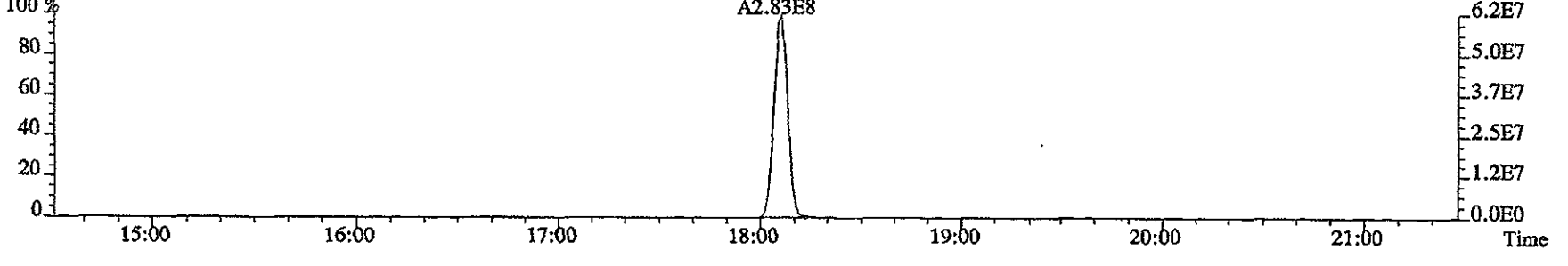
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)



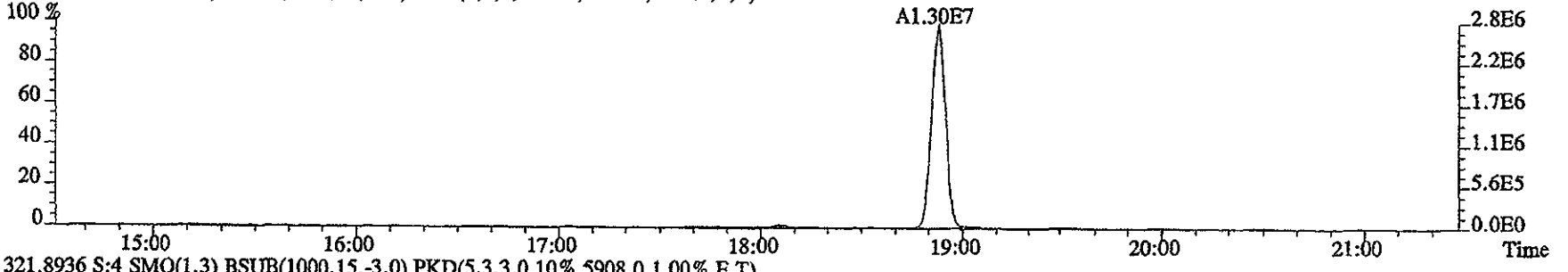
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14580.0,1.00%,F,T)



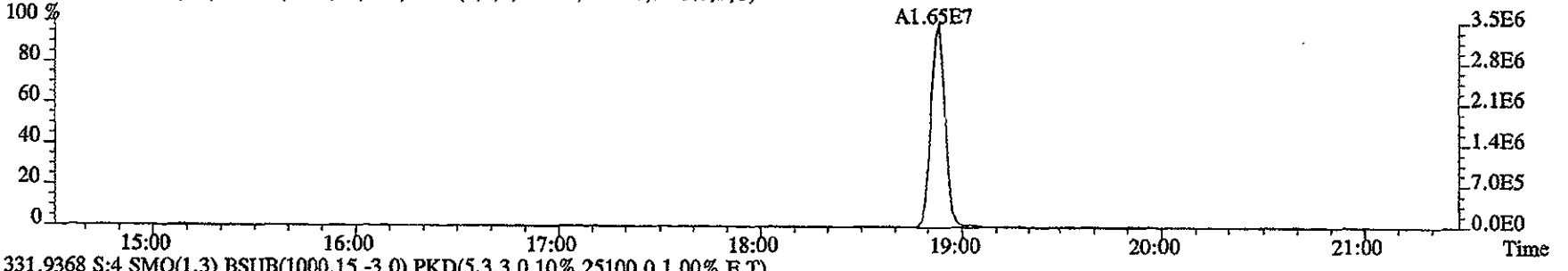
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11880.0,1.00%,F,T)



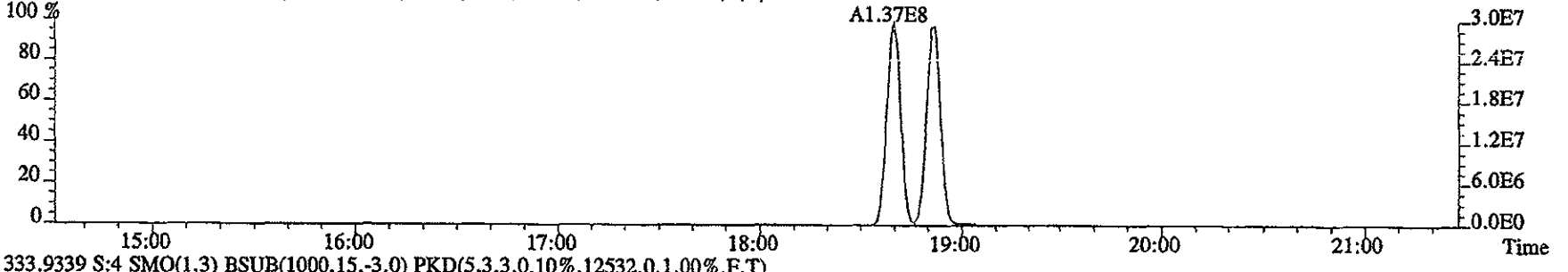
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5572.0,1.00%,F,T)



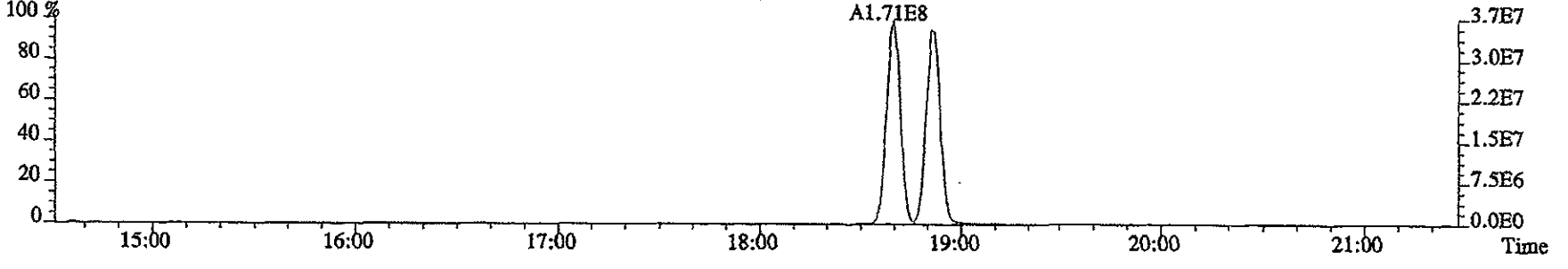
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5908.0,1.00%,F,T)

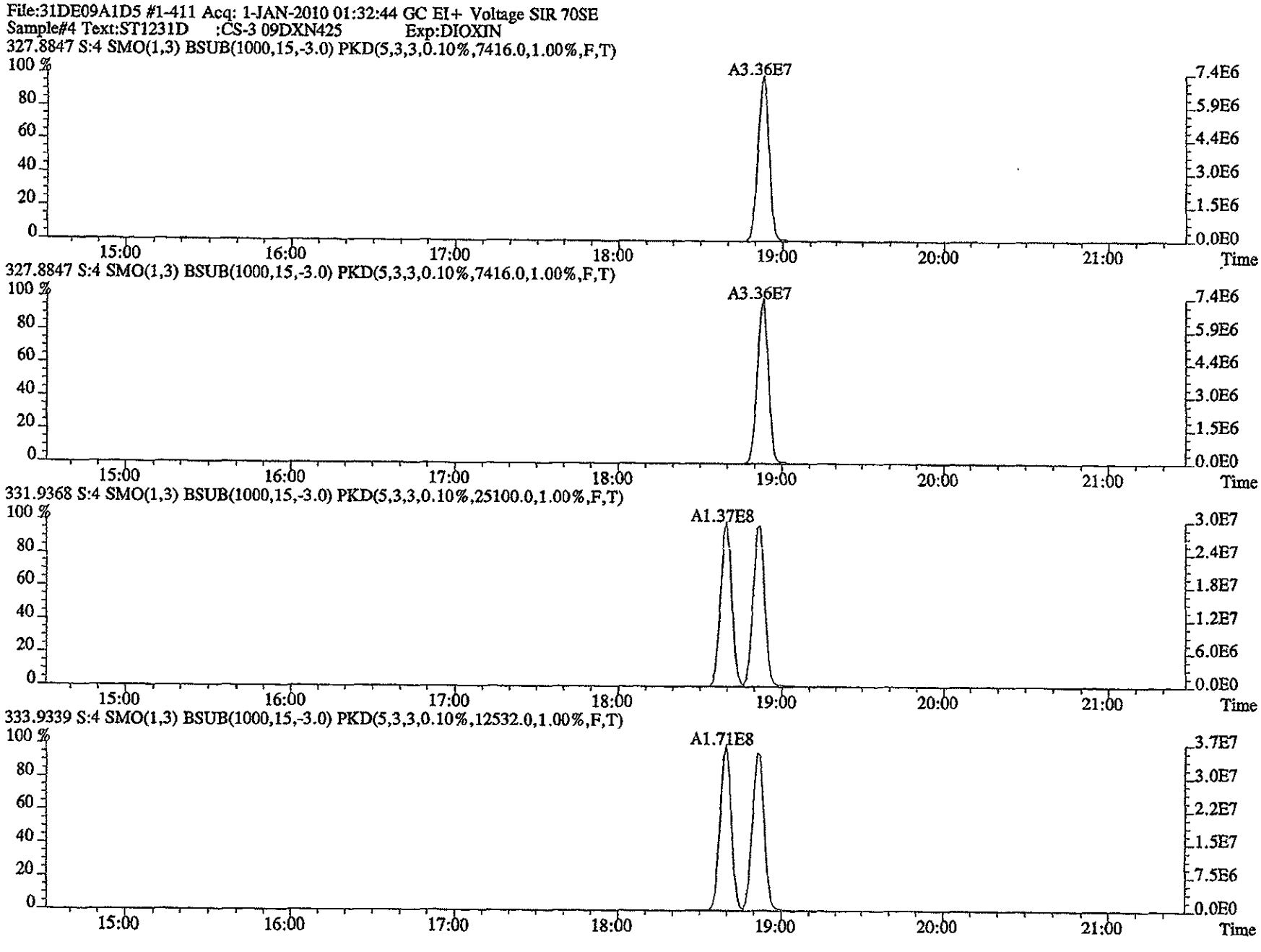


331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25100.0,1.00%,F,T)



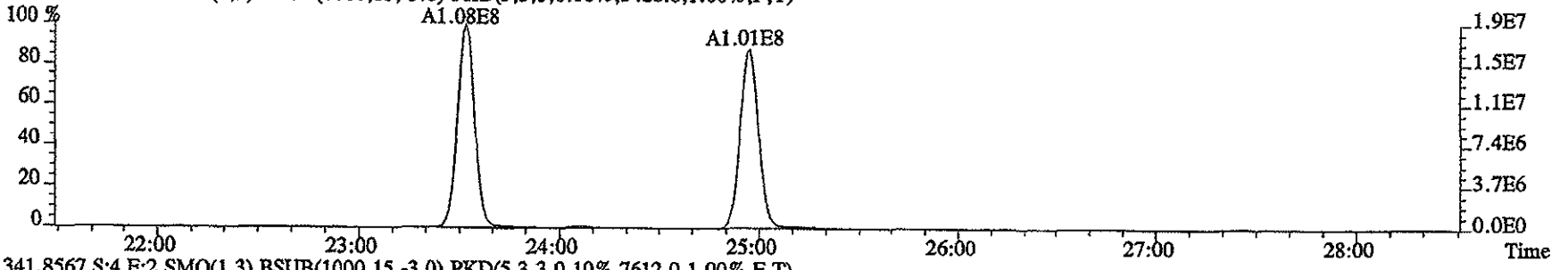
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12532.0,1.00%,F,T)



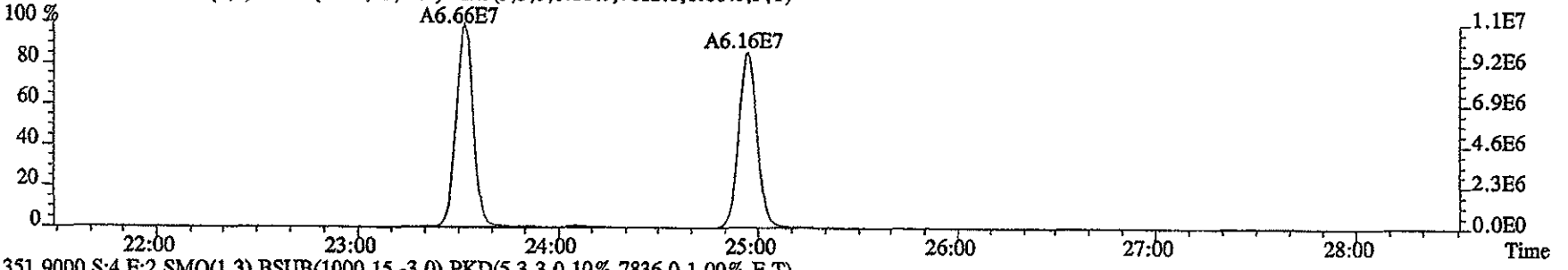


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

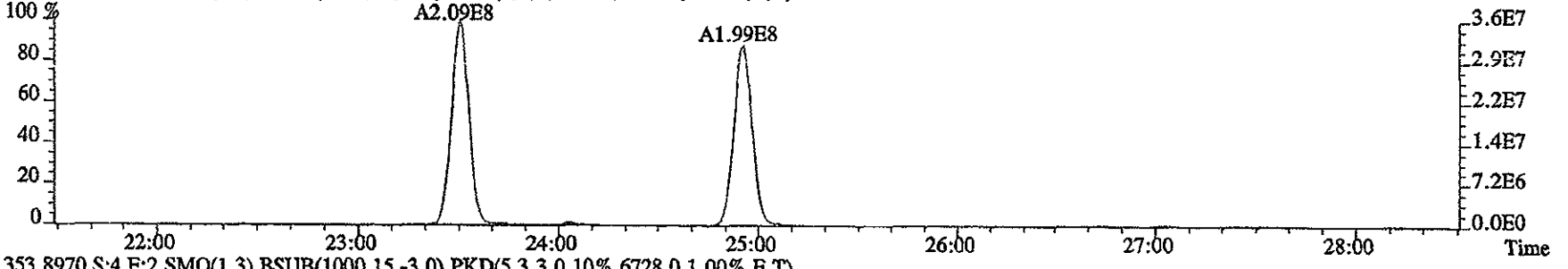
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)



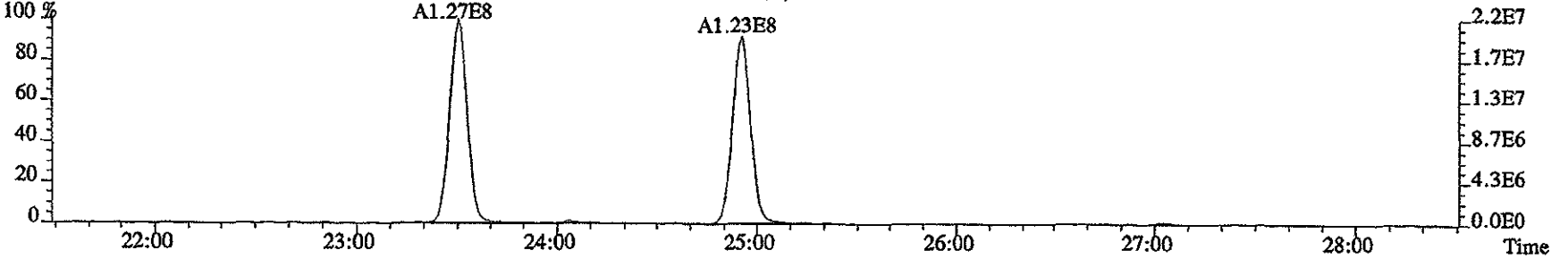
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)



351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7836.0,1.00%,F,T)

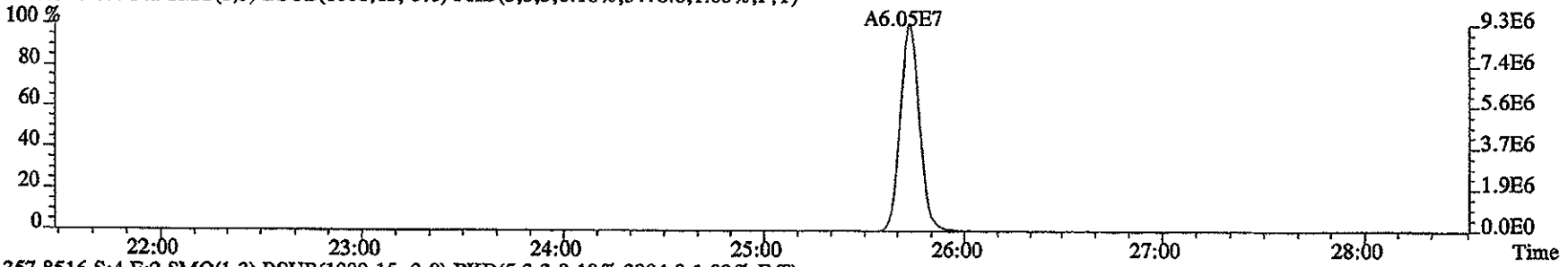


353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6728.0,1.00%,F,T)

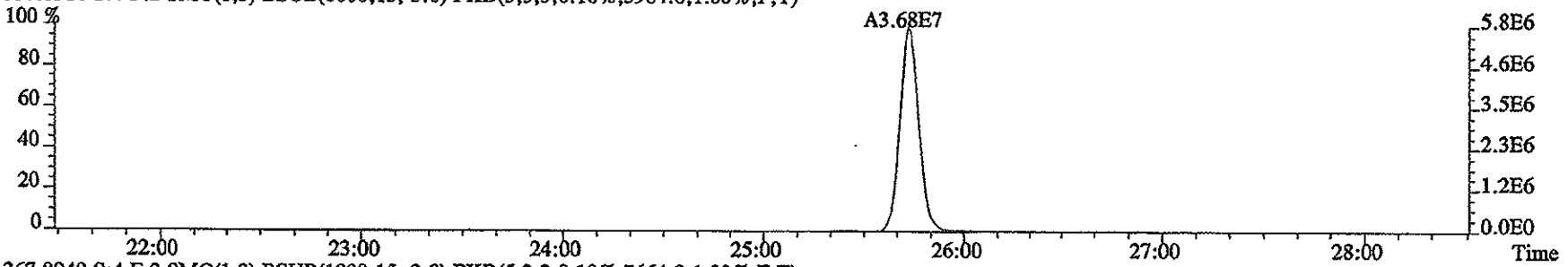


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

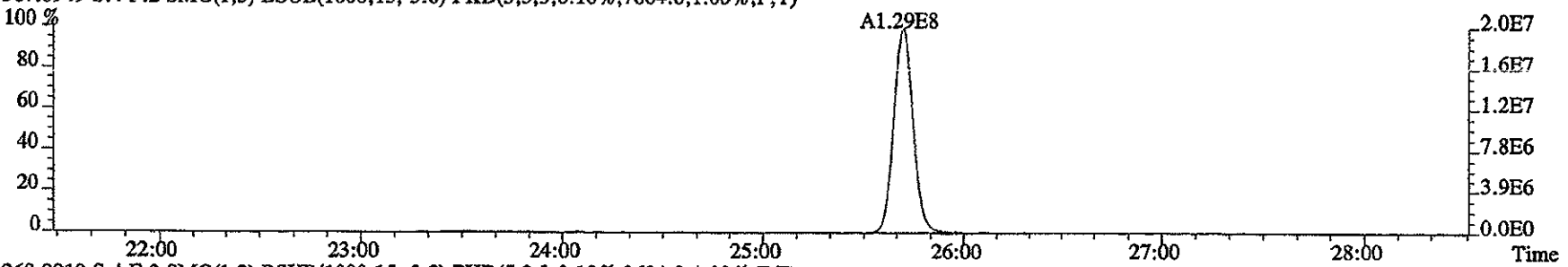
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5476.0,1.00%,F,T)



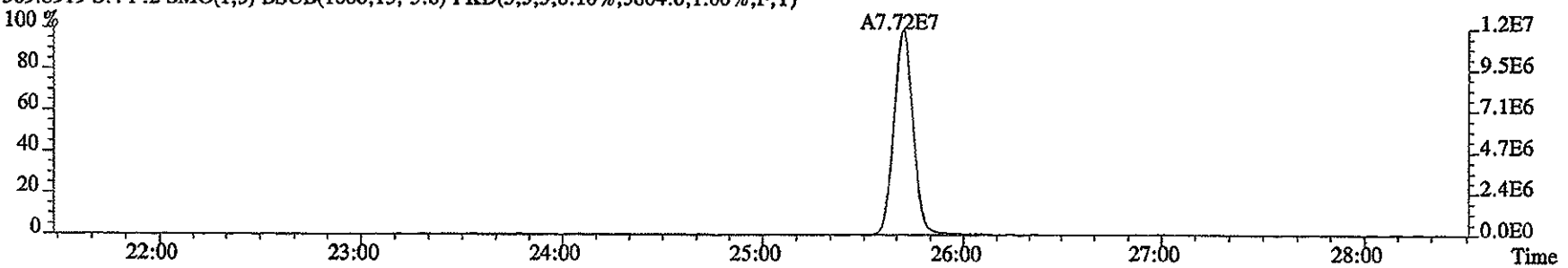
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3984.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7664.0,1.00%,F,T)

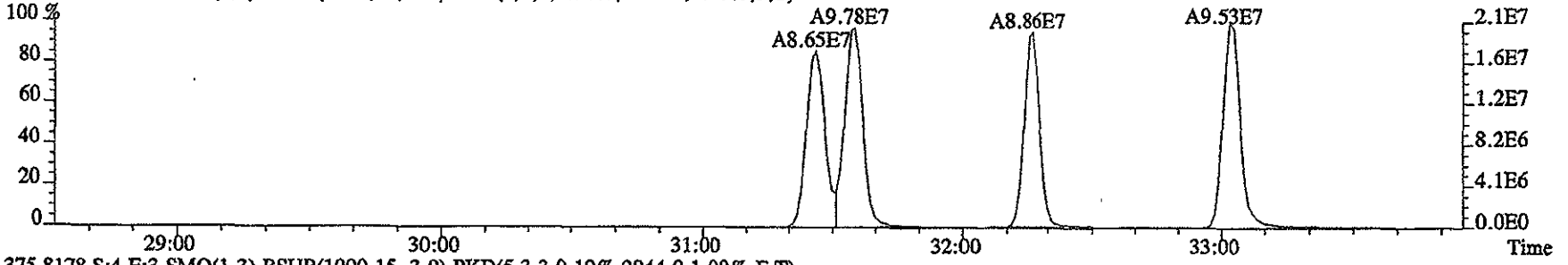


369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3604.0,1.00%,F,T)

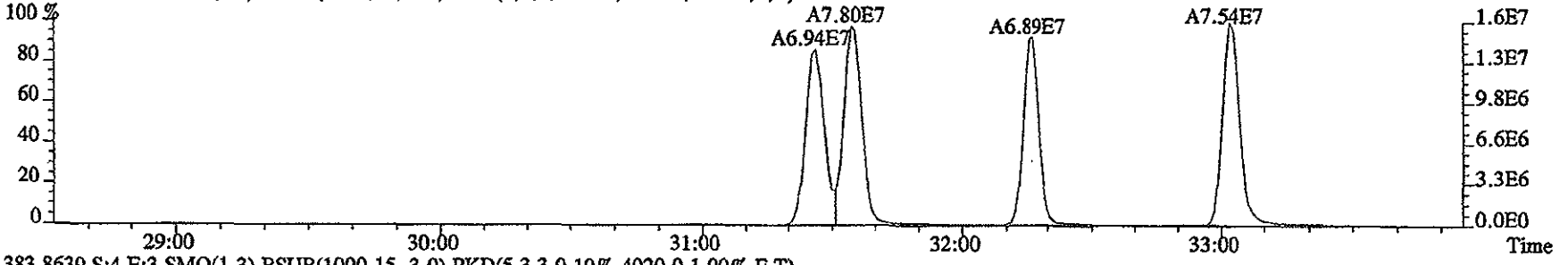


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

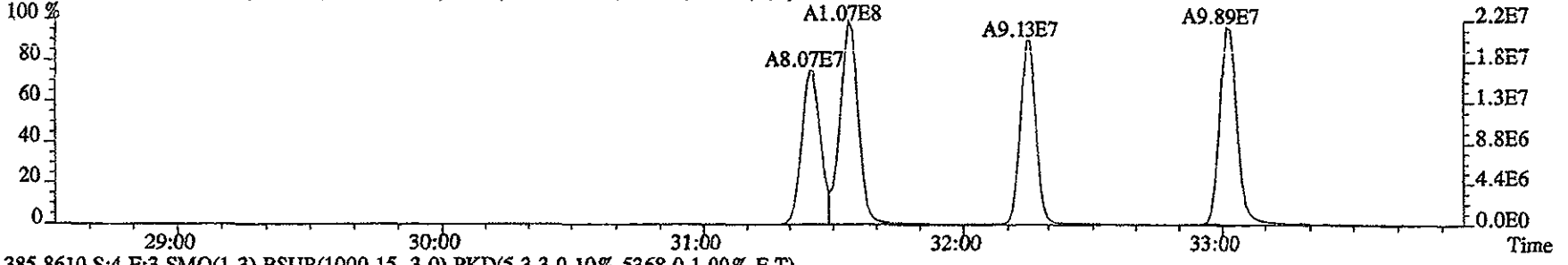
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



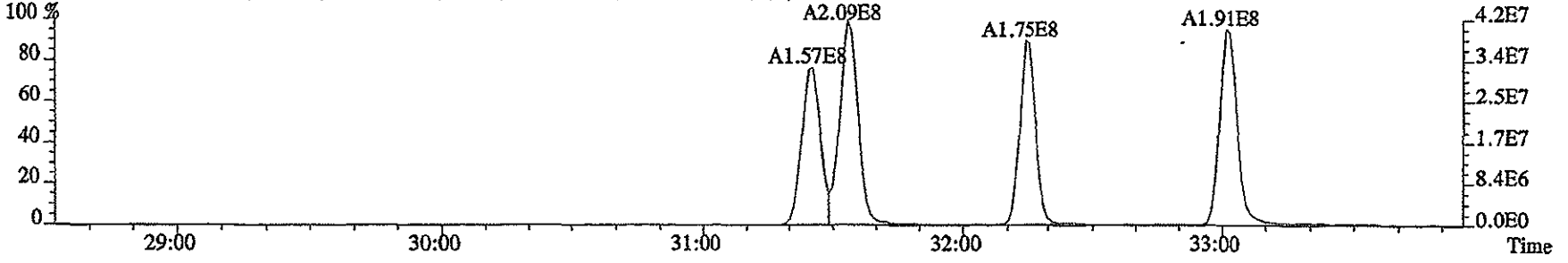
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)



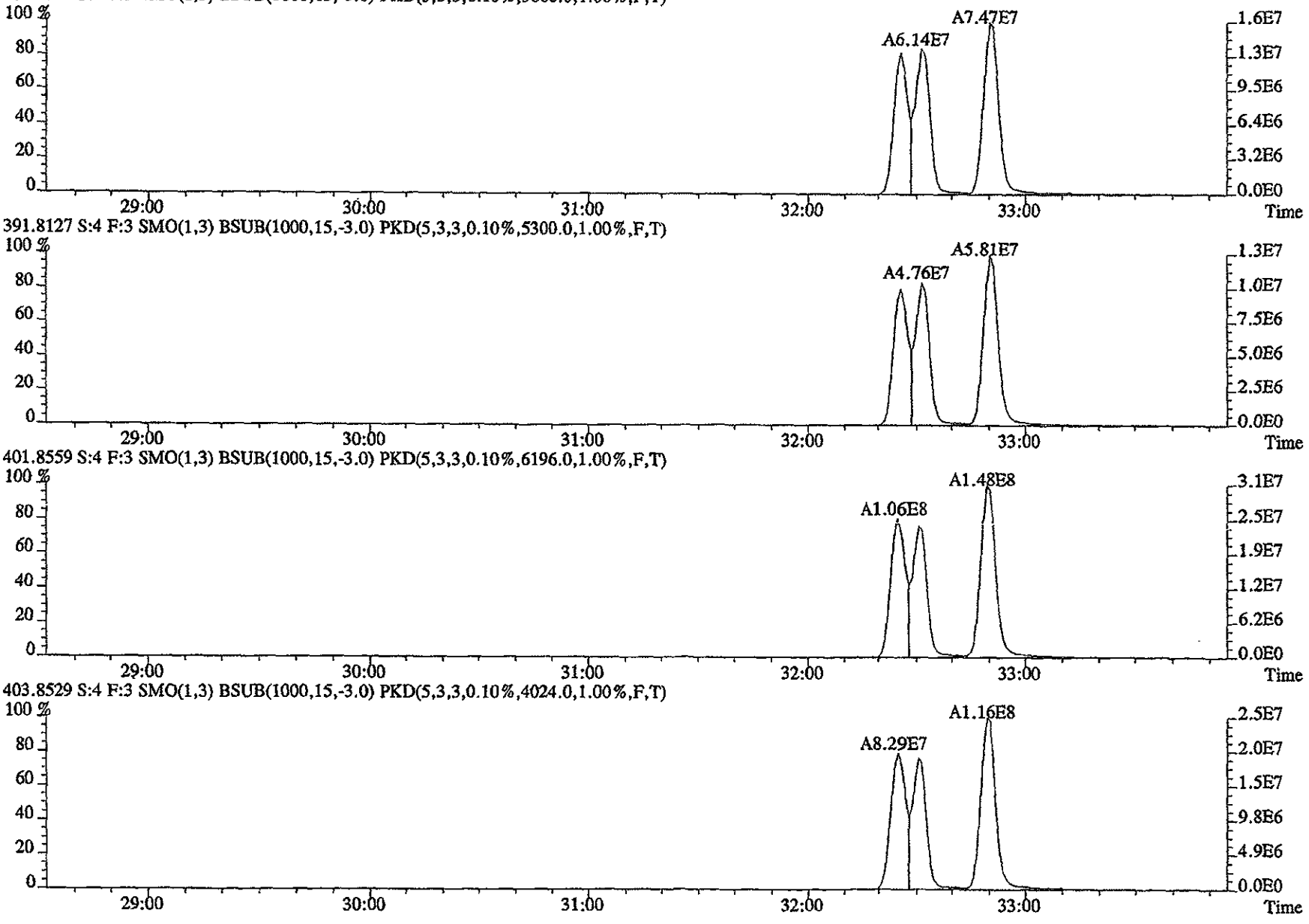
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4020.0,1.00%,F,T)

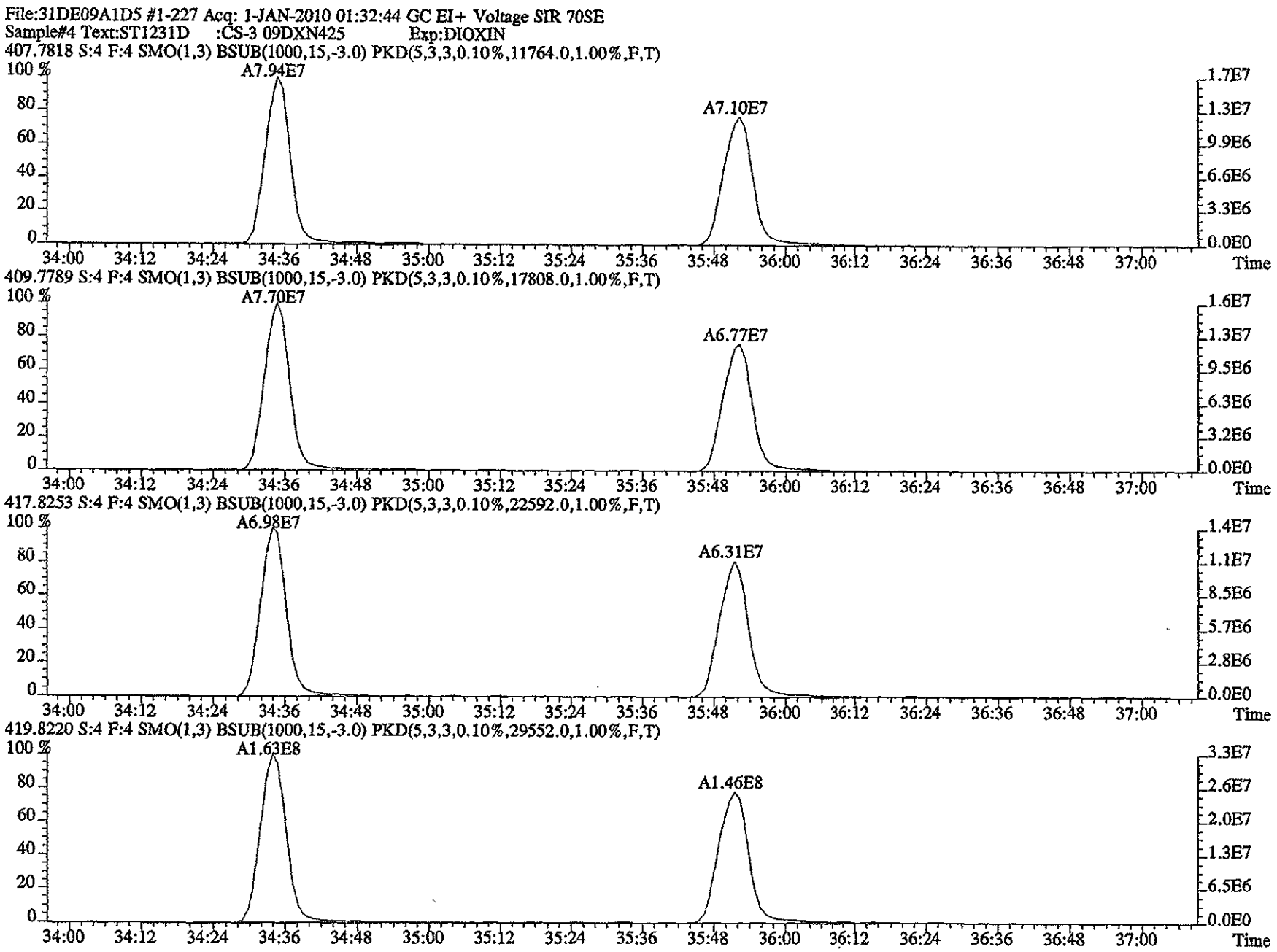


385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5368.0,1.00%,F,T)

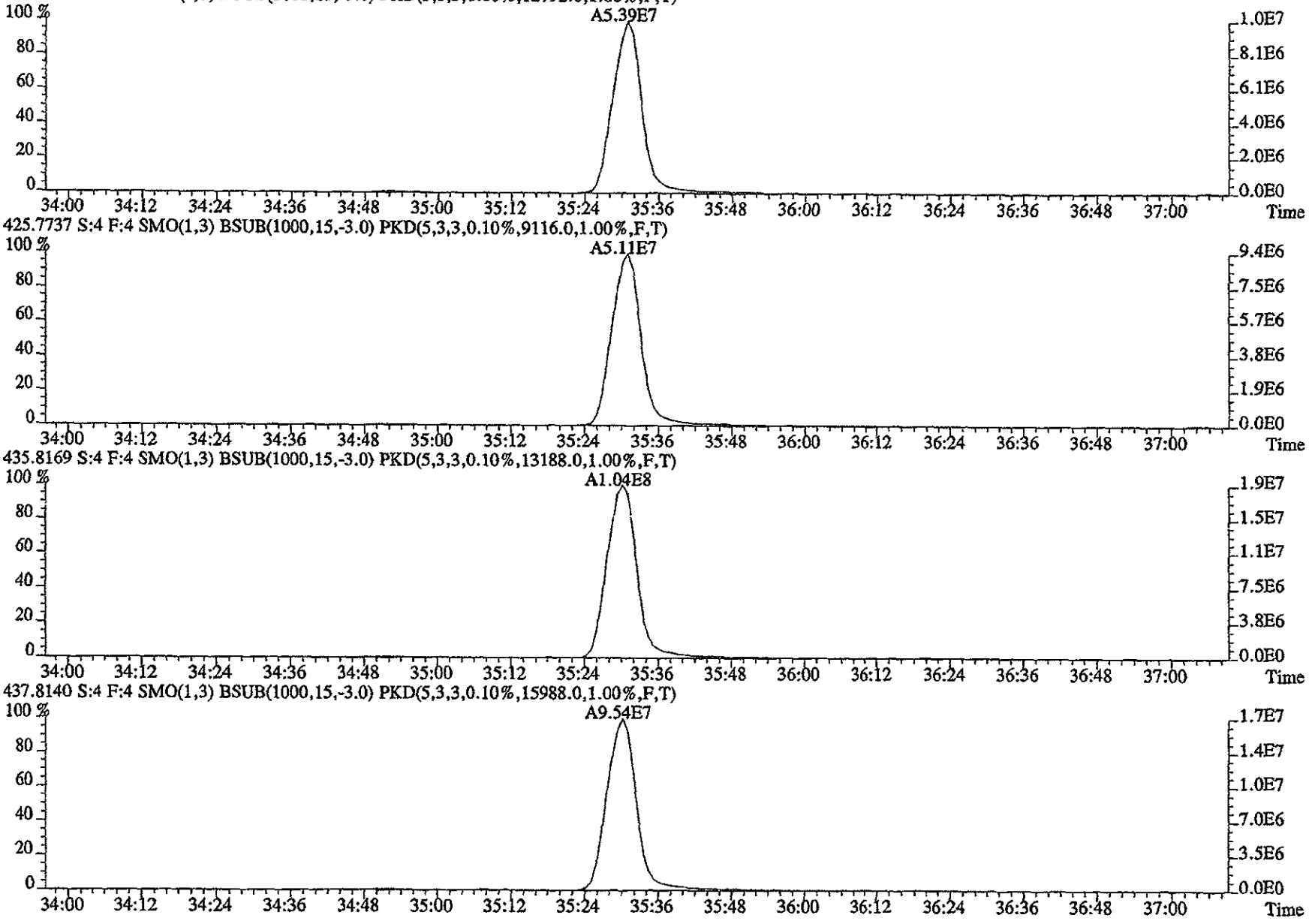


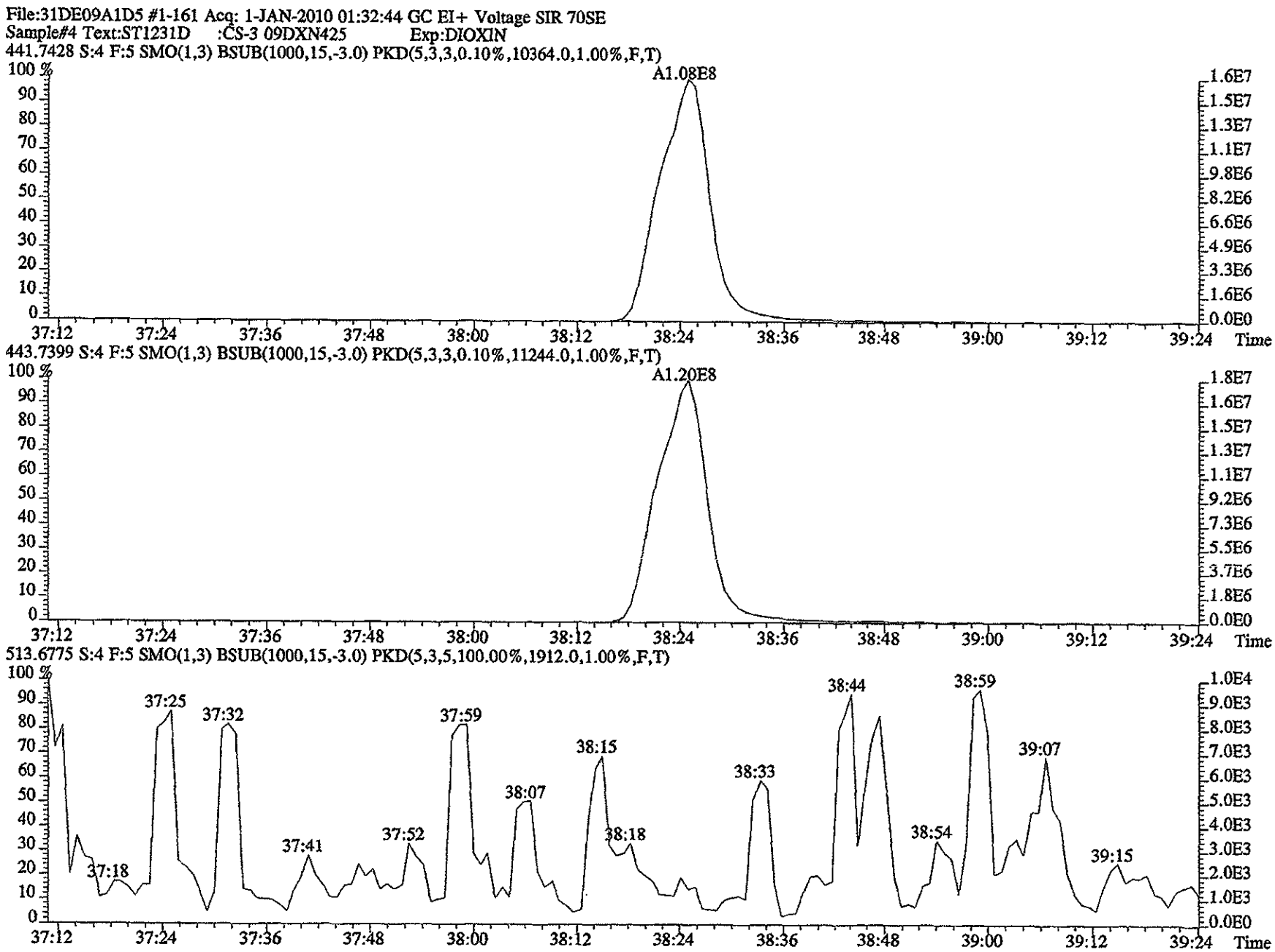
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN





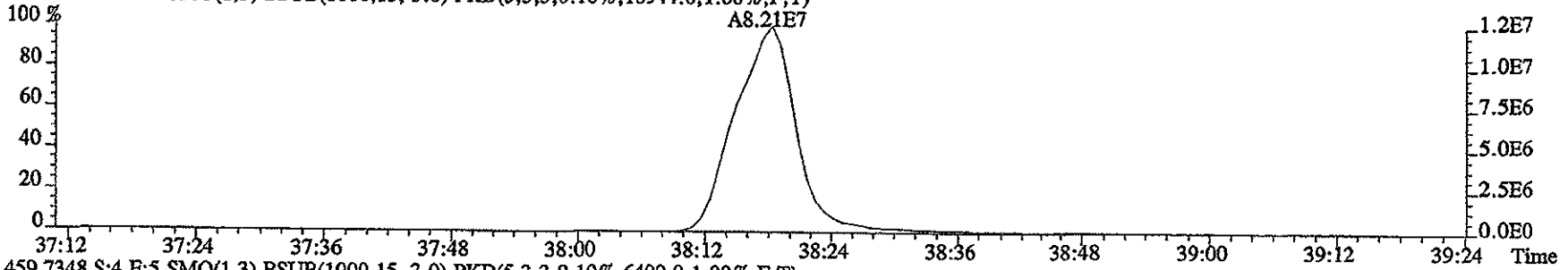
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN



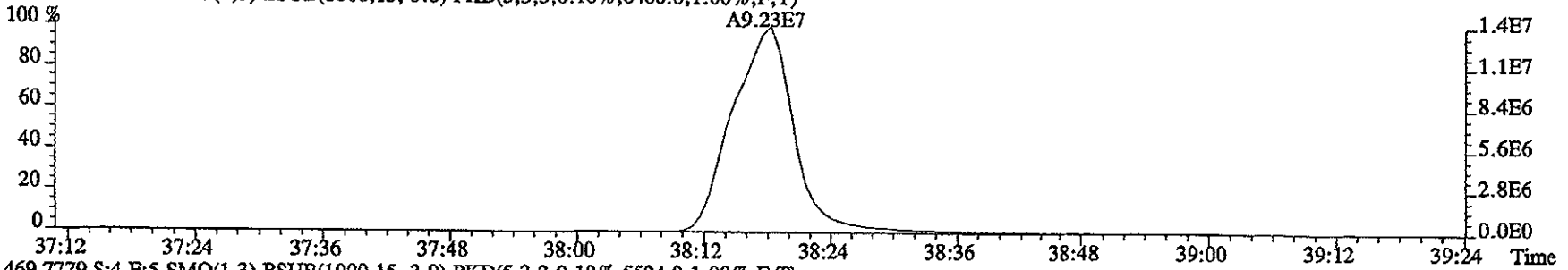

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10364.0,1.00%,F,T)
A1.08E8
443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11244.0,1.00%,F,T)
A1.20E8
513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1912.0,1.00%,F,T)
37:18
37:25
37:32
37:41
37:52
37:59
38:07
38:15
38:18
38:33
38:44
38:54
38:59
39:07
39:15
Time

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

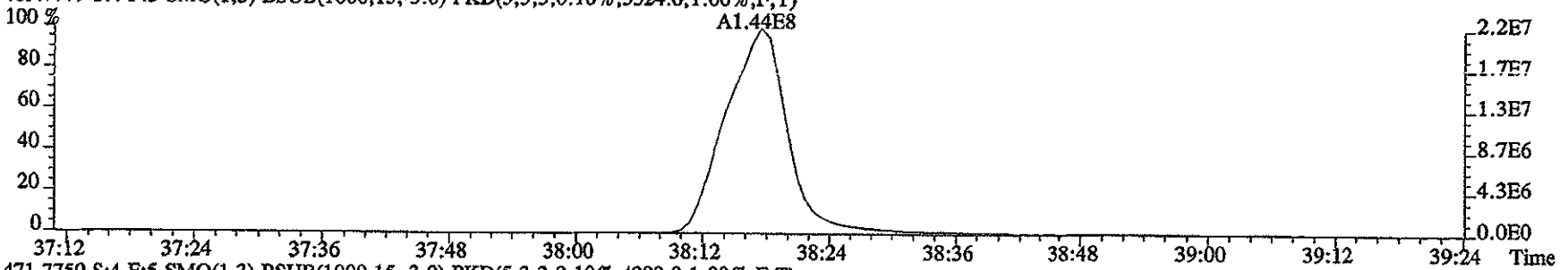
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18944.0,1.00%,F,T)



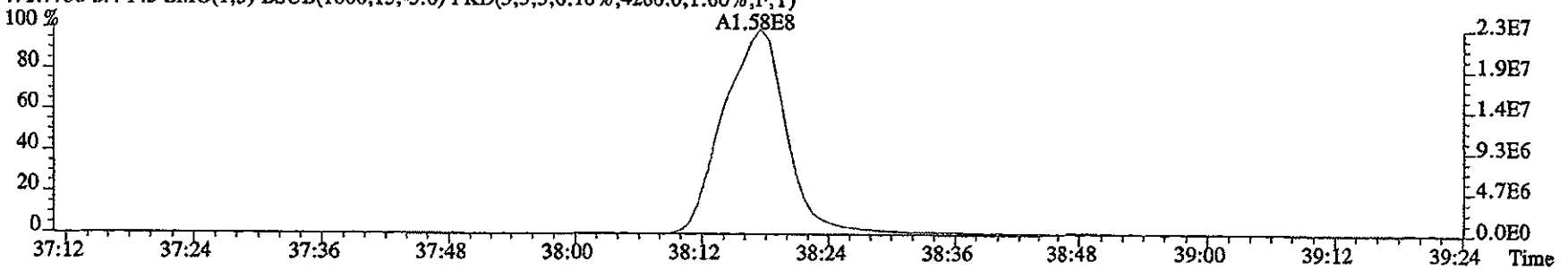
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T)

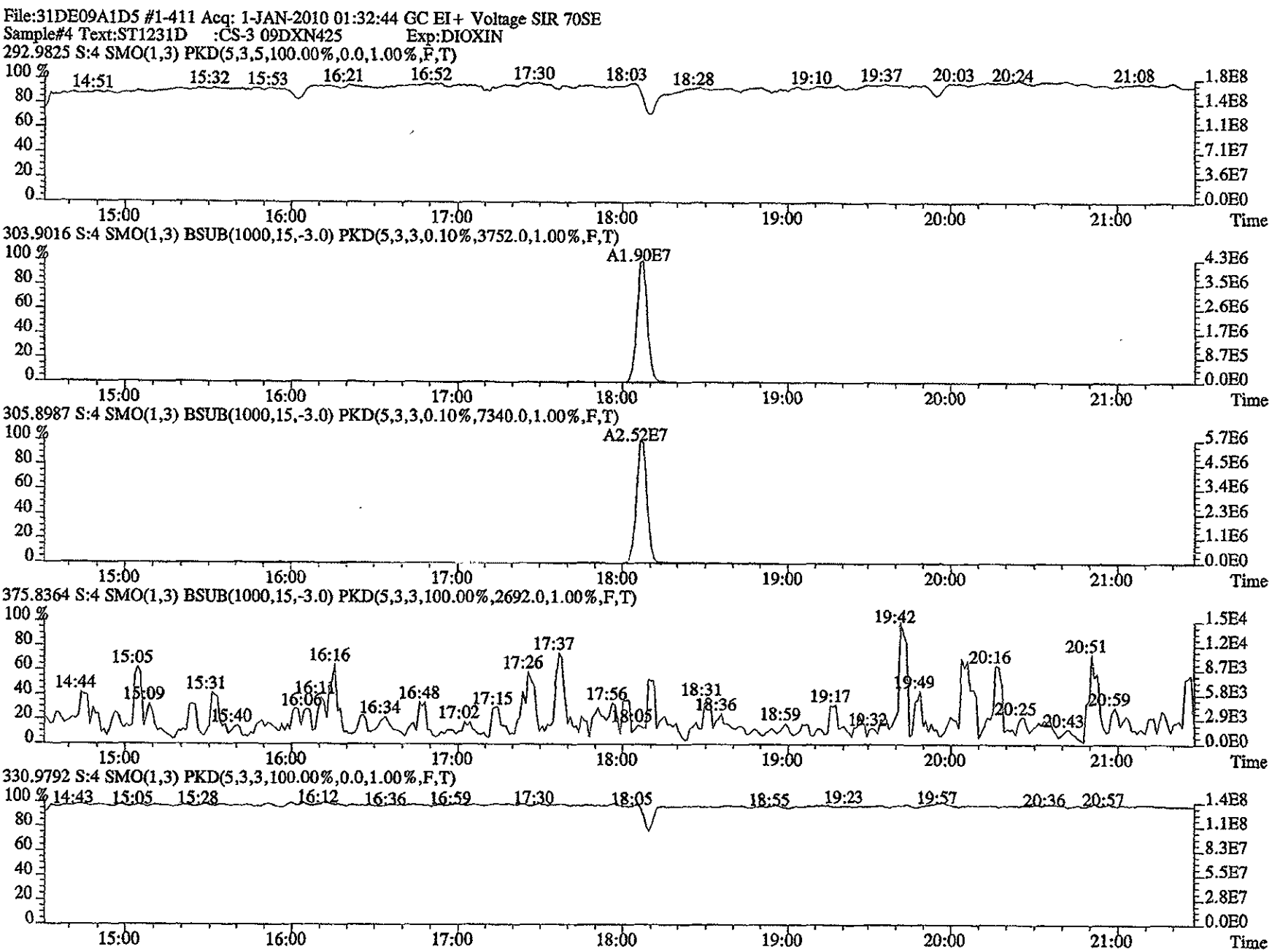


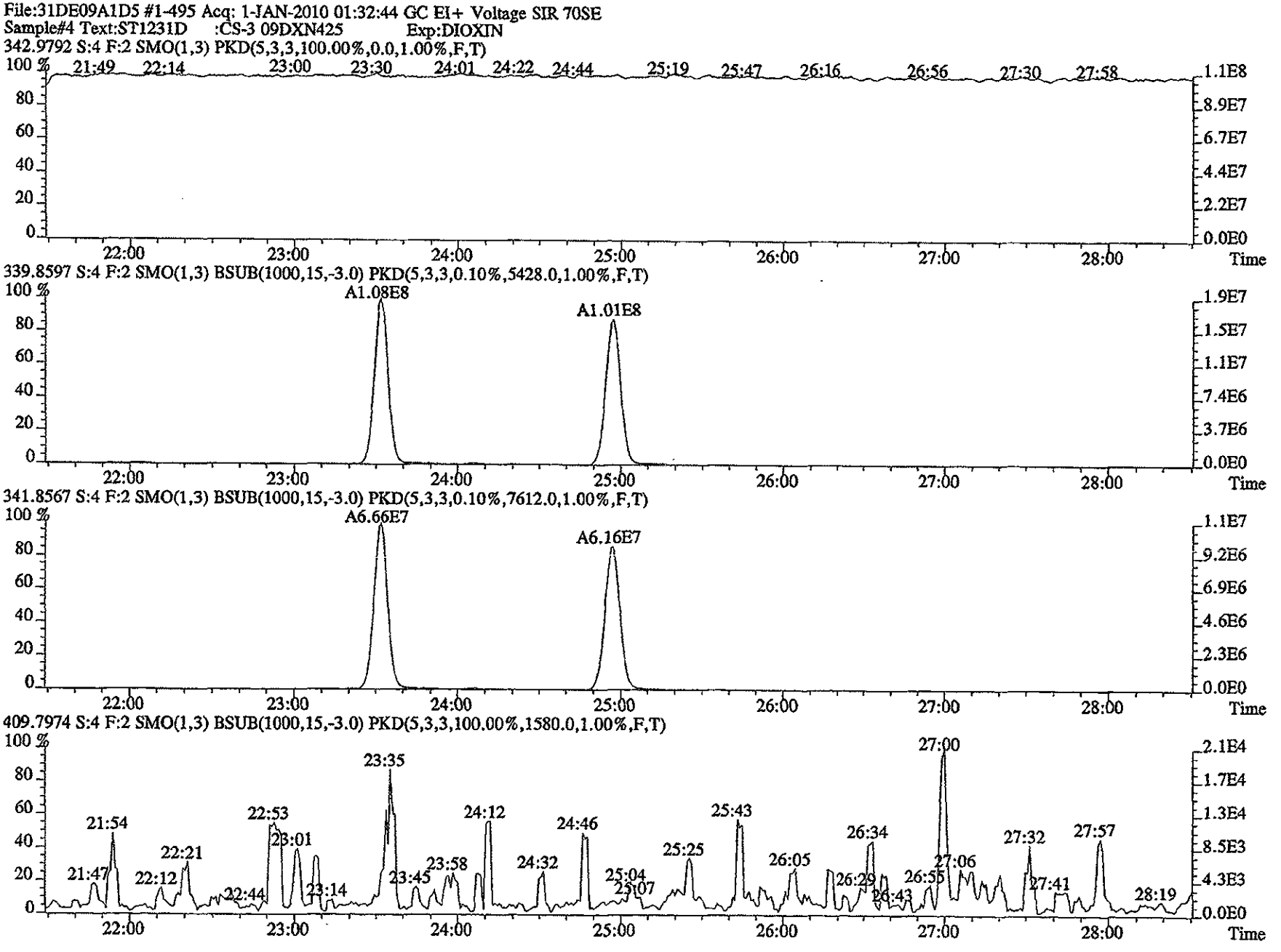
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5524.0,1.00%,F,T)



471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4280.0,1.00%,F,T)

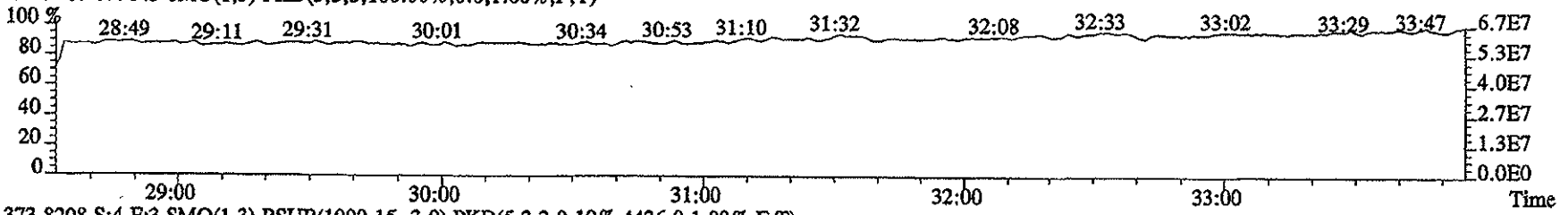



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)
A1.90E7
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340.0,1.00%,F,T)
A2.52E7
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2692.0,1.00%,F,T)
330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

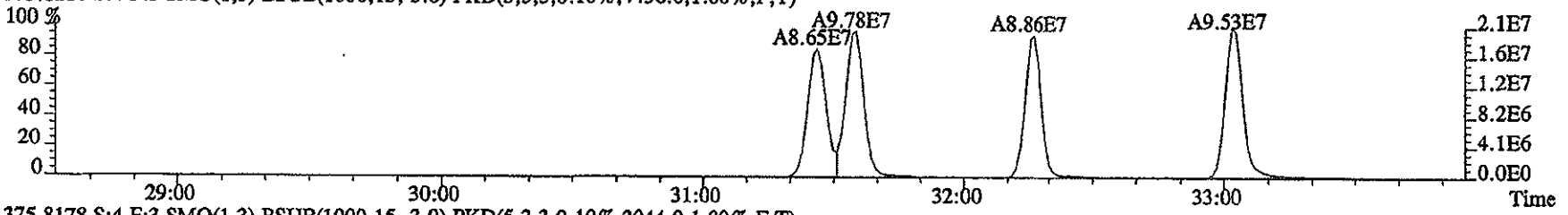


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

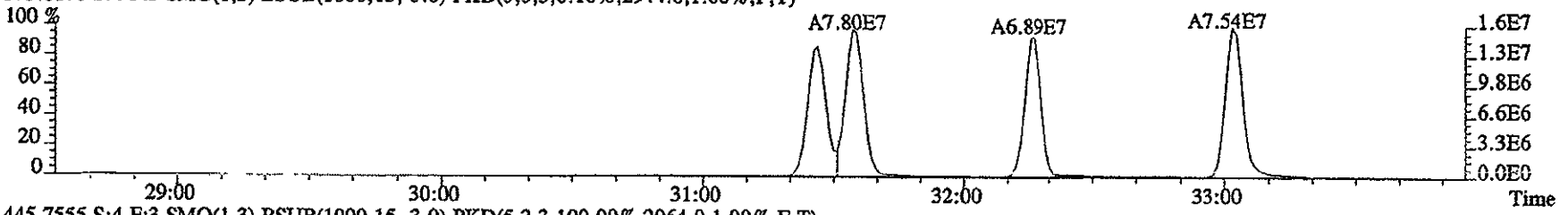
392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



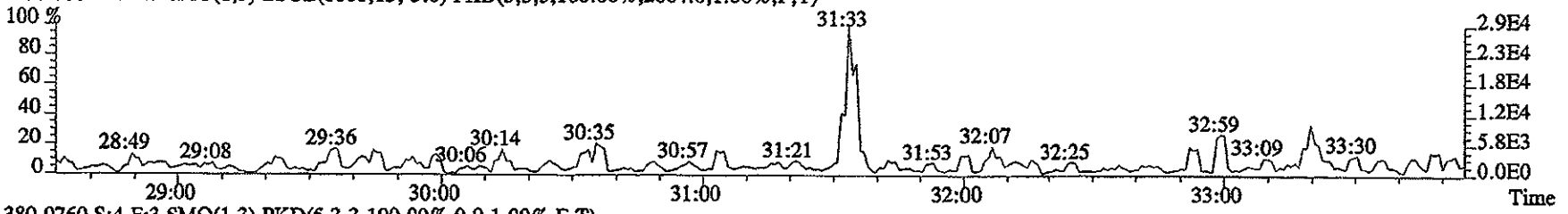
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



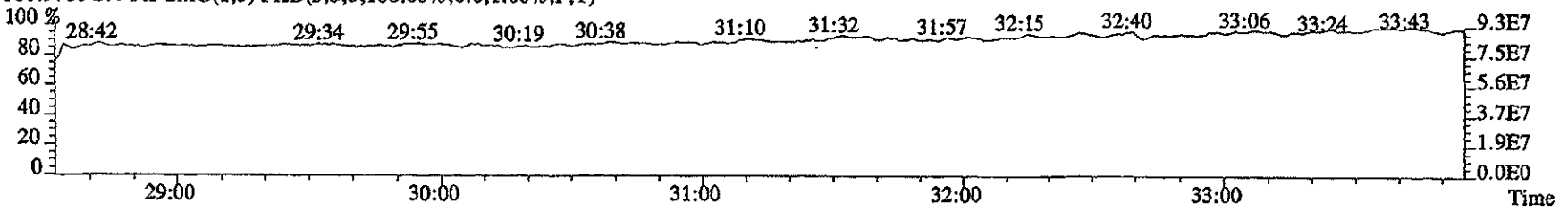
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)

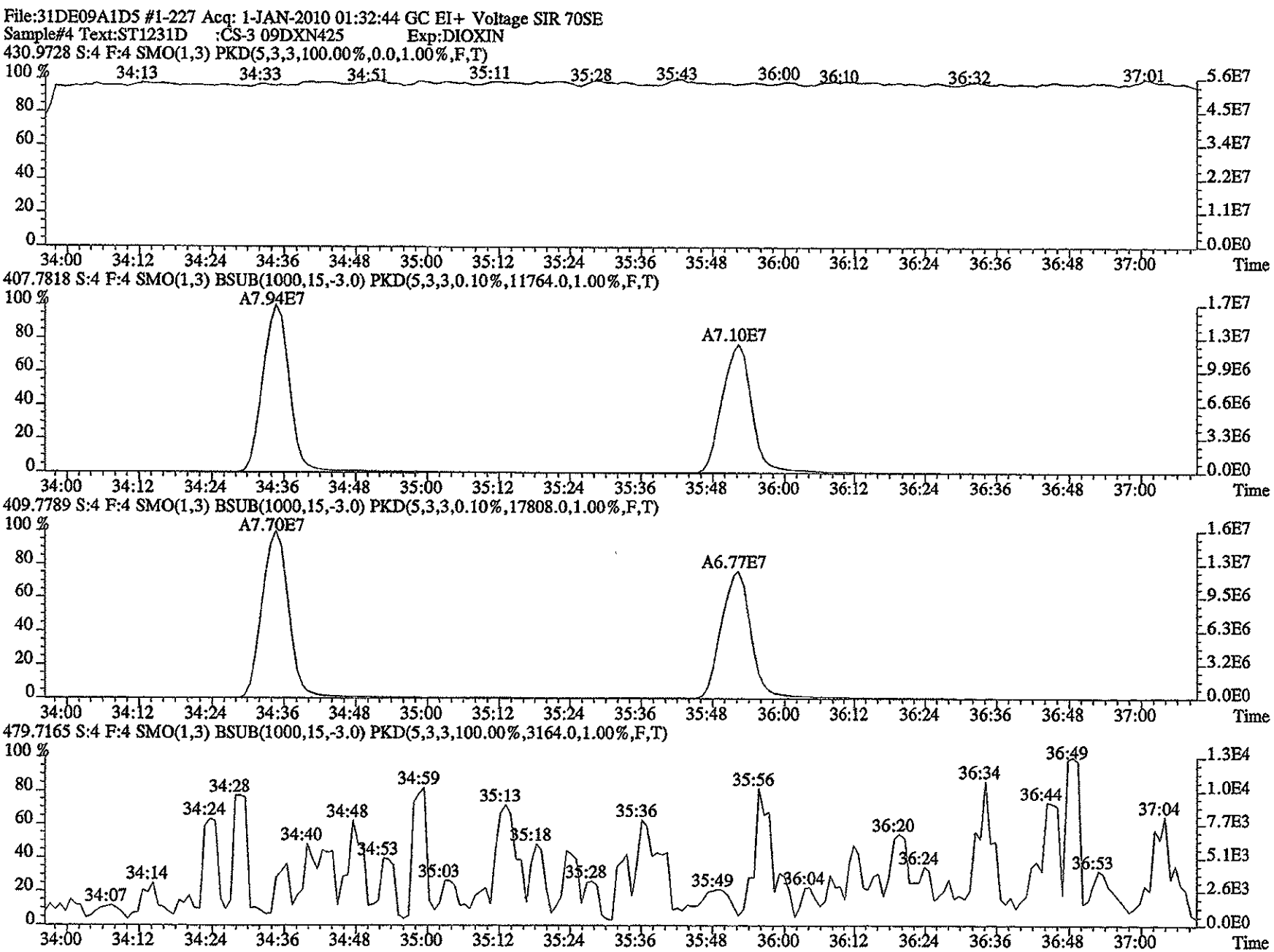


445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2064.0,1.00%,F,T)

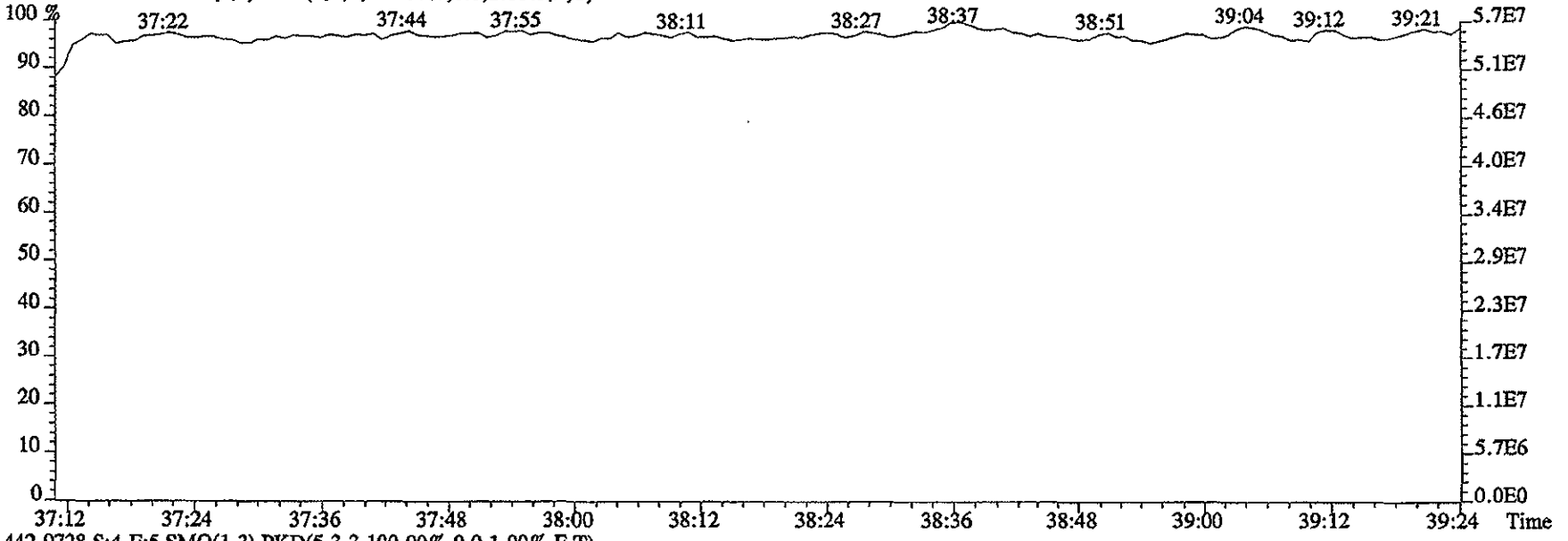


380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

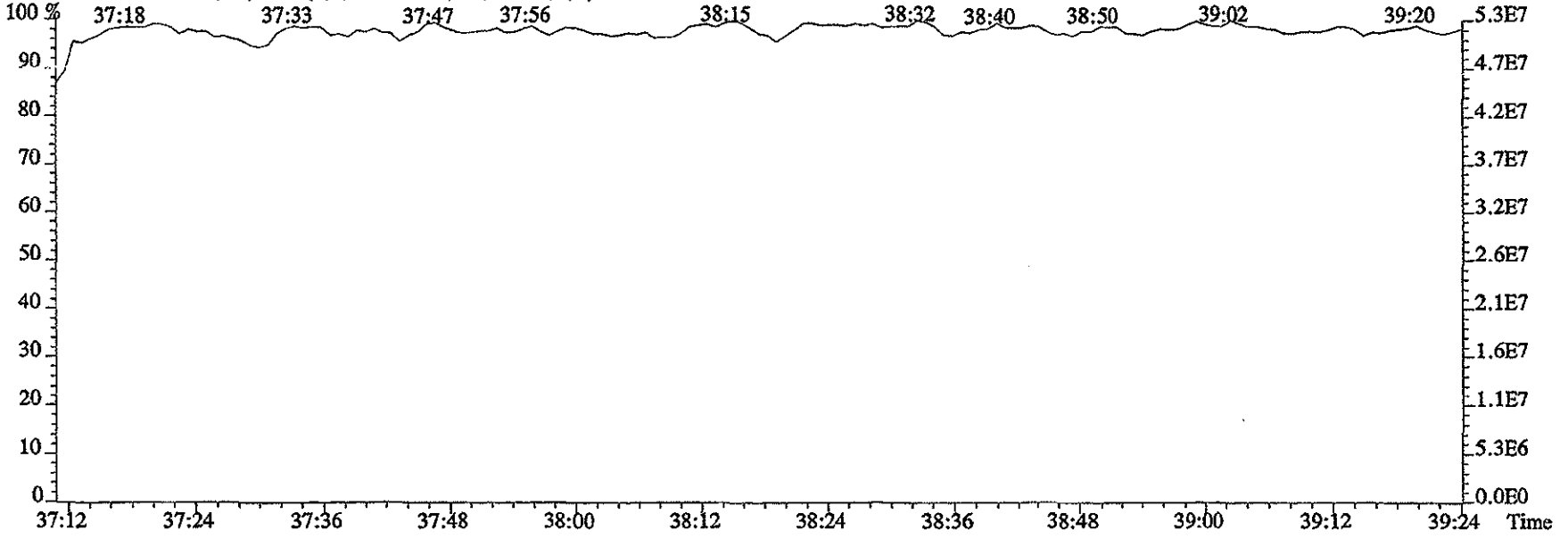



File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11764.0,1.00%,F,T)
A7.94E7
A7.10E7
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17808.0,1.00%,F,T)
A7.70E7
A6.77E7
479.7165 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3164.0,1.00%,F,T)
Time

