TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

April 30, 2010

TestAmerica Project Number: G0D140435
PO/Contract: 10203.0102

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 14, 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 G0D140435

Case Narrative

TestAmerica West Sacramento Project Number G0D140435

SOLID, 8290, Dioxins/Furans
Sample(s): 1, 2, 4
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 above samples. All detection limits are below the lower calibration limit and there is no adverse impact on data quality.

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on April 28, 2010.

Sample(s): 1, 2
The above samples exhibited elevated noise or matrix interferences for several analytes requiring the detection limits to be raised appropriately. These analytes were flagged with the "G" qualifier.

The concentrations of several analytes in the samples 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.

.Sample(s): 4
Several analytes in the method blank (MB) and in the 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.

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 G0D140435

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
LXXQX	1	SSAN6-02-1BPC	4/12/2010 07:26 AM	4/14/2010 08:50 AM
LXXTC	2	SSAN6-02-2BPC	4/12/2010 07:32 AM	4/14/2010 08:50 AM
LXXTR	4	SA156-3BPC	4/12/2010 04:30 PM	4/14/2010 08:50 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.

G0D140435

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environmental management, inc.

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

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Page: 1 of 2
Cooler # of

COC # 02027.01.1911
Total # of Samples: 22
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 #:102	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	See Additional Comments Below

Filtered: No
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.	PNB-SPM-8290 SCREEN	PNB-SPM-8290
[redacted]	SSAN6-02-1BPC	SSAN6-02	SO	G	N	04/12/2010	07:26	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X	H
[redacted]	SSAN6-02-1BPC_FD	SSAN6-02	SO	G	FD	04/12/2010	07:26	1	Hold		H
[redacted]	SSAN6-02-2BPC	SSAN6-02	SO	G	N	04/12/2010	07:32	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X	H
[redacted]	SSAN6-02-3BPC	SSAN6-02	SO	G	N	04/12/2010	07:38	1	Hold All	H	H
[redacted]	SSAN6-02-4BPC	SSAN6-02	SO	G	N	04/12/2010	07:44	1	Hold All	H	H
[redacted]	SSAN6-02-5BPC	SSAN6-02	SO	G	N	04/12/2010	07:53	1	Hold All	H	H
[redacted]	SSAN6-02-6BPC	SSAN6-02	SO	G	N	04/12/2010	08:01	1	Hold All	H	H
[redacted]	SSAN6-02-7BPC	SSAN6-02	SO	G	N	04/12/2010	08:09	1	Hold All	H	H
[redacted]	SSAN6-02-8BPC	SSAN6-02	SO	G	N	04/12/2010	08:16	1	Hold All	H	H
[redacted]	SSAN6-02-9BPC	SSAN6-02	SO	G	N	04/12/2010	08:23	1	Hold All	H	H
[redacted]	SSAN6-02-10BPC	SSAN6-02	SO	G	N	04/12/2010	08:30	1	Hold All	H	H
2	SSAM7-03-1BPC	SSAM7-03	SO	G	N	04/12/2010	09:13	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X	H
3	SSAM7-03-2BPC	SSAM7-03	SO	G	N	04/12/2010	09:19	1	24 hr TAT Dioxin Screen, Hold Full Dioxin	X	H
[redacted]	SSAM7-03-3BPC	SSAM7-03	SO	G	N	04/12/2010	09:26	1	Hold All	H	H
[redacted]	SSAM7-03-4BPC	SSAM7-03	SO	G	N	04/12/2010	09:33	1	Hold All	H	H
[redacted]	SSAM7-03-5BPC	SSAM7-03	SO	G	N	04/12/2010	09:39	1	Hold All	H	H
[redacted]	SSAM7-03-6BPC	SSAM7-03	SO	G	N	04/12/2010	09:46	1	Hold All	H	H
[redacted]	SSAM7-03-5BPC_FD	SSAM7-03	SO	G	FD	04/12/2010	09:39	1	Hold		H
[redacted]	SSAM7-03-7BPC	SSAM7-03	SO	G	N	04/12/2010	09:52	1	Hold All	H	H
[redacted]	SSAM7-03-8BPC	SSAM7-03	SO	G	N	04/12/2010	10:00	1	Hold All	H	H

1
2

Additional Comments/Special Instructions:

[redacted]

				Sample Receipt Conditions			
4/12 1923		4/12/10	1923		Y/N	Y/N	Y/N
4/12/10 1923		4/13/10	1610		Y/N	Y/N	Y/N
4/13/10 1610					Y/N	Y/N	Y/N
		14/13/10	0900		Y/N	Y/N	Y/N
				Temp in 0C	Samples on Ice?	Sample Intact?	Trip Blank?

[redacted]

Company:
Tracking #:
Date Signed: 4/12
Time: 1923

G0D140435 5

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

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Cooler # ___ of ___

COC # 02027.01.1913
Total # of Samples: 21 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 #:102	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	See Additional Comments Below

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
[redacted]	SSAN7-02-1BPC	SSAN7-02	SO	G	N	04/12/2010	16:39	1	24 hr TAT 8290 Screen	X	H
[redacted]	SSAN7-02-1BPC_FD	SSAN7-02	SO	G	FD	04/12/2010	16:39	1	Hold All		H
[redacted]	SSAN7-02-2BPC	SSAN7-02	SO	G	N	04/12/2010	16:43	1	24 hr TAT 8290 Screen	X	H
[redacted]	SSAN7-02-3BPC	SSAN7-02	SO	G	N	04/12/2010	16:47	1	Hold All	H	H
[redacted]	SSAN7-02-4BPC	SSAN7-02	SO	G	N	04/12/2010	16:50	1	Hold All	H	H
[redacted]	SSAN7-02-5BPC	SSAN7-02	SO	G	N	04/12/2010	16:53	1	Hold All	H	H
[redacted]	SSAN7-02-6BPC	SSAN7-02	SO	G	N	04/12/2010	16:57	1	Hold All	H	H
[redacted]	SSAN7-02-7BPC	SSAN7-02	SO	G	N	04/12/2010	17:01	1	Hold All	H	H
[redacted]	SSAN7-02-8BPC	SSAN7-02	SO	G	N	04/12/2010	17:05	1	Hold All	H	H
[redacted]	SSAN7-02-9BPC	SSAN7-02	SO	G	N	04/12/2010	17:09	1	Hold All	H	H
[redacted]	SSAN7-02-10BPC	SSAN7-02	SO	G	N	04/12/2010	17:13	1	Hold All	H	H
[redacted]	SSAN6-06-1BPC	SSAN6-06	SO	G	N	04/12/2010	14:45	1	24 hr TAT 8290 Screen	X	H
[redacted]	~~SSAN6-06-2BPC~~	~~SSAN6-06~~	~~SO~~	G	~~N~~	[illegible]	[illegible]	[illegible]	~~24 hr TAT 8290 Screen~~	X	H
[redacted]	SSAN6-06-3BPC	SSAN6-06	SO	G	N	04/12/2010	14:58	1	Hold All	H	H
[redacted]	SSAN6-06-4BPC	SSAN6-06	SO	G	N	04/12/2010	15:04	1	Hold All	H	H
[redacted]	SSAN6-06-5BPC	SSAN6-06	SO	G	N	04/12/2010	15:10	1	Hold All	H	H
[redacted]	SSAN6-06-6BPC	SSAN6-06	SO	G	N	04/12/2010	15:16	1	Hold All	H	H
[redacted]	SSAN6-06-7BPC	SSAN6-06	SO	G	N	04/12/2010	15:21	1	Hold All	H	H
[redacted]	SSAN6-06-8BPC	SSAN6-06	SO	G	N	04/12/2010	15:26	1	Hold All	H	H
[redacted]	SSAN6-06-9BPC	SSAN6-06	SO	G	N	04/12/2010	15:31	1	Hold All	H	H

Additional Comments/Special Instructions:

Relinquished	Date/Time	Accepted	Date/Time
[signature]	4/12/10 1923	[signature]	4/12/10 1923
[signature]	4/12/10 1923	[signature]	4/13/10 1614
	4/13/10 1845		
	4 C		14APR10 0900

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

PRINT Name of SAMPLER: REBECCA DANO
SIGNATURE of SAMPLER: [signature] DATE Signed: 4/12 Time: 1923

G0D140435

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

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COC # 02027.01.1830

Total # of Samples: 9 Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name:	Test America Laboratories Inc	Site ID #:102	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	See Additional Comments Below

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	UNPRES	UNPRES	No	Regular	Rush	X	Mark One
	SA156-5BPC_MS	SA156	SO	G	MS	04/12/2010	16:45	1	MS/MSD	H	H							
	~~SA156-3BPC~~	~~SA156~~	SO	G	N	04/12/2010	16:30	1	24 hr TAT	X	H							
	~~SA156-4BPC~~	SA156	SO	G	N	04/12/2010	16:35	1	24 hr TAT	X	H							
	SA156-5BPC	SA156	SO	G	N	04/12/2010	16:45	1	HOLD.	H	H							
	SA156-6BPC	SA156	SO	G	N	04/12/2010	16:50	1	HOLD.	H	H							
	SA156-7BPC	SA156	SO	G	N	04/12/2010	17:05	1	HOLD.	H	H							
	SA156-8BPC	SA156	SO	G	N	04/12/2010	17:15	1	HOLD.	H	H							
	SA156-9BPC	SA156	SO	G	N	04/12/2010	17:25	1	HOLD.	H	H							
	~~SA156-3BPC~~_FD	SA156	SO	G	FD	04/12/2010	16:30	1	24 hr TAT	X	H							

Additional Comments/Special Instructions:

4-12-10 16:15 — 4/12/10 1815

4/13/10 1815 — 4/13/10 1615

Sample Receipt Conditions

Temp in °C	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

Company: Tracking #:

PRINT Name of SAMPLER: Eric Taub

SIGNATURE of SAMPLER: DATE Signed Time:

4-12-10 16:15

TestAmerica West Sacramento (916) 373-5600

4 5

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Full Analysis Requested 4/16/10 G0D140435

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COC # 02027.01.1911 ACTIVATED 2010-04-15

Total # of Samples: 22 Event Complete?

Required Ship to Lab:		Required Project Information:			Required Invoice Information:			
Lab Name:	Test America Laboratories Inc	Site ID #:102	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) 260-8293
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	See Additional Comments Below		

										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? No									
										UNPRES	Ph8-SPM-8290 SCREEN	Ph8-SPM-8290							
1	SSAN6-02-1BPC	SSAN6-02	SO	G	N	04/12/2010	07:26	1	**screen completed**, 10-d TAT full Dioxin		X	X							
	SSAN6-02-1BPC_FD	SSAN6-02	SO	G	FD	04/12/2010	07:26	1	Hold			H							
2	SSAN6-02-2BPC	SSAN6-02	SO	G	N	04/12/2010	07:32	1	**screen complete**d, 10-d TAT full Dioxin		X	X							
	SSAN6-02-3BPC	SSAN6-02	SO	G	N	04/12/2010	07:38	1	**24 hr TAT Dioxin Screen, Hold Full Dioxin**		X	H							
	SSAN6-02-4BPC	SSAN6-02	SO	G	N	04/12/2010	07:44	1	**24 hr TAT Dioxin Screen, Hold Full Dioxin**		X	H							
	SSAN6-02-5BPC	SSAN6-02	SO	G	N	04/12/2010	07:53	1	Hold All		H	H							
	SSAN6-02-6BPC	SSAN6-02	SO	G	N	04/12/2010	08:01	1	Hold All		H	H							
	SSAN6-02-7BPC	SSAN6-02	SO	G	N	04/12/2010	08:09	1	Hold All		H	H							
	SSAN6-02-8BPC	SSAN6-02	SO	G	N	04/12/2010	08:16	1	Hold All		H	H							
	SSAN6-02-9BPC	SSAN6-02	SO	G	N	04/12/2010	08:23	1	Hold All		H	H							
	SSAN6-02-10BPC	SSAN6-02	SO	G	N	04/12/2010	08:30	1	Hold All		H	H							
	SSAM7-03-1BPC	SSAM7-03	SO	G	N	04/12/2010	09:13	1	screen completed, 10-d TAT full Dioxin		X	X							
	SSAM7-03-2BPC	SSAM7-03	SO	G	N	04/12/2010	09:19	1	24 hr TAT Dioxin Screen, Hold Full Dioxin		X	H							
	SSAM7-03-3BPC	SSAM7-03	SO	G	N	04/12/2010	09:26	1	Hold All		H	H							
	SSAM7-03-4BPC	SSAM7-03	SO	G	N	04/12/2010	09:33	1	Hold All		H	H							
	SSAM7-03-5BPC	SSAM7-03	SO	G	N	04/12/2010	09:39	1	Hold All		H	H							
	SSAM7-03-6BPC	SSAM7-03	SO	G	N	04/12/2010	09:46	1	Hold All		H	H							
	SSAM7-03-5BPC_FD	SSAM7-03	SO	G	FD	04/12/2010	09:39	1	Hold			H							
	SSAM7-03-7BPC	SSAM7-03	SO	G	N	04/12/2010	09:52	1	Hold All		H	H							
	SSAM7-03-8BPC	SSAM7-03	SO	G	N	04/12/2010	10:00	1	Hold All		H	H							

Additional Comments/Special Instructions:

Modified by Joni Fisher NGEM 2010-04-15 (modifications shown in bold font)

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?

Company:

Tracking #:

PRINT Name of SAMPLER

SIGNATURE of SAMPLER

DATE Signed

Time:

Full Analysis Requested
4/16/10

G0D140435
G0D140543

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COC # 02027.01.1830 ACTIVATED 2010-04-15

Total # of Samples: 9 Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name:	Test America Laboratories Inc	Site ID #:102	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	See Additional Comments Below

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.	Preserved: No	No	Analysis: UNPRES	UNPRES	PhB-SPM-8290 SCREEN	PhB-SPM-8290
	SA156-5BPC_MS	SA156	SO	G	MS	04/12/2010	16:45	1	MS/MSD					H	H
4	SA156-3BPC	SA156	SO	G	N	04/12/2010	16:30	1	**screen completed,** 10-d TAT full 8290					X	X
	SA156-4BPC	SA156	SO	G	N	04/12/2010	16:35	1	24 hr TAT					X	H
	SA156-5BPC	SA156	SO	G	N	04/12/2010	16:45	1	HOLD.					H	H
	SA156-6BPC	SA156	SO	G	N	04/12/2010	16:50	1	HOLD.					H	H
	SA156-7BPC	SA156	SO	G	N	04/12/2010	17:05	1	HOLD.					H	H
	SA156-8BPC	SA156	SO	G	N	04/12/2010	17:15	1	HOLD.					H	H
	SA156-9BPC	SA156	SO	G	N	04/12/2010	17:25	1	HOLD.					H	H
67	SA156-3BPC_FD	SA156	SO	G	FD	04/12/2010	16:30	1	10-d TAT full 8290						X

G0D140543-004

G0D140543-067

Additional Comments/Special Instructions:

Modified by Joni Fisher, modifications in bold font

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?

Company:
Tracking #:
PRINT Name of SAMPLER: Eric Taub
SIGNATURE of SAMPLER
DATE Signed
Time:

Full Analysis Requested 4/15/10 G0D130435

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 # 02027.01.1905 ACTIVATED 2010-04-14
Total # of Samples: 24 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 #:102	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	See Additional Comments Below

Filtered: No
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-8290M Screen	PhB-SPM-8290
	SSAO6-04-9BPC	SSAO6-04	SO	G	N	04/08/2010	17:31	1	HOLD	H	
	SSAO6-04-8BPC	SSAO6-04	SO	G	N	04/08/2010	17:26	1	HOLD	H	
	SSAO6-04-7BPC	SSAO6-04	SO	G	N	04/08/2010	17:17	1	HOLD	H	
	SSAO6-04-6BPC	SSAO6-04	SO	G	N	04/08/2010	17:04	1	HOLD	H	
	SSAO6-04-5BPC_MS	SSAO6-04	SO	G	MS	04/08/2010	16:55	1	HOLD	H	
	SSAO6-04-5BPC	SSAO6-04	SO	G	N	04/08/2010	16:55	1	HOLD	H	
	SSAO6-04-4BPC	SSAO6-04	SO	G	N	04/08/2010	16:47	1	HOLD	H	
	SSAO6-04-3BPC	SSAO6-04	SO	G	N	04/08/2010	16:40	1	HOLD	H	
	SSAO6-04-2BPC	SSAO6-04	SO	G	N	04/08/2010	16:25	1	8 hr TAT	X	
21	SSAO6-04-1BPC_FD	SSAO6-04	SO	G	FD	04/08/2010	16:19	1	10-d TAT full 8290		X
22	SSAO6-04-1BPC	SSAO6-04	SO	G	N	04/08/2010	16:19	1	screen complete. 10-d TAT full 8290	X	X
	SSAO6-04-10BPC	SSAO6-04	SO	G	N	04/08/2010	17:40	1	HOLD	H	
	SSAO7-01-10BPC	SSAO7-01	SO	G	N	04/08/2010	10:42	1	HOLD	H	
23	SSAO7-01-1BPC	SSAO7-01	SO	G	N	04/08/2010	09:34	1	screen complete. 10-d TAT full 8290	X	X
24	SSAO7-01-1BPC_FD	SSAO7-01	SO	G	FD	04/08/2010	09:34	1	10-d TAT full 8290		X
	SSAO7-01-2BPC	SSAO7-01	SO	G	N	04/08/2010	09:41	1	8 hr TAT	X	
	SSAO7-01-3BPC	SSAO7-01	SO	G	N	04/08/2010	09:49	1	HOLD	H	
	SSAO7-01-4BPC	SSAO7-01	SO	G	N	04/08/2010	09:55	1	HOLD	H	
	SSAO7-01-5BPC	SSAO7-01	SO	G	N	04/08/2010	10:01	1	HOLD	H	
	SSAO7-01-5BPC_MS	SSAO7-01	SO	G	MS	04/08/2010	10:01	1	HOLD	H	

Additional Comments/Special Instructions:
Modified by Joni Fisher NGEM 2010-04-14 (modifications shown in bold font)

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

Company:
Tracking #:
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:
DATE Signed:
Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT NORTH GATE PM DA LOG # 64220

LOT# (QUANTIMS ID) G0D140435 QUOTE# 84087 LOCATION WIA

Checked (✓)

DATE RECEIVED 14 APR 10 TIME RECEIVED 0850 ☑

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) ☑

TEMPERATURE BLANK Observed: Corrected:

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: Average Corrected Average

See multi cooler receipt checklist

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☐ #5 ☐ ☐ OTHER ☑

Initials | Date 14 APR 10

==

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

Initials | Date 14 APR 10

Notes

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

testAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MULTI COOLER RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT: NORTH GATE LOT# (QUANTIMS ID): G0D140435 ~~G0R140432~~

Checked (✓)

TEMPERTURE RECORD (IN °C) IR 4☐ 5☑ ☐ OTHER_____ ☑

COOLER ID 1 ☑

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

CUSTODY SEAL #(S) SEAL ☑

COC #(S)_____

TEMPERATURE BLANK: OBSERVED: 1 CORRECTED 2 ☑

SAMPLE TEMPERATURE:

OBSERVED: 2 2 2 AVERAGE: 2 CORRECTED 2 ☑

SAMPLES / TESTS (IF NCM REQUIRED): N/A ☑

TEMPERTURE RECORD (IN °C) IR 4☐ 5☑ ☐ OTHER_____ ☑

COOLER ID 2 ☑

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

CUSTODY SEAL #(S) SEAL ☑

COC #(S)_____

TEMPERATURE BLANK: OBSERVED: 1 CORRECTED 2 ☑

SAMPLE TEMPERATURE:

OBSERVED: 4 3 4 AVERAGE: 4 CORRECTED 4 ☑

SAMPLES / TESTS (IF NCM REQUIRED): N/A ☑

TEMPERTURE RECORD (IN °C) IR 4☐ 5☑ ☐ OTHER_____ ☑

COOLER ID 3 ☑

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

CUSTODY SEAL #(S) SEAL ☑

COC #(S)_____

TEMPERATURE BLANK: OBSERVED: 1 CORRECTED 2 ☑

SAMPLE TEMPERATURE:

OBSERVED: 2 3 3 AVERAGE: 3 CORRECTED 3 ☑

SAMPLES / TESTS (IF NCM REQUIRED): N/A ☑

Initials _____ Date 14 APR 10

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

QA-185 1/06 RKE, Page 2

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MULTI COOLER RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT: NORTH GATE LOT# (QUANTIMS ID): G0D140435 ~~G0D140442~~ 14APR18

Checked (✓)

TEMPERTURE RECORD (IN °C) IR 4☐ 5☑ ☐ OTHER_____ ☑

COOLER ID ~~3~~ 4 14APR18 ☑

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

CUSTODY SEAL #(S) SAC ☑

COC #(S)_____

TEMPERATURE BLANK: OBSERVED: 1 CORRECTED 2 ☑

SAMPLE TEMPERATURE:

OBSERVED: 2 2 3 AVERAGE: 2 CORRECTED 2 ☑

SAMPLES / TESTS (IF NCM REQUIRED): N/A ☑

TEMPERTURE RECORD (IN °C) IR 4☐ 5☐ ☐ OTHER_____ ☐

COOLER ID_____ ☐

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

CUSTODY SEAL #(S)_____ ☐

COC #(S)_____

TEMPERATURE BLANK: OBSERVED:_____ CORRECTED_____ ☐

SAMPLE TEMPERATURE:

OBSERVED:_____ AVERAGE:_____ CORRECTED_____ ☐

SAMPLES / TESTS (IF NCM REQUIRED):_____ ☐

TEMPERTURE RECORD (IN °C) IR 4☑ 5☐ ☐ OTHER_____ ☐

COOLER ID_____ ☐

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

CUSTODY SEAL #(S)_____ ☐

COC #(S)_____

TEMPERATURE BLANK: OBSERVED:_____ CORRECTED_____ ☐

SAMPLE TEMPERATURE:

OBSERVED:_____ AVERAGE:_____ CORRECTED_____ ☐

SAMPLES / TESTS (IF NCM REQUIRED):_____ ☐

14APR18

Initials Date

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

QA-185 1/06 RKE. Page 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0D140435

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
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: SSAN6-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 001	**Work Order #....:**	LXXQX1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Instrument ID....:**	4D5
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**% Moisture....:**	5.4
Prep Batch # ....:	0109260	**Dilution Factor....:**	0.94	**Units.....:**	pg/g
Initial Wgt/Vol :	10.58 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	30		0.50	1.0	30
1,2,3,7,8-PeCDD	100		2.5	1.0	100
1,2,3,4,7,8-HxCDD	65		2.5	0.1	6.5
1,2,3,6,7,8-HxCDD	140		2.5	0.1	14
1,2,3,7,8,9-HxCDD	120		2.5	0.1	12
1,2,3,4,6,7,8-HpCDD	490	B	2.5	0.01	4.9
OCDD	570	B	5.0	0.0003	0.17
2,3,7,8-TCDF	720	E B CON	1.5	0.1	72
1,2,3,7,8-PeCDF	1400	E G B	16	0.03	42
2,3,4,7,8-PeCDF	760	G	17	0.3	230
1,2,3,4,7,8-HxCDF	3100	E G B	29	0.1	310
1,2,3,6,7,8-HxCDF	2200	E G B	26	0.1	220
2,3,4,6,7,8-HxCDF	540	G	29	0.1	54
1,2,3,7,8,9-HxCDF	450	G B	32	0.1	45
1,2,3,4,6,7,8-HpCDF	7000	E G B	11	0.01	70
1,2,3,4,7,8,9-HpCDF	3700	E G B	14	0.01	37
OCDF	25000	E B	5.0	0.0003	7.5
Total TEQ Concentration					**1300**

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	62		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	40		40 - 135
13C-OCDD	21	*	40 - 135
13C-2,3,7,8-TCDF	62		40 - 135
13C-1,2,3,7,8-PeCDF	70		40 - 135
13C-1,2,3,4,7,8-HxCDF	51		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: SSAN6-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 001	**Work Order #....:**	LXXQX1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Instrument ID....:**	4D5
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**% Moisture....:**	5.4
Prep Batch # ....:	0109260	**Dilution Factor....:**	0.94	**Units.....:**	pg/g
Initial Wgt/Vol :	10.58 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: SSAN6-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 001	**Work Order #....:**	LXXQX1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Dilution Factor:**	0.94
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**Percent Moisture:**	5.4
Prep Batch # ....:	0109260	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.58 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	**30**		**0.50**	**0.43**	**pg/g**
1,2,3,7,8-PeCDD	**100**		**2.5**	**1.5**	**pg/g**
1,2,3,4,7,8-HxCDD	**65**		**2.5**	**1.1**	**pg/g**
1,2,3,6,7,8-HxCDD	**140**		**2.5**	**1.0**	**pg/g**
1,2,3,7,8,9-HxCDD	**120**		**2.5**	**0.93**	**pg/g**
1,2,3,4,6,7,8-HpCDD	**490**	**B**	**2.5**	**1.4**	**pg/g**
OCDD	**570**	**B**	**5.0**	**1.9**	**pg/g**
2,3,7,8-TCDF	**720**	**E B CON**	**1.5**	**0.26**	**pg/g**
1,2,3,7,8-PeCDF	**1400**	**E G B**	**16**	**16**	**pg/g**
2,3,4,7,8-PeCDF	**760**	**G**	**17**	**17**	**pg/g**
1,2,3,4,7,8-HxCDF	**3100**	**E G B**	**29**	**29**	**pg/g**
1,2,3,6,7,8-HxCDF	**2200**	**E G B**	**26**	**26**	**pg/g**
2,3,4,6,7,8-HxCDF	**540**	**G**	**29**	**29**	**pg/g**
1,2,3,7,8,9-HxCDF	**450**	**G B**	**32**	**32**	**pg/g**
1,2,3,4,6,7,8-HpCDF	**7000**	**E G B**	**11**	**11**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**3700**	**E G B**	**14**	**14**	**pg/g**
OCDF	**25000**	**E B**	**5.0**	**0.52**	**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	62		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	40		40 - 135
13C-OCDD	21	*	40 - 135
13C-2,3,7,8-TCDF	62		40 - 135
13C-1,2,3,7,8-PeCDF	70		40 - 135
13C-1,2,3,4,7,8-HxCDF	51		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: SSAN6-02-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 001	**Work Order #....:**	LXXQX1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Dilution Factor:**	0.94
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**Percent Moisture:**	5.4
Prep Batch # ....:	0109260	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.58 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: SSAN6-02-2BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 002	**Work Order #....:**	LXXTC1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Instrument ID....:**	4D5
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**% Moisture....:**	4.6
Prep Batch # ....:	0109260	**Dilution Factor....:**	0.96	**Units.....:**	pg/g
Initial Wgt/Vol :	10.32 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	89	G	1.3	1.0	89
1,2,3,7,8-PeCDD	300	G	4.1	1.0	300
1,2,3,4,7,8-HxCDD	220	G	5.8	0.1	22
1,2,3,6,7,8-HxCDD	390	G	5.2	0.1	39
1,2,3,7,8,9-HxCDD	340	G	4.8	0.1	34
1,2,3,4,6,7,8-HpCDD	1400	E G B	3.0	0.01	14
OCDD	1700	B	5.1	0.0003	0.51
2,3,7,8-TCDF	2000	E G B CON	1.1	0.1	200
1,2,3,7,8-PeCDF	4000	E G B	14	0.03	120
2,3,4,7,8-PeCDF	2300	E G	14	0.3	690
1,2,3,4,7,8-HxCDF	8600	E G B	230	0.1	860
1,2,3,6,7,8-HxCDF	5800	E G B	200	0.1	580
2,3,4,6,7,8-HxCDF	1300	E G	220	0.1	130
1,2,3,7,8,9-HxCDF	1200	E G B	250	0.1	120
1,2,3,4,6,7,8-HpCDF	19000	E G B	5.4	0.01	190
1,2,3,4,7,8,9-HpCDF	12000	E G B	6.9	0.01	120
OCDF	54000	E B	5.1	0.0003	16
Total TEQ Concentration					**3500**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	74		40 - 135
13C-1,2,3,7,8-PeCDD	77		40 - 135
13C-1,2,3,6,7,8-HxCDD	62		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	42		40 - 135
13C-OCDD	35	*	40 - 135
13C-2,3,7,8-TCDF	60		40 - 135
13C-1,2,3,7,8-PeCDF	75		40 - 135
13C-1,2,3,4,7,8-HxCDF	52		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	37	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAN6-02-2BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 002	**Work Order #....:**	LXXTC1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Instrument ID....:**	4D5
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**% Moisture....:**	4.6
Prep Batch # ....:	0109260	**Dilution Factor....:**	0.96	**Units.....:**	pg/g
Initial Wgt/Vol :	10.32 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: SSAN6-02-2BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 002	**Work Order #....:**	LXXTC1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Dilution Factor:**	0.96
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**Percent Moisture:**	4.6
Prep Batch # ....:	0109260	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.32 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	**89**	**G**	**1.3**	**1.3**	**pg/g**
1,2,3,7,8-PeCDD	**300**	**G**	**4.1**	**4.1**	**pg/g**
1,2,3,4,7,8-HxCDD	**220**	**G**	**5.8**	**5.8**	**pg/g**
1,2,3,6,7,8-HxCDD	**390**	**G**	**5.2**	**5.2**	**pg/g**
1,2,3,7,8,9-HxCDD	**340**	**G**	**4.8**	**4.8**	**pg/g**
1,2,3,4,6,7,8-HpCDD	**1400**	**E G B**	**3.0**	**3.0**	**pg/g**
OCDD	**1700**	**B**	**5.1**	**5.0**	**pg/g**
2,3,7,8-TCDF	**2000**	**E G B CON**	**1.1**	**1.1**	**pg/g**
1,2,3,7,8-PeCDF	**4000**	**E G B**	**14**	**14**	**pg/g**
2,3,4,7,8-PeCDF	**2300**	**E G**	**14**	**14**	**pg/g**
1,2,3,4,7,8-HxCDF	**8600**	**E G B**	**230**	**230**	**pg/g**
1,2,3,6,7,8-HxCDF	**5800**	**E G B**	**200**	**200**	**pg/g**
2,3,4,6,7,8-HxCDF	**1300**	**E G**	**220**	**220**	**pg/g**
1,2,3,7,8,9-HxCDF	**1200**	**E G B**	**250**	**250**	**pg/g**
1,2,3,4,6,7,8-HpCDF	**19000**	**E G B**	**5.4**	**5.4**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**12000**	**E G B**	**6.9**	**6.9**	**pg/g**
OCDF	**54000**	**E B**	**5.1**	**2.0**	**pg/g**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	74		40 - 135
13C-1,2,3,7,8-PeCDD	77		40 - 135
13C-1,2,3,6,7,8-HxCDD	62		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	42		40 - 135
13C-OCDD	35	*	40 - 135
13C-2,3,7,8-TCDF	60		40 - 135
13C-1,2,3,7,8-PeCDF	75		40 - 135
13C-1,2,3,4,7,8-HxCDF	52		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	37	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAN6-02-2BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 002	**Work Order #....:**	LXXTC1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Dilution Factor:**	0.96
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**Percent Moisture:**	4.6
Prep Batch # ....:	0109260	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.32 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: SA156-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 004	**Work Order #....:**	LXXTR1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Instrument ID....:**	4D5
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**% Moisture....:**	4.7
Prep Batch # ....:	0109260	**Dilution Factor....:**	0.99	**Units.....:**	pg/g
Initial Wgt/Vol :	10.03 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	**0.15**	**J Q**	**0.52**	**1.0**	**0.15**
1,2,3,7,8-PeCDD	**0.56**	**J Q**	**2.6**	**1.0**	**0.56**
1,2,3,4,7,8-HxCDD	**0.84**	**J Q**	**2.6**	**0.1**	**0.084**
1,2,3,6,7,8-HxCDD	**0.68**	**J Q**	**2.6**	**0.1**	**0.068**
1,2,3,7,8,9-HxCDD	**0.81**	**J Q**	**2.6**	**0.1**	**0.081**
1,2,3,4,6,7,8-HpCDD	**1.4**	**Q J B**	**2.6**	**0.01**	**0.014**
OCDD	**5.6**	**B**	**5.2**	**0.0003**	**0.0017**
2,3,7,8-TCDF	**0.51**	**J B CON**	**0.52**	**0.1**	**0.051**
1,2,3,7,8-PeCDF	**1.7**	**Q J B**	**2.6**	**0.03**	**0.051**
2,3,4,7,8-PeCDF	ND		2.6	0.3	0
1,2,3,4,7,8-HxCDF	**4.1**	**B**	**2.6**	**0.1**	**0.41**
1,2,3,6,7,8-HxCDF	**3.3**	**B**	**2.6**	**0.1**	**0.33**
2,3,4,6,7,8-HxCDF	**1.4**	**J**	**2.6**	**0.1**	**0.14**
1,2,3,7,8,9-HxCDF	**1.7**	**Q J B**	**2.6**	**0.1**	**0.17**
1,2,3,4,6,7,8-HpCDF	**10**	**B**	**2.6**	**0.01**	**0.10**
1,2,3,4,7,8,9-HpCDF	**5.1**	**B**	**2.6**	**0.01**	**0.051**
OCDF	**25**	**B**	**5.2**	**0.0003**	**0.0075**

Total TEQ Concentration **2.3**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	62		40 - 135
13C-1,2,3,7,8-PeCDD	62		40 - 135
13C-1,2,3,6,7,8-HxCDD	55		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	30	*	40 - 135
13C-OCDD	17	*	40 - 135
13C-2,3,7,8-TCDF	52		40 - 135
13C-1,2,3,7,8-PeCDF	58		40 - 135
13C-1,2,3,4,7,8-HxCDF	43		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	30	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA156-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 004	**Work Order #....:**	LXXTR1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Instrument ID....:**	4D5
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**% Moisture....:**	4.7
Prep Batch # ....:	0109260	**Dilution Factor....:**	0.99	**Units.....:**	pg/g
Initial Wgt/Vol :	10.03 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.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: SA156-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 004	**Work Order #....:**	LXXTR1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Dilution Factor:**	0.99
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**Percent Moisture:**	4.7
Prep Batch # ....:	0109260	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.03 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	**0.15**	**J Q**	**0.52**	**0.11**	**pg/g**
1,2,3,7,8-PeCDD	**0.56**	**J Q**	**2.6**	**0.35**	**pg/g**
1,2,3,4,7,8-HxCDD	**0.84**	**J Q**	**2.6**	**0.30**	**pg/g**
1,2,3,6,7,8-HxCDD	**0.68**	**J Q**	**2.6**	**0.27**	**pg/g**
1,2,3,7,8,9-HxCDD	**0.81**	**J Q**	**2.6**	**0.25**	**pg/g**
1,2,3,4,6,7,8-HpCDD	**1.4**	**Q J B**	**2.6**	**1.1**	**pg/g**
OCDD	**5.6**	**B**	**5.2**	**1.7**	**pg/g**
2,3,7,8-TCDF	**0.51**	**J B CON**	**0.52**	**0.26**	**pg/g**
1,2,3,7,8-PeCDF	**1.7**	**Q J B**	**2.6**	**1.3**	**pg/g**
2,3,4,7,8-PeCDF	ND		2.6	1.3	pg/g
1,2,3,4,7,8-HxCDF	**4.1**	**B**	**2.6**	**0.72**	**pg/g**
1,2,3,6,7,8-HxCDF	**3.3**	**B**	**2.6**	**0.65**	**pg/g**
2,3,4,6,7,8-HxCDF	**1.4**	**J**	**2.6**	**0.71**	**pg/g**
1,2,3,7,8,9-HxCDF	**1.7**	**Q J B**	**2.6**	**0.80**	**pg/g**
1,2,3,4,6,7,8-HpCDF	**10**	**B**	**2.6**	**0.67**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**5.1**	**B**	**2.6**	**0.86**	**pg/g**
OCDF	**25**	**B**	**5.2**	**1.6**	**pg/g**

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C-2,3,7,8-TCDD	62		40 - 135
13C-1,2,3,7,8-PeCDD	62		40 - 135
13C-1,2,3,6,7,8-HxCDD	55		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	30	*	40 - 135
13C-OCDD	17	*	40 - 135
13C-2,3,7,8-TCDF	52		40 - 135
13C-1,2,3,7,8-PeCDF	58		40 - 135
13C-1,2,3,4,7,8-HxCDF	43		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	30	*	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA156-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D140435 - 004	**Work Order #....:**	LXXTR1AD	**Matrix....:**	SO
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Dilution Factor:**	0.99
Prep Date....:	04/19/10	**Analysis Date....:**	04/27/10	**Percent Moisture:**	4.7
Prep Batch # ....:	0109260	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10.03 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.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

QC DATA ASSOCIATION SUMMARY

G0D140435

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8290		0109260	0111057
	SO	ASTM D 2216-90		0108010	0108003
	SO	TAL-SOP Dioxin Sc		0104259	
002	SO	SW846 8290		0109260	0111057
	SO	ASTM D 2216-90		0108010	0108003
	SO	TAL-SOP Dioxin Sc		0104259	
003	SO	TAL-SOP Dioxin Sc		0104259	
004	SO	SW846 8290		0109260	0111057
	SO	ASTM D 2216-90		0108010	0108003
	SO	TAL-SOP Dioxin Sc		0104259	
005	SO	TAL-SOP Dioxin Sc		0104259	

Method Blank Report

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G0D190000 - 260B	**Work Order #....:**	LX62M1AA	**Matrix....:**	SOLID
Date Sampled....:	04/12/10	**Date Received....:**	04/14/10	**Dilution Factor:**	1
Prep Date....:	04/19/10	**Analysis Date....:**	04/25/10	**Percent Moisture:**	0.0
Prep Batch # ....:	0109260	**Instrument ID....:**	4D5		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		1.0	0.070	pg/g
1,2,3,7,8-PeCDD	ND		5.0	0.087	pg/g
1,2,3,4,7,8-HxCDD	ND		5.0	0.068	pg/g
1,2,3,6,7,8-HxCDD	ND		5.0	0.062	pg/g
1,2,3,7,8,9-HxCDD	ND		5.0	0.057	pg/g
1,2,3,4,6,7,8-HpCDD	**0.14**	**J Q**	**5.0**	**0.10**	**pg/g**
OCDD	**0.59**	**J**	**10**	**0.15**	**pg/g**
2,3,7,8-TCDF	**0.28**	**J Q**	**1.0**	**0.083**	**pg/g**
1,2,3,7,8-PeCDF	**0.14**	**J**	**5.0**	**0.12**	**pg/g**
2,3,4,7,8-PeCDF	ND		5.0	0.12	pg/g
1,2,3,4,7,8-HxCDF	**0.24**	**J Q**	**5.0**	**0.069**	**pg/g**
1,2,3,6,7,8-HxCDF	**0.14**	**J**	**5.0**	**0.062**	**pg/g**
2,3,4,6,7,8-HxCDF	ND		5.0	0.068	pg/g
1,2,3,7,8,9-HxCDF	**0.086**	**J Q**	**5.0**	**0.076**	**pg/g**
1,2,3,4,6,7,8-HpCDF	**0.30**	**J**	**5.0**	**0.093**	**pg/g**
1,2,3,4,7,8,9-HpCDF	**0.13**	**J Q**	**5.0**	**0.12**	**pg/g**
OCDF	**0.63**	**J**	**10**	**0.15**	**pg/g**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	73	40 - 135
13C-1,2,3,7,8-PeCDD	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	79	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	62	40 - 135
13C-1,2,3,7,8-PeCDF	66	40 - 135
13C-1,2,3,4,7,8-HxCDF	68	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	70	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 # ...:	G0D140435	**Work Order # ...:**	LX62M1AC-LCS	**Matrix .....:**	SOLID
LCS Lot-Sample# :	G0D190000 - 260				
Prep Date .....:	04/19/10	**Analysis Date ..:**	04/25/10		
Prep Batch # ...:	0109260				
Dilution Factor :	1				
Analyst ID.....:	Sonia Ouni	**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**	**19.8**	**pg/g**	**99**	**(77 - 130)**
1,2,3,7,8-PeCDD	**100**	**102**	**pg/g**	**102**	**(79 - 134)**
1,2,3,4,7,8-HxCDD	**100**	**108**	**pg/g**	**108**	**(65 - 144)**
1,2,3,6,7,8-HxCDD	**100**	**104**	**pg/g**	**104**	**(73 - 147)**
1,2,3,7,8,9-HxCDD	**100**	**102**	**pg/g**	**102**	**(80 - 143)**
1,2,3,4,6,7,8-HpCDD	**100**	**101**	**pg/g**	**101**	**(86 - 134)**
OCDD	**200**	**210**	**pg/g**	**105**	**(80 - 137)**
2,3,7,8-TCDF	**20.0**	**20.5**	**pg/g**	**102**	**(79 - 137)**
1,2,3,7,8-PeCDF	**100**	**102**	**pg/g**	**102**	**(81 - 134)**
2,3,4,7,8-PeCDF	**100**	**107**	**pg/g**	**107**	**(76 - 132)**
1,2,3,4,7,8-HxCDF	**100**	**114**	**pg/g**	**114**	**(72 - 140)**
1,2,3,6,7,8-HxCDF	**100**	**109**	**pg/g**	**109**	**(63 - 152)**
2,3,4,6,7,8-HxCDF	**100**	**104**	**pg/g**	**104**	**(72 - 151)**
1,2,3,7,8,9-HxCDF	**100**	**103**	**pg/g**	**103**	**(72 - 152)**
1,2,3,4,6,7,8-HpCDF	**100**	**104**	**pg/g**	**104**	**(81 - 137)**
1,2,3,4,7,8,9-HpCDF	**100**	**104**	**pg/g**	**104**	**(79 - 139)**
OCDF	**200**	**202**	**pg/g**	**101**	**(75 - 141)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	(40 - 135)
13C-1,2,3,7,8-PeCDD	82	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	71	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(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 # ...:	G0D140435	**Work Order # ...:**	LX1GM1AE-MS	**Matrix .....:**	SOLID
OS Lot-Sample# :	G0D150462 - 001		LX1GM1AF-MSD		
Prep Date .....:	04/19/10	**Analysis Date ..:**	04/29/10		
Prep Batch # ...:	0109260				
Dilution Factor :	0.91				
Analyst ID.....:	Grandfield S. Virginia	**Instrument ID..:**	3D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10.5 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	**ND**	**24.6**	**23.5**	**pg/g**	**96**	**(77 - 130)**		
	ND	**24.6**	**28.5**	**pg/g**	**116**	**(77 - 130)**	**19**	**(0 - 30)**
1,2,3,7,8-PeCDD	**ND**	**123**	**119**	**pg/g**	**97**	**(79 - 134)**		
	ND	**123**	**132**	**pg/g**	**107**	**(79 - 134)**	**10**	**(0 - 29)**
1,2,3,4,7,8-HxCDD	**ND**	**123**	**87.7**	**pg/g**	**71**	**(65 - 144)**		
	ND	**123**	**125**	**pg/g**	**102**	**(65 - 144)**	**35**	**(0 - 36)**
1,2,3,6,7,8-HxCDD	**0.099**	**123**	**116**	**pg/g**	**94**	**(73 - 147)**		
	0.099	**123**	**139**	**pg/g**	**113**	**(73 - 147)**	**18**	**(0 - 36)**
1,2,3,7,8,9-HxCDD	**0.10**	**123**	**92.9**	**pg/g**	**76 a**	**(80 - 143)**		
	0.10	**123**	**118**	**pg/g**	**96**	**(80 - 143)**	**23**	**(0 - 31)**
1,2,3,4,6,7,8-HpCDD	**0.31**	**123**	**115**	**pg/g**	**93 B**	**(86 - 134)**		
	0.31	**123**	**128**	**pg/g**	**104 B**	**(86 - 134)**	**10**	**(0 - 28)**
OCDD	**0.31**	**246**	**239**	**pg/g**	**97 B**	**(80 - 137)**		
	0.31	**246**	**257**	**pg/g**	**104 B**	**(80 - 137)**	**7.0**	**(0 - 32)**
2,3,7,8-TCDF	**0.77**	**24.6**	**24.0**	**pg/g**	**95**	**(79 - 137)**		
	0.77	**24.6**	**27.4**	**pg/g**	**108**	**(79 - 137)**	**13**	**(0 - 30)**
1,2,3,7,8-PeCDF	**0.53**	**123**	**116**	**pg/g**	**94 B**	**(81 - 134)**		
	0.53	**123**	**128**	**pg/g**	**104 B**	**(81 - 134)**	**10**	**(0 - 27)**
2,3,4,7,8-PeCDF	**0.34**	**123**	**118**	**pg/g**	**96**	**(76 - 132)**		
	0.34	**123**	**134**	**pg/g**	**109**	**(76 - 132)**	**13**	**(0 - 31)**
1,2,3,4,7,8-HxCDF	**1.4**	**123**	**125**	**pg/g**	**101 B**	**(72 - 140)**		
	1.4	**123**	**135**	**pg/g**	**109 B**	**(72 - 140)**	**7.9**	**(0 - 32)**
1,2,3,6,7,8-HxCDF	**0.90**	**123**	**136**	**pg/g**	**110 B**	**(63 - 152)**		
	0.90	**123**	**142**	**pg/g**	**115 B**	**(63 - 152)**	**4.0**	**(0 - 38)**
2,3,4,6,7,8-HxCDF	**ND**	**123**	**135**	**pg/g**	**110**	**(72 - 151)**		
	ND	**123**	**133**	**pg/g**	**109**	**(72 - 151)**	**1.5**	**(0 - 35)**
1,2,3,7,8,9-HxCDF	**ND**	**123**	**128**	**pg/g**	**104**	**(72 - 152)**		
	ND	**123**	**127**	**pg/g**	**103**	**(72 - 152)**	**1.2**	**(0 - 36)**
1,2,3,4,6,7,8-HpCDF	**2.4**	**123**	**122**	**pg/g**	**98 B**	**(81 - 137)**		
	2.4	**123**	**143**	**pg/g**	**114 B**	**(81 - 137)**	**15**	**(0 - 33)**
1,2,3,4,7,8,9-HpCDF	**0.80**	**123**	**134**	**pg/g**	**109 B**	**(79 - 139)**		
	0.80	**123**	**147**	**pg/g**	**119 B**	**(79 - 139)**	**8.7**	**(0 - 35)**
OCDF	**7.1**	**246**	**277**	**pg/g**	**110 B**	**(75 - 141)**		
	7.1	**246**	**304**	**pg/g**	**121 B**	**(75 - 141)**	**9.4**	**(0 - 45)**

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G0D140435	**Work Order # ...:**	LX1GM1AE-MS	**Matrix .....:**	SOLID
OS Lot-Sample# :	G0D150462 - 001		LX1GM1AF-MSD		
Prep Date .....:	04/19/10	**Analysis Date ..:**	04/29/10		
Prep Batch # ...:	0109260				
Dilution Factor :	0.91				
Analyst ID.....:	Grandfield S. Virginia	**Instrument ID..:**	3D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	10.5 g				

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	(40 - 135)
	75	(40 - 135)
13C-1,2,3,7,8-PeCDD	87	(40 - 135)
	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	95	(40 - 135)
	73	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	71	(40 - 135)
	65	(40 - 135)
13C-OCDD	52	(40 - 135)
	50	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
	81	(40 - 135)
13C-1,2,3,7,8-PeCDF	86	(40 - 135)
	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	74	(40 - 135)
	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	68	(40 - 135)
	60	(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.

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

SOLID, D 2216-90, Percent Moisture

Northgate Environmental Management, Inc.

Client Sample ID: SSAN6-02-1BPC

General Chemistry

Lot-Sample #...: G0D140435-001 **Work Order #...:** LXXQX **Matrix.....:** SO
Date Sampled...: 04/12/10 **Date Received..:** 04/14/10
% Moisture.....: 5.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**5.4**	**0.10**	**%**	**ASTM D 2216-90**	**04/18-04/19/10**	**0108010**

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SSAN6-02-2BPC

General Chemistry

Lot-Sample #...: G0D140435-002 **Work Order #...:** LXXTC **Matrix.....:** SO
Date Sampled...: 04/12/10 **Date Received..:** 04/14/10
% Moisture.....: 4.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.6**	**0.10**	**%**	**ASTM D 2216-90**	**04/18-04/19/10**	**0108010**

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA156-3BPC

General Chemistry

Lot-Sample #...: G0D140435-004 **Work Order #...:** LXXTR **Matrix.....:** SO
Date Sampled...: 04/12/10 **Date Received..:** 04/14/10
% Moisture.....: 4.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.7**	**0.10**	**%**	**ASTM D 2216-90**	**04/18-04/19/10**	**0108010**

Dilution Factor: 1

QC DATA ASSOCIATION SUMMARY

G0D140435

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8290		0109260	0111057
	SO	ASTM D 2216-90		0108010	0108003
	SO	TAL-SOP Dioxin Sc		0104259	
002	SO	SW846 8290		0109260	0111057
	SO	ASTM D 2216-90		0108010	0108003
	SO	TAL-SOP Dioxin Sc		0104259	
003	SO	TAL-SOP Dioxin Sc		0104259	
004	SO	SW846 8290		0109260	0111057
	SO	ASTM D 2216-90		0108010	0108003
	SO	TAL-SOP Dioxin Sc		0104259	
005	SO	TAL-SOP Dioxin Sc		0104259	

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

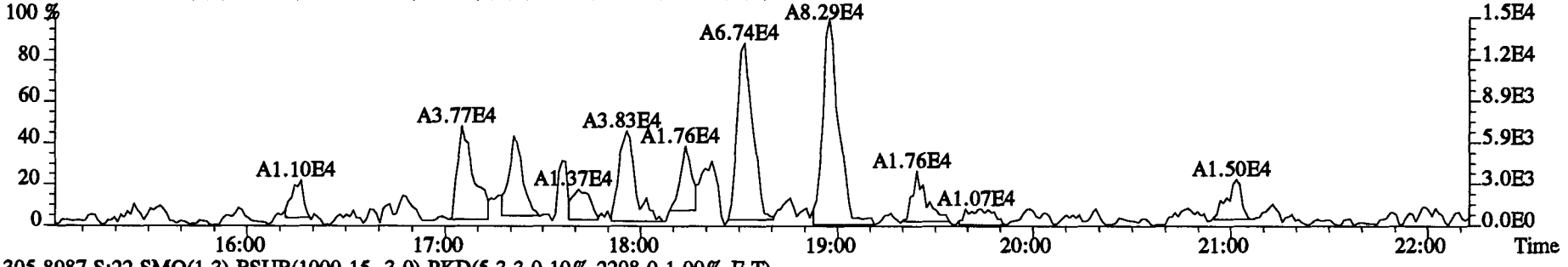
Run text: LX62M-1-AA Sample text: LX62M-1-AA :G0D190000-260B
Run #24 Filename: 24AP104D5 S: 22 I: 1 Results: 24AP104D58290A
Acquired: 25-APR-10 00:34:40 Processed: 26-APR-10 15:22:33
Run: 24AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.00 g

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	64558000	0.78	y	19:30	-	4.8526		-	-	n
13C-2,3,7,8-TCDF	121572000	0.77	y	18:56	1.52	123.8309		0.1083	61.9	n
2,3,7,8-TCDF	163698	0.90	n	18:58	0.95	0.2849	J,Q	0.0832	-	n
Total TCDF	626732	0.95	n	16:16	0.95	1.0907		0.0832	-	n
13C-2,3,7,8-TCDD	89537100	0.79	y	19:43	0.95	146.0401		0.2595	73.0	n
2,3,7,8-TCDD	17402	0.24	n	19:43	1.02	0.0381		0.0699	-	n
Total TCDD	79139	0.80	y	17:15	1.02	0.1731		0.0699	-	n
37Cl-2,3,7,8-TCDD	98395600	1.00	y	19:44	2.26	67.4012		0.0048	84.3	n
13C-1,2,3,7,8-PeCDF	88944500	1.57	y	24:36	1.05	131.1733		0.1308	65.6	n
1,2,3,7,8-PeCDF	65797	1.71	y	24:37	1.04	0.1416	J	0.1169	-	n
2,3,4,7,8-PeCDF	26179	1.41	y	26:05	0.98	0.0599		0.1243	-	n
Total F2 PeCDF	164147	4.88	n	23:06	1.01	0.3617		0.1205	-	n
Total F1 PeCDF	67113	0.24	n	16:40	1.01	0.1489		0.1108	-	n
13C-1,2,3,7,8-PeCDD	62017600	1.66	y	26:55	0.67	143.2804		0.0528	71.6	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.98	*		0.0865	-	n
Total PeCDD	65798	1.57	y	24:33	0.98	0.2161		0.0865	-	n
13C-1,2,3,7,8,9-HxCDD	43649900	1.26	y	33:06	-	4.2479		-	-	n
13C-1,2,3,4,7,8-HxCDF	61222000	0.52	y	31:56	1.02	136.8544		0.6136	68.4	n
1,2,3,4,7,8-HxCDF	89772	0.98	n	31:57	1.21	0.2418	J,Q	0.0687	-	n
1,2,3,6,7,8-HxCDF	58952	1.08	y	32:03	1.34	0.1434	J	0.0620	-	n
2,3,4,6,7,8-HxCDF	19807	2.53	n	32:36	1.22	0.0529		0.0682	-	n
1,2,3,7,8,9-HxCDF	28597	1.54	n	33:19	1.09	0.0855	J,Q	0.0763	-	n
Total HxCDF	341579	1.54	n	30:35	1.22	0.9213		0.0604	-	n
13C-1,2,3,6,7,8-HxCDD	55952600	1.25	y	32:50	0.81	158.8280		0.0079	79.4	n
1,2,3,4,7,8-HxCDD	9609	1.69	n	32:46	1.01	0.0341		0.0683	-	n
1,2,3,6,7,8-HxCDD	9308	1.39	y	32:51	1.11	0.0299		0.0617	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.21	*		0.0569	-	n
Total HxCDD	57260	2.38	n	31:57	1.11	0.1075		0.0619	-	n
13C-1,2,3,4,6,7,8-HpCDF	52874400	0.45	y	34:36	0.86	140.4293		0.7060	70.2	n
1,2,3,4,6,7,8-HpCDF	102174	1.06	y	34:37	1.31	0.2951	J	0.0926	-	n
1,2,3,4,7,8,9-HpCDF	36387	0.64	n	35:44	1.03	0.1342	J,Q	0.1182	-	n
Total HpCDF	183060	1.06	y	34:37	1.17	0.5734		0.1038	-	n
13C-1,2,3,4,6,7,8-HpCDD	47444600	1.06	y	35:24	0.70	155.8341		0.2624	77.9	n
1,2,3,4,6,7,8-HpCDD	34926	0.82	n	35:27	1.07	0.1374	J,Q	0.1031	-	n
Total HpCDD	114502	1.55	n	34:35	1.07	0.4503		0.1031	-	n
13C-OCDD	62044800	0.91	y	37:54	0.53	267.4923		0.4959	66.9	n
OCDF	142336	0.90	y	38:01	1.45	0.6349	J	0.1537	-	n
OCDD	106207	0.76	y	37:55	1.17	0.5871	J	0.1536	-	n

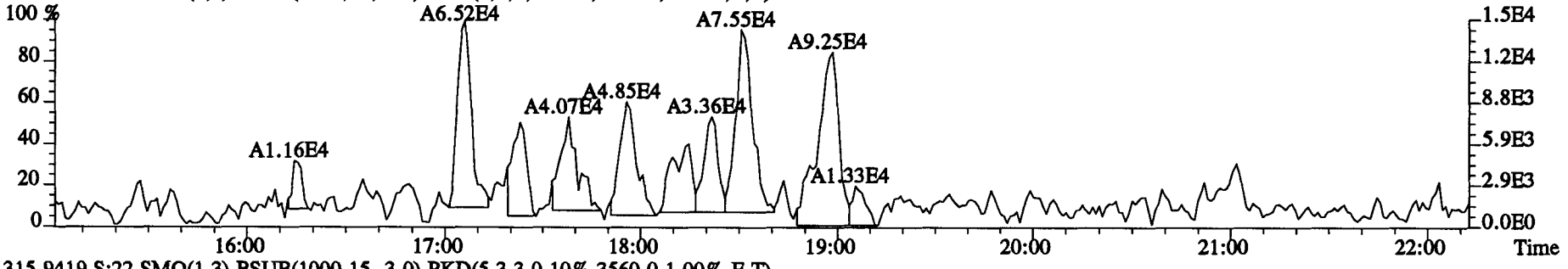
4/26/10 MC

File:24AP104D5 #1-434 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A

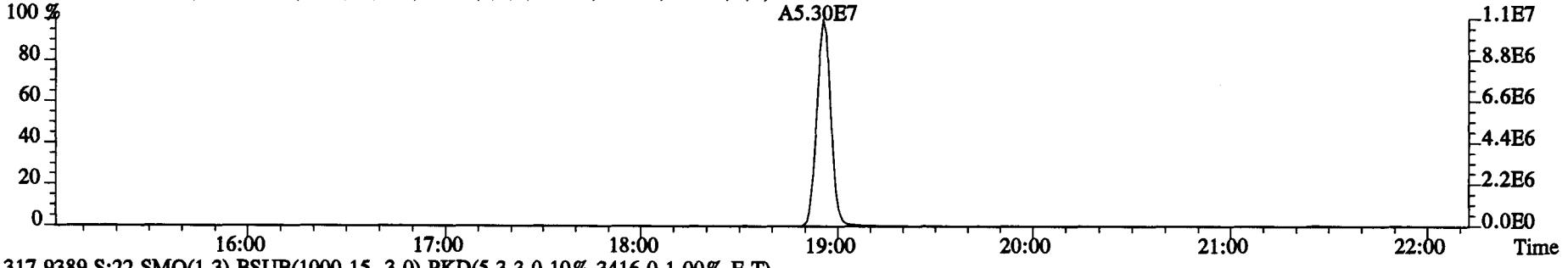
303.9016 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1072.0,1.00%,F,T)



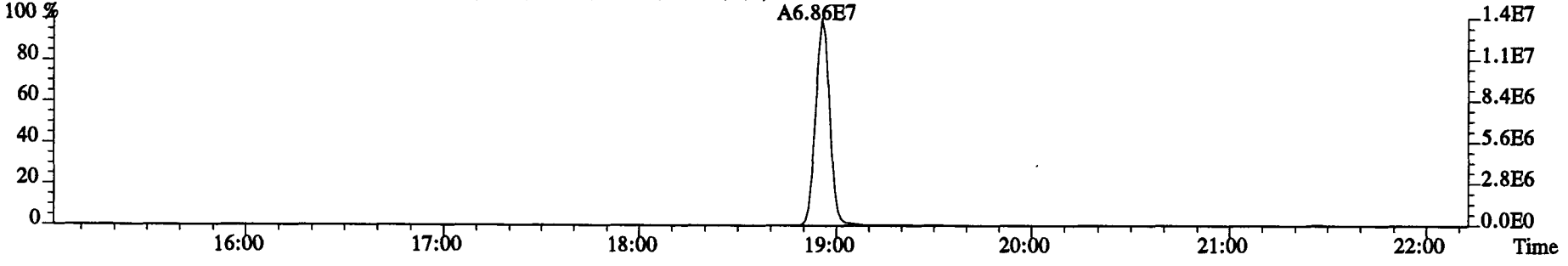
305.8987 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2208.0,1.00%,F,T)



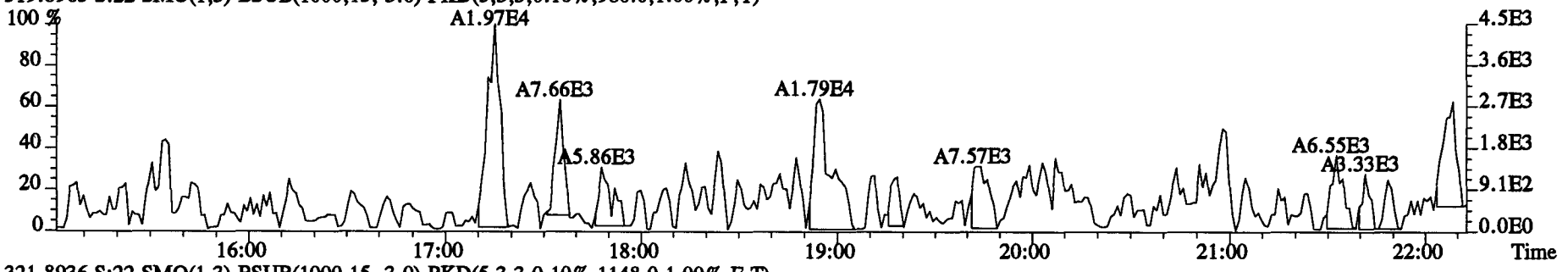
315.9419 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3560.0,1.00%,F,T)

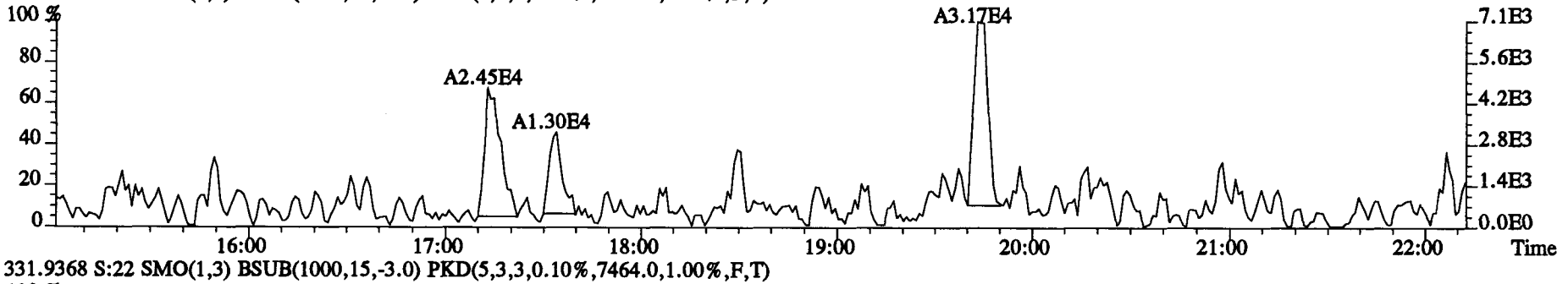


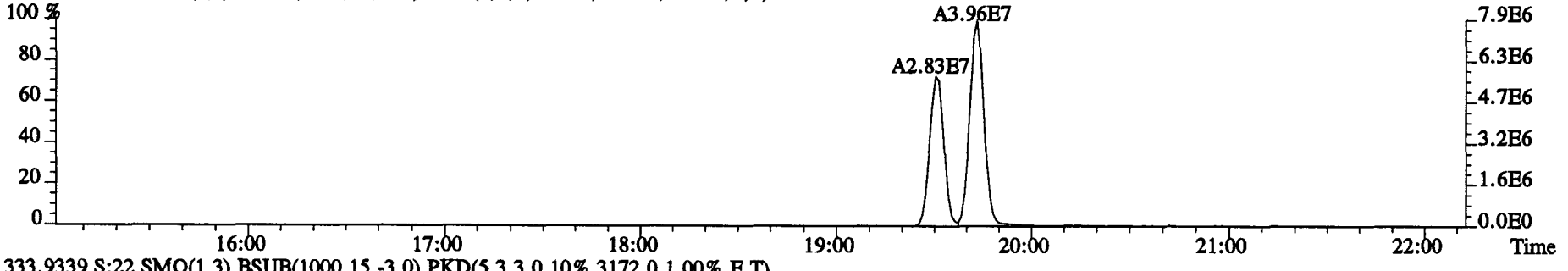
317.9389 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)

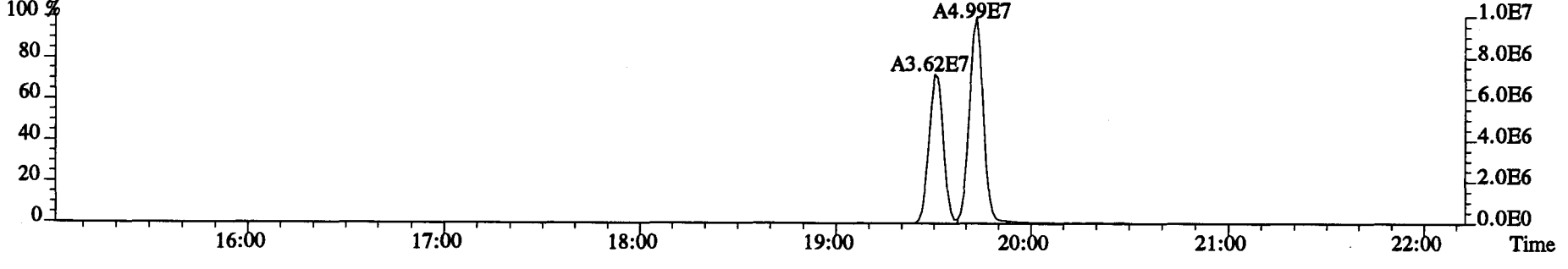


File:24AP104D5 #1-434 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A

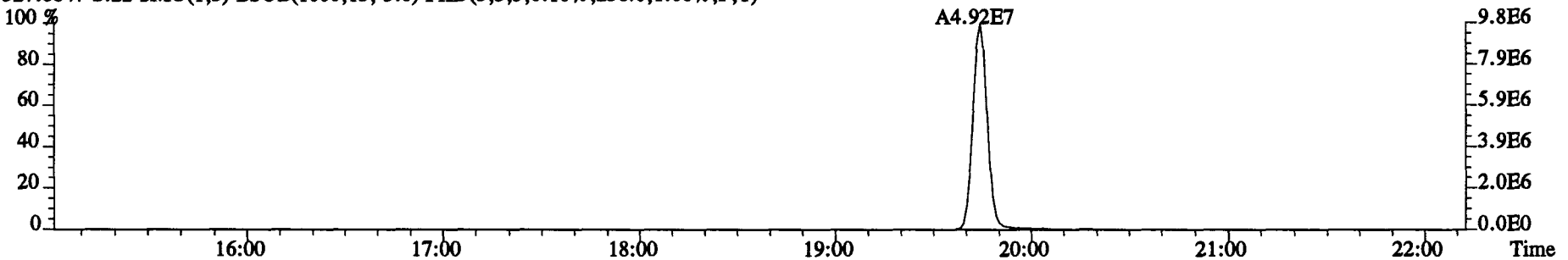




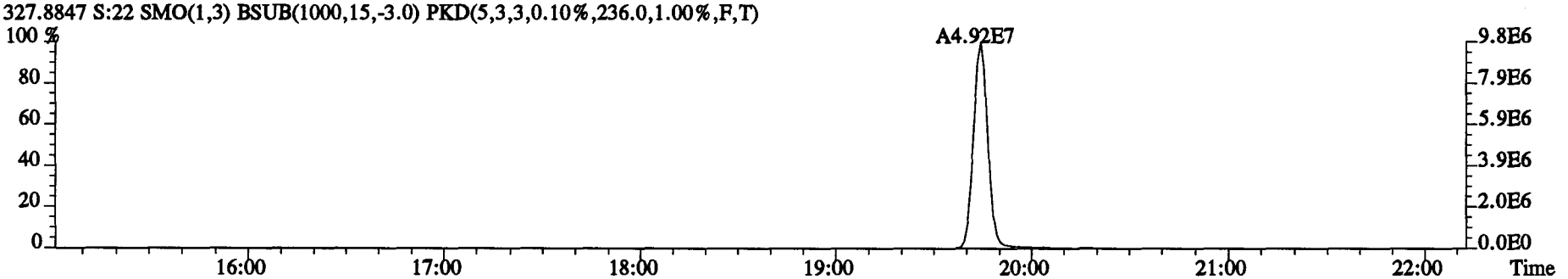




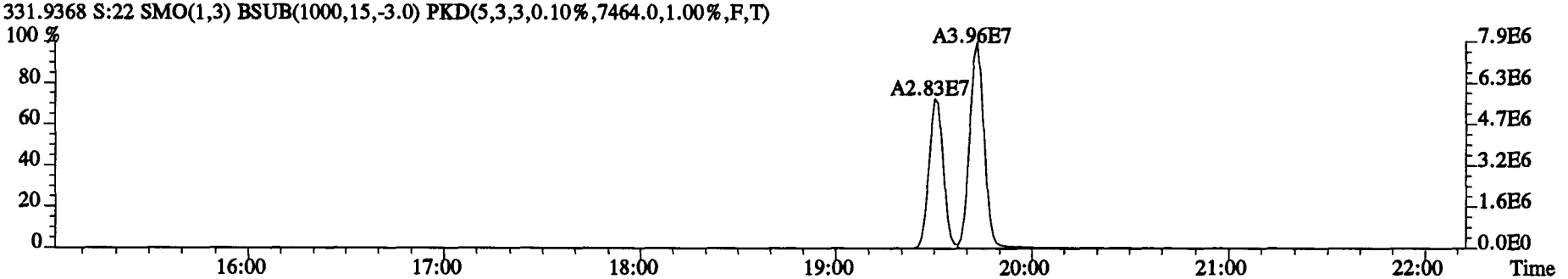
File:24AP104D5 #1-434 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
327.8847 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,236.0,1.00%,F,T)



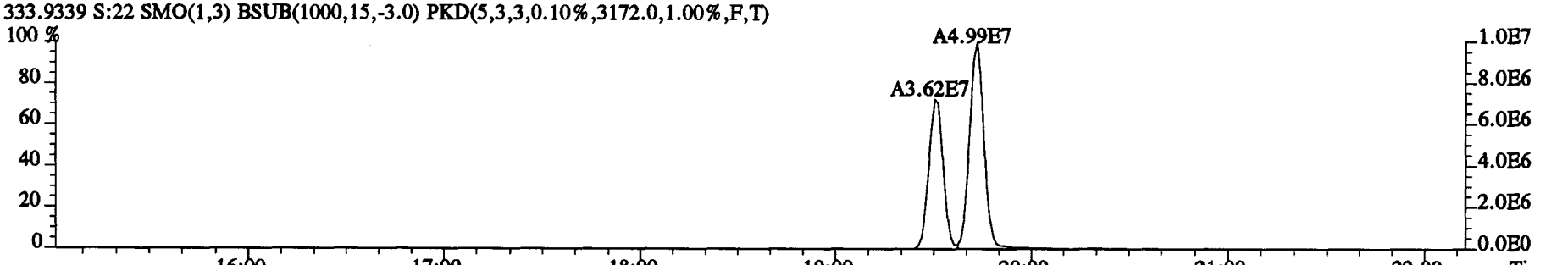
327.8847 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,236.0,1.00%,F,T)



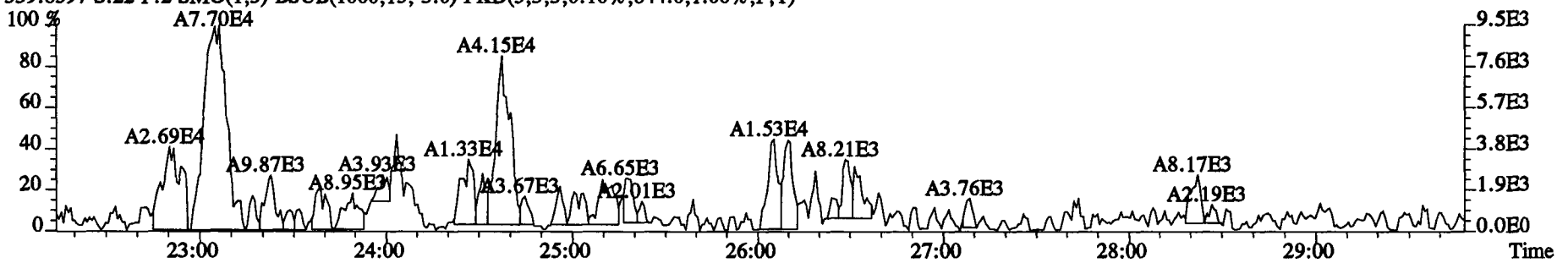
331.9368 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7464.0,1.00%,F,T)

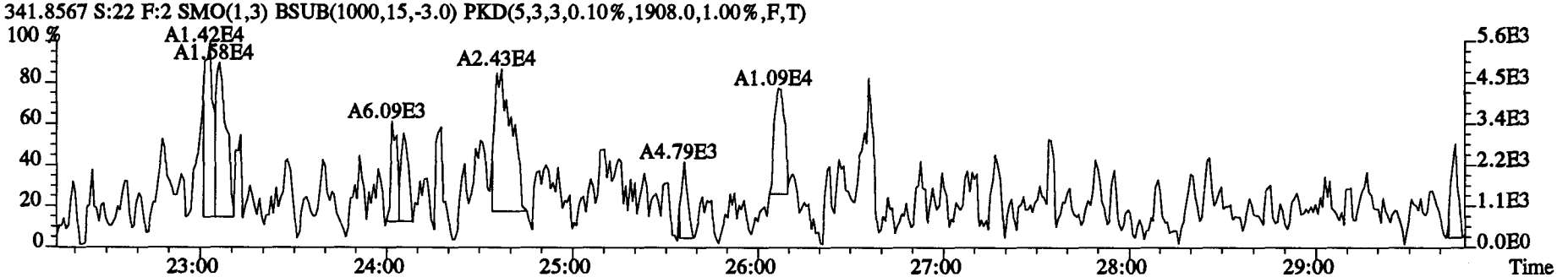


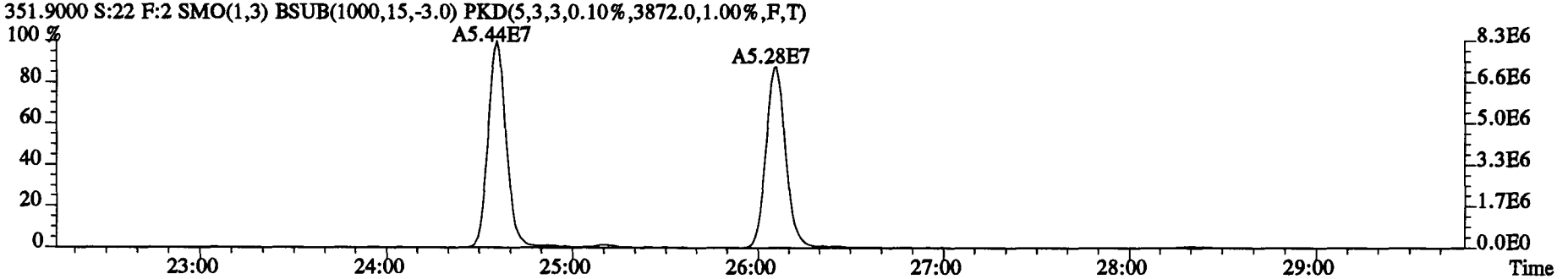
333.9339 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3172.0,1.00%,F,T)

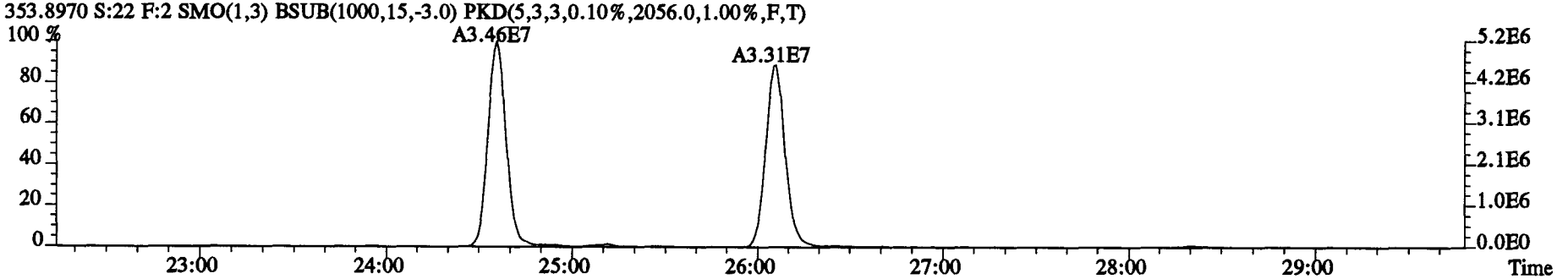


File:24AP104D5 #1-604 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A

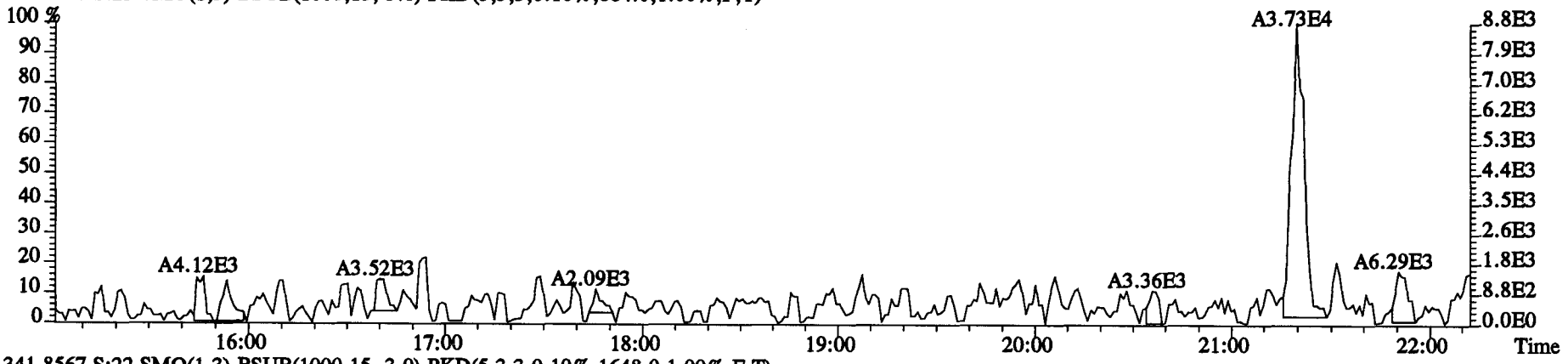




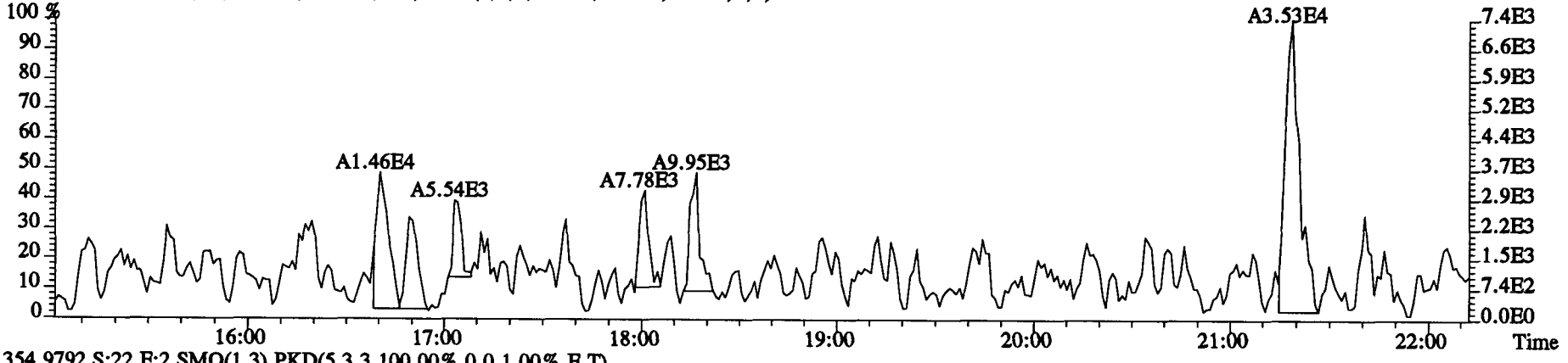




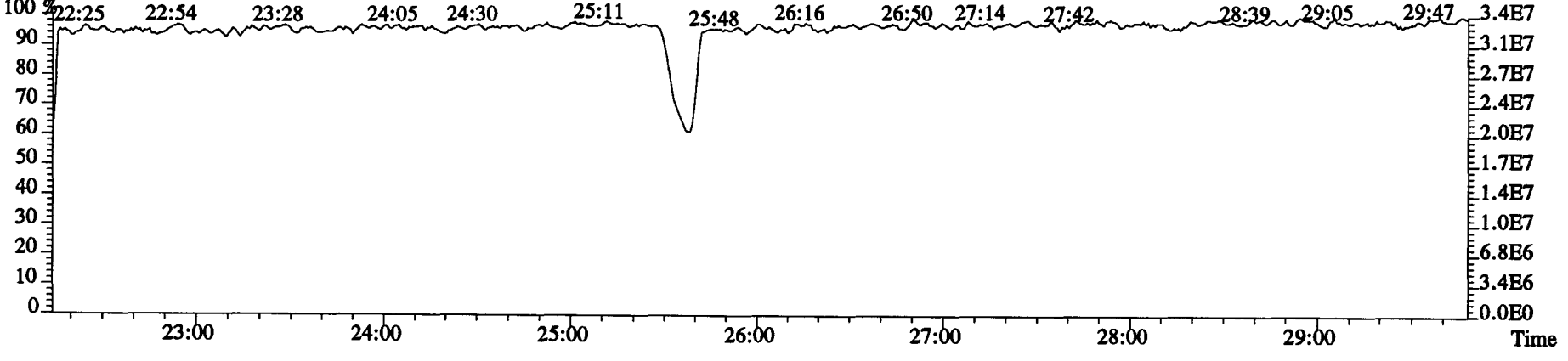
File:24AP104D5 #1-434 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
339.8597 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,884.0,1.00%,F,T)



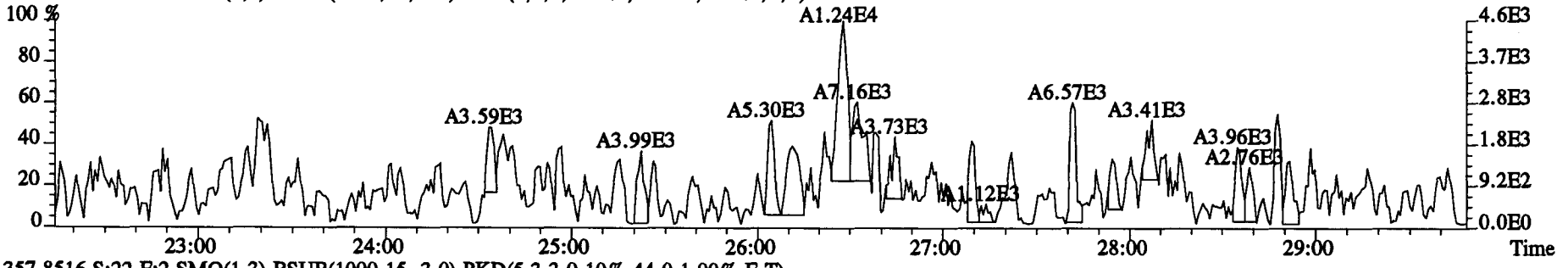
341.8567 S:22 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1648.0,1.00%,F,T)

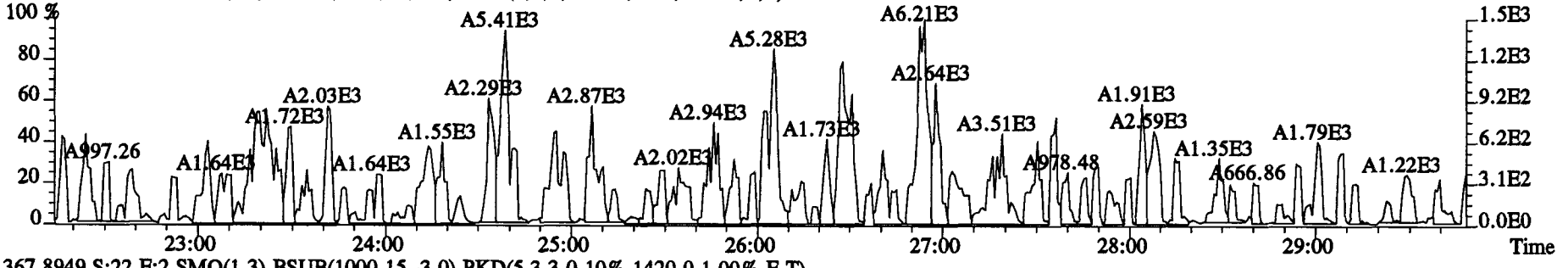


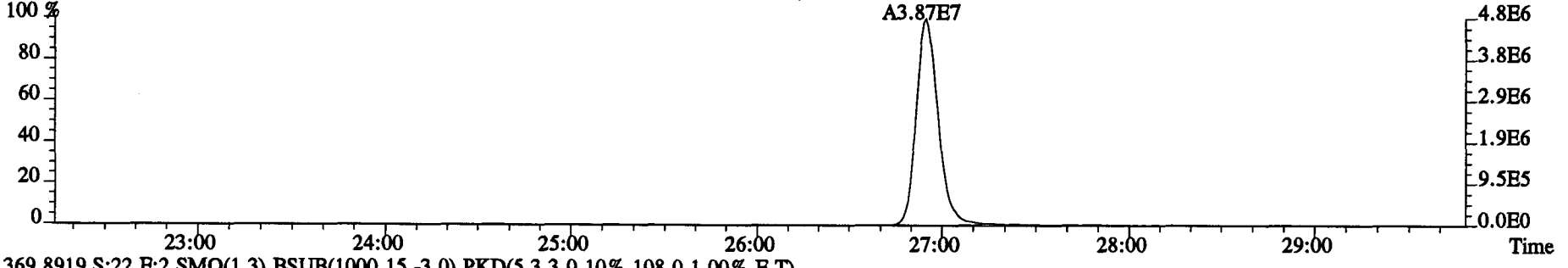
354.9792 S:22 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

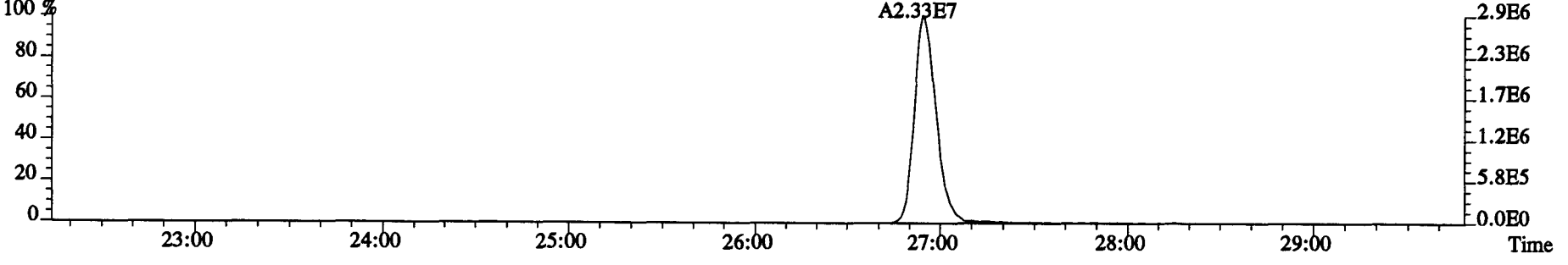


File:24AP104D5 #1-604 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A

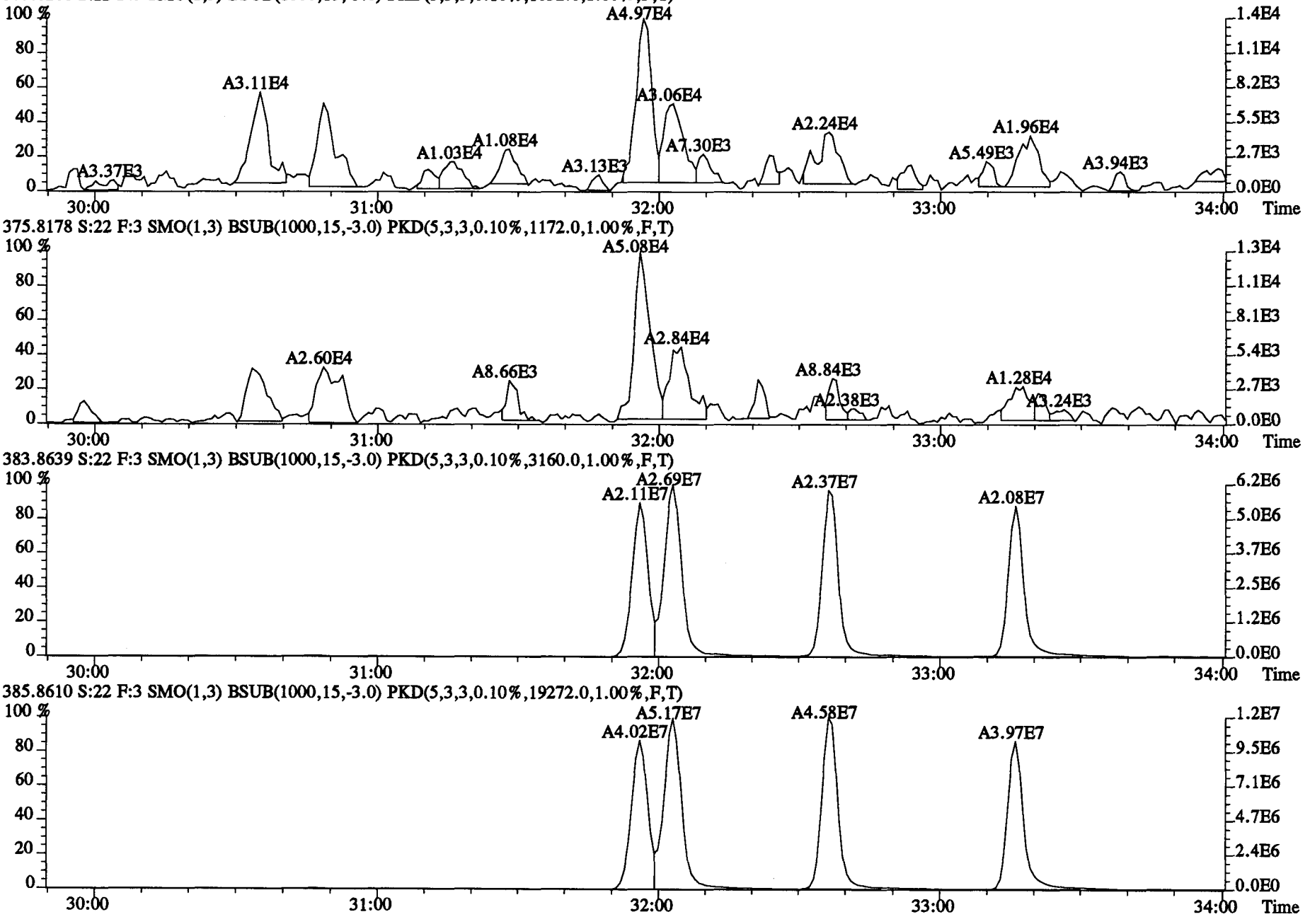




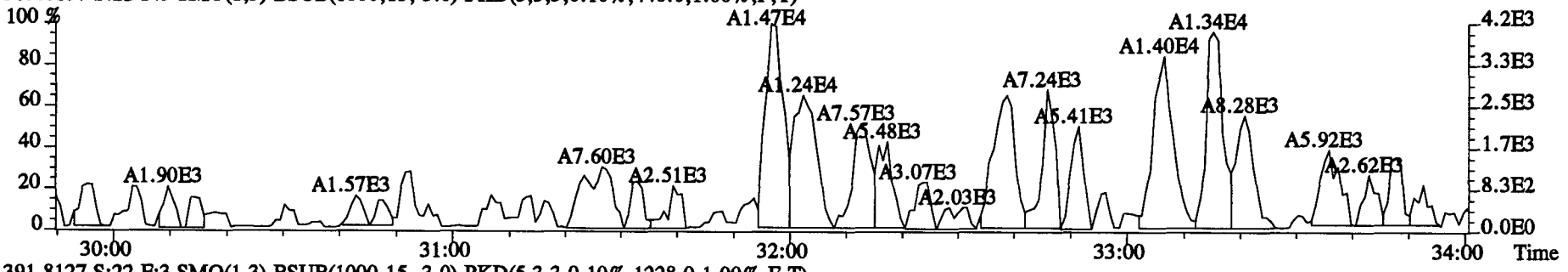




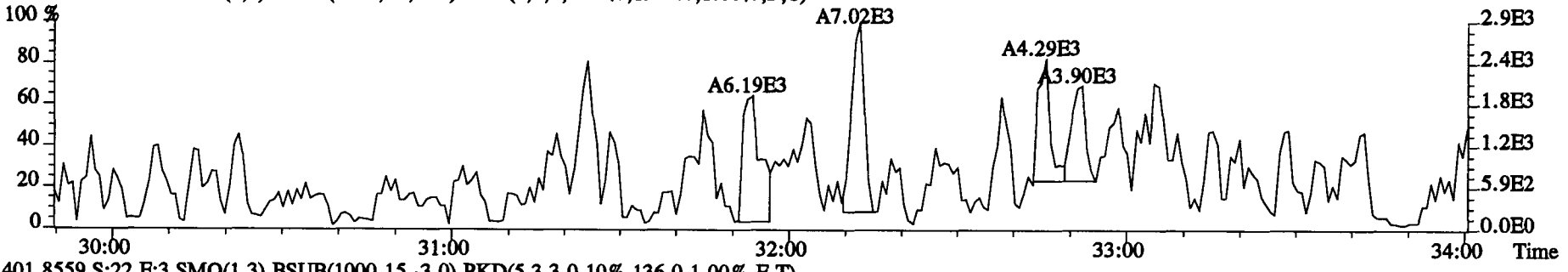
File:24AP104D5 #1-317 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A



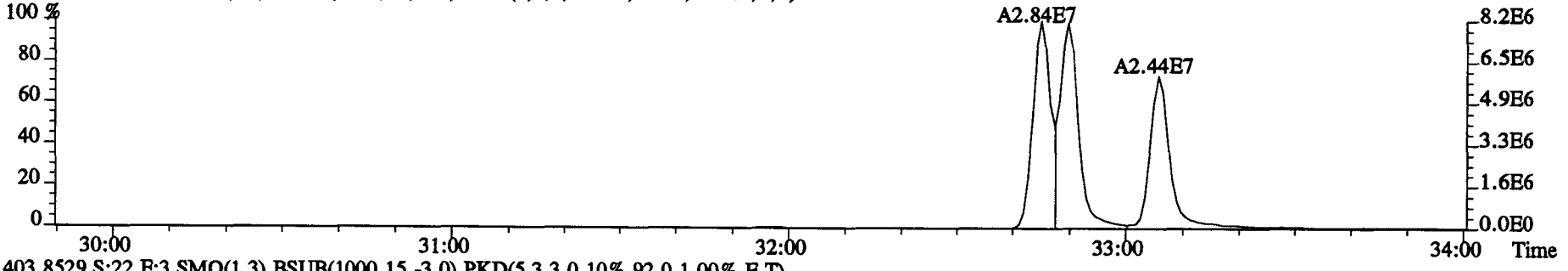
File:24AP104D5 #1-317 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
389.8157 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,440.0,1.00%,F,T)



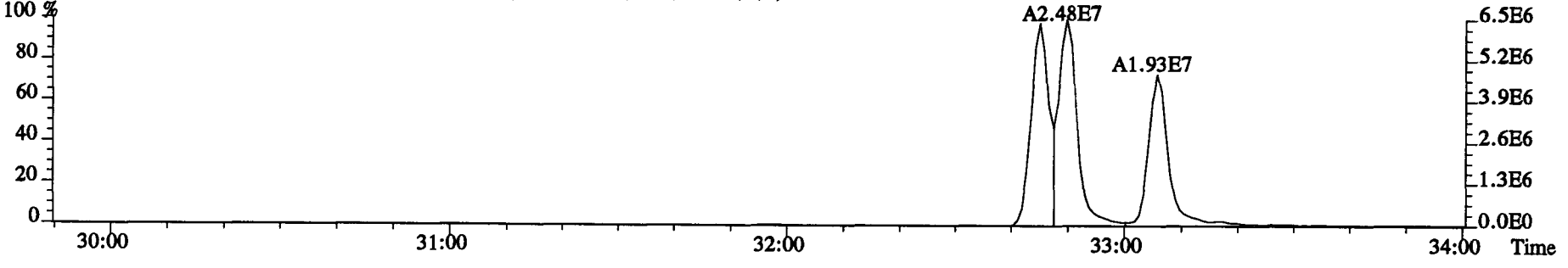
391.8127 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1228.0,1.00%,F,T)



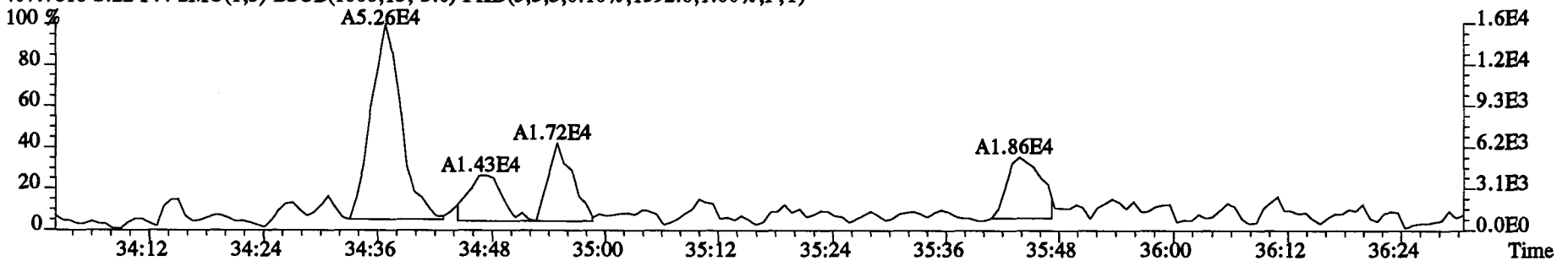
401.8559 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)

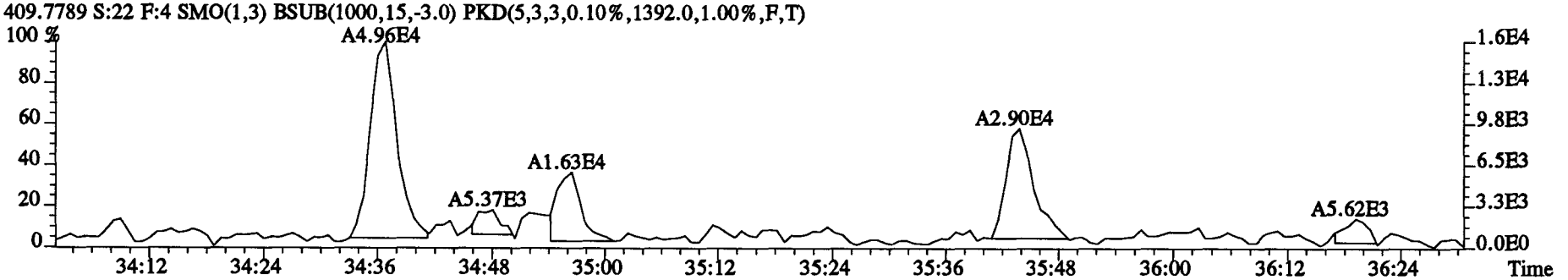


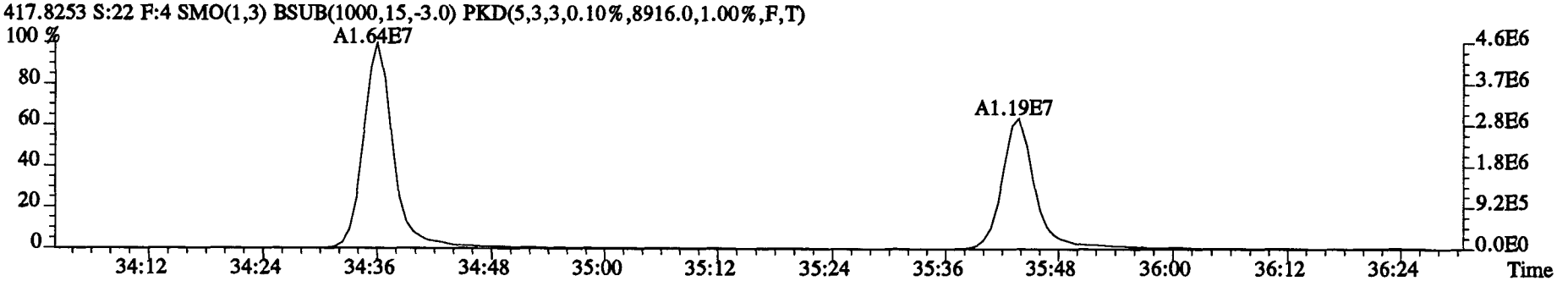
403.8529 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)

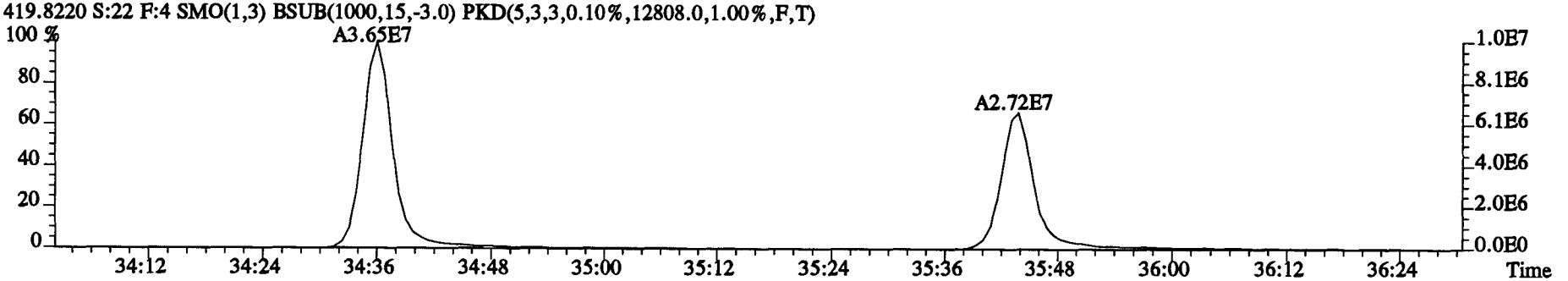


File:24AP104D5 #1-198 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A

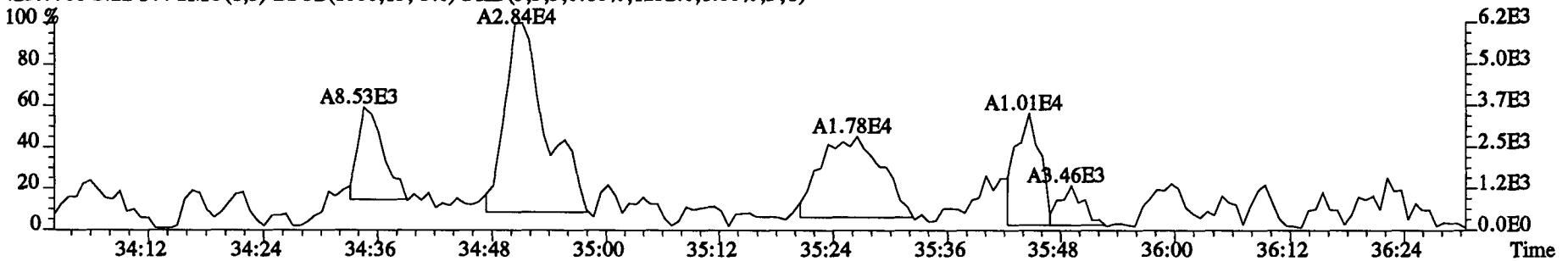




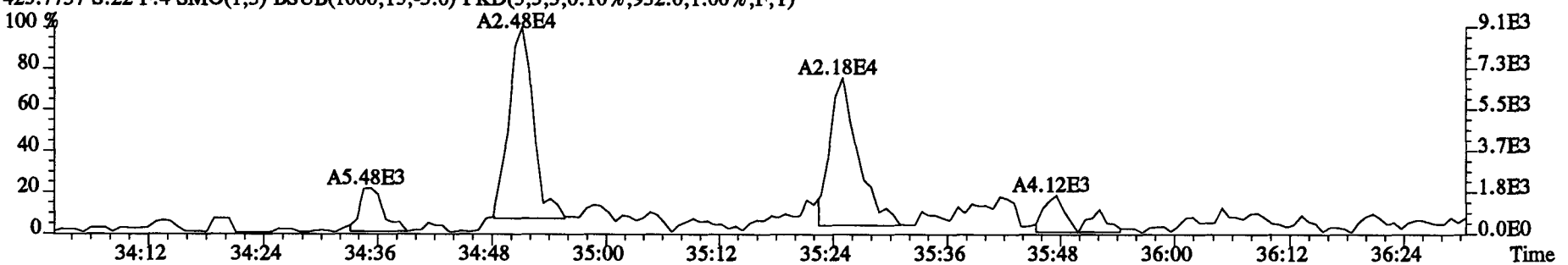




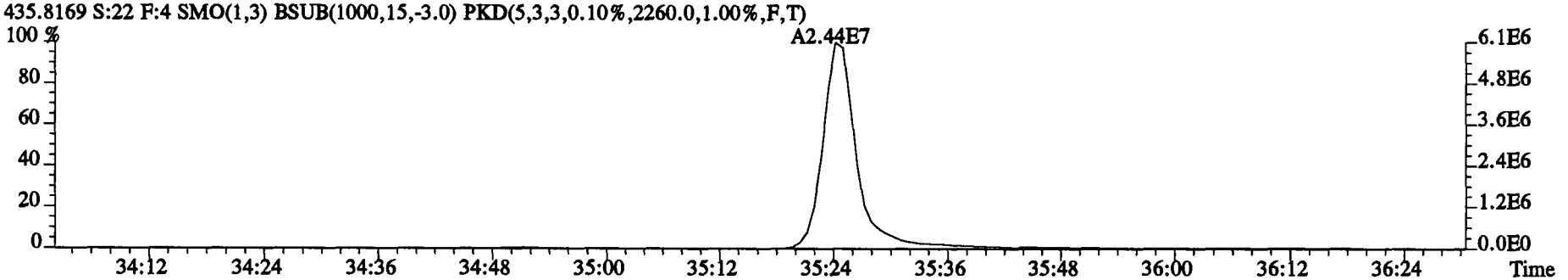
File:24AP104D5 #1-198 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
423.7766 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1252.0,1.00%,F,T)



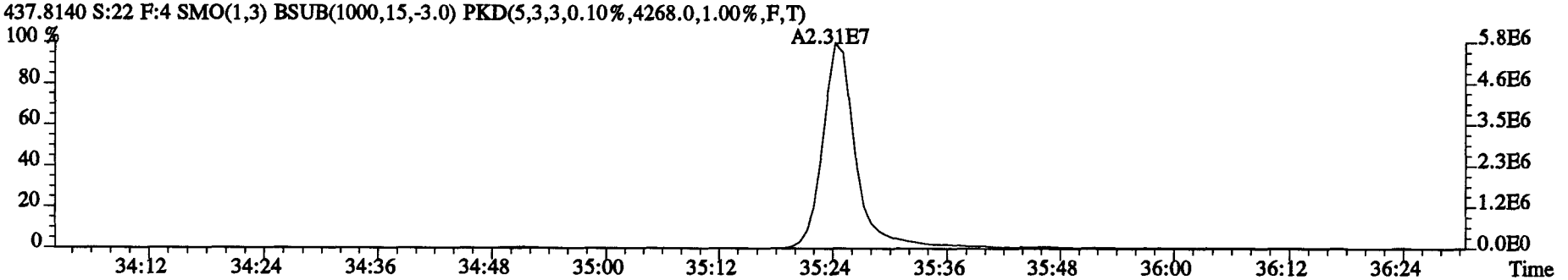
425.7737 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,932.0,1.00%,F,T)



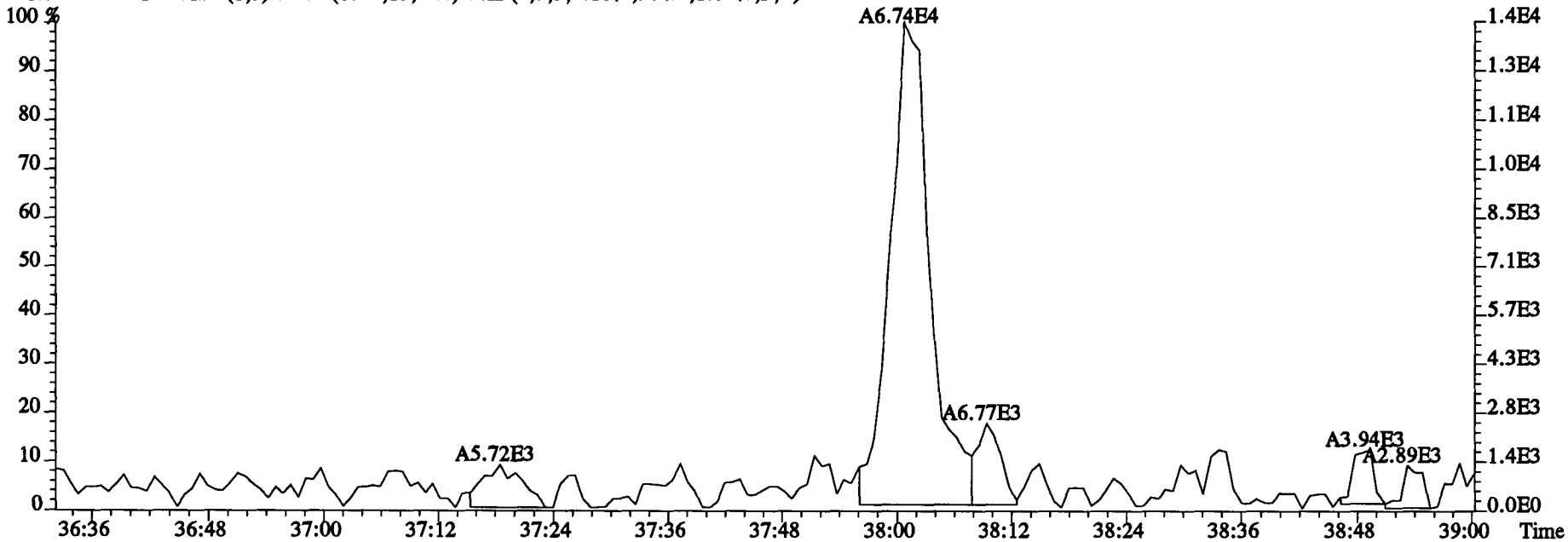
435.8169 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2260.0,1.00%,F,T)



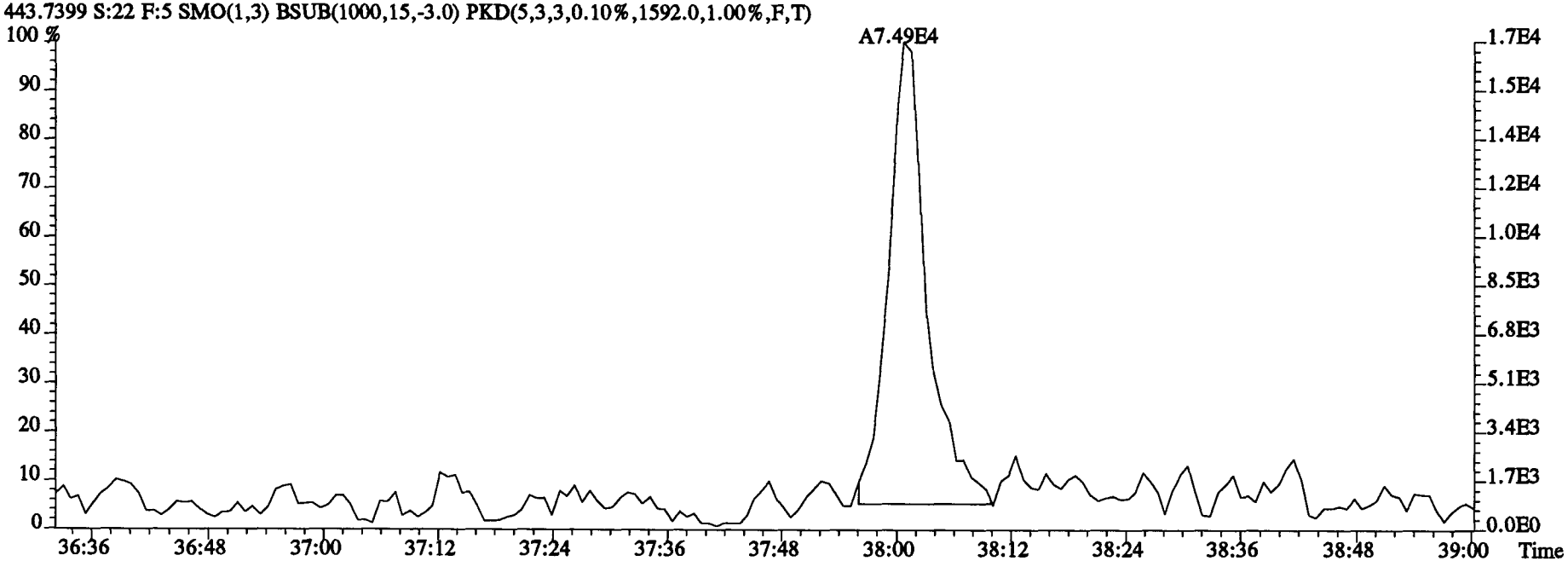
437.8140 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4268.0,1.00%,F,T)



File:24AP104D5 #1-190 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
441.7428 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)

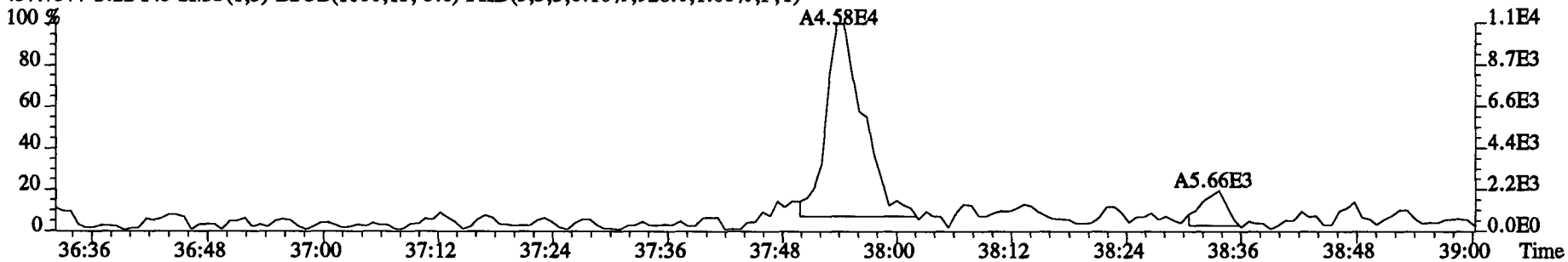


443.7399 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)

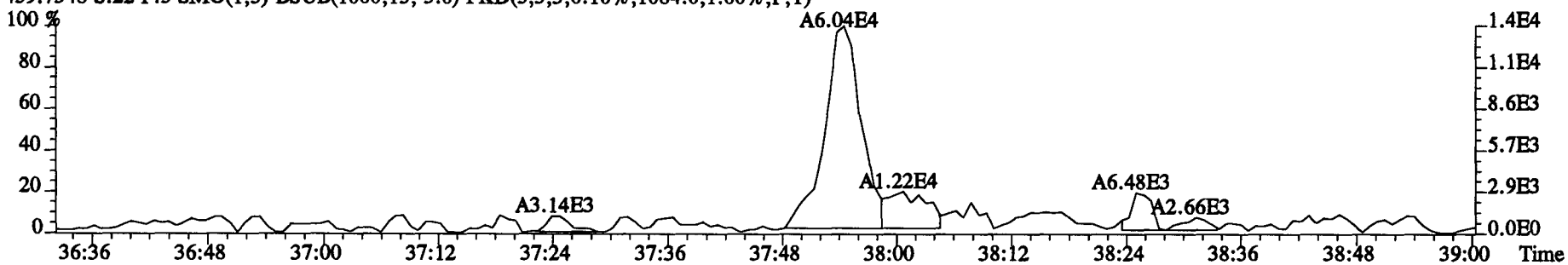


File:24AP104D5 #1-190 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A

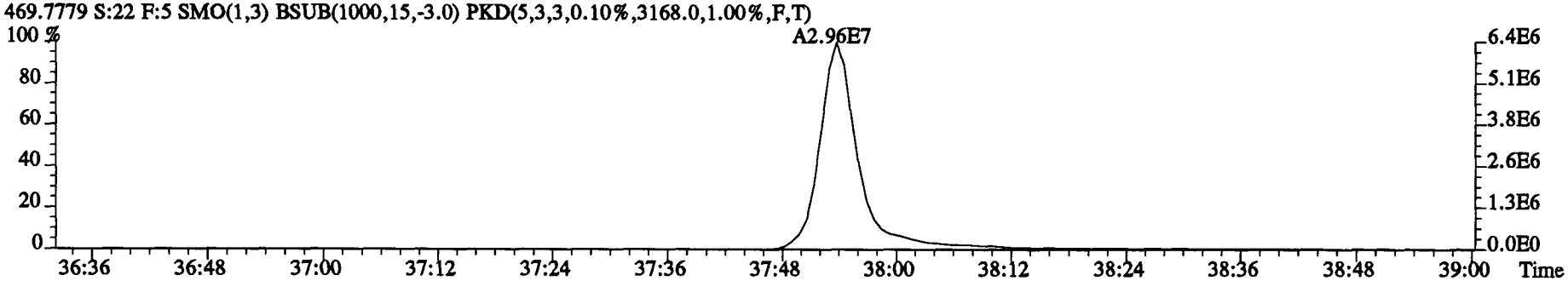
457.7377 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,928.0,1.00%,F,T)



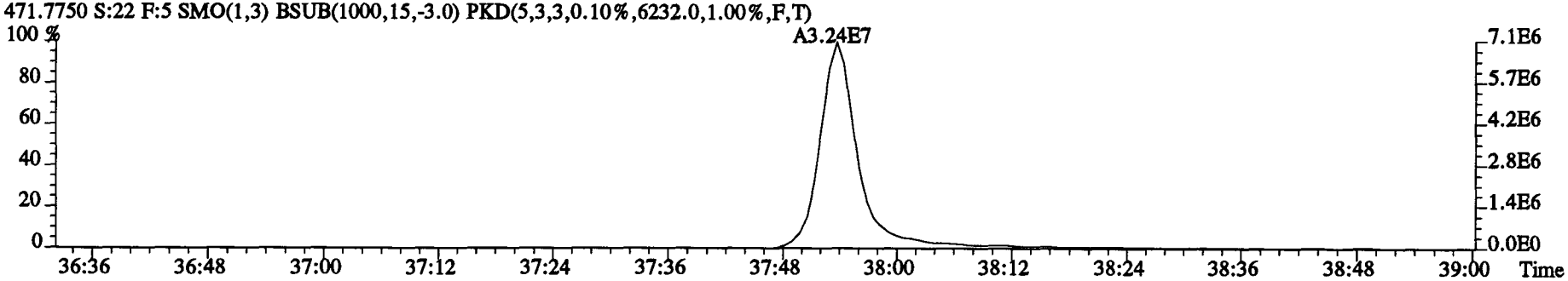
459.7348 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)



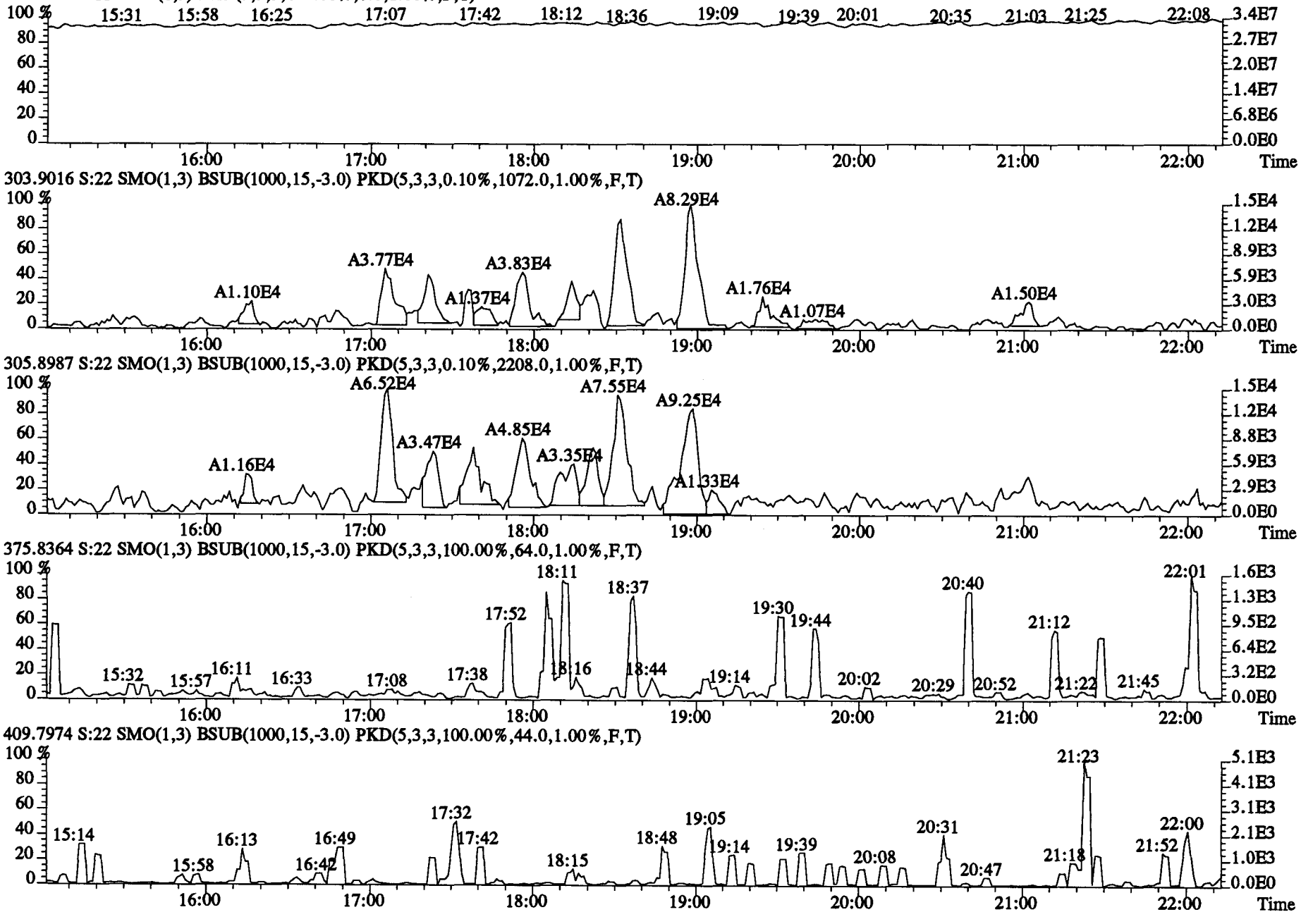
469.7779 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3168.0,1.00%,F,T)



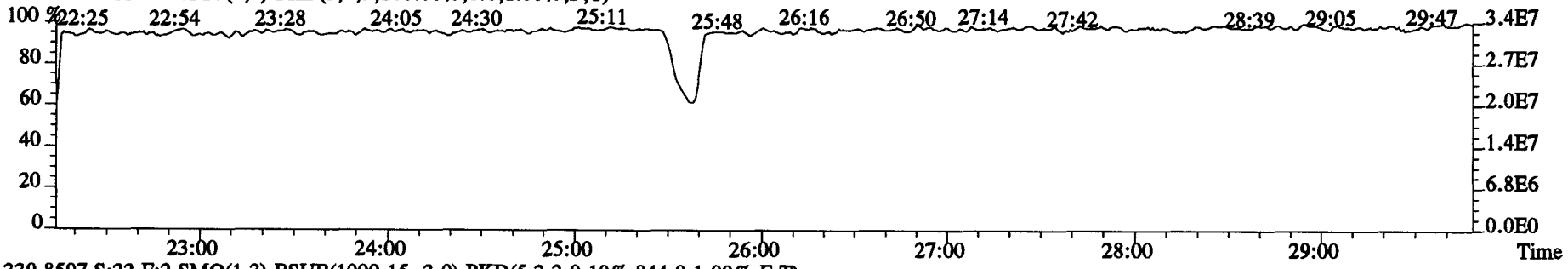
471.7750 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6232.0,1.00%,F,T)



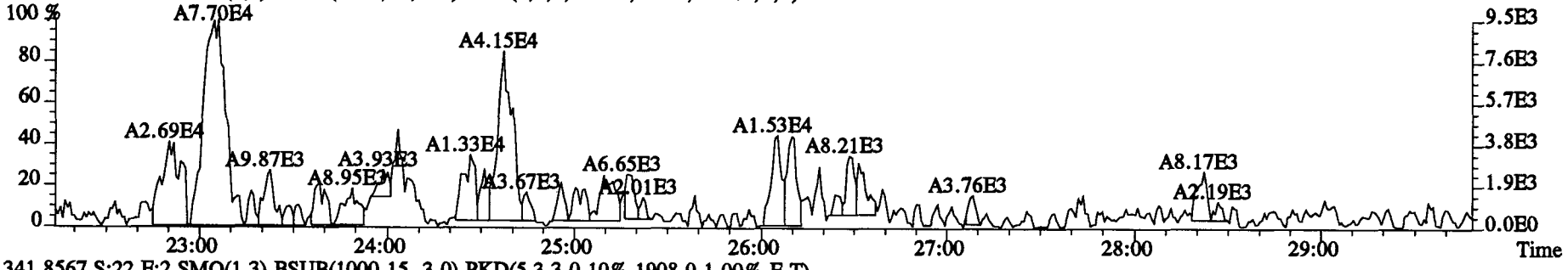
File:24AP104D5 #1-434 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A



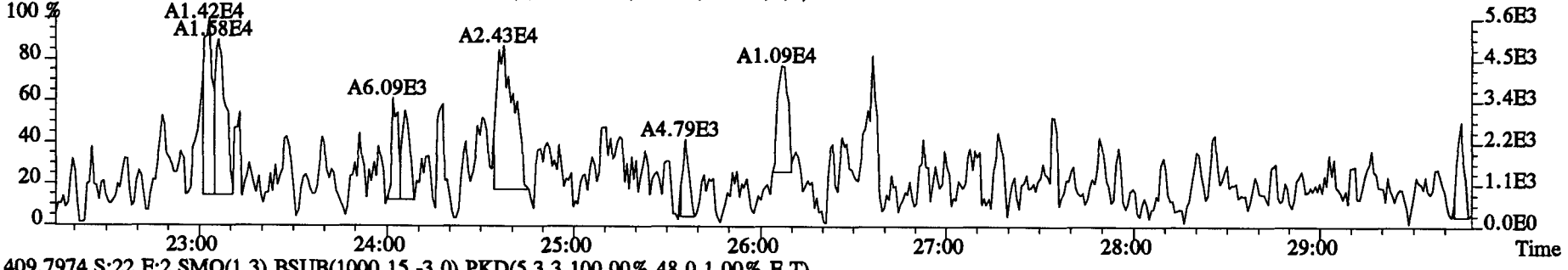
File:24AP104D5 #1-604 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
354.9792 S:22 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



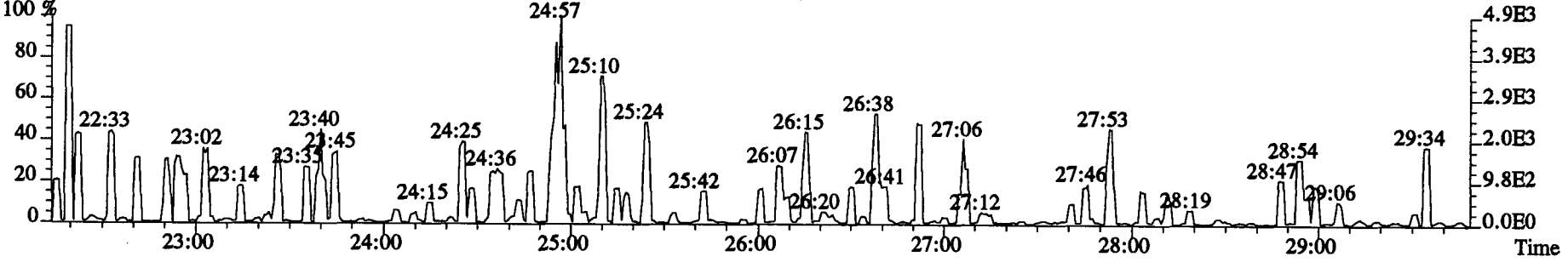
339.8597 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,844.0,1.00%,F,T)



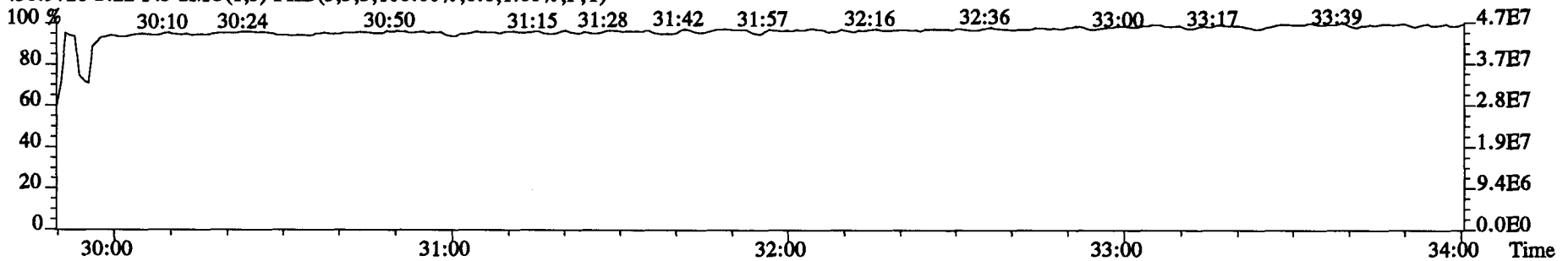
341.8567 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)



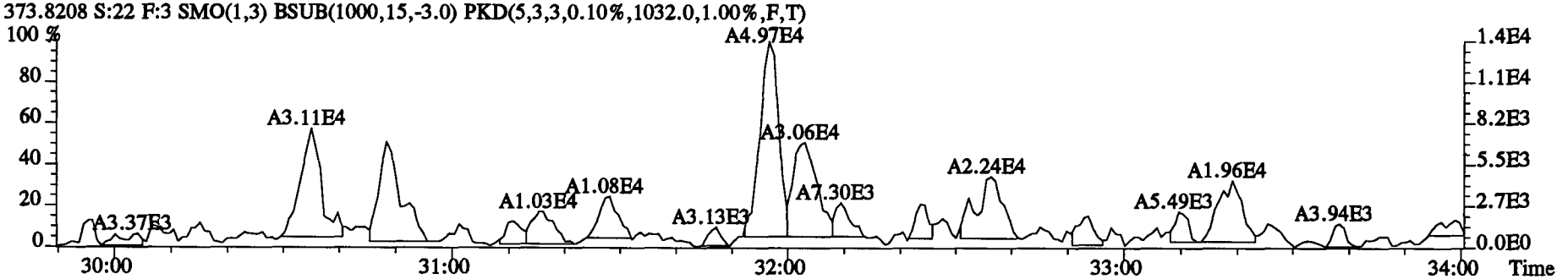
409.7974 S:22 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,48.0,1.00%,F,T)



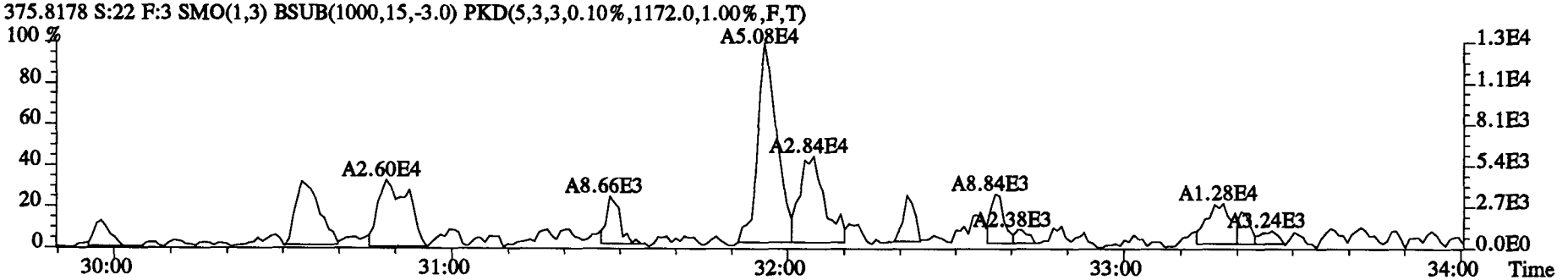
File:24AP104D5 #1-317 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
430.9728 S:22 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



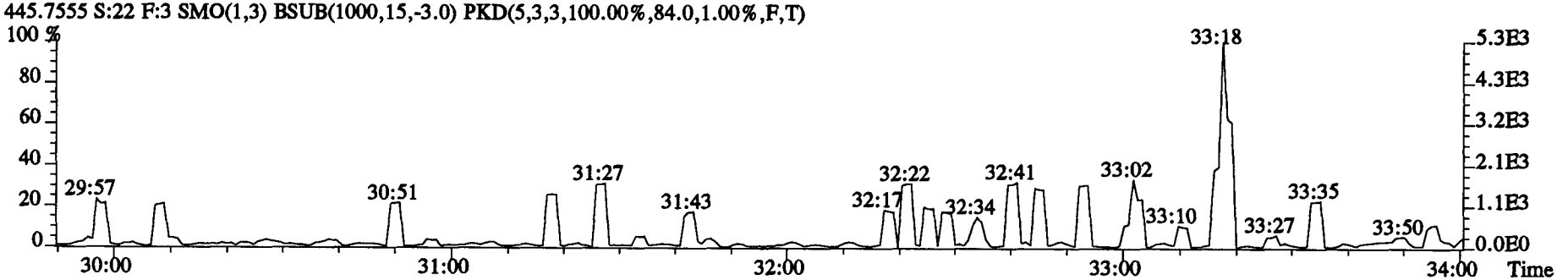
373.8208 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1032.0,1.00%,F,T)



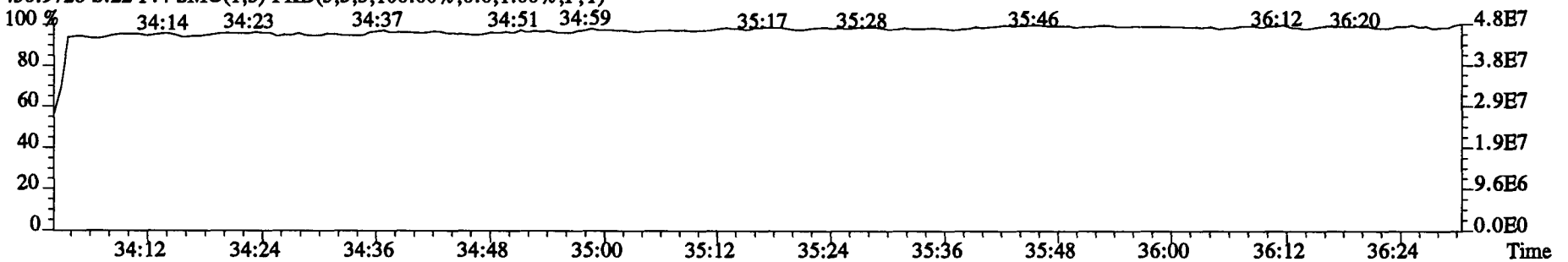
375.8178 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1172.0,1.00%,F,T)



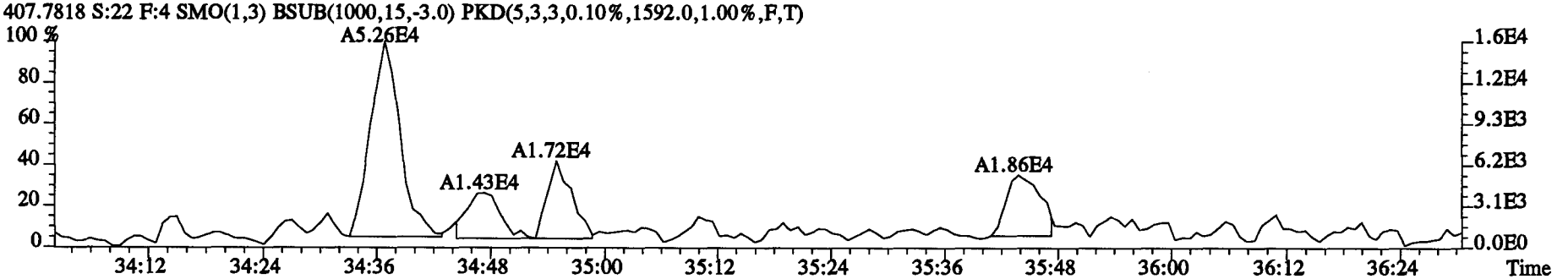
445.7555 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)



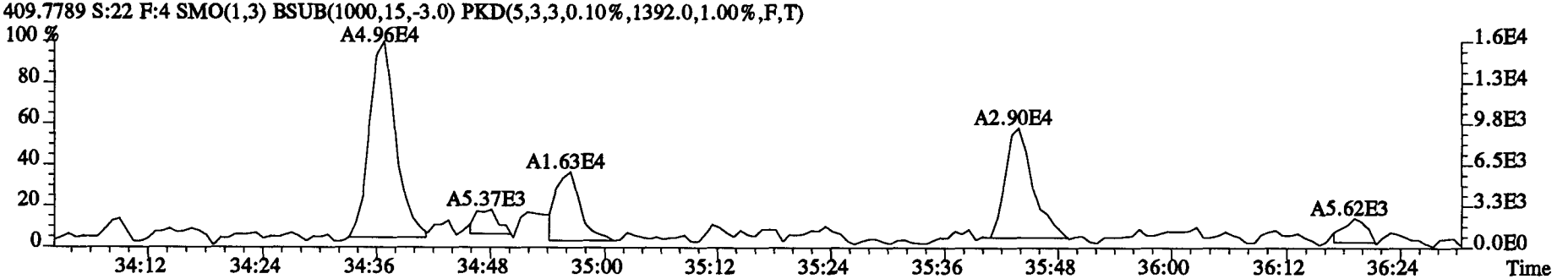
File:24AP104D5 #1-198 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
430.9728 S:22 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



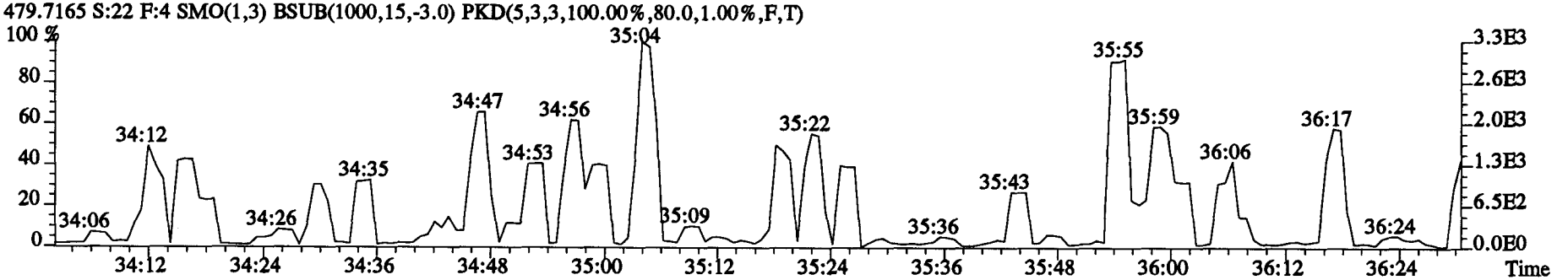
407.7818 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)



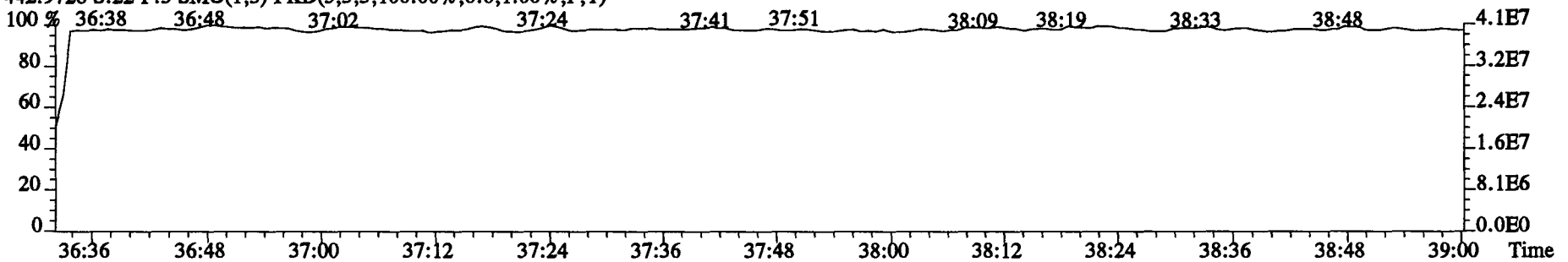
409.7789 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1392.0,1.00%,F,T)



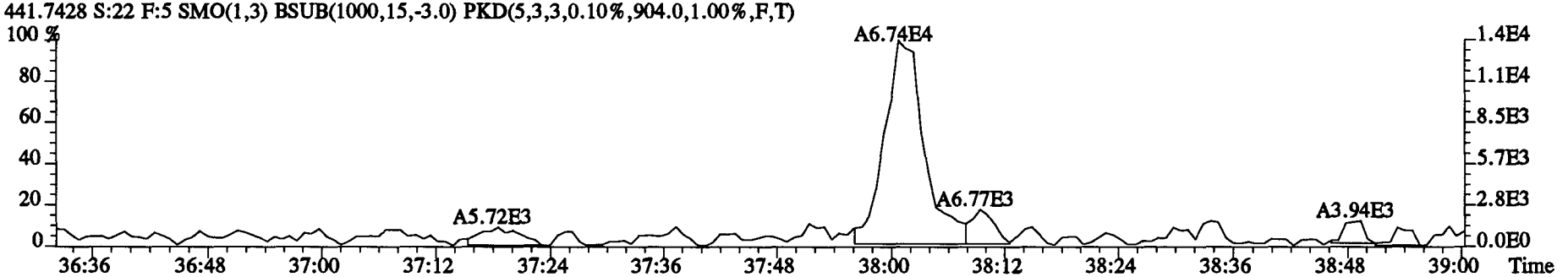
479.7165 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)



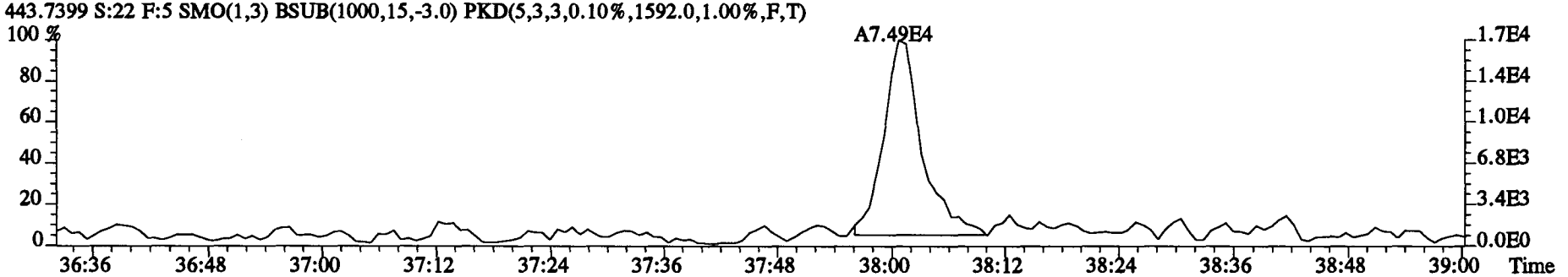
File:24AP104D5 #1-190 Acq:25-APR-2010 00:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#22 Text:LX62M-1-AA :G0D190000-260B Exp:DIOXINRES8290A
442.9728 S:22 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



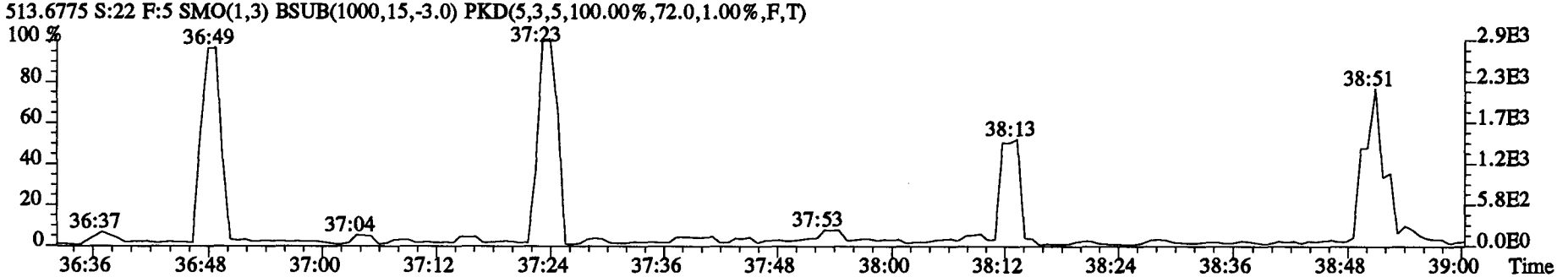
441.7428 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)



443.7399 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)



513.6775 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,72.0,1.00%,F,T)



Run text: LX62M-1-AC Sample text: LX62M-1-AC :G0D190000-260C
Run #25 Filename: 24AP104D5 S: 23 I: 1 Results: 24AP104D58290AOS
Acquired: 25-APR-10 01:18:42 Processed: 26-APR-10 15:22:34
Run: 24AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.00 g

05
04-29-10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	61461700	0.80	y	19:30	-	4.620	-	-	n
13C-2,3,7,8-TCDF	132695200	0.78	y	18:56	1.52	141.970	0.130	71.0	n
2,3,7,8-TCDF	12850610	0.80	y	18:57	0.95	20.489	0.085	-	n
Total TCDF	13764327	0.76	y	17:05	0.95	21.946	0.085	-	n
13C-2,3,7,8-TCDD	97032100	0.79	y	19:43	0.95	166.238	0.304	83.1	n
2,3,7,8-TCDD	9820260	0.75	y	19:44	1.02	19.825	0.084	-	n
Total TCDD	9978096	1.03	n	17:14	1.02	20.143	0.084	-	n
37Cl-2,3,7,8-TCDD	99592000	1.00	y	19:44	2.26	71.658	0.001	89.6	n
13C-1,2,3,7,8-PeCDF	96108400	1.59	y	24:36	1.05	148.879	0.138	74.4	n
1,2,3,7,8-PeCDF	51357600	1.58	y	24:37	1.04	102.296	0.218	-	n
2,3,4,7,8-PeCDF	50405500	1.55	y	26:07	0.98	106.799	0.232	-	n
Total F2 PeCDF	103092256	1.44	y	23:03	1.01	211.824	0.225	-	n
Total F1 PeCDF	64546	0.49	n	16:41	1.01	0.133	0.102	-	n
13C-1,2,3,7,8-PeCDD	67365500	1.61	y	26:54	0.67	163.476	0.107	81.7	n
1,2,3,7,8-PeCDD	33719900	1.59	y	26:56	0.98	101.953	0.201	-	n
Total PeCDD	33775239	1.59	y	26:56	0.98	102.121	0.201	-	n
13C-1,2,3,7,8,9-HxCDD	42076200	1.31	y	33:06	-	4.095	-	-	n
13C-1,2,3,4,7,8-HxCDF	69016700	0.52	y	31:56	1.02	160.049	0.097	80.0	n
1,2,3,4,7,8-HxCDF	47643000	1.23	y	31:57	1.21	113.855	0.070	-	n
1,2,3,6,7,8-HxCDF	50313800	1.22	y	32:04	1.34	108.581	0.064	-	n
2,3,4,6,7,8-HxCDF	43749600	1.24	y	32:37	1.22	103.724	0.070	-	n
1,2,3,7,8,9-HxCDF	38917400	1.25	y	33:17	1.09	103.231	0.078	-	n
Total HxCDF	180780000	1.40	y	30:49	1.22	429.764	0.070	-	n
13C-1,2,3,6,7,8-HxCDD	58261200	1.24	y	32:50	0.81	171.567	0.011	85.8	n
1,2,3,4,7,8-HxCDD	31682600	1.28	y	32:46	1.01	108.031	0.055	-	y
1,2,3,6,7,8-HxCDD	33802700	1.30	y	32:51	1.11	104.172	0.050	-	y
1,2,3,7,8,9-HxCDD	35845500	1.26	y	33:07	1.21	101.777	0.046	-	n
Total HxCDD	101330800	1.28	y	32:46	1.11	313.980	0.050	-	y
13C-1,2,3,4,6,7,8-HpCDF	59374300	0.45	y	34:36	0.86	163.590	0.990	81.8	n
1,2,3,4,6,7,8-HpCDF	40442300	0.96	y	34:37	1.31	104.017	0.321	-	n
1,2,3,4,7,8,9-HpCDF	31795600	0.96	y	35:44	1.03	104.425	0.410	-	n
Total HpCDF	72662277	0.96	y	34:37	1.17	209.666	0.360	-	n
13C-1,2,3,4,6,7,8-HpCDD	53948700	1.08	y	35:24	0.70	183.825	0.556	91.9	n
1,2,3,4,6,7,8-HpCDD	29071000	1.04	y	35:25	1.07	100.548	0.217	-	n
Total HpCDD	29168704	0.65	n	34:51	1.07	100.886	0.217	-	n
13C-OCDD	73733700	0.91	y	37:54	0.53	329.776	0.431	82.4	n
OCDF	53874500	0.91	y	38:01	1.45	202.210	0.114	-	n

OCDD	45041800	0.89	y	37:55	1.17	209.516/	0.126	- n

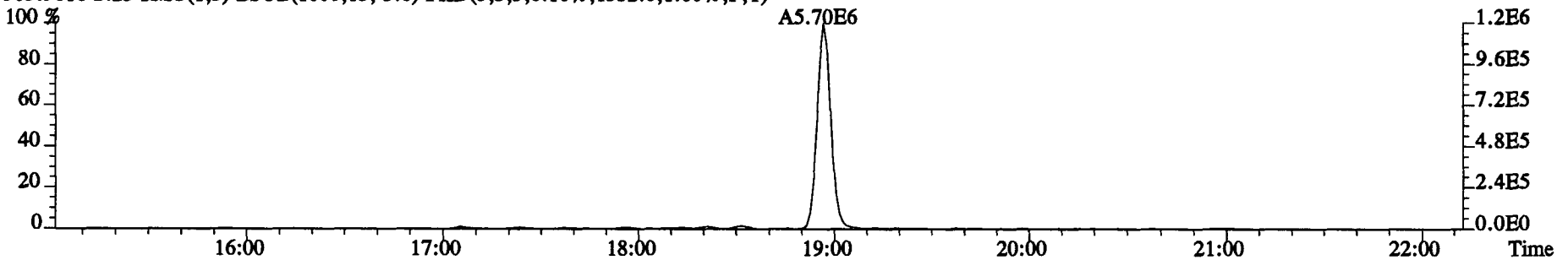
Run text: LX62M-1-AC Sample text: LX62M-1-AC :G0D190000-260C
Run #25 Filename: 24AP104D5 S: 23 I: 1 Results: 24AP104D58290A
Acquired: 25-APR-10 01:18:42 Processed: 26-APR-10 15:22:34
Run: 24AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.00 g

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	61461700	0.80	y	19:30	-	4.6198	-	-	n
13C-2,3,7,8-TCDF	132695200	0.78	y	18:56	1.52	141.9699	0.1298	71.0	n
2,3,7,8-TCDF	12850610	0.80	y	18:57	0.95	20.4890	0.0847	-	n
Total TCDF	13764327	0.76	y	17:05	0.95	21.9459	0.0847	-	n
13C-2,3,7,8-TCDD	97032100	0.79	y	19:43	0.95	166.2379	0.3041	83.1	n
2,3,7,8-TCDD	9820260	0.75	y	19:44	1.02	19.8246	0.0841	-	n
Total TCDD	9978096	1.03	n	17:14	1.02	20.1432	0.0841	-	n
37Cl-2,3,7,8-TCDD	99592000	1.00	y	19:44	2.26	71.6575	0.0008	89.6	n
13C-1,2,3,7,8-PeCDF	96108400	1.59	y	24:36	1.05	148.8789	0.1379	74.4	n
1,2,3,7,8-PeCDF	51357600	1.58	y	24:37	1.04	102.2958	0.2179	-	n
2,3,4,7,8-PeCDF	50405500	1.55	y	26:07	0.98	106.7994	0.2318	-	n
Total F2 PeCDF	103092256	1.44	y	23:03	1.01	211.8245	0.2246	-	n
Total F1 PeCDF	64546	0.49	n	16:41	1.01	0.1325	0.1020	-	n
13C-1,2,3,7,8-PeCDD	67365500	1.61	y	26:54	0.67	163.4763	0.1066	81.7	n
1,2,3,7,8-PeCDD	33719900	1.59	y	26:56	0.98	101.9532	0.2015	-	n
Total PeCDD	33775239	1.59	y	26:56	0.98	102.1205	0.2015	-	n
13C-1,2,3,7,8,9-HxCDD	42076200	1.31	y	33:06	-	4.0947	-	-	n
13C-1,2,3,4,7,8-HxCDF	69016700	0.52	y	31:56	1.02	160.0487	0.0968	80.0	n
1,2,3,4,7,8-HxCDF	47643000	1.23	y	31:57	1.21	113.8546	0.0705	-	n
1,2,3,6,7,8-HxCDF	50313800	1.22	y	32:04	1.34	108.5814	0.0637	-	n
2,3,4,6,7,8-HxCDF	43749600	1.24	y	32:37	1.22	103.7245	0.0699	-	n
1,2,3,7,8,9-HxCDF	38917400	1.25	y	33:17	1.09	103.2315	0.0782	-	n
Total HxCDF	180780000	1.40	y	30:49	1.22	429.7638	0.0702	-	n
13C-1,2,3,6,7,8-HxCDD	58261200	1.24	y	32:50	0.81	171.5667	0.0106	85.8	n
1,2,3,4,7,8-HxCDD	27545728	1.45	n	32:46	1.01	93.9250	0.0550	-	n
1,2,3,6,7,8-HxCDD	35361200	1.18	y	32:51	1.11	108.9749	0.0497	-	n
1,2,3,7,8,9-HxCDD	35845500	1.26	y	33:07	1.21	101.7768	0.0458	-	n
Total HxCDD	98752428	1.45	n	32:46	1.11	304.6767	0.0499	-	n
13C-1,2,3,4,6,7,8-HpCDF	59374300	0.45	y	34:36	0.86	163.5903	0.9903	81.8	n
1,2,3,4,6,7,8-HpCDF	40442300	0.96	y	34:37	1.31	104.0166	0.3211	-	n
1,2,3,4,7,8,9-HpCDF	31795600	0.96	y	35:44	1.03	104.4254	0.4100	-	n
Total HpCDF	72662277	0.96	y	34:37	1.17	209.6662	0.3602	-	n
13C-1,2,3,4,6,7,8-HpCDD	53948700	1.08	y	35:24	0.70	183.8245	0.5556	91.9	n
1,2,3,4,6,7,8-HpCDD	29071000	1.04	y	35:25	1.07	100.5480	0.2171	-	n
Total HpCDD	29168704	0.65	n	34:51	1.07	100.8859	0.2171	-	n
13C-OCDD	73733700	0.91	y	37:54	0.53	329.7757	0.4310	82.4	n
OCDF	53874500	0.91	y	38:01	1.45	202.2101	0.1136	-	n
OCDD	45041800	0.89	y	37:55	1.17	209.5163	0.1263	-	n

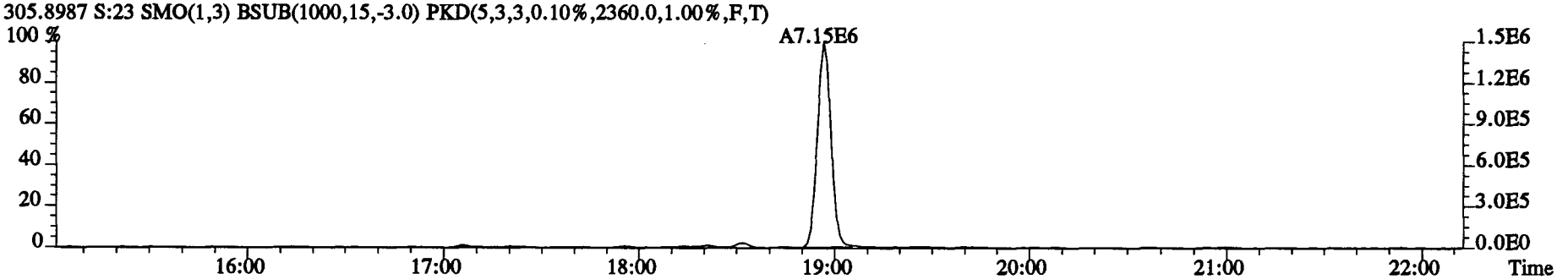
4/26/10 mc

File:24AP104D5 #1-434 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A

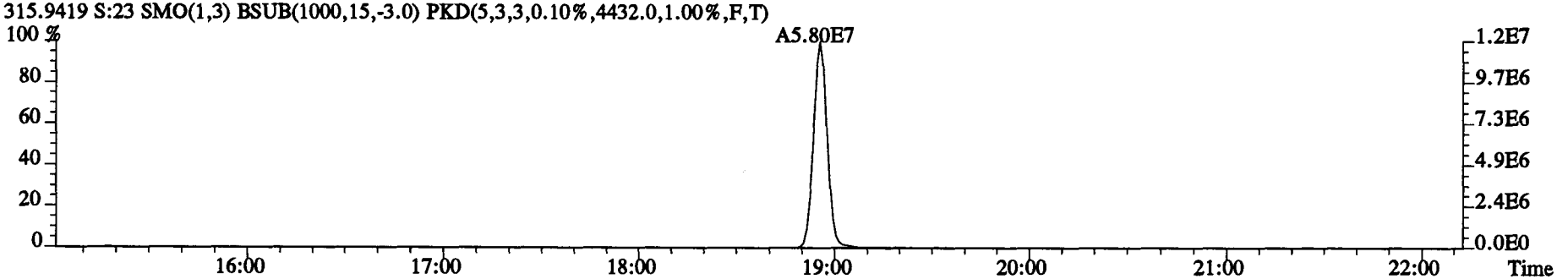
303.9016 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1352.0,1.00%,F,T)



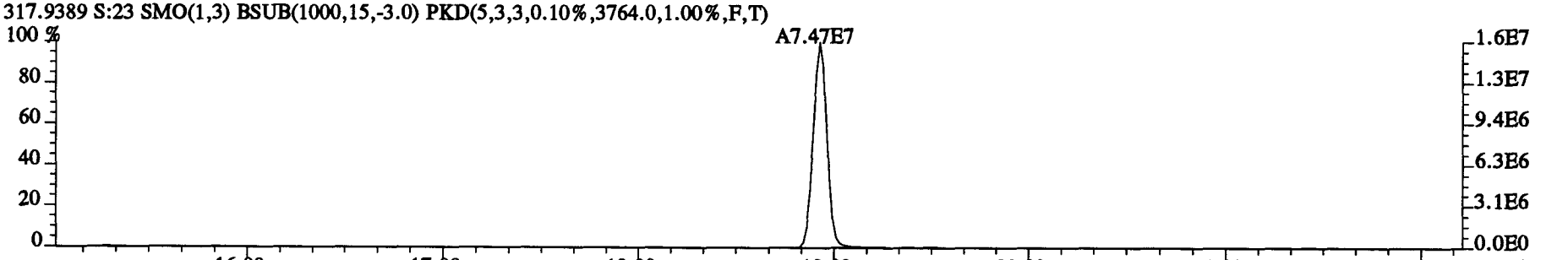
305.8987 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



315.9419 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4432.0,1.00%,F,T)

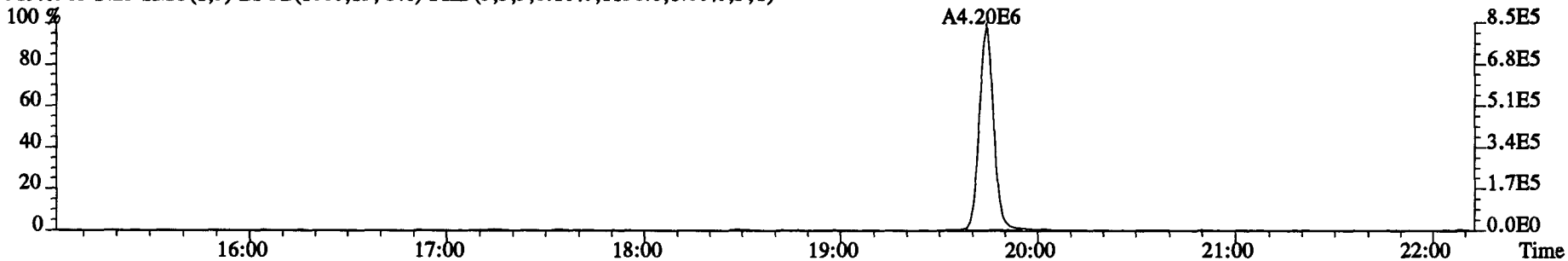


317.9389 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3764.0,1.00%,F,T)

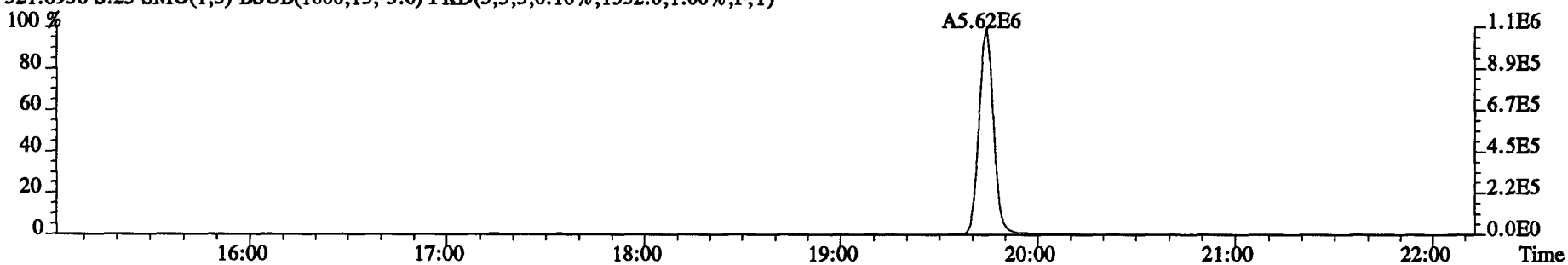


File:24AP104D5 #1-434 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A

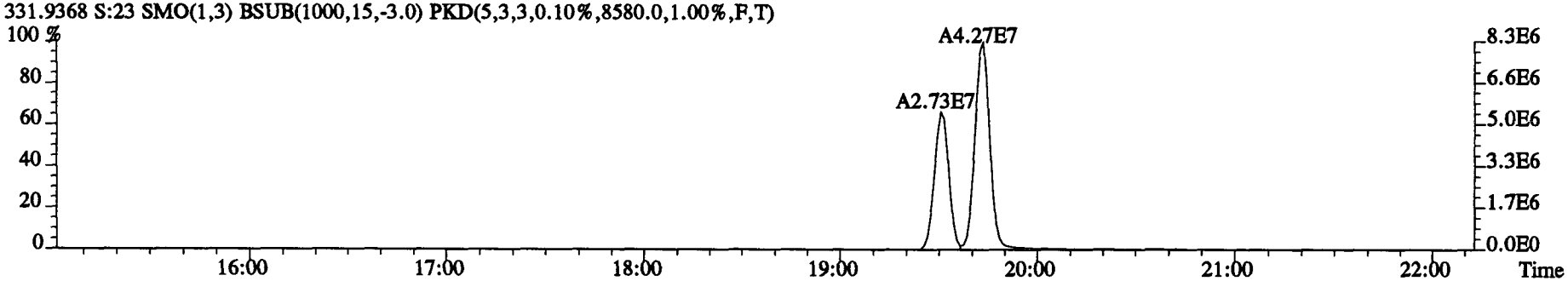
319.8965 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1156.0,1.00%,F,T)



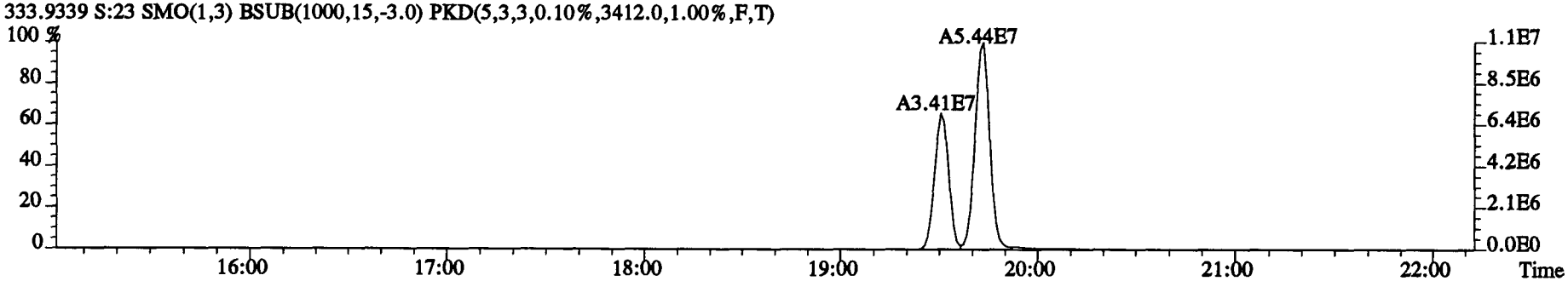
321.8936 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1552.0,1.00%,F,T)



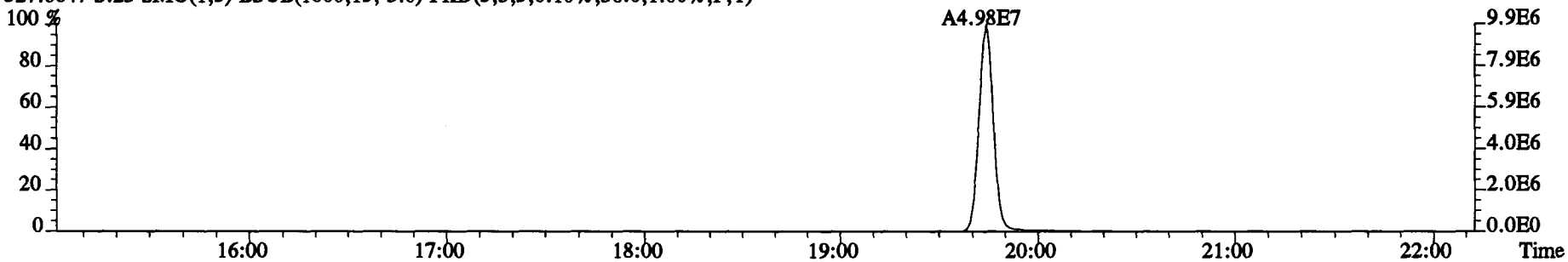
331.9368 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8580.0,1.00%,F,T)

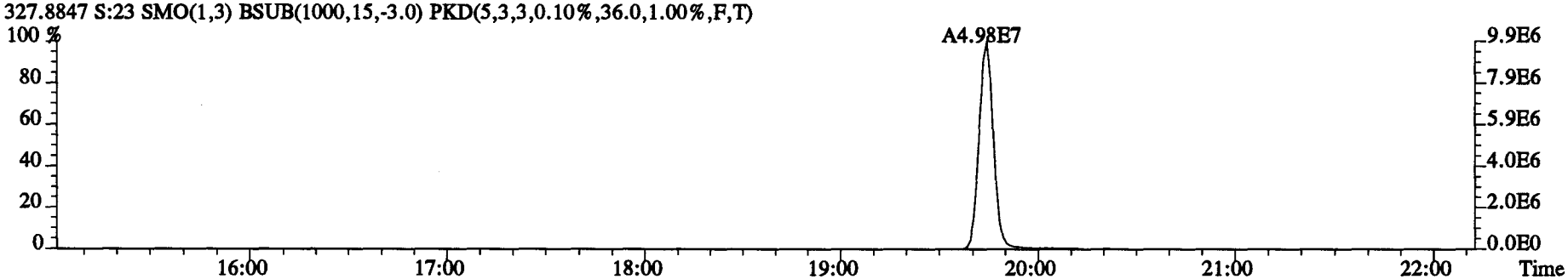


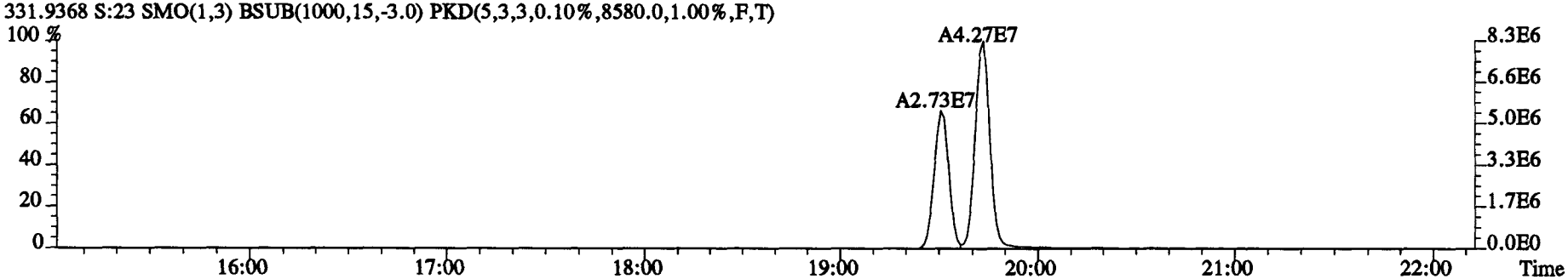
333.9339 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3412.0,1.00%,F,T)

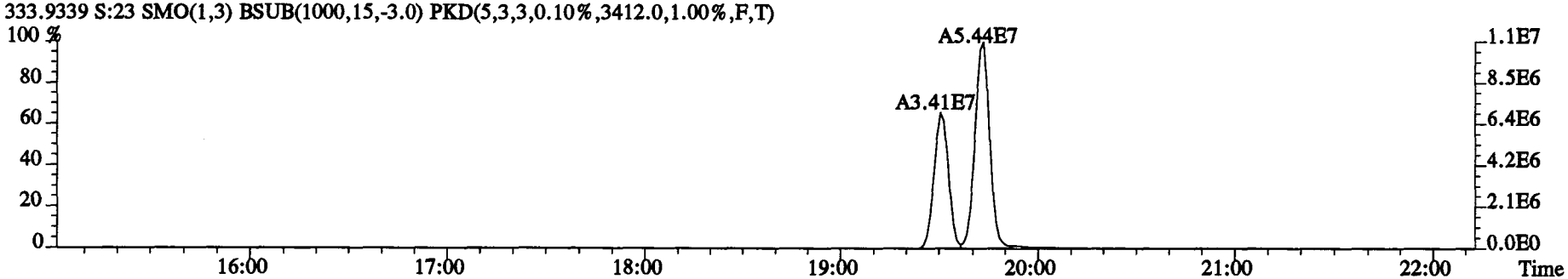


File:24AP104D5 #1-434 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A



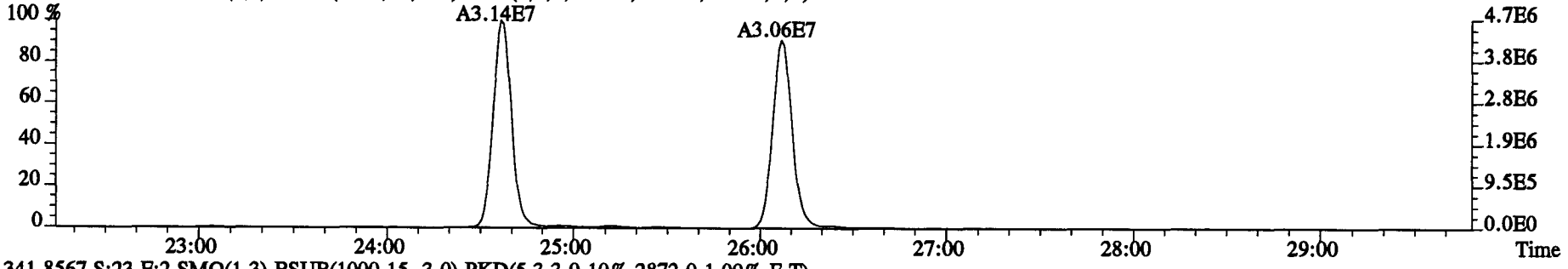




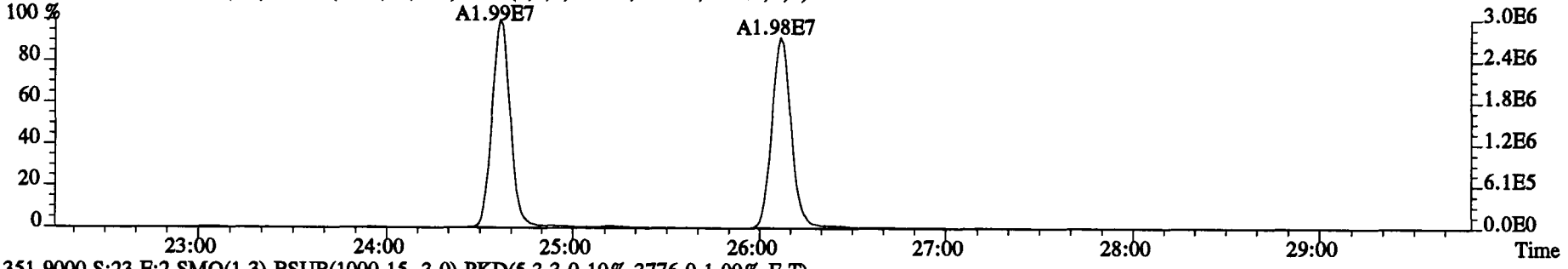


File:24AP104D5 #1-604 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A

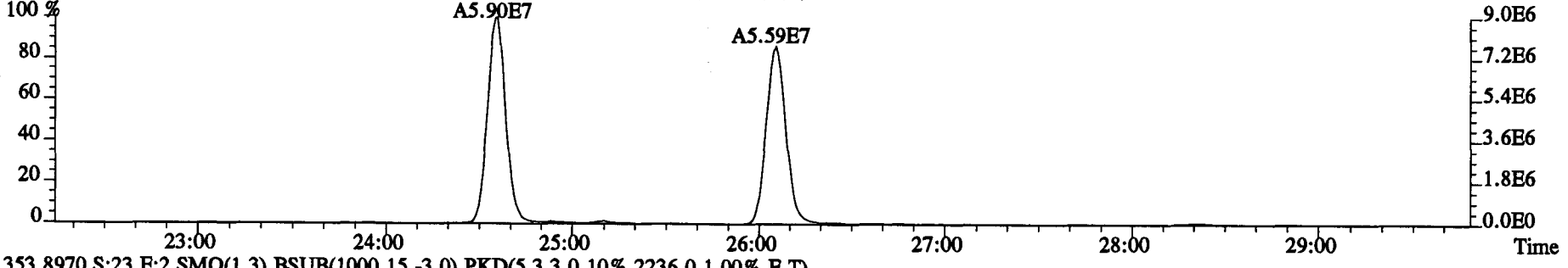
339.8597 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2652.0,1.00%,F,T)



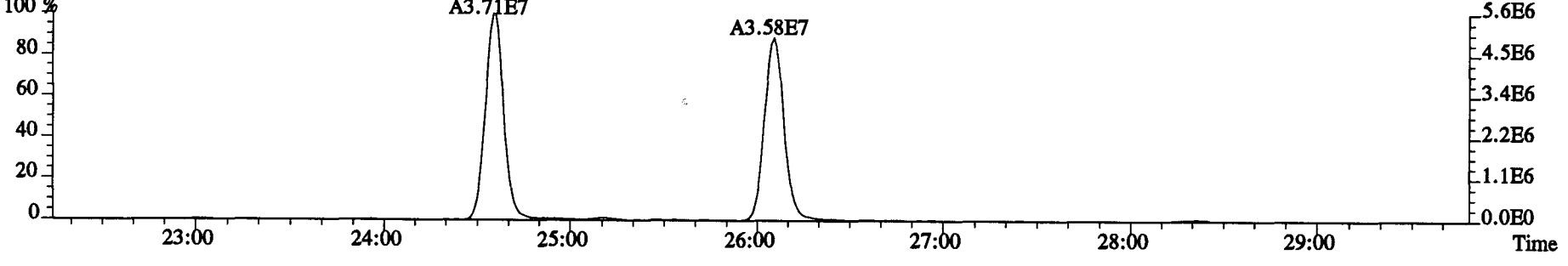
341.8567 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2872.0,1.00%,F,T)



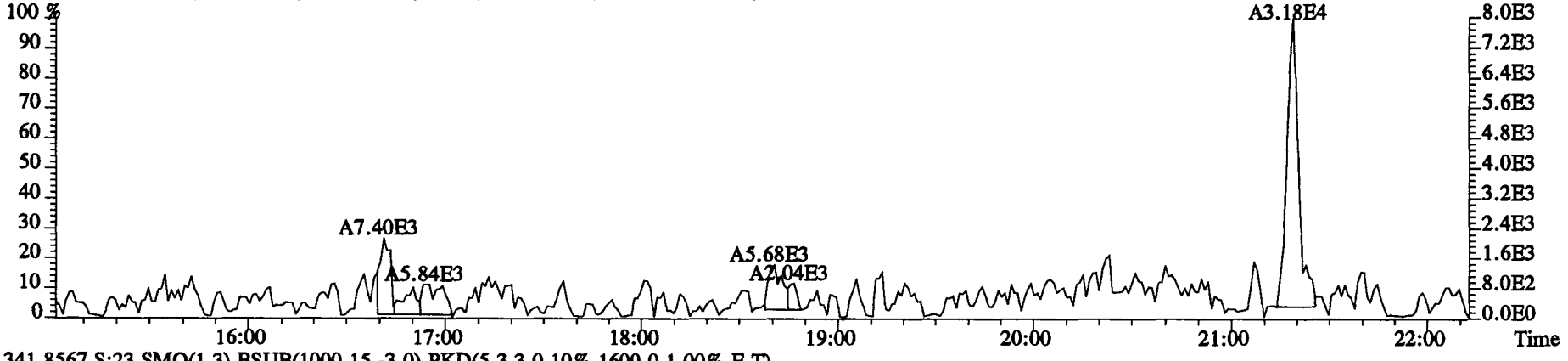
351.9000 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3776.0,1.00%,F,T)



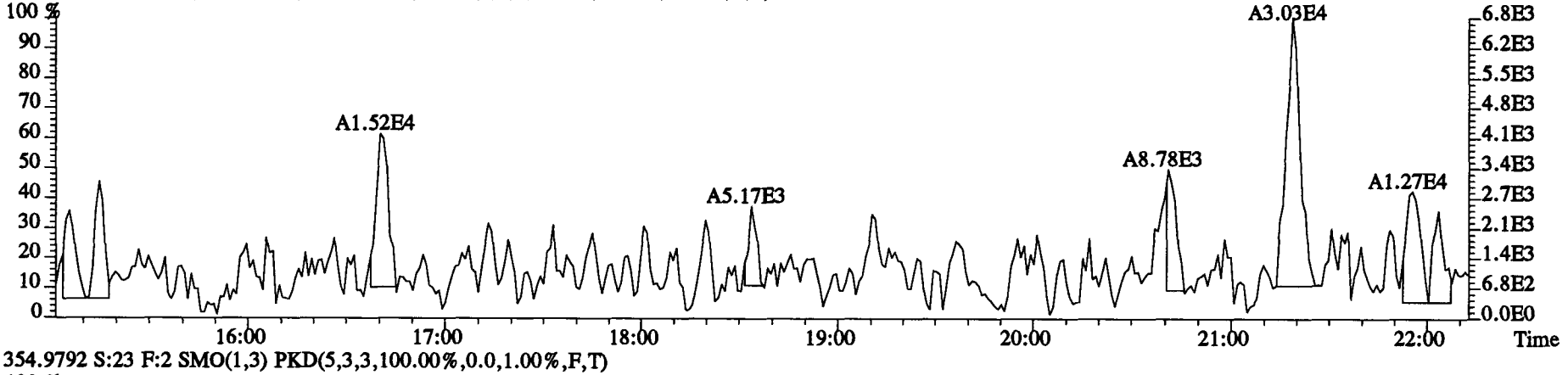
353.8970 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2236.0,1.00%,F,T)



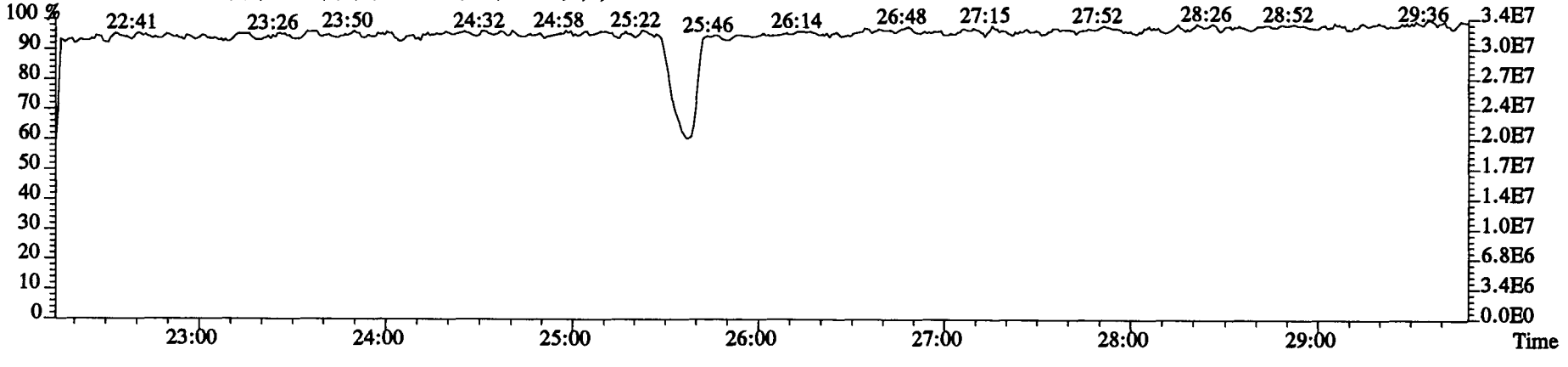
File:24AP104D5 #1-434 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A
339.8597 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)



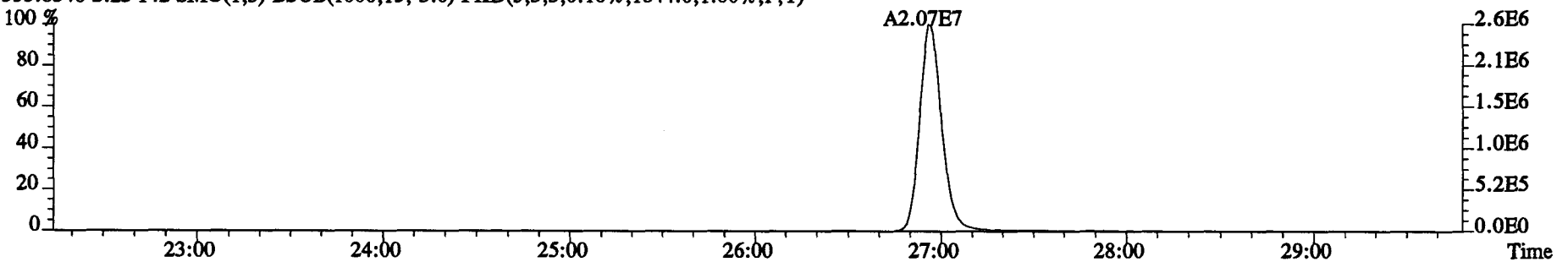
341.8567 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1600.0,1.00%,F,T)



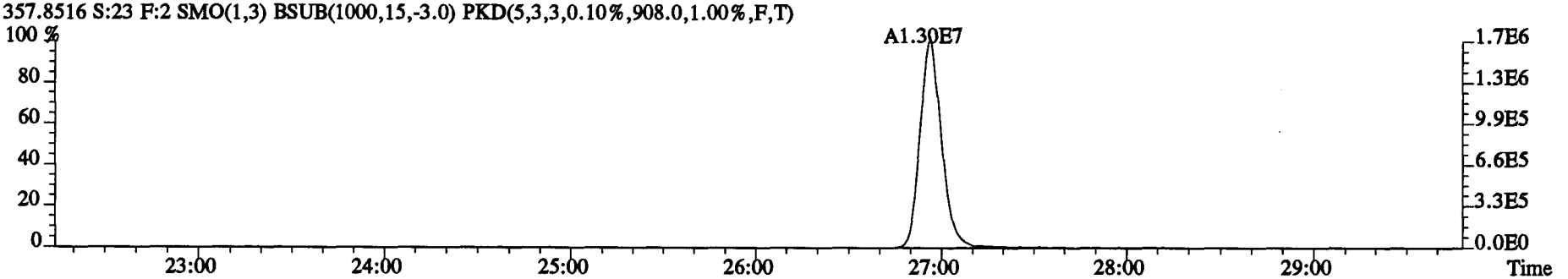
354.9792 S:23 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



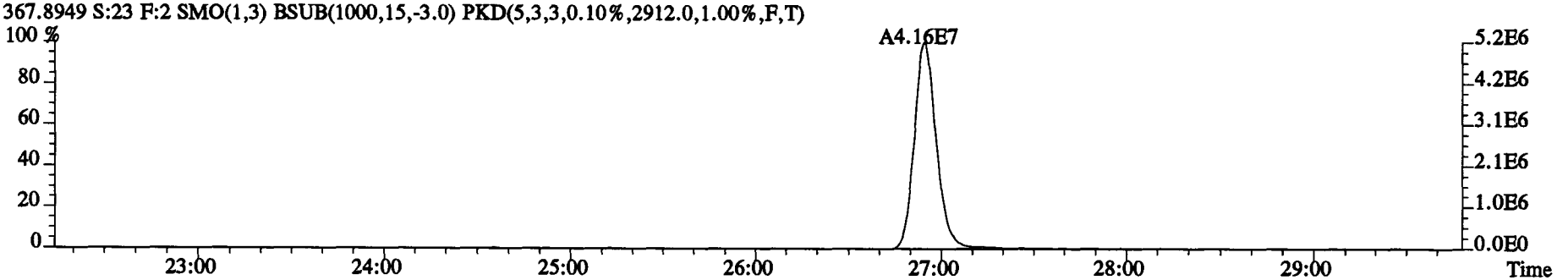
File:24AP104D5 #1-604 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A
355.8546 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1844.0,1.00%,F,T)



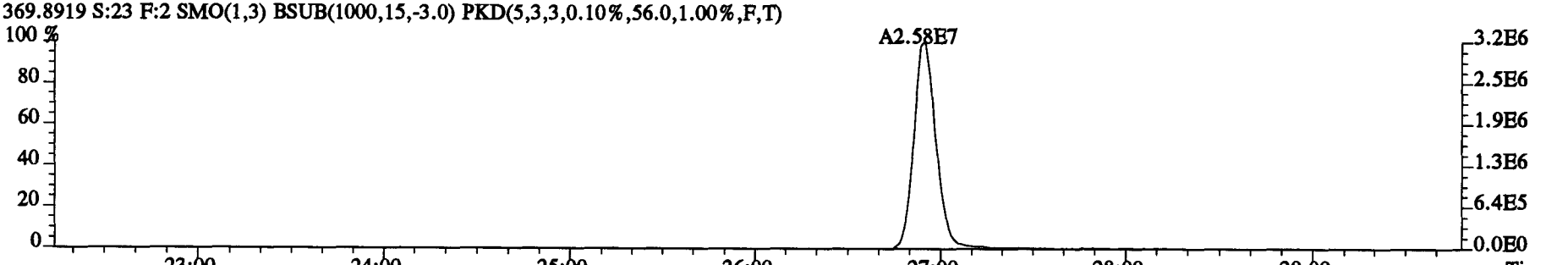
357.8516 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)



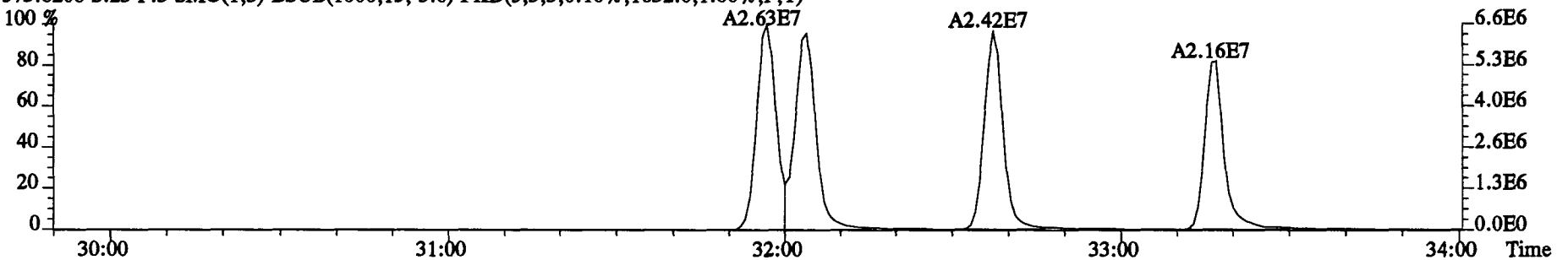
367.8949 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)

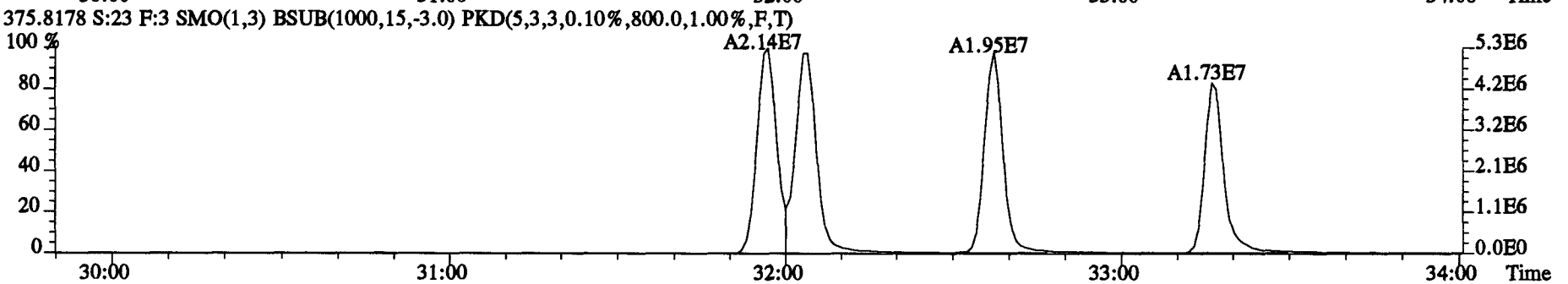


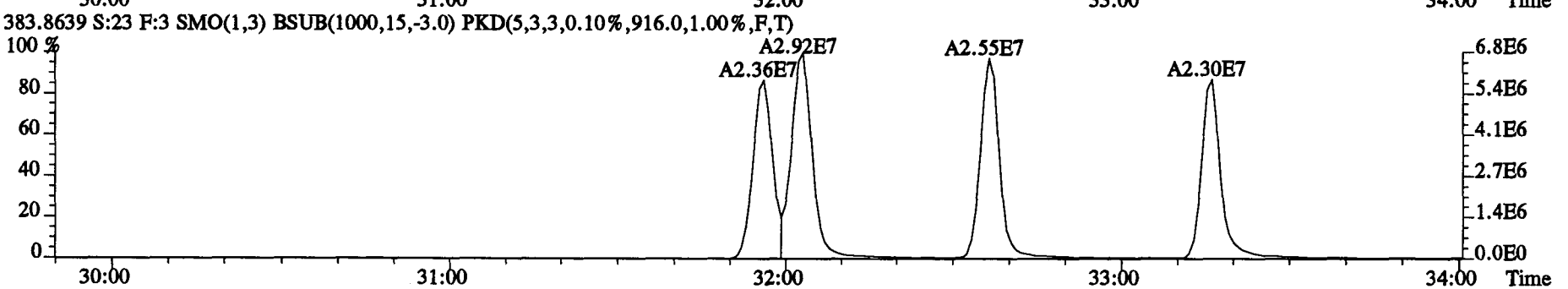
369.8919 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)

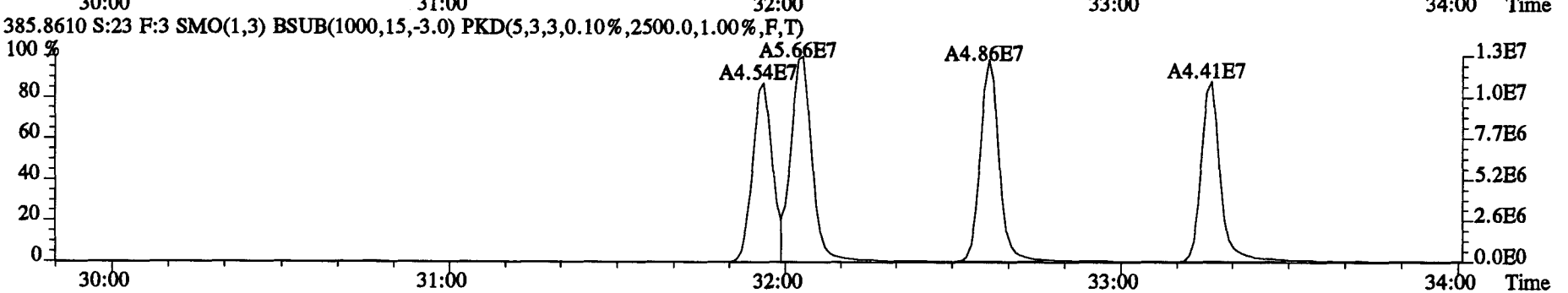


File:24AP104D5 #1-317 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A

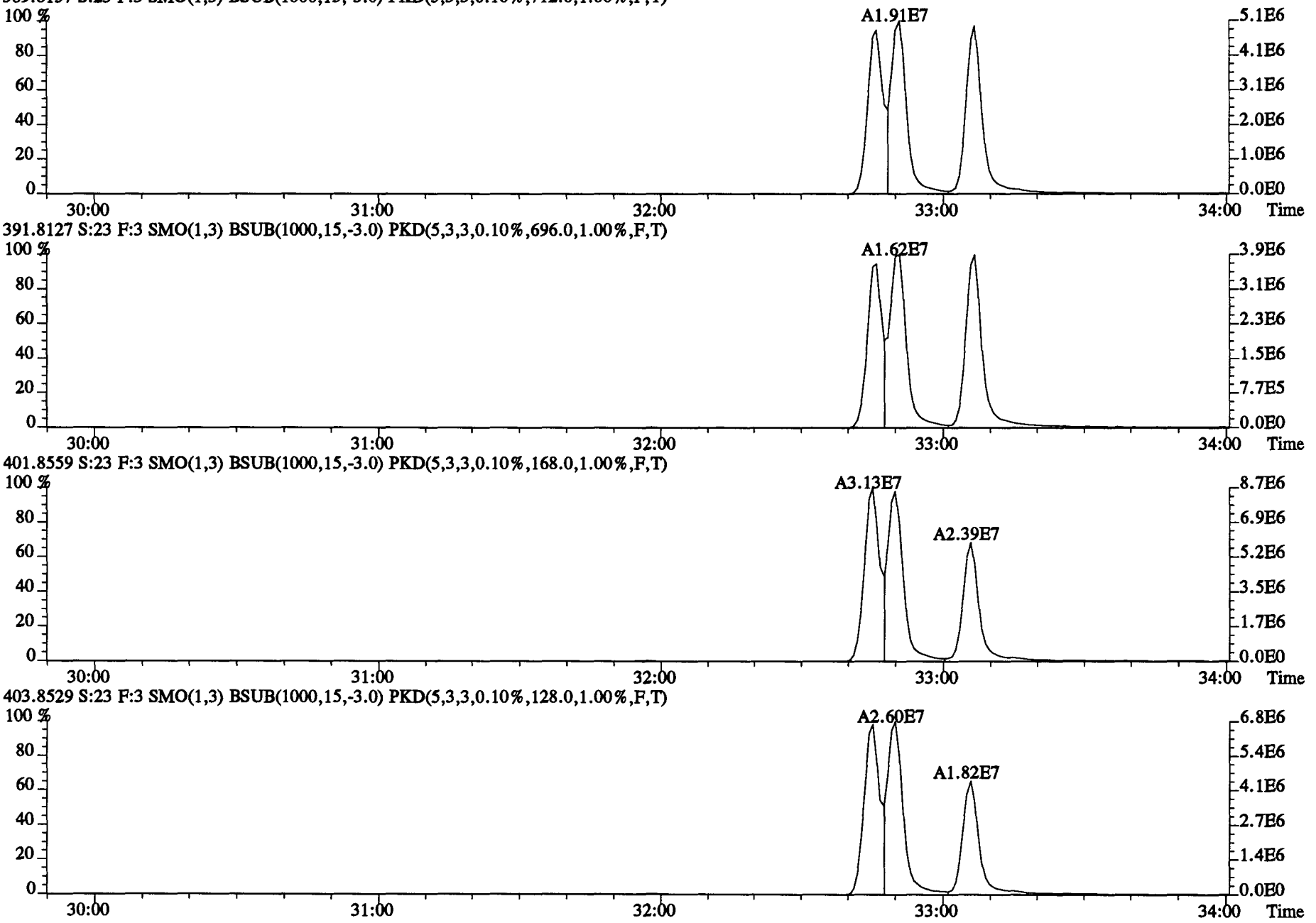




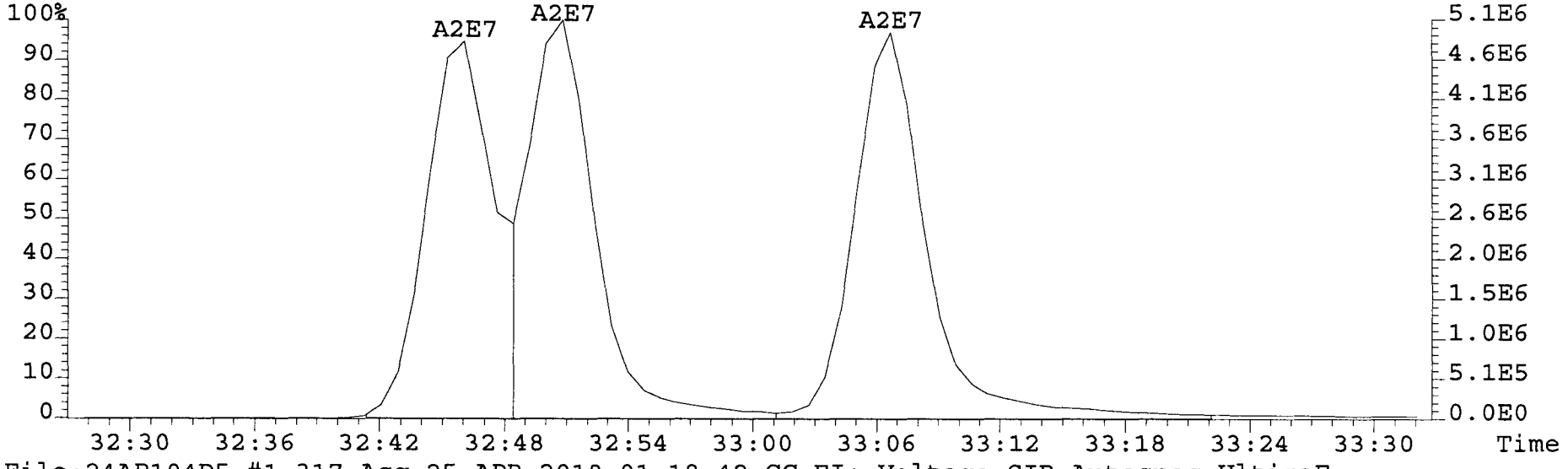




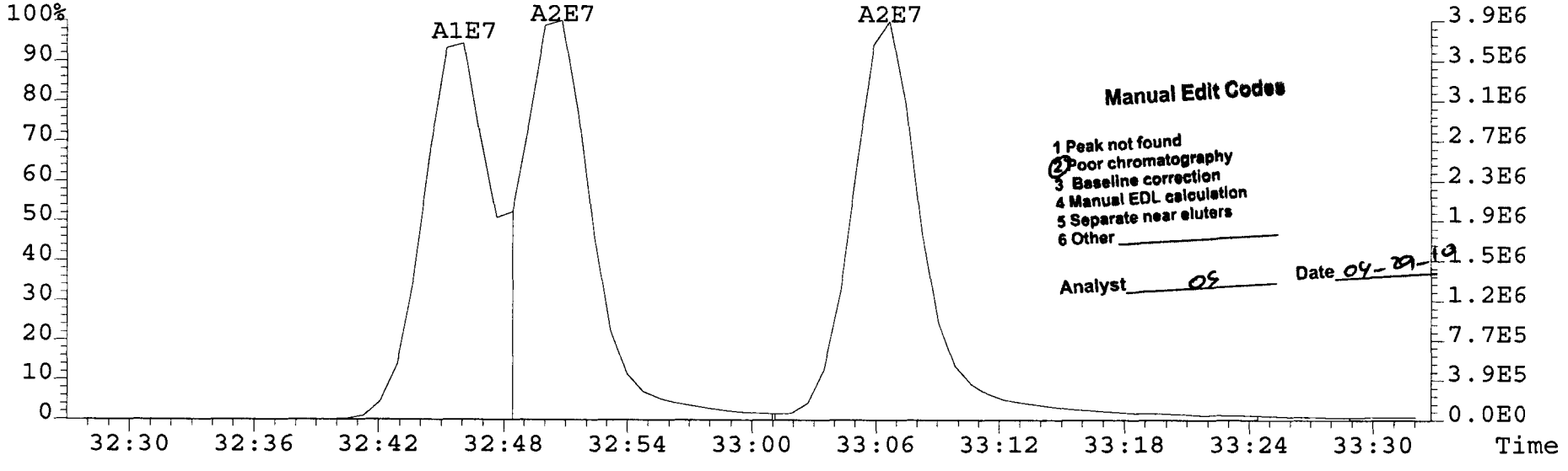
File:24AP104D5 #1-317 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A



File:24AP104D5 #1-317 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
389.8157 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T) Exp:DIOXINRES82>
Sample Text:LX62M-1-AC :G0D190000-260C



File:24AP104D5 #1-317 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
391.8127 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,696.0,1.00%,F,T) Exp:DIOXINRES82>
Sample Text:LX62M-1-AC :G0D190000-260C

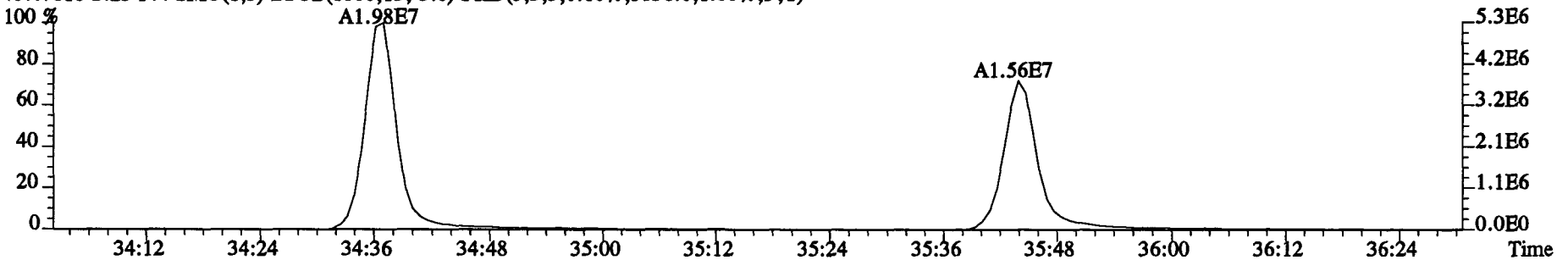


Manual Edit Codes

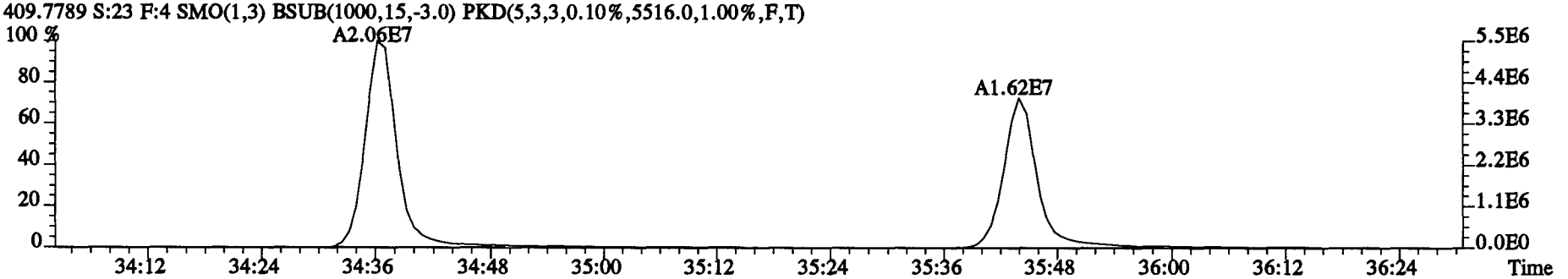
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst DS Date 04-29-10

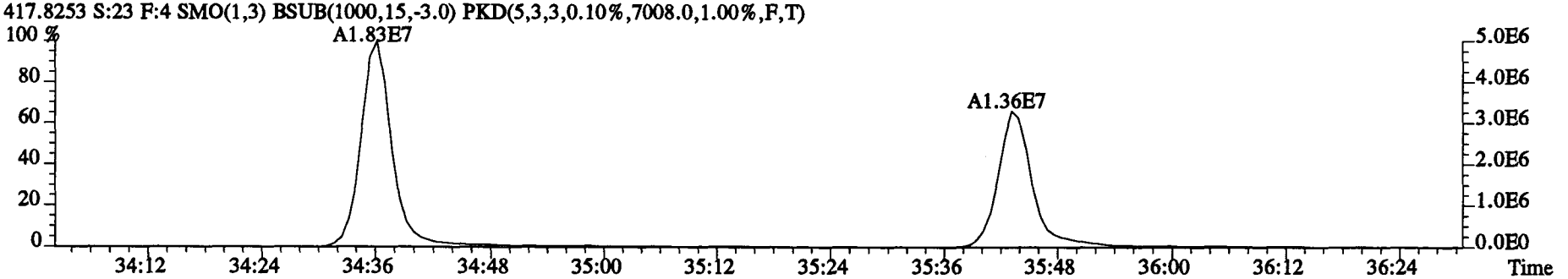
File:24AP104D5 #1-198 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A
407.7818 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5836.0,1.00%,F,T)



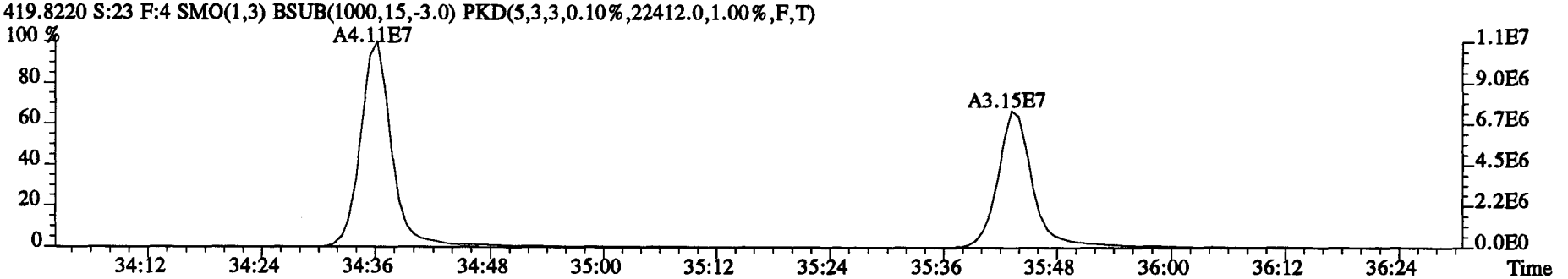
409.7789 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5516.0,1.00%,F,T)



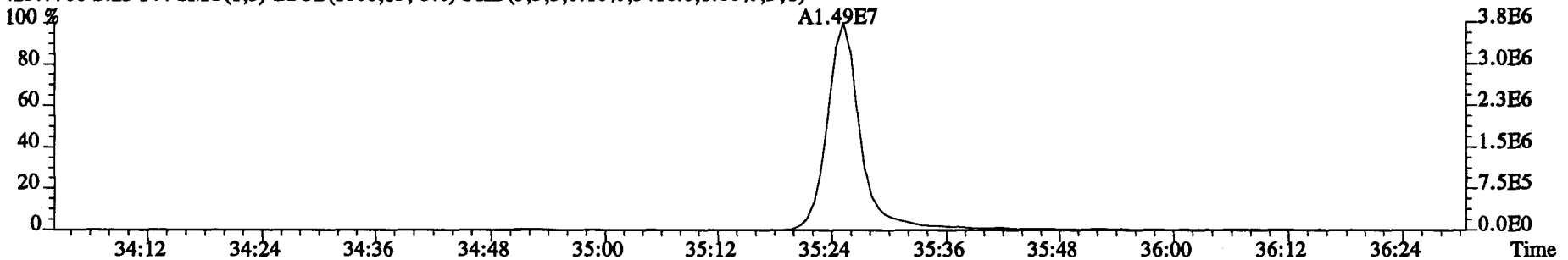
417.8253 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7008.0,1.00%,F,T)



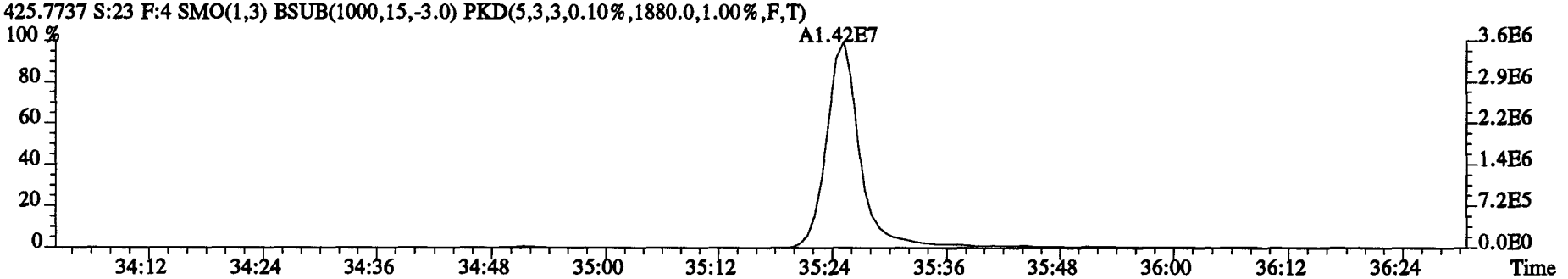
419.8220 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22412.0,1.00%,F,T)



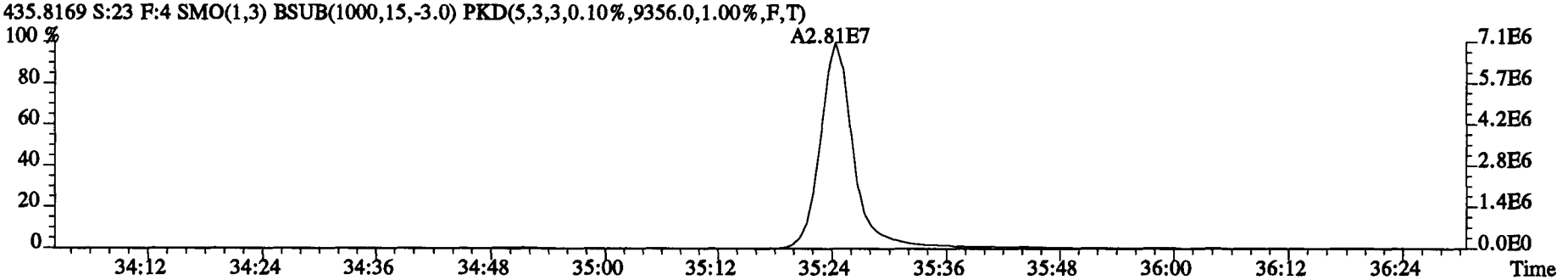
File:24AP104D5 #1-198 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A
423.7766 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)



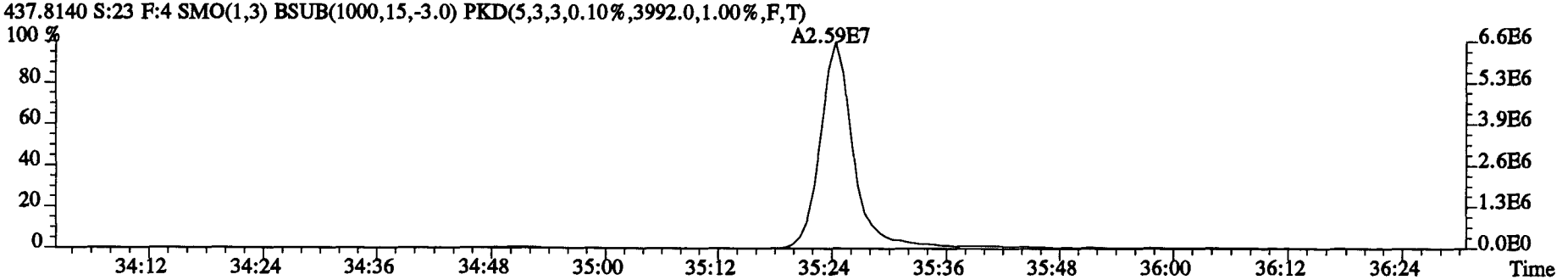
425.7737 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1880.0,1.00%,F,T)



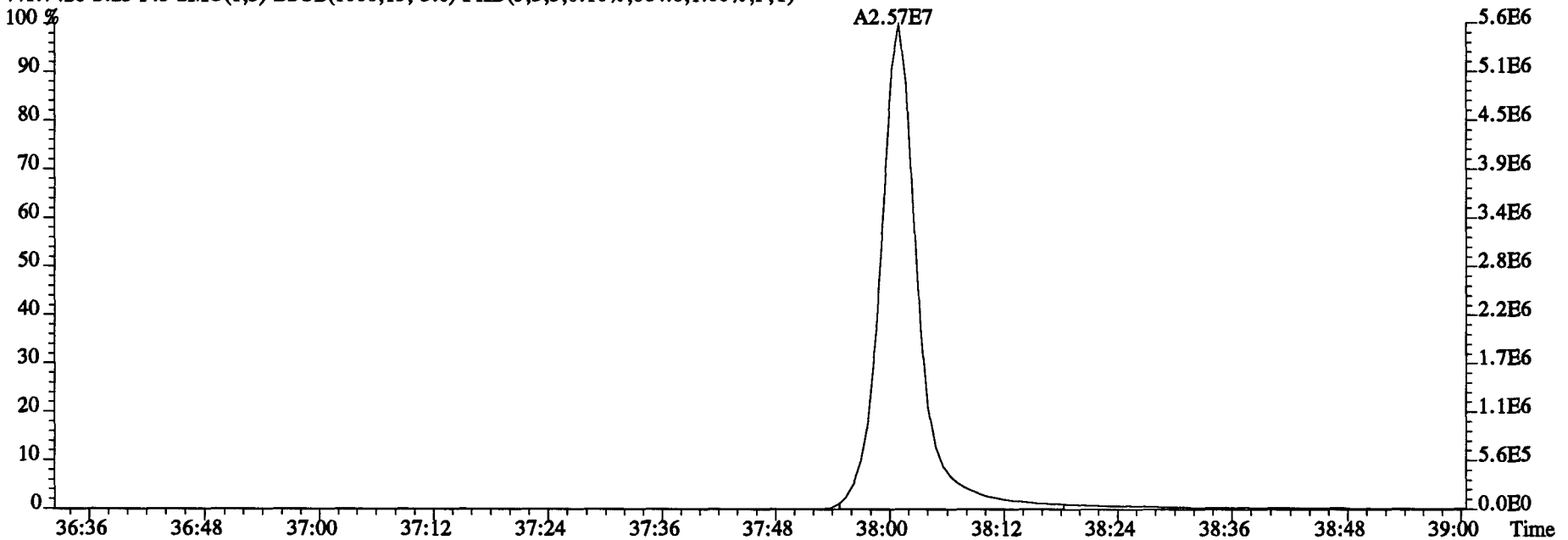
435.8169 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9356.0,1.00%,F,T)



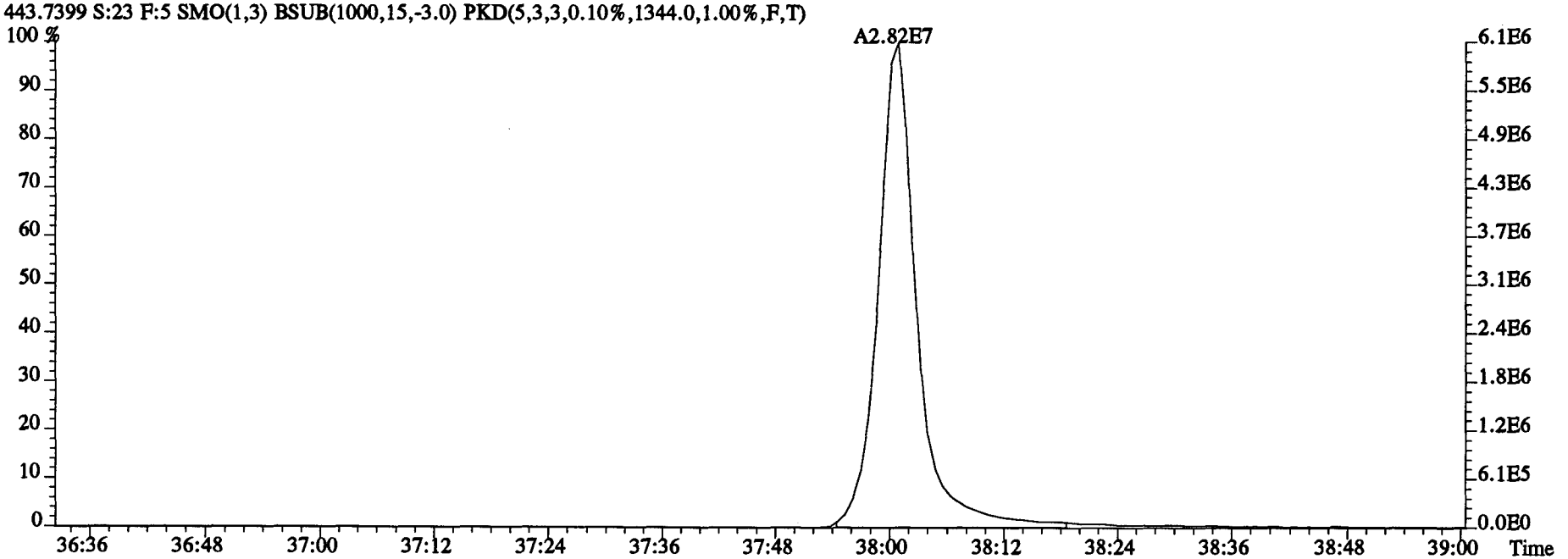
437.8140 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3992.0,1.00%,F,T)



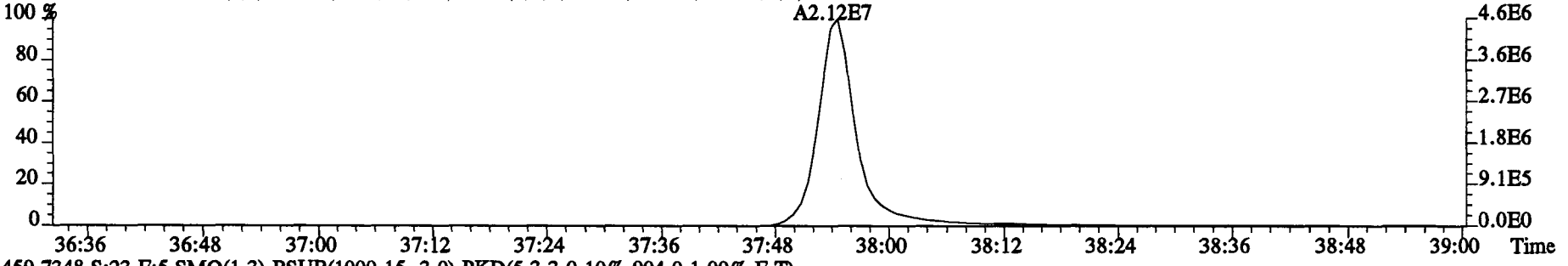
File:24AP104D5 #1-190 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A
441.7428 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



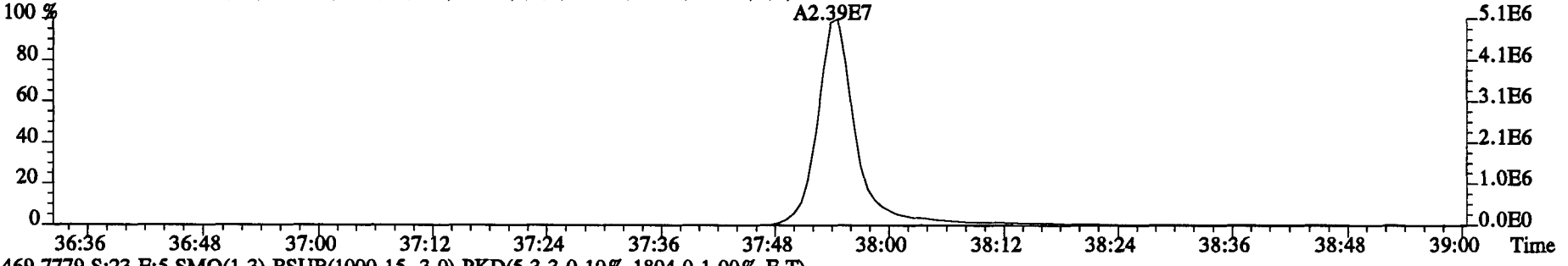
443.7399 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1344.0,1.00%,F,T)



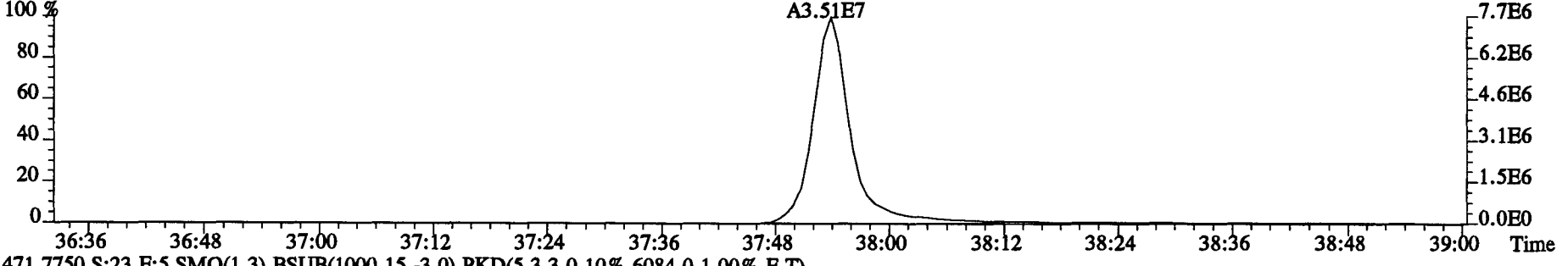
File:24AP104D5 #1-190 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A
457.7377 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1076.0,1.00%,F,T)



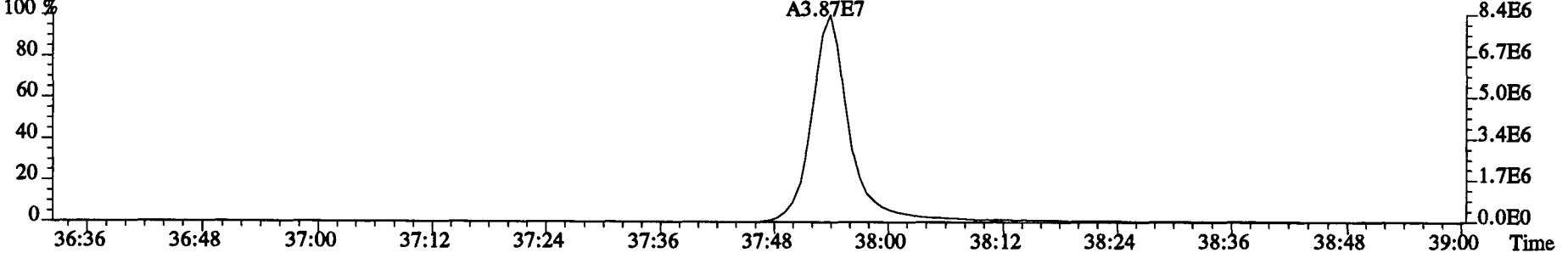
459.7348 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)



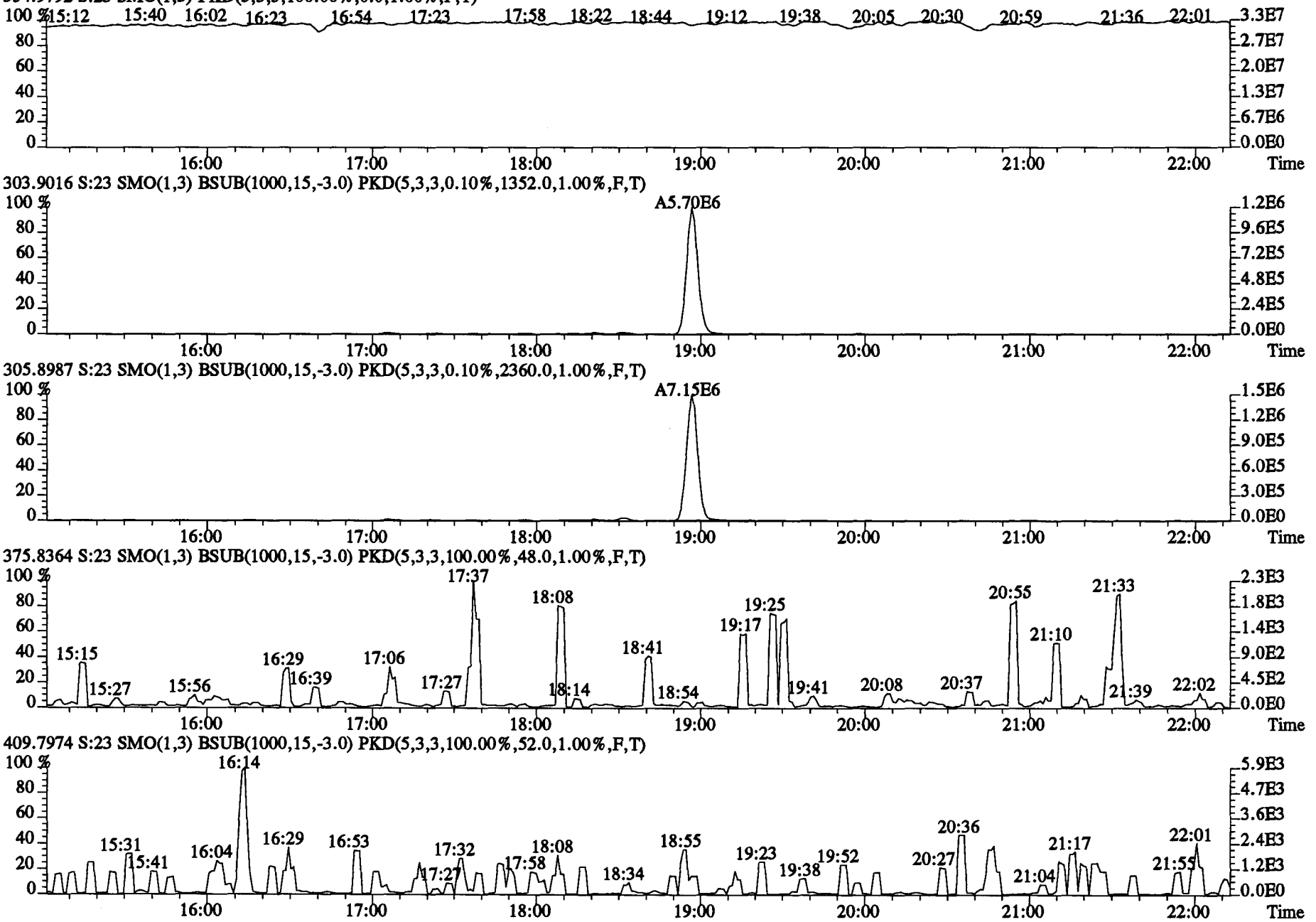
469.7779 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



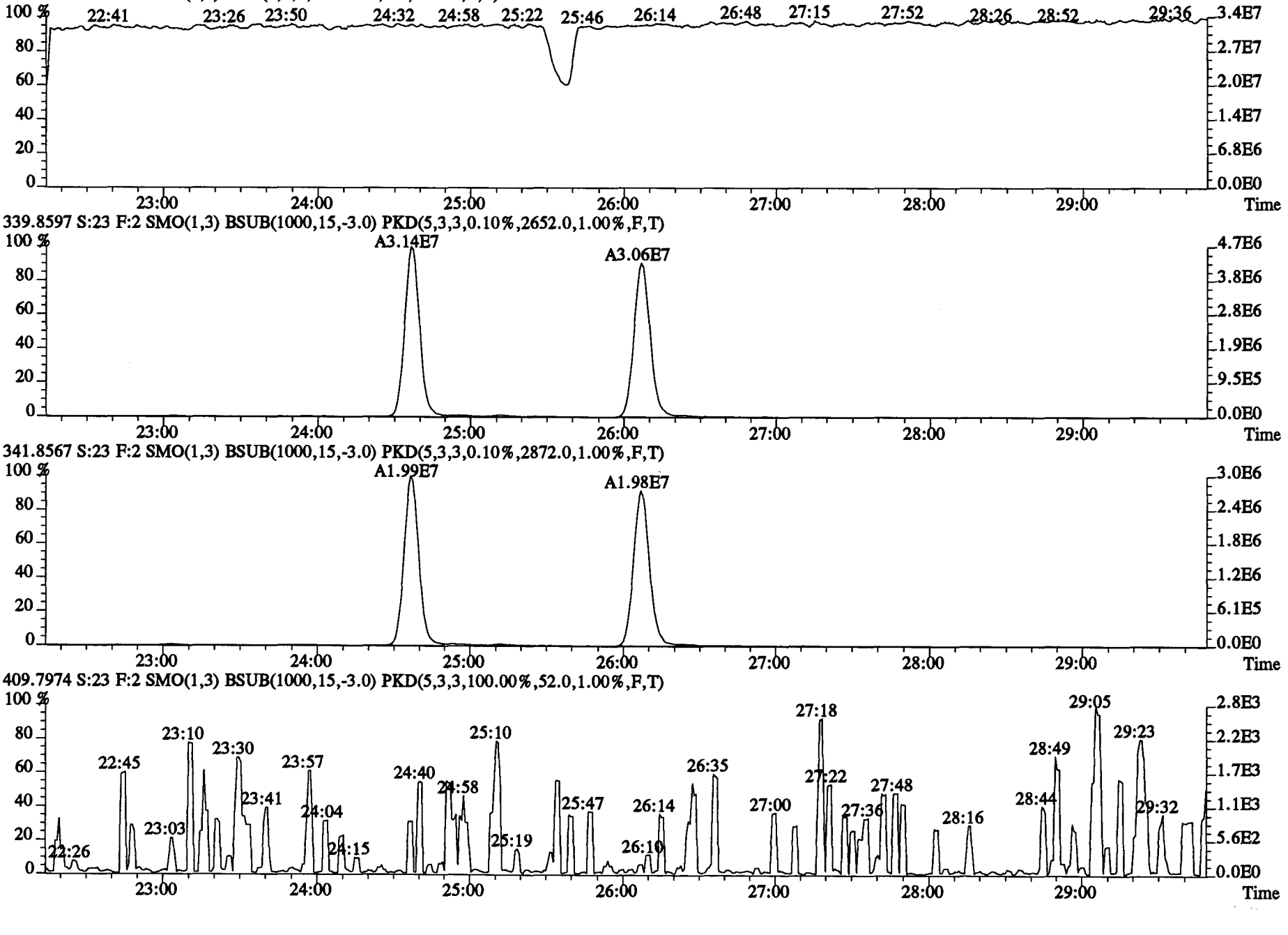
471.7750 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6084.0,1.00%,F,T)



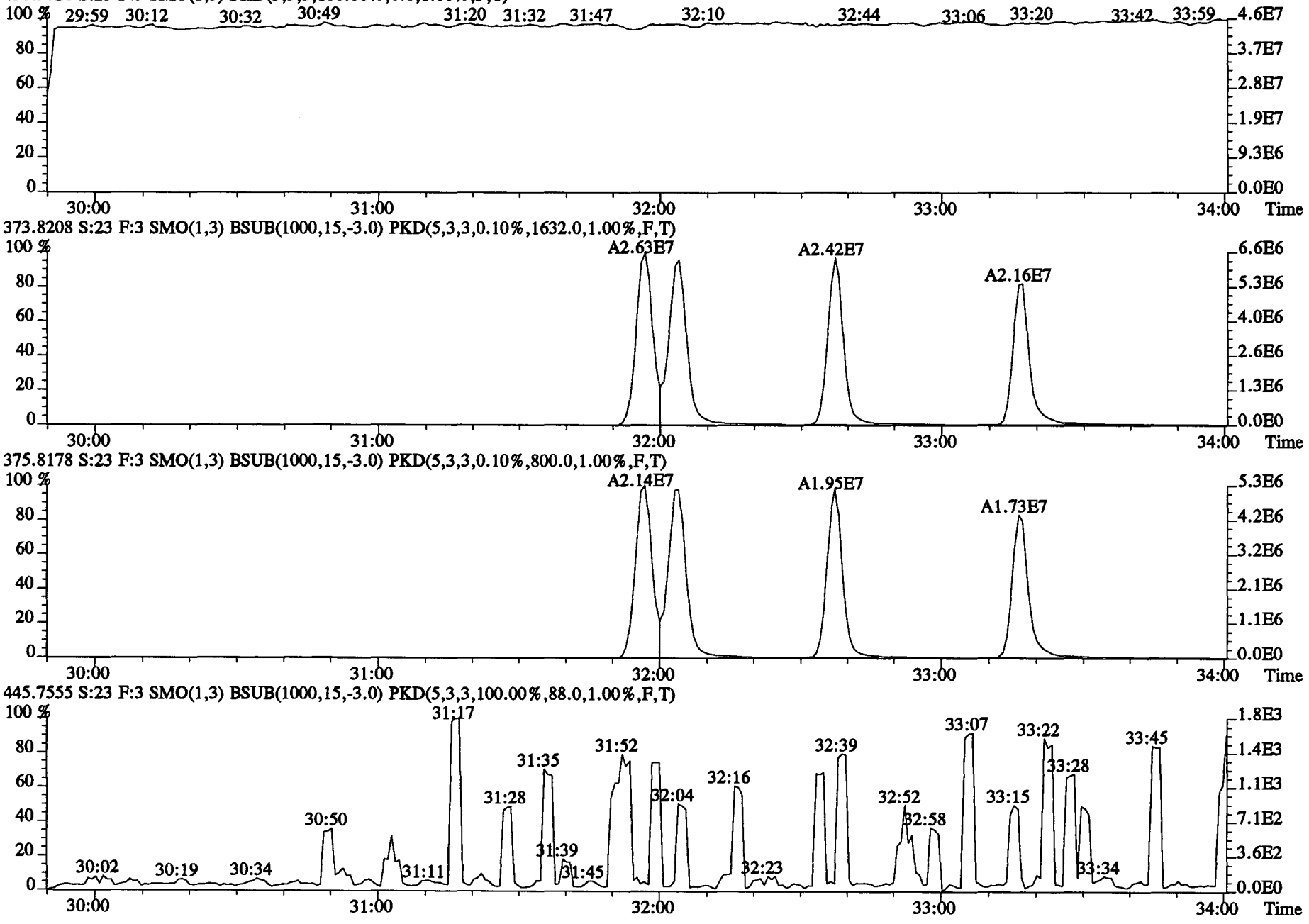
File:24AP104D5 #1-434 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A



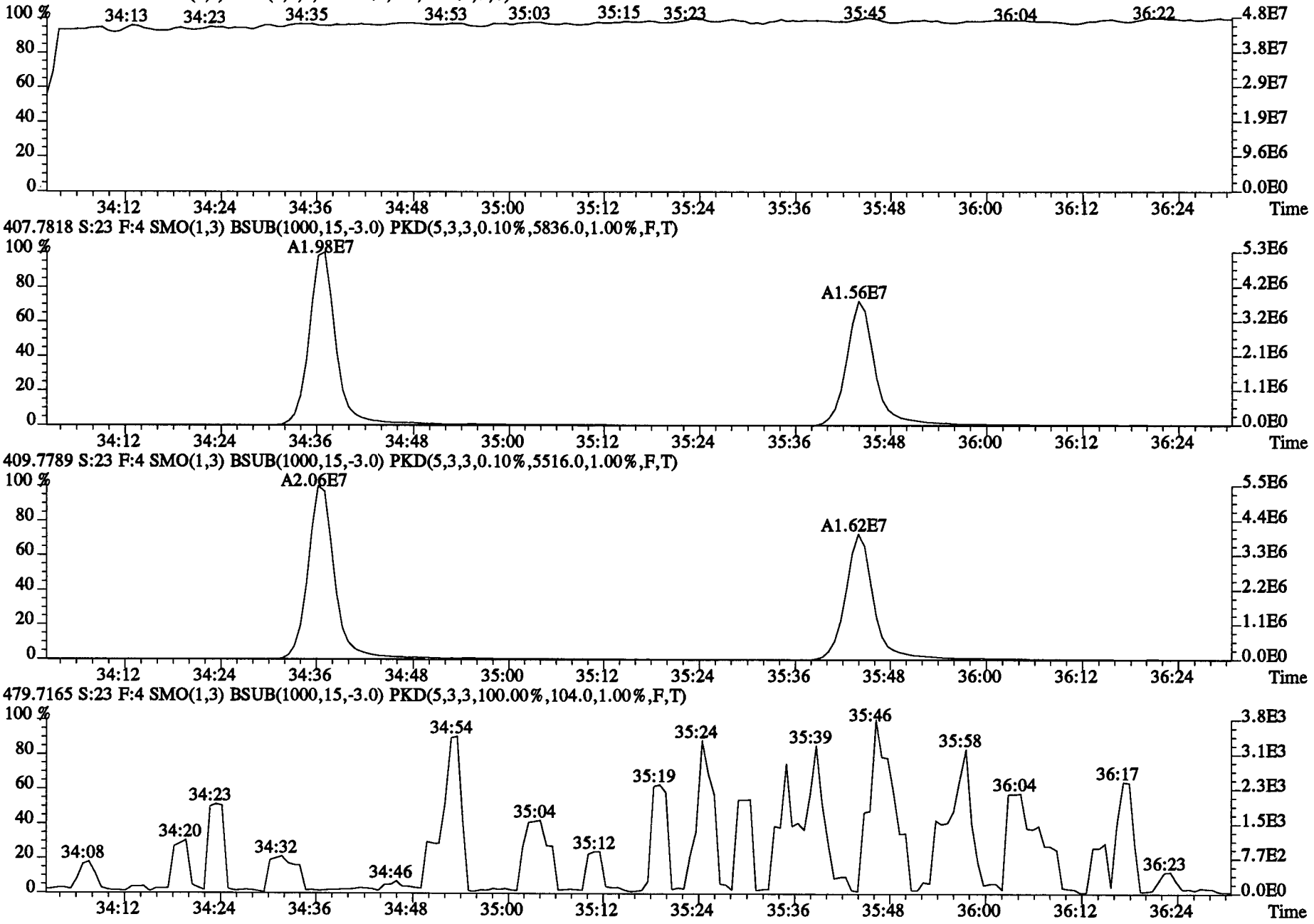
File:24AP104D5 #1-604 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A



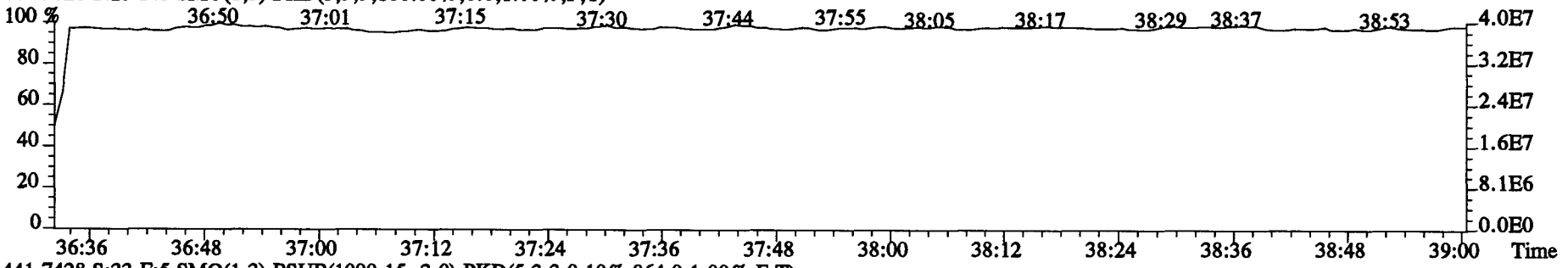
File:24AP104D5 #1-317 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A

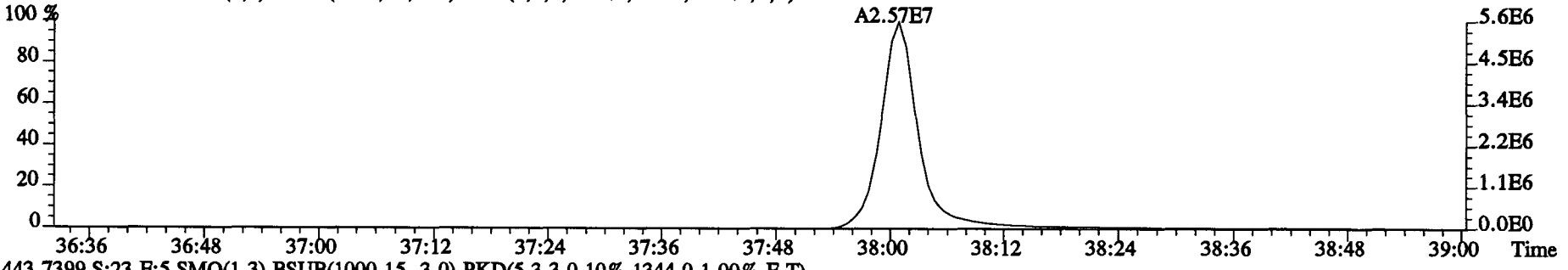


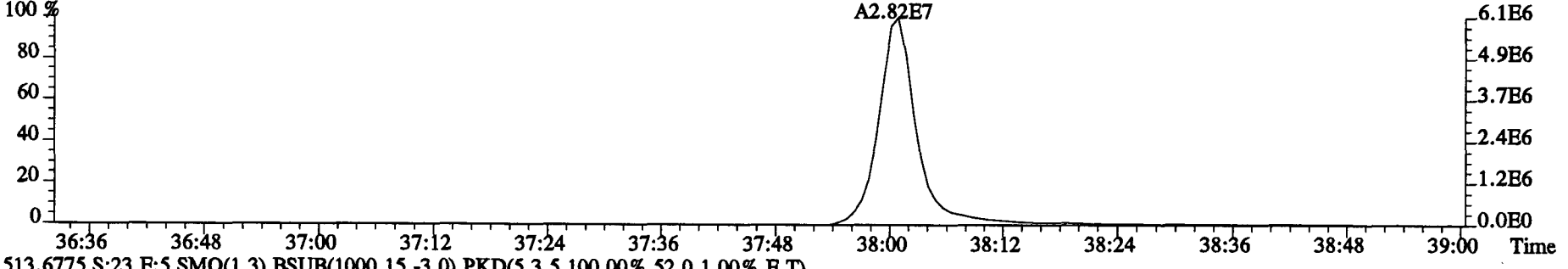
File:24AP104D5 #1-198 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A

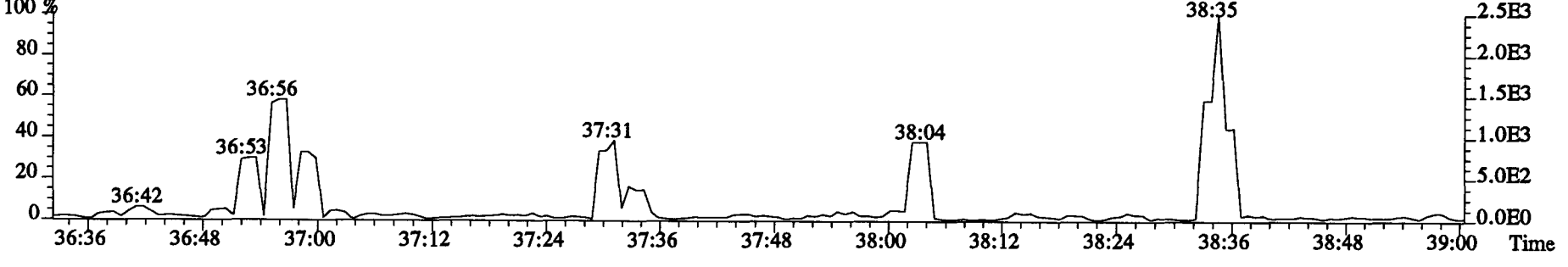


File:24AP104D5 #1-190 Acq:25-APR-2010 01:18:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:LX62M-1-AC :G0D190000-260C Exp:DIOXINRES8290A









Run text: LXXQX-1-AD Sample text: LXXQX-1-AD :G0D140435-1
Run #18 Filename: 27AP104D5 S: 15 I: 1 Results: 27AP104D58290AOS
Acquired: 27-APR-10 22:09:47 Processed: 28-APR-10 10:32:04
Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.58 g

OS 04-29-10

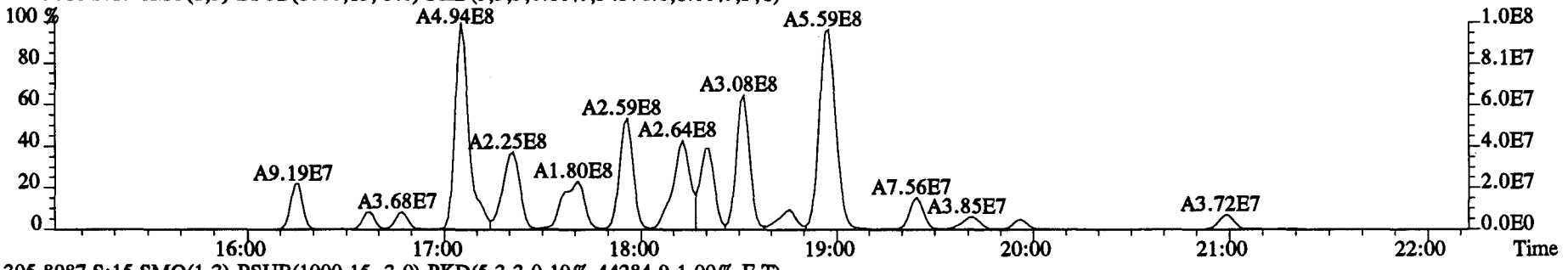
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	81035700	0.81	y	19:30	-	5.757		-	-	n
13C-2,3,7,8-TCDF	157670100	0.79	y	18:56	1.52	120.930		0.212	64.0	n
2,3,7,8-TCDF	1264574000	0.79	y	18:58	0.95	~~1603.843~~		1.440	-	n
Total TCDF	6567104110	0.79	y	16:15	0.95	~~8328.976~~		~~1.440~~	-	n
13C-2,3,7,8-TCDD	108520900	0.80	y	19:42	0.95	133.282		0.262	70.5	n
2,3,7,8-TCDD	16522500	0.78	y	19:43	1.02	28.189		0.411	-	n
Total TCDD	455760701	0.78	y	17:14	1.02	~~777.560~~		~~0.411~~	-	n
37Cl-2,3,7,8-TCDD	126780600	1.00	y	19:43	2.26	65.393		0.393	86.5	n
13C-1,2,3,7,8-PeCDF	118402500	1.59	y	24:34	1.05	131.485		0.424	69.6	n
1,2,3,7,8-PeCDF	857019000	1.55	y	24:35	1.04	1309.660 E		15.168 G	-	n
2,3,4,7,8-PeCDF	439933000	1.55	y	26:05	0.98	715.142		16.135 G	-	n
Total F2 PeCDF	5371261280	1.75	y	22:26	1.01	~~8443.303~~		~~15.637~~	-	n
Total F1 PeCDF	355086335	0.26	n	18:43	1.01	~~559.389~~		~~0.225~~	-	n
13C-1,2,3,7,8-PeCDD	78538400	1.55	y	26:53	0.67	136.629		0.196	72.3	n
1,2,3,7,8-PeCDD	38584700	1.55	y	26:55	0.98	94.580		1.380	-	n
Total PeCDD	324555340	1.55	y	23:15	0.98	~~795.561~~		~~1.380~~	-	n
13C-1,2,3,7,8,9-HxCDD	59724000	1.28	y	33:05	-	5.494		-	-	n
13C-1,2,3,4,7,8-HxCDF	62741500	0.50	y	31:55	1.02	96.885		0.881	51.3	n
1,2,3,4,7,8-HxCDF	1189102000	1.27	y	31:56	1.21	2954.502 E		27.432 G	-	y
1,2,3,6,7,8-HxCDF	928725000	1.15	y	32:03	1.34	2083.862 E		24.773 G	-	y
2,3,4,6,7,8-HxCDF	208586500	1.24	y	32:37	1.22	514.170		27.215 G	-	y
1,2,3,7,8,9-HxCDF	152989800	1.19	y	33:16	1.09	421.934		30.449 G	-	n
Total HxCDF	4818508600	1.20	y	30:33	1.22	~~11762.852~~		~~27.321~~	-	y
13C-1,2,3,6,7,8-HxCDD	59550200	1.29	y	32:49	0.81	116.772		0.279	61.8	n
1,2,3,4,7,8-HxCDD	19547320	1.22	y	32:45	1.01	61.635		1.061	-	n
1,2,3,6,7,8-HxCDD	47307600	1.26	y	32:50	1.11	134.816		0.959	-	n
1,2,3,7,8,9-HxCDD	42878300	1.28	y	33:06	1.21	112.580		0.884	-	n
Total HxCDD	282976600	1.25	y	31:23	1.11	~~804.520~~		~~0.963~~	-	n
13C-1,2,3,4,6,7,8-HpCDF	42166600	0.45	y	34:36	0.86	77.362		0.968	40.9	n
1,2,3,4,6,7,8-HpCDF	1929158000	0.97	y	34:36	1.31	6603.569 E		10.264 G	-	n
1,2,3,4,7,8,9-HpCDF	795671000	0.97	y	35:44	1.03	3477.897 E		13.107 G	-	n
Total HpCDF	3841797532	0.97	y	34:36	1.17	~~14369.928~~		~~11.513~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	33523900	1.05	y	35:24	0.70	76.064		0.856	40.2	n
1,2,3,4,6,7,8-HpCDD	88899400	1.03	y	35:25	1.07	467.685		1.300	-	n
Total HpCDD	126983700	1.04	y	34:51	1.07	~~668.040~~		~~1.300~~	-	n
13C-OCDD	26577400	0.95	y	37:54	0.53	79.153		1.289	20.9	n
OCDF	2380090000	0.89	y	38:02	1.45	23425.071 E		0.493		n

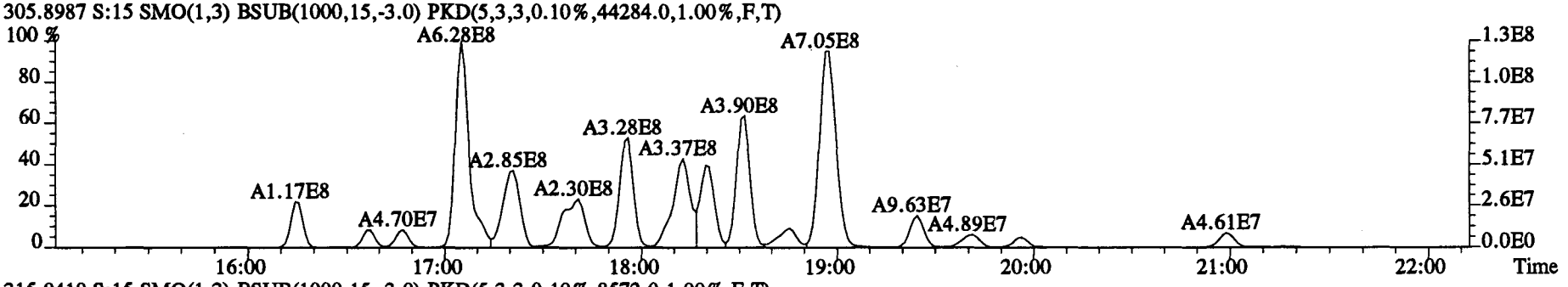
OCDD	44127000	0.90	y	37:55	1.17	538.238 /	1.801	-	n

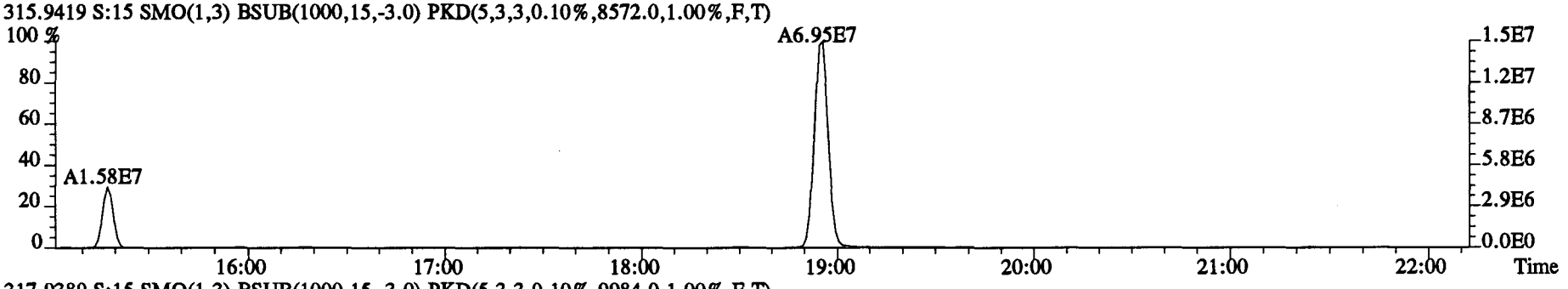
Run text: LXXQX-1-AD Sample text: LXXQX-1-AD :G0D140435-1
Run #18 Filename: 27AP104D5 S: 15 I: 1 Results: 27AP104D58290A
Acquired: 27-APR-10 22:09:47 Processed: 28-APR-10 10:32:04
Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.58 g

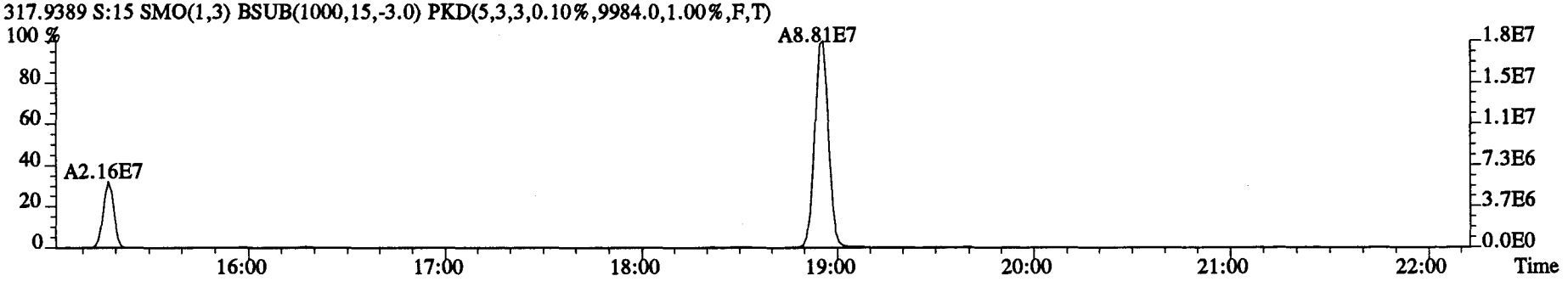
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	81035700	0.81	y	19:30	-	5.7572	-	-	n
13C-2,3,7,8-TCDF	157670100	0.79	y	18:56	1.52	120.9297	0.2124	64.0	n
2,3,7,8-TCDF	1264574000	0.79	y	18:58	0.95	1603.8433	1.4400	-	n
Total TCDF	6567104110	0.79	y	16:15	0.95	8328.9758	1.4400	-	n
13C-2,3,7,8-TCDD	108520900	0.80	y	19:42	0.95	133.2817	0.2616	70.5	n
2,3,7,8-TCDD	16522500	0.78	y	19:43	1.02	28.1886	0.4112	-	n
Total TCDD	455760701	0.78	y	17:14	1.02	777.5604	0.4112	-	n
37Cl-2,3,7,8-TCDD	126780600	1.00	y	19:43	2.26	65.3932	0.3932	86.5	n
13C-1,2,3,7,8-PeCDF	118402500	1.59	y	24:34	1.05	131.4847	0.4240	69.6	n
1,2,3,7,8-PeCDF	857019000	1.55	y	24:35	1.04	1309.6598	15.1685	-	n
2,3,4,7,8-PeCDF	439933000	1.55	y	26:05	0.98	715.1419	16.1354	-	n
Total F2 PeCDF	5371261280	1.75	y	22:26	1.01	8443.3026	15.6370	-	n
Total F1 PeCDF	355086335	0.26	n	18:43	1.01	559.3885	0.2249	-	n
13C-1,2,3,7,8-PeCDD	78538400	1.55	y	26:53	0.67	136.6287	0.1962	72.3	n
1,2,3,7,8-PeCDD	38584700	1.55	y	26:55	0.98	94.5801	1.3798	-	n
Total PeCDD	324555340	1.55	y	23:15	0.98	795.5606	1.3798	-	n
13C-1,2,3,7,8,9-HxCDD	59724000	1.28	y	33:05	-	5.4935	-	-	n
13C-1,2,3,4,7,8-HxCDF	62741500	0.50	y	31:55	1.02	96.8846	0.8805	51.3	n
1,2,3,4,7,8-HxCDF	1321845000	1.25	y	31:56	1.21	3284.3222	27.4319	-	n
1,2,3,6,7,8-HxCDF	918279000	1.15	y	32:03	1.34	2060.4237	24.7726	-	n
2,3,4,6,7,8-HxCDF	482227000	1.20	y	32:33	1.22	1188.7004	27.2152	-	n
1,2,3,7,8,9-HxCDF	152989800	1.19	y	33:16	1.09	421.9339	30.4489	-	n
Total HxCDF	5550750800	1.20	y	30:33	1.22	13575.9875	27.3211	-	n
13C-1,2,3,6,7,8-HxCDD	59550200	1.29	y	32:49	0.81	116.7720	0.2795	61.8	n
1,2,3,4,7,8-HxCDD	19547320	1.22	y	32:45	1.01	61.6346	1.0615	-	n
1,2,3,6,7,8-HxCDD	47307600	1.26	y	32:50	1.11	134.8158	0.9594	-	n
1,2,3,7,8,9-HxCDD	42878300	1.28	y	33:06	1.21	112.5802	0.8839	-	n
Total HxCDD	282976600	1.25	y	31:23	1.11	804.5202	0.9628	-	n
13C-1,2,3,4,6,7,8-HpCDF	42166600	0.45	y	34:36	0.86	77.3623	0.9680	40.9	n
1,2,3,4,6,7,8-HpCDF	1929158000	0.97	y	34:36	1.31	6603.5690	10.2644	-	n
1,2,3,4,7,8,9-HpCDF	795671000	0.97	y	35:44	1.03	3477.8973	13.1070	-	n
Total HpCDF	3841797532	0.97	y	34:36	1.17	14369.9282	11.5128	-	n
13C-1,2,3,4,6,7,8-HpCDD	33523900	1.05	y	35:24	0.70	76.0640	0.8565	40.2	n
1,2,3,4,6,7,8-HpCDD	88899400	1.03	y	35:25	1.07	467.6847	1.2998	-	n
Total HpCDD	126983700	1.04	y	34:51	1.07	668.0397	1.2998	-	n
13C-OCDD	26577400	0.95	y	37:54	0.53	79.1530	1.2889	20.9	n
OCDF	2380090000	0.89	y	38:02	1.45	23425.0712	0.4926	-	n
OCDD	44127000	0.90	y	37:55	1.17	538.2381	1.8012	-	n

File:27AP104D5 #1-434 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

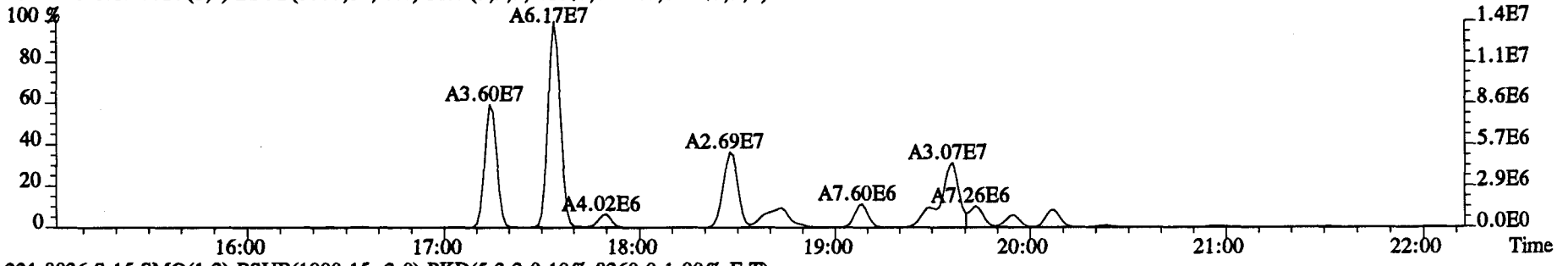


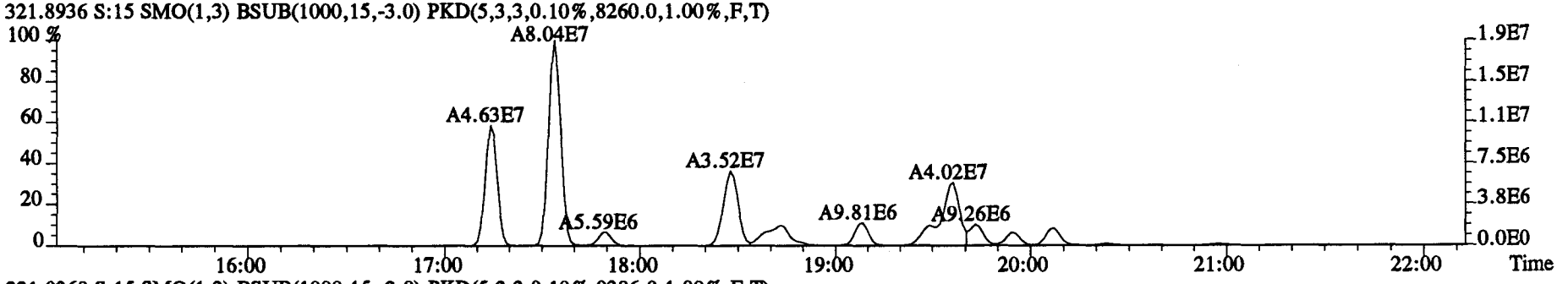


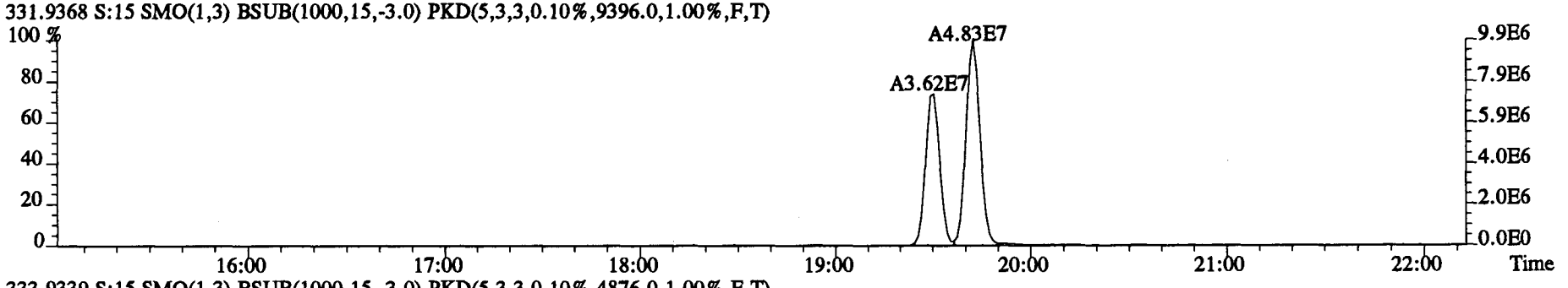


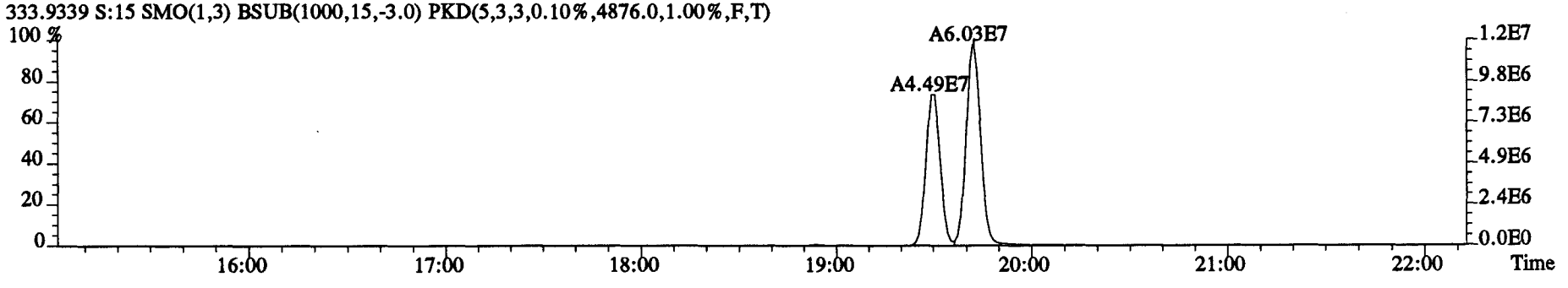


File:27AP104D5 #1-434 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

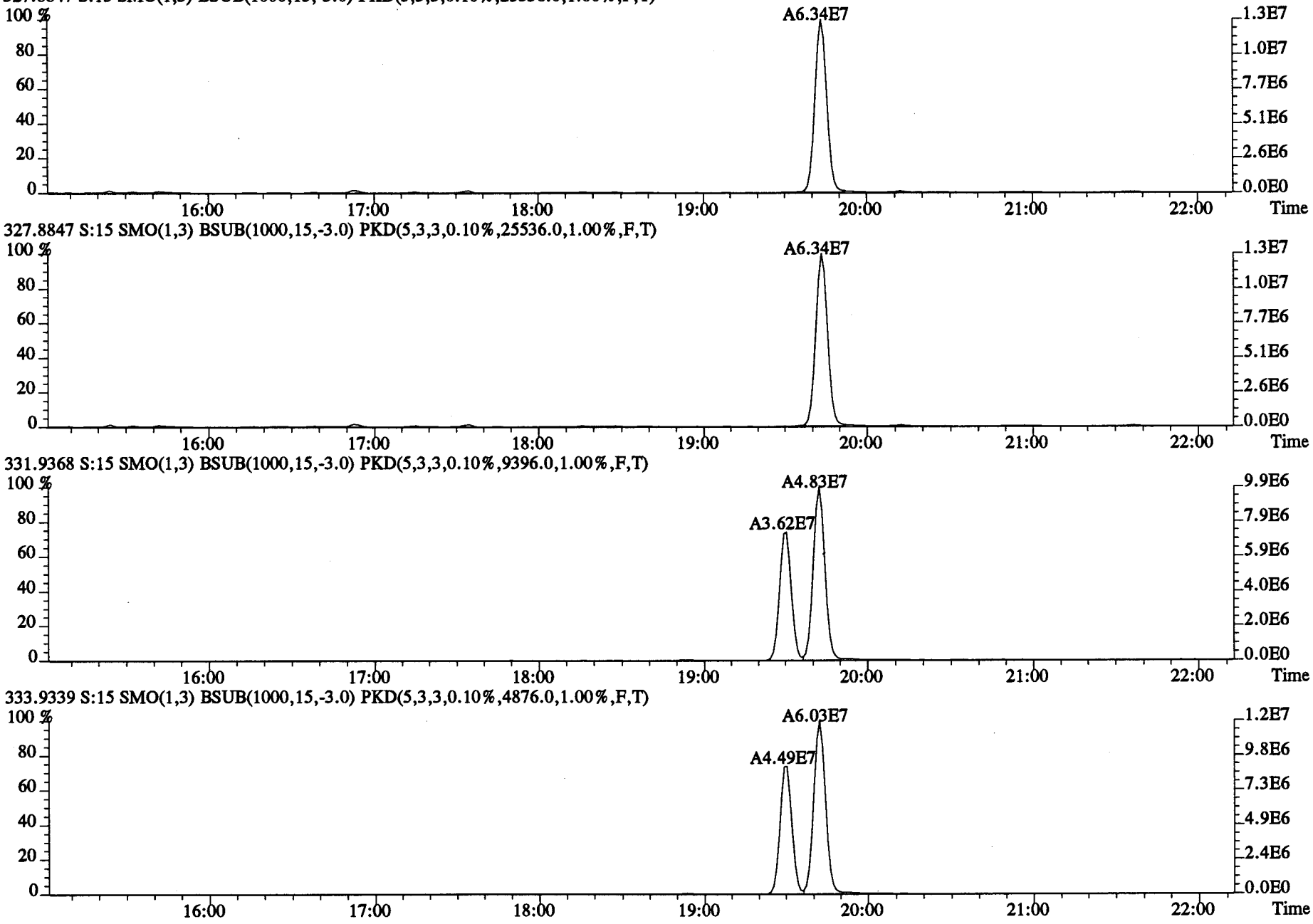




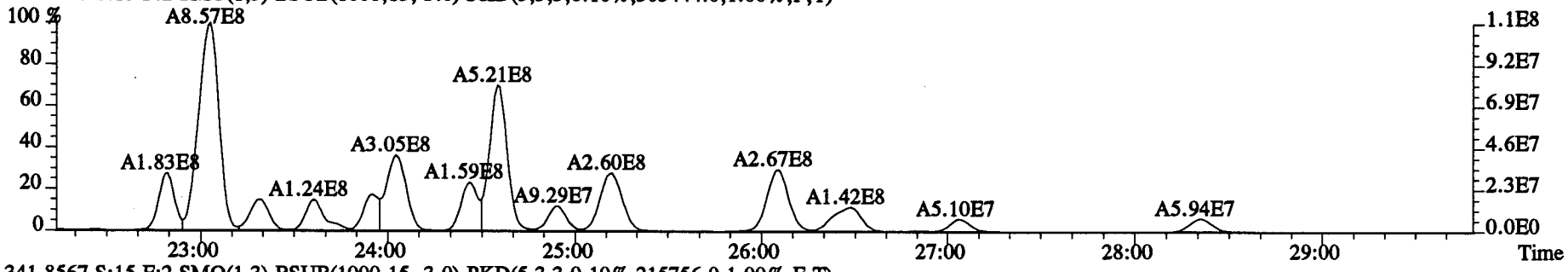


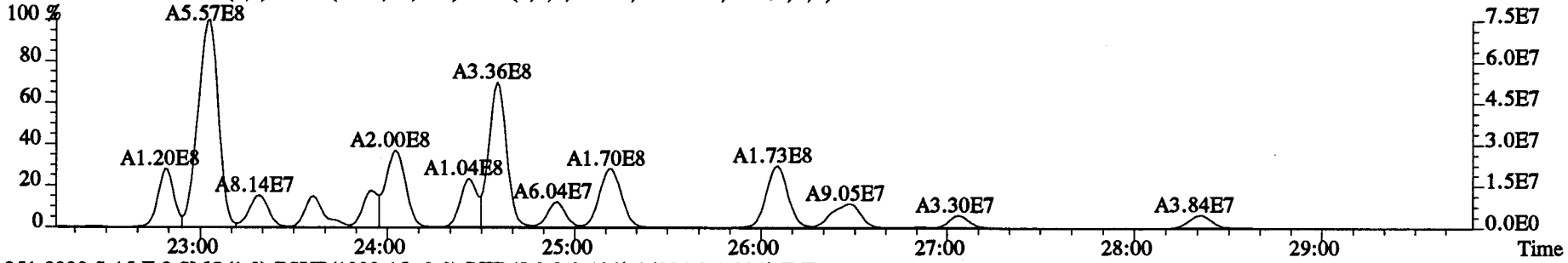


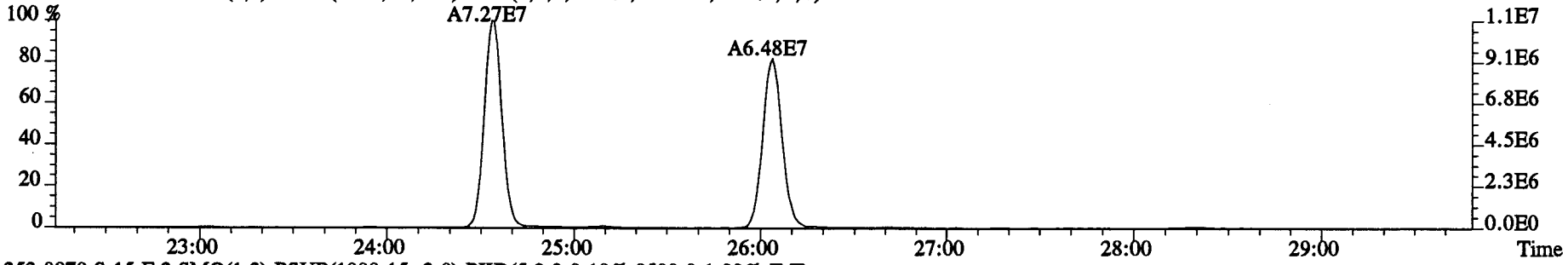
File:27AP104D5 #1-434 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

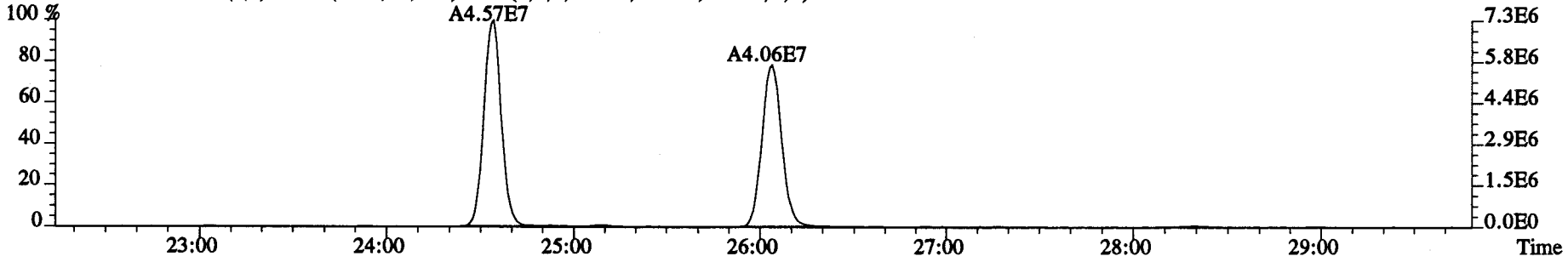


File:27AP104D5 #1-604 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

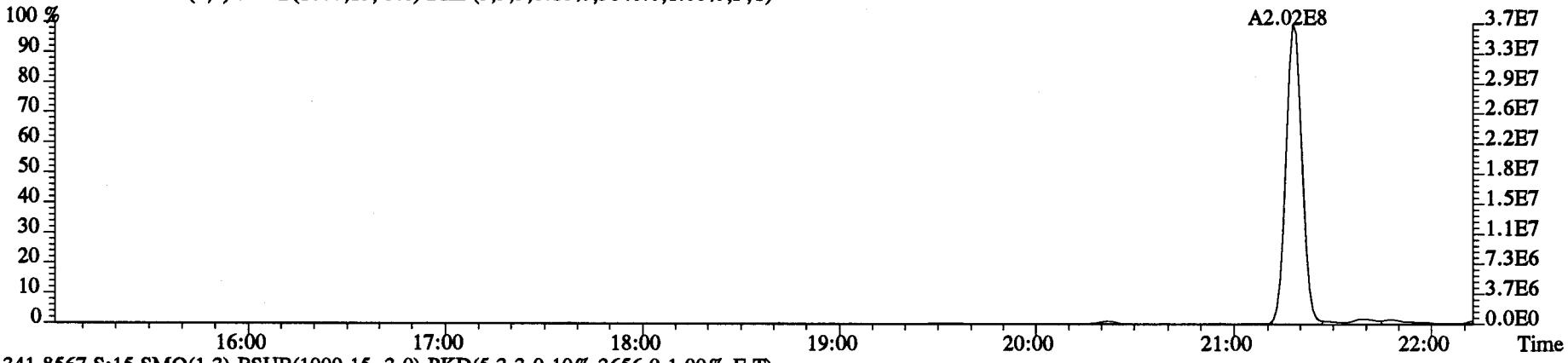




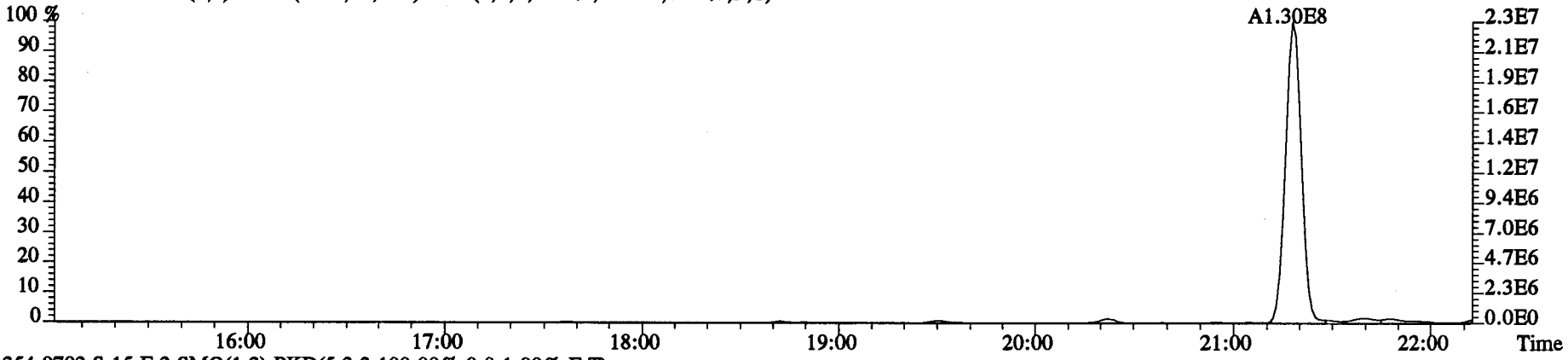




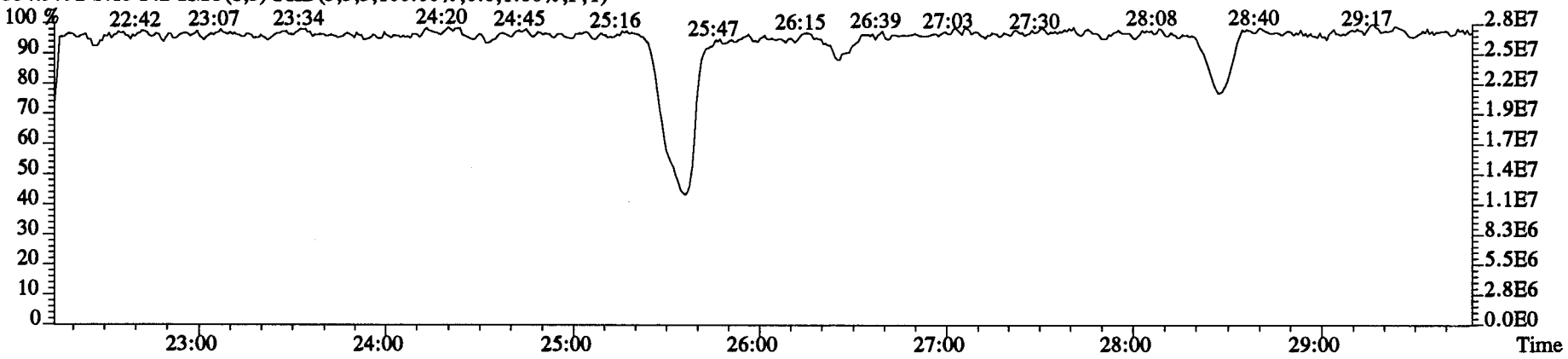
File:27AP104D5 #1-434 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A
339.8597 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3840.0,1.00%,F,T)



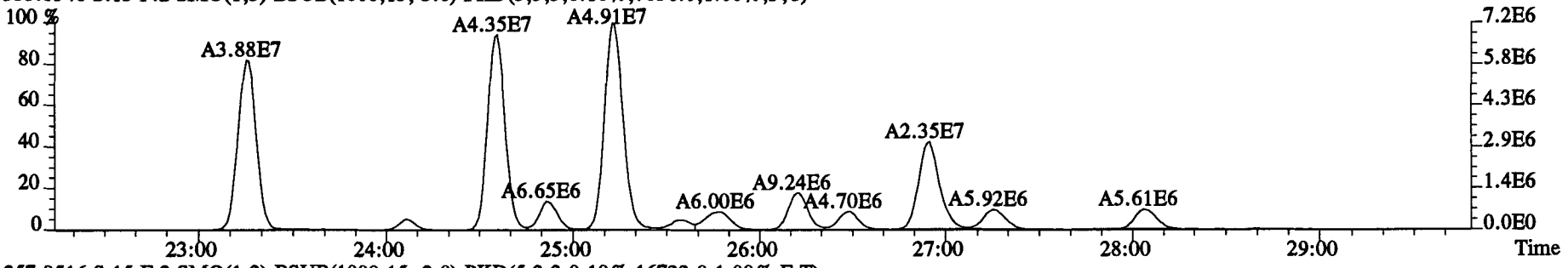
341.8567 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3656.0,1.00%,F,T)



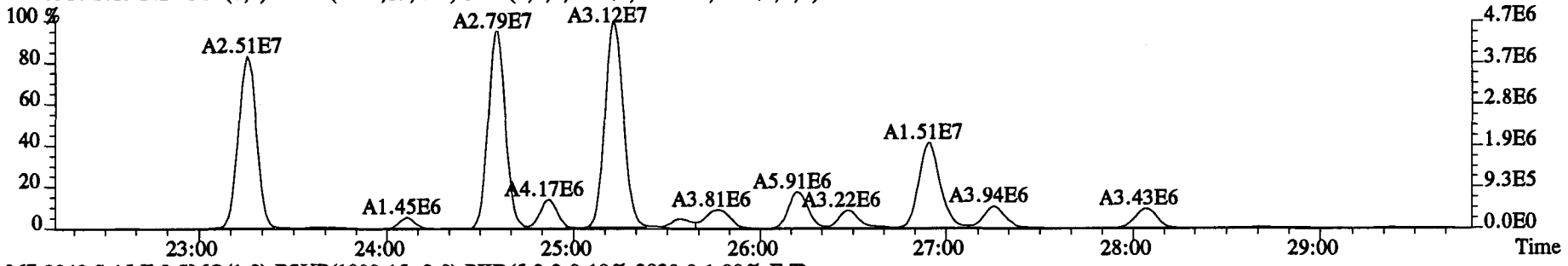
354.9792 S:15 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



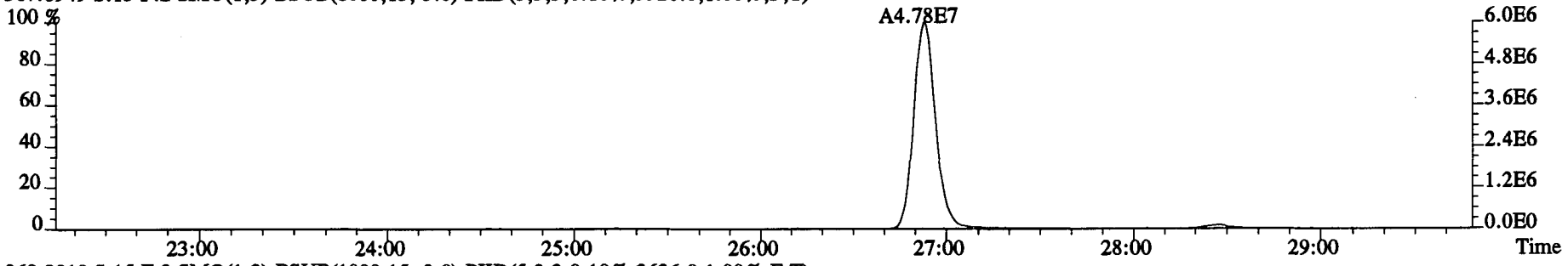
File:27AP104D5 #1-604 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A
355.8546 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7056.0,1.00%,F,T)



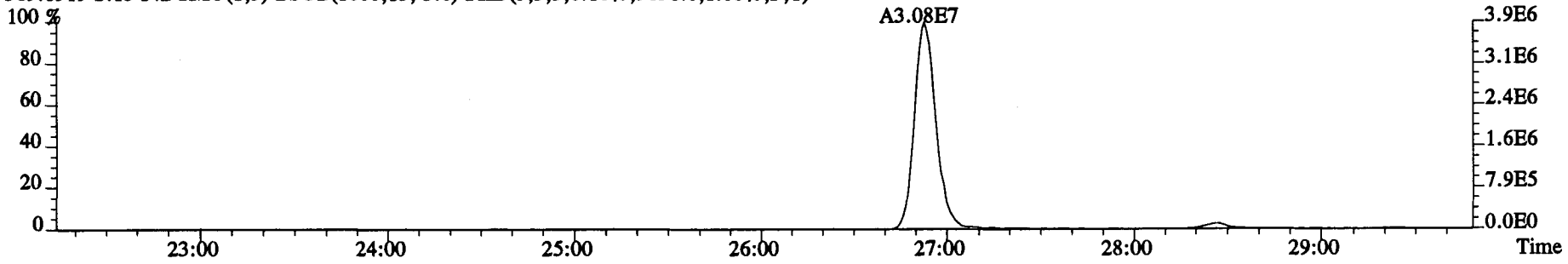
357.8516 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16732.0,1.00%,F,T)



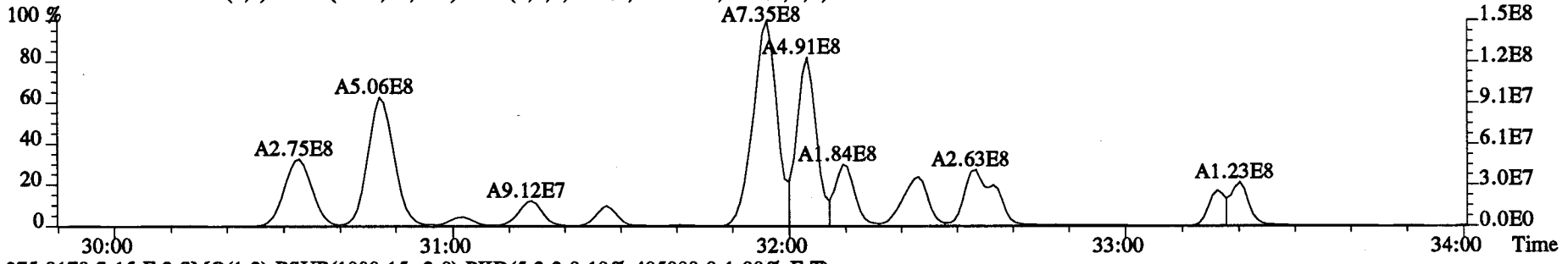
367.8949 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3920.0,1.00%,F,T)

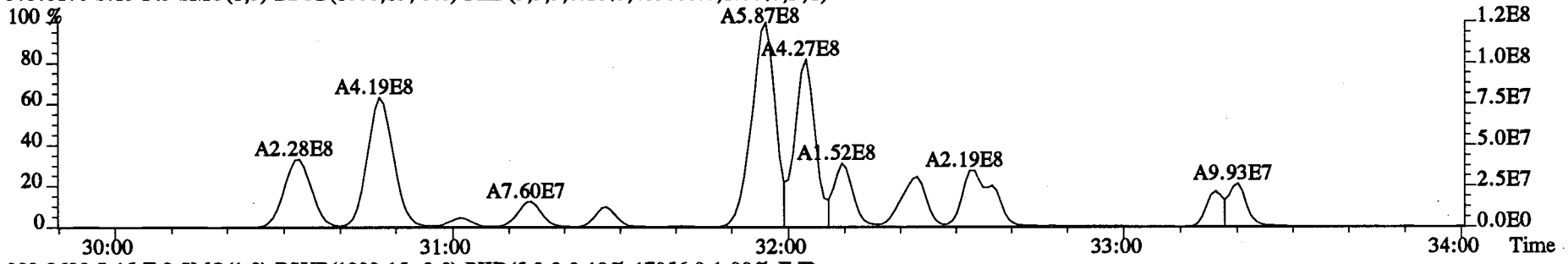


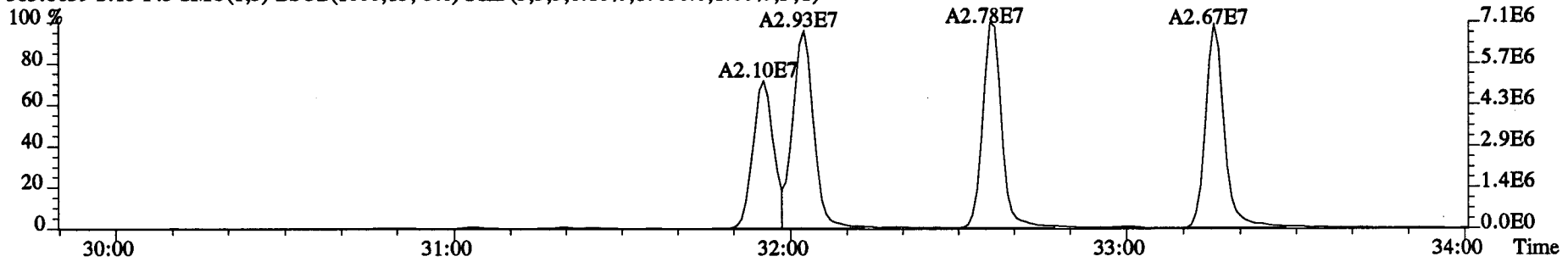
369.8919 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636.0,1.00%,F,T)

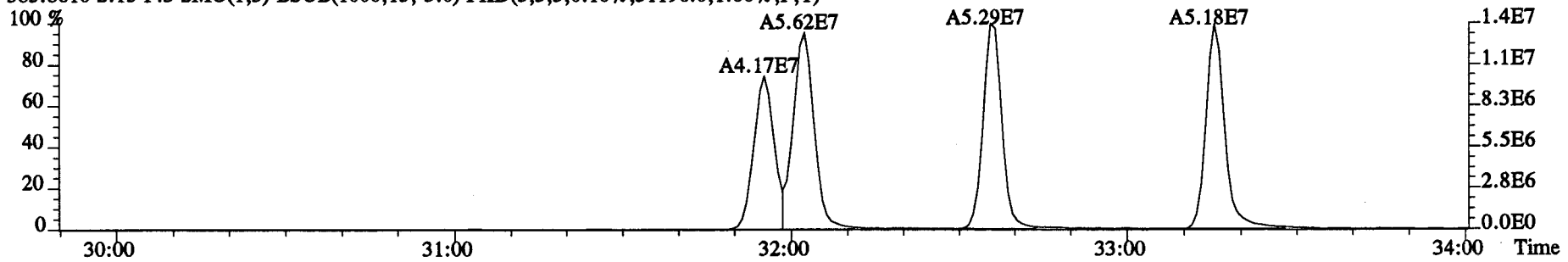


File:27AP104D5 #1-317 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

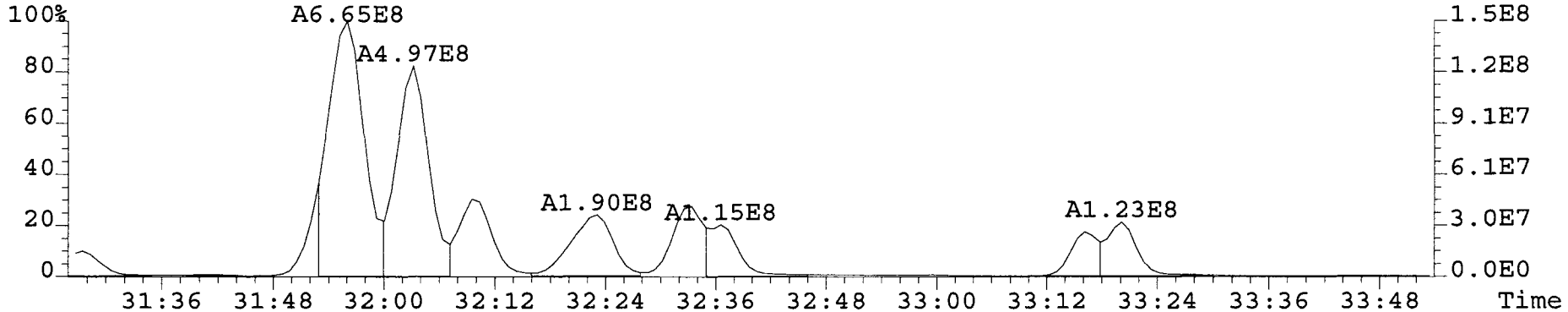




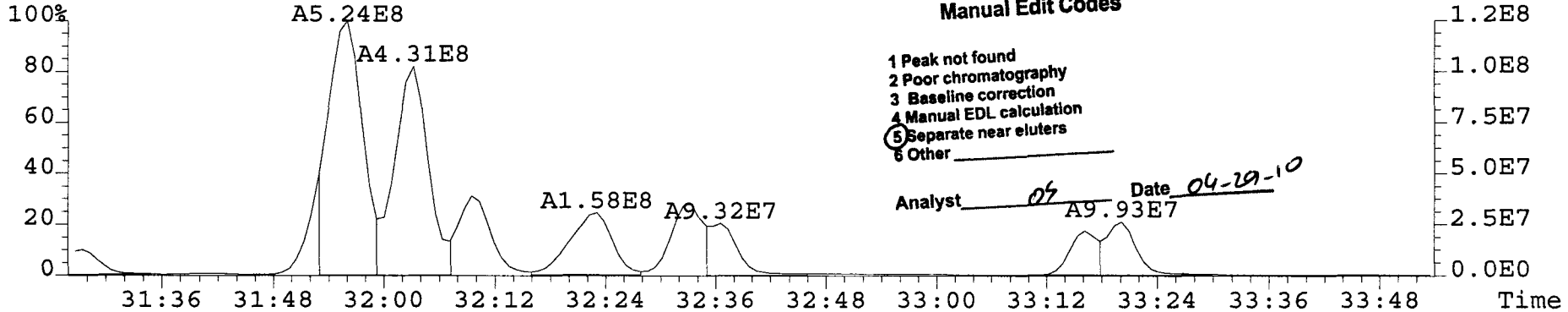




File:27AP104D5 #1-317 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A
373.8208 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,493496.0,1.00%,F,T)



375.8178 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,405008.0,1.00%,F,T)

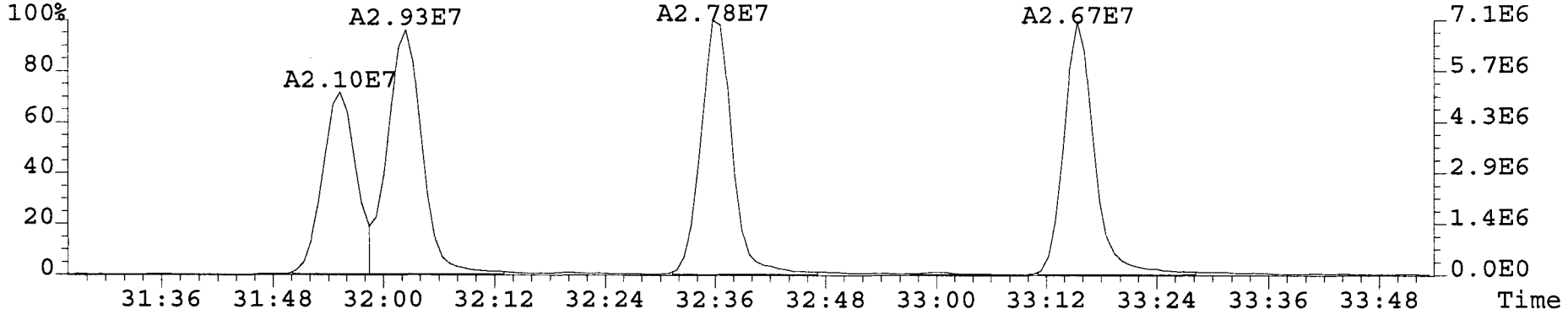


Manual Edit Codes

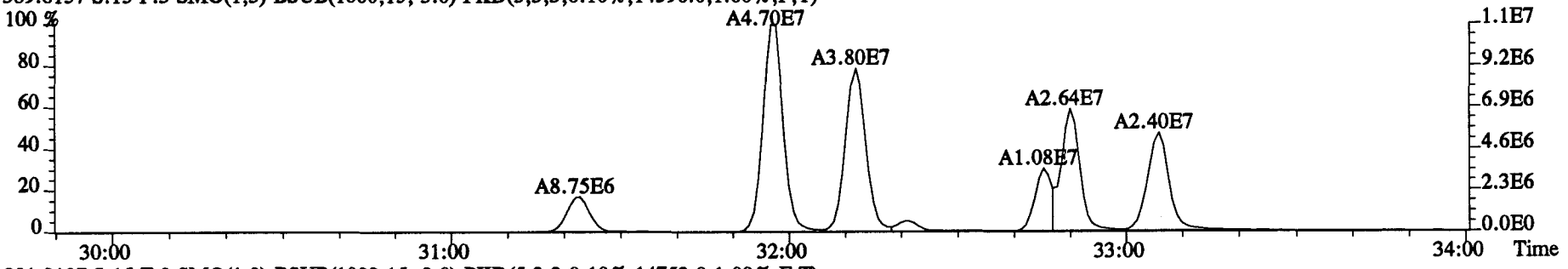
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

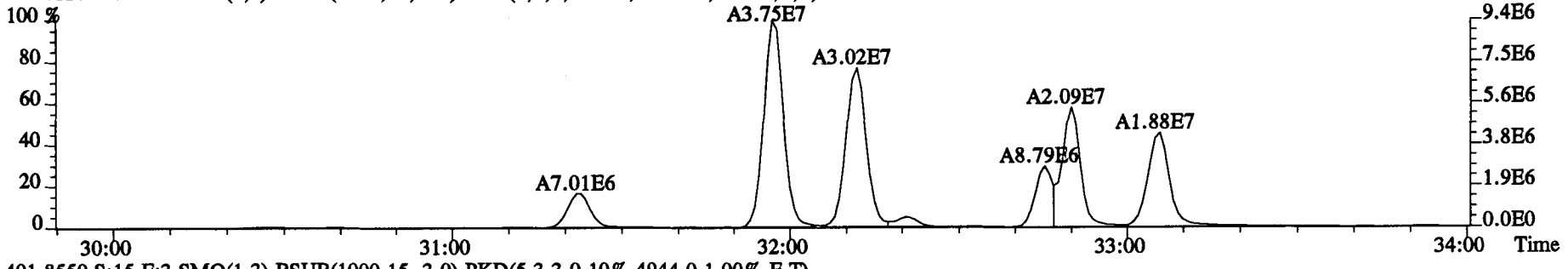
Analyst DS Date 04-29-10

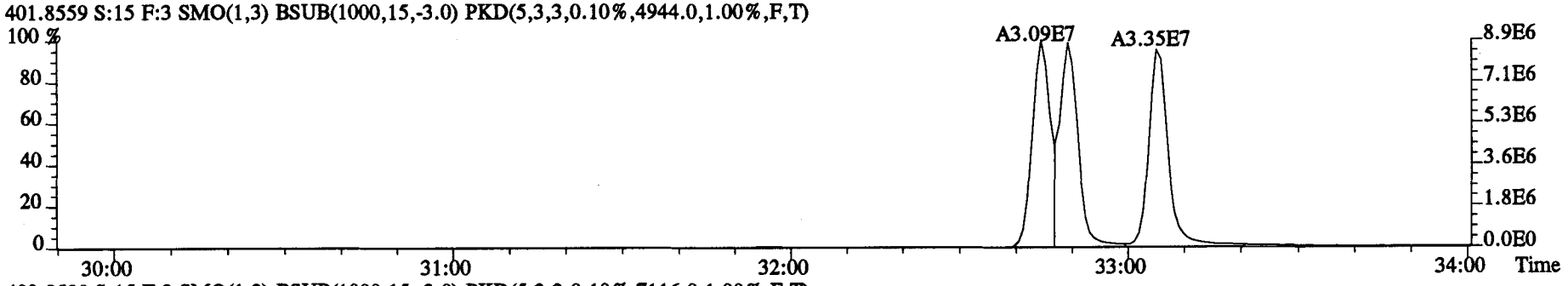
383.8639 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17056.0,1.00%,F,T)

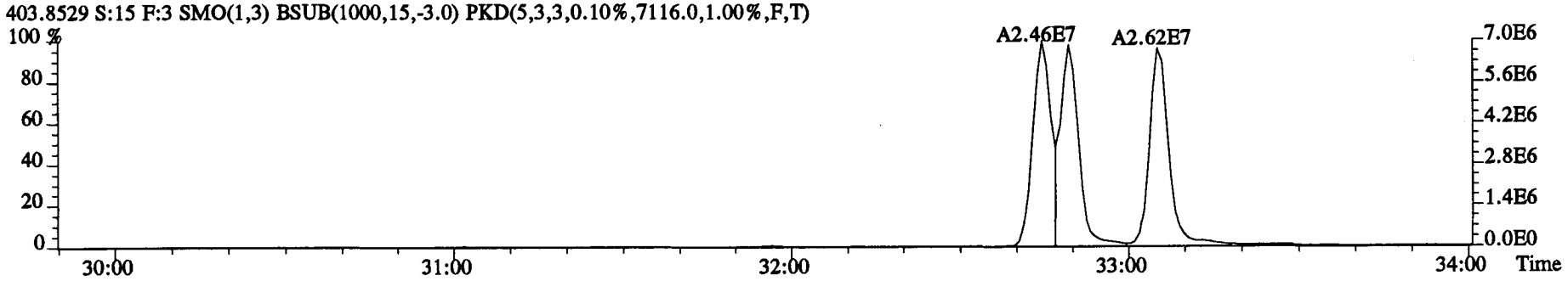


File:27AP104D5 #1-317 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A



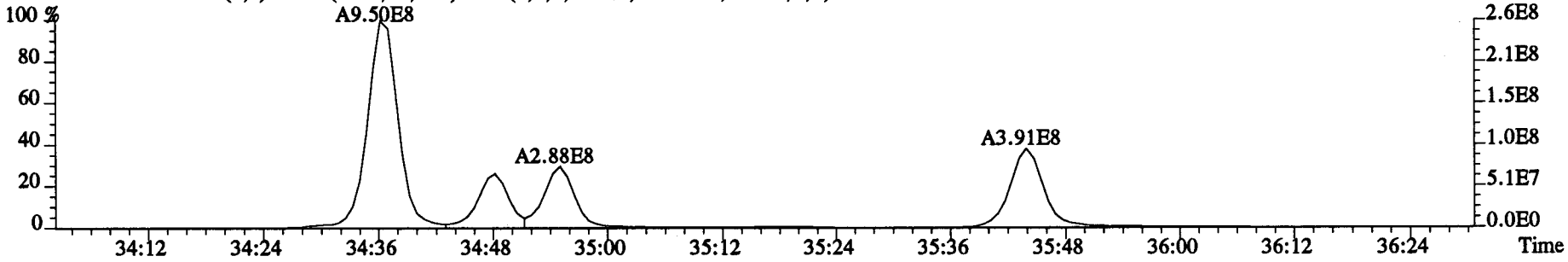




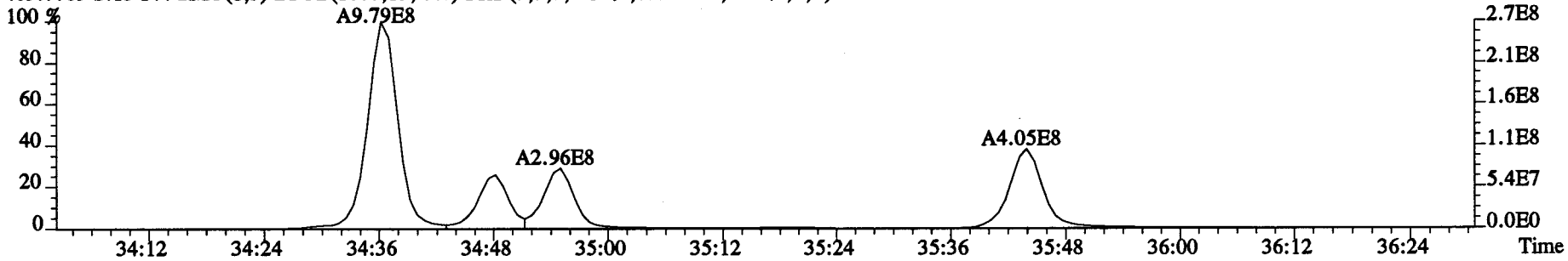


File:27AP104D5 #1-198 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

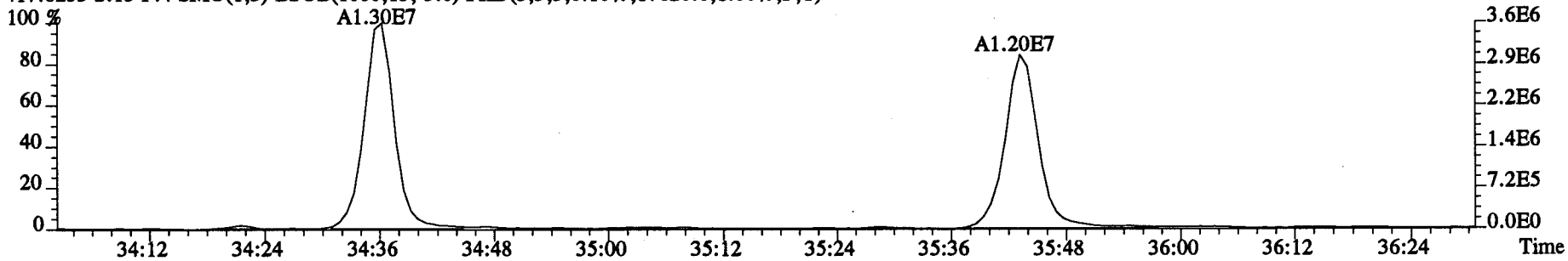
407.7818 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,149372.0,1.00%,F,T)



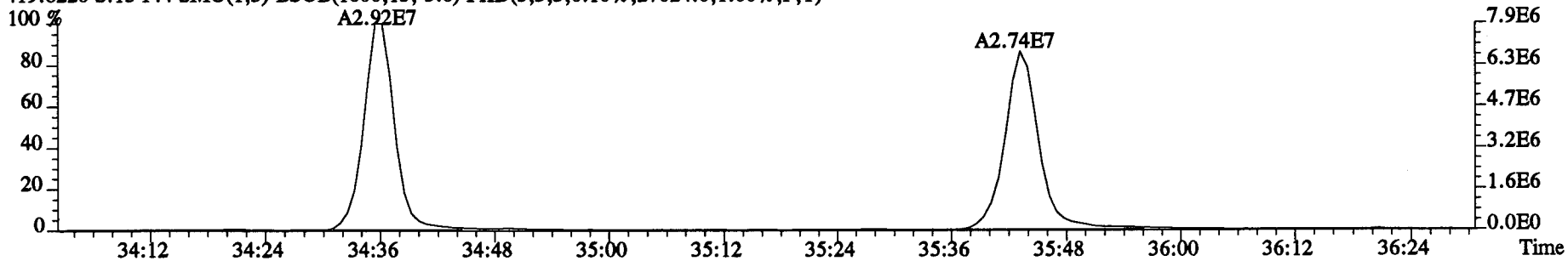
409.7789 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,122652.0,1.00%,F,T)



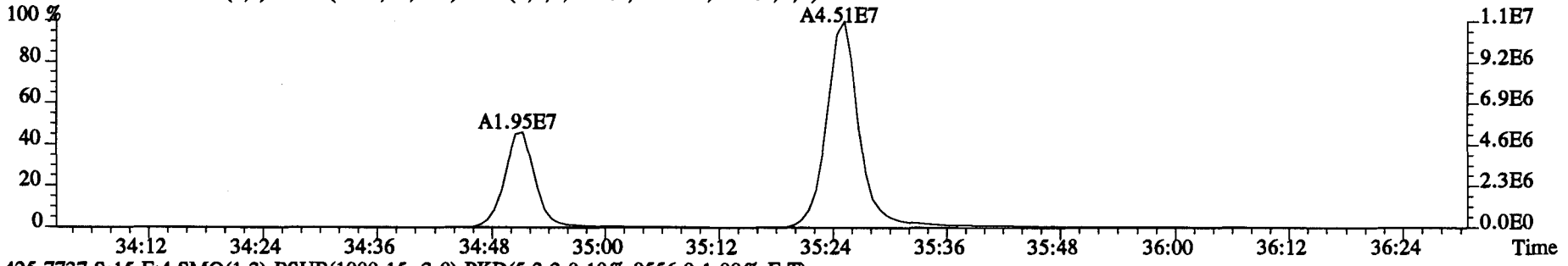
417.8253 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17620.0,1.00%,F,T)

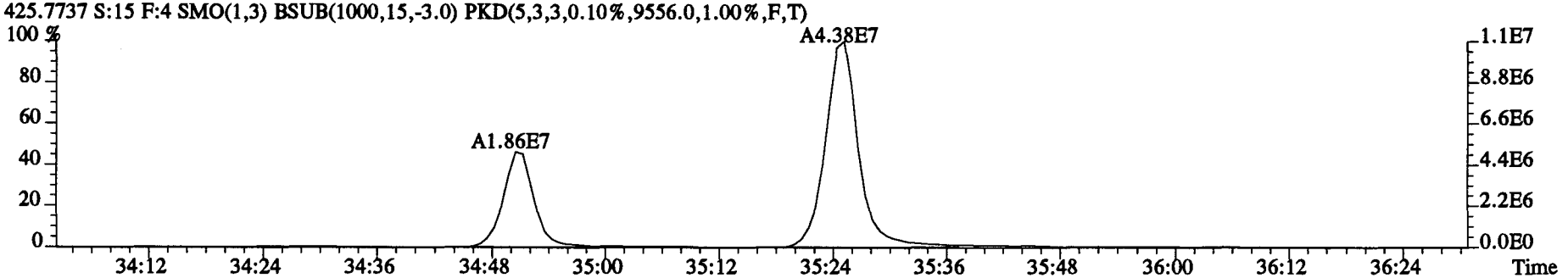


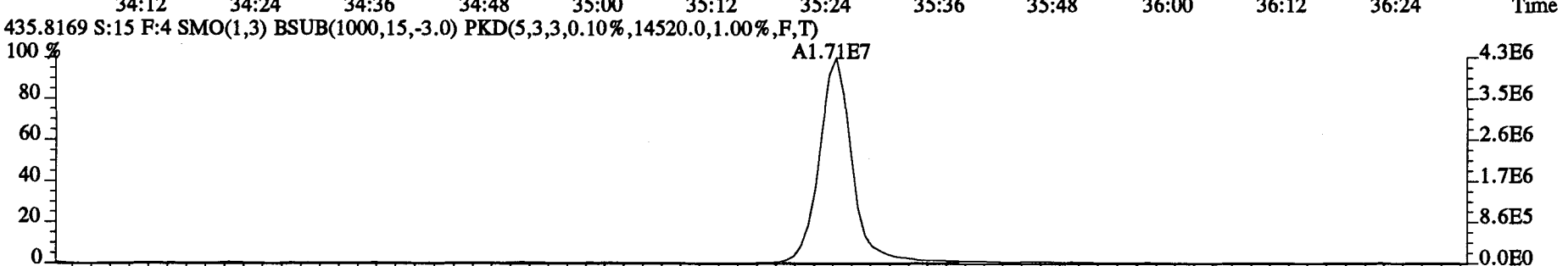
419.8220 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27024.0,1.00%,F,T)

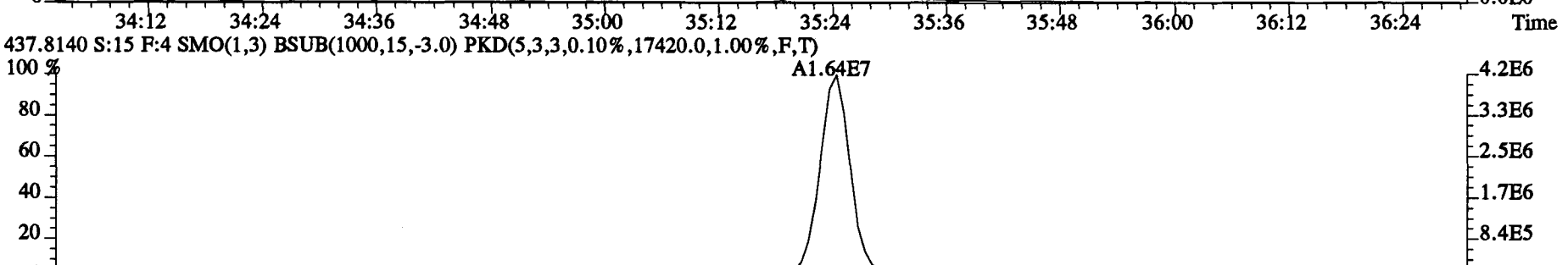


File:27AP104D5 #1-198 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

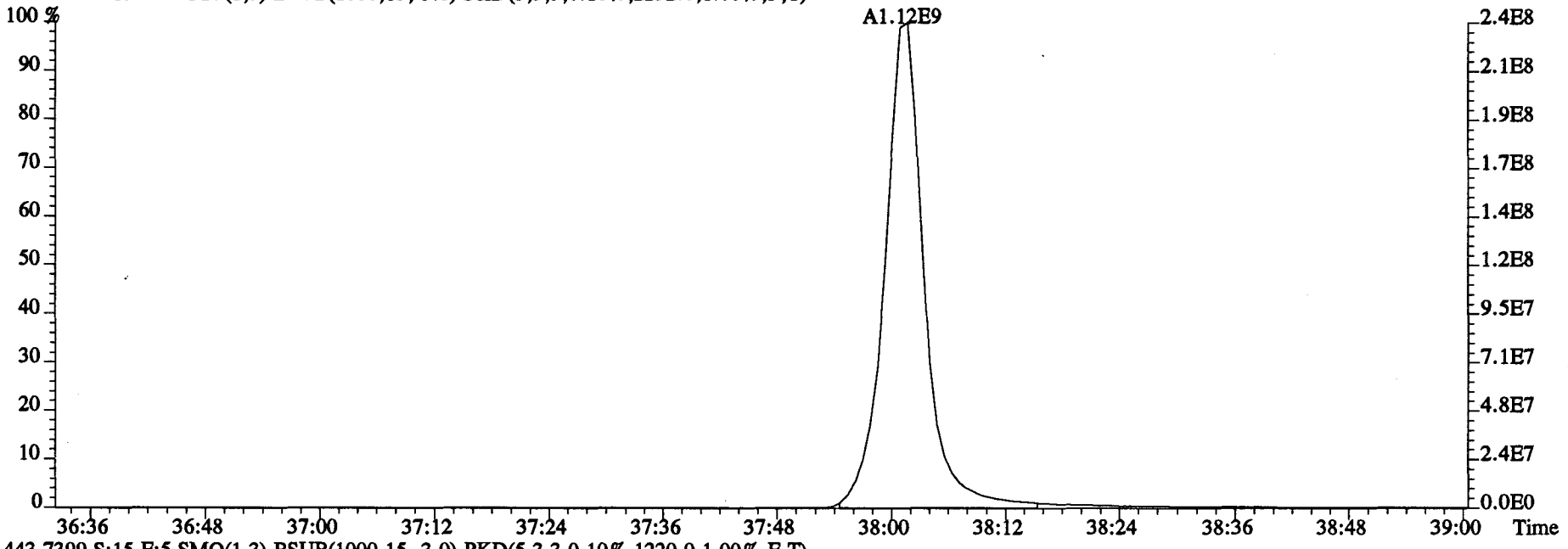




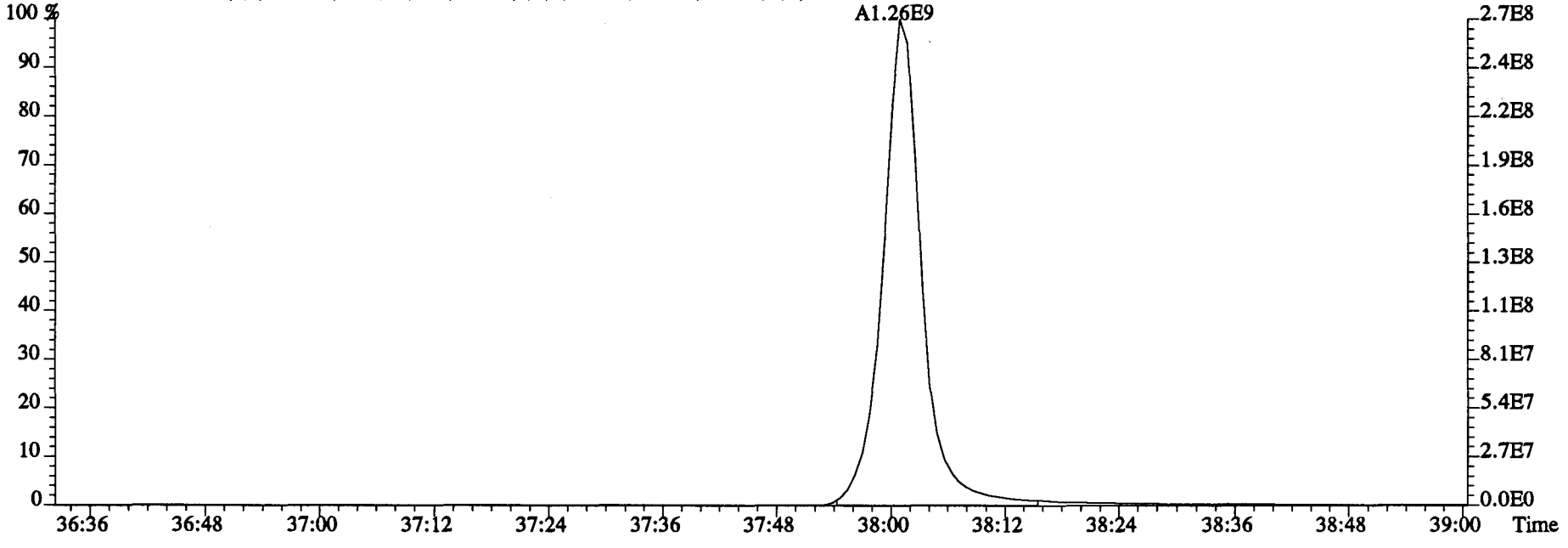




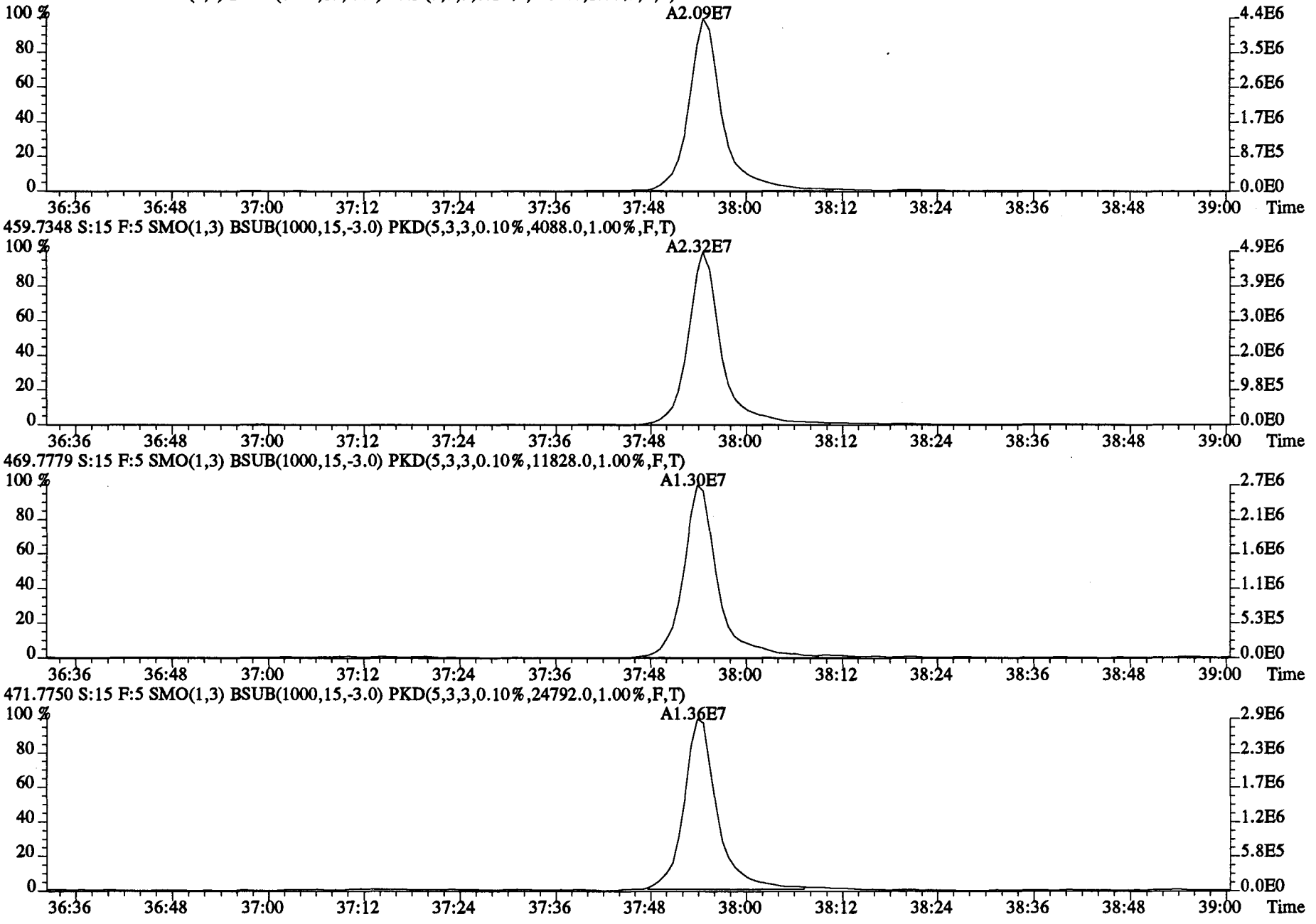
File:27AP104D5 #1-190 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A
441.7428 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2232.0,1.00%,F,T)



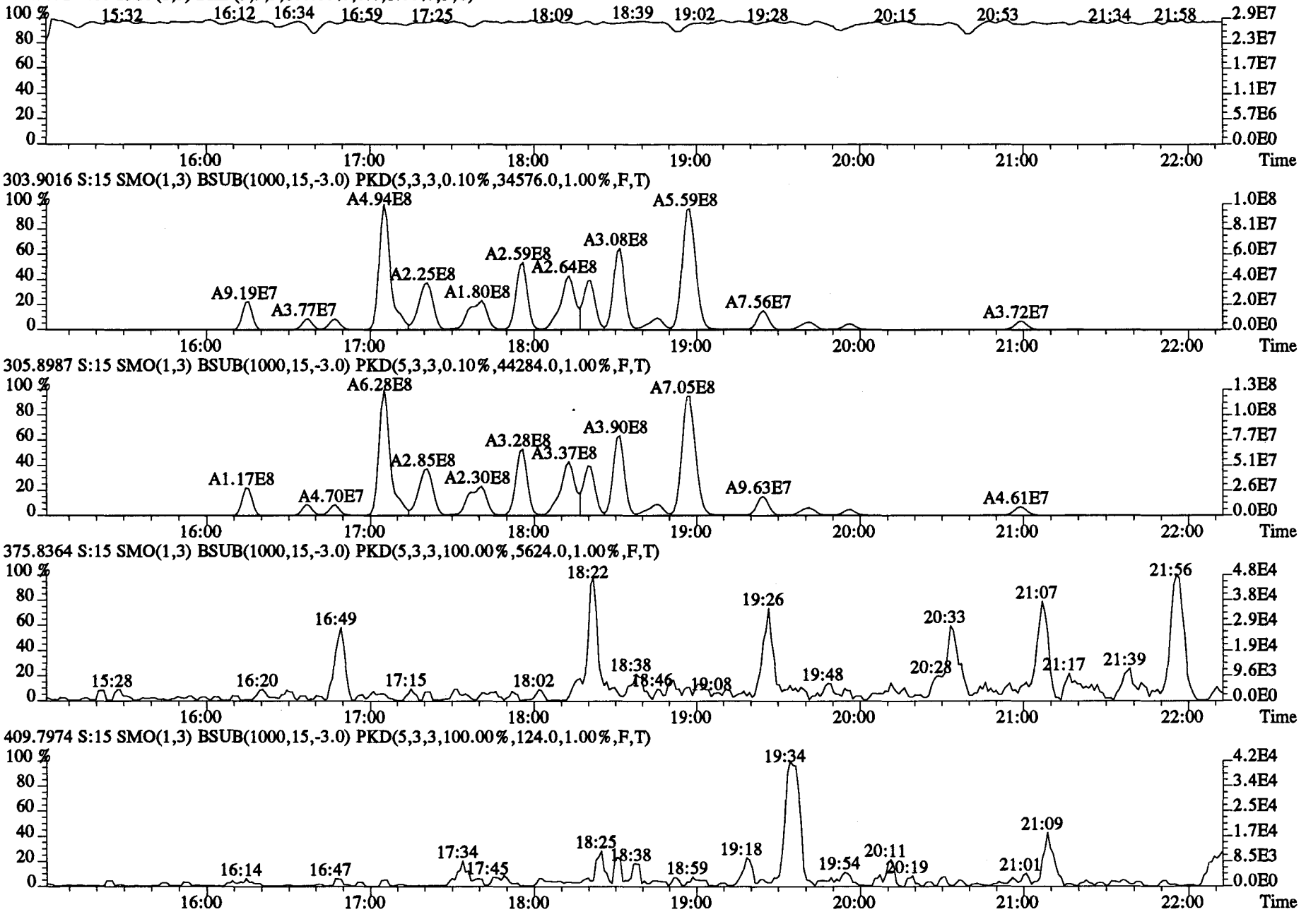
443.7399 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1220.0,1.00%,F,T)



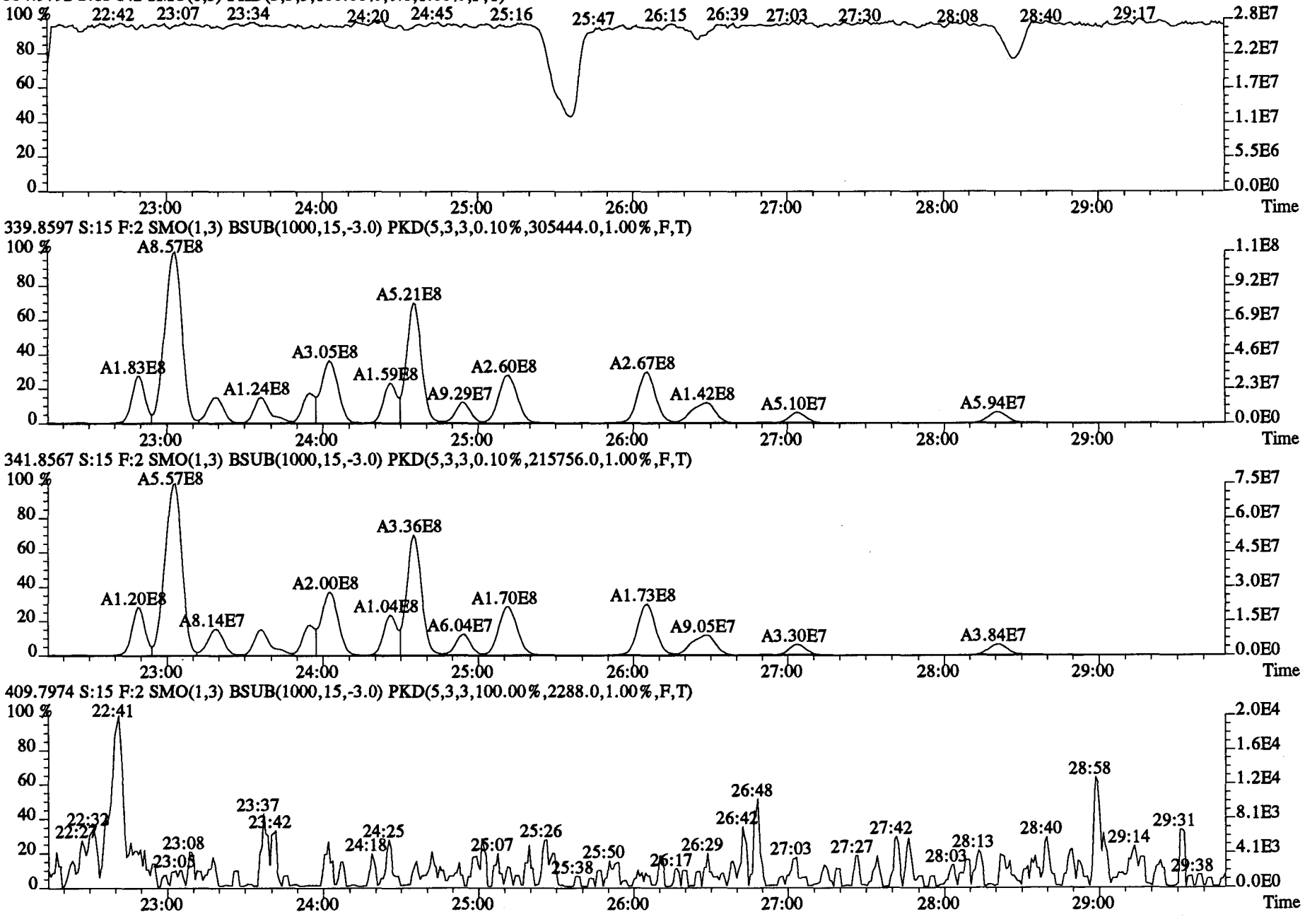
File:27AP104D5 #1-190 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A



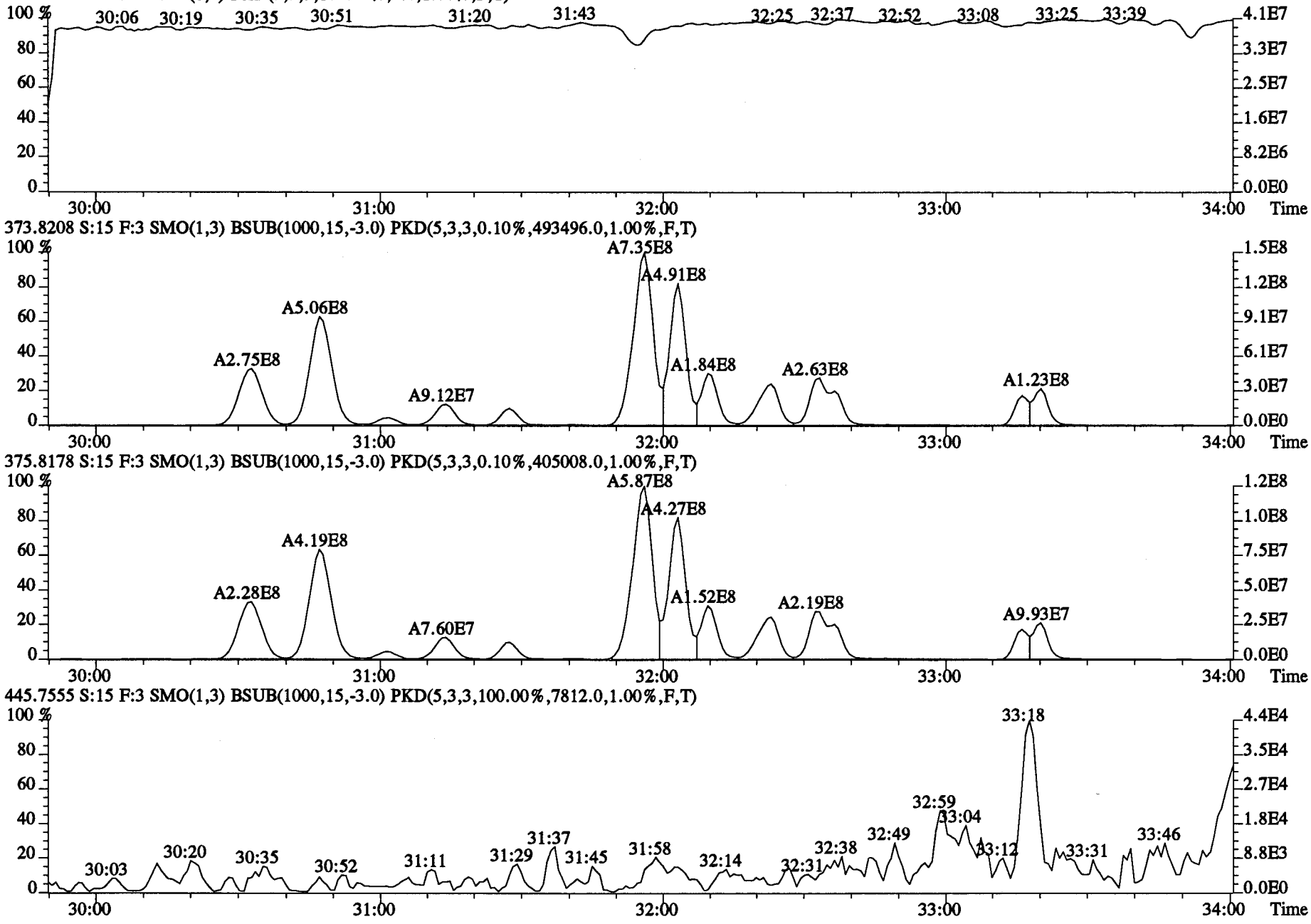
File:27AP104D5 #1-434 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A



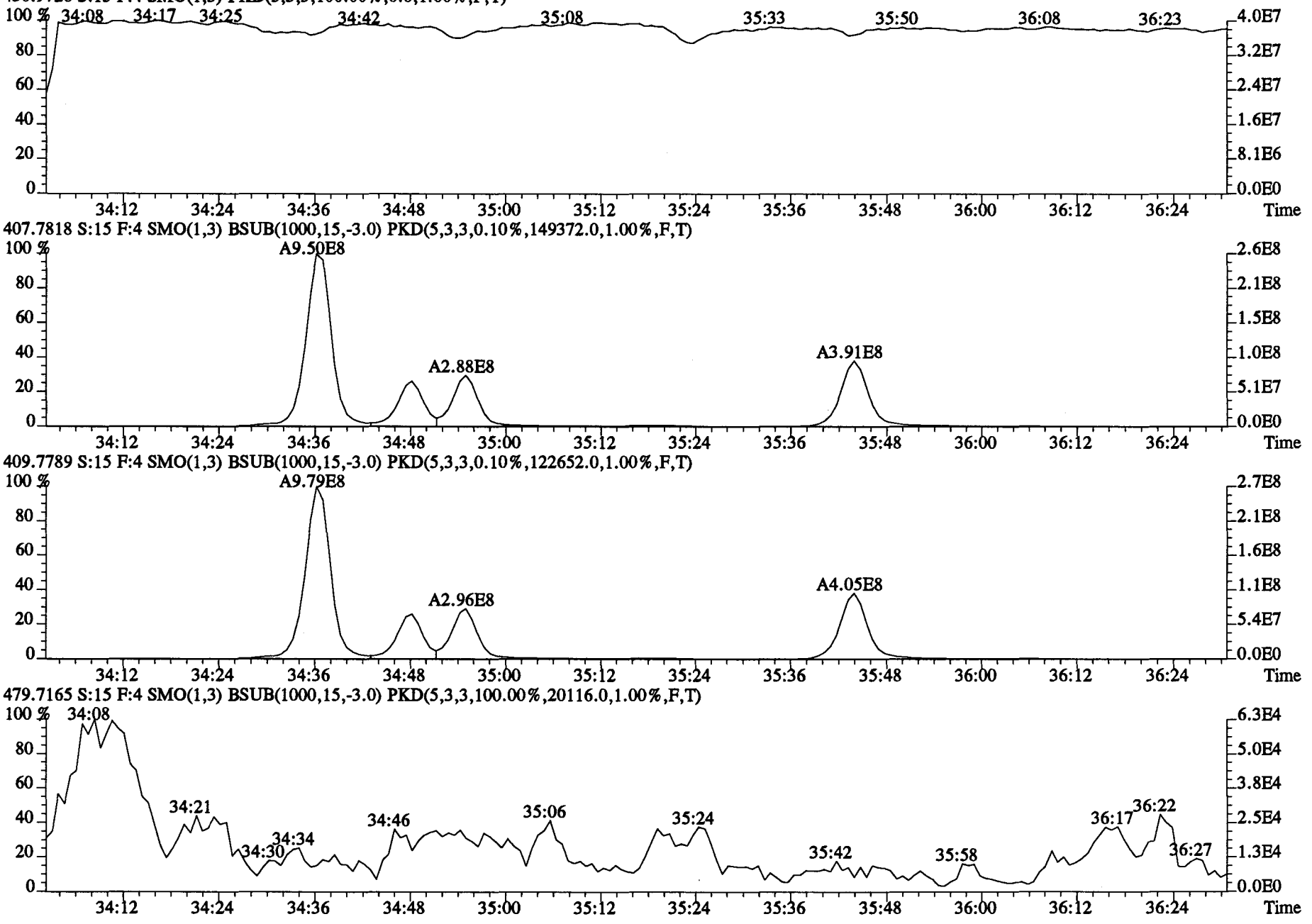
File:27AP104D5 #1-604 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A



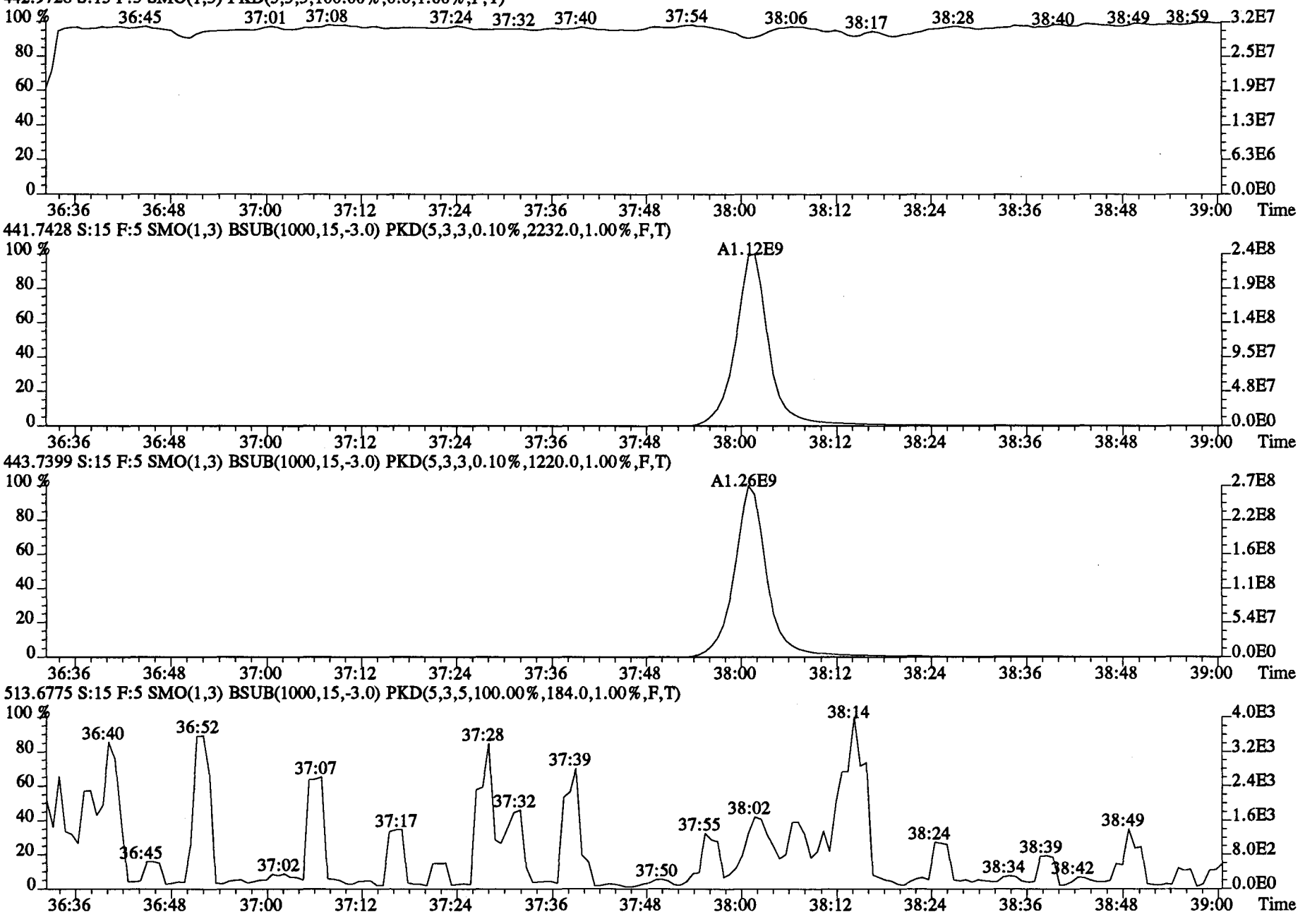
File:27AP104D5 #1-317 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A



File:27AP104D5 #1-198 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A



File:27AP104D5 #1-190 Acq:27-APR-2010 22:09:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 Text:LXXQX-1-AD :G0D140435-1 Exp:DIOXINRES8290A

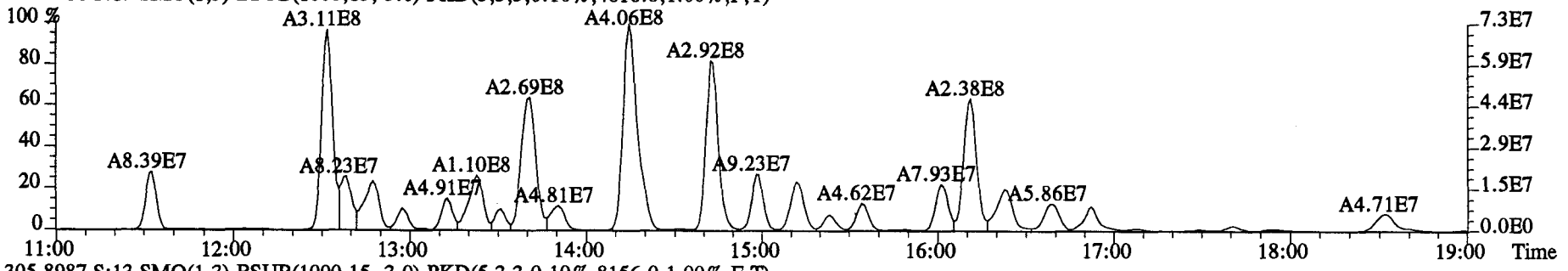


Run text: LXXQX-1-AD Sample text: LXXQX-1-AD :G0D140435-1
Run #17 Filename: 28AP105D2 S: 13 I: 1 Results: 28AP105D2DB225
Acquired: 28-APR-10 16:58:17 Processed: 28-APR-10 19:39:54
Run: 28AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.5800 g

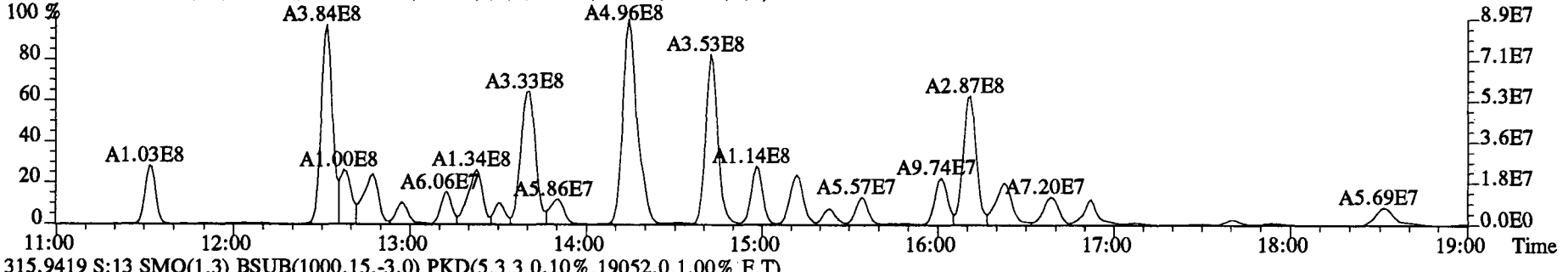
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	51512300	0.76 y	14:59	-	4.89	-	-	n
13C-2,3,7,8-TCDF	133616200	0.81 y	16:10	2.11	116.40	0.46	61.6	n
2,3,7,8-TCDF	525111000	0.83 y	16:11	1.09	682.54 E	0.25	-	n
13C-2,3,7,8-TCDD	68287000	0.75 y	14:47	0.95	132.11	0.47	69.9	n
2,3,7,8-TCDD	22640300	0.79 y	14:48	1.36	46.18	0.26	-	n
37Cl-2,3,7,8-TCDD	79319000	1.00 y	14:48	2.28	63.89	0.31	84.5	n

05
04-29-10

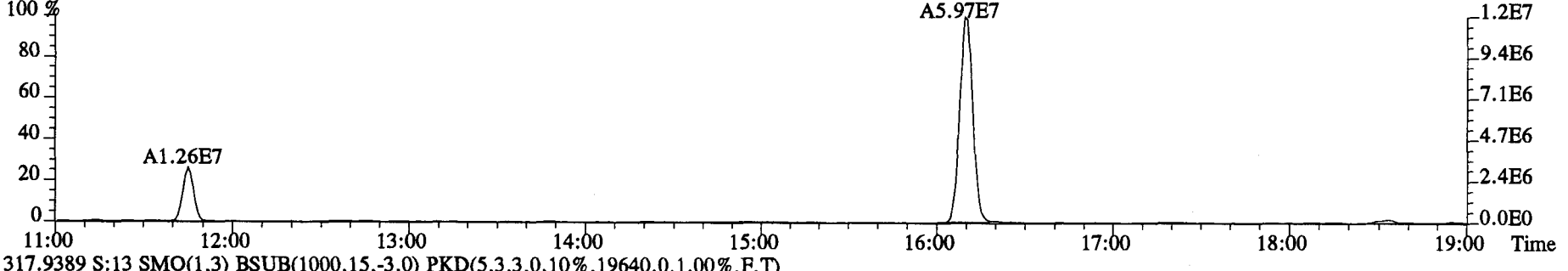
File:28AP105D2 #1-1242 Acq:28-APR-2010 16:58:17 GC EI+ Voltage SIR 70SE
Sample#13 Text:LXXQX-1-AD :G0D140435-1 Exp:DB225RES
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4616.0,1.00%,F,T)



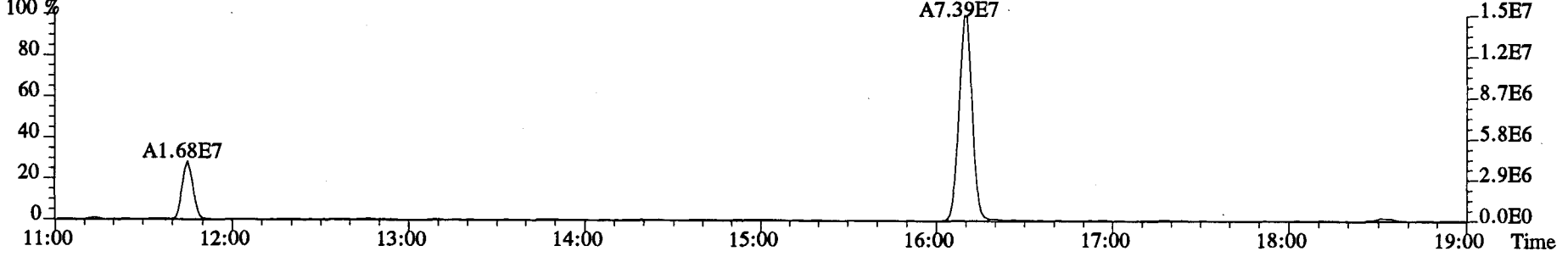
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8156.0,1.00%,F,T)



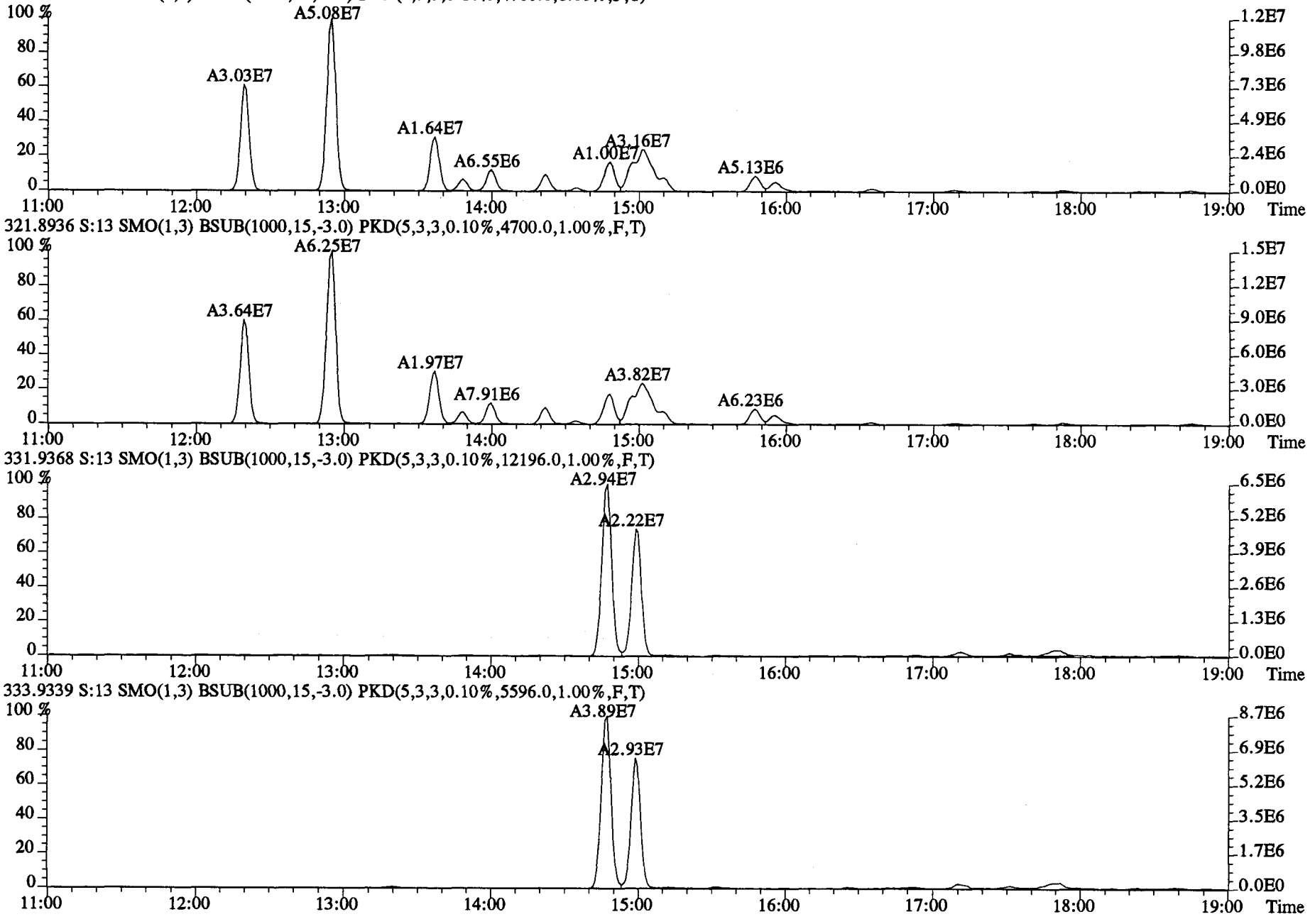
315.9419 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19052.0,1.00%,F,T)



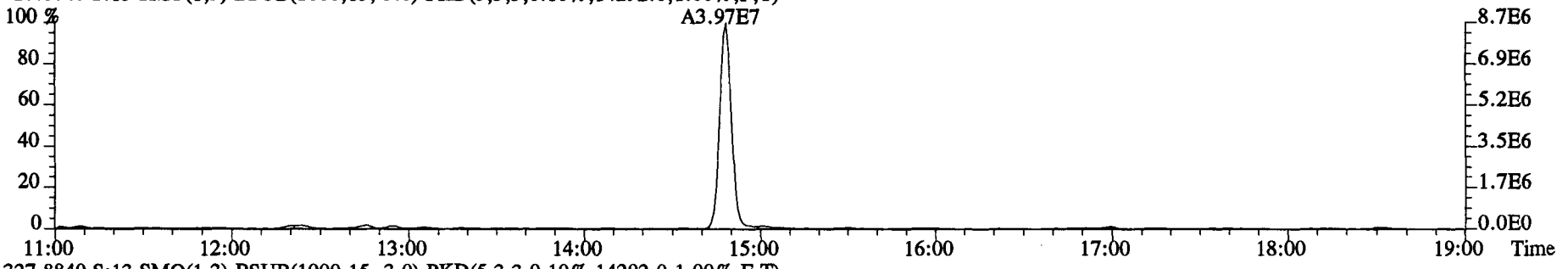
317.9389 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19640.0,1.00%,F,T)



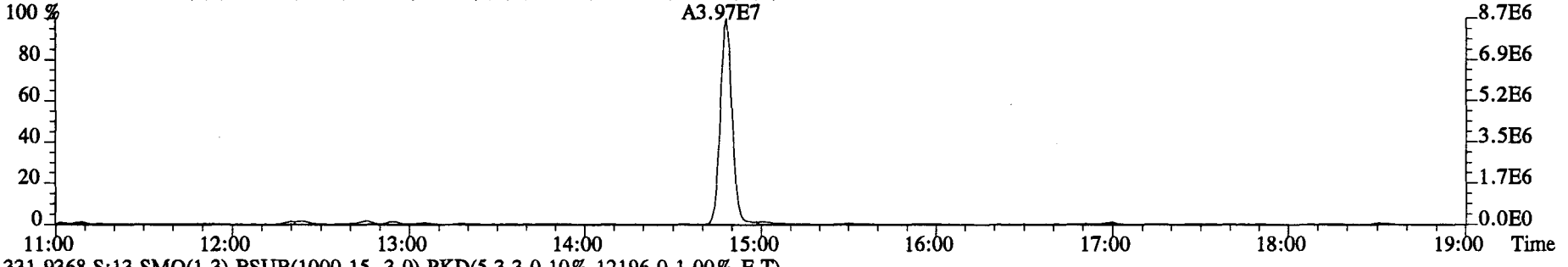
File:28AP105D2 #1-1242 Acq:28-APR-2010 16:58:17 GC EI+ Voltage SIR 70SE
Sample#13 Text:LXXQX-1-AD :G0D140435-1 Exp:DB225RES



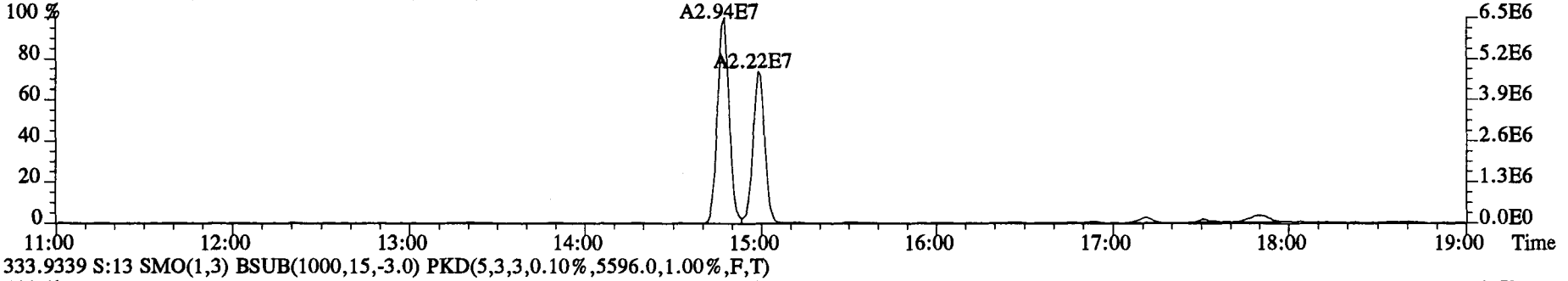
File:28AP105D2 #1-1242 Acq:28-APR-2010 16:58:17 GC EI+ Voltage SIR 70SE
Sample#13 Text:LXXQX-1-AD :G0D140435-1 Exp:DB225RES
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14292.0,1.00%,F,T)



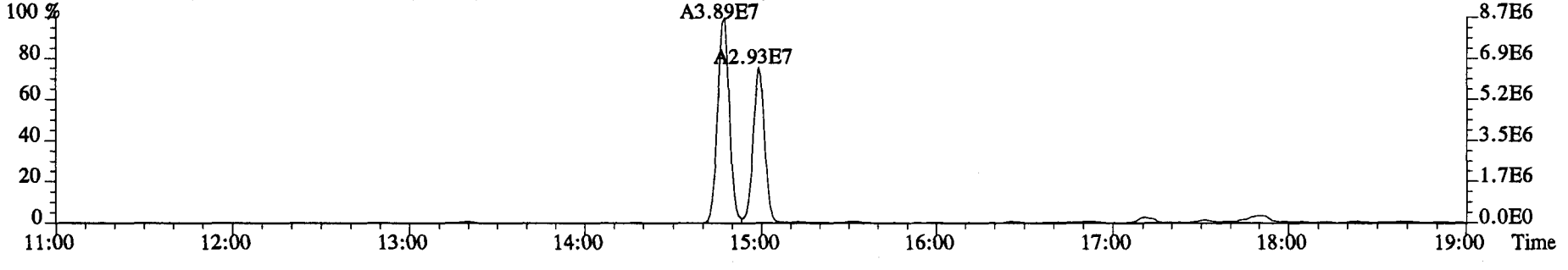
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14292.0,1.00%,F,T)



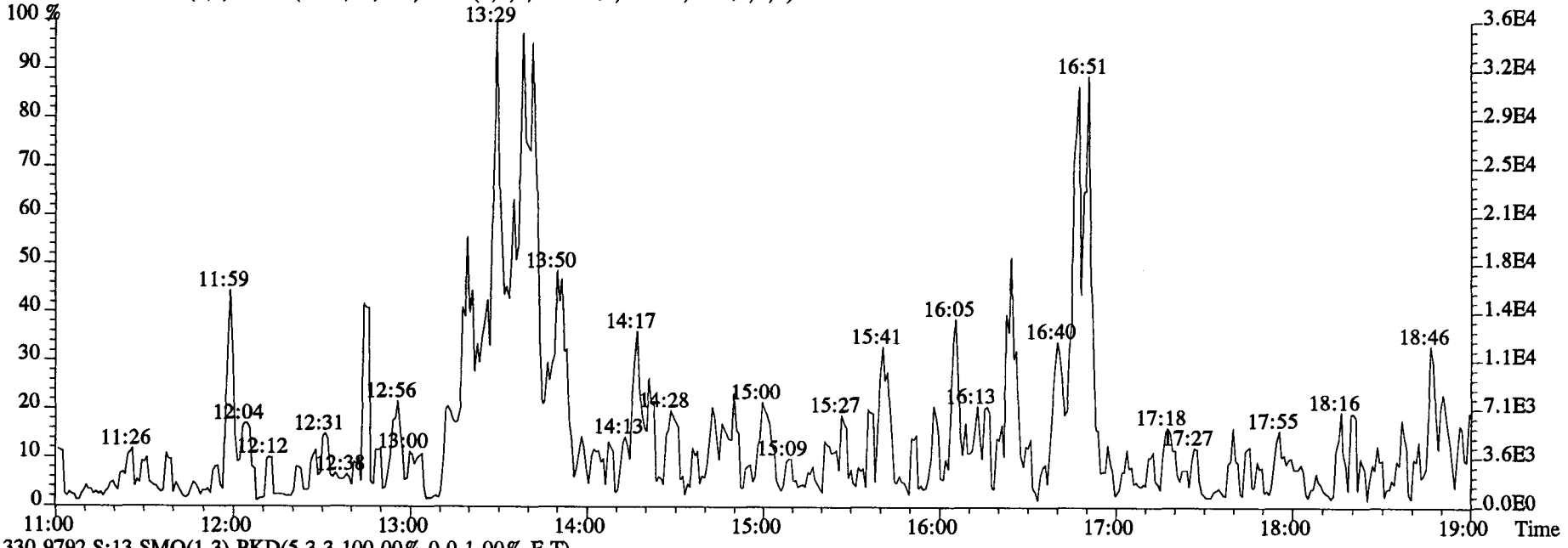
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12196.0,1.00%,F,T)



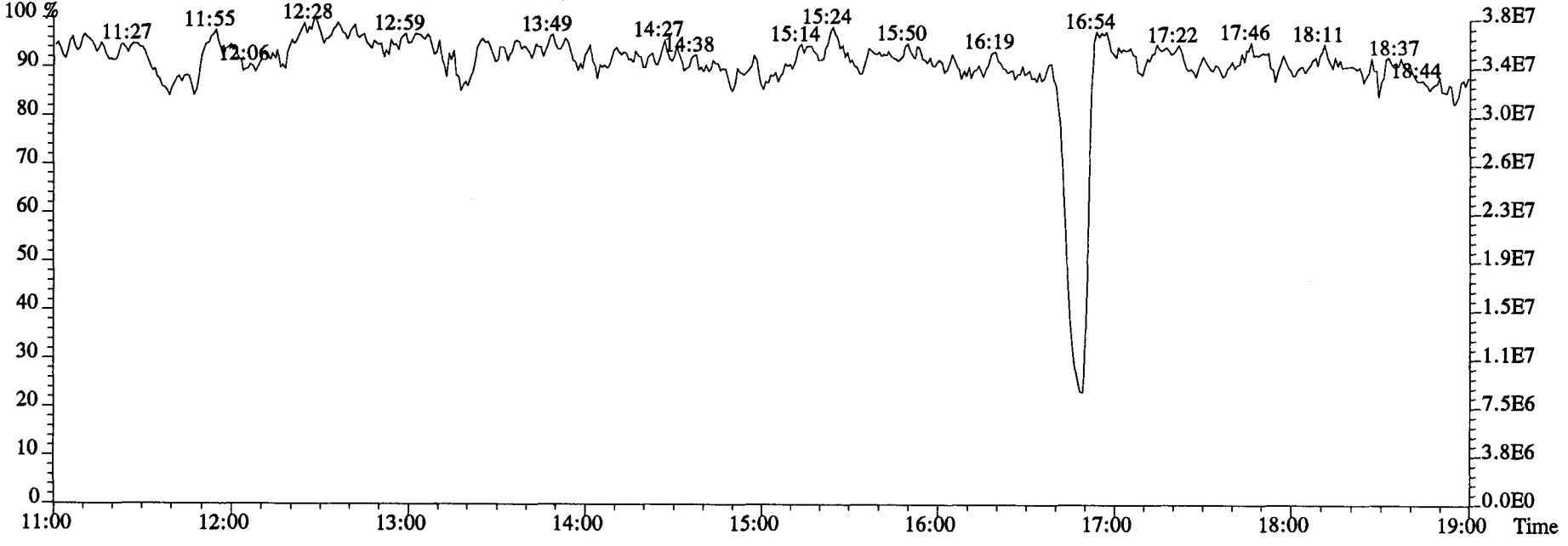
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5596.0,1.00%,F,T)



File:28AP105D2 #1-1242 Acq:28-APR-2010 16:58:17 GC EI+ Voltage SIR 70SE
Sample#13 Text:LXXQX-1-AD :G0D140435-1 Exp:DB225RES
375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1628.0,1.00%,F,T)



330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LXXTC-1-AD Sample text: LXXTC-1-AD :G0D140435-2
Run #19 Filename: 27AP104D5 S: 16 I: 1 Results: 27AP104D58290AOS
Acquired: 27-APR-10 22:53:50 Processed: 28-APR-10 10:32:05
Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.32 g OS 04-29-10

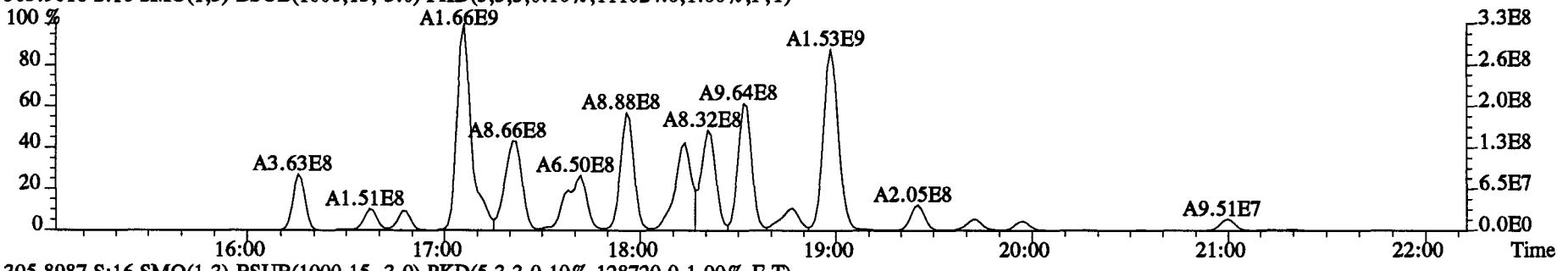
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	83509600	0.80	y	19:31	-	6.082		-	-	n
13C-2,3,7,8-TCDF	138156800	0.79	y	18:56	1.52	105.415		0.643	54.4	n
2,3,7,8-TCDF	3460270000	0.79	y	18:58	0.95	~~5134.649~~	see BBMT	4.936	-	n
Total TCDF	21638455590	0.79	y	16:15	0.95	~~32109~~.017		~~4.936~~	-	n
13C-2,3,7,8-TCDD	117277800	0.80	y	19:43	0.95	143.291		0.259	73.9	n
2,3,7,8-TCDD	52487500	0.76	y	19:44	1.02	84.949		1.219 G	-	n
Total TCDD	1457755007	0.76	y	17:15	1.02	~~2359.~~312		~~1.219~~	-	n
37Cl-2,3,7,8-TCDD	133568200	1.00	y	19:44	2.26	68.538		1.812	88.4	n
13C-1,2,3,7,8-PeCDF	130706000	1.57	y	24:35	1.05	144.396		1.316	74.5	n
1,2,3,7,8-PeCDF	2704130000	1.54	y	24:36	1.04	3837.664 E		13.002 G	-	n
2,3,4,7,8-PeCDF	1428336000	1.54	y	26:06	0.98	2156.291 E		13.831 G	-	n
Total F2 PeCDF	18784053550	1.56	y	22:27	1.01	~~27429.553~~		~~13.404~~	-	n
Total F1 PeCDF	1393394658	0.54	n	19:31	1.01	2038.567		~~1.141~~	-	n
13C-1,2,3,7,8-PeCDD	86480000	1.56	y	26:53	0.67	149.665		0.476	77.2	n
1,2,3,7,8-PeCDD	123546400	1.60	y	26:56	0.98	281.960		3.882	-	n
Total PeCDD	1123844691	1.52	y	23:16	0.98	~~2564.857~~		~~3.882~~	-	n
13C-1,2,3,7,8,9-HxCDD	69809100	1.25	y	33:06	-	6.583		-	-	n
13C-1,2,3,4,7,8-HxCDF	74388500	0.53	y	31:55	1.02	100.751		1.683	52.0	n
1,2,3,4,7,8-HxCDF	3818480000	1.21	y	31:56	1.21	8203.720 E		215.374 G	-	y
1,2,3,6,7,8-HxCDF	2844160000	1.21	y	32:03	1.34	5518.118 E		194.496 G	-	y
2,3,4,6,7,8-HxCDF	595720000	1.27	y	32:36	1.22	1269.750 E		213.673 G	-	y
1,2,3,7,8,9-HxCDF	479514000	1.18	y	33:16	1.09	1143.506 E		239.062 G	-	y
Total HxCDF	15210252000	1.20	y	30:33	1.22	~~32124.0~~96		~~214.504~~	-	y
13C-1,2,3,6,7,8-HxCDD	69936600	1.25	y	32:49	0.81	120.283		1.011	62.1	n
1,2,3,4,7,8-HxCDD	75953900	1.22	y	32:45	1.01	209.061		5.493 G	-	y
1,2,3,6,7,8-HxCDD	148727900	1.25	y	32:50	1.11	369.988		4.965 G	-	y
1,2,3,7,8,9-HxCDD	139965300	1.26	y	33:06	1.21	320.796		4.574 G	-	n
Total HxCDD	939479830	1.24	y	31:23	1.11	~~2335.0~~17		~~4.983~~	-	y
13C-1,2,3,4,6,7,8-HpCDF	44896400	0.46	y	34:36	0.86	72.246		1.885	37.3	n
1,2,3,4,6,7,8-HpCDF	5627820000	0.97	y	34:37	1.31	18548.729 E		5.178 G	-	n
1,2,3,4,7,8,9-HpCDF	2607090000	0.97	y	35:44	1.03	10972.416 E		6.612 G	-	n
Total HpCDF	11865371300	0.97	y	34:37	1.17	~~42942.~~164		~~5.808~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	40860500	1.07	y	35:24	0.70	81.315		1.024	42.0	n
1,2,3,4,6,7,8-HpCDD	311437000	1.03	y	35:25	1.07	1378.102 E		2.877 G	-	n
Total HpCDD	464392899	0.17	n	34:29	1.07	~~2054.92~~8		~~2.877~~	-	n
13C-OCDD	52697400	0.92	y	37:55	0.53	137.653		0.862	35.5	n
OCDF	10098150000	0.89	y	38:02	1.45	51387.635 E		1.953	-	n

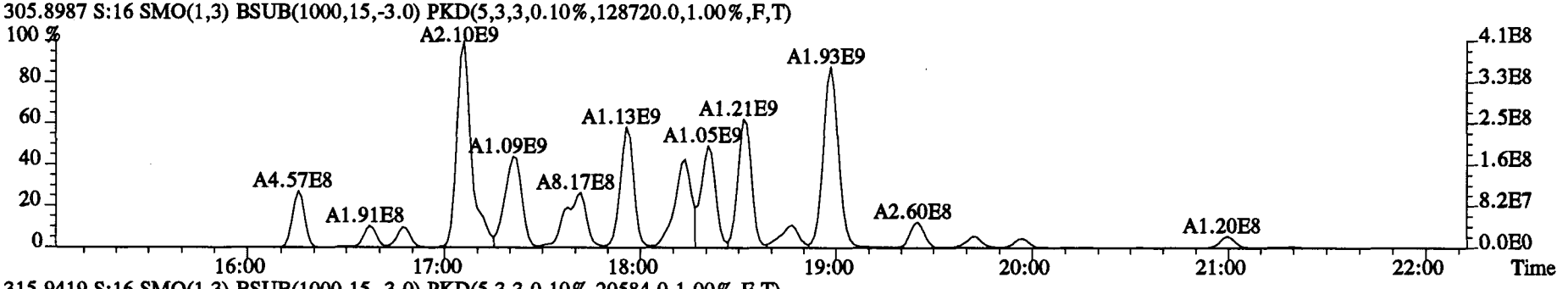
OCDD	249711000	0.91	y	37:56	1.17	1574.842	/	4.753	- n

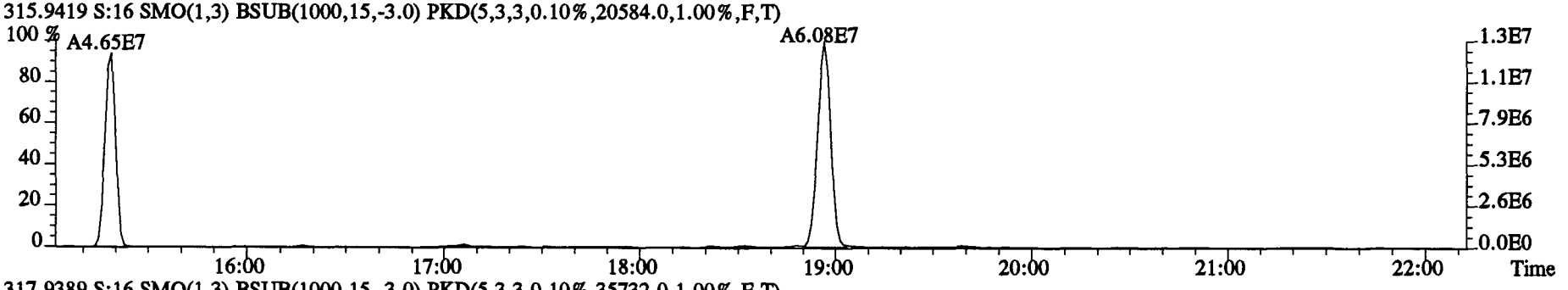
Run text: LXXTC-1-AD Sample text: LXXTC-1-AD :G0D140435-2
Run #19 Filename: 27AP104D5 S: 16 I: 1 Results: 27AP104D58290A
Acquired: 27-APR-10 22:53:50 Processed: 28-APR-10 10:32:05
Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.32 g

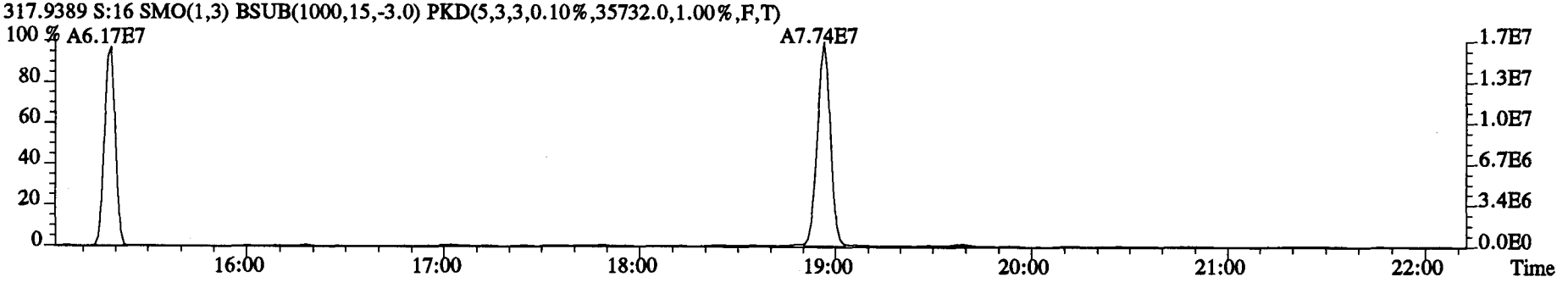
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	83509600	0.80	y	19:31	-	6.0824	-	-	n
13C-2,3,7,8-TCDF	138156800	0.79	y	18:56	1.52	105.4149	0.6426	54.4	n
2,3,7,8-TCDF	3460270000	0.79	y	18:58	0.95	5134.6487	4.9355	-	n
Total TCDF	21638455590	0.79	y	16:15	0.95	32109.0168	4.9355	-	n
13C-2,3,7,8-TCDD	117277800	0.80	y	19:43	0.95	143.2910	0.2589	73.9	n
2,3,7,8-TCDD	52487500	0.76	y	19:44	1.02	84.9487	1.2186	-	n
Total TCDD	1457755007	0.76	y	17:15	1.02	2359.3119	1.2186	-	n
37Cl-2,3,7,8-TCDD	133568200	1.00	y	19:44	2.26	68.5376	1.8116	88.4	n
13C-1,2,3,7,8-PeCDF	130706000	1.57	y	24:35	1.05	144.3962	1.3162	74.5	n
1,2,3,7,8-PeCDF	2704130000	1.54	y	24:36	1.04	3837.6639	13.0023	-	n
2,3,4,7,8-PeCDF	1428336000	1.54	y	26:06	0.98	2156.2912	13.8312	-	n
Total F2 PeCDF	18784053550	1.56	y	22:27	1.01	27429.5535	13.4039	-	n
Total F1 PeCDF	1393394658	0.54	n	19:31	1.01	2038.5674	1.1406	-	n
13C-1,2,3,7,8-PeCDD	86480000	1.56	y	26:53	0.67	149.6654	0.4758	77.2	n
1,2,3,7,8-PeCDD	123546400	1.60	y	26:56	0.98	281.9596	3.8815	-	n
Total PeCDD	1123844691	1.52	y	23:16	0.98	2564.8568	3.8815	-	n
13C-1,2,3,7,8,9-HxCDD	69809100	1.25	y	33:06	-	6.5829	-	-	n
13C-1,2,3,4,7,8-HxCDF	74388500	0.53	y	31:55	1.02	100.7508	1.6827	52.0	n
1,2,3,4,7,8-HxCDF	4162520000	1.20	y	31:56	1.21	8942.8641	215.3743	-	n
1,2,3,6,7,8-HxCDF	2804710000	1.21	y	32:03	1.34	5441.5787	194.4959	-	n
2,3,4,6,7,8-HxCDF	1526991000	1.22	y	32:33	1.22	3254.7109	213.6729	-	n
1,2,3,7,8,9-HxCDF	1199454000	1.22	y	33:20	1.09	2860.3595	239.0620	-	n
Total HxCDF	18268264000	1.20	y	30:33	1.22	38846.9692	214.5044	-	n
13C-1,2,3,6,7,8-HxCDD	69936600	1.25	y	32:49	0.81	120.2826	1.0114	62.1	n
1,2,3,4,7,8-HxCDD	63461440	1.47	n	32:45	1.01	174.6756	5.4930	-	n
1,2,3,6,7,8-HxCDD	153118000	1.18	y	32:50	1.11	380.9087	4.9646	-	n
1,2,3,7,8,9-HxCDD	139965300	1.26	y	33:06	1.21	320.7964	4.5740	-	n
Total HxCDD	931377410	1.24	y	31:23	1.11	2311.5528	4.9825	-	n
13C-1,2,3,4,6,7,8-HpCDF	44896400	0.46	y	34:36	0.86	72.2462	1.8854	37.3	n
1,2,3,4,6,7,8-HpCDF	5627820000	0.97	y	34:37	1.31	18548.7291	5.1782	-	n
1,2,3,4,7,8,9-HpCDF	2607090000	0.97	y	35:44	1.03	10972.4164	6.6123	-	n
Total HpCDF	11865371300	0.97	y	34:37	1.17	42942.1636	5.8080	-	n
13C-1,2,3,4,6,7,8-HpCDD	40860500	1.07	y	35:24	0.70	81.3150	1.0244	42.0	n
1,2,3,4,6,7,8-HpCDD	311437000	1.03	y	35:25	1.07	1378.1020	2.8775	-	n
Total HpCDD	464392899	0.17	n	34:29	1.07	2054.9285	2.8775	-	n
13C-OCDD	52697400	0.92	y	37:55	0.53	137.6533	0.8624	35.5	n
OCDF	10098150000	0.89	y	38:02	1.45	51387.6352	1.9534	-	n
OCDD	249711000	0.91	y	37:56	1.17	1574.8419	4.7534	-	n

File:27AP104D5 #1-434 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

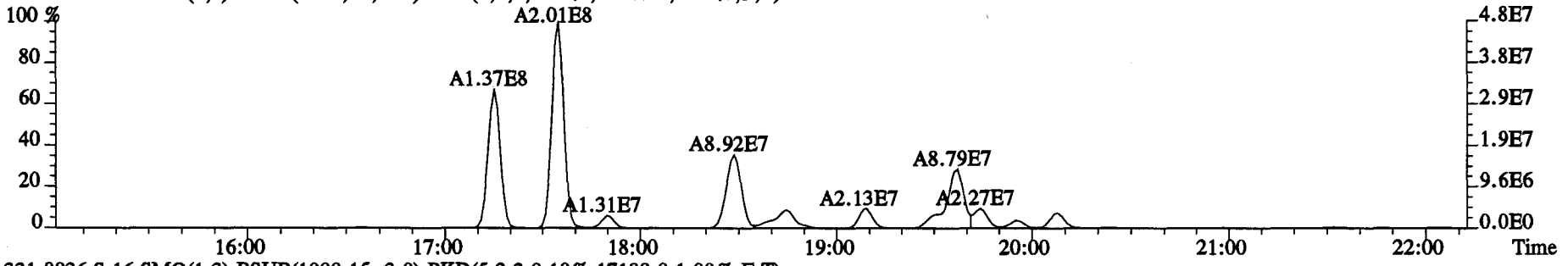




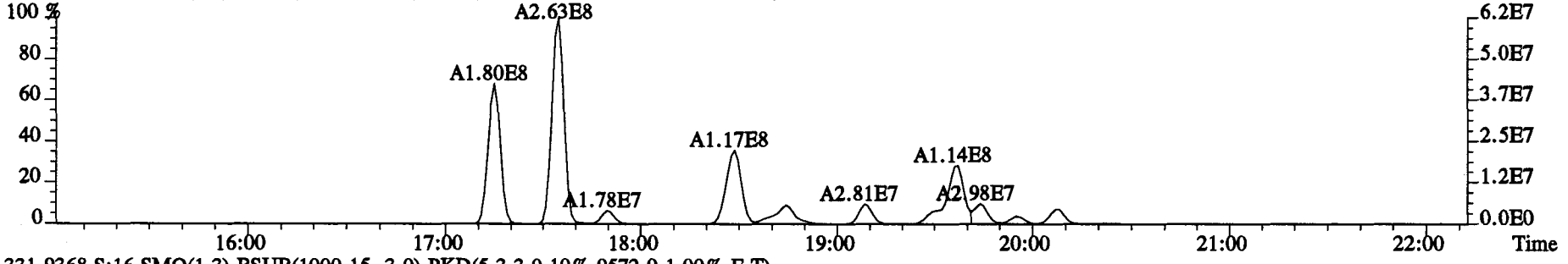




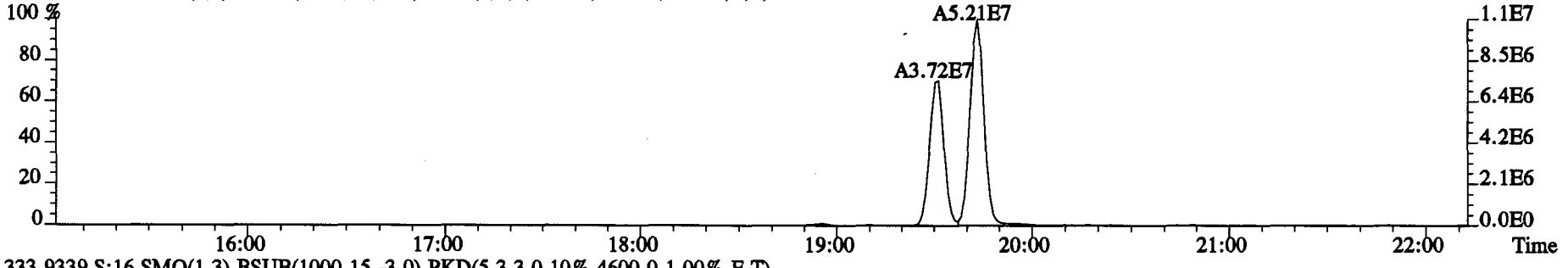
File:27AP104D5 #1-434 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33812.0,1.00%,F,T)



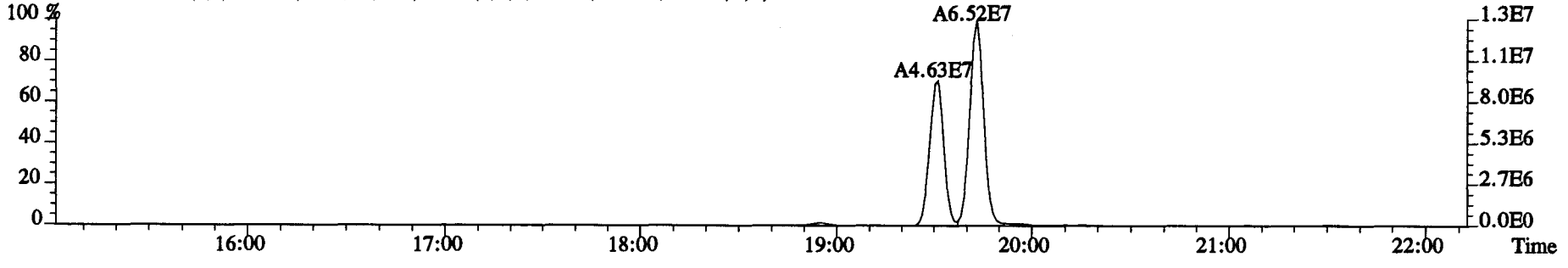
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17188.0,1.00%,F,T)



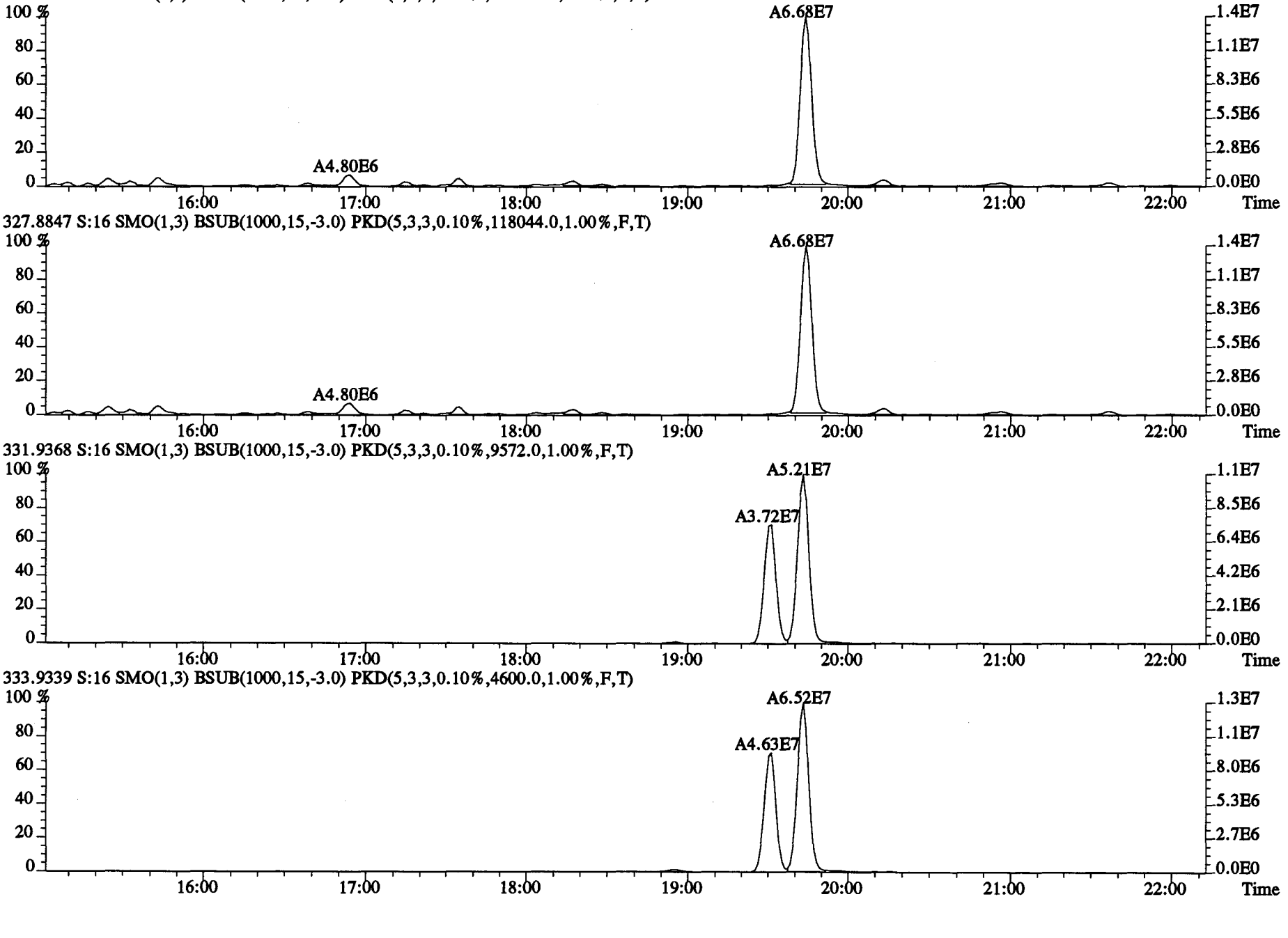
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9572.0,1.00%,F,T)



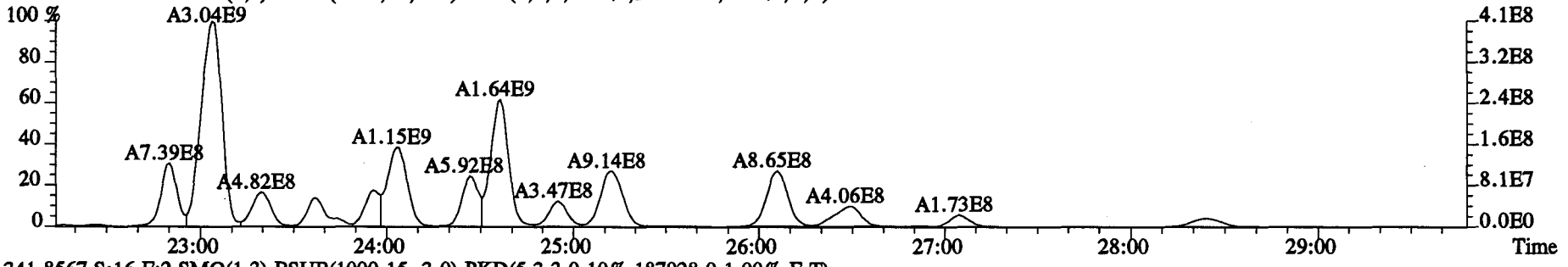
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4600.0,1.00%,F,T)

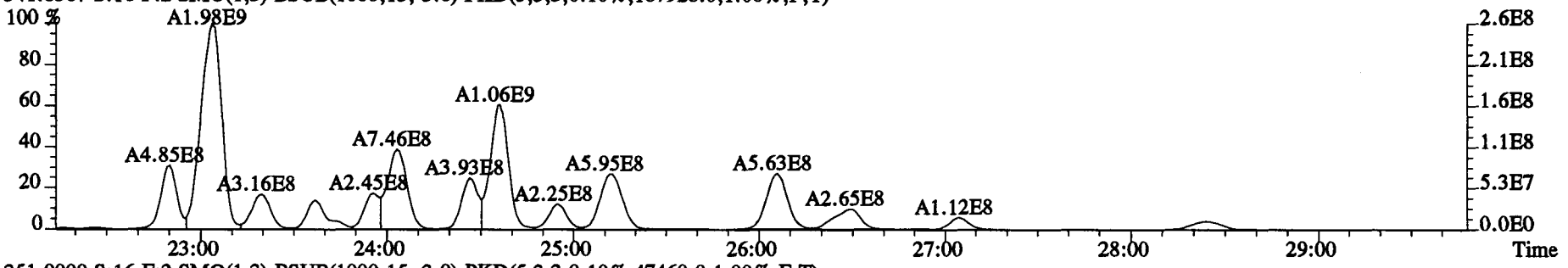


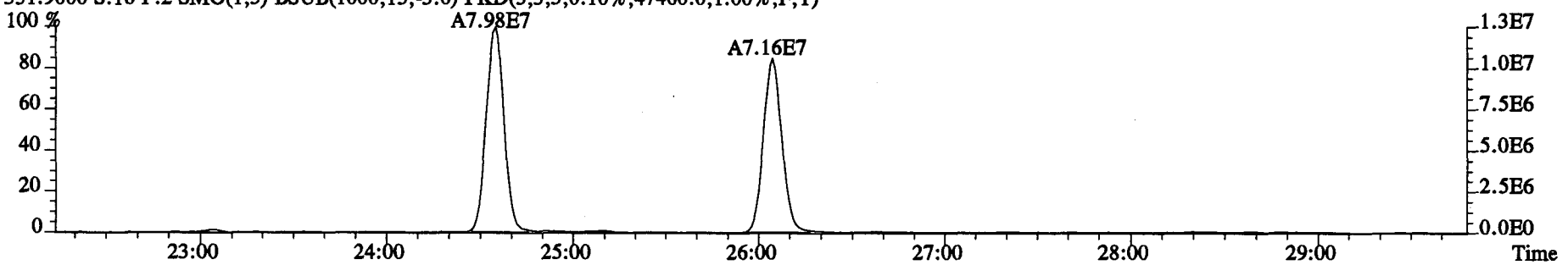
File:27AP104D5 #1-434 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

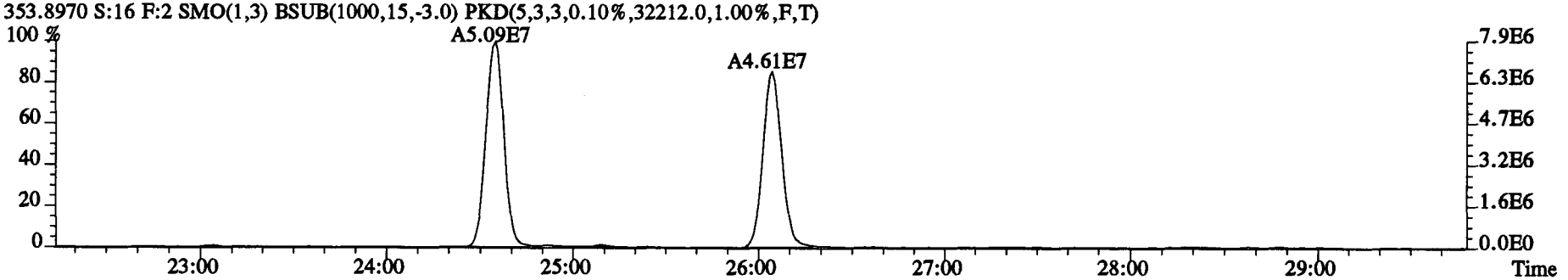


File:27AP104D5 #1-604 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

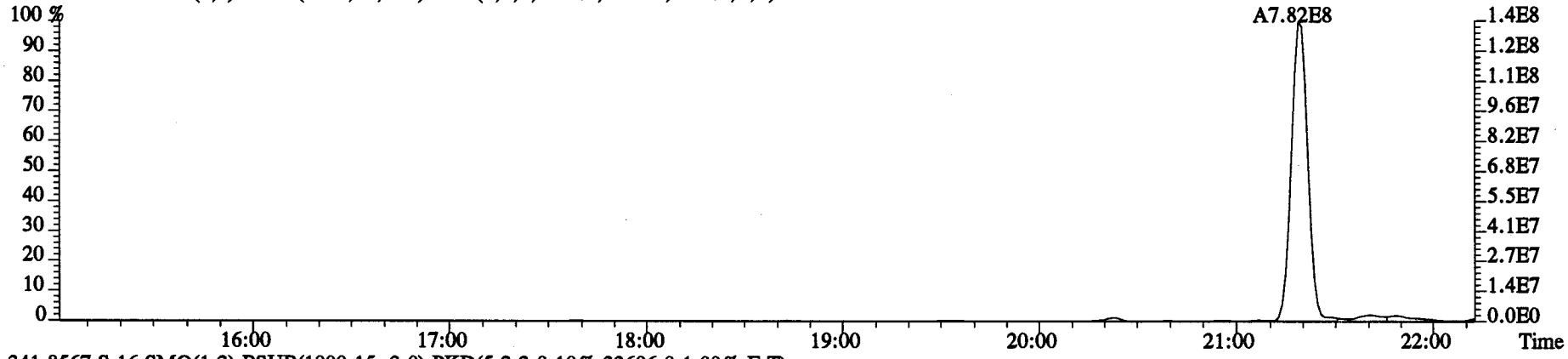




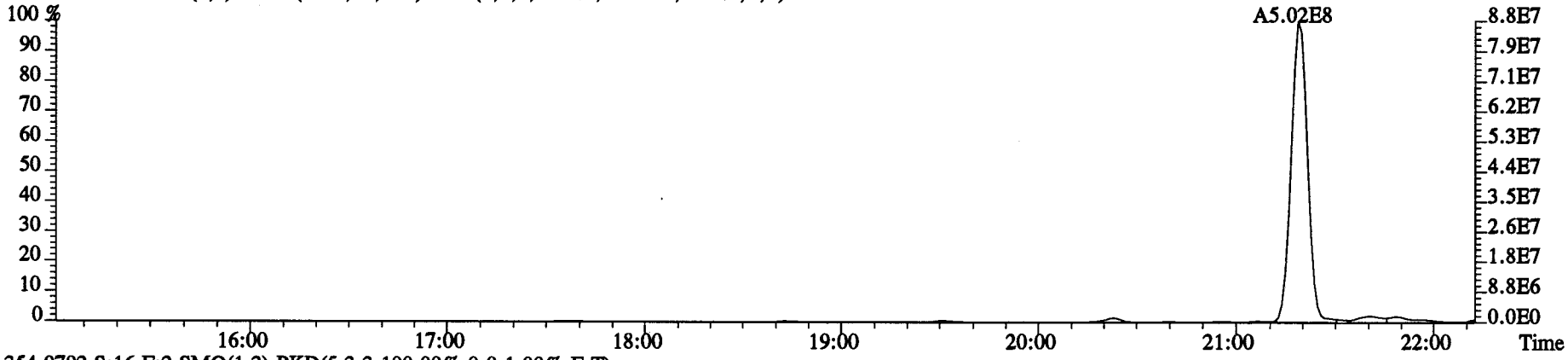




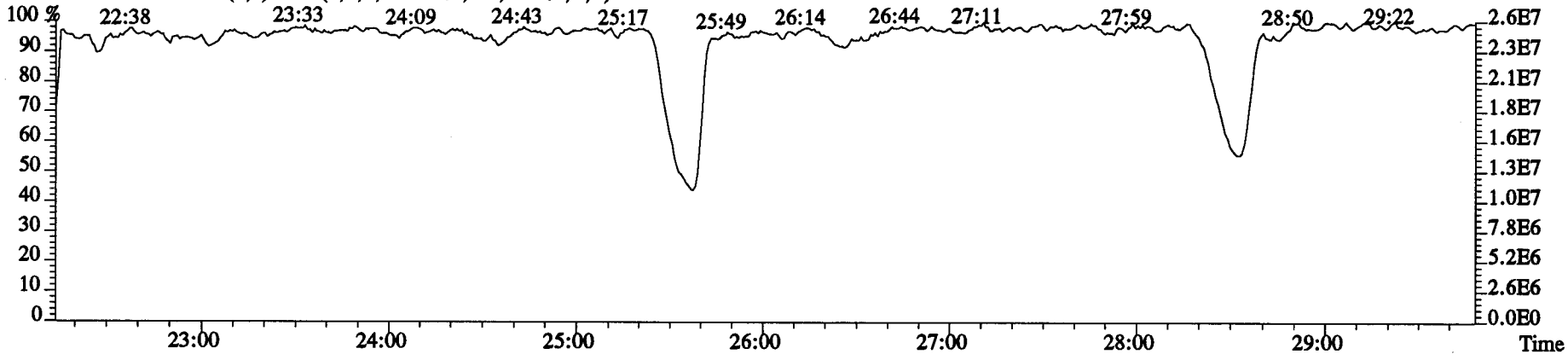
File:27AP104D5 #1-434 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A
339.8597 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6724.0,1.00%,F,T)



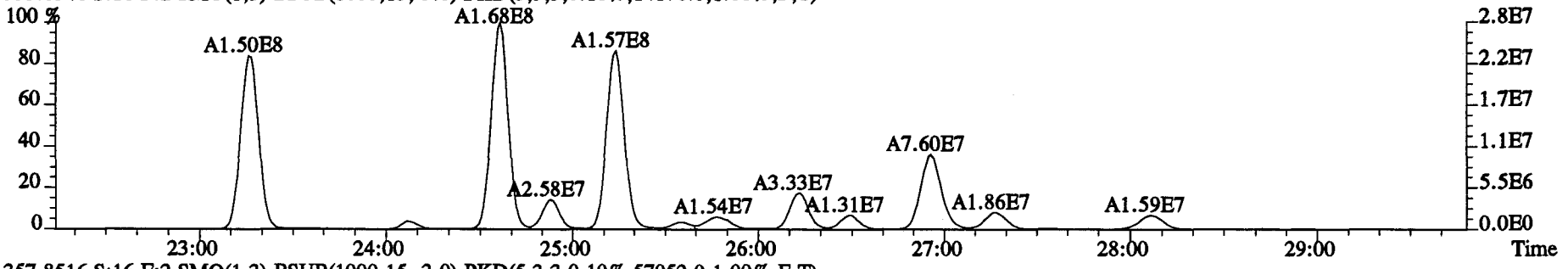
341.8567 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33696.0,1.00%,F,T)

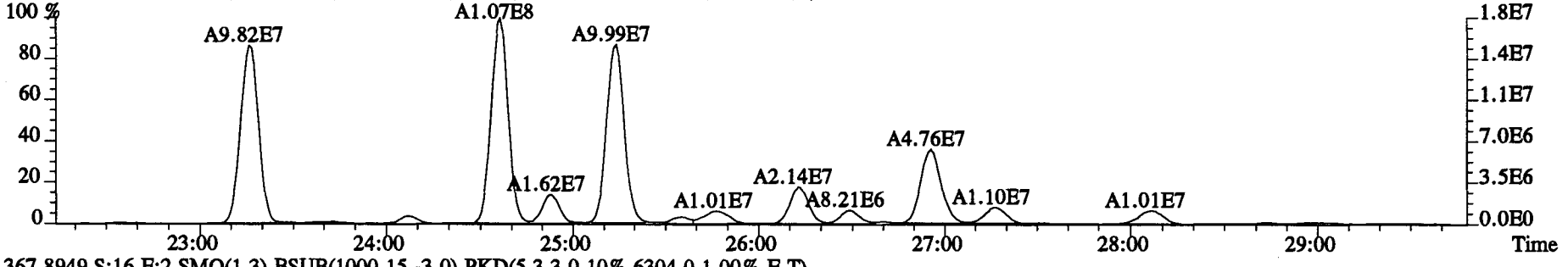


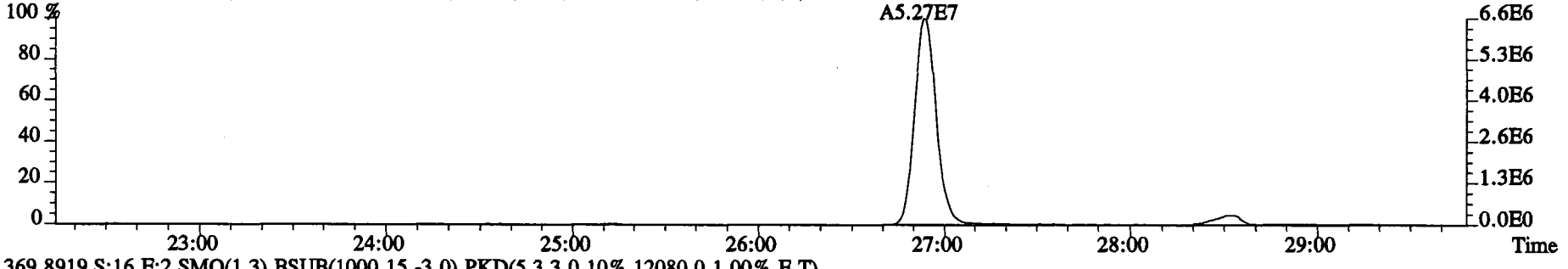
354.9792 S:16 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

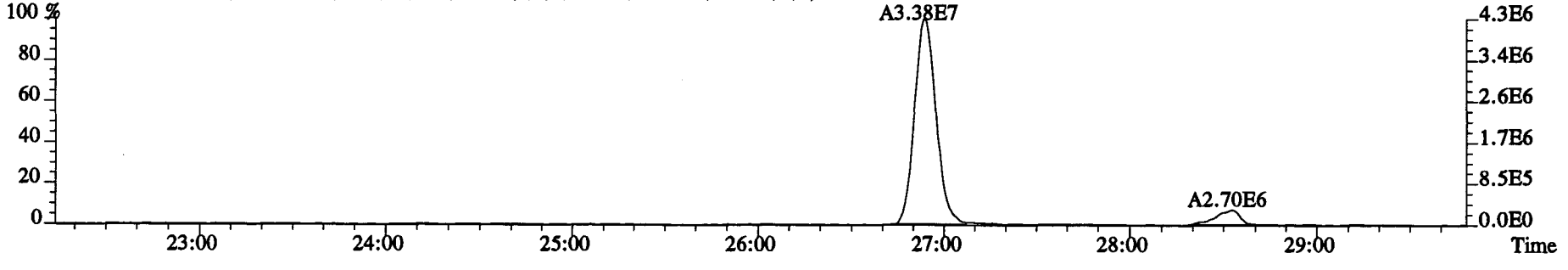


File:27AP104D5 #1-604 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

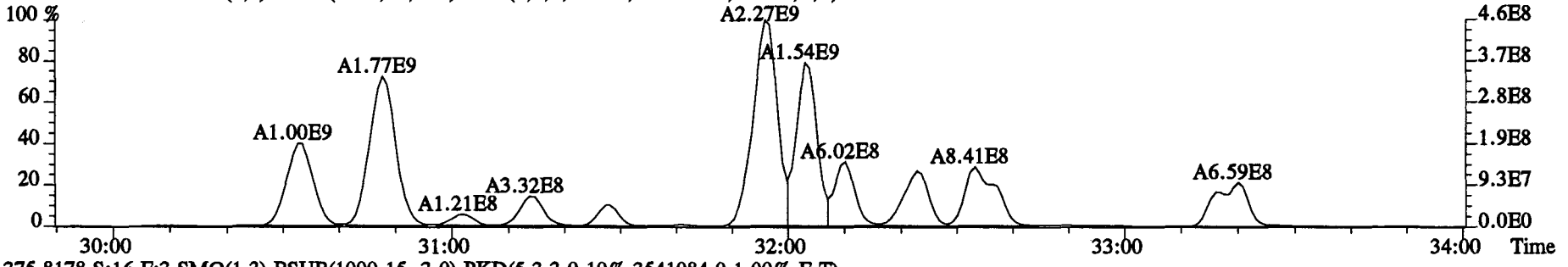


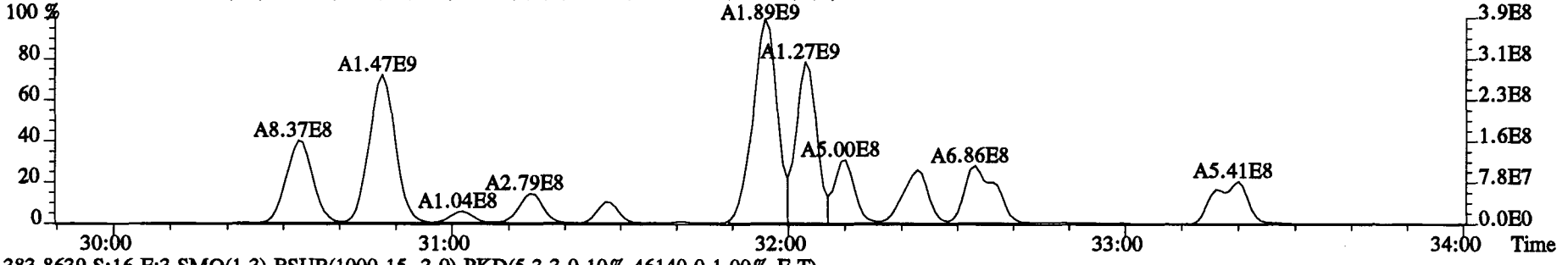


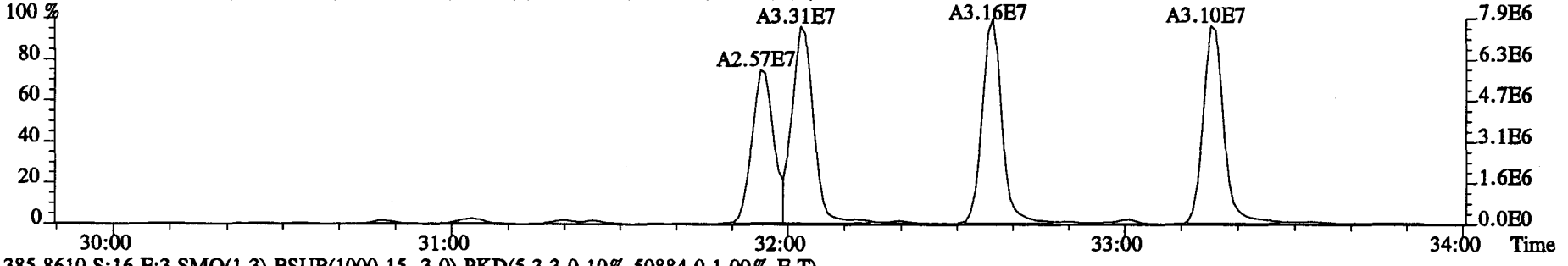


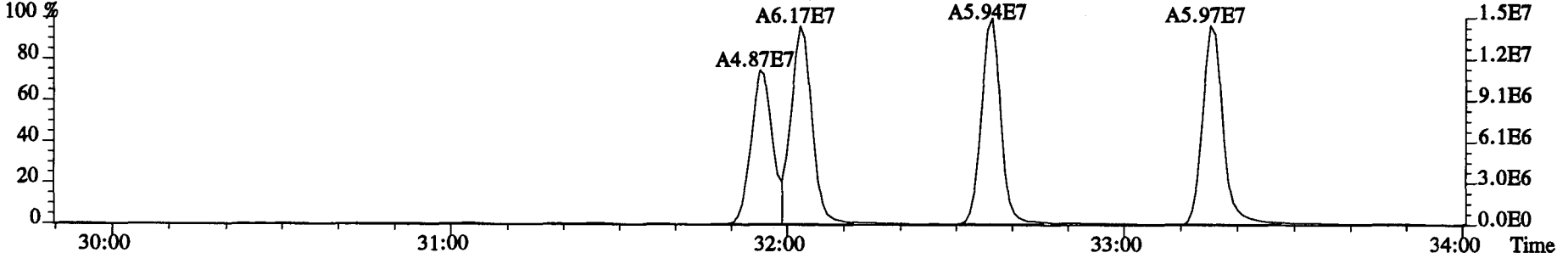


File:27AP104D5 #1-317 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

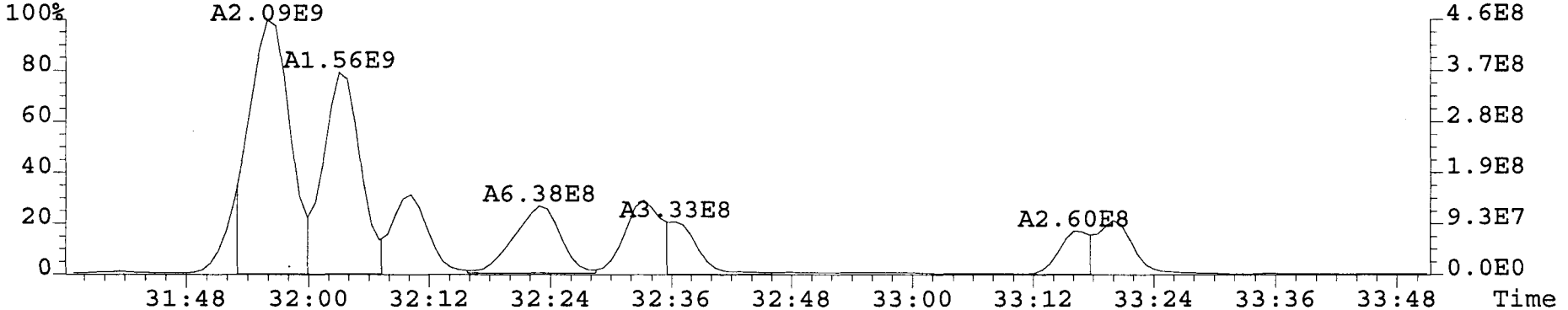




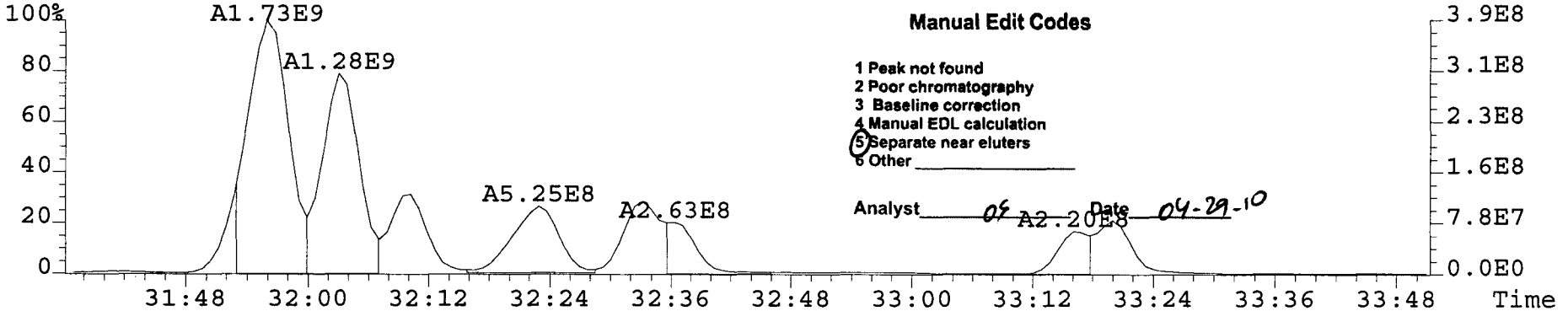




File:27AP104D5 #1-317 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4135816.0,1.00%,F,T)



375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3541084.0,1.00%,F,T)

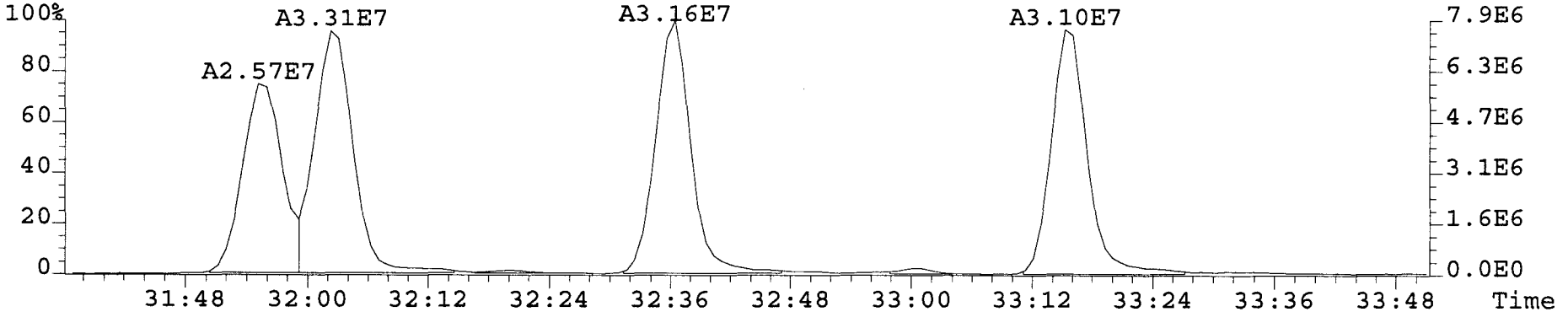


Manual Edit Codes

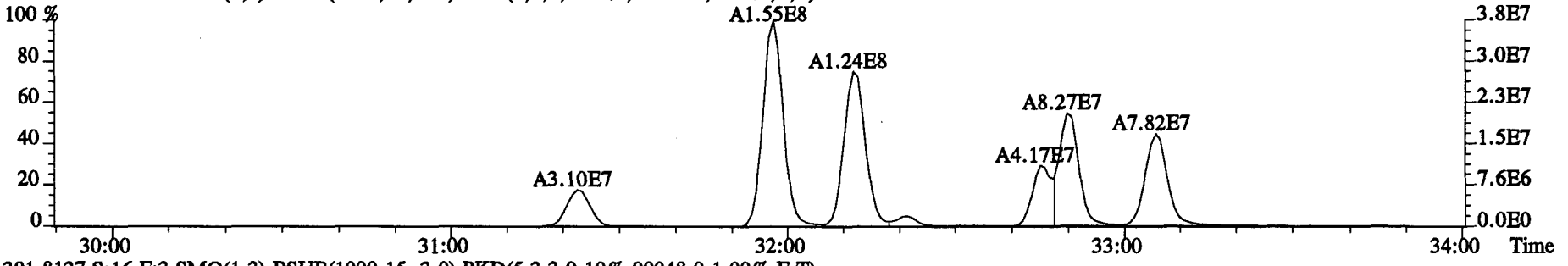
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

Analyst DS Date 04-29-10

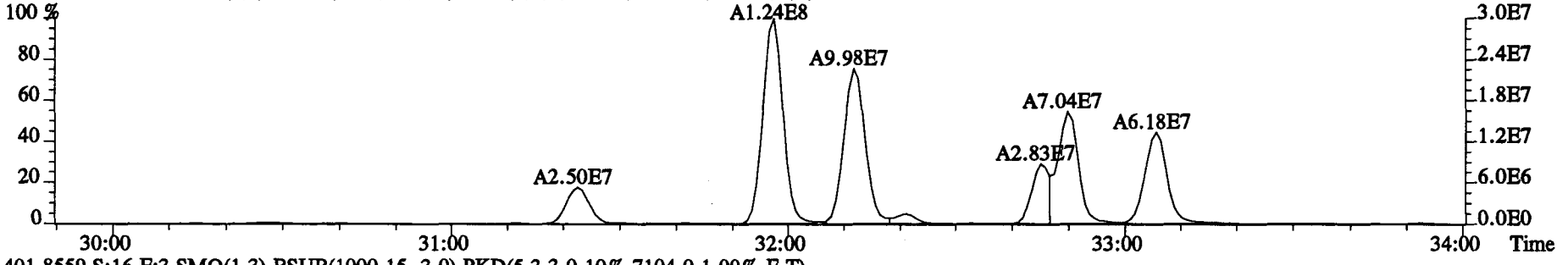
383.8639 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,46140.0,1.00%,F,T)



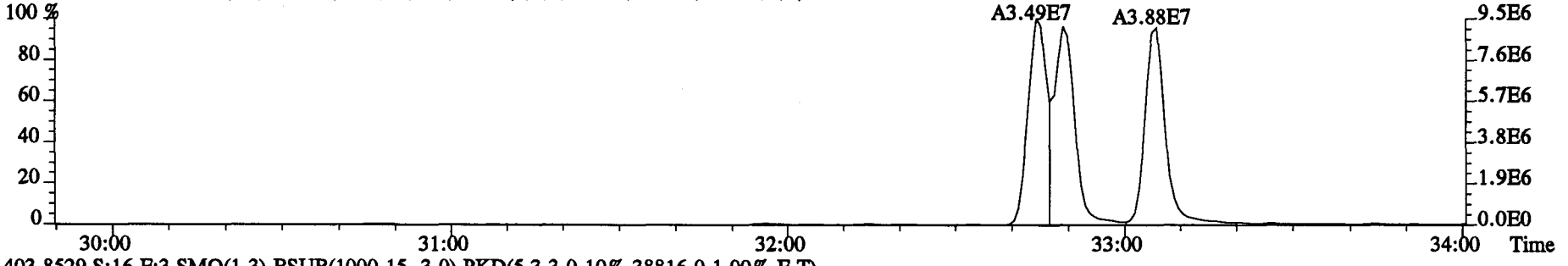
File:27AP104D5 #1-317 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A
389.8157 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,58560.0,1.00%,F,T)



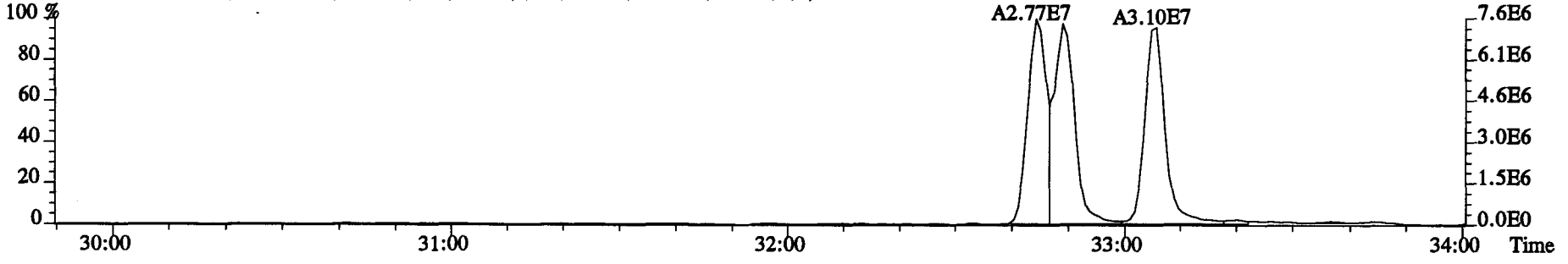
391.8127 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99048.0,1.00%,F,T)



401.8559 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7104.0,1.00%,F,T)

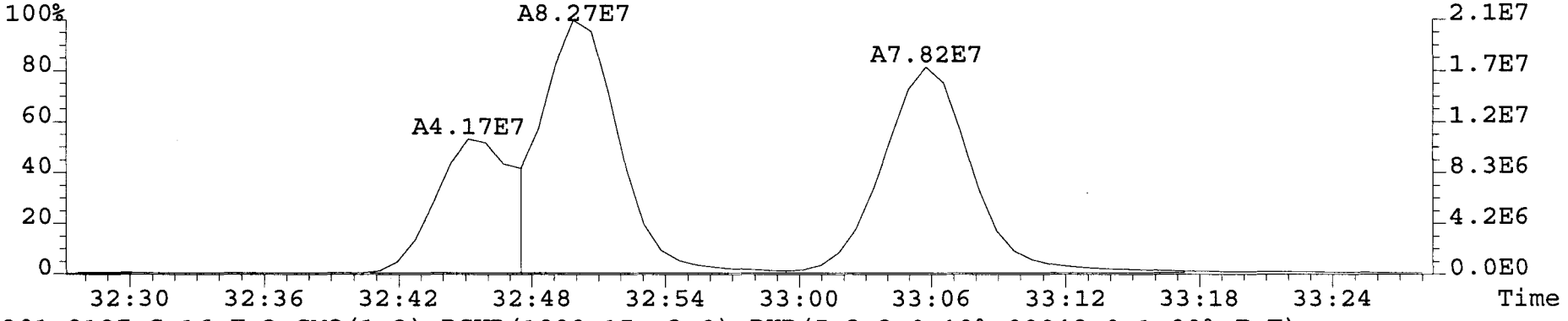


403.8529 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38816.0,1.00%,F,T)

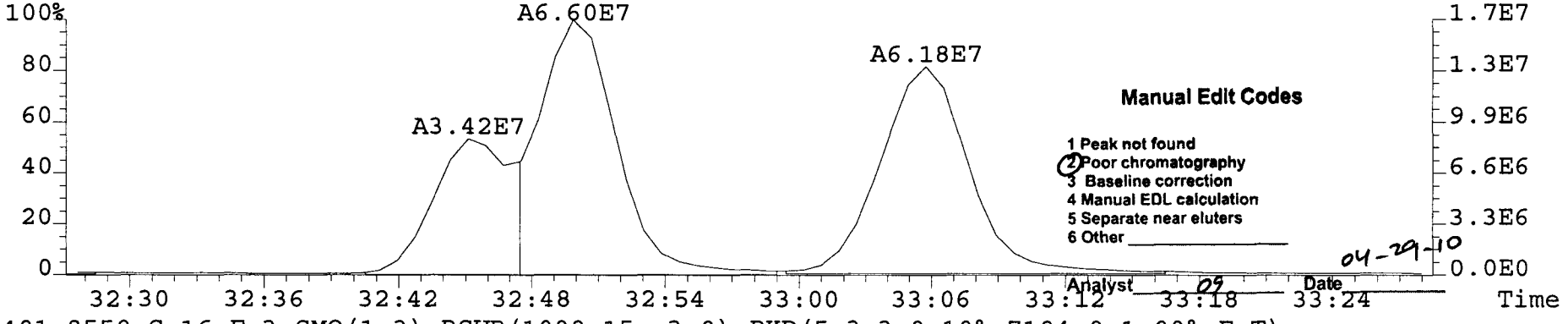


File:27AP104D5 #1-317 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

389.8157 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,58560.0,1.00%,F,T)



391.8127 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99048.0,1.00%,F,T)

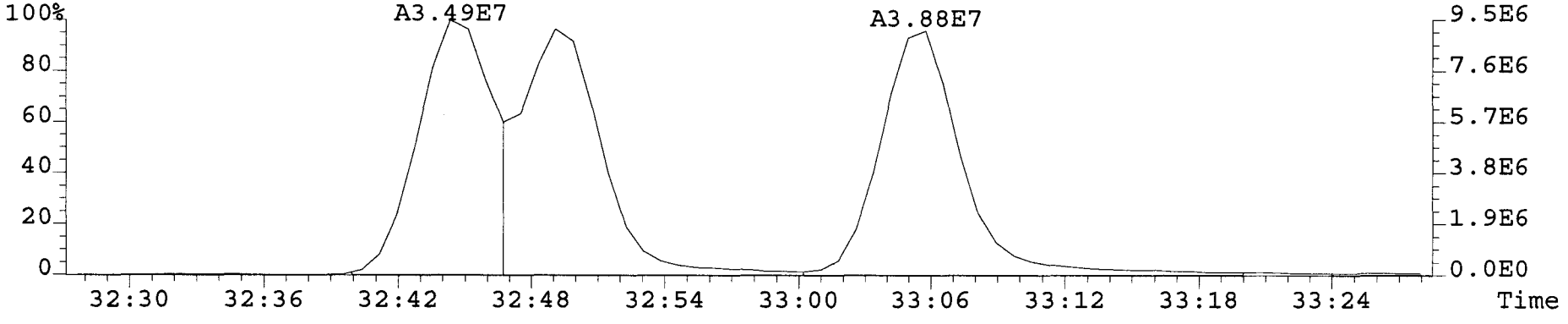


Manual Edit Codes

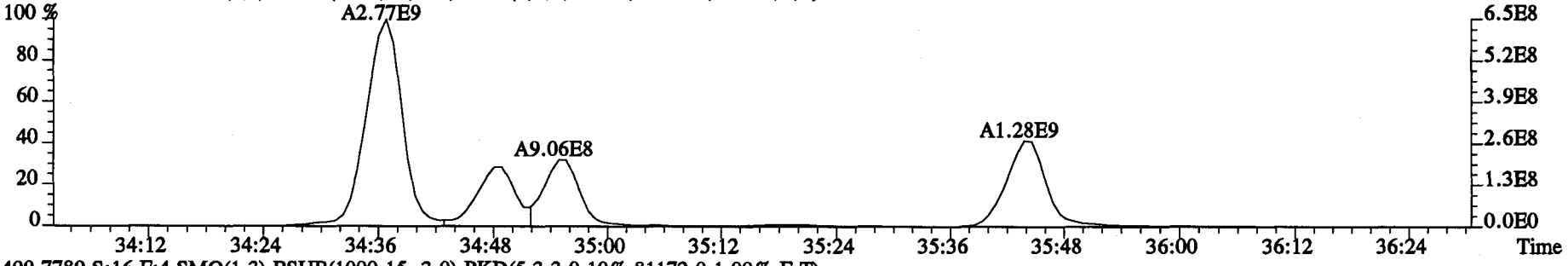
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst DS Date 04-29-10

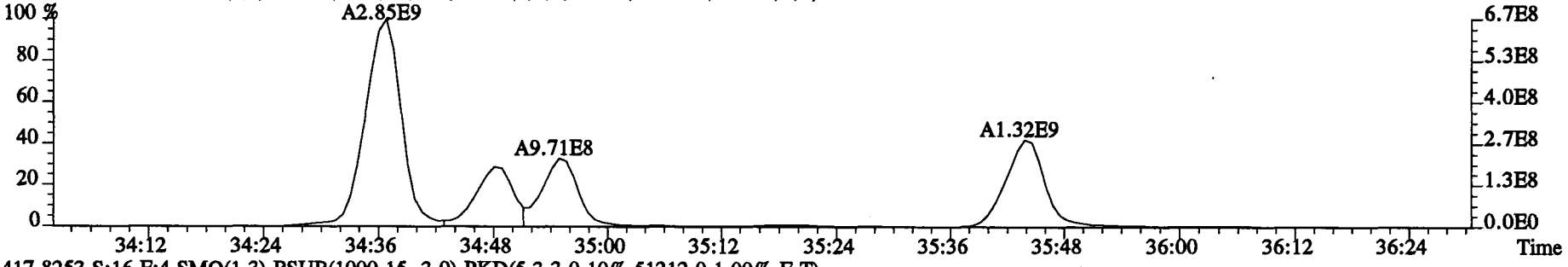
401.8559 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7104.0,1.00%,F,T)



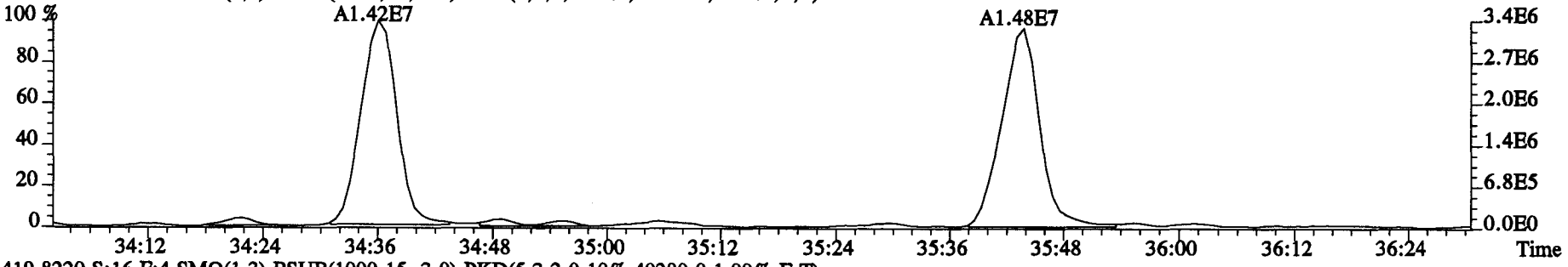
File:27AP104D5 #1-198 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A
407.7818 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43608.0,1.00%,F,T)



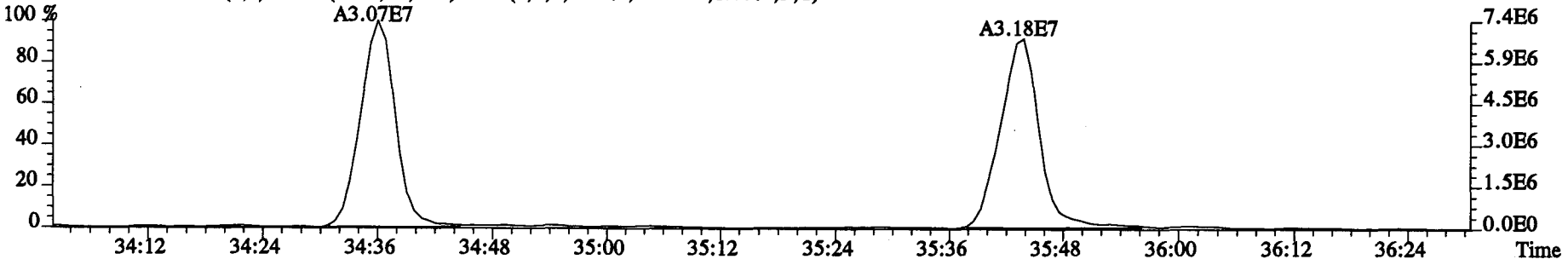
409.7789 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,81172.0,1.00%,F,T)



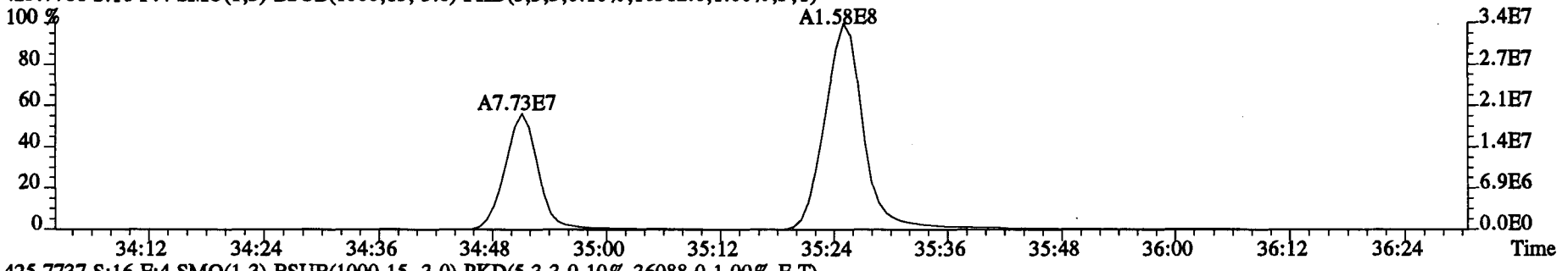
417.8253 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,51212.0,1.00%,F,T)

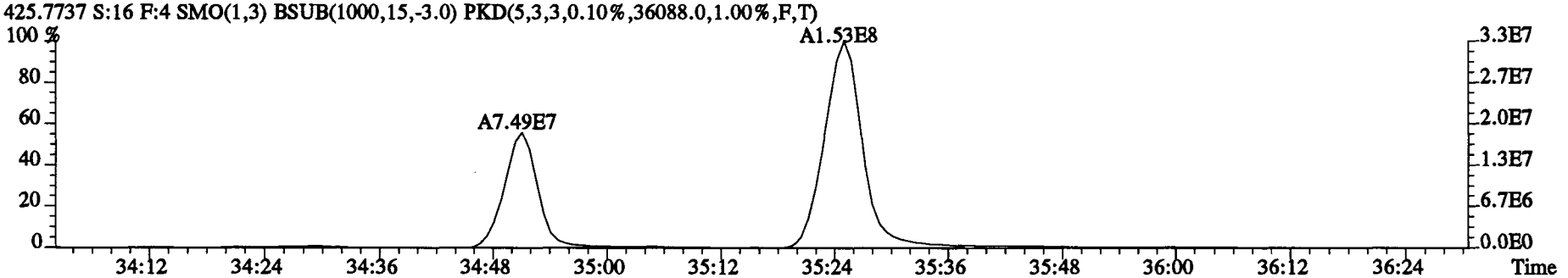


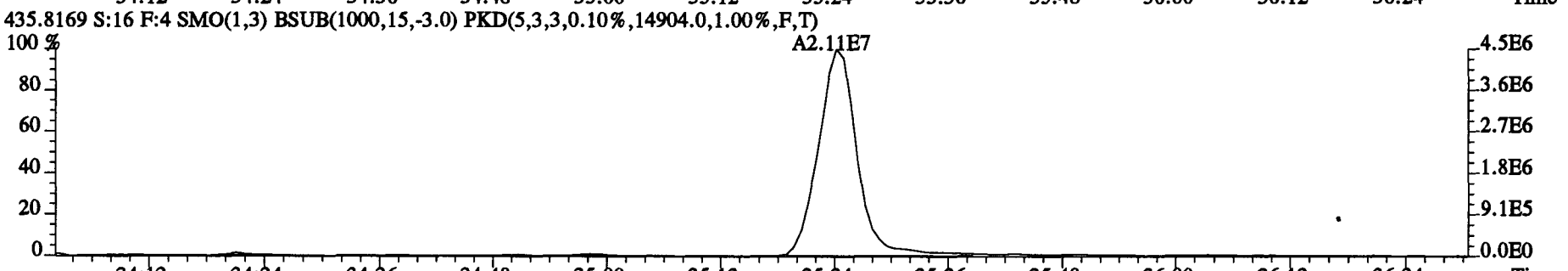
419.8220 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40280.0,1.00%,F,T)

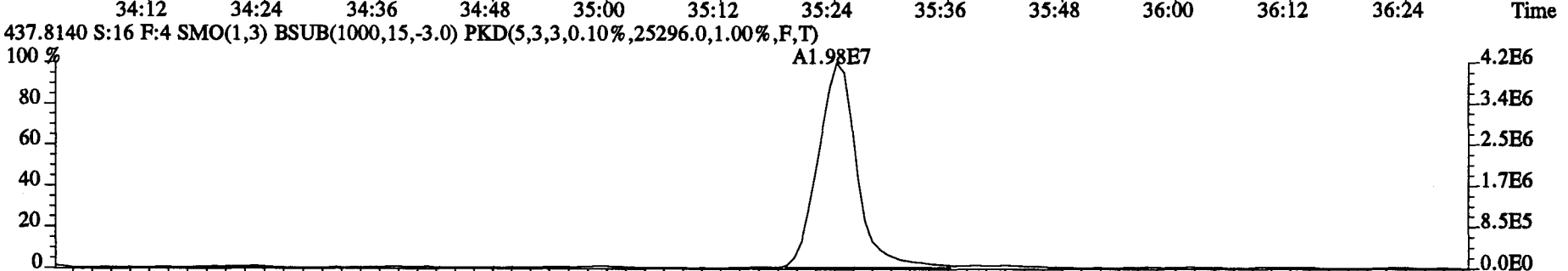


File:27AP104D5 #1-198 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

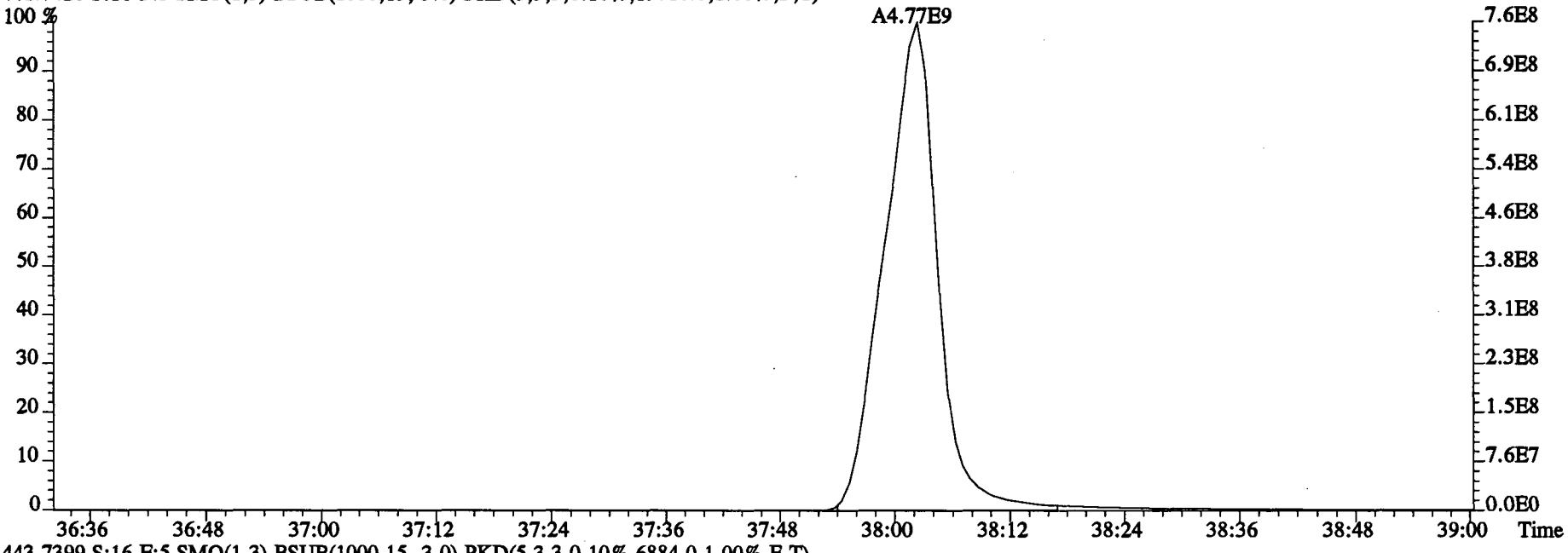




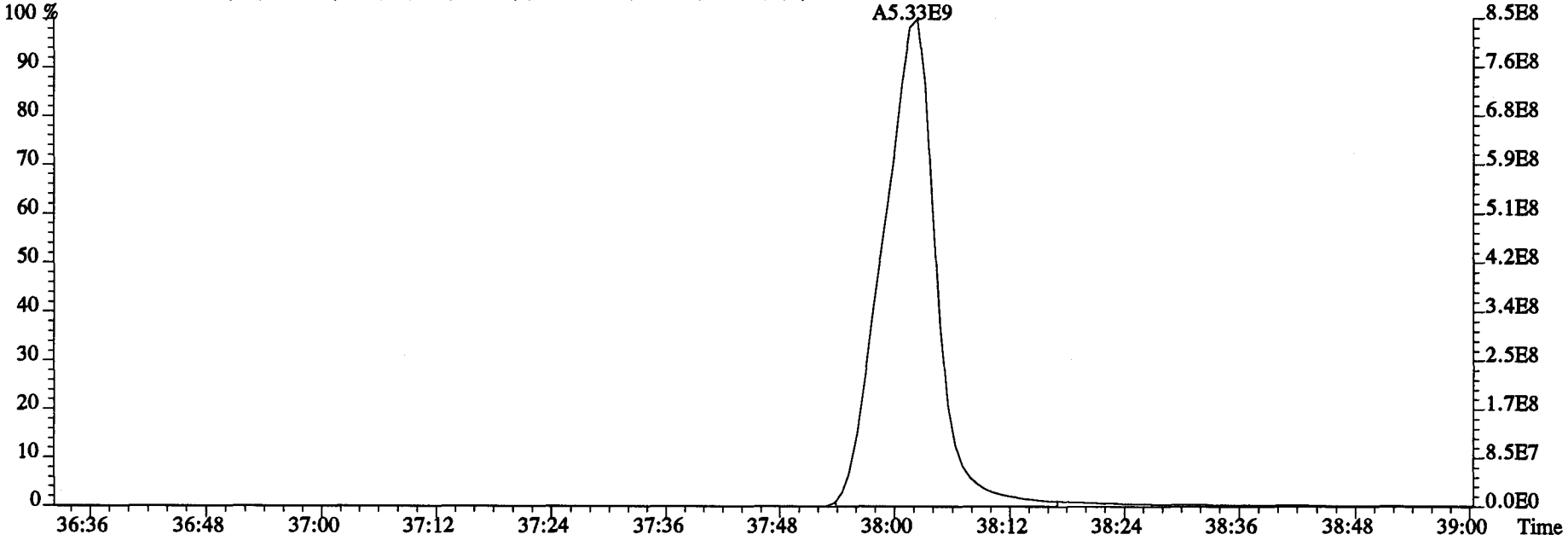




File:27AP104D5 #1-190 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A
441.7428 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13716.0,1.00%,F,T)

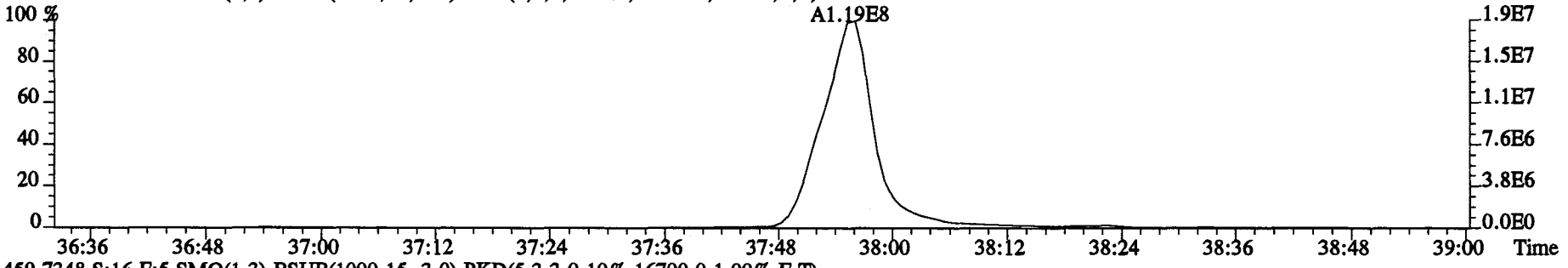


443.7399 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6884.0,1.00%,F,T)

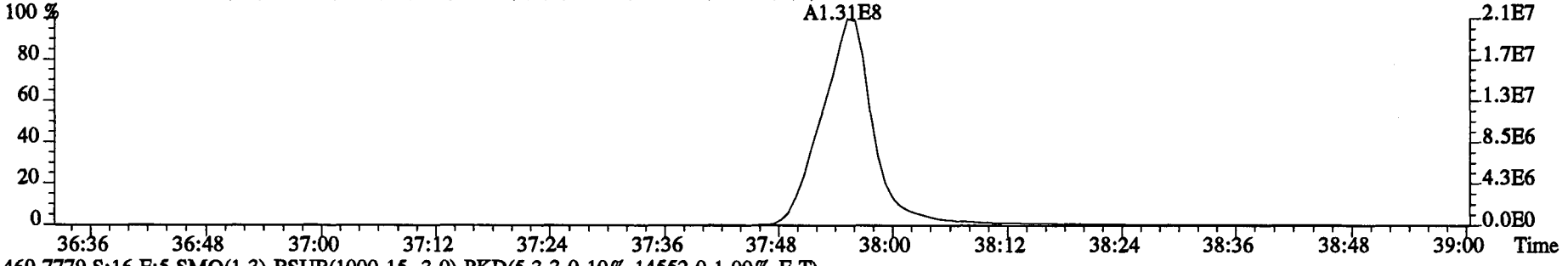


File:27AP104D5 #1-190 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

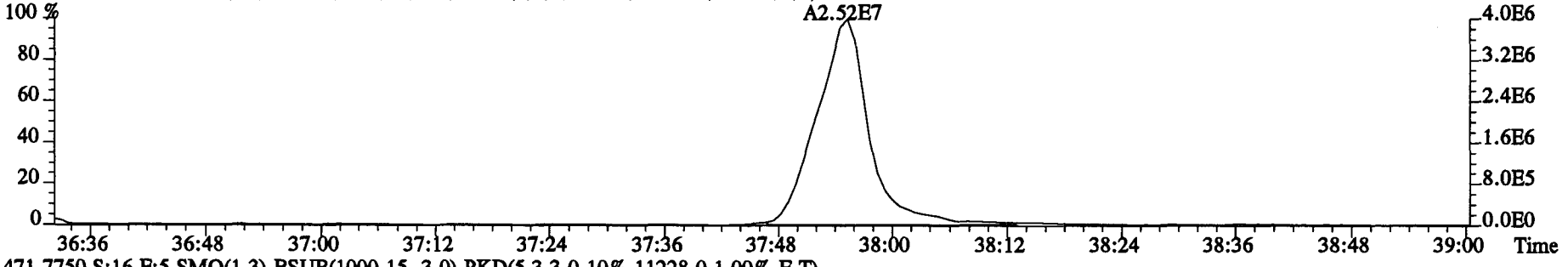
457.7377 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23748.0,1.00%,F,T)



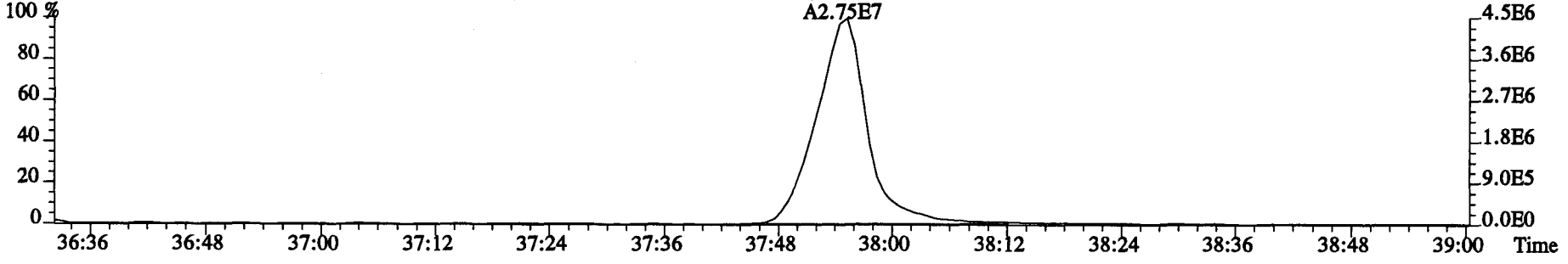
459.7348 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16700.0,1.00%,F,T)



469.7779 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14552.0,1.00%,F,T)

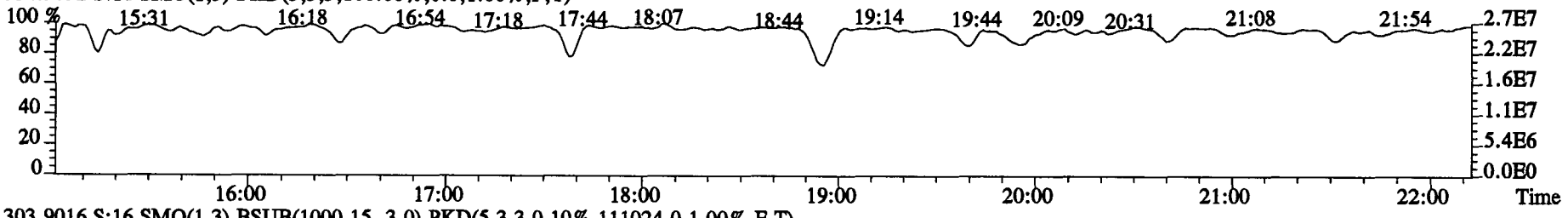


471.7750 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11228.0,1.00%,F,T)

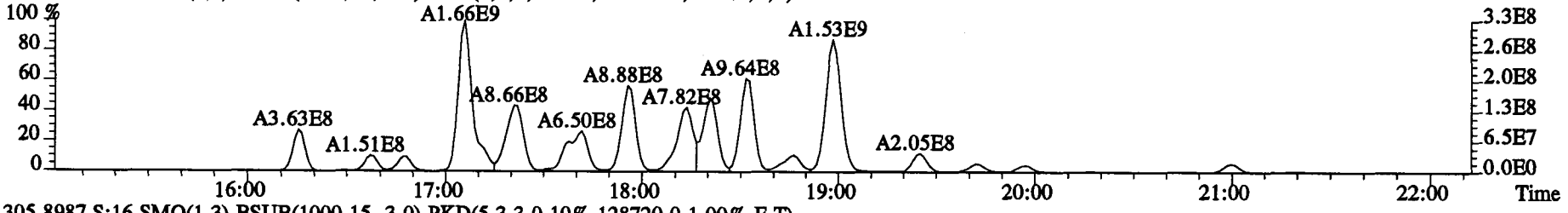


File:27AP104D5 #1-434 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

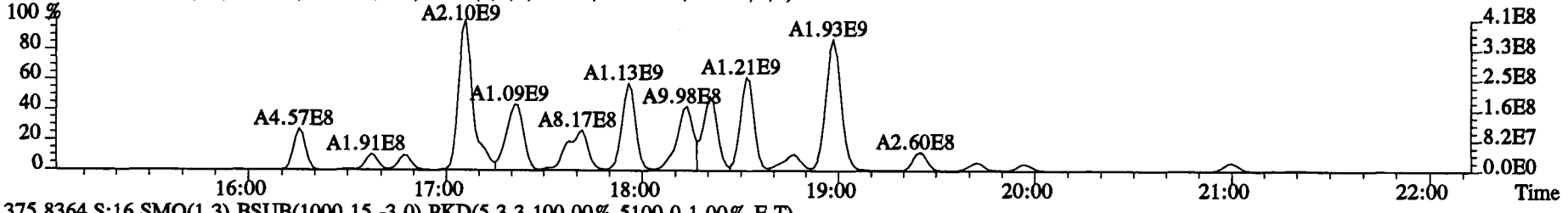
354.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



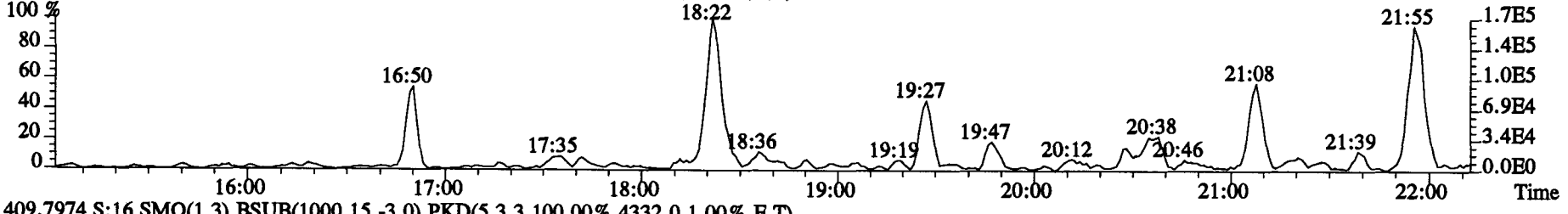
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,111024.0,1.00%,F,T)



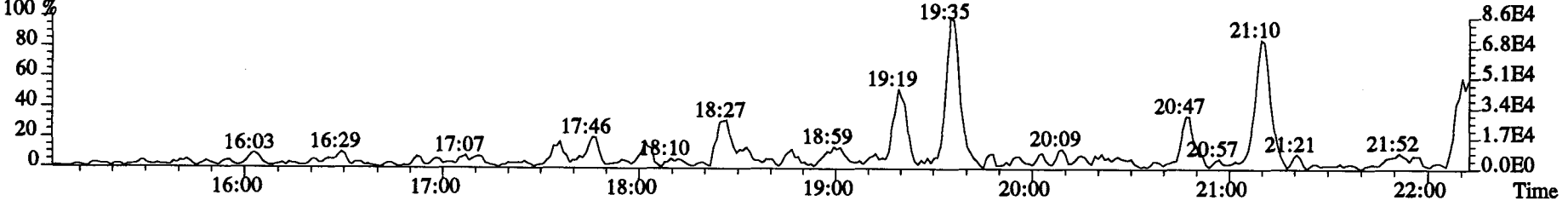
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128720.0,1.00%,F,T)



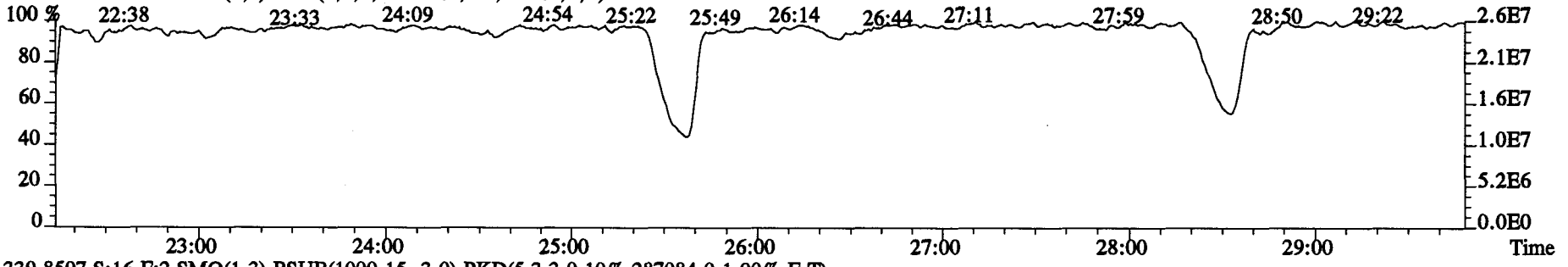
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,5100.0,1.00%,F,T)



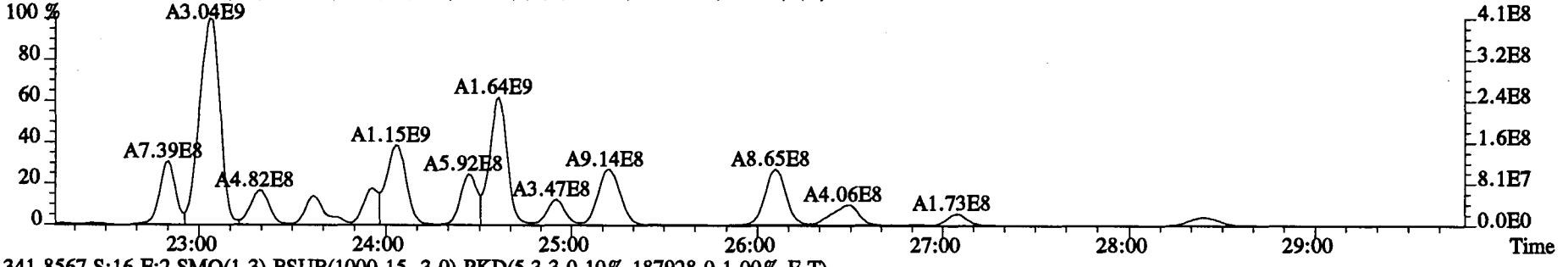
409.7974 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4332.0,1.00%,F,T)



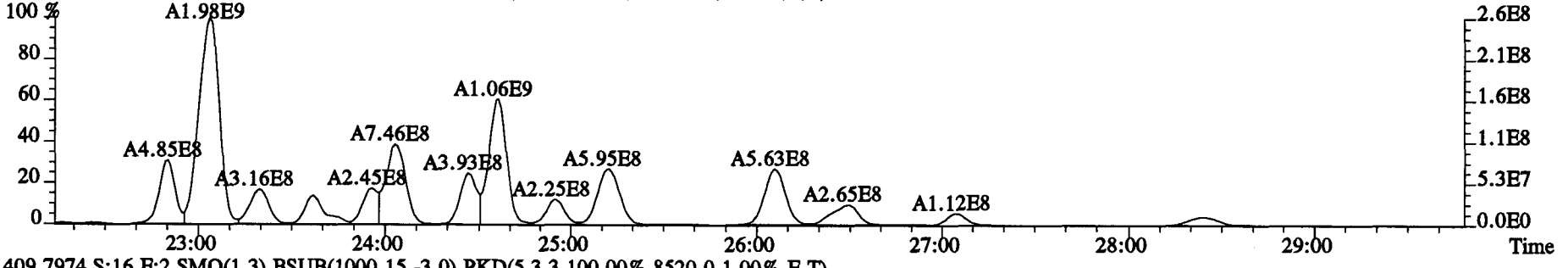
File:27AP104D5 #1-604 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A
354.9792 S:16 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



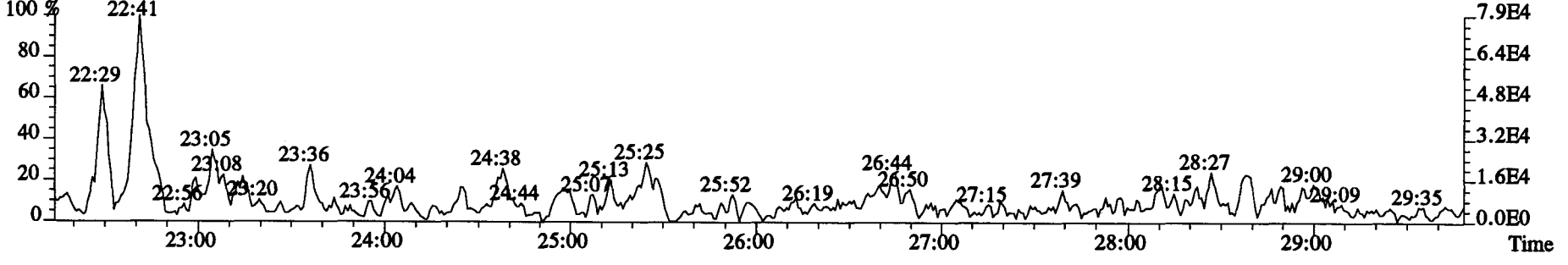
339.8597 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,287084.0,1.00%,F,T)



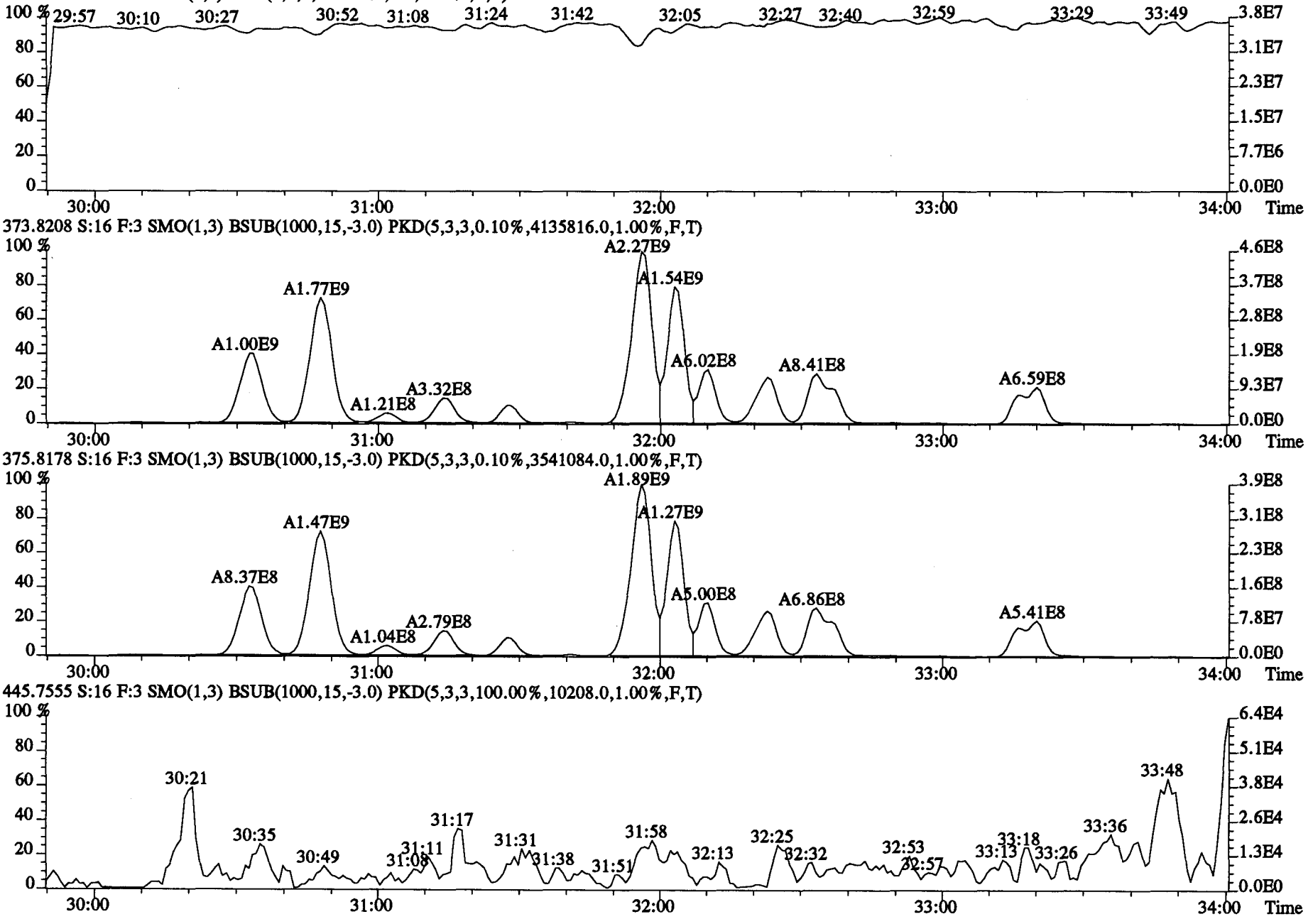
341.8567 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,187928.0,1.00%,F,T)



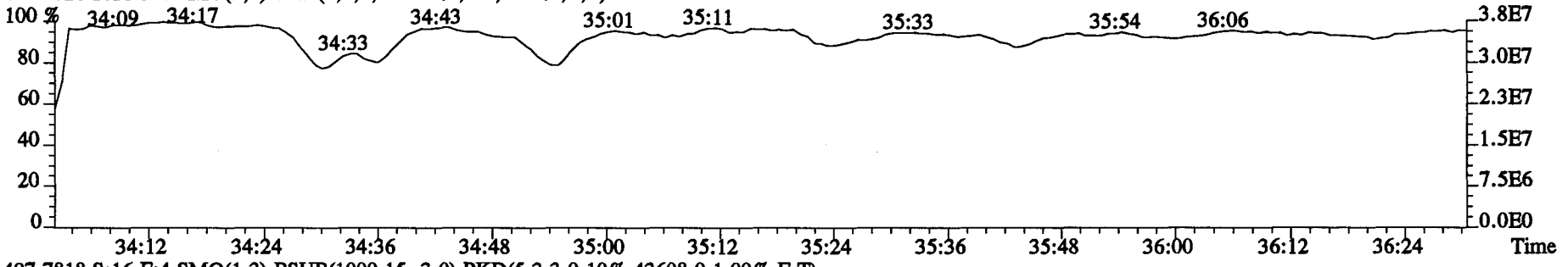
409.7974 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,8520.0,1.00%,F,T)

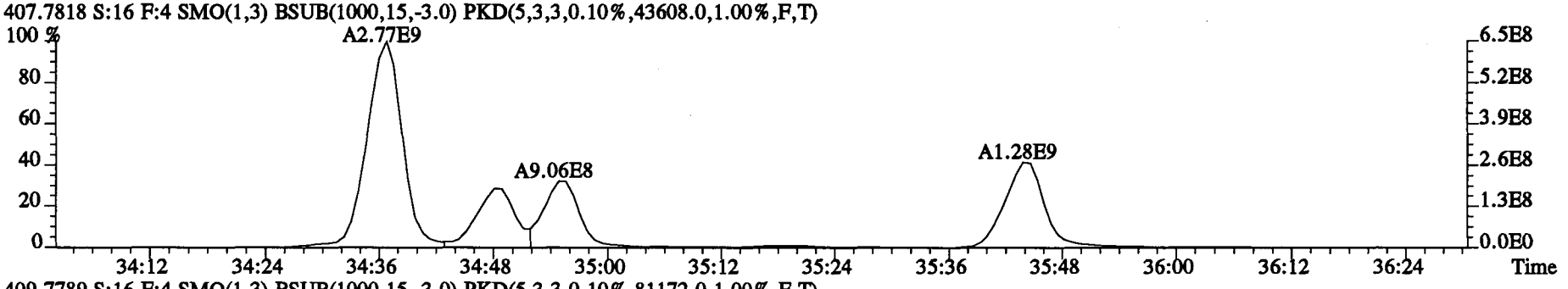


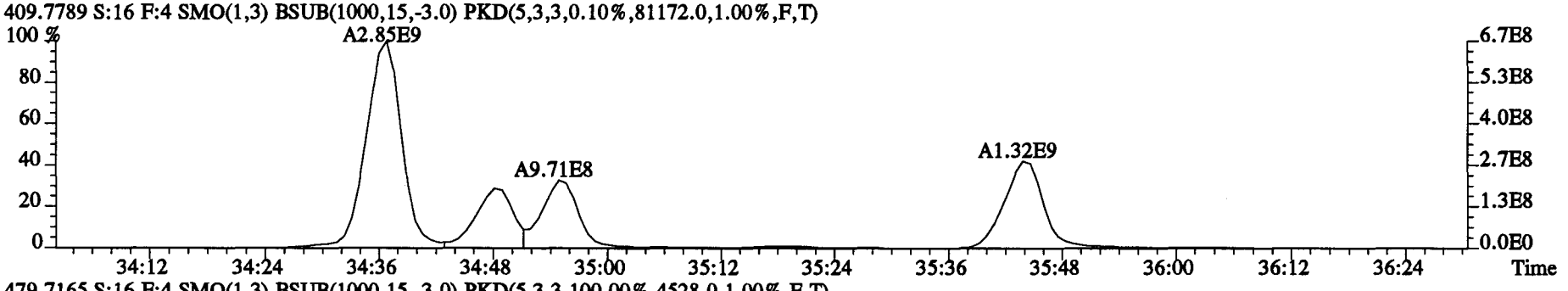
File:27AP104D5 #1-317 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

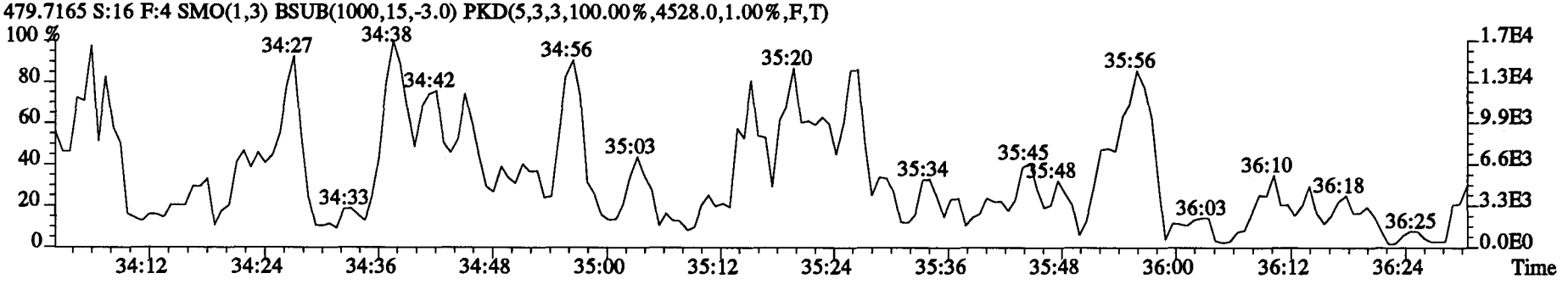


File:27AP104D5 #1-198 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

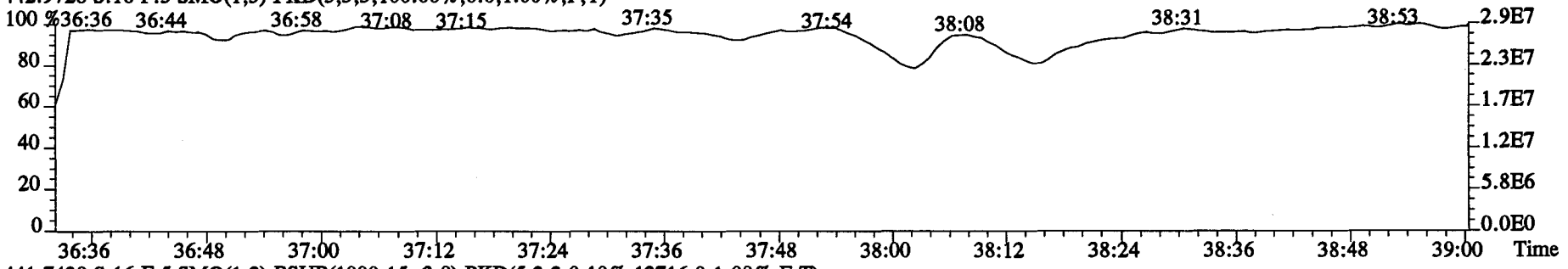


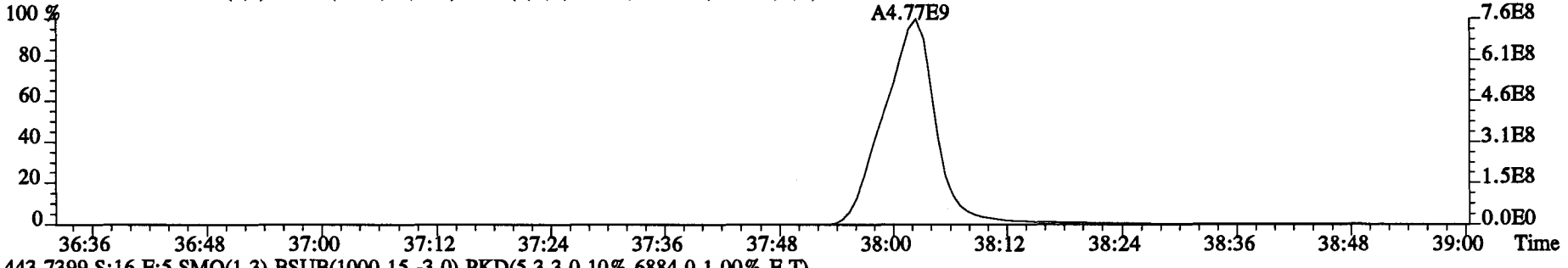


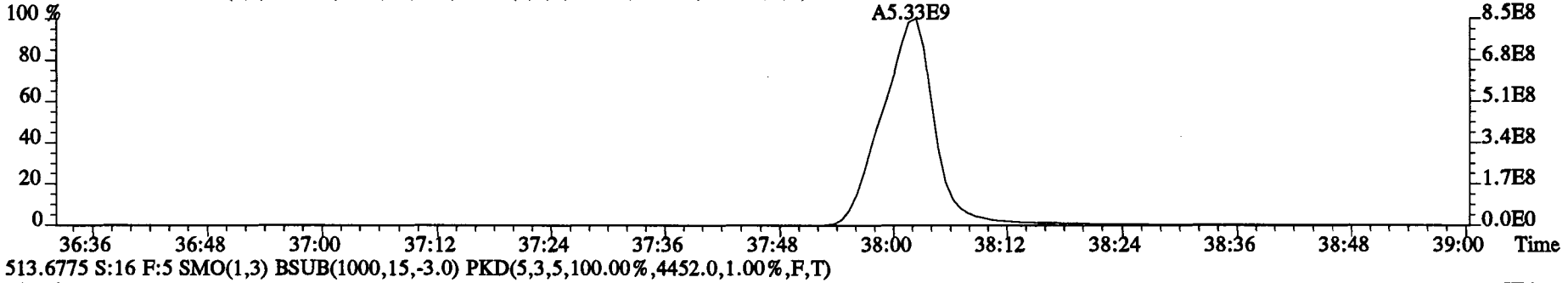


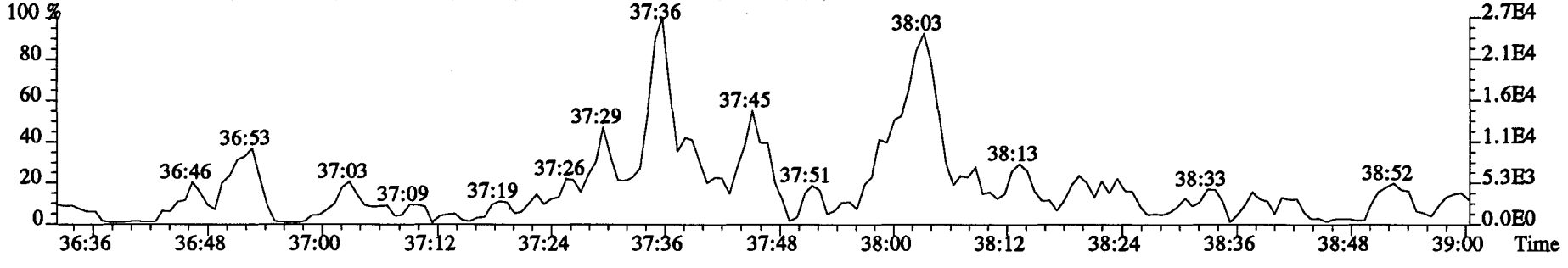


File:27AP104D5 #1-190 Acq:27-APR-2010 22:53:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:LXXTC-1-AD :G0D140435-2 Exp:DIOXINRES8290A

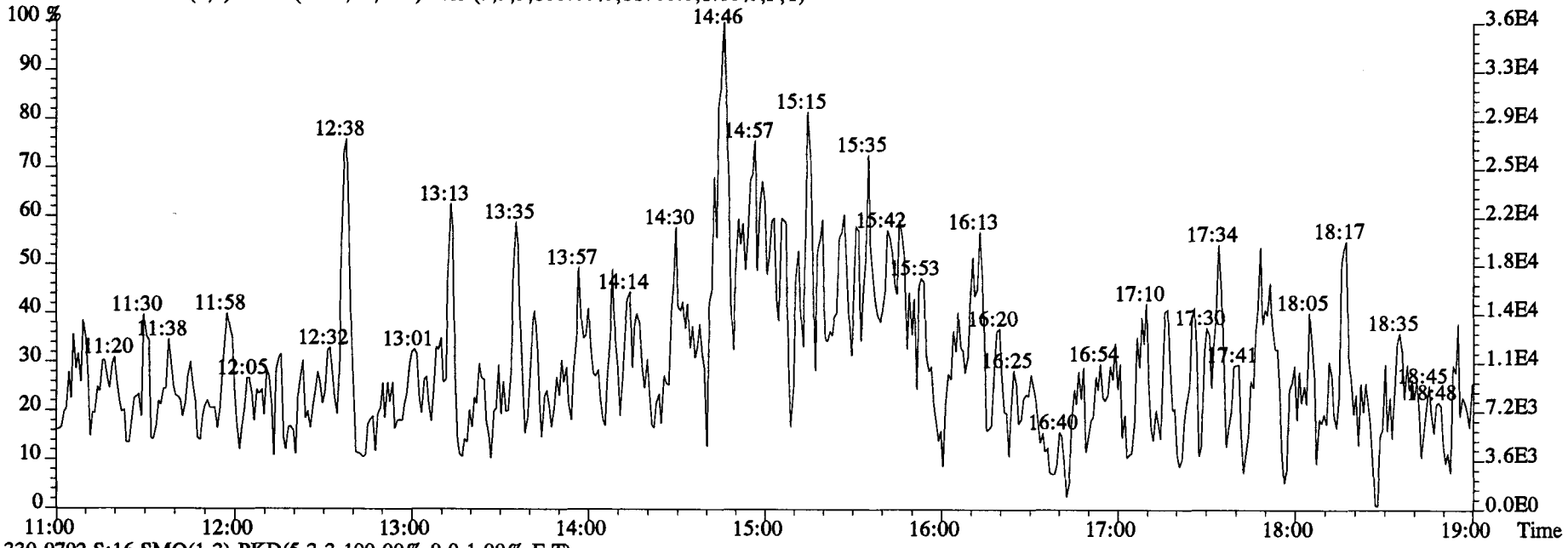




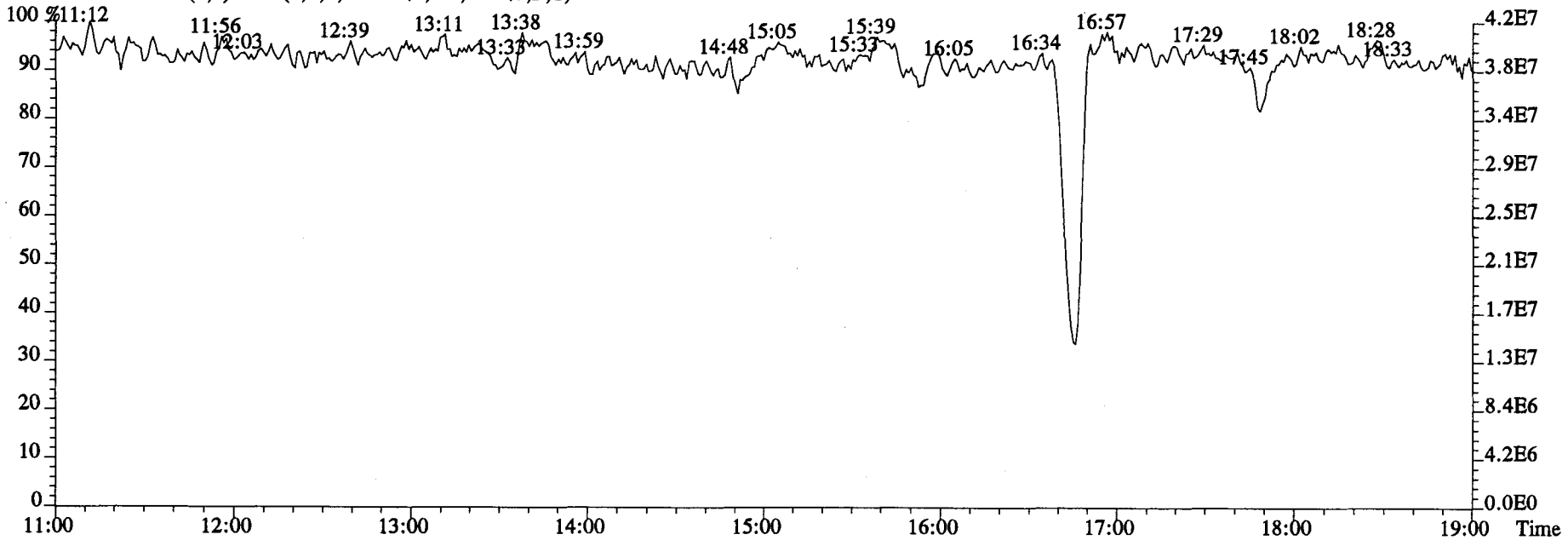




File:28AP105D2 #1-1242 Acq:28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0428A :CS3 10DXN111 Exp:DB225RES
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,11788.0,1.00%,F,T)



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



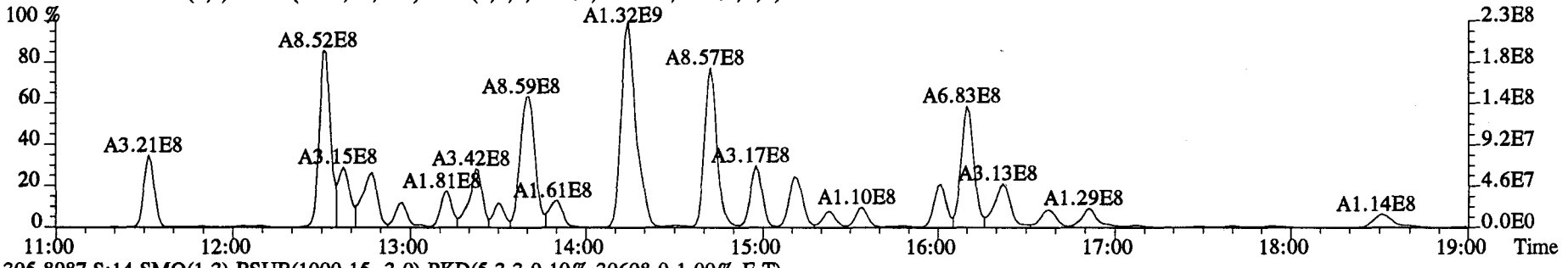
Run text: LXXTC-1-AD Sample text: LXXTC-1-AD :G0D140435-2
Run #18 Filename: 28AP105D2 S: 14 I: 1 Results: 28AP105D2DB225
Acquired: 28-APR-10 17:35:23 Processed: 28-APR-10 19:39:55
Run: 28AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.3200 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	55882300	0.77 y	14:59	-	5.44	-	-	n
13C-2,3,7,8-TCDF	141323200	0.78 y	16:09	2.11	116.34	0.69	60.0	n
2,3,7,8-TCDF	1522691000	0.81 y	16:10	1.09	1918.39 E	1.03 G	-	n
13C-2,3,7,8-TCDD	74845200	0.76 y	14:46	0.95	136.83	0.58	70.6	n
2,3,7,8-TCDD	55003700	0.83 y	14:47	1.36	104.93	0.52	-	n
37Cl-2,3,7,8-TCDD	86386200	1.00 y	14:48	2.28	65.75	0.61	84.8	n

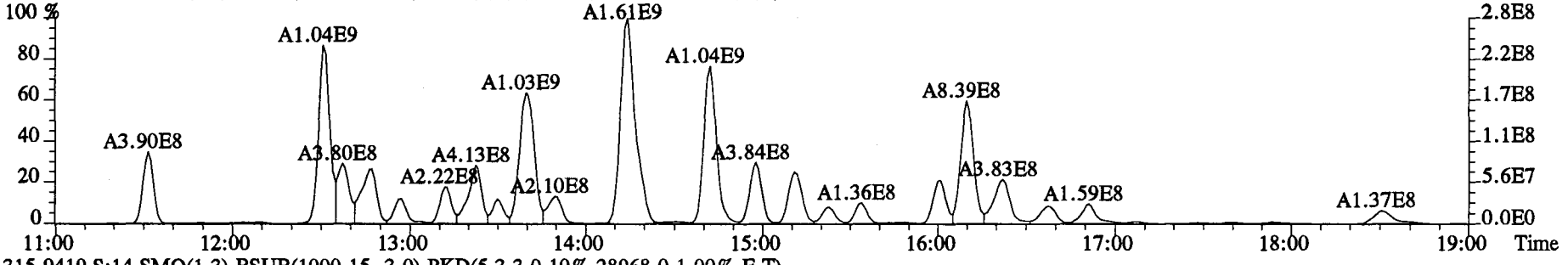
OS
04-29-10

File:28AP105D2 #1-1242 Acq:28-APR-2010 17:35:23 GC EI+ Voltage SIR 70SE
Sample#14 Text:LXXTC-1-AD :G0D140435-2 Exp:DB225RES

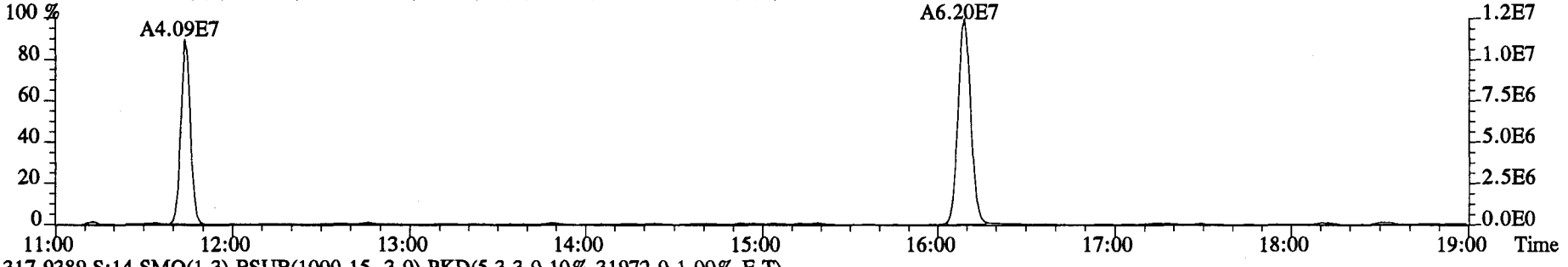
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23144.0,1.00%,F,T)



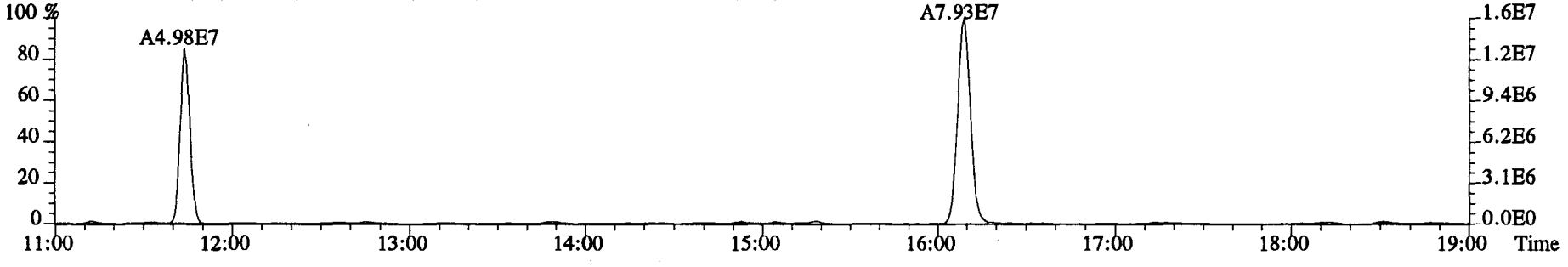
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30608.0,1.00%,F,T)



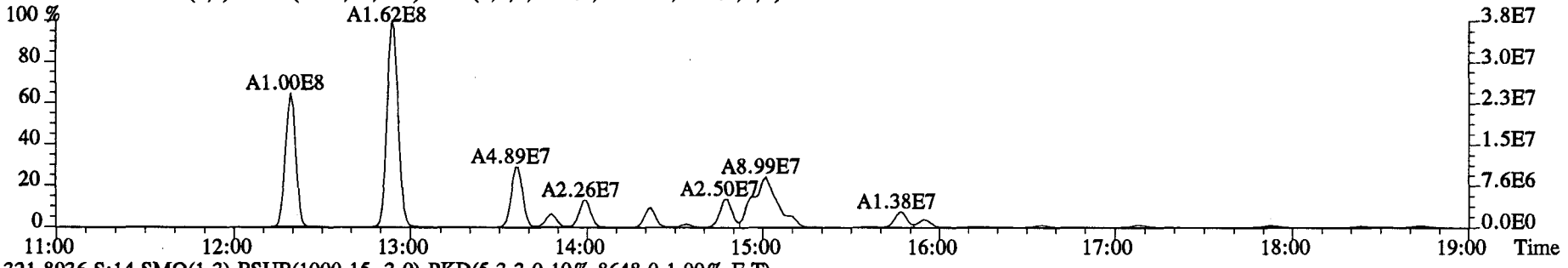
315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28968.0,1.00%,F,T)



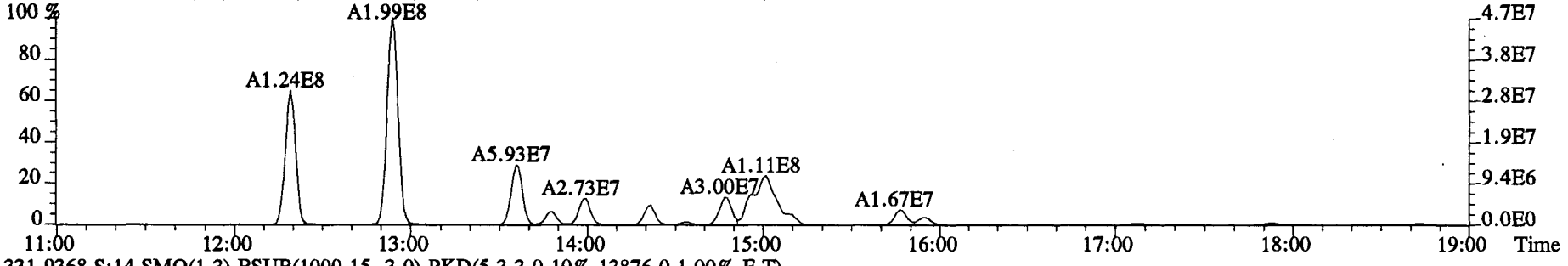
317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31972.0,1.00%,F,T)



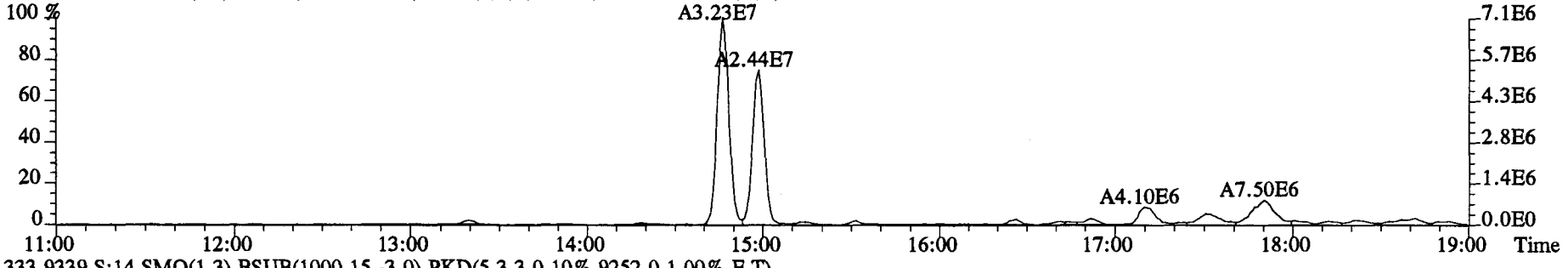
File:28AP105D2 #1-1242 Acq:28-APR-2010 17:35:23 GC EI+ Voltage SIR 70SE
Sample#14 Text:LXXTC-1-AD :G0D140435-2 Exp:DB225RES
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11416.0,1.00%,F,T)



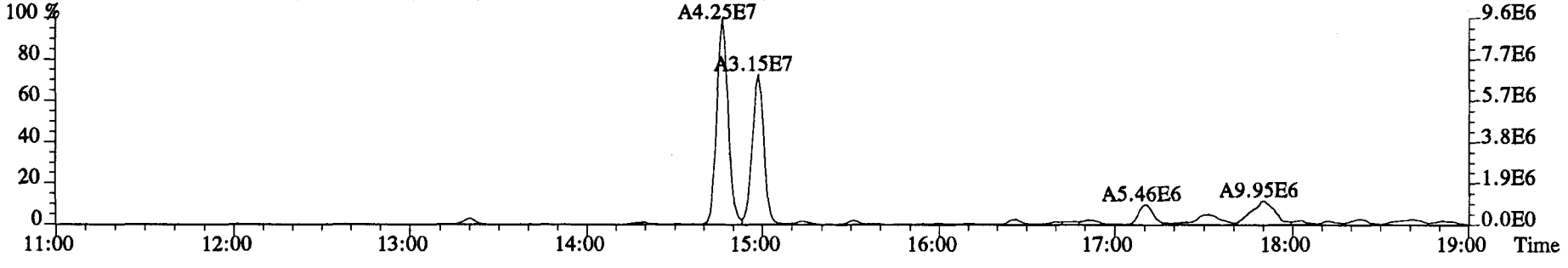
321.8936 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8648.0,1.00%,F,T)



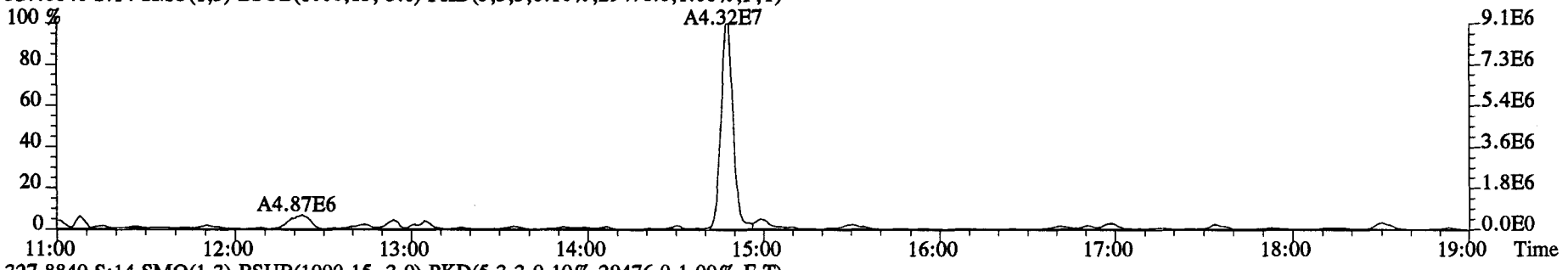
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13876.0,1.00%,F,T)



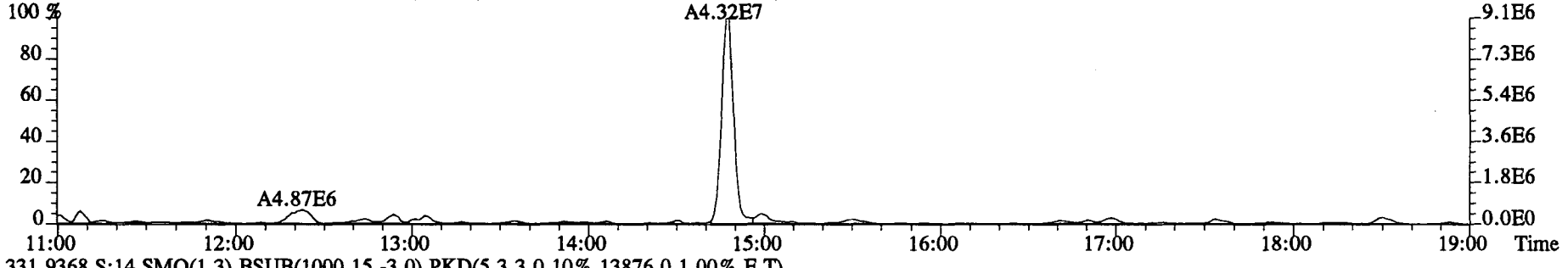
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9252.0,1.00%,F,T)



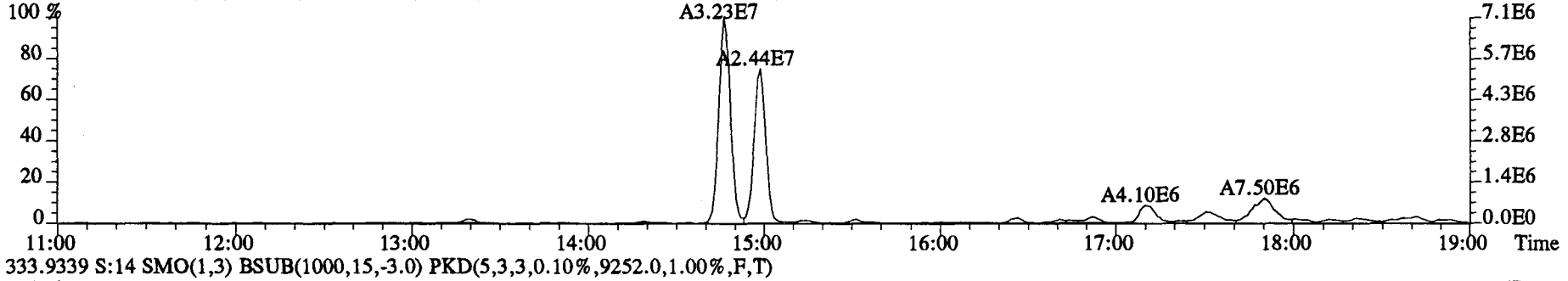
File:28AP105D2 #1-1242 Acq:28-APR-2010 17:35:23 GC EI+ Voltage SIR 70SE
Sample#14 Text:LXXTC-1-AD :G0D140435-2 Exp:DB225RES
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29476.0,1.00%,F,T)



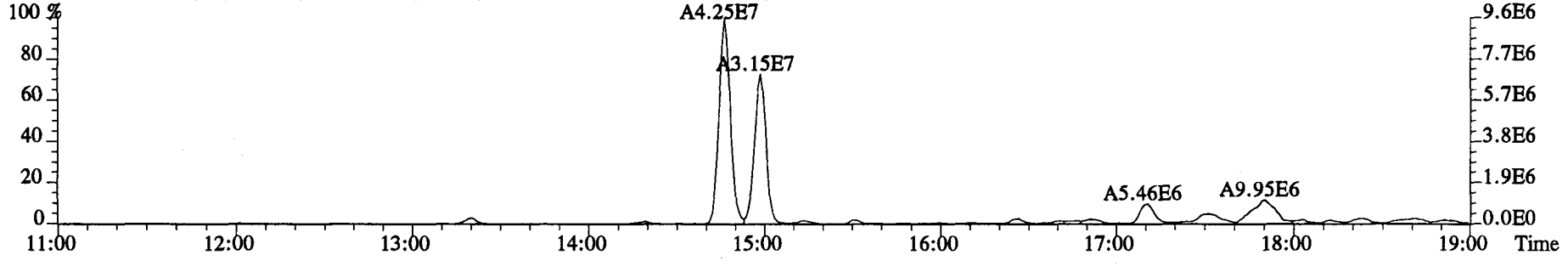
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29476.0,1.00%,F,T)



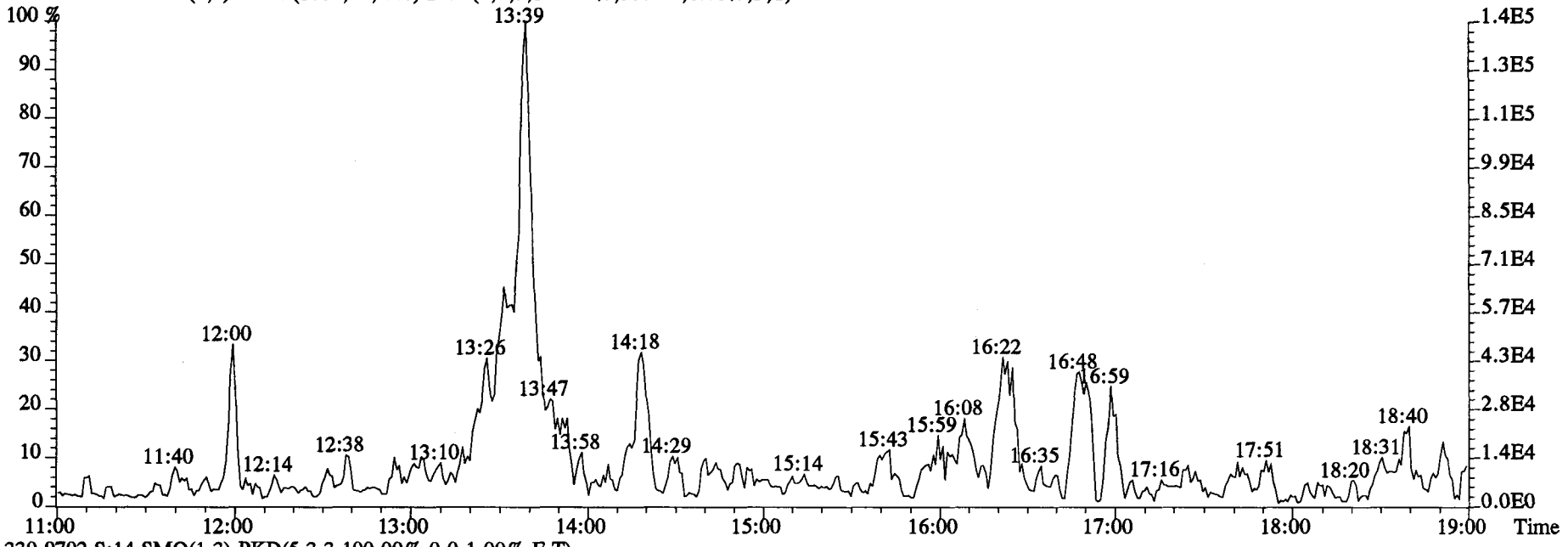
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13876.0,1.00%,F,T)



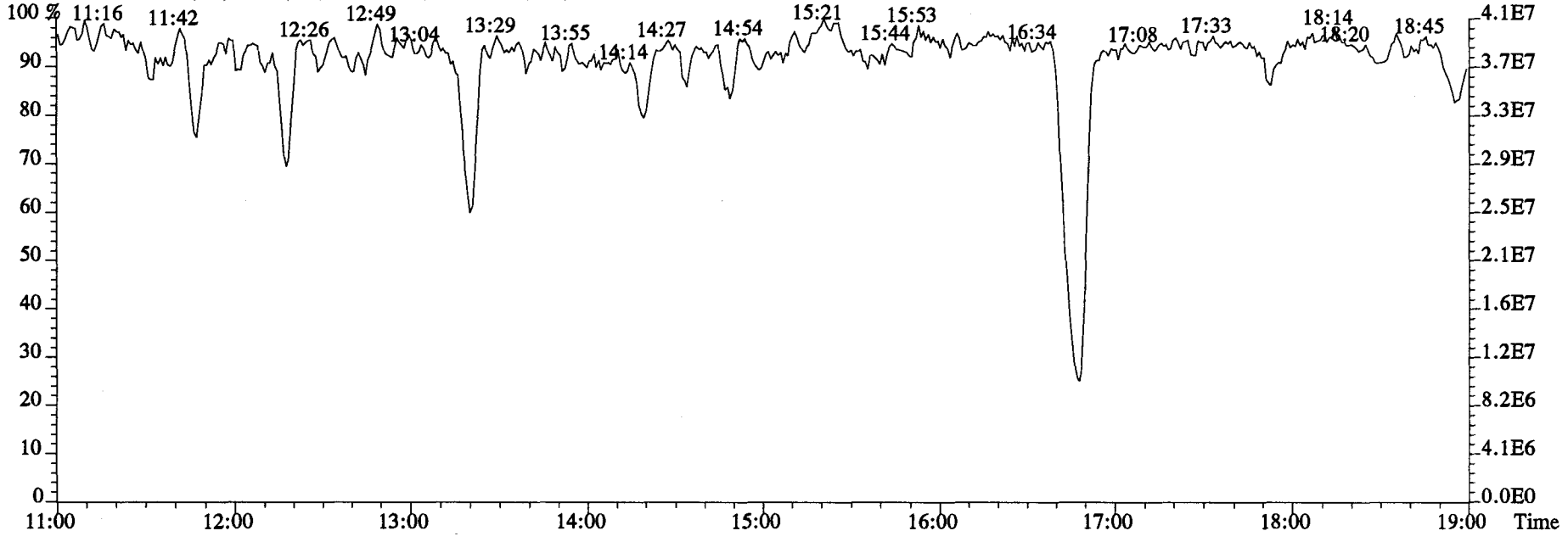
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9252.0,1.00%,F,T)



File:28AP105D2 #1-1242 Acq:28-APR-2010 17:35:23 GC EI+ Voltage SIR 70SE
Sample#14 Text:LXXTC-1-AD :G0D140435-2 Exp:DB225RES
375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,5816.0,1.00%,F,T)



330.9792 S:14 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LXXTR-1-AD Sample text: LXXTR-1-AD :G0D140435-4 05
Run #17 Filename: 27AP104D5 S: 14 I: 1 Results: 27AP104D58290AOS 04-29-10
Acquired: 27-APR-10 21:25:45 Processed: 28-APR-10 10:32:03
Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.03 g

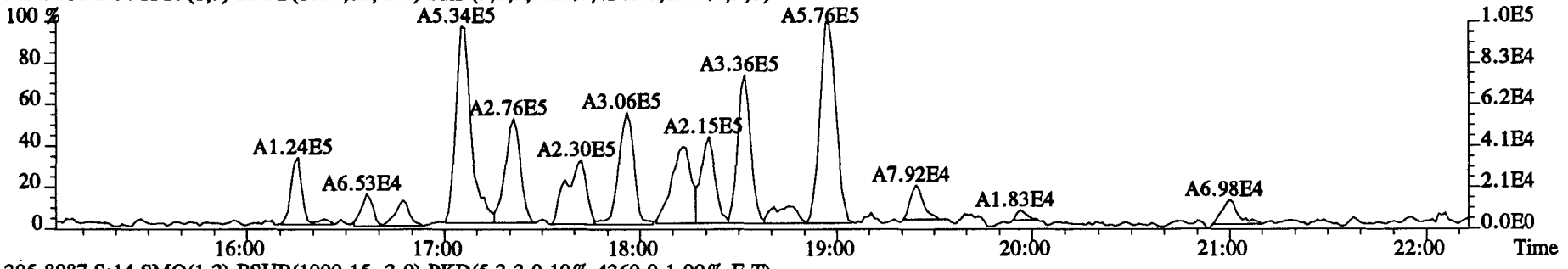
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	75803500	0.80	y	19:30	-	5.681	-	-	n
13C-2,3,7,8-TCDF	121952700	0.79	y	18:56	1.52	105.474	0.181	52.9	n
2,3,7,8-TCDF	1335626	0.76	y	18:57	0.95	~~2.310~~ see 8290	0.217	-	n
Total TCDF	7342729	0.87	y	16:16	0.95	~~12.700~~	~~0.217~~	-	n
13C-2,3,7,8-TCDD	89857800	0.80	y	19:42	0.95	124.447	0.283	62.4	n
2,3,7,8-TCDD	65399	0.38	n	19:42	1.02	0.142 J,Q	0.106	-	n
Total TCDD	474478	0.92	n	17:15	1.02	~~1.031~~	~~0.106~~	-	n
37Cl-2,3,7,8-TCDD	108111600	1.00	y	19:43	2.26	62.882	0.065	78.8	n
13C-1,2,3,7,8-PeCDF	92968400	1.59	y	24:34	1.05	116.418	0.707	58.4	n
1,2,3,7,8-PeCDF	808202	1.92	n	24:36	1.04	1.659 J,Q	1.205	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.98	*	1.282	-	n
Total F2 PeCDF	2127547	1.86	n	23:03	1.01	~~4.451~~	~~1.242~~	-	n
Total F1 PeCDF	*	*	n	NotFnd	1.01	*	~~1.536~~	-	n
13C-1,2,3,7,8-PeCDD	63324800	1.56	y	26:54	0.67	124.224	0.452	62.3	n
1,2,3,7,8-PeCDD	166026	2.06	n	26:54	0.98	0.532 J,Q	0.338	-	n
Total PeCDD	423396	0.55	n	23:14	0.98	~~1.358~~	~~0.338~~	-	n
13C-1,2,3,7,8,9-HxCDD	51889800	1.33	y	33:05	-	5.035	-	-	n
13C-1,2,3,4,7,8-HxCDF	45765700	0.51	y	31:55	1.02	85.801	0.452	43.0	n
1,2,3,4,7,8-HxCDF	1097087	1.17	y	31:56	1.21	3.942	0.685	-	y
1,2,3,6,7,8-HxCDF	967270	1.18	y	32:03	1.34	3.139	0.618	-	y
2,3,4,6,7,8-HxCDF	368357	1.18	y	32:37	1.22	1.313 J	0.679	-	y
1,2,3,7,8,9-HxCDF	408294	1.02	n	33:16	1.09	1.628 J,Q	0.760	-	y
Total HxCDF	4463432	1.33	y	30:33	1.22	~~15.828~~	~~0.682~~	-	y
13C-1,2,3,6,7,8-HxCDD	46496500	1.26	y	32:49	0.81	110.695	5.623	55.5	n
1,2,3,4,7,8-HxCDD	188606	5.11	n	32:45	1.01	0.803 J,Q	0.289	-	y
1,2,3,6,7,8-HxCDD	168397	1.86	n	32:50	1.11	0.648 J,Q	0.261	-	y
1,2,3,7,8,9-HxCDD	218730	3.57	n	33:06	1.21	0.776 J,Q	0.241	-	n
Total HxCDD	681929	3.79	n	31:59	1.11	~~2.638~~	~~0.262~~	-	y
13C-1,2,3,4,6,7,8-HpCDF	26906850	0.44	y	34:36	0.86	59.934	0.996	30.1	n
1,2,3,4,6,7,8-HpCDF	1678452	1.08	y	34:36	1.31	9.498	0.640		y
1,2,3,4,7,8,9-HpCDF	677027	1.10	y	35:43	1.03	4.892	0.817	-	n
Total HpCDF	2697799	1.08	y	34:36	1.17	~~16.562~~	~~0.718~~	-	y
13C-1,2,3,4,6,7,8-HpCDD	21794700	1.04	y	35:24	0.70	60.038	2.565	30.1	n
1,2,3,4,6,7,8-HpCDD	155300	0.85	n	35:25	1.07	1.326 J,Q	1.081	-	n
Total HpCDD	1697980	1.64	n	34:24	1.07	~~14.494~~	~~1.081~~	-	n
13C-OCDD	18422940	0.89	y	37:54	0.53	66.614	1.297	16.7	n
OCDF	1578946	0.81	y	38:01	1.45	23.648	1.532	-	n

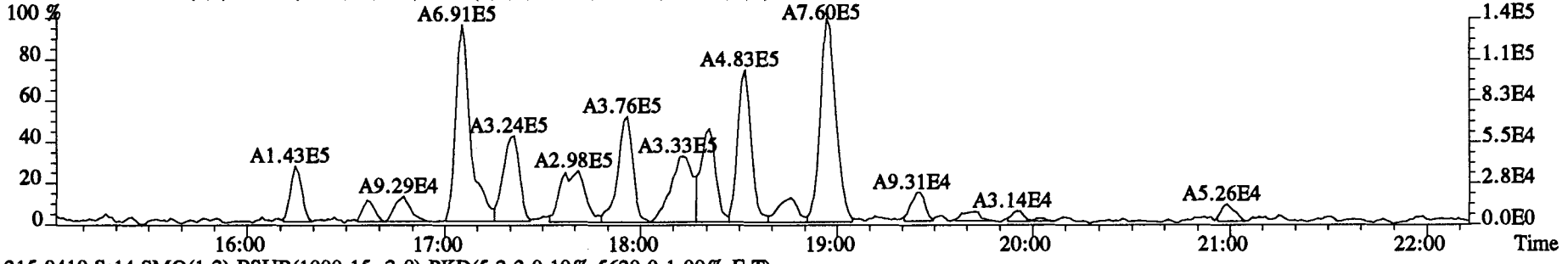
OCDD	288661	0.87	y	37:55	1.17	5.358	r	1.613	-	n

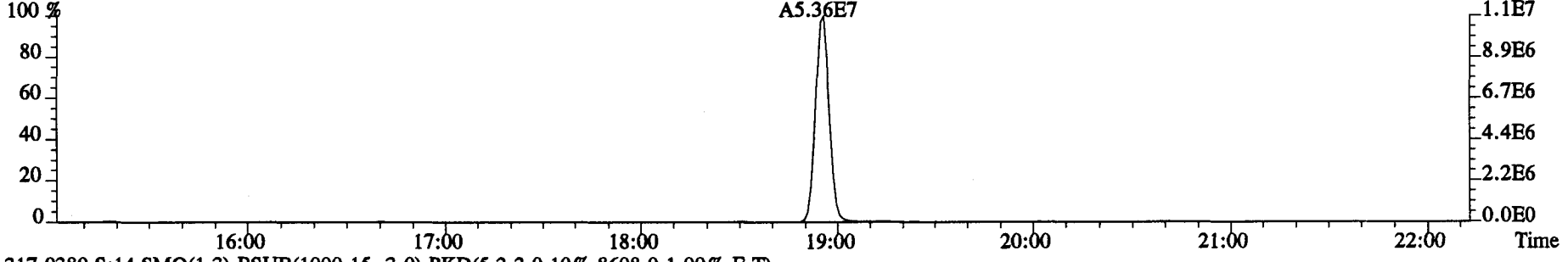
Run text: LXXTR-1-AD Sample text: LXXTR-1-AD :G0D140435-4
Run #17 Filename: 27AP104D5 S: 14 I: 1 Results: 27AP104D58290A
Acquired: 27-APR-10 21:25:45 Processed: 28-APR-10 10:32:03
Run: 27AP104D5 Analyte: 8290AHRS Cal: 8290A0412104D5
Sample size: 10.03 g

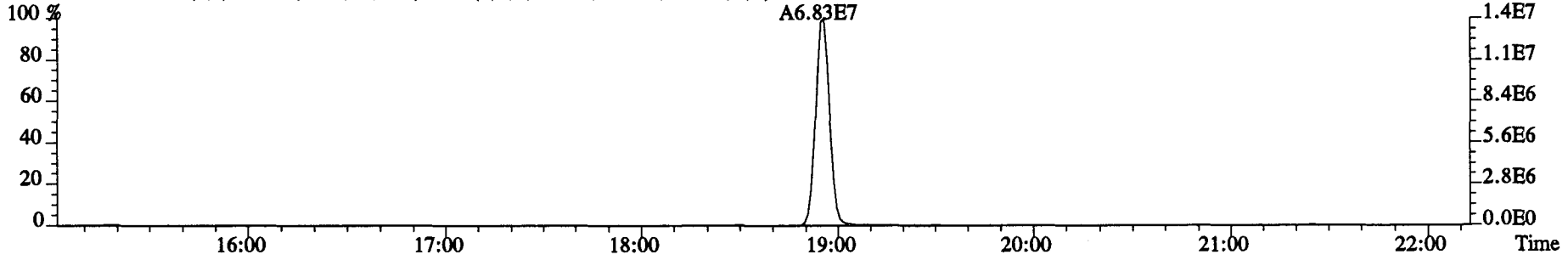
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	75803500	0.80	y	19:30	-	5.6808	-	-	n
13C-2,3,7,8-TCDF	121952700	0.79	y	18:56	1.52	105.4744	0.1808	52.9	n
2,3,7,8-TCDF	1335626	0.76	y	18:57	0.95	2.3102	0.2172	-	n
Total TCDF	7342729	0.87	y	16:16	0.95	12.7004	0.2172	-	n
13C-2,3,7,8-TCDD	89857800	0.80	y	19:42	0.95	124.4471	0.2827	62.4	n
2,3,7,8-TCDD	65399	0.38	n	19:42	1.02	0.1421	0.1065	-	n
Total TCDD	474478	0.92	n	17:15	1.02	1.0312	0.1065	-	n
37Cl-2,3,7,8-TCDD	108111600	1.00	y	19:43	2.26	62.8817	0.0646	78.8	n
13C-1,2,3,7,8-PeCDF	92968400	1.59	y	24:34	1.05	116.4184	0.7067	58.4	n
1,2,3,7,8-PeCDF	808202	1.92	n	24:36	1.04	1.6592	1.2052	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.98	*	1.2820	-	n
Total F2 PeCDF	2127547	1.86	n	23:03	1.01	4.4514	1.2424	-	n
Total F1 PeCDF	*	*	n	NotFnd	1.01	*	1.5355	-	n
13C-1,2,3,7,8-PeCDD	63324800	1.56	y	26:54	0.67	124.2240	0.4521	62.3	n
1,2,3,7,8-PeCDD	166026	2.06	n	26:54	0.98	0.5324	0.3378	-	n
Total PeCDD	423396	0.55	n	23:14	0.98	1.3578	0.3378	-	n
13C-1,2,3,7,8,9-HxCDD	51889800	1.33	y	33:05	-	5.0346	-	-	n
13C-1,2,3,4,7,8-HxCDF	45765700	0.51	y	31:55	1.02	85.8009	0.4522	43.0	n
1,2,3,4,7,8-HxCDF	1192675	1.18	y	31:56	1.21	4.2854	0.6847	-	n
1,2,3,6,7,8-HxCDF	883223	1.17	y	32:03	1.34	2.8658	0.6183	-	n
2,3,4,6,7,8-HxCDF	537177	1.11	y	32:37	1.22	1.9149	0.6793	-	n
1,2,3,7,8,9-HxCDF	576652	1.10	y	33:16	1.09	2.2998	0.7600	-	n
Total HxCDF	5116126	1.33	y	30:33	1.22	18.2596	0.6819	-	n
13C-1,2,3,6,7,8-HxCDD	46496500	1.26	y	32:49	0.81	110.6948	5.6226	55.5	n
1,2,3,4,7,8-HxCDD	188606	5.94	n	32:45	1.01	0.8034	0.2890	-	n
1,2,3,6,7,8-HxCDD	188606	5.94	n	32:45	1.11	0.7261	0.2612	-	n
1,2,3,7,8,9-HxCDD	218733	3.57	n	33:06	1.21	0.7759	0.2407	-	n
Total HxCDD	513533	3.79	n	31:59	1.11	1.9123	0.2622	-	n
13C-1,2,3,4,6,7,8-HpCDF	26906840	0.44	y	34:36	0.86	59.9343	0.9955	30.1	n
1,2,3,4,6,7,8-HpCDF	1457570	1.22	n	34:36	1.31	8.2477	0.6400	-	n
1,2,3,4,7,8,9-HpCDF	677027	1.10	y	35:43	1.03	4.8919	0.8173	-	n
Total HpCDF	2772734	1.22	n	34:36	1.17	17.1897	0.7179	-	n
13C-1,2,3,4,6,7,8-HpCDD	21794700	1.04	y	35:24	0.70	60.0381	2.5650	30.1	n
1,2,3,4,6,7,8-HpCDD	155300	0.85	n	35:25	1.07	1.3256	1.0810	-	n
Total HpCDD	1697980	1.64	n	34:24	1.07	14.4936	1.0810	-	n
13C-OCDD	18422940	0.89	y	37:54	0.53	66.6139	1.2972	16.7	n
OCDF	1578946	0.81	y	38:01	1.45	23.6479	1.5317	-	n
OCDD	288661	0.87	y	37:55	1.17	5.3579	1.6129	-	n

File:27AP104D5 #1-434 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

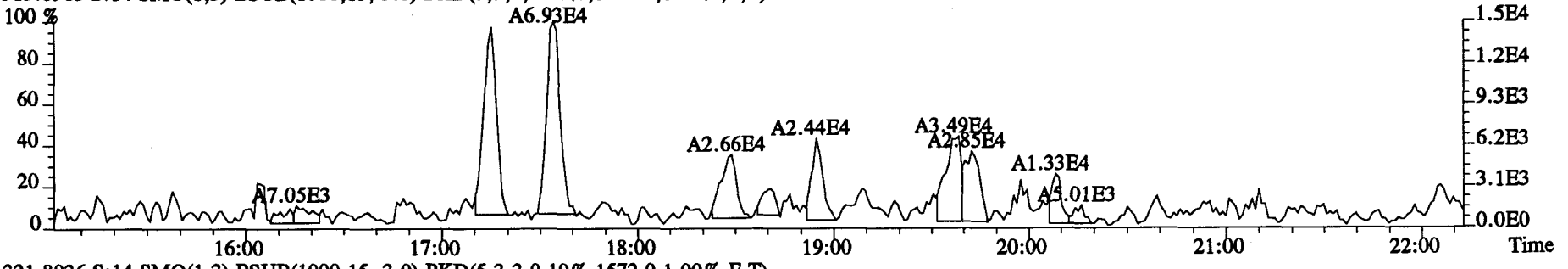


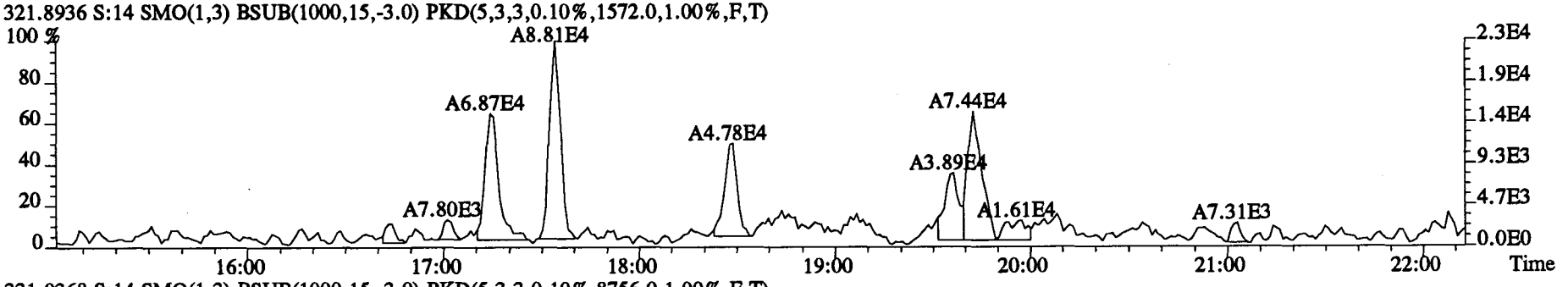


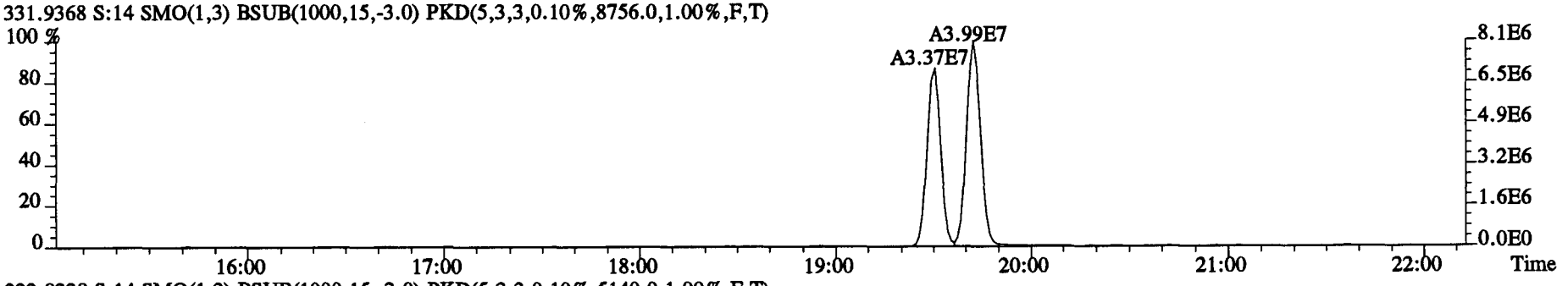


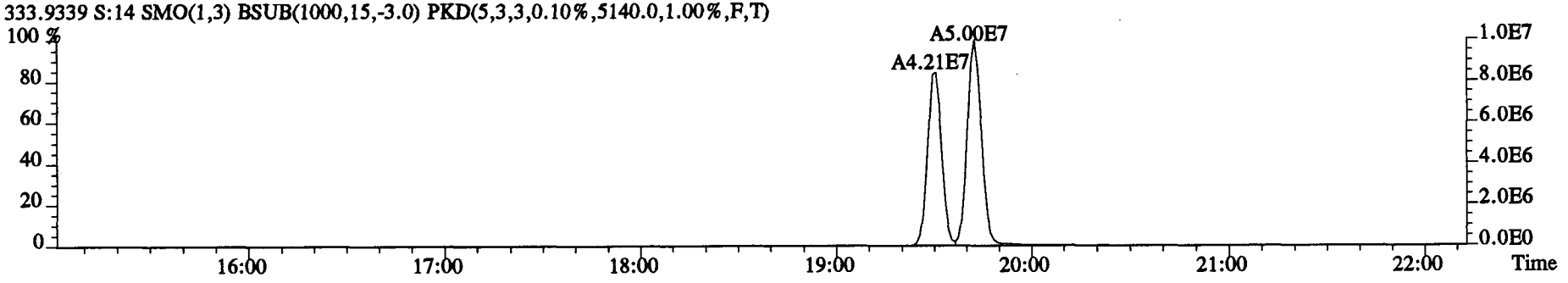


File:27AP104D5 #1-434 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A



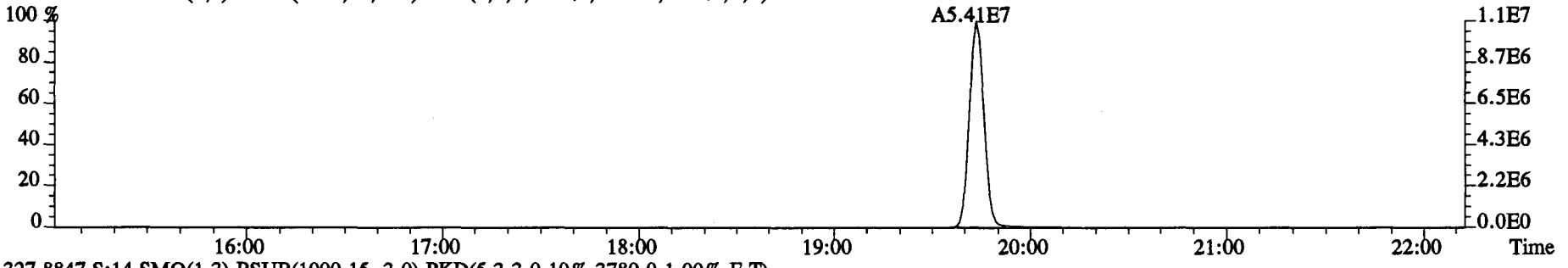




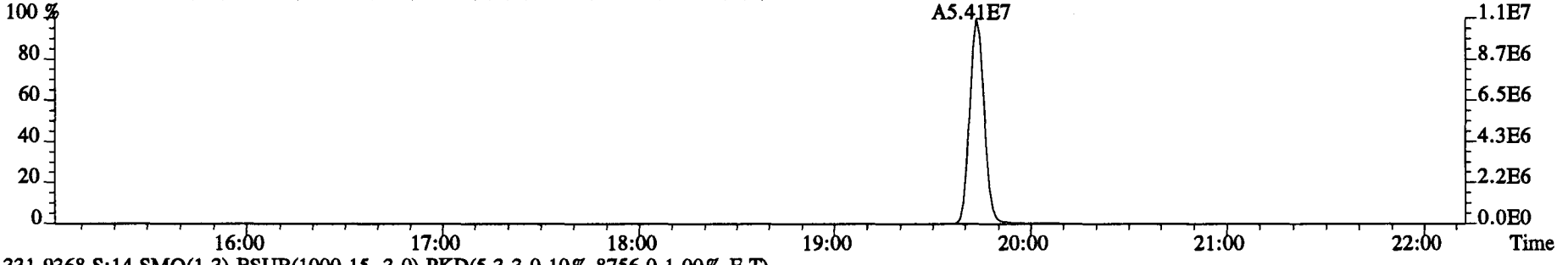


File:27AP104D5 #1-434 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

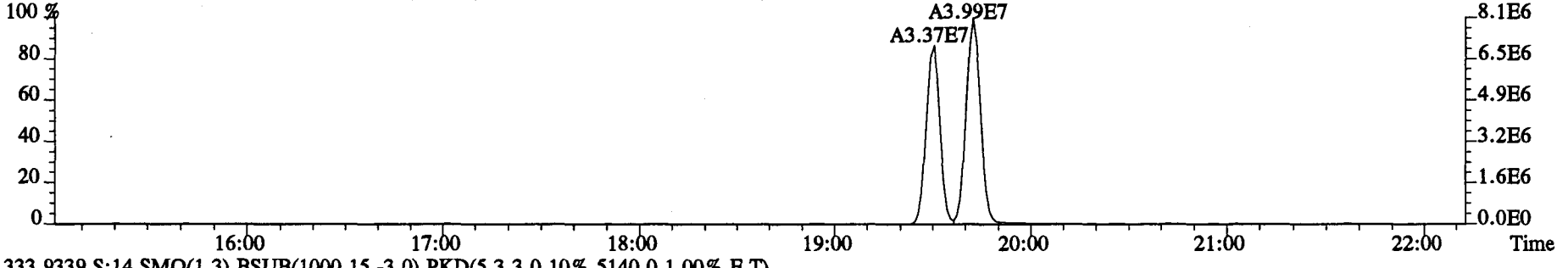
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3780.0,1.00%,F,T)



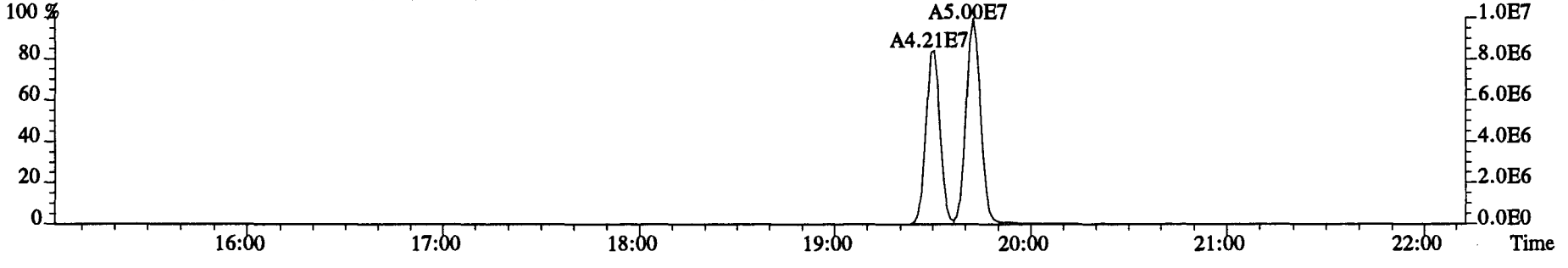
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3780.0,1.00%,F,T)



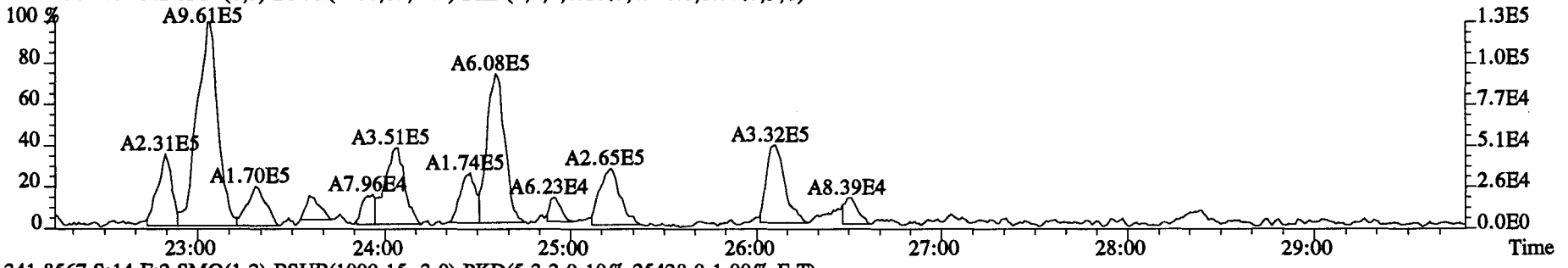
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8756.0,1.00%,F,T)



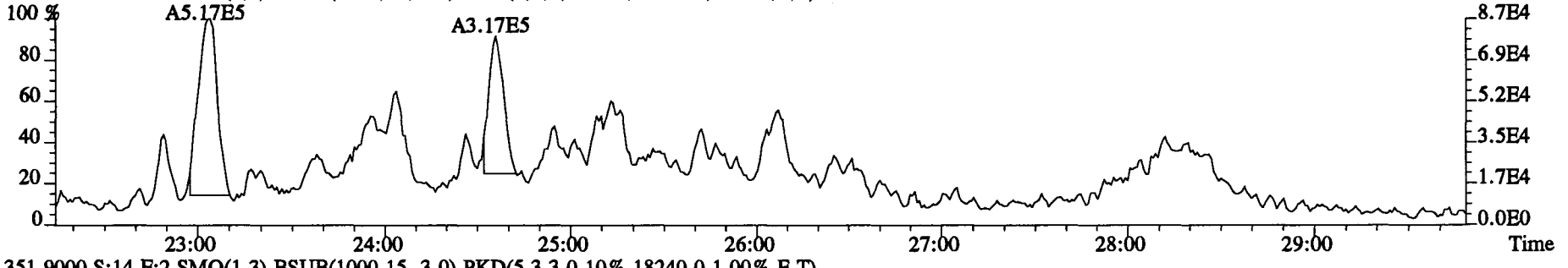
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)



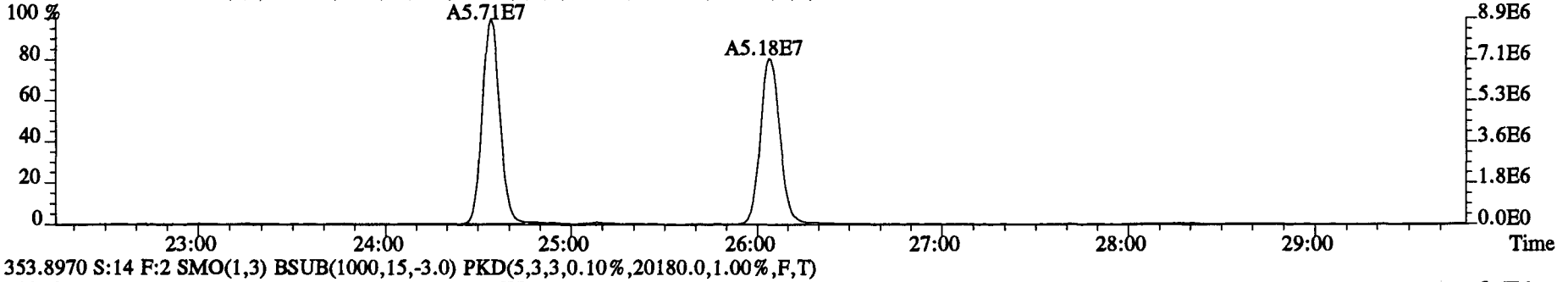
File:27AP104D5 #1-604 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4936.0,1.00%,F,T)



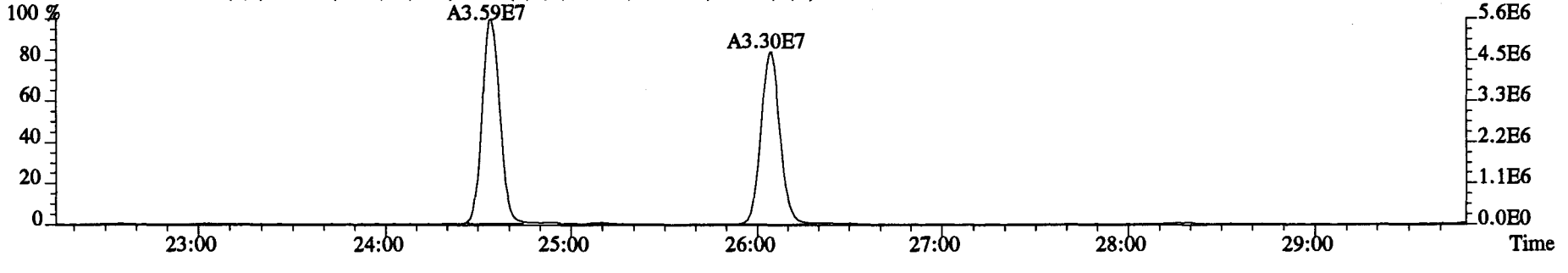
341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25428.0,1.00%,F,T)



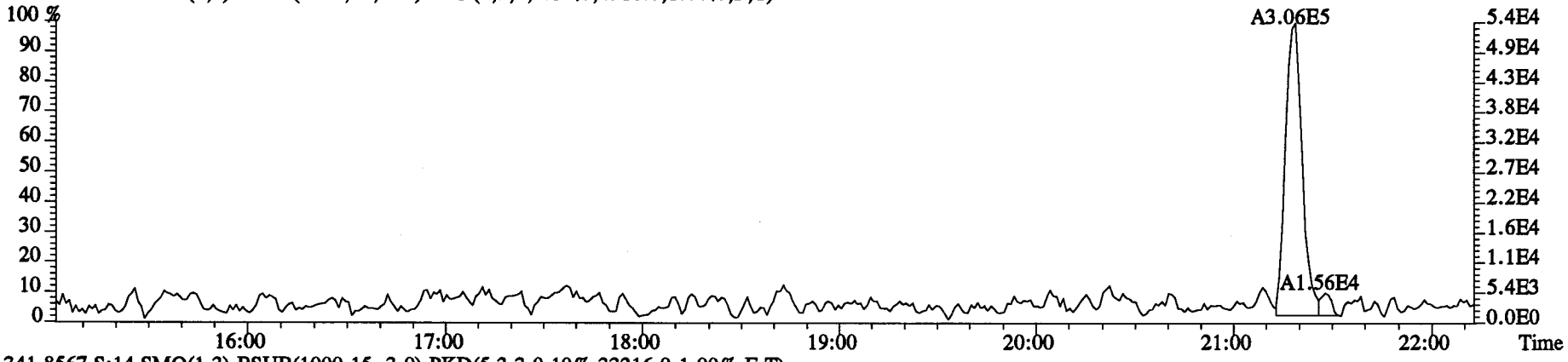
351.9000 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18240.0,1.00%,F,T)



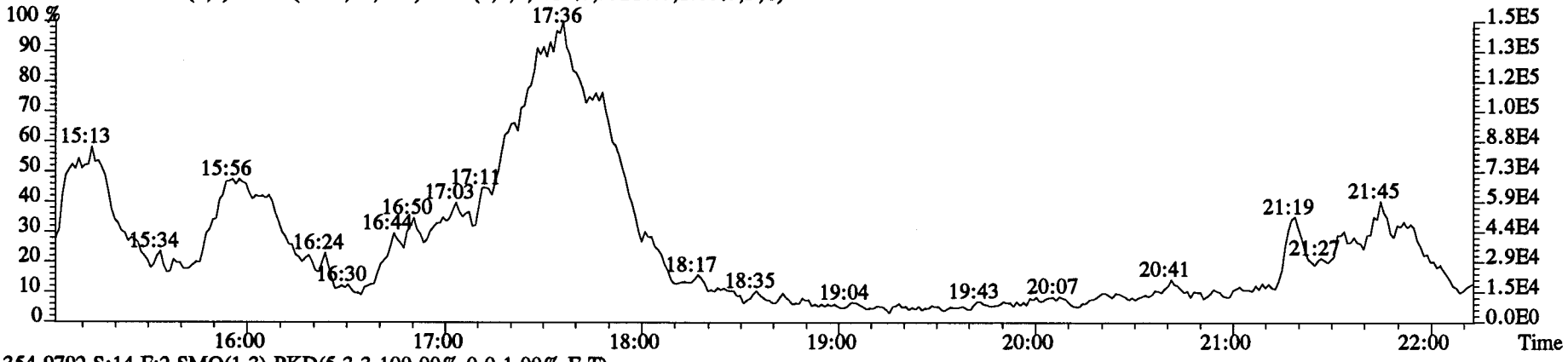
353.8970 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20180.0,1.00%,F,T)



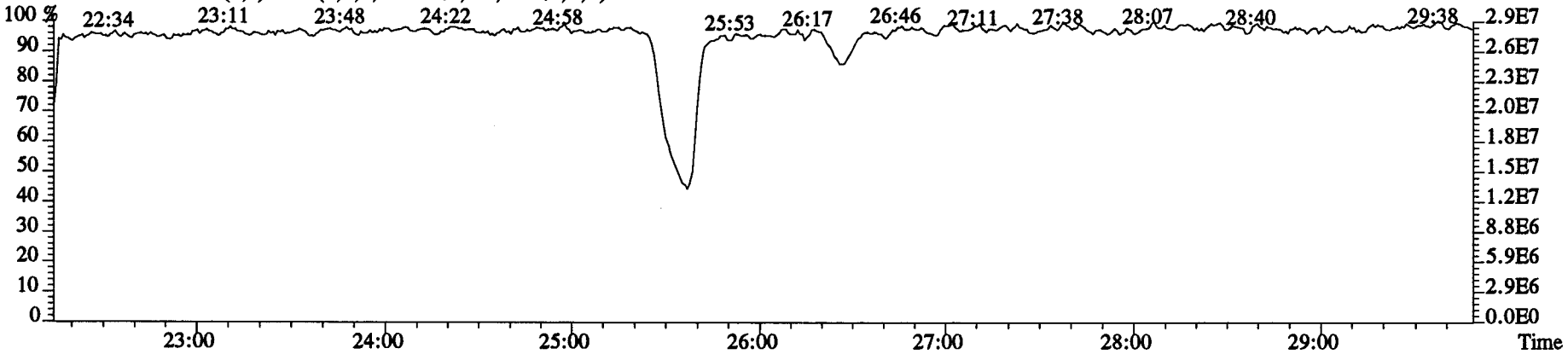
File:27AP104D5 #1-434 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A
339.8597 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4316.0,1.00%,F,T)



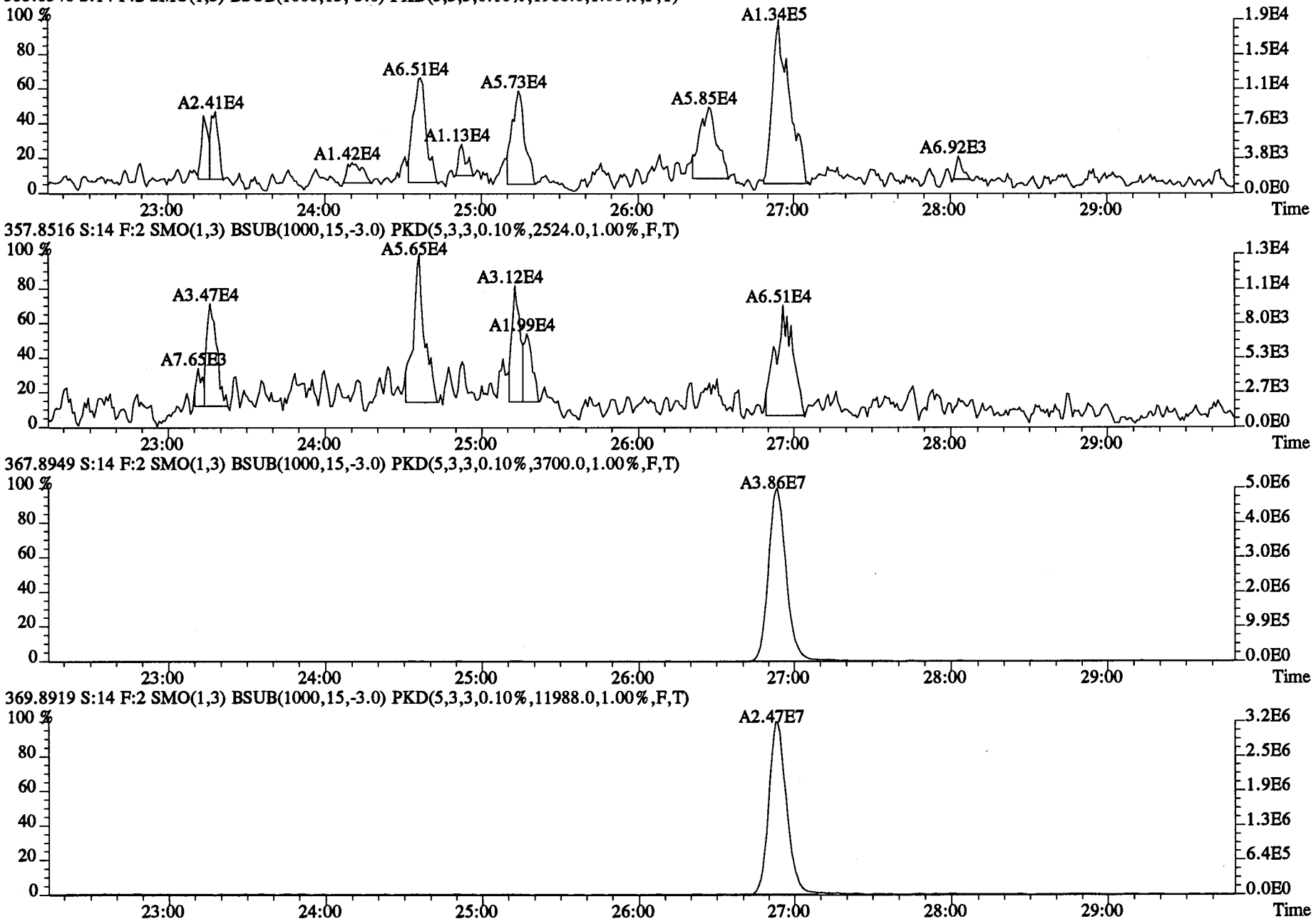
341.8567 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33216.0,1.00%,F,T)



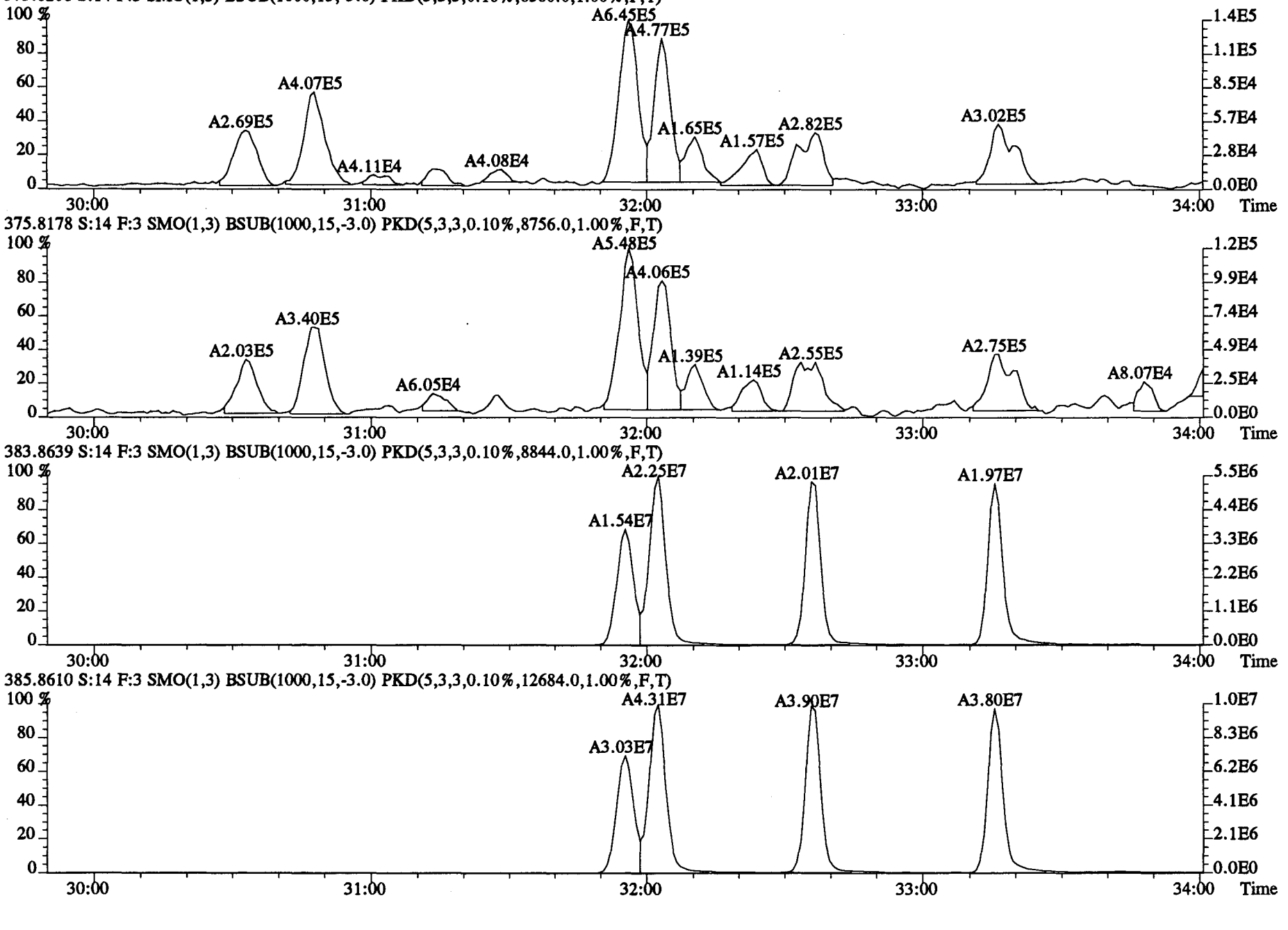
354.9792 S:14 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:27AP104D5 #1-604 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

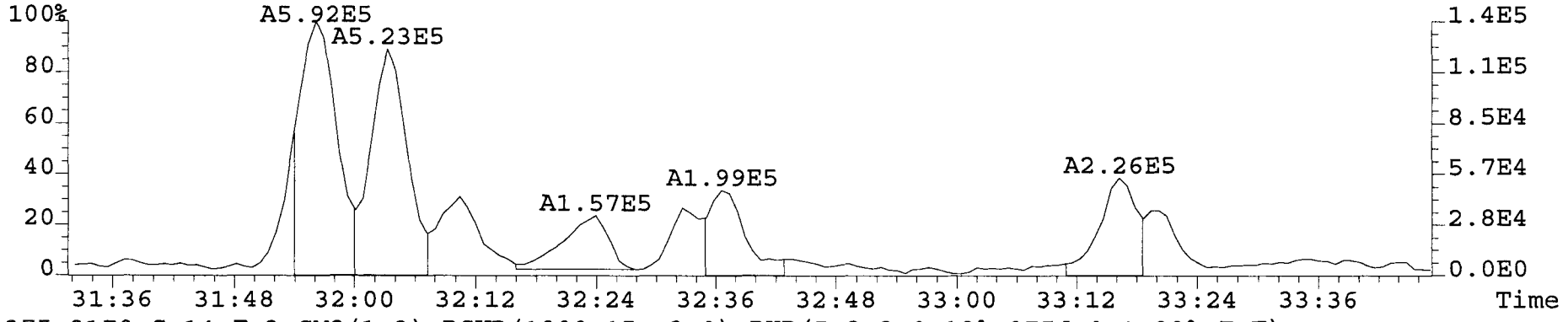


File:27AP104D5 #1-317 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

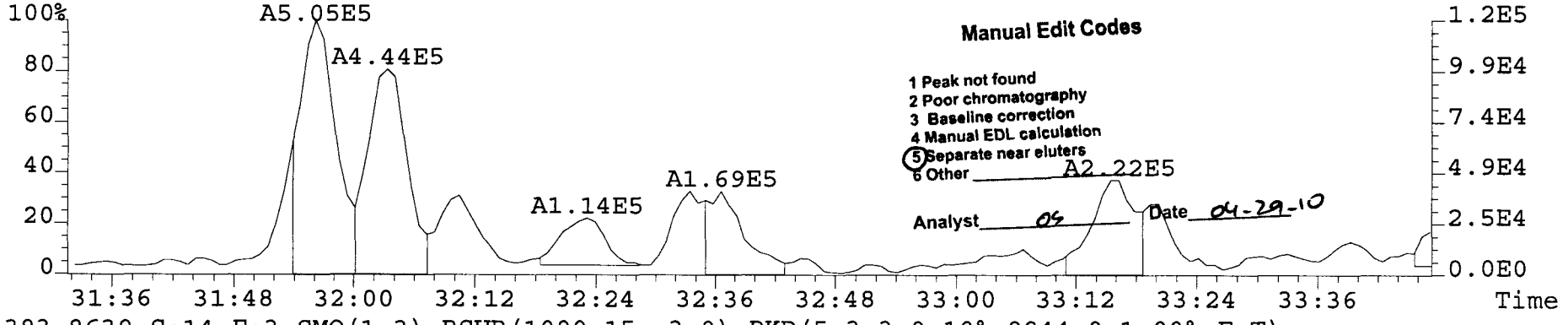


File:27AP104D5 #1-317 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

373.8208 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6560.0,1.00%,F,T)



375.8178 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8756.0,1.00%,F,T)

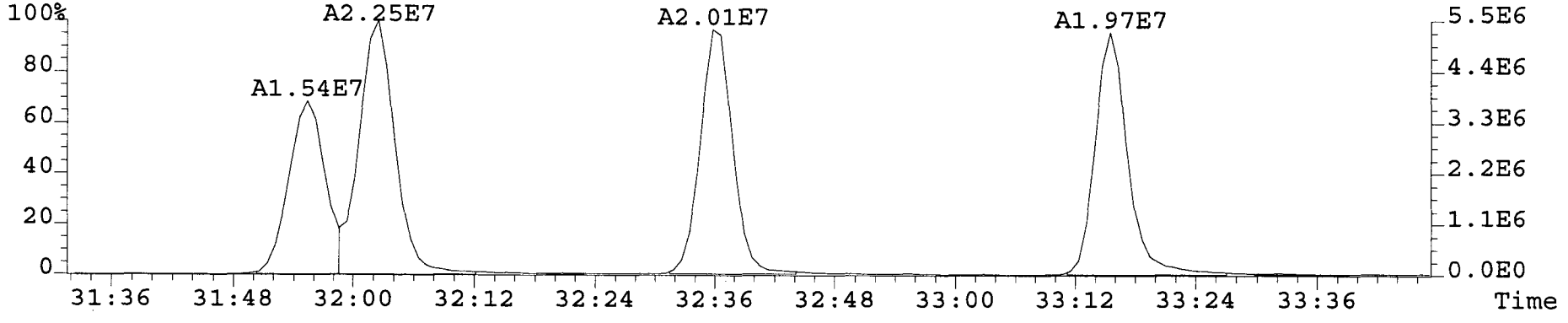


Manual Edit Codes

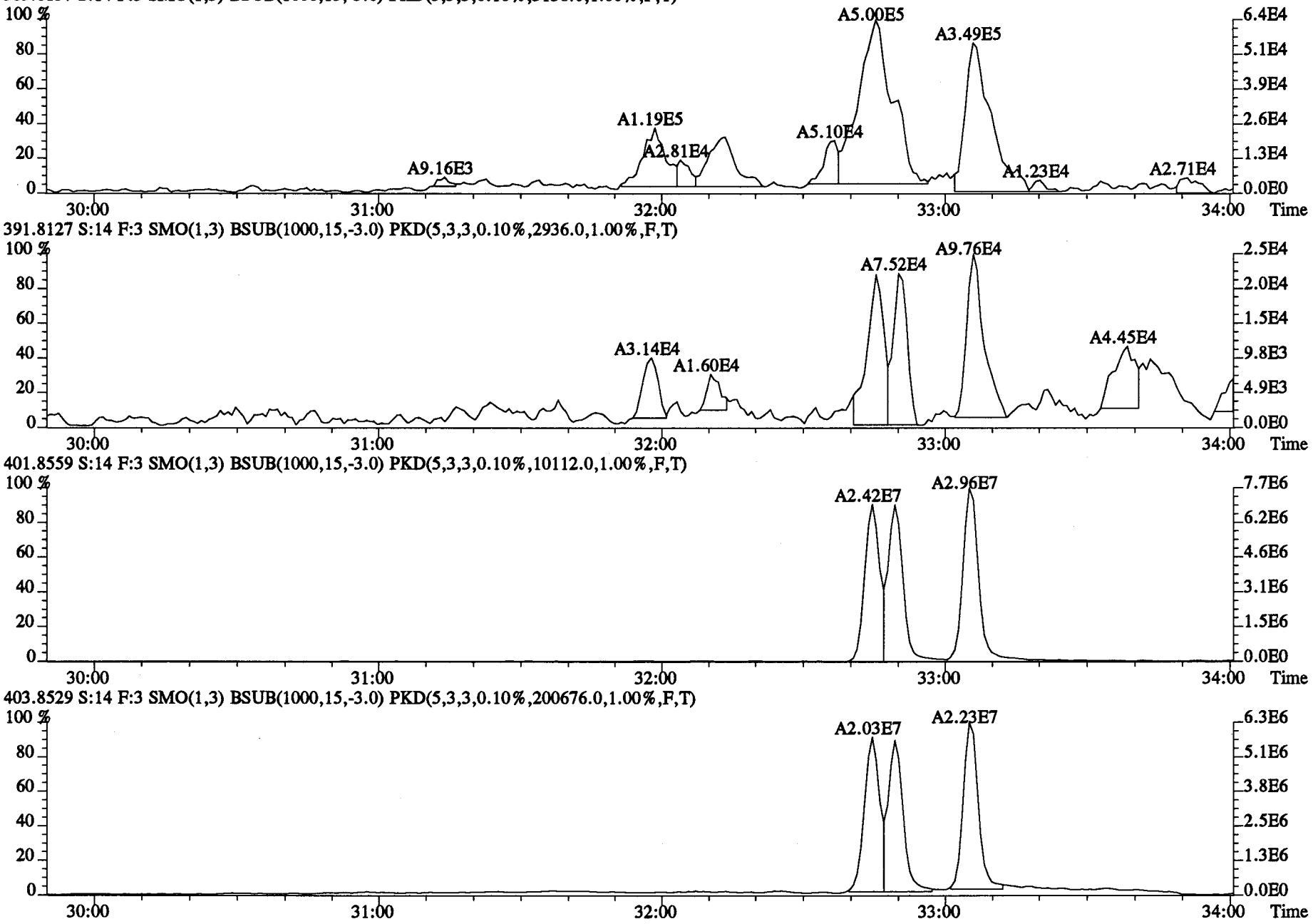
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

Analyst OS Date 04-29-10

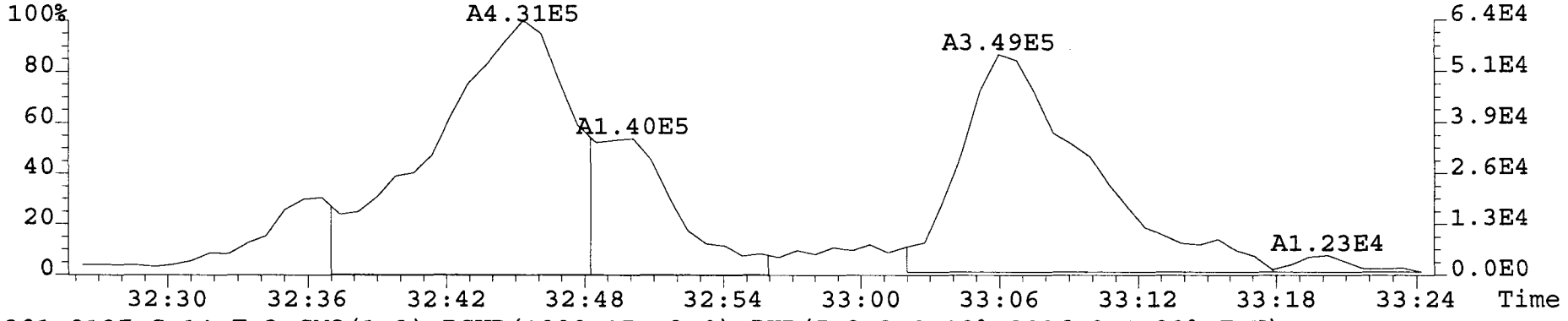
383.8639 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8844.0,1.00%,F,T)



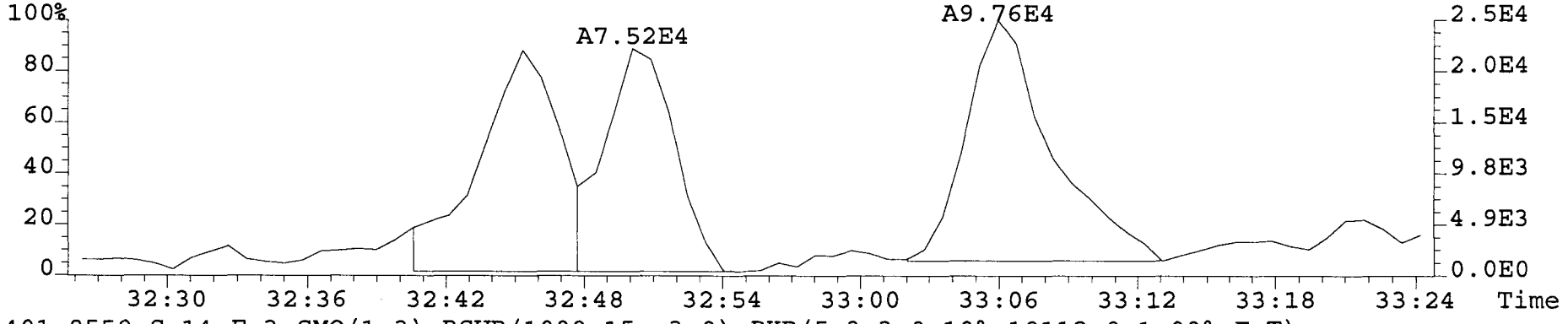
File:27AP104D5 #1-317 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A



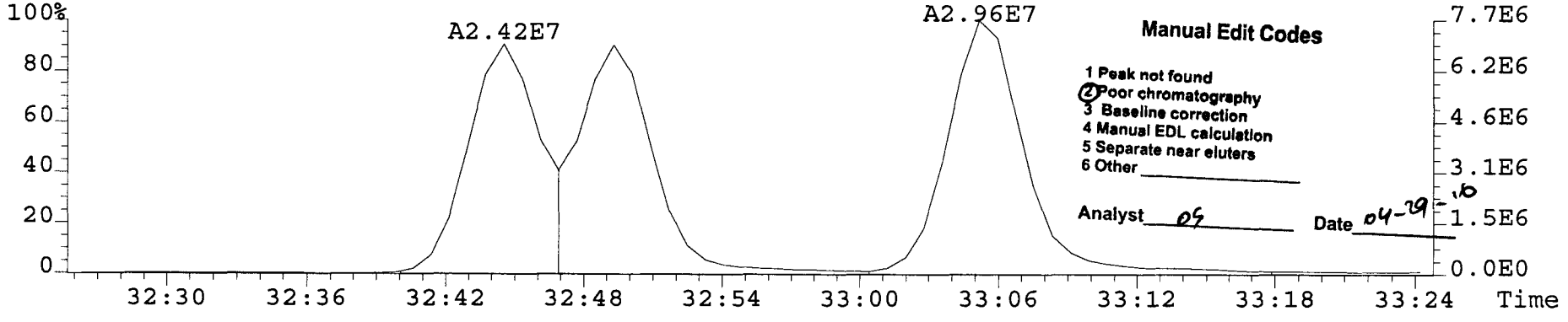
File:27AP104D5 #1-317 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A
389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3156.0,1.00%,F,T)



391.8127 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2936.0,1.00%,F,T)



401.8559 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10112.0,1.00%,F,T)

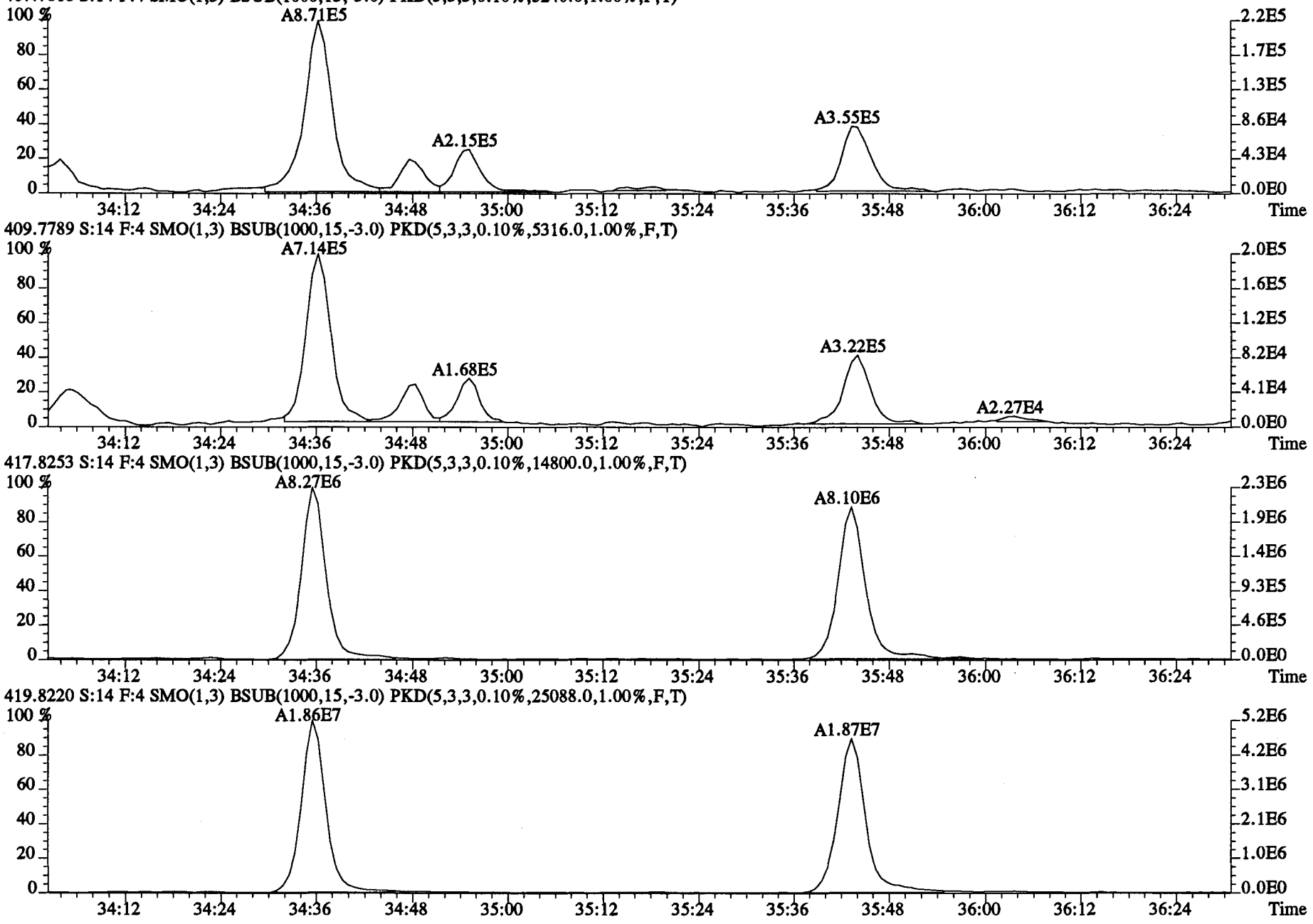


Manual Edit Codes

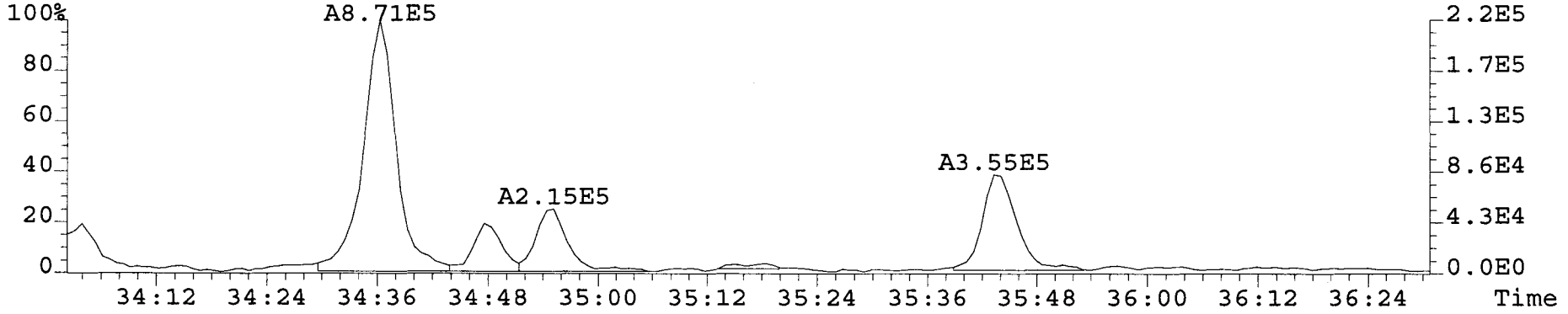
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst DS Date 04-29-10

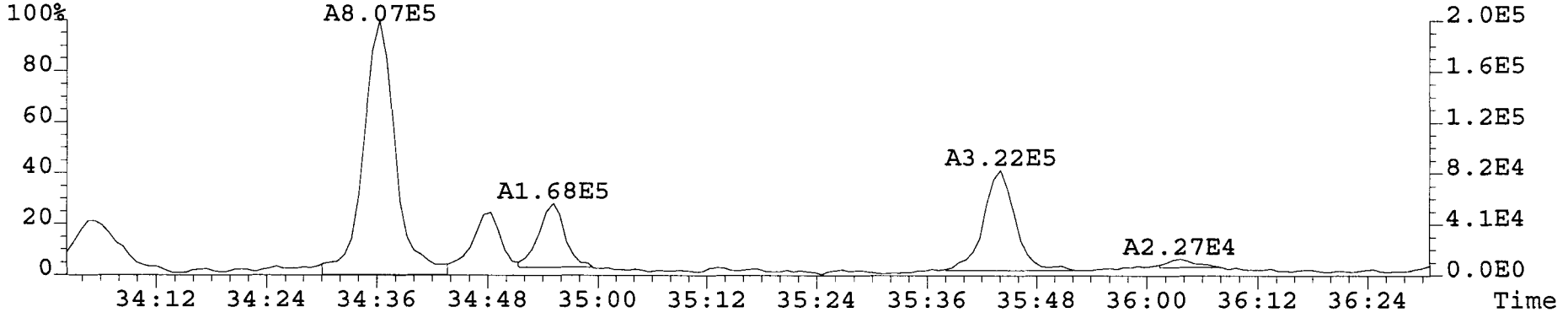
File:27AP104D5 #1-198 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A



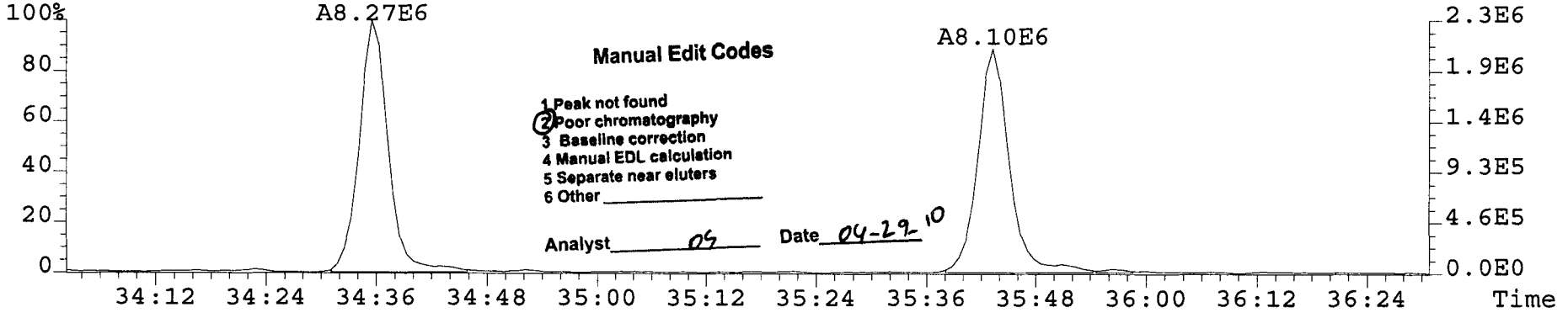
File:27AP104D5 #1-198 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5240.0,1.00%,F,T)



409.7789 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)



417.8253 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14800.0,1.00%,F,T)

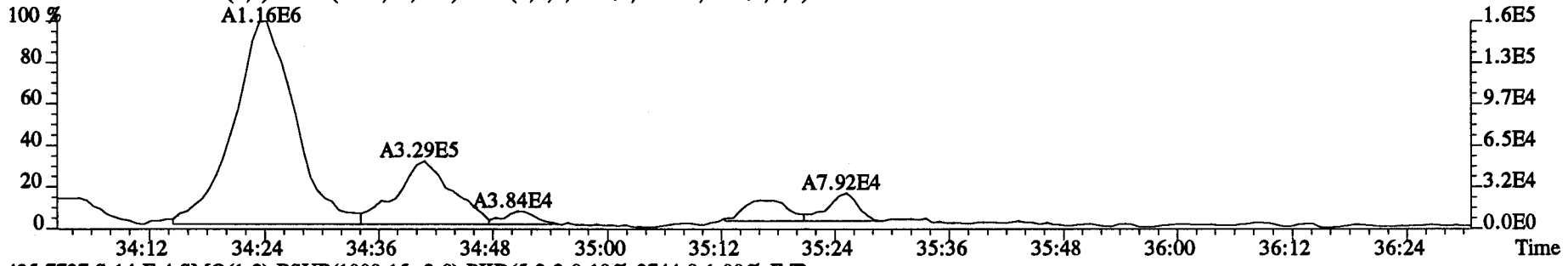


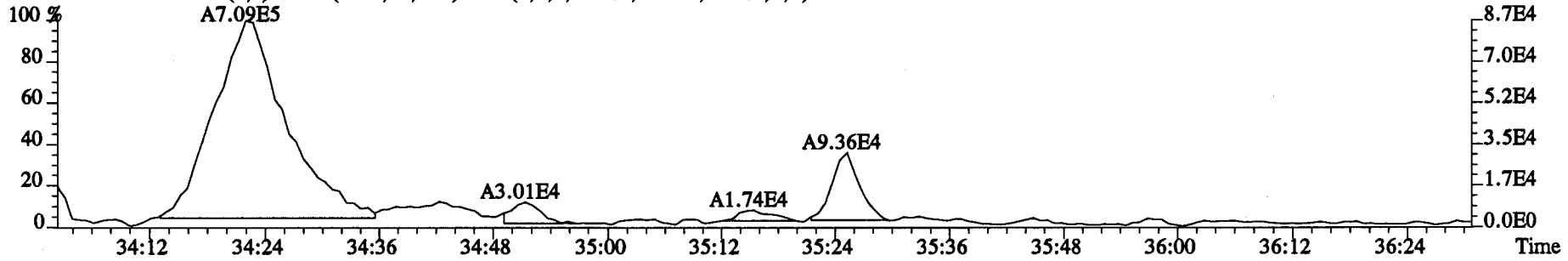
Manual Edit Codes

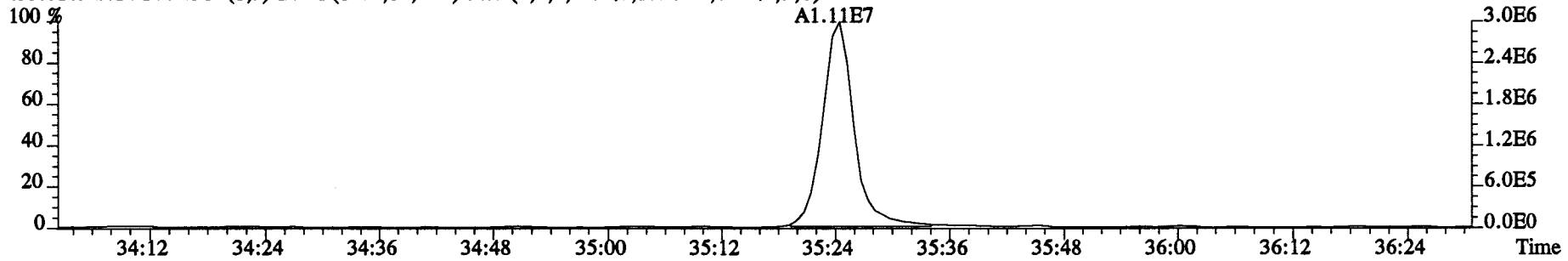
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

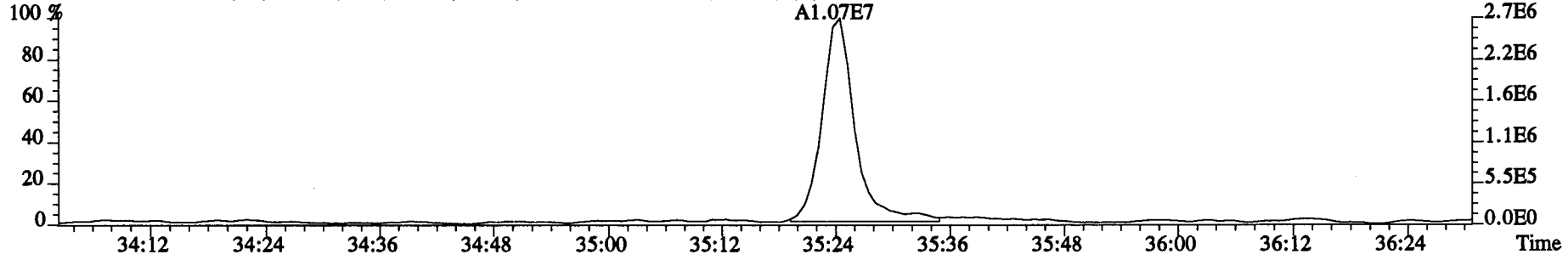
Analyst 05 Date 04-29-10

File:27AP104D5 #1-198 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

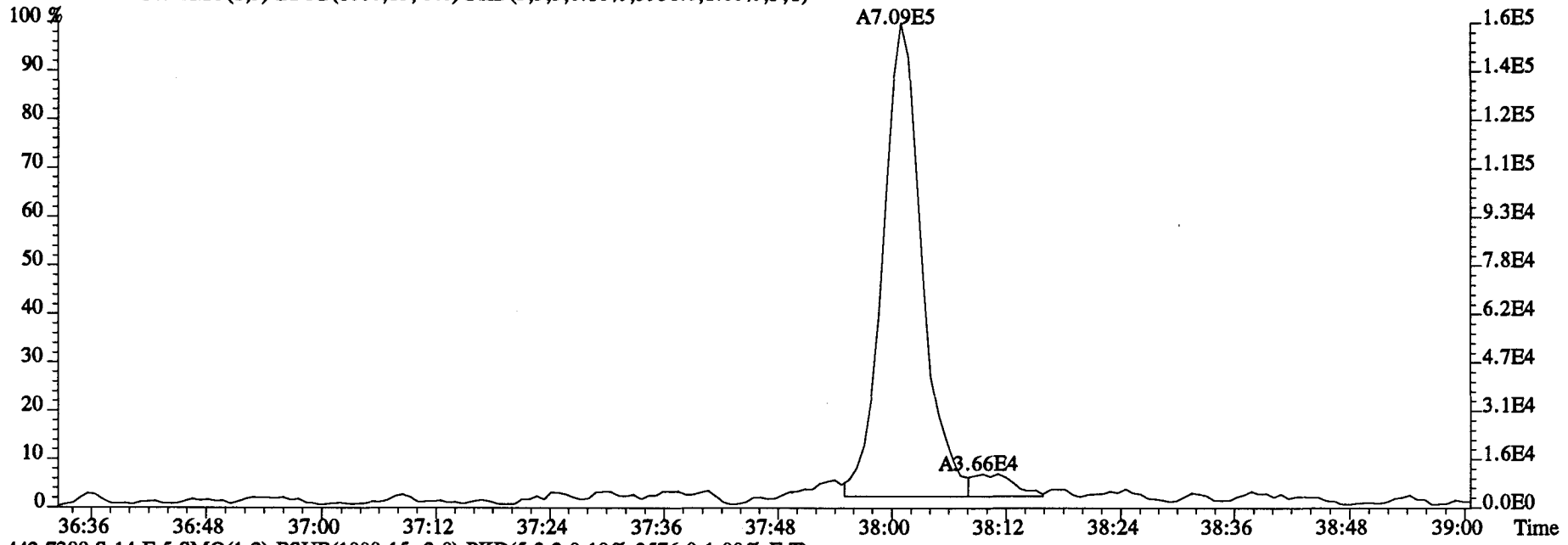




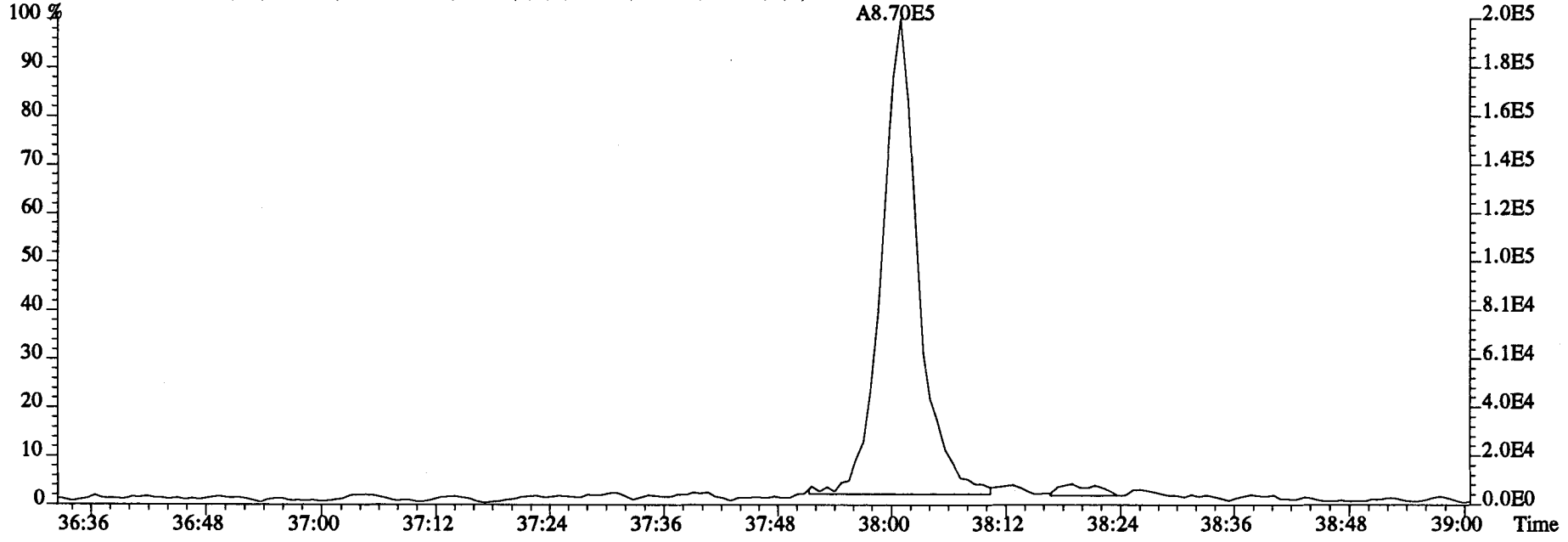




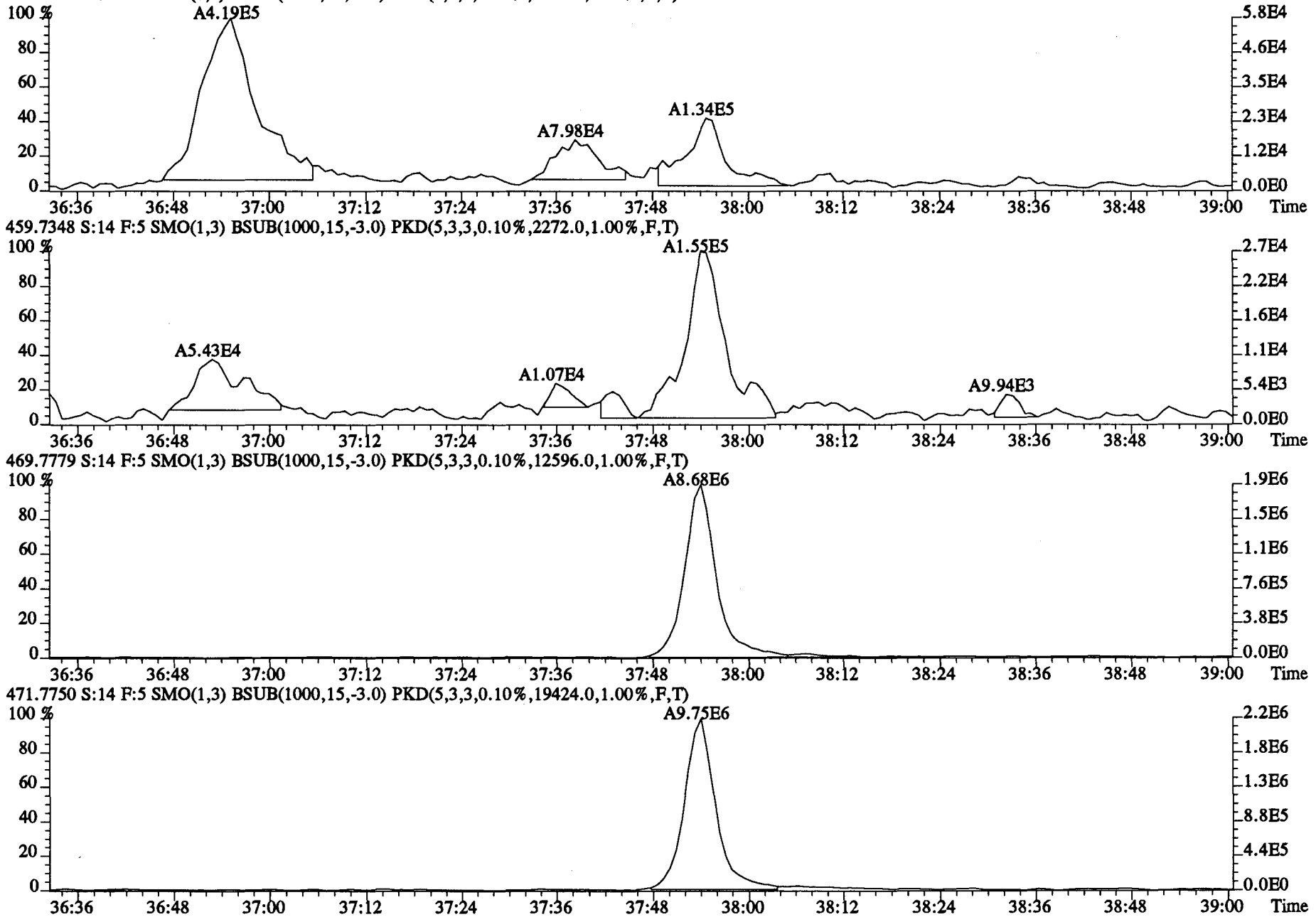
File:27AP104D5 #1-190 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A
441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3956.0,1.00%,F,T)



443.7399 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)

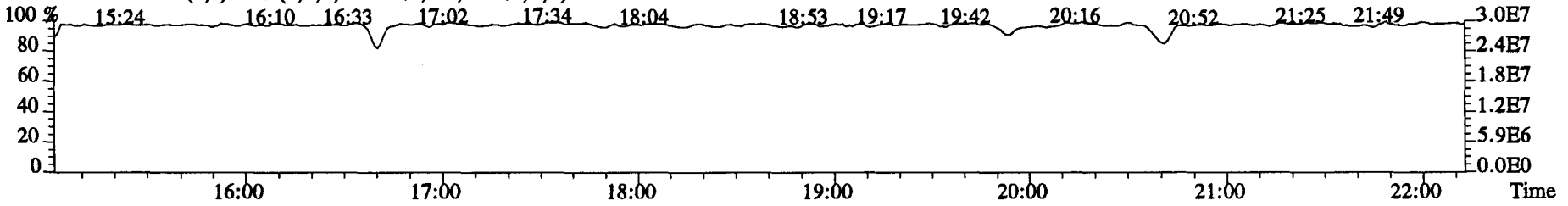


File:27AP104D5 #1-190 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

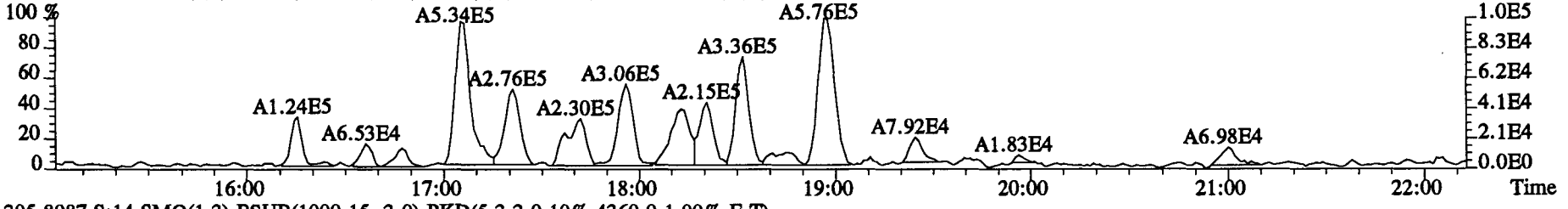


File:27AP104D5 #1-434 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A

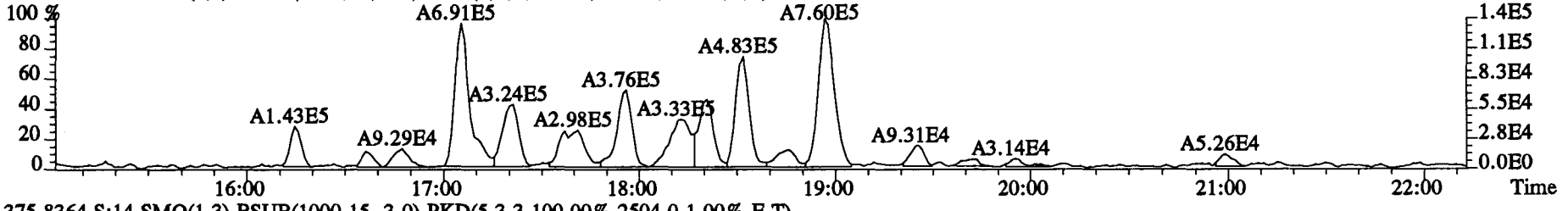
354.9792 S:14 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



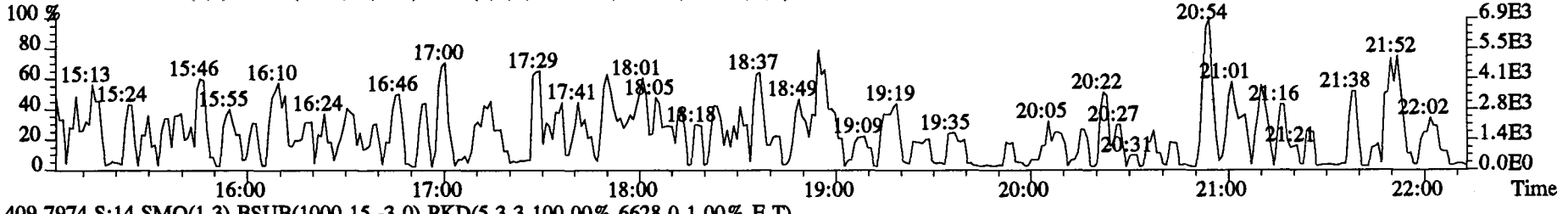
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4248.0,1.00%,F,T)



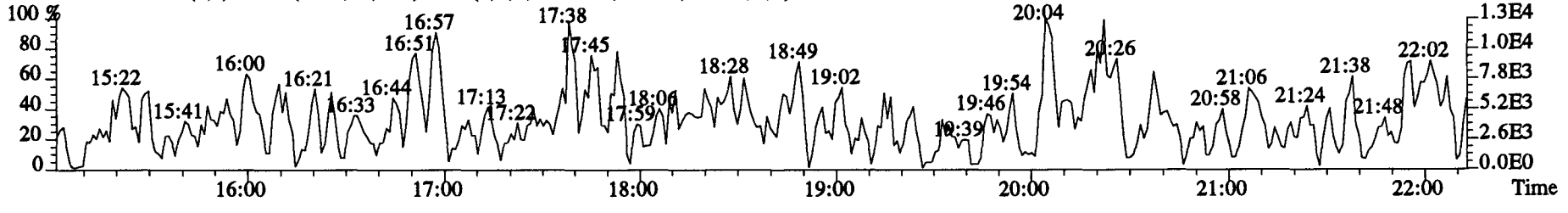
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)



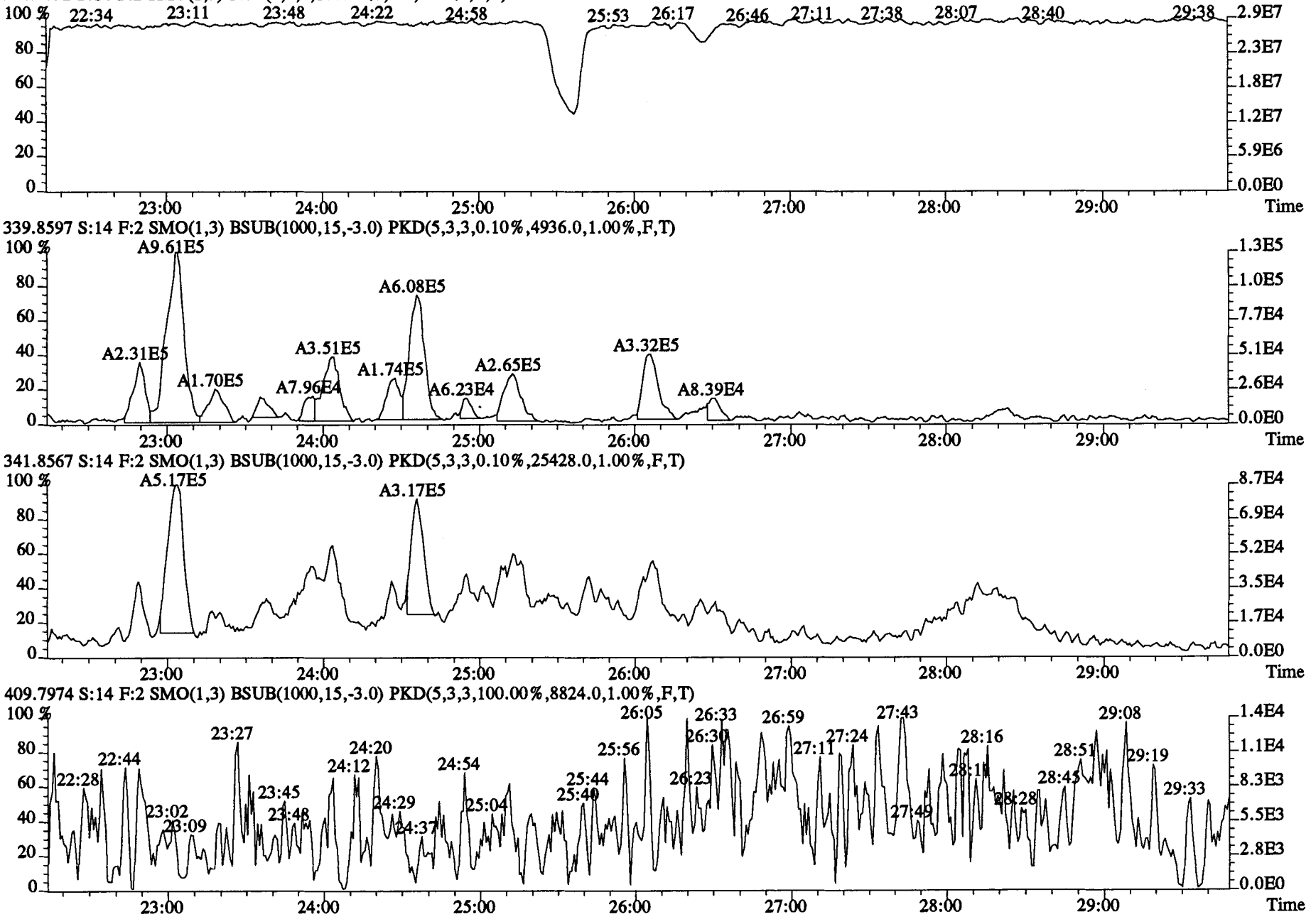
375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2504.0,1.00%,F,T)



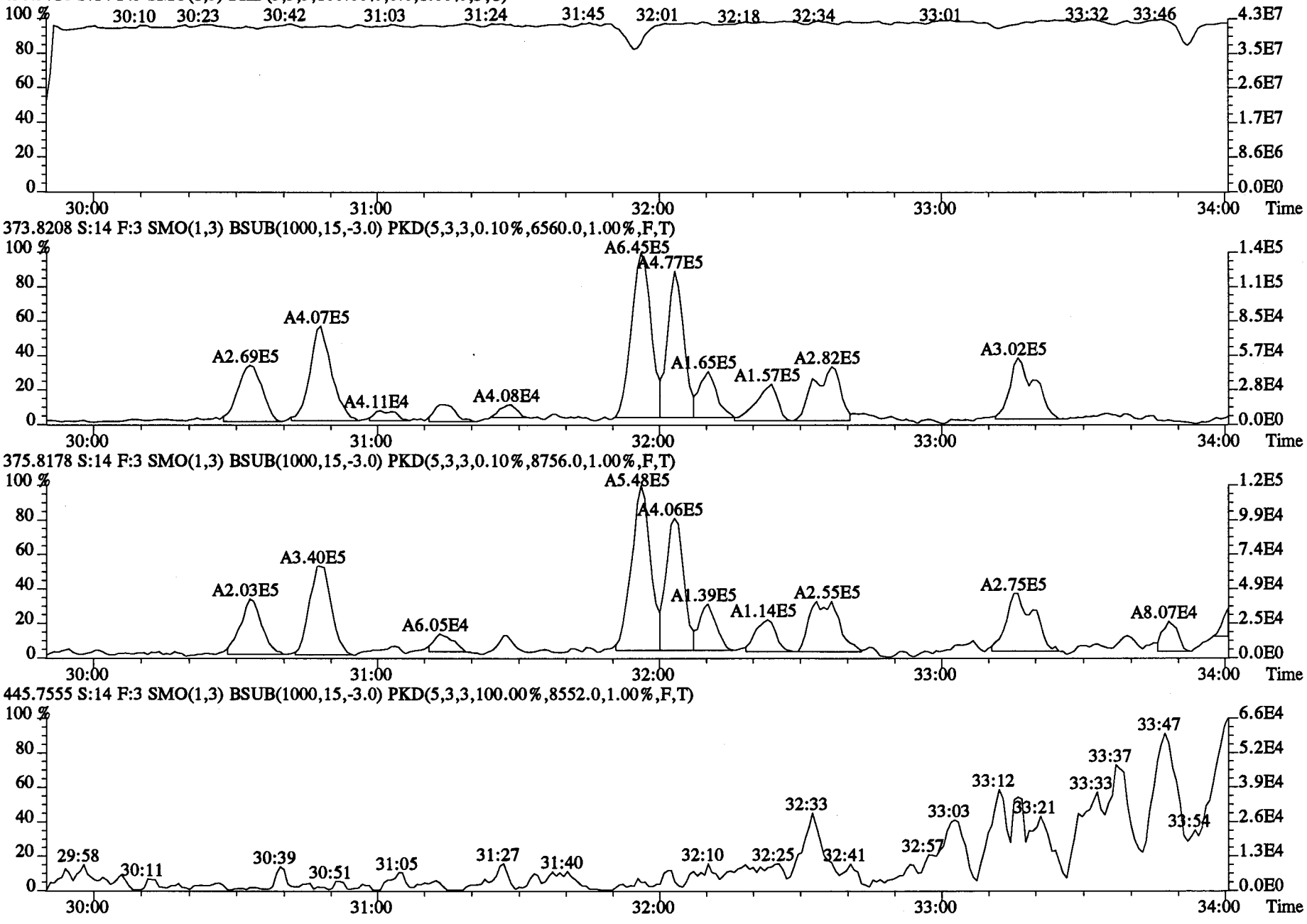
409.7974 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,6628.0,1.00%,F,T)



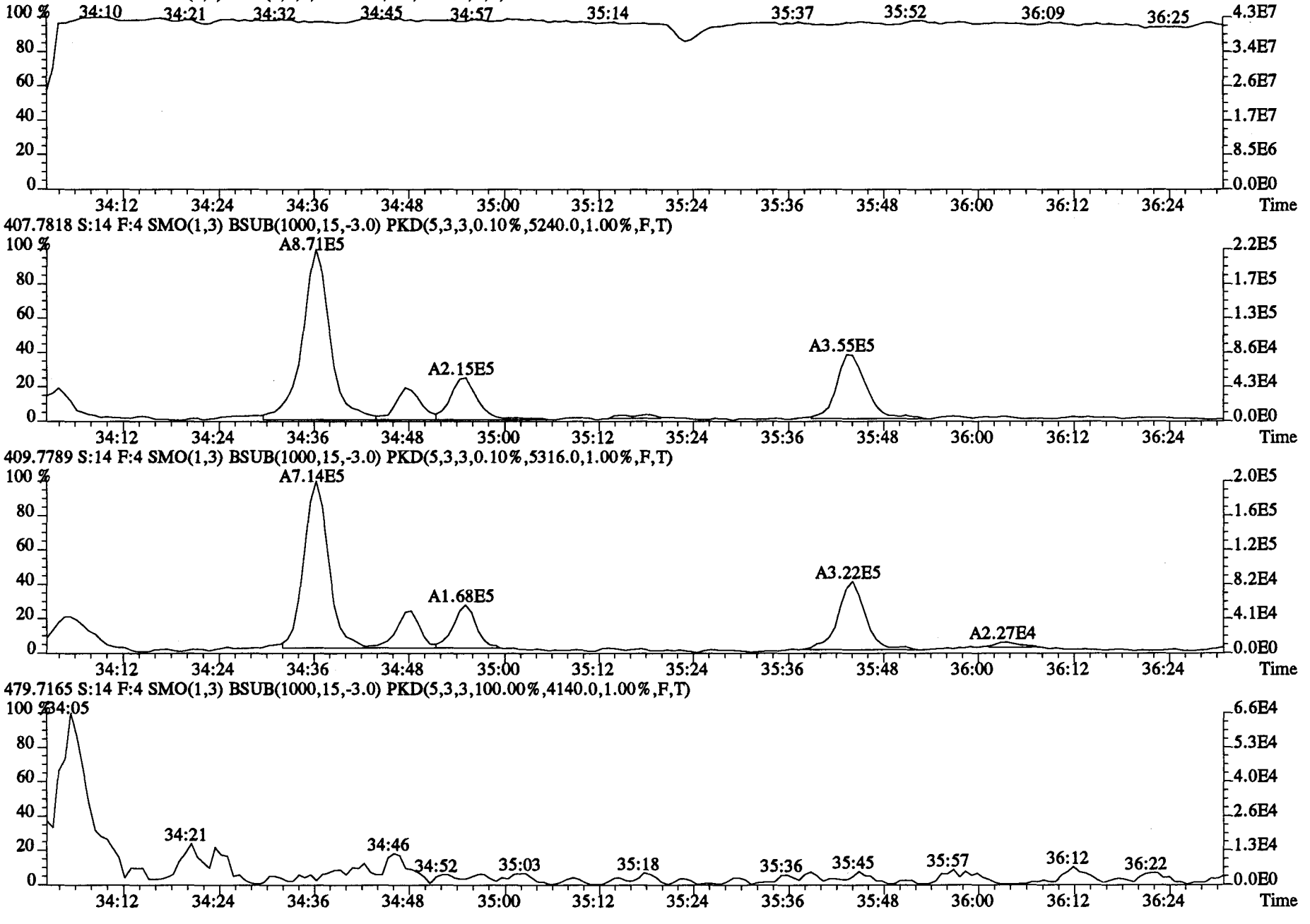
File:27AP104D5 #1-604 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A



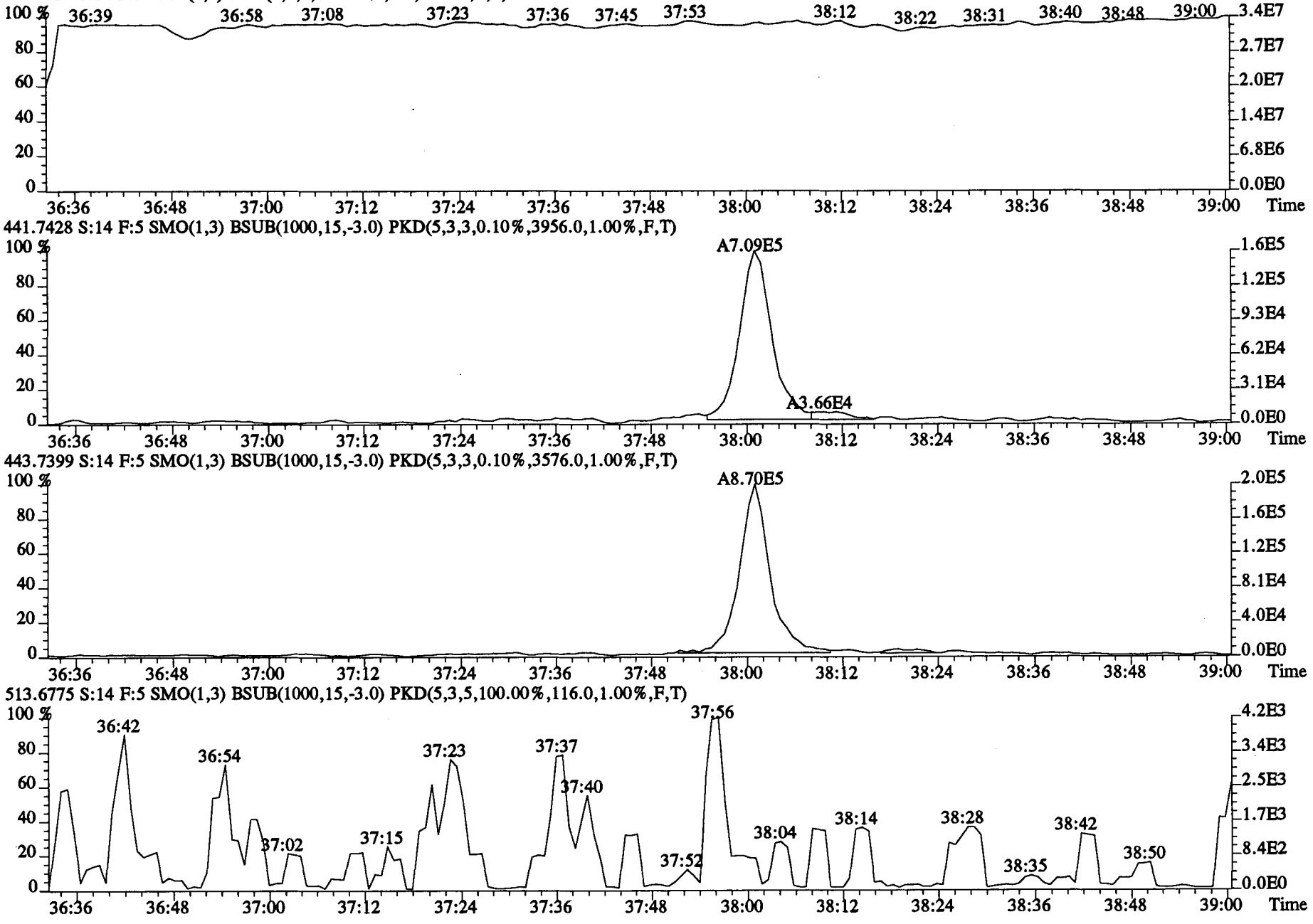
File:27AP104D5 #1-317 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A



File:27AP104D5 #1-198 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A



File:27AP104D5 #1-190 Acq:27-APR-2010 21:25:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:LXXTR-1-AD :G0D140435-4 Exp:DIOXINRES8290A



Run text: LXXTR-1-AD Sample text: LXXTR-1-AD :G0D140435-4
Run #16 Filename: 28AP105D2 S: 12 I: 1 Results: 28AP105D2DB225OS
Acquired: 28-APR-10 16:21:09 Processed: 28-APR-10 19:39:54
Run: 28AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1:1600.000 Factor 2:20.000 Sample size: 10.03 g ✓

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	46656400	0.77	y	15:00	-	4.676		-	-	n
13C-2,3,7,8-TCDF	101247100	0.81	y	16:10	2.11	102.719		0.396	51.5	n
2,3,7,8-TCDF	266760	0.81	y	16:12	1.09	0.483	J	0.248	-	y
13C-2,3,7,8-TCDD	55973600	0.76	y	14:47	0.95	126.1		0.497	63.2	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.36	*		0.201	-	n
37Cl-2,3,7,8-TCDD	65797000	1.00	y	14:48	2.28	61.719		0.111	77.4	n

05
04-29-10

Run text: LXXTR-1-AD Sample text: LXXTR-1-AD :G0D140435-4
Run #16 Filename: 28AP105D2 S: 12 I: 1 Results: 28AP105D2DB225
Acquired: 28-APR-10 16:21:09 Processed: 28-APR-10 19:39:54
Run: 28AP105D2 Analyte: DB225HRS Cal: DB2250421105D2
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.0300 g

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	46656400	0.77	y	15:00	-	4.68		-	-	n
13C-2,3,7,8-TCDF	101247100	0.81	y	16:10	2.11	102.72		0.40	51.5	n
2,3,7,8-TCDF	249156	0.69	y	16:12	1.09	0.45	J	0.25	-	n
13C-2,3,7,8-TCDD	55973600	0.76	y	14:47	0.95	~~126.11~~		~~0.50~~	63.2	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.36	*		0.20	-	n
37Cl-2,3,7,8-TCDD	65797000	1.00	y	14:48	2.28	61.72		0.11	77.4	n

OS

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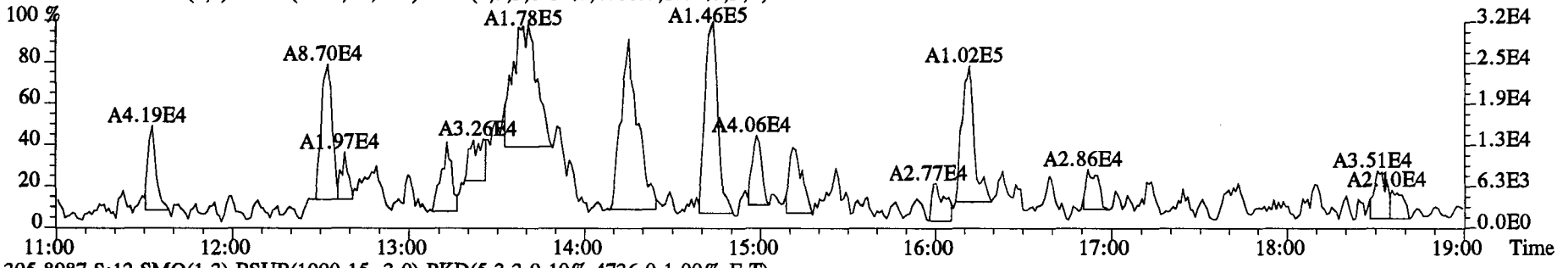
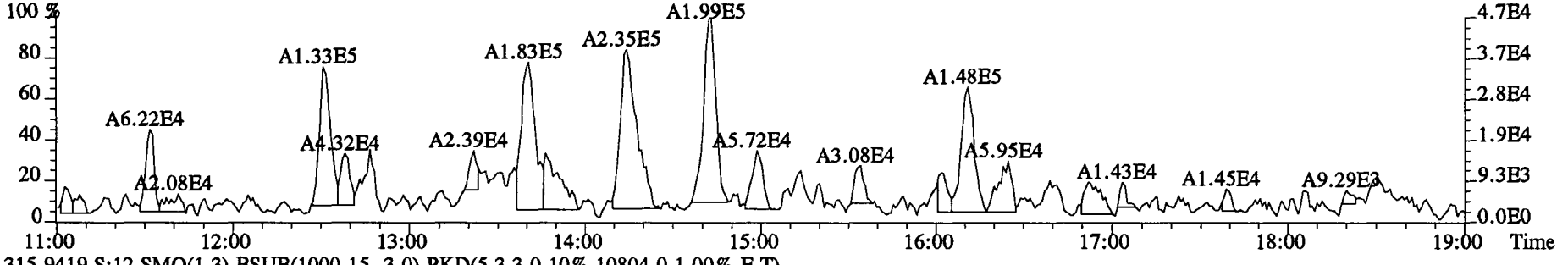
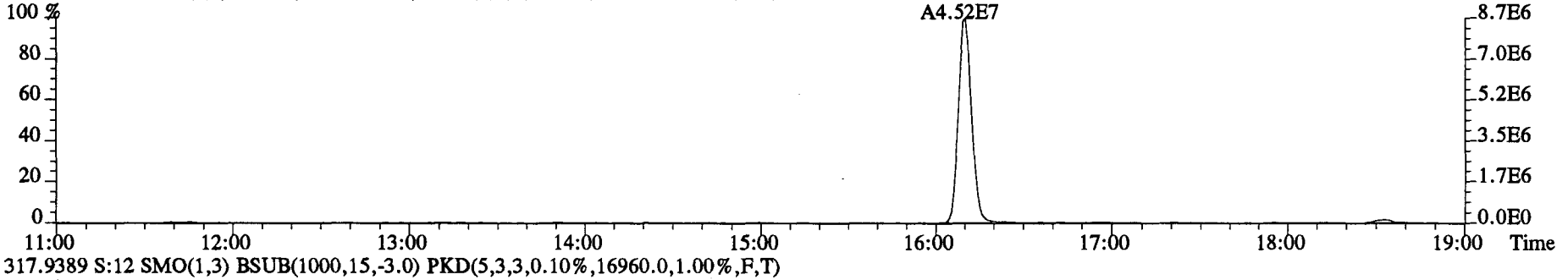
File:28AP105D2 #1-1241 Acq:28-APR-2010 16:21:09 GC EI+ Voltage SIR 70SE
Sample#12 Text:LXXTR-1-AD :G0D140435-4 Exp:DB225RES
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4008.0,1.00%,F,T)



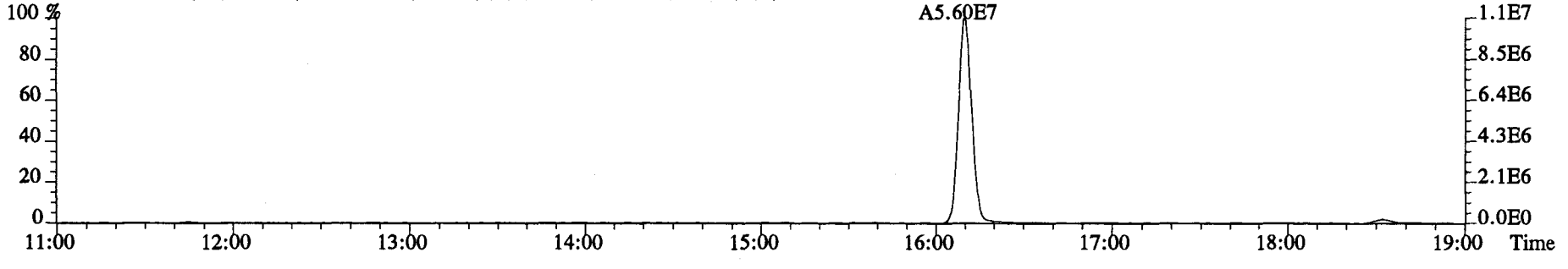
305.8987 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4736.0,1.00%,F,T)



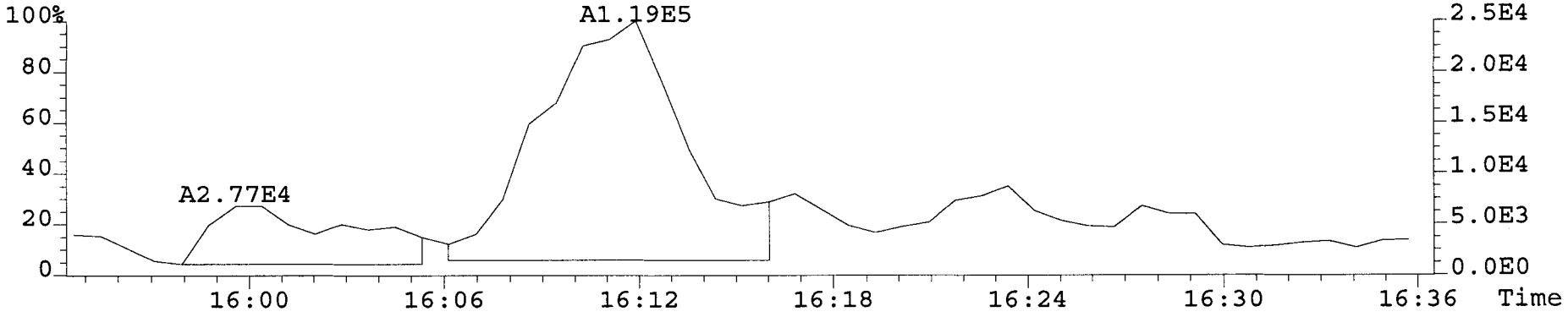
315.9419 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10804.0,1.00%,F,T)



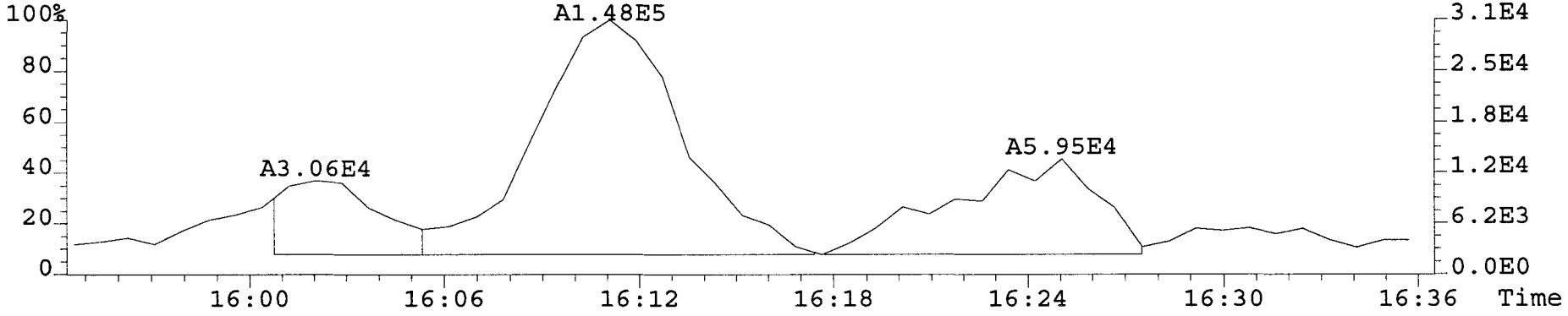
317.9389 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16960.0,1.00%,F,T)



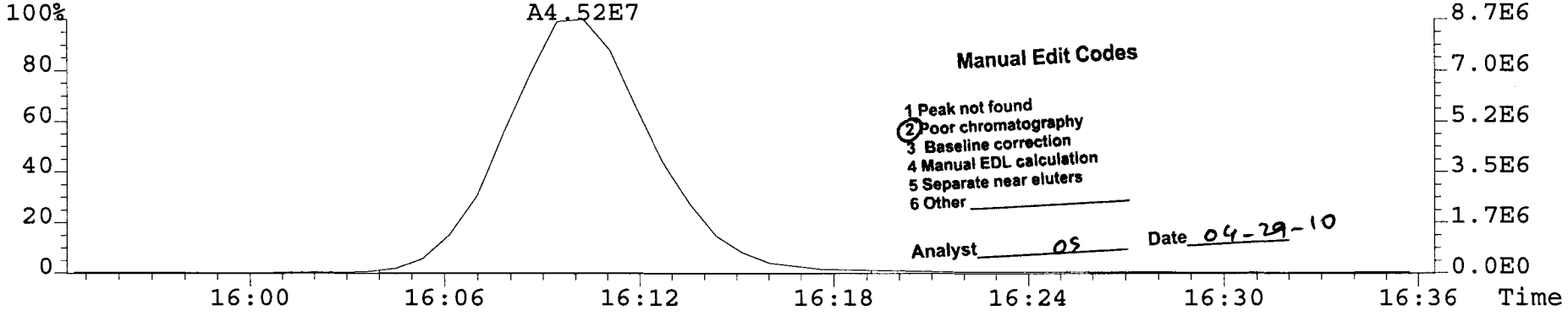
File:28AP105D2 #1-1241 Acq:28-APR-2010 16:21:09 GC EI+ Voltage SIR 70SE
Sample#12 Text:LXXTR-1-AD :G0D140435-4 Exp:DB225RES
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4008.0,1.00%,F,T)



305.8987 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4736.0,1.00%,F,T)



315.9419 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10804.0,1.00%,F,T)

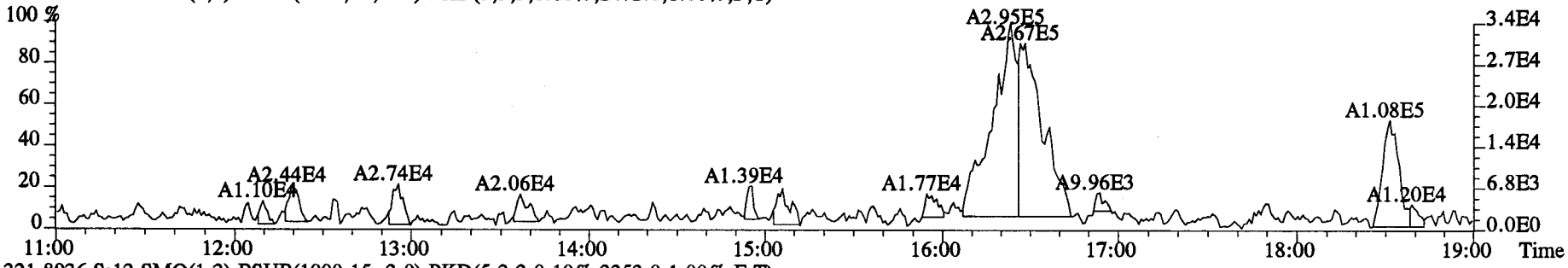


Manual Edit Codes

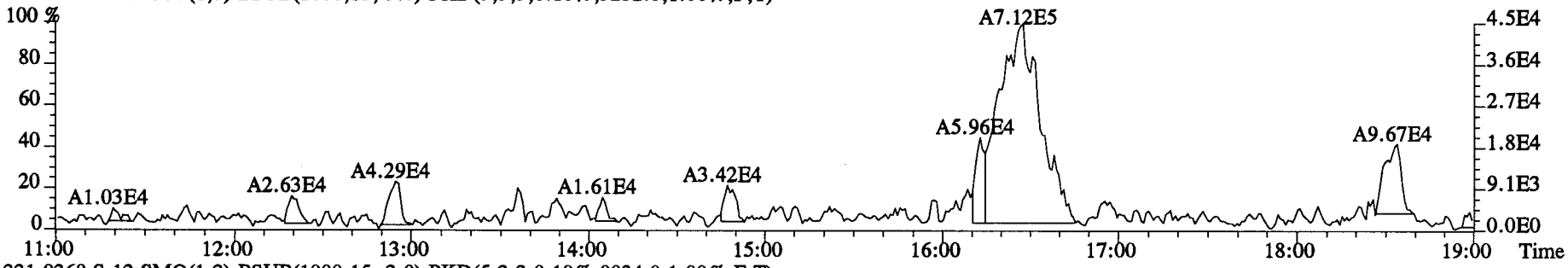
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst OS Date 04-29-10

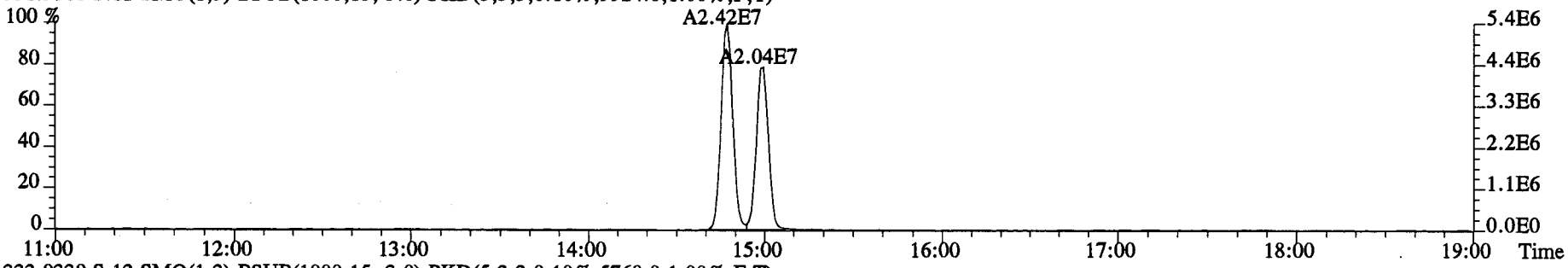
File:28AP105D2 #1-1241 Acq:28-APR-2010 16:21:09 GC EI+ Voltage SIR 70SE
Sample#12 Text:LXXTR-1-AD :G0D140435-4 Exp:DB225RES
319.8965 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2472.0,1.00%,F,T)



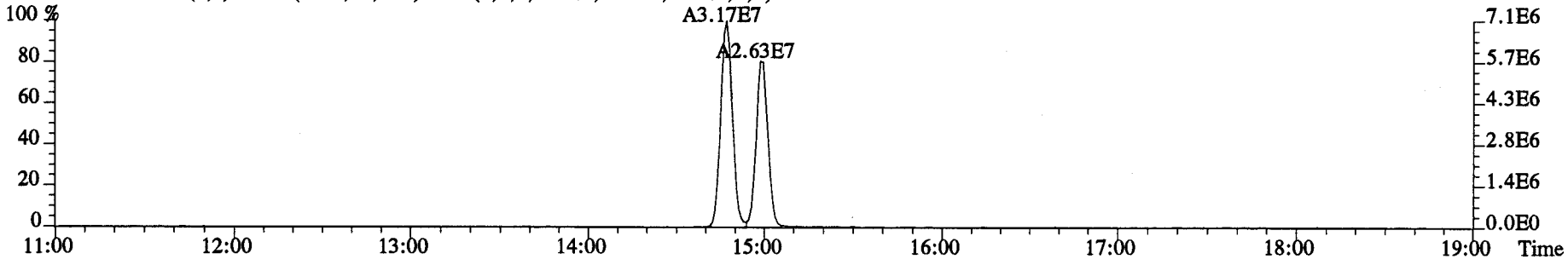
321.8936 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3252.0,1.00%,F,T)



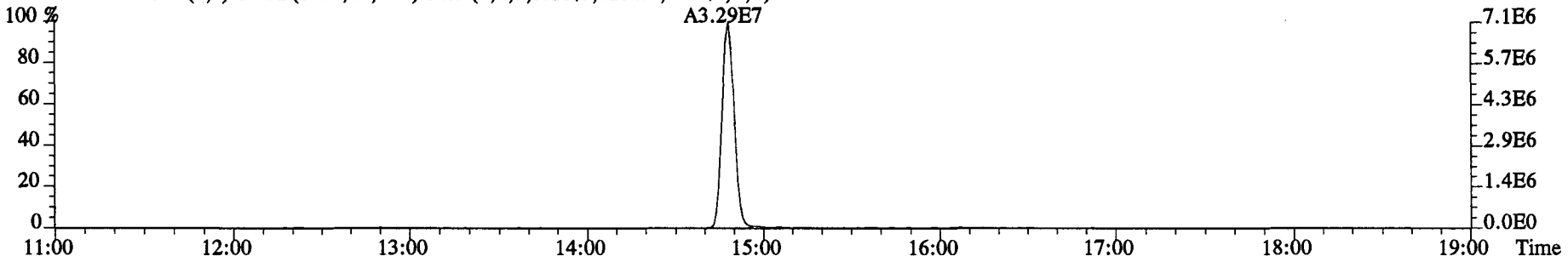
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9924.0,1.00%,F,T)



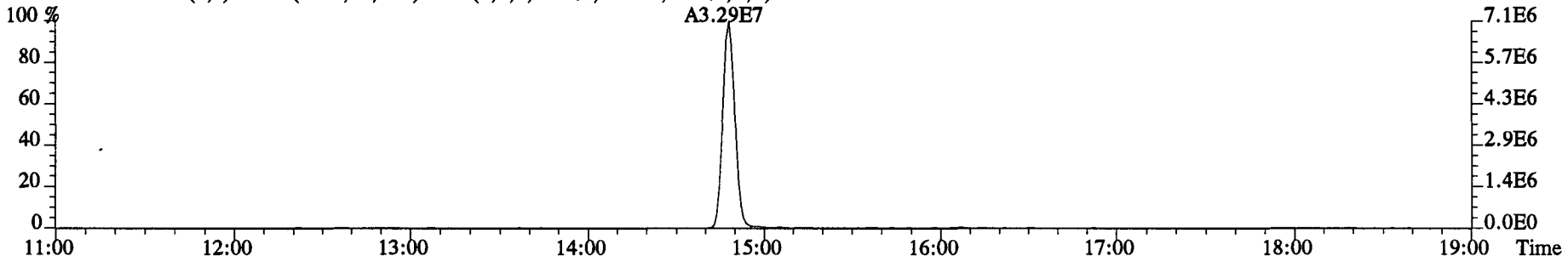
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5768.0,1.00%,F,T)



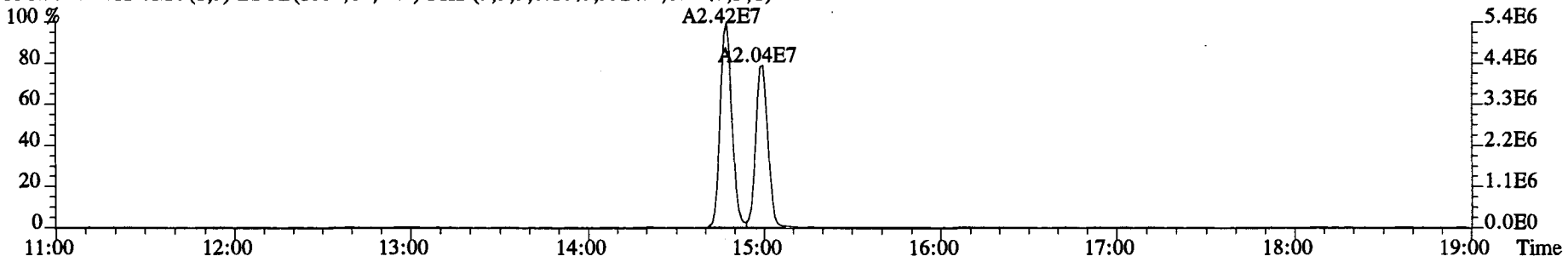
File:28AP105D2 #1-1241 Acq:28-APR-2010 16:21:09 GC EI+ Voltage SIR 70SE
Sample#12 Text:LXXTR-1-AD :G0D140435-4 Exp:DB225RES
327.8840 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4204.0,1.00%,F,T)



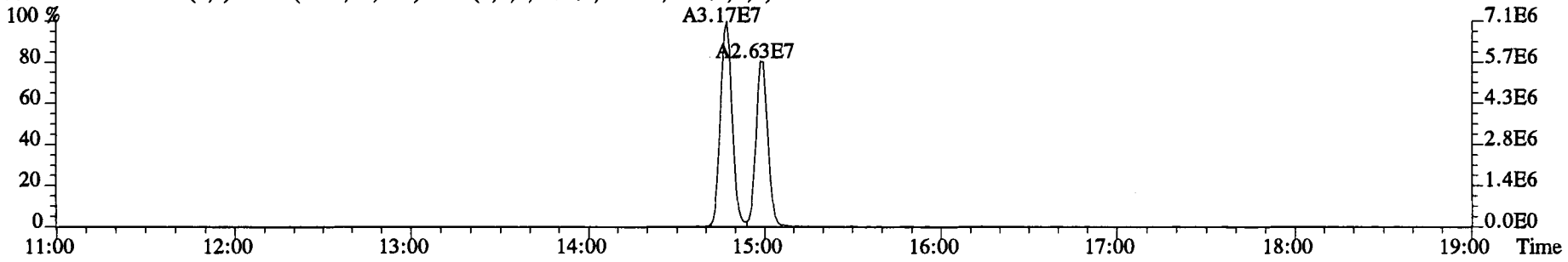
327.8840 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4204.0,1.00%,F,T)



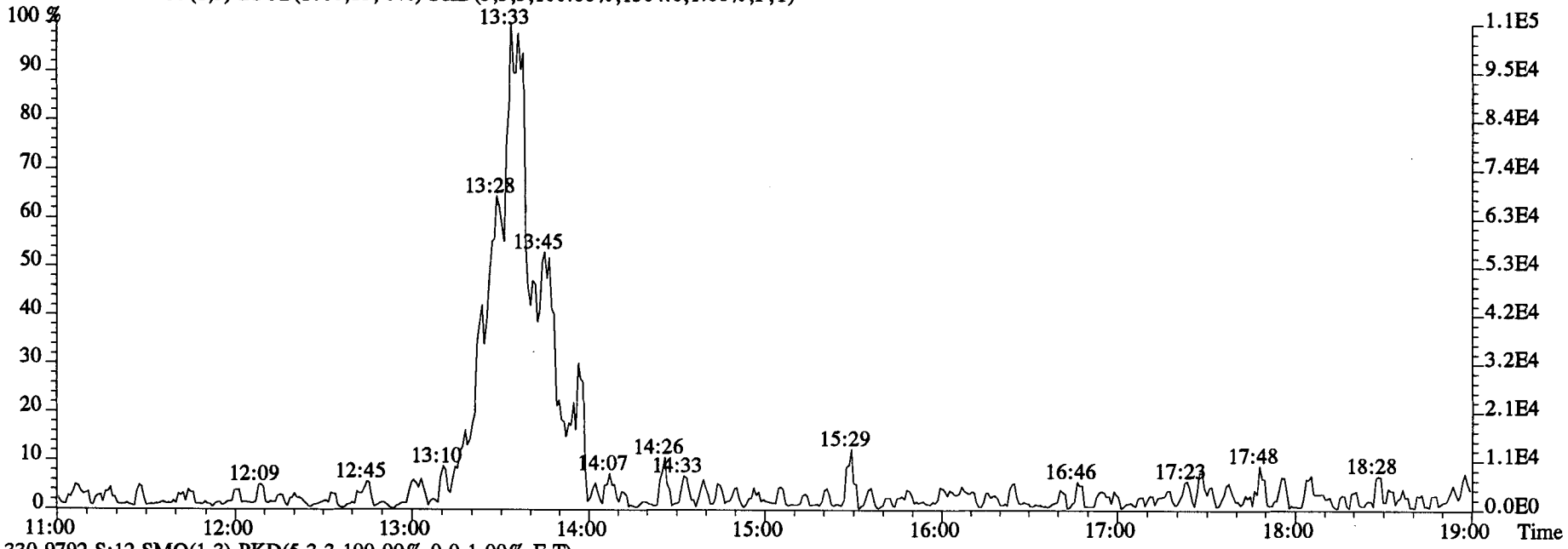
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9924.0,1.00%,F,T)



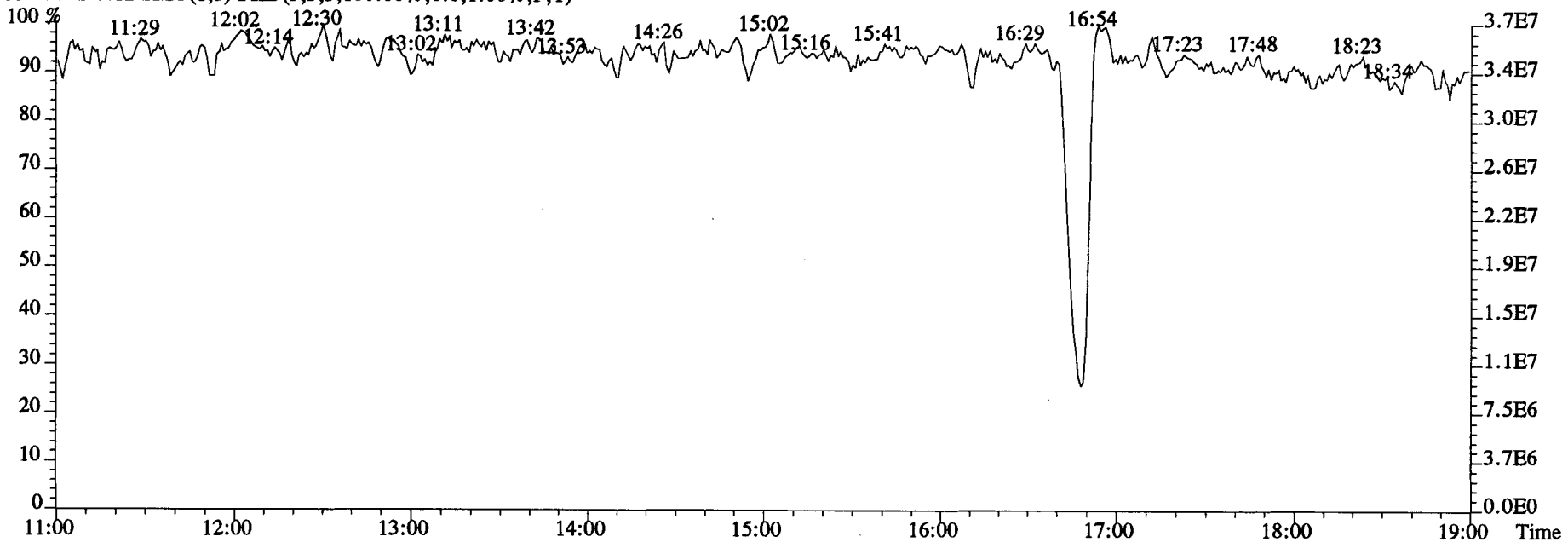
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5768.0,1.00%,F,T)



File:28AP105D2 #1-1241 Acq:28-APR-2010 16:21:09 GC EI+ Voltage SIR 70SE
Sample#12 Text:LXXTR-1-AD :G0D140435-4 Exp:DB225RES
375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1504.0,1.00%,F,T)



330.9792 S:12 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Quantify Sample Summary Report **MassLynx 4.1**

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

VG 4.3.6

Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:28:13 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1, Task:

#	Name	Trace	Sample Size	RT	Pred.RT	RRF(M)	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Pred.Ratio	Ratio...	Mod.Date
1	13C-1,2,3,4-TCDD	331.9368	10.500	26.06	26.07	1.000	1200316.56	95.2381	95.2381	100.0	0.1040	0.771	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	10.500	25.45	25.50	1.292	2853984.88	175.2450	175.2450	92.0	0.0889	0.801	0.770	NO	
4	2,3,7,8-TCDF	303.9016	10.500	25.47	25.47	0.983	9250.49	0.6280	0.6280 JB		0.0478	0.774	0.770	NO	
5	Total TCDFs	303.9016	10.500		21.44	0.983		3.2775	~~2.9261~~		0.0478				
6															
7	13C-2,3,7,8-TCDD	331.9368	10.500	26.30	26.32	0.897	1918671.56	169.7002	169.7002	89.1	0.1160	0.770	0.770	NO	
8	2,3,7,8-TCDD	319.8965	10.500	26.32	26.32	1.051	860.31	0.0813	~~0.0221~~		0.0256	0.134	0.770	YES	
9	Total TCDDs	319.8965	10.500		19.55	1.051		0.3003	~~0.2082~~		0.0256				
10															
11	37CL-2,3,7,8-TCDD	327.8847	10.500	26.33	26.32	1.067	1033702.25	76.8652	0.0000	100.9	0.0388				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	10.500	31.32	31.31	1.011	2102947.56	165.0210	165.0210	86.6	0.2781	1.658	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.500	31.35	31.35	1.018	4888.25	0.4351	0.4351 JB		0.0760	1.717	1.550	NO	30-Apr-10
15	2,3,4,7,8-PeCDF	339.8597	10.500	32.92	32.91	1.014	3136.83	0.2801	0.2801 J		0.0762	1.528	1.550	NO	30-Apr-10
16	Total F2 PeCDFs	339.8597	10.500		34.47	1.016		1.4998	~~1.2896~~		0.0761				
17	Total F1 PeCDFs	339.8597	10.500		36.56	1.016		0.3142	~~0.2723~~		0.0776				
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	10.500	33.74	33.74	0.668	1421744.25	168.8183	168.8183	88.6	0.1573	1.625	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.500	33.76	33.76	0.996	75.35	0.0101	~~0.0088~~		0.0775	1.112	1.550	YES	
21	Total PeCDDs	355.8546	10.500		31.10	0.996		0.2223	~~0.1457~~		0.0775				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.500	41.62	41.63	1.000	800508.81	95.2381	95.2381	100.0	0.3509	1.315	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.500	40.13	40.14	0.888	1116691.41	149.5816	149.5816	78.5	0.5605	0.520	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.500	40.15	40.15	1.242	8287.29	1.1386	1.1386 JB		0.1282	1.347	1.240	NO	30-Apr-10
27	1,2,3,6,7,8-HxCDF	373.8208	10.500	40.30	40.31	1.427	6133.00	0.7332	0.7332 JB		0.1116	1.291	1.240	NO	30-Apr-10
28	2,3,4,6,7,8-HxCDF	373.8208	10.500	41.04	41.03	1.288	465.82	0.0617	~~0.0617~~		0.1236	1.123	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.500		41.80	1.216			ND		0.1309		1.240	NO	
30	Total HxCDFs	373.8208	10.500		0.00	1.293		1.9334	~~1.9334~~		0.1231				
31															

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:28:13 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1, Task:

#	Name	Trap	Sample Size	RT	Prd RT	RRF M	Abs Resp	Conc	EMPC	Rec	EDL	Ratio	Prd Ratio	Ratio	Modified
32	13C-1,2,3,6,7,8-HxCDD	401.8559	10.500	41.30	41.31	0.811	1217449.59	178.5351	178.5351	93.7	0.4325	1.341	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	10.500	41.27	41.21	0.883	308.12	0.0546	~~0.0486~~		0.0617	1.517	1.240	YES	30-Apr-10
34	1,2,3,6,7,8-HxCDD	389.8157	10.500	41.33	41.31	1.084	658.85	0.0951	0.0803 JQ		0.0502	1.653	1.240	YES	30-Apr-10
35	1,2,3,7,8,9-HxCDD	389.8157	10.500	41.63	41.63	1.184	638.32	0.0843	0.0843 J		0.0460	1.082	1.240	NO	30-Apr-10
36	Total HxCDDs	389.8157	10.500		0.00	1.050		0.2809	~~0.2519~~		0.0519				
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.500	43.28	43.27	0.801	959932.59	142.5605	142.5605	74.8	0.6112	0.458	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	10.500	43.28	43.30	1.381	13707.41	1.9691	1.9691 J B		0.0881	1.060	1.040	NO	30-Apr-10
40	1,2,3,4,7,8,9-HpCDF	407.7818	10.500	44.50	44.47	1.110	3644.30	0.6517	0.6517 J B		0.1096	1.036	1.040	NO	30-Apr-10
41	Total HpCDFs	407.7818	10.500		0.00	1.245		3.0469	~~2.8150~~		0.0977				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.500	44.15	44.14	0.682	804421.16	140.3112	140.3112	73.7	0.3532	1.049	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	10.500	44.15	44.16	1.031	1115.41	0.2563	0.2563 J B		0.0753	1.001	1.040	NO	30-Apr-10
45	Total HpCDDs	423.7766	10.500		0.00	1.031		0.3783	~~0.3639~~		0.0753				
46															
47	13C-OCDD	469.7779	10.500	46.77	46.73	0.497	883004.38	211.3379	211.3379	55.5	0.9742	0.882	0.890	NO	30-Apr-10
48	OCDF	441.7428	10.500	46.89	46.87	1.426	19085.40	5.7749	5.7749 J B		0.3488	0.921	0.890	NO	30-Apr-10
49	OCDD	457.7377	10.500		46.78	1.155			0.2536 J B		0.1540		0.890	NO	
50															
51															
52	Function 1 PFK	330.97920	1.000	28.66	28.66		27840.73								
53	Function 2 PFK	342.97920	1.000	36.94	36.91		10363.84								
54	Function 3 PFK	380.97600	1.000		41.66										
55	Function 4 PFK	430.97290	1.000		43.29										
56	Function 5 PFK	442.97280	1.000		48.80										
57	TCDF PCDPE	375.8364	1.000		24.99										
58	F1 PeCDF PCDPE	409.79740	1.000		21.98										
59	F2 PeCDF PCDPE	409.7974	1.000	33.53	33.61		33.84								
60	HXCDF PCDPE	445.7555	1.000	38.56	38.56		75.49								
61	HPCDF PCDPE	479.7165	1.000	43.95	44.00		202.51								
62	OCDF PCDPE	513.67750	1.000	47.83	47.82		5.51								

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:48:50 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	10.500	26.06	26.07	1.000		1200316.56	95.2381	95.2381	100.0	0.1040	0.771	0.770	NO	
2																
3	13C-2,3,7,8-TCDF	315.9419	10.500	25.45	25.50	1.292		2853984.88	175.2450	175.2450	92.0	0.0889	0.801	0.770	NO	
4	2,3,7,8-TCDF	303.9016	10.500	25.47	25.47	0.983		9250.49	0.6280	0.6280		0.0478	0.774	0.770	NO	
5	Total TCDFs	303.9016	10.500		21.44	0.983			3.2775	2.9261		0.0478				
6																
7	13C-2,3,7,8-TCDD	331.9368	10.500	26.30	26.32	0.897		1918671.56	169.7002	169.7002	89.1	0.1160	0.770	0.770	NO	
8	2,3,7,8-TCDD	319.8965	10.500	26.32	26.32	1.051		860.31	0.0813	0.0221		0.0256	0.134	0.770	YES	
9	Total TCDDs	319.8965	10.500		19.55	1.051			0.3003	0.2082		0.0256				
10																
11	37CL-2,3,7,8-TCDD	327.8847	10.500	26.33	26.32	1.067		1033702.25	76.8652	0.0000	100.9	0.0388				
12																
13	13C-1,2,3,7,8-PeCDF	351.9000	10.500	31.32	31.31	1.011		2102947.56	165.0210	165.0210	86.6	0.2781	1.658	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.500	31.35	31.35	1.018		4944.17	0.4401	0.2659		0.0760	3.220	1.550	YES	
15	2,3,4,7,8-PeCDF	339.8597	10.500	32.92	32.91	1.014		1299.12	0.1160	0.0332		0.0762	7.912	1.550	YES	
16	Total F2 PeCDFs	339.8597	10.500		34.47	1.016			1.3407	0.8734		0.0761				
17	Total F1 PeCDFs	339.8597	10.500		36.56	1.016			0.3142	0.2723		0.0776				
18																
19	13C-1,2,3,7,8-PeCDD	367.8949	10.500	33.74	33.74	0.668		1421744.25	168.8183	168.8183	88.6	0.1573	1.625	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.500	33.76	33.76	0.996		75.35	0.0101	0.0088		0.0775	1.112	1.550	YES	
21	Total PeCDDs	355.8546	10.500		31.10	0.996			0.2223	0.1457		0.0775				
22																
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.500	41.62	41.63	1.000		800508.81	95.2381	95.2381	100.0	0.3509	1.315	1.240	NO	
24																
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.500	40.13	40.14	0.888		1116691.41	149.5816	149.5816	78.5	0.5605	0.520	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.500	40.15	40.15	1.242		7494.61	1.0297	1.0297		0.1282	1.153	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	10.500	40.30	40.31	1.427		5006.23	0.5985	0.5212		0.1116	0.931	1.240	YES	
28	2,3,4,6,7,8-HxCDF	373.8208	10.500	41.04	41.03	1.288		465.82	0.0617	0.0617		0.1236	1.123	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.500		41.80	1.216						0.1309		1.240	NO	
30	Total HxCDFs	373.8208	10.500		0.00	1.293			1.6898	1.6126		0.1231				
31																
32	13C-1,2,3,6,7,8-HxCDD	401.8559	10.500	41.30	41.31	0.811		1217449.59	178.5351	178.5351	93.7	0.4325	1.341	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	10.500	41.31	41.21	0.883		419.07	0.0743	0.0651		0.0617	1.556	1.240	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	10.500	41.63	41.31	1.084		426.61	0.0615	0.0557		0.0502	1.005	1.240	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	10.500	41.68	41.63	1.184		146.81	0.0194	0.0194		0.0460	1.227	1.240	NO	

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:48:50 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
36	Total HxCDDs	389.8157	10.500		0.00	1.050			0.1762	0.1571		0.0519				
37																
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.500	43.28	43.27	0.801		959932.59	142.5605	142.5605	74.8	0.6112	0.458	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	10.500	43.28	43.30	1.381		12000.97	1.7240	1.7240		0.0881	1.094	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	10.500	44.50	44.47	1.110		3010.41	0.5384	0.4626		0.1096	1.374	1.040	YES	
41	Total HpCDFs	407.7818	10.500		0.00	1.245			2.6884	2.3807		0.0977				
42																
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.500	44.15	44.13	0.682		804421.16	140.3112	140.3112	73.7	0.3532	1.049	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	10.500	44.15	44.16	1.031		677.19	0.1556	0.1316		0.0753	1.411	1.040	YES	
45	Total HpCDDs	423.7766	10.500		0.00	1.031			0.2776	0.2393		0.0753				
46																
47	13C-OCDD	469.7779	10.500	46.77	46.73	0.497		848473.03	203.0731	203.0731	53.3	0.9742	0.808	0.890	NO	
48	OCDF	441.7428	10.500	46.89	46.87	1.426		13408.20	4.2222	3.4969		0.3329	0.639	0.890	YES	
49	OCDD	457.7377	10.500	46.77	46.78	1.155		652.56	0.2536	0.2536 J		0.1470	0.760	0.890	NO	
50																
51																
52	Function 1 PFK	330.97920	1.000	28.66	28.66			27840.73								
53	Function 2 PFK	342.97920	1.000	36.94	36.91			10363.84								
54	Function 3 PFK	380.97600	1.000		41.66											
55	Function 4 PFK	430.97290	1.000		43.29											
56	Function 5 PFK	442.97280	1.000		48.80											
57	TCDF PCDPE	375.8364	1.000		24.99											
58	F1 PeCDF PCDPE	409.79740	1.000		21.98											
59	F2 PeCDF PCDPE	409.7974	1.000	33.53	33.61			33.84								
60	HXCDF PCDPE	445.7555	1.000	38.56	38.56			75.49								
61	HPCDF PCDPE	479.7165	1.000	43.95	44.00			202.51								
62	OCDF PCDPE	513.67750	1.000	47.83	47.82			5.51								

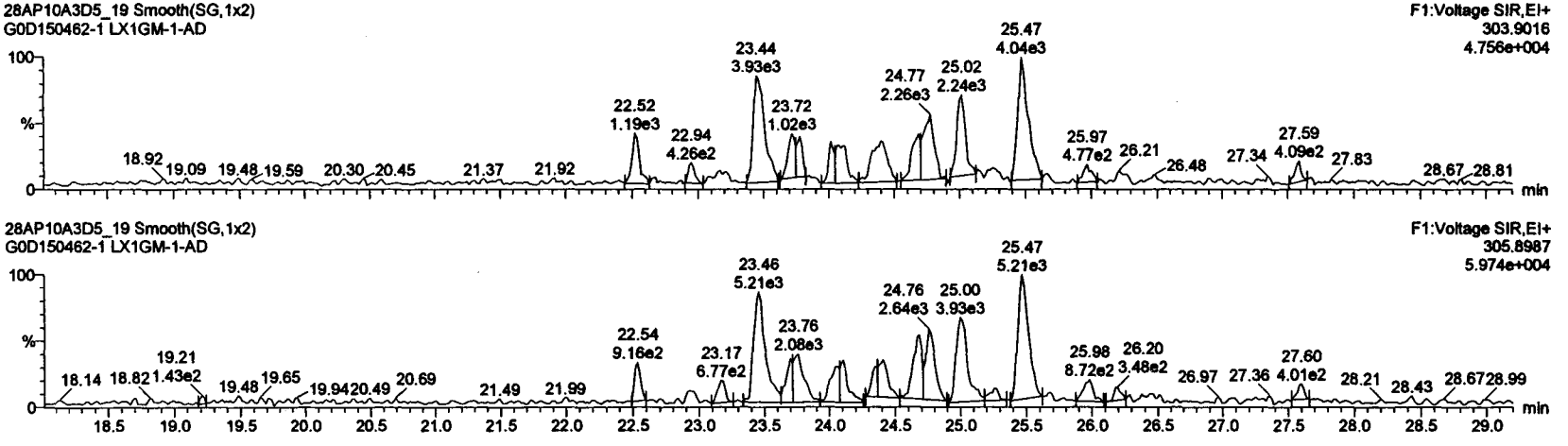
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

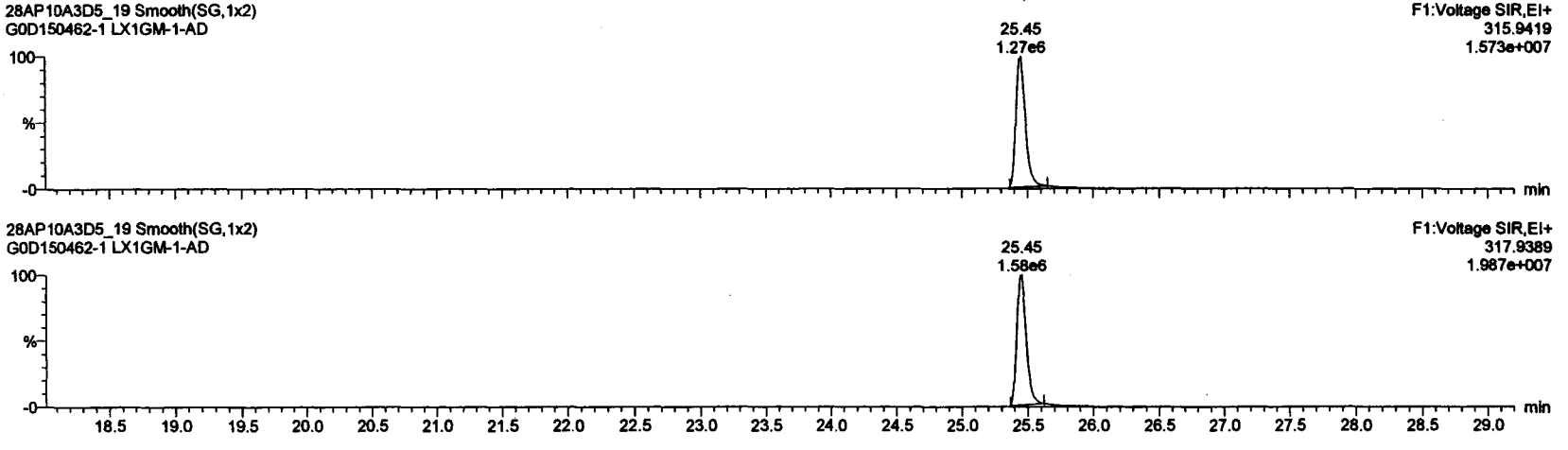
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

TCDFs



13C-TCDF



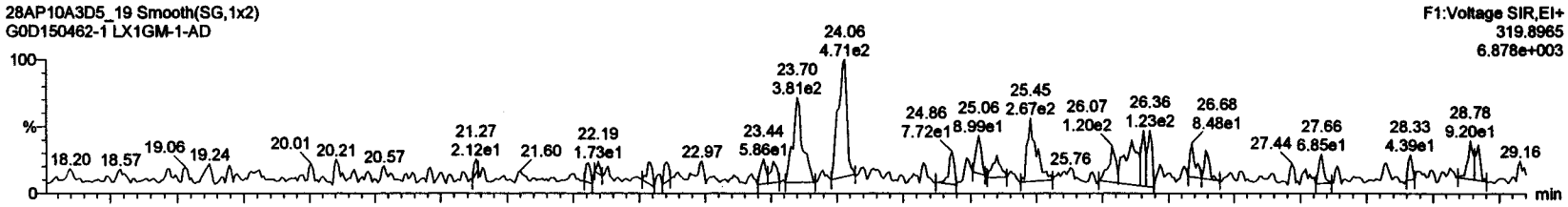
Quantify Sample Report **MassLynx 4.1**

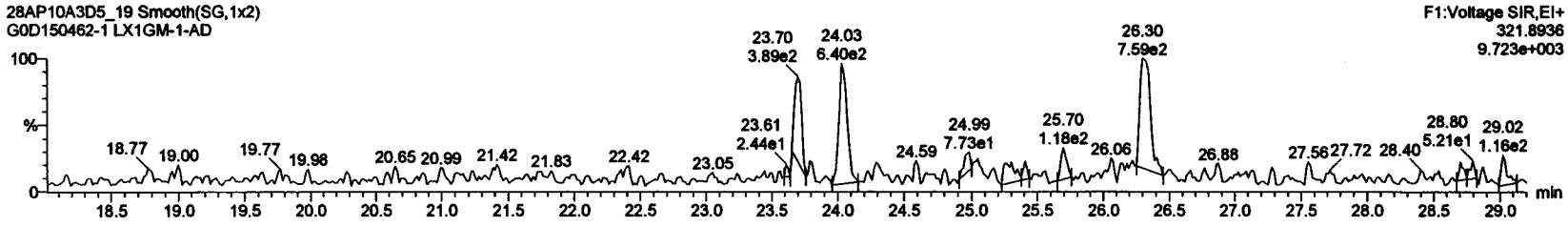
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

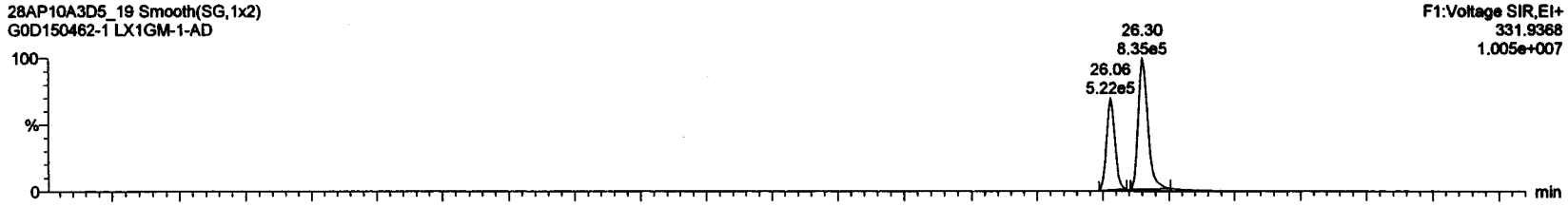
Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

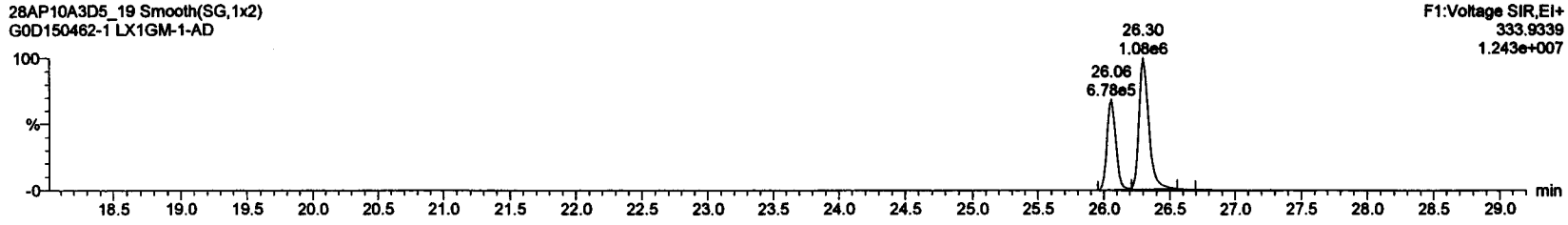
TCDDs





13C-TCDDs





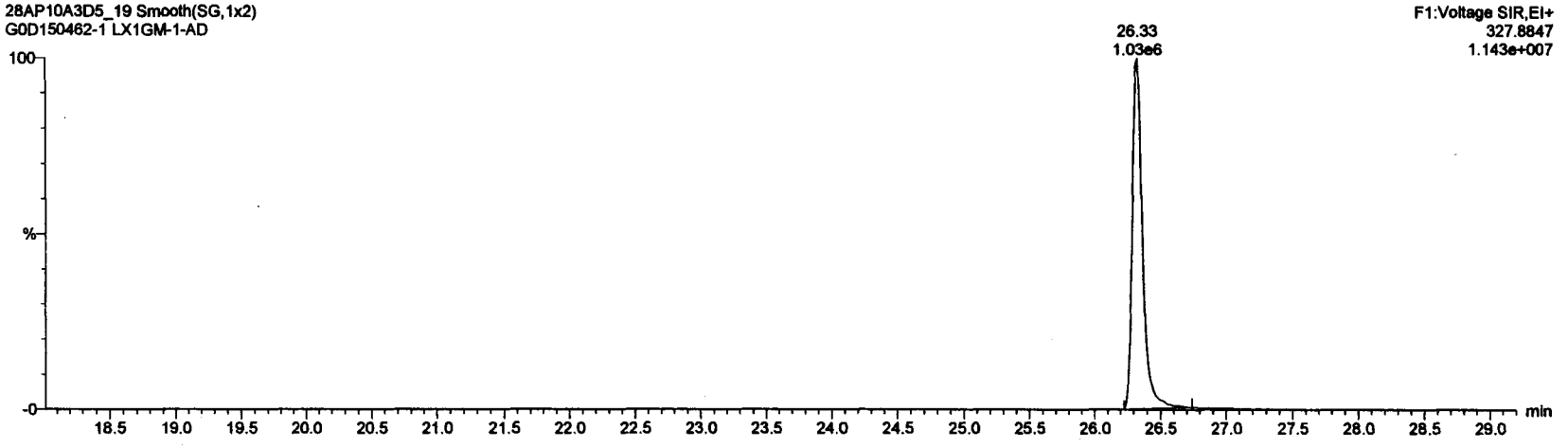
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

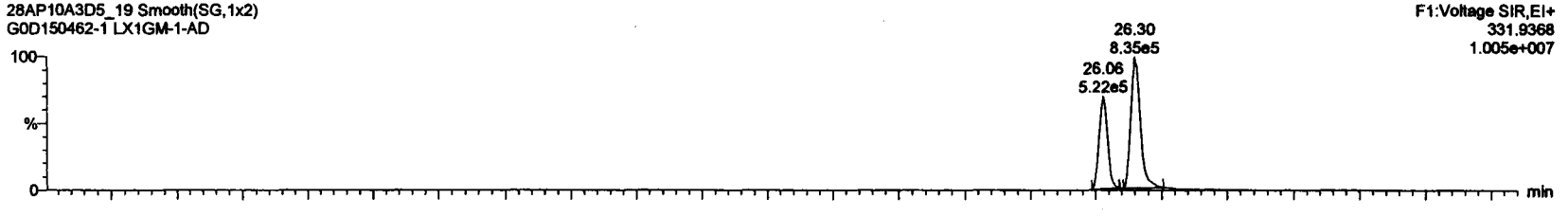
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

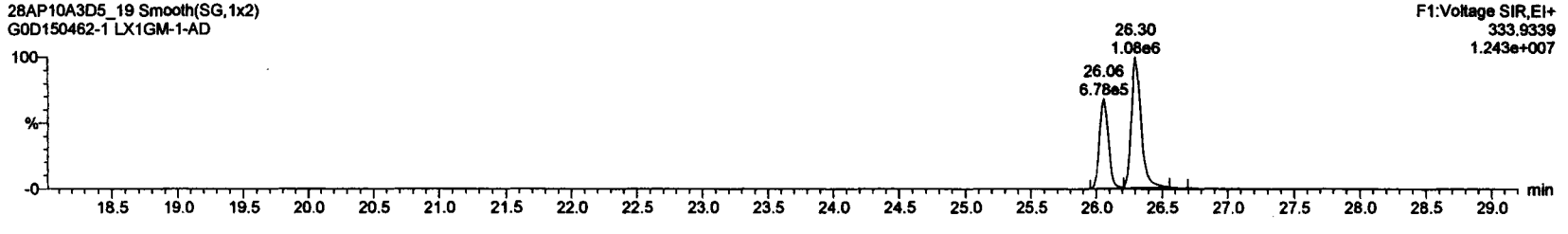
Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

37CL-2,3,7,8-TCDD



13C-TCDDs





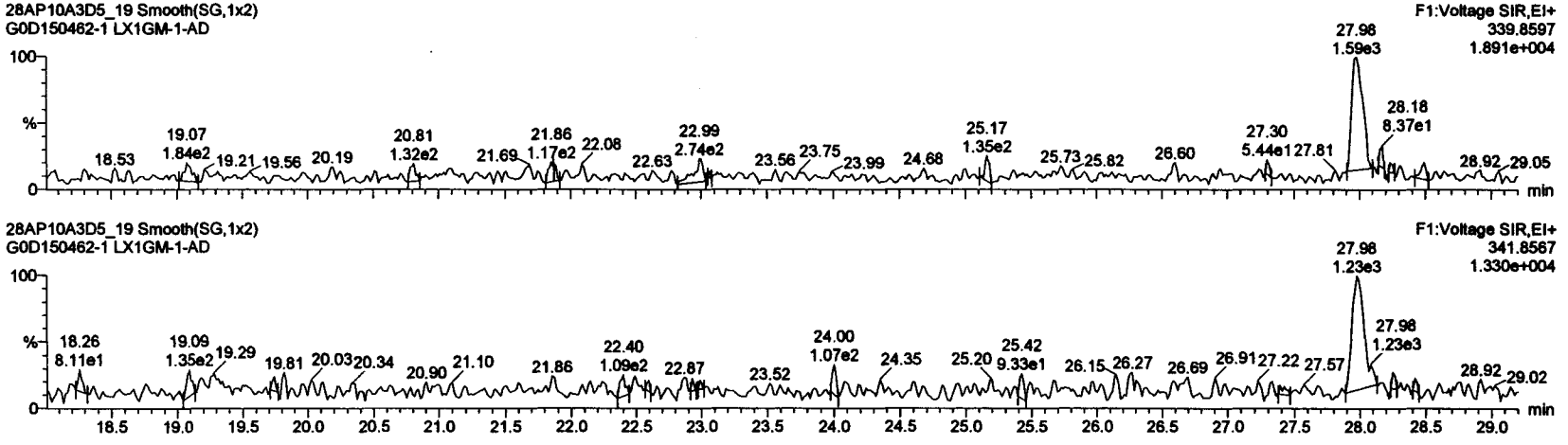
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

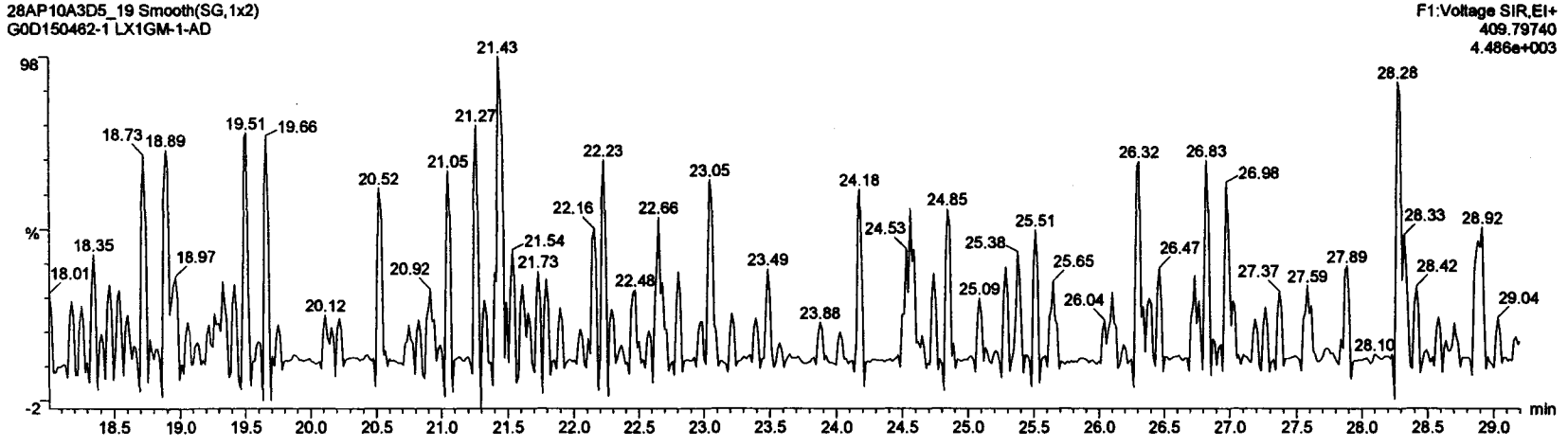
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

F1 PeCDFs



F1 PeCDF PCDPE



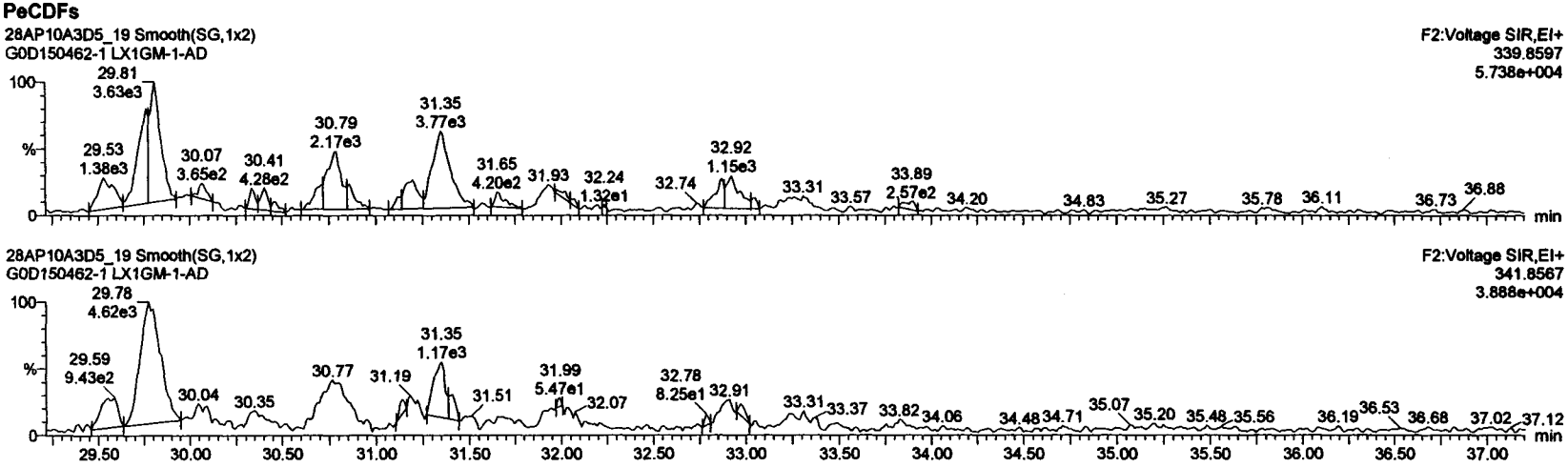
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

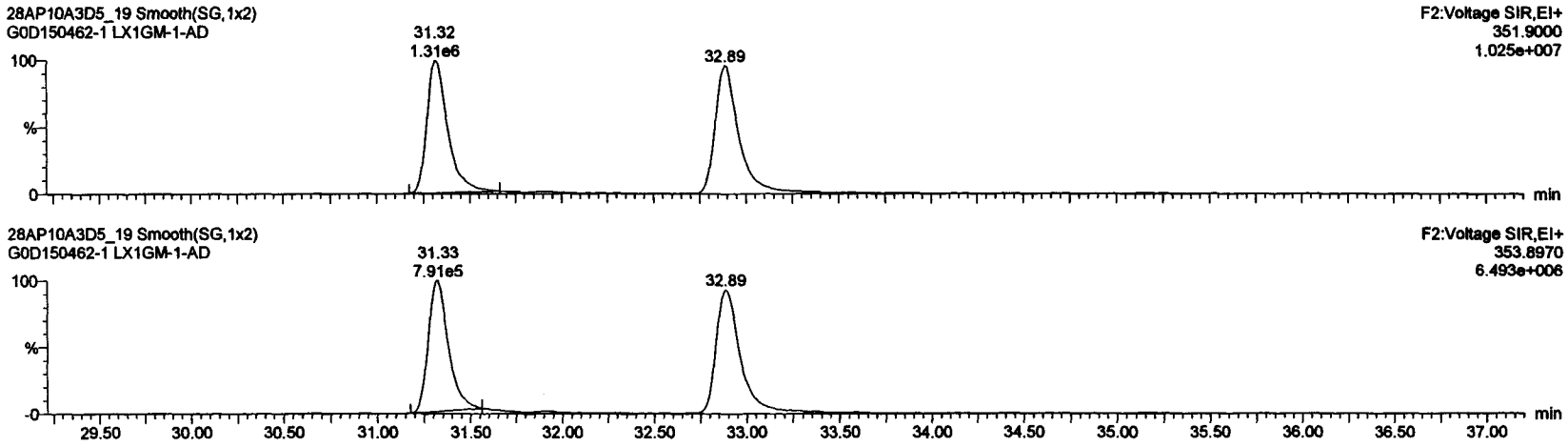
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

PeCDFs



13C-PeCDFs



Quantify Compound Report **MassLynx 4.1**

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

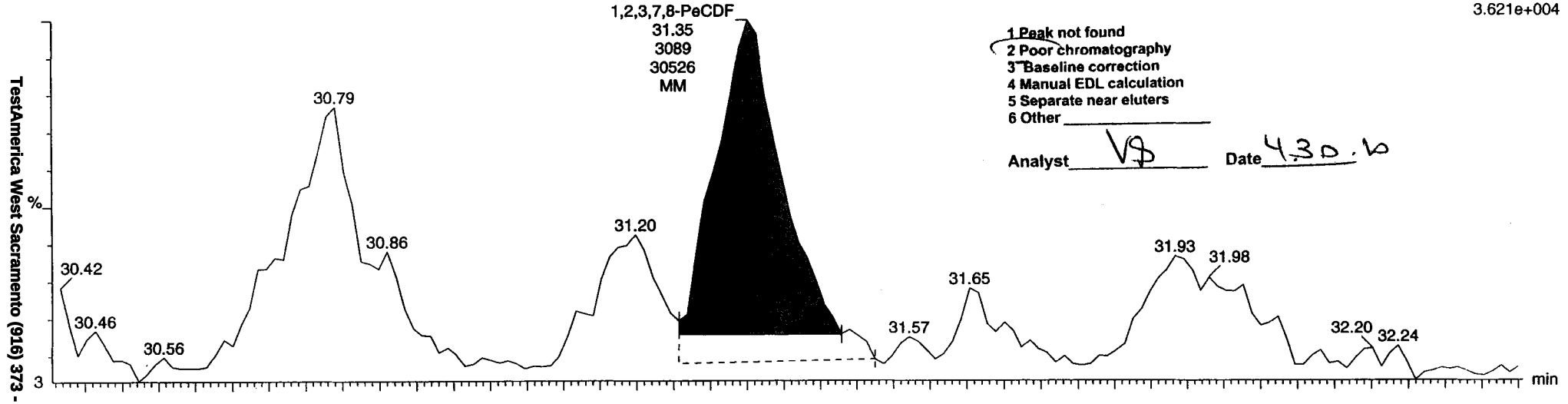
Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Sample Name: 28AP10A3D5_19

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F2:Voltage SIR,EI+
339.8597
3.621e+004



Manual Edit Codes

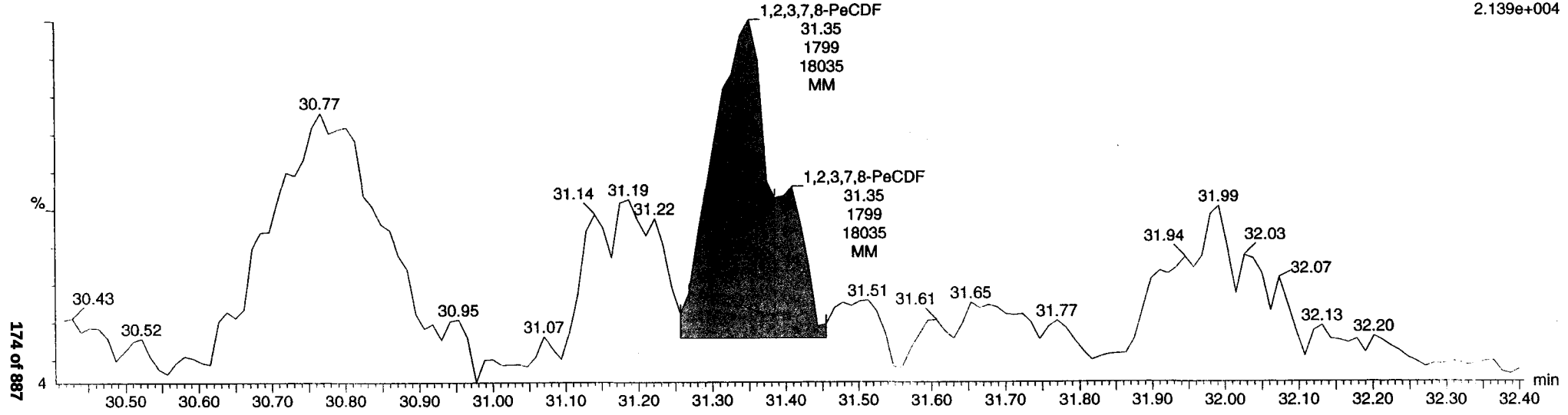
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VB Date 4.30.10

TestAmerica West Sacramento (916) 373 - 5600

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F2:Voltage SIR,EI+
341.8567
2.139e+004

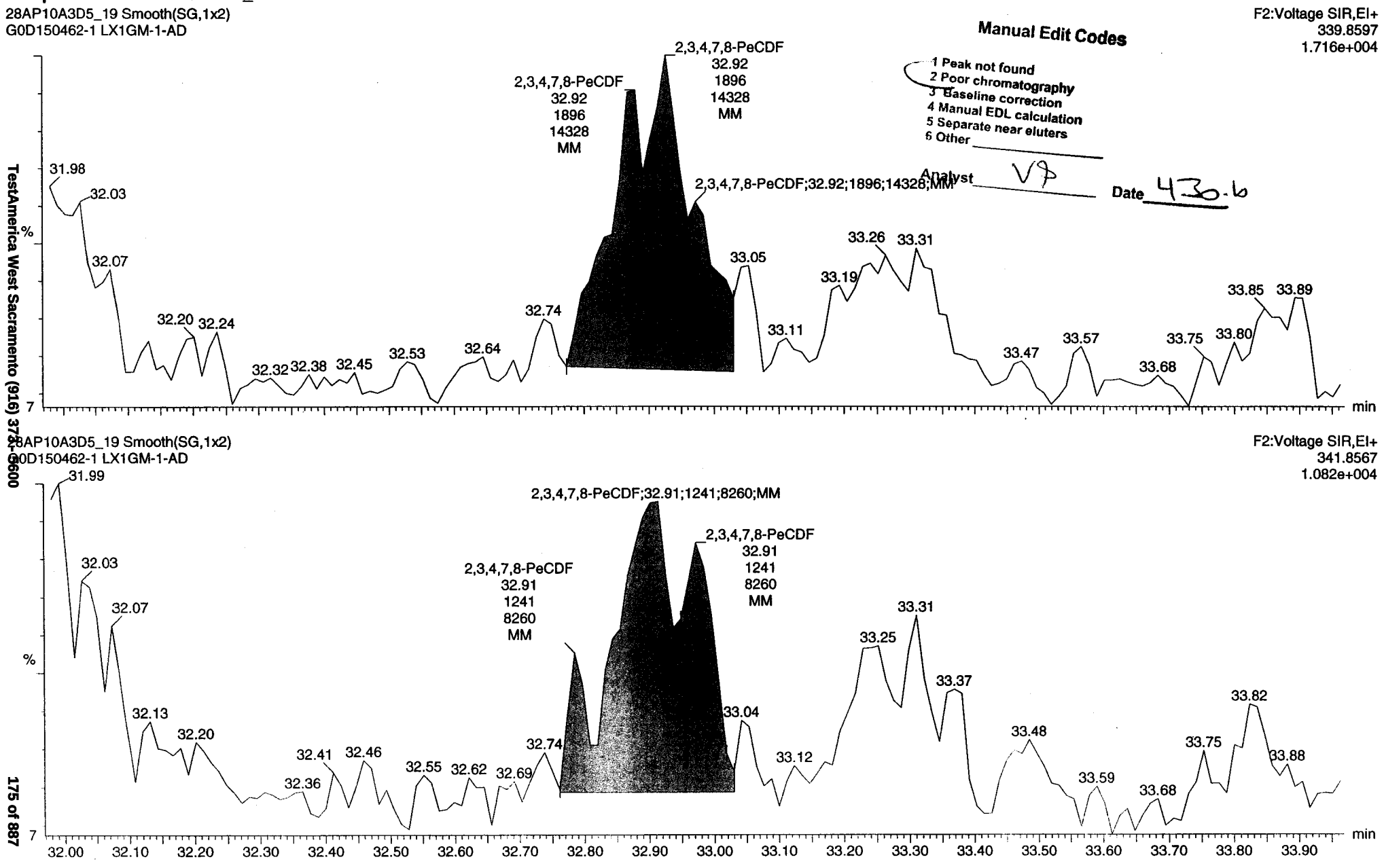


174 of 887

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Sample Name: 28AP10A3D5_19



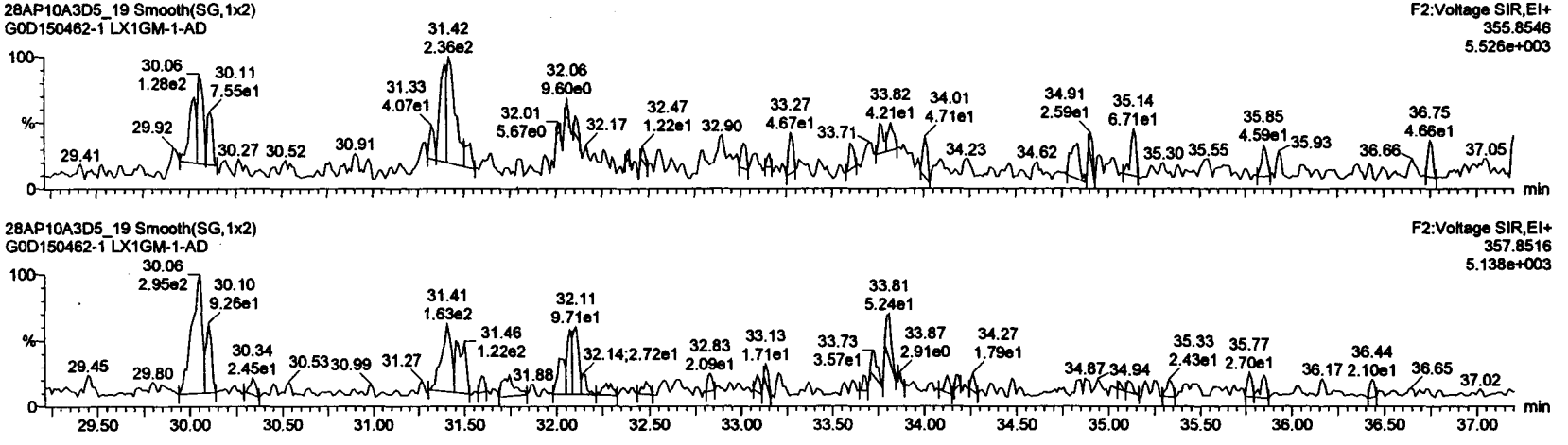
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

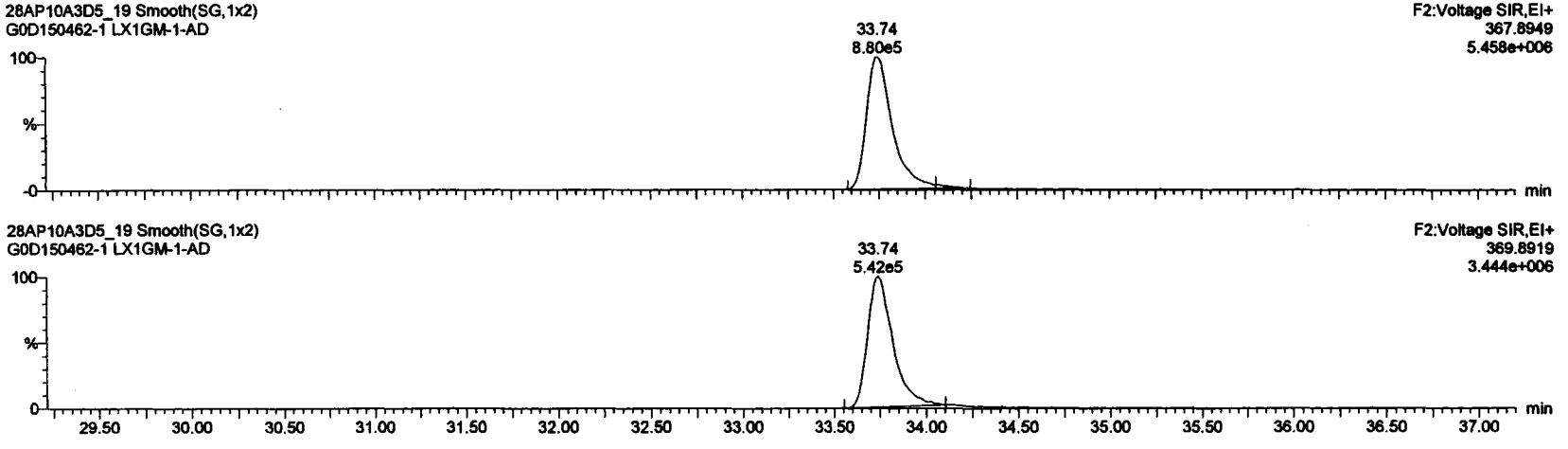
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

PeCDDs



13C-PeCDD



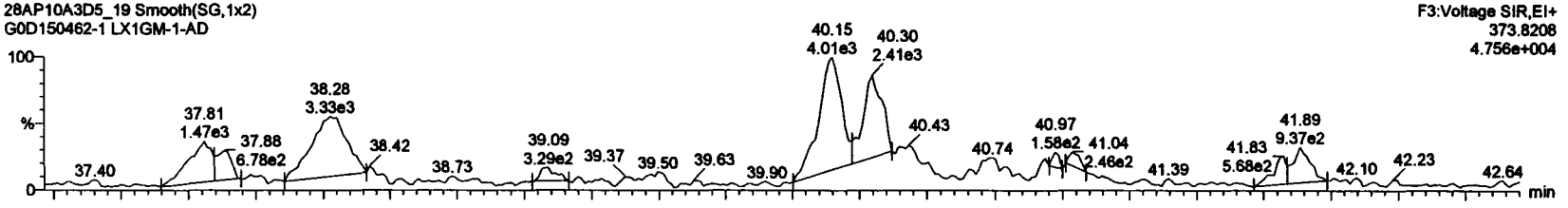
Quantify Sample Report **MassLynx 4.1**

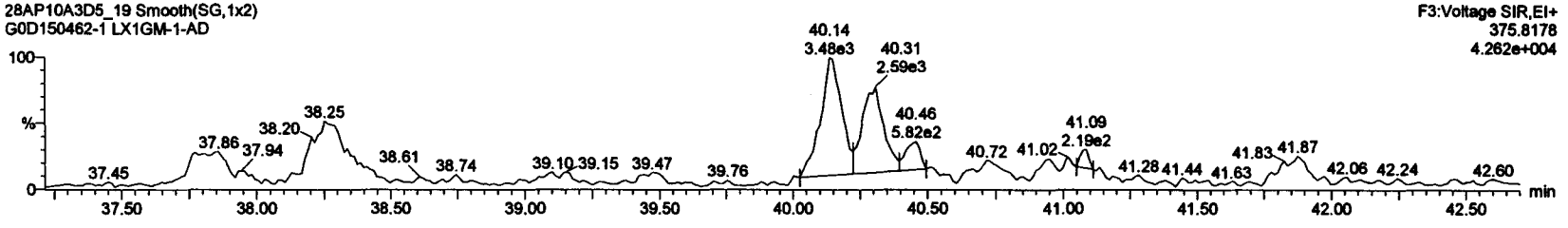
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

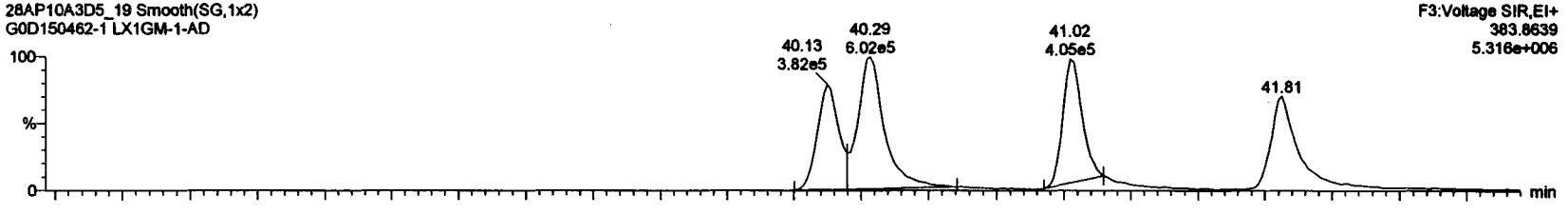
Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

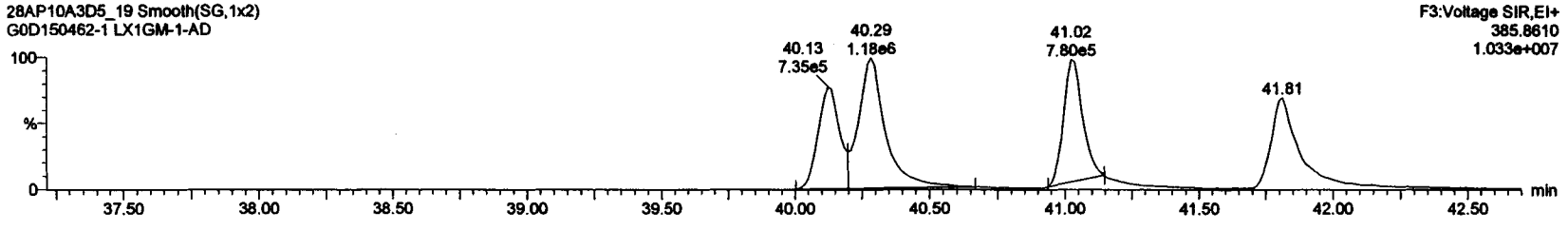
HxCDFs





13C-HxCDFs

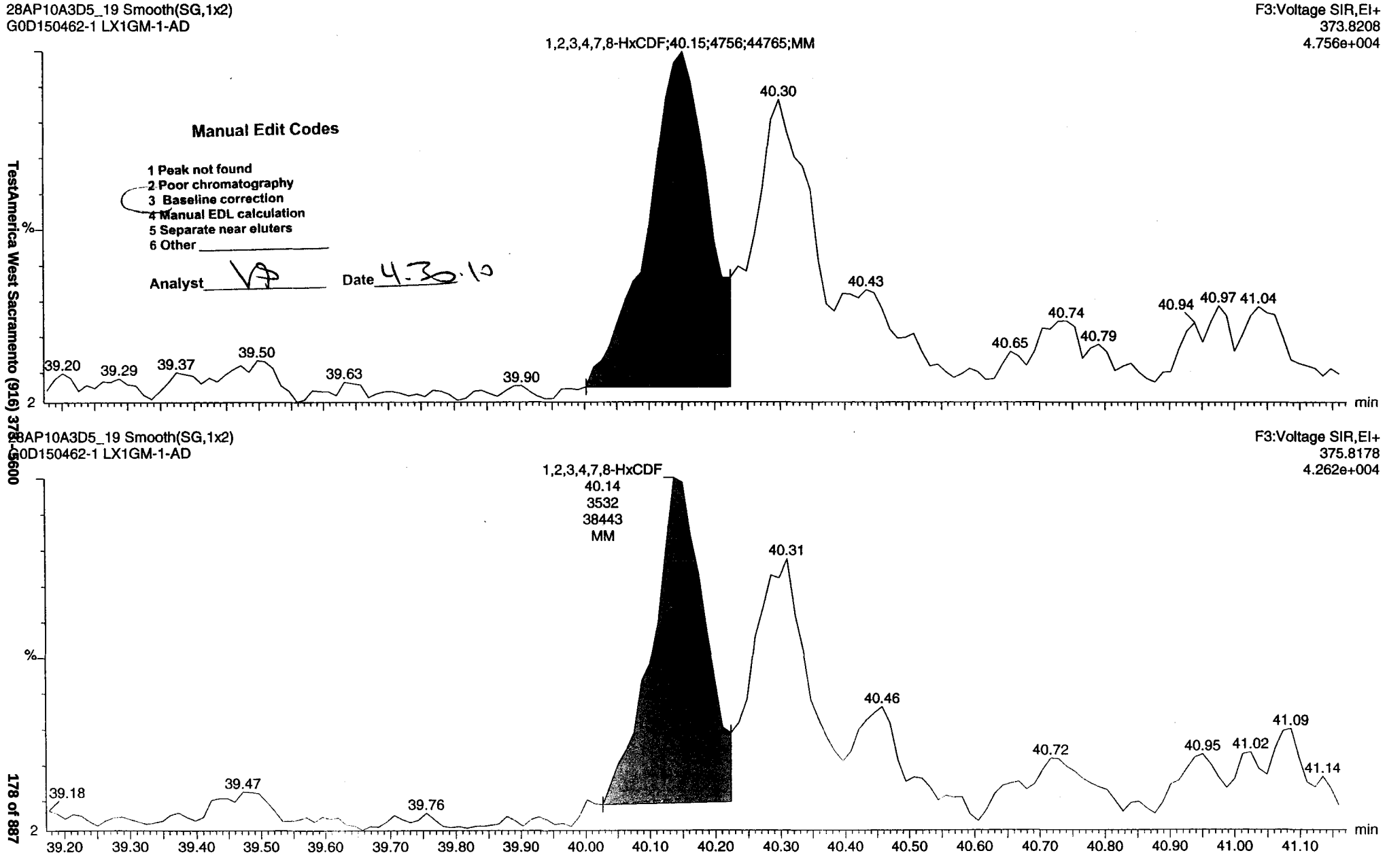




Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Sample Name: 28AP10A3D5_19



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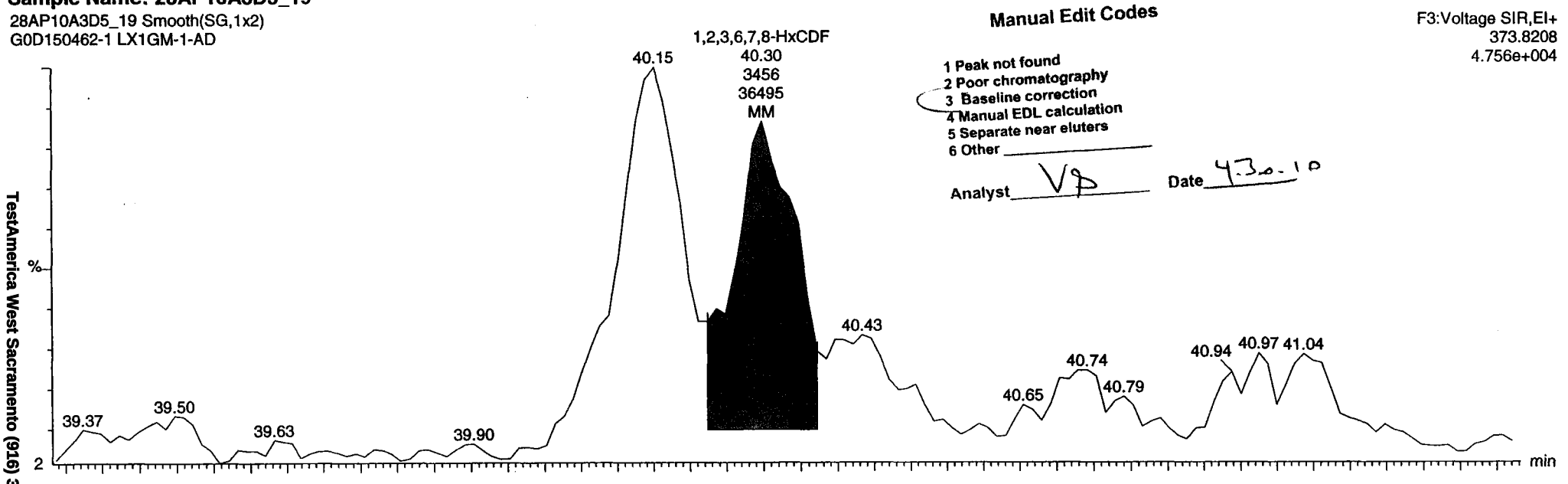
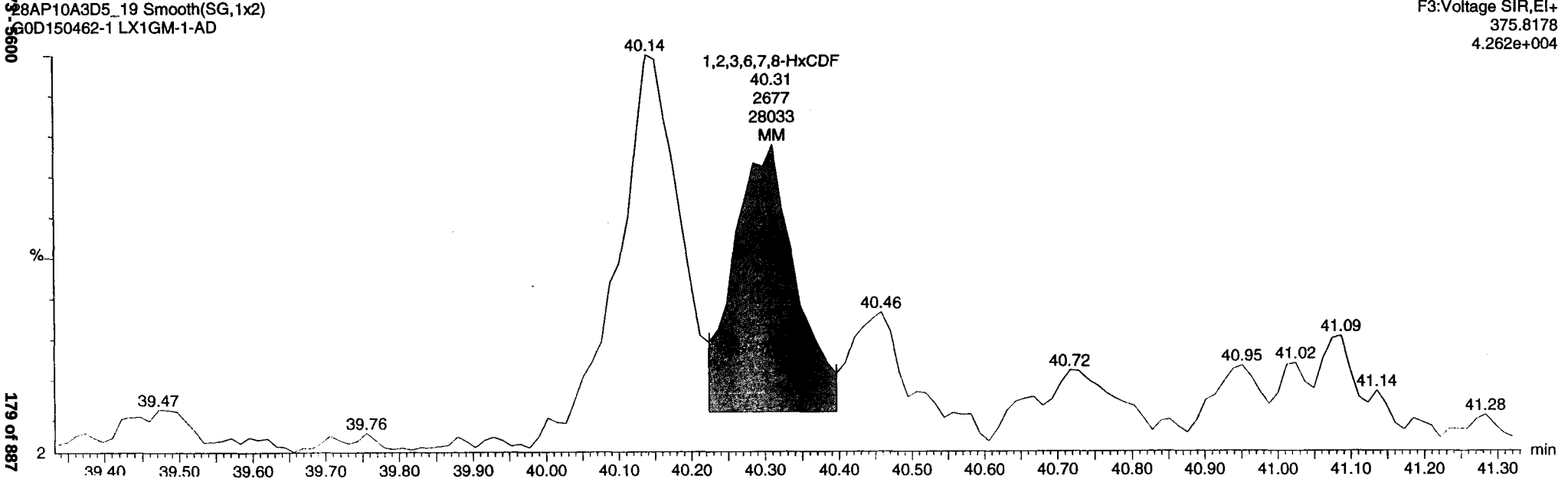
Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Sample Name: 28AP10A3D5_19





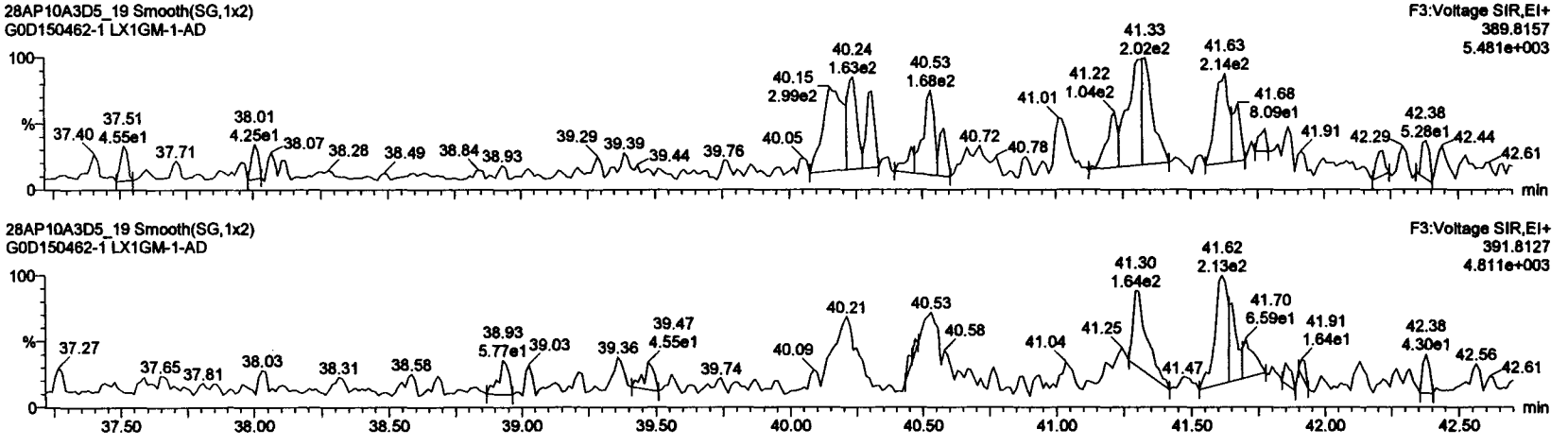
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

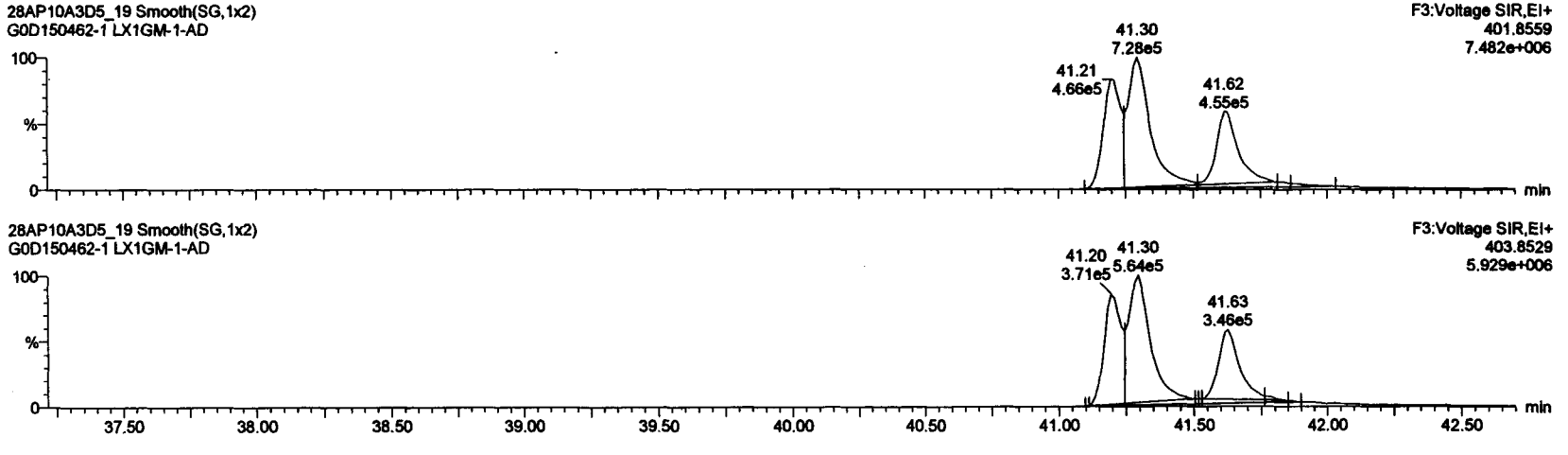
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

HxCDDs



13C-HxCDDs



G0D140435

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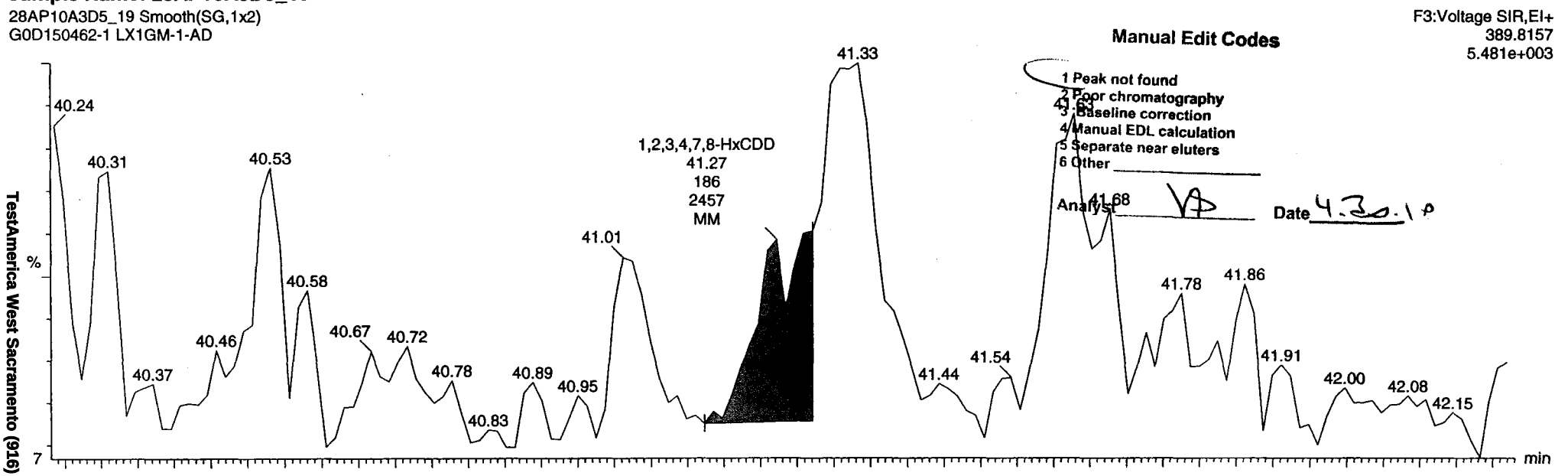
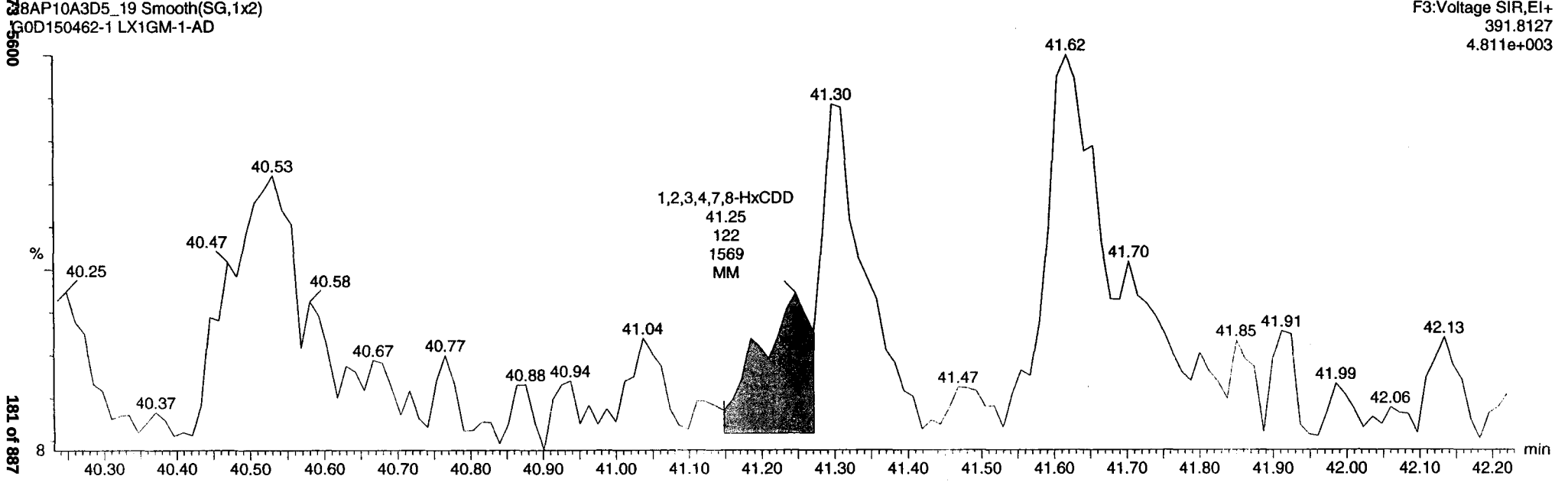
Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Sample Name: 28AP10A3D5_19





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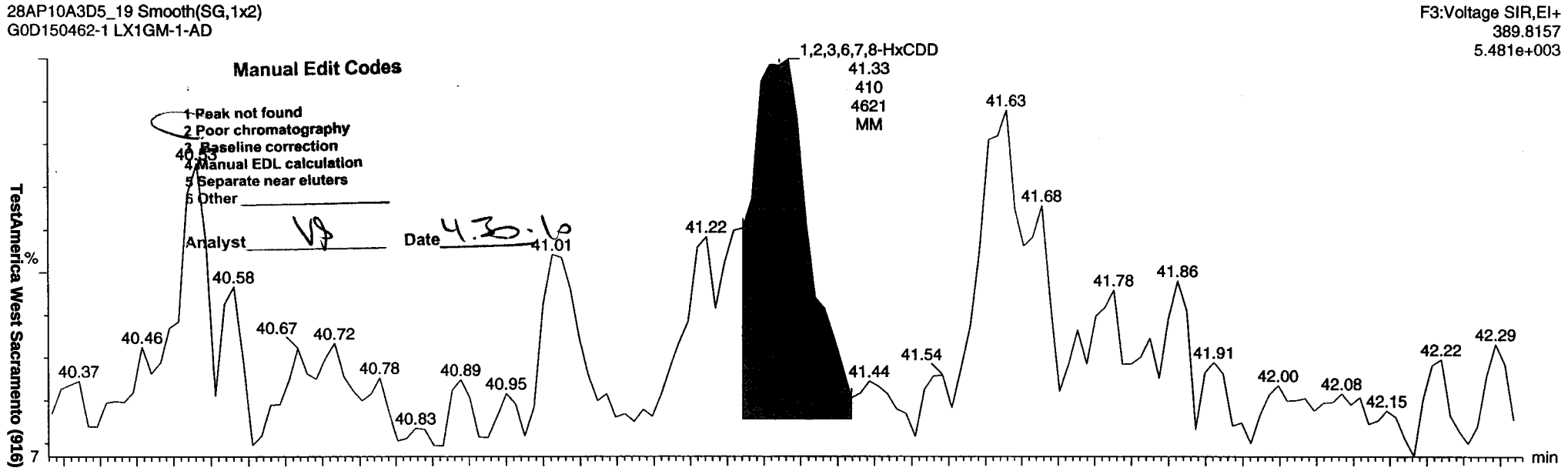
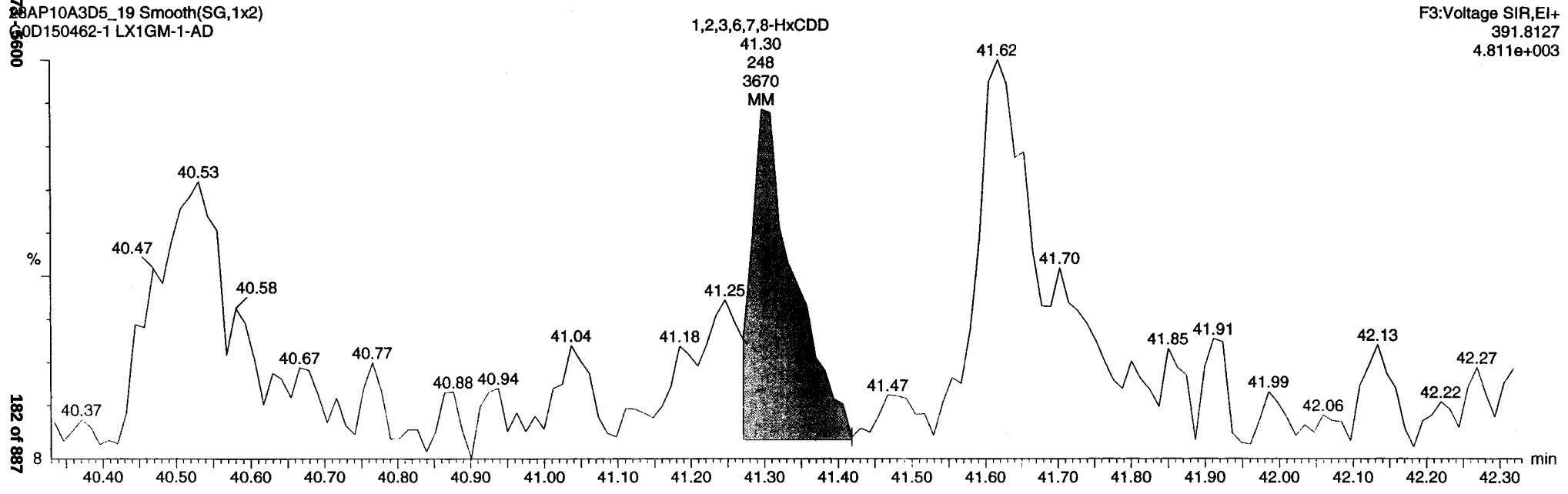
Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time

Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Sample Name: 28AP10A3D5_19





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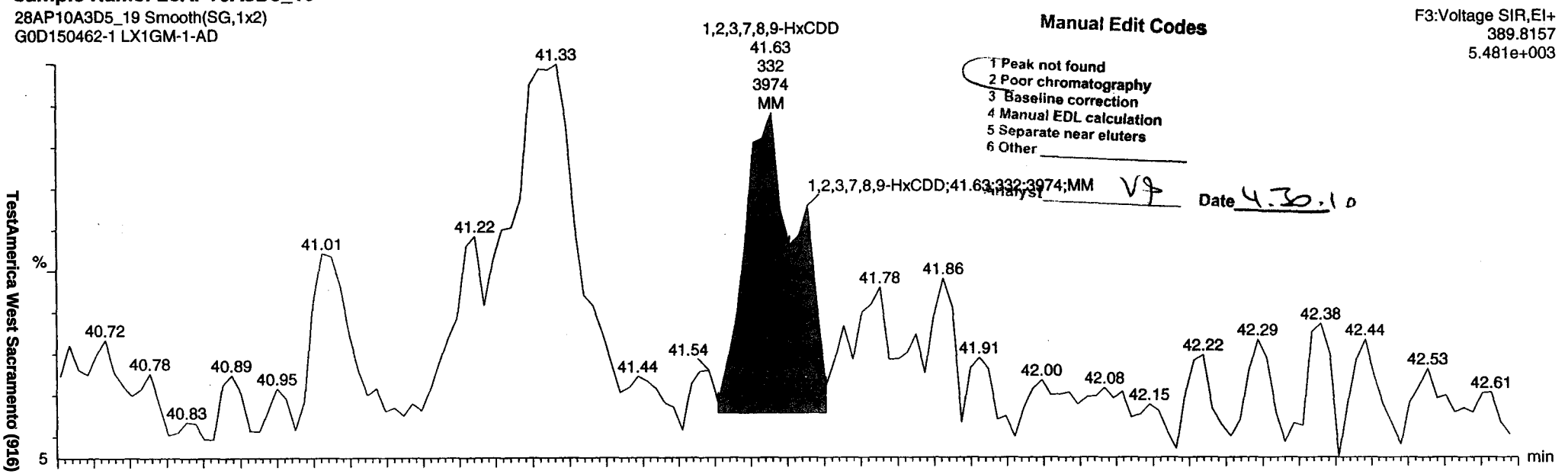
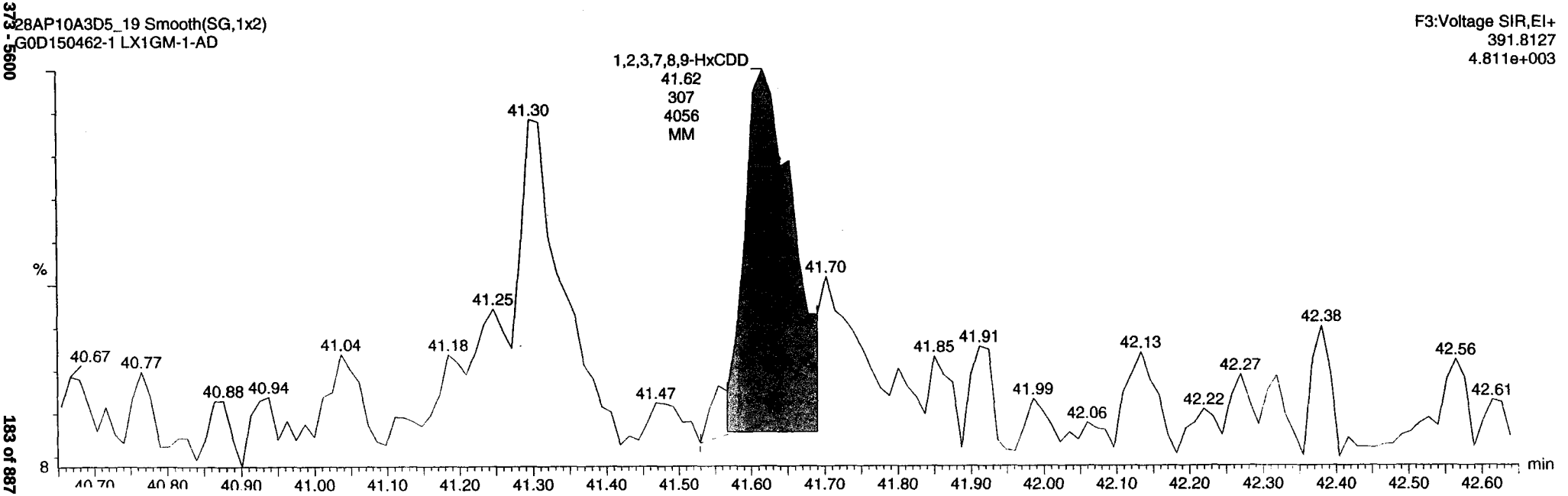
Sample Name: 28AP10A3D5_19