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

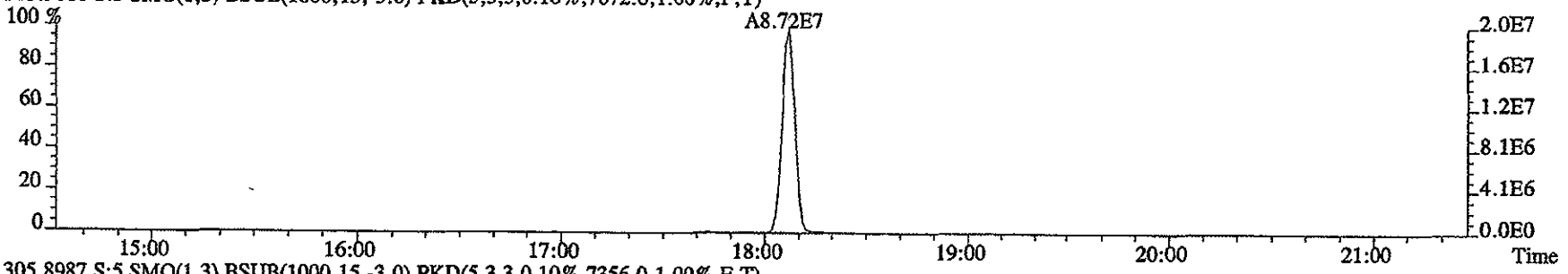


442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

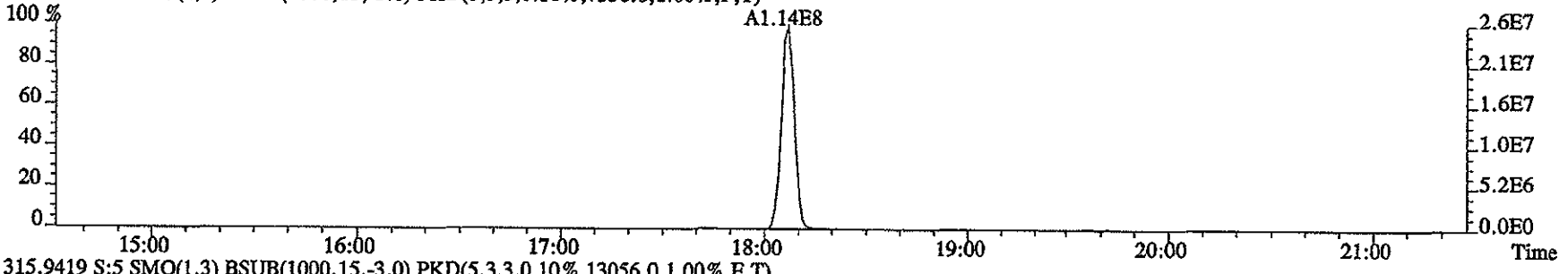


File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

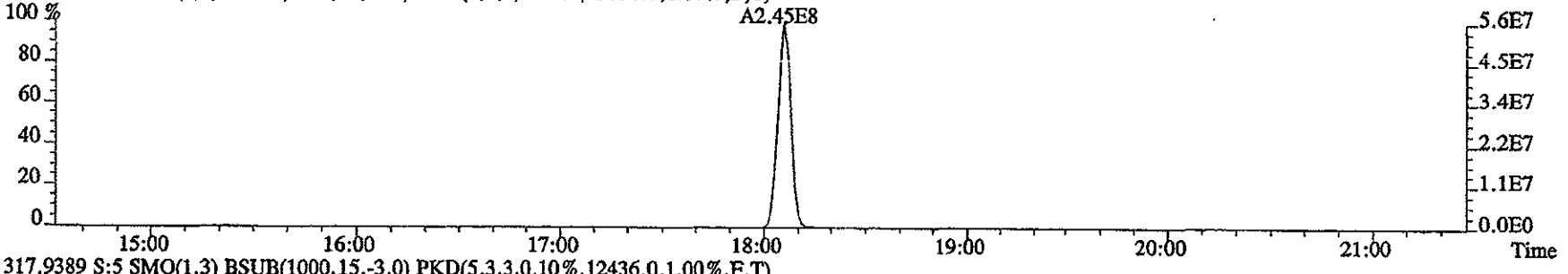
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7872.0,1.00%,F,T)



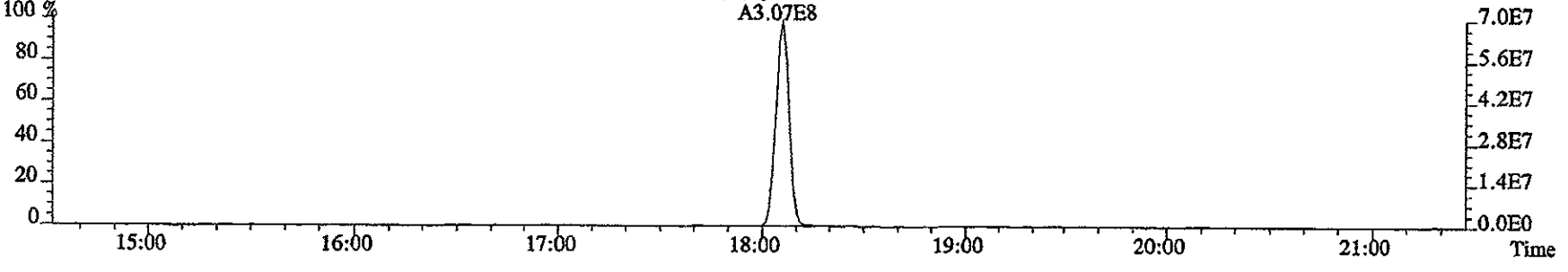
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7356.0,1.00%,F,T)



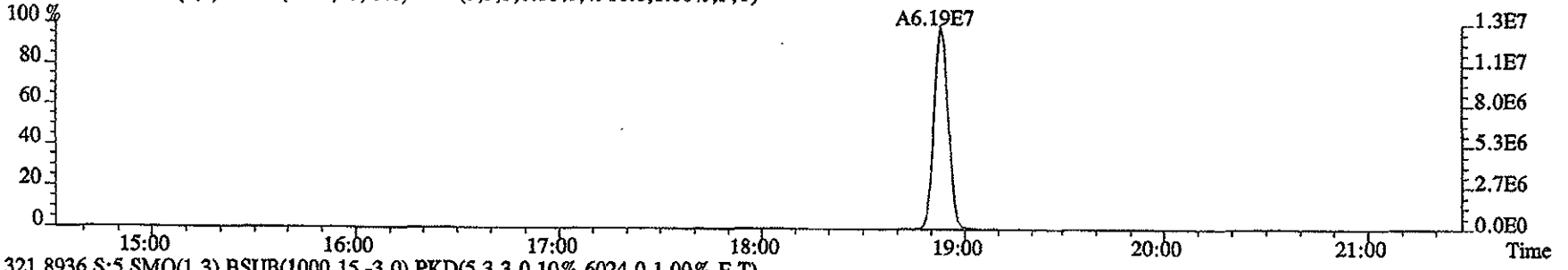
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13056.0,1.00%,F,T)



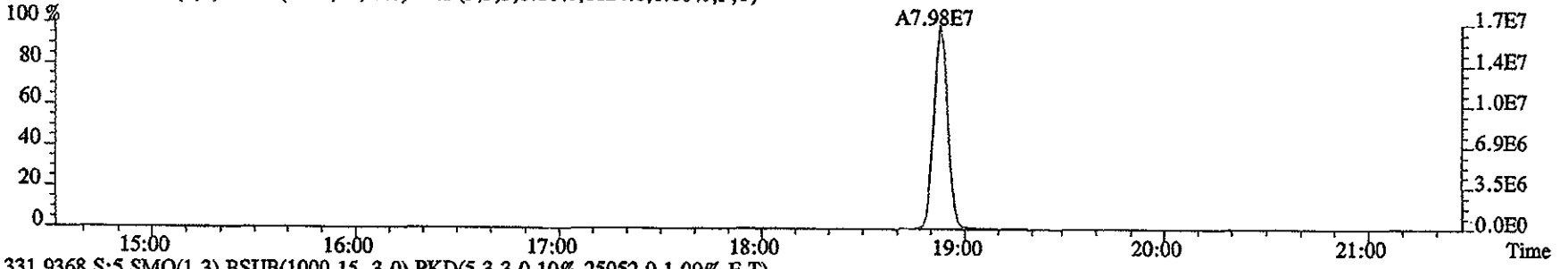
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12436.0,1.00%,F,T)



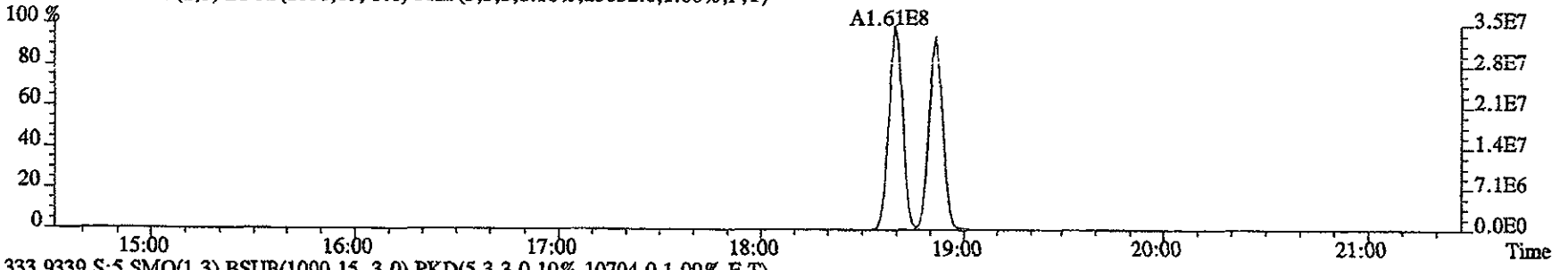
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4916.0,1.00%,F,T)



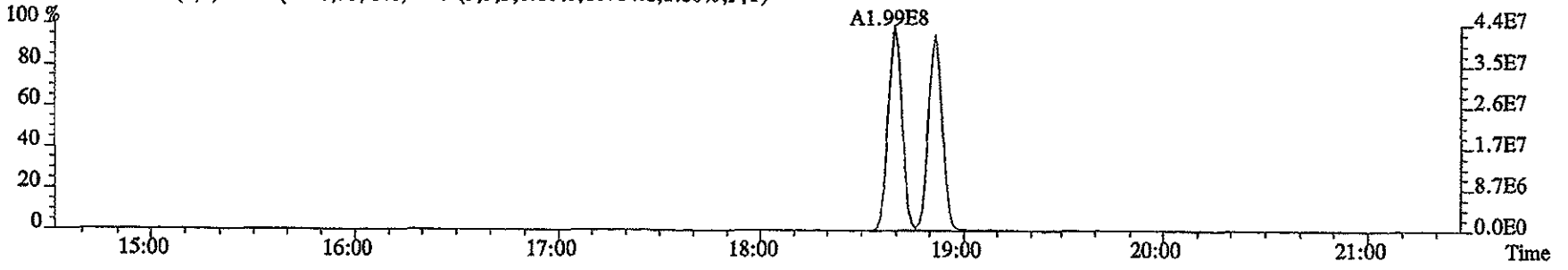
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)



331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)

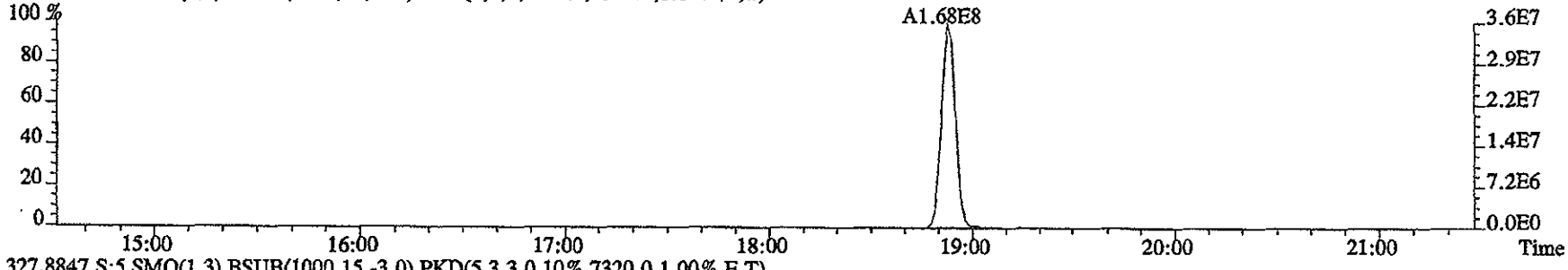


333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)

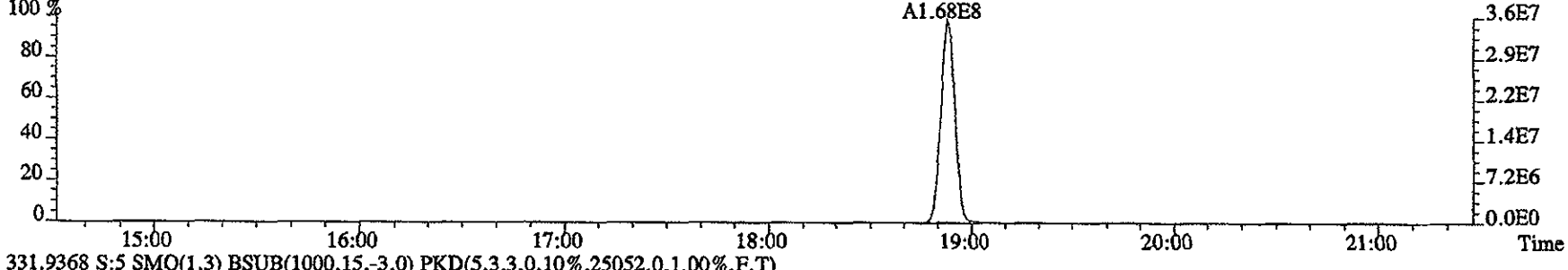


File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

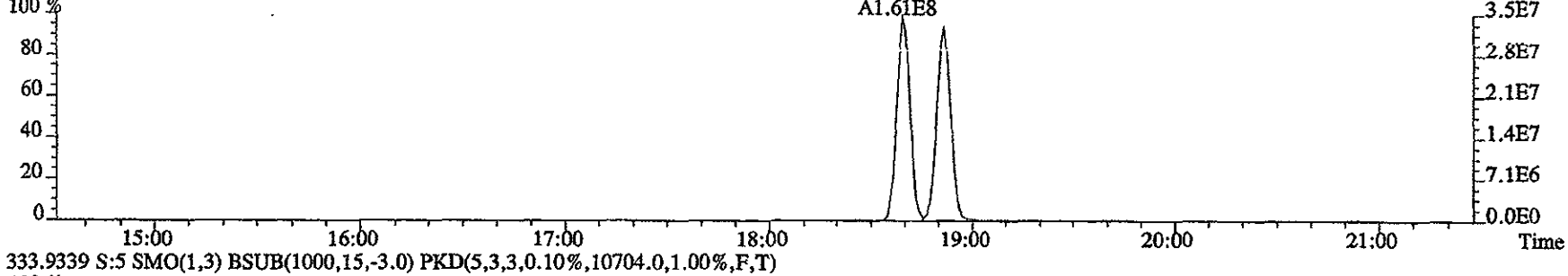
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)



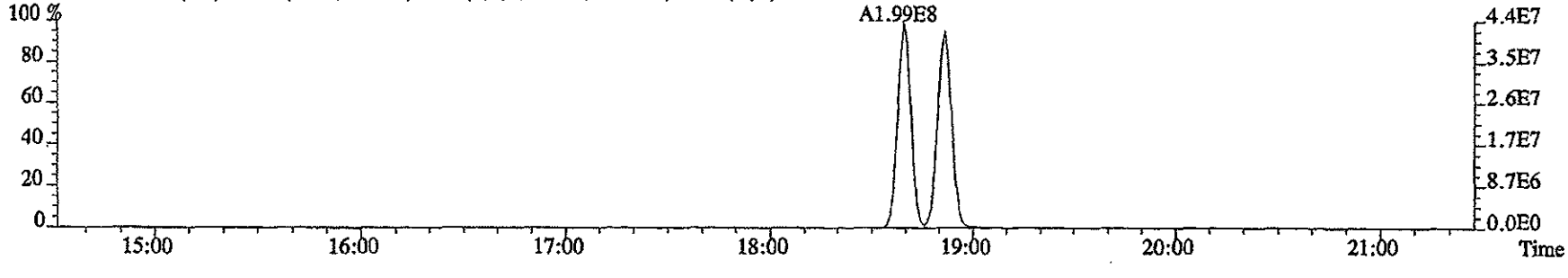
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320.0,1.00%,F,T)



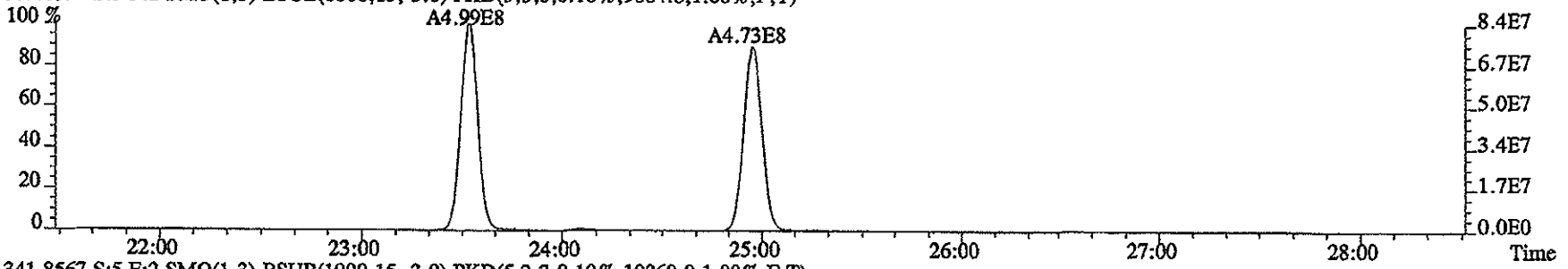
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25052.0,1.00%,F,T)



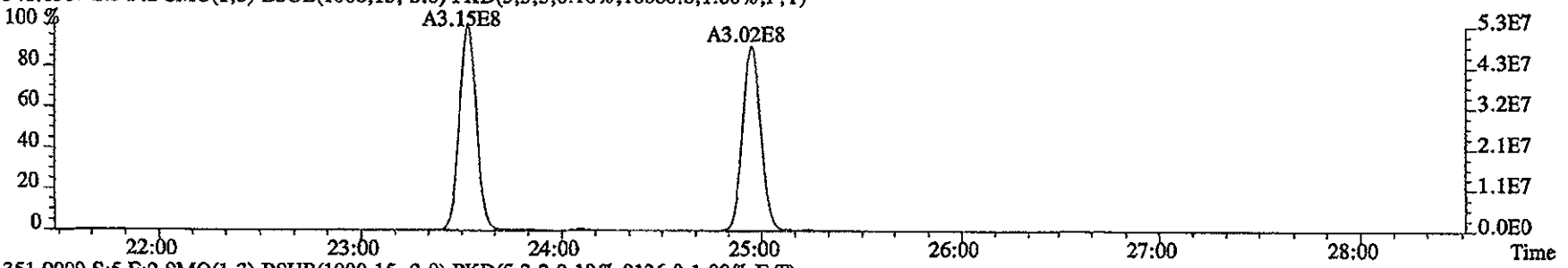
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)



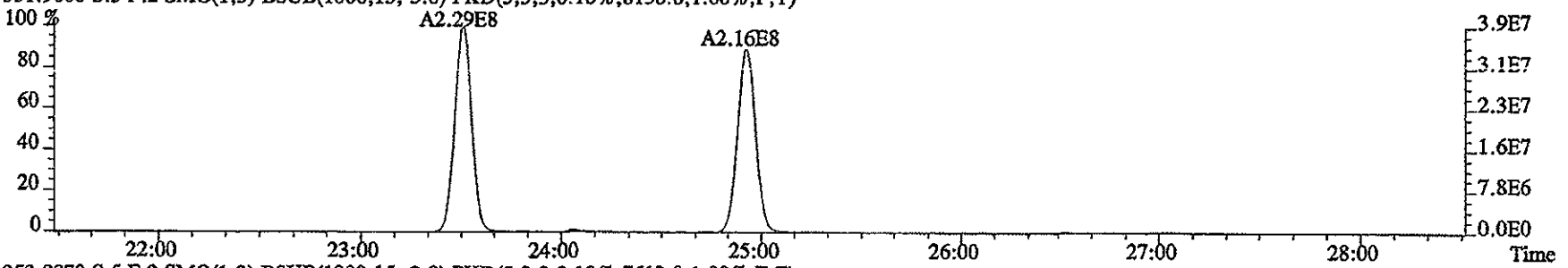
File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9004.0,1.00%,F,T)



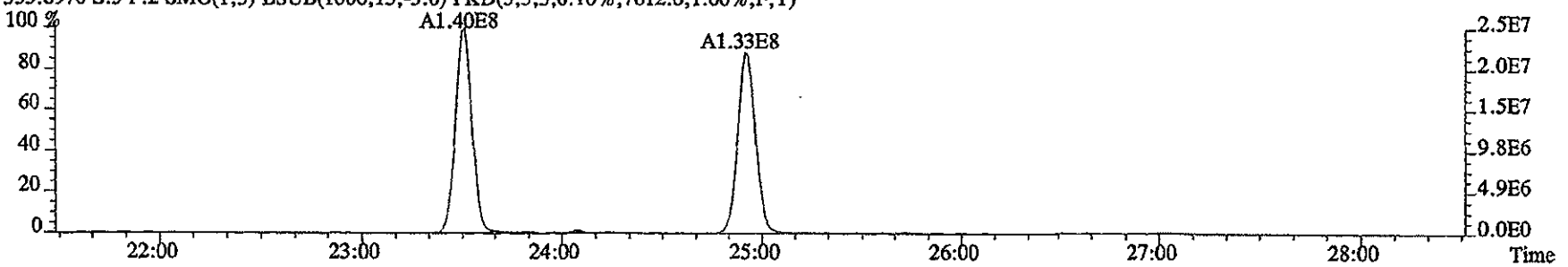
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10060.0,1.00%,F,T)



351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8136.0,1.00%,F,T)

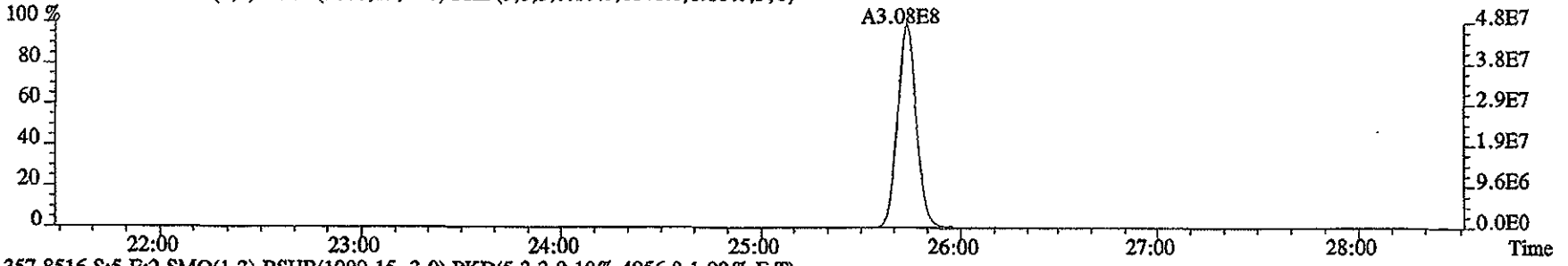


353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7612.0,1.00%,F,T)

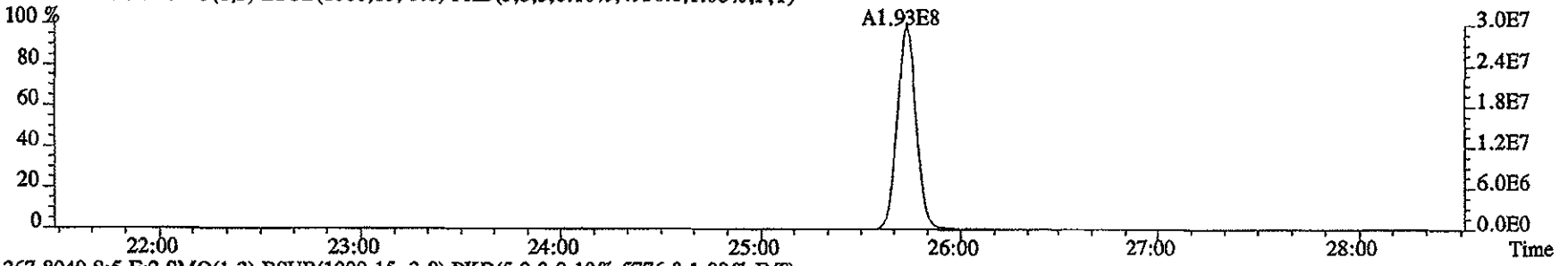


File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

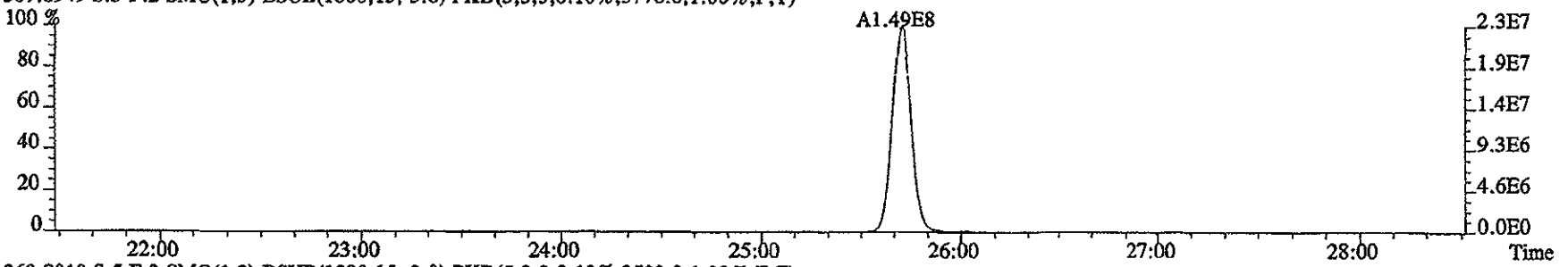
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6848.0,1.00%,F,T)



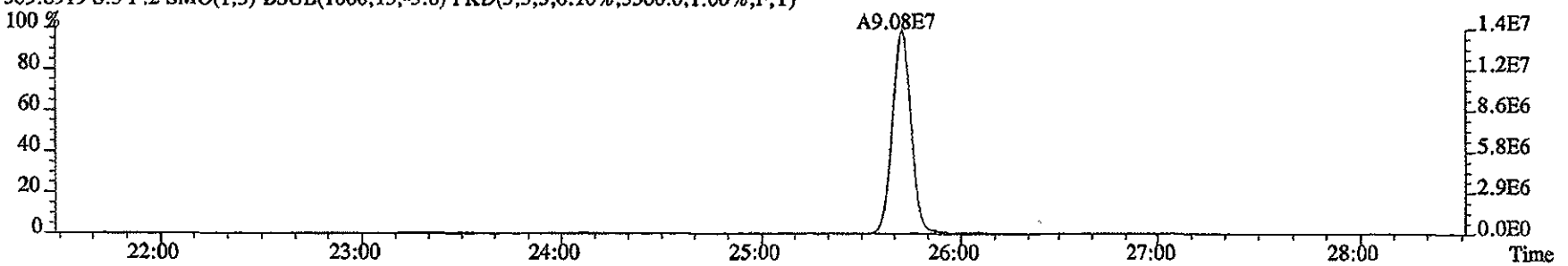
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



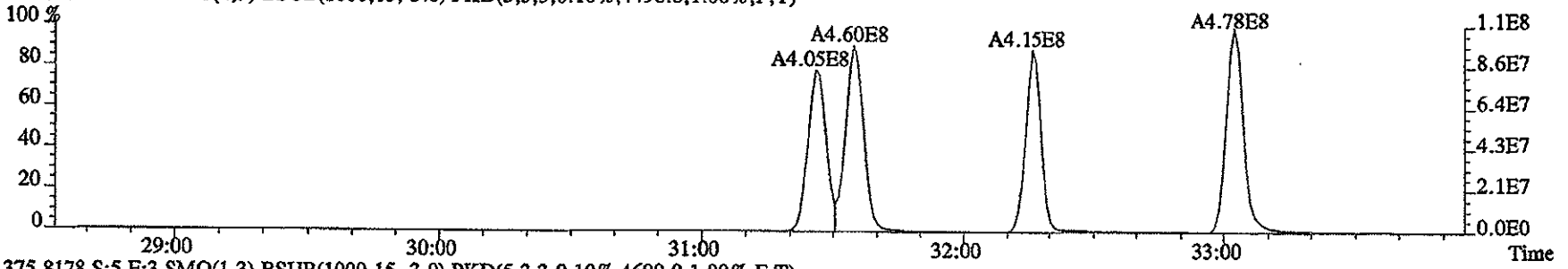
367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5776.0,1.00%,F,T)



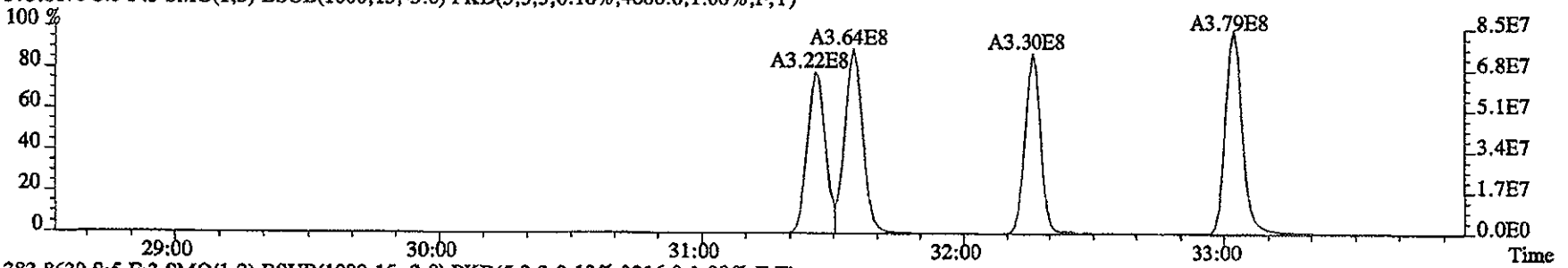
369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3500.0,1.00%,F,T)



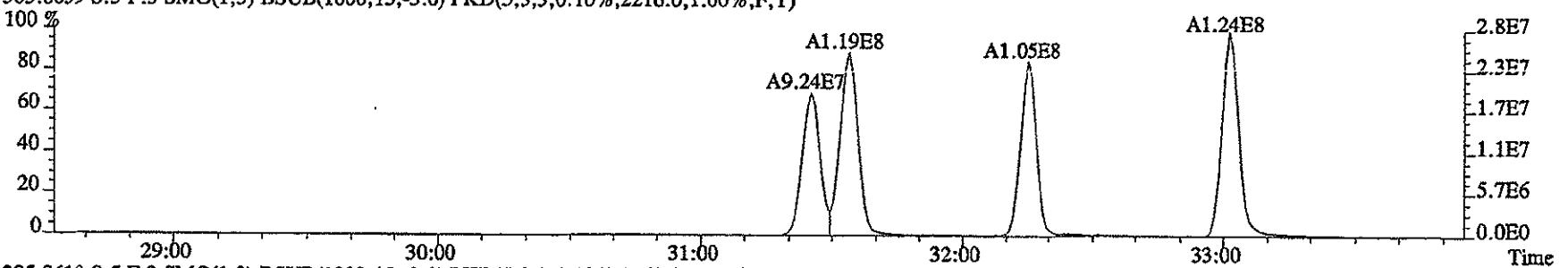
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



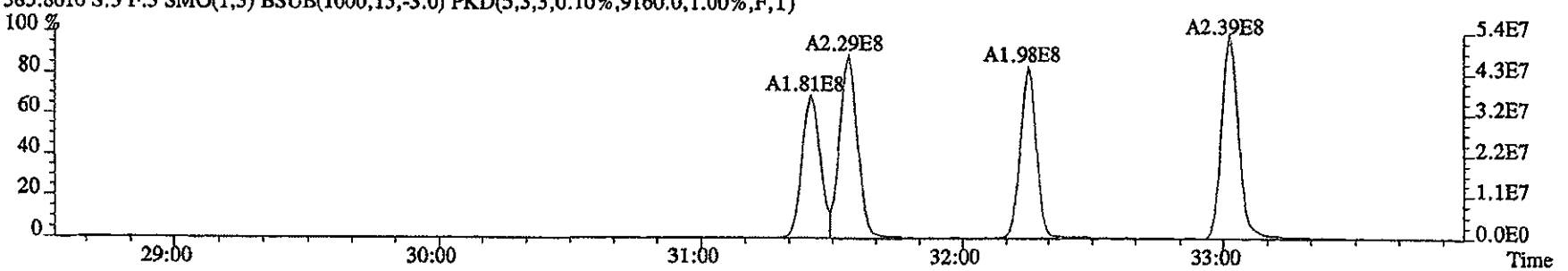
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)



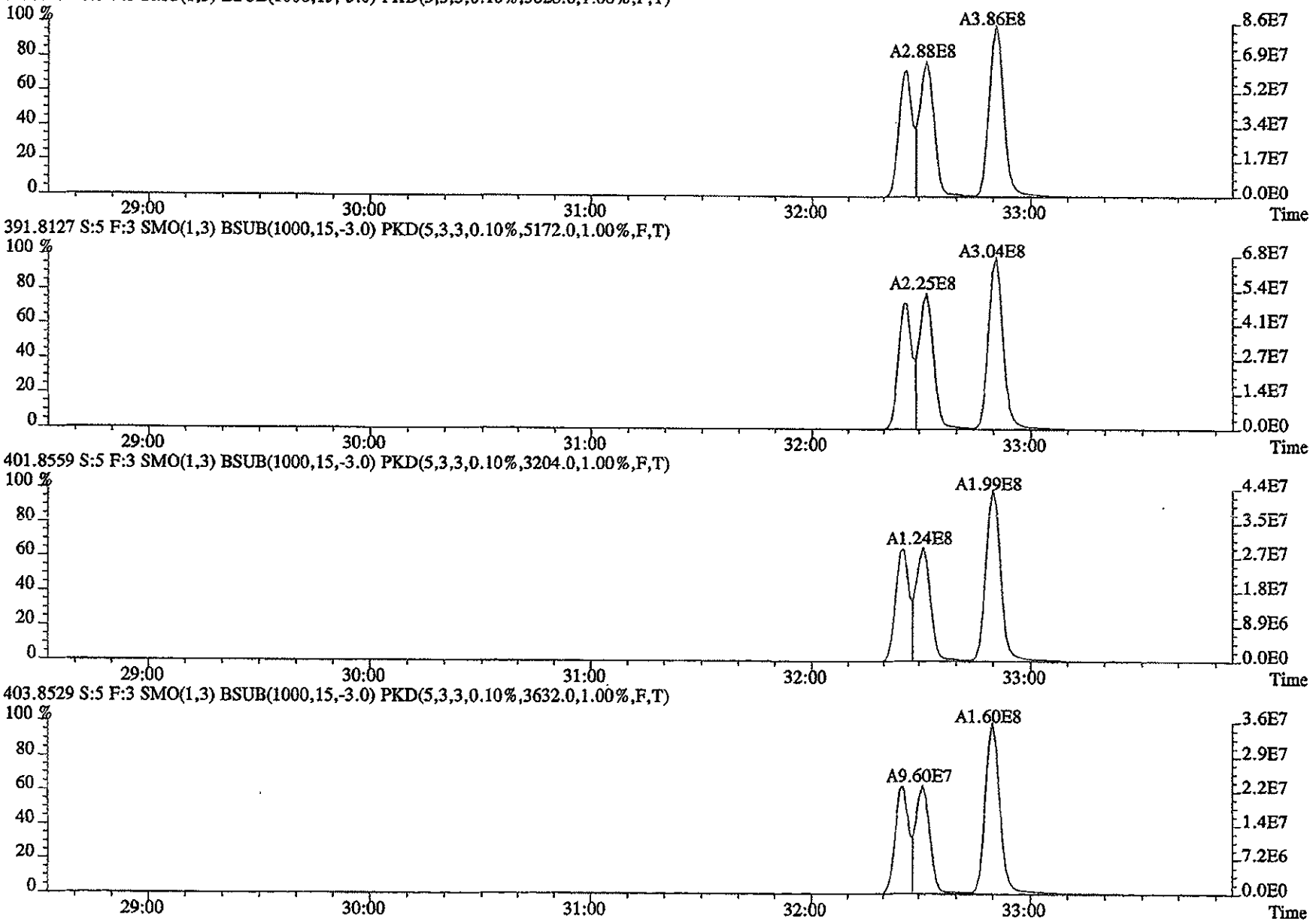
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)

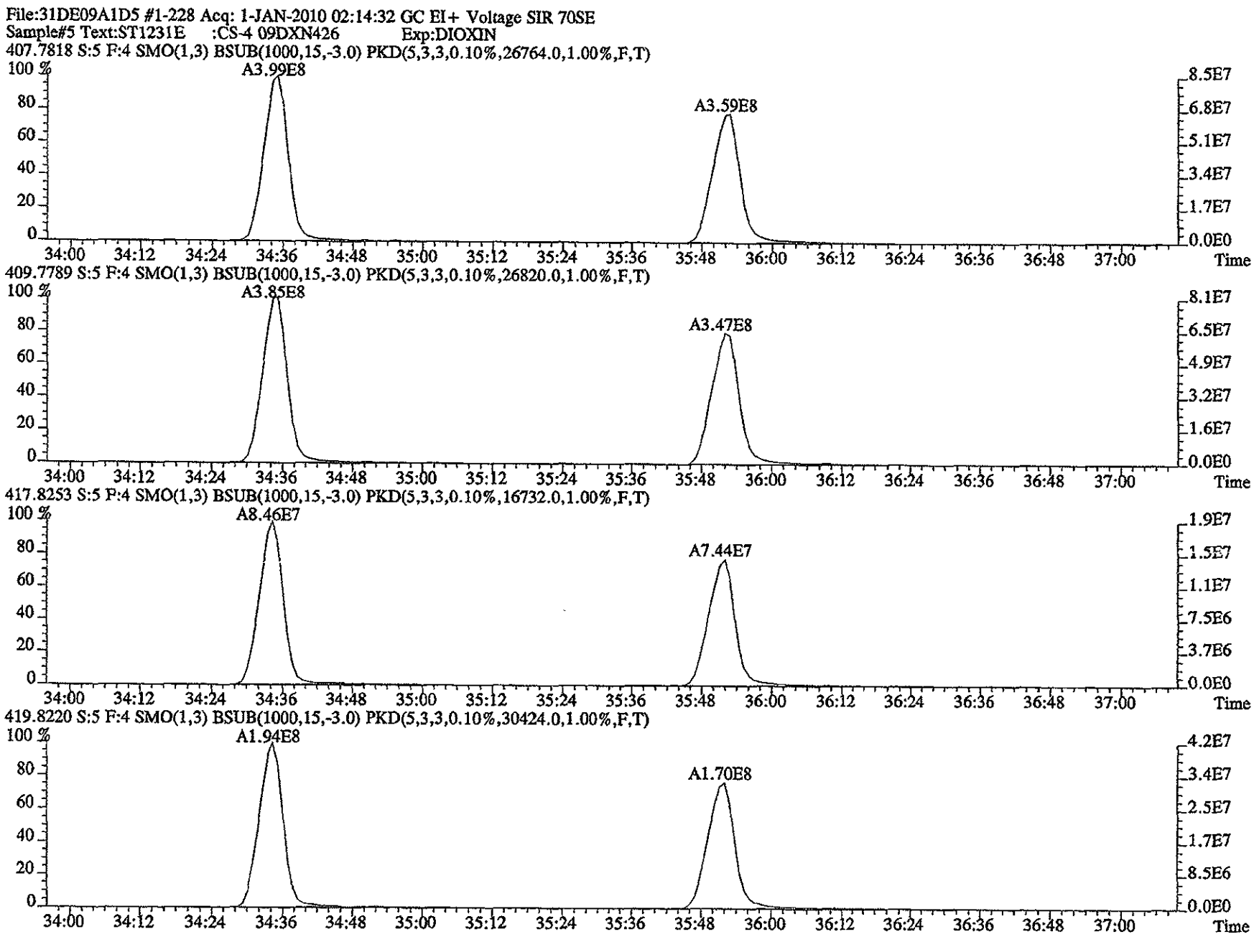


385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9160.0,1.00%,F,T)

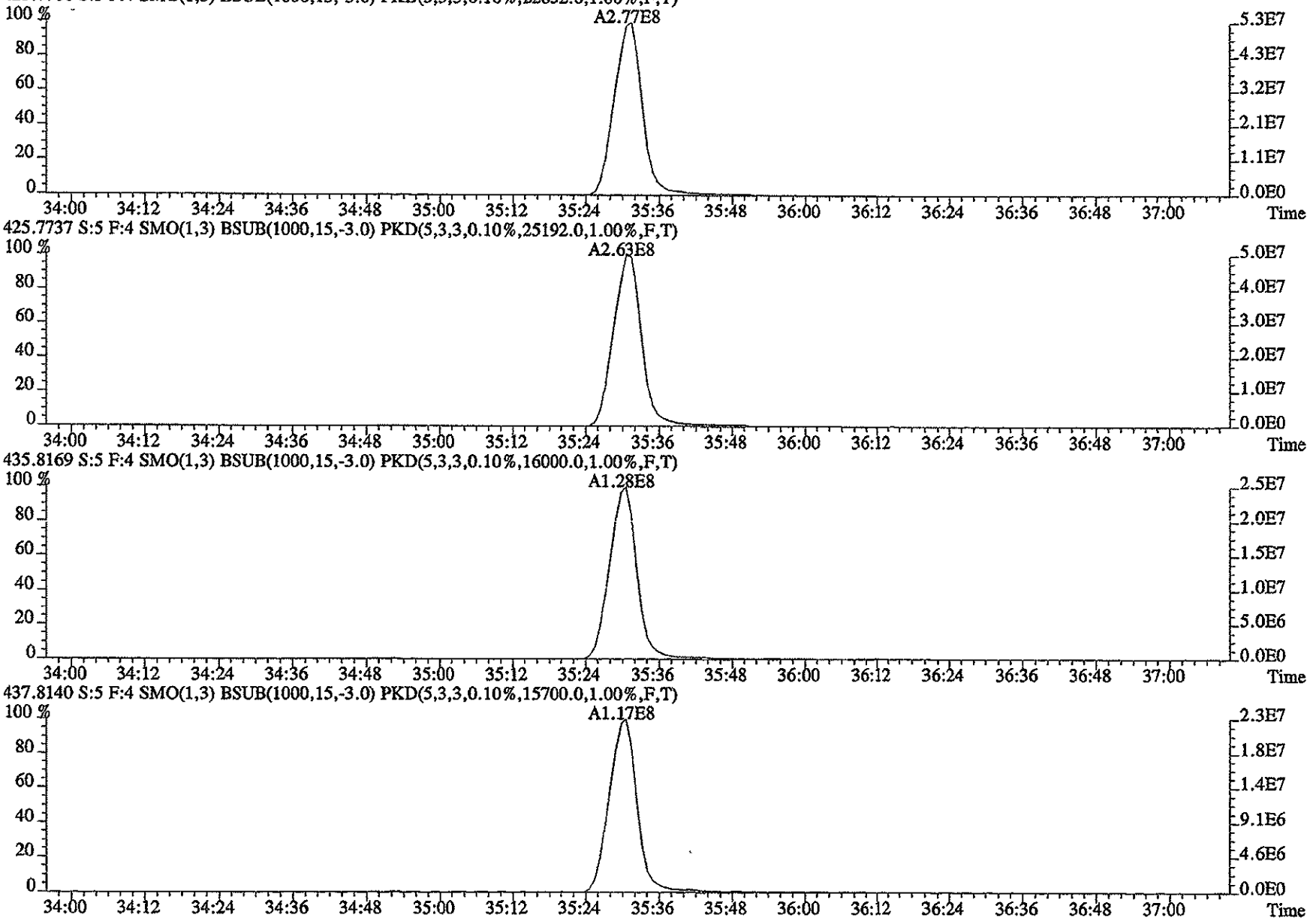


File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN

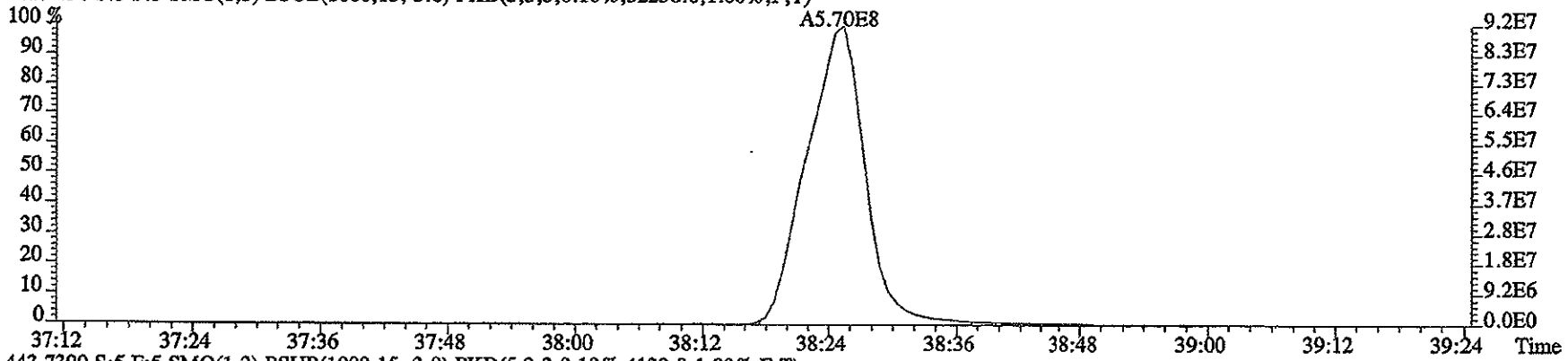



File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26764.0,1.00%,F,T)
A3.99E8
A3.59E8
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26820.0,1.00%,F,T)
A3.85E8
A3.47E8
417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16732.0,1.00%,F,T)
A8.46E7
A7.44E7
419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30424.0,1.00%,F,T)
A1.94E8
A1.70E8
100 %
80
60
40
20
0
34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00
Time
8.5E7 6.8E7 5.1E7 3.4E7 1.7E7 0.0E0
8.1E7 6.5E7 4.9E7 3.2E7 1.6E7 0.0E0
1.9E7 1.5E7 1.1E7 7.5E6 3.7E6 0.0E0
4.2E7 3.4E7 2.5E7 1.7E7 8.5E6 0.0E0

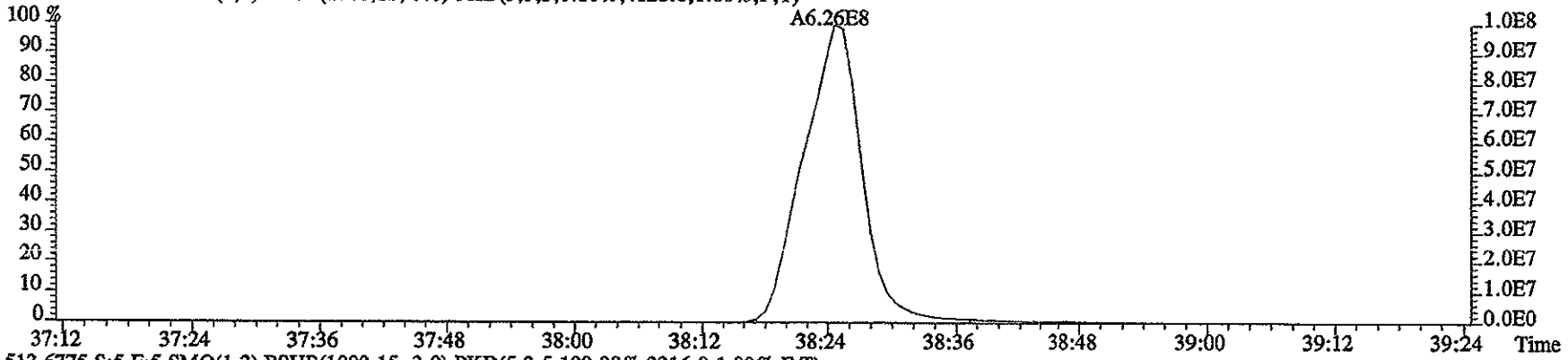
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN



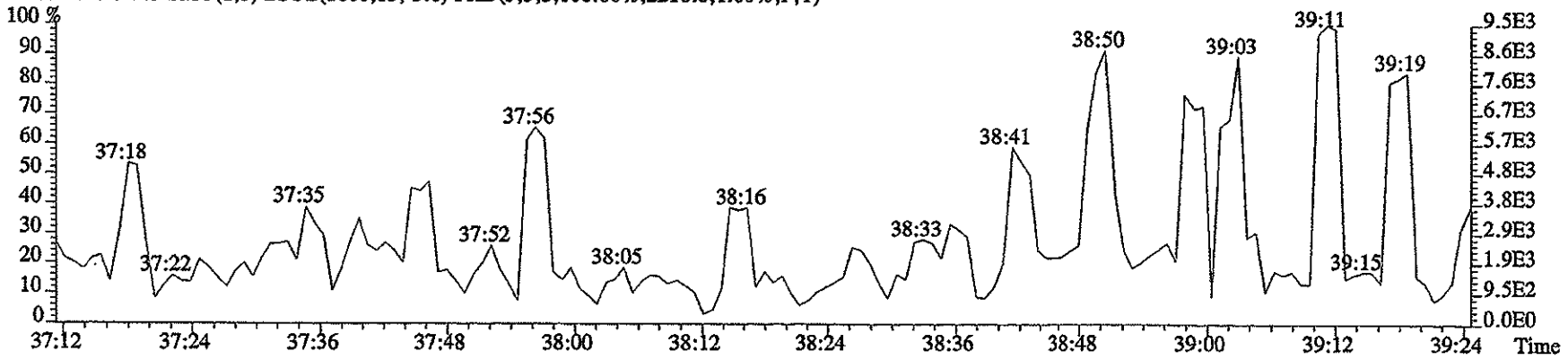
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32256.0,1.00%,F,T)



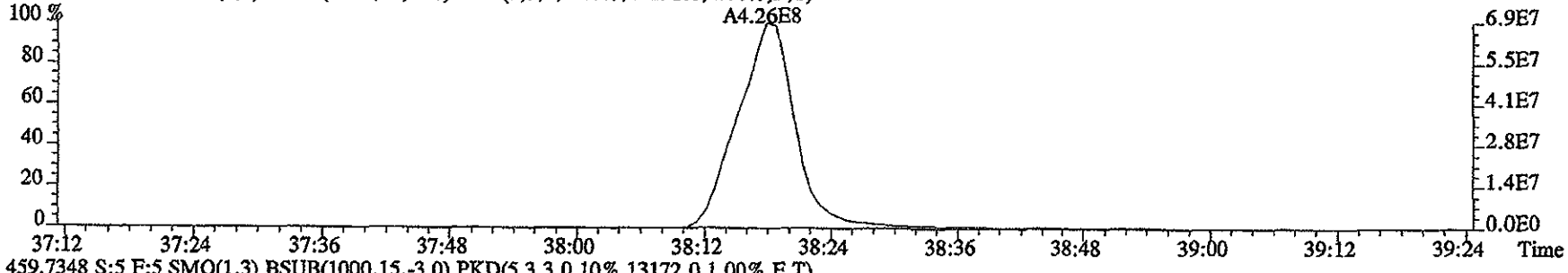
443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4128.0,1.00%,F,T)



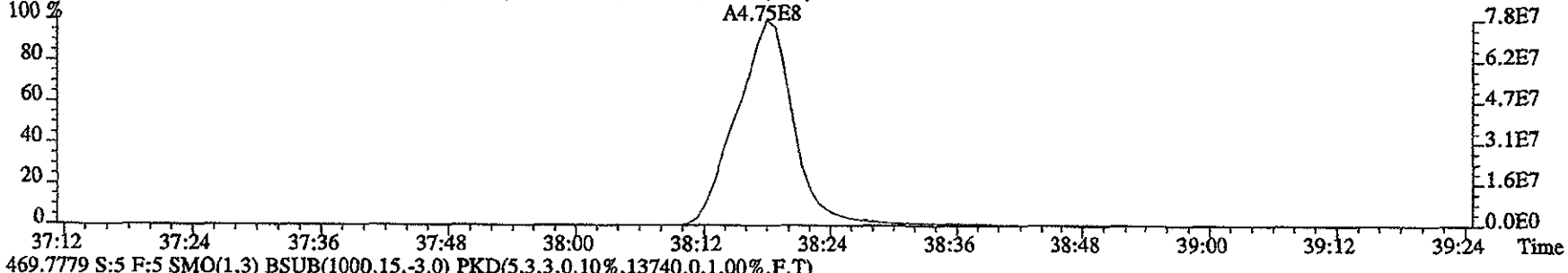
513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2216.0,1.00%,F,T)



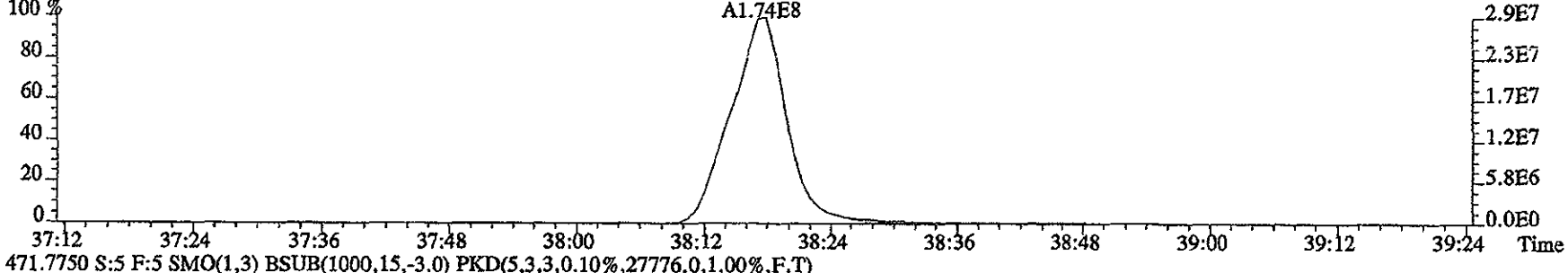
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17292.0,1.00%,F,T)



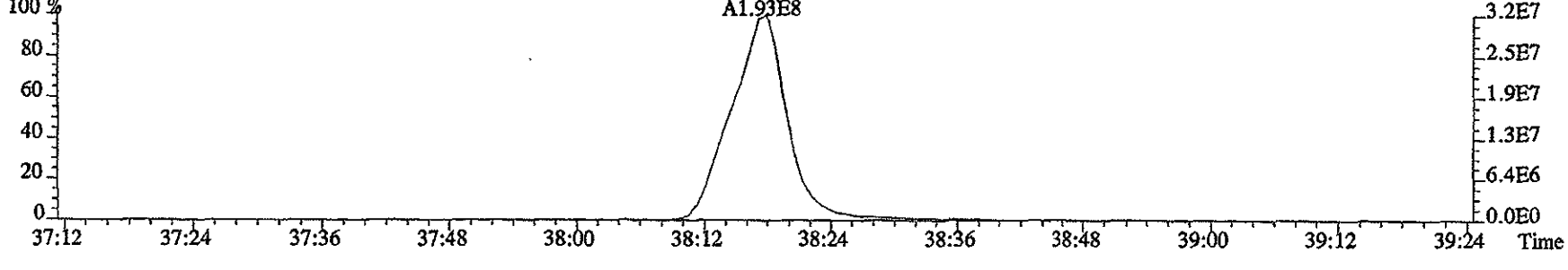
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13172.0,1.00%,F,T)



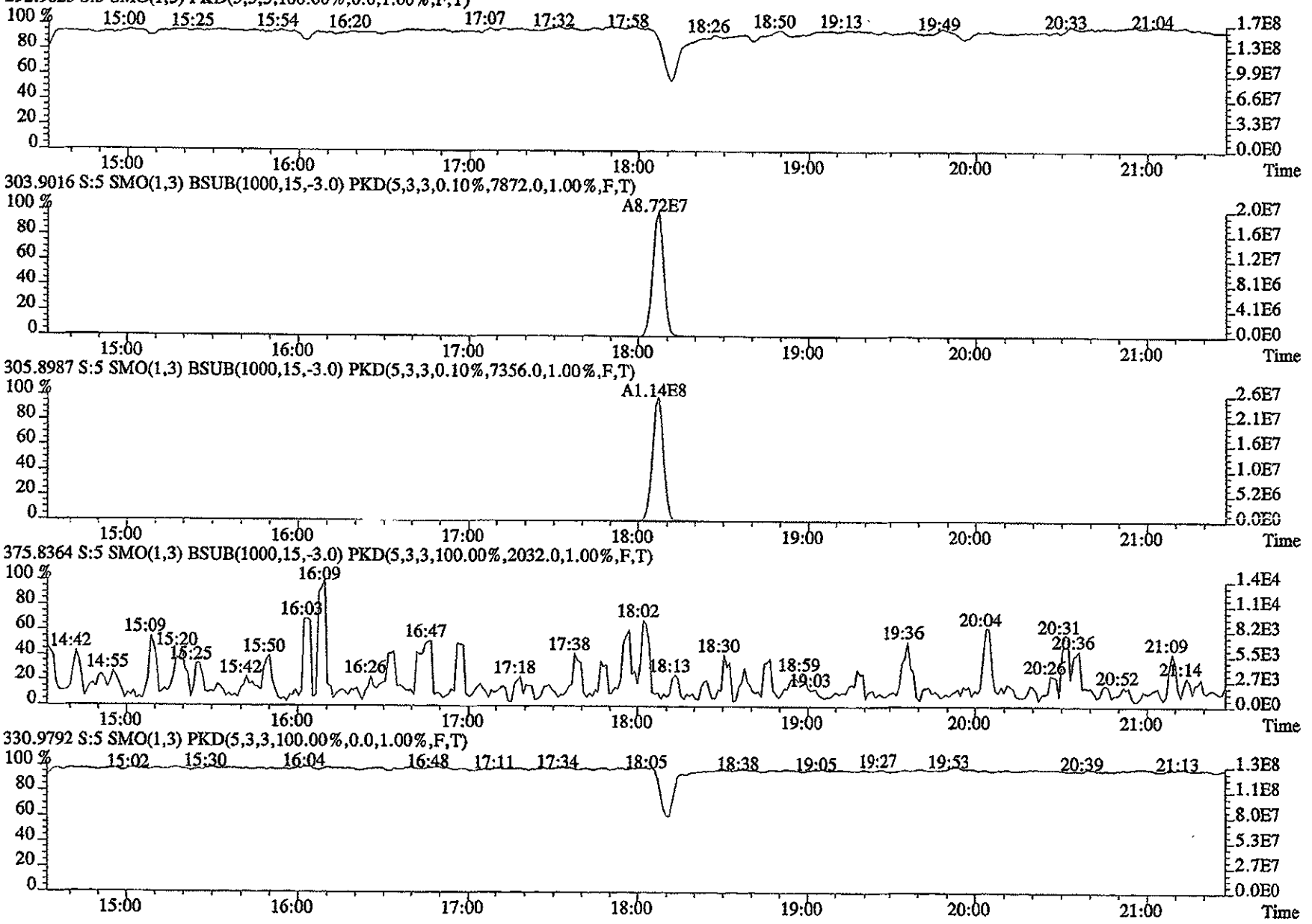
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13740.0,1.00%,F,T)

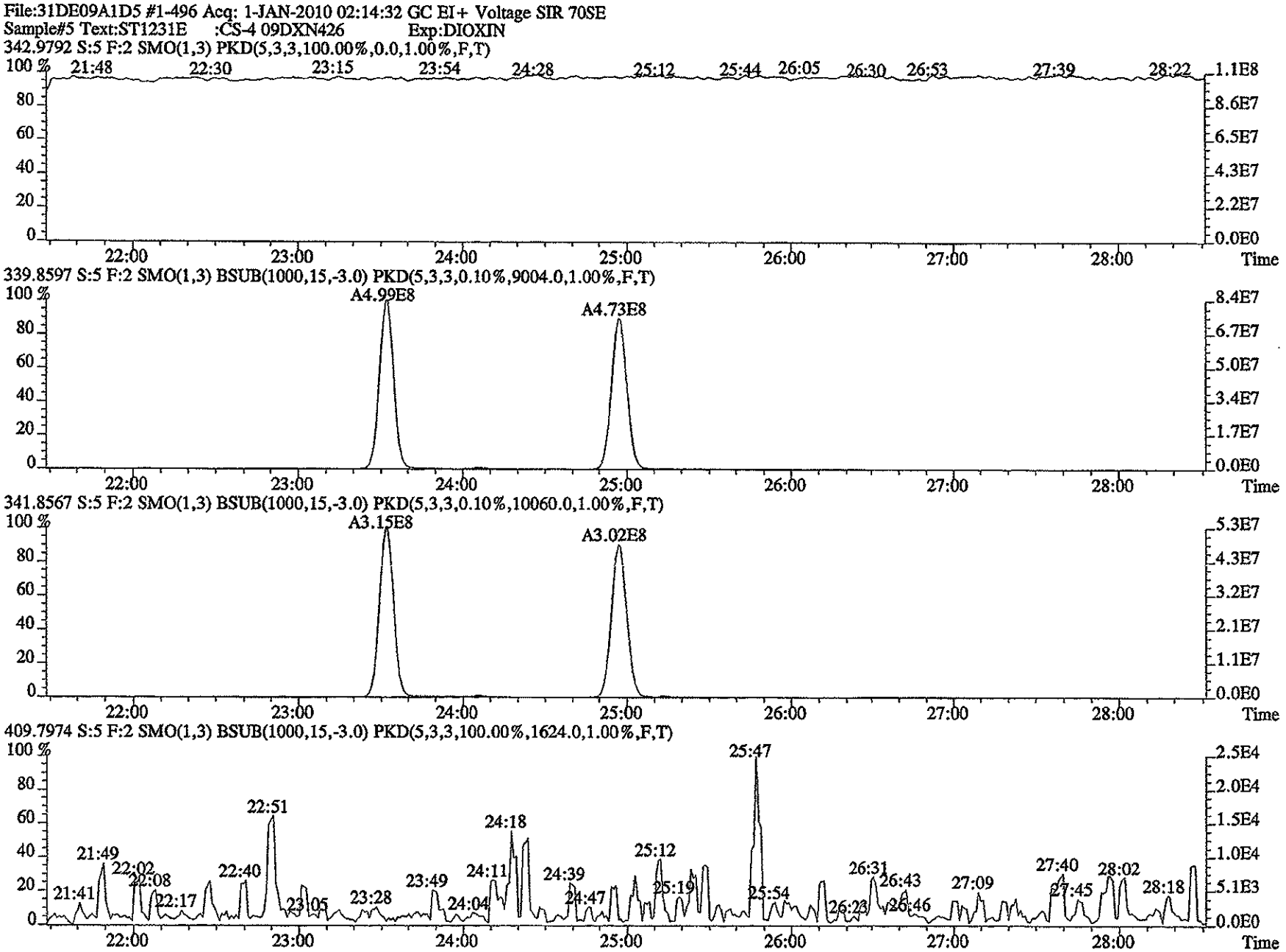


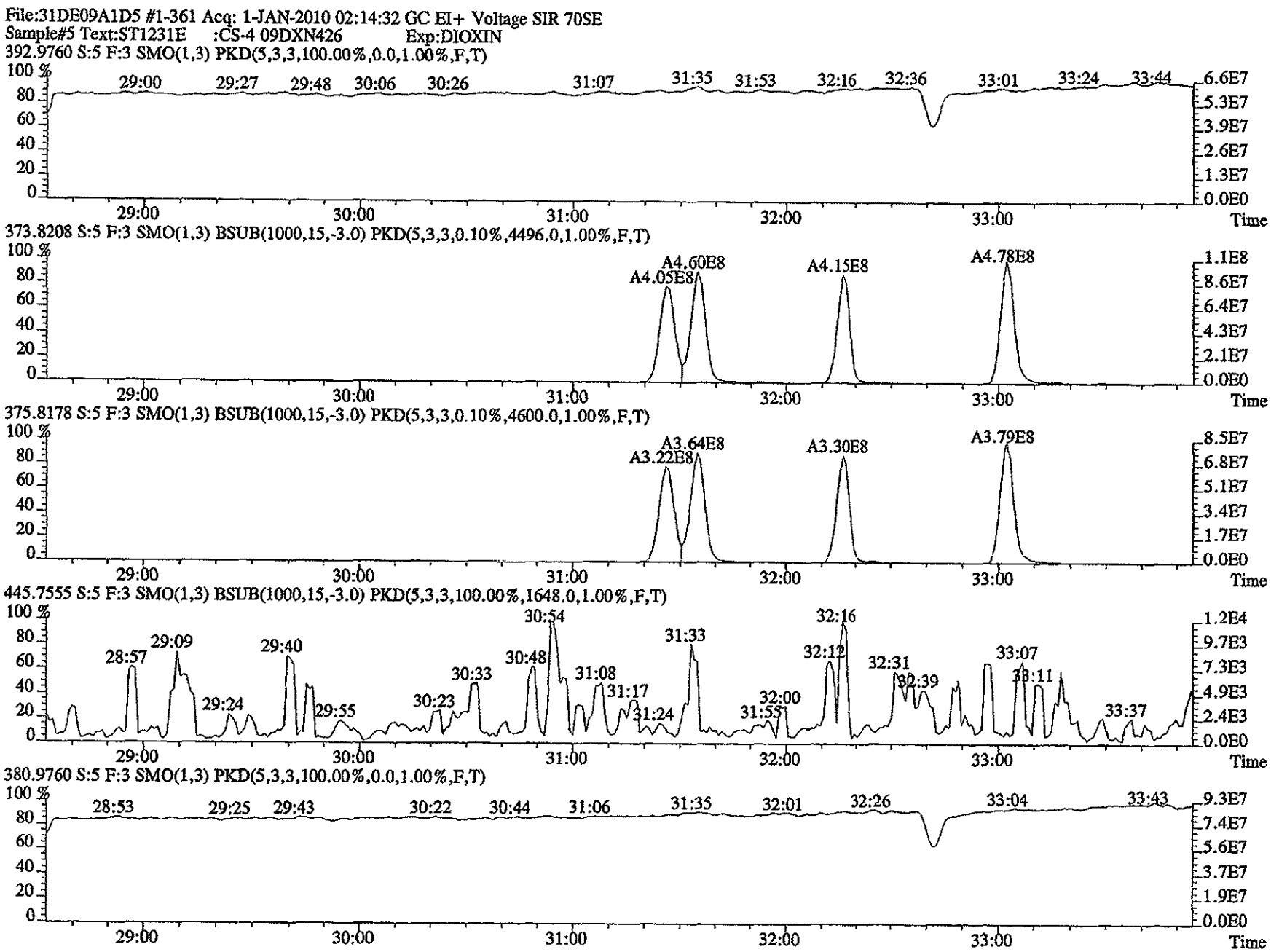
471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27776.0,1.00%,F,T)



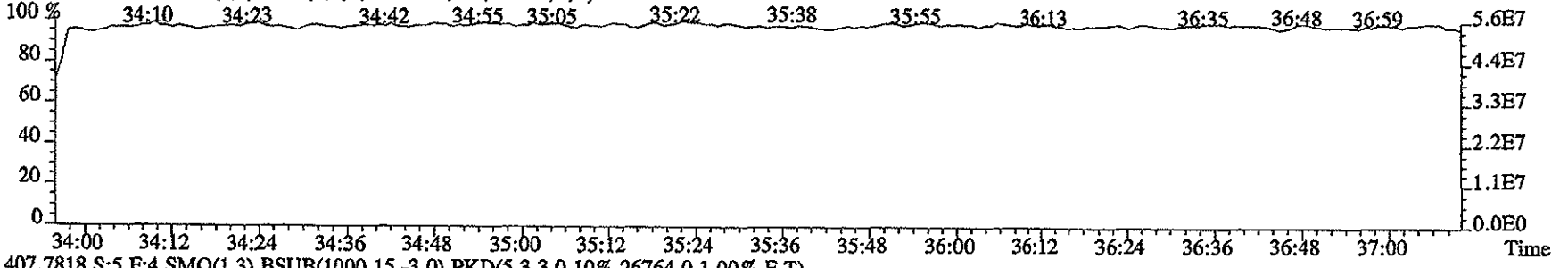
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN



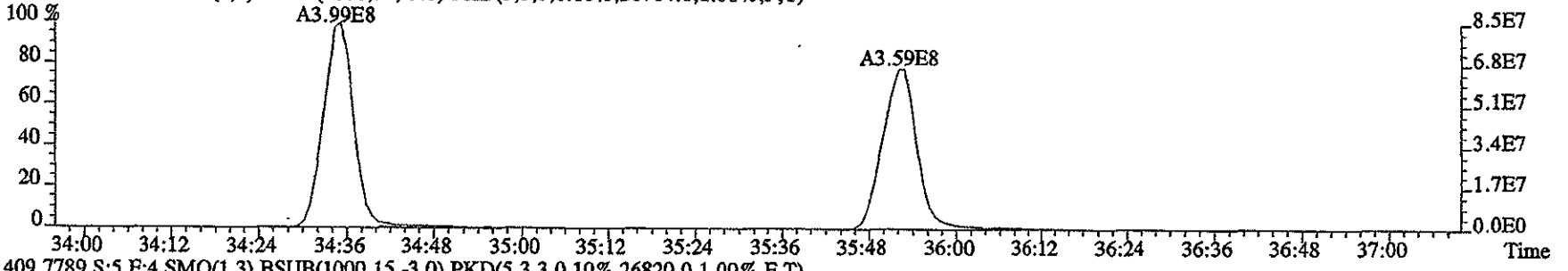

File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9004.0,1.00%,F,T)
A4.99E8
A4.73E8
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10060.0,1.00%,F,T)
A3.15E8
A3.02E8
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1624.0,1.00%,F,T)
Time



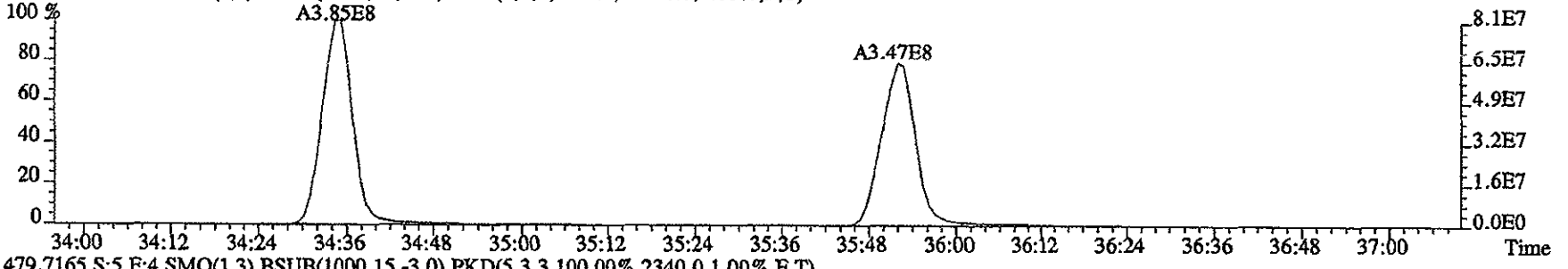
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



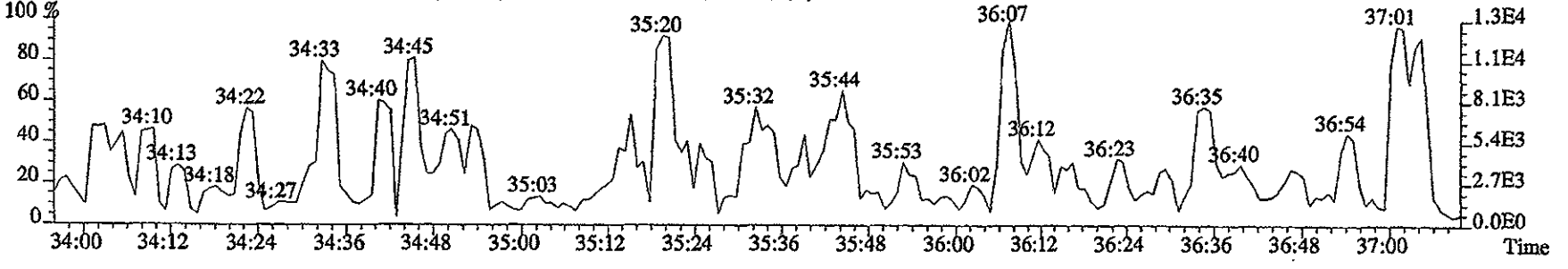
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26764.0,1.00%,F,T)



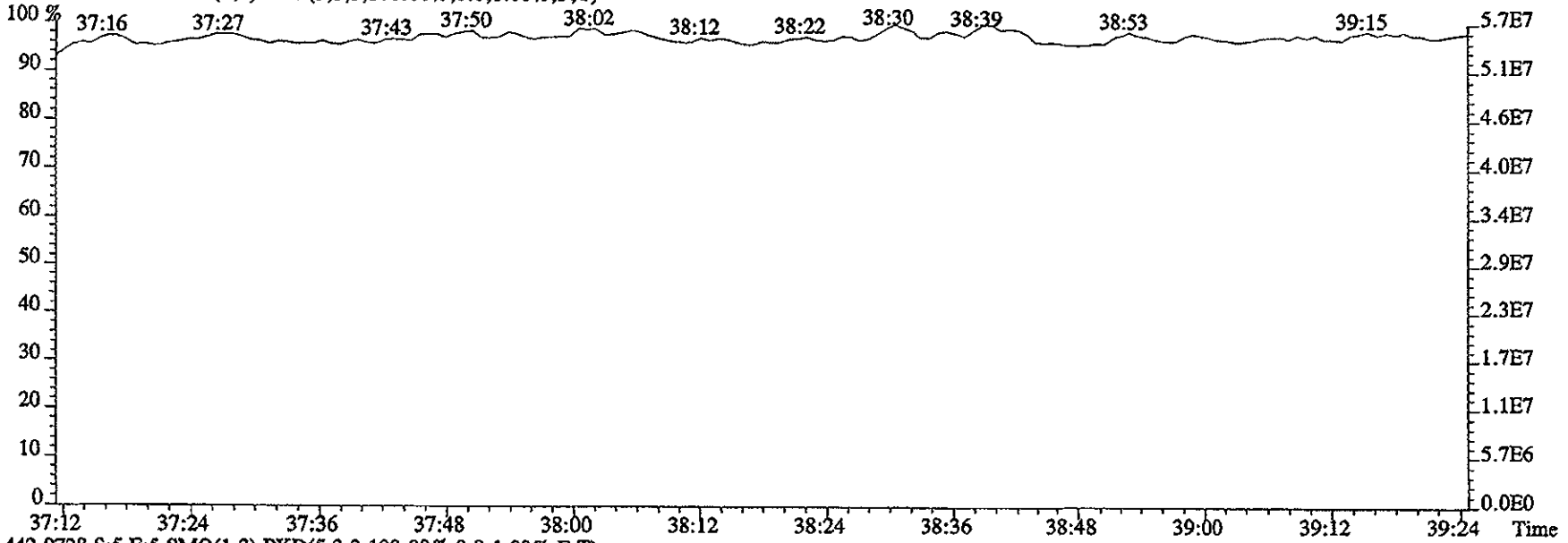
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26820.0,1.00%,F,T)



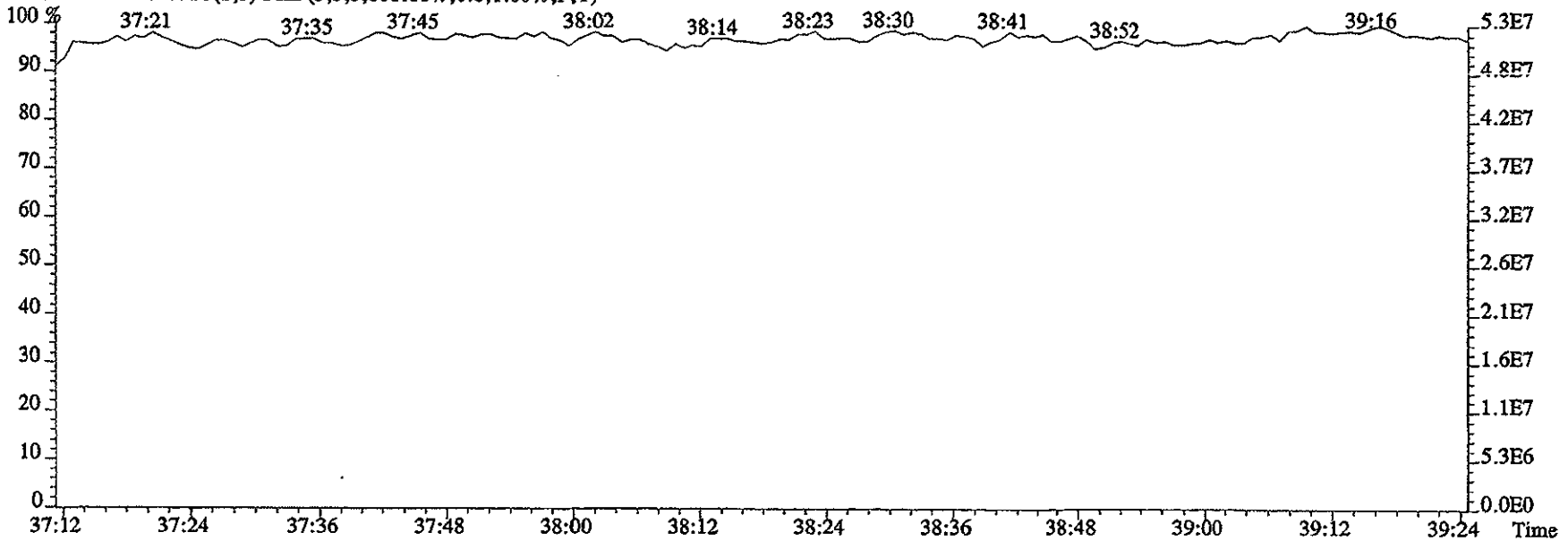
479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2340.0,1.00%,F,T)



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

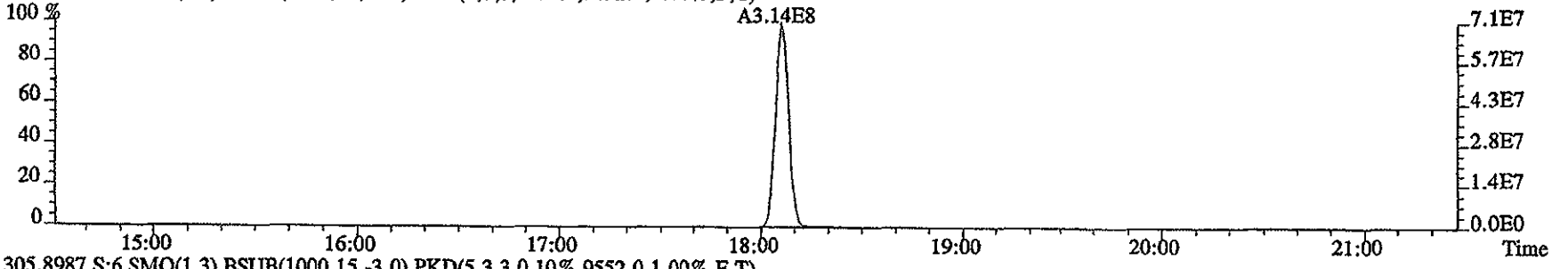


442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

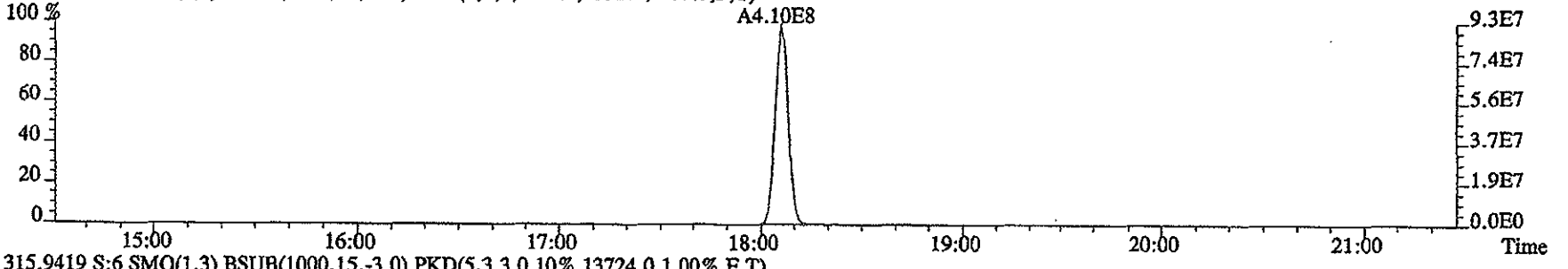


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

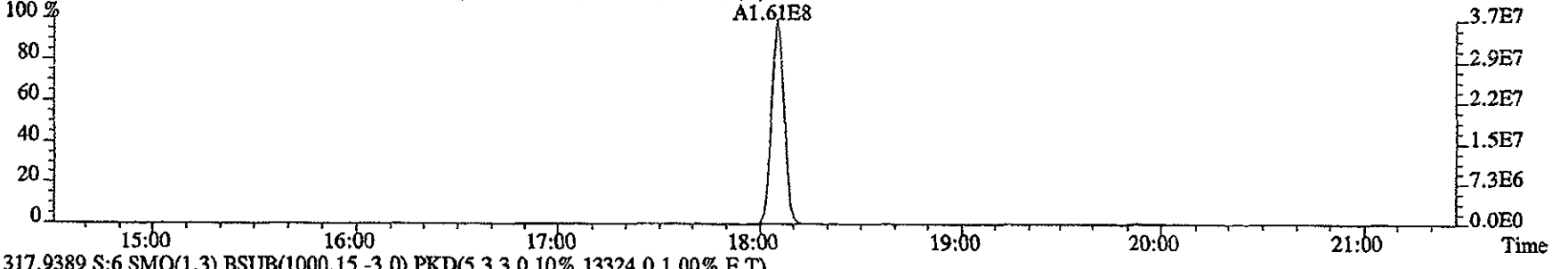
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9492.0,1.00%,F,T)



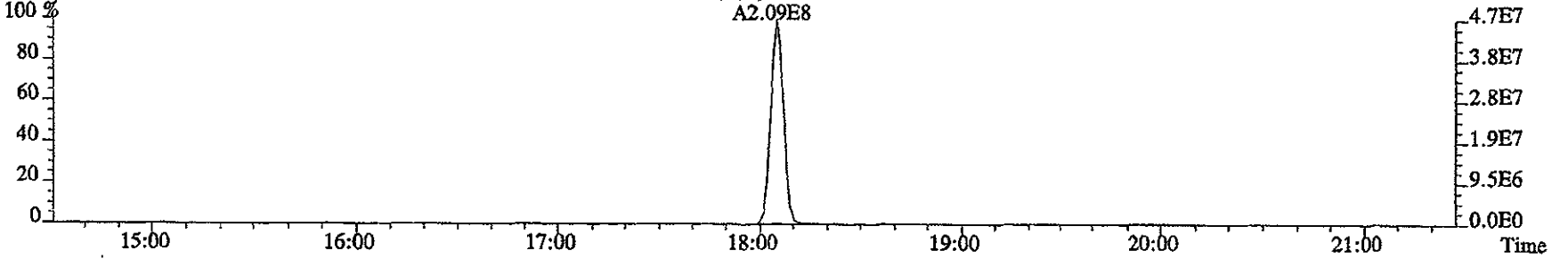
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9552.0,1.00%,F,T)



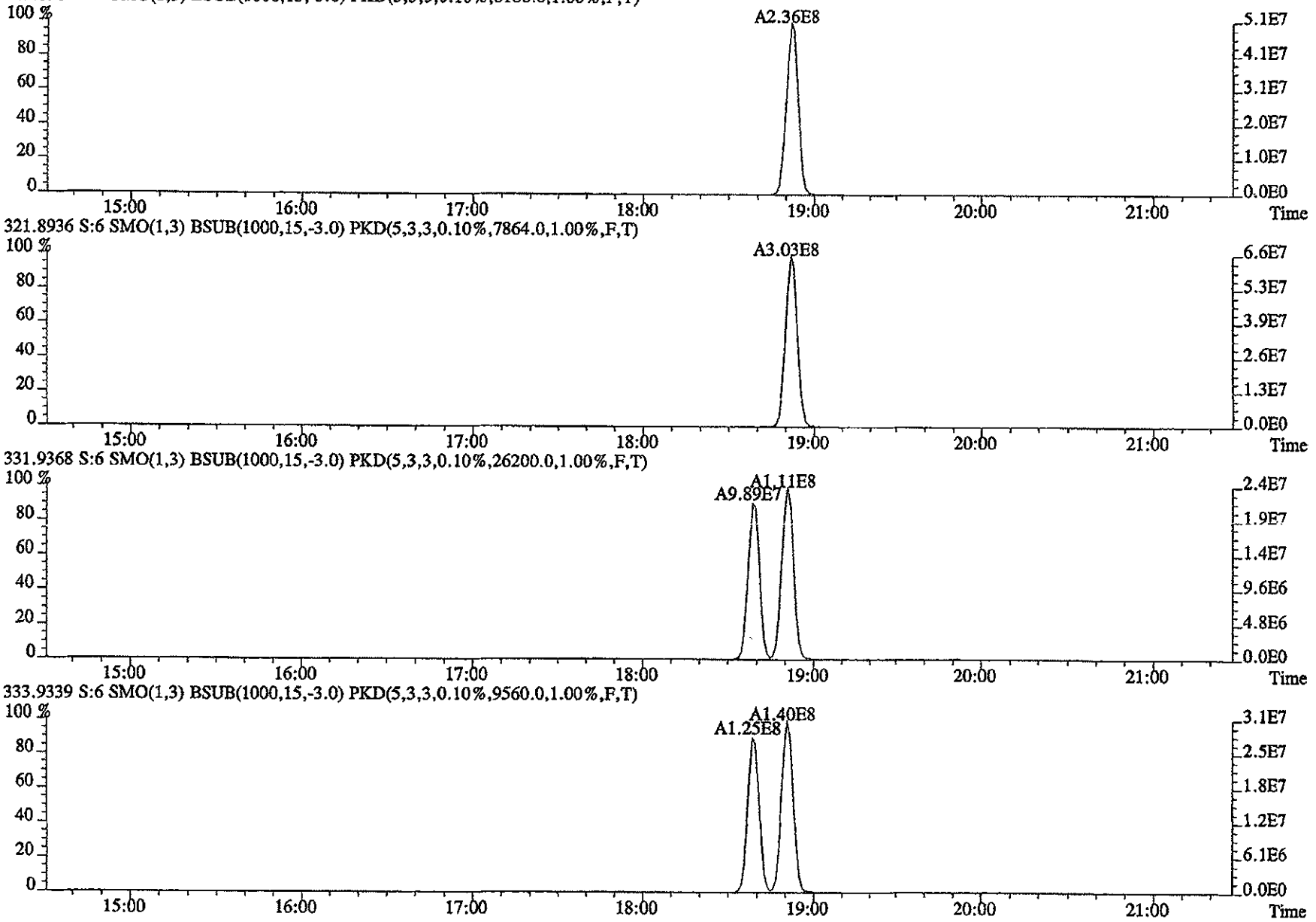
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13724.0,1.00%,F,T)



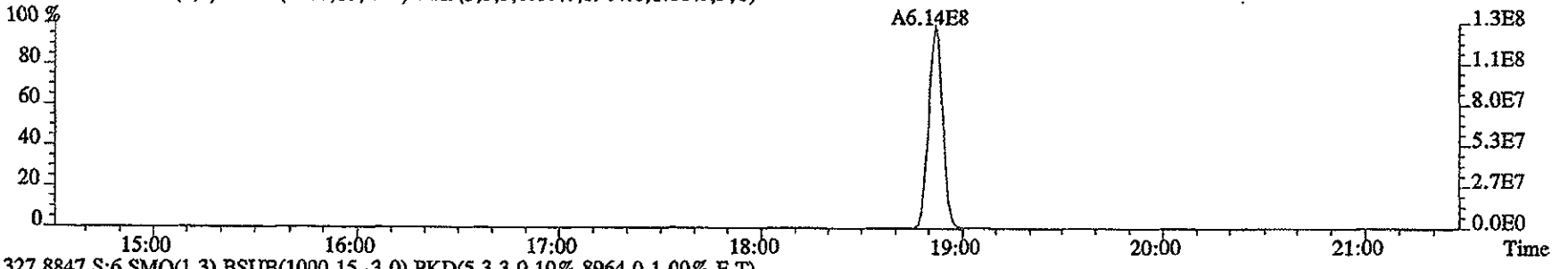
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13324.0,1.00%,F,T)



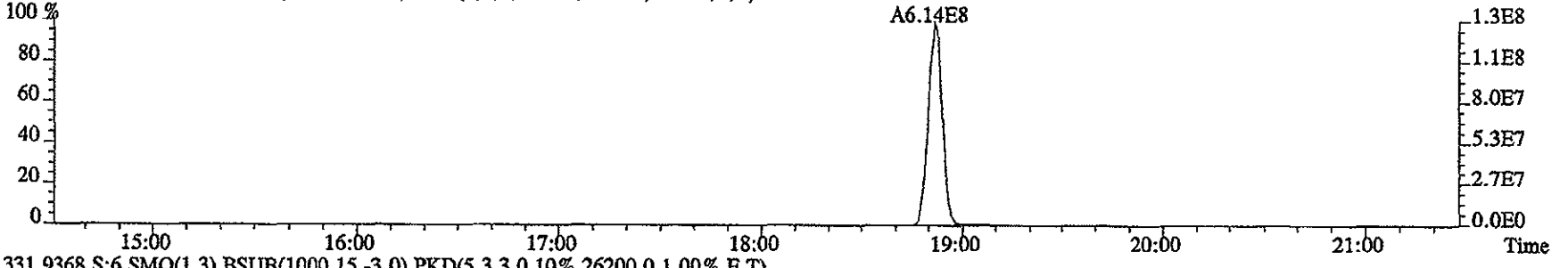
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN



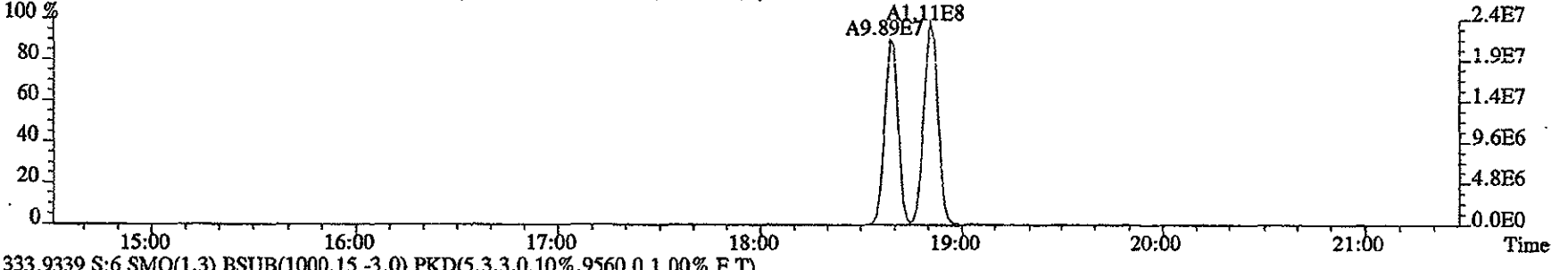
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8964.0,1.00%,F,T)



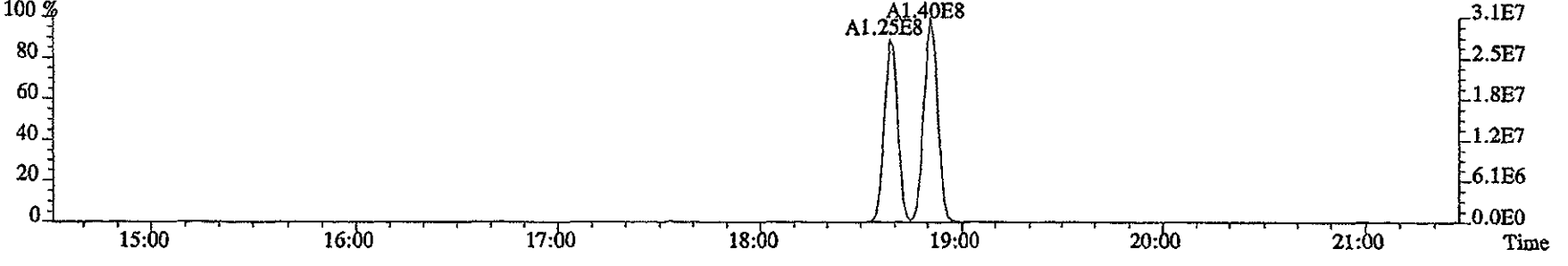
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8964.0,1.00%,F,T)



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26200.0,1.00%,F,T)

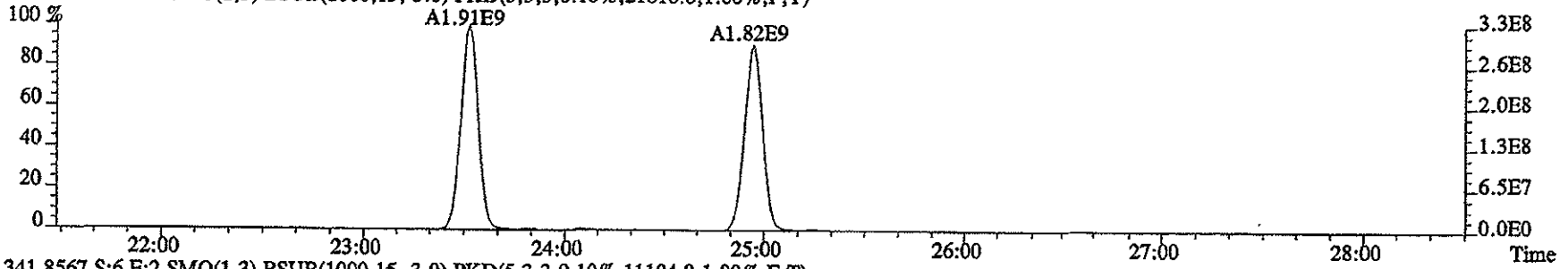


333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9560.0,1.00%,F,T)

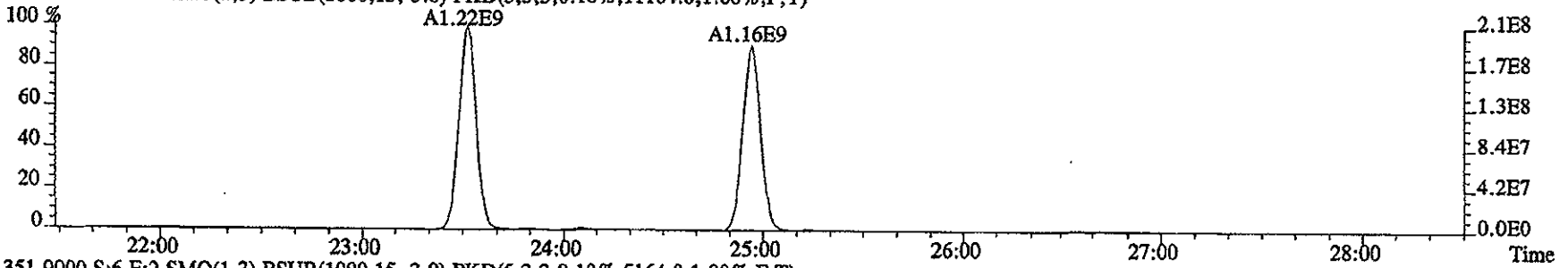


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

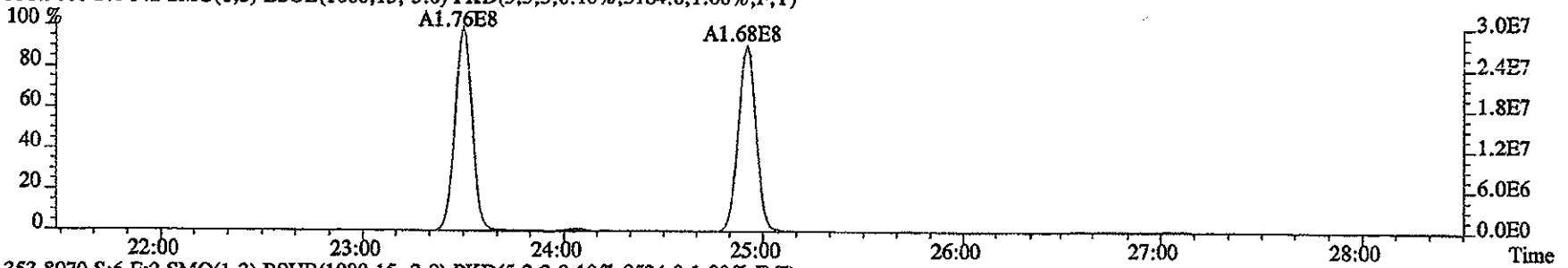
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21616.0,1.00%,F,T)



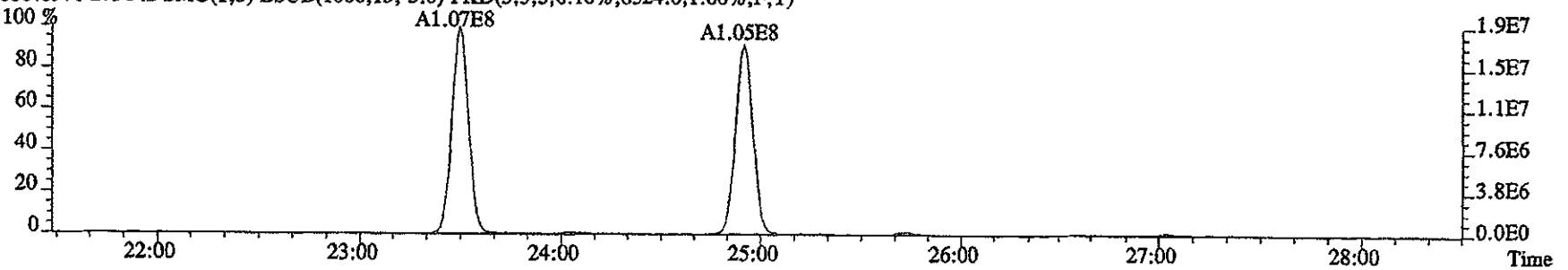
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)



351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5164.0,1.00%,F,T)

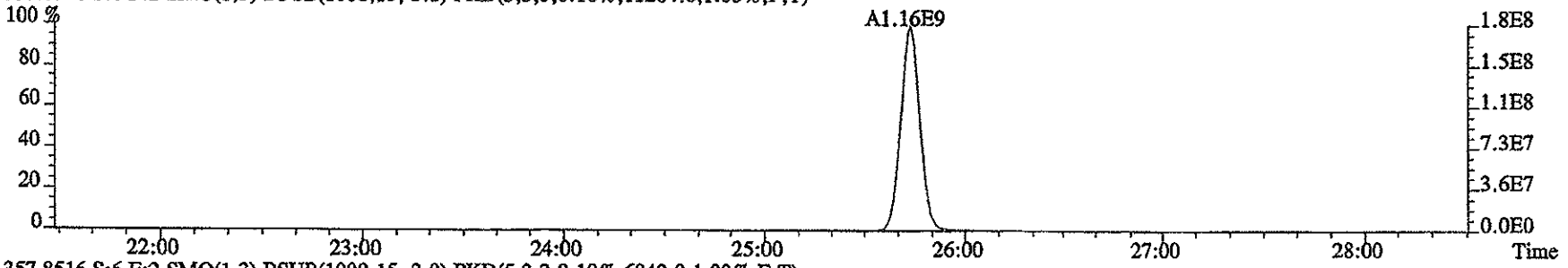


353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8524.0,1.00%,F,T)

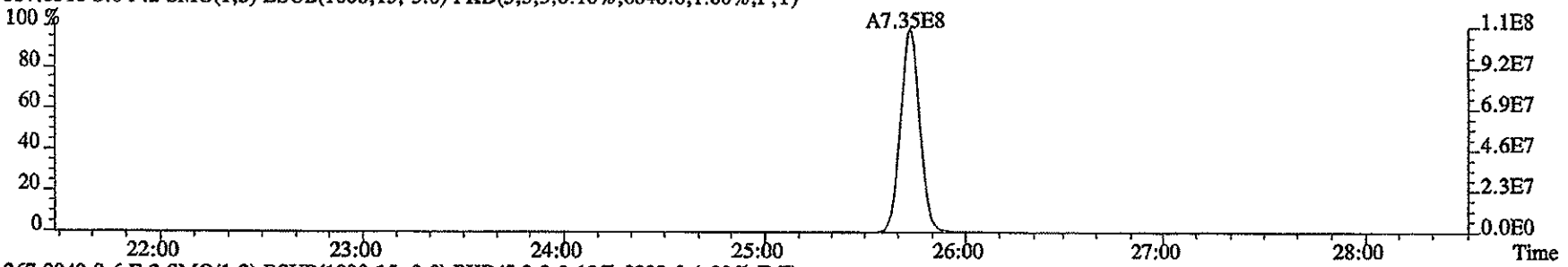


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

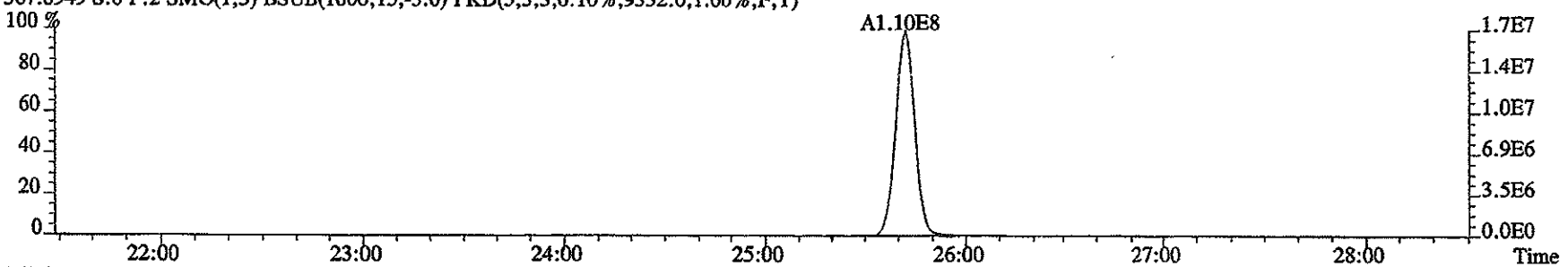
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11264.0,1.00%,F,T)



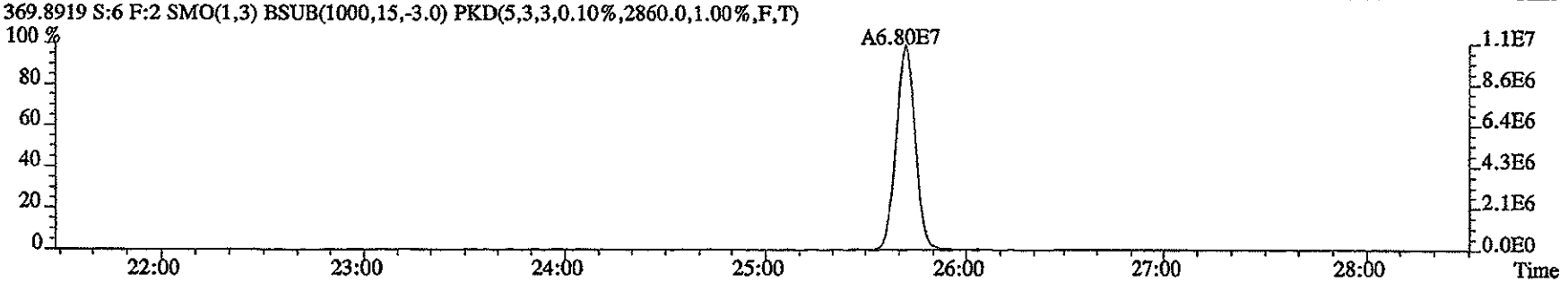
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6840.0,1.00%,F,T)



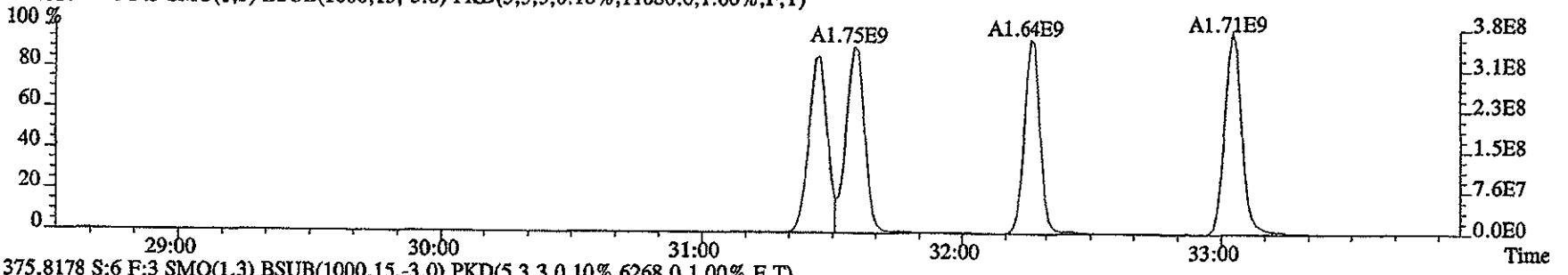
367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)



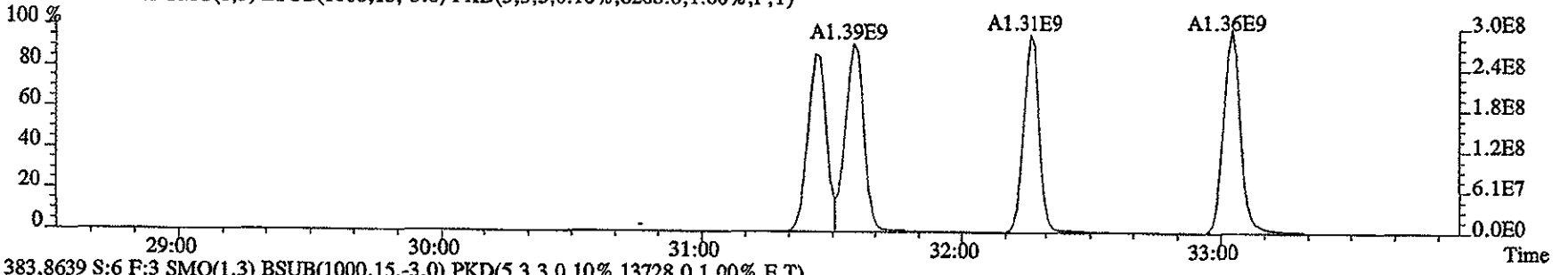
369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2860.0,1.00%,F,T)



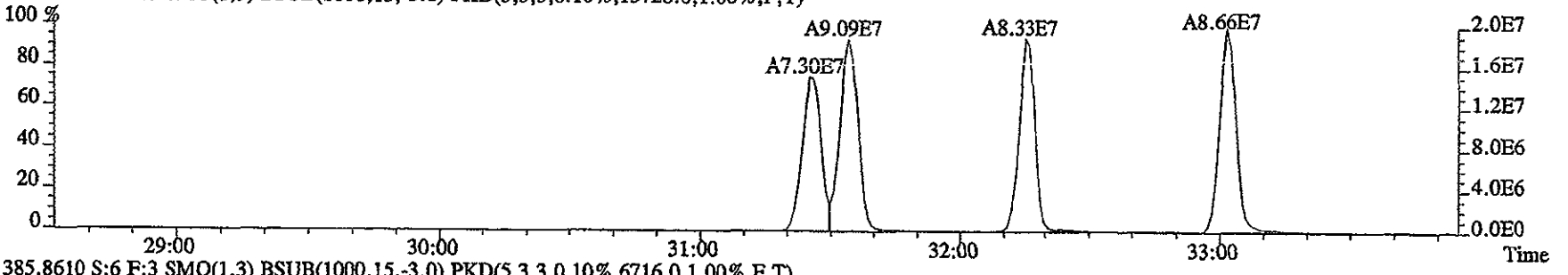
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080.0,1.00%,F,T)



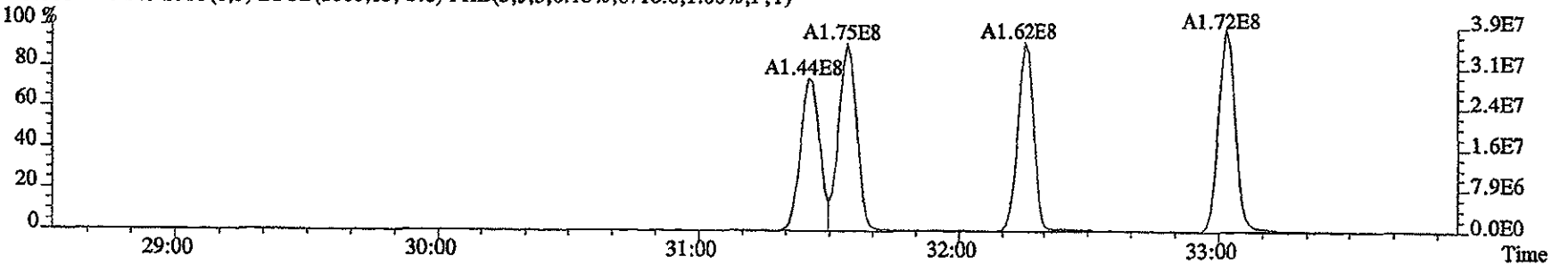
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13728.0,1.00%,F,T)

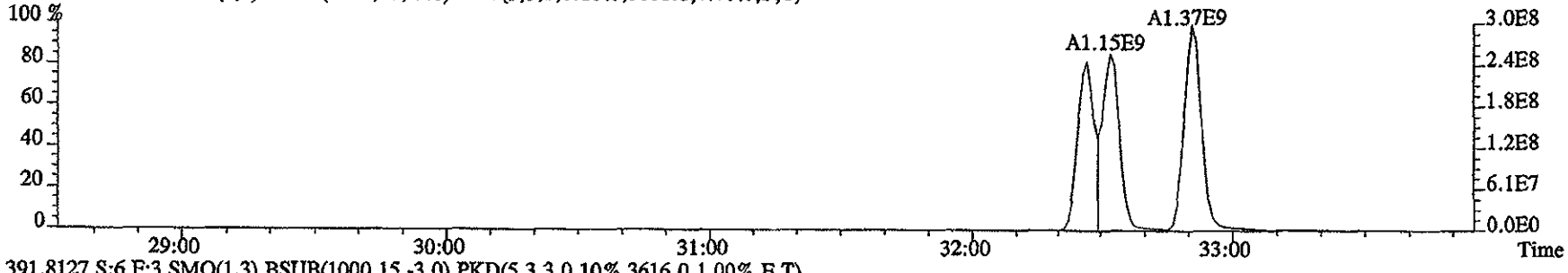


385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6716.0,1.00%,F,T)

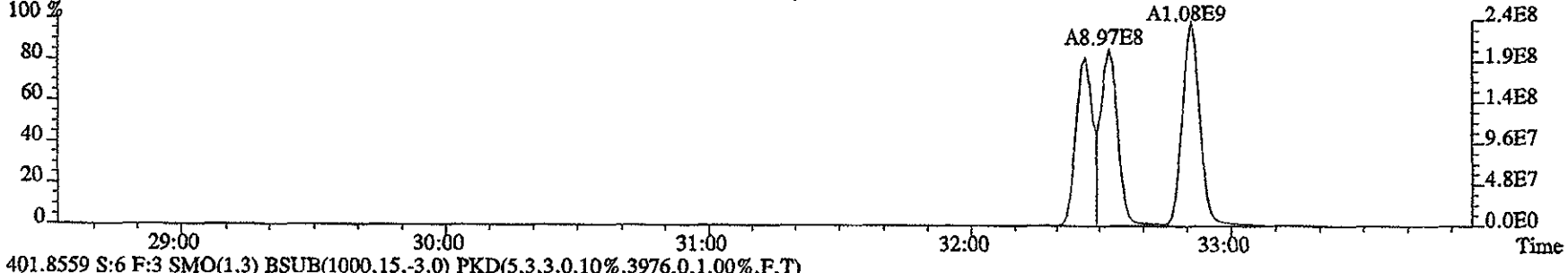


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

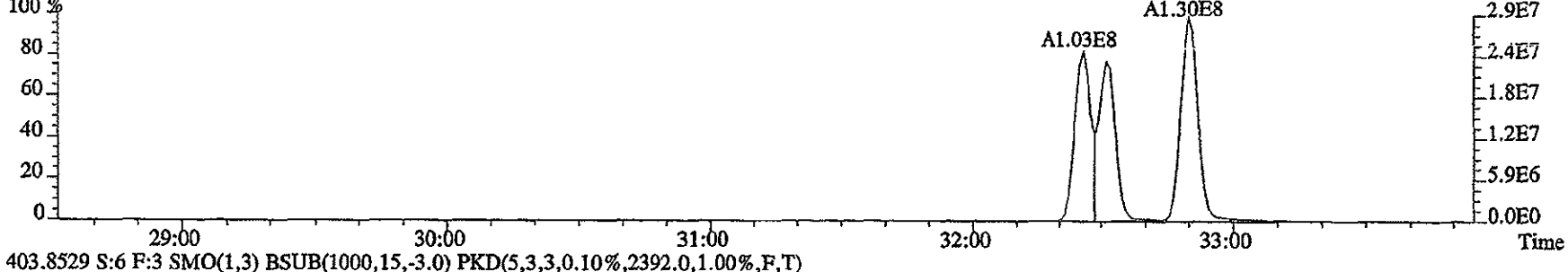
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T)



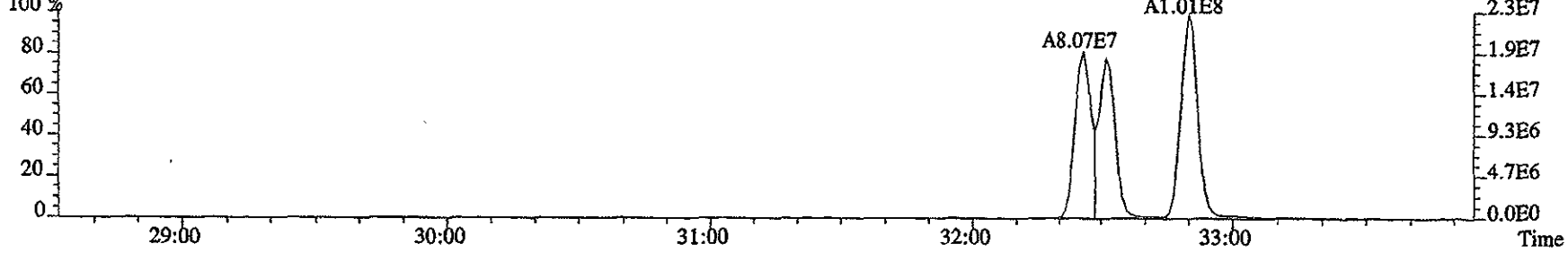
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3616.0,1.00%,F,T)



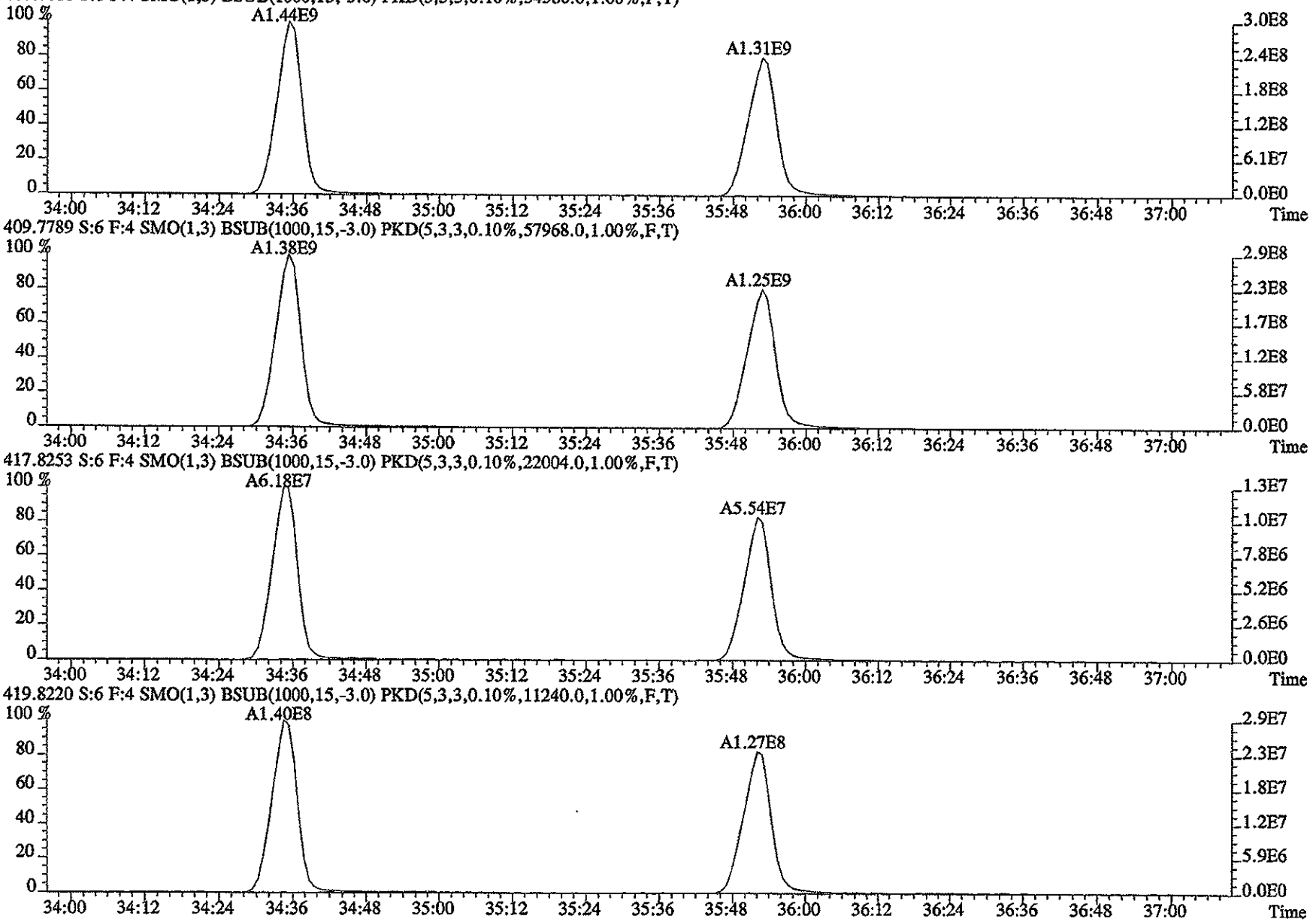
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3976.0,1.00%,F,T)



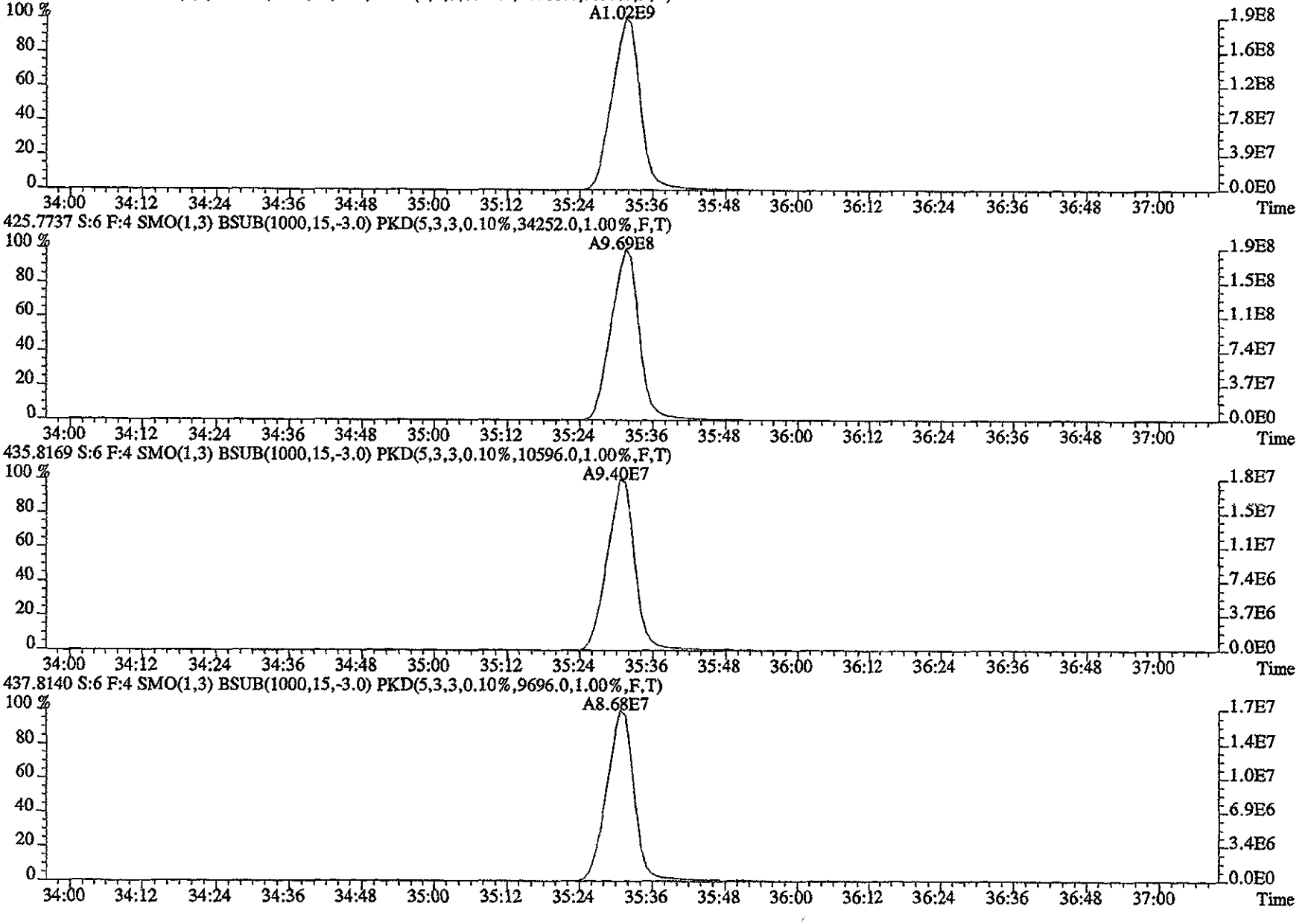
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392.0,1.00%,F,T)



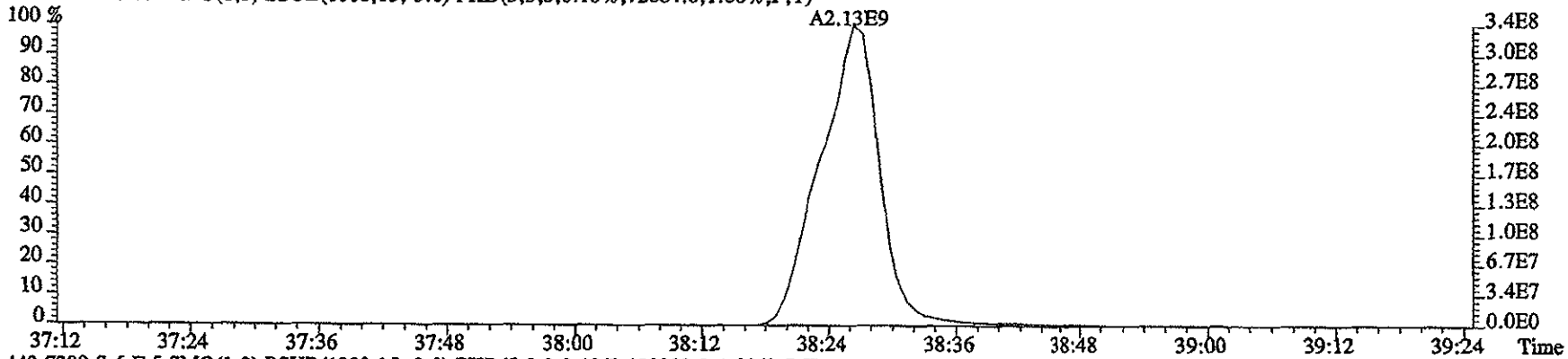
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN



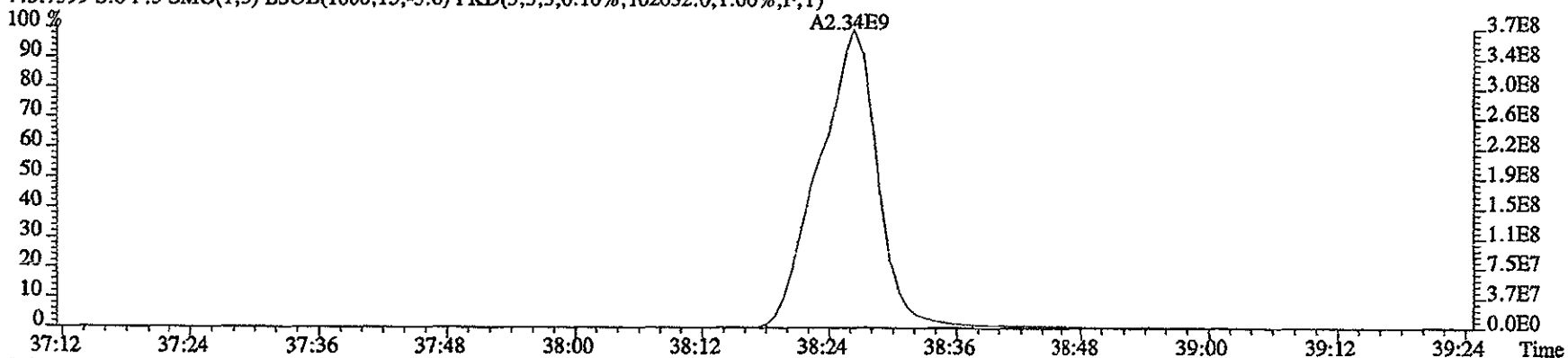
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN



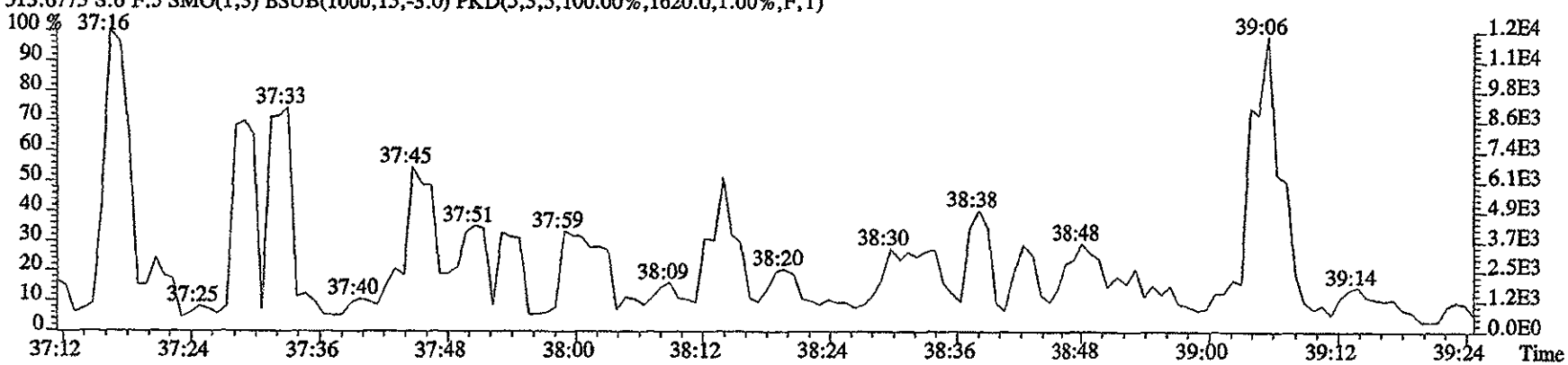
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72084.0,1.00%,F,T)



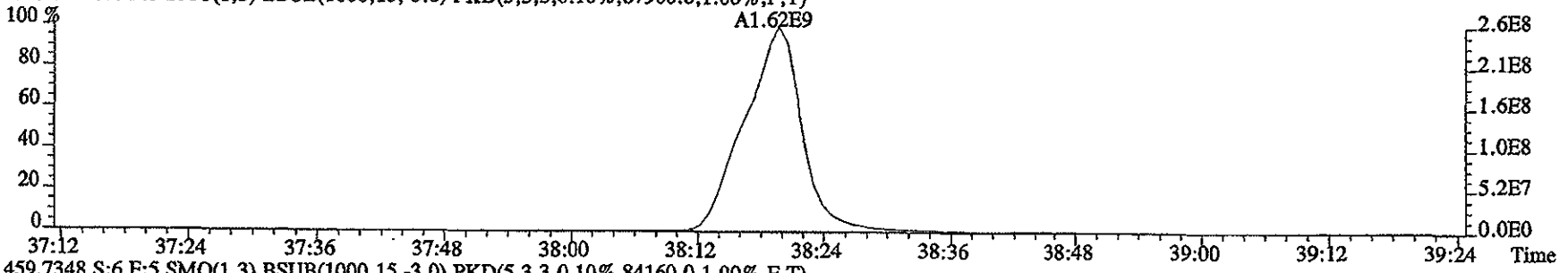
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,102032.0,1.00%,F,T)



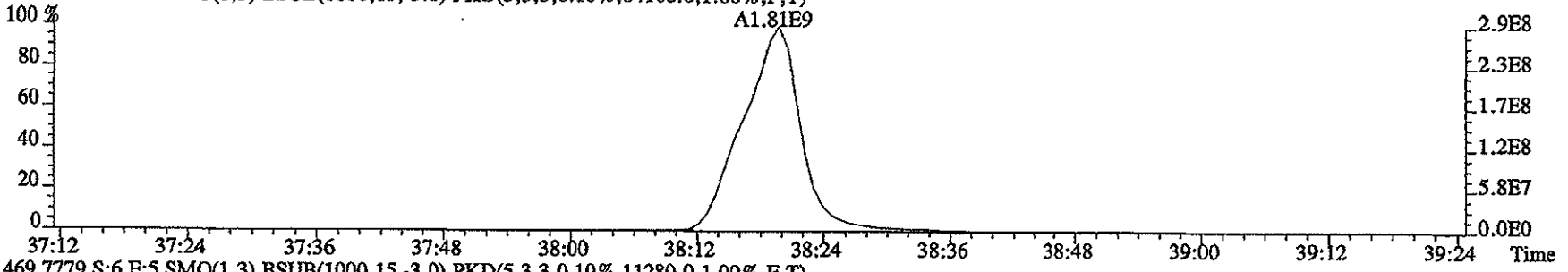
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1620.0,1.00%,F,T)



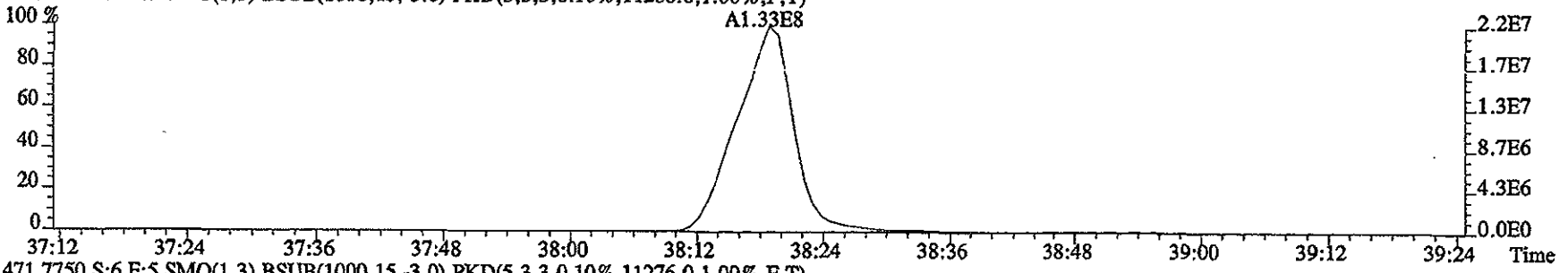
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,67900.0,1.00%,F,T)



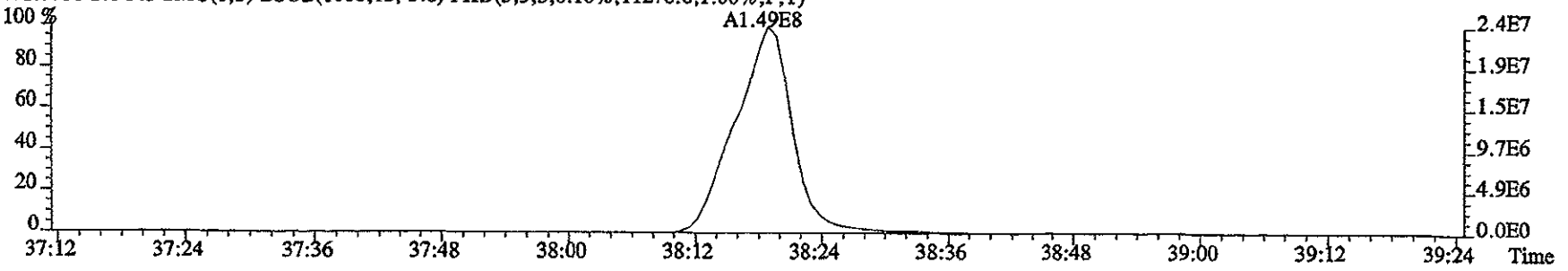
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84160.0,1.00%,F,T)

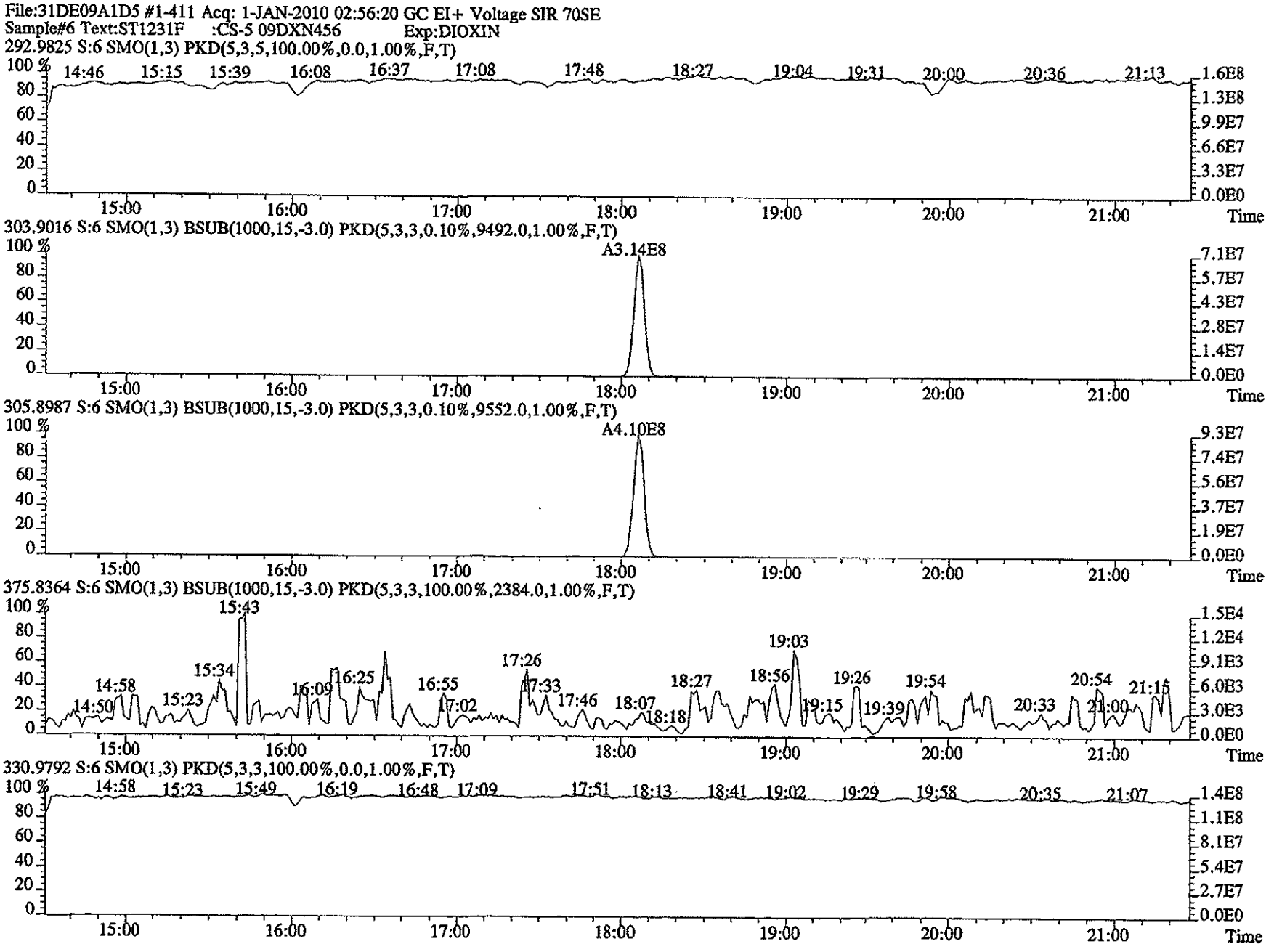


469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11280.0,1.00%,F,T)

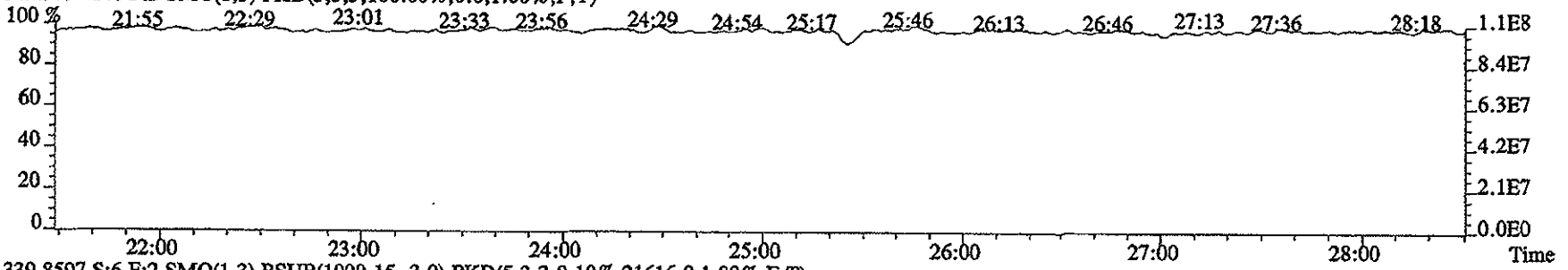


471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11276.0,1.00%,F,T)

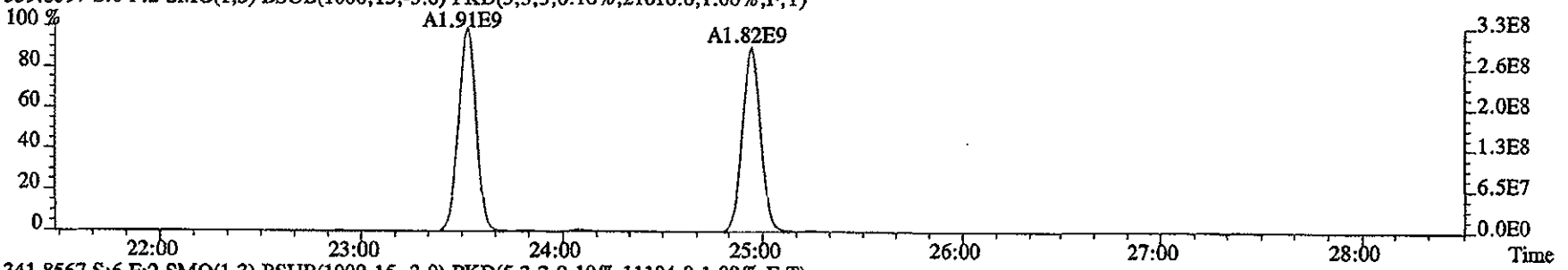




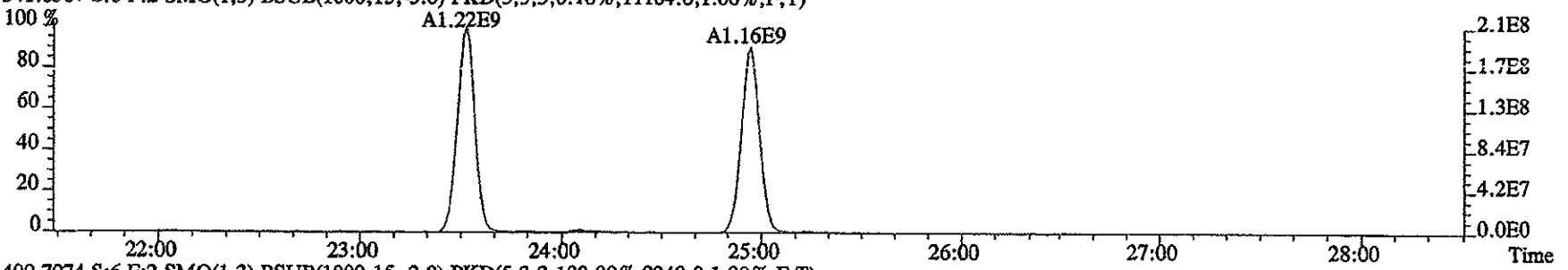
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