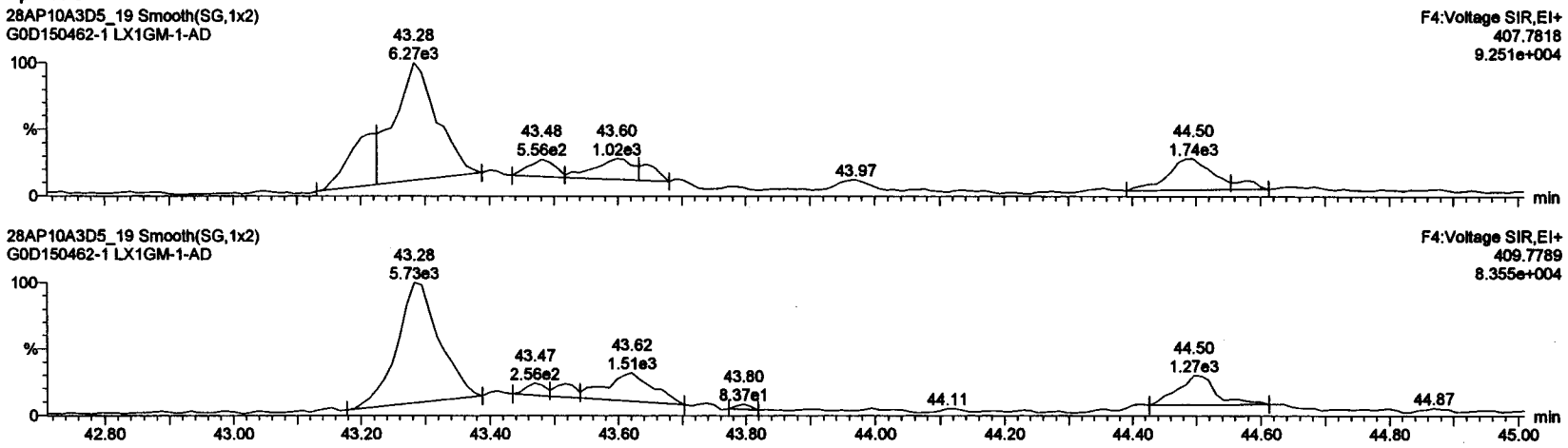
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

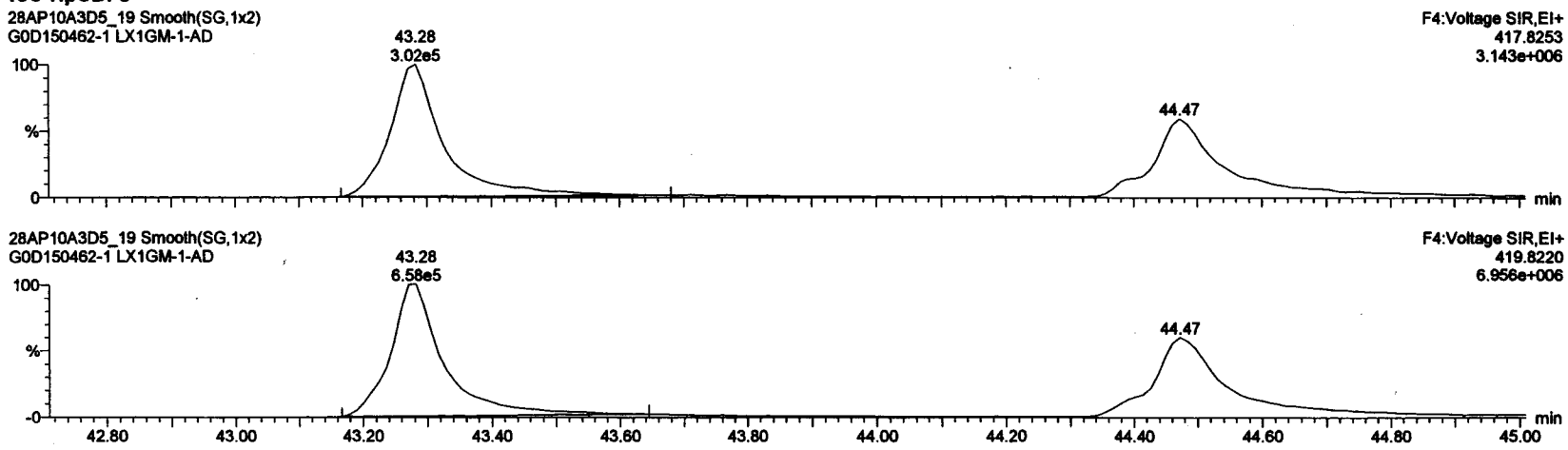
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

HpCDFs



13C-HpCDFs



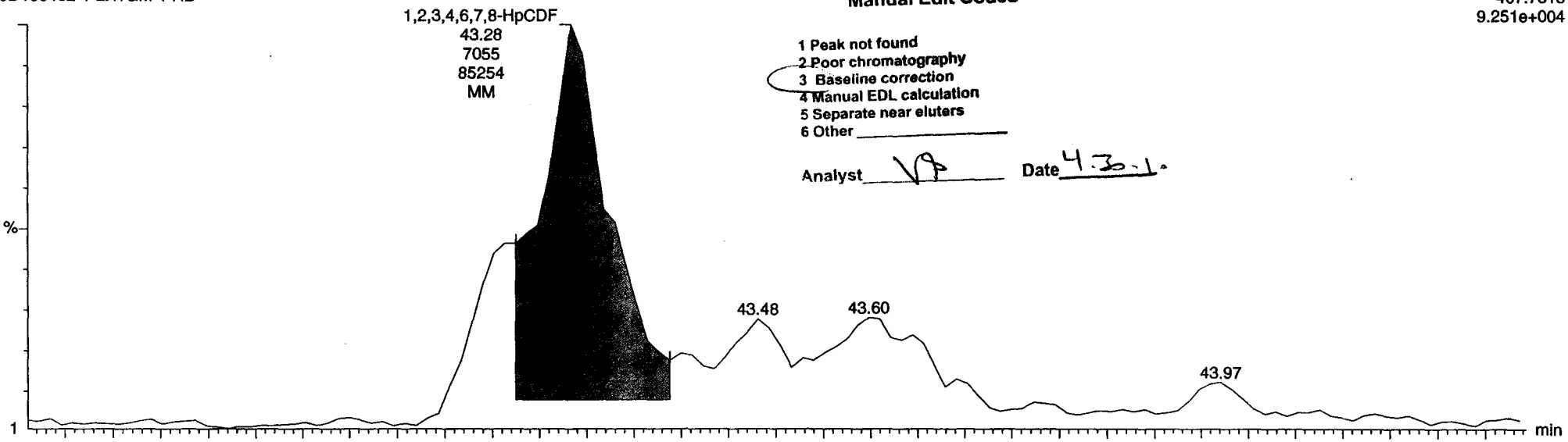
Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Sample Name: 28AP10A3D5_19

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F4:Voltage SIR,EI+
407.7818
9.251e+004



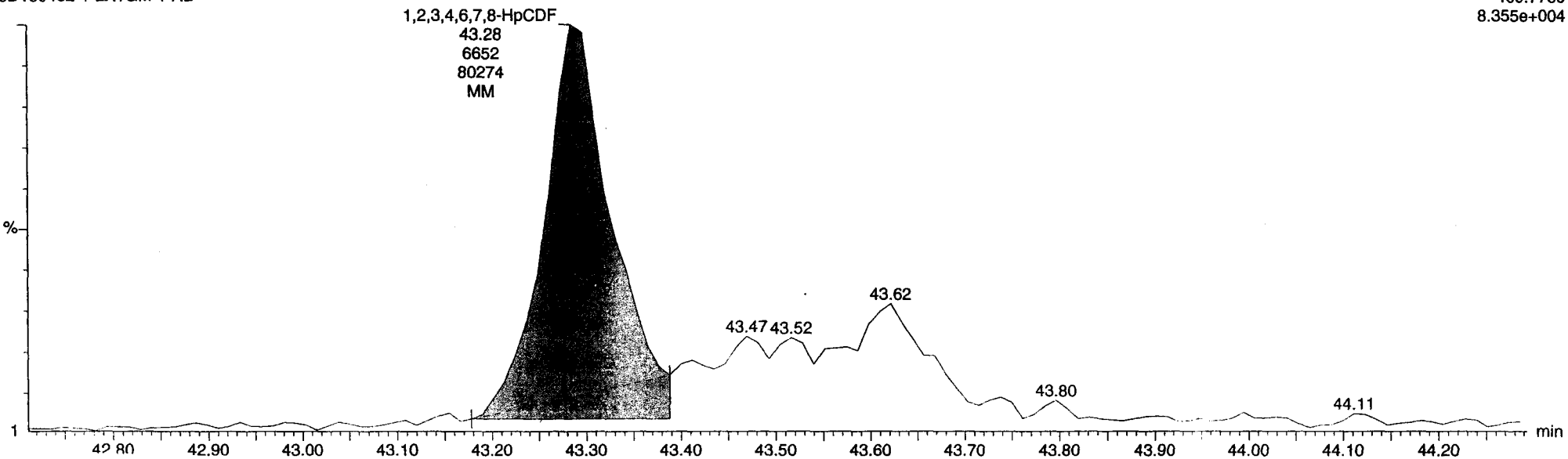
Manual Edit Codes

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

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

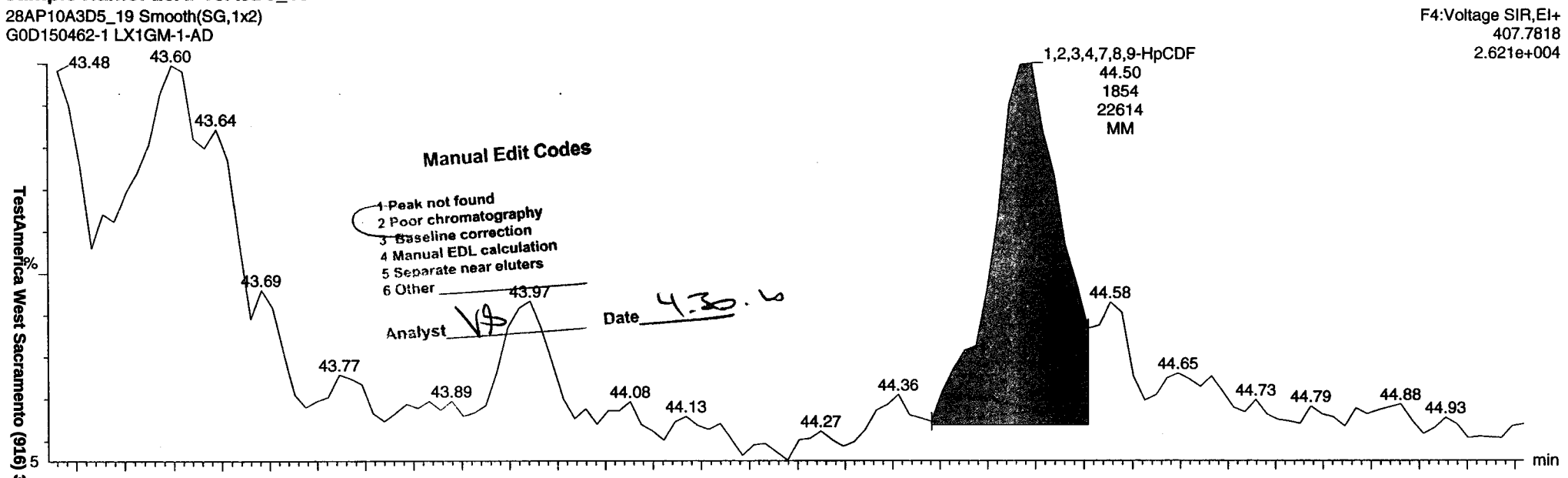
F4:Voltage SIR,EI+
409.7789
8.355e+004

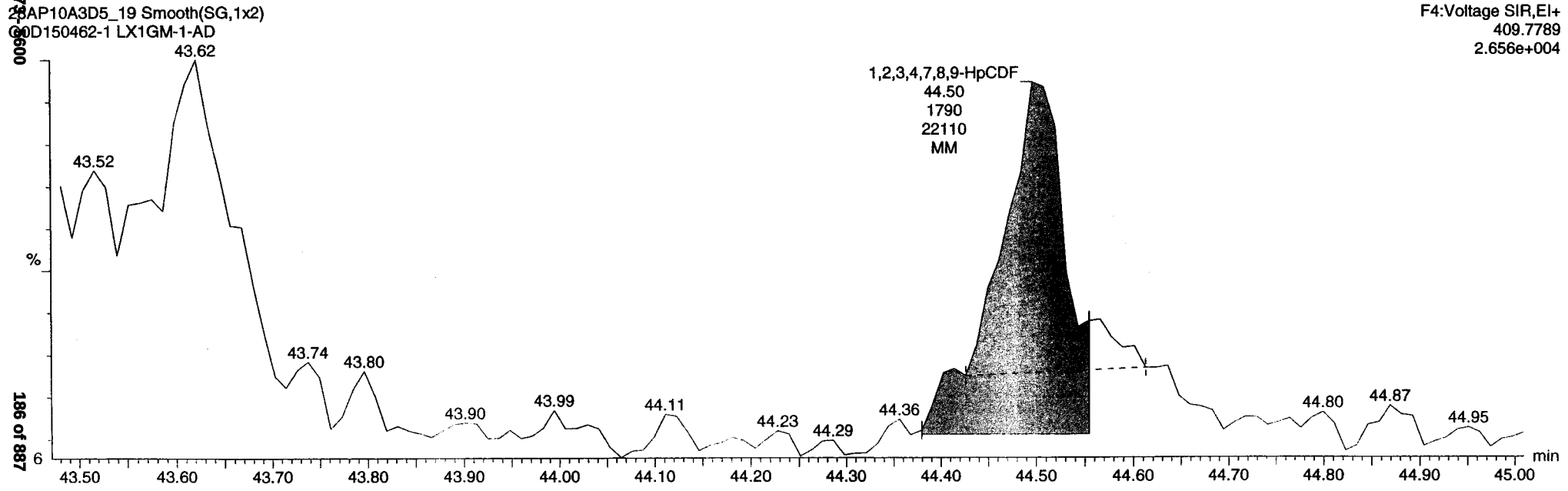


Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:36 Pacific Daylight Time

Sample Name: 28AP10A3D5_19





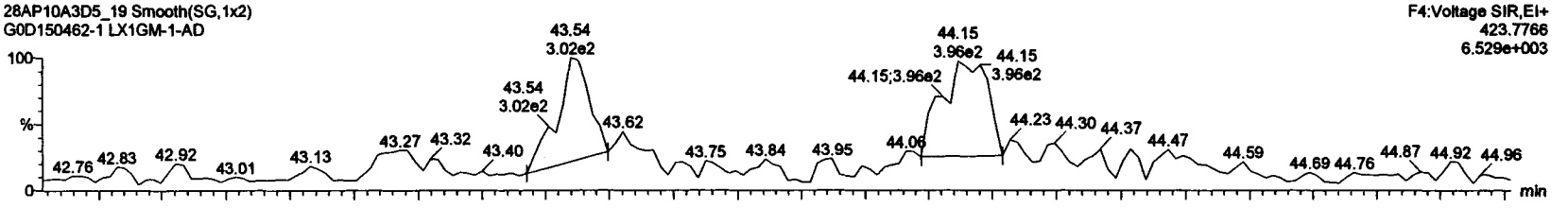
Quantify Sample Report **MassLynx 4.1**

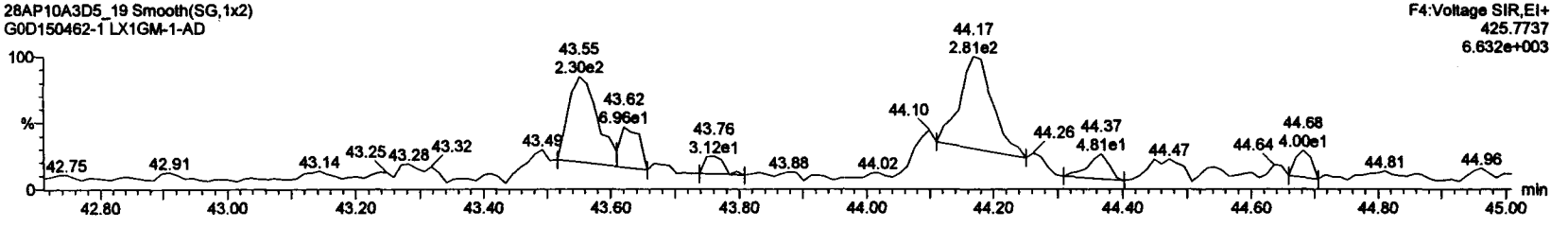
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

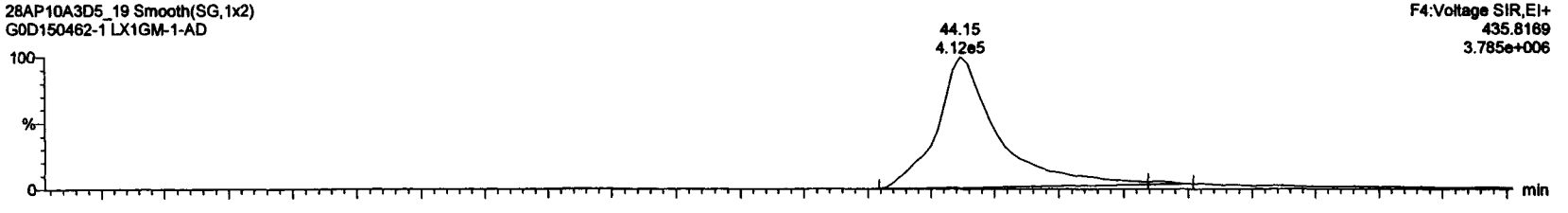
Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

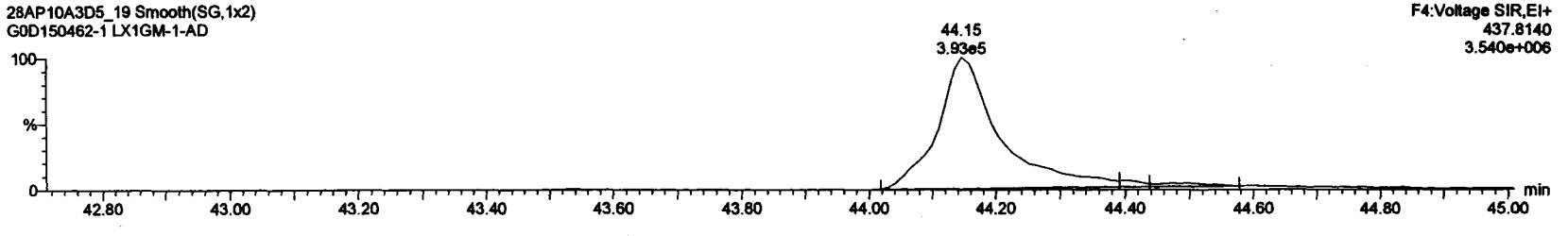
HpCDDs





13C-HpCDD





Quantify Compound Report **MassLynx 4.1**

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:58 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Sample Name: 28AP10A3D5_19

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F4:Voltage SIR,EI+
423.7766
6.529e+003

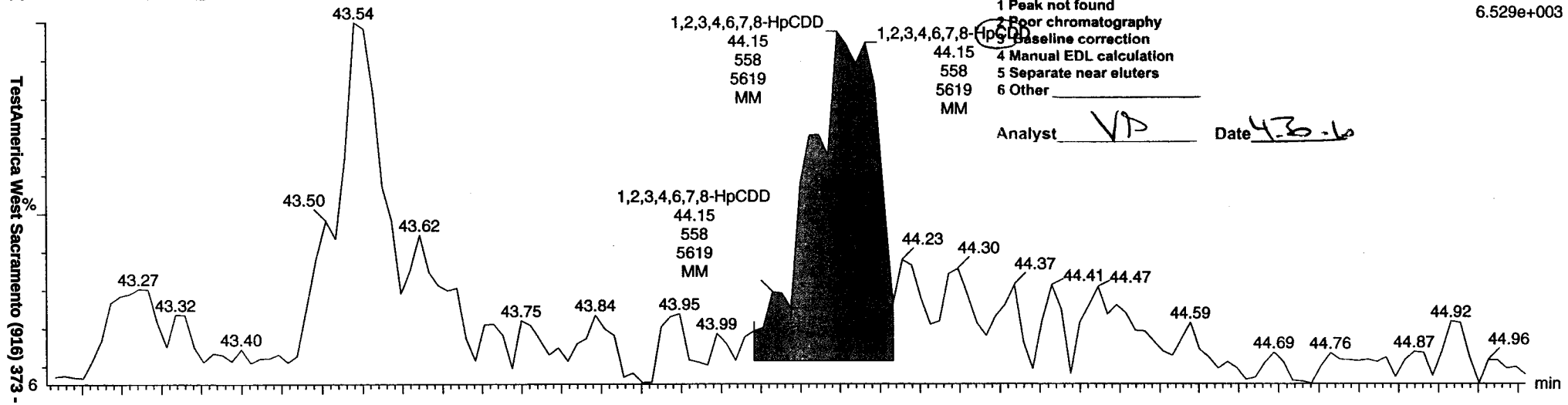
Manual Edit Codes

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

1,2,3,4,6,7,8-HpCDD
44.15
558
5619
MM

1,2,3,4,6,7,8-HpCDD
44.15
558
5619
MM



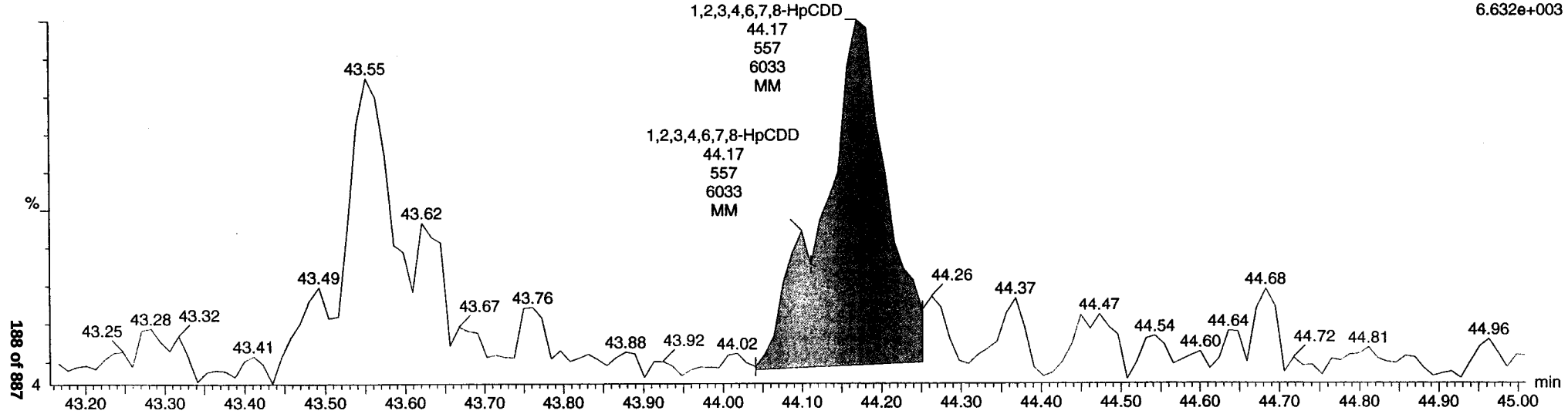
TestAmerica West Sacramento (916) 373 - 5600

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F4:Voltage SIR,EI+
425.7737
6.632e+003

1,2,3,4,6,7,8-HpCDD
44.17
557
6033
MM

1,2,3,4,6,7,8-HpCDD
44.17
557
6033
MM



188 of 887

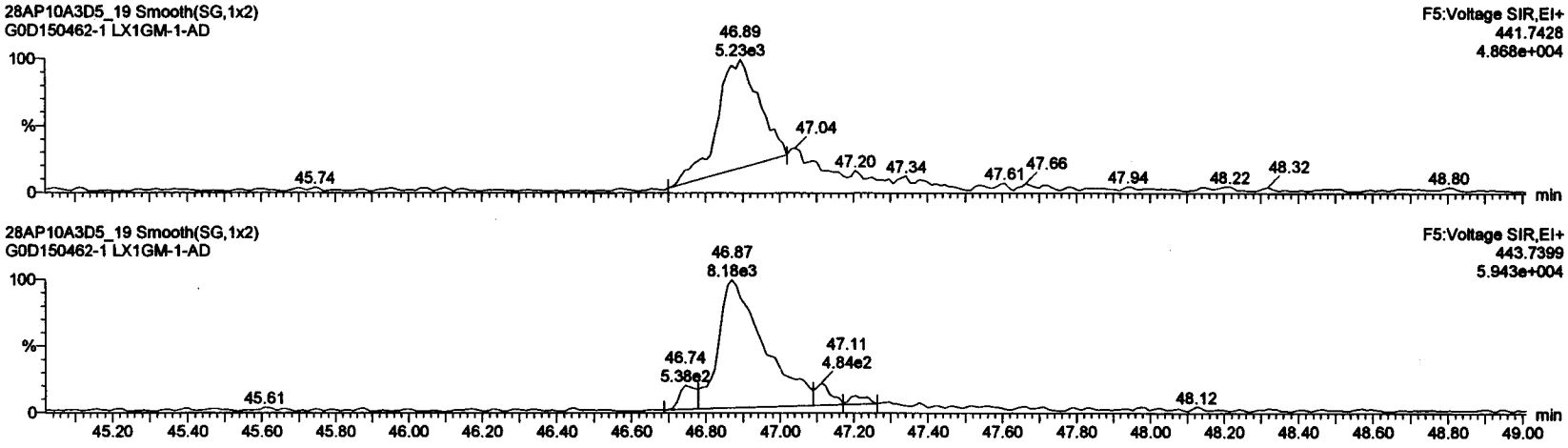
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

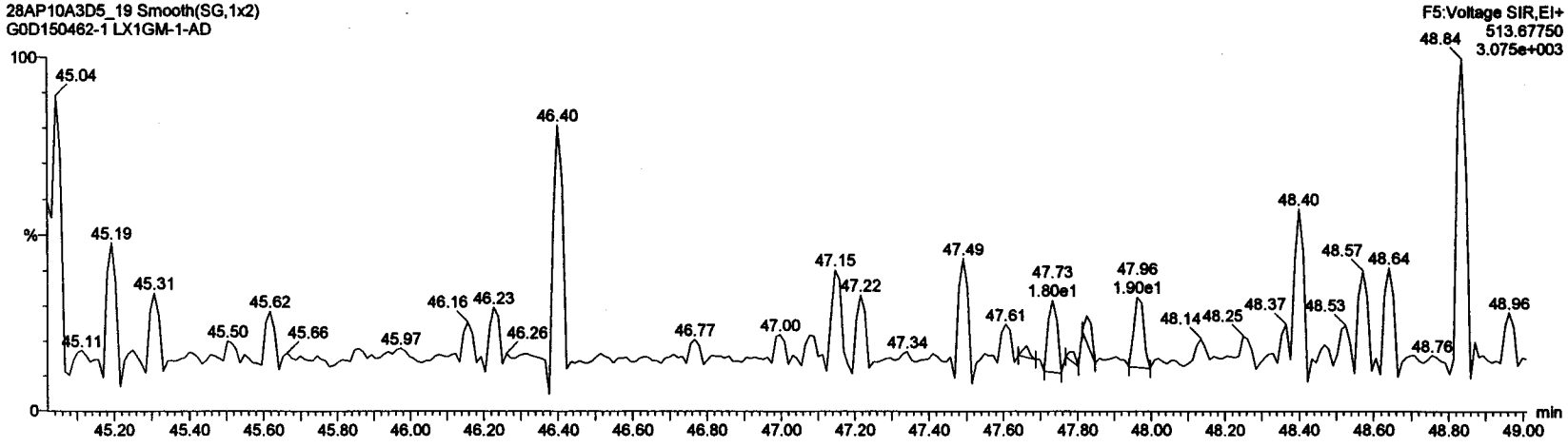
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

OCDFs



OCDF PCDPE



G0D140435

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

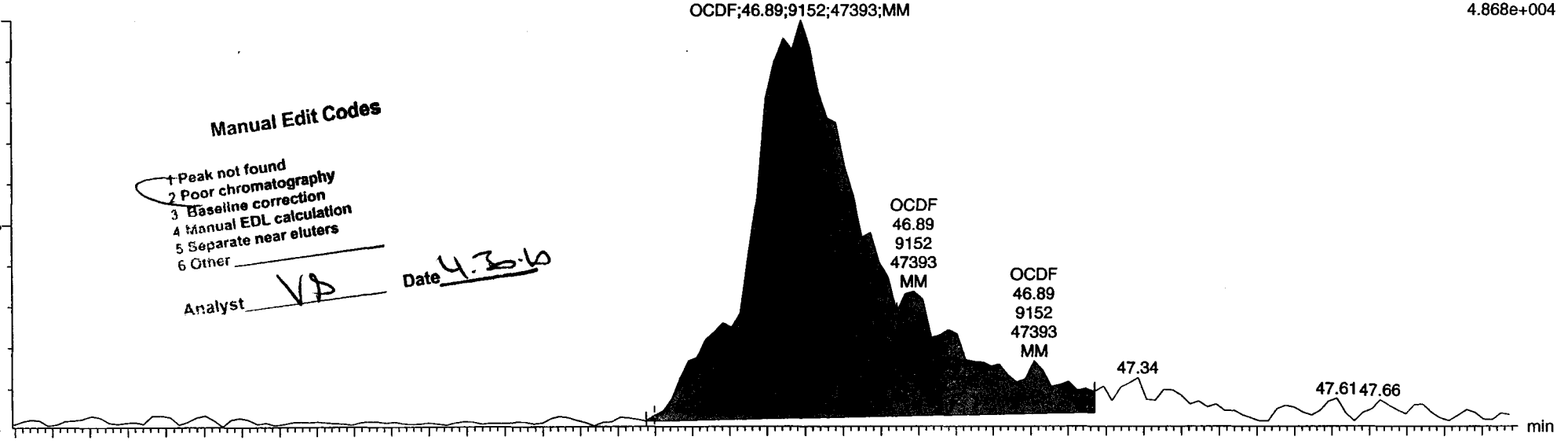
Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time

Printed: Friday, April 30, 2010 14:30:58 Pacific Daylight Time

Sample Name: 28AP10A3D5_19

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F5:Voltage SIR,EI+
441.7428
4.868e+004



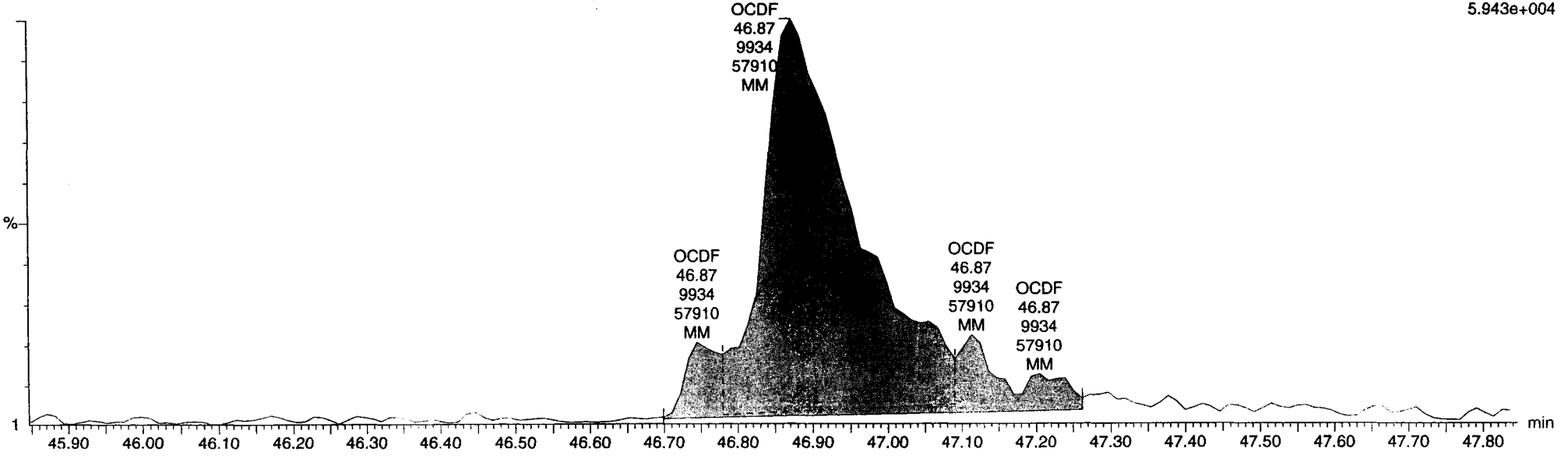
Manual Edit Codes

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

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F5:Voltage SIR,EI+
443.7399
5.943e+004



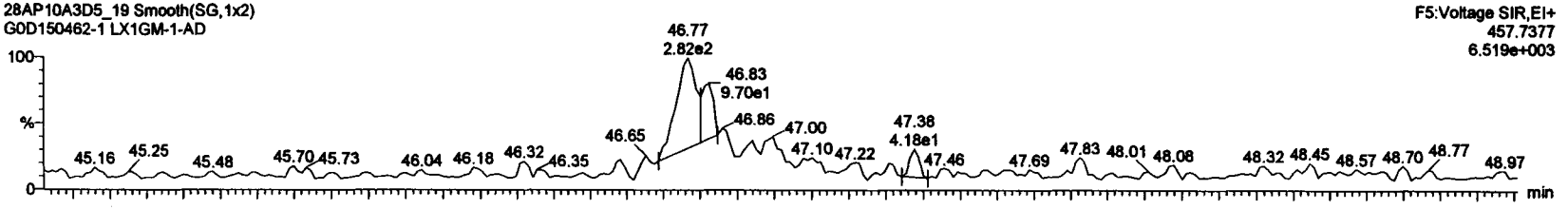
Quantify Sample Report **MassLynx 4.1**

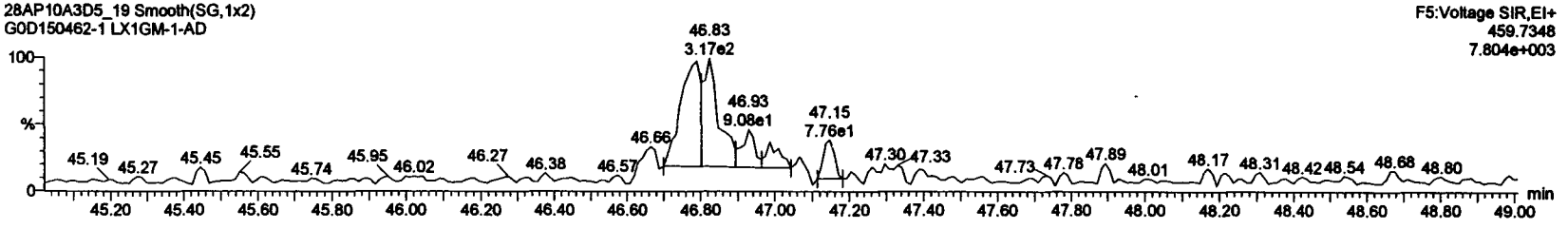
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

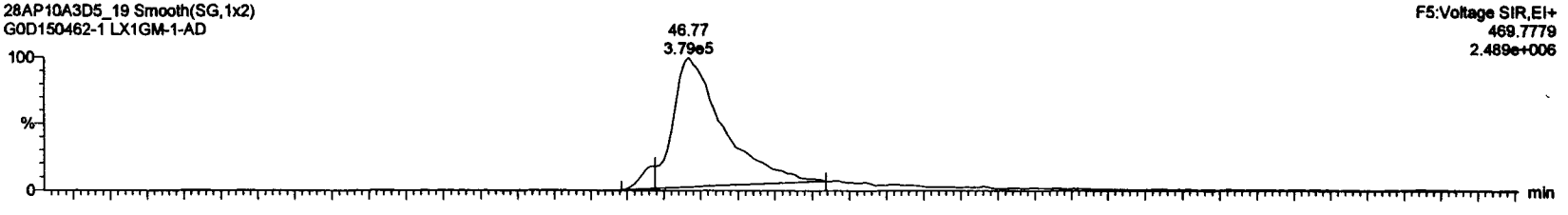
Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

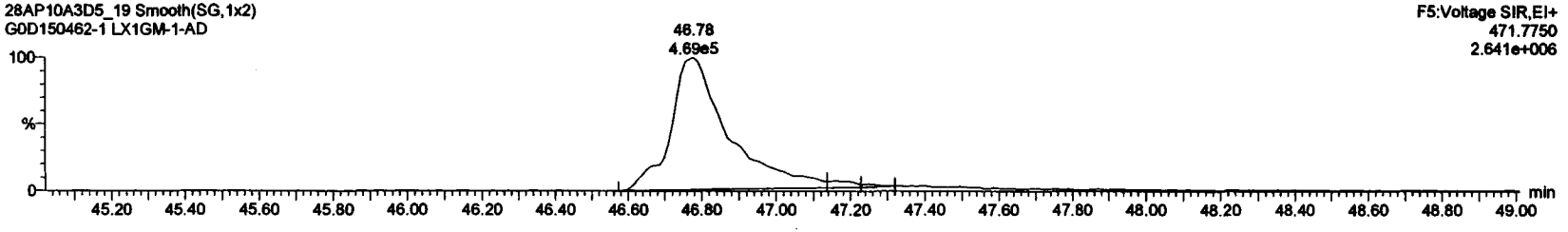
OCDD





13C-OCDD





Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

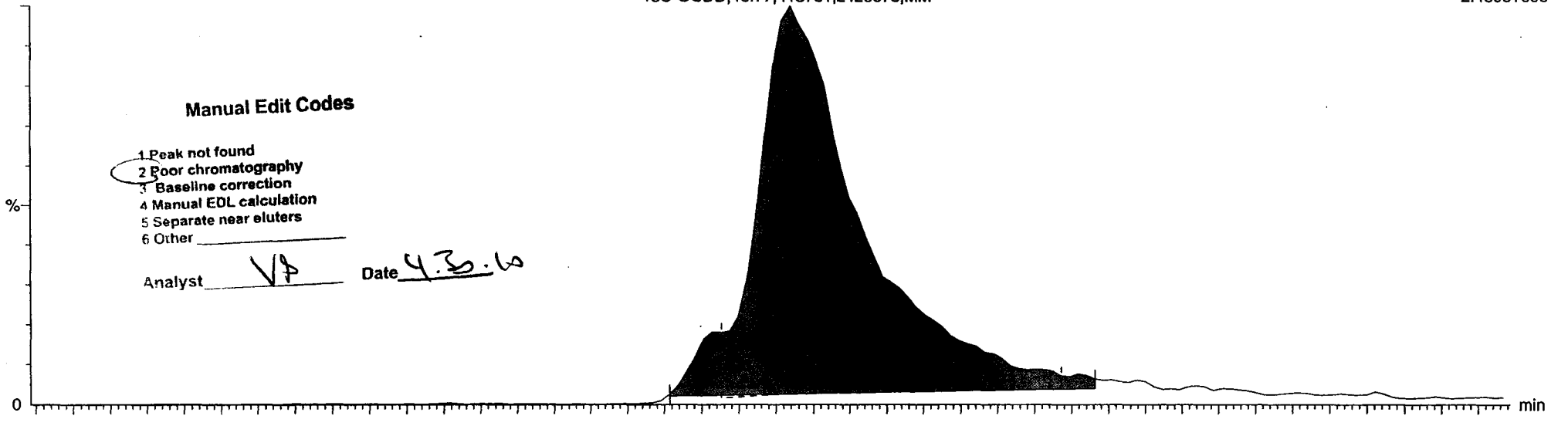
Last Altered: Friday, April 30, 2010 14:26:31 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:30:58 Pacific Daylight Time

Sample Name: 28AP10A3D5_19

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F5:Voltage SIR,EI+
469.7779
2.489e+006

13C-OCDD;46.77;413781;2426675;MM



Manual Edit Codes

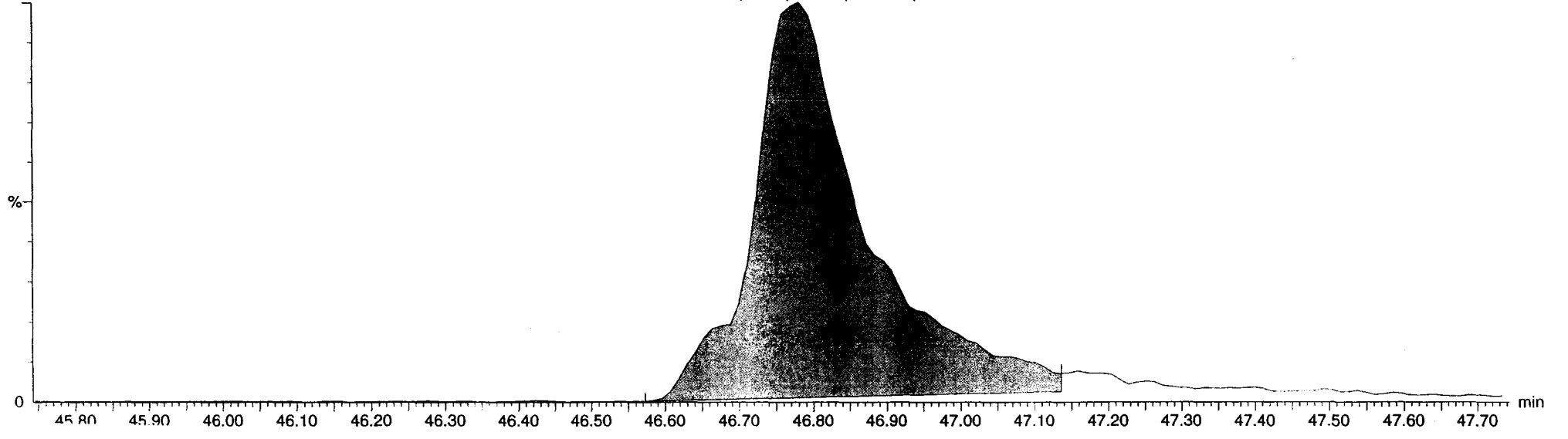
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VP Date 4.30.10

28AP10A3D5_19 Smooth(SG,1x2)
G0D150462-1 LX1GM-1-AD

F5:Voltage SIR,EI+
471.7750
2.641e+006

13C-OCDD;46.78;469223;2615718;bd



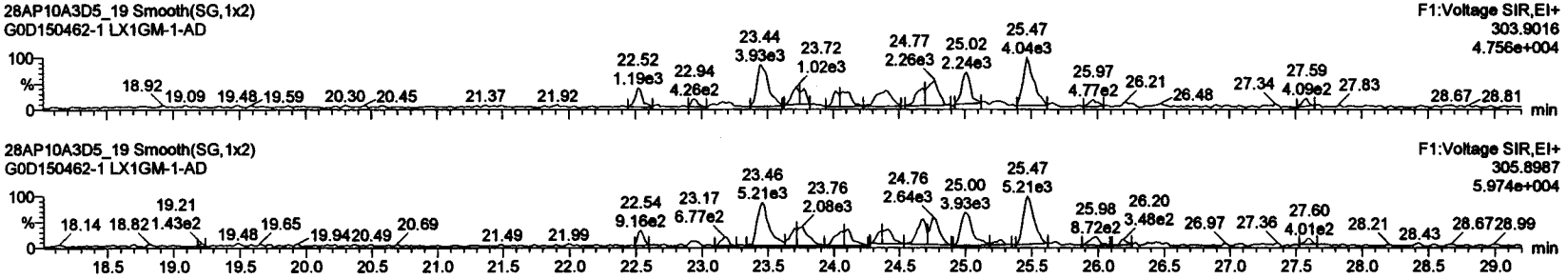
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

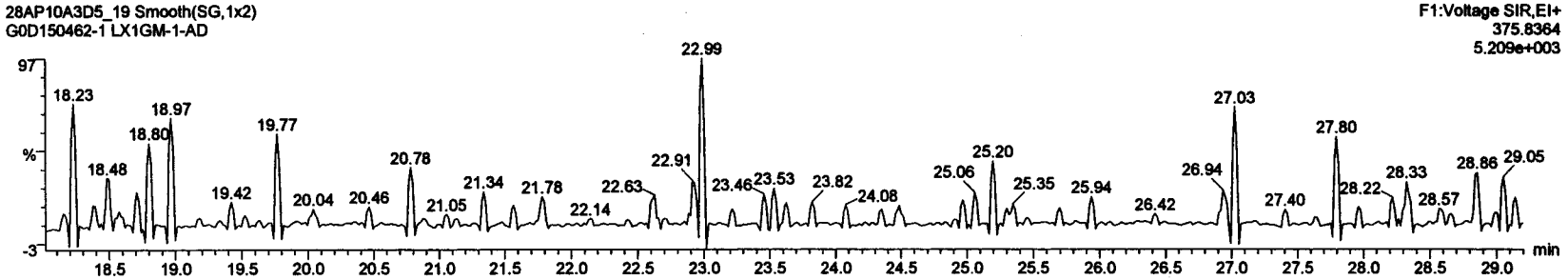
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

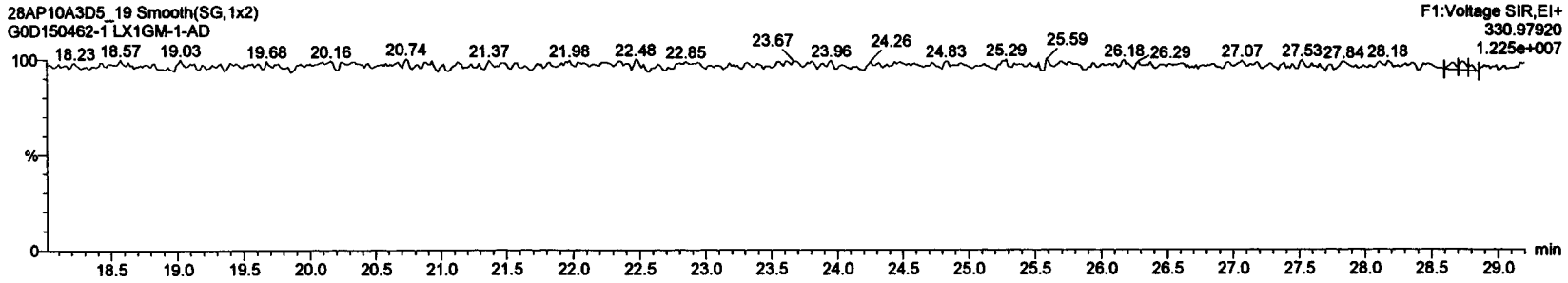
TCDFs



TCDF PCDPE



Function 1 PFK



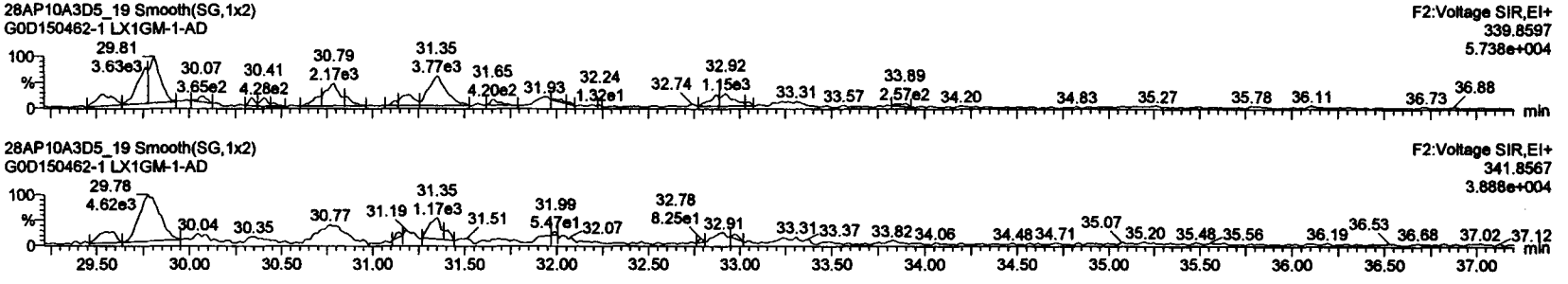
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

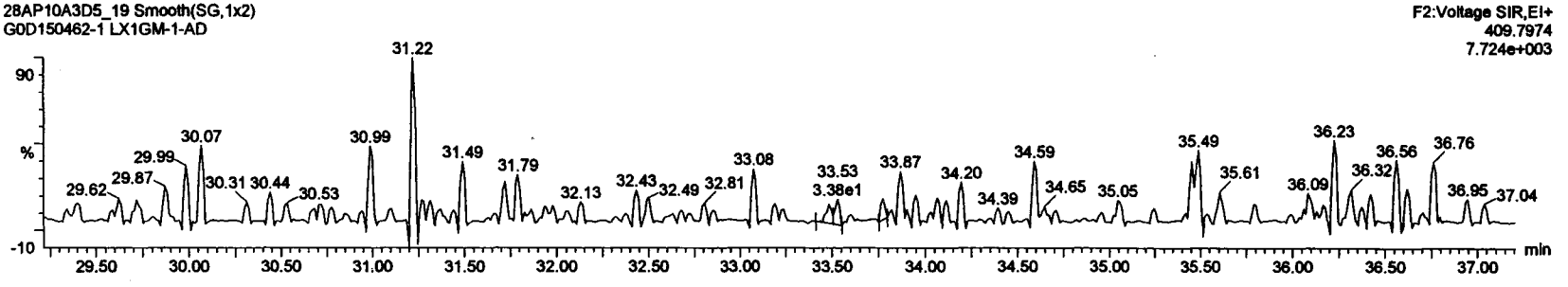
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

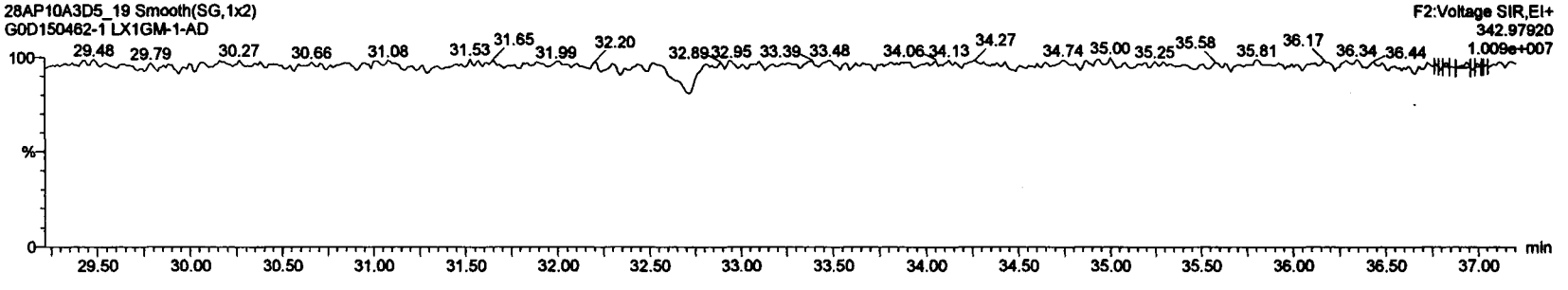
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



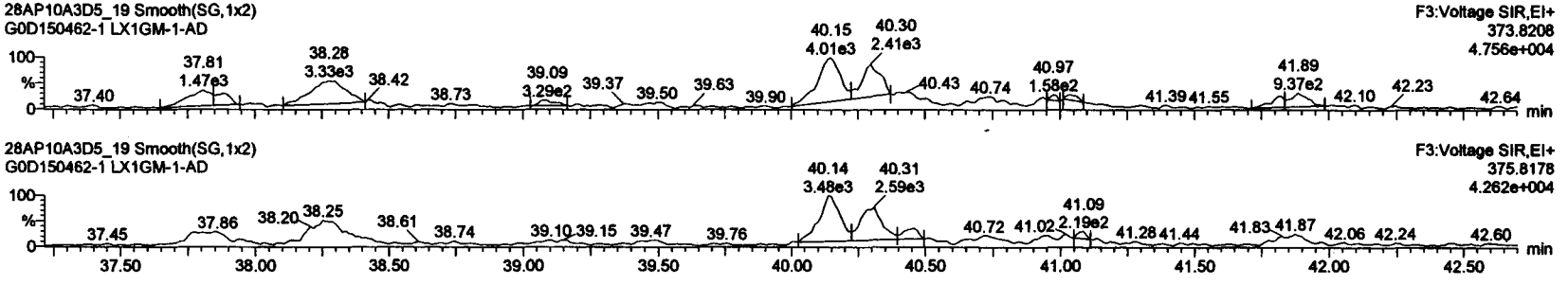
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

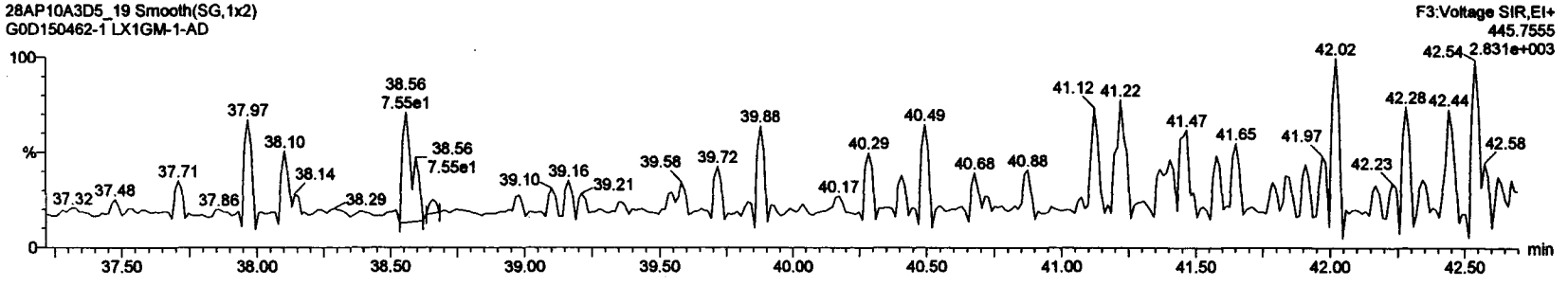
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

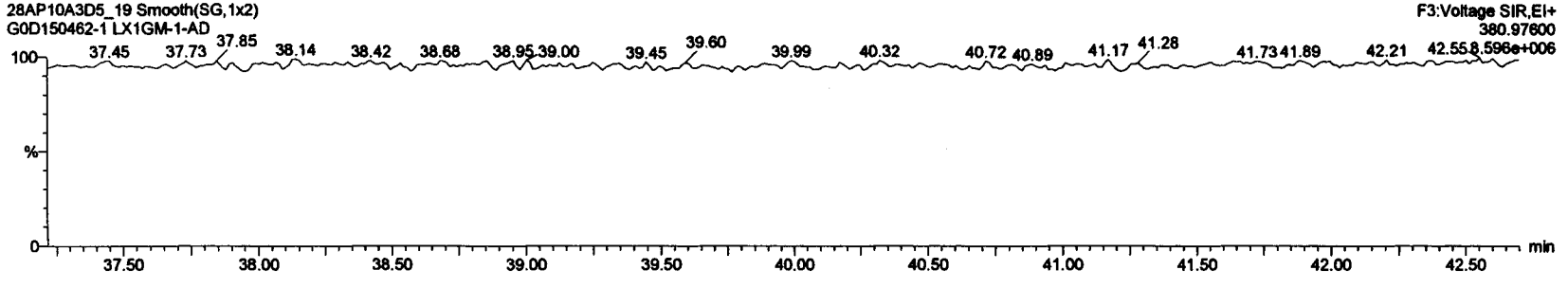
HxCDFs



HxCDF PCDPE



Function 3 PFK



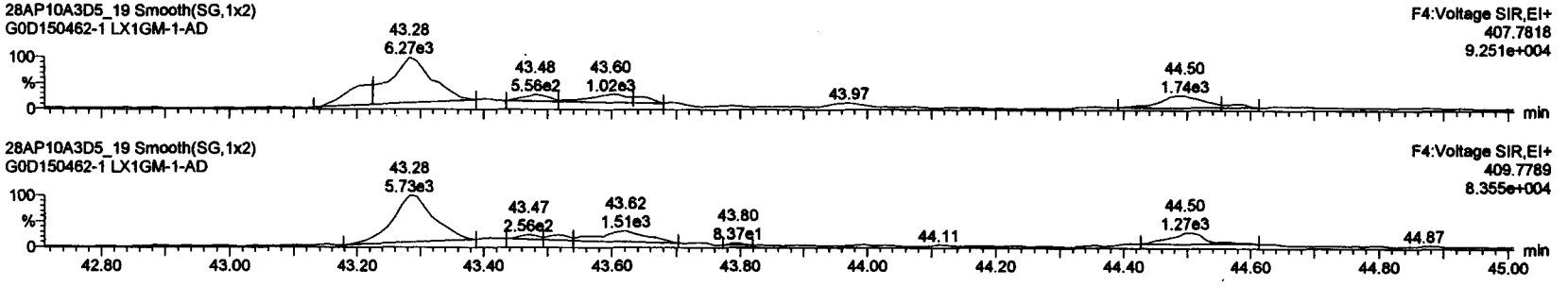
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

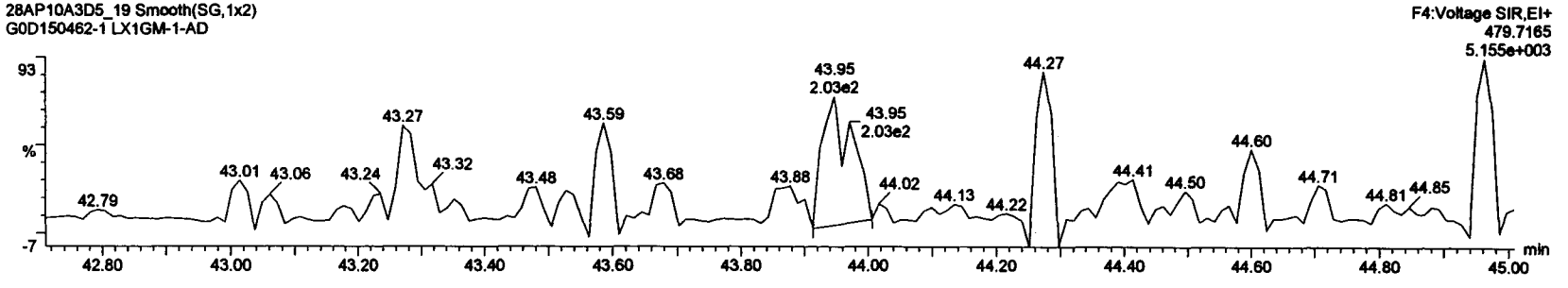
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

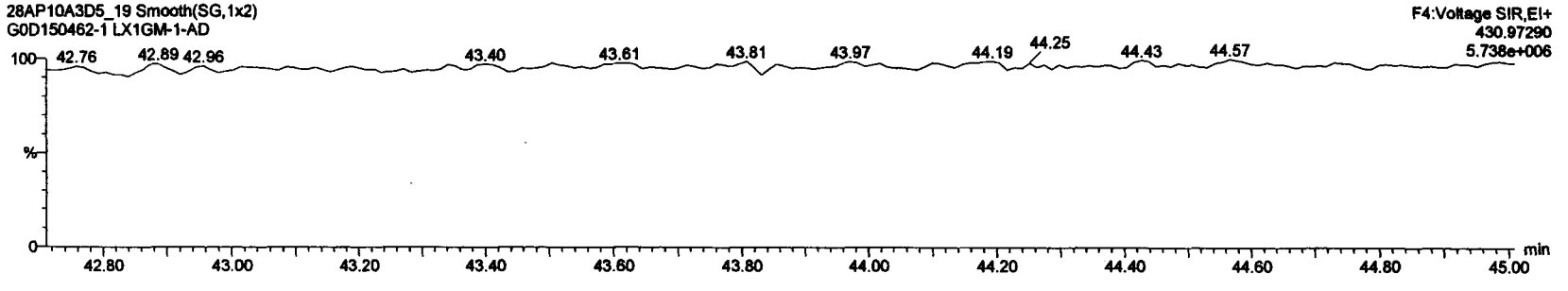
HpCDFs



HpCDF PCDPE



Function 4 PFK



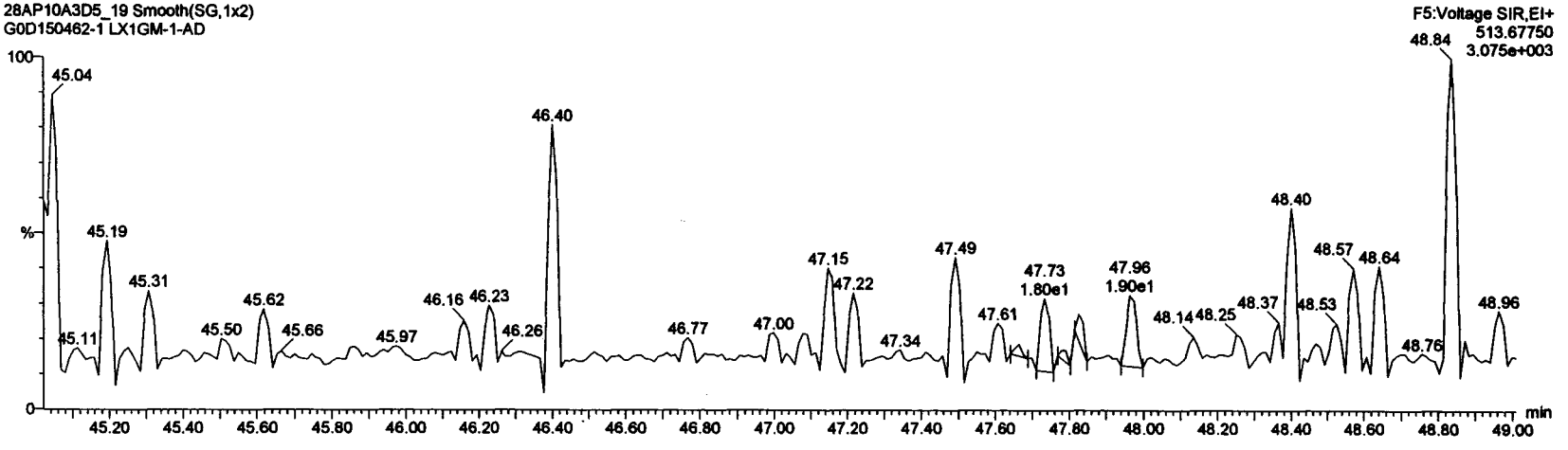
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

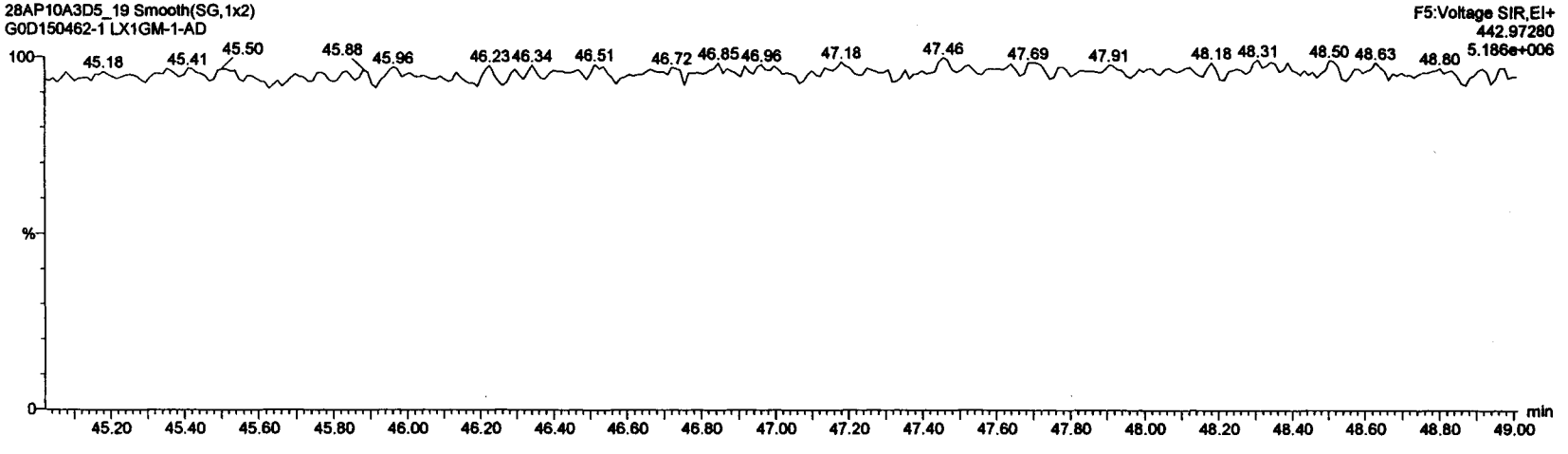
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_19, Date: 29-Apr-2010, Time: 16:23:24, ID: LX1GM-1-AD, Description: G0D150462-1

OCDF PCDPE



Function 5 PFK



G0D140435

Quantify Sample Summary Report **MassLynx 4.1**

VB 4.30.10

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:41:01 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:42:45 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S, Task:

#	Name	Trace	Sample Size	RT	Pred.RT	RRF Mean	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Pred Ratio	Ratio Out?	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	10.890	26.07	26.09	1.000	951866.31	91.8274	91.8274	100.0	0.1211	0.761	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	10.890	25.47	25.50	1.292	2298470.50	171.5987	171.5987	93.4	0.0893	0.779	0.770	NO	
4	2,3,7,8-TCDF	303.9016	10.890	25.49	25.48	0.983	240676.36	19.5604	19.5604		0.0569	0.764	0.770	NO	
5	Total TCDFs	303.9016	10.890		21.44	0.983		21.5243	~~21.5243~~		0.0569				
6															
7	13C-2,3,7,8-TCDD	331.9368	10.890	26.32	26.33	0.897	1419010.25	152.5979	152.5979	83.1	0.1350	0.741	0.770	NO	
8	2,3,7,8-TCDD	319.8965	10.890	26.35	26.33	1.051	155659.53	19.1677	19.1677		0.0561	0.825	0.770	NO	
9	Total TCDDs	319.8965	10.890		19.55	1.051		19.1677	~~19.1677~~		0.0561				
10															
11	37CL-2,3,7,8-TCDD	327.8847	10.890	26.35	26.33	1.067	781776.56	70.6803	0.0000	96.2	0.0425				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	10.890	31.33	31.32	1.011	1654674.44	157.8718	157.8718	86.0	0.1960	1.517	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.890	31.36	31.36	1.018	862299.09	94.0470	94.0470		0.1939	1.517	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	10.890	32.92	32.93	1.014	878524.13	96.1437	96.1437		0.1946	1.529	1.550	NO	
16	Total F2 PeCDFs	339.8597	10.890		34.47	1.016		190.1907	~~190.1907~~		0.1942				
17	Total F1 PeCDFs	339.8597	10.890		36.56	1.016		0.4531	~~0.4206~~		0.0843				
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	10.890	33.74	33.75	0.668	1104864.00	159.5101	159.5101	86.9	0.2131	1.640	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.890	33.78	33.76	0.996	580501.86	96.9080	96.9080		0.1727	1.676	1.550	NO	
21	Total PeCDDs	355.8546	10.890		31.10	0.996		96.9080	~~96.9080~~		0.1727				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.890	41.63	41.63	1.000	633347.72	91.8274	91.8274	100.0	0.2790	1.144	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.890	40.14	40.15	0.888	835176.13	136.3353	136.3353	74.2	0.5673	0.514	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.890	40.15	40.16	1.242	574211.22	101.7021	101.7021		0.2811	1.248	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	10.890	40.31	40.32	1.427	720086.84	110.9792	110.9792		0.2446	1.248	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	10.890	41.05	41.05	1.288	645714.00	110.2678	110.2678		0.2710	1.230	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.890	41.83	41.81	1.216	577315.81	104.3751	104.3751		0.2869	1.358	1.240	NO	
30	Total HxCDFs	373.8208	10.890		0.00	1.293		427.3242	~~427.3242~~		0.2699				
31															

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:41:01 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:42:45 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S, Task:

#	Name	[illegible]	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio ...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	10.890	41.30	41.32	0.811	972543.69	173.8069	173.8069	94.6	0.3440	1.280	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	10.890	41.22	41.21	0.883	333824.58	71.4150	71.4150		0.1948	1.412	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	10.890	41.32	41.31	1.084	543010.72	94.5532	94.5532		0.1585	1.185	1.240	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	10.890	41.64	41.63	1.184	474184.92	75.6279	75.6279		0.1452	1.253	1.240	NO	
36	Total HxCDDs	389.8157	10.890		0.00	1.050		241.5961	~~241.5961~~		0.1637				
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.890	43.28	43.28	0.801	692208.33	125.2796	125.2796	68.2	1.0768	0.459	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	10.890	43.29	43.30	1.381	518322.63	99.5601	99.5601		0.3332	0.996	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	10.890	44.50	44.47	1.110	457126.27	109.3120	109.3120		0.4148	1.082	1.040	NO	30-Apr-10
41	Total HpCDFs	407.7818	10.890		0.00	1.245		208.8721	~~208.8721~~		0.3695				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.890	44.16	44.15	0.682	614449.78	130.6112	130.6112	71.1	0.6685	1.050	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	10.890	44.17	44.17	1.031	322870.69	93.6309	93.6309		0.2768	1.002	1.040	NO	
45	Total HpCDDs	423.7766	10.890		0.01	1.031		93.6309	~~93.6309~~		0.2768				
46															
47	13C-OCDD	469.7779	10.890	46.77	46.75	0.497	649971.41	189.5807	189.5807	51.6	1.0178	0.885	0.890	NO	
48	OCDF	441.7428	10.890	46.87	46.87	1.426	568466.16	225.3089	225.3089		0.7570	0.951	0.890	NO	
49	OCDD	457.7377	10.890	46.78	46.78	1.155	398309.50	194.8043	194.8043		1.1609	0.921	0.890	NO	
50															
51															
52	Function 1 PFK	330.97920	1.000		28.66										
53	Function 2 PFK	342.97920	1.000		36.91										
54	Function 3 PFK	380.97600	1.000	41.64	41.66		4064.26								
55	Function 4 PFK	430.97290	1.000		43.29										
56	Function 5 PFK	442.97280	1.000		48.80										
57	TCDF PCDPE	375.8364	1.000		24.99										
58	F1 PeCDF PCDPE	409.79740	1.000		21.98										
59	F2 PeCDF PCDPE	409.7974	1.000	33.59	33.61		2.29								
60	HXCDF PCDPE	445.7555	1.000	38.63	38.56		21.91								
61	HPCDF PCDPE	479.7165	1.000	43.91	44.00		62.30								
62	OCDF PCDPE	513.67750	1.000		47.82										

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:48:50 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	10.890	26.07	26.09	1.000	951866.31	91.8274	91.8274	100.0	0.1211	0.761	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	10.890	25.47	25.50	1.292	2298470.50	171.5987	171.5987	93.4	0.0893	0.779	0.770	NO	
4	2,3,7,8-TCDF	303.9016	10.890	25.48	25.48	0.983	240676.36	19.5604	19.5604		0.0569	0.764	0.770	NO	
5	Total TCDFs	303.9016	10.890		21.44	0.983		21.5243	21.5243		0.0569				
6															
7	13C-2,3,7,8-TCDD	331.9368	10.890	26.32	26.33	0.897	1419010.25	152.5979	152.5979	83.1	0.1350	0.741	0.770	NO	
8	2,3,7,8-TCDD	319.8965	10.890	26.35	26.33	1.051	155659.53	19.1677	19.1677		0.0561	0.825	0.770	NO	
9	Total TCDDs	319.8965	10.890		19.55	1.051		19.1677	19.1677		0.0561				
10															
11	37CL-2,3,7,8-TCDD	327.8847	10.890	26.35	26.33	1.067	781776.56	70.6803	0.0000	96.2	0.0425				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	10.890	31.33	31.33	1.011	1654674.44	157.8718	157.8718	86.0	0.1960	1.517	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.890	31.36	31.36	1.018	862299.09	94.0470	94.0470		0.1939	1.517	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	10.890	32.92	32.92	1.014	878524.13	96.1437	96.1437		0.1946	1.529	1.550	NO	
16	Total F2 PeCDFs	339.8597	10.890		34.47	1.016		190.1907	190.1907		0.1942				
17	Total F1 PeCDFs	339.8597	10.890		36.56	1.016		0.4531	0.4206		0.0843				
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	10.890	33.74	33.75	0.668	1104864.00	159.5101	159.5101	86.9	0.2131	1.640	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.890	33.78	33.76	0.996	580501.86	96.9080	96.9080		0.1727	1.676	1.550	NO	
21	Total PeCDDs	355.8546	10.890		31.10	0.996		96.9080	96.9080		0.1727				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.890	41.63	41.63	1.000	633347.72	91.8274	91.8274	100.0	0.2790	1.144	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.890	40.14	40.15	0.888	835176.13	136.3353	136.3353	74.2	0.5673	0.514	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.890	40.15	40.16	1.242	574211.22	101.7021	101.7021		0.2811	1.248	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	10.890	40.31	40.32	1.427	720086.84	110.9792	110.9792		0.2446	1.248	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	10.890	41.05	41.05	1.288	645714.00	110.2678	110.2678		0.2710	1.230	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.890	41.83	41.81	1.216	577315.81	104.3751	104.3751		0.2869	1.358	1.240	NO	
30	Total HxCDFs	373.8208	10.890		0.00	1.293		427.3242	427.3242		0.2699				
31															
32	13C-1,2,3,6,7,8-HxCDD	401.8559	10.890	41.30	41.32	0.811	972543.69	173.8069	173.8069	94.6	0.3440	1.280	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	10.890	41.22	41.21	0.883	333824.58	71.4150	71.4150		0.1948	1.412	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	10.890	41.32	41.31	1.084	543010.72	94.5532	94.5532		0.1585	1.185	1.240	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	10.890	41.64	41.63	1.184	474184.92	75.6279	75.6279		0.1452	1.253	1.240	NO	

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:48:50 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
36	Total HxCDDs	389.8157	10.890		0.00	1.050			241.5961	241.5961		0.1637				
37																
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.890	43.28	43.28	0.801		692208.33	125.2796	125.2796	68.2	1.0768	0.459	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	10.890	43.29	43.30	1.381		518322.63	99.5601	99.5601		0.3332	0.996	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	10.890	44.50	44.47	1.110		427273.16	102.1733	92.5210		0.4148	1.253	1.040	YES	
41	Total HpCDFs	407.7818	10.890		0.00	1.245			201.7334	192.0811		0.3695				
42	13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.890	44.16	44.15	0.682		614449.78	130.6112	130.6112	71.1	0.6685	1.050	1.040	NO	
43	1,2,3,4,6,7,8-HpCDD	423.7766	10.890	44.17	44.17	1.031		322870.69	93.6309	93.6309		0.2768	1.002	1.040	NO	
44	Total HpCDDs	423.7766	10.890		0.01	1.031			93.6309	93.6309		0.2768				
45	13C-OCDD	469.7779	10.890	46.77	46.75	0.497		649971.41	189.5807	189.5807	51.6	1.0178	0.885	0.890	NO	
46	OCDF	441.7428	10.890	46.87	46.87	1.426		568466.16	225.3089	225.3089		0.7570	0.951	0.890	NO	
47	OCDD	457.7377	10.890	46.78	46.78	1.155		398309.50	194.8043	194.8043		1.1609	0.921	0.890	NO	
48																
49	Function 1 PFK	330.97920	1.000		28.66											
50	Function 2 PFK	342.97920	1.000		36.91											
51	Function 3 PFK	380.97600	1.000	41.64	41.66			4064.26								
55	Function 4 PFK	430.97290	1.000		43.29											
56	Function 5 PFK	442.97280	1.000		48.80											
57	TCDF PCDPE	375.8364	1.000		24.99											
58	F1 PeCDF PCDPE	409.79740	1.000		21.98											
59	F2 PeCDF PCDPE	409.7974	1.000	33.59	33.61			2.29								
60	HXCDF PCDPE	445.7555	1.000	38.63	38.56			21.91								
61	HPCDF PCDPE	479.7165	1.000	43.91	44.00			62.30								
62	OCDF PCDPE	513.67750	1.000		47.82											

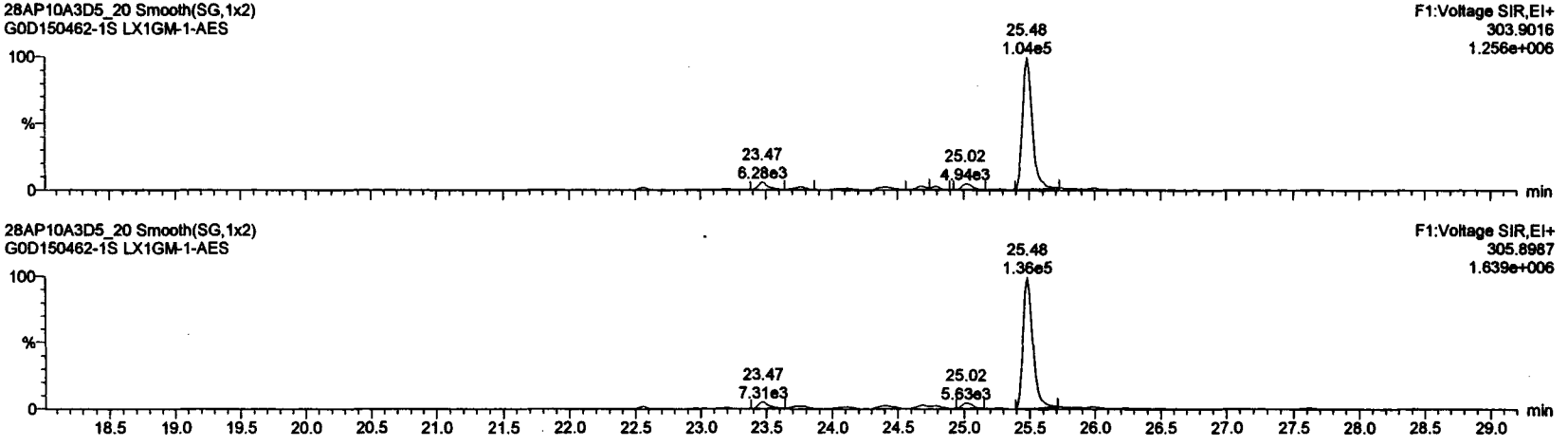
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

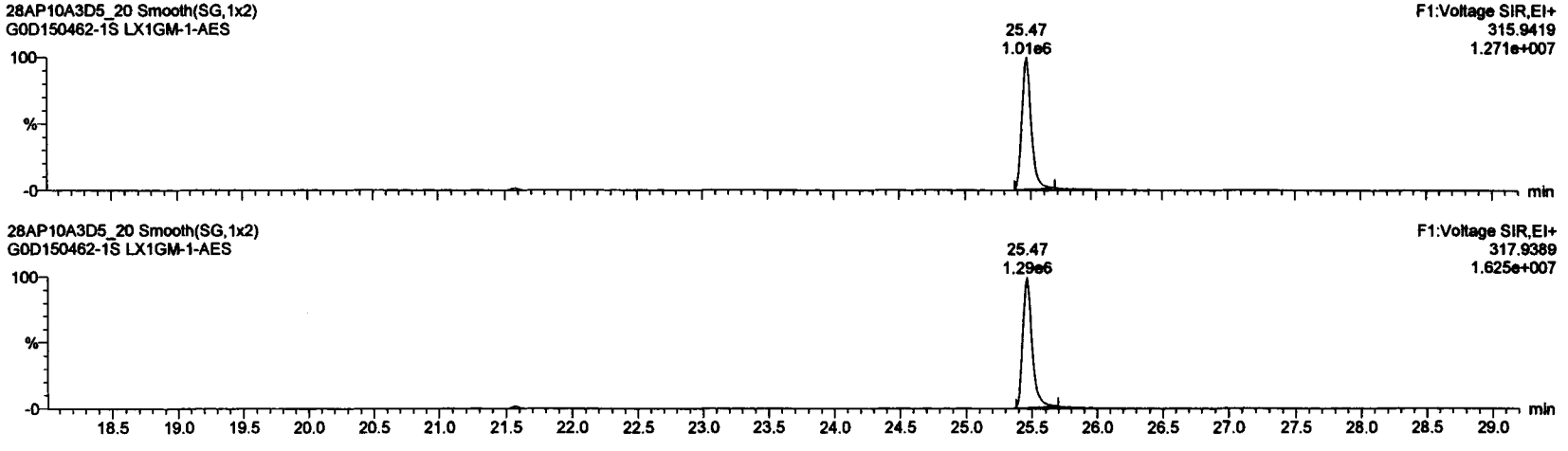
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

TCDFs



13C-TCDF



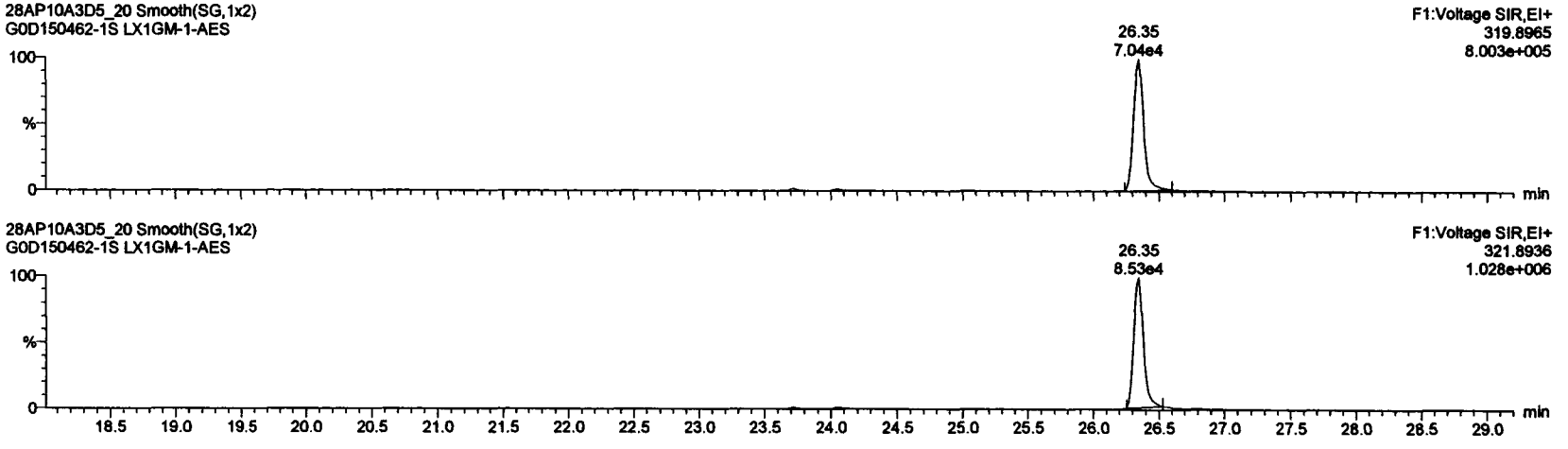
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

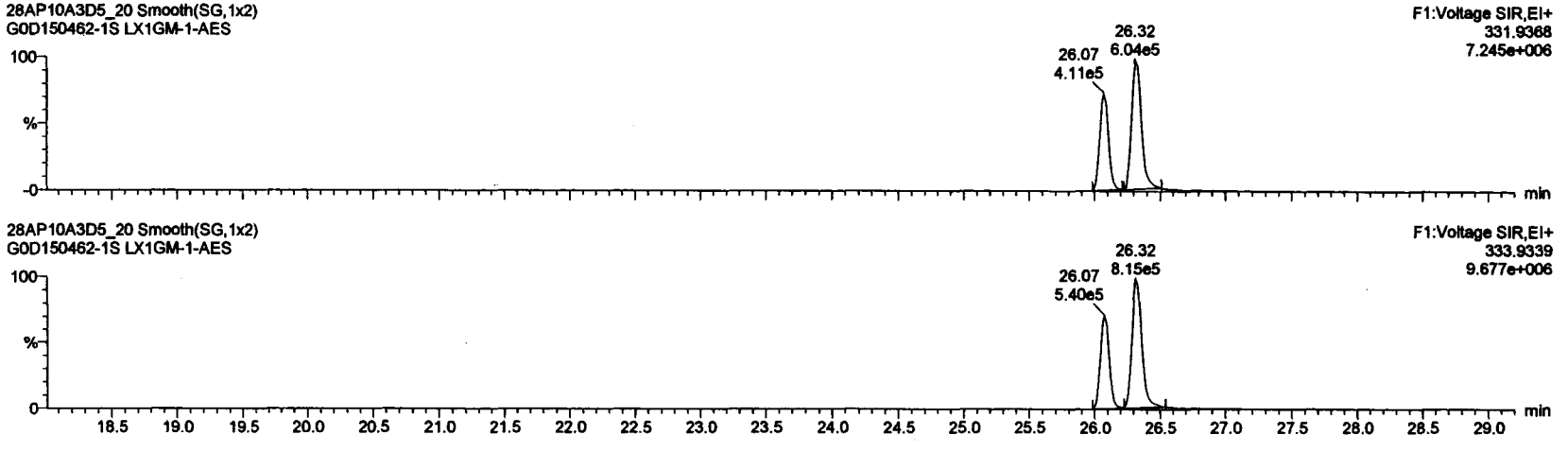
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

TCDDs



13C-TCDDs



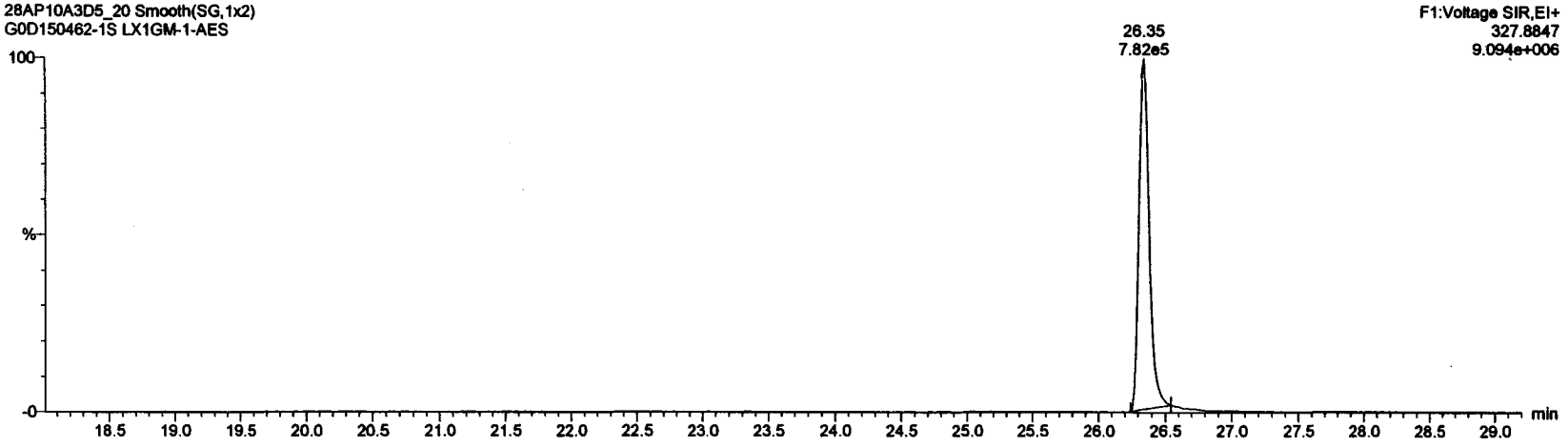
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

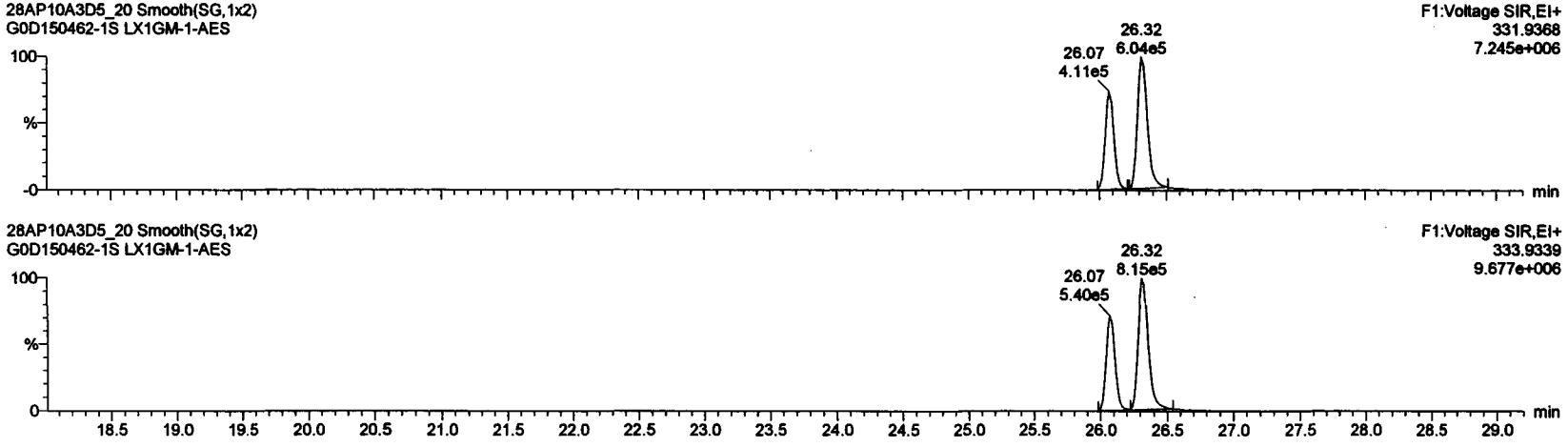
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

37CL-2,3,7,8-TCDD



13C-TCDDs



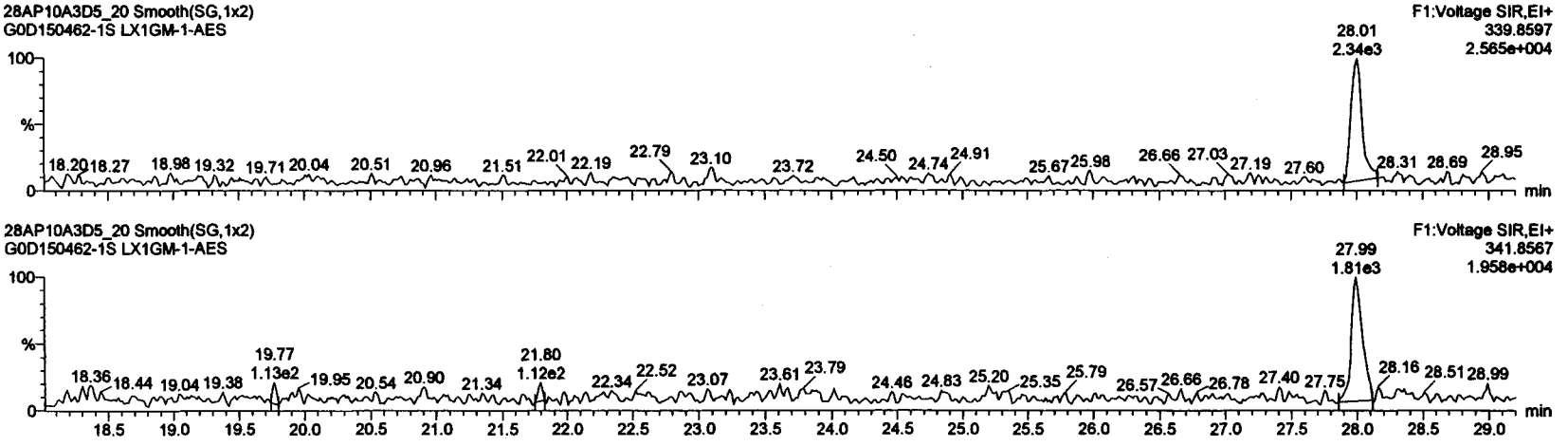
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

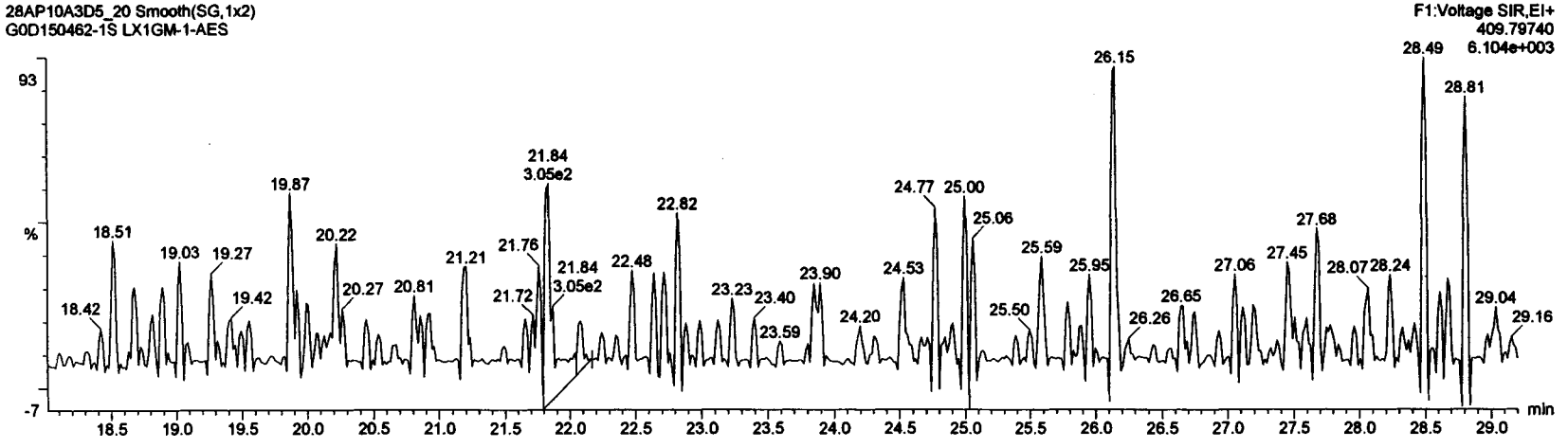
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

F1 PeCDFs



F1 PeCDF PCDPE



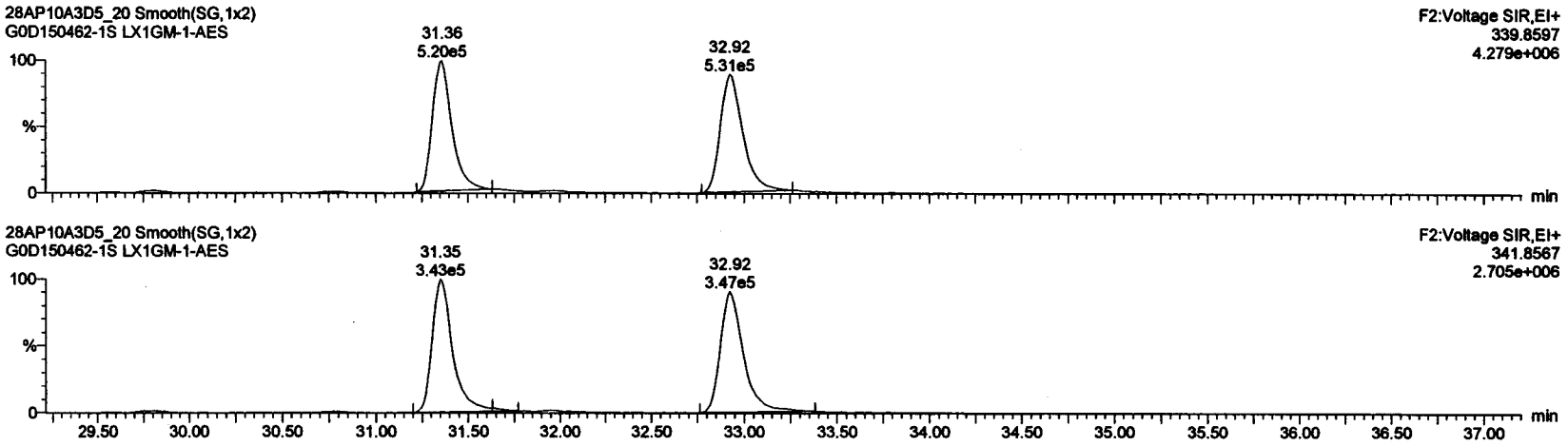
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

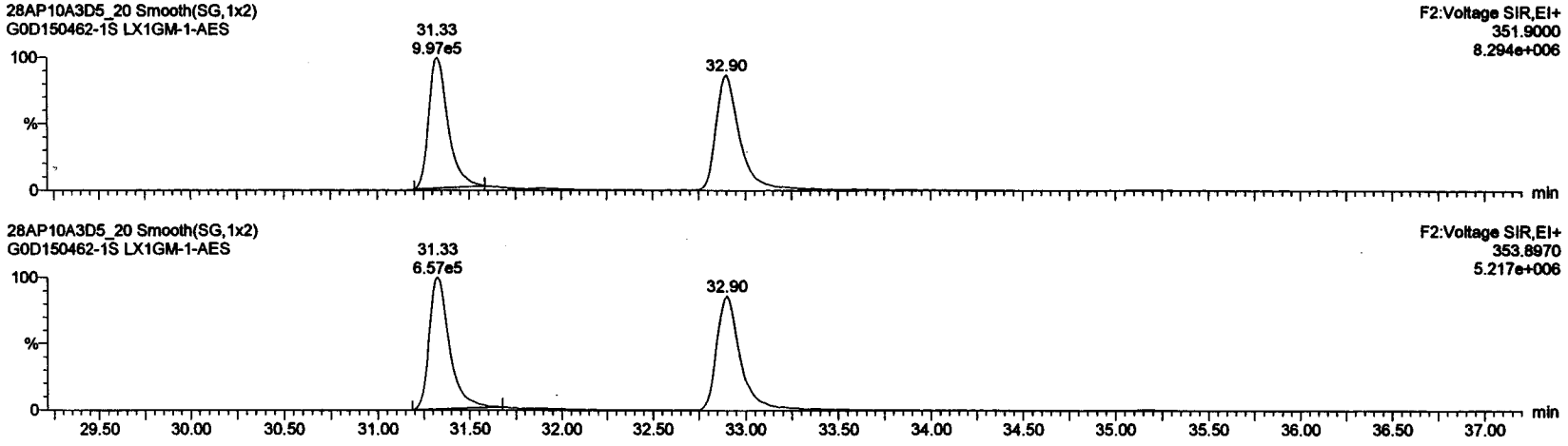
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

PeCDFs



13C-PeCDFs



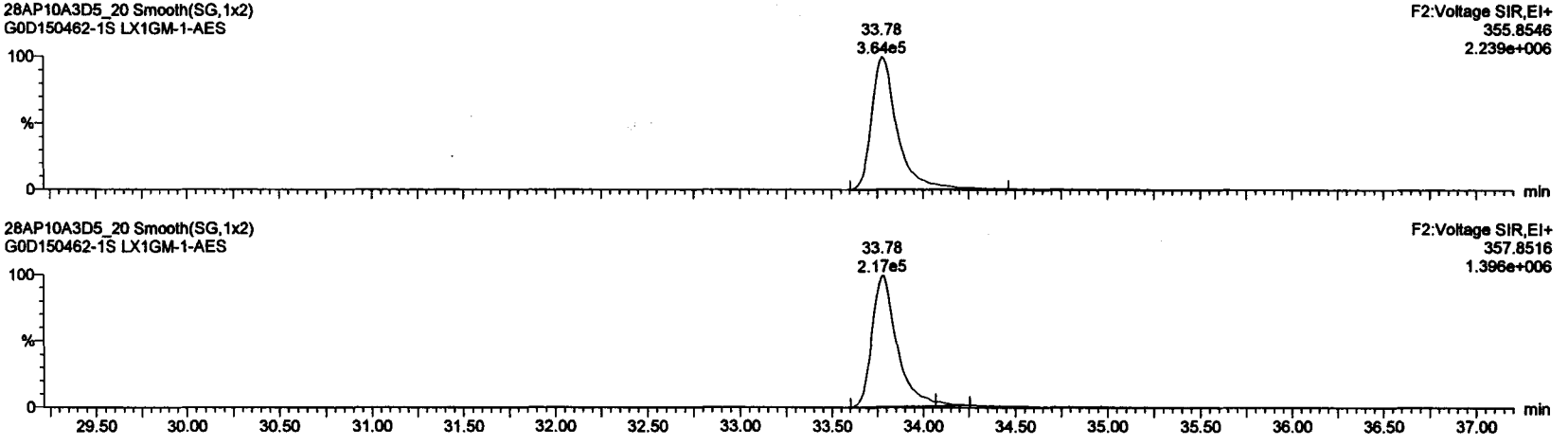
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

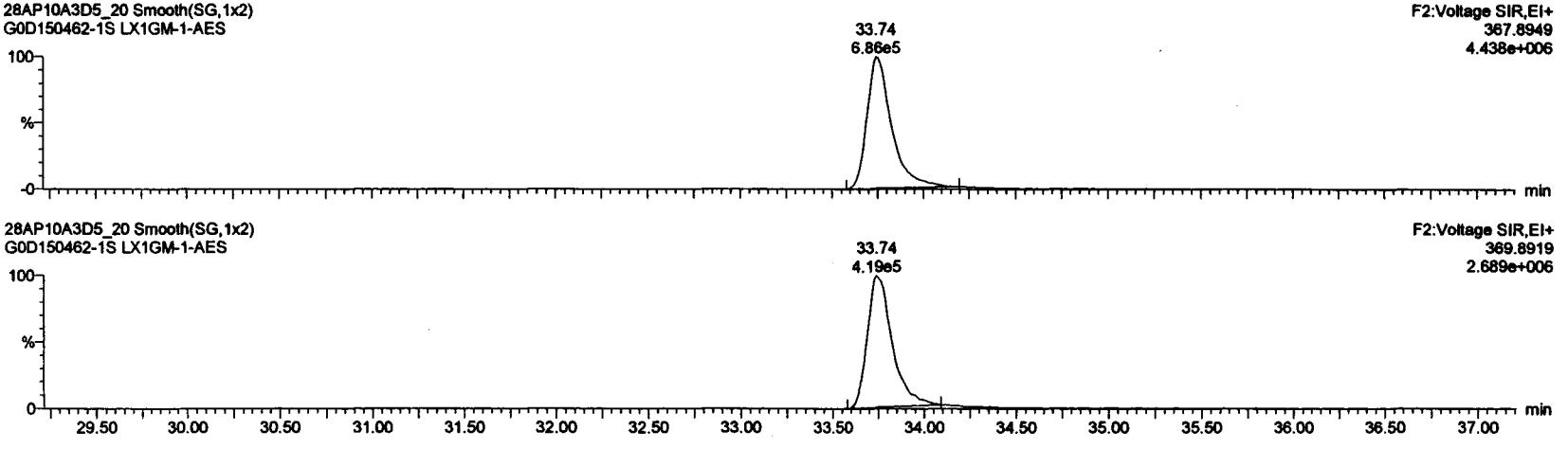
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

PeCDDs



13C-PeCDD



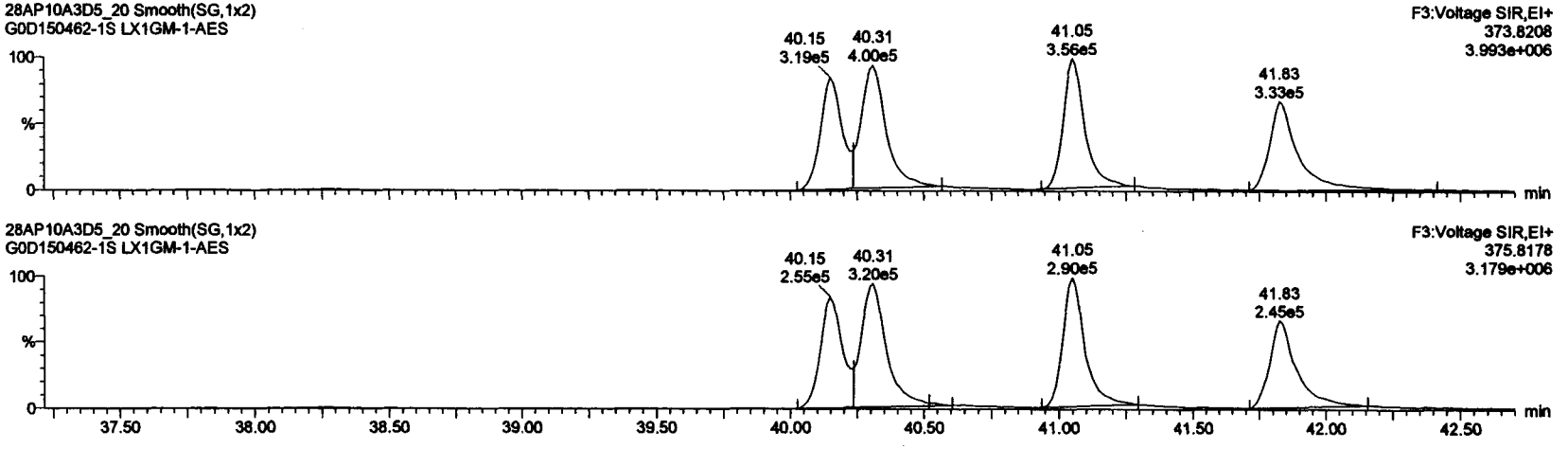
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

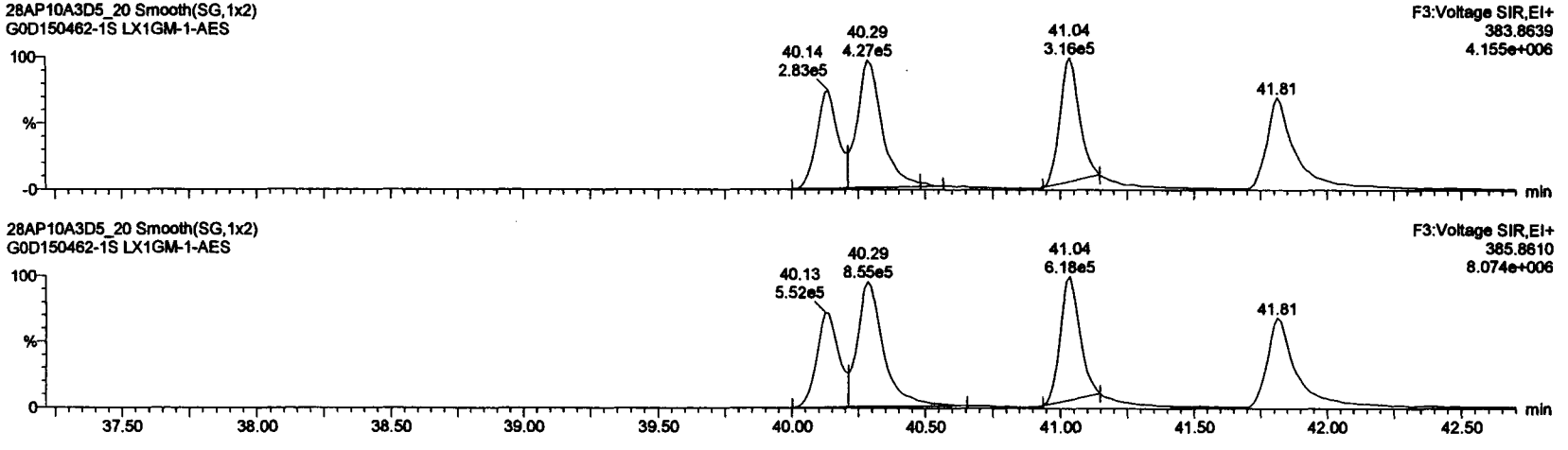
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

HxCDFs



13C-HxCDFs



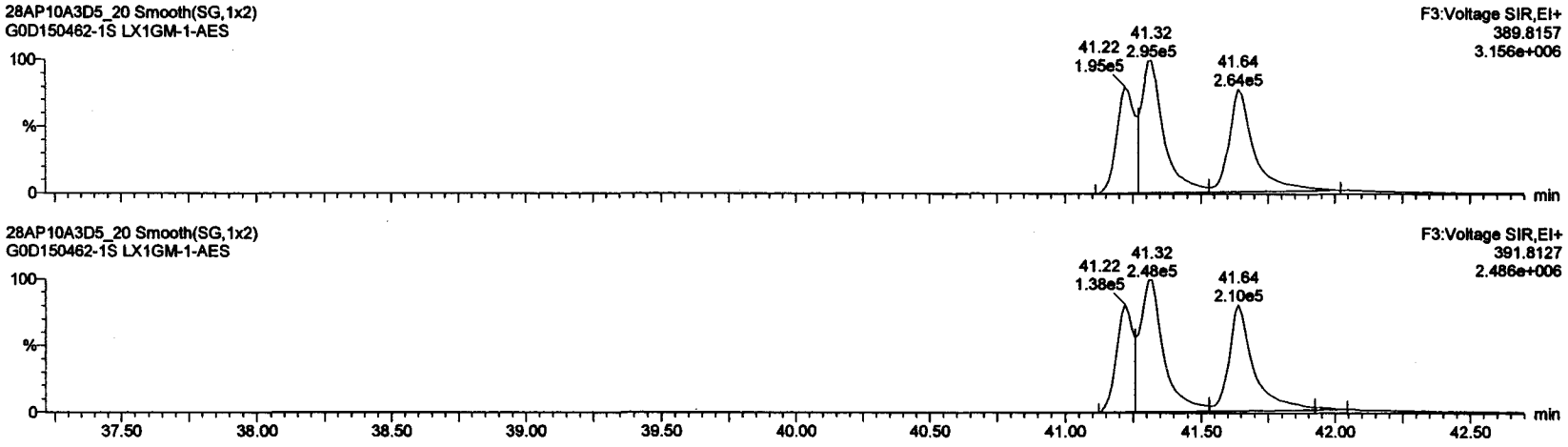
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

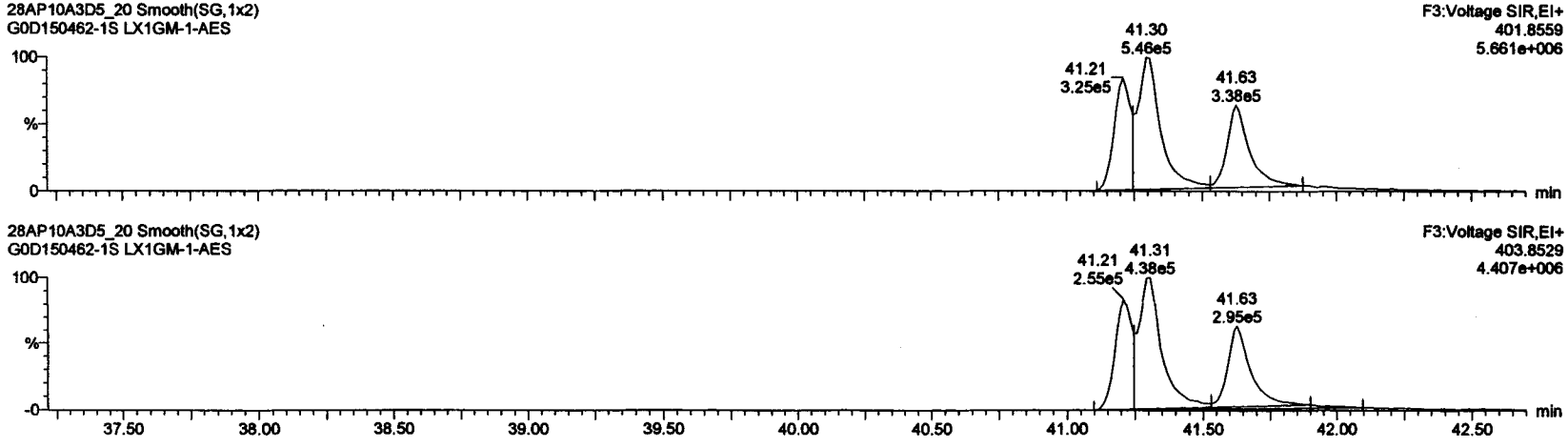
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

HxCDDs



13C-HxCDDs



Quantify Compound Report **MassLynx 4.1**

Dataset: \\Terastation\share\HighRes_Archive\3D5\JAN2010.PRO\28AP10A3D58290EVG.qld

Last Altered: Friday, April 30, 2010 14:41:01 Pacific Daylight Time
Printed: Friday, April 30, 2010 14:42:00 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Sample Name: 28AP10A3D5_20

28AP10A3D5_20 Smooth(SG,1x2)
G0D150462-1S LX1GM-1-AES

F4:Voltage SIR,EI+
407.7818
1.768e+006

1,2,3,4,7,8,9-HpCDF
44.50
237612
1746532
bb

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

43.48

%
1
min

28AP10A3D5_20 Smooth(SG,1x2)
G0D150462-1S LX1GM-1-AES

F4:Voltage SIR,EI+
409.7789
1.672e+006

1,2,3,4,7,8,9-HpCDF
44.48
219514
1653234
MM

43.48

%
1
min

43.50 43.60 43.70 43.80 43.90 44.00 44.10 44.20 44.30 44.40 44.50 44.60 44.70 44.80 44.90 45.00

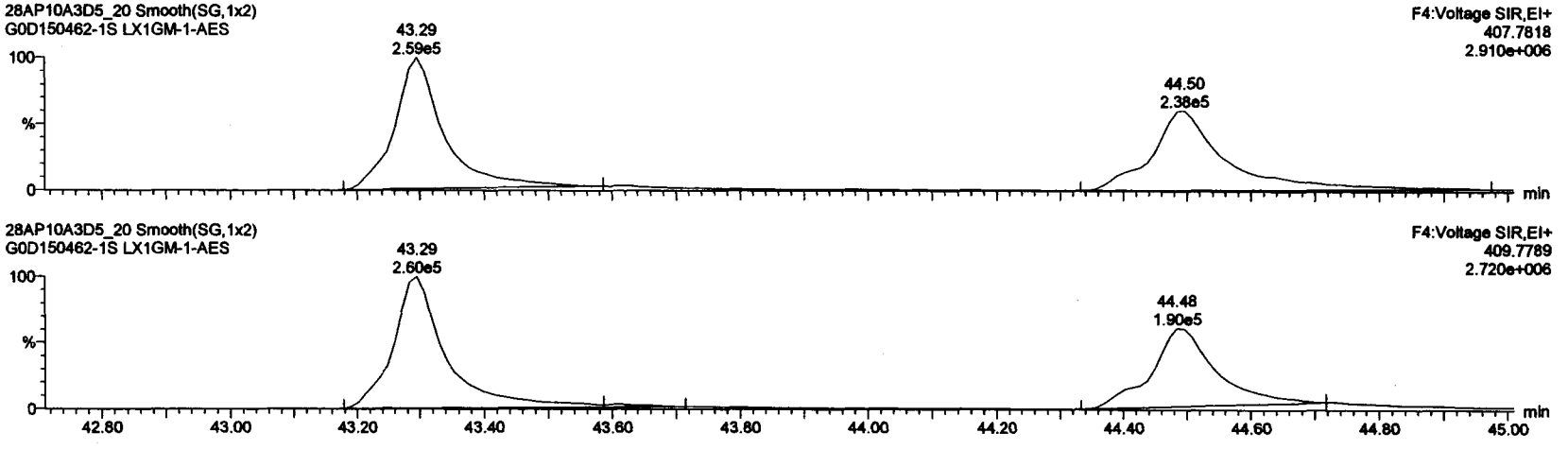
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

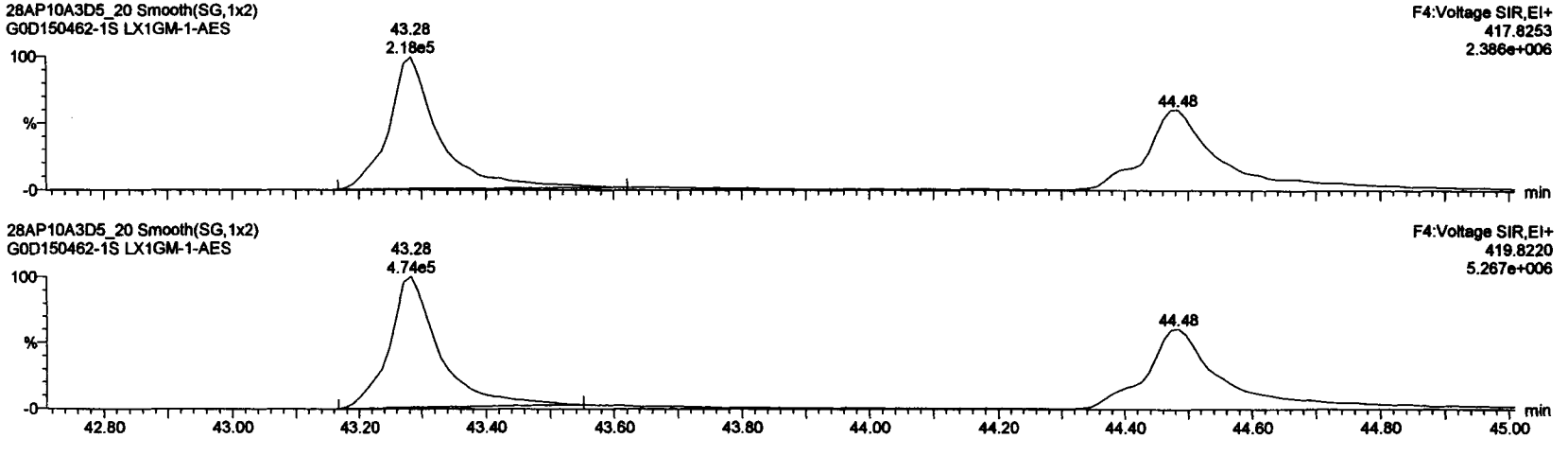
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

HpCDFs



13C-HpCDFs



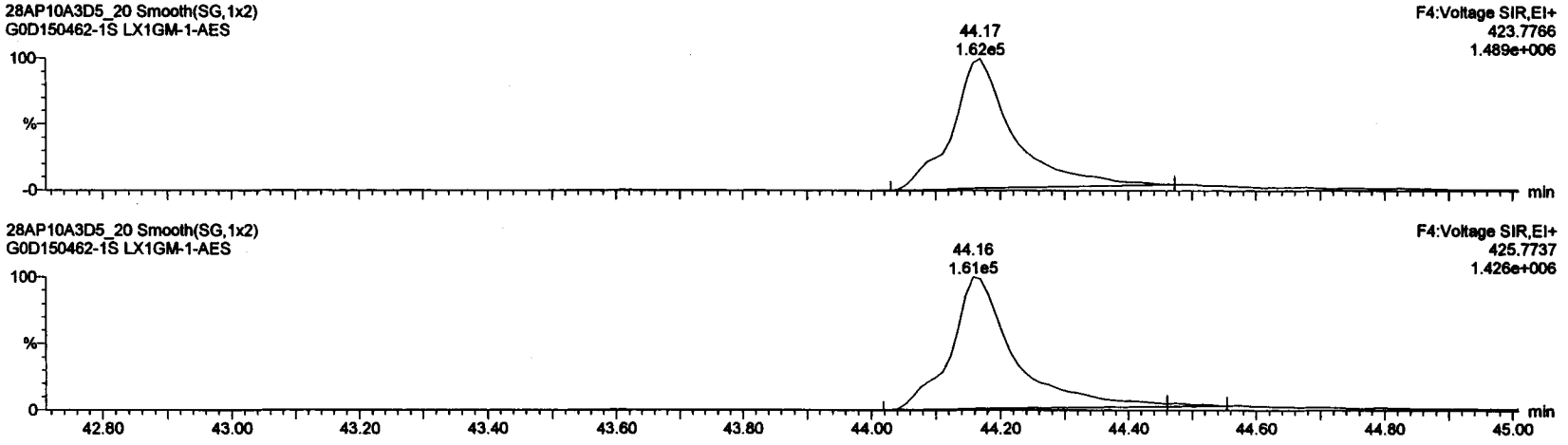
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

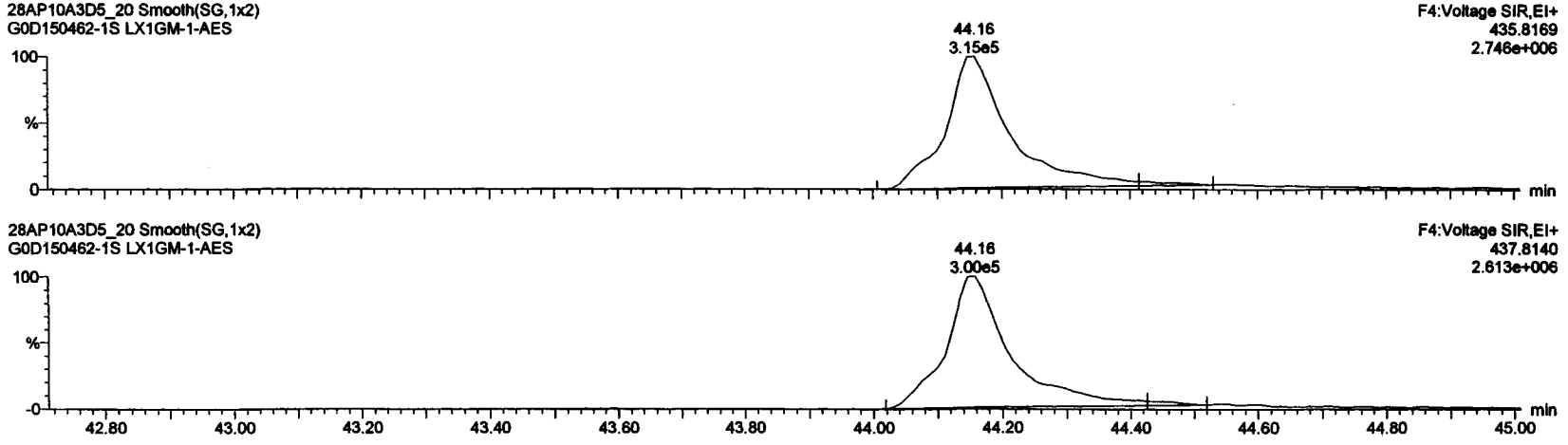
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

HpCDDs



13C-HpCDD



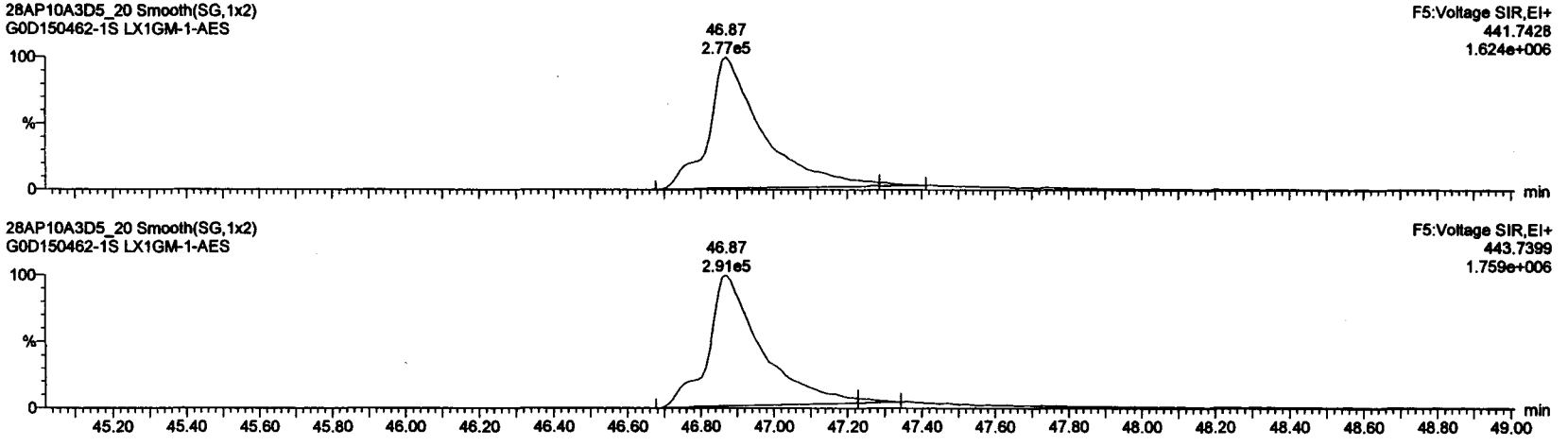
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

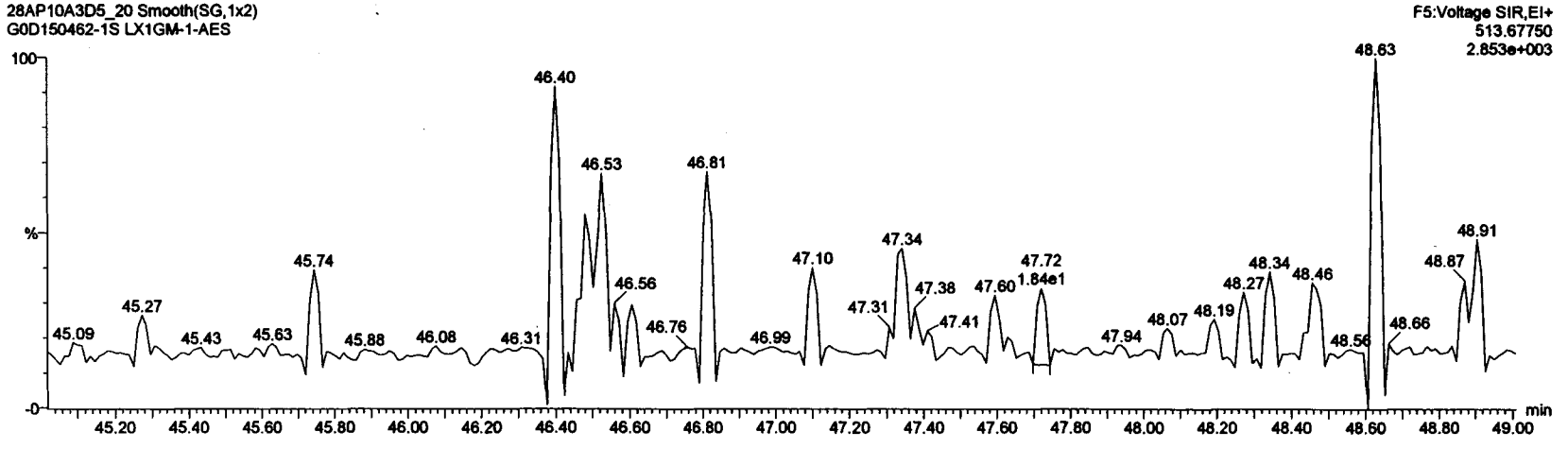
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

OCDFs



OCDF PCDPE



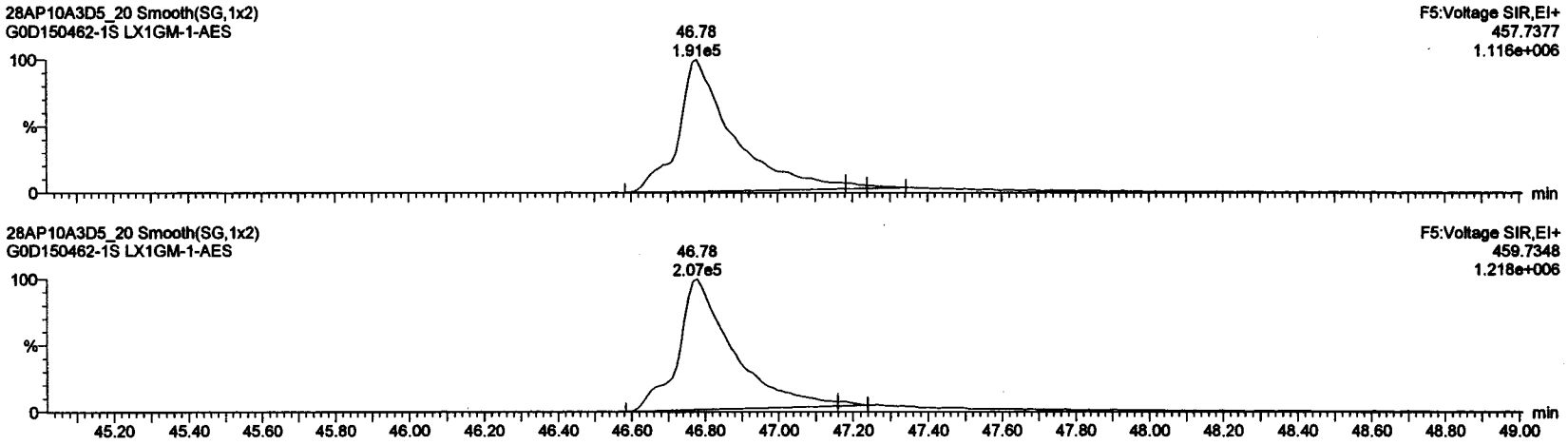
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

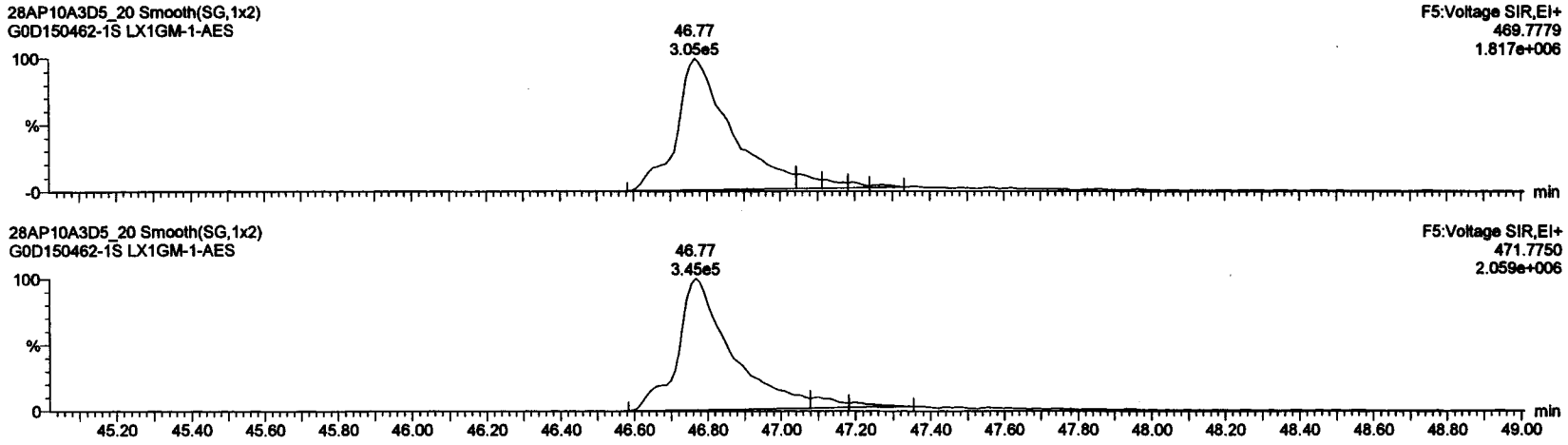
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

OCDD



13C-OCDD



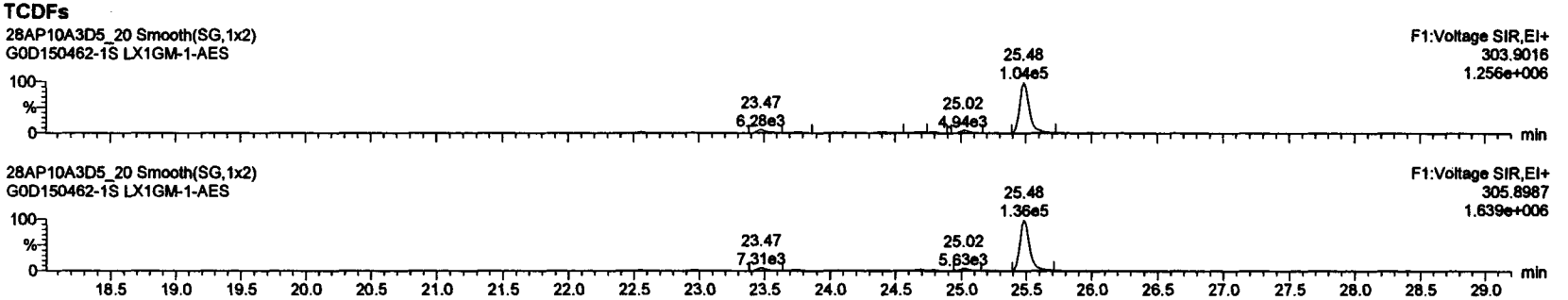
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

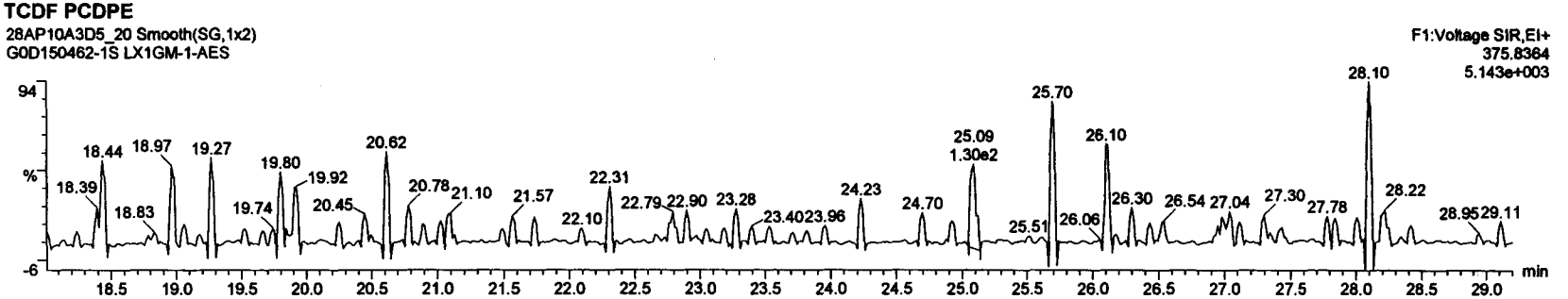
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

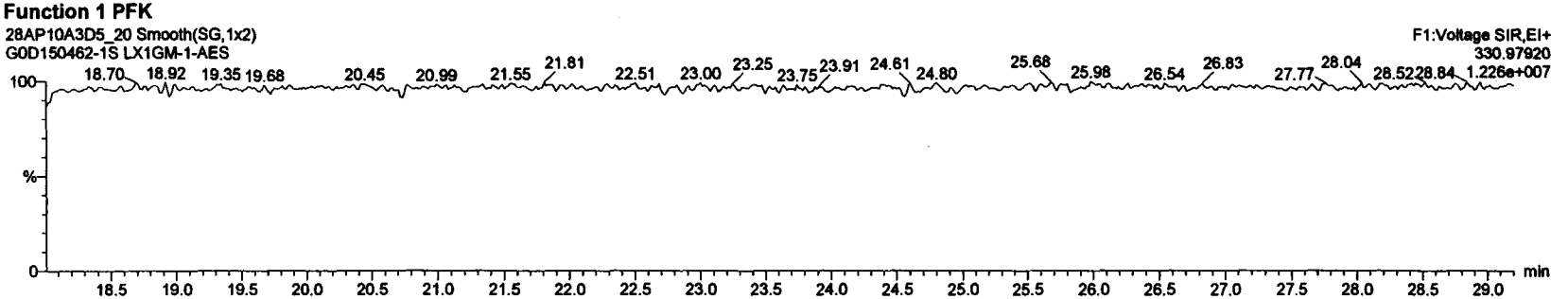
TCDFs



TCDF PCDPE



Function 1 PFK



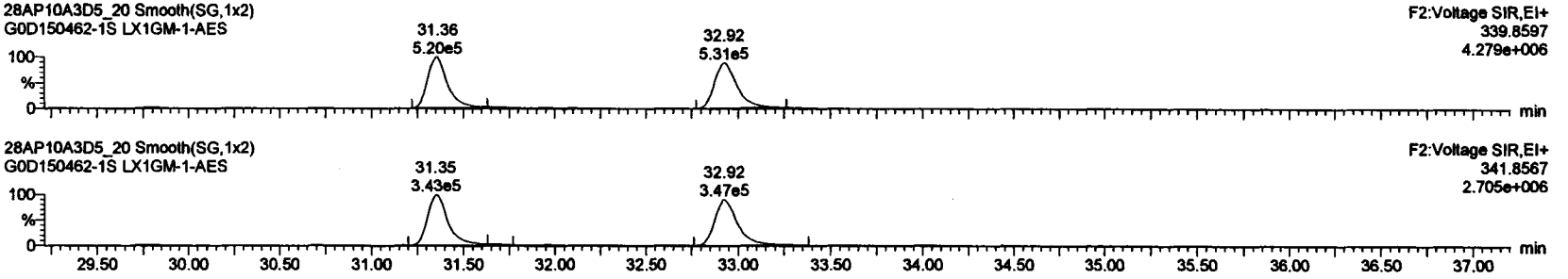
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

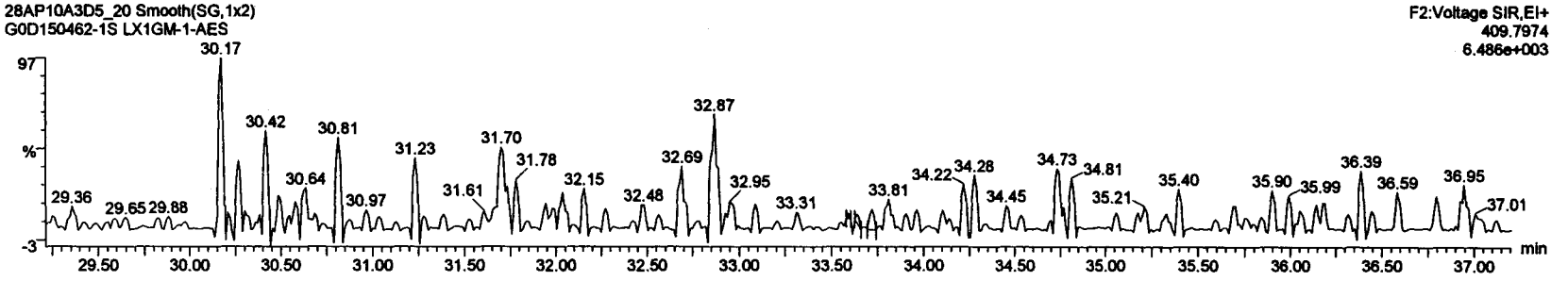
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

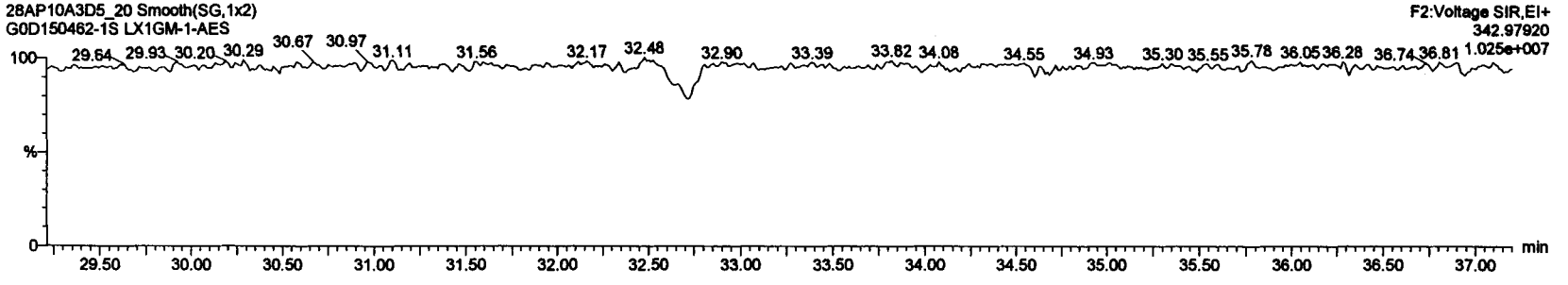
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



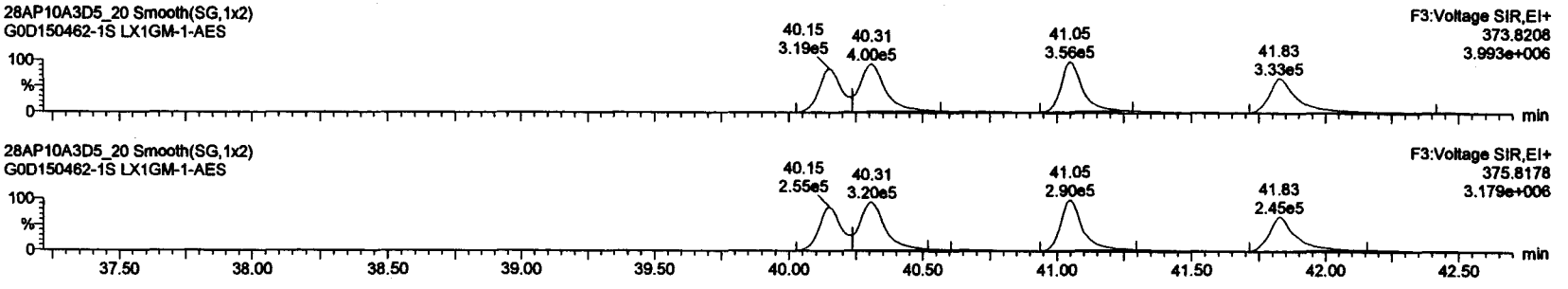
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

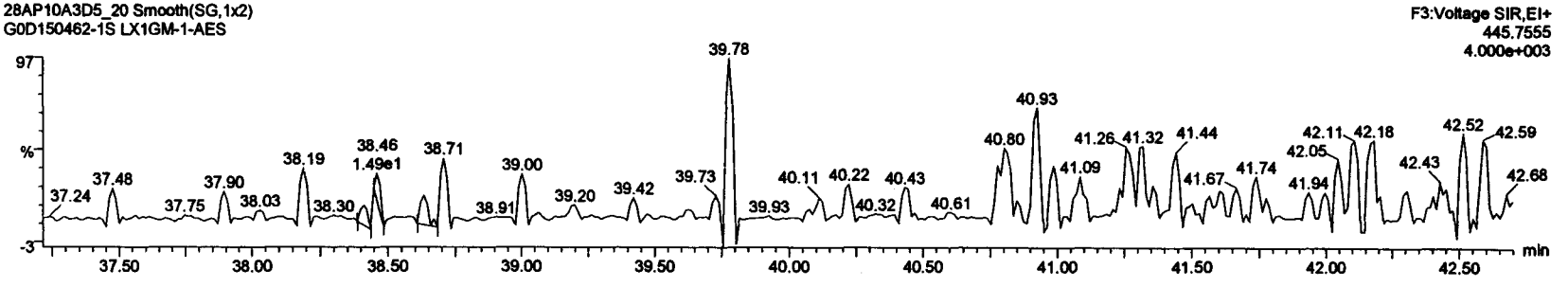
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

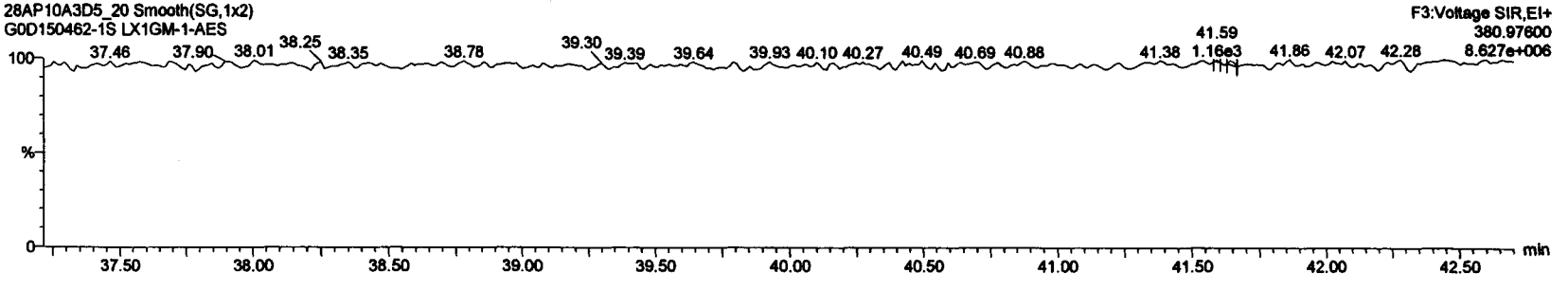
HxCDFs



HxCDF PCDPE



Function 3 PFK



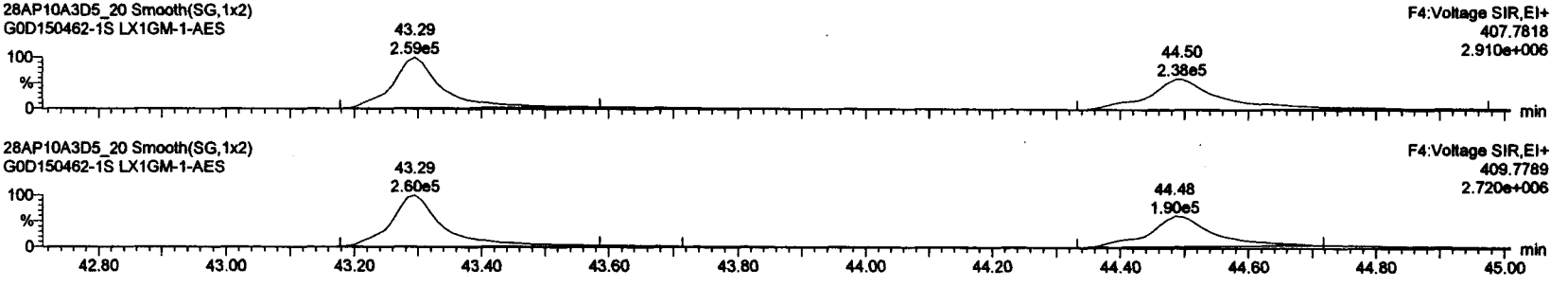
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

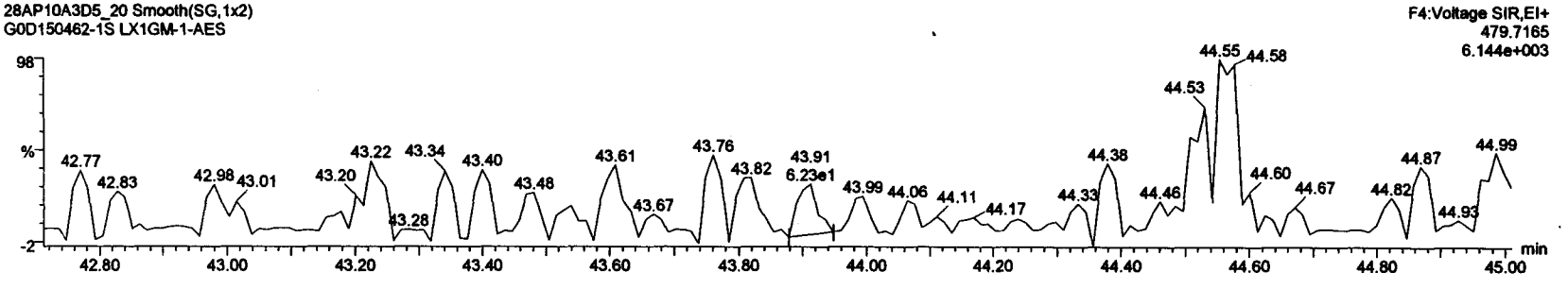
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

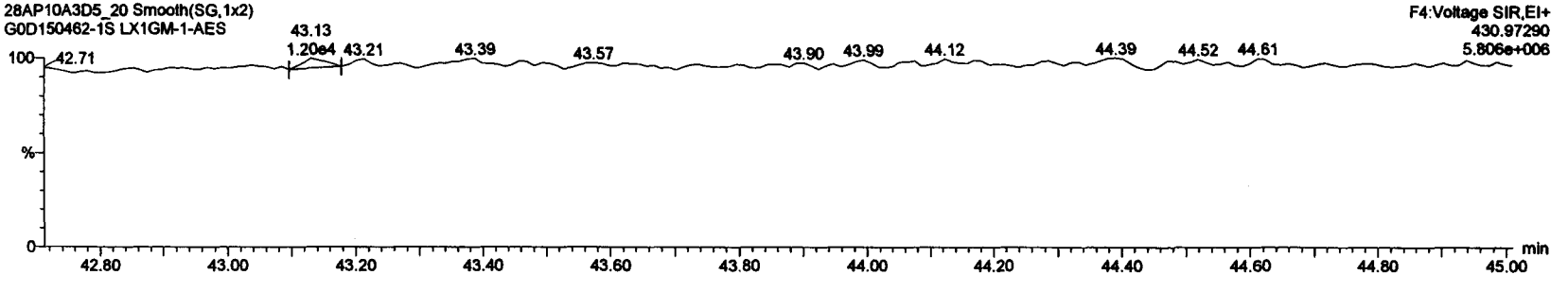
HpCDFs



HpCDF PCDPE



Function 4 PFK



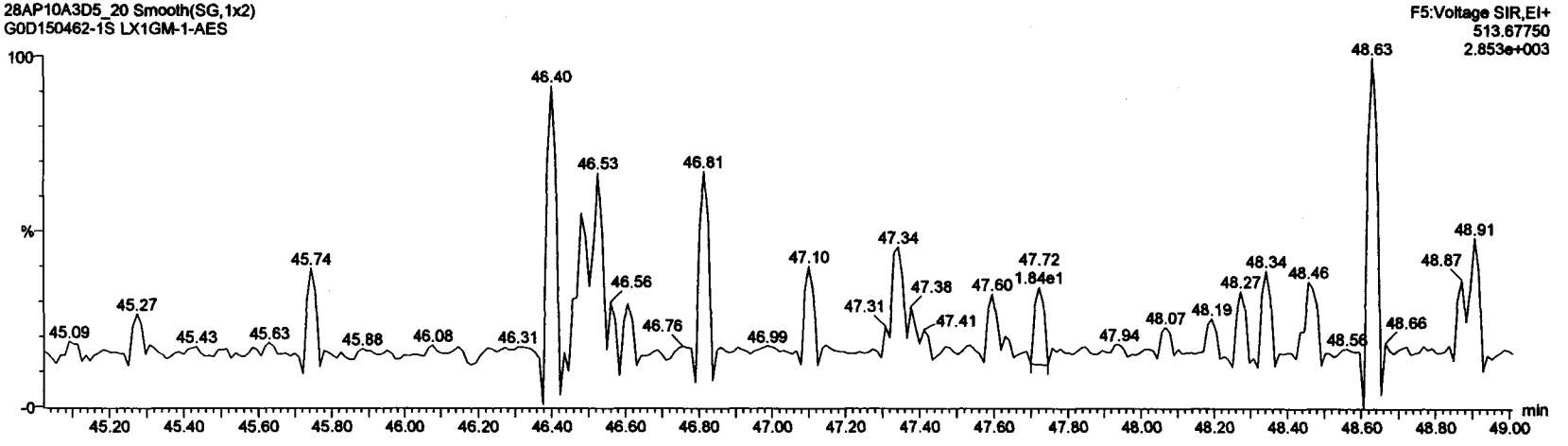
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

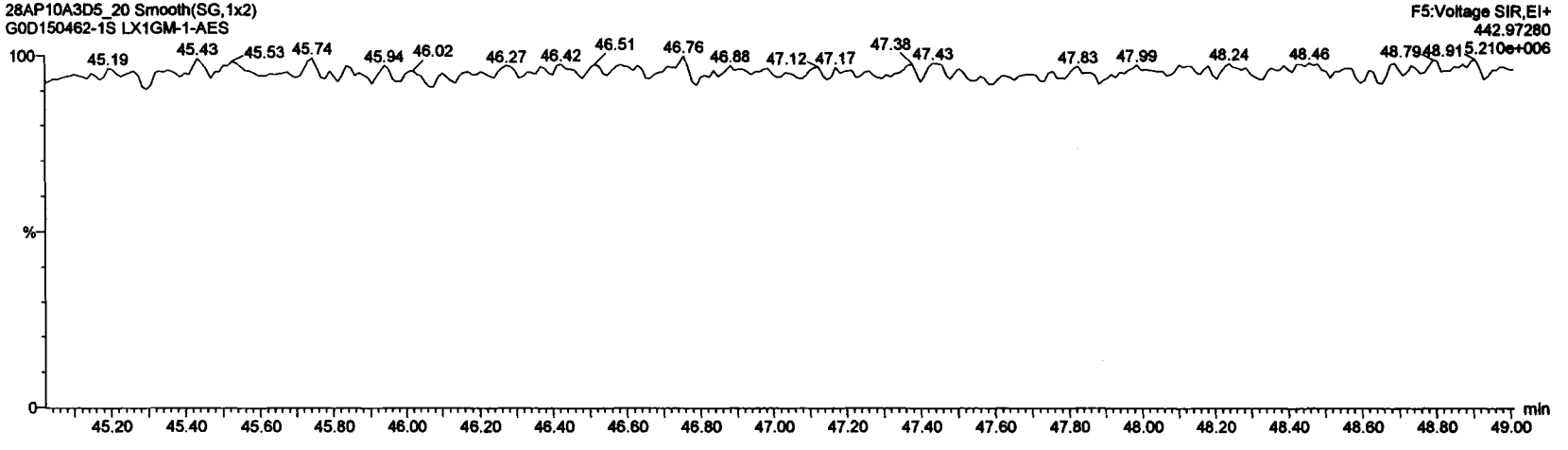
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_20, Date: 29-Apr-2010, Time: 17:13:33, ID: LX1GM-1-AES, Description: G0D150462-1S

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:48:50 Pacific Daylight Time

VS 4-30-6

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	10.020	26.04	26.06	1.000	2804899.63	99.8004	99.8004	100.0	0.0556	0.765	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	10.020	25.44	25.50	1.292	5845192.25	160.9506	160.9506	80.6	0.0455	0.791	0.770	NO	
4	2,3,7,8-TCDF	303.9016	10.020	25.45	25.45	0.983	641574.66	22.2840	22.2840		0.0237	0.764	0.770	NO	
5	Total TCDFs	303.9016	10.020		21.44	0.983		28.2235	28.2235		0.0237				
6															
7	13C-2,3,7,8-TCDD	331.9368	10.020	26.30	26.30	0.897	3759693.13	149.1194	149.1194	74.7	0.0620	0.816	0.770	NO	
8	2,3,7,8-TCDD	319.8965	10.020	26.32	26.30	1.051	458703.09	23.1697	23.1697		0.0243	0.758	0.770	NO	
9	Total TCDDs	319.8965	10.020		19.55	1.051		23.1697	~~23.1697~~		0.0243				
10															
11	37CL-2,3,7,8-TCDD	327.8847	10.020	26.32	26.30	1.067	2276839.75	75.9218	0.0000	95.1	0.0232				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	10.020	31.30	31.30	1.011	4342935.38	152.8249	152.8249	76.6	0.1232	1.577	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	10.020	31.33	31.34	1.018	2301454.31	103.9390	103.9390		0.0976	1.571	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	10.020	32.89	32.90	1.014	2413101.63	109.3534	109.3534		0.0979	1.498	1.550	NO	
16	Total F2 PeCDFs	339.8597	10.020		34.47	1.016		215.8206	~~215.8206~~		0.0978				
17	Total F1 PeCDFs	339.8597	10.020		36.56	1.016		0.7871	~~0.7822~~		0.0361				
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	10.020	33.71	33.72	0.668	2866565.25	152.6370	152.6370	76.5	0.1089	1.597	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	10.020	33.74	33.73	0.996	1535397.31	107.3702	107.3702		0.0874	1.601	1.550	NO	
21	Total PeCDDs	355.8546	10.020		31.10	0.996		107.3702	~~107.3702~~		0.0874				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	10.020	41.60	41.63	1.000	2180379.94	99.8004	99.8004	100.0	0.1602	1.188	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	10.020	40.10	40.13	0.888	2713430.19	139.8361	139.8361	70.1	0.2095	0.518	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	10.020	40.12	40.12	1.242	1858279.56	110.1004	110.1004		0.1348	1.250	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	10.020	40.27	40.28	1.427	2239887.75	115.4789	115.4789		0.1173	1.257	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	10.020	41.02	41.01	1.288	1902213.81	108.6644	108.6644		0.1299	1.199	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	10.020	41.79	41.77	1.216	1705655.13	103.1559	103.1559		0.1376	1.232	1.240	NO	
30	Total HxCDFs	373.8208	10.020		0.00	1.293		437.3996	~~437.3996~~		0.1294				
31															
32	13C-1,2,3,6,7,8-HxCDD	401.8559	10.020	41.28	41.30	0.811	2586982.00	145.9558	145.9558	73.1	0.1975	1.216	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	10.020	41.20	41.19	0.883	1168159.00	102.1055	102.1055		0.0486	1.258	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	10.020	41.30	41.29	1.084	1593608.13	113.3771	113.3771		0.0396	1.281	1.240	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	10.020	41.62	41.61	1.184	1468537.63	95.6963	95.6963		0.0363	1.316	1.240	NO	

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:48:50 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
36	Total HxCDDs	389.8157	10.020		0.00	1.050			311.1789	~~311.1789~~		0.0409				
37																
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	10.020	43.25	43.26	0.801		2112829.31	120.7197	120.7197	60.5	0.3215	0.433	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	10.020	43.26	43.26	1.381		1696780.13	116.0495	116.0495		0.3031	1.046	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	10.020	44.45	44.44	1.110		1401150.13	119.3024	119.3024		0.3773	1.121	1.040	NO	
41	Total HpCDFs	407.7818	10.020		0.00	1.245			239.9021	~~239.4504~~		0.3361				
42																
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	10.020	44.11	44.12	0.682		1943437.75	130.4172	130.4172	65.3	0.2426	1.084	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	10.020	44.12	44.12	1.031		1043218.28	103.9541	103.9541		0.1021	1.098	1.040	NO	
45	Total HpCDDs	423.7766	10.020		-0.03	1.031			103.9541	~~103.9541~~		0.1021				
46																
47	13C-OCDD	469.7779	10.020	46.71	46.72	0.497		2187942.94	201.4679	201.4679	50.5	0.3827	0.891	0.890	NO	
48	OCDF	441.7428	10.020	46.81	46.81	1.426		1933822.25	247.4621	247.4621		0.2620	0.969	0.890	NO	
49	OCDD	457.7377	10.020	46.72	46.72	1.155		1323828.25	209.0393	209.0393		0.3324	0.934	0.890	NO	
50																
51																
52	Function 1 PFK	330.97920	1.000		28.66											
53	Function 2 PFK	342.97920	1.000		36.91											
54	Function 3 PFK	380.97600	1.000		41.66											
55	Function 4 PFK	430.97290	1.000	43.34	43.29			5315.73								
56	Function 5 PFK	442.97280	1.000	48.86	48.80			3023.17								
57	TCDF PCDPE	375.8364	1.000	25.00	24.99			9.74								
58	F1 PeCDF PCDPE	409.79740	1.000		21.98											
59	F2 PeCDF PCDPE	409.7974	1.000		33.61											
60	HXCDF PCDPE	445.7555	1.000	38.56	38.56			38.68								
61	HPCDF PCDPE	479.7165	1.000		44.00											
62	OCDF PCDPE	513.67750	1.000		47.82											

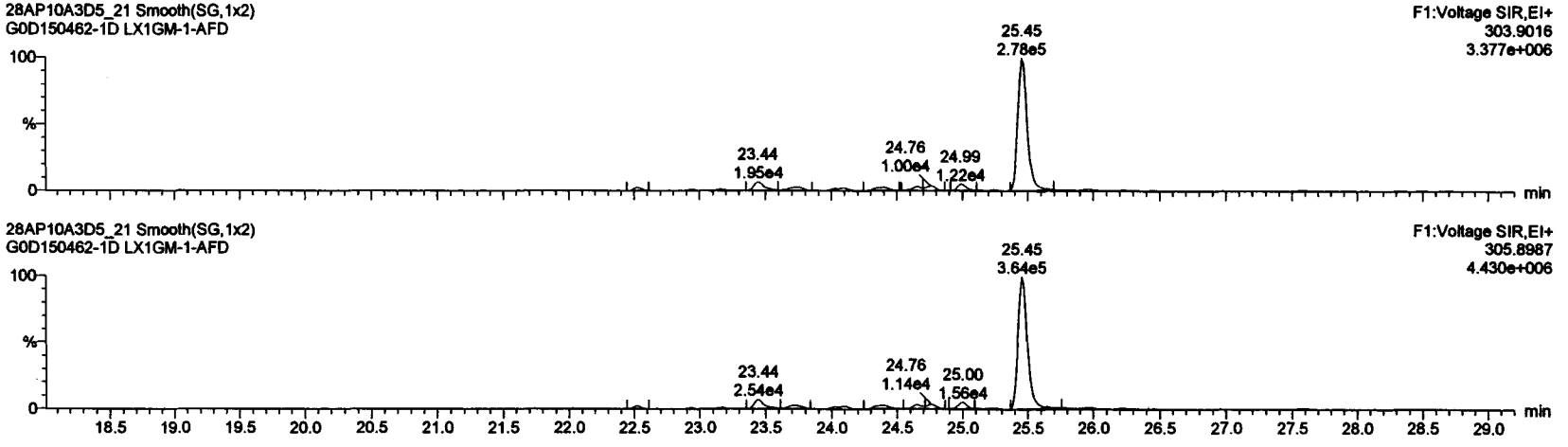
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

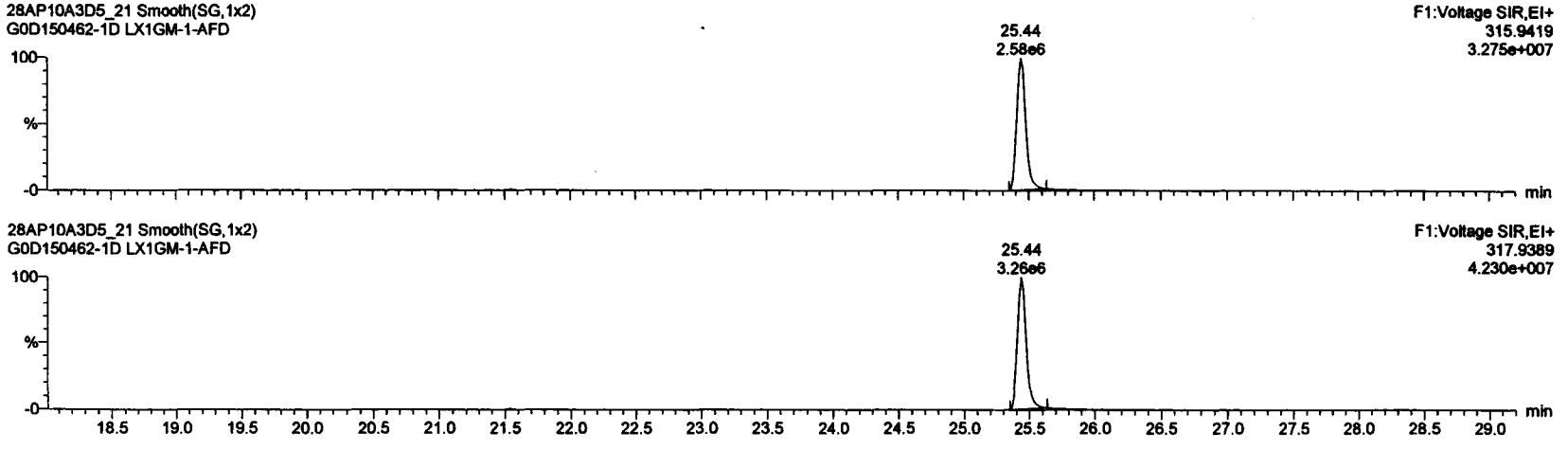
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

TCDFs



13C-TCDF



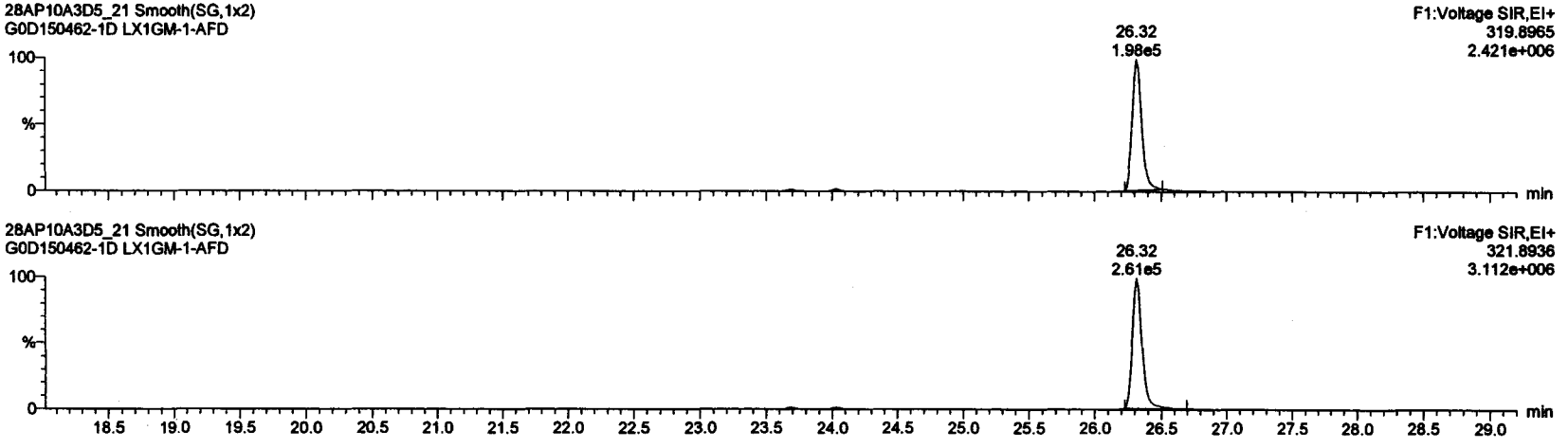
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

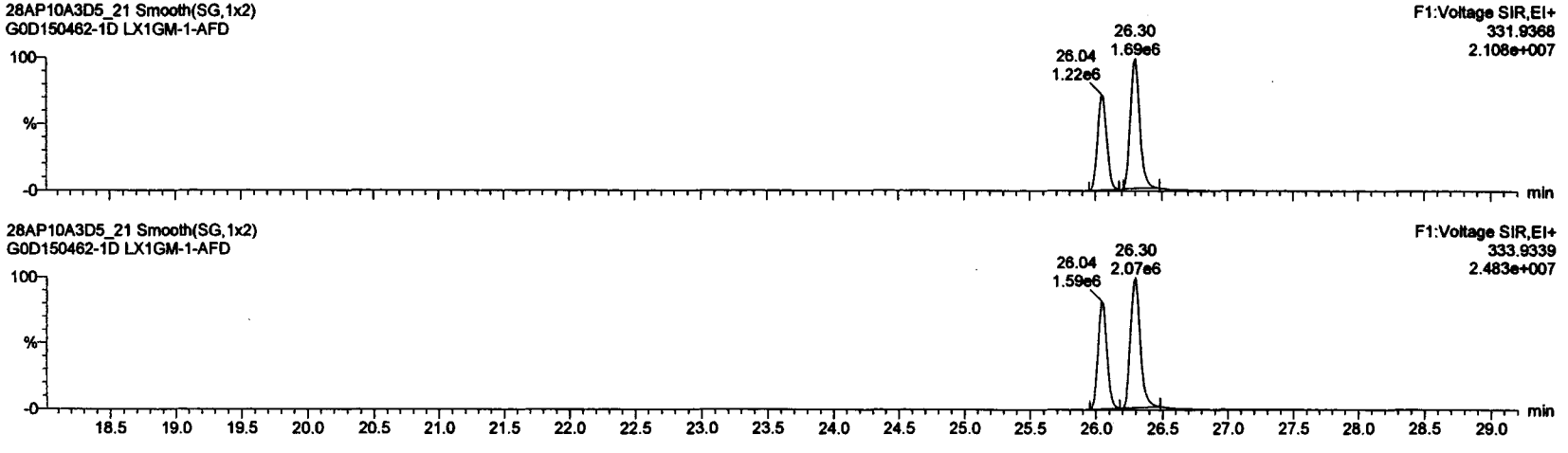
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

TCDDs



13C-TCDDs



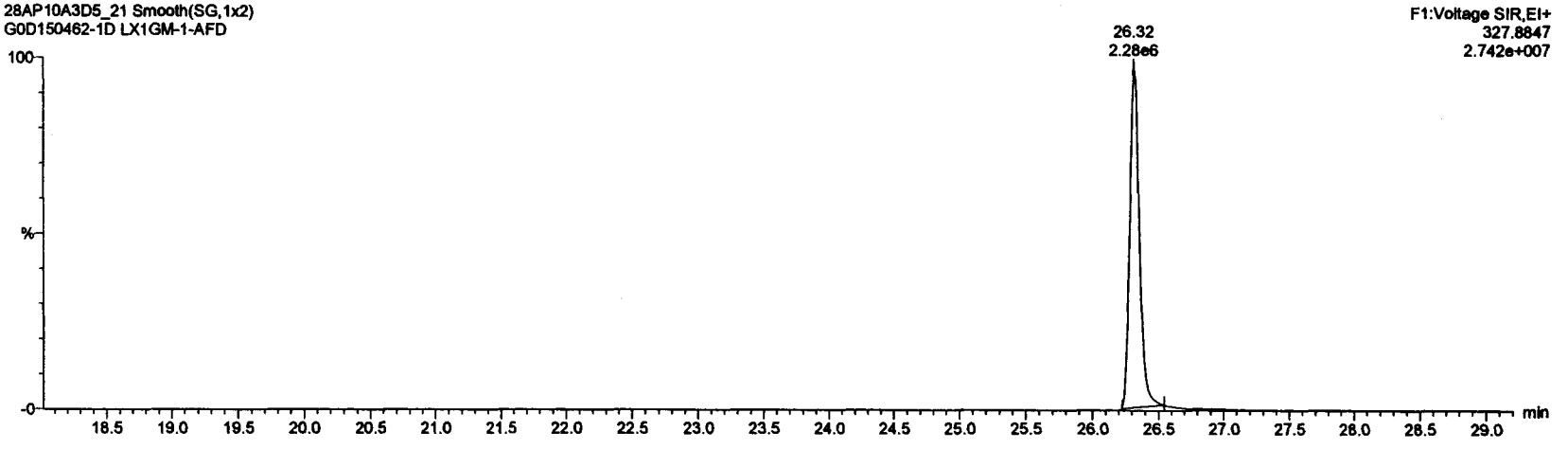
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

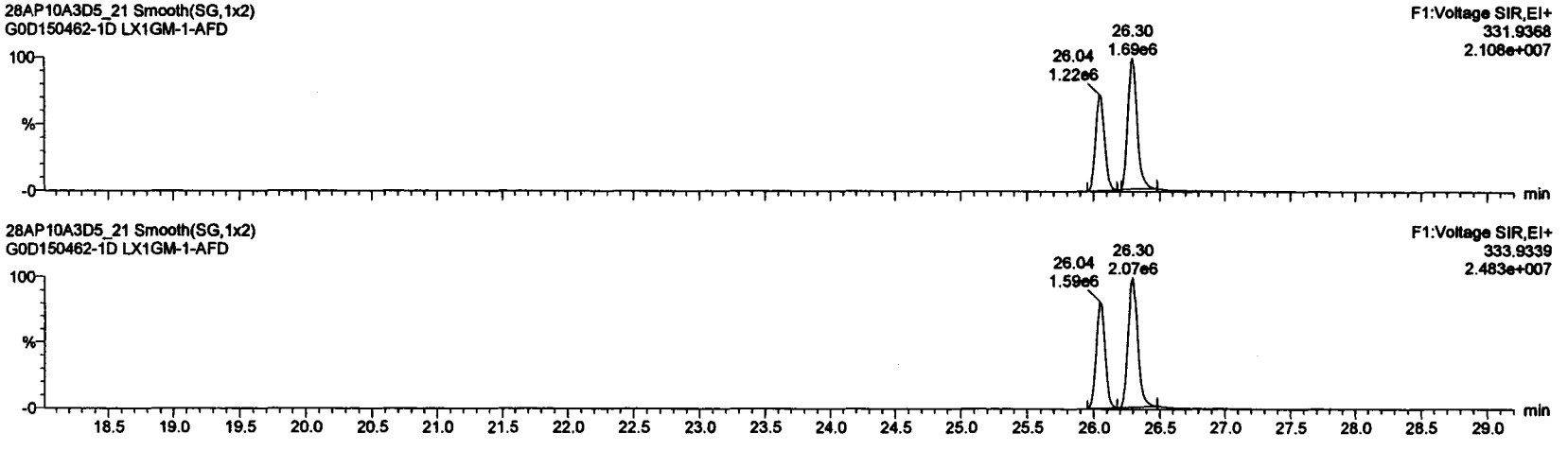
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

37CL-2,3,7,8-TCDD



13C-TCDDs



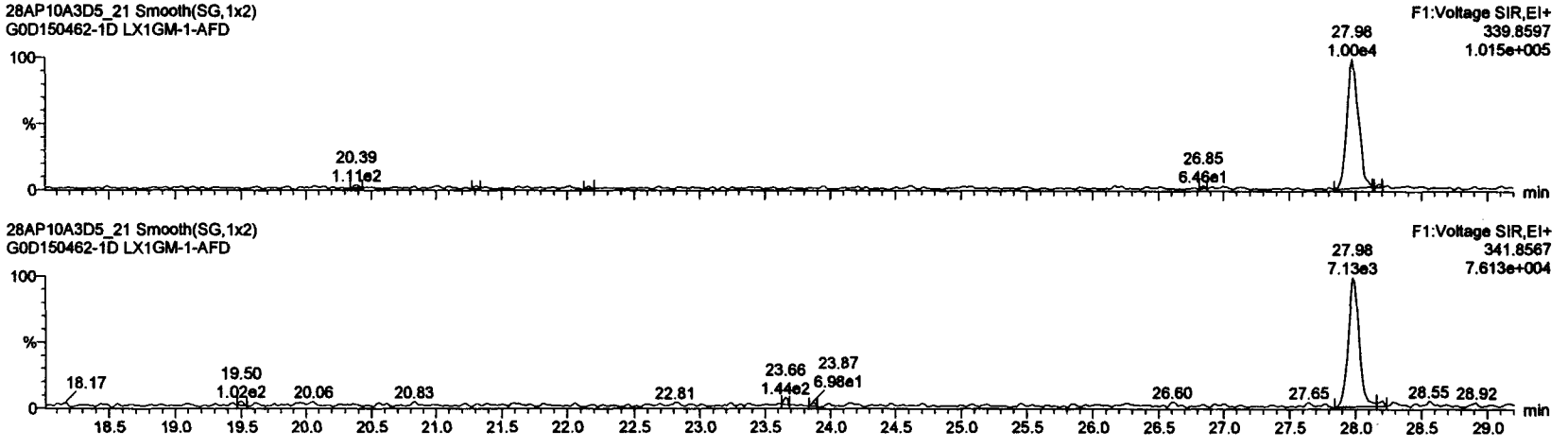
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

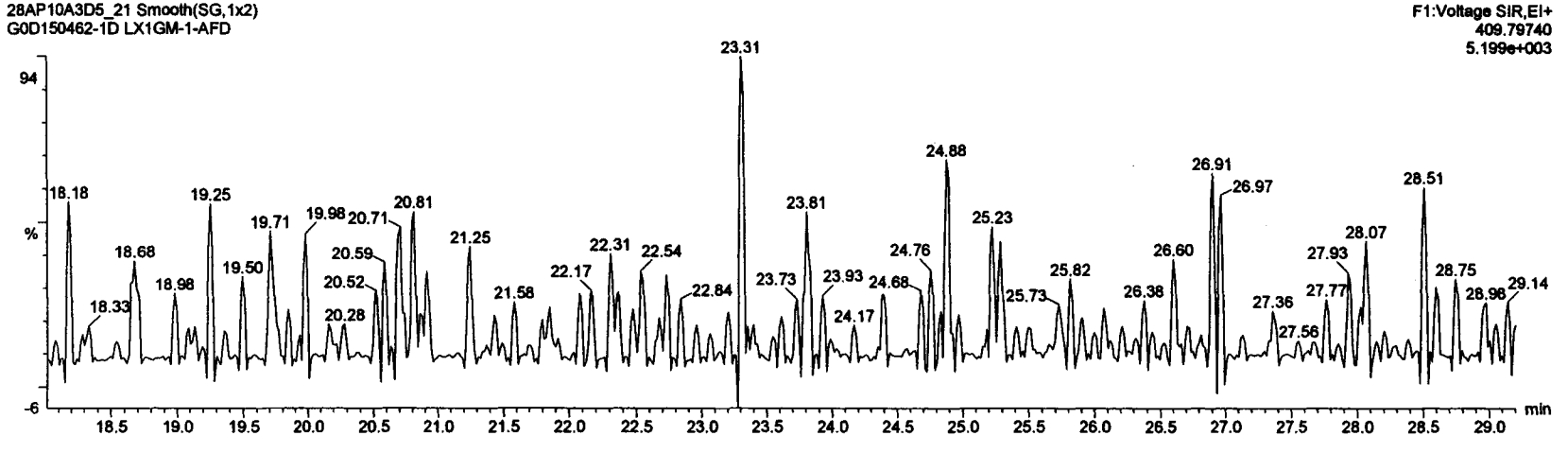
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

F1 PeCDFs



F1 PeCDF PCDPE



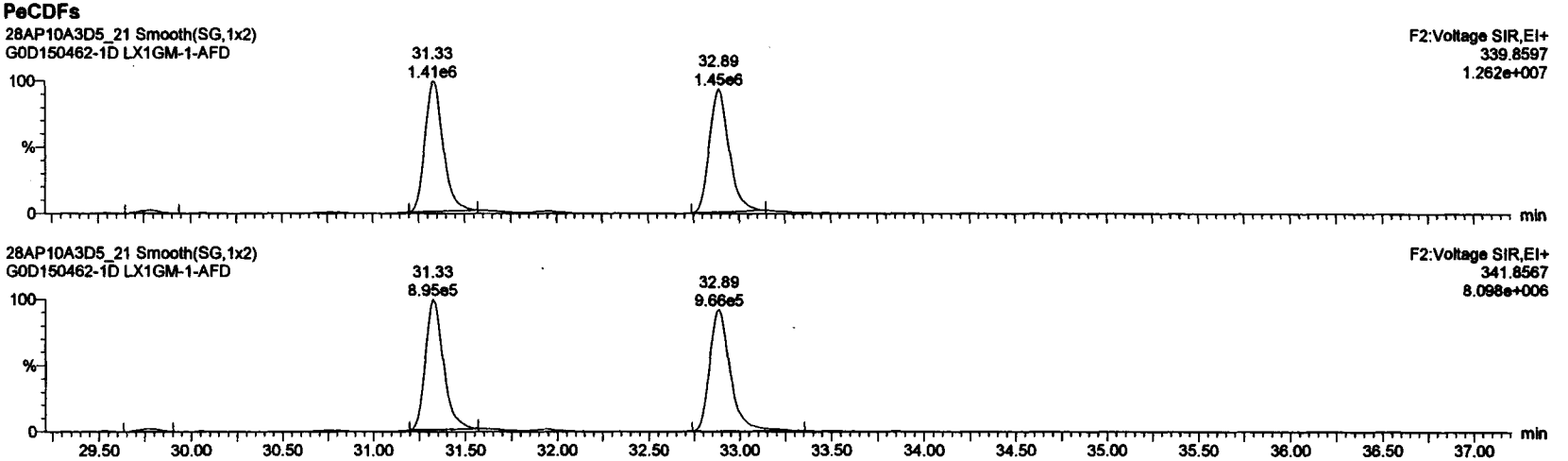
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

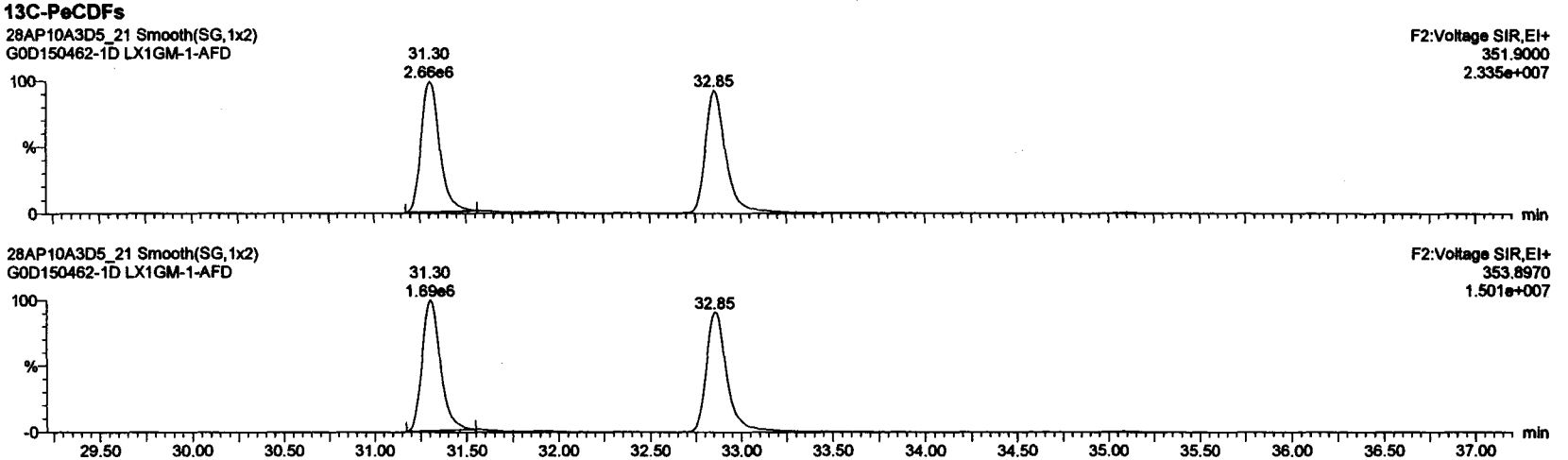
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

PeCDFs



13C-PeCDFs



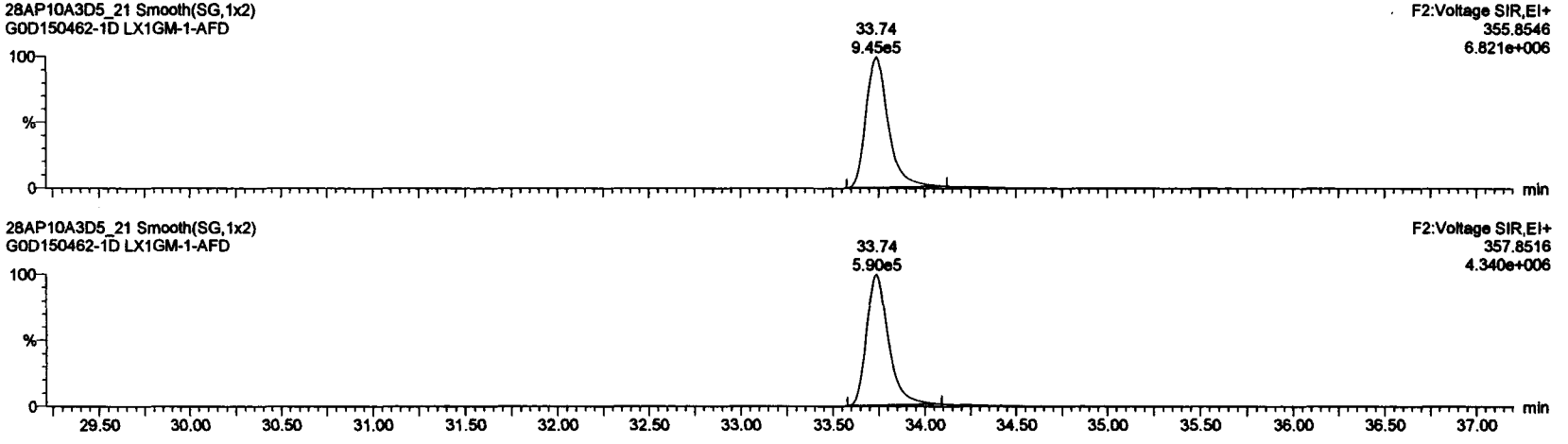
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

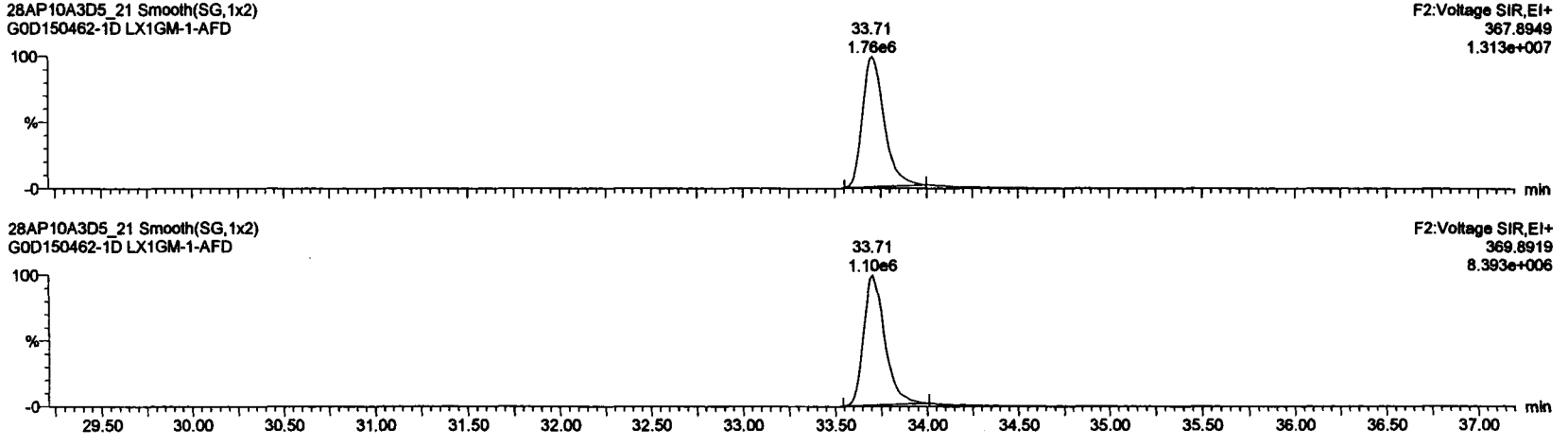
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

PeCDDs



13C-PeCDD



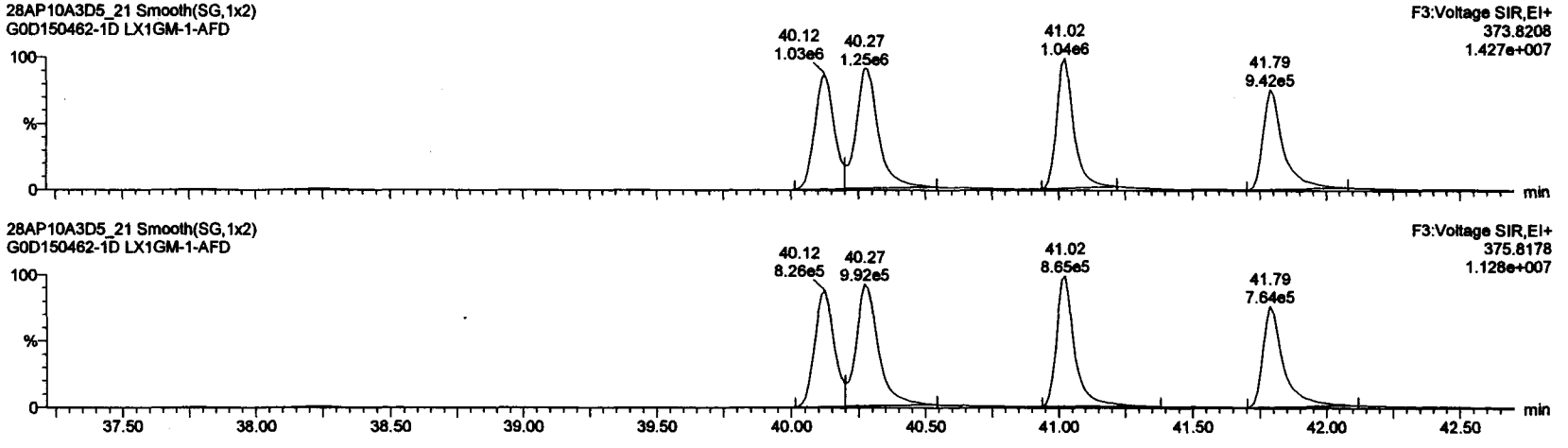
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

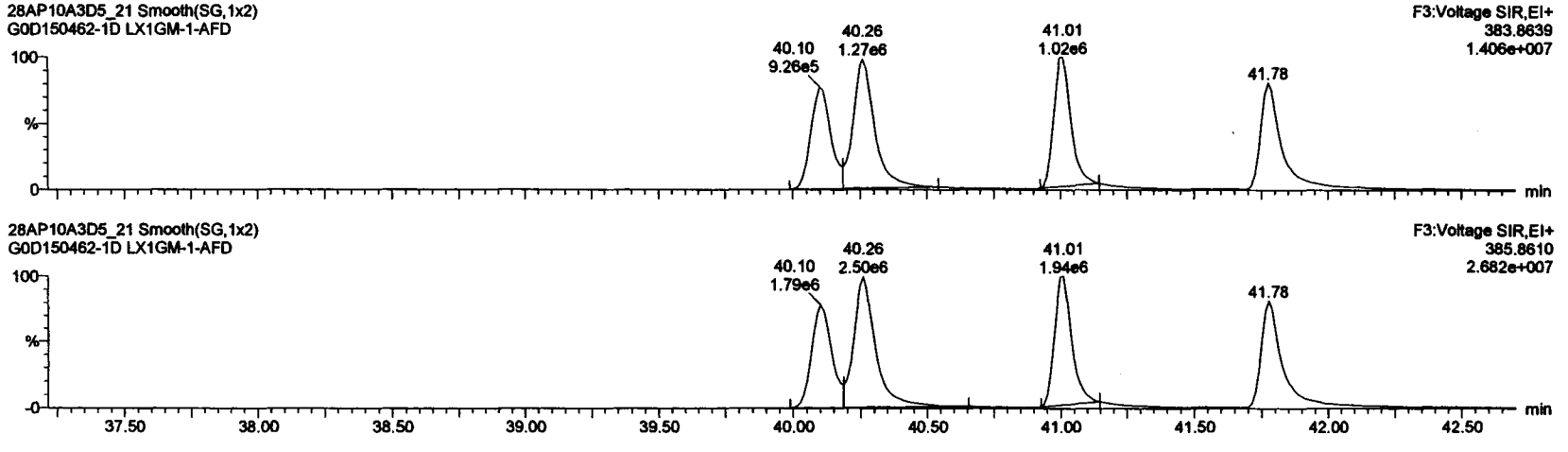
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

HxCDFs



13C-HxCDFs



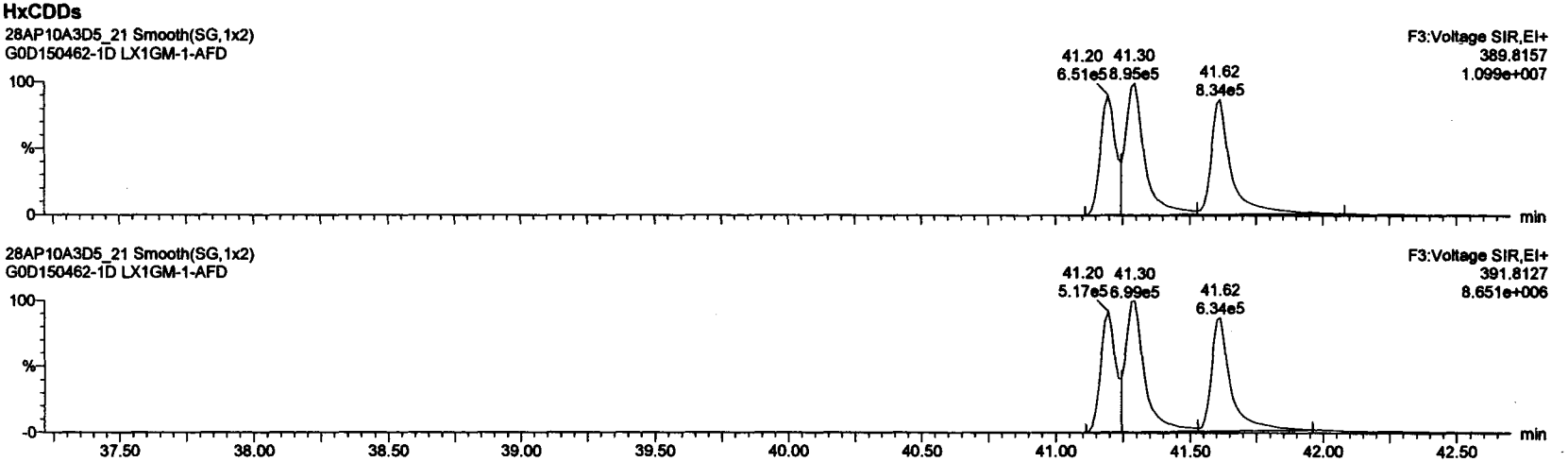
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

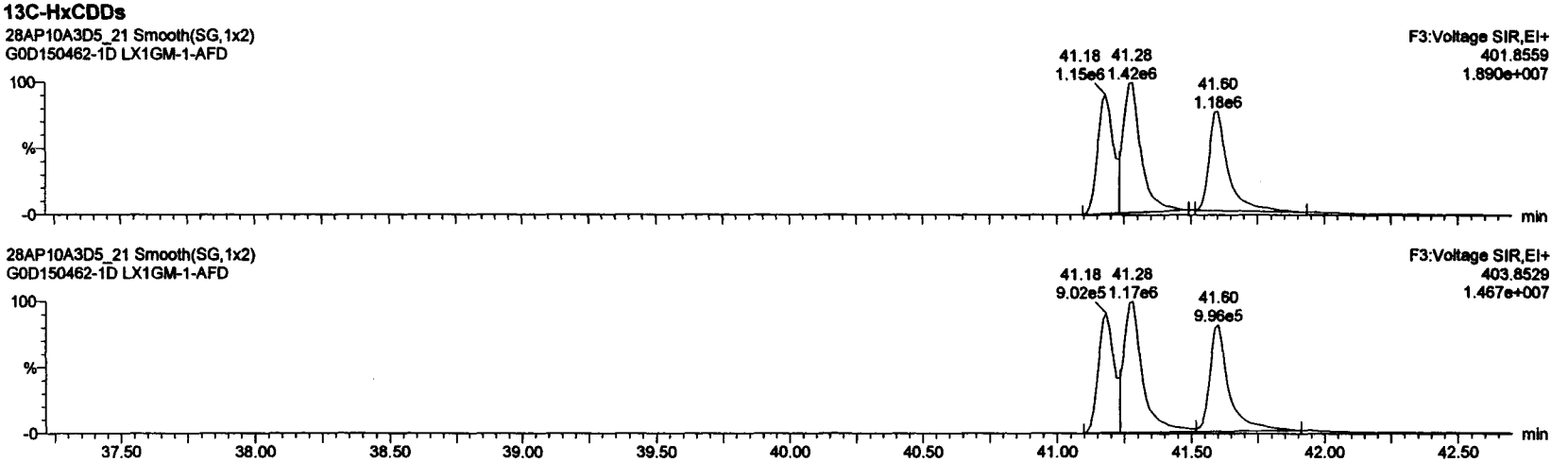
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

HxCDDs



13C-HxCDDs



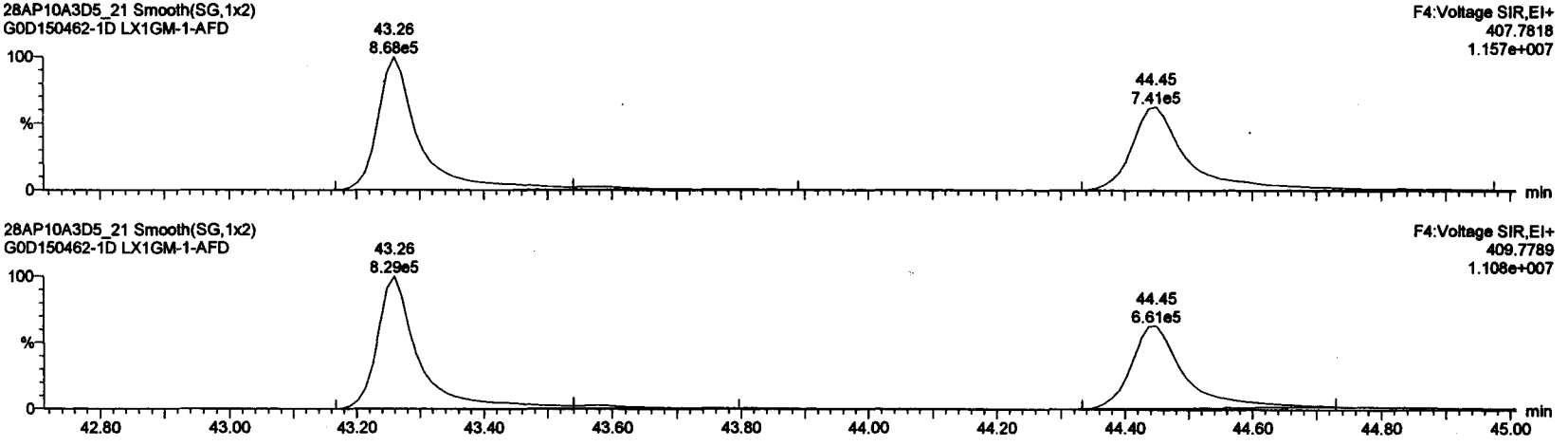
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

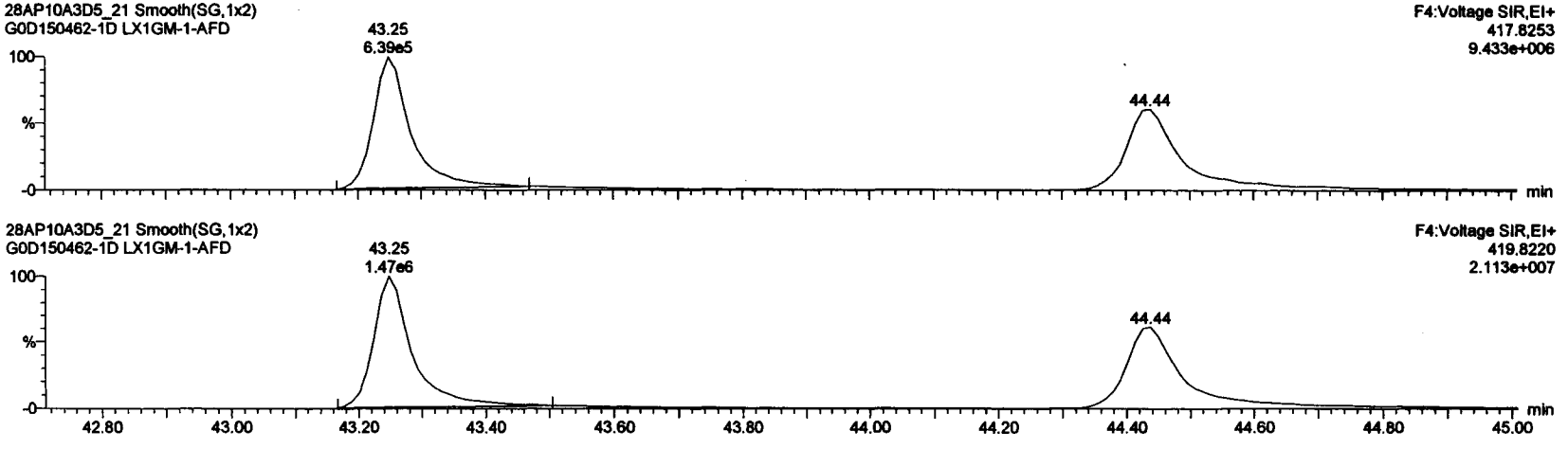
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

HpCDFs



13C-HpCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

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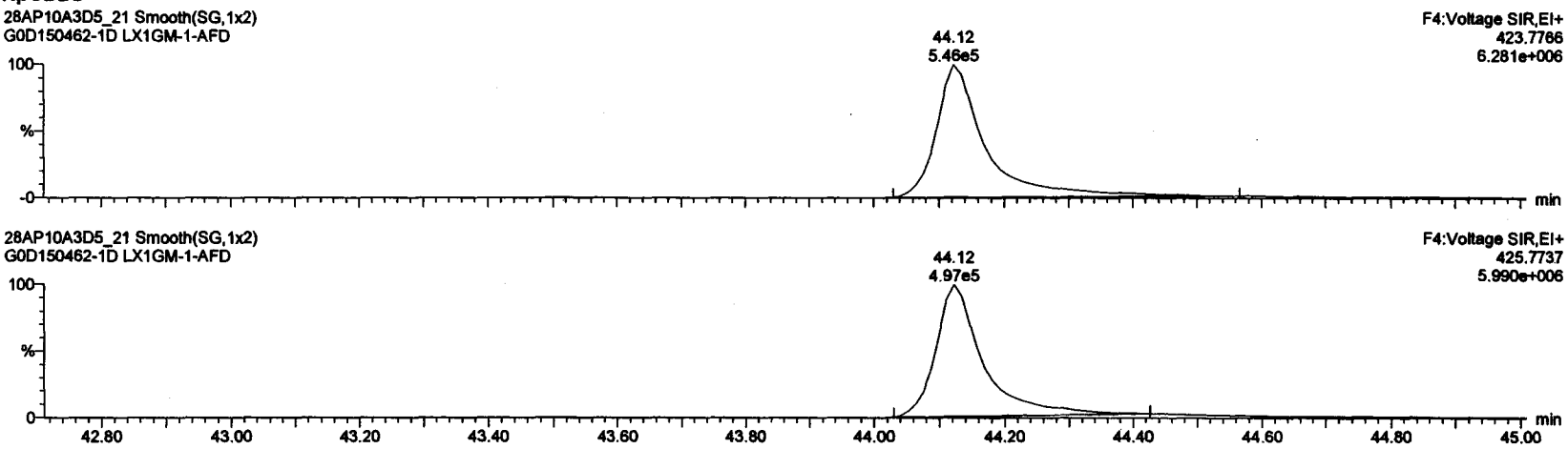
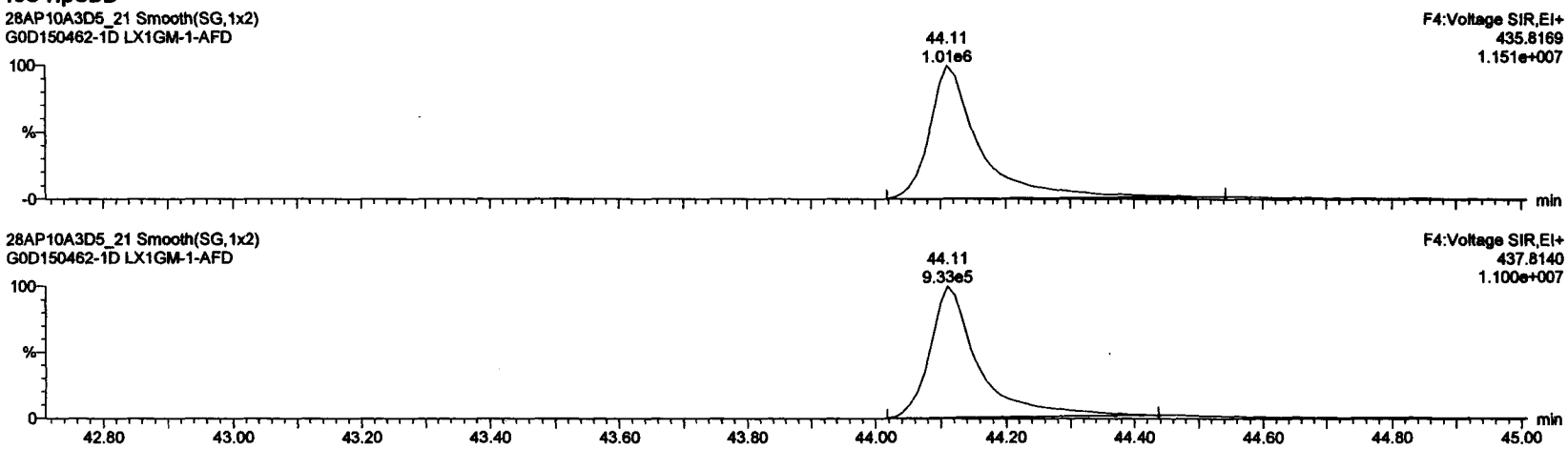
HpCDDs



13C-HpCDD



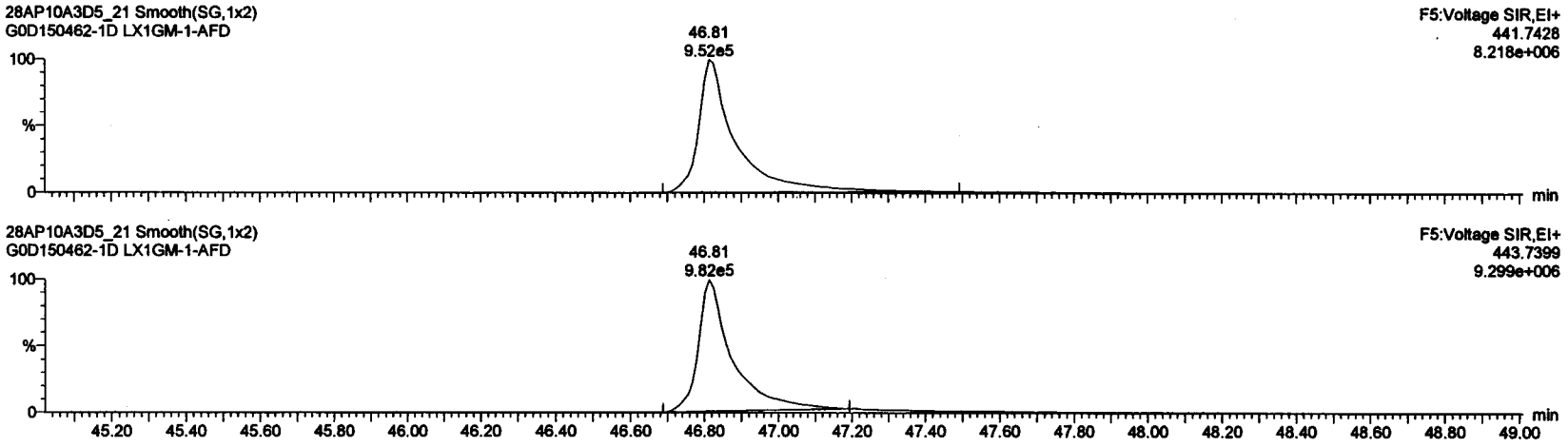
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

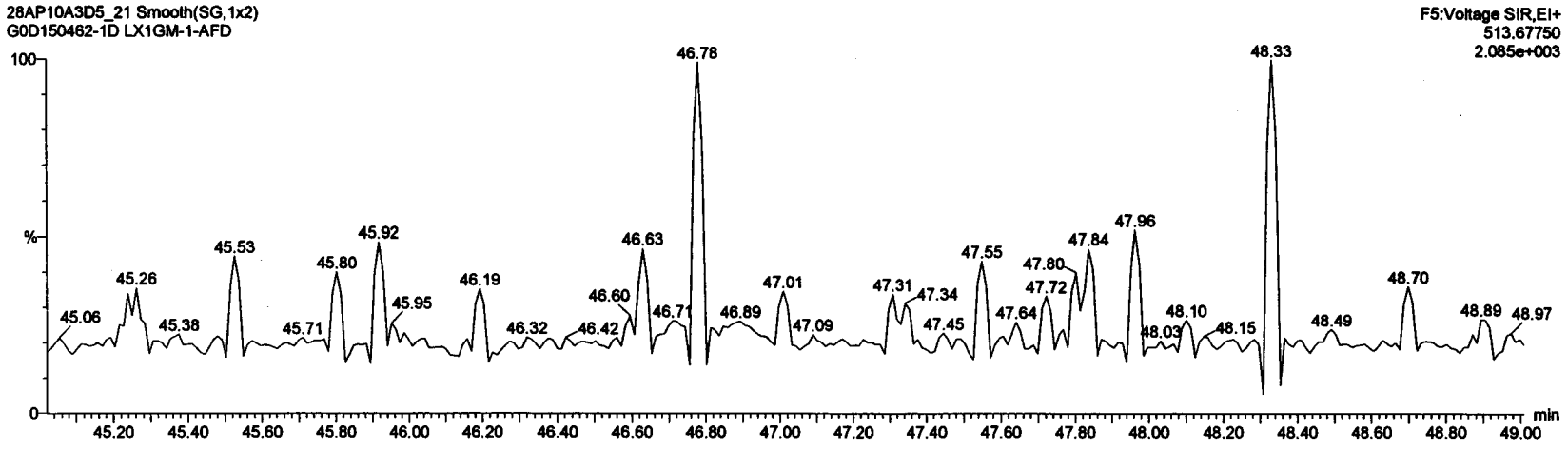
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

OCDFs



OCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

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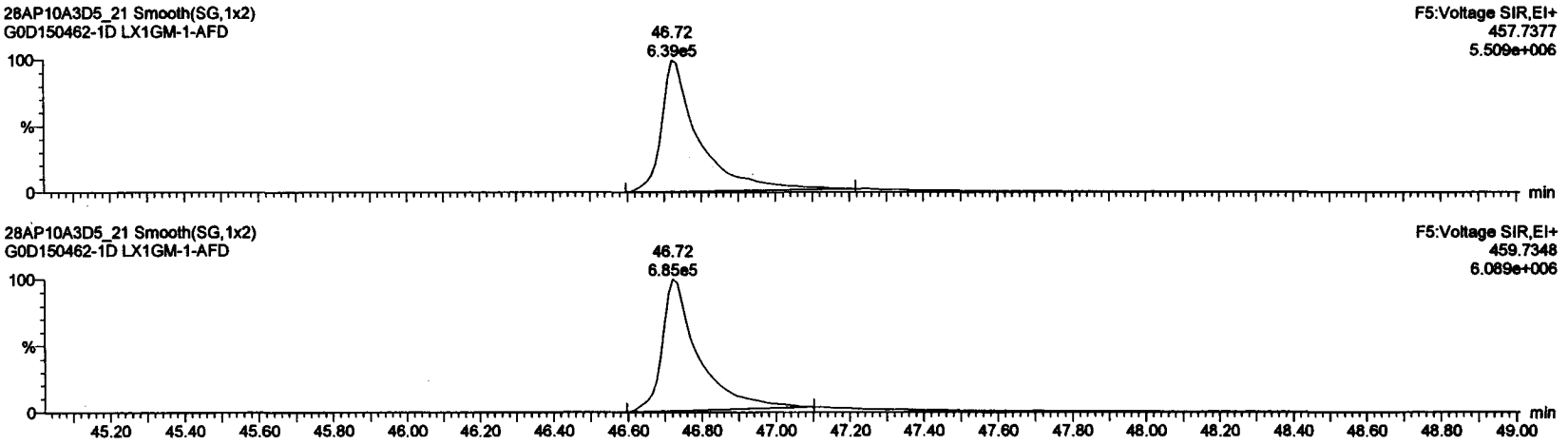
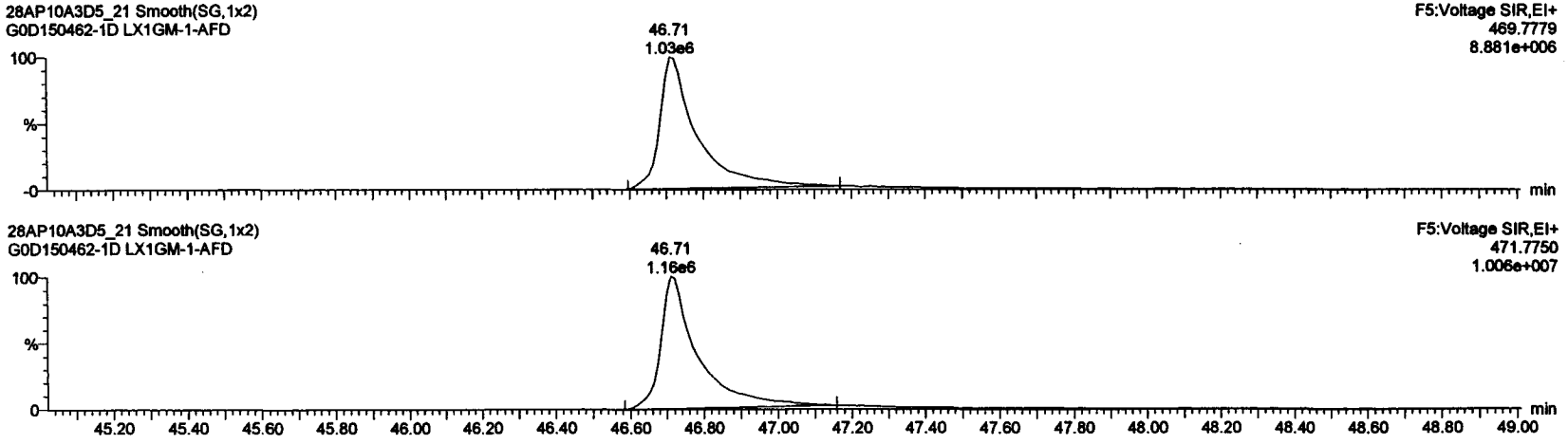
OCDD



13C-OCDD



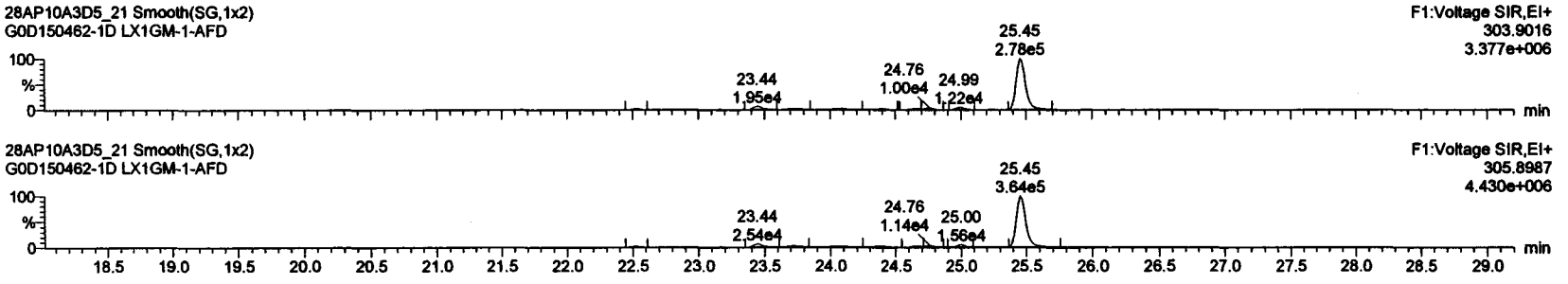
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

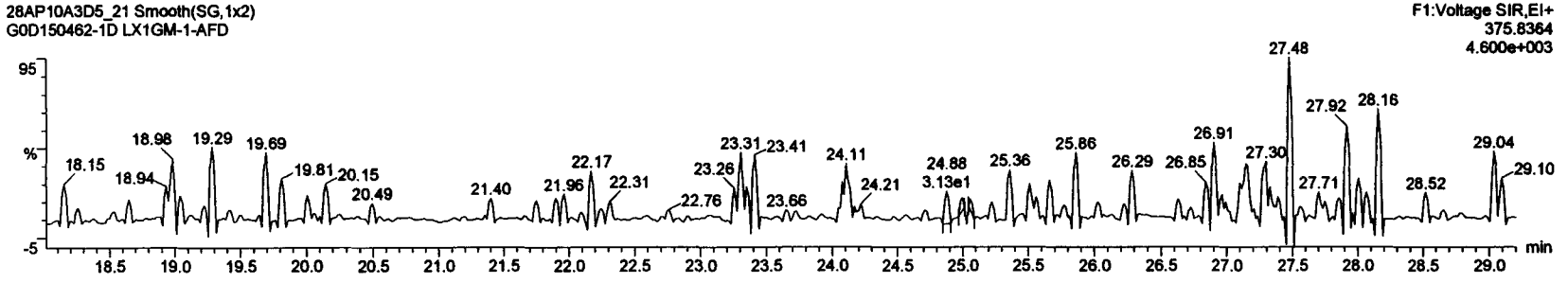
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

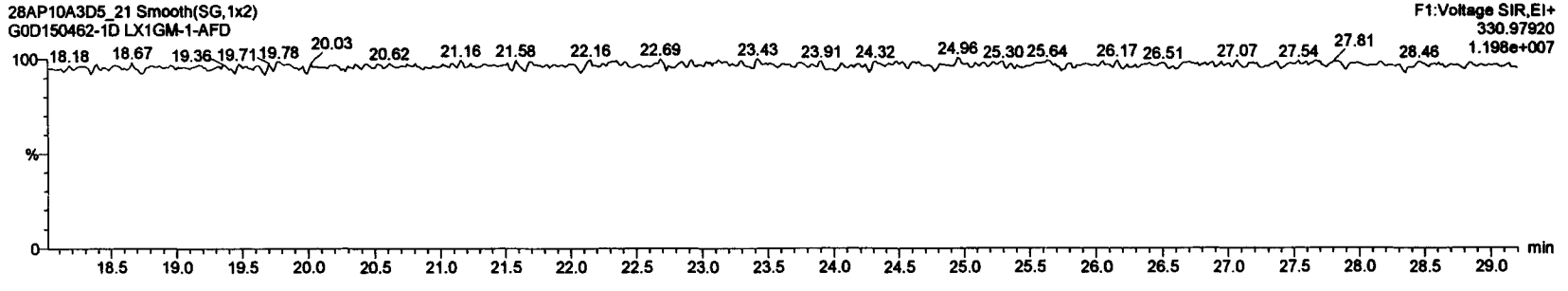
TCDFs



TCDF PCDPE



Function 1 PFK



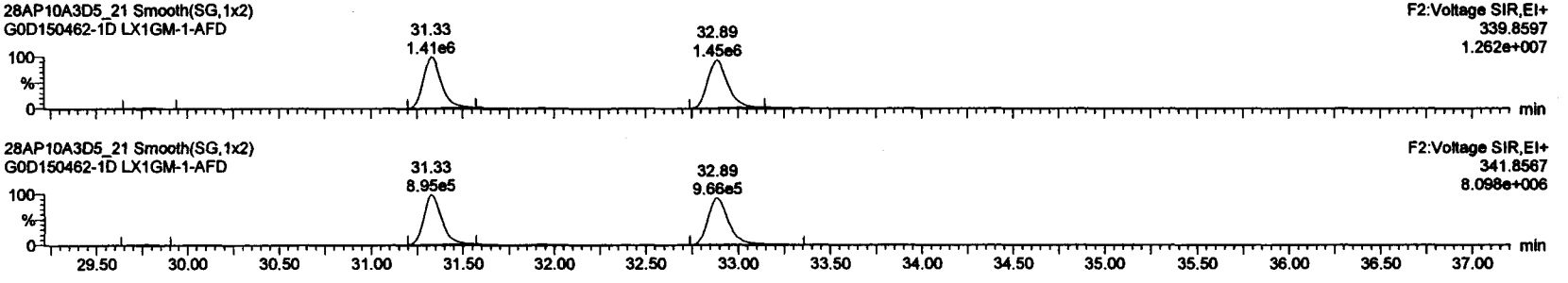
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

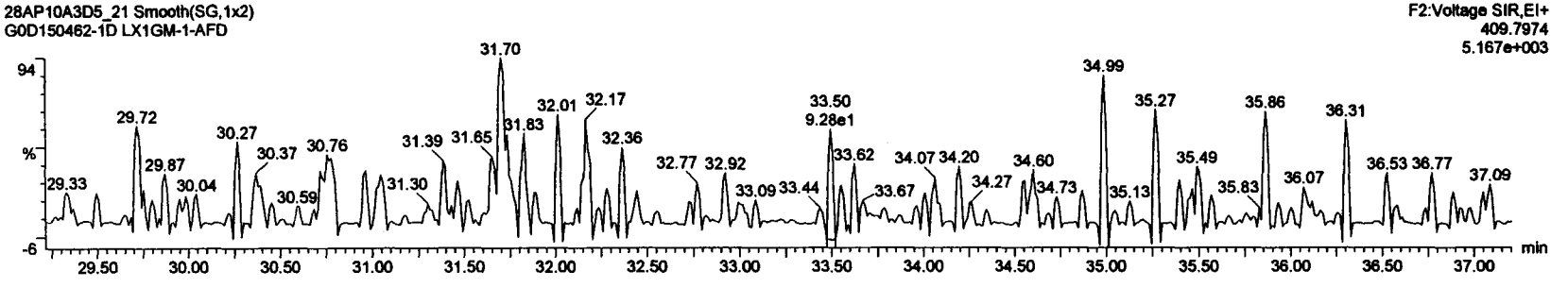
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

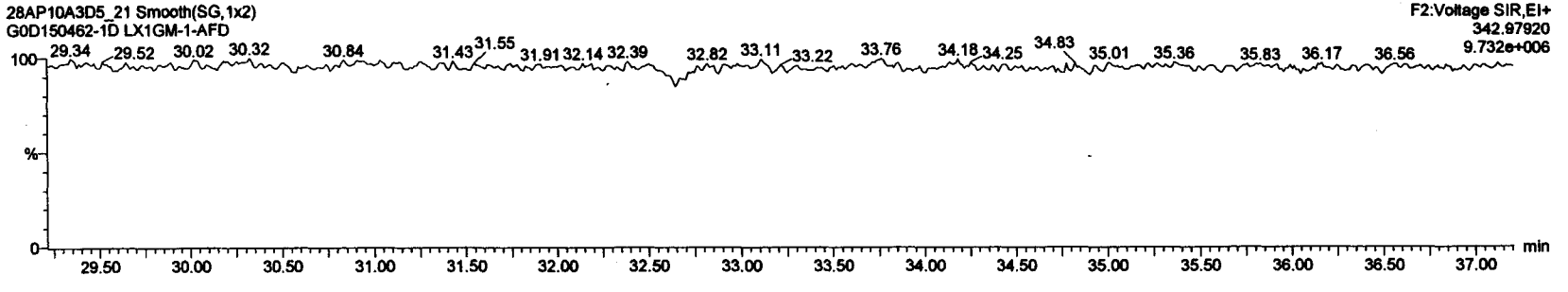
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



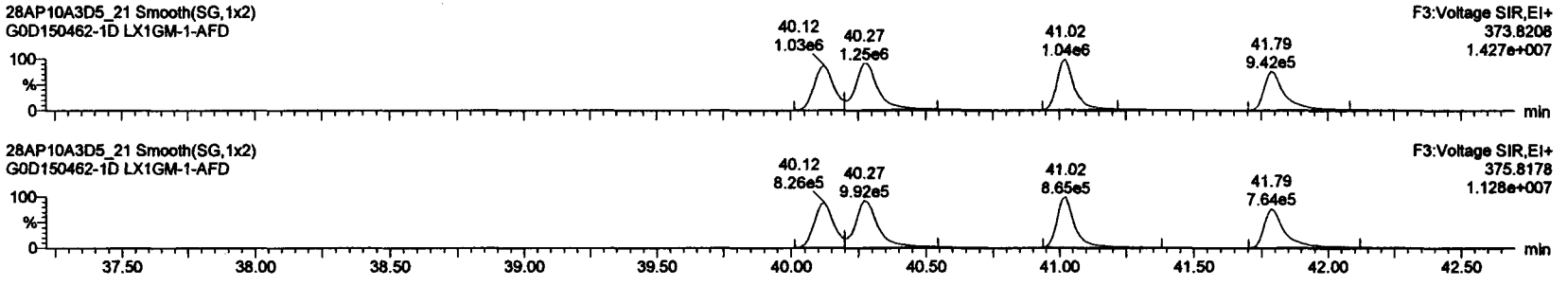
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

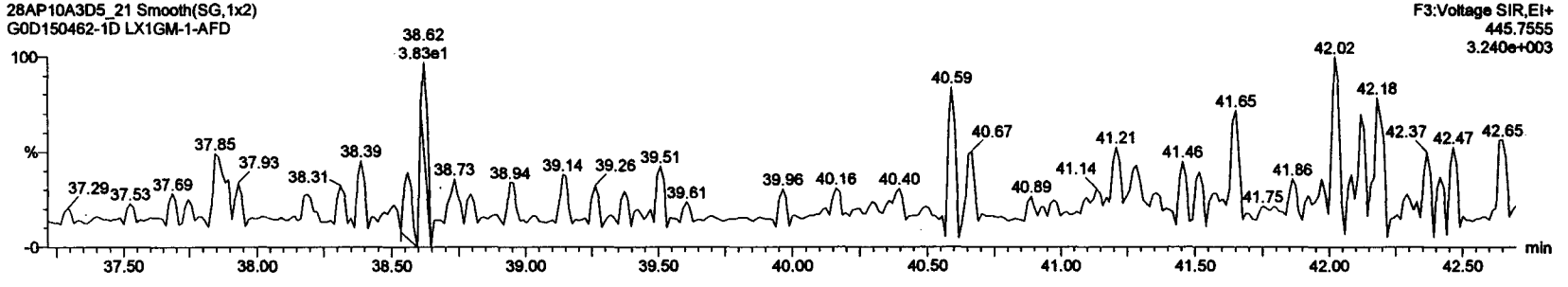
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

HxCDFs



HxCDF PCDPE



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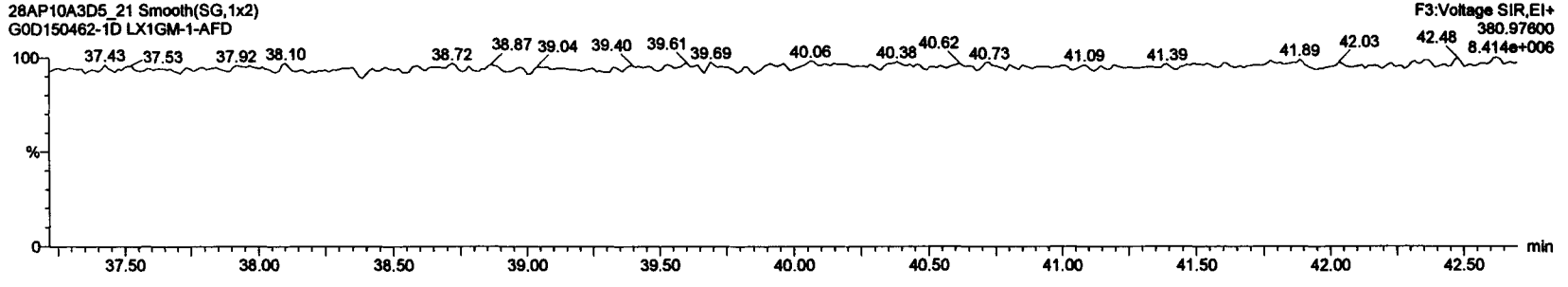


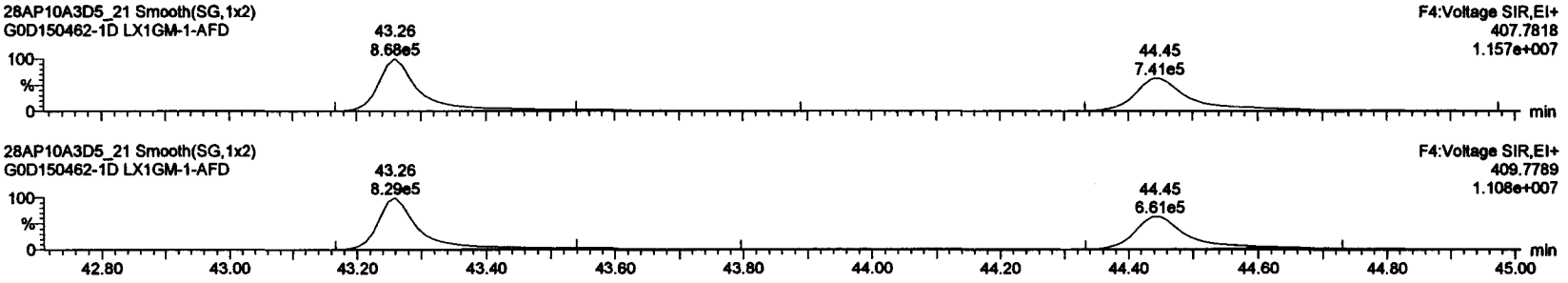
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

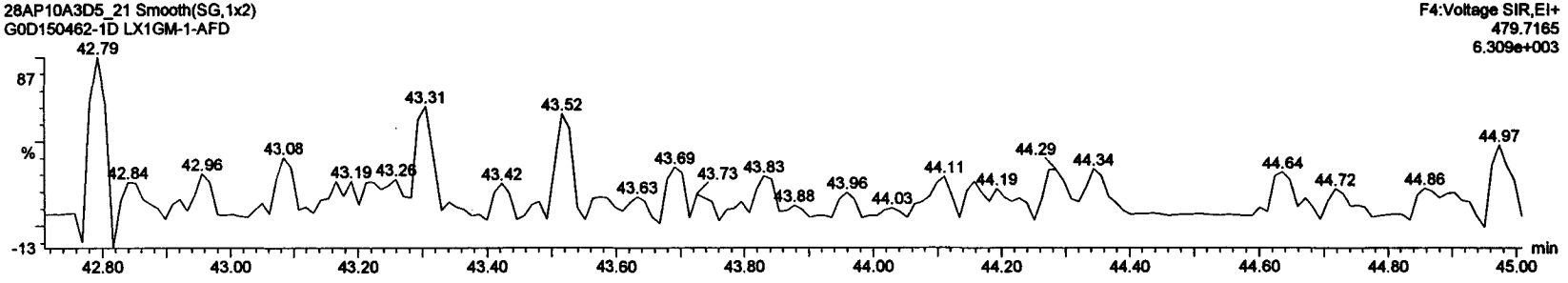
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

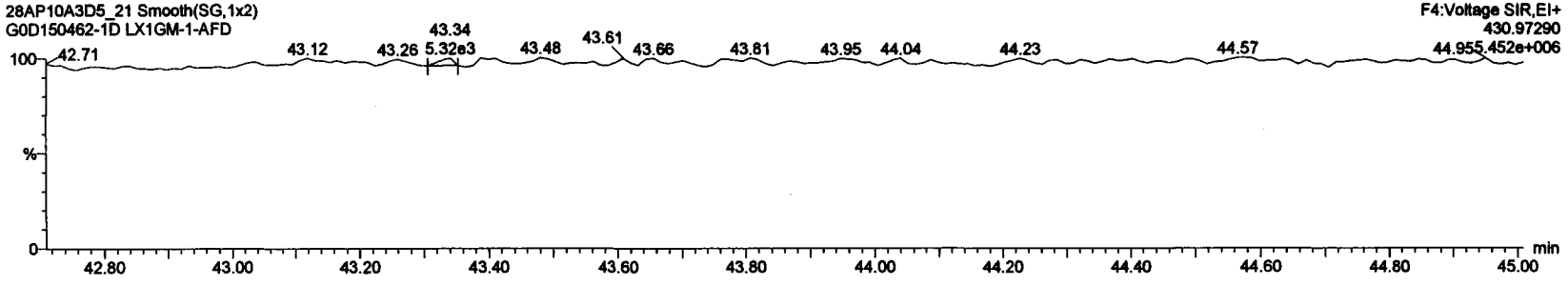
HpCDFs



HpCDF PCDPE



Function 4 PFK



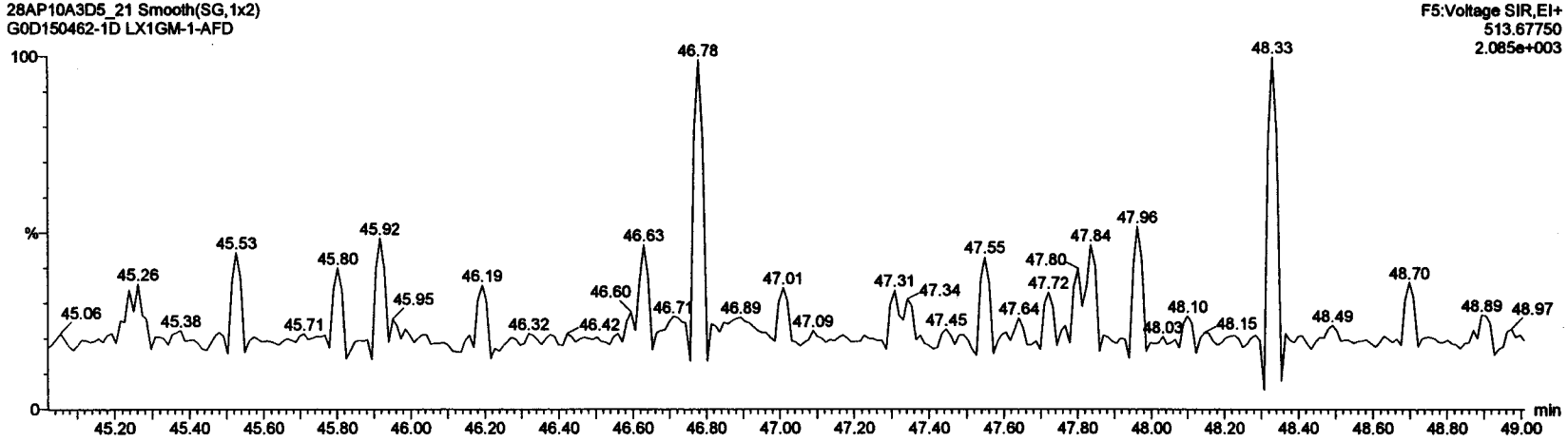
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

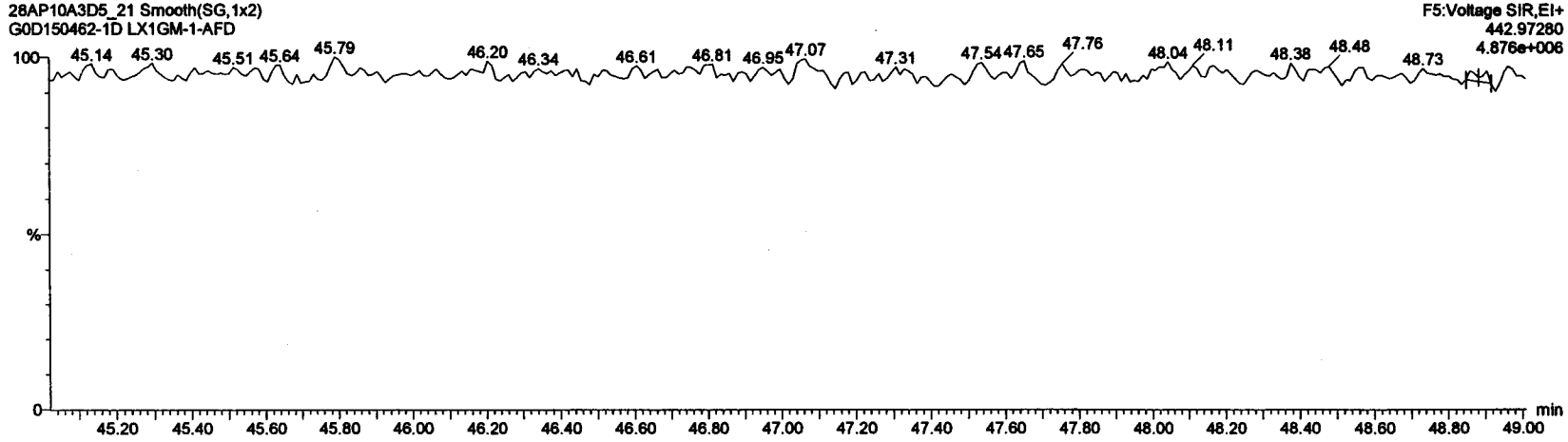
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_21, Date: 29-Apr-2010, Time: 18:04:51, ID: LX1GM-1-AFD, Description: G0D150462-1D

OCDF PCDPE



Function 5 PFK



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

(6)

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290 **Associated ICAL** 8290A 041210 465

Column ID DB 5 **Instrument ID** 465

STD ID ST0427, ST0427A **STD Solution** 10DXNOR3

Analyzed by AM, MG **Date Analyzed** 4/27/10, 4/28/10

Std. Pkg. By MG **Date Std. Pkg. Assembled** 4/28/10

Std. Pkg. Reviewed By M.G. **Date Std. Pkg. Reviewed** 4/28/10

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: ST0427 File text: ST0427 :CS3 10DXN083
Run #6 Filename 27AP104D5 S: 1 I: 1
Acquired: 27-APR-10 11:48:26 Processed: 28-APR-10 10:29:02
Run: 27AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 27AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	190652600	0.81 y	19:31	-	100.00	-	n
13C-2,3,7,8-TCDF	294749000	0.79 y	18:56	1.55	100.00	1.7	n
2,3,7,8-TCDF	28718700	0.81 y	18:57	0.97	10.00	3.1	n
Total TCDF	30382366	0.90 n	17:05	0.97	10.00	3.1	n
13C-2,3,7,8-TCDD	194388400	0.79 y	19:43	1.02	100.00	7.4	n
2,3,7,8-TCDD	18367080	0.79 y	19:44	0.94	10.00	-7.5	n
Total TCDD	19221825	3.57 n	16:38	0.94	10.00	-7.5	n
37Cl-2,3,7,8-TCDD	43517200	1.00 y	19:44	2.28	10.00	0.9	n
13C-1,2,3,7,8-PeCDF	202506800	1.57 y	24:35	1.06	100.00	1.1	n
1,2,3,7,8-PeCDF	101052900	1.56 y	24:37	1.00	50.00	-4.5	n
2,3,4,7,8-PeCDF	98041900	1.53 y	26:06	0.97	50.00	-1.4	n
Total F2 PeCDF	202163143	1.73 y	23:04	0.98	100.00	-3.0	n
Total F1 PeCDF	7733	0.16 n	16:41	0.98	100.00	-3.0	n
13C-1,2,3,7,8-PeCDD	143629700	1.57 y	26:54	0.75	100.00	12.4	n
1,2,3,7,8-PeCDD	66980400	1.57 y	26:56	0.93	50.00	-5.0	n
Total PeCDD	66980400	1.57 y	26:56	0.93	50.00	-5.0	n
13C-1,2,3,7,8,9-HxCDD	146899500	1.29 y	33:06	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	135696100	0.52 y	31:56	0.92	100.00	-9.9	n
1,2,3,4,7,8-HxCDF	84401400	1.22 y	31:57	1.24	50.00	2.6	n
1,2,3,6,7,8-HxCDF	98567200	1.21 y	32:04	1.45	50.00	8.2	n
2,3,4,6,7,8-HxCDF	89033600	1.20 y	32:38	1.31	50.00	7.4	n
1,2,3,7,8,9-HxCDF	81326700	1.24 y	33:17	1.20	50.00	9.7	n
Total HxCDF	353488563	1.79 n	30:47	1.30	200.00	6.9	n
13C-1,2,3,6,7,8-HxCDD	126770600	1.27 y	32:50	0.86	100.00	6.9	n
1,2,3,4,7,8-HxCDD	62241500	1.25 y	32:46	0.98	50.00	-2.5	n
1,2,3,6,7,8-HxCDD	69760000	1.27 y	32:51	1.10	50.00	-1.2	n
1,2,3,7,8,9-HxCDD	74090100	1.26 y	33:07	1.17	50.00	-3.3	n
Total HxCDD	206091600	1.25 y	32:46	1.08	150.00	-2.4	n
13C-1,2,3,4,6,7,8-HpCDF	122842100	0.44 y	34:36	0.84	100.00	-3.1	n
1,2,3,4,6,7,8-HpCDF	78849700	0.95 y	34:37	1.28	50.00	-2.0	n
1,2,3,4,7,8,9-HpCDF	65030700	0.96 y	35:45	1.06	50.00	3.2	n
Total HpCDF	143880400	0.95 y	34:37	1.17	100.00	0.3	n
13C-1,2,3,4,6,7,8-HpCDD	103515400	1.06 y	35:25	0.70	100.00	1.0	n
1,2,3,4,6,7,8-HpCDD	53875600	1.03 y	35:26	1.04	50.00	-2.9	n
Total HpCDD	54121028	1.16 y	34:52	1.04	50.00	-2.9	n
13C-OCDD	154100300	0.90 y	37:55	0.52	200.00	-1.3	n
OCDF	109103700	0.91 y	38:02	1.42	100.00	-2.0	n
OCDD	87967500	0.89 y	37:55	1.14	100.00	-2.1	n

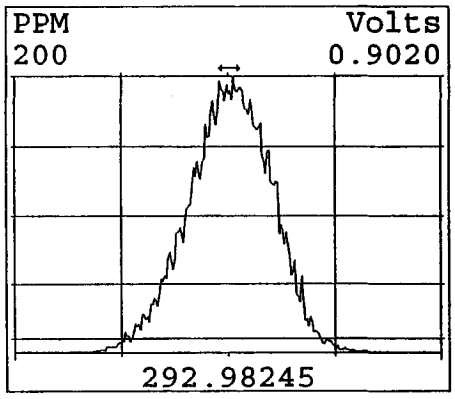
Run text: ST0427A File text: ST0427A :CS3 10DXN083
Run #21 Filename 27AP104D5 S: 19 I: 1
Acquired: 28-APR-10 01:05:59 Processed: 28-APR-10 10:34:09
Run: 27AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 27AP104D58290A

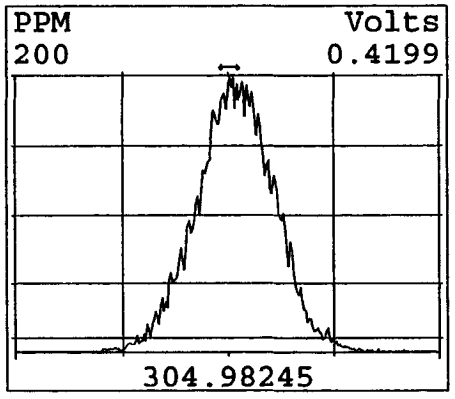
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	154589100	0.80 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	228992000	0.78 y	18:55	1.48	100.00	-2.6	n
2,3,7,8-TCDF	22173690	0.80 y	18:56	0.97	10.00	2.4	n
Total TCDF	22699616	0.85 y	17:04	0.97	10.00	2.4	n
13C-2,3,7,8-TCDD	153529700	0.80 y	19:42	0.99	100.00	4.6	n
2,3,7,8-TCDD	14370180	0.77 y	19:43	0.94	10.00	-8.3	n
Total TCDD	14462890	2.21 n	16:38	0.94	10.00	-8.3	n
37Cl-2,3,7,8-TCDD	34746200	1.00 y	19:43	2.25	10.00	-0.6	n
13C-1,2,3,7,8-PeCDF	160886500	1.59 y	24:34	1.04	100.00	-0.9	n
1,2,3,7,8-PeCDF	81046200	1.57 y	24:35	1.01	50.00	-3.6	n
2,3,4,7,8-PeCDF	76880200	1.56 y	26:05	0.96	50.00	-2.7	n
Total F2 PeCDF	160542941	1.70 y	23:03	0.98	100.00	-3.1	n
Total F1 PeCDF	39935	0.22 n	16:38	0.98	100.00	-3.1	n
13C-1,2,3,7,8-PeCDD	110987200	1.55 y	26:52	0.72	100.00	7.1	n
1,2,3,7,8-PeCDD	51509900	1.56 y	26:54	0.93	50.00	-5.5	n
Total PeCDD	51856856	1.56 y	26:54	0.93	50.00	-5.5	n
13C-1,2,3,7,8,9-HxCDD	109756700	1.27 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	99427600	0.52 y	31:55	0.91	100.00	-11.6	n
1,2,3,4,7,8-HxCDF	61240900	1.19 y	31:56	1.23	50.00	1.6	n
1,2,3,6,7,8-HxCDF	74801500	1.22 y	32:03	1.50	50.00	12.1	n
2,3,4,6,7,8-HxCDF	68391900	1.22 y	32:37	1.38	50.00	12.6	n
1,2,3,7,8,9-HxCDF	60886900	1.21 y	33:16	1.22	50.00	12.1	n
Total HxCDF	265478528	0.79 n	30:45	1.33	200.00	9.6	n
13C-1,2,3,6,7,8-HxCDD	95804100	1.26 y	32:49	0.87	100.00	8.2	n
1,2,3,4,7,8-HxCDD	47357500	1.25 y	32:45	0.99	50.00	-1.8	n
1,2,3,6,7,8-HxCDD	52297700	1.30 y	32:50	1.09	50.00	-2.0	n
1,2,3,7,8,9-HxCDD	55289100	1.27 y	33:06	1.15	50.00	-4.5	n
Total HxCDD	154944300	1.25 y	32:45	1.08	150.00	-2.9	n
13C-1,2,3,4,6,7,8-HpCDF	88602800	0.43 y	34:35	0.81	100.00	-6.4	n
1,2,3,4,6,7,8-HpCDF	58040100	0.97 y	34:36	1.31	50.00	0.0	n
1,2,3,4,7,8,9-HpCDF	44738500	0.98 y	35:44	1.01	50.00	-1.5	n
Total HpCDF	103258657	0.97 y	34:36	1.16	100.00	-0.7	n
13C-1,2,3,4,6,7,8-HpCDD	72019600	1.08 y	35:24	0.66	100.00	-5.9	n
1,2,3,4,6,7,8-HpCDD	36979100	1.04 y	35:25	1.03	50.00	-4.2	n
Total HpCDD	37184747	1.07 y	34:51	1.03	50.00	-4.2	n
13C-OCDD	101375300	0.90 y	37:54	0.46	200.00	-13.1	n
OCDF	70200900	0.90 y	38:01	1.38	100.00	-4.2	n
OCDD	57825400	0.89 y	37:55	1.14	100.00	-2.2	n

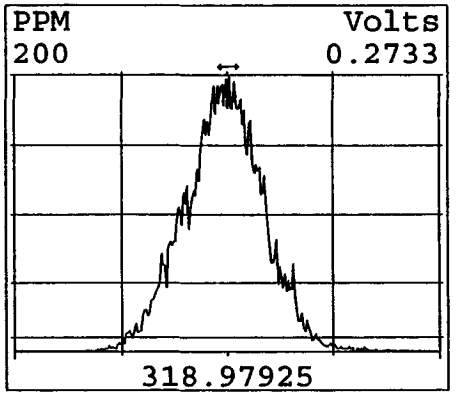
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
27AP104D5	1	ST0427	CS3 10DXN083				1.00000	
27AP104D5	2	CP0427	DB-5 CPSM 3732-05				1.00000	
27AP104D5	3	SB0427	Solvent Blank C-14				1.00000	
27AP104D5	4	L0CQF-1-AA	G0D220000-242B	20	8290/SOLID	79	1.00000	L
27AP104D5	5	L0CQF-1-AD	G0D220000-242B	20	8290/SOLID		1.00000	L
27AP104D5	6	L0CQF-1-AC	G0D220000-242C	20	8290/SOLID		1.00000	L
27AP104D5	7	LXXKG-1-AD	G0D140422-1	10	8290/SOLID	73	10.32000	g
27AP104D5	8	LXXKQ-1-AD	G0D140422-3	10	8290/SOLID		10.22000	g
27AP104D5	9	LXXKG-1-AD	G0D140422-1 RI	10	8290/SOLID		10.32000	g
27AP104D5	10	LXXKW-1-AD	G0D140422-5	10	8290/SOLID		10.21000	g
27AP104D5	11	LXXK4-1-AD	G0D140422-7	10	8290/SOLID		10.10000	g
27AP104D5	12	LXXLD-1-AD	G0D140422-9	10	8290/SOLID		10.24000	g
27AP104D5	13	LXXLV-1-AD	G0D140422-11	10	8290/SOLID		10.04000	g
27AP104D5	14	LXXTR-1-AD	G0D140435-4	10	8290/SOLID	75	10.03000	g
27AP104D5	15	LXXQX-1-AD	G0D140435-1	10	8290/SOLID		10.58000	g
27AP104D5	16	LXXTC-1-AD	G0D140435-2	10	8290/SOLID		10.32000	g
27AP104D5	17	LX6LV-1-AC	G0D080425-50 (20x)	10	8290/SOLID	77	10.17000	g
27AP104D5	18	SB0427A	Solvent Blank C-14				1.00000	
27AP104D5	19	ST0427A	CS3 10DXN083				1.00000	
27AP104D5	20	CP0427A	DB-5 CPSM 3732-05				1.00000	
27AP104D5	21	SB0427B	Solvent Blank C-14				1.00000	
27AP104D5	22	L0JAN-1-AAB	G0D210497-1MB	20	8290/WATER	83	1.00000	L
7AP104D5	23	L0JAN-1-ACC	G0D210497-1LCS	20	8290/WATER		1.00000	L
/AP104D5	24	L0FPW-1-AE	G0D230544-1	20	8290/WATER		0.99830	L
27AP104D5	25	L0FVA-1-AH	G0D230544-2	20	8290/WATER		1.00220	L
27AP104D5	26	L0JDH-1-AAB	G0D080598-1MBRX	20	8290/SOLID	83	10.00000	g
27AP104D5	27	L0JDH-1-ACC	G0D080598-1LCSRX	20	8290/SOLID		10.00000	g
27AP104D5	28	LXPHR-3-AA	G0D080598-1RX	20	8290/SOLID		10.97000	g
27AP104D5	29	LXX4J-3-AA	G0D140468-1RX	20	8290/SOLID		10.03000	g
27AP104D5	30	LXX4V-3-AA	G0D140468-2RX	20	8290/SOLID		10.79000	g
27AP104D5	31	LXX44-3-AA	G0D140468-3RX	20	8290/SOLID		10.00000	g
27AP104D5	32	LXX44-3-ALS	G0D140468-3SRX	20	8290/SOLID		10.62000	g
27AP104D5	33	LXX44-3-AMD	G0D140468-3DRX	20	8290/SOLID		10.22000	g
27AP104D5	34	L0CQF-1-AC	G0D220000-242C RI	20	8290/SOLID	79	1.00000	L
27AP104D5	35	SB0427C	Solvent Blank C-14				1.00000	
27AP104D5	36	ST0427B	CS3 10DXN083				1.00000	
27AP104D5	37	CP0427B	DB-5 CPSM 3732-05				1.00000	
27AP104D5	38	SB0427D	Solvent Blank C-14				1.00000	
27AP104D5	39	LX6LV-1-AC	G0D080425-50 (20x) RI	10	8290/SOLID	77	10.17000	g
27AP104D5	40	LXX5A-3-AA	G0D140468-4RX	20	8290/SOLID	83	10.06000	g
27AP104D5	41						1.00000	
27AP104D5	42						1.00000	
27AP104D5	43						1.00000	
27AP104D5	44		MG, AM 04/27/10				1.00000	

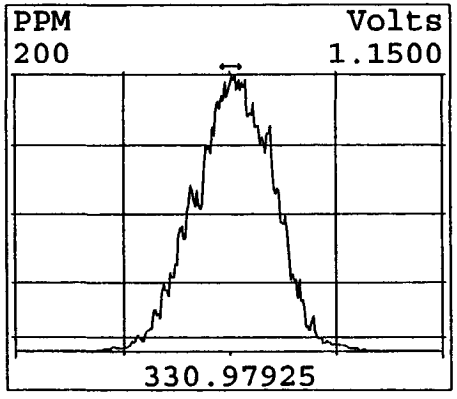
logfile rd 4/28/10 MG

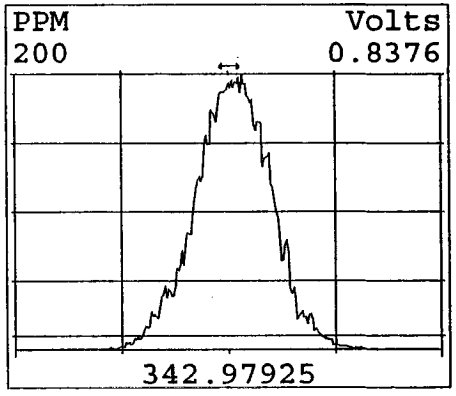
Peak Locate Examination:27-APR-2010:11:41 File:27AP104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

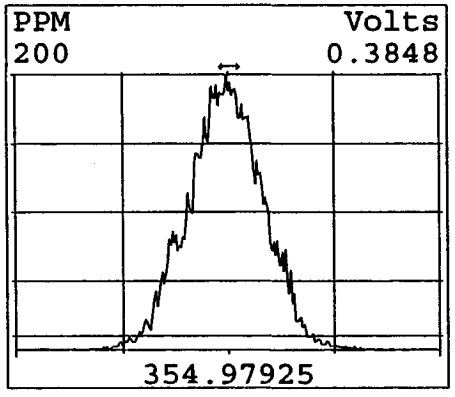


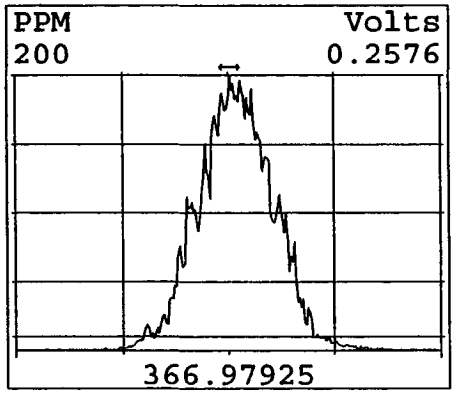


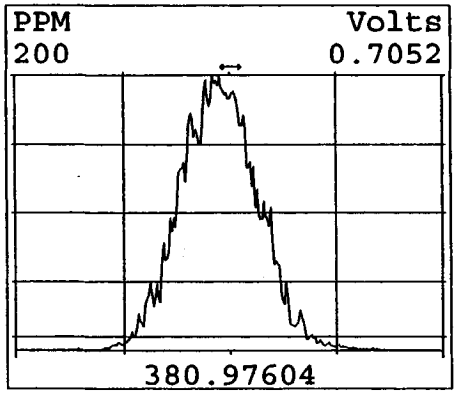


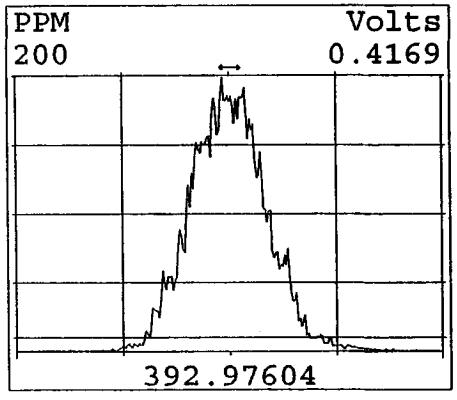


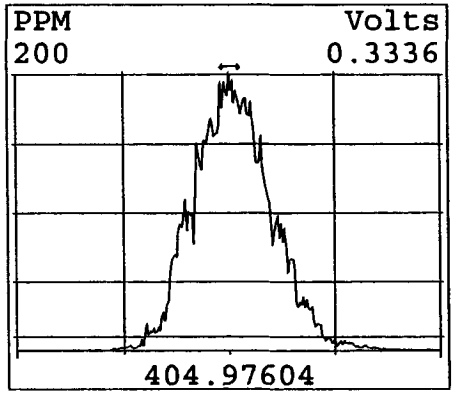


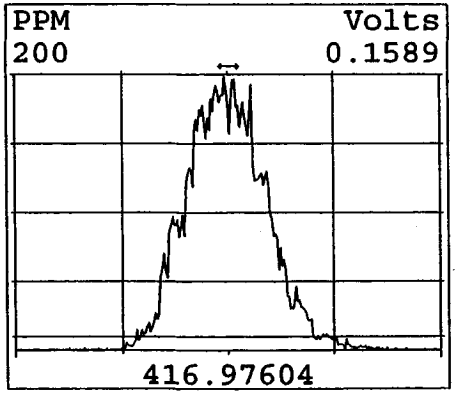




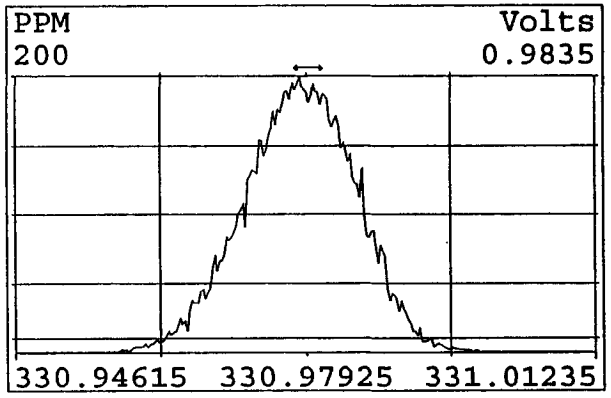


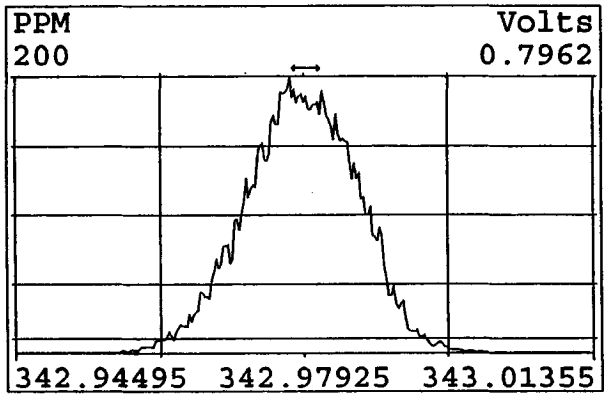


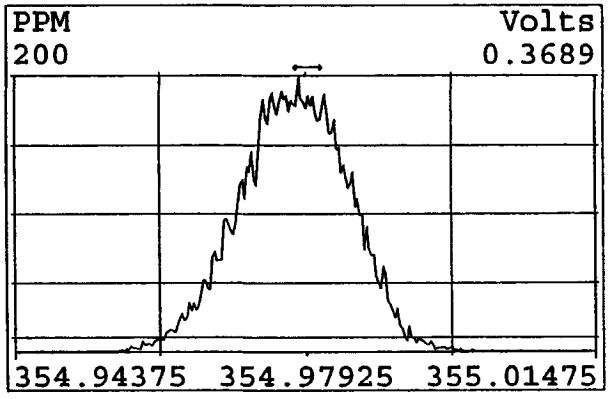


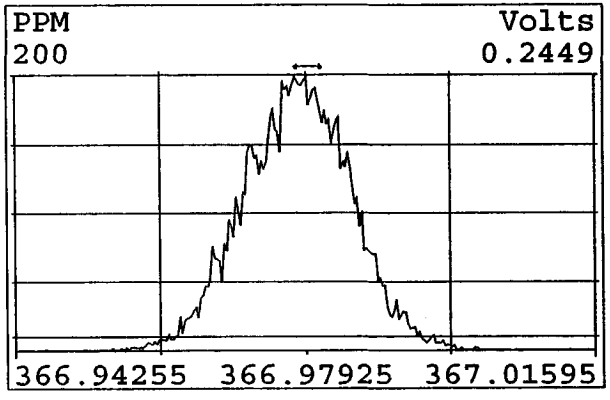


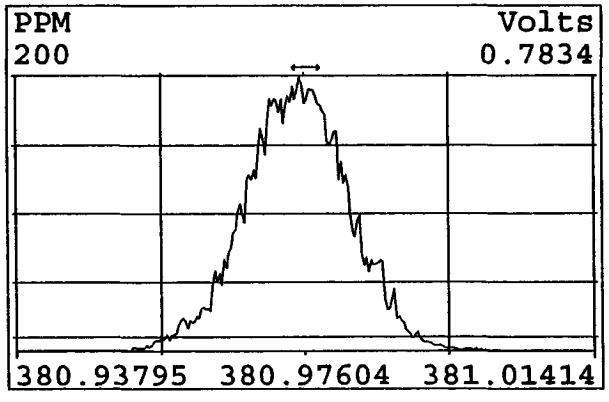
Peak Locate Examination:27-APR-2010:11:44 File:27AP104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

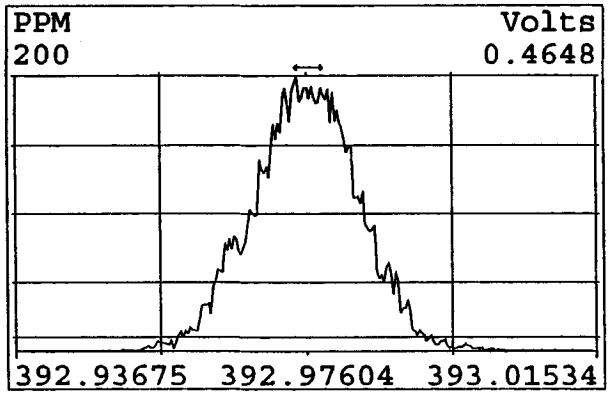


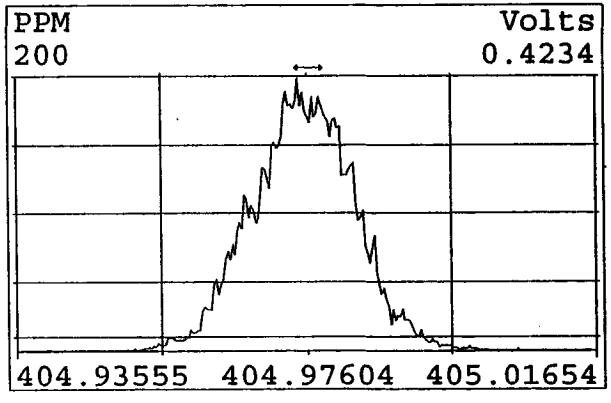


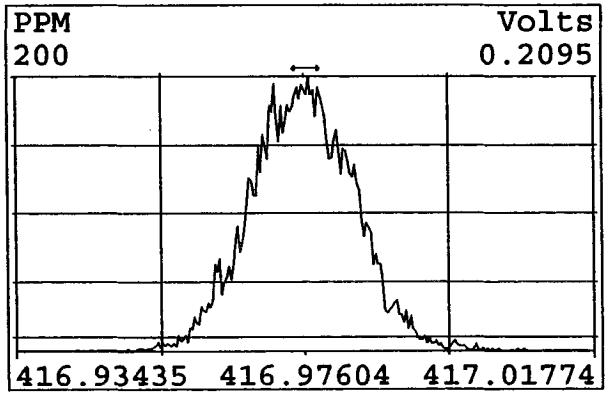




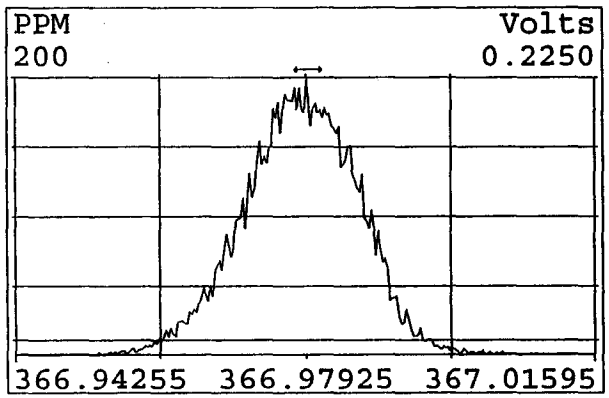


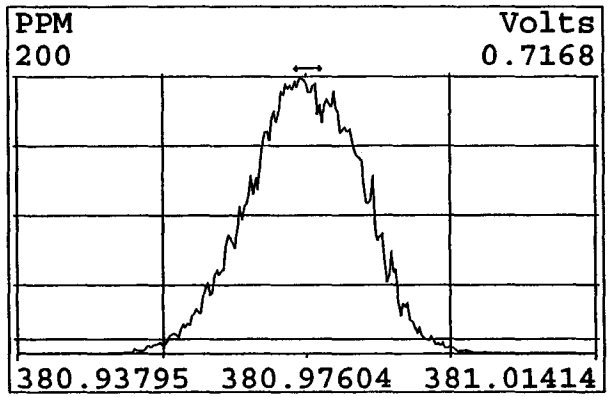


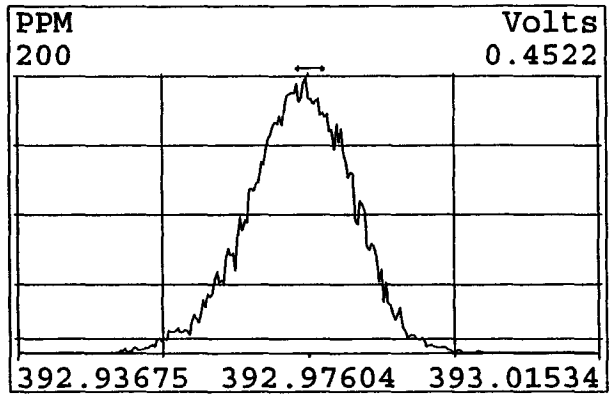


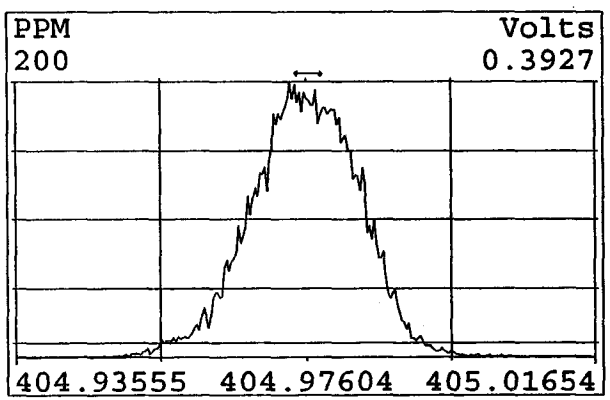


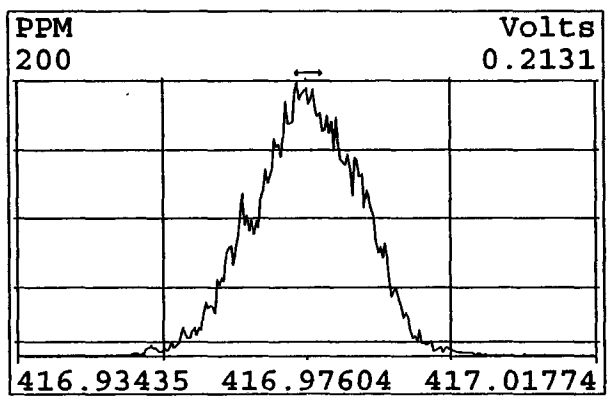
Peak Locate Examination:27-APR-2010:11:45 File:27AP104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

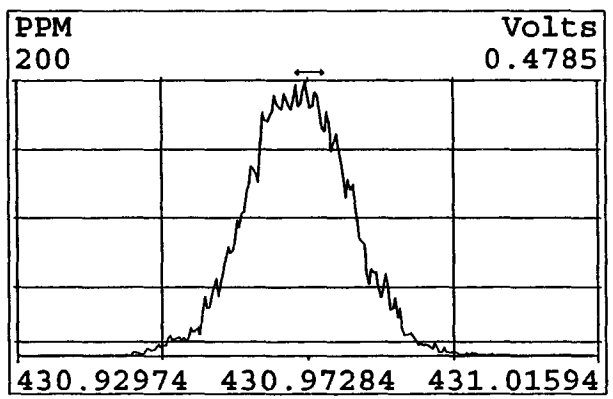


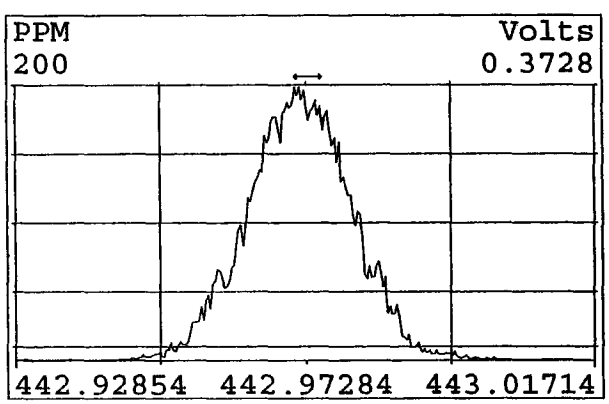


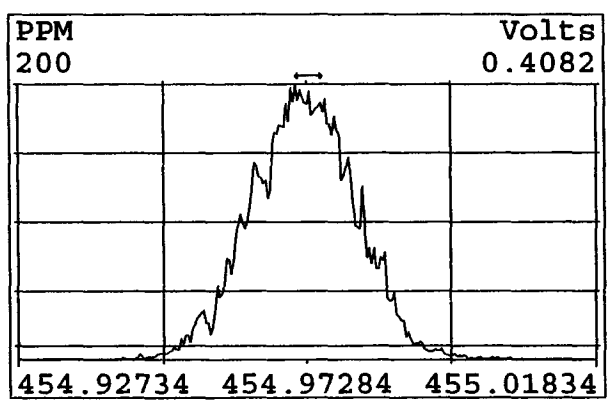




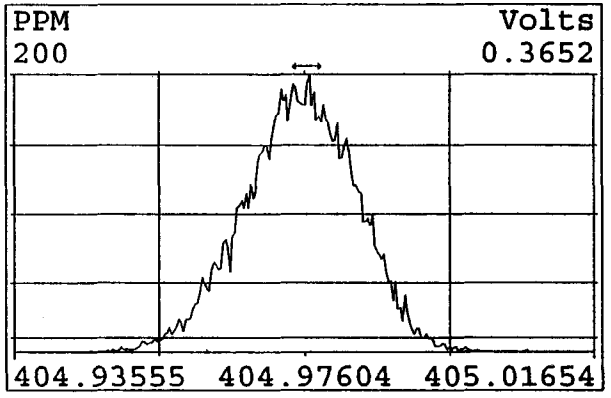


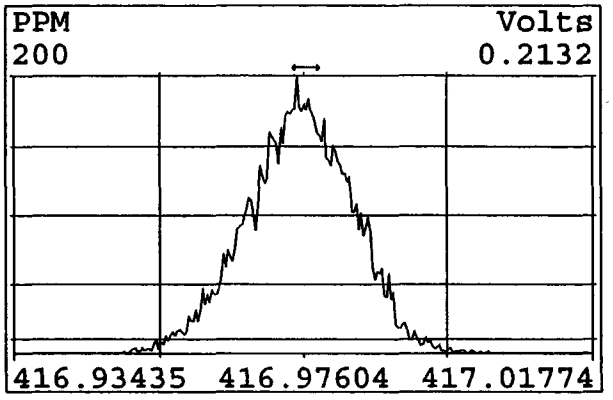


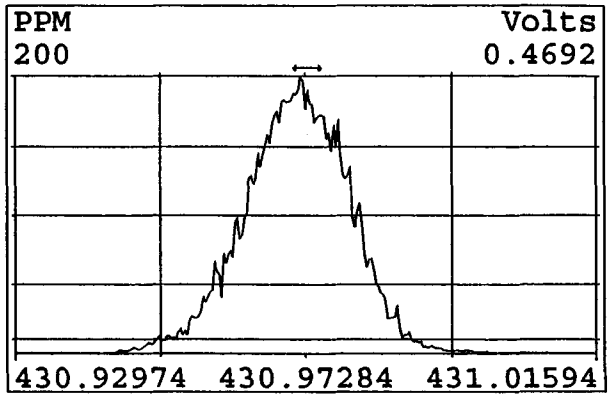


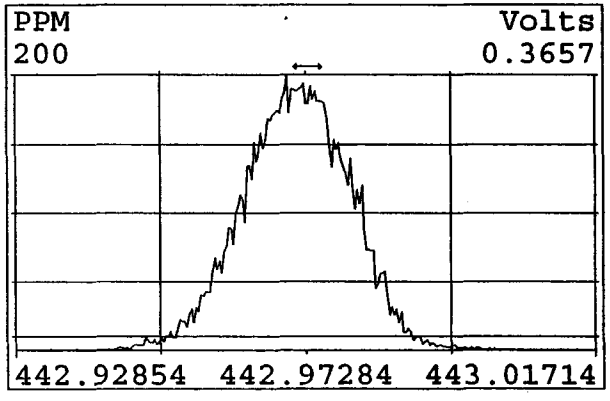


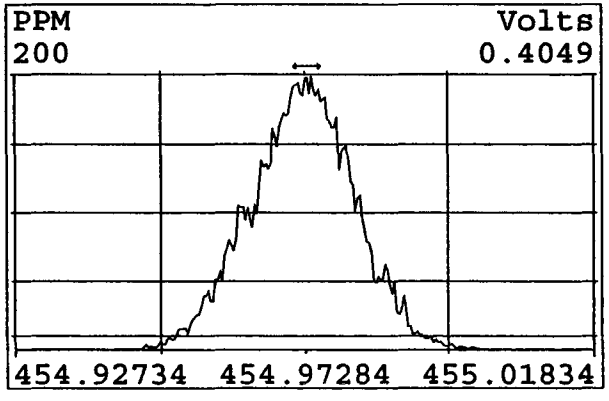
Peak Locate Examination:27-APR-2010:11:46 File:27AP104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

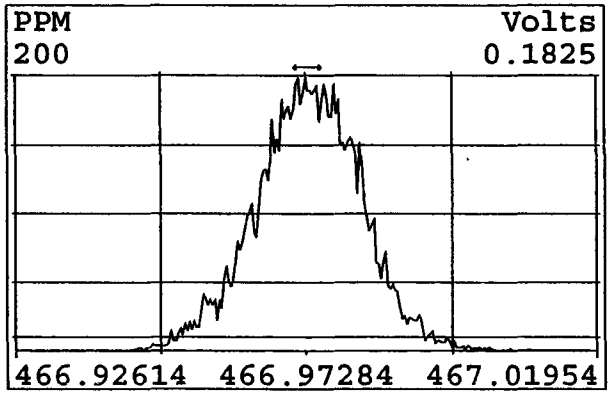


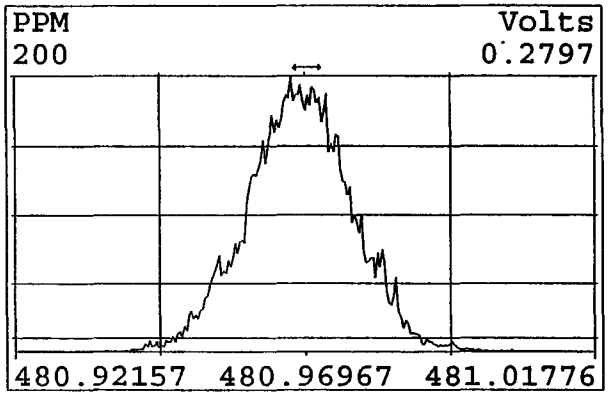




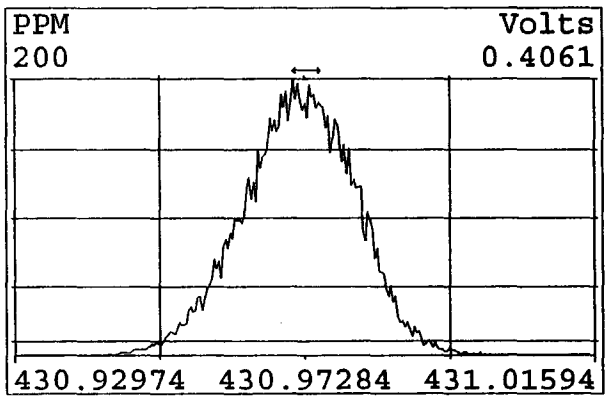


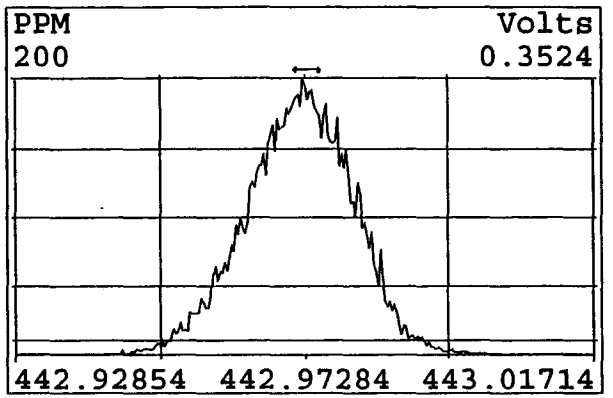


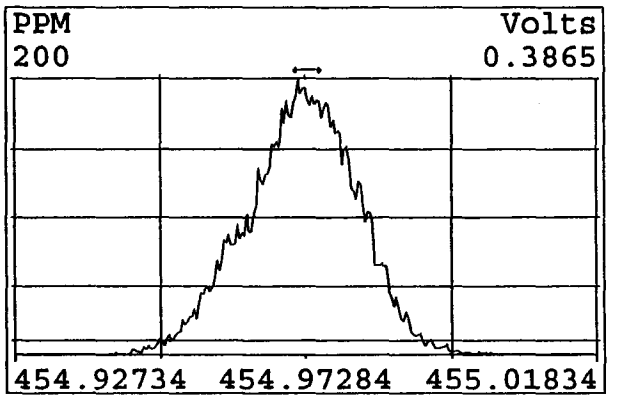


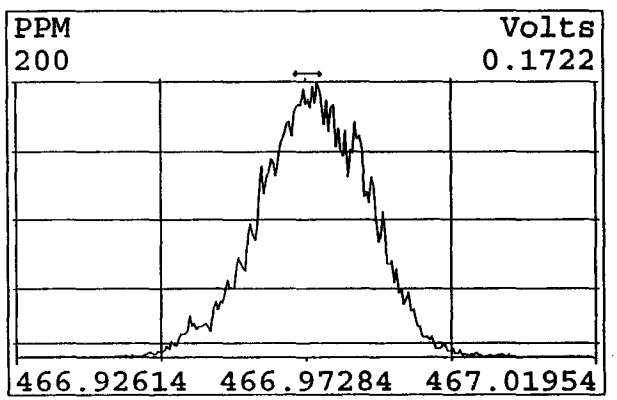


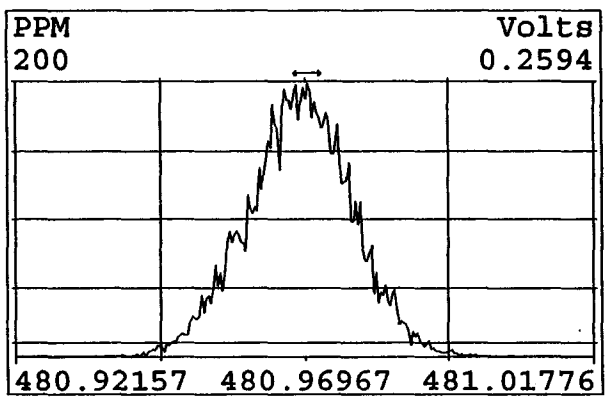
Peak Locate Examination:27-APR-2010:11:46 File:27AP104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

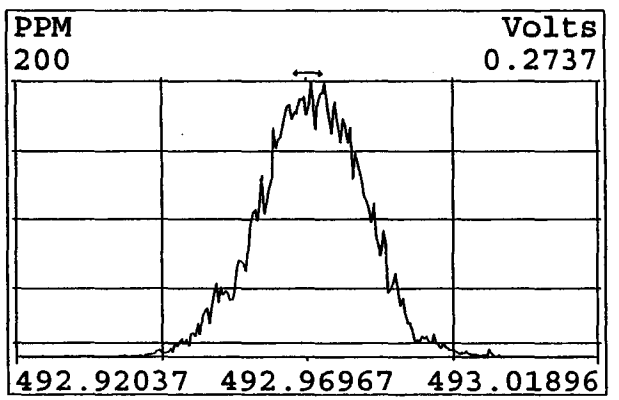


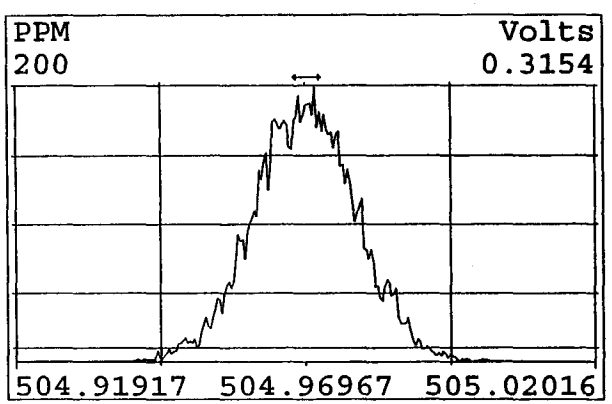


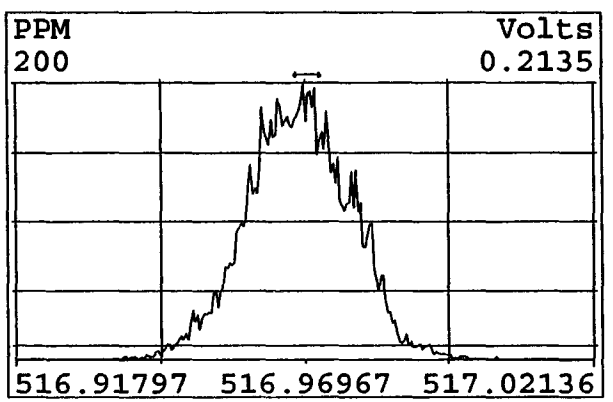




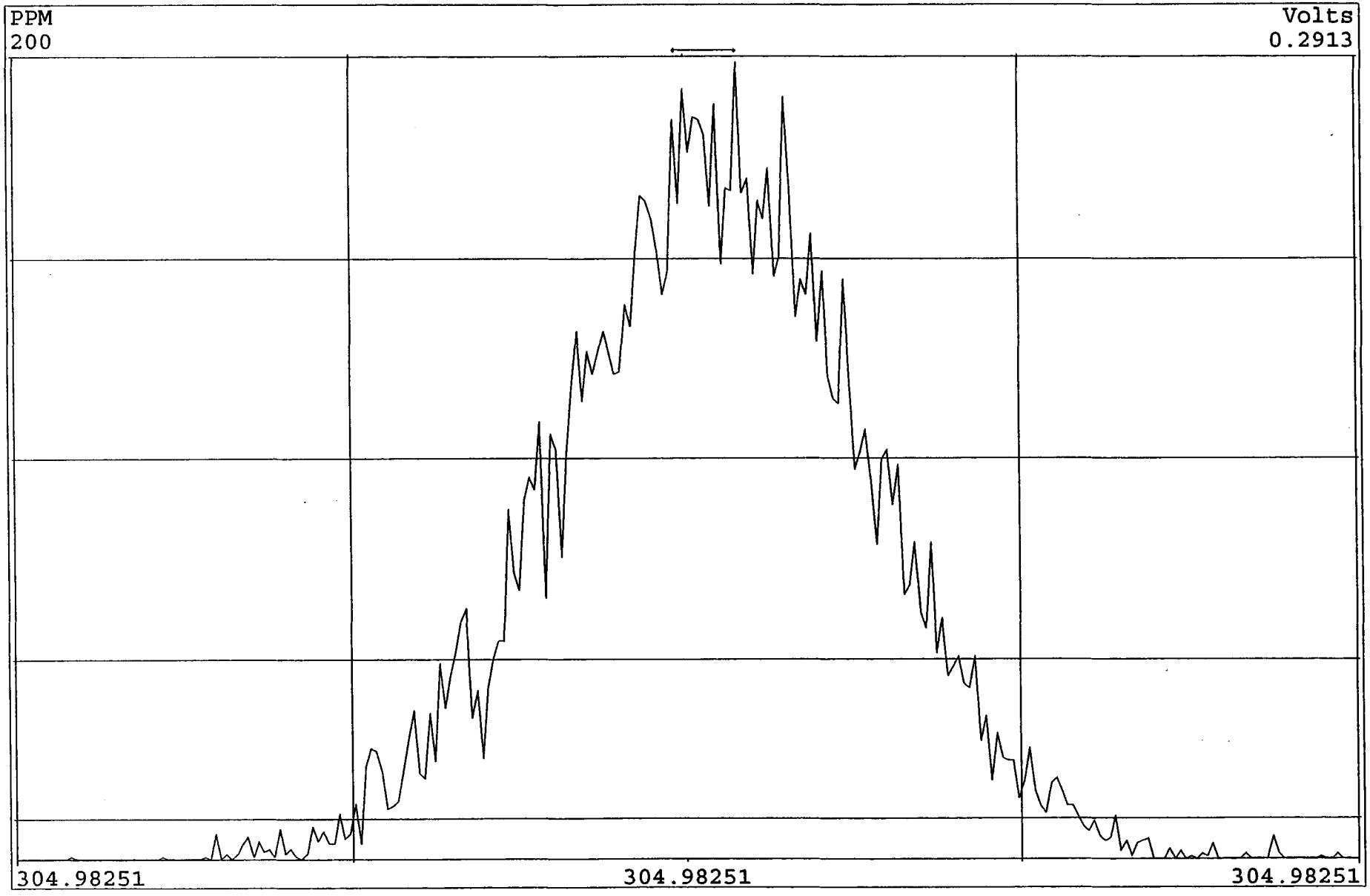




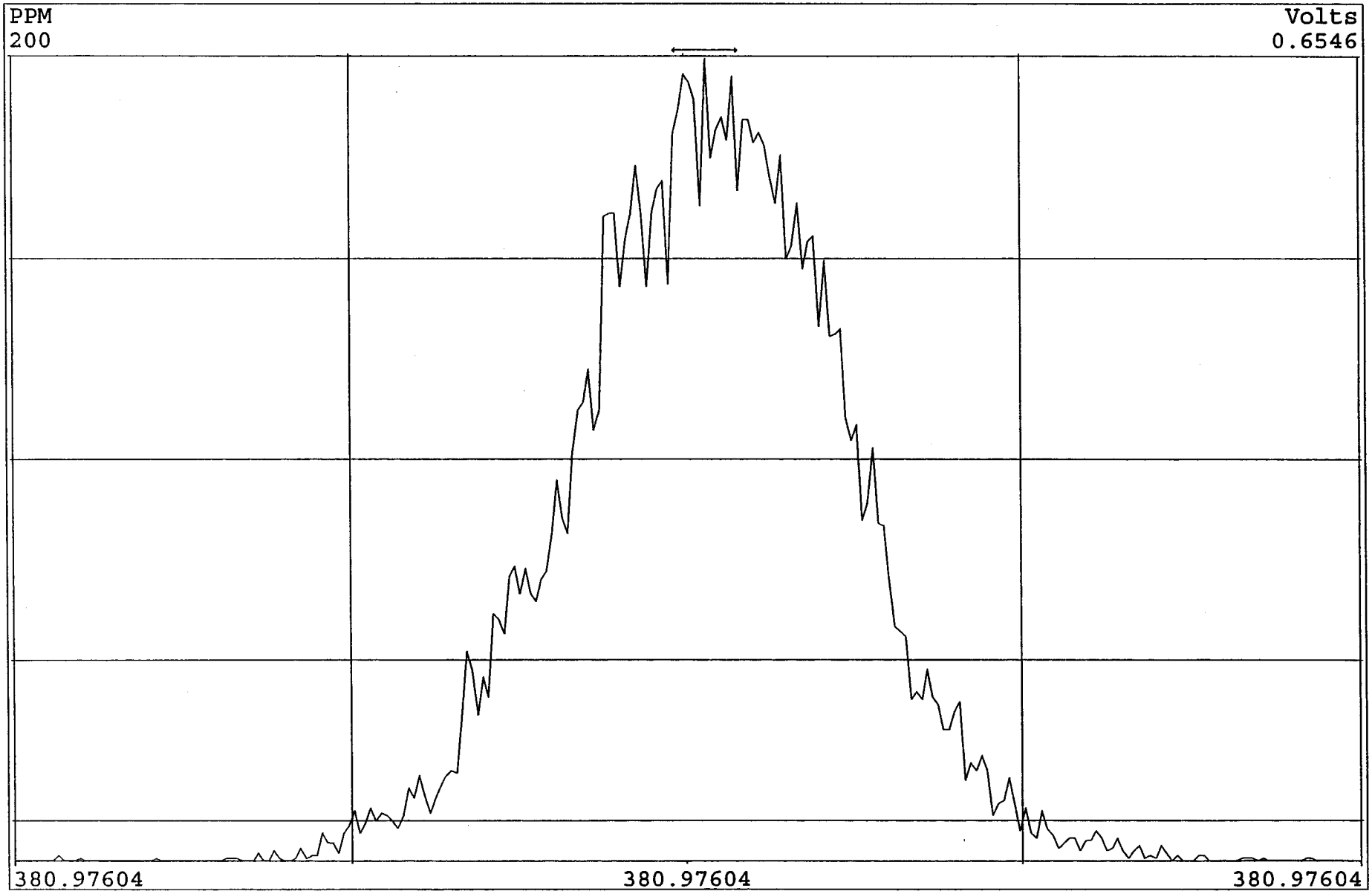




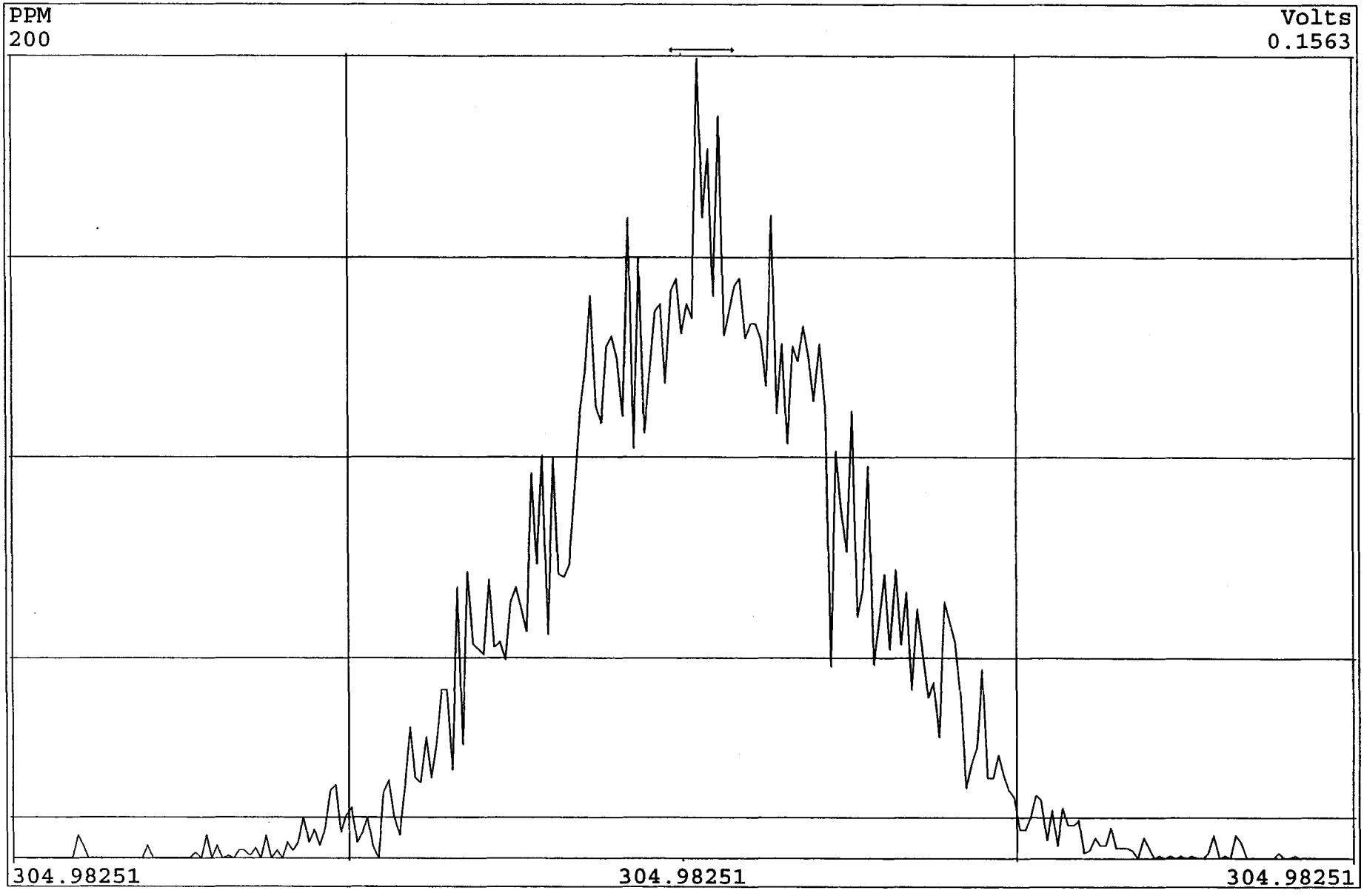
SIRLM Examination:27-APR-2010:22:08 File:27AP104D5
Experiment:DIOXINRES8290A Function:7



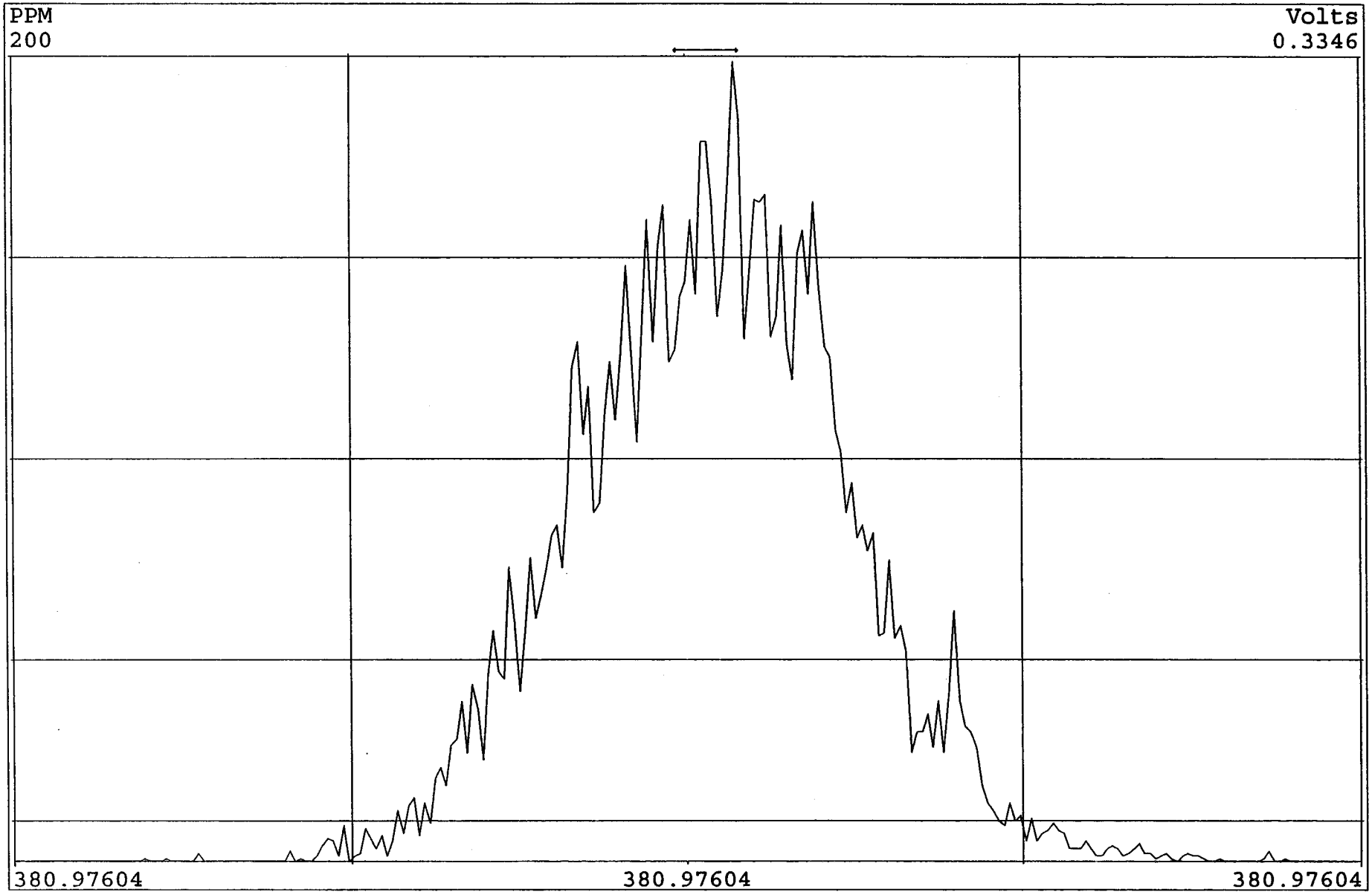
SIRLM Examination:27-APR-2010:22:07 File:27AP104D5
Experiment:DIOXINRES8290A Function:6



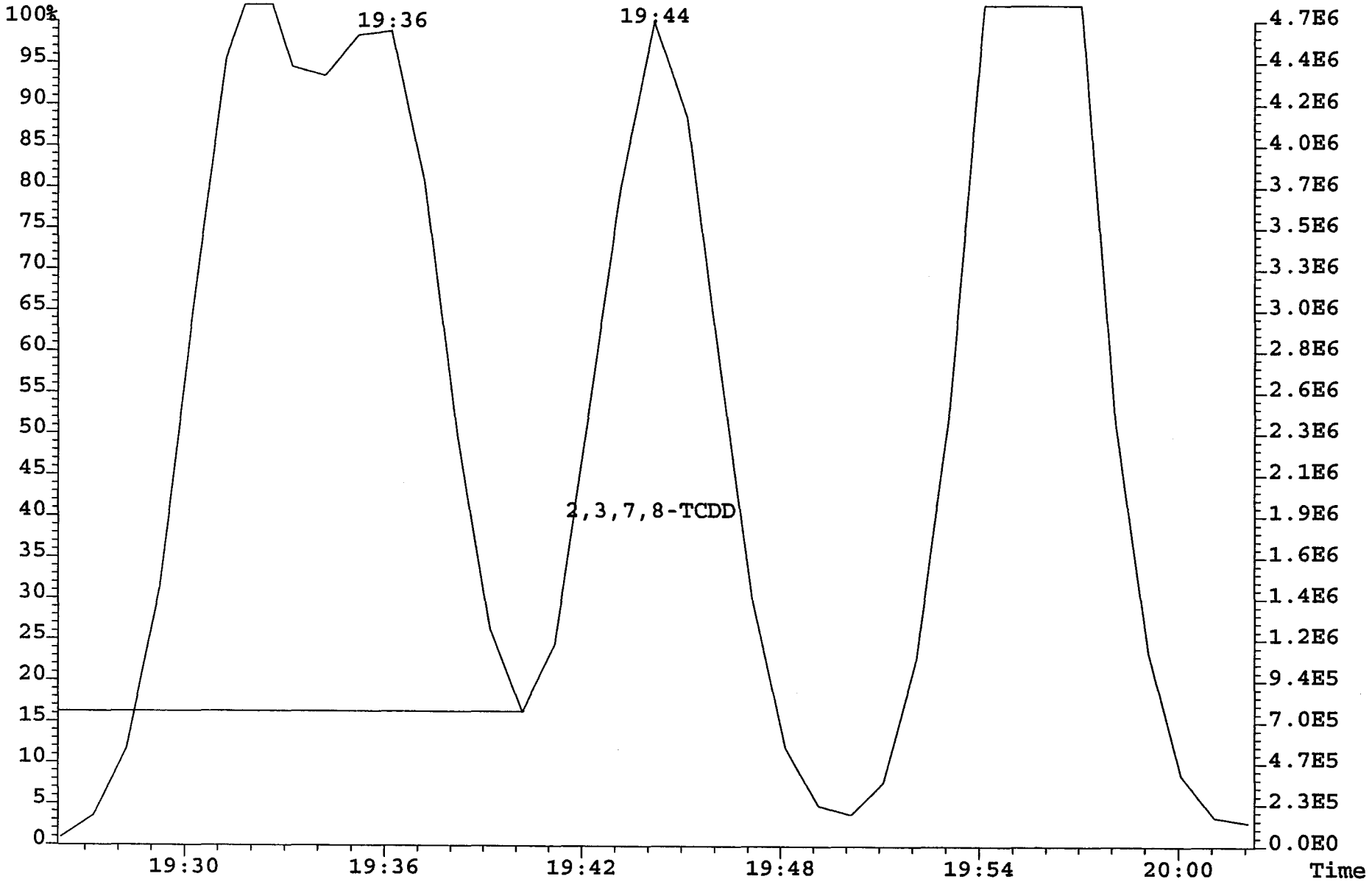
SIRLM Examination:28-APR-2010:08:25 File:27AP104D5
Experiment:DIOXINRES8290A Function:7



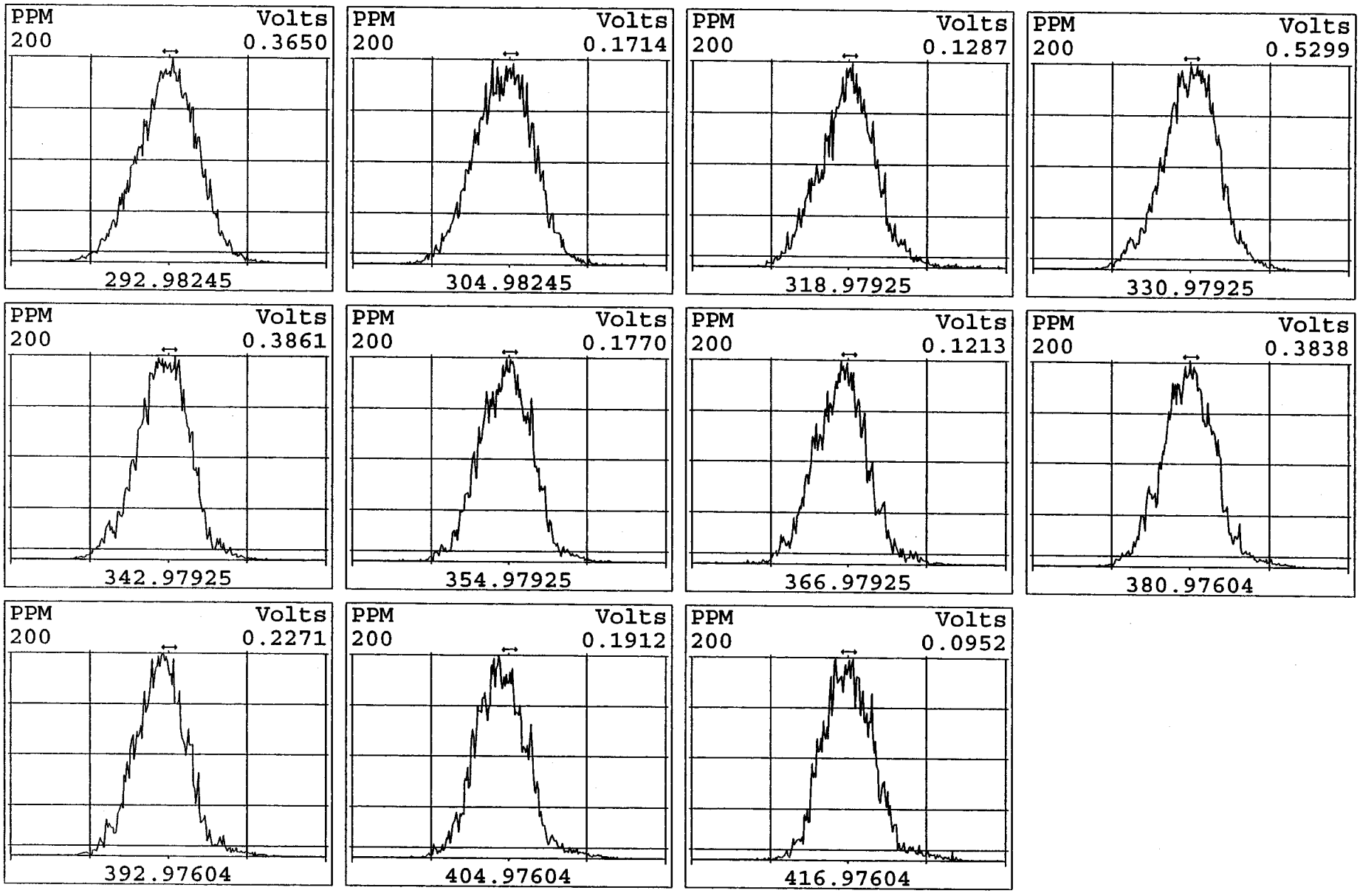
SIRLM Examination:28-APR-2010:08:24 File:27AP104D5
Experiment:DIOXINRES8290A Function:6



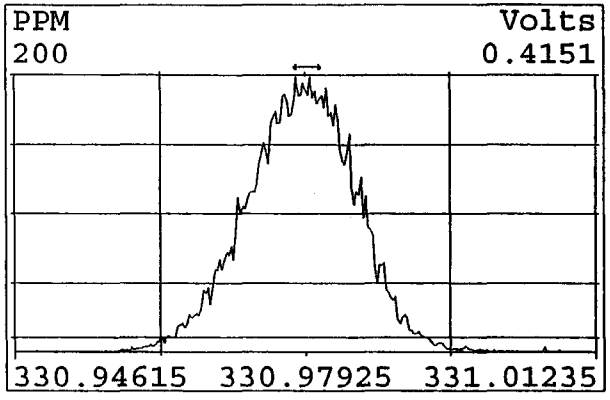
File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 S:2 Exp:DIOXINRES8290A

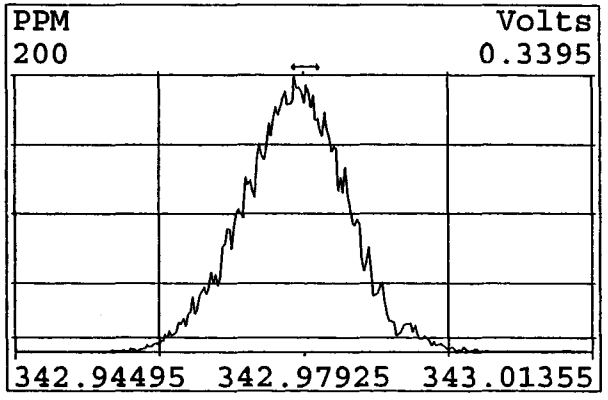


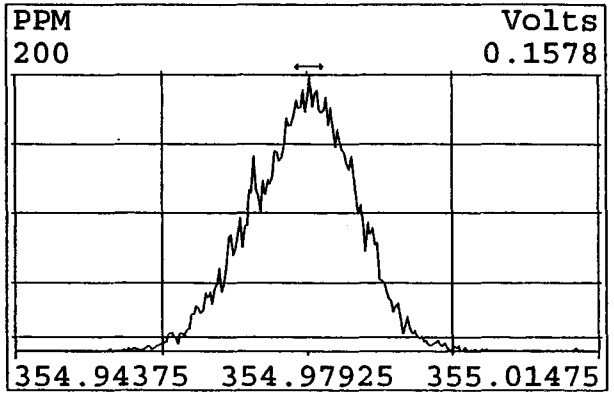
Peak Locate Examination:29-APR-2010:16:55 File:ENDRES27AP104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

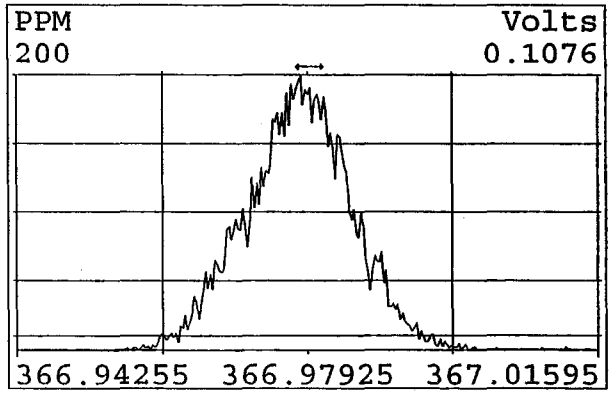


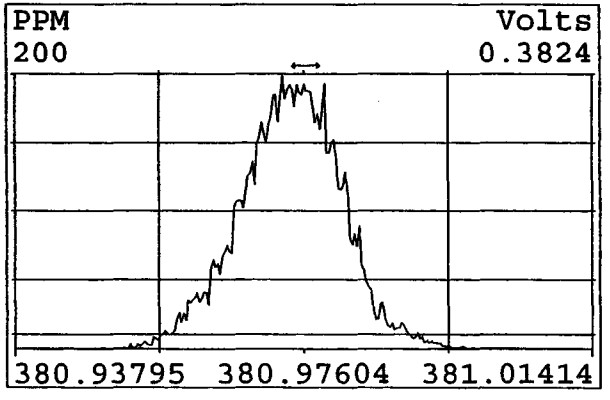
Peak Locate Examination:29-APR-2010:16:56 File:ENDRES27AP104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

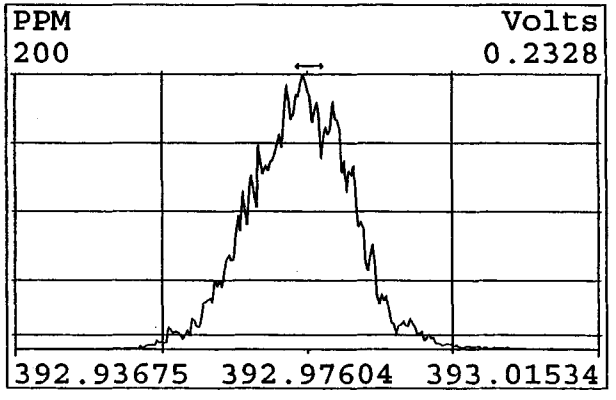


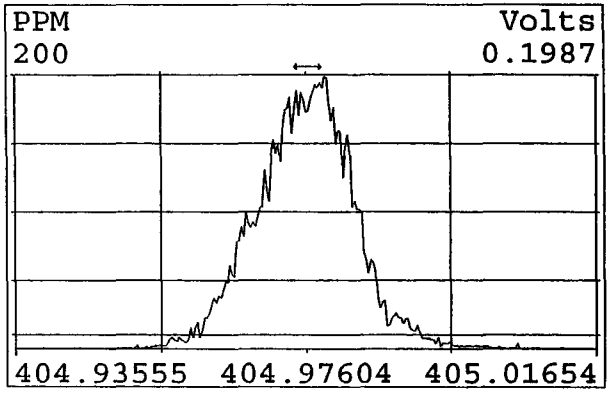


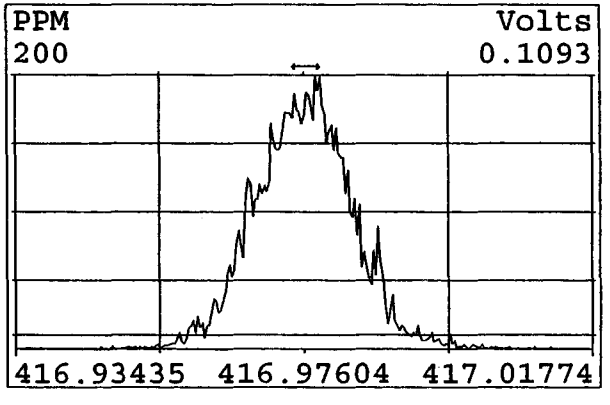




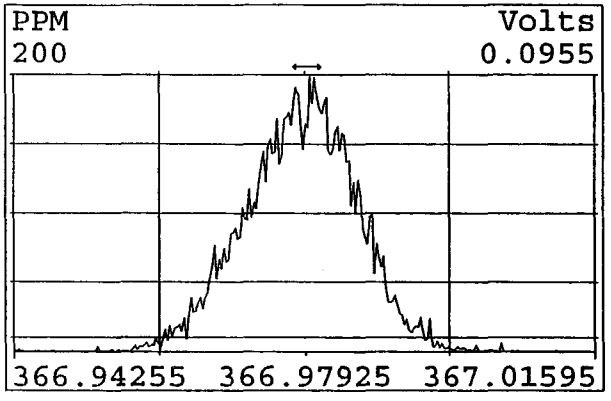


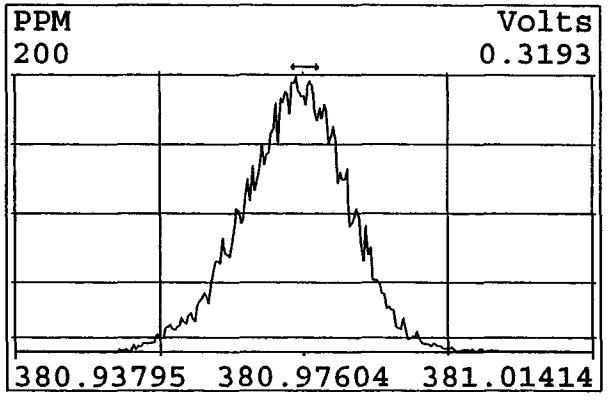


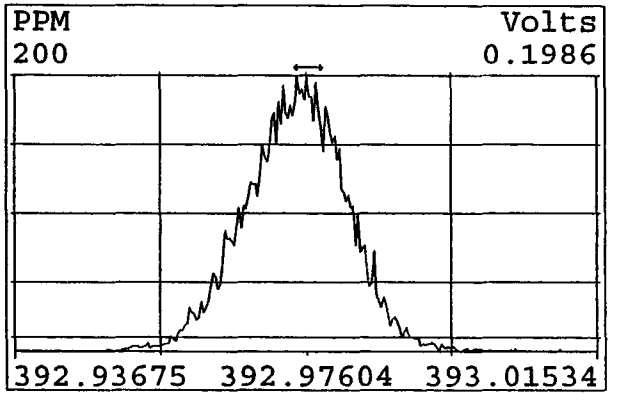


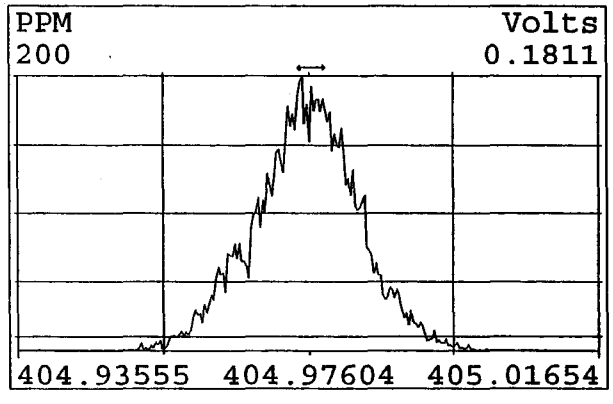


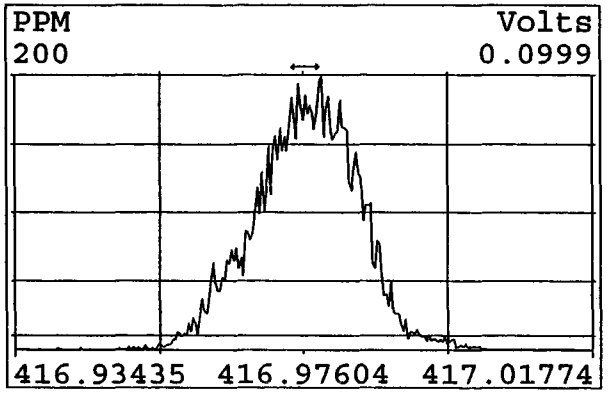
Peak Locate Examination:29-APR-2010:16:57 File:ENDRES27AP104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

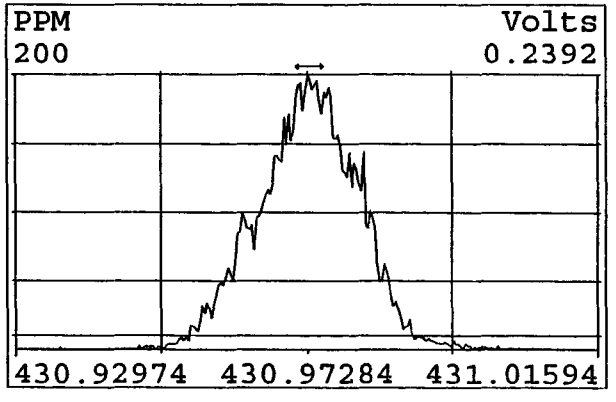


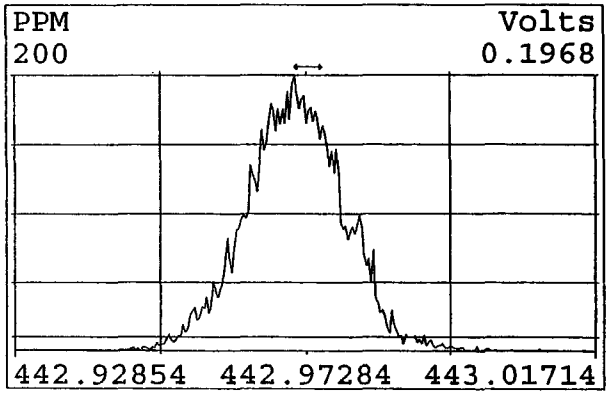


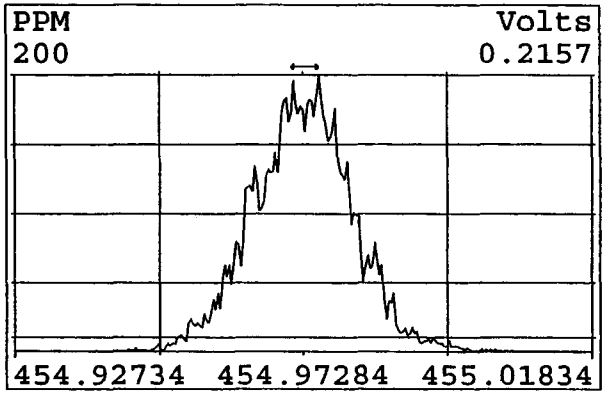




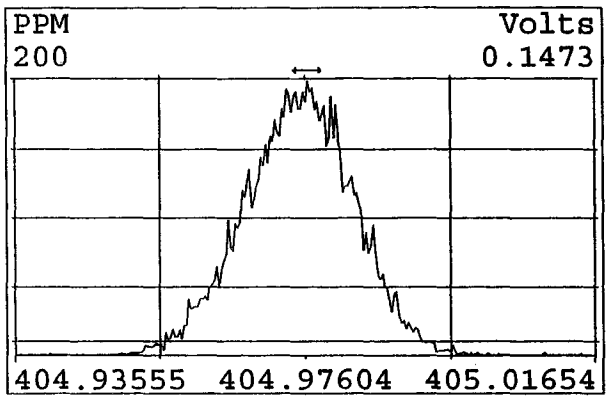


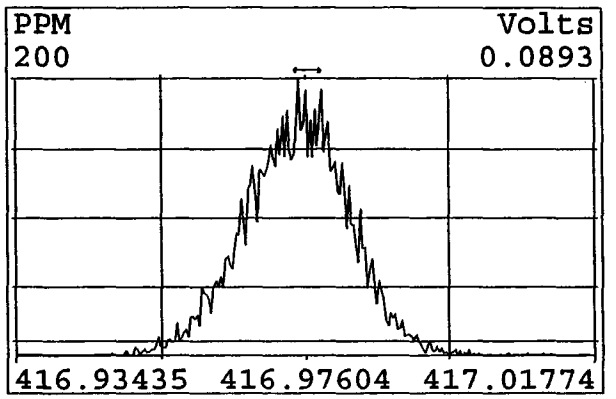


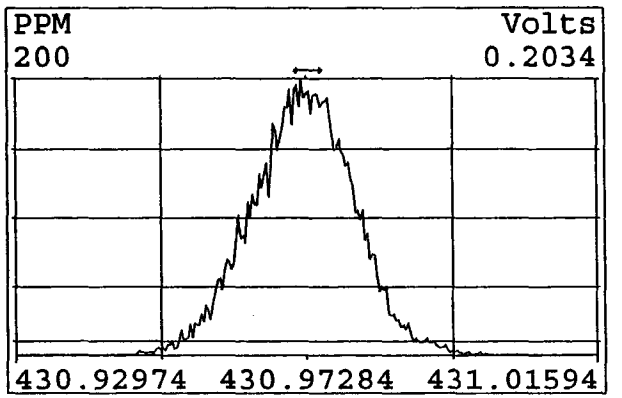


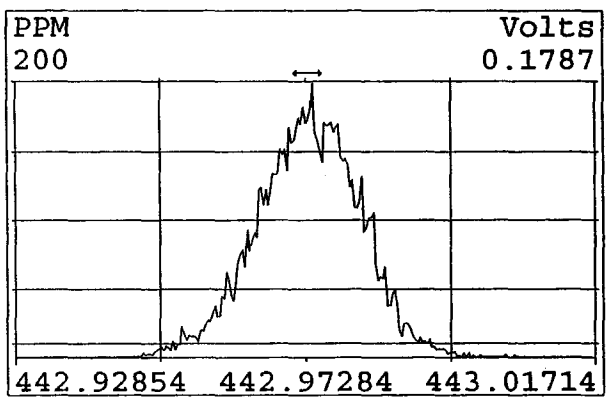


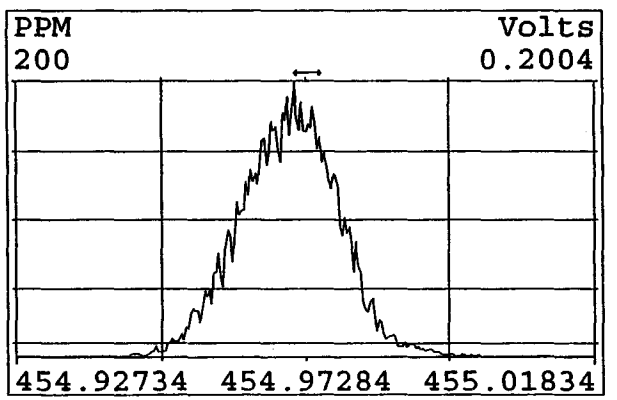
Peak Locate Examination:29-APR-2010:16:57 File:ENDRES27AP104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

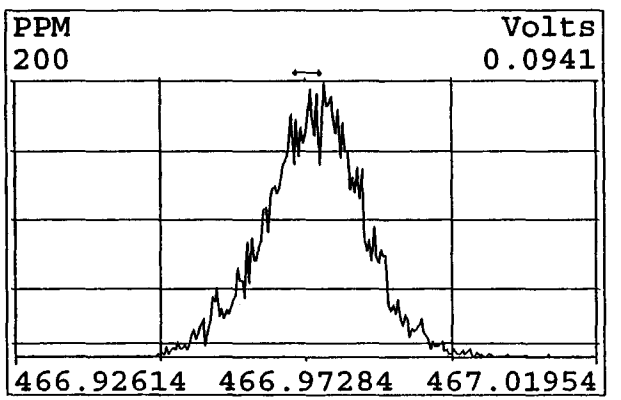


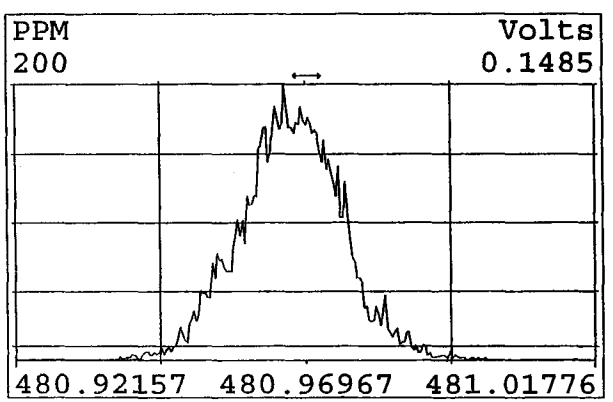




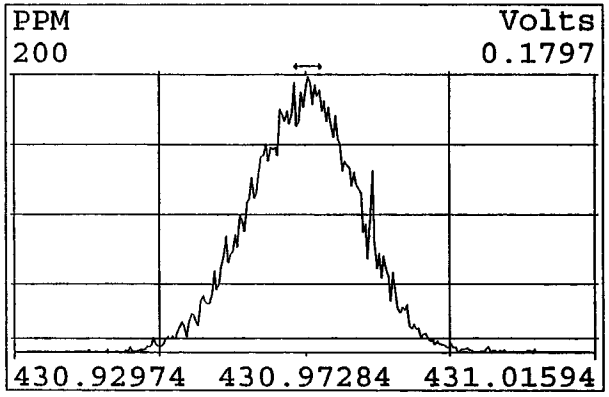


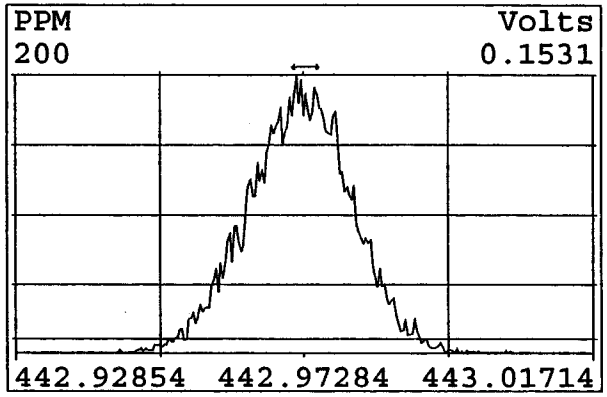


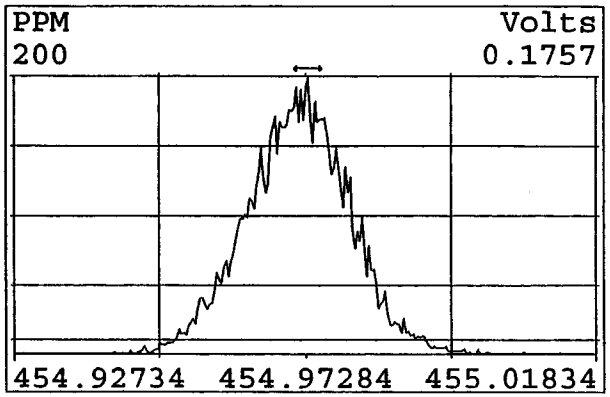


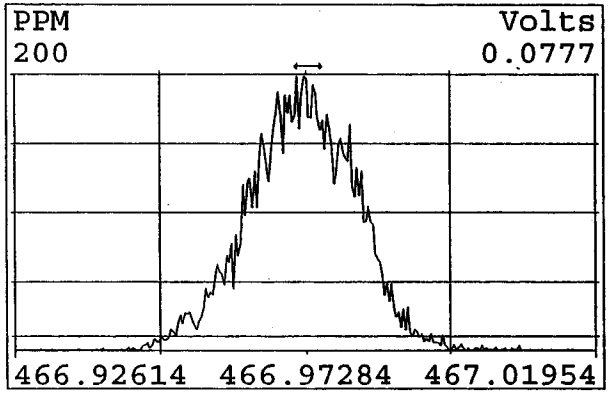


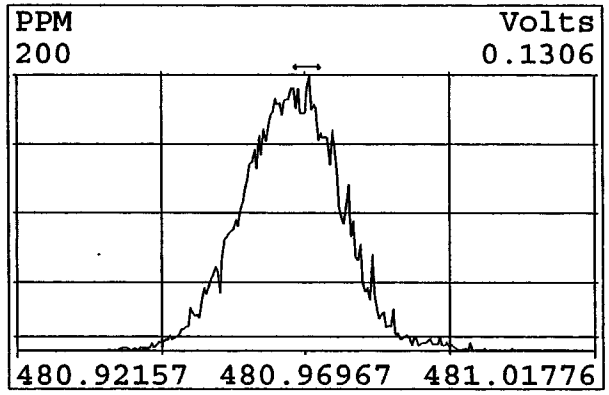
Peak Locate Examination:29-APR-2010:16:58 File:ENDRES27AP104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

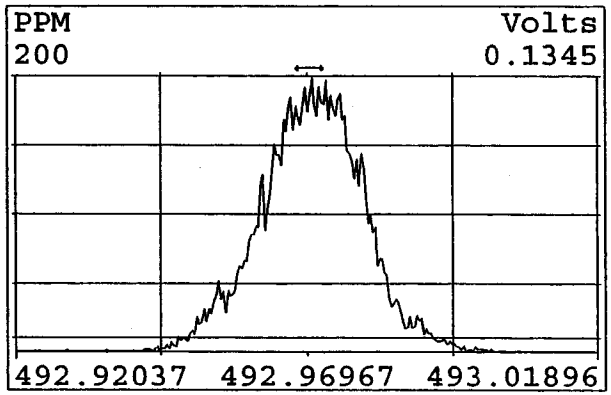


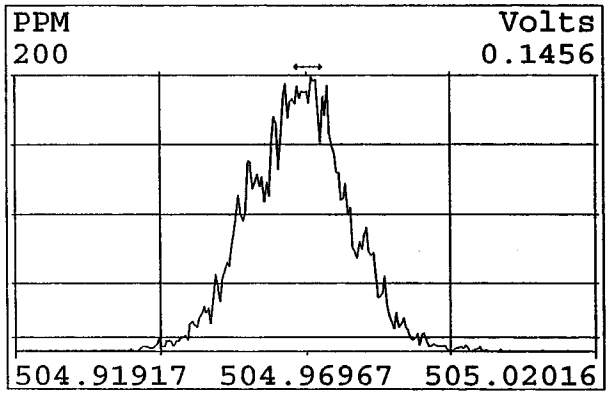


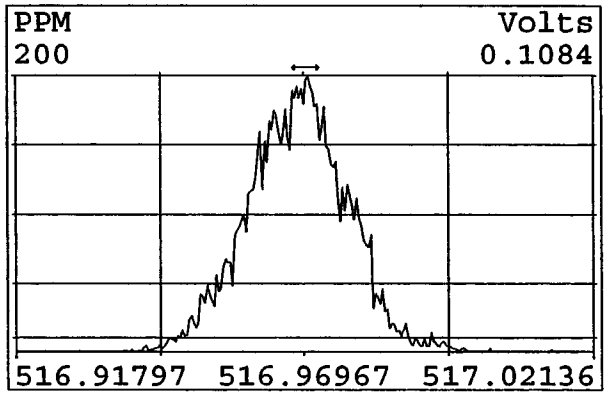




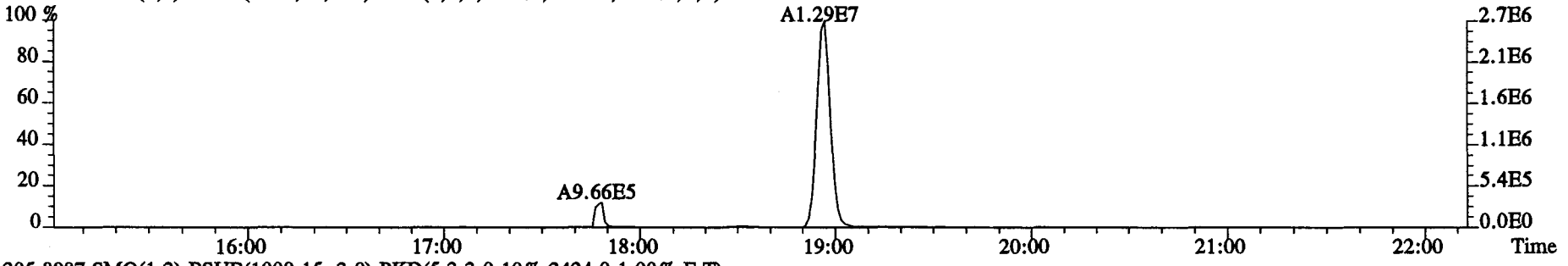


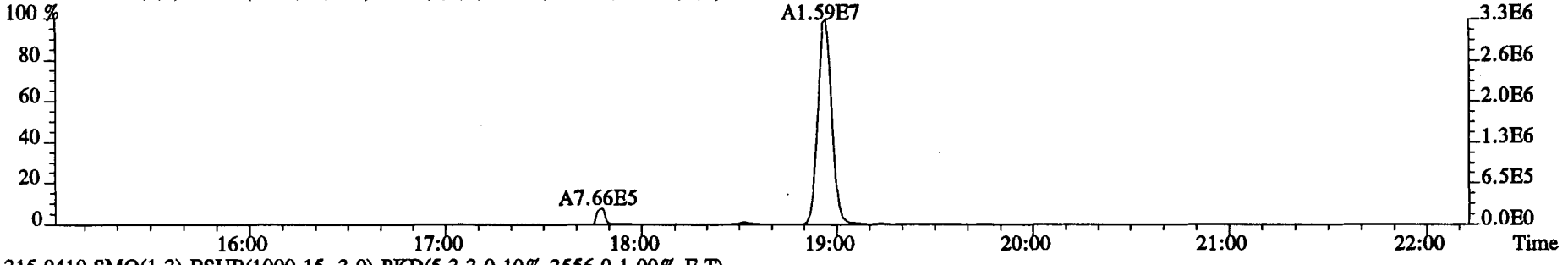


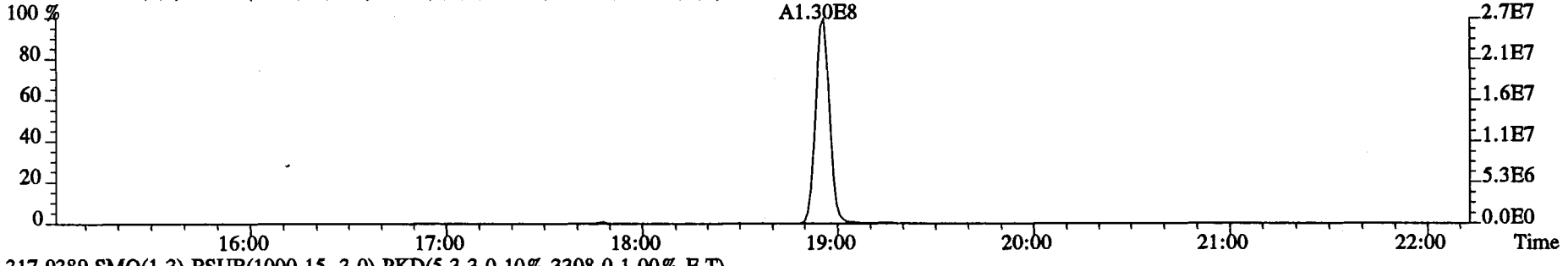


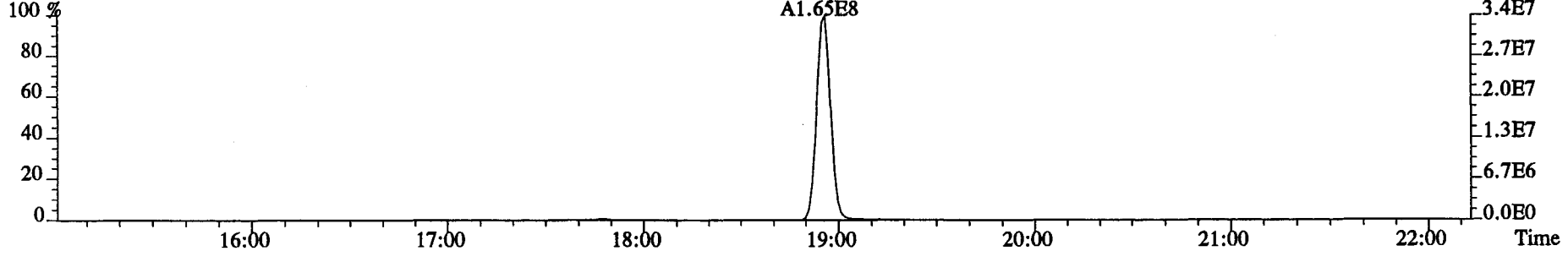


File:27AP104D5 #1-435 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

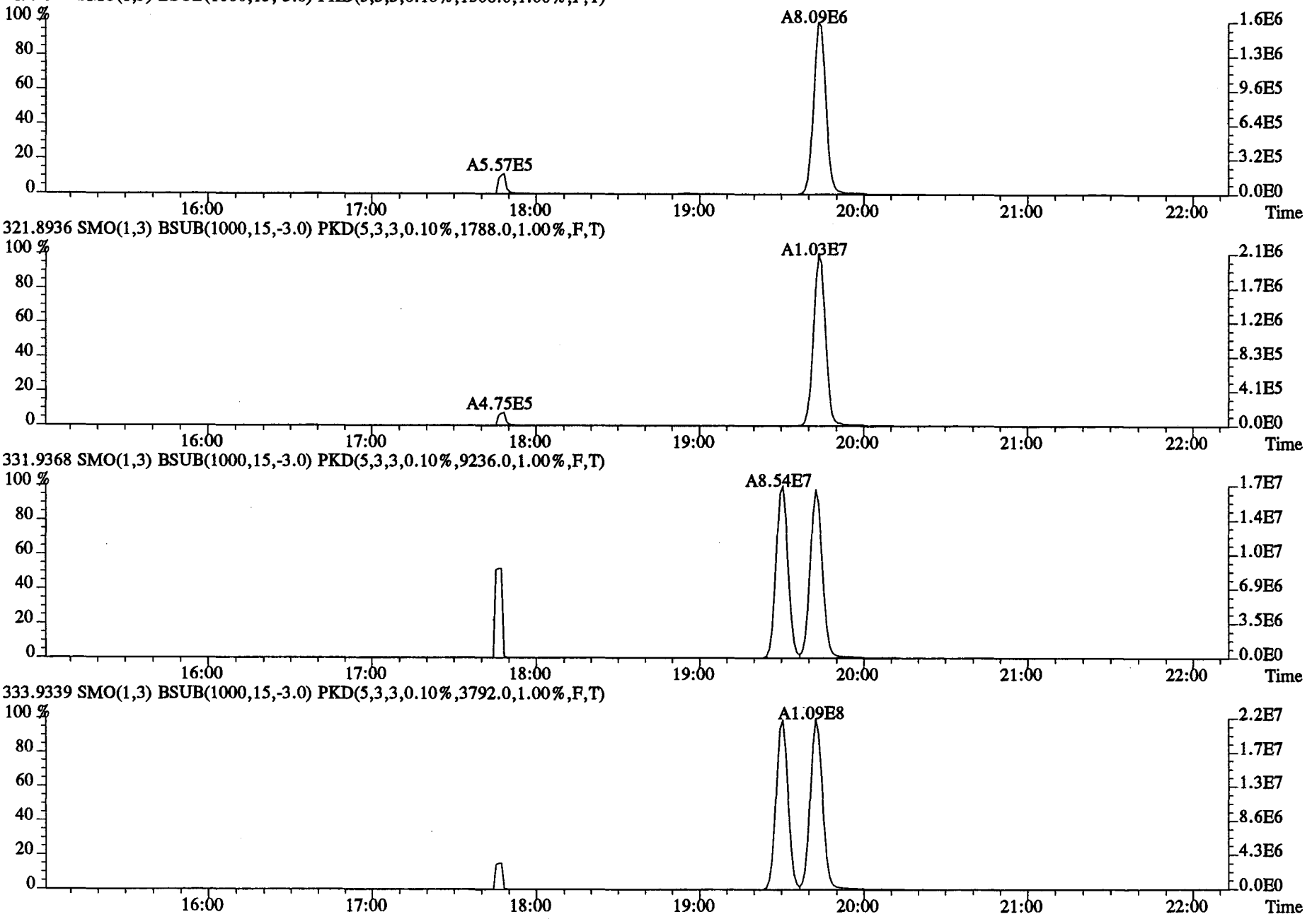




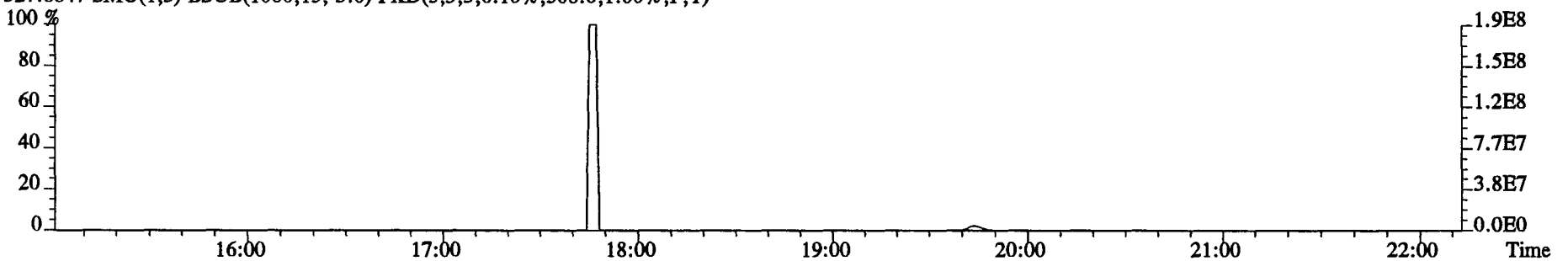


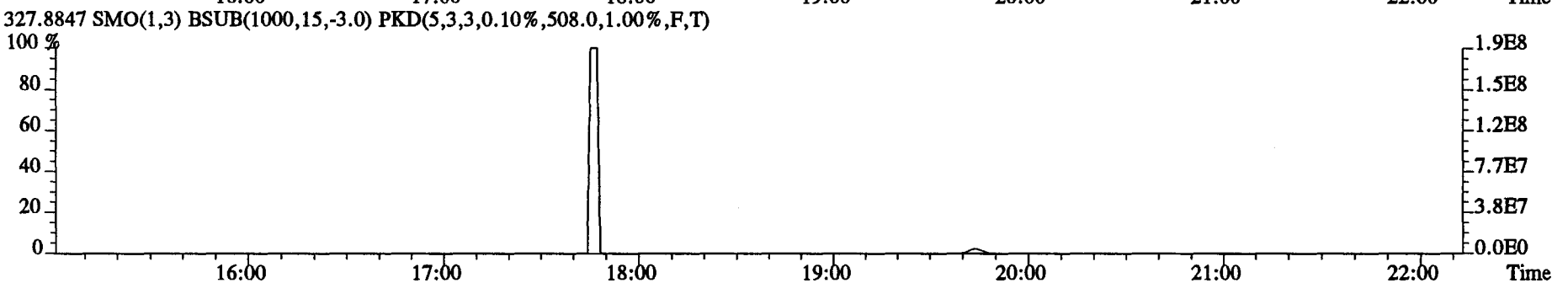


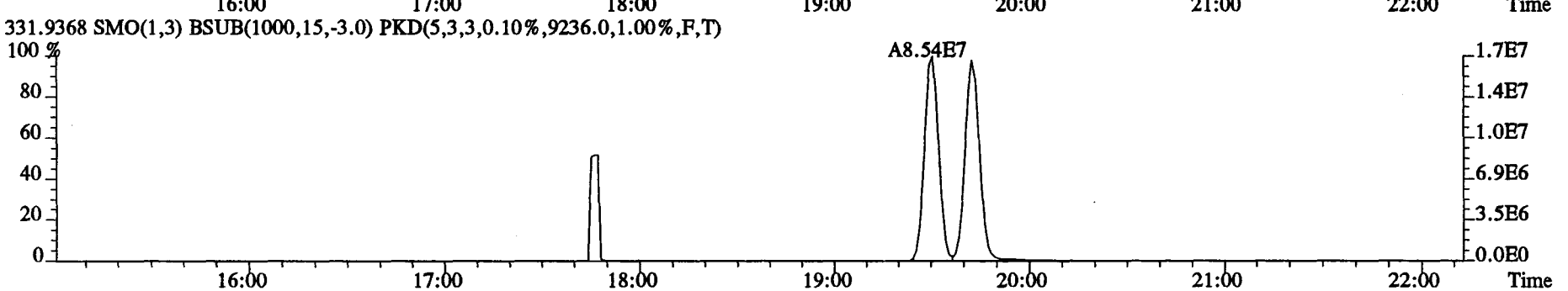
File:27AP104D5 #1-435 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

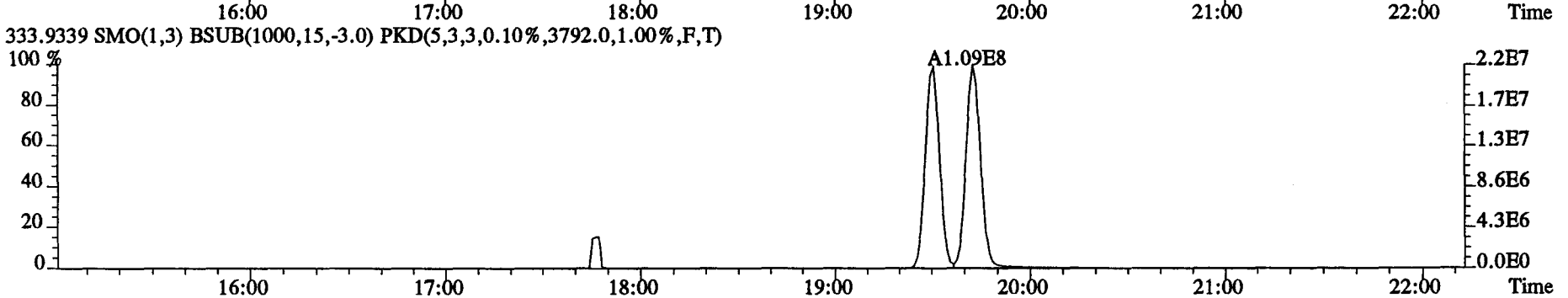


File:27AP104D5 #1-435 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

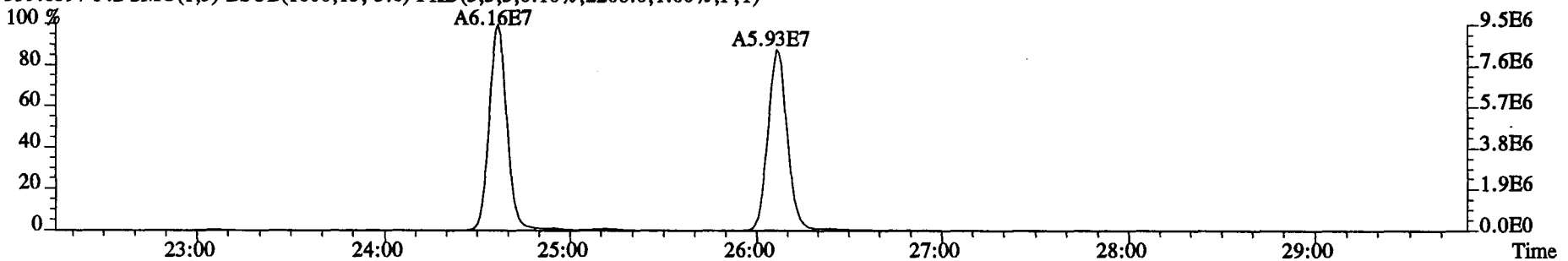




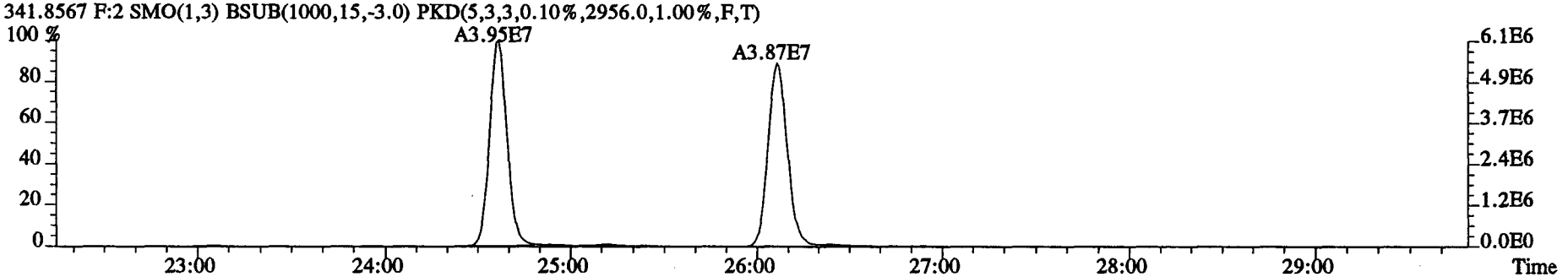




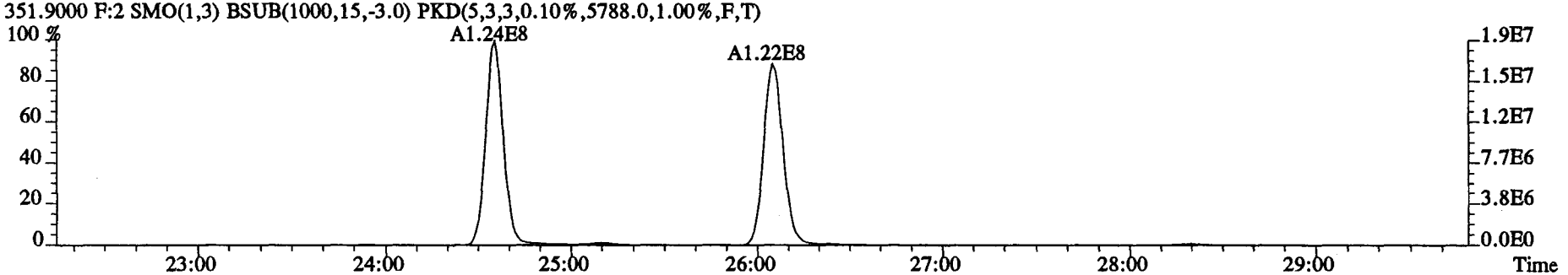
File:27AP104D5 #1-604 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2208.0,1.00%,F,T)



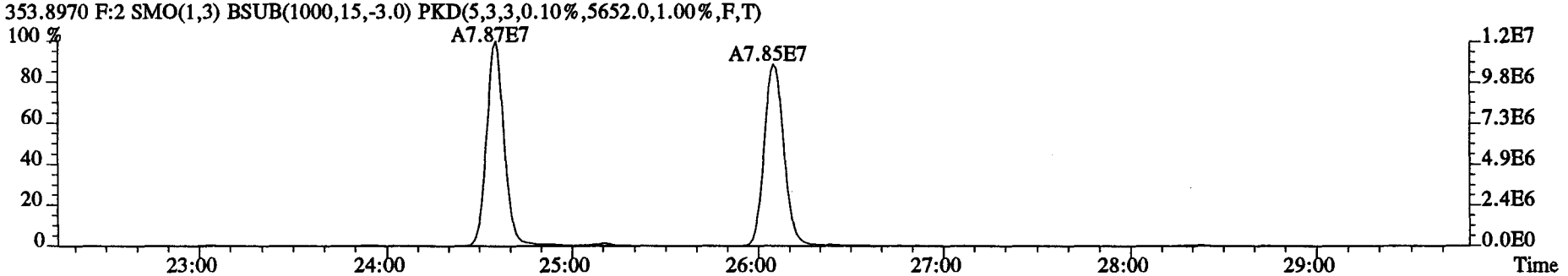
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2956.0,1.00%,F,T)



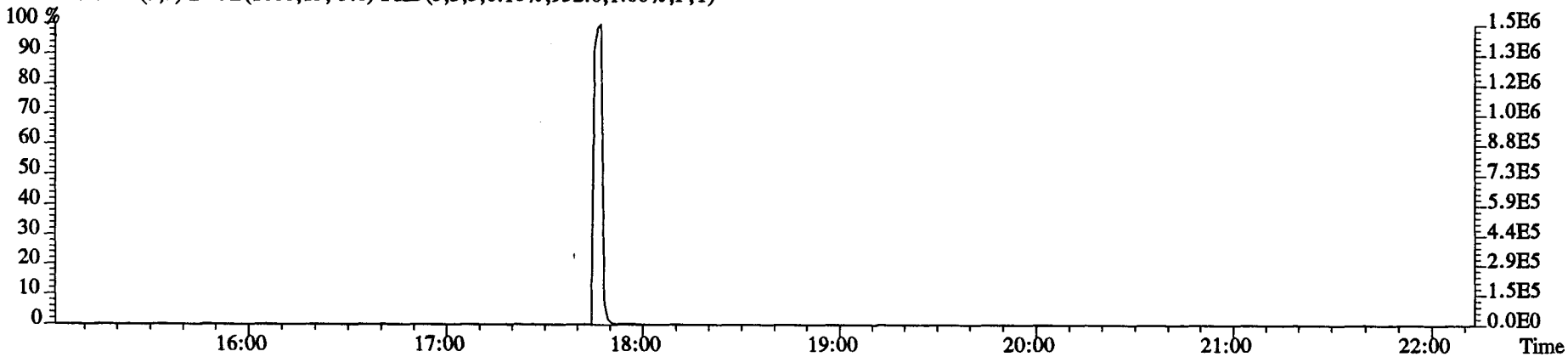
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5788.0,1.00%,F,T)



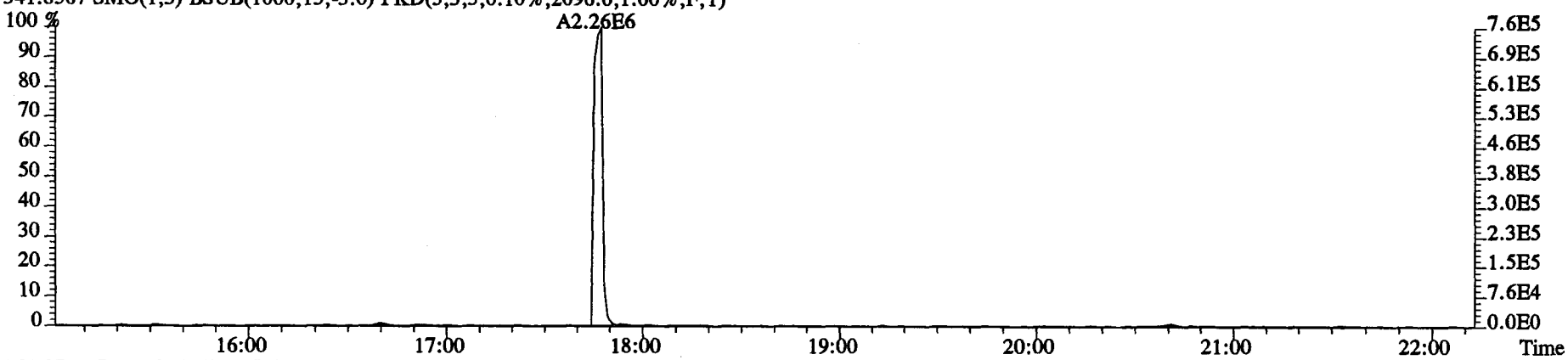
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5652.0,1.00%,F,T)



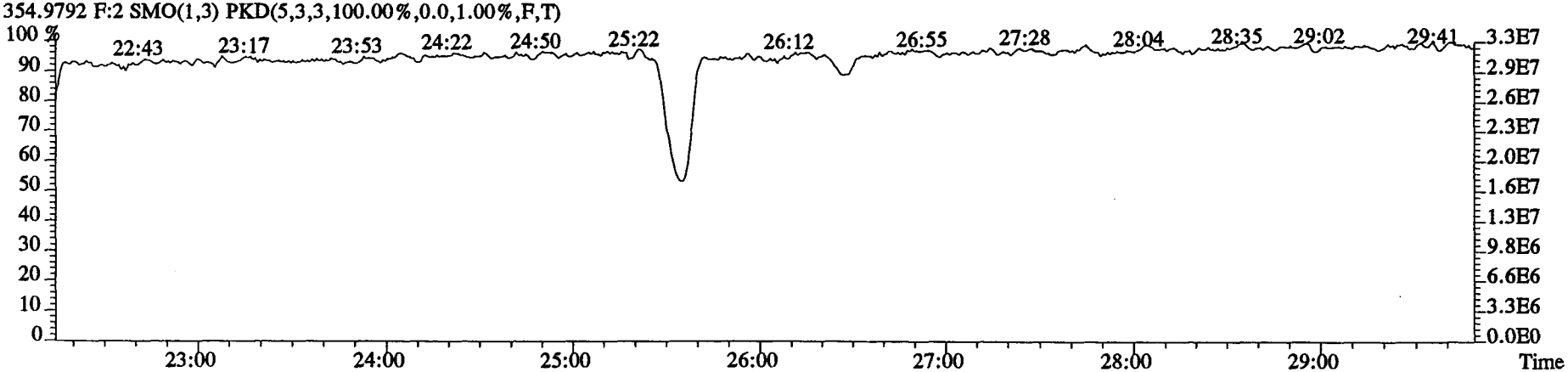
File:27AP104D5 #1-435 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,932.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)

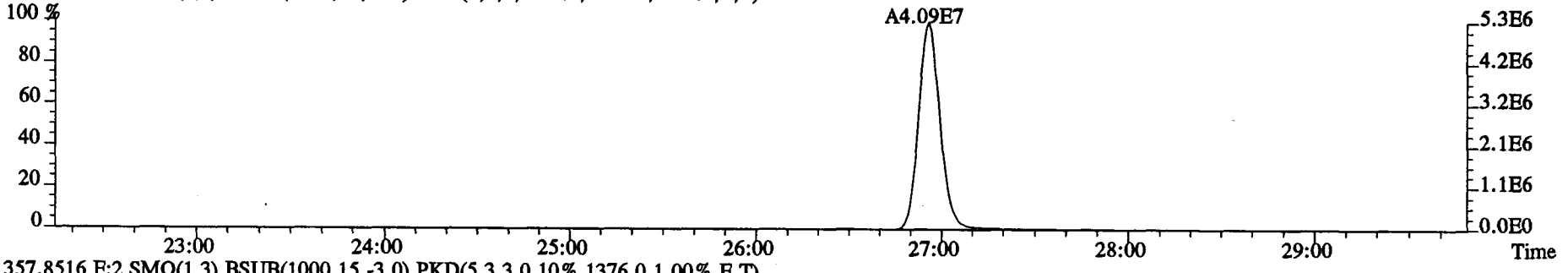


354.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

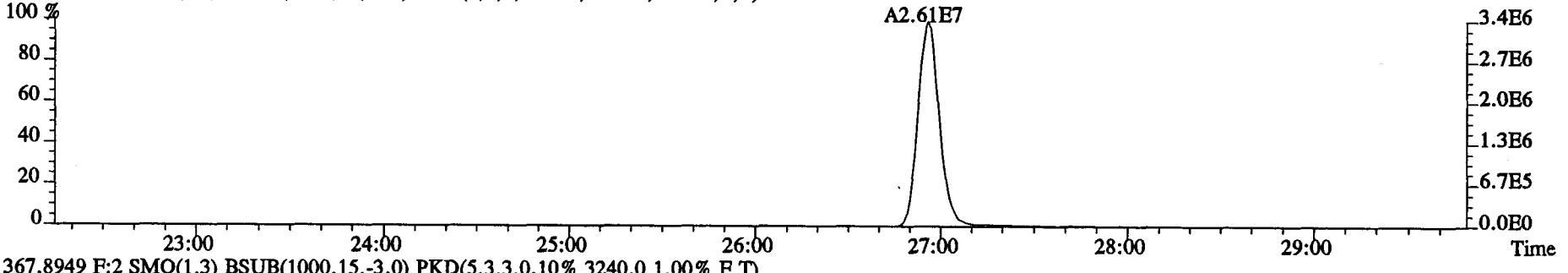


File:27AP104D5 #1-604 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

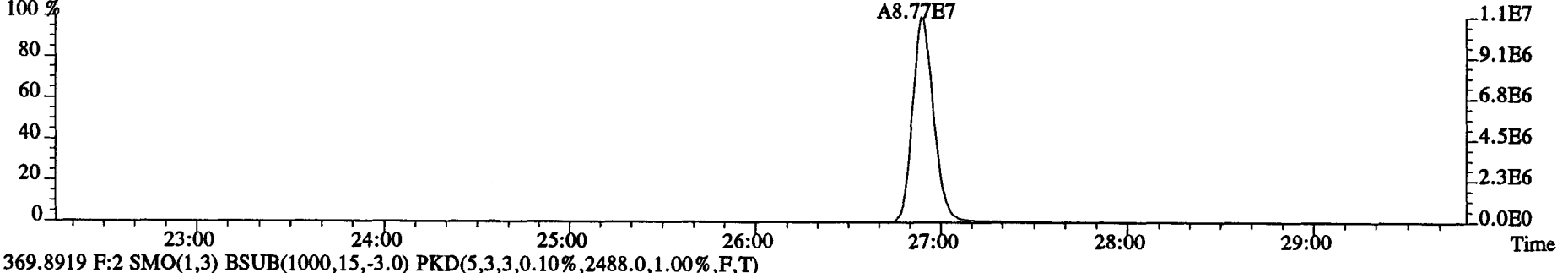
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2200.0,1.00%,F,T)