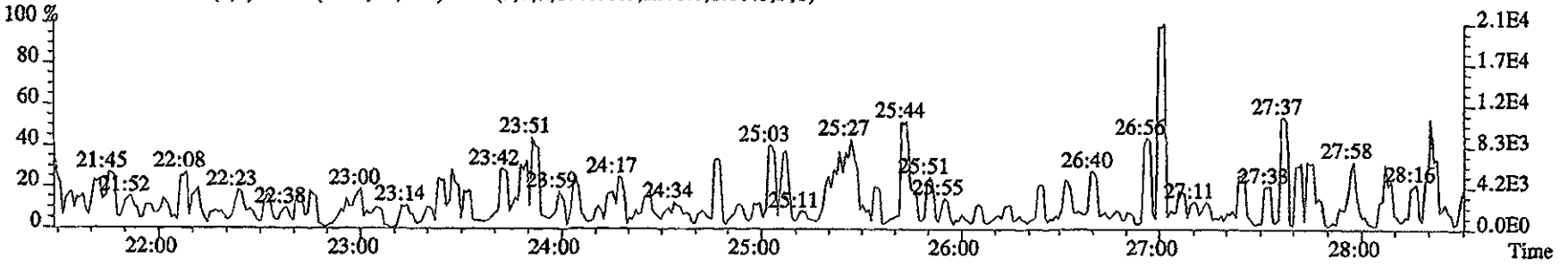
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21616.0,1.00%,F,T)



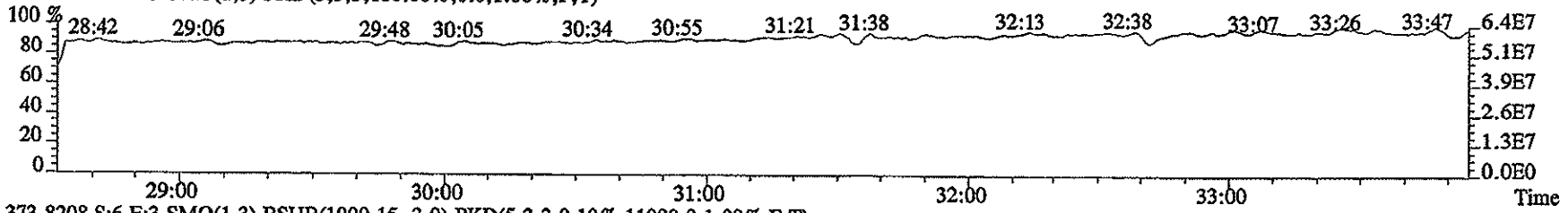
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)



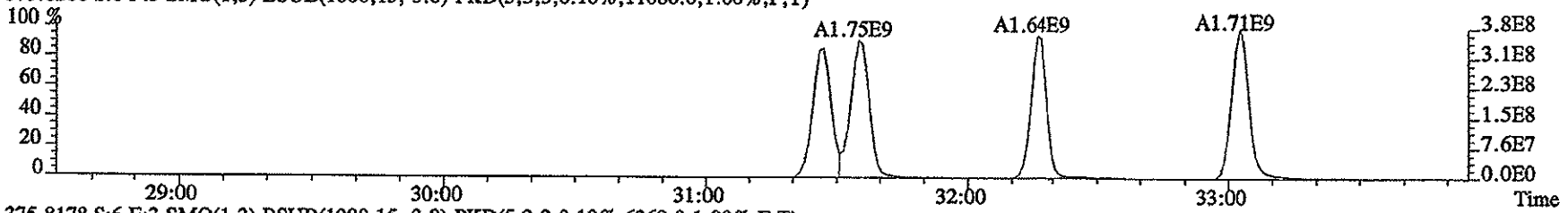
409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2240.0,1.00%,F,T)



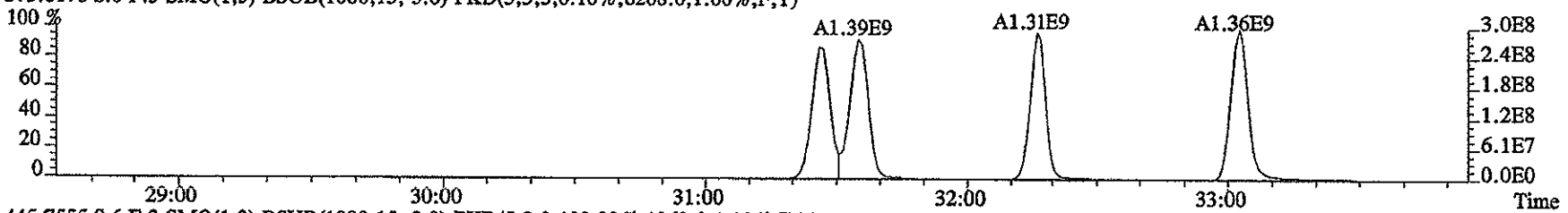
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



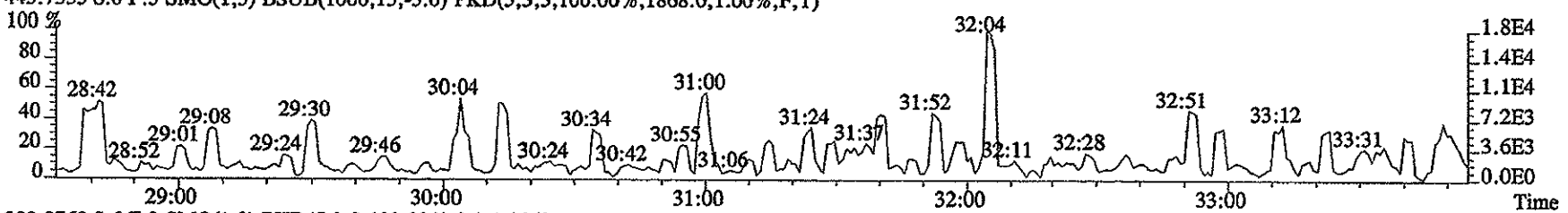
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080.0,1.00%,F,T)



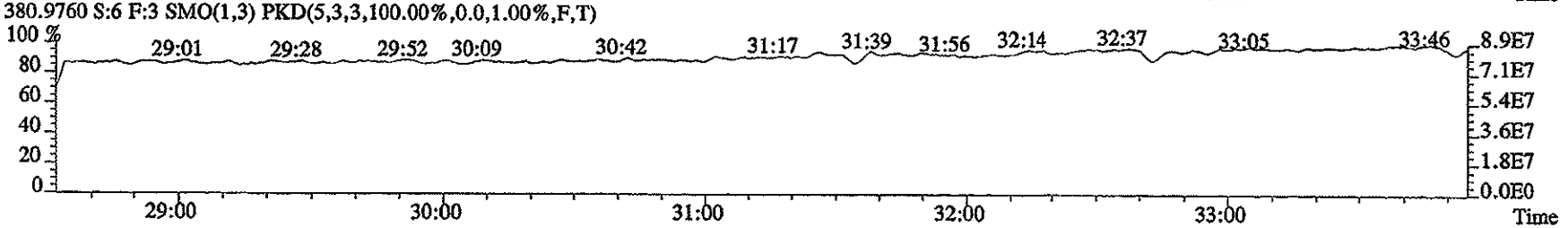
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)

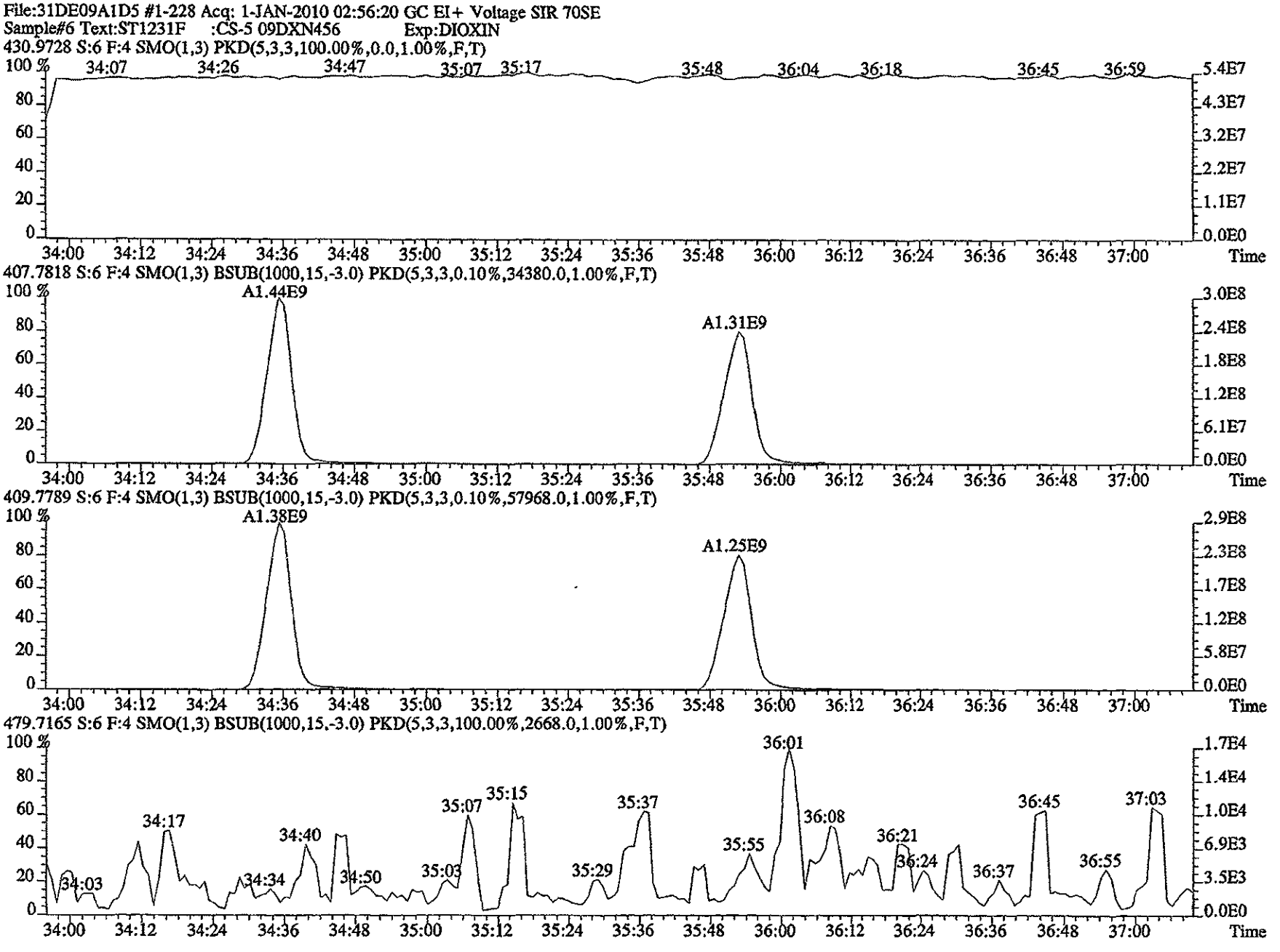


445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1868.0,1.00%,F,T)

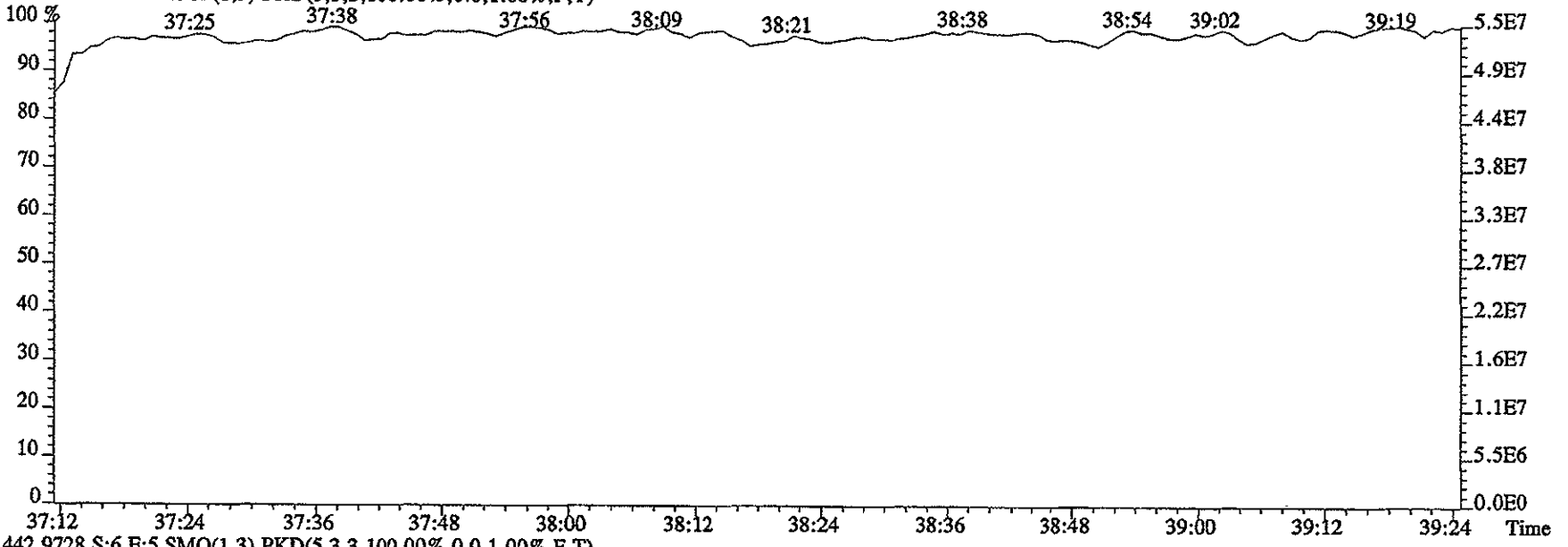


380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

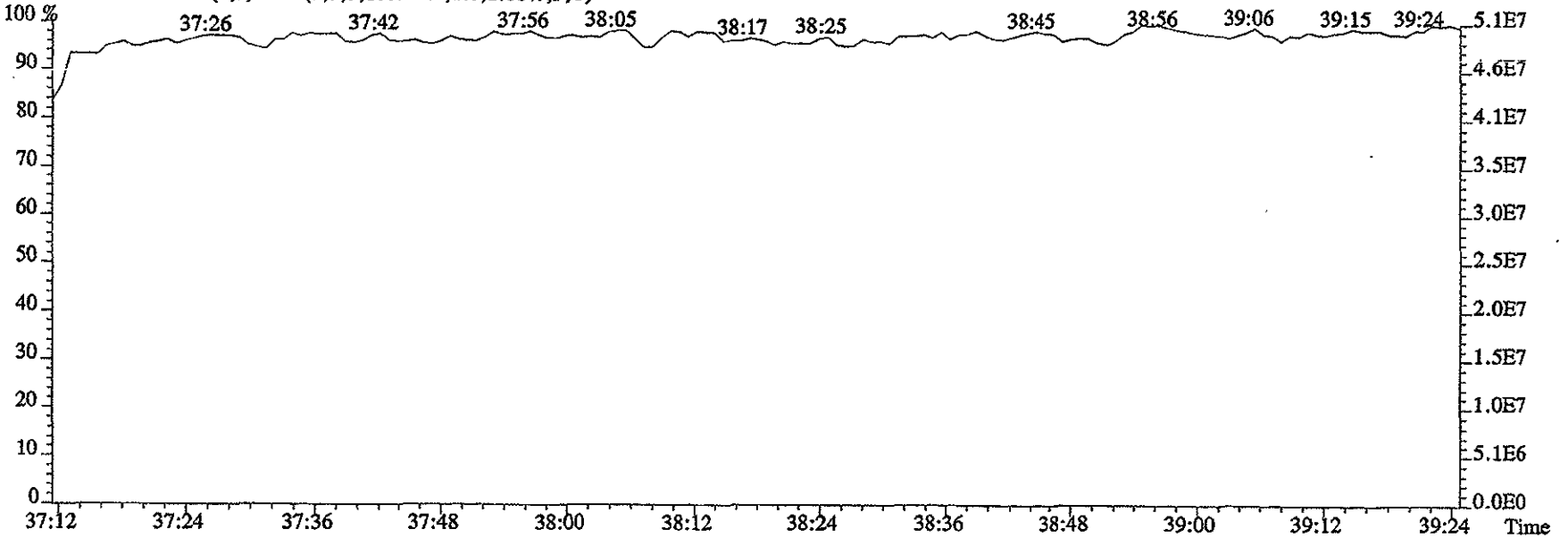




File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

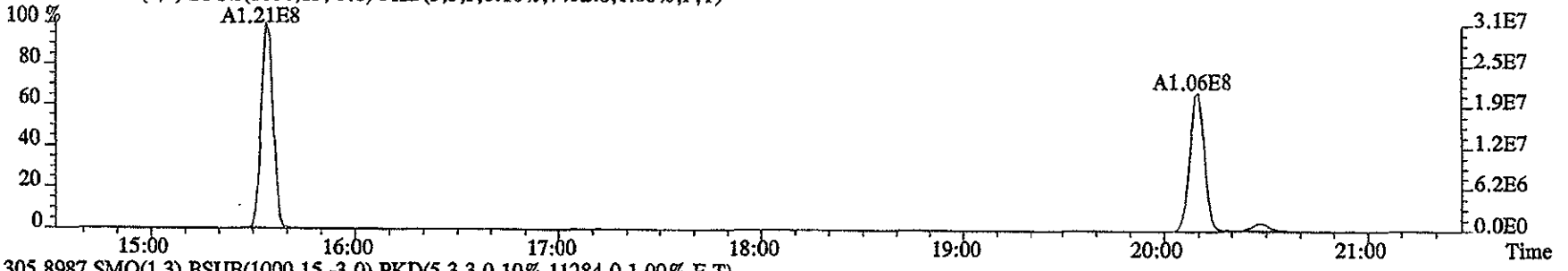


442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

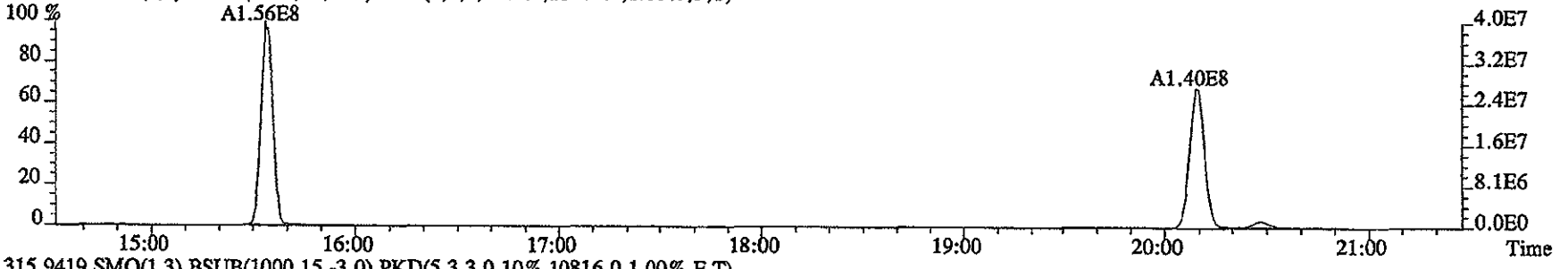


File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

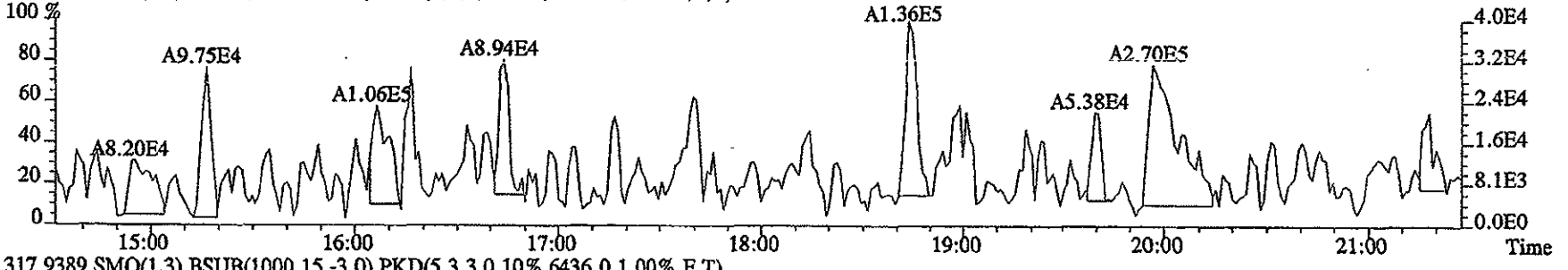
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)



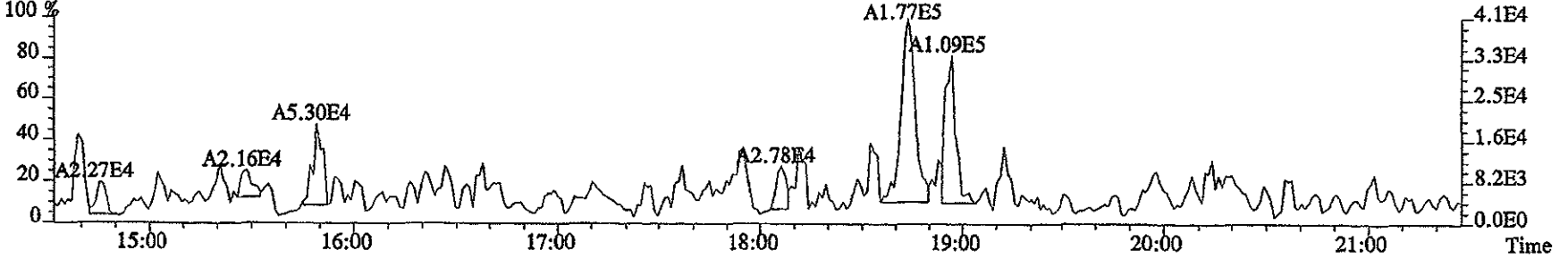
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11284.0,1.00%,F,T)



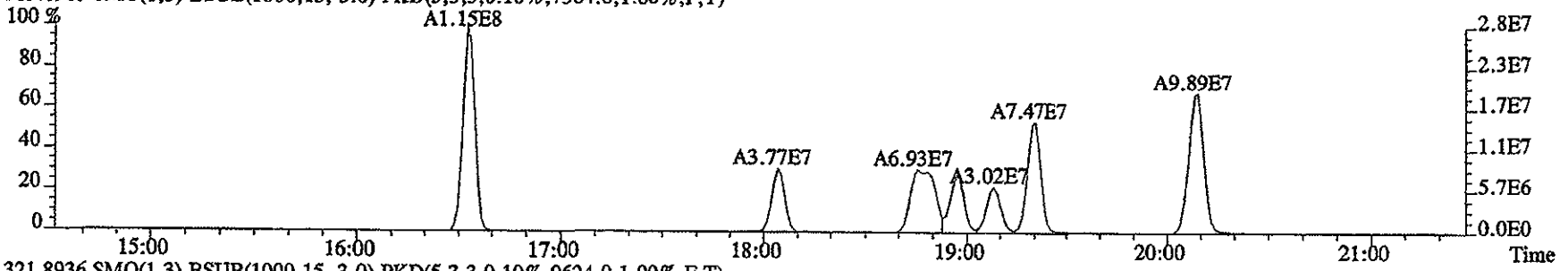
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10816.0,1.00%,F,T)



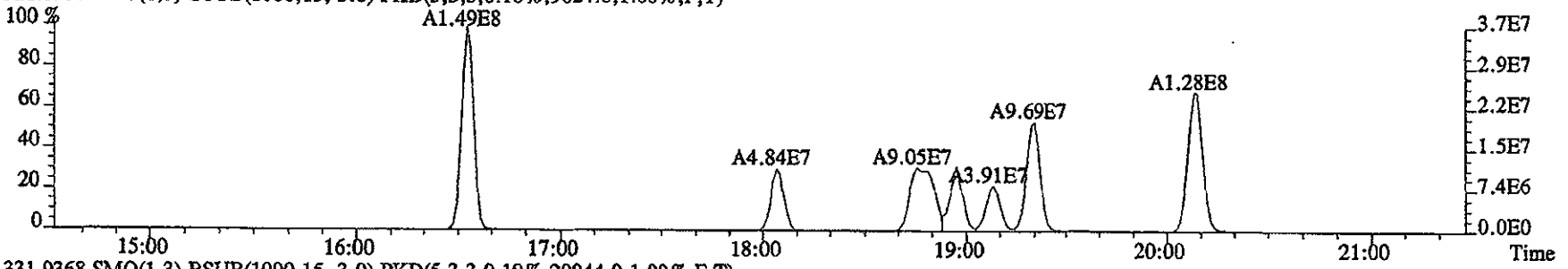
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6436.0,1.00%,F,T)



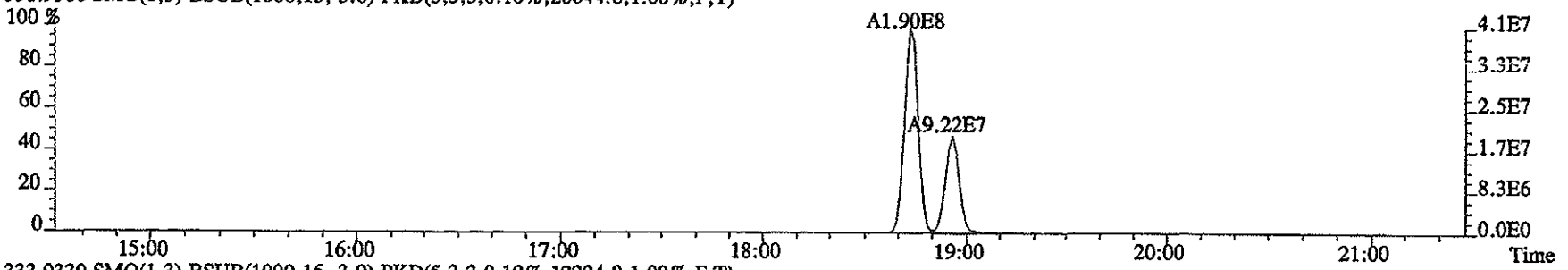
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7364.0,1.00%,F,T)



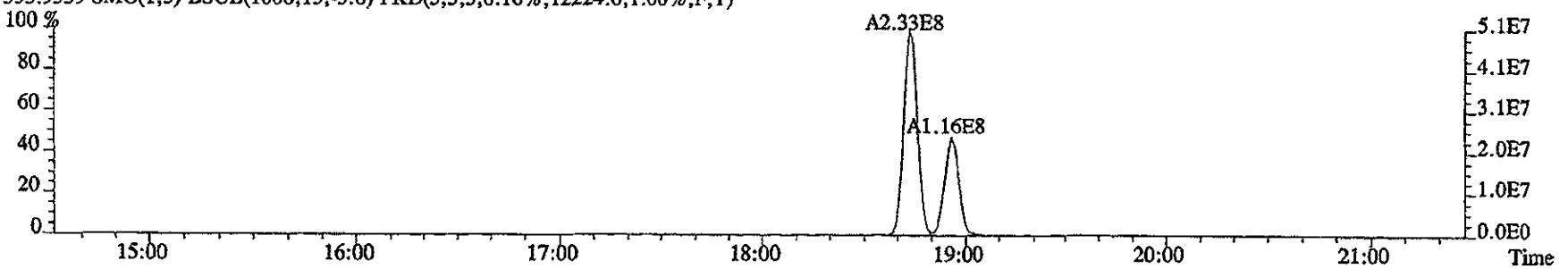
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9624.0,1.00%,F,T)

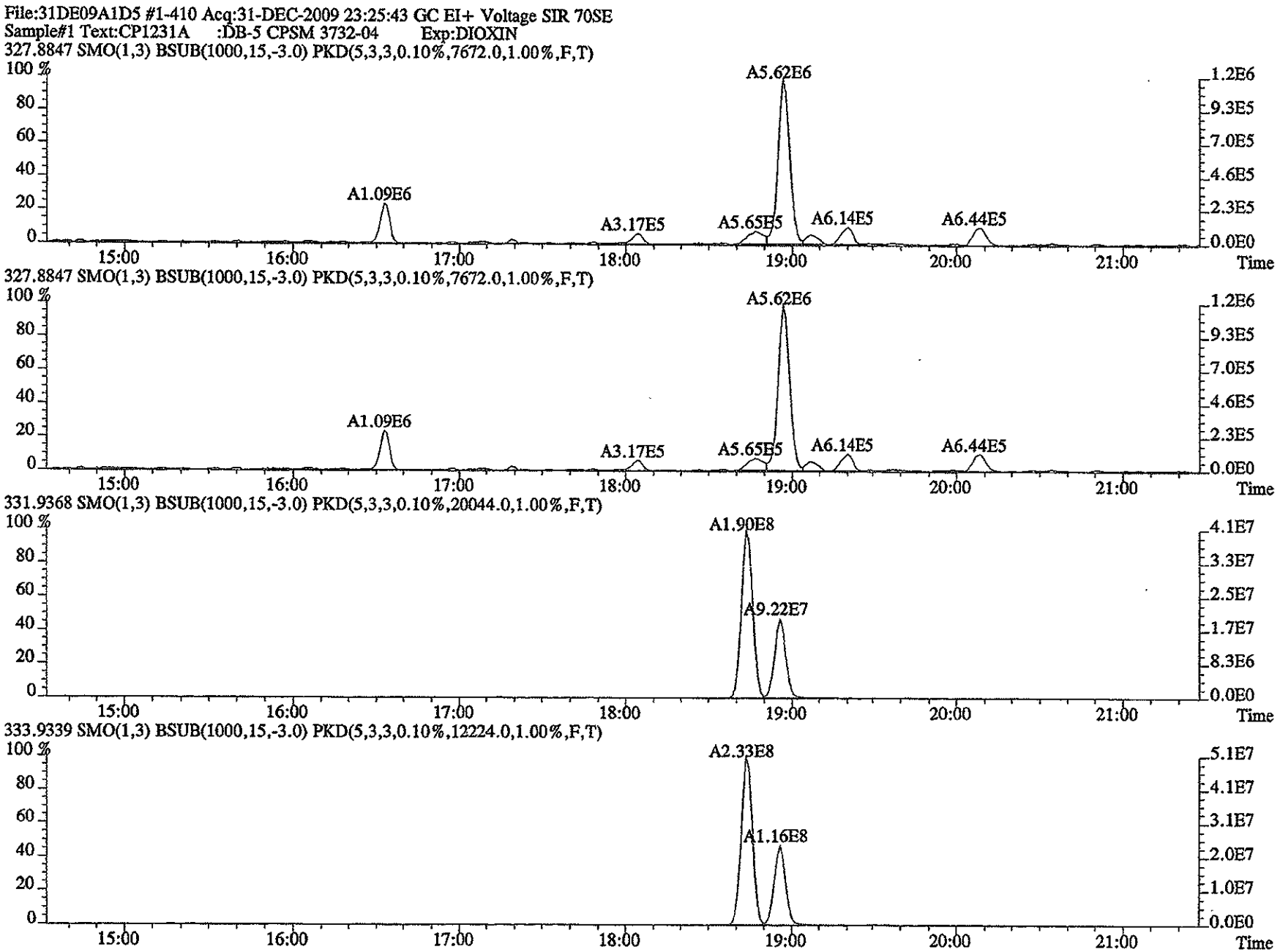


331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20044.0,1.00%,F,T)

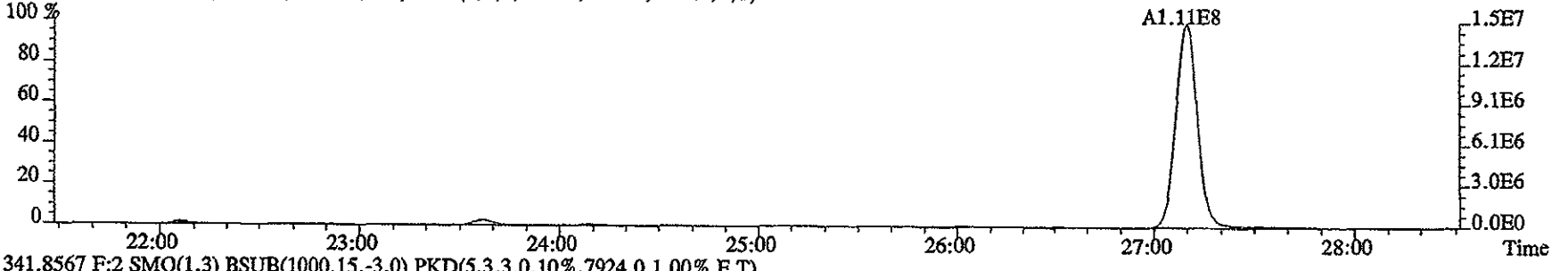


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12224.0,1.00%,F,T)



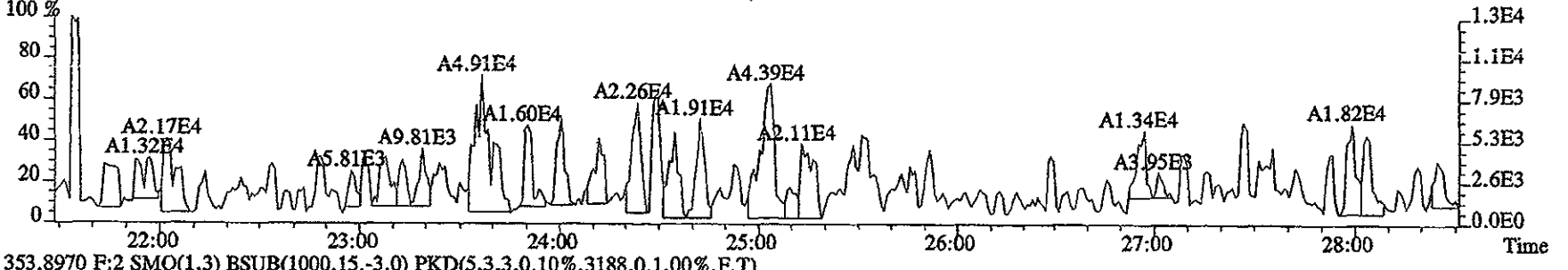


File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6040.0,1.00%,F,T)

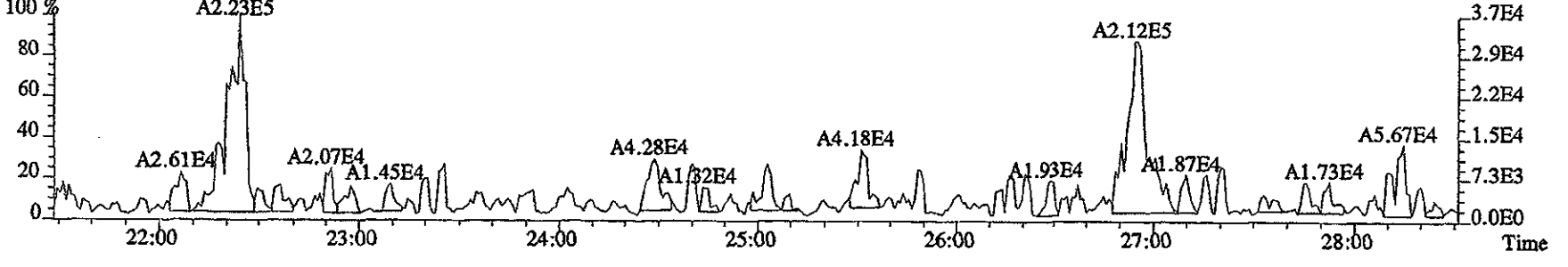


341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7924.0,1.00%,F,T)

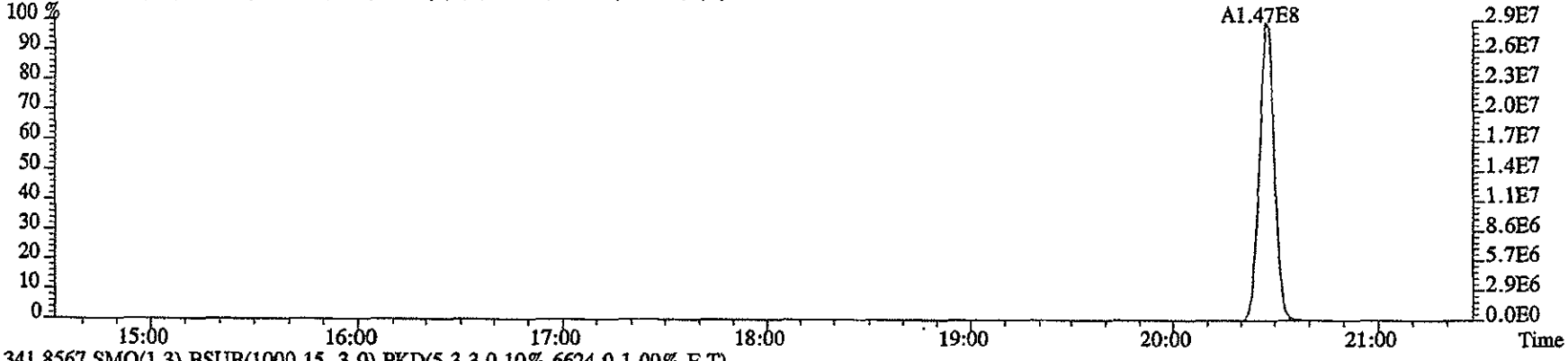
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



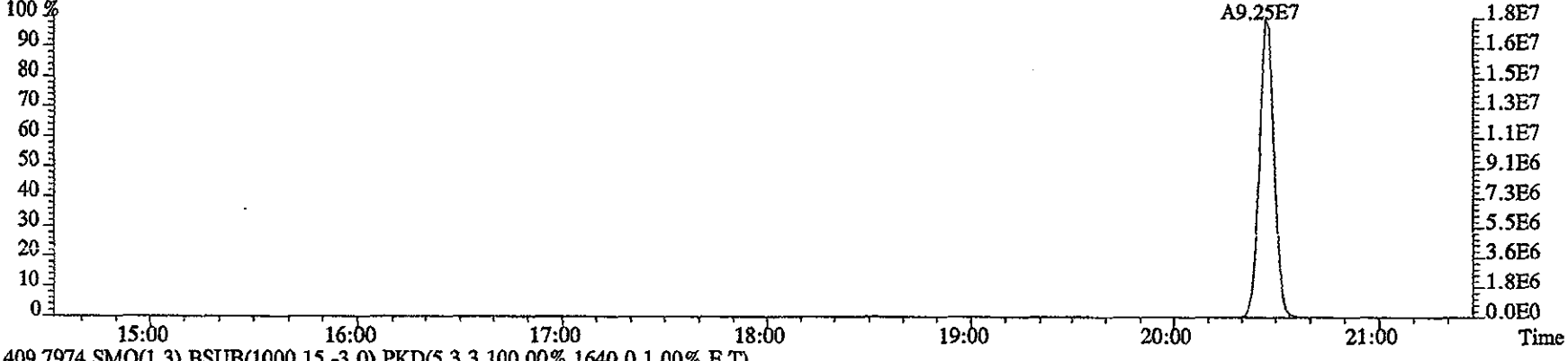
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3188.0,1.00%,F,T)



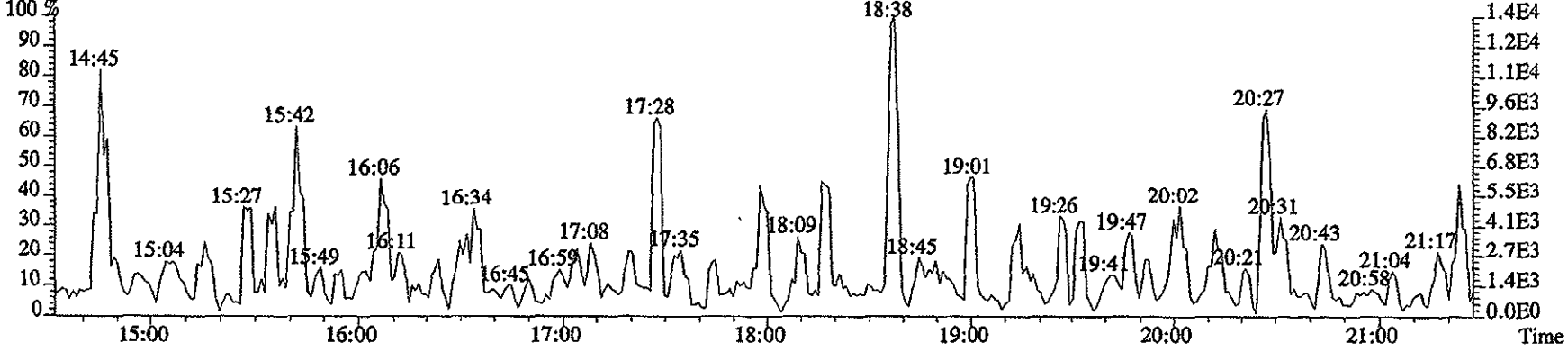
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4608.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6624.0,1.00%,F,T)

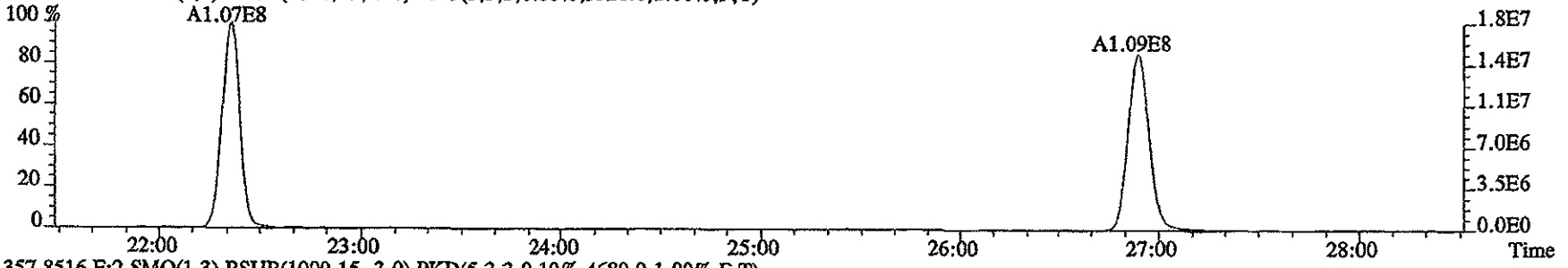


409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1640.0,1.00%,F,T)

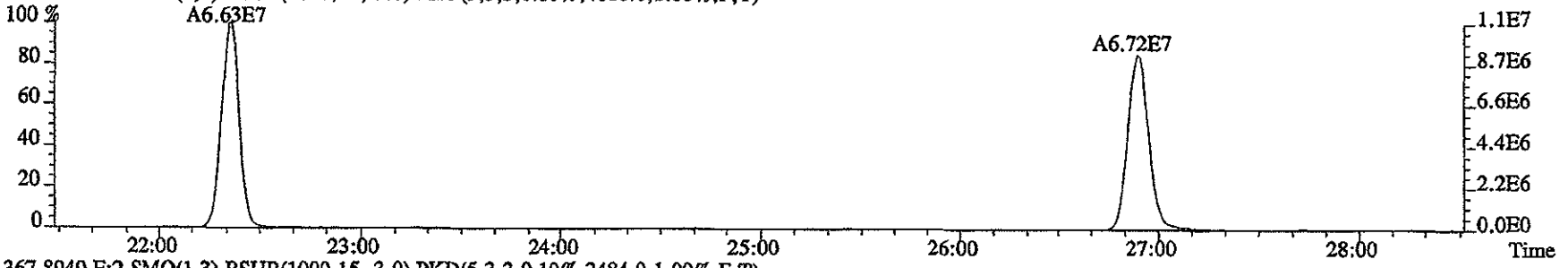


File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

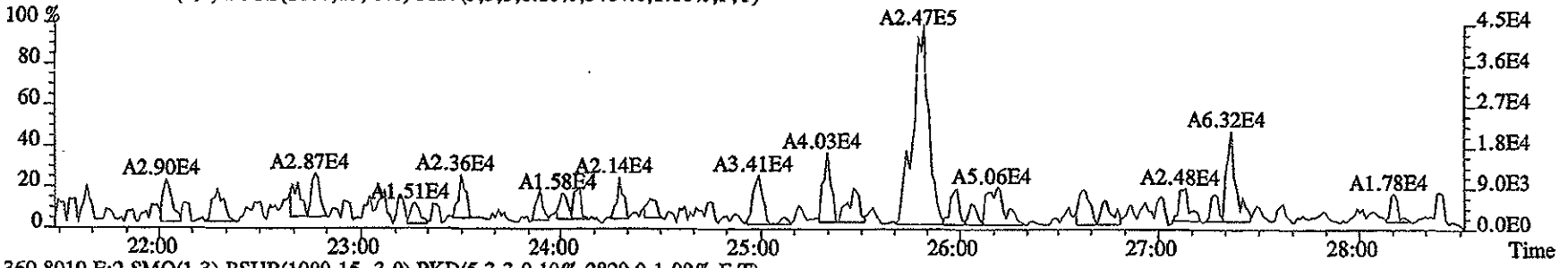
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9928.0,1.00%,F,T)



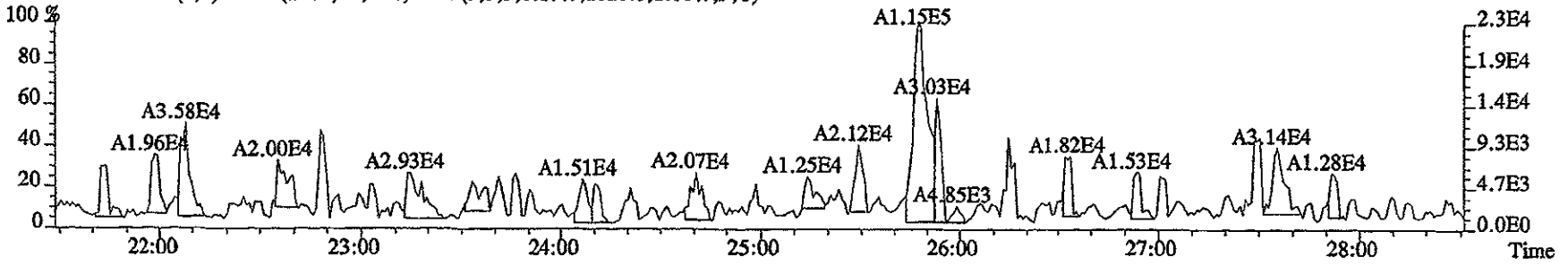
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4680.0,1.00%,F,T)



367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484.0,1.00%,F,T)

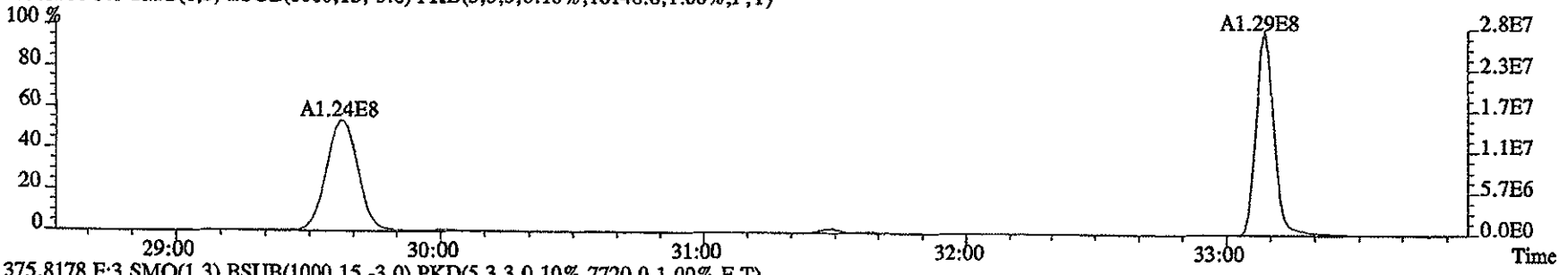


369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2820.0,1.00%,F,T)

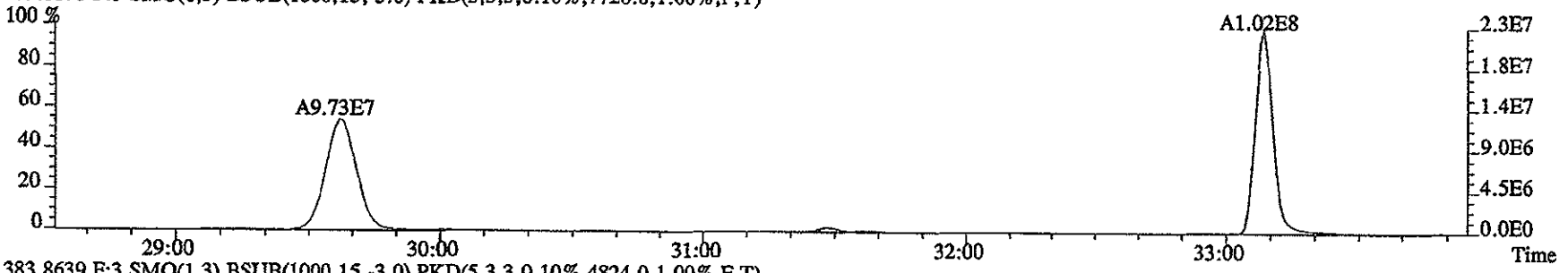


File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

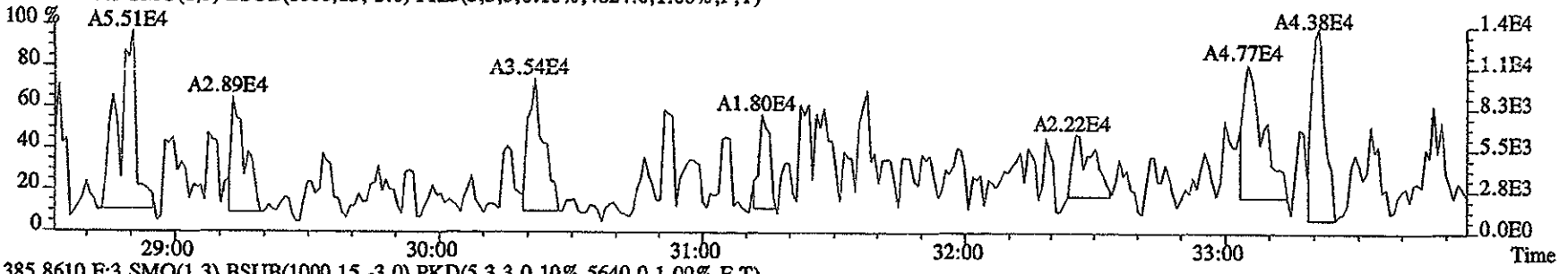
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16148.0,1.00%,F,T)



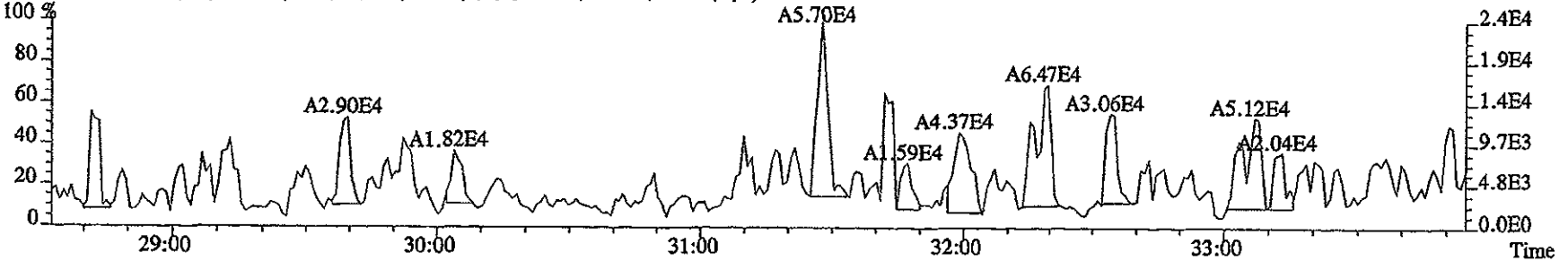
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7720.0,1.00%,F,T)



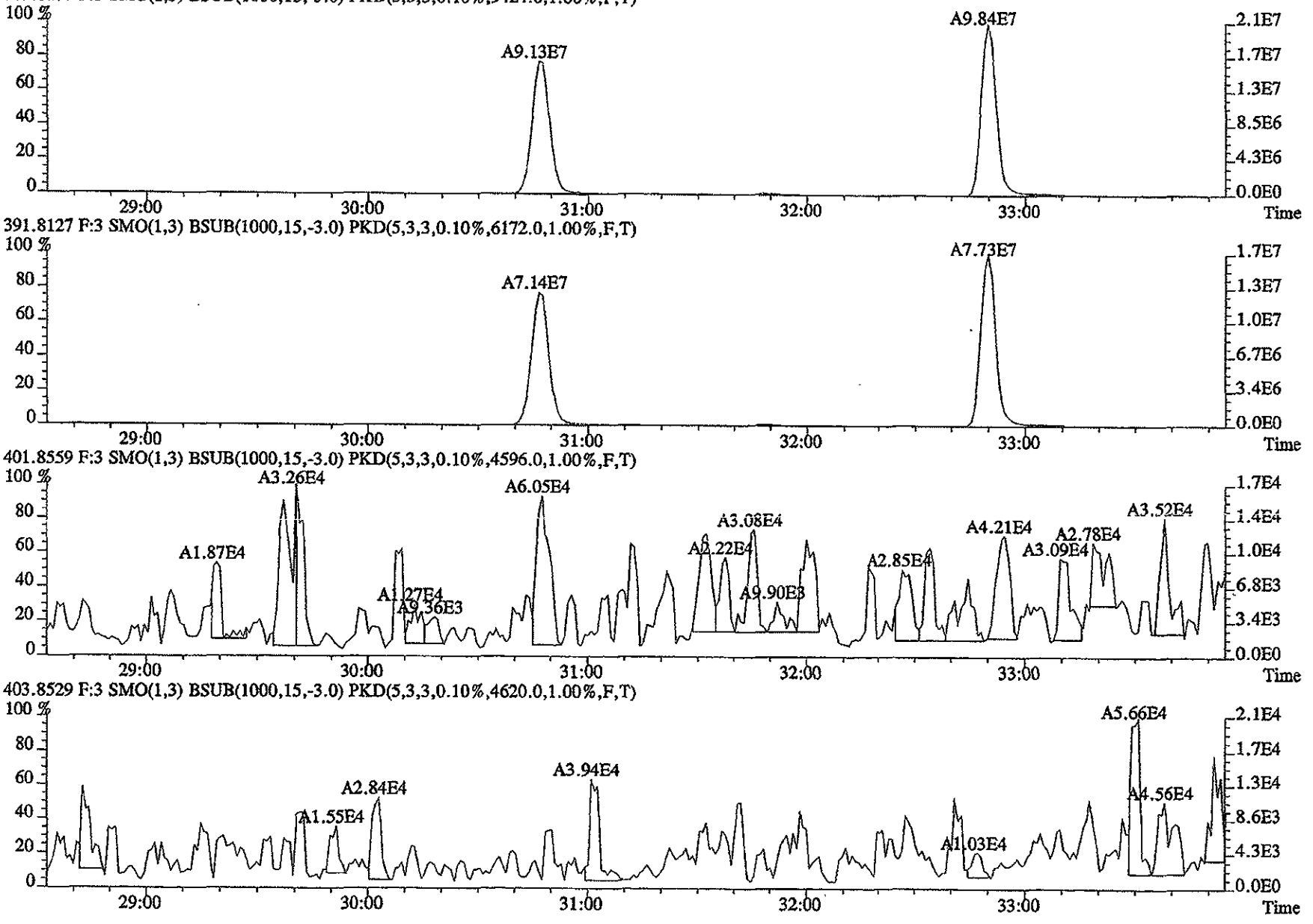
383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4824.0,1.00%,F,T)



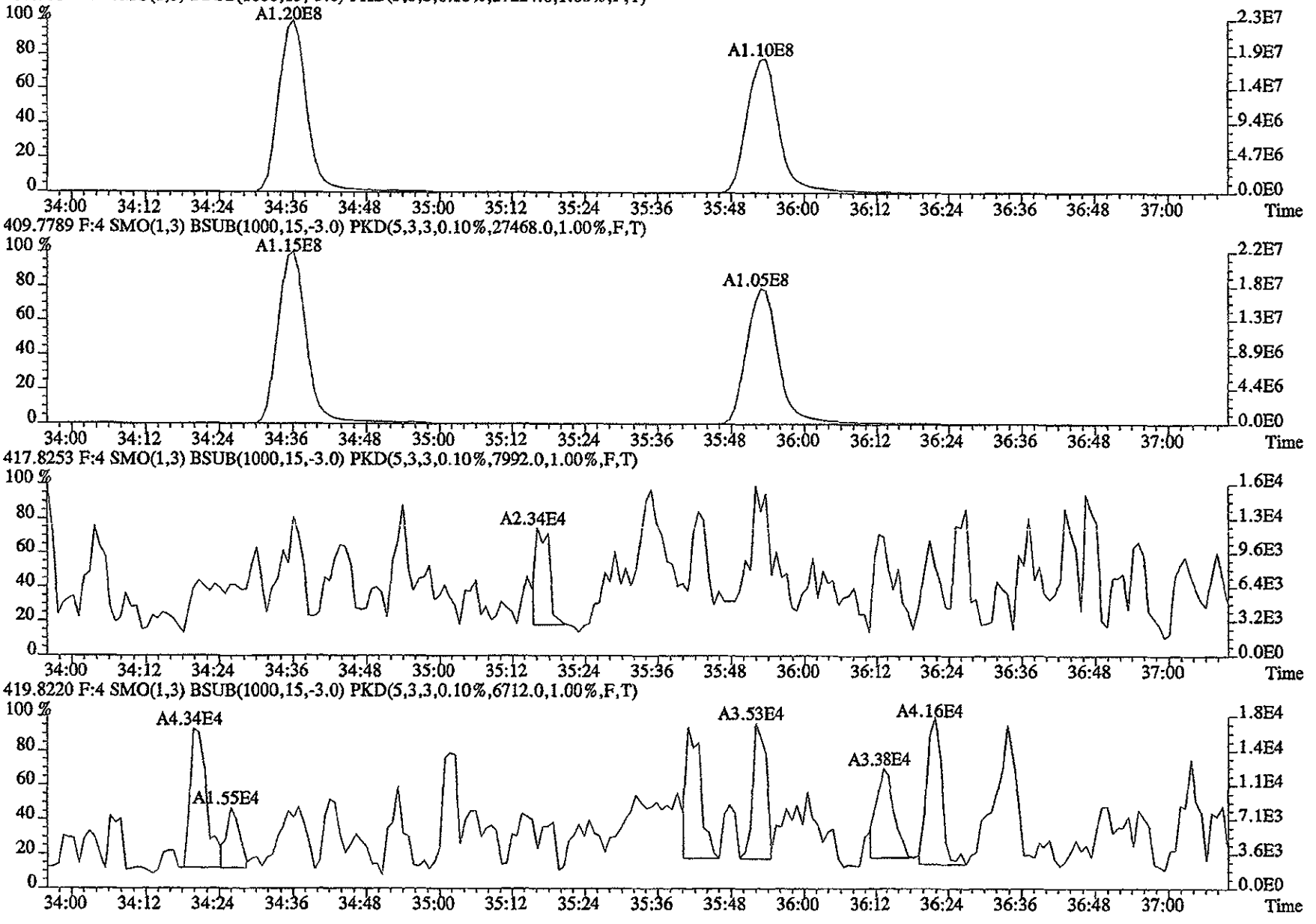
385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5640.0,1.00%,F,T)



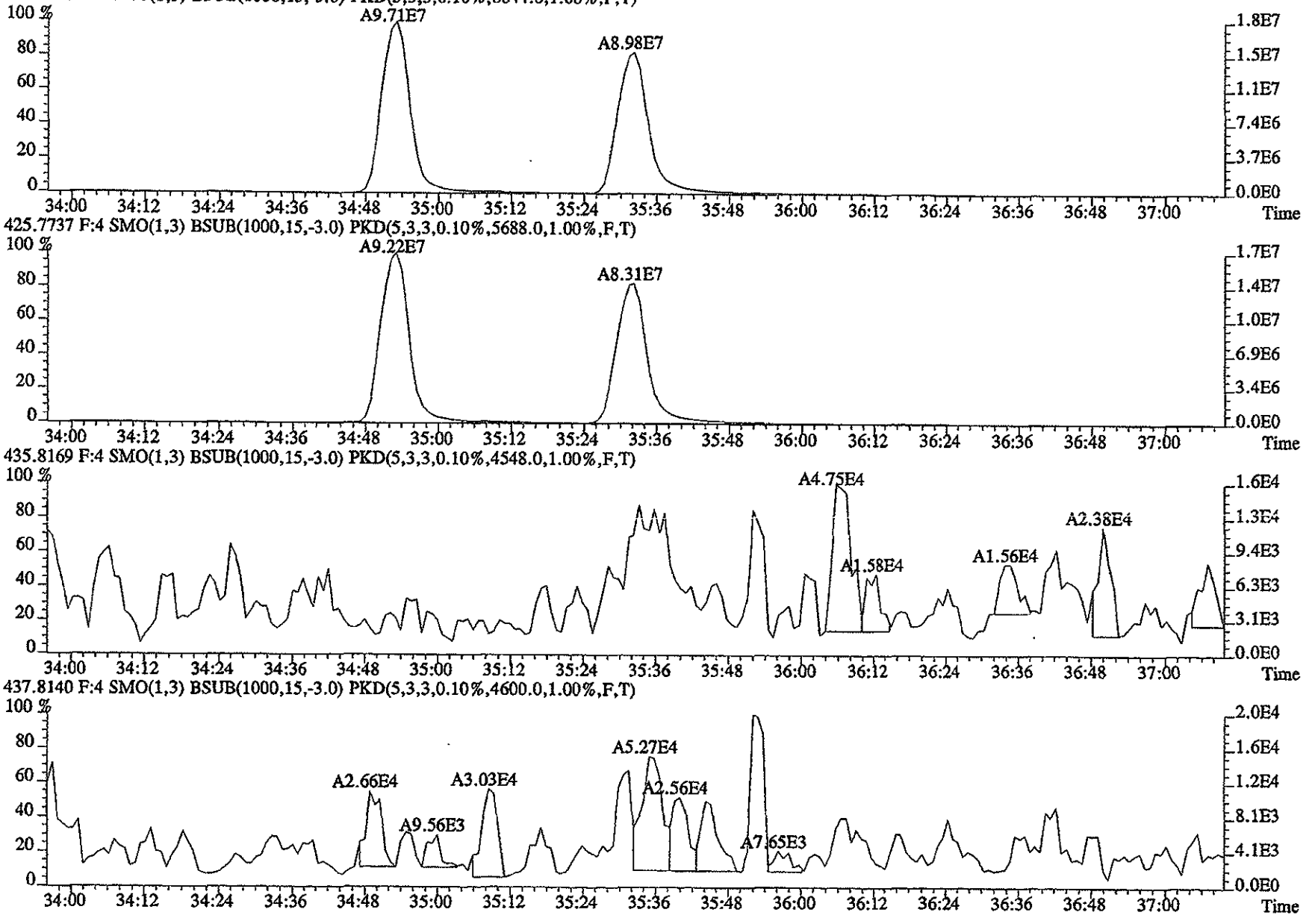
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN



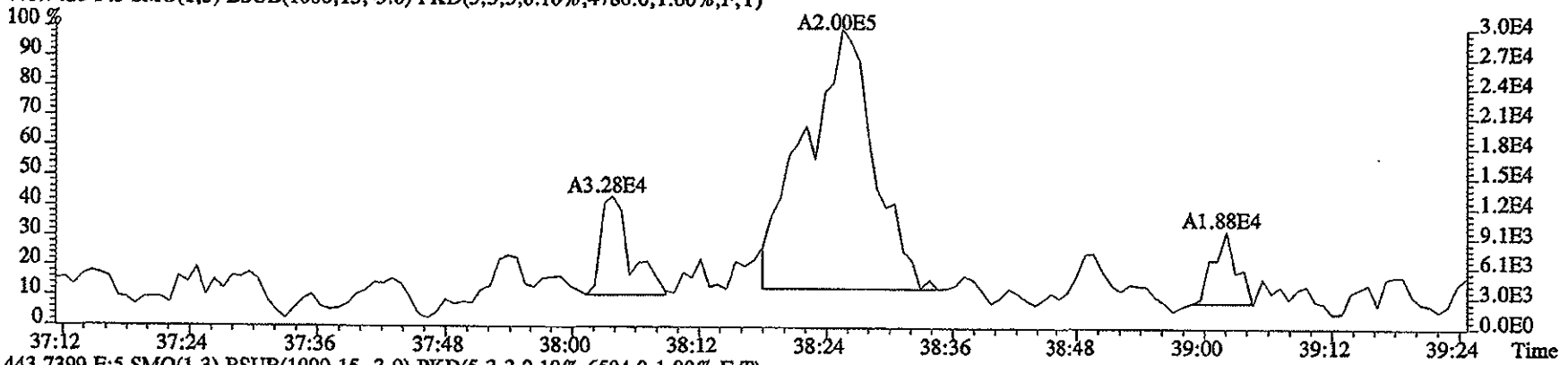
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN



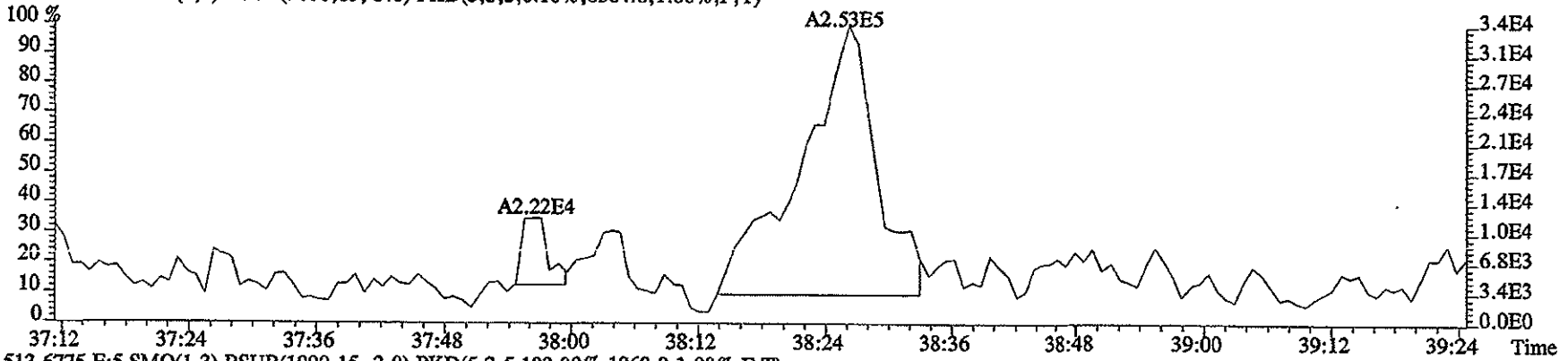
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN



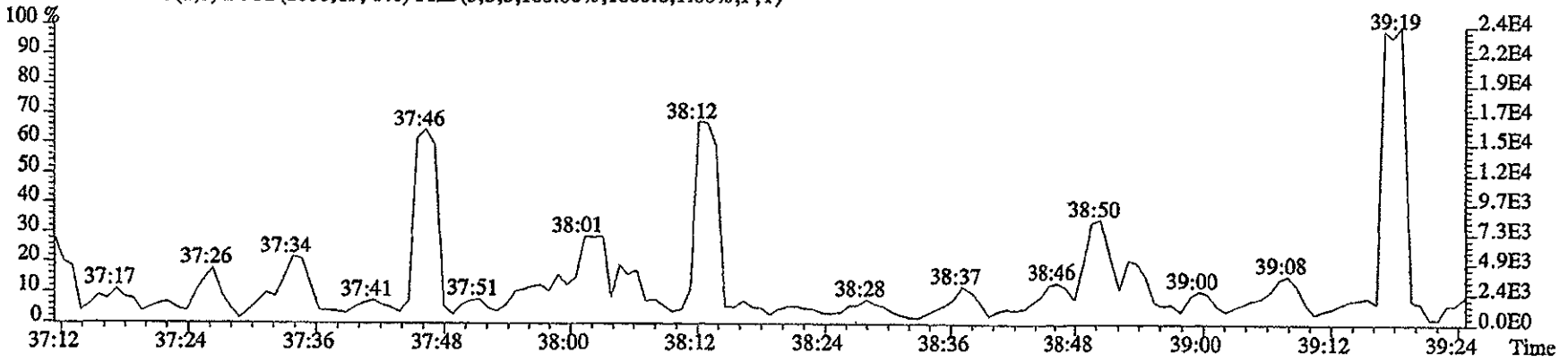
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4780.0,1.00%,F,T)



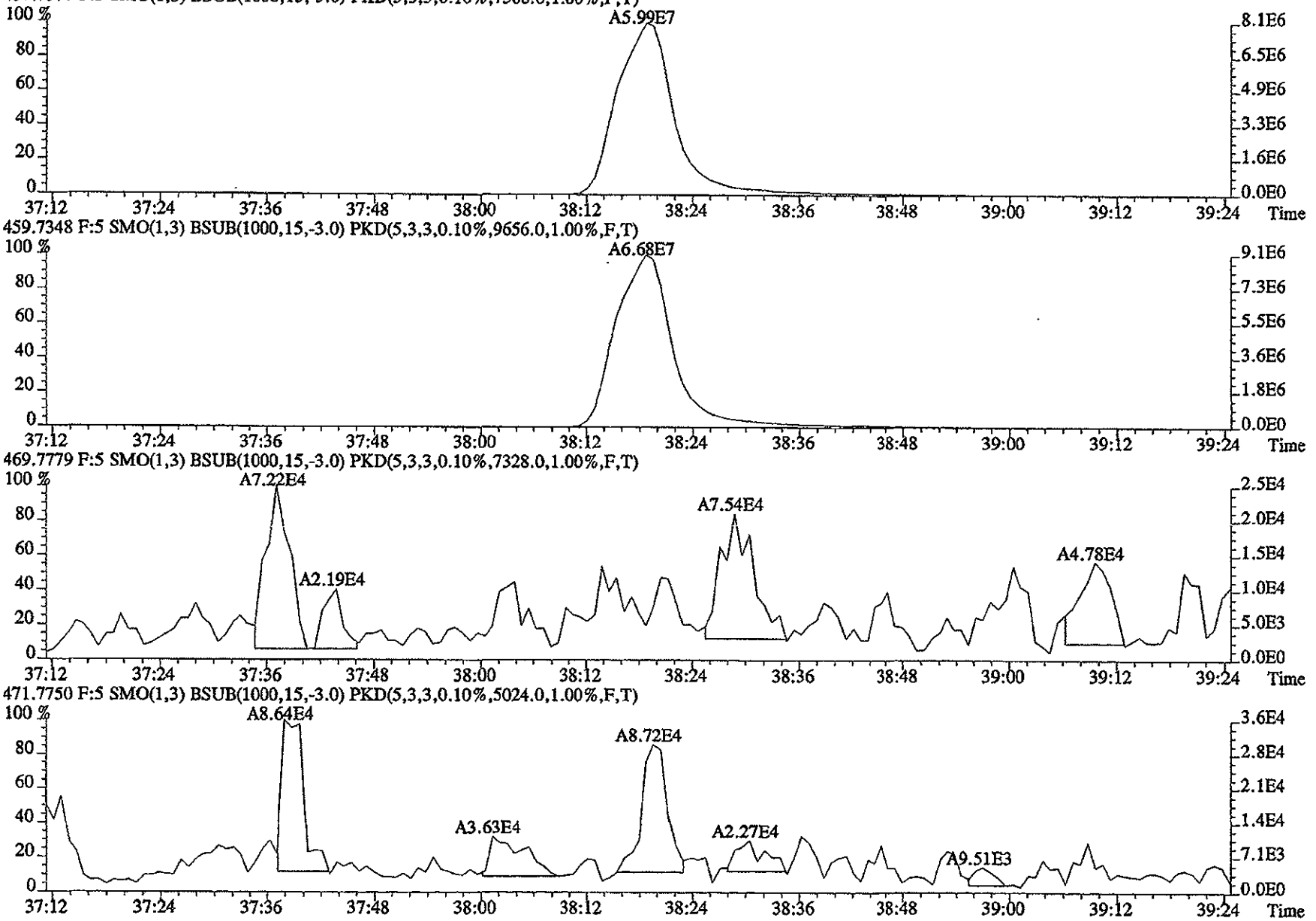
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6504.0,1.00%,F,T)