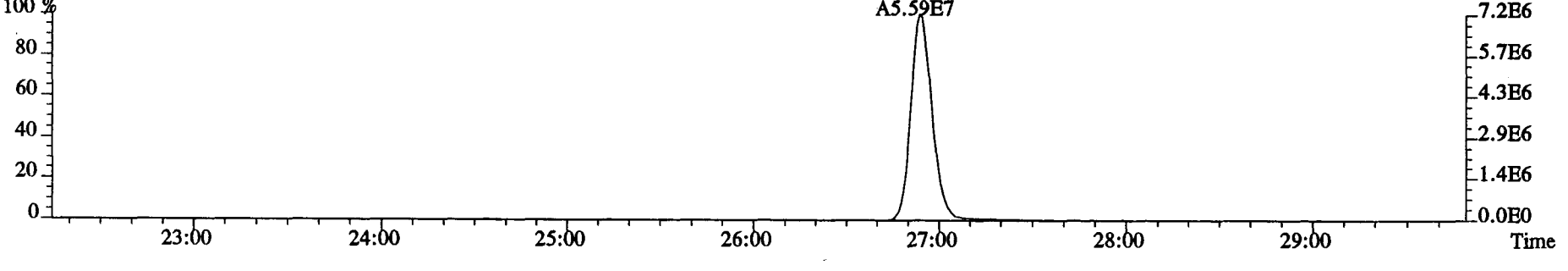
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1376.0,1.00%,F,T)



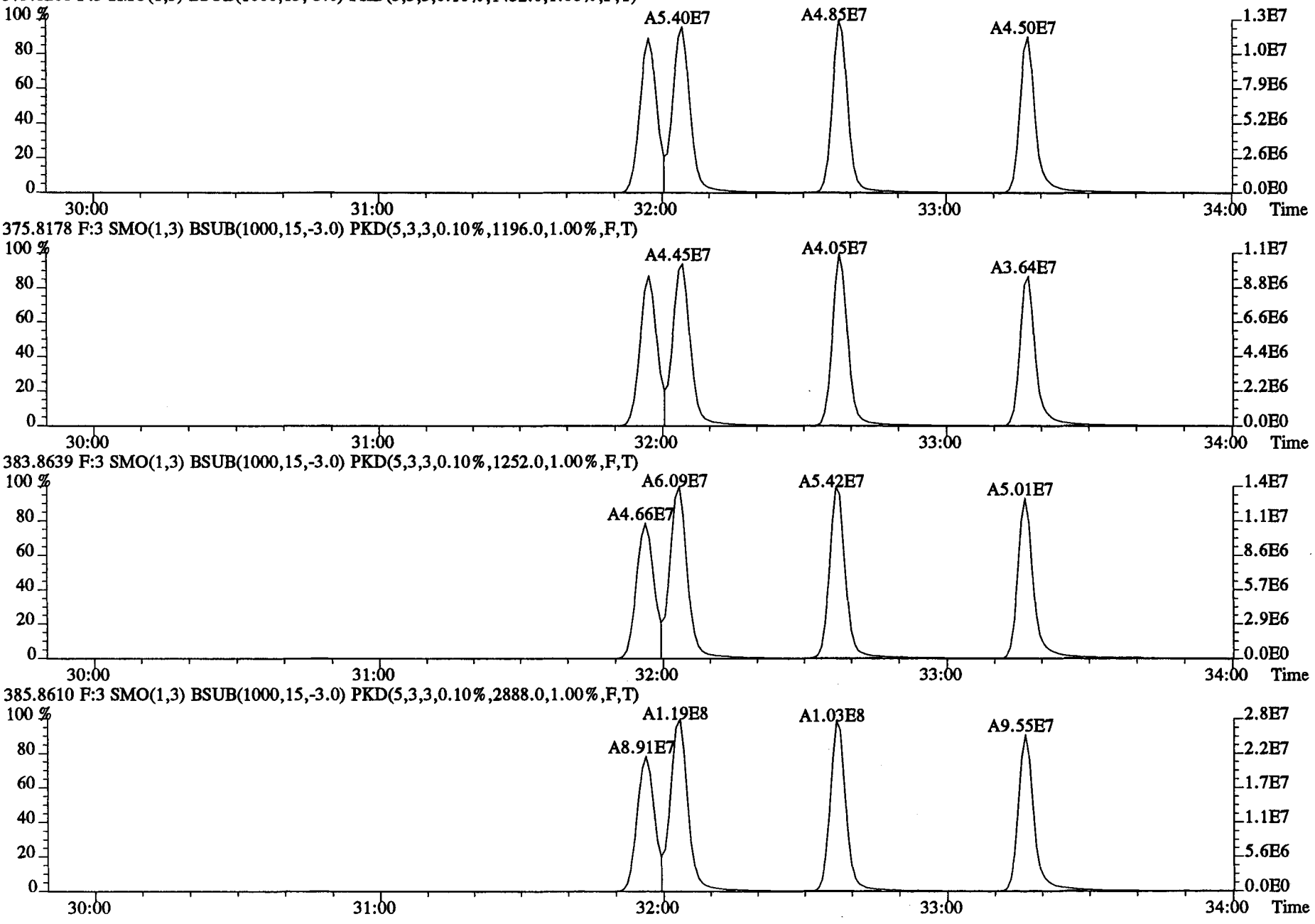
367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3240.0,1.00%,F,T)



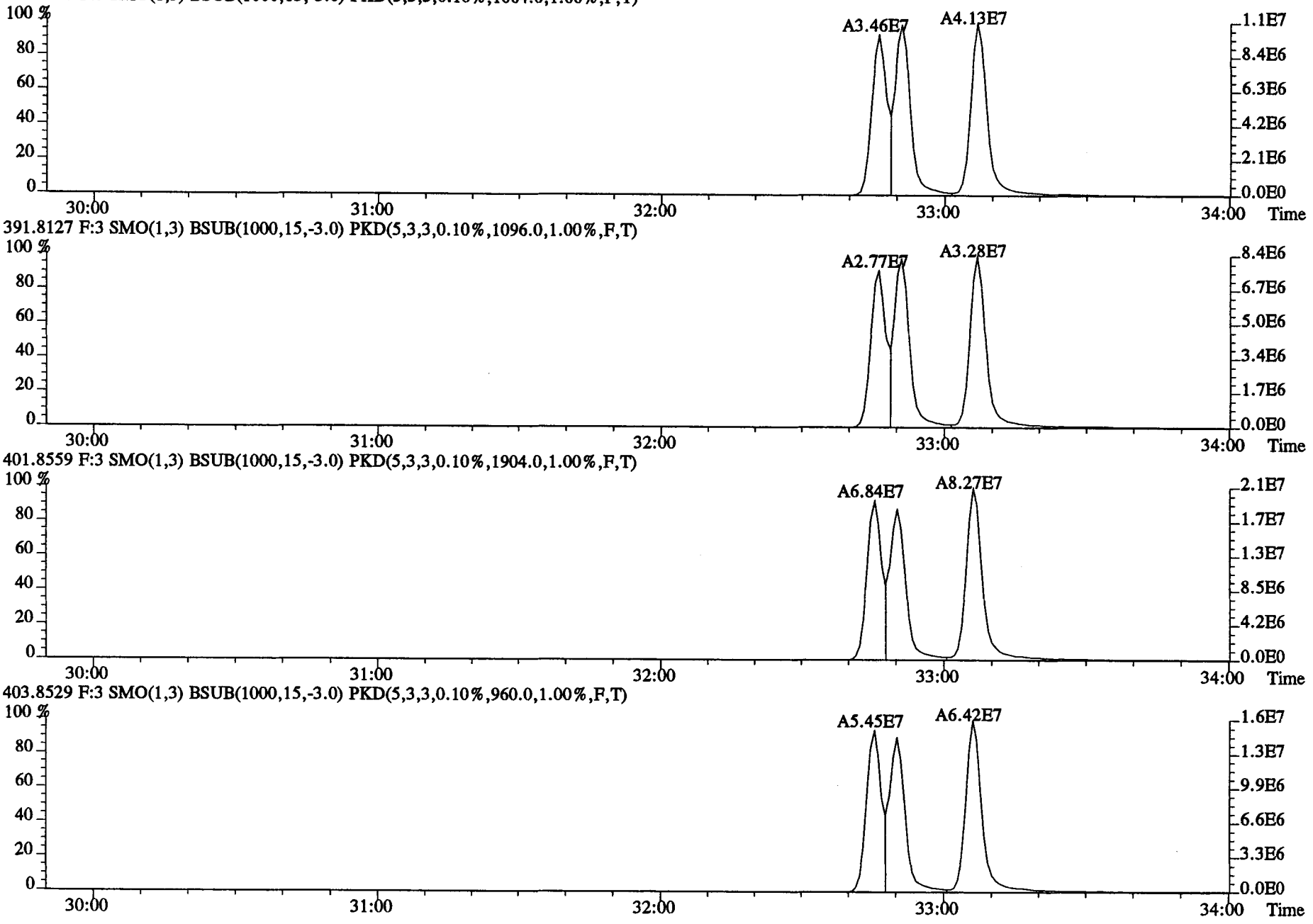
369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2488.0,1.00%,F,T)



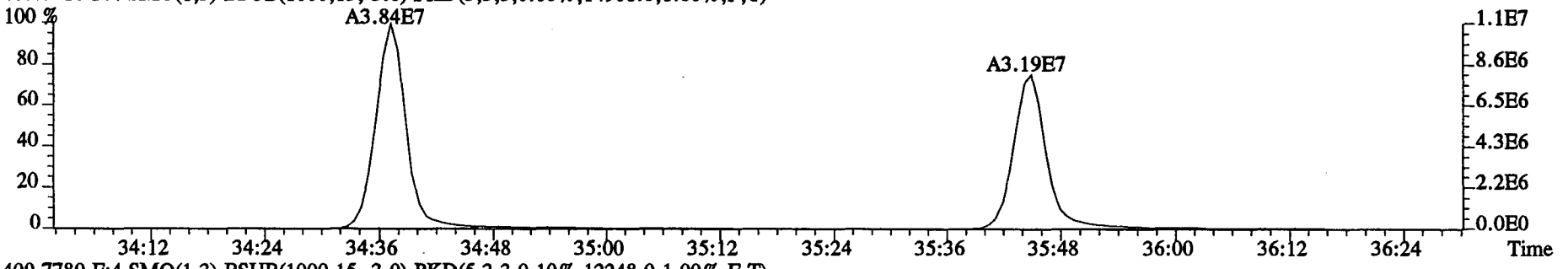
File:27AP104D5 #1-316 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

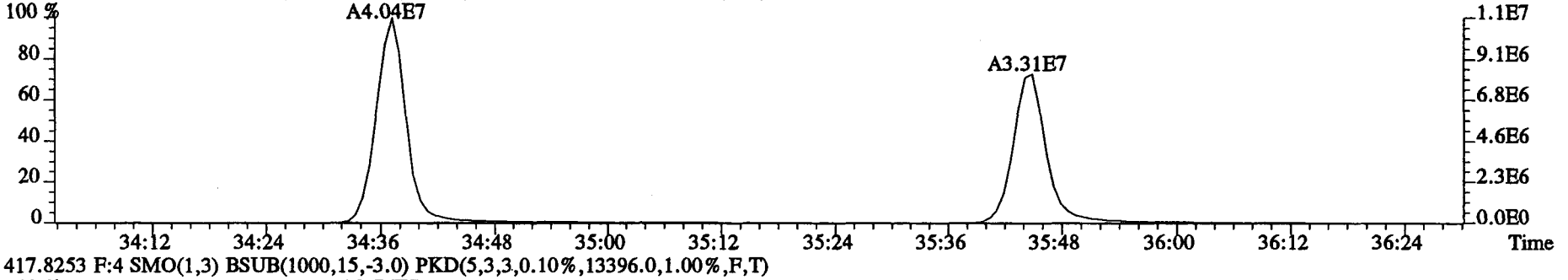


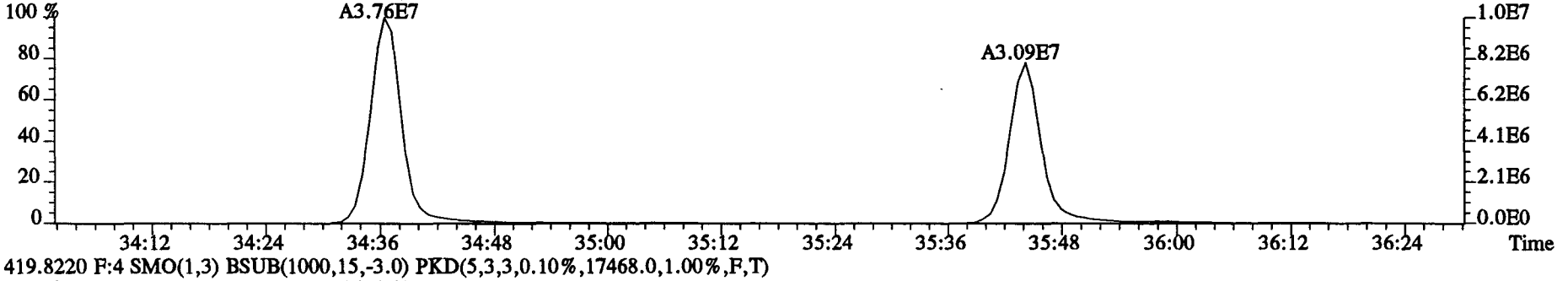
File:27AP104D5 #1-316 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

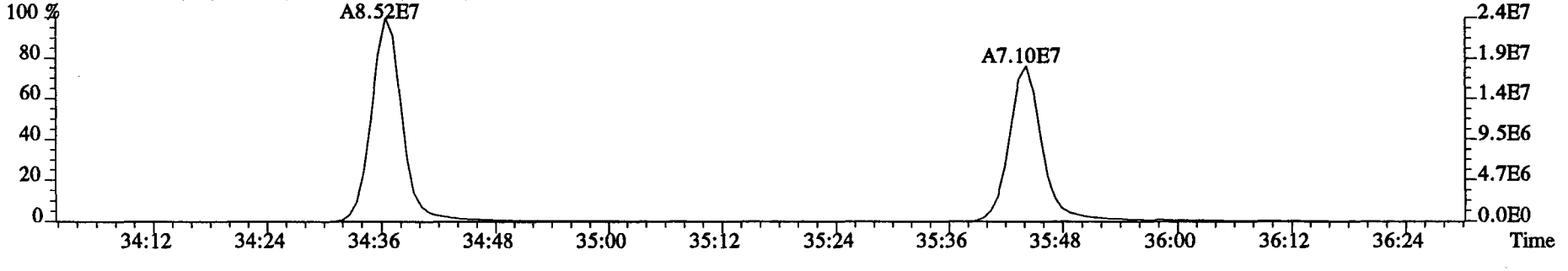


File:27AP104D5 #1-198 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

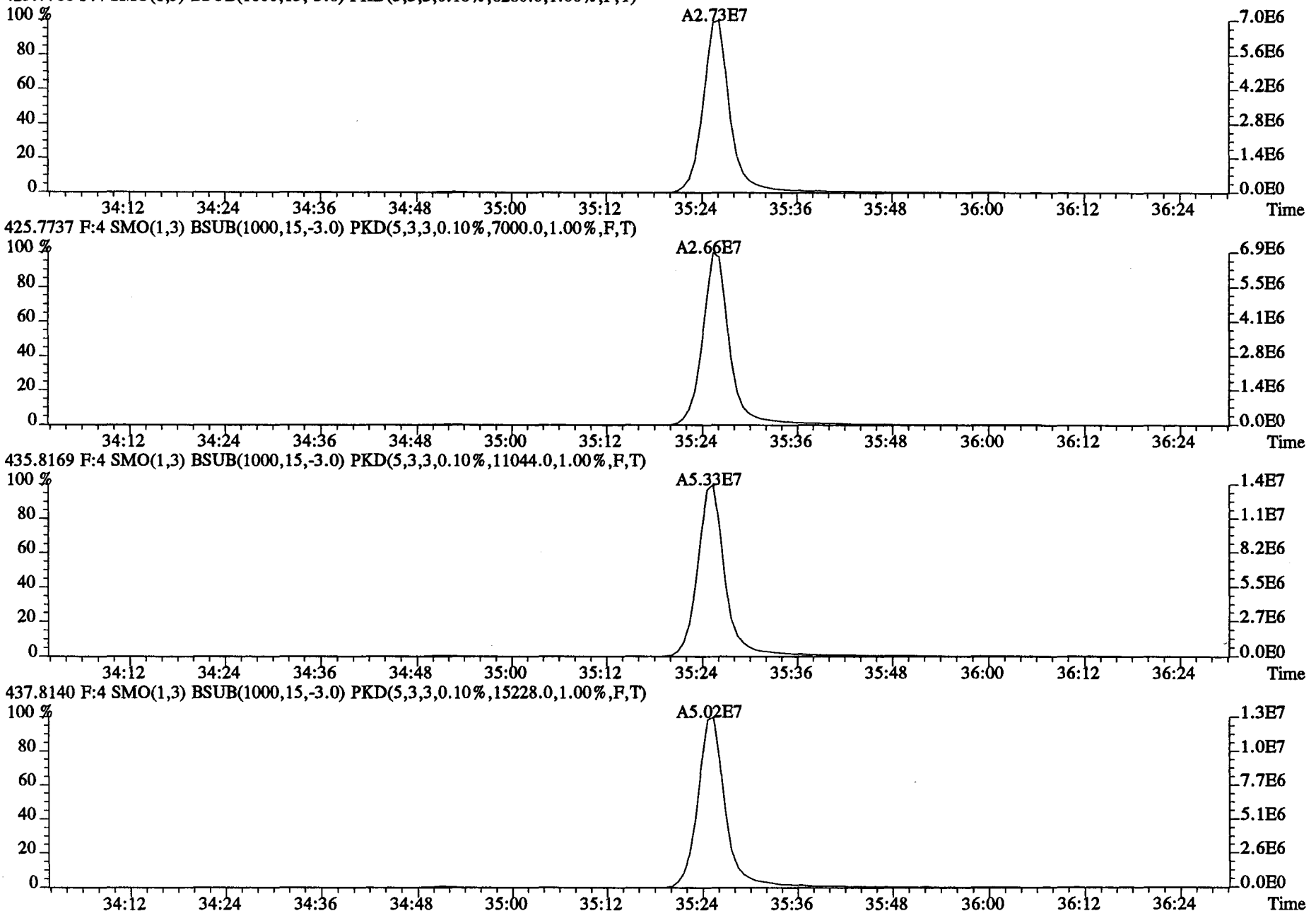




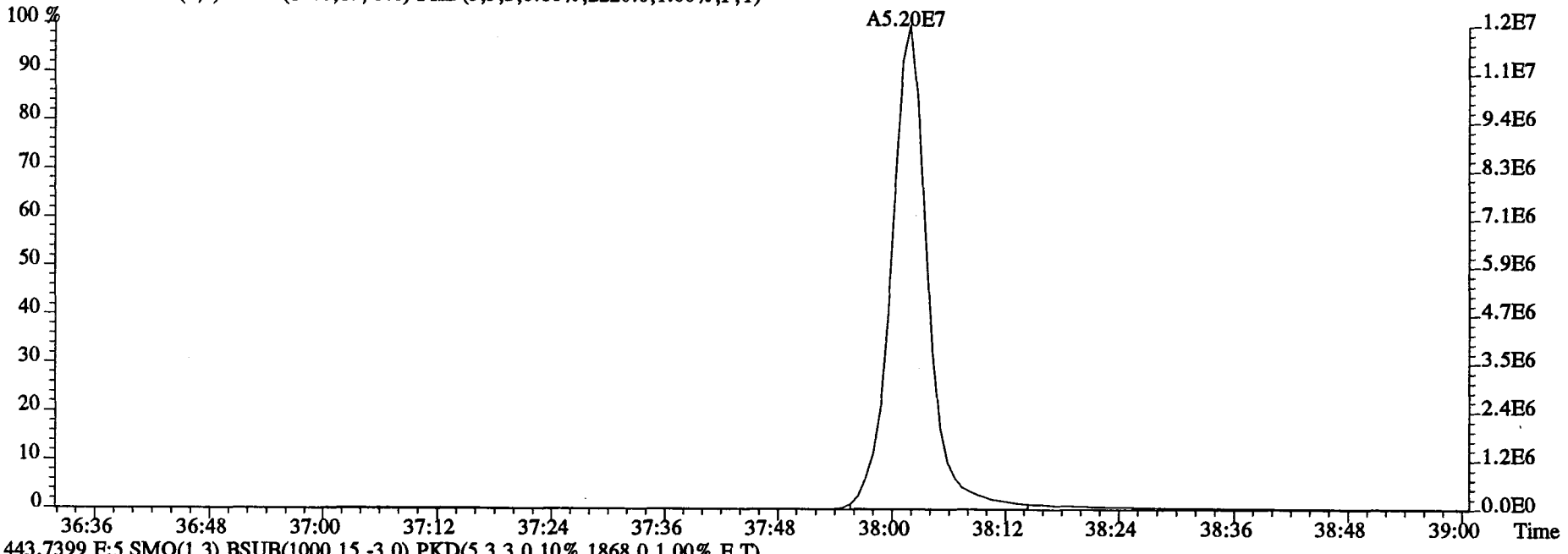




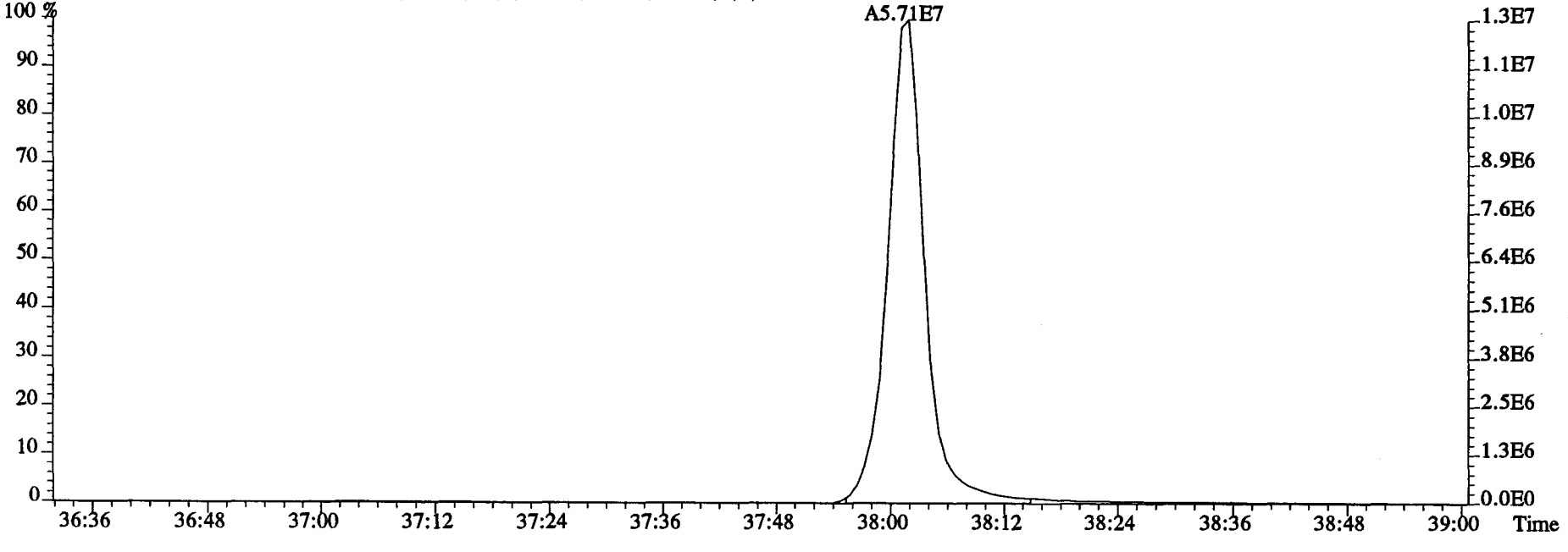
File:27AP104D5 #1-198 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A



File:27AP104D5 #1-191 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2220.0,1.00%,F,T)

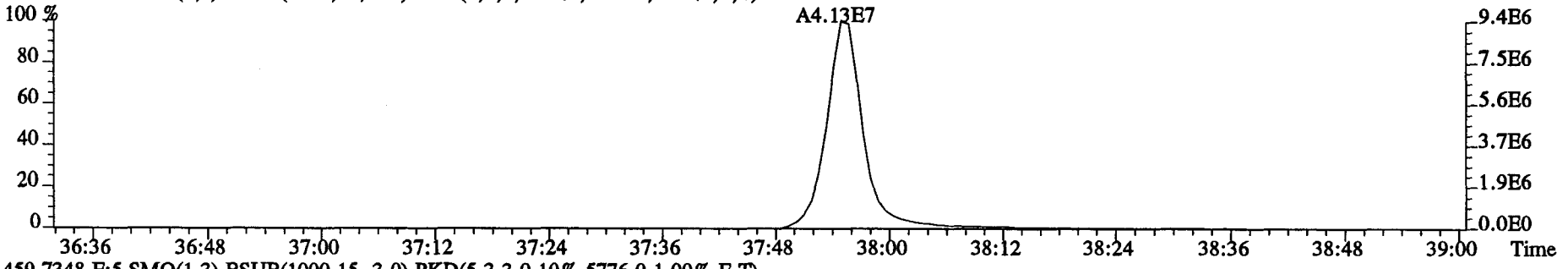


443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1868.0,1.00%,F,T)

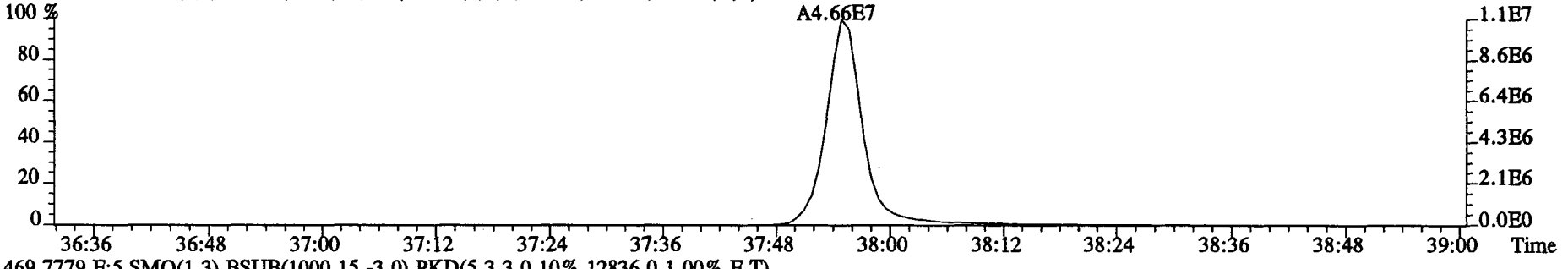


File:27AP104D5 #1-191 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

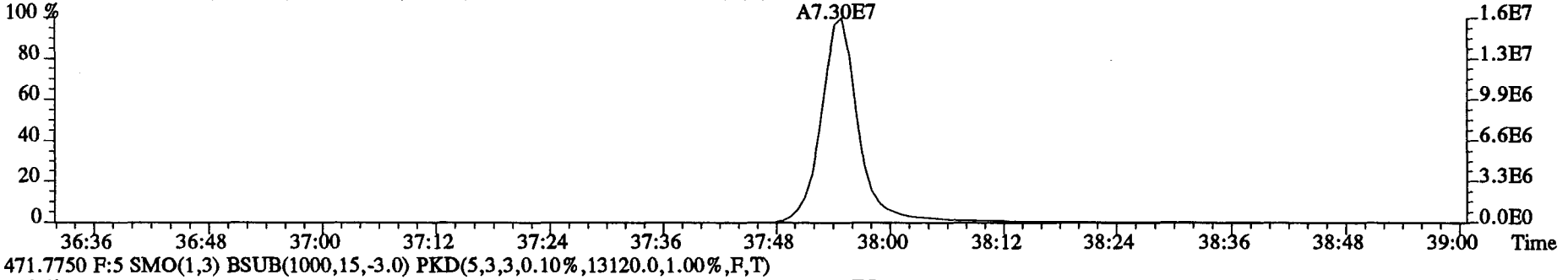
457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3584.0,1.00%,F,T)



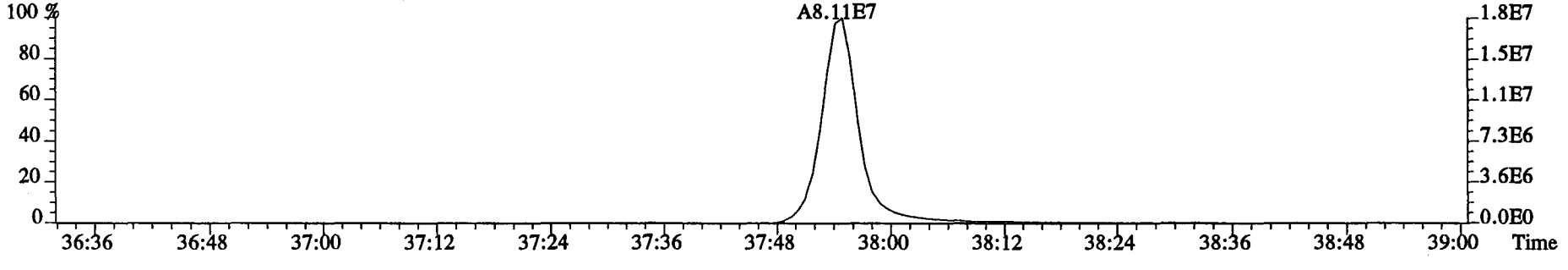
459.7348 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5776.0,1.00%,F,T)



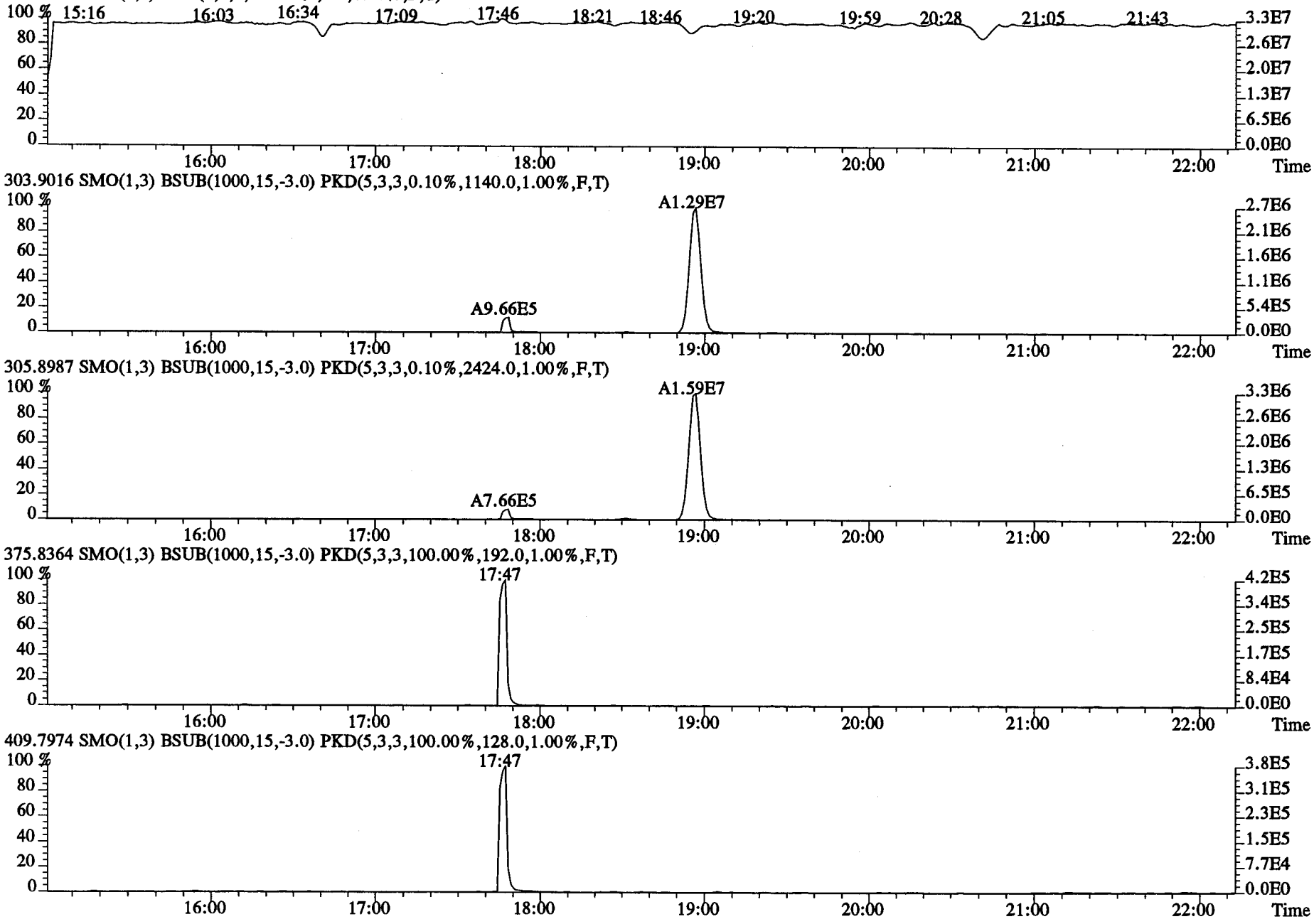
469.7779 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12836.0,1.00%,F,T)



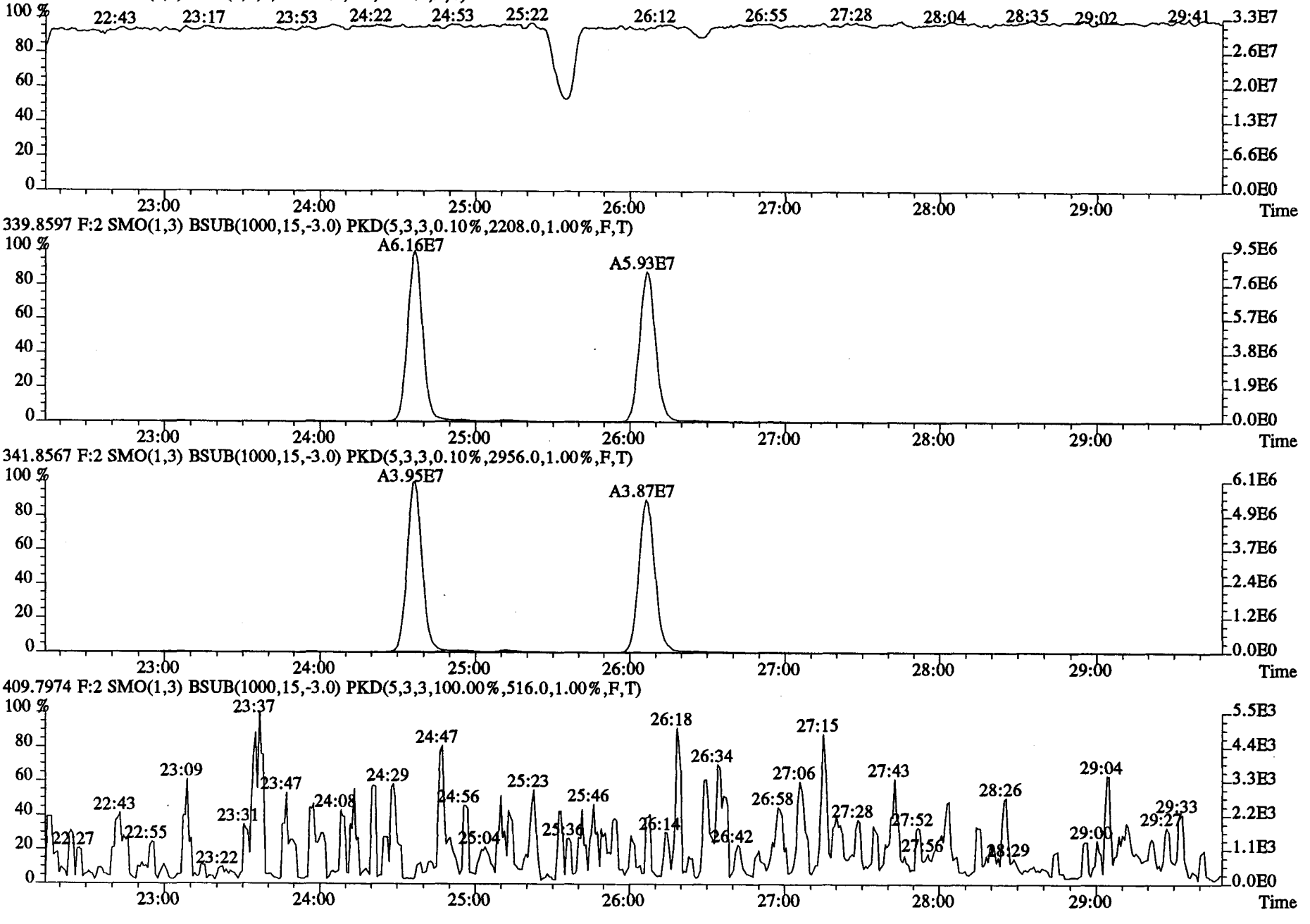
471.7750 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13120.0,1.00%,F,T)



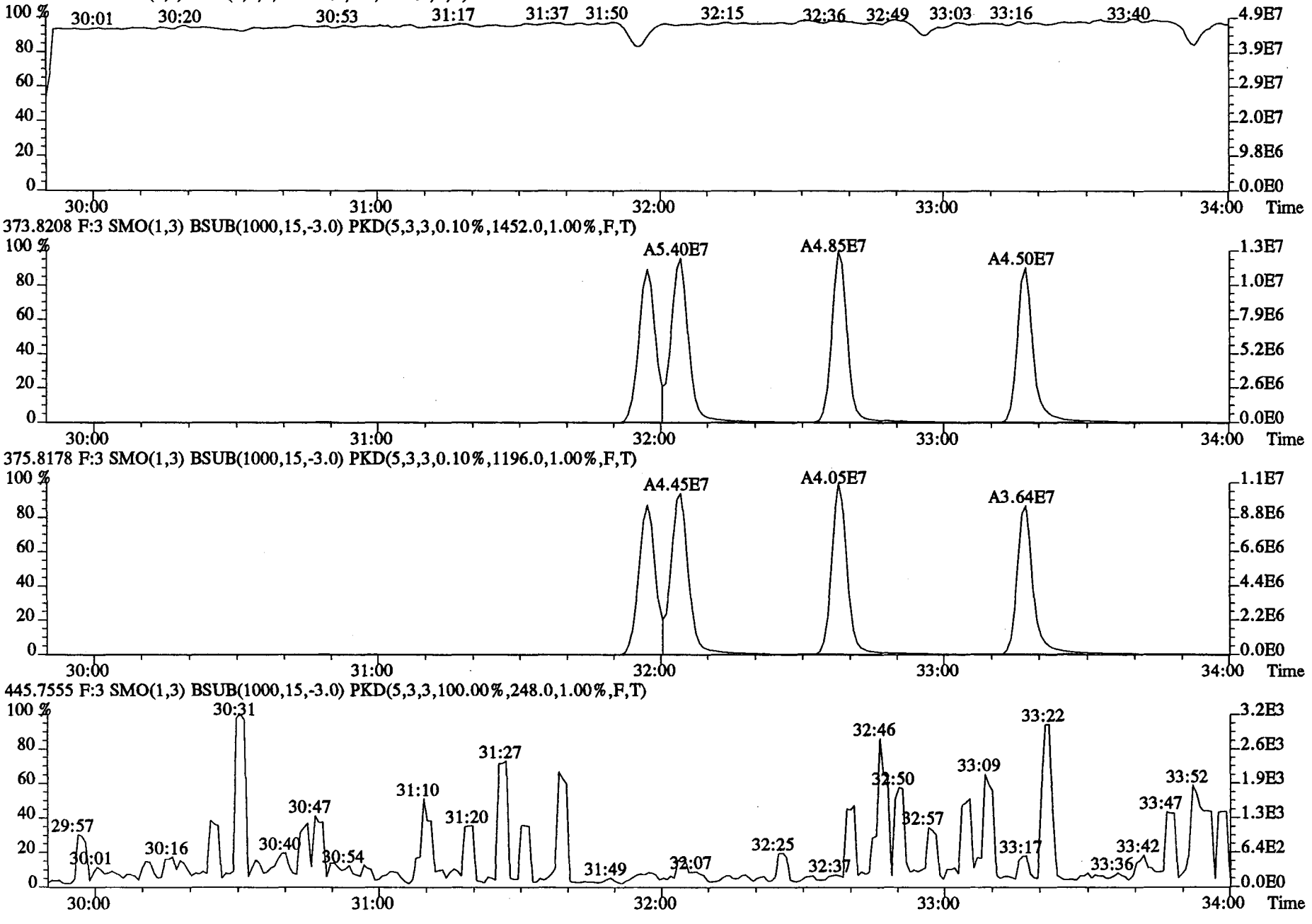
File:27AP104D5 #1-435 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A



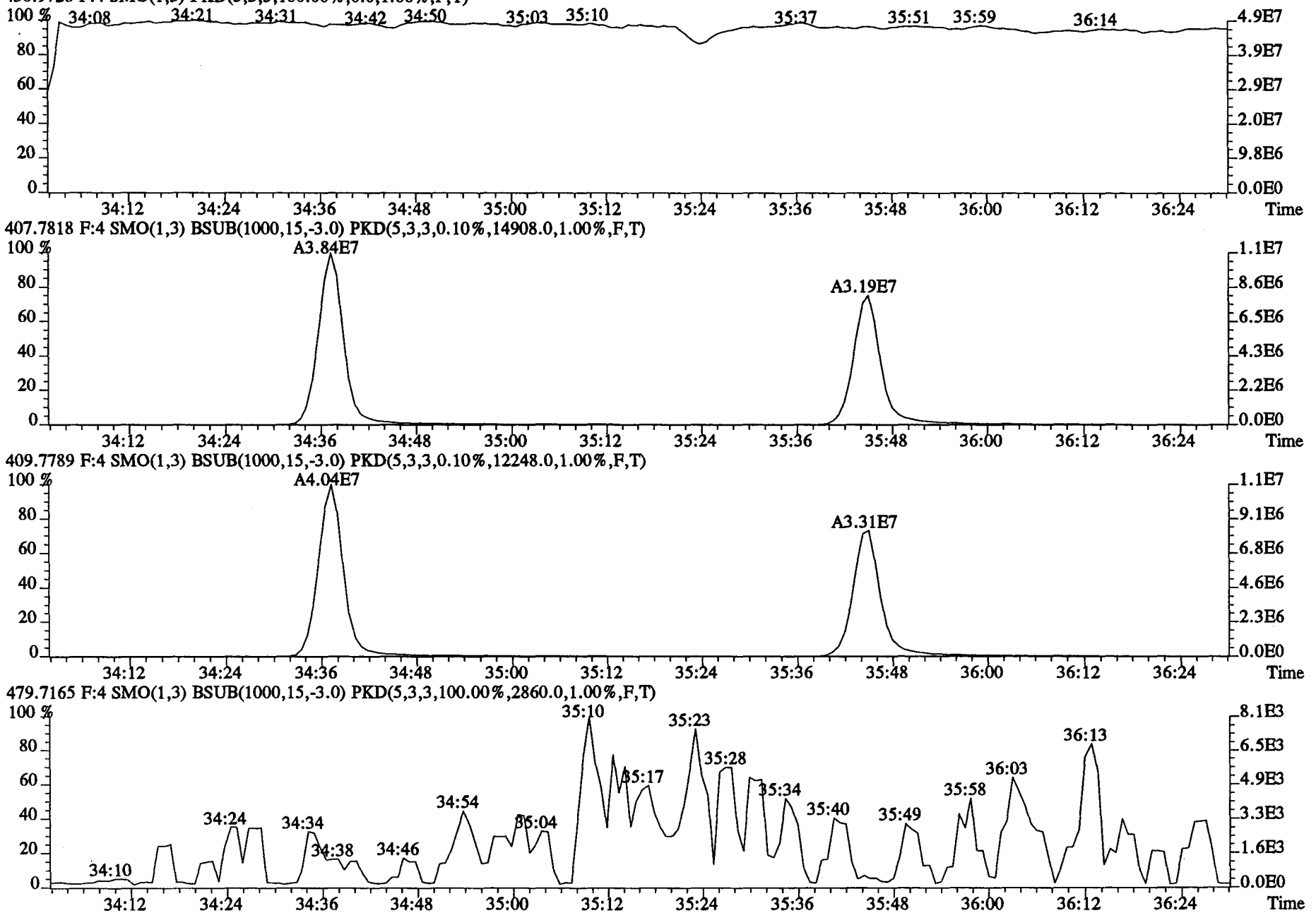
File:27AP104D5 #1-604 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A



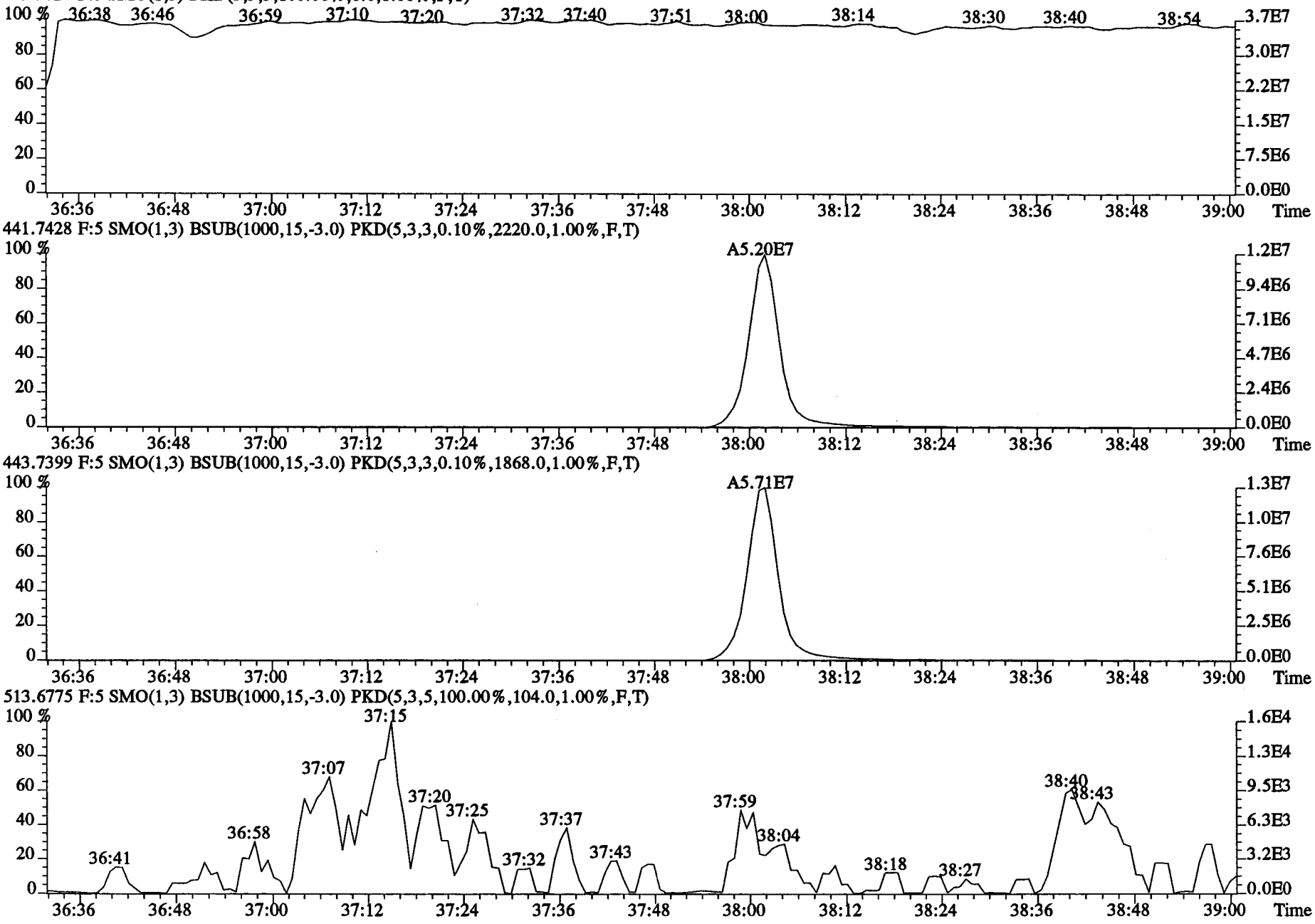
File:27AP104D5 #1-316 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A



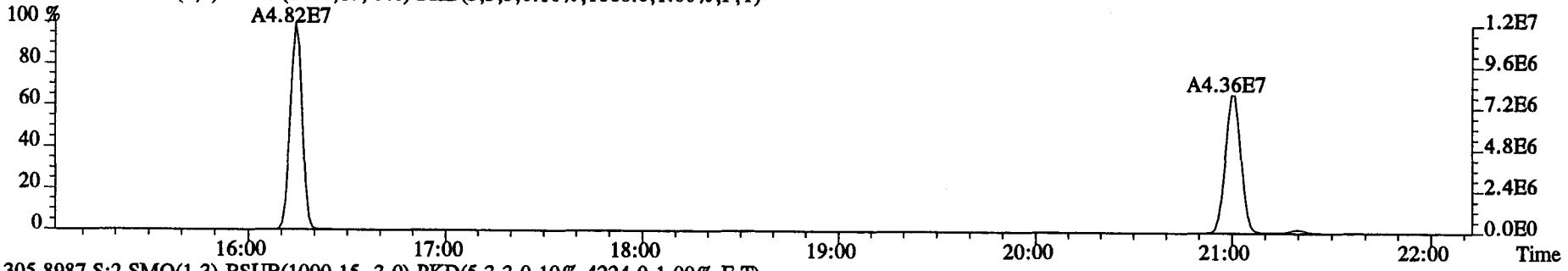
File:27AP104D5 #1-198 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

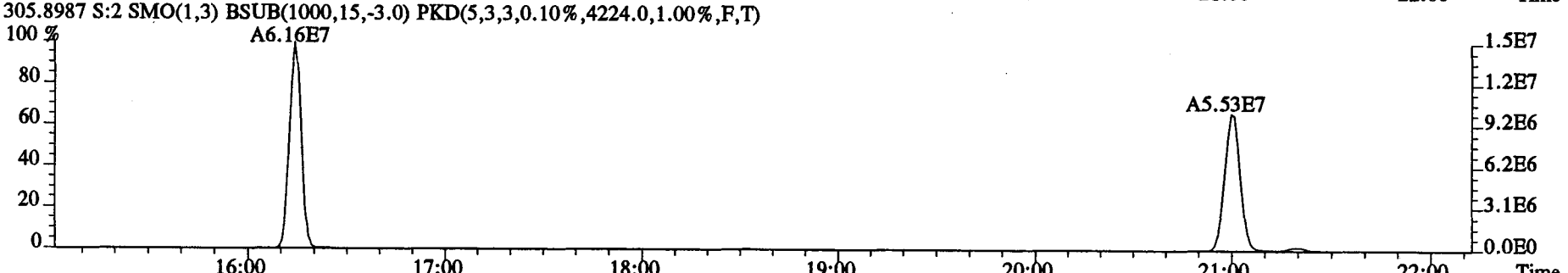


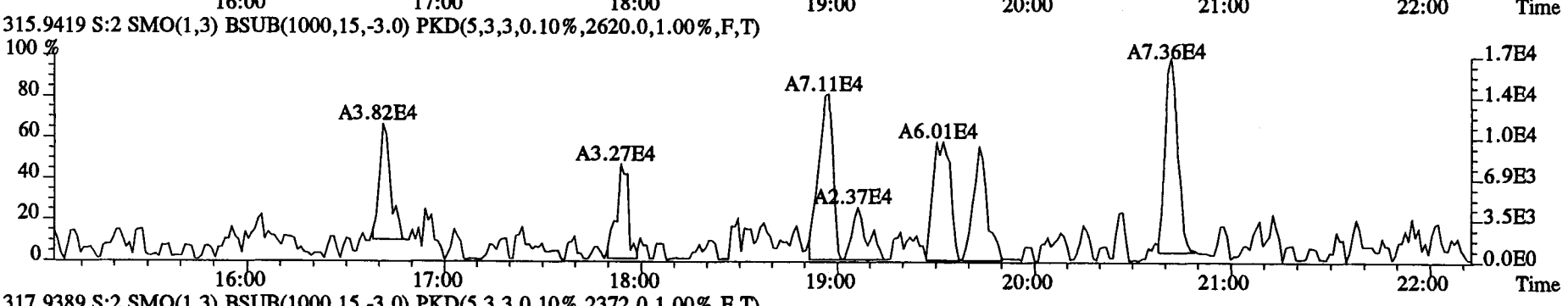
File:27AP104D5 #1-191 Acq:27-APR-2010 11:48:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:ST0427 :CS3 10DXN083 Exp:DIOXINRES8290A

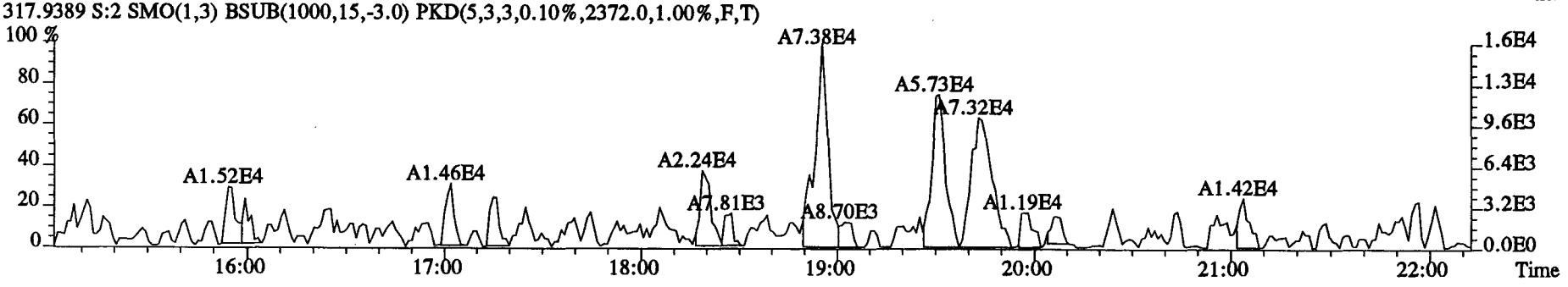


File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



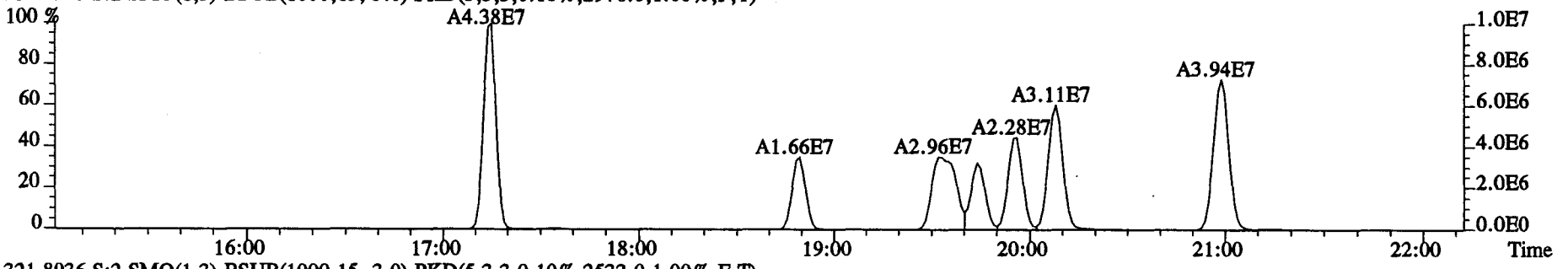




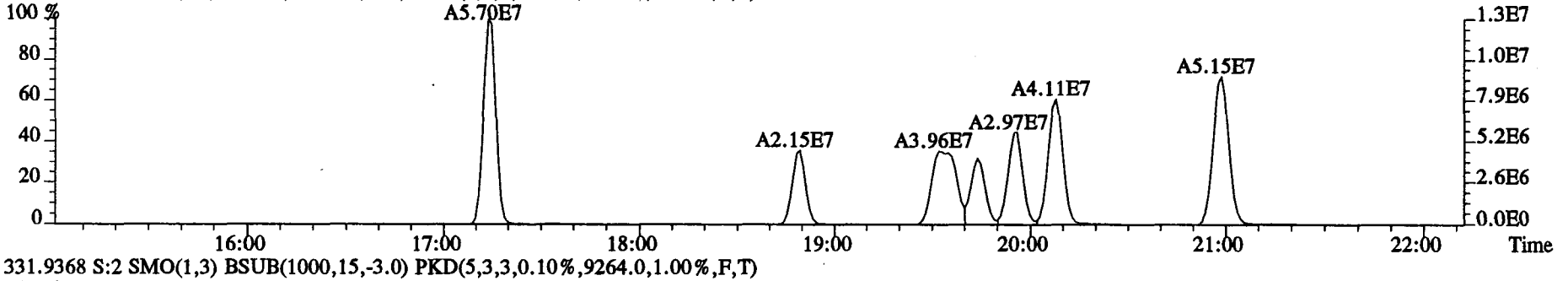


File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

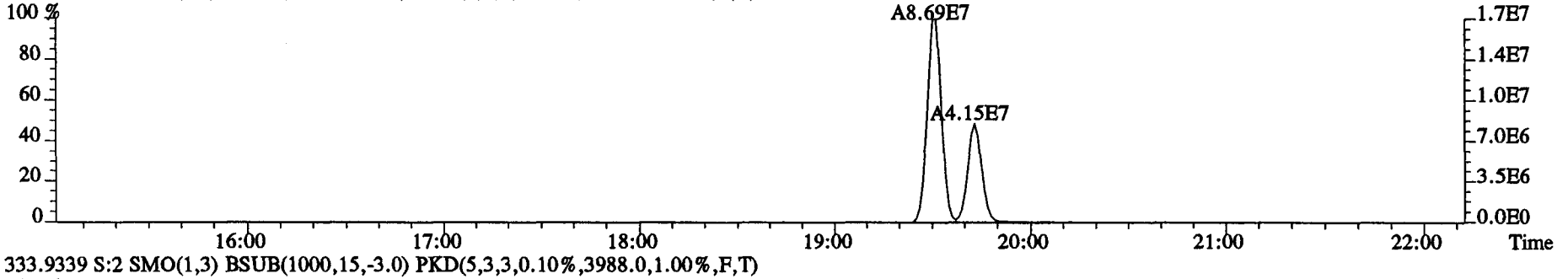
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2976.0,1.00%,F,T)



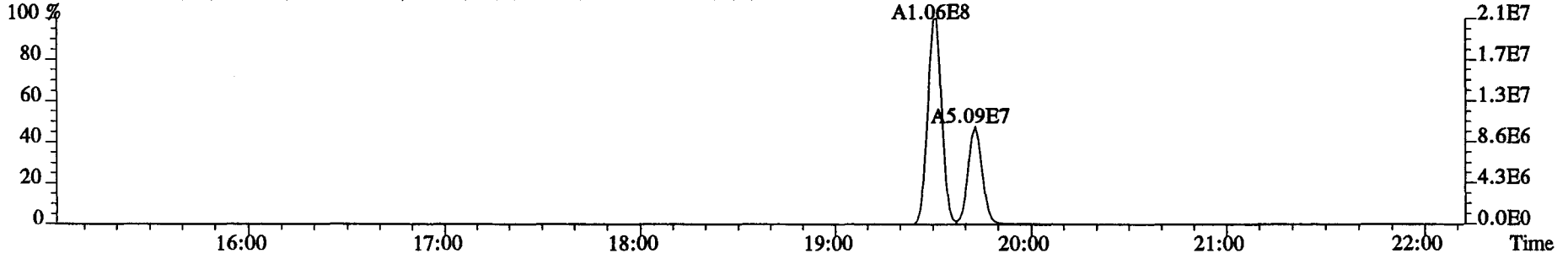
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2532.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9264.0,1.00%,F,T)

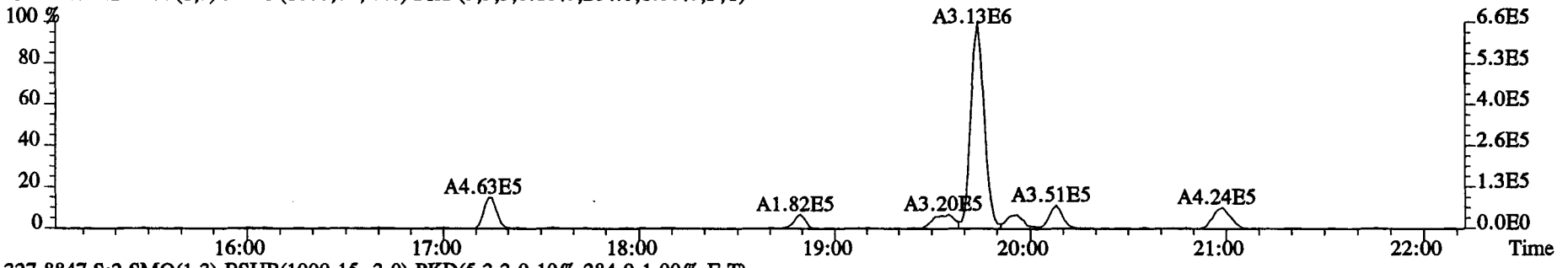


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3988.0,1.00%,F,T)

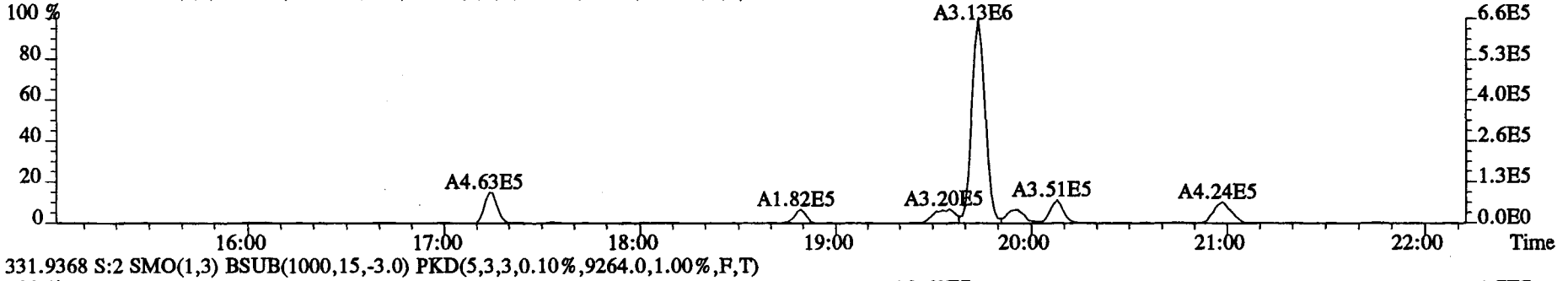


File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

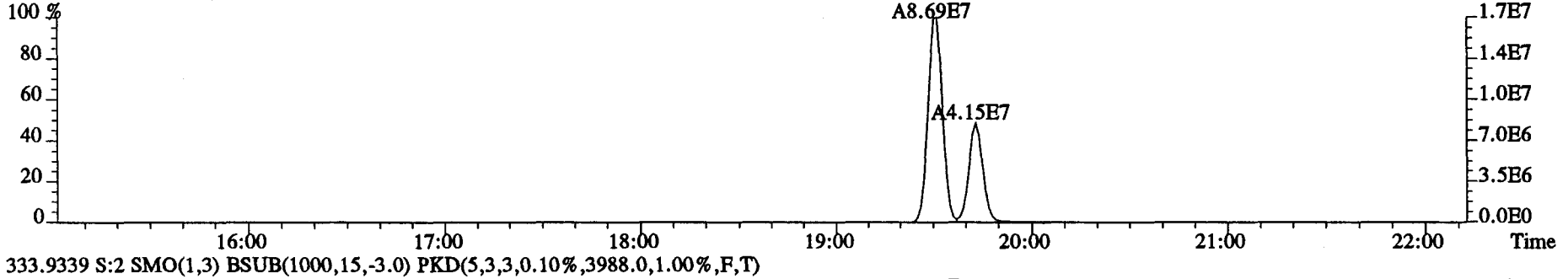
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,284.0,1.00%,F,T)



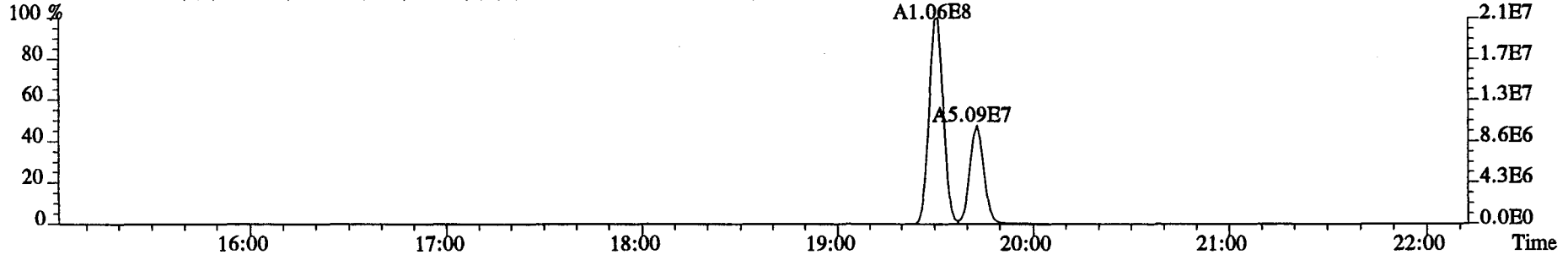
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,284.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9264.0,1.00%,F,T)

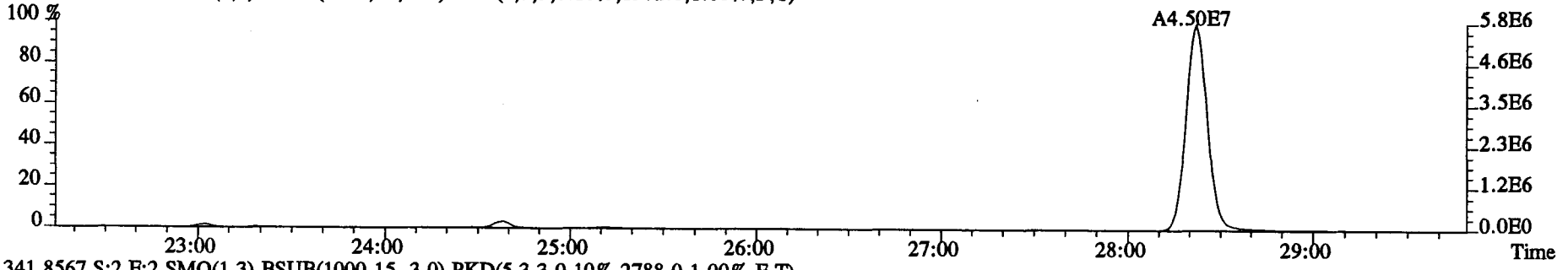


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3988.0,1.00%,F,T)

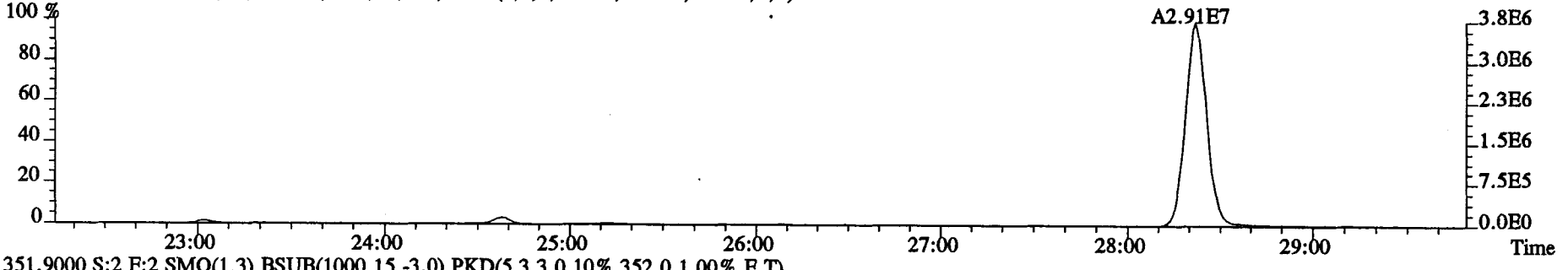


File:27AP104D5 #1-605 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

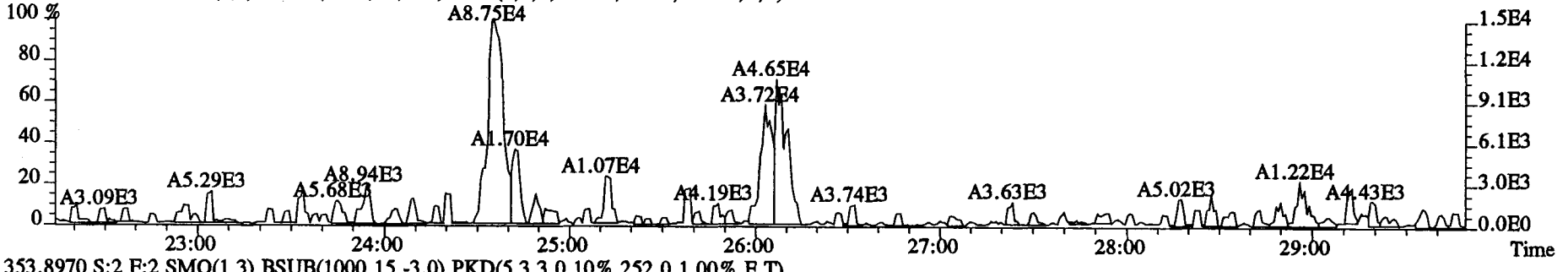
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1972.0,1.00%,F,T)



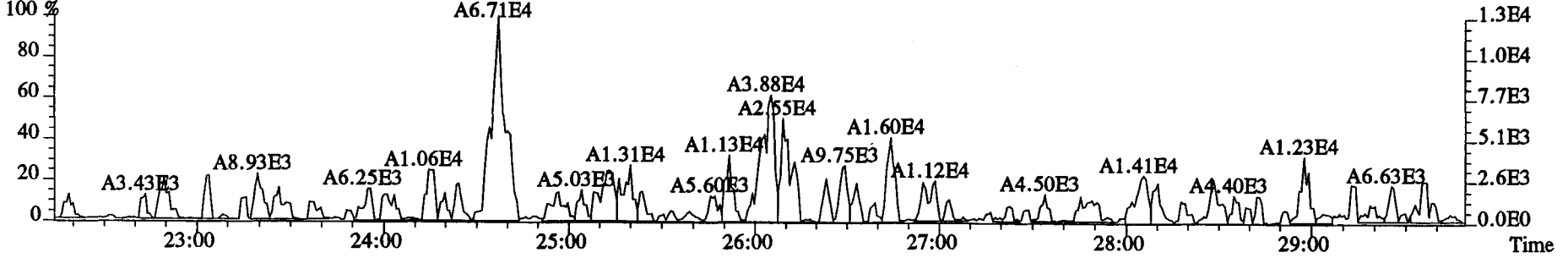
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2788.0,1.00%,F,T)



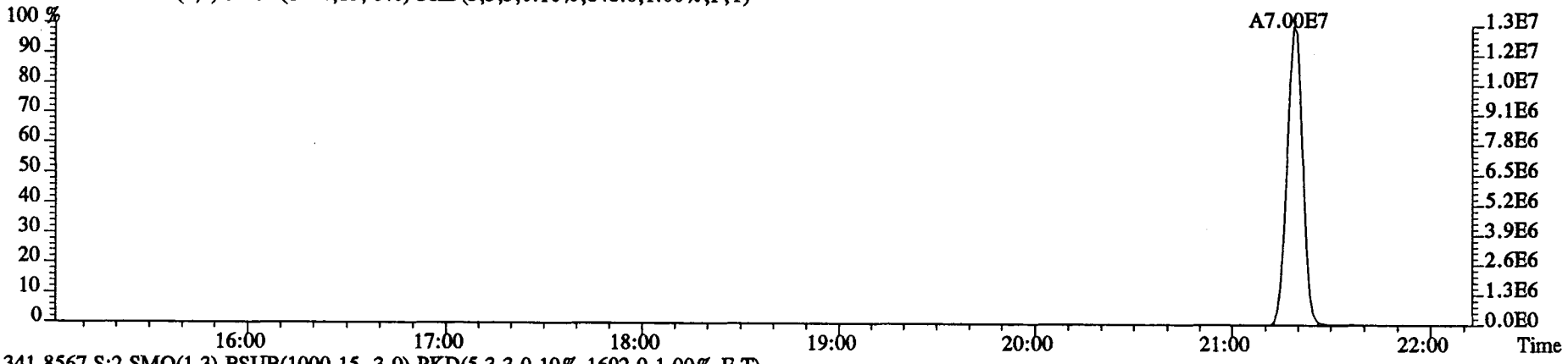
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,352.0,1.00%,F,T)



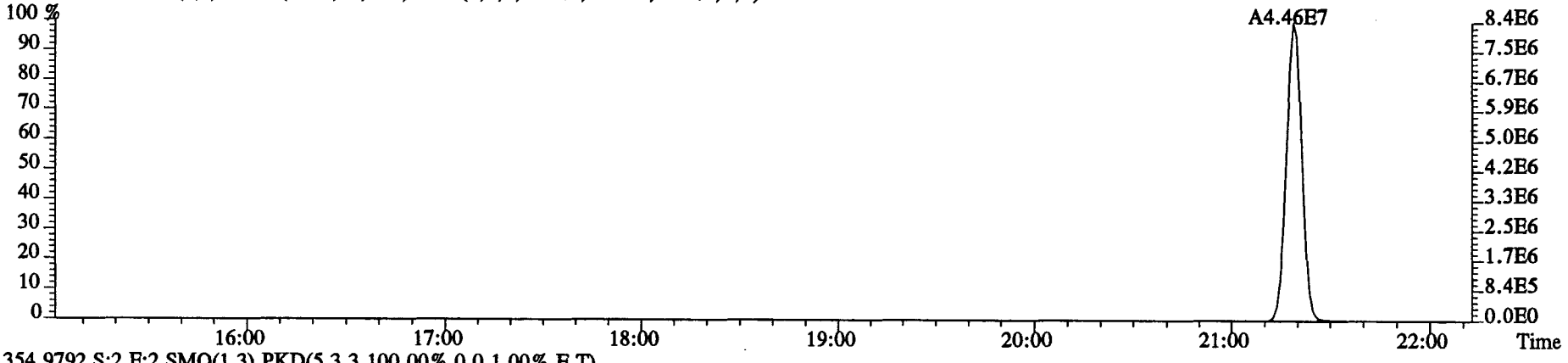
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,252.0,1.00%,F,T)



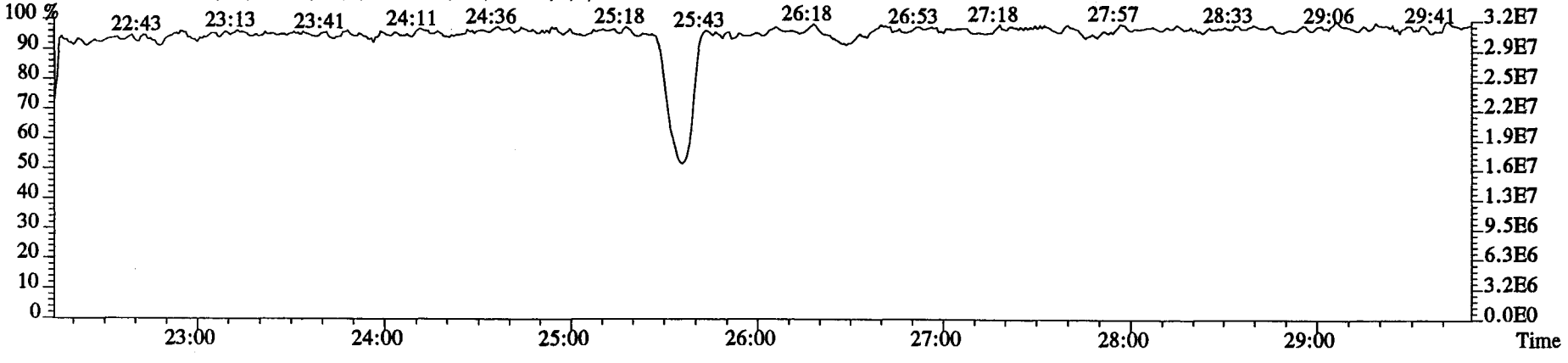
File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



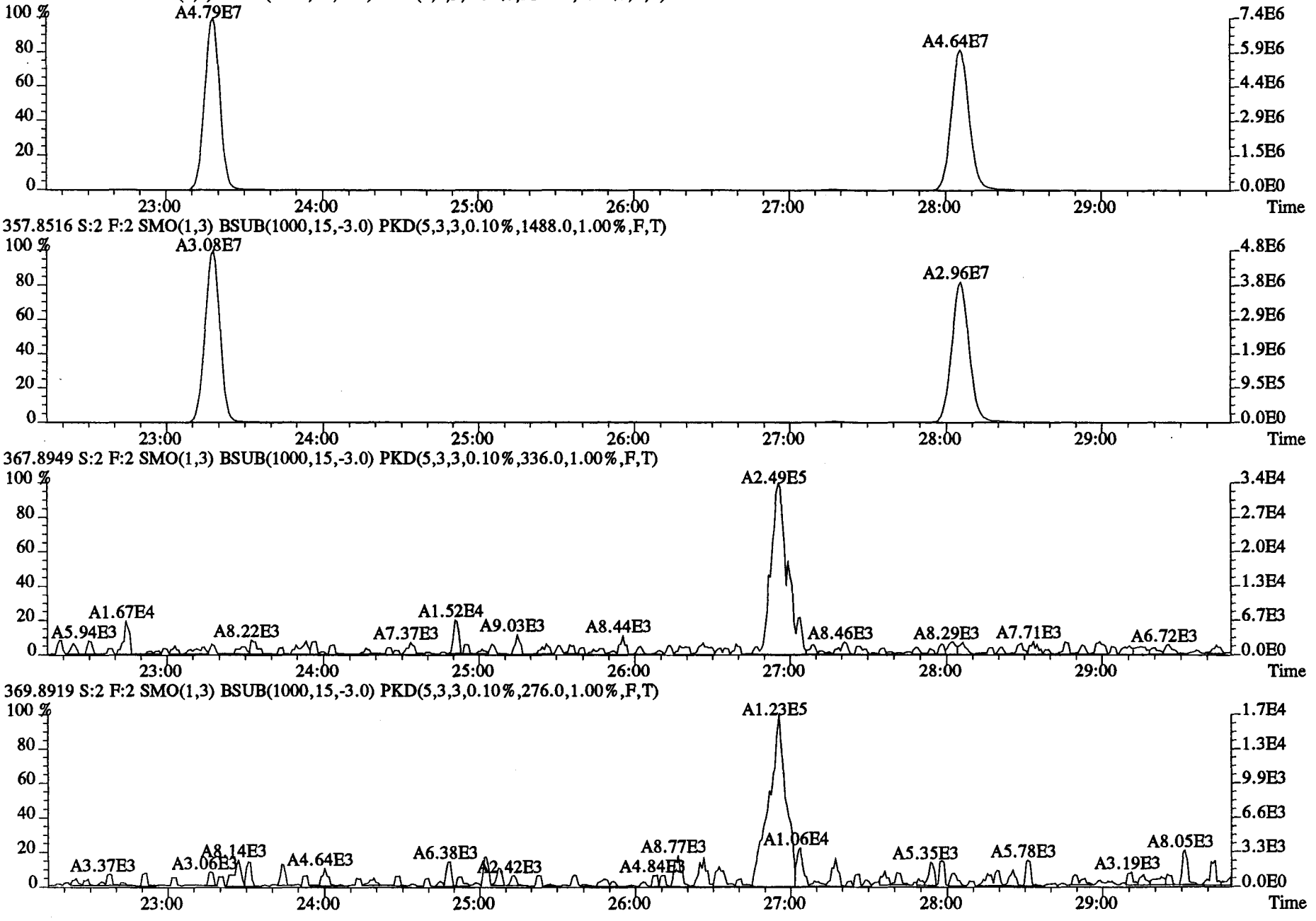
341.8567 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1692.0,1.00%,F,T)



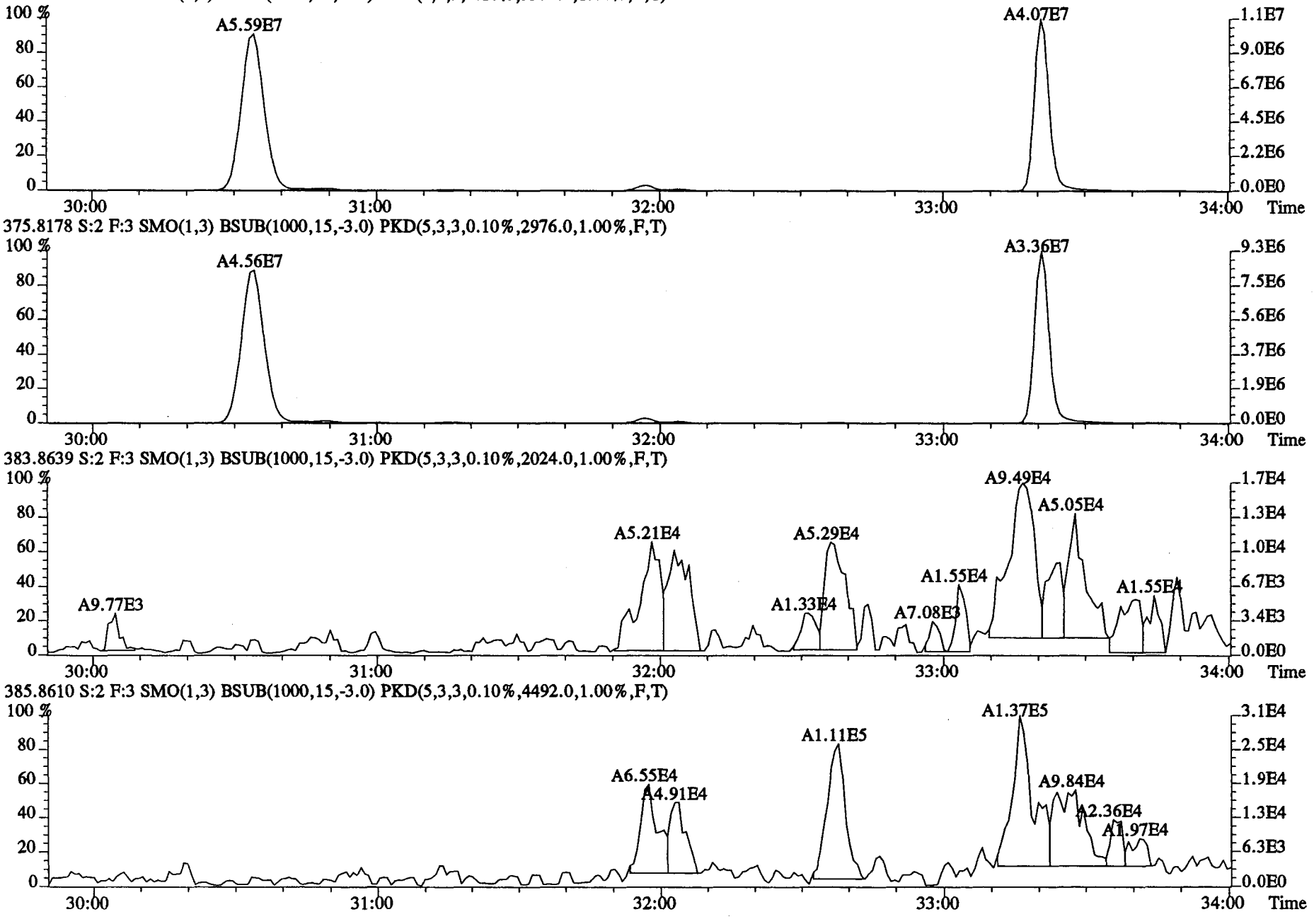
354.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



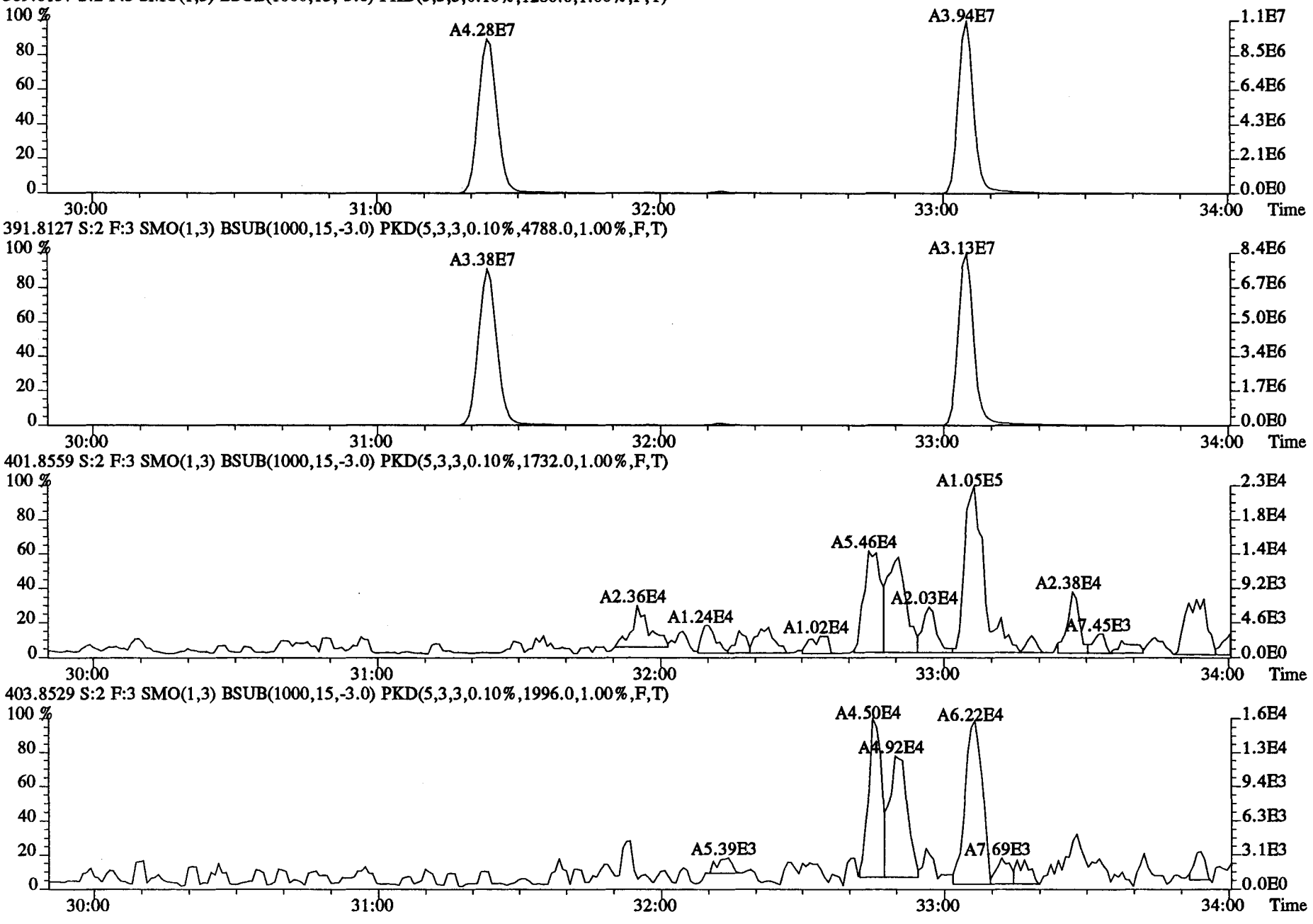
File:27AP104D5 #1-605 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



File:27AP104D5 #1-316 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

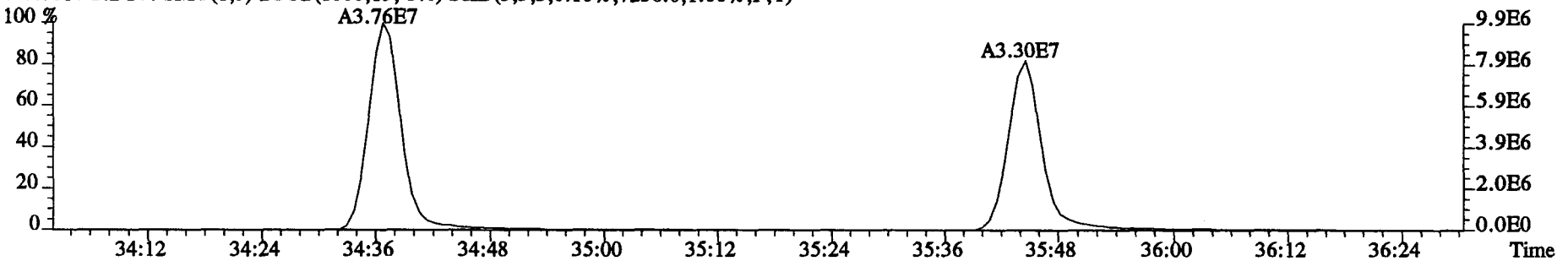


File:27AP104D5 #1-316 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

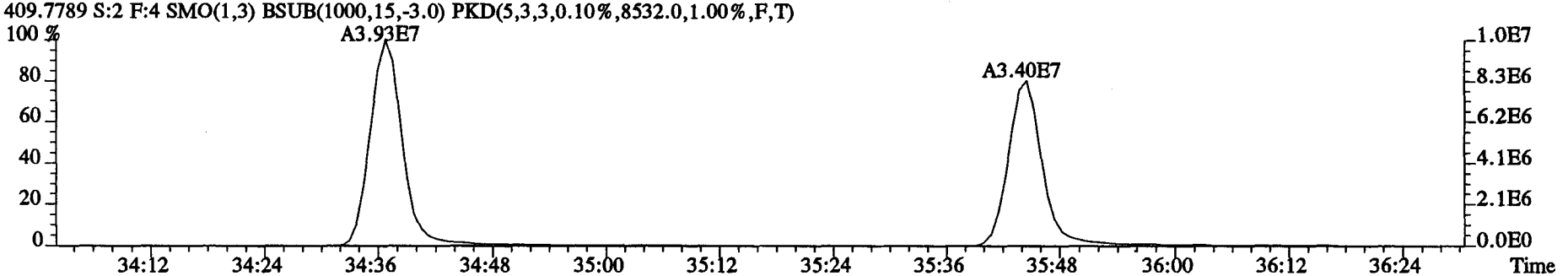


File:27AP104D5 #1-198 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

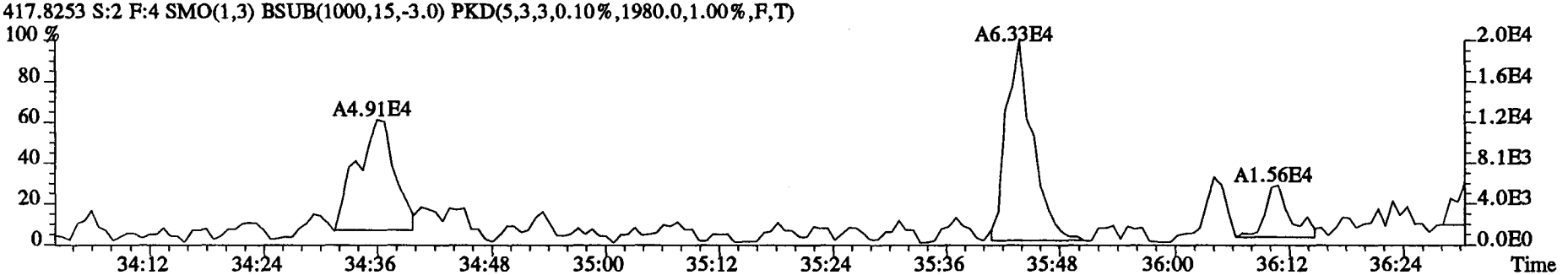
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7256.0,1.00%,F,T)



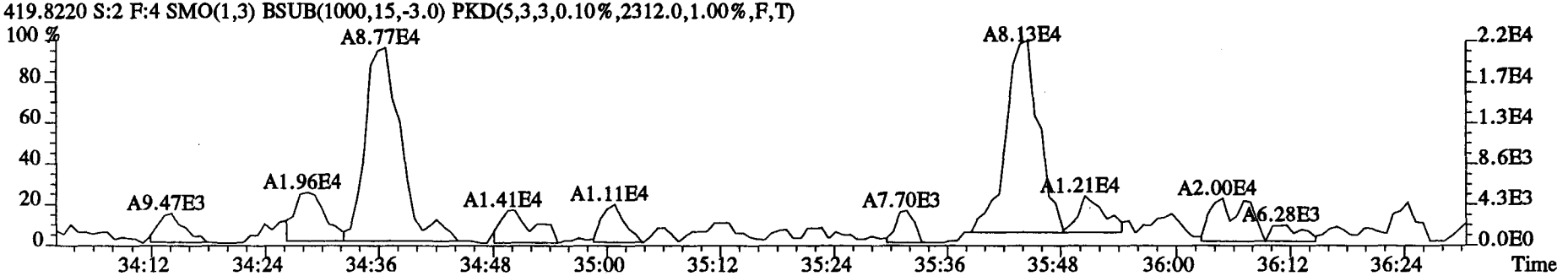
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8532.0,1.00%,F,T)



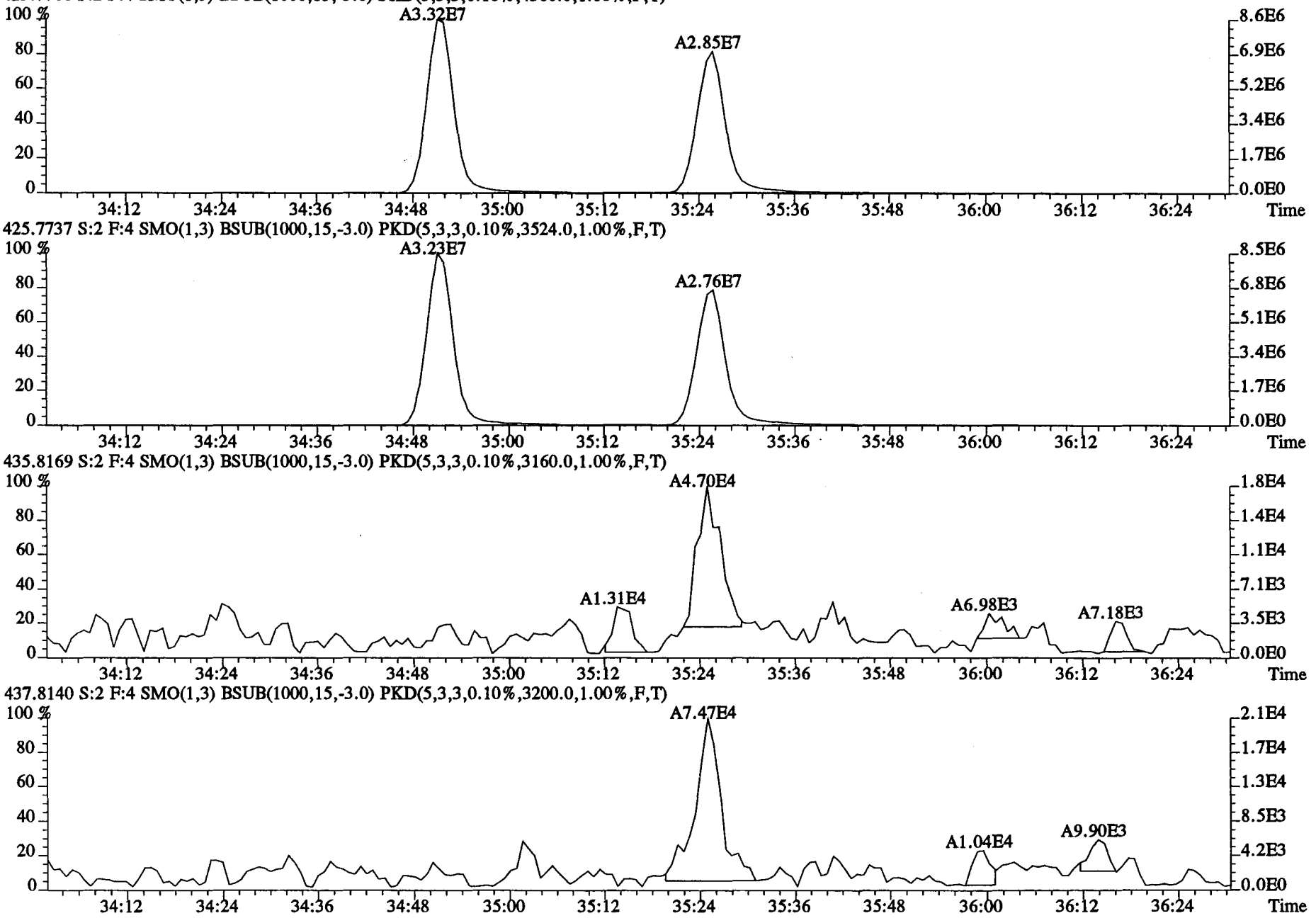
417.8253 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)



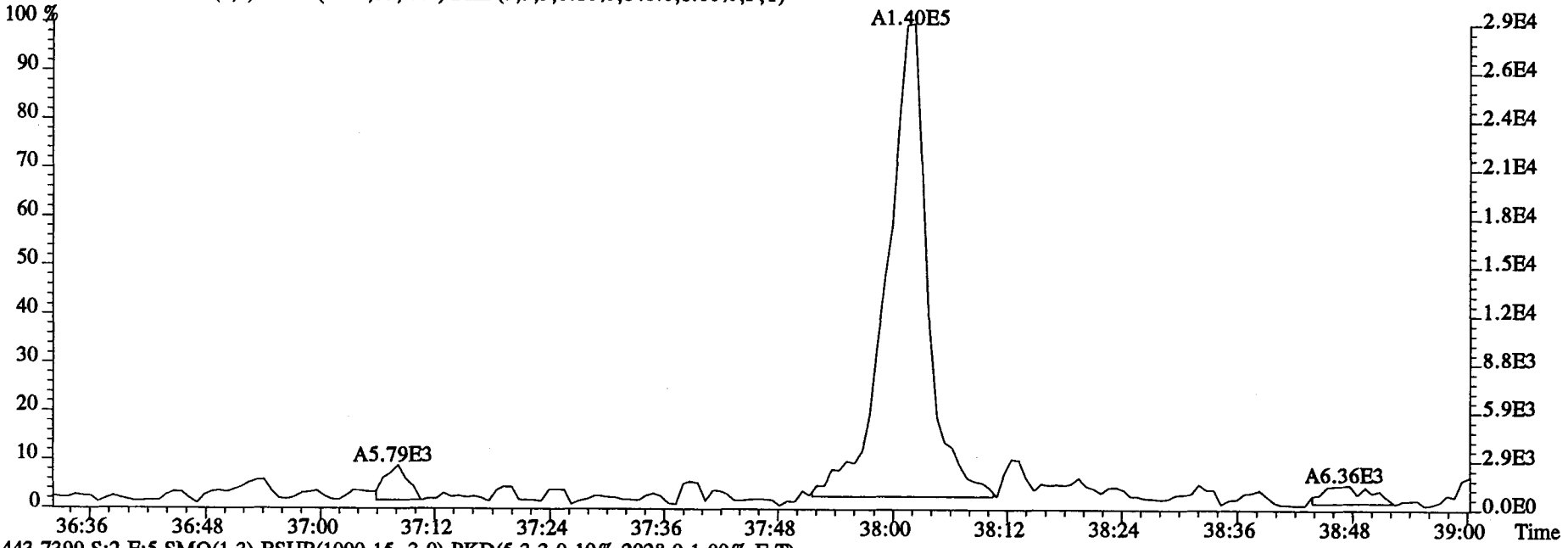
419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2312.0,1.00%,F,T)



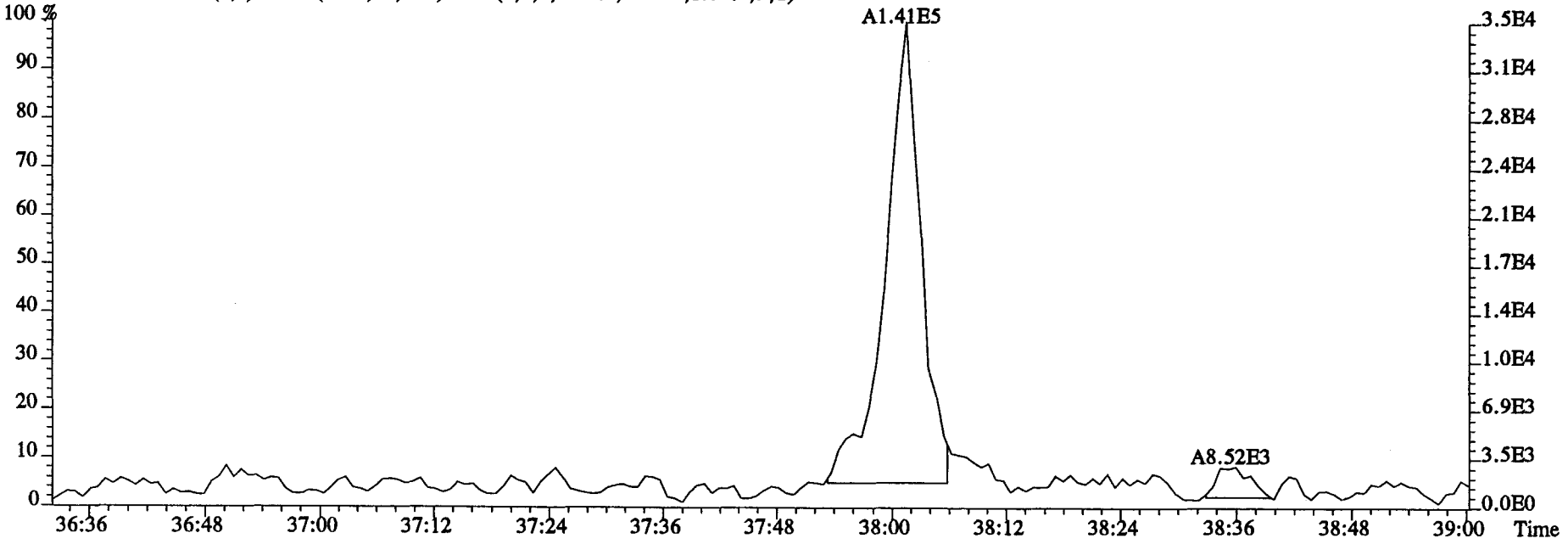
File:27AP104D5 #1-198 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



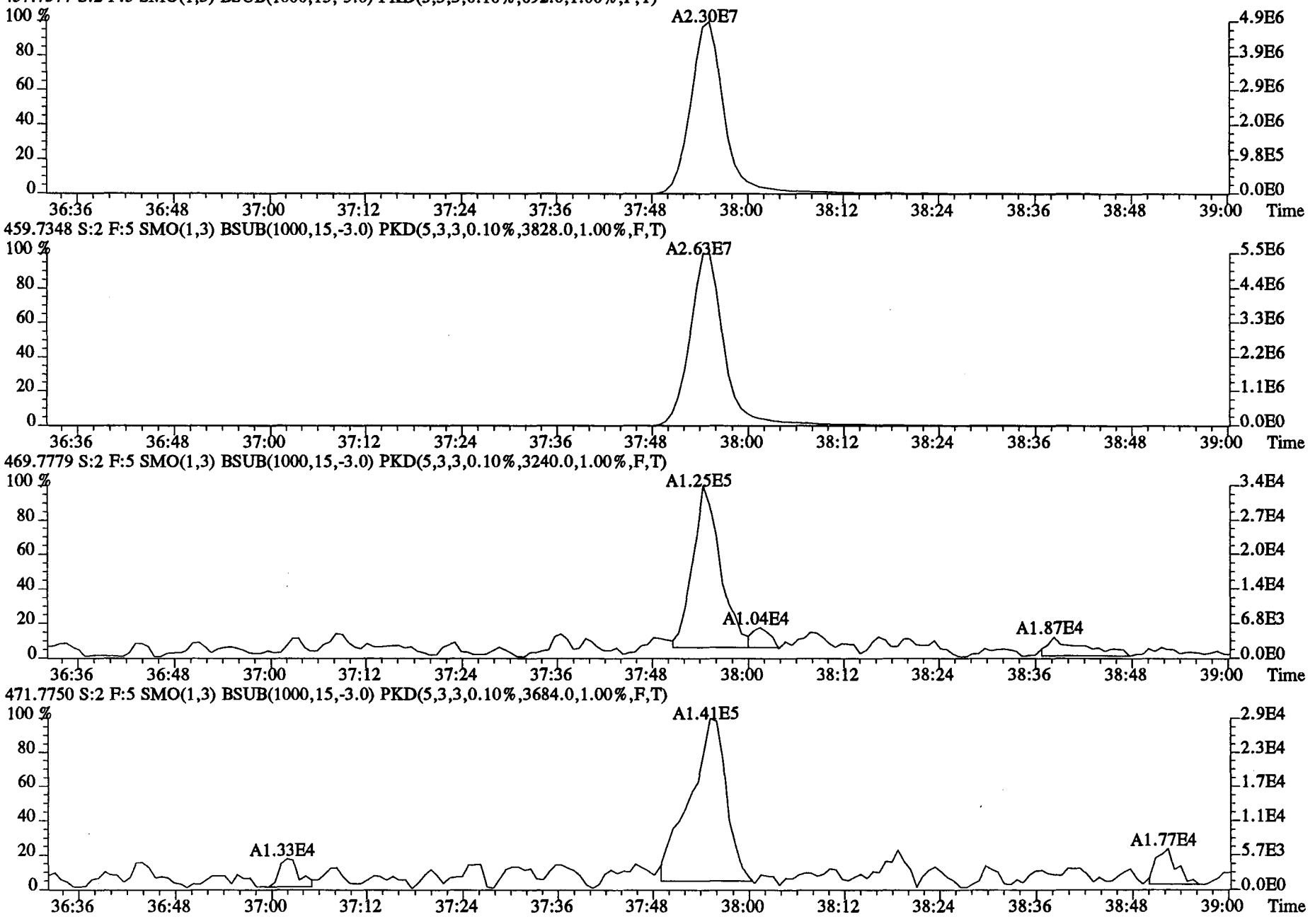
File:27AP104D5 #1-190 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2028.0,1.00%,F,T)

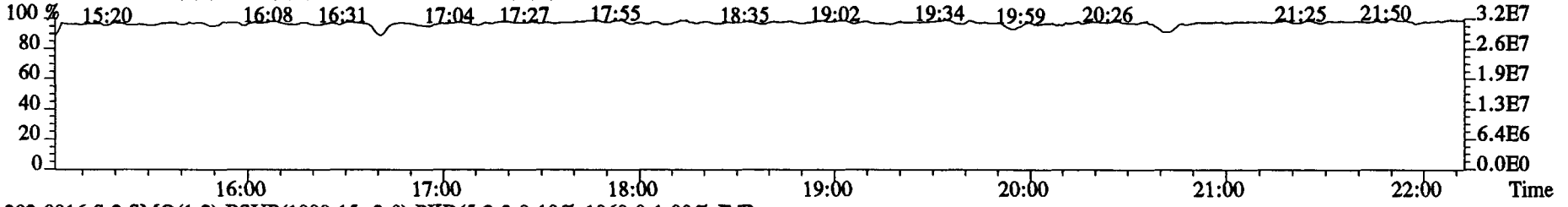


File:27AP104D5 #1-190 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

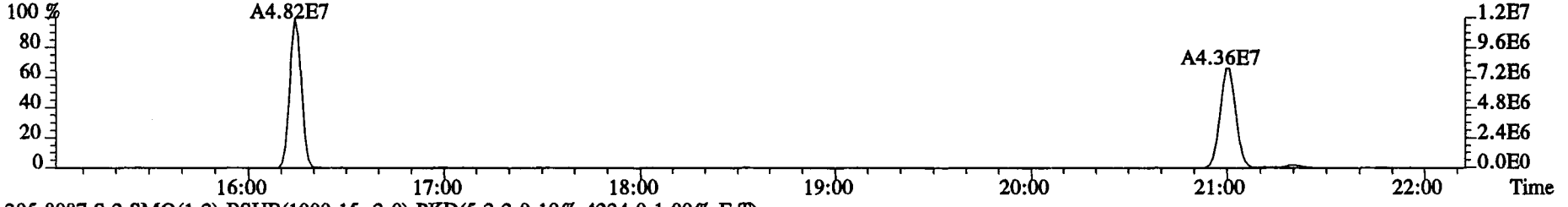


File:27AP104D5 #1-434 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

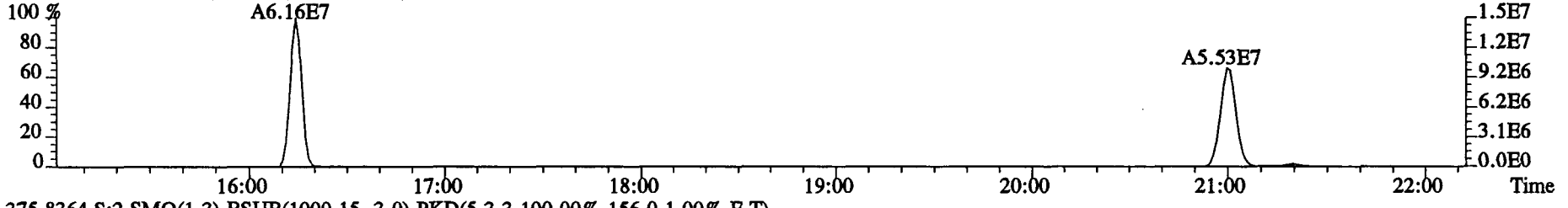
354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



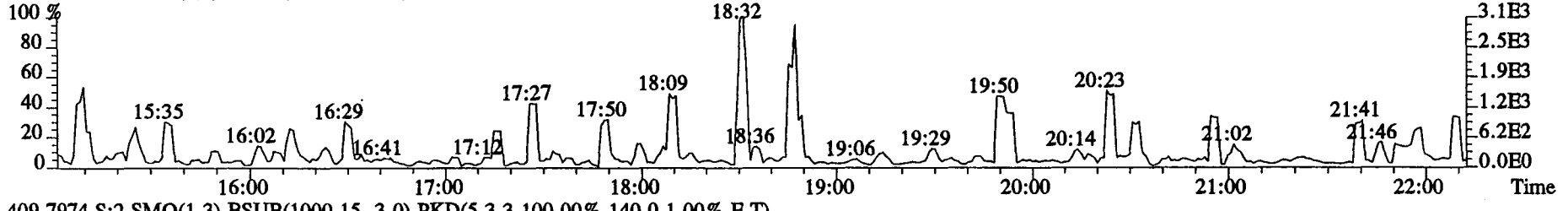
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1060.0,1.00%,F,T)



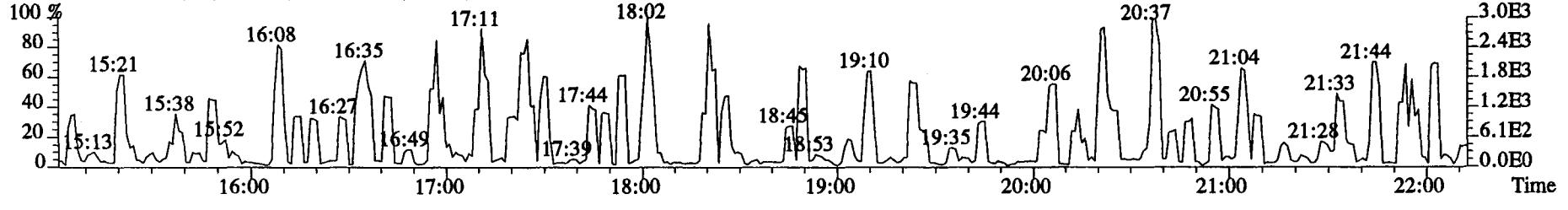
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4224.0,1.00%,F,T)



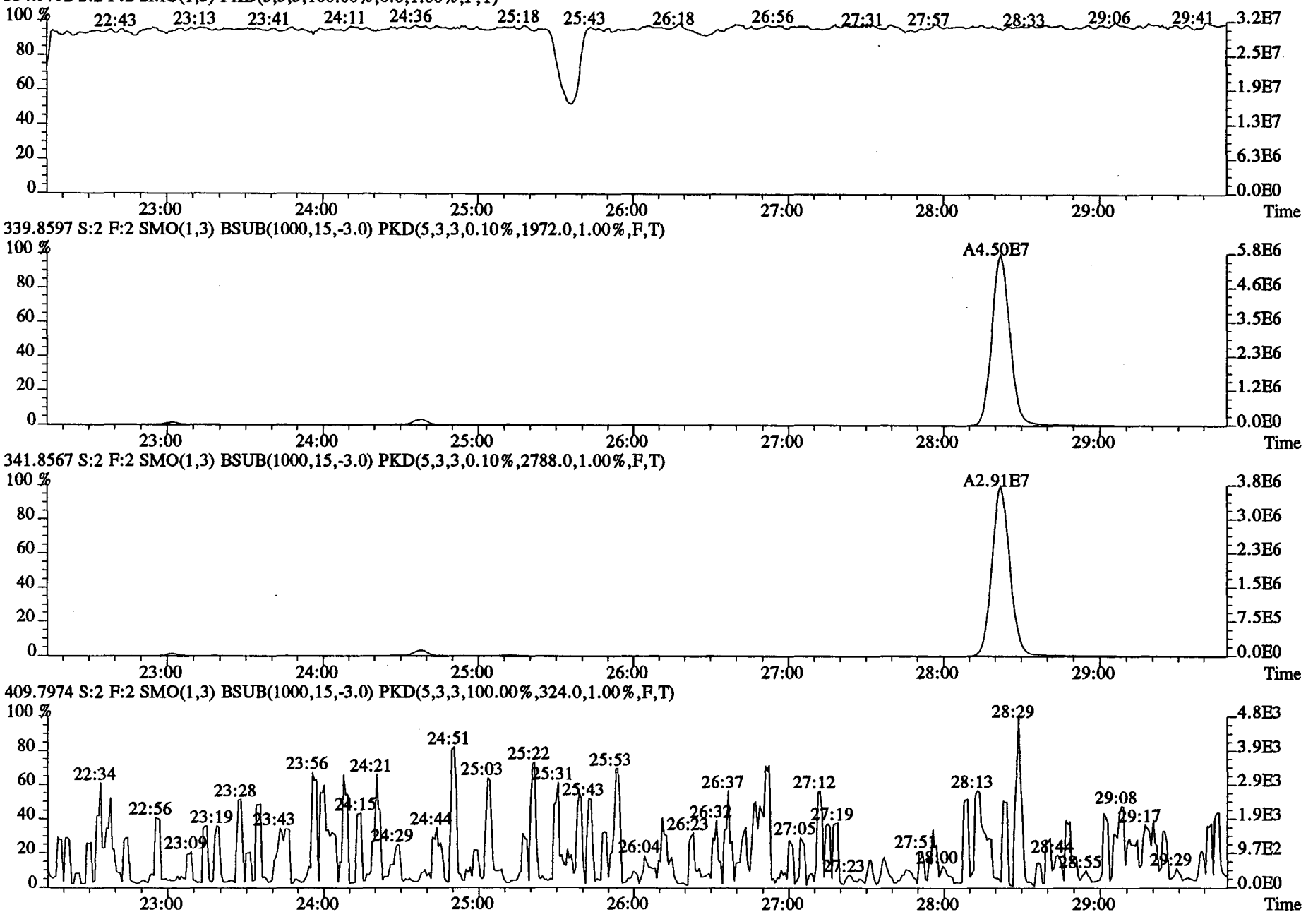
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,156.0,1.00%,F,T)



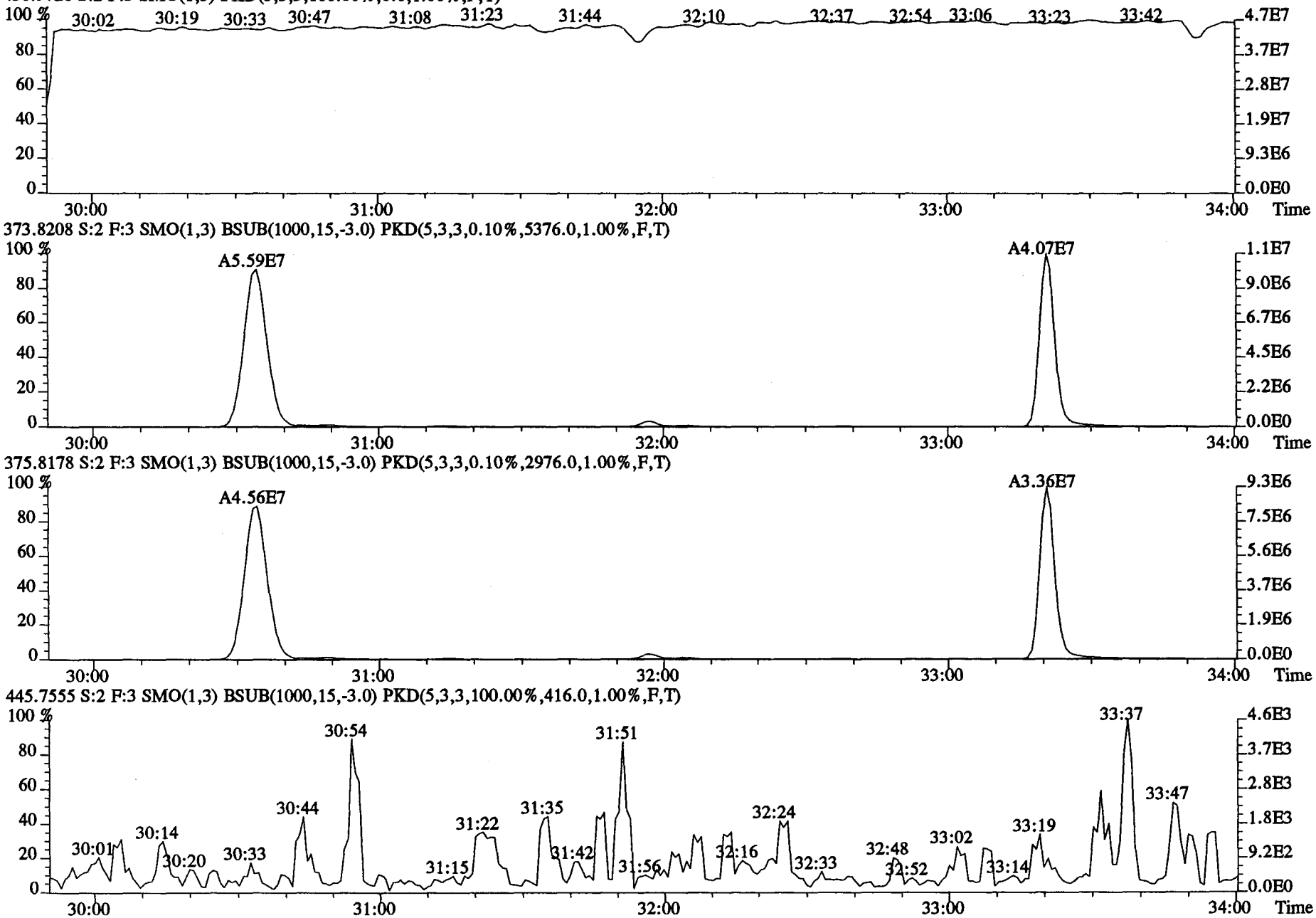
409.7974 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,140.0,1.00%,F,T)



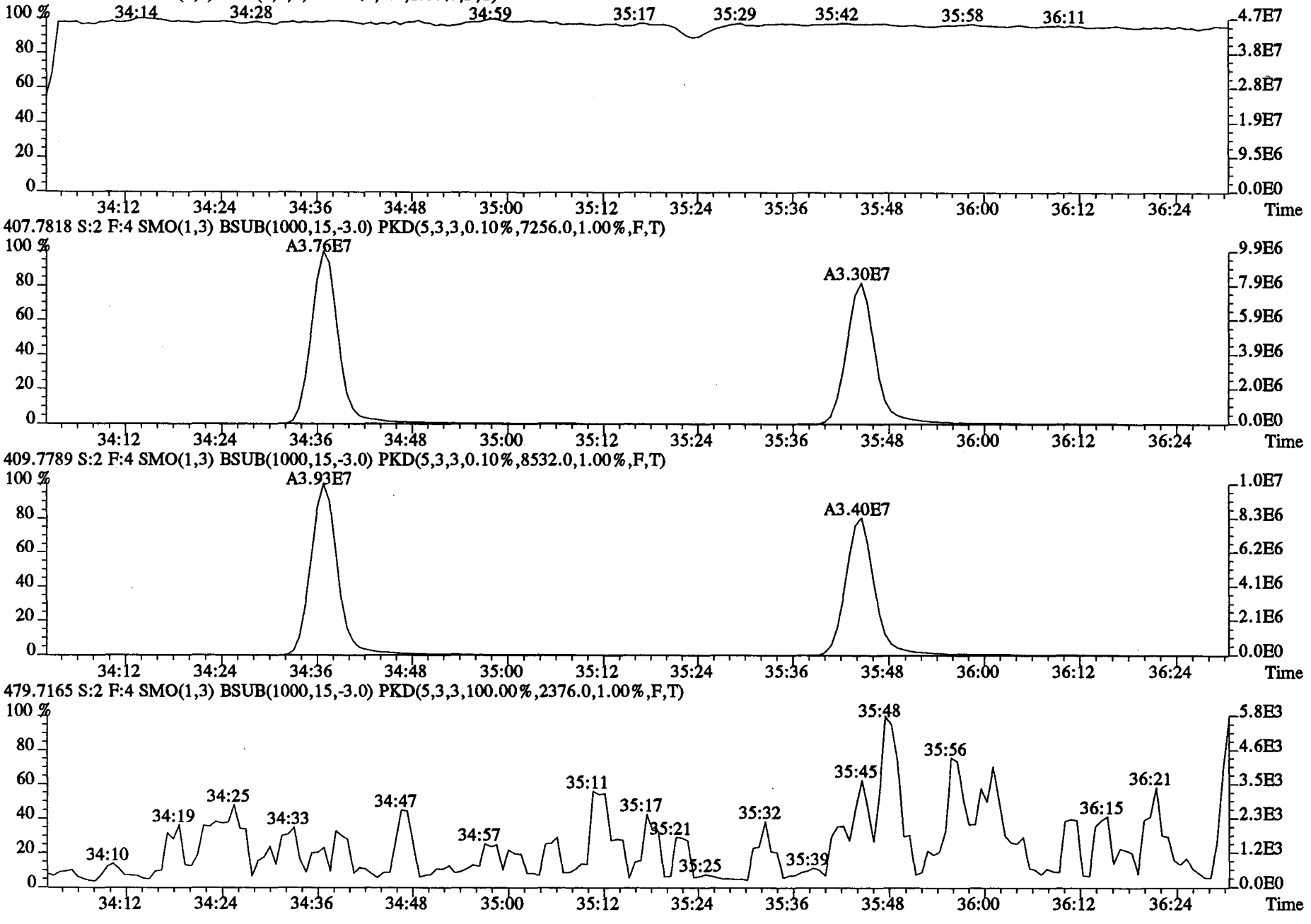
File:27AP104D5 #1-605 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



File:27AP104D5 #1-316 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

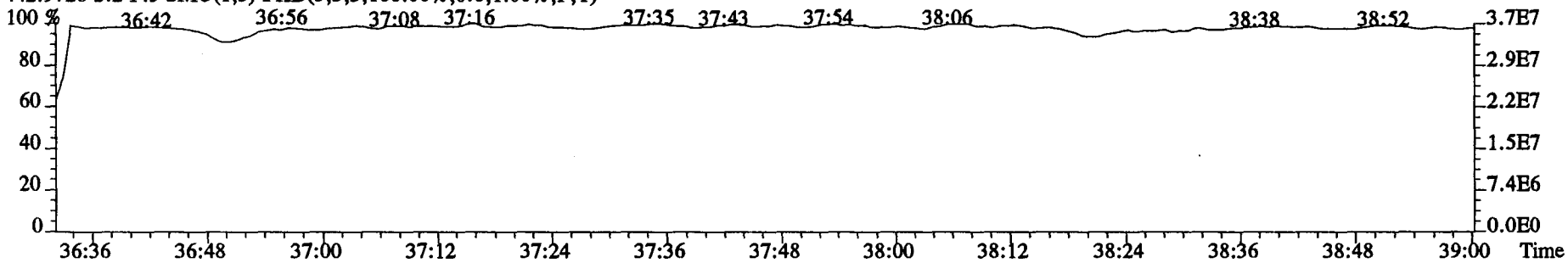


File:27AP104D5 #1-198 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

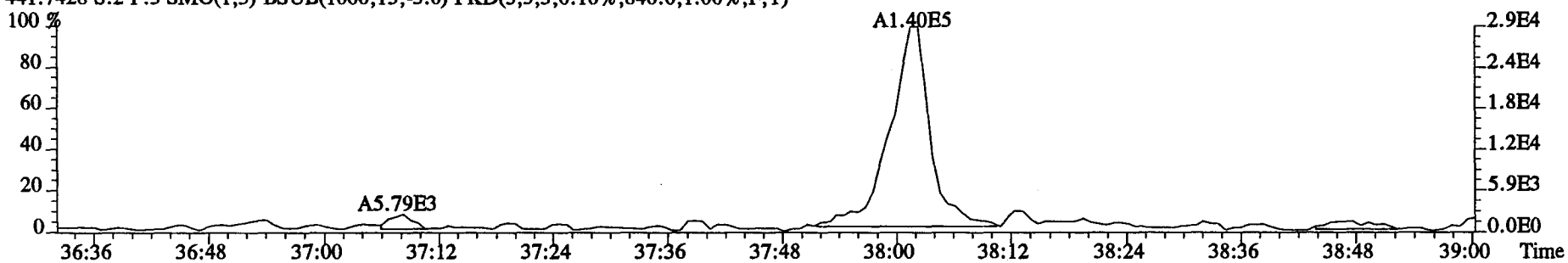


File:27AP104D5 #1-190 Acq:27-APR-2010 12:37:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0427 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

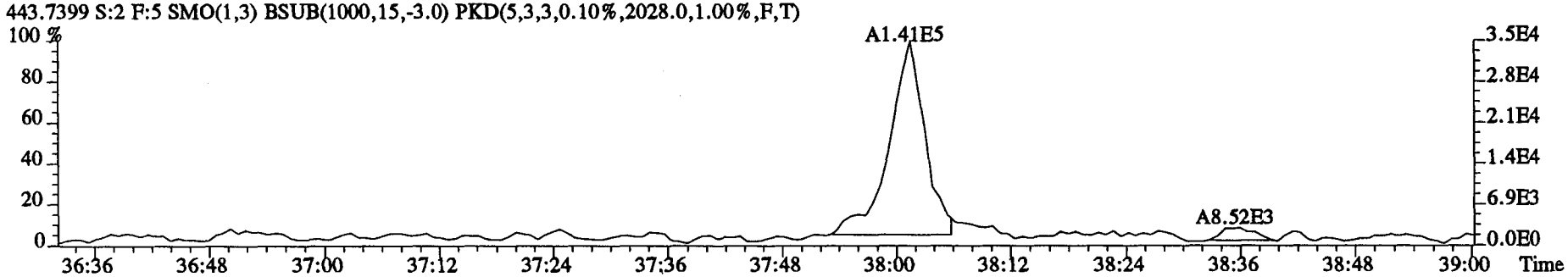
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



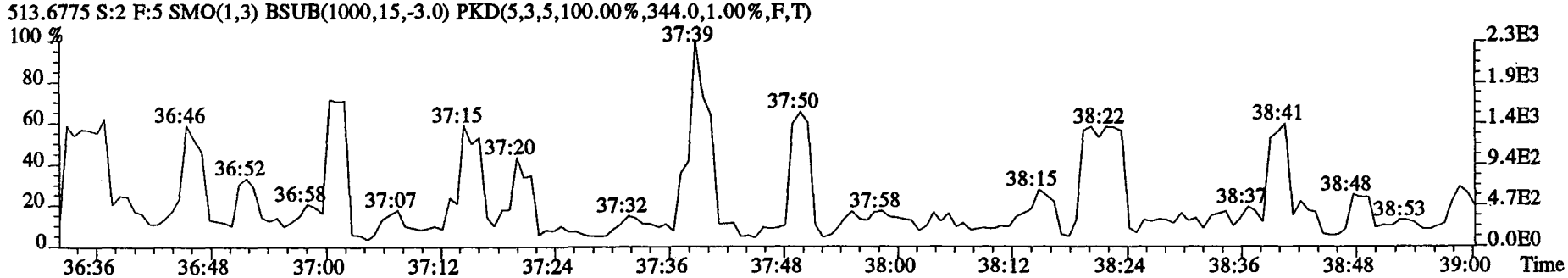
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



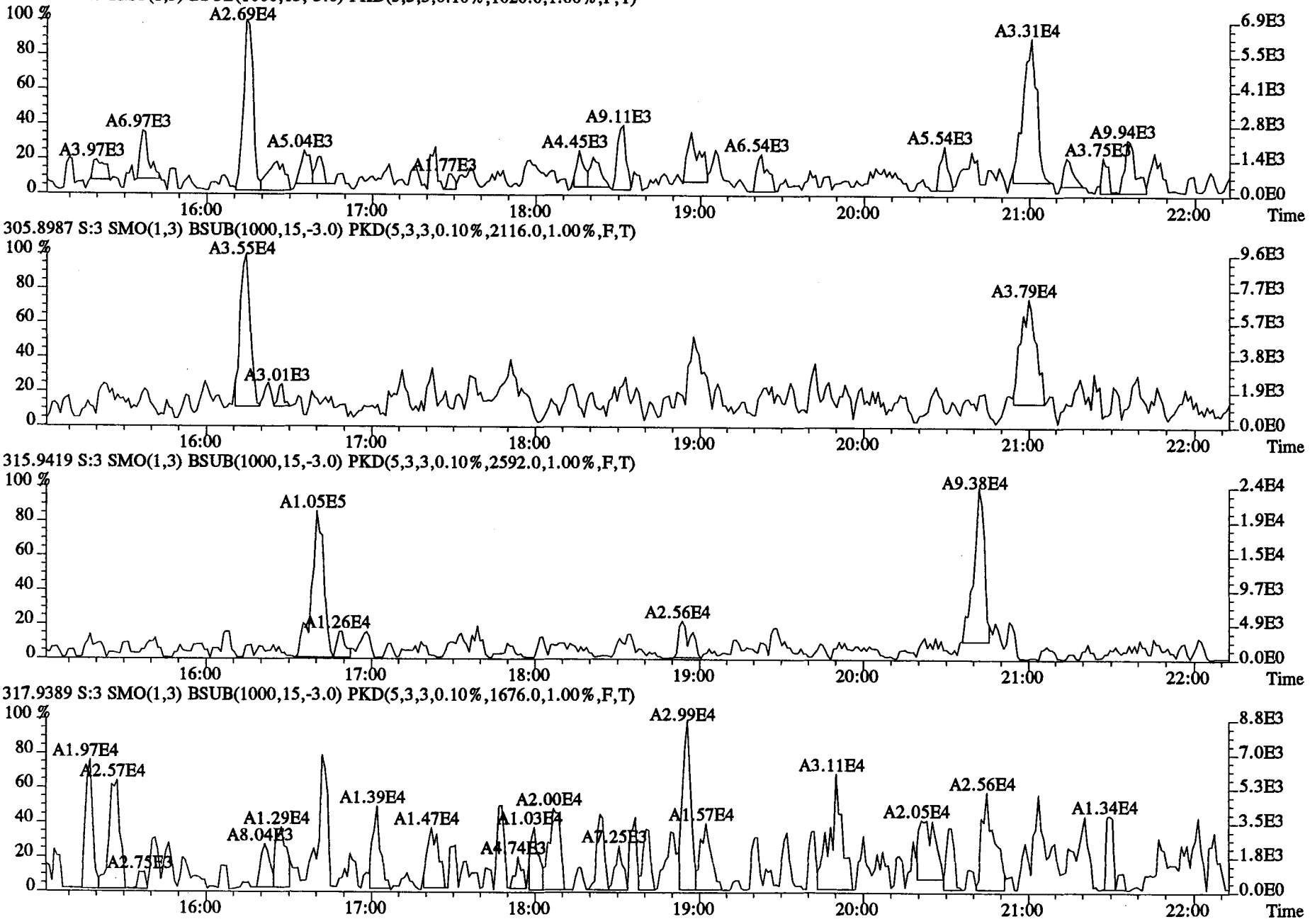
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2028.0,1.00%,F,T)



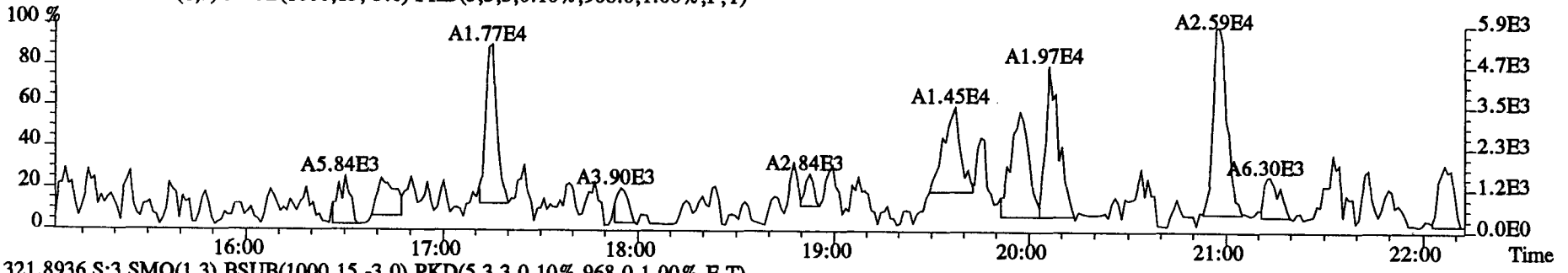
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,344.0,1.00%,F,T)

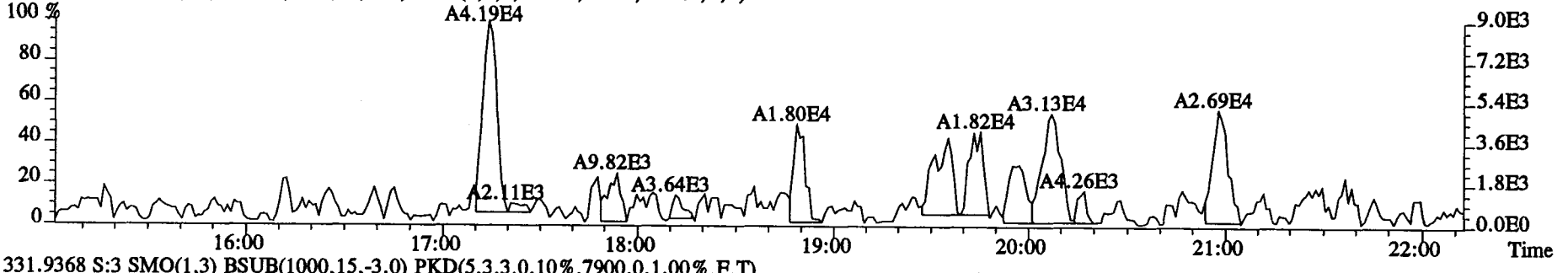


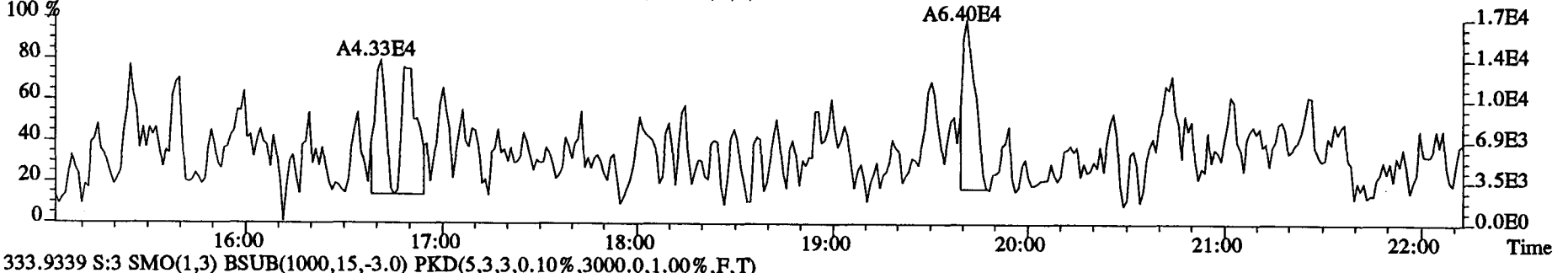
File:27AP104D5 #1-434 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

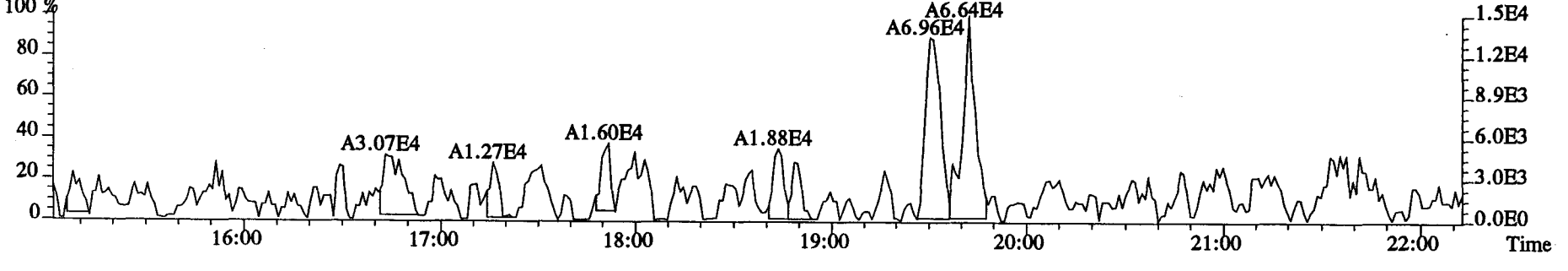


File:27AP104D5 #1-434 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

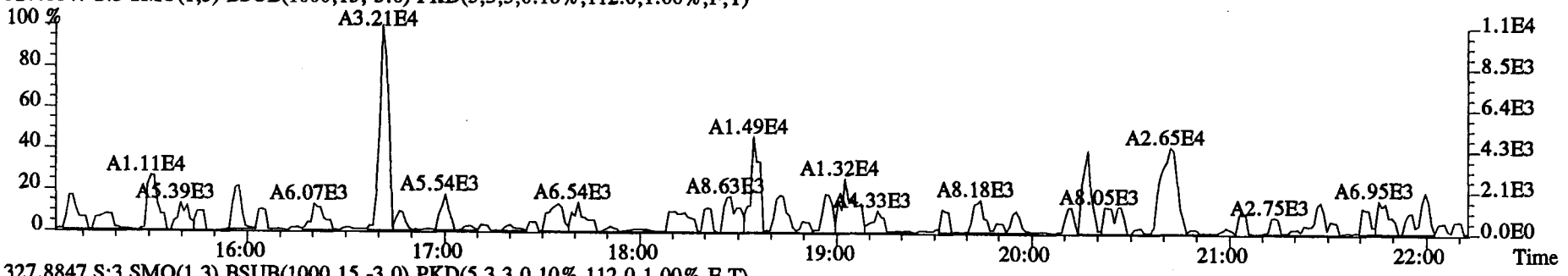




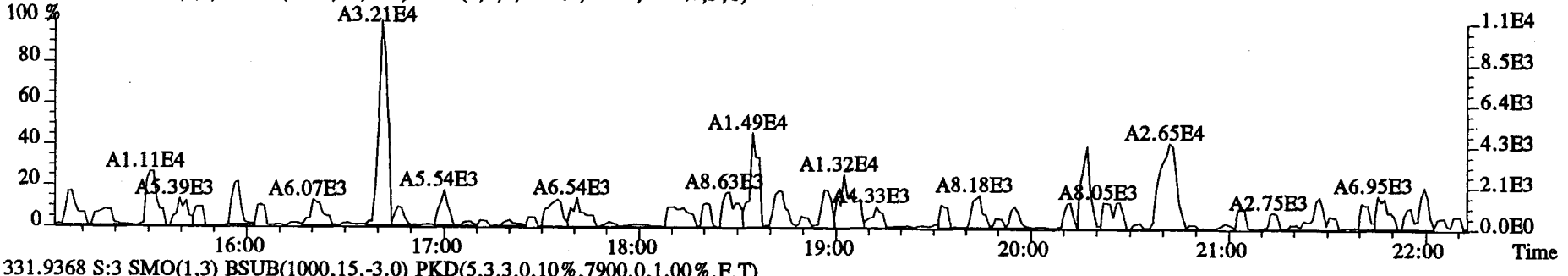




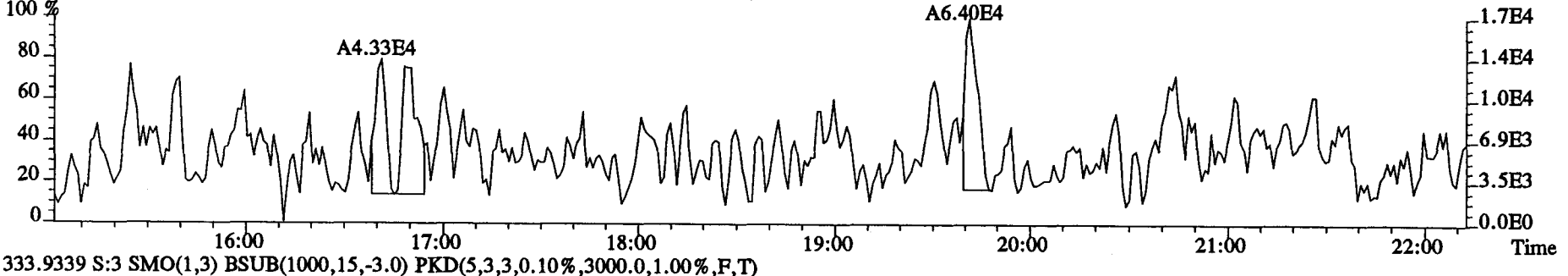
File:27AP104D5 #1-434 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,112.0,1.00%,F,T)



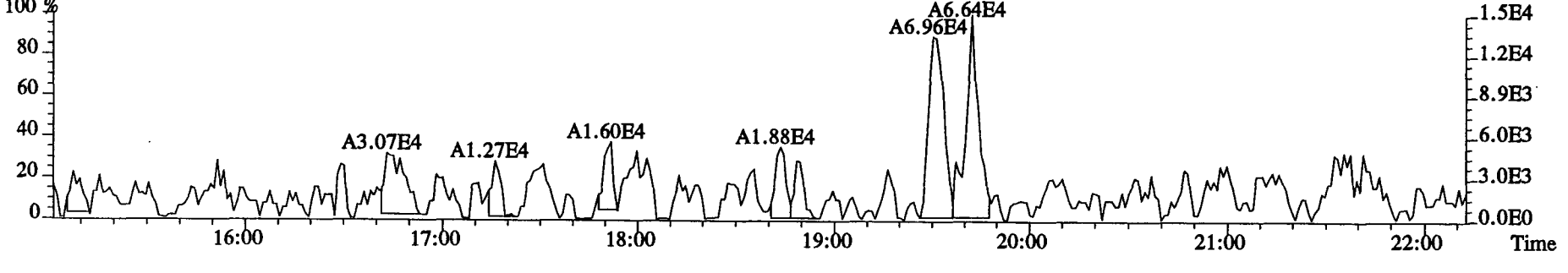
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,112.0,1.00%,F,T)



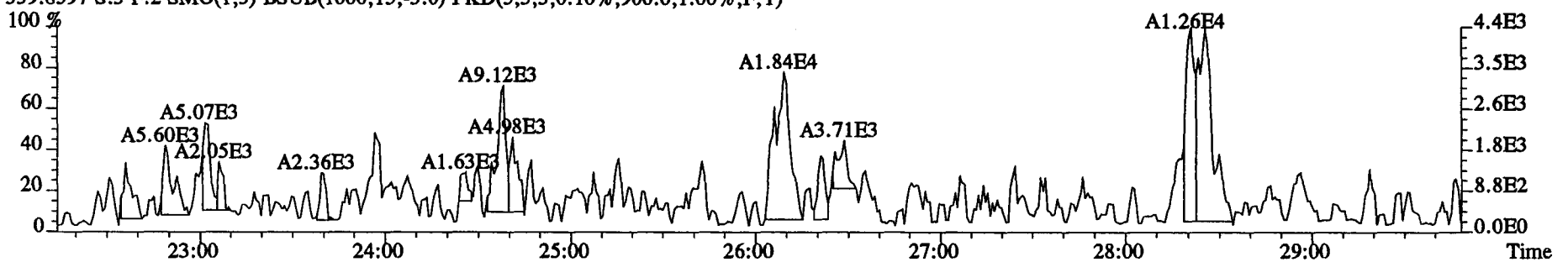
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7900.0,1.00%,F,T)



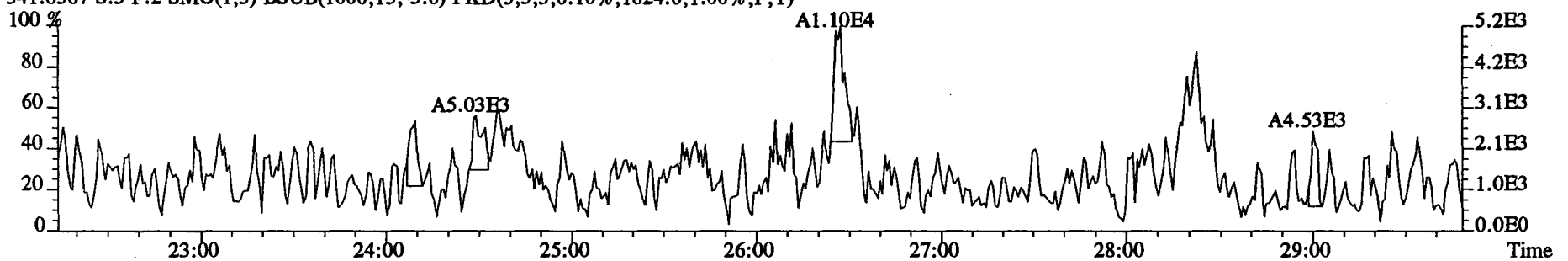
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3000.0,1.00%,F,T)



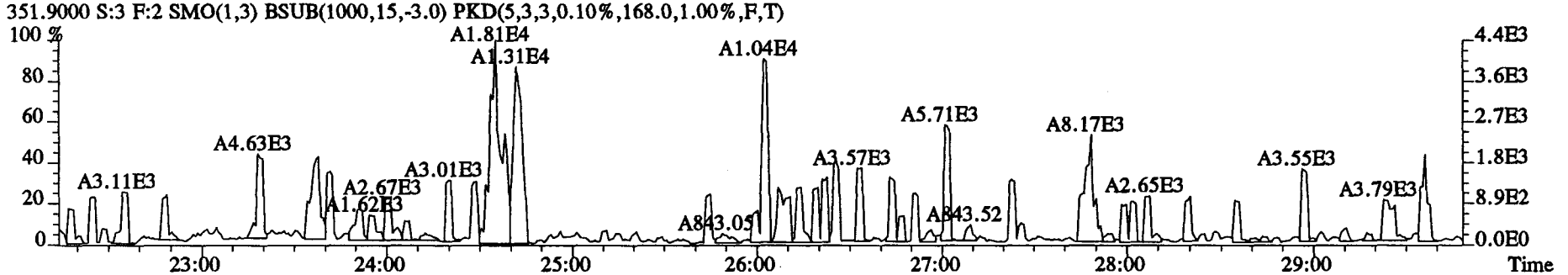
File:27AP104D5 #1-604 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,900.0,1.00%,F,T)



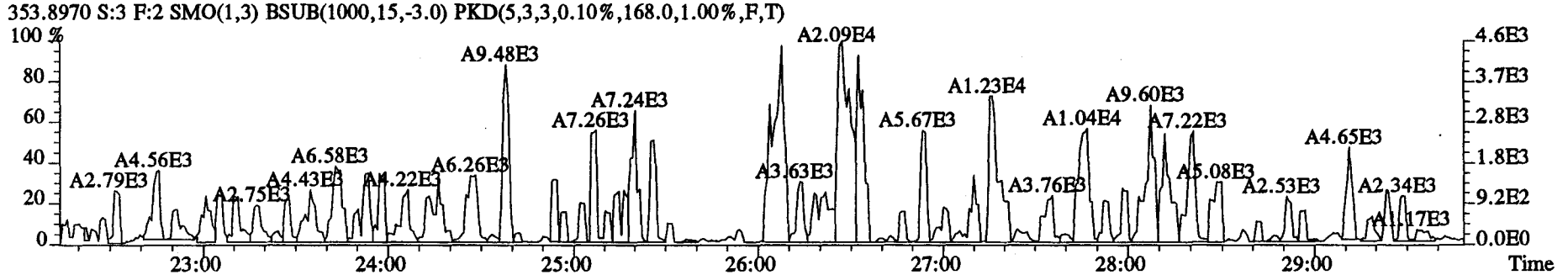
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



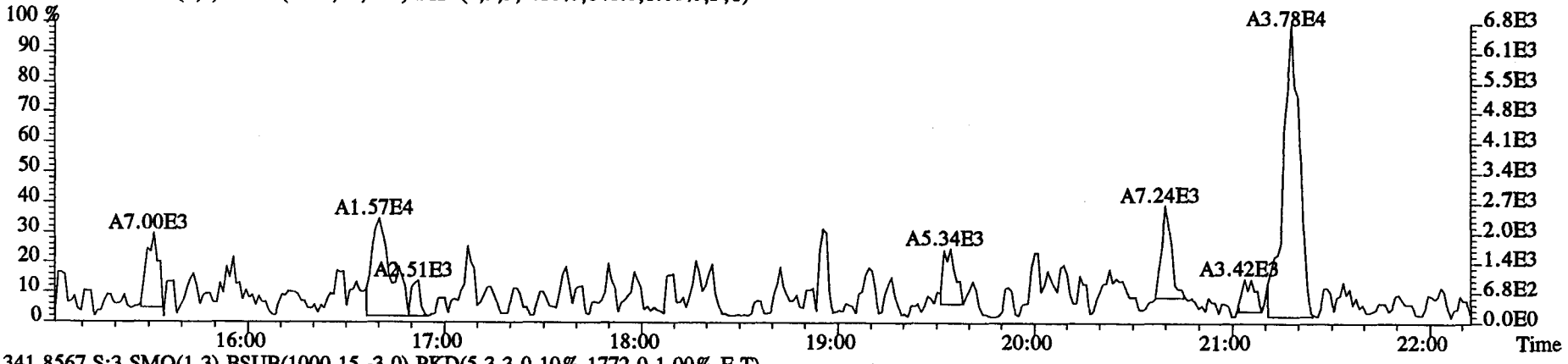
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)



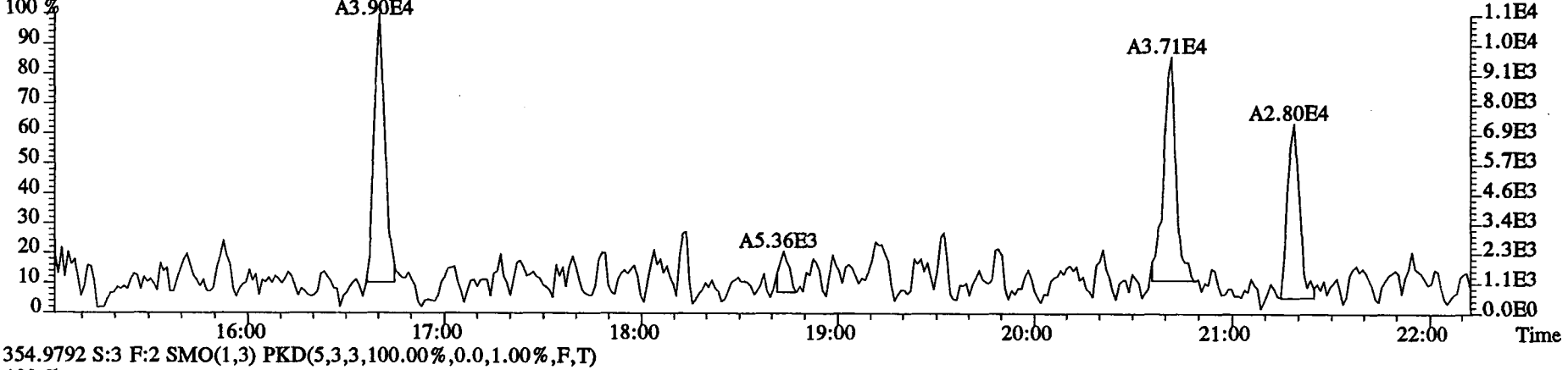
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)



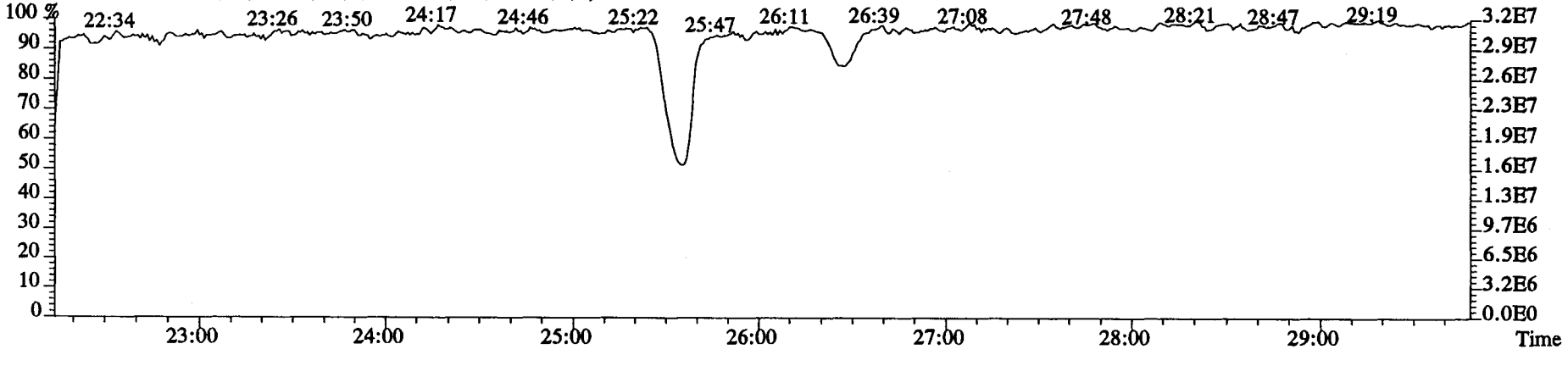
File:27AP104D5 #1-434 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



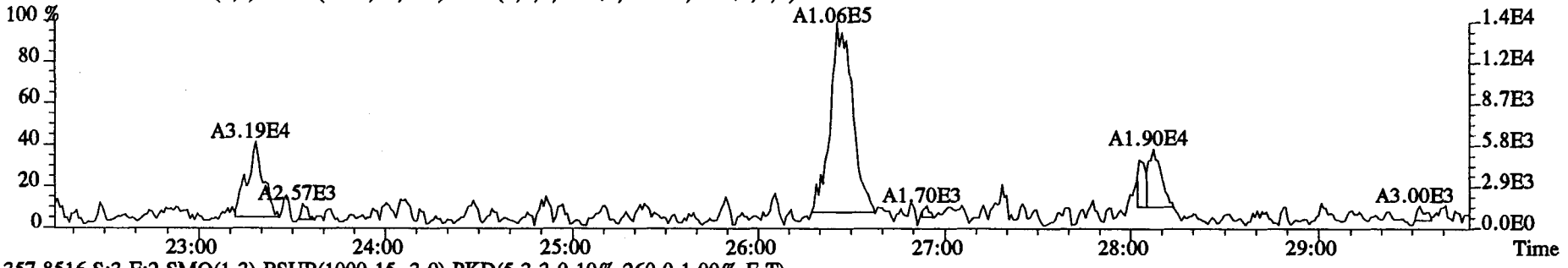
341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1772.0,1.00%,F,T)

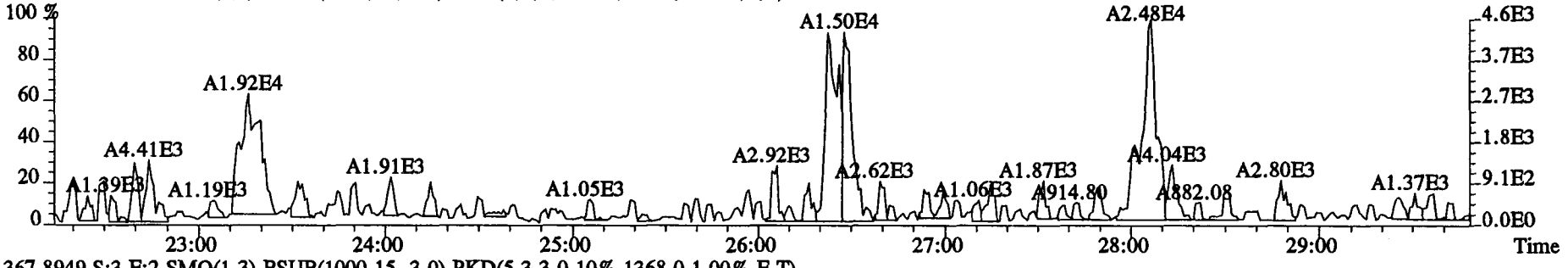


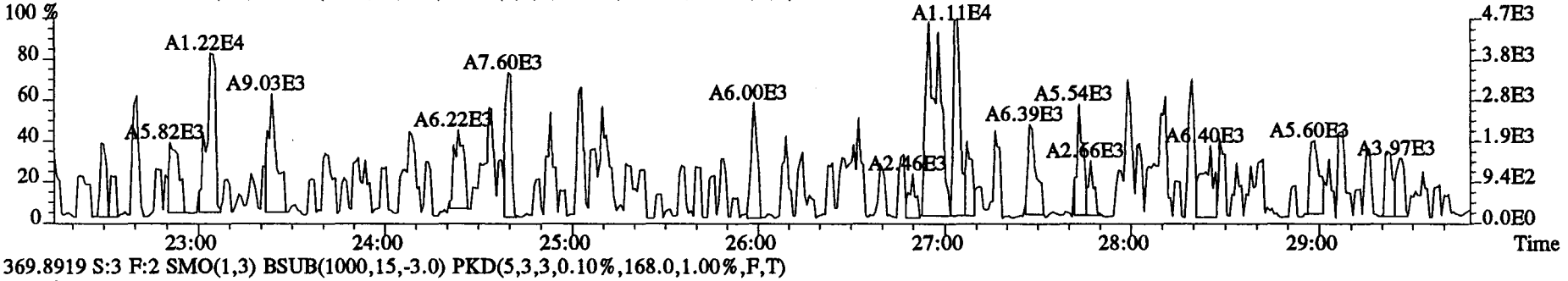
354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

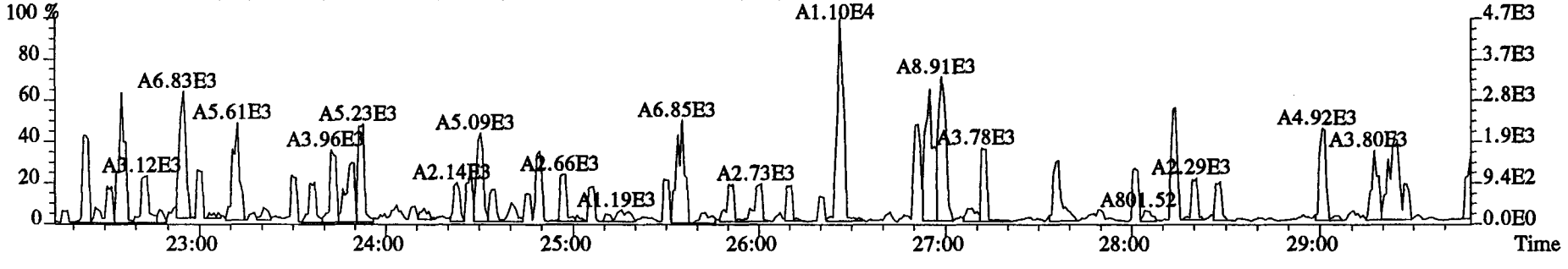


File:27AP104D5 #1-604 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

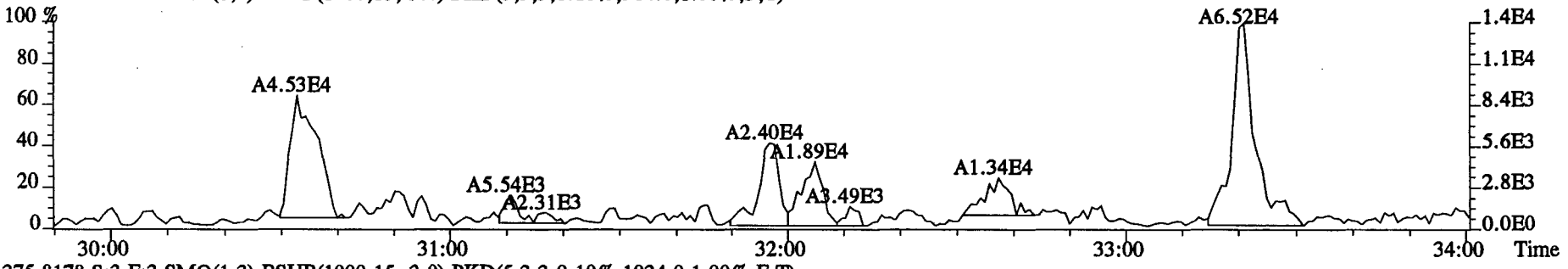


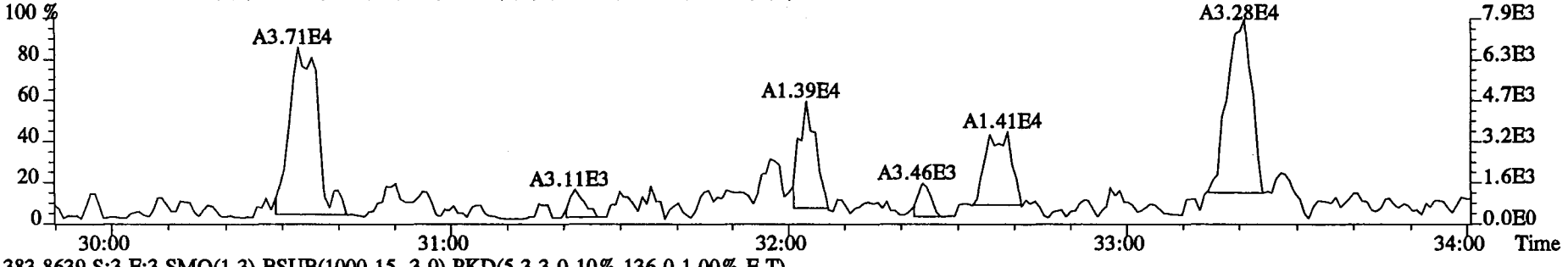


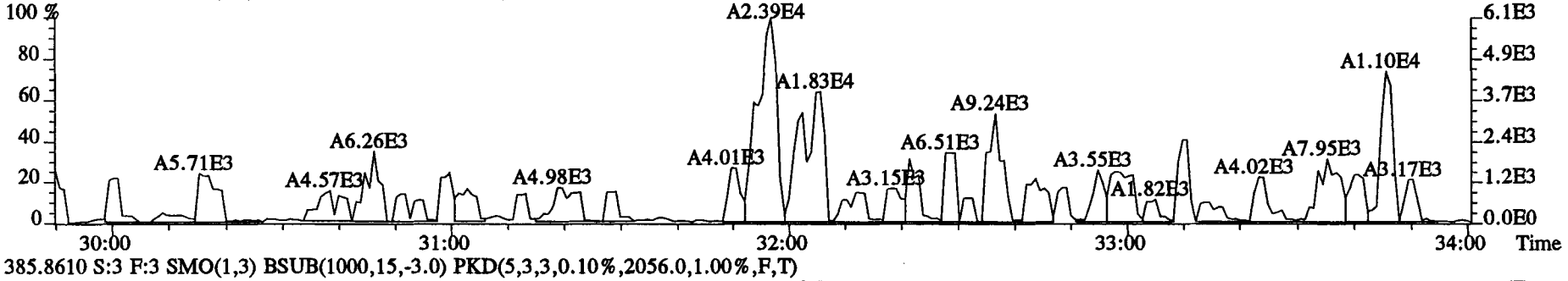


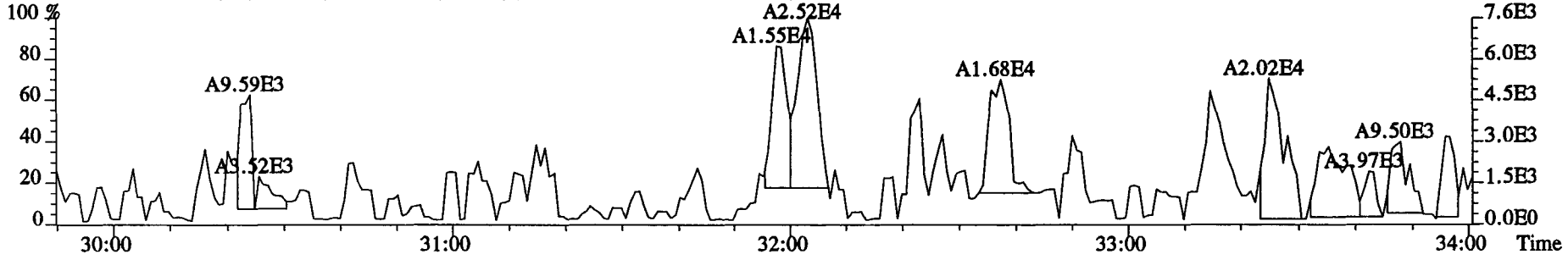


File:27AP104D5 #1-317 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

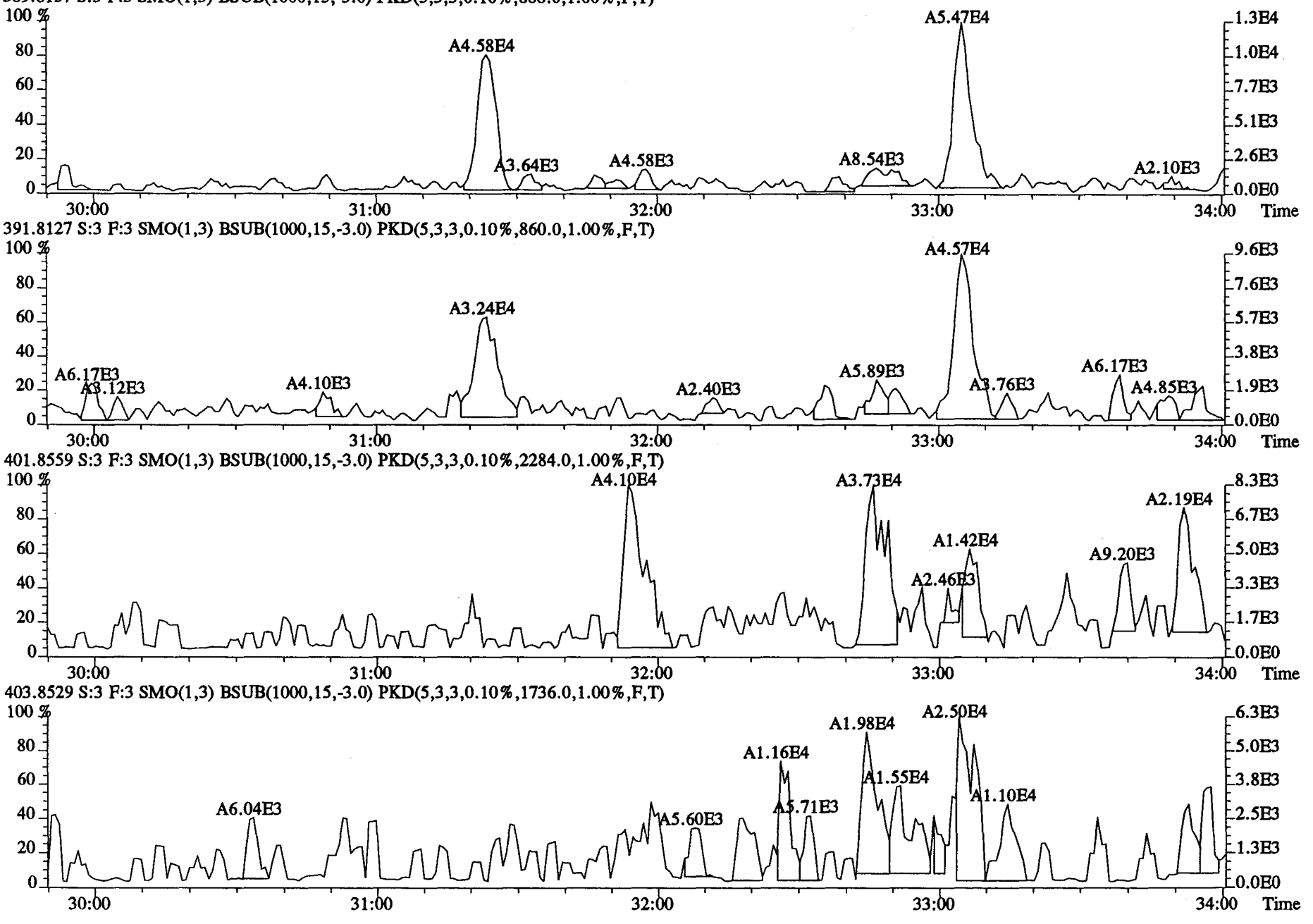




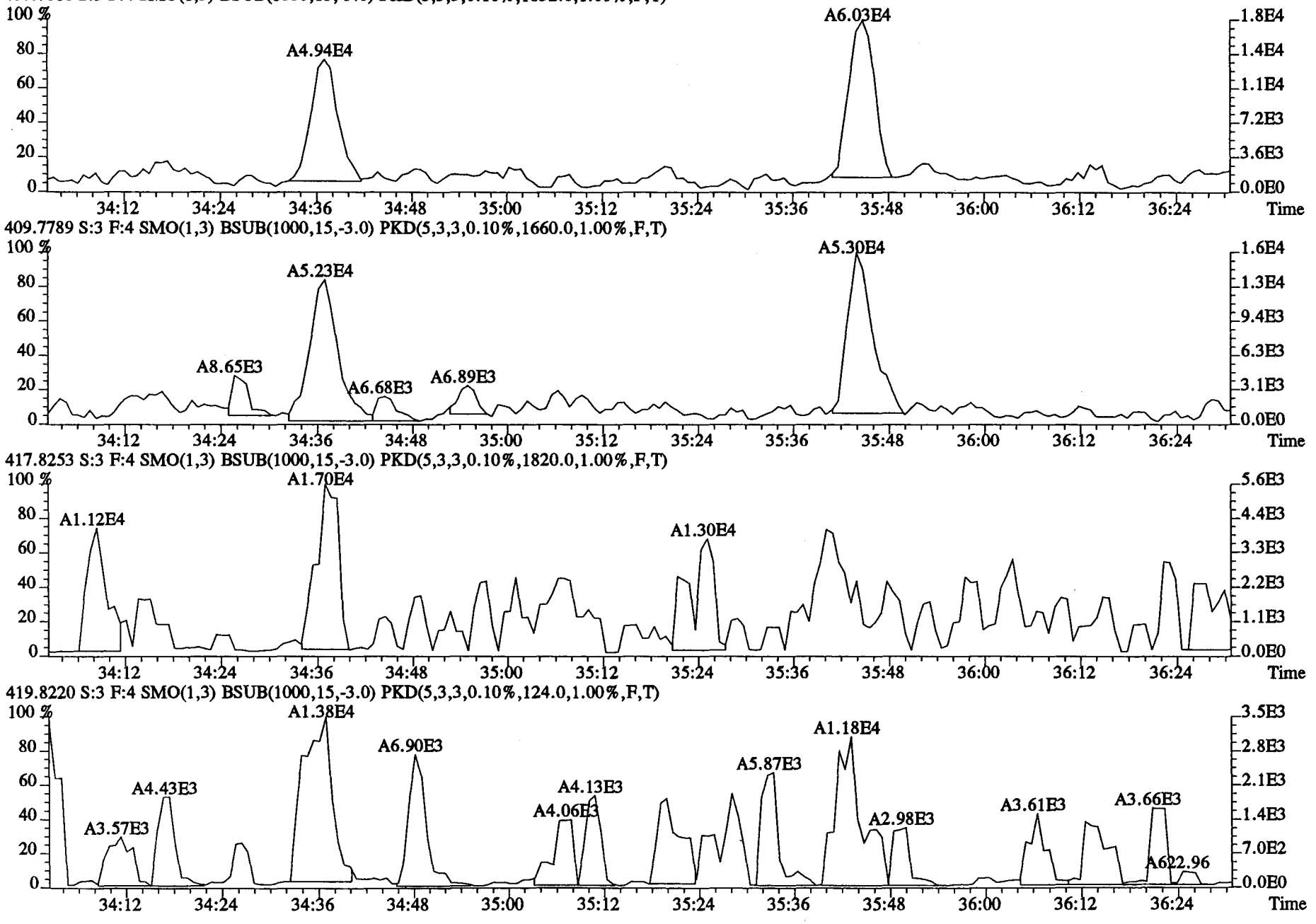




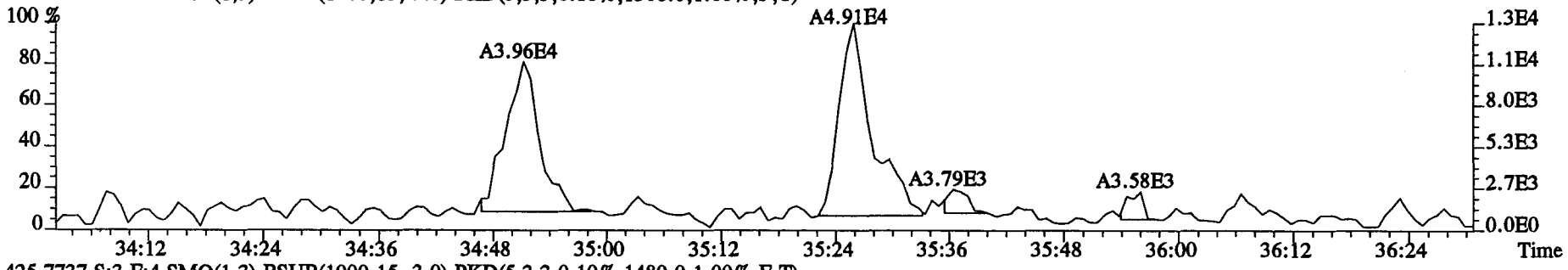
File:27AP104D5 #1-317 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

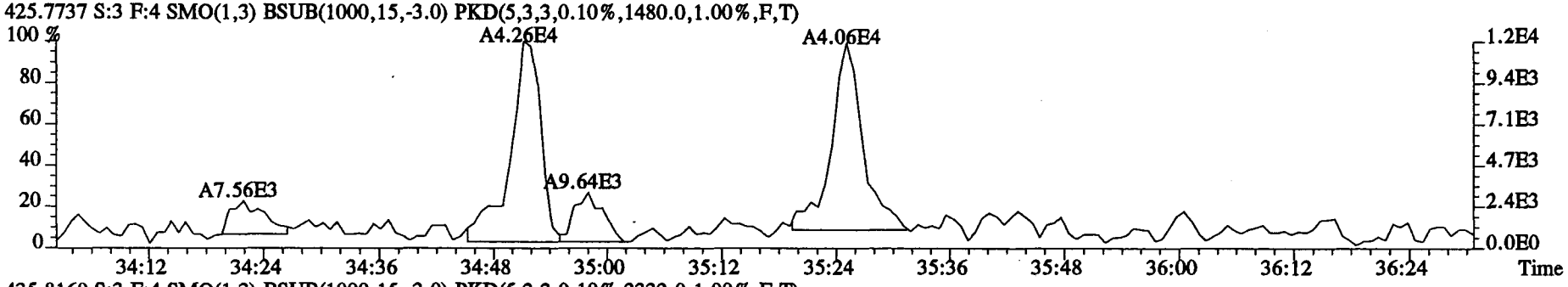


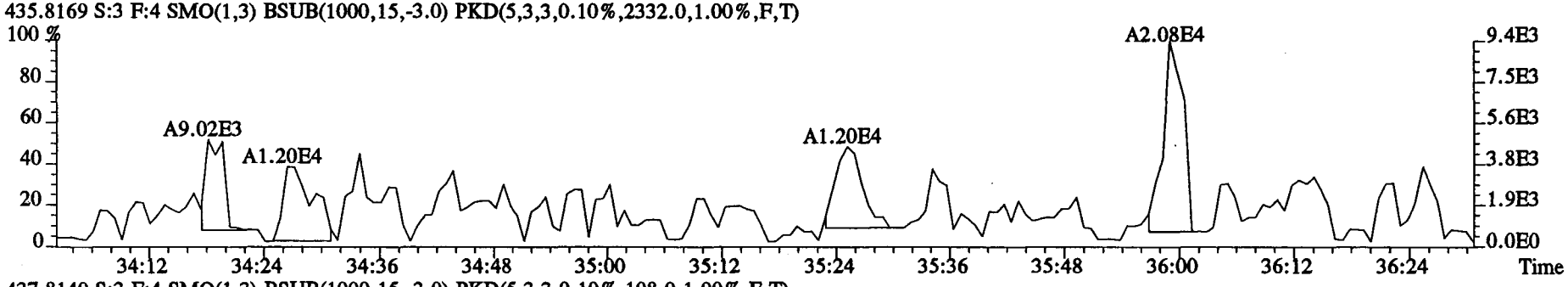
File:27AP104D5 #1-198 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

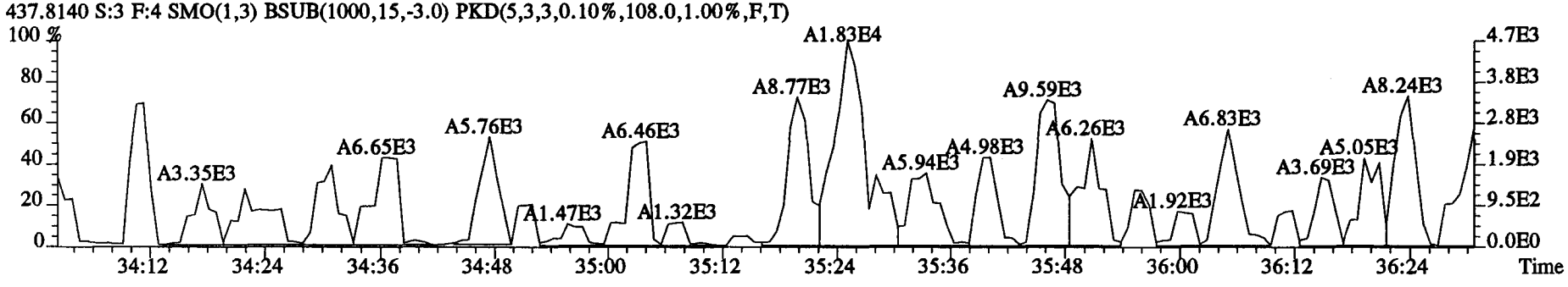


File:27AP104D5 #1-198 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

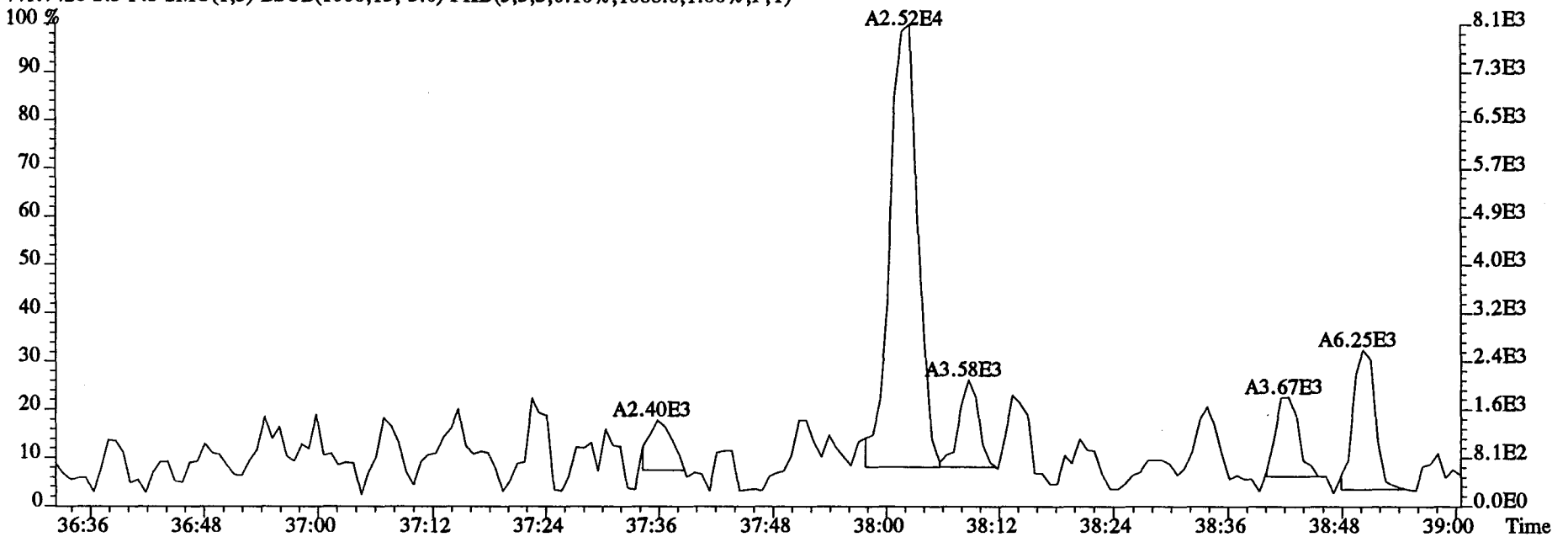




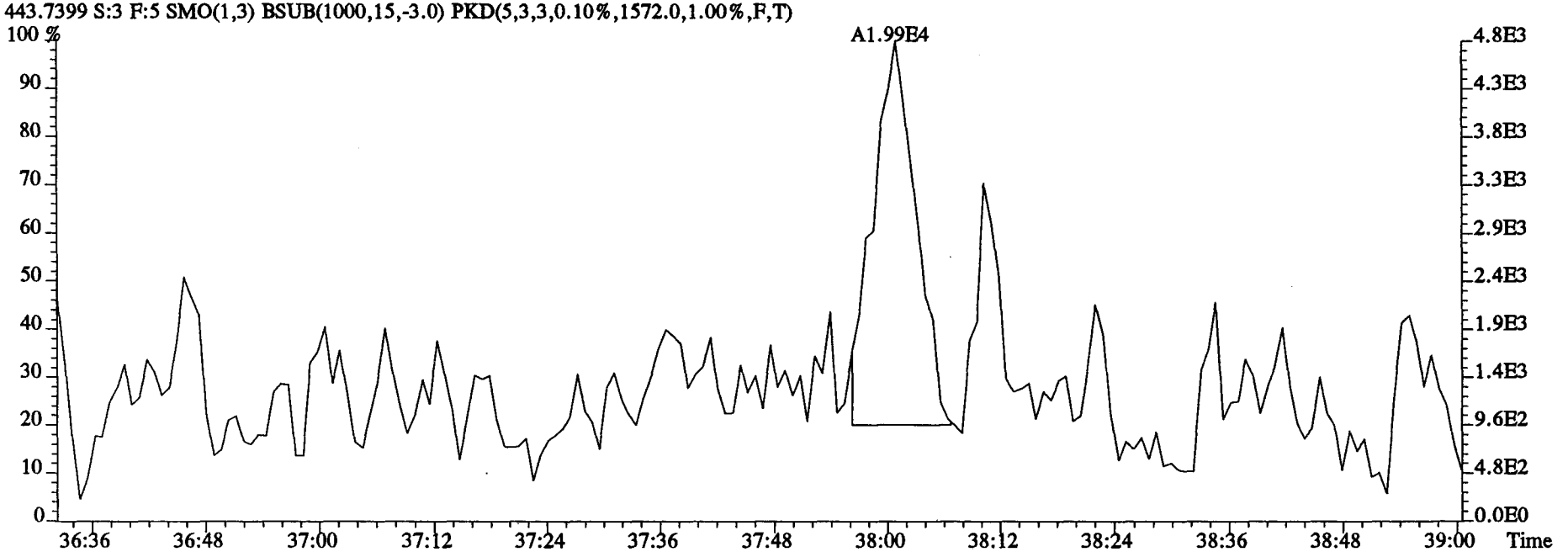




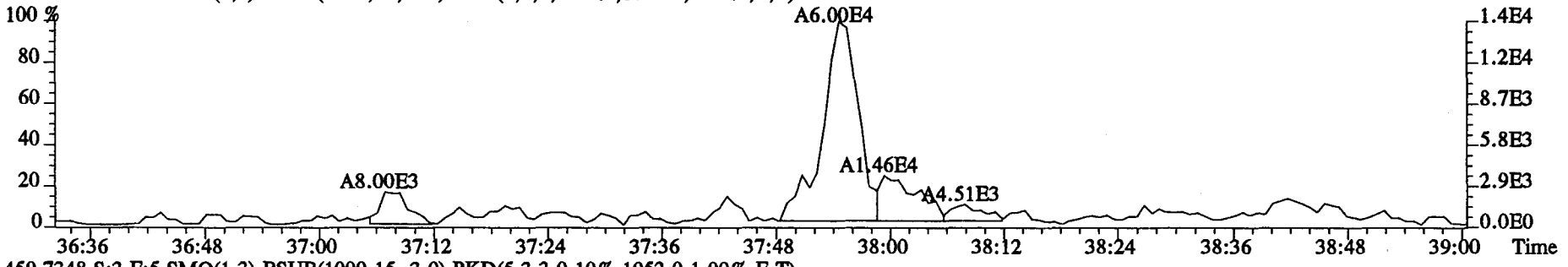
File:27AP104D5 #1-190 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1088.0,1.00%,F,T)



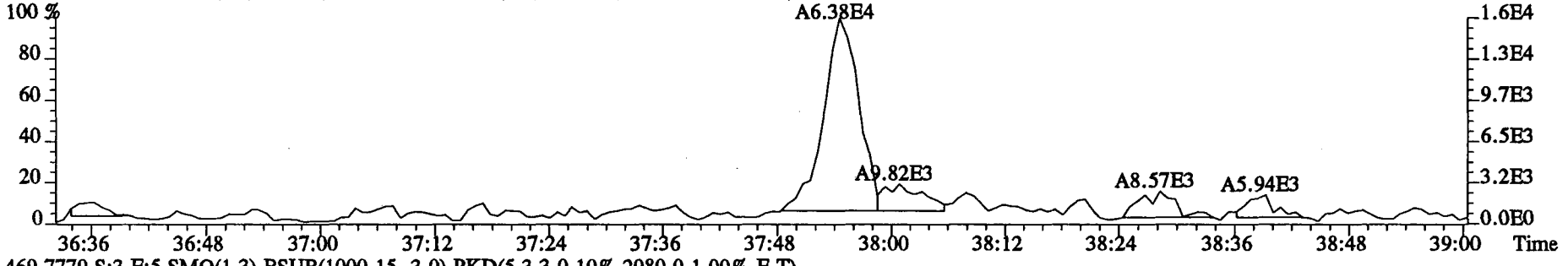
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1572.0,1.00%,F,T)



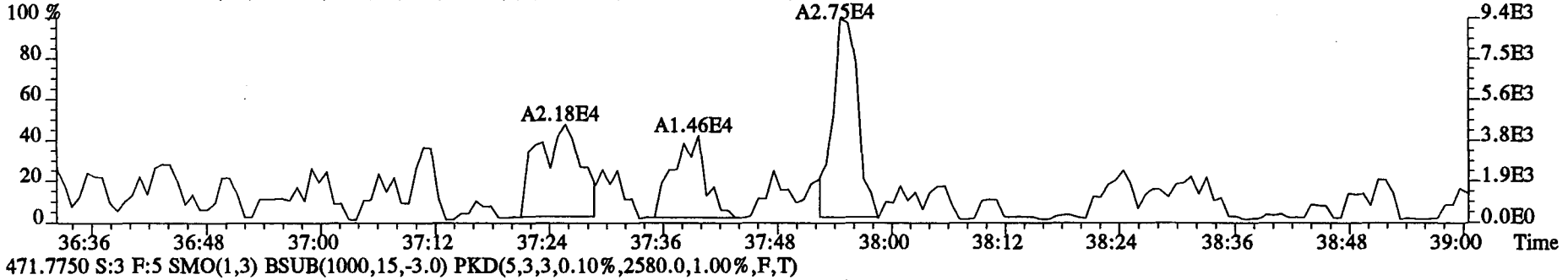
File:27AP104D5 #1-190 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)



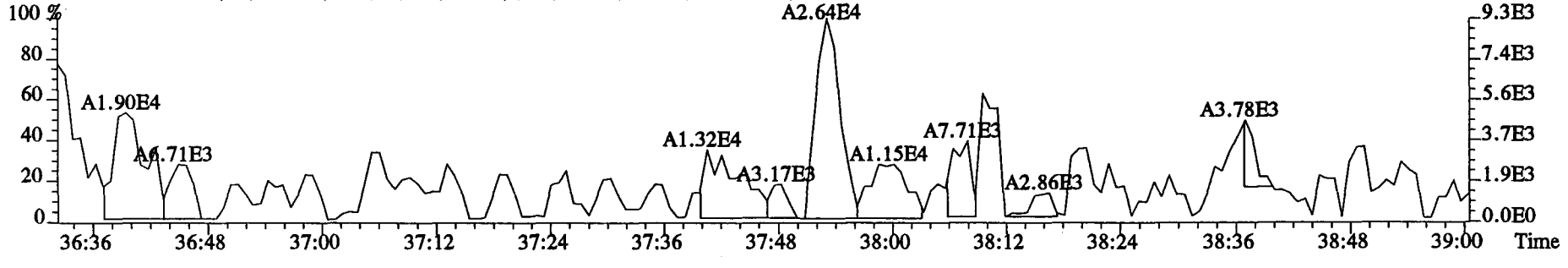
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1052.0,1.00%,F,T)



469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2080.0,1.00%,F,T)

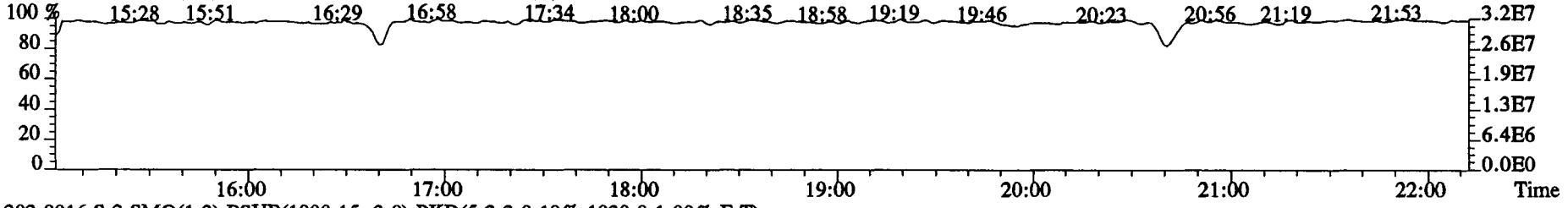


471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2580.0,1.00%,F,T)

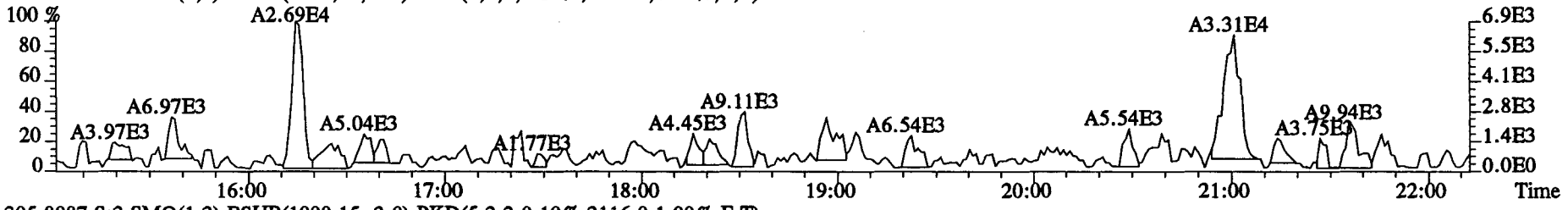


File:27AP104D5 #1-434 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

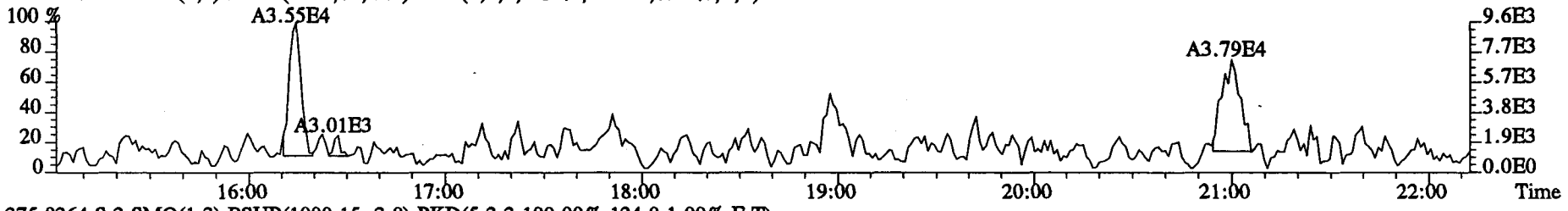
354.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



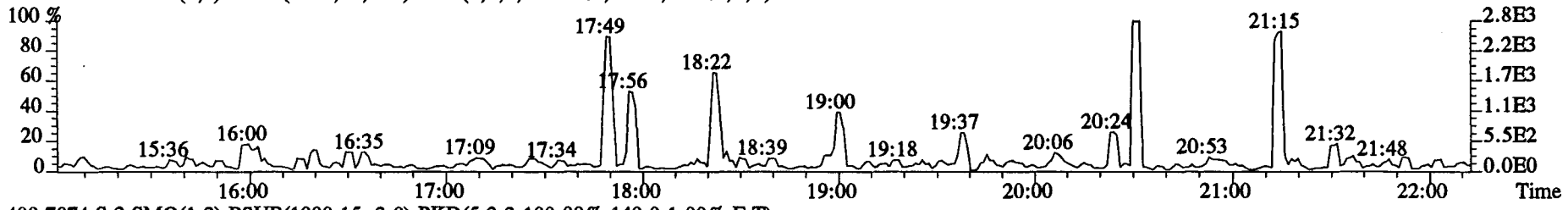
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1020.0,1.00%,F,T)



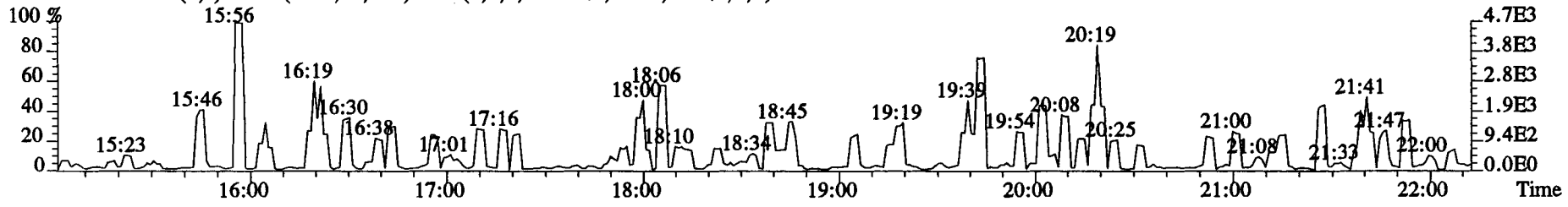
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2116.0,1.00%,F,T)



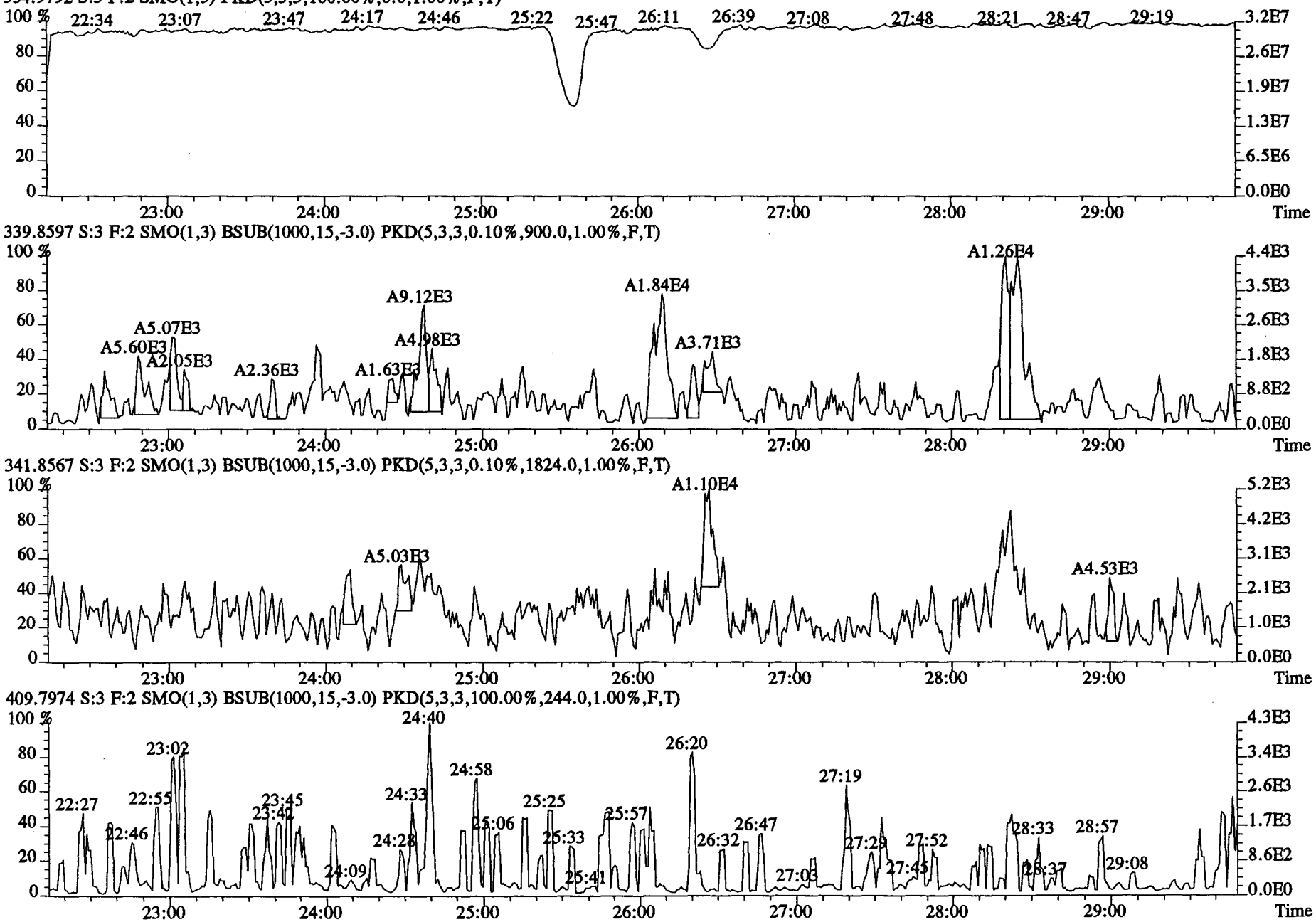
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,124.0,1.00%,F,T)



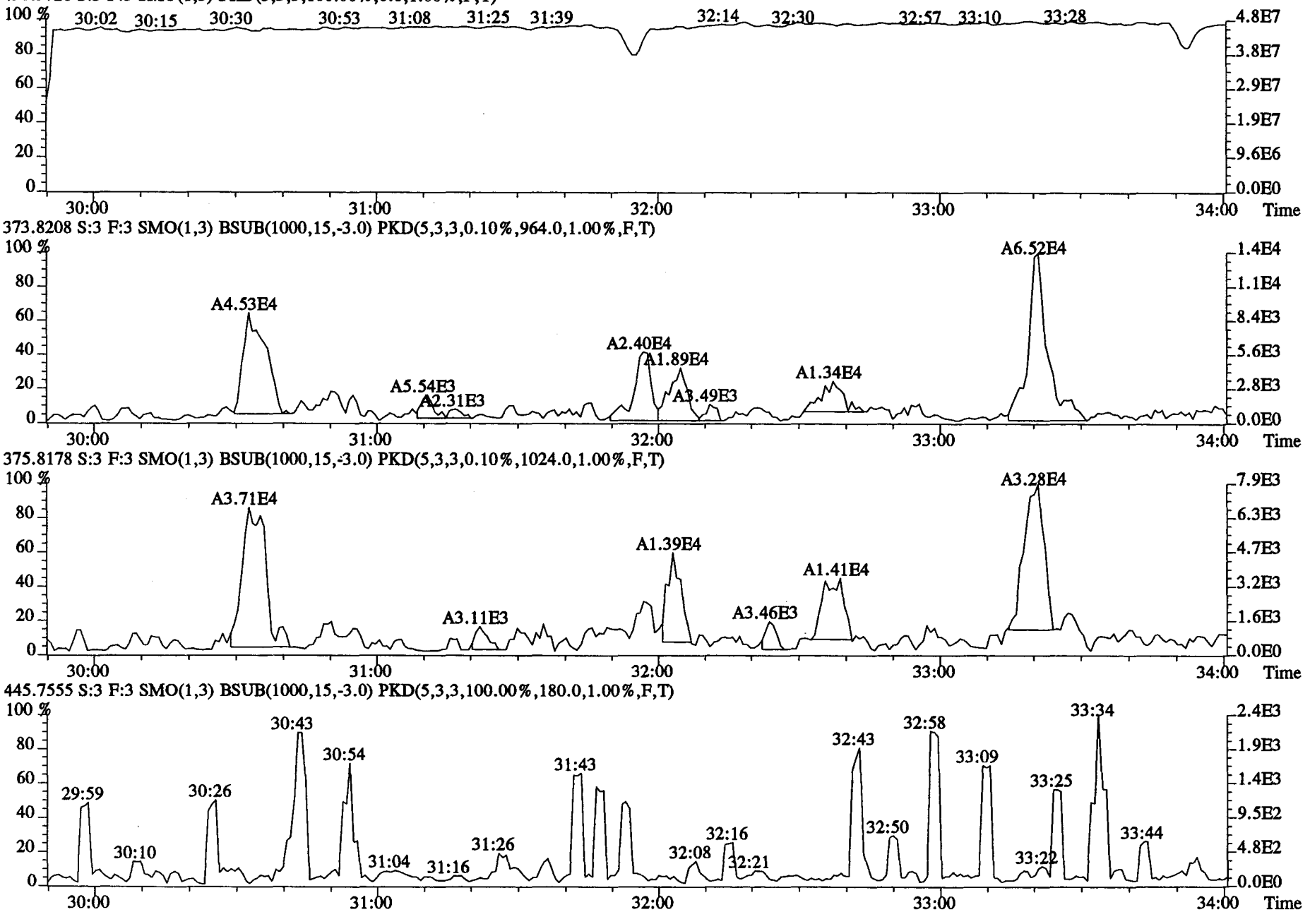
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,140.0,1.00%,F,T)



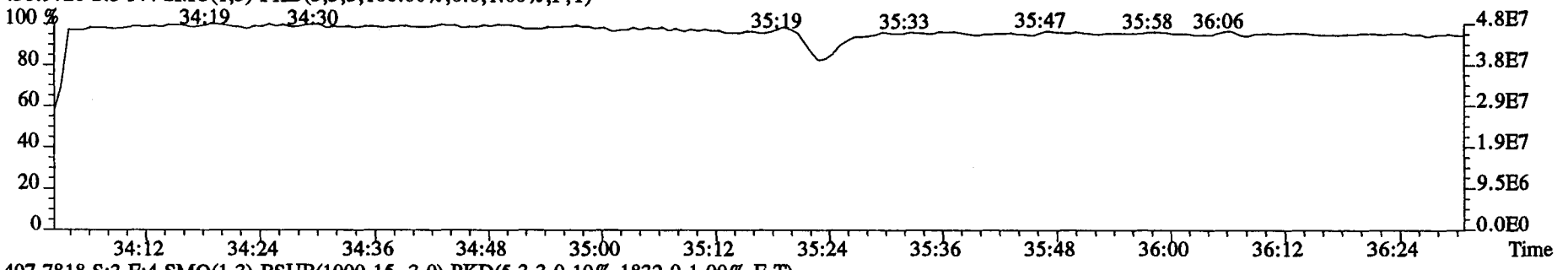
File:27AP104D5 #1-604 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

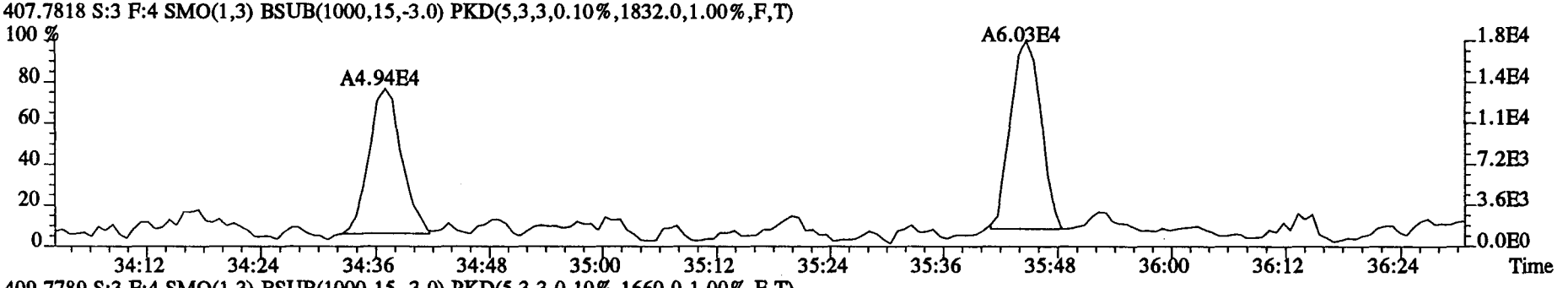


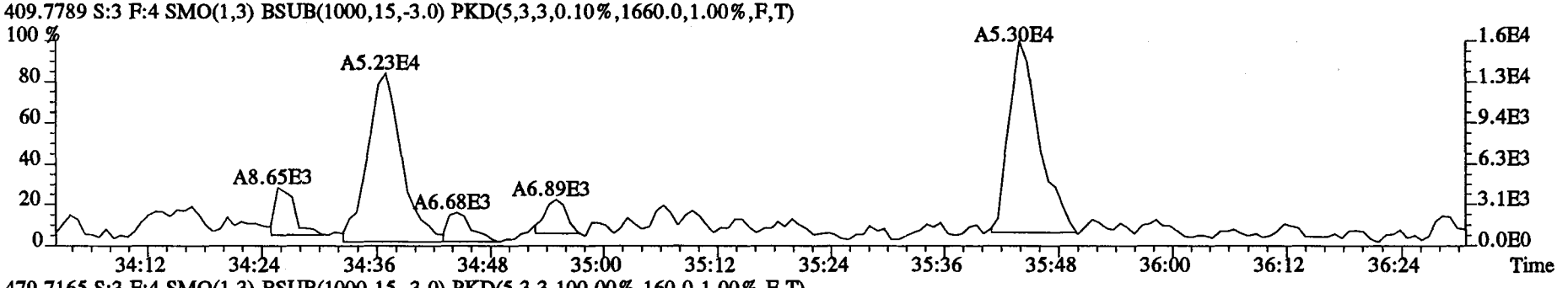
File:27AP104D5 #1-317 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

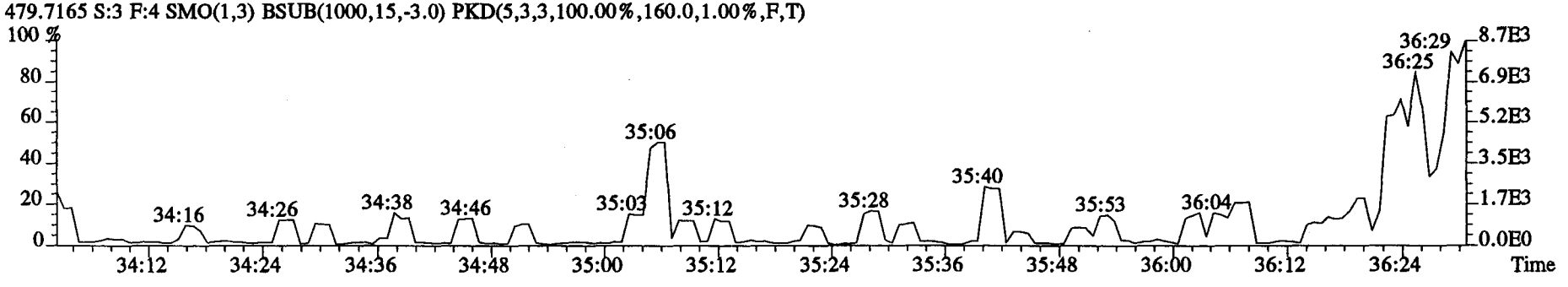


File:27AP104D5 #1-198 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

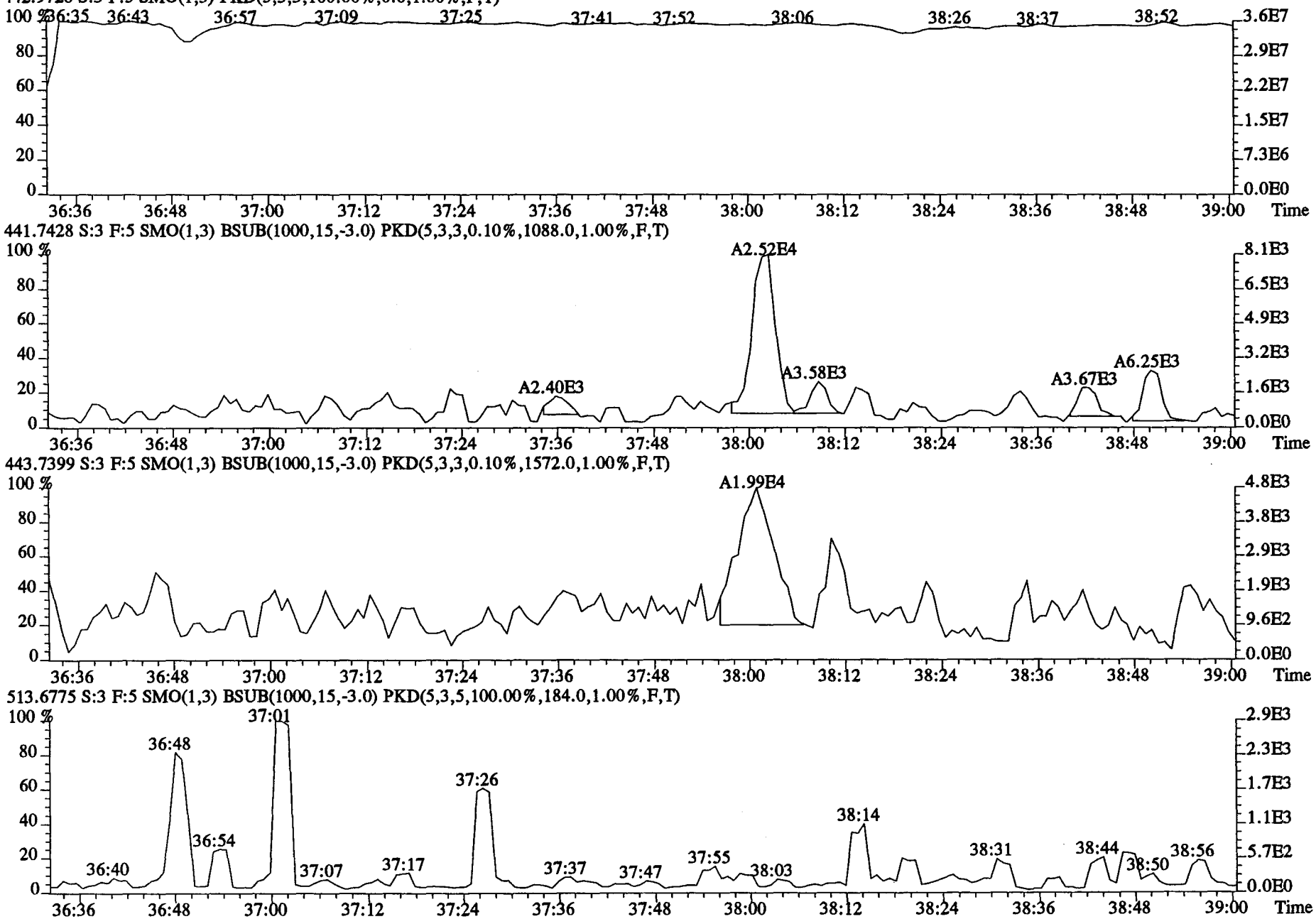






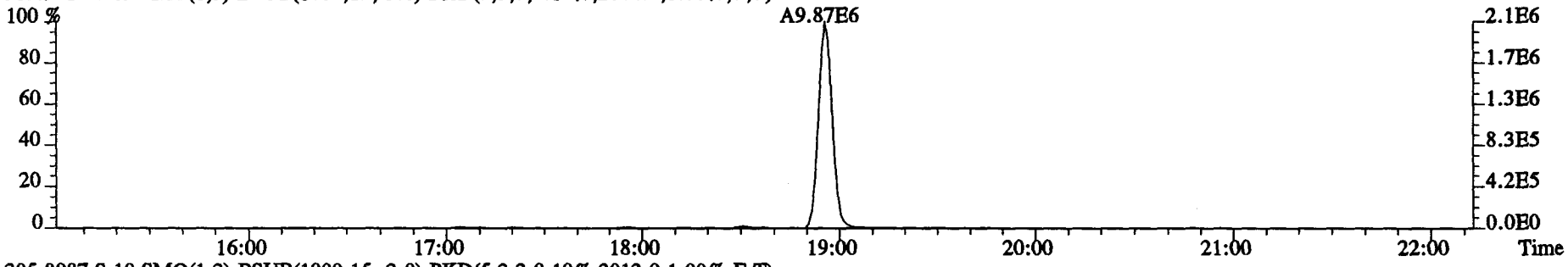


File:27AP104D5 #1-190 Acq:27-APR-2010 13:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:SB0427 :Solvent Blank C-14 Exp:DIOXINRES8290A

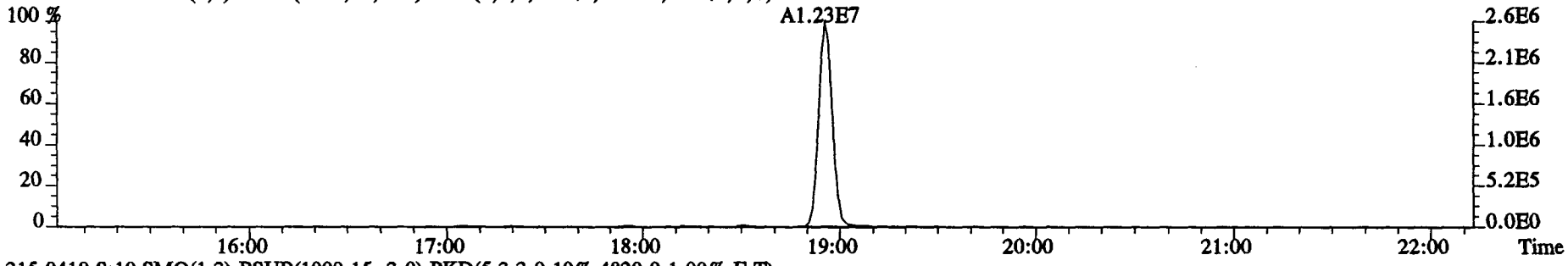


File:27AP104D5 #1-434 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

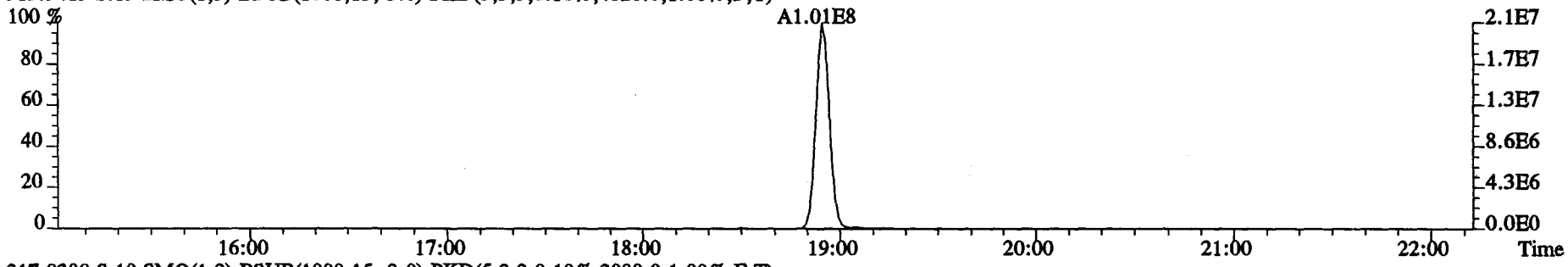
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2064.0,1.00%,F,T)



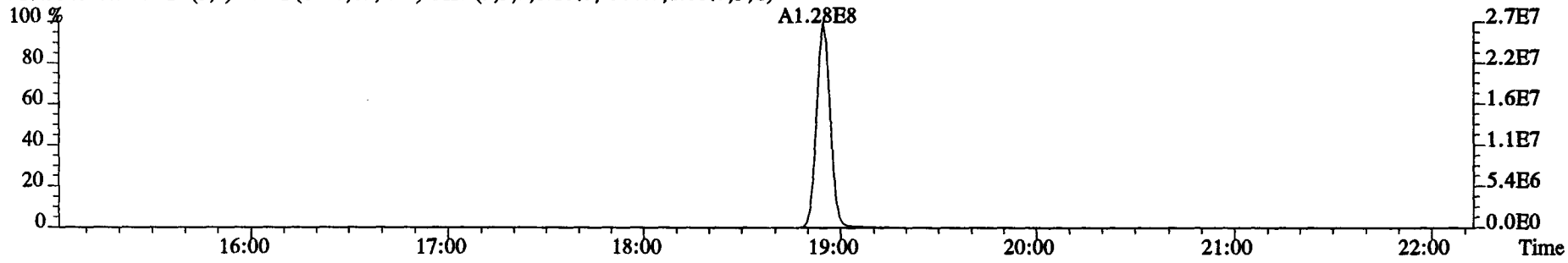
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)



315.9419 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4820.0,1.00%,F,T)

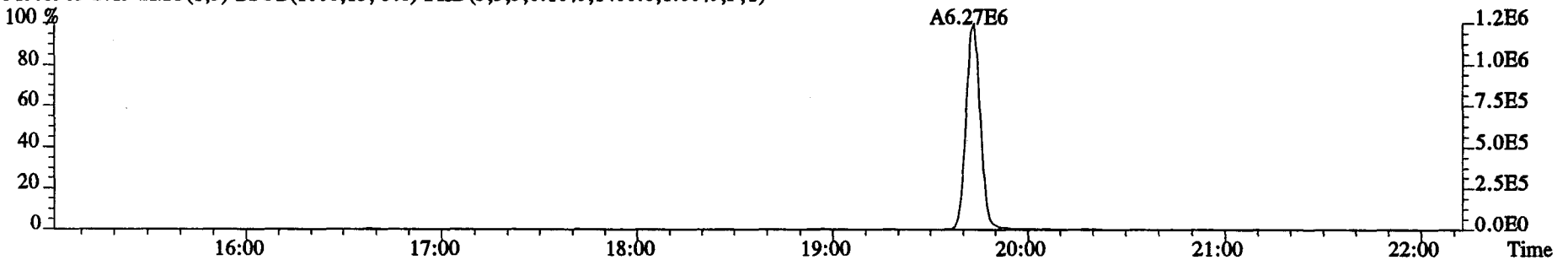


317.9389 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)

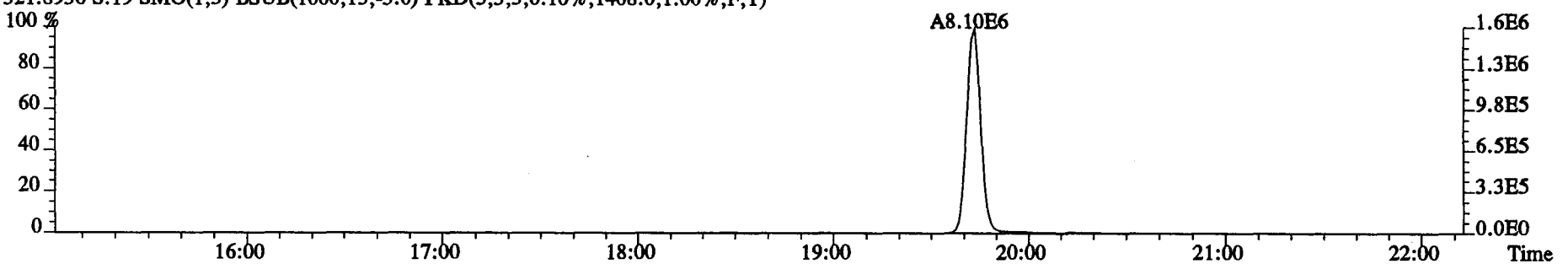


File:27AP104D5 #1-434 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

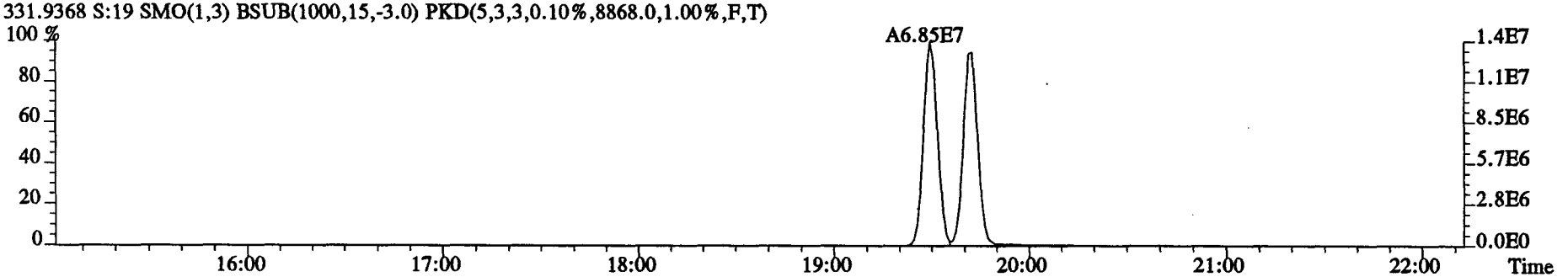
319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1400.0,1.00%,F,T)



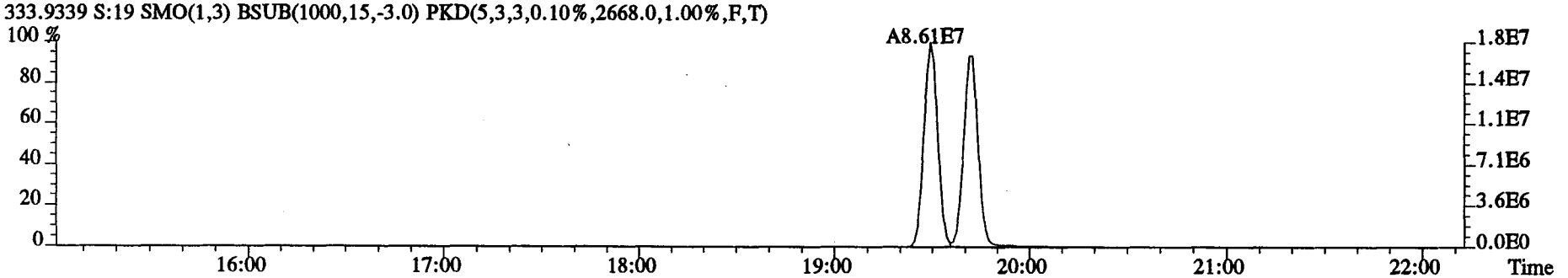
321.8936 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)



331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8868.0,1.00%,F,T)

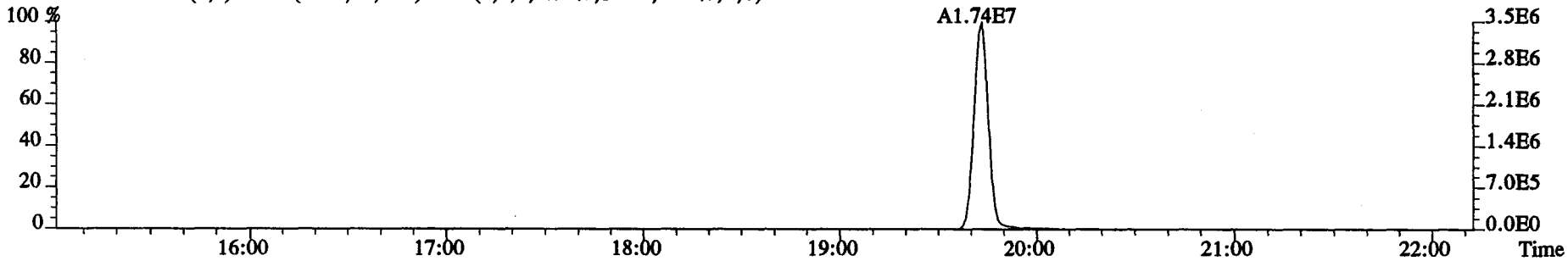


333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2668.0,1.00%,F,T)

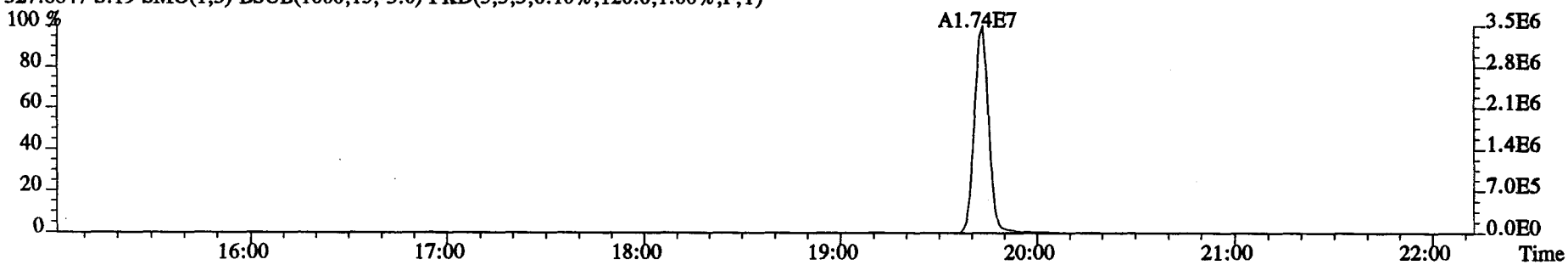


File:27AP104D5 #1-434 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

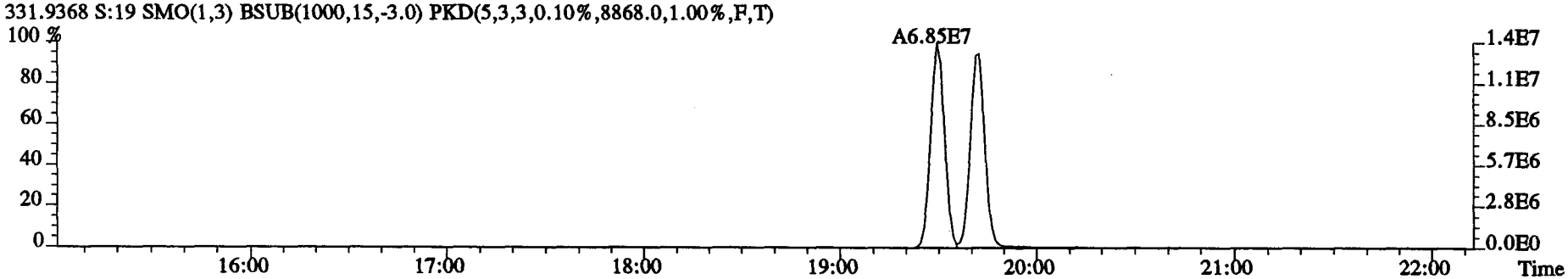
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)



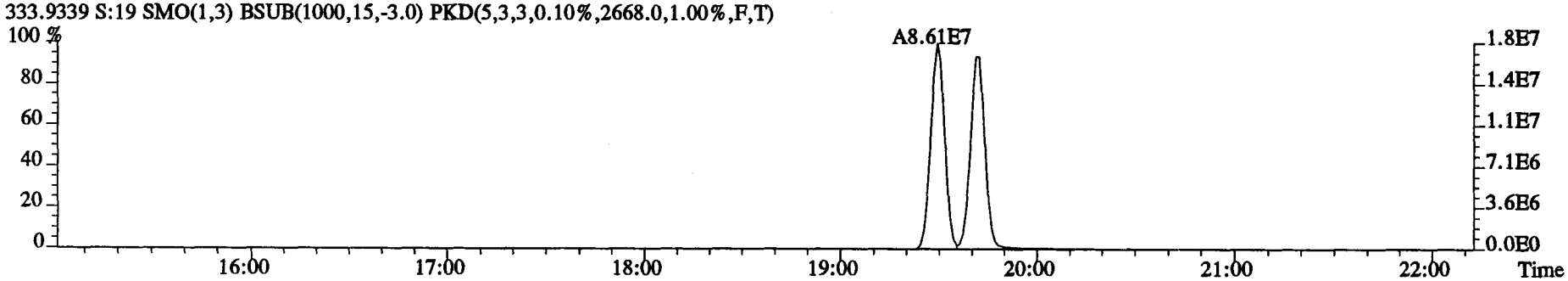
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)



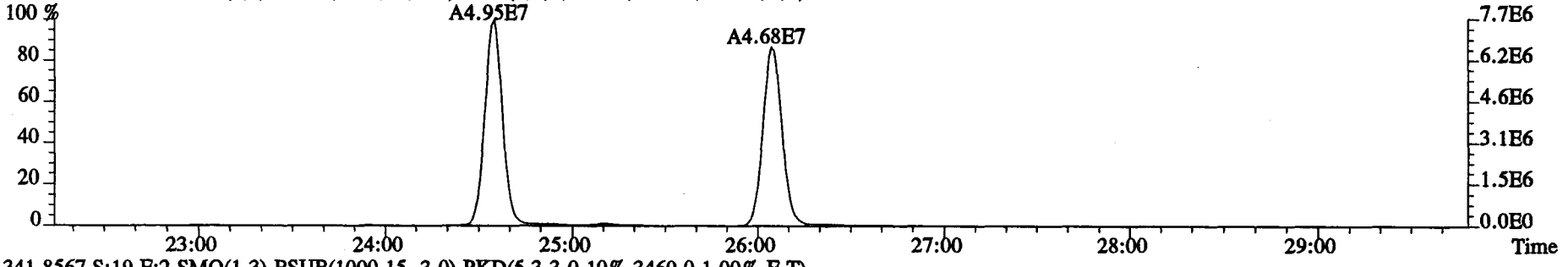
331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8868.0,1.00%,F,T)



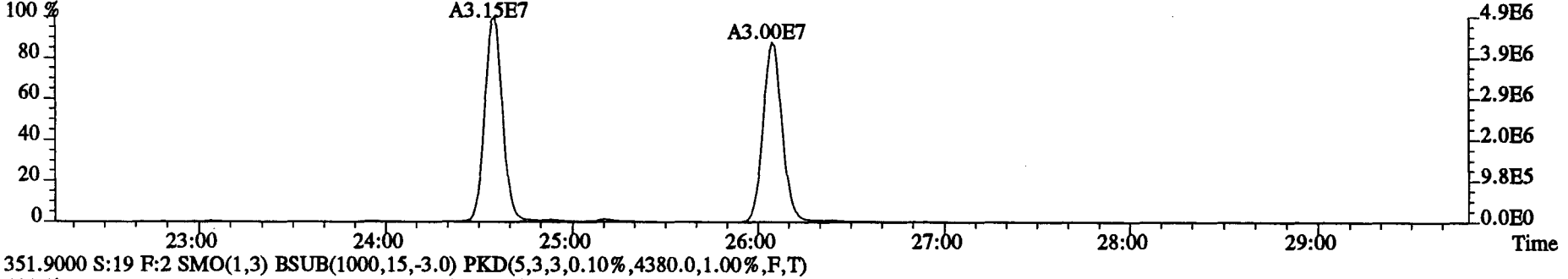
333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2668.0,1.00%,F,T)



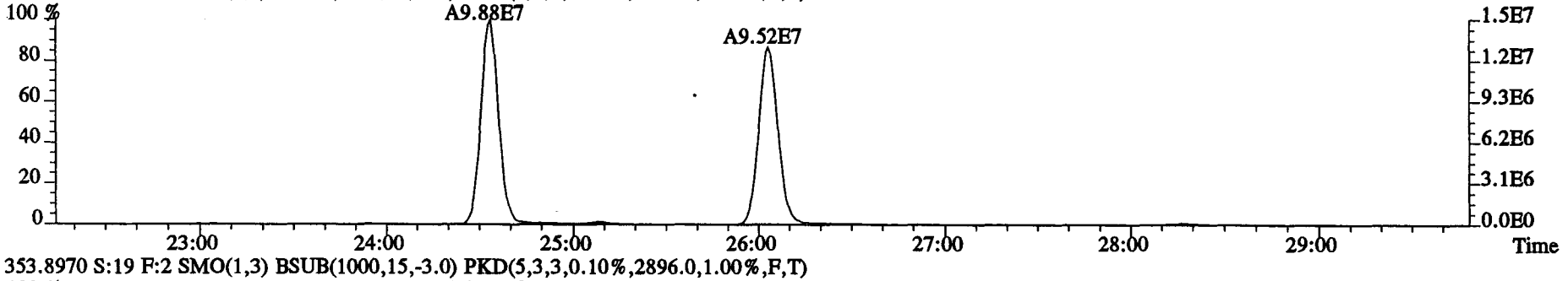
File:27AP104D5 #1-604 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2968.0,1.00%,F,T)



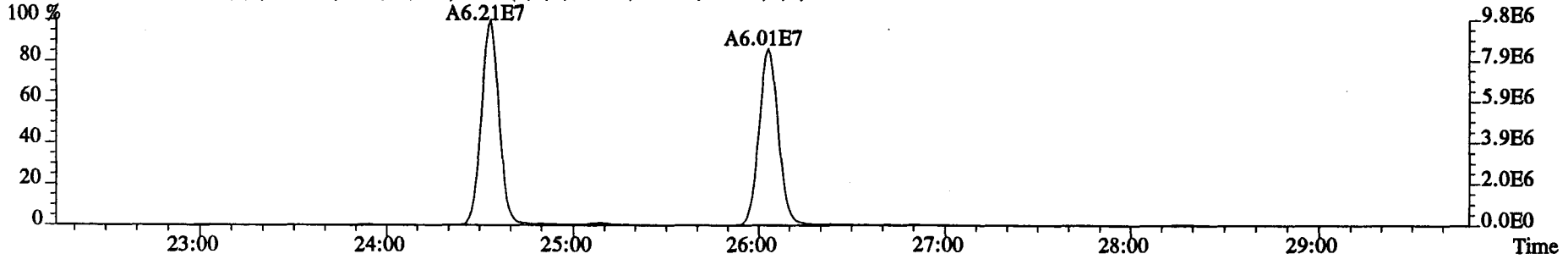
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3460.0,1.00%,F,T)



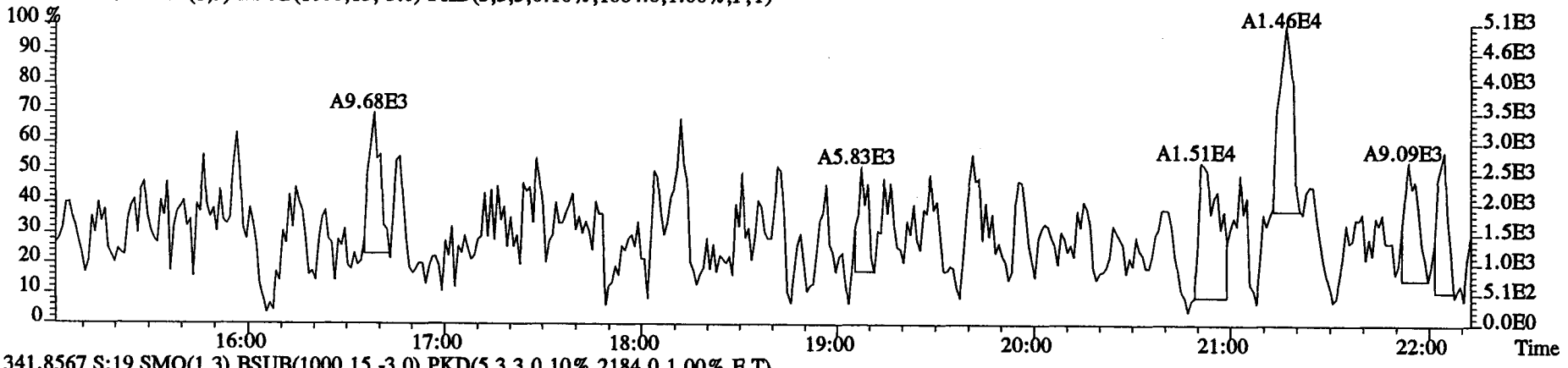
351.9000 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4380.0,1.00%,F,T)



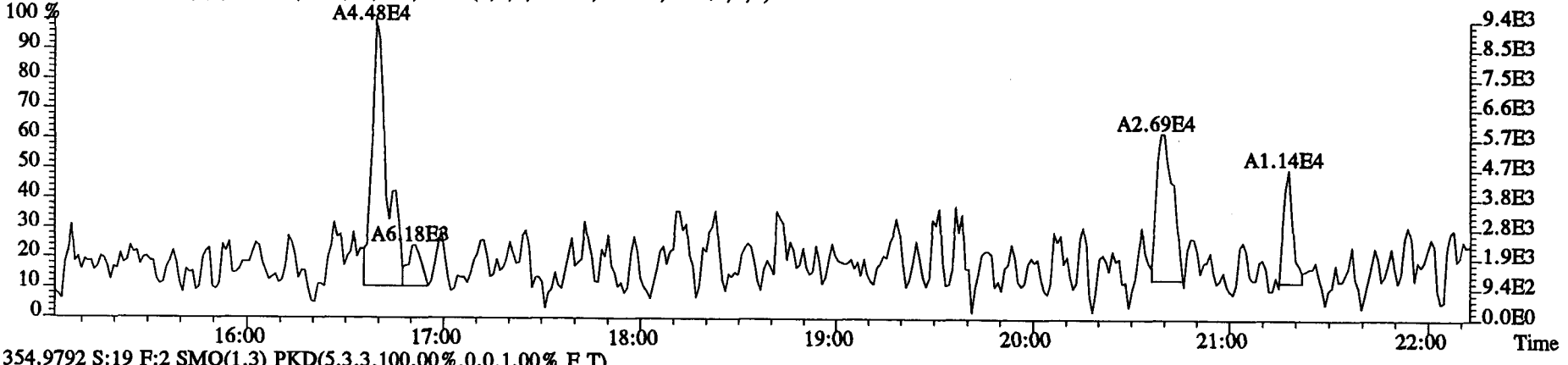
353.8970 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)



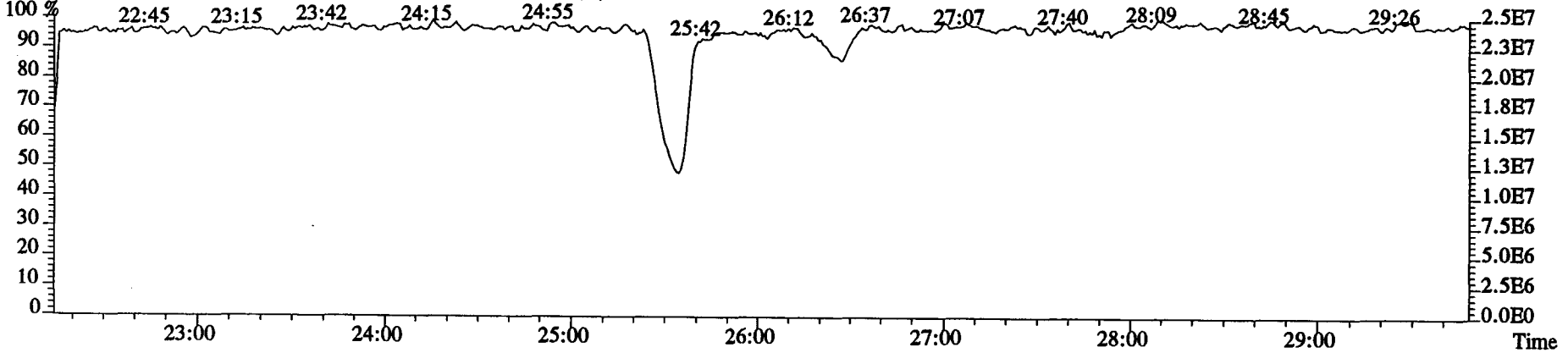
File:27AP104D5 #1-434 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1884.0,1.00%,F,T)



341.8567 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)

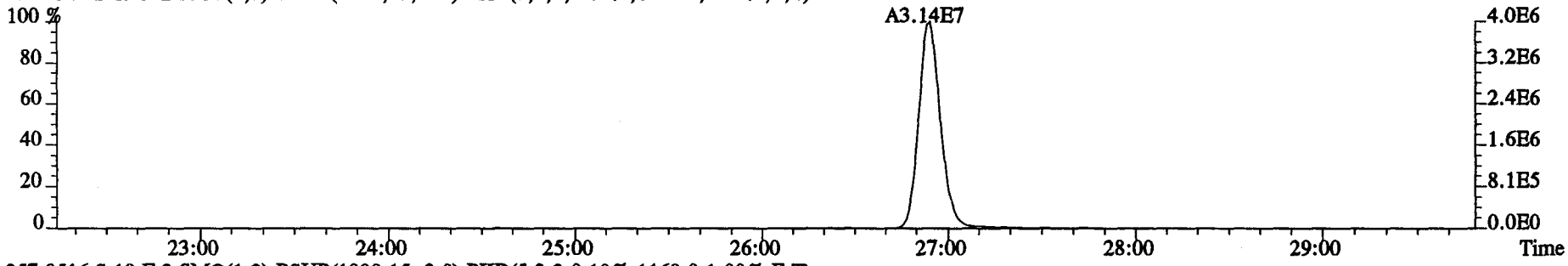


354.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

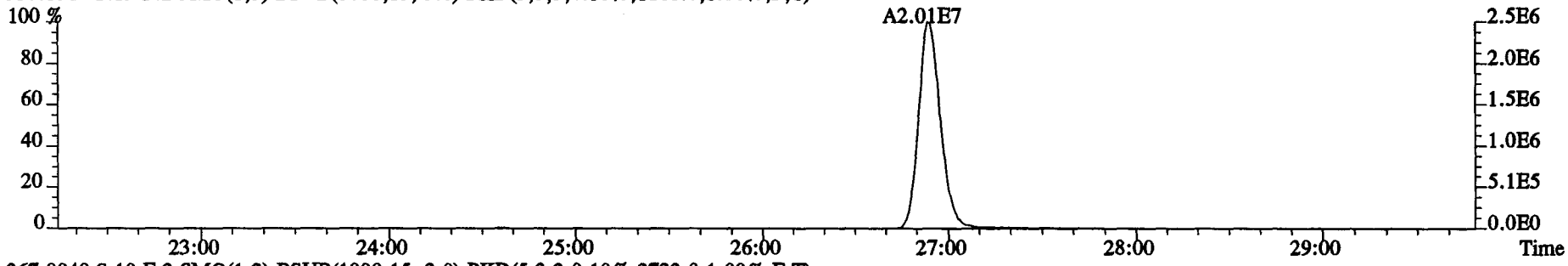


File:27AP104D5 #1-604 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

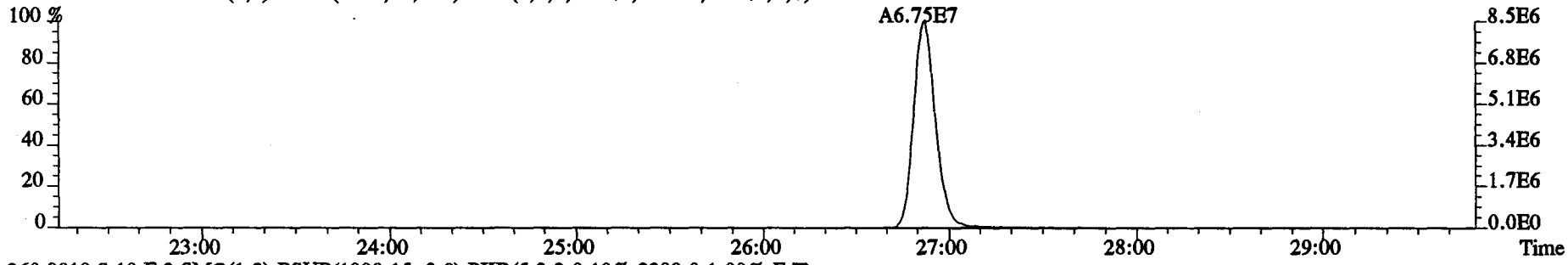
355.8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1700.0,1.00%,F,T)



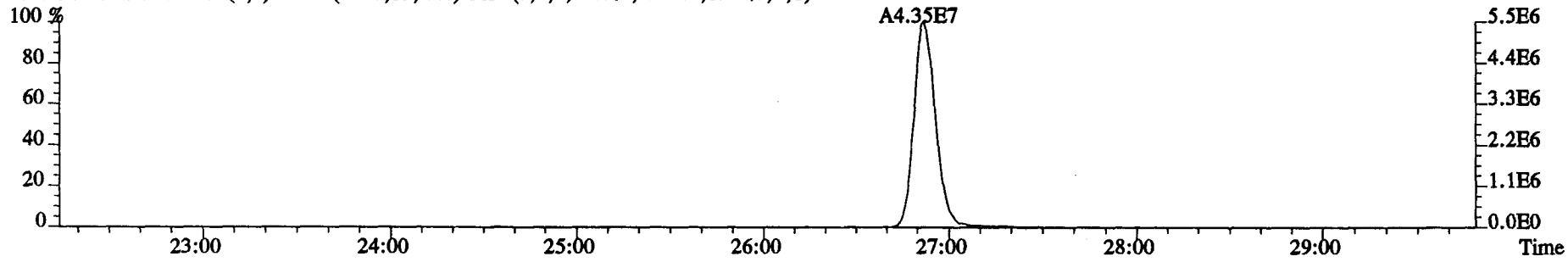
357.8516 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1168.0,1.00%,F,T)



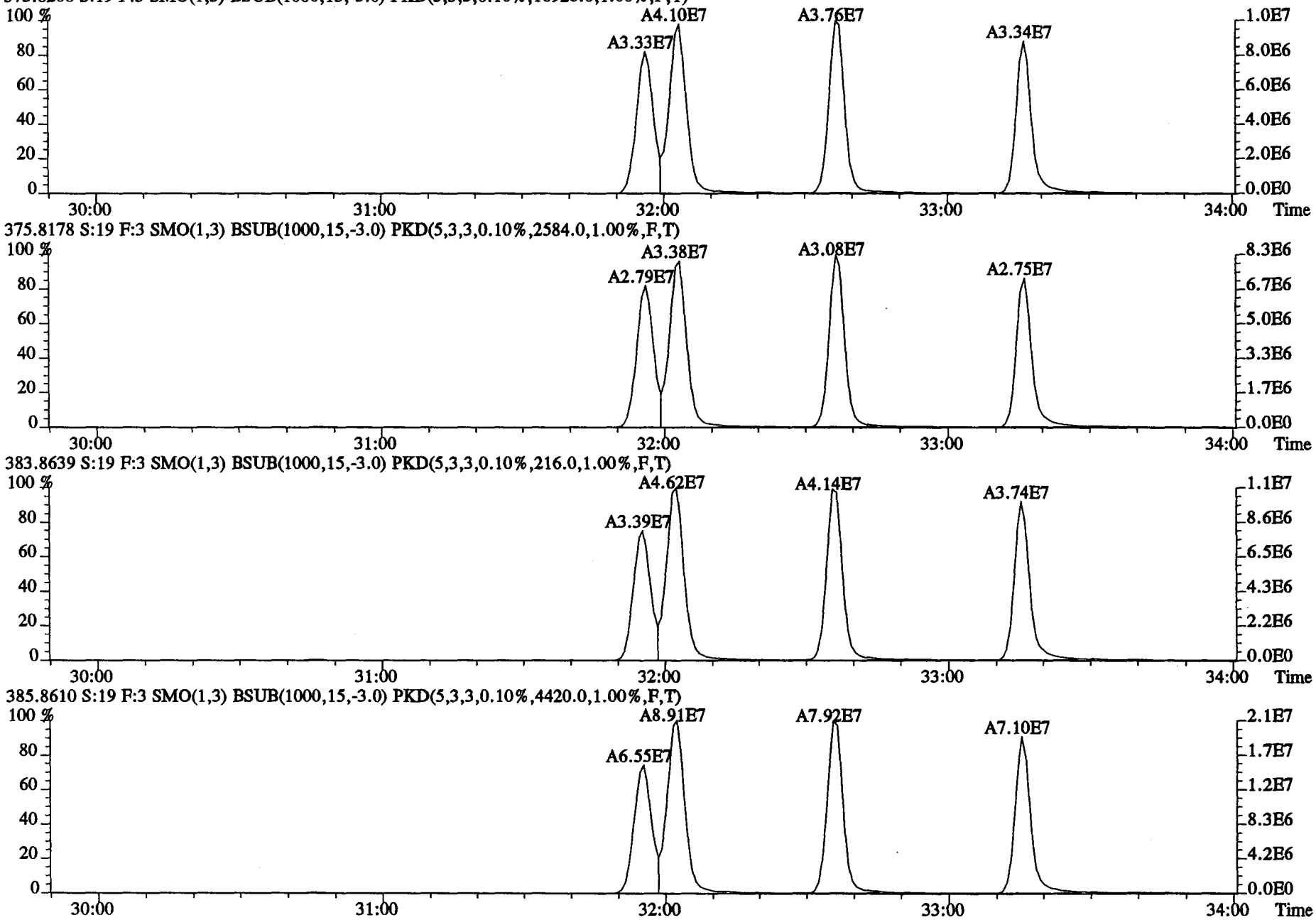
367.8949 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2732.0,1.00%,F,T)



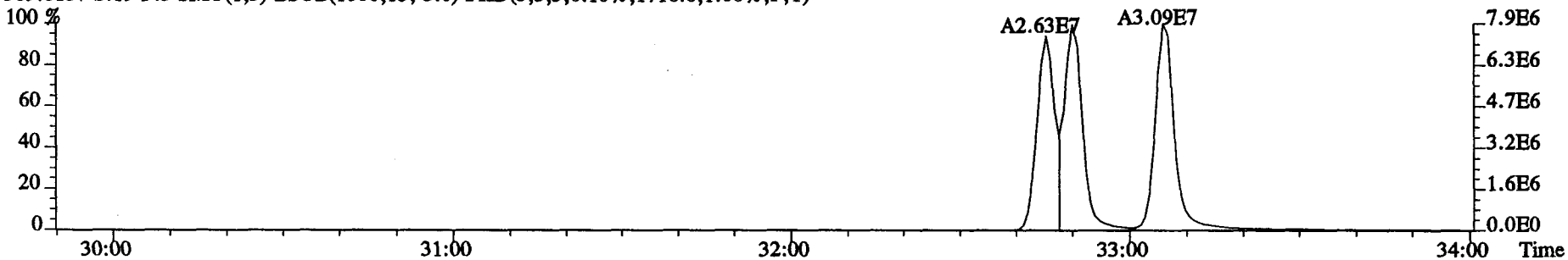
369.8919 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)



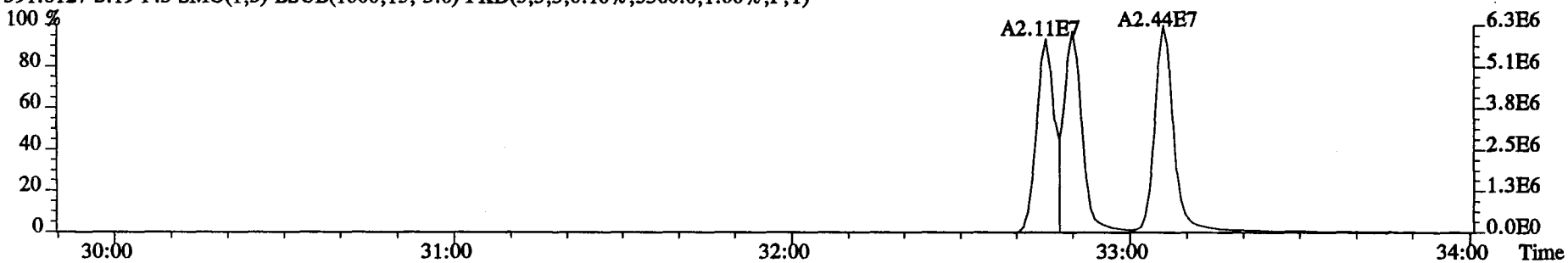
File:27AP104D5 #1-317 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A



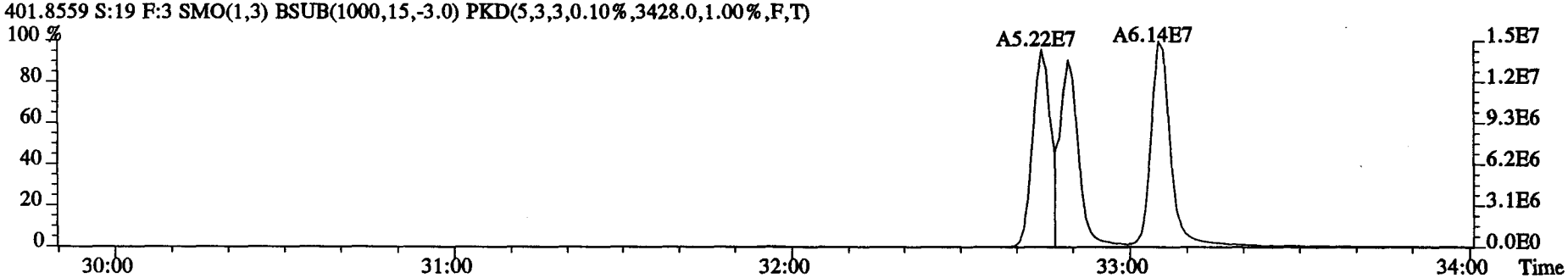
File:27AP104D5 #1-317 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
389.8157 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1716.0,1.00%,F,T)



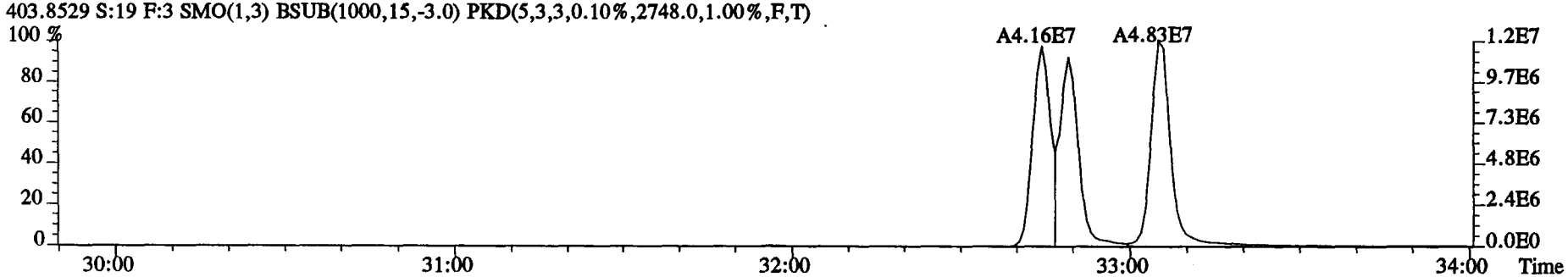
391.8127 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5360.0,1.00%,F,T)



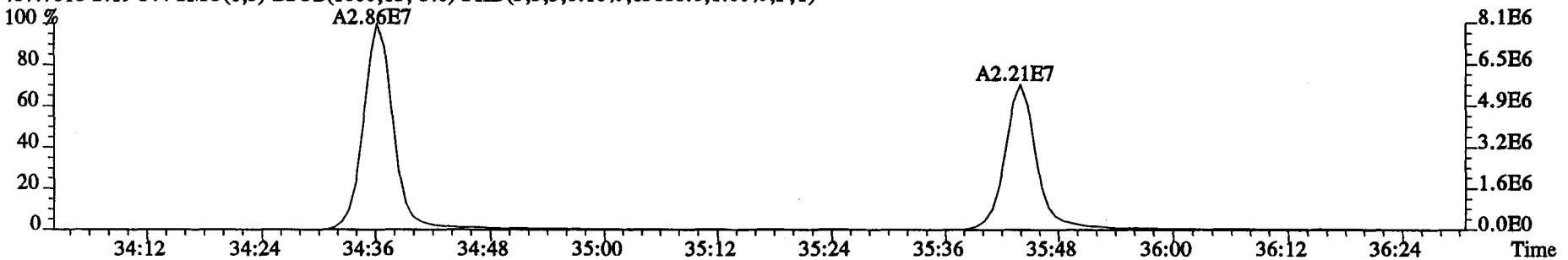
401.8559 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3428.0,1.00%,F,T)



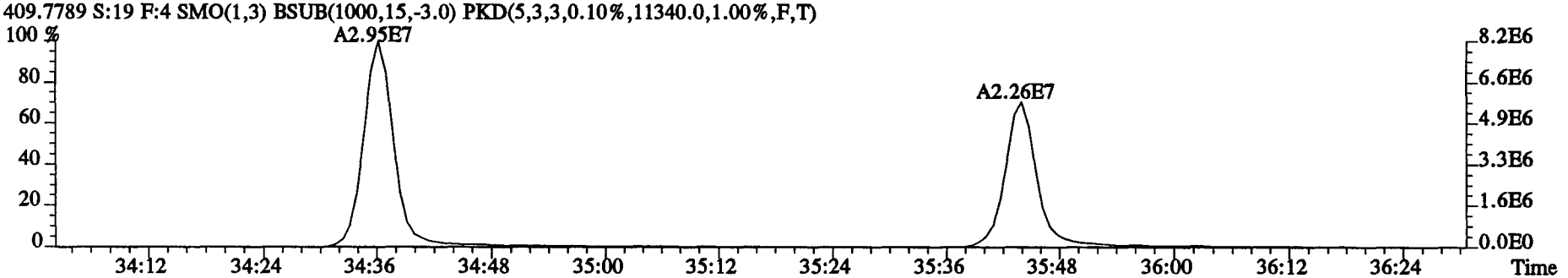
403.8529 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2748.0,1.00%,F,T)



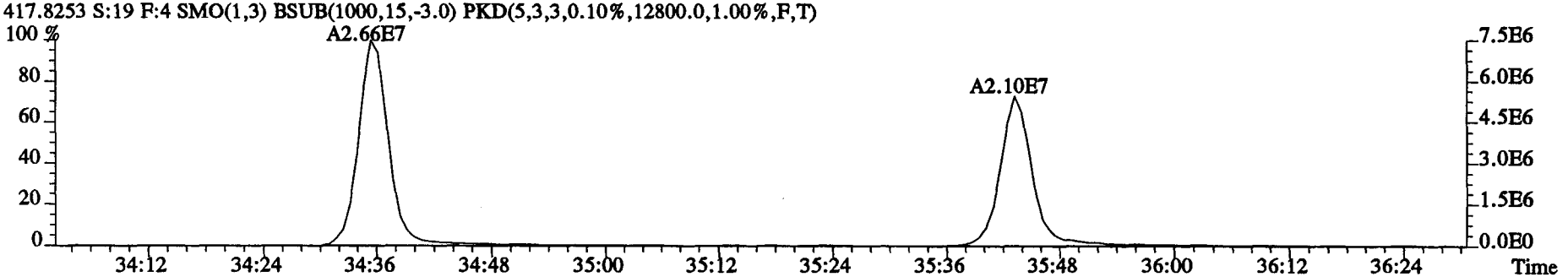
File:27AP104D5 #1-198 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
407.7818 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13888.0,1.00%,F,T)



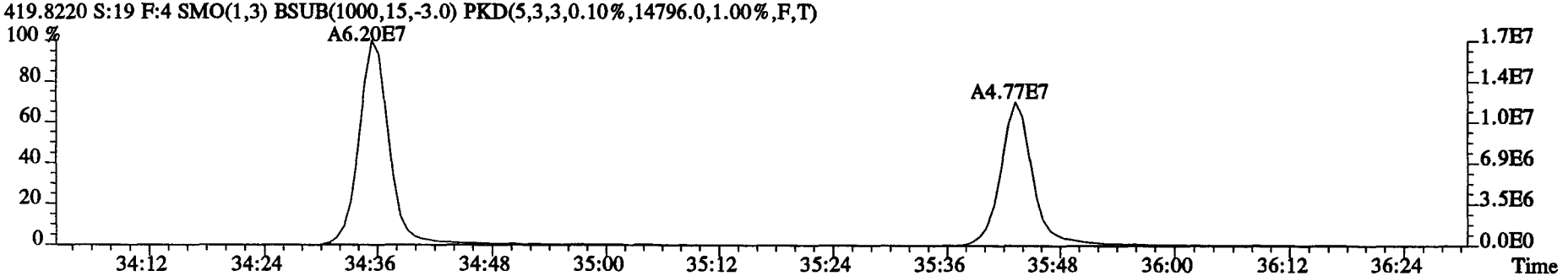
409.7789 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11340.0,1.00%,F,T)



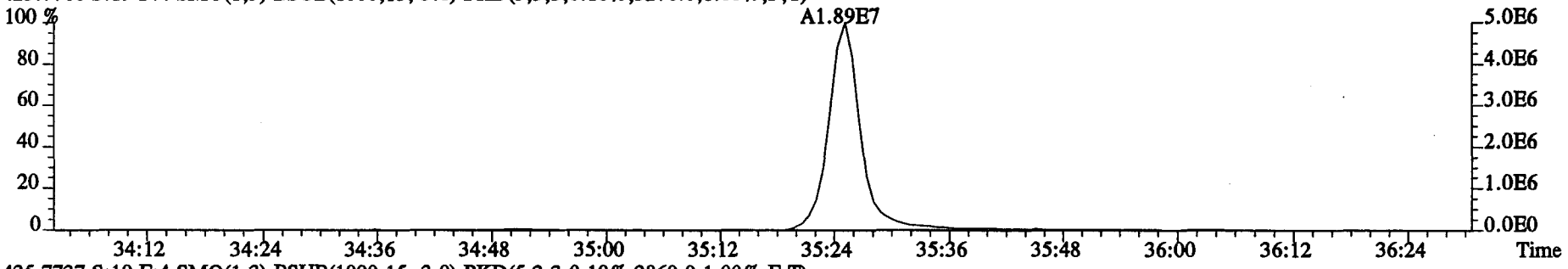
417.8253 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12800.0,1.00%,F,T)



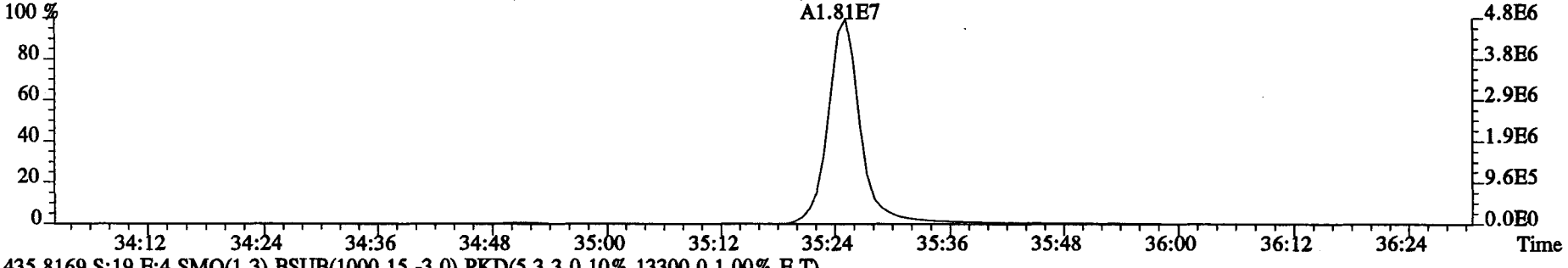
419.8220 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14796.0,1.00%,F,T)



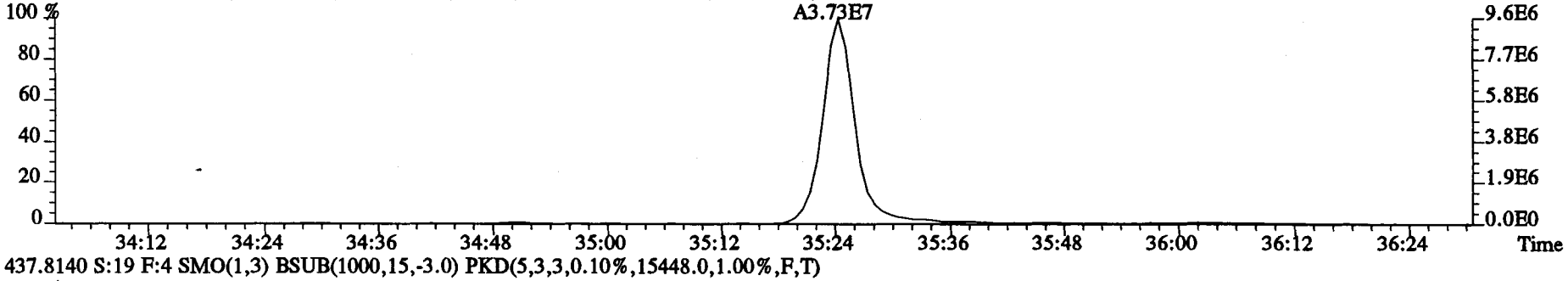
File:27AP104D5 #1-198 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
423.7766 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3276.0,1.00%,F,T)



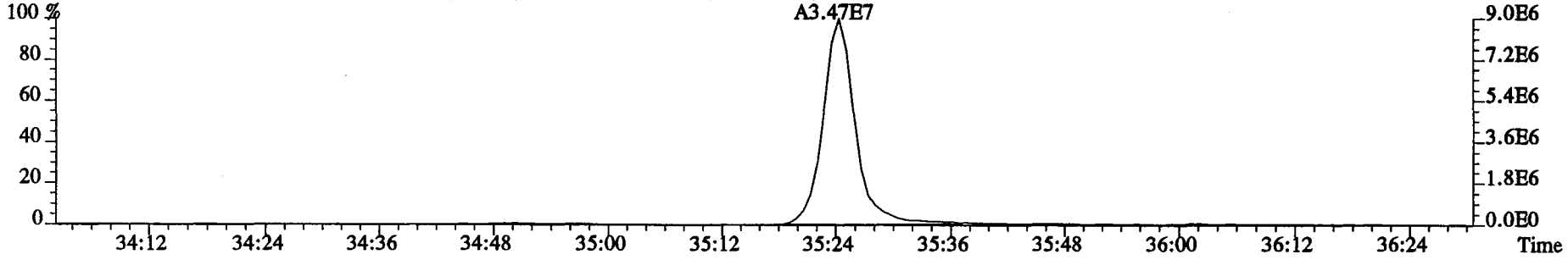
425.7737 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2860.0,1.00%,F,T)



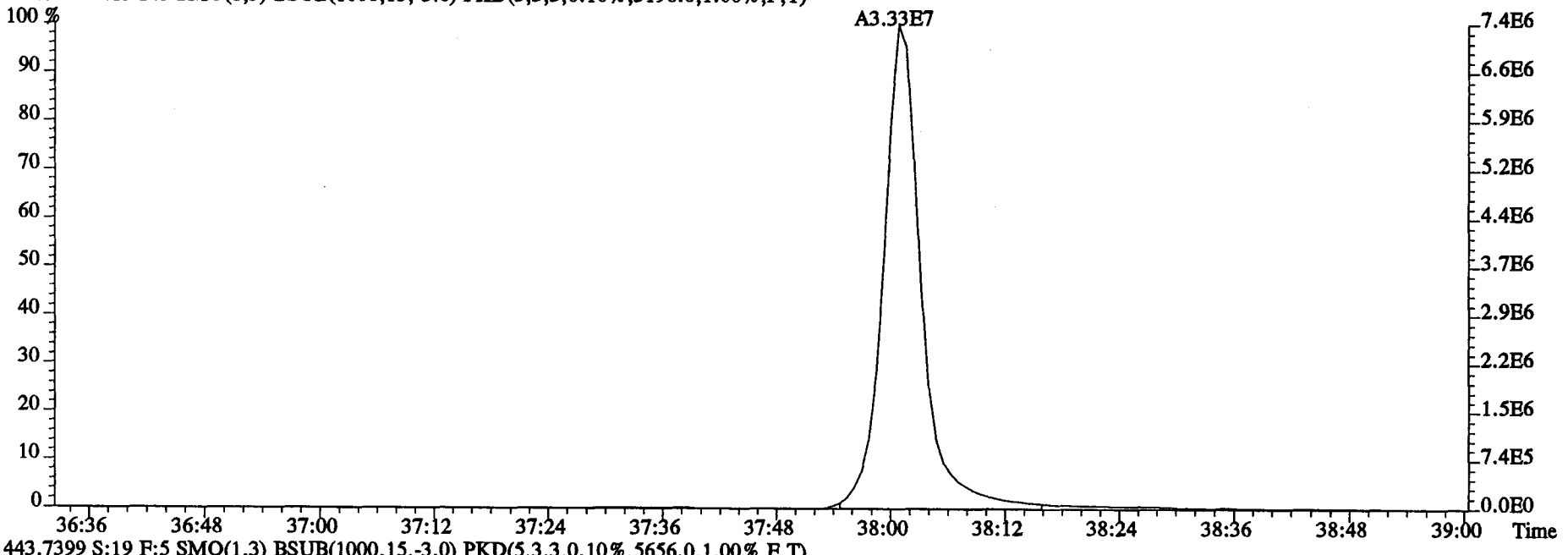
435.8169 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13300.0,1.00%,F,T)



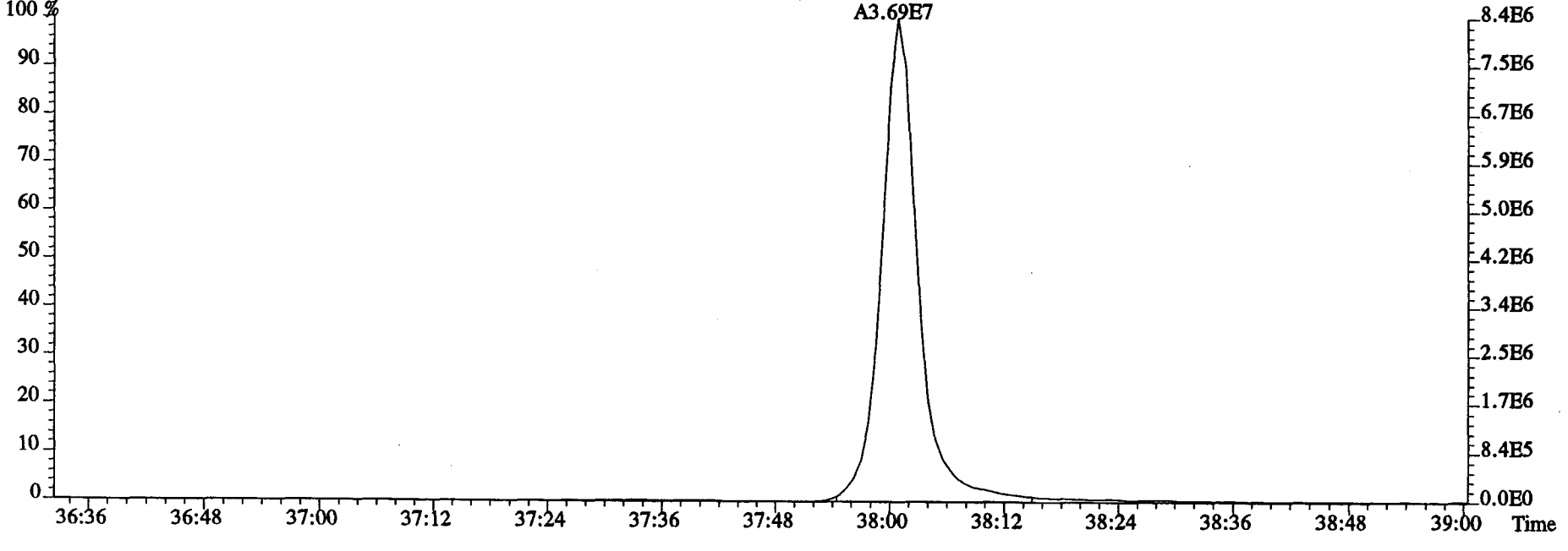
437.8140 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15448.0,1.00%,F,T)



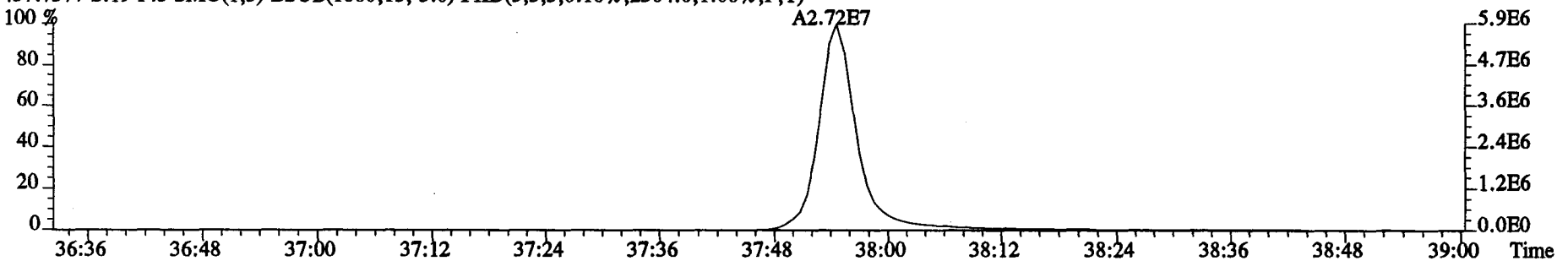
File:27AP104D5 #1-190 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)

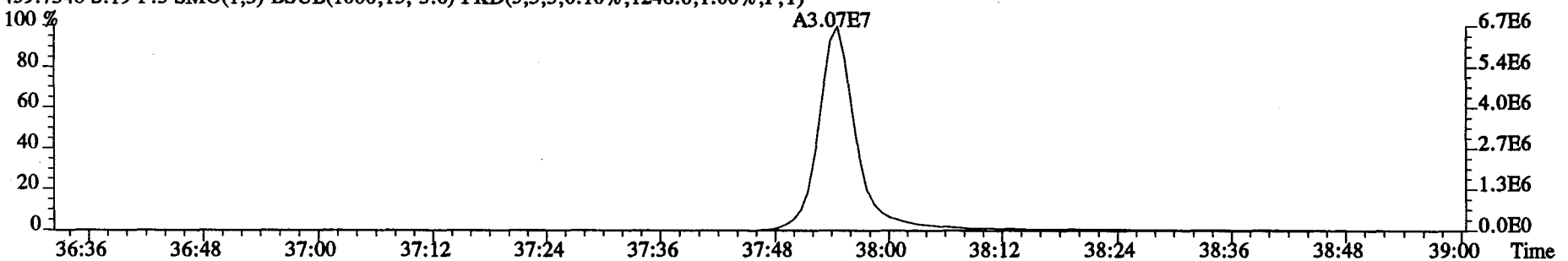


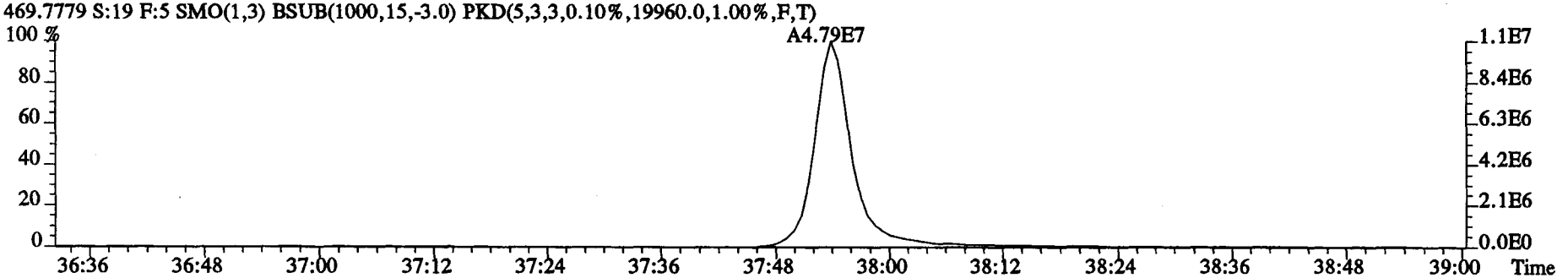
443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5656.0,1.00%,F,T)

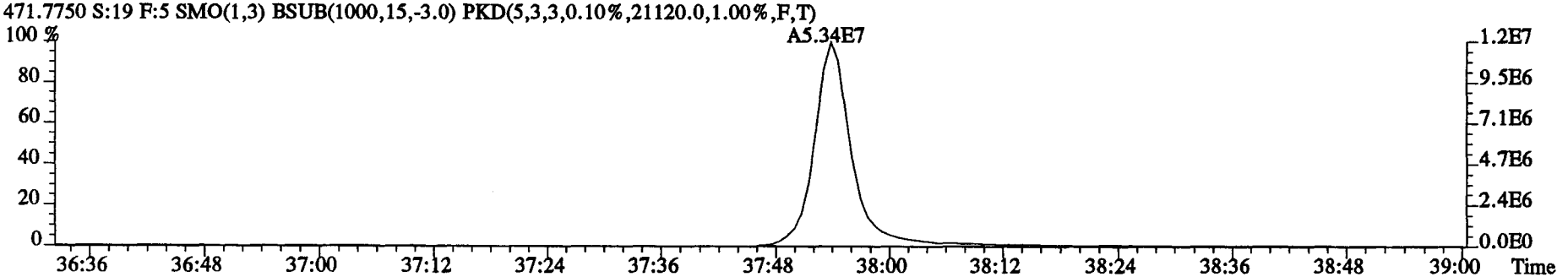


File:27AP104D5 #1-190 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

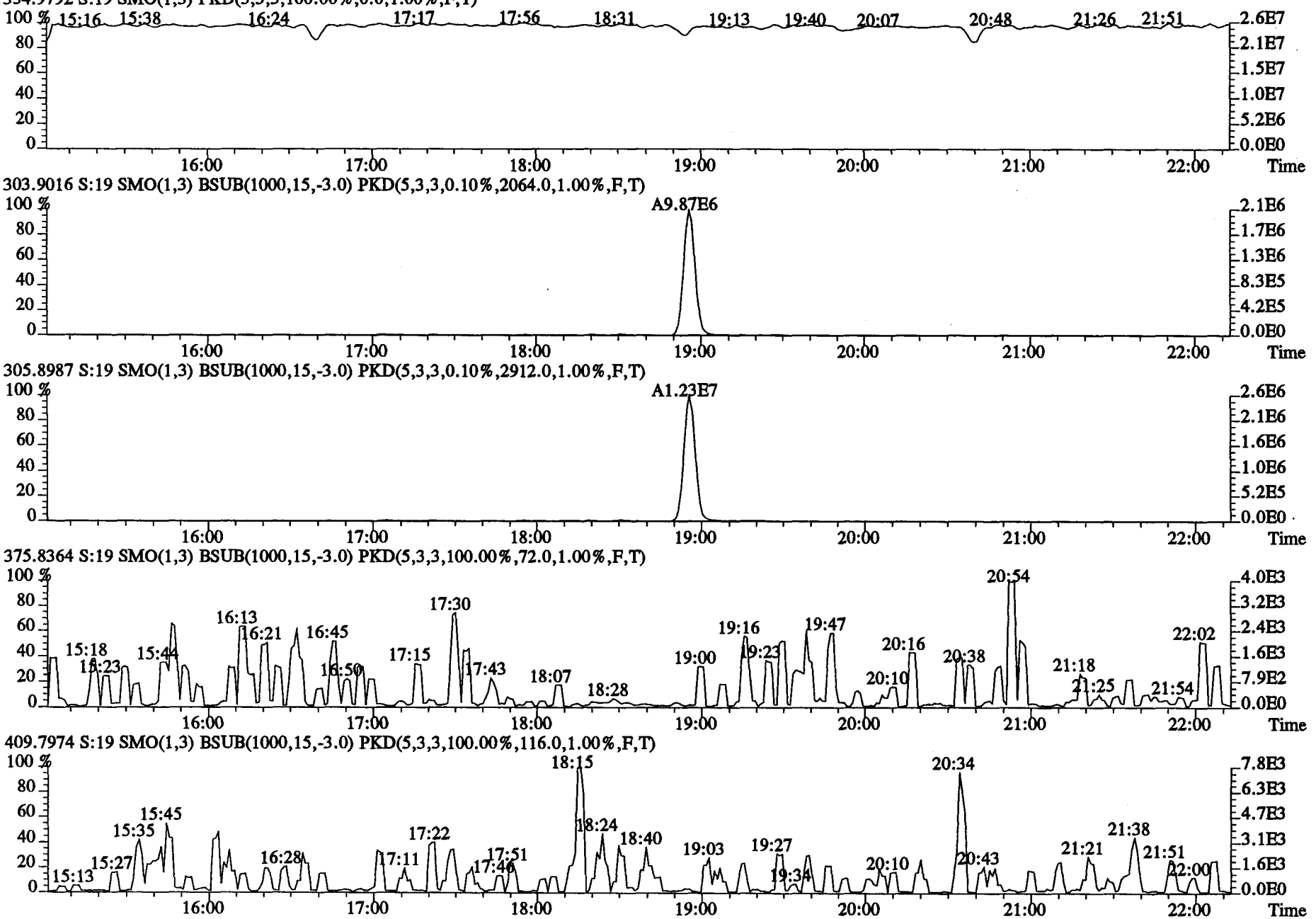




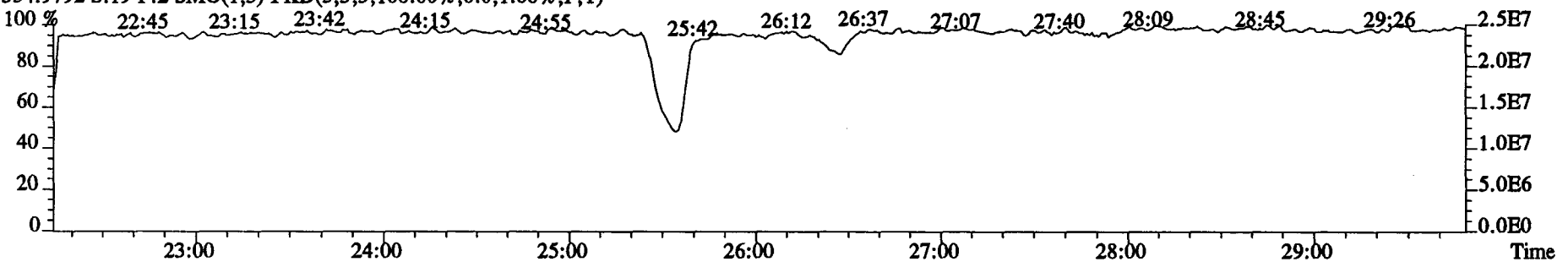


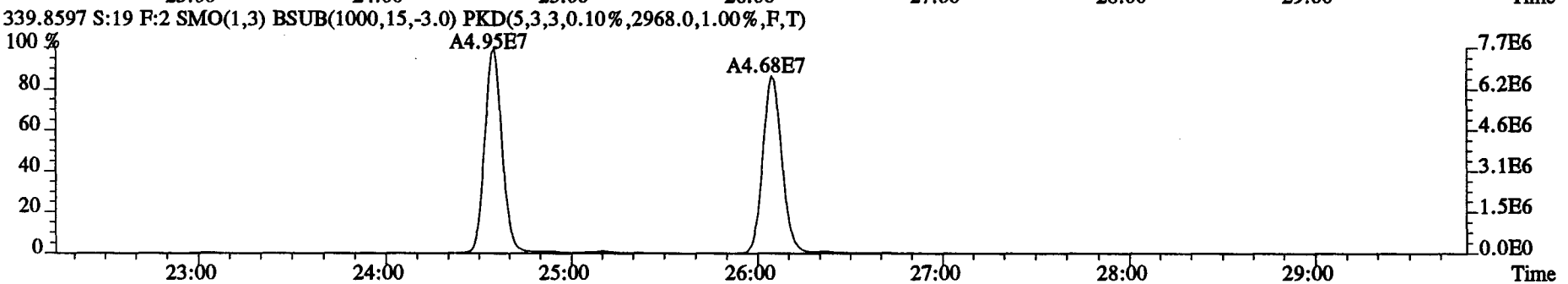


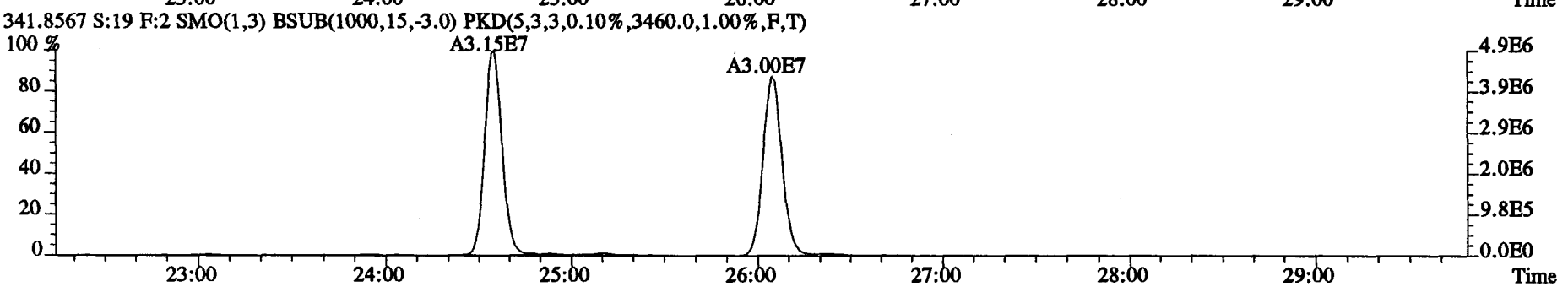
File:27AP104D5 #1-434 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

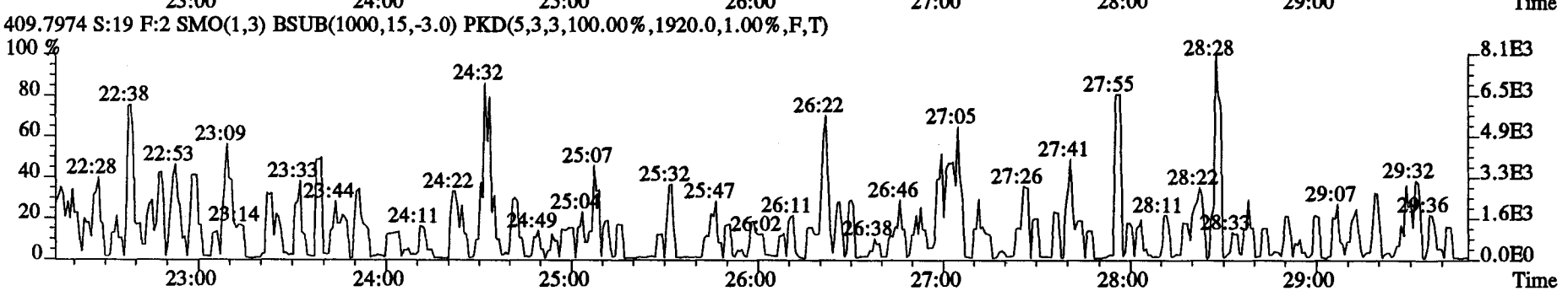


File:27AP104D5 #1-604 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

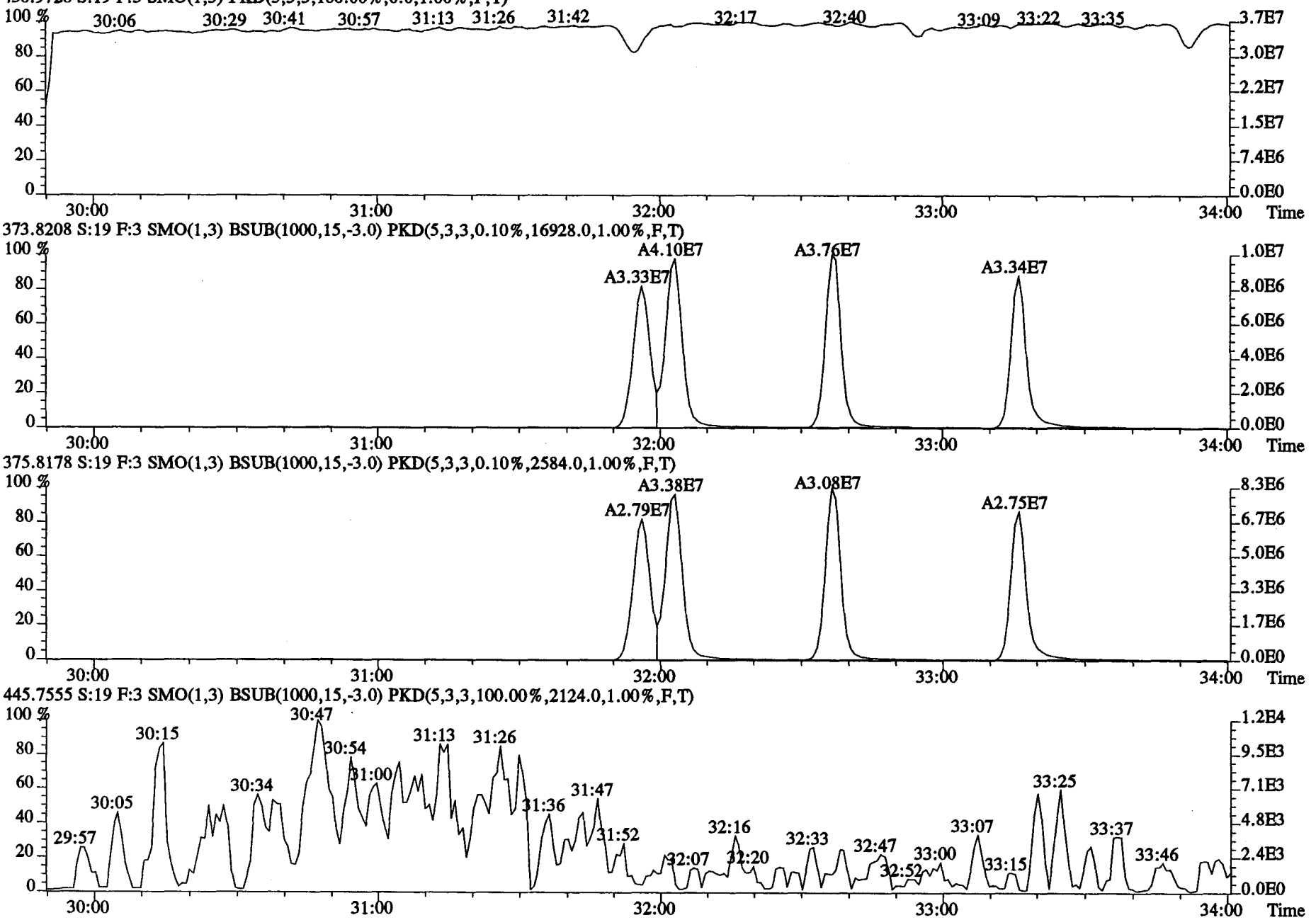




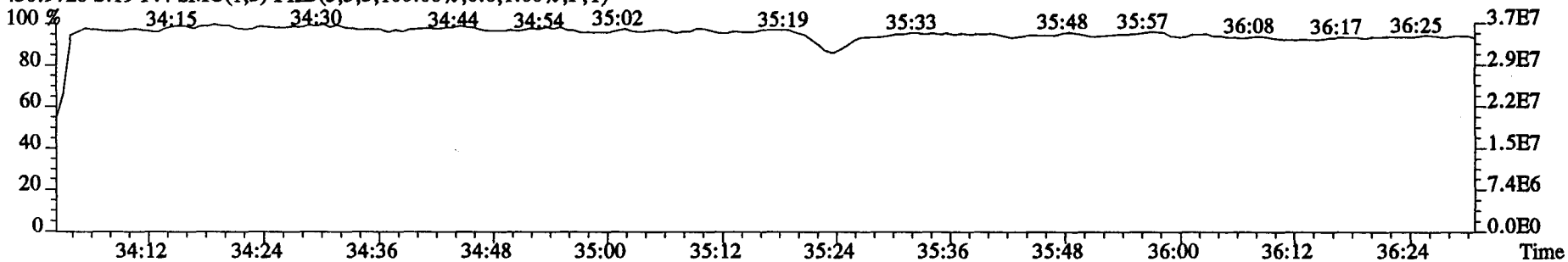


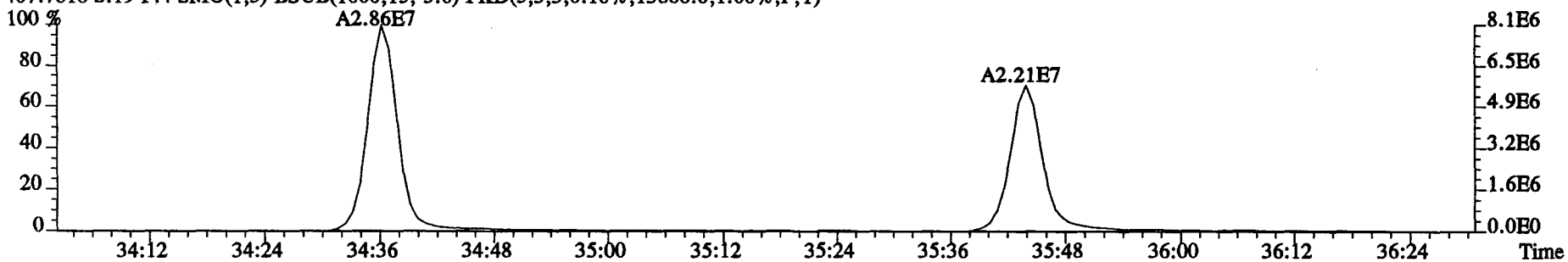


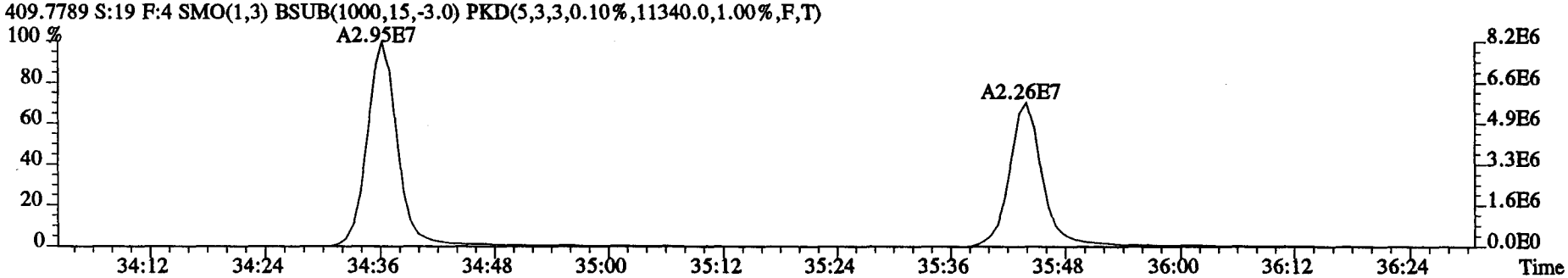
File:27AP104D5 #1-317 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

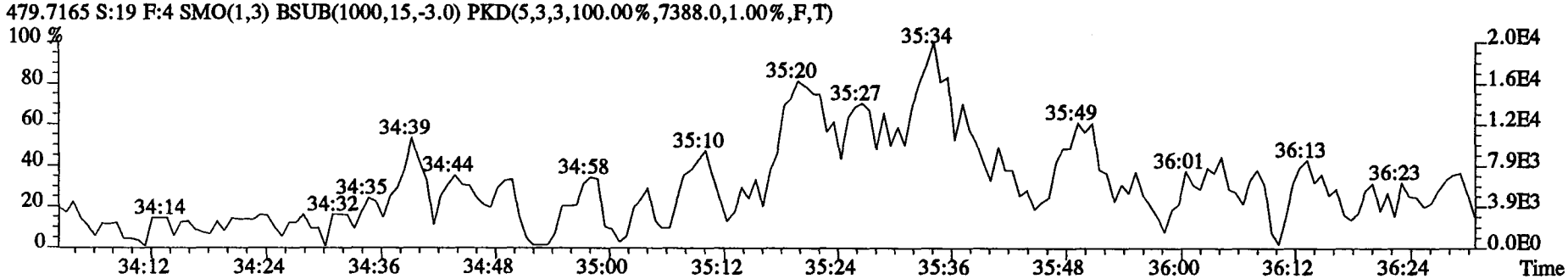


File:27AP104D5 #1-198 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A

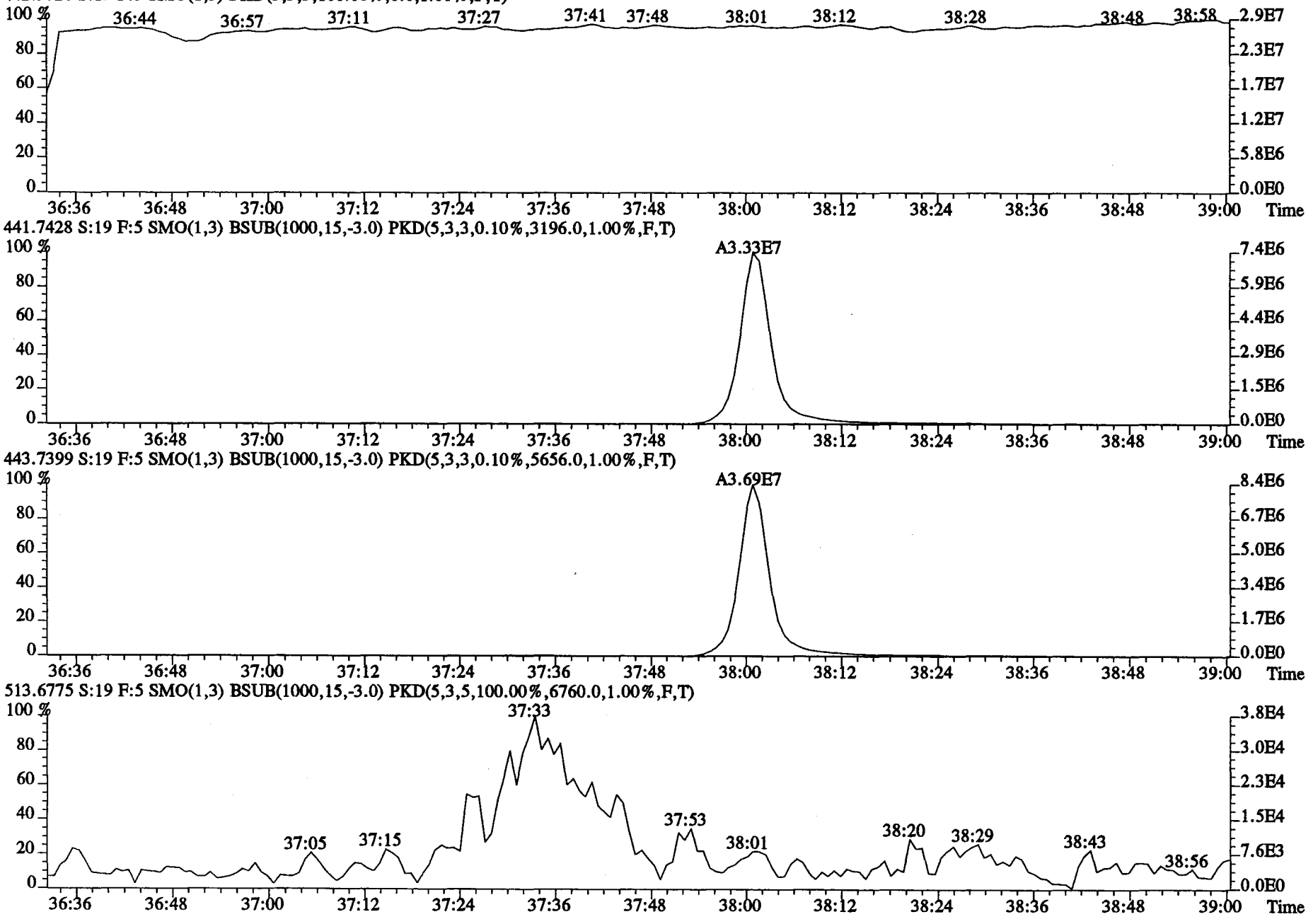








File:27AP104D5 #1-190 Acq:28-APR-2010 01:05:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0427A :CS3 10DXN083 Exp:DIOXINRES8290A



(b)

TestAmerica
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Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID 8290 **Associated ICAL** 8290A041210405

Column ID DB5 **Instrument ID** 405

STD ID STD424A, STD424B **STD Solution** 10DXNOR3

Analyzed by MC **Date Analyzed** 4/24/10, 4/25/10

Std. Pkg. By MSO **Date Std. Pkg. Assembled** 4/26/10

Std. Pkg. Reviewed By M.C. **Date Std. Pkg. Reviewed** 4/26/10

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: ST0424A File text: ST0424A :CS3 10DXN083
Run #22 Filename 24AP104D5 S: 19 I: 1
Acquired: 24-APR-10 22:22:32 Processed: 26-APR-10 15:21:24
Run: 24AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 24AP104D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	164496400	0.79 y	19:31	-	100.00	-	n
13C-2,3,7,8-TCDF	249312000	0.77 y	18:56	1.52	100.00	-0.3	n
2,3,7,8-TCDF	22548580	0.79 y	18:57	0.90	10.00	-4.3	n
Total TCDF	22956815	1.30 n	17:05	0.90	10.00	-4.3	n
13C-2,3,7,8-TCDD	166215700	0.78 y	19:43	1.01	100.00	6.4	n
2,3,7,8-TCDD	15898380	0.77 y	19:45	0.96	10.00	-6.3	n
Total TCDD	15954617	0.90 n	18:29	0.96	10.00	-6.3	n
37Cl-2,3,7,8-TCDD	37689200	1.00 y	19:45	2.29	10.00	1.3	n
13C-1,2,3,7,8-PeCDF	170840400	1.57 y	24:35	1.04	100.00	-1.1	n
1,2,3,7,8-PeCDF	85200100	1.57 y	24:37	1.00	50.00	-4.5	n
2,3,4,7,8-PeCDF	82427600	1.55 y	26:07	0.96	50.00	-1.7	n
Total F2 PeCDF	168920230	1.31 n	23:04	0.98	100.00	-3.2	n
Total F1 PeCDF	17919	0.28 n	20:44	0.98	100.00	-3.2	n
13C-1,2,3,7,8-PeCDD	118470000	1.64 y	26:54	0.72	100.00	7.4	n
1,2,3,7,8-PeCDD	56062600	1.58 y	26:56	0.95	50.00	-3.6	n
Total PeCDD	56095102	5.20 n	26:25	0.95	50.00	-3.6	n
13C-1,2,3,7,8,9-HxCDD	127586100	1.28 y	33:06	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	128166200	0.53 y	31:55	1.00	100.00	-2.0	n
1,2,3,4,7,8-HxCDF	79707300	1.24 y	31:56	1.24	50.00	2.6	n
1,2,3,6,7,8-HxCDF	80024600	1.23 y	32:03	1.25	50.00	-7.0	n
2,3,4,6,7,8-HxCDF	73371800	1.21 y	32:38	1.14	50.00	-6.3	n
1,2,3,7,8,9-HxCDF	68130800	1.24 y	33:16	1.06	50.00	-2.7	n
Total HxCDF	301792741	1.60 n	30:49	1.18	200.00	-3.5	n
13C-1,2,3,6,7,8-HxCDD	112282700	1.28 y	32:49	0.88	100.00	9.0	n
1,2,3,4,7,8-HxCDD	49190500	1.25 y	32:45	0.88	50.00	-13.0	n
1,2,3,6,7,8-HxCDD	60590800	1.29 y	32:50	1.08	50.00	-3.1	n
1,2,3,7,8,9-HxCDD	63659000	1.28 y	33:06	1.13	50.00	-6.2	n
Total HxCDD	173774589	1.25 y	32:45	1.03	150.00	-7.2	n
13C-1,2,3,4,6,7,8-HpCDF	102811300	0.44 y	34:36	0.81	100.00	-6.6	n
1,2,3,4,6,7,8-HpCDF	65636600	0.95 y	34:36	1.28	50.00	-2.5	n
1,2,3,4,7,8,9-HpCDF	55805800	0.97 y	35:44	1.09	50.00	5.8	n
Total HpCDF	121923501	0.95 y	34:36	1.18	100.00	1.2	n
13C-1,2,3,4,6,7,8-HpCDD	99280100	1.06 y	35:25	0.78	100.00	11.6	n
1,2,3,4,6,7,8-HpCDD	51140500	1.04 y	35:25	1.03	50.00	-3.9	n
Total HpCDD	51360133	0.93 y	34:51	1.03	50.00	-3.9	n
13C-OCDD	142326100	0.90 y	37:54	0.56	200.00	5.0	n
OCDF	96825900	0.91 y	38:01	1.36	100.00	-5.9	n
OCDD	80992700	0.89 y	37:55	1.14	100.00	-2.4	n

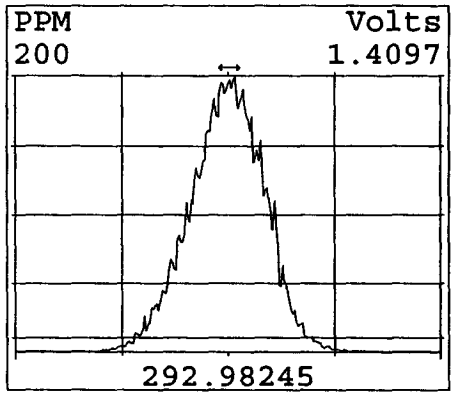
Run text: ST0424B File text: ST0424B :CS3 10DXN083
Run #31 Filename 24AP104D5 S: 29 I: 1
Acquired: 25-APR-10 05:42:55 Processed: 26-APR-10 15:23:35
Run: 24AP104D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 24AP104D58290A

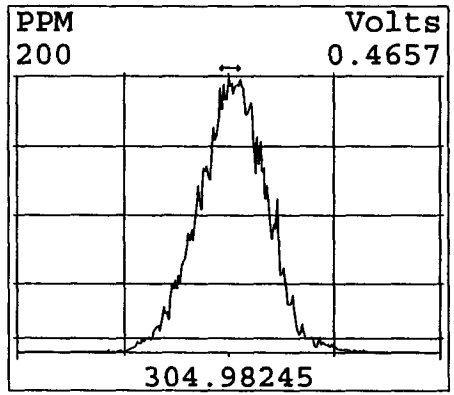
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	136043800	0.81	y	19:30	-	100.00	-	n
13C-2,3,7,8-TCDF	201137300	0.77	y	18:56	1.48	100.00	-2.8	n
2,3,7,8-TCDF	18107300	0.78	y	18:57	0.90	10.00	-4.8	n
Total TCDF	18663186	0.79	y	16:14	0.90	10.00	-4.8	n
13C-2,3,7,8-TCDD	134188400	0.79	y	19:43	0.99	100.00	3.9	n
2,3,7,8-TCDD	12665520	0.76	y	19:44	0.94	10.00	-7.6	n
Total TCDD	12751790	0.61	n	18:29	0.94	10.00	-7.6	n
37Cl-2,3,7,8-TCDD	31081200	1.00	y	19:44	2.28	10.00	1.0	n
13C-1,2,3,7,8-PeCDF	132562300	1.56	y	24:36	0.97	100.00	-7.2	n
1,2,3,7,8-PeCDF	66076400	1.56	y	24:37	1.00	50.00	-4.6	n
2,3,4,7,8-PeCDF	63615600	1.57	y	26:07	0.96	50.00	-2.3	n
Total F2 PeCDF	132434611	1.58	y	23:03	0.98	100.00	-3.5	n
Total F1 PeCDF	*	*	n	NotFnd	0.98	100.00	-3.5	n
13C-1,2,3,7,8-PeCDD	93100200	1.65	y	26:55	0.68	100.00	2.1	n
1,2,3,7,8-PeCDD	43091100	1.59	y	26:57	0.93	50.00	-5.7	n
Total PeCDD	43104544	1.59	y	26:57	0.93	50.00	-5.7	n
13C-1,2,3,7,8,9-HxCDD	94793500	1.28	y	33:06	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	93673600	0.53	y	31:56	0.99	100.00	-3.6	n
1,2,3,4,7,8-HxCDF	59905600	1.30	y	31:57	1.28	50.00	5.5	n
1,2,3,6,7,8-HxCDF	61517200	1.18	y	32:04	1.31	50.00	-2.2	n
2,3,4,6,7,8-HxCDF	54097000	1.23	y	32:37	1.16	50.00	-5.5	n
1,2,3,7,8,9-HxCDF	48752000	1.25	y	33:17	1.04	50.00	-4.7	n
Total HxCDF	224415306	1.57	n	30:49	1.20	200.00	-1.7	n
13C-1,2,3,6,7,8-HxCDD	81458500	1.26	y	32:50	0.86	100.00	6.5	n
1,2,3,4,7,8-HxCDD	37457500	1.27	y	32:46	0.92	50.00	-8.6	n
1,2,3,6,7,8-HxCDD	43672600	1.28	y	32:51	1.07	50.00	-3.7	n
1,2,3,7,8,9-HxCDD	46528600	1.28	y	33:07	1.14	50.00	-5.5	n
Total HxCDD	127658700	1.27	y	32:46	1.04	150.00	-5.9	n
13C-1,2,3,4,6,7,8-HpCDF	73549900	0.44	y	34:36	0.78	100.00	-10.1	n
1,2,3,4,6,7,8-HpCDF	47697200	0.98	y	34:37	1.30	50.00	-1.0	n
1,2,3,4,7,8,9-HpCDF	37138100	0.99	y	35:45	1.01	50.00	-1.5	n
Total HpCDF	84835300	0.98	y	34:37	1.15	100.00	-1.2	n
13C-1,2,3,4,6,7,8-HpCDD	68201700	1.08	y	35:24	0.72	100.00	3.2	n
1,2,3,4,6,7,8-HpCDD	34692300	1.05	y	35:25	1.02	50.00	-5.1	n
Total HpCDD	34837294	0.85	n	34:51	1.02	50.00	-5.1	n
13C-OCDD	86714100	0.90	y	37:54	0.46	200.00	-13.9	n
OCDF	60343900	0.91	y	38:02	1.39	100.00	-3.7	n
OCDD	50022700	0.89	y	37:55	1.15	100.00	-1.1	n

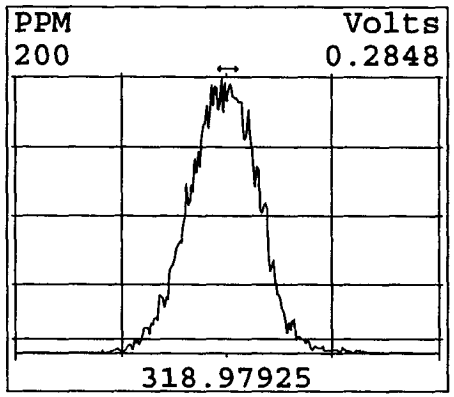
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
24AP104D5	1	ST0424	CS3 10DXN083				1.00000	
24AP104D5	2	CP0424	DB-5 CPSM 3732-05				1.00000	
24AP104D5	3	SB0424	Solvent Blank C-14				1.00000	
24AP104D5	4	LXV7A-1-AA	G0D130000-245B		8290/WATER	67	1.00000	L
24AP104D5	5	LXV7A-1-AC	G0D130000-245C		8290/WATER		1.00000	L
24AP104D5	6	LXV7A-1-AD	G0D130000-245L		8290/WATER		1.00000	L
24AP104D5	7	LXRGN-1-AA	G0D090441-31		8290/WATER		1.03970	L
24AP104D5	8	LXTA2-1-A2	G0D100465-1		8290/WATER	73	0.96040	L
24AP104D5	9	LXTA3-1-AD	G0D100465-2		8290/WATER		0.96370	L
24AP104D5	10	LXTA4-1-AD	G0D100465-3		8290/WATER		0.96170	L
24AP104D5	11	LXTA5-1-AD	G0D100465-4		8290/WATER		0.98490	L
24AP104D5	12	LXXT7-1-AC	G0D140000-236C		8290/SOLID	69	10.00000	g
24AP104D5	13	LXXT7-1-AA	G0D140000-236B		8290/SOLID		10.00000	g
24AP104D5	14	LXV32-1-AD	G0D130435-1		8290/SOLID		10.60000	g
24AP104D5	15	LXV32-1-AE	G0D130435-1S		8290/SOLID		10.18000	g
24AP104D5	16	LXV32-1-AF	G0D130435-1D		8290/SOLID		10.07000	g
24AP104D5	17	LXV35-1-AD	G0D130435-3		8290/SOLID		10.23000	g
24AP104D5	18	SB0424A	Solvent Blank C-14				1.00000	
24AP104D5	19	ST0424A	CS3 10DXN083				1.00000	
24AP104D5	20	CP0424A	DB-5 CPSM 3732-05				1.00000	
24AP104D5	21	SB0424B	Solvent Blank C-14				1.00000	
24AP104D5	22	LX62M-1-AA	G0D190000-260B		8290/SOLID	75	10.00000	g
24AP104D5	23	LX62M-1-AC	G0D190000-260C		8290/SOLID		10.00000	g
24AP104D5	24	LXV4C-1-AD	G0D130435-6		8290/SOLID	69	10.54000	g
24AP104D5	25	LXV4F-1-AE	G0D130435-7		8290/SOLID		10.47000	g
24AP104D5	26	LXV4G-1-AD	G0D130435-8		8290/SOLID		10.13000	g
24AP104D5	27	LXV40-1-AD	G0D130435-17		8290/SOLID		10.70000	g
24AP104D5	28	LXV41-1-AD	G0D130435-18		8290/SOLID		10.54000	g
24AP104D5	29	ST0424B	CS3 10DXN083				1.00000	
24AP104D5	30						1.00000	
24AP104D5	31						1.00000	
24AP104D5	32						1.00000	
24AP104D5	33		MG 04/24/10				1.00000	

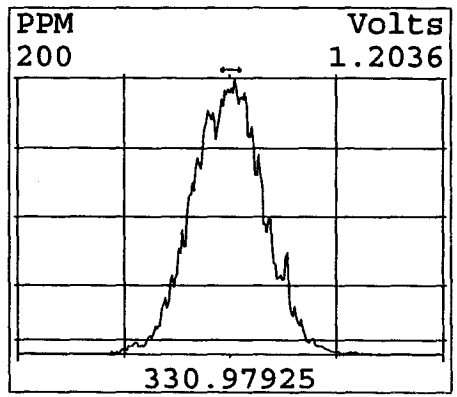
checked OK
~~AS~~
04/25/10

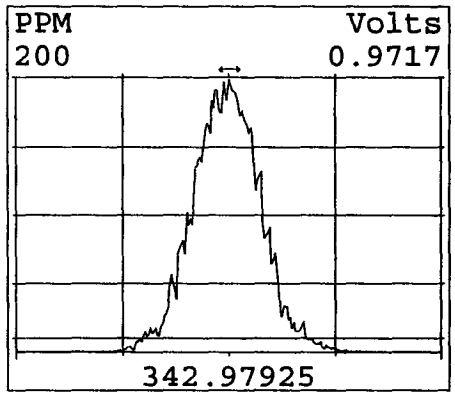
Peak Locate Examination:24-APR-2010:08:59 File:24AP104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

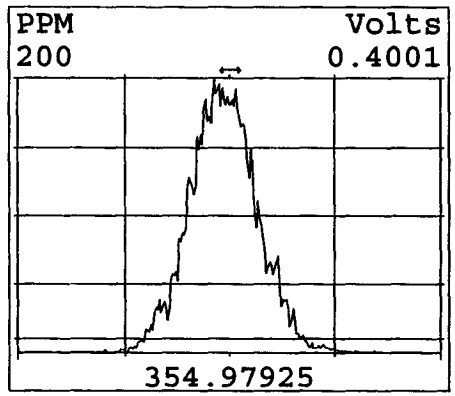


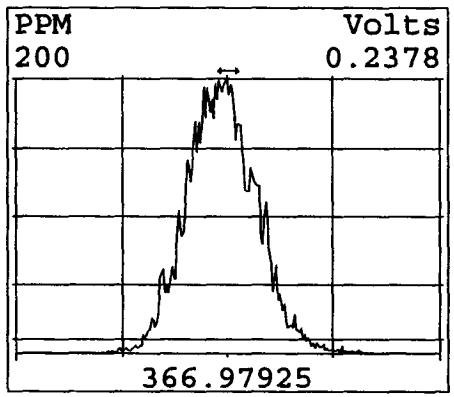


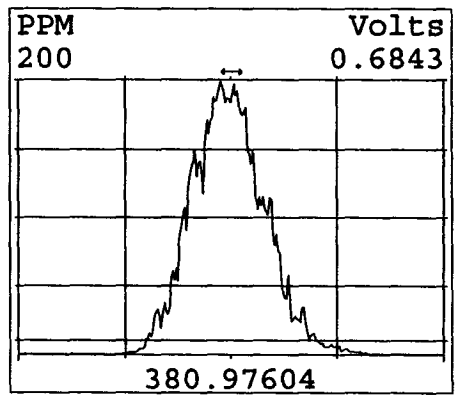


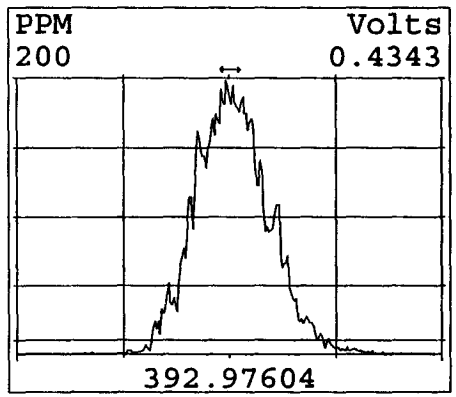


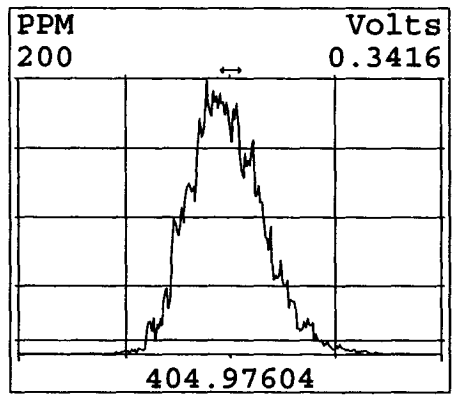


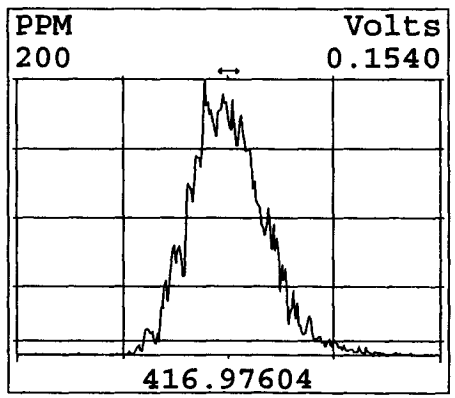




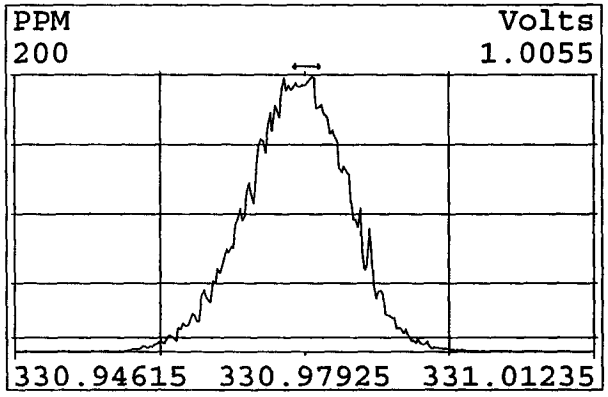


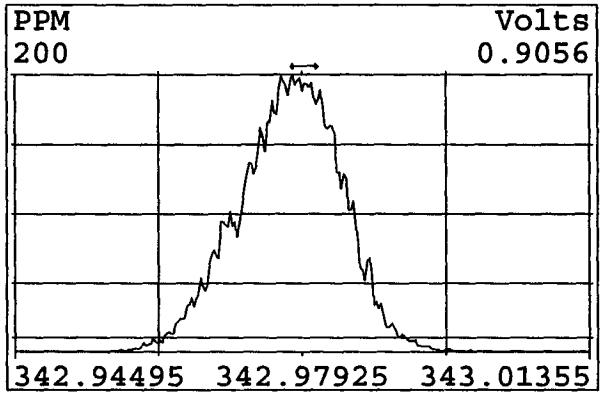


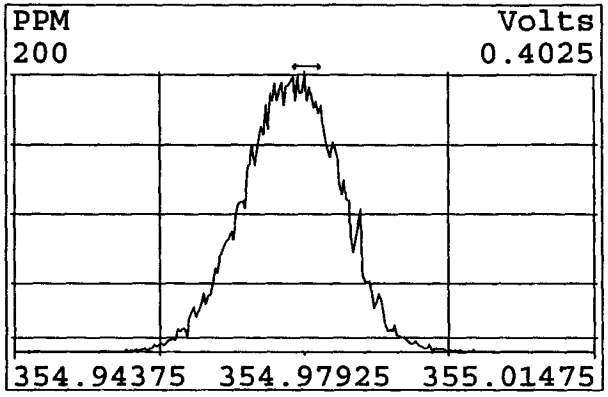


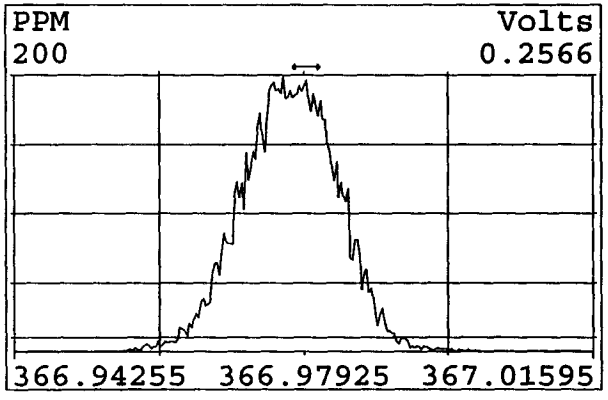


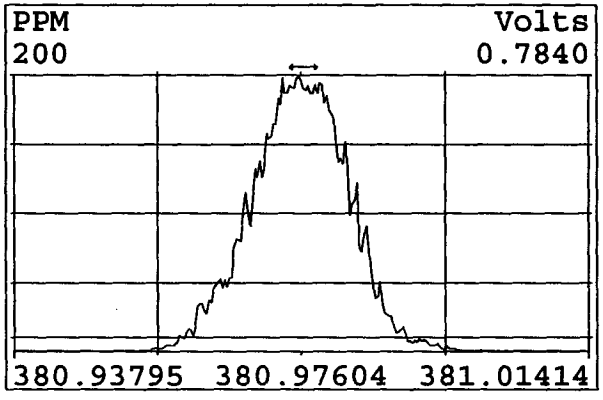
Peak Locate Examination:24-APR-2010:09:00 File:24AP104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

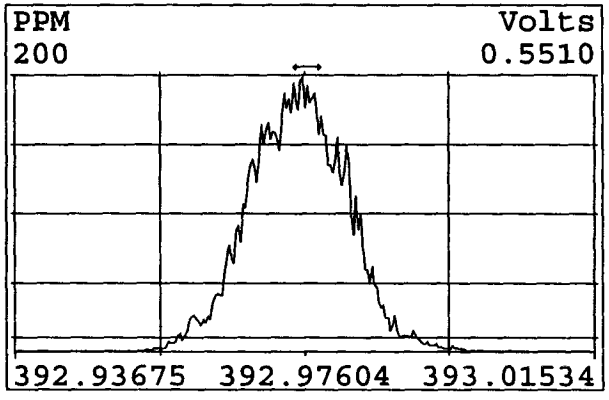


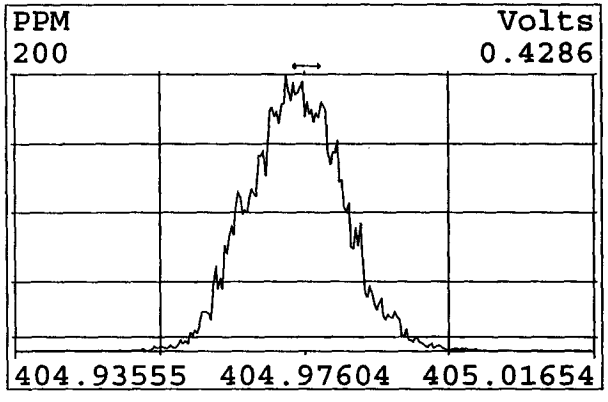


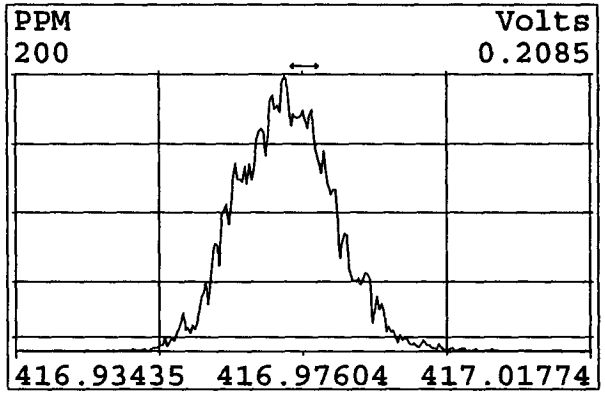




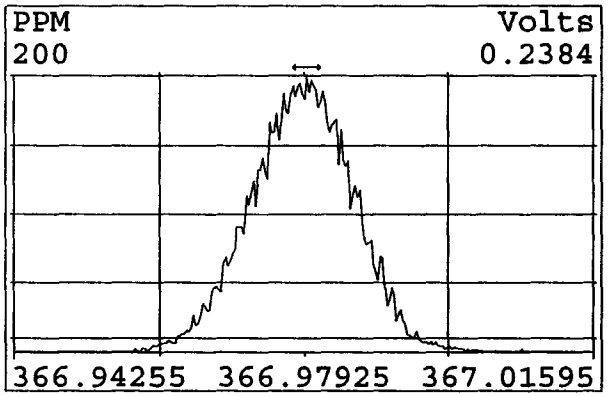


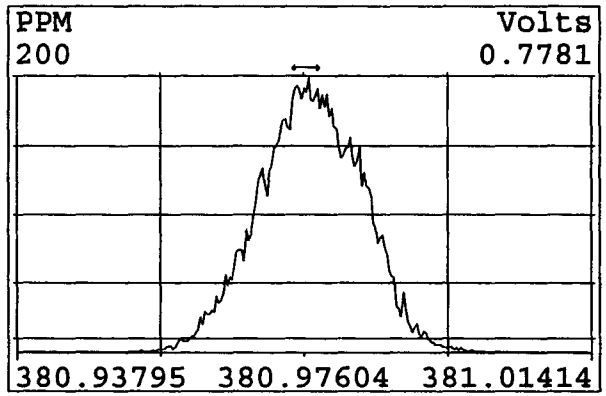


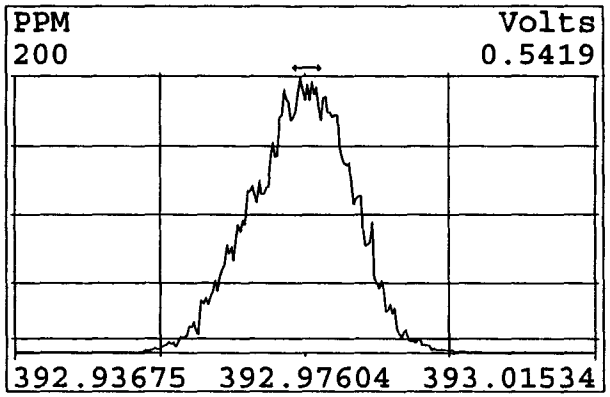


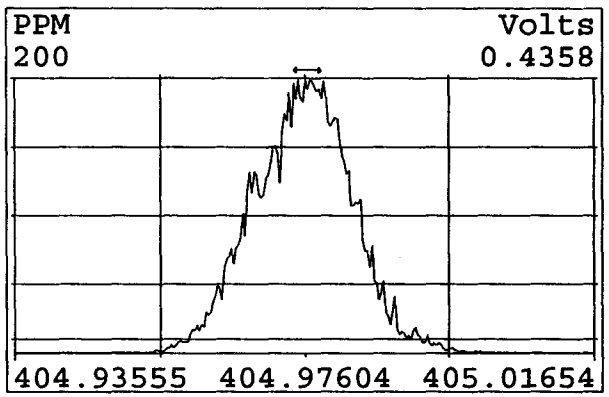


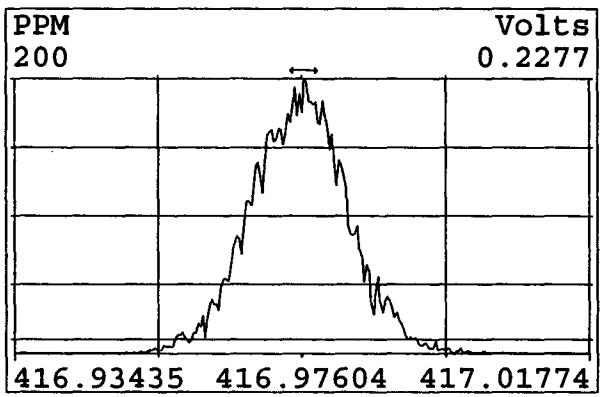
Peak Locate Examination:24-APR-2010:09:03 File:24AP104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

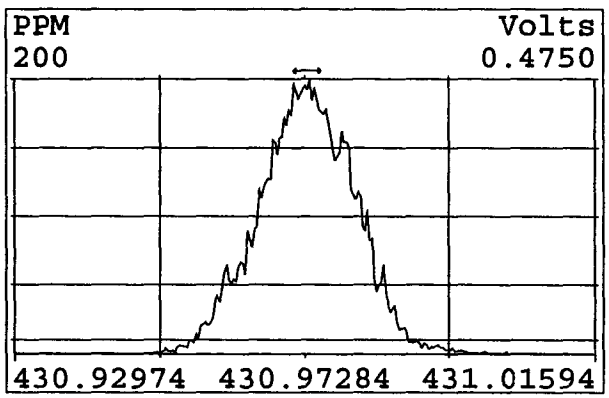


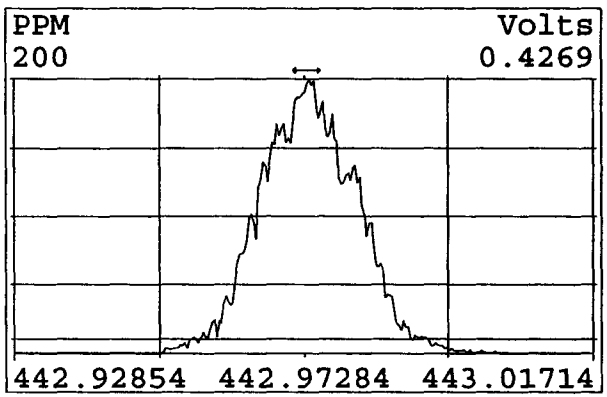


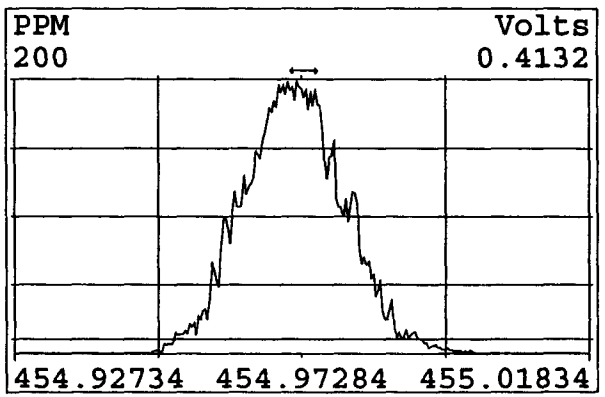




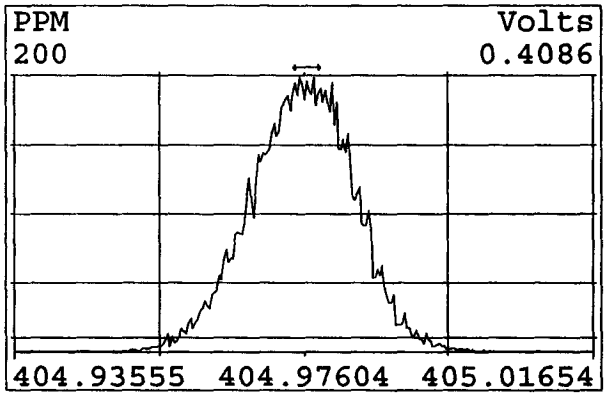


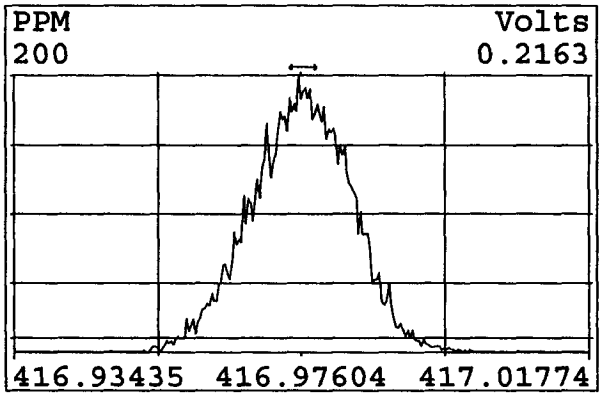


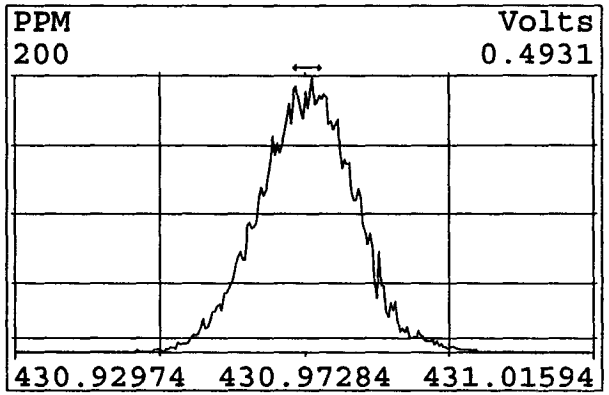


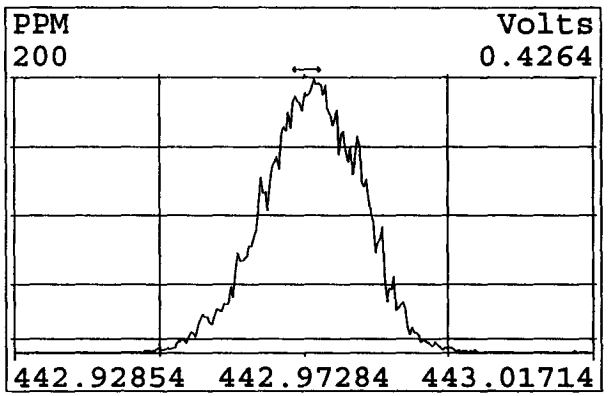


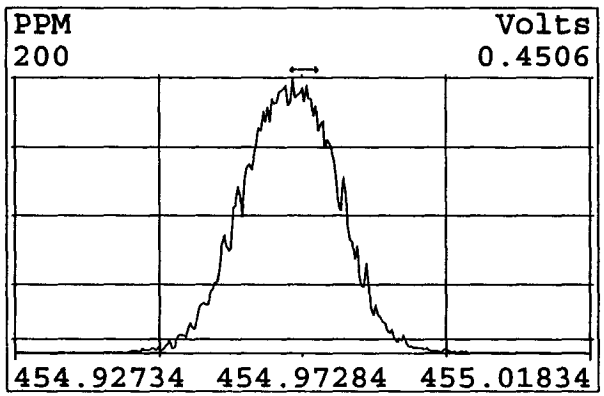
Peak Locate Examination:24-APR-2010:09:04 File:24AP104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

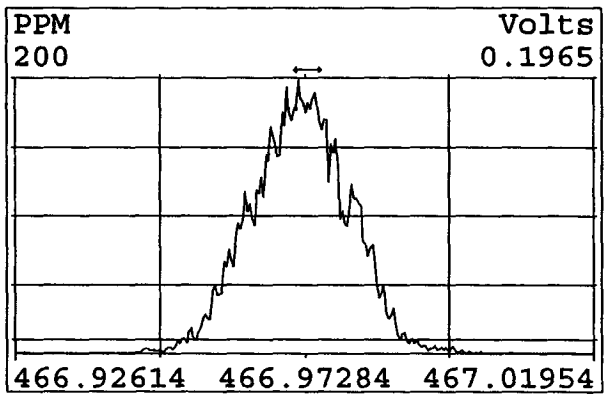


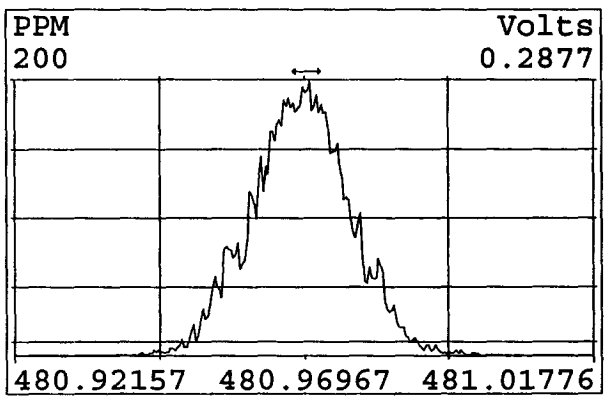




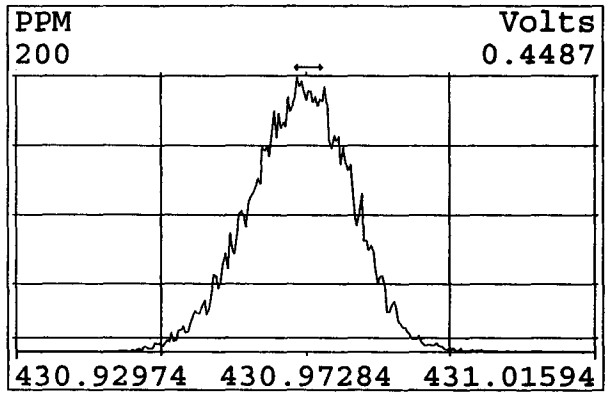


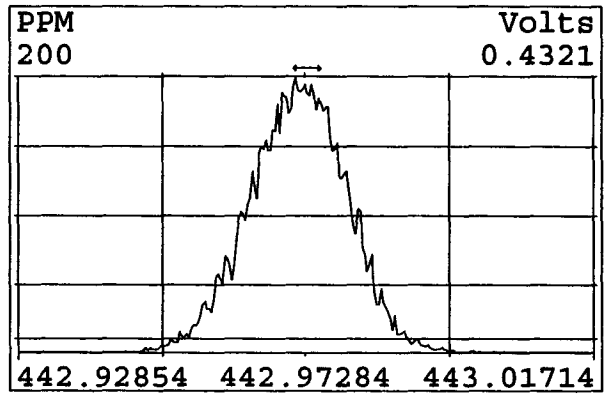


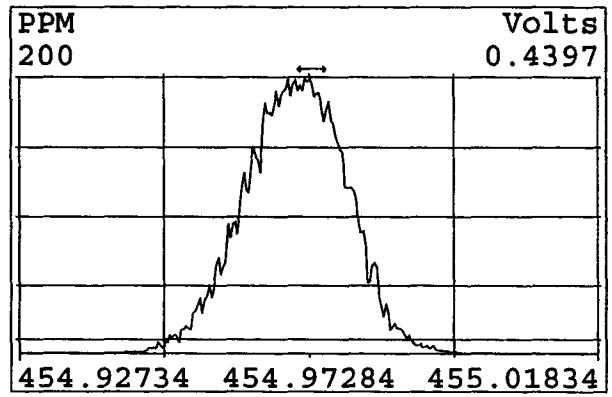


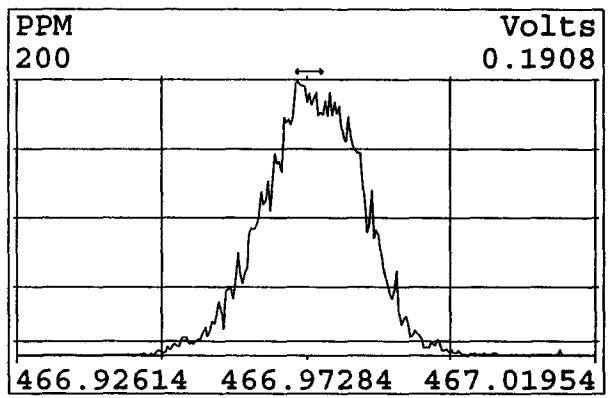


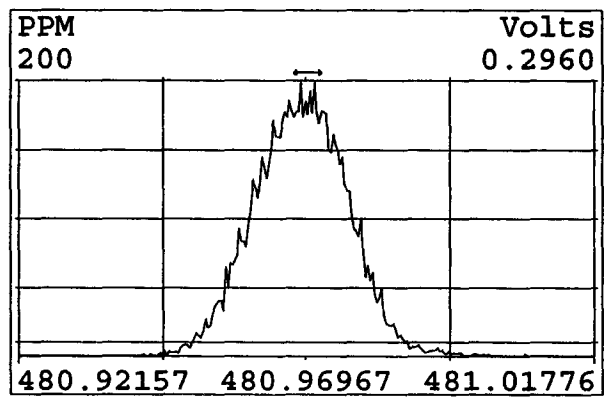
Peak Locate Examination:24-APR-2010:09:05 File:24AP104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

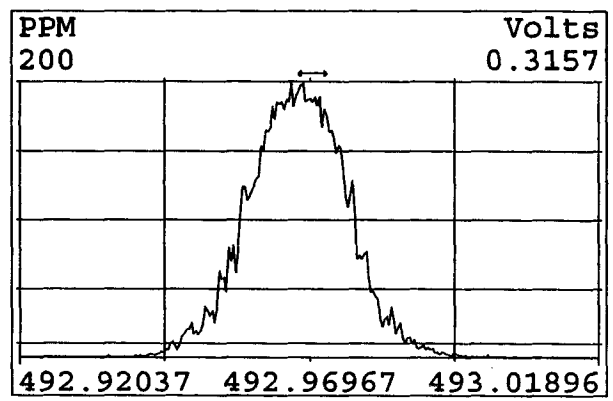


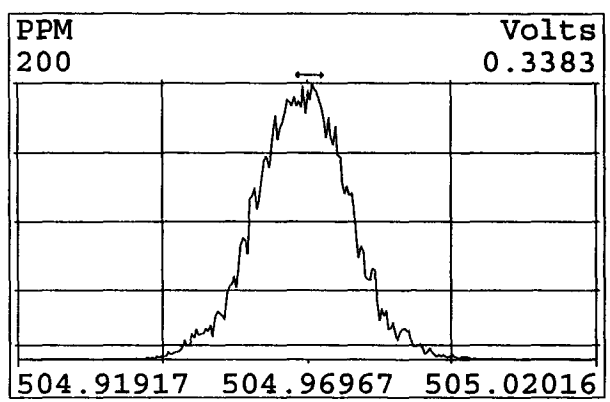


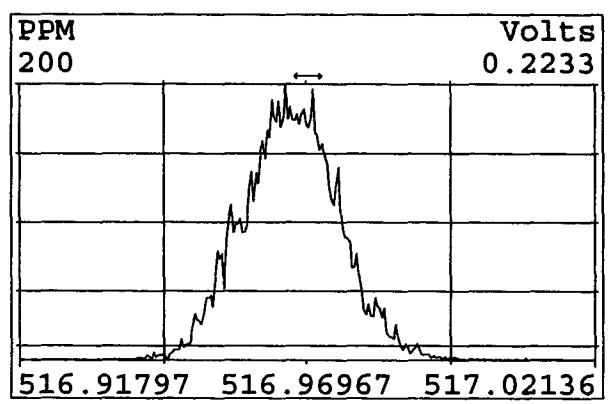




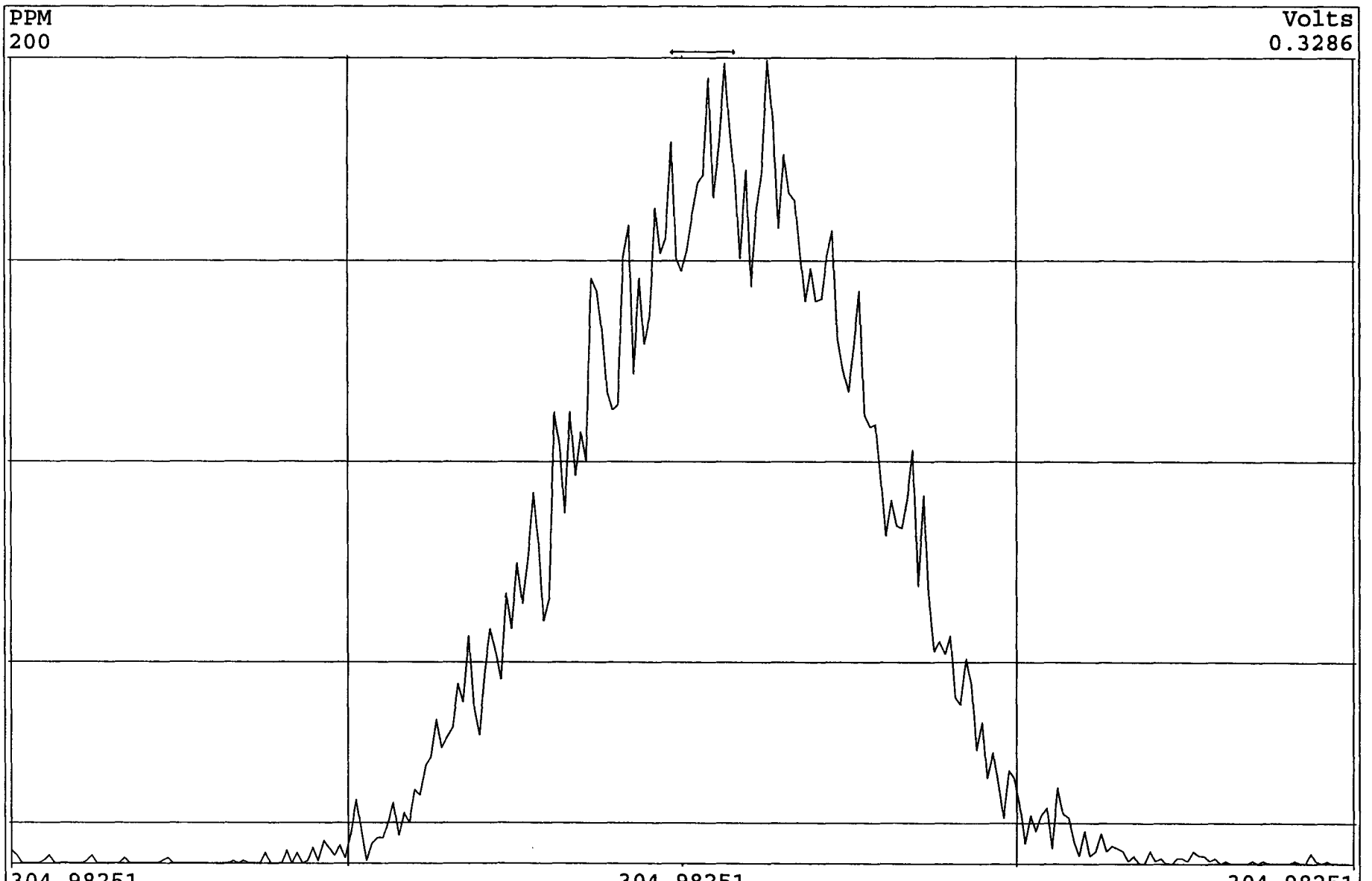




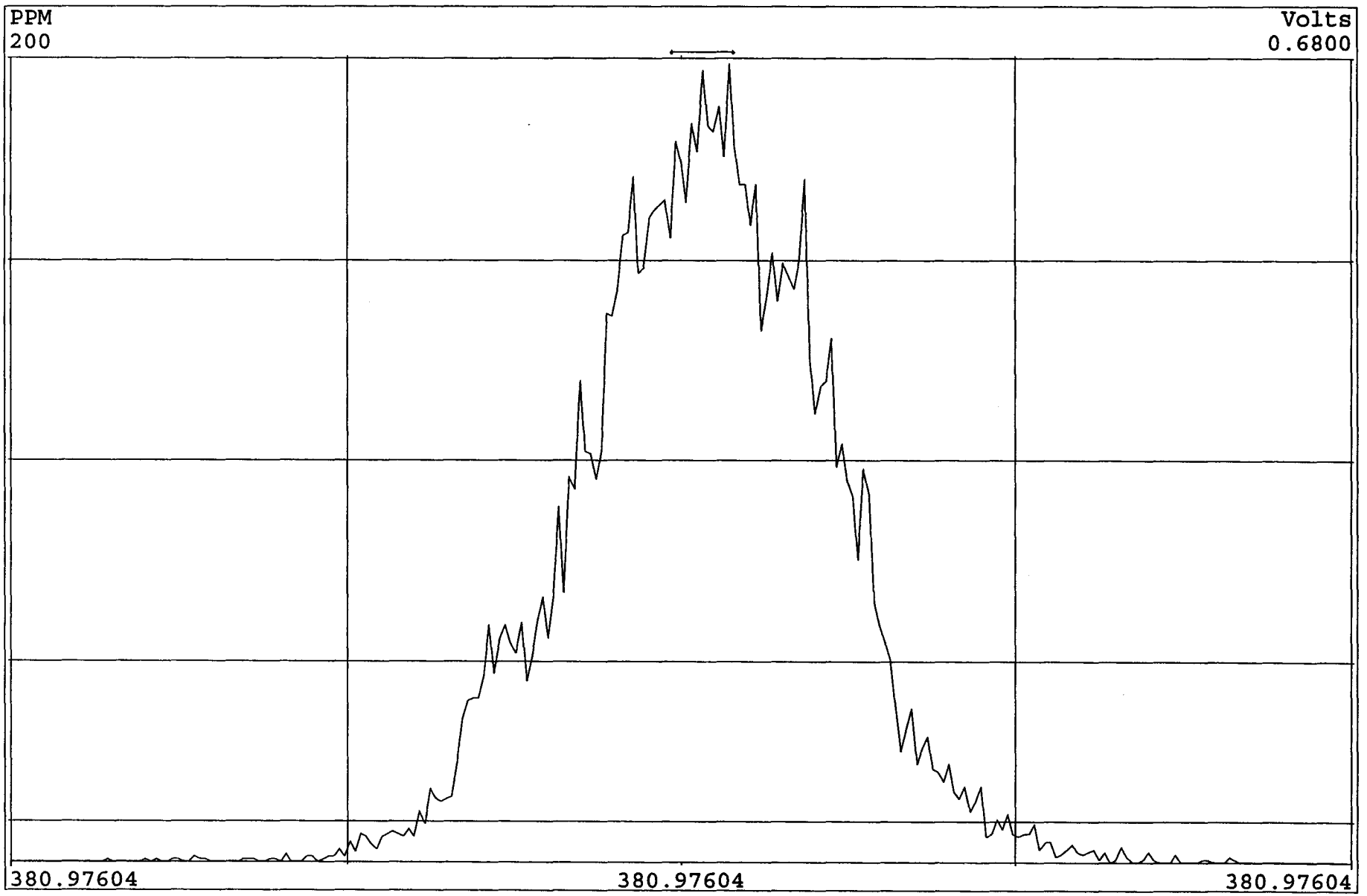




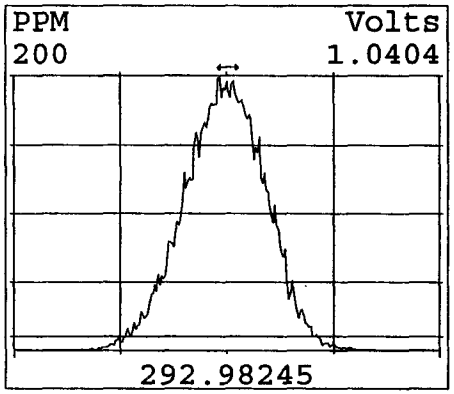
SIRLM Examination:24-APR-2010:20:07 File:24AP104D5
Experiment:DIOXINRES8290A Function:7

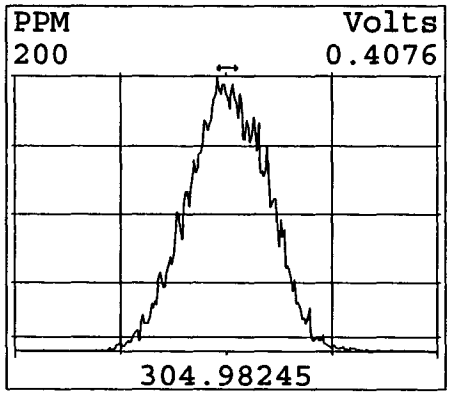


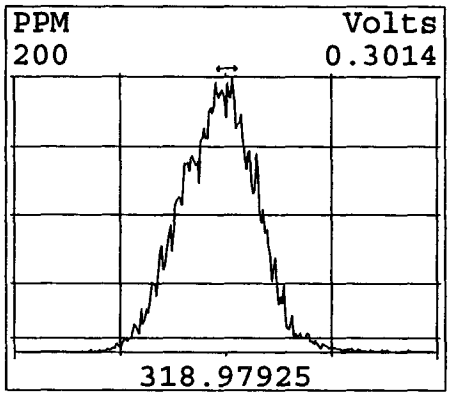
SIRLM Examination:24-APR-2010:20:06 File:24AP104D5
Experiment:DIOXINRES8290A Function:6

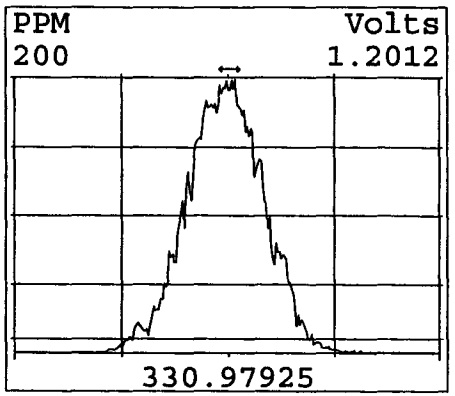


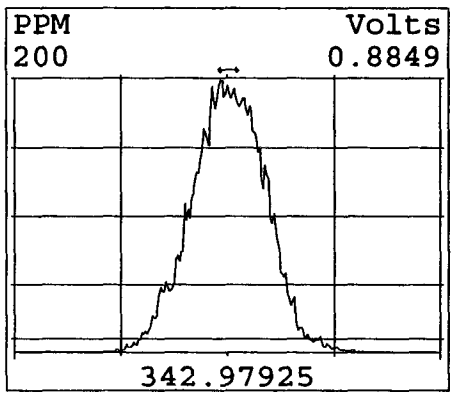
Peak Locate Examination:25-APR-2010:07:58 File:ENDRES24AP104D5
Experiment:DIOXIN Function:1 Reference:PFK

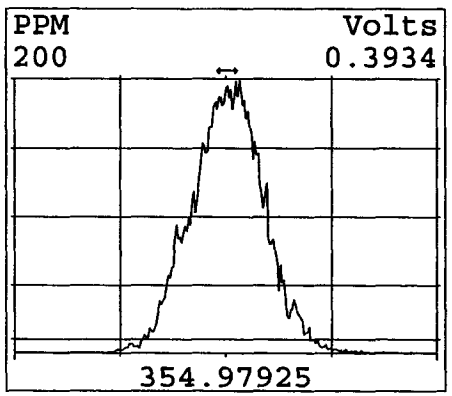


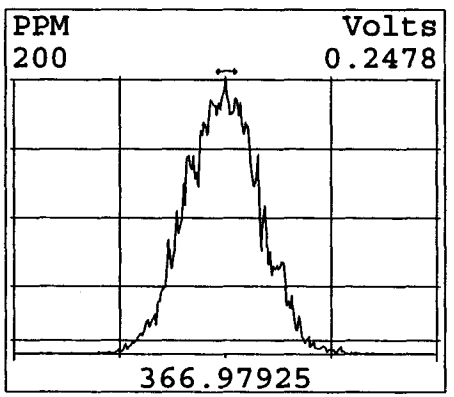


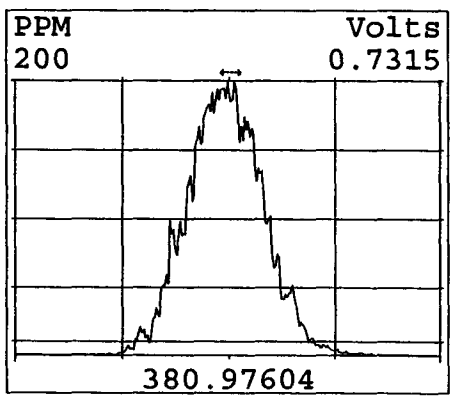


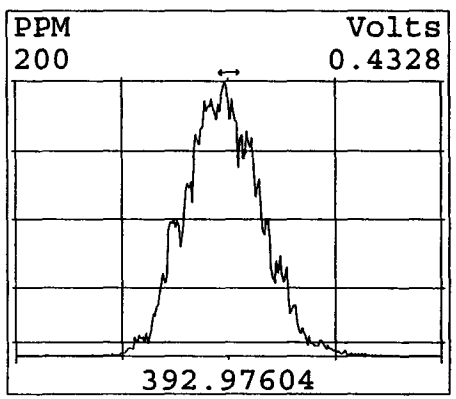


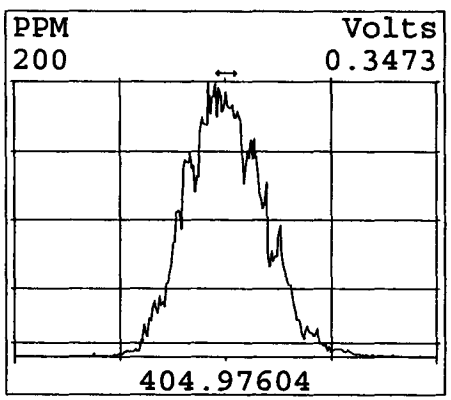


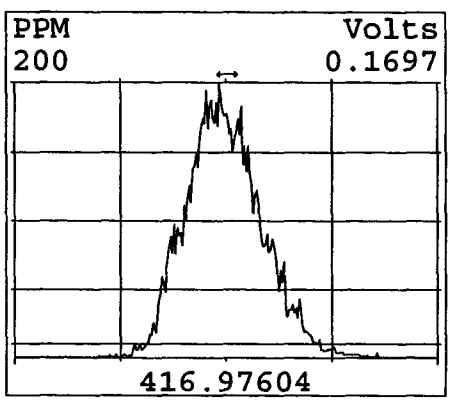




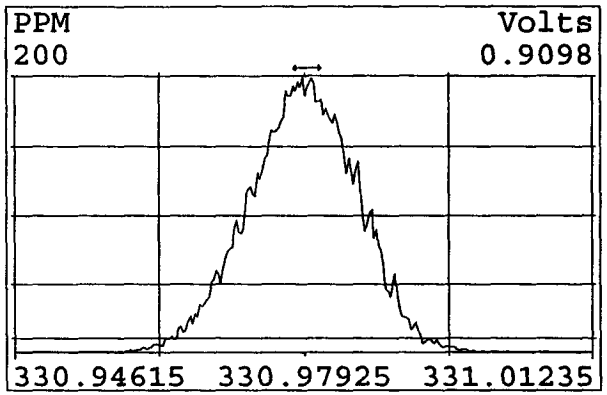


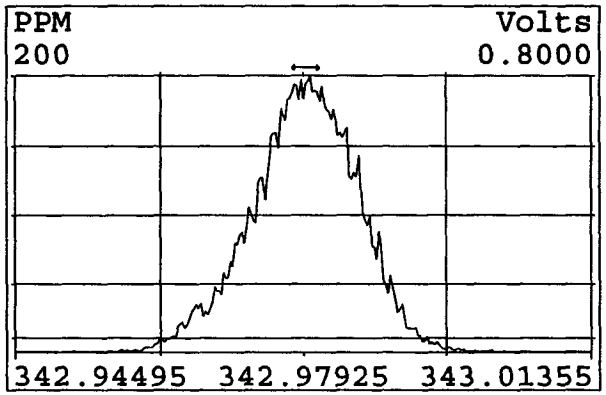


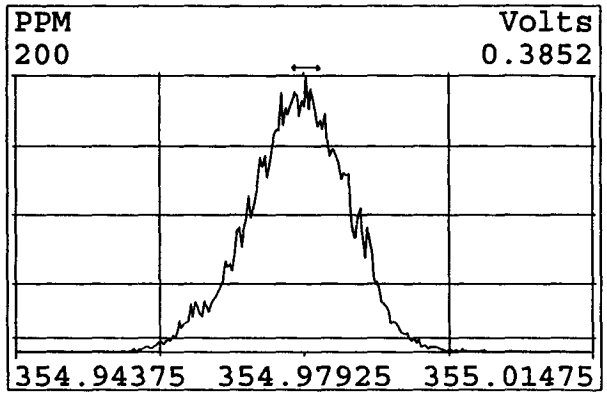


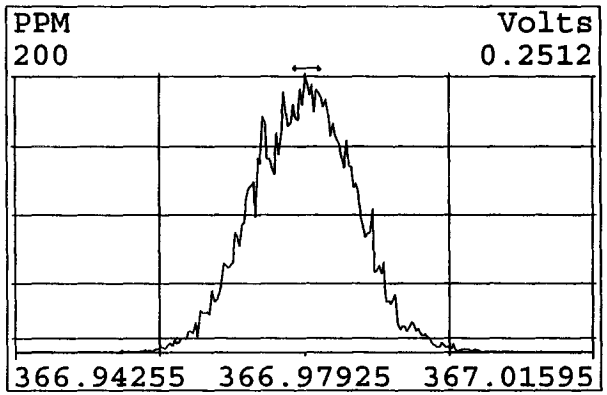


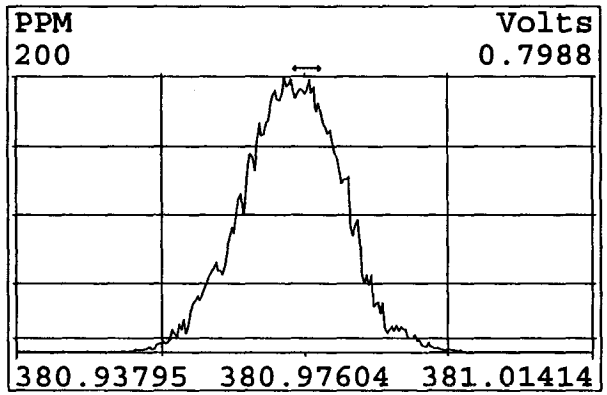
Peak Locate Examination:25-APR-2010:07:58 File:ENDRES24AP104D5
Experiment:DIOXIN Function:2 Reference:PFK

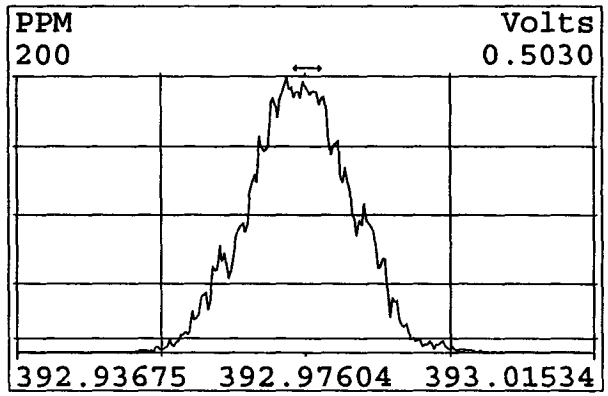


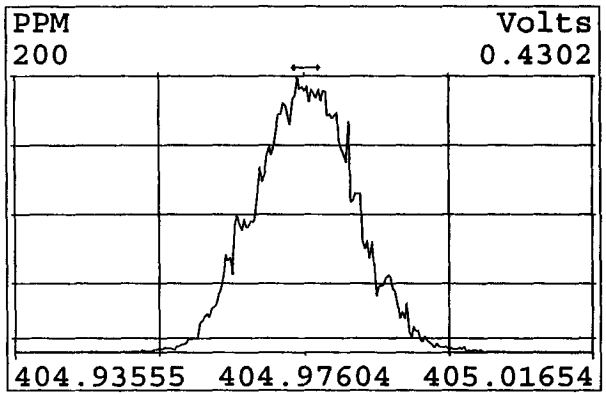


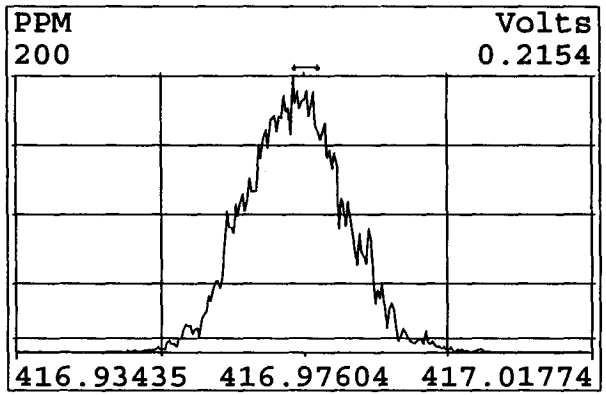




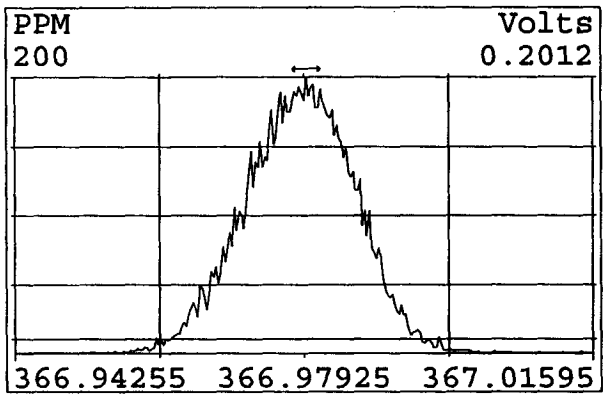


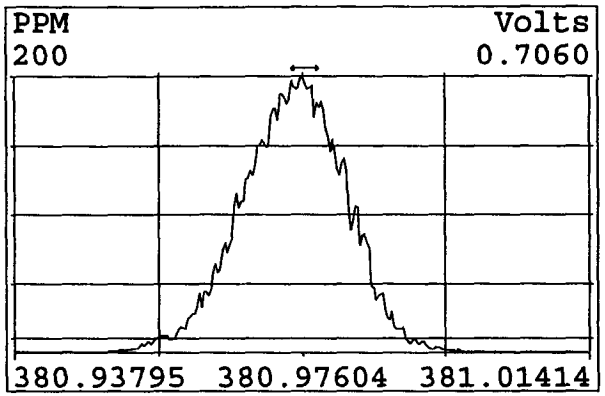


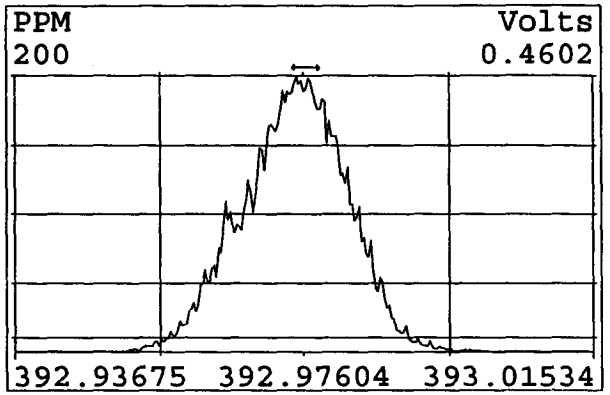


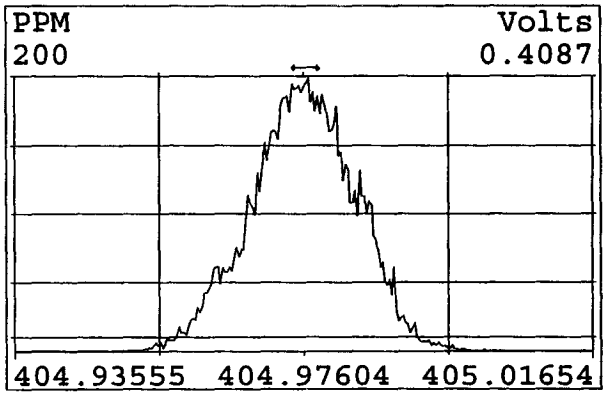


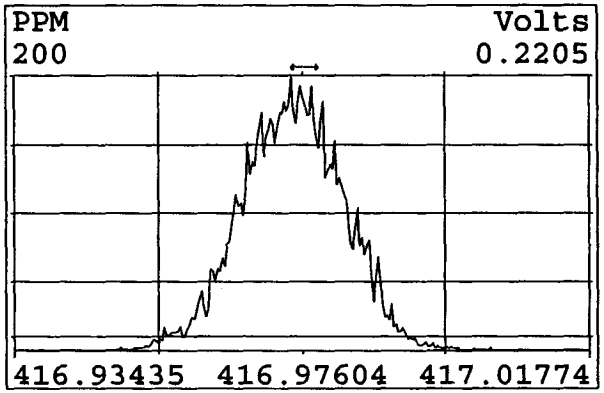
Peak Locate Examination:25-APR-2010:07:59 File:ENDRES24AP104D5
Experiment:DIOXIN Function:3 Reference:PFK

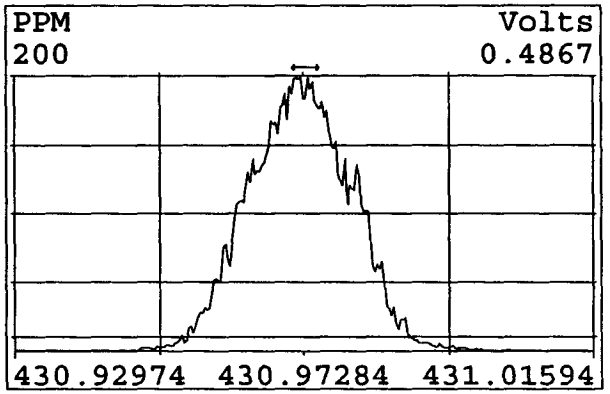


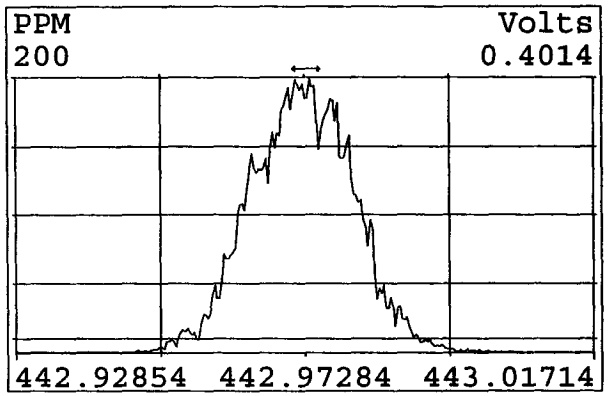


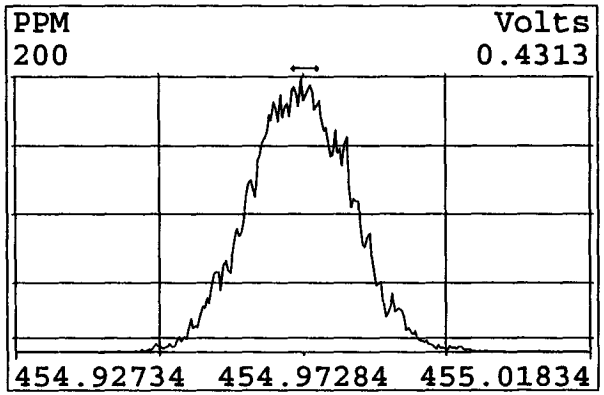




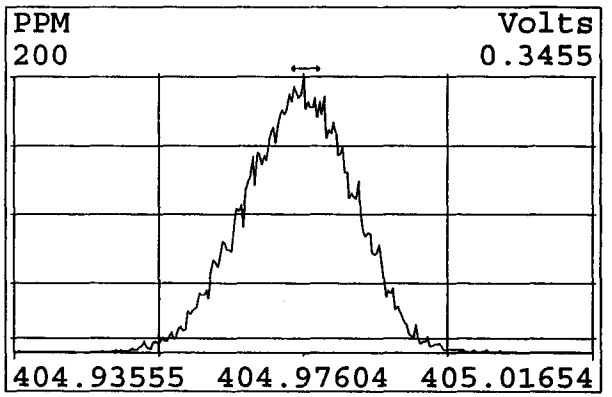


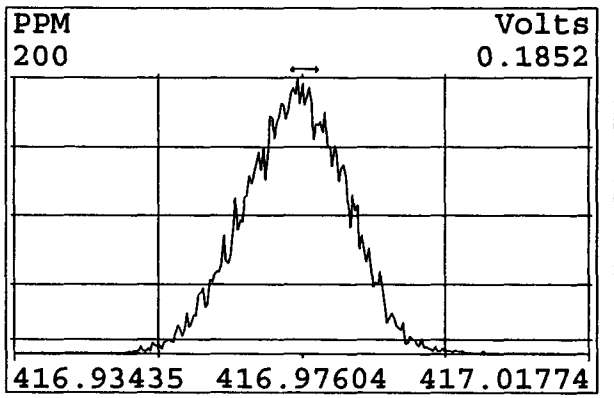


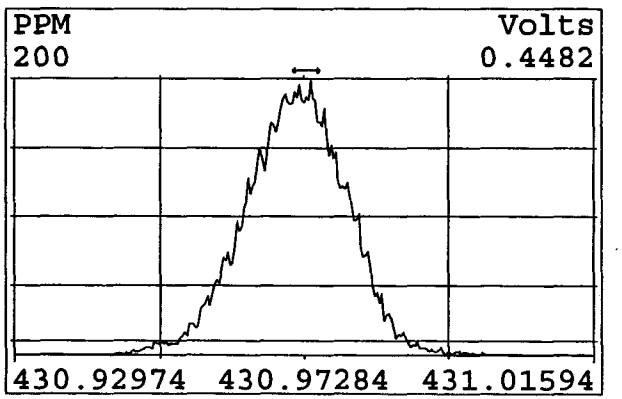


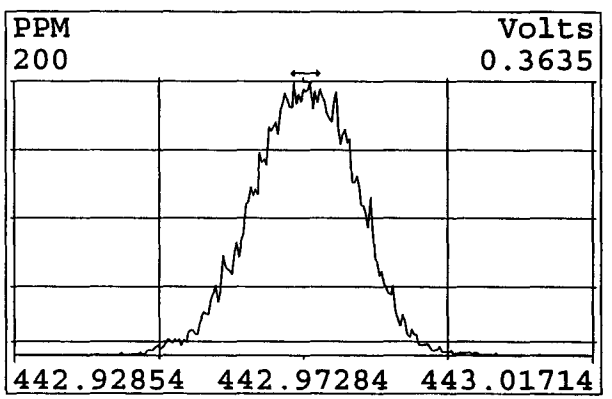


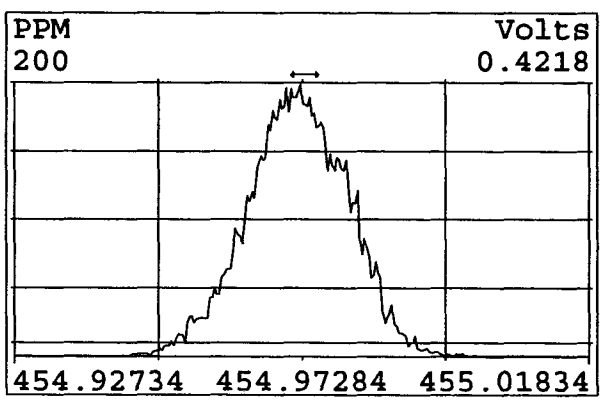
Peak Locate Examination:25-APR-2010:08:00 File:ENDRES24AP104D5
Experiment:DIOXIN Function:4 Reference:PFK

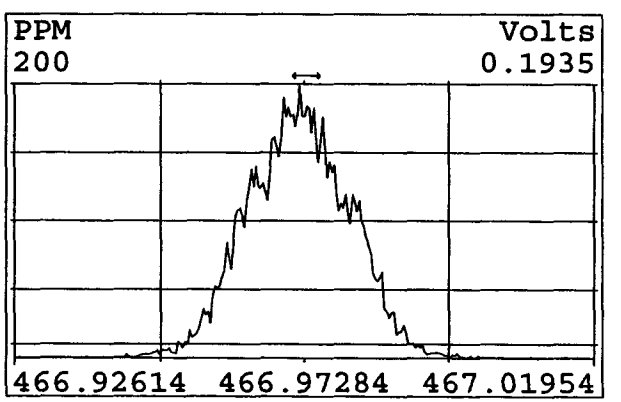


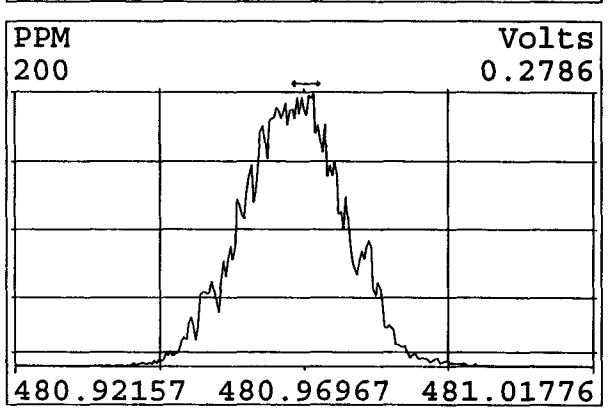




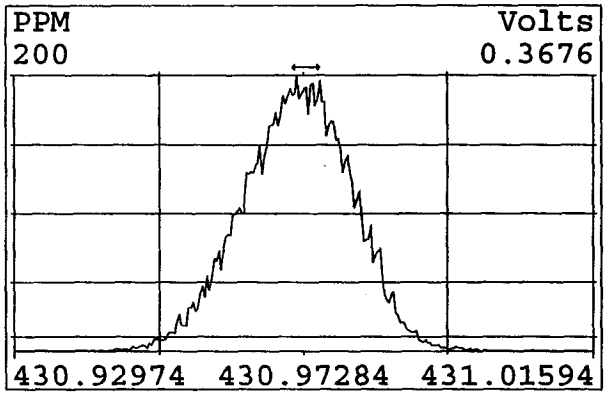


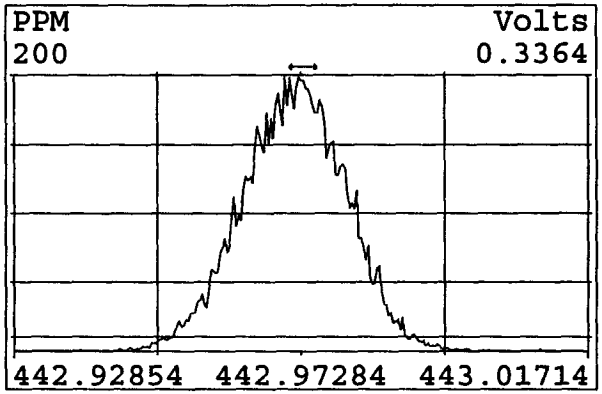


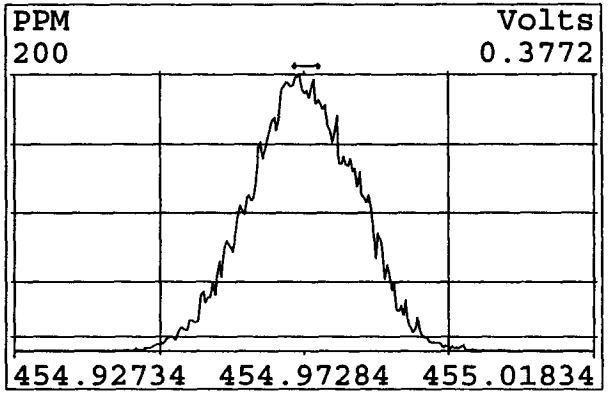


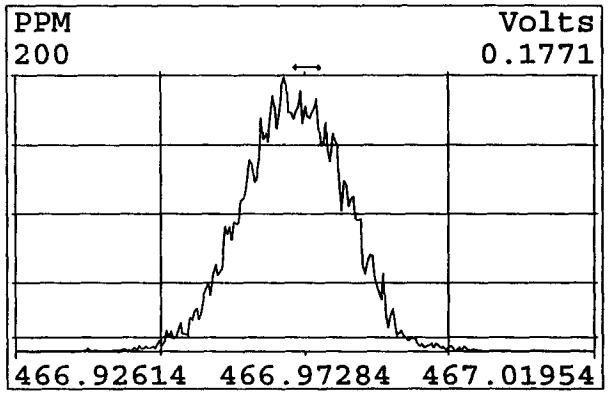


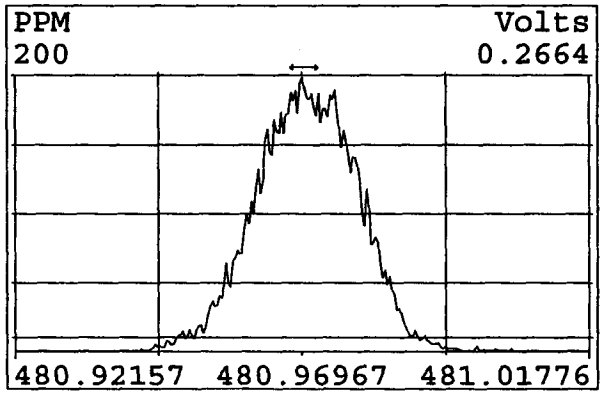
Peak Locate Examination:25-APR-2010:08:00 File:ENDRES24AP104D5
Experiment:DIOXIN Function:5 Reference:PFK

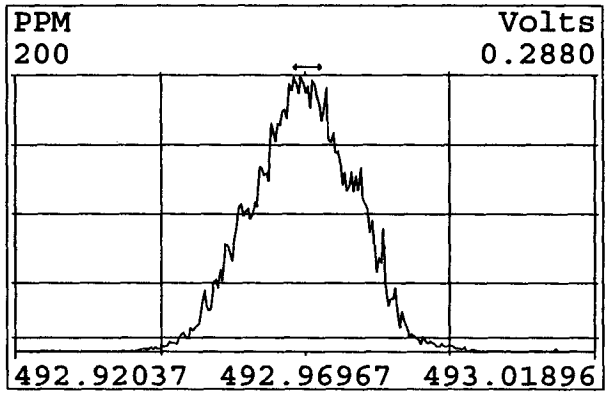


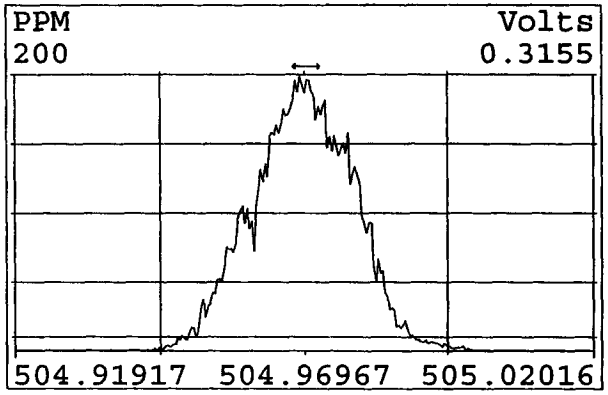


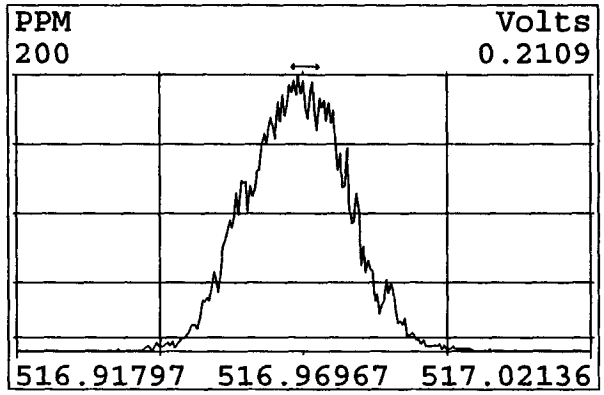




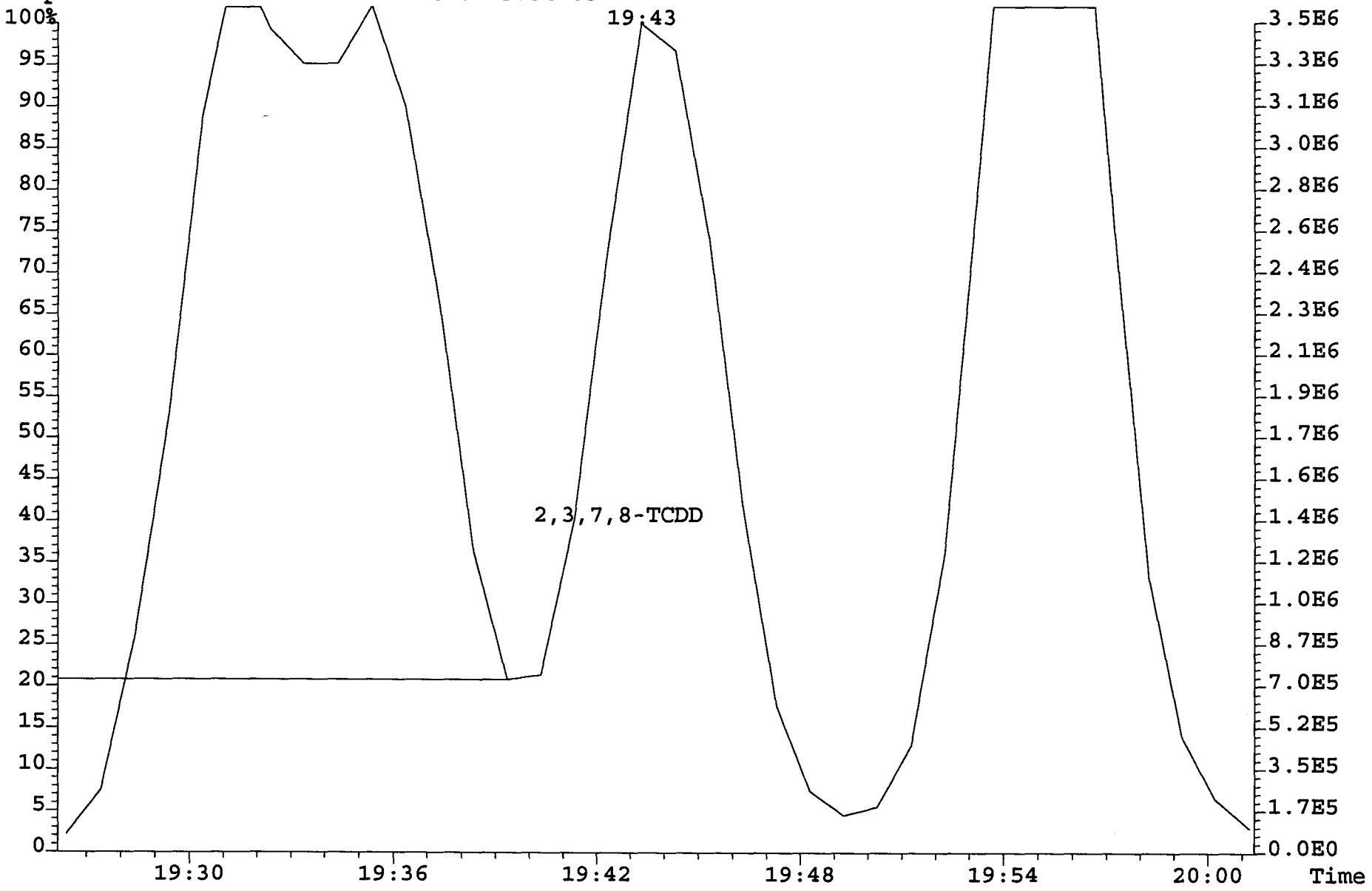








File:24AP104D5 #1-434 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 S:20 Exp:DIOXINRES8290A
Sample Text:CP0424A :DB-5 CPSM 3732-05



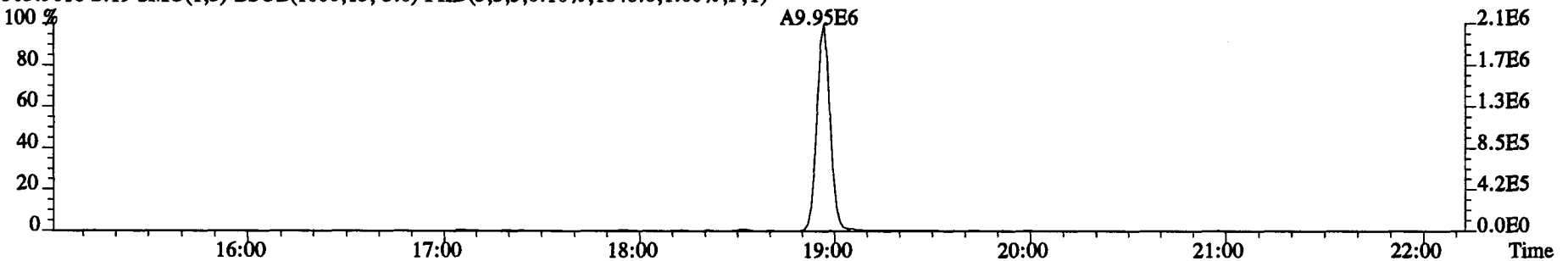
Run: 24AP104D5 Analyte: 8290A Cal: 8290A0412104D5

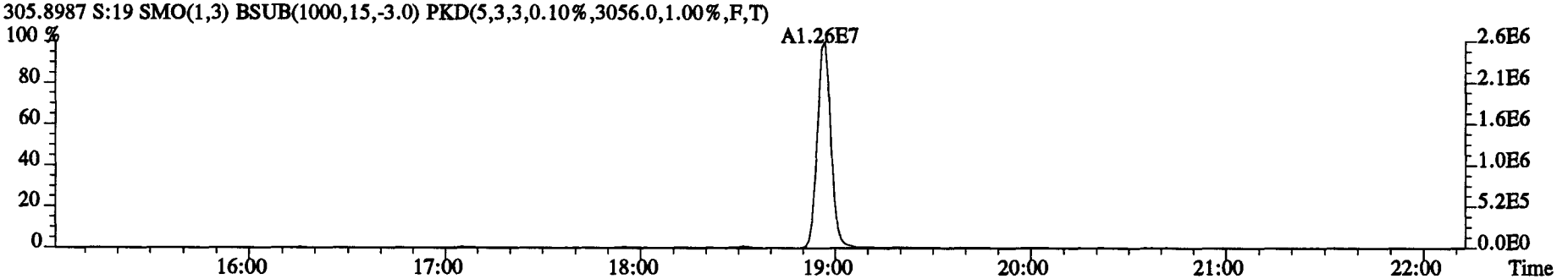
ST0412B :CS-1 09DXN422 ST0412A :CS-2 09DXN423 ST0412 :CS-3 10DXN111
ST0412D :CS-4 09DXN426 ST0412C :CS-5 09DXN456

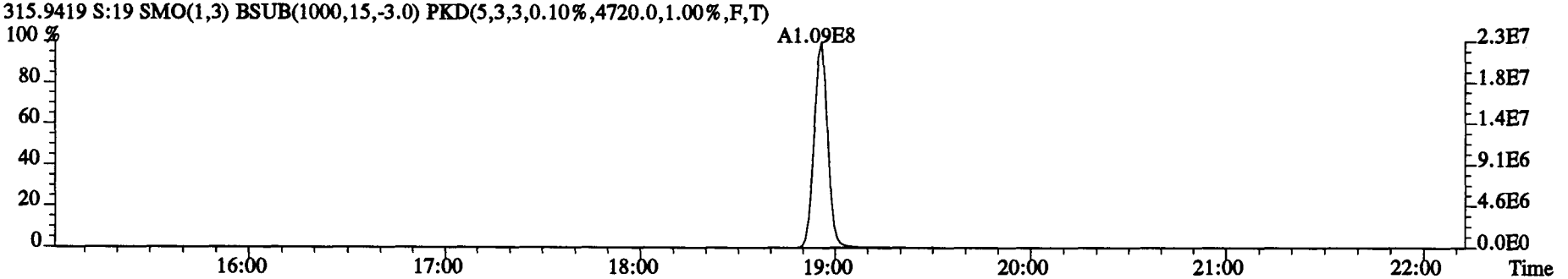
Name	Mean	S. D.	%RSD	12AP104D5 S4 RRF1	12AP104D5 S3 RRF2	12AP104D5 S2 RRF3	12AP104D5 S6 RRF4	12AP104D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	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

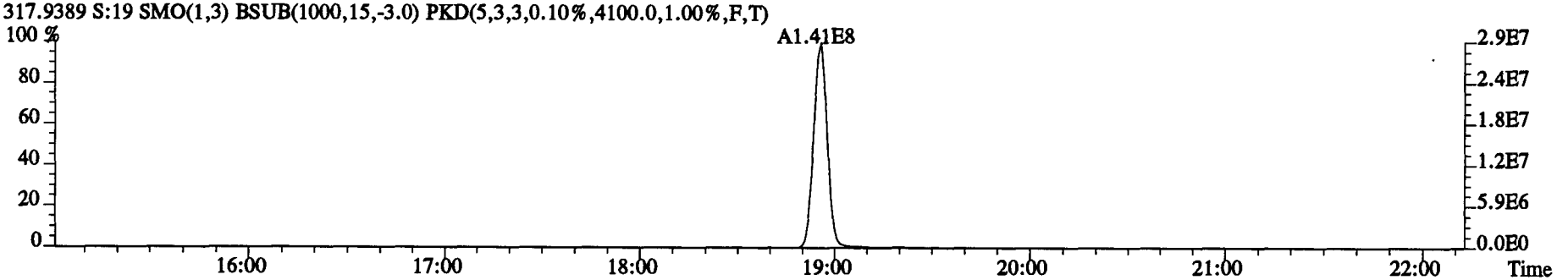
1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
13C-1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDF	1.310	0.072	5.52 %	1.20	1.28	1.39	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:24AP104D5 #1-435 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A



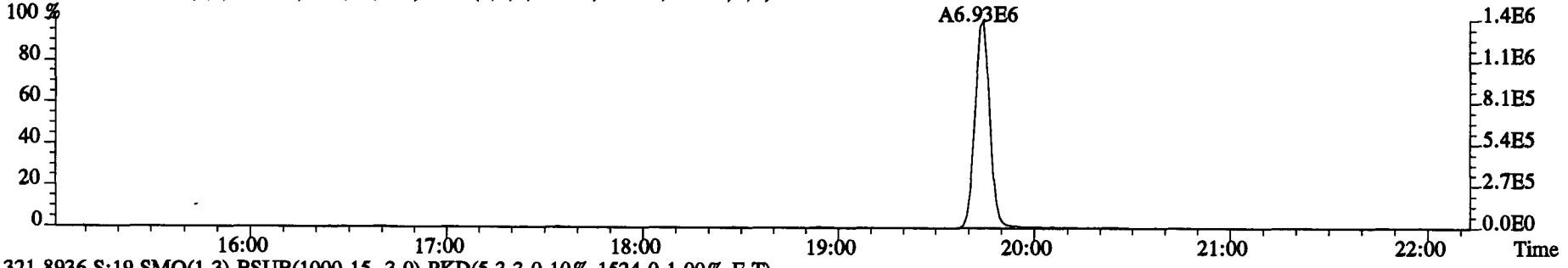




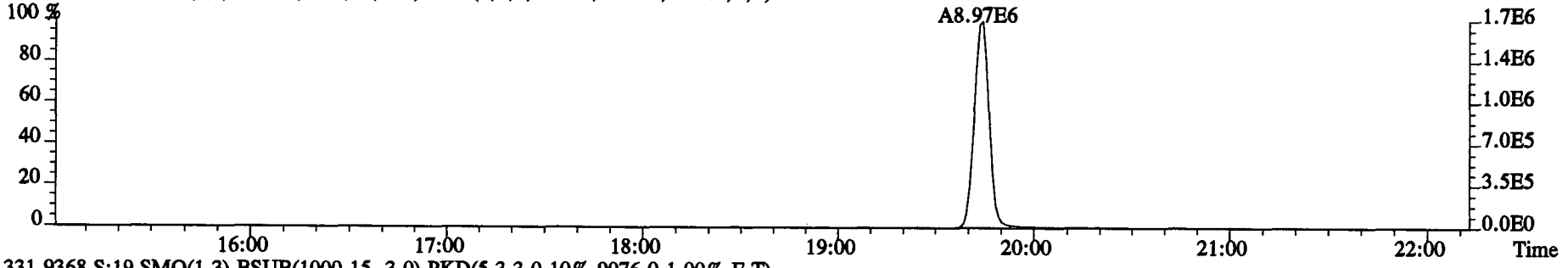


File:24AP104D5 #1-435 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A

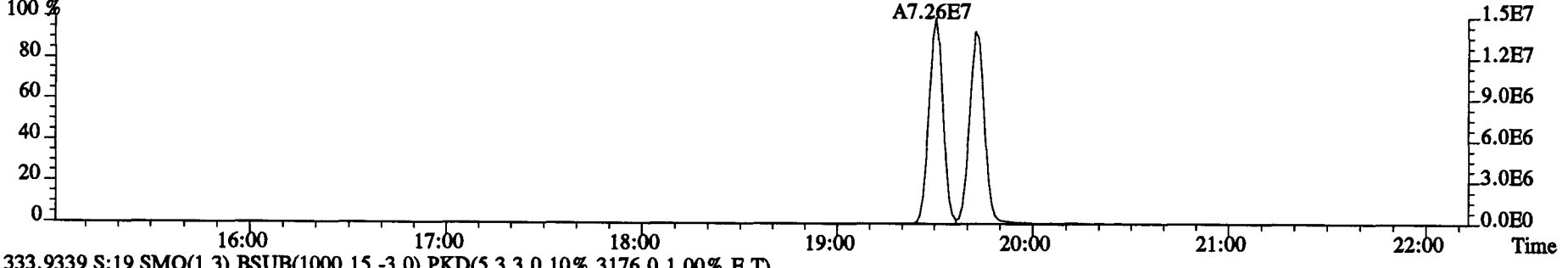
319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1224.0,1.00%,F,T)



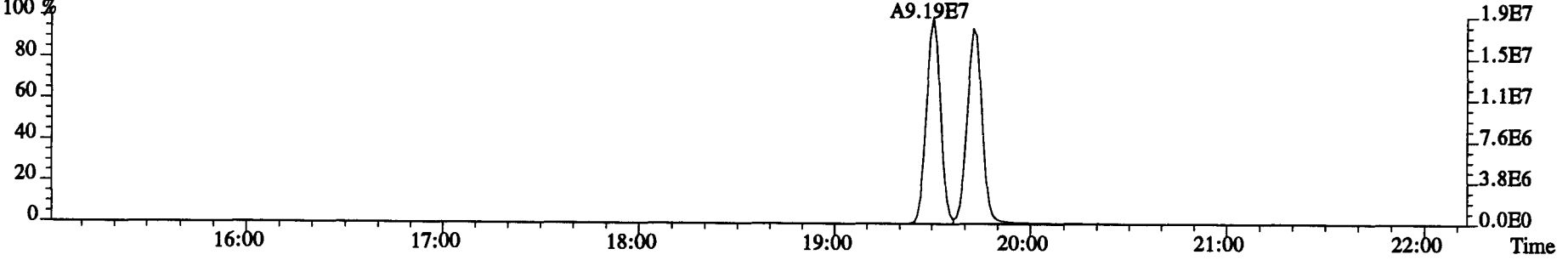
321.8936 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1524.0,1.00%,F,T)



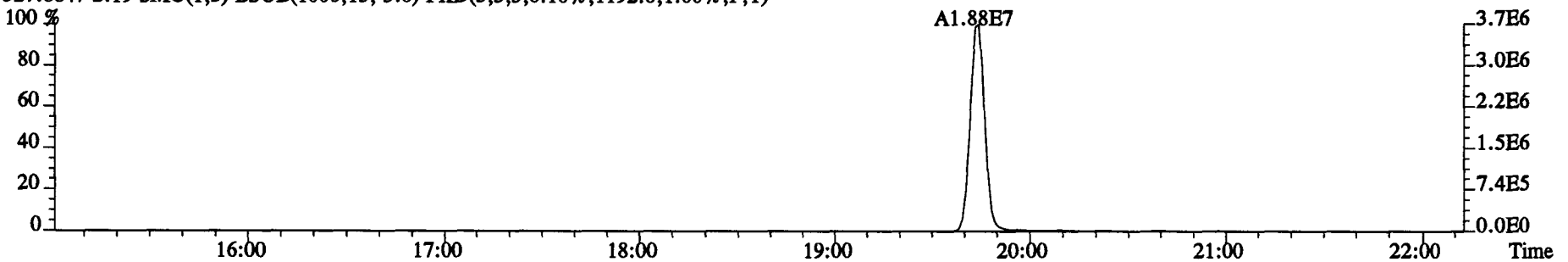
331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9076.0,1.00%,F,T)



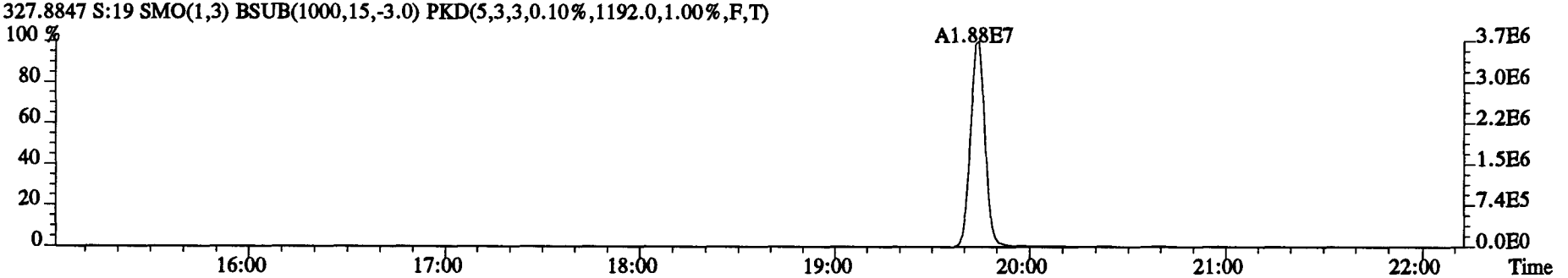
333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)



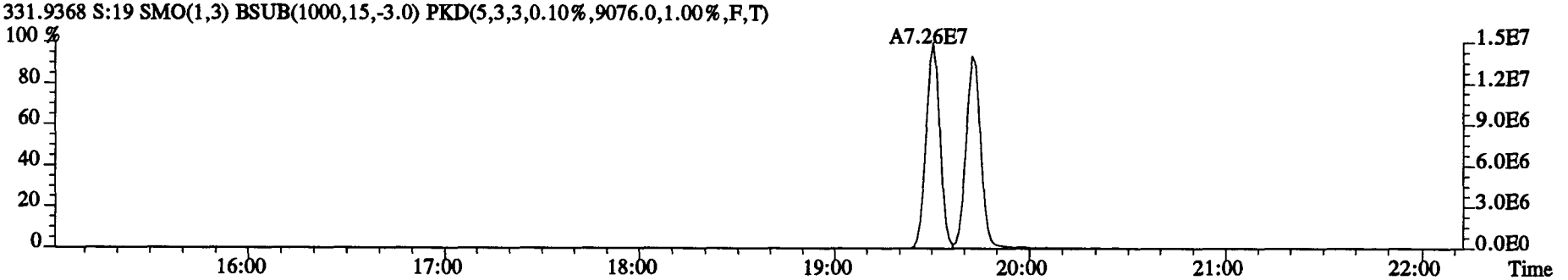
File:24AP104D5 #1-435 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



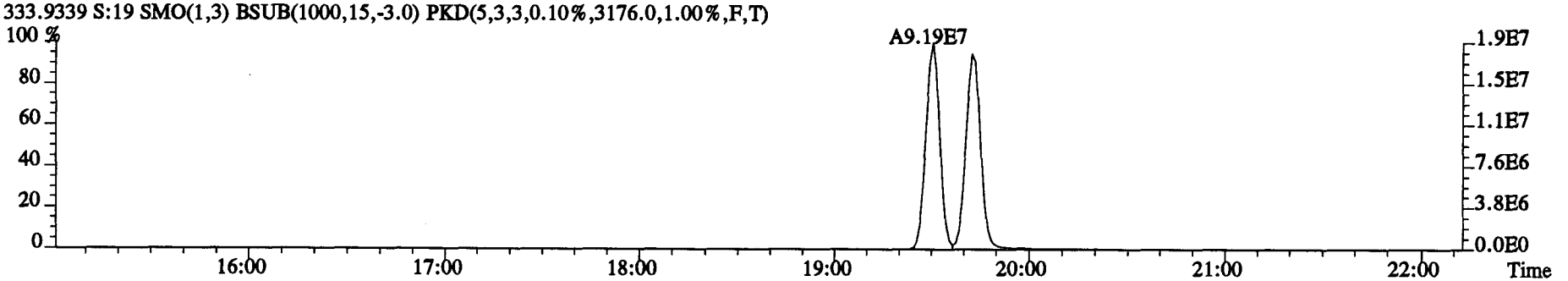
327.8847 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9076.0,1.00%,F,T)

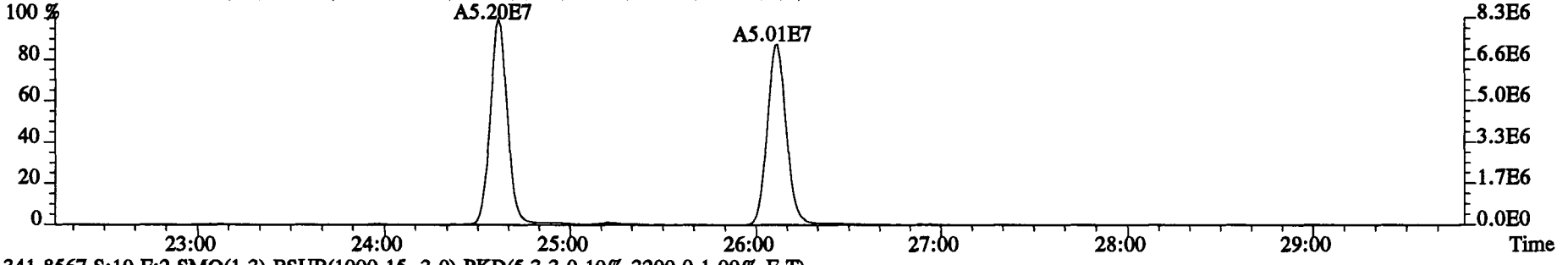


333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)

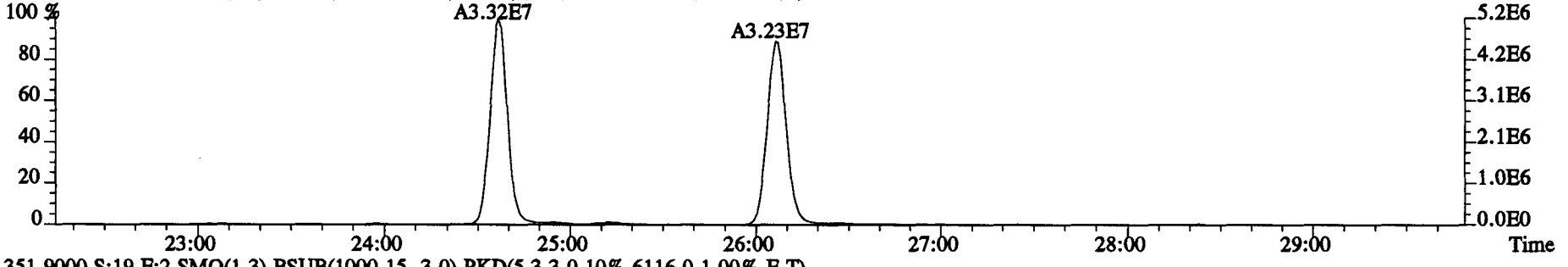


File:24AP104D5 #1-604 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A

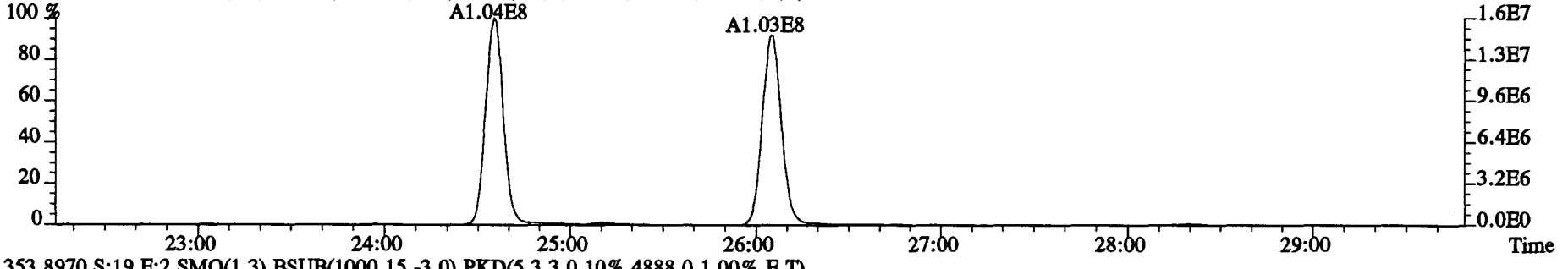
339.8597 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3176.0,1.00%,F,T)



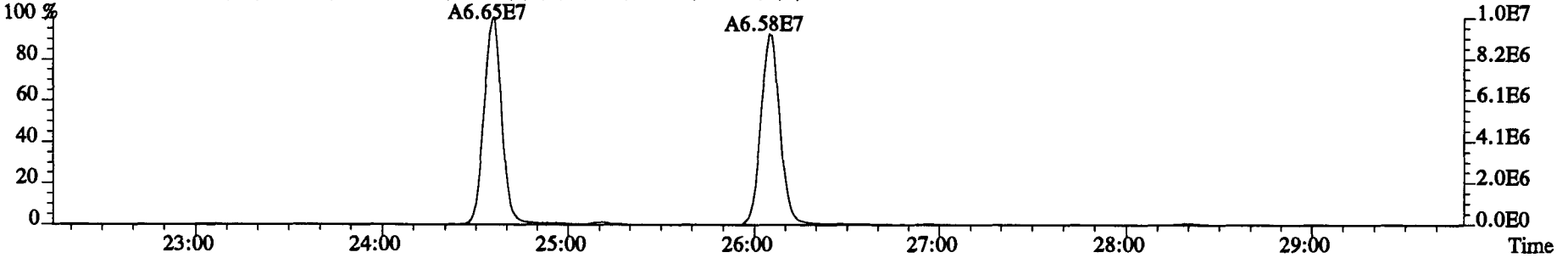
341.8567 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3200.0,1.00%,F,T)



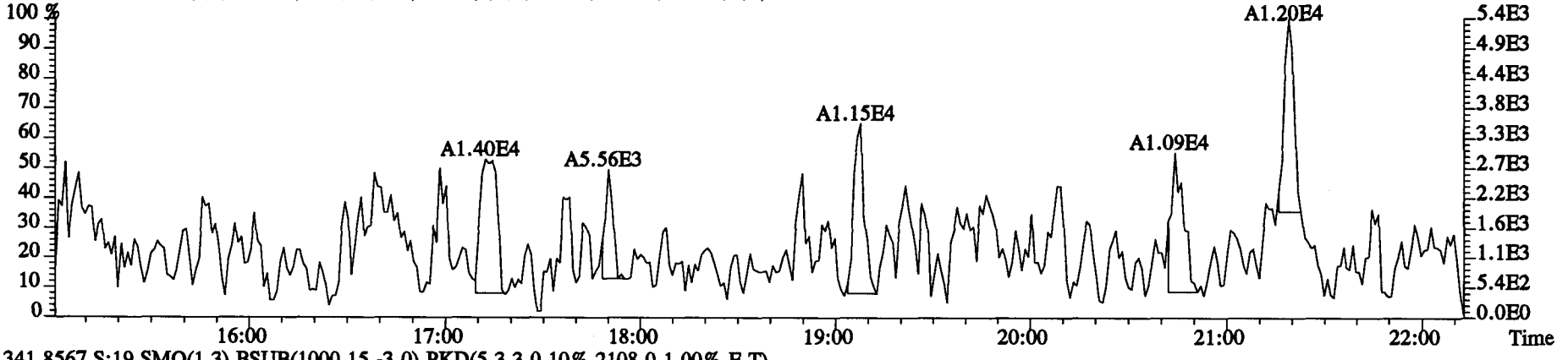
351.9000 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6116.0,1.00%,F,T)



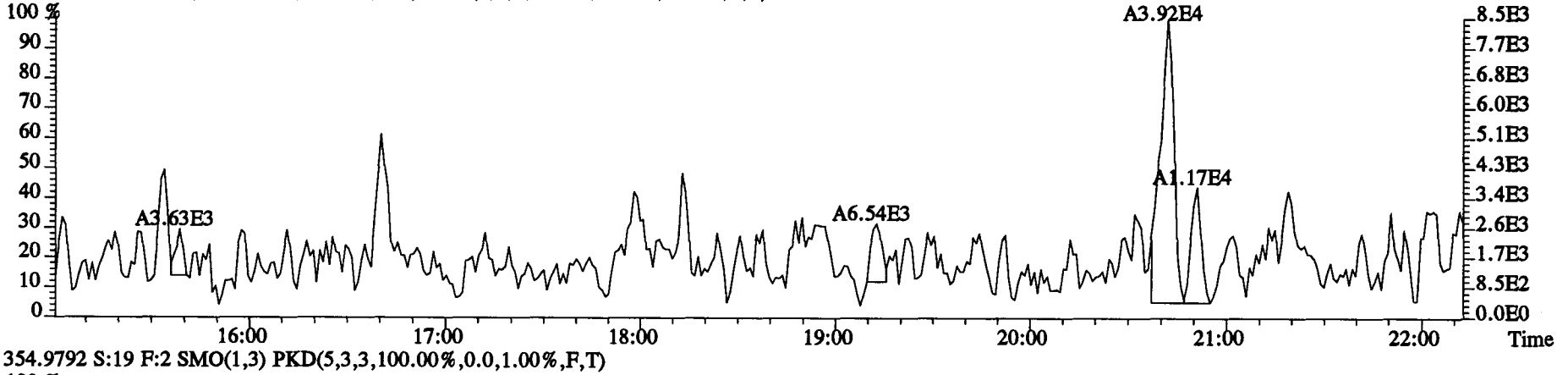
353.8970 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4888.0,1.00%,F,T)



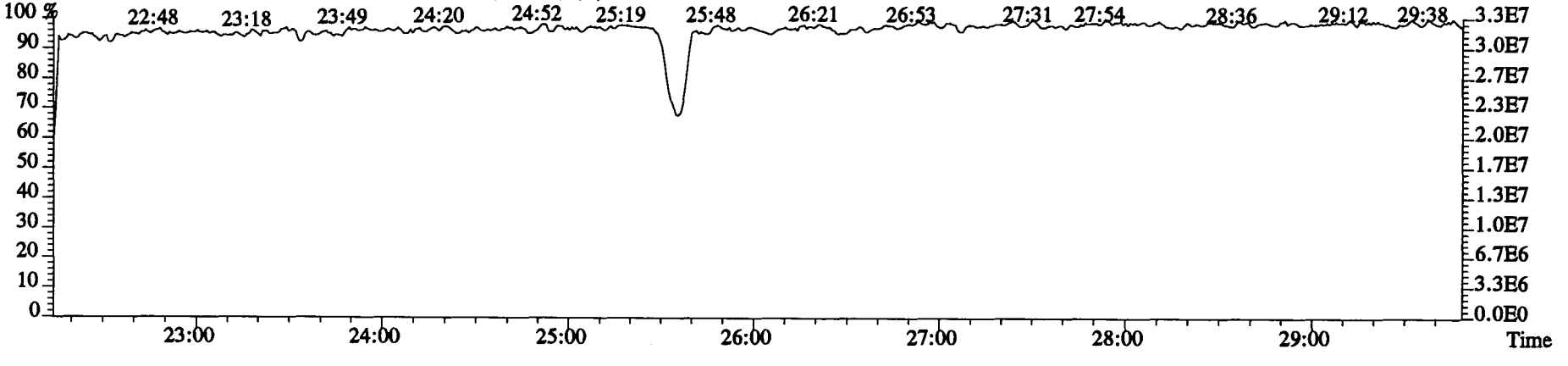
File:24AP104D5 #1-435 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1700.0,1.00%,F,T)



341.8567 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2108.0,1.00%,F,T)

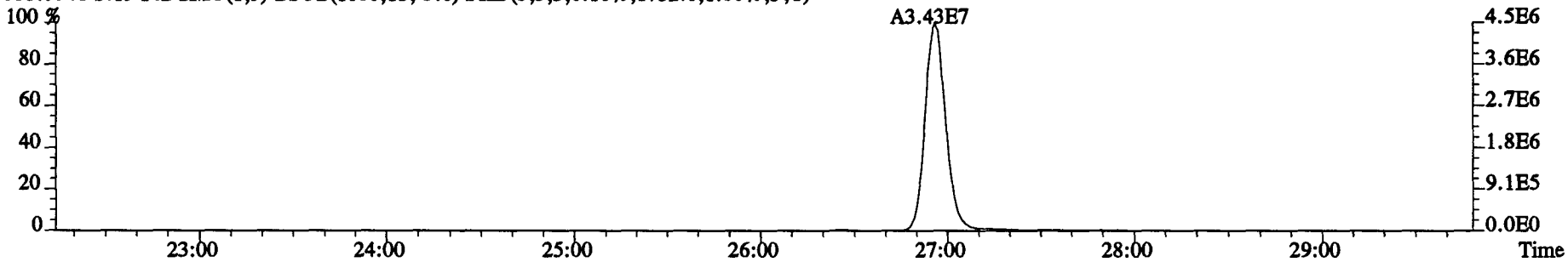


354.9792 S:19 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

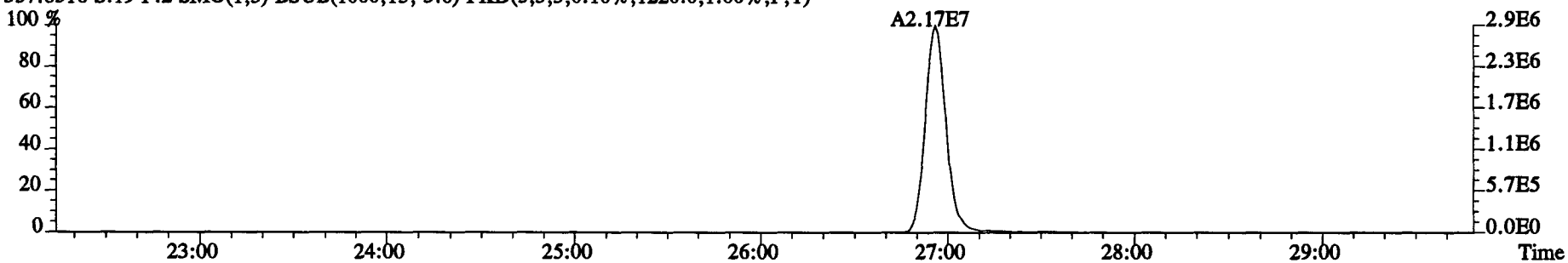


File:24AP104D5 #1-604 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A

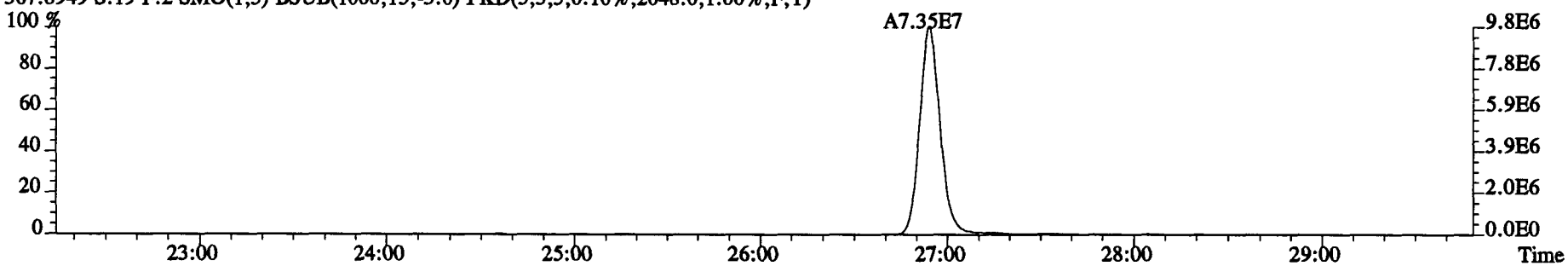
355.8546 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1752.0,1.00%,F,T)



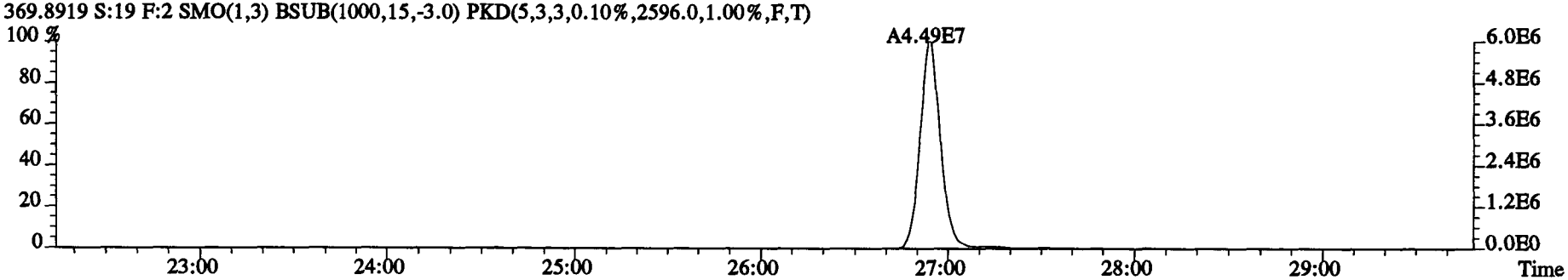
357.8516 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1220.0,1.00%,F,T)



367.8949 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2048.0,1.00%,F,T)

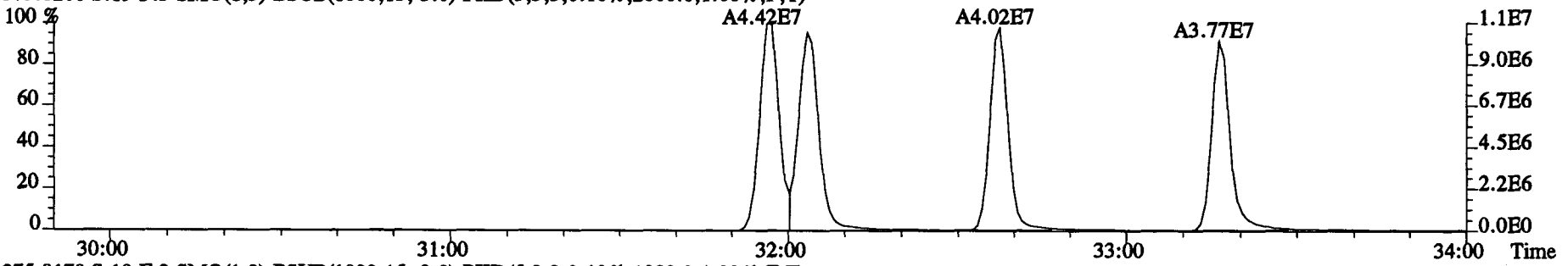


369.8919 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2596.0,1.00%,F,T)

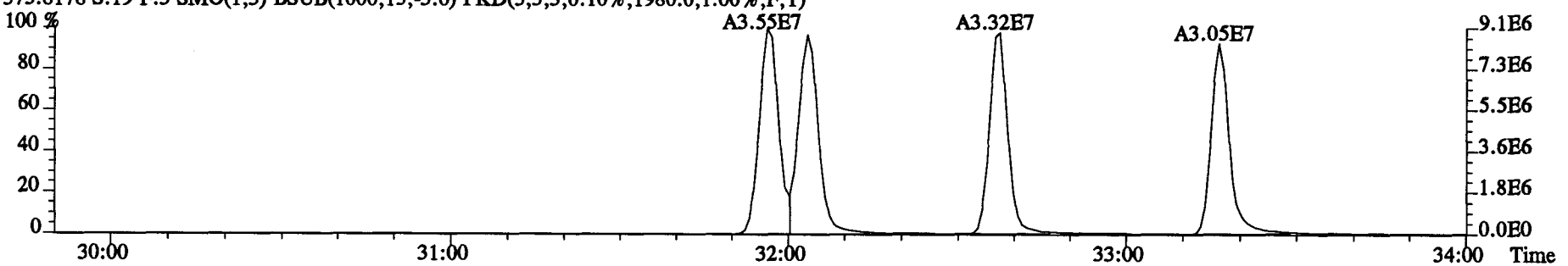


File:24AP104D5 #1-316 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A

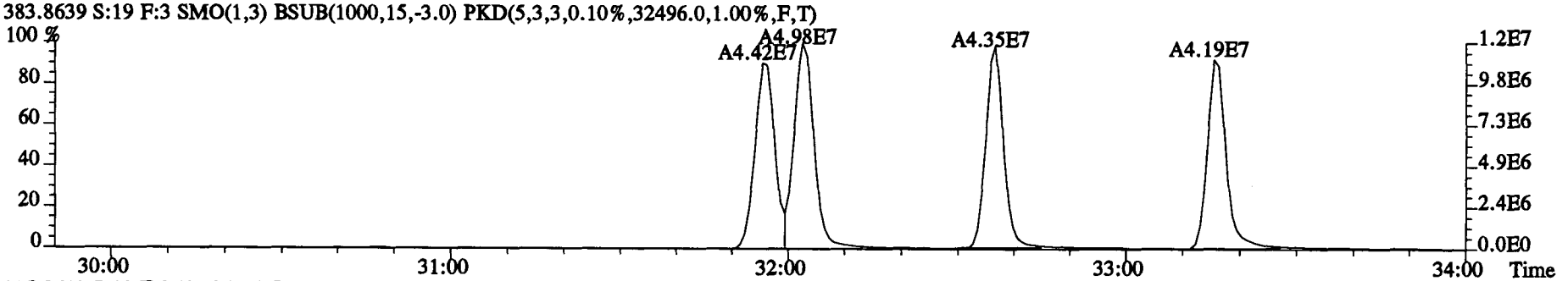
373.8208 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2000.0,1.00%,F,T)



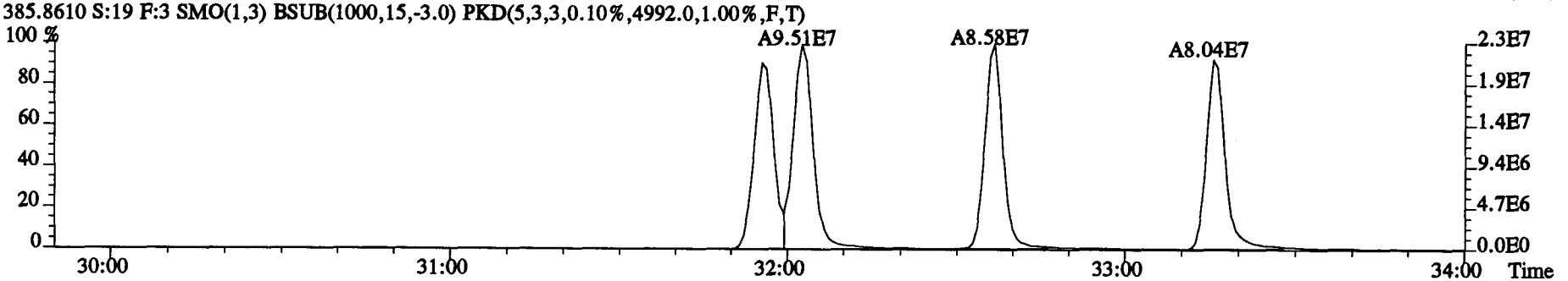
375.8178 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)



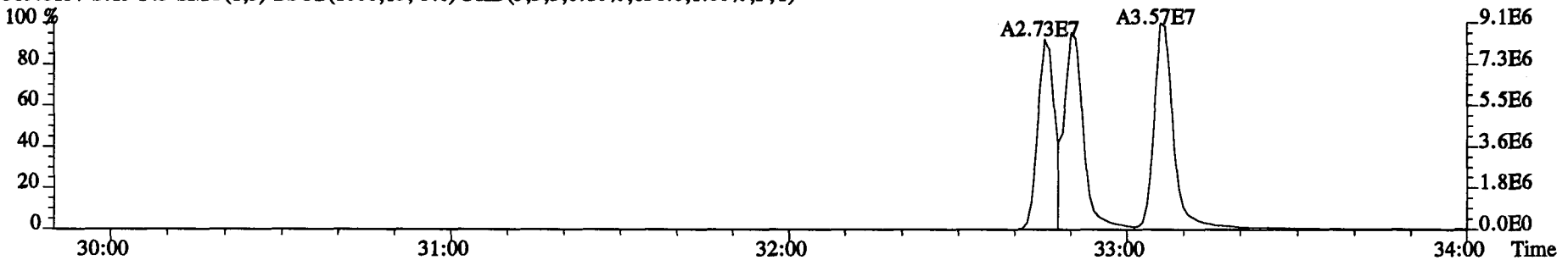
383.8639 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32496.0,1.00%,F,T)



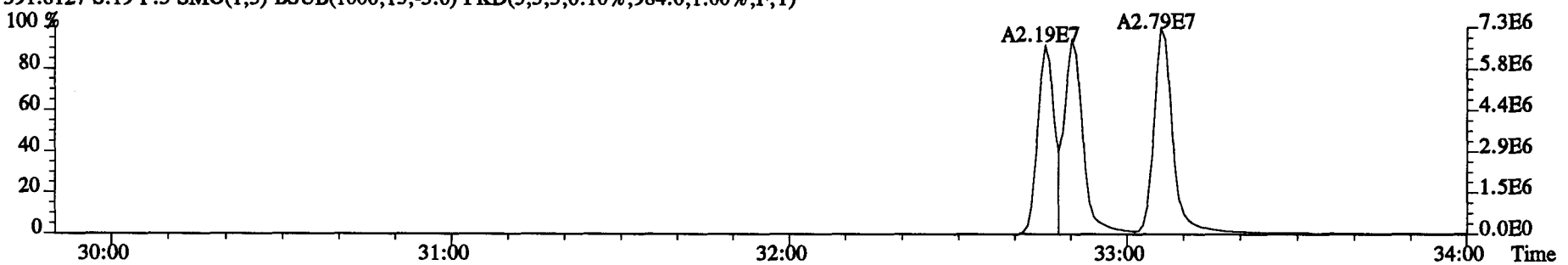
385.8610 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)



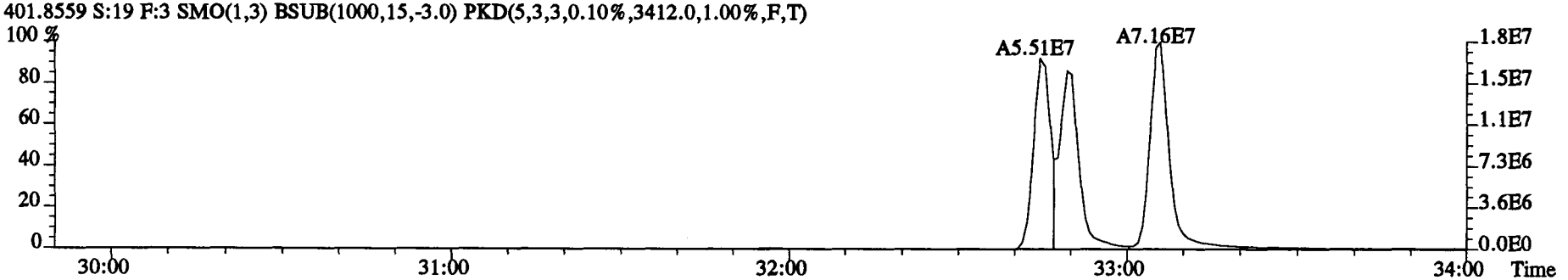
File:24AP104D5 #1-316 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
389.8157 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,636.0,1.00%,F,T)



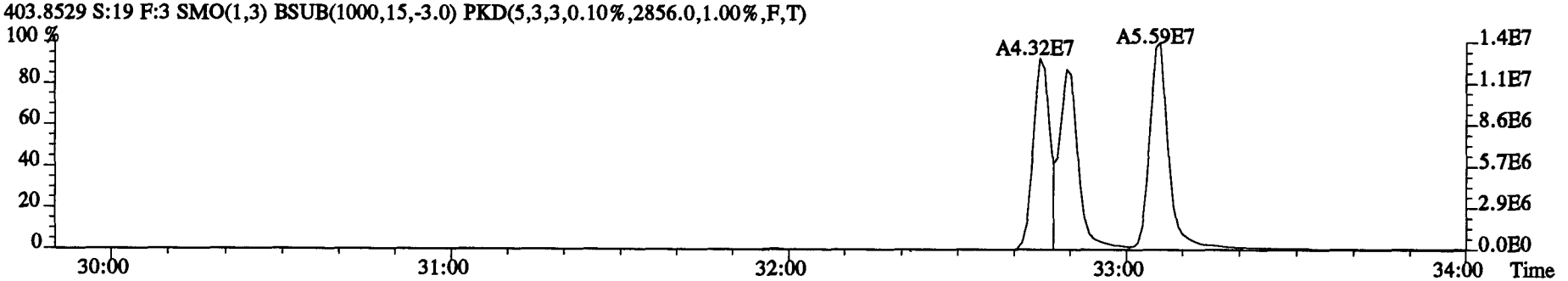
391.8127 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,984.0,1.00%,F,T)



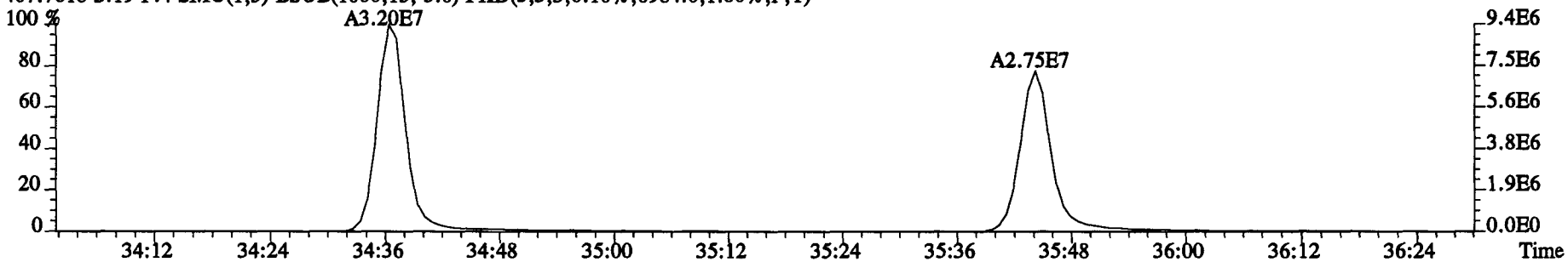
401.8559 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3412.0,1.00%,F,T)

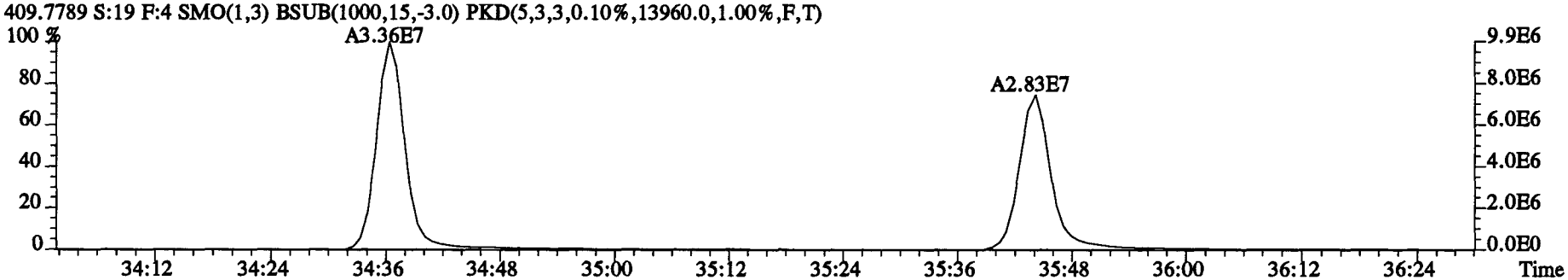


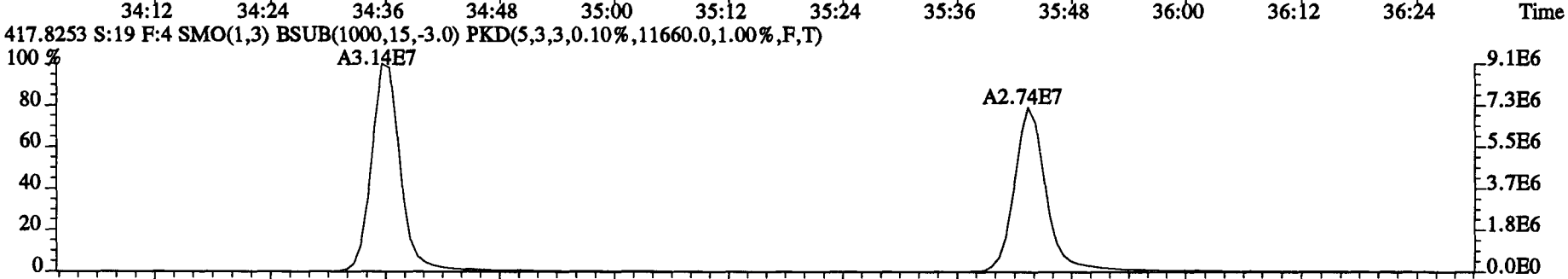
403.8529 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2856.0,1.00%,F,T)

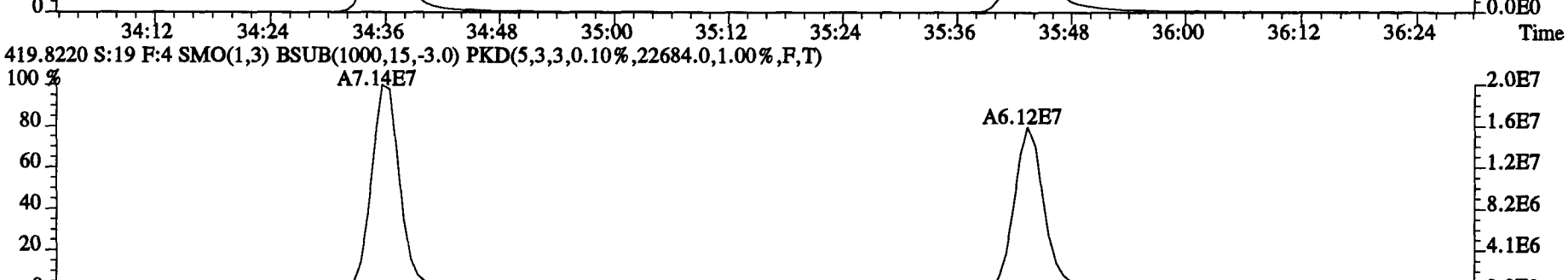


File:24AP104D5 #1-198 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A

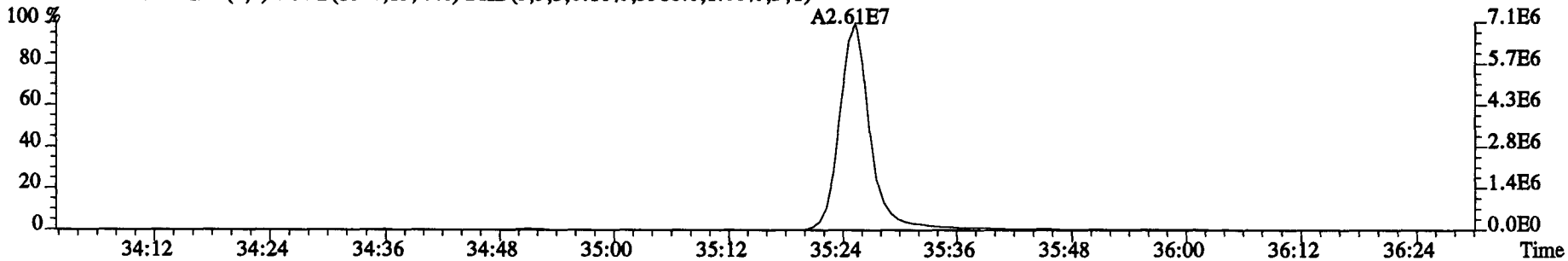




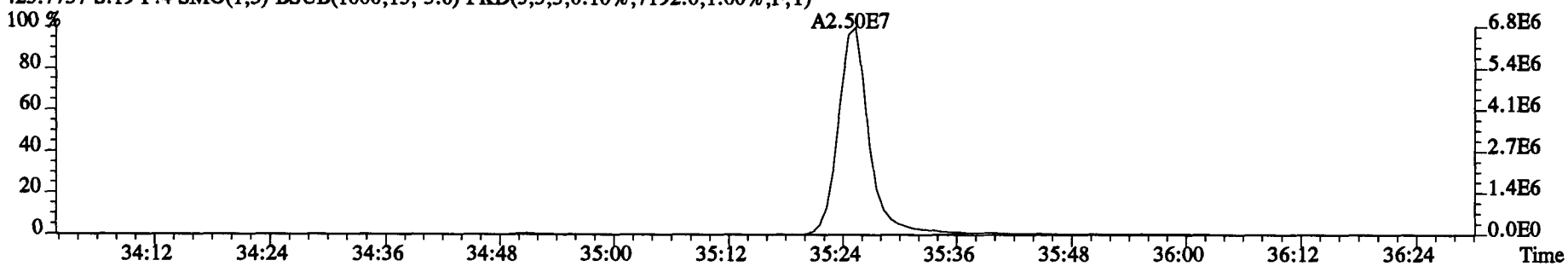




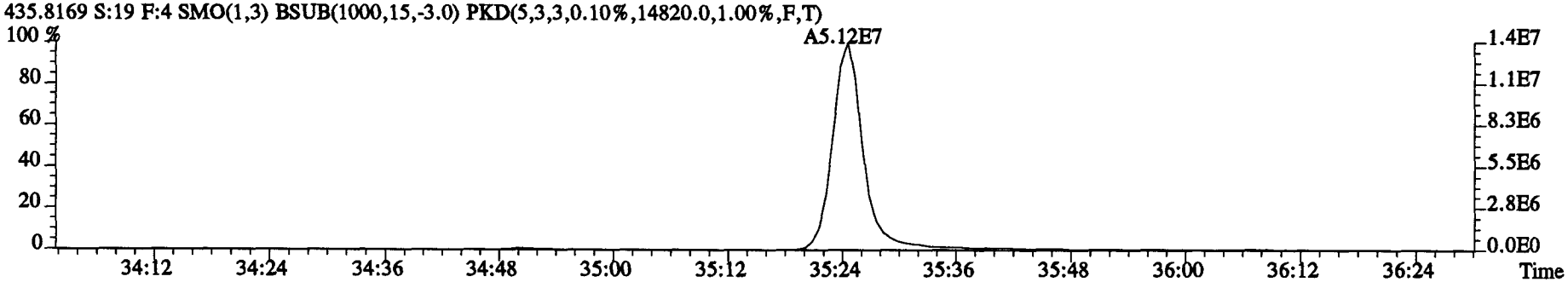
File:24AP104D5 #1-198 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
423.7766 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3988.0,1.00%,F,T)



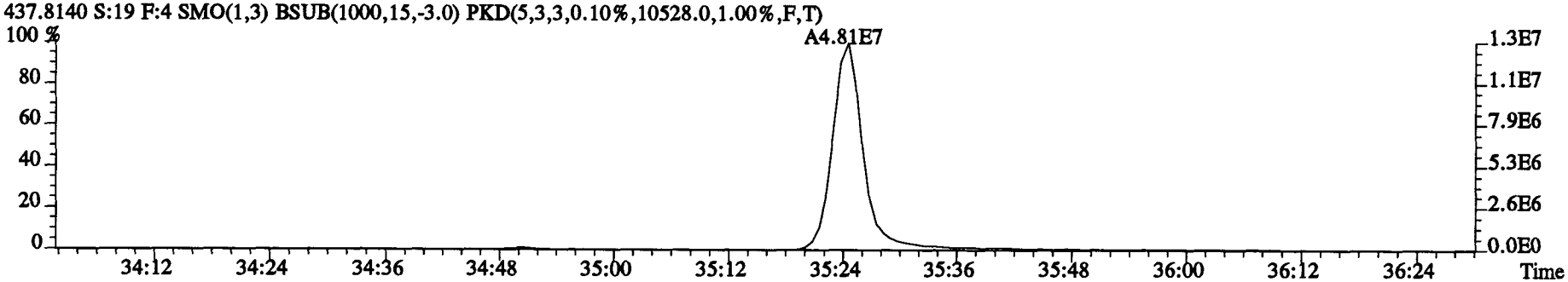
425.7737 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7192.0,1.00%,F,T)



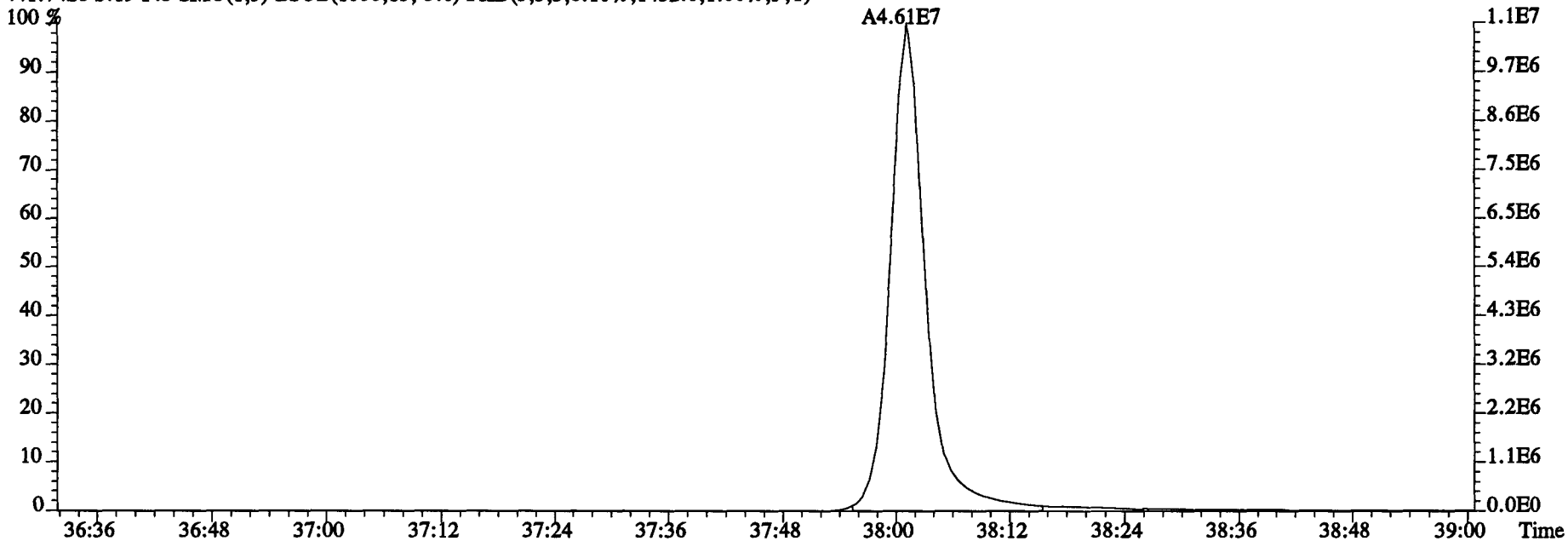
435.8169 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14820.0,1.00%,F,T)



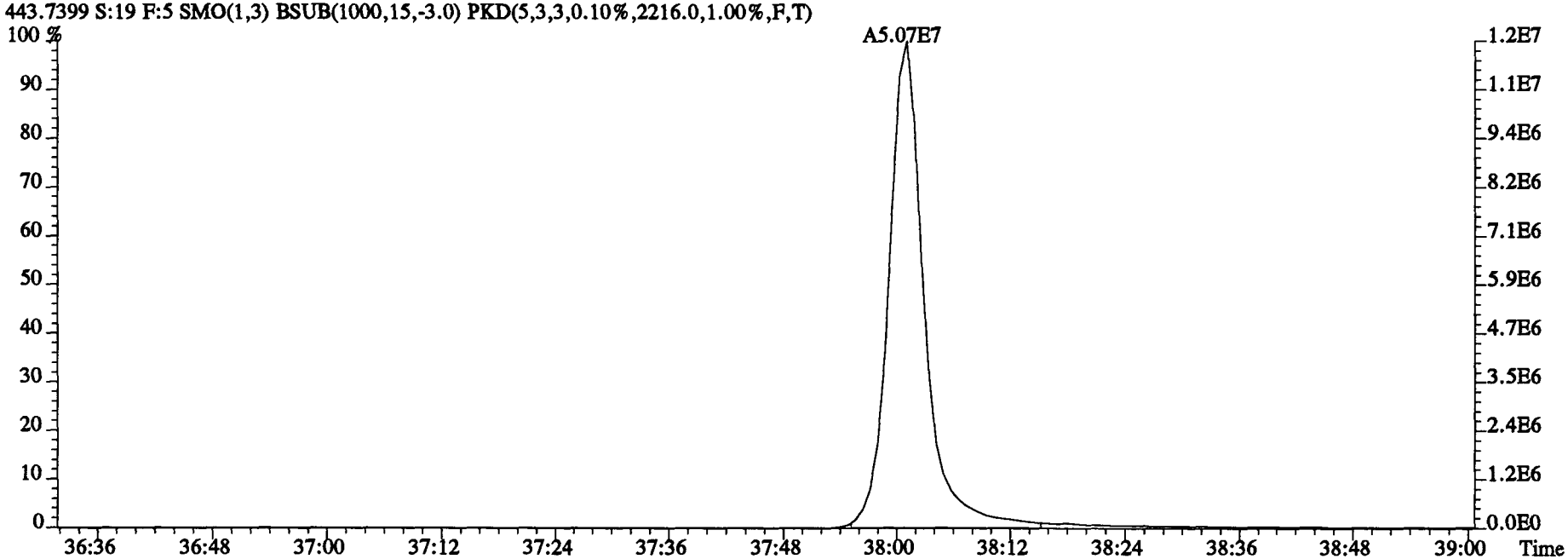
437.8140 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10528.0,1.00%,F,T)



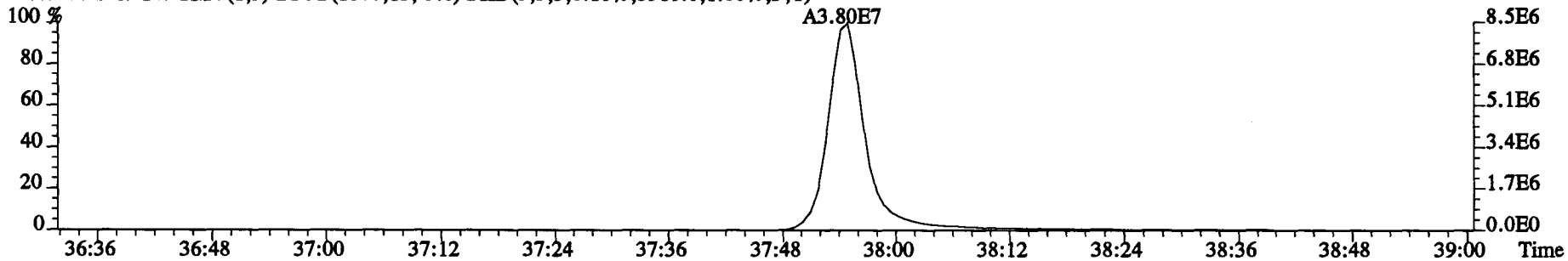
File:24AP104D5 #1-191 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1452.0,1.00%,F,T)



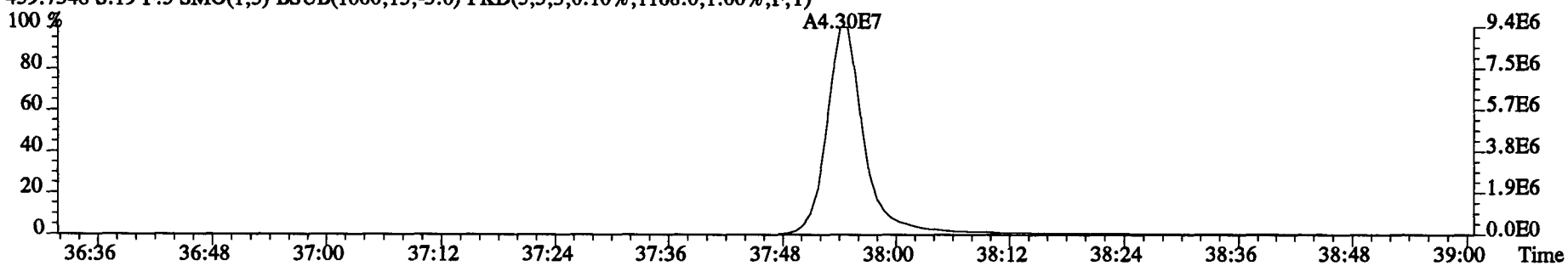
443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



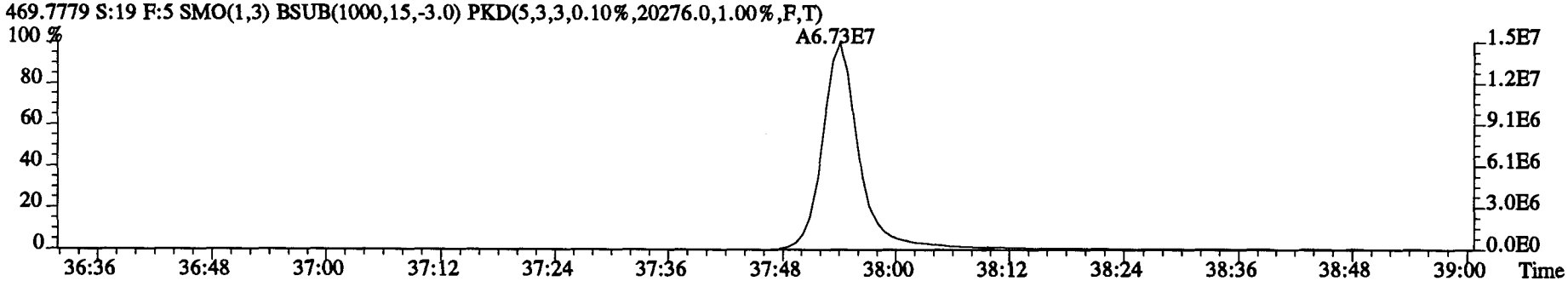
File:24AP104D5 #1-191 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
457.7377 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5960.0,1.00%,F,T)



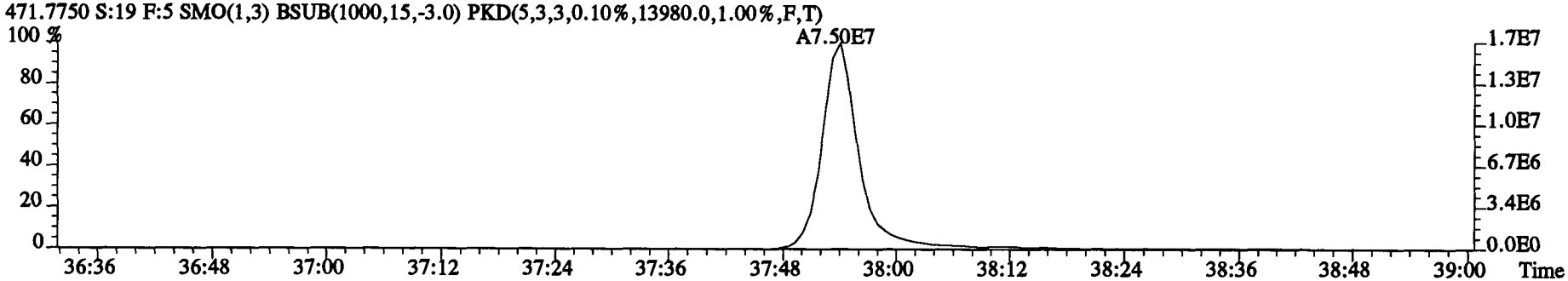
459.7348 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1168.0,1.00%,F,T)



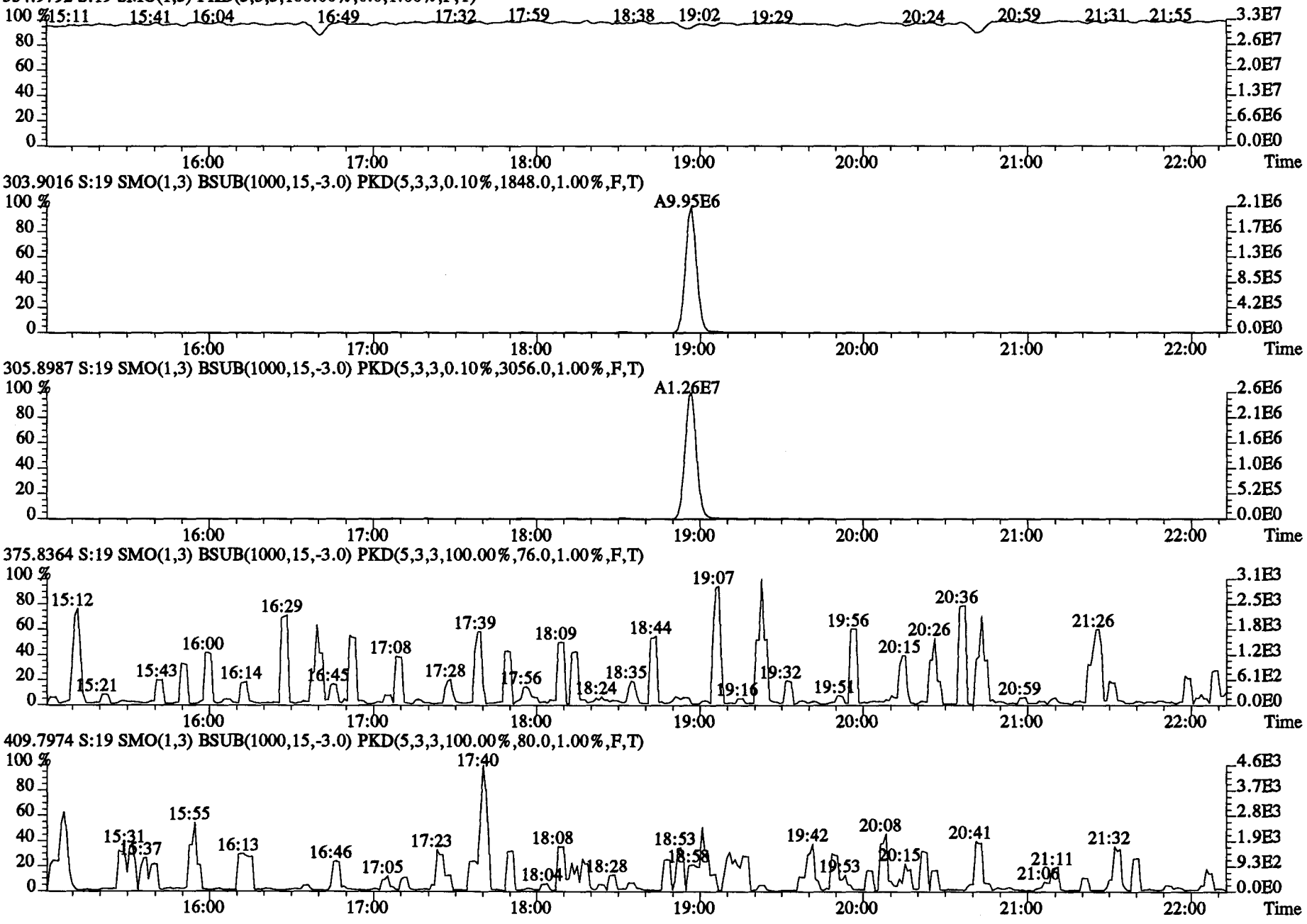
469.7779 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20276.0,1.00%,F,T)



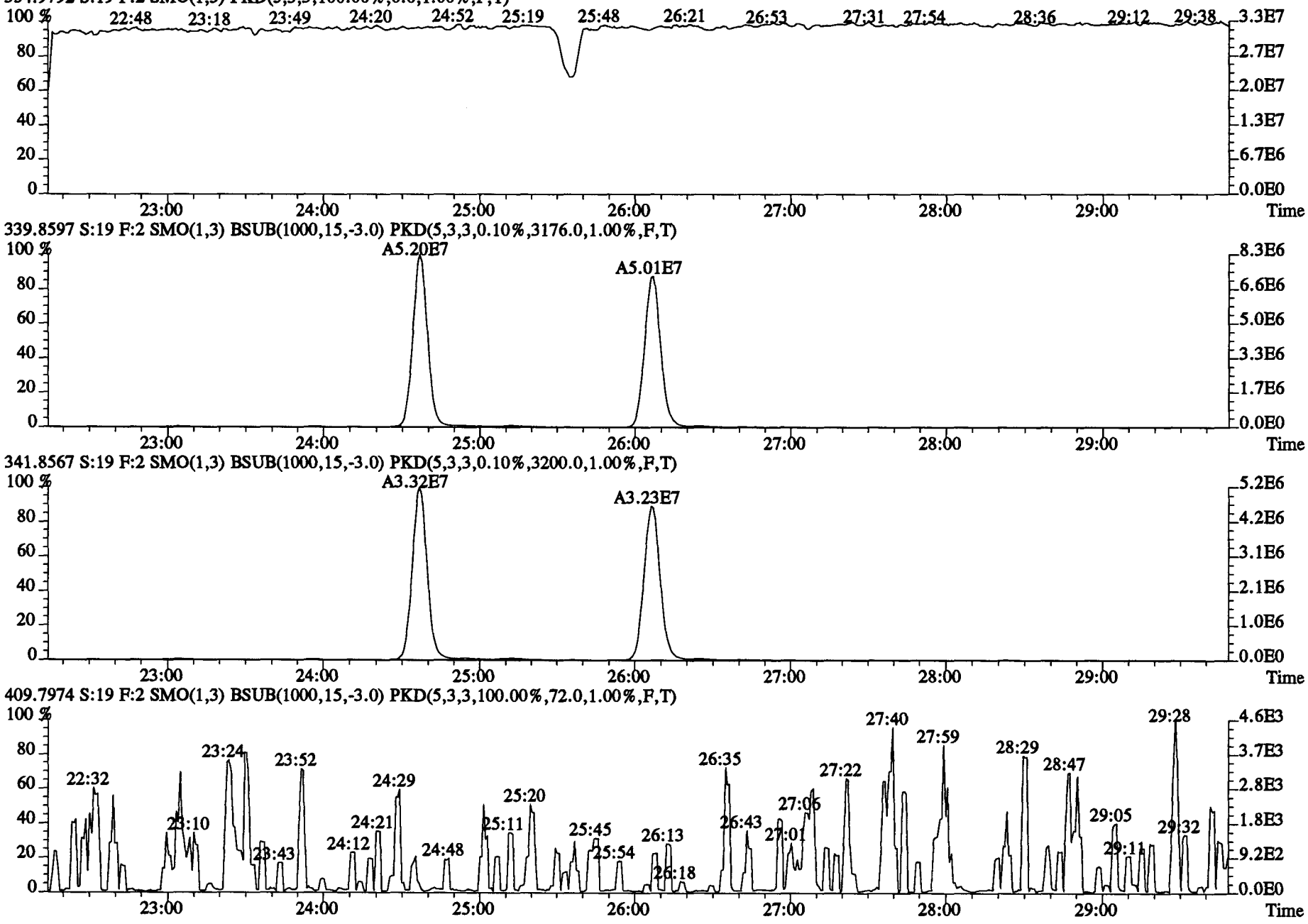
471.7750 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13980.0,1.00%,F,T)



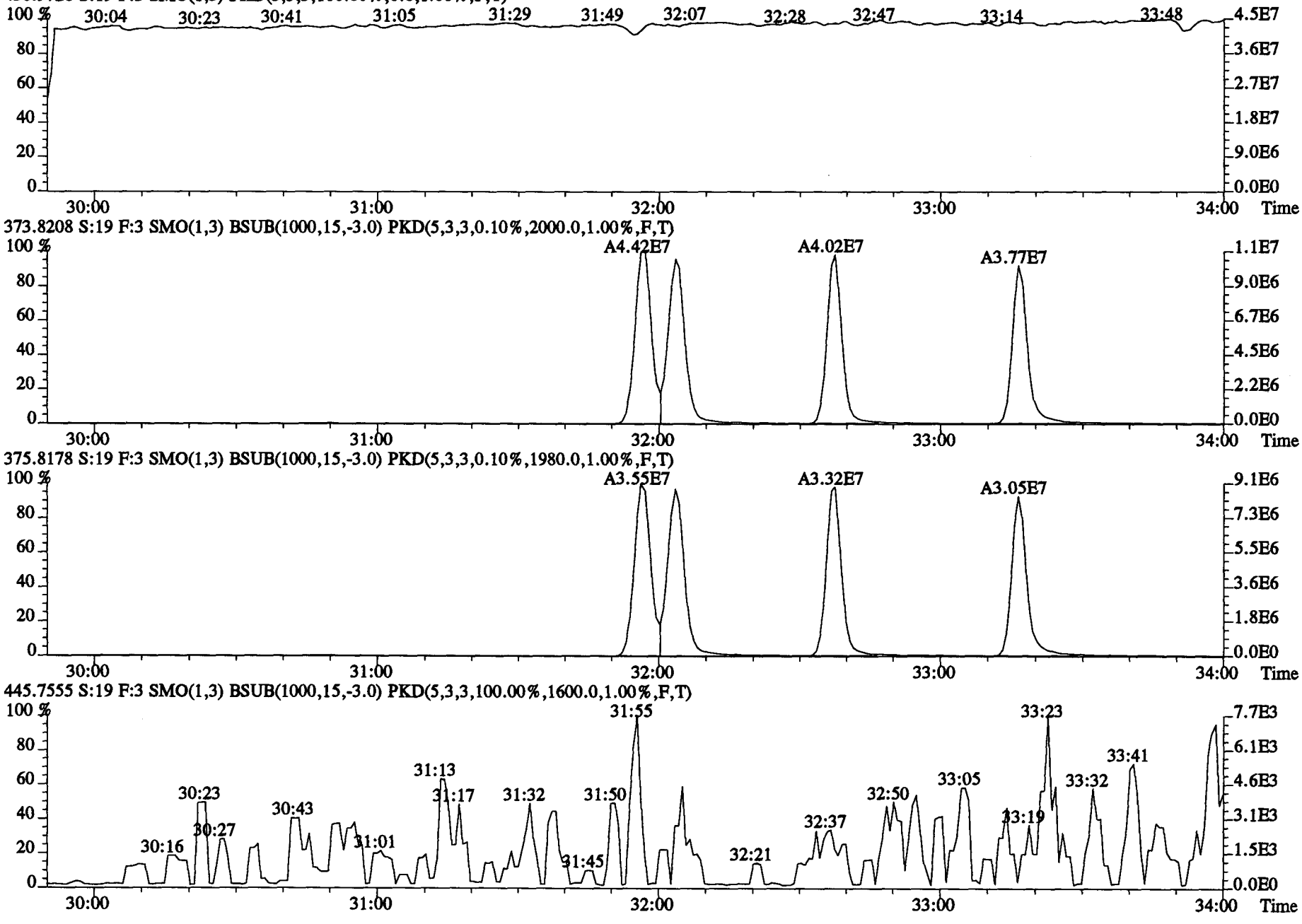
File:24AP104D5 #1-435 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A



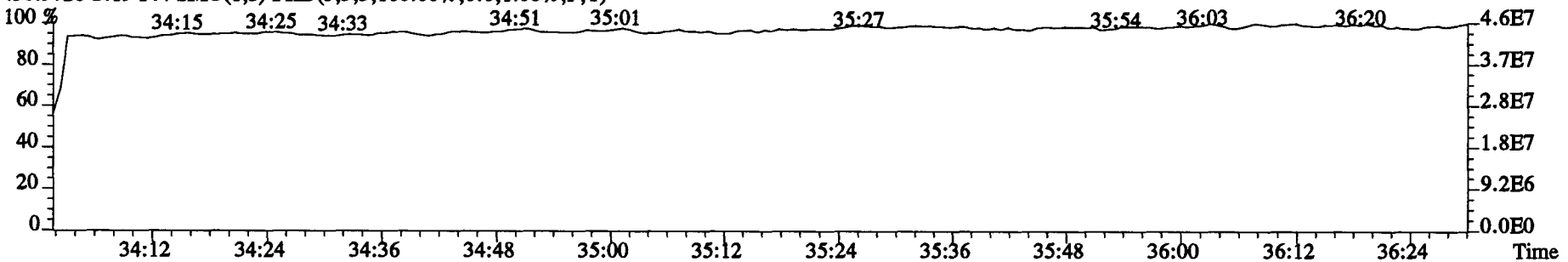
File:24AP104D5 #1-604 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A



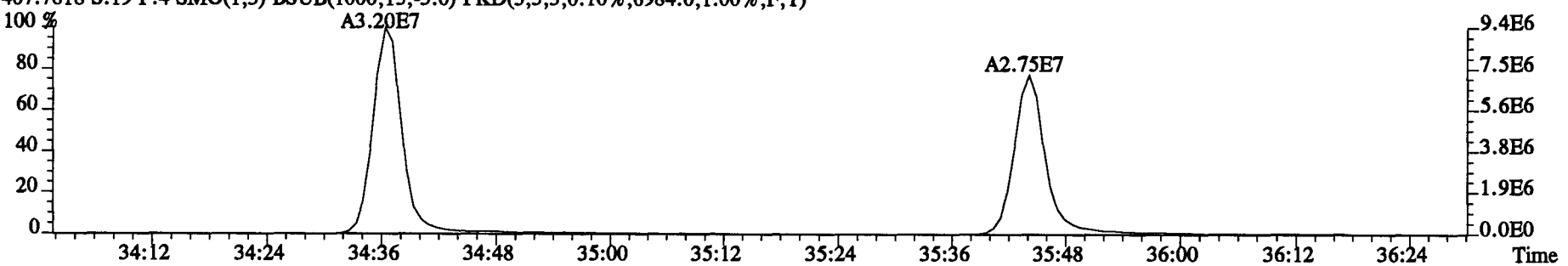
File:24AP104D5 #1-316 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A



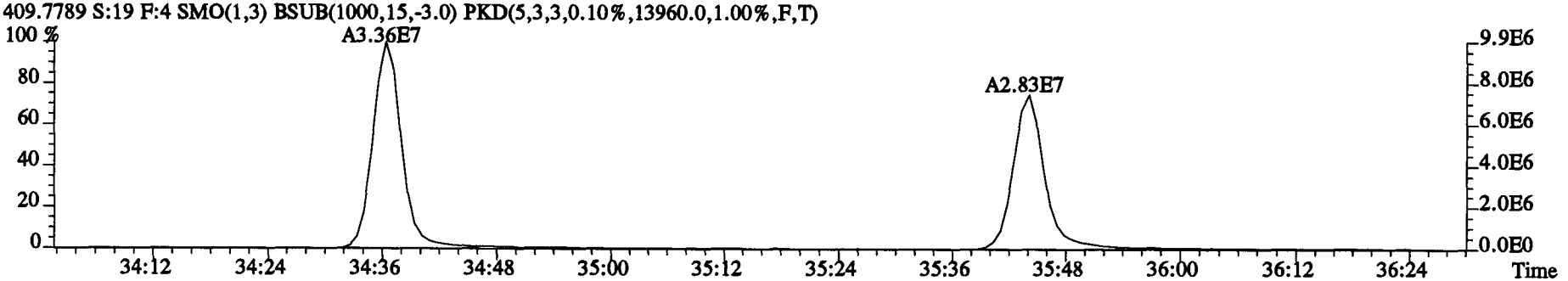
File:24AP104D5 #1-198 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
430.9728 S:19 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



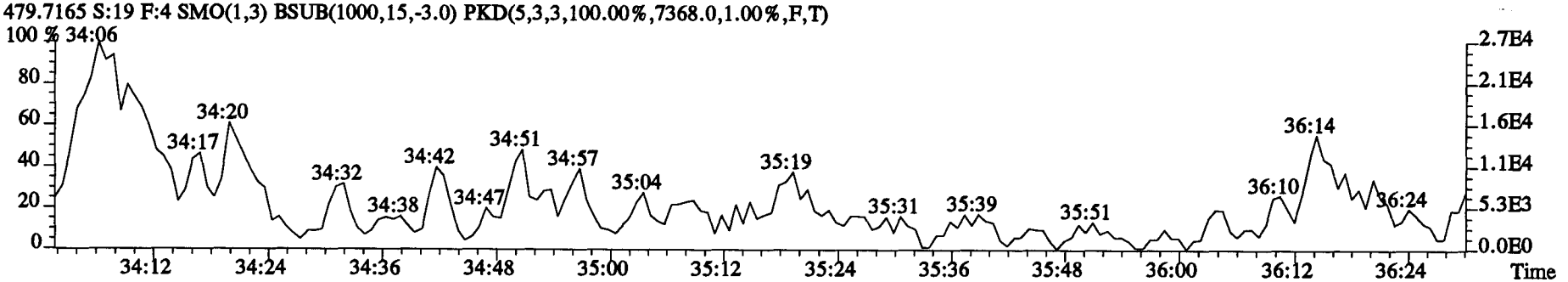
407.7818 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6984.0,1.00%,F,T)



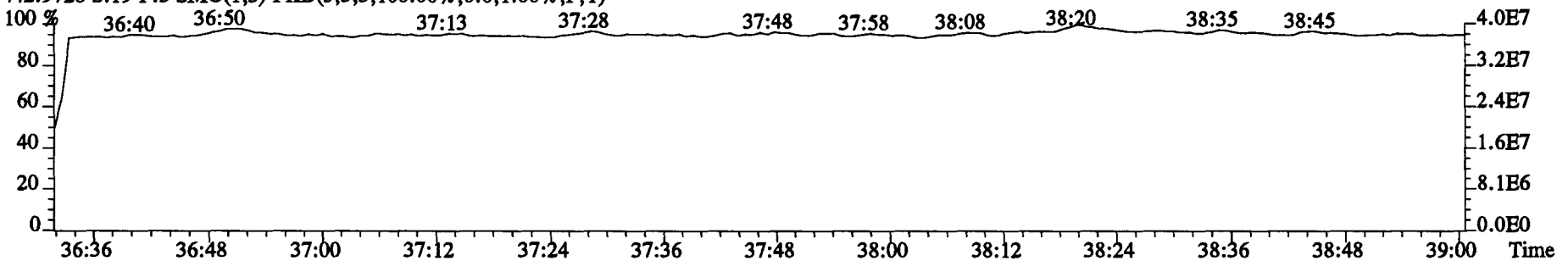
409.7789 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13960.0,1.00%,F,T)



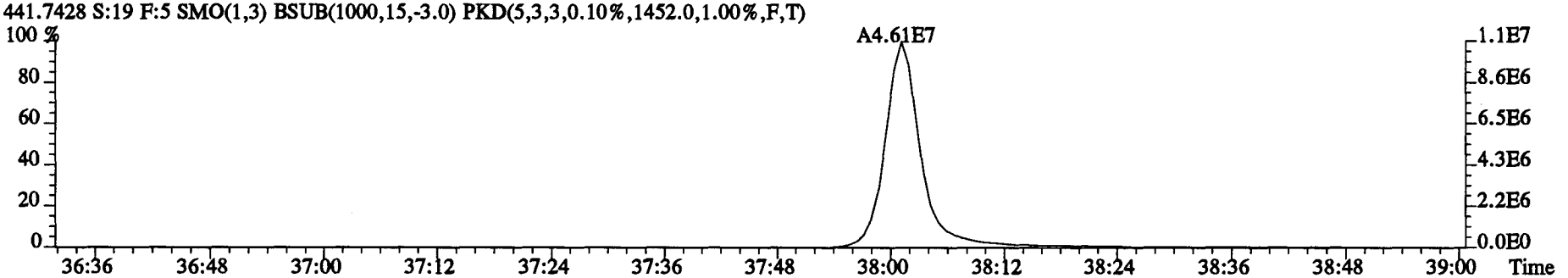
479.7165 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7368.0,1.00%,F,T)



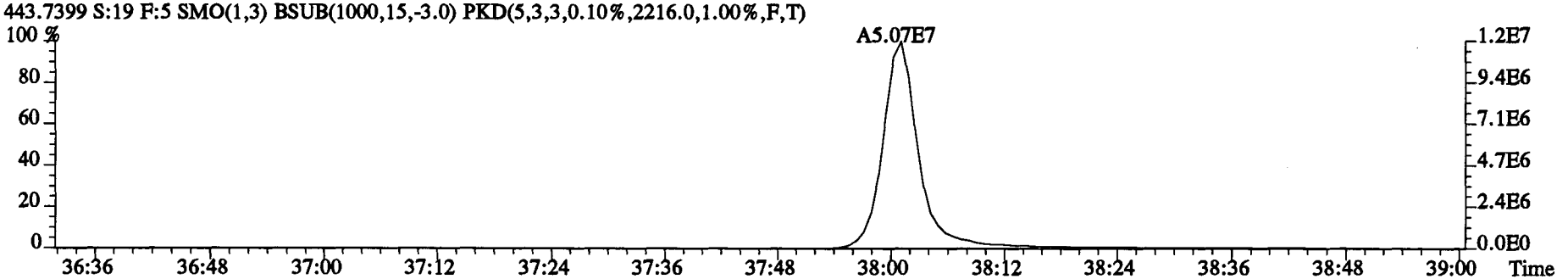
File:24AP104D5 #1-191 Acq:24-APR-2010 22:22:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#19 Text:ST0424A :CS3 10DXN083 Exp:DIOXINRES8290A
442.9728 S:19 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



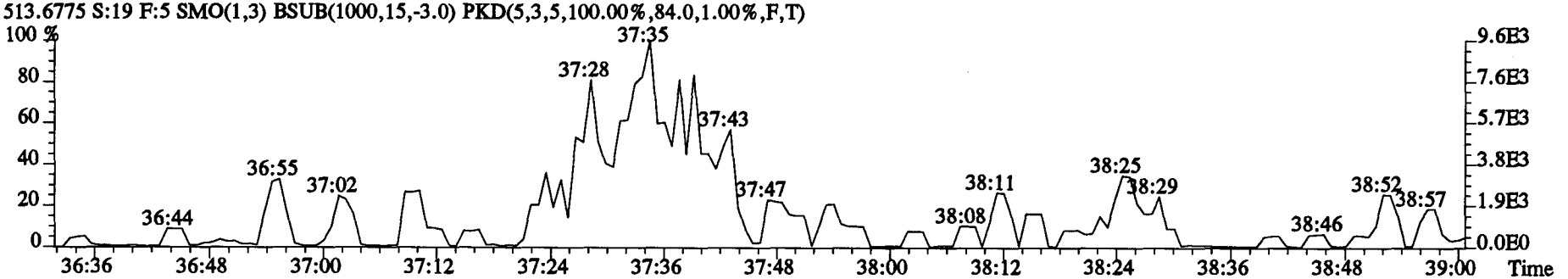
441.7428 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1452.0,1.00%,F,T)



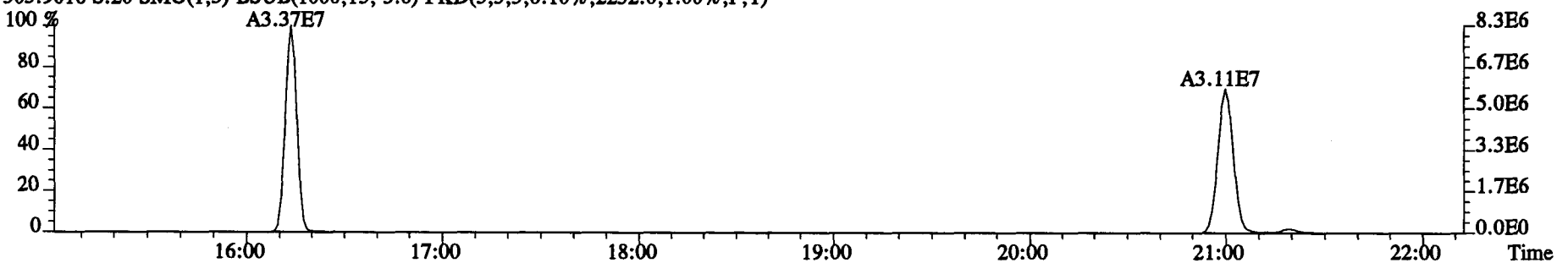
443.7399 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)

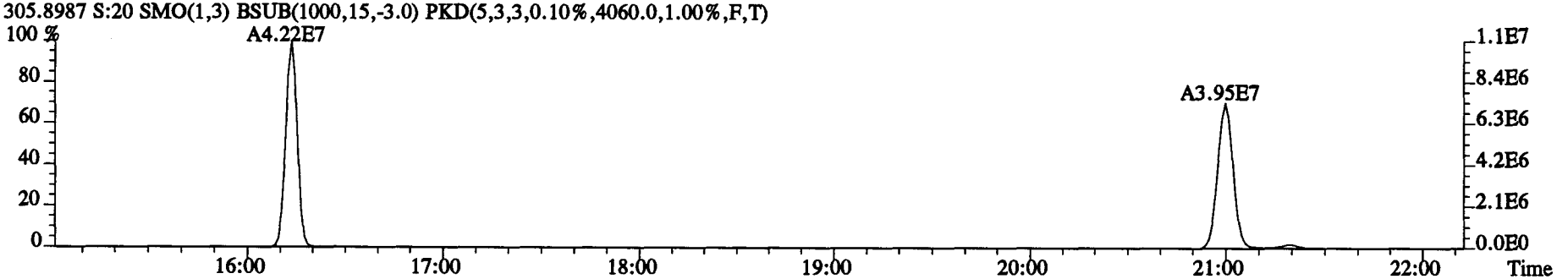


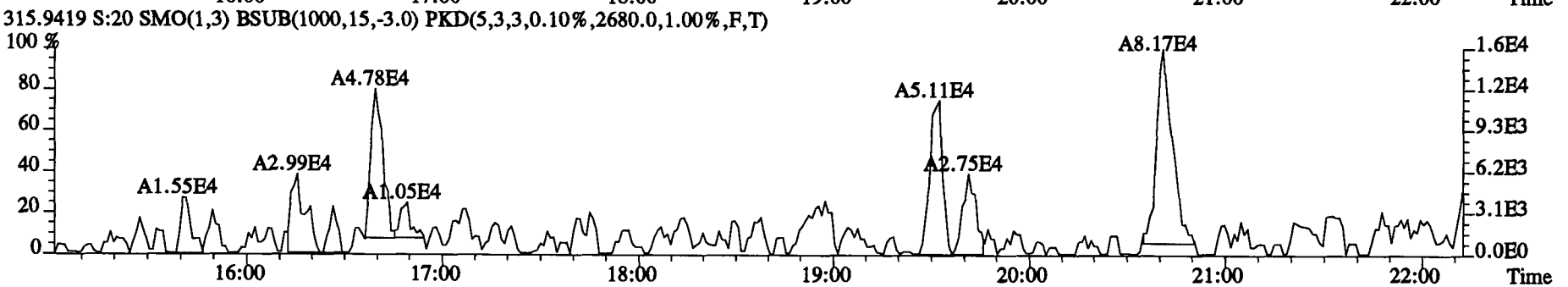
513.6775 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,84.0,1.00%,F,T)

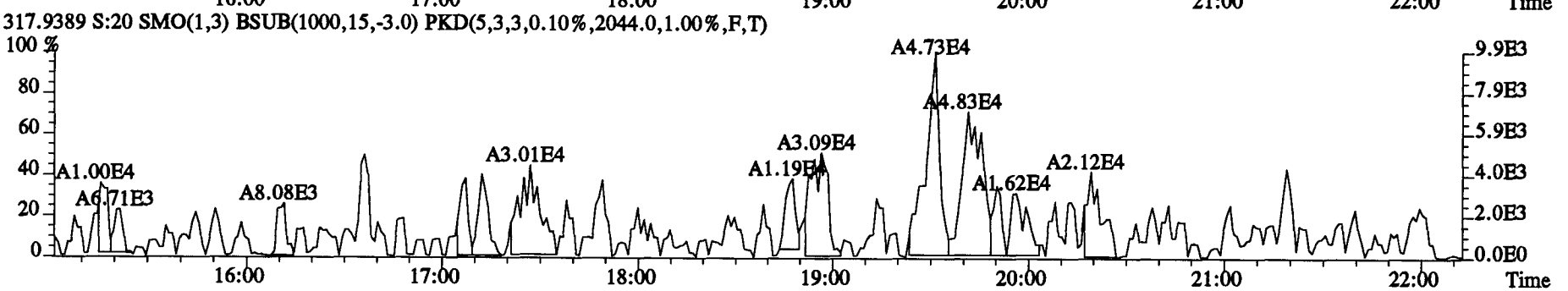


File:24AP104D5 #1-434 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

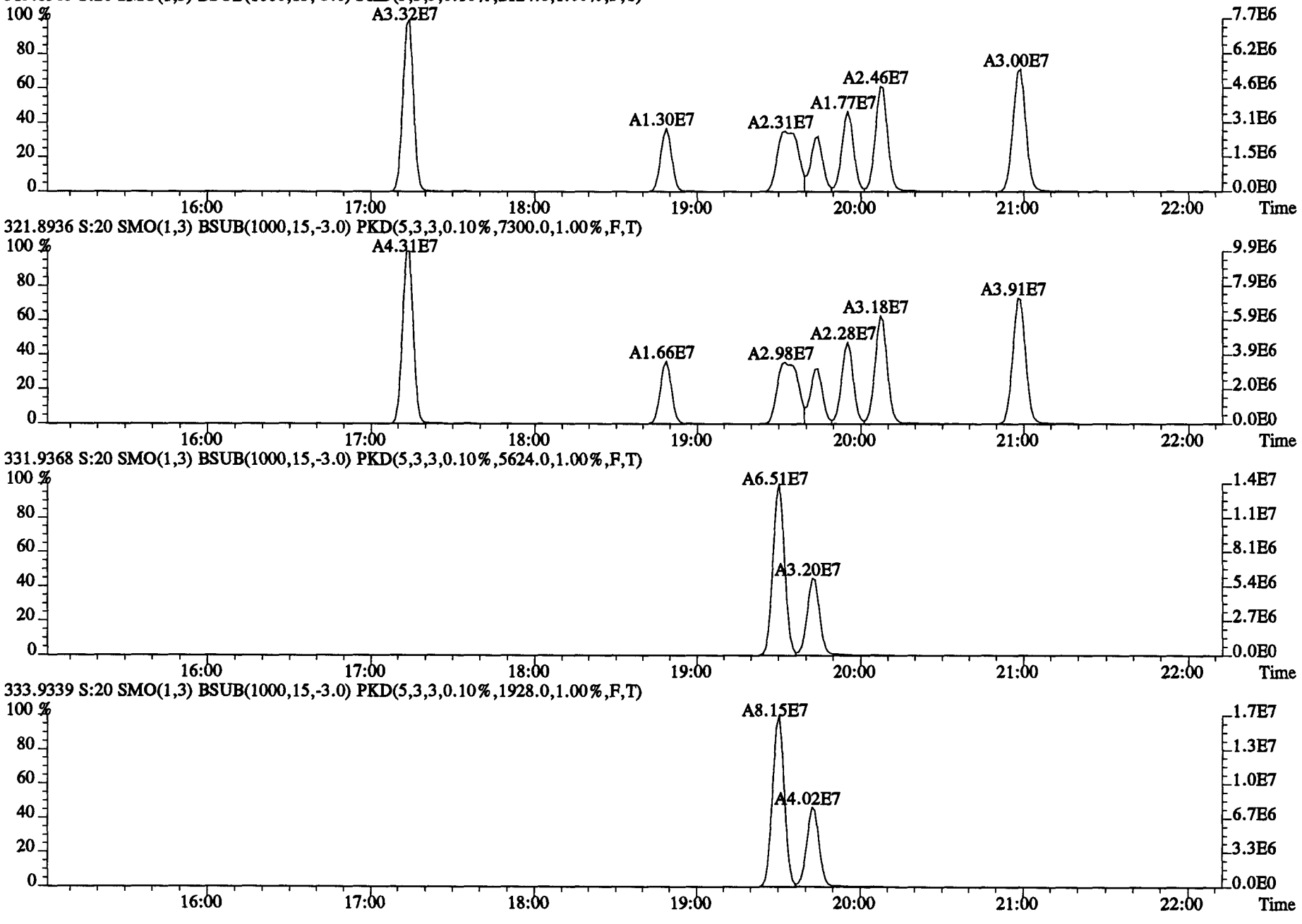




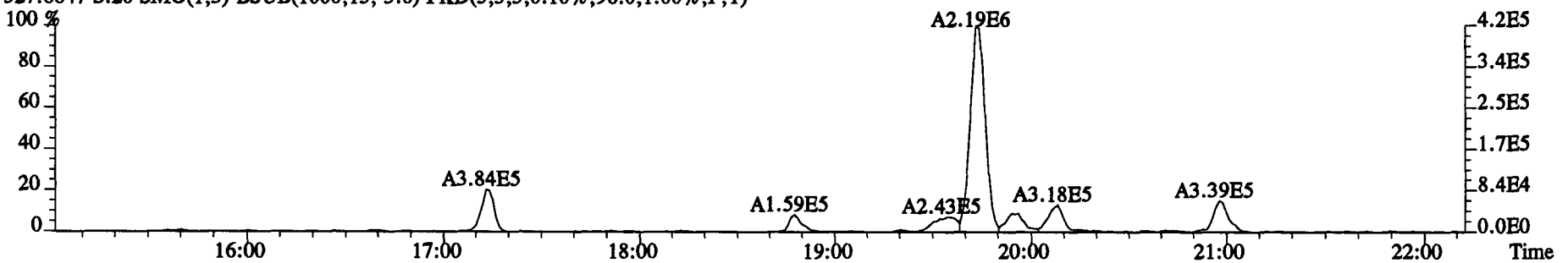


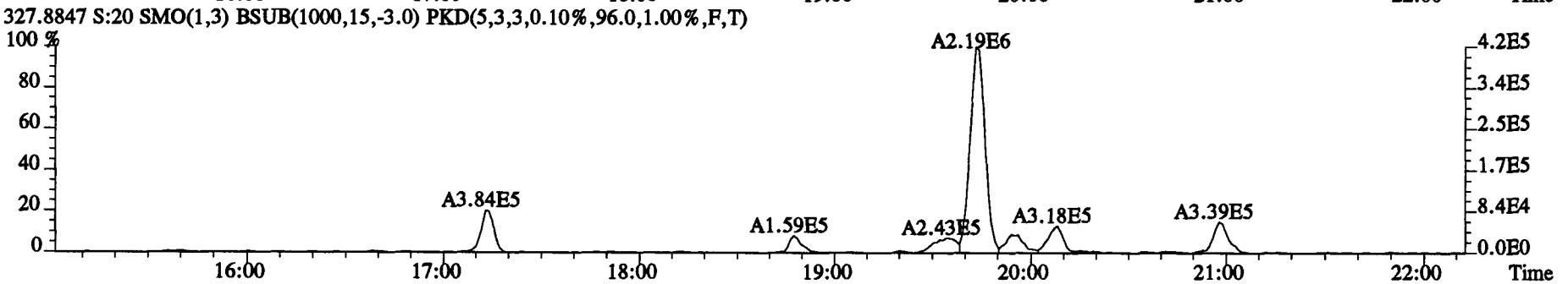


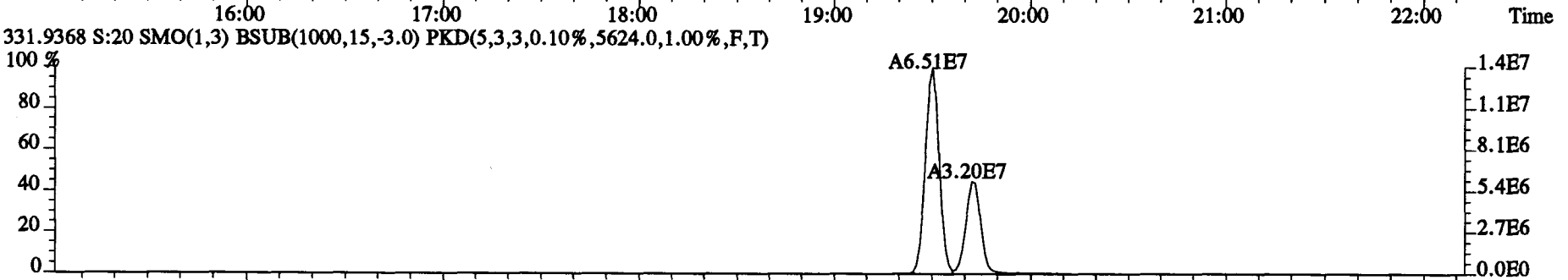
File:24AP104D5 #1-434 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

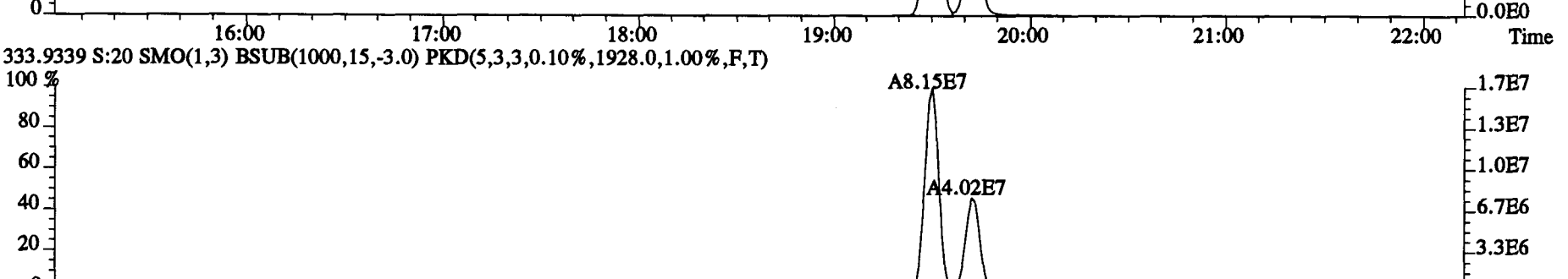


File:24AP104D5 #1-434 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

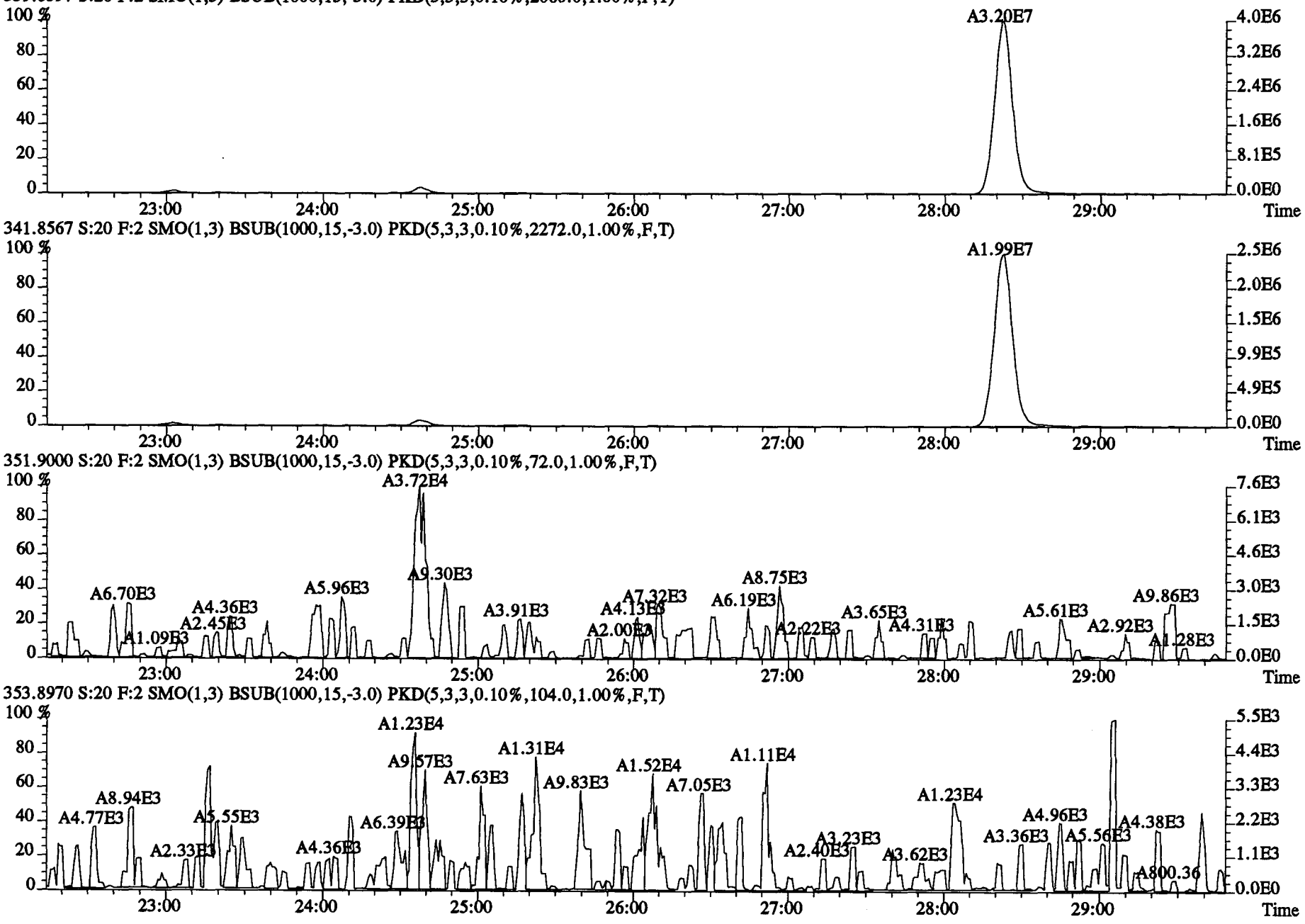




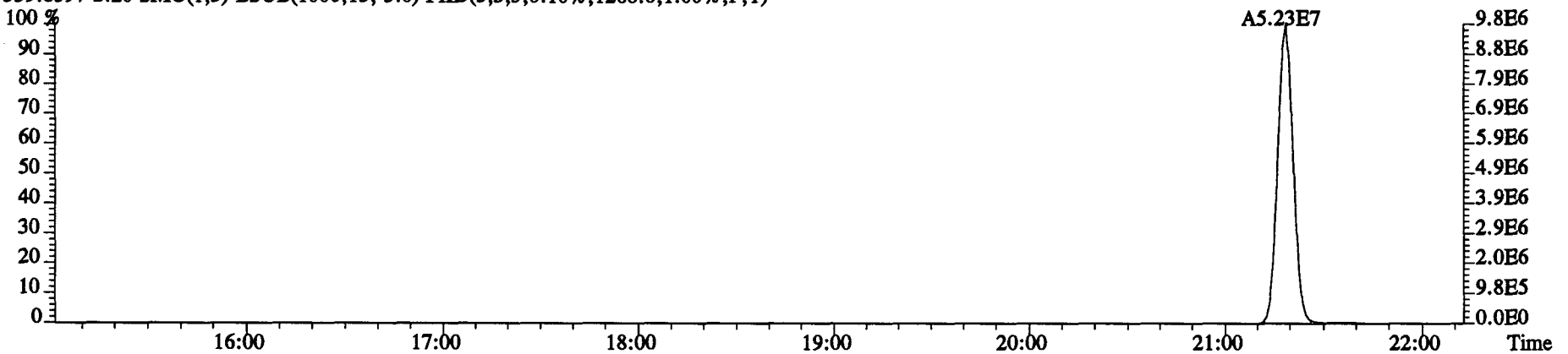




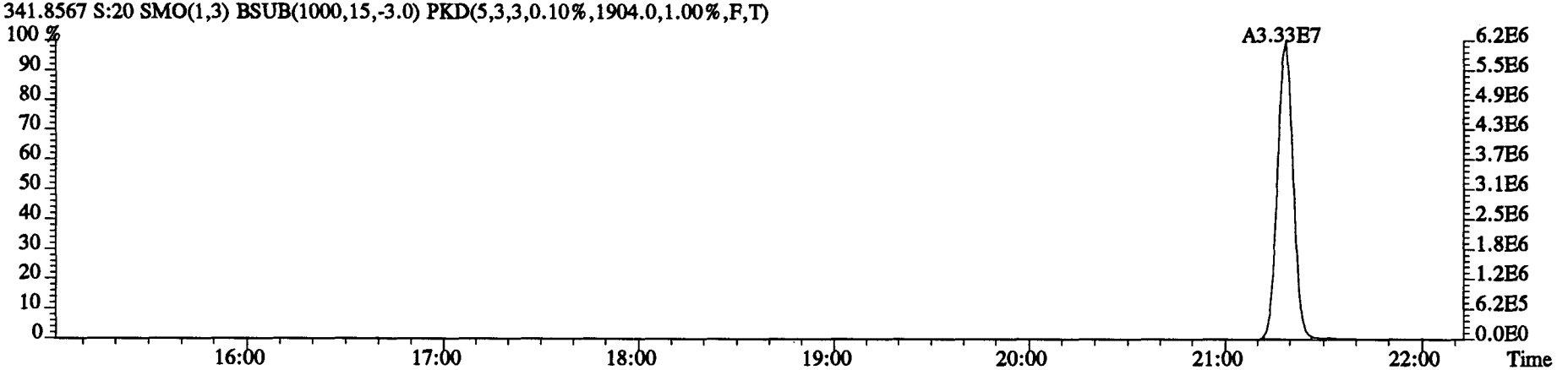
File:24AP104D5 #1-604 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



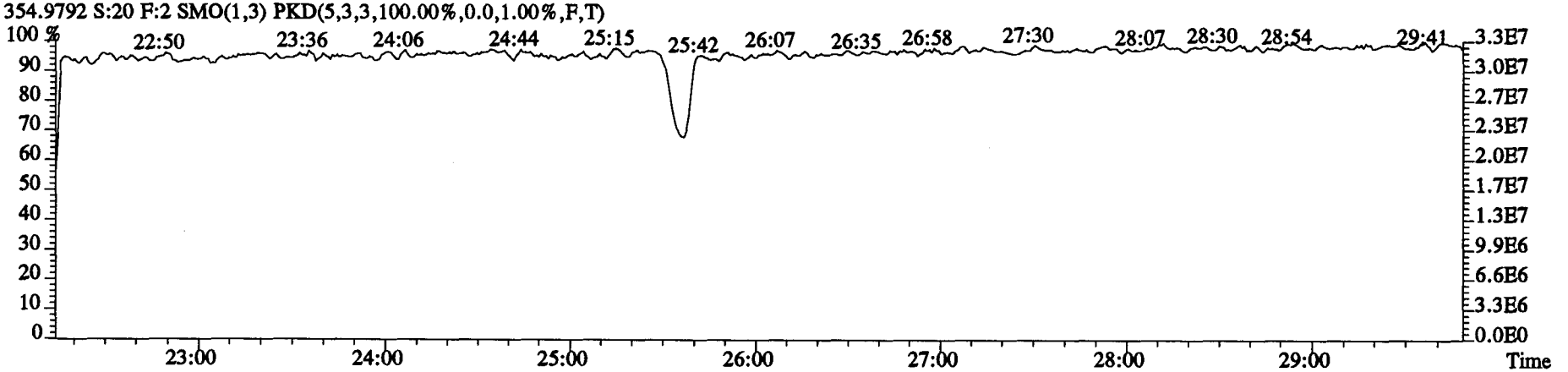
File:24AP104D5 #1-434 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1268.0,1.00%,F,T)



341.8567 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1904.0,1.00%,F,T)

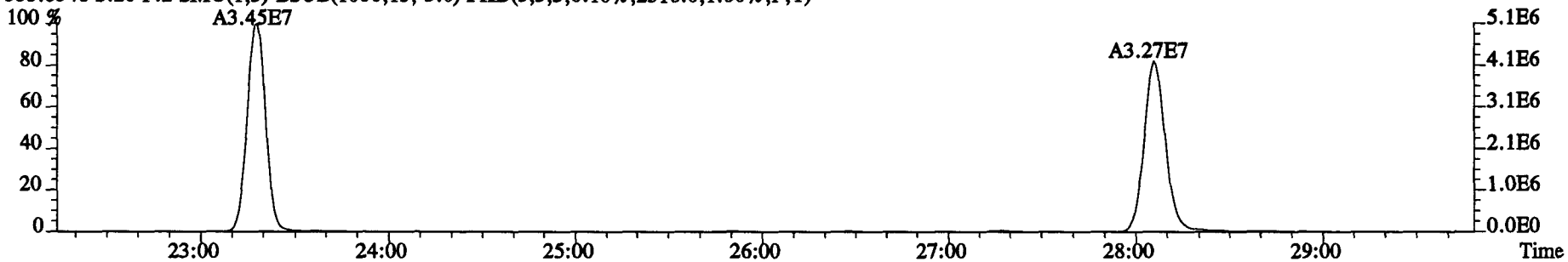


354.9792 S:20 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

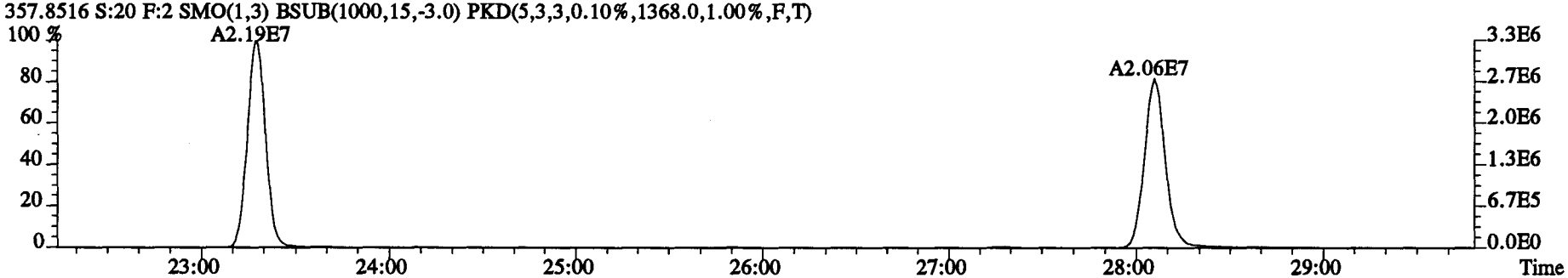


File:24AP104D5 #1-604 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

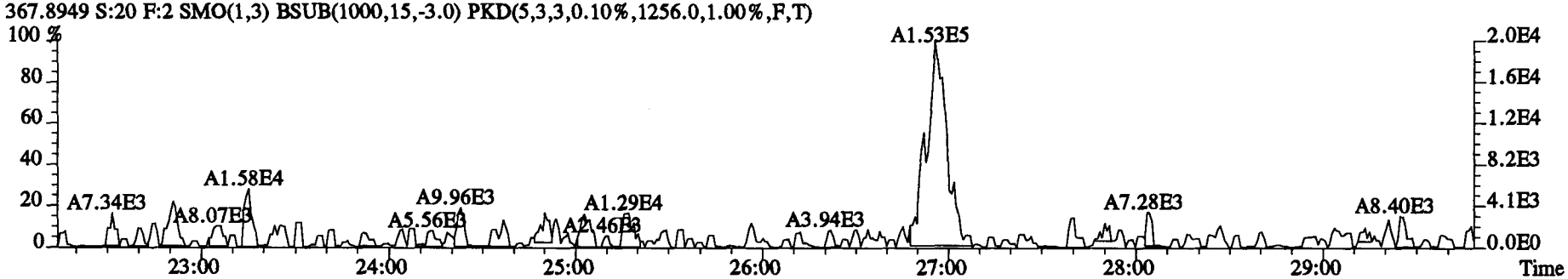
355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2516.0,1.00%,F,T)



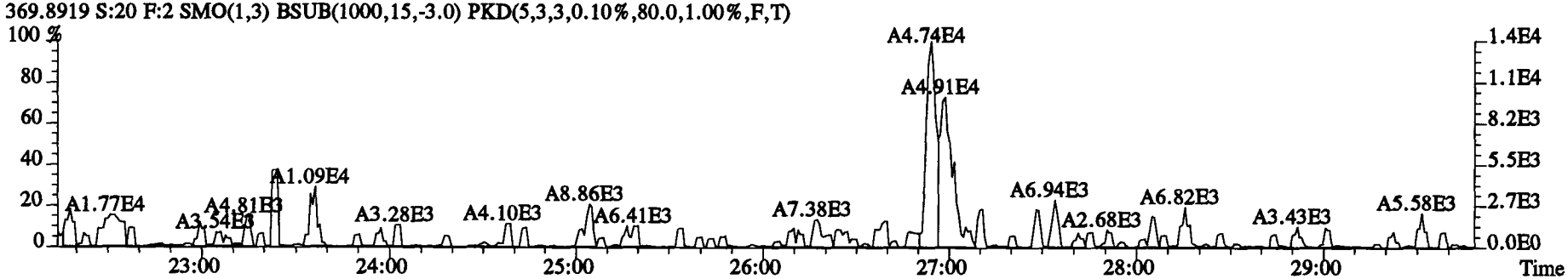
357.8516 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)



367.8949 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1256.0,1.00%,F,T)

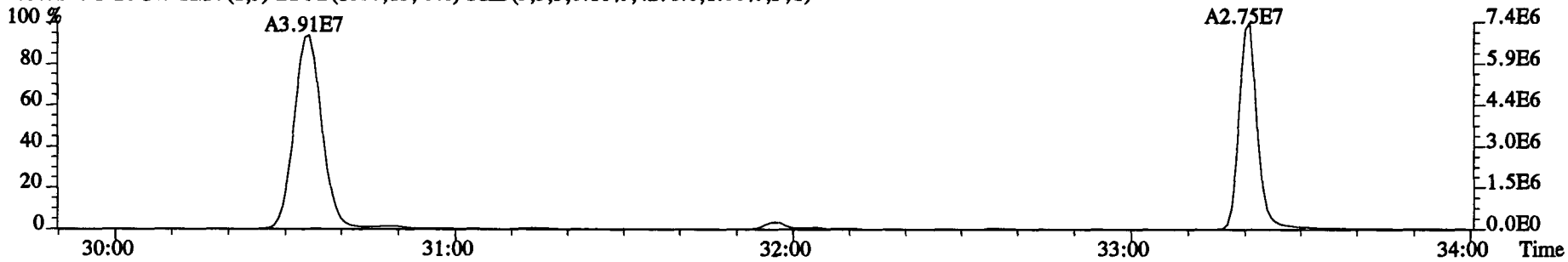


369.8919 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)

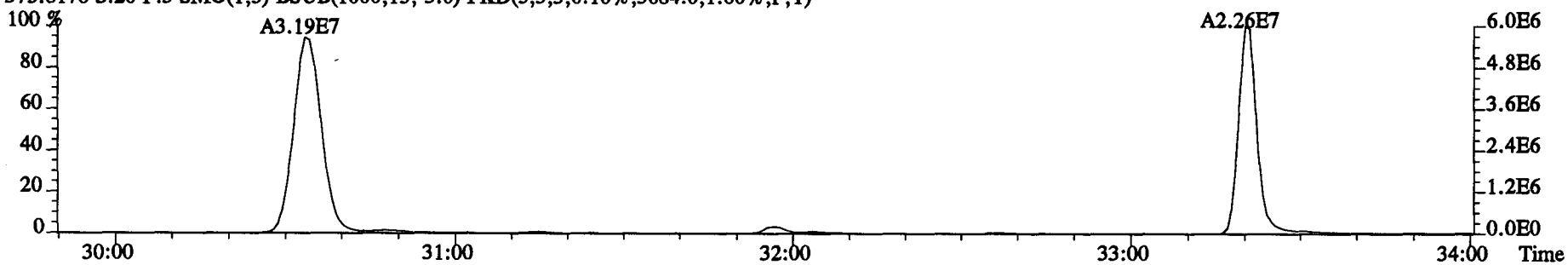


File:24AP104D5 #1-317 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

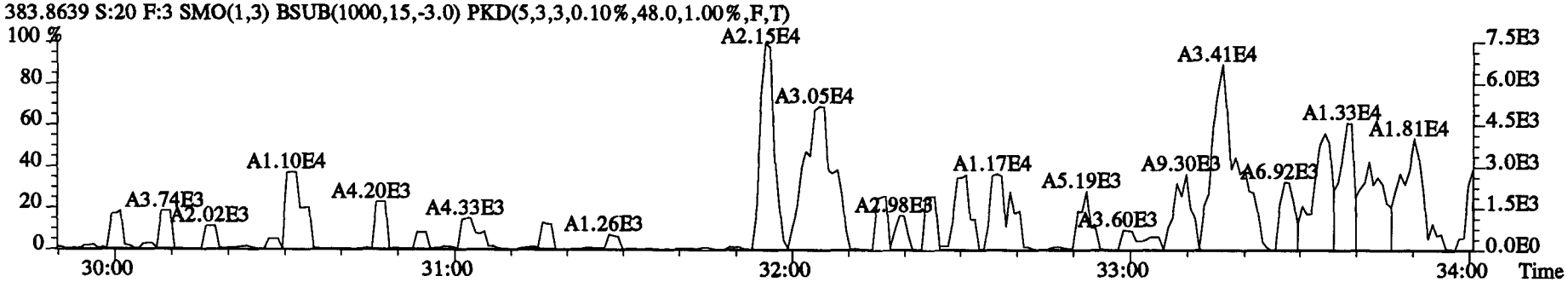
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4276.0,1.00%,F,T)



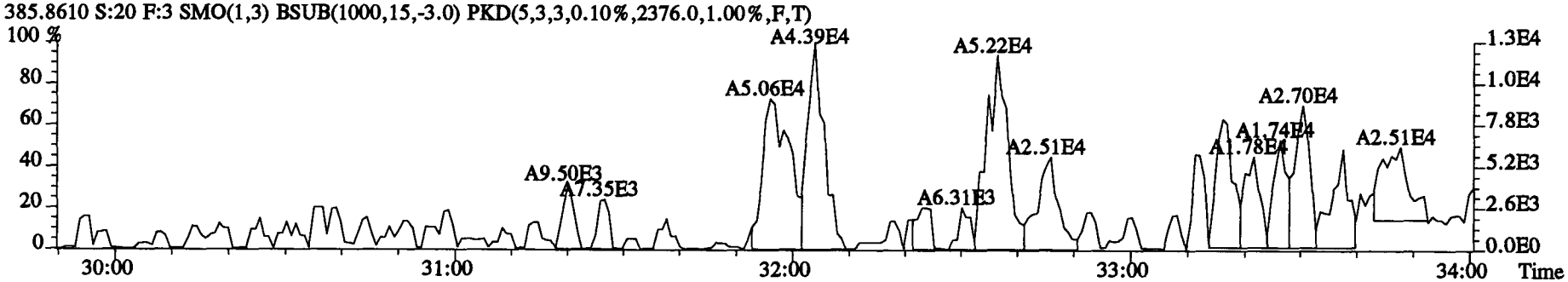
375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3684.0,1.00%,F,T)



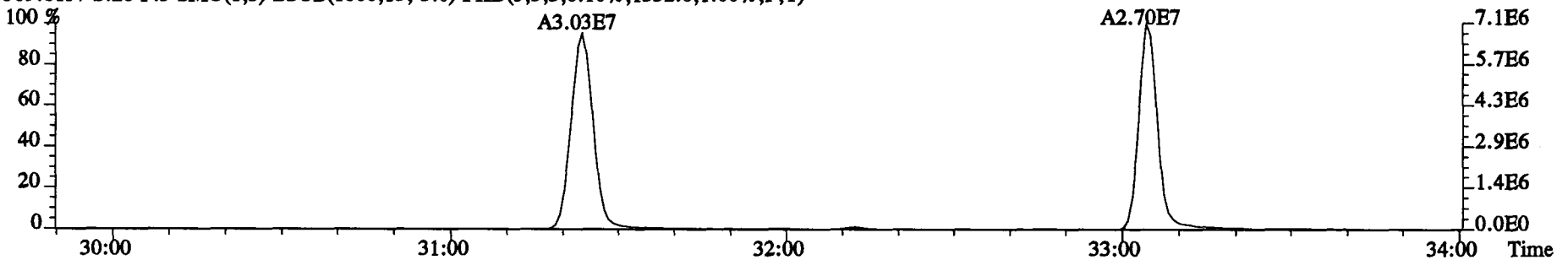
383.8639 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48.0,1.00%,F,T)



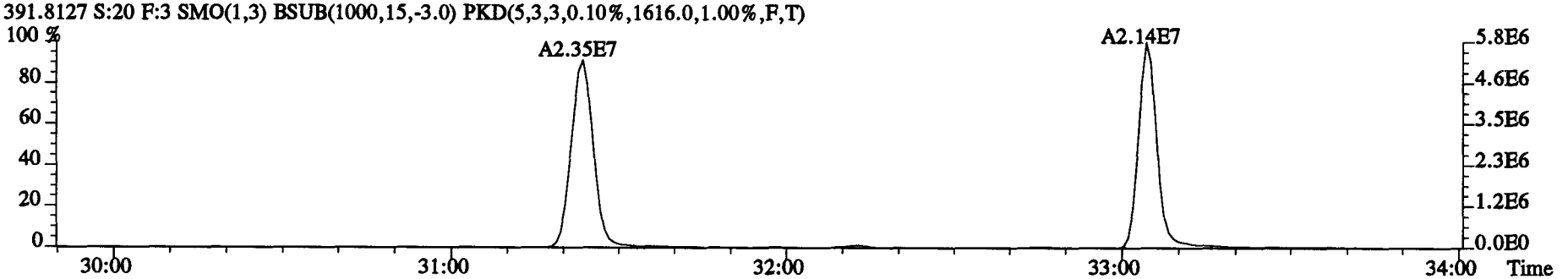
385.8610 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2376.0,1.00%,F,T)



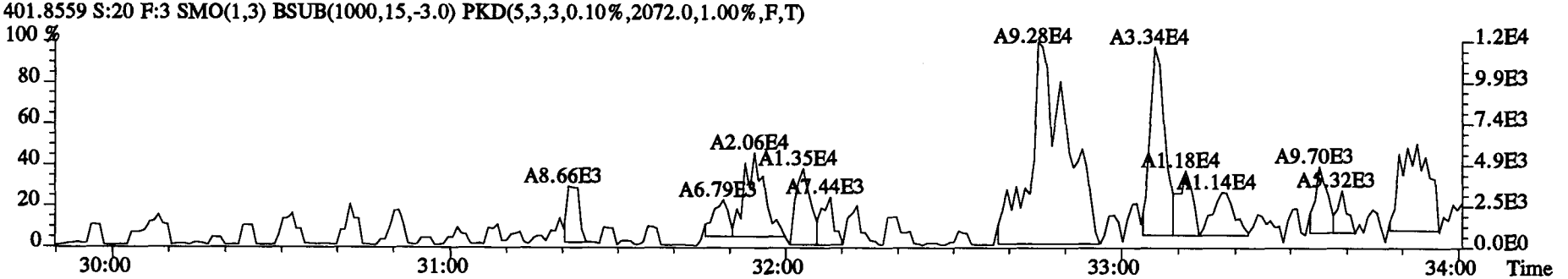
File:24AP104D5 #1-317 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
389.8157 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1332.0,1.00%,F,T)



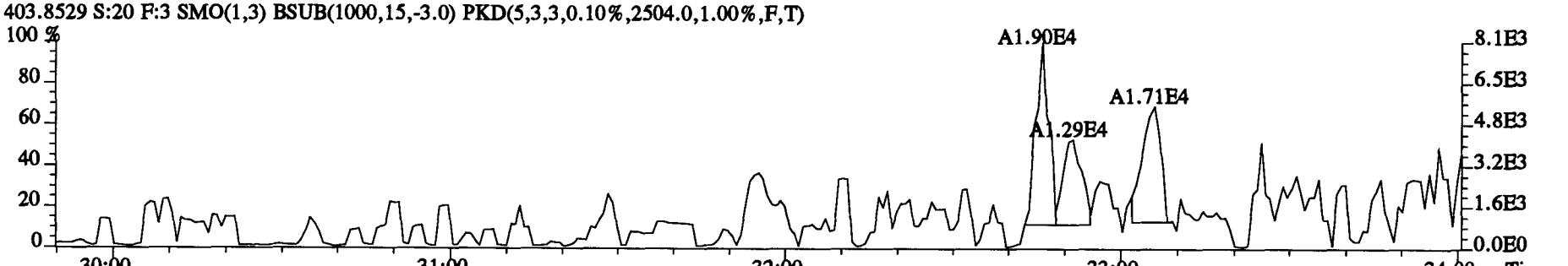
391.8127 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1616.0,1.00%,F,T)



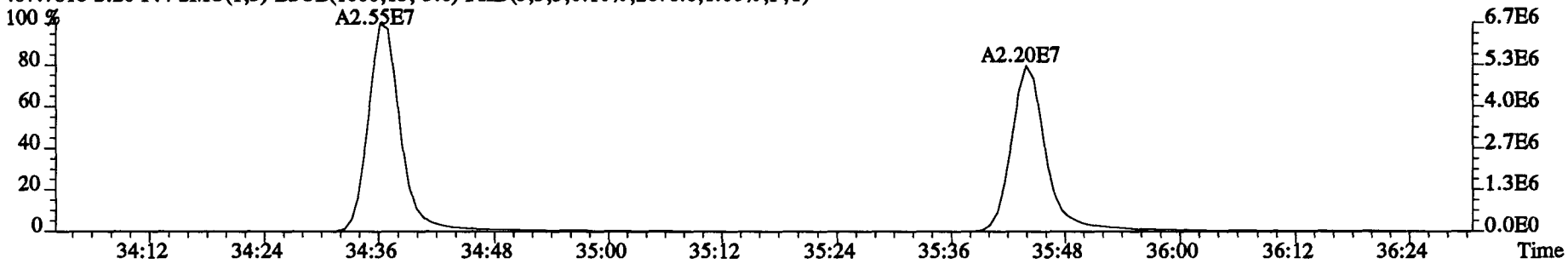
401.8559 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2072.0,1.00%,F,T)

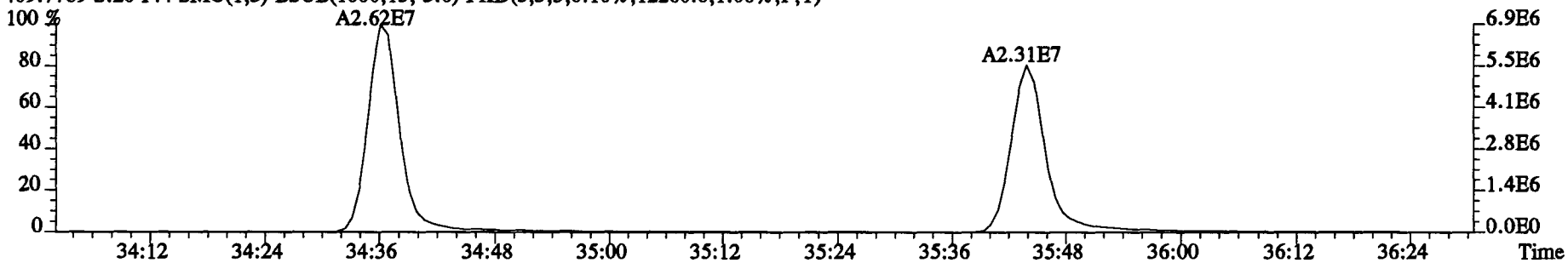


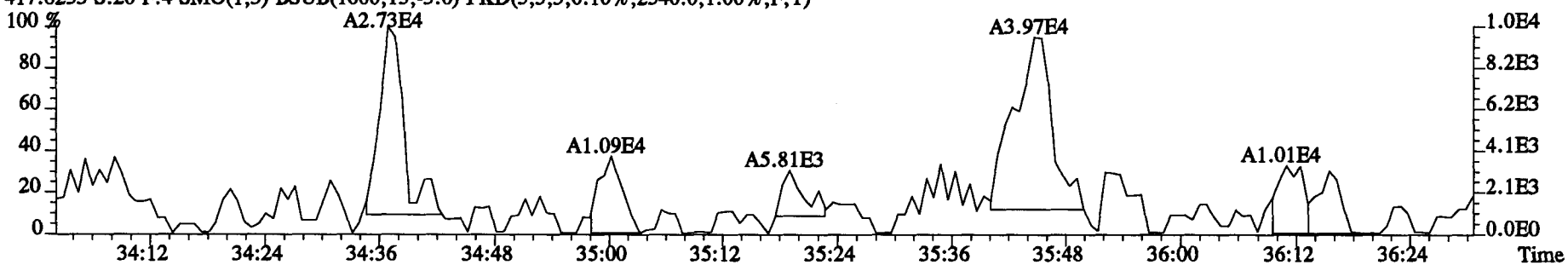
403.8529 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2504.0,1.00%,F,T)

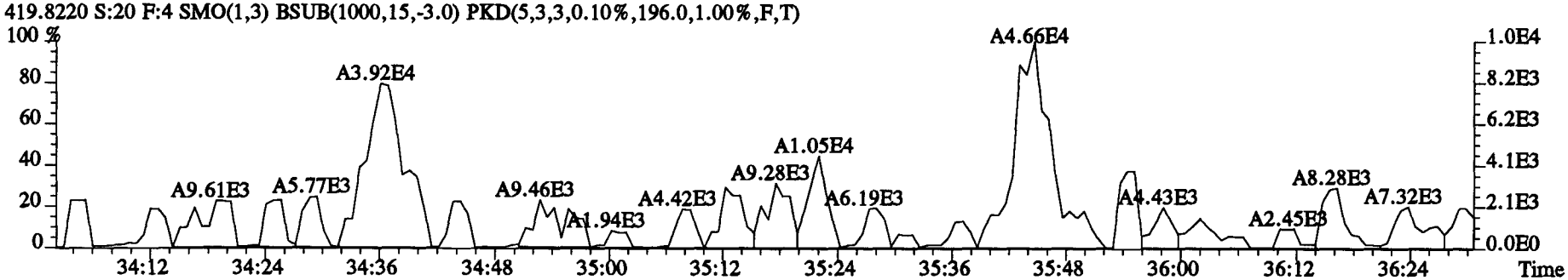


File:24AP104D5 #1-198 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

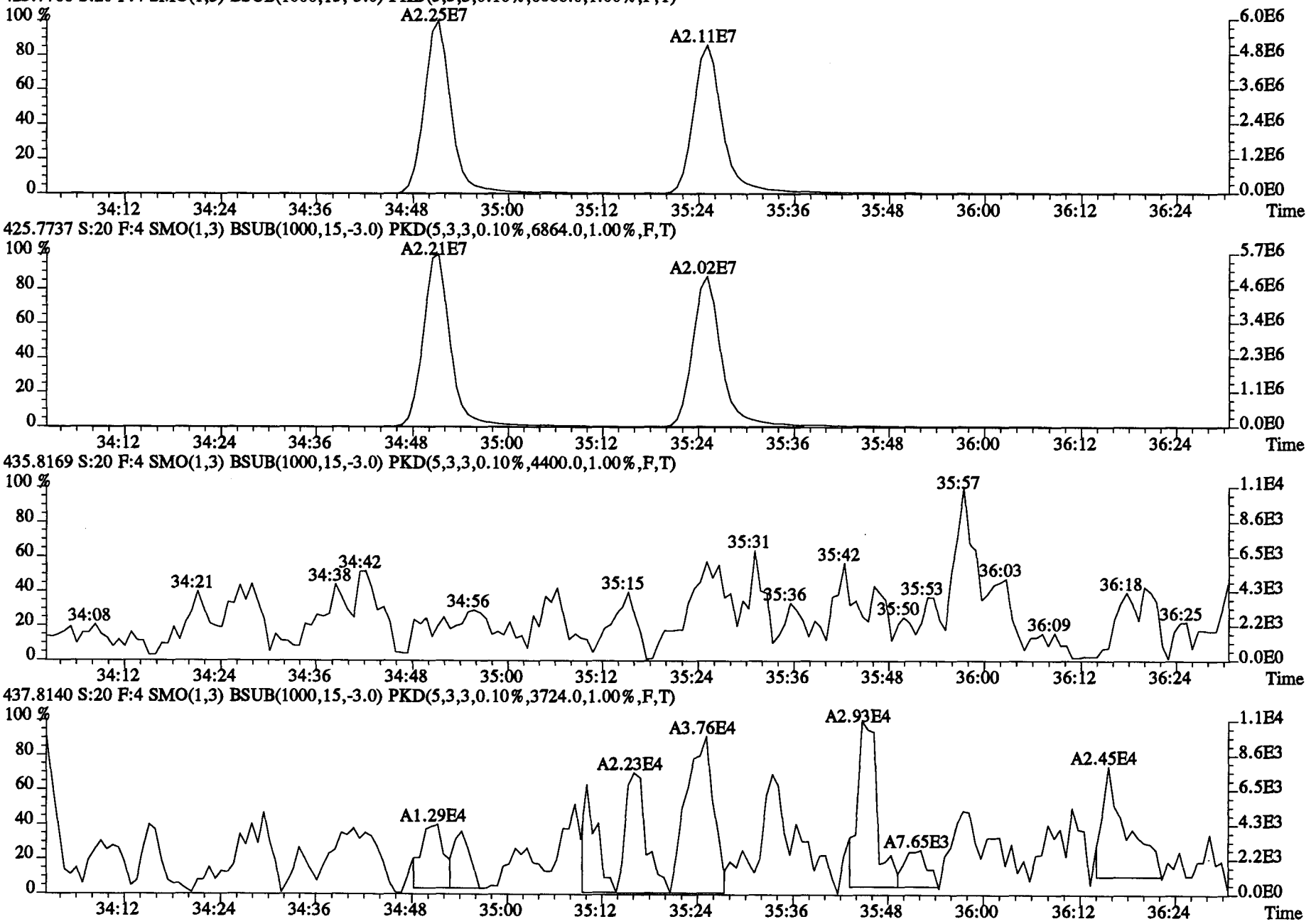




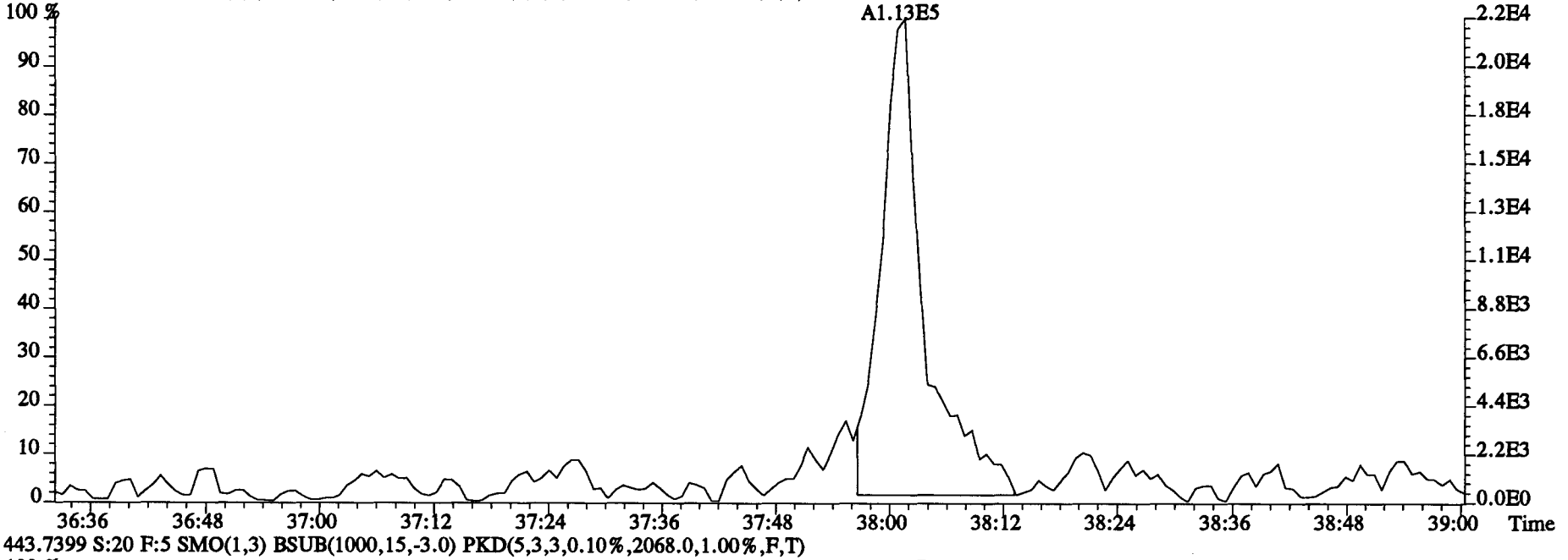




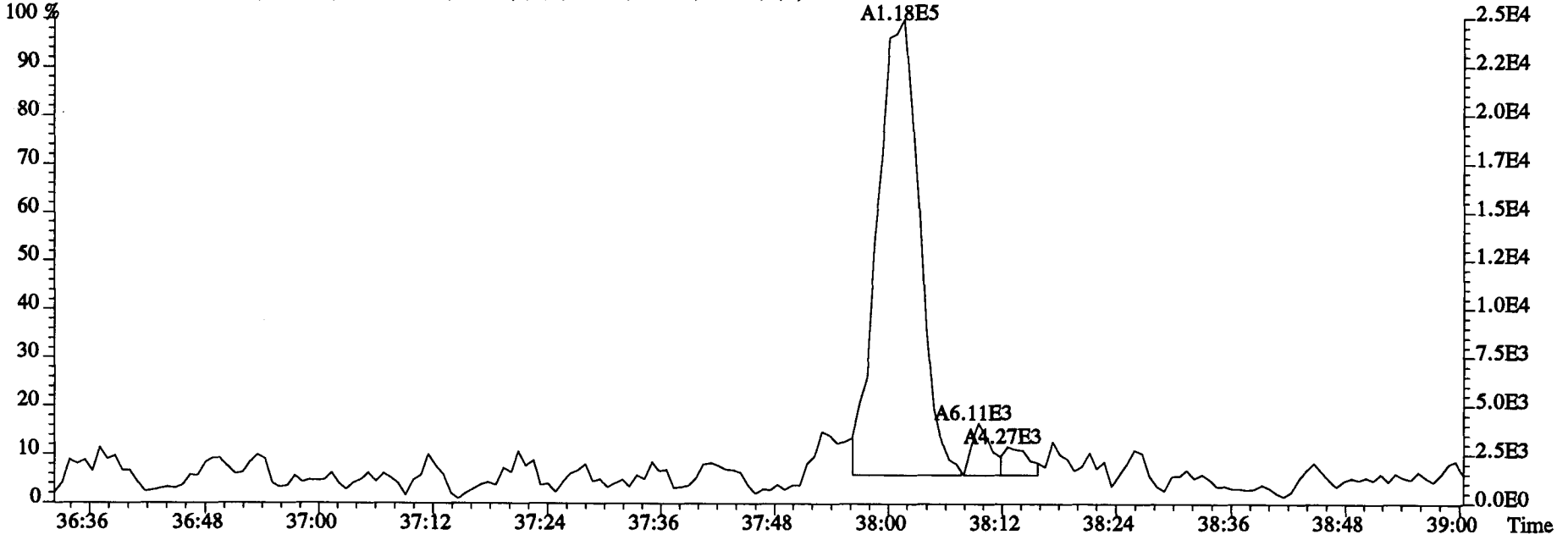
File:24AP104D5 #1-198 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



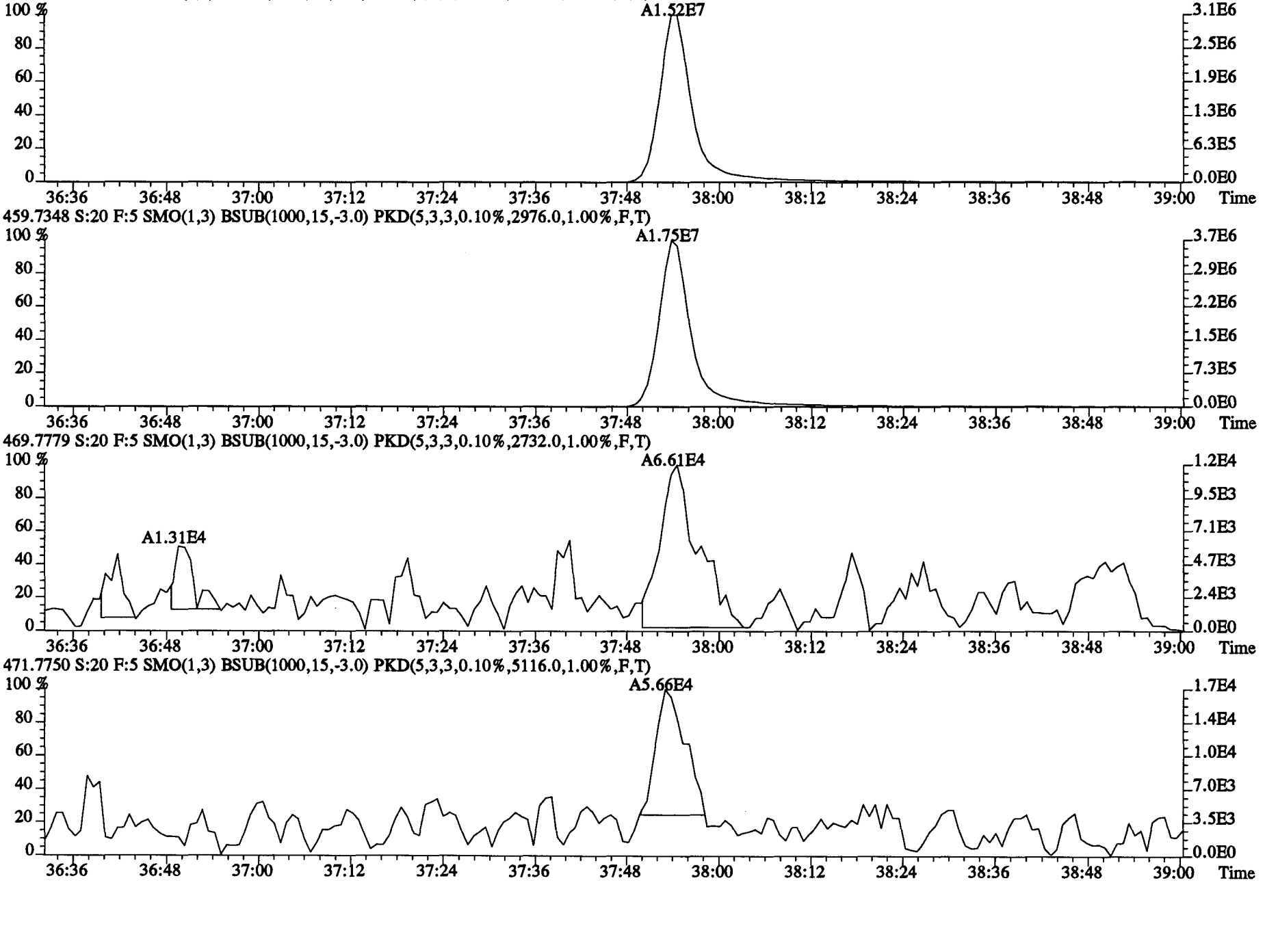
File:24AP104D5 #1-190 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)



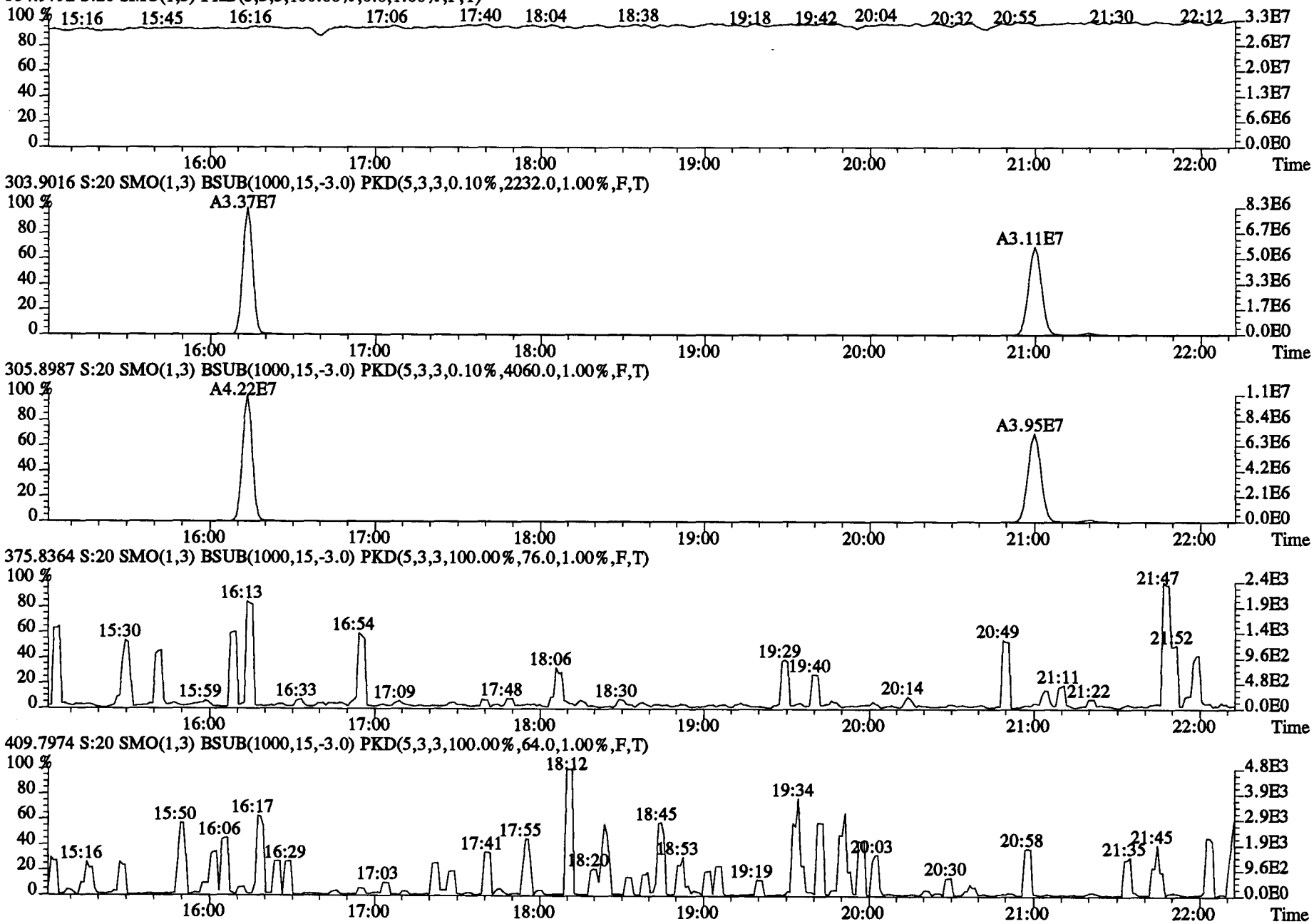
443.7399 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2068.0,1.00%,F,T)



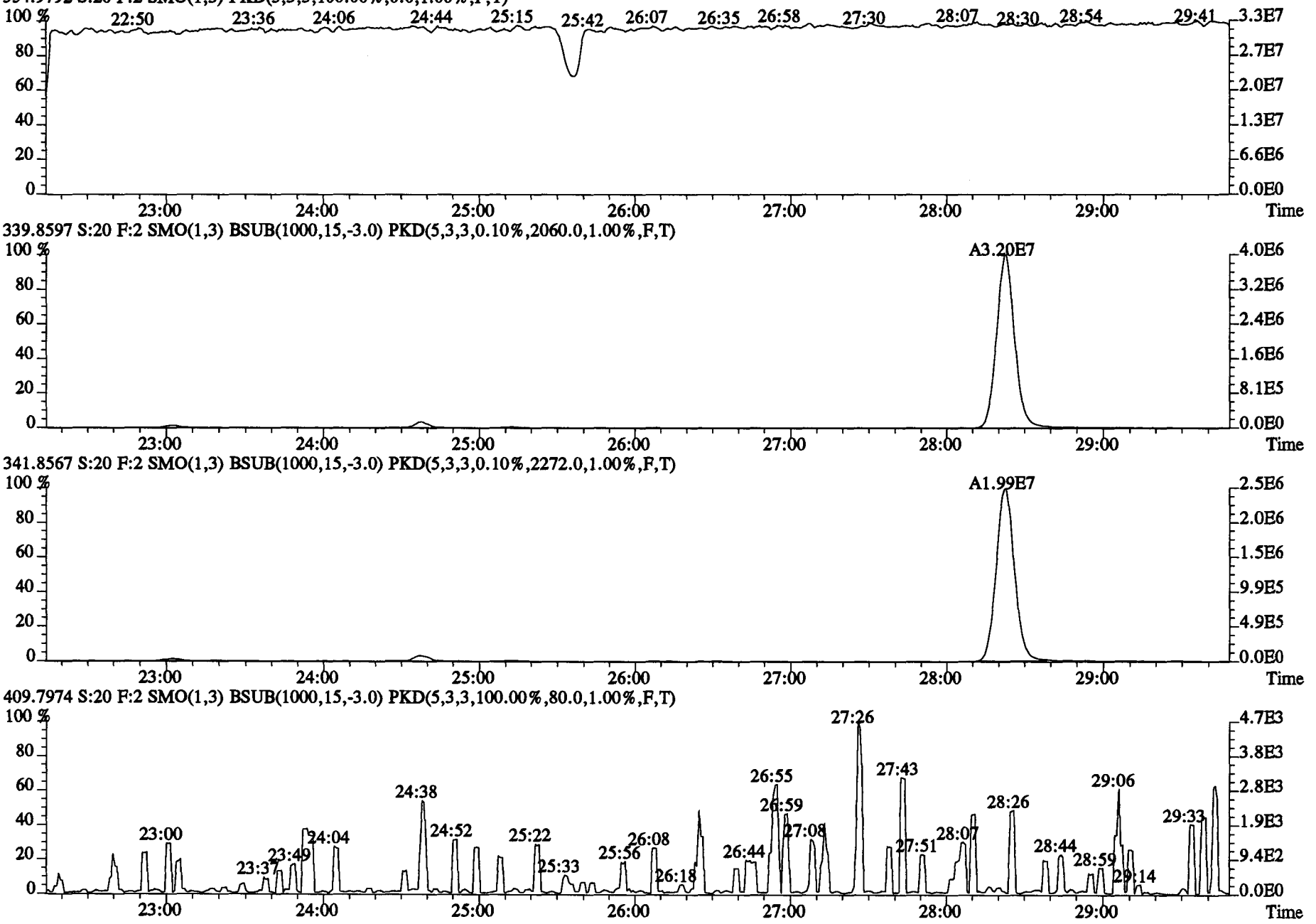
File:24AP104D5 #1-190 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



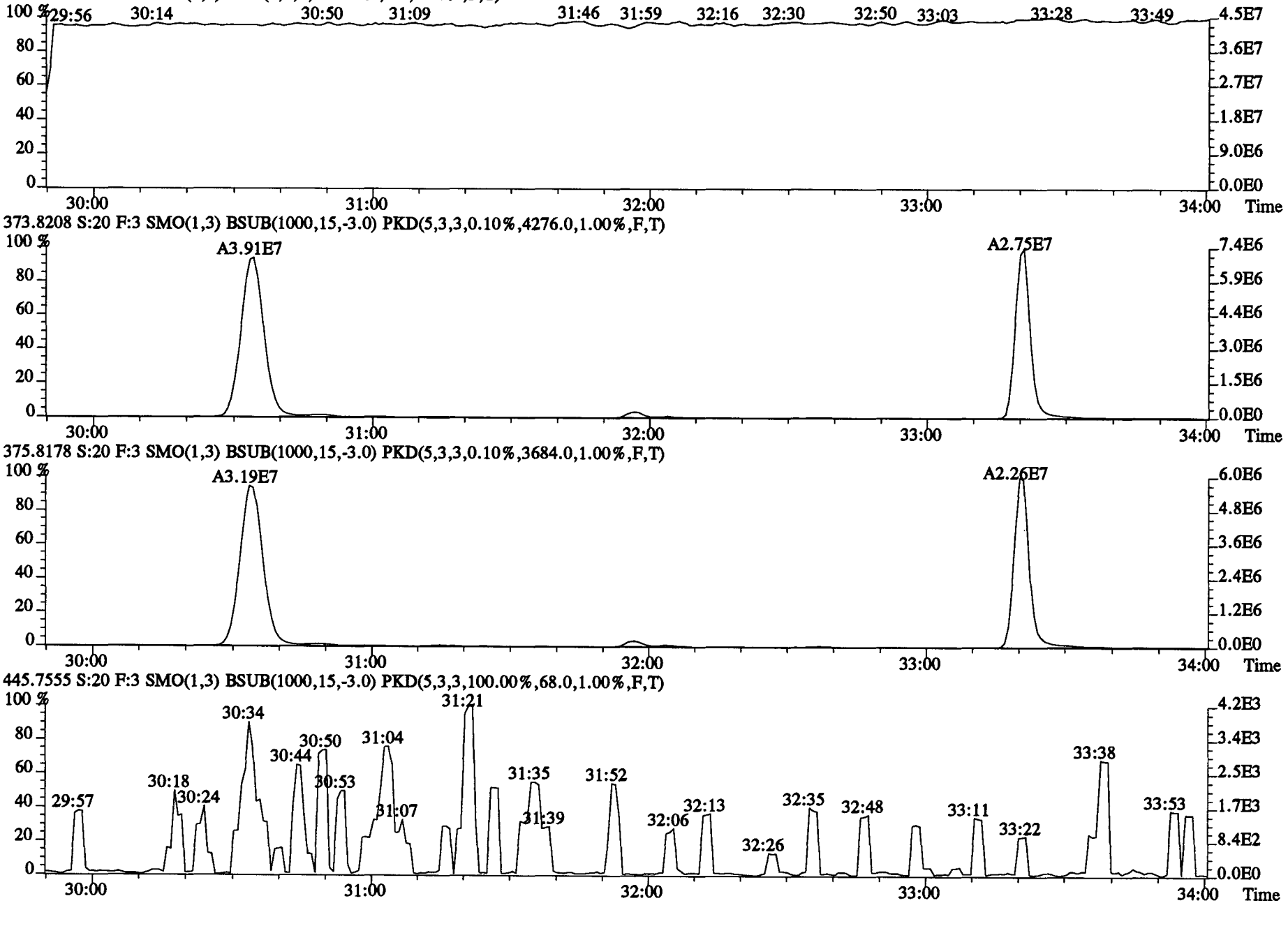
File:24AP104D5 #1-434 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A



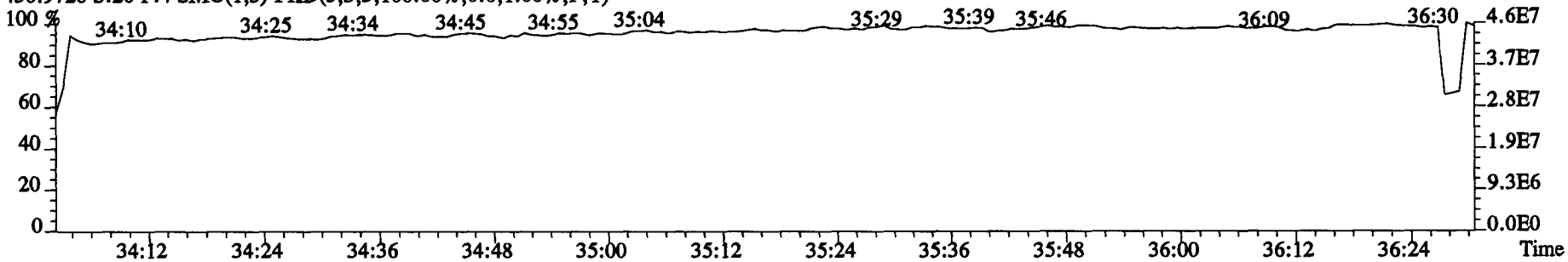
File:24AP104D5 #1-604 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

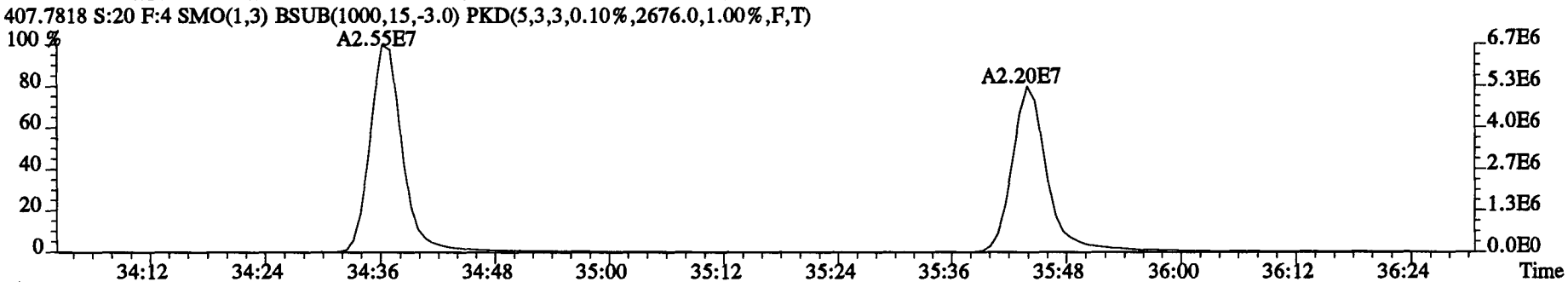


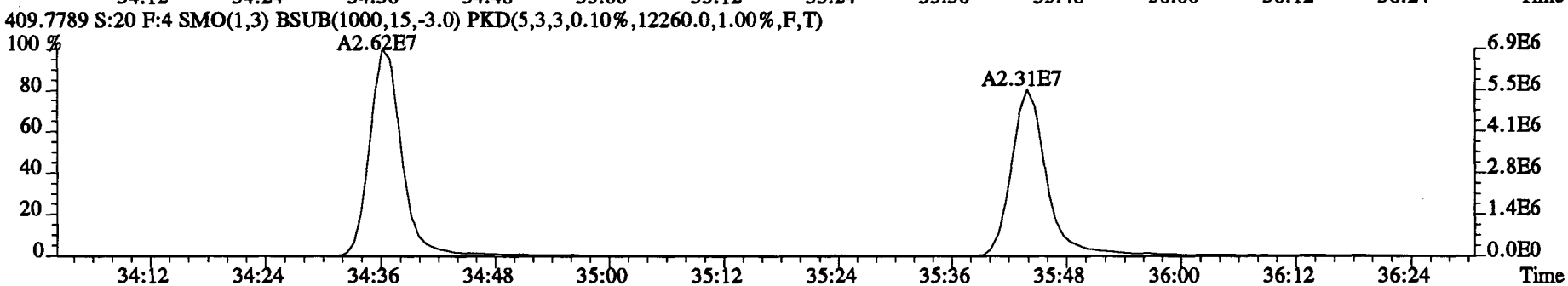
File:24AP104D5 #1-317 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

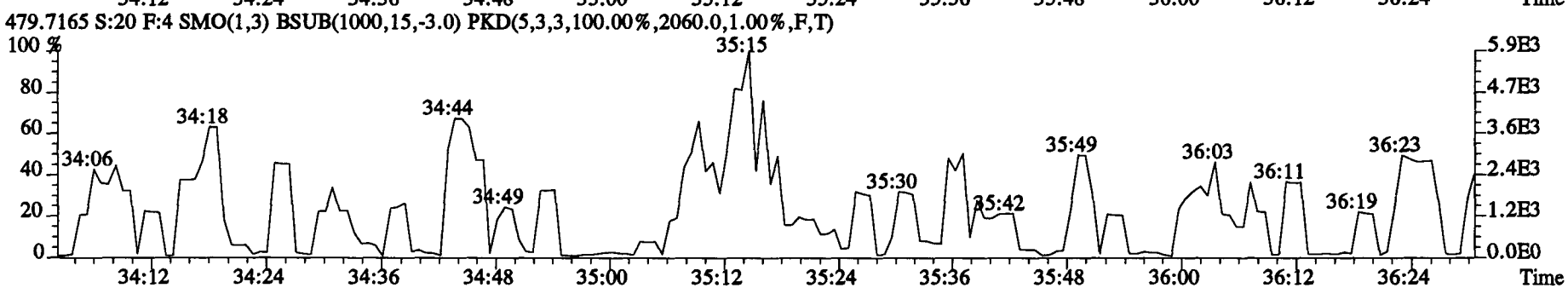


File:24AP104D5 #1-198 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

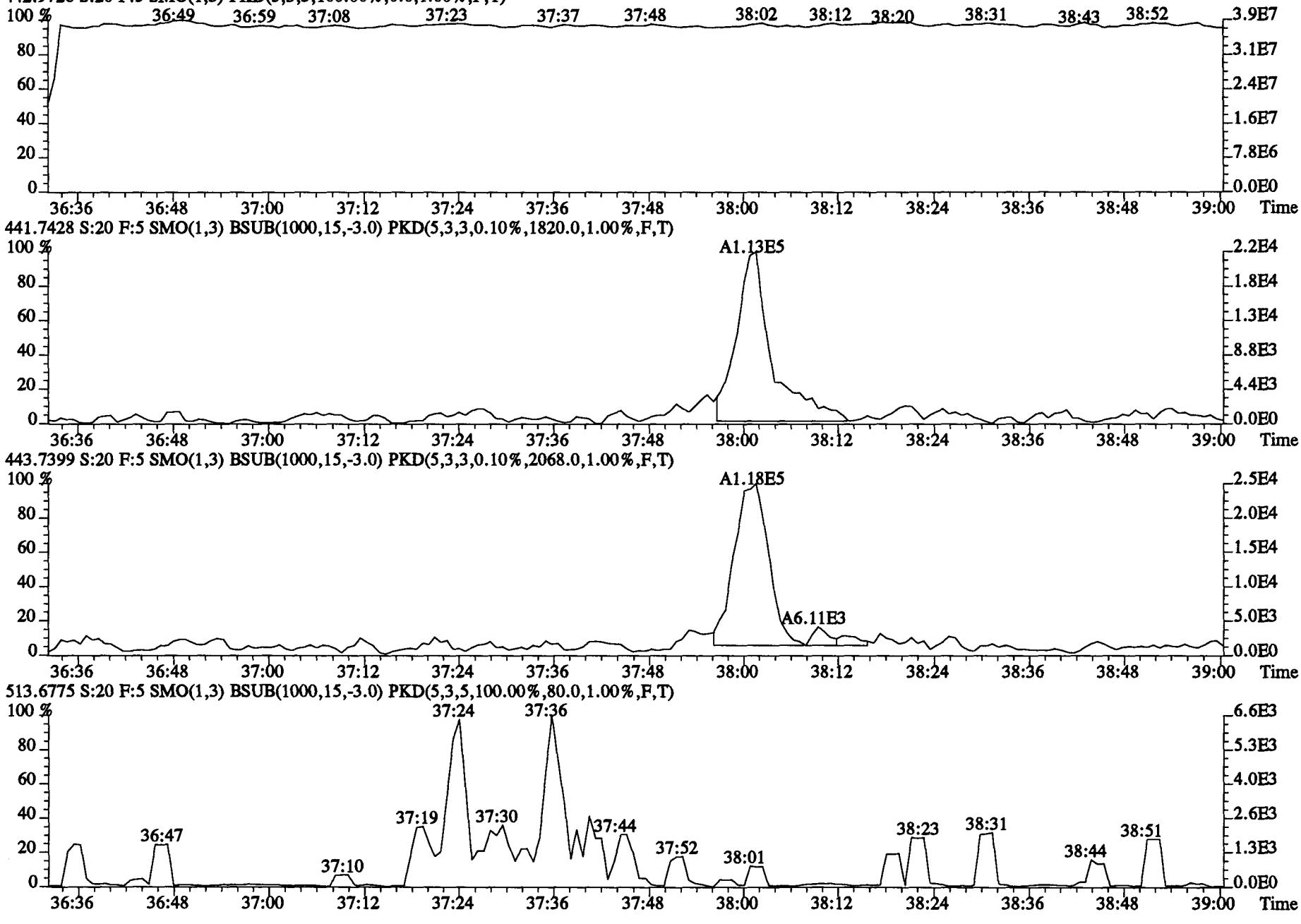




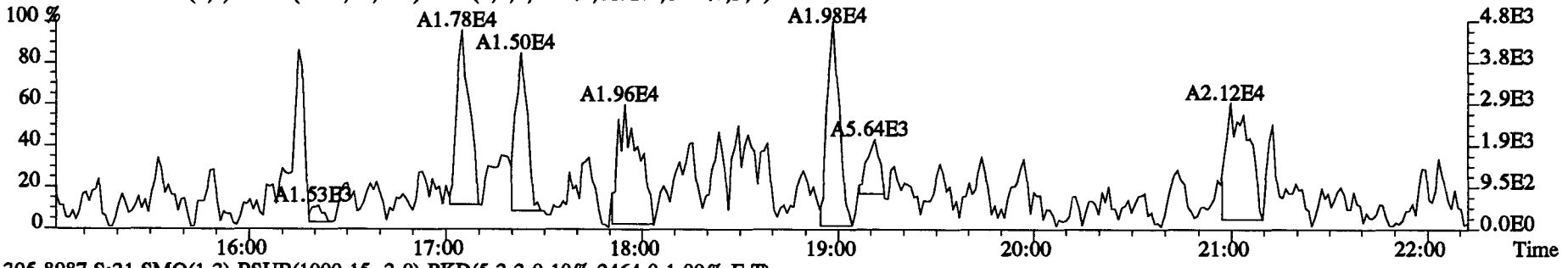


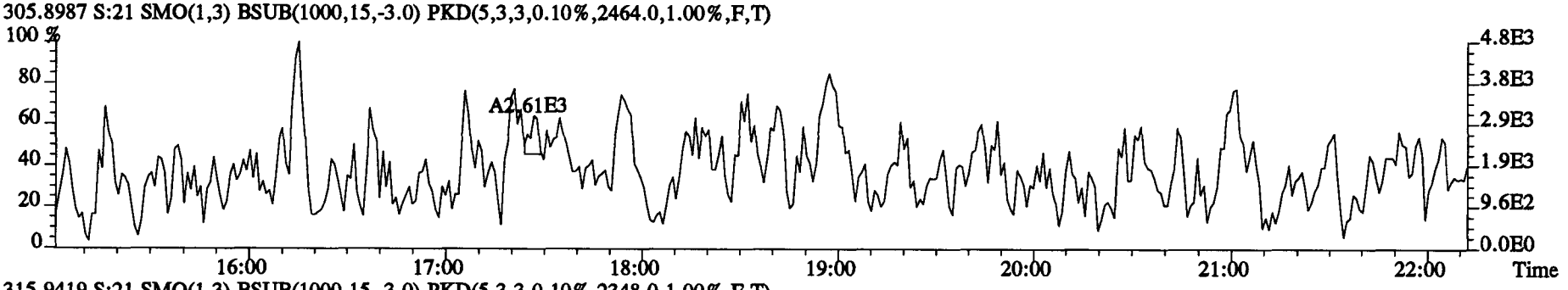


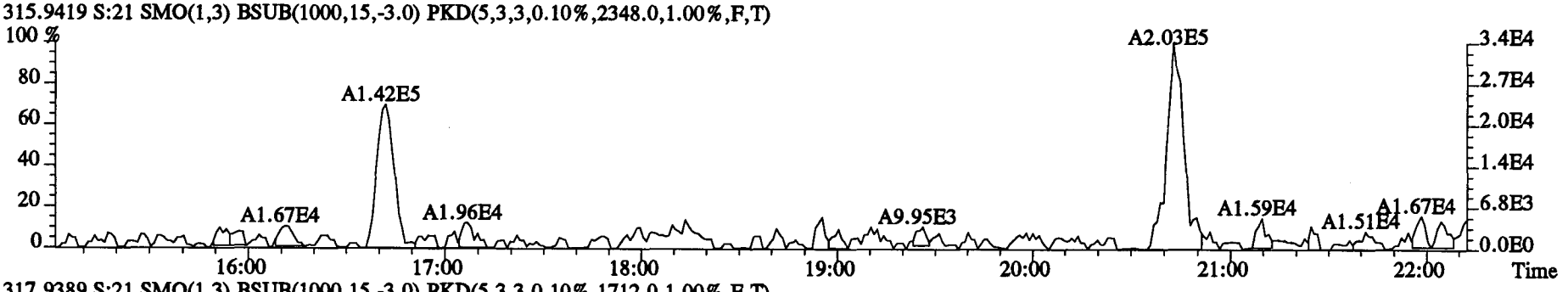
File:24AP104D5 #1-190 Acq:24-APR-2010 23:06:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:CP0424A :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

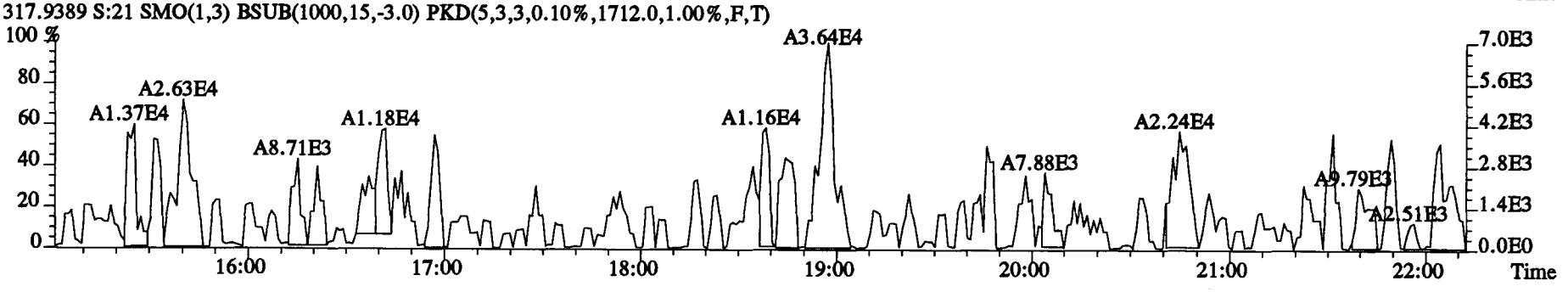


File:24AP104D5 #1-434 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

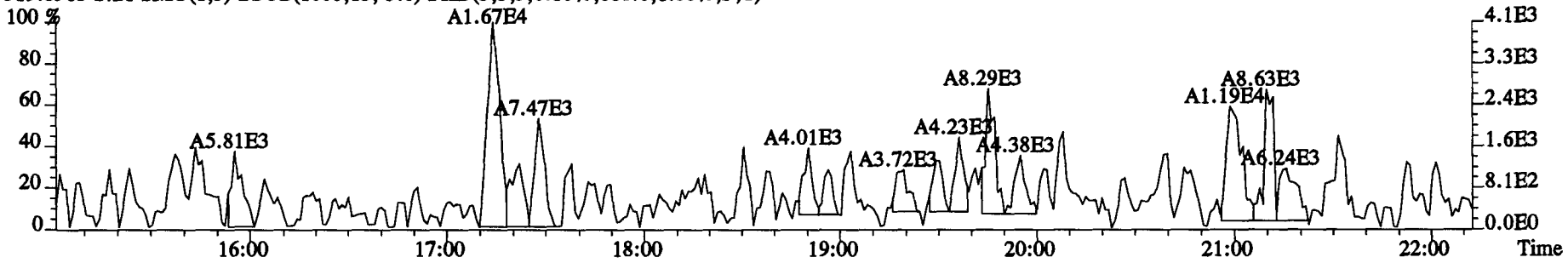




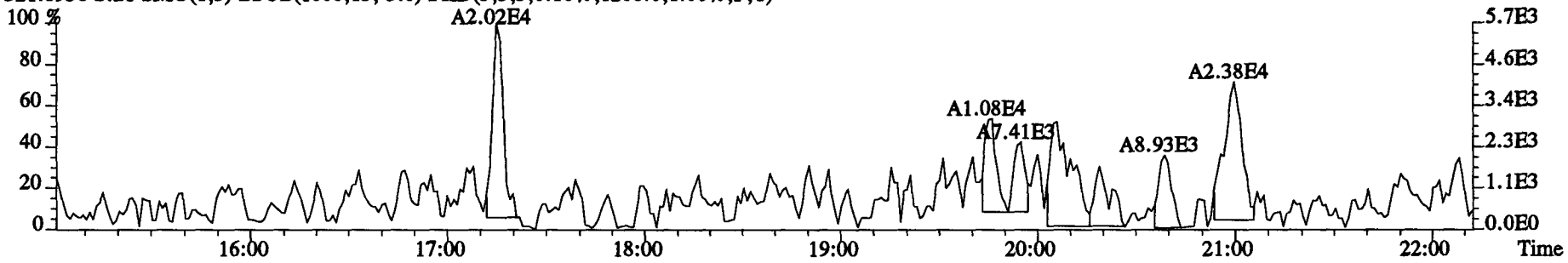




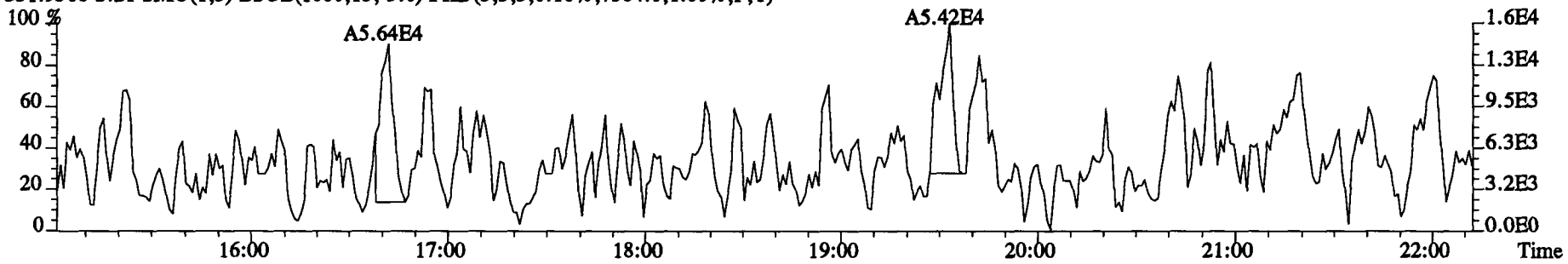
File:24AP104D5 #1-434 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A
319.8965 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,888.0,1.00%,F,T)



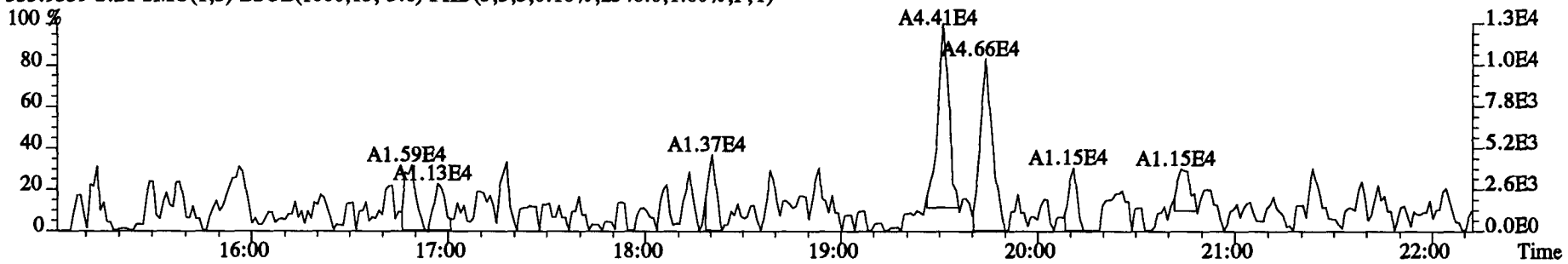
321.8936 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1200.0,1.00%,F,T)



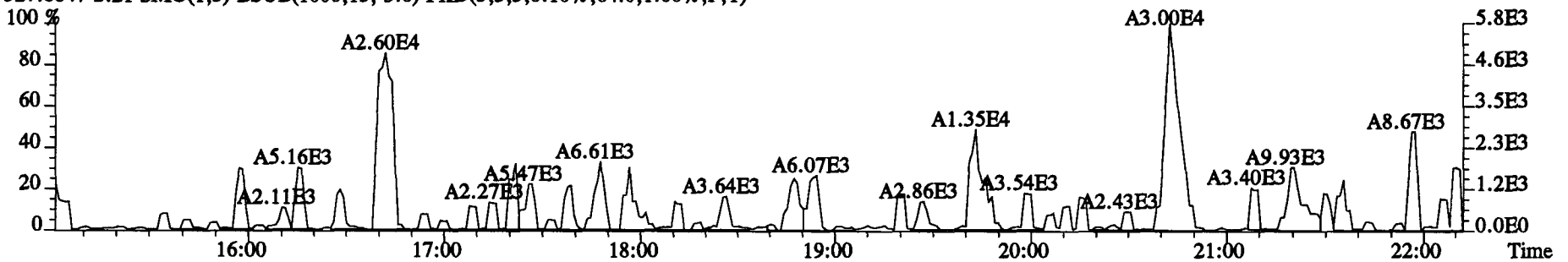
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7584.0,1.00%,F,T)



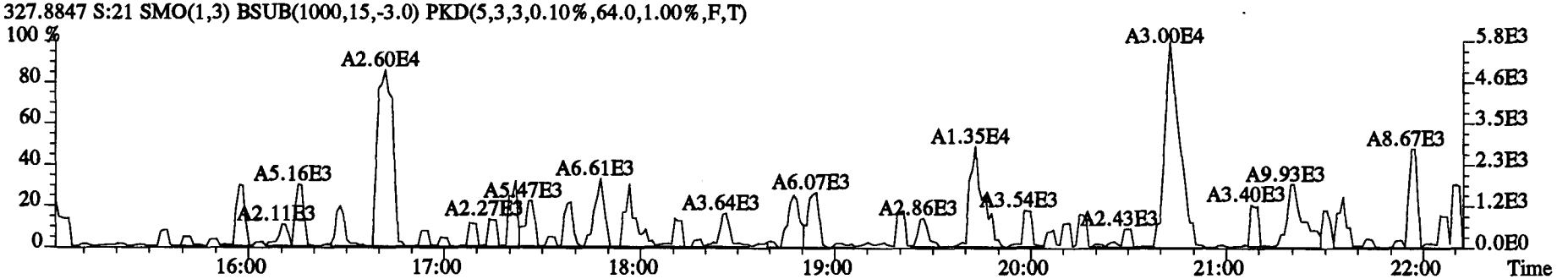
333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2348.0,1.00%,F,T)



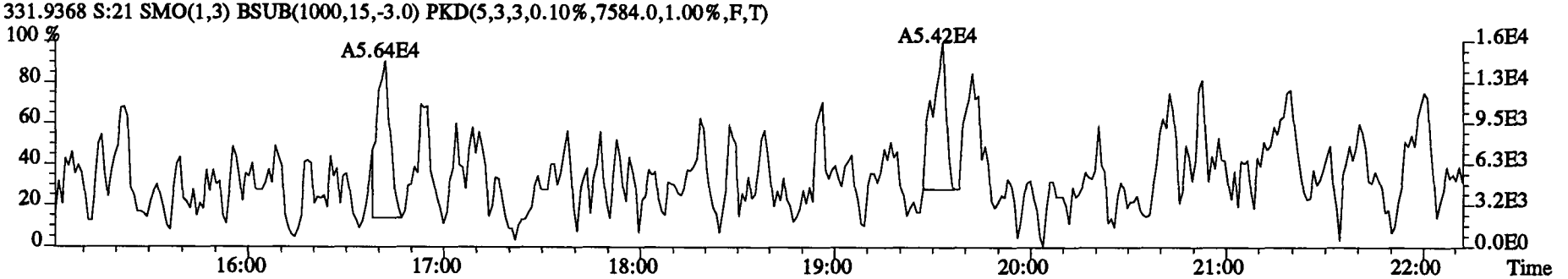
File:24AP104D5 #1-434 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A
327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



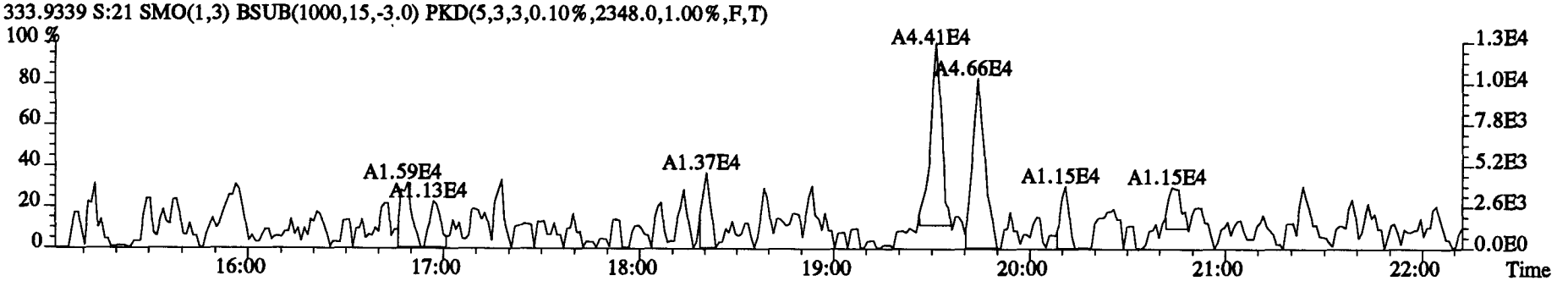
327.8847 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



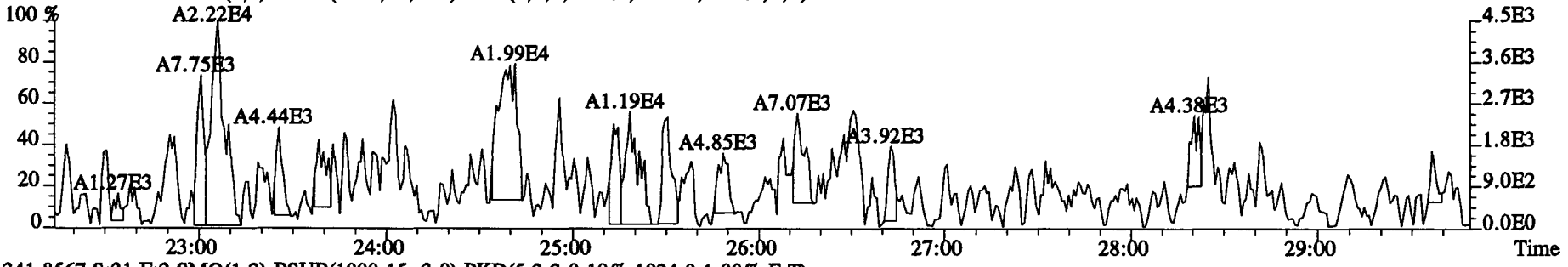
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7584.0,1.00%,F,T)



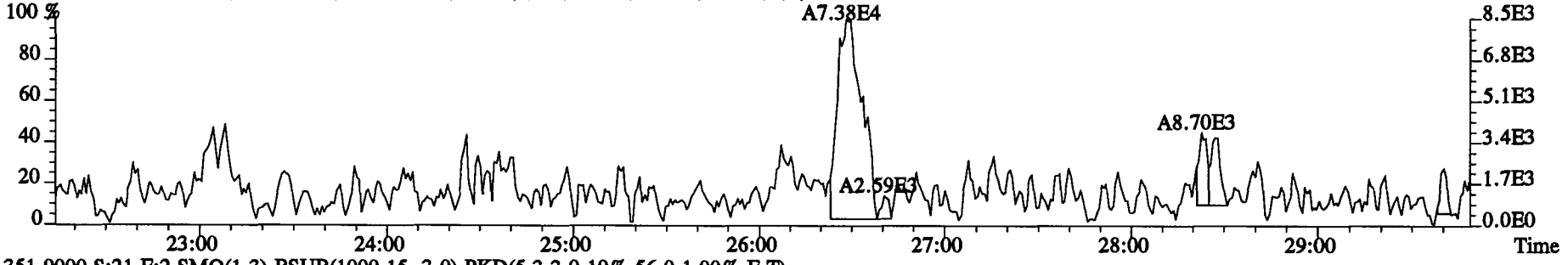
333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2348.0,1.00%,F,T)



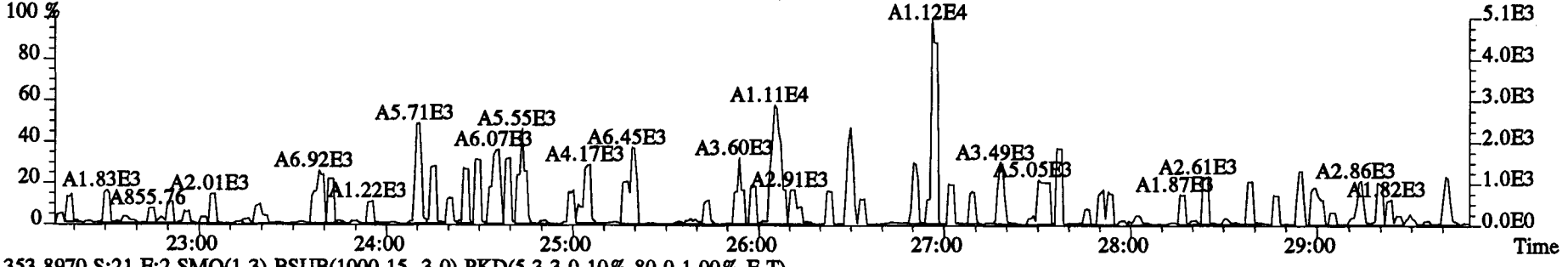
File:24AP104D5 #1-605 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



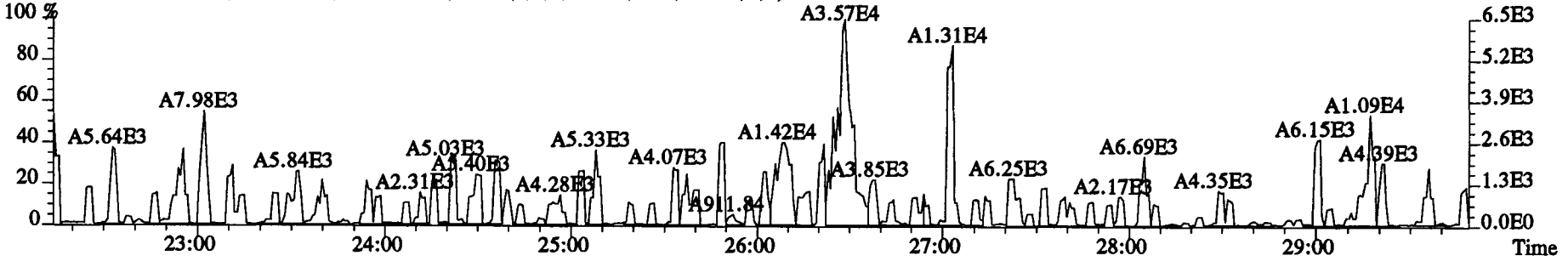
341.8567 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1924.0,1.00%,F,T)



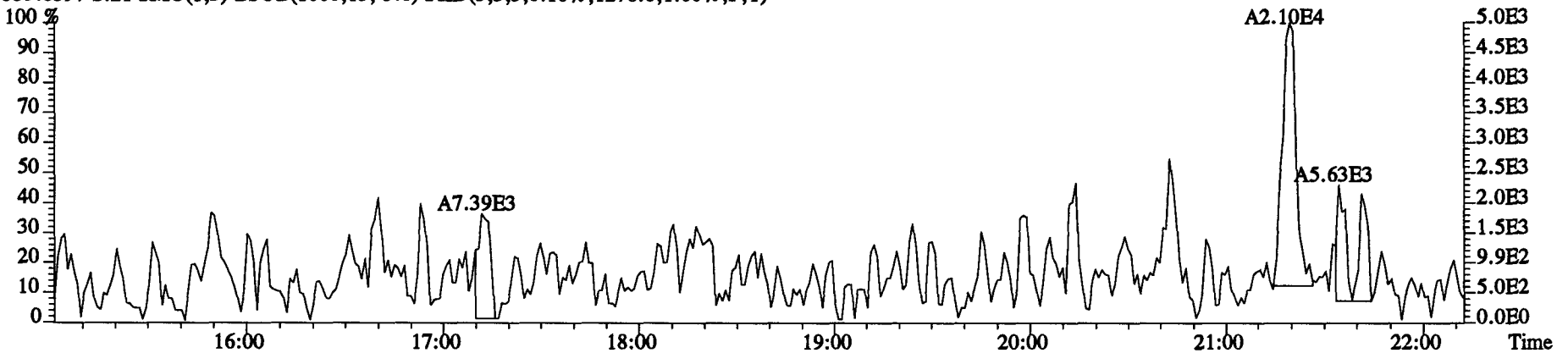
351.9000 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



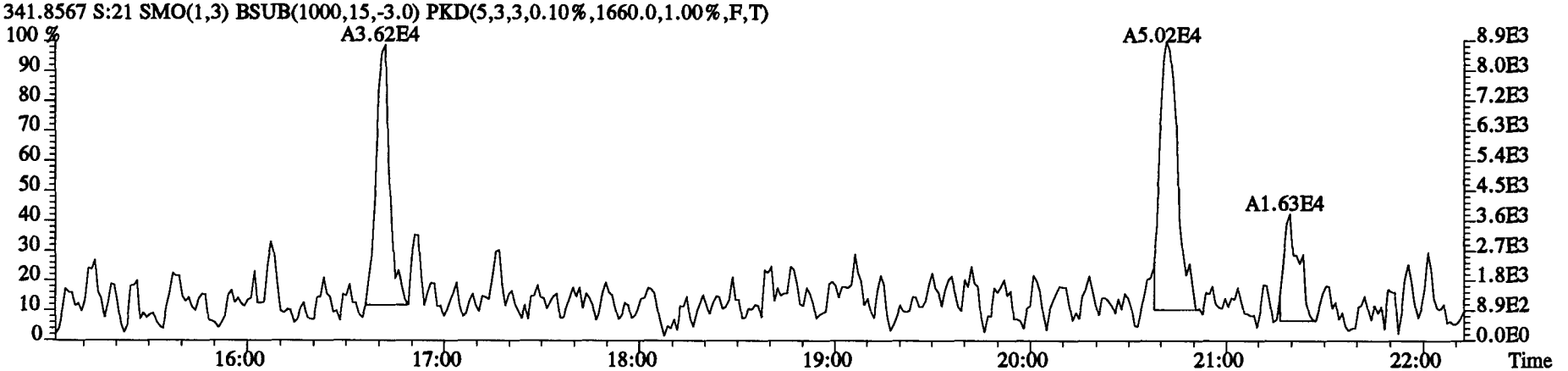
353.8970 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



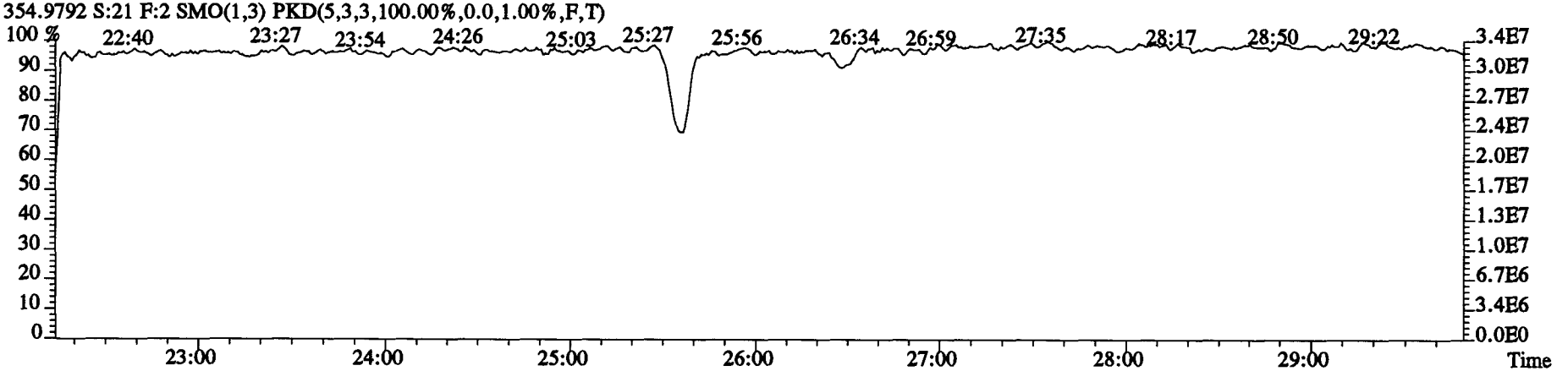
File:24AP104D5 #1-434 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A
339.8597 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



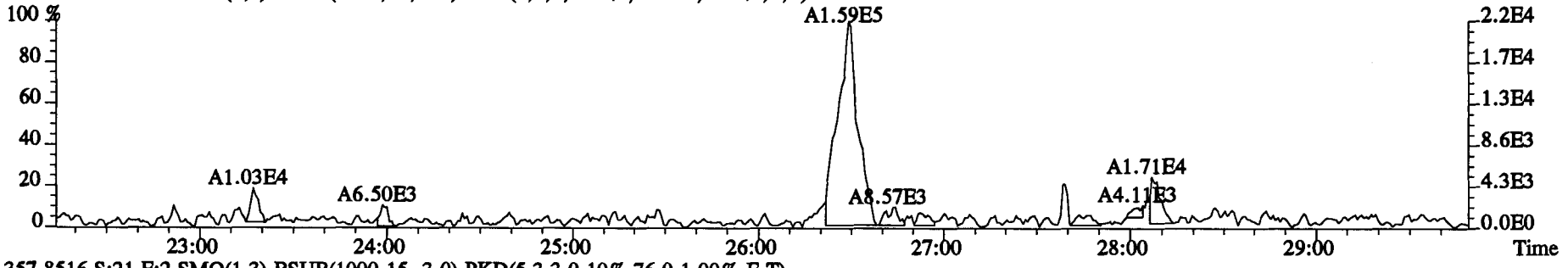
341.8567 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)

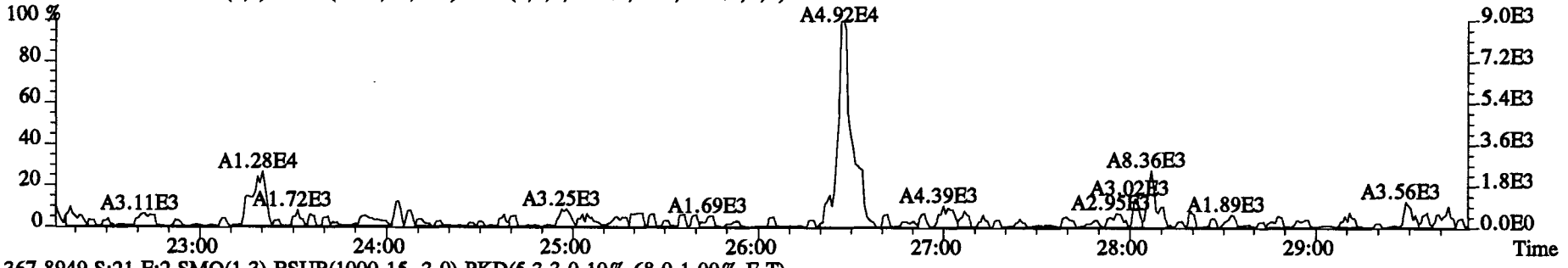


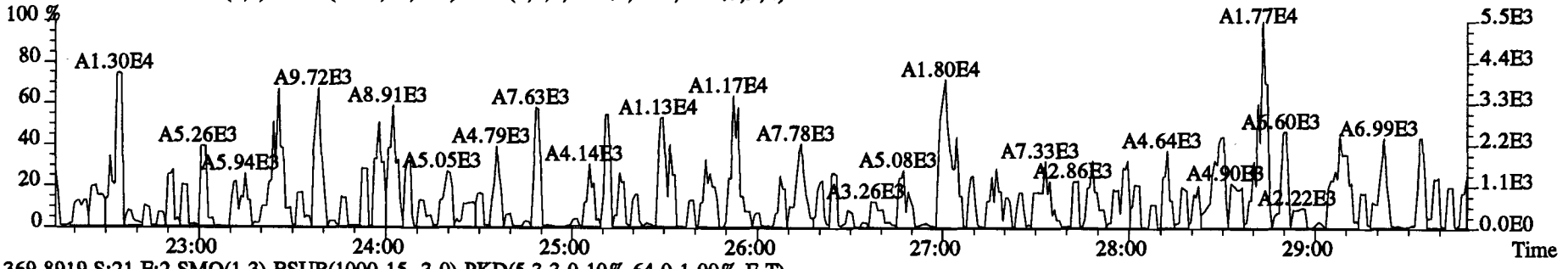
354.9792 S:21 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

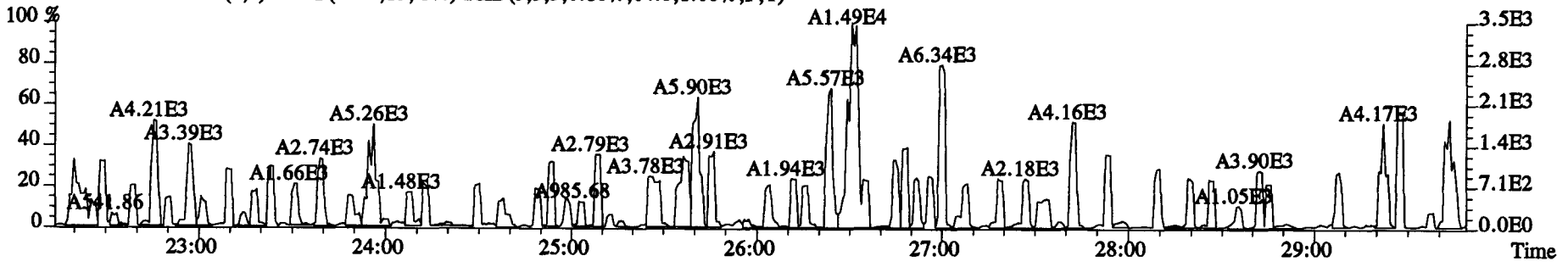


File:24AP104D5 #1-605 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

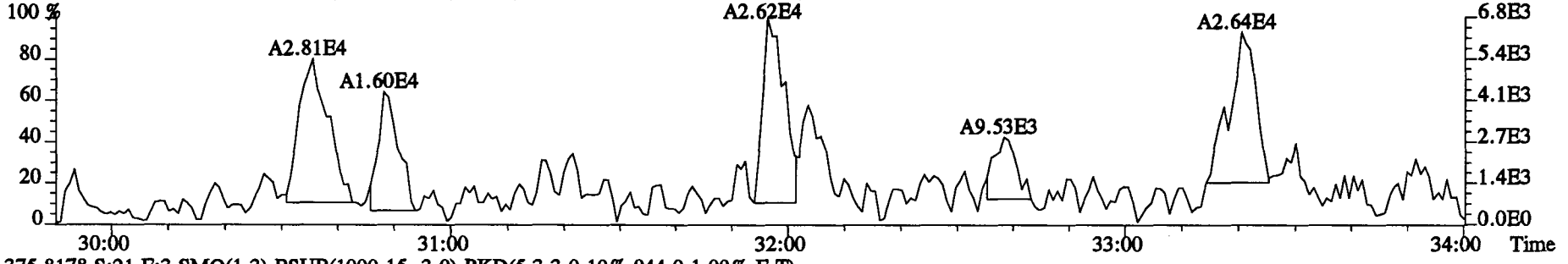


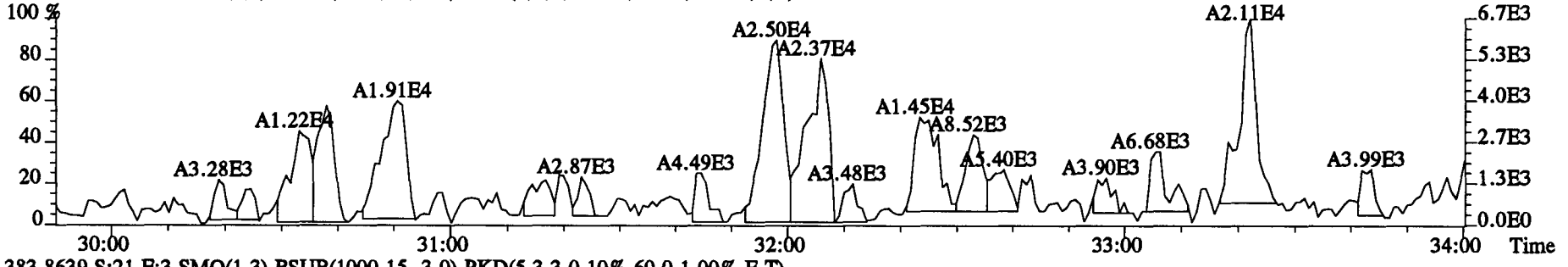


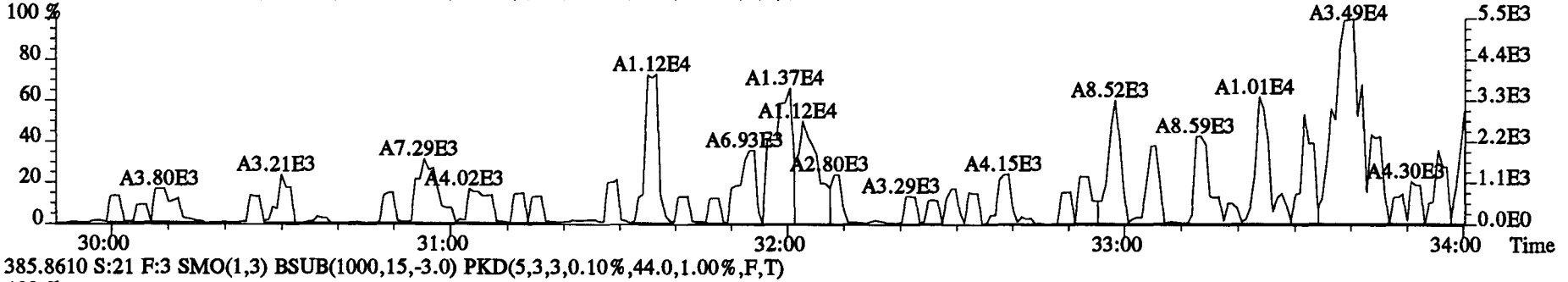


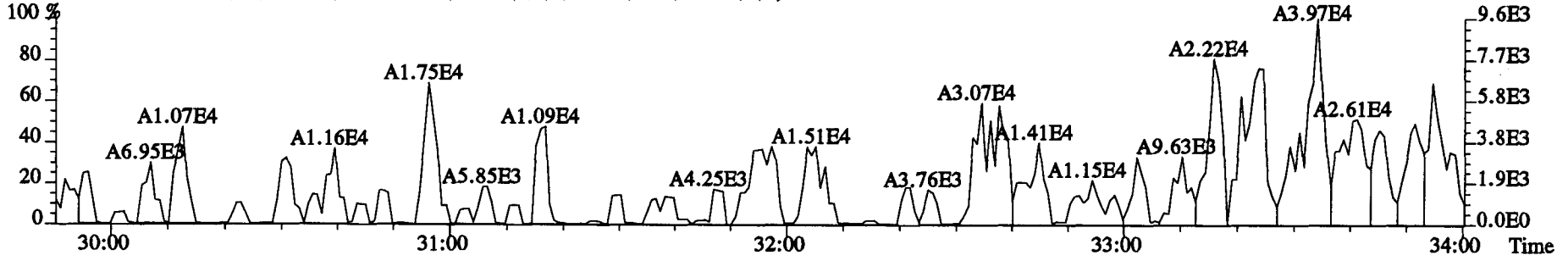


File:24AP104D5 #1-316 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

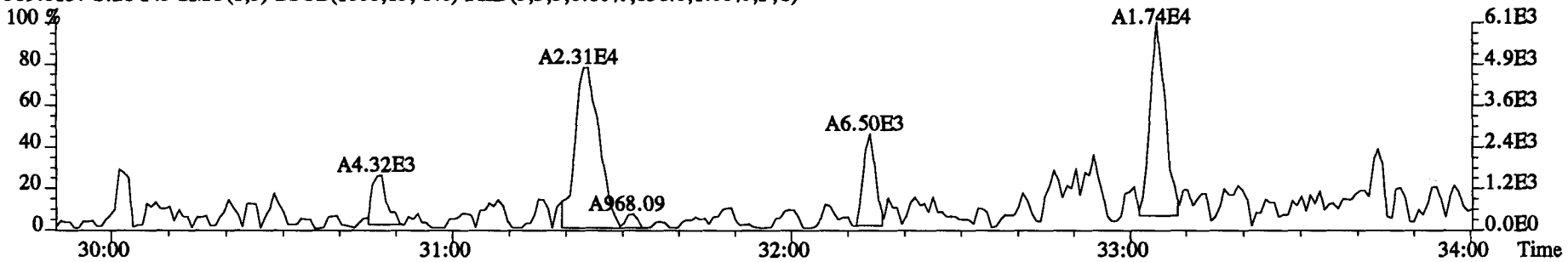


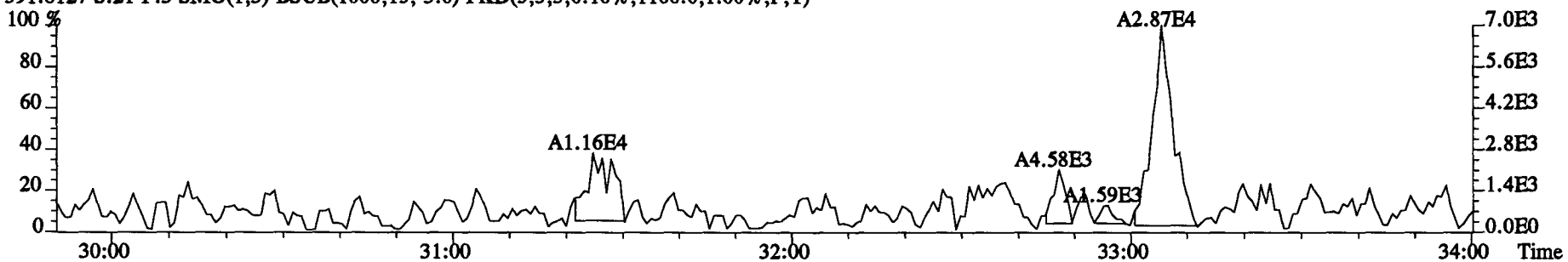


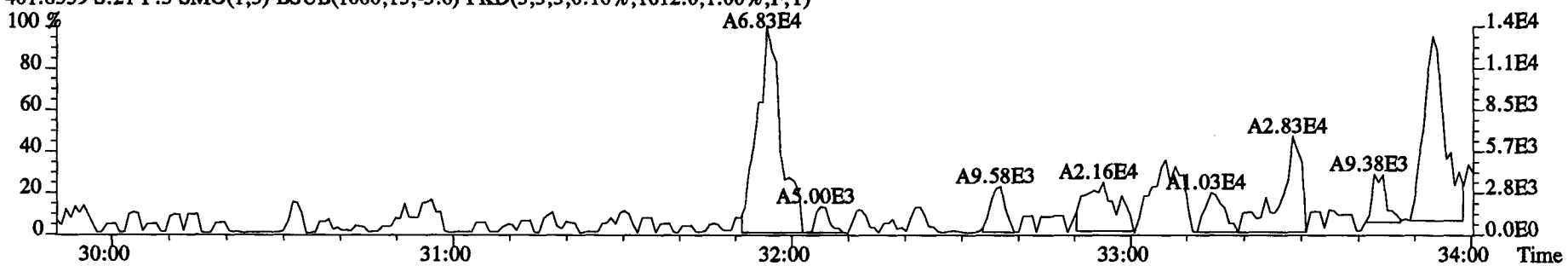


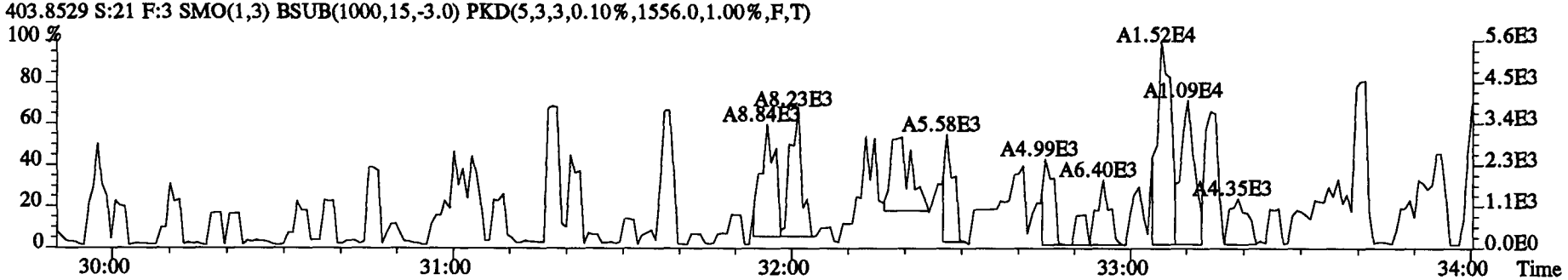


File:24AP104D5 #1-316 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

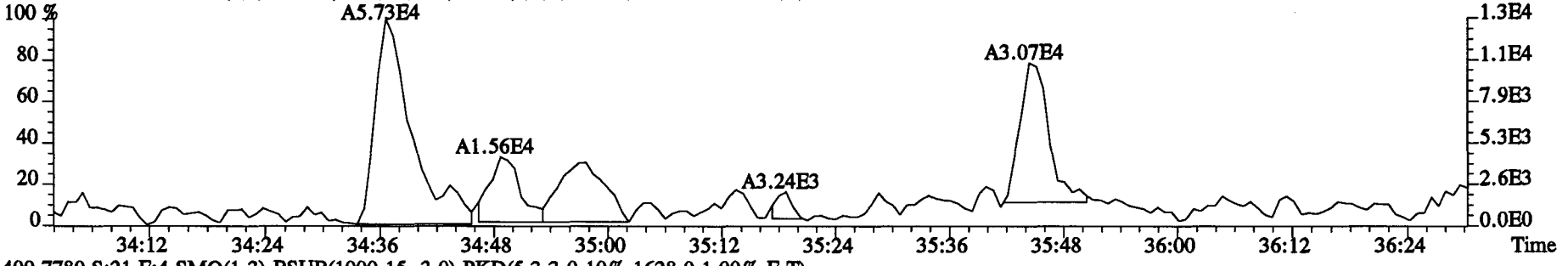


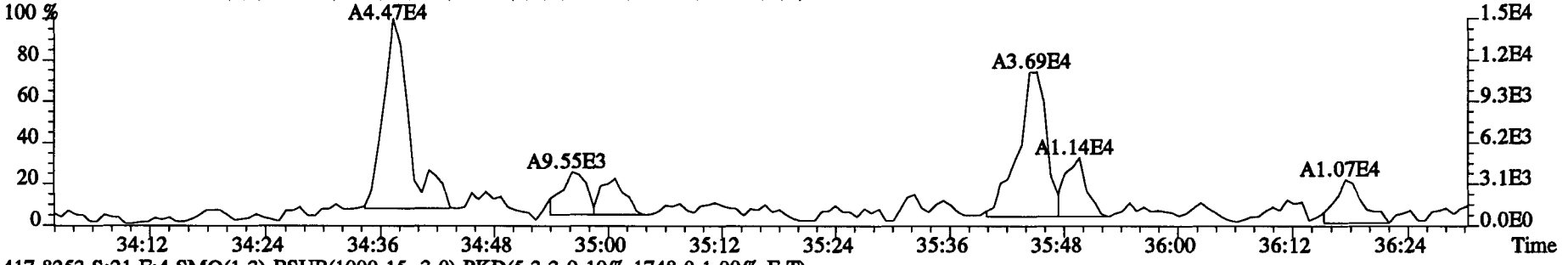


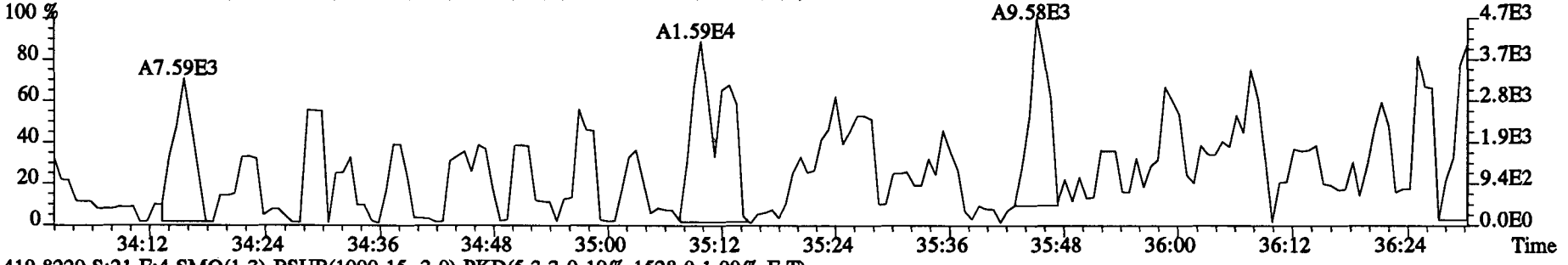


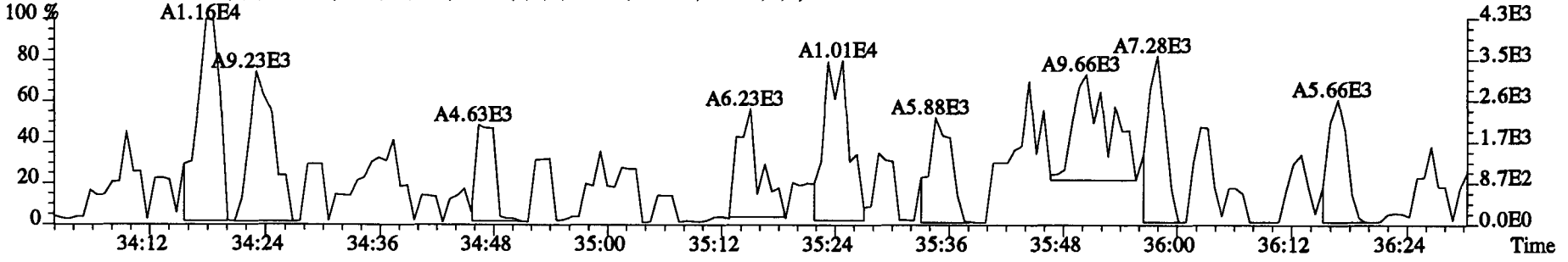


File:24AP104D5 #1-198 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

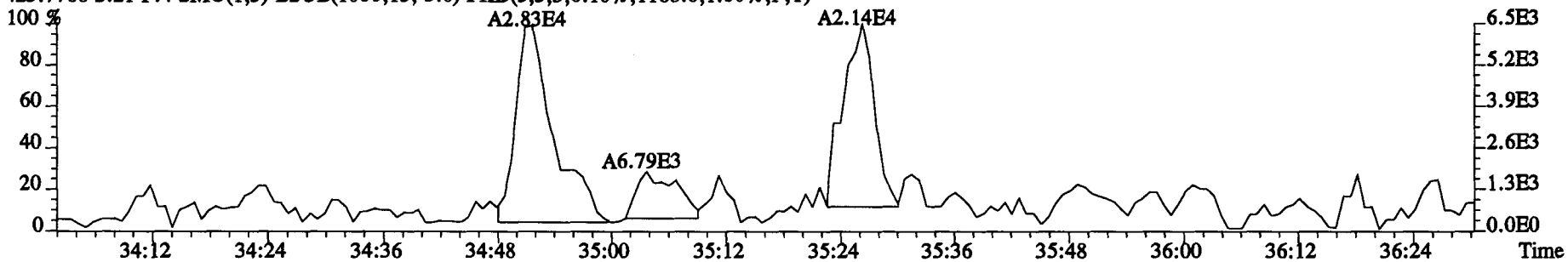




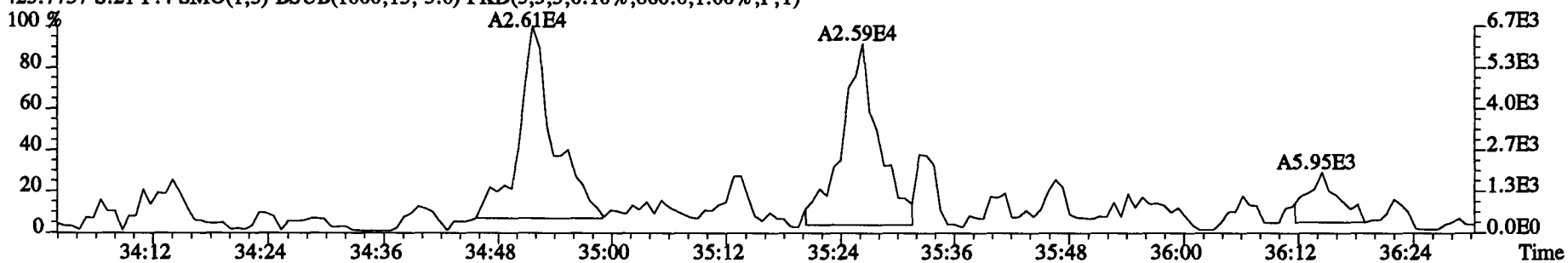




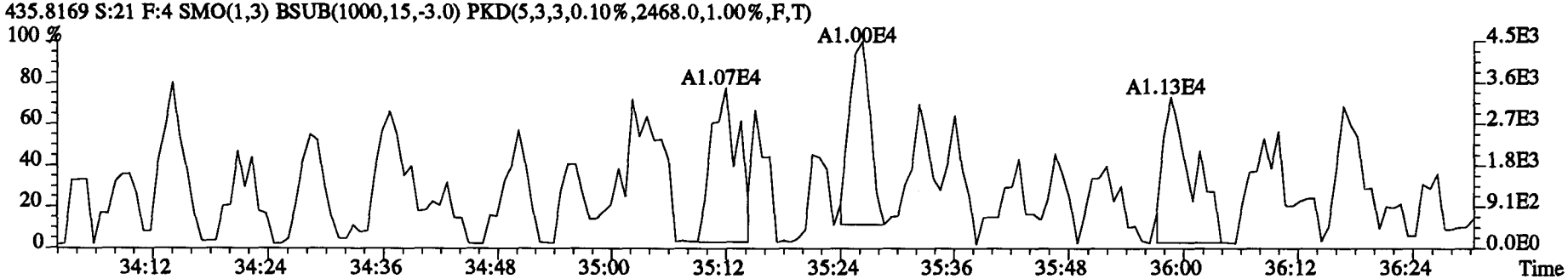
File:24AP104D5 #1-198 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A
423.7766 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1168.0,1.00%,F,T)



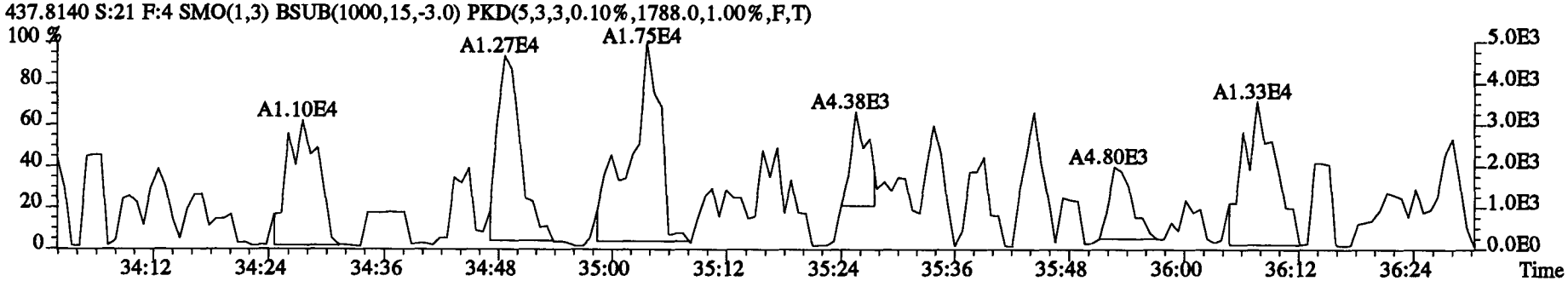
425.7737 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,860.0,1.00%,F,T)



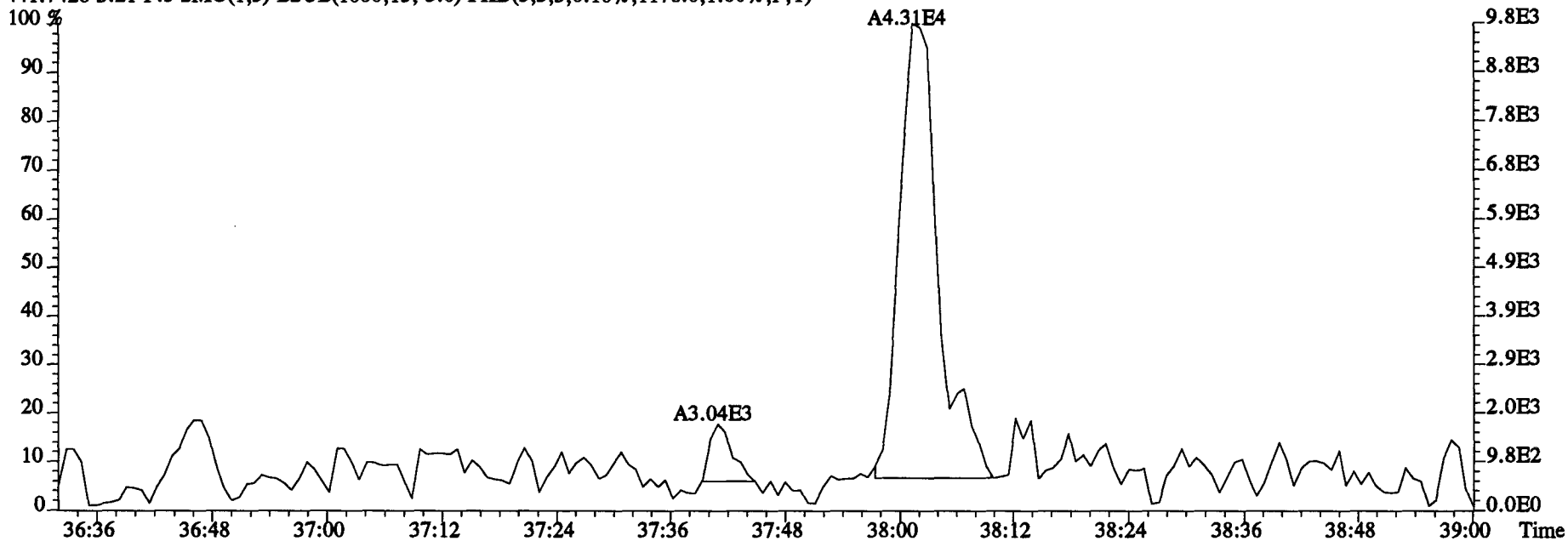
435.8169 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2468.0,1.00%,F,T)



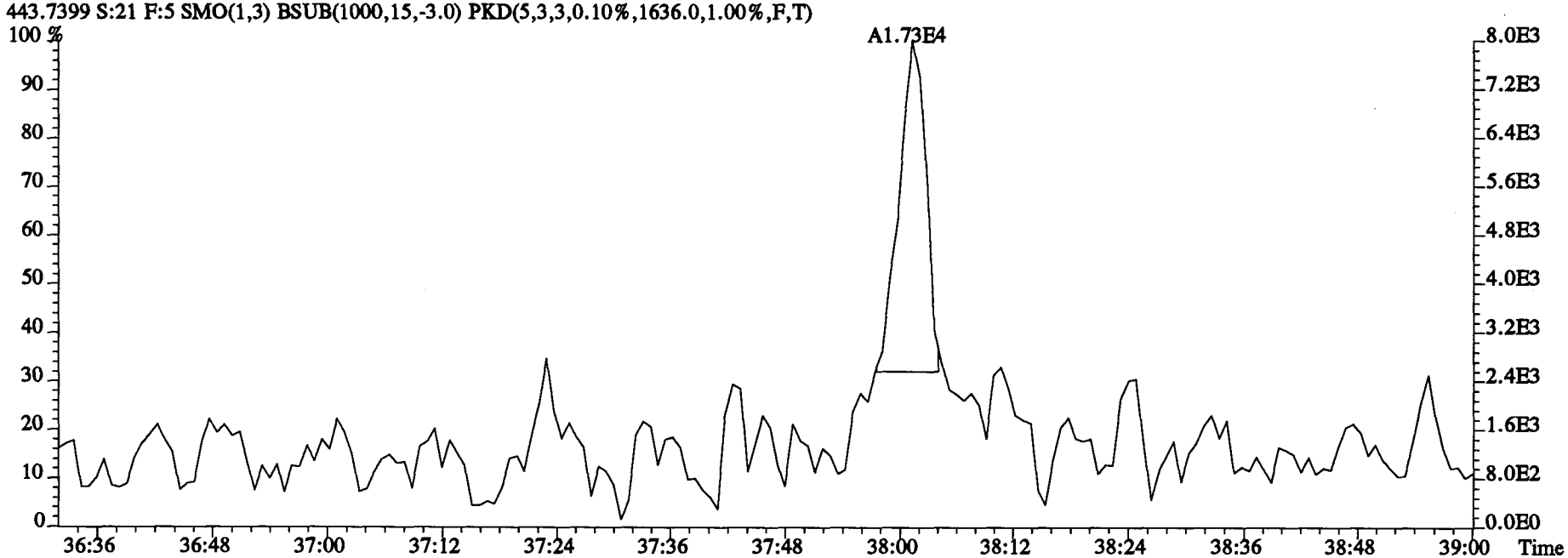
437.8140 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



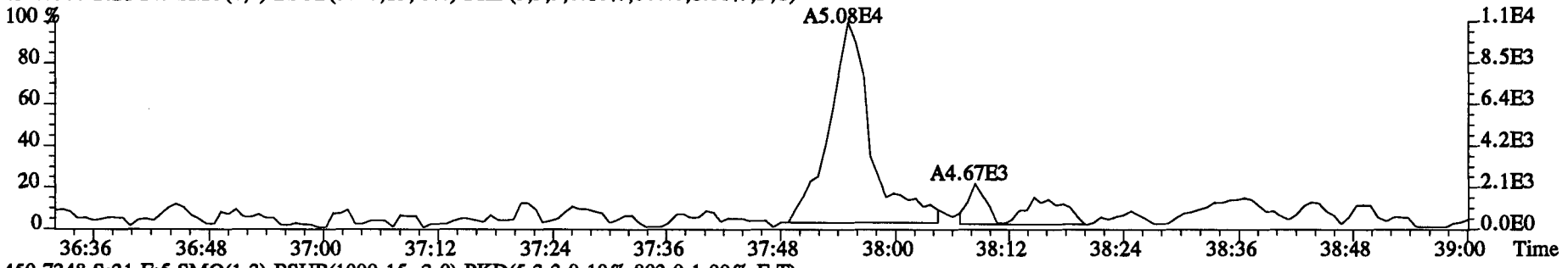
File:24AP104D5 #1-190 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A
441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1176.0,1.00%,F,T)

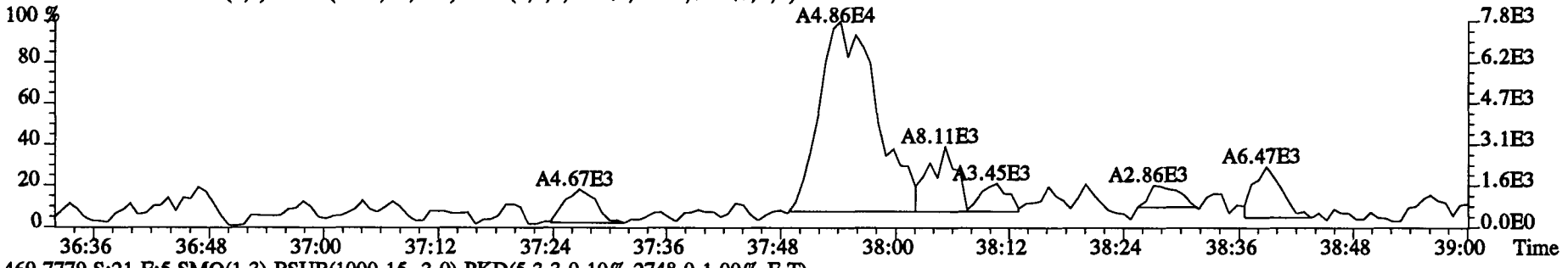


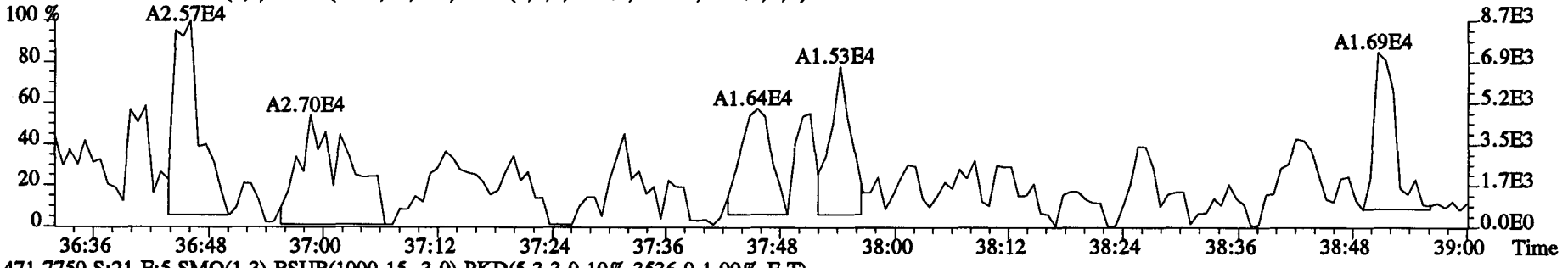
443.7399 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)

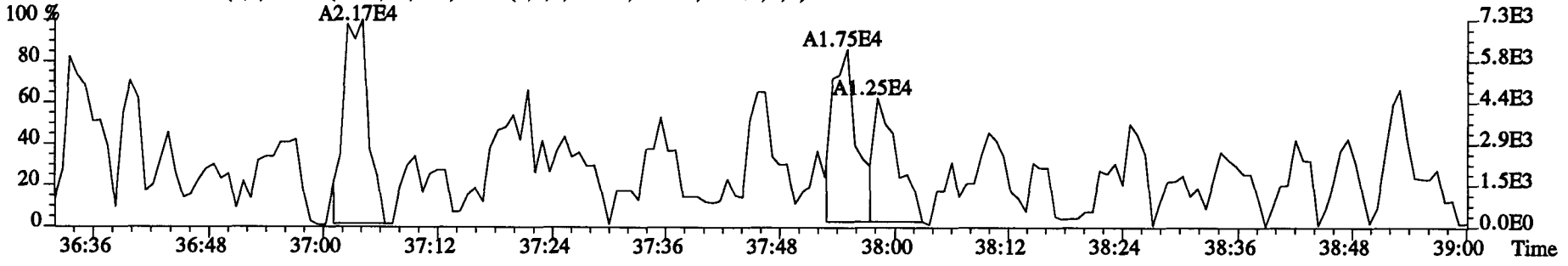


File:24AP104D5 #1-190 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A



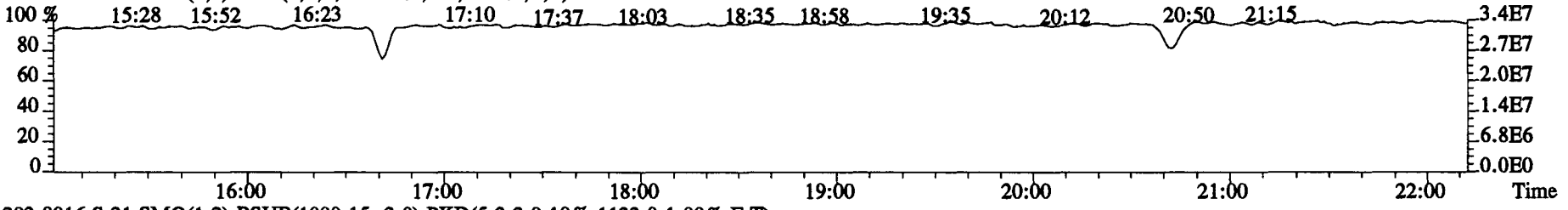




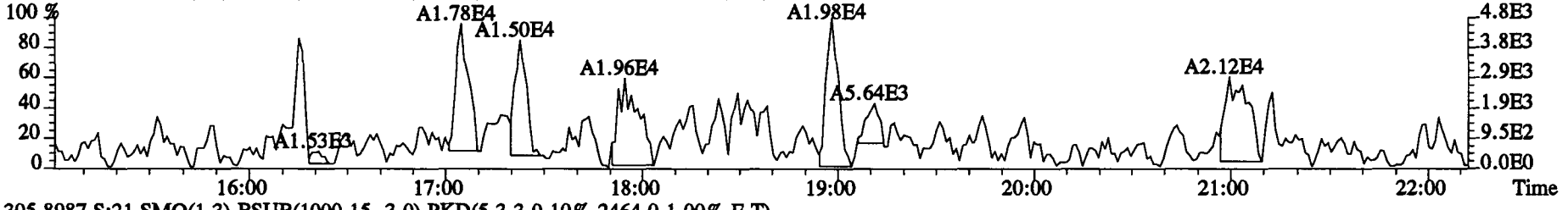


File:24AP104D5 #1-434 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

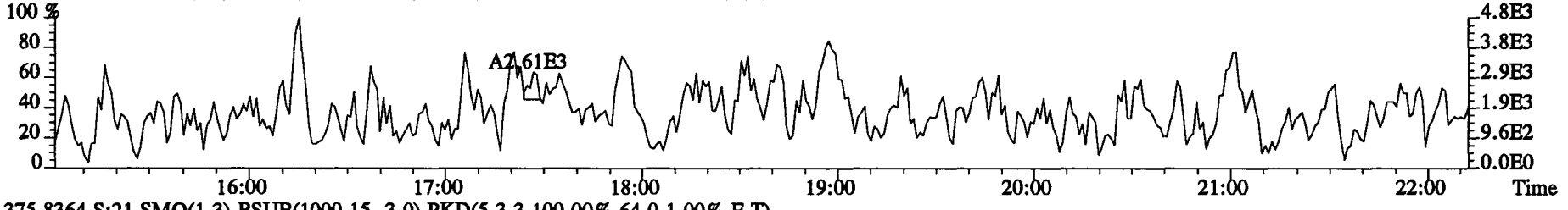
354.9792 S:21 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



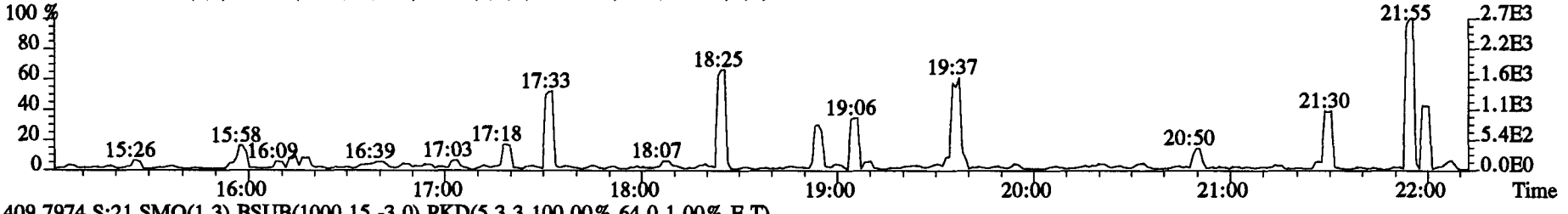
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1132.0,1.00%,F,T)



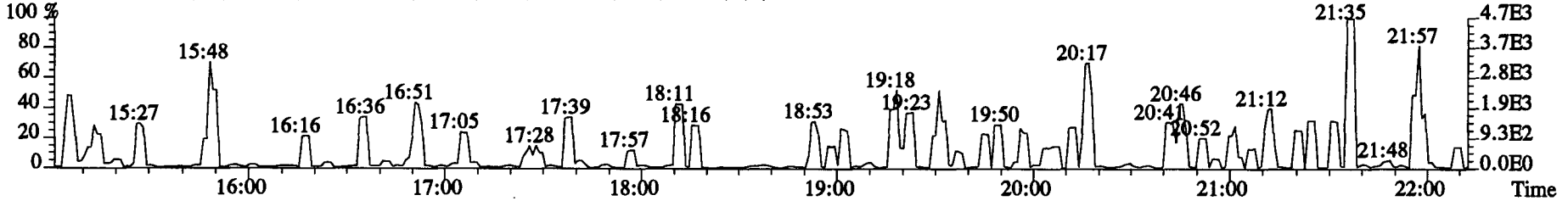
305.8987 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2464.0,1.00%,F,T)



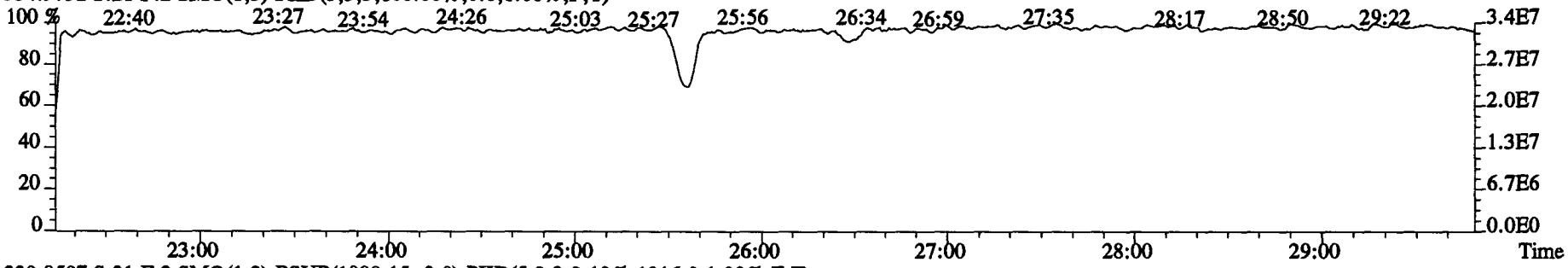
375.8364 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,64.0,1.00%,F,T)



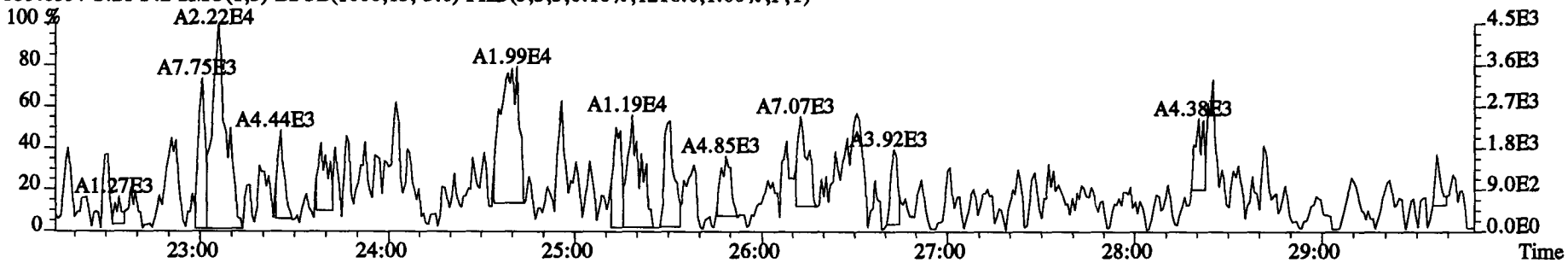
409.7974 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,64.0,1.00%,F,T)



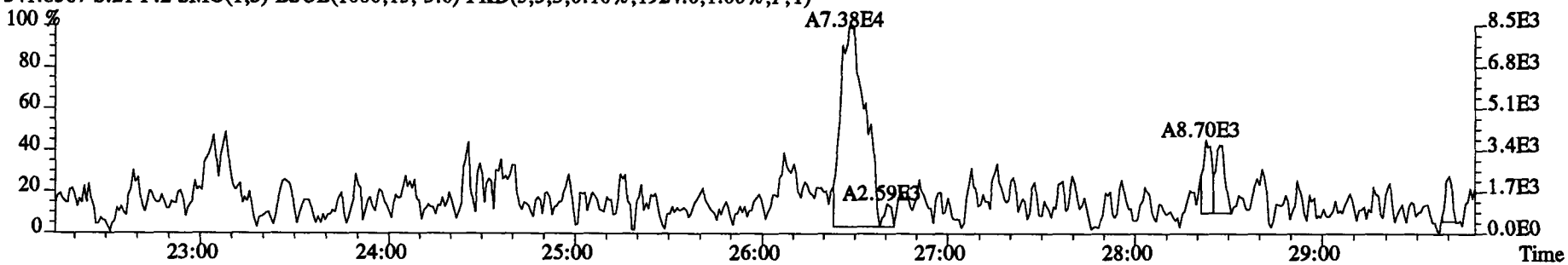
File:24AP104D5 #1-605 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A
354.9792 S:21 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



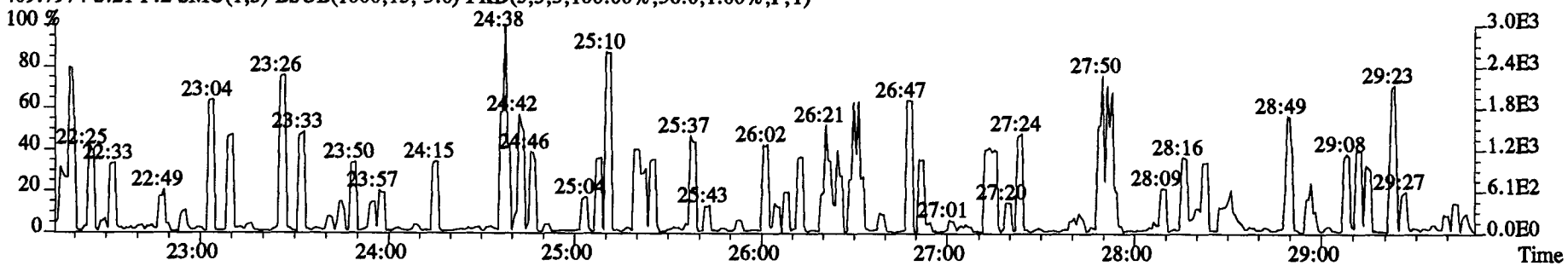
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



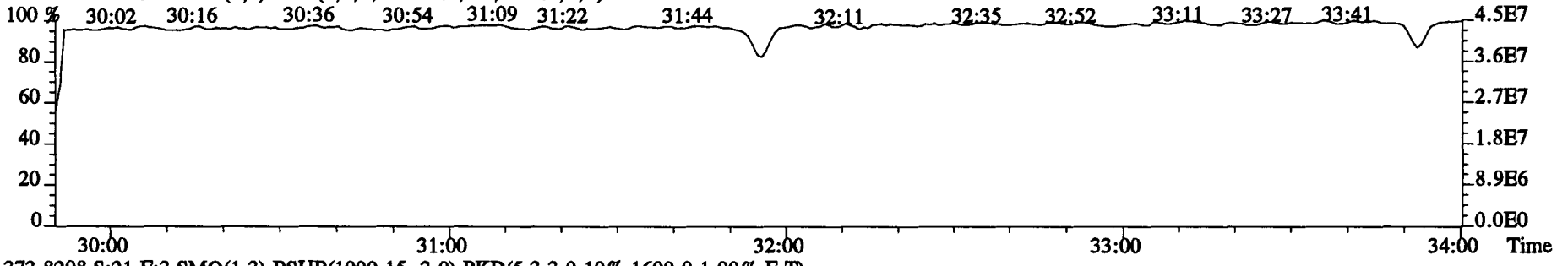
341.8567 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1924.0,1.00%,F,T)

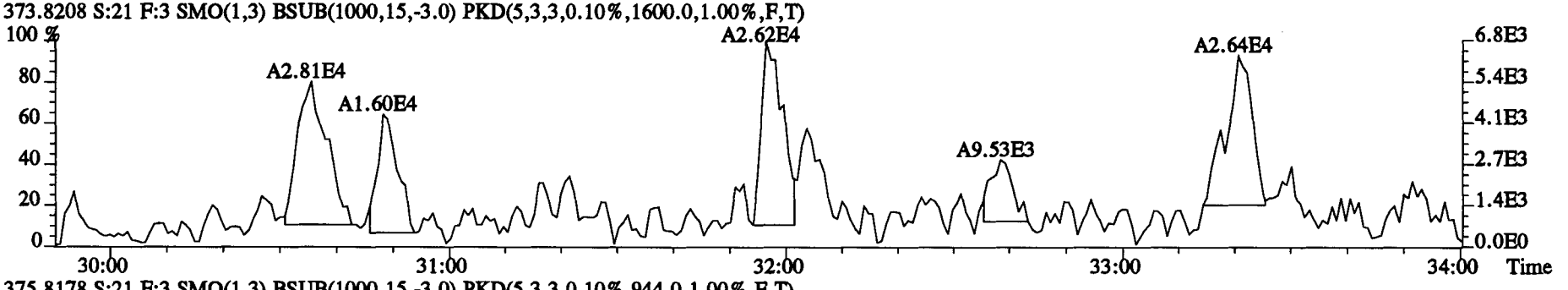


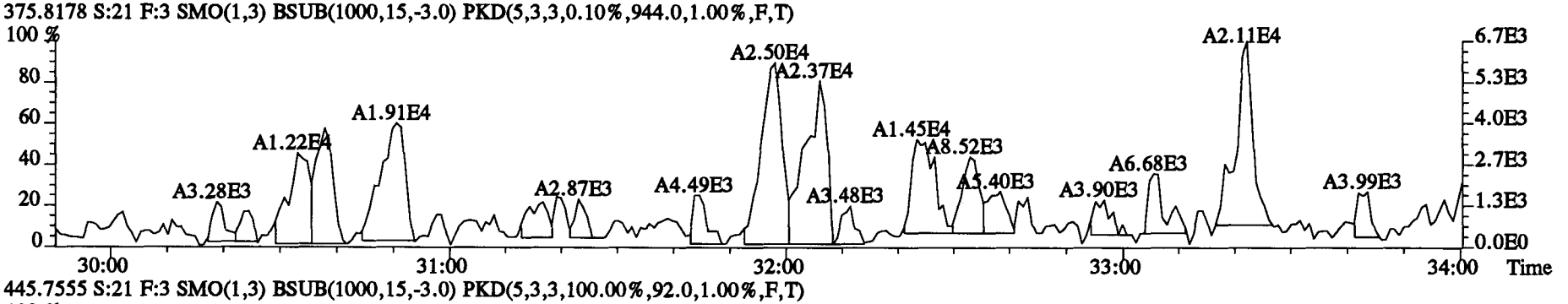
409.7974 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)

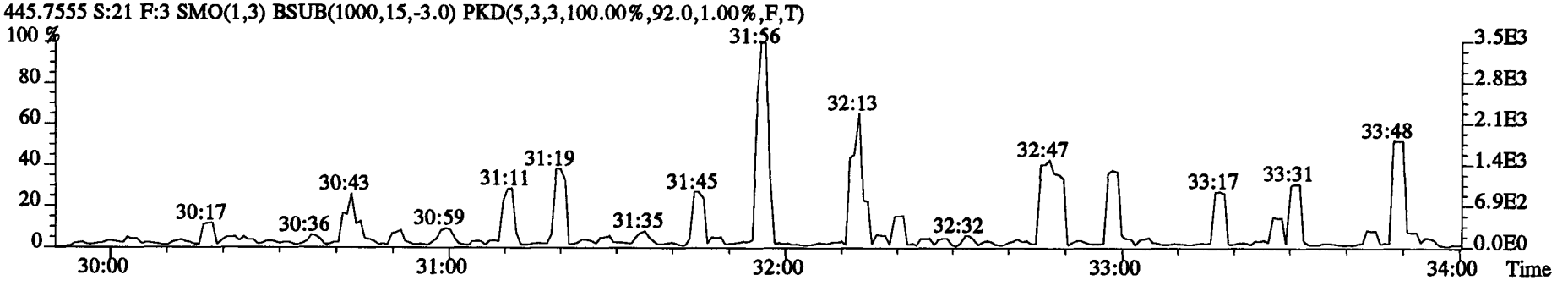


File:24AP104D5 #1-316 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

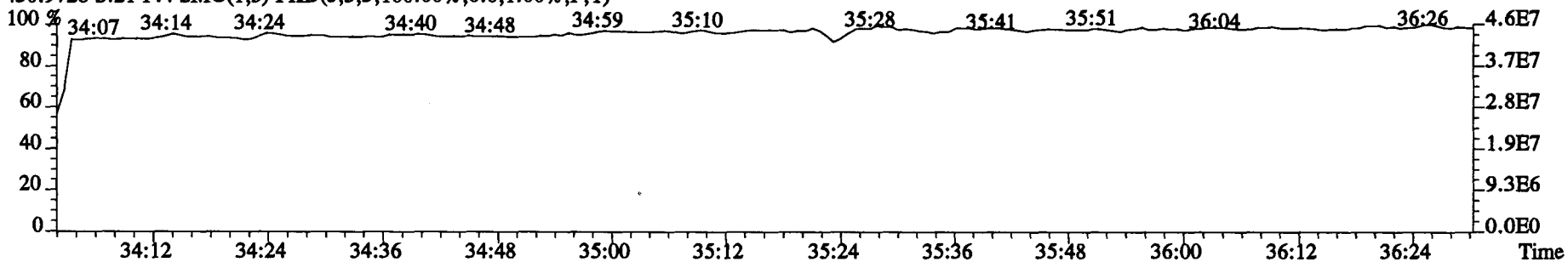


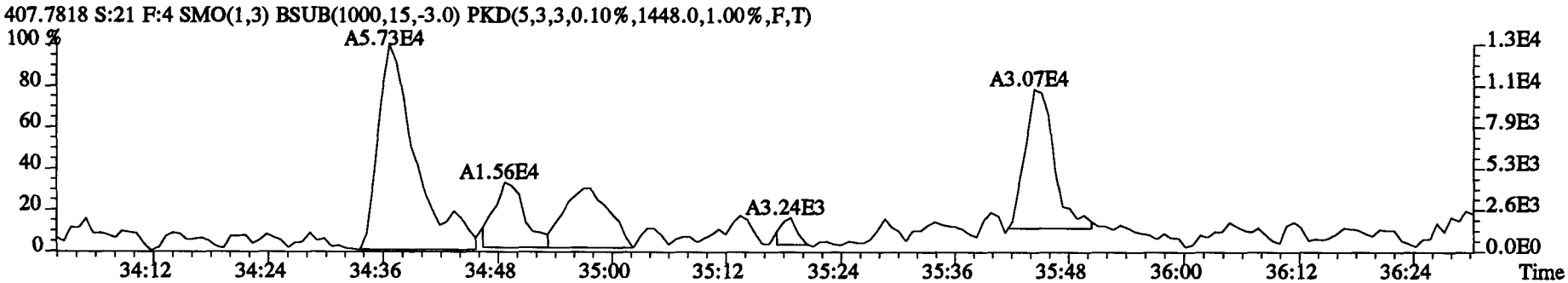


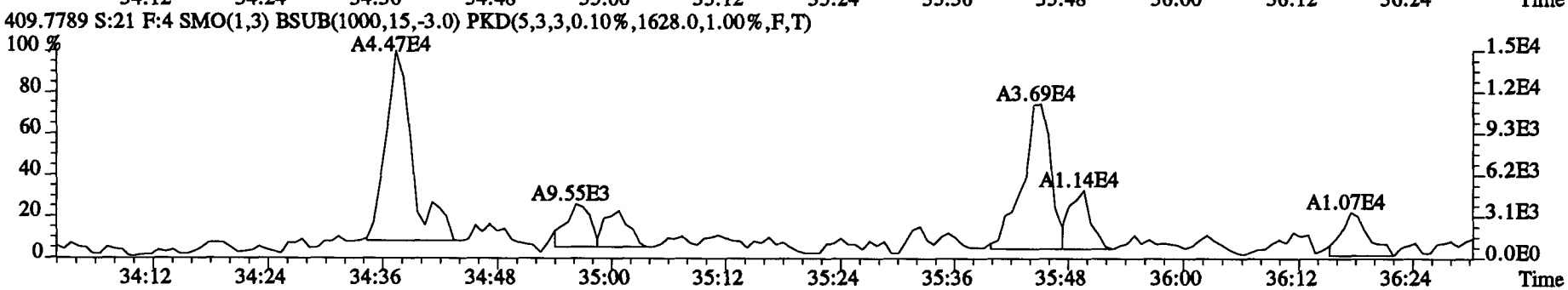


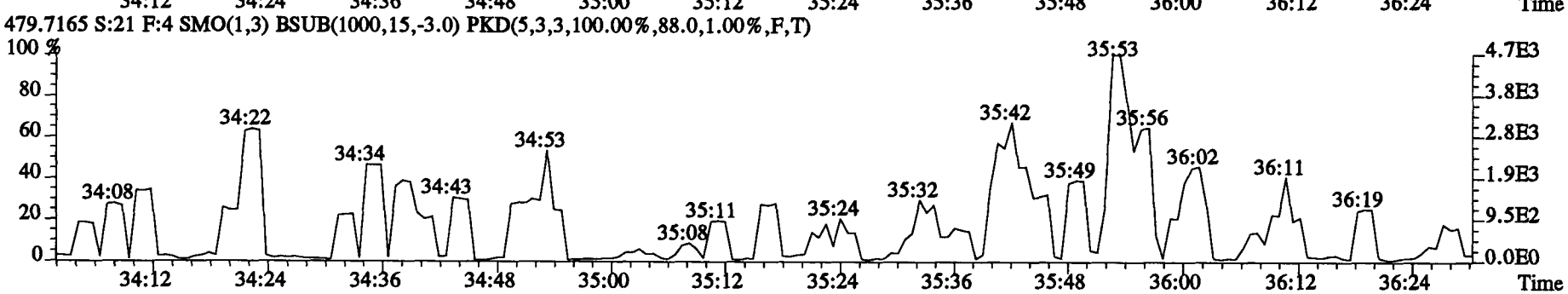


File:24AP104D5 #1-198 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

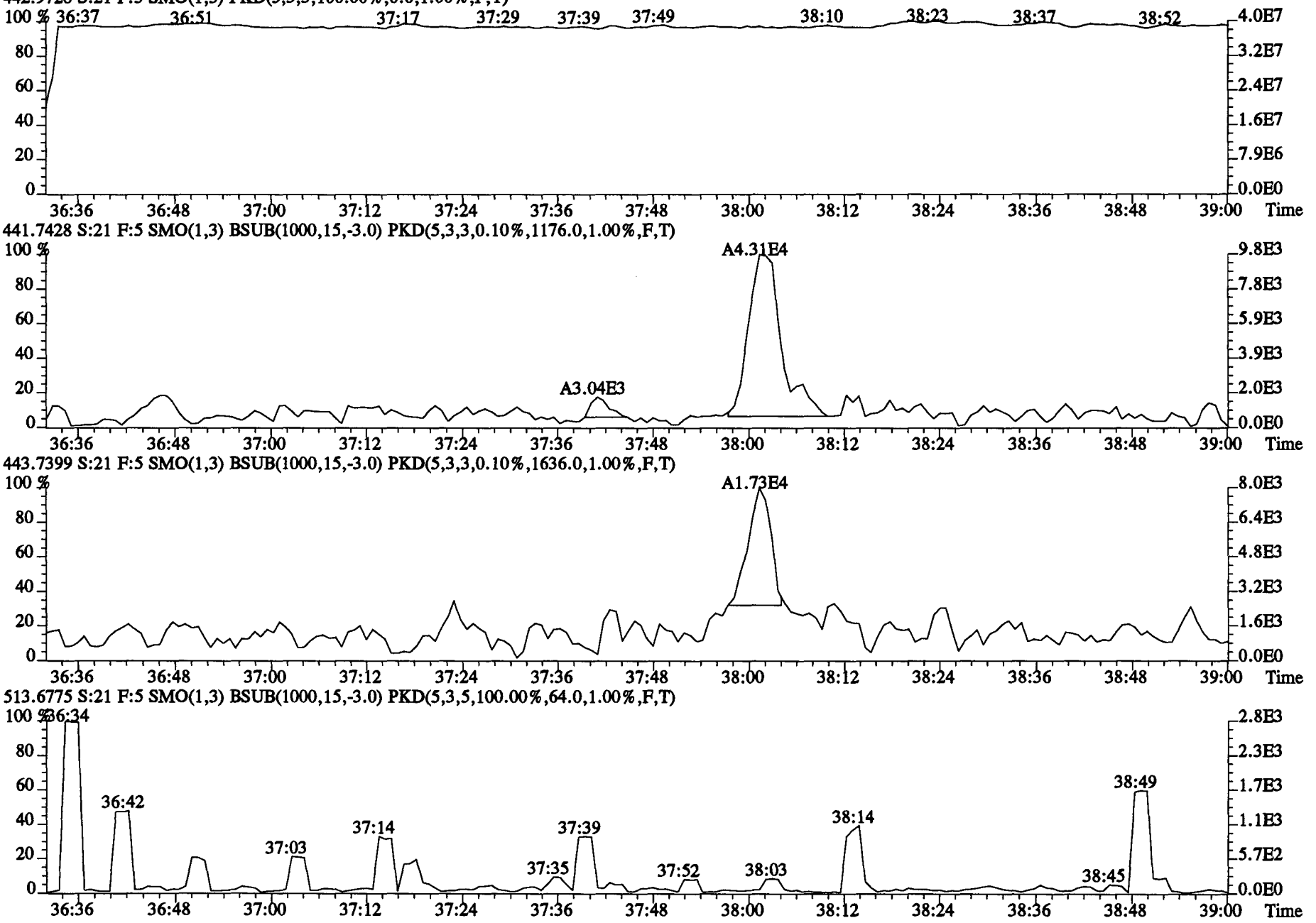




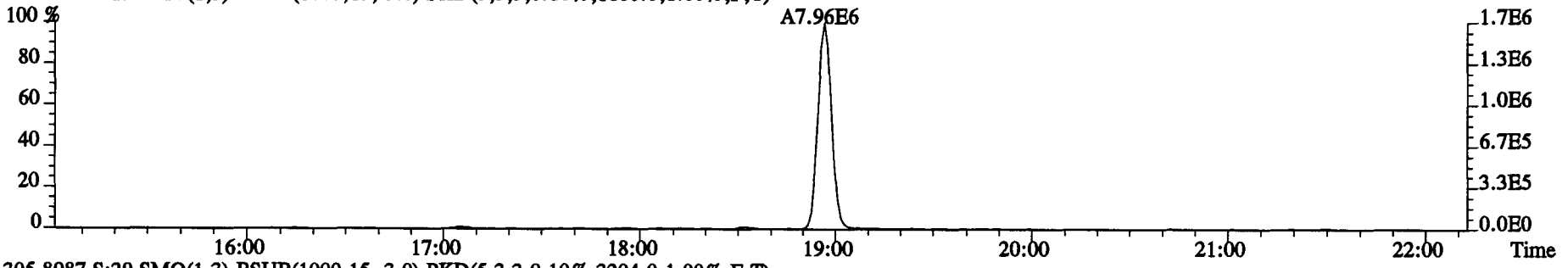


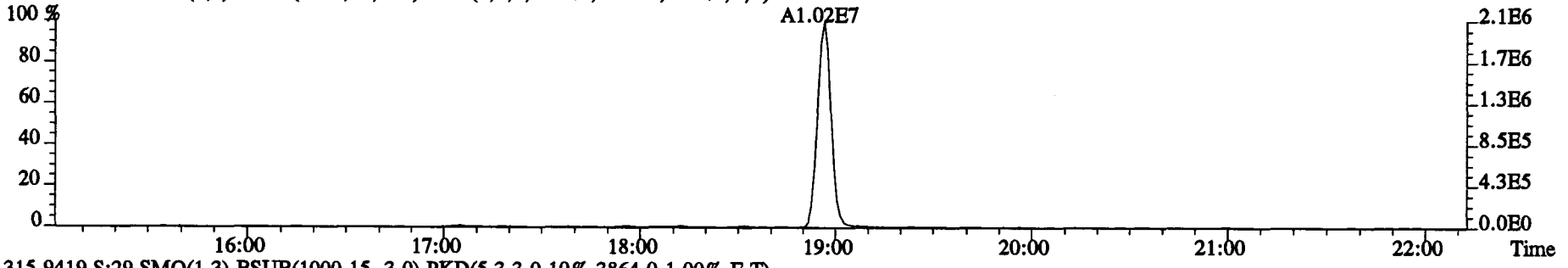


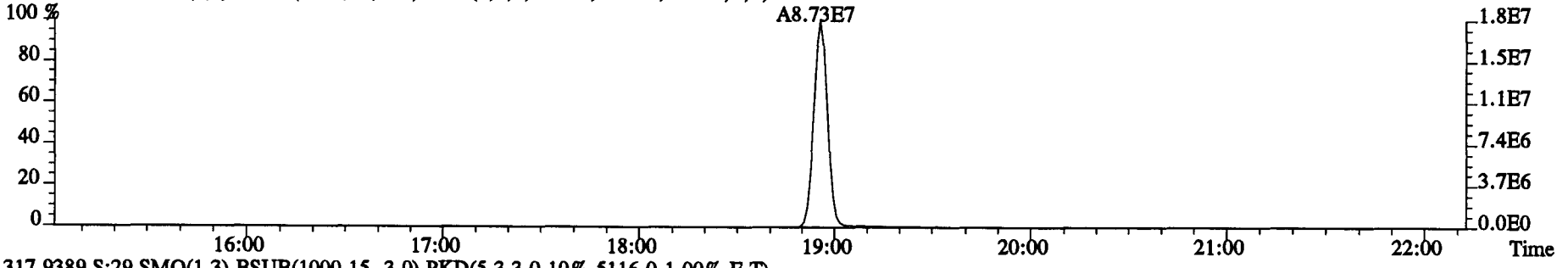
File:24AP104D5 #1-190 Acq:24-APR-2010 23:50:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:SB0424B :Solvent Blank C-14 Exp:DIOXINRES8290A

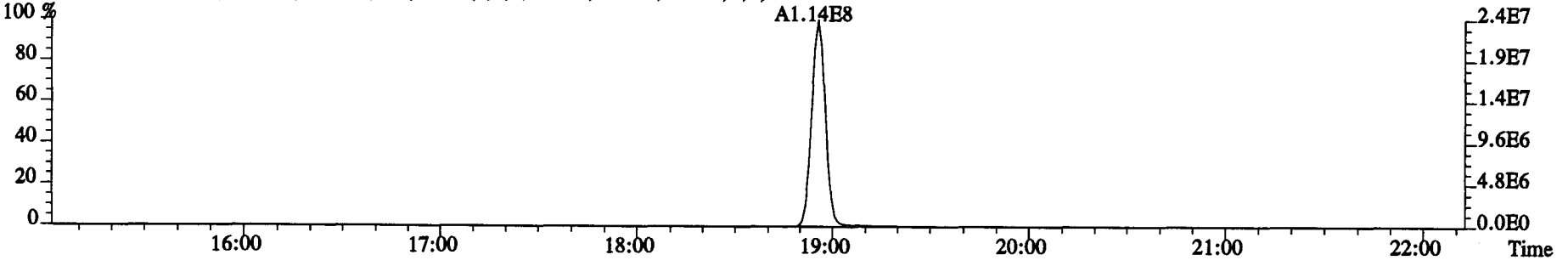


File:24AP104D5 #1-434 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

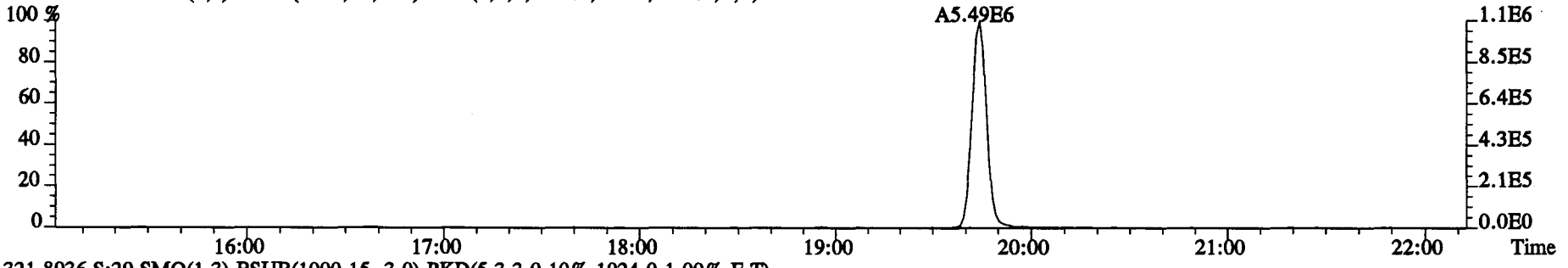


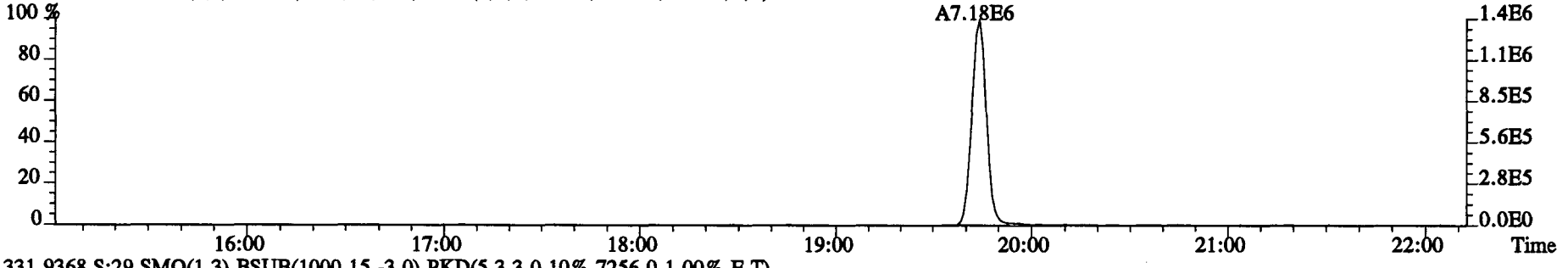


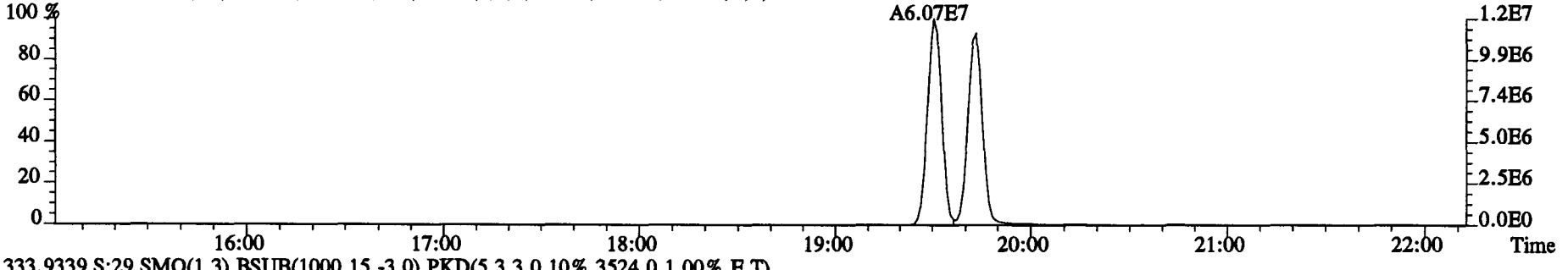


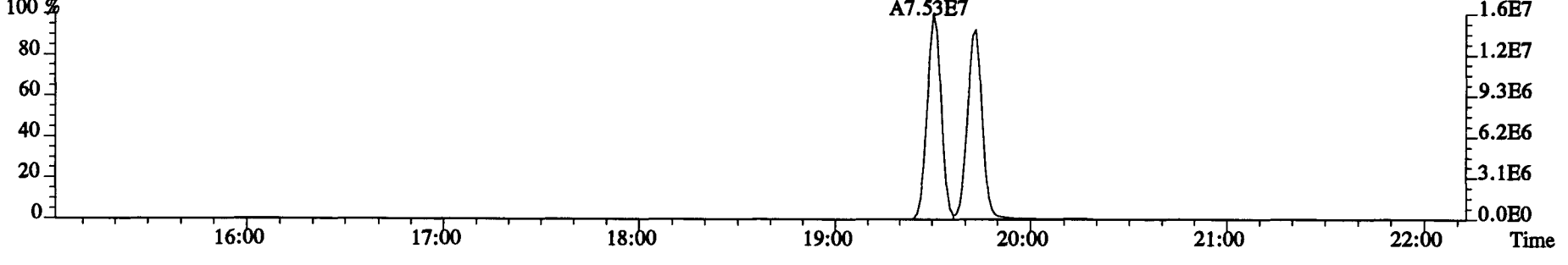


File:24AP104D5 #1-434 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A



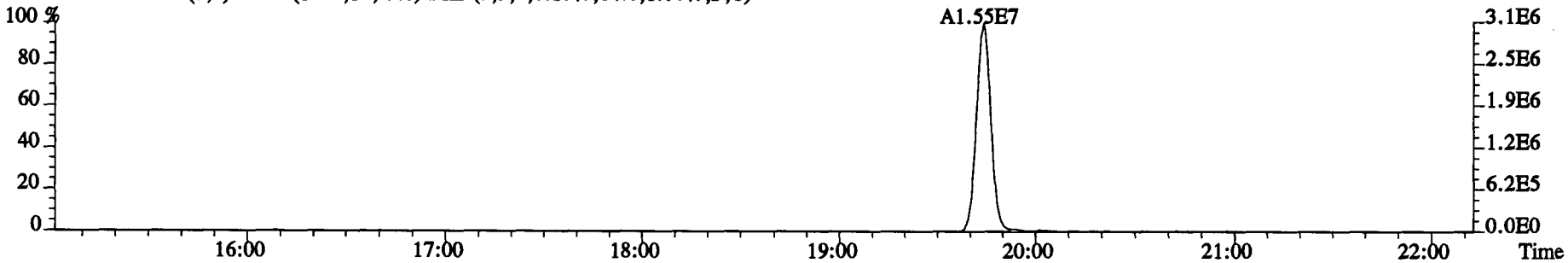




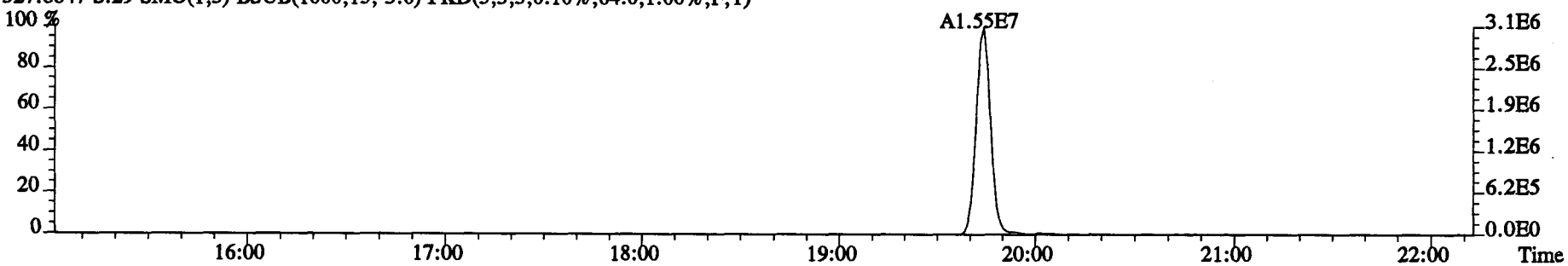


File:24AP104D5 #1-434 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

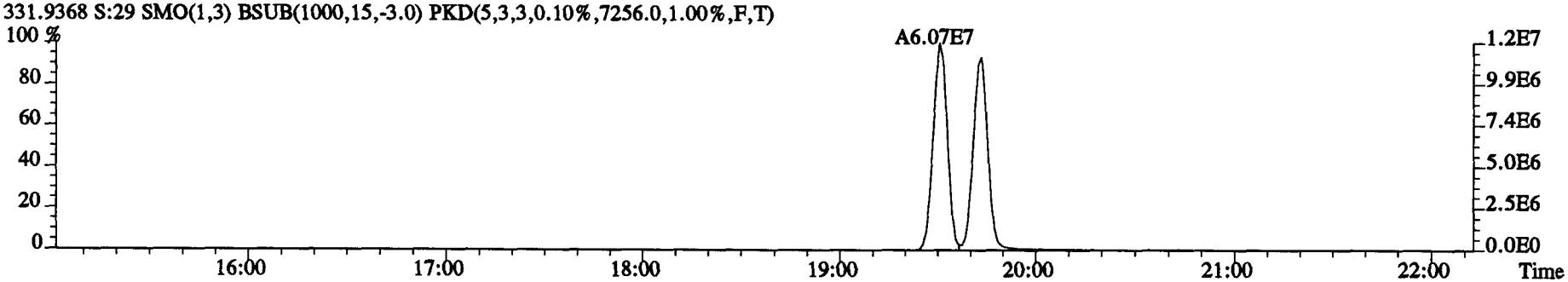
327.8847 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



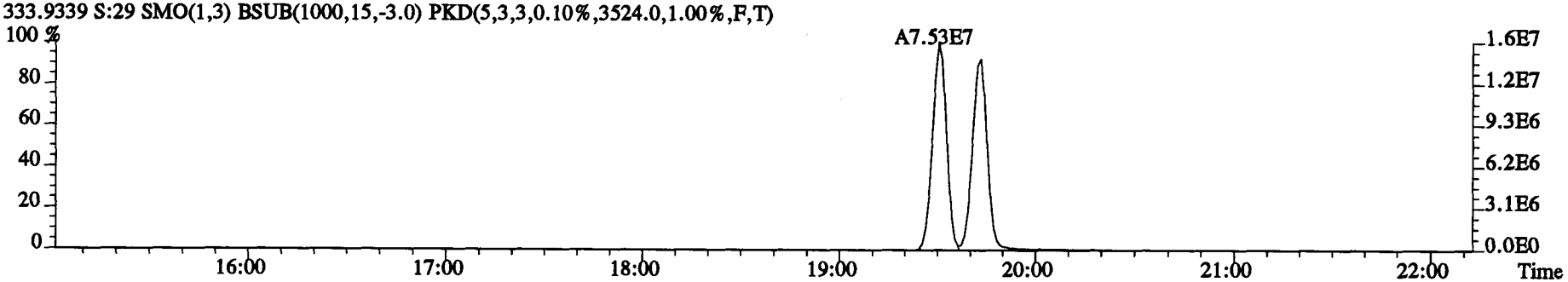
327.8847 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)



331.9368 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7256.0,1.00%,F,T)

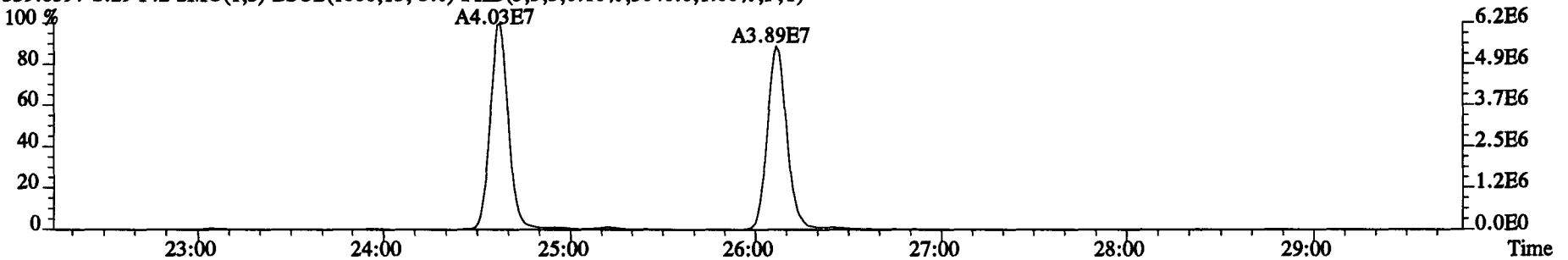


333.9339 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)

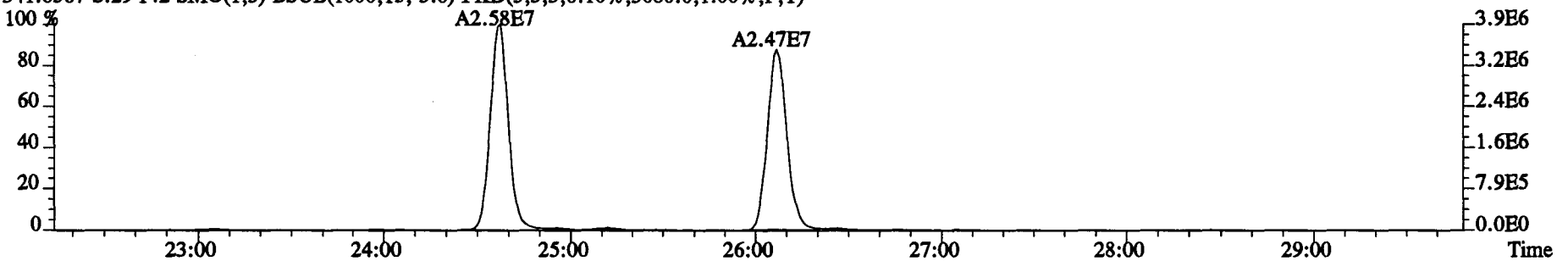


File:24AP104D5 #1-604 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

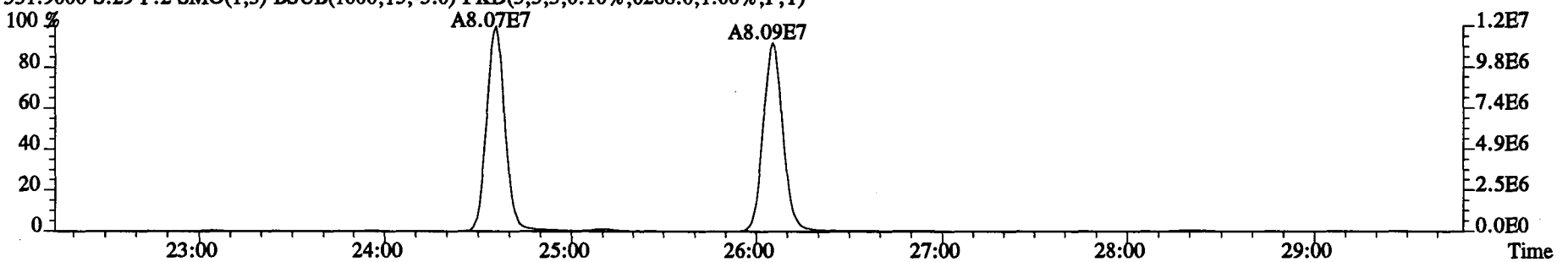
339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3040.0,1.00%,F,T)



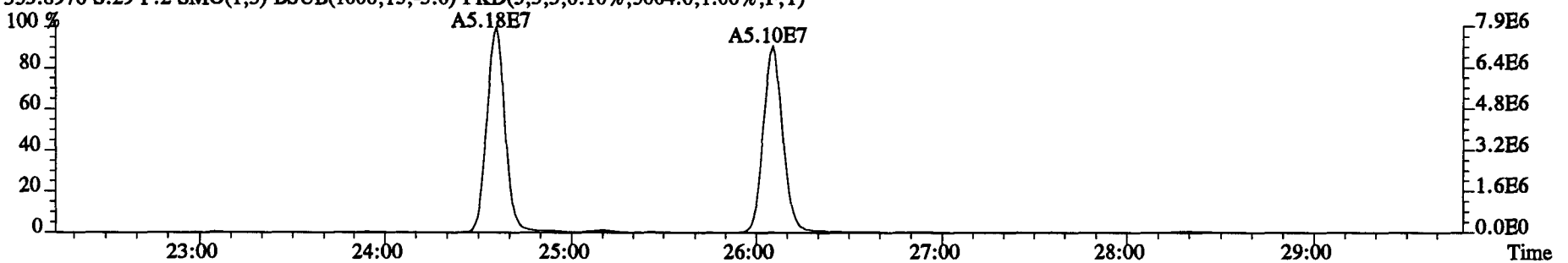
341.8567 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3080.0,1.00%,F,T)



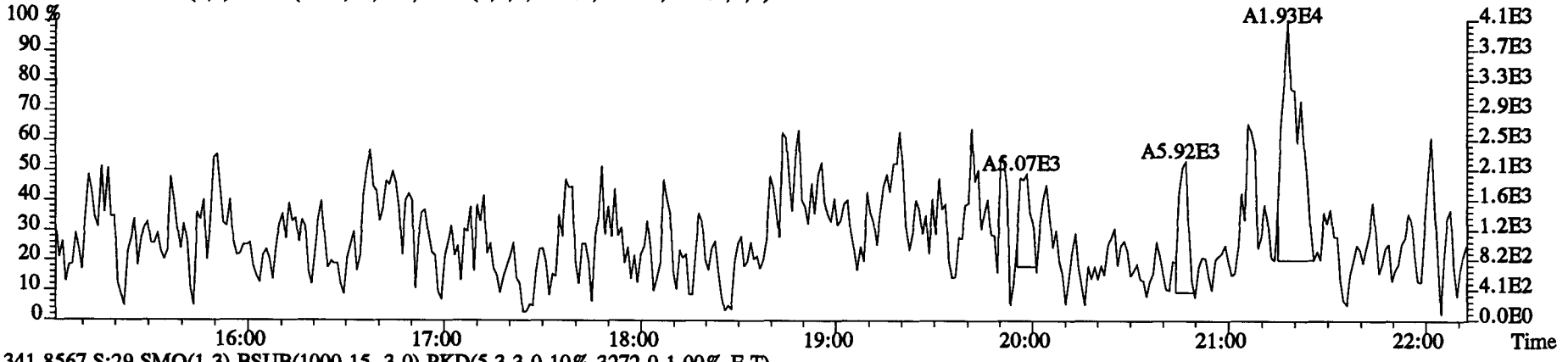
351.9000 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268.0,1.00%,F,T)



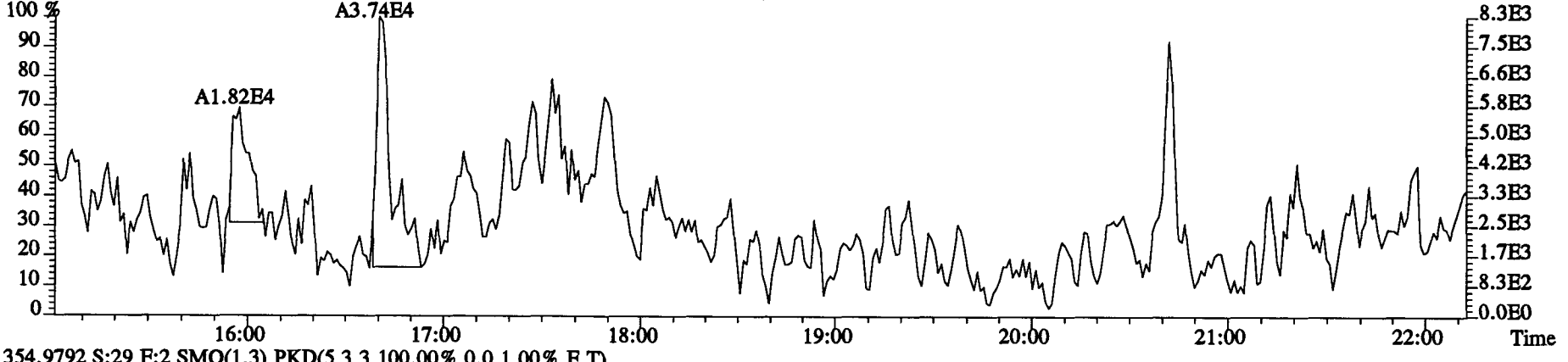
353.8970 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5064.0,1.00%,F,T)



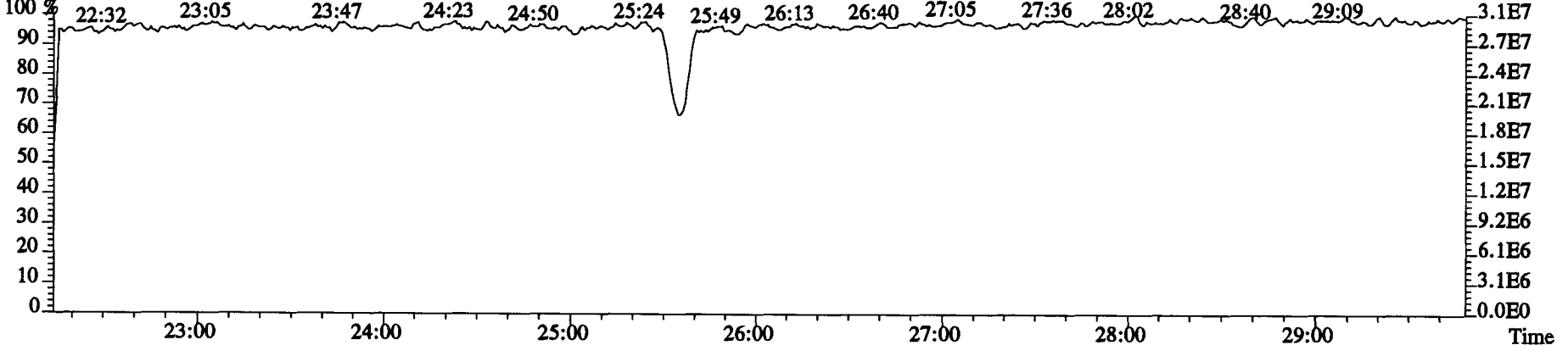
File:24AP104D5 #1-434 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A
339.8597 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1568.0,1.00%,F,T)



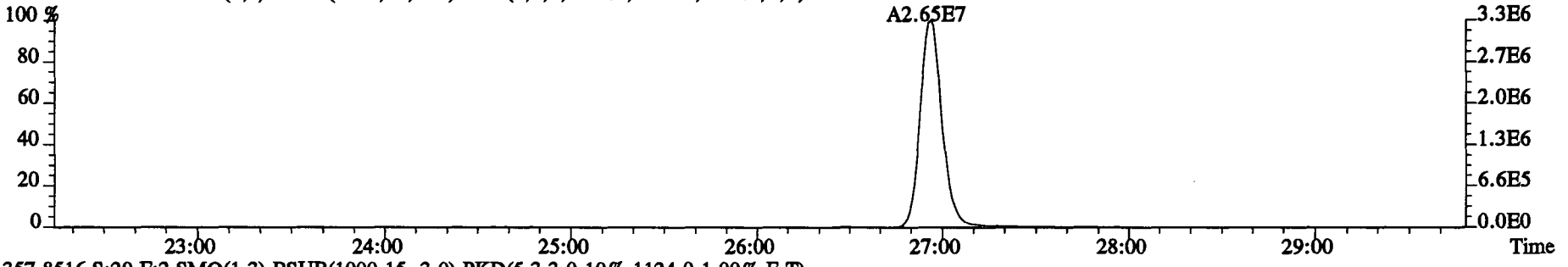
341.8567 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3272.0,1.00%,F,T)



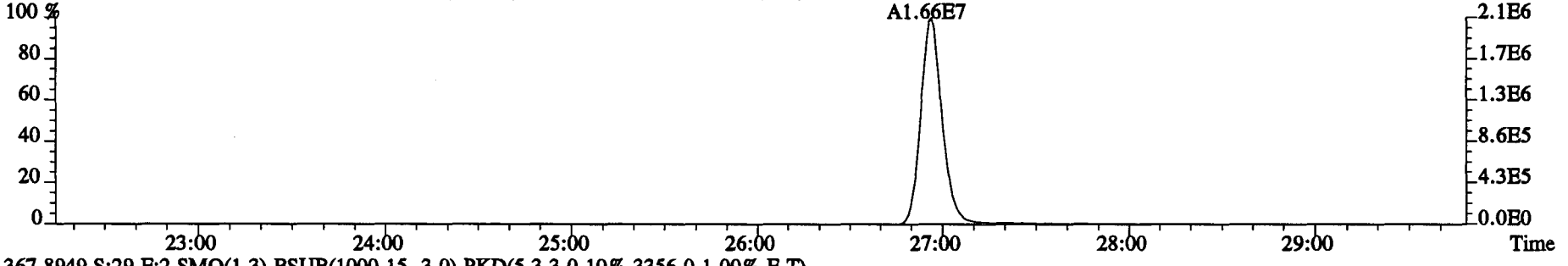
354.9792 S:29 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



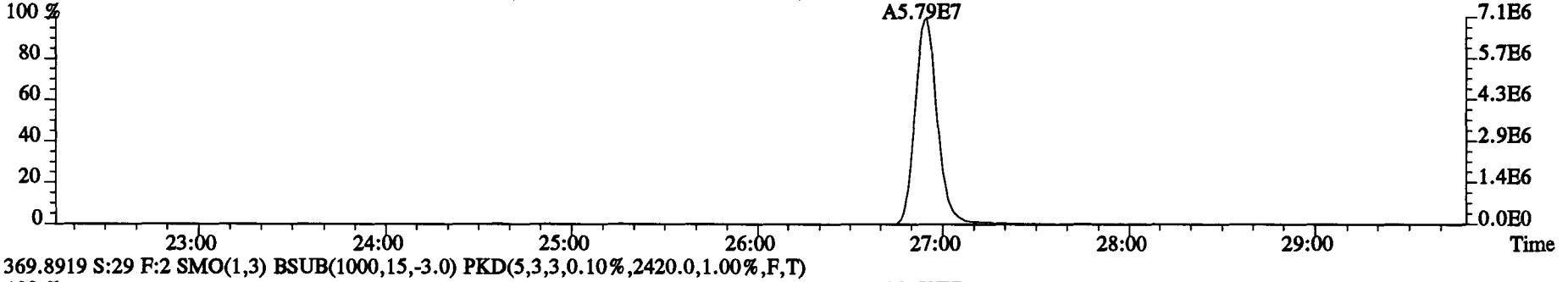
File:24AP104D5 #1-604 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A
355.8546 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1864.0,1.00%,F,T)



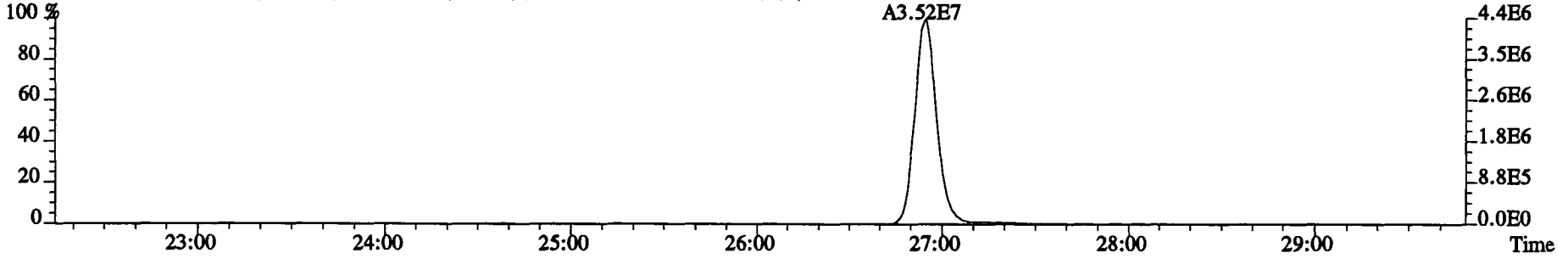
357.8516 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1124.0,1.00%,F,T)



367.8949 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3356.0,1.00%,F,T)

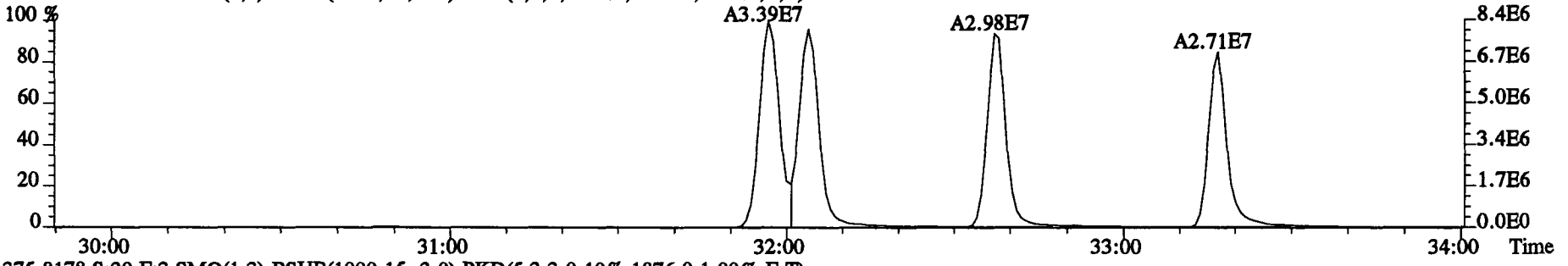


369.8919 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2420.0,1.00%,F,T)

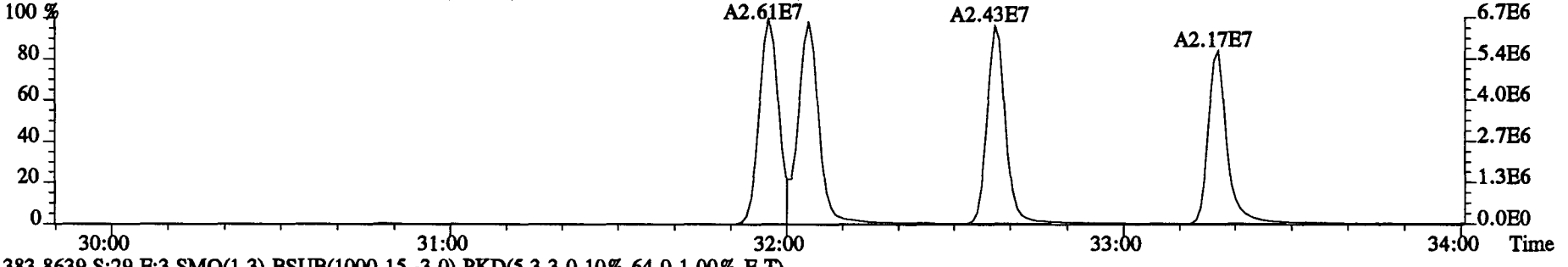


File:24AP104D5 #1-317 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

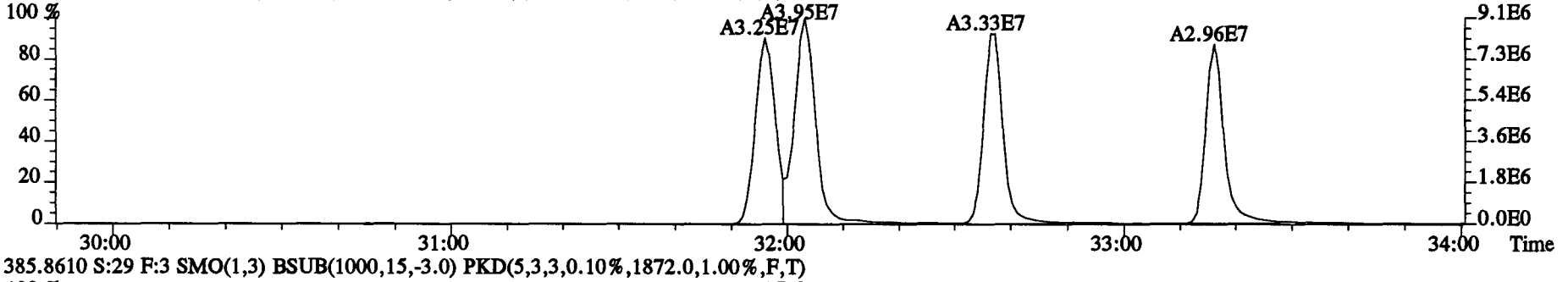
373.8208 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1624.0,1.00%,F,T)



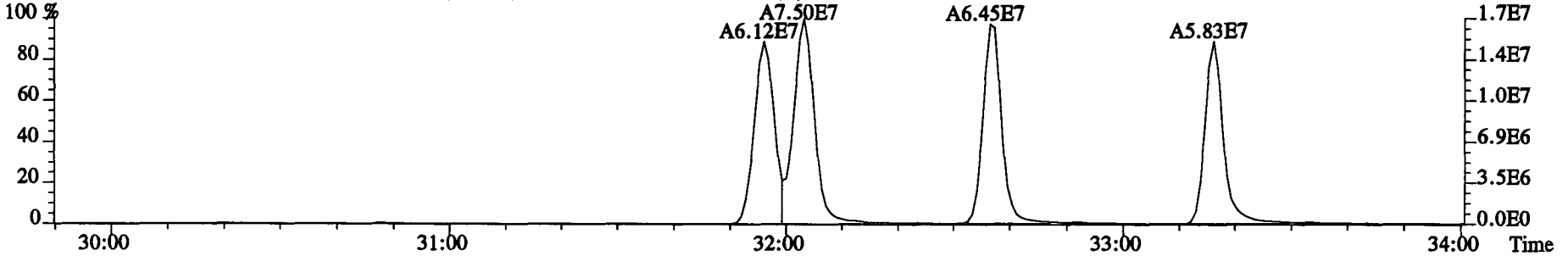
375.8178 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1876.0,1.00%,F,T)



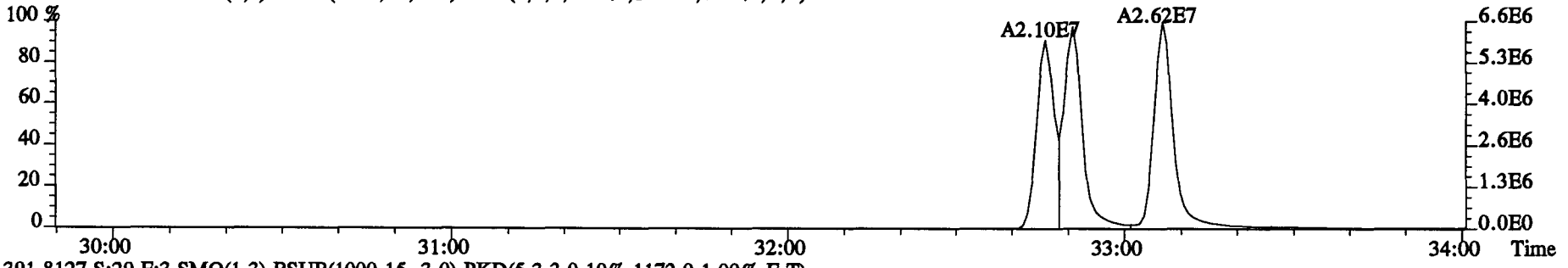
383.8639 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64.0,1.00%,F,T)

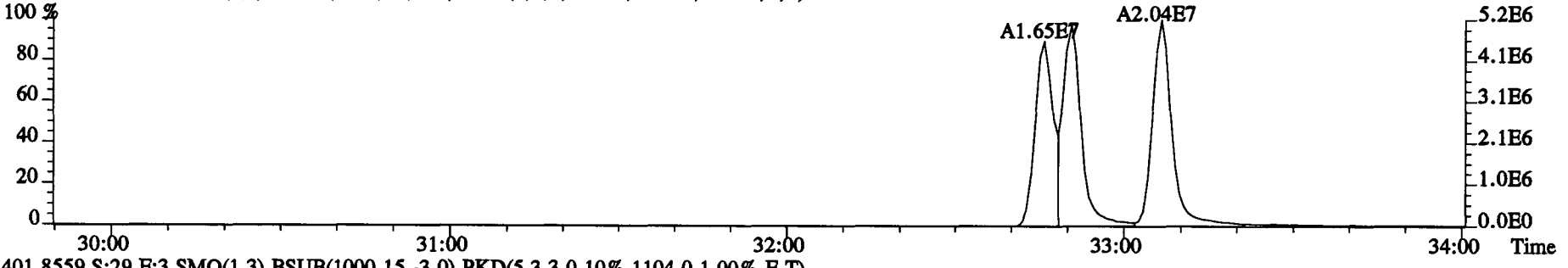


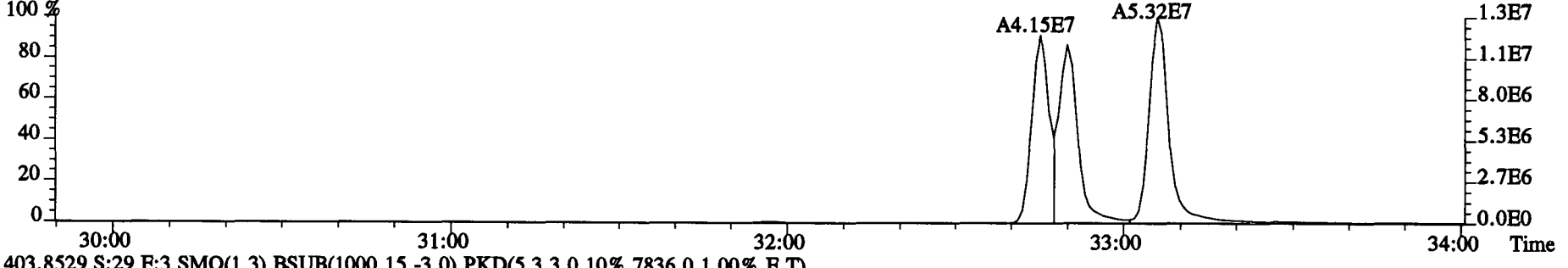
385.8610 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1872.0,1.00%,F,T)

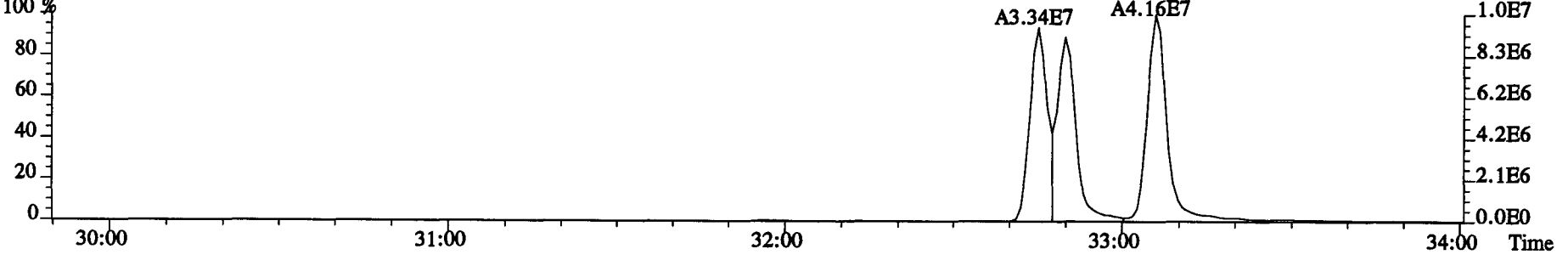


File:24AP104D5 #1-317 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

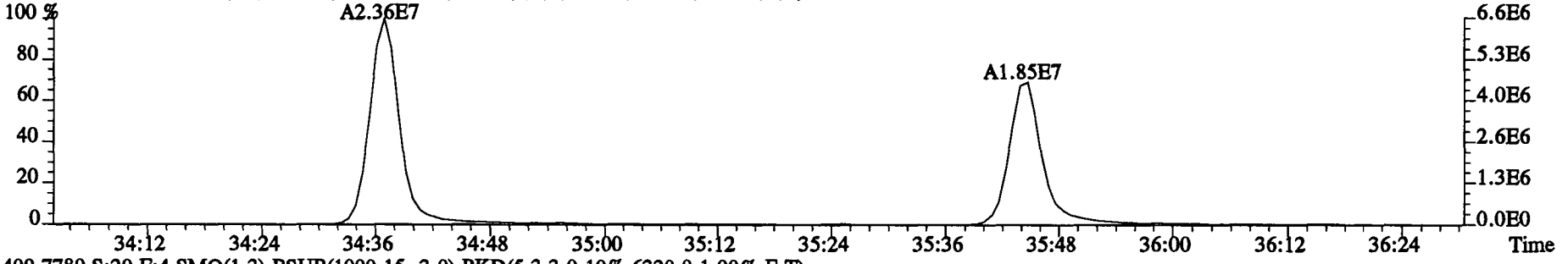




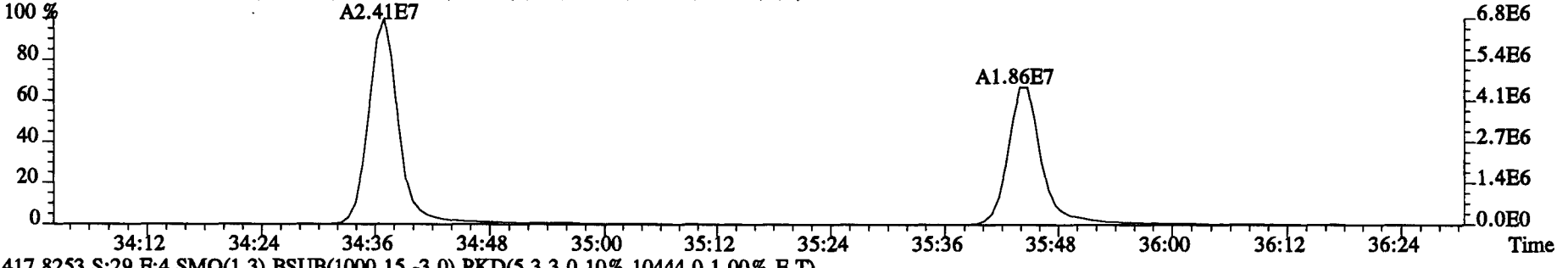




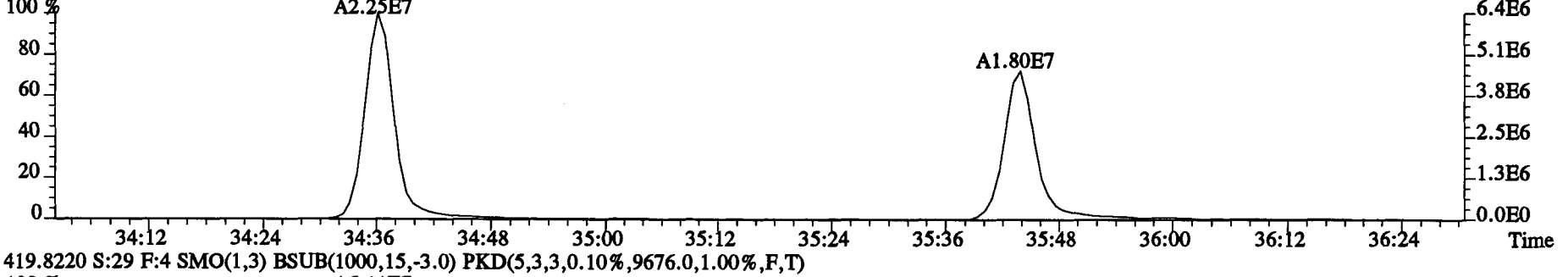
File:24AP104D5 #1-198 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A
407.7818 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9512.0,1.00%,F,T)



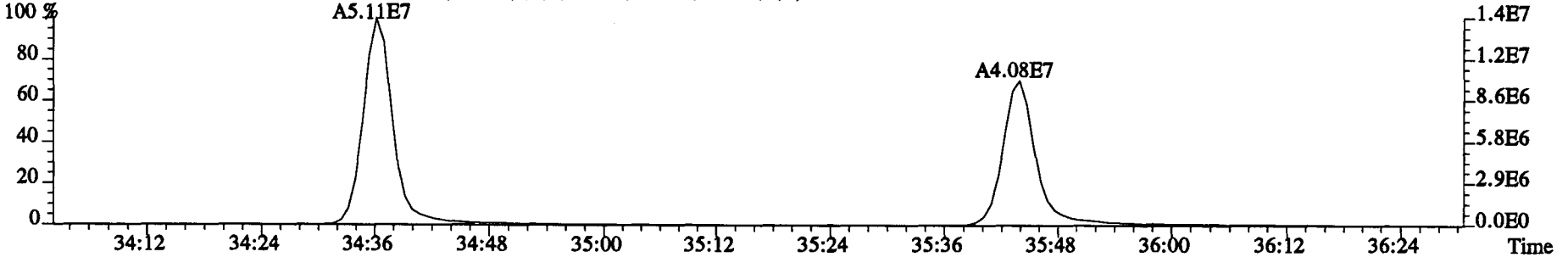
409.7789 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6320.0,1.00%,F,T)



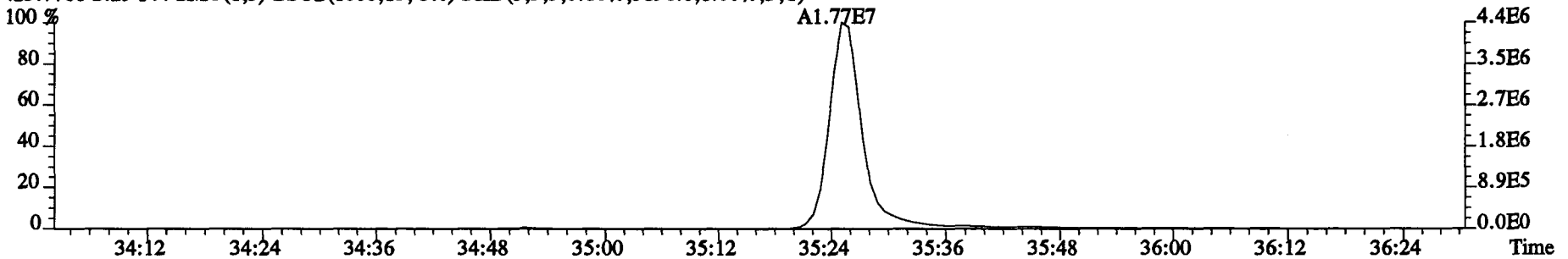
417.8253 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10444.0,1.00%,F,T)



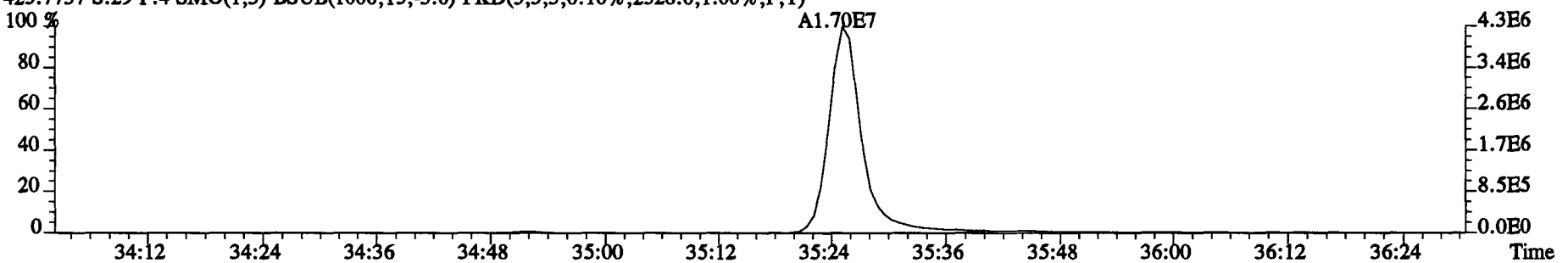
419.8220 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9676.0,1.00%,F,T)



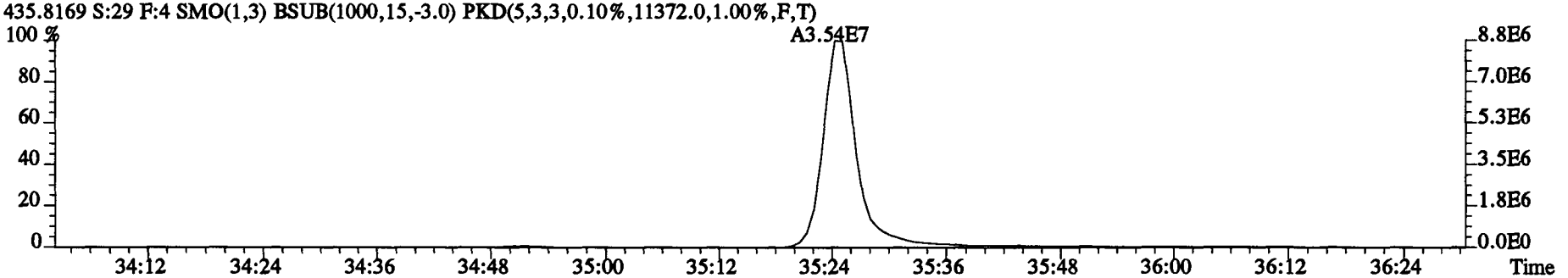
File:24AP104D5 #1-198 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A
423.7766 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)



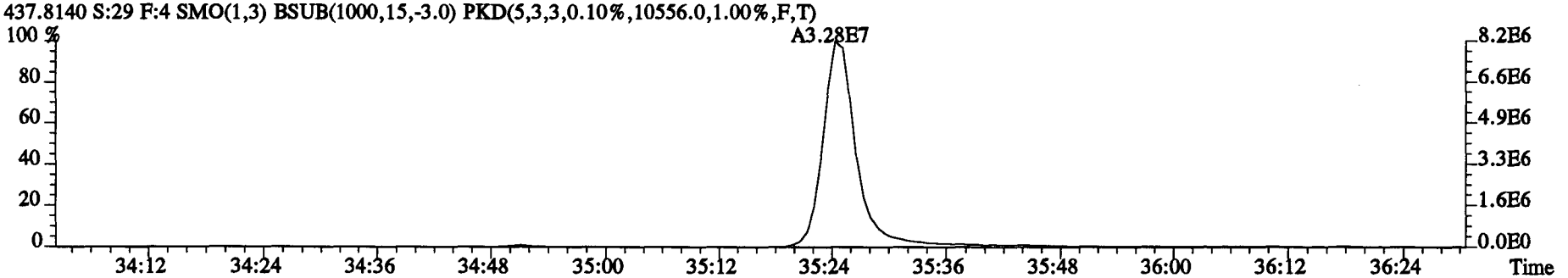
425.7737 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2528.0,1.00%,F,T)



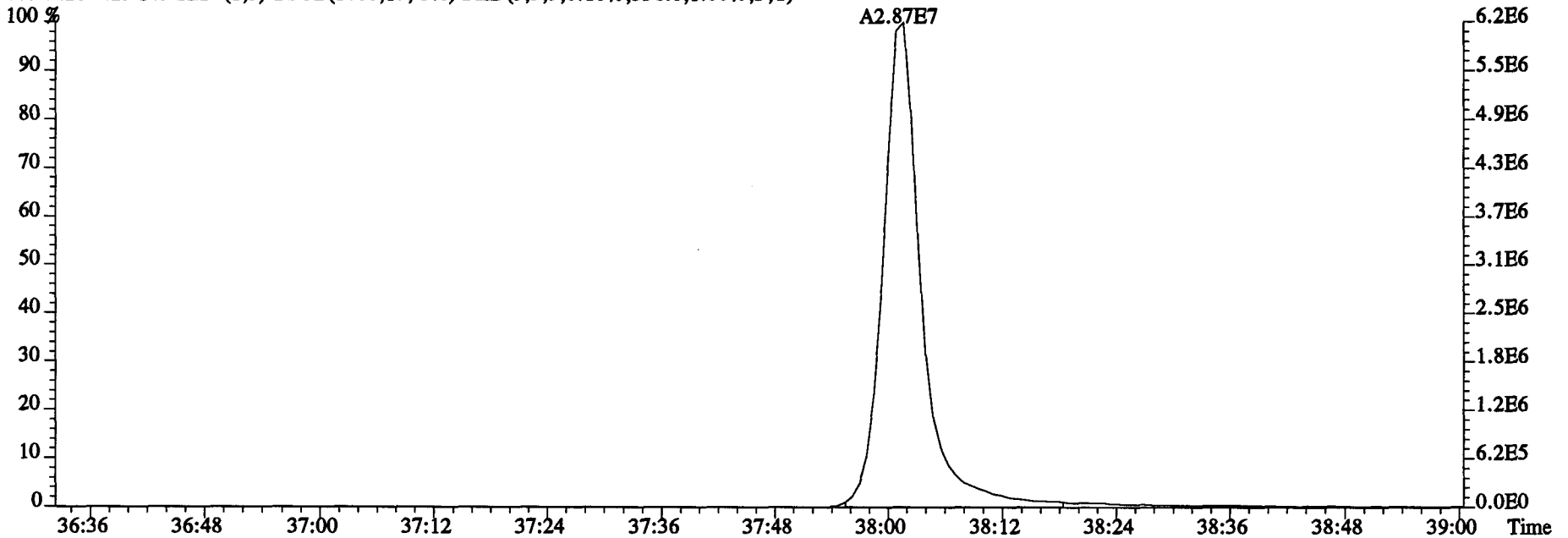
435.8169 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11372.0,1.00%,F,T)



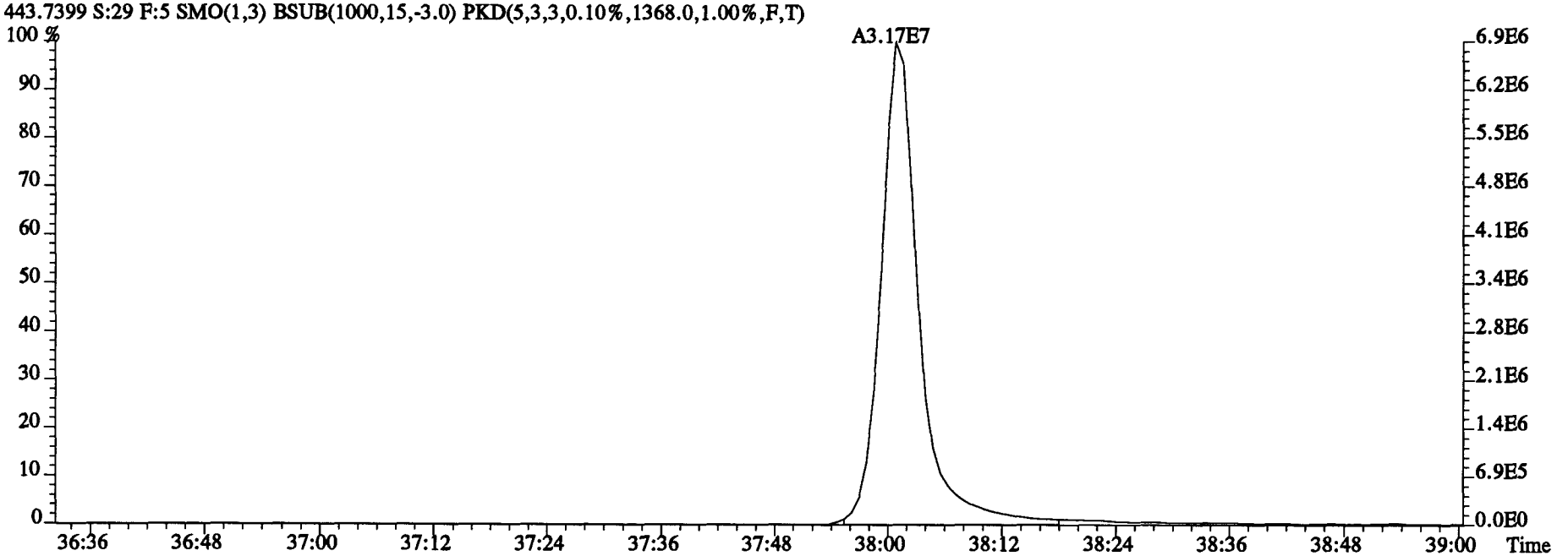
437.8140 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10556.0,1.00%,F,T)