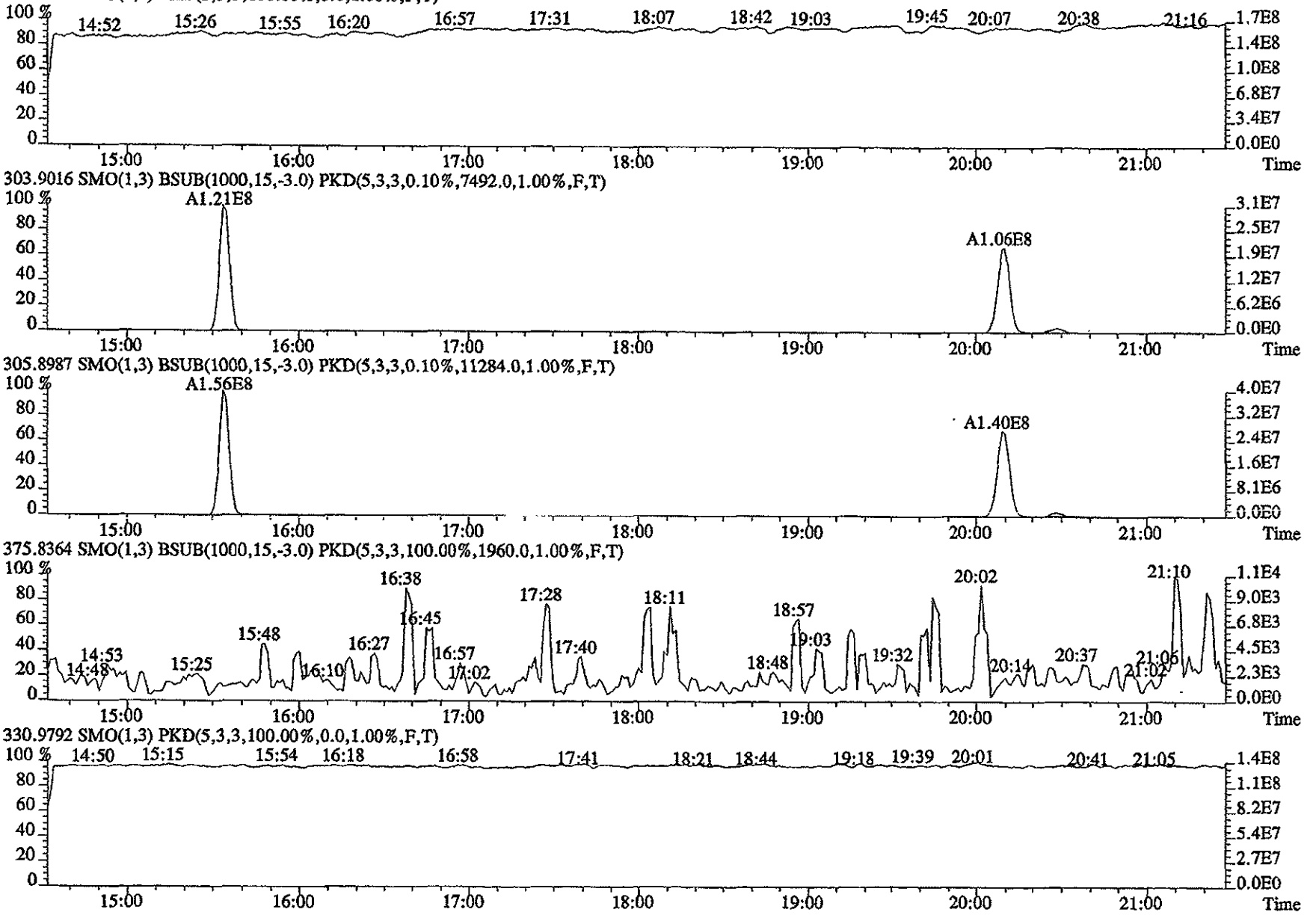
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1860.0,1.00%,F,T)



File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

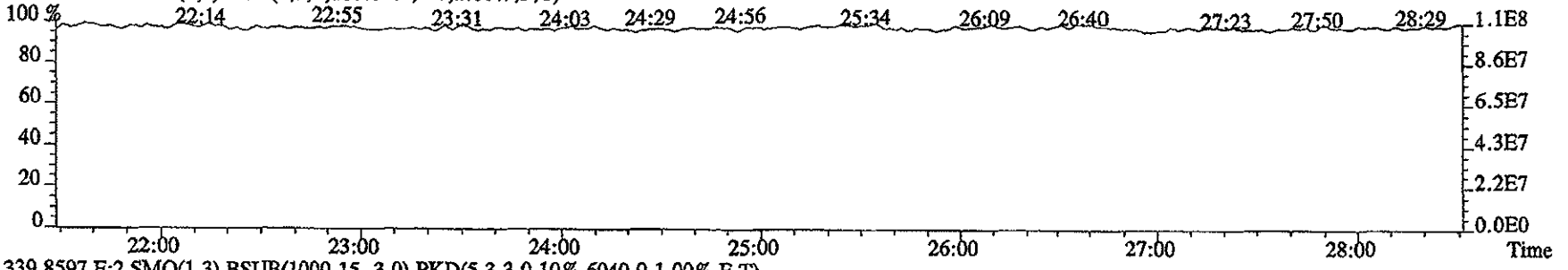


File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

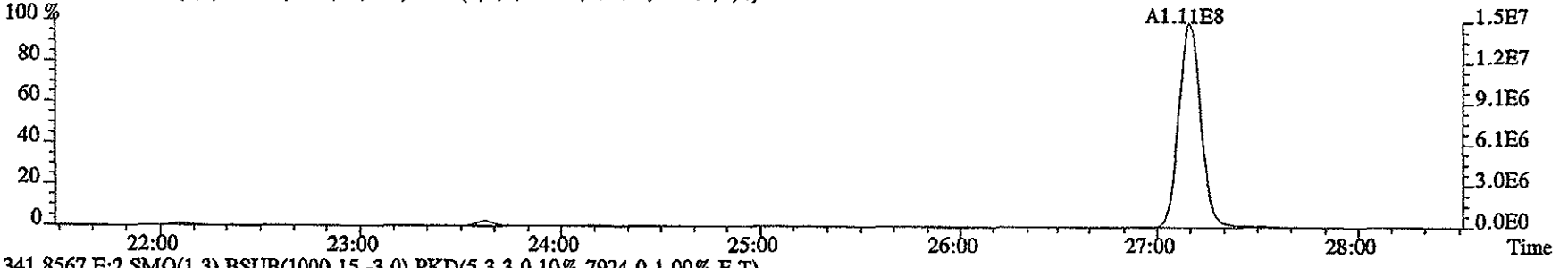


File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN

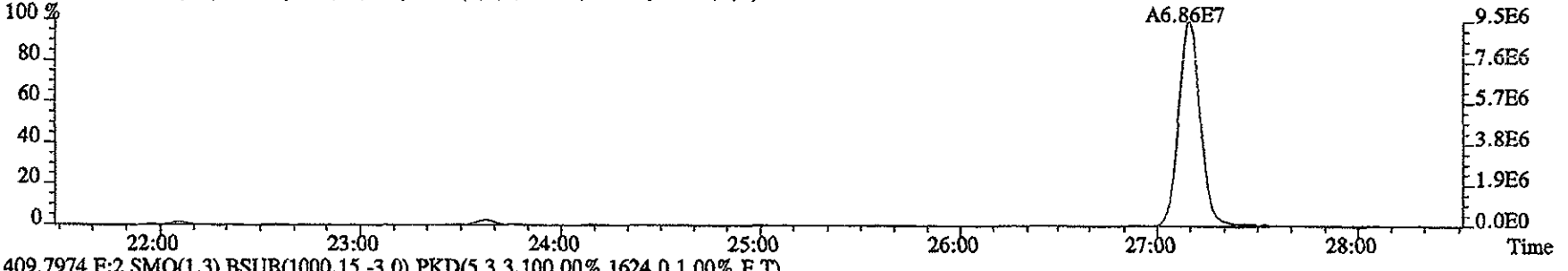
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



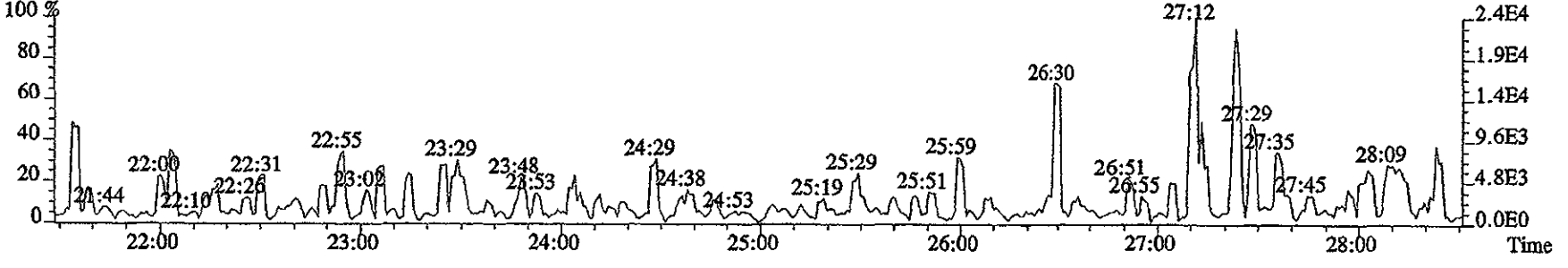
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6040.0,1.00%,F,T)

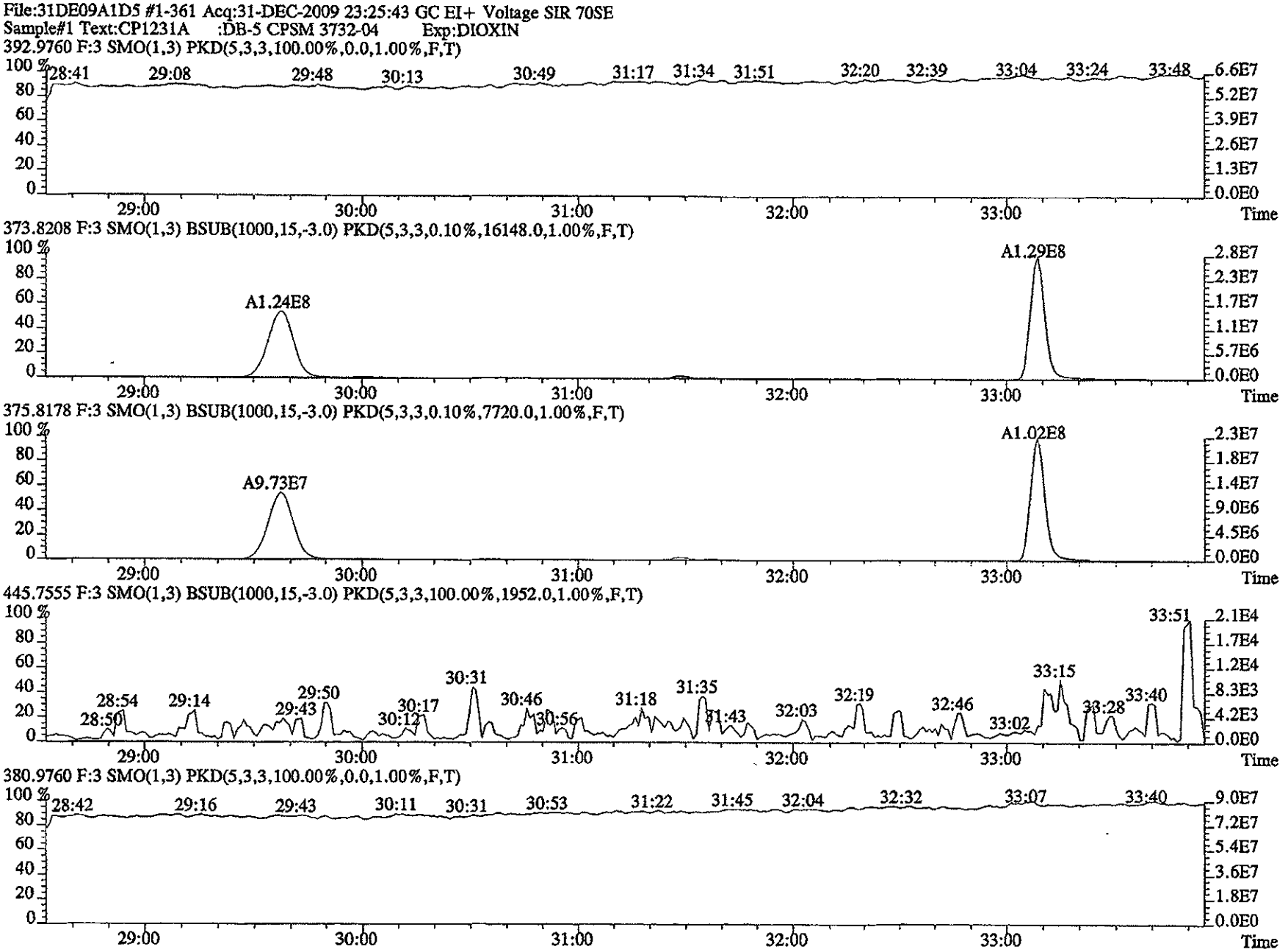


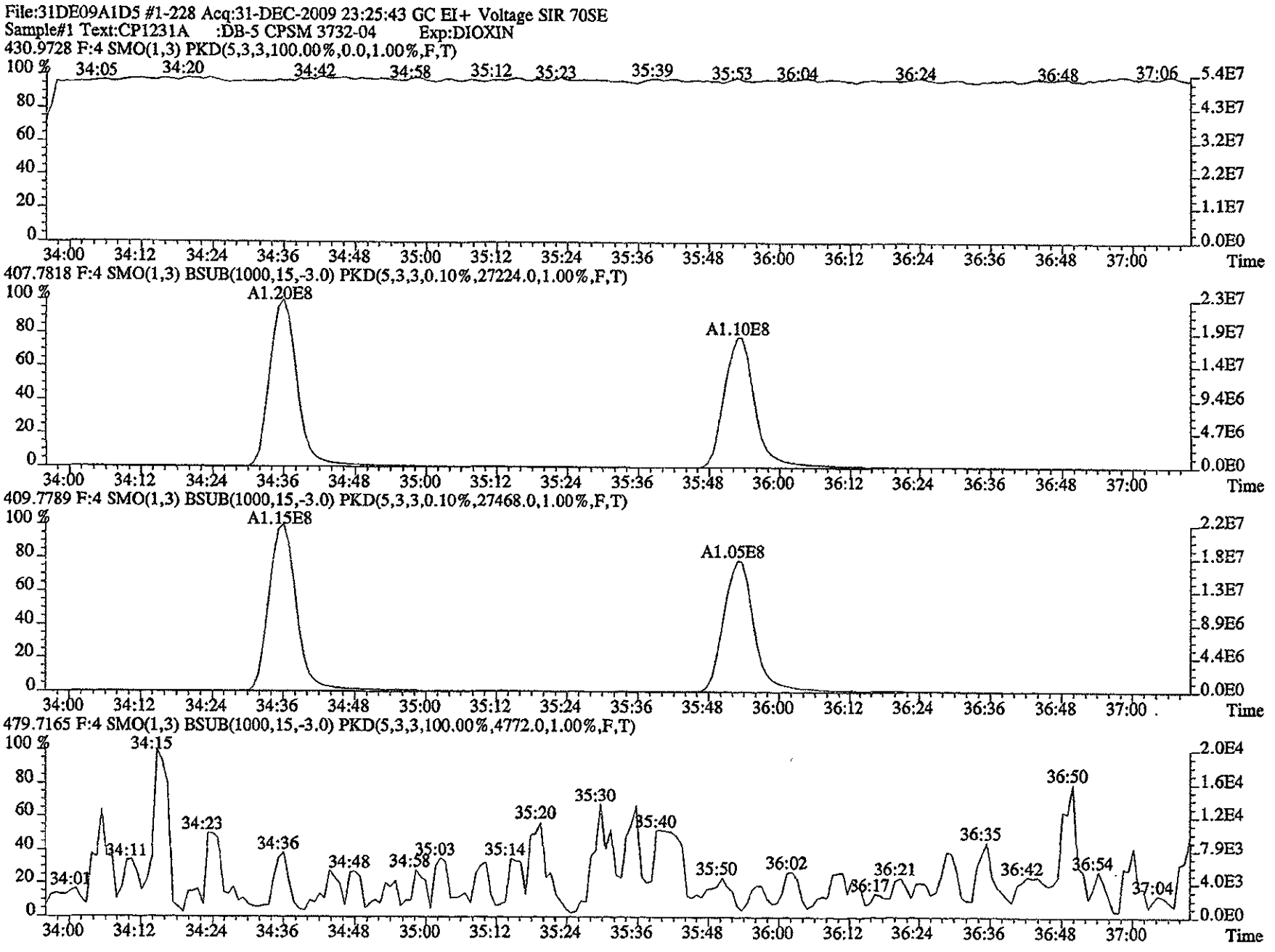
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7924.0,1.00%,F,T)



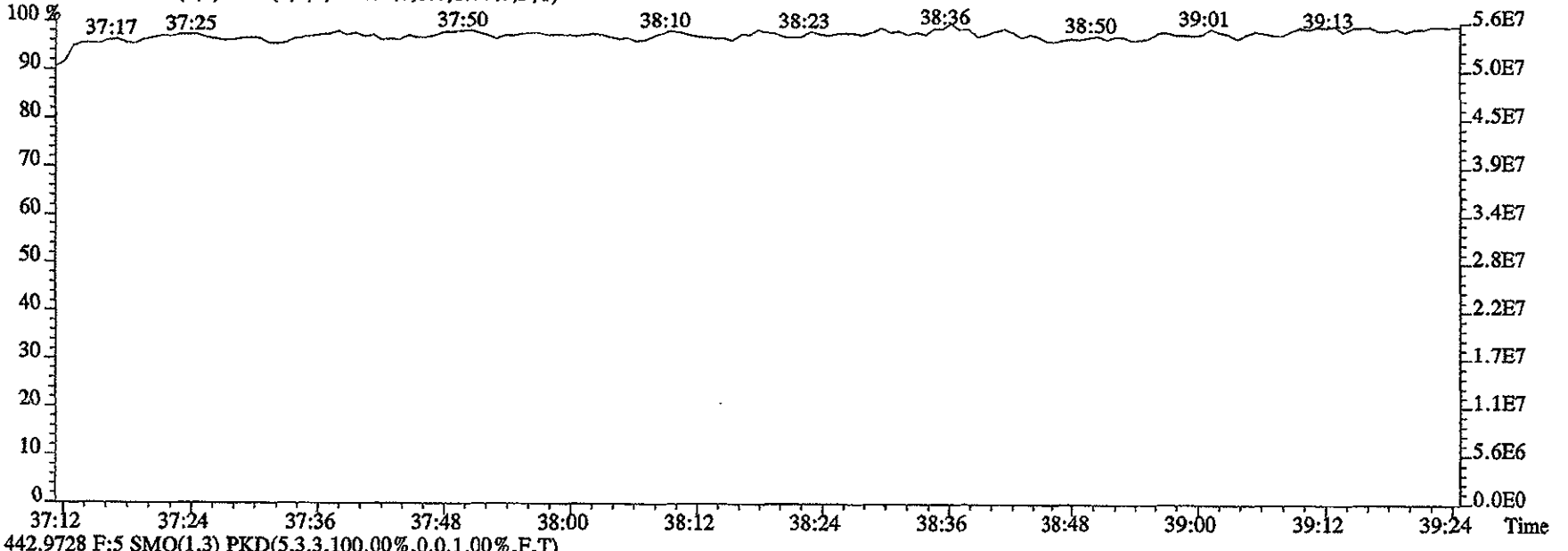
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1624.0,1.00%,F,T)



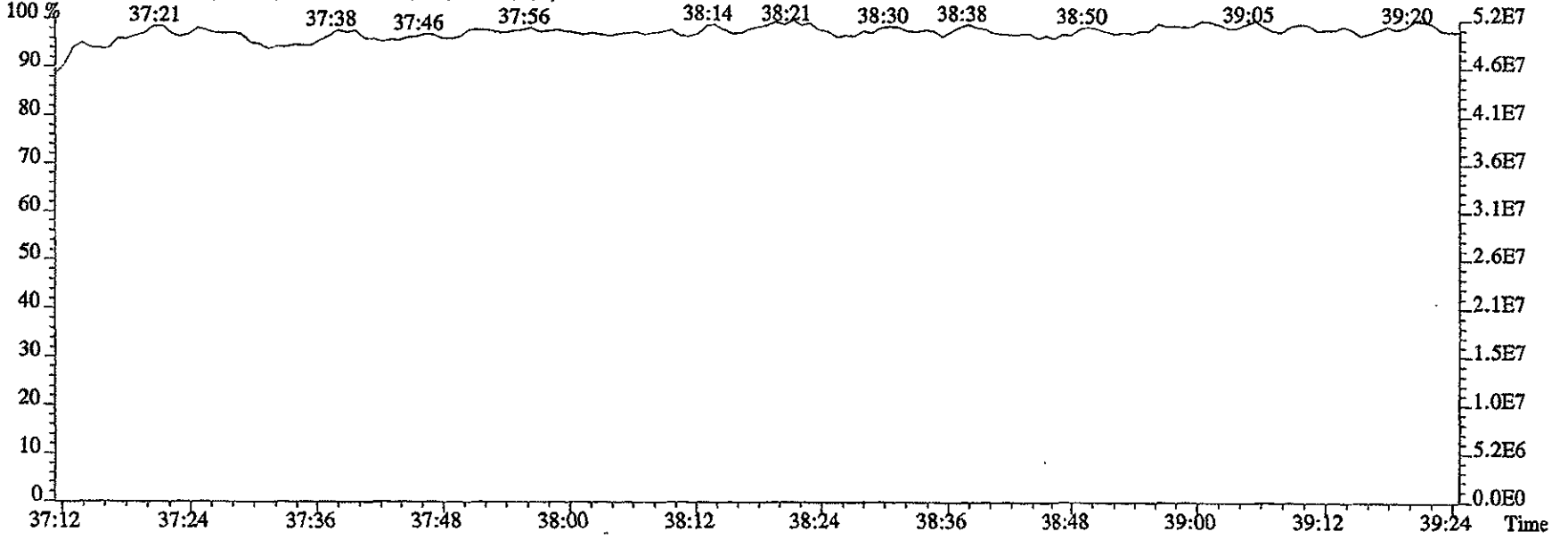




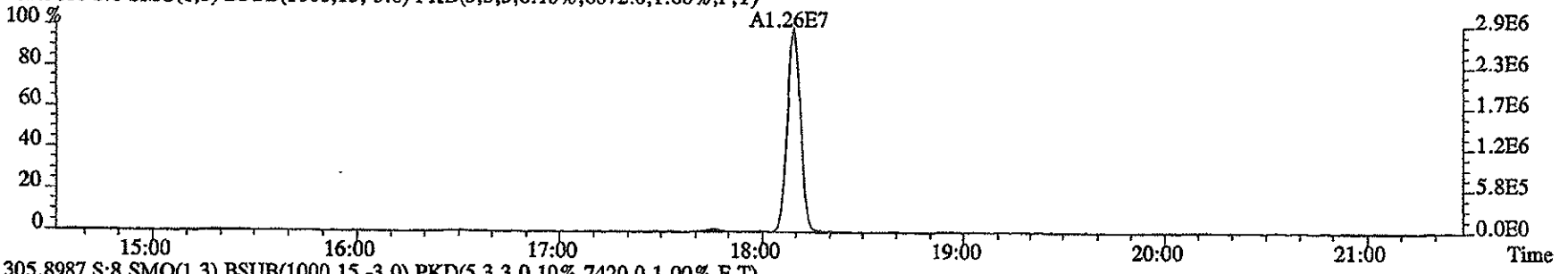
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



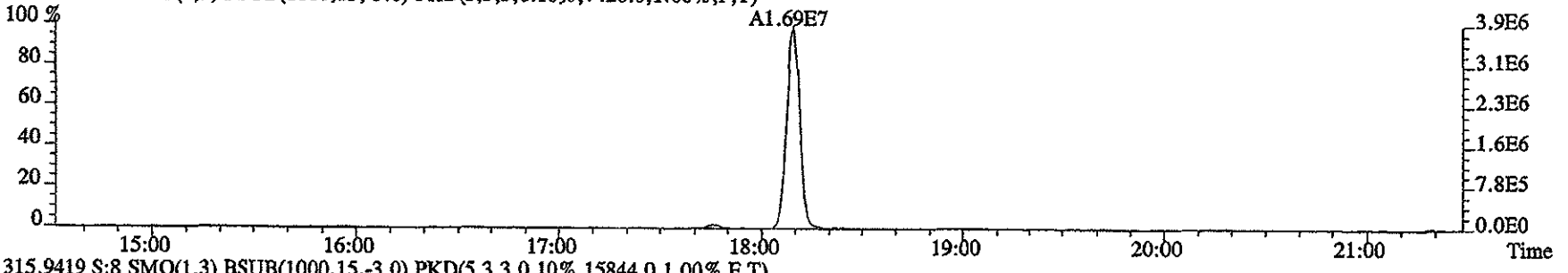
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



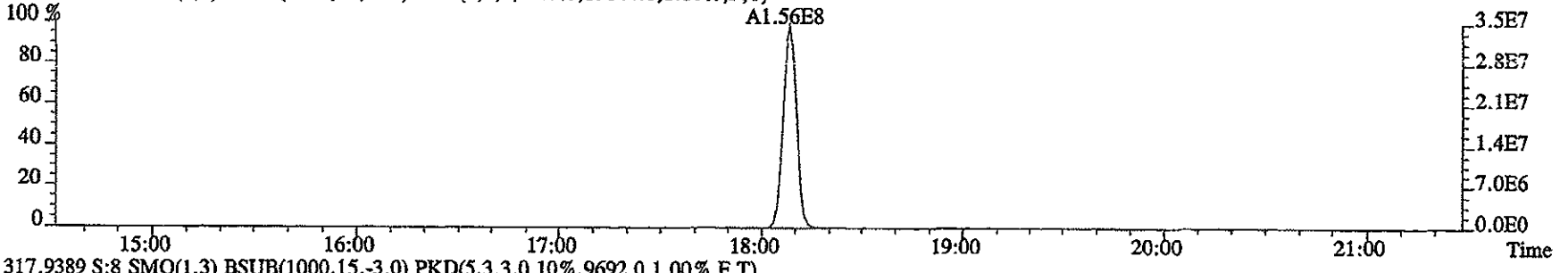
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6072.0,1.00%,F,T)



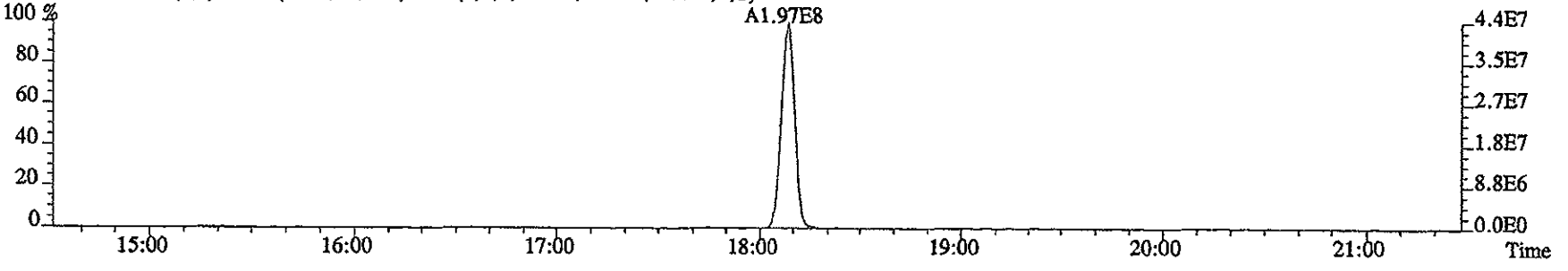
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7420.0,1.00%,F,T)



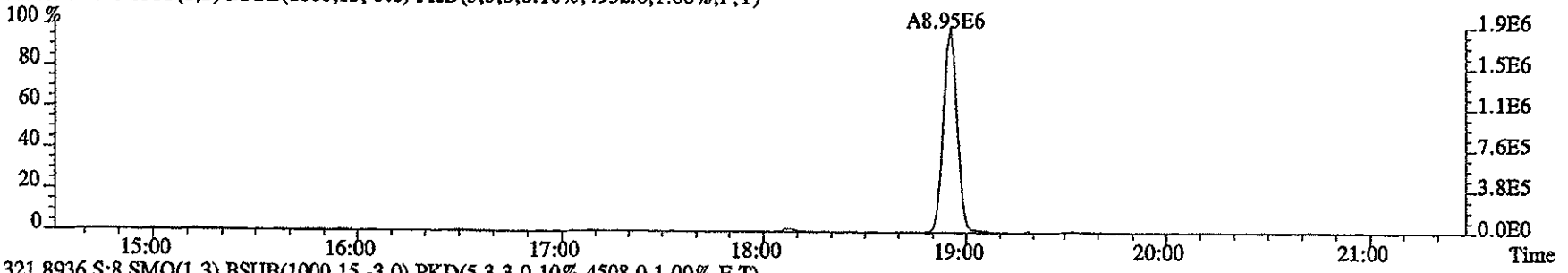
315.9419 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15844.0,1.00%,F,T)



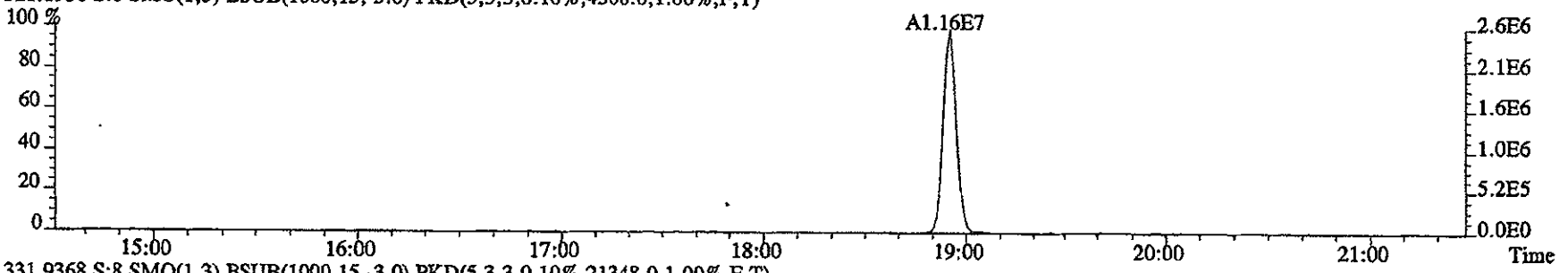
317.9389 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9692.0,1.00%,F,T)



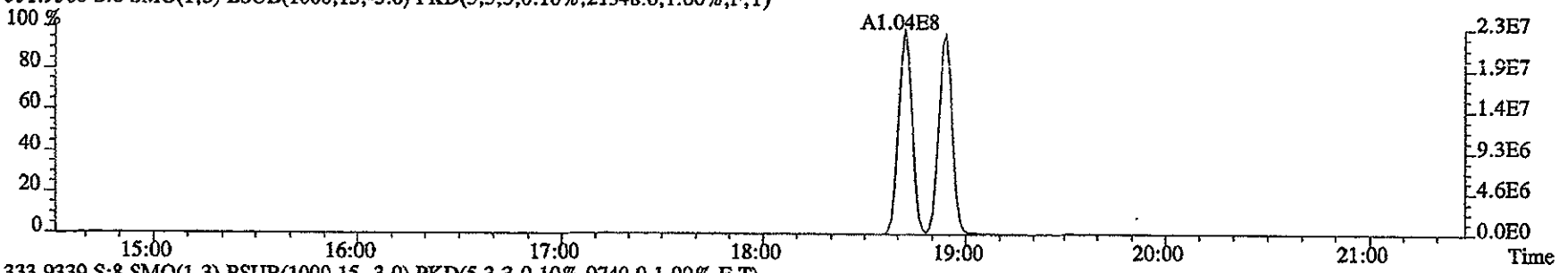
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4932.0,1.00%,F,T)



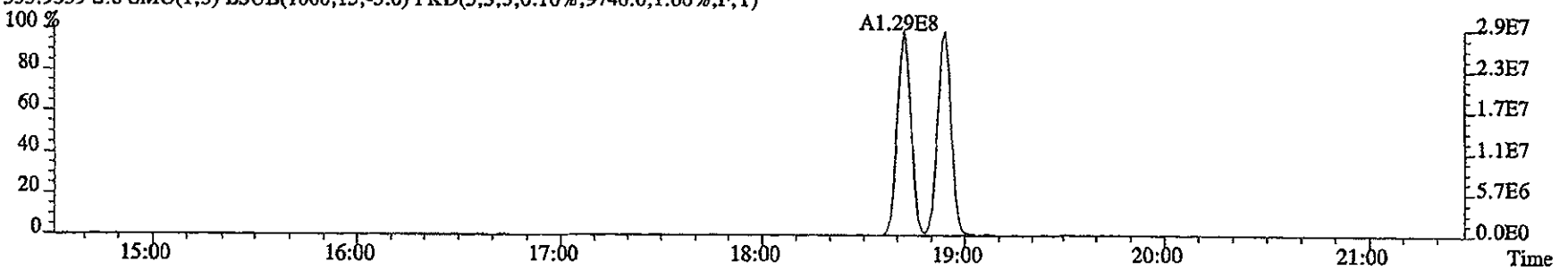
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)



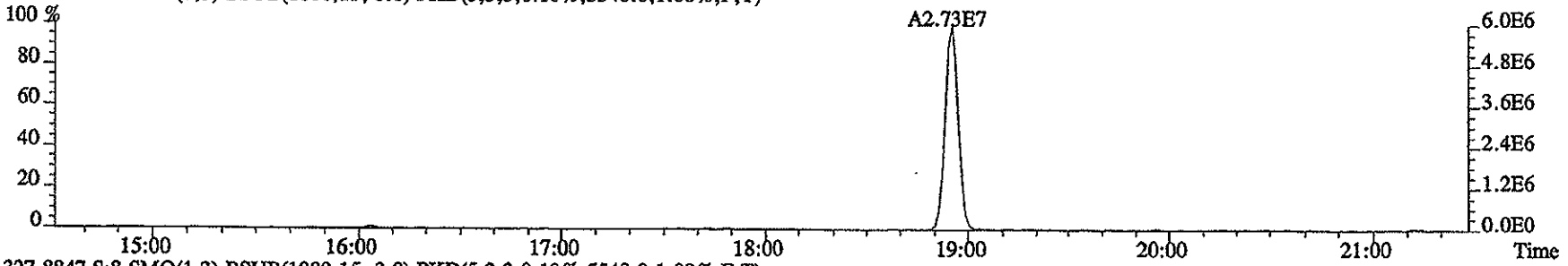
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21348.0,1.00%,F,T)



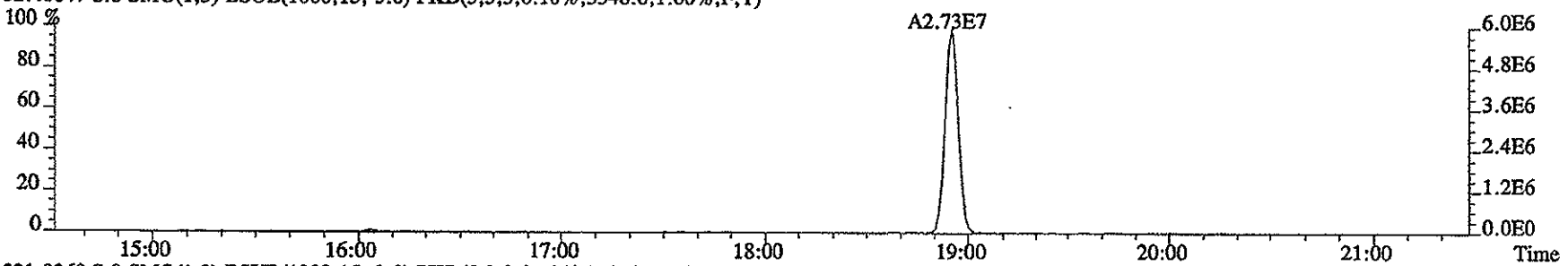
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9740.0,1.00%,F,T)



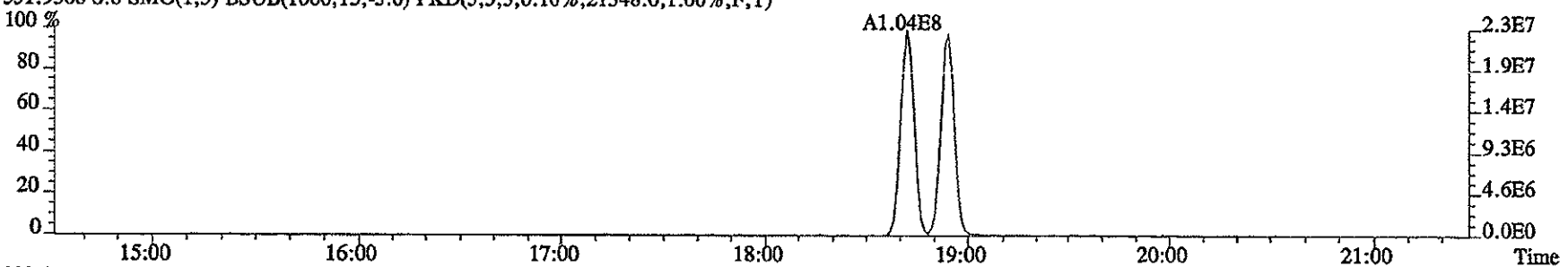
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



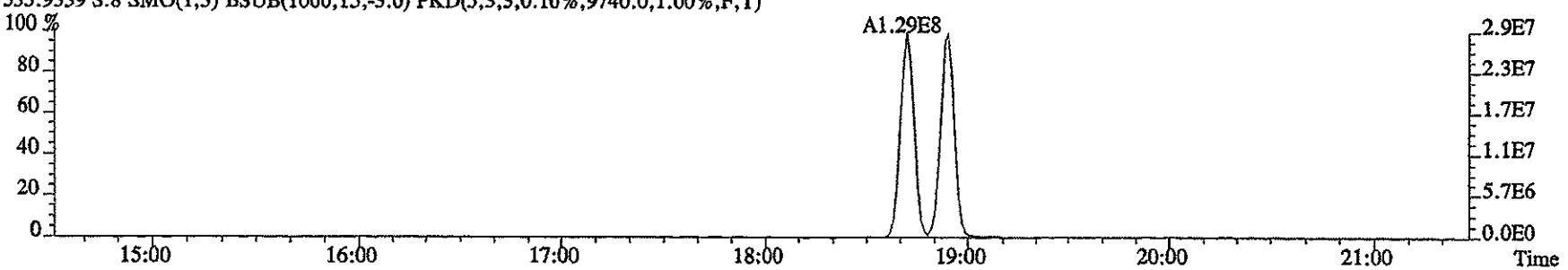
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5548.0,1.00%,F,T)



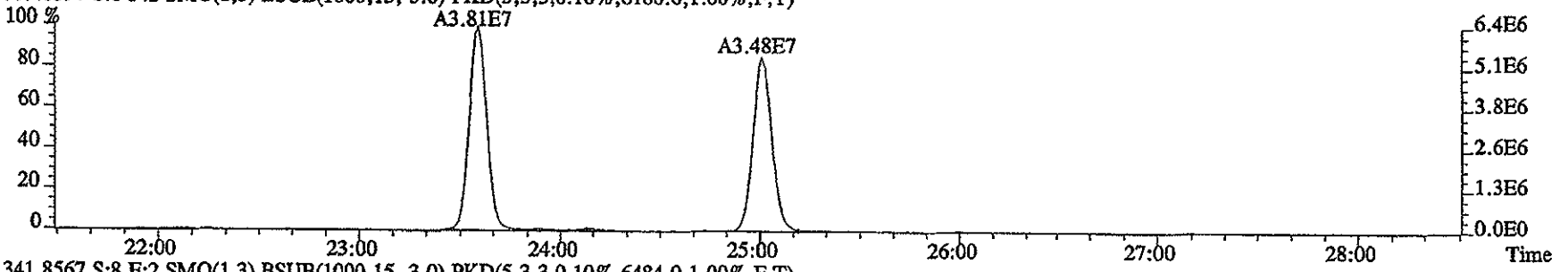
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21348.0,1.00%,F,T)



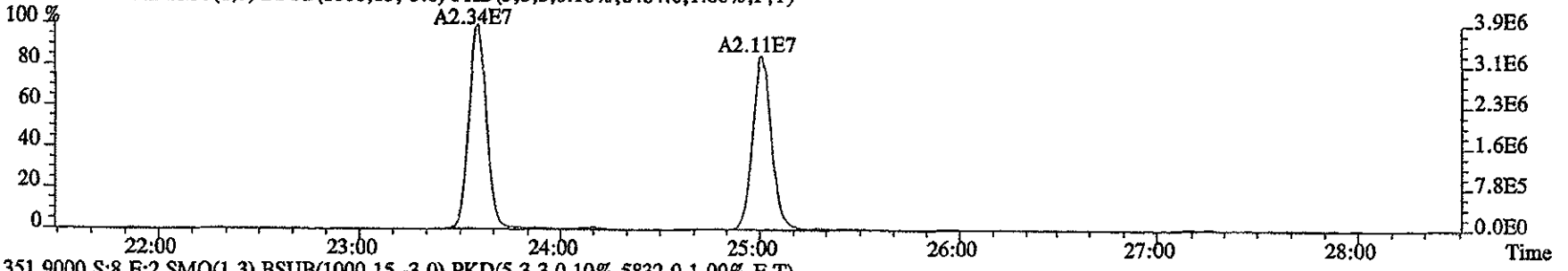
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9740.0,1.00%,F,T)



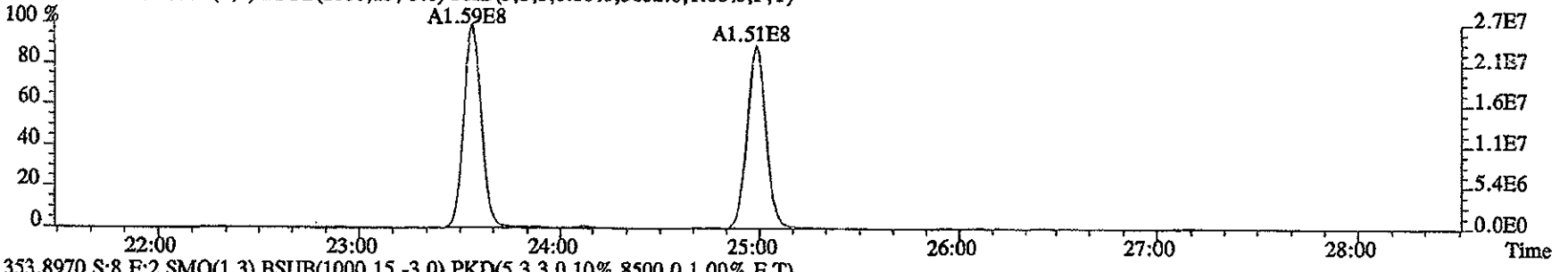
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6180.0,1.00%,F,T)



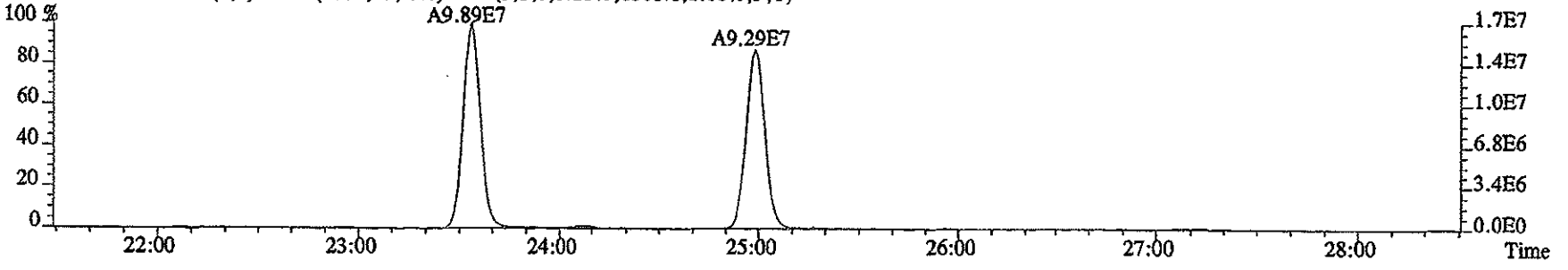
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)



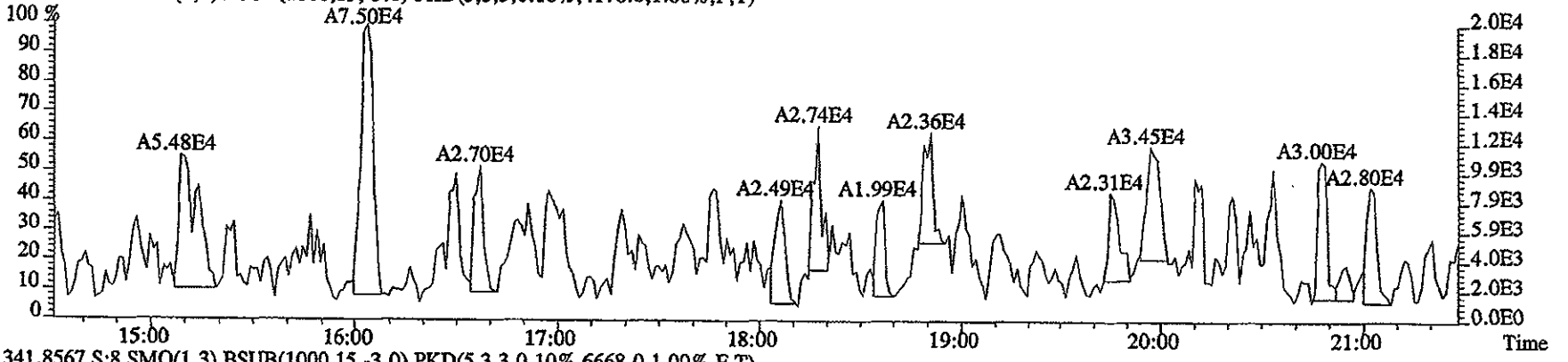
351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5832.0,1.00%,F,T)



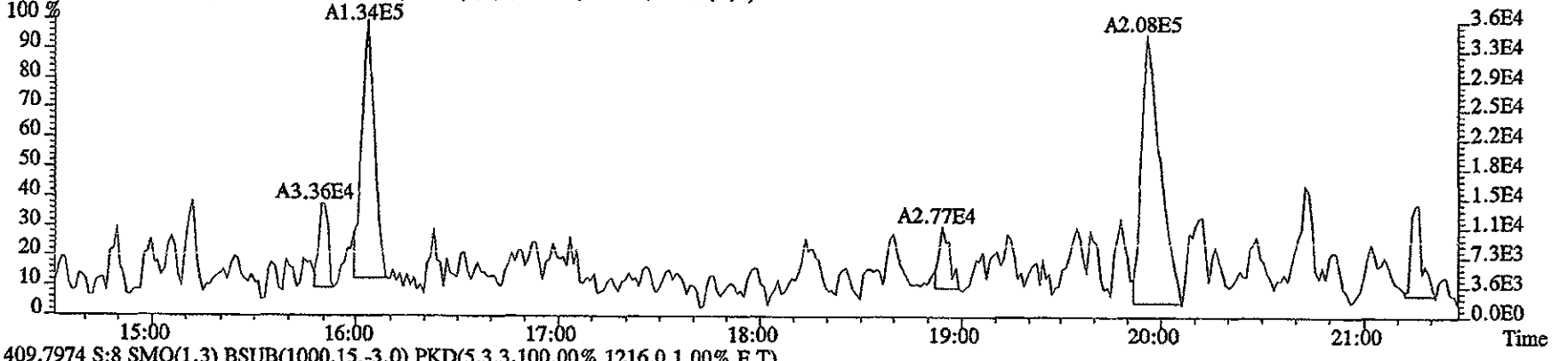
353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8500.0,1.00%,F,T)



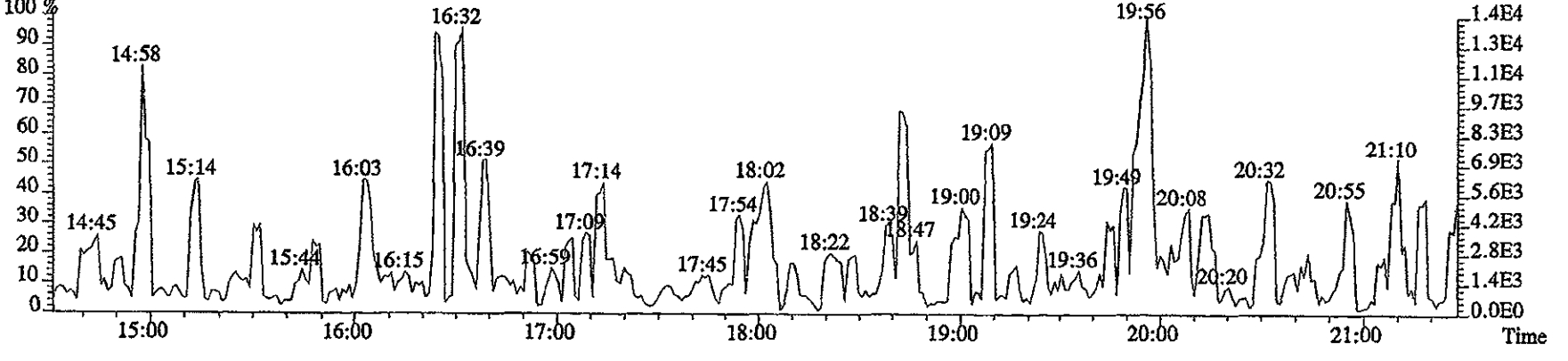
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)



341.8567 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6668.0,1.00%,F,T)

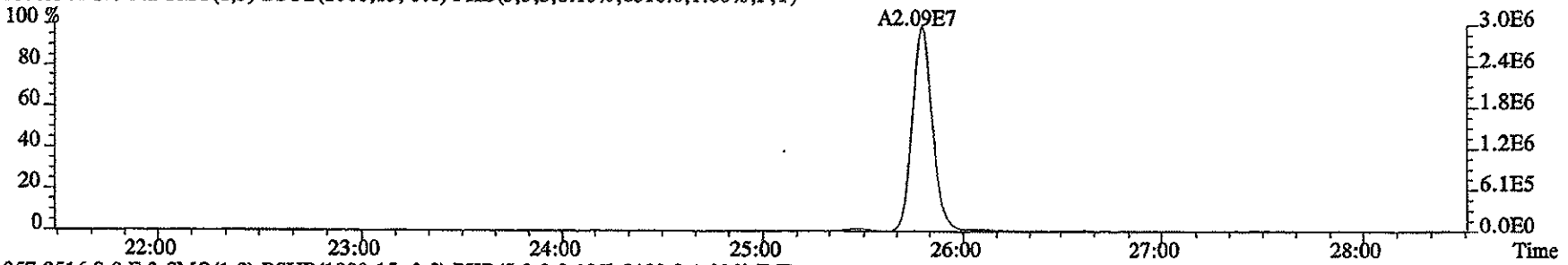


409.7974 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1216.0,1.00%,F,T)

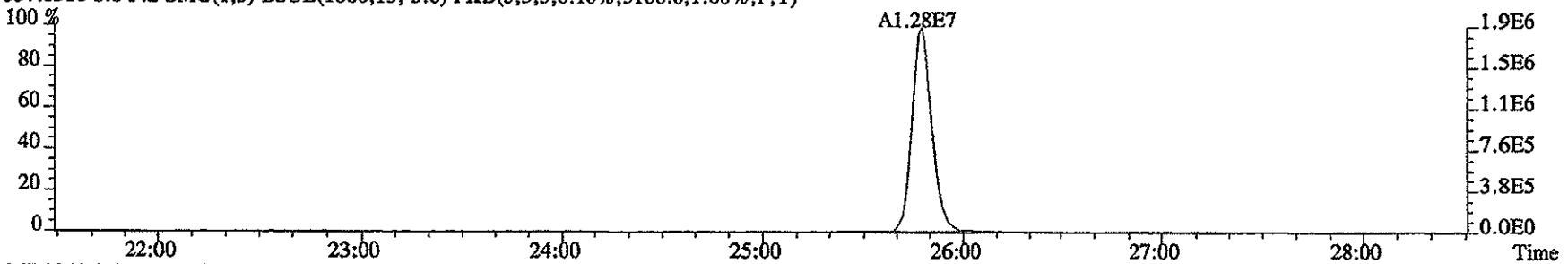


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

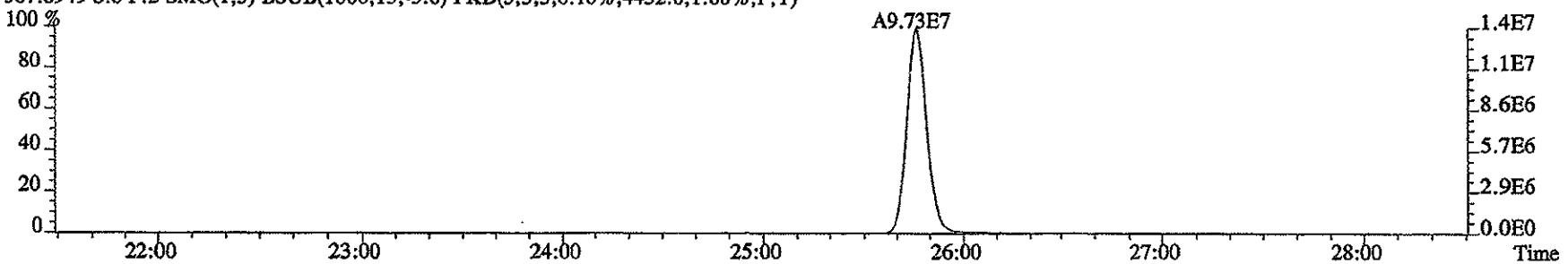
355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6516.0,1.00%,F,T)



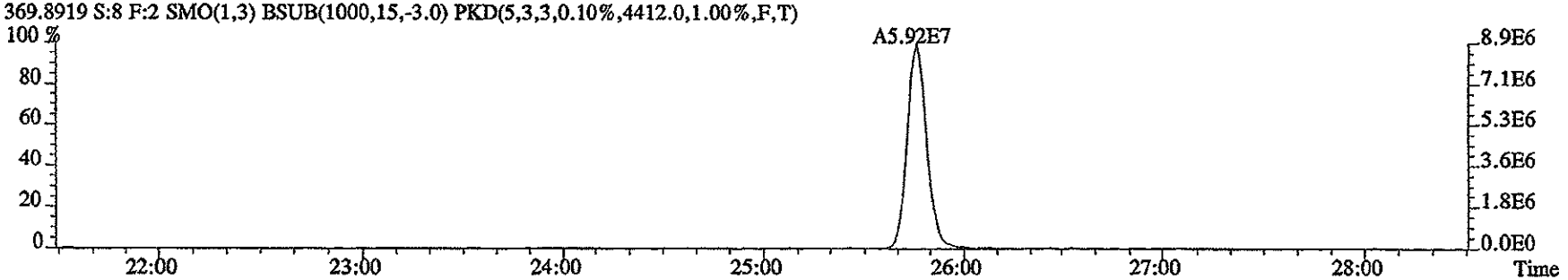
357.8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3108.0,1.00%,F,T)



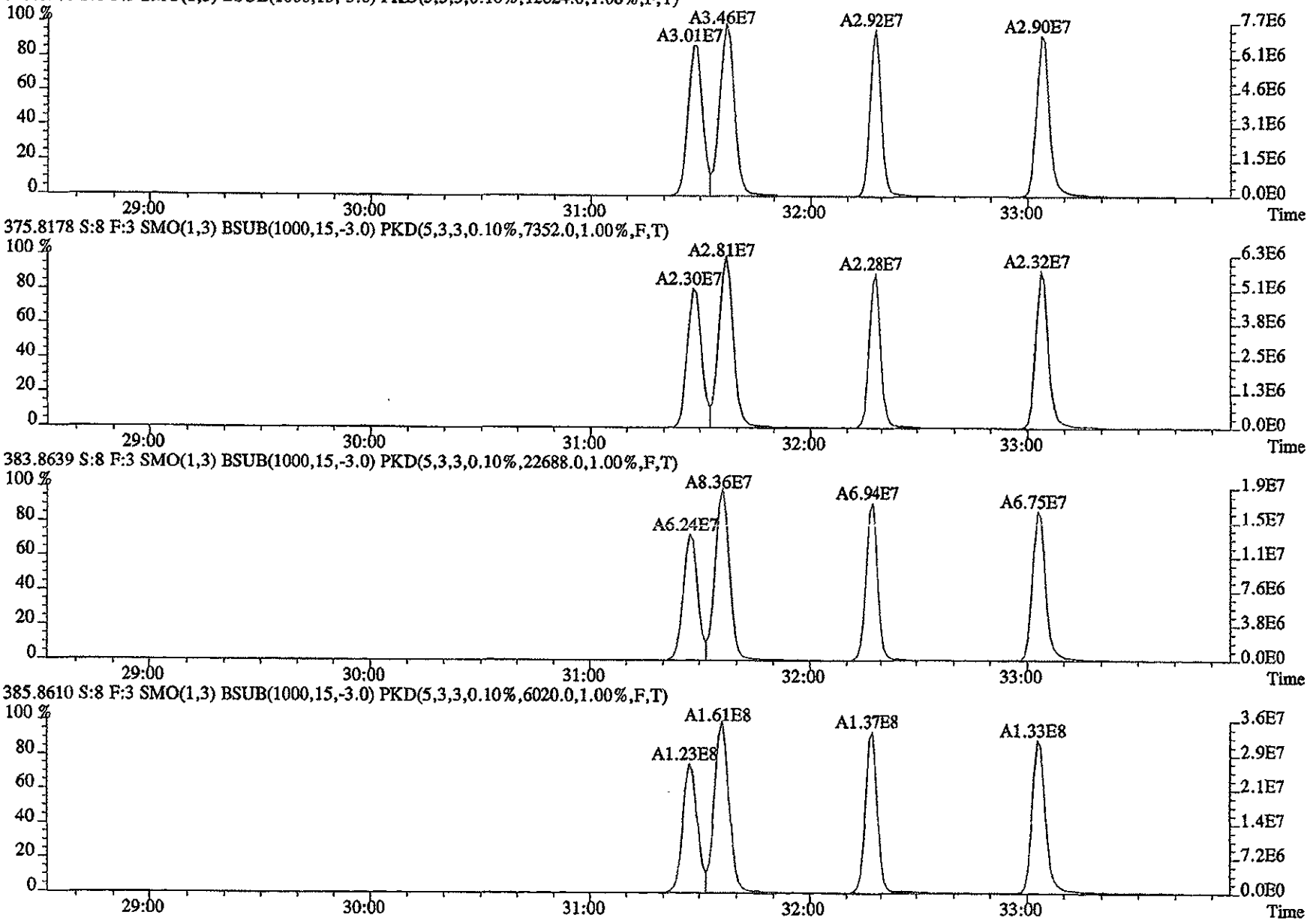
367.8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4432.0,1.00%,F,T)



369.8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4412.0,1.00%,F,T)

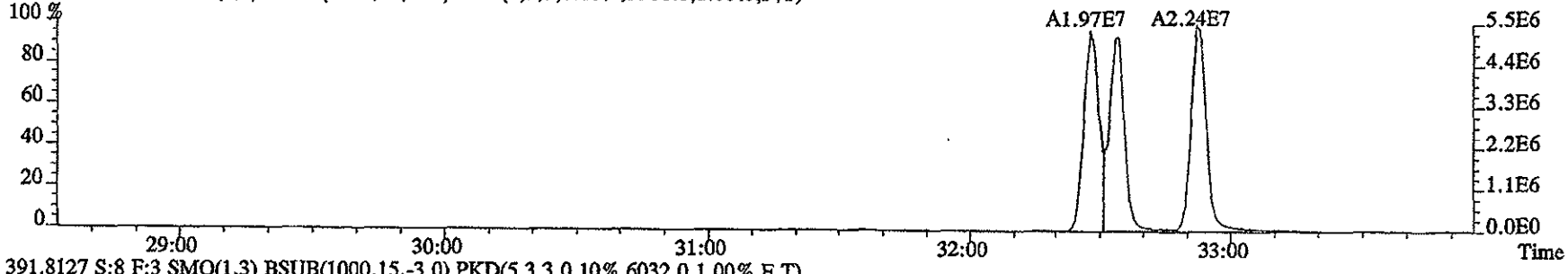


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

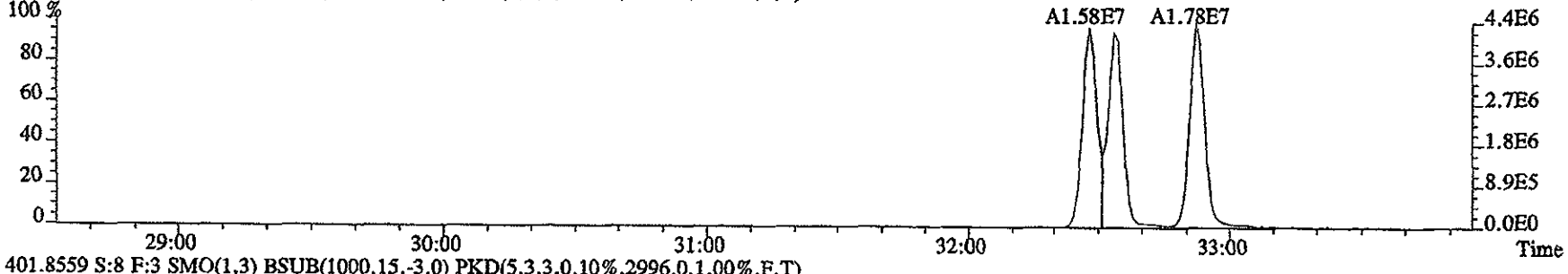


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

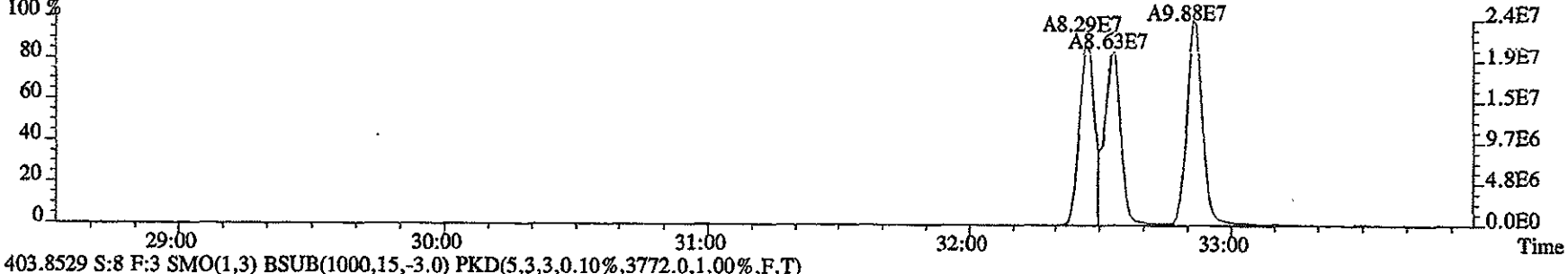
389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3308.0,1.00%,F,T)



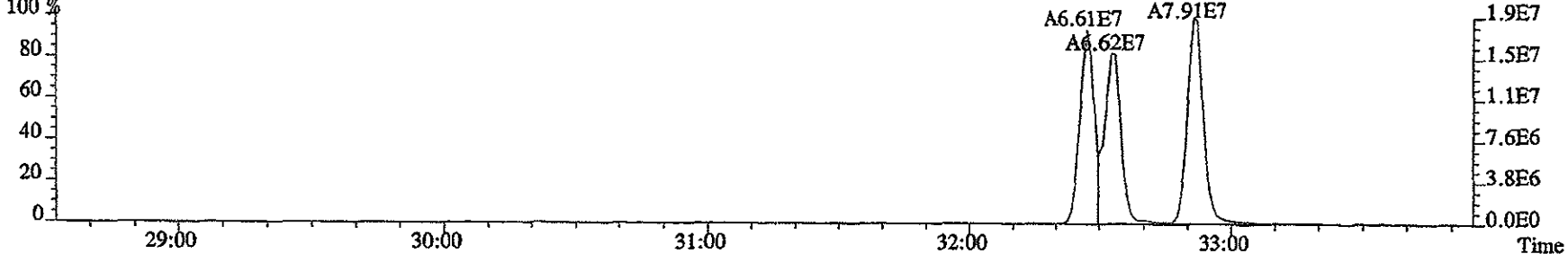
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6032.0,1.00%,F,T)

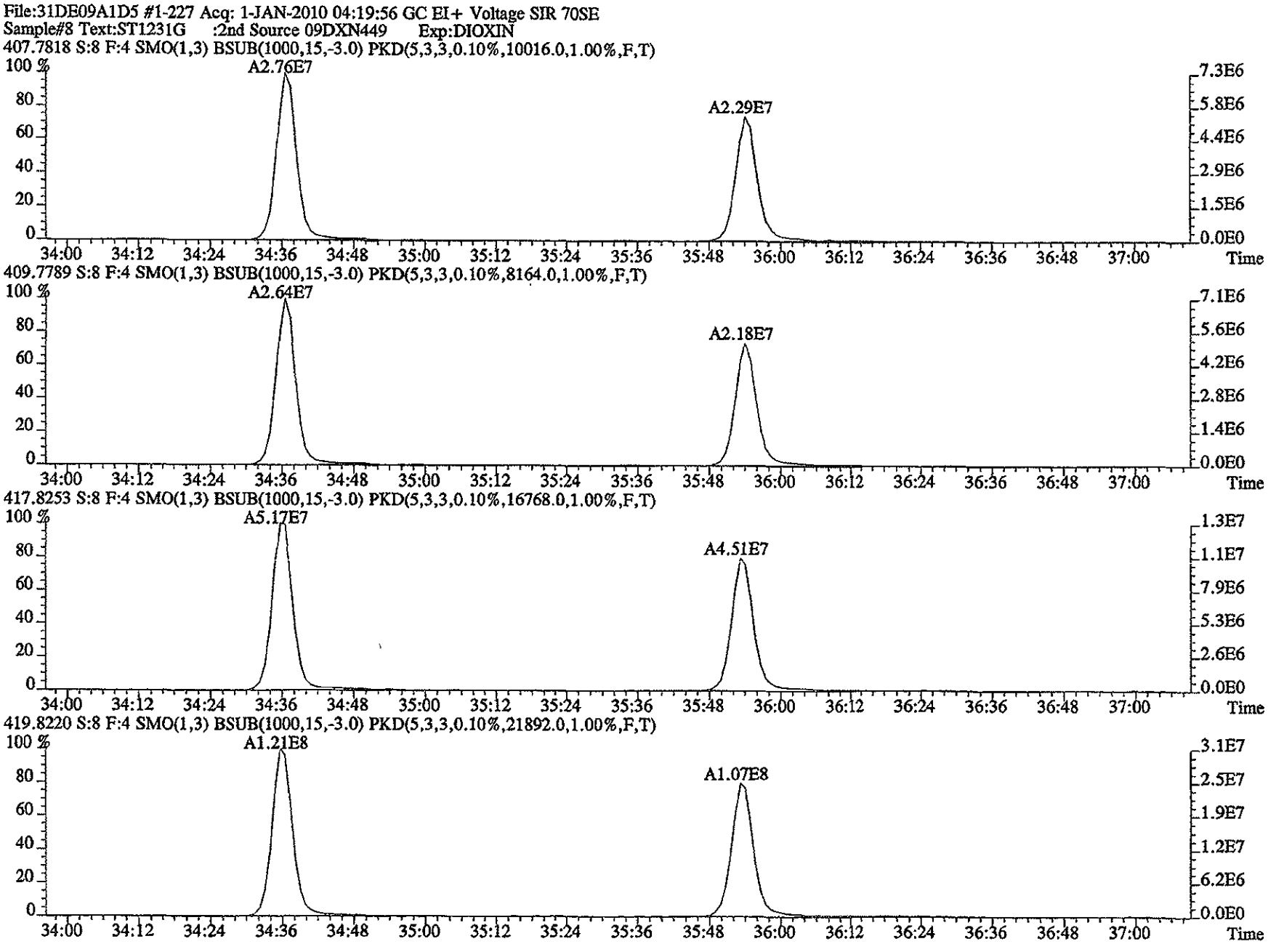


401.8559 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2996.0,1.00%,F,T)



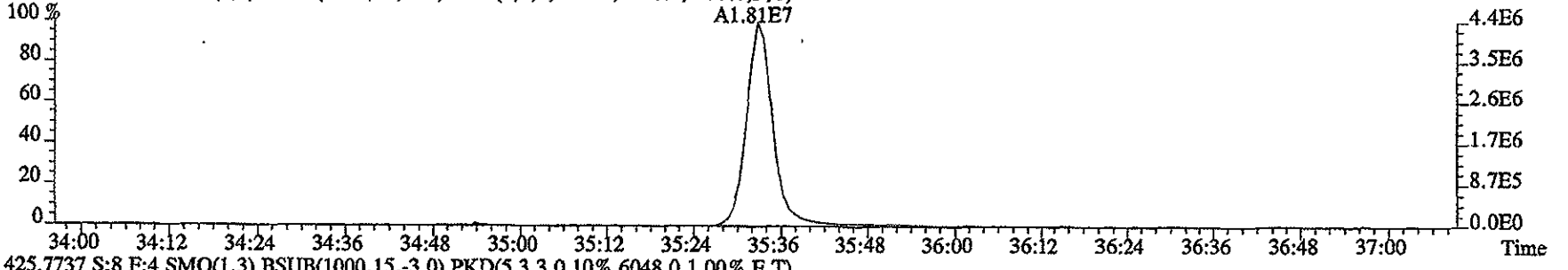
403.8529 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



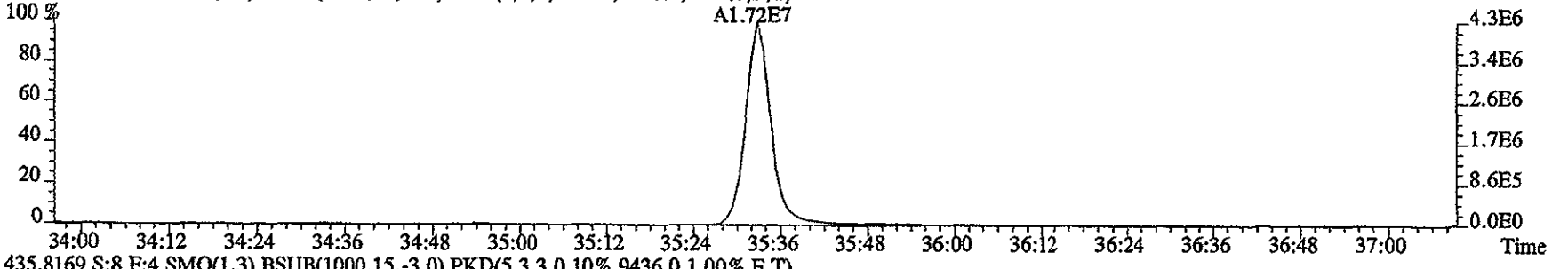

File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10016.0,1.00%,F,T)
A2.76E7
A2.29E7
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8164.0,1.00%,F,T)
A2.64E7
A2.18E7
417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16768.0,1.00%,F,T)
A5.17E7
A4.51E7
419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21892.0,1.00%,F,T)
A1.21E8
A1.07E8
100 %
80
60
40
20
0
34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00
Time
7.3E6 5.8E6 4.4E6 2.9E6 1.5E6 0.0E0
7.1E6 5.6E6 4.2E6 2.8E6 1.4E6 0.0E0
1.3E7 1.1E7 7.9E6 5.3E6 2.6E6 0.0E0
3.1E7 2.5E7 1.9E7 1.2E7 6.2E6 0.0E0

File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

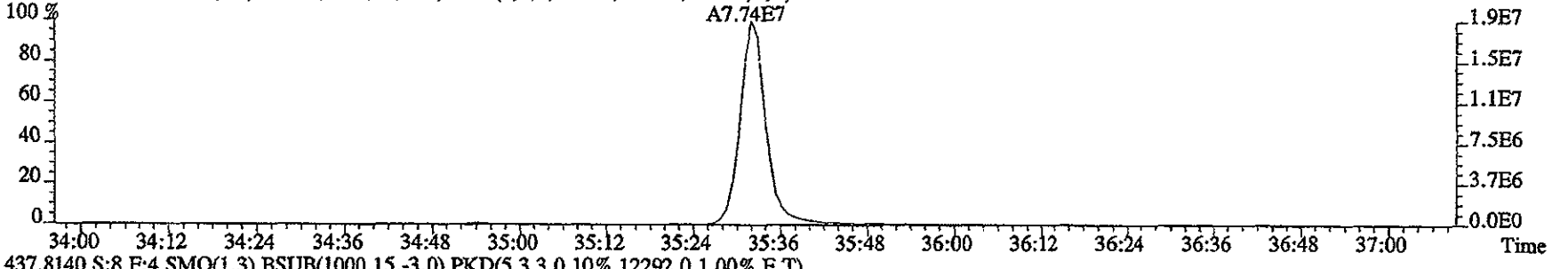
423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7756.0,1.00%,F,T)



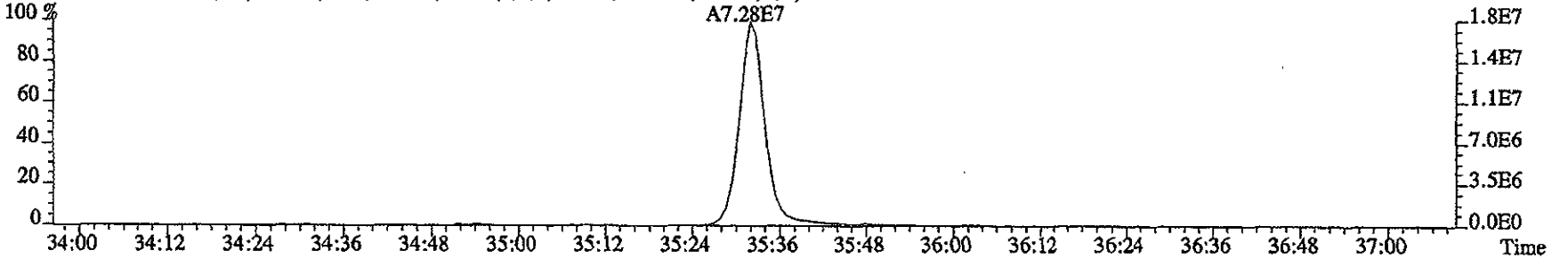
425.7737 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6048.0,1.00%,F,T)



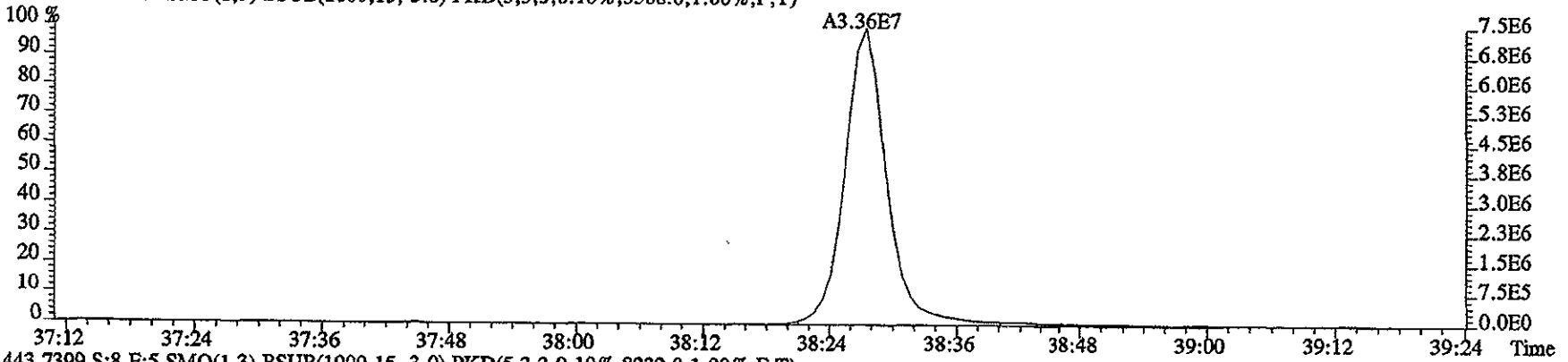
435.8169 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9436.0,1.00%,F,T)



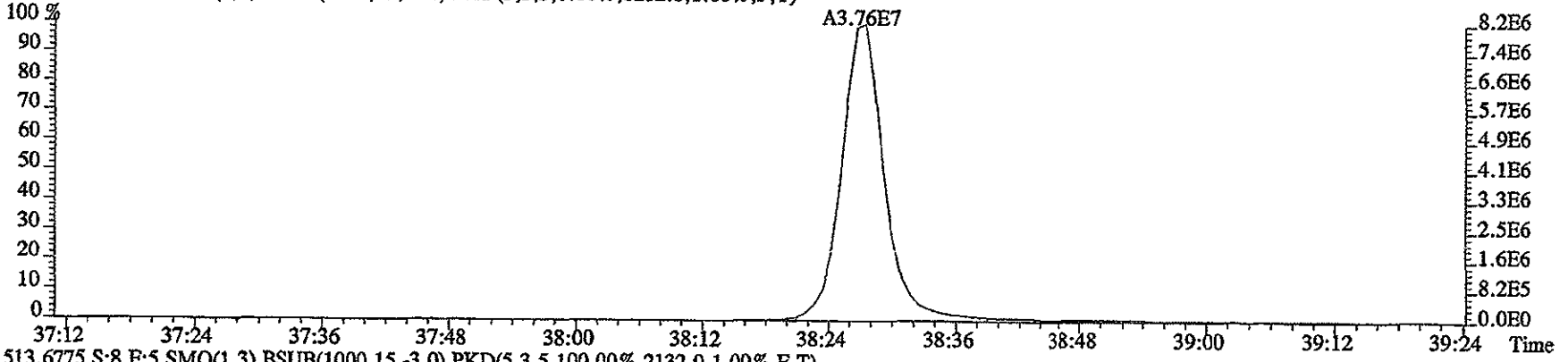
437.8140 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12292.0,1.00%,F,T)



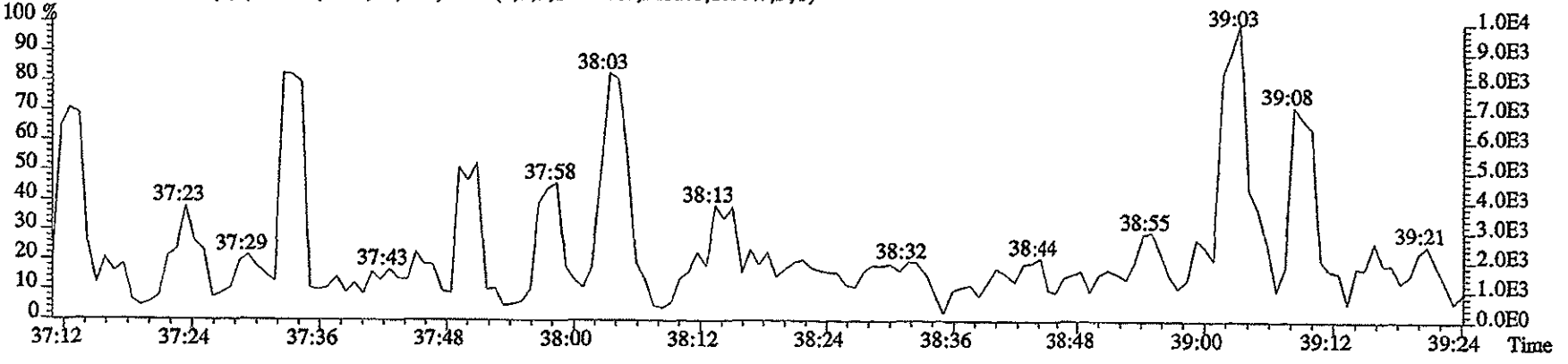
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5508.0,1.00%,F,T)



443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8232.0,1.00%,F,T)

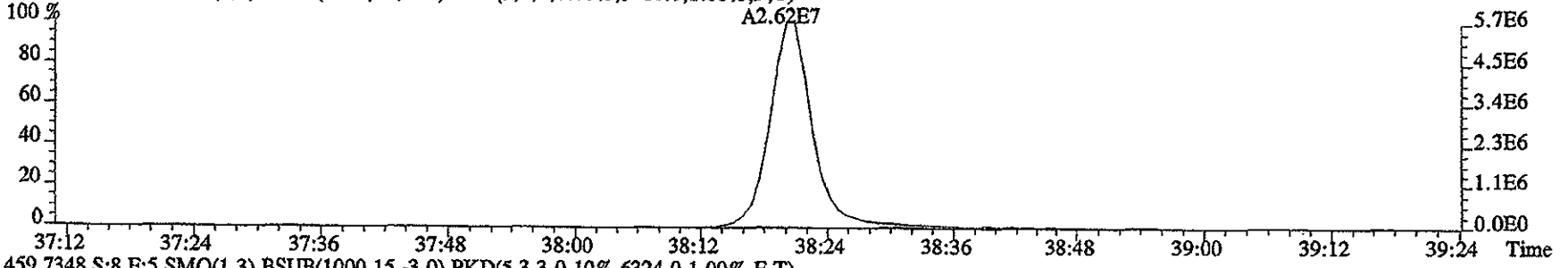


513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2132.0,1.00%,F,T)

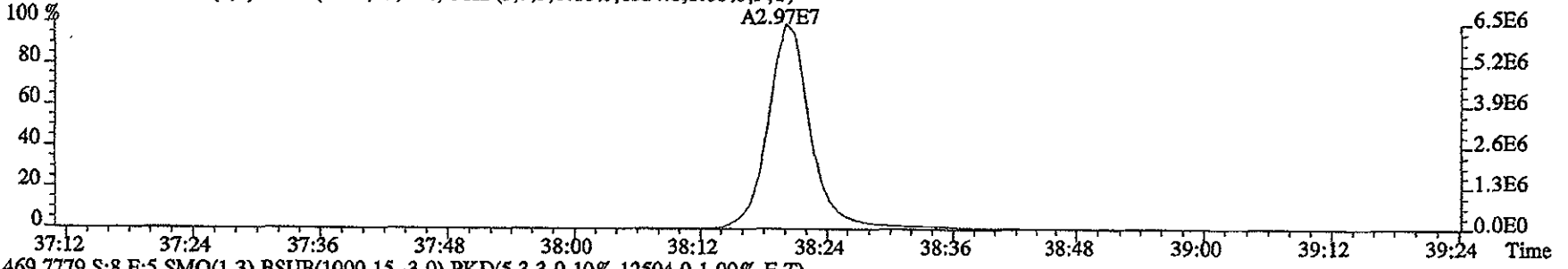


File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

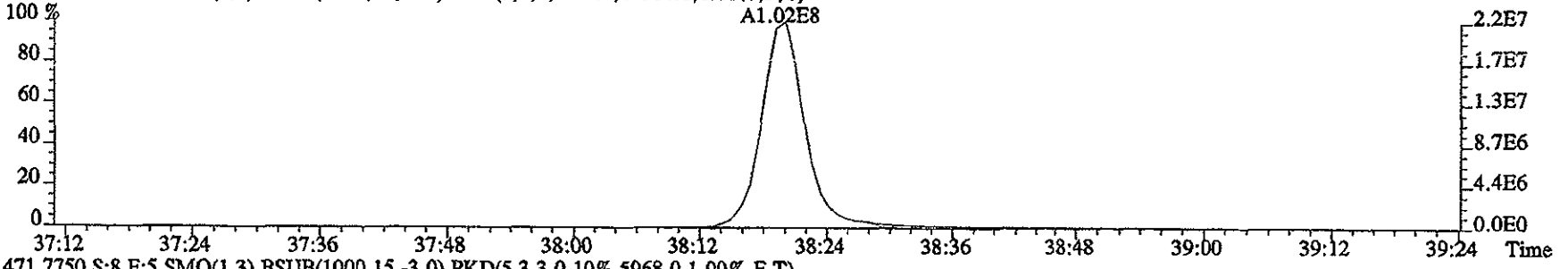
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5416.0,1.00%,F,T)



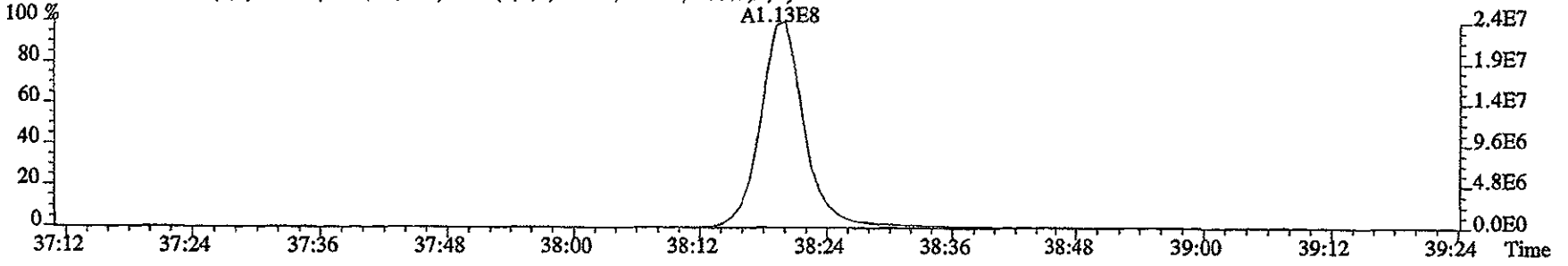
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6324.0,1.00%,F,T)



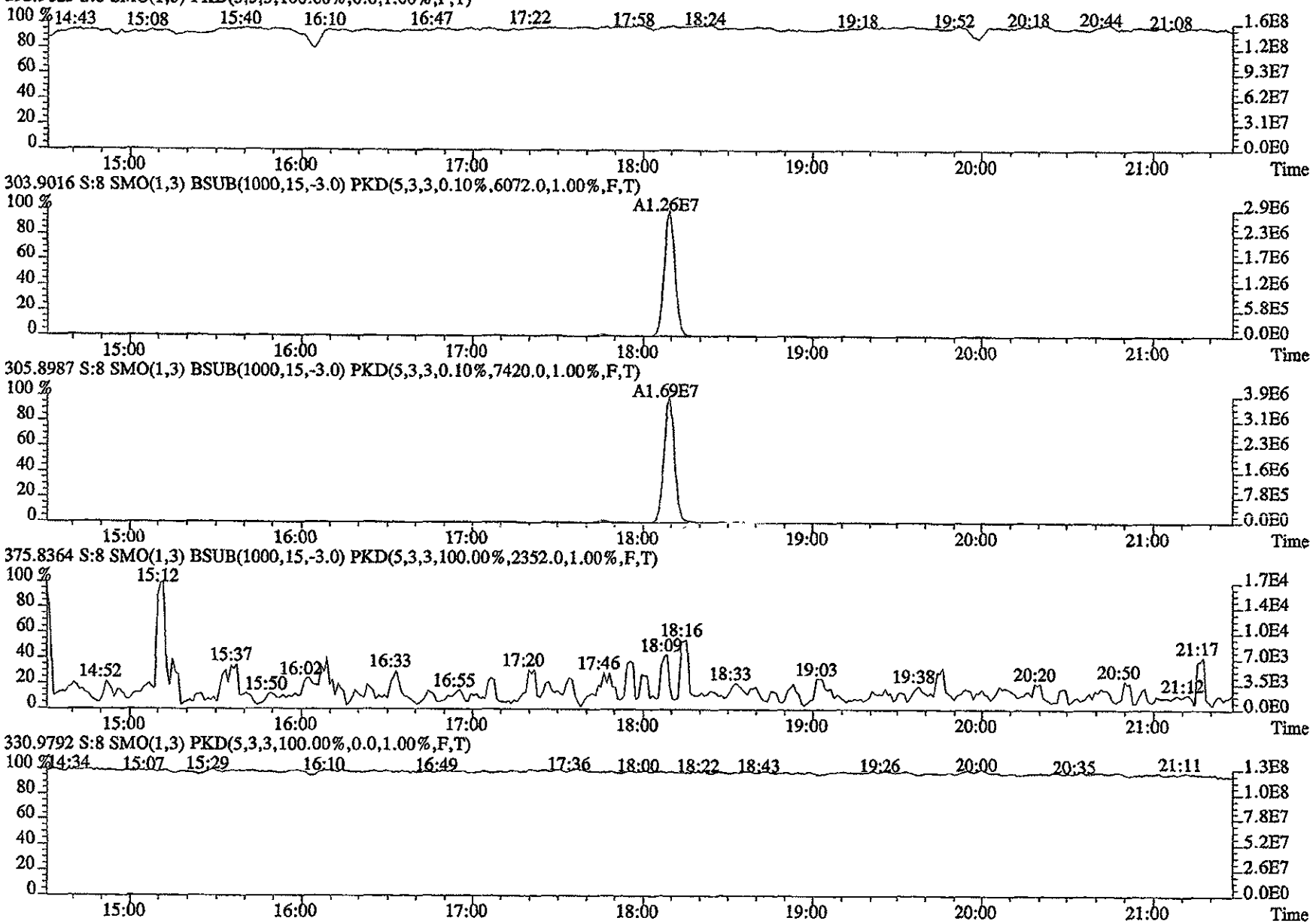
469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12504.0,1.00%,F,T)



471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5968.0,1.00%,F,T)

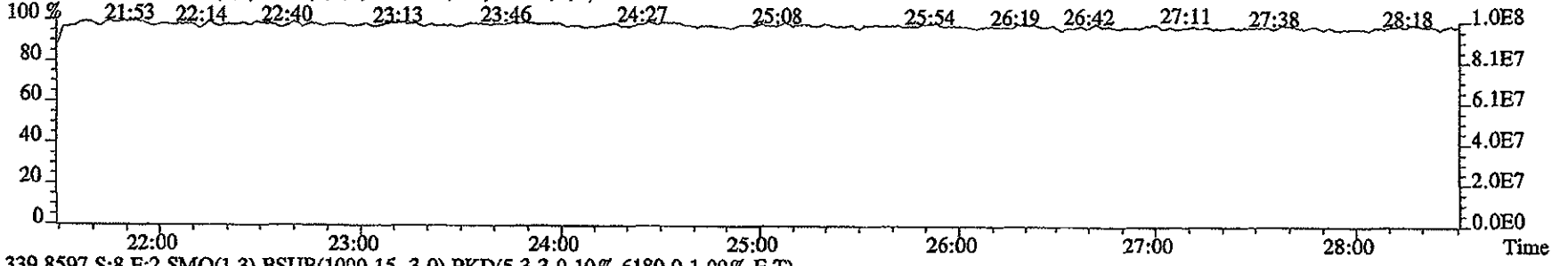


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

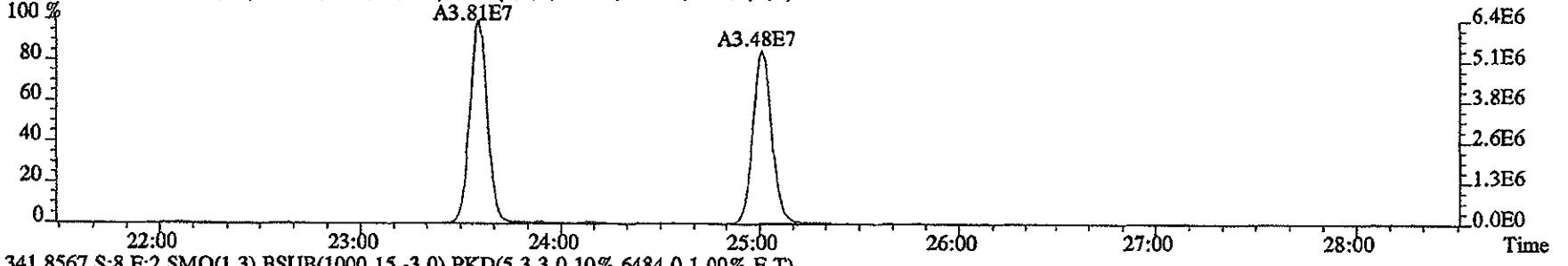


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

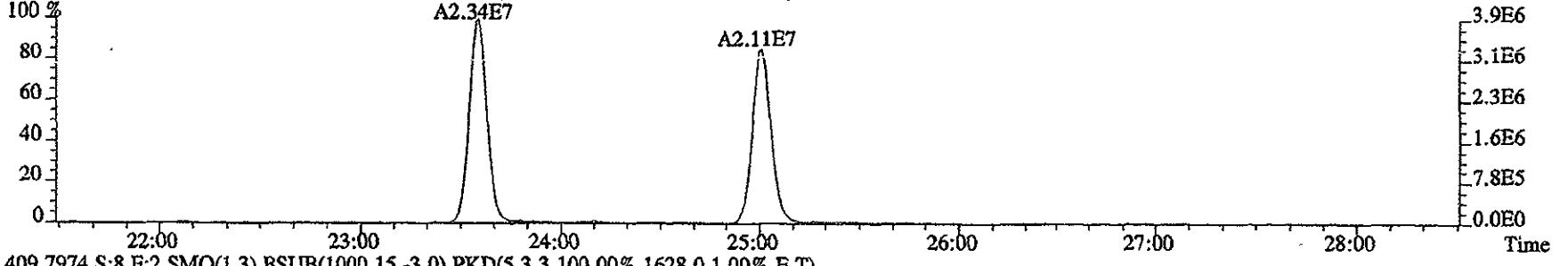
342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



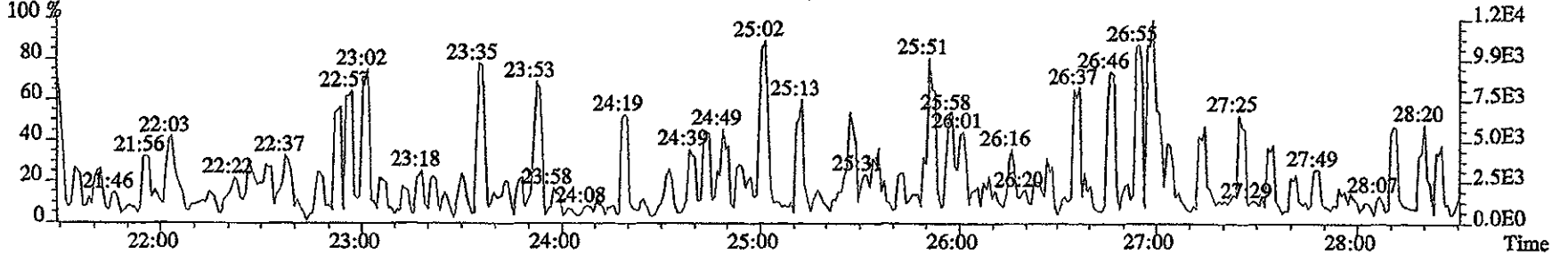
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6180.0,1.00%,F,T)



341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)

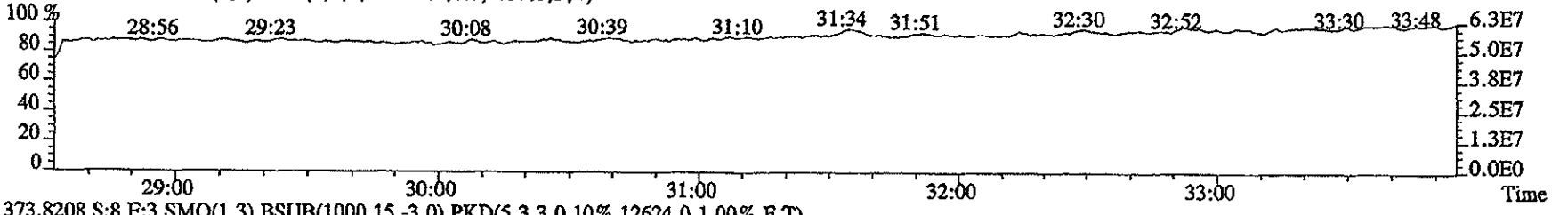


409.7974 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1628.0,1.00%,F,T)

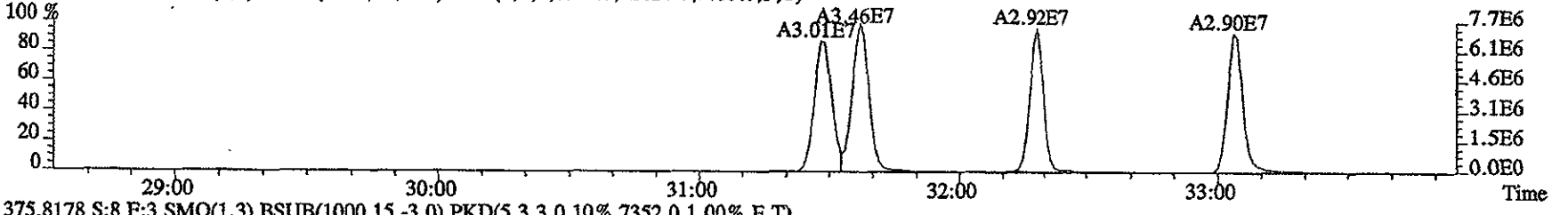


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

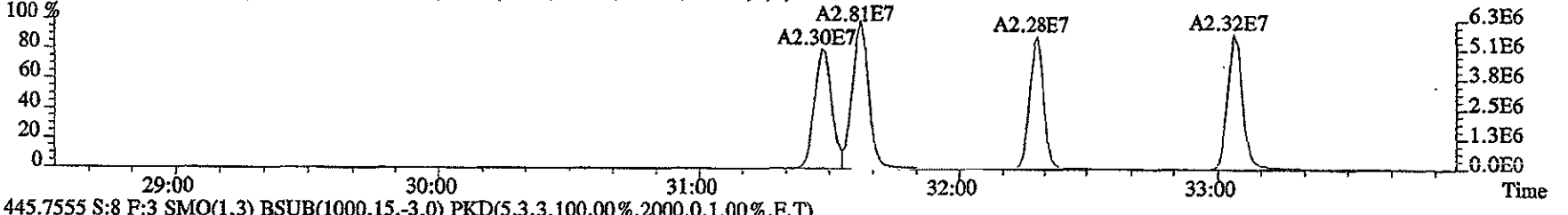
392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



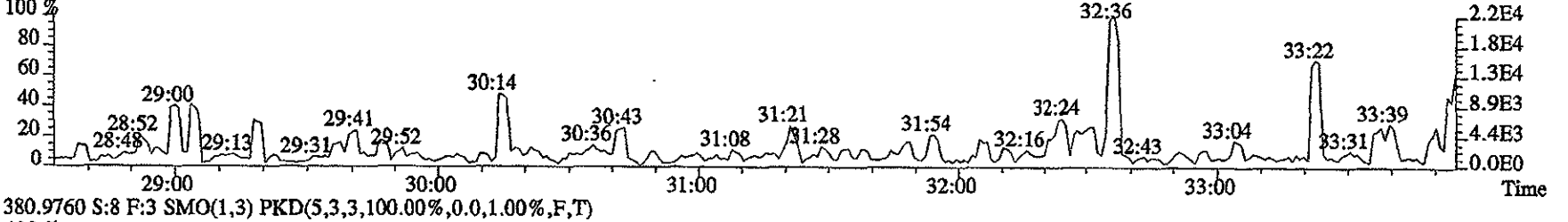
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12624.0,1.00%,F,T)



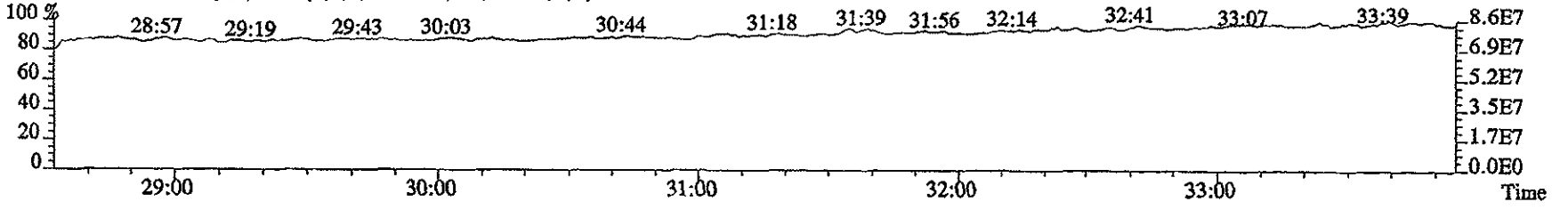
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7352.0,1.00%,F,T)

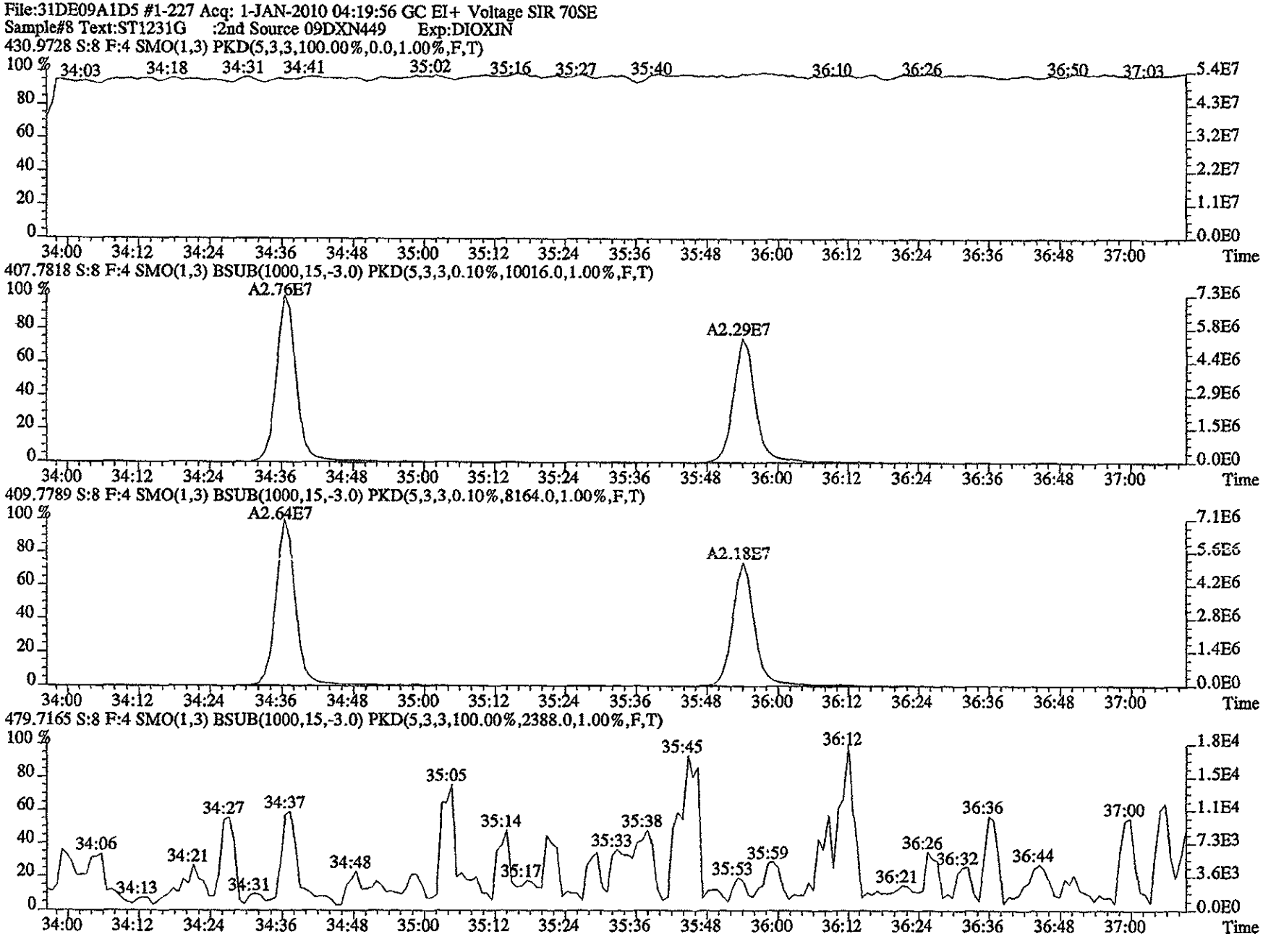


445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2000.0,1.00%,F,T)

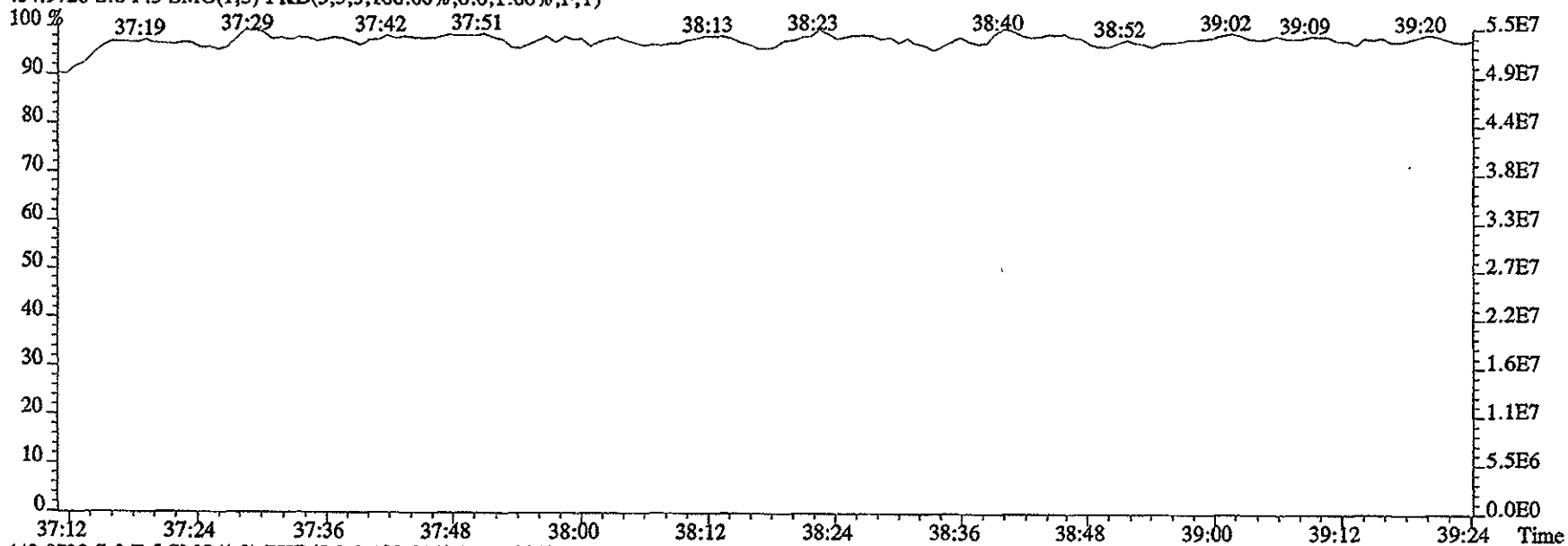


380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

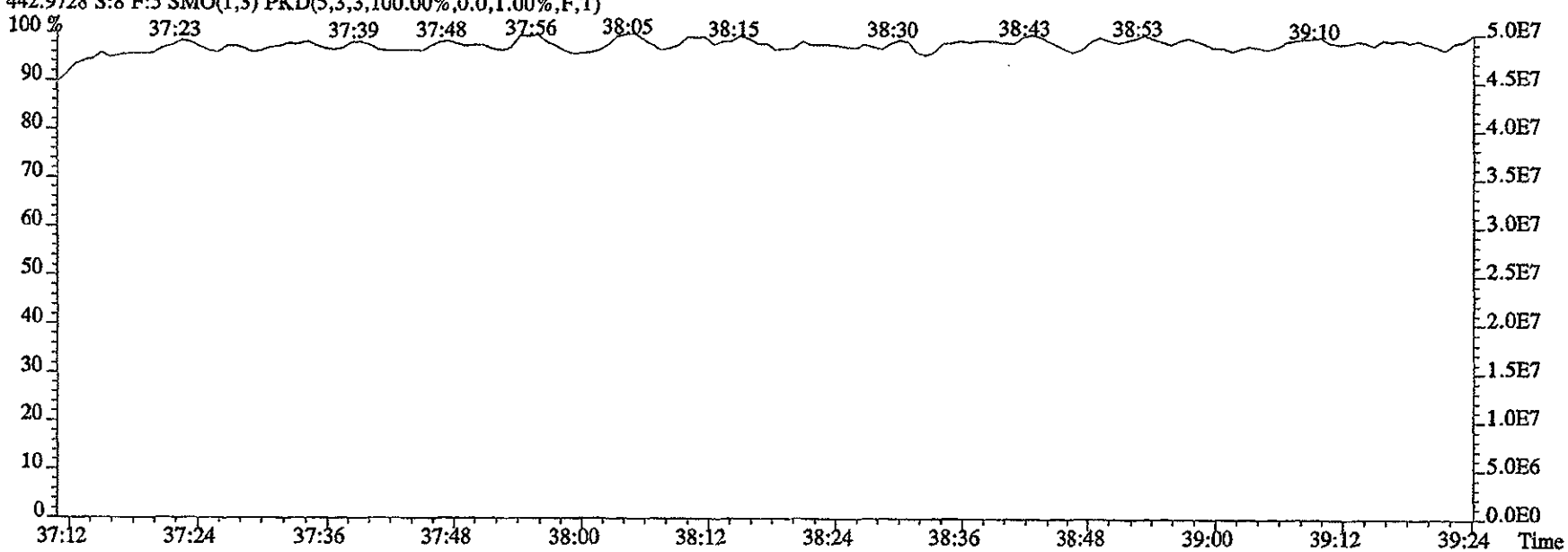




File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (DB225, AvR DB225) 042110502

Method ID 8290, 1613B, TO9, 23, 0023A

Date Scanned _____

Column ID DB225

Instrument ID 5D2

STD ID's ST0421(I,H,G,K,J.)

STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN426, 09DXN456

GC Program DB225

Multiplier Setting 750

Analyzed By M.G.

Date Analyzed 4/21/10

Prepared By M.G.

Date Prepared 4/22/10

Reviewed By MCW

Date Reviewed 4/23/10

ANALYSIS ITEM	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

CS3 13C-1,2,3,4-TCDD Retention Time = 14:56

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.406	0.279	11.6 %	2.89	2.38	2.23	2.27	2.26

Run #1 Filename 21AP105D2 S: 14 I: 1
Acquired: 21-APR-10 18:17:40 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421I :CS1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	98548600	0.76	y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	214570500	0.81	y	16:07	2.177	100.00	n
2,3,7,8-TCDF	1171014	0.76	y	16:08	1.091	0.50	n
13C-2,3,7,8-TCDD	91030100	0.77	y	14:44	0.924	100.00	n
2,3,7,8-TCDD	654904	0.80	y	14:45	1.439	0.50	n
37Cl-2,3,7,8-TCDD	1317370	1.00	y	14:45	2.894	0.50	n

Run #2 Filename 21AP105D2 S: 13 I: 1
Acquired: 21-APR-10 17:40:39 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421H :CS2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	105183700	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207380000	0.83 y	16:07	1.972	100.00	n
2,3,7,8-TCDF	4477510	0.83 y	16:09	1.080	2.00	n
13C-2,3,7,8-TCDD	95824400	0.76 y	14:45	0.911	100.00	n
2,3,7,8-TCDD	2492210	0.81 y	14:45	1.300	2.00	n
37Cl-2,3,7,8-TCDD	4561780	1.00 y	14:45	2.380	2.00	n

Run #3 Filename 21AP105D2 S: 12 I: 1
Acquired: 21-APR-10 17:03:38 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421G :CS3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	89594000	0.77 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	195422300	0.84 y	16:07	2.181	100.00	n
2,3,7,8-TCDF	21585080	0.85 y	16:08	1.105	10.00	n
13C-2,3,7,8-TCDD	87844800	0.77 y	14:44	0.980	100.00	n
2,3,7,8-TCDD	12499560	0.85 y	14:45	1.423	10.00	n
37Cl-2,3,7,8-TCDD	19546260	1.00 y	14:45	2.225	10.00	n

Run #4 Filename 21AP105D2 S: 16 I: 1
Acquired: 21-APR-10 19:31:45 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421K :CS4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	107645400	0.77 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207815400	0.82 y	16:08	1.931	100.00	n
2,3,7,8-TCDF	91213400	0.83 y	16:09	1.097	40.00	n
13C-2,3,7,8-TCDD	94849900	0.76 y	14:45	0.881	100.00	n
2,3,7,8-TCDD	49864500	0.85 y	14:46	1.314	40.00	n
37Cl-2,3,7,8-TCDD	86039800	1.00 y	14:46	2.268	40.00	n

Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 15:44:29
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421J :CS5 09DXN456

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84	y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81	y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78	y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84	y	14:46	1.310	200.00	n
37Cl-2,3,7,8-TCDD	456866000	1.00	y	14:46	2.265	200.00	n

Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP105D2 S14 RRF1	21AP105D2 S13 RRF2	21AP105D2 S12 RRF3	21AP105D2 S16 RRF4	21AP105D2 S15 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

Run #1 Filename 21AP105D2 S: 14 I: 1
Acquired: 21-APR-10 18:17:40 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB225042110 5D2
Comments:
Sample text: ST0421I :CS1 09DXN422

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	98548600	0.76	y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	214570500	0.81	y	16:07	2.177	100.00	n
2,3,7,8-TCDF	1171014	0.76	y	16:08	1.091	0.50	n
13C-2,3,7,8-TCDD	91030100	0.77	y	14:44	0.924	100.00	n
2,3,7,8-TCDD	654904	0.80	y	14:45	1.439	0.50	n
37Cl-2,3,7,8-TCDD	1317370	1.00	y	14:45	2.674	0.50	n

Run #2 Filename 21AP105D2 S: 13 I: 1
Acquired: 21-APR-10 17:40:39 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421H :CS2 09DXN423

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	105183700	0.75	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207380000	0.83	y	16:07	1.972	100.00	n
2,3,7,8-TCDF	4477510	0.83	y	16:09	1.080	2.00	n
13C-2,3,7,8-TCDD	95824400	0.76	y	14:45	0.911	100.00	n
2,3,7,8-TCDD	2492210	0.81	y	14:45	1.300	2.00	n
37Cl-2,3,7,8-TCDD	4561780	1.00	y	14:45	2.168	2.00	n

Run #3 Filename 21AP105D2 S: 12 I: 1
Acquired: 21-APR-10 17:03:38 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421G :CS3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	89594000	0.77 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	195422300	0.84 y	16:07	2.181	100.00	n
2,3,7,8-TCDF	21585080	0.85 y	16:08	1.105	10.00	n
13C-2,3,7,8-TCDD	87844800	0.77 y	14:44	0.980	100.00	n
2,3,7,8-TCDD	12499560	0.85 y	14:45	1.423	10.00	n
37Cl-2,3,7,8-TCDD	19546260	1.00 y	14:45	2.182	10.00	n

Run #4 Filename 21AP105D2 S: 16 I: 1
Acquired: 21-APR-10 19:31:45 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421K :CS4 09DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	107645400	0.77	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207815400	0.82	y	16:08	1.931	100.00	n
2,3,7,8-TCDF	91213400	0.83	y	16:09	1.097	40.00	n
13C-2,3,7,8-TCDD	94849900	0.76	y	14:45	0.881	100.00	n
2,3,7,8-TCDD	49864500	0.85	y	14:46	1.314	40.00	n
37Cl-2,3,7,8-TCDD	86039800	1.00	y	14:46	1.998	40.00	n

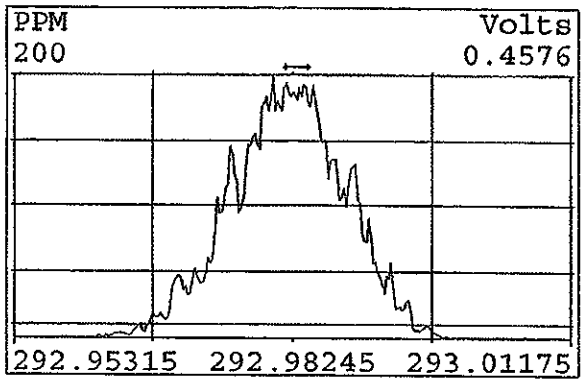
Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 08:14:00
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421J :CS5 09DXN456

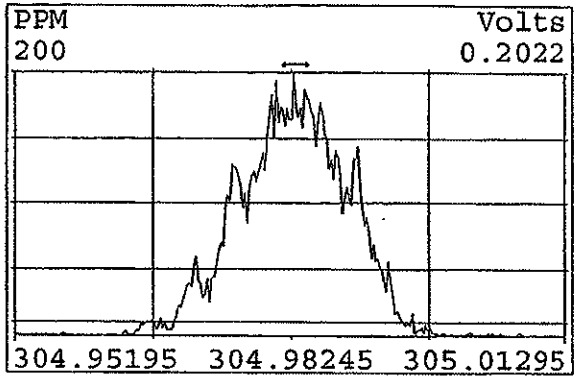
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84	y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81	y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78	y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84	y	14:46	1.310	200.00	n
37Cl-2,3,7,8-TCDD	456866000	1.00	y	14:46	2.369	200.00	n

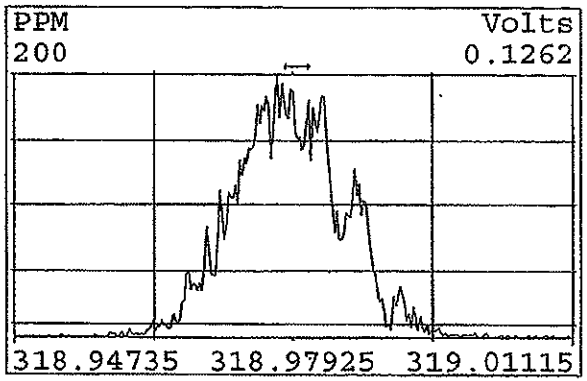
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21AP105D2	1	ST0421	CS3 10DXN111				1.000	
21AP105D2	2	CP0421	DB-225 CPSM 3732-06				1.000	
21AP105D2	3	SB0421	Solvent Blank C-14				1.000	
21AP105D2	4	LXTRR-1-AC	A0D120411-1	20	8290/SOLID	70	10.060	g
21AP105D2	5	SB0421A	Solvent Blank C-14				1.000	
21AP105D2	6	ST0421A	CS3 10DXN111				1.000	
21AP105D2	7	ST0421B	CS2 09DXN423				1.000	
21AP105D2	8	ST0421C	CS1 09DXN422				1.000	
21AP105D2	9	ST0421D	CS5 09DXN456				1.000	
21AP105D2	10	ST0421E	CS4 09DXN426				1.000	
21AP105D2	11	ST0421F	2nd Source 09DXN449				1.000	
21AP105D2	12	ST0421G	CS3 10DXN111				1.000	
21AP105D2	13	ST0421H	CS2 09DXN423				1.000	
21AP105D2	14	ST0421I	CS1 09DXN422				1.000	
21AP105D2	15	ST0421J	CS5 09DXN456				1.000	
21AP105D2	16	ST0421K	CS4 09DXN426				1.000	
21AP105D2	17	ST0421L	2nd Source 09DXN449				1.000	
21AP105D2	18						1.000	
21AP105D2	19						1.000	
21AP105D2	20						1.000	
21AP105D2	21		MG 04/21/10				1.000	

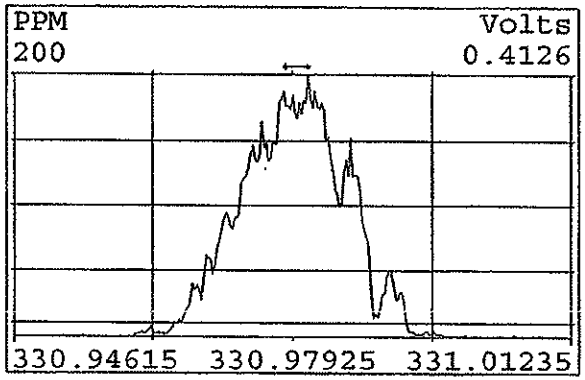
log file checked
4-22-10
SM

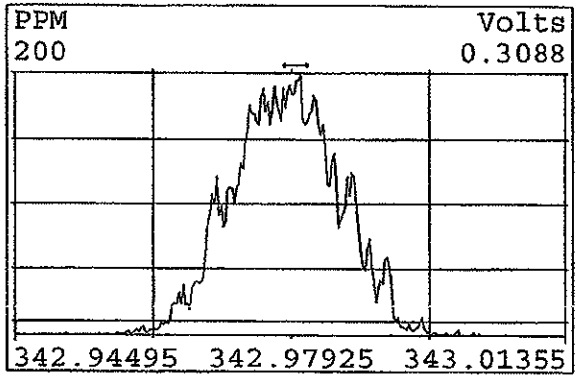
Peak Locate Examination:21-APR-2010:10:08 File:21AP105D2
Experiment:DIOXIN Function:1 Reference:PFK

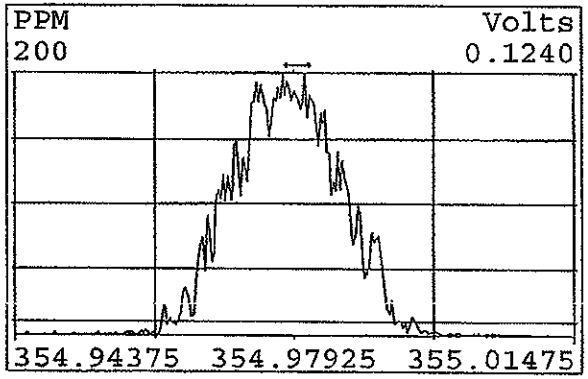


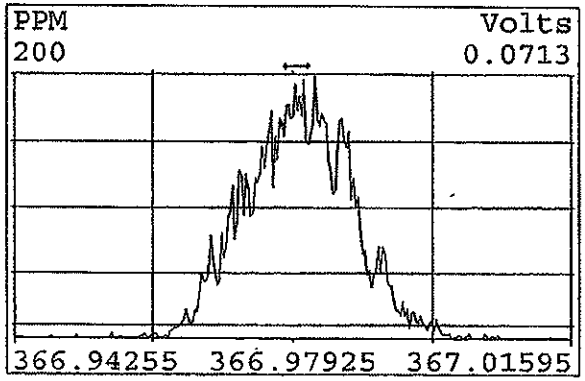


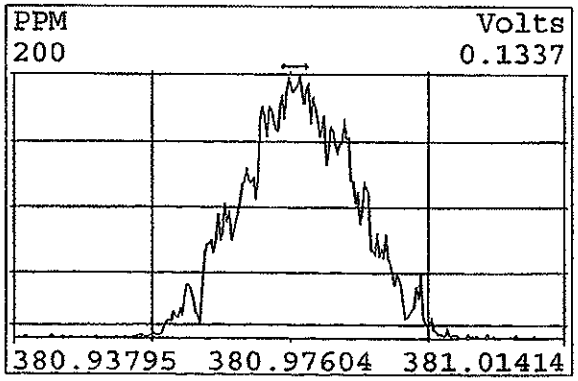




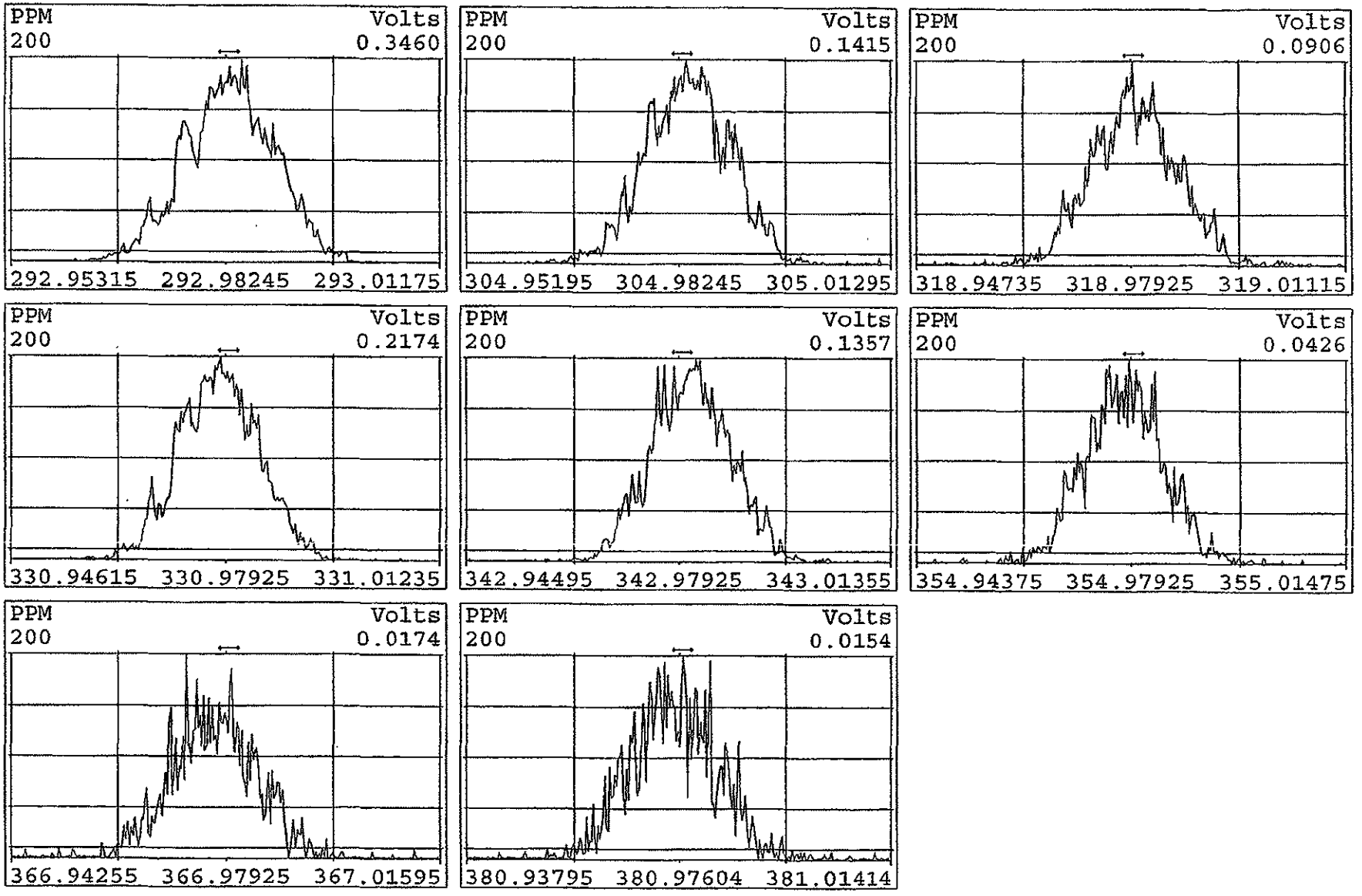




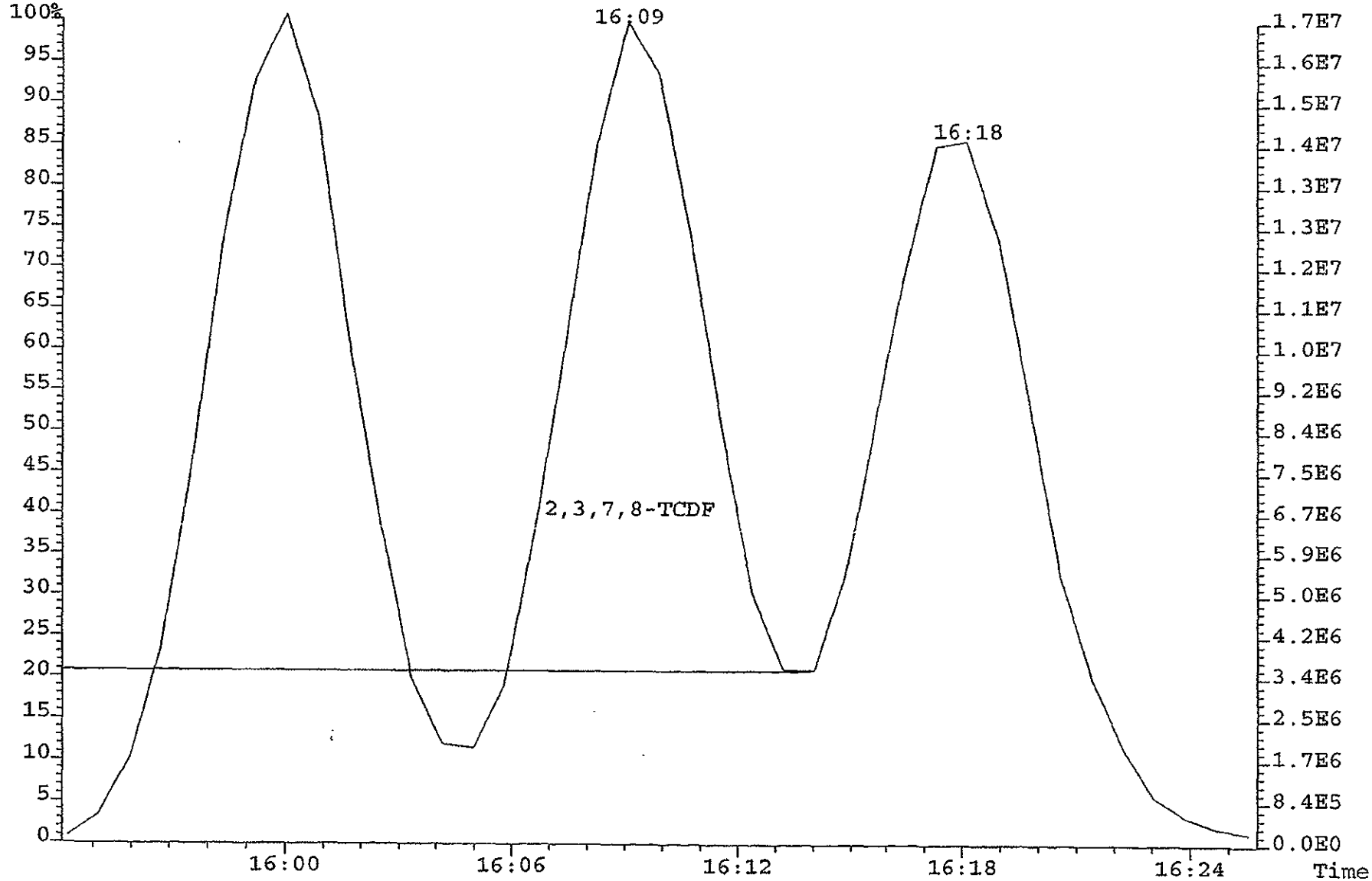




Peak Locate Examination:21-APR-2010:21:16 File:RESCHK21AP105D2
Experiment:DIOXIN Function:1 Reference:PFK



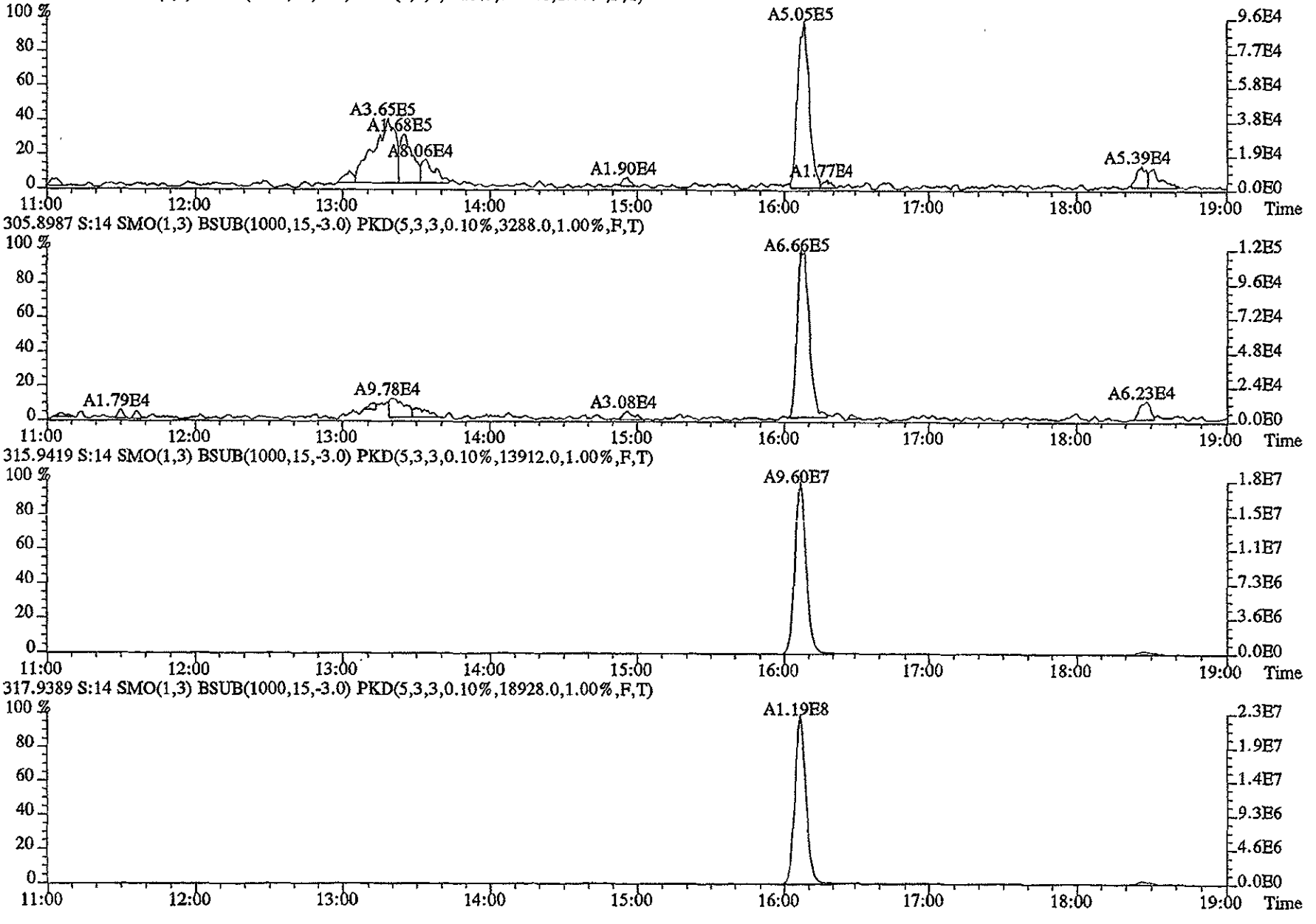
File:21AP105D2 #1-919 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Exp:DIOXIN
305.8987 S:2

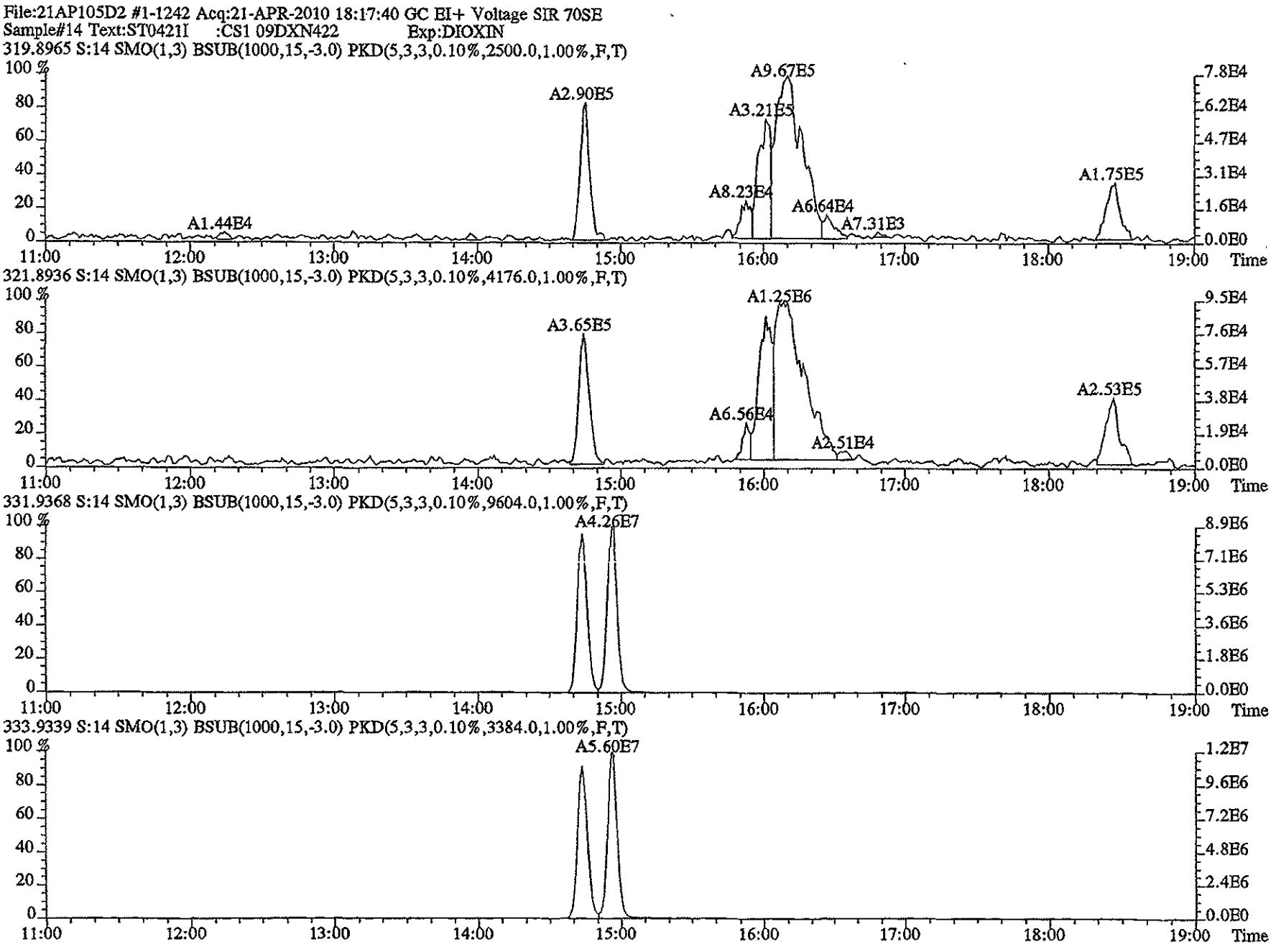


Run text: ST0421L Sample text: ST0421L :2nd Source 09DXN449
Run #6 Filename: 21AP105D2 S: 17 I: 1 Results: 21AP105D2DB225A
Acquired: 21-APR-10 20:08:50 Processed: 23-APR-10 15:30:50
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