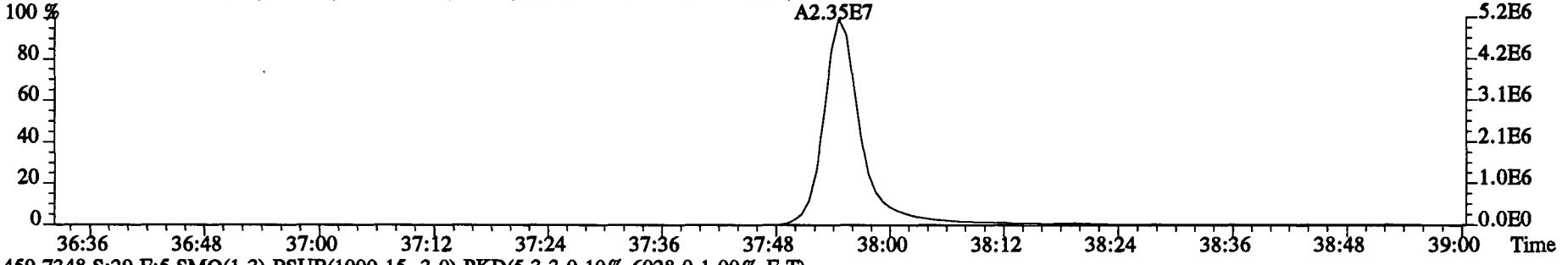
File:24AP104D5 #1-190 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,336.0,1.00%,F,T)

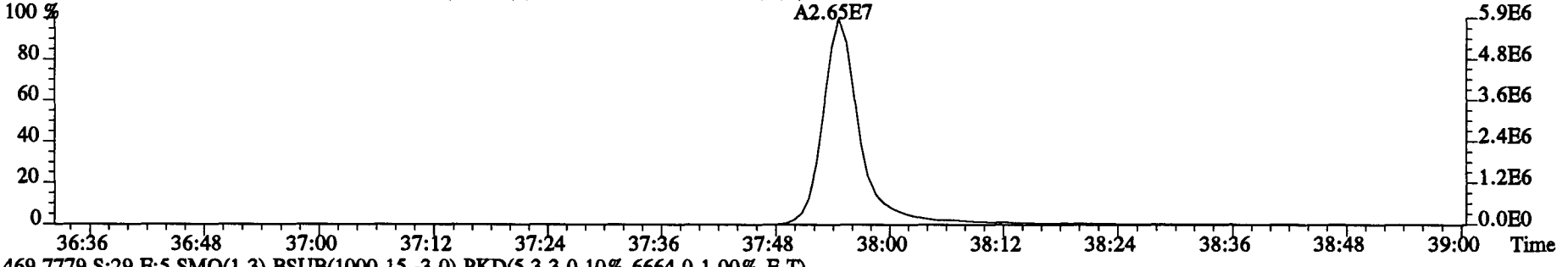


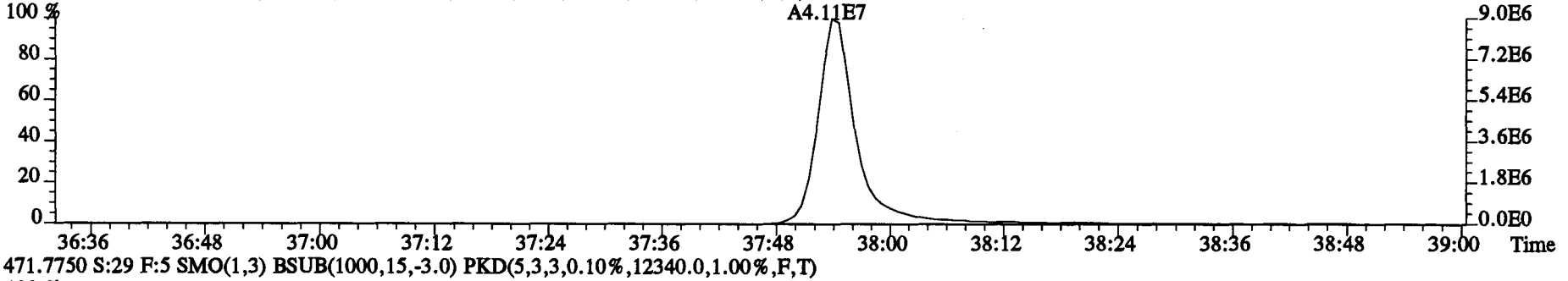
443.7399 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)

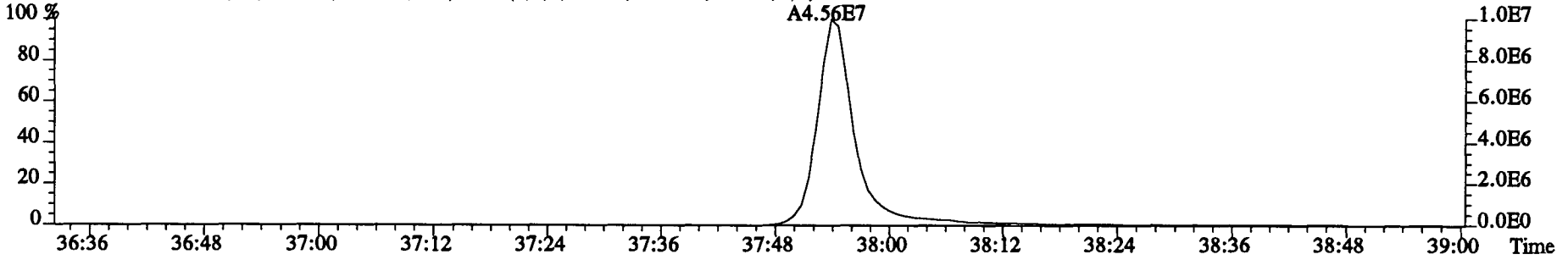


File:24AP104D5 #1-190 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

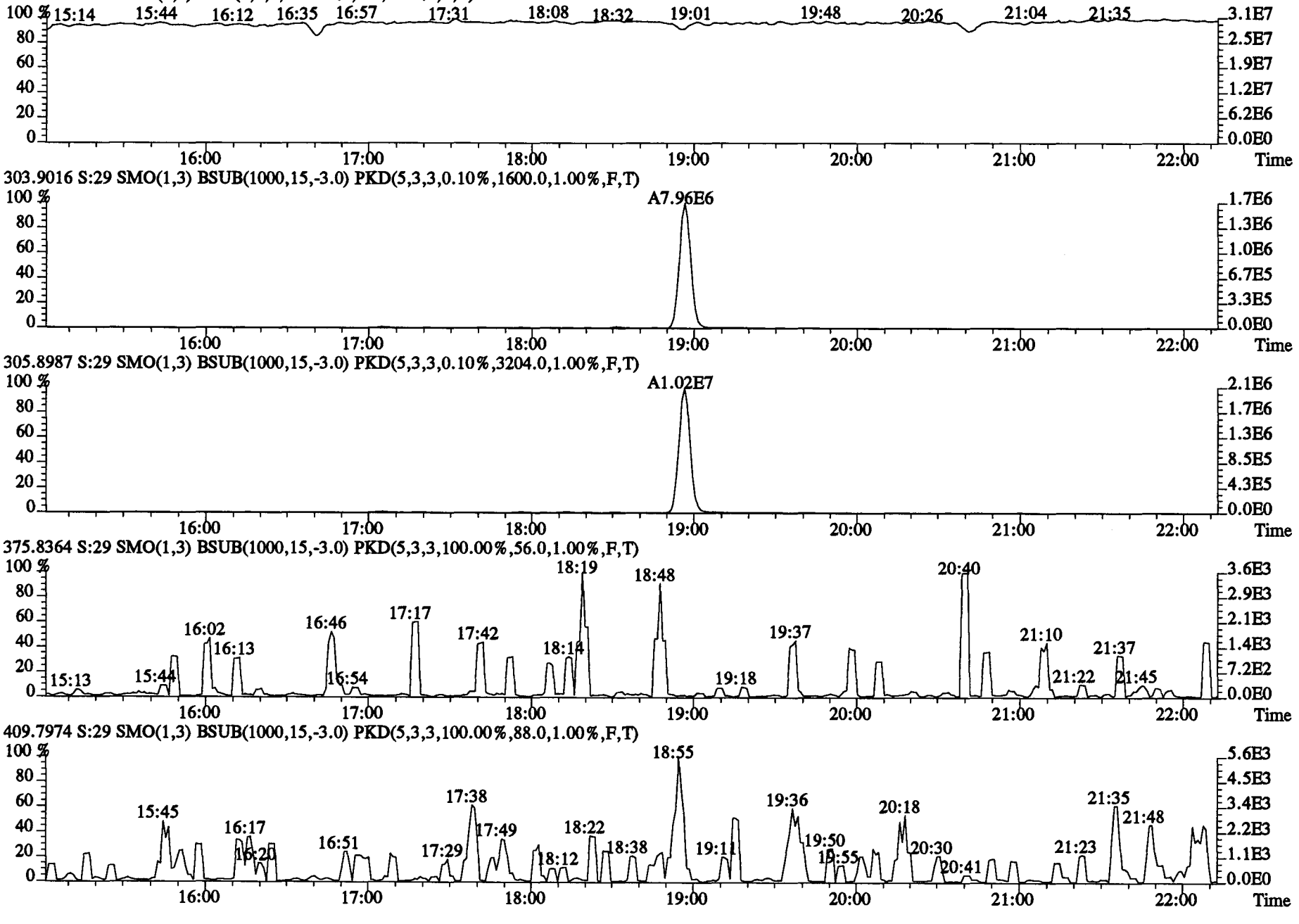




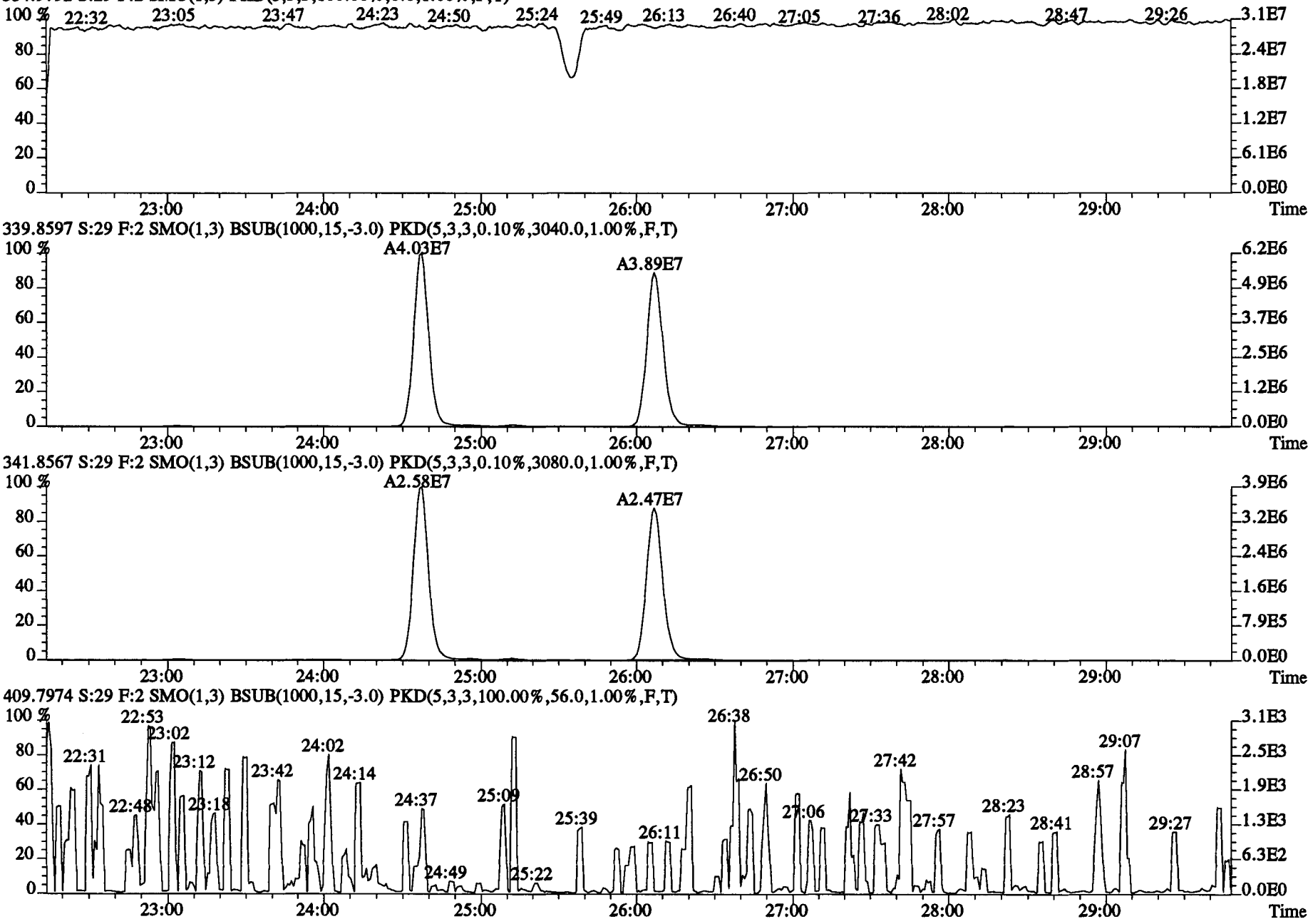




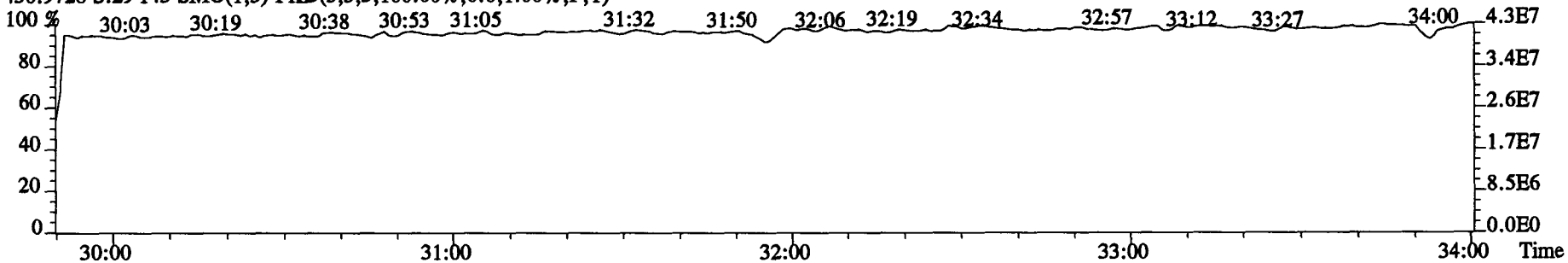
File:24AP104D5 #1-434 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

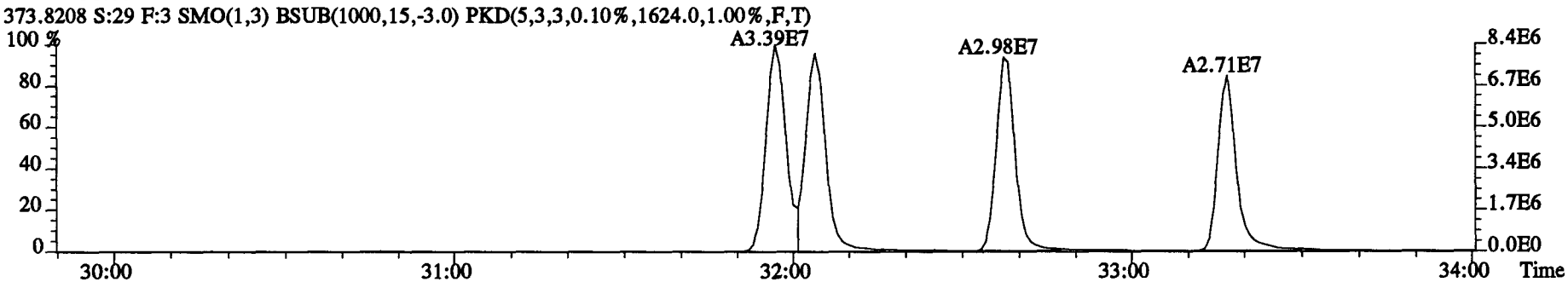


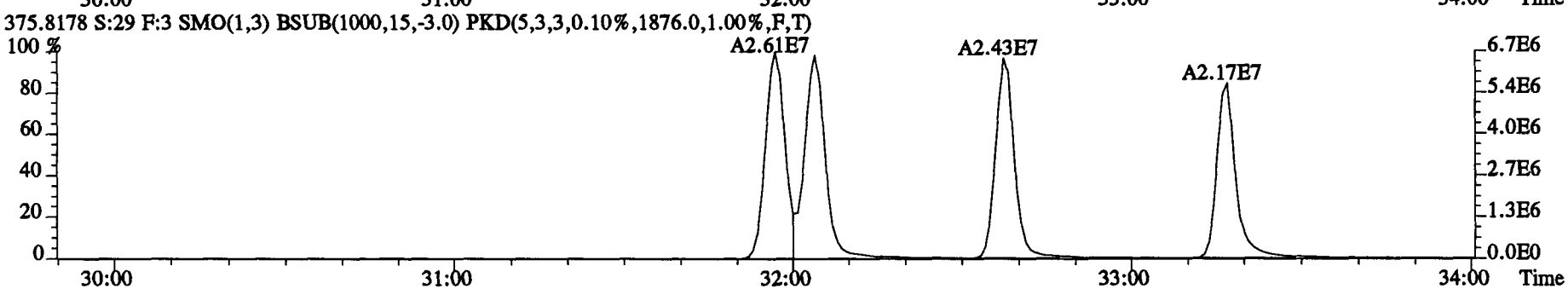
File:24AP104D5 #1-604 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

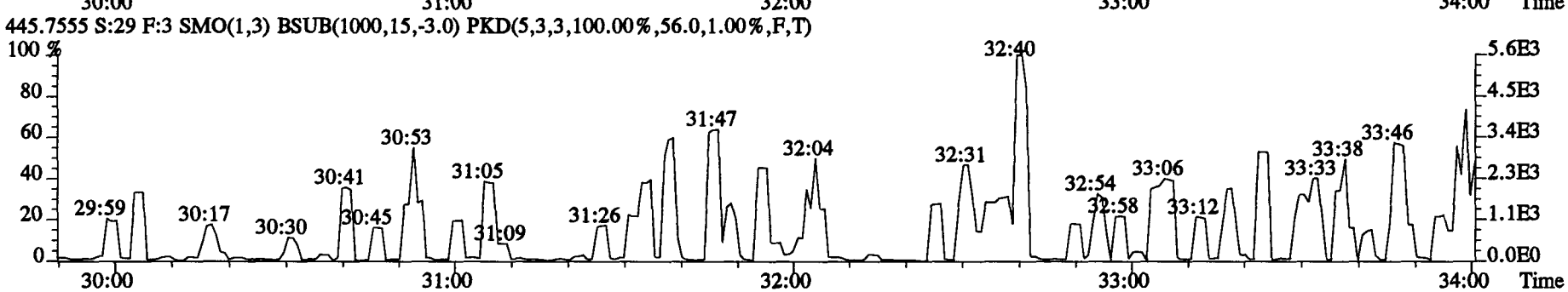


File:24AP104D5 #1-317 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

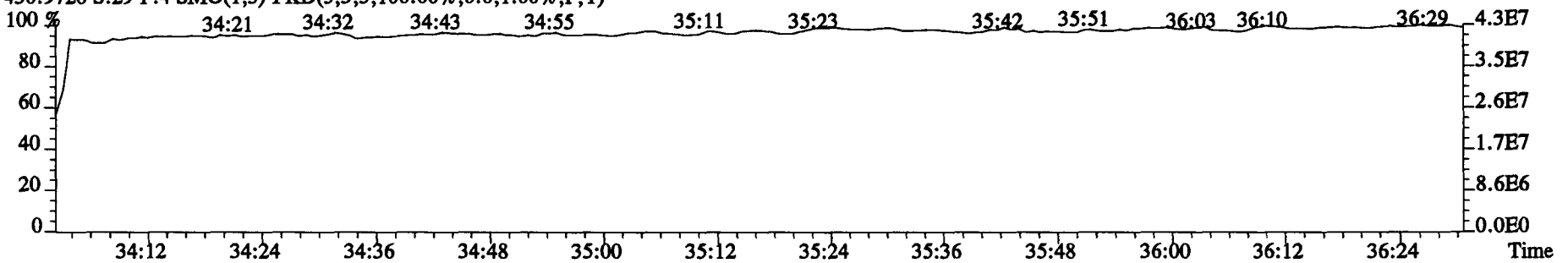


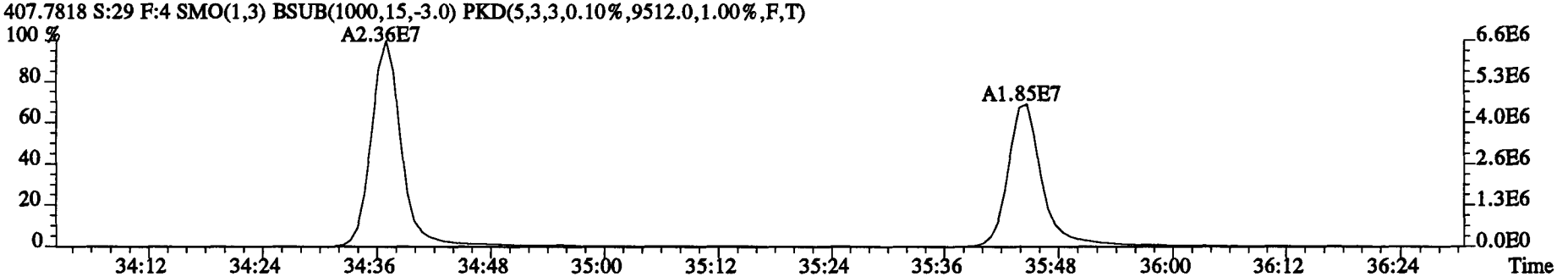


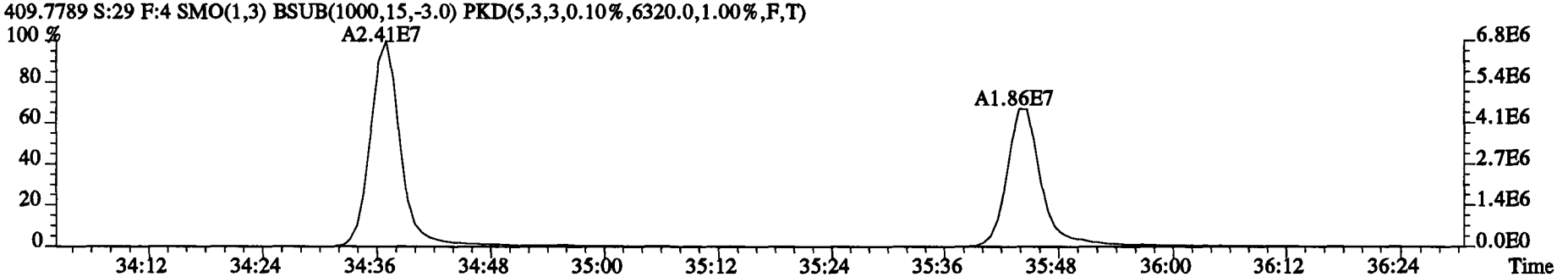


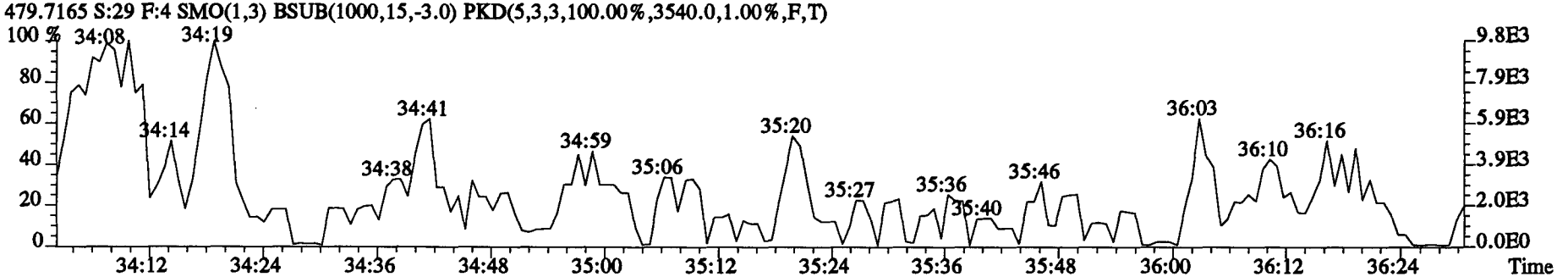


File:24AP104D5 #1-198 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A

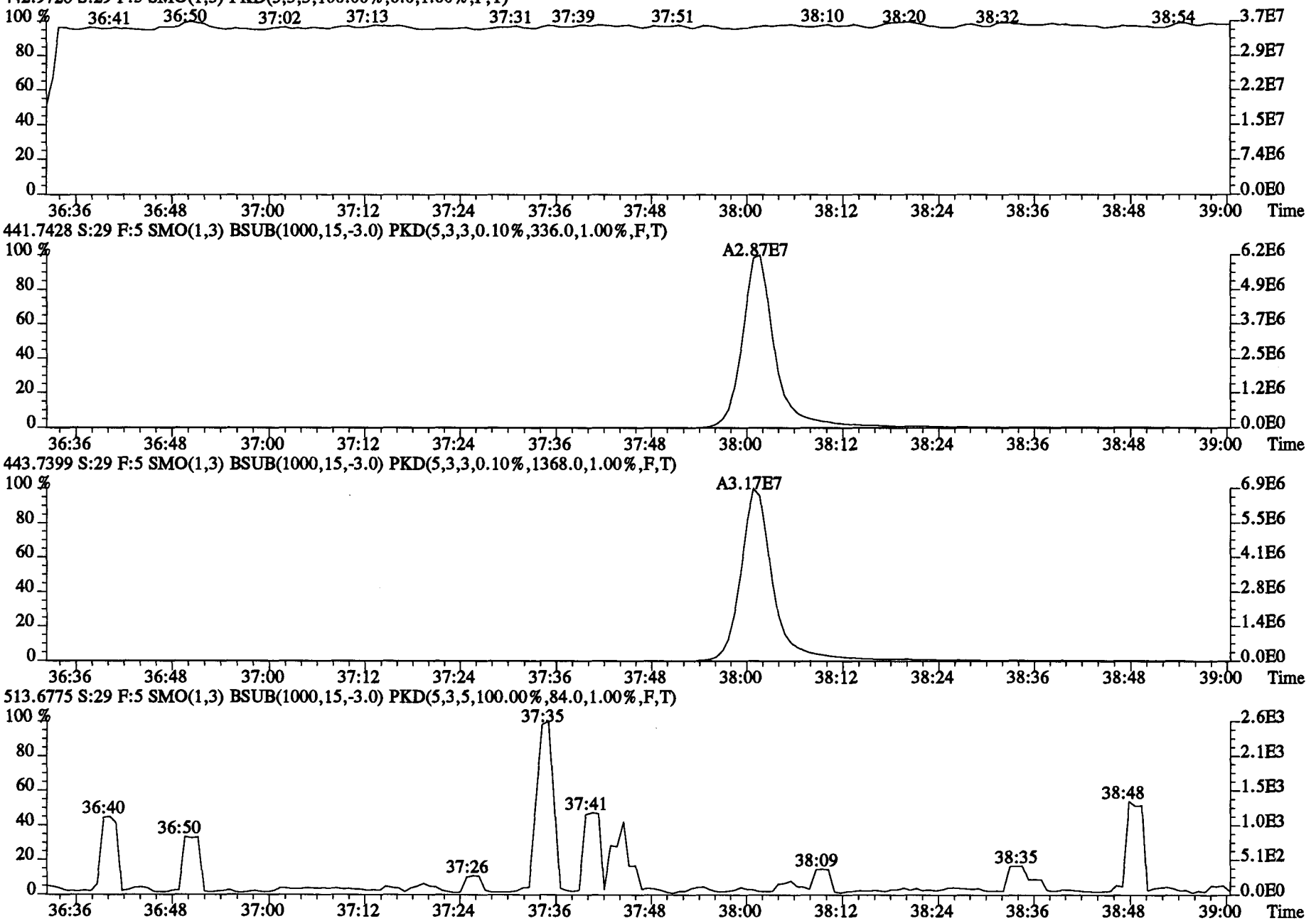








File:24AP104D5 #1-190 Acq:25-APR-2010 05:42:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:ST0424B :CS3 10DXN083 Exp:DIOXINRES8290A



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Daily Calibration Checklist
Dioxin Methods

Method ID DB225 (8290) **Associated ICAL** DB225042110SD2

Column ID DB225 **Instrument ID** 5D2

STD ID ST0428, ST0428A **STD Solution** 10DXN111

Analyzed by KSS **Date Analyzed** 04-28-10

Std. Pkg. By AS **Date Std. Pkg. Assembled** 04-29-10

Std. Pkg. Reviewed By KSS **Date Std. Pkg. Reviewed** 4/29/10

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: ST0428 File text: ST0428 :CS3 10DXN111
Run #6 Filename 28AP105D2 S: 1 I: 1
Acquired: 28-APR-10 09:29:38 Processed: 28-APR-10 16:11:35
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results:

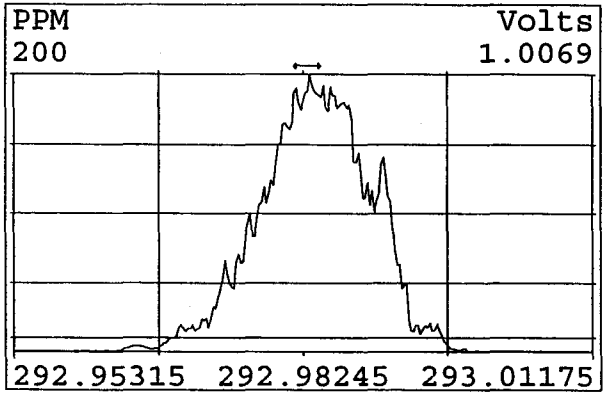
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	85836156	0.76 y	15:01	-	100.00	-	n
13C-2,3,7,8-TCDF	159388152	0.80 y	16:13	1.86	100.00	-11.8	n
2,3,7,8-TCDF	17408857	0.81 y	16:14	1.09	10.00	0.3	n
13C-2,3,7,8-TCDD	86717344	0.75 y	14:50	1.01	100.00	6.5	n
2,3,7,8-TCDD	10925574	0.84 y	14:51	1.26	10.00	-7.2	n
37Cl-2,3,7,8-TCDD	18920286	1.00 y	14:51	2.20	10.00	-3.2	n

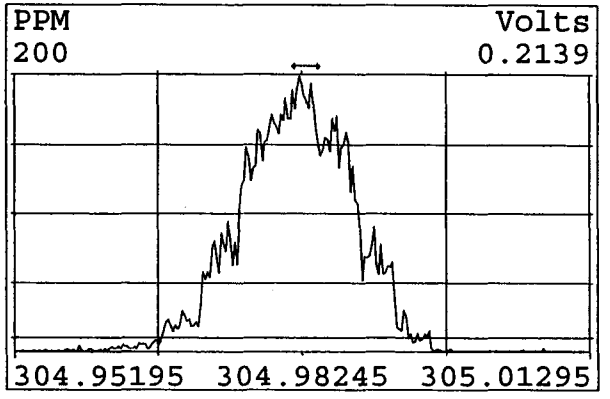
Run text: ST0428A File text: ST0428A :CS3 10DXN111
Run #19 Filename 28AP105D2 S: 16 I: 1
Acquired: 28-APR-10 18:49:33 Processed: 28-APR-10 19:39:55
Run: 28AP105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 28AP105D2DB225

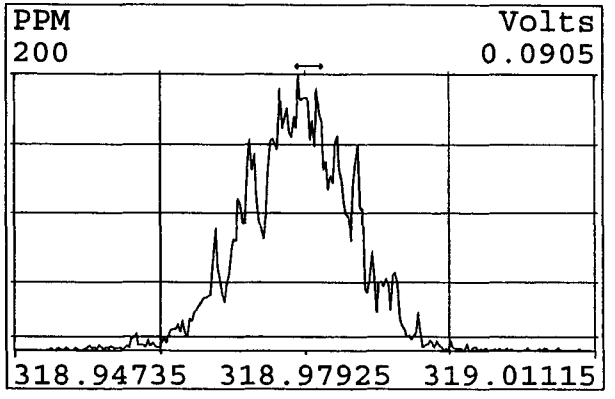
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	103770300	0.77	y	14:57	-	100.00	-	n
13C-2,3,7,8-TCDF	181150000	0.82	y	16:08	1.75	100.00	-17.1	n
2,3,7,8-TCDF	19425110	0.82	y	16:10	1.07	10.00	-1.5	n
13C-2,3,7,8-TCDD	99848900	0.75	y	14:45	0.96	100.00	1.4	n
2,3,7,8-TCDD	12658020	0.83	y	14:47	1.27	10.00	-6.6	n
37Cl-2,3,7,8-TCDD	21864200	1.00	y	14:47	2.11	10.00	-7.5	n

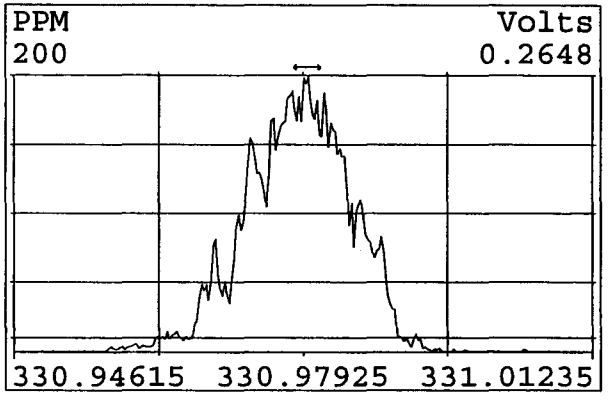
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
28AP105D2	1	ST0428	CS3 10DXN111				1.000	
28AP105D2	2	CP0428	DB-225 CPSM 3732-06				1.000	
28AP105D2	3	SB0428	Solvent Blank C-14				1.000	
28AP105D2	4	LXXKQ-1-AD	G0D140422-3	10	8290/SOLID	73	10.220	g
28AP105D2	5	LXXKG-1-AD	G0D140422-1	10	8290/SOLID		10.320	g
28AP105D2	6	LXXLD-1-AD	G0D140422-9	10	8290/SOLID		10.240	g
28AP105D2	7	LXXK4-1-AD	G0D140422-7	10	8290/SOLID		10.100	g
28AP105D2	8	LXXKW-1-AD	G0D140422-5	10	8290/SOLID		10.210	g
28AP105D2	9	LXXLV-1-AD	G0D140422-11	10	8290/SOLID		10.040	g
28AP105D2	10	SB0428A	Solvent Blank C-14				1.000	
28AP105D2	11	LX43P-1-AC	G0D160597-1	20	1613B/SOLID	80	10.450	g
28AP105D2	12	LXXTR-1-AD	G0D140435-4	10	8290/SOLID	75	10.030	g
28AP105D2	13	LXXQX-1-AD	G0D140435-1	10	8290/SOLID		10.580	g
28AP105D2	14	LXXTC-1-AD	G0D140435-2	10	8290/SOLID		10.320	g
28AP105D2	15	SB0428B	Solvent Blank C-14				1.000	
28AP105D2	16	ST0428A	CS3 10DXN111				1.000	
28AP105D2	17						1.000	
28AP105D2	18						1.000	
28AP105D2	19						1.000	
28AP105D2	20		AS 04-28-10 LOGFILE v'd				1.000	
28AP105D2	21		4/29/10 KSS				1.000	

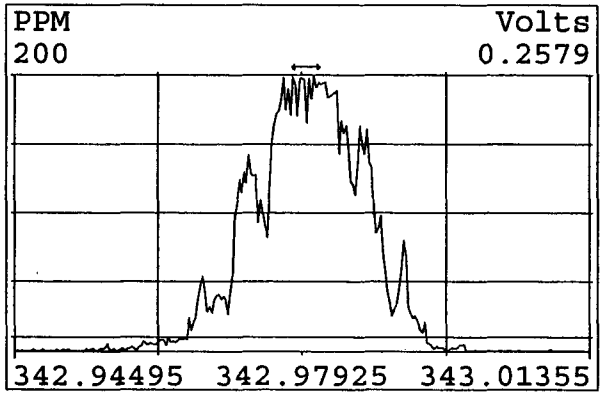
Peak Locate Examination:28-APR-2010:09:28 File:28AP105D2
Experiment:DB225RES Function:1 Reference:PFK

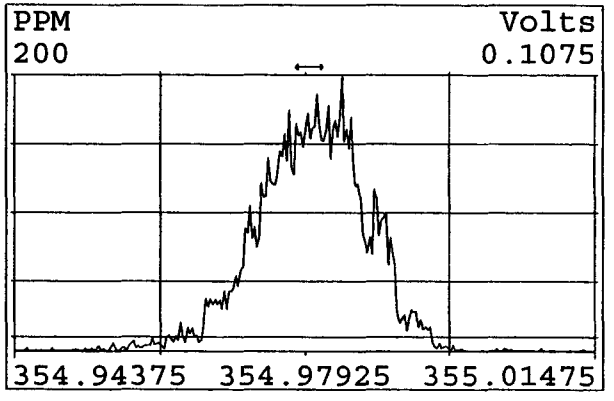


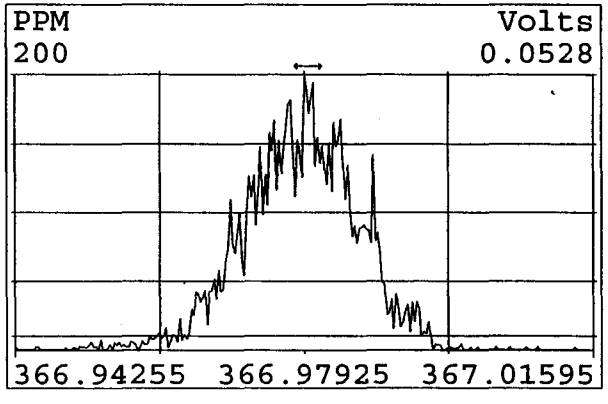


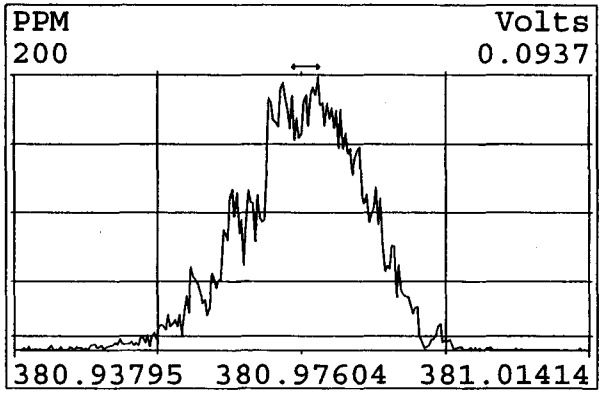




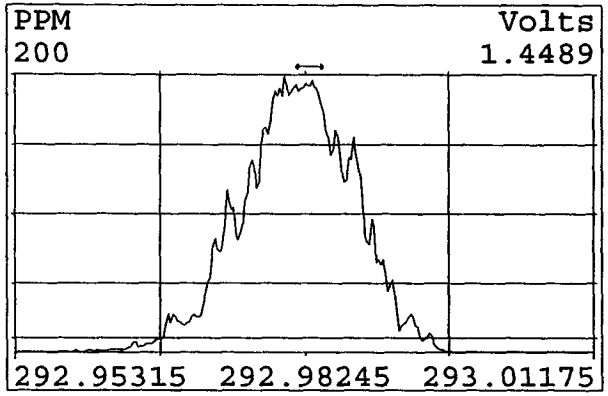


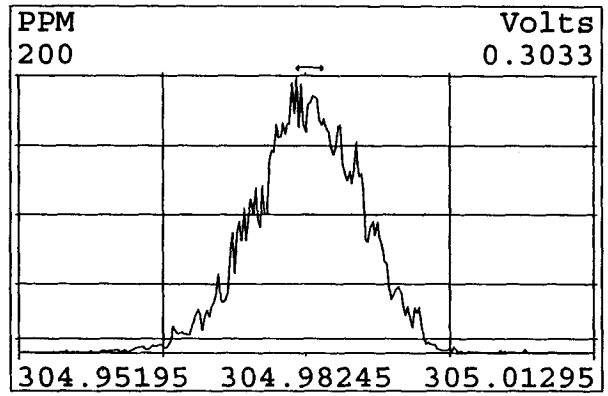


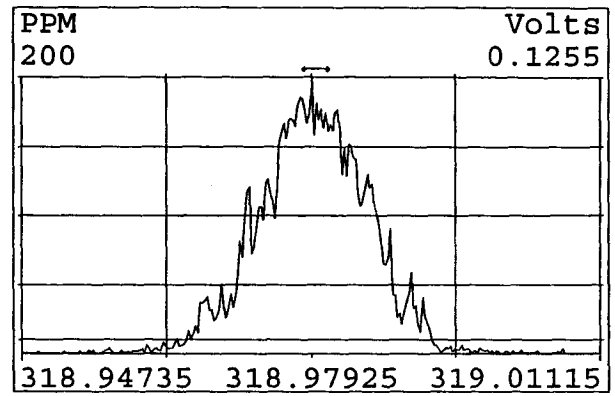


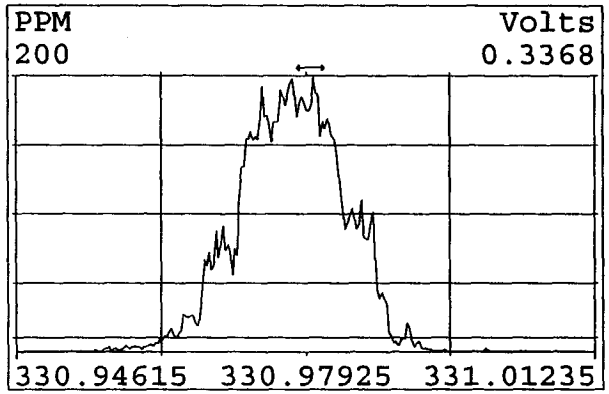


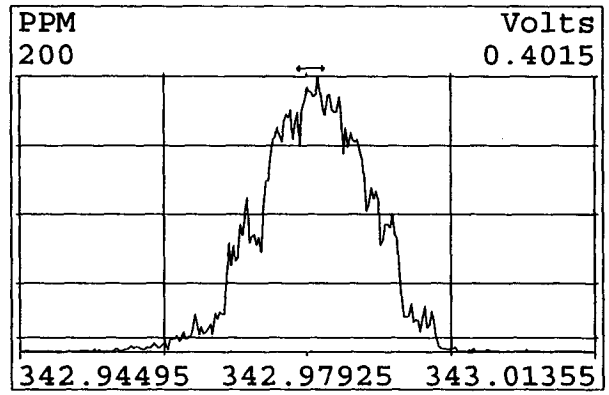
Peak Locate Examination:28-APR-2010:19:50 File:RESCHK28AP105D2
Experiment:DB225RES Function:1 Reference:PFK

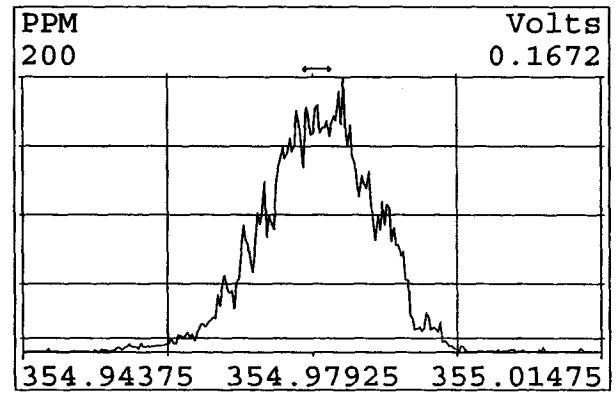


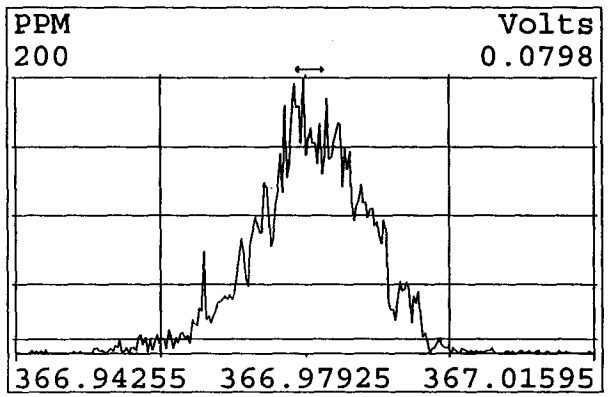


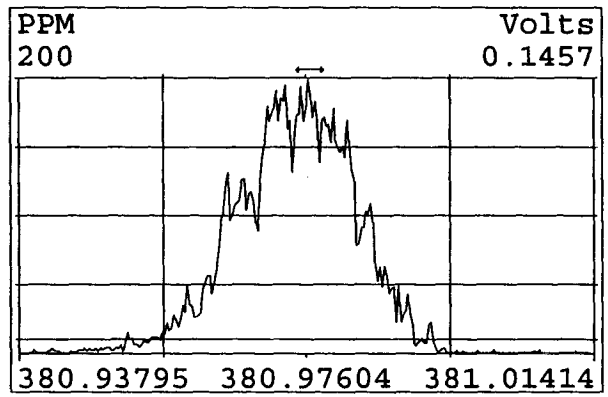




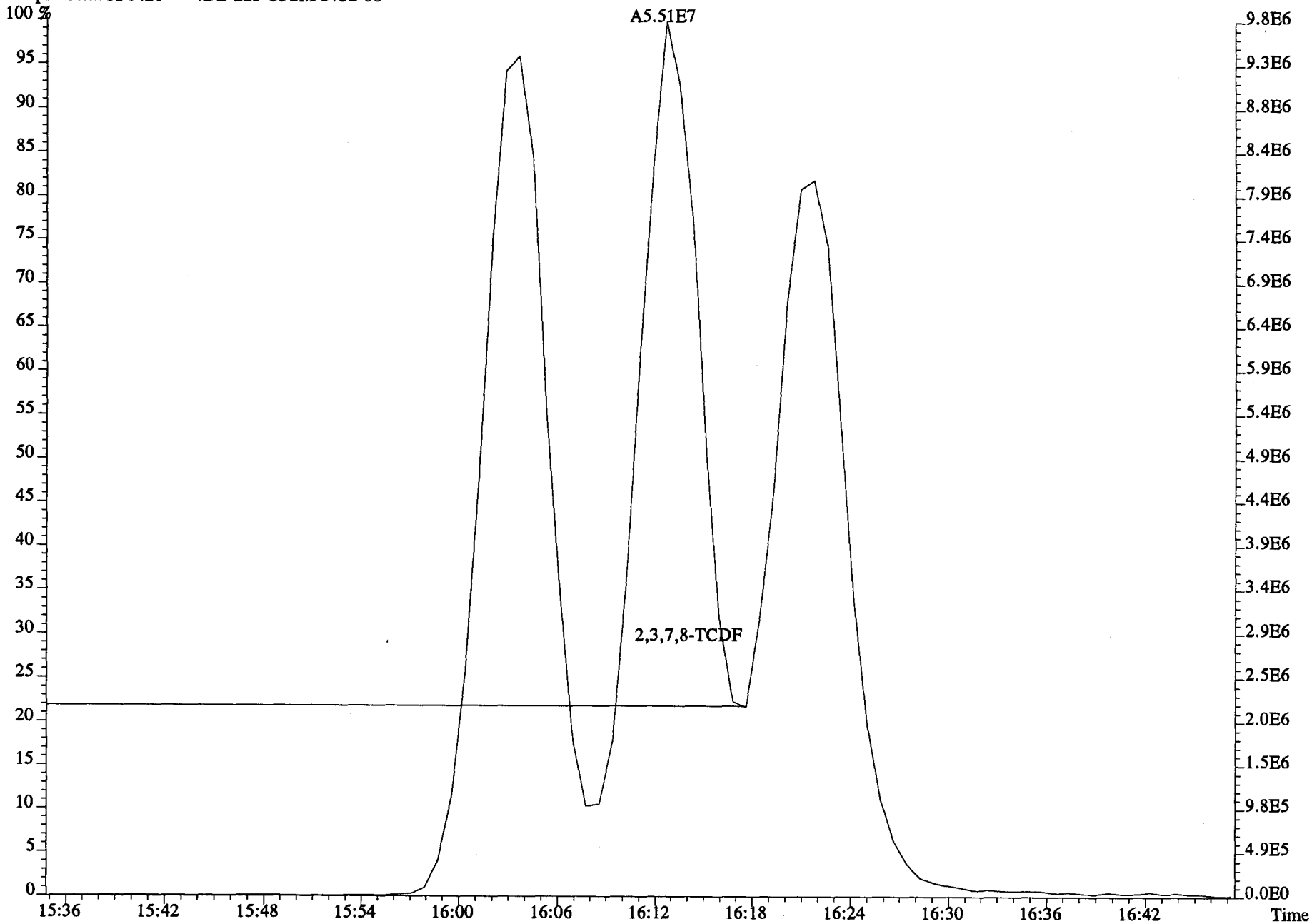








File:28AP105D2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
303.9016 S:2 BSUB(1000,15,-3.0) Exp:DB225RES Noise:844
Sample Text:CP0428 :DB-225 CPSM 3732-06

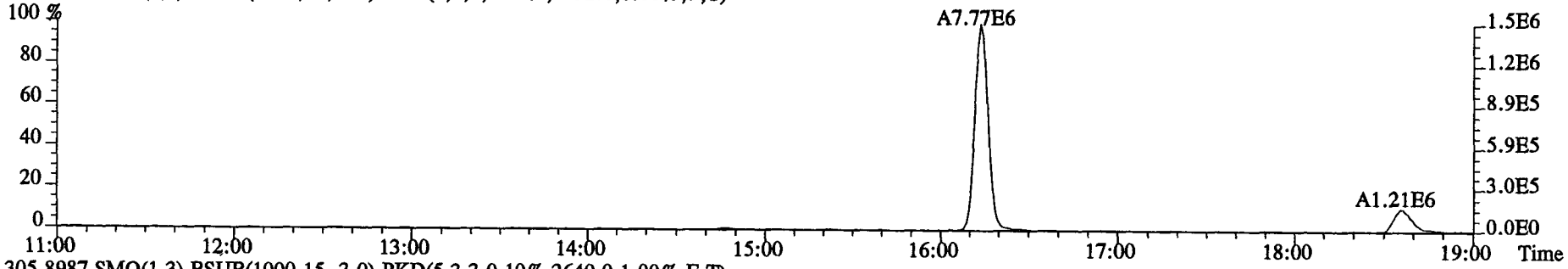


Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

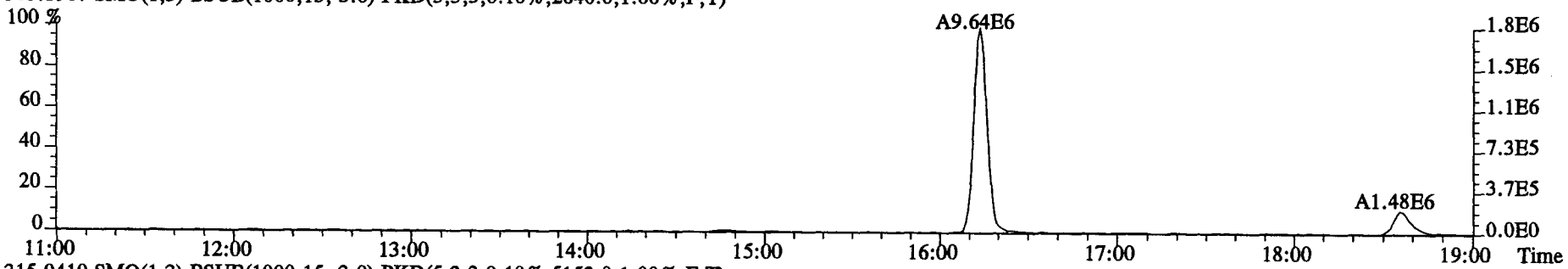
ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

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

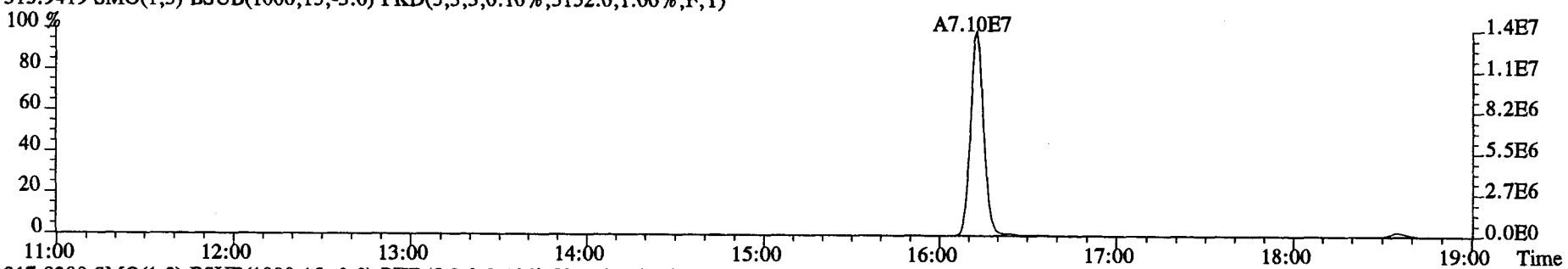
File:28AP105D2 #1-1242 Acq:28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0428 :CS3 10DXN111 Exp:DB225RES
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2032.0,1.00%,F,T)



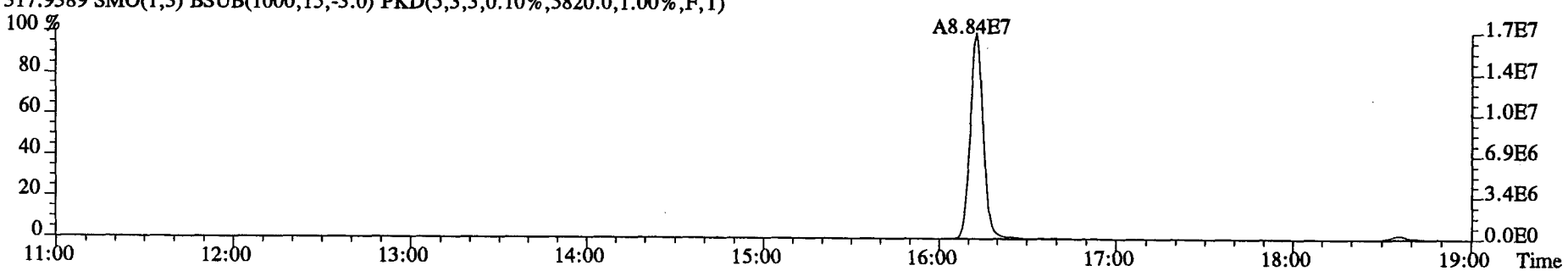
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2640.0,1.00%,F,T)



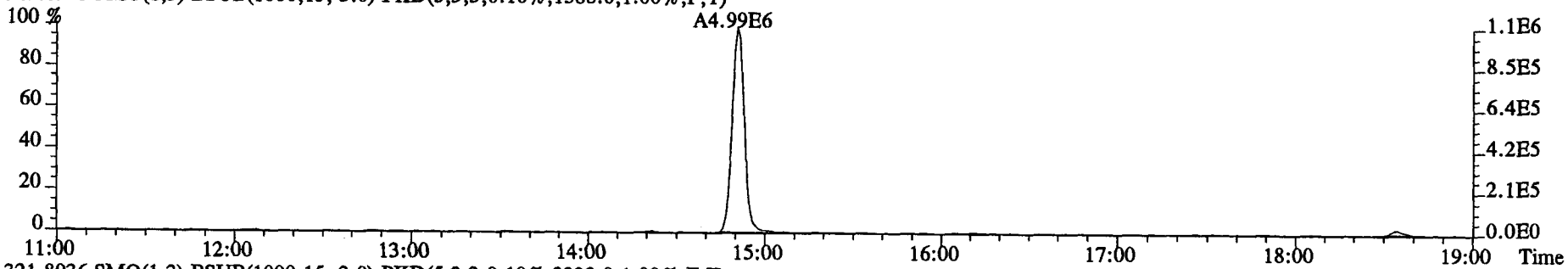
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5152.0,1.00%,F,T)



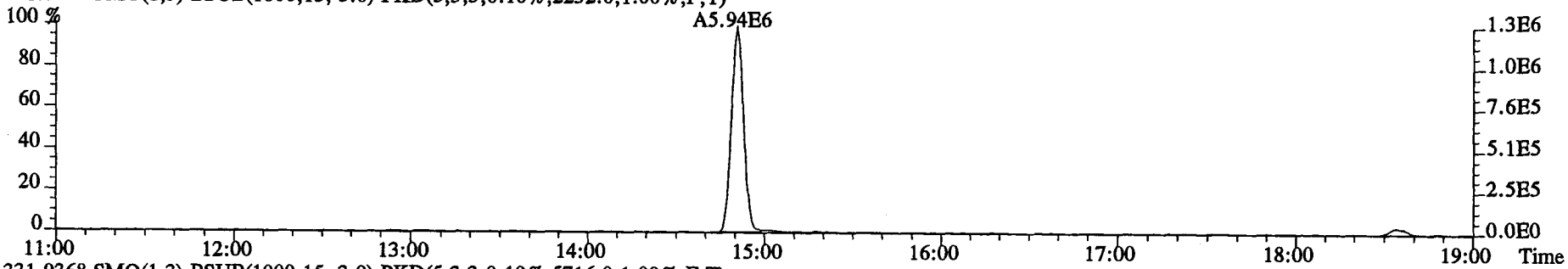
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5820.0,1.00%,F,T)



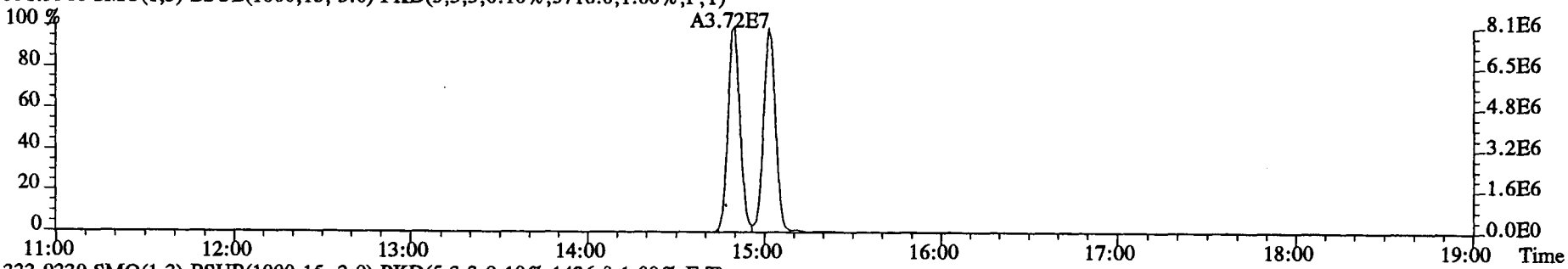
File:28AP105D2 #1-1242 Acq:28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0428 :CS3 10DXN111 Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T)



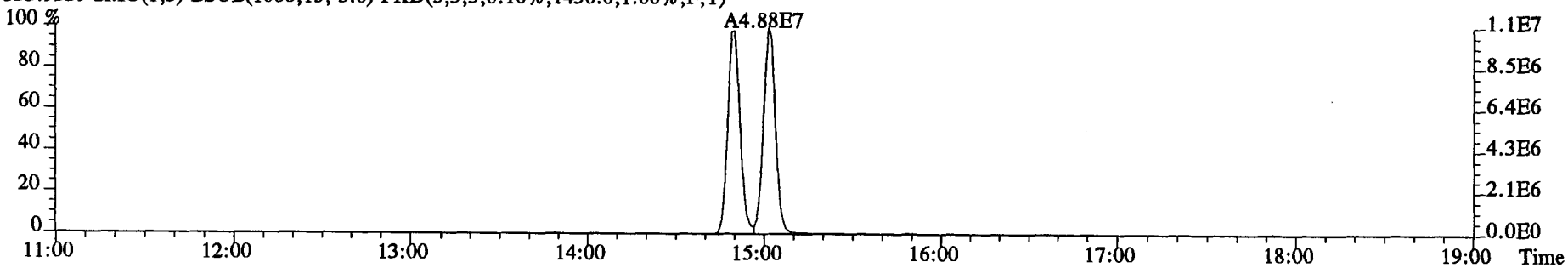
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2232.0,1.00%,F,T)



331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)

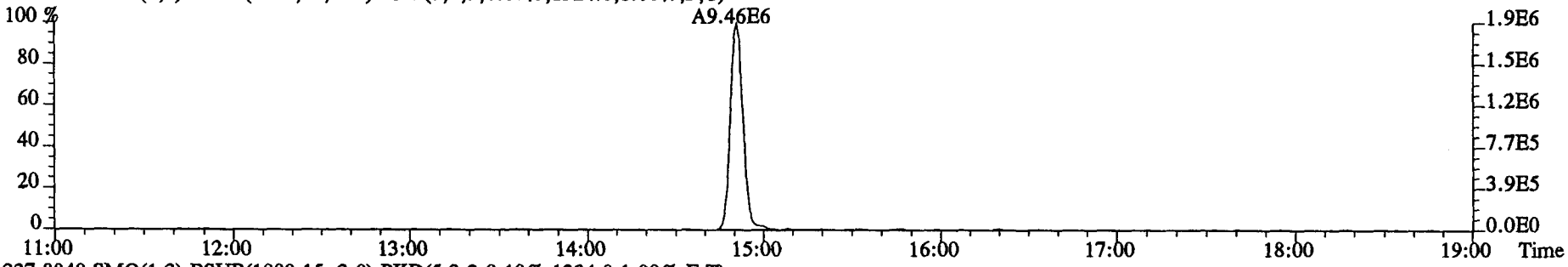


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)

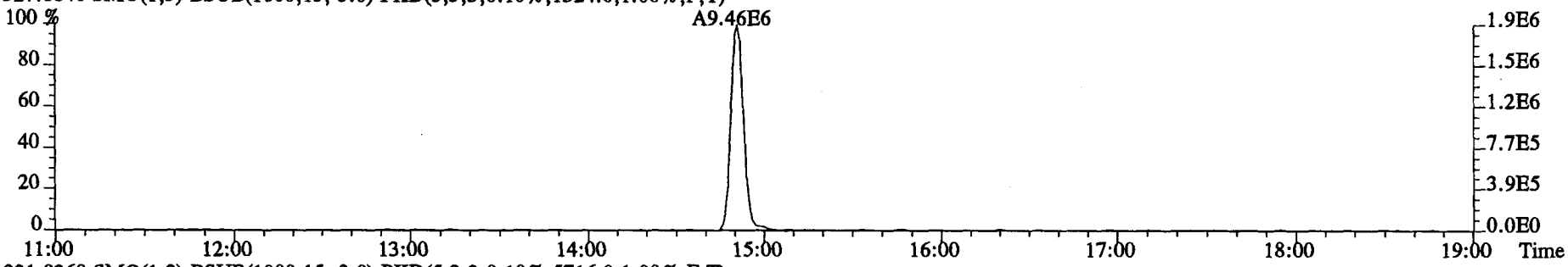


File:28AP105D2 #1-1242 Acq:28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0428 :CS3 10DXN111 Exp:DB225RES

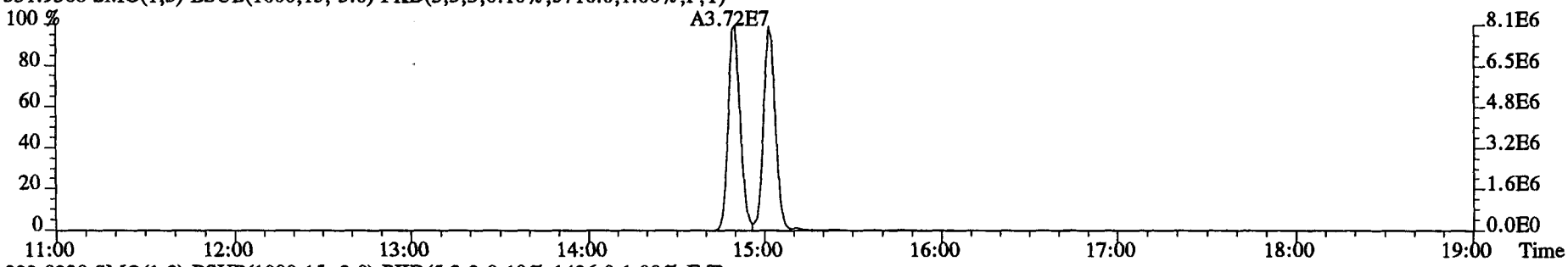
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



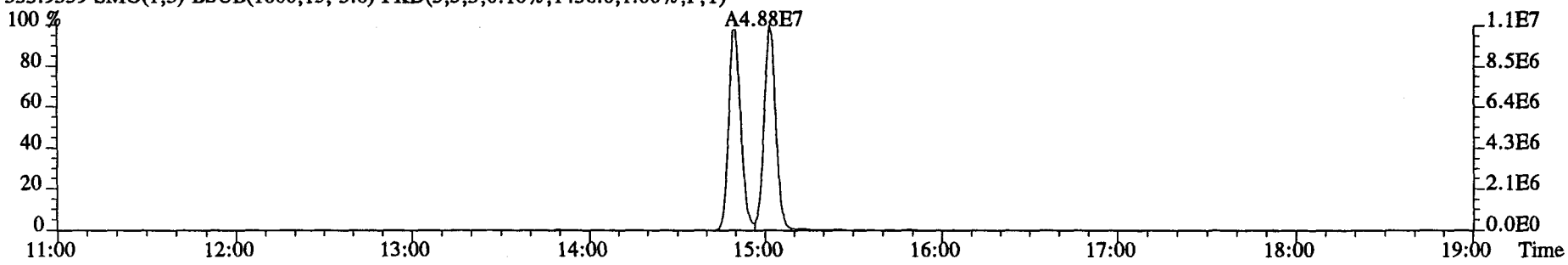
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



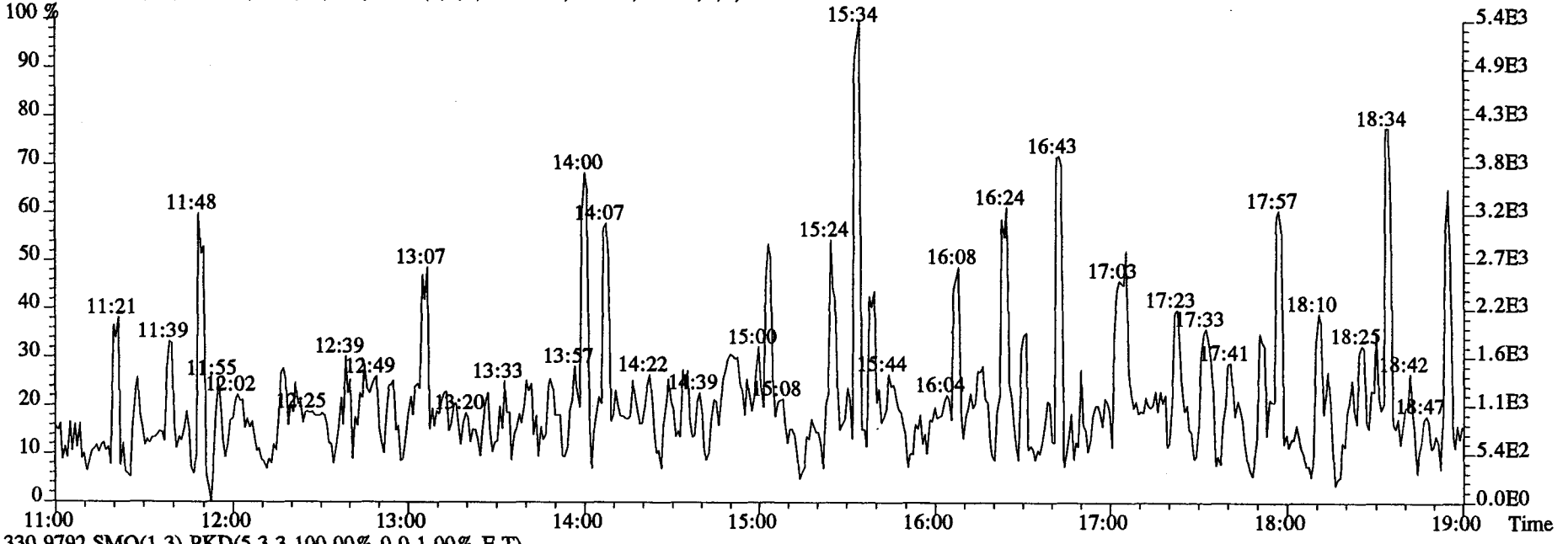
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)



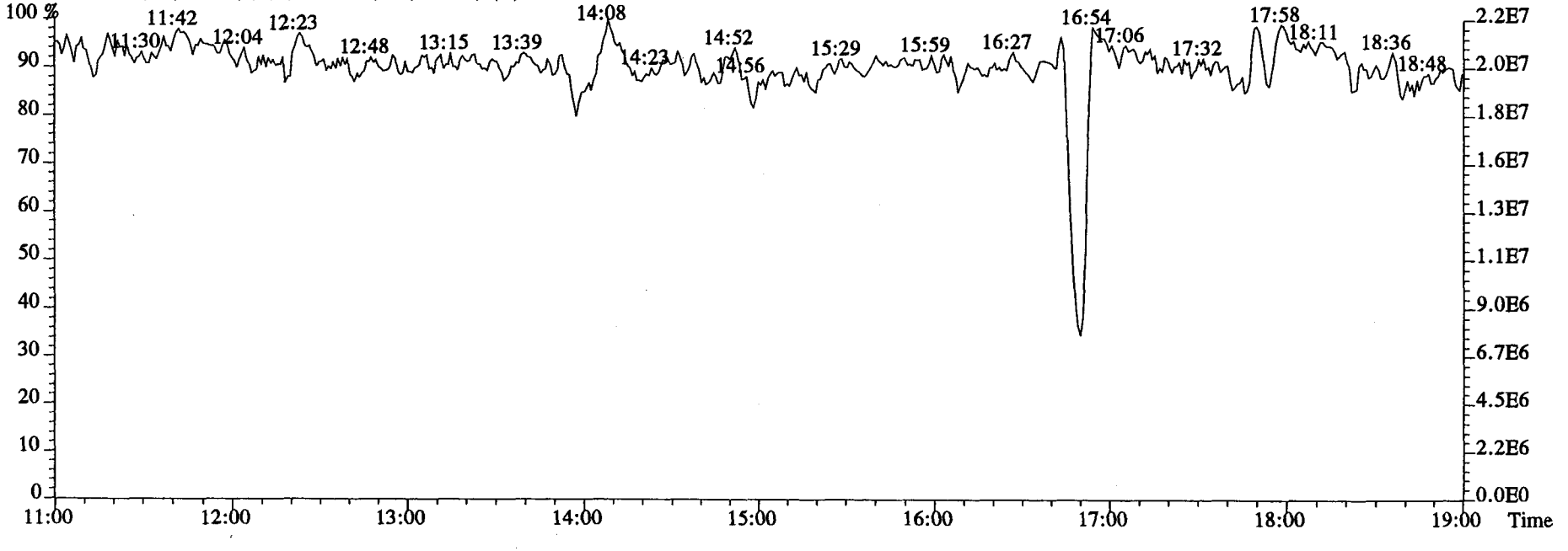
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)



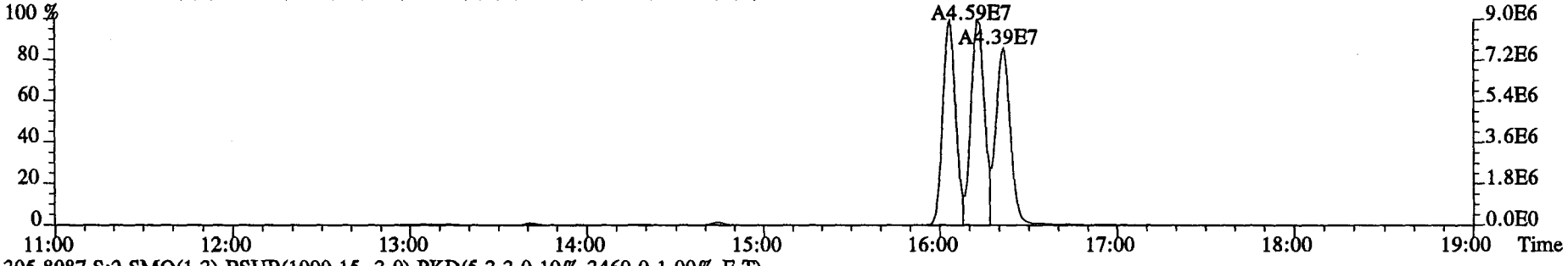
File:28AP105D2 #1-1242 Acq:28-APR-2010 09:29:38 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0428 :CS3 10DXN111 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1136.0,1.00%,F,T)



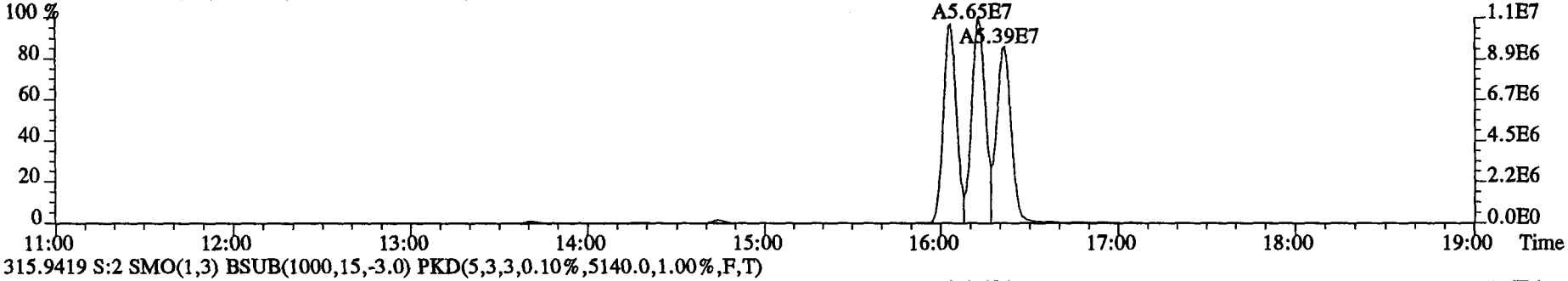
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



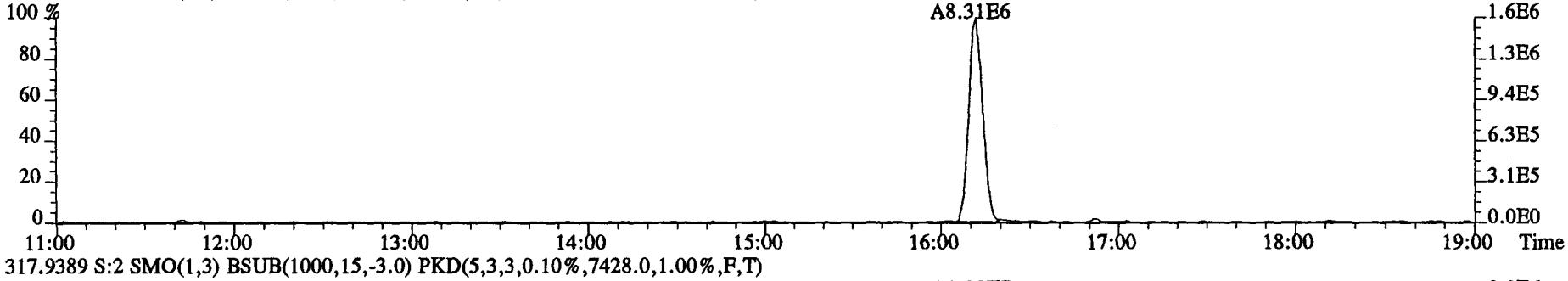
File:28AP105D2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0428 :DB-225 CPSM 3732-06 Exp:DB225RES
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T)



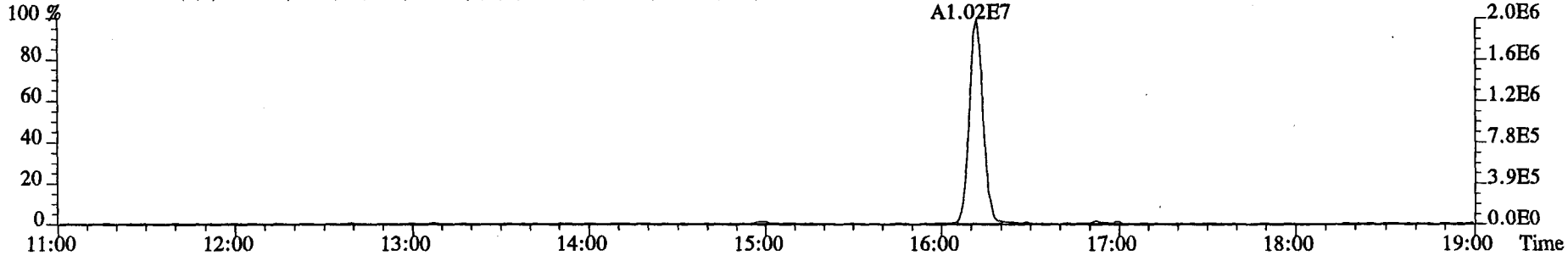
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3460.0,1.00%,F,T)



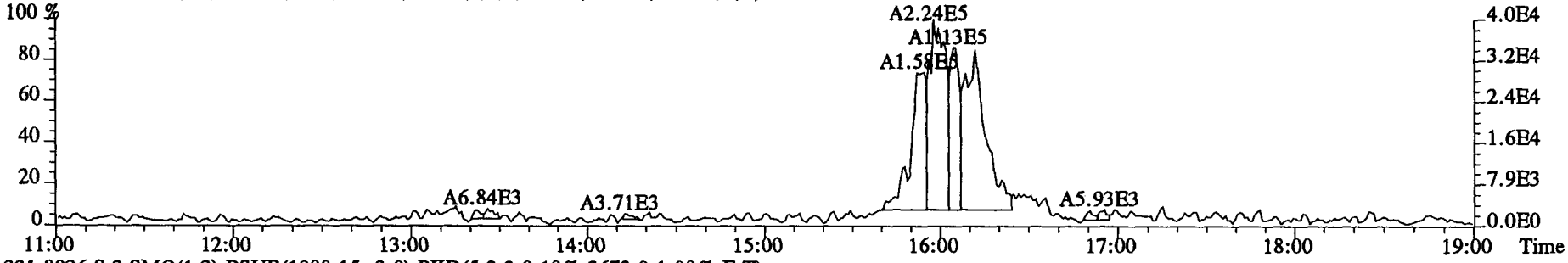
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)



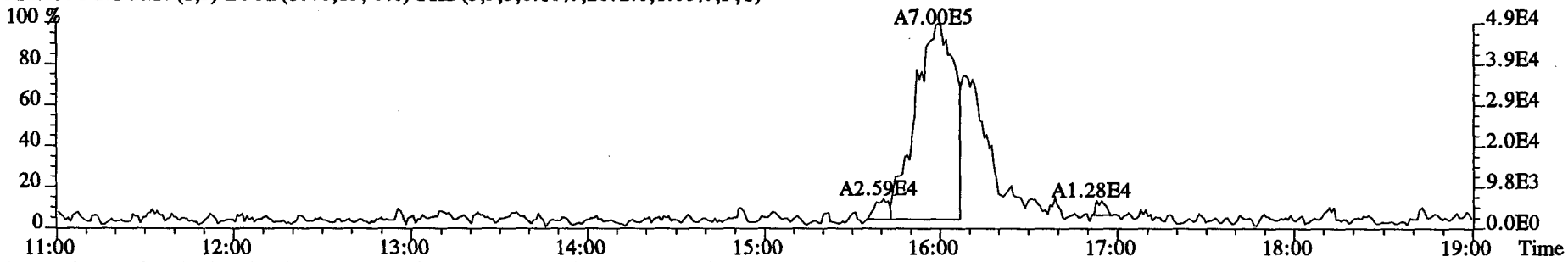
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7428.0,1.00%,F,T)



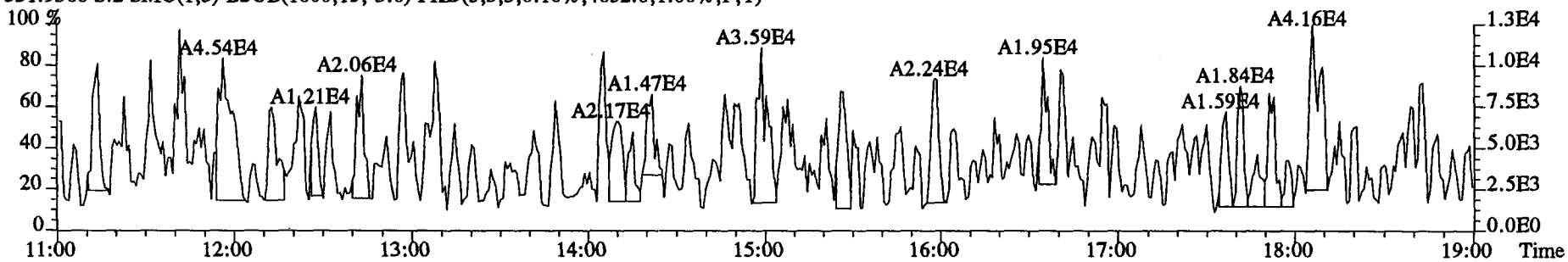
File:28AP105D2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0428 :DB-225 CPSM 3732-06 Exp:DB225RES
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1664.0,1.00%,F,T)



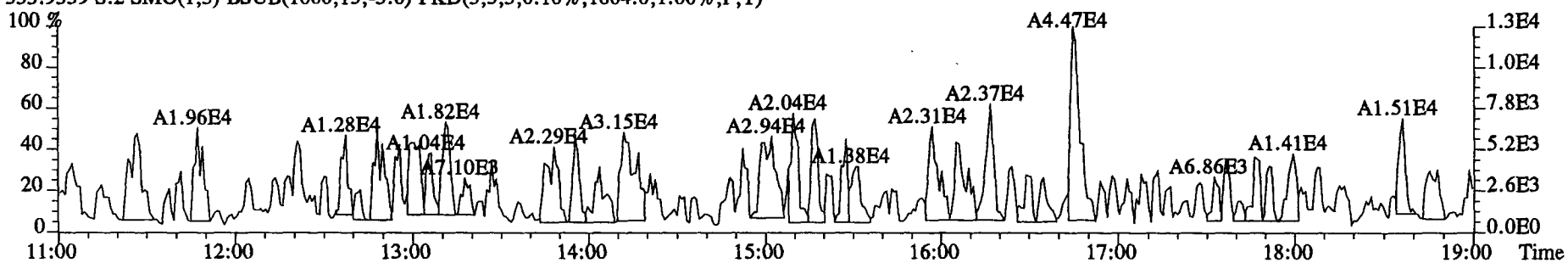
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2672.0,1.00%,F,T)



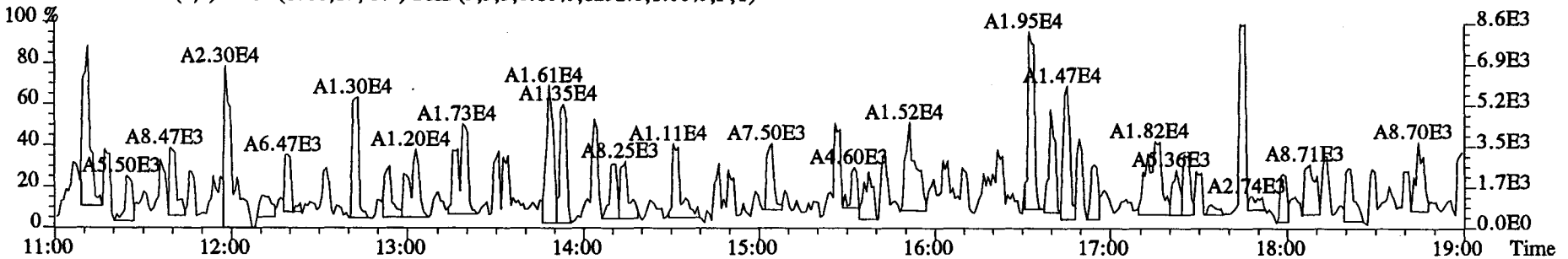
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4652.0,1.00%,F,T)



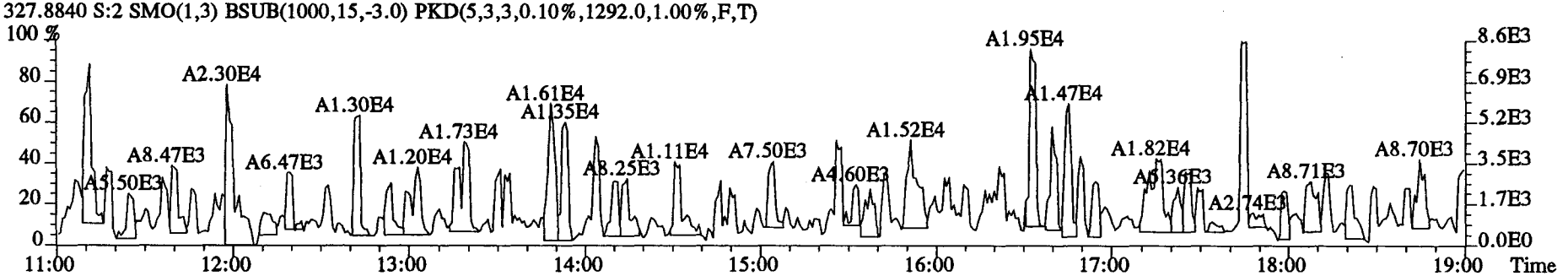
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



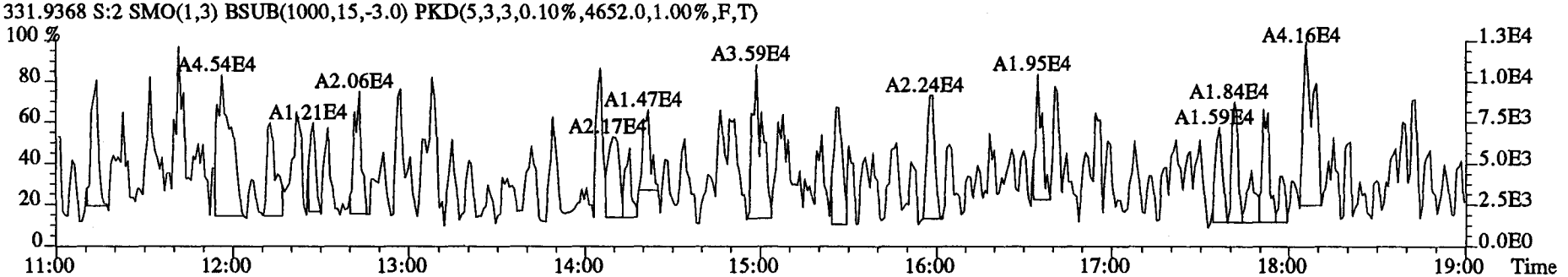
File:28AP105D2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0428 :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1292.0,1.00%,F,T)



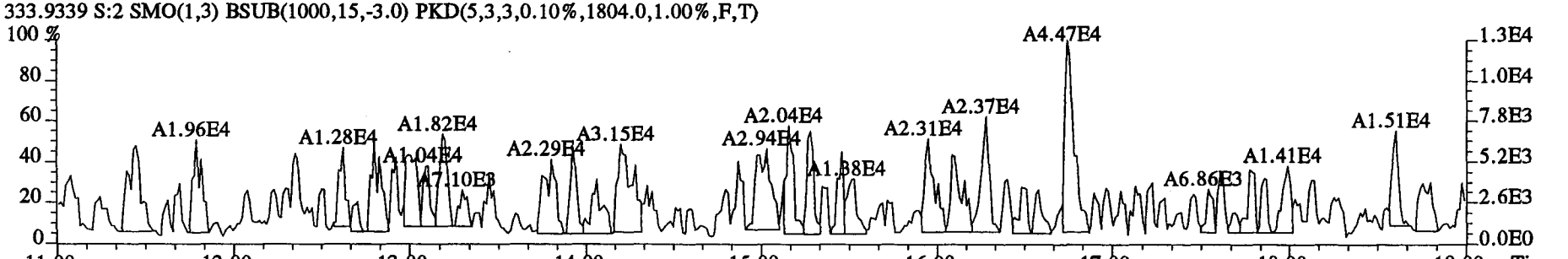
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1292.0,1.00%,F,T)



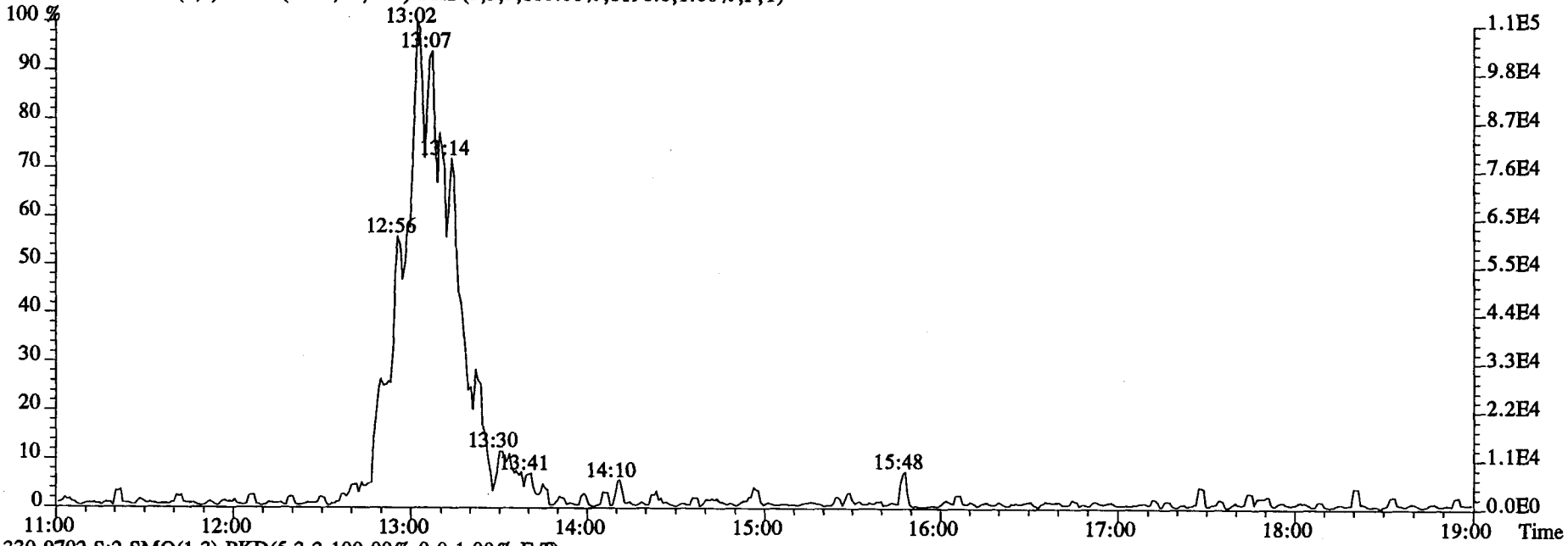
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4652.0,1.00%,F,T)



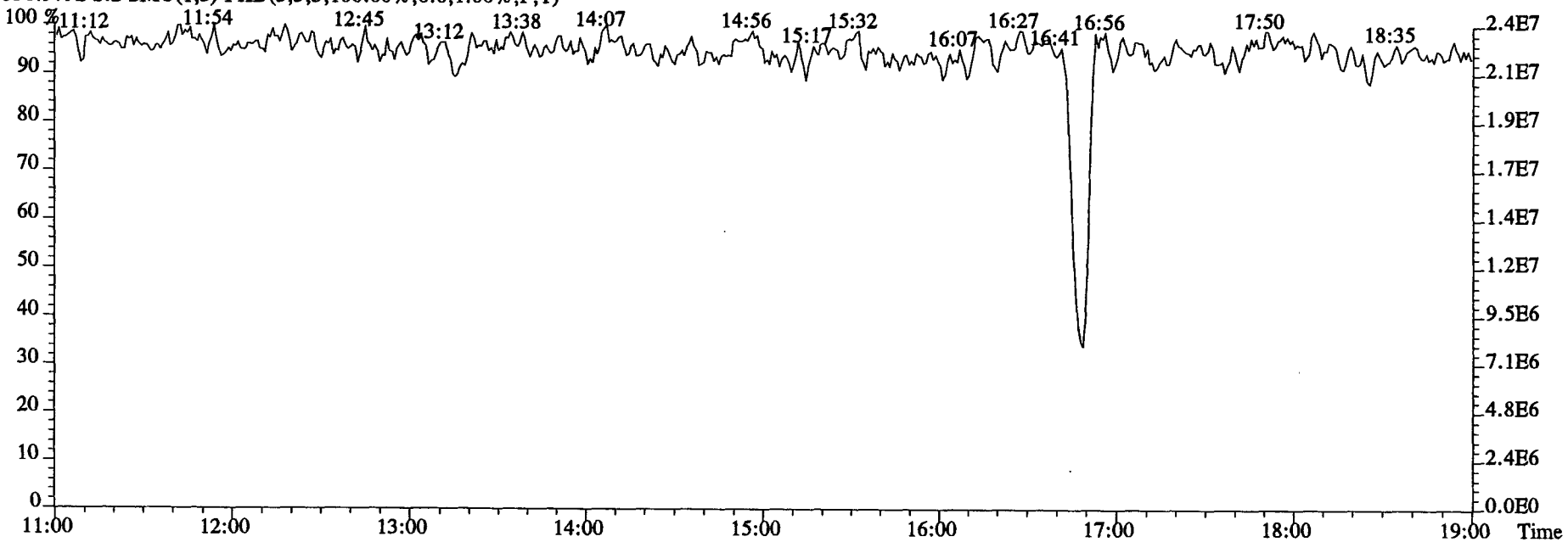
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



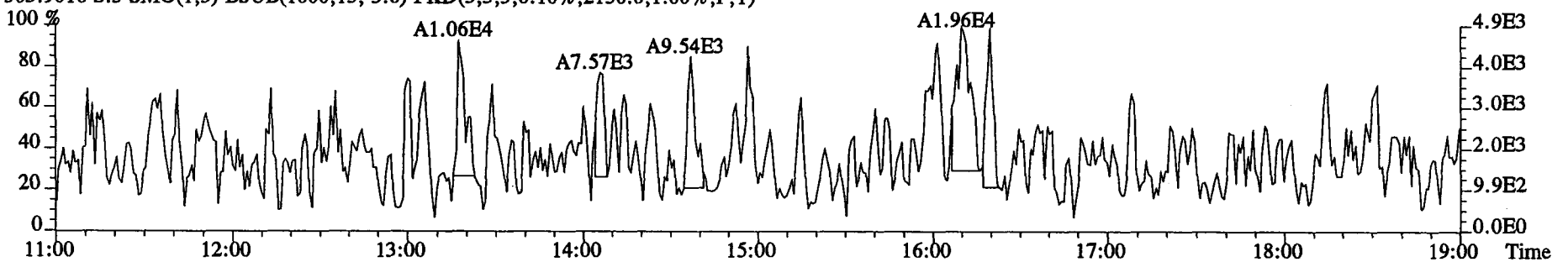
File:28AP105D2 #1-1241 Acq:28-APR-2010 10:10:16 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0428 :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1196.0,1.00%,F,T)



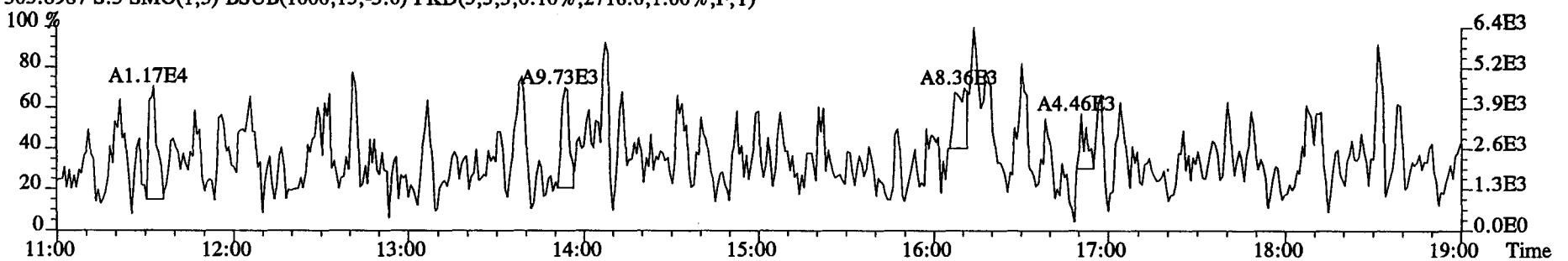
330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



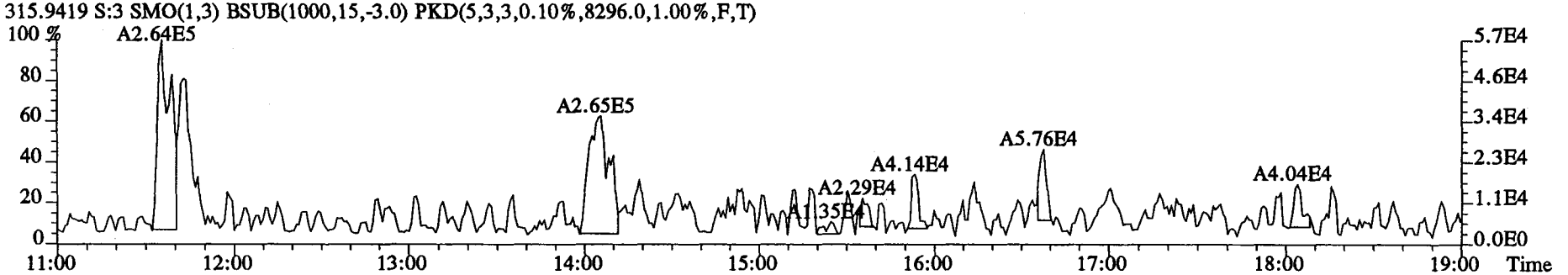
File:28AP105D2 #1-1242 Acq:28-APR-2010 10:47:19 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0428 :Solvent Blank C-14 Exp:DB225RES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2156.0,1.00%,F,T)



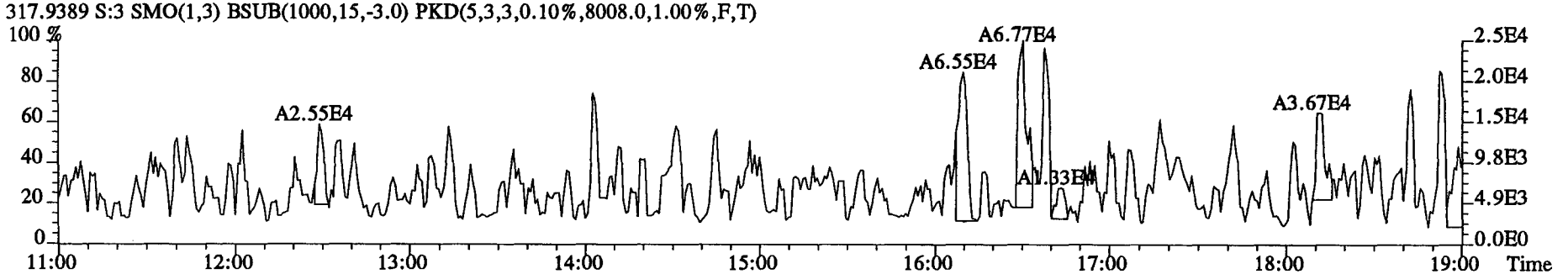
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2716.0,1.00%,F,T)



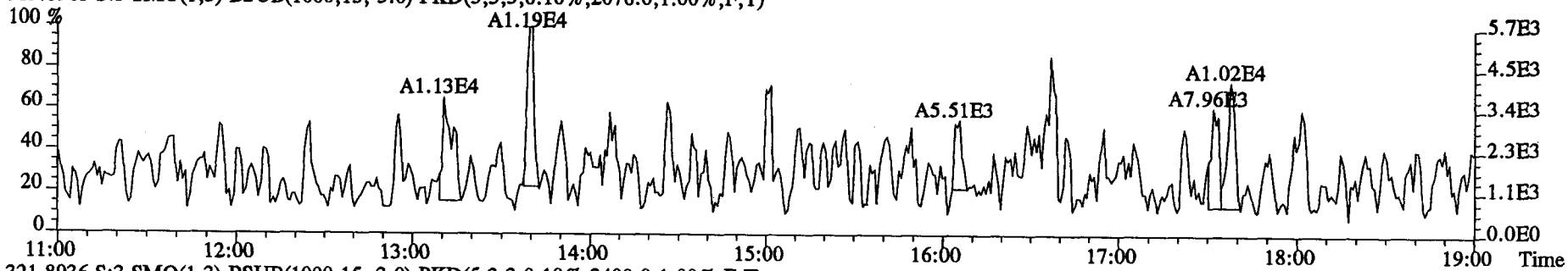
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8296.0,1.00%,F,T)



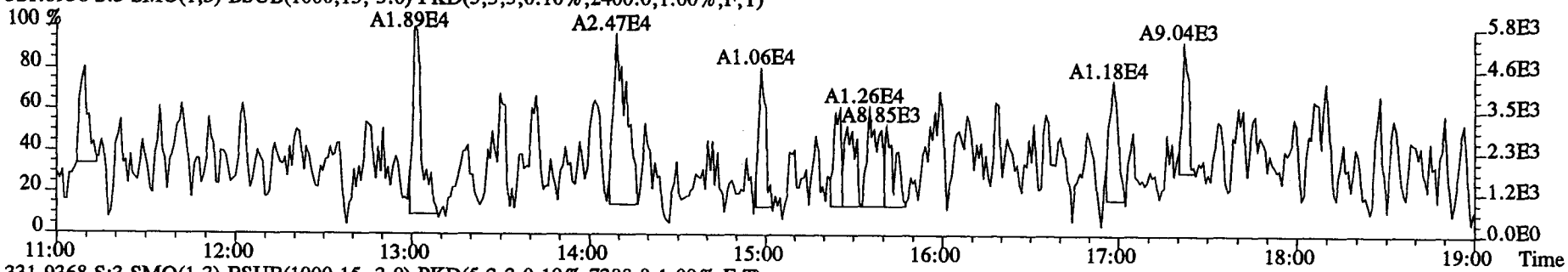
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8008.0,1.00%,F,T)



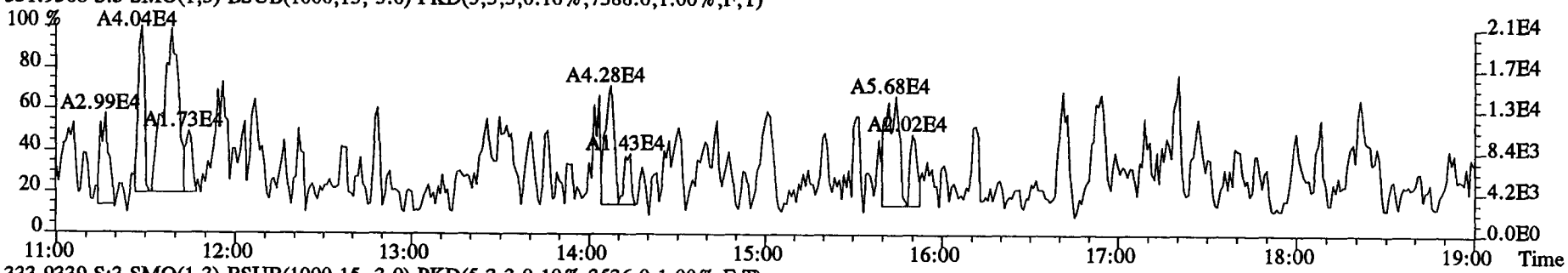
File:28AP105D2 #1-1242 Acq:28-APR-2010 10:47:19 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0428 :Solvent Blank C-14 Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2076.0,1.00%,F,T)



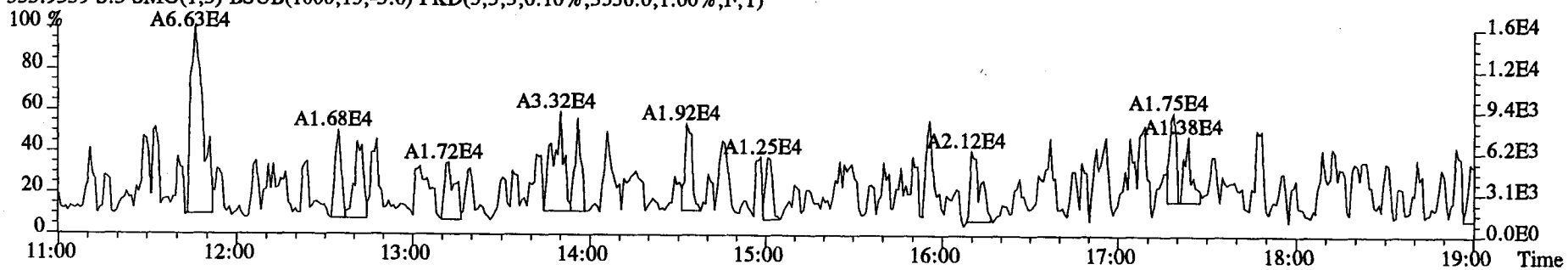
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2400.0,1.00%,F,T)



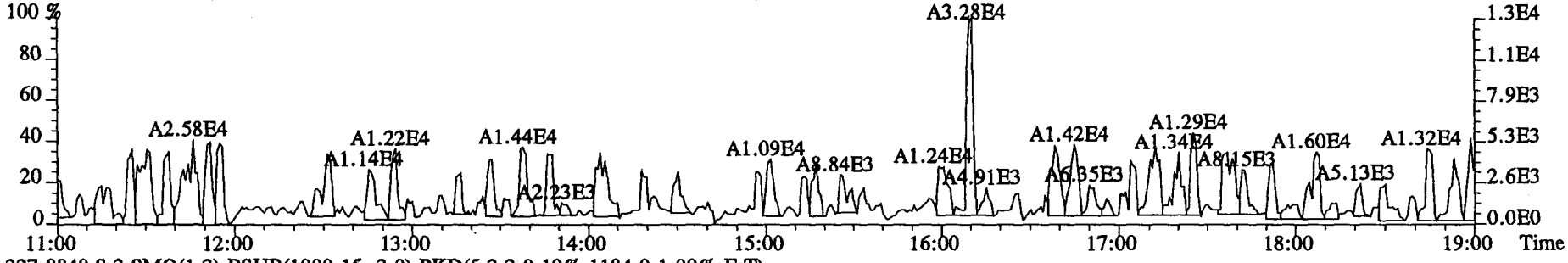
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T)



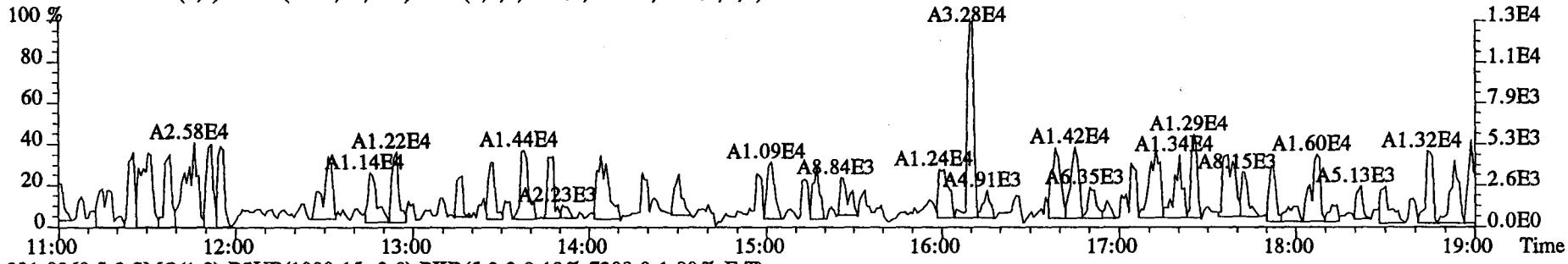
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3536.0,1.00%,F,T)



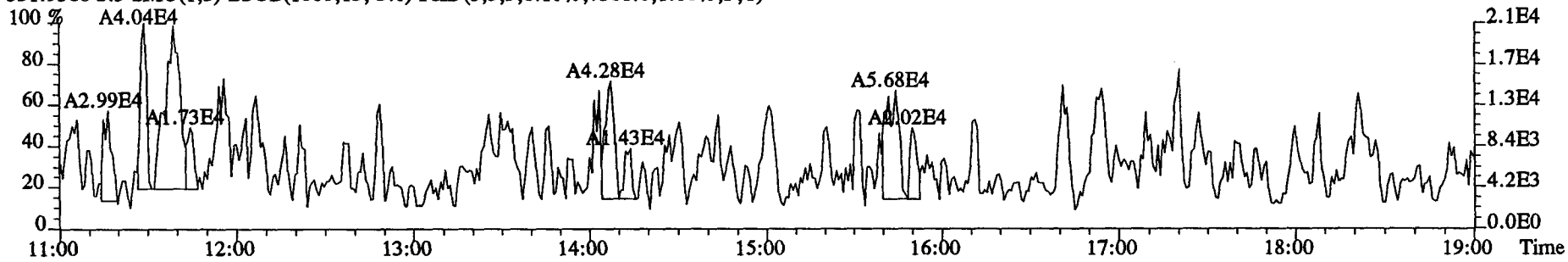
File:28AP105D2 #1-1242 Acq:28-APR-2010 10:47:19 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0428 :Solvent Blank C-14 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



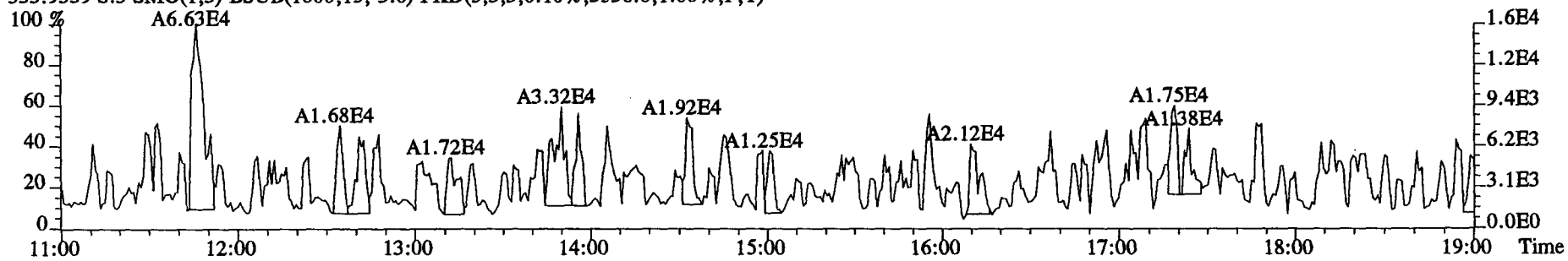
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



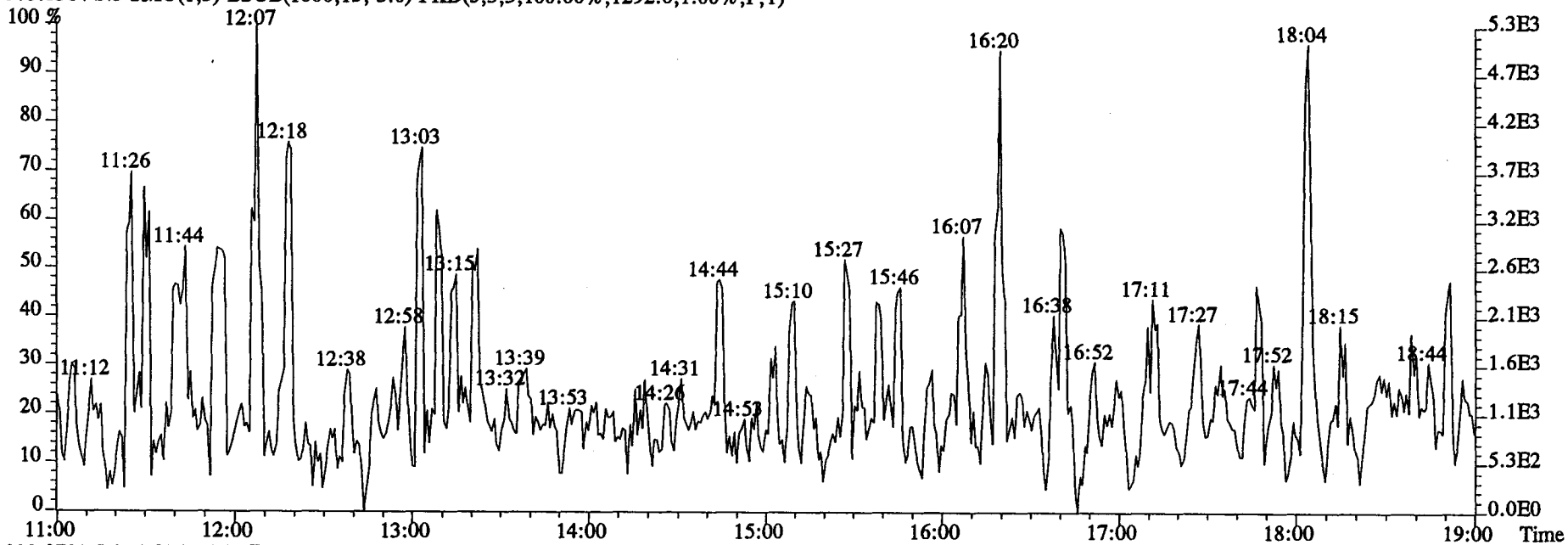
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T)



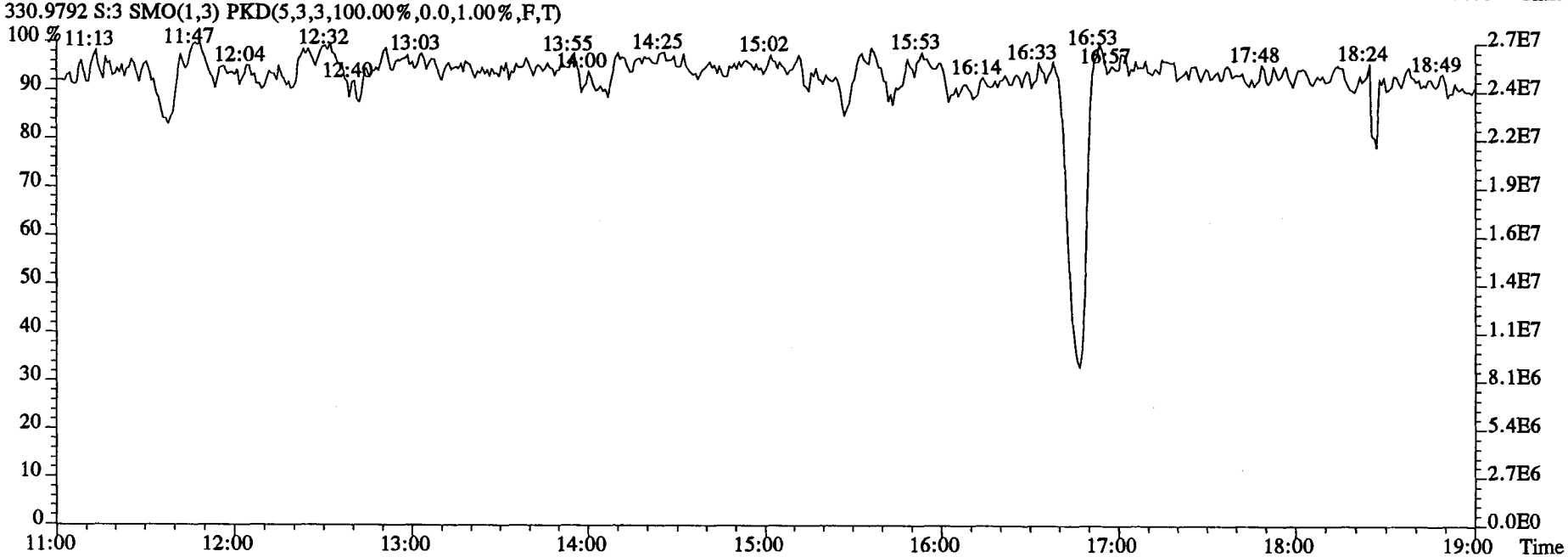
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3536.0,1.00%,F,T)



File:28AP105D2 #1-1242 Acq:28-APR-2010 10:47:19 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0428 :Solvent Blank C-14 Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1292.0,1.00%,F,T)

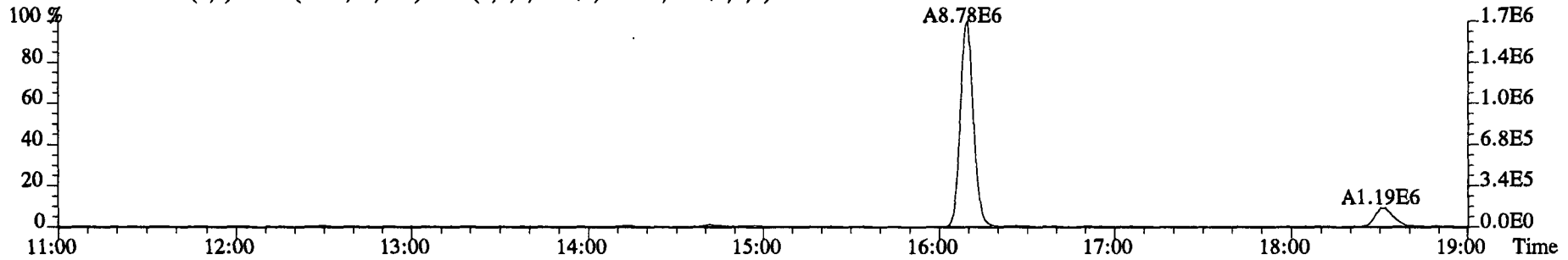


330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

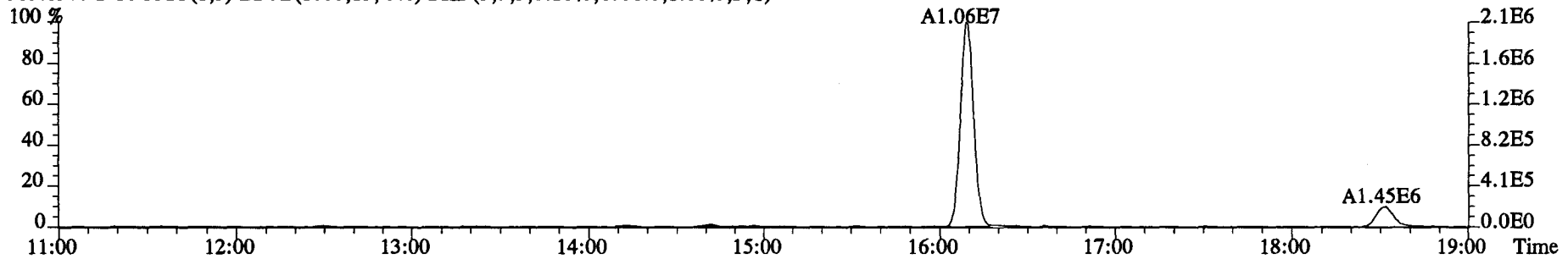


File:28AP105D2 #1-1242 Acq:28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0428A :CS3 10DXN111 Exp:DB225RES

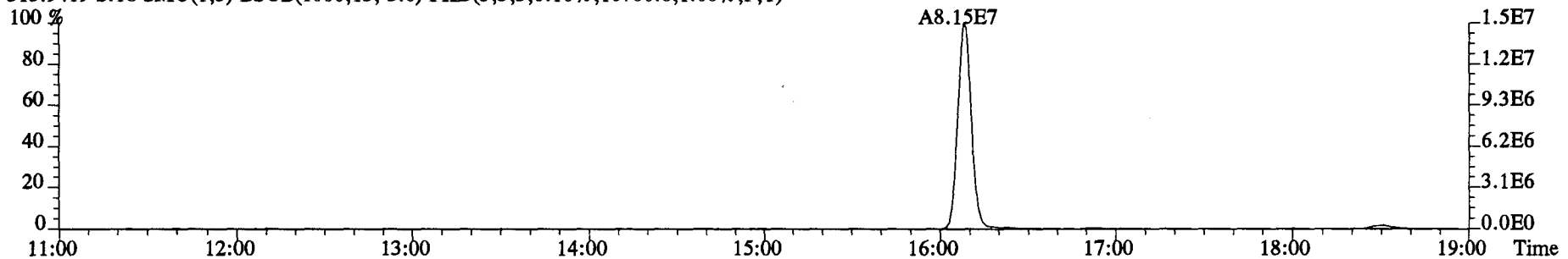
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6056.0,1.00%,F,T)



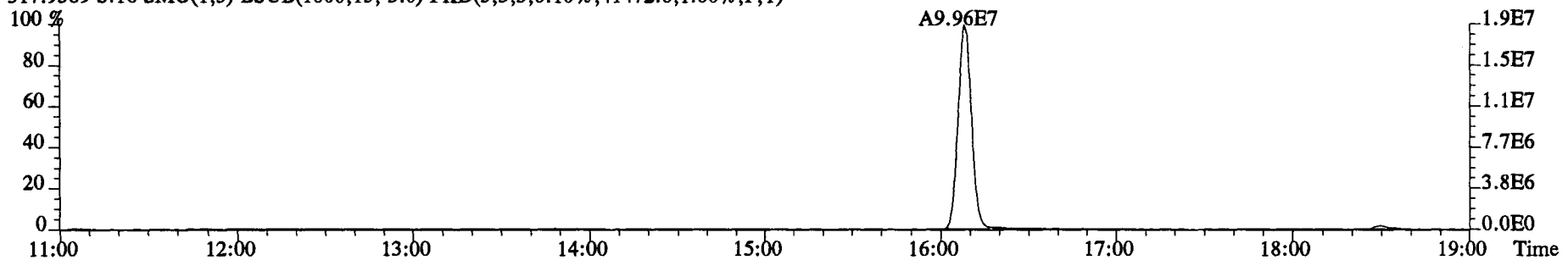
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6856.0,1.00%,F,T)



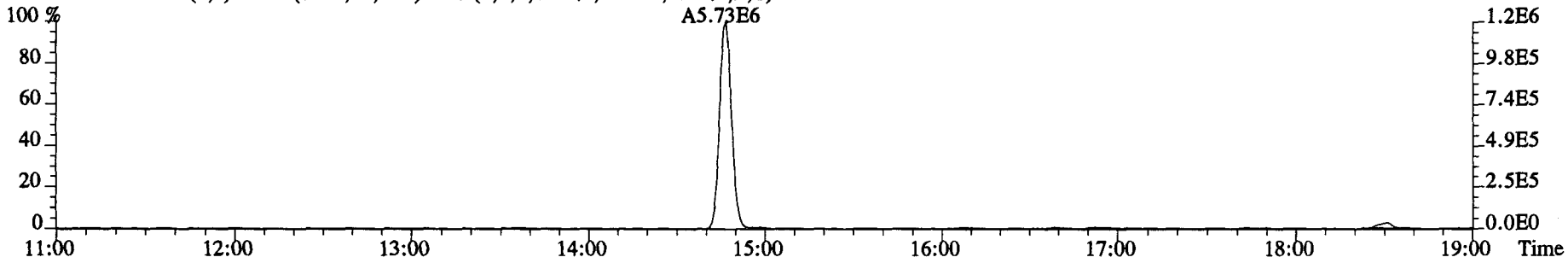
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10700.0,1.00%,F,T)



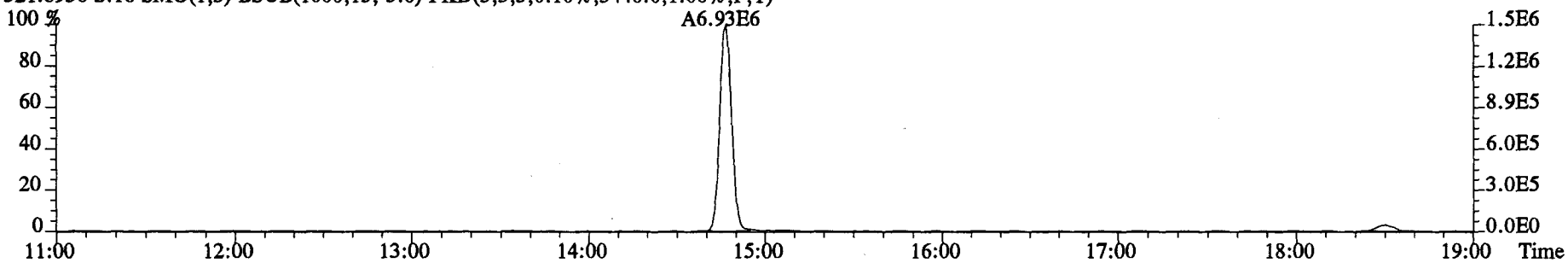
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41472.0,1.00%,F,T)



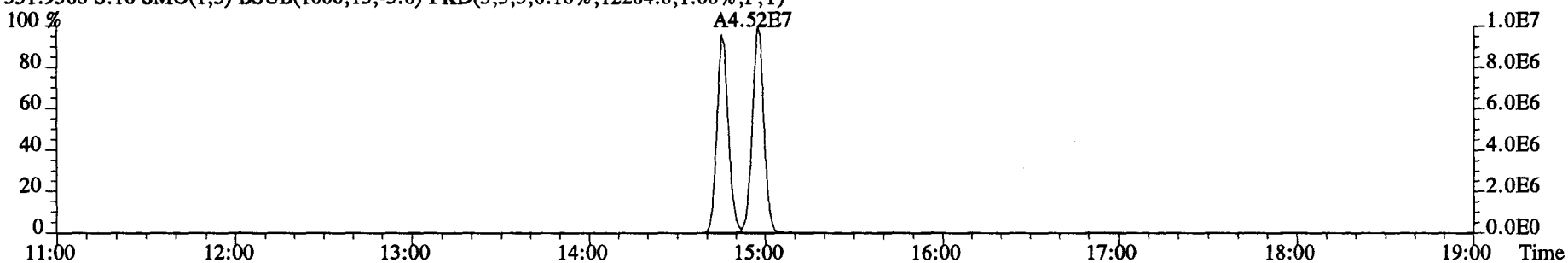
File:28AP105D2 #1-1242 Acq:28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0428A :CS3 10DXN111 Exp:DB225RES
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3560.0,1.00%,F,T)



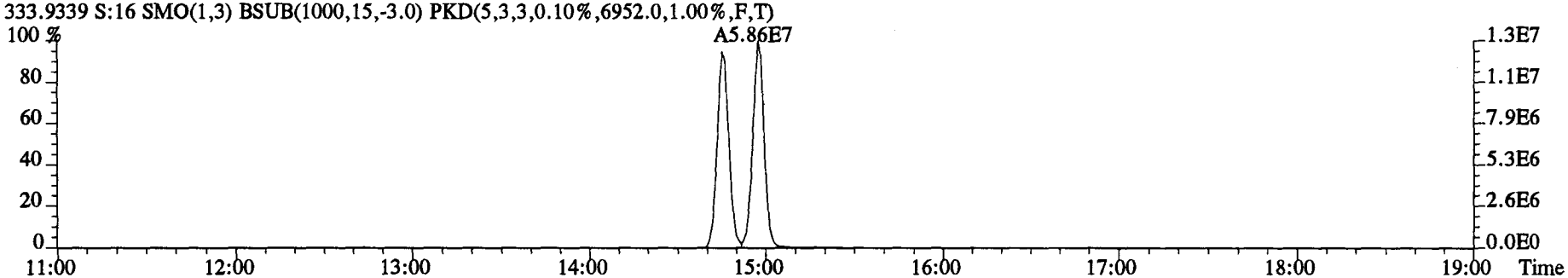
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3440.0,1.00%,F,T)



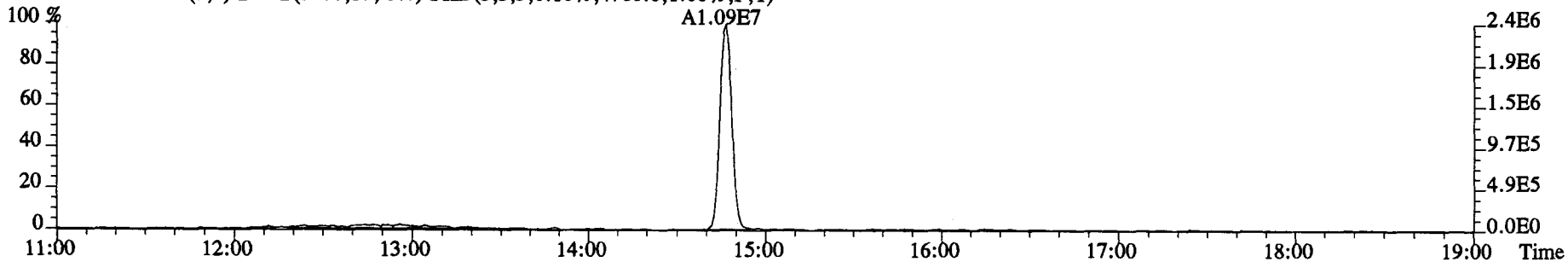
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12264.0,1.00%,F,T)



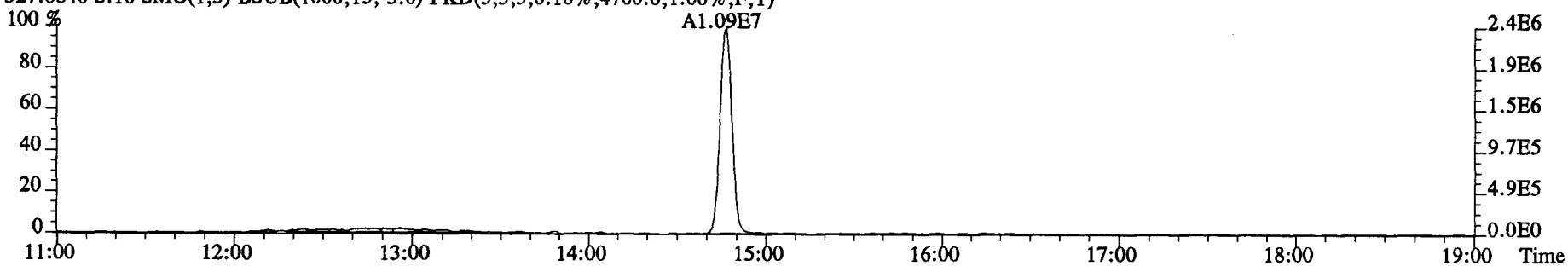
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6952.0,1.00%,F,T)



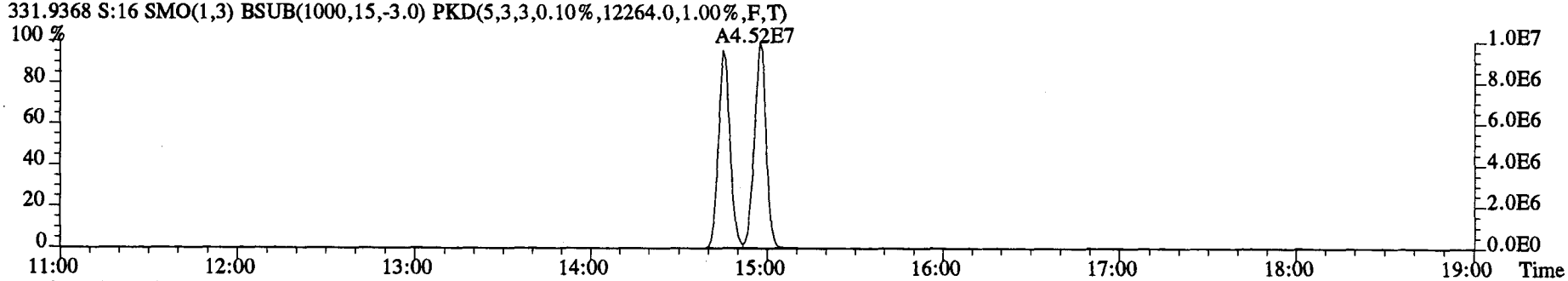
File:28AP105D2 #1-1242 Acq:28-APR-2010 18:49:33 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0428A :CS3 10DXN111 Exp:DB225RES
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4760.0,1.00%,F,T)



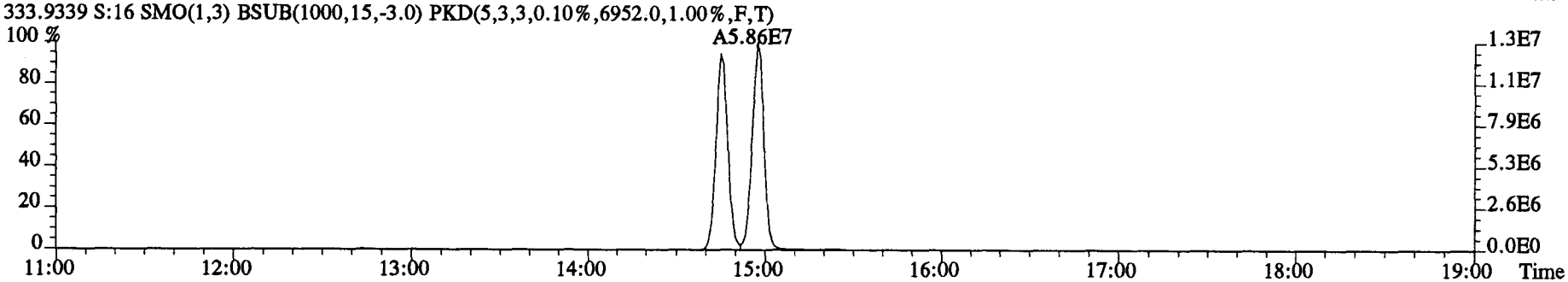
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4760.0,1.00%,F,T)



331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12264.0,1.00%,F,T)



333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6952.0,1.00%,F,T)



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Daily Calibration Checklist
Dioxin Methods

Method ID 8290 **Associated ICAL** ICAL0420/03D5829OOCDD25

Column ID DB5 **Instrument ID** 3D5

STD ID ST0428E, ST0428F **STD Solution** 10DXN083

Analyzed by A.M. **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.

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:44:59 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D.	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	2994666	26.04	26.06	1.00000	1.00000	100.00	0.0	100.0		0.748	NO
2												
3	13C-2,3,7,8-TCDF	4304171	25.44	25.50	1.29217	1.43728	111.23	11.2	111.2		0.789	NO
4	2,3,7,8-TCDF	411274	25.45	25.45	0.98315	0.95553	9.72	-2.8	97.2		0.782	NO
5	Total TCDFs			21.44	0.98315		9.72					
6												
7	13C-2,3,7,8-TCDD	2889460	26.29	26.30	0.89708	0.96487	107.56	7.6	107.6		0.761	NO
8	2,3,7,8-TCDD	313075	26.32	26.30	1.05105	1.08351	10.31	3.1	103.1		0.793	NO
9	Total TCDDs			19.55	1.05105		10.31					
10												
11	37CL-2,3,7,8-TCDD	363131	26.32	26.30	1.06704	1.21259	11.36	13.6	113.6			
12												
13	13C-1,2,3,7,8-PeCDF	3415013	31.29	31.30	1.01112	1.14037	112.78	12.8	112.8		1.604	NO
14	1,2,3,7,8-PeCDF	1705859	31.32	31.33	1.01766	0.99904	49.08	-1.8	98.2		1.543	NO
15	2,3,4,7,8-PeCDF	1733964	32.88	32.89	1.01420	1.01549	50.06	0.1	100.1		1.585	NO
16	Total F2 PeCDFs			34.47	1.01593		99.15					
17	Total F1 PeCDFs			36.56	1.01593							
18												
19	13C-1,2,3,7,8-PeCDD	2246870	33.69	33.72	0.66822	0.75029	112.28	12.3	112.3		1.574	NO
20	1,2,3,7,8-PeCDD	1161276	33.73	33.72	0.99572	1.03368	51.91	3.8	103.8		1.570	NO
21	Total PeCDDs			31.10	0.99572		51.91					
22												
23	13C-1,2,3,7,8,9-HxCDD	2325873	41.60	41.63	1.00000	1.00000	100.00	0.0	100.0		1.327	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	2253598	40.10	40.13	0.88818	0.96893	109.09	9.1	109.1		0.544	NO
26	1,2,3,4,7,8-HxCDF	1381628	40.13	40.12	1.24155	1.22615	49.38	-1.2	98.8		1.267	NO
27	1,2,3,6,7,8-HxCDF	1668422	40.27	40.28	1.42681	1.48067	51.89	3.8	103.8		1.316	NO
28	2,3,4,6,7,8-HxCDF	1458992	41.02	41.01	1.28770	1.29481	50.28	0.6	100.6		1.255	NO
29	1,2,3,7,8,9-HxCDF	1370147	41.80	41.77	1.21630	1.21596	49.99	-0.0	100.0		1.248	NO
30	Total HxCDFs			0.00	1.29309		201.53					
31												
32	13C-1,2,3,6,7,8-HxCDD	2045265	41.27	41.30	0.81128	0.87935	108.39	8.4	108.4		1.251	NO
33	1,2,3,4,7,8-HxCDD	899335	41.20	41.18	0.88272	0.87943	49.81	-0.4	99.6		1.260	NO
34	1,2,3,6,7,8-HxCDD	1135597	41.30	41.28	1.08449	1.11046	51.20	2.4	102.4		1.289	NO
35	1,2,3,7,8,9-HxCDD	1161699	41.62	41.60	1.18402	1.13599	47.97	-4.1	95.9		1.269	NO
36	Total HxCDDs			0.00	1.05041		148.98					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	2190914	43.26	43.26	0.80110	0.94198	117.59	17.6	117.6		0.434	NO
39	1,2,3,4,6,7,8-HpCDF	1483703	43.27	43.27	1.38128	1.35441	49.03	-1.9	98.1		1.112	NO
40	1,2,3,4,7,8,9-HpCDF	1204823	44.46	44.45	1.10952	1.09984	49.56	-0.9	99.1		1.065	NO
41	Total HpCDFs			0.00	1.24540		98.59					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1892476	44.12	44.12	0.68208	0.81366	119.29	19.3	119.3		1.076	NO
44	1,2,3,4,6,7,8-HpCDD	987227	44.13	44.13	1.03068	1.04332	50.61	1.2	101.2		1.017	NO
45	Total HpCDDs			-0.02	1.03068		50.61					
46												

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

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Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
47	13C-OCDD	2950366	46.73	46.72	0.49708	0.63425	255.19	27.6	127.6		0.887	NO
48	OCDF	2030802	46.84	46.84	1.42582	1.37664	96.55	-3.4	96.6		0.917	NO
49	OCDD	1692164	46.74	46.75	1.15547	1.14709	99.27	-0.7	99.3		0.908	NO
50												
51												
52	Function 1 PFK			28.66								
53	Function 2 PFK	13227	36.97	36.91		13226....						
54	Function 3 PFK			41.66								
55	Function 4 PFK			43.29								
56	Function 5 PFK			48.80								
57	TCDF PCDPE			24.99								
58	F1 PeCDF PCDPE			21.98								
59	F2 PeCDF PCDPE			33.61								
60	HXCDF PCDPE	47	38.65	38.56		47.206...						
61	HPCDF PCDPE	105	43.95	44.00		105.08...						
62	OCDF PCDPE	64	47.92	47.82		63.795...						

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Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	2873959	26.06	26.06	1.00000	1.00000	100.00	0.0	100.0		0.758	NO
2												
3	13C-2,3,7,8-TCDF	4116712	25.44	25.50	1.29217	1.43242	110.85	10.9	110.9		0.797	NO
4	2,3,7,8-TCDF	375513	25.47	25.45	0.98315	0.91217	9.28	-7.2	92.8		0.732	NO
5	Total TCDFs			21.44	0.98315		9.28					
6												
7	13C-2,3,7,8-TCDD	2677140	26.30	26.32	0.89708	0.93152	103.84	3.8	103.8		0.764	NO
8	2,3,7,8-TCDD	285370	26.33	26.32	1.05105	1.06595	10.14	1.4	101.4		0.781	NO
9	Total TCDDs			19.55	1.05105		10.14					
10												
11	37CL-2,3,7,8-TCDD	335627	26.32	26.32	1.06704	1.16782	10.94	9.4	109.4			
12												
13	13C-1,2,3,7,8-PeCDF	3123149	31.32	31.31	1.01112	1.08671	107.48	7.5	107.5		1.616	NO
14	1,2,3,7,8-PeCDF	1560343	31.34	31.35	1.01766	0.99921	49.09	-1.8	98.2		1.681	NO
15	2,3,4,7,8-PeCDF	1662800	32.89	32.91	1.01420	1.06482	52.50	5.0	105.0		1.629	NO
16	Total F2 PeCDFs			34.47	1.01593		101.59					
17	Total F1 PeCDFs			36.56	1.01593							
18												
19	13C-1,2,3,7,8-PeCDD	2106626	33.72	33.74	0.66822	0.73300	109.70	9.7	109.7		1.608	NO
20	1,2,3,7,8-PeCDD	1053501	33.74	33.74	0.99572	1.00018	50.22	0.4	100.4		1.606	NO
21	Total PeCDDs			31.10	0.99572		50.22					
22												
23	13C-1,2,3,7,8,9-HxCDD	2217451	41.60	41.63	1.00000	1.00000	100.00	0.0	100.0		1.335	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1873927	40.11	40.13	0.88818	0.84508	95.15	-4.9	95.1		0.520	NO
26	1,2,3,4,7,8-HxCDF	1160013	40.12	40.13	1.24155	1.23806	49.86	-0.3	99.7		1.244	NO
27	1,2,3,6,7,8-HxCDF	1511416	40.28	40.29	1.42681	1.61310	56.53	13.1	113.1		1.245	NO
28	2,3,4,6,7,8-HxCDF	1297345	41.02	41.02	1.28770	1.38463	53.76	7.5	107.5		1.286	NO
29	1,2,3,7,8,9-HxCDF	1200802	41.80	41.79	1.21630	1.28159	52.68	5.4	105.4		1.284	NO
30	Total HxCDFs			0.00	1.29309		212.83					
31												
32	13C-1,2,3,6,7,8-HxCDD	2050119	41.28	41.30	0.81128	0.92454	113.96	14.0	114.0		1.296	NO
33	1,2,3,4,7,8-HxCDD	727446	41.21	41.19	0.88272	0.70966	40.20	-19.6	80.4		1.250	NO
34	1,2,3,6,7,8-HxCDD	1112877	41.30	41.29	1.08449	1.08567	50.05	0.1	100.1		1.281	NO
35	1,2,3,7,8,9-HxCDD	1120507	41.62	41.61	1.18402	1.09311	46.16	-7.7	92.3		1.197	NO
36	Total HxCDDs			0.00	1.05041		136.41					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1902371	43.26	43.26	0.80110	0.85791	107.09	7.1	107.1		0.469	NO
39	1,2,3,4,6,7,8-HpCDF	1246257	43.27	43.27	1.38128	1.31021	47.43	-5.1	94.9		1.053	NO
40	1,2,3,4,7,8,9-HpCDF	1099842	44.47	44.45	1.10952	1.15629	52.11	4.2	104.2		1.108	NO
41	Total HpCDFs			0.00	1.24540		99.54					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1781309	44.13	44.12	0.68208	0.80331	117.77	17.8	117.8		1.038	NO
44	1,2,3,4,6,7,8-HpCDD	947250	44.15	44.15	1.03068	1.06354	51.59	3.2	103.2		1.082	NO
45	Total HpCDDs			-0.01	1.03068		51.59					
46												
47	13C-OCDD	2449941	46.73	46.72	0.49708	0.55242	222.27	11.1	111.1		0.960	NO
48	OCDF	1762039	46.84	46.84	1.42582	1.43843	100.88	0.9	100.9		0.925	NO
49	OCDD	1381349	46.74	46.75	1.15547	1.12766	97.59	-2.4	97.6		0.849	NO

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Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Mod.D...	Ratio	Ratio Flag
50												
51												
52	Function 1 PFK			28.66								
53	Function 2 PFK			36.91								
54	Function 3 PFK	4449	41.71	41.66		4449.1...						
55	Function 4 PFK			43.29								
56	Function 5 PFK	10303	48.88	48.80		10303....						
57	TCDF PCDPE	263	25.03	24.99		263.46...						
58	F1 PeCDF PCDPE			21.98								
59	F2 PeCDF PCDPE			33.61								
60	HXCDF PCDPE			38.56								
61	HPCDF PCDPE			44.00								
62	OCDF PCDPE			47.82								

	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle
1	28AP10A3D5_1	CS-3 10DXN083	ST0428D	---	---	1.000000	---	Tray01:1
2	28AP10A3D5_2	DB5 CPSM 3732-05	CP0428A	---	---	1.000000	---	Tray01:2
3	28AP10A3D5_3	Solvent Blank C-14	SB0428C	---		1.000000	---	Tray01:3
4	28AP10A3D5_4	G0D130435-24	LXV6A-1-AE	8290/Solid	73	10.190000	g	Tray01:4
5	28AP10A3D5_5	G0D100461-26	LXR84-1-AE	8290/Solid	---	10.030000	g	Tray01:5
6	28AP10A3D5_6	G0D140526-1	LX0LQ-1-AC	8290/Solid	75	10.560000	g	Tray01:6
7	28AP10A3D5_7	G0D140526-1S	LX0LQ-1-ADS	8290/Solid	---	10.250000	g	Tray01:7
8	28AP10A3D5_8	G0D140526-1D	LX0LQ-1-AED	8290/Solid	---	10.650000	g	Tray01:8
9	28AP10A3D5_9	G0D140543-27	LX0QG-1-AD	8290/Solid	---	10.160000	g	Tray01:9
10	28AP10A3D5_10	G0D140543-52	LX0RC-1-AD	8290/Solid	---	10.010000	g	Tray01:10
11	28AP10A3D5_11	G0D140543-67	LX0R3-1-AD	8290/Solid	---	10.000000	g	Tray01:11
12	28AP10A3D5_12	Solvent Blank C-14	SB0428D	---		1.000000	---	Tray01:12
13	28AP10A3D5_13	CS-3 10DXN083	ST0428E	---	---	1.000000	---	Tray01:1
14	28AP10A3D5_14	DB5 CPSM 3732-05	CP0428B	---	---	1.000000	---	Tray01:2
15	28AP10A3D5_15	Solvent Blank C-14	SB0428E	---		1.000000	---	Tray01:3
16	28AP10A3D5_16	Solvent Blank C-14	SB0428F	---		1.000000	---	Tray01:16
17	28AP10A3D5_17	G0D280586-1MB	L0PV4-1-AA	8290Screen/Solid	2	0.020000	g	Tray01:17
18	28AP10A3D5_18	G0D280586-1LCS	L0PV4-1-AC	8290Screen/Solid		0.020000	g	Tray01:18
19	28AP10A3D5_19	G0D150462-1	LX1GM-1-AD	8290/Solid	75	10.500000	g	Tray01:19
20	28AP10A3D5_20	G0D150462-1S	LX1GM-1-AES	8290/Solid	---	10.890000	g	Tray01:20
21	28AP10A3D5_21	G0D150462-1D	LX1GM-1-AFD	8290/Solid	---	10.020000	g	Tray01:21
22	28AP10A3D5_22	G0D150462-3	LX1G8-1-AD	8290/Solid	---	10.690000	g	Tray01:22
23	28AP10A3D5_23	G0D150462-5	LX1HD-1-AD	8290/Solid	---	10.360000	g	Tray01:23
24	28AP10A3D5_24	Solvent Blank C-14	SB0428G	---		1.000000	---	Tray01:24
25	28AP10A3D5_25	CS-3 10DXN083	ST0428F	---	---	1.000000	---	Tray01:1
26	28AP10A3D5_26	DB5 CPSM 3732-05	CP0428C	---	---	1.000000	---	Tray01:2
27	28AP10A3D5_27	Solvent Blank C-14	SB0426H	---		1.000000	---	Tray01:27
28	28AP10A3D5_28	Solvent Blank C-14	SB0428I	---		1.000000	---	Tray01:28
29	28AP10A3D5_29	G0D150462-7	LX1HH-1-AD	8290/Solid	---	10.950000	g	Tray01:29
30	28AP10A3D5_30	G0D150462-9	LX1HK-1-AD	8290/Solid	---	10.840000	g	Tray01:30
31	28AP10A3D5_31	G0D150462-11	LX1GM-1-AD	8290/Solid	77	10.810000	g	Tray01:31
32	28AP10A3D5_32	G0D160597-1 RI	LX43P-1-AC	1613B/Solid	80	10.450000	g	Tray01:32
33	28AP10A3D5_33	G0D170495-1 RI	LX537-1-AC	1613B/Solid	---	10.880000	g	Tray01:33
34	28AP10A3D5_34	G0D090530-1 RI	LX0MA-1-AC	1613B/Solid	74	10.010000	g	Tray01:34
35	28AP10A3D5_35	Solvent Blank C-14	SB0428J	---		1.000000	---	Tray01:35
36	28AP10A3D5_36	CS-3 10DXN083	ST0428G	---	---	1.000000	---	Tray01:1
37	28AP10A3D5_37	Solvent Blank C-14	SB0426K	---		1.000000	---	Tray01:37

reviewed
by
MD
4/30/10

FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF	ConG
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	10	50	100	100	200	10	100
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	10	50	100	100	200	10	100
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	2000
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
20	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	2000
20	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	2000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	10	50	100	100	200	10	100
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	2000
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
10	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	1000
20	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	2000
20	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	2000
20	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	2000
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	—	—	—	—
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	10	50	100	100	200	10	100
—	2.000000	Analyte	AM 04-28-10	OCDD25	ocdd25	—	—	—	2000	4000	800	2000

Process	Process Options	Action On Error
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ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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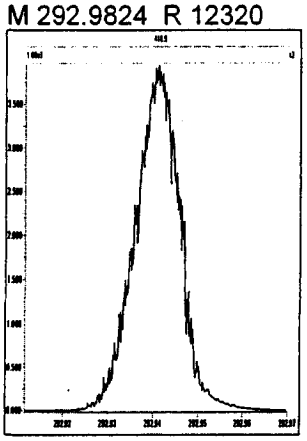
ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error

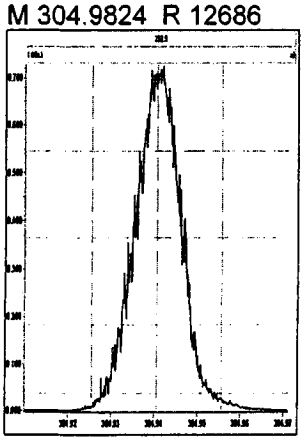
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, April 28, 2010 23:50:44 Pacific Daylight Time

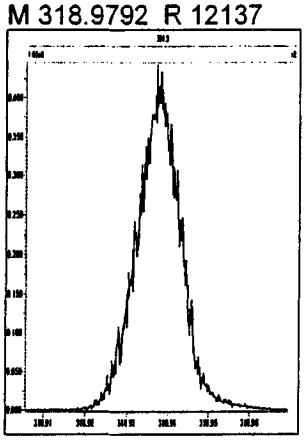
M 292.9824 R 12320



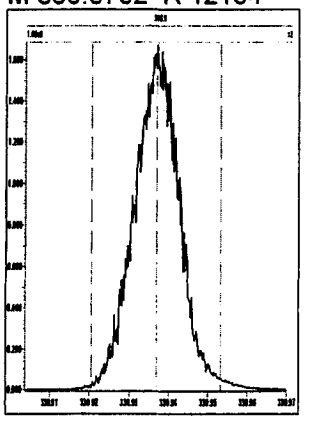
M 304.9824 R 12686



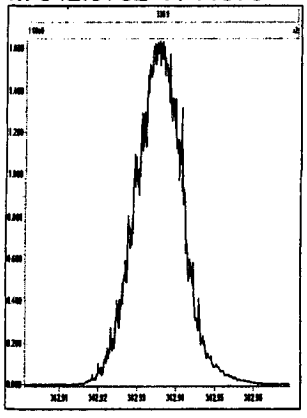
M 318.9792 R 12137



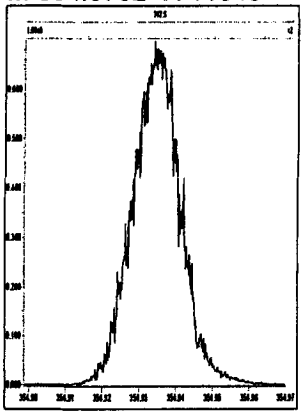
M 330.9792 R 12134



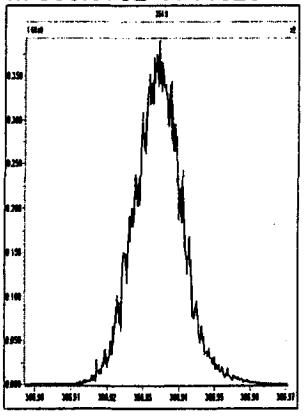
M 342.9792 R 11576



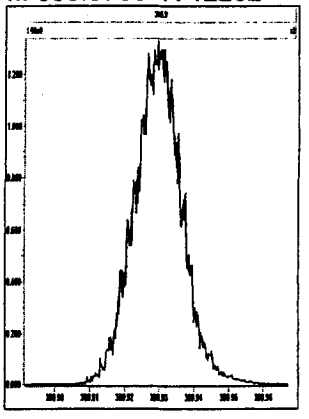
M 354.9792 R 11848



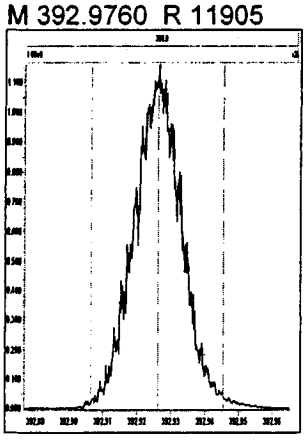
M 366.9792 R 11626



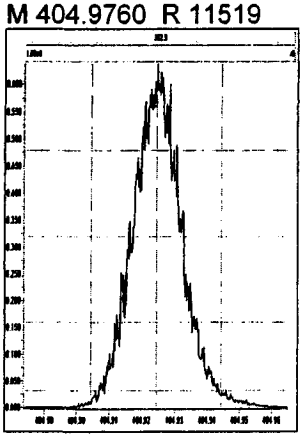
M 380.9760 R 12252



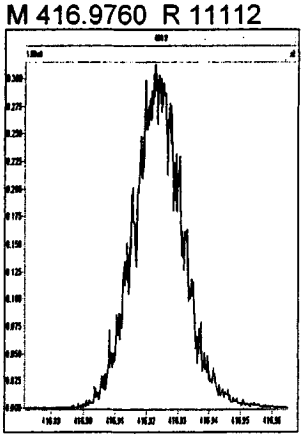
M 392.9760 R 11905



M 404.9760 R 11519



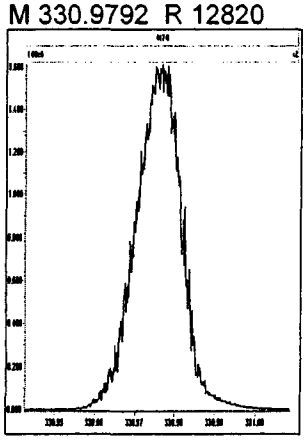
M 416.9760 R 11112



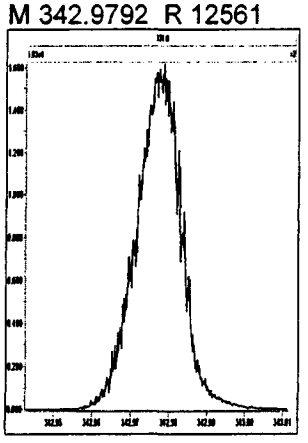
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, April 28, 2010 23:51:32 Pacific Daylight Time

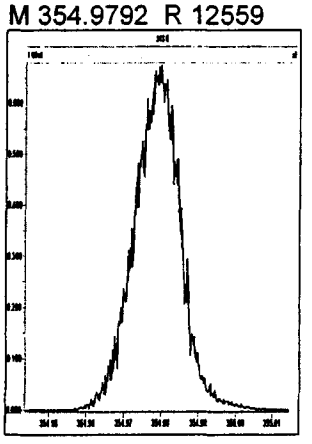
M 330.9792 R 12820



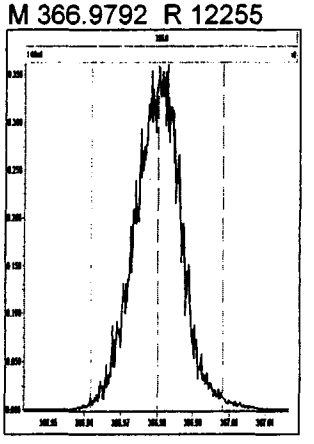
M 342.9792 R 12561



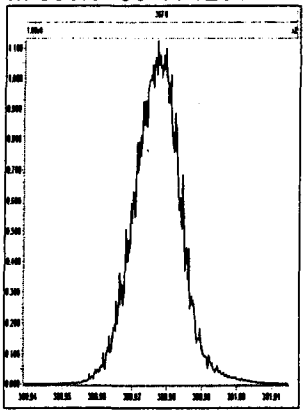
M 354.9792 R 12559



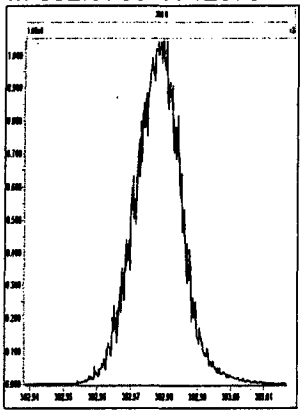
M 366.9792 R 12255



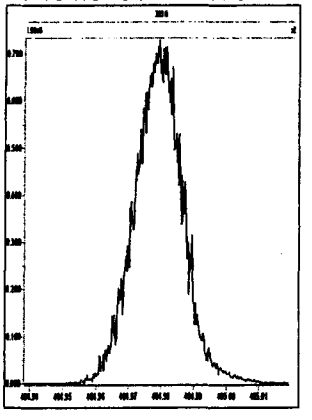
M 380.9760 R 12314



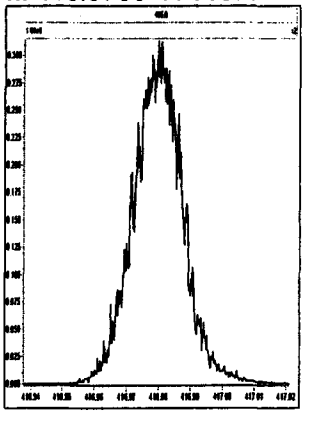
M 392.9760 R 12079



M 404.9760 R 11792



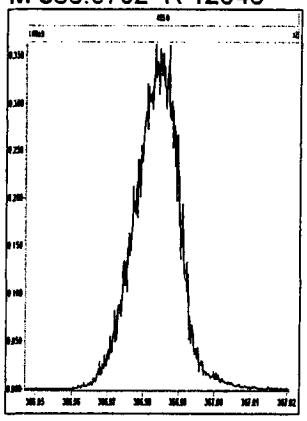
M 416.9760 R 11577



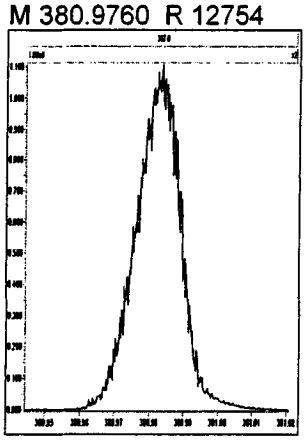
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, April 28, 2010 23:52:27 Pacific Daylight Time

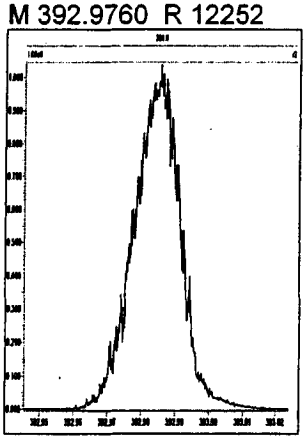
M 366.9792 R 12948



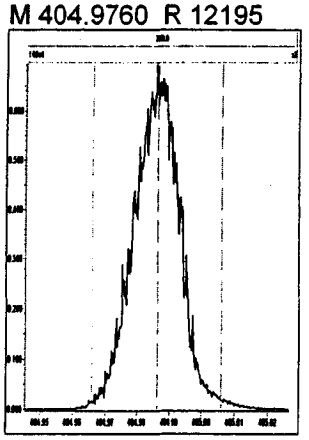
M 380.9760 R 12754



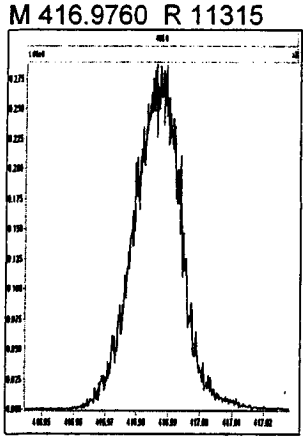
M 392.9760 R 12252



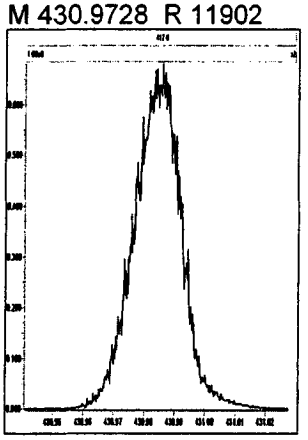
M 404.9760 R 12195



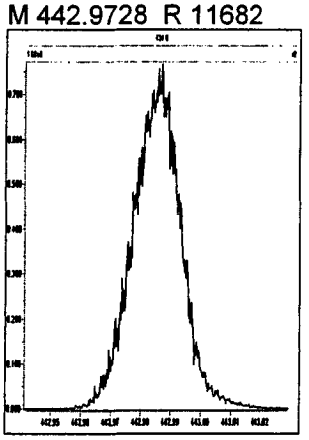
M 416.9760 R 11315



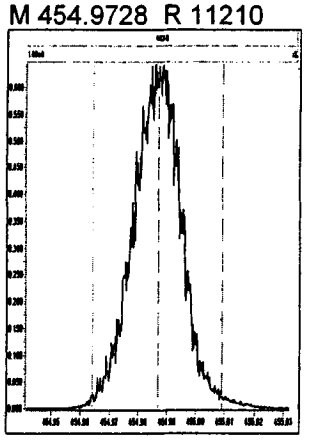
M 430.9728 R 11902



M 442.9728 R 11682



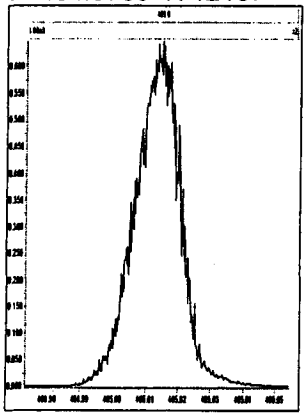
M 454.9728 R 11210



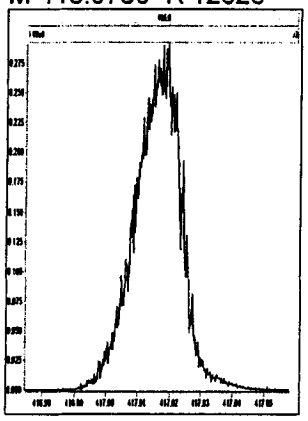
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, April 28, 2010 23:54:10 Pacific Daylight Time

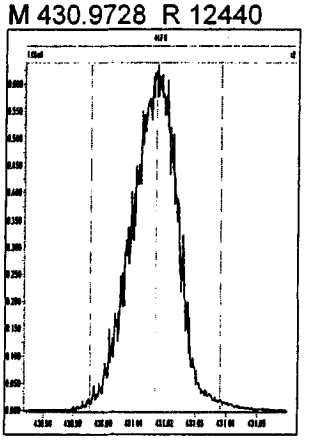
M 404.9760 R 12137



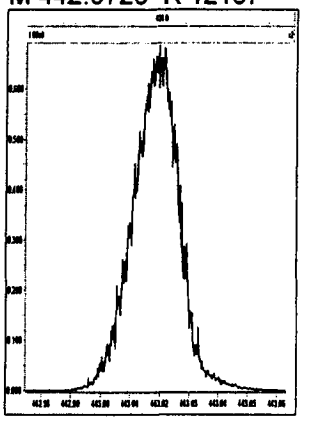
M 416.9760 R 12626



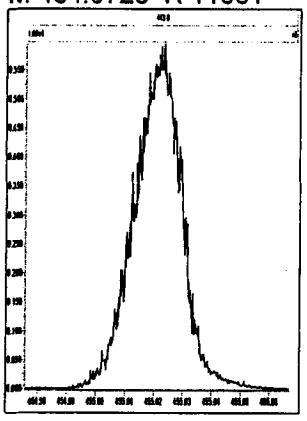
M 430.9728 R 12440



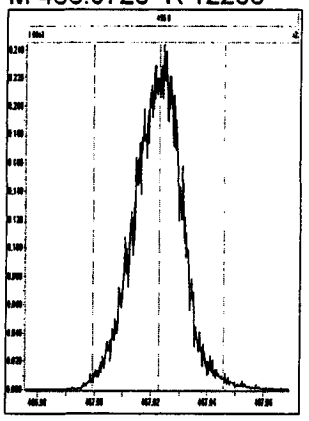
M 442.9728 R 12137



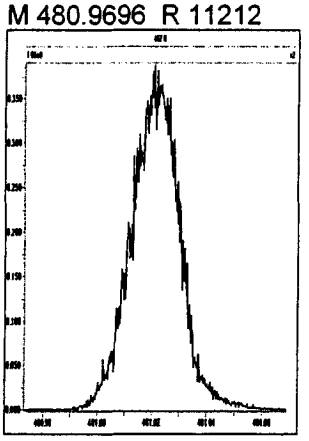
M 454.9728 R 11961



M 466.9728 R 12253



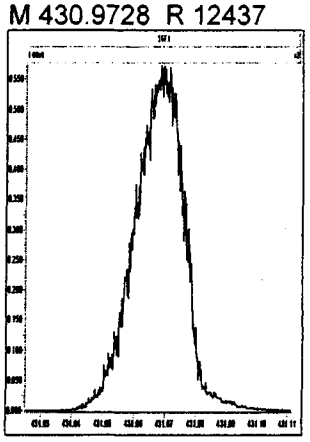
M 480.9696 R 11212



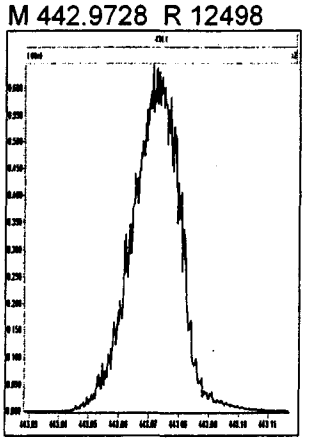
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, April 28, 2010 23:55:07 Pacific Daylight Time

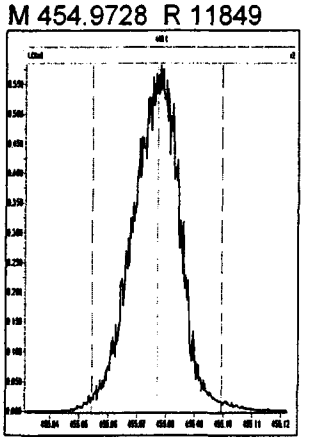
M 430.9728 R 12437



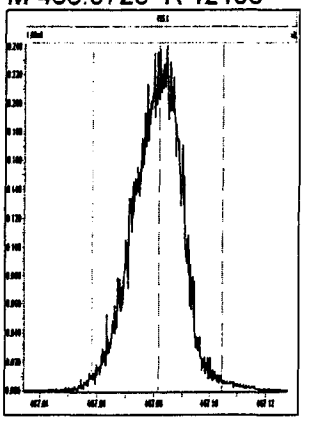
M 442.9728 R 12498



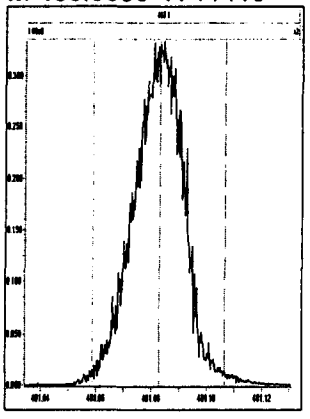
M 454.9728 R 11849



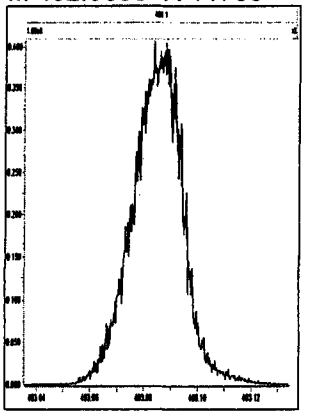
M 466.9728 R 12195



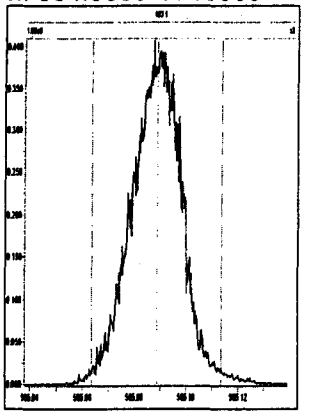
M 480.9696 R 11418



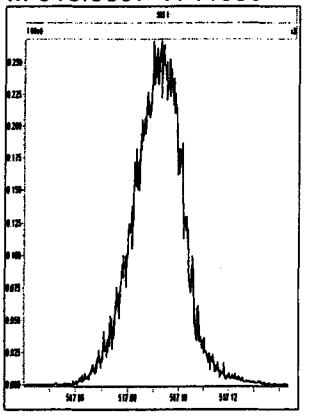
M 492.9696 R 11738



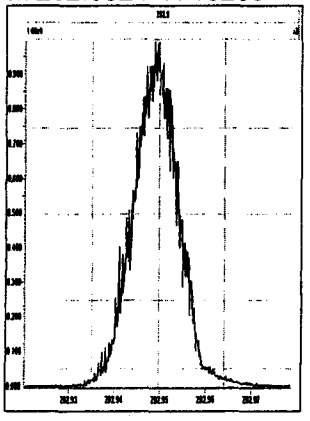
M 504.9696 R 10965



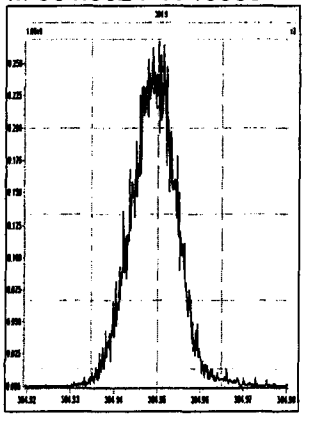
M 516.9697 R 11630



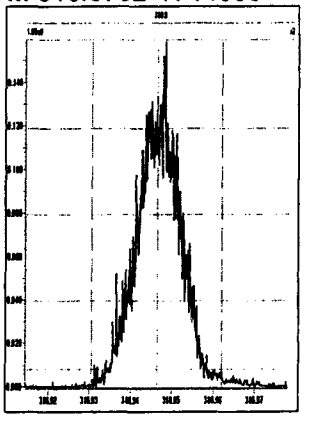
M 292.9824 R 13203



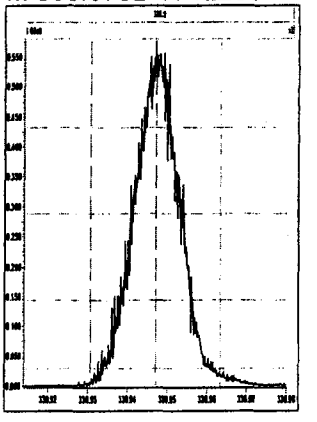
M 304.9824 R 13333



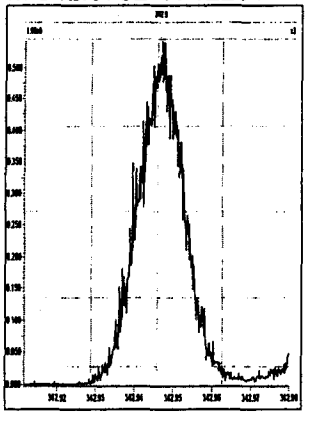
M 318.9792 R 14053



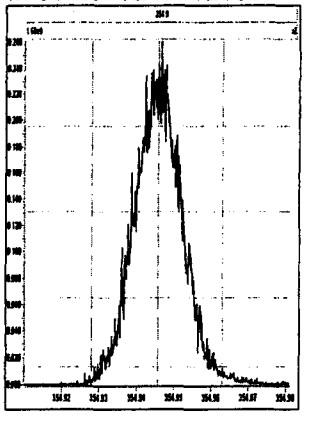
M 330.9792 R 12286



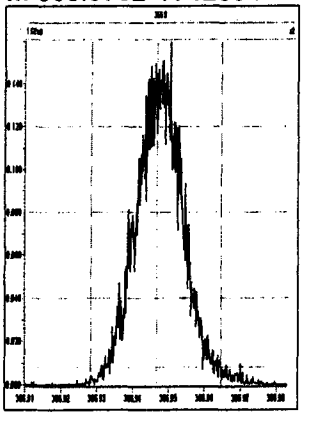
M 342.9792 R 12261



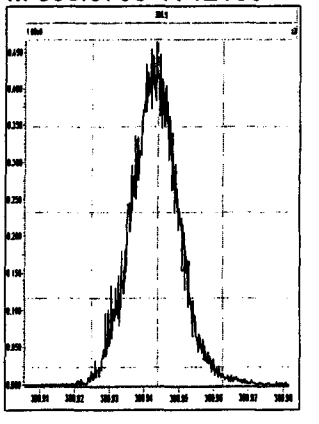
M 354.9792 R 12855



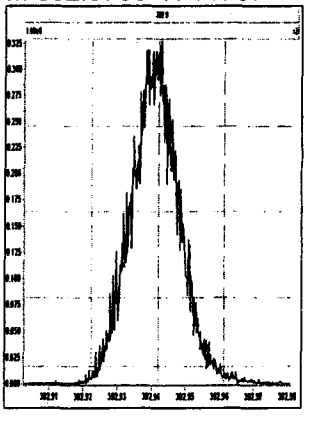
M 366.9792 R 12594



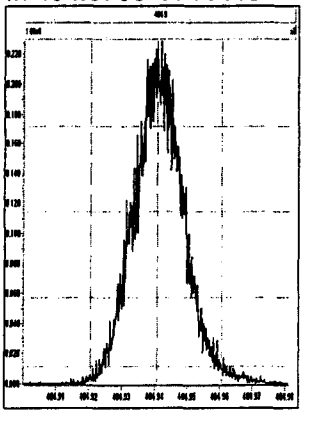
M 380.9760 R 12165



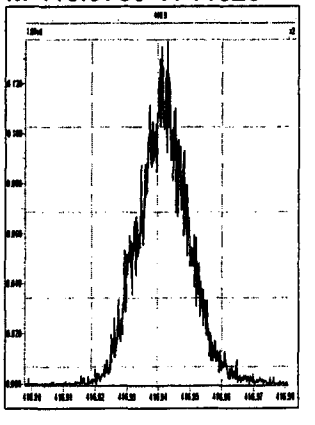
M 392.9760 R 11737



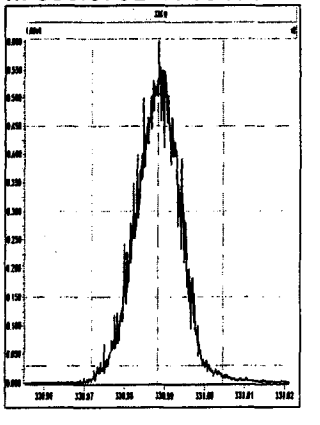
M 404.9760 R 11415



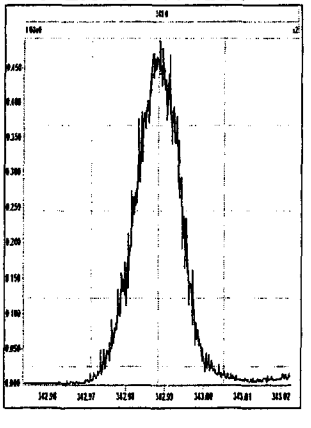
M 416.9760 R 11825



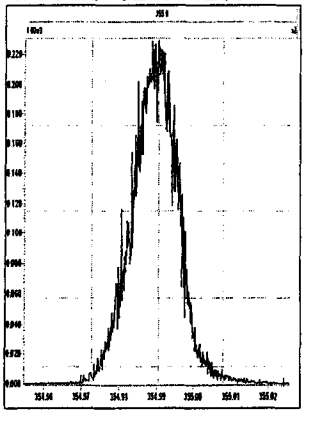
M 330.9792 R 13230



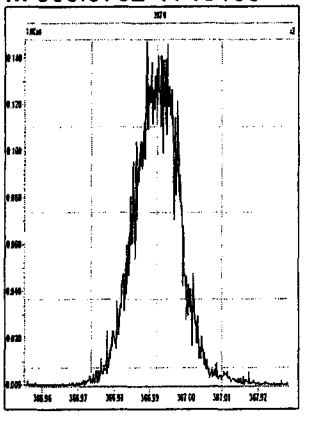
M 342.9792 R 12634



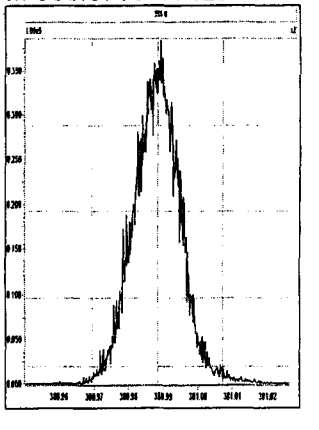
M 354.9792 R 12891



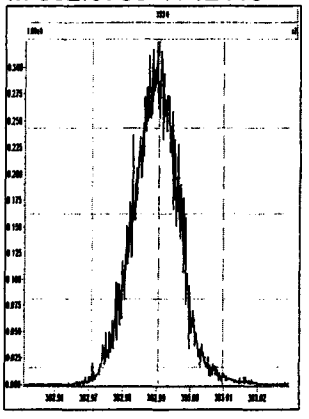
M 366.9792 R 13158



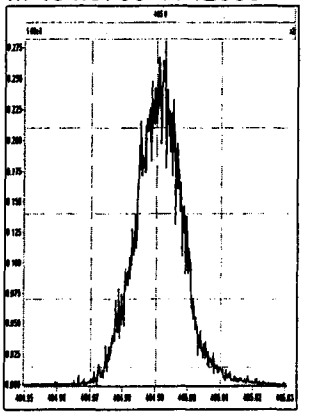
M 380.9760 R 12284



M 392.9760 R 12410



M 404.9760 R 12535



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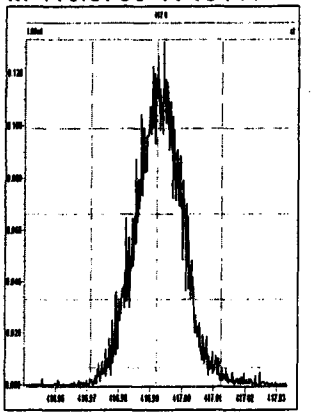

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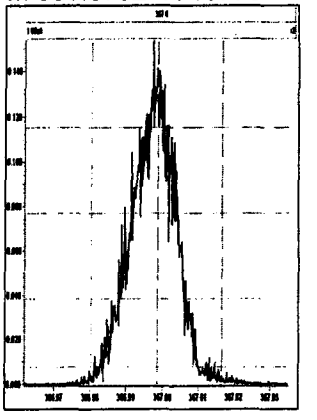

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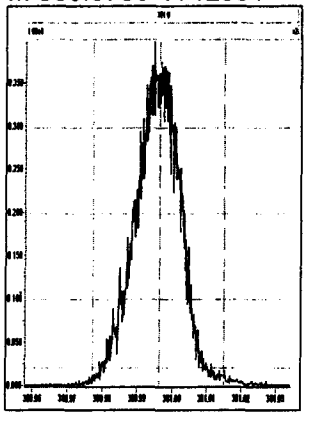
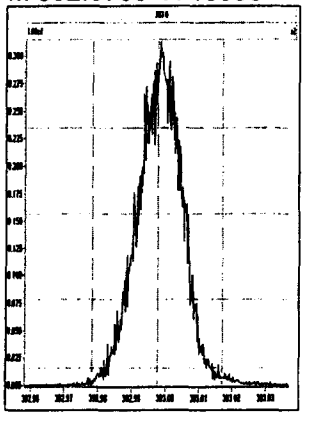


M 392.9760 R 13593



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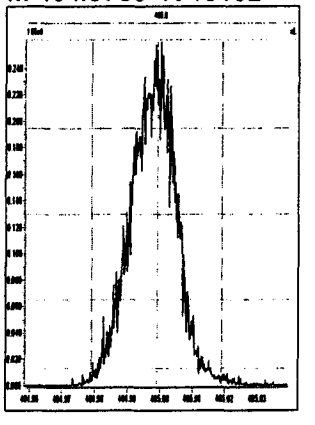
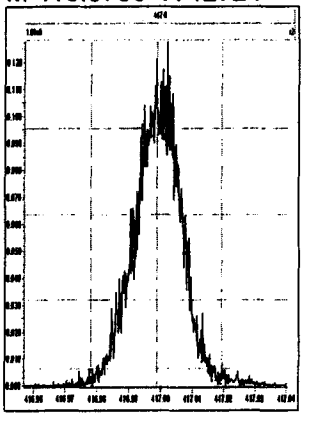
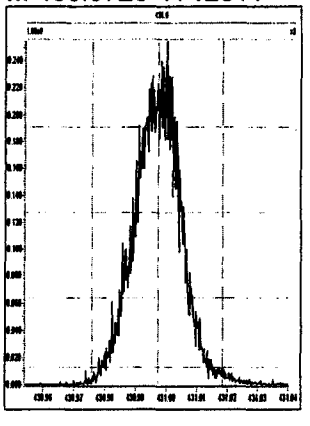


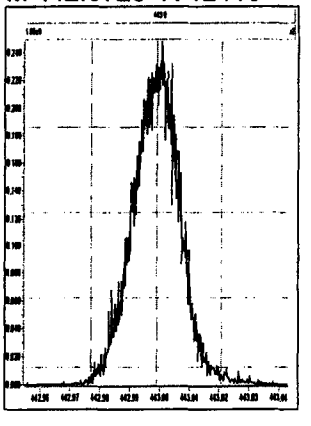
M 416.9760 R 12724



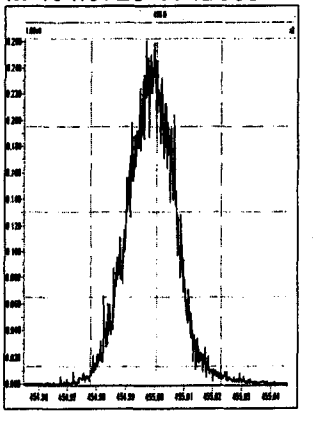
M 430.9728 R 12611



M 442.9728 R 12416



M 454.9728 R 12600



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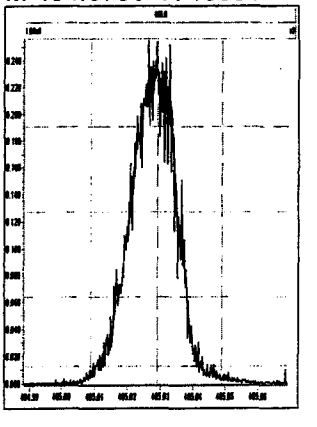
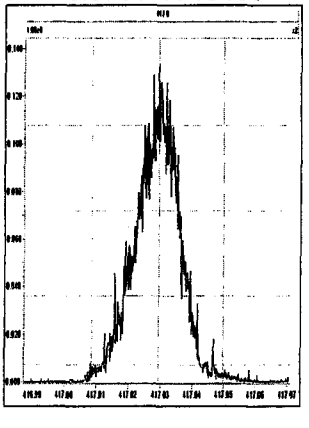
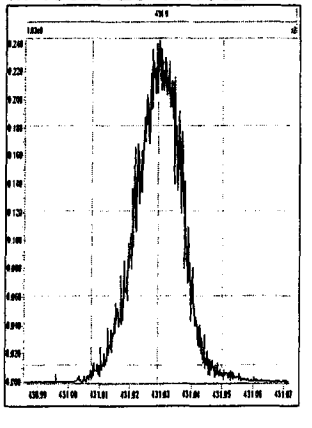


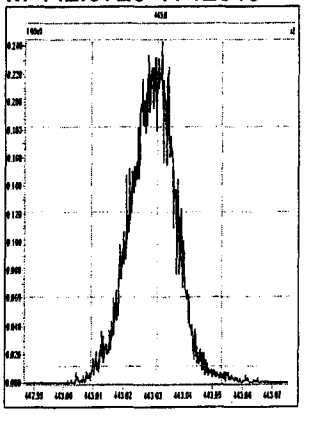
M 416.9760 R 13450



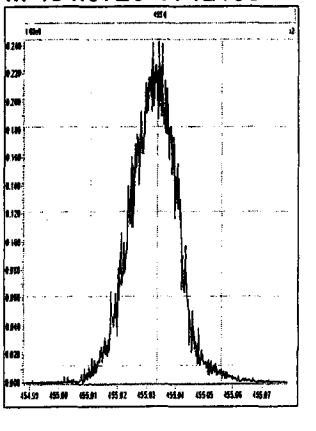
M 430.9728 R 13522



M 442.9728 R 12919



M 454.9728 R 12135



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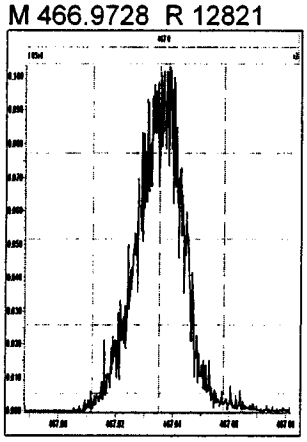

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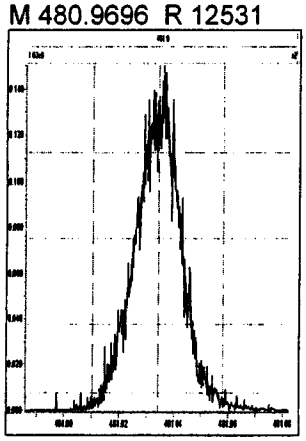

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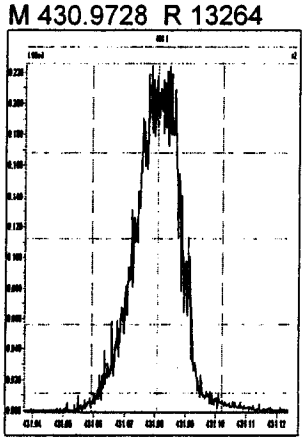

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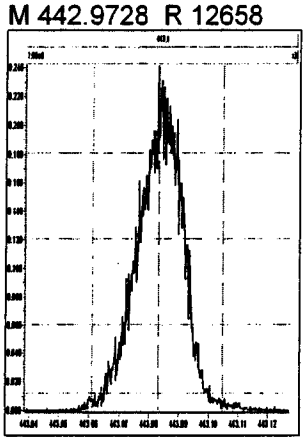

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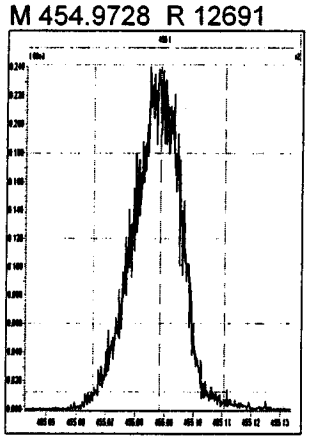

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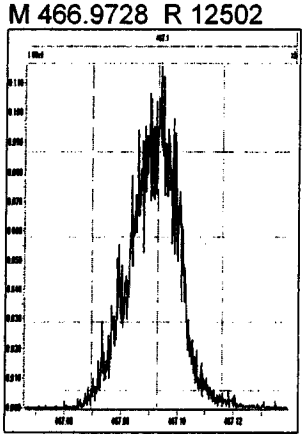

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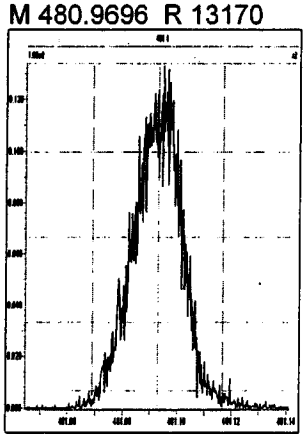
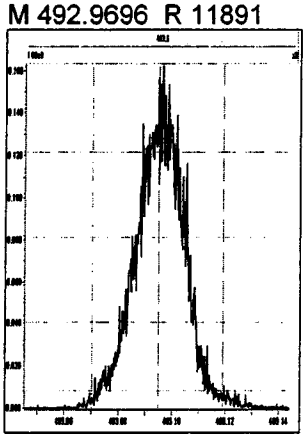


M 492.9696 R 11891



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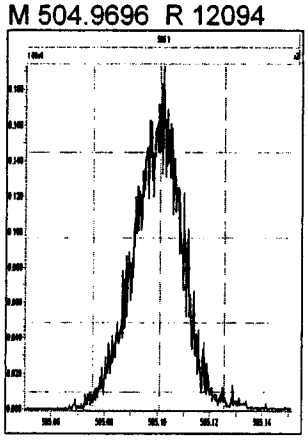
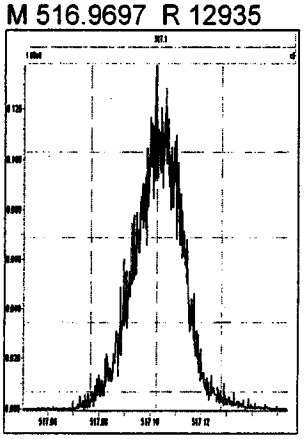


M 516.9697 R 12935



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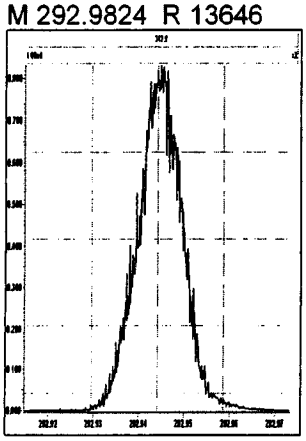
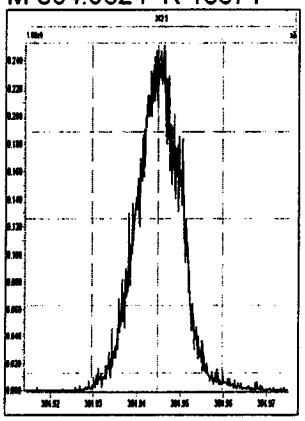
M 292.9824 R 13646



M 304.9824 R 13371



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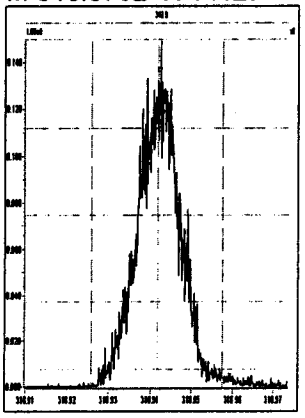
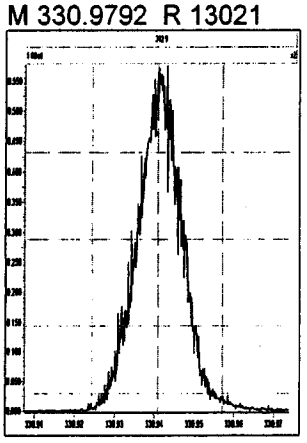
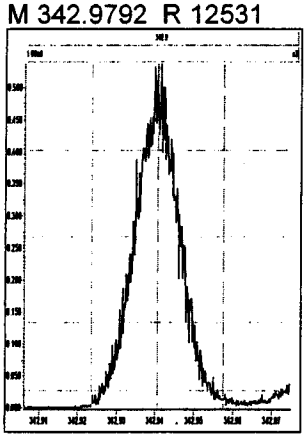


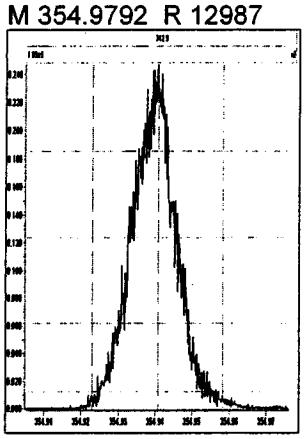
M 330.9792 R 13021



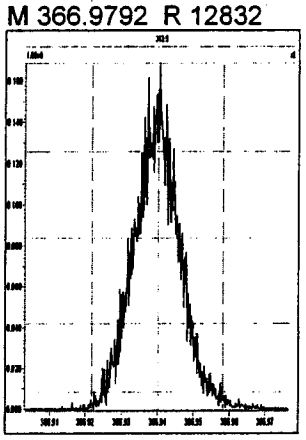
M 342.9792 R 12531



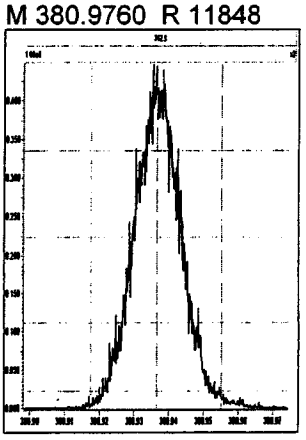
M 354.9792 R 12987



M 366.9792 R 12832



M 380.9760 R 11848



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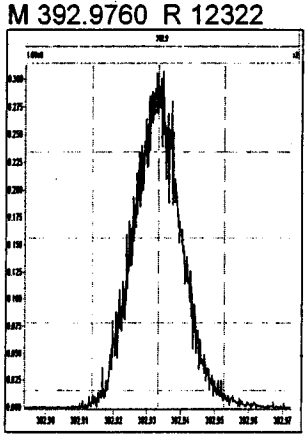

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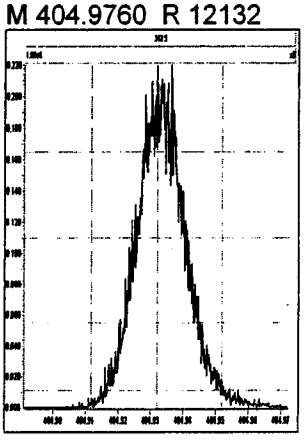
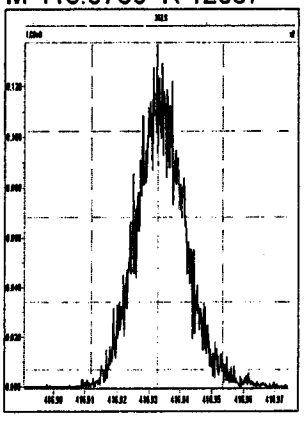
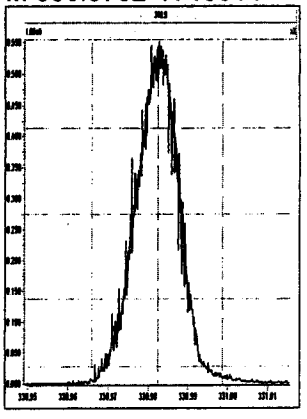


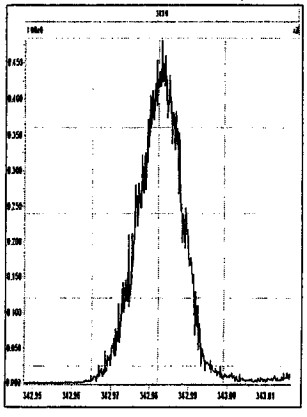
M 416.9760 R 12857



M 330.9792 R 13514



M 342.9792 R 13586



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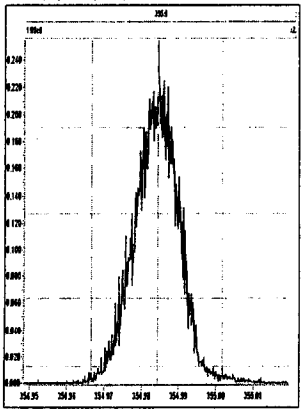
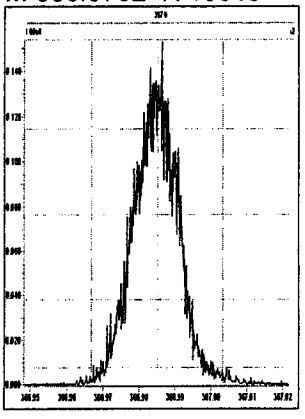
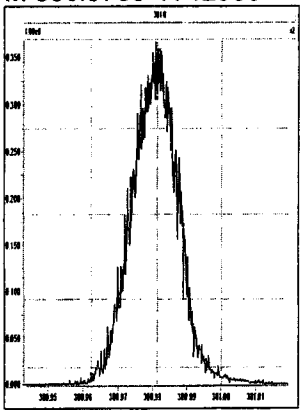


M 366.9792 R 13813



M 380.9760 R 12988



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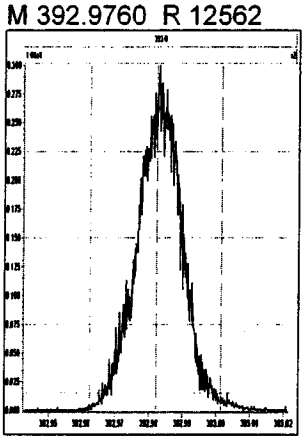

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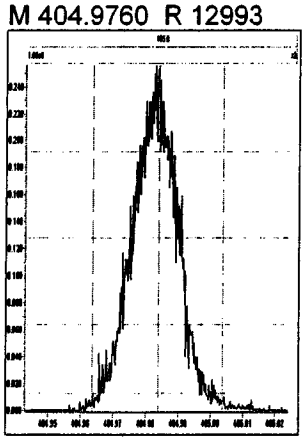

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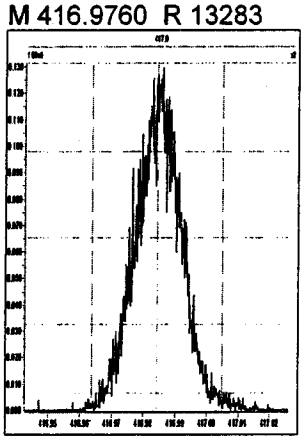

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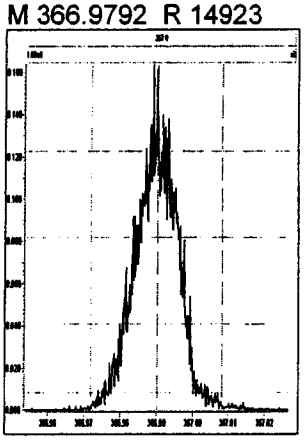
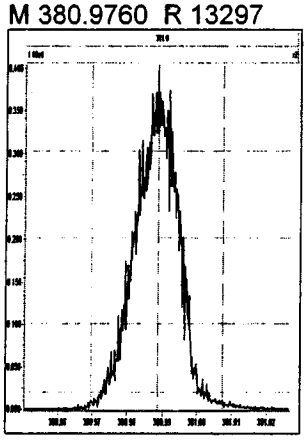


M 380.9760 R 13297



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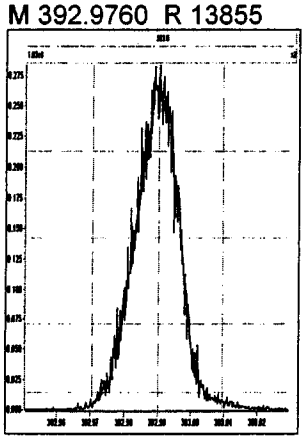
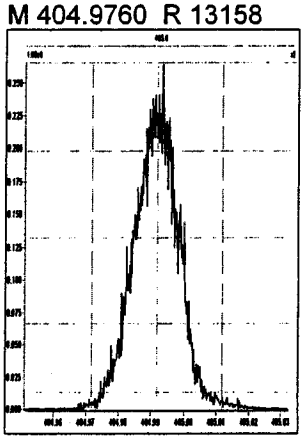
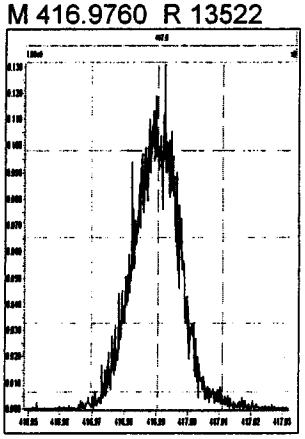


M 404.9760 R 13158



M 416.9760 R 13522



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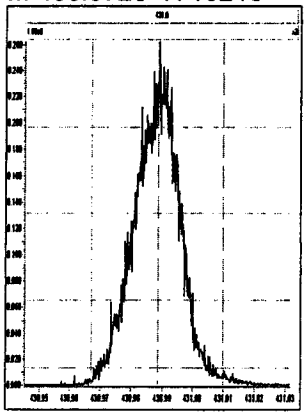
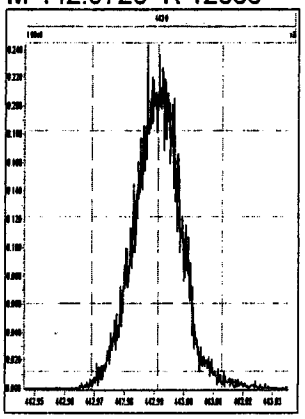


M 442.9728 R 12836



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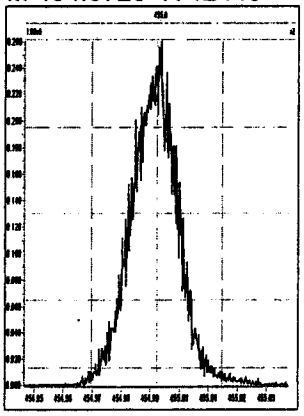
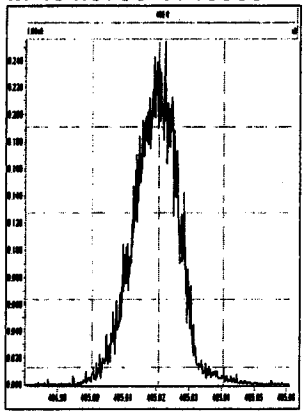


M 404.9760 R 13850



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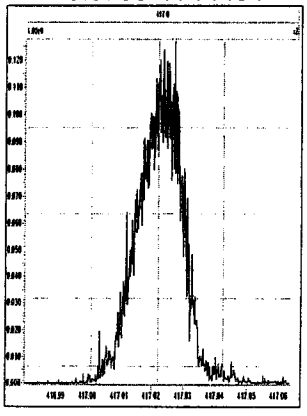

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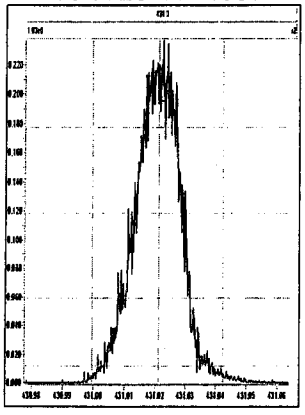
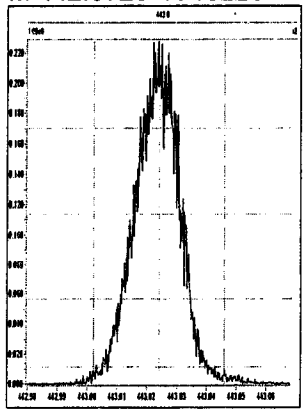
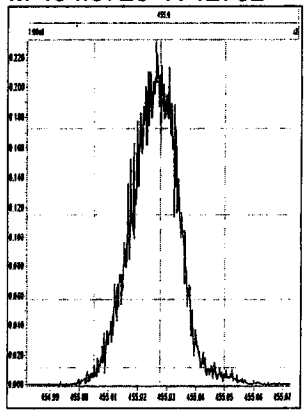


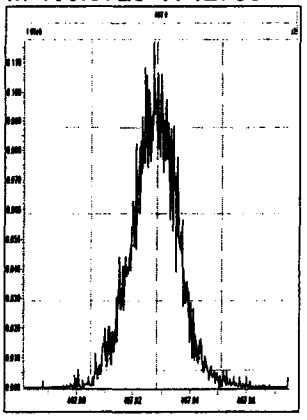
M 442.9728 R 13228



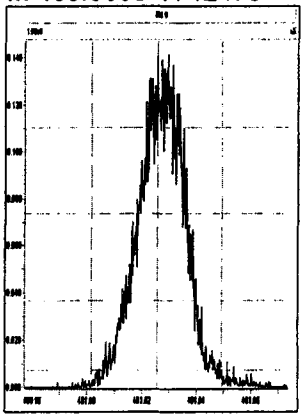
M 454.9728 R 12762



M 466.9728 R 12736



M 480.9696 R 12475



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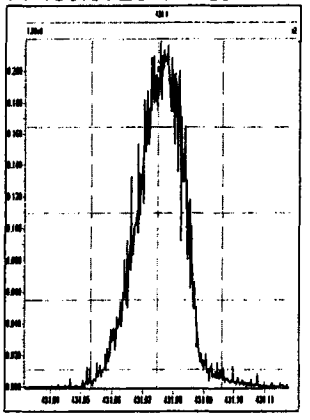

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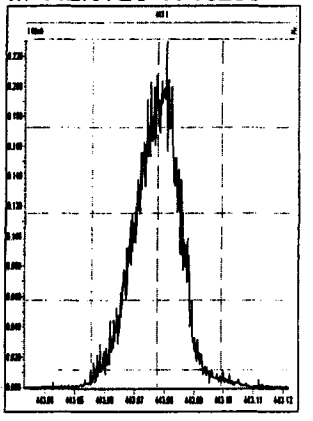

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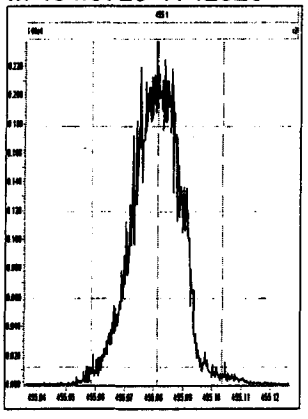

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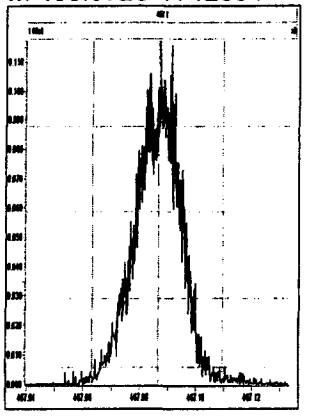

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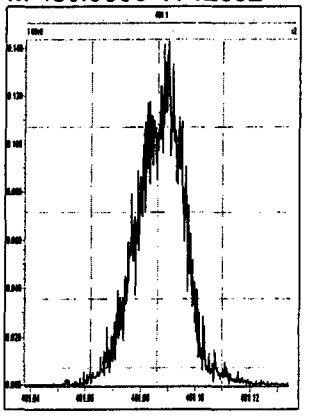
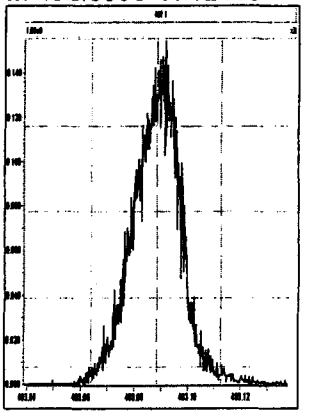
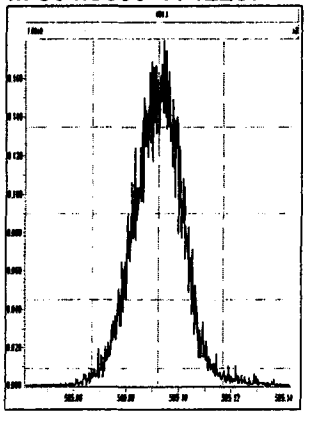


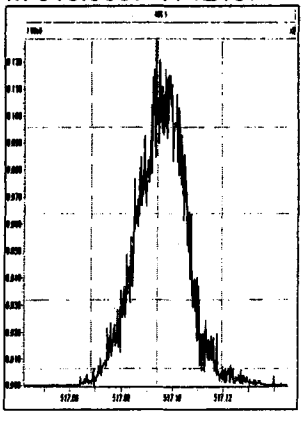
M 492.9696 R 12419



M 504.9696 R 12257



M 516.9697 R 12137



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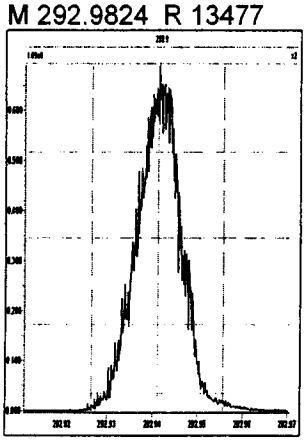
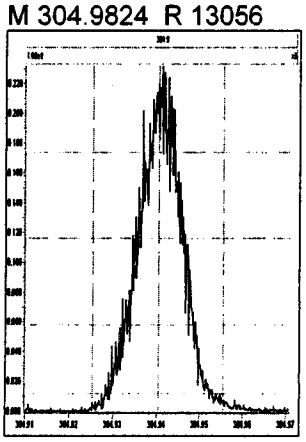


M 304.9824 R 13056



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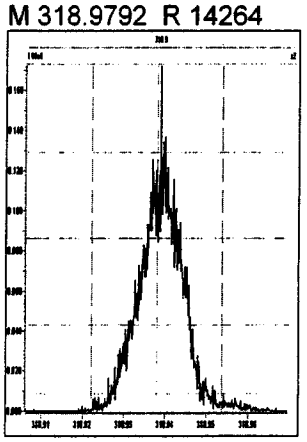

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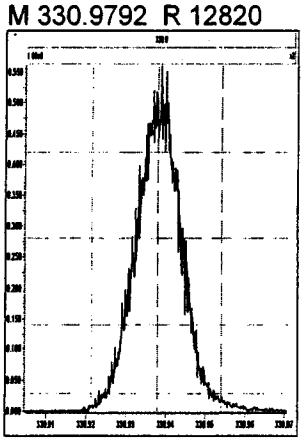
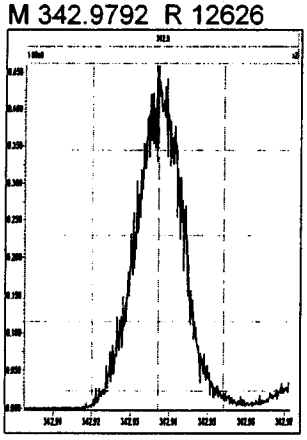


M 342.9792 R 12626



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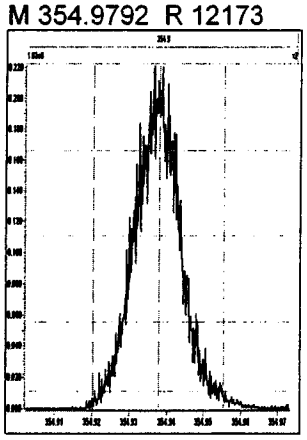

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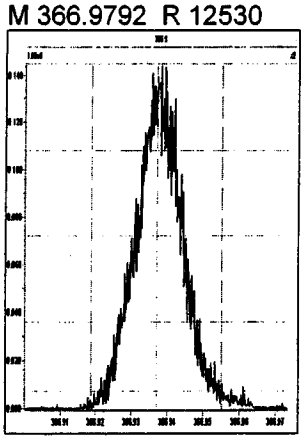
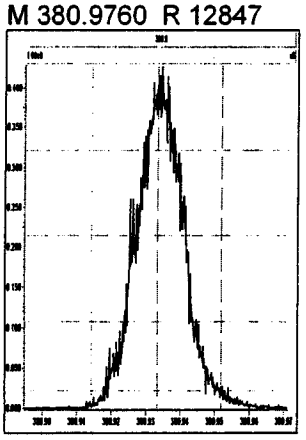


M 380.9760 R 12847



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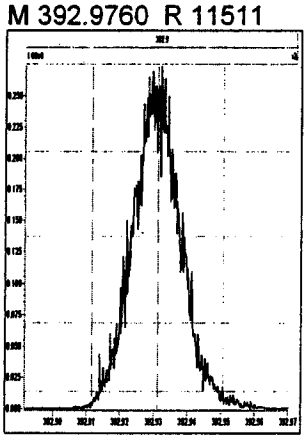

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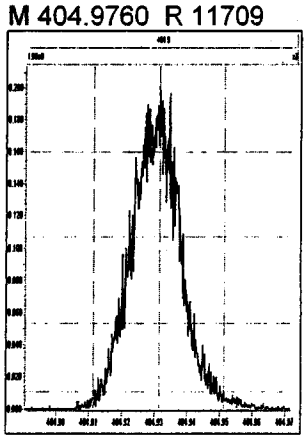

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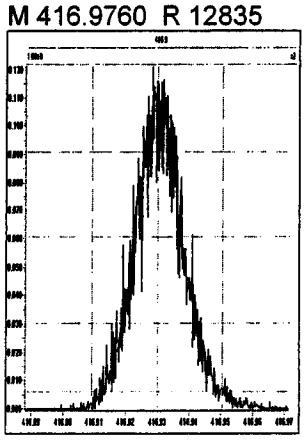

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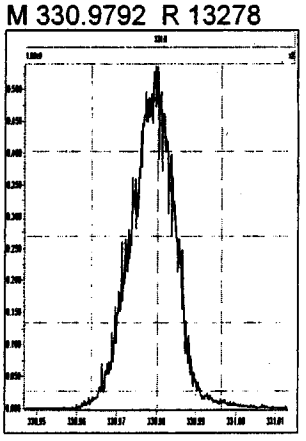

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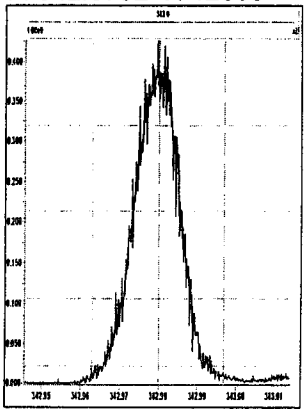

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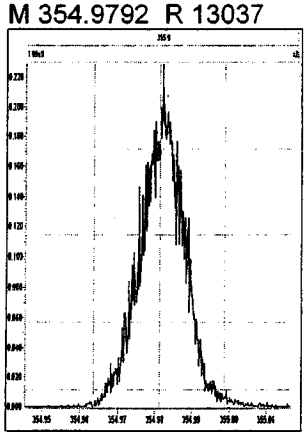

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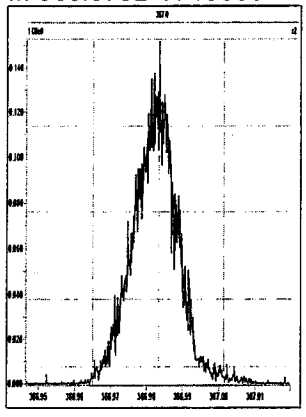

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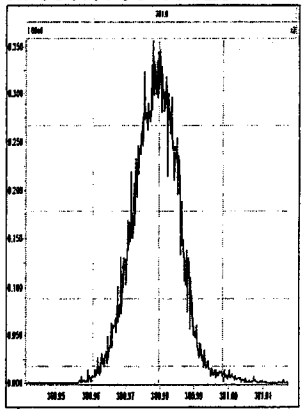

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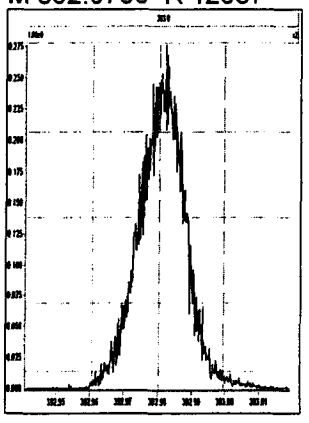

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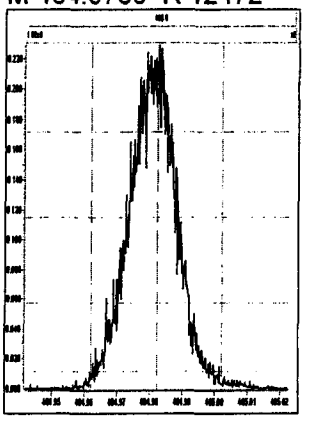
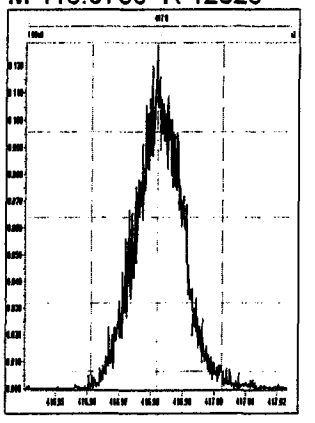


M 416.9760 R 12626



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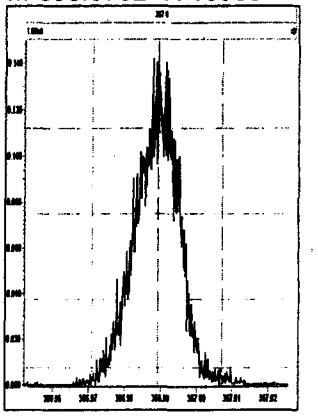

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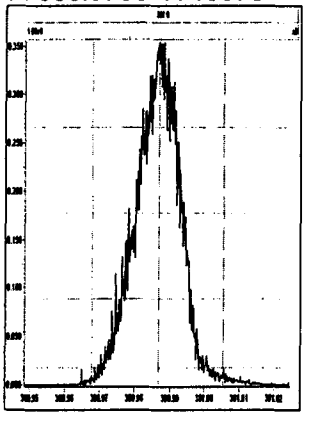

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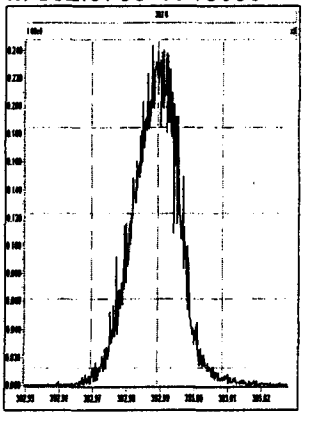

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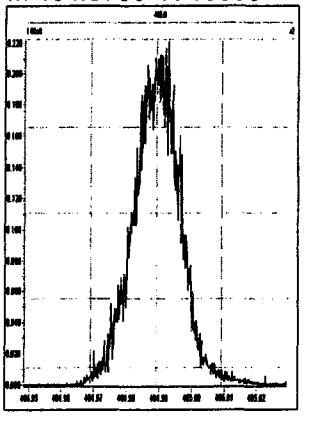

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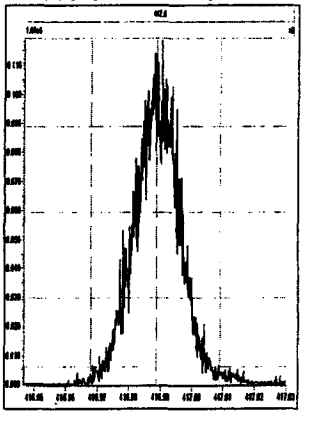

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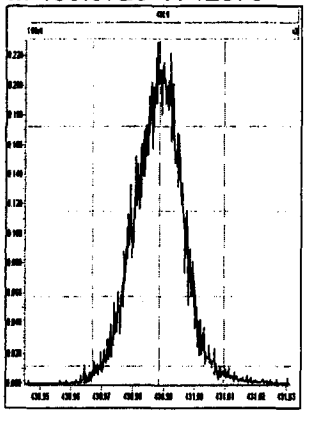
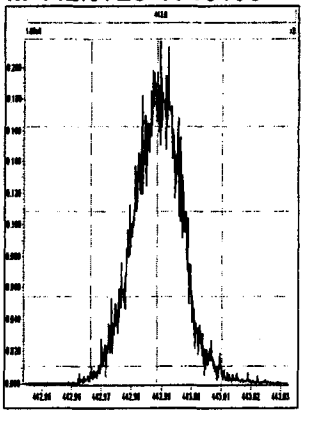


M 442.9728 R 13196



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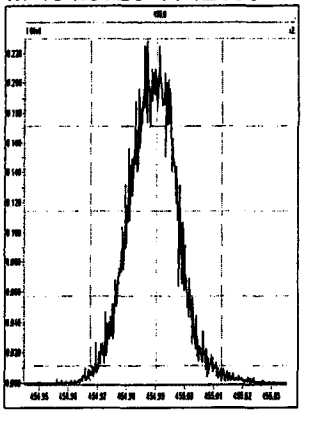

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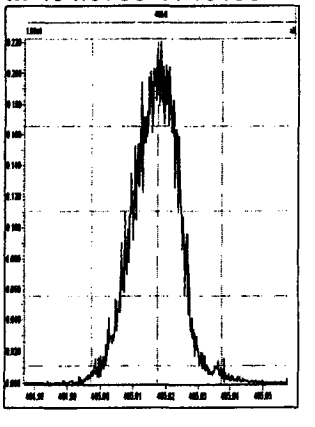

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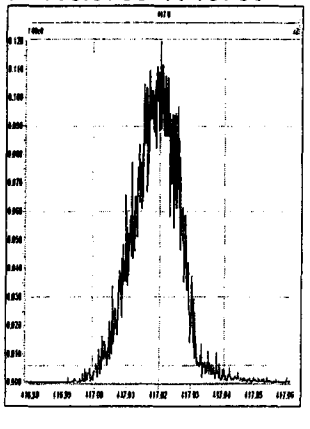

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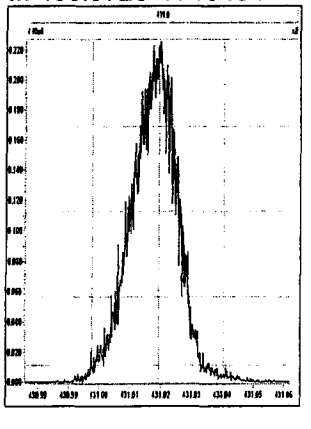

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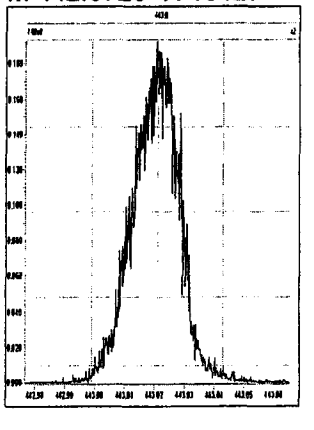

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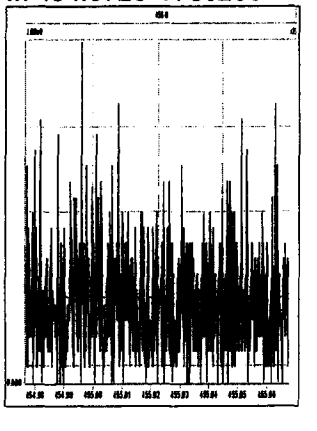

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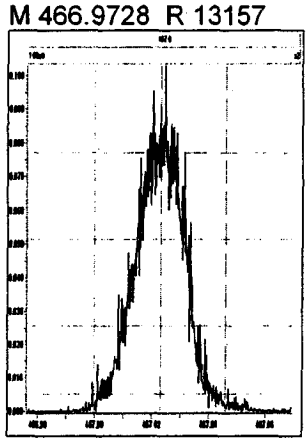
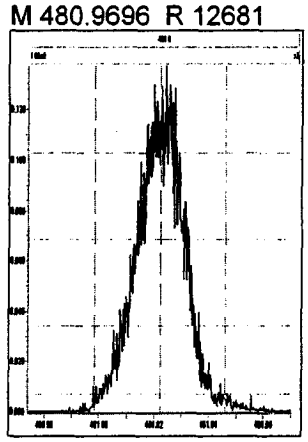
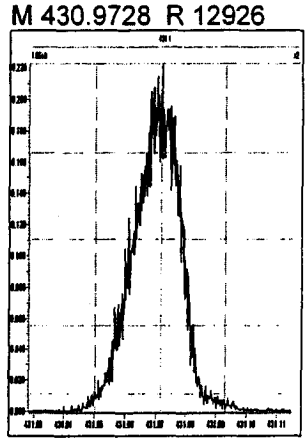


M 480.9696 R 12681



M 430.9728 R 12926



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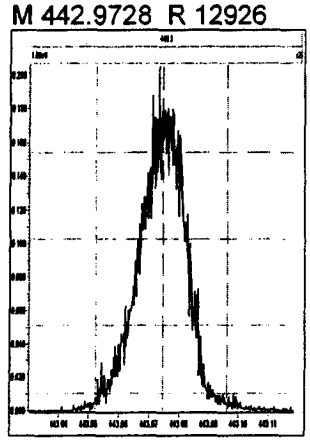

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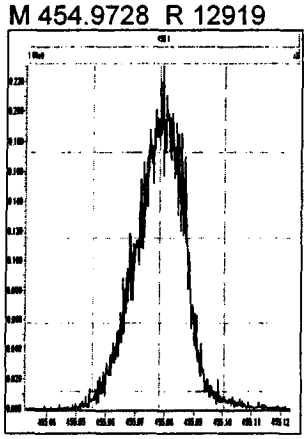

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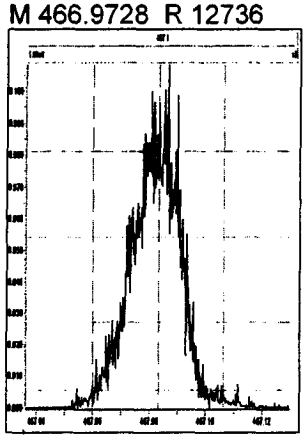

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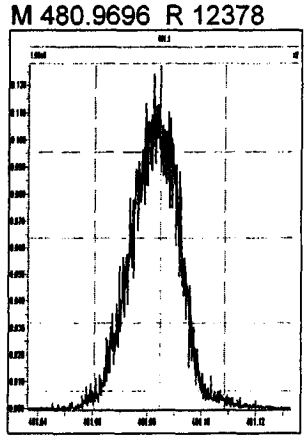

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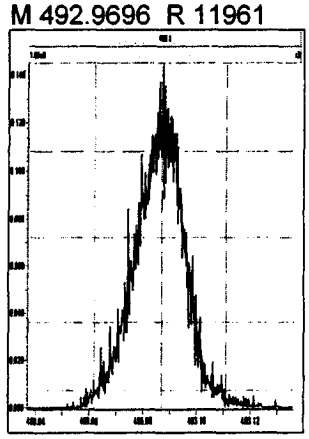
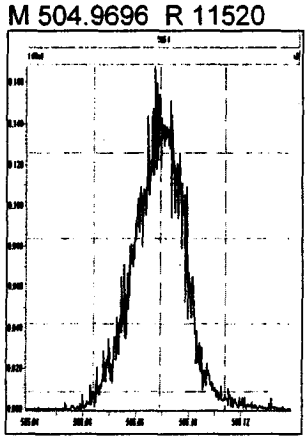


M 504.9696 R 11520



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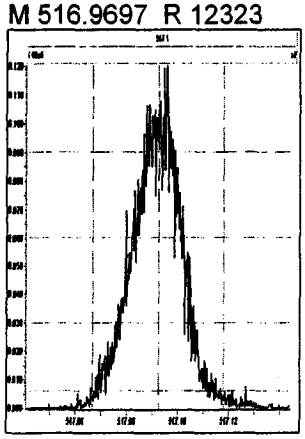

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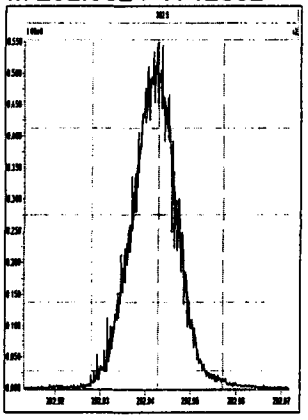
M 292.9824 R 12832



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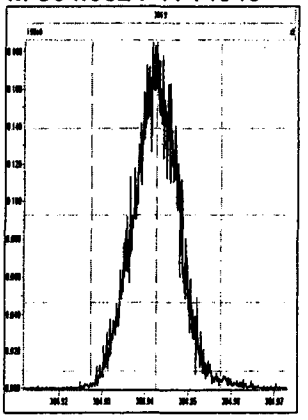
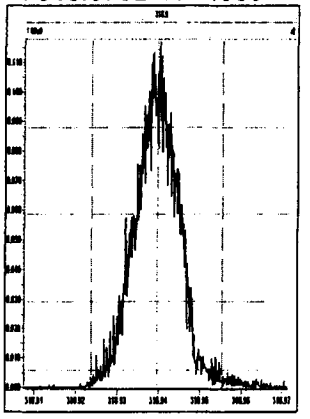
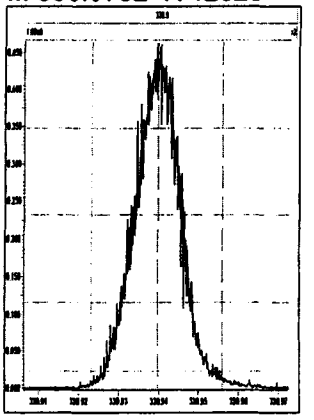


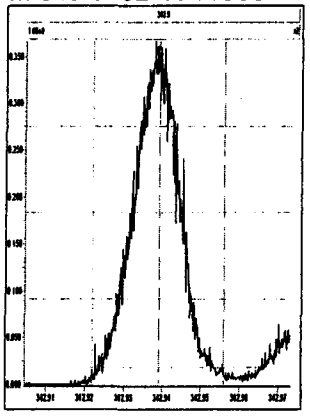
M 318.9792 R 14885



M 330.9792 R 12626



M 342.9792 R 11968



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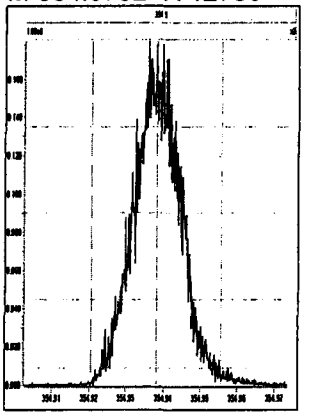

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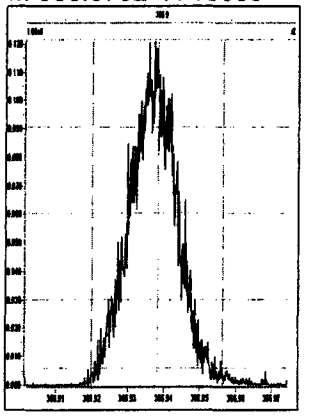
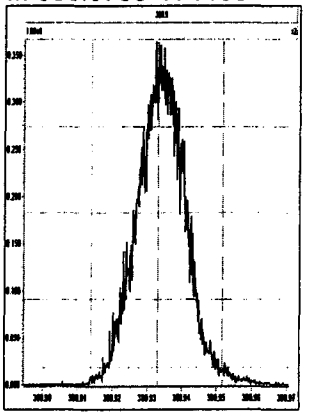


M 380.9760 R 11934



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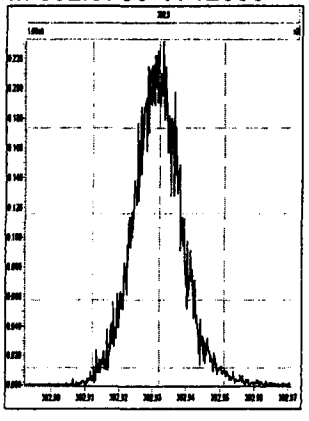
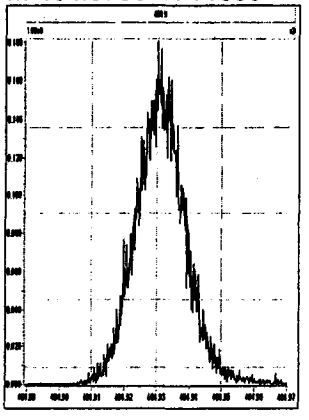
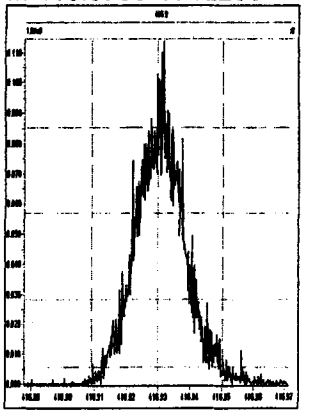


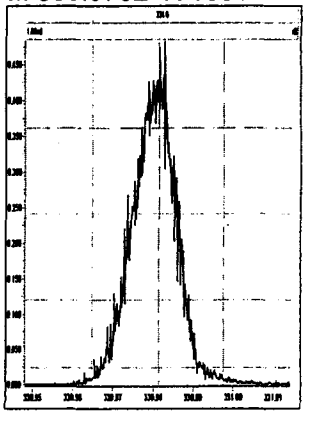
M 404.9760 R 11688



M 416.9760 R 12260



M 330.9792 R 13514



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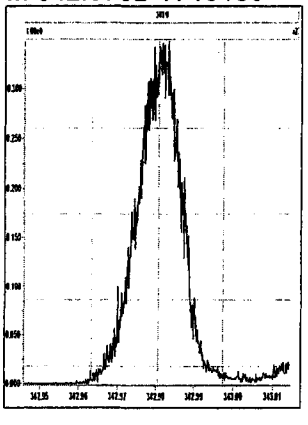
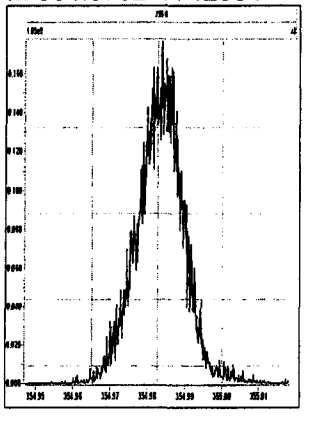
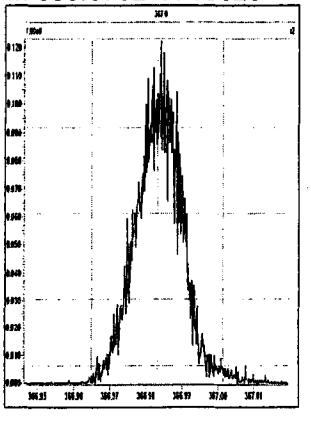


M 354.9792 R 12594



M 366.9792 R 13623



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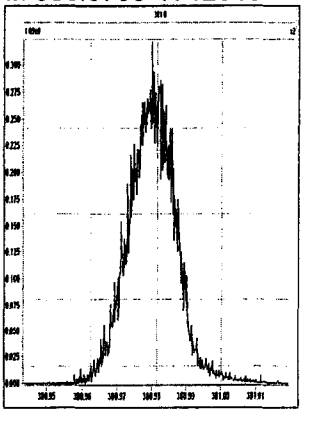

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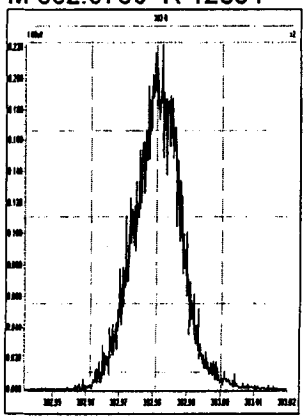

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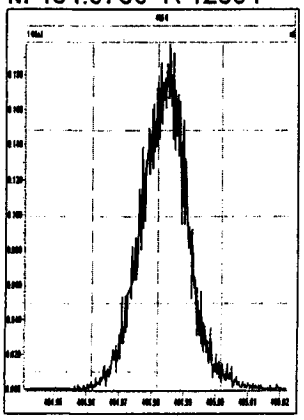

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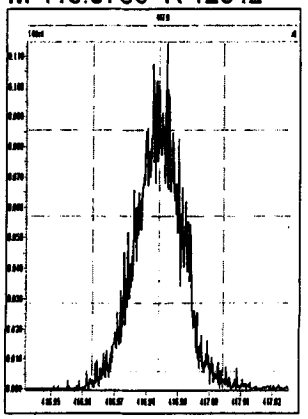

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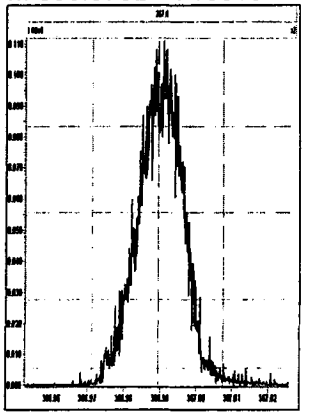

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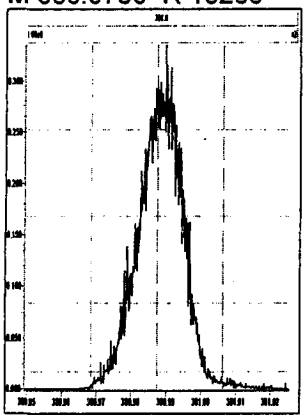

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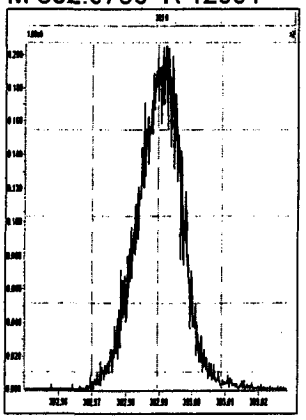

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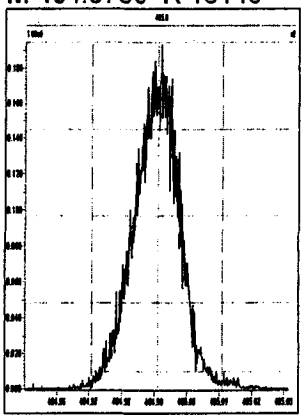

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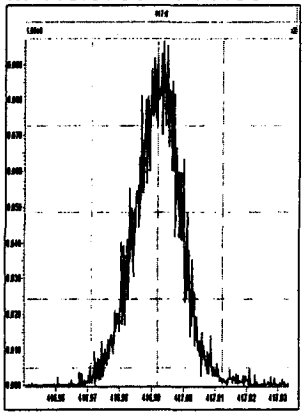
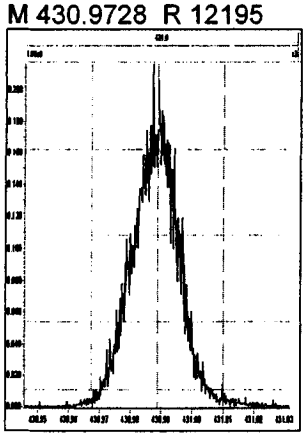


M 430.9728 R 12195



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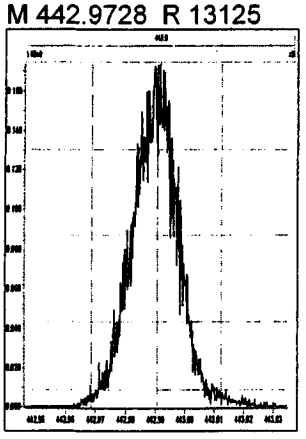
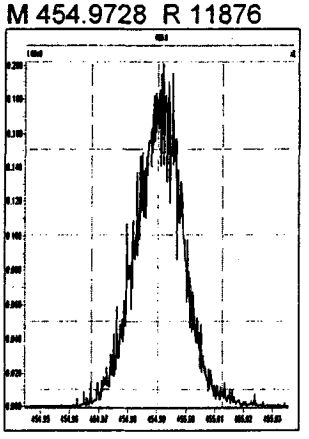


M 454.9728 R 11876



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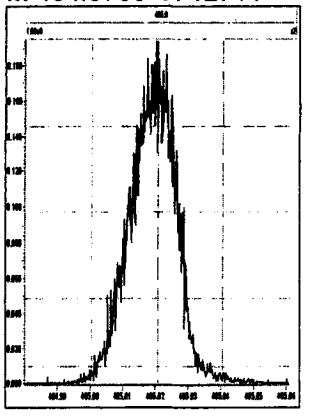

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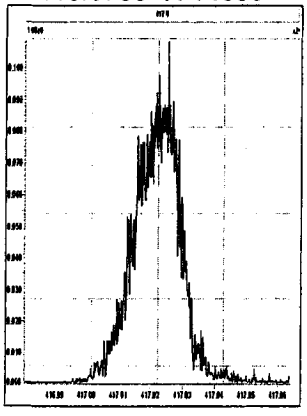

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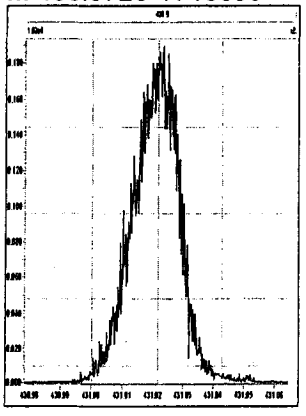

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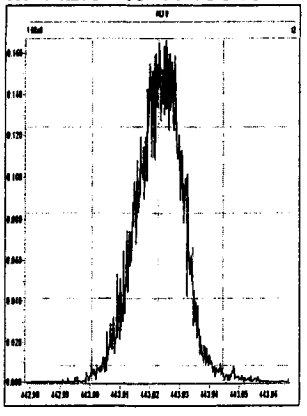

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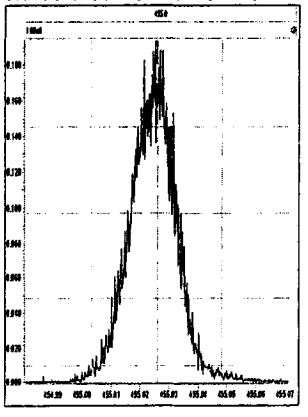

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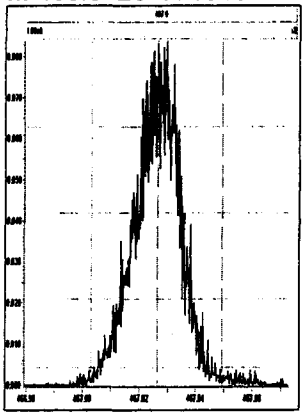
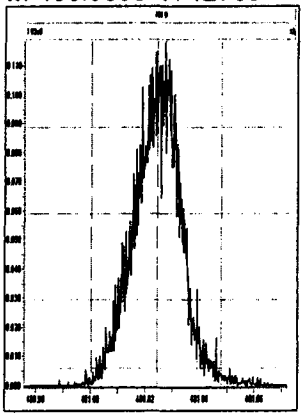
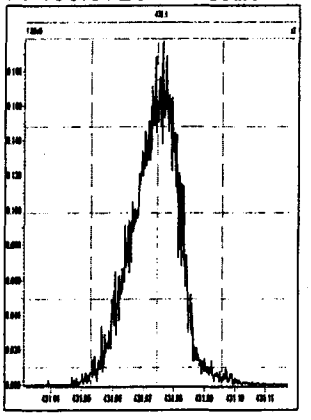


M 480.9696 R 12789



M 430.9728 R 12923



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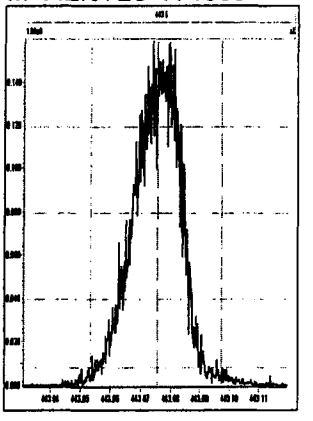

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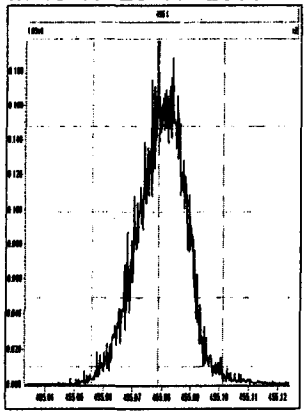
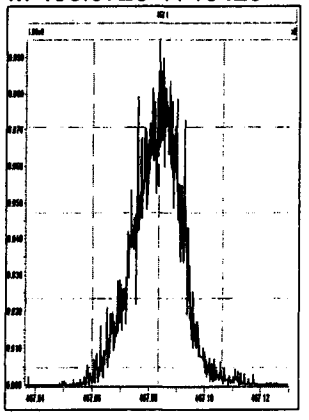


M 466.9728 R 13426



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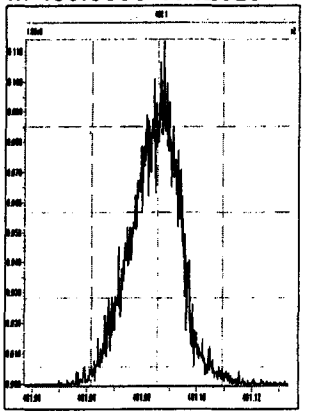

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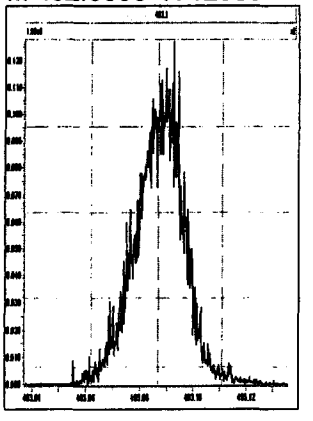
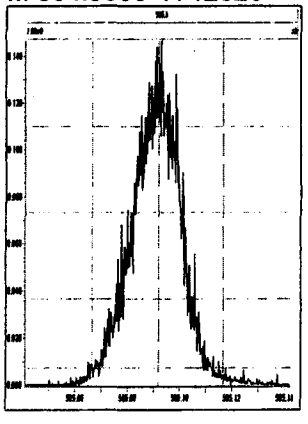
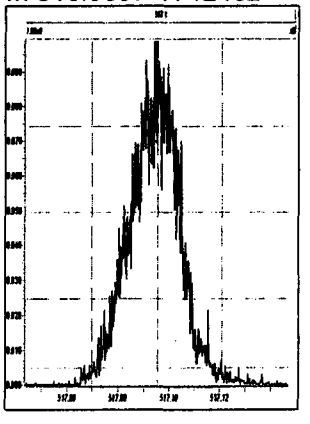


M 504.9696 R 12023



M 516.9697 R 12462



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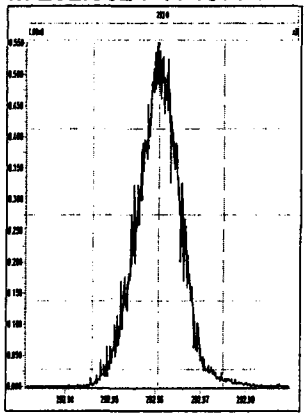
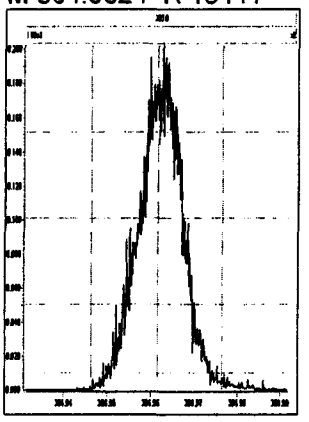
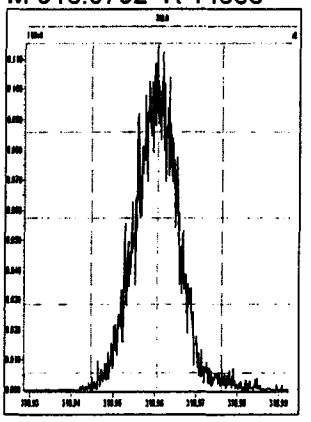


M 304.9824 R 13441



M 318.9792 R 14668



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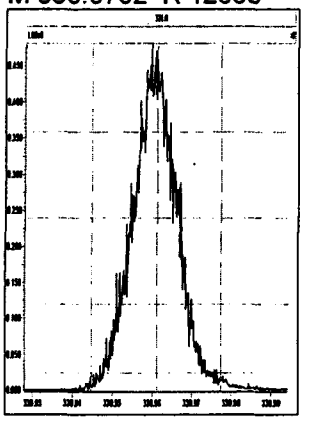
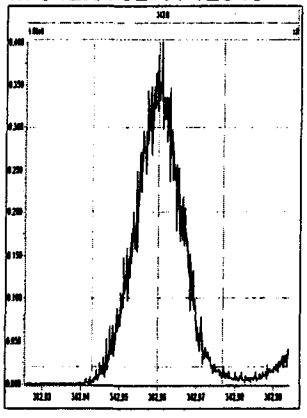


M 342.9792 R 12345



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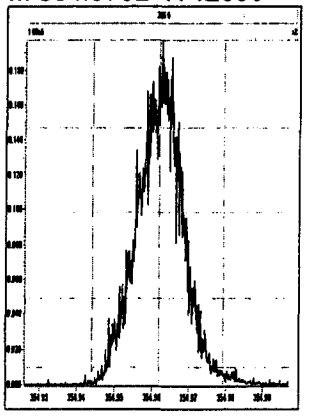
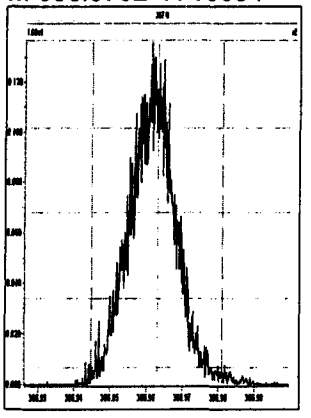
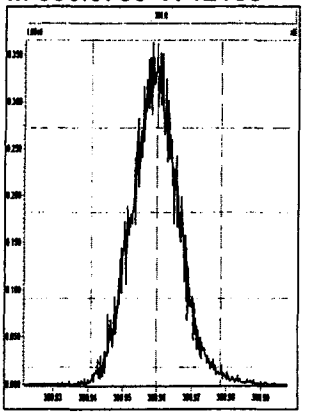


M 366.9792 R 13054



M 380.9760 R 12136



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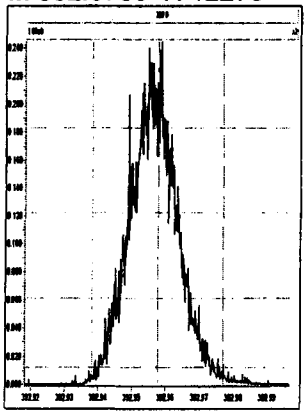

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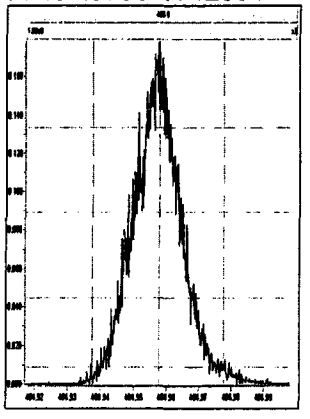

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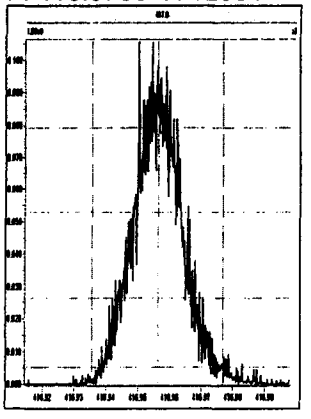

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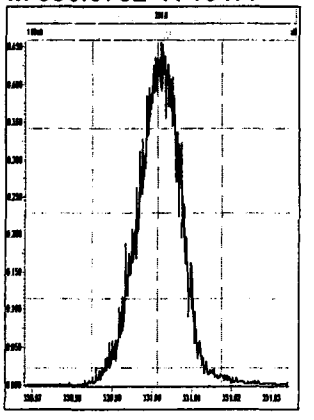

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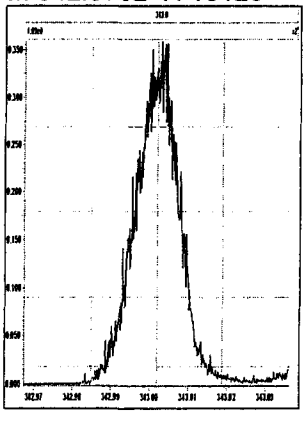

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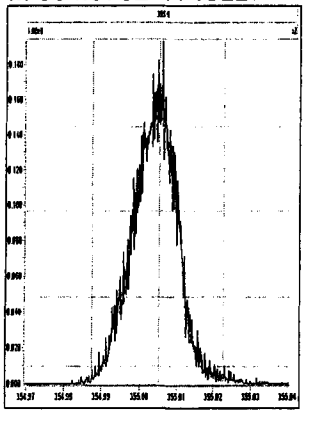
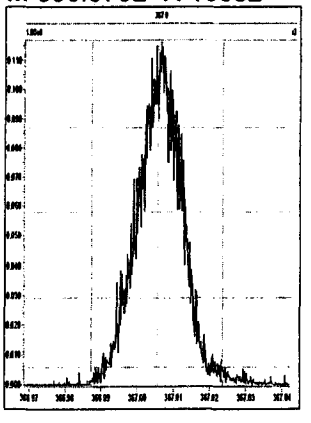
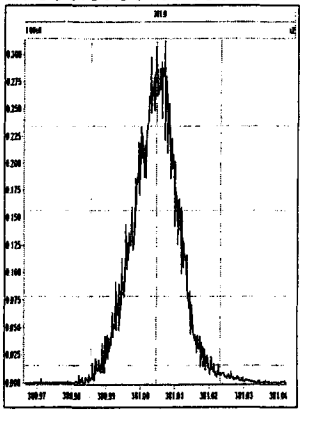


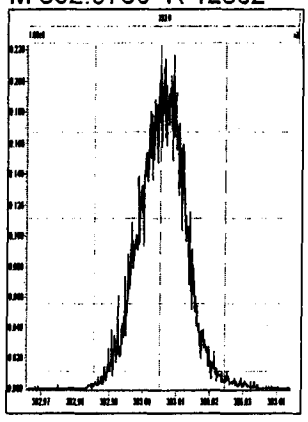
M 366.9792 R 13332



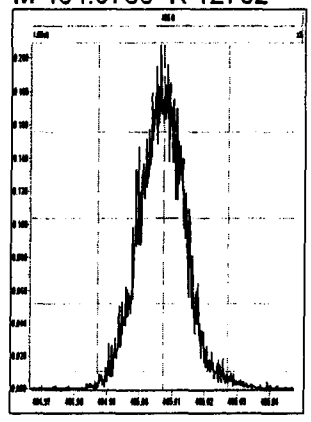
M 380.9760 R 13340



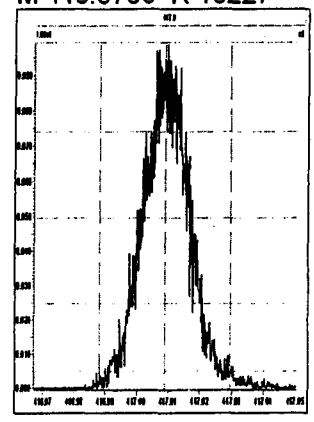
M 392.9760 R 12502



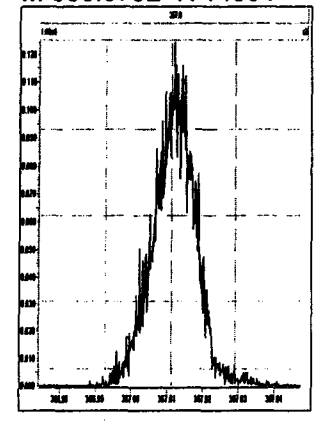
M 404.9760 R 12702



M 416.9760 R 13227



M 366.9792 R 14604



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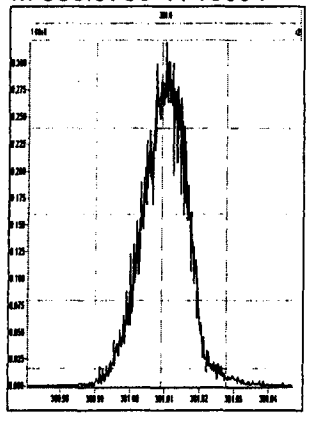
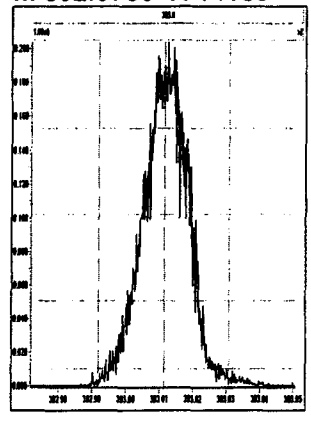
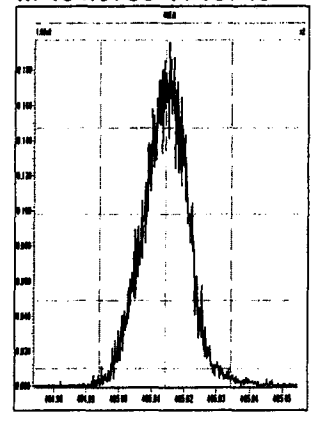


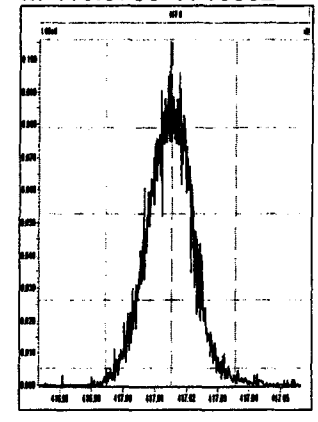
M 392.9760 R 14109



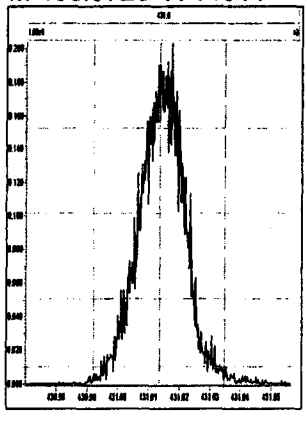
M 404.9760 R 13746



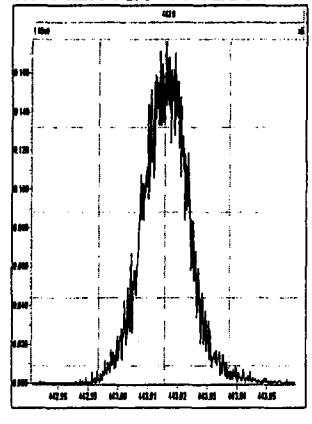
M 416.9760 R 13852



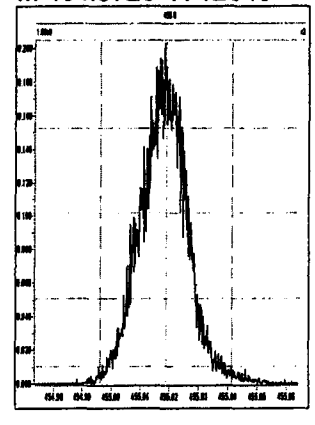
M 430.9728 R 14044



M 442.9728 R 12531



M 454.9728 R 12646



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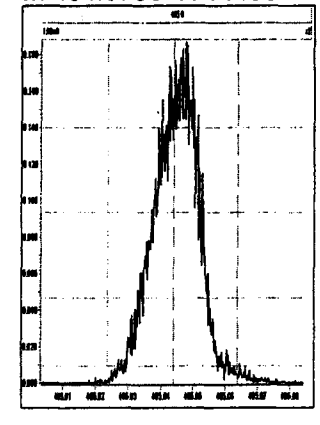

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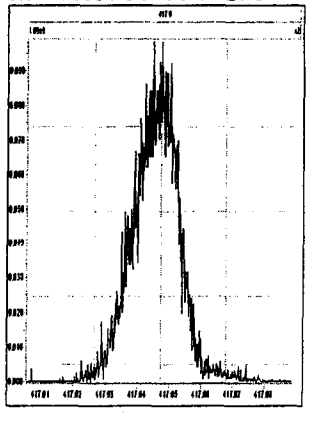

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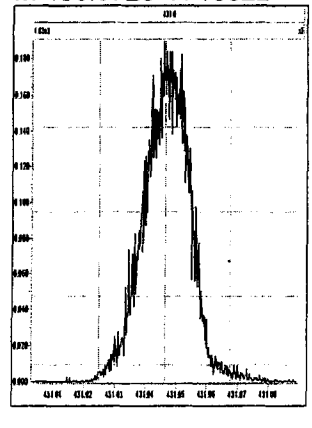
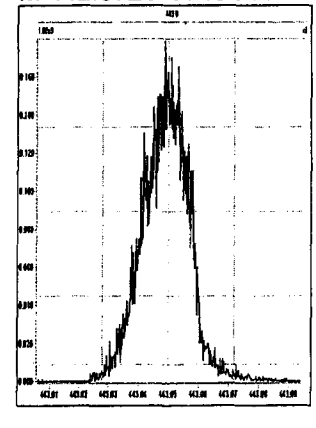
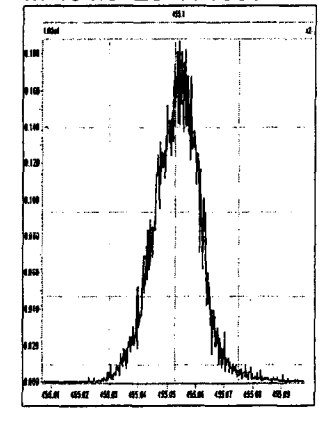


M 442.9728 R 12841



M 454.9728 R 13661



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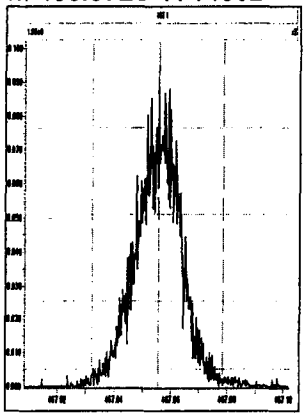
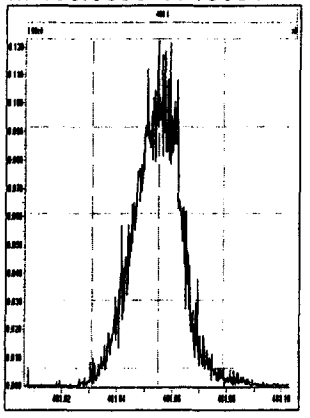
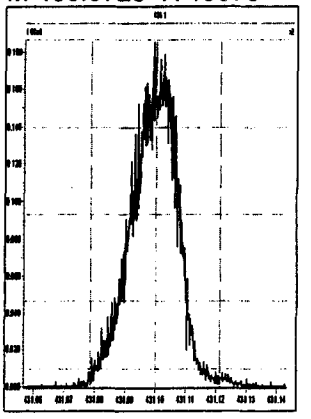
M 466.9728 R 14302



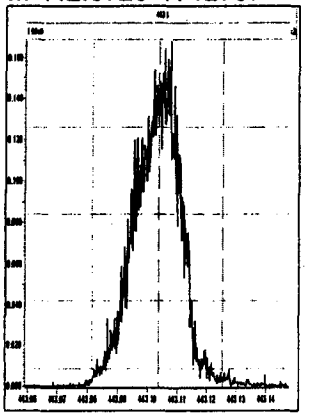
M 480.9696 R 13061



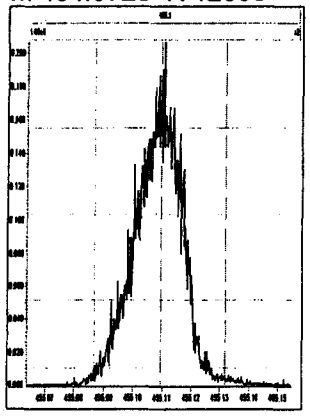
M 430.9728 R 13570



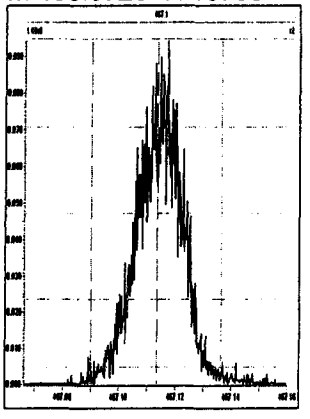
M 442.9728 R 12787



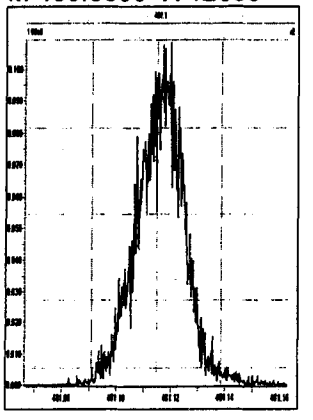
M 454.9728 R 12535



M 466.9728 R 13739



M 480.9696 R 12886



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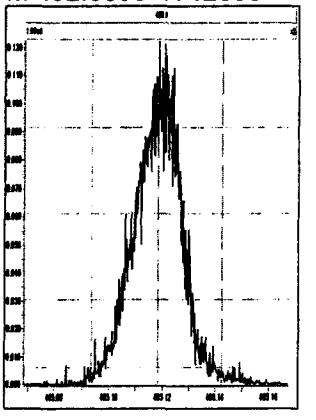
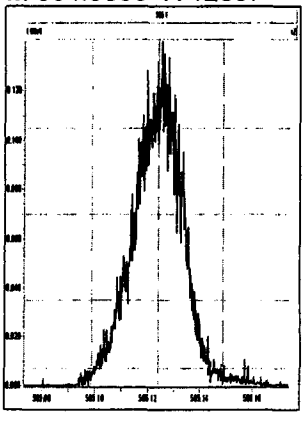
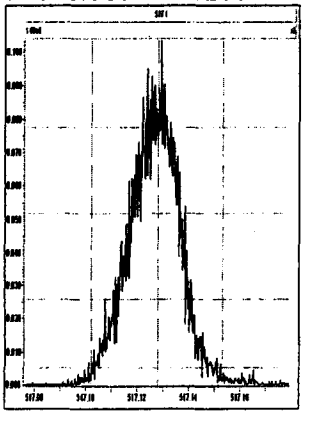


M 504.9696 R 12087



M 516.9697 R 12562



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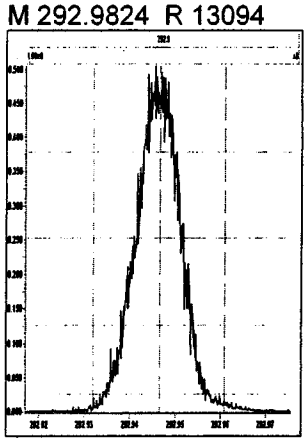
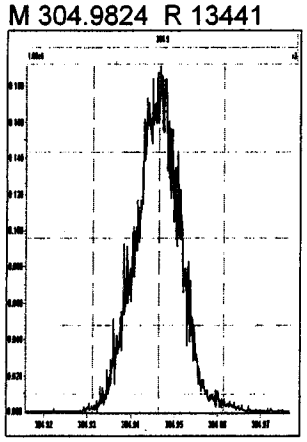
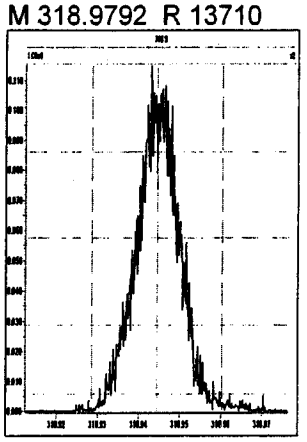
M 292.9824 R 13094



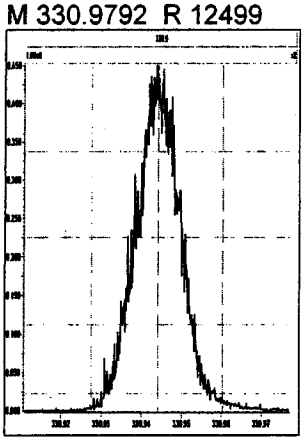
M 304.9824 R 13441



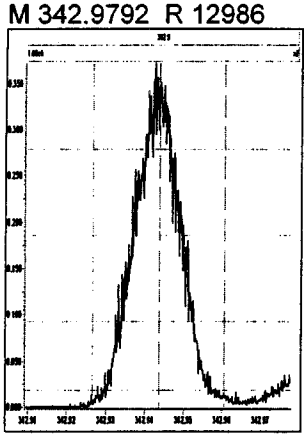
M 318.9792 R 13710



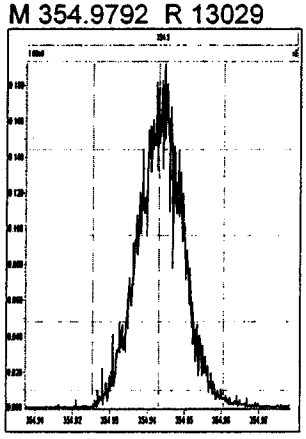
M 330.9792 R 12499



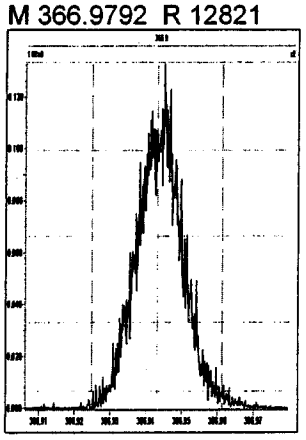
M 342.9792 R 12986



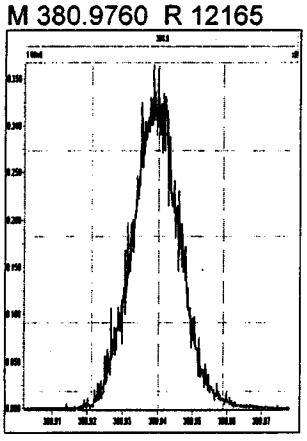
M 354.9792 R 13029



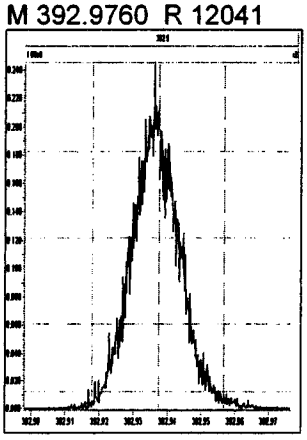
M 366.9792 R 12821



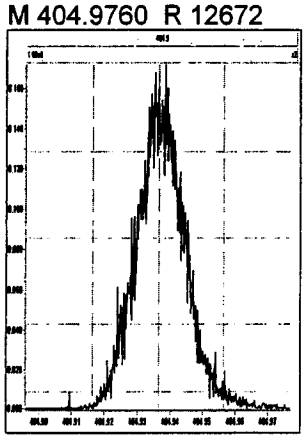
M 380.9760 R 12165



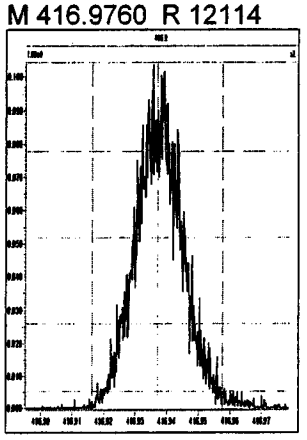
M 392.9760 R 12041



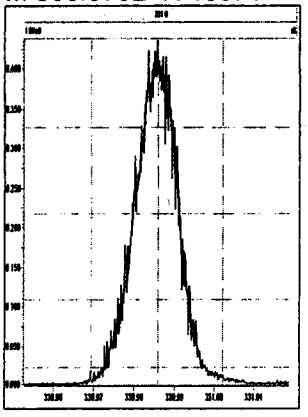
M 404.9760 R 12672



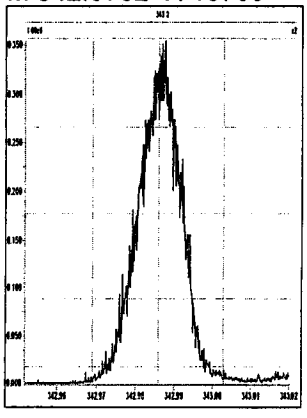
M 416.9760 R 12114



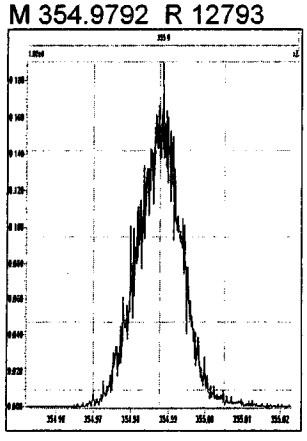
M 330.9792 R 13371



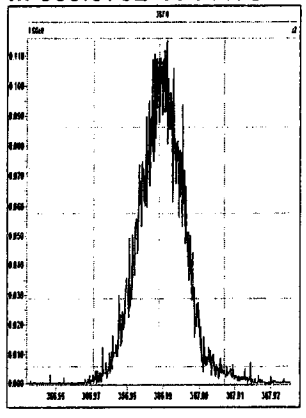
M 342.9792 R 13739



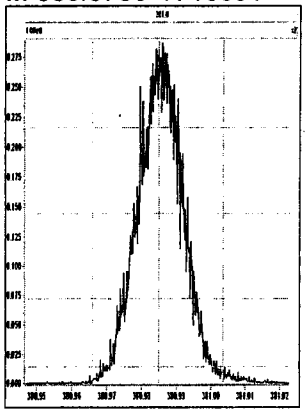
M 354.9792 R 12793



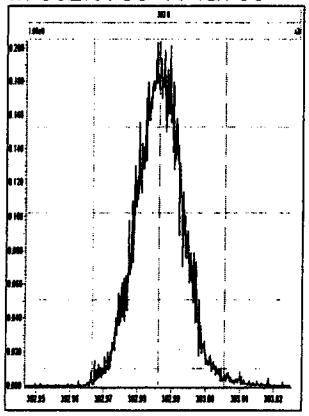
M 366.9792 R 14173



M 380.9760 R 13091



M 392.9760 R 12755



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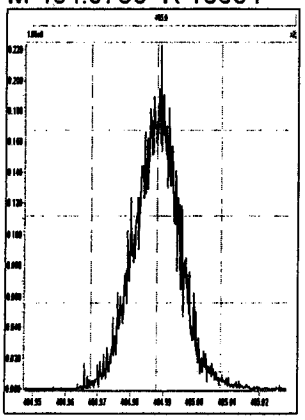
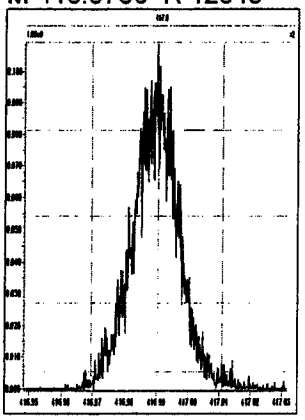
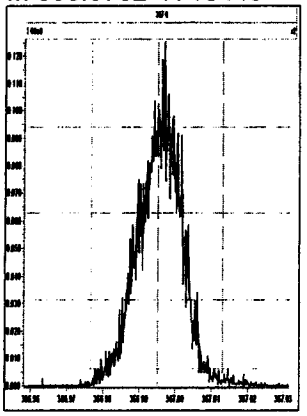


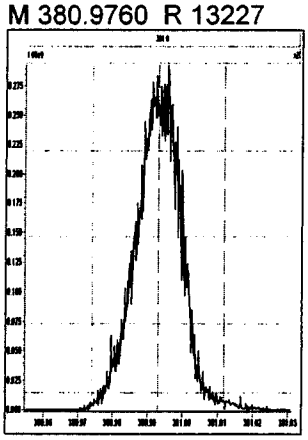
M 416.9760 R 12548



M 366.9792 R 13446



M 380.9760 R 13227



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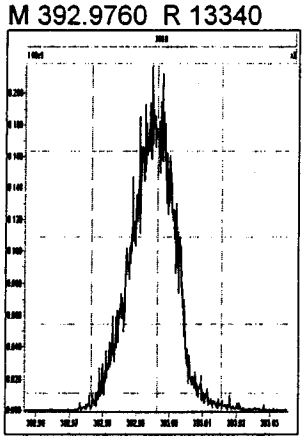
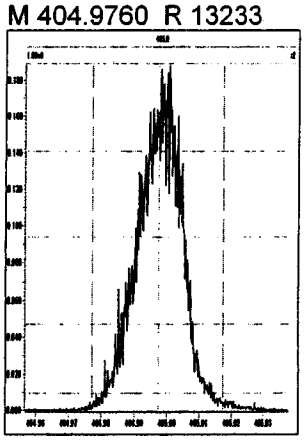
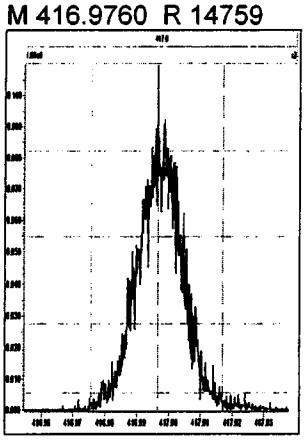


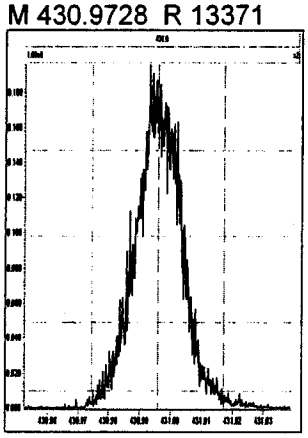
M 404.9760 R 13233



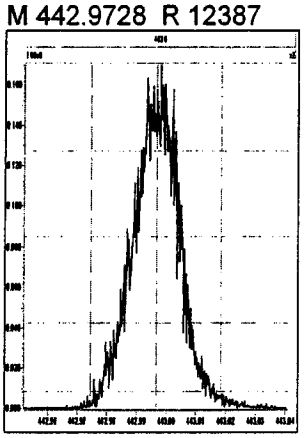
M 416.9760 R 14759



M 430.9728 R 13371



M 442.9728 R 12387



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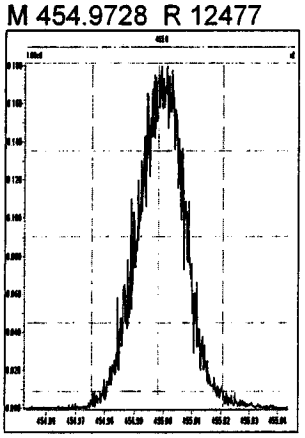

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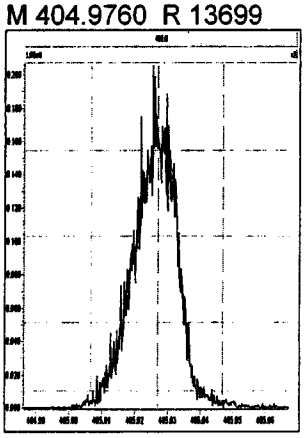
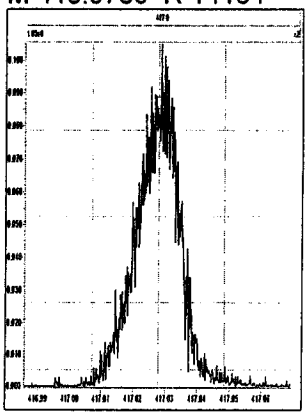
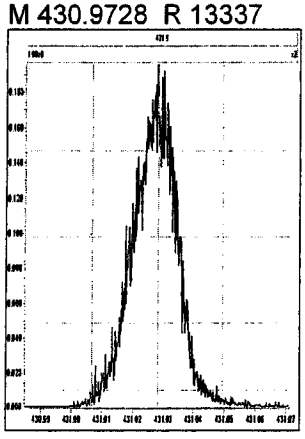


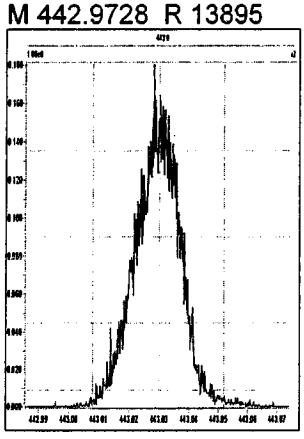
M 416.9760 R 14164



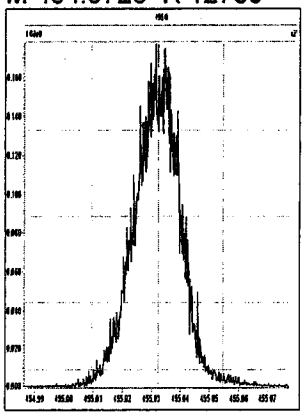
M 430.9728 R 13337



M 442.9728 R 13895

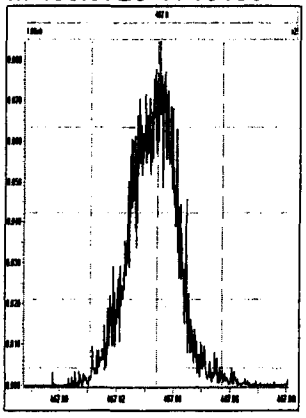


M 454.9728 R 12756

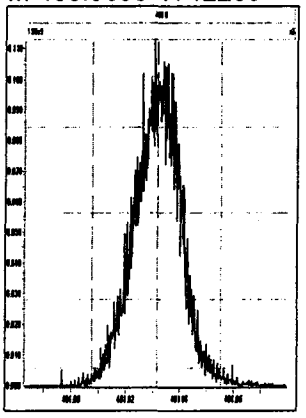


Printed: Friday, April 30, 2010 08:03:22 Pacific Daylight Time

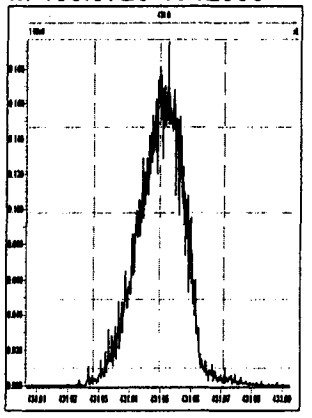
M 466.9728 R 13160



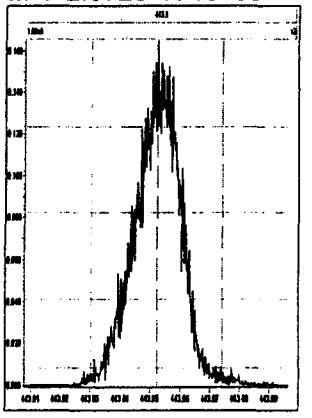
M 480.9696 R 12209



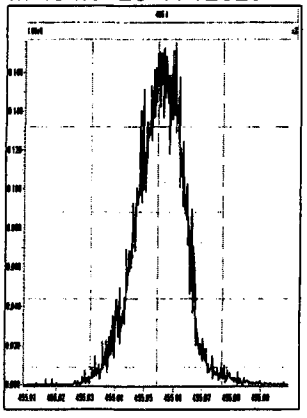
M 430.9728 R 12953



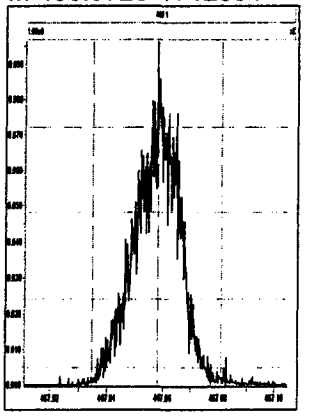
M 442.9728 R 13405



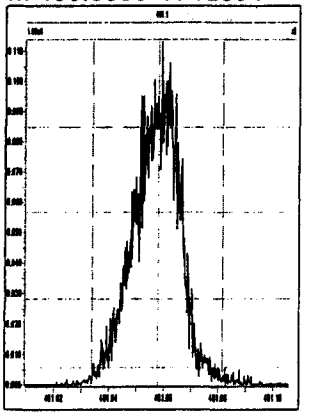
M 454.9728 R 12623



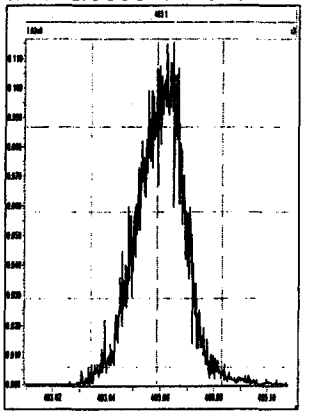
M 466.9728 R 12854



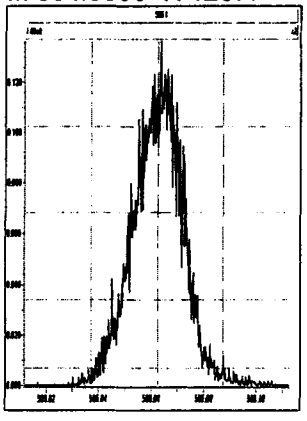
M 480.9696 R 12894



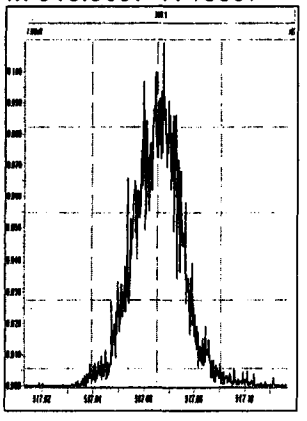
M 492.9696 R 13157



M 504.9696 R 12877



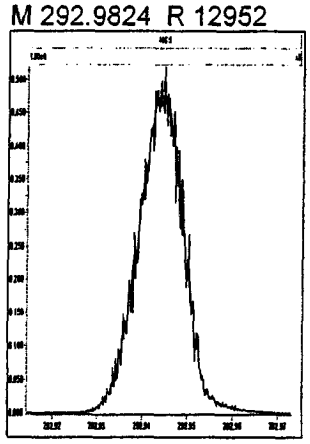
M 516.9697 R 13097



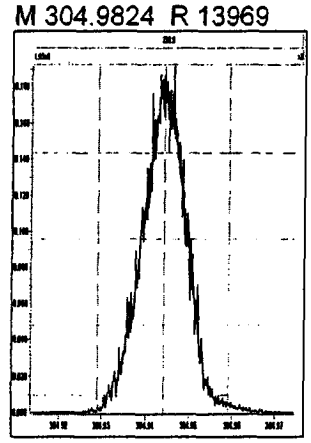
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, April 30, 2010 10:48:43 Pacific Daylight Time

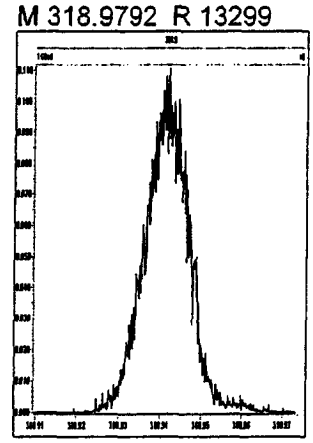
M 292.9824 R 12952



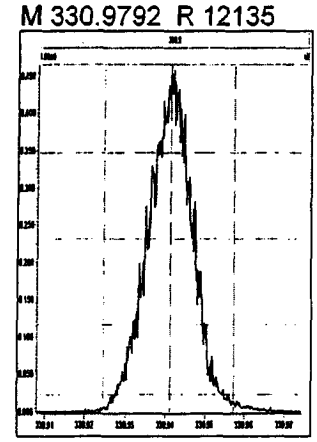
M 304.9824 R 13969



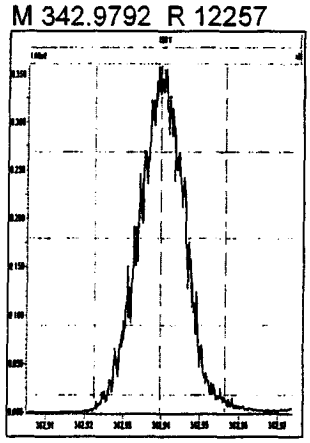
M 318.9792 R 13299



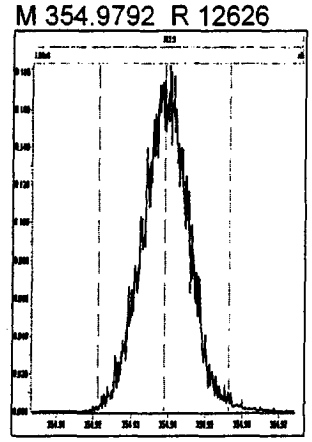
M 330.9792 R 12135



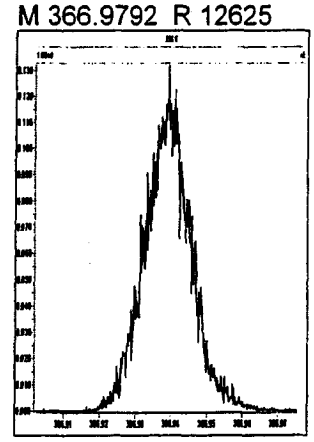
M 342.9792 R 12257



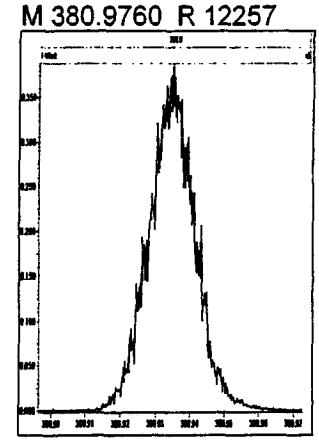
M 354.9792 R 12626



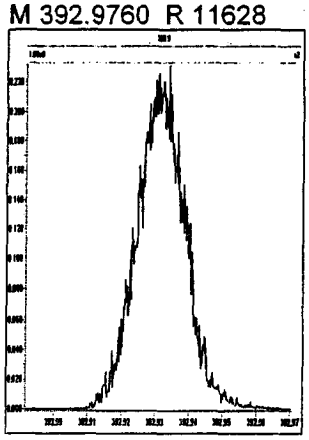
M 366.9792 R 12625



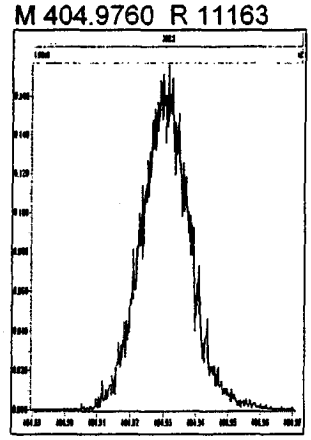
M 380.9760 R 12257



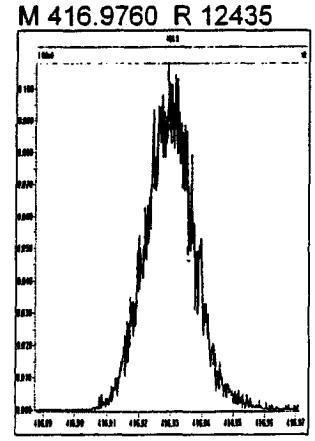
M 392.9760 R 11628



M 404.9760 R 11163



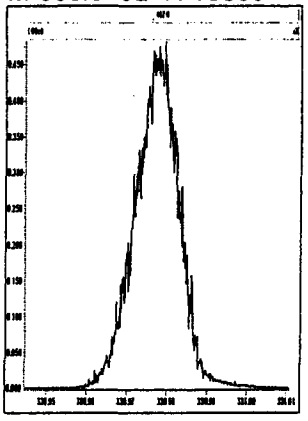
M 416.9760 R 12435



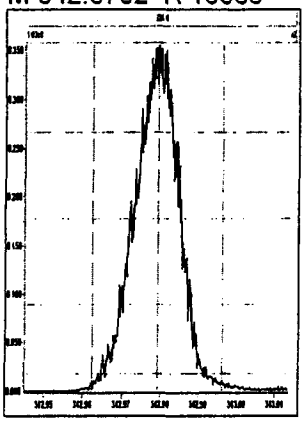
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, April 30, 2010 10:50:44 Pacific Daylight Time

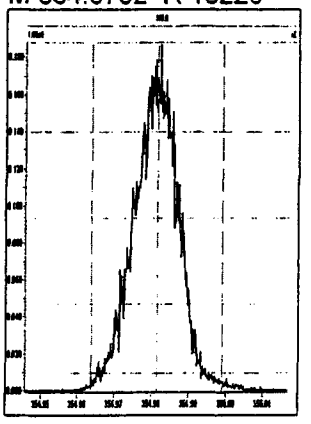
M 330.9792 R 13369



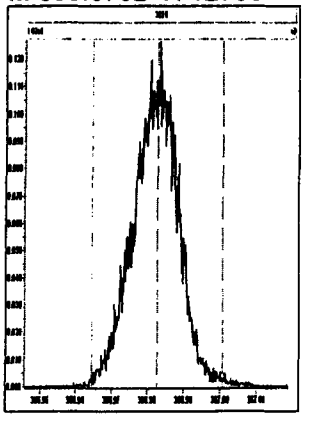
M 342.9792 R 13585



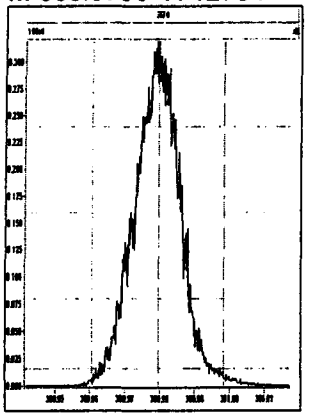
M 354.9792 R 13229



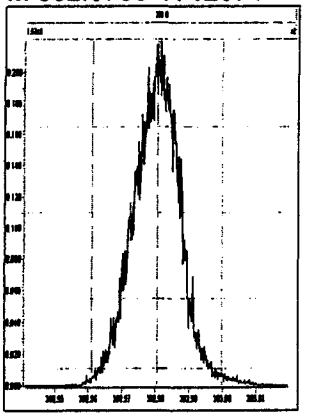
M 366.9792 R 12755



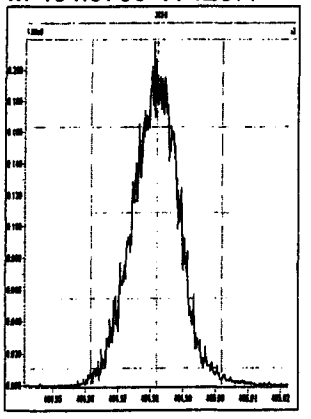
M 380.9760 R 12754



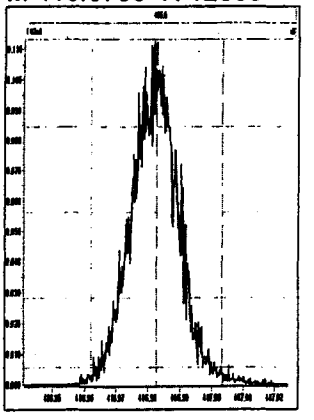
M 392.9760 R 12074



M 404.9760 R 12077



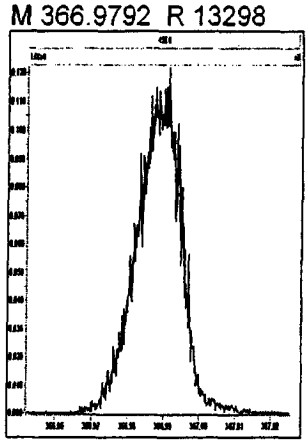
M 416.9760 R 12566



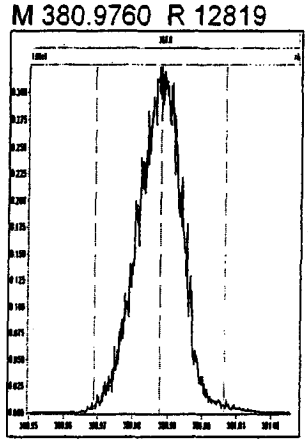
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, April 30, 2010 10:51:18 Pacific Daylight Time

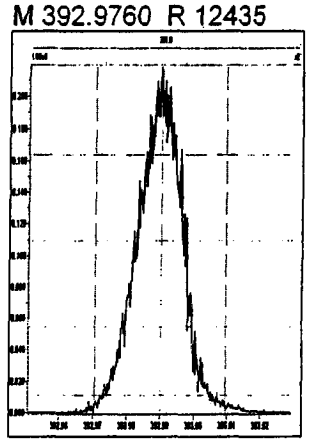
M 366.9792 R 13298



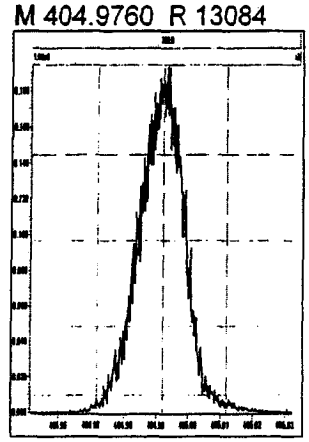
M 380.9760 R 12819



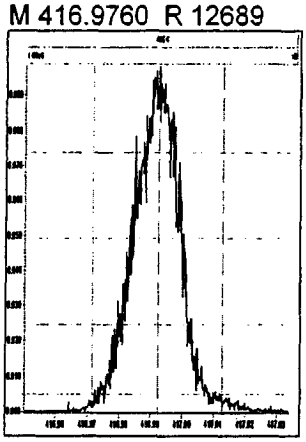
M 392.9760 R 12435



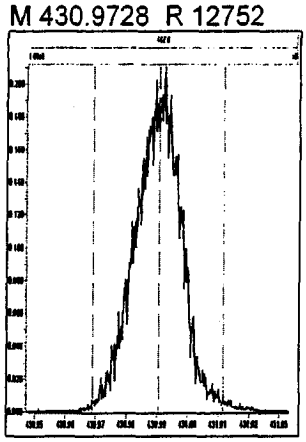
M 404.9760 R 13084



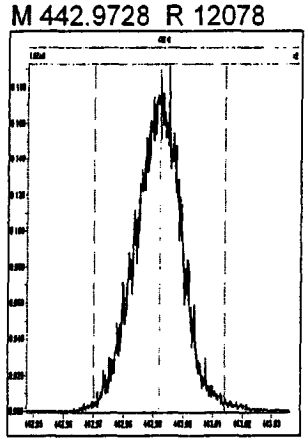
M 416.9760 R 12689



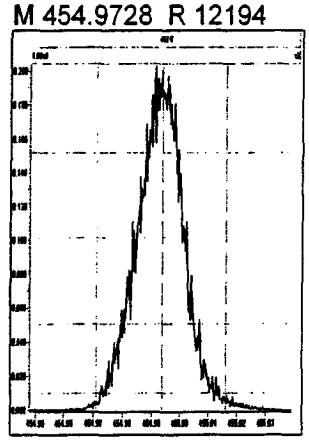
M 430.9728 R 12752



M 442.9728 R 12078



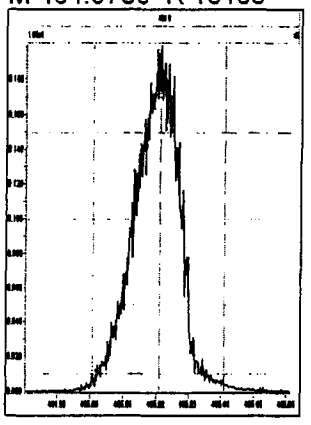
M 454.9728 R 12194



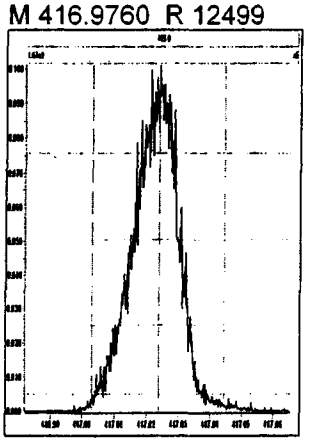
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, April 30, 2010 10:51:50 Pacific Daylight Time

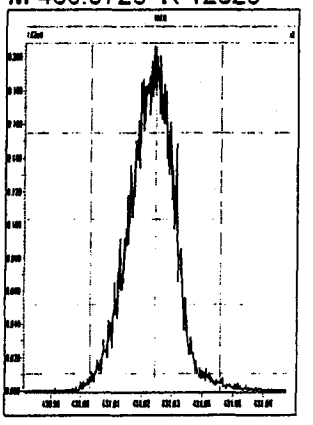
M 404.9760 R 13159



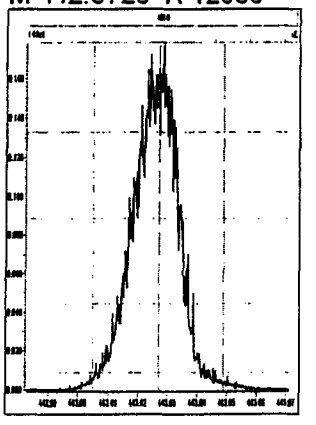
M 416.9760 R 12499



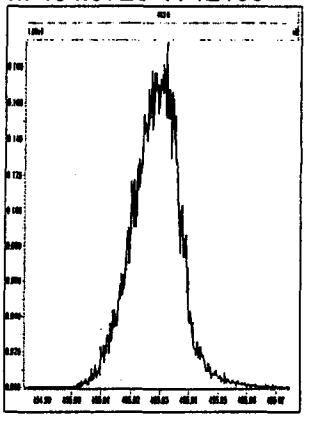
M 430.9728 R 12625



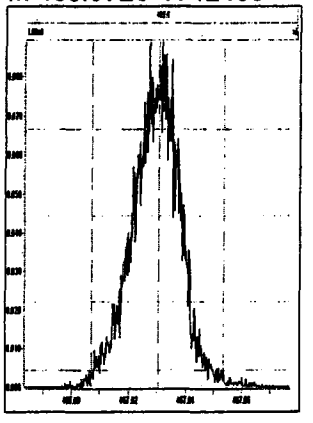
M 442.9728 R 12955



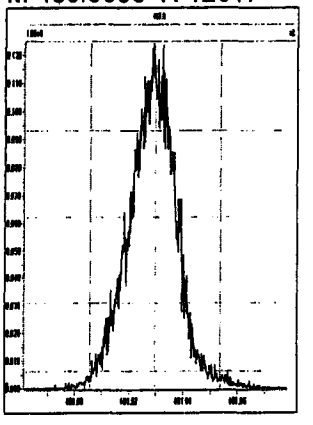
M 454.9728 R 12195



M 466.9728 R 12436



M 480.9696 R 12017



File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

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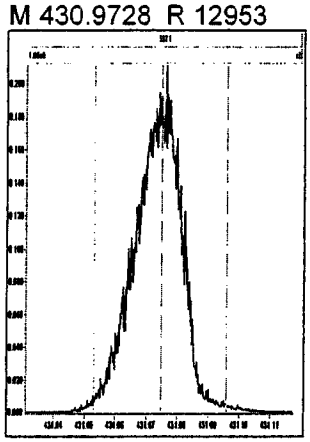
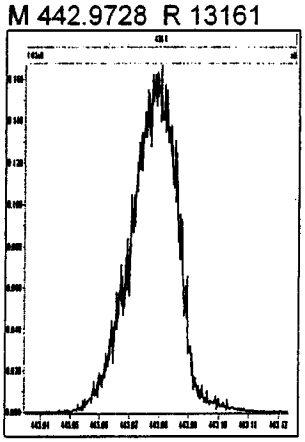
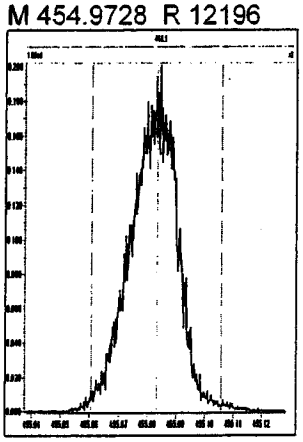
M 430.9728 R 12953



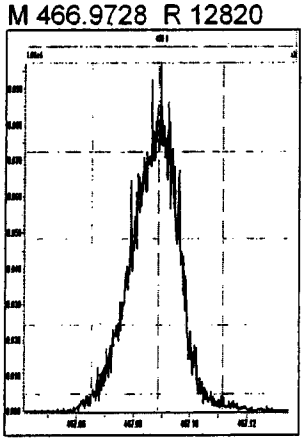
M 442.9728 R 13161



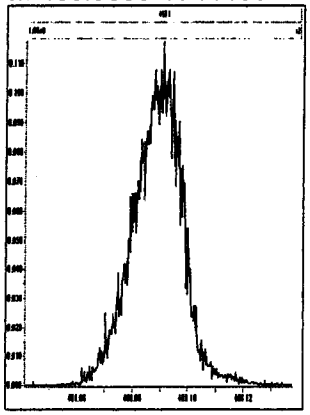
M 454.9728 R 12196



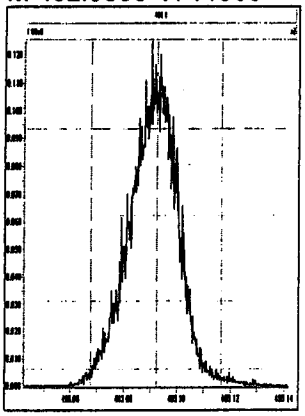
M 466.9728 R 12820



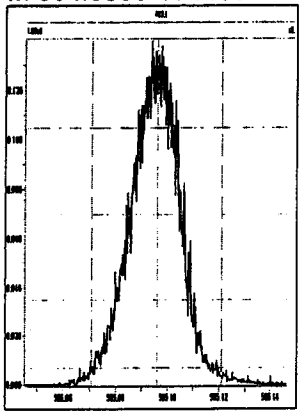
M 480.9696 R 11160



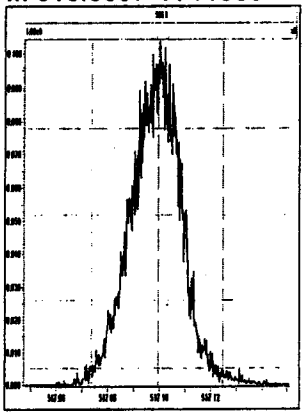
M 492.9696 R 11906

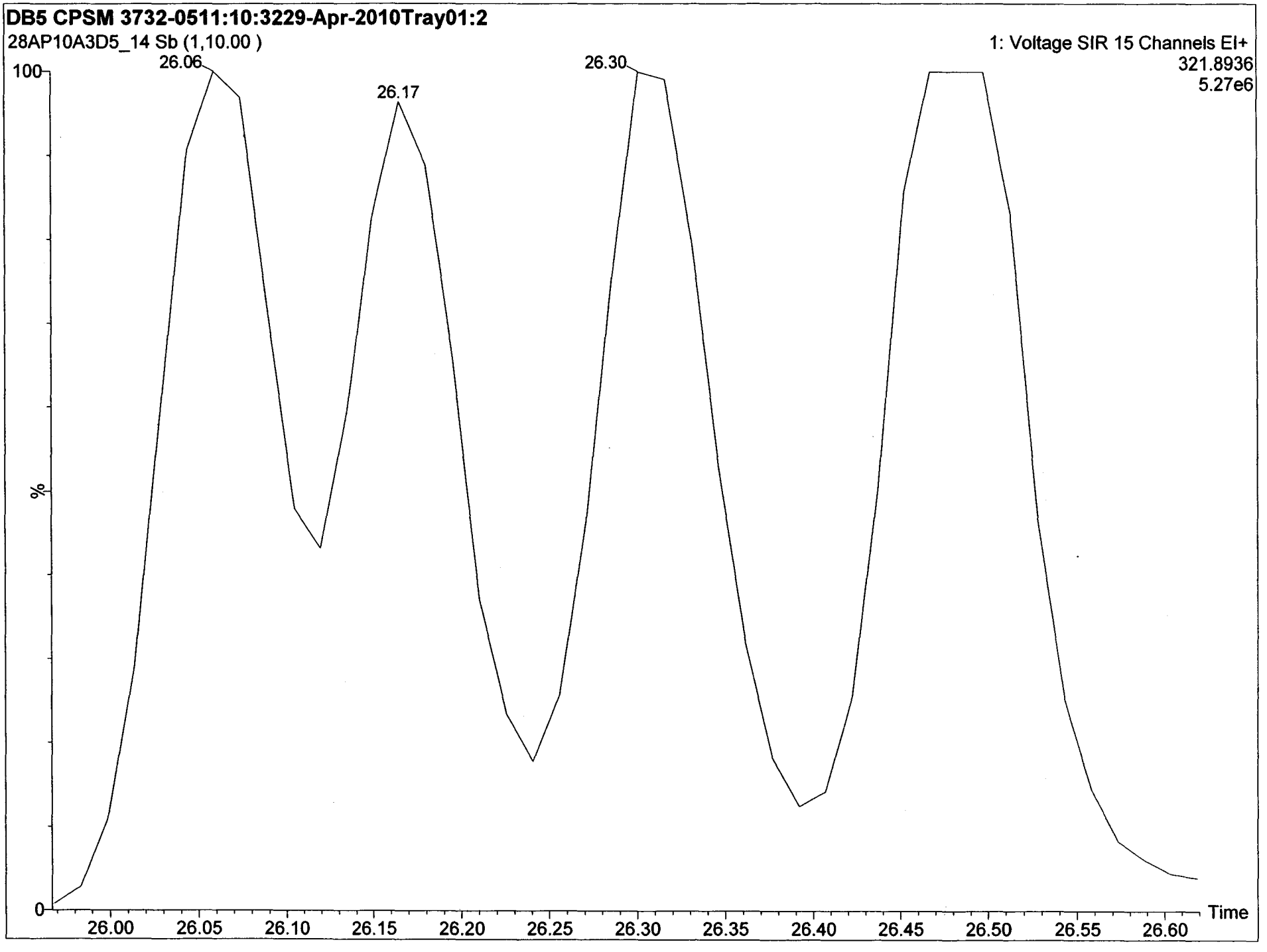


M 504.9696 R 11364



M 516.9697 R 11685





Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:45:30 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.29217	0.15223	11.78067
4	2,3,7,8-TCDF	0.98315	0.04581	4.65926
5	Total TCDFs	0.98315	0.04581	4.65926
6				
7	13C-2,3,7,8-TCDD	0.89708	0.08170	9.10684
8	2,3,7,8-TCDD	1.05105	0.07819	7.43940
9	Total TCDDs	1.05105	0.07819	7.43940
10				
11	37CL-2,3,7,8-TCDD	1.06704	0.11260	10.55250
12				
13	13C-1,2,3,7,8-PeCDF	1.01112	0.14885	14.72150
14	1,2,3,7,8-PeCDF	1.01766	0.05712	5.61277
15	2,3,4,7,8-PeCDF	1.01420	0.03974	3.91833
16	Total F2 PeCDFs	1.01593	0.04687	4.61345
17	Total F1 PeCDFs	1.01593	0.04687	4.61345
18				
19	13C-1,2,3,7,8-PeCDD	0.66822	0.10736	16.06722
20	1,2,3,7,8-PeCDD	0.99572	0.04304	4.32214
21	Total PeCDDs	0.99572	0.04304	4.32213
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	0.88818	0.07131	8.02886
26	1,2,3,4,7,8-HxCDF	1.24155	0.08733	7.03397
27	1,2,3,6,7,8-HxCDF	1.42681	0.06317	4.42760
28	2,3,4,6,7,8-HxCDF	1.28770	0.05871	4.55964
29	1,2,3,7,8,9-HxCDF	1.21630	0.14130	11.61709
30	Total HxCDFs	1.29309	0.08375	6.47669
31				
32	13C-1,2,3,6,7,8-HxCDD	0.81128	0.07661	9.44287
33	1,2,3,4,7,8-HxCDD	0.88272	0.07520	8.51958
34	1,2,3,6,7,8-HxCDD	1.08449	0.06107	5.63094
35	1,2,3,7,8,9-HxCDD	1.18402	0.19196	16.21217
36	Total HxCDDs	1.05041	0.10668	10.15640
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.80110	0.04887	6.10082
39	1,2,3,4,6,7,8-HpCDF	1.38128	0.07667	5.55037
40	1,2,3,4,7,8,9-HpCDF	1.10952	0.09098	8.20003
41	Total HpCDFs	1.24540	0.07829	6.28644
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.68208	0.03757	5.50795
44	1,2,3,4,6,7,8-HpCDD	1.03068	0.04633	4.49467
45	Total HpCDDs	1.03068	0.04633	4.49467
46				
47	13C-OCDD	0.49705		

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:45:30 Pacific Daylight Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.42582	0.12745	8.93881
49	OCDD	1.15547	0.07554	6.53715
50				
51				
52	Function 1 PFK			
53	Function 2 PFK			
54	Function 3 PFK			
55	Function 4 PFK			
56	Function 5 PFK			
57	TCDF PCDPE			
58	F1 PeCDF PCDPE			
59	F2 PeCDF PCDPE			
60	HXCDF PCDPE			
61	HPCDF PCDPE			
62	OCDF PCDPE			

Quantify Sample Report **MassLynx 4.1**

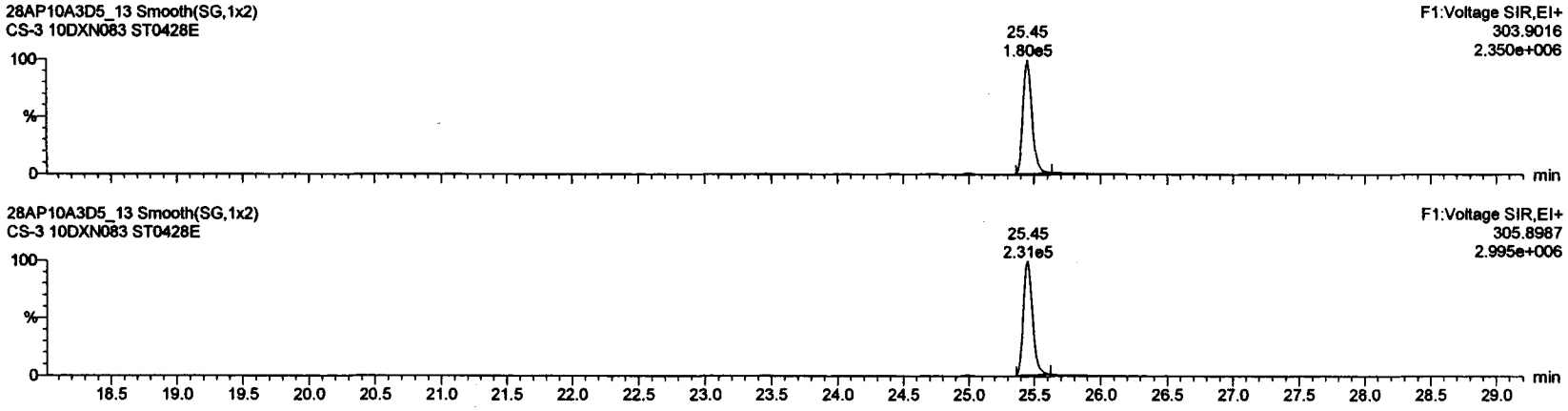
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

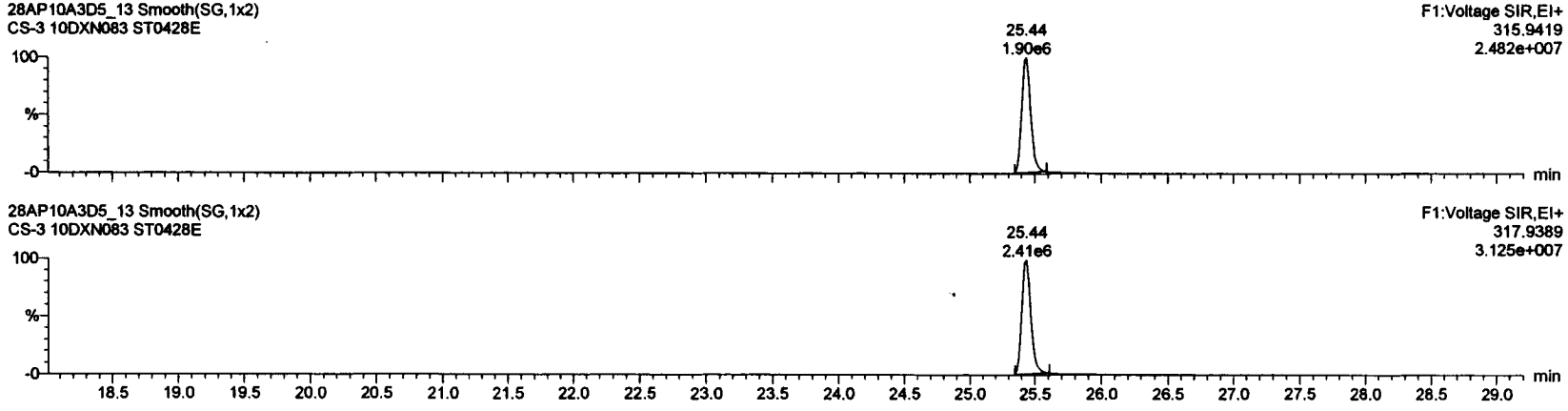
Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 28 Apr 2010 10:01:02
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D58290OCDD25.cdb 31 Mar 2010 15:00:28

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

TCDFs



13C-TCDF



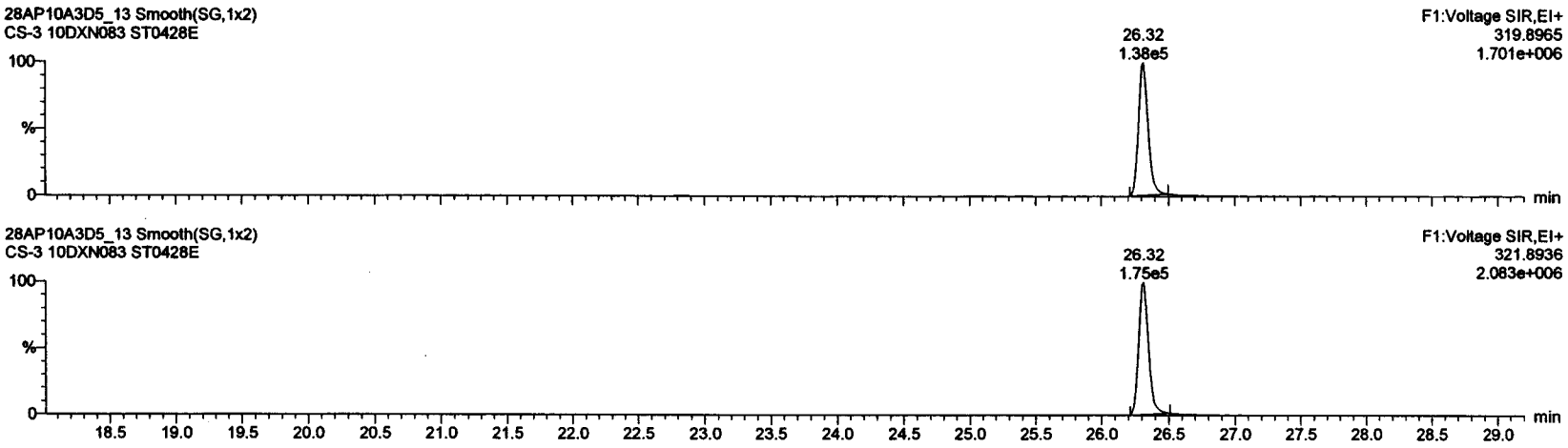
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

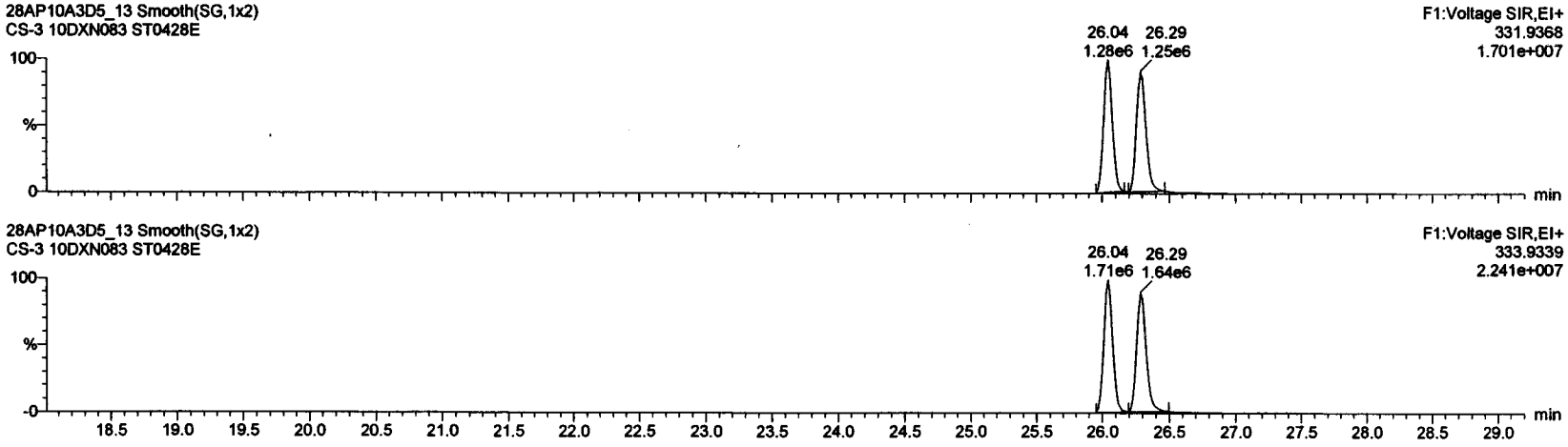
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

TCDDs



13C-TCDDs



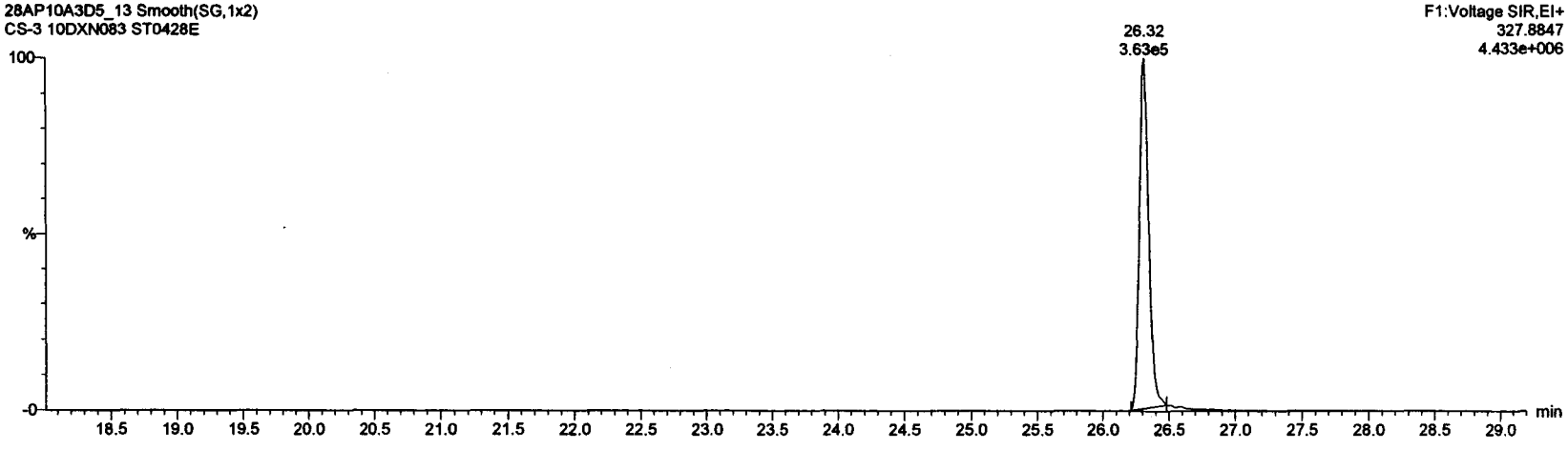
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

37CL-2,3,7,8-TCDD



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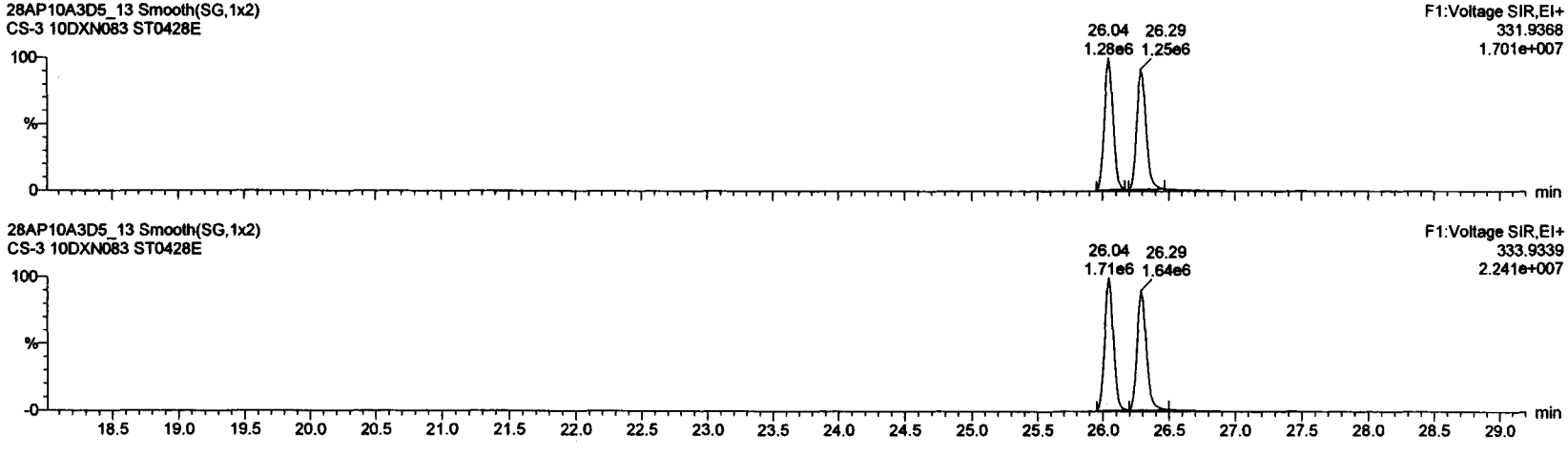


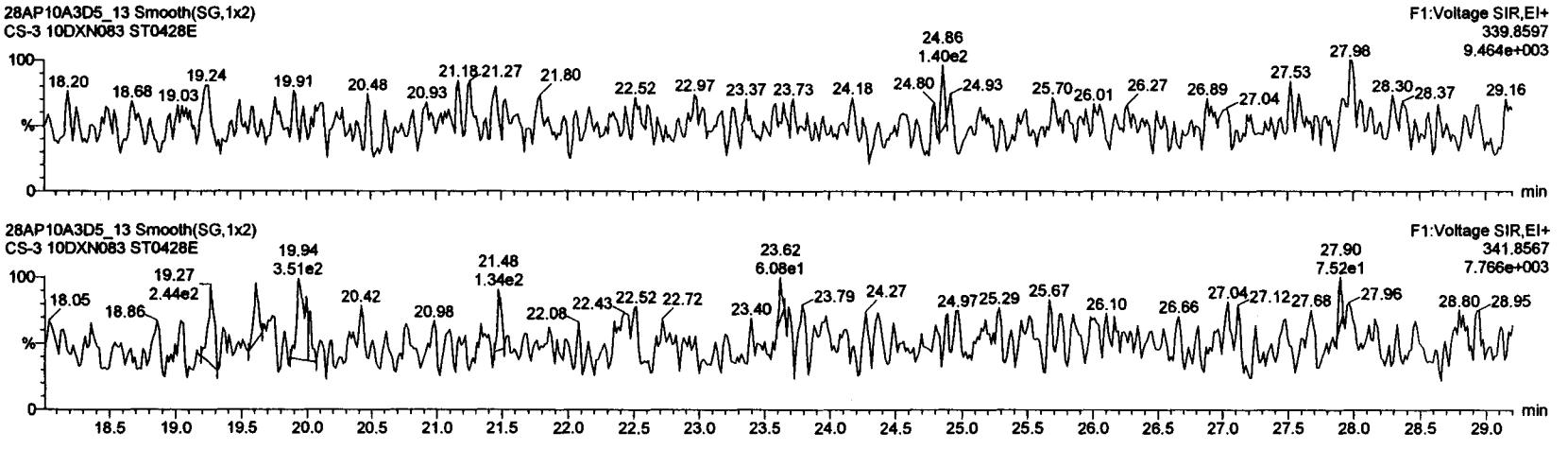
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

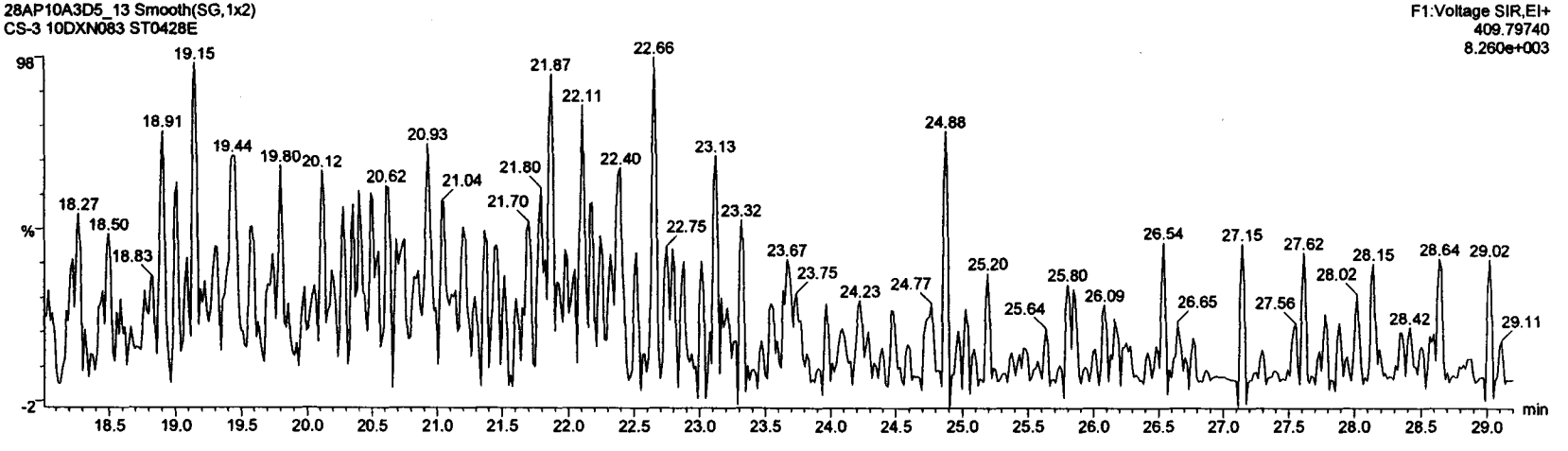
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

F1 PeCDFs



F1 PeCDF PCDPE



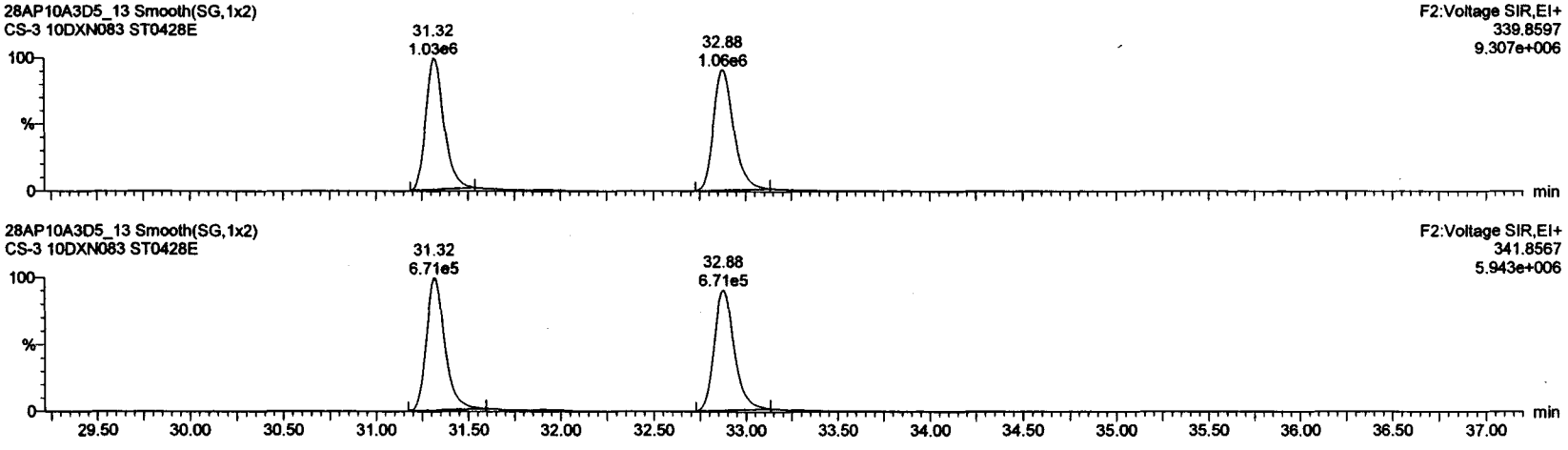
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

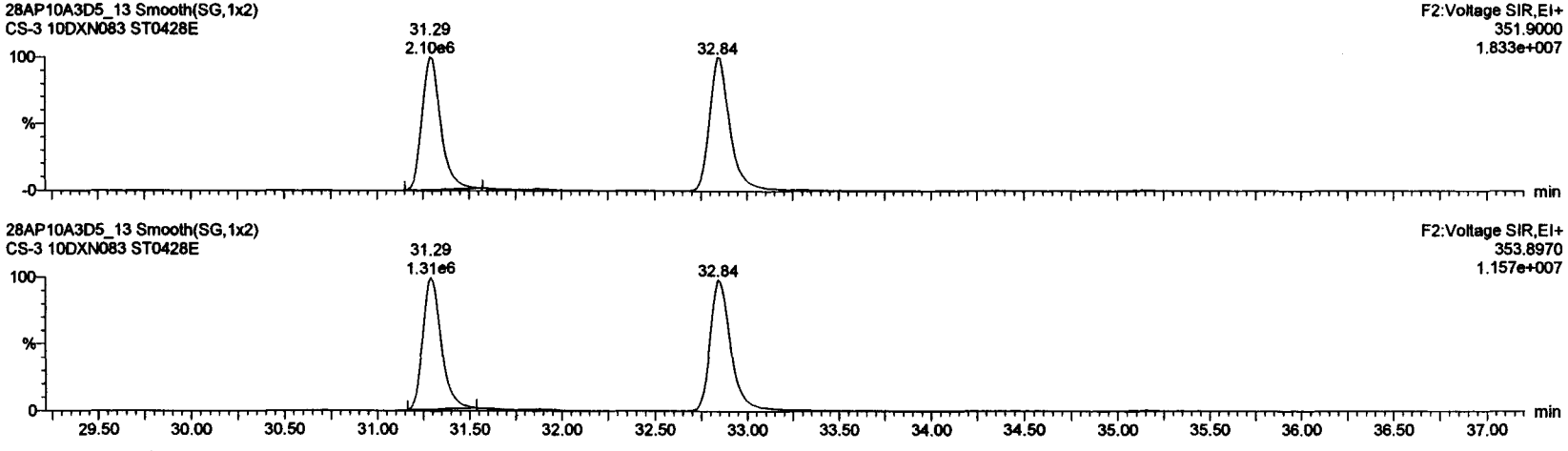
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

PeCDFs



13C-PeCDFs



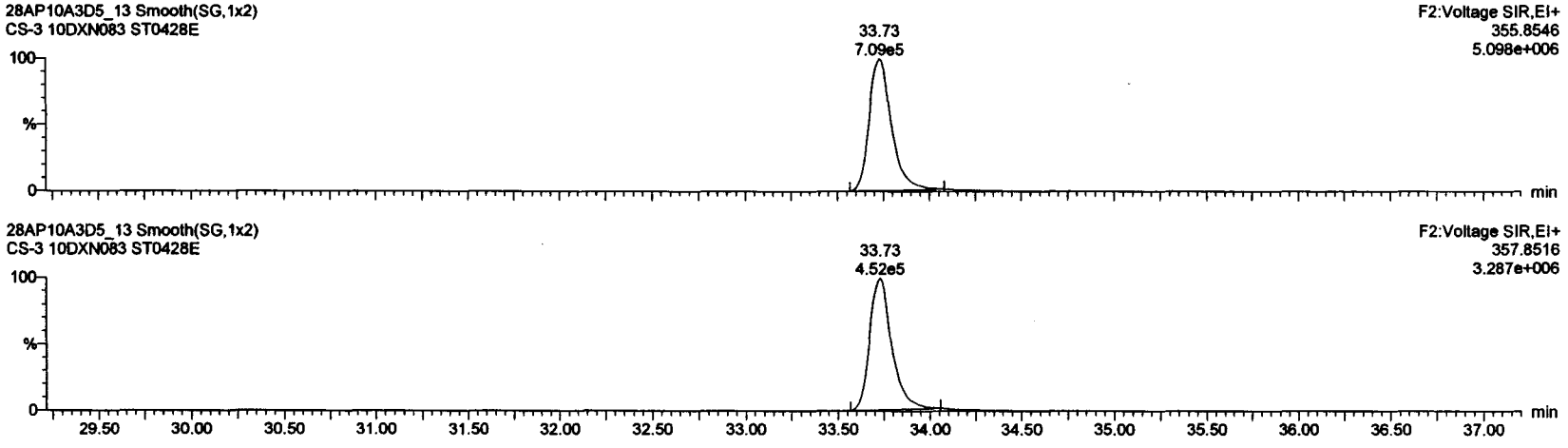
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

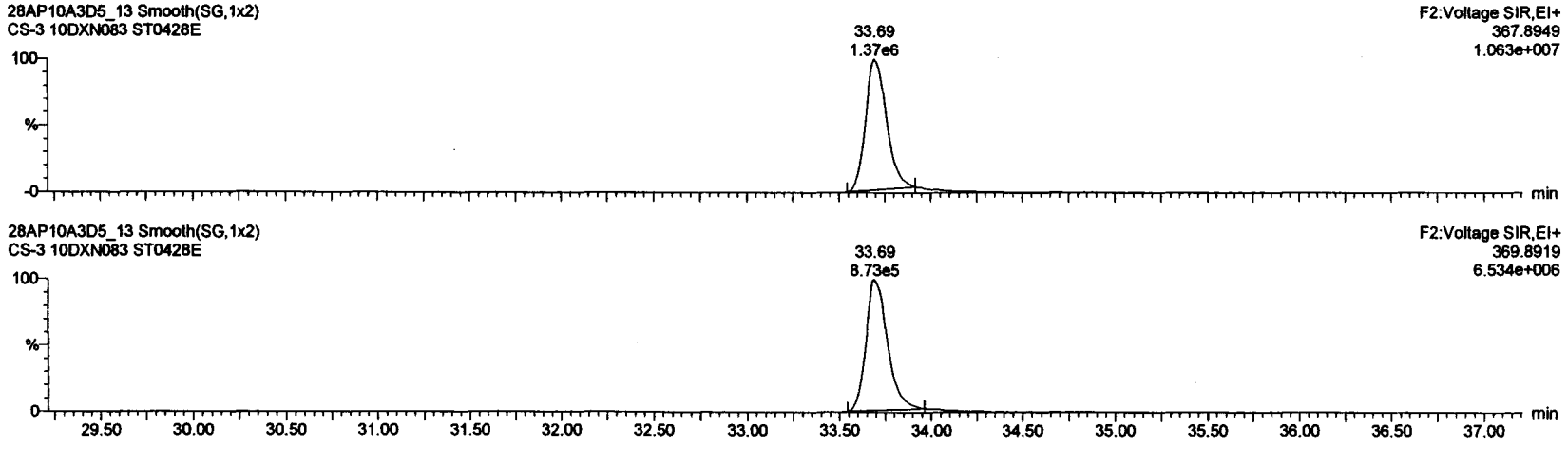
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

PeCDDs



13C-PeCDD



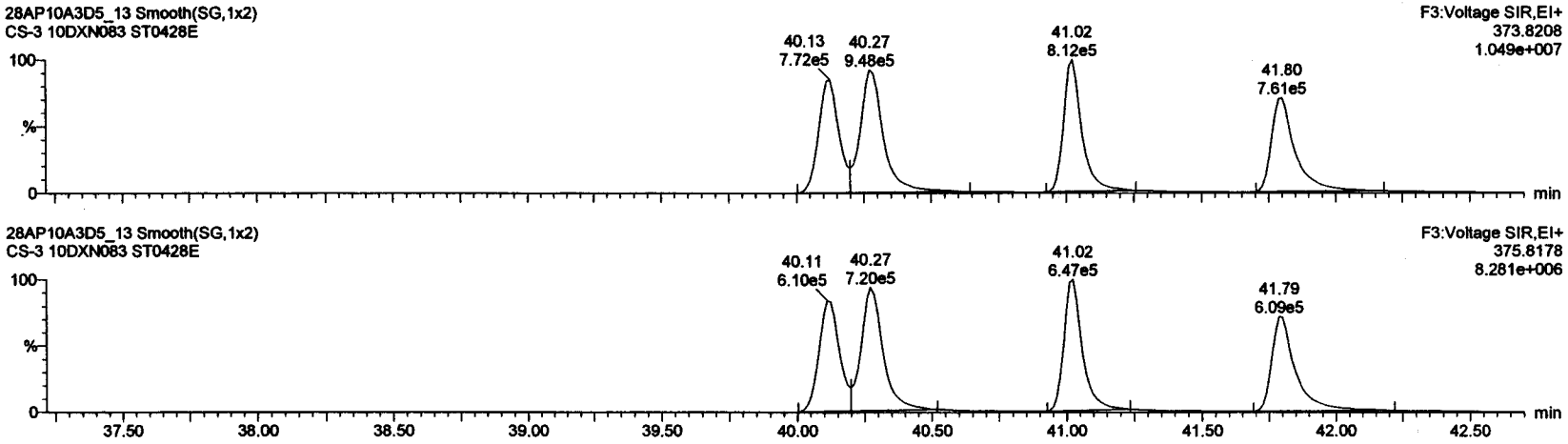
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

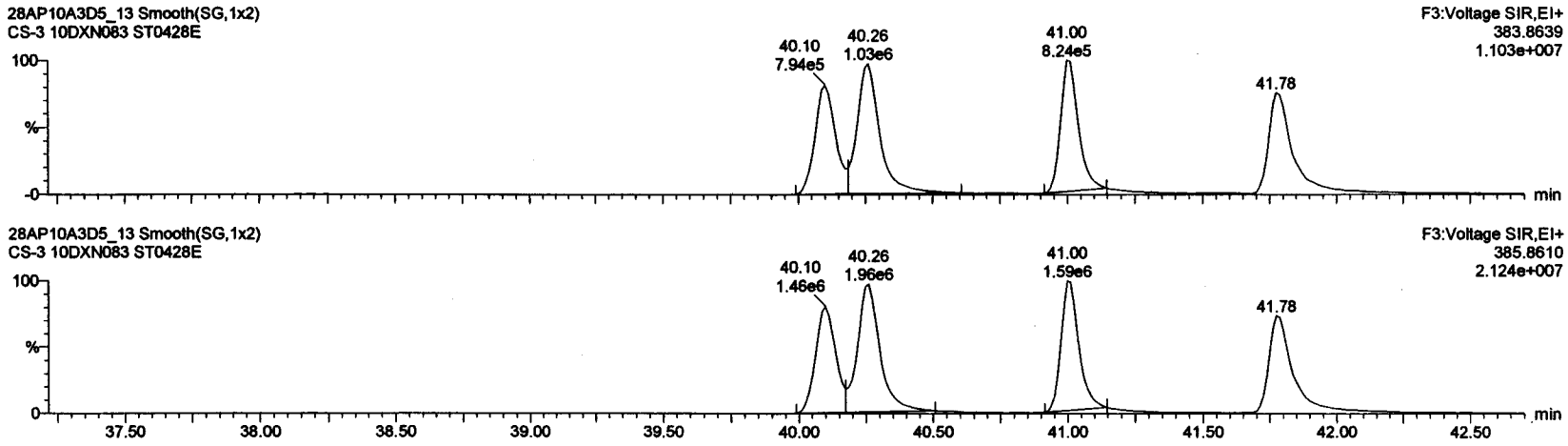
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

HxCDFs



13C-HxCDFs



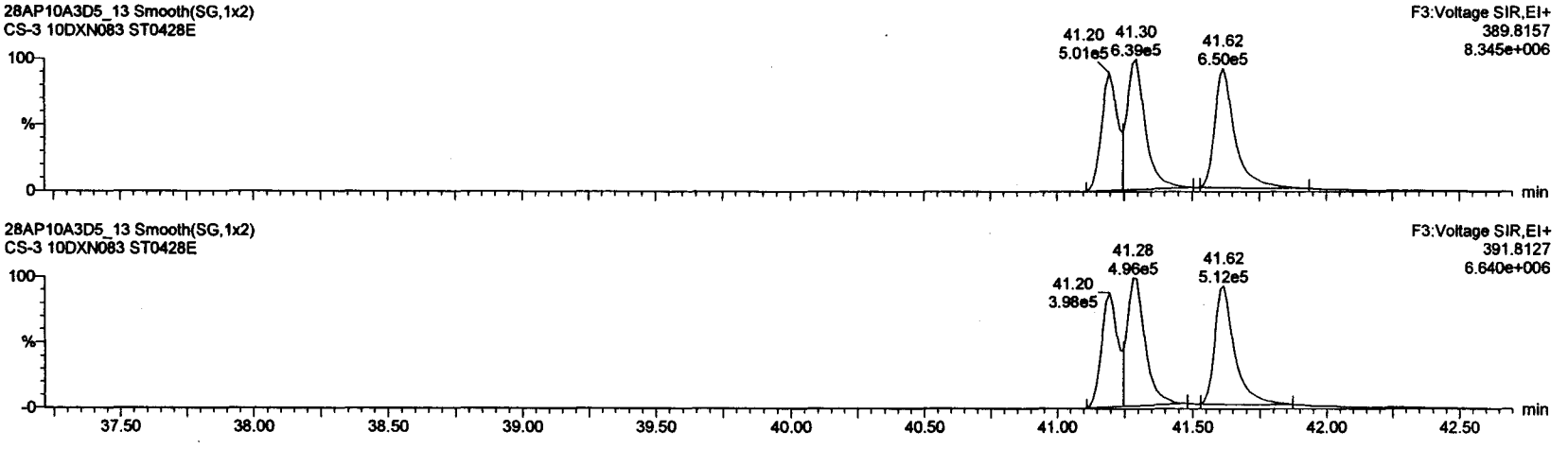
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

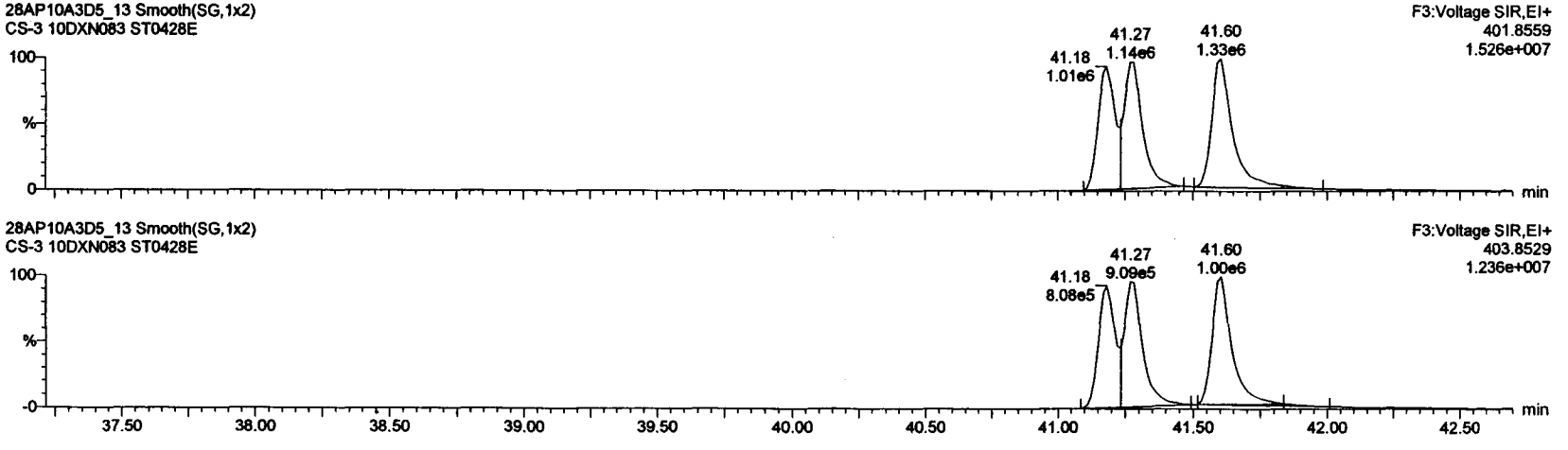
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

HxCDDs



13C-HxCDDs



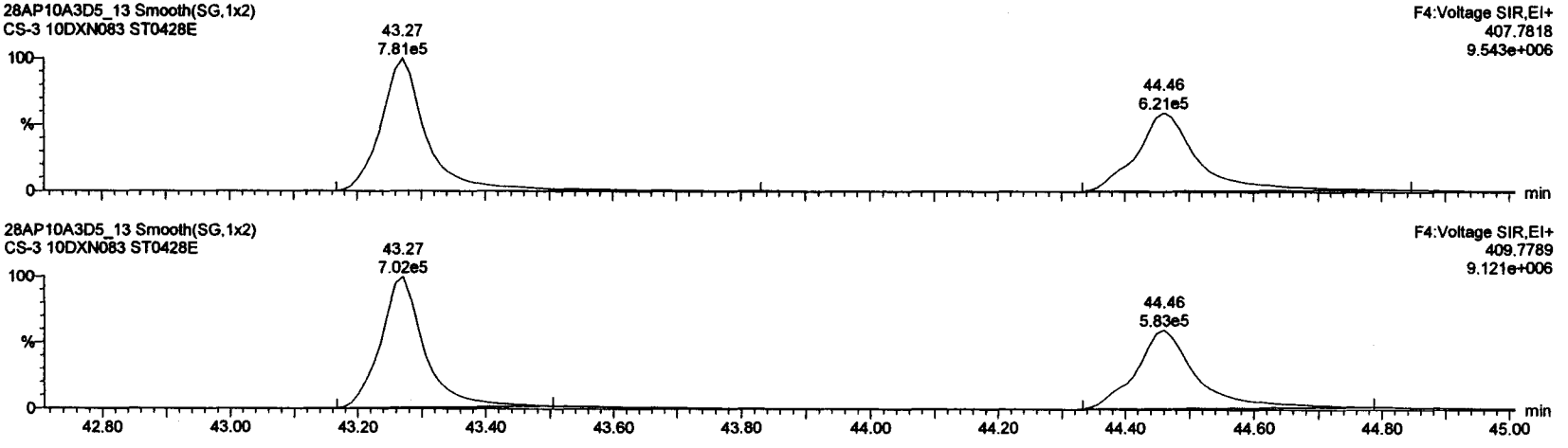
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

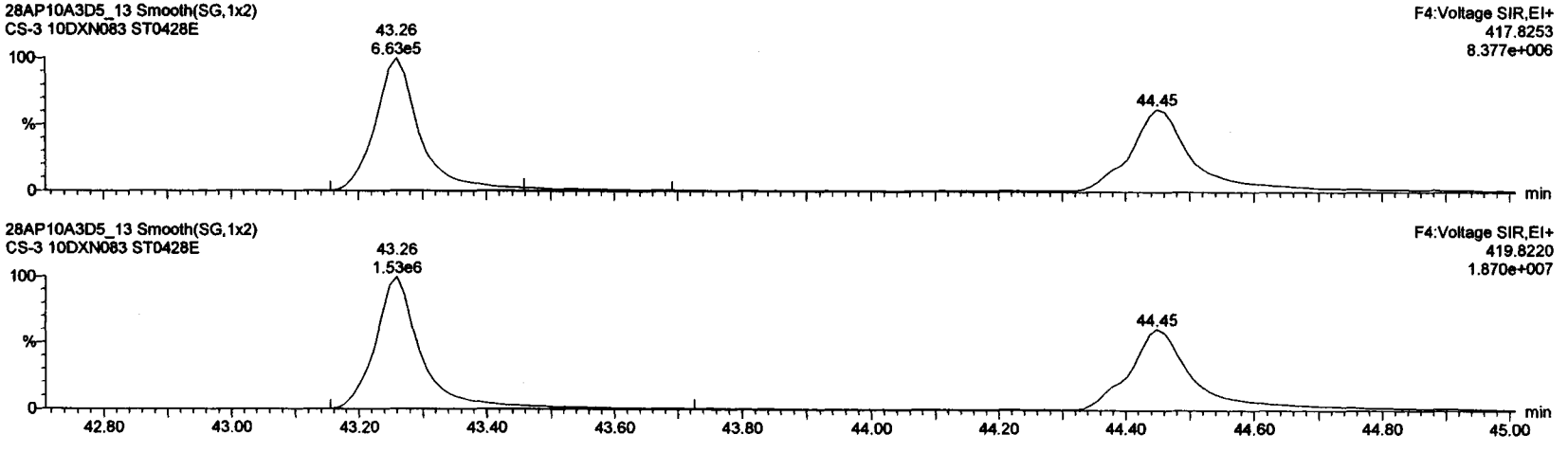
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

HpCDFs



13C-HpCDFs



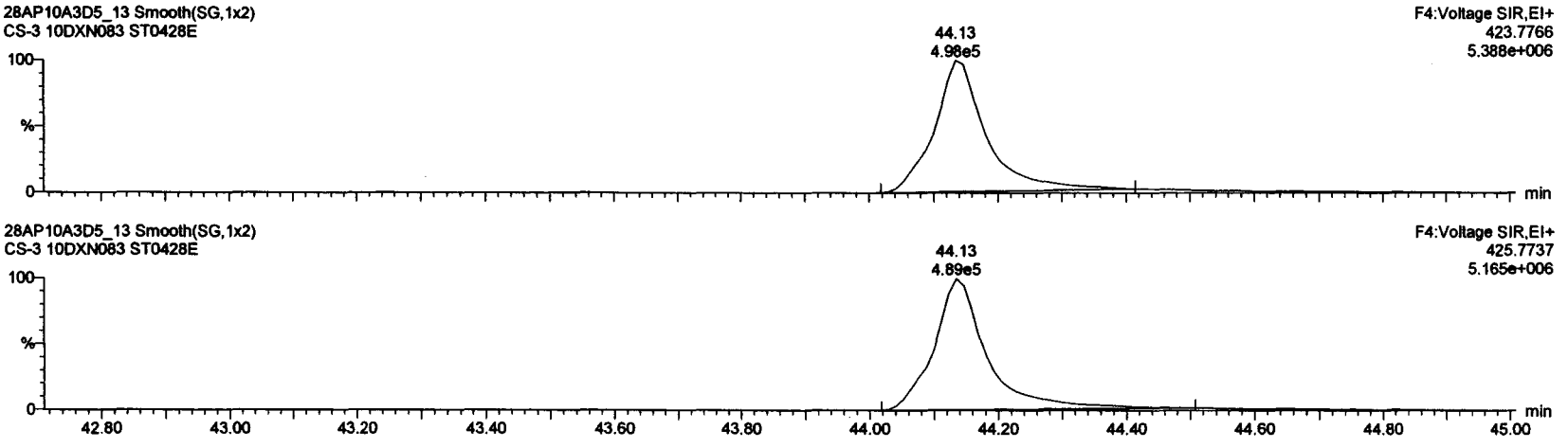
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

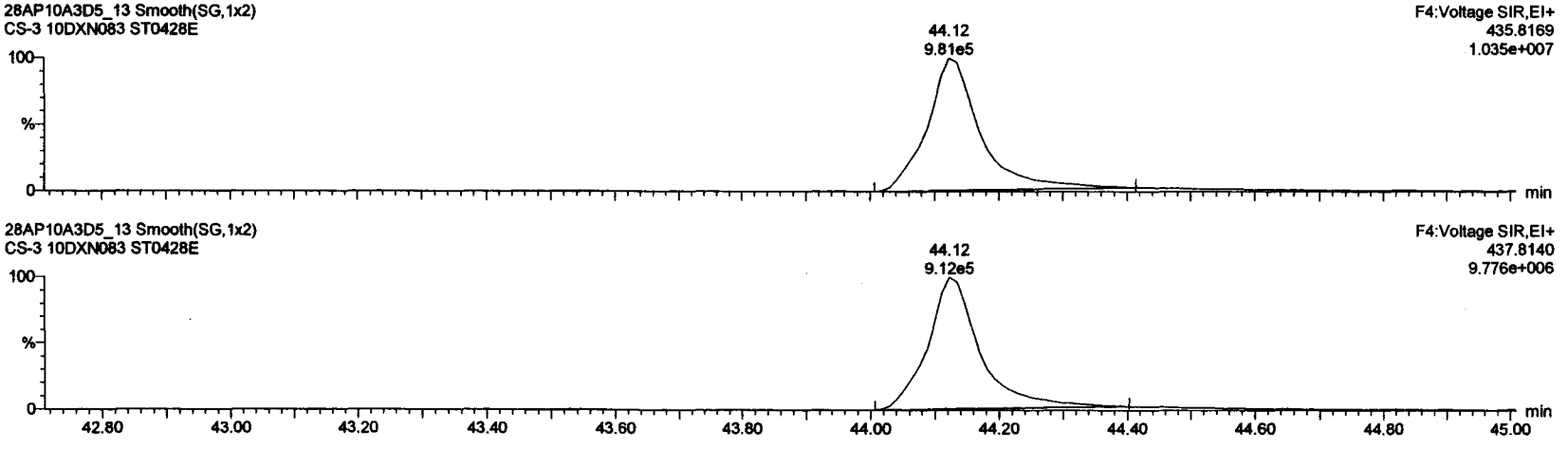
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

HpCDDs



13C-HpCDD



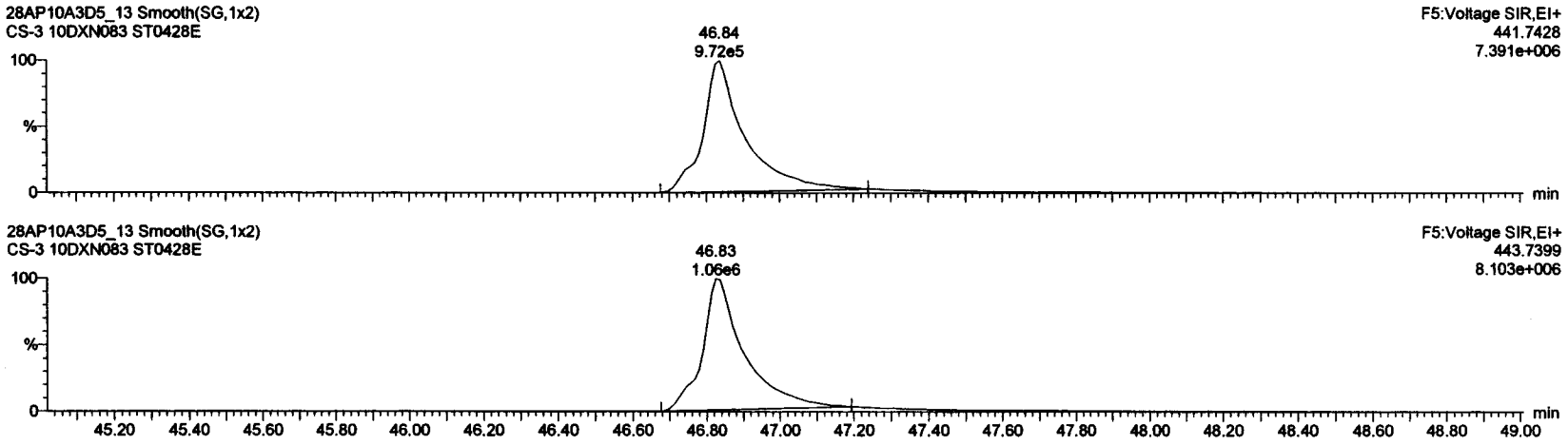
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