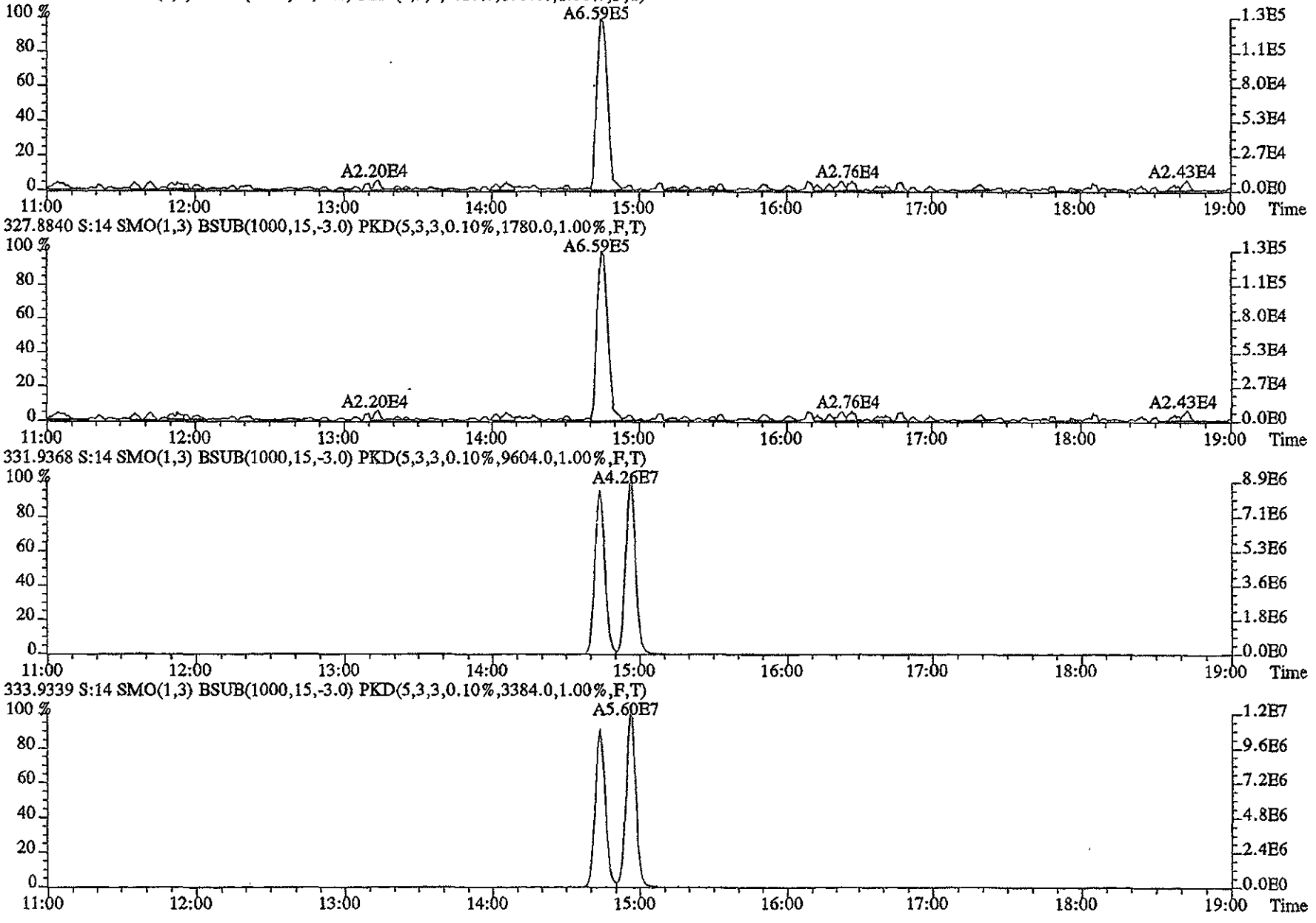
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	92288800	0.77 y	14:57	-	92.77	-	-	n
13C-2,3,7,8-TCDF	210985500	0.84 y	16:08	2.11	2170.78	4.59	108.5	n
2,3,7,8-TCDF	22099440	0.82 y	16:09	1.09	192.46	1.01	-	n
13C-2,3,7,8-TCDD	100543600	0.76 y	14:45	0.95	2297.28	3.52	114.9	n
2,3,7,8-TCDD	13155960	0.84 y	14:46	1.36	192.81	1.44	-	n
37Cl-2,3,7,8-TCDD	23374800	1.00 y	14:46	2.28	222.36	0.33	111.2	n

File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN

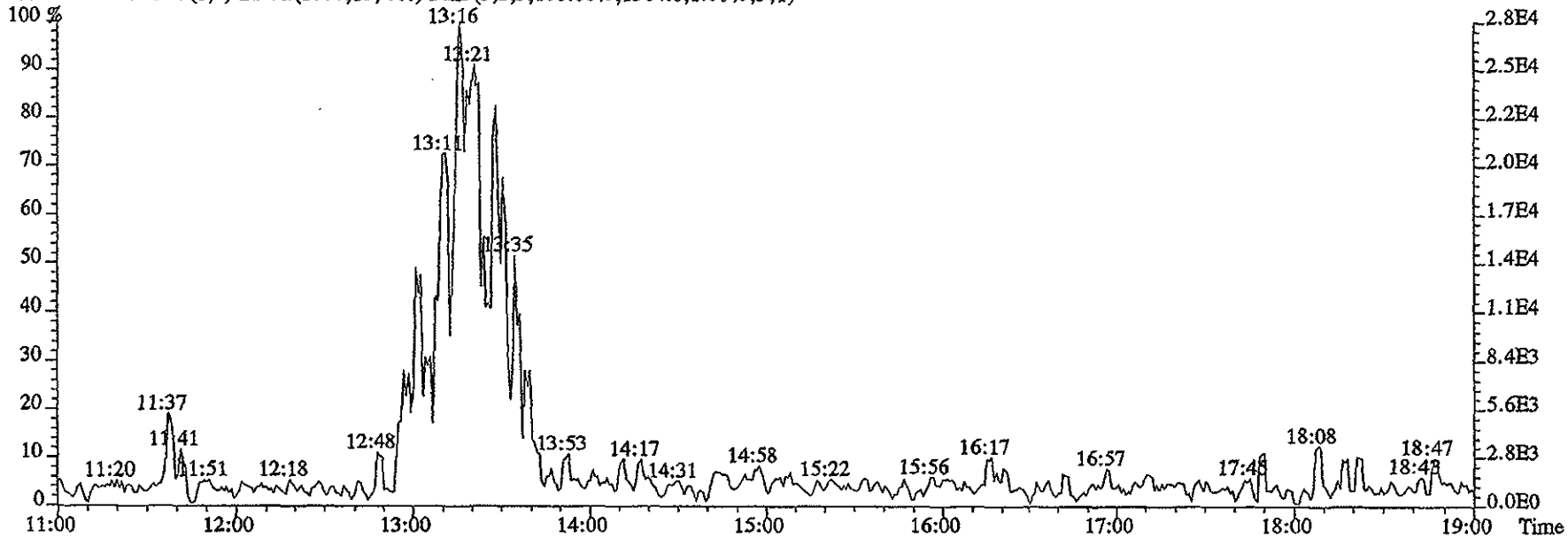




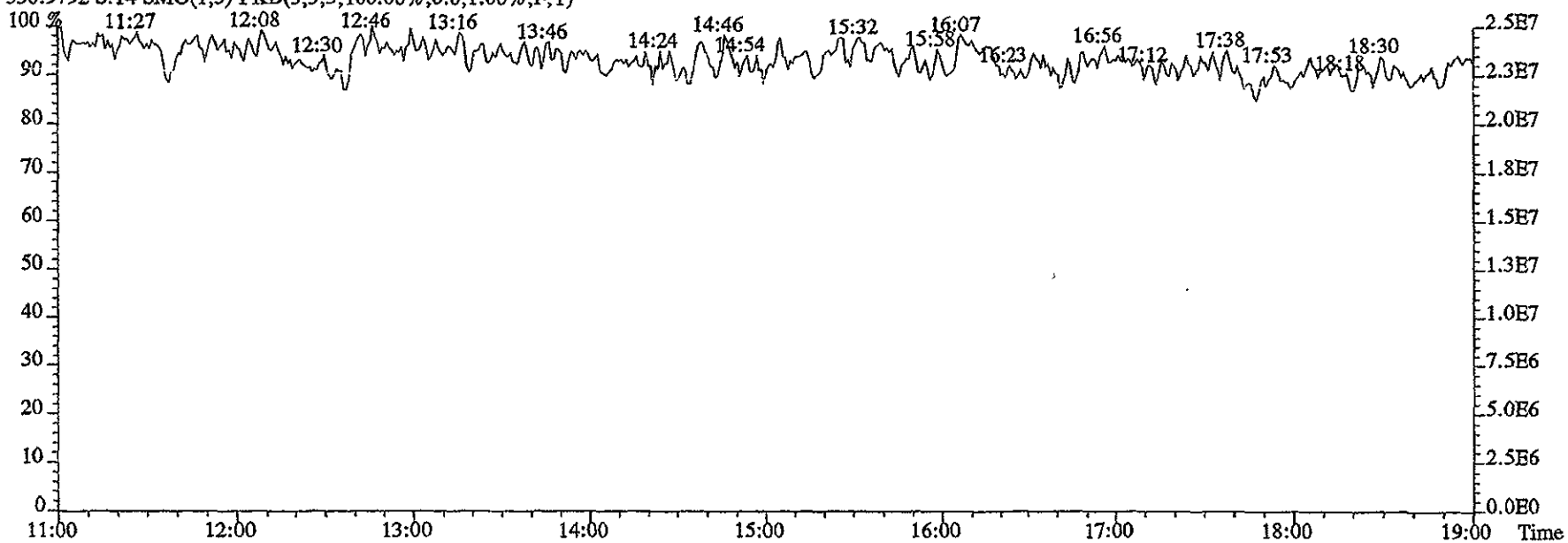
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN



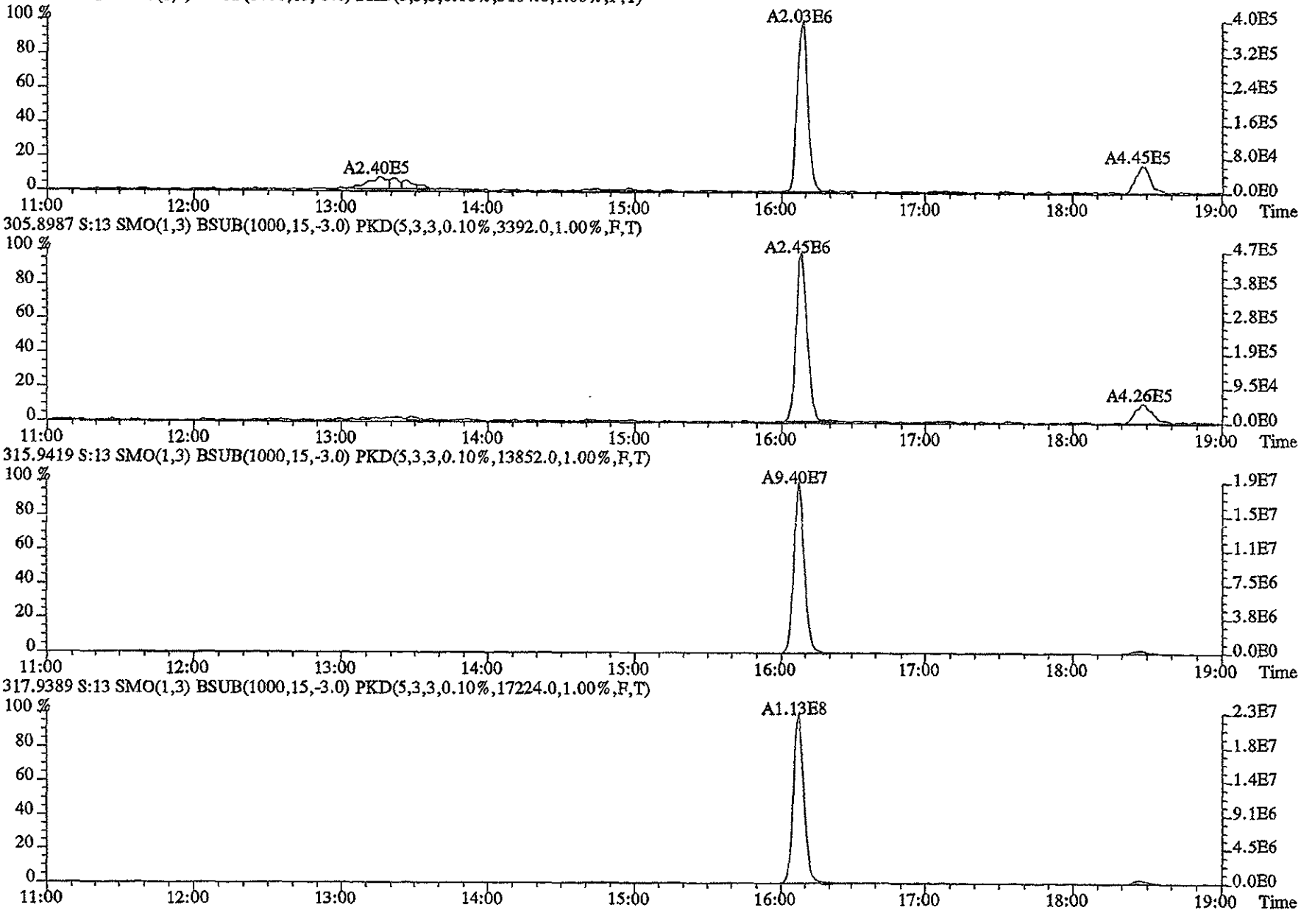
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN
375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)



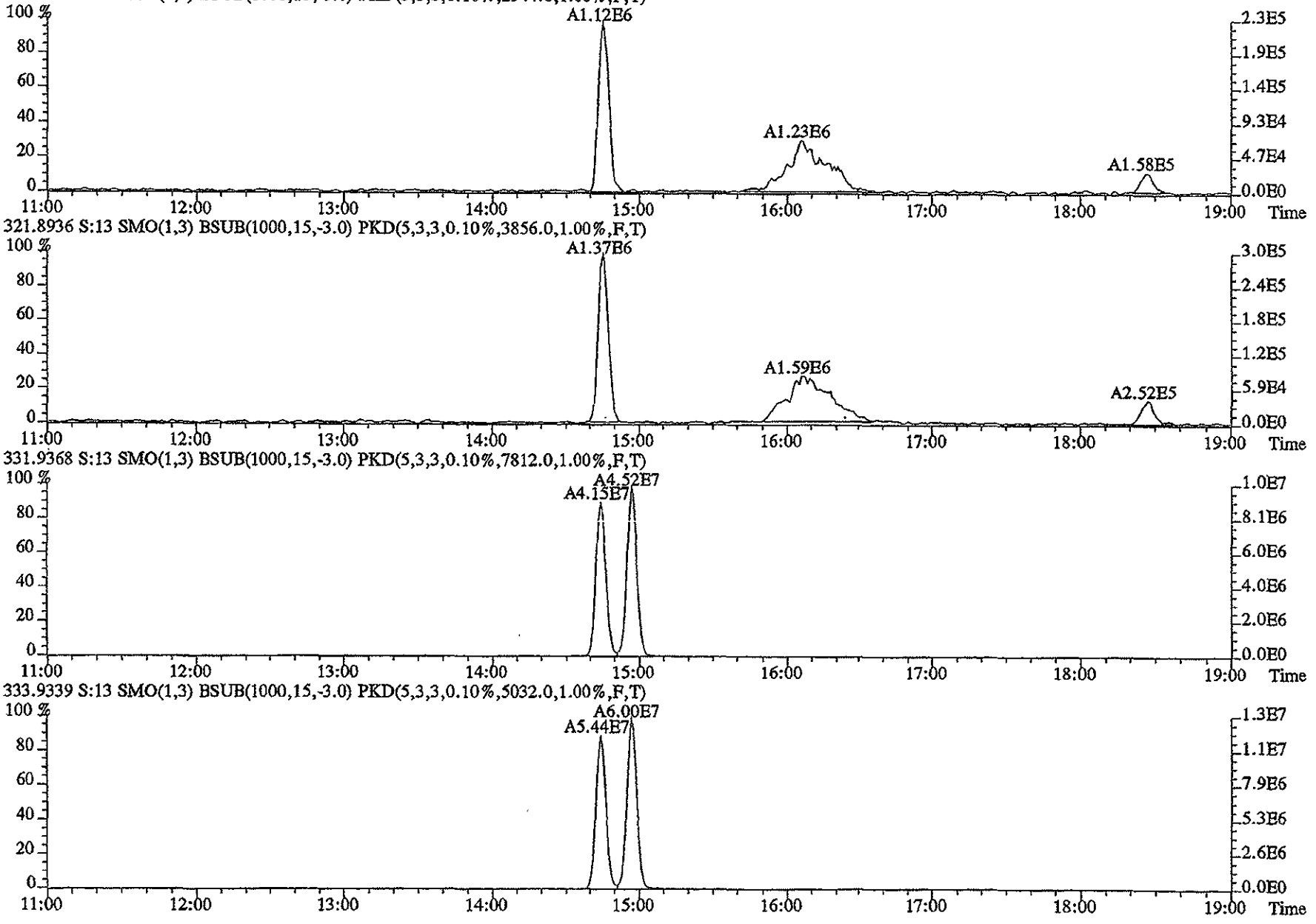
330.9792 S:14 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



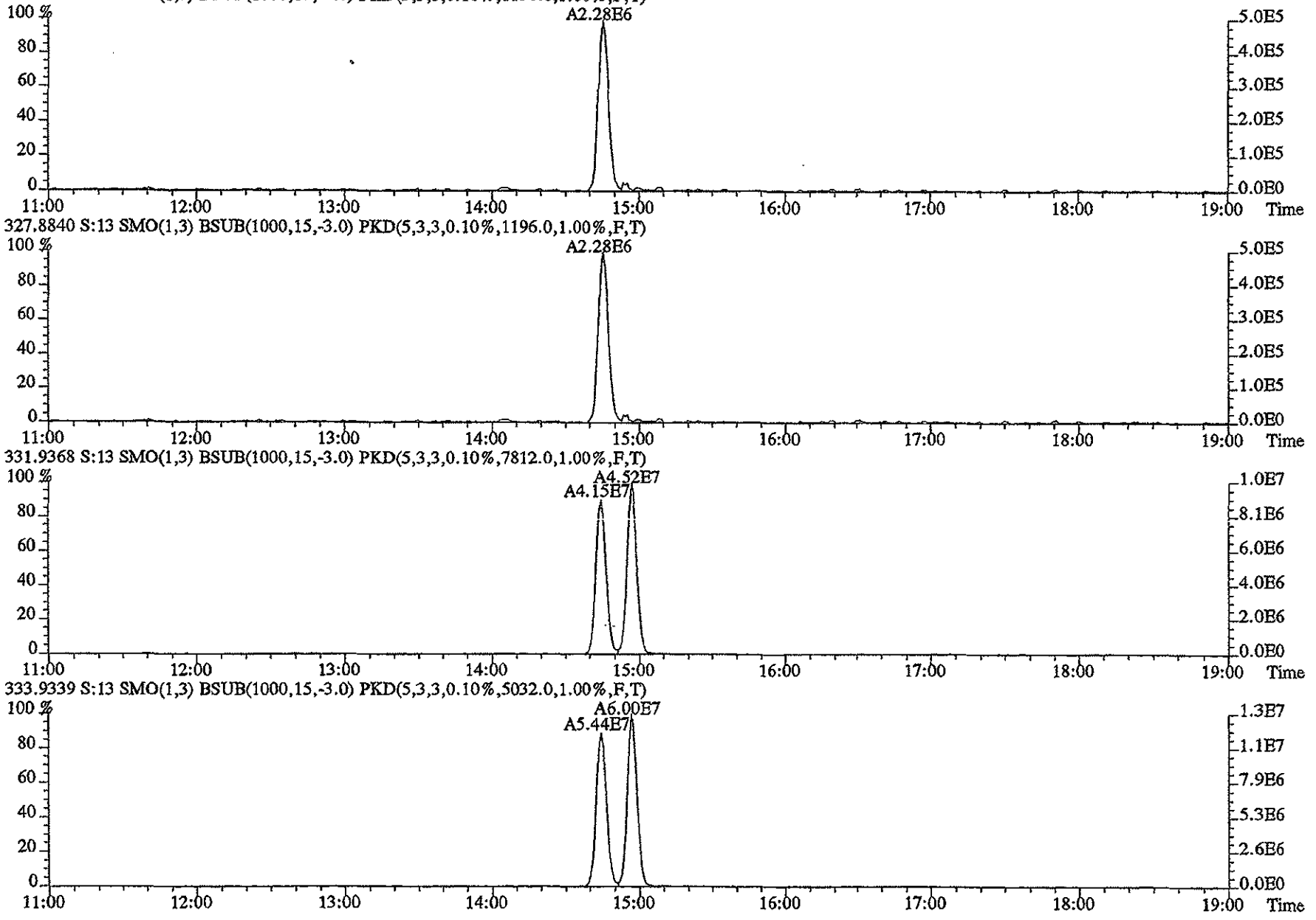
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN



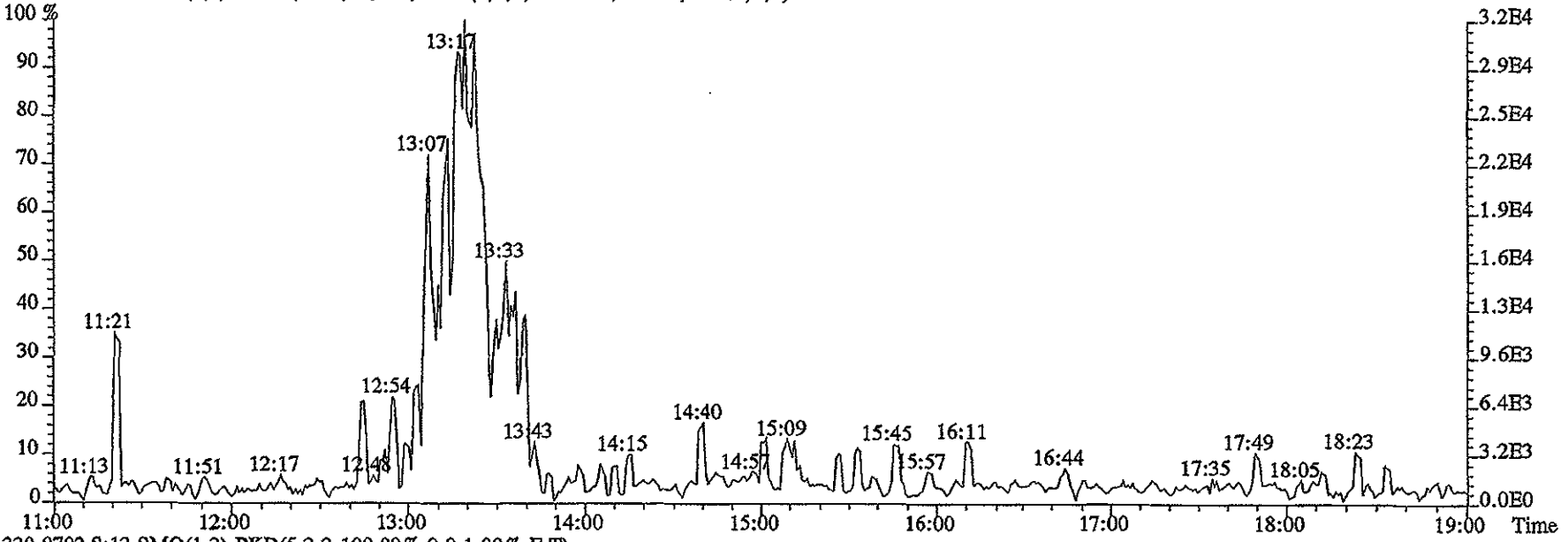
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN



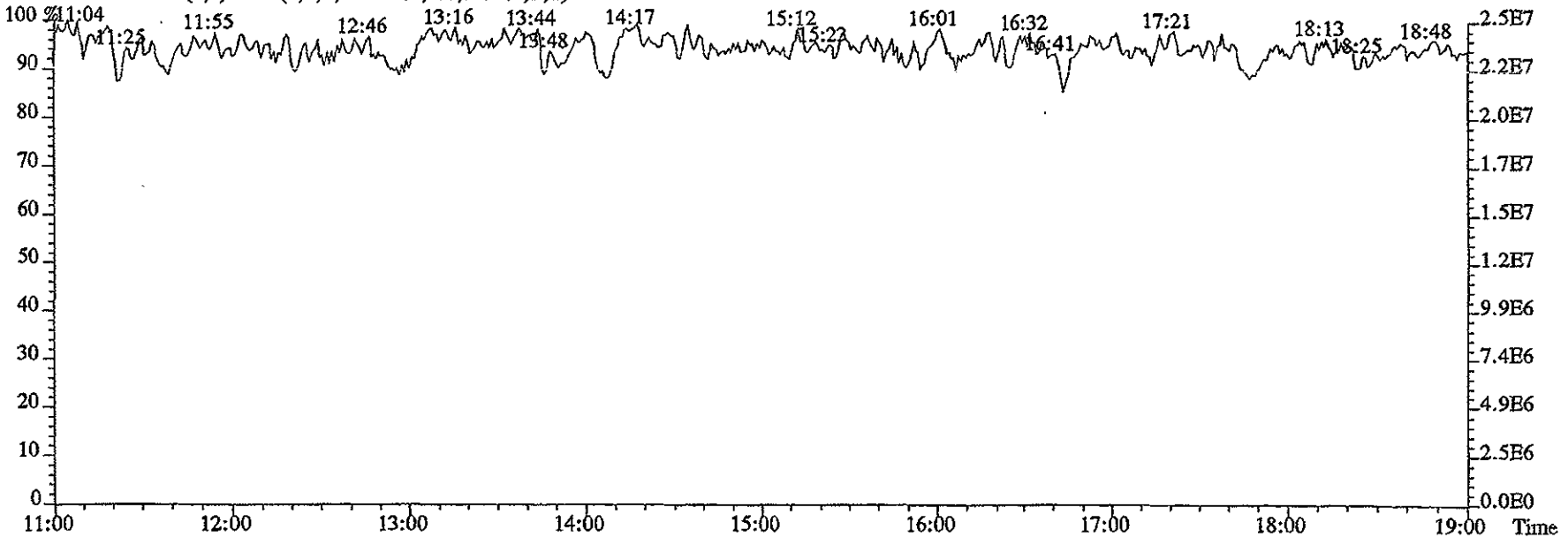
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN



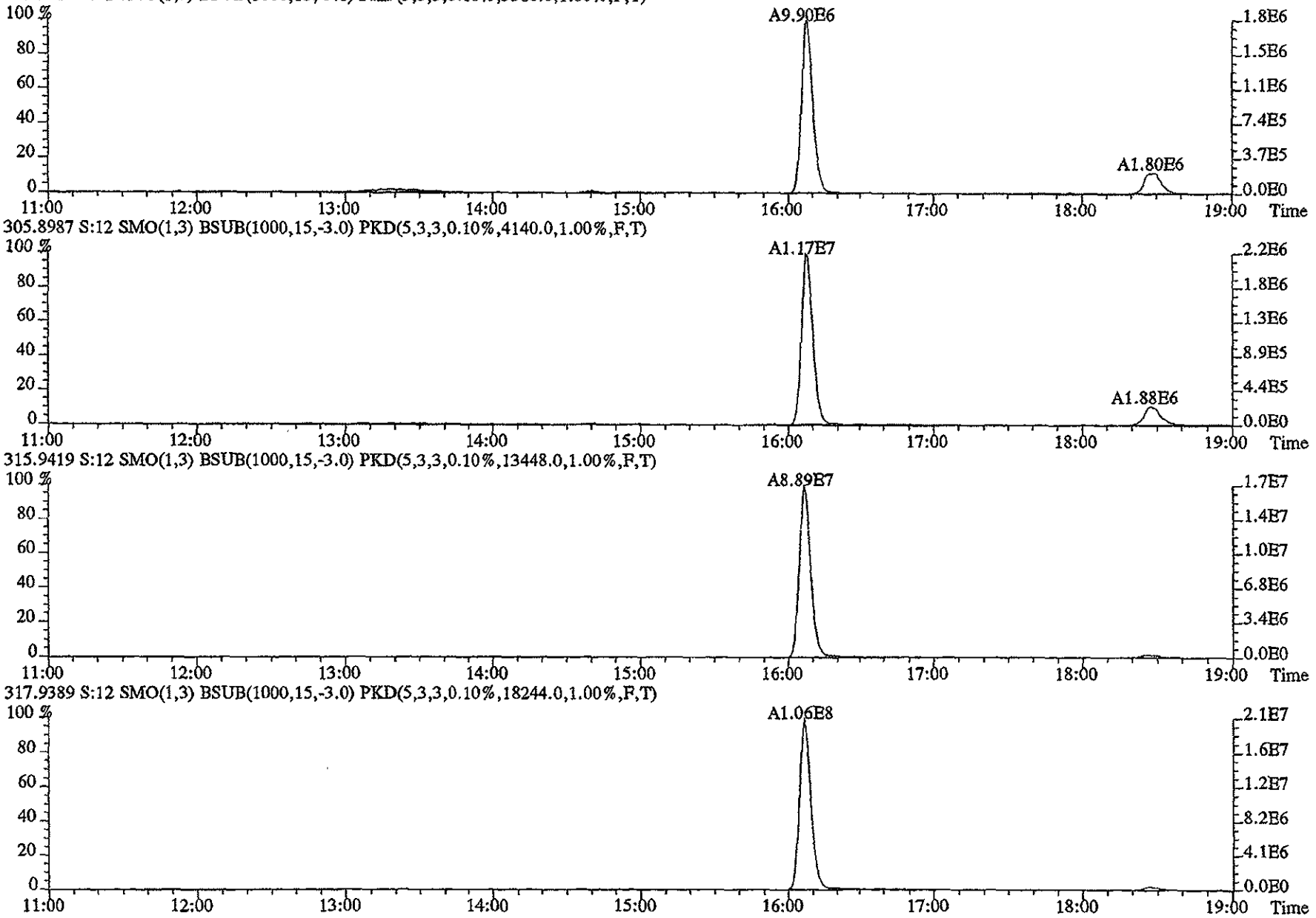
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

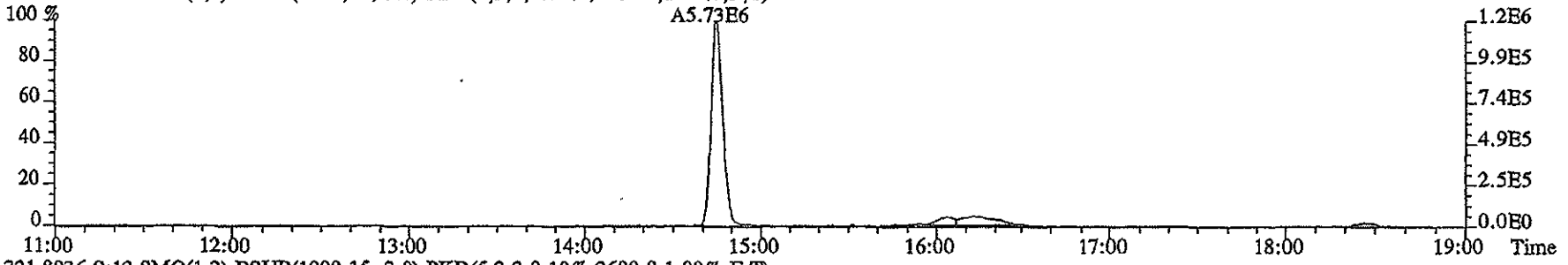


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN

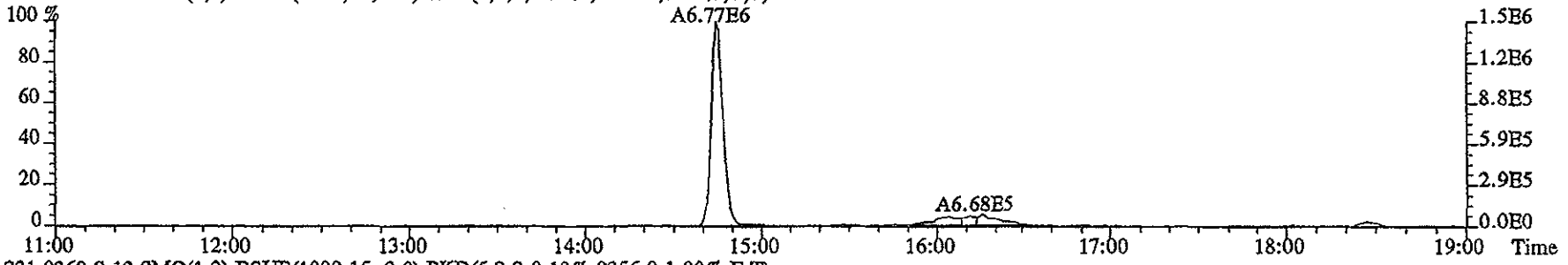


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN

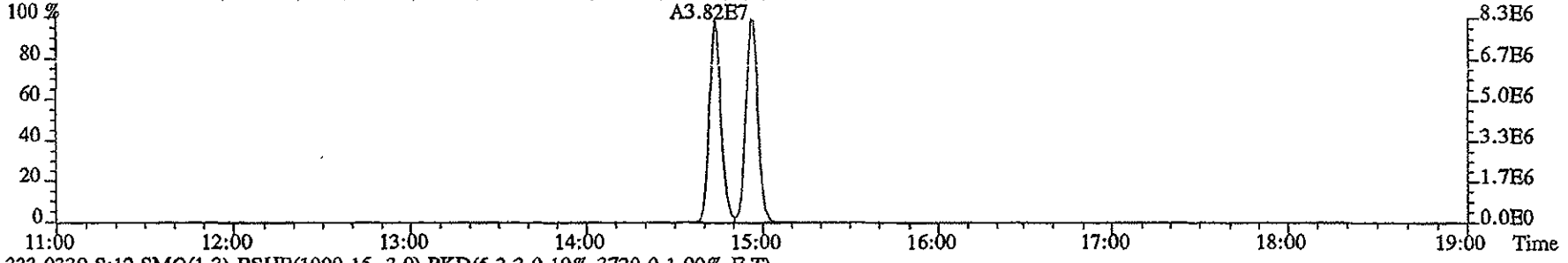
319.8965 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2712.0,1.00%,F,T)



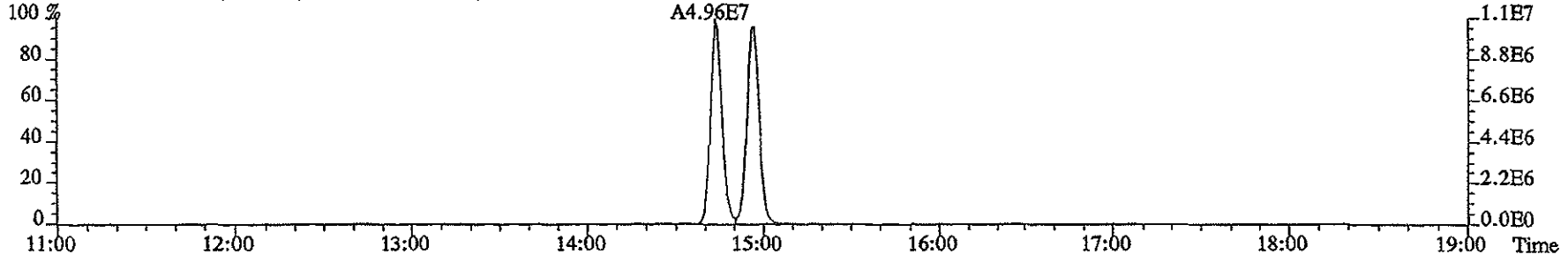
321.8936 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)



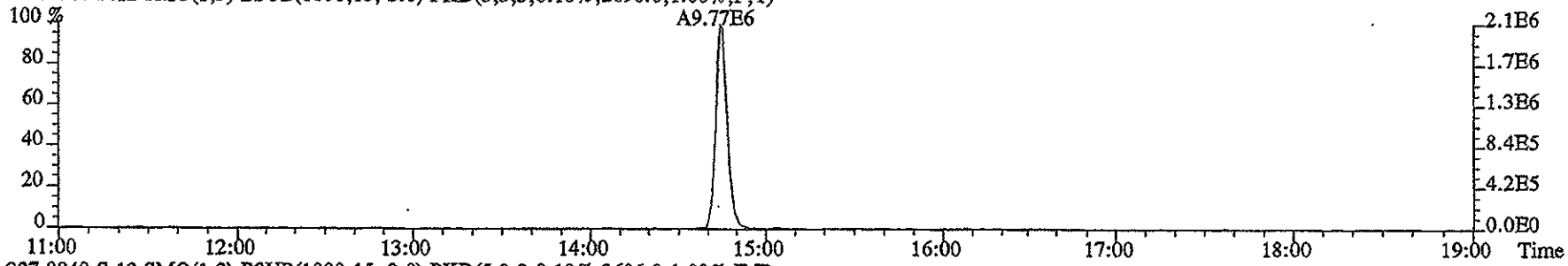
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9256.0,1.00%,F,T)



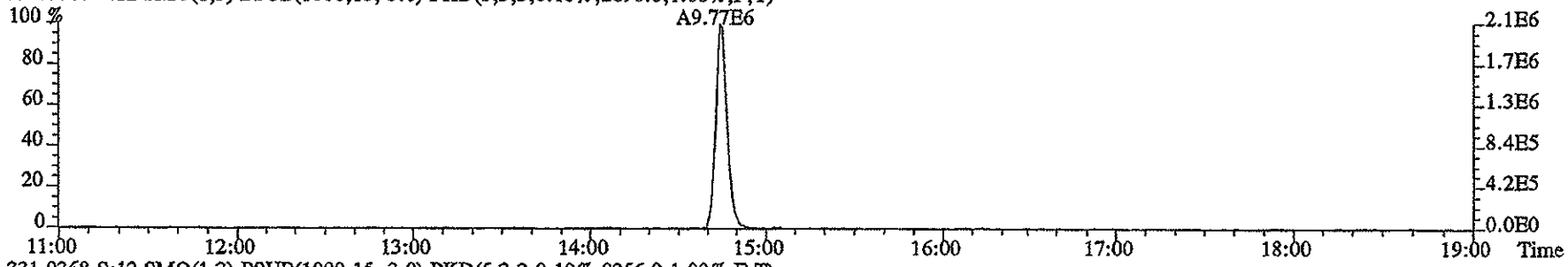
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)



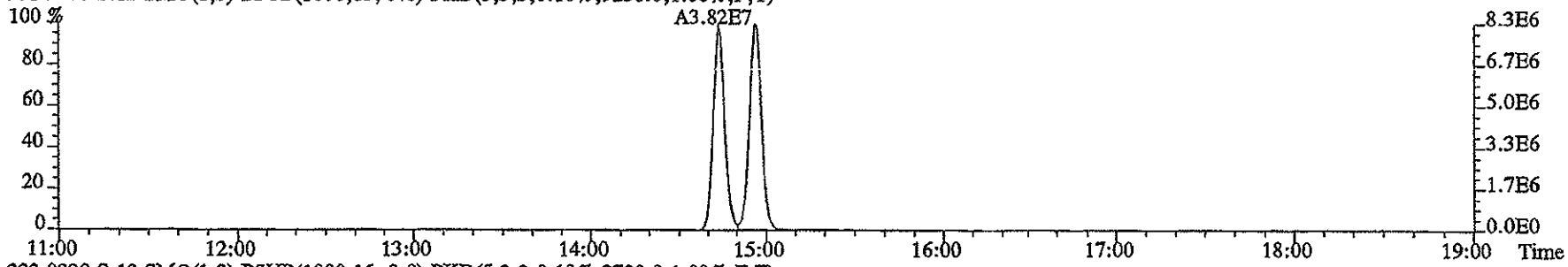
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
327.8840 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)



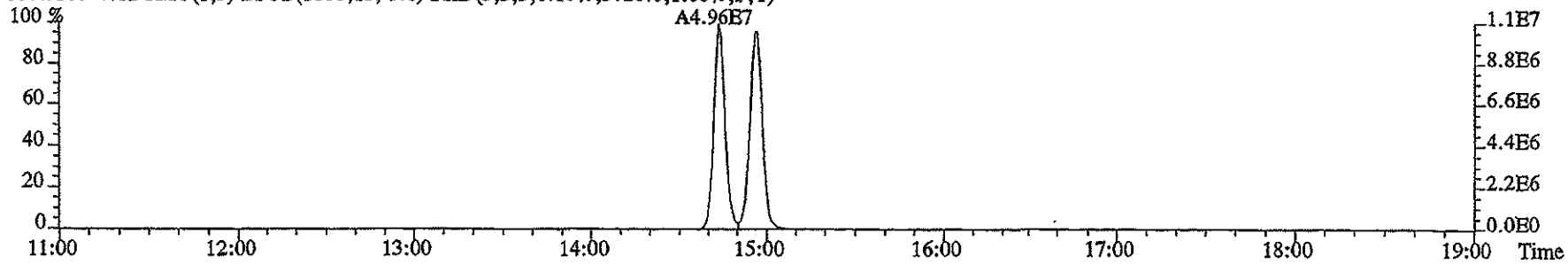
327.8840 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)



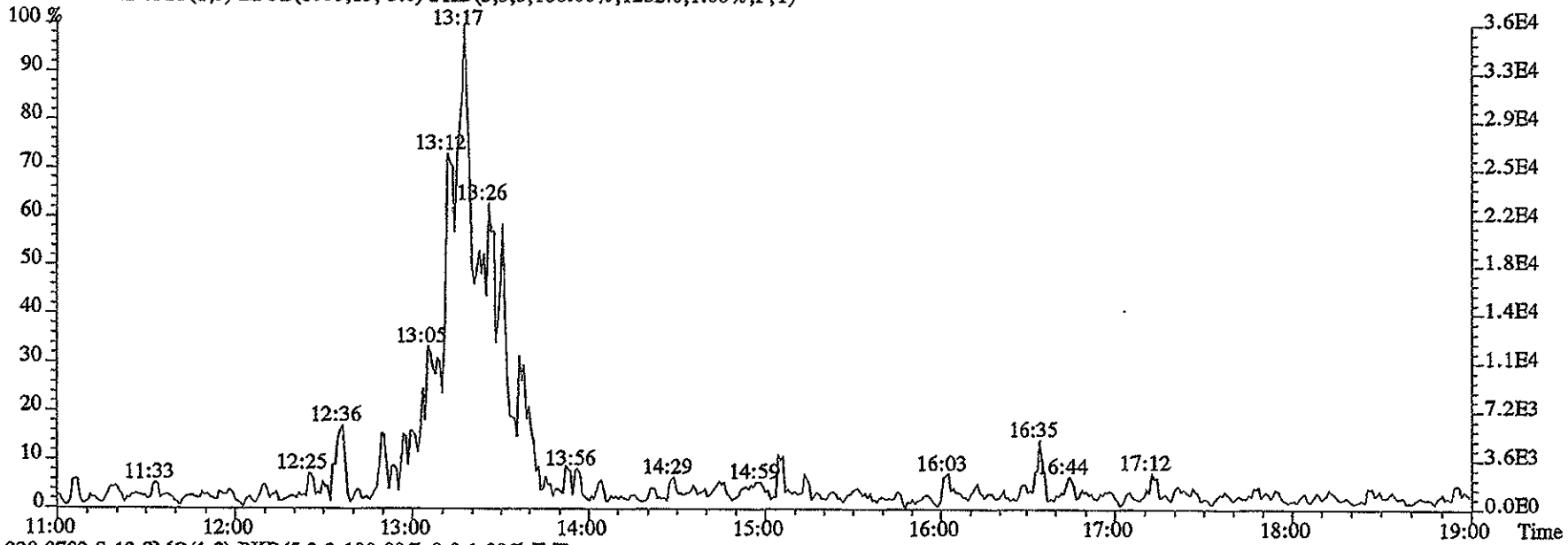
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9256.0,1.00%,F,T)



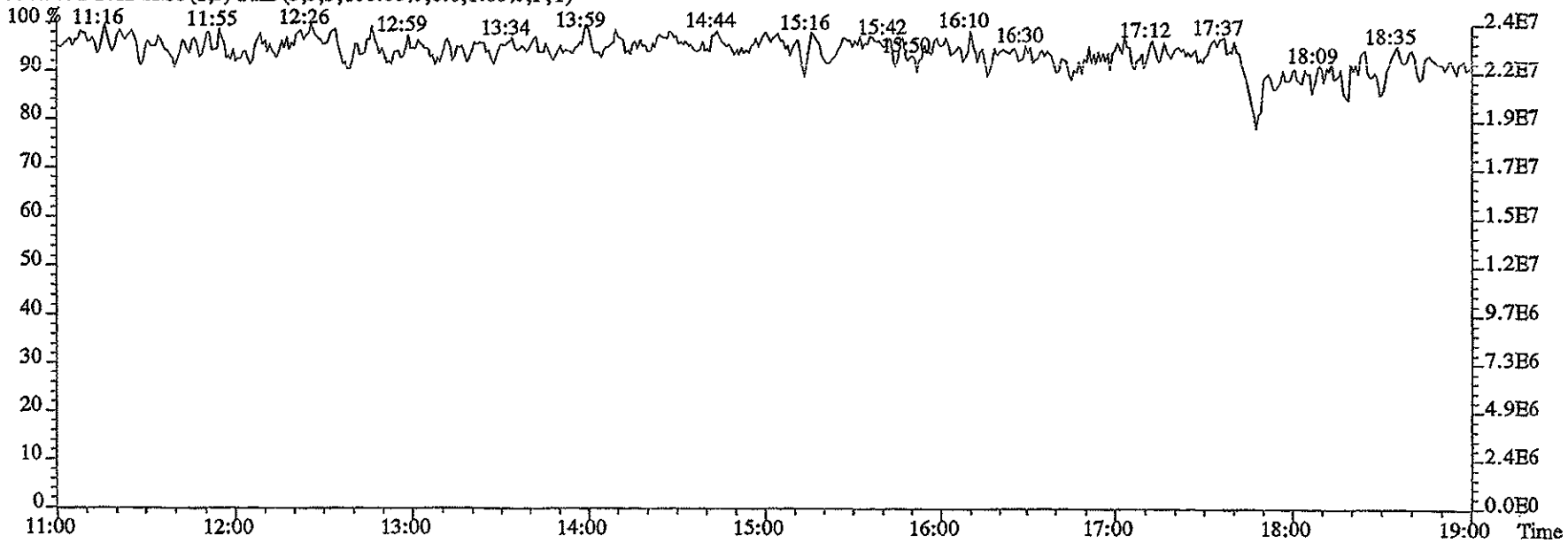
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)



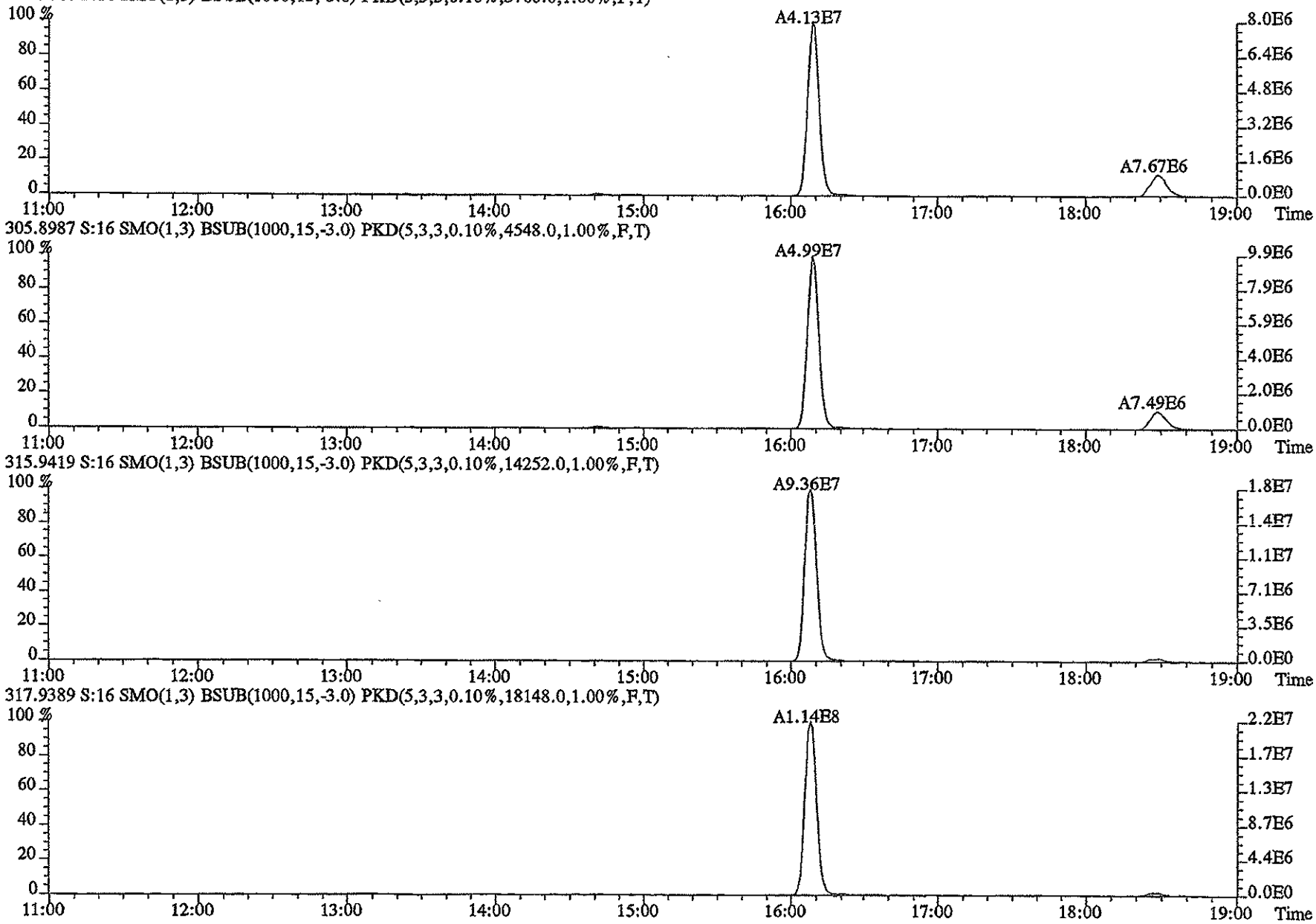
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1252.0,1.00%,F,T)



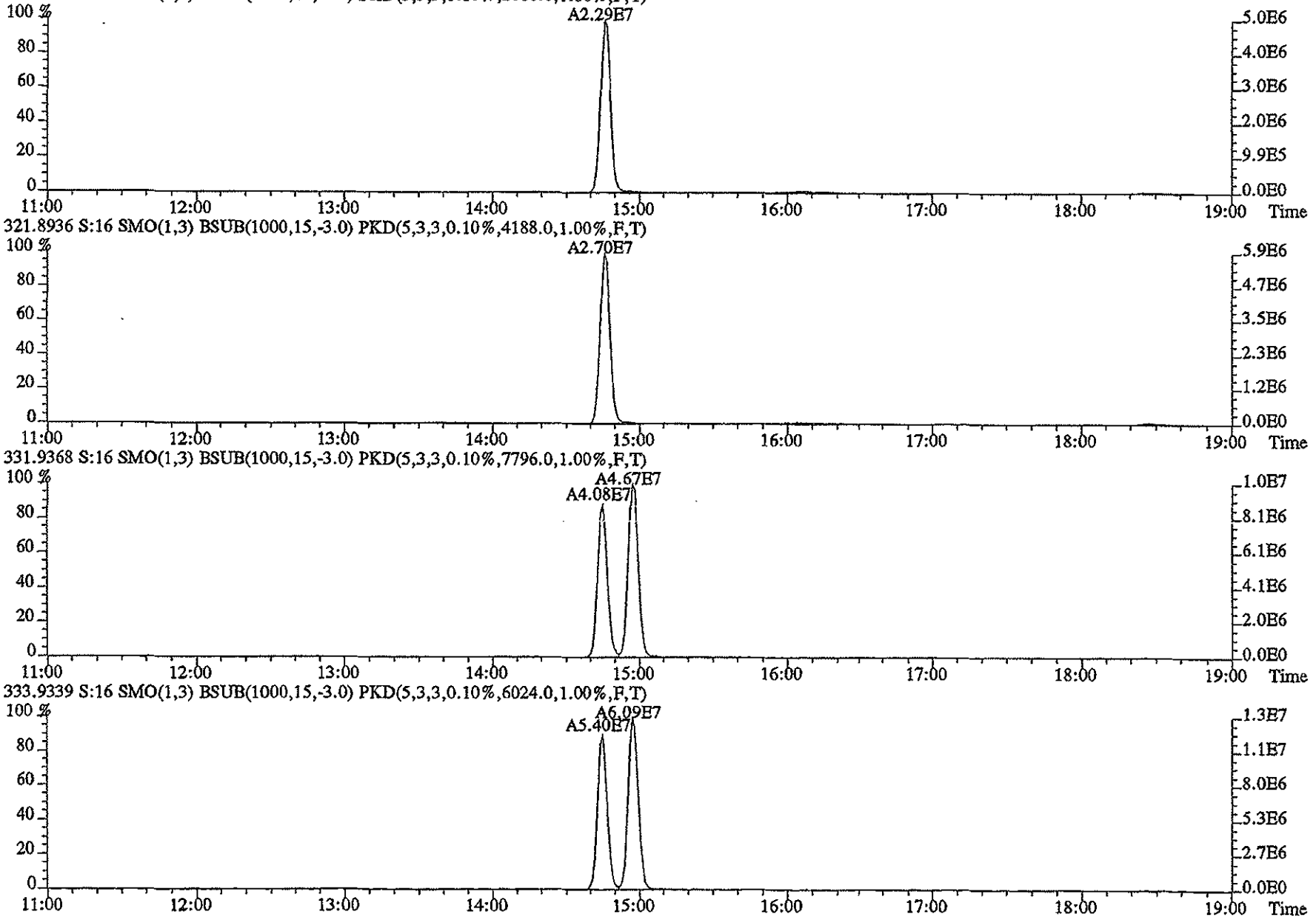
330.9792 S:12 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



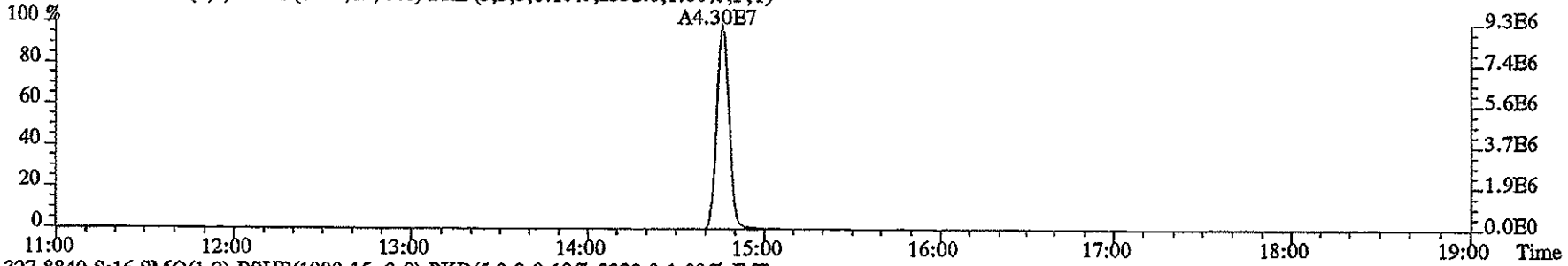
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN



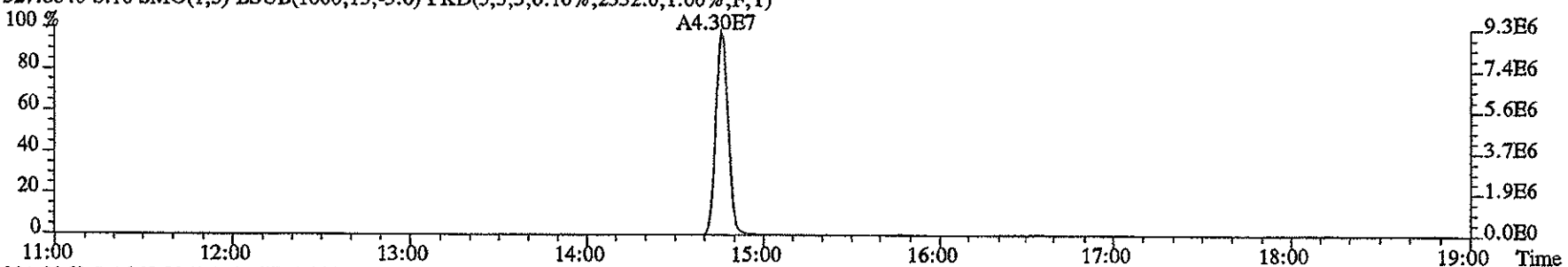
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN



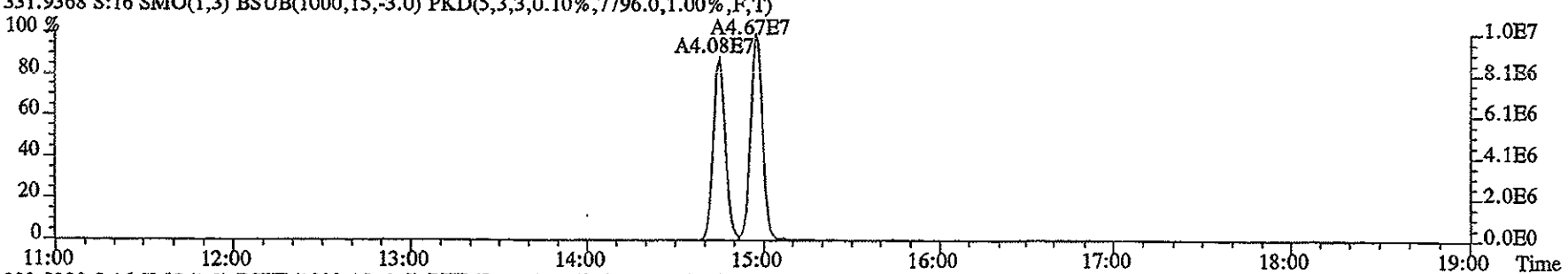
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)



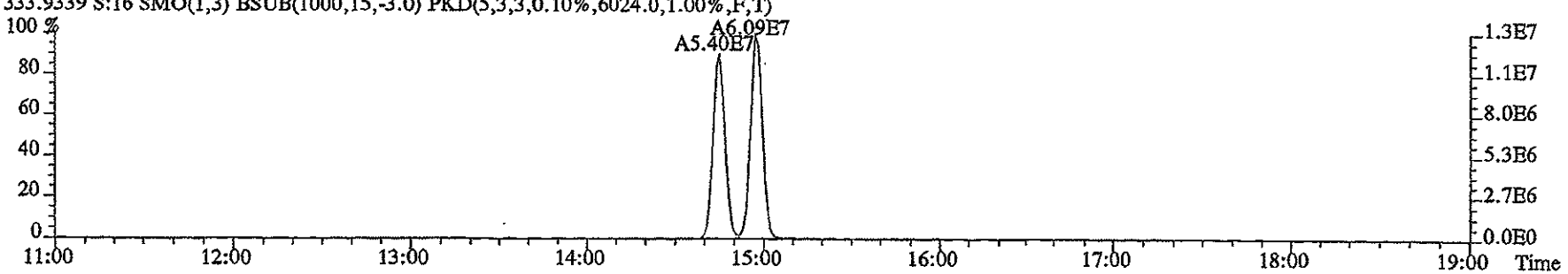
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)



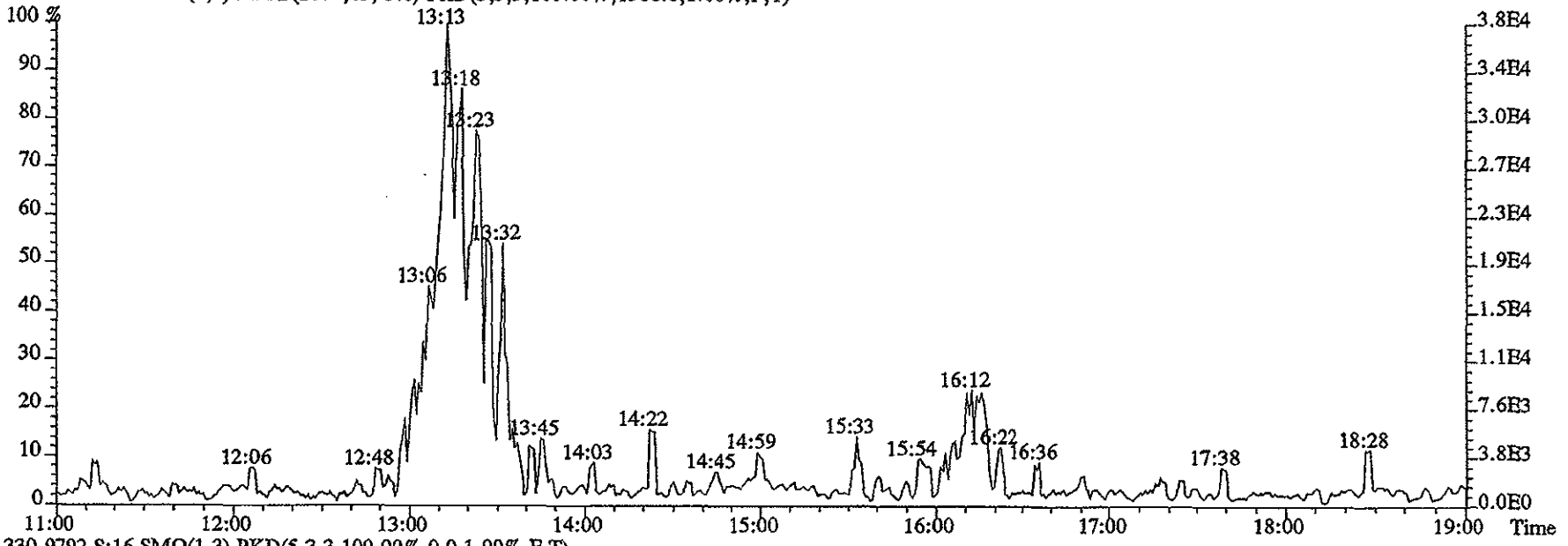
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7796.0,1.00%,F,T)



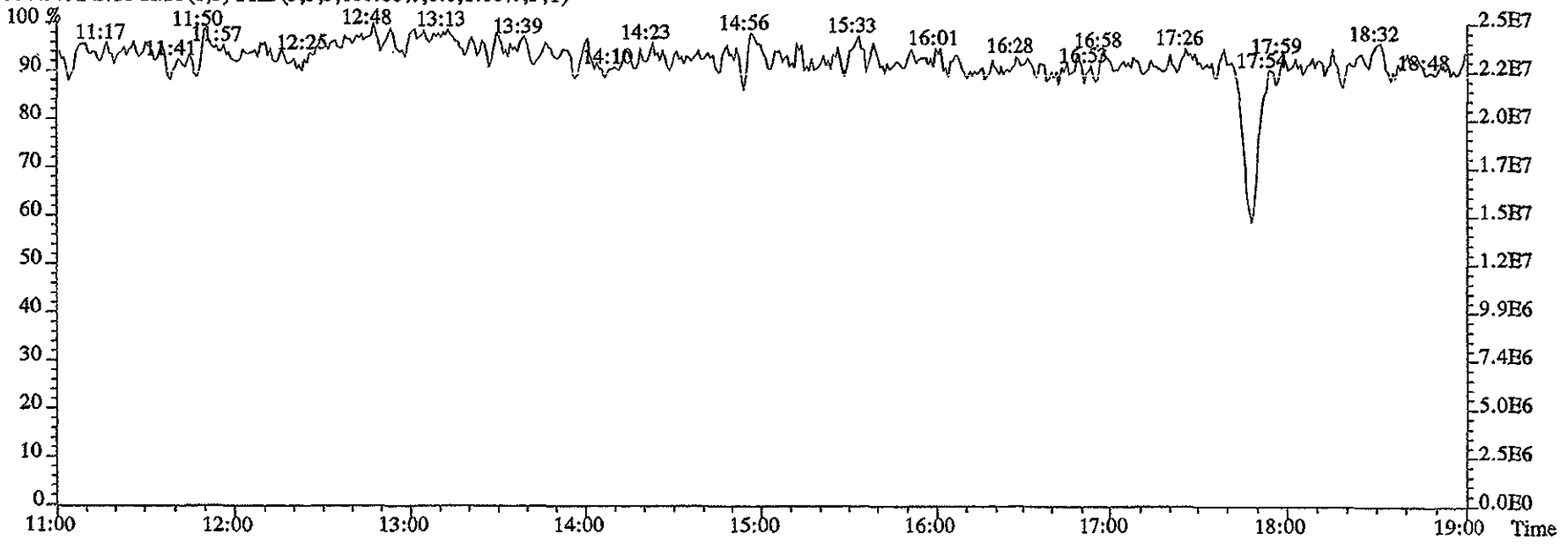
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)



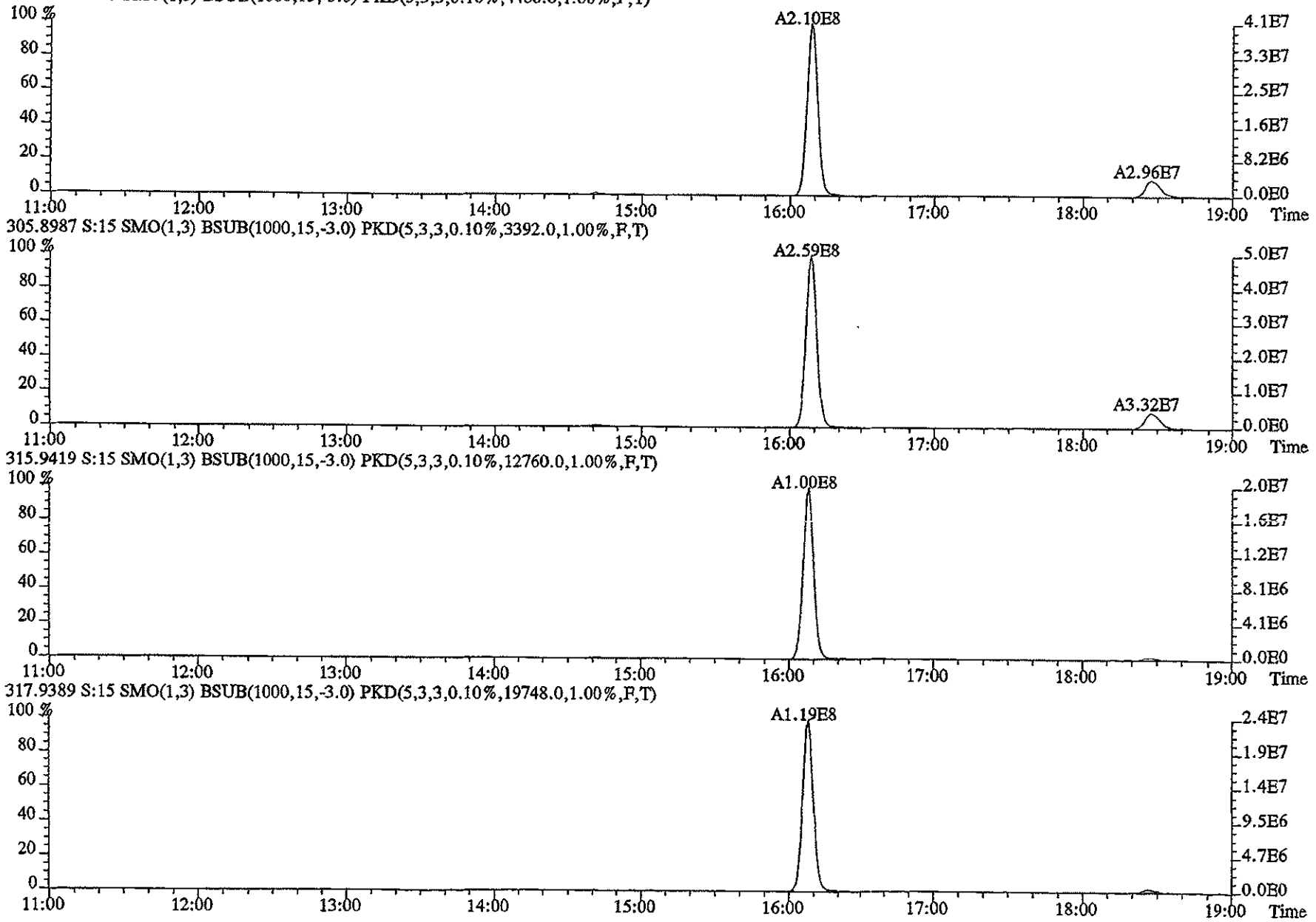
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)



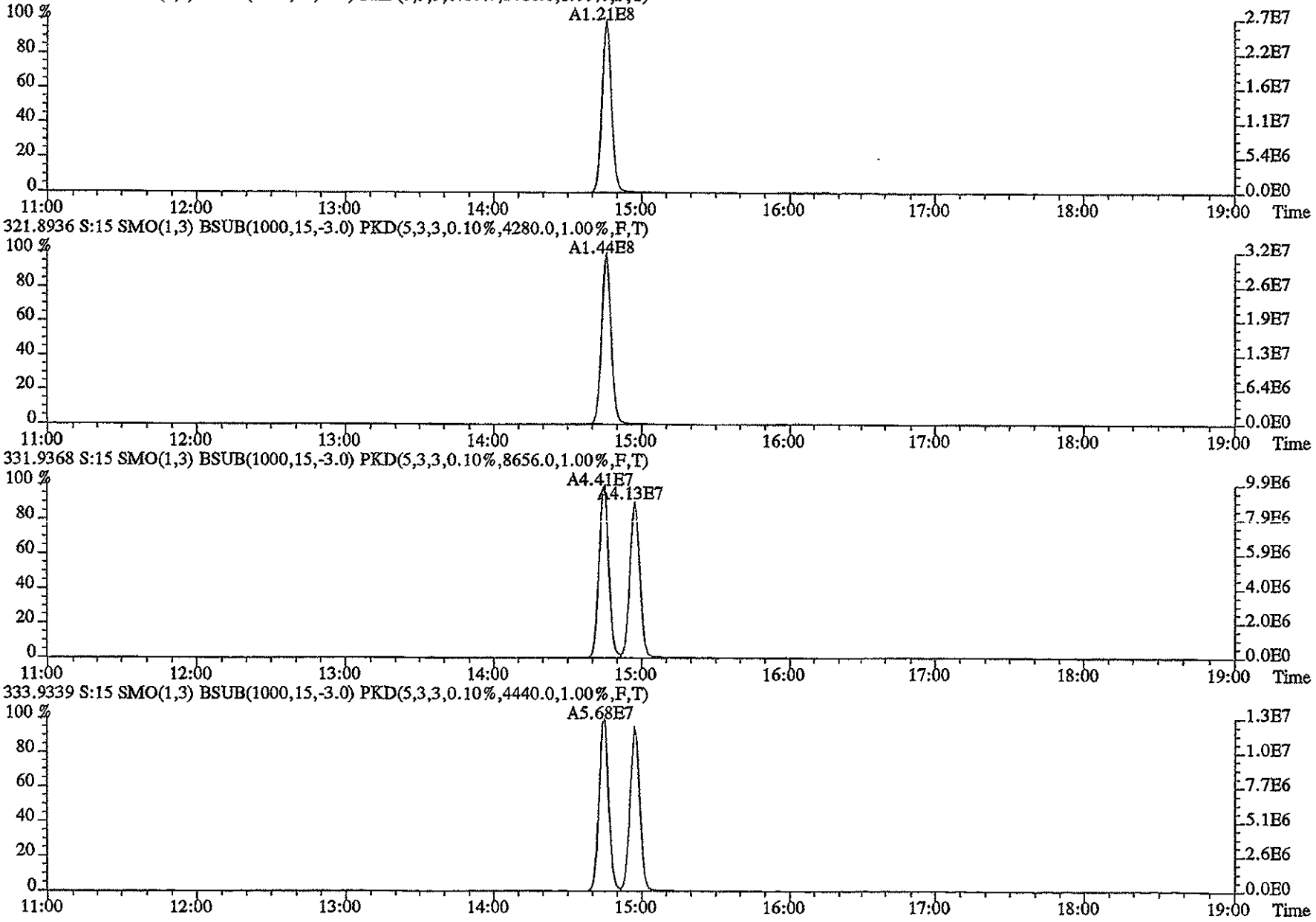
330.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



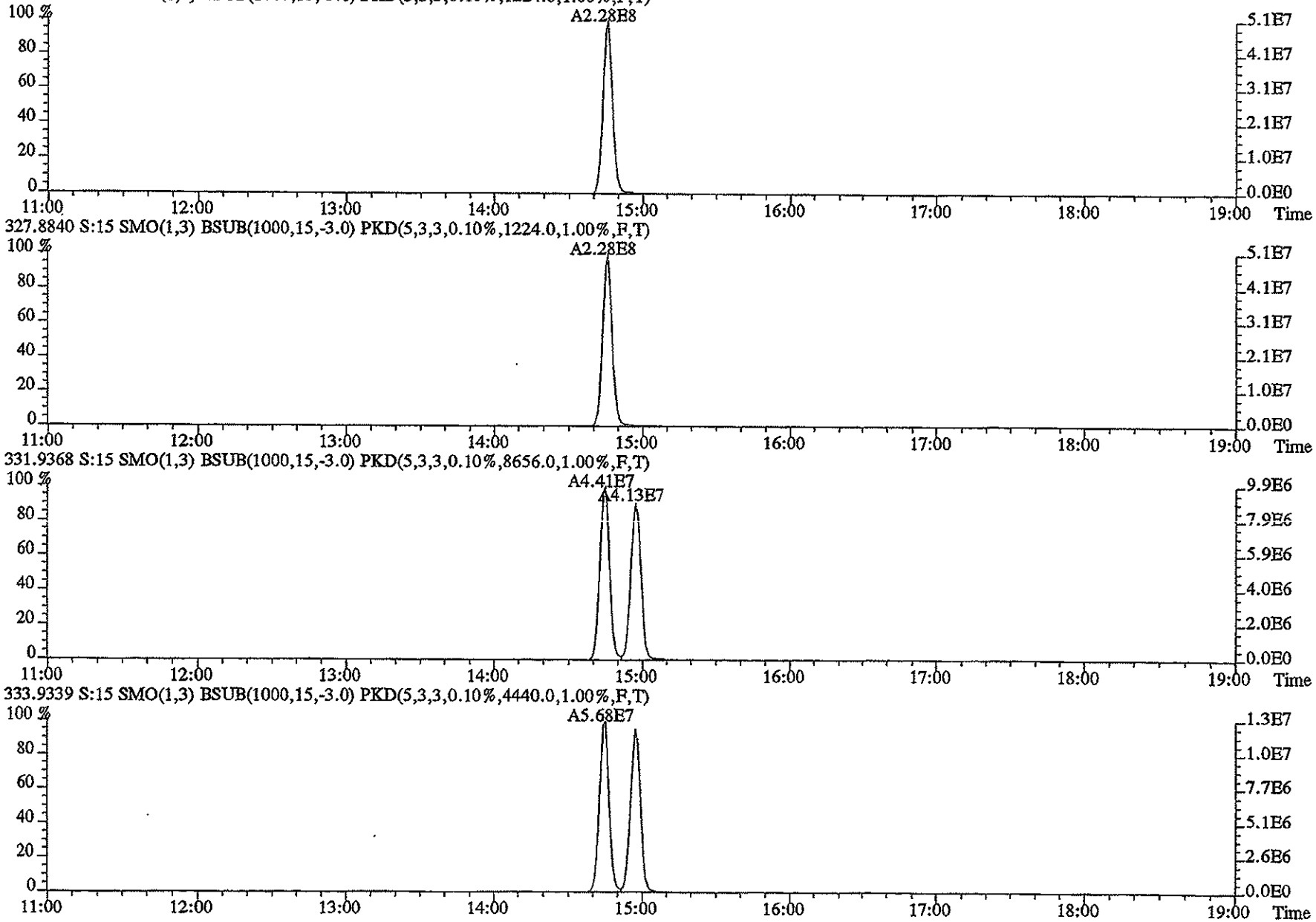
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN



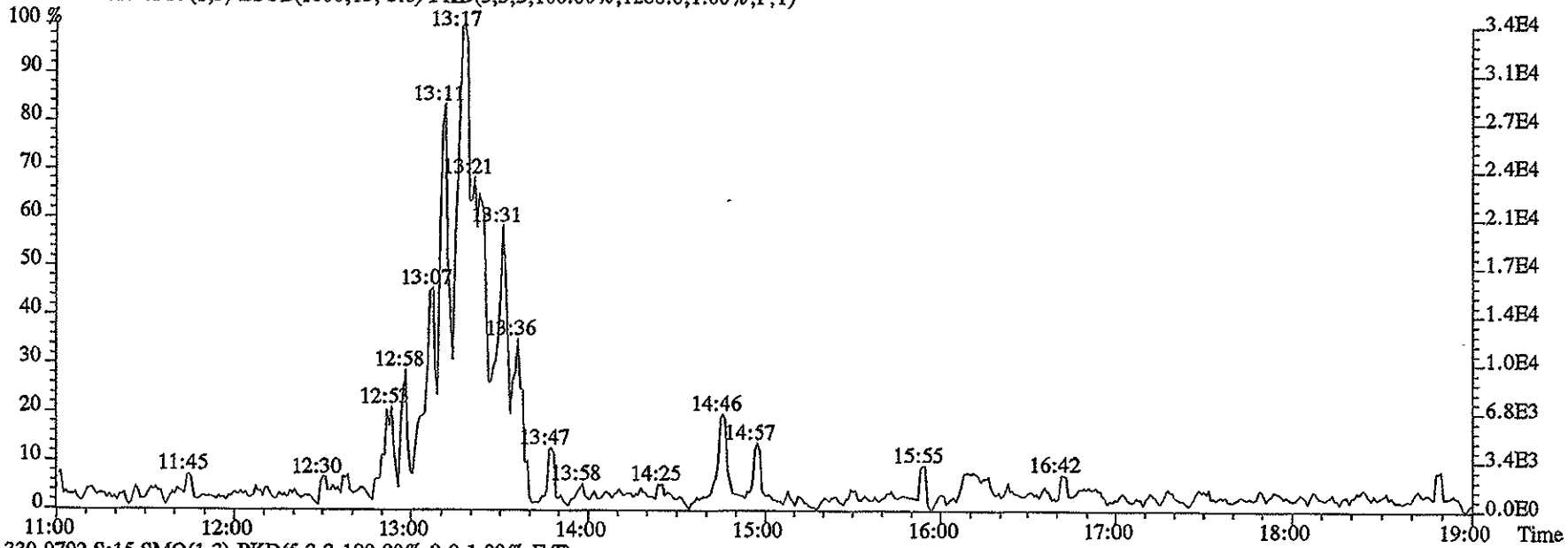
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN



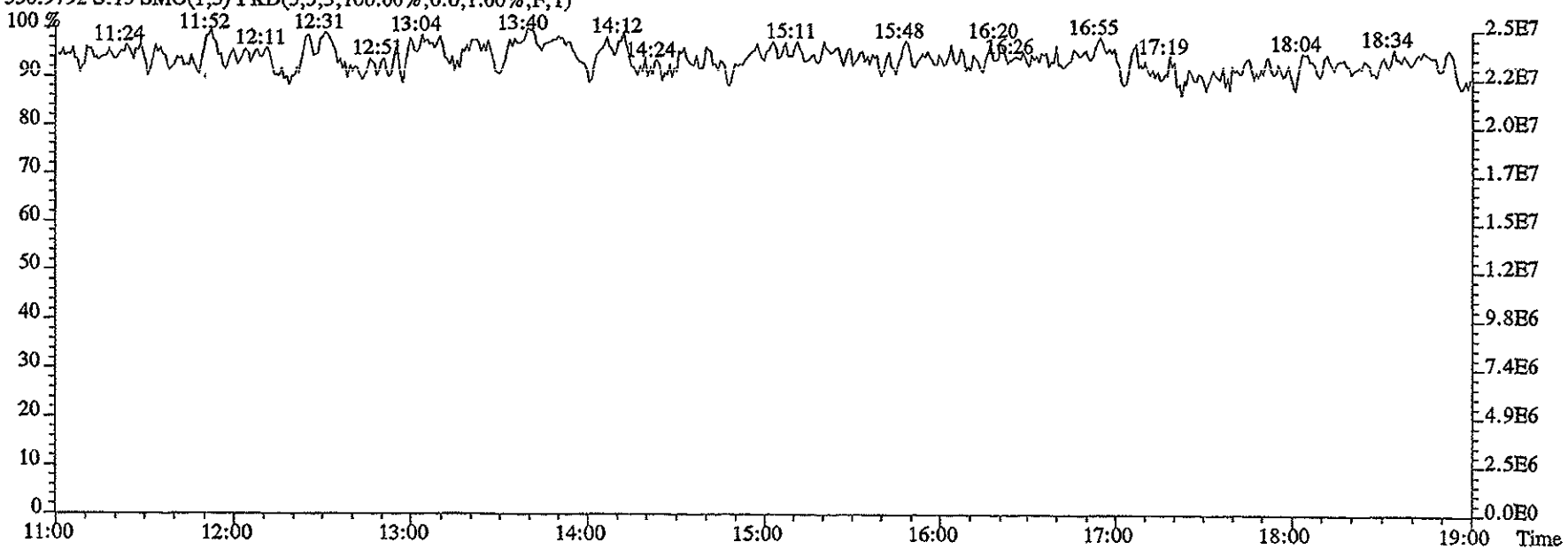
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN



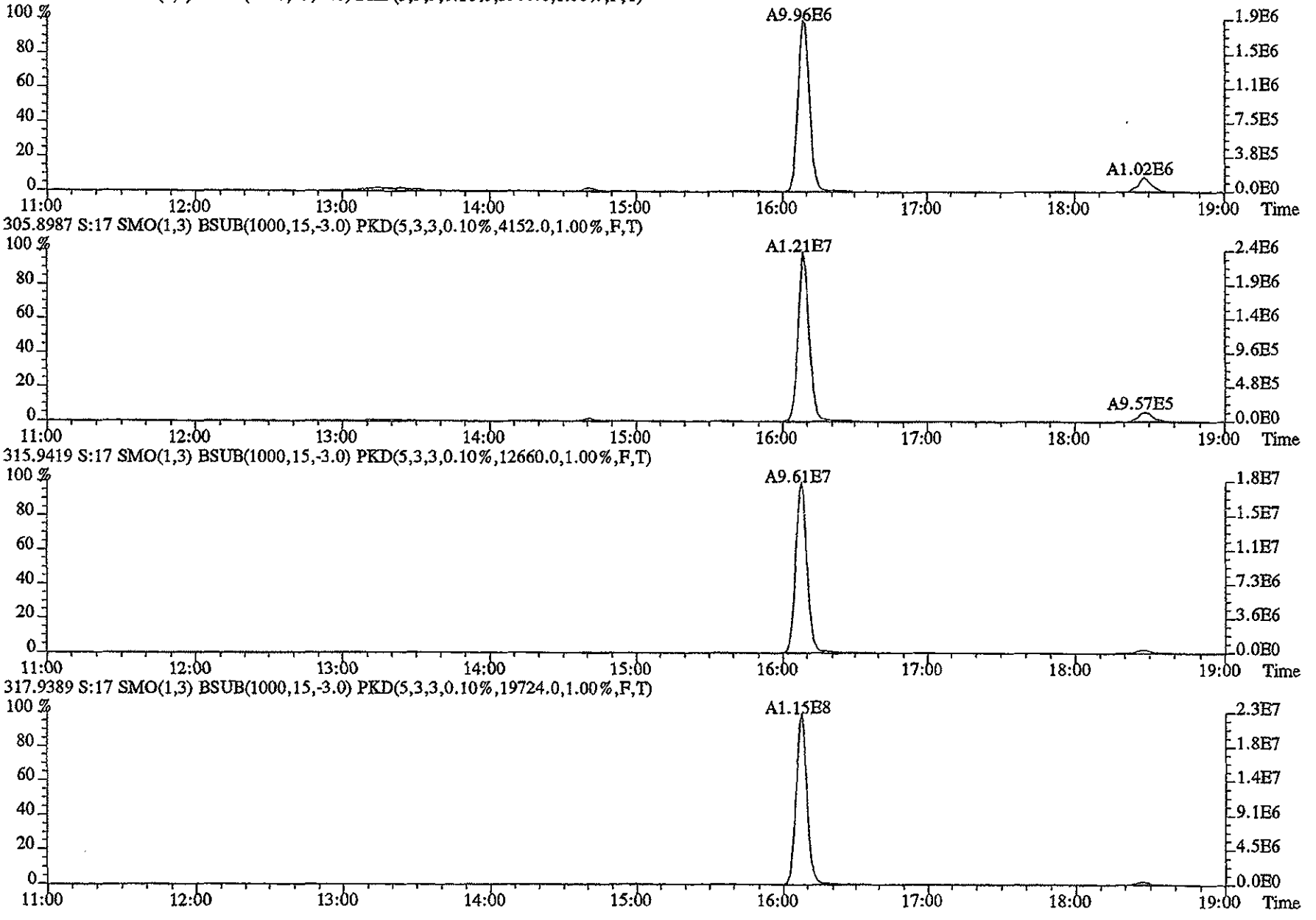
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN
375.8364 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1288.0,1.00%,F,T)



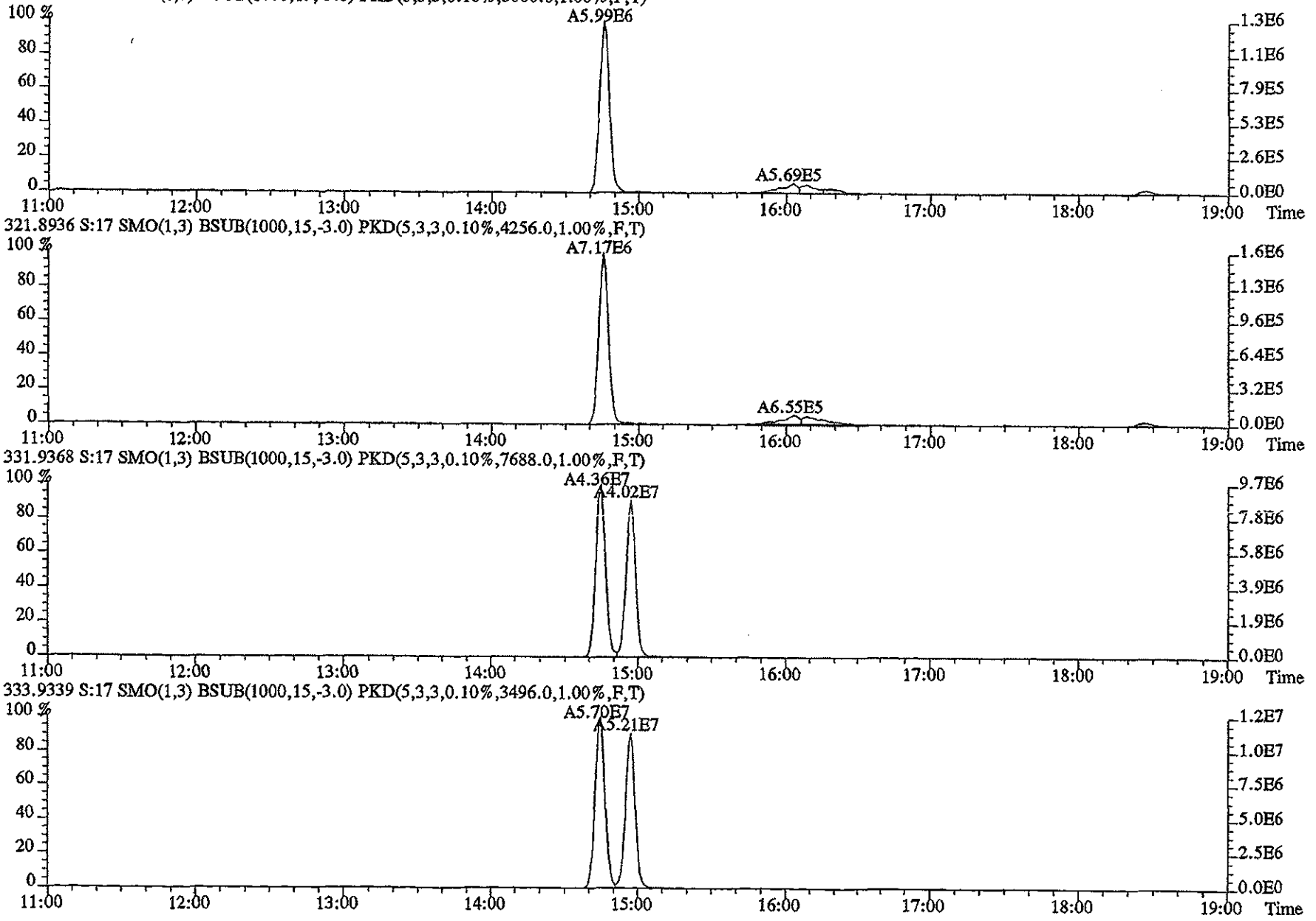
330.9792 S:15 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



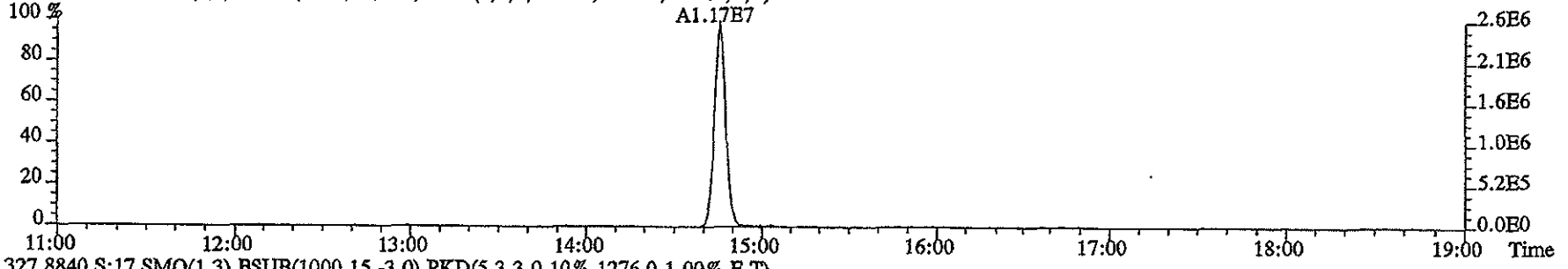
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN



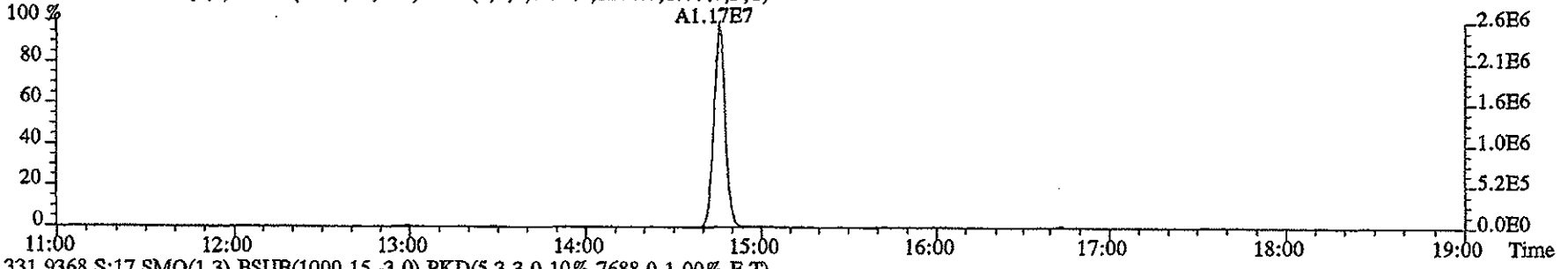
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN



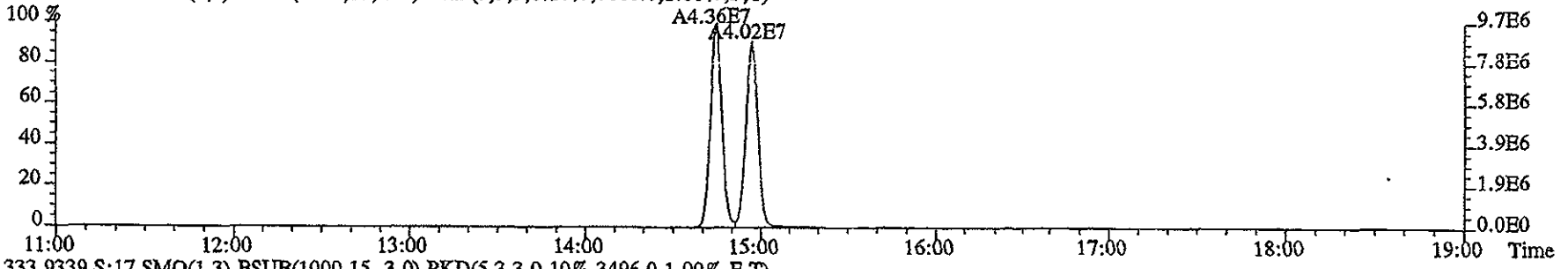
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



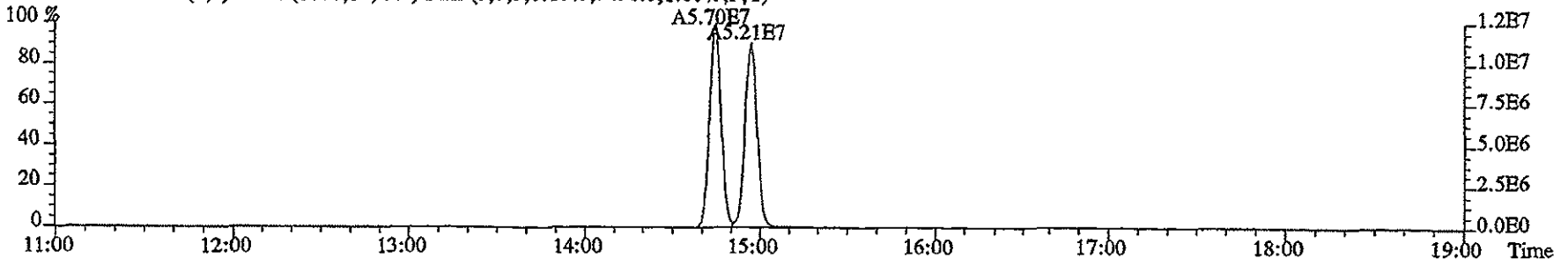
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



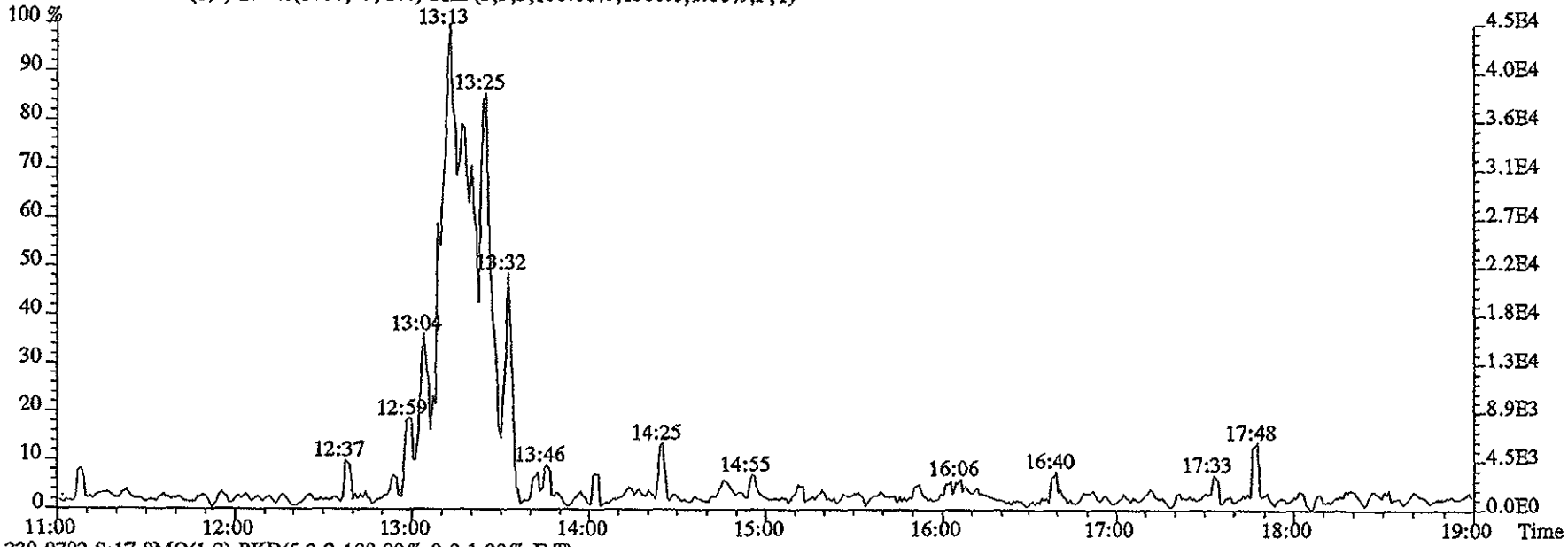
331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7688.0,1.00%,F,T)



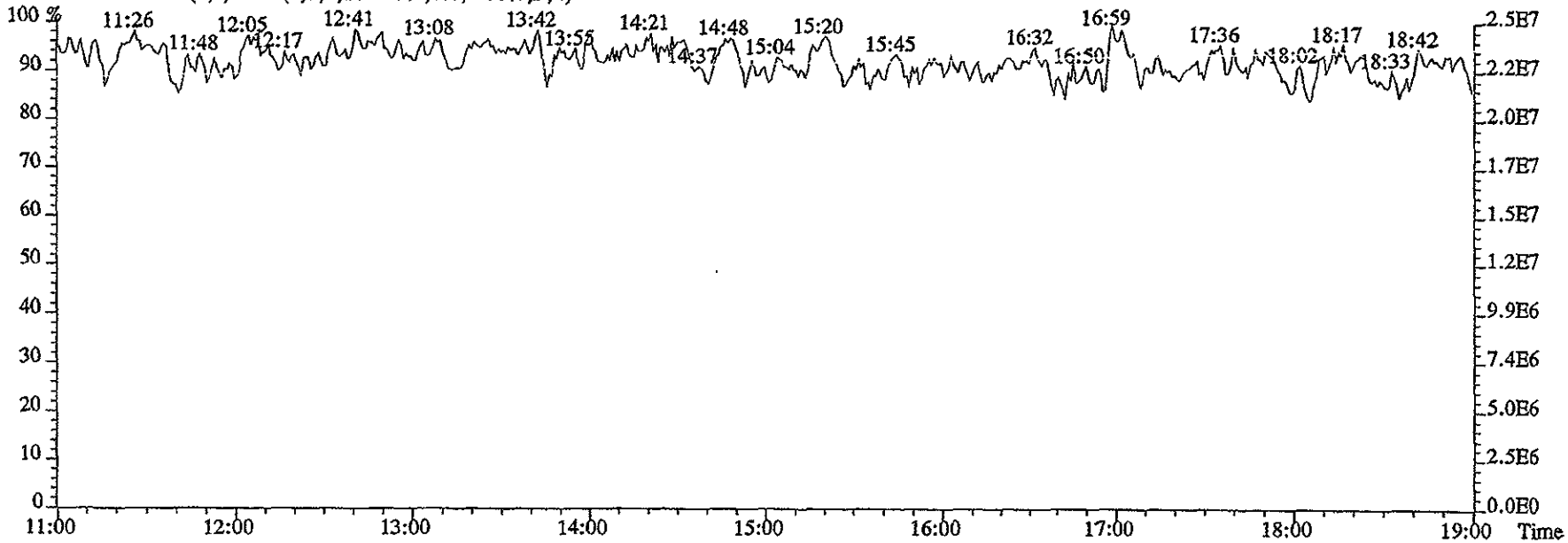
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



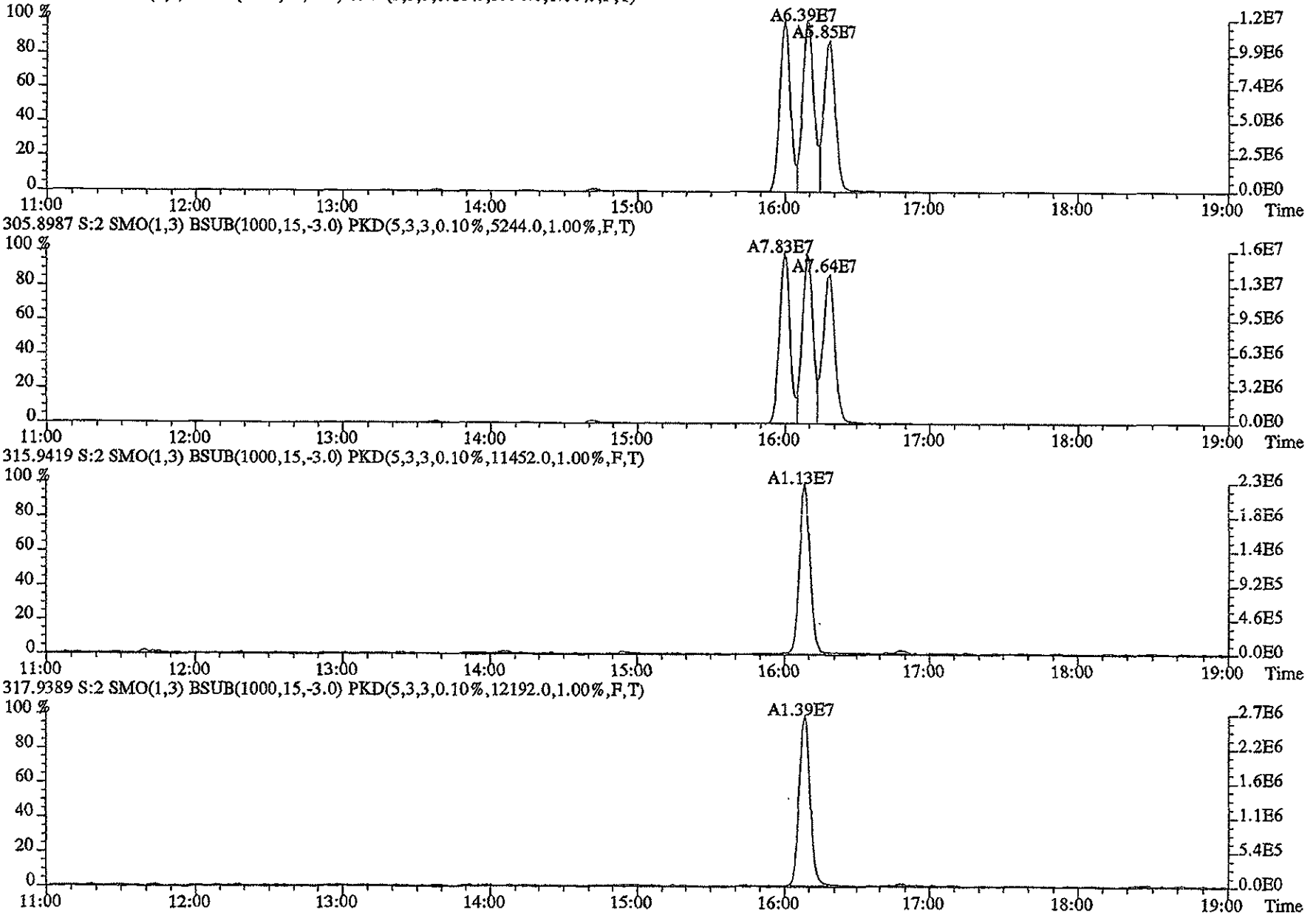
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
375.8364 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1360.0,1.00%,F,T)

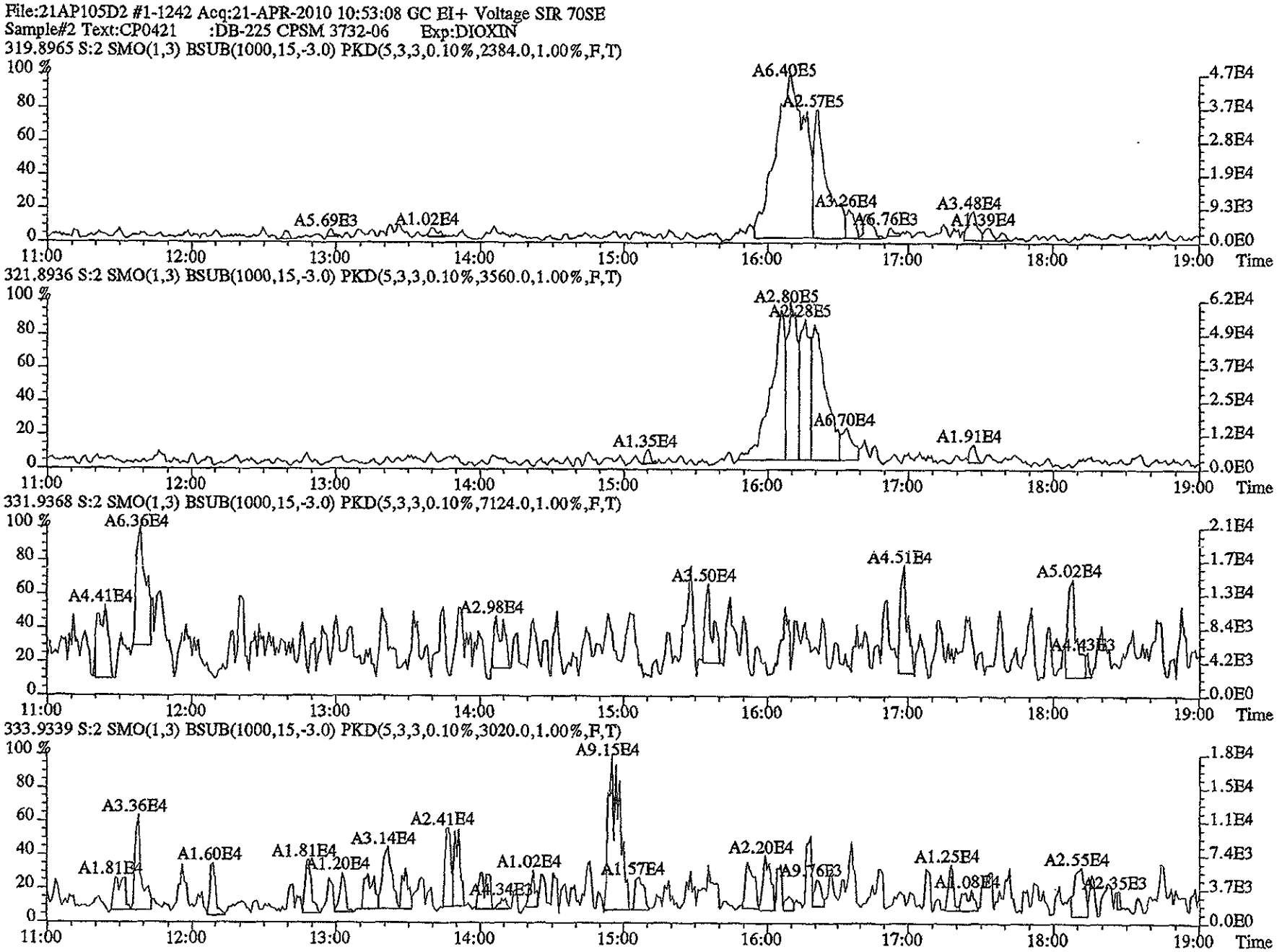


330.9792 S:17 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

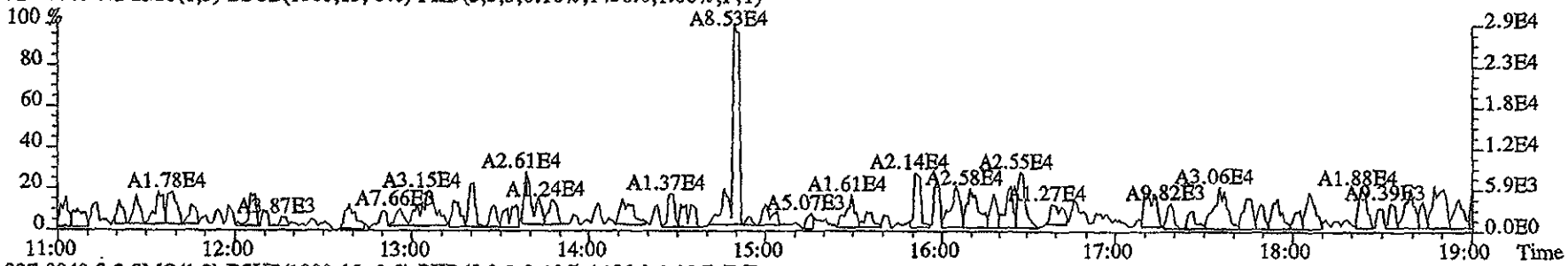


File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN

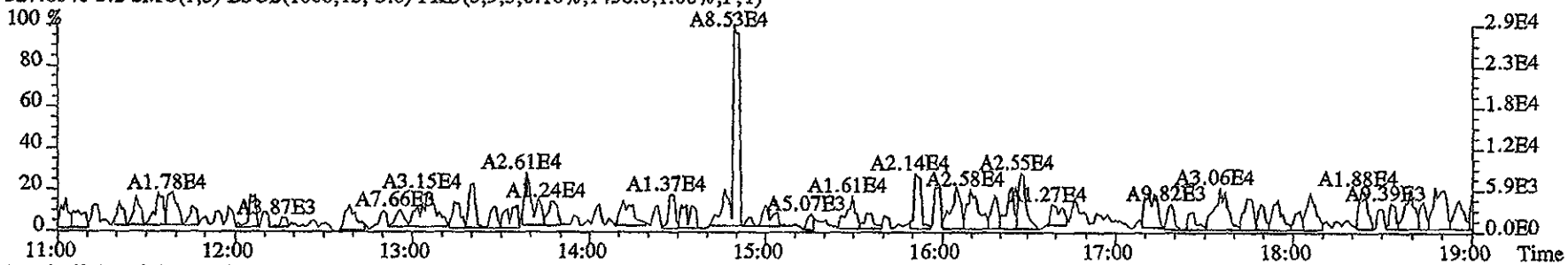




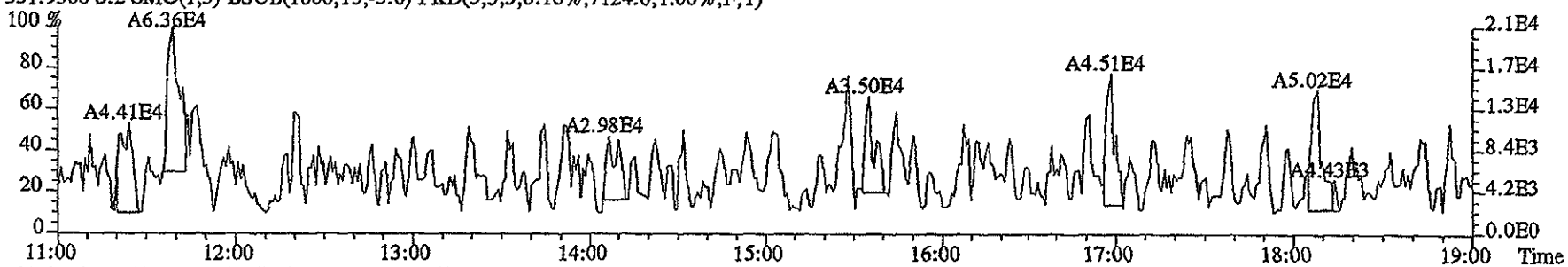
File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456.0,1.00%,F,T)



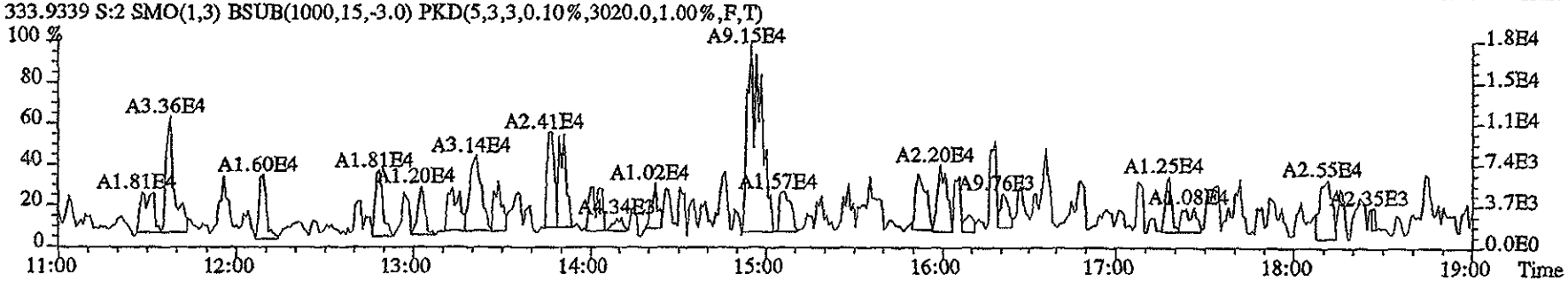
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456.0,1.00%,F,T)



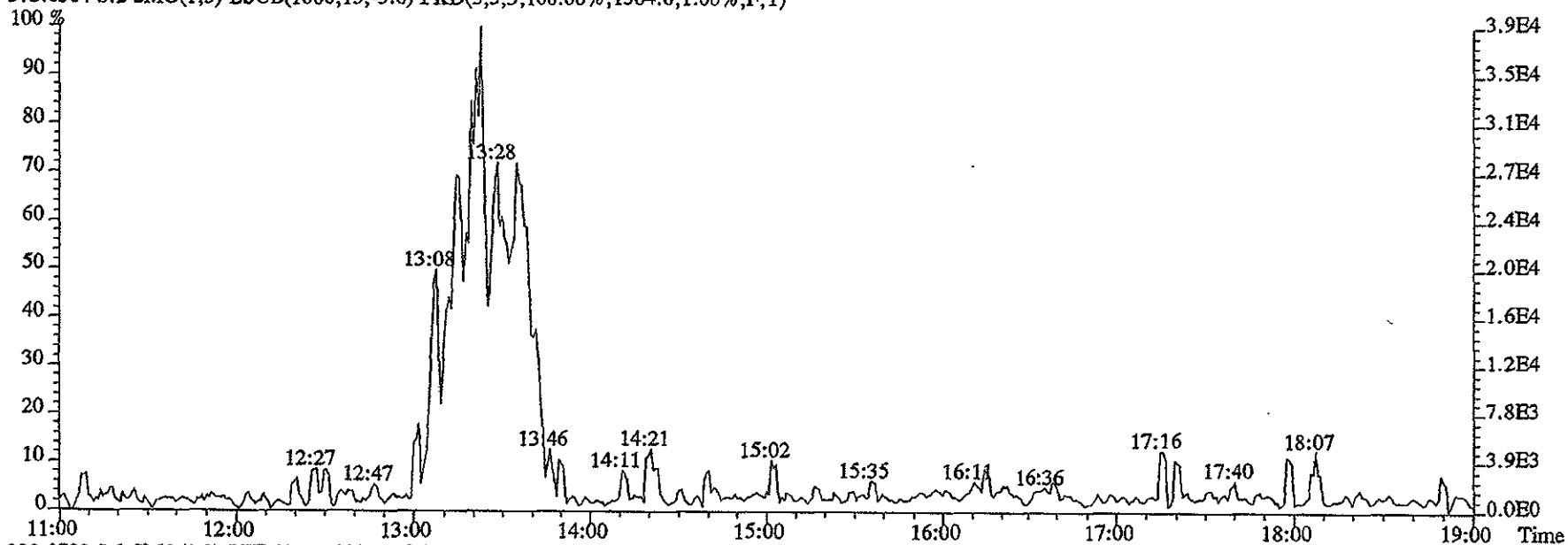
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7124.0,1.00%,F,T)



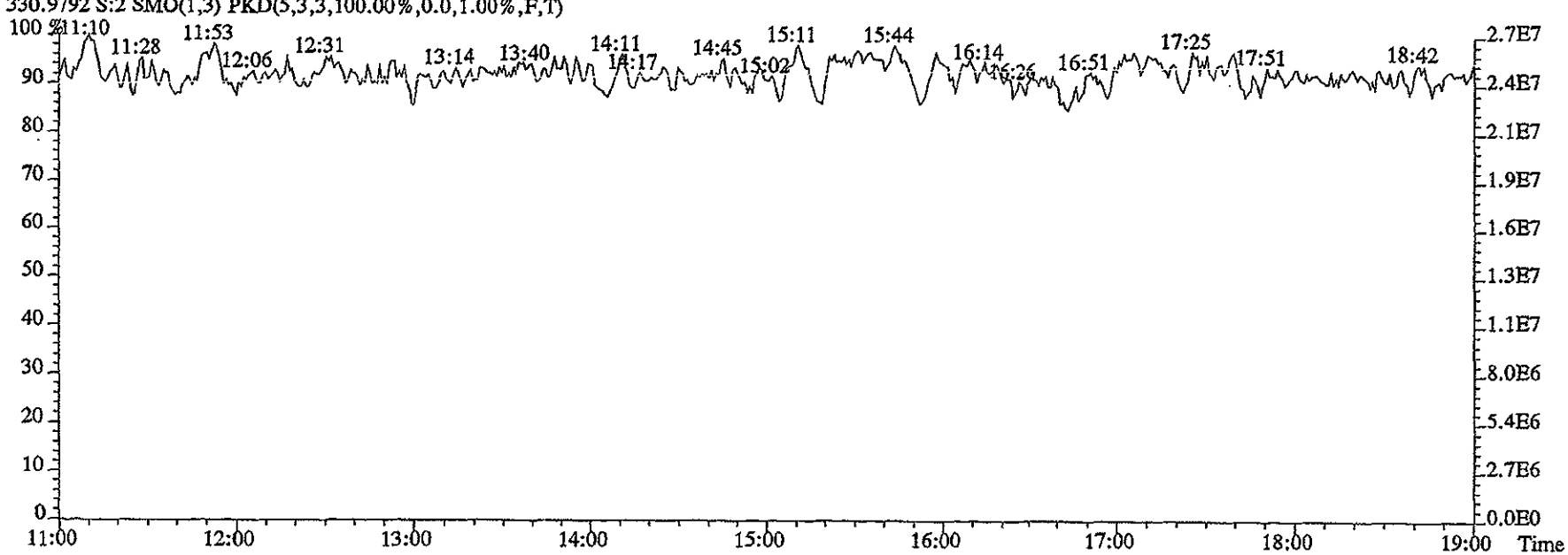
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3020.0,1.00%,F,T)



File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)



330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Sample Extraction/Preparation Log Copies and Checklists

G0D170485

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Solid Extraction

Batch: 0113286
MS Run #.
Prep Date: 4/23/2010

Box # 80

Shared QC Batch: none

Shares QC With: NA

Internal COC:	
Delivered to Inst.:	4/24/10
Inst Receipt:	

Method: IN 8290
Matrix: A SOLID
Extraction: 4W SOXHLET (NOMINAL)
QC. 01 STANDARD TEST SET
SAC: IN - A - 4W - 01

Soxhlet time on: 1420 Soxhlet time off: 2030

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	(A1N2)
Hexane	Baker	H37E41
H2SO4	Baker	H35F03
20% DCM:Hexane	NA	3630-531
65% DCM:Hexane	NA	3630-534F
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	Origin	22-24
Acid Alumina	MP	101
5% Carbon:Silica Gel	NF	NA

Extraction Table

10 dil 4/24/10

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size *	Final Volume 20uL	Final Volume Other	Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
G0D160435 - 11		LX3AJ1AD	5/14/2010	10.10	V		6/7/2010	E2-1847	R-78C	9
G0D160486 - 40		LX3XF1AE	5/14/2010	10.28	V		6/7/2010	E3-4740	NA	4
G0D160486 - 41		LX3XG1AE	5/14/2010	10.25	V		6/7/2010	E4-4836	R-34C	9
G0D170485 - 15		LX5X61AE	5/15/2010	10.24	V		6/7/2010	E5-4842	R-76C	4
G0D170485 - 18		LX50A1AE	5/15/2010	10.55	V		6/7/2010	E6-4841	R-96C	9
G0D200500 - 55		LX8NW1AD	5/16/2010	10.02	V	4/24/10	6/7/2010	E1-1824	R-63C	4
G0D200500 - 55	S	LX8NW1AE	5/16/2010	10.00	V		6/7/2010	E2-1847	NA	9
G0D200500 - 55	D	LX8NW1AF	5/16/2010	10.07	V		6/7/2010	E3-23	NA	4
G0D230000 - 286	B	L0E7V1AA	5/14/2010	10.00	V		6/7/2010	E0-71	NA	9
G0D230000 - 286	C	L0E7V1AC	5/14/2010	10.09	V		6/7/2010	E1-10	R-32C	4

on 4/22/10

TestAmerica West Sacramento (916) 373 - 5600

2200 of 2216

* See attached sheet for sample volumes recorded from scale

Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	1.0ml 10DXN120	10.31.10	CC		4.23.10
Spike Mix LCS/LCSD/MS/MS	50ul 10DXN103	09.11	CC		4.23.10
Cleanup Standard All Samples	1.0ml 10DXN119	04/12/2011			04/24/10
Recovery Standard All Samples	10ul 09DXN388	11/19/10			4/24/10
Soxhlet/Extraction Analyst/Date	04.23.10				

Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
—	T.L 04/24/10	4/24/2010	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/24/10
Time: 14:58:17

LEV 1	LEV 2		LEV 1	LEV 2	
Y	_	Blank	Y	_	Weights/Volumes
Y	_	Check	Y	_	Spike & Surrogate Worksheet
Y	_	MS/MSD	Y	_	Vial contains correct volume
			Y	_	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 403613 Brent Ginn

Concentrationist: 006625 Elizabeth Nguyen

Reviewer/Date: NGUYENE / 4/24/10

QC BATCH: 0113286

PREP DATE: 4/23/10
COMP DATE: 4/23/10

Dioxins/Furans, HRGC/HRMS (8290)
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/14/10	4/29/10	G0D160435-011 **LX3AJ-1-AD**	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN120
COMMENTS:															
5/14/10	4/23/10	G0D160486-040 **LX3XF-1-AE**	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN120
COMMENTS:															
5/14/10	4/23/10	G0D160486-041 **LX3XG-1-AE**	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN120
COMMENTS:															
5/15/10	4/22/10	G0D170485-015 **LX5X6-1-AE**	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN120
COMMENTS:															
5/15/10	4/22/10	G0D170485-018 **LX50A-1-AE**	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN120
COMMENTS:															
5/16/10	4/23/10	G0D200500-055 **LX8NW-1-AD**	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN120
COMMENTS:															
5/16/10	4/23/10	G0D200500-055 **LX8NW-1-AES**	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS 10DXN103 1.0ML IS 10DXN120
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/24/10
Time: 14:58:17

****
* *
* QC BATCH: 0113286 *
* *
****

PREP DATE: 4/23/10
COMP DATE: 4/23/10

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
5/16/10	4/23/10	G0D200500-055 **LX8NW-1-AF**D	R	4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS 10DXN103 1.0ML IS 10DXN120
COMMENTS:															
5/14/10	0/00/00	G0D230000-286 **L0E7V-1-AA**B		4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 10DXN120
COMMENTS:															
5/14/10	0/00/00	G0D230000-286 **L0E7V-1-AC**C		4W	IN	SOLID	10.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS 10DXN103 1.0ML IS 10DXN120
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0113286 Test: B2906

Prep Date: 4.23.10 Holding Times: 5/4.10 5/12/10 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. **Holding times checked?** NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: _____ Date: 4/23/10

2nd Level Reviewer: _____ Date: 4/24/10

Comments:

TestAmerica West Sacramento

Data Checklist
HRGCMS/LRGCMS Analyses

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0113286 Method ID: 8290

	DB-5	DB-225
Data Analyst:	OS	OS
Date initiated:	05-12-10	05-12-10
Reviewer:	Murray	Murray
Date reviewed:	5/17/2010	5/17/2010

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	✓	✓
-Method Blank present?	✓	✓	NA	NA
-LCS/DCS copy present and meets native recovery criteria?	✓	✓	NA	NA
-Internal standard recoveries within limits?*	①②	①②	①	①
-Ion ratios within + 15% of theoretical values?	✓	✓	✓	✓
-Other QC (Dup,MS,SD) within specs?**	✓	✓	✓	✓

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓	✓	✓
-All raw data present?	✓	✓	✓	✓
-Standard target DL's used? If RL's are used specify:_____	✓	✓	✓	✓
-DL's below TDL / LCL (please circle)?	✓	✓	✓	✓
-All positives reported at levels greater than method blank DL's?	✓	✓	✓	✓
-Correct RRF's used for method?	✓	✓	✓	✓
-Internal standard amounts correct for method?	✓	✓	✓	✓
-Target analytes are not saturated?	✓	✓	✓	✓
-Dilution/splitting of extract taken into account?	✓	✓	✓	✓
-Have dilution calculations been verified?	✓	✓	✓	✓
-Has a manual calculation for the sequence(s) been verified?	✓	✓	✓	✓
-Are retention times (RT) correct?	✓	✓	✓	✓
-Manual integrations checked?	✓	✓	NA	NA

Comments: (Use other side if necessary)

① Low IS recoveries see NCM # 07-0106645

② high IS recovery see NCM # 07-0106646

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(CI4-CI6), 25-130%(CI7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

QA-371 07/99 MAF

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Sample Dilution Record

Method ID 8290 Lot # G0D170485

Analyst (Print Name) Kyle Stephens Analyst Initials KSS

Date 5-10-10

Sample#	Original F.V. (uL)	Aliquot (uL)	Dilution F.V. (uL)	Dilution Factor
-15	10.0	1.0	20	20x
-18	10.0	1.0	20	20x

Comments:

#15 (saturation) #18 ↑ TCDF

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Solid Extraction

Batch: 0110455
MS Run #: 0110281
Prep Date: 4/20/2010

Shared QC Batch: same
Shares QC With: NA

Internal COC:	
Delivered to Inst.:	4/22/10
Inst Receipt:	

Box # 77

Method: IN 8290
Matrix: A SOLID
Extraction: 4W SOXHLET (NOMINAL)
QC: 01 STANDARD TEST SET
SAC: IN - A - 4W - 01
Soxhlet time on: 20:30 (4-20-10)
Soxhlet time off: 23:30 (4-20-10)

Prep Reagents

Reagent	Supplier	Lot #
Toluene	Baker	CAINSI
Hexane	Baker	H37E41
H2SO4	Baker	H35F03
20% DCM:Hexane	NA	3630-53F
65% DCM:Hexane	NA	3630-54F
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	Whatman	22-24
Acid Alumina	MP	19
5% Carbon:Silica Gel	NA	NA

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom	Final Volume 20uL	Final Volume Other	Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
G0D080425 - 50		LX6LV1AC	5/6/2010	10.17	✓		6/4/2010	C3-50	NA	4
G0D140543 - 10		LX0PR1AE	5/12/2010	10.05	✓		6/4/2010	C4 3	NA	9
G0D140543 - 10	S	LX0PR1AF	5/12/2010	10.02	✓		6/4/2010	C5 68	R-41C	4
G0D140543 - 10	D	LX0PR1AG	5/12/2010	10.12	✓		6/4/2010	C6 46	R-69C	9
G0D150462 - 11		LX1HN1AD	5/13/2010	10.81	✓		6/4/2010	[illegible]	R-52C	4
G0D160435 - 1		LX2951AD	5/15/2010	10.49	✓		6/4/2010	C8 D2 17	R-68C	9
G0D160435 - 3		LX2991AD	5/15/2010	10.02	✓		6/4/2010	C9 D3 36	R-66C	4
G0D160435 - 5		LX3AC1AD	5/15/2010	10.61	✓		6/4/2010	C10 D4 54	R-89C	9
G0D160435 - 9		LX3AG1AD	5/14/2010	10.10	✓		6/4/2010	D5 71	R-43C	4
G0D160435 - 13		LX3AL1AD	5/14/2010	10.42	✓		6/4/2010	D6 101	R-64C	9
G0D160435 - 19		LX3AT1AC	5/14/2010	10.46	✓		6/4/2010	E1 35	NA	4
G0D160437 - 1		LX3A01AC	5/14/2010	10.08	✓		6/4/2010	E2 6A	R-60C	9
G0D160437 - 3		LX3A91AC	5/14/2010	10.16	✓		6/4/2010	E3 20	NA	4
G0D170485 - 1		LX5XK1AC	5/15/2010	10.09	✓		6/4/2010	E4 8	NA	9
G0D170485 - 5		LX5XP1AC	5/15/2010	10.08	✓	4/22/10	6/4/2010	E5 51	R-96C	4
G0D170485 - 6		LX5XR1AC	5/15/2010	10.14	✓		6/4/2010	E6 52	NA	9
G0D170488 - 1		LX50Q1AC	5/15/2010	10.06	✓		6/4/2010	F1 27	R-74C	4
G0D170488 - 3		LX50T1AC	5/15/2010	10.45	✓		6/4/2010	F2 48	R-76C	9
G0D170489 - 3		LX51F1AC	5/14/2010	10.07	✓		6/4/2010	F3 37	NA	4
G0D170491 - 1		LX5131AC	5/15/2010	10.14	✓		6/4/2010	F4 17	R-78C	9
G0D170491 - 3		LX5151AC	5/15/2010	10.11	✓		6/4/2010	F5 64	R-71C	4
G0D170491 - 5		LX5171AC	5/15/2010	10.05	✓		6/4/2010	F6 41	R-40C	9
G0D200000 - 455	B	LX85A1AA	5/15/2010	10.00	✓		6/4/2010	C1 15	R-65C	4
G0D200000 - 455	C	LX85A1AC	5/15/2010	10.00	✓		6/4/2010	C2 66	R-53C	9

Q:\FORMS\QA-546 ATG Log Dioxin_Solid.xls **Batch: 0110455** Page 1 of 2 4/20/2010 3:55:34 PM QA-546 3/5/2010 MAF

* See attached sheet for sample volumes recorded from scale

Comments/NCMs: * While vote-vaping, some toluene leaked into the samples; may have caused contamination. EMQ 4/21/2010

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	1mL 100XN120	10-31-10	AM	am	4-20-10
Spike Mix LCS/LCSD/MS/MS	50uL 100xN103	10 per A-20-10 3-9-11	AM	am	4-20-10
Cleanup Standard All Samples	1.0mL 10DXN1119	04/12/2011	T.L		04/21/10
Recovery Standard All Samples	100 uL 090XN388	11/19/10			4/22/10
Soxhlet Extraction Analyst/Date	AM 4-20-10				

Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
—	T.L 4/21/10	EMQ 4/21/2010	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:28

LEV 1	LEV 2		LEV 1	LEV 2	
Y	_	Blank	Y	_	Weights/Volumes
Y	_	Check	Y	_	Spike & Surrogate Worksheet
Y	_	MS/MSD	Y	_	Vial contains correct volume
			Y	_	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 006625 Elizabeth Nguyen

Concentrationist: 006625 Elizabeth Nguyen

QC BATCH: 0110455

PREP DATE: 4/20/10 20:30
COMP DATE: 4/22/10 23:30

Reviewer/Date: NGUYENE / 4/22/10

Dioxins/Furans, HRGC/HRMS (8290)
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/12/10	4/29/10	G0D140543-010 **LX0PR-1-AE**		4W	IN	SOLID	**10.05g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/12/10	4/29/10	G0D140543-010 **LX0PR-1-AFS**		4W	IN	SOLID	**10.02g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120
COMMENTS:															
5/12/10	4/29/10	G0D140543-010 **LX0PR-1-AGD**		4W	IN	SOLID	**10.12g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120
COMMENTS:															
5/13/10	4/29/10	G0D150462-011 **LX1HN-1-AD**		4W	IN	SOLID	**10.81g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	4/29/10	G0D160435-001 **LX295-1-AD**	R	4W	IN	SOLID	**10.49g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	4/29/10	G0D160435-003 **LX299-1-AD**	R	4W	IN	SOLID	**10.02g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	4/29/10	G0D160435-005 **LX3AC-1-AD**	R	4W	IN	SOLID	**10.61g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:28

QC BATCH: 0110455

PREP DATE: 4/20/10 20:30
COMP DATE: 4/22/10 23:30

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/14/10	4/29/10	G0D160435-009 **LX3AG-1-AD**	R	4W	IN	SOLID	**10.10g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/14/10	4/29/10	G0D160435-013 **LX3AL-1-AD**	R	4W	IN	SOLID	**10.42g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/14/10	4/29/10	G0D160435-019 **LX3AT-1-AC**	R	4W	IN	SOLID	**10.46g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/14/10	5/03/10	G0D160437-001 **LX3A0-1-AC**		4W	IN	SOLID	**10.08g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/14/10	5/03/10	G0D160437-003 **LX3A9-1-AC**		4W	IN	SOLID	**10.16g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	4/22/10	G0D170485-001 **LX5XK-1-AC**	R	4W	IN	SOLID	**10.09g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	4/22/10	G0D170485-005 **LX5XP-1-AC**	R	4W	IN	SOLID	**10.08g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	4/22/10	G0D170485-006 **LX5XR-1-AC**	R	4W	IN	SOLID	**10.14g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	5/03/10	G0D170488-001 **LX50Q-1-AC**		4W	IN	SOLID	**10.06g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	5/03/10	G0D170488-003 **LX50T-1-AC**		4W	IN	SOLID	**10.45g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:28

QC BATCH: 0110455

PREP DATE: 4/20/10 20:30
COMP DATE: 4/22/10 23:30

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/14/10	5/03/10	G0D170489-003 **LX51F-1-AC**		4W	IN	SOLID	**10.07g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	5/03/10	G0D170491-001 **LX513-1-AC**		4W	IN	SOLID	**10.14g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	5/03/10	G0D170491-003 **LX515-1-AC**		4W	IN	SOLID	**10.11g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	5/03/10	G0D170491-005 **LX517-1-AC**		4W	IN	SOLID	**10.05g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/06/10	4/22/10	G0D080425-050 **LX6LV-1-AC**		4W	IN	SOLID	**10.17g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	0/00/00	G0D200000-455 **LX85A-1-AAB**		4W	IN	SOLID	**10.00g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:															
5/15/10	0/00/00	G0D200000-455 **LX85A-1-ACC**		4W	IN	SOLID	**10.00g** 20.00uL	NA	NA	NA	TOL	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 24

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0110455 Test: 8290

Prep Date: 4-20-10 Holding Times: 5-6-10 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. **Holding times checked?** NCMs filed as appropriate	✓	
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	
5. Spiking volumes are correctly documented	✓	
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	
2. Balance upload or raw data for weights is included	NA	
3. Weights and volumes have been transcribed correctly to LIMS.	NA	
4. Weights are not targeted to meet exact weights.	NA	
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	
2. Are dates and analysts for cleanups recorded?	NA	
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	
2. QuantIMs entry correct, including dates and times.	NA	
3. Are all fields completed?	NA	

Spike witness: am Date: 4-20-10

2nd Level Reviewer: [signature] Date: 4/22/10

Comments:

TestAmerica West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Checklist
HRGCMS/LRGCMS Analyses

Batch #: 0110455 Method ID: 8290

	DB-5	DB-225
Data Analyst:	OS	OS
Date initiated:	05-11-10	05-11-10
Reviewer:	Murray	Murray
Date reviewed:	5/14/2010	5/14/2010

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	✓	✓
-Method Blank present?	✓	✓	✓	✓
-LCS/DCS copy present and meets native recovery criteria?	✓	✓	✓	✓
-Internal standard recoveries within limits?*	①	①	✓	✓
-Ion ratios within + 15% of theoretical values?	✓	✓	✓	✓
-Other QC (Dup,MS,SD) within specs?**	✓	✓	✓	✓

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓	✓	✓
-All raw data present?	✓	✓	✓	✓
-Standard target DL's used? If RL's are used specify:_____	✓	✓	✓	✓
-DL's below TDL / LCL (please circle)?	✓	✓	✓	✓
-All positives reported at levels greater than method blank DL's?	✓	✓	✓	✓
-Correct RRF's used for method?	✓	✓	✓	✓
-Internal standard amounts correct for method?	✓	✓	✓	✓
-Target analytes are not saturated?	✓	✓	✓	✓
-Dilution/splitting of extract taken into account?	NA	NA	NA	NA
-Have dilution calculations been verified?	NA	NA	NA	NA
-Has a manual calculation for the sequence(s) been verified?	✓	✓	✓	✓
-Are retention times (RT) correct?	✓	✓	✓	✓
-Manual integrations checked?	✓	✓	NA	NA

Comments: (Use other side if necessary)

① Low IS recoveries see NCM # 07-0106378

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(CI4-CI6), 25-130%(CI7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

QA-371 07/99 MAF

SOLID, D 2216-90, Percent Moisture

% Moisture/Solid Worksheet

QCBATCH: 0112197

Analyzed by: FRANCISF Report created: 4/23/10 9:23:26 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G0D150462-11	LX1HN1AC	1.32	6.03	5.26	0.77	16.35	83.65	0.1		4/23/10 9:21:01 AM
G0D150462-11	LX1HN1AE	1.32	6.13	5.35	0.78	16.22	83.78	0.1		4/23/10 9:21:11 AM
G0D160486-25	LX3WA1AG	1.32	7.30	6.96	0.34	5.69	94.31	0.1		4/23/10 9:21:21 AM
G0D160486-41	LX3XG1AD	1.32	7.27	6.95	0.32	5.38	94.62	0.1		4/23/10 9:21:30 AM
G0D160597-1	LX43P1AA	1.32	5.42	5.33	0.09	2.20	97.80	0.1		4/23/10 9:21:37 AM
G0D170485-1	LX5XK1AD	1.32	6.81	6.55	0.26	4.74	95.26	0.1		4/23/10 9:21:55 AM
G0D170485-5	LX5XP1AD	1.32	9.09	8.25	0.84	10.81	89.19	0.1		4/23/10 9:22:02 AM
G0D170485-6	LX5XR1AD	1.32	8.60	7.80	0.80	10.99	89.01	0.1		4/23/10 9:22:11 AM
F0D200503-12	LX8PM1AA	1.32	7.88	7.02	0.86	13.11	86.89	0.1		4/23/10 9:22:20 AM
F0D200503-13	LX8PN1AA	1.32	8.69	7.95	0.74	10.04	89.96	0.1		4/23/10 9:22:27 AM
F0D200503-14	LX8PQ1AA	1.32	8.57	7.56	1.01	13.93	86.07	0.1		4/23/10 9:22:33 AM
F0D200503-15	LX8PW1AA	1.32	10.98	9.65	1.33	13.77	86.23	0.1		4/23/10 9:22:39 AM
F0D200503-16	LX8P21AA	1.32	7.17	6.48	0.69	11.79	88.21	0.1		4/23/10 9:22:45 AM
F0D200503-17	LX8RR1AA	1.32	6.77	5.91	0.86	15.78	84.22	0.1		4/23/10 9:22:50 AM
G0D210420-1	LX9F31AC	1.32	8.88	2.28	6.60	87.30	12.70	0.1		4/23/10 9:22:56 AM
G0D210495-1	L0AAQ1AA	1.32	9.18	4.18	5.00	63.61	36.39	0.1		4/23/10 9:23:04 AM
F0D210498-1	L0ACA1AA	1.32	8.32	7.77	0.55	7.86	92.14	0.1		4/23/10 9:23:10 AM
F0D210498-2	L0ACC1AA	1.32	7.69	7.64	0.05	0.78	99.22	0.1		4/23/10 9:23:16 AM
F0D210498-7	L0ADA1AA	1.32	6.17	6.09	0.08	1.65	98.35	0.1		4/23/10 9:23:22 AM

All weights are in grams.
Sample weights (wet & dry) include the weight (tare) of the sample pan.
Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).
% Water = (Wt. Diff/(sample wet weight - pan tare))*100
% Solid = 100 - percent Water

% Moisture/Solid Worksheet

QCBATCH: 0113151

Analyzed by: FRANCISF Report created: 4/24/10 7:57:30 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G0D160435-11	LX3AJ1AC	1.32	8.81	8.24	0.57	7.61	92.39	0.1		4/24/10 7:55:17 AM
G0D160435-11	LX3AJ1AE	1.32	7.75	7.17	0.58	9.02	90.98	0.1		4/24/10 7:55:29 AM
G0D160435-15	LX3AN1AD	1.32	13.50	11.93	1.57	12.89	87.11	0.1		4/24/10 7:55:37 AM
G0D160435-19	LX3AT1AD	1.32	7.63	7.21	0.42	6.66	93.34	0.1		4/24/10 7:55:45 AM
G0D160437-1	LX3A01AD	1.32	11.86	11.09	0.77	7.31	92.69	0.1		4/24/10 7:55:55 AM
G0D160437-3	LX3A91AD	1.32	11.21	10.58	0.63	6.37	93.63	0.1		4/24/10 7:56:01 AM
G0D160486-40	LX3XF1AD	1.32	7.28	6.85	0.43	7.21	92.79	0.1		4/24/10 7:56:07 AM
G0D170485-15	LX5X61AD	1.32	8.47	7.66	0.81	11.33	88.67	0.1		4/24/10 7:56:14 AM
G0D170485-18	LX50A1AD	1.32	8.29	7.52	0.77	11.05	88.95	0.1		4/24/10 7:56:19 AM
G0D170488-1	LX50Q1AD	1.32	8.04	7.69	0.35	5.21	94.79	0.1		4/24/10 7:56:26 AM
G0D170488-3	LX50T1AD	1.32	7.12	6.60	0.52	8.97	91.03	0.1		4/24/10 7:56:32 AM
G0D170489-3	LX51F1AD	1.32	6.26	5.90	0.36	7.29	92.71	0.1		4/24/10 7:56:38 AM
G0D170489-5	LX51H1AE	1.32	7.13	6.73	0.40	6.88	93.12	0.1		4/24/10 7:56:45 AM
G0D170491-1	LX5131AD	1.32	6.25	5.82	0.43	8.72	91.28	0.1		4/24/10 7:56:50 AM
G0D170491-3	LX5151AD	1.32	6.59	6.14	0.45	8.54	91.46	0.1		4/24/10 7:56:56 AM
G0D170491-5	LX5171AD	1.32	8.25	7.77	0.48	6.93	93.07	0.1		4/24/10 7:57:02 AM
G0D170492-2	LX5251AE	1.32	6.91	6.33	0.58	10.38	89.62	0.1		4/24/10 7:57:08 AM
G0D170492-12	LX53G1AE	1.32	9.22	8.54	0.68	8.61	91.39	0.1		4/24/10 7:57:13 AM
G0D220480-11	L0C361AA	1.32	13.95	12.32	1.63	12.91	87.09	0.1		4/24/10 7:57:20 AM
G0D220570-1	L0DWQ1AA	1.32	8.92	8.54	0.38	5.00	95.00	0.10		4/24/10 7:57:26 AM

All weights are in grams.
Sample weights (wet & dry) include the weight (tare) of the sample pan.
Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).
% Water = (Wt. Diff/(sample wet weight - pan tare))*100
% Solid = 100 - percent Water

10