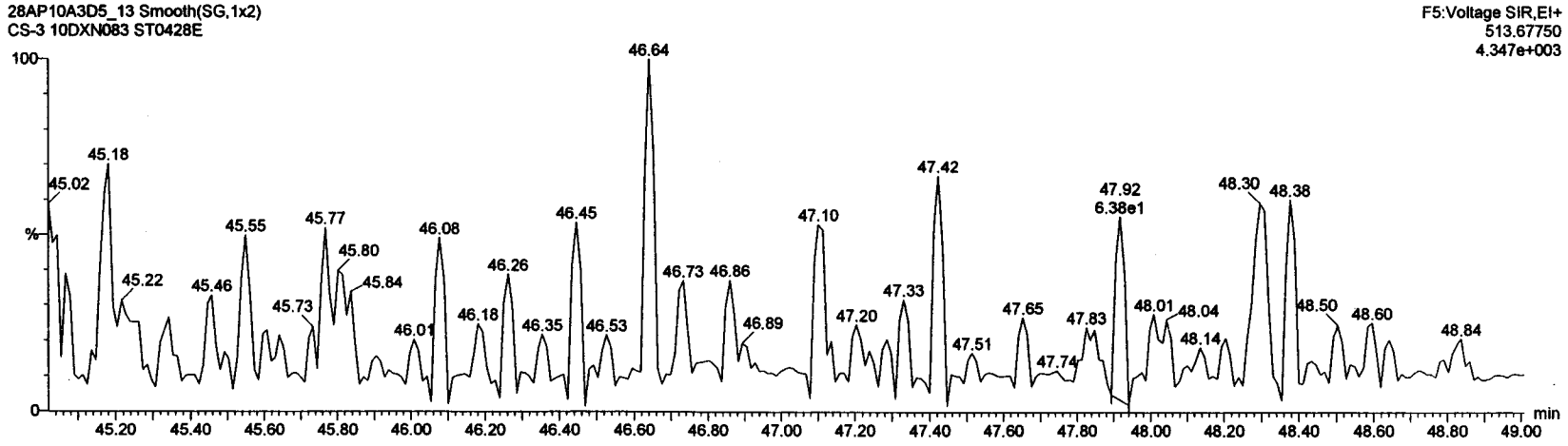
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

OCDFs



OCDF PCDPE



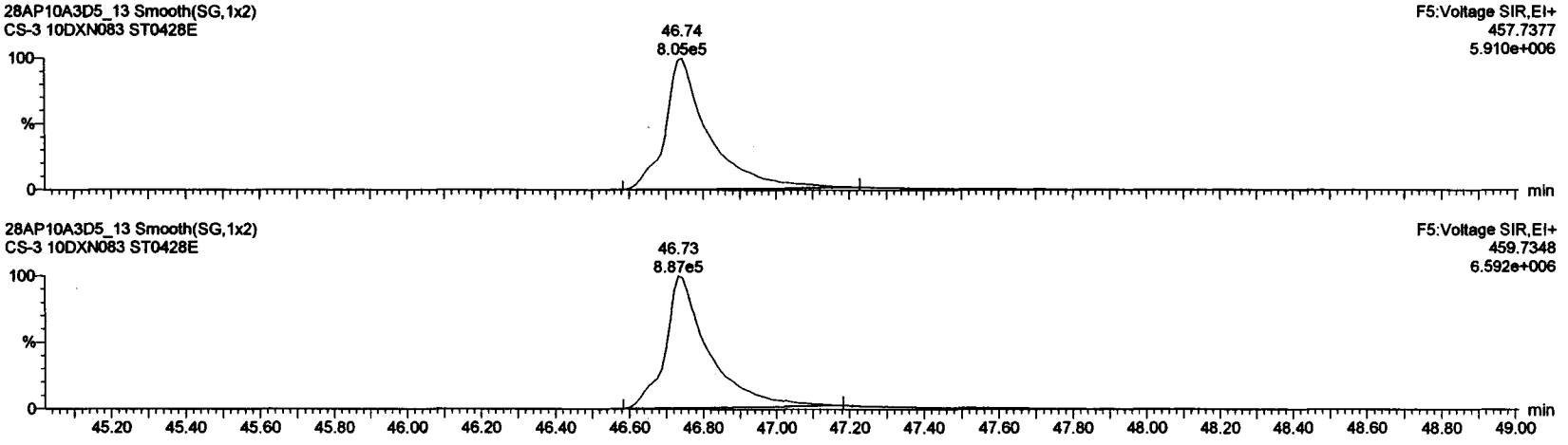
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

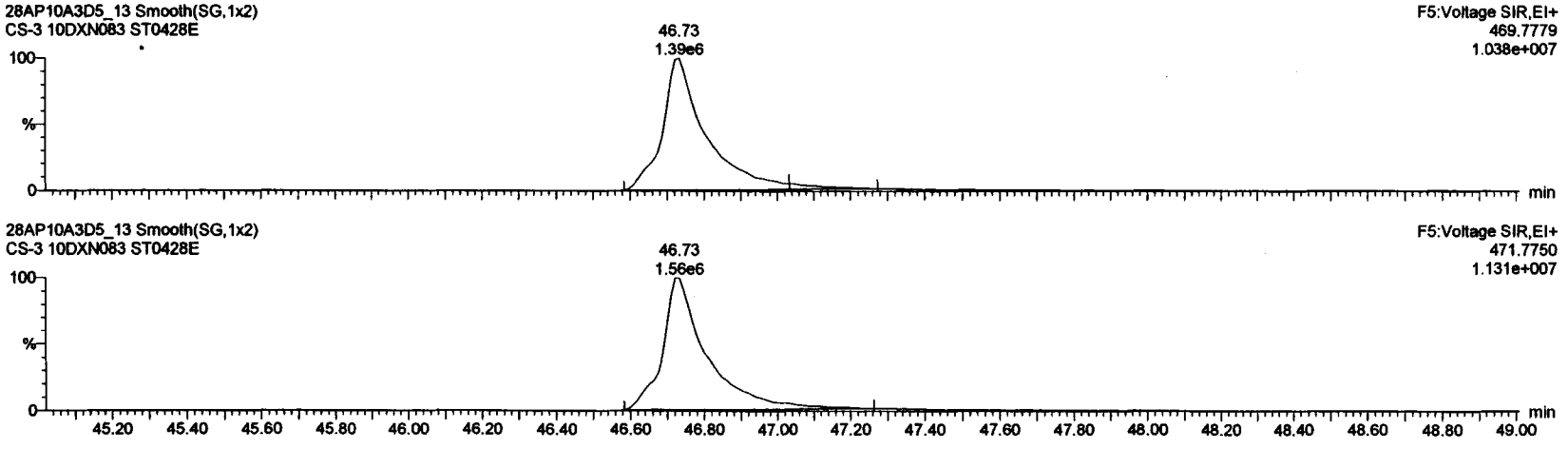
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

OCDD



13C-OCDD



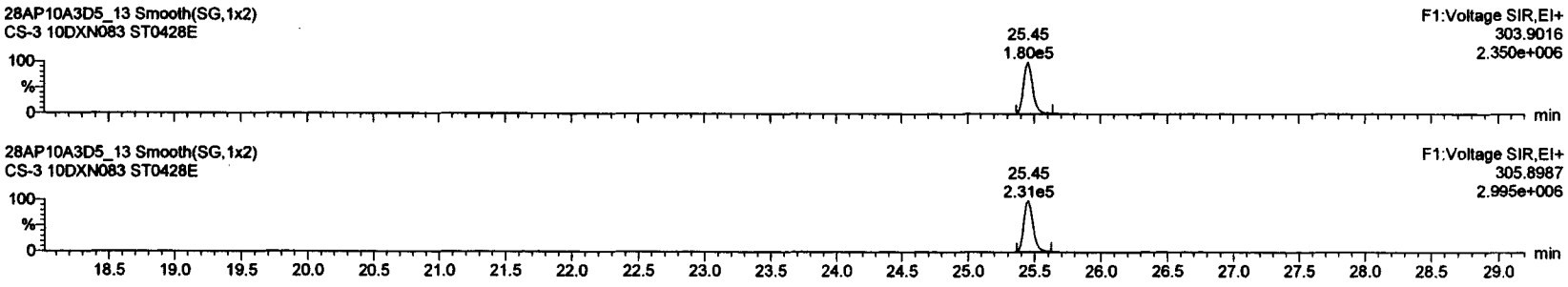
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

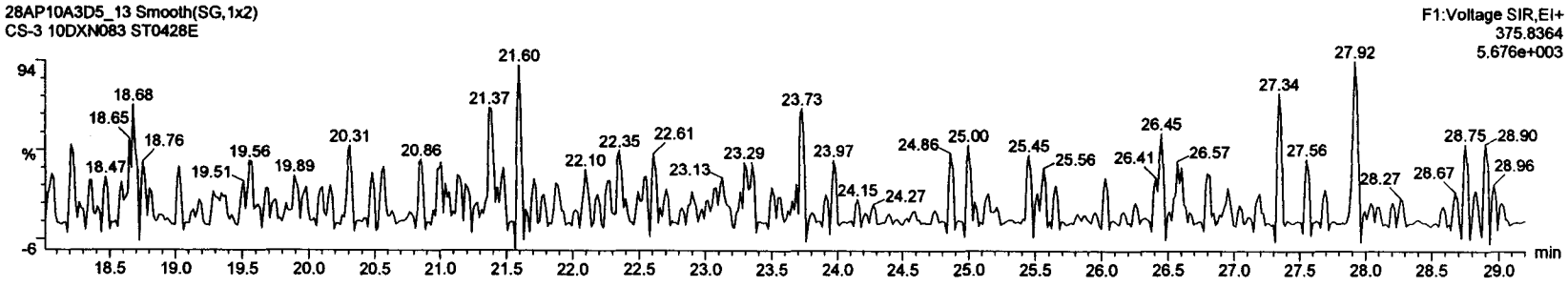
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

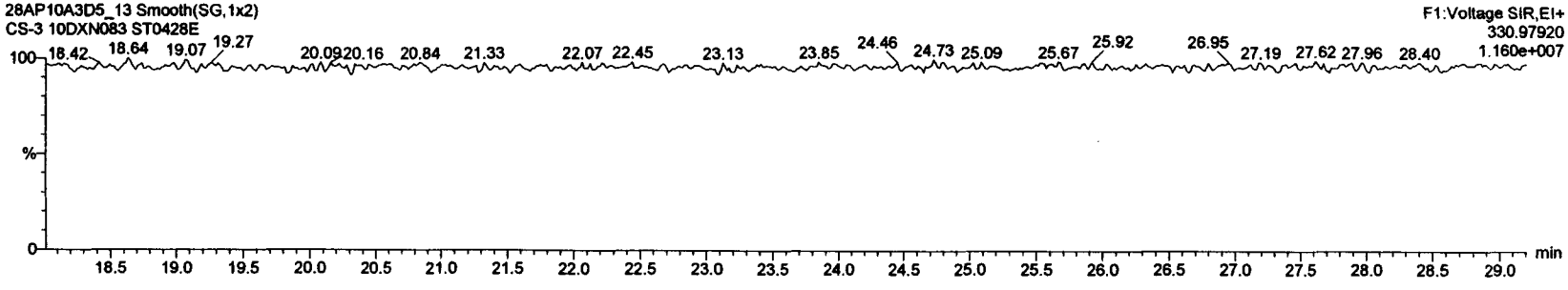
TCDFs



TCDF PCDPE



Function 1 PFK



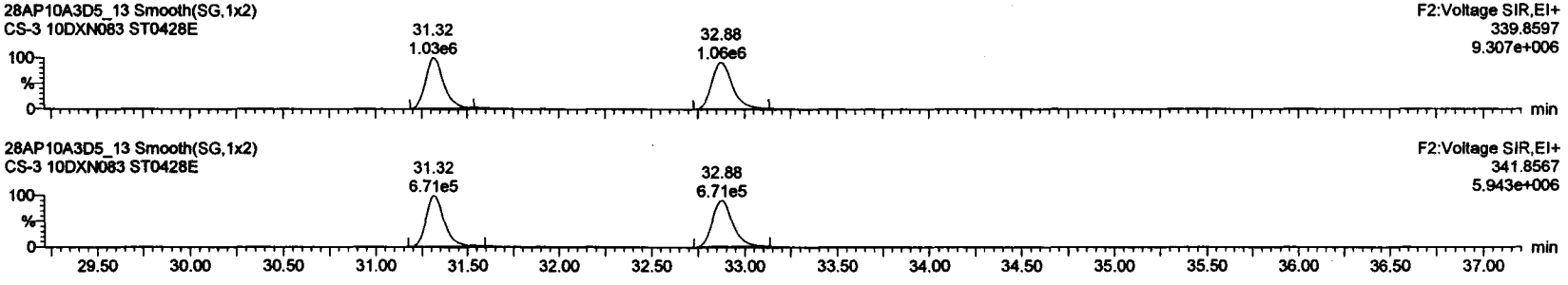
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

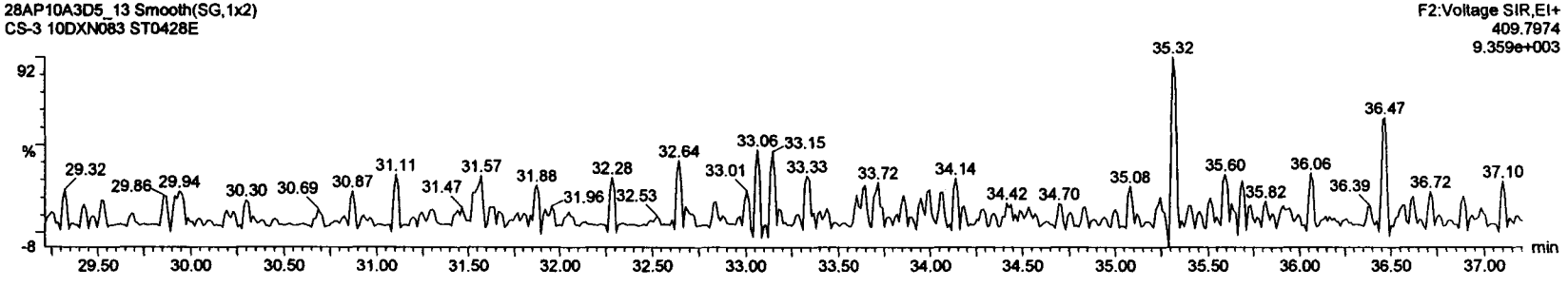
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

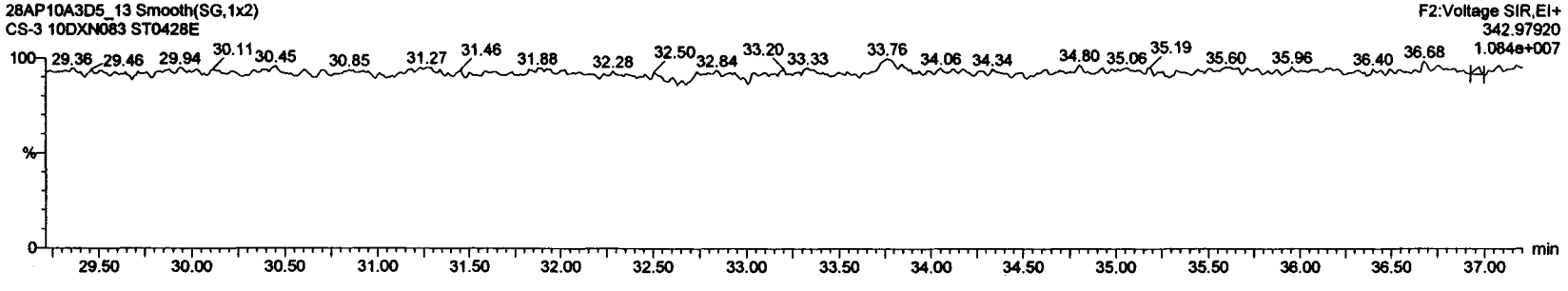
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



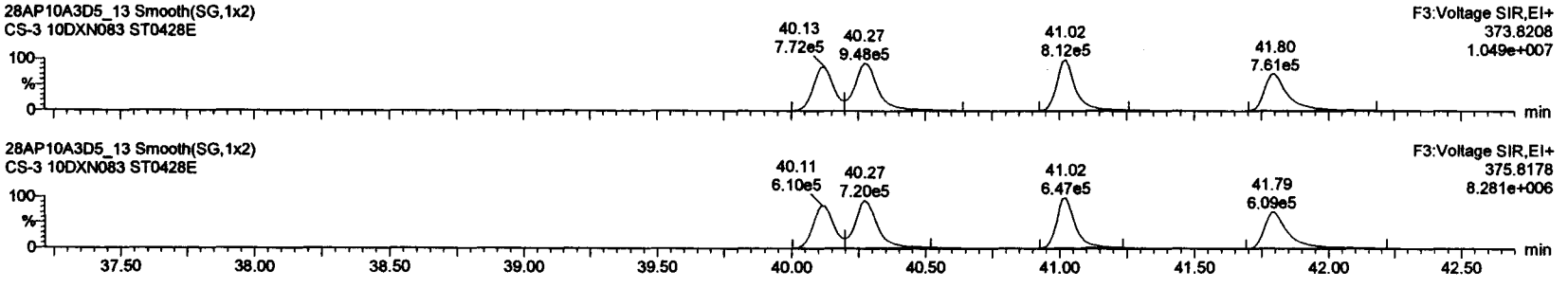
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

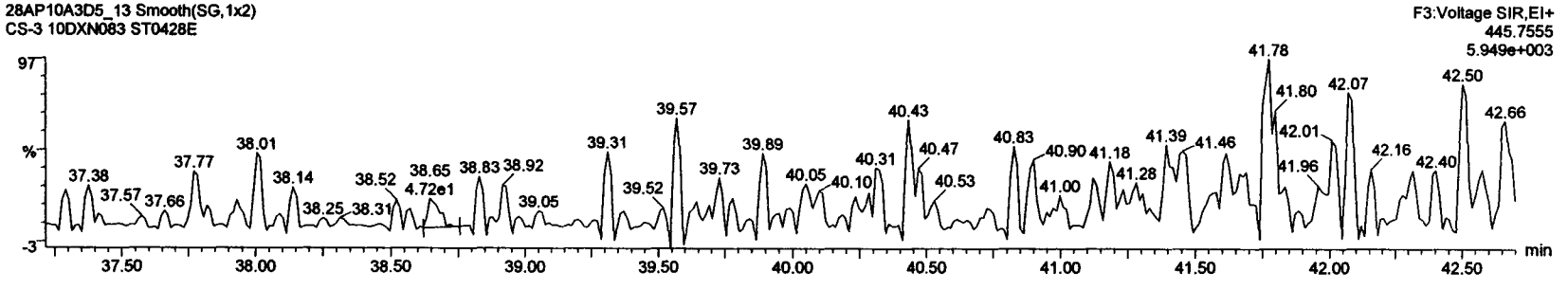
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

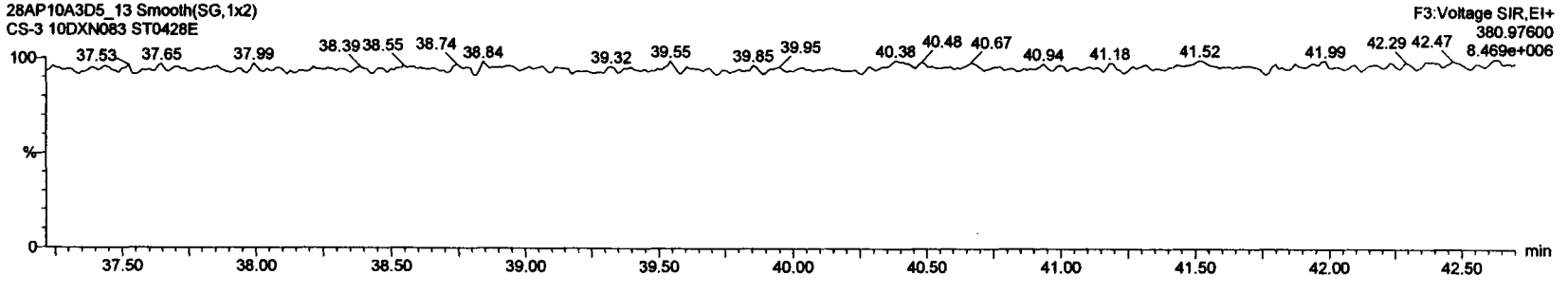
HxCDFs



HxCDF PCDPE



Function 3 PFK



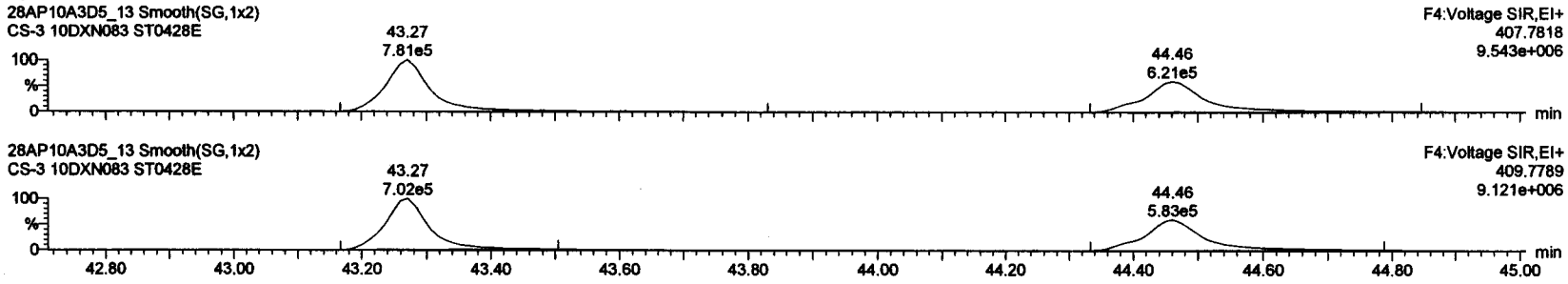
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

HpCDFs



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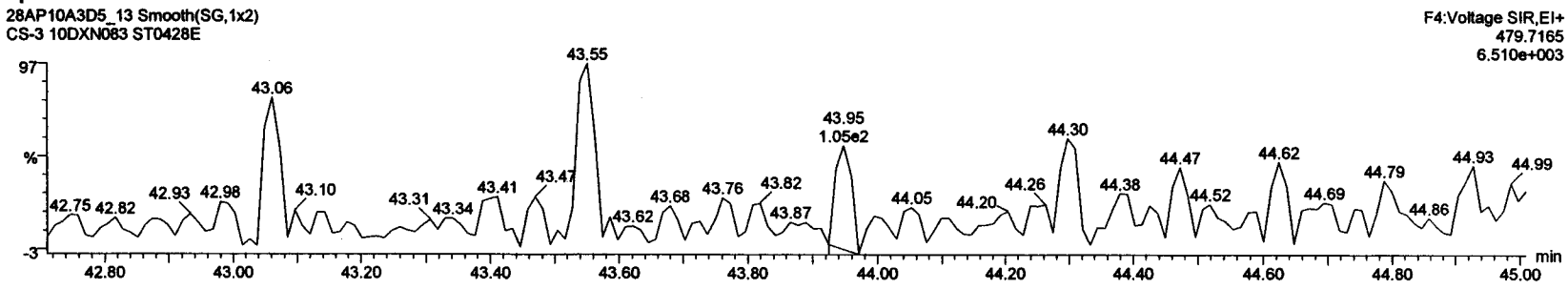

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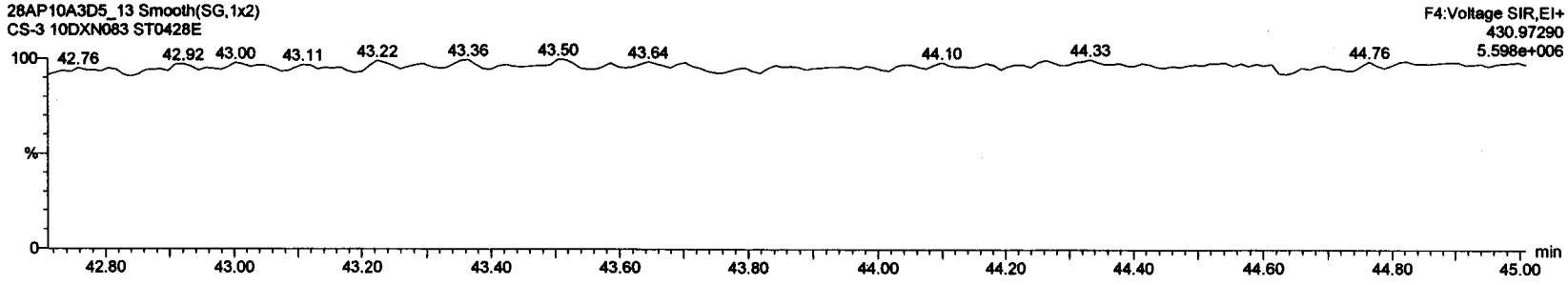

Quantify Sample Report **MassLynx 4.1**

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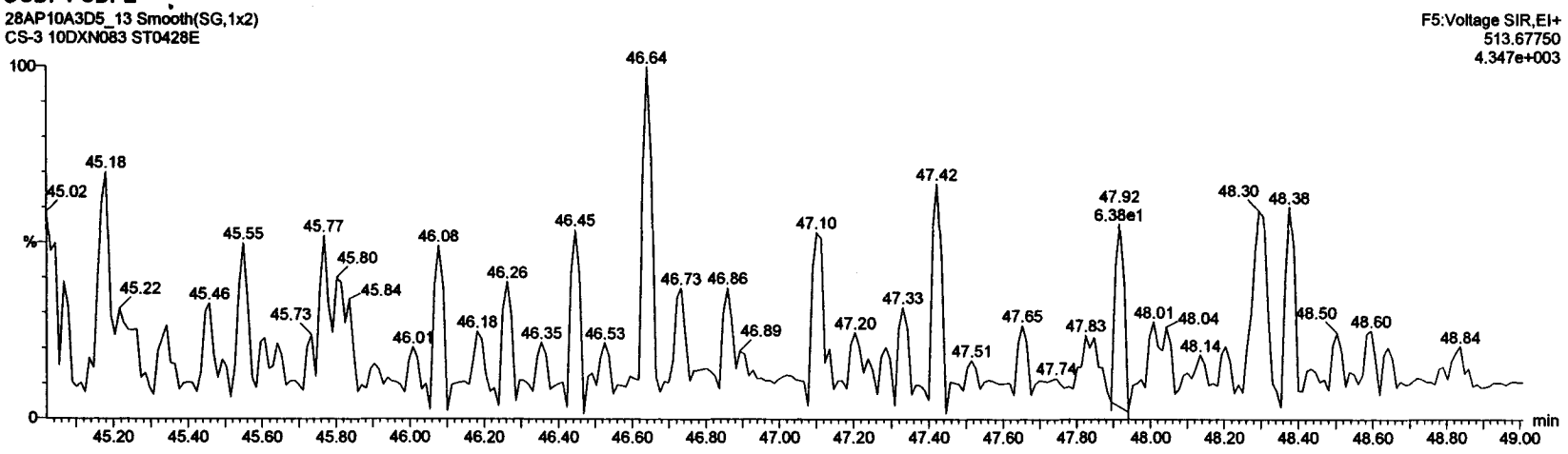
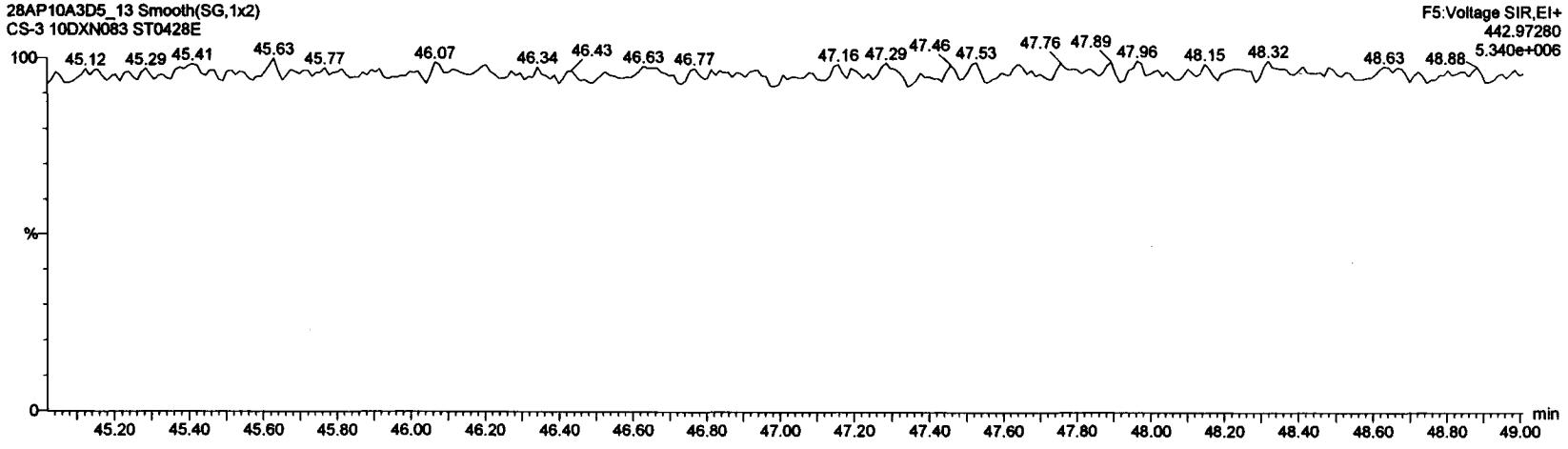
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_13, Date: 29-Apr-2010, Time: 10:17:57, ID: ST0428E, Description: CS-3 10DXN083

OCDF PCDPE



Function 5 PFK



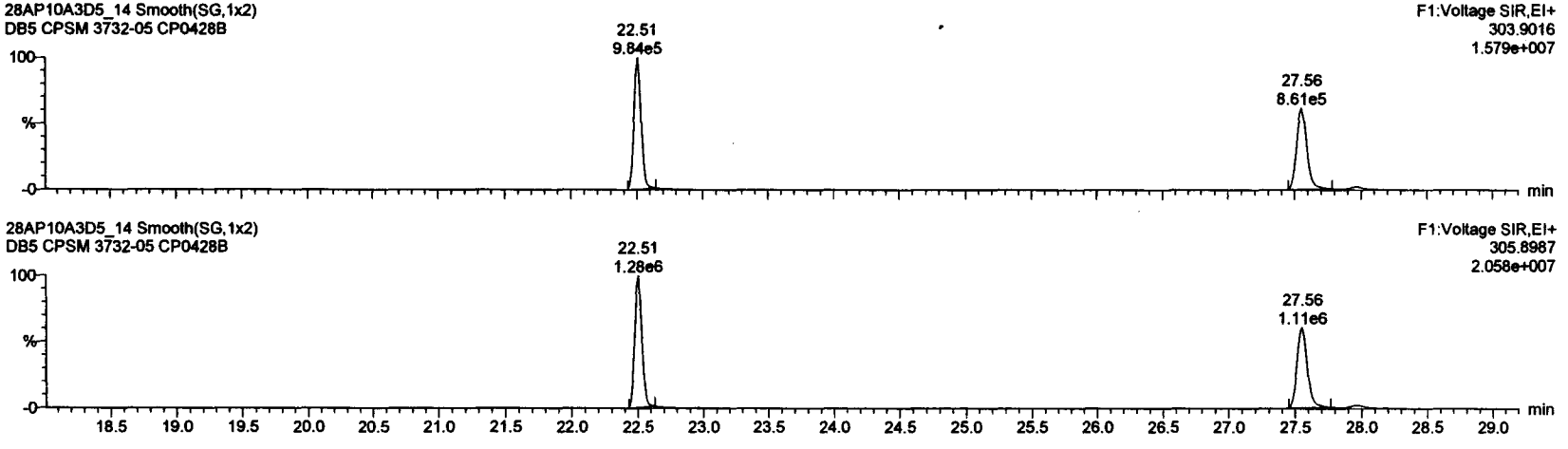
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

TCDFs



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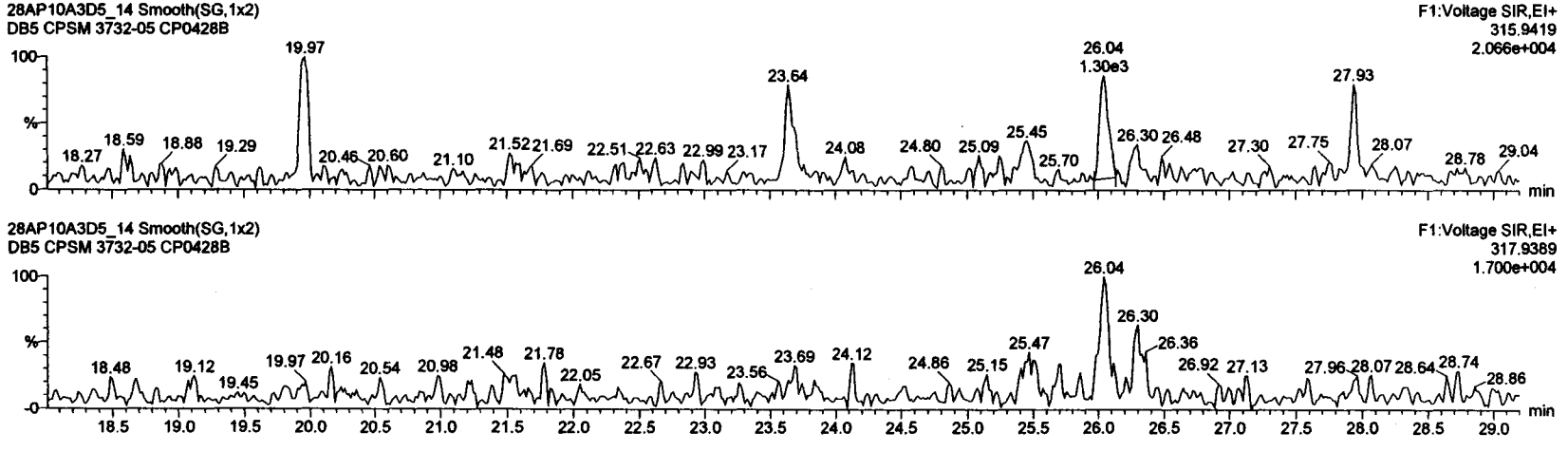

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Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

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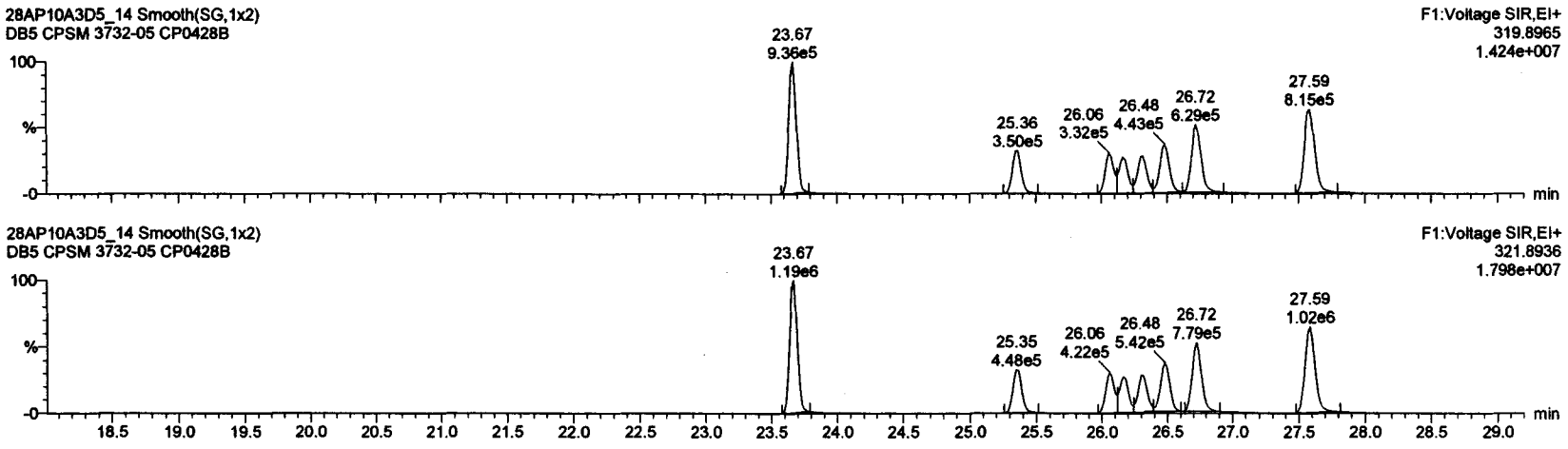
TCDDs



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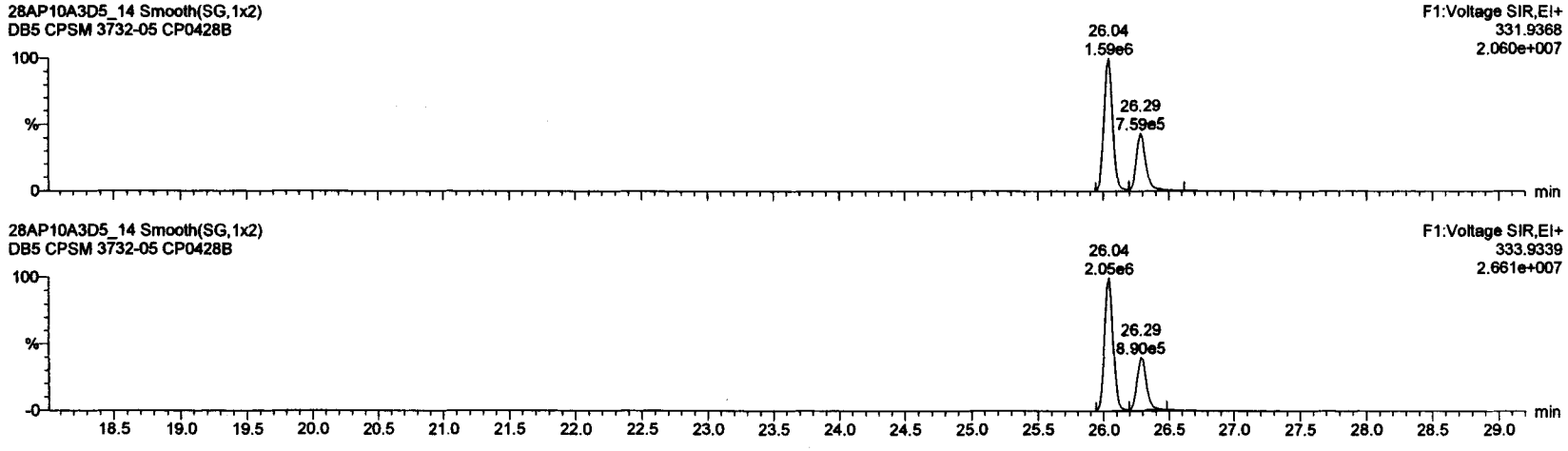

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

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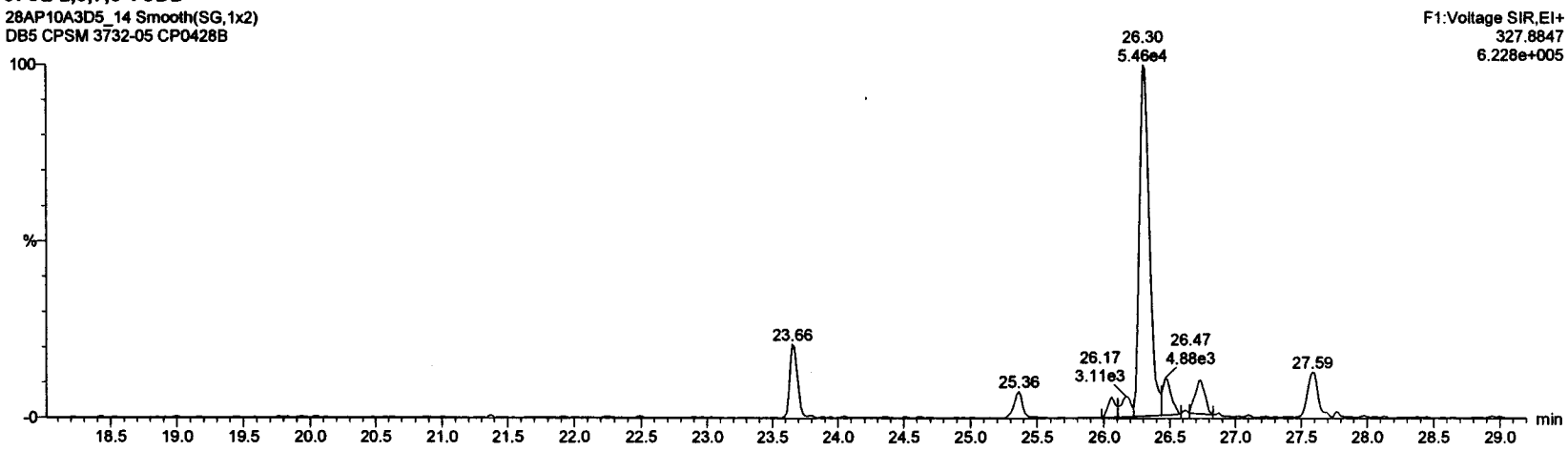
Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

37CL-2,3,7,8-TCDD



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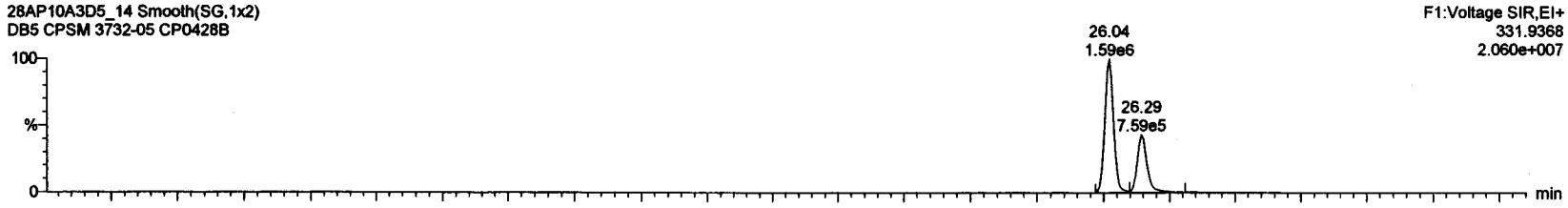

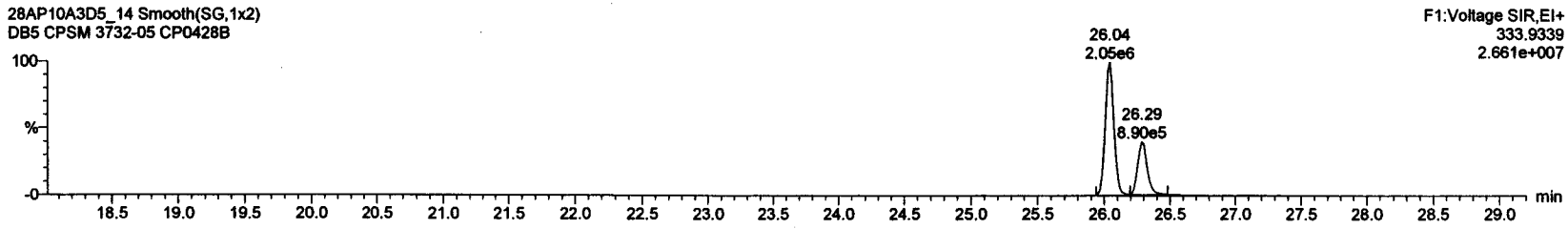

Quantify Sample Report **MassLynx 4.1**

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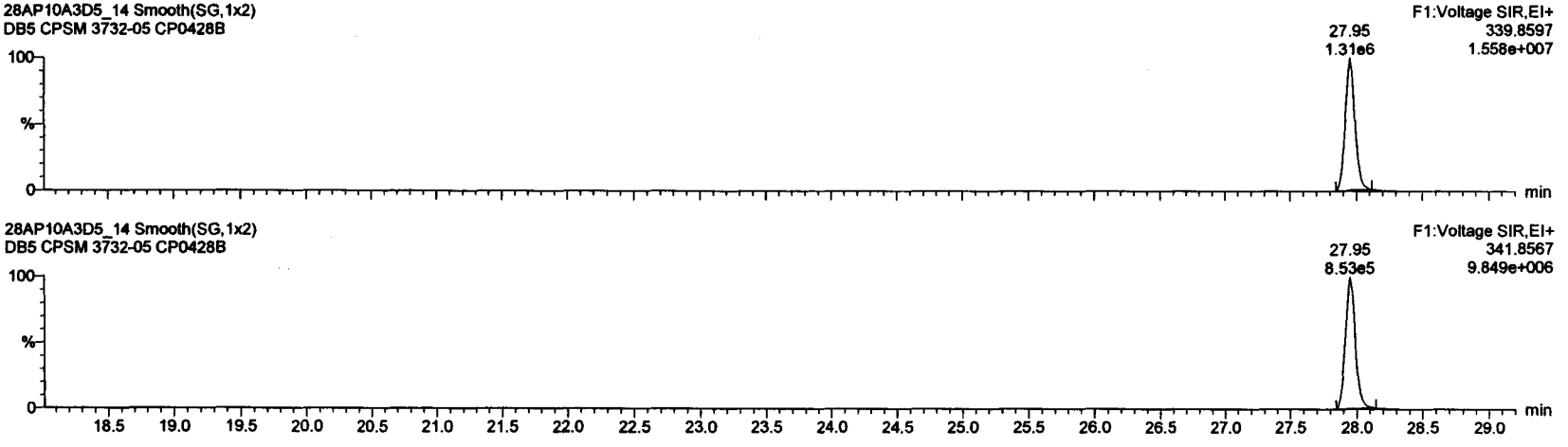
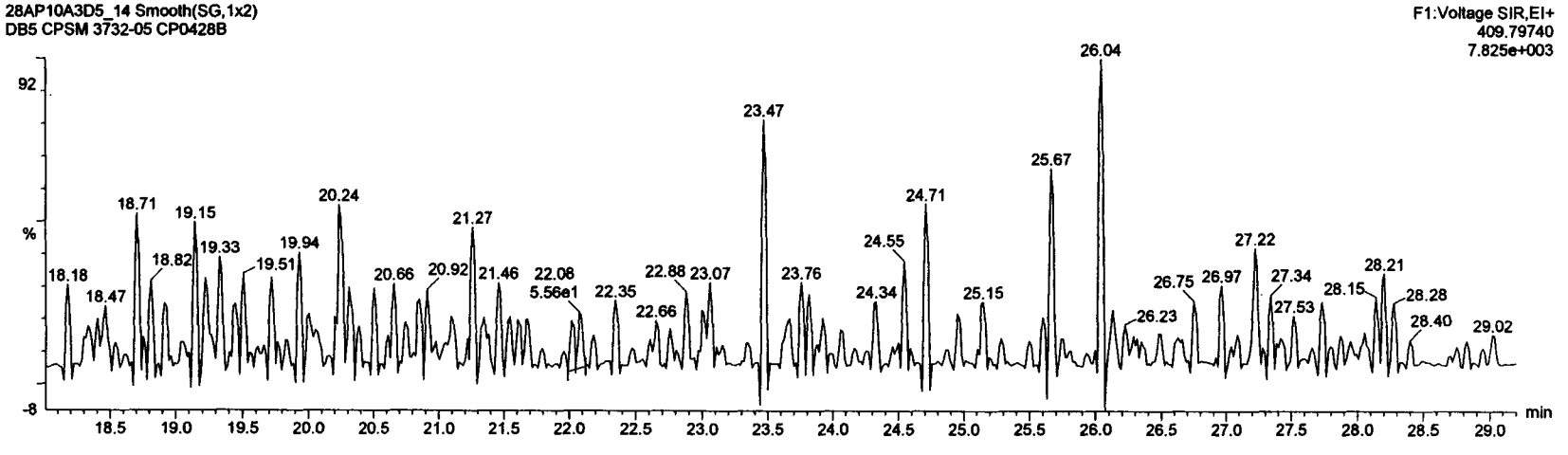
Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

F1 PeCDFs



F1 PeCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

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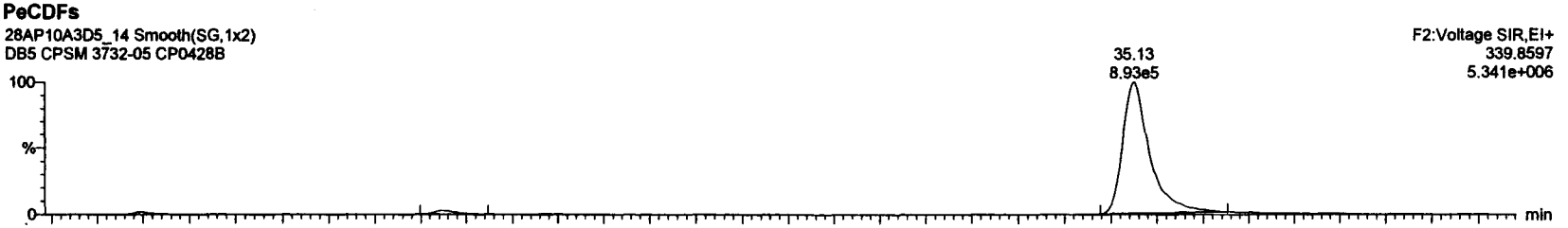
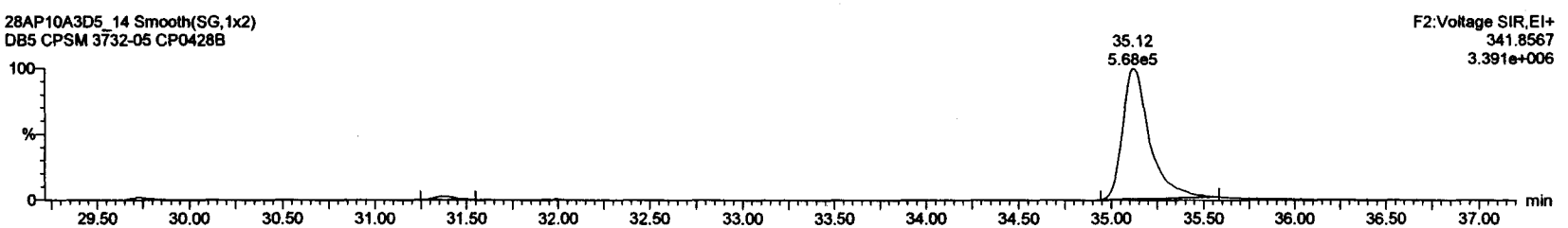
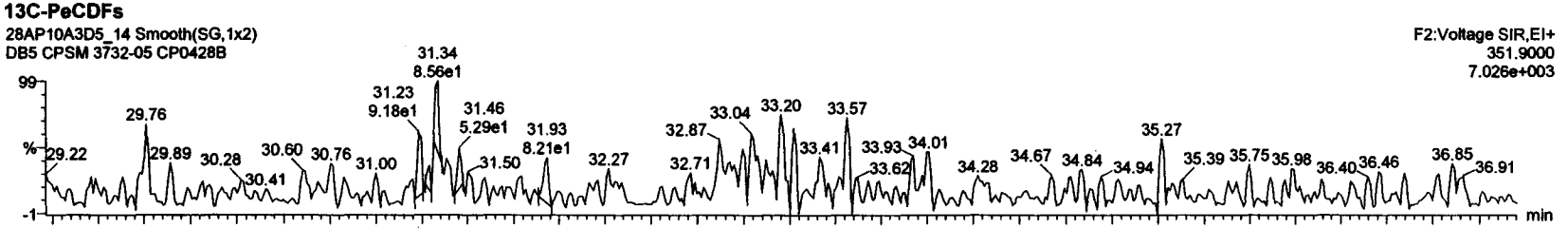
Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

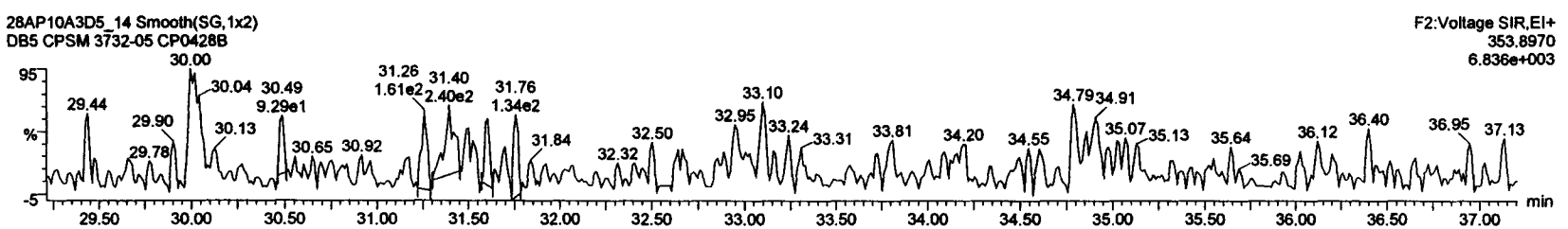
PeCDFs





13C-PeCDFs





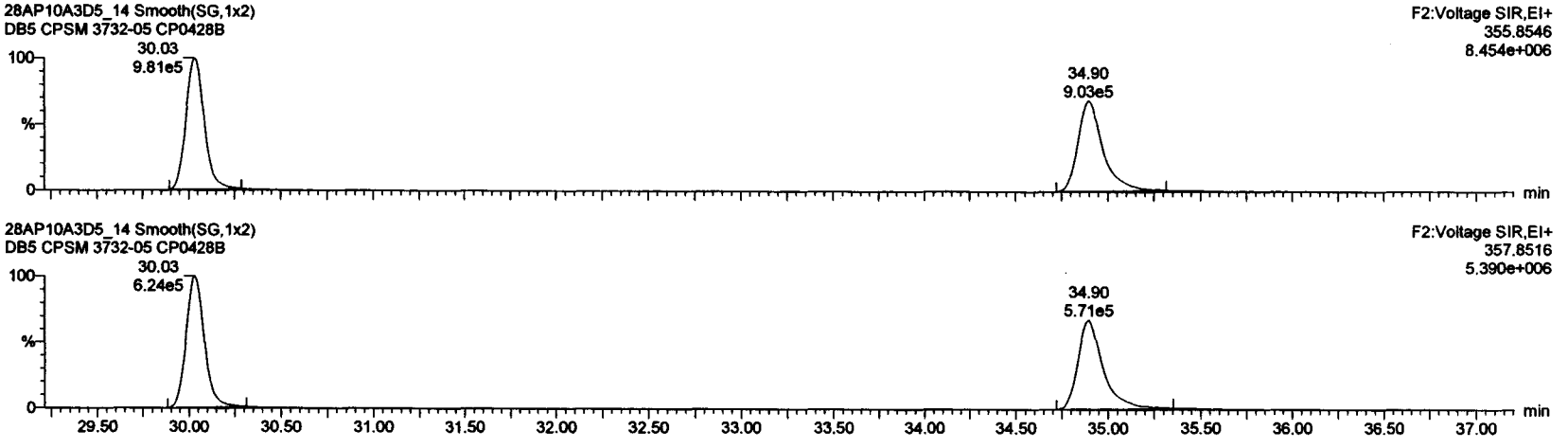
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

PeCDDs



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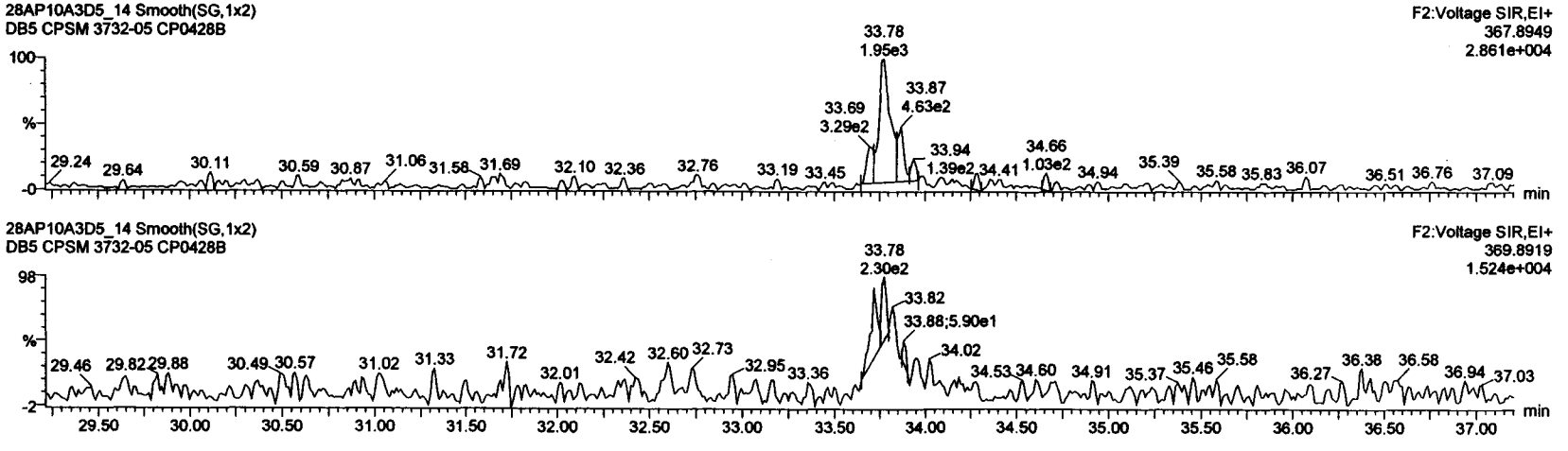

Quantify Sample Report **MassLynx 4.1**

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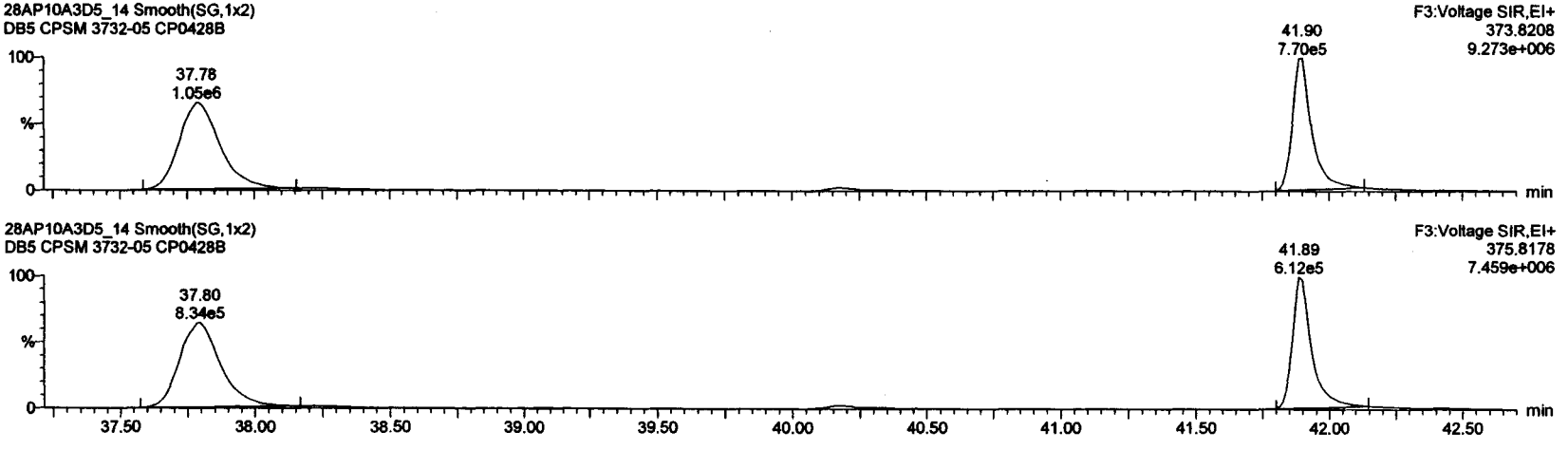
Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

HxCDFs



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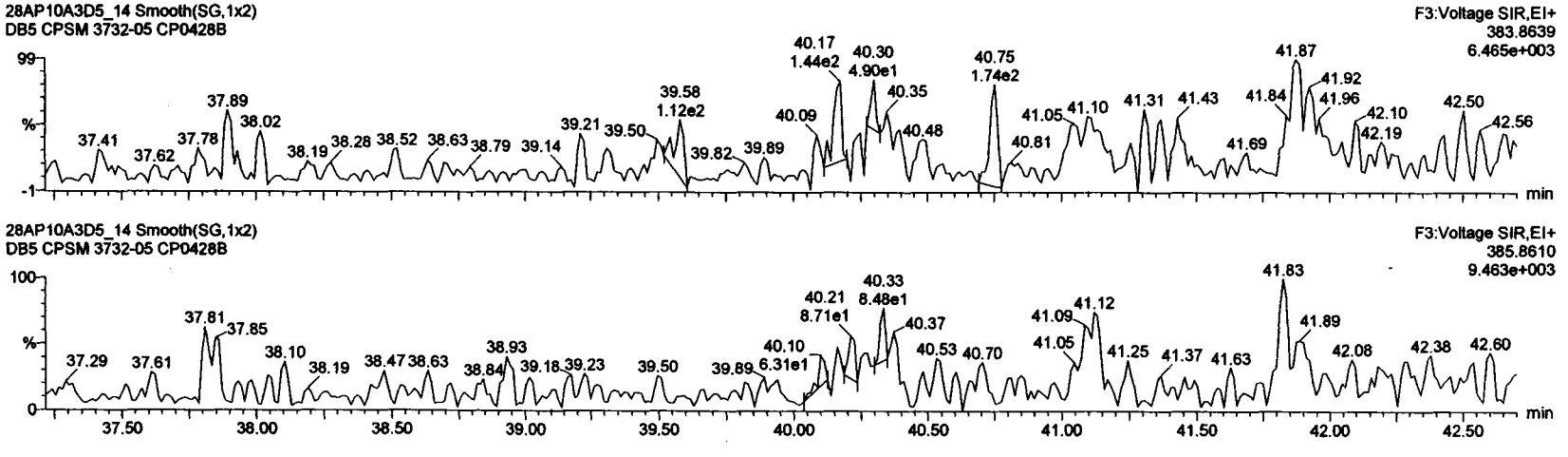

Quantify Sample Report **MassLynx 4.1**

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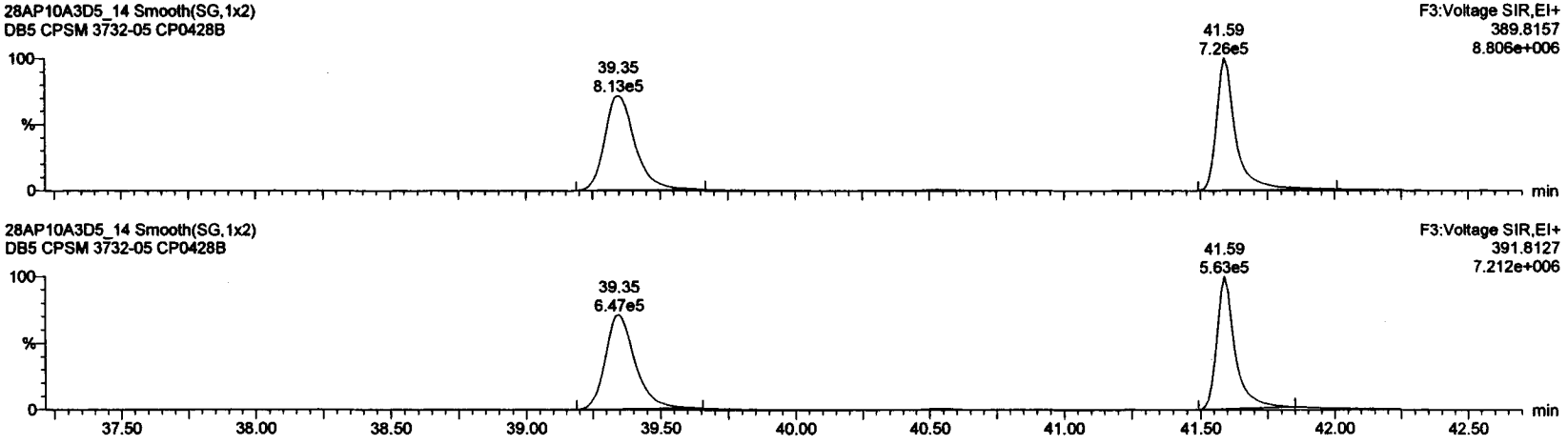
HxCDDs



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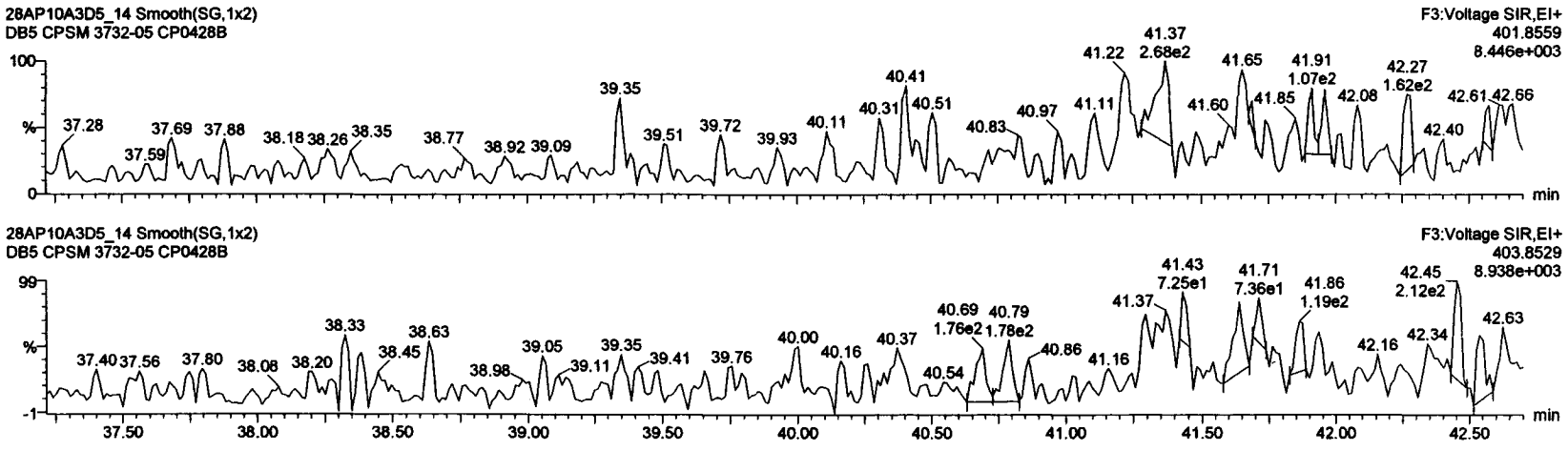

Quantify Sample Report **MassLynx 4.1**

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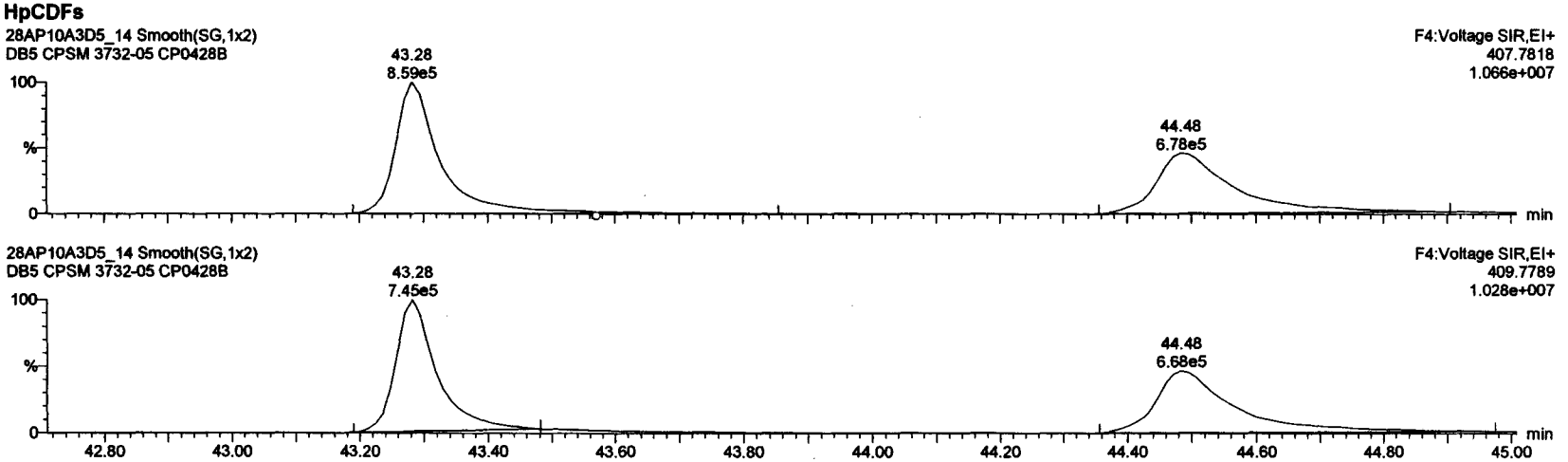
HpCDFs



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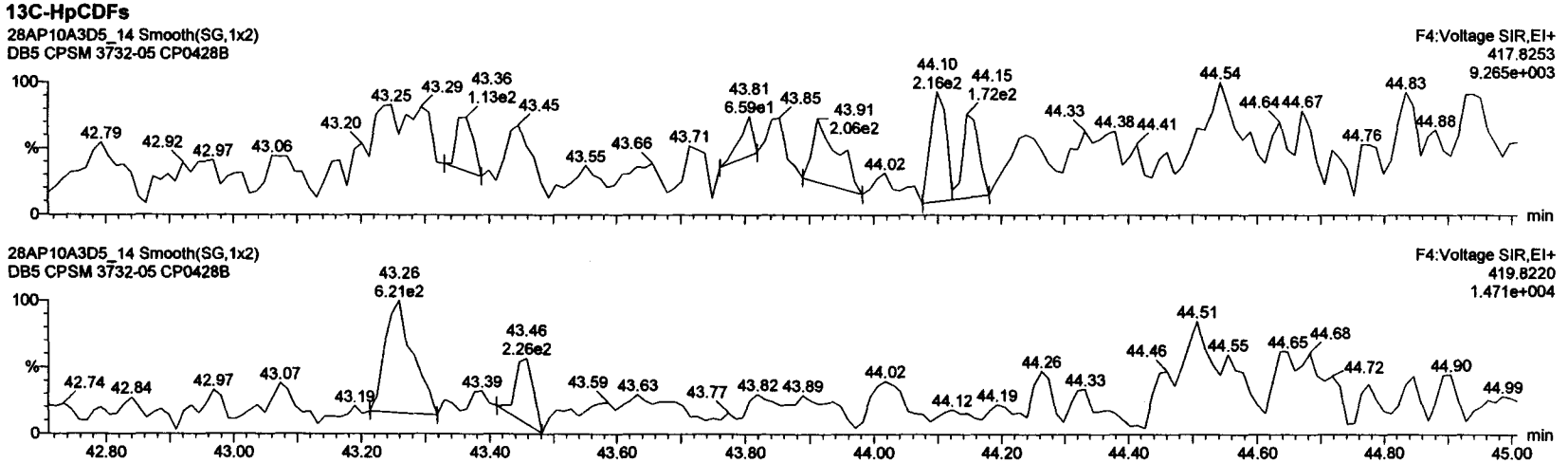

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

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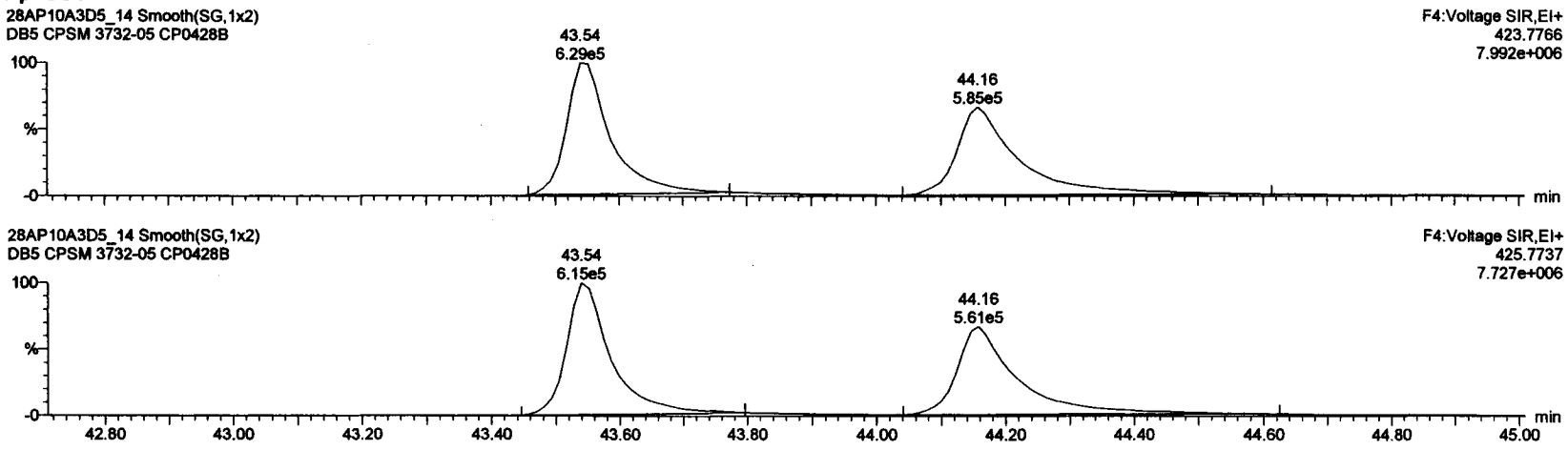
Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

HpCDDs



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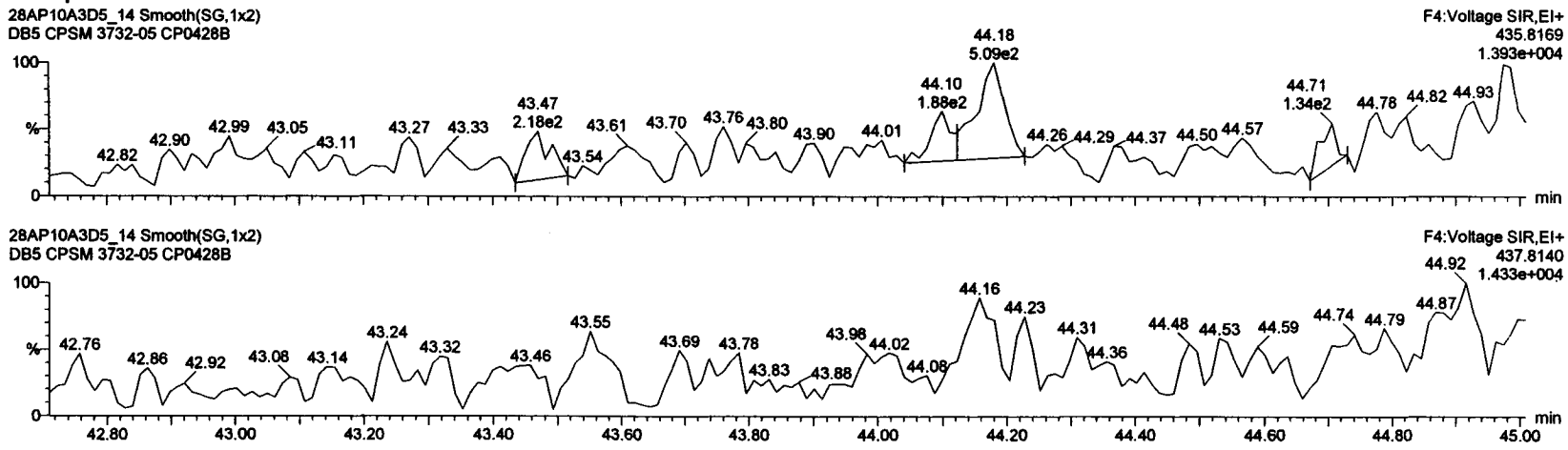

Quantify Sample Report **MassLynx 4.1**

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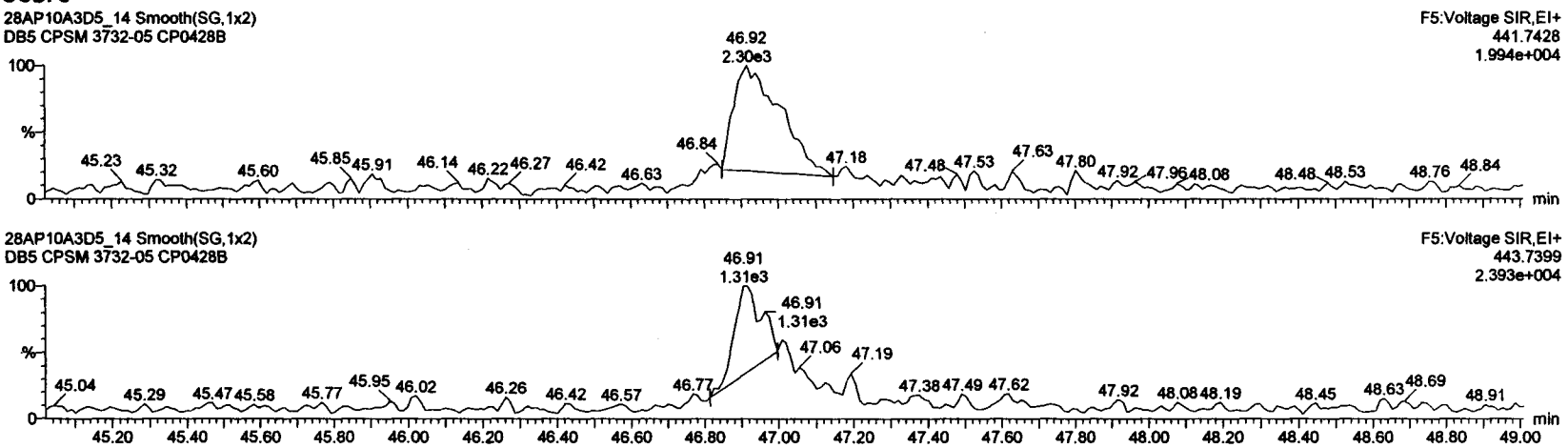
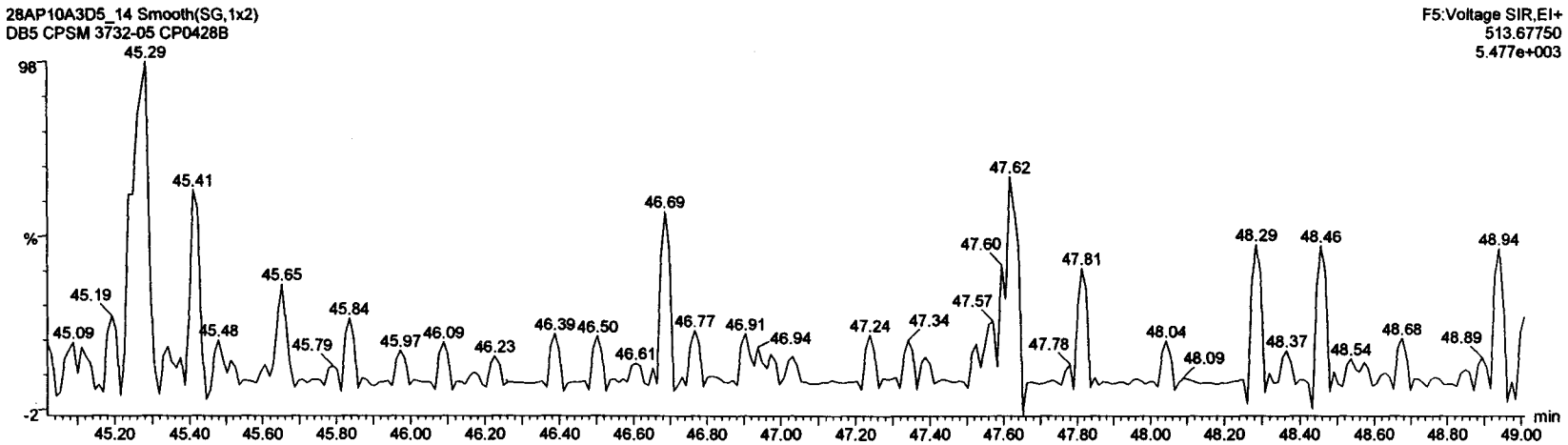
OCDFs



OCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

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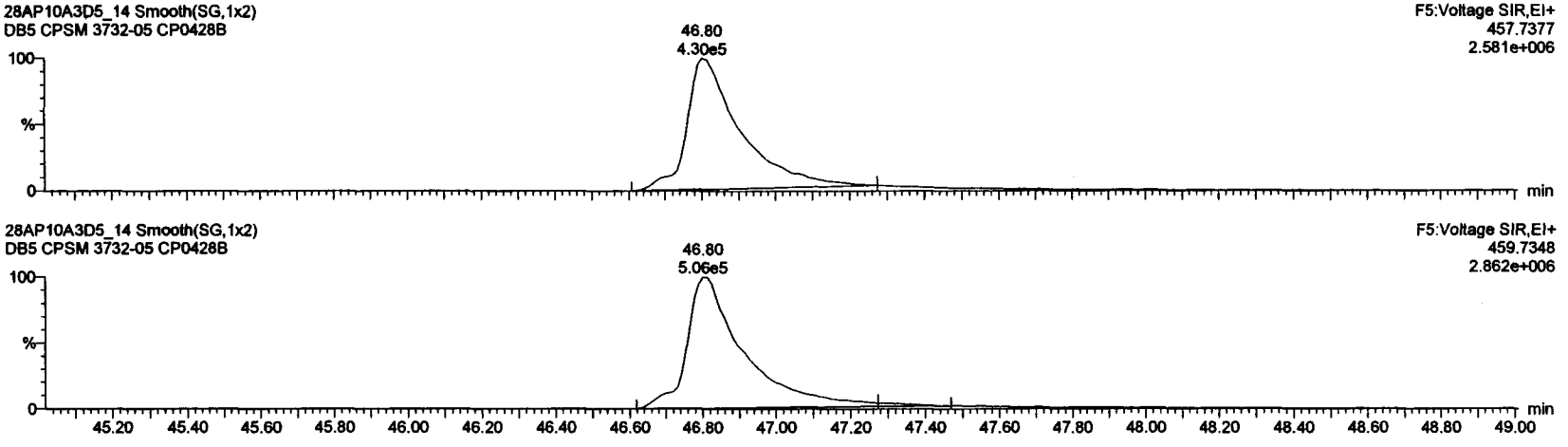
OCDD



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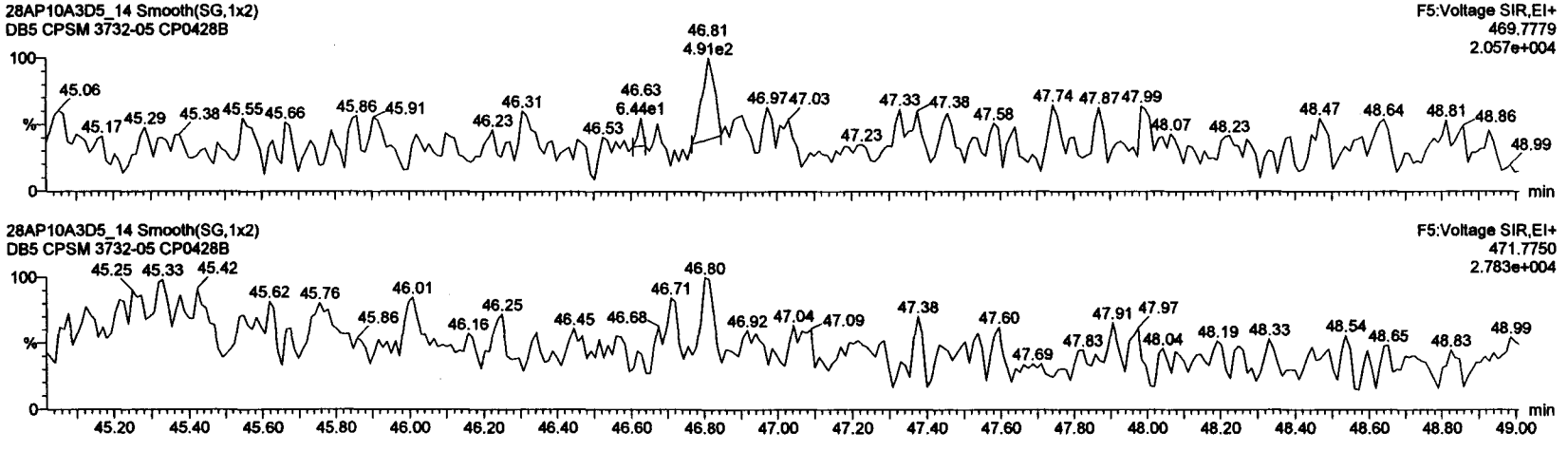

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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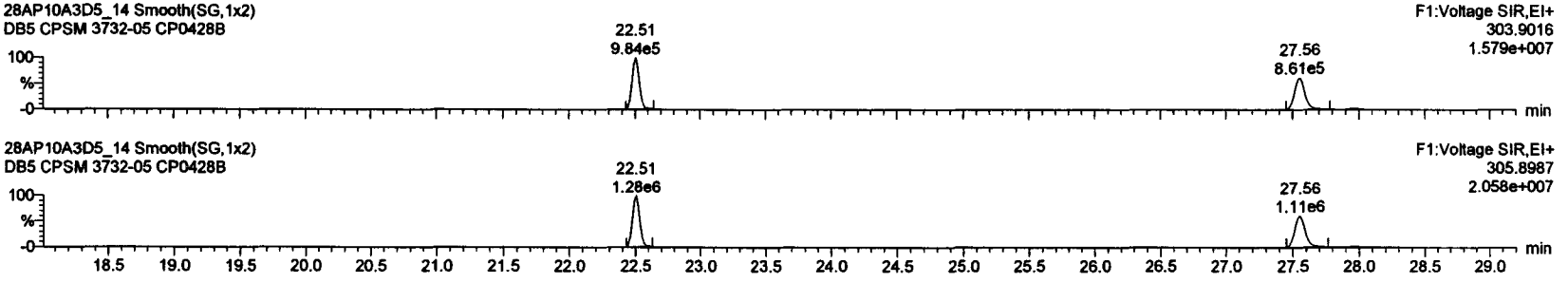
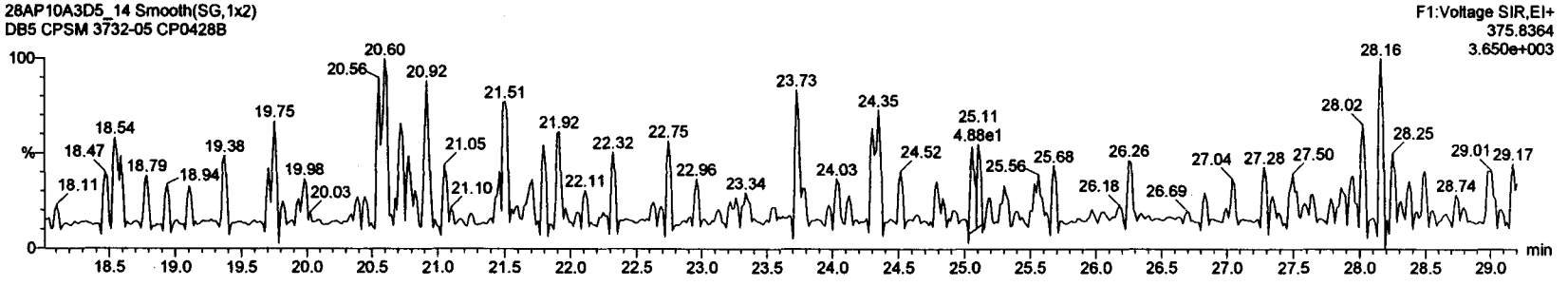
TCDFs



TCDF PCDPE



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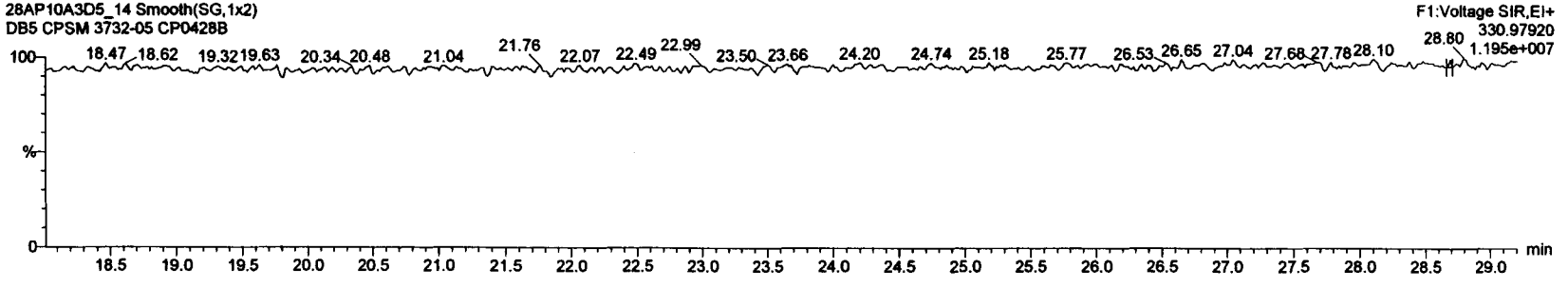

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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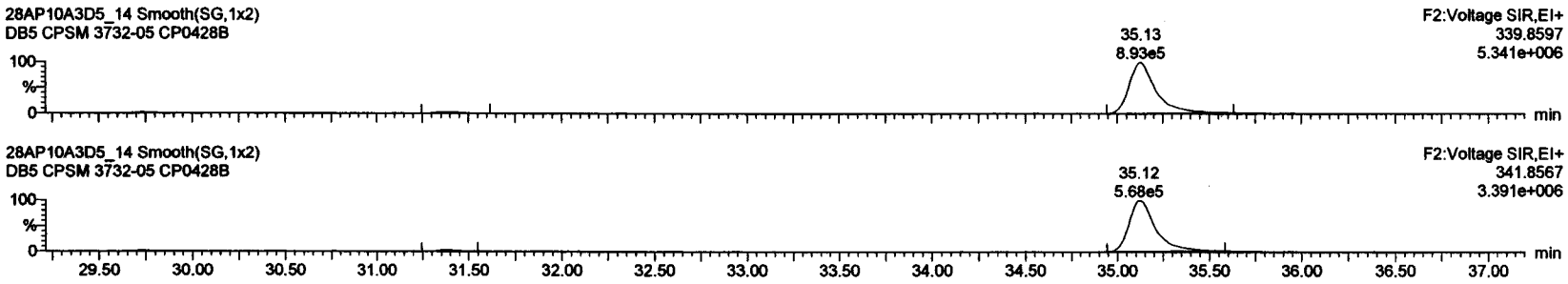
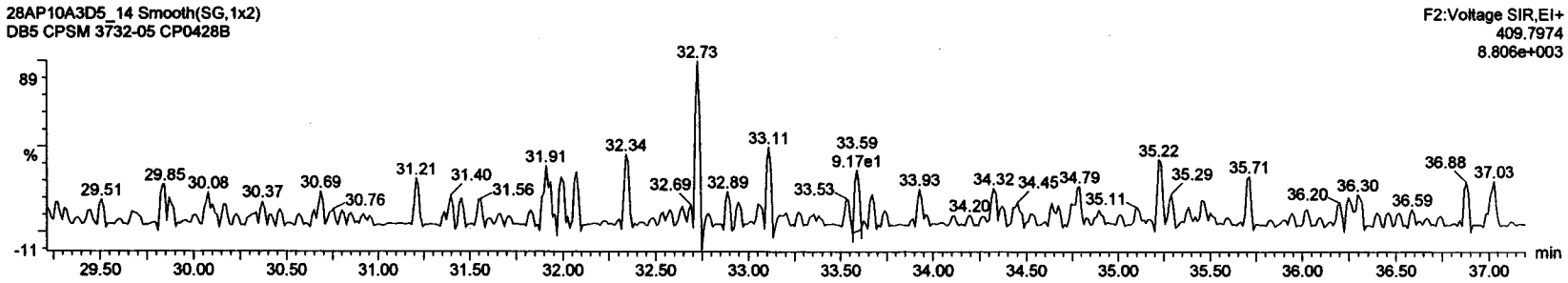
Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

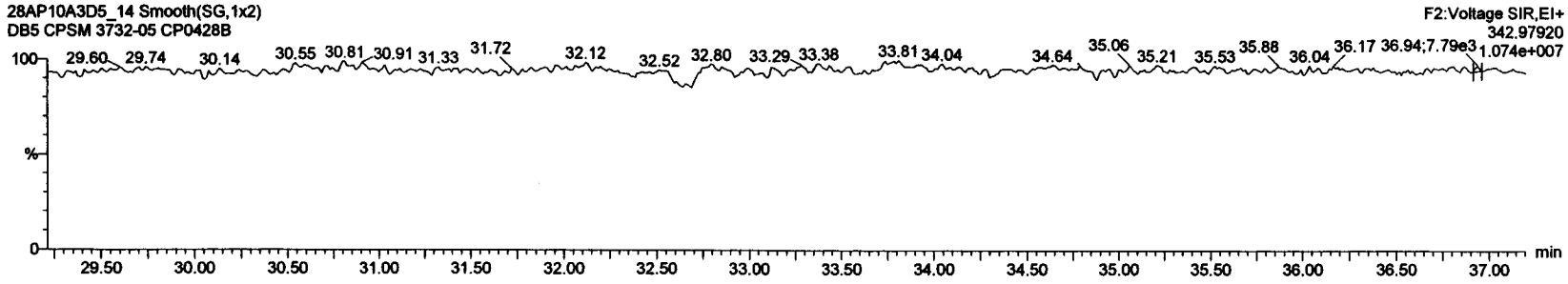
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

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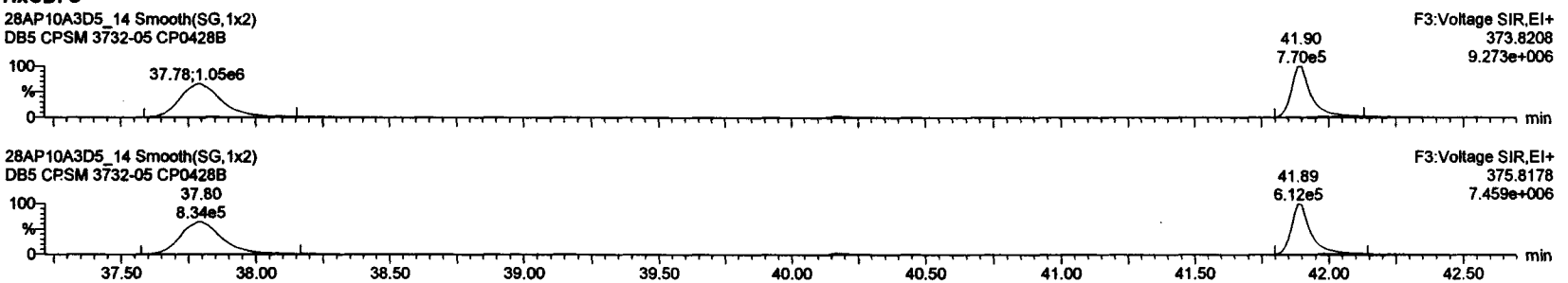
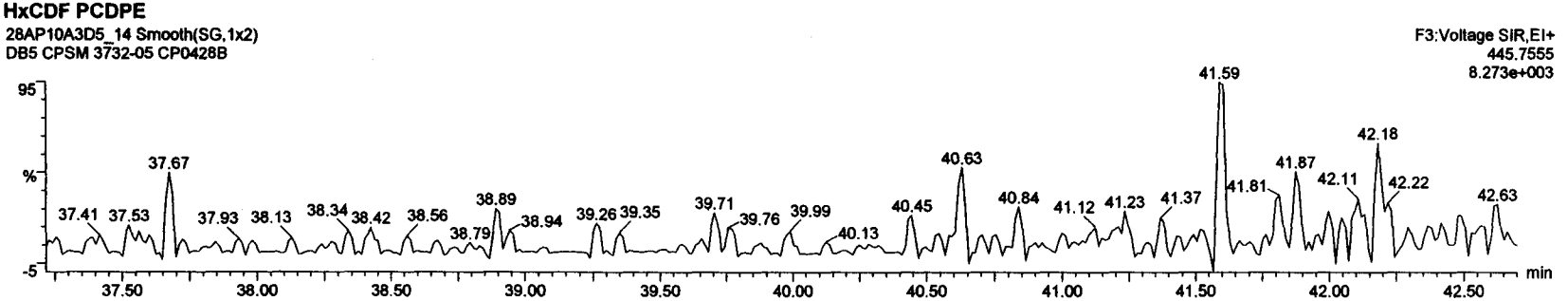
Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

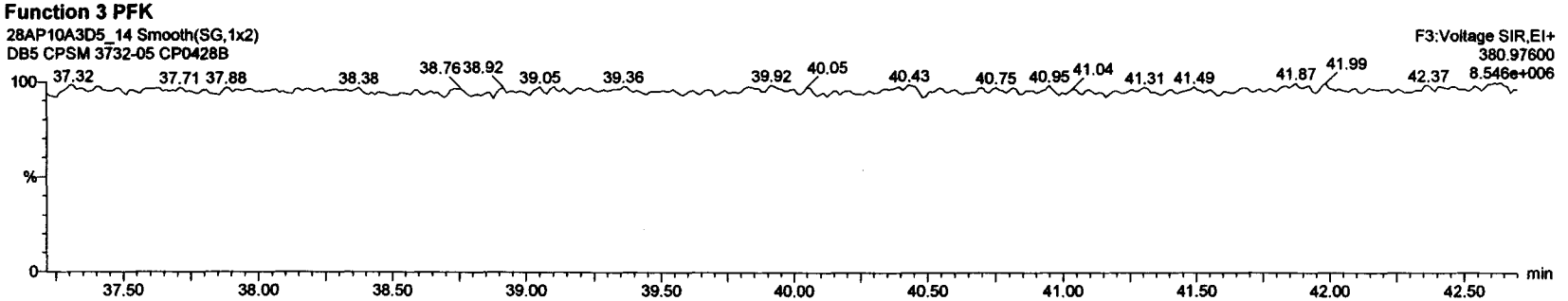
HxCDFs



HxCDF PCDPE



Function 3 PFK



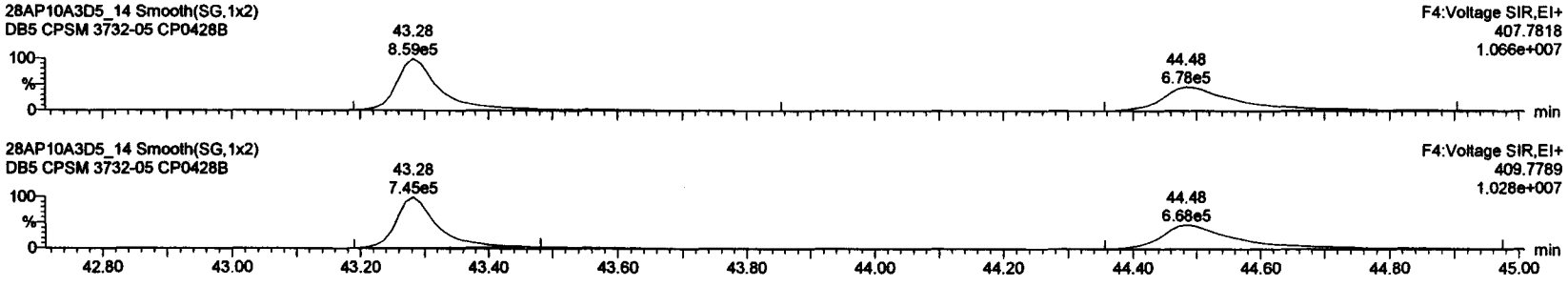
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

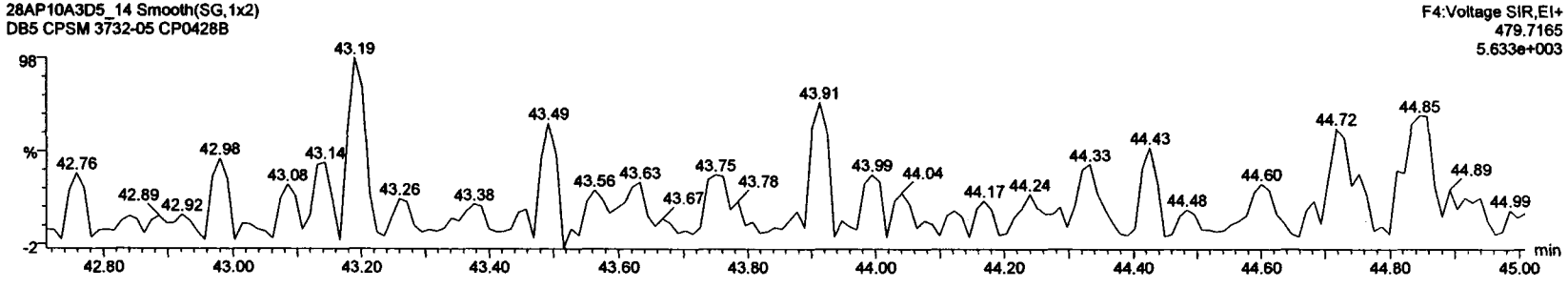
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

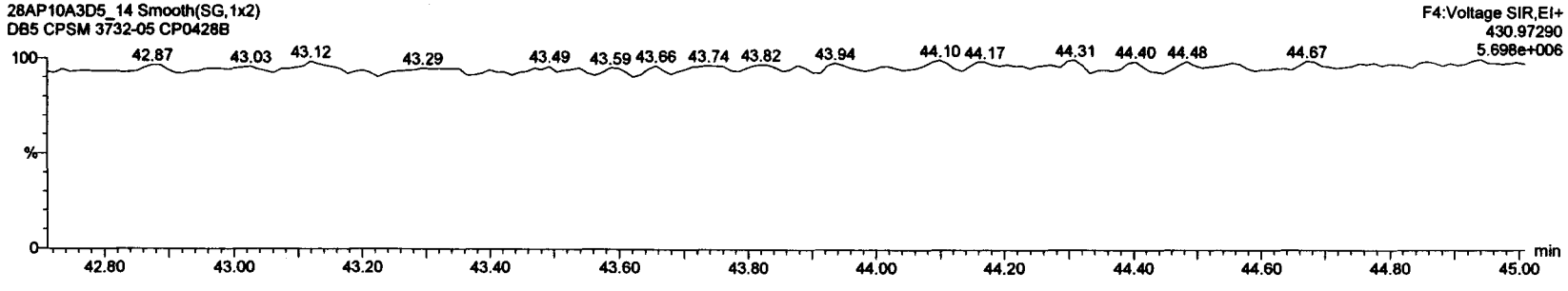
HpCDFs



HpCDF PCDPE



Function 4 PFK



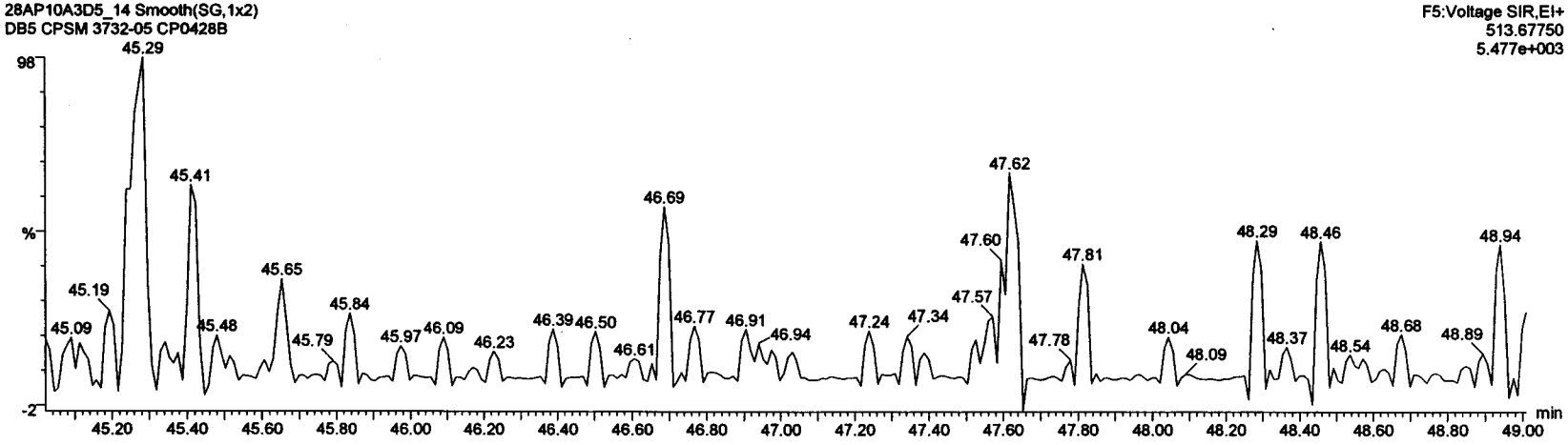
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

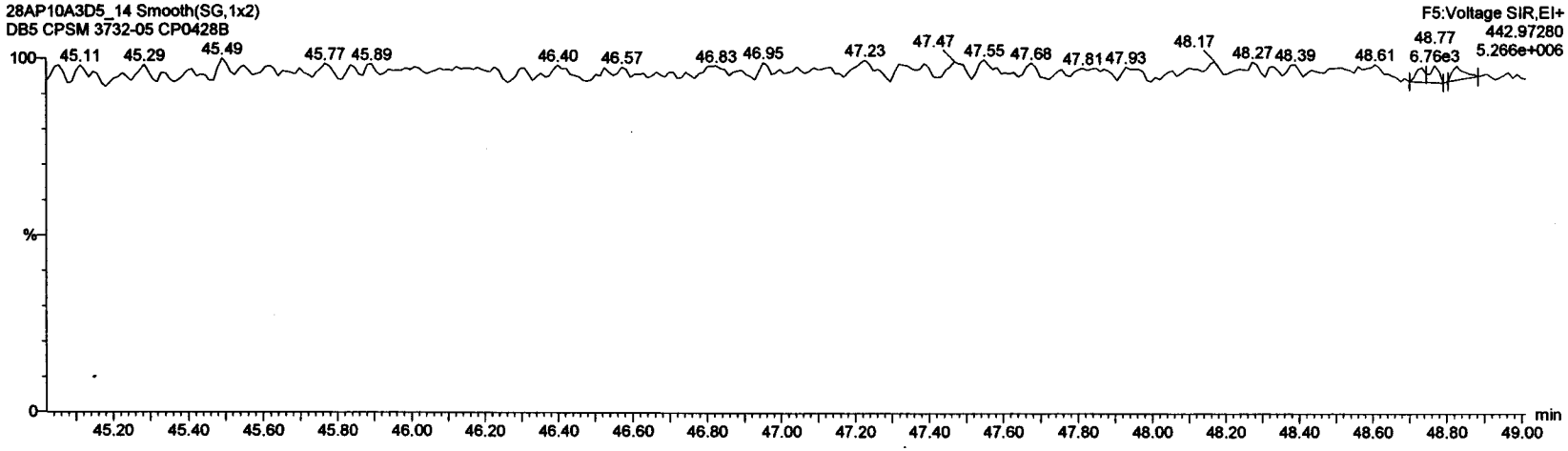
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_14, Date: 29-Apr-2010, Time: 11:10:32, ID: CP0428B, Description: DB5 CPSM 3732-05

OCDF PCDPE



Function 5 PFK



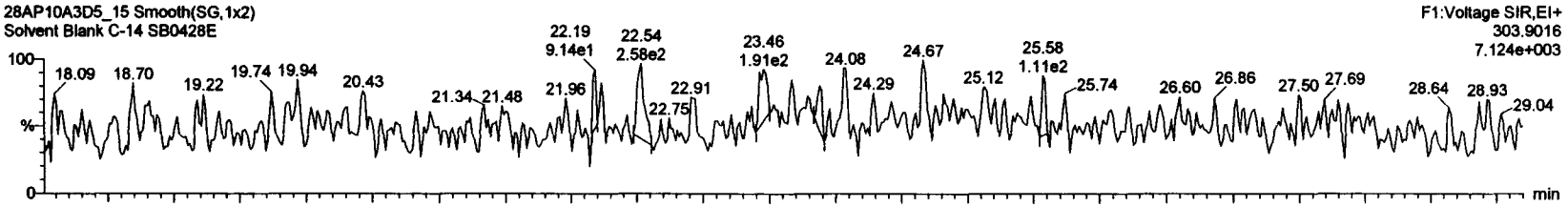
Quantify Sample Report **MassLynx 4.1**

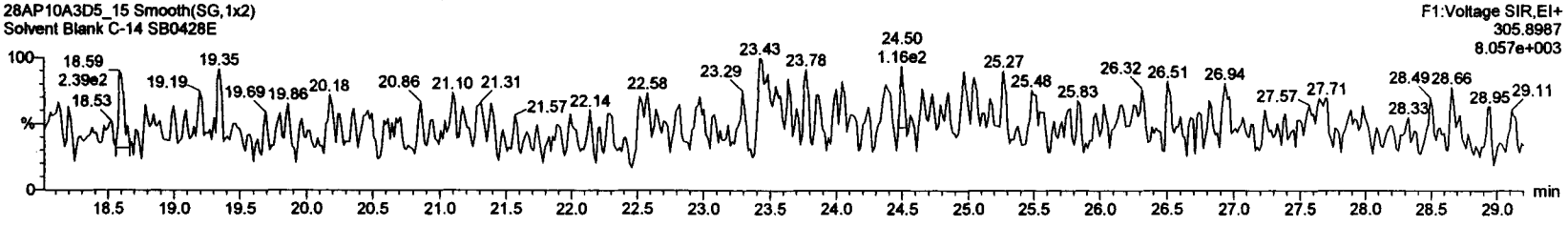
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

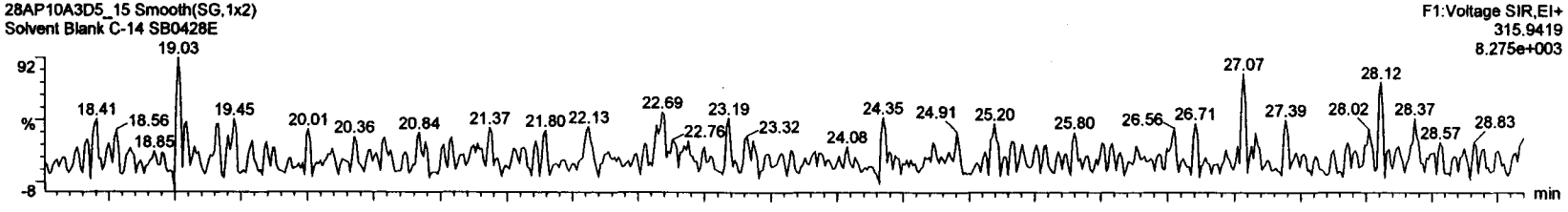
Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

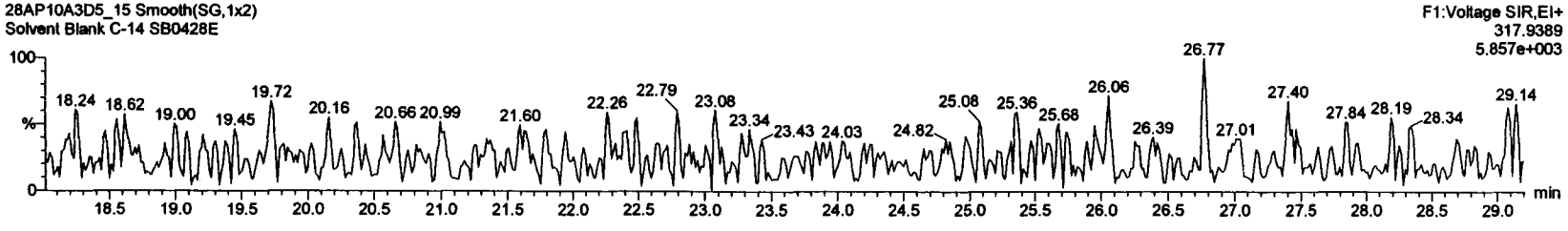
TCDFs





13C-TCDF





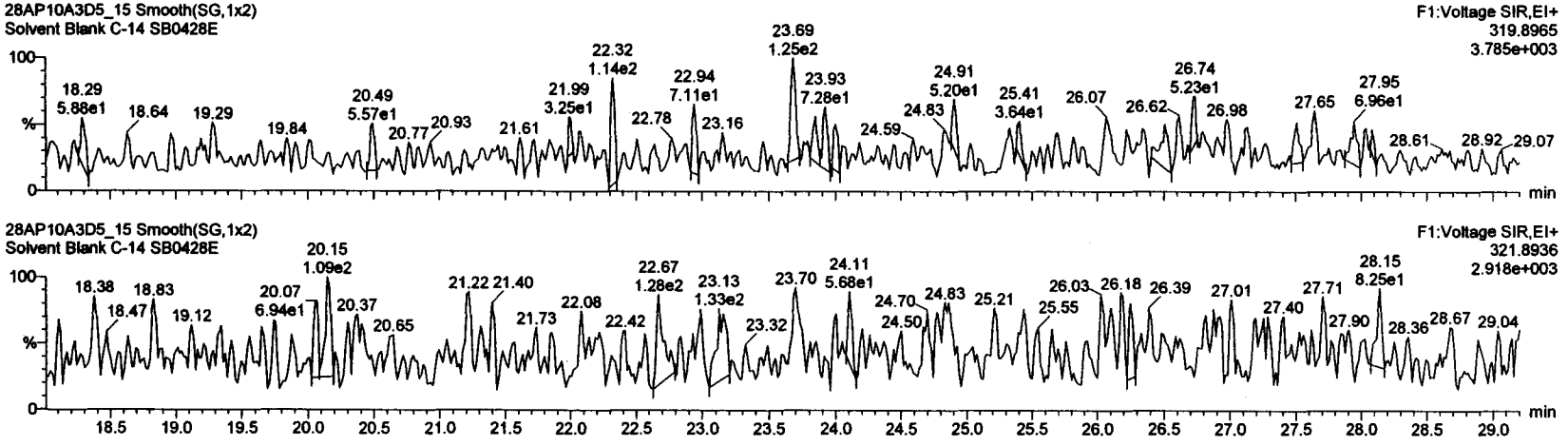
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

TCDDs



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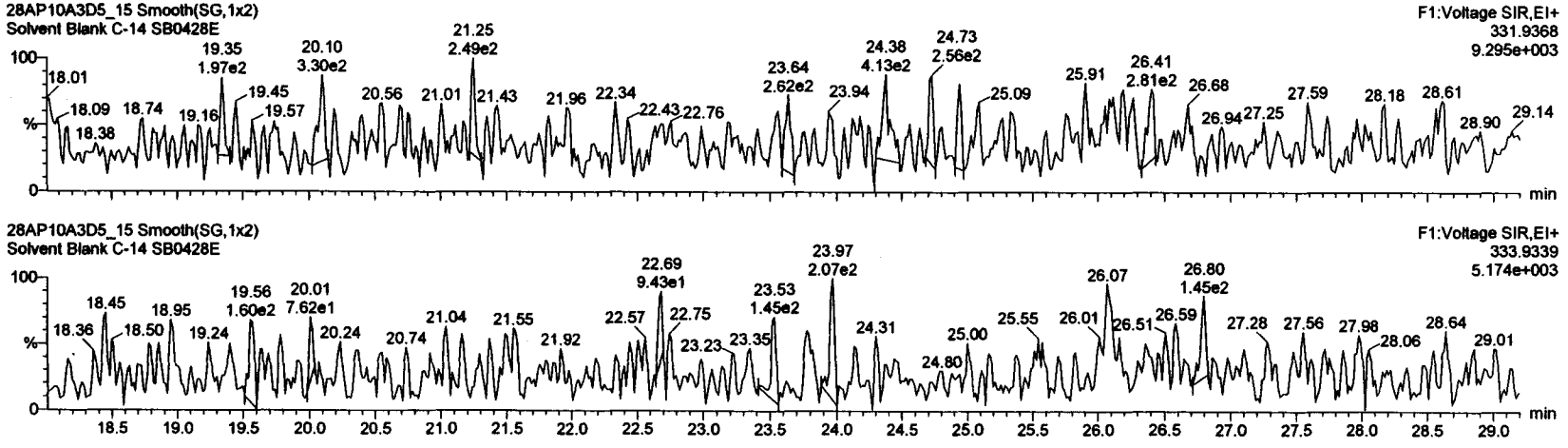

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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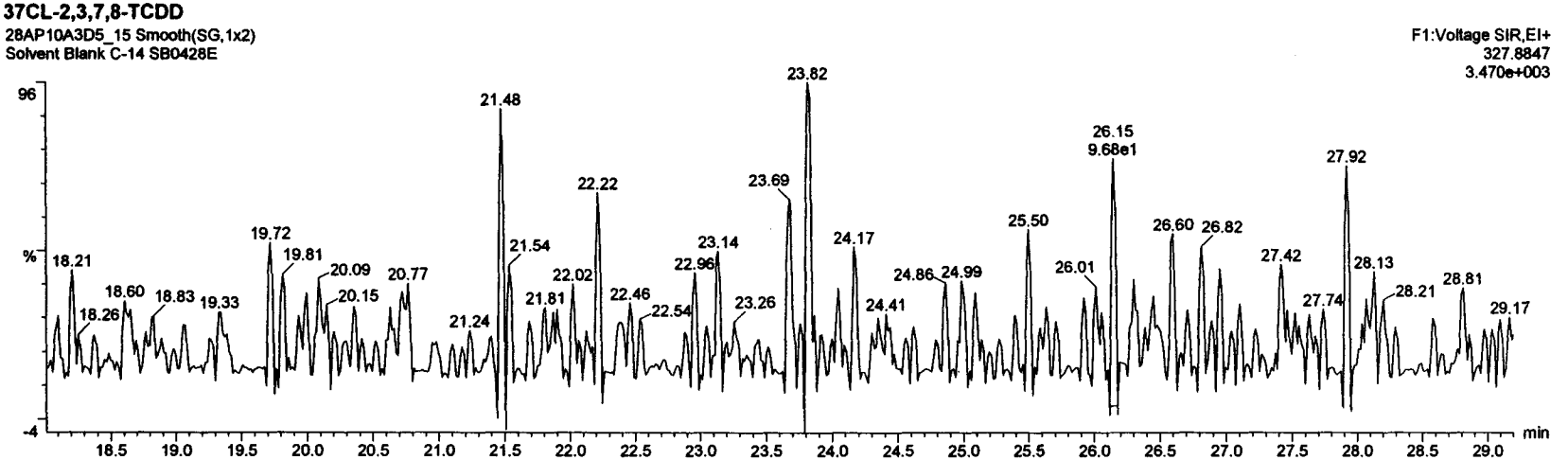
Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

37CL-2,3,7,8-TCDD



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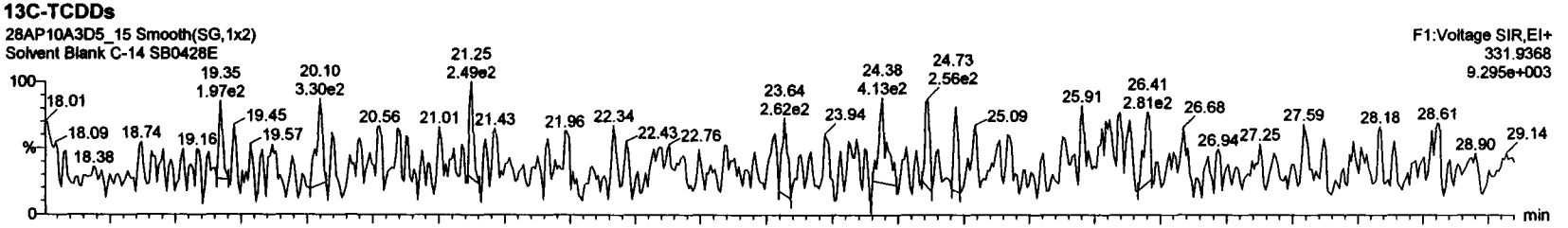
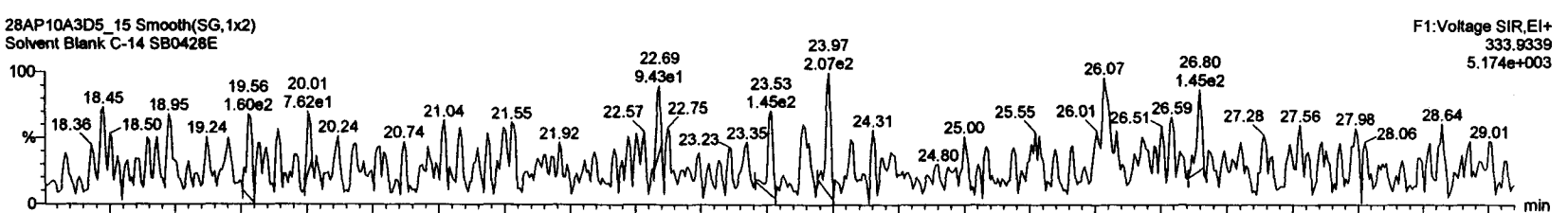




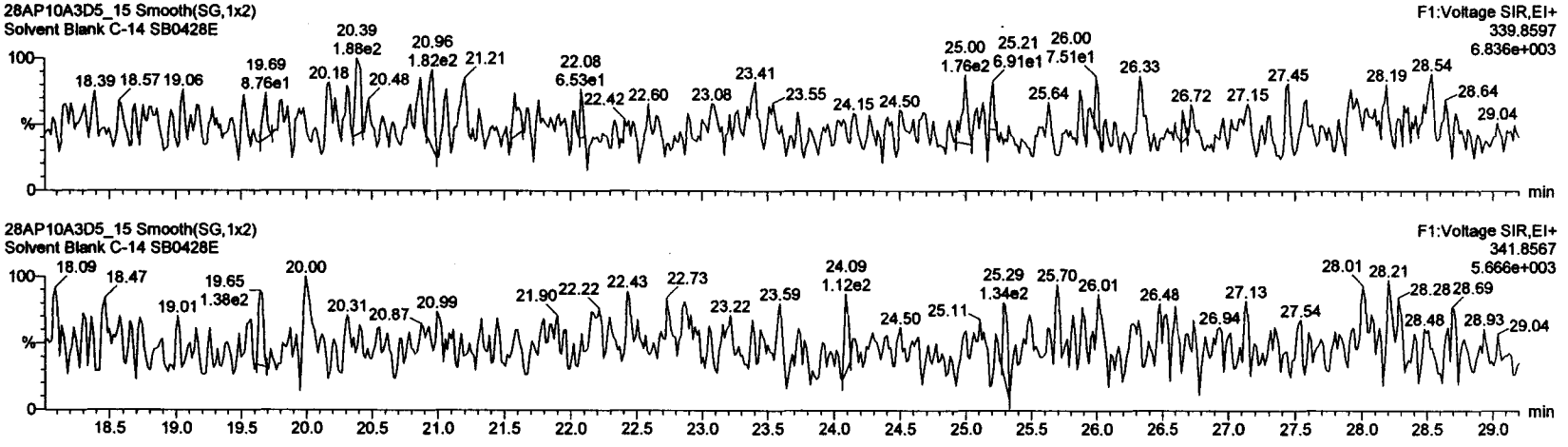
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

F1 PeCDFs



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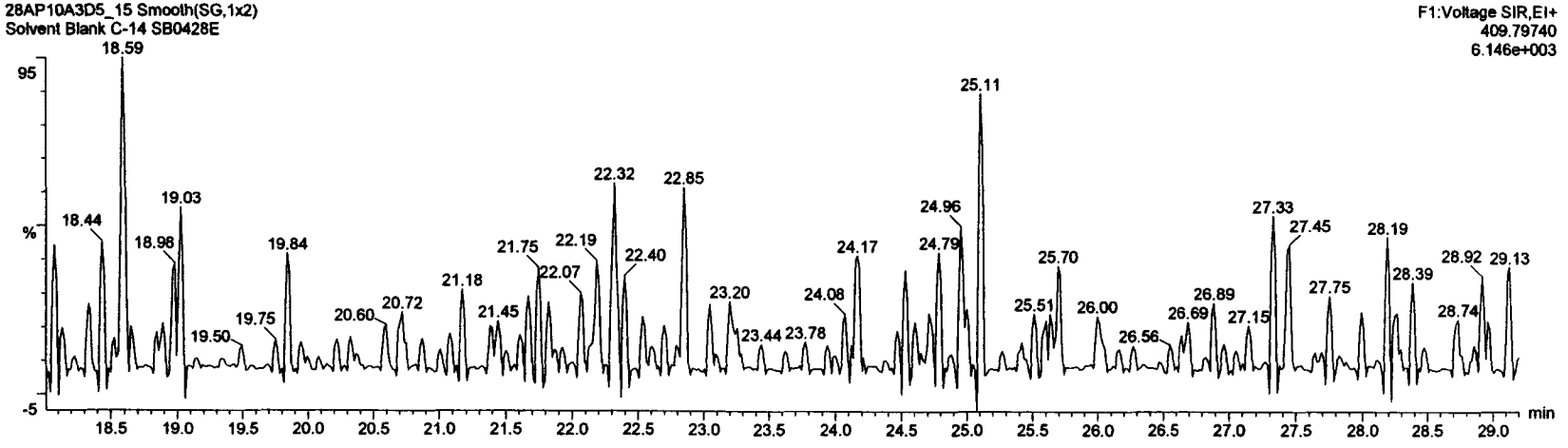


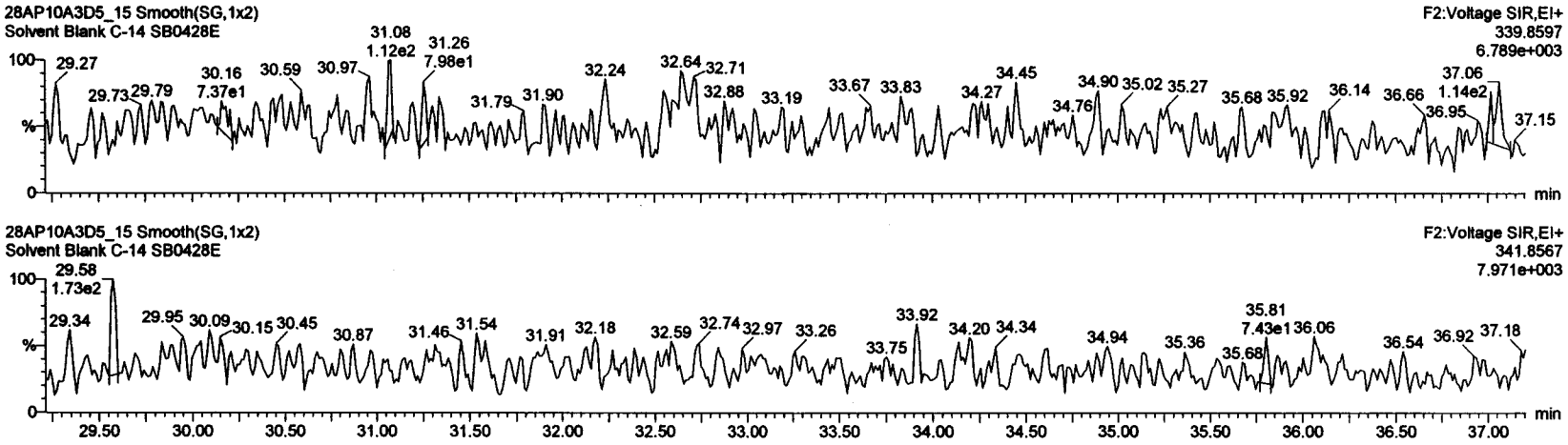
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

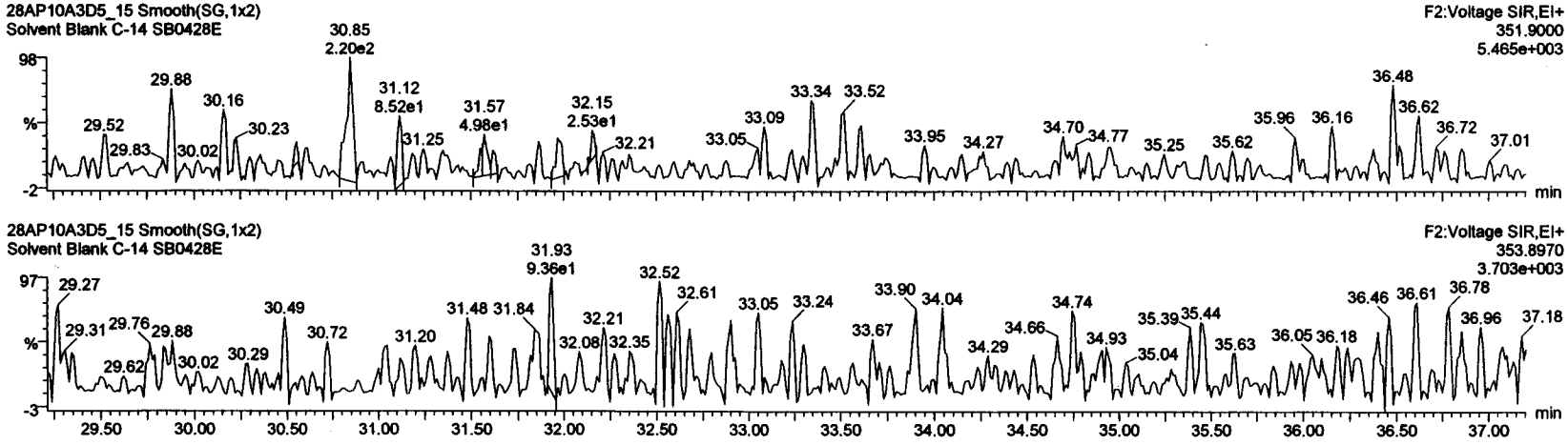
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

PeCDFs



13C-PeCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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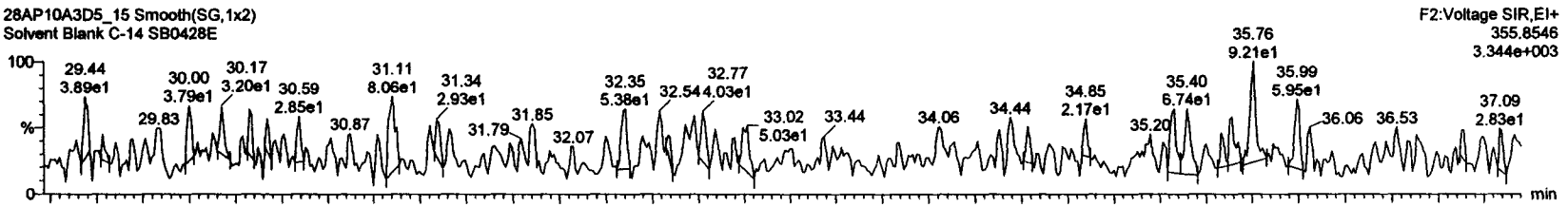
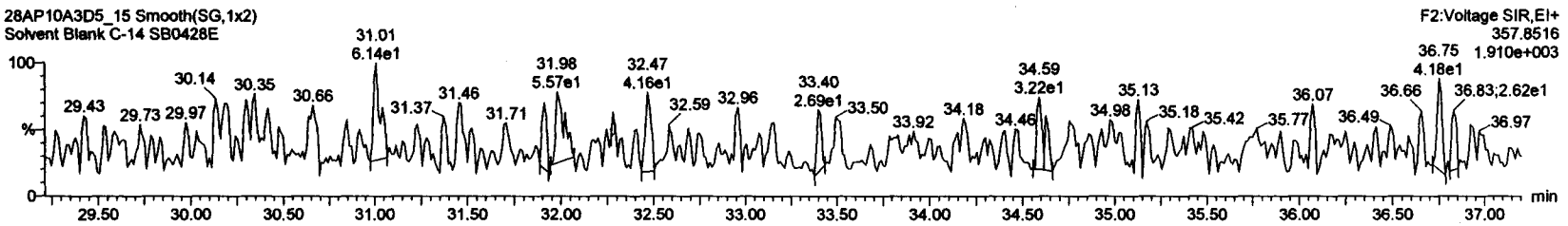
Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

PeCDDs





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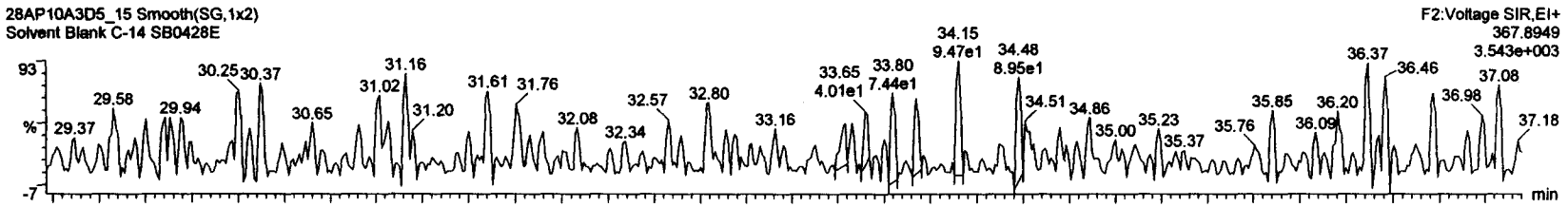
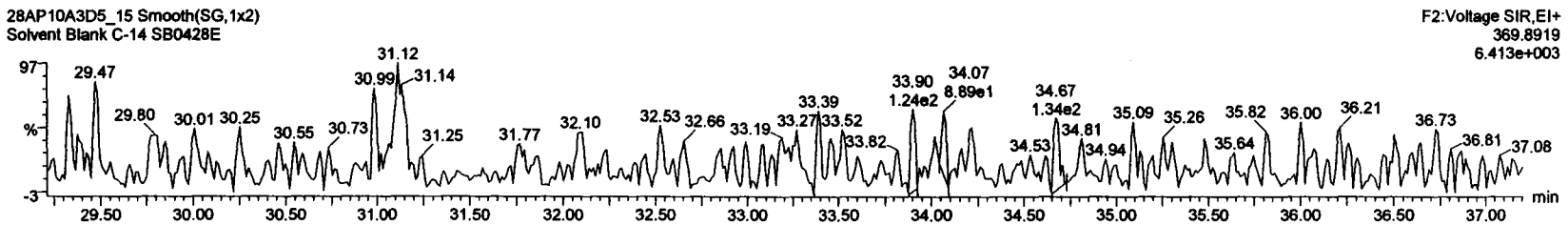




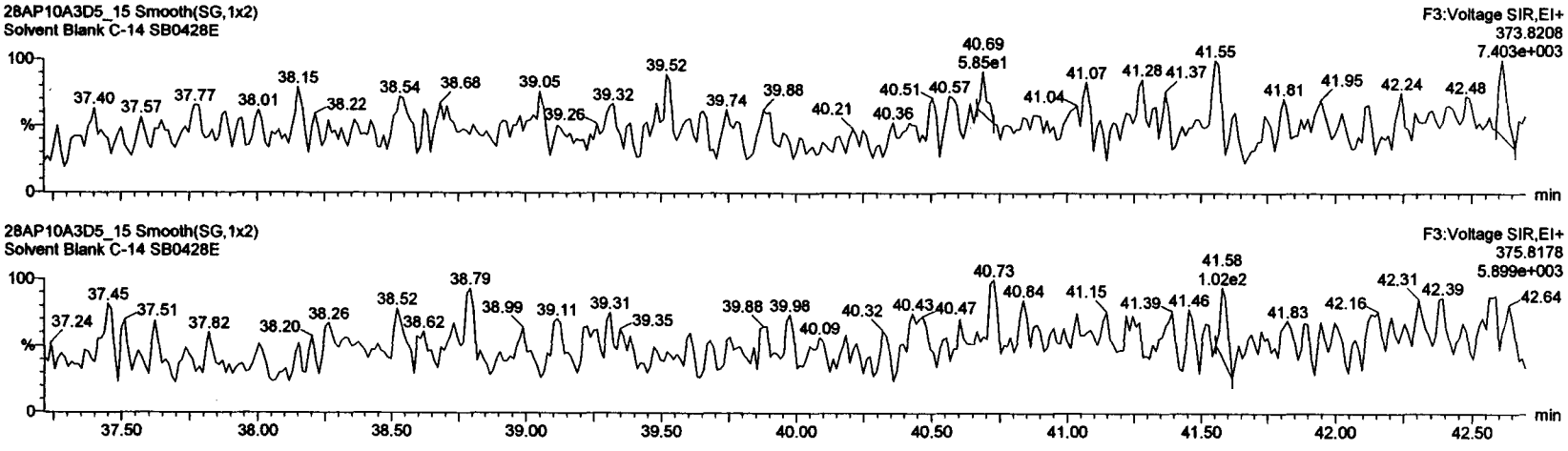
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

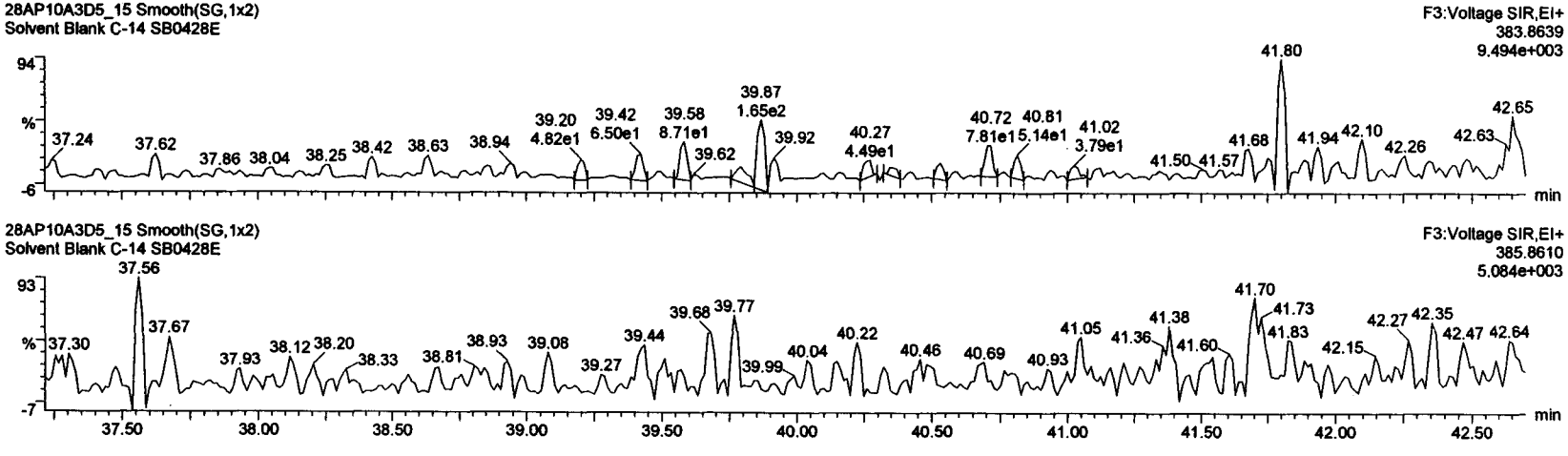
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

HxCDFs



13C-HxCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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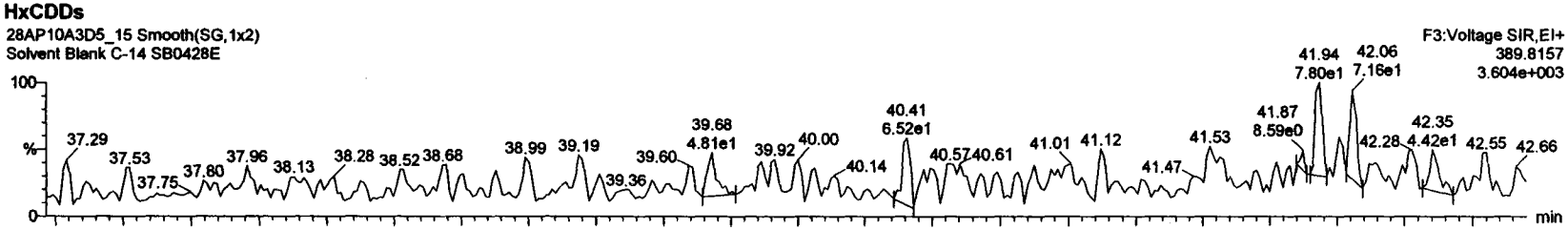
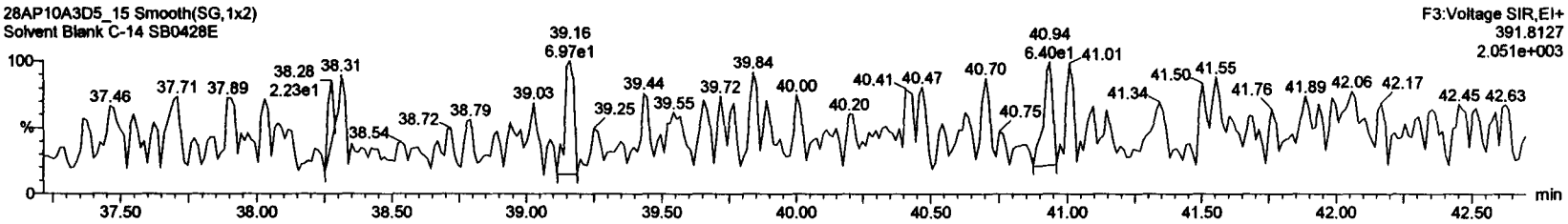
Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

HxCDDs





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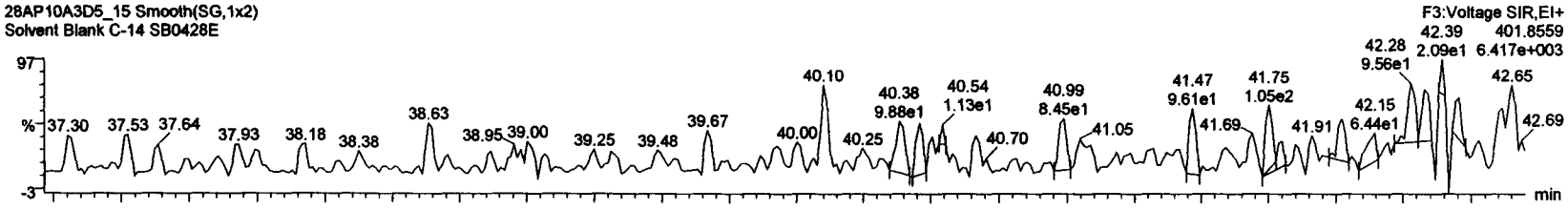
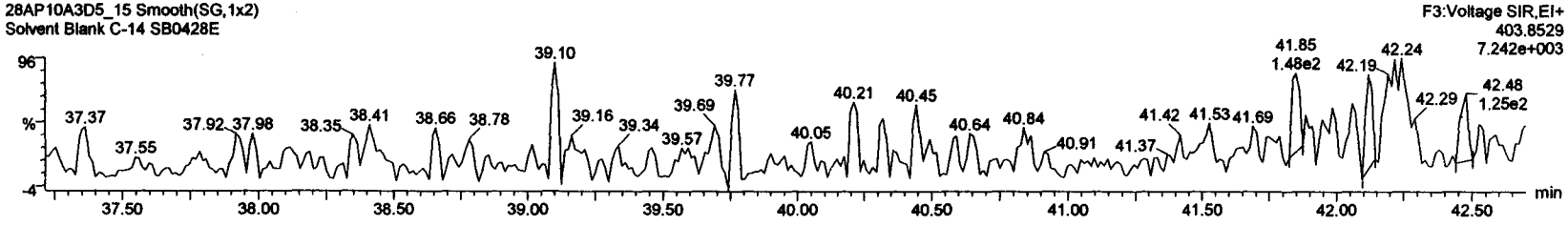




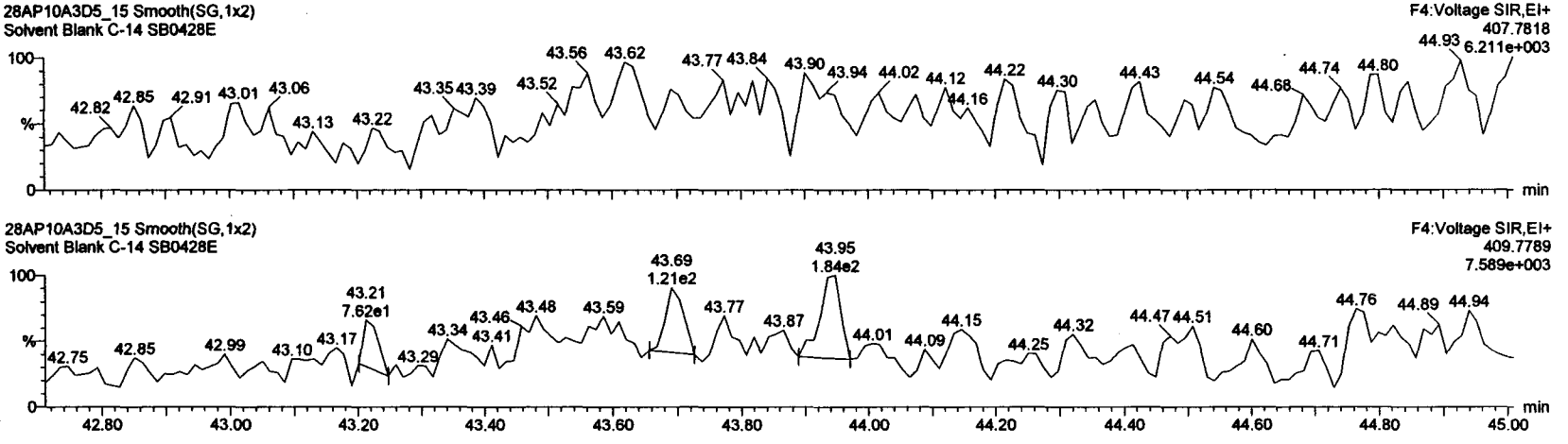
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

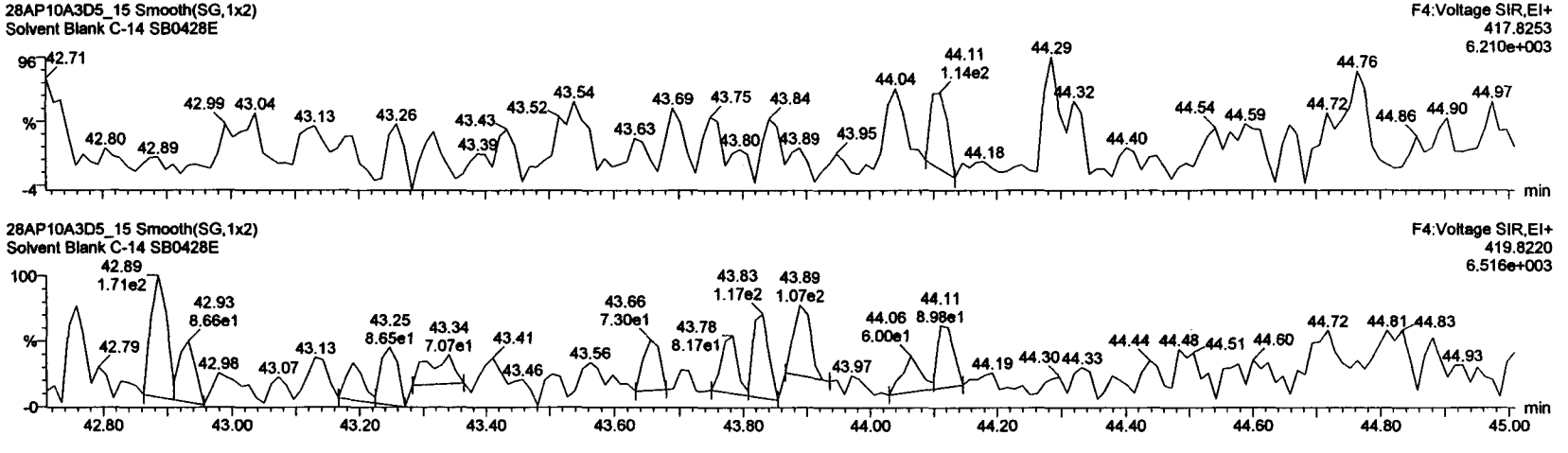
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

HpCDFs



13C-HpCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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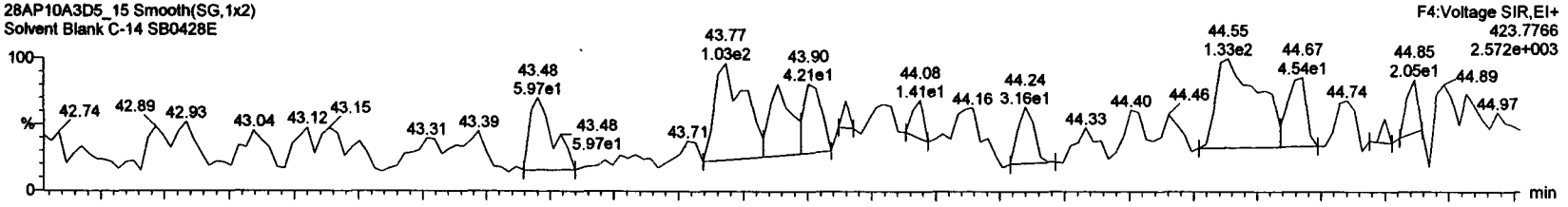
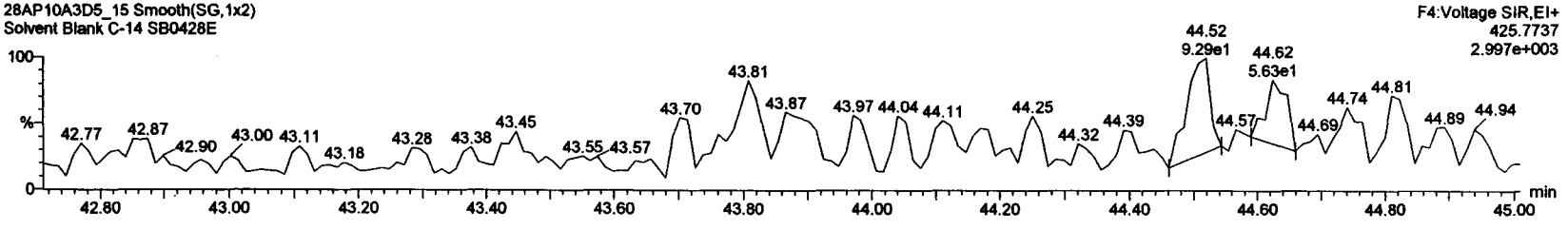
Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

HpCDDs





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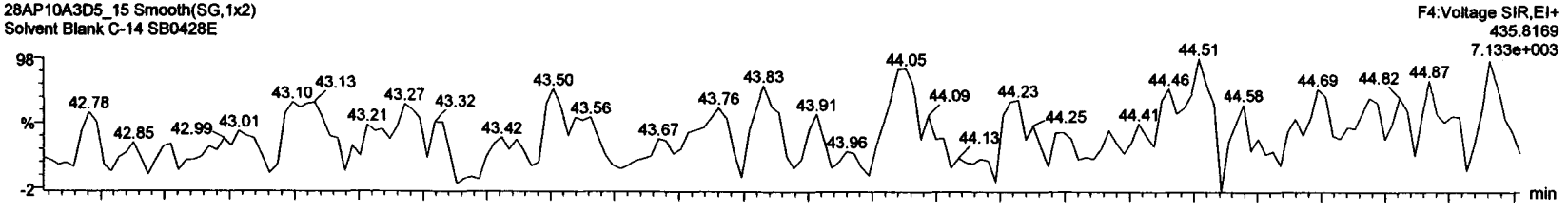

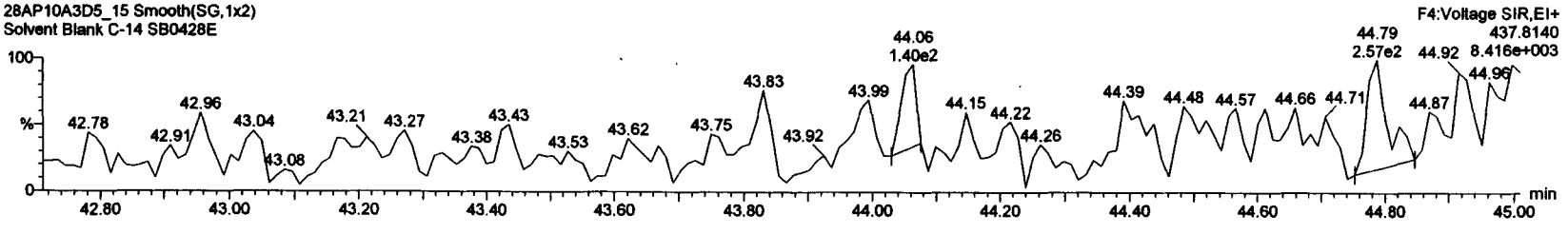

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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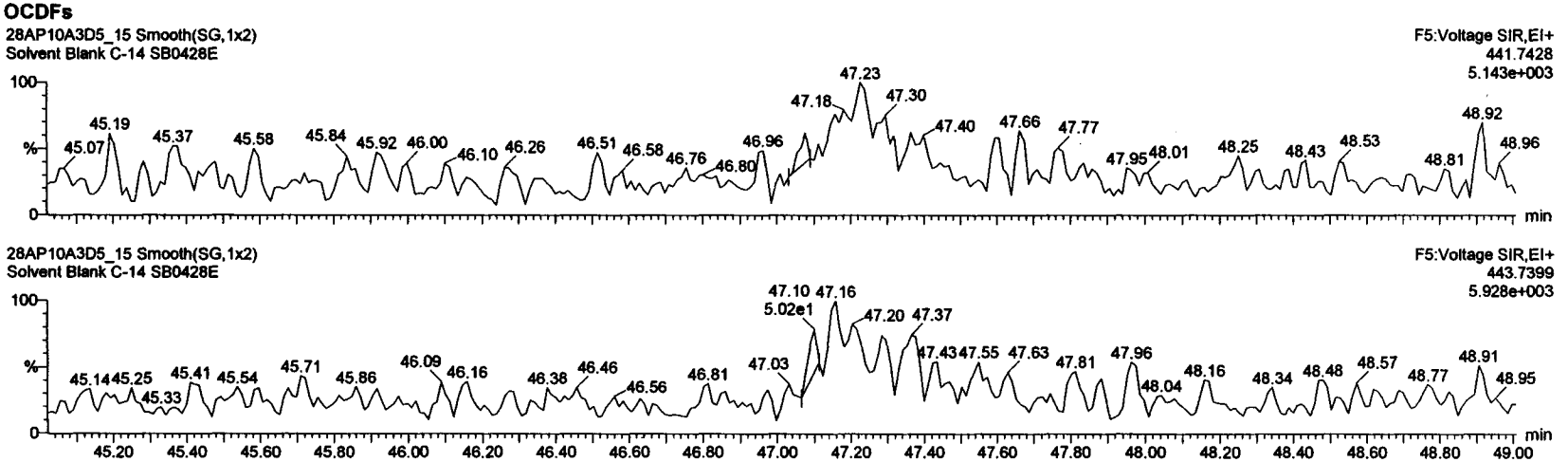
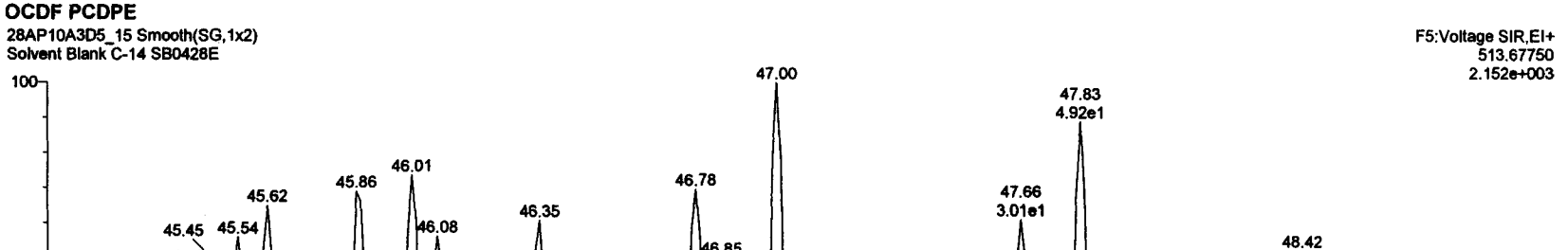
Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

OCDFs



OCDF PCDPE



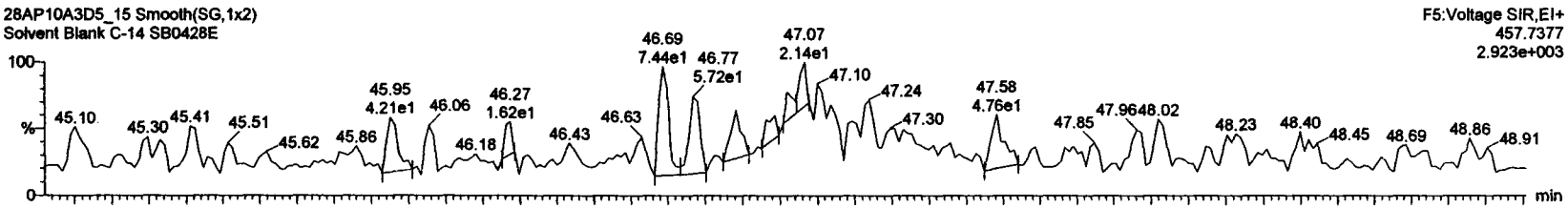
Quantify Sample Report **MassLynx 4.1**

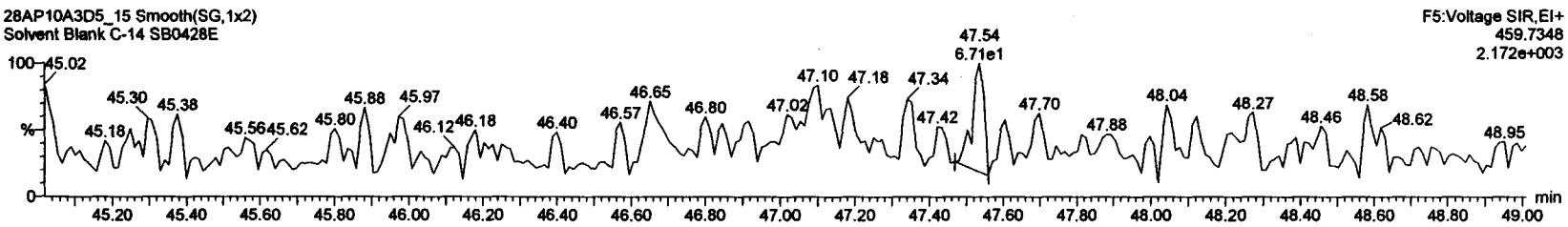
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

OCDD





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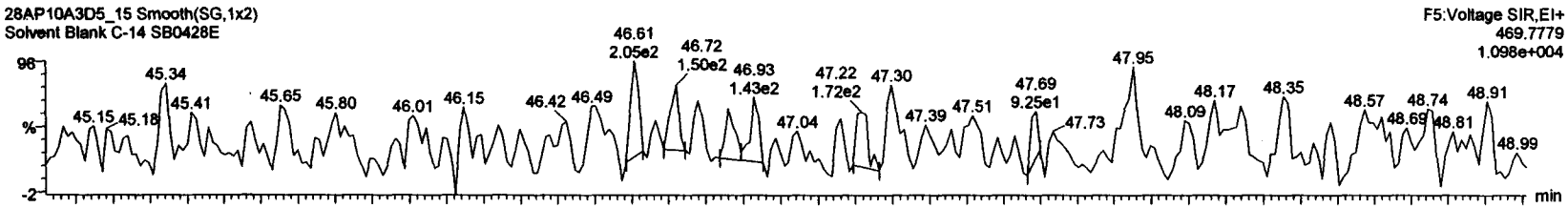

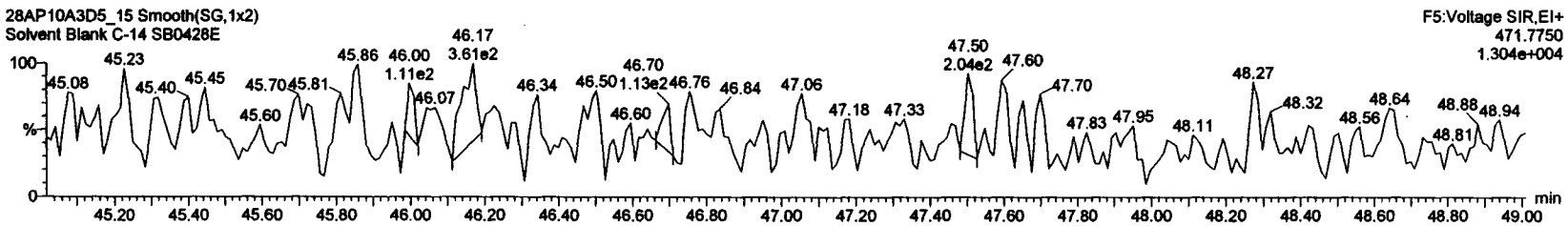

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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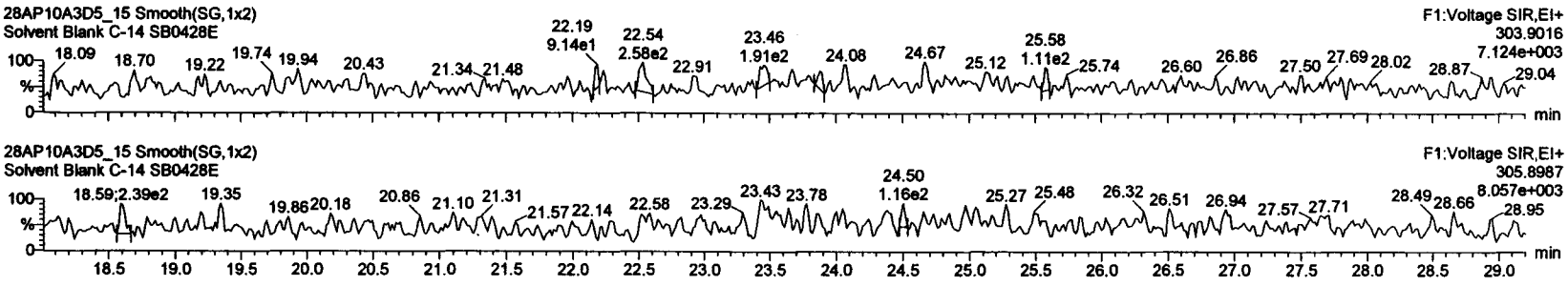
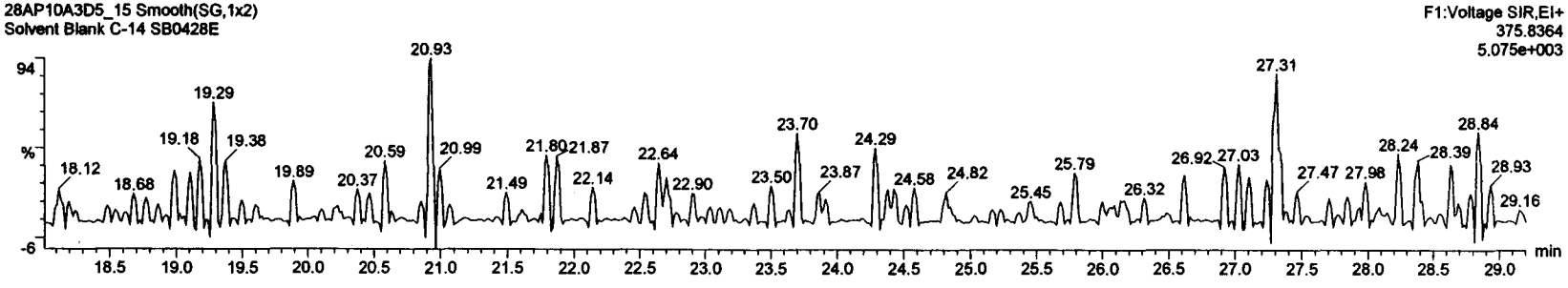
Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

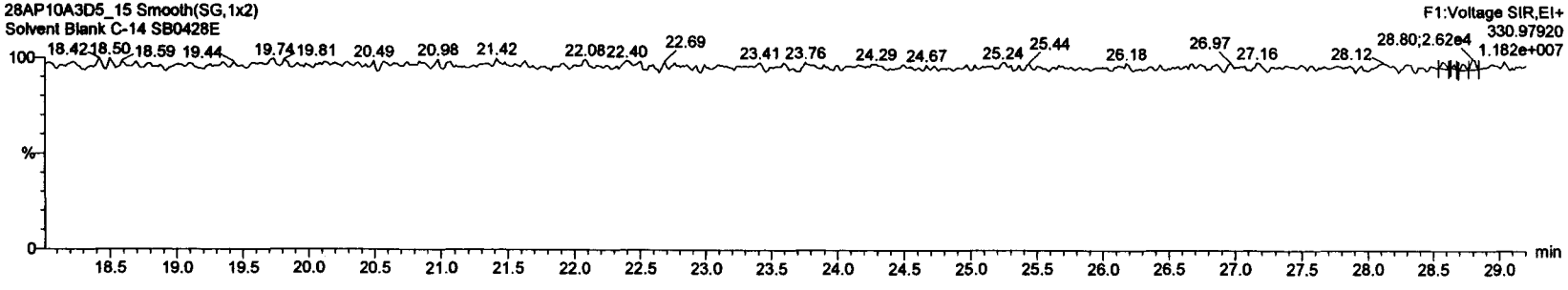
TCDFs



TCDF PCDPE



Function 1 PFK



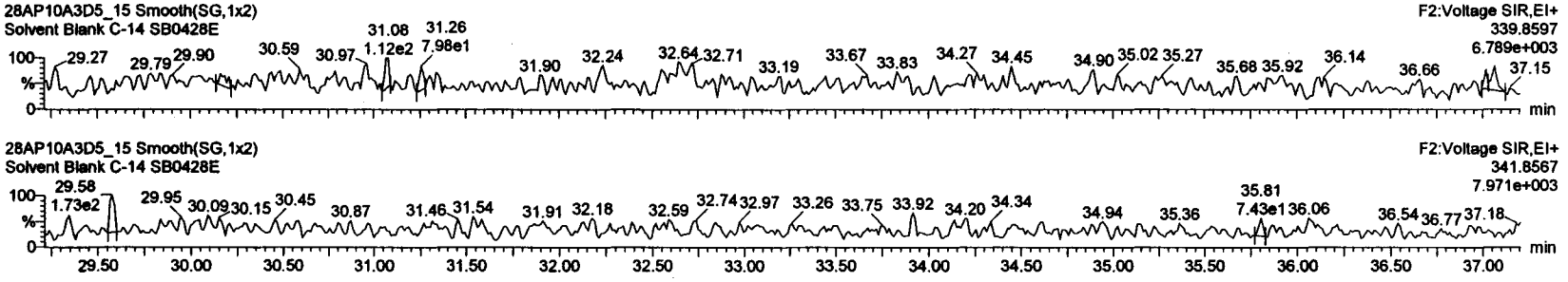
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

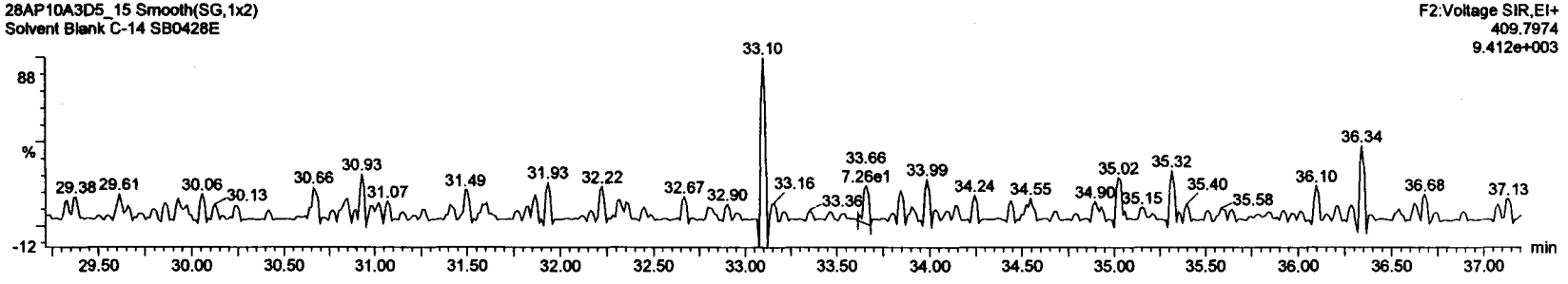
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

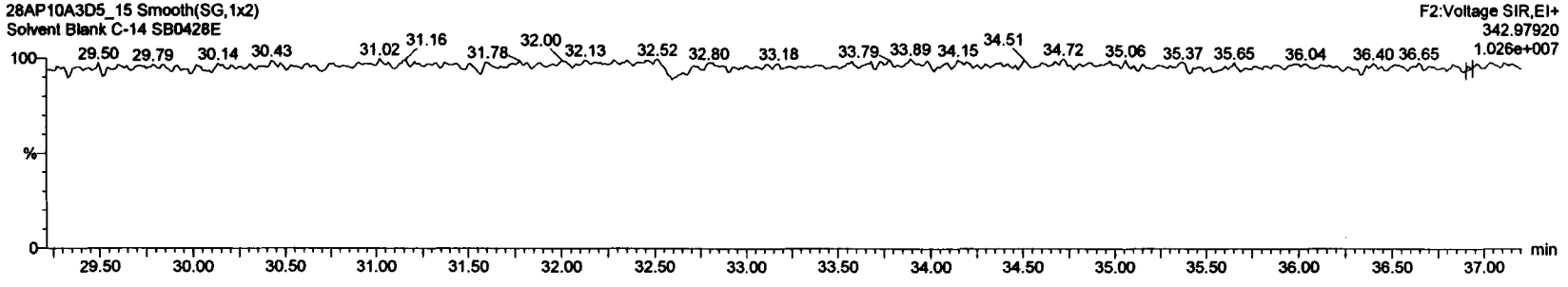
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



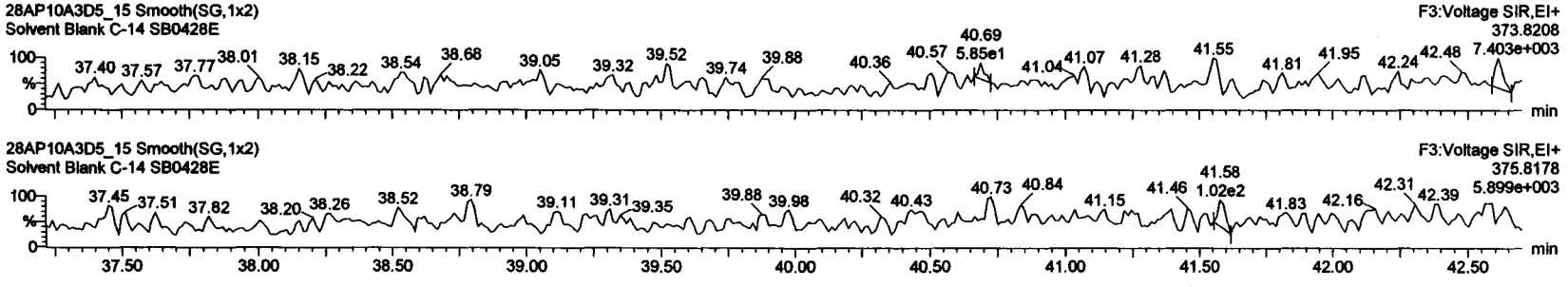
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

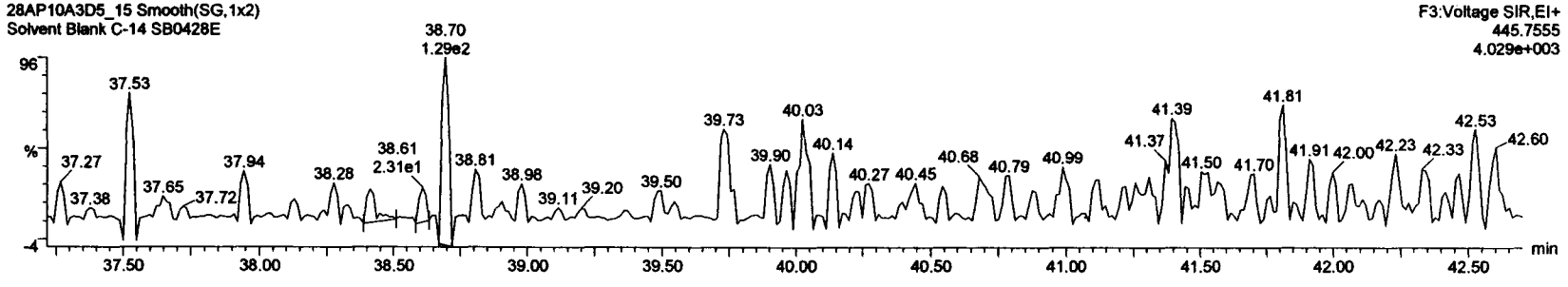
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

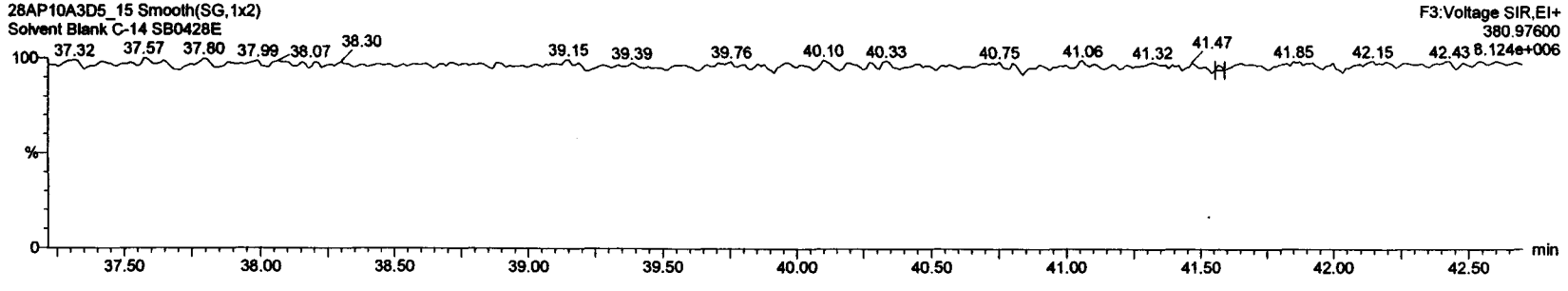
HxCDFs



HxCDF PCDPE



Function 3 PFK



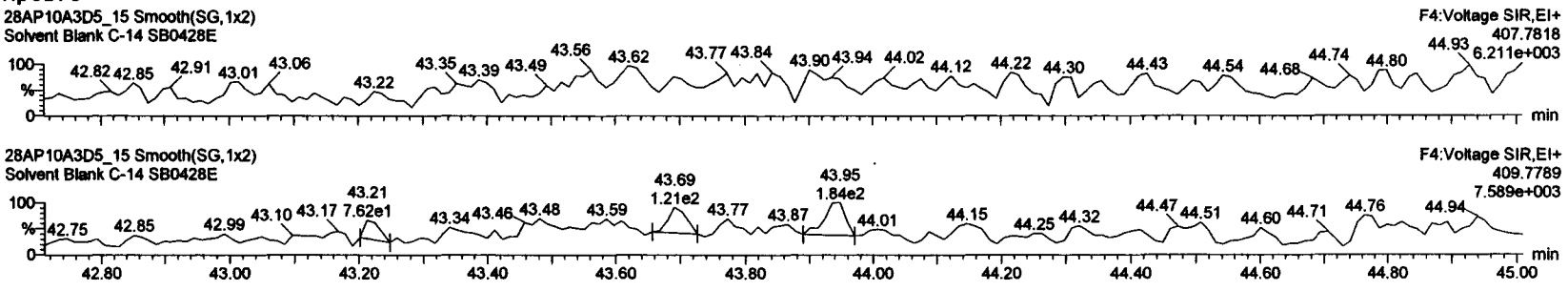
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

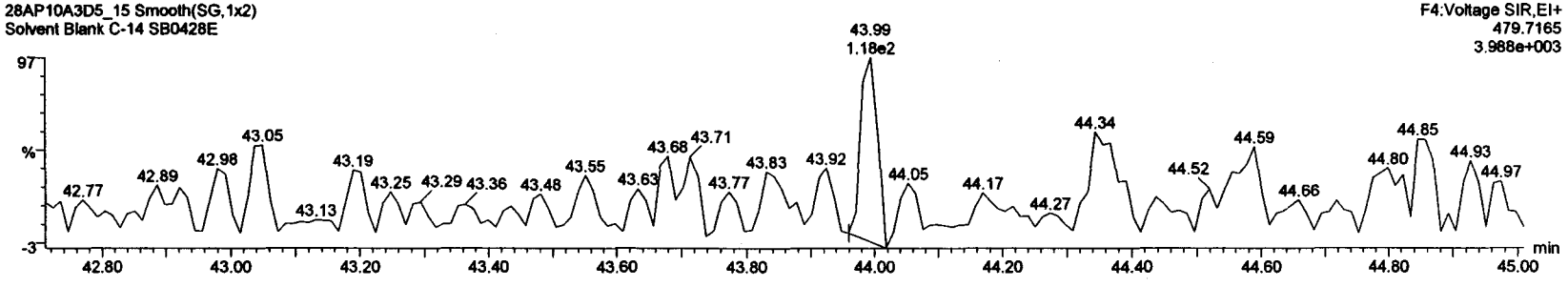
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

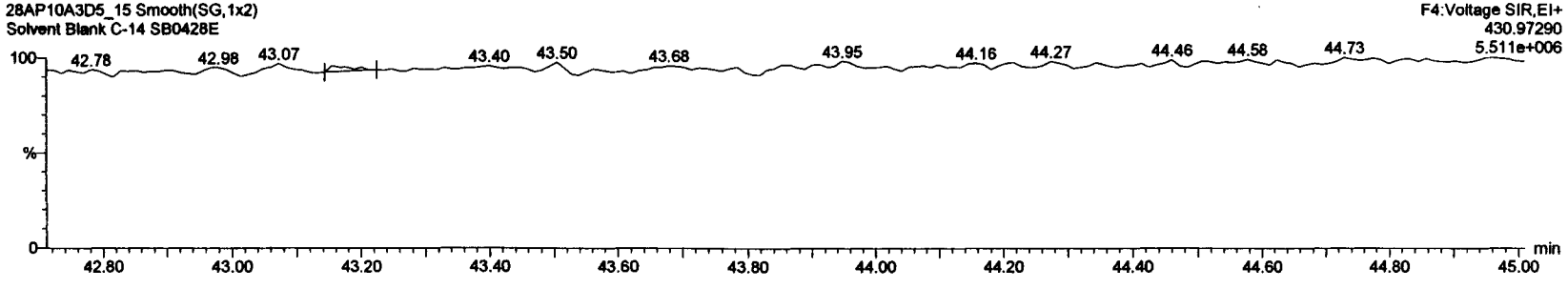
HpCDFs



HpCDF PCDPE



Function 4 PFK



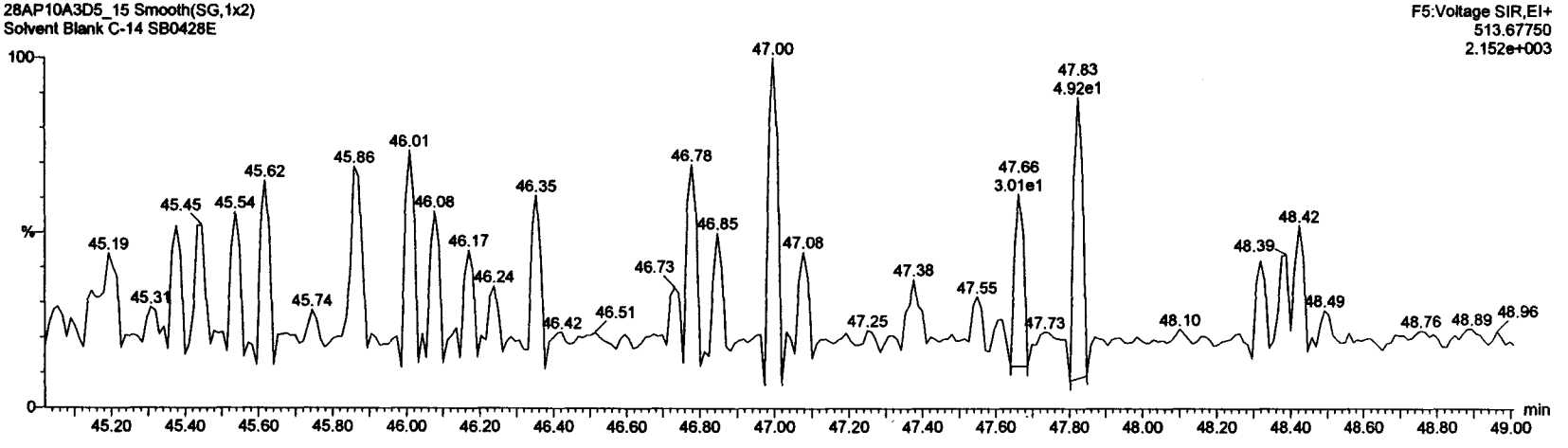
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

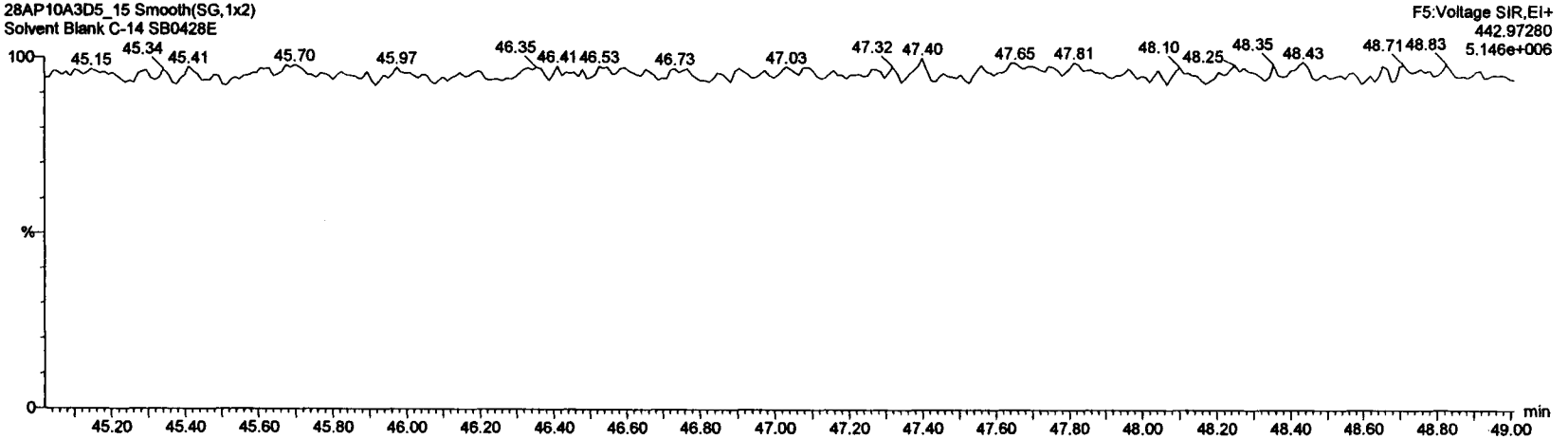
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_15, Date: 29-Apr-2010, Time: 12:00:39, ID: SB0428E, Description: Solvent Blank C-14

OCDF PCDPE



Function 5 PFK



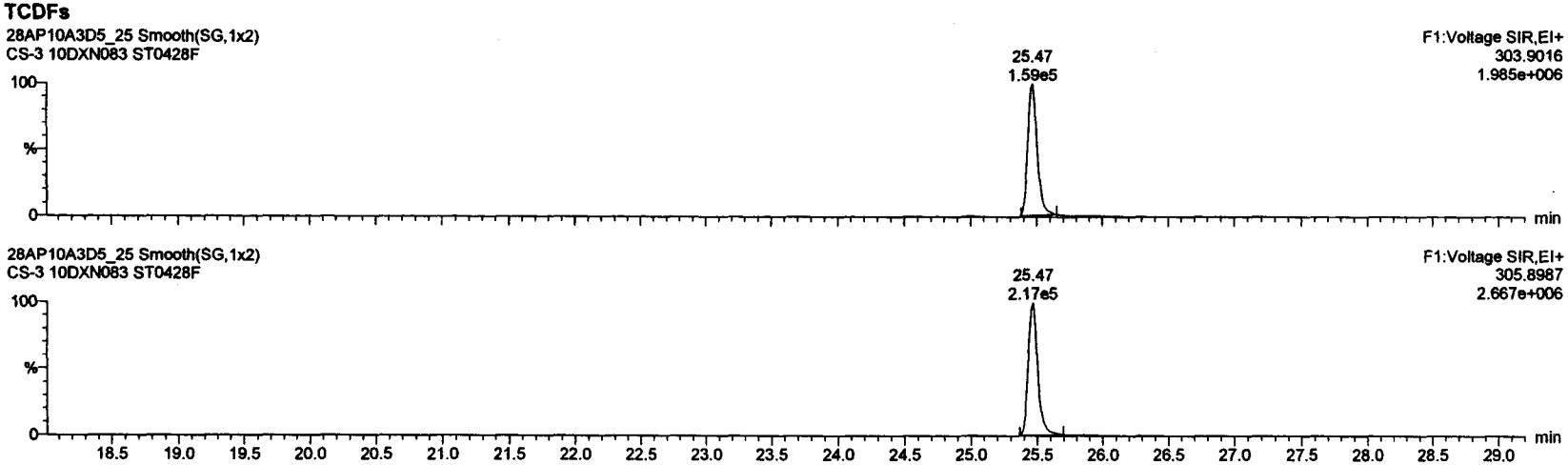
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

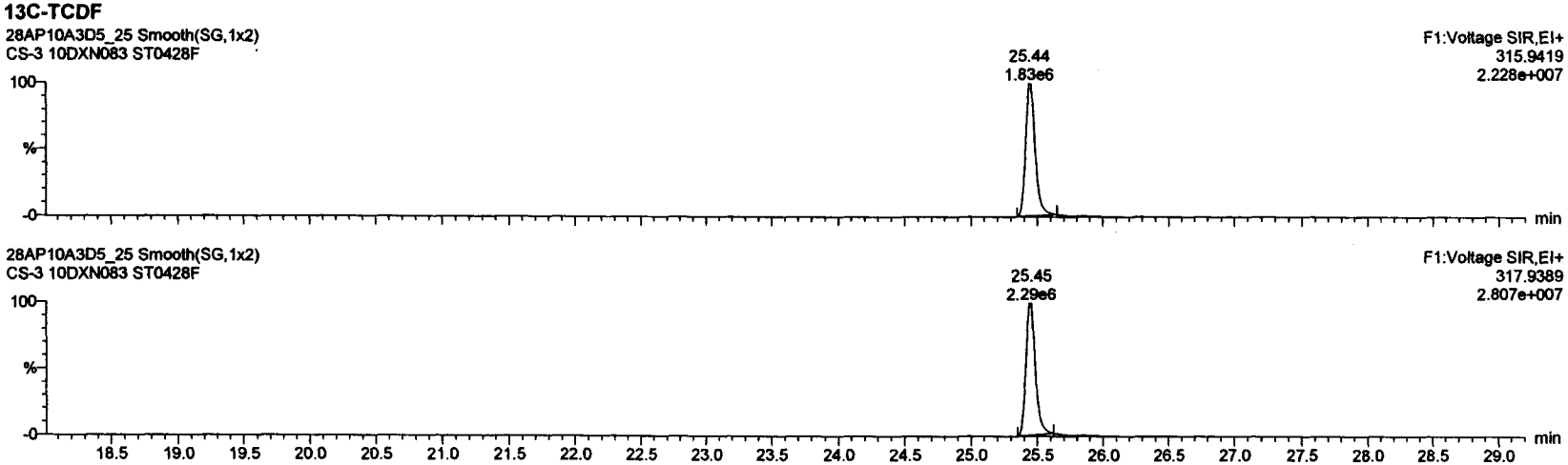
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

TCDFs



13C-TCDF



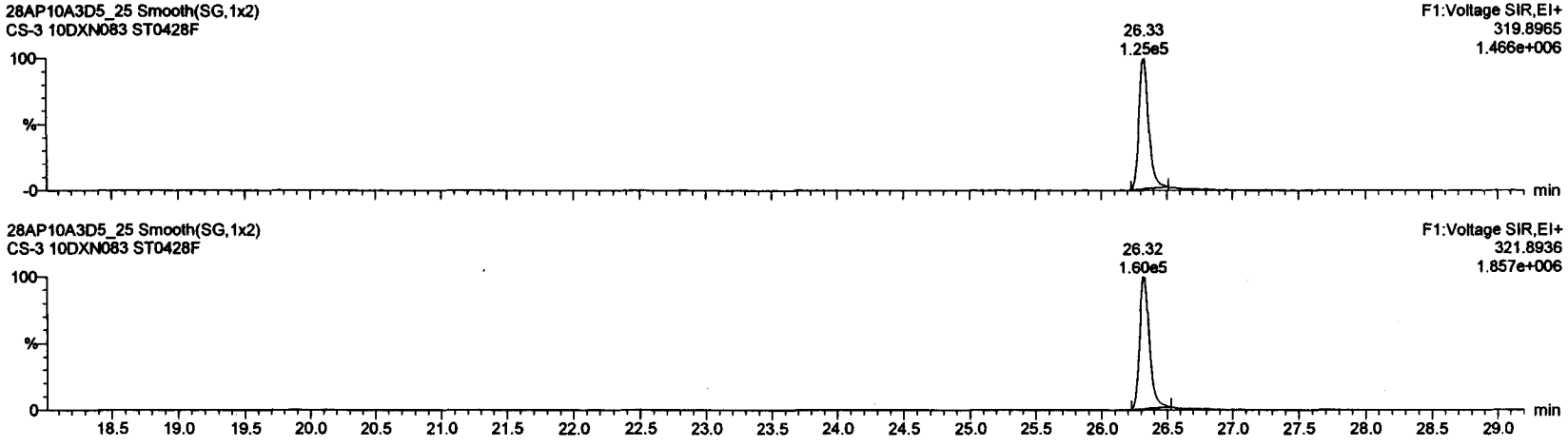
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

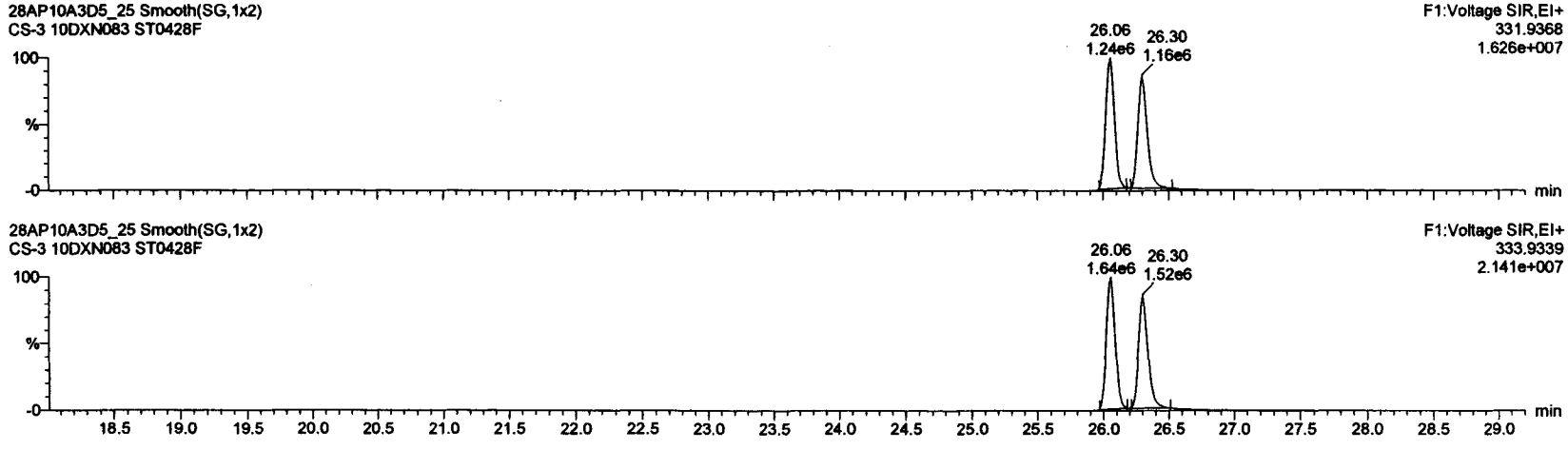
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

TCDDs



13C-TCDDs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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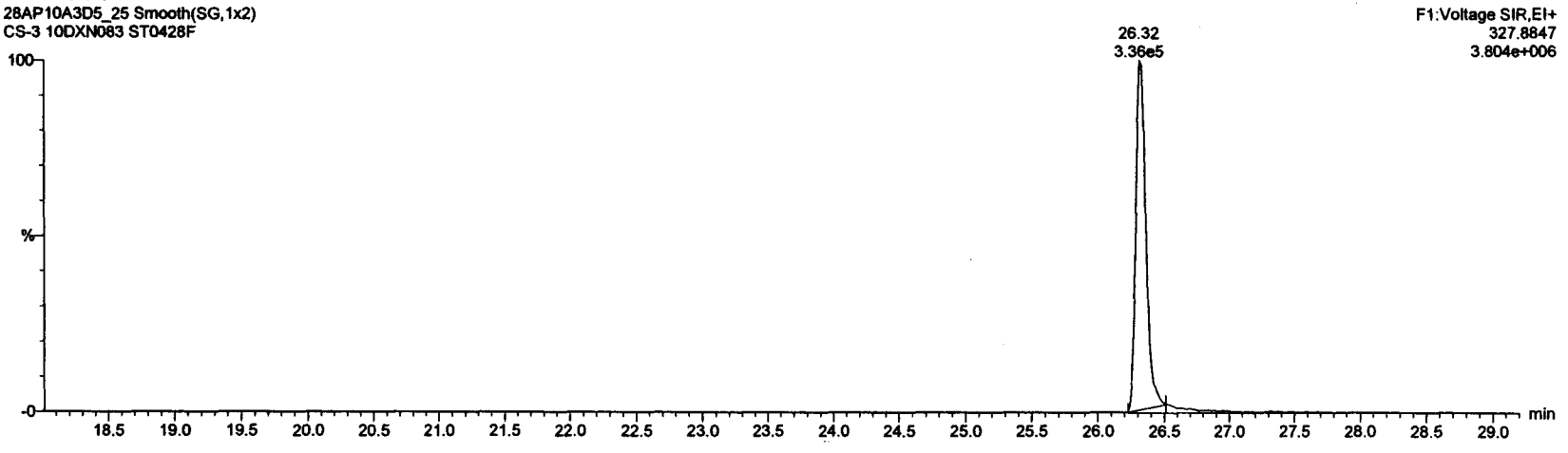
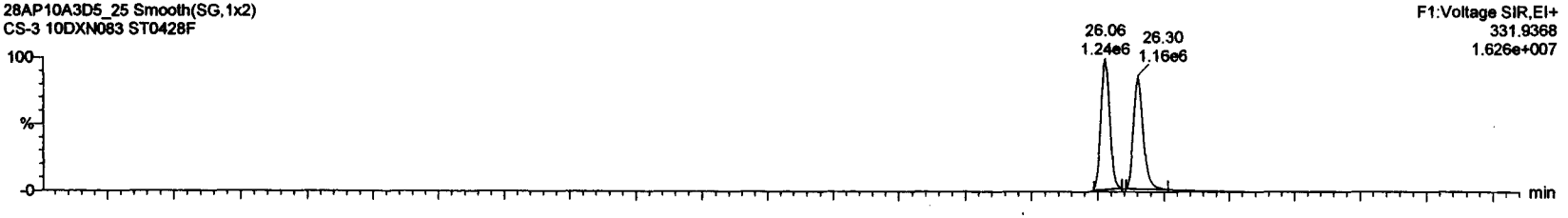
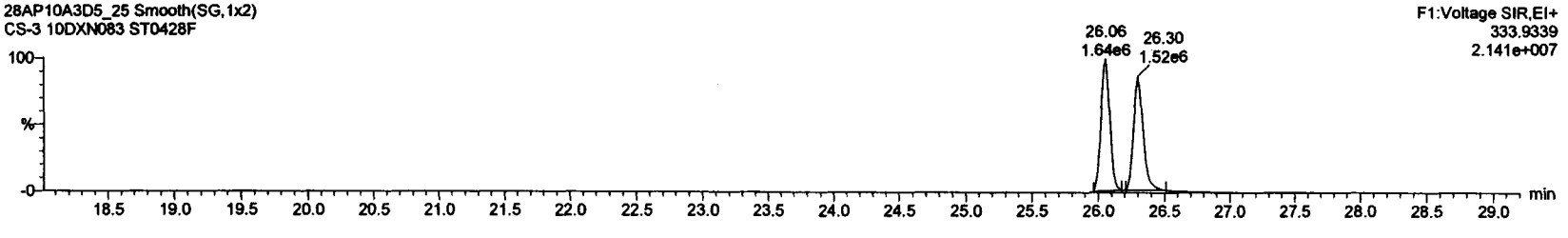
Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

37CL-2,3,7,8-TCDD



13C-TCDDs





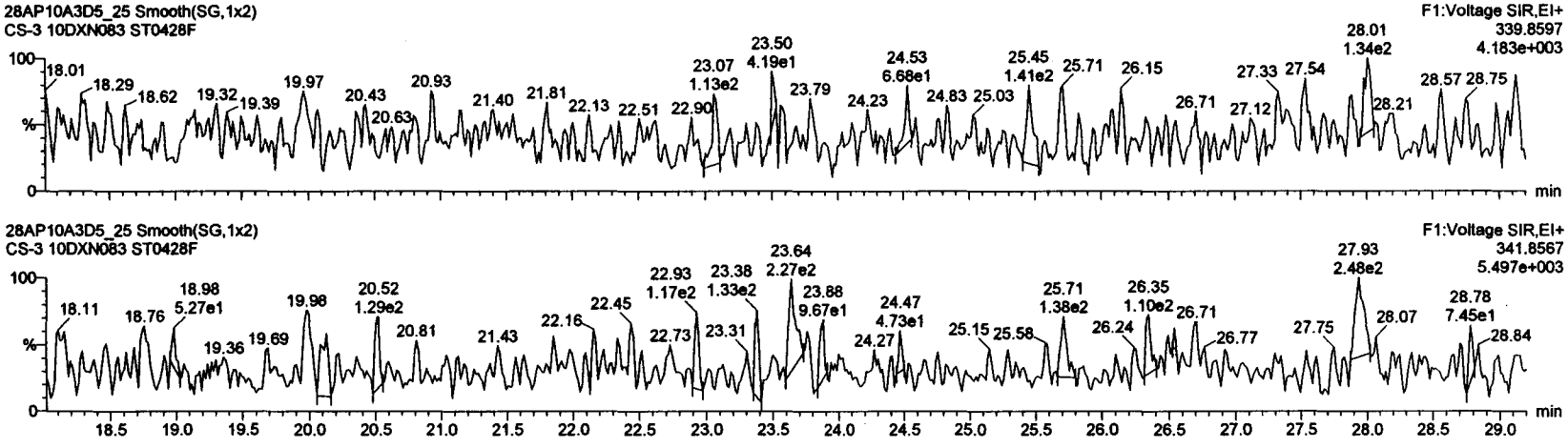
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

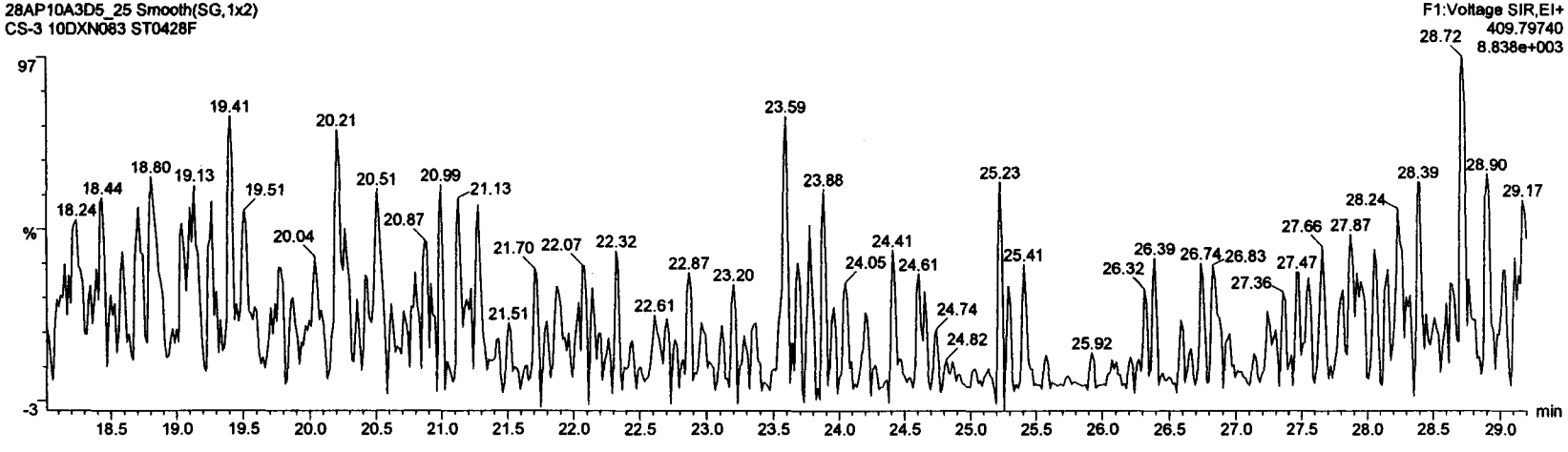
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

F1 PeCDFs



F1 PeCDF PCDPE



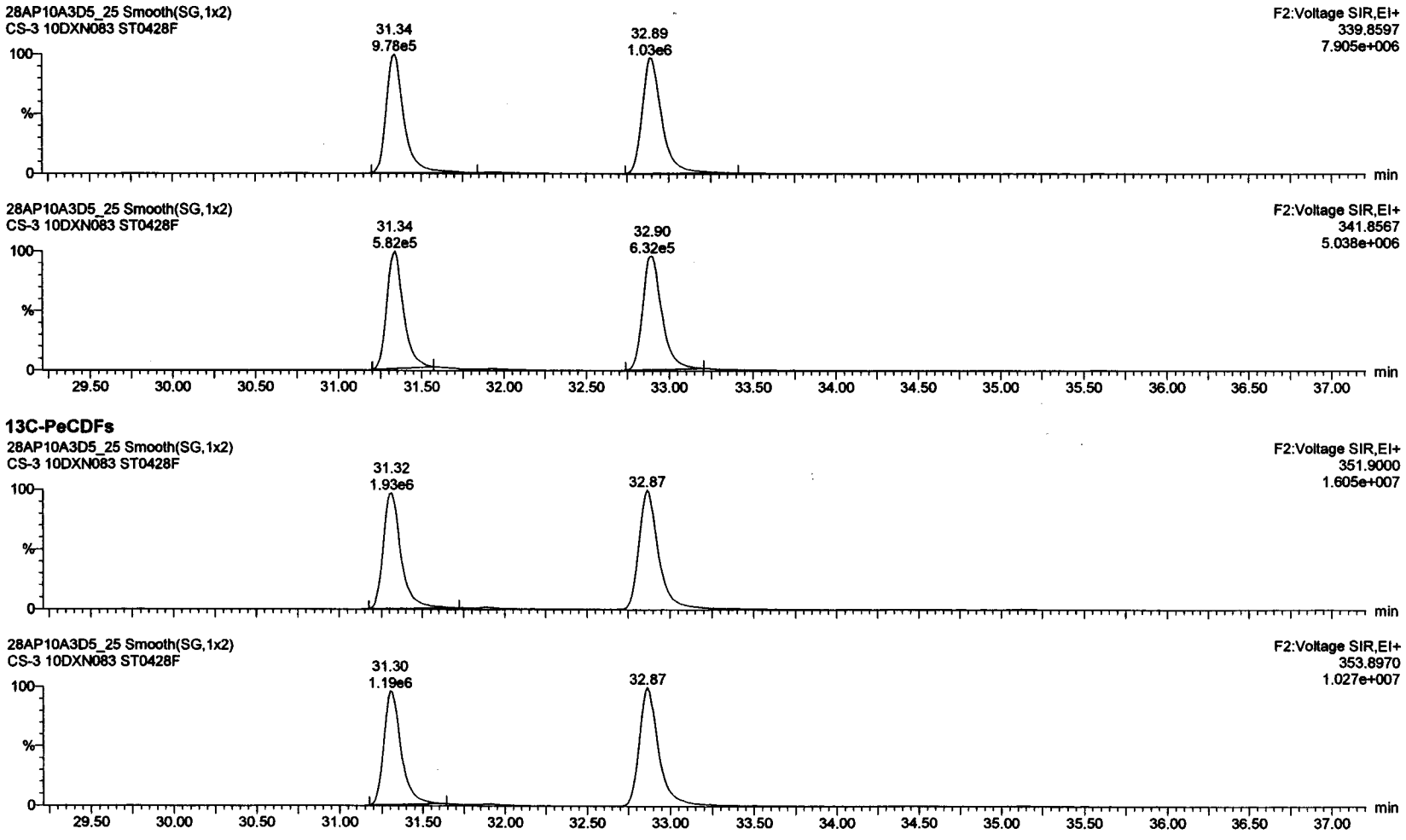
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

PeCDFs



13C-PeCDFs

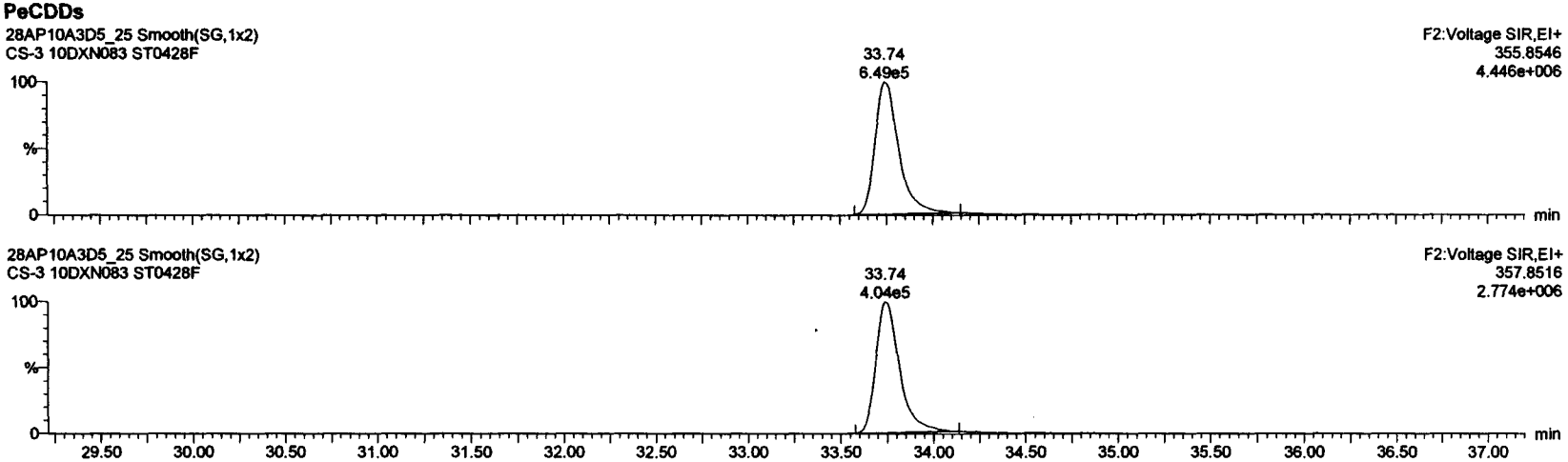
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

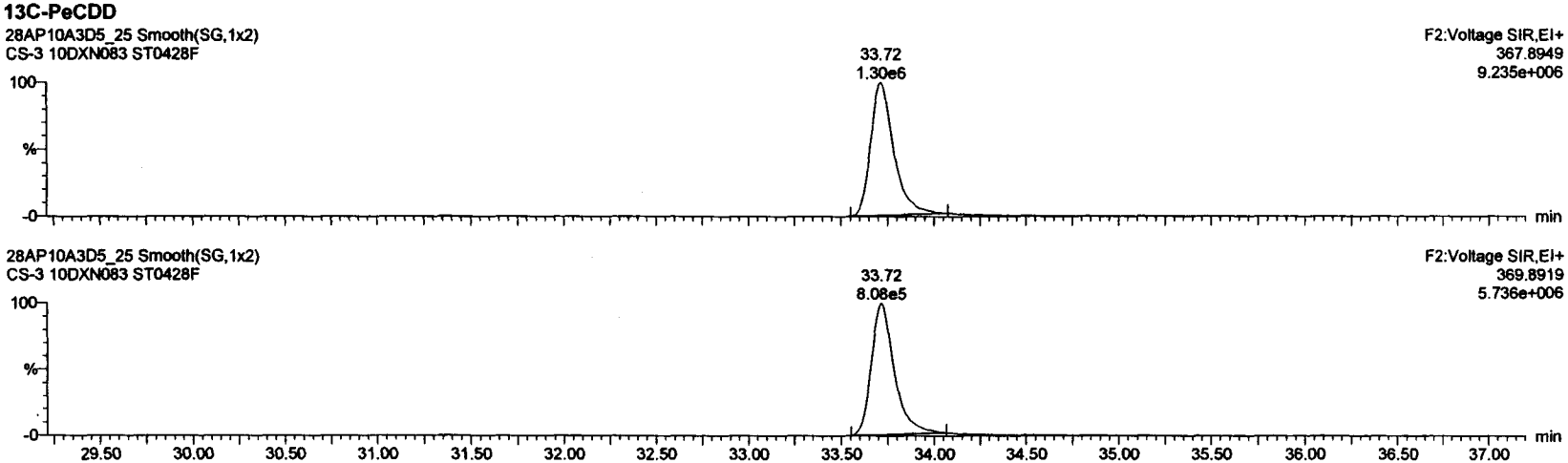
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

PeCDDs



13C-PeCDD



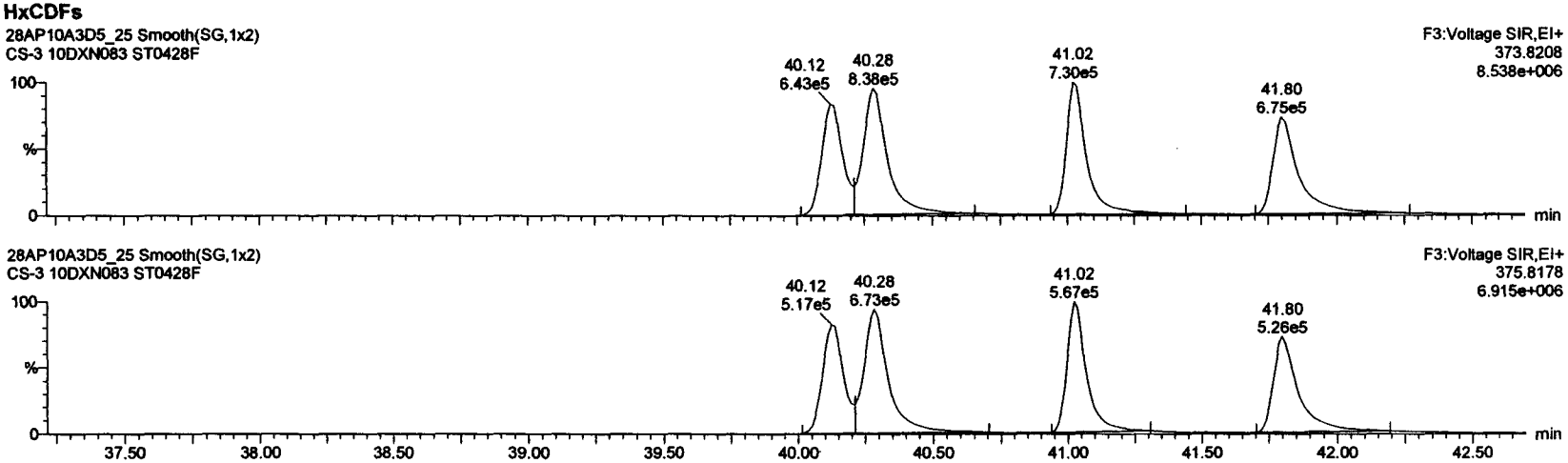
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

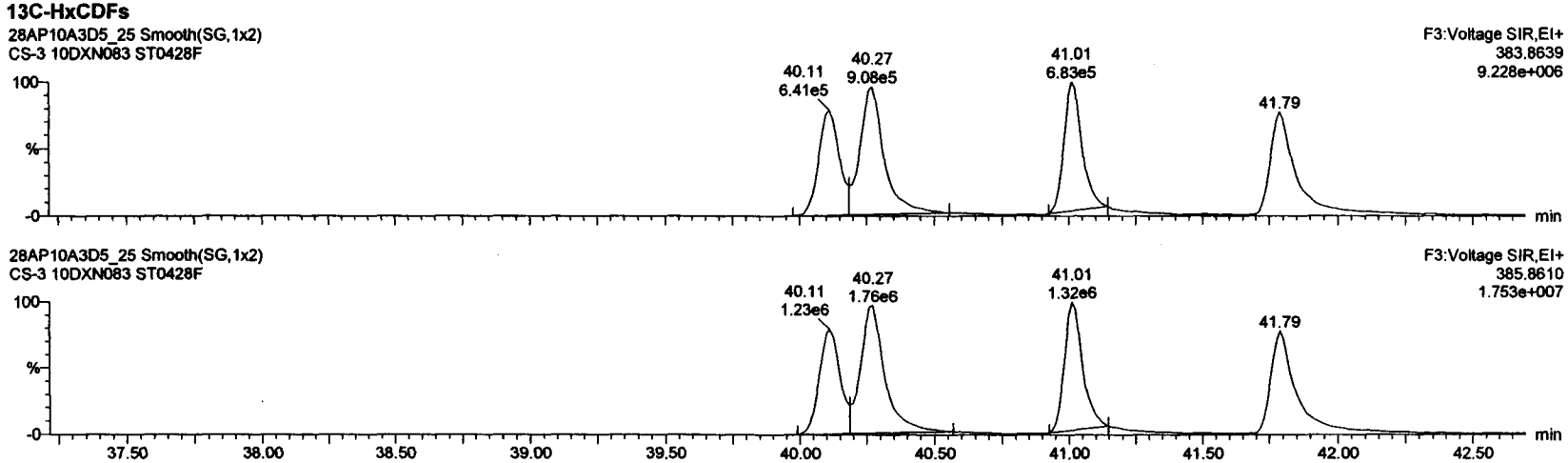
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

HxCDFs



13C-HxCDFs



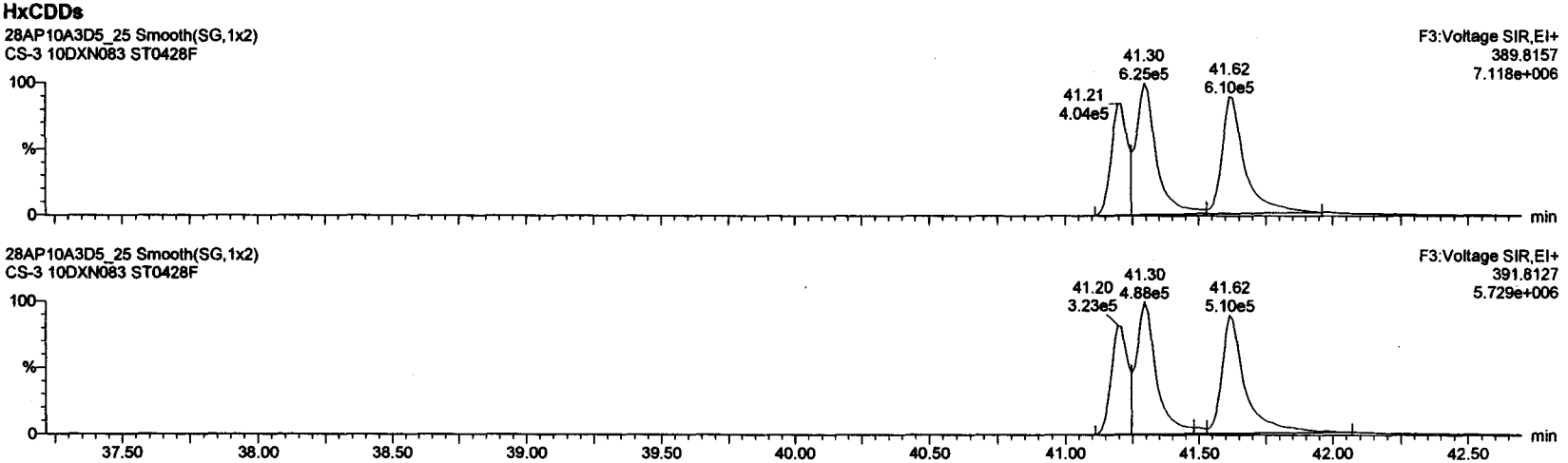
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

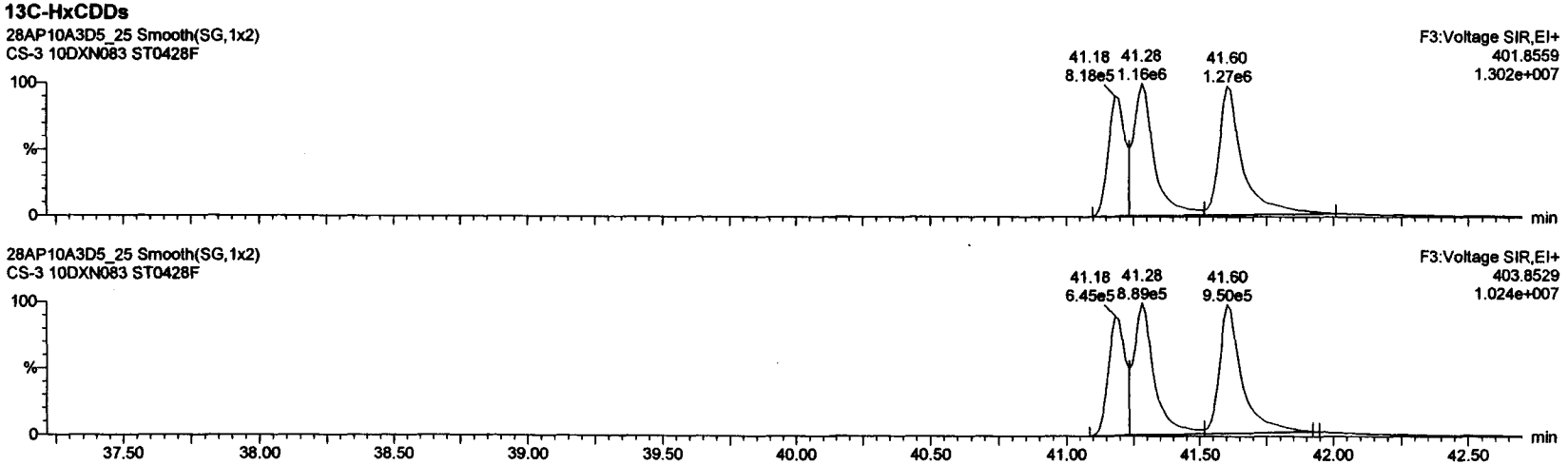
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

HxCDDs



13C-HxCDDs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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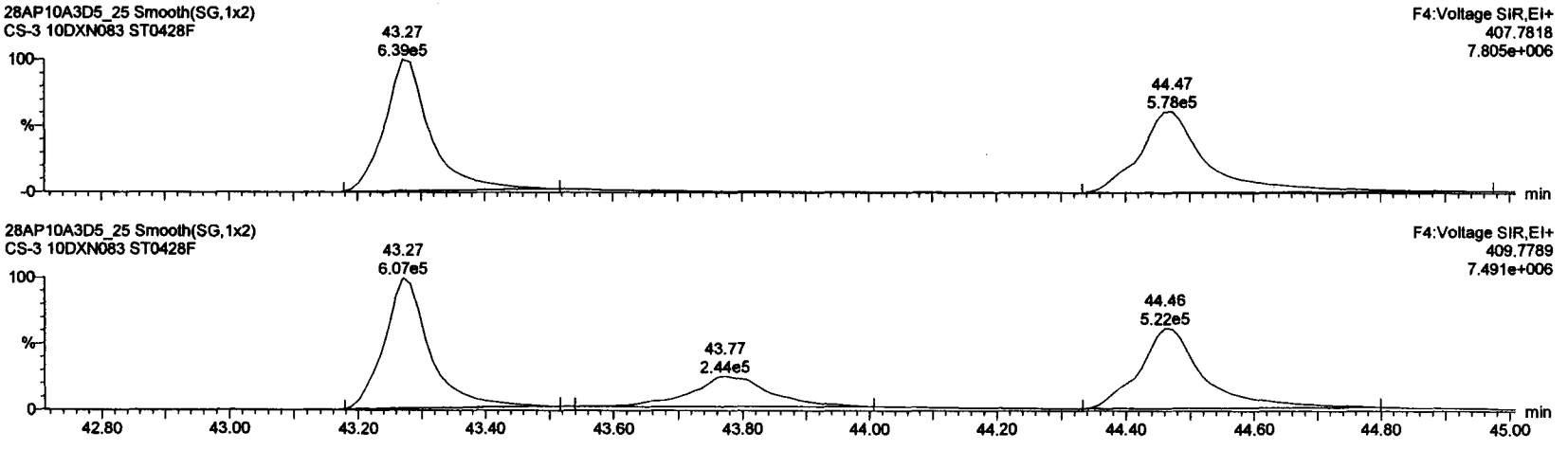
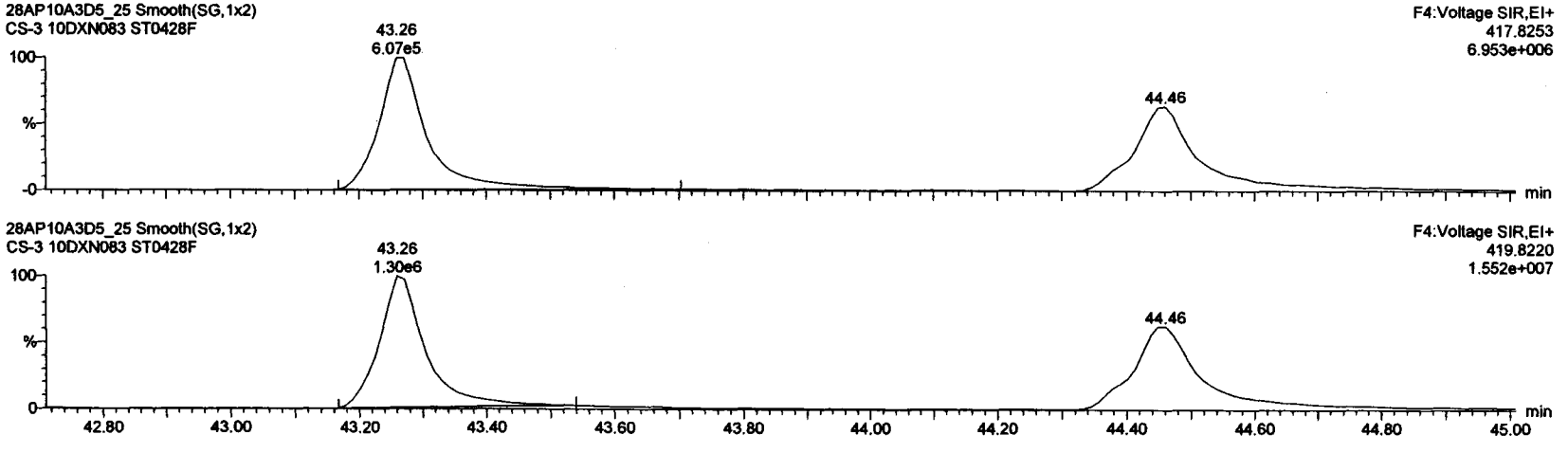
Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

HpCDFs



13C-HpCDFs



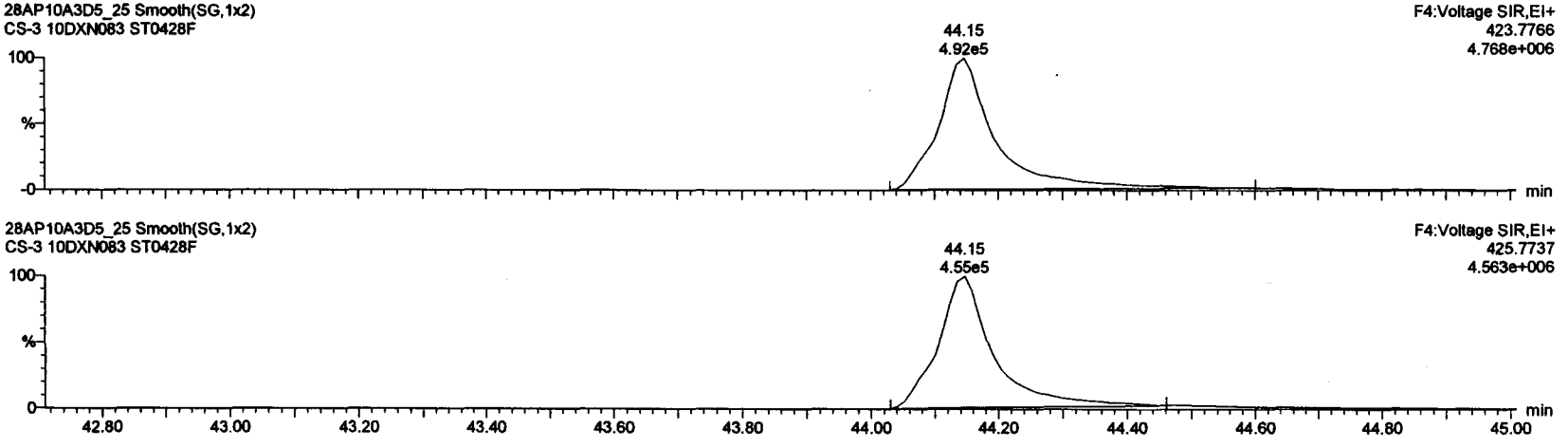
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

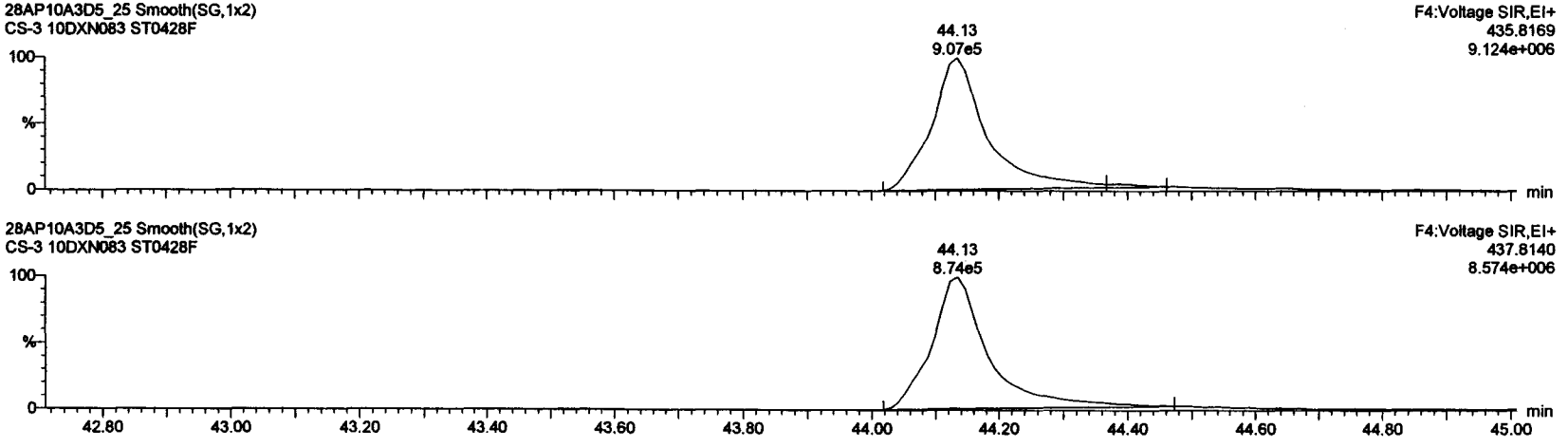
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

HpCDDs



13C-HpCDD



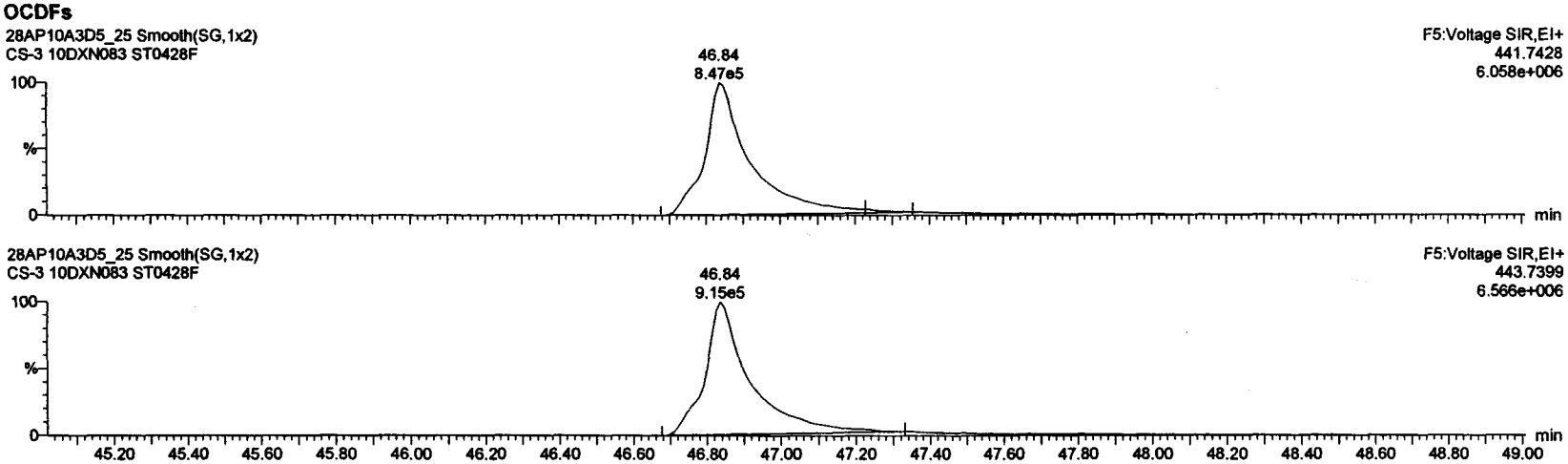
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

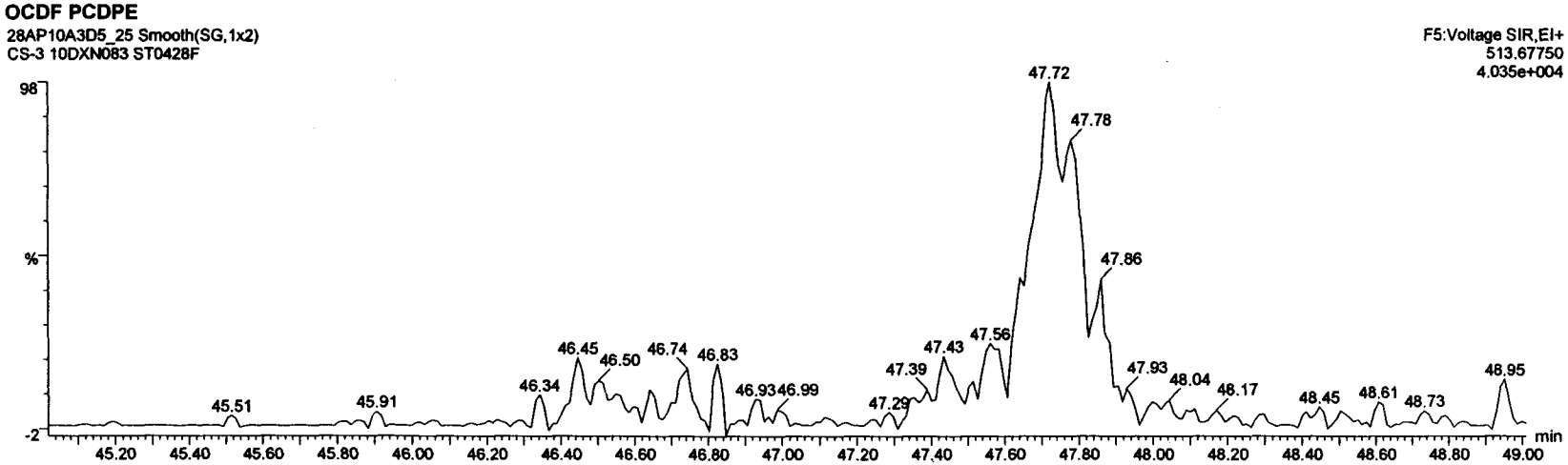
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

OCDFs



OCDF PCDPE



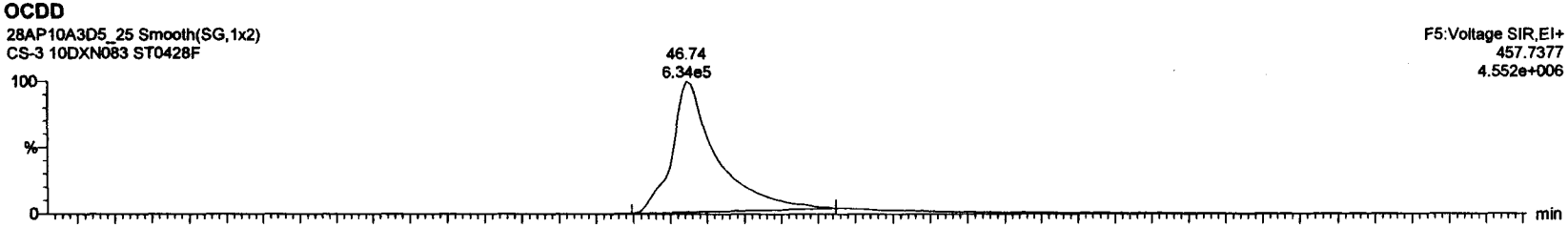
Quantify Sample Report **MassLynx 4.1**

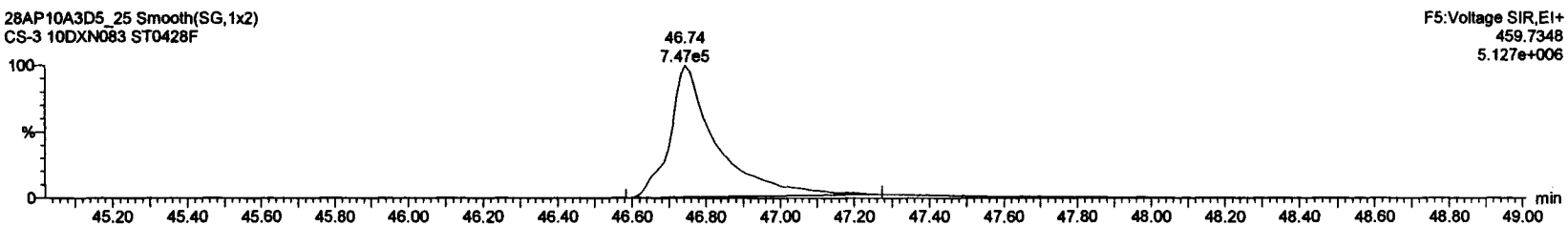
Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

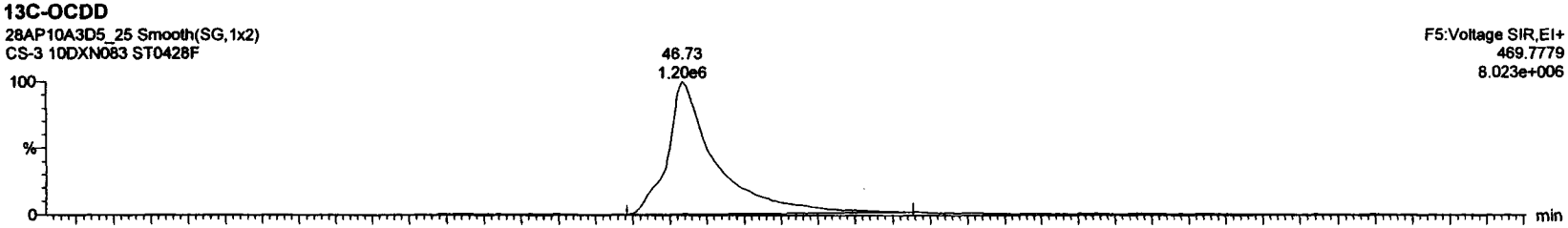
Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

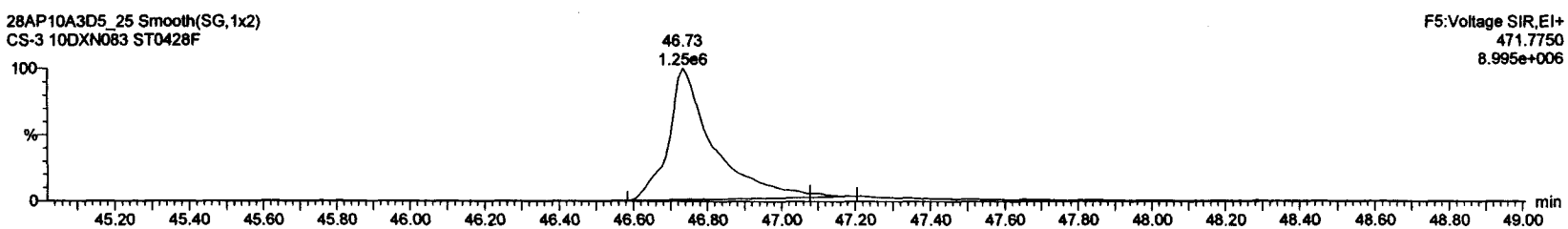
OCDD





13C-OCDD





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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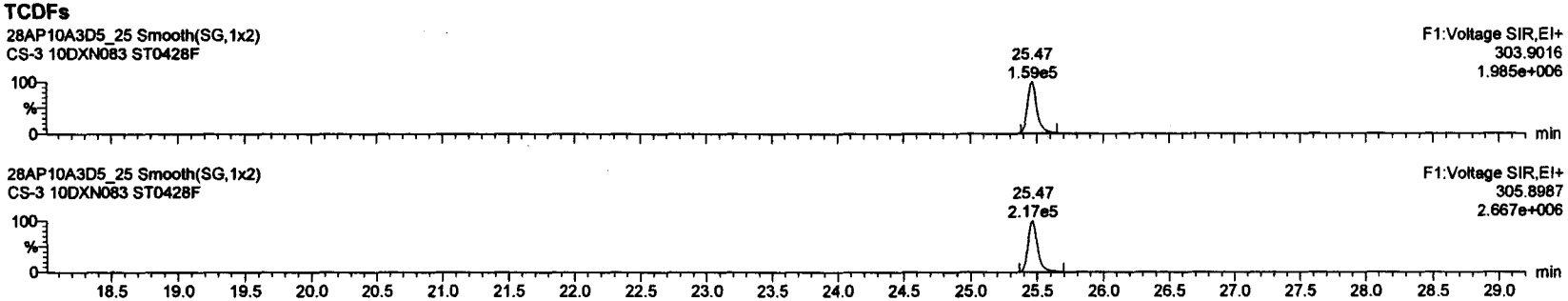
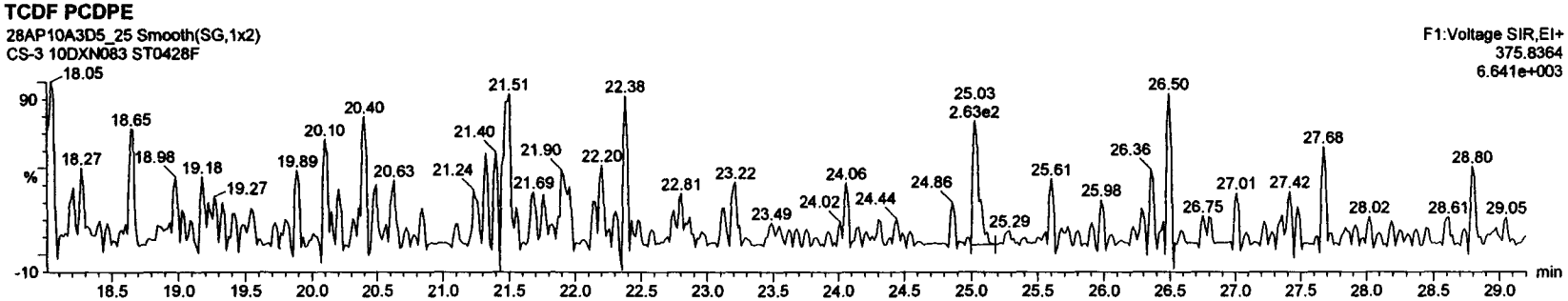
Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

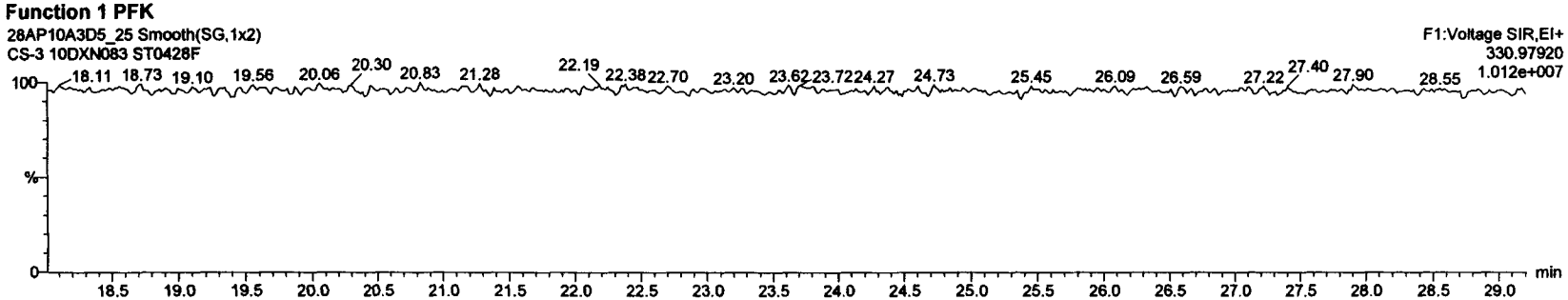
TCDFs



TCDF PCDPE



Function 1 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
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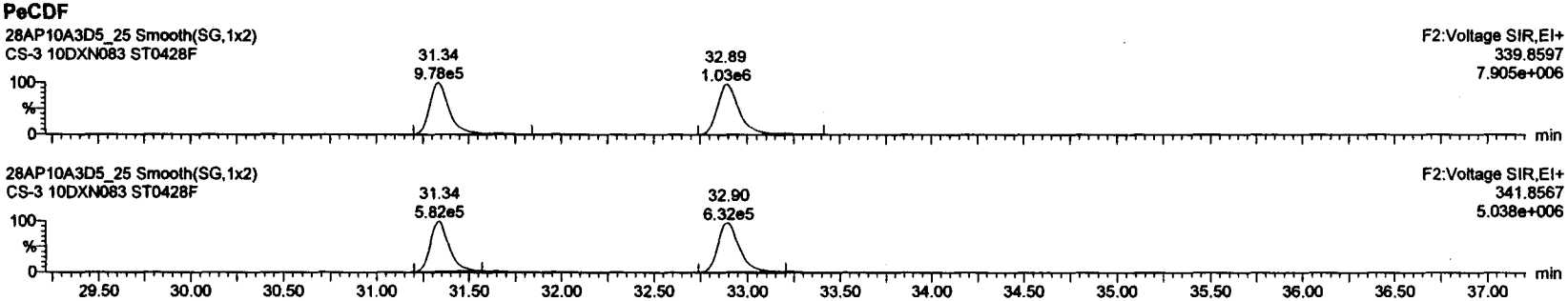
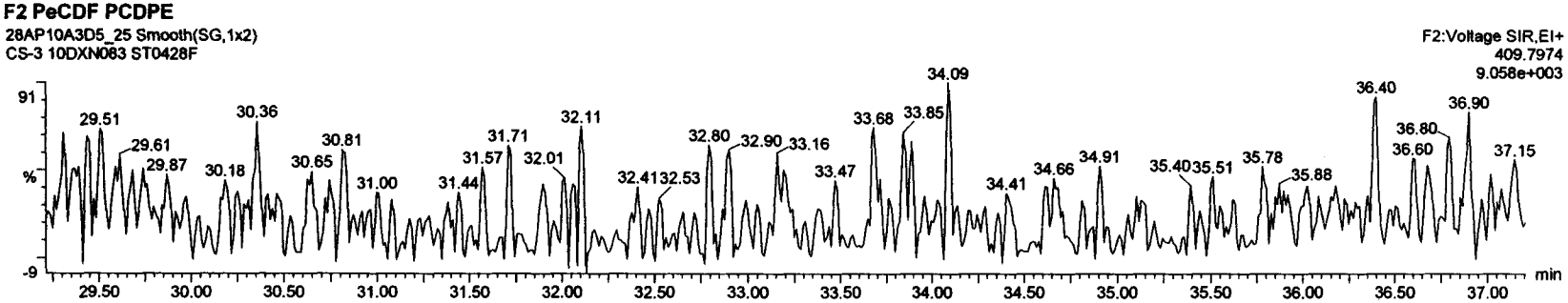
Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

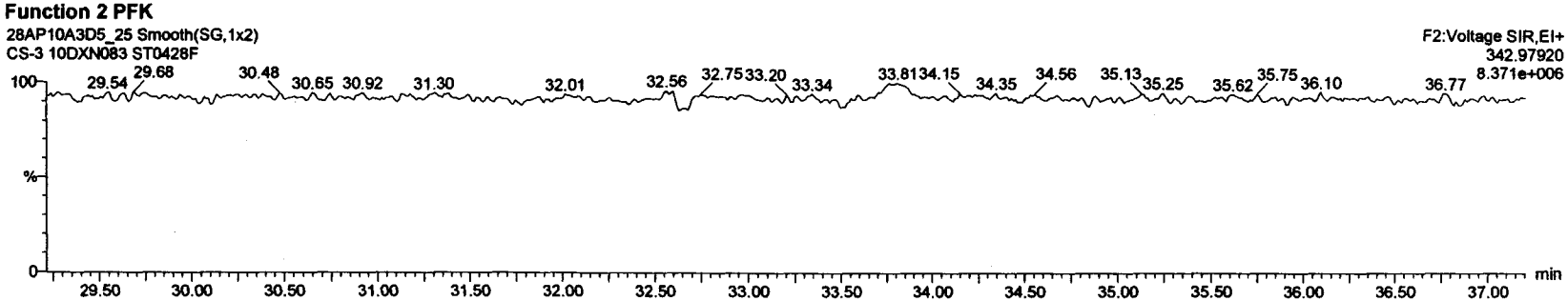
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



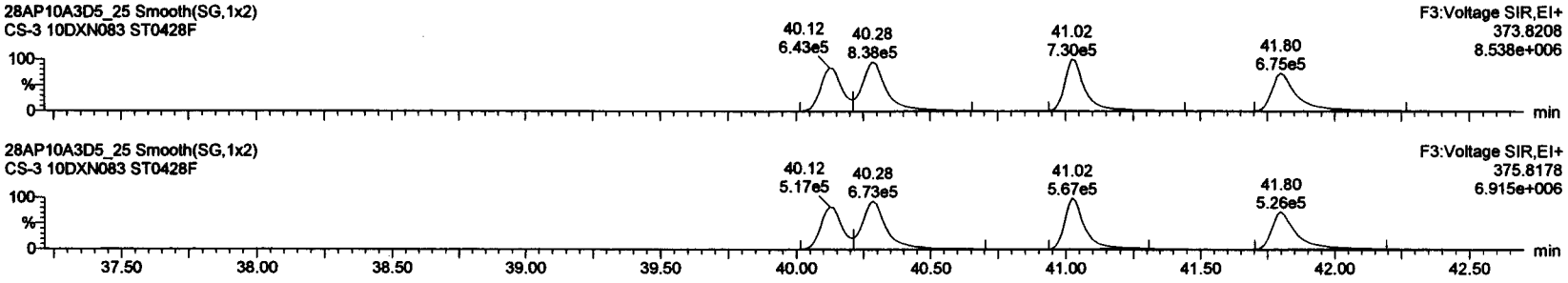
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

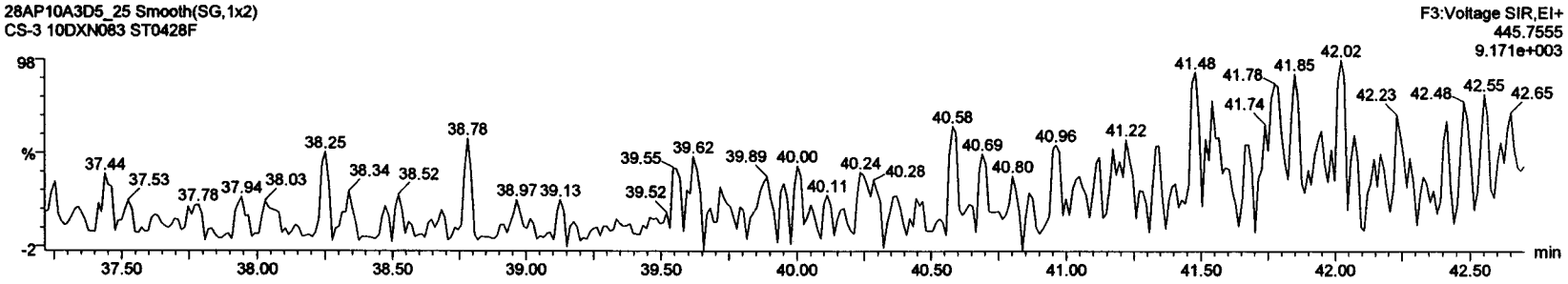
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

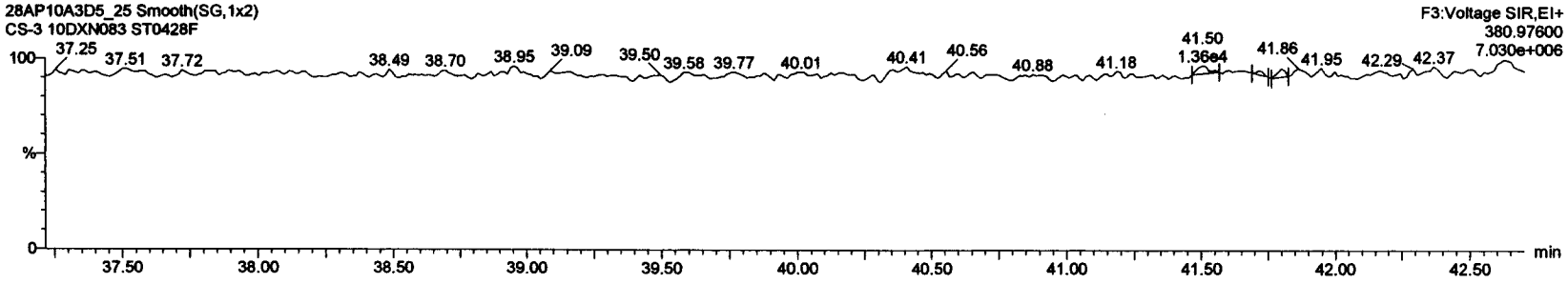
HxCDFs



HxCDF PCDPE



Function 3 PFK



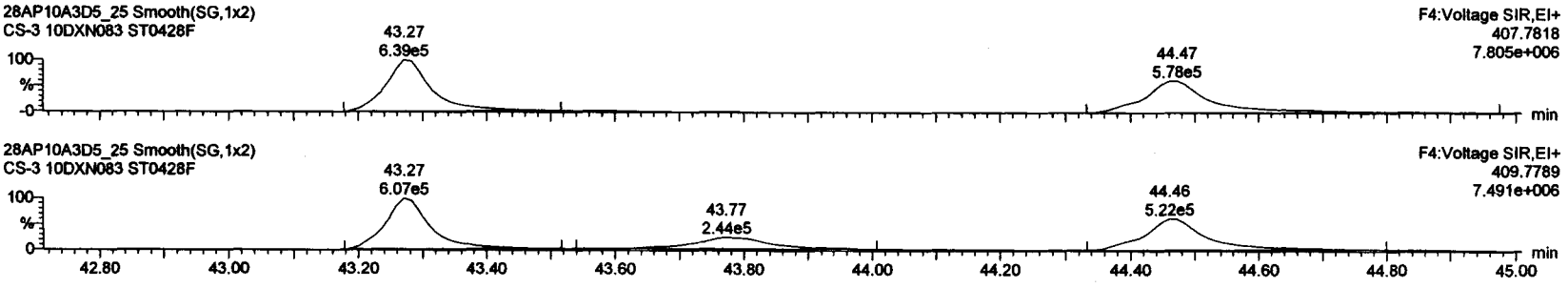
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

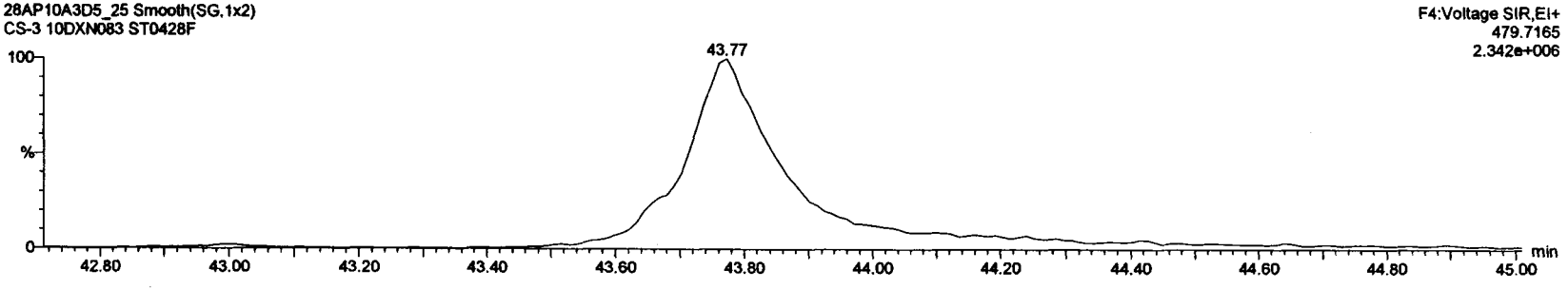
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

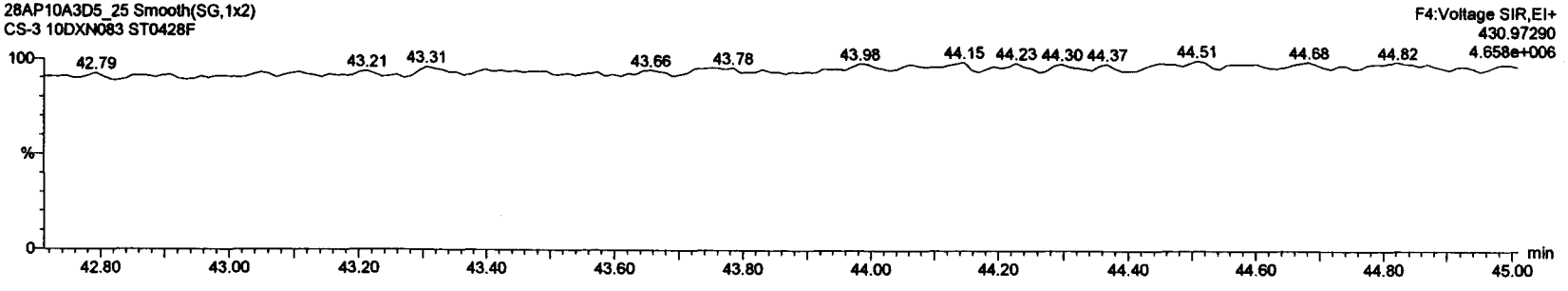
HpCDFs



HpCDF PCDPE



Function 4 PFK



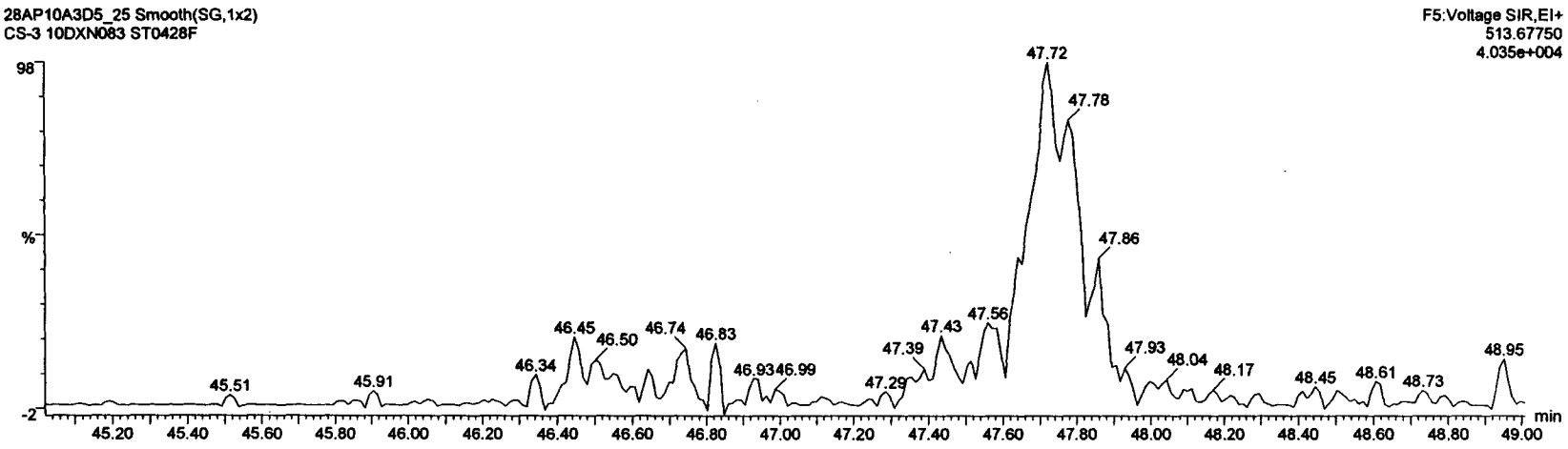
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\28AP10A3D58290E.qld

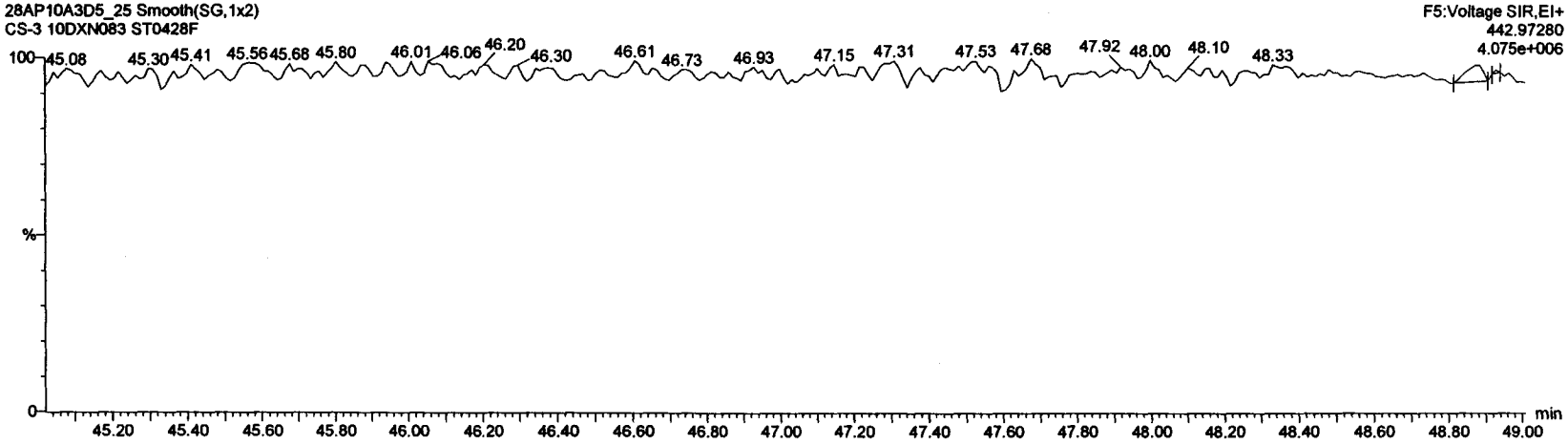
Last Altered: Friday, April 30, 2010 08:44:23 Pacific Daylight Time
Printed: Friday, April 30, 2010 08:49:29 Pacific Daylight Time

Name: 28AP10A3D5_25, Date: 29-Apr-2010, Time: 23:06:46, ID: ST0428F, Description: CS-3 10DXN083

OCDF PCDPE



Function 5 PFK



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 (DB225, DB225 A&R) 042110502

Method ID 8290, 1613B, TO9, 23, 0023A

Date Scanned _____

Column ID DB225

Instrument ID 502

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

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: DB2250421105D2
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

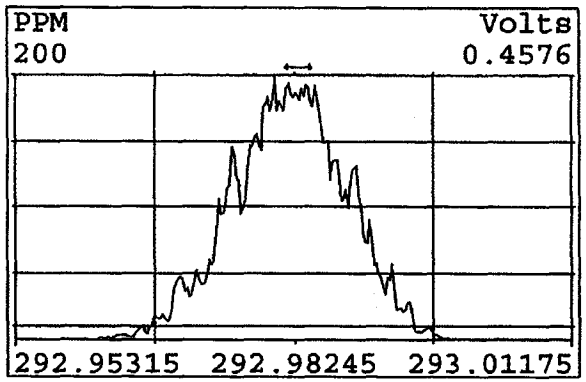
Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 08:14:00
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:
Sample text: ST0421J :CS5 09DXN456

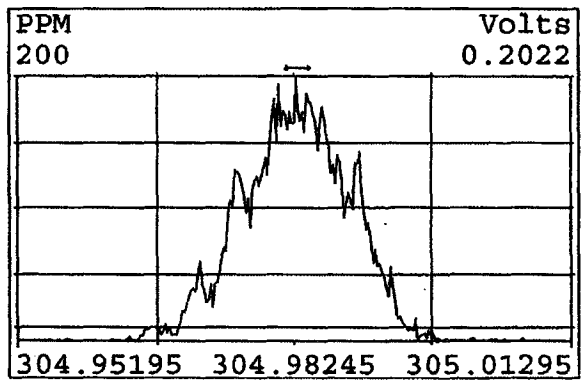
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75	y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84	y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81	y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78	y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84	y	14:46	1.310	200.00	n
37Cl-2,3,7,8-TCDD	456866000	1.00	y	14:46	2.369	200.00	n

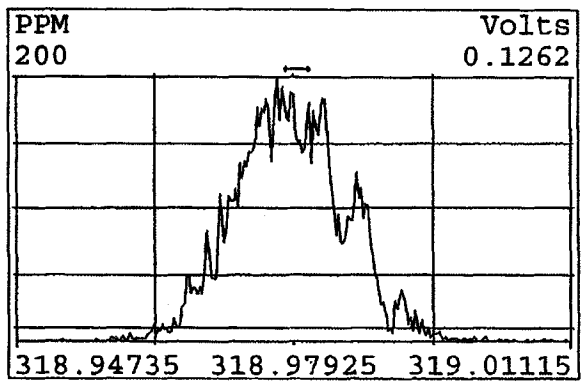
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21AP105D2	1	ST0421	CS3 10DXN111				1.000	
21AP105D2	2	CP0421	DB-225 CPSM 3732-06				1.000	
21AP105D2	3	SB0421	Solvent Blank C-14				1.000	
21AP105D2	4	LXTRR-1-AC	A0D120411-1	20	8290/SOLID	70	10.060	g
21AP105D2	5	SB0421A	Solvent Blank C-14				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	

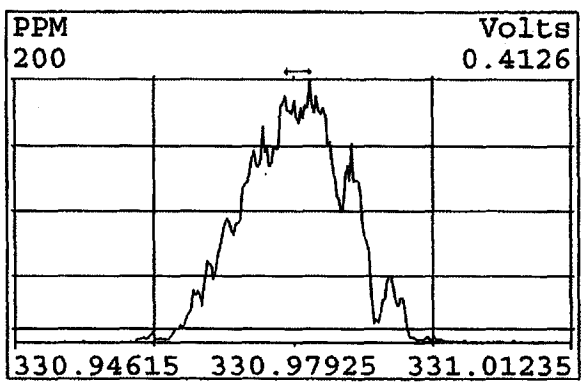
log file checked
4-22-10
SMA

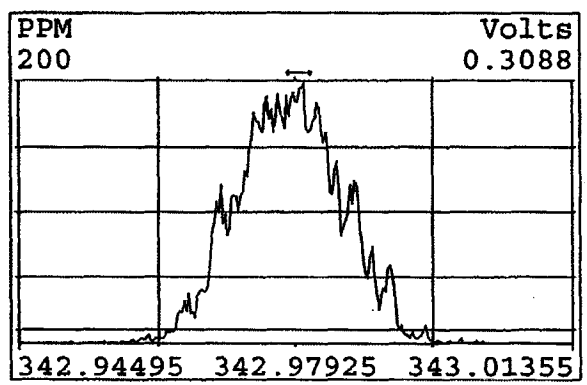
Peak Locate Examination:21-APR-2010:10:08 File:21AP105D2
Experiment:DIOXIN Function:1 Reference:PFK

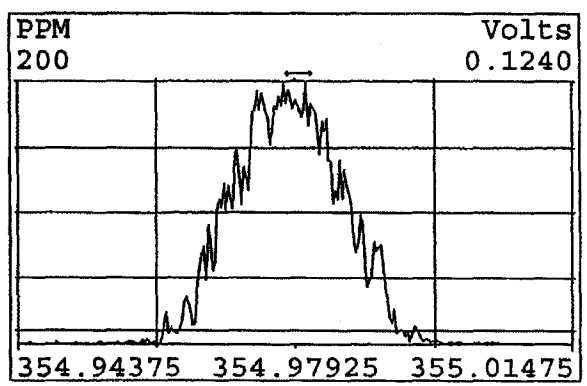


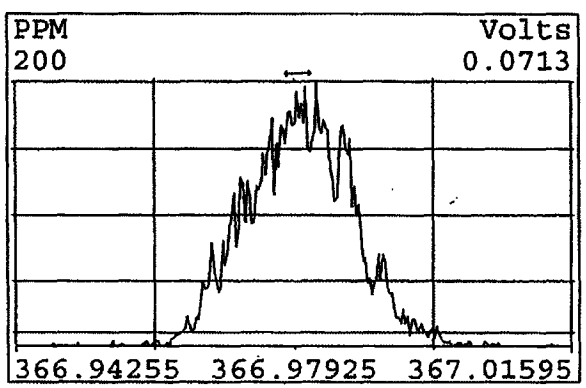


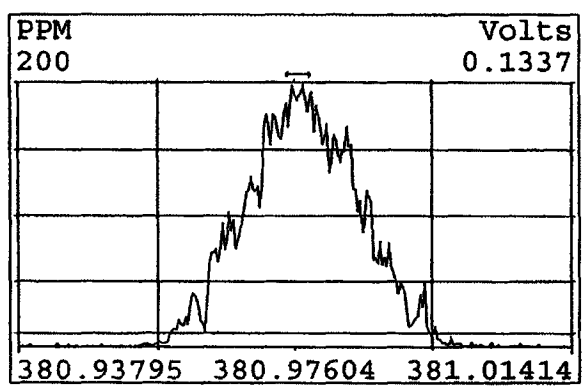




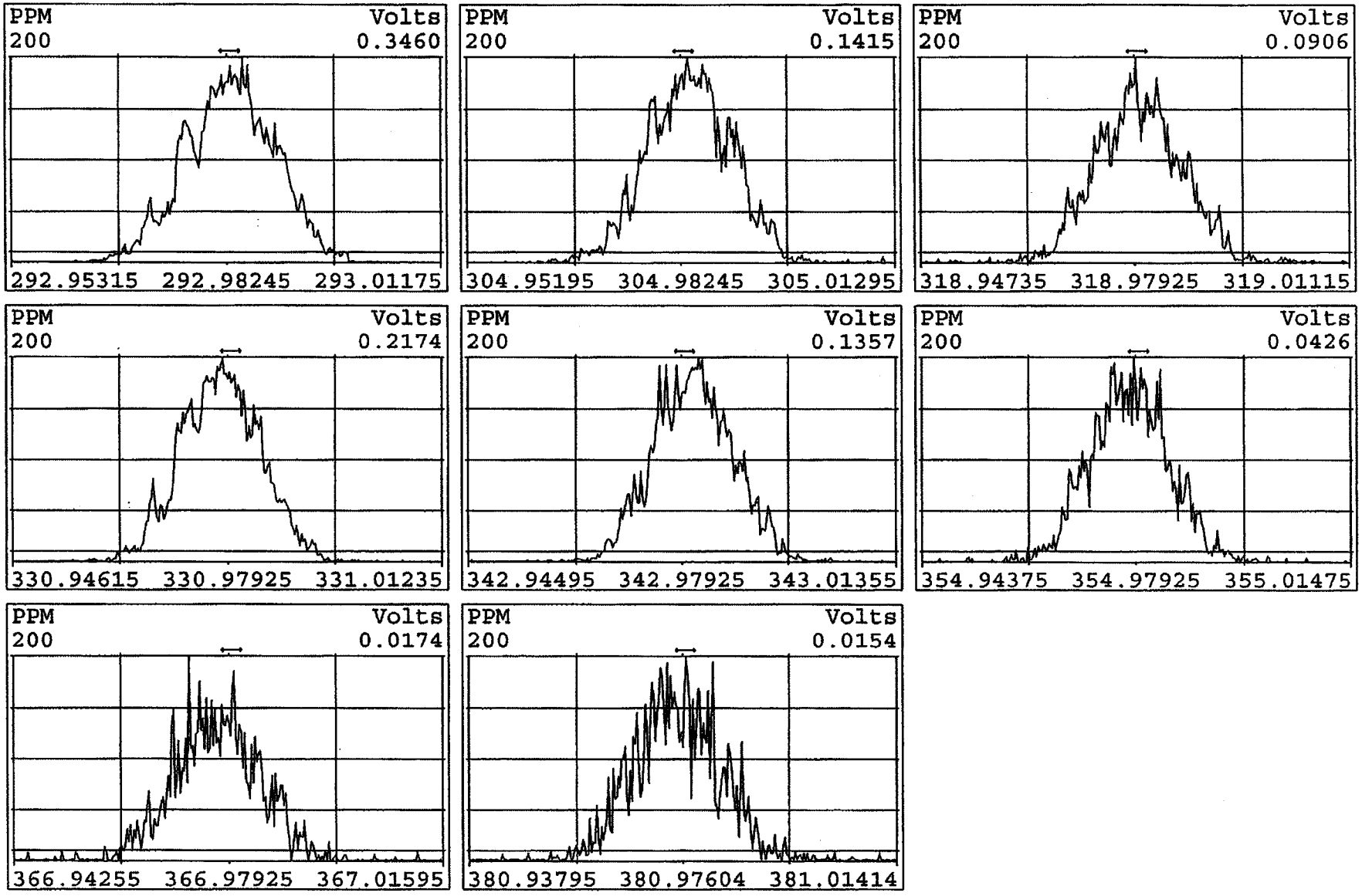




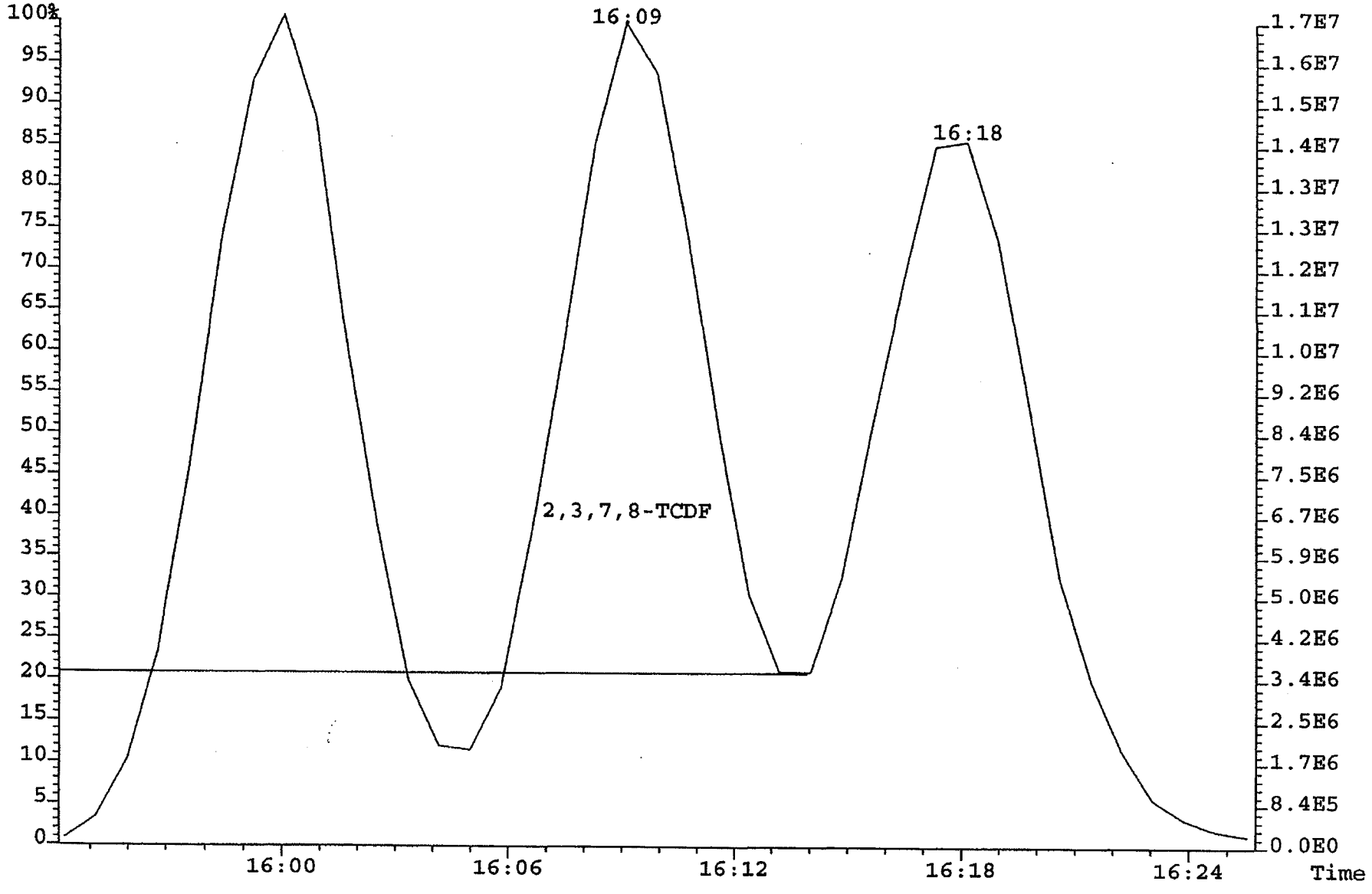




Peak Locate Examination:21-APR-2010:21:16 File:RESCHK21AP105D2
Experiment:DIOXIN Function:1 Reference:PFK



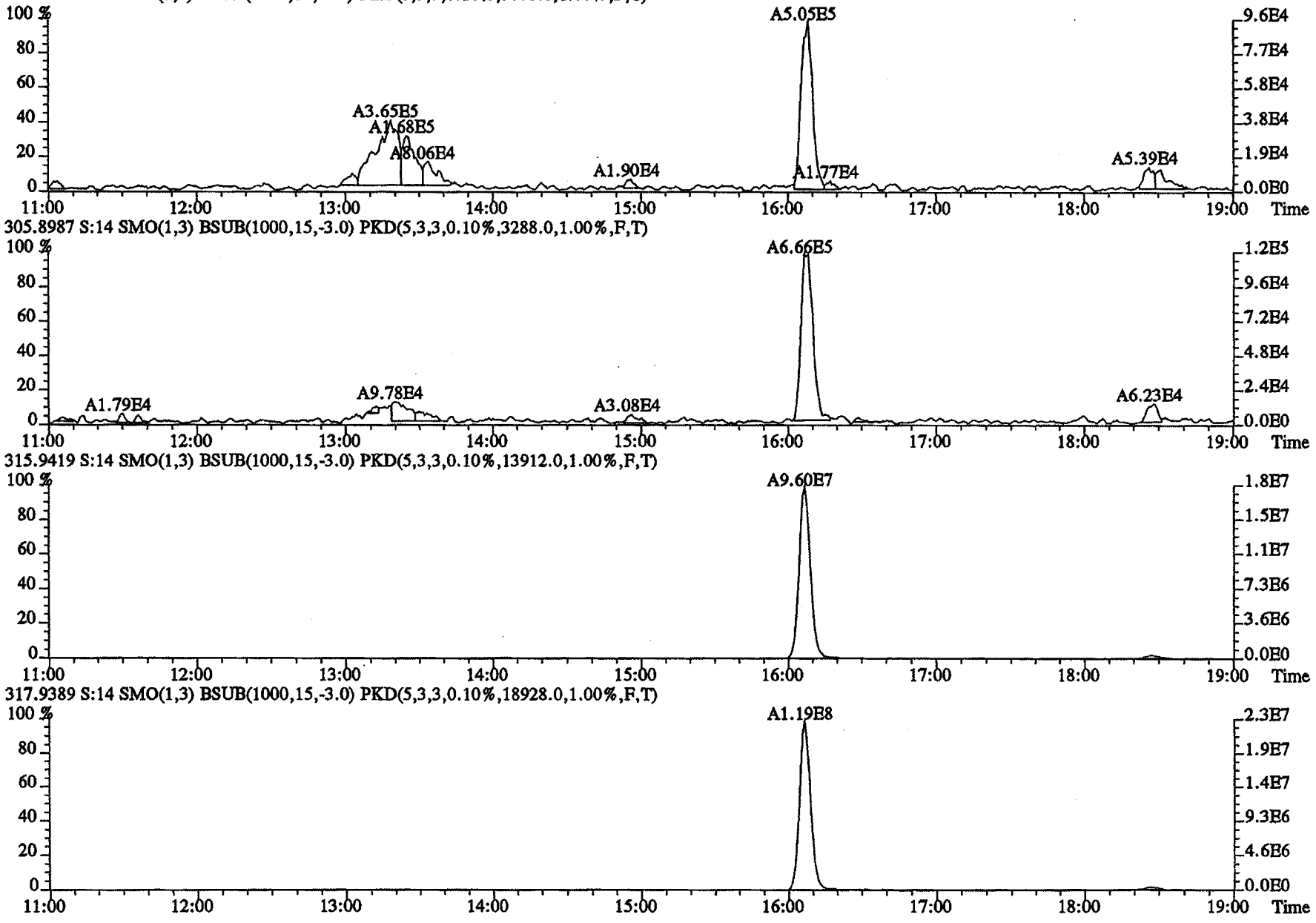
File:21AP105D2 #1-919 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Exp:DIOXIN
305.8987 S:2

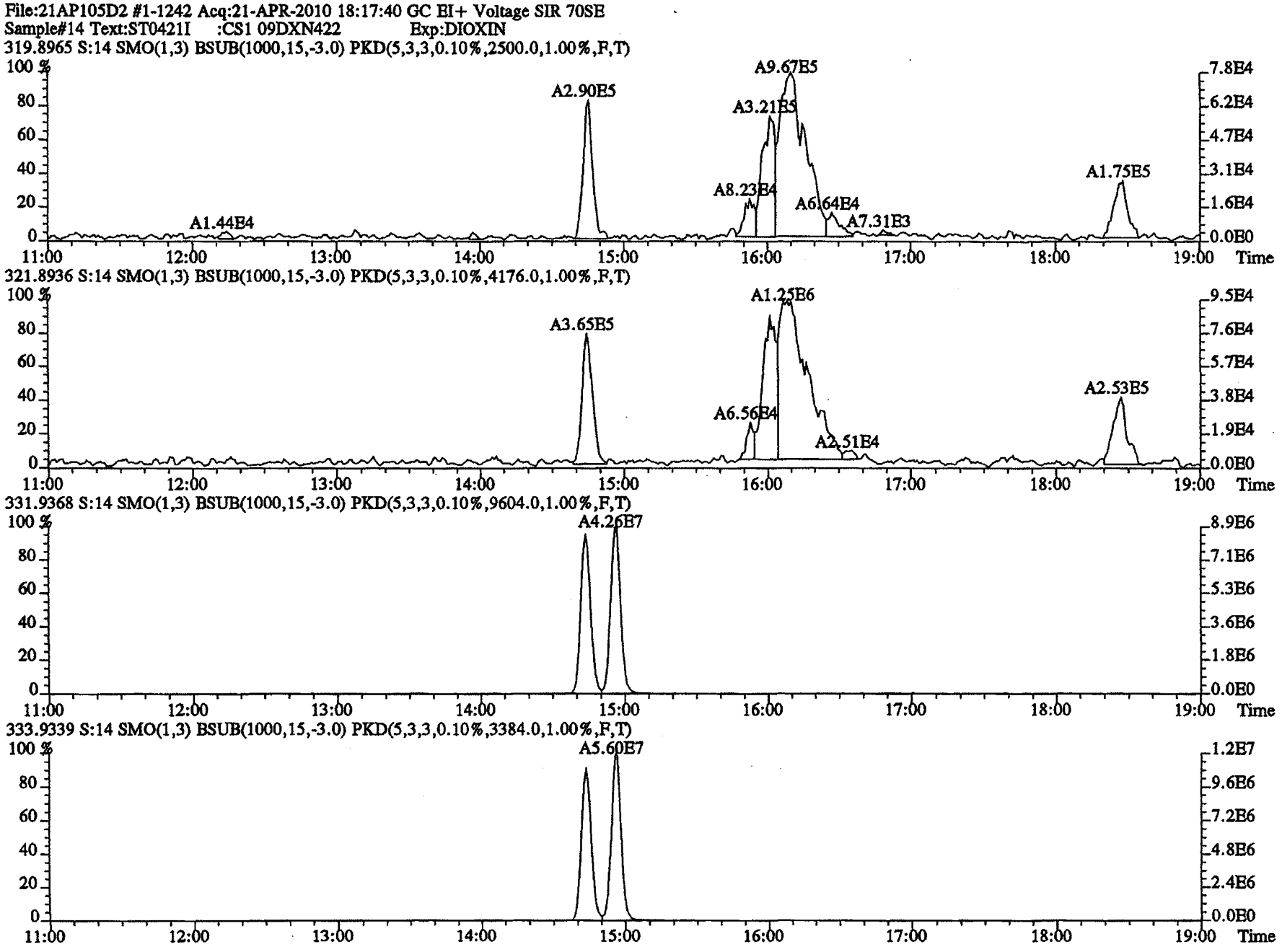


Run text: ST0421L Sample text: ST0421L :2nd Source 09DXN449
Run #6 Filename: 21AP105D2 S: 17 I: 1 Results: 21AP105D2DB225A
Acquired: 21-APR-10 20:08:50 Processed: 23-APR-10 15:30:50
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

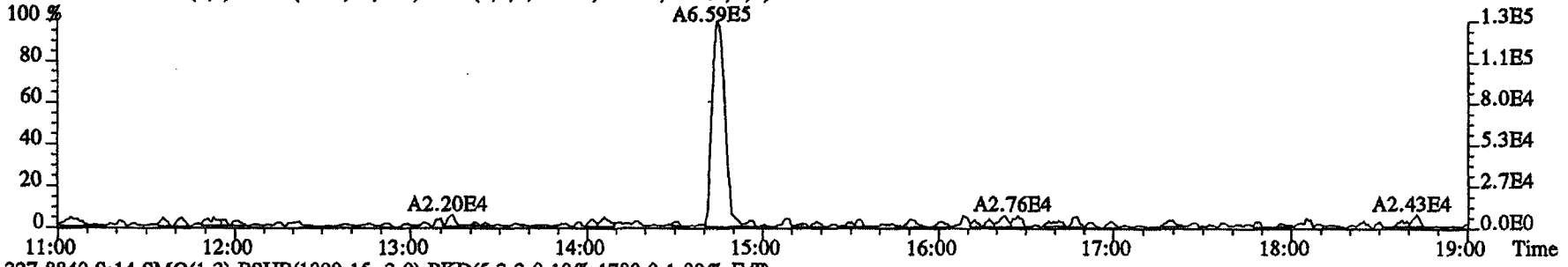
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	92288800	0.77	y	14:57	-	92.77	-	-	n
13C-2,3,7,8-TCDF	210985500	0.84	y	16:08	2.11	2170.78	4.59	108.5	n
2,3,7,8-TCDF	22099440	0.82	y	16:09	1.09	192.46	1.01	-	n
13C-2,3,7,8-TCDD	100543600	0.76	y	14:45	0.95	2297.28	3.52	114.9	n
2,3,7,8-TCDD	13155960	0.84	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

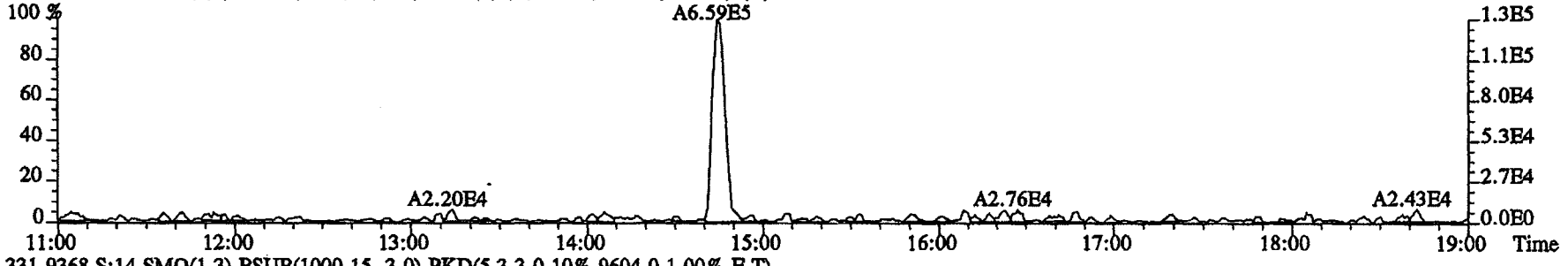



File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2500.0,1.00%,F,T)
A2.90E5
A9.67E5
A3.21E5
A1.75E5
A8.23E4
A6.64E4
A1.44E4
A7.31E3
321.8936 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)
A1.25E6
A3.65E5
A2.53E5
A6.56E4
A2.51E4
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9604.0,1.00%,F,T)
A4.26E7
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3384.0,1.00%,F,T)
A5.60E7
100 %
80
60
40
20
0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
7.8E4
6.2E4
4.7E4
3.1E4
1.6E4
0.0E0
9.5E4
7.6E4
5.7E4
3.8E4
1.9E4
8.9E6
7.1E6
5.3E6
3.6E6
1.8E6
1.2E7
9.6E6
7.2E6
4.8E6
2.4E6

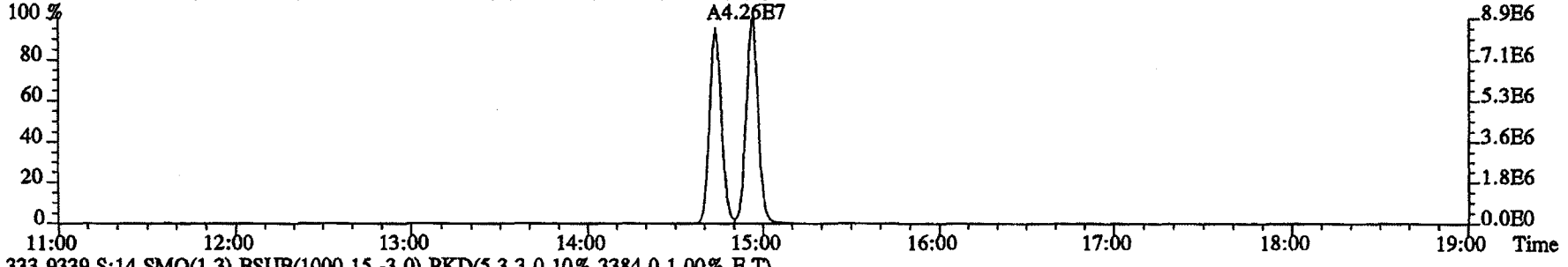
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)



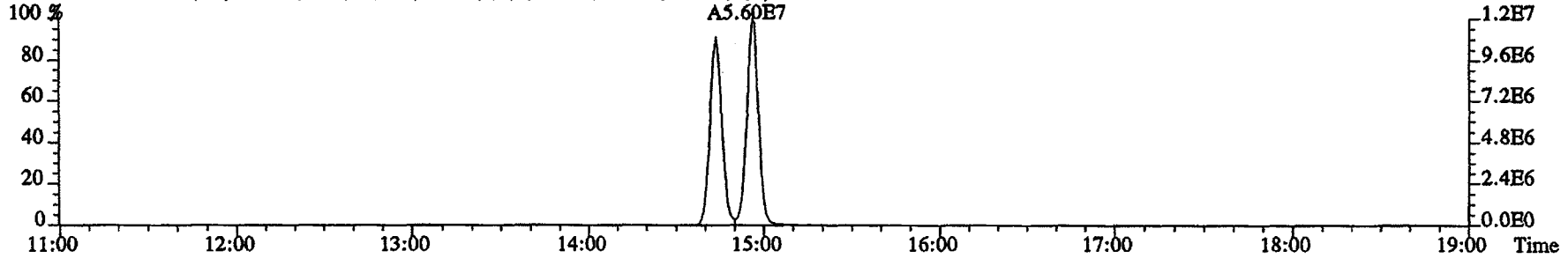
327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T)



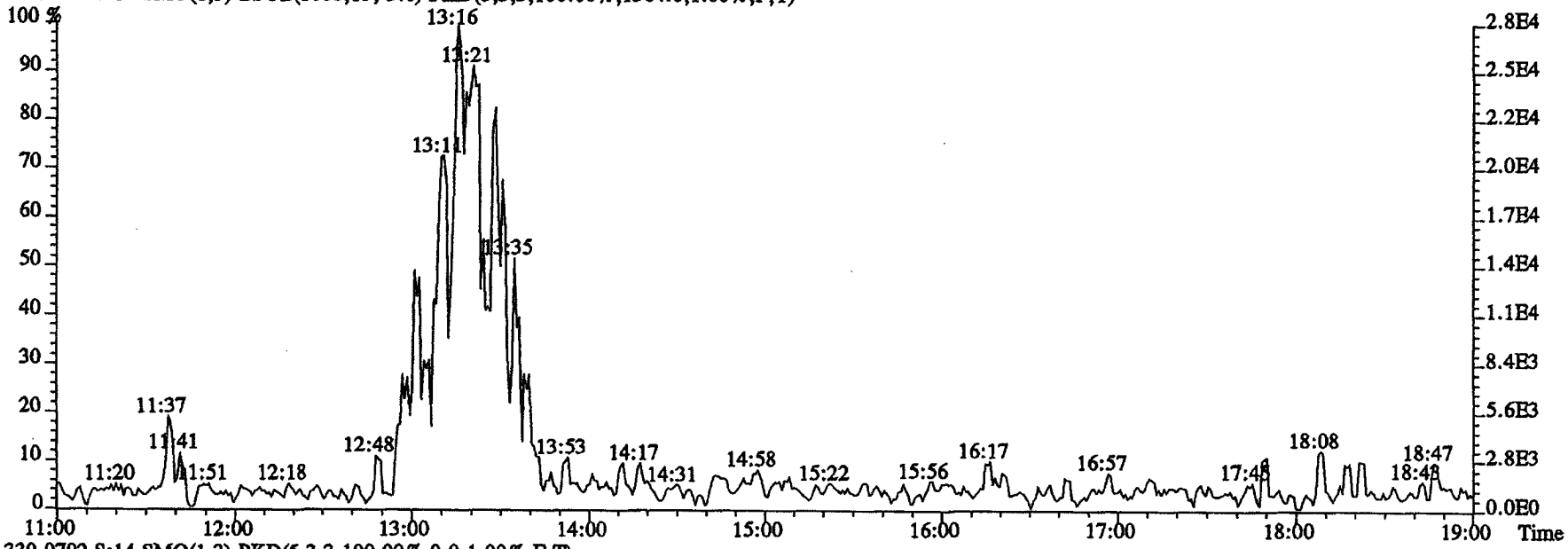
331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9604.0,1.00%,F,T)



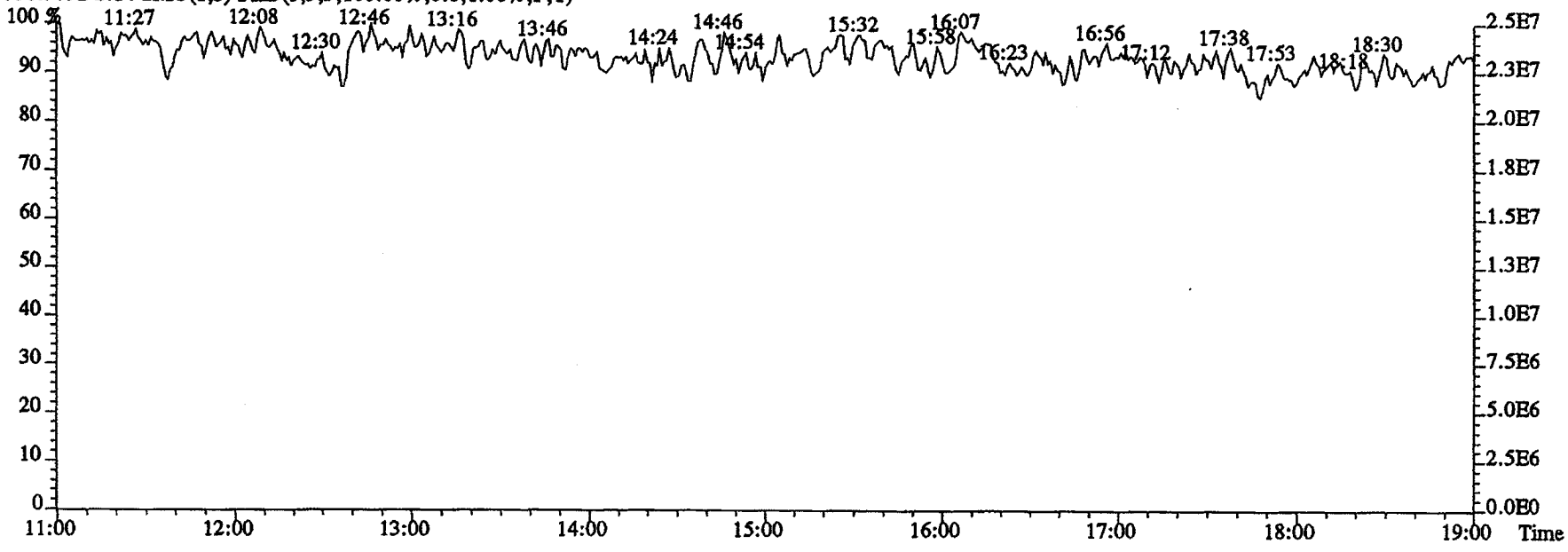
333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3384.0,1.00%,F,T)



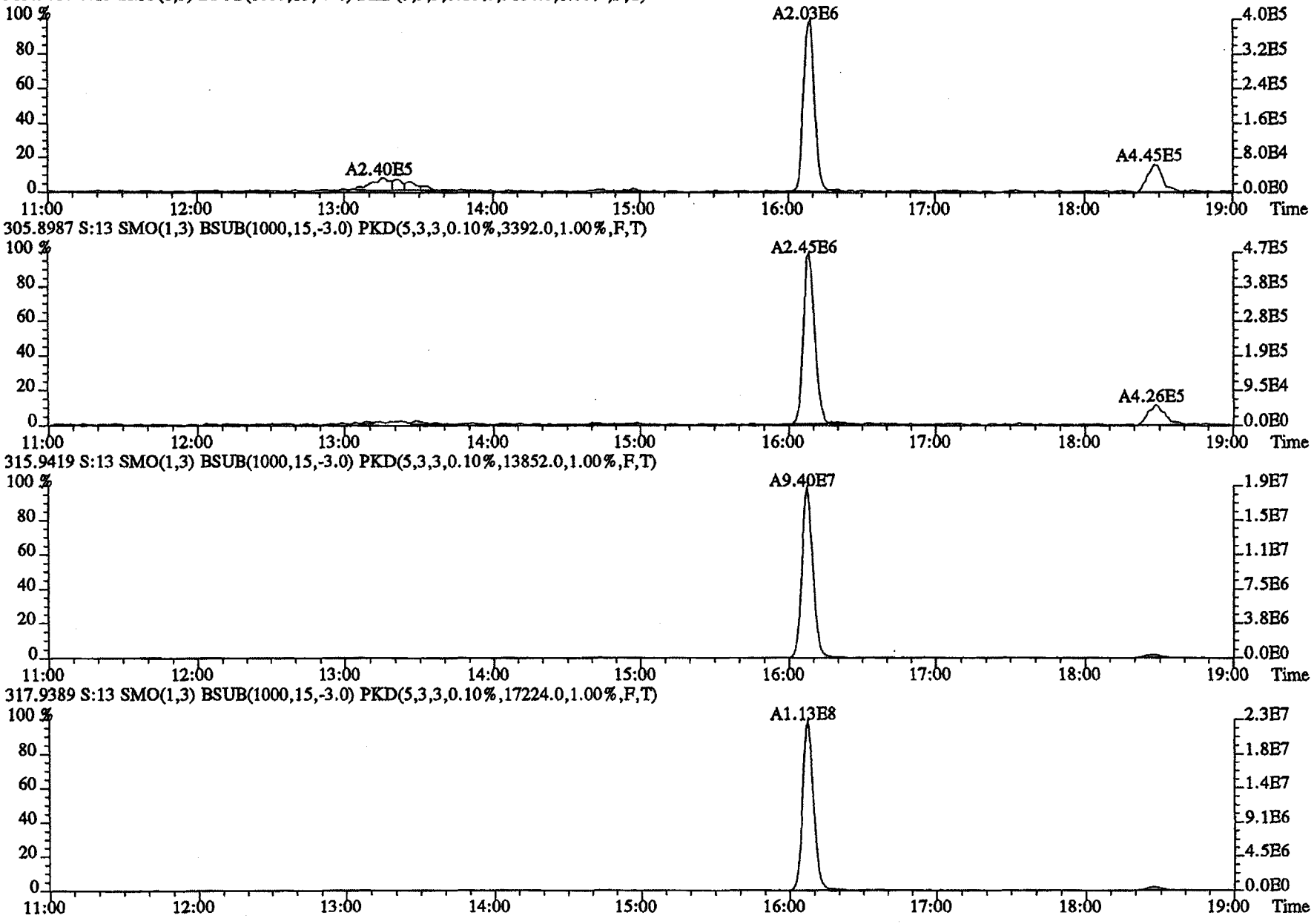
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0421I :CS1 09DXN422 Exp:DIOXIN
375.8364 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)



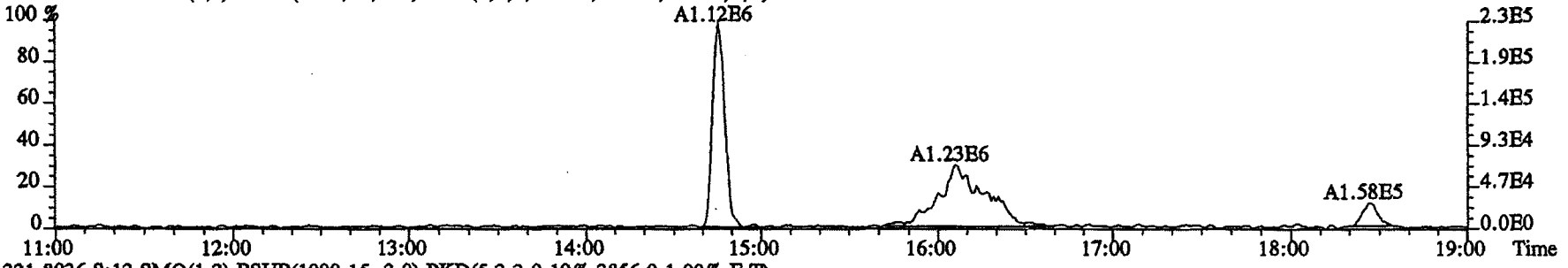
330.9792 S:14 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

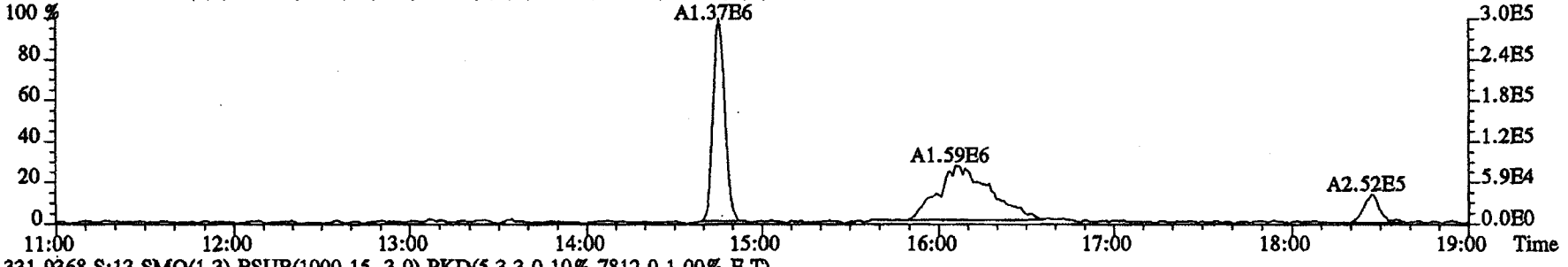


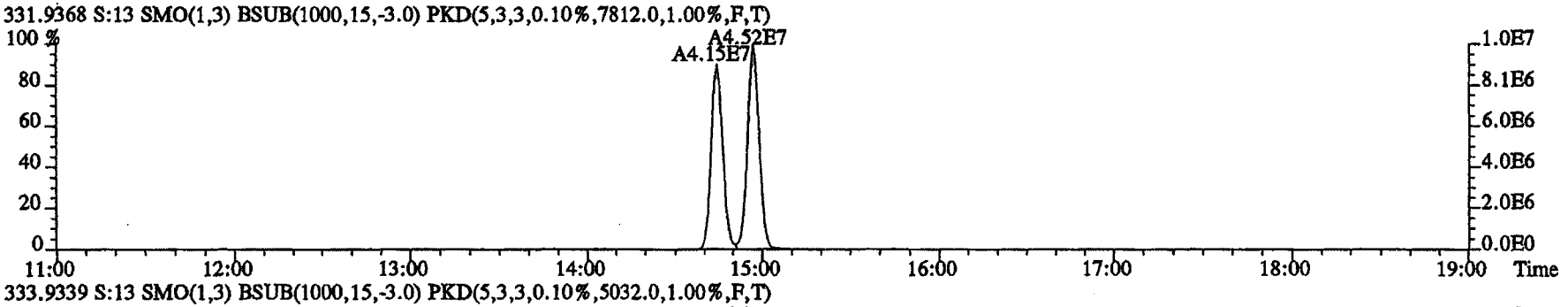
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN

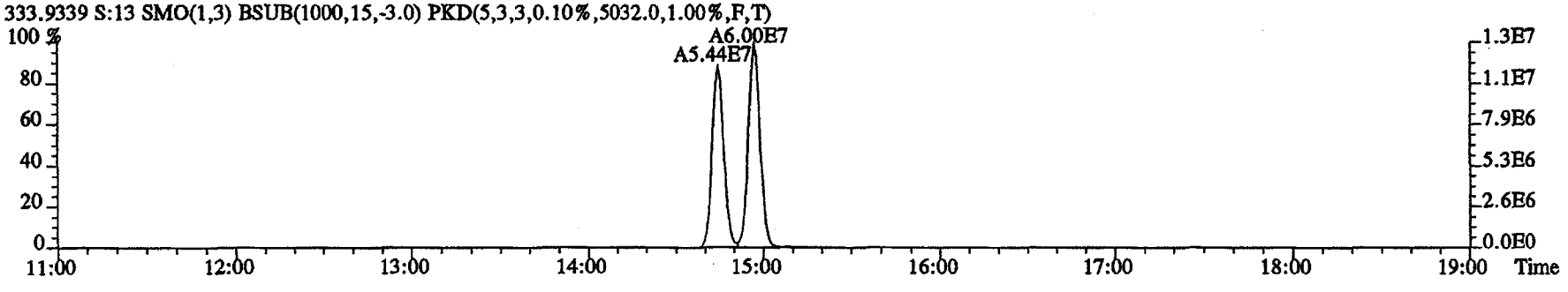


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN

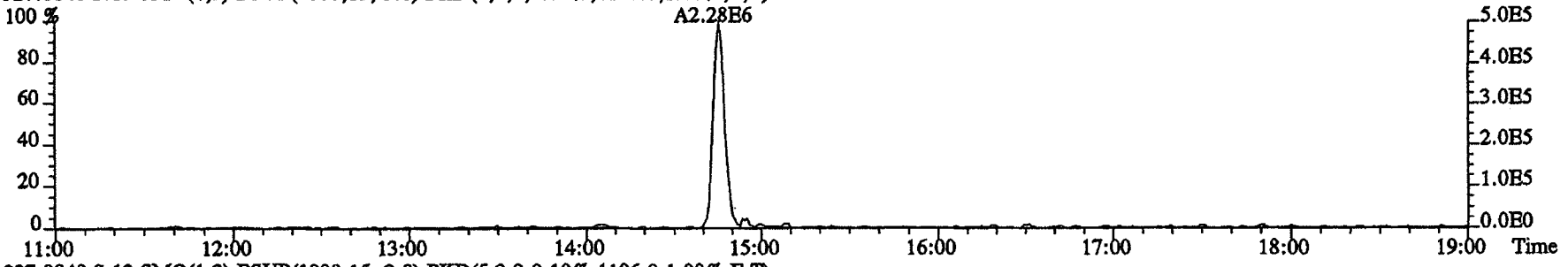




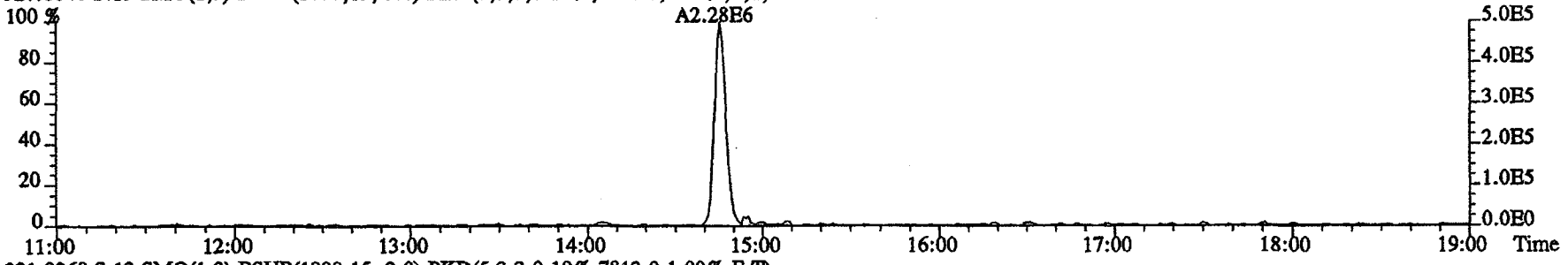




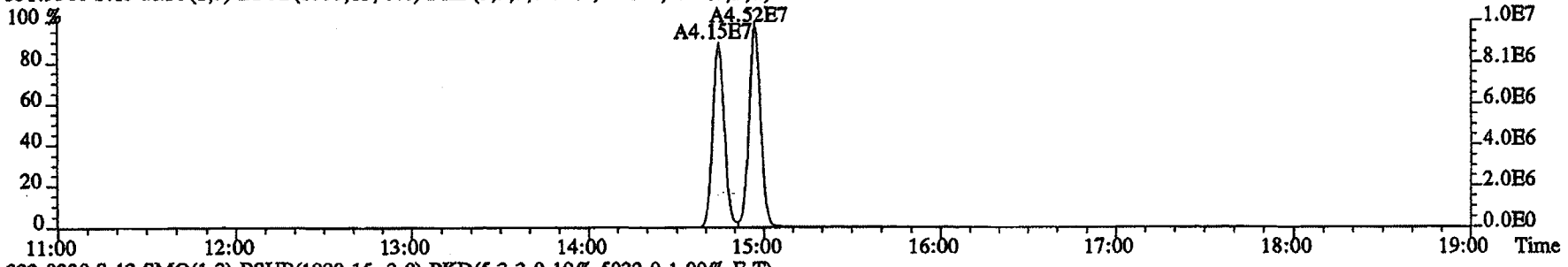
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)



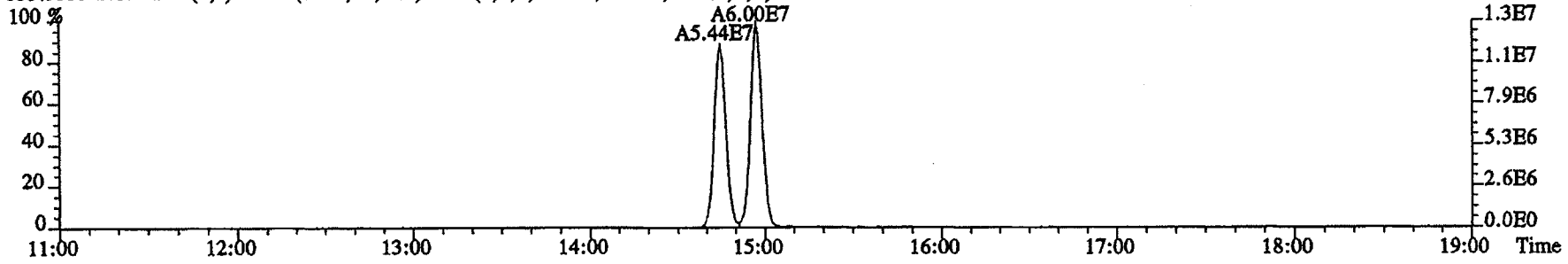
327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1196.0,1.00%,F,T)



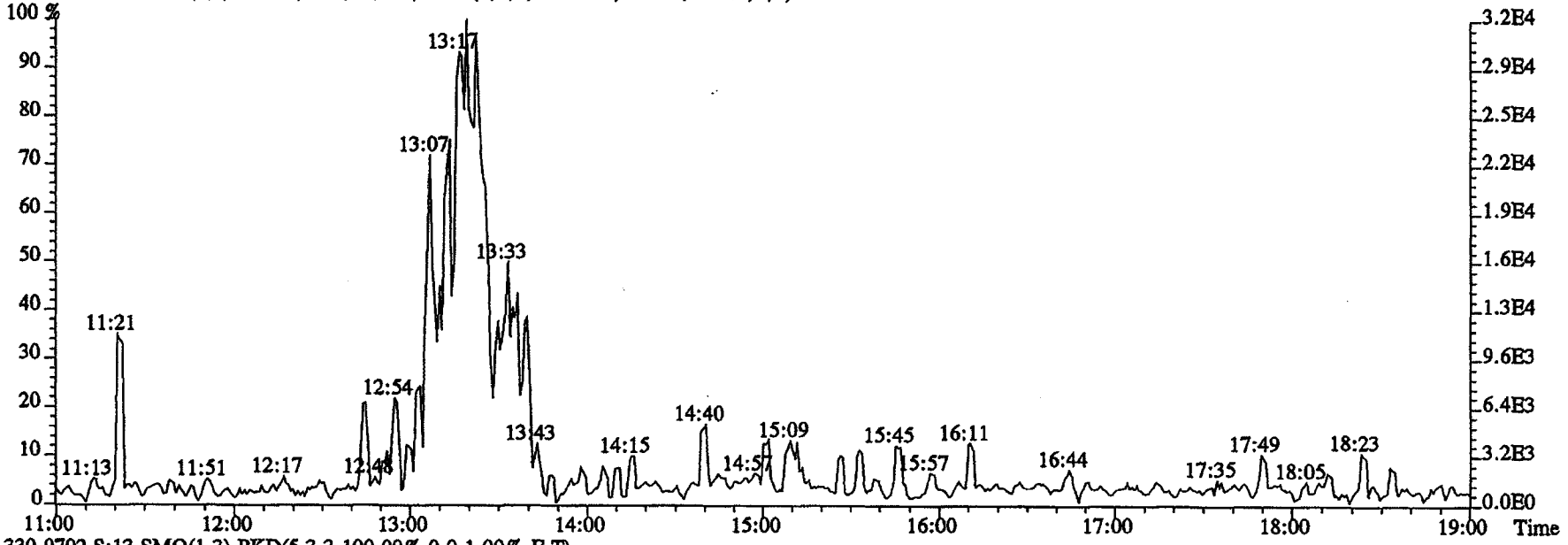
331.9368 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7812.0,1.00%,F,T)



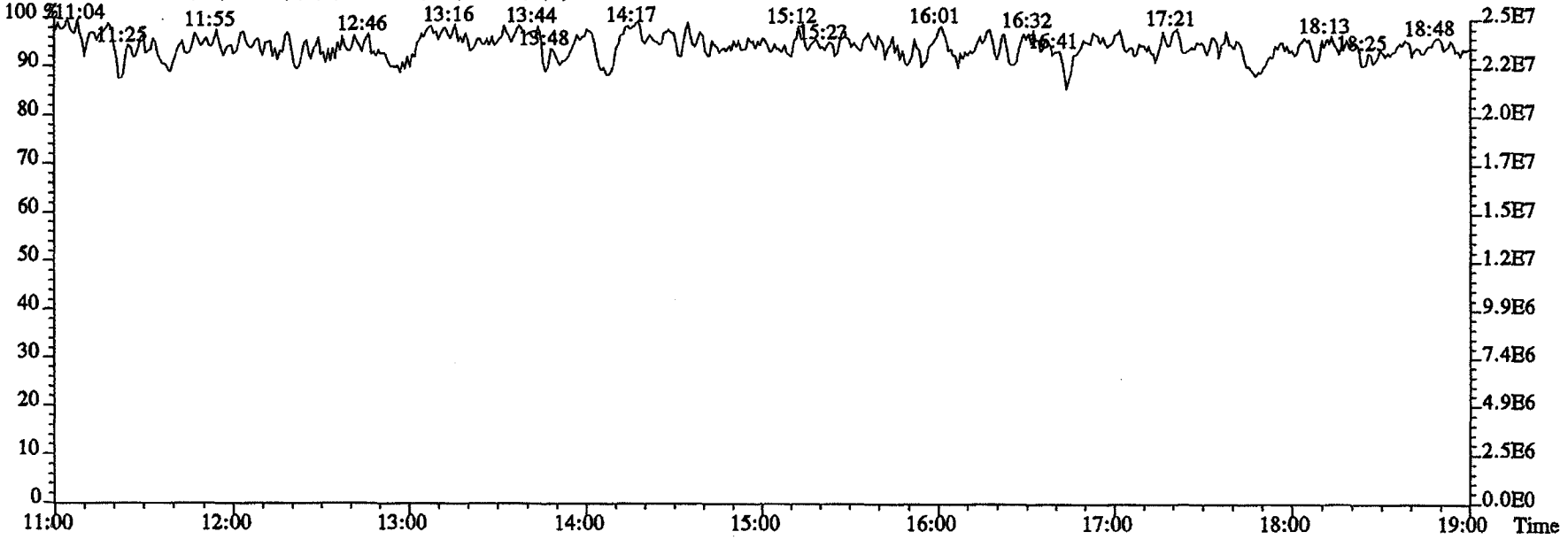
333.9339 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5032.0,1.00%,F,T)



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)

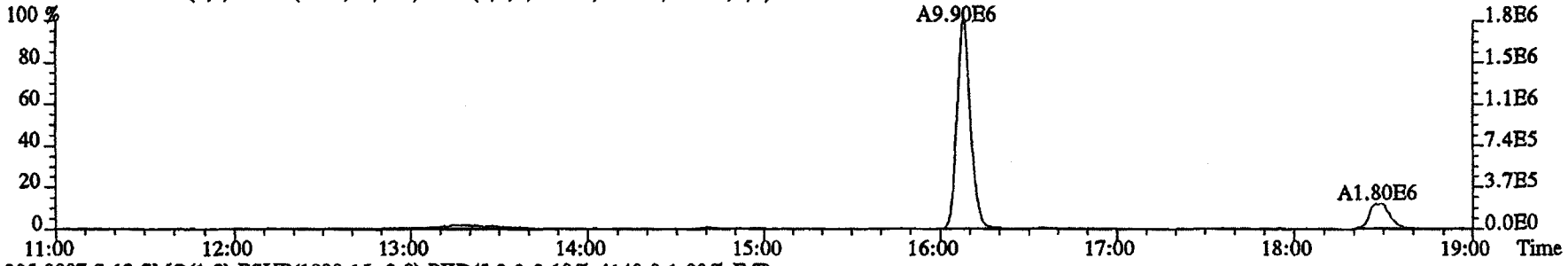


330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

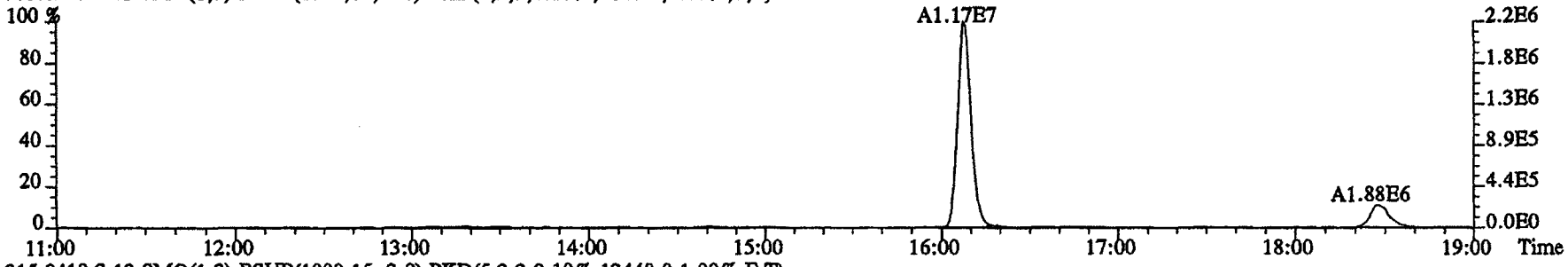


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN

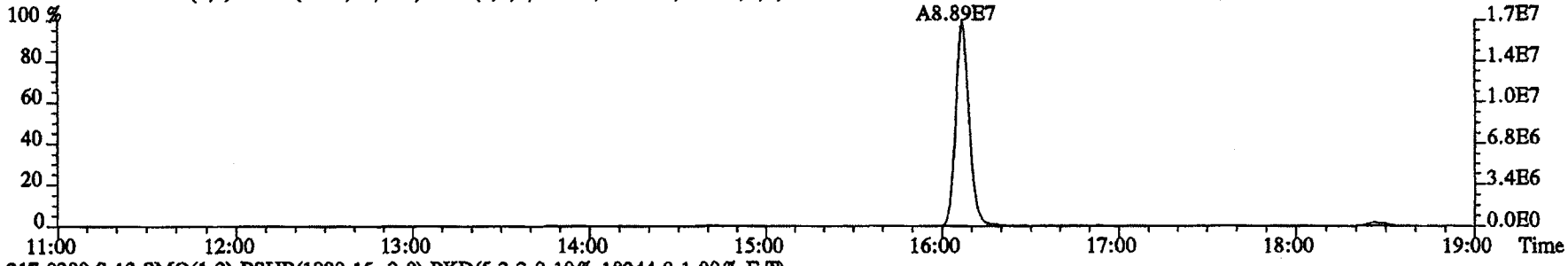
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3360.0,1.00%,F,T)



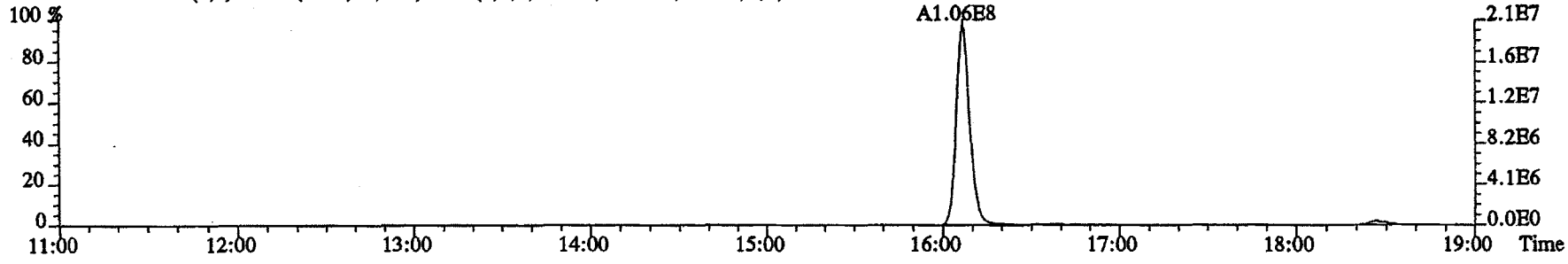
305.8987 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4140.0,1.00%,F,T)



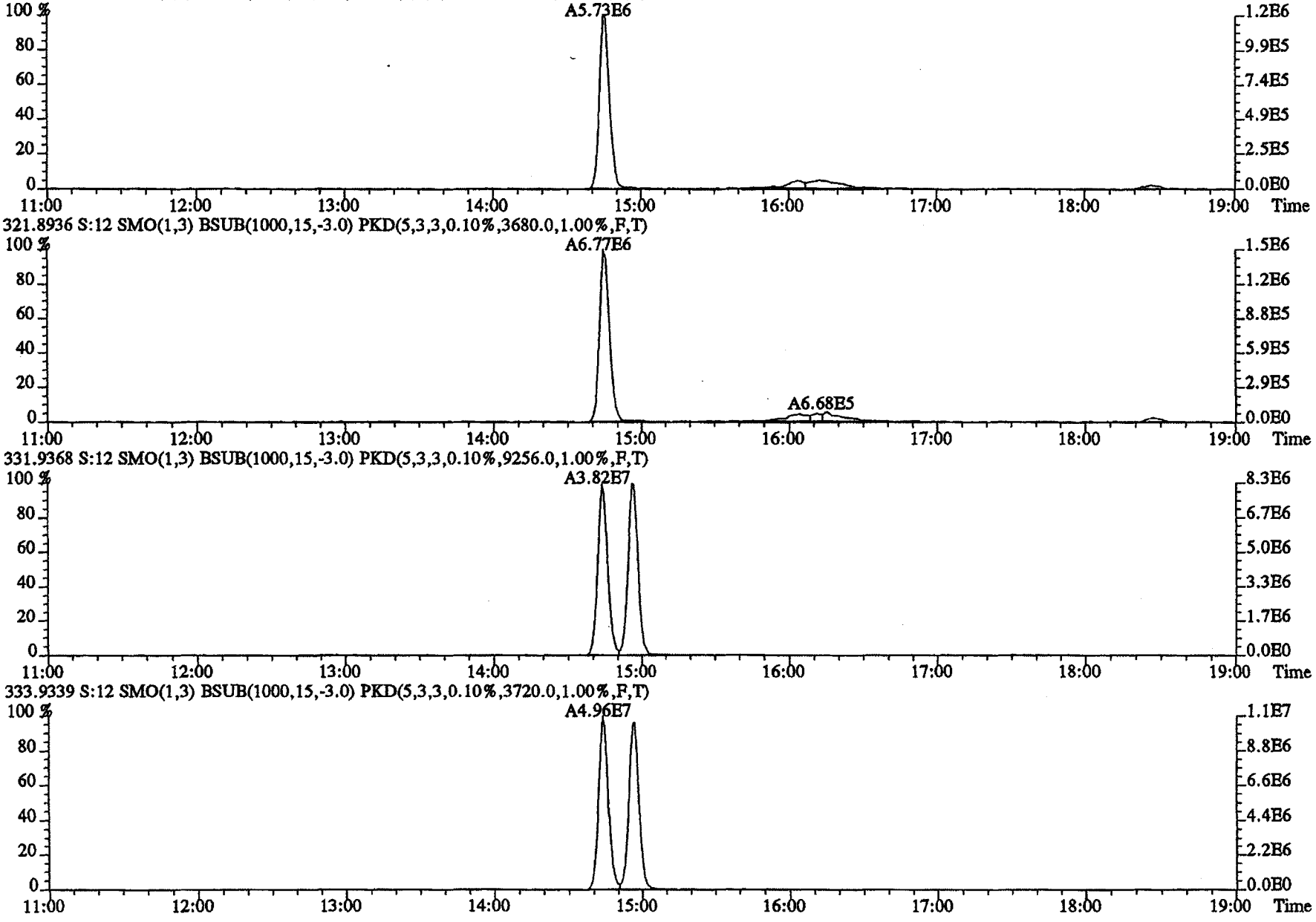
315.9419 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13448.0,1.00%,F,T)



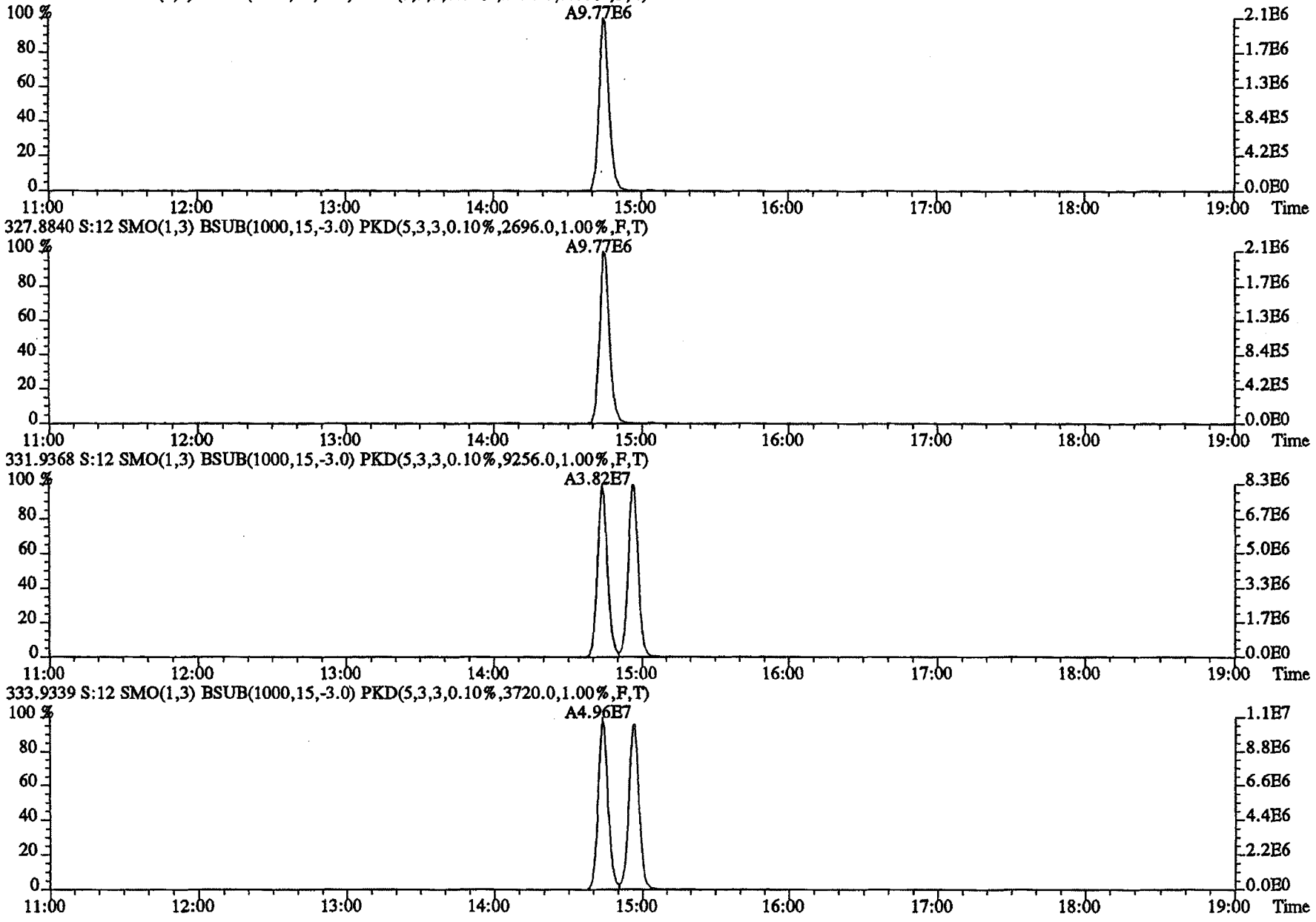
317.9389 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18244.0,1.00%,F,T)

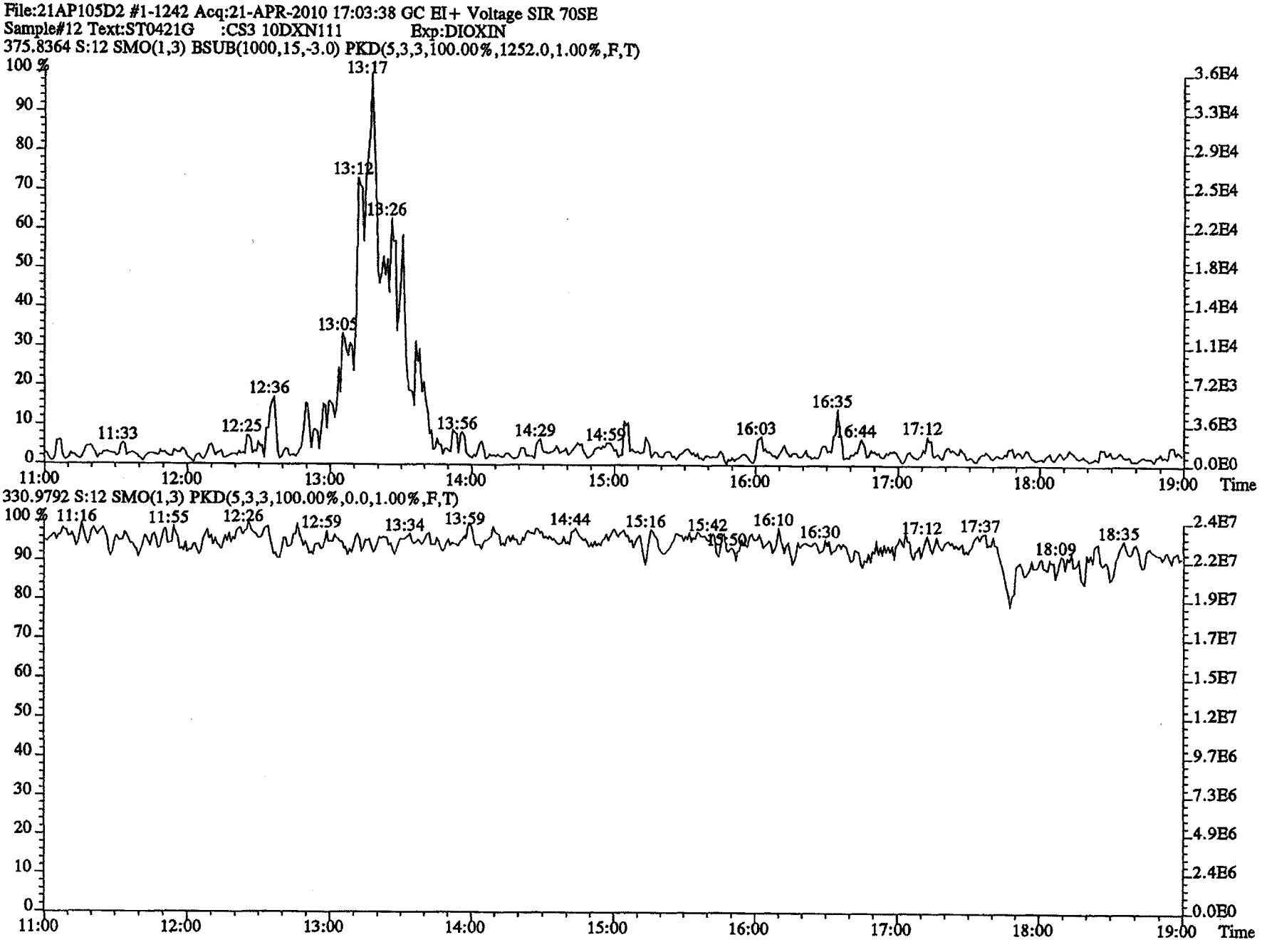


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN

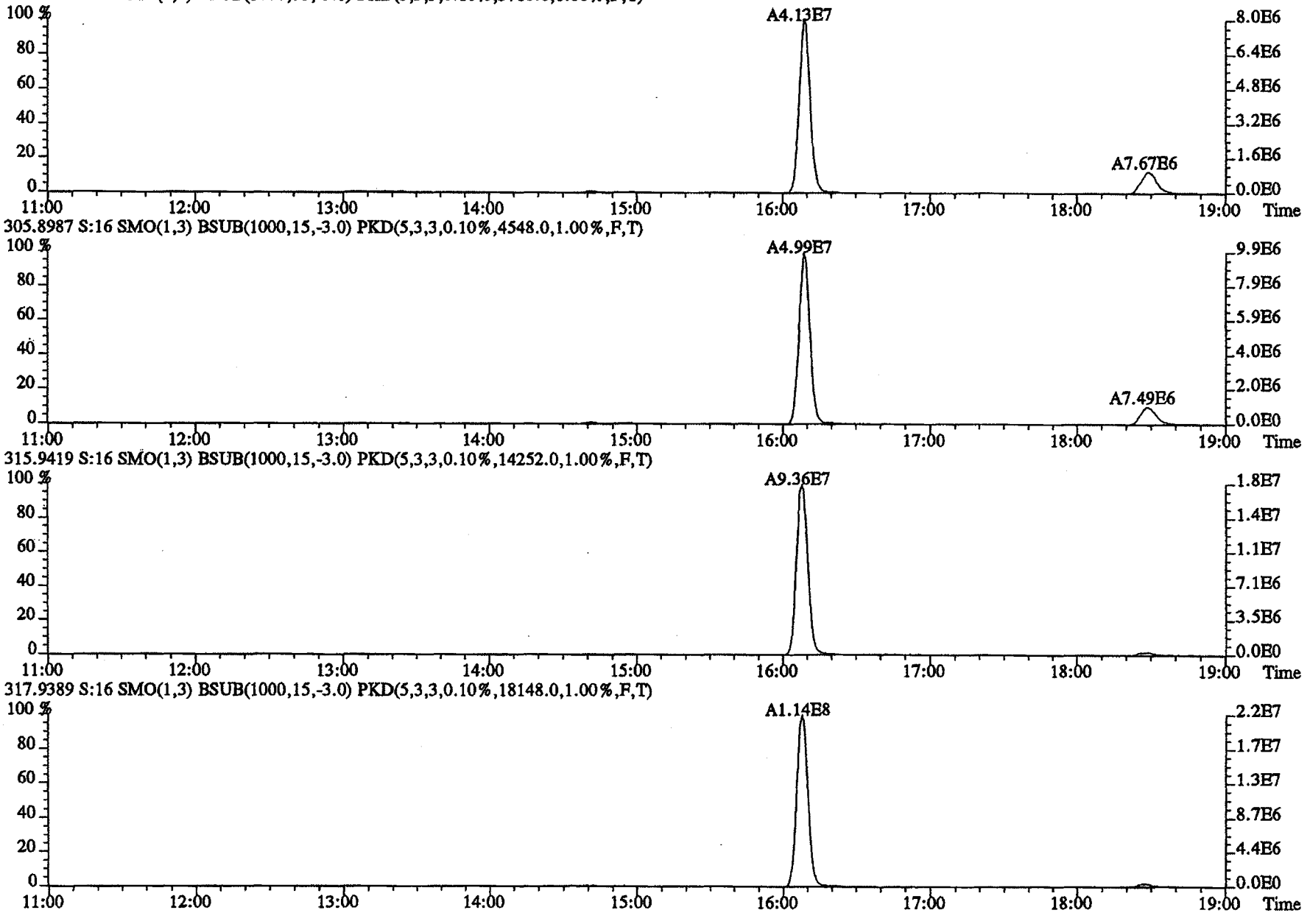


File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN

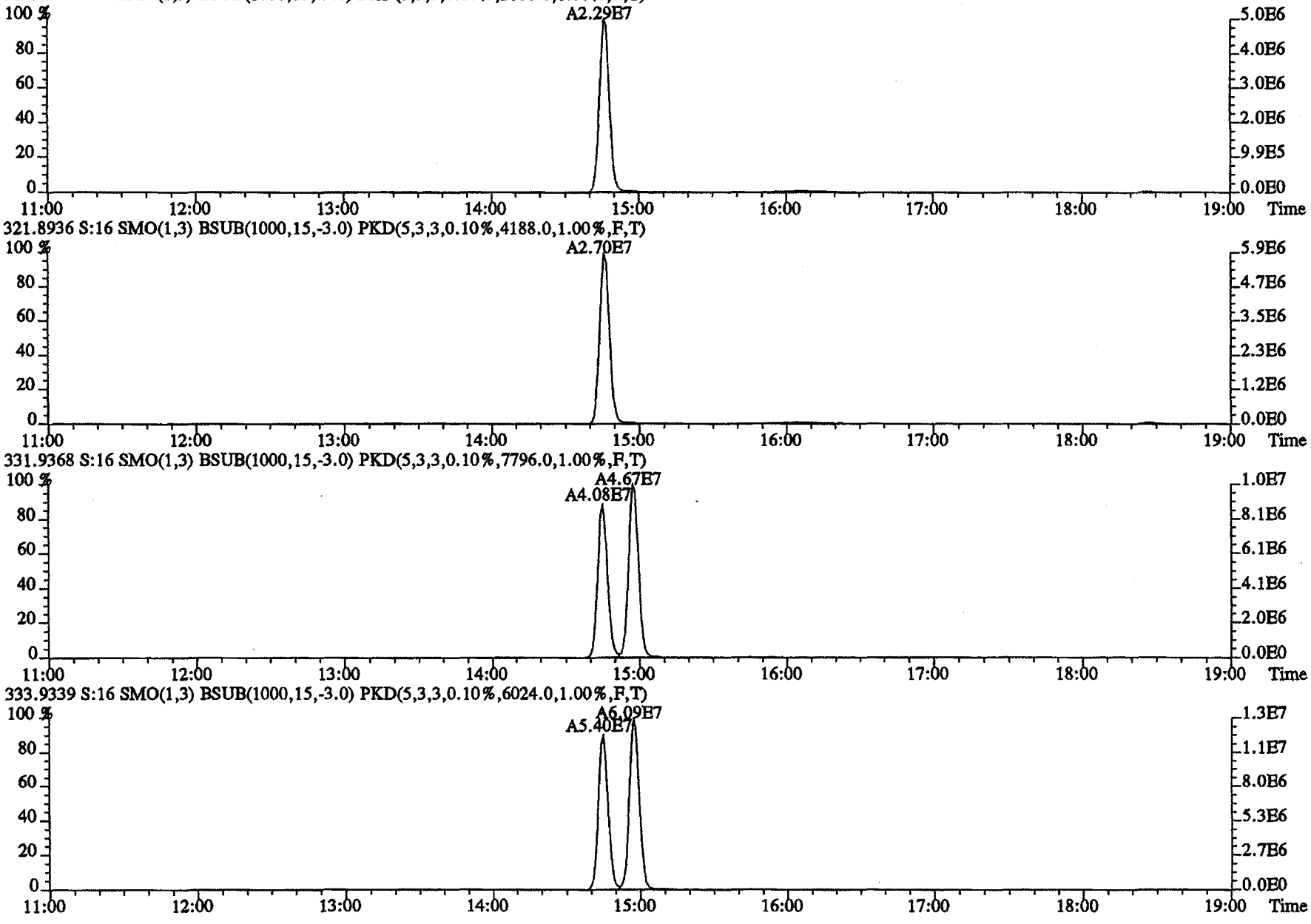




File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN

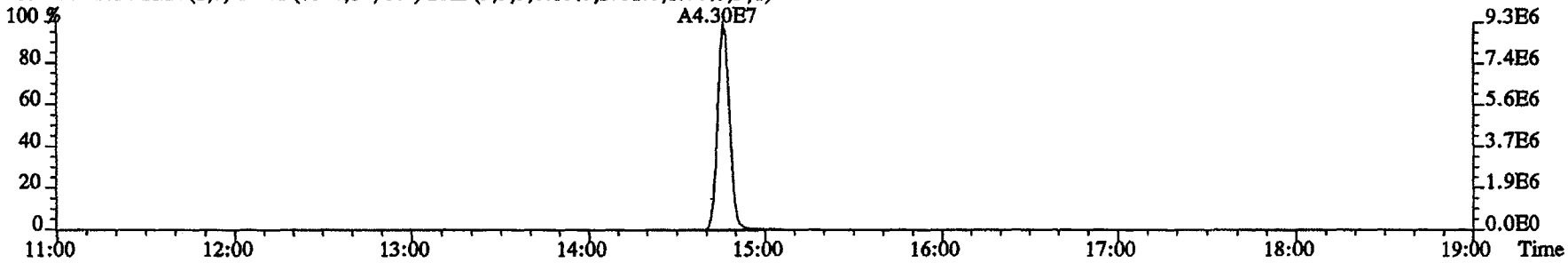


File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN

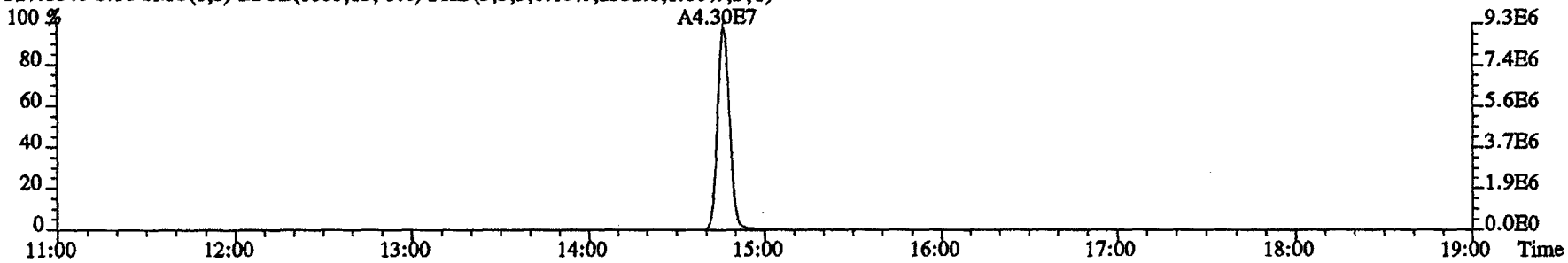


File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN

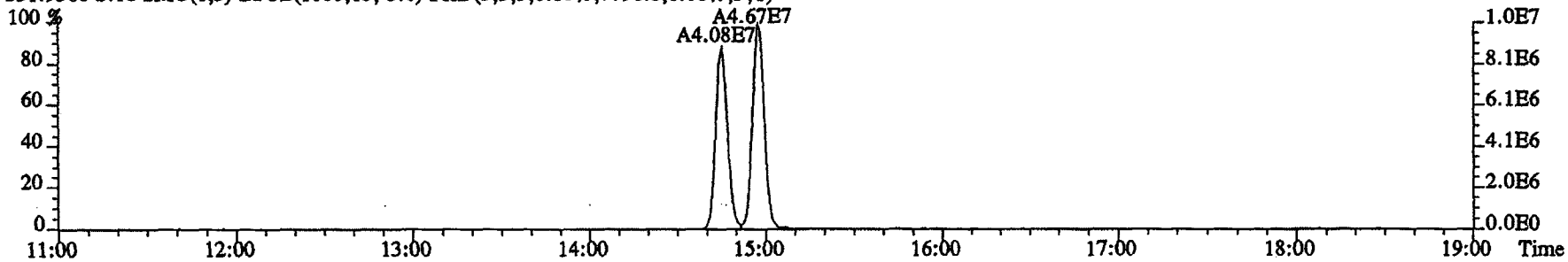
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)



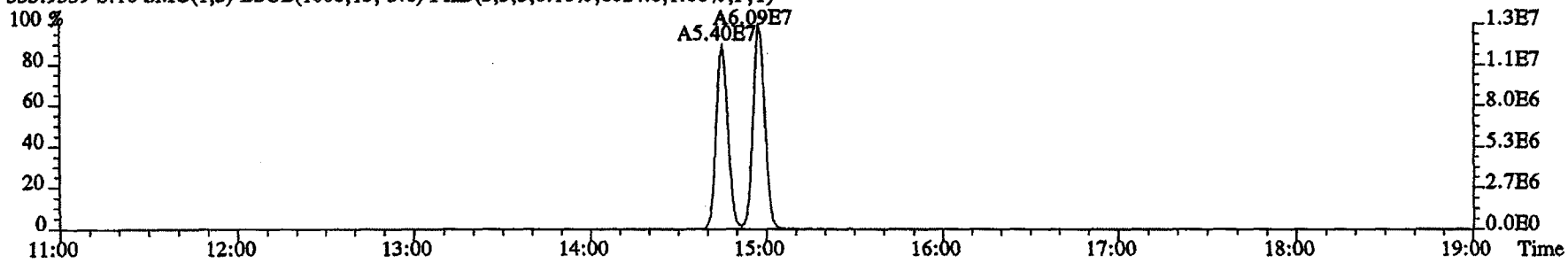
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332.0,1.00%,F,T)

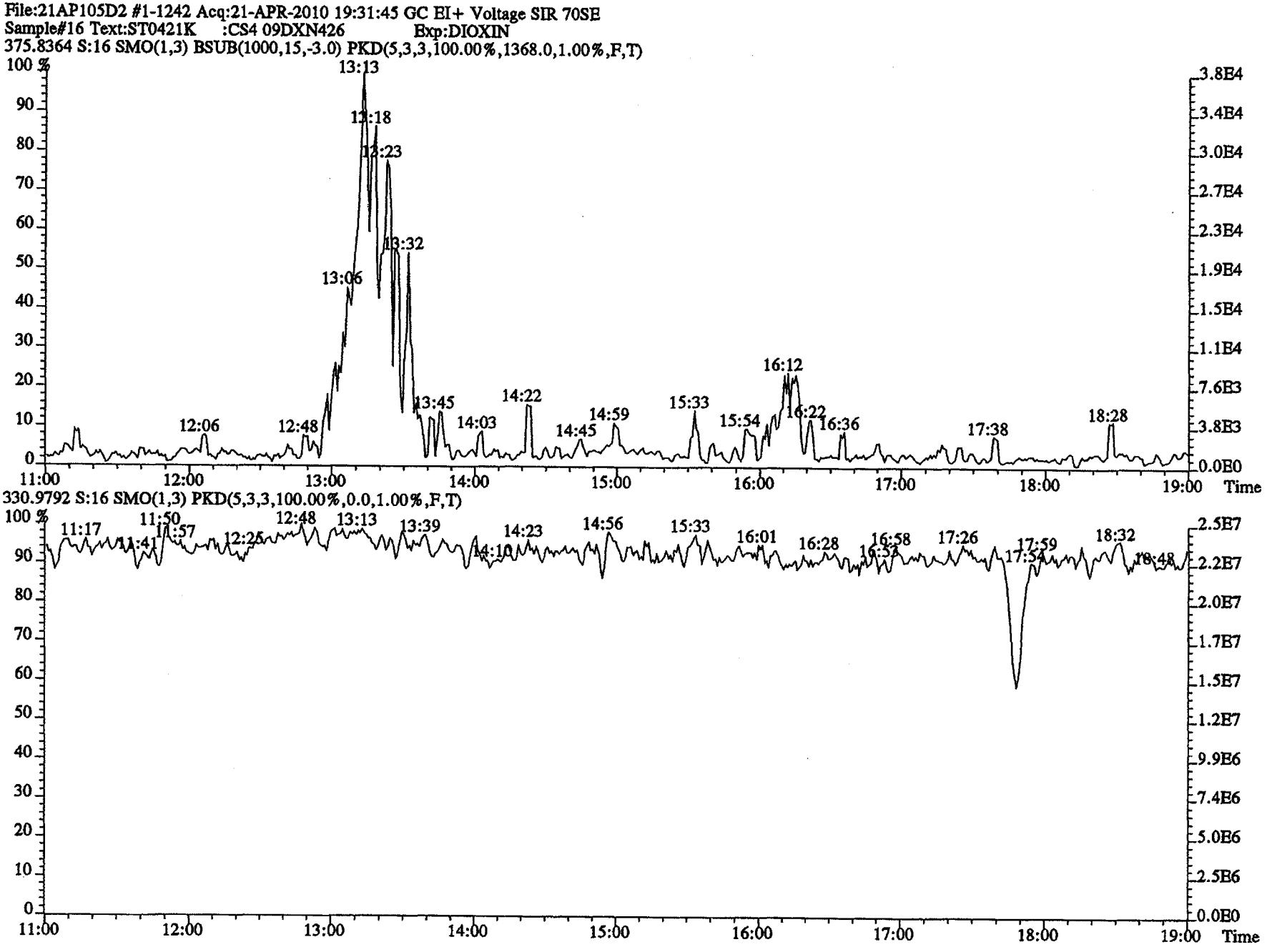


331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7796.0,1.00%,F,T)

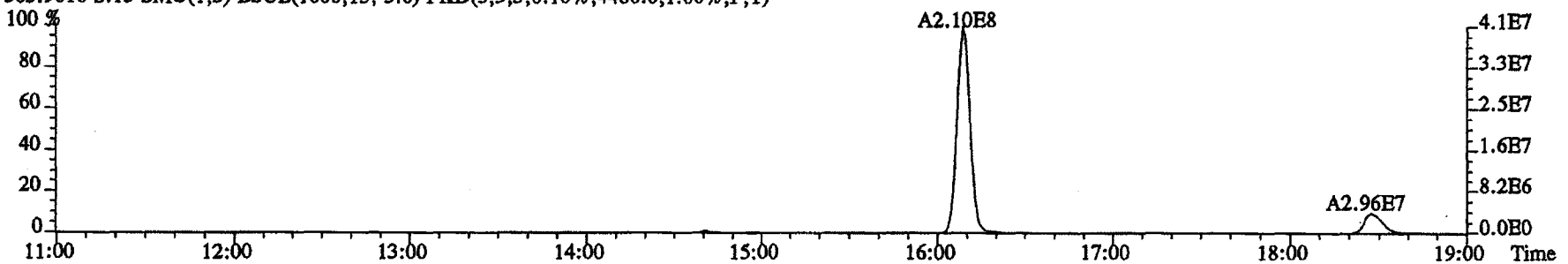


333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)

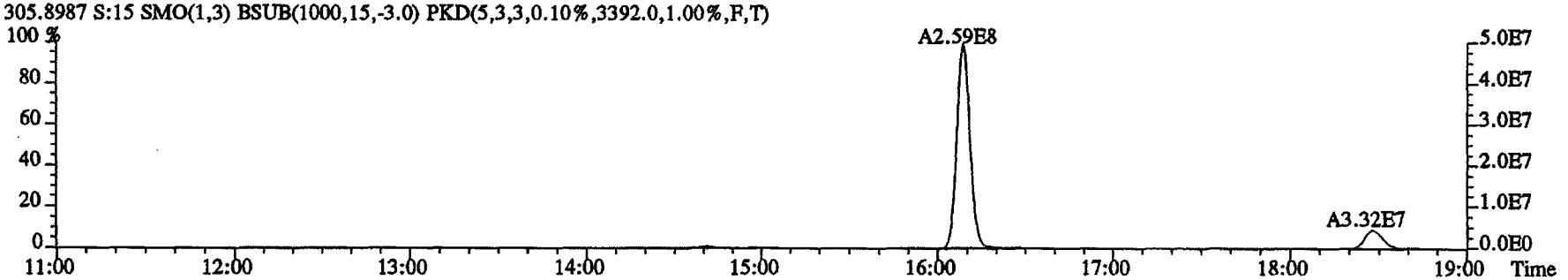




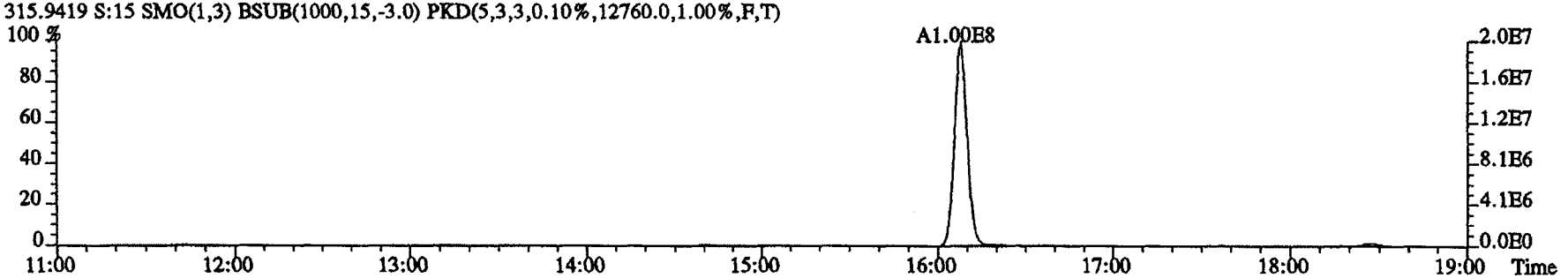
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4480.0,1.00%,F,T)



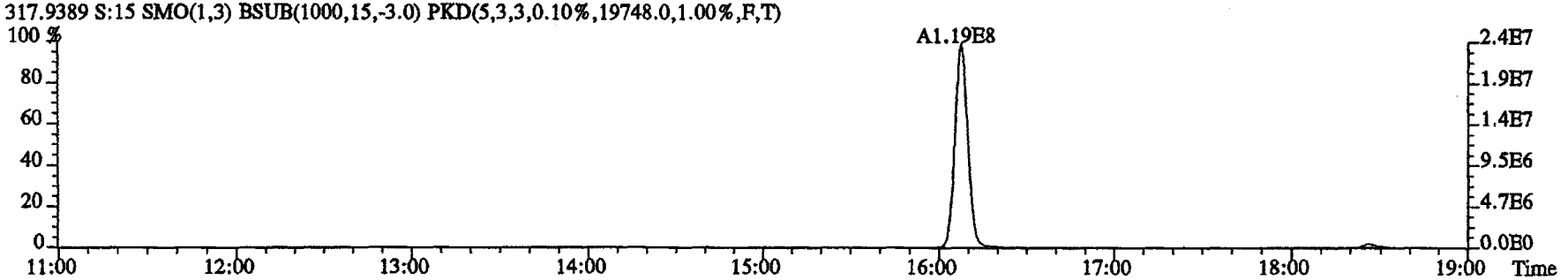
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3392.0,1.00%,F,T)



315.9419 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12760.0,1.00%,F,T)

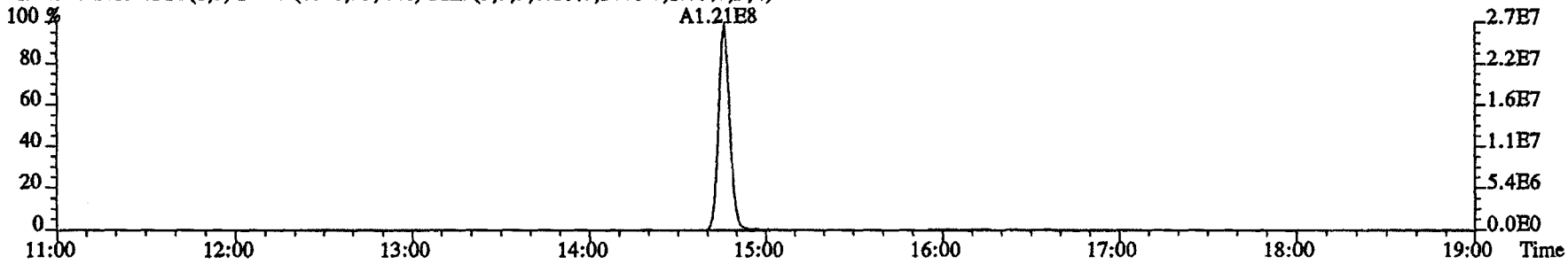


317.9389 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19748.0,1.00%,F,T)

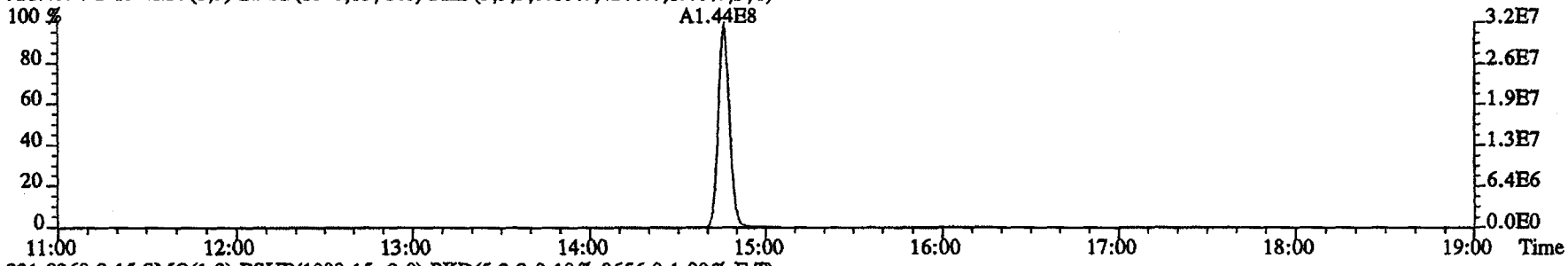


File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN

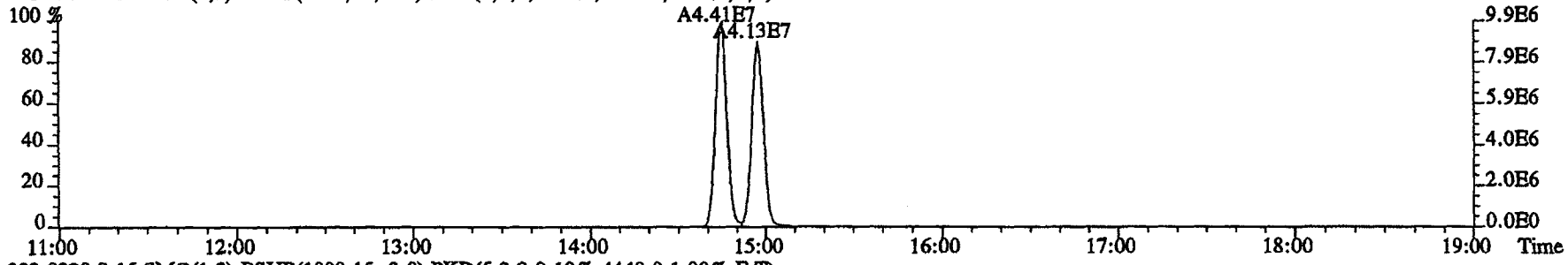
319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2688.0,1.00%,F,T)



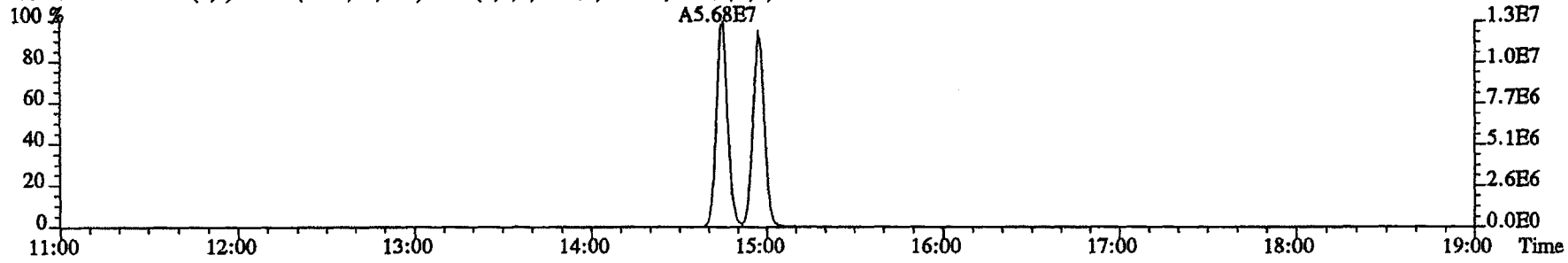
321.8936 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4280.0,1.00%,F,T)



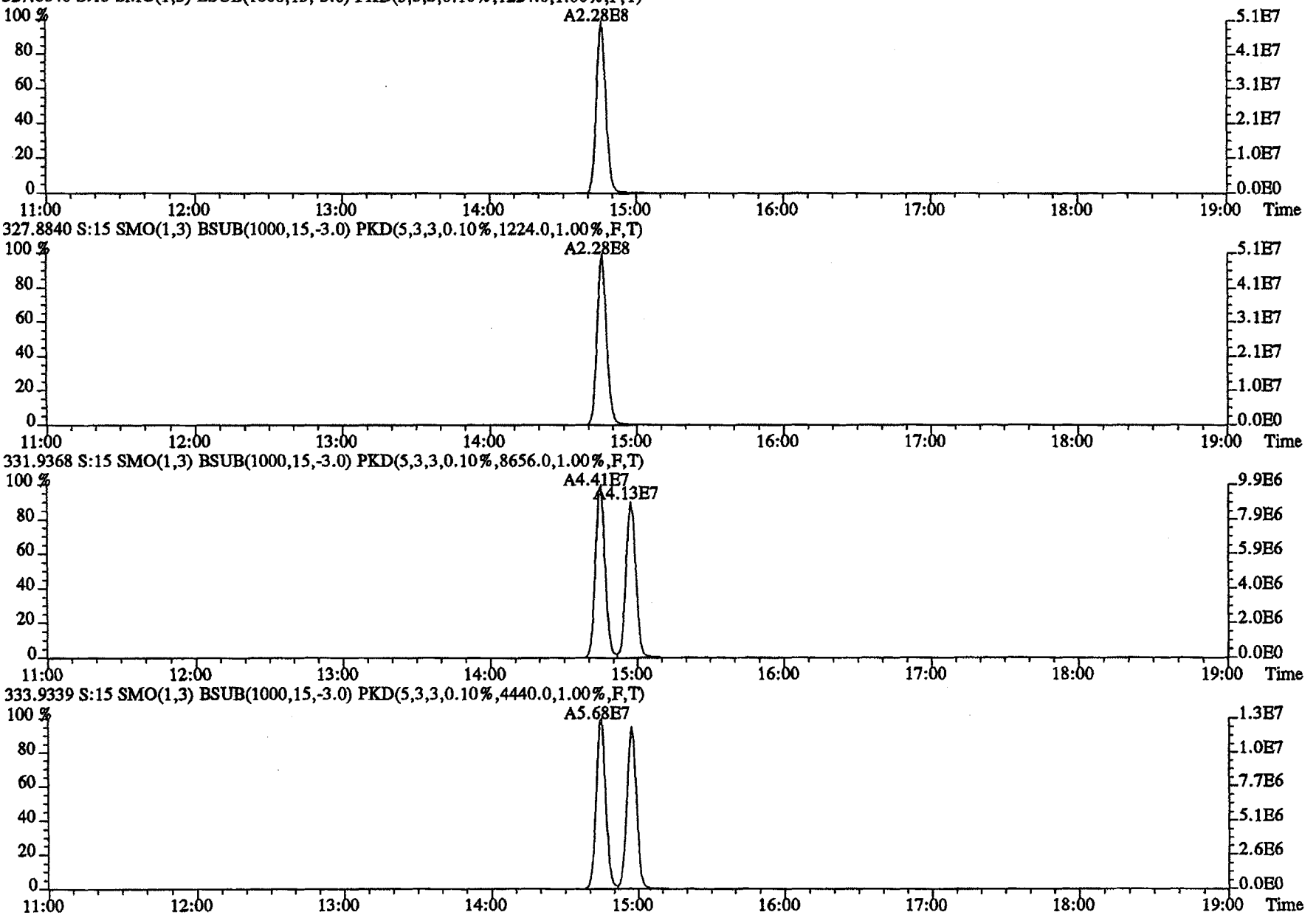
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)

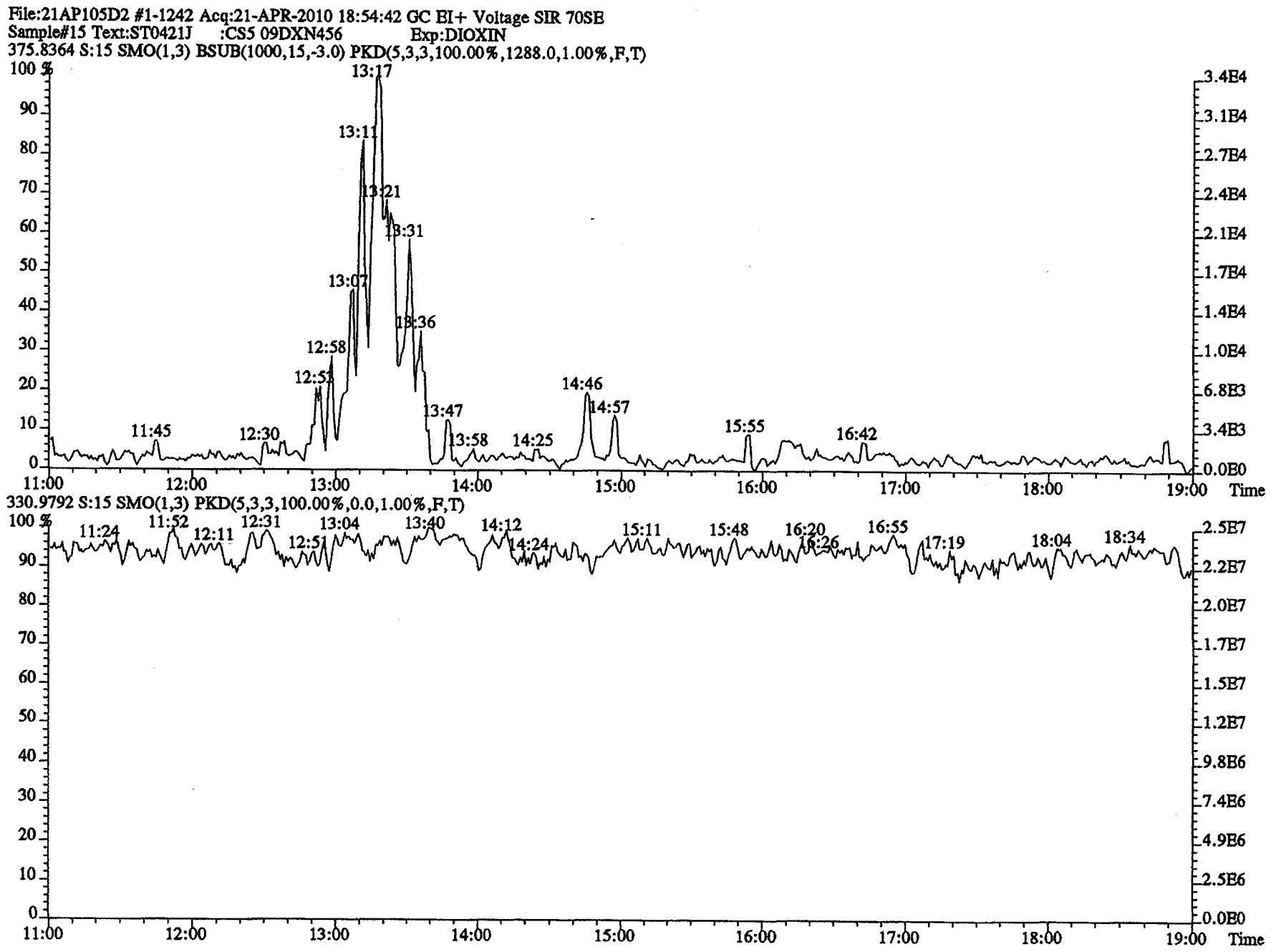


333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4440.0,1.00%,F,T)

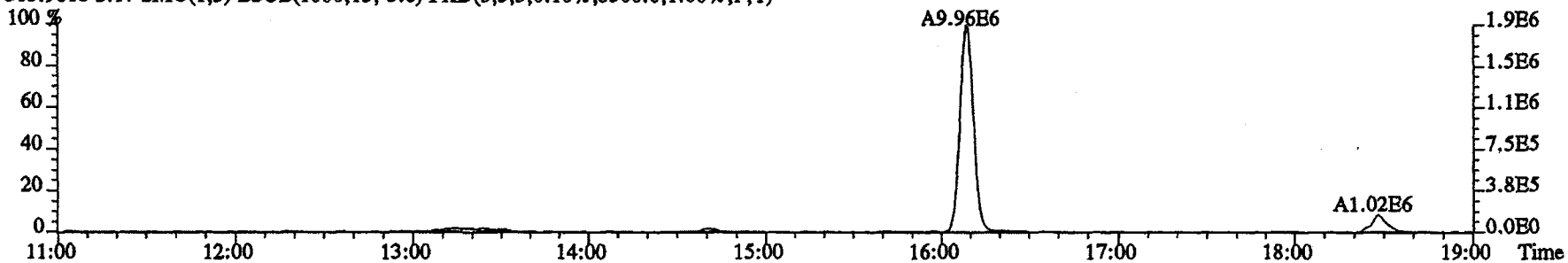


File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN

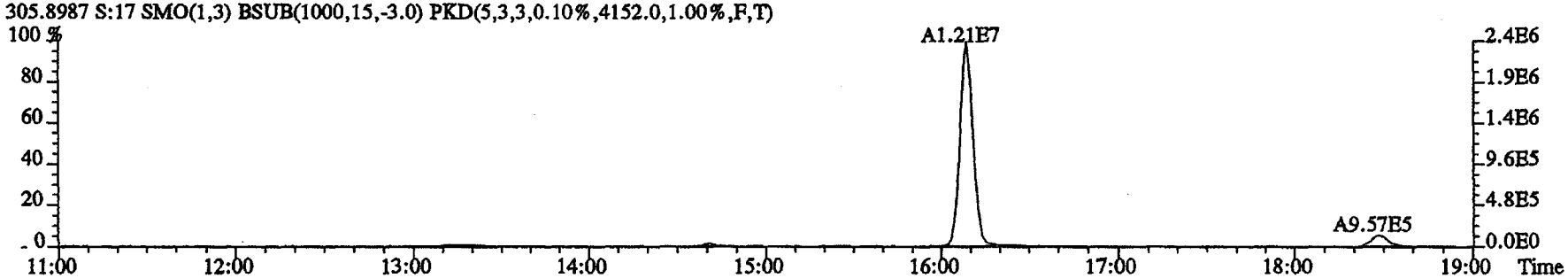



File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text:ST0421J :CS5 09DXN456 Exp:DIOXIN
375.8364 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1288.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
13:17
13:11
13:21
13:31
13:07
13:36
12:58
12:53
13:47
11:45
12:30
13:58
14:25
14:46
14:57
15:55
16:42
3.4E4
3.1E4
2.7E4
2.4E4
2.1E4
1.7E4
1.4E4
1.0E4
6.8E3
3.4E3
0.0E0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
330.9792 S:15 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
11:24
11:52
12:11
12:31
12:51
13:04
13:40
14:12
14:24
15:11
15:48
16:20
16:26
16:55
17:19
18:04
18:34
2.5E7
2.2E7
2.0E7
1.7E7
1.5E7
1.2E7
9.8E6
7.4E6
4.9E6
2.5E6
0.0E0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time

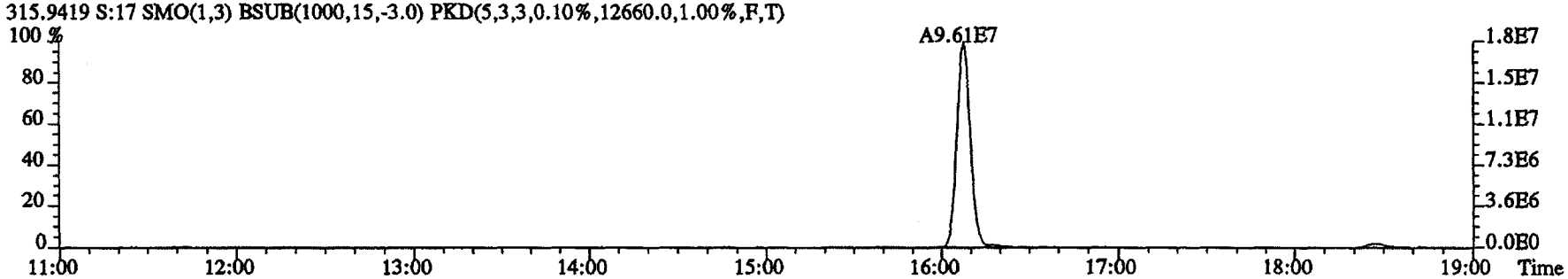
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)



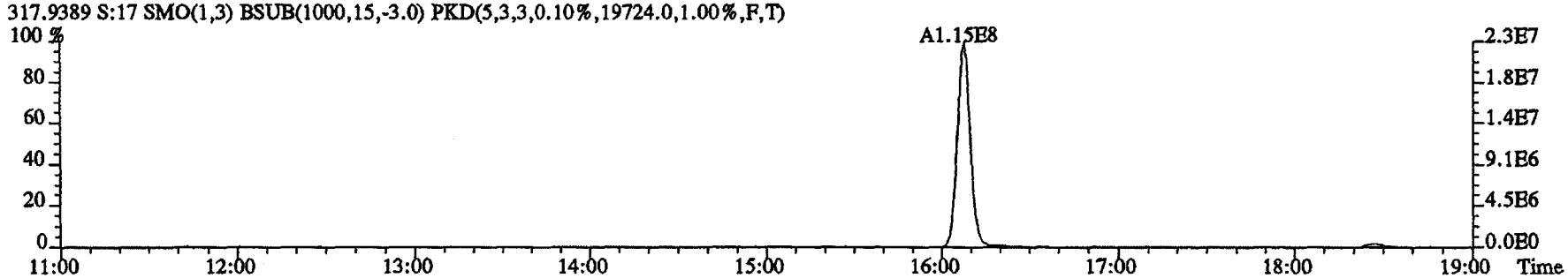
305.8987 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4152.0,1.00%,F,T)



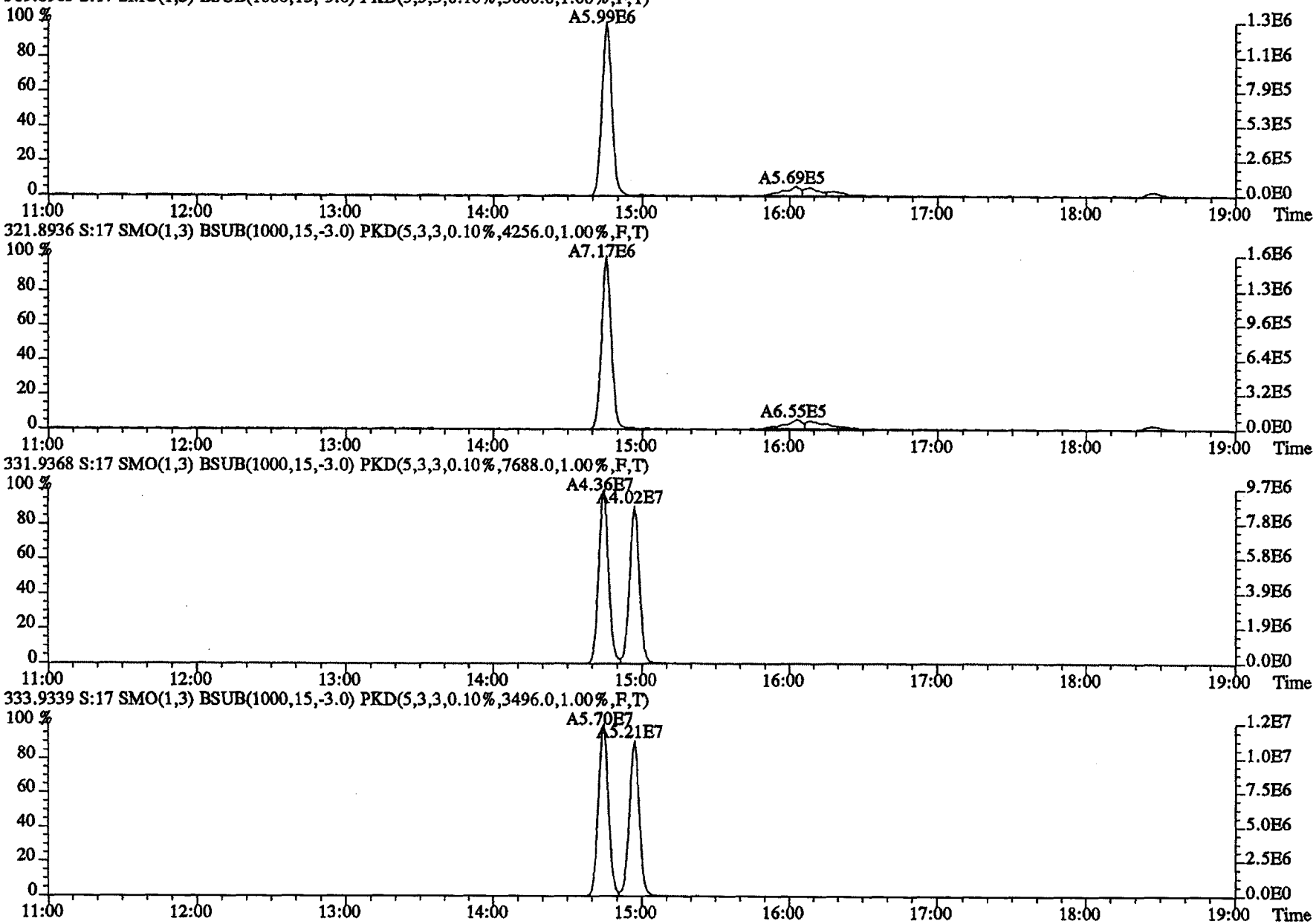
315.9419 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12660.0,1.00%,F,T)



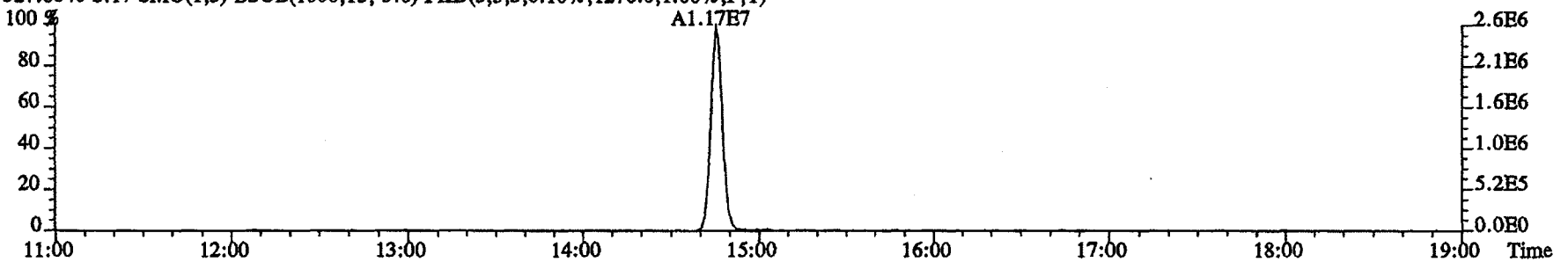
317.9389 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19724.0,1.00%,F,T)



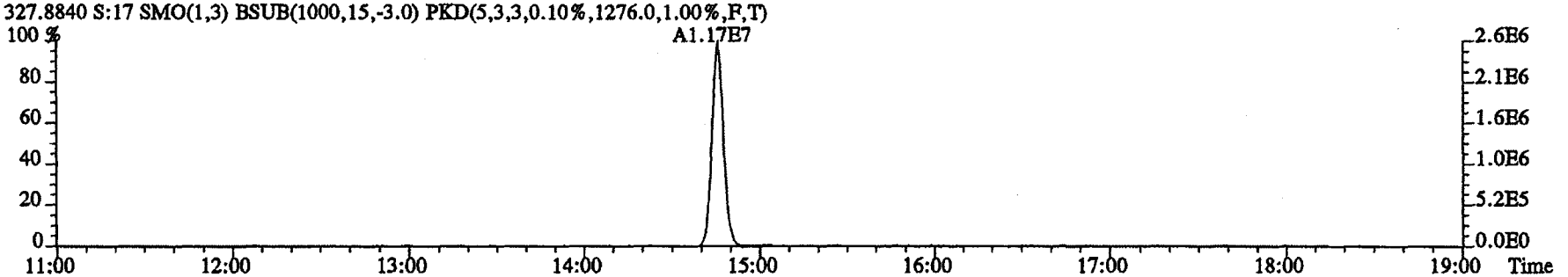
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN



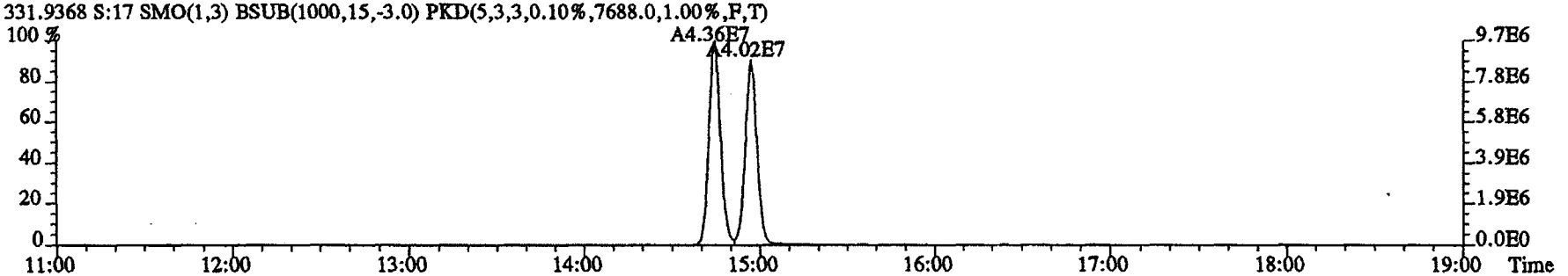
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



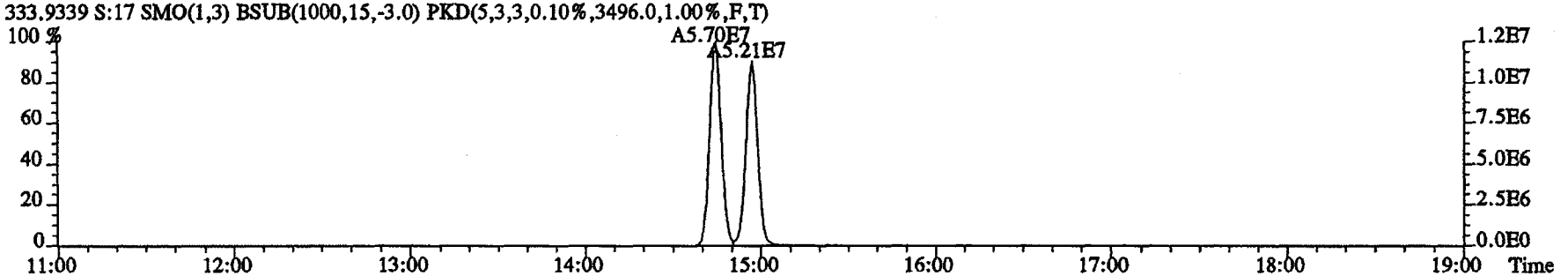
327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



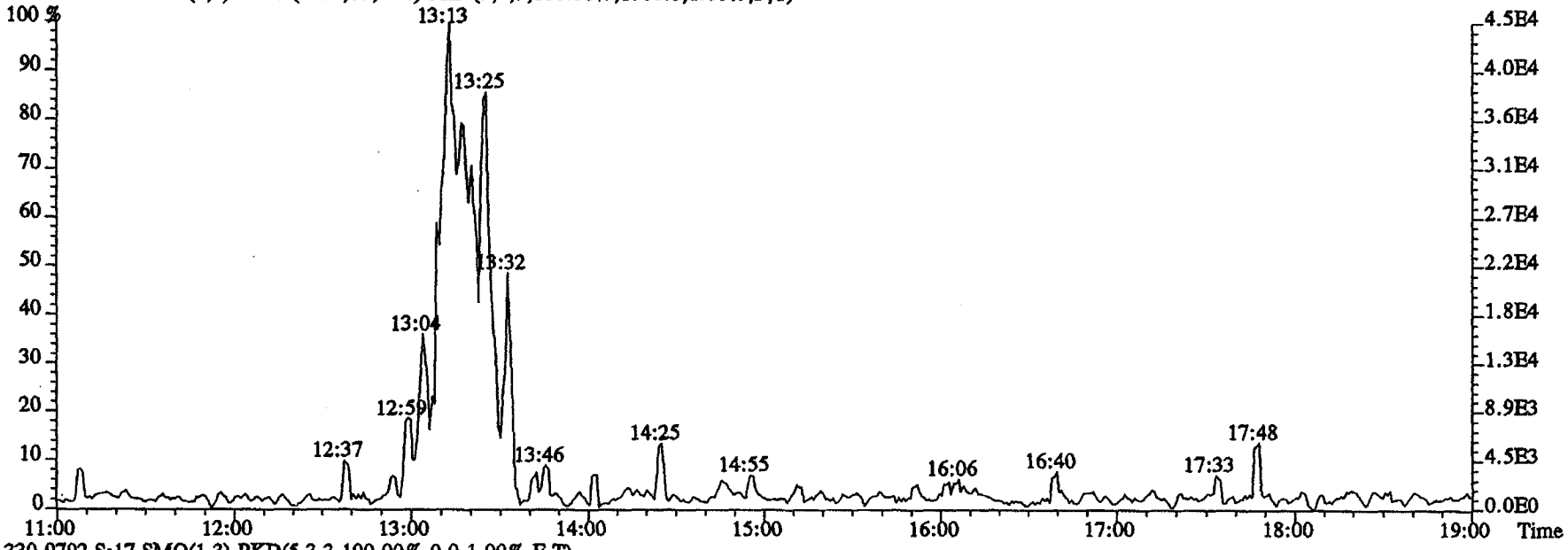
331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7688.0,1.00%,F,T)



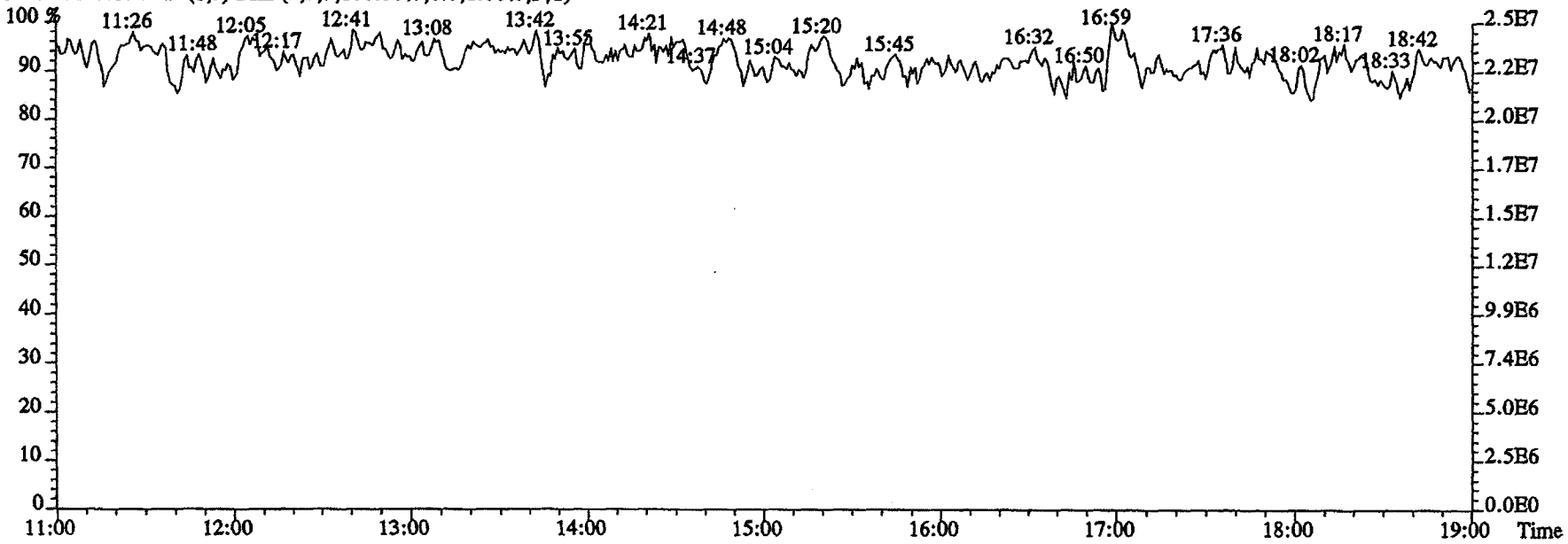
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



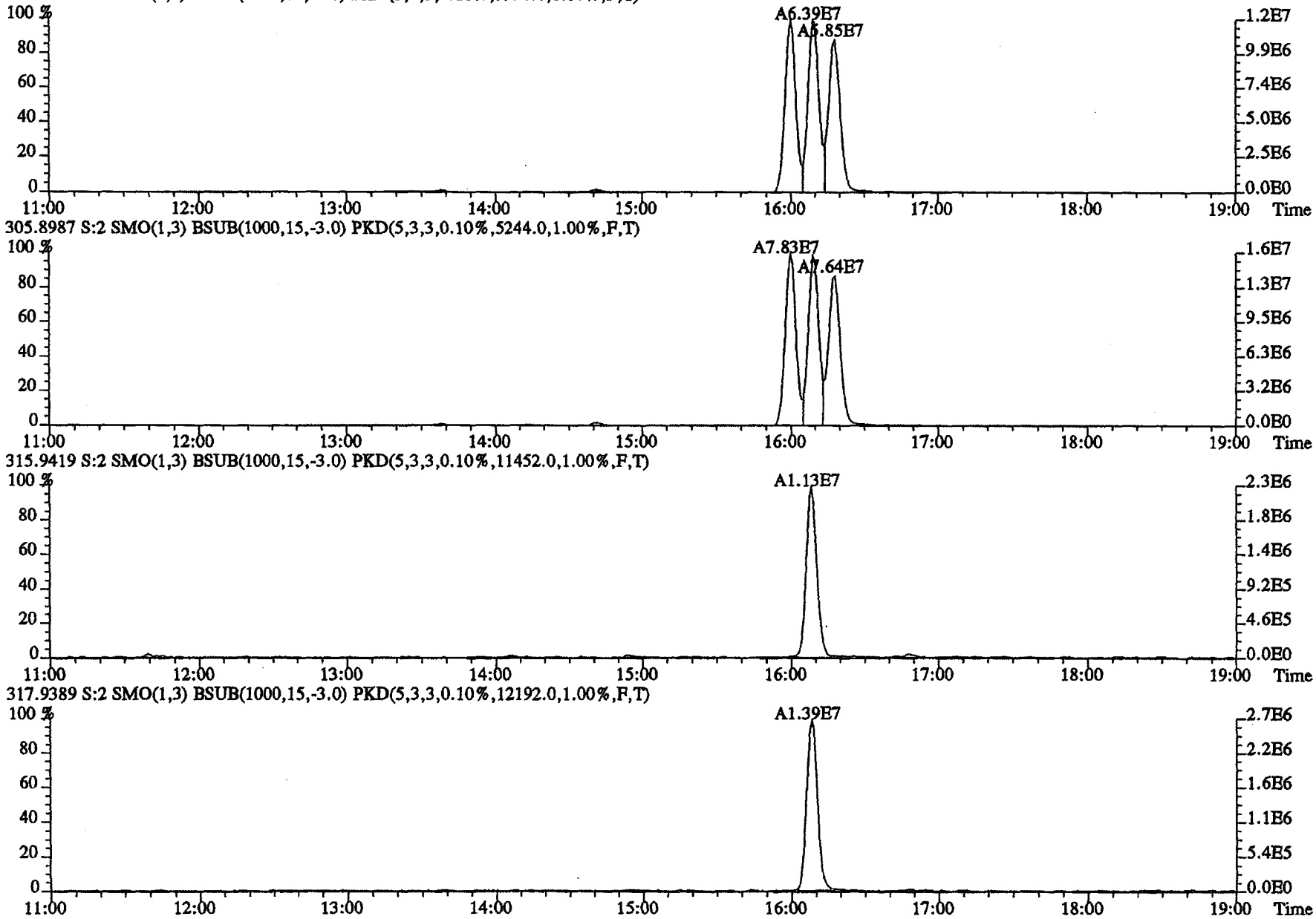
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
375.8364 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1360.0,1.00%,F,T)

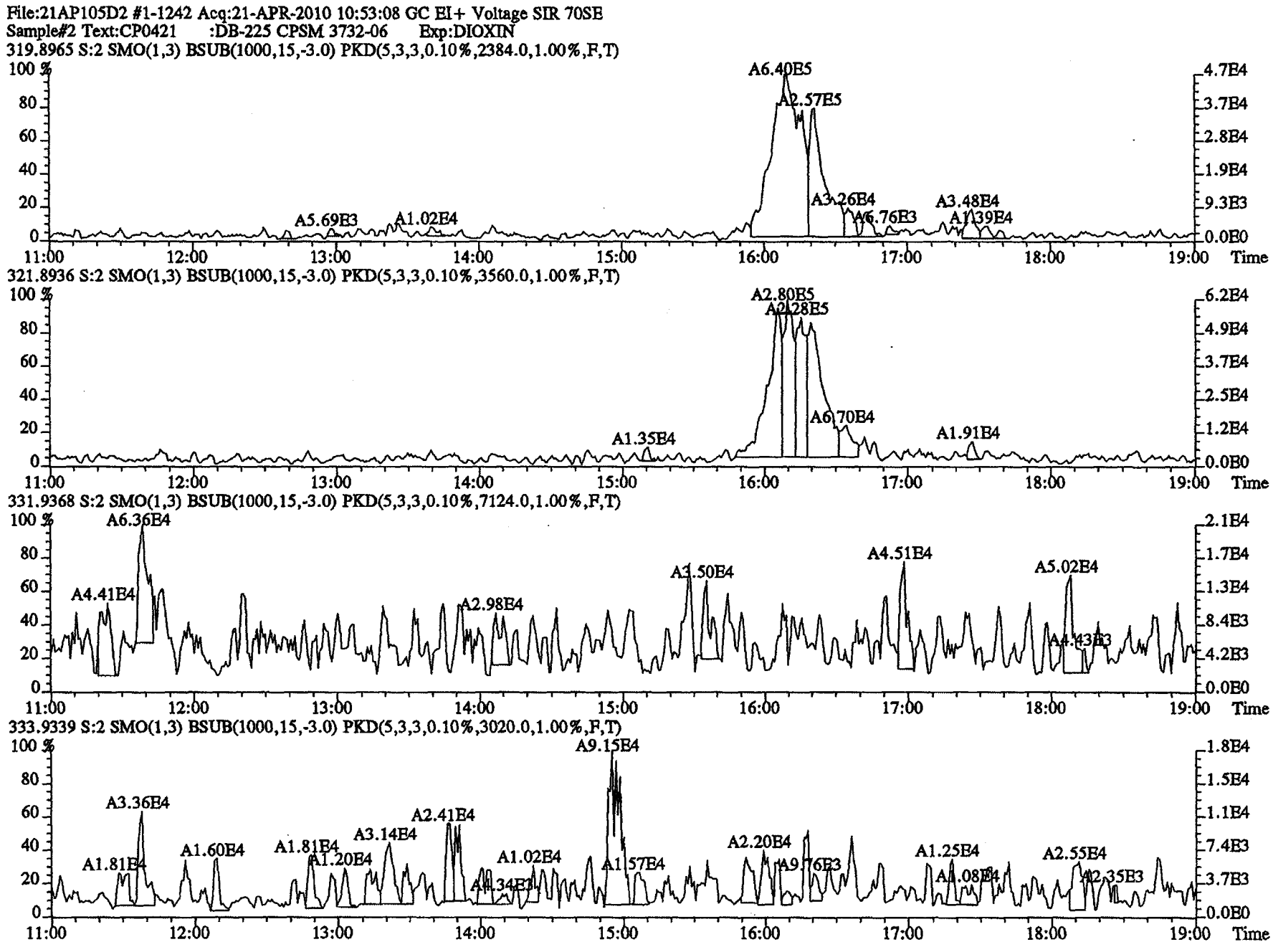


330.9792 S:17 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

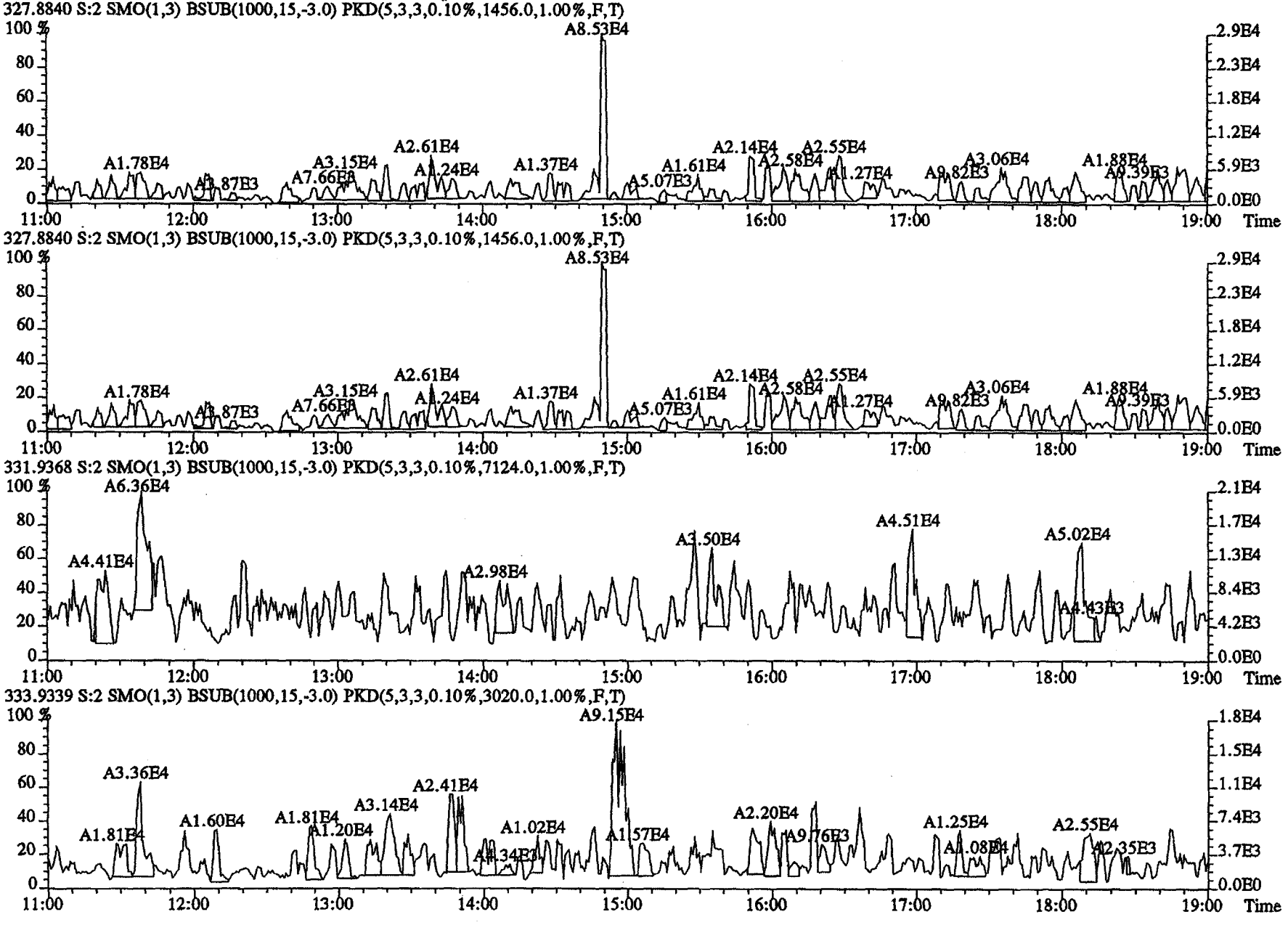


File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN

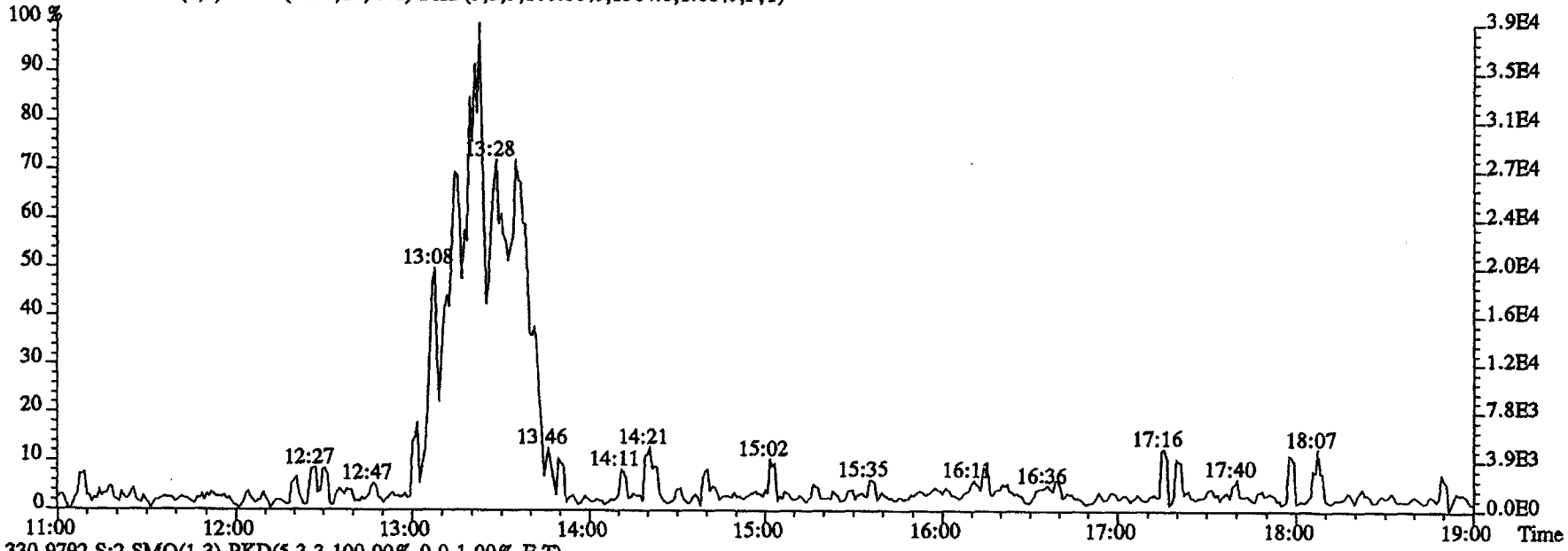




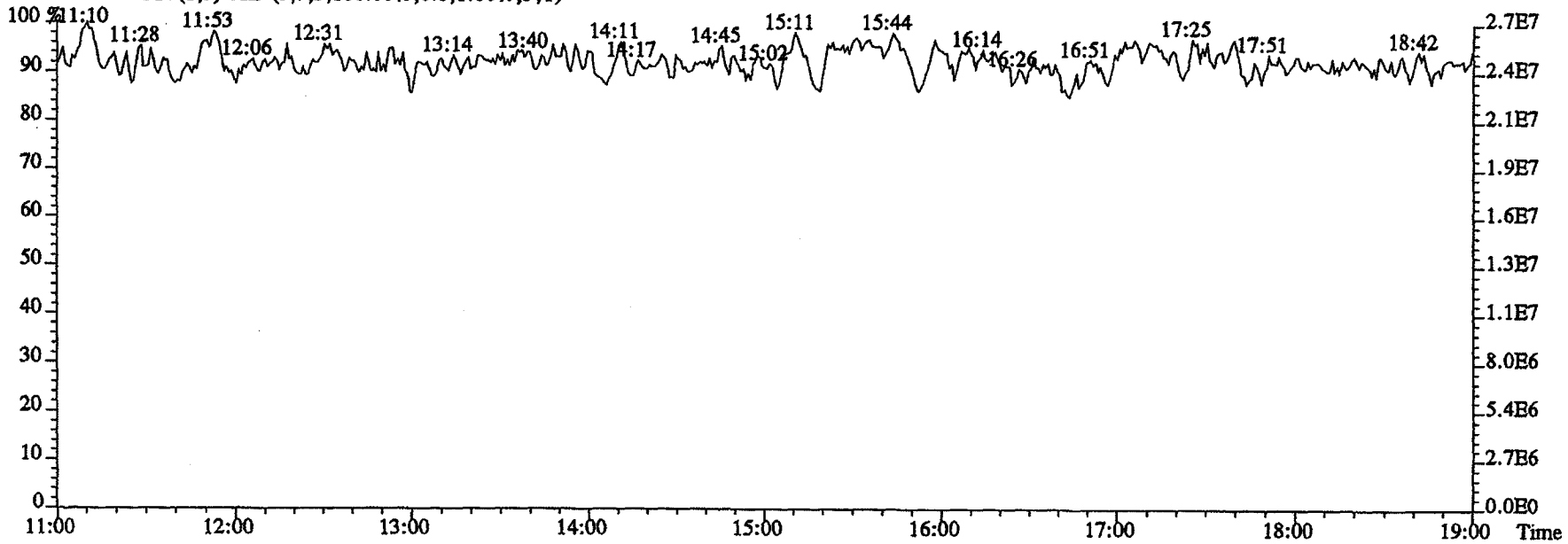
File:21AP105D2 #1-1242 Acq:21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
Sample#2 Text:CP0421 :DB-225 CPSM 3732-06 Exp:DIOXIN



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)



Test America – West Sacramento

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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

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 12AP1040D5 S: 5 I: 1

Acquired: 12-APR-10 11:32:49 Processed: 12-APR-10 13:15:07

Run: 12AP1040D5 Analyte: 8290A Cal: 8290A04121040D5

Comments:

Sample text: ST0412C :CS-5 09DXN456

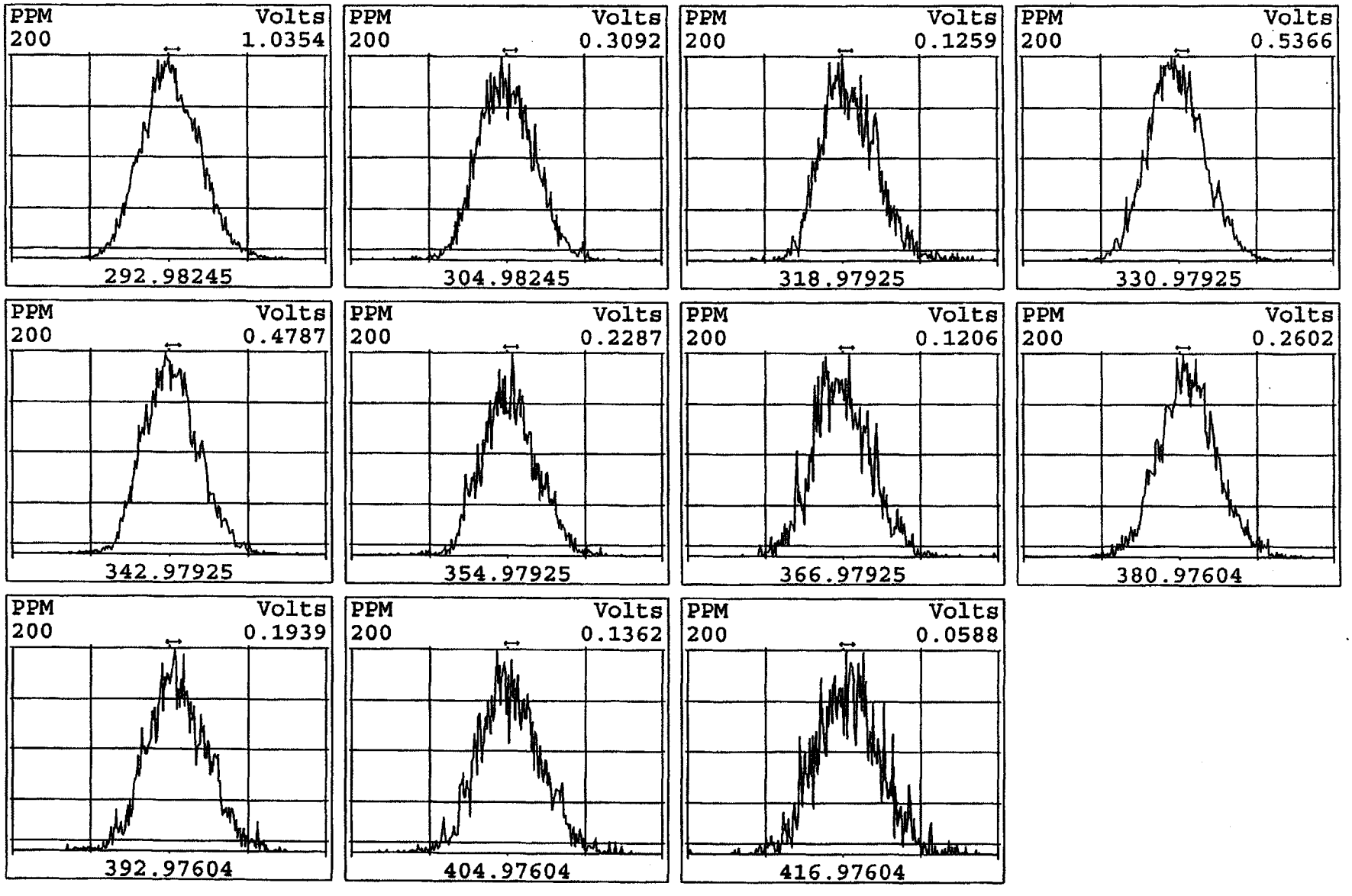
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	133027400	0.81 y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	214932900	0.77 y	19:04	1.6157	100.00	n
2,3,7,8-TCDF	420869000	0.81 y	19:05	0.9791	200.00	n
Total TCDF	-	- n	-	0.9791	200.00	n
13C-2,3,7,8-TCDD	144056100	0.81 y	19:52	1.0829	100.00	n
2,3,7,8-TCDD	302482000	0.77 y	19:54	1.0499	200.00	n
Total TCDD	-	- n	-	1.0499	200.00	n
37Cl-2,3,7,8-TCDD	68183000	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	185404000	1.52 y	24:50	1.0605	100.00	n
2,3,4,7,8-PeCDF	168077800	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	110725100	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	162934500	1.17 y	32:04	1.2298	1000.00	n
1,2,3,6,7,8-HxCDF	176140400	1.19 y	32:10	1.3295	1000.00	n
2,3,4,6,7,8-HxCDF	163431300	1.18 y	32:43	1.2336	1000.00	n
1,2,3,7,8,9-HxCDF	145831100	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	105348700	1.22 y	32:51	0.9767	1000.00	n
1,2,3,6,7,8-HxCDD	119622900	1.25 y	32:56	1.1090	1000.00	n
1,2,3,7,8,9-HxCDD	128085300	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	145421700	0.96 y	34:42	1.3239	1000.00	n
1,2,3,4,7,8,9-HpCDF	112881200	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	95424700	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	211277000	0.91 y	38:09	1.4996	2000.00	n
OCDD	165211100	0.90 y	38:03	1.1726	2000.00	n

Data File	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
12AP1040S	1	CP0412	DB-5 CPSM 3732-04				1.00000	
12AP1040S	2	ST0412	CS-3 10DXN111				1.00000	
12AP1040S	3	ST0412A	CS-2 09DXN423				1.00000	
12AP1040S	4	ST0412B	CS-1 09DXN422				1.00000	
12AP1040S	5	ST0412C	CS-5 09DXN456				1.00000	
12AP1040S	6	ST0412D	CS-4 09DXN426				1.00000	
12AP1040S	7	ST0412E	2nd Source 09DXN449				1.00000	
12AP1040S	8	ST0412F	CS-3 10DXN111				1.00000	
12AP1040S	9	CP0412A	DB-5 CPSM 3732-04				1.00000	
12AP1040S	10	SB0412	Solvent Blank C-14				1.00000	
12AP1040S	11	LXH9B-1-AA	G0D050000-198B	20	8290A/WATER	V-1	1.00000	L
12AP1040S	12	LXH9B-1-AC	G0D050000-198C	20	8290A/WATER		1.00000	L
12AP1040S	13	LXFLQ-1-AA	C0D0105641-13	20	8290A/WATER		1.04090	L
12AP1040S	14	LXMQP-1-AC	G0D070000-424C	20	8290A/SOLID		10.00000	g
12AP1040S	15	LXMQP-1-AA	G0D070000-424B	20	8290A/SOLID		10.00000	g
12AP1040S	16	LXFKR-1-AA	C0D0105641-1	20	8290A/SOLID		10.96000	g
12AP1040S	17	LXFKX-1-AA	C0D0105642-2	20	8290A/SOLID		10.00000	g
12AP1040S	18	LXFK2-1-AA	C0D0105643-3	20	8290A/SOLID		10.45000	g
12AP1040S	19	LXFK7-1-AA	C0D0105644-4	20	8290A/SOLID		10.83000	g
12AP1040S	20	LXFLA-1-AA	C0D0105645-5	20	8290A/SOLID		10.37000	g
12AP1040S	21	LXFLC-1-AA	C0D0105646-6	20	8290A/SOLID		10.75000	g
12AP1040S	22	LXFLD-1-AA	C0D0105647-7	20	8290A/SOLID		10.36000	g
12AP1040S	23	LXFLD-1-AD	C0D0105647-7S	20	8290A/SOLID		10.12000	g
12AP1040S	24	LXFLD-1-AE	C0D0105647-7D	20	8290A/SOLID		10.69000	g
12AP1040S	25	SB0412A	Solvent Blank C-14				1.00000	
12AP1040S	26	ST0412G	CS-3 10DXN111				1.00000	
12AP1040S	27	CP0412B	DB-5 CPSM 3732-04				1.00000	
12AP1040S	28	SB0412B	Solvent Blank C-14				1.00000	
12AP1040S	29	LXFLB-1-AA	C0D0105648-8	20	8290A/SOLID	V-1	10.54000	g
12AP1040S	30	LXFLF-1-AA	C0D0105649-9	20	8290A/SOLID		10.12000	g
12AP1040S	31	LXFLG-1-AA	C0D0105640-10	20	8290A/SOLID		10.98000	g
12AP1040S	32	LXFLK-1-AA	C0D0105641-11	20	8290A/SOLID		10.17000	g
12AP1040S	33	LXFLM-1-AA	C0D0105642-12	20	8290A/SOLID		10.94000	g
12AP1040S	34	LXFK2-1-AA	C0D0105643-3 (20x)	20	8290A/SOLID		10.45000	g
12AP1040S	35	LXFLF-1-AA	C0D0105649-9 RI	20	8290A/SOLID		10.12000	g
12AP1040S	36	LXFLG-1-AA	C0D0105640-10 (20x)	20	8290A/SOLID		10.98000	g
12AP1040S	37	LXFLC-1-AA	C0D0105646-6 (50x)	20	8290A/SOLID		10.75000	g
12AP1040S	38	LXFLK-1-AA	C0D0105641-11 (50x)	20	8290A/SOLID		10.17000	g
12AP1040S	39	LXFLE-1-AA	C0D0105648-8 (100x)	20	8290A/SOLID		10.54000	g
12AP1040S	40	LXFLD-1-AA	C0D0105647-7 (100x)	20	8290A/SOLID		10.36000	g
12AP1040S	41	LXFLM-1-AA	C0D0105642-12 (100x)	20	8290A/SOLID		10.94000	g
12AP1040S	42	LXFLE-1-AA	C0D0105648-8 (100x) RI	20	8290A/SOLID		10.54000	g
12AP1040S	43	SB0412C	Solvent Blank C-14				1.00000	
12AP1040S	44	SB0412D	Solvent Blank C-14				1.00000	
12AP1040S	45	ST0412H	CS-3 10DXN111				1.00000	
12AP1040S	46	CP0412C	DB-5 CPSM 3732-04				1.00000	
12AP1040S	47	SB0412E	Solvent Blank C-14				1.00000	
12AP1040S	48	LXFK2-1-AA	C0D0105643-3 (20x) RI	20	8290A/SOLID	V-1	10.45000	g
12AP1040S	49	LXFLG-1-AA	C0D0105640-10 (20x) RI	20	8290A/SOLID		10.98000	g
12AP1040S	50	LXFLC-1-AA	C0D0105646-6 (50x) RI	20	8290A/SOLID		10.75000	g
12AP1040S	51	LXFLK-1-AA	C0D0105641-11 (50x) RI	20	8290A/SOLID		10.17000	g
12AP1040S	52	SB0412F	Solvent Blank C-14				1.00000	
12AP1040S	53	ST0412I	CS-3 10DXN111				1.00000	

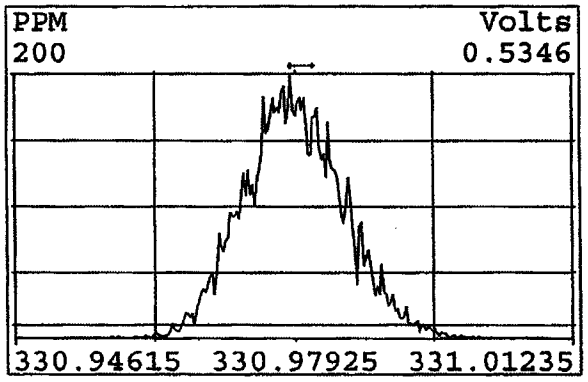
12AP104DS	54		1.00000
12AP104DS	55		1.00000
12AP104DS	56		1.00000
12AP104DS	57	MG 04/12/10	1.00000

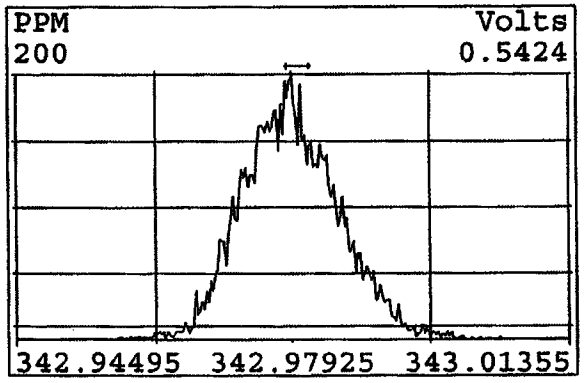
✓ Ar 4/14/10

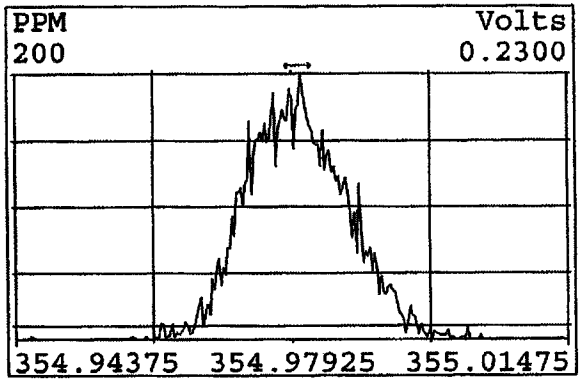
Peak Locate Examination:12-APR-2010:08:26 File:12AP104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

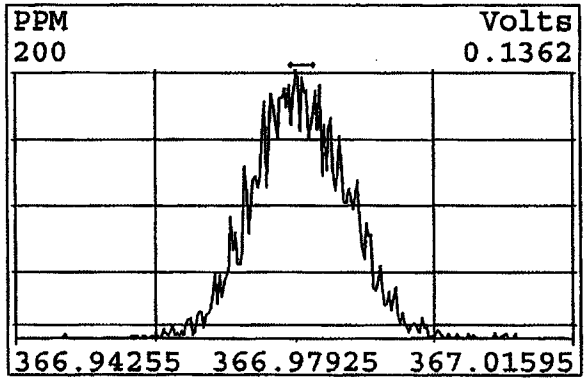


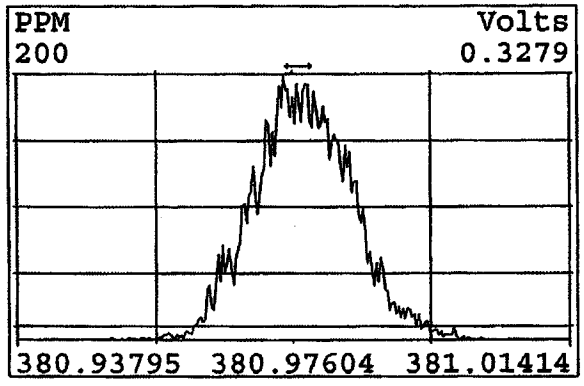
Peak Locate Examination:12-APR-2010:08:26 File:12AP104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

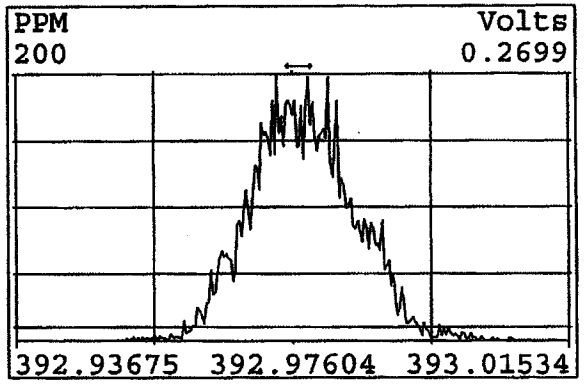


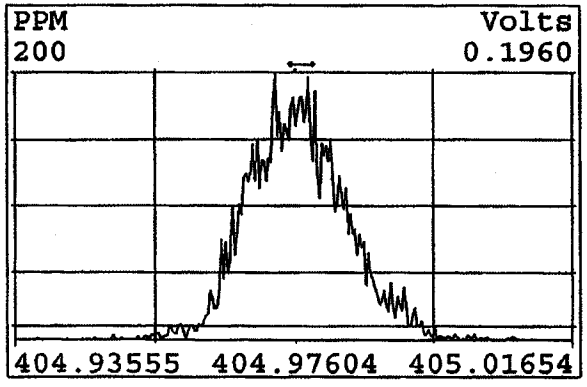


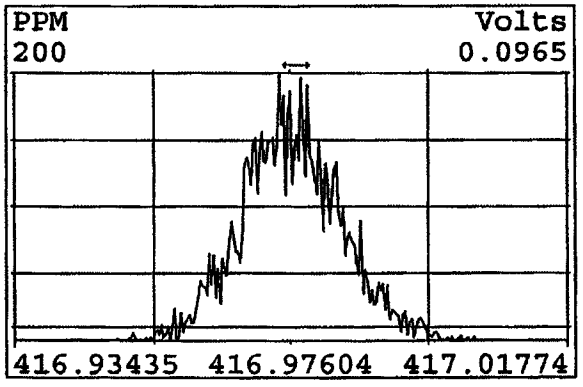




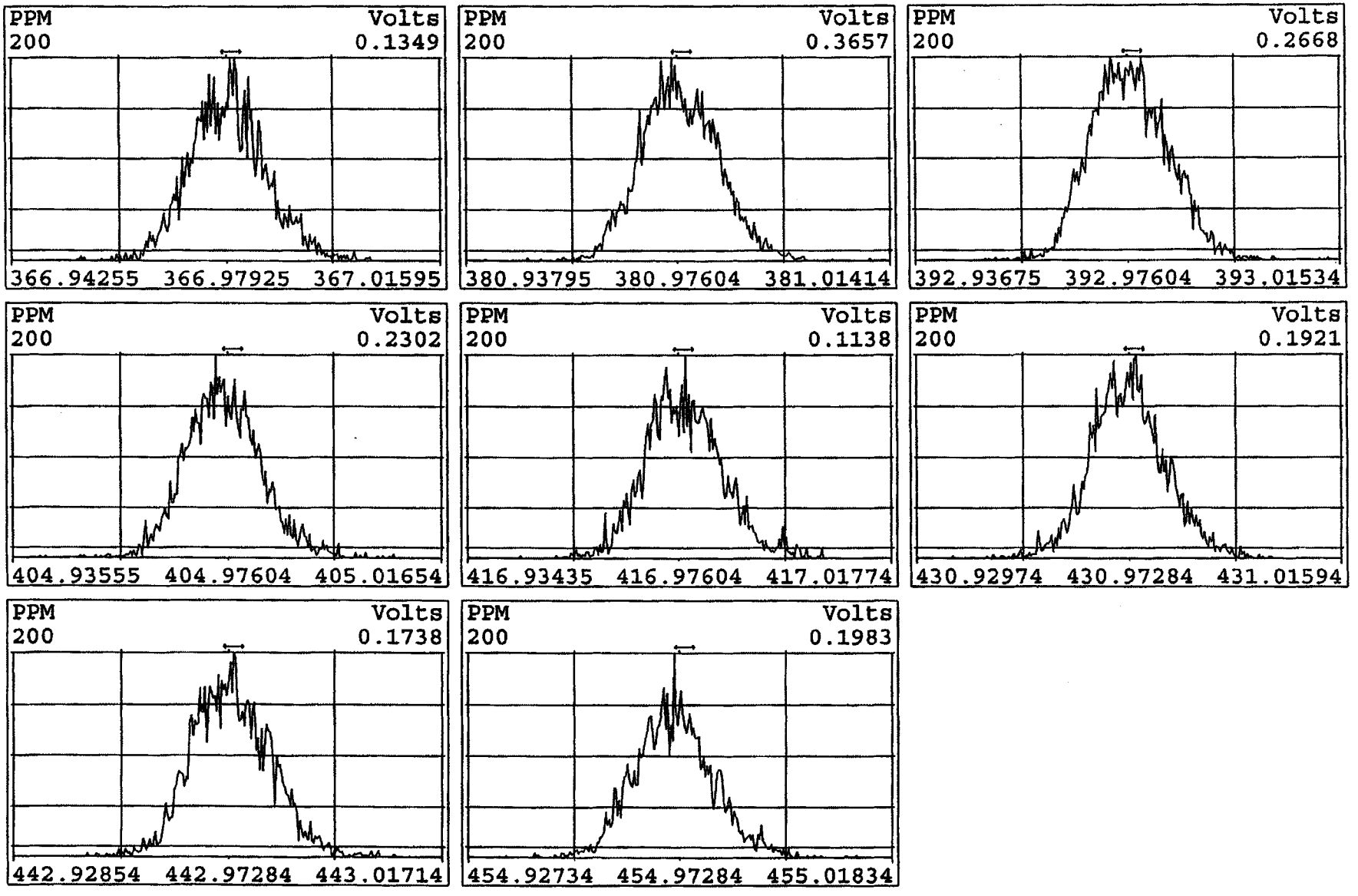




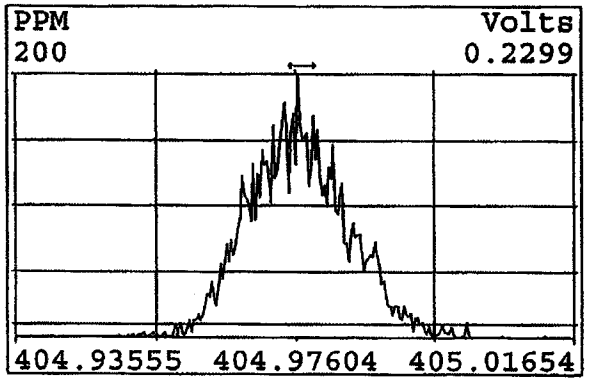


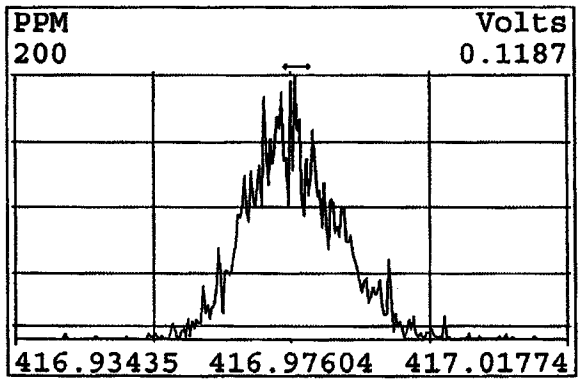


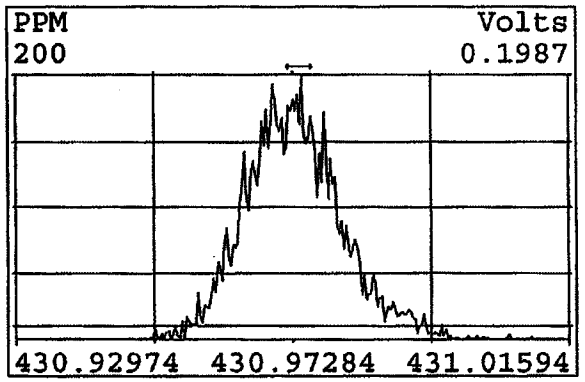
Peak Locate Examination:12-APR-2010:08:27 File:12AP104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

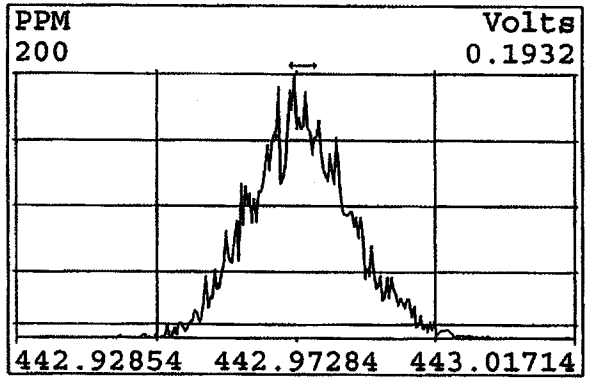


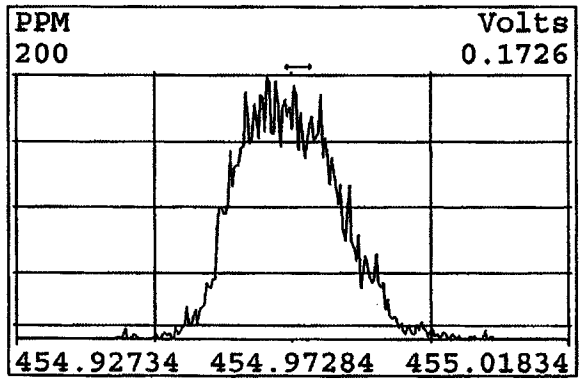
Peak Locate Examination:12-APR-2010:08:27 File:12AP104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

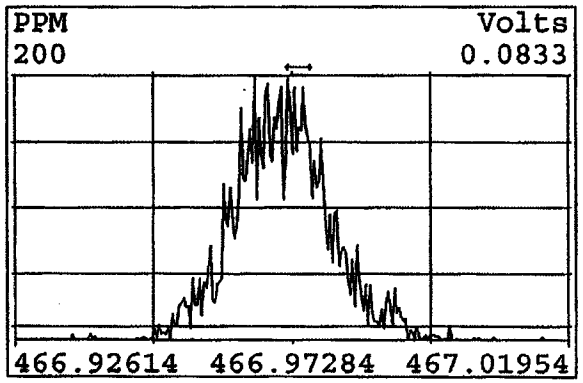


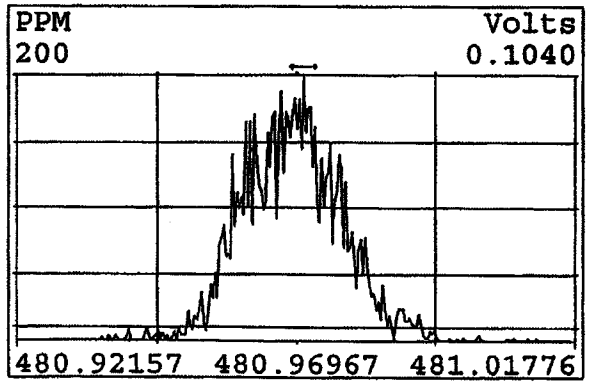




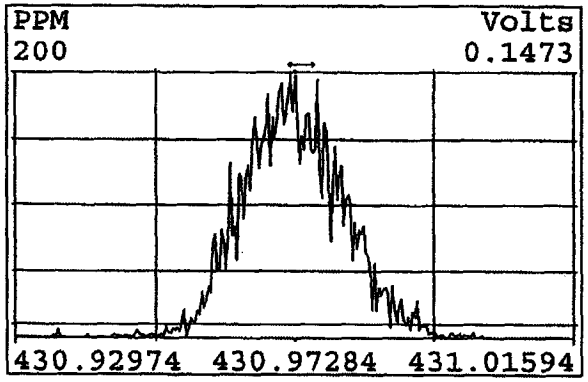


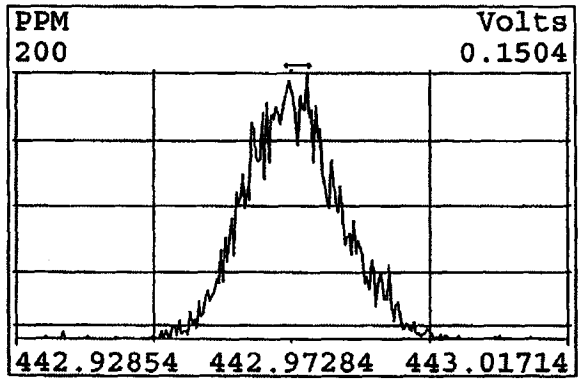


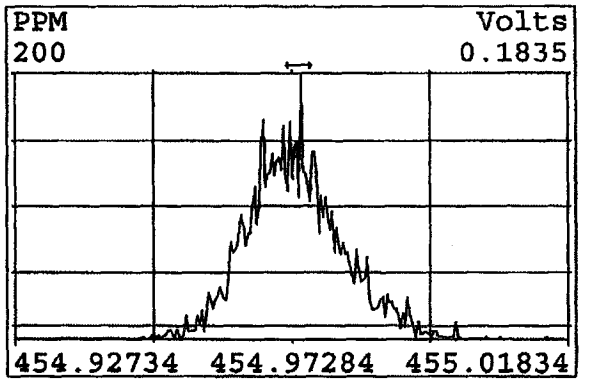


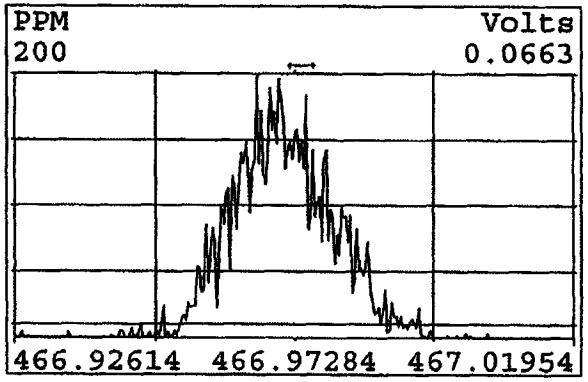


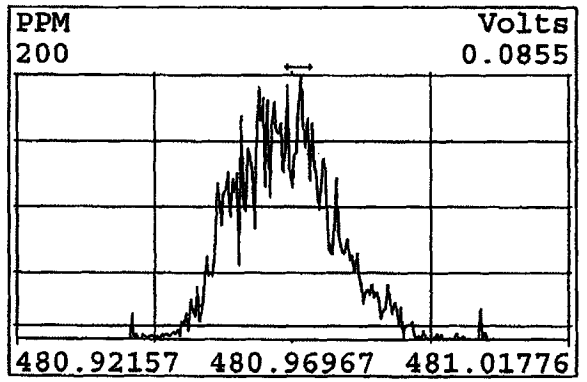
Peak Locate Examination:12-APR-2010:08:28 File:12AP104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

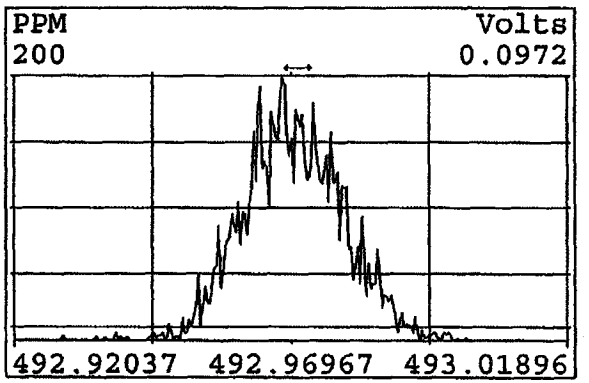


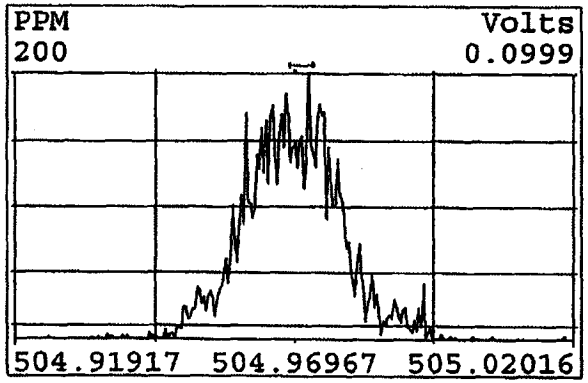


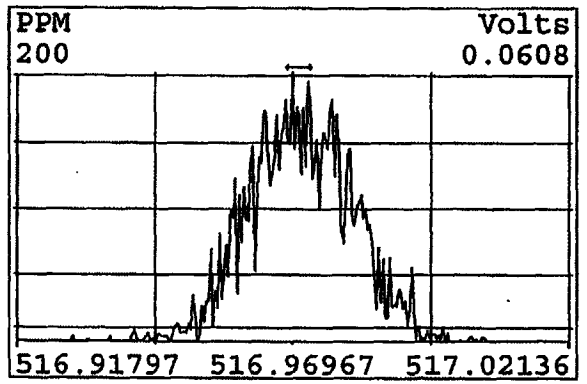




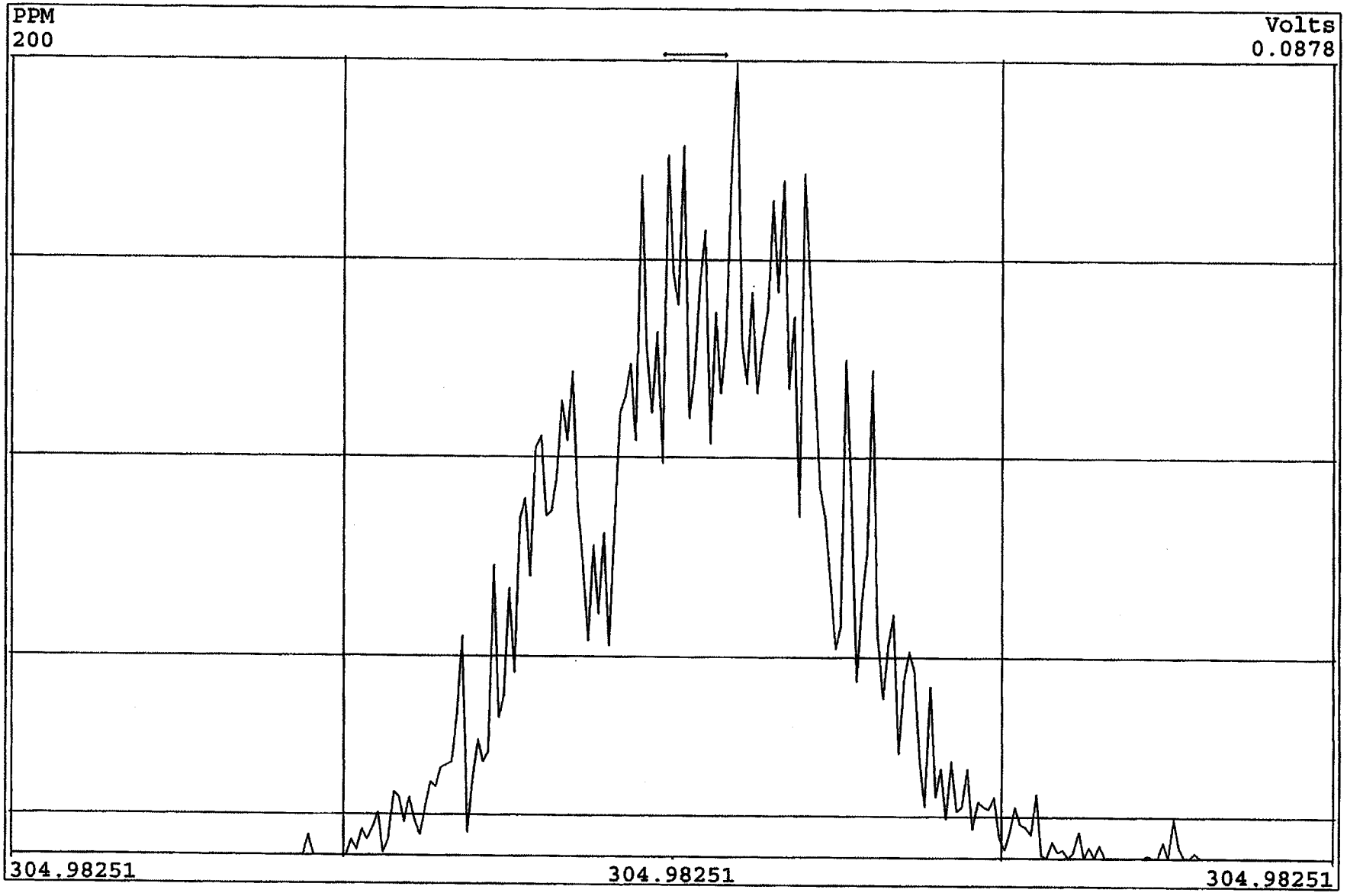




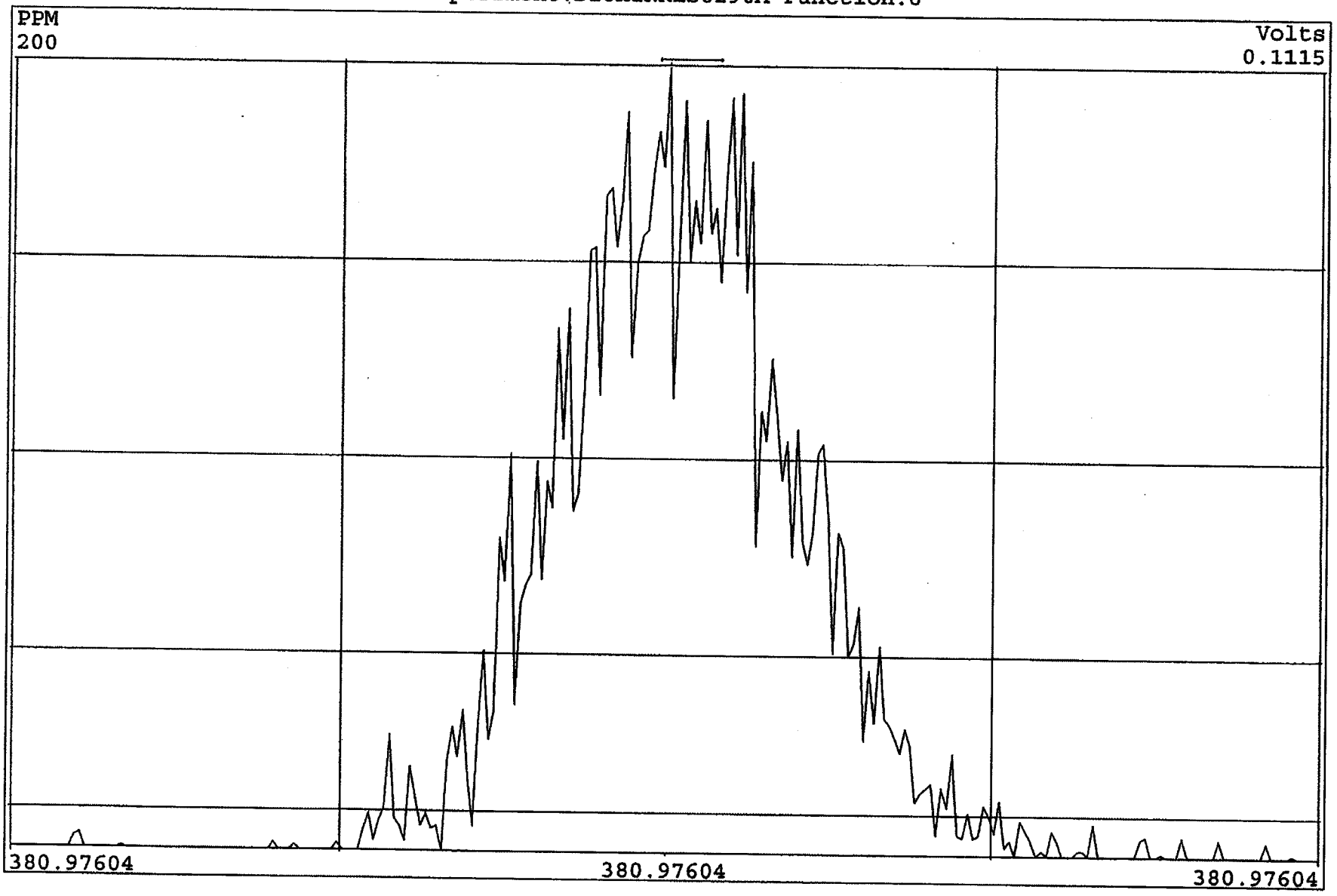




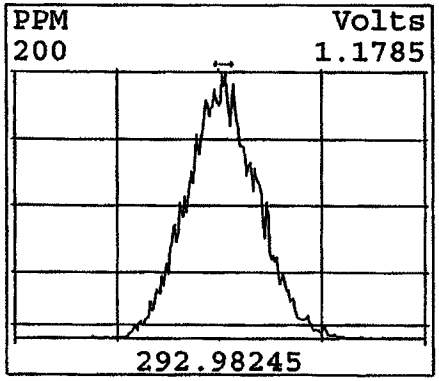
SIRLM Examination:12-APR-2010:14:26 File:12AP104D5
Experiment:DIOXINRES8290A Function:7

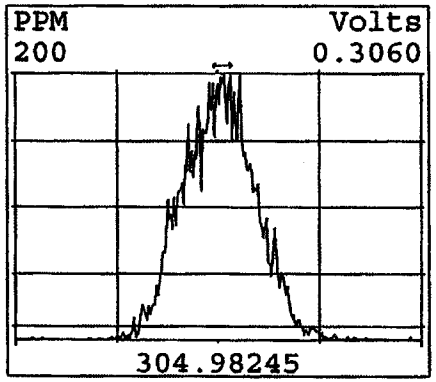


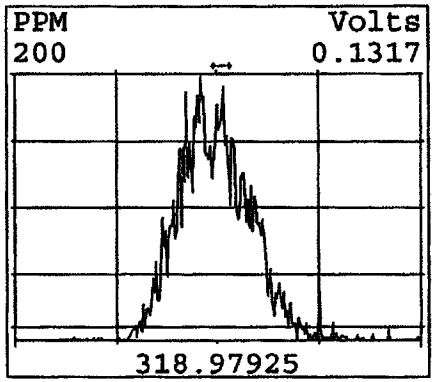
SIRLM Examination:12-APR-2010:14:25 File:12AP104D5
Experiment:DIOXINRES8290A Function:6

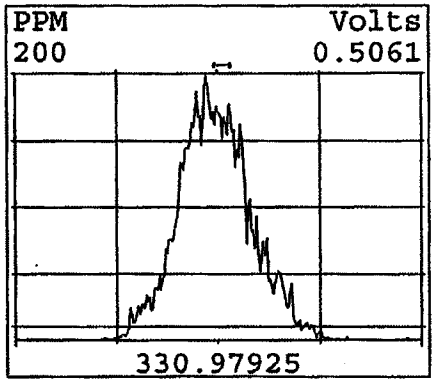


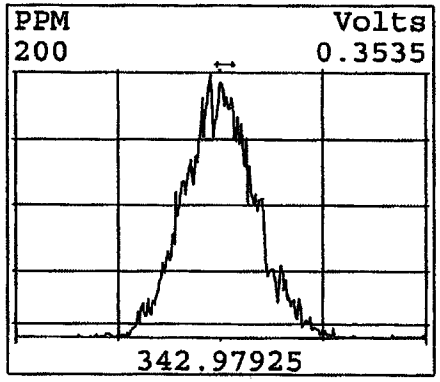
Peak Locate Examination:14-APR-2010:00:00 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK

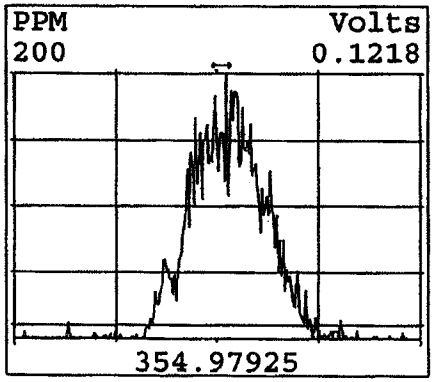


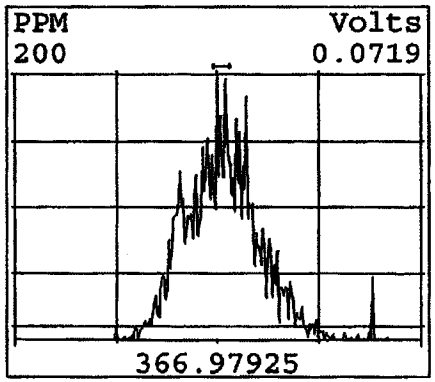


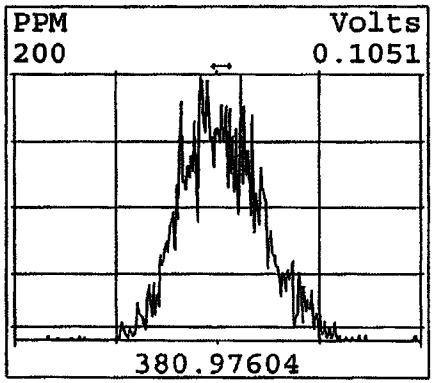


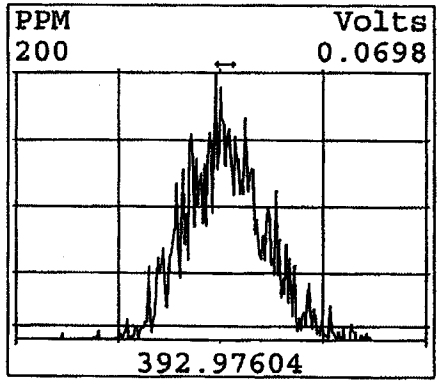


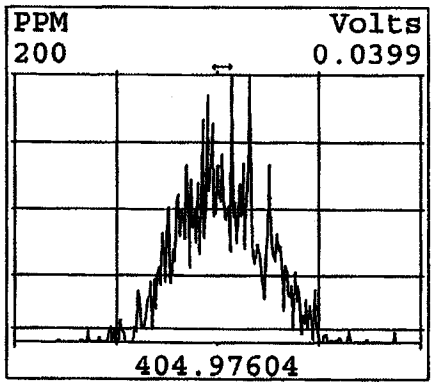


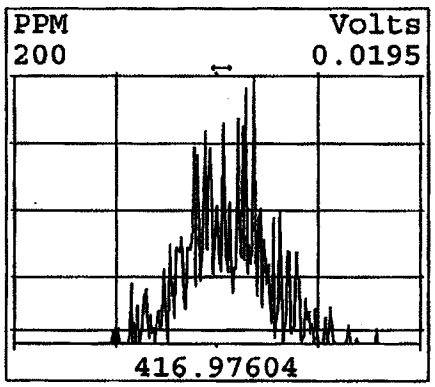




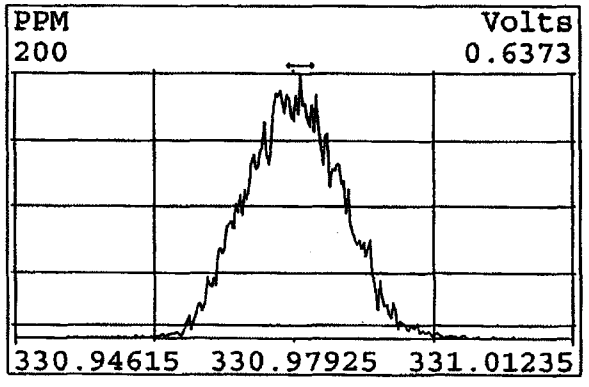


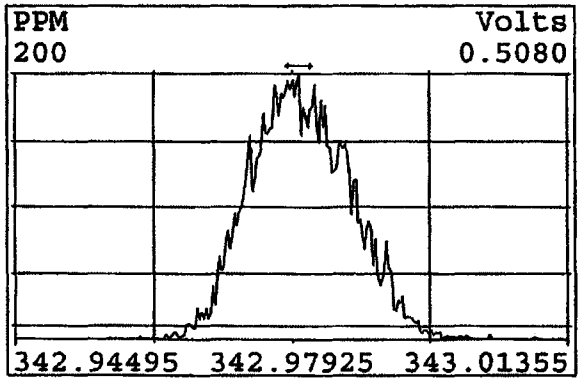


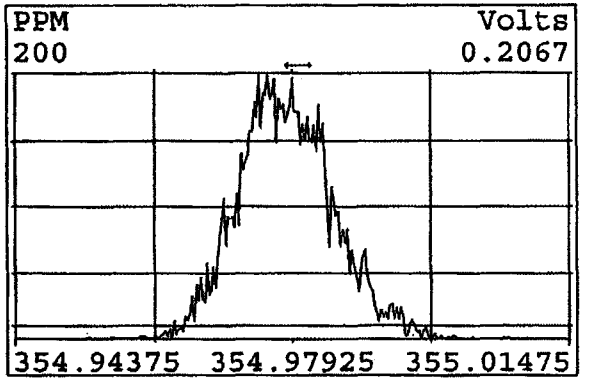


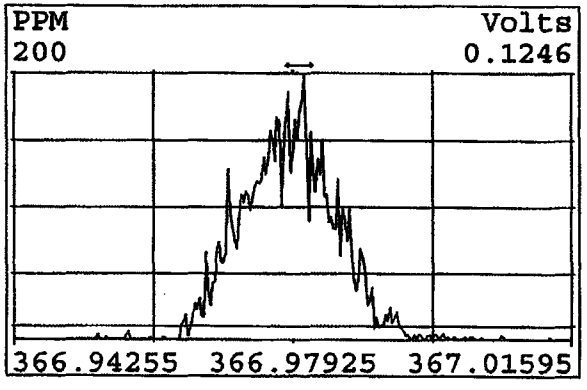


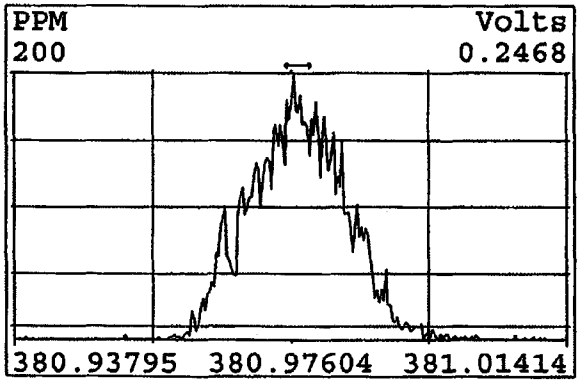
Peak Locate Examination:14-APR-2010:00:01 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:2 Reference:PFK

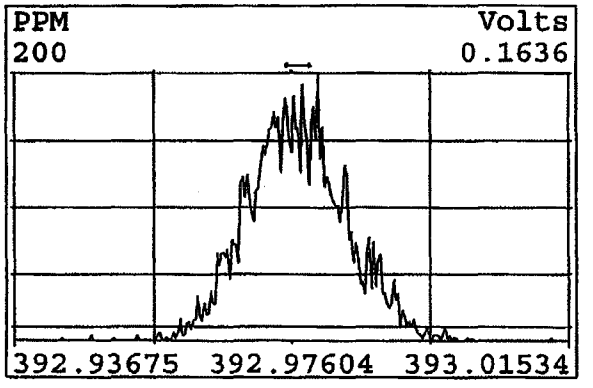


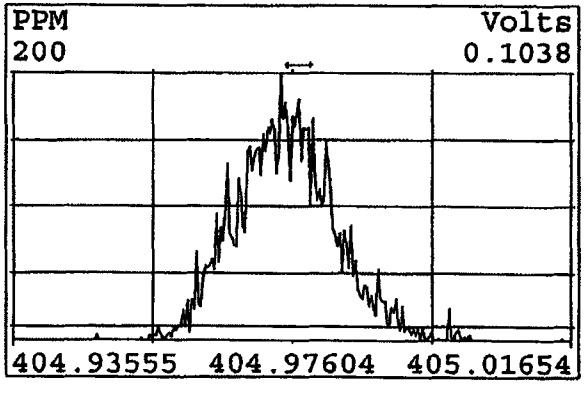


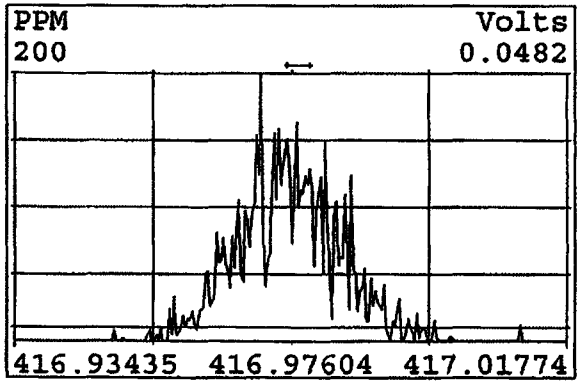




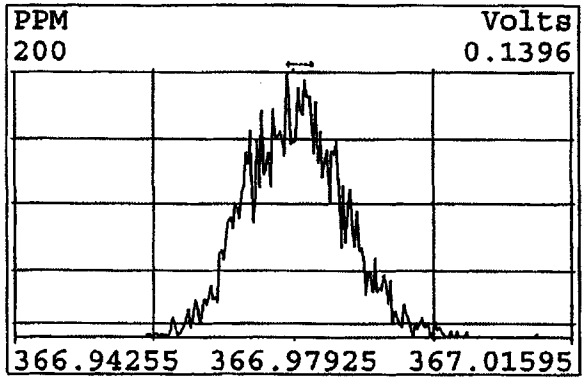


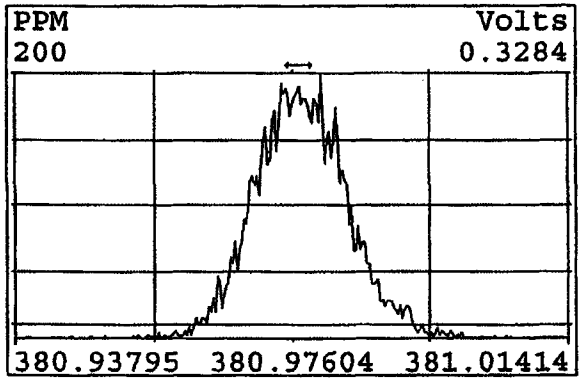


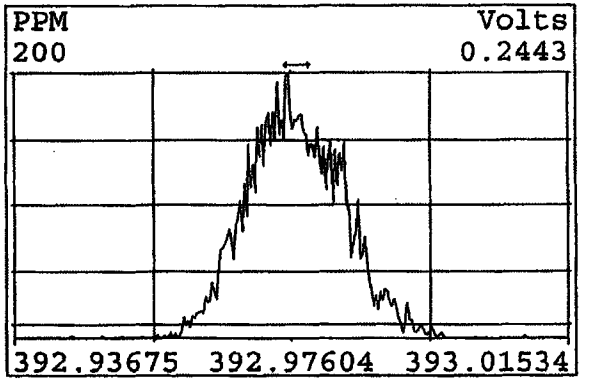


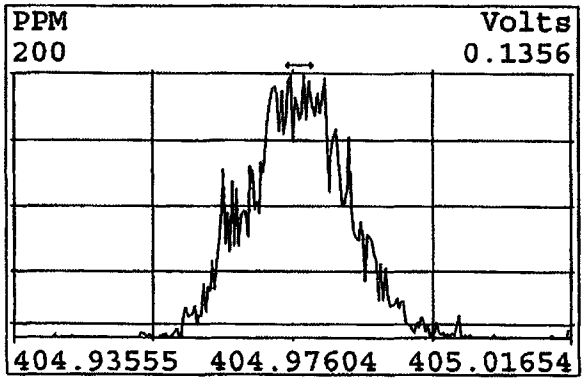


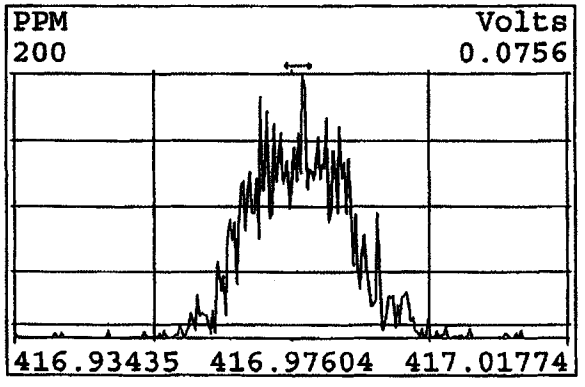
Peak Locate Examination:14-APR-2010:00:01 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:3 Reference:PFK

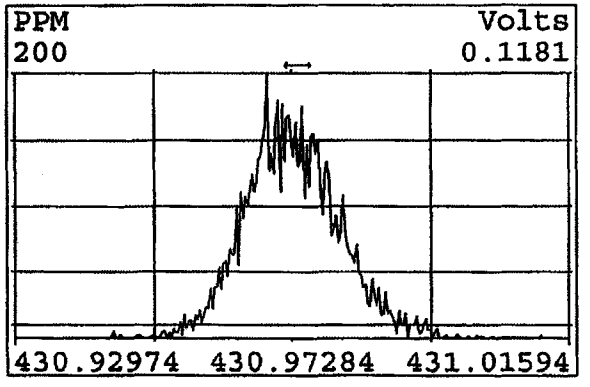


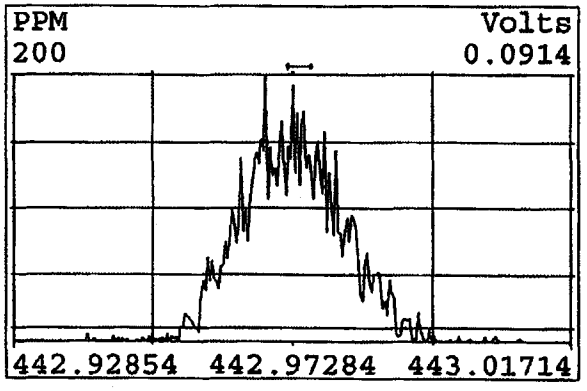


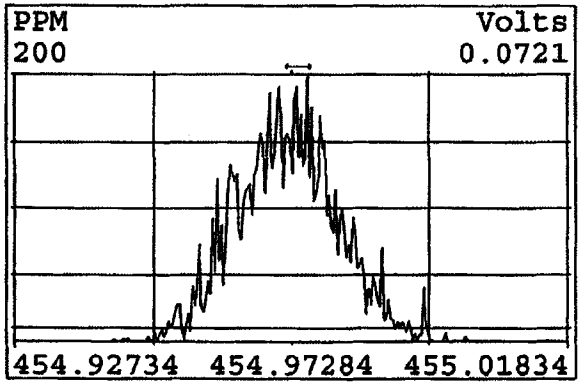




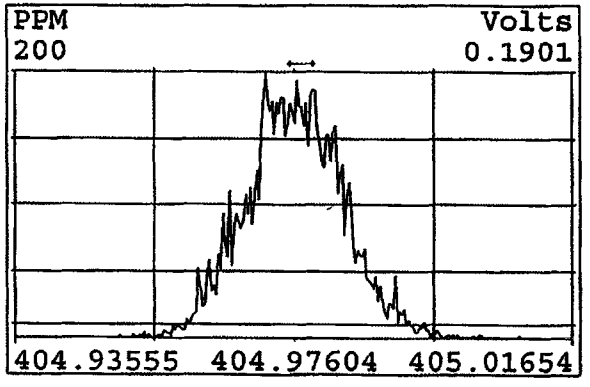


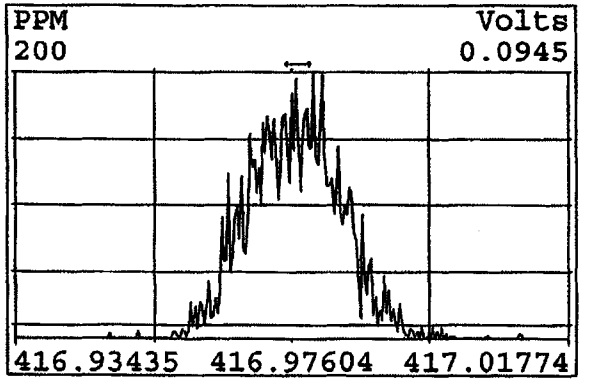


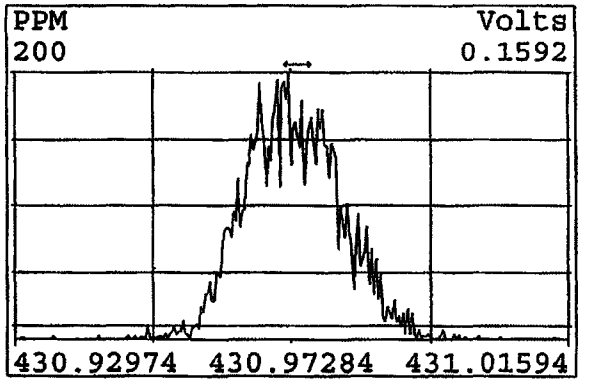


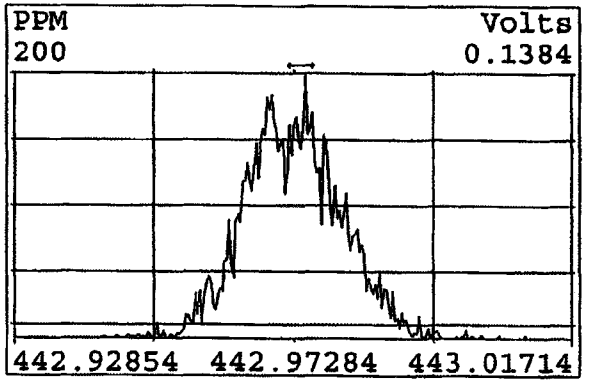


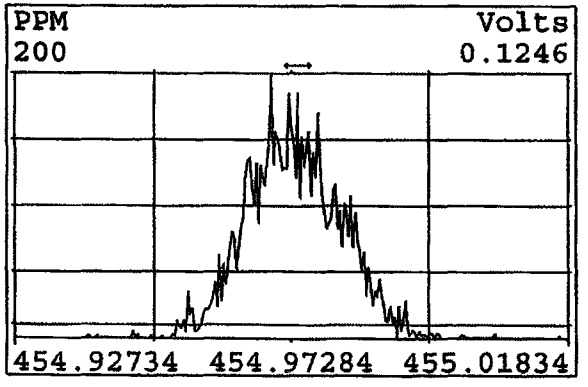
Peak Locate Examination:14-APR-2010:00:02 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:4 Reference:PFK

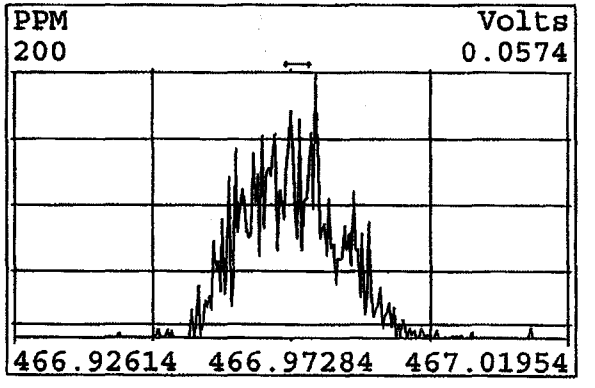


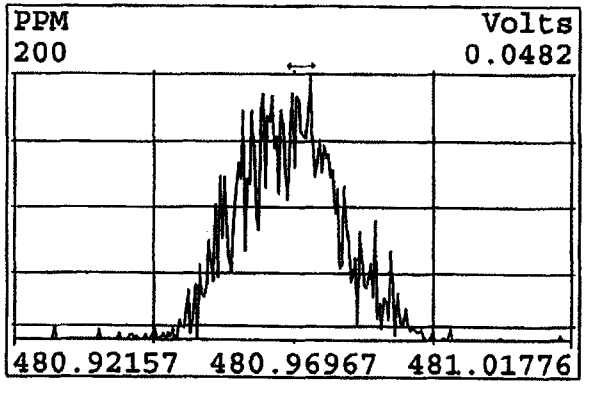




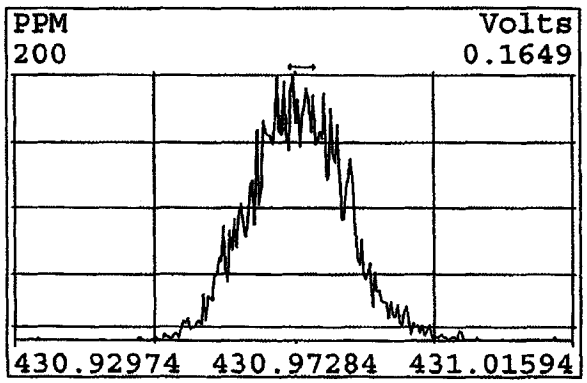


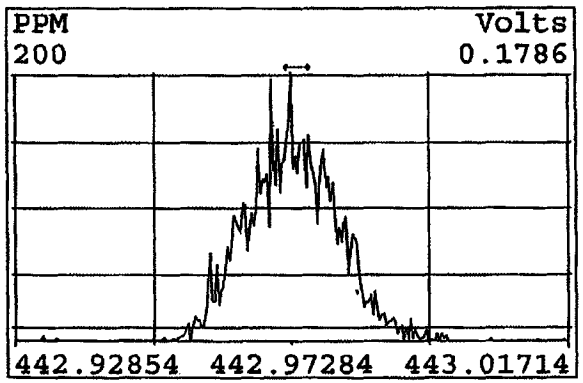


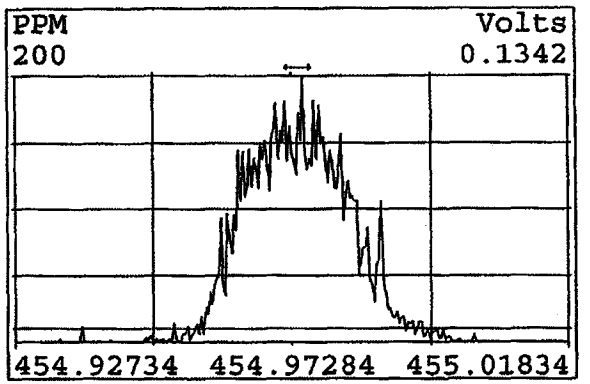


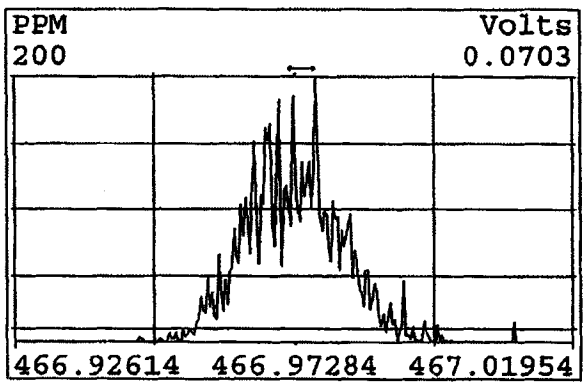


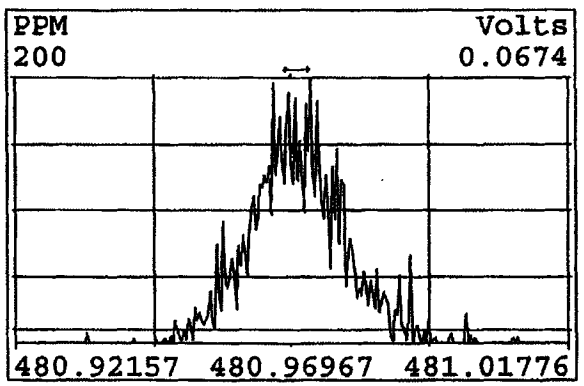
Peak Locate Examination:14-APR-2010:00:03 File:RESCHK12AP104D5
Experiment:DIOXINRES8290A Function:5 Reference:PFK

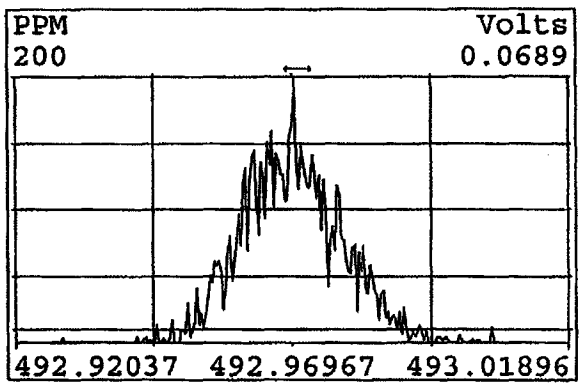


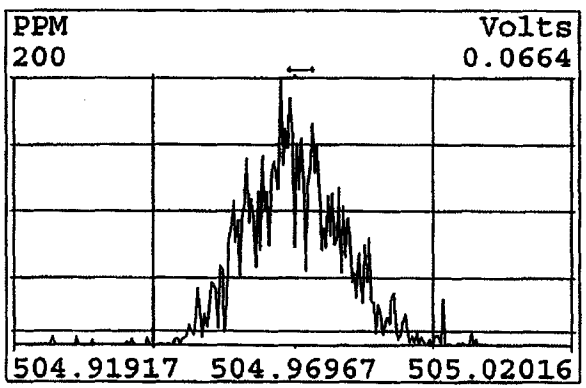


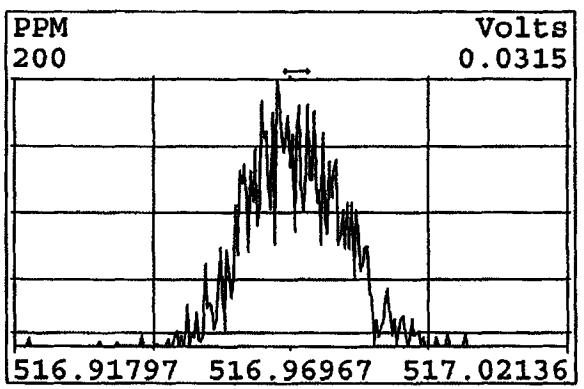




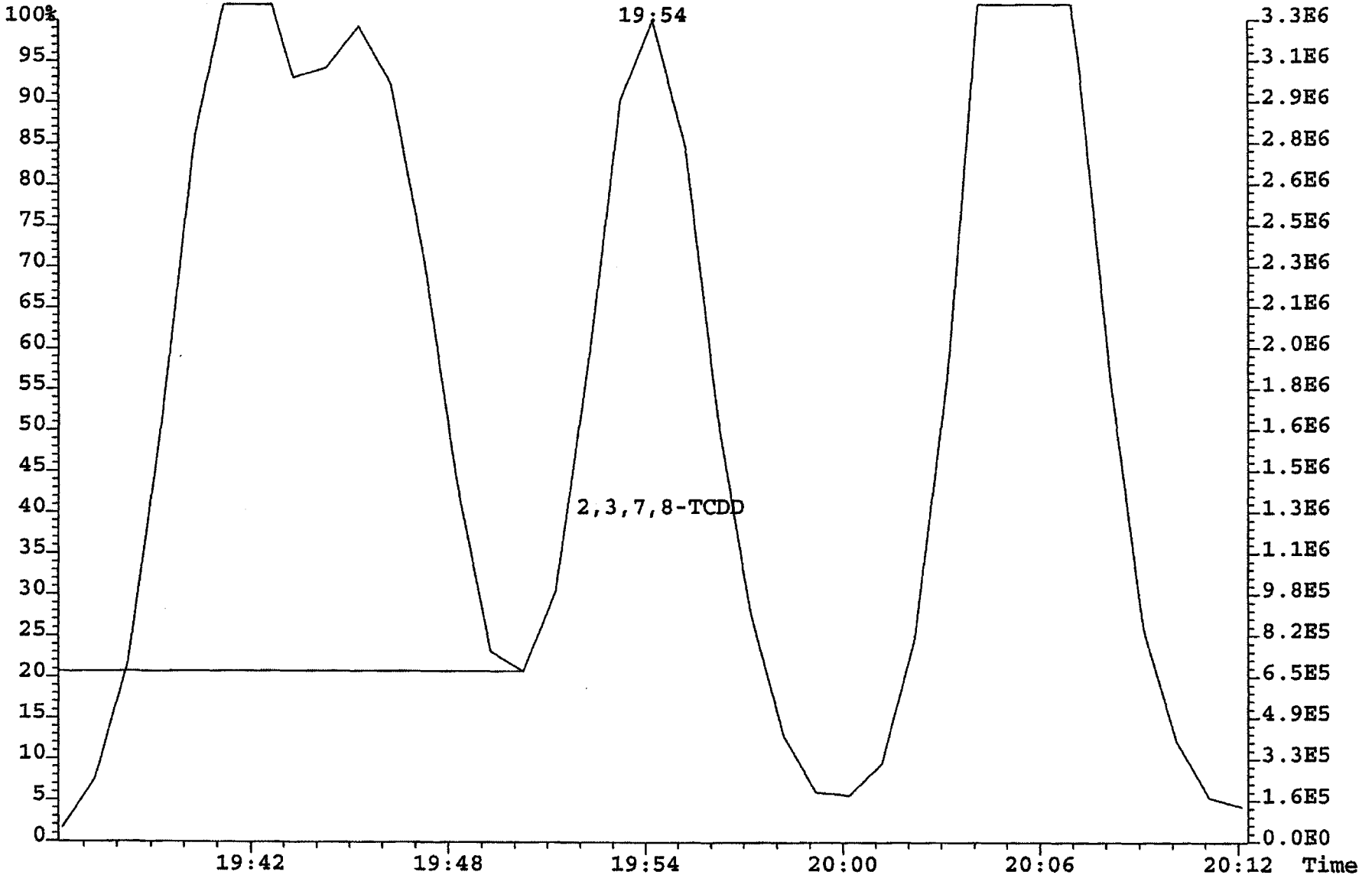








File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 BSUB(128,15,-3.0) Exp:DIOXINRES8290A Noise:14

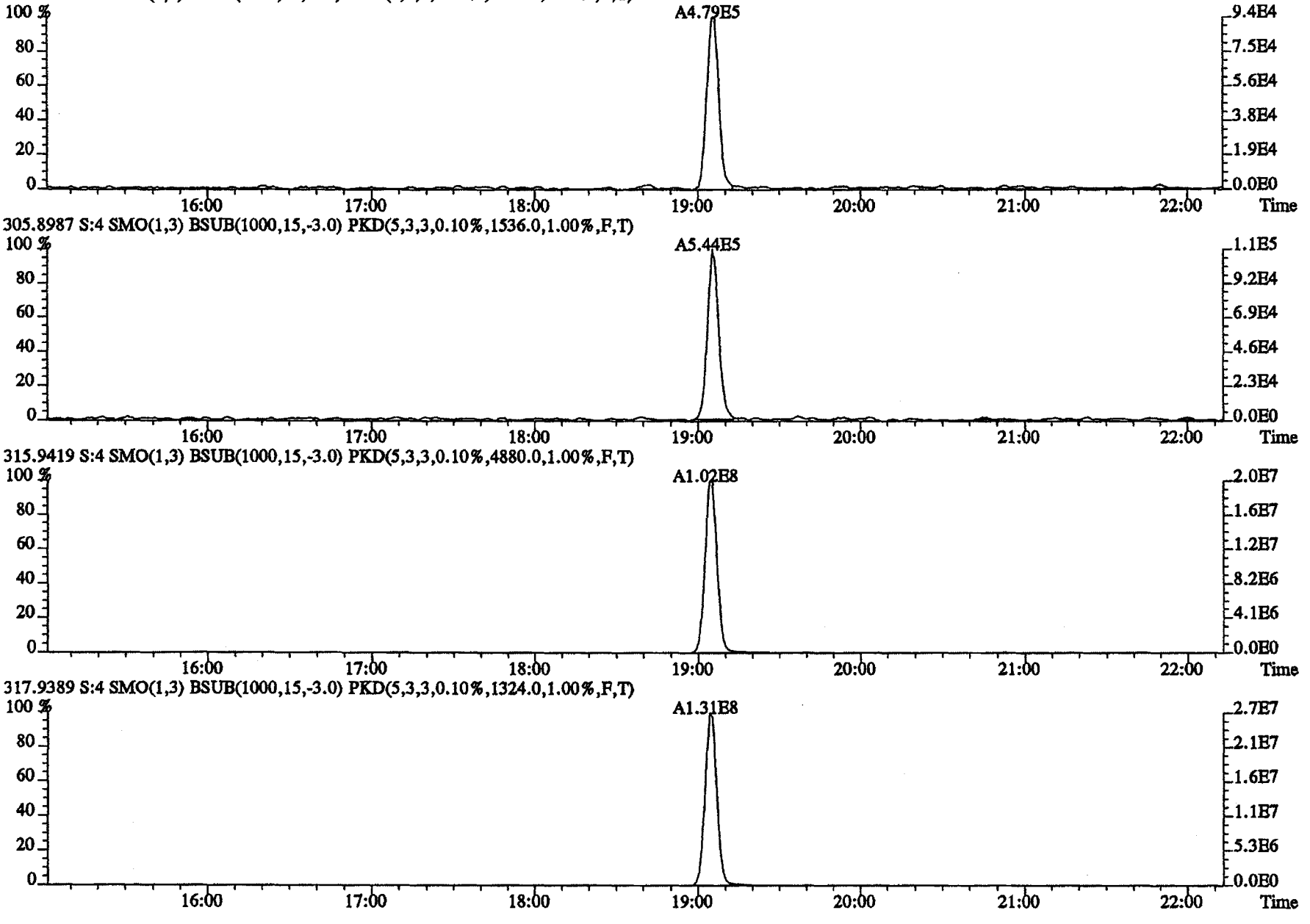


Run text: ST0412E Sample text: ST0412E :2nd Source 09DXN449
Run #6 Filename: 12AP104D5 S: 7 I: 1 Results: 12AP104D58290A
Acquired: 12-APR-10 13:00:53 Processed: 12-APR-10 13:48:00
Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

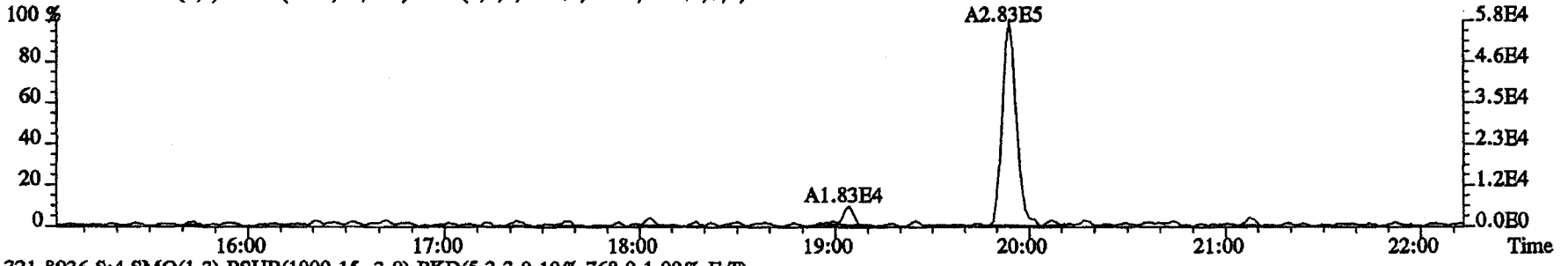
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	151409600	0.82	y	19:40	-	113.81	-	-	n
13C-2,3,7,8-TCDF	230171000	0.79	y	19:04	1.52	1999.28	0.93	100.0	n
2,3,7,8-TCDF	21242270	0.79	y	19:05	0.95	195.26	0.34	-	n
Total TCDF	21588235	1.02	n	18:04	0.95	198.44	0.34	-	n
13C-2,3,7,8-TCDD	152072000	0.79	y	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

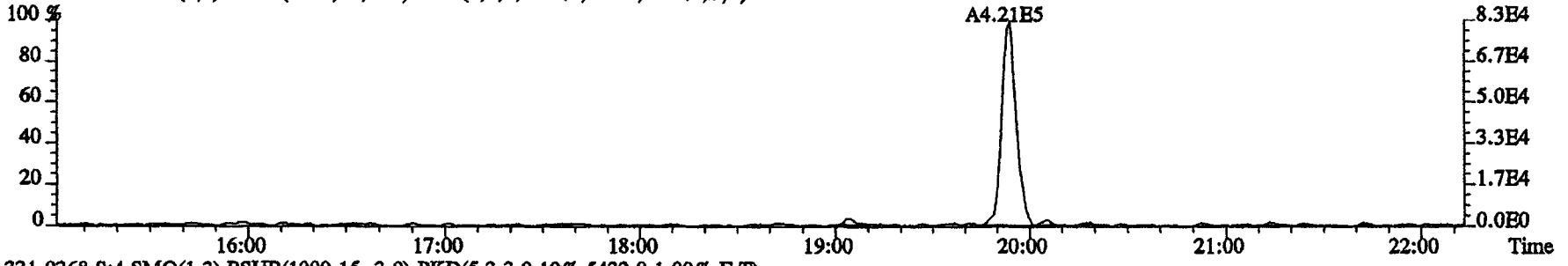
OCDF	45645500	0.90	y	38:08	1.45	952.11	0.72	- n
OCDD	37812000	0.89	y	38:02	1.17	977.46	1.35	- n

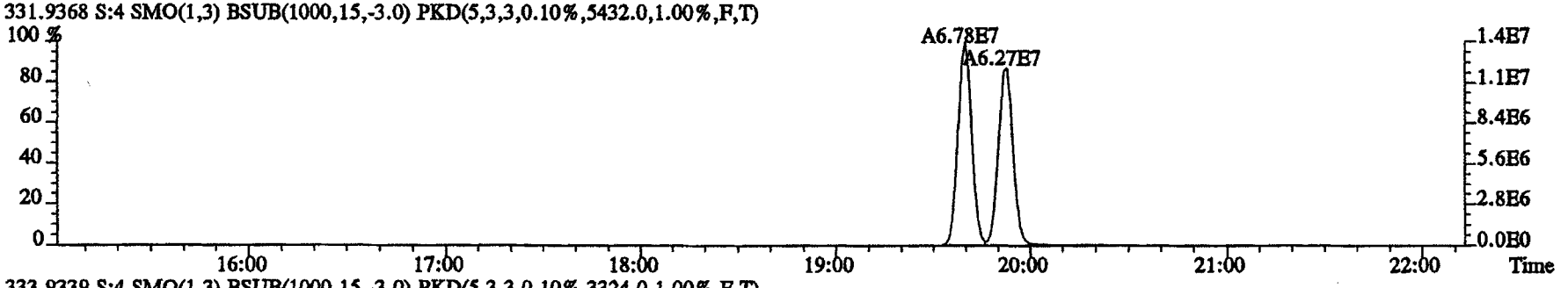
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

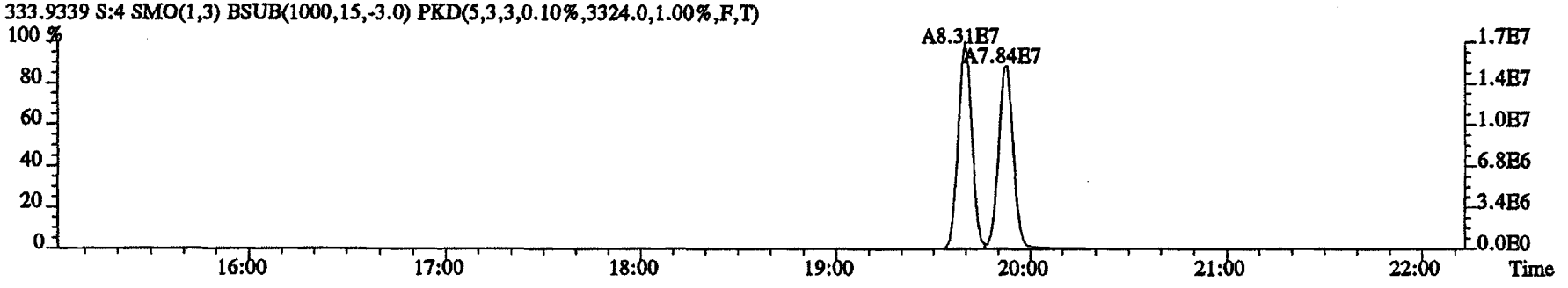


File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

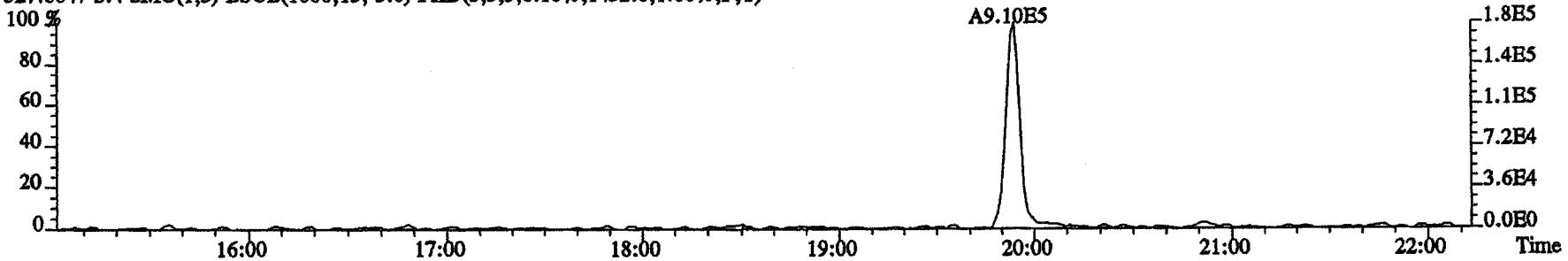




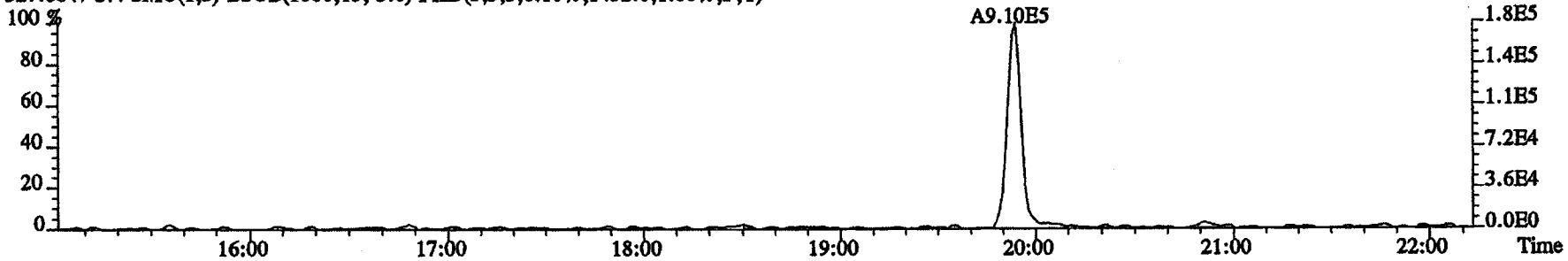




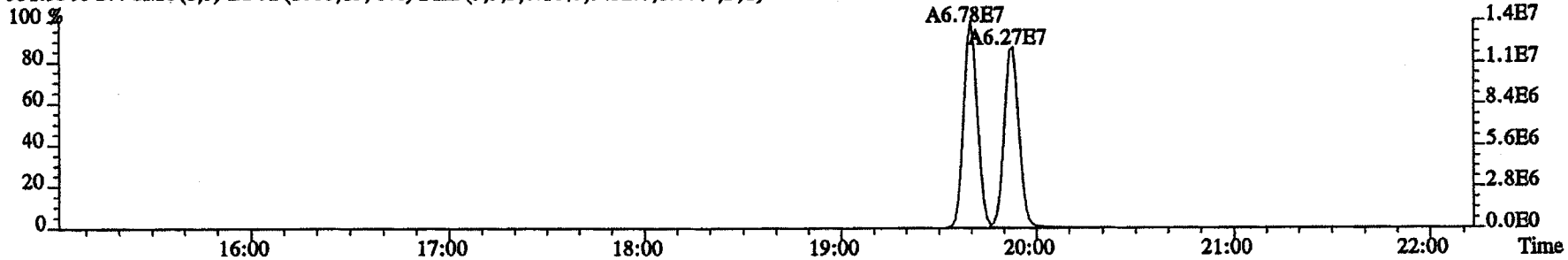
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1432.0,1.00%,F,T)



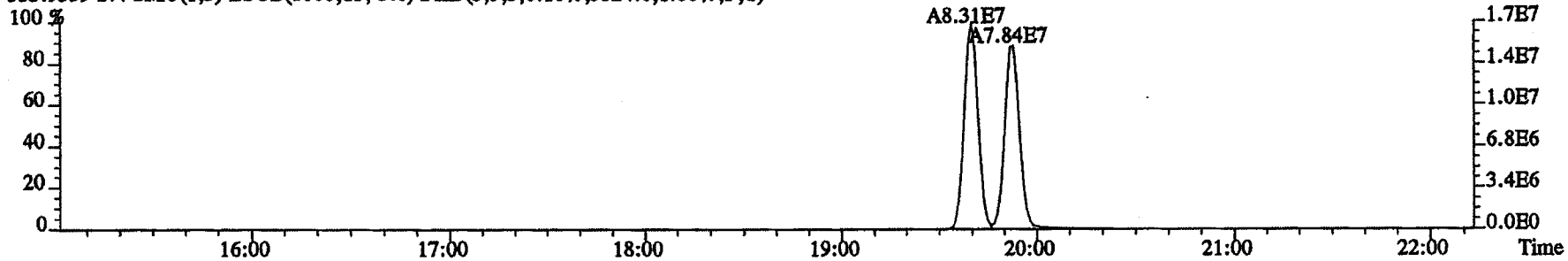
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1432.0,1.00%,F,T)



331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5432.0,1.00%,F,T)

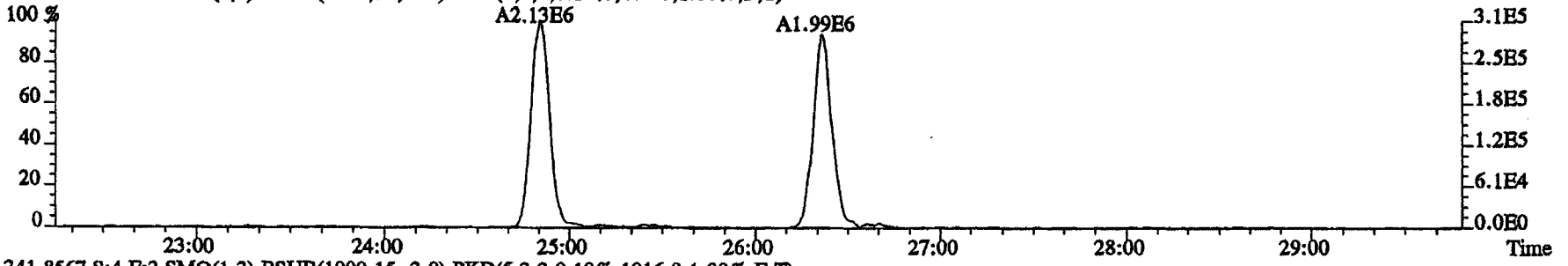


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3324.0,1.00%,F,T)

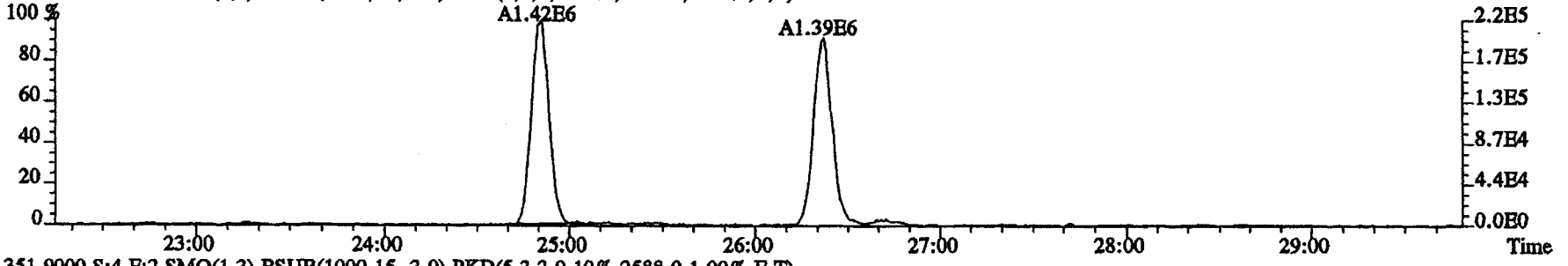


File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

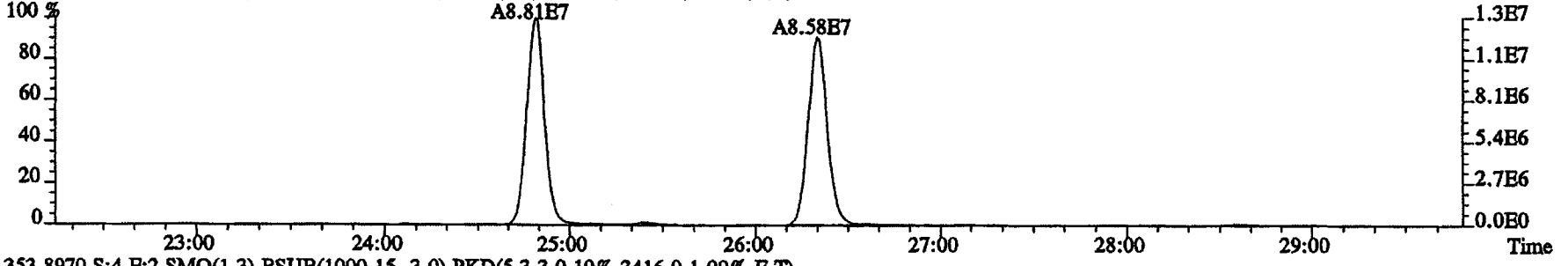
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,400.0,1.00%,F,T)



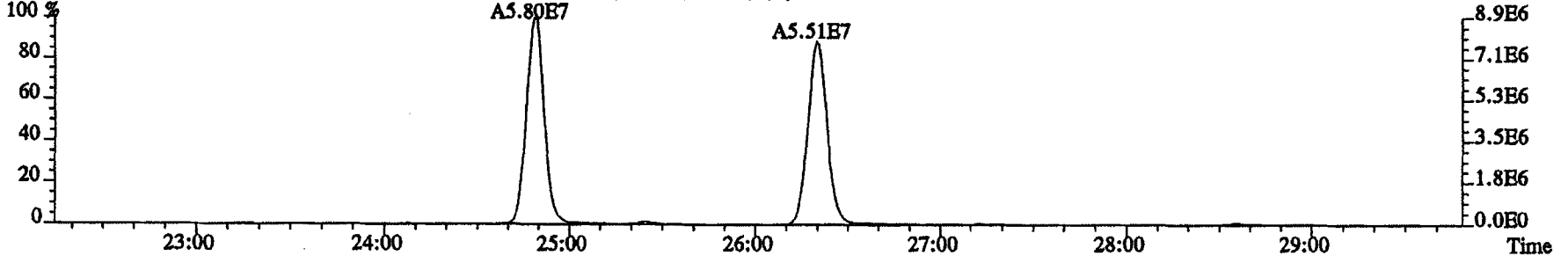
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1016.0,1.00%,F,T)



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)

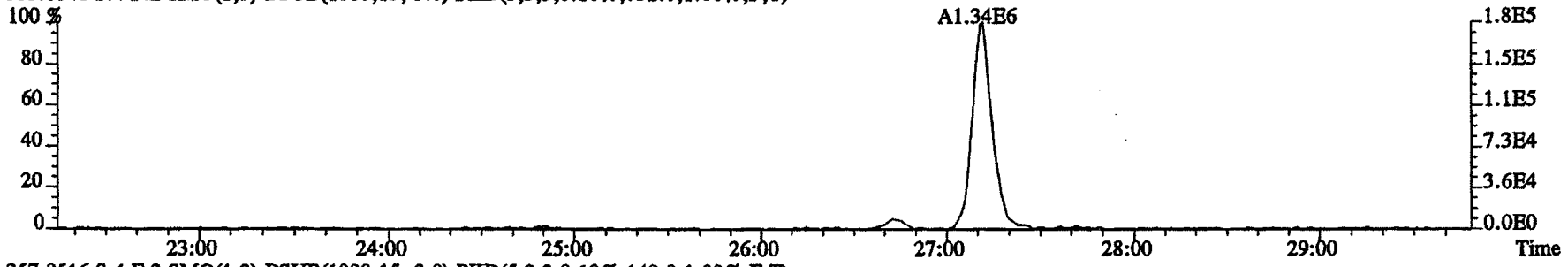


353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3416.0,1.00%,F,T)

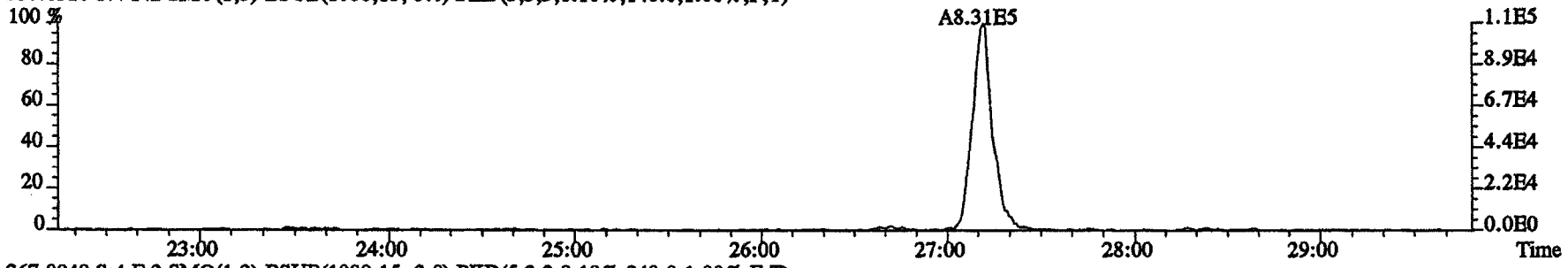


File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

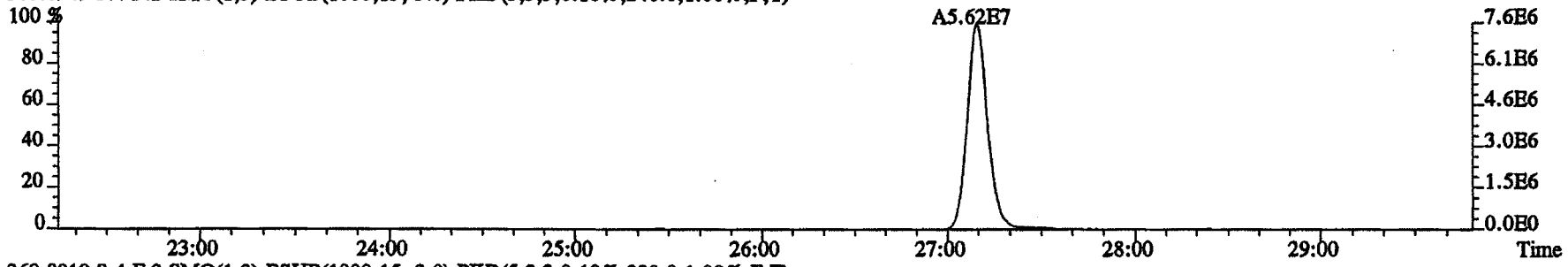
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



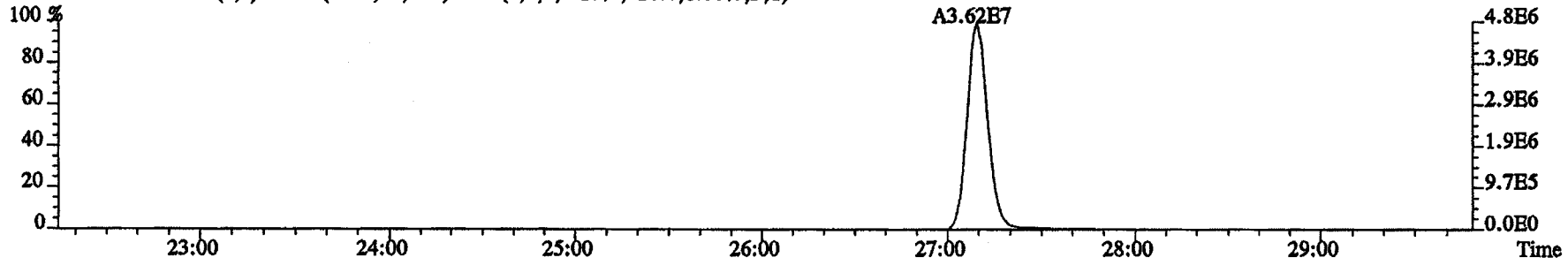
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



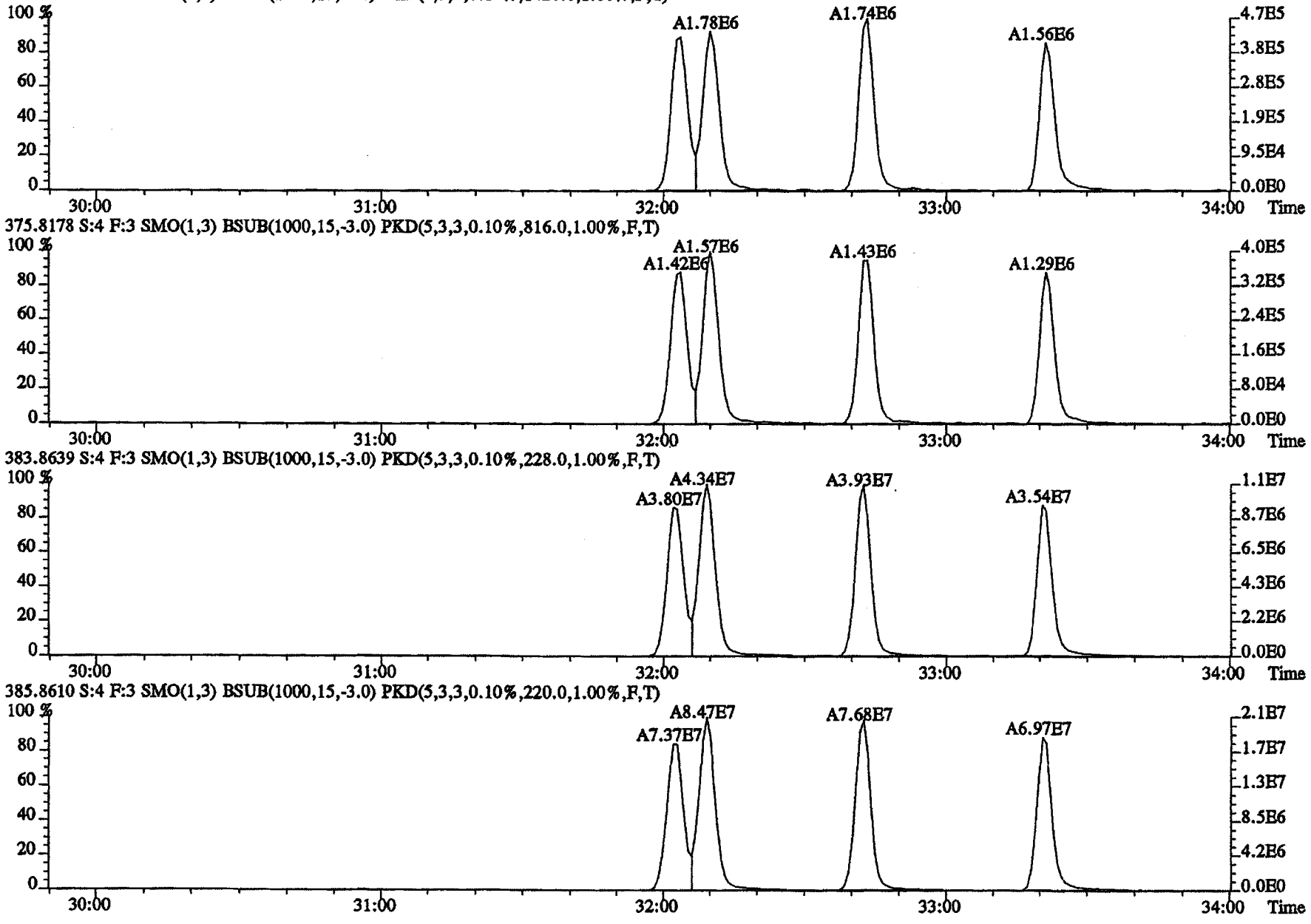
367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,240.0,1.00%,F,T)



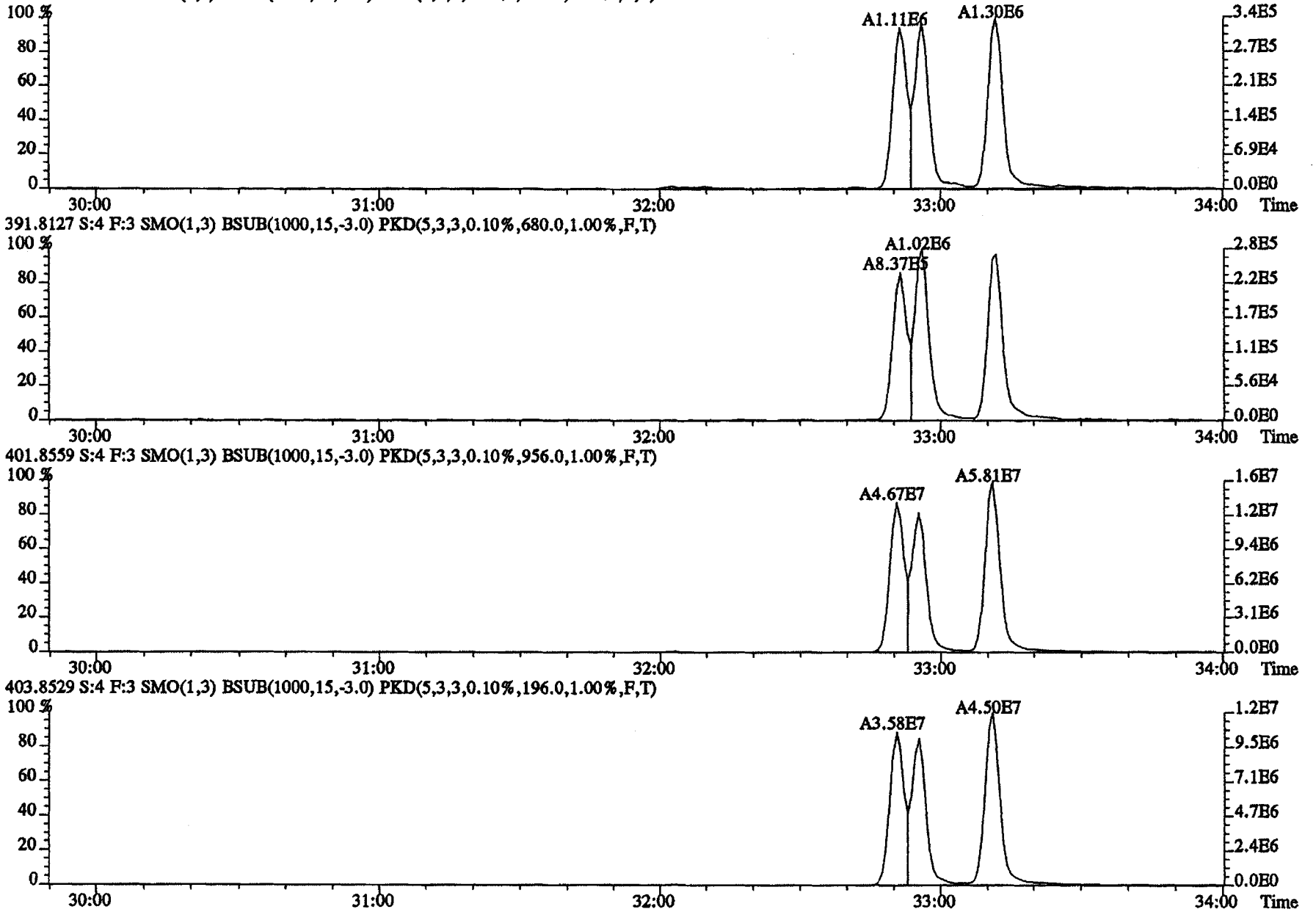
369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,220.0,1.00%,F,T)



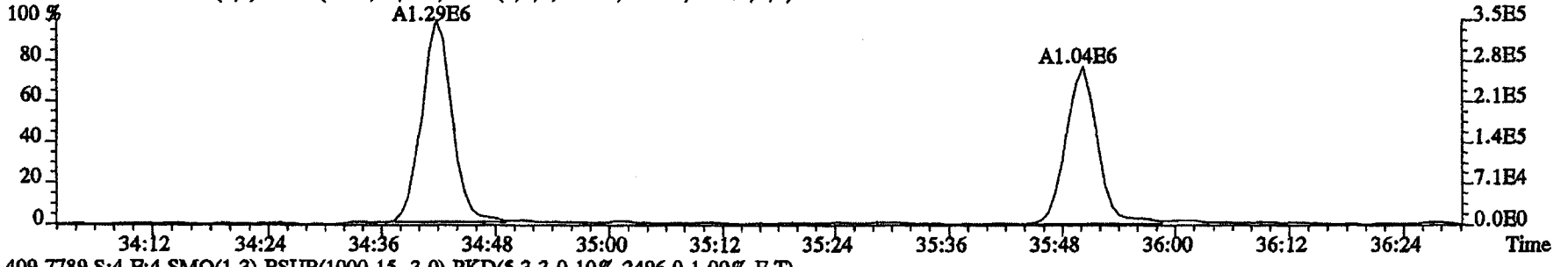
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

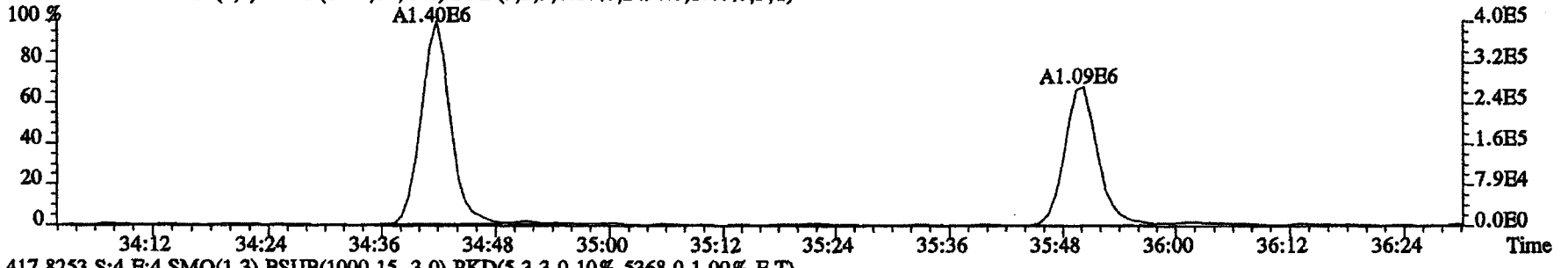


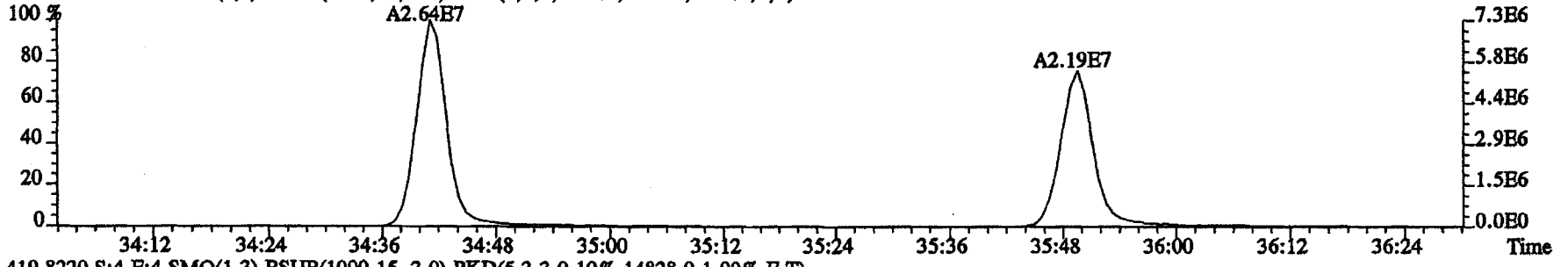
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

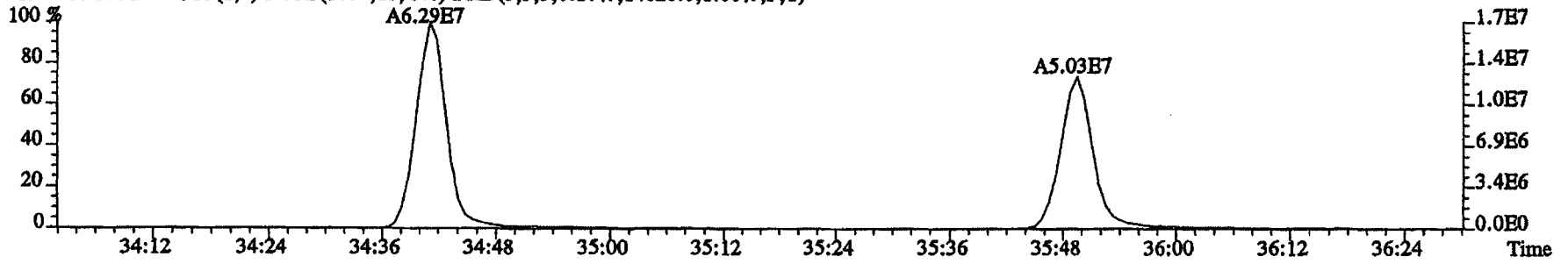


File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

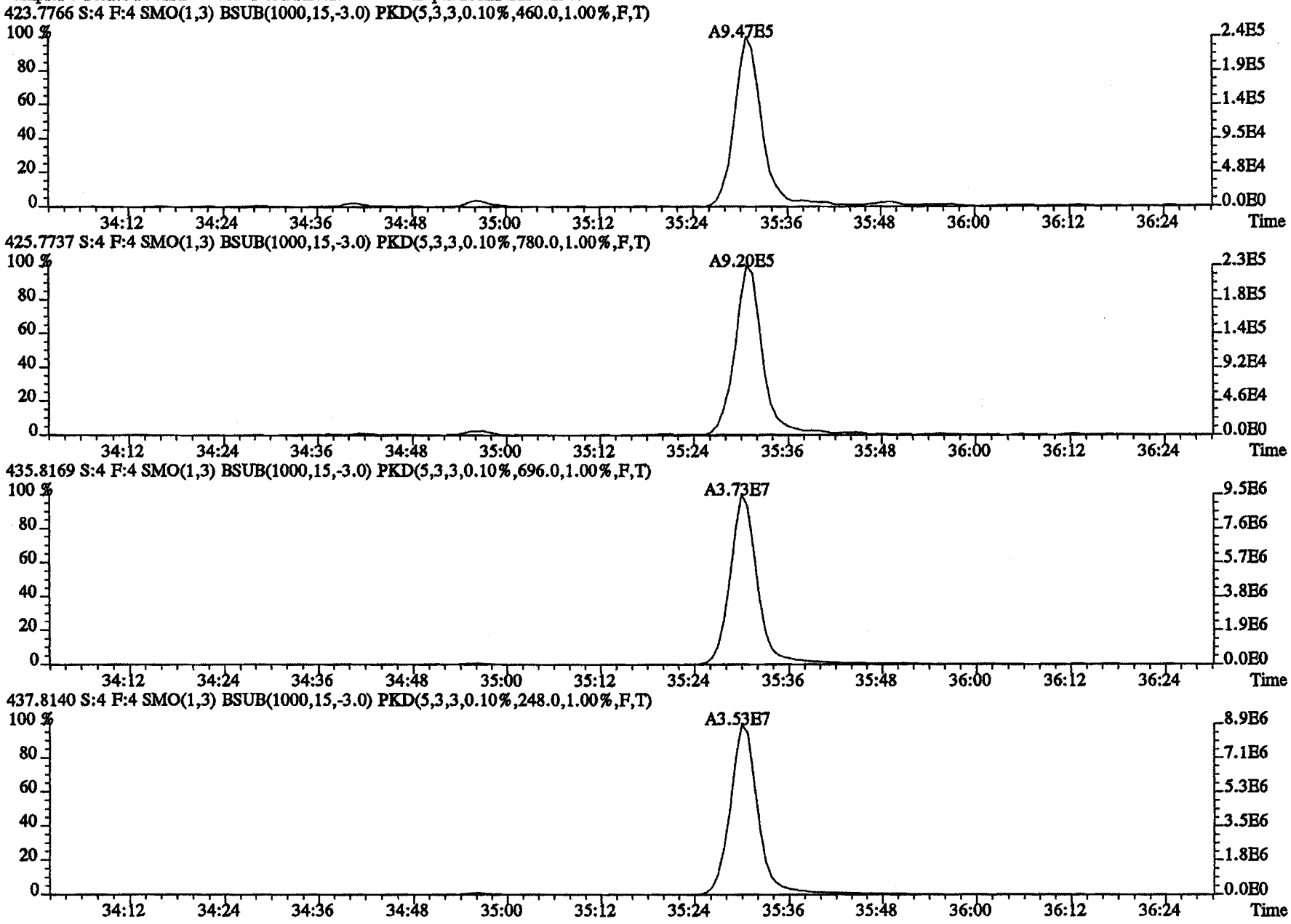




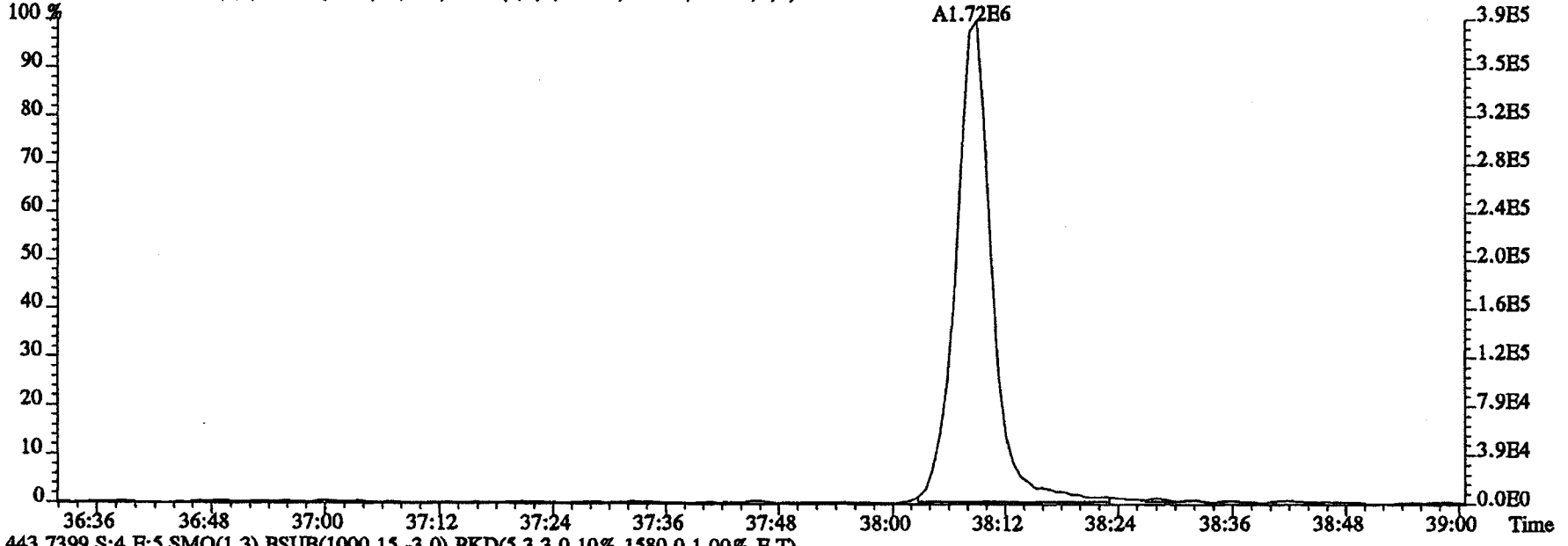




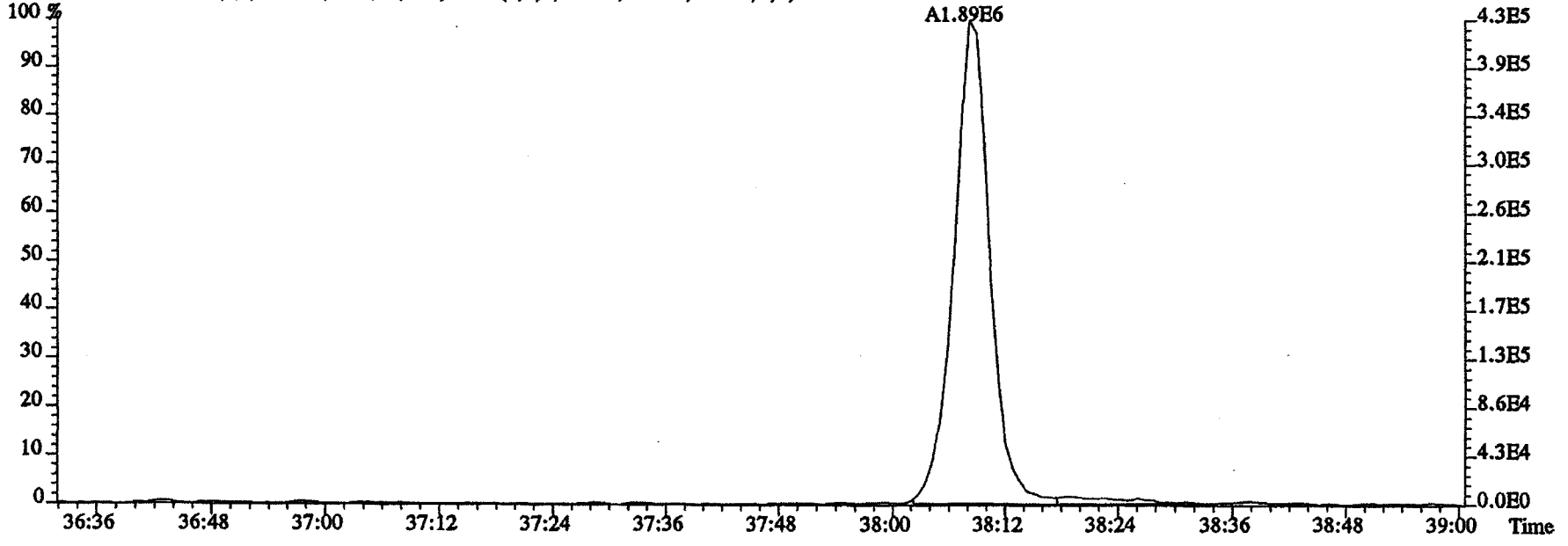
File:12AP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



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)

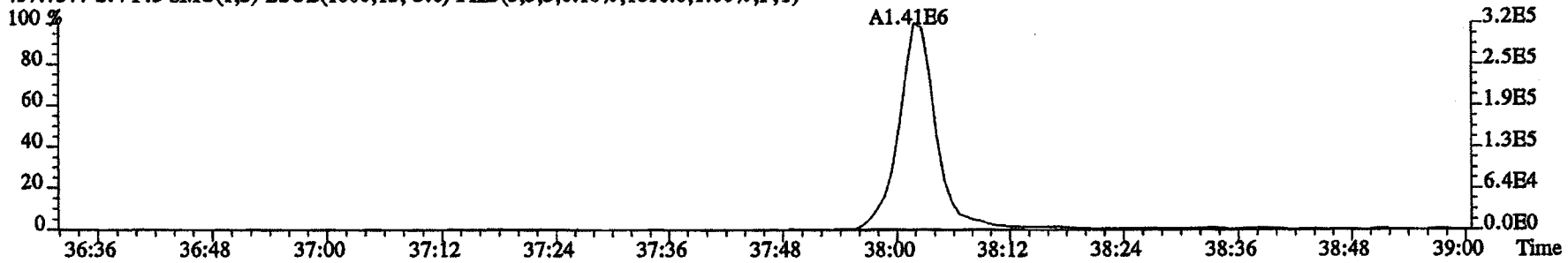


443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1580.0,1.00%,F,T)

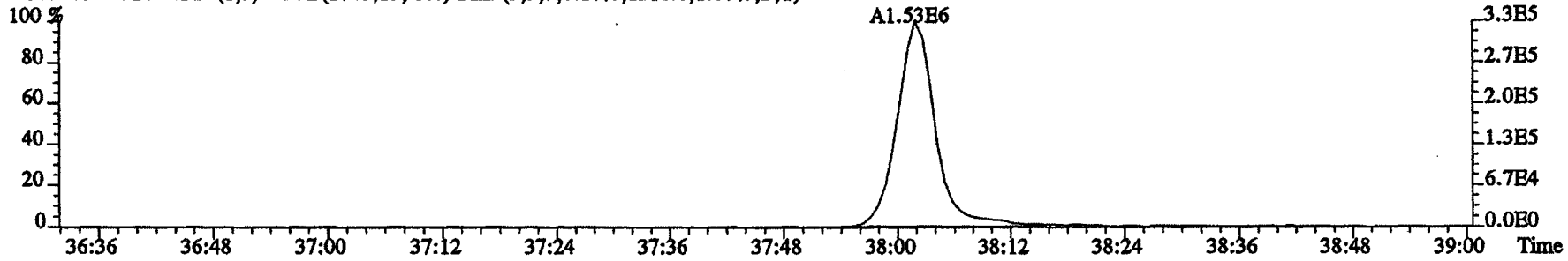


File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

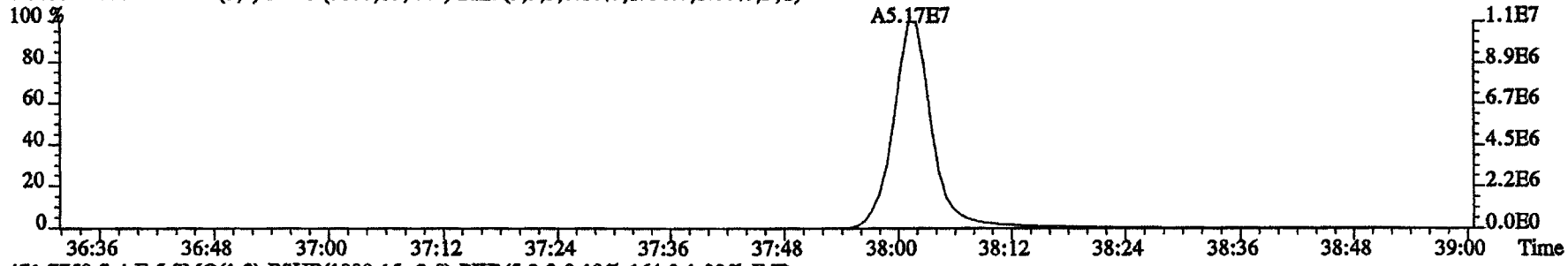
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1816.0,1.00%,F,T)



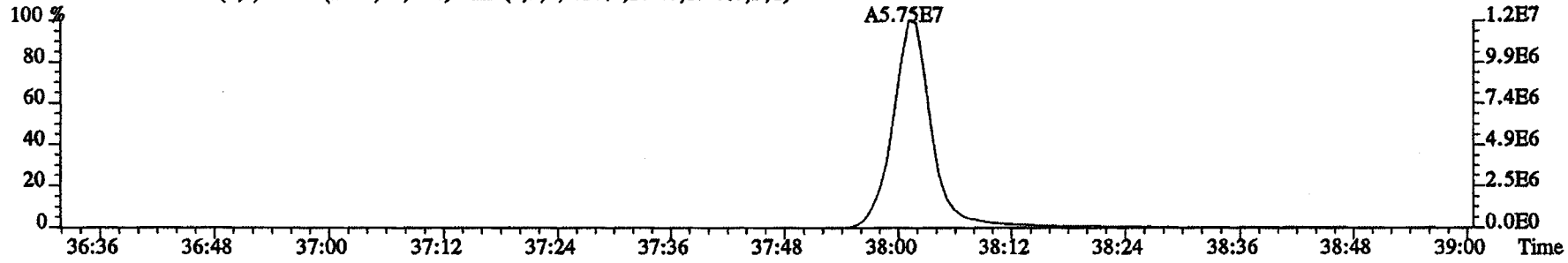
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



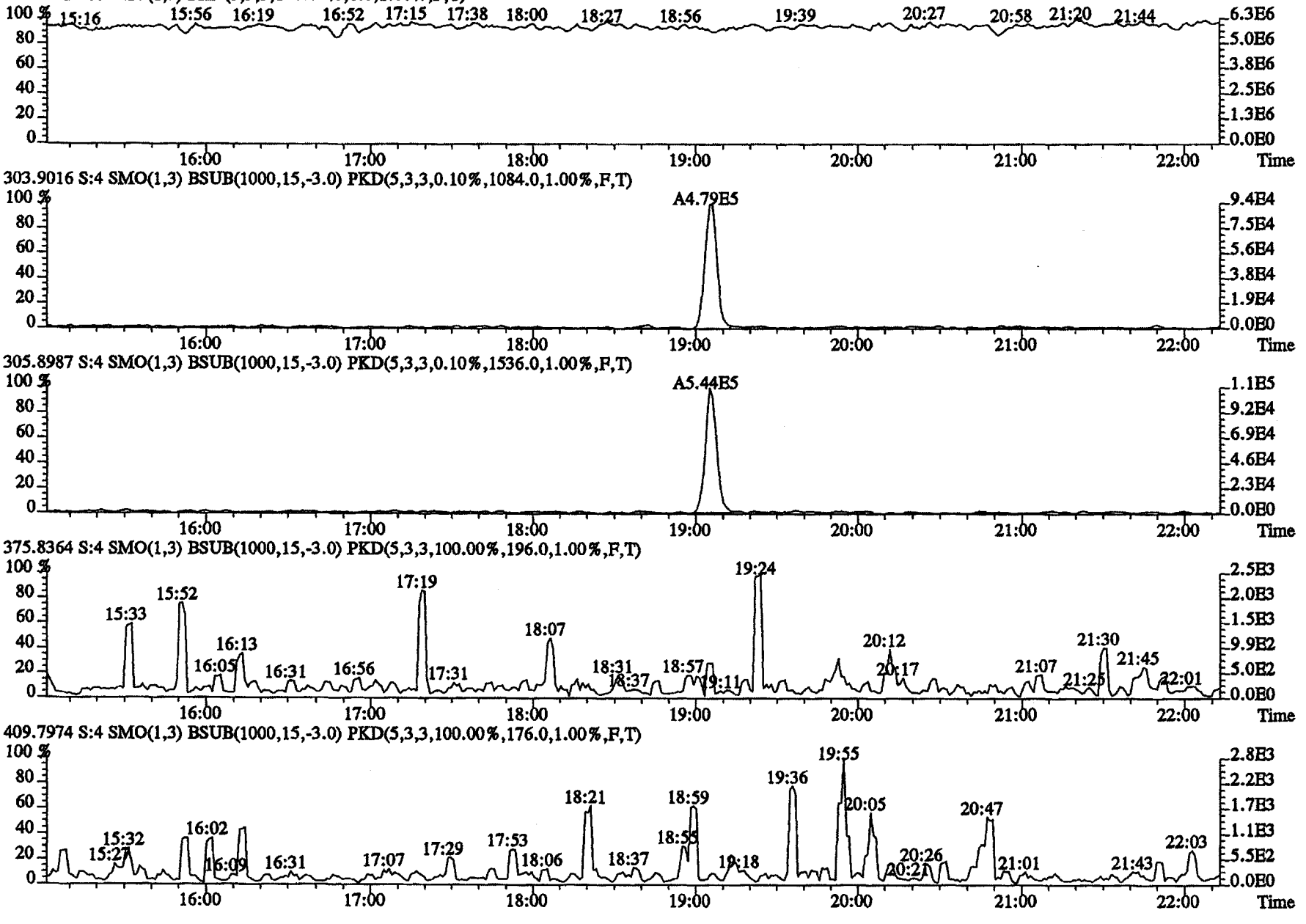
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)



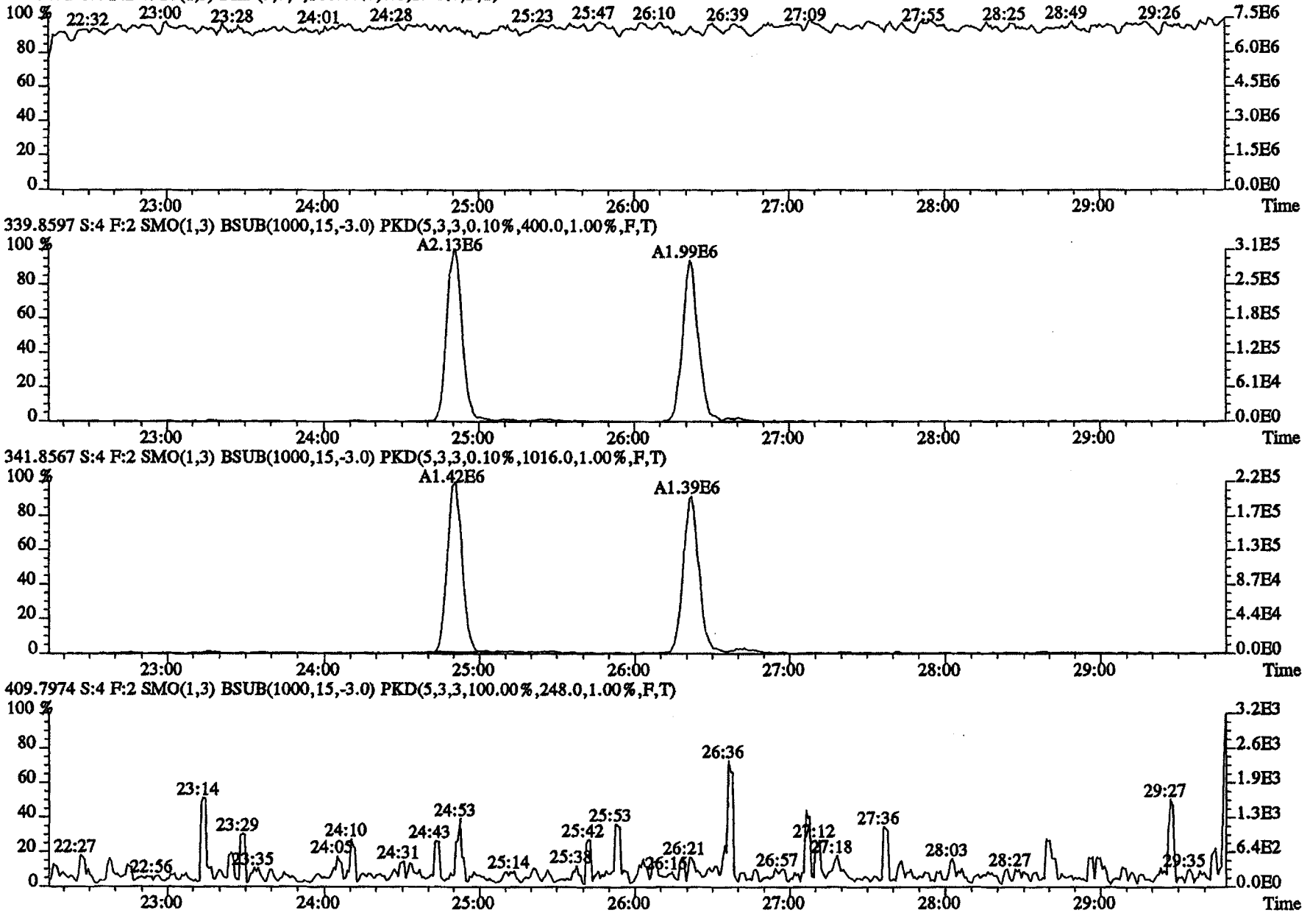
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,164.0,1.00%,F,T)



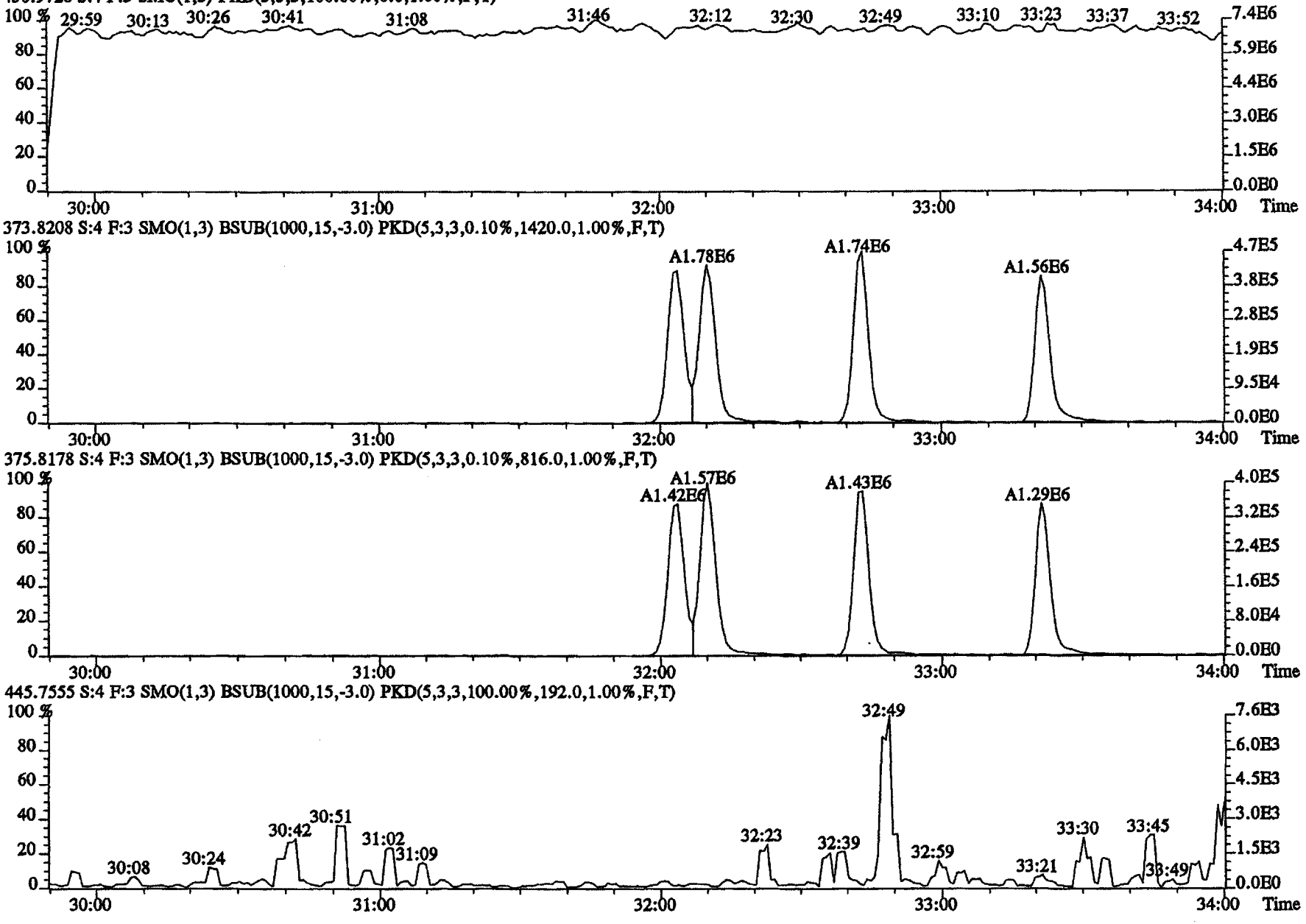
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



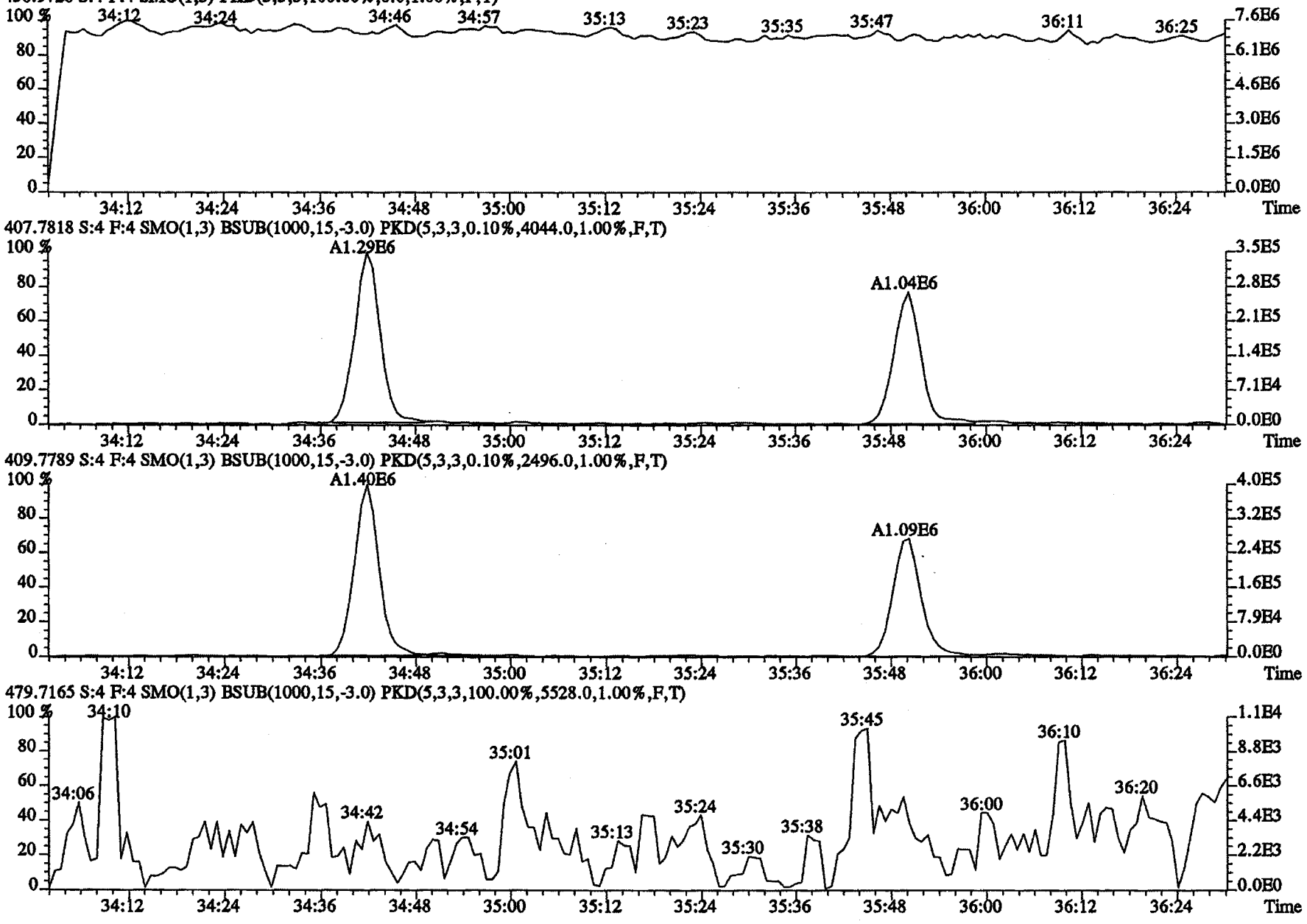
File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



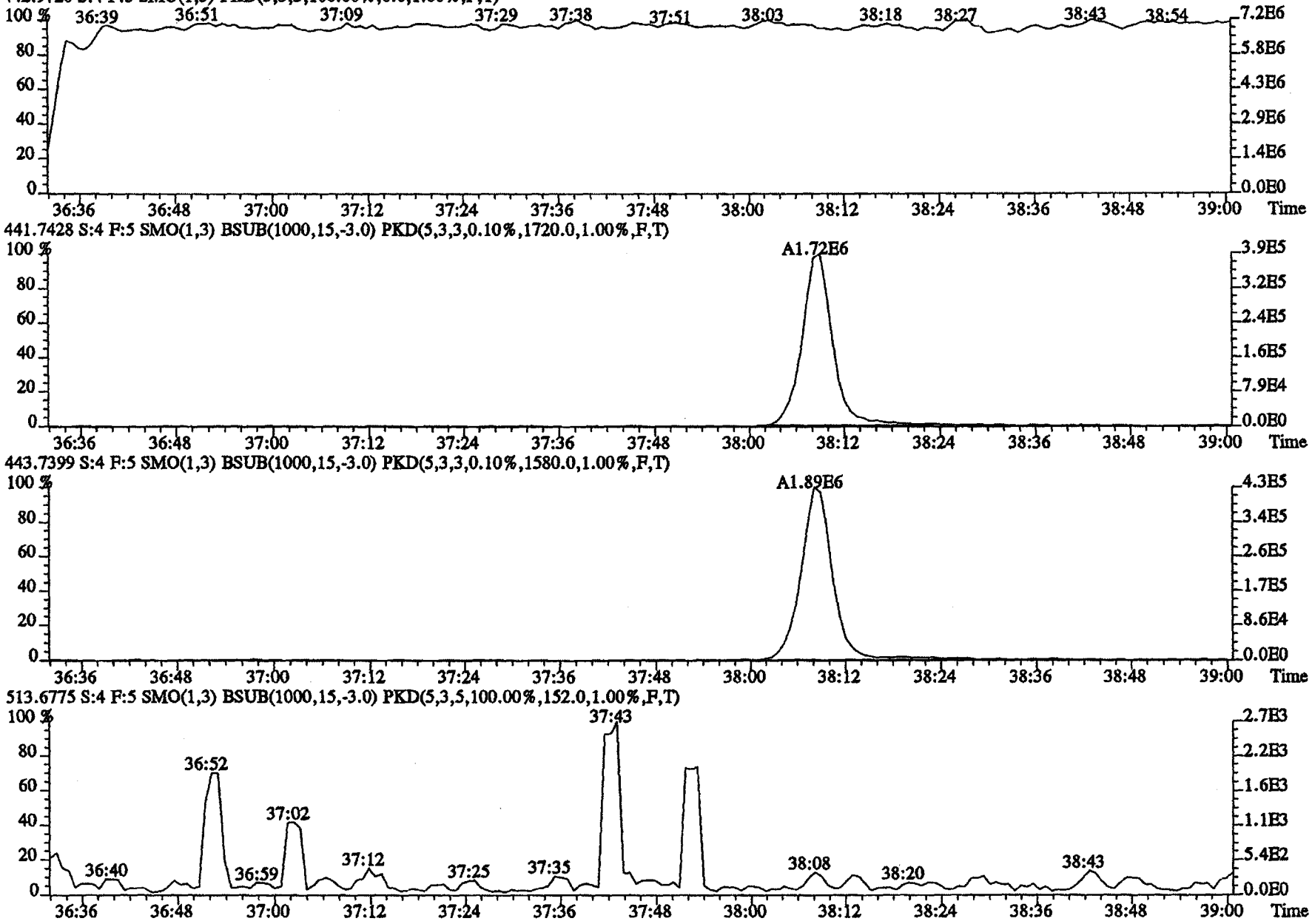
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



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

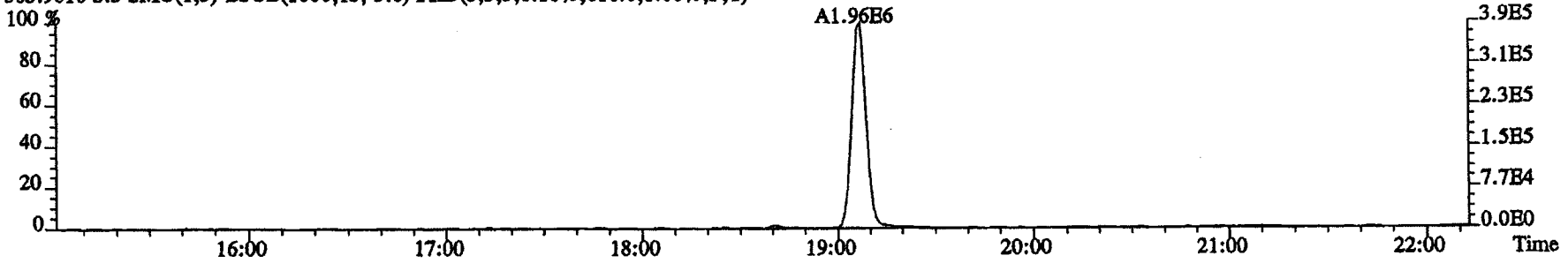


File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A

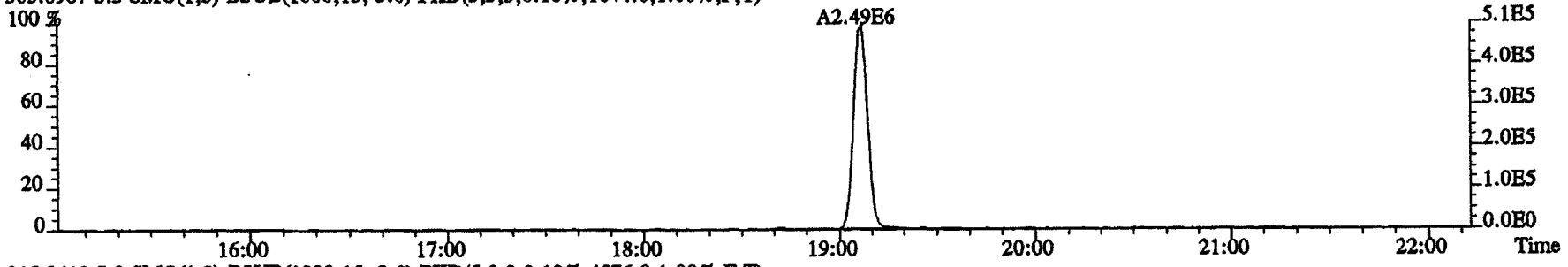


File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

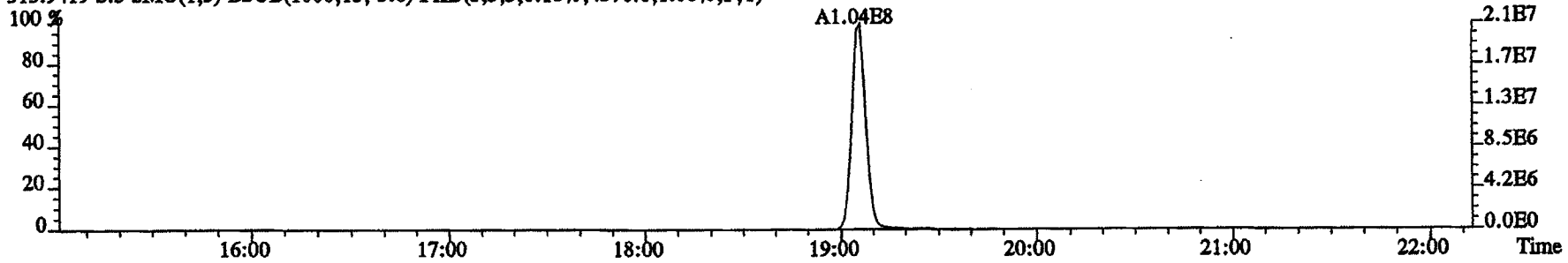
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,616.0,1.00%,F,T)



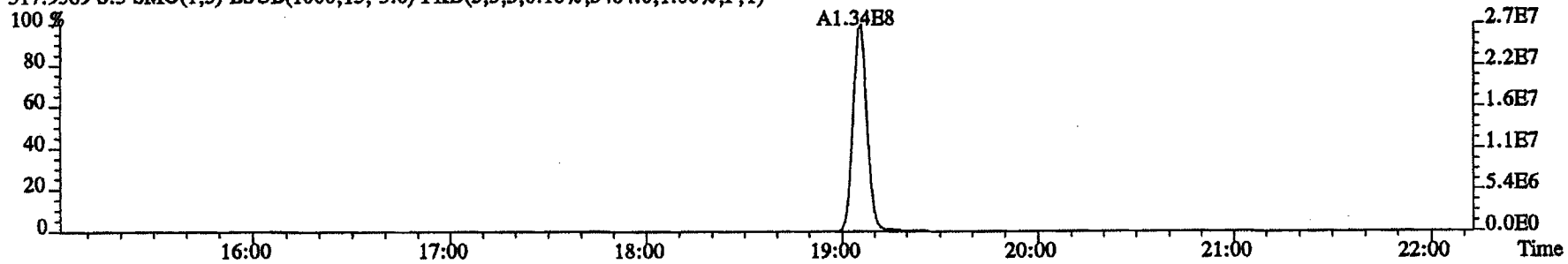
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)



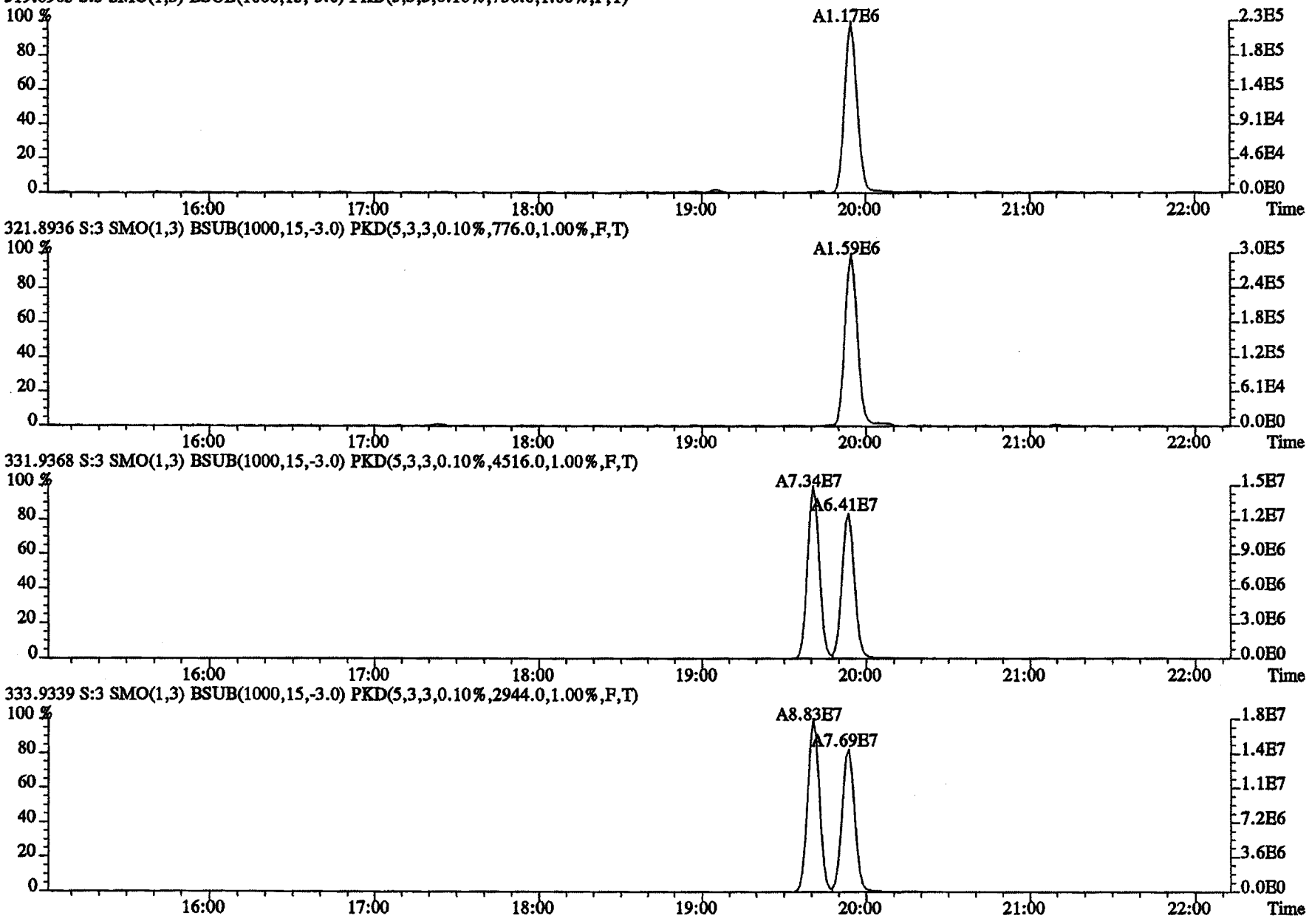
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4576.0,1.00%,F,T)



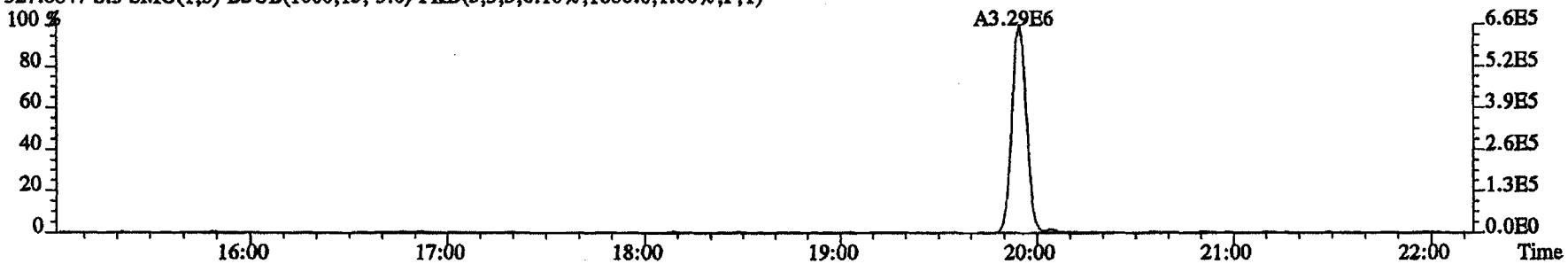
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484.0,1.00%,F,T)



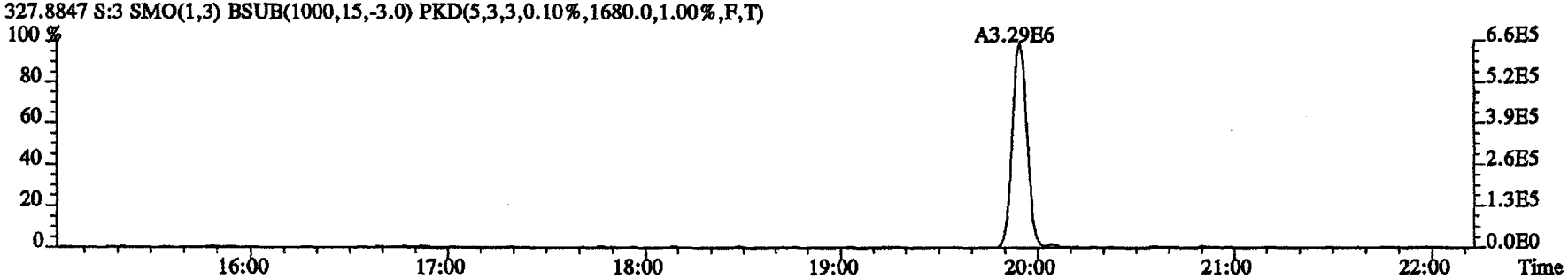
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



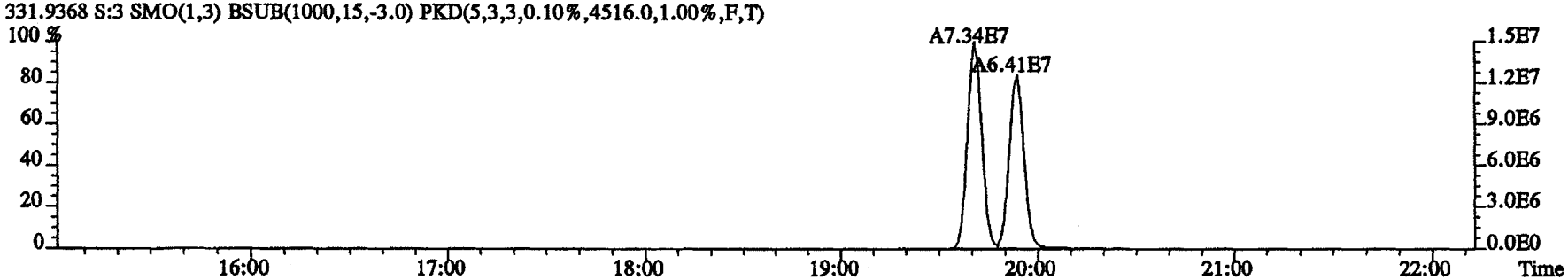
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



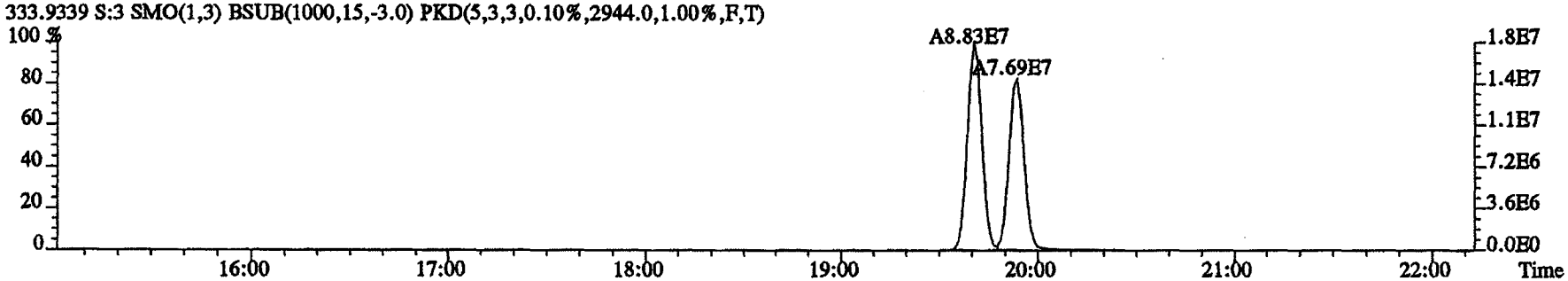
327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4516.0,1.00%,F,T)

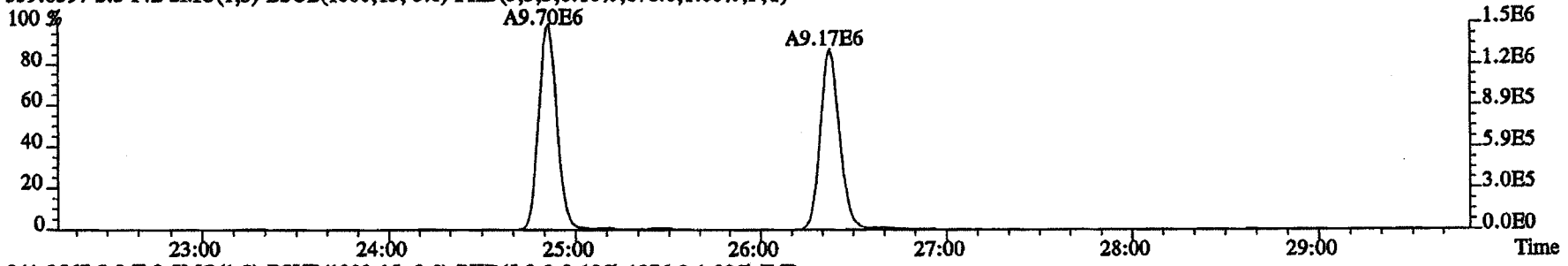


333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)

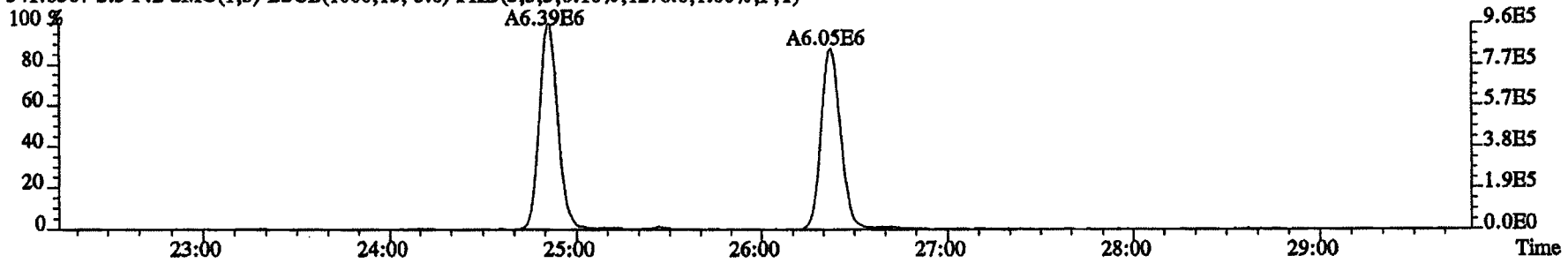


File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

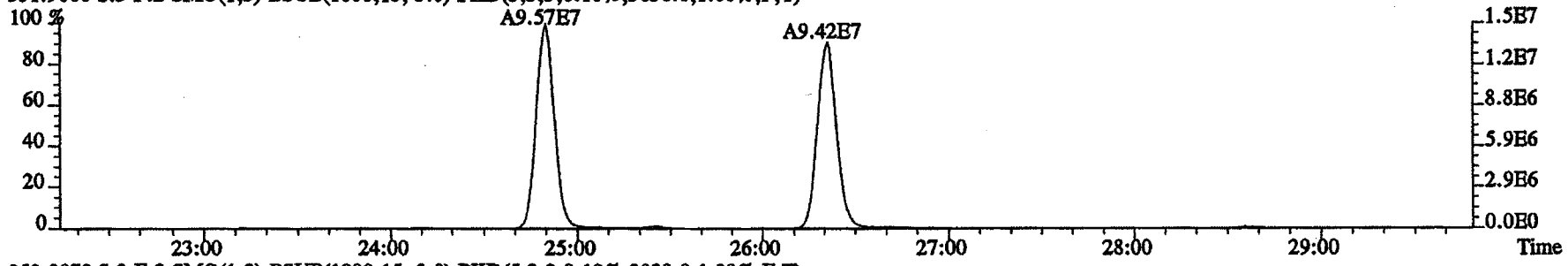
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



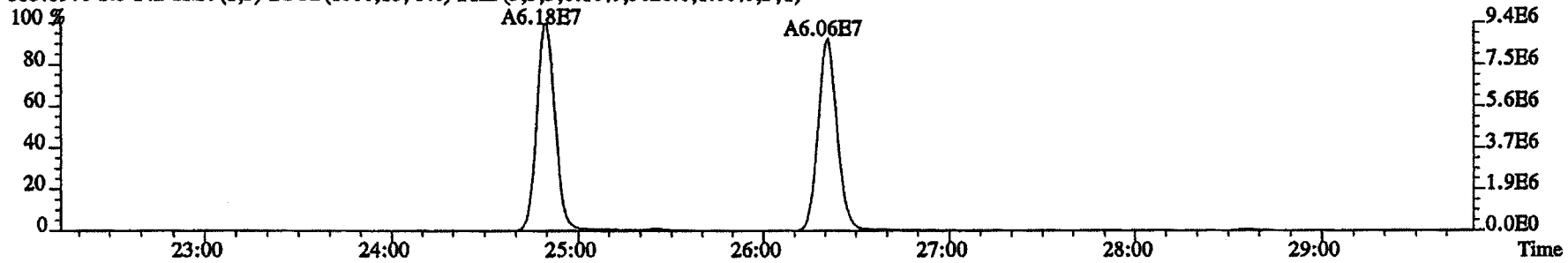
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)



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)

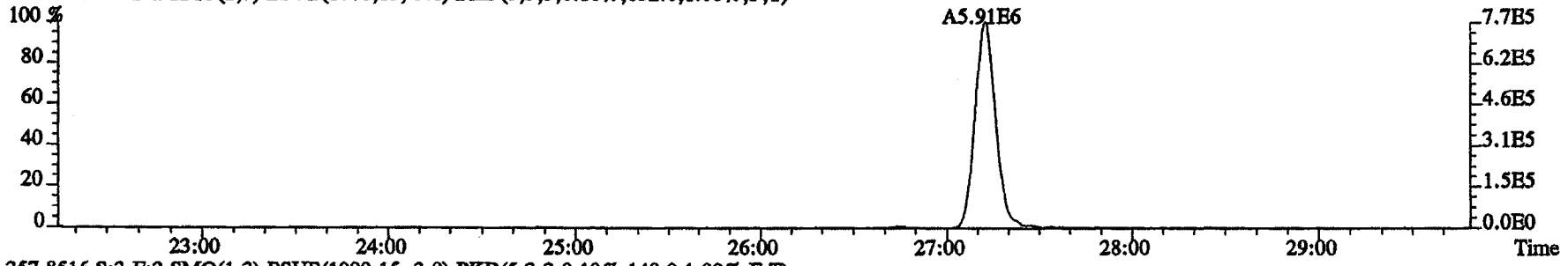


353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)

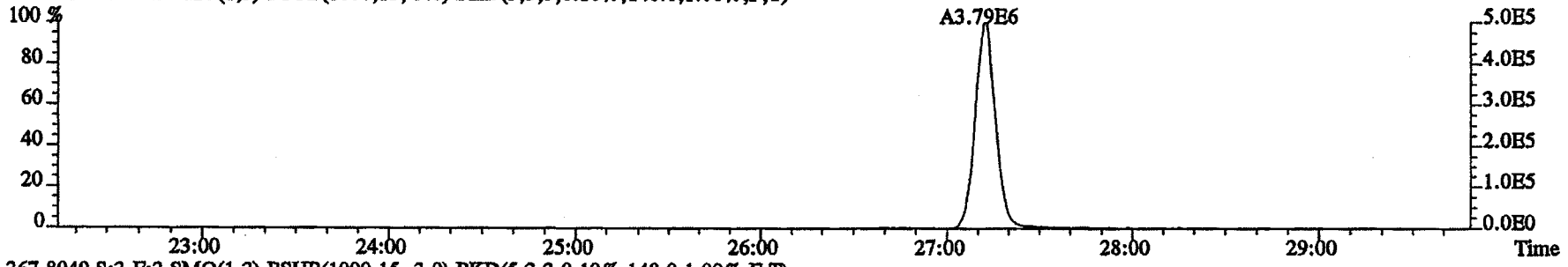


File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

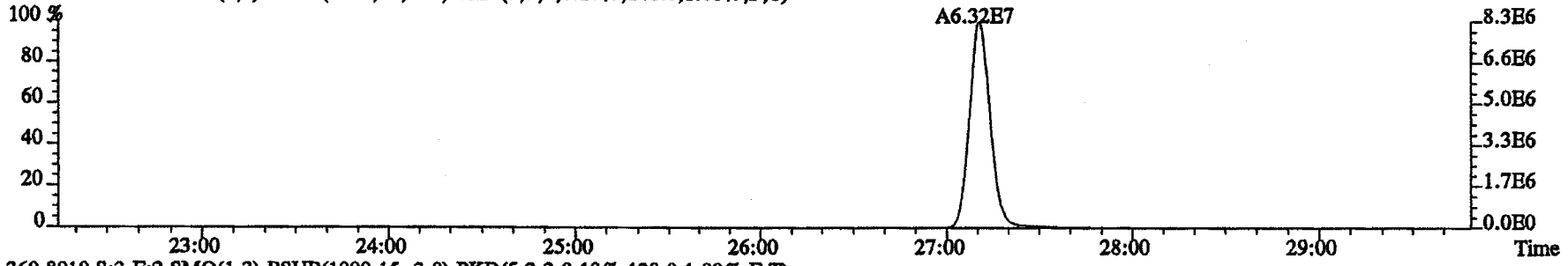
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,832.0,1.00%,F,T)



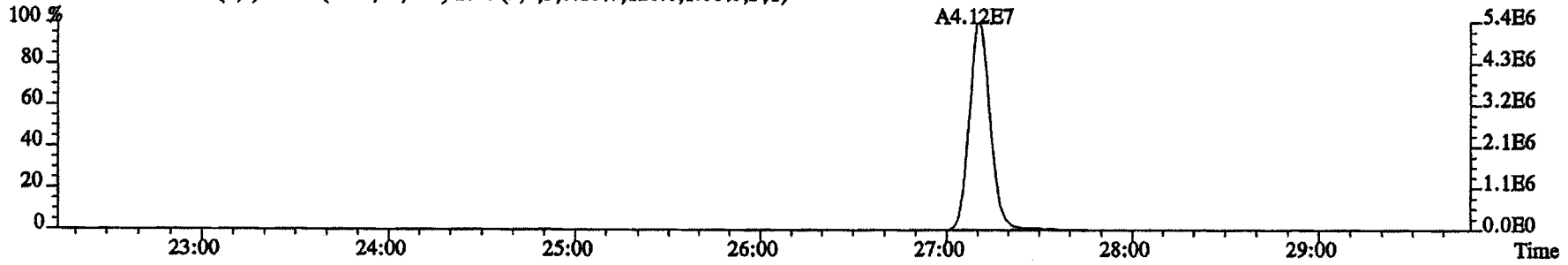
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



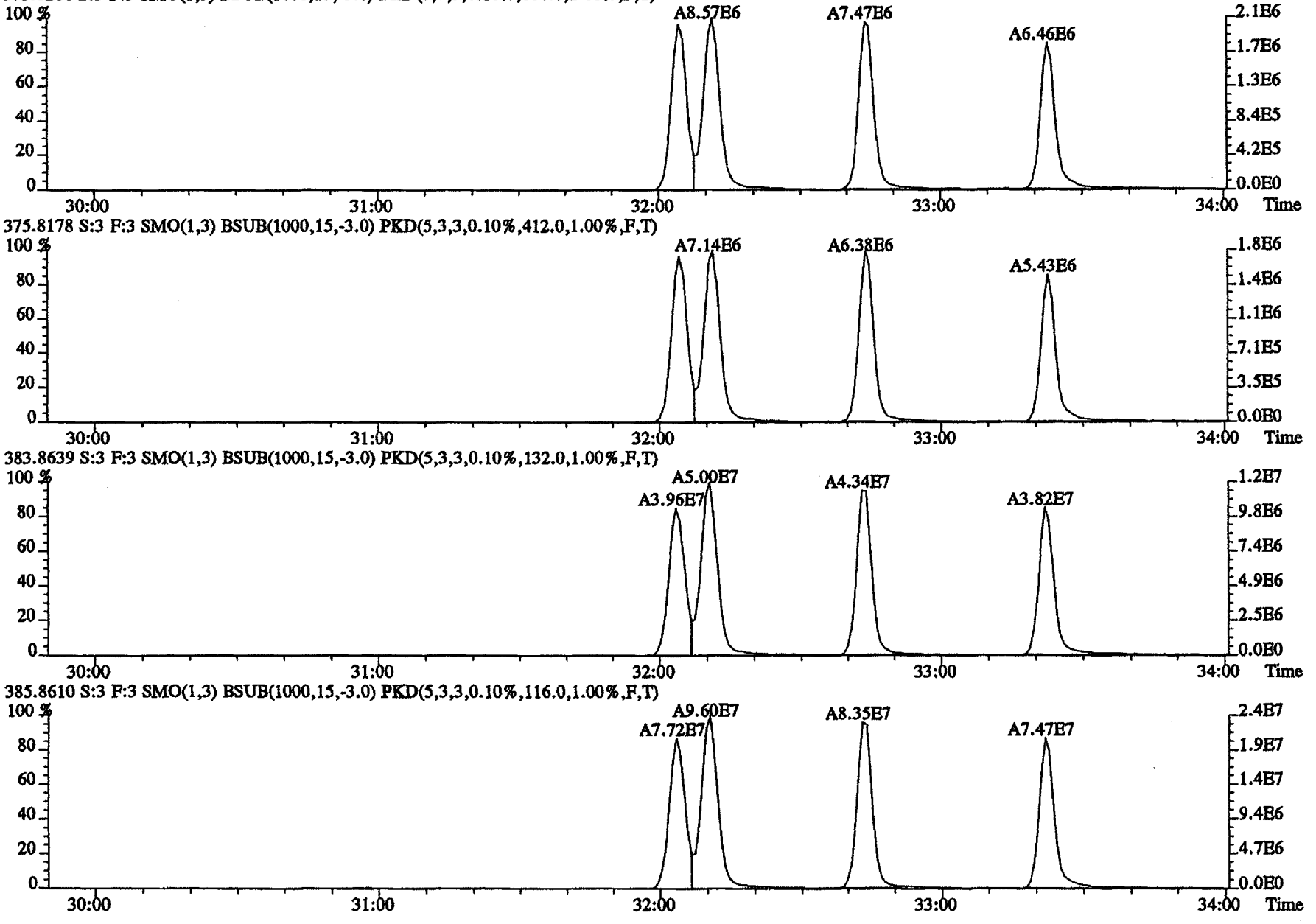
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)



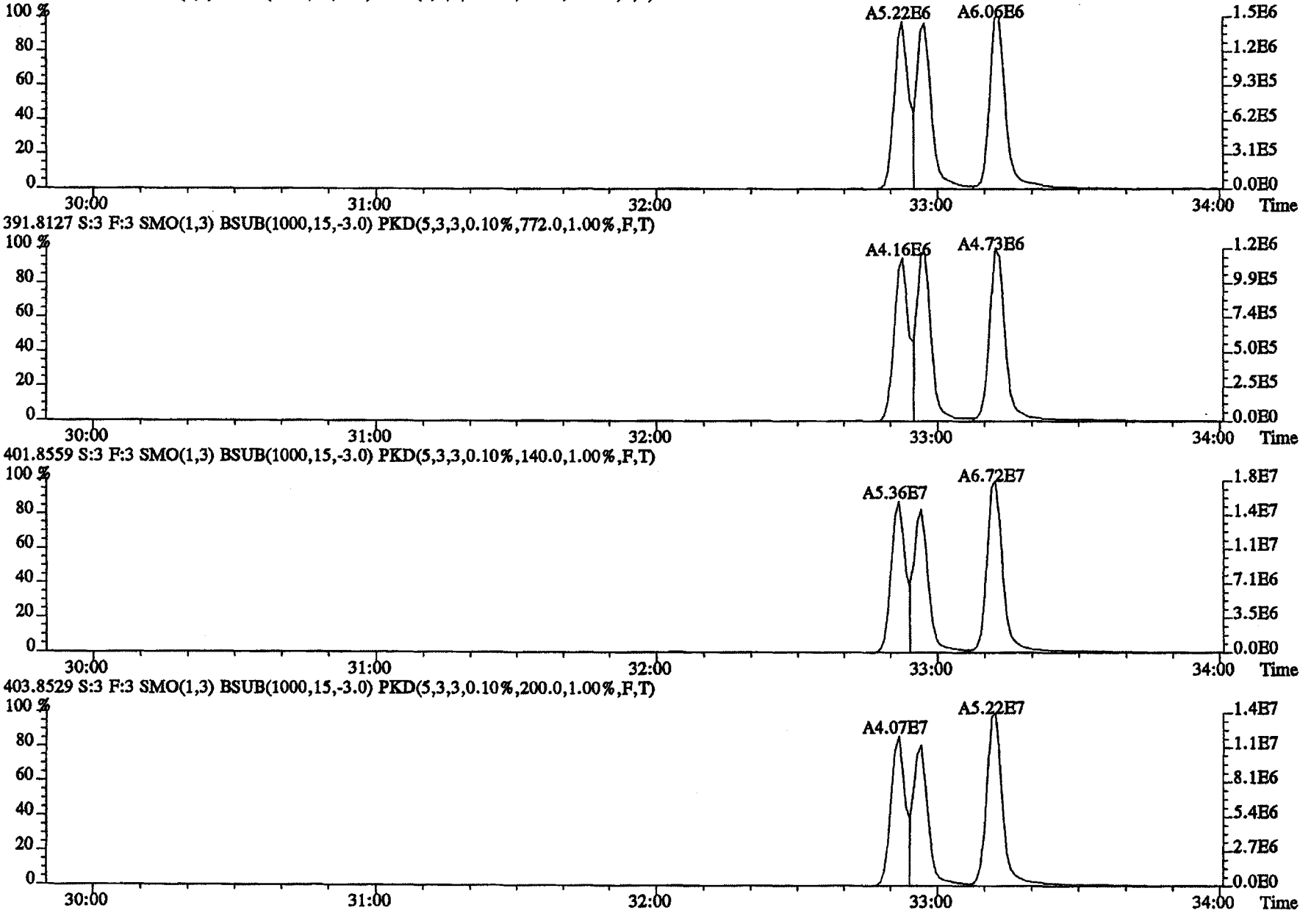
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)



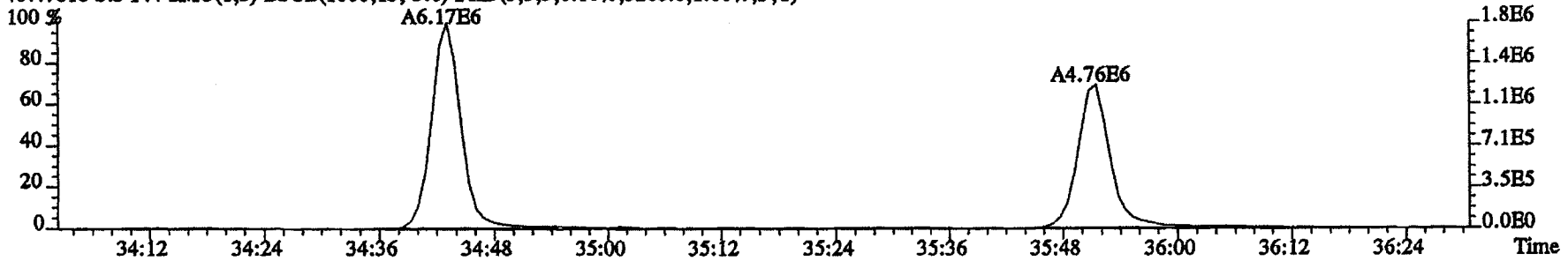
File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

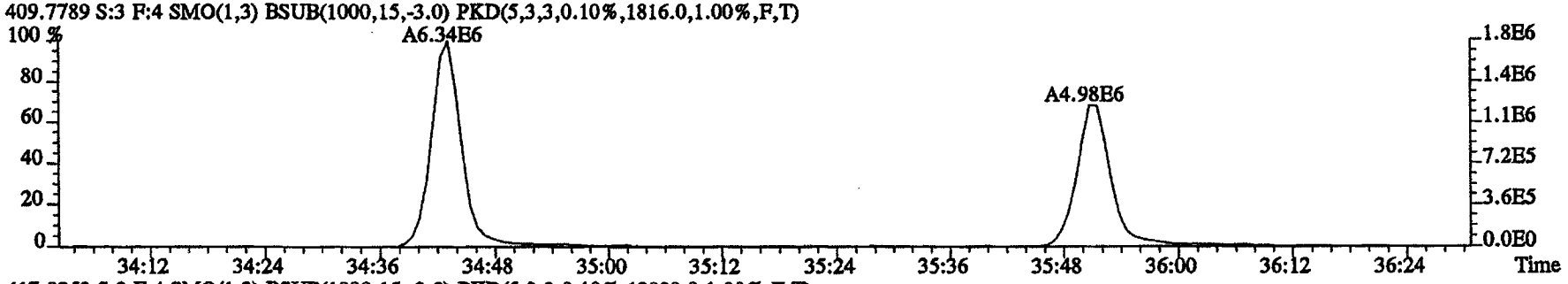


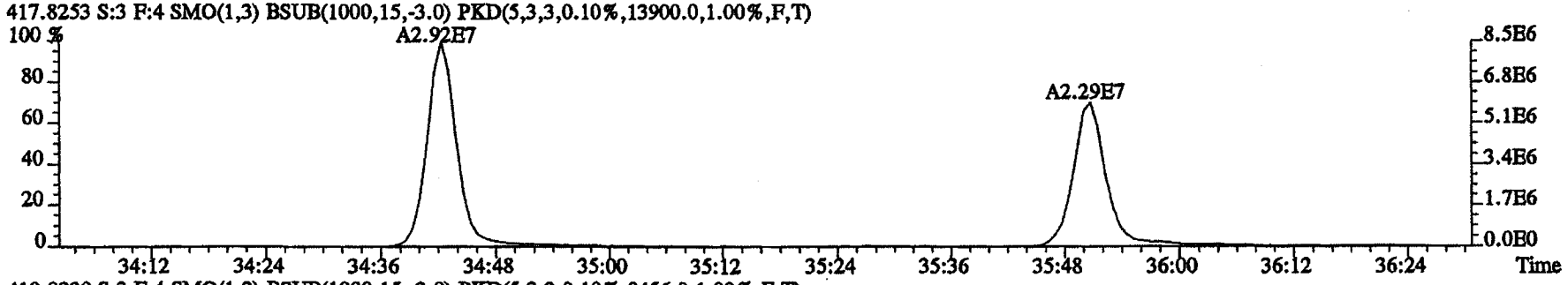
File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

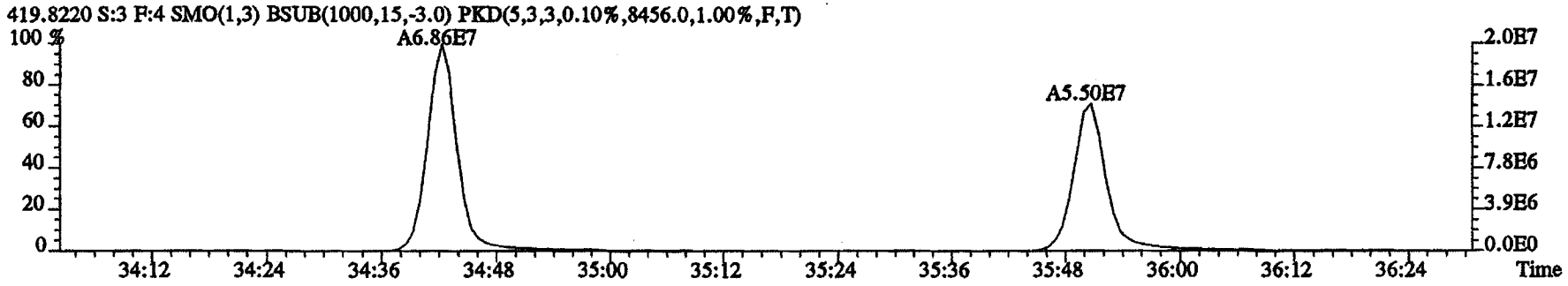


File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

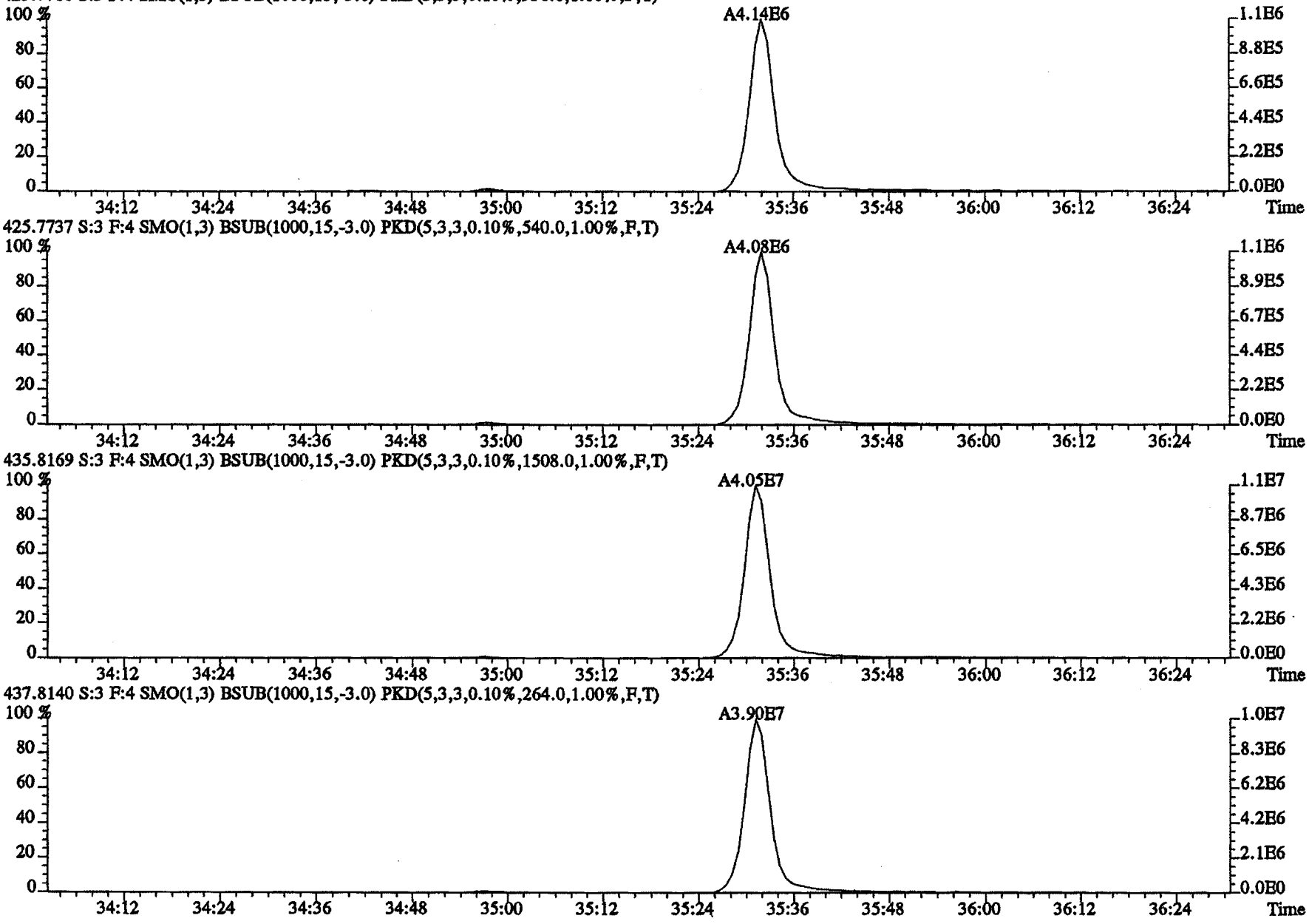




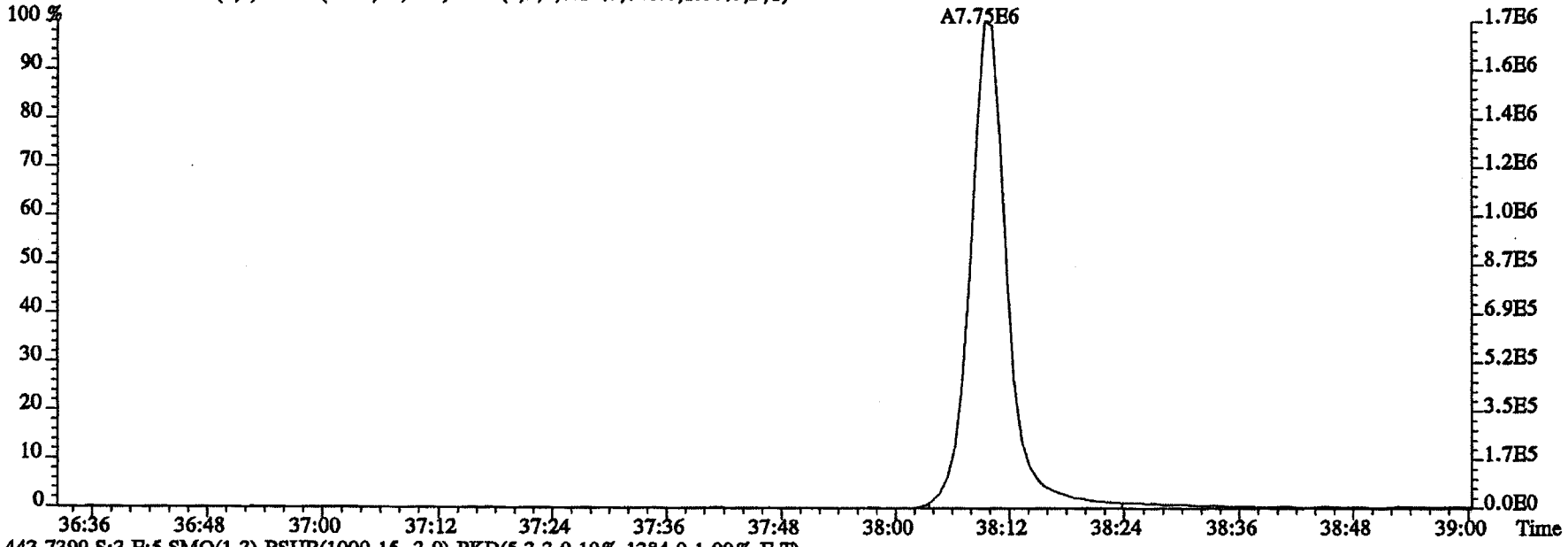




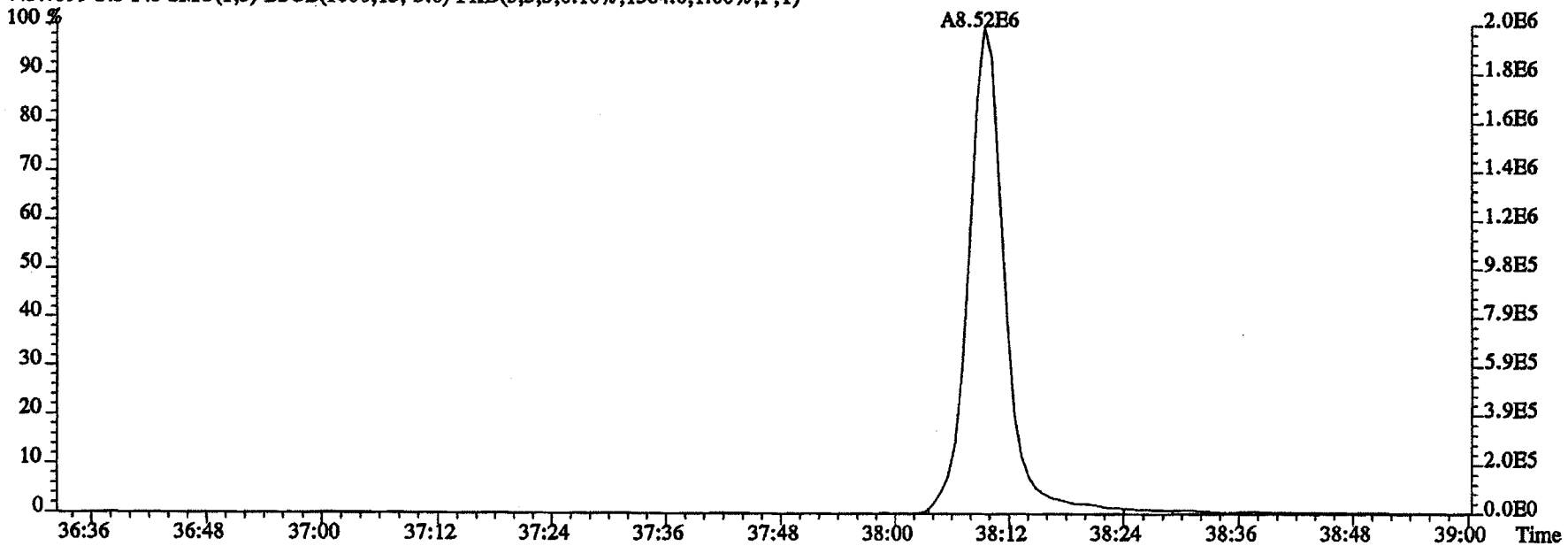
File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-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)

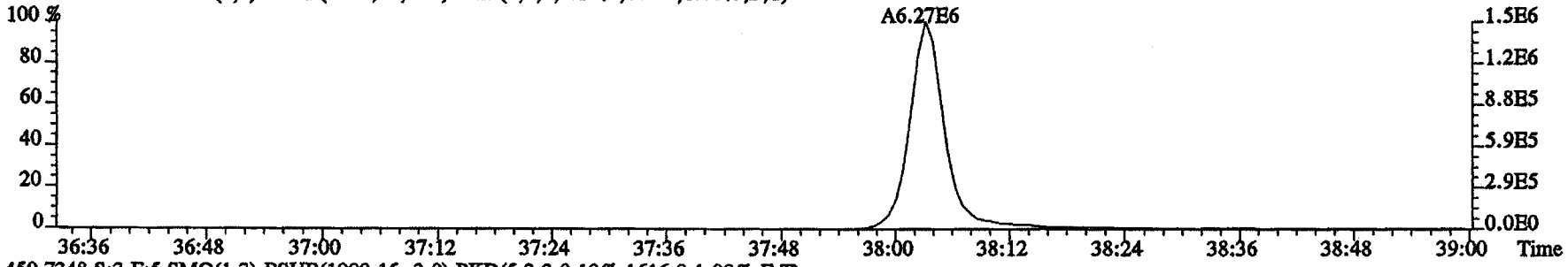


443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1384.0,1.00%,F,T)

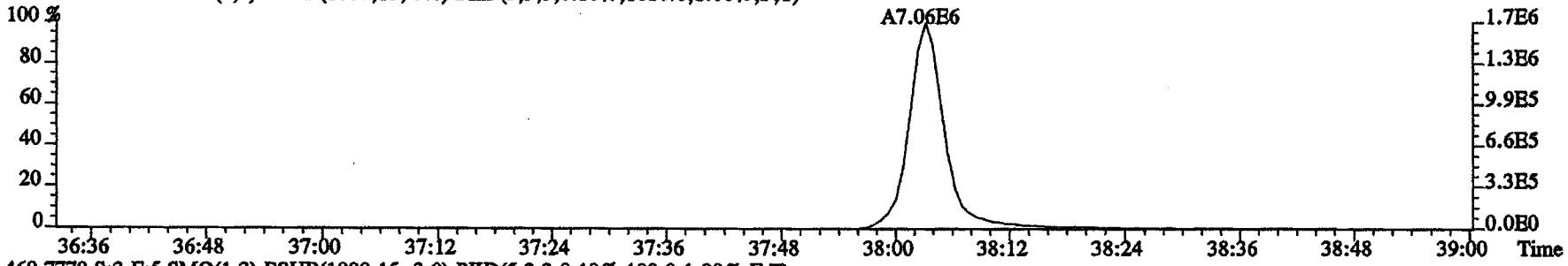


File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

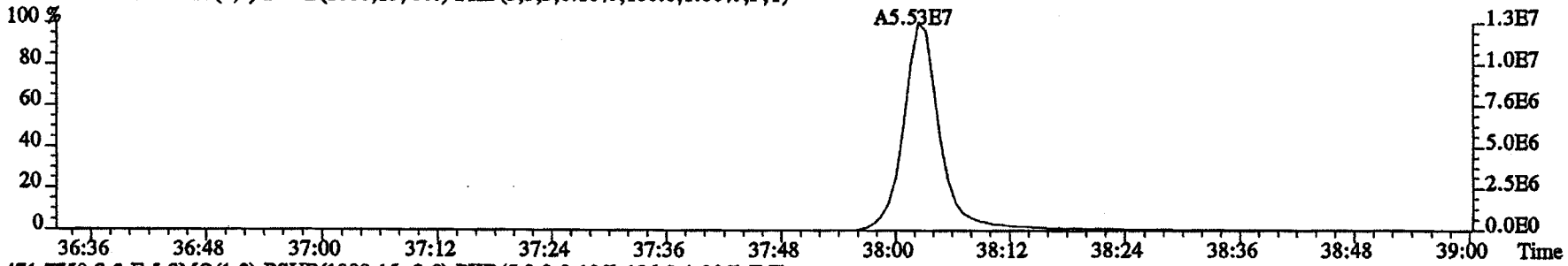
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,604.0,1.00%,F,T)



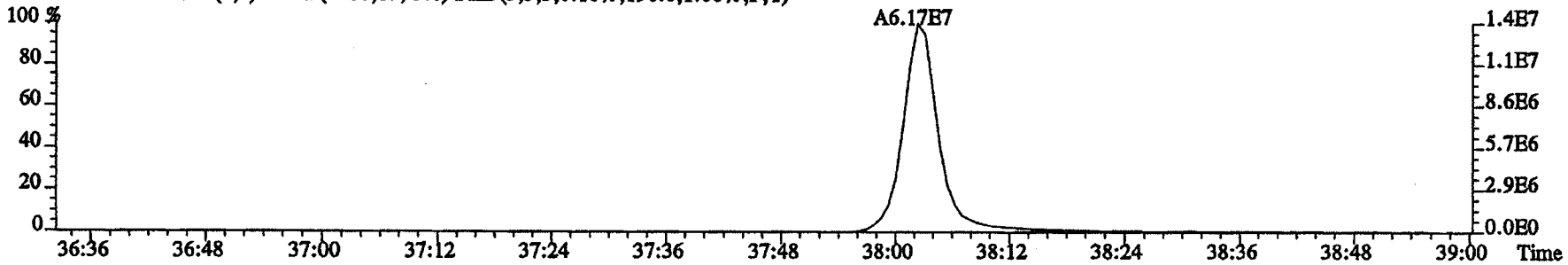
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1616.0,1.00%,F,T)



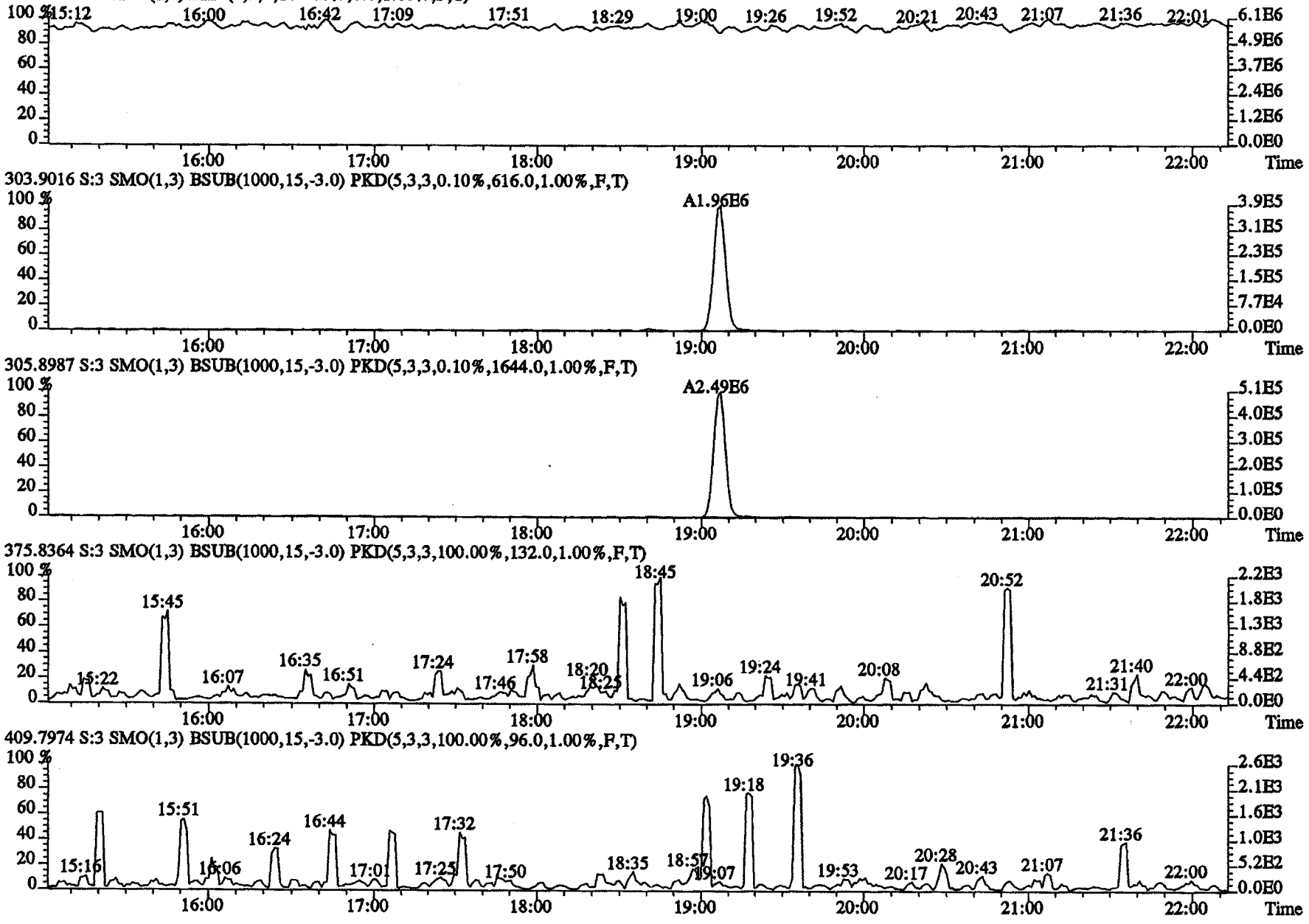
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)



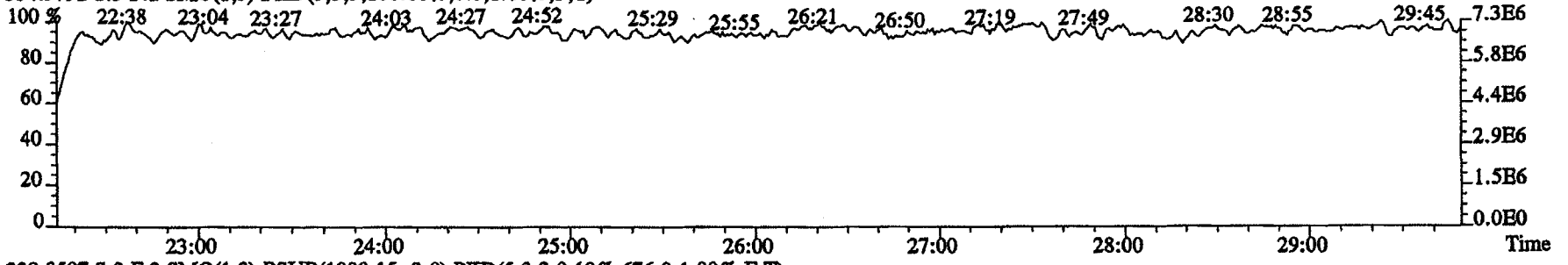
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,196.0,1.00%,F,T)



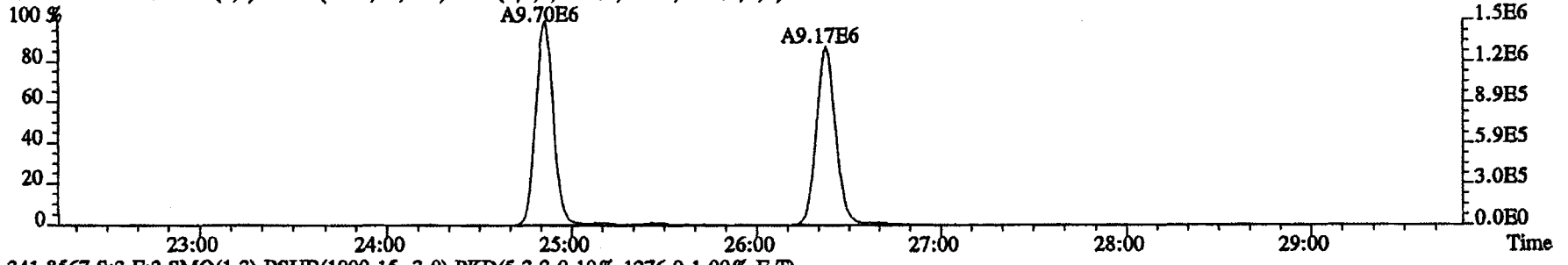
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



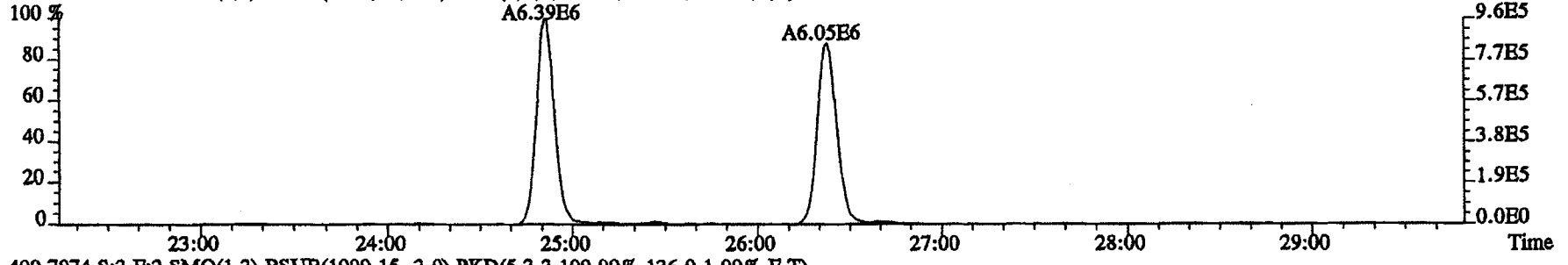
File:12AP104D5 #1-605 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



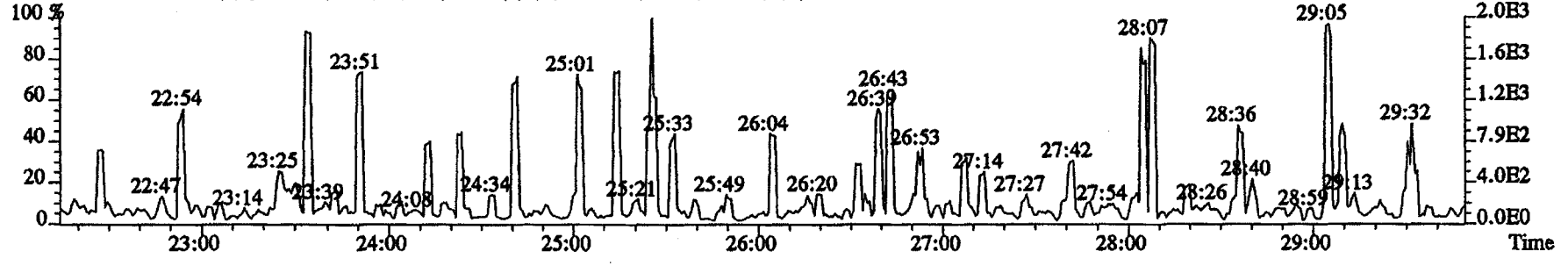
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



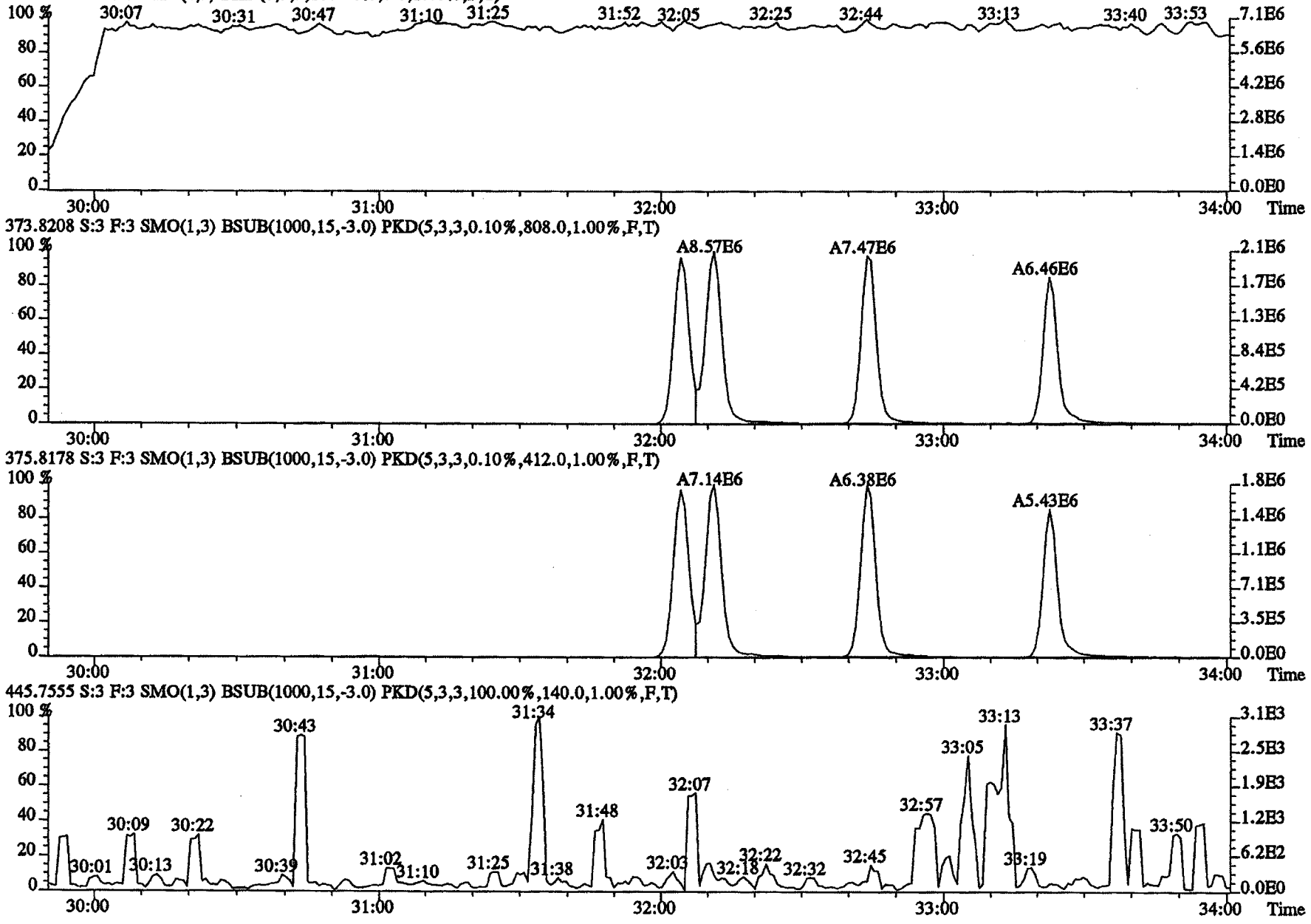
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)

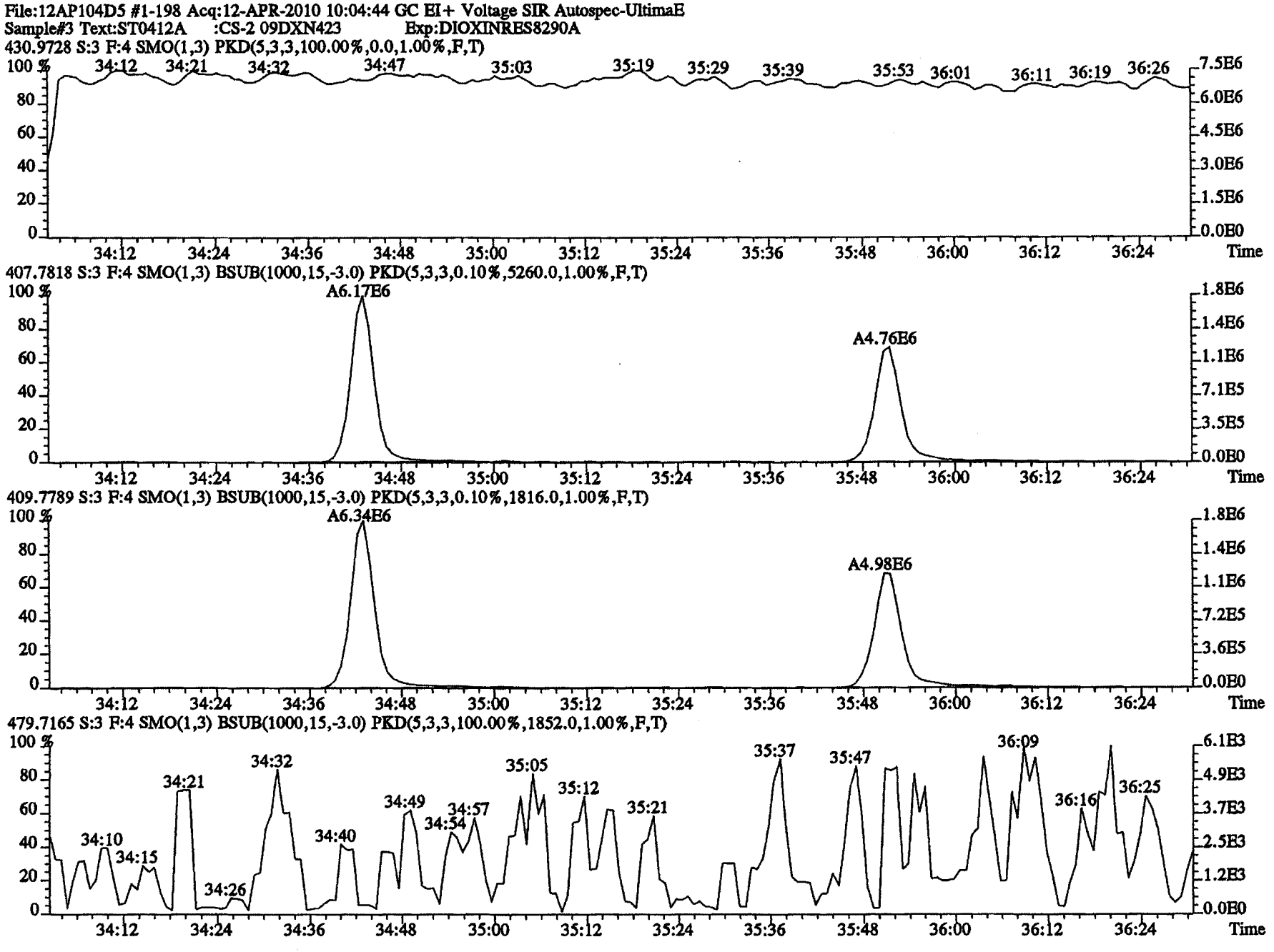


409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,136.0,1.00%,F,T)

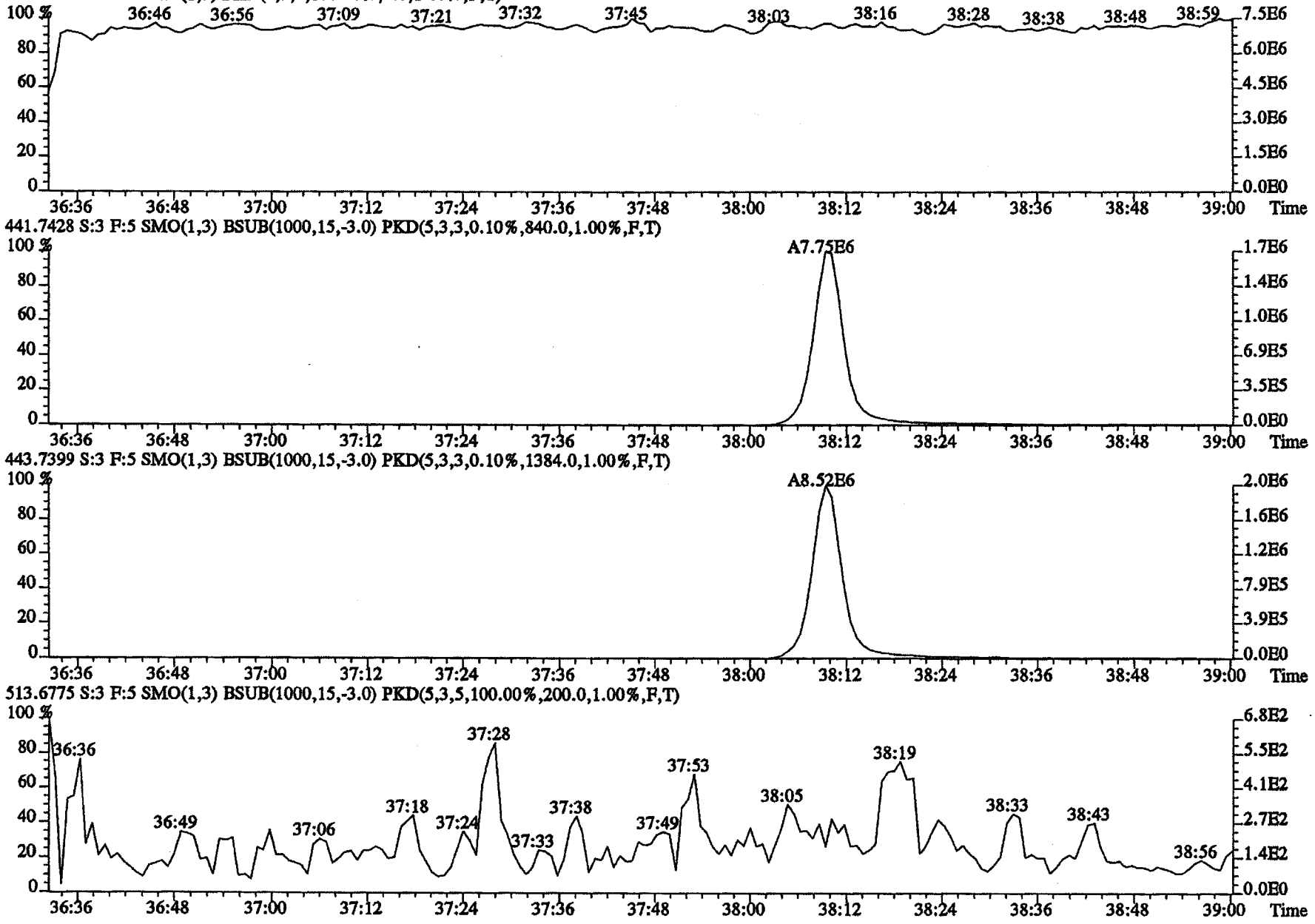


File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

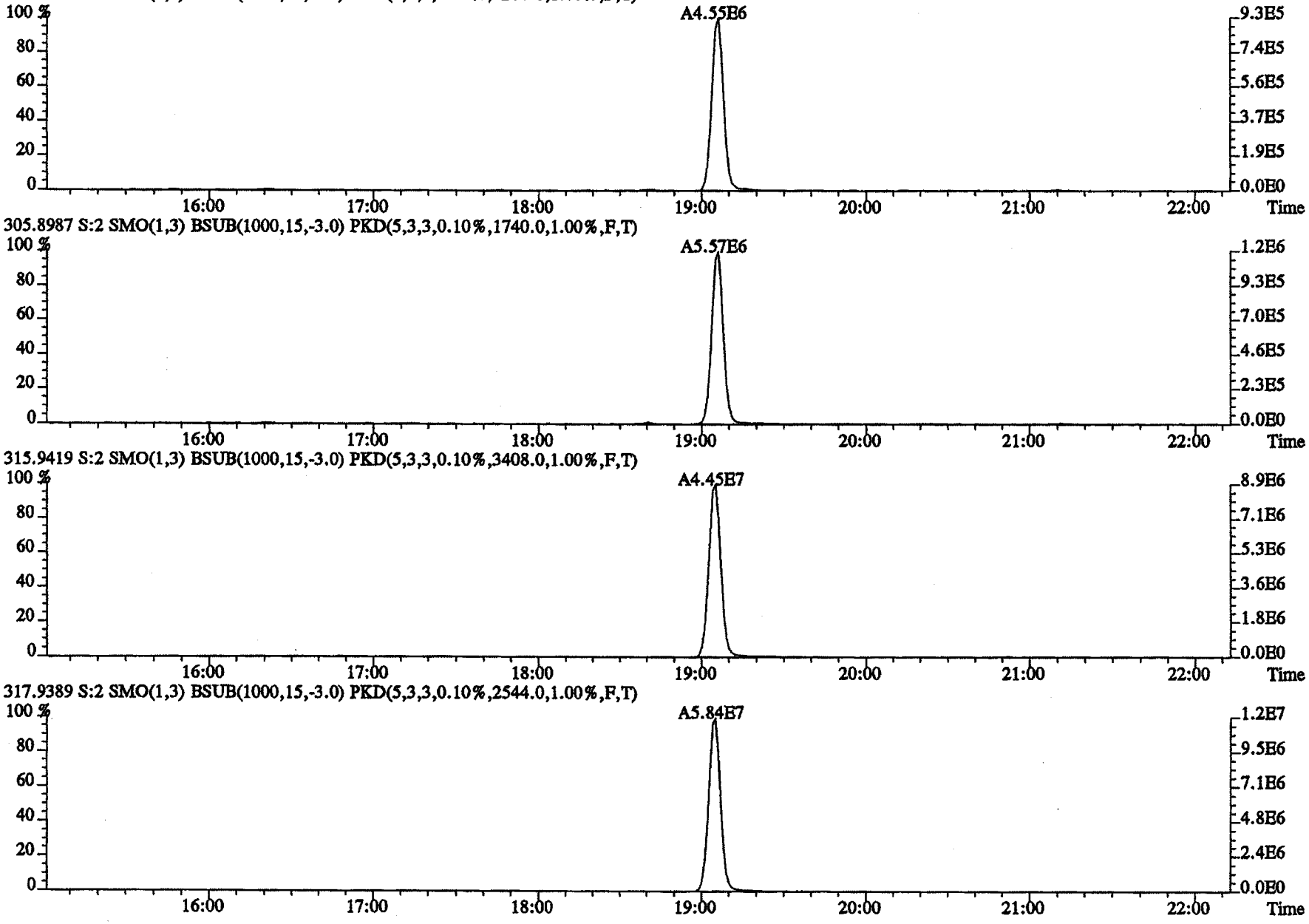



File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5260.0,1.00%,F,T)
A6.17E6
A4.76E6
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1816.0,1.00%,F,T)
A6.34E6
A4.98E6
479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1852.0,1.00%,F,T)
Time

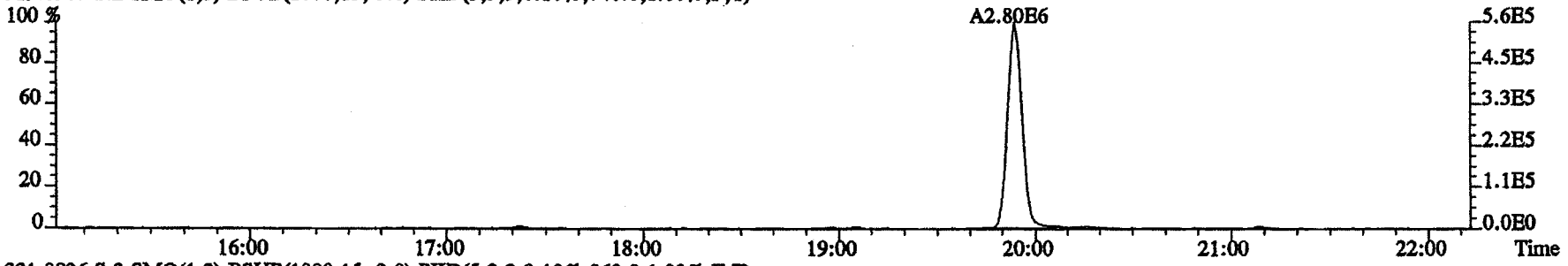
File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A

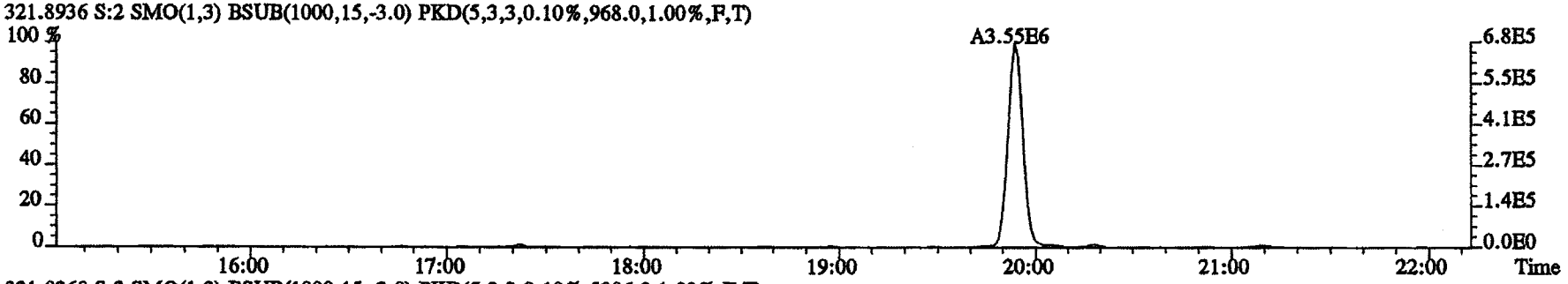


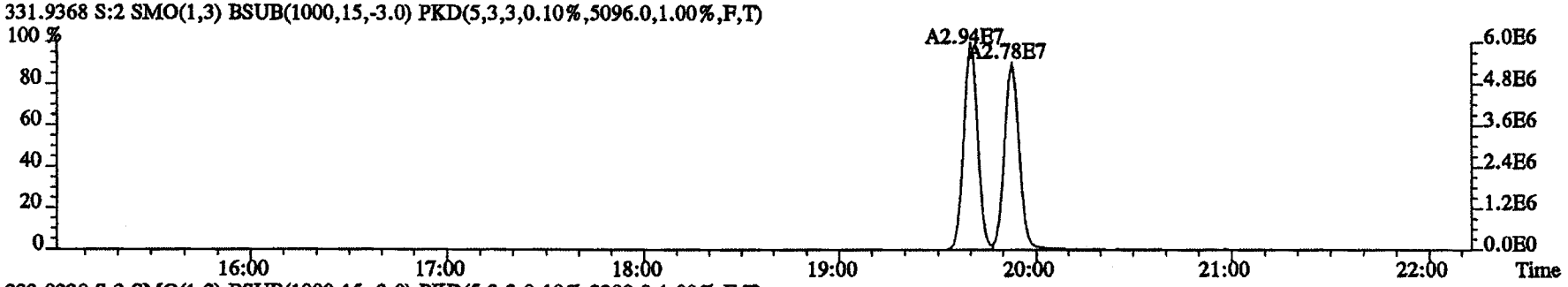
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

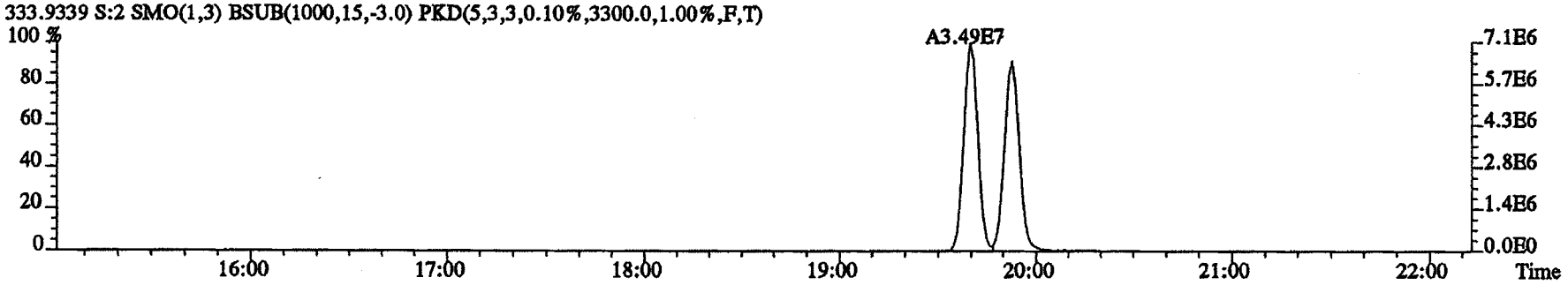


File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

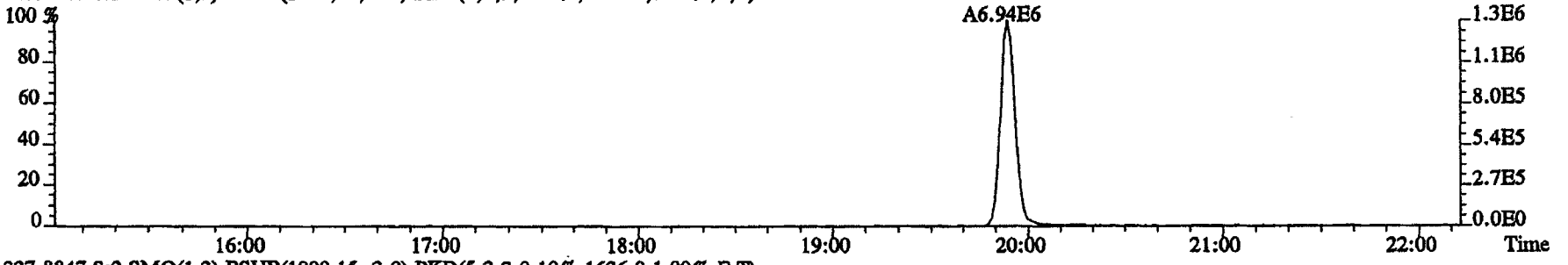




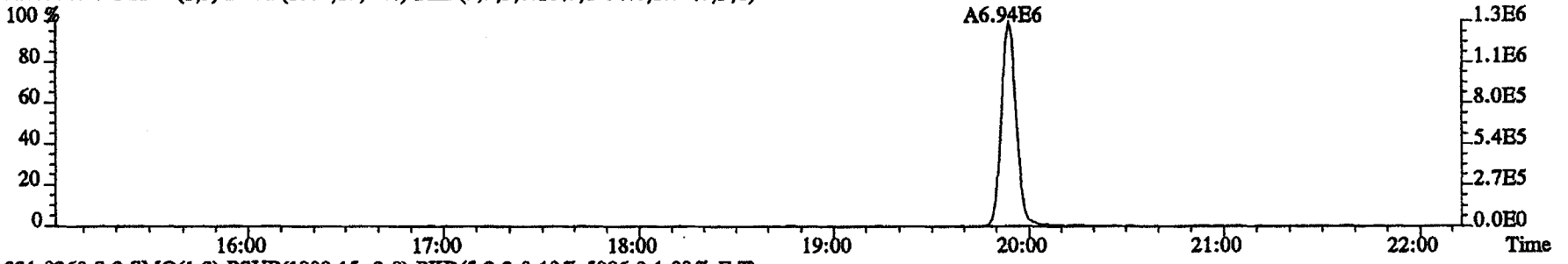




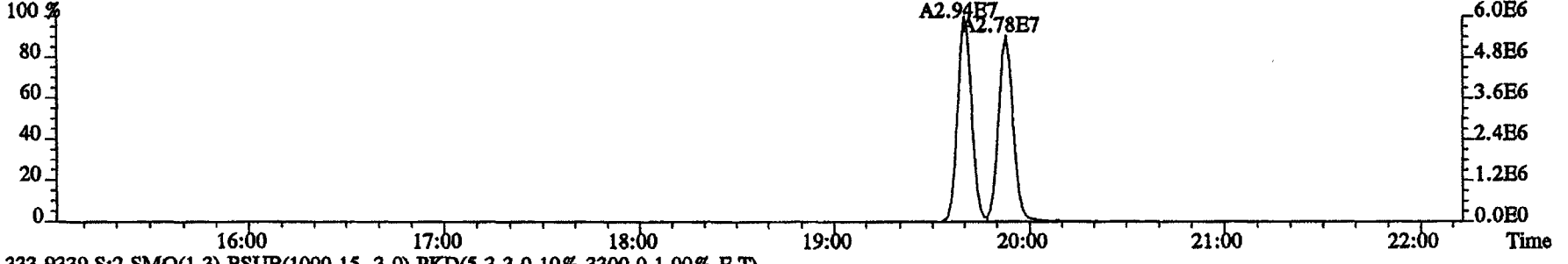
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)



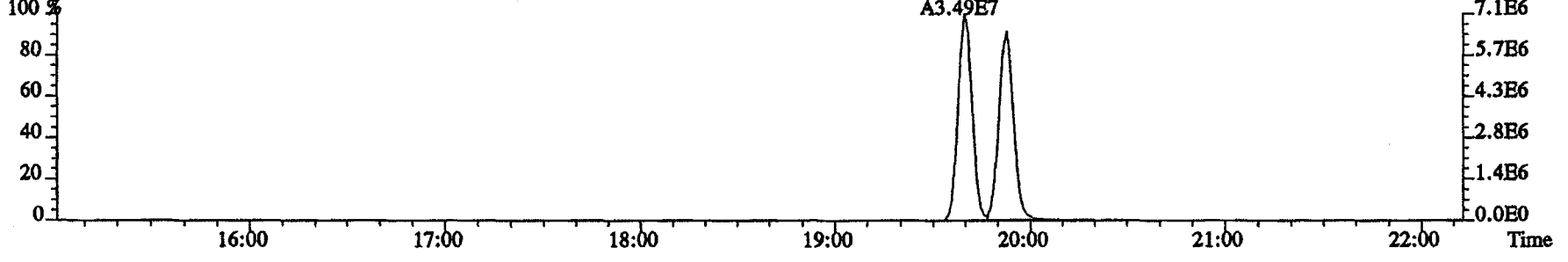
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5096.0,1.00%,F,T)

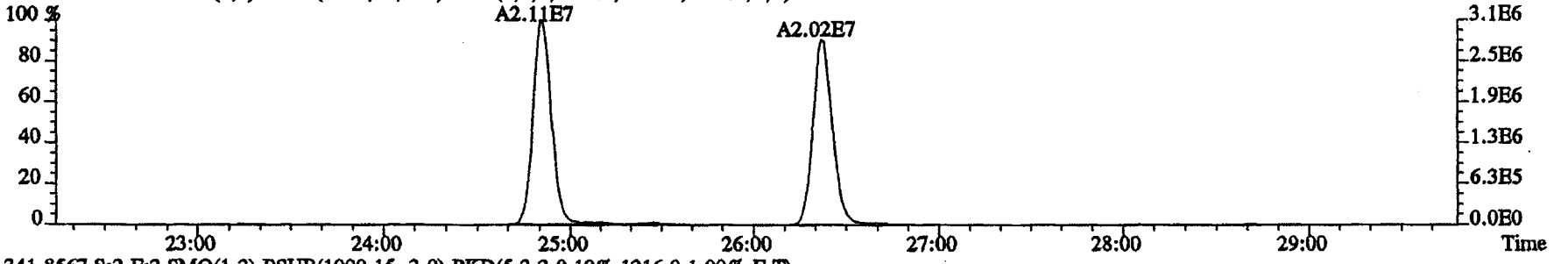


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3300.0,1.00%,F,T)

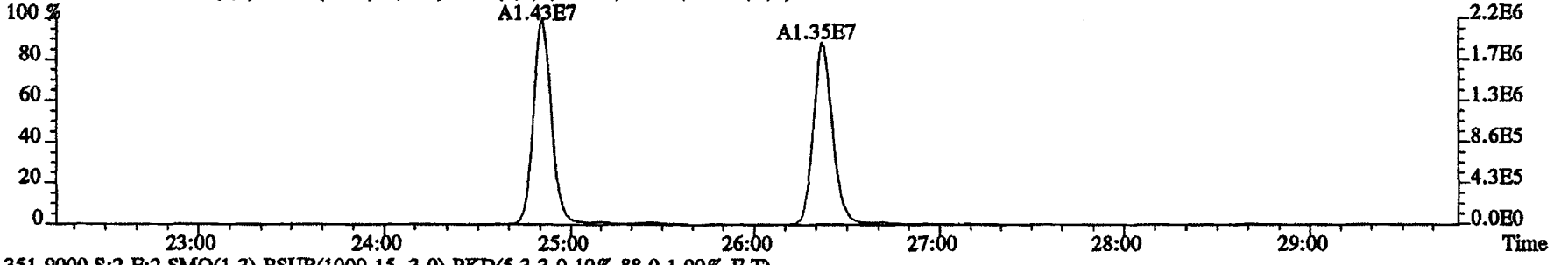


File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

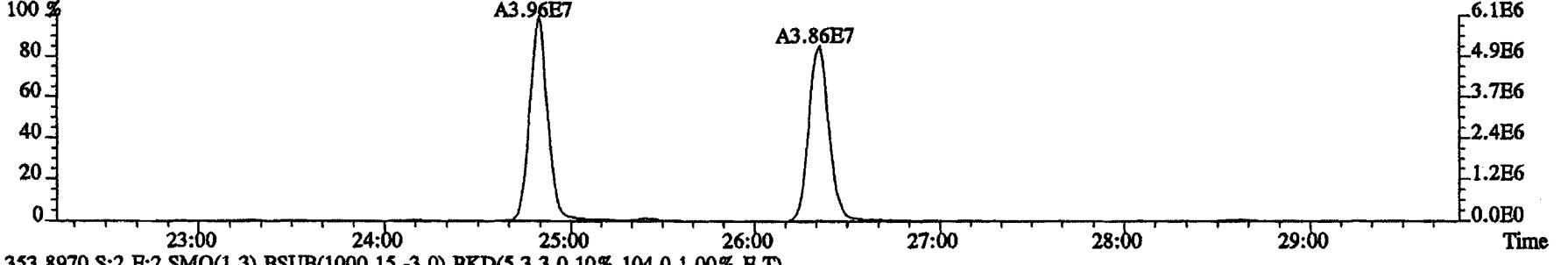
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1572.0,1.00%,F,T)



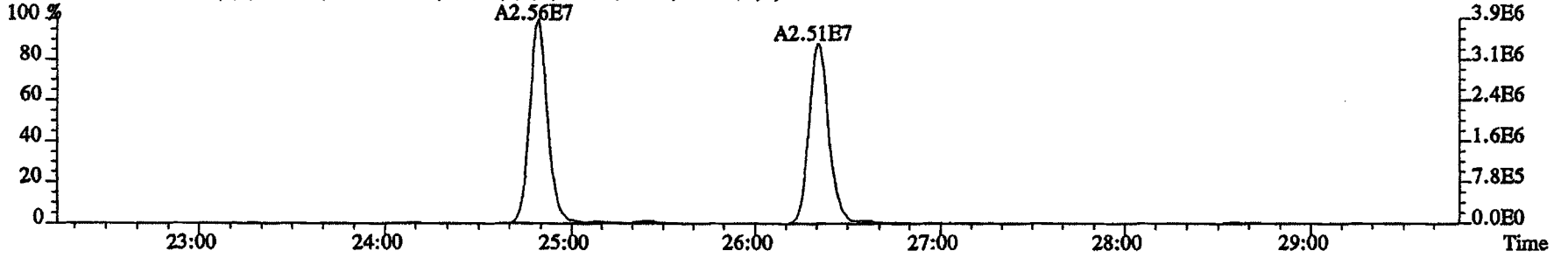
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



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)

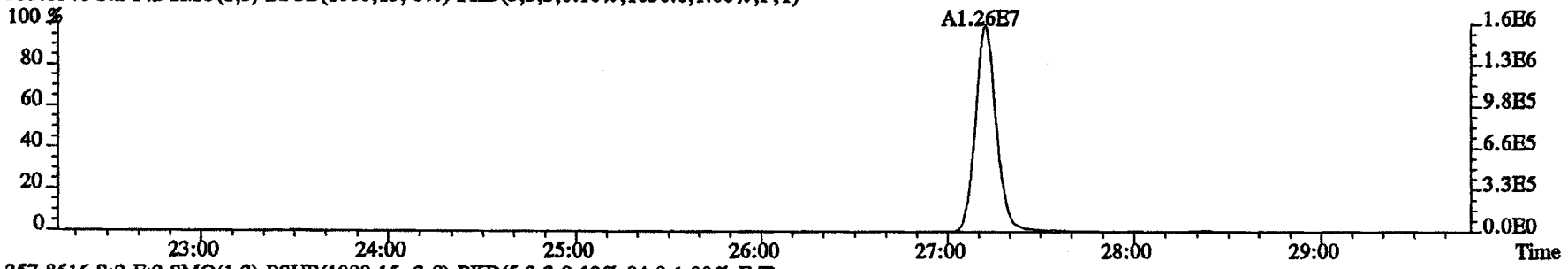


353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)

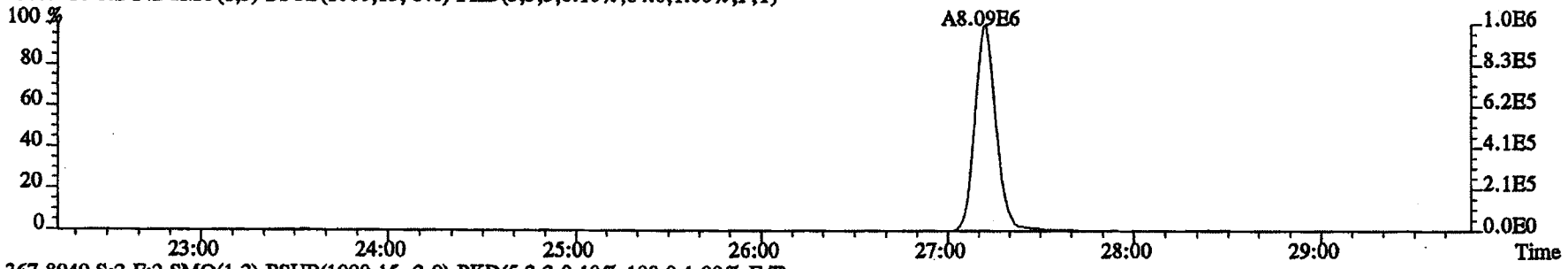


File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

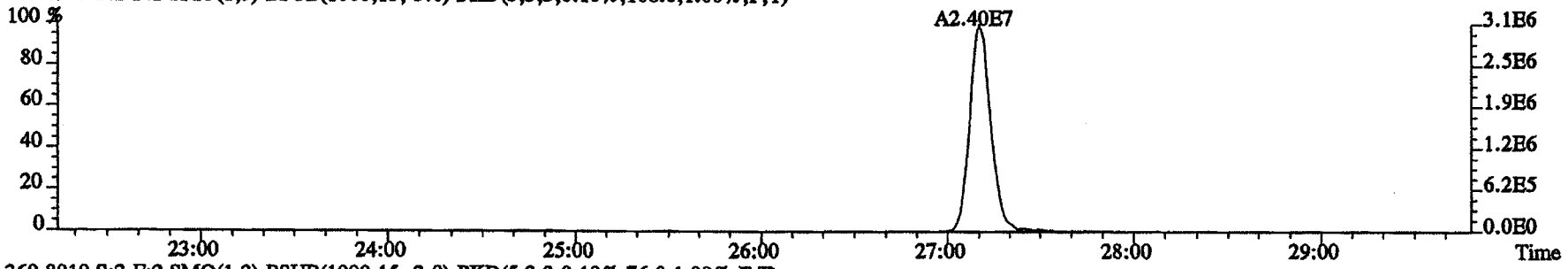
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1036.0,1.00%,F,T)



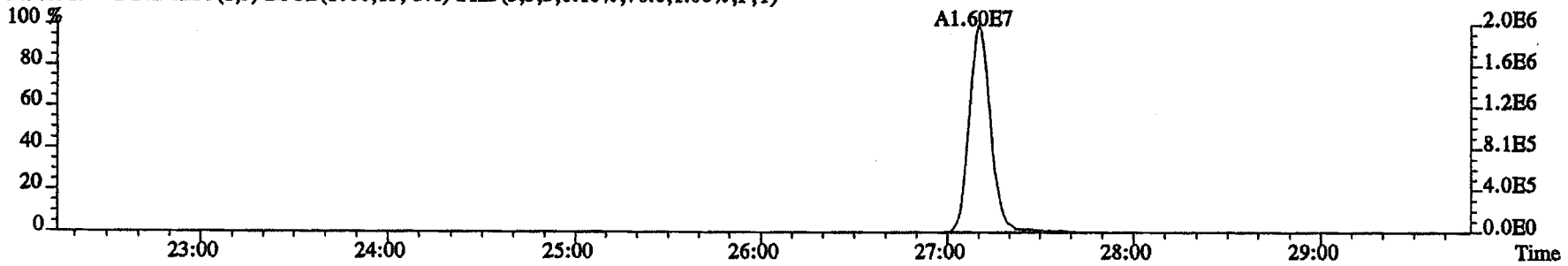
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



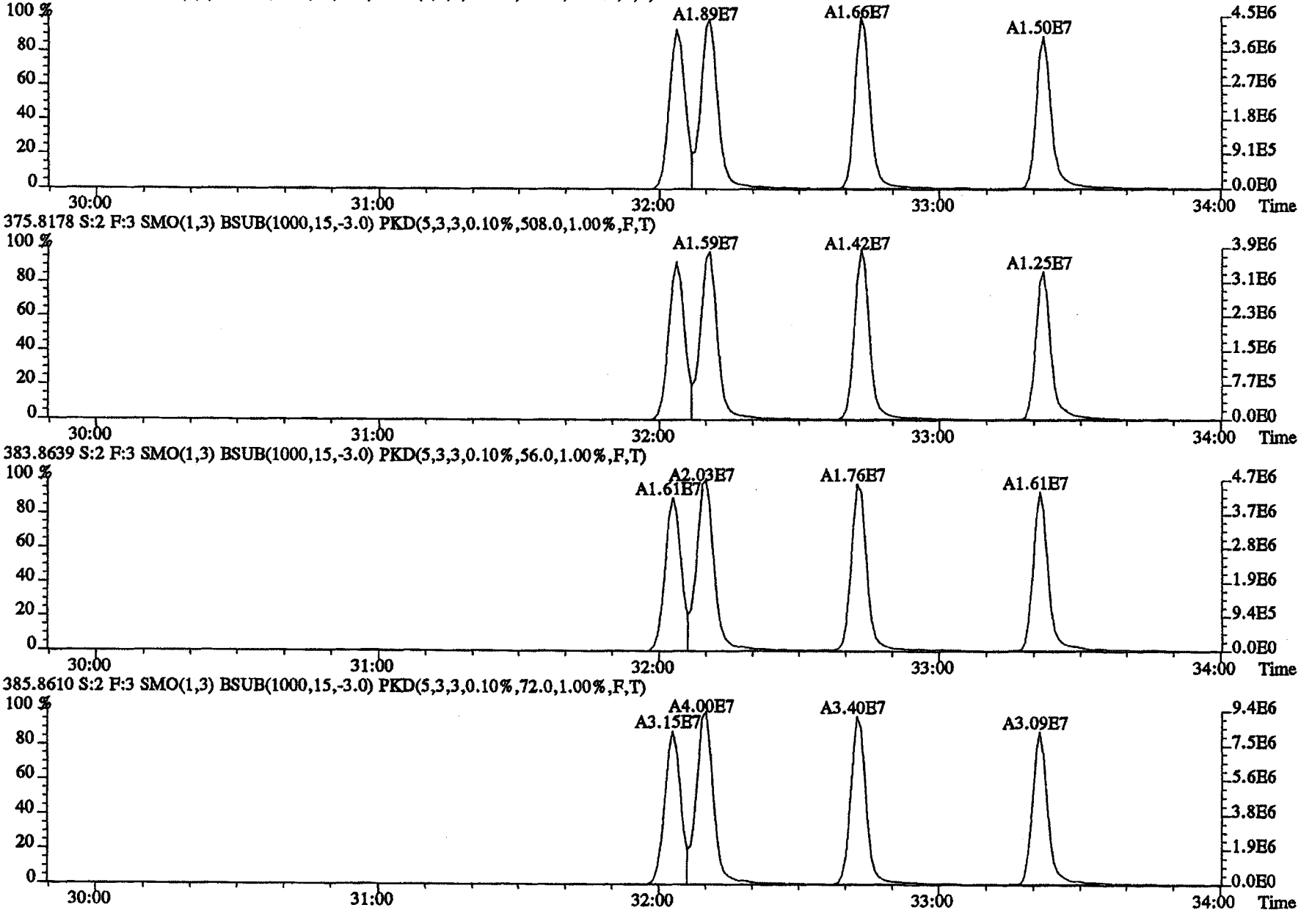
367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)



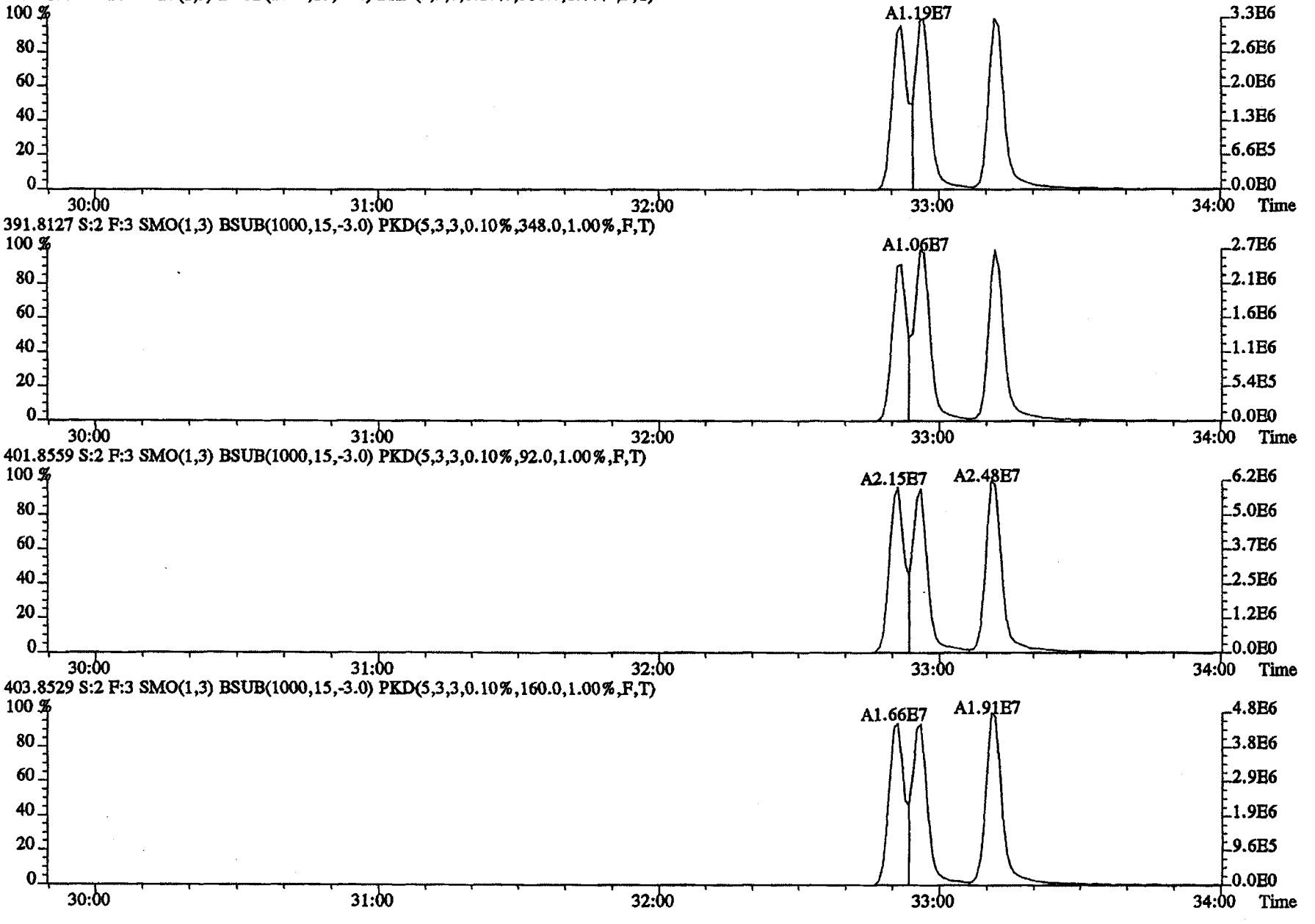
369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



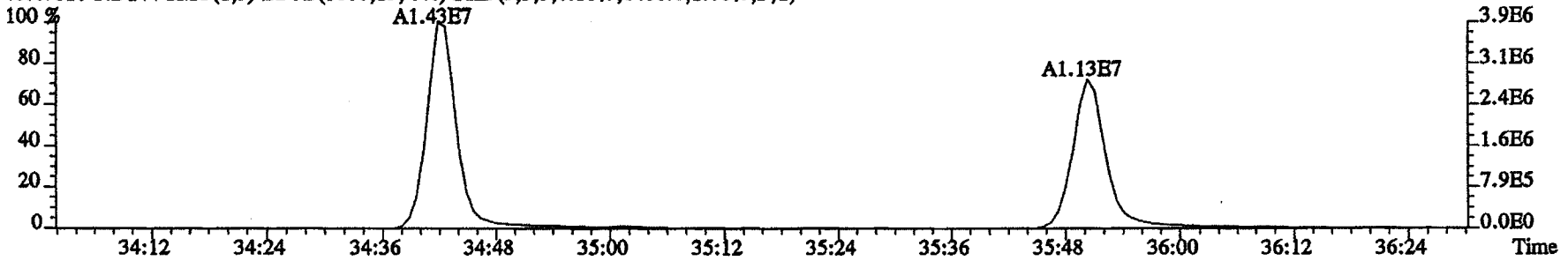
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

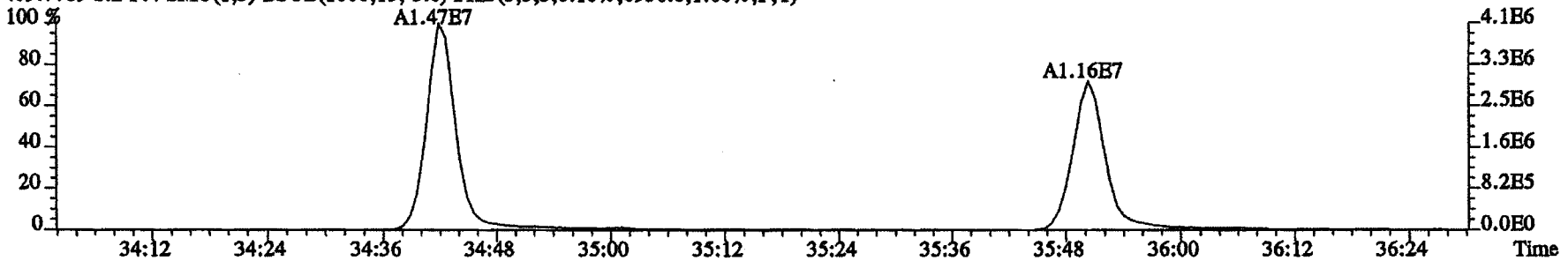


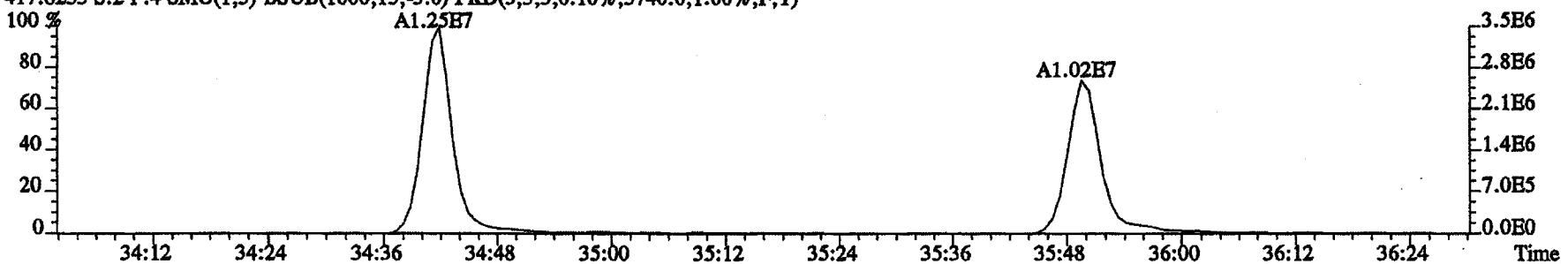
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

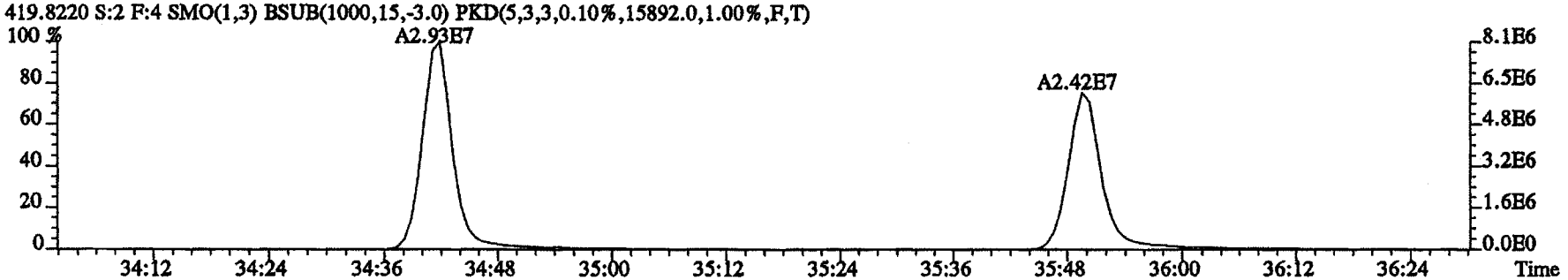


File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

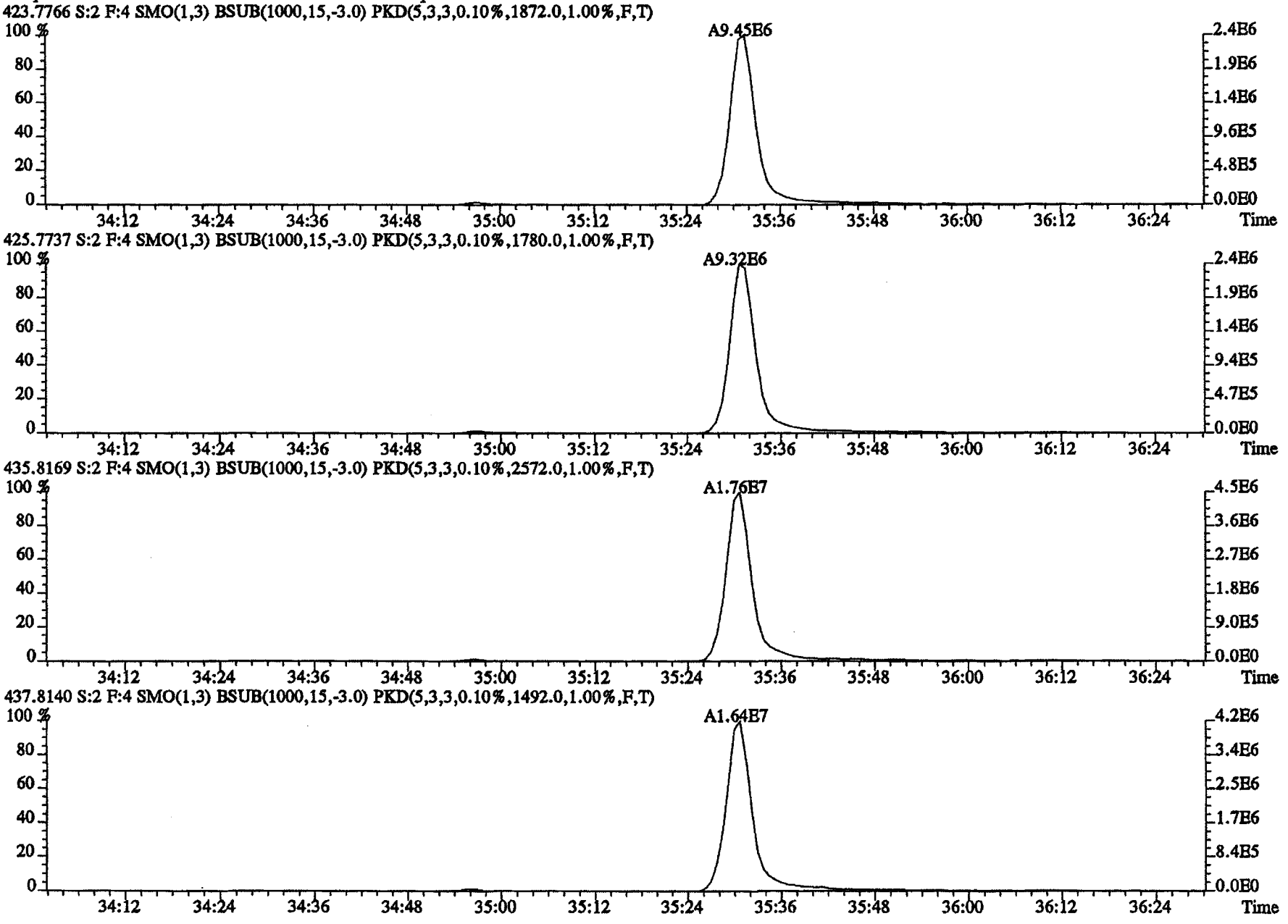




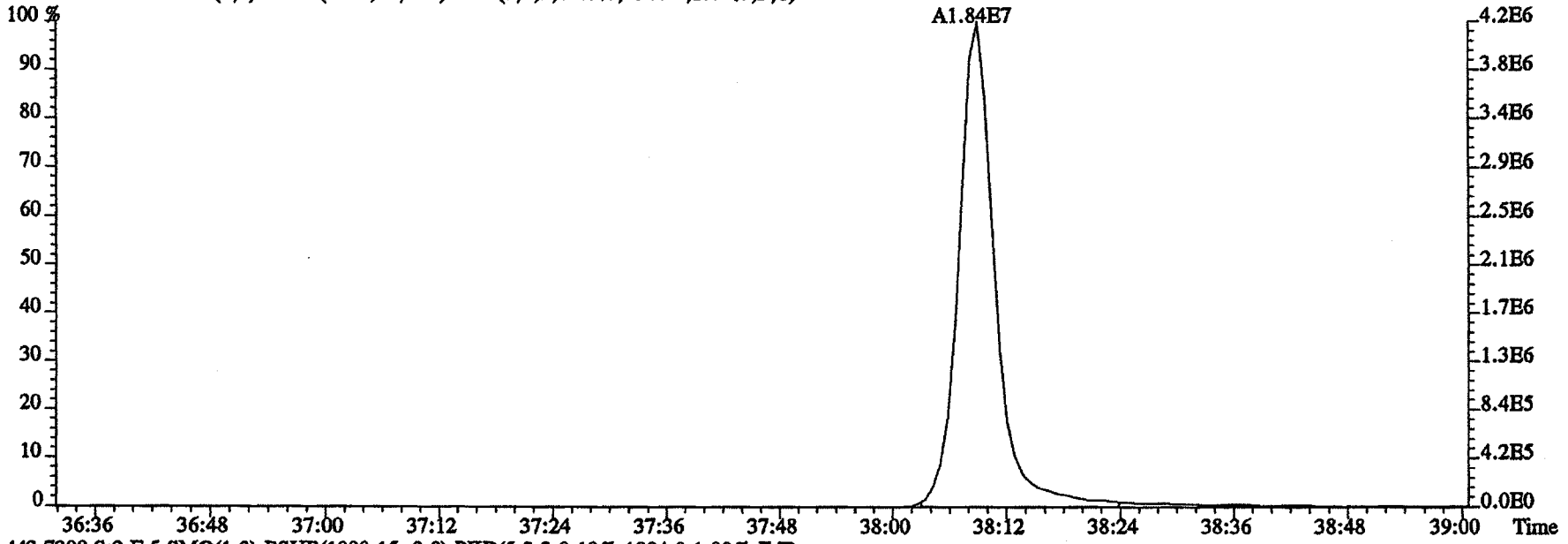




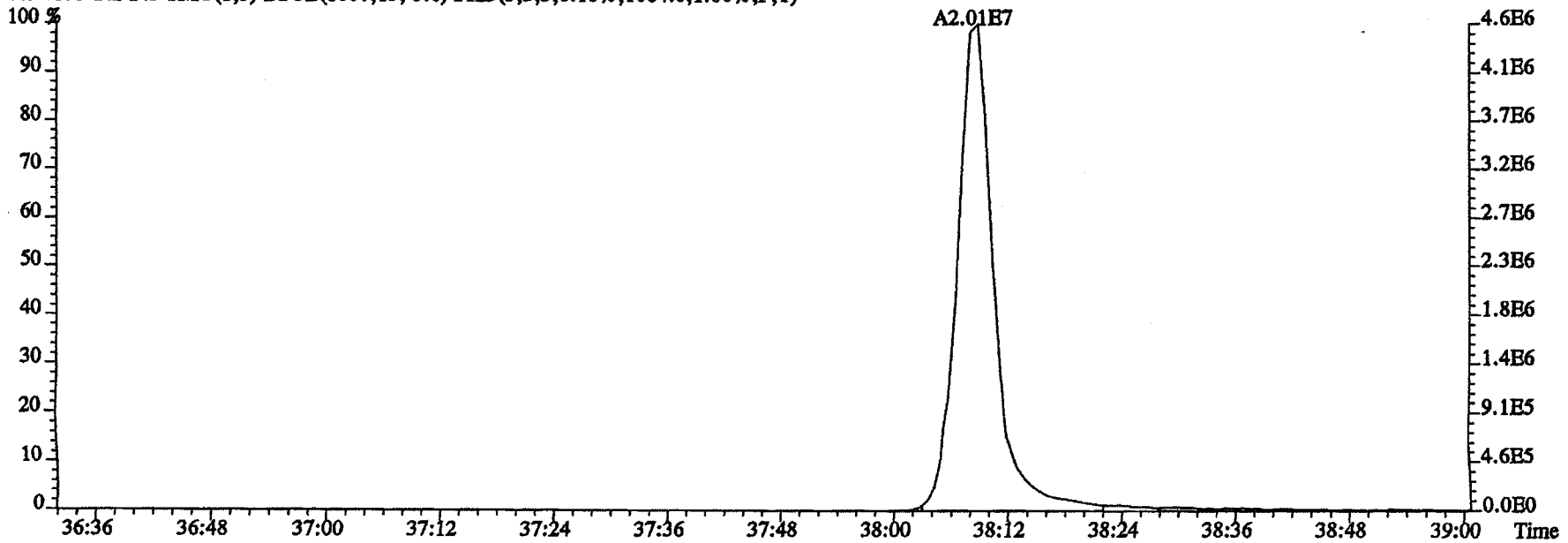
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



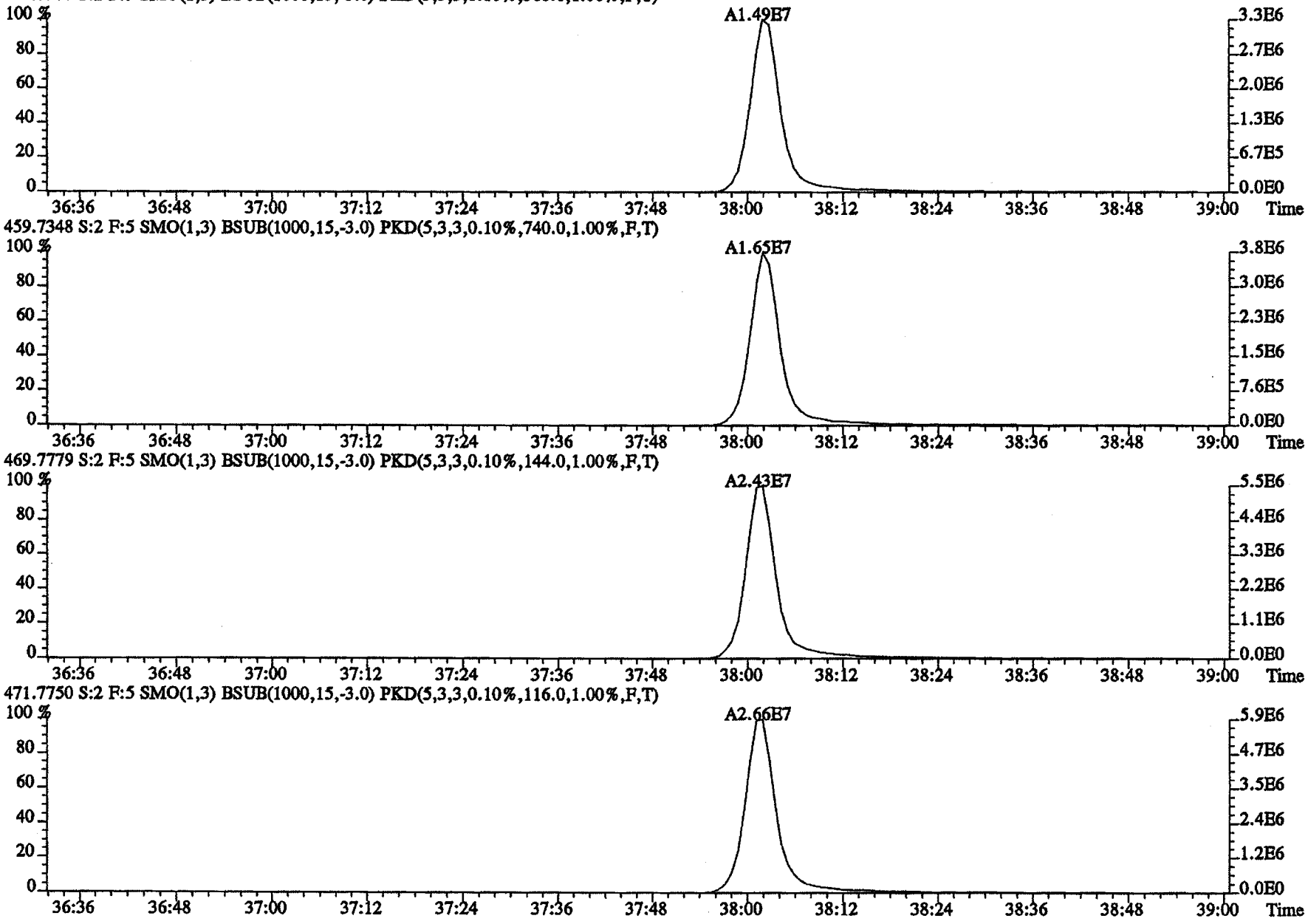
File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1340.0,1.00%,F,T)



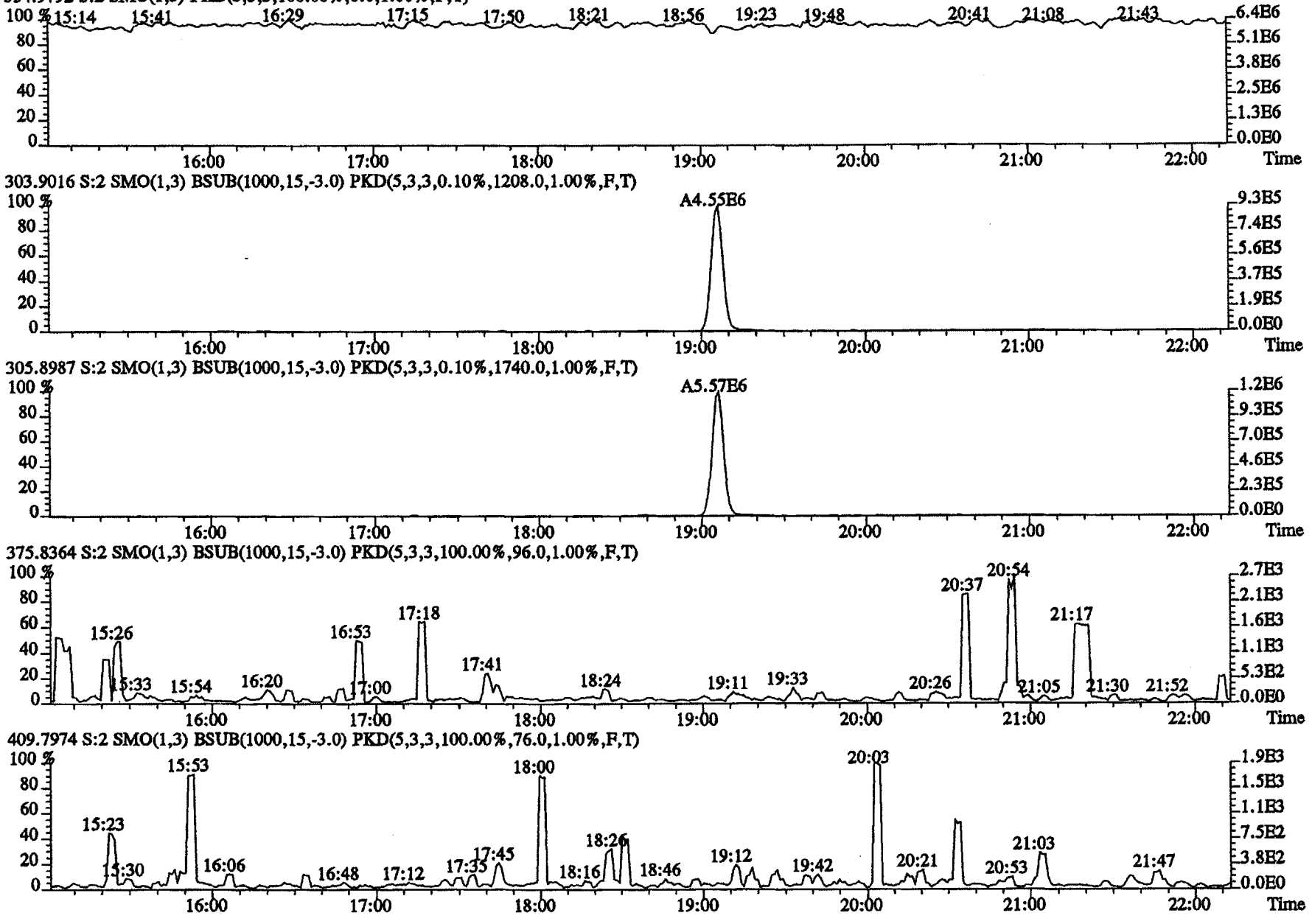
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)



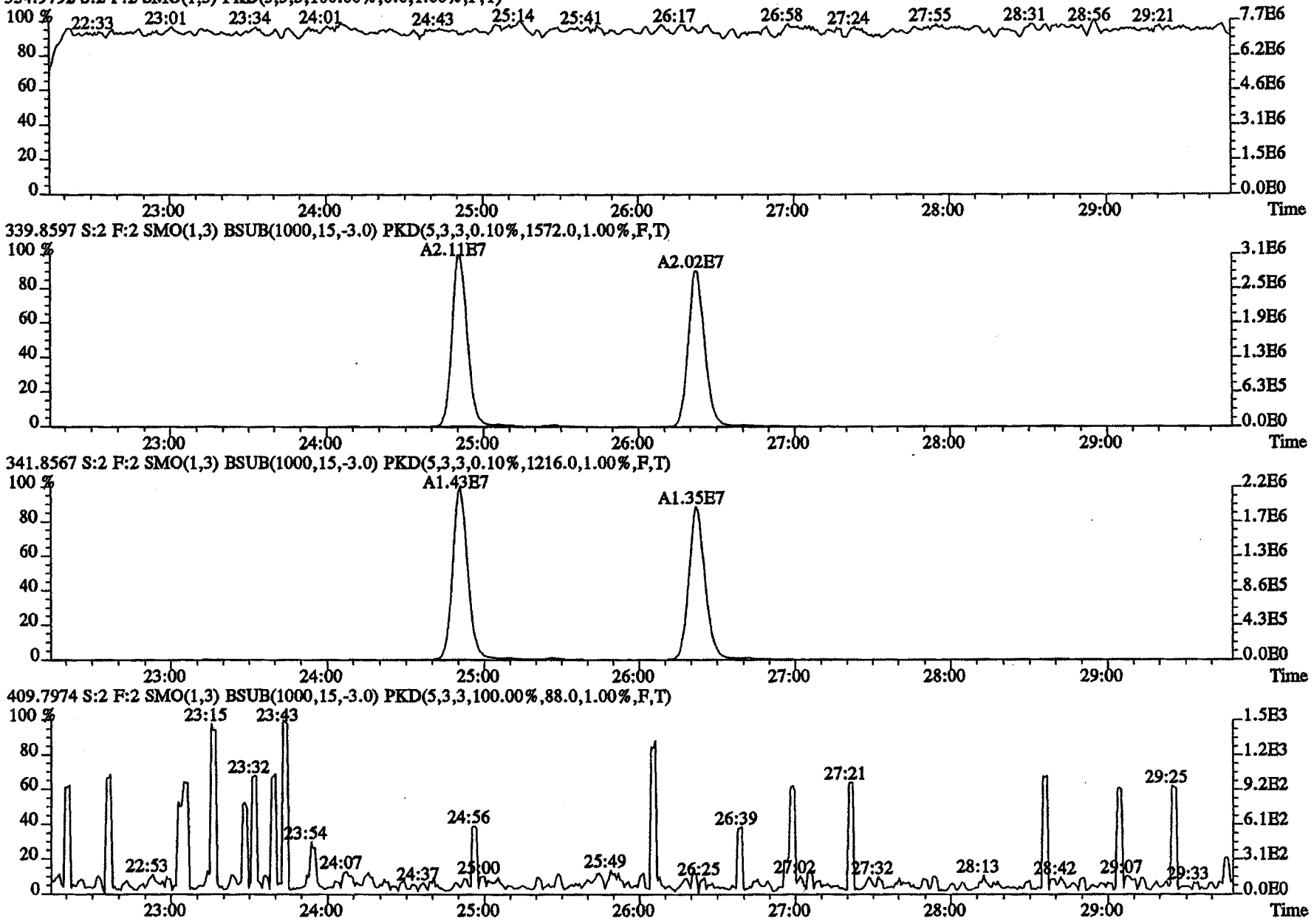
File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



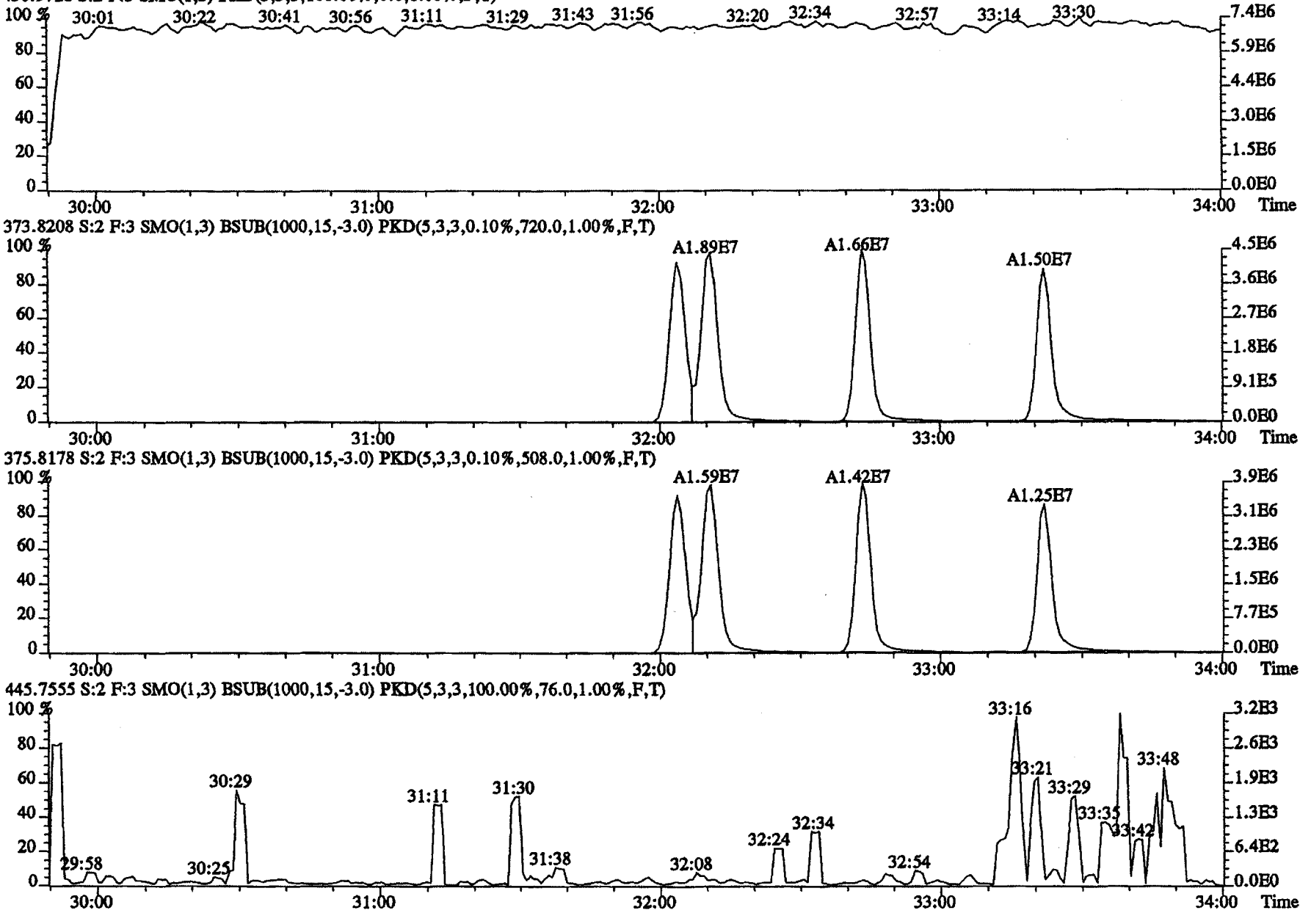
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

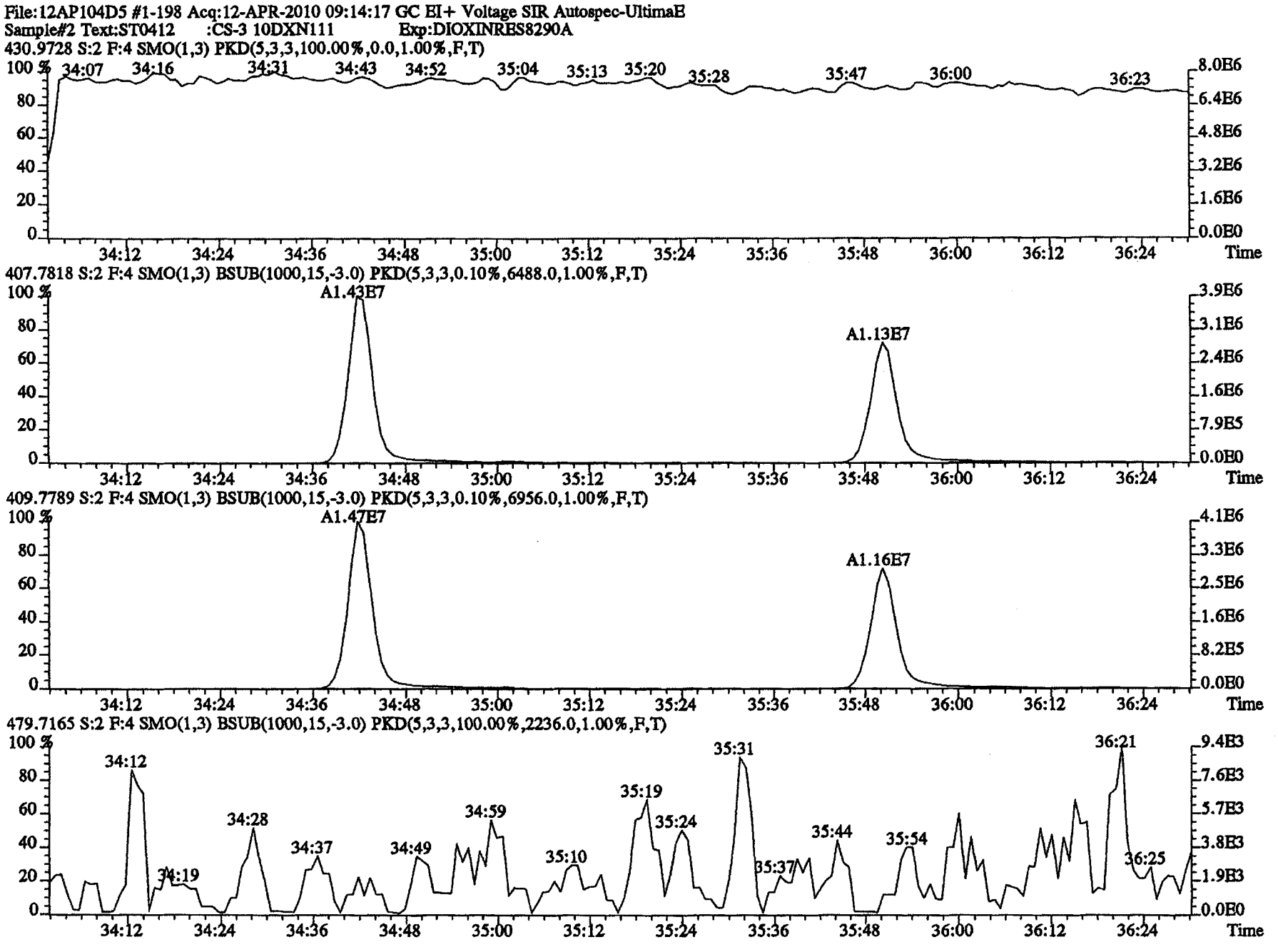


File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

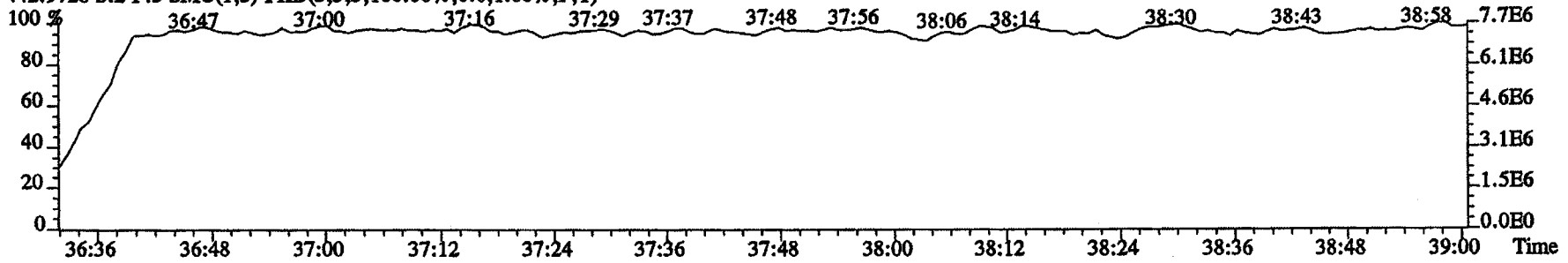


File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

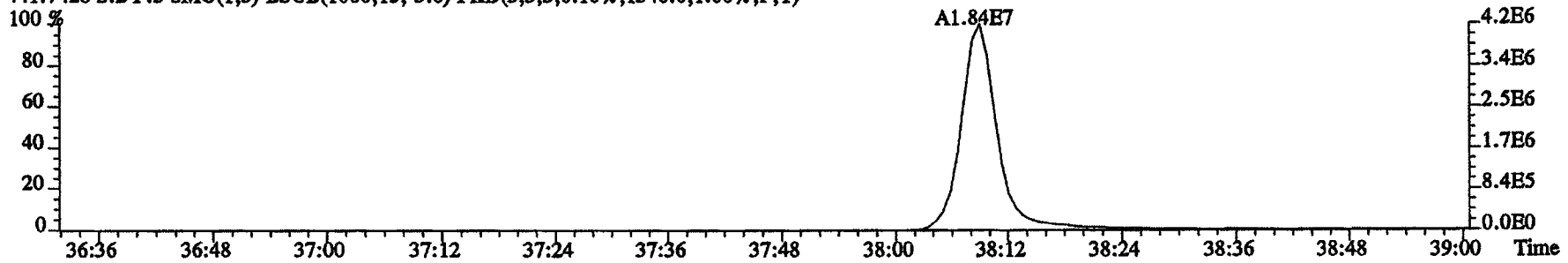



File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6488.0,1.00%,F,T)
A1.43E7
A1.13E7
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6956.0,1.00%,F,T)
A1.47E7
A1.16E7
479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2236.0,1.00%,F,T)
Time

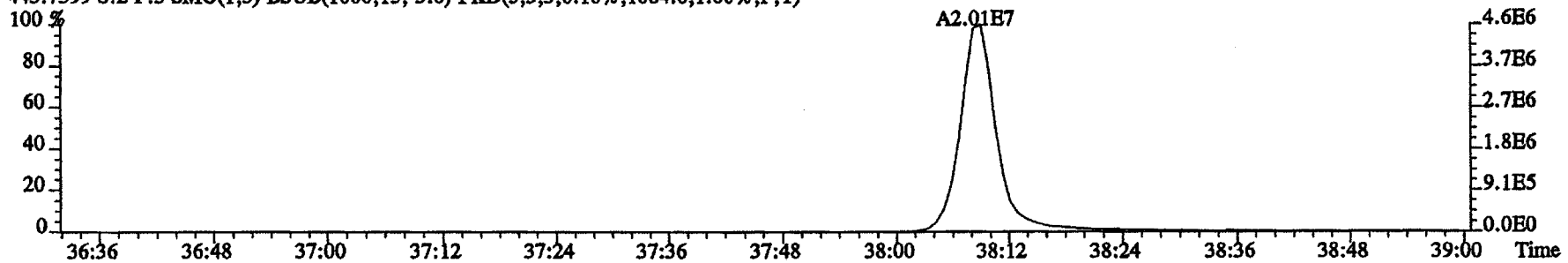
File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



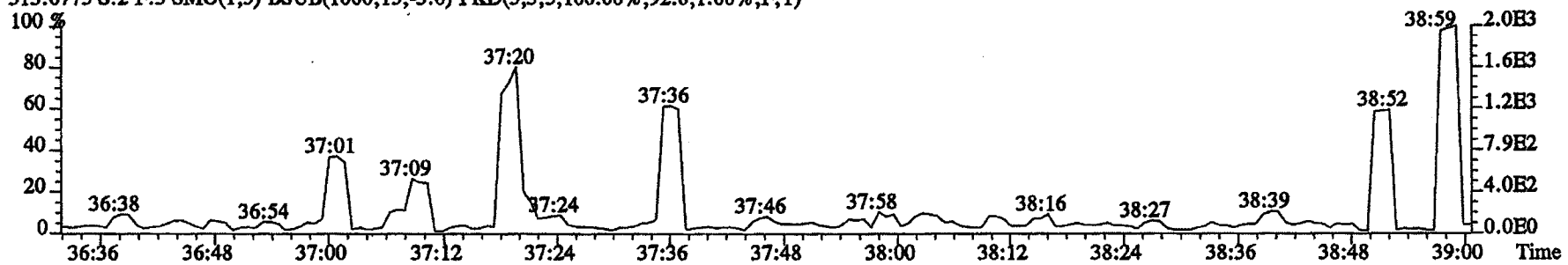
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1340.0,1.00%,F,T)



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)

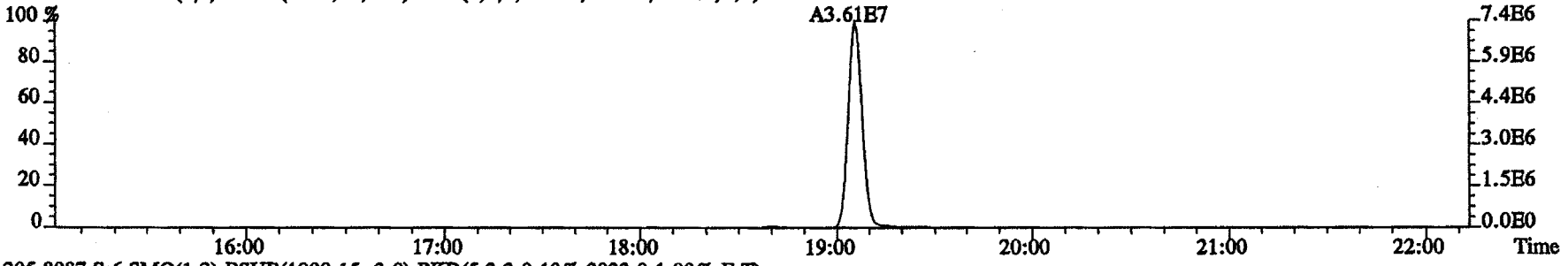


513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,92.0,1.00%,F,T)

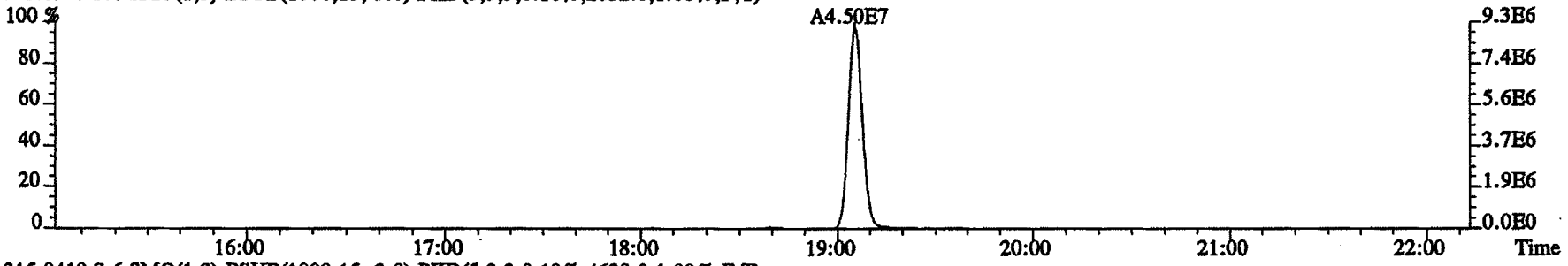


File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

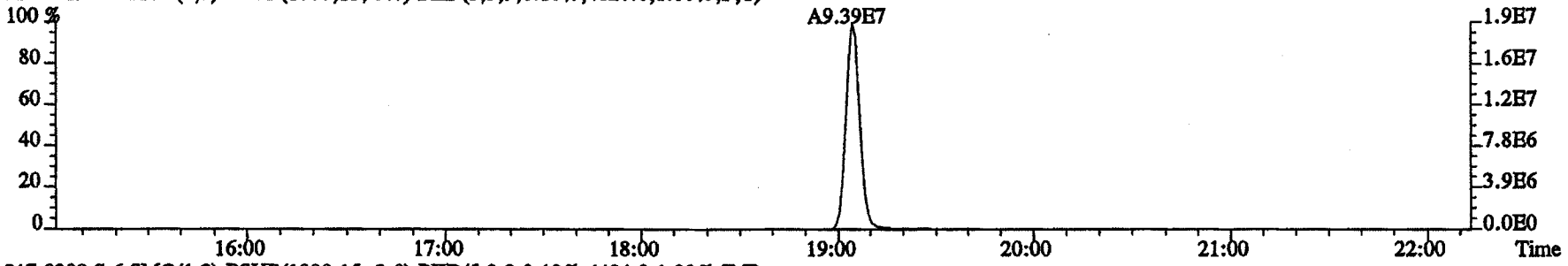
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)



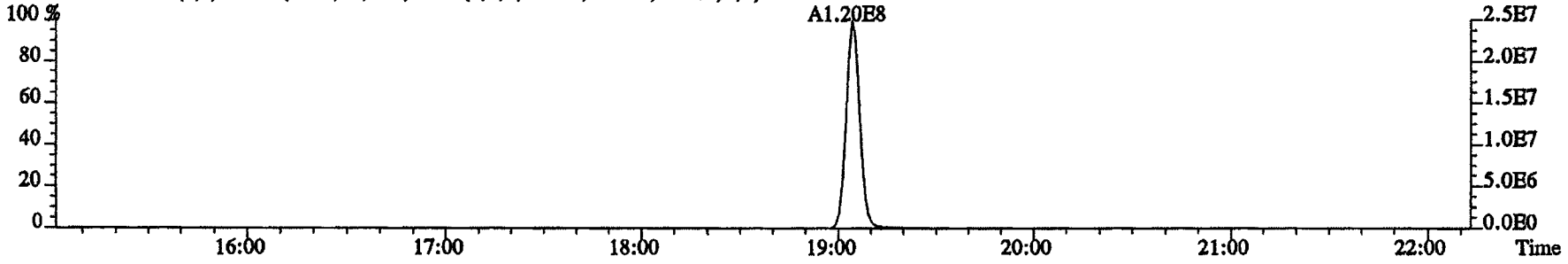
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)



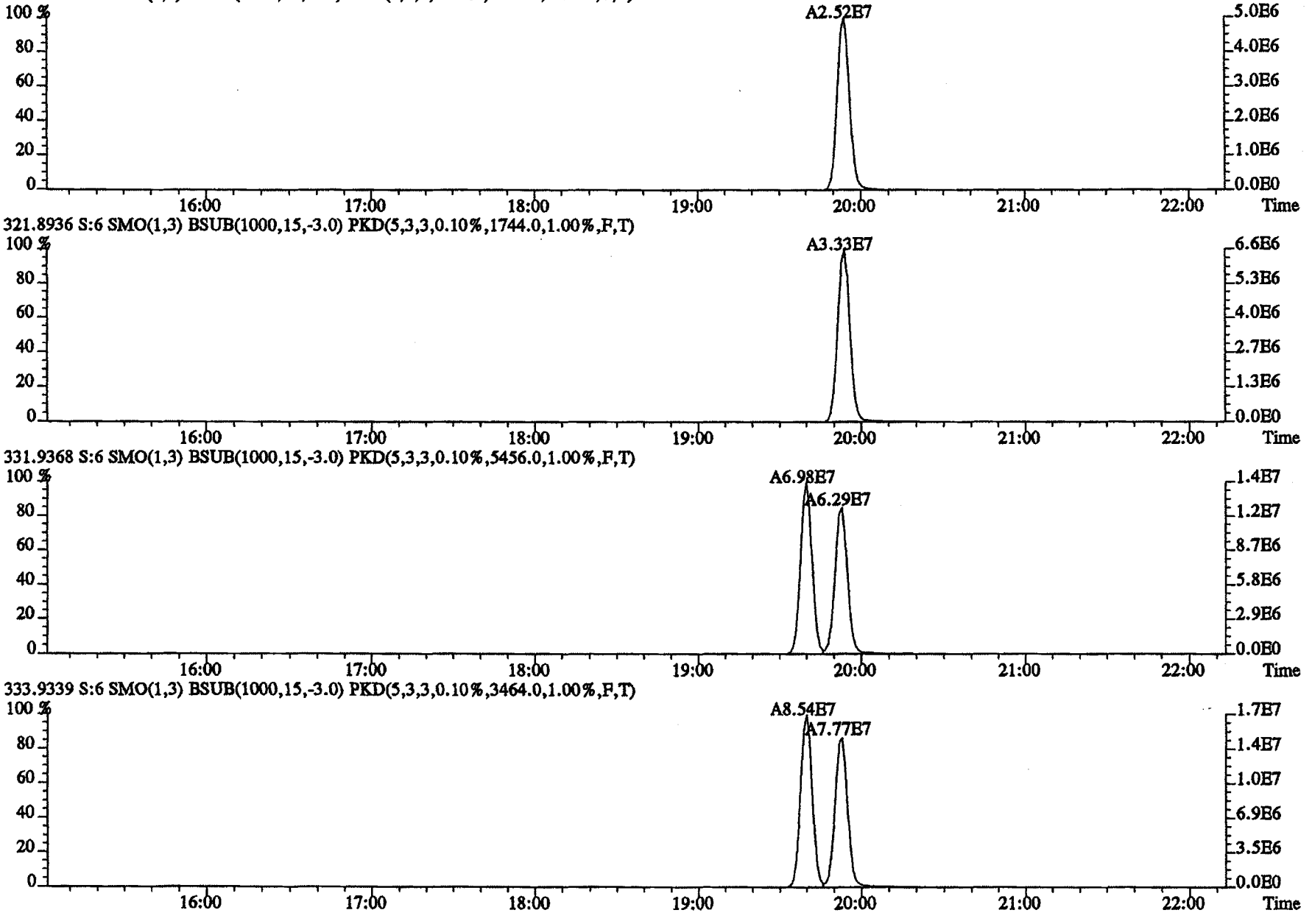
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4620.0,1.00%,F,T)



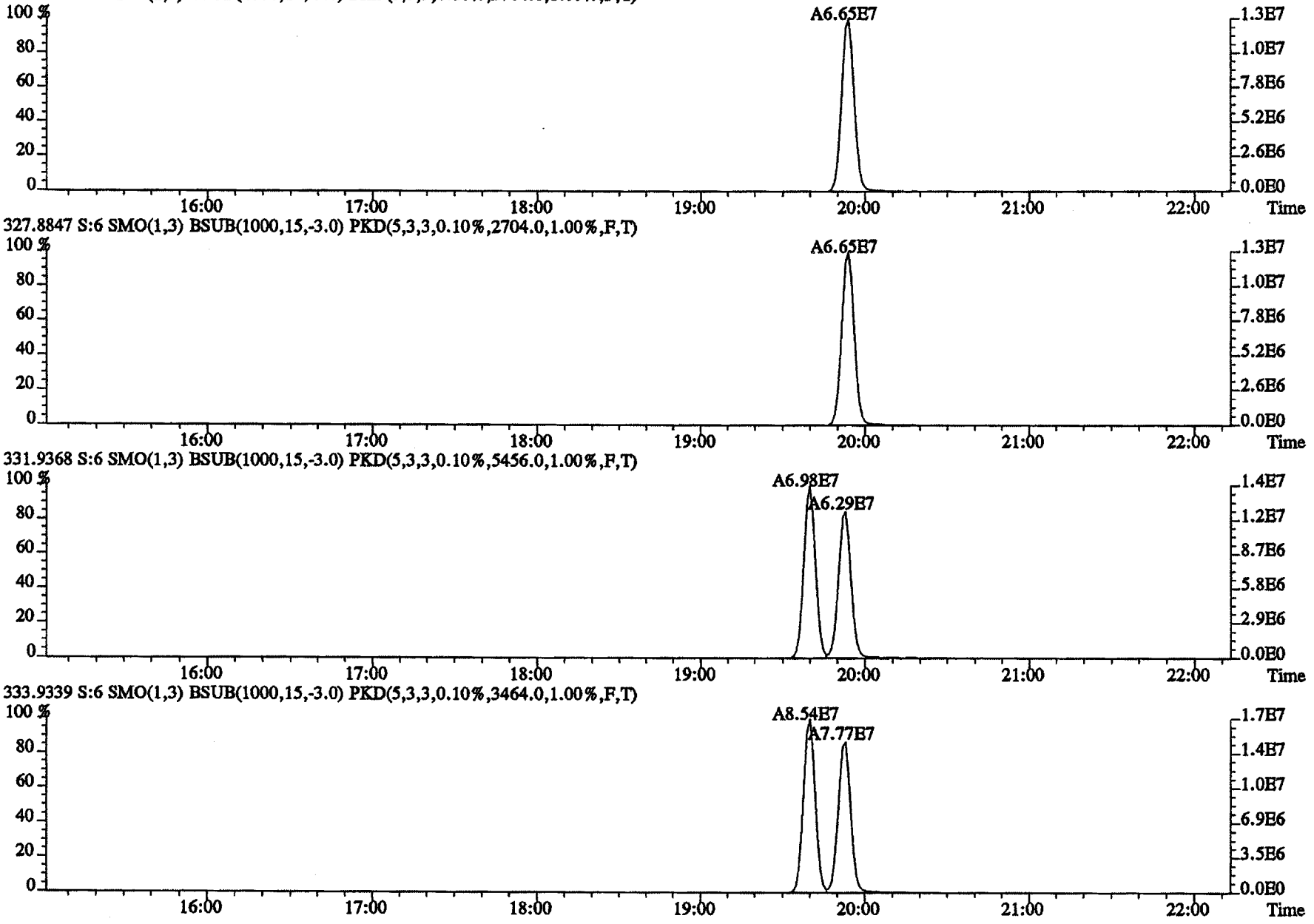
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4424.0,1.00%,F,T)



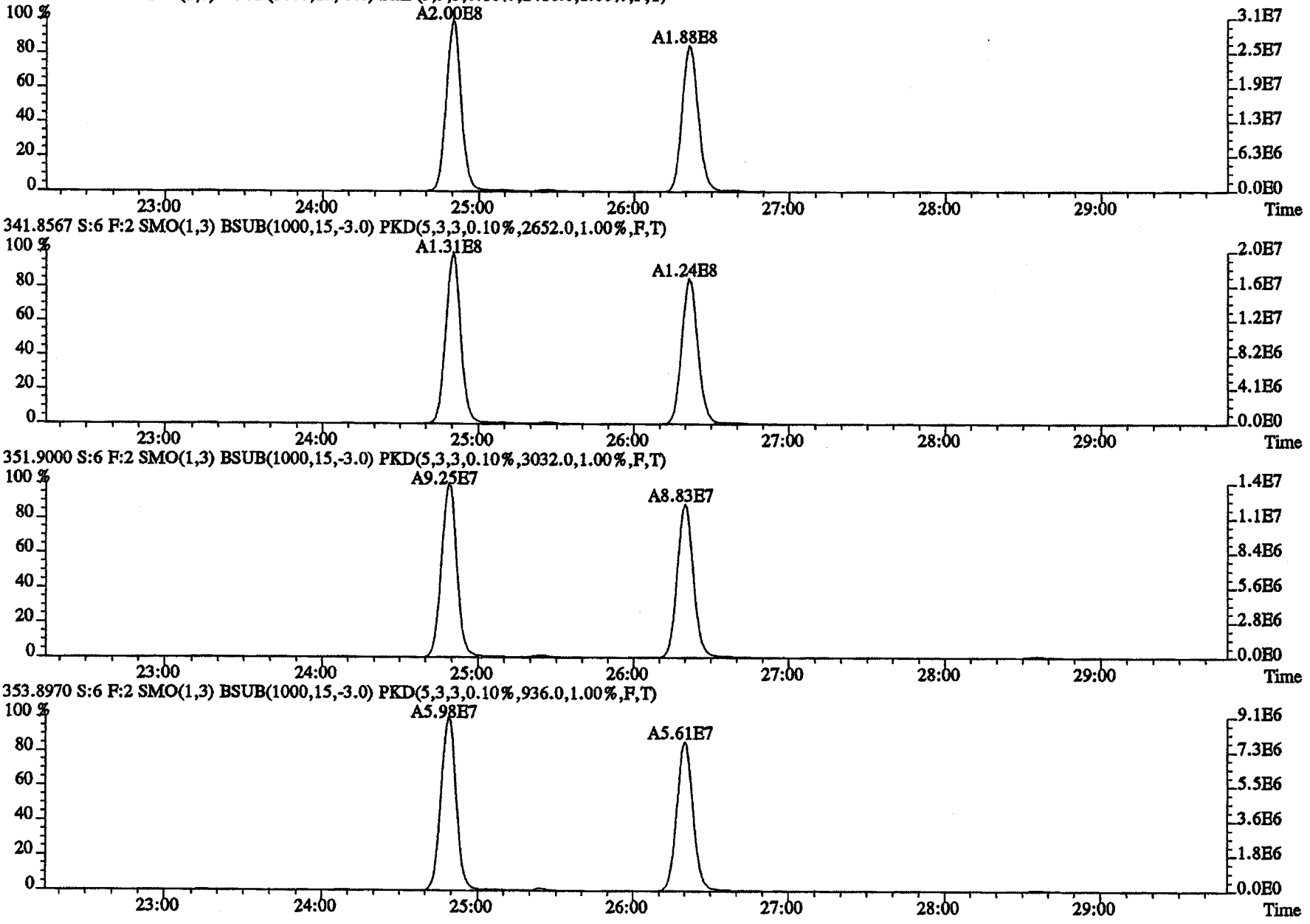
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



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

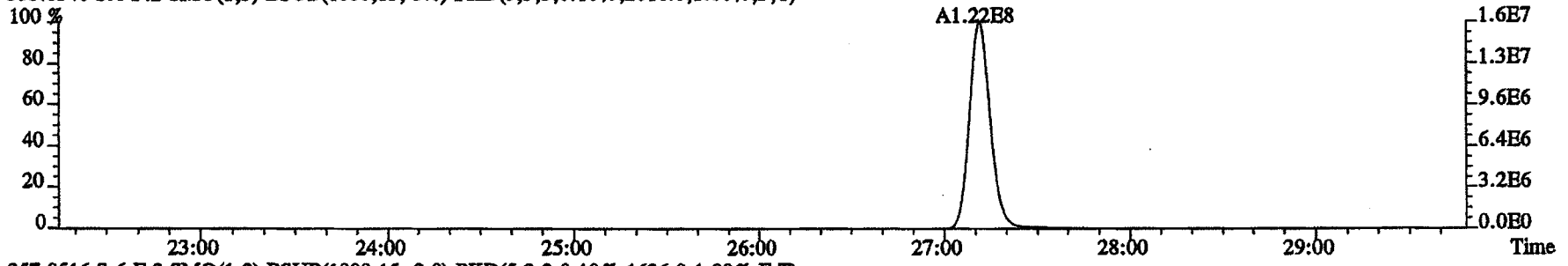


File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

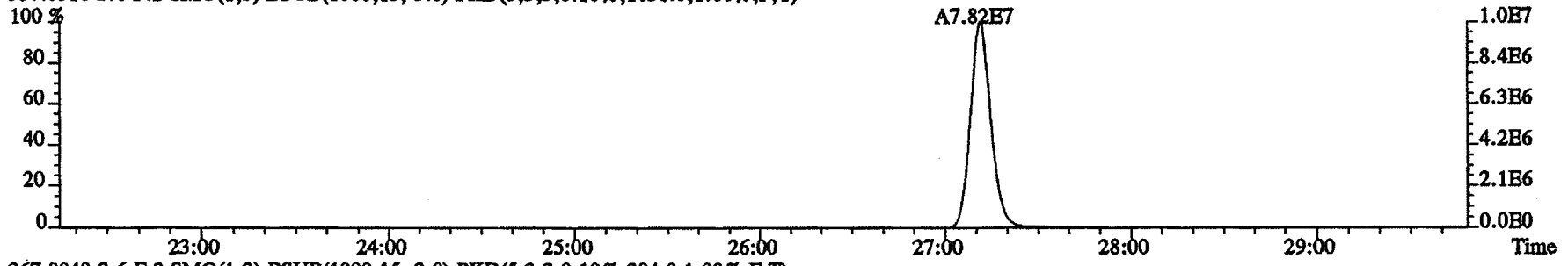


File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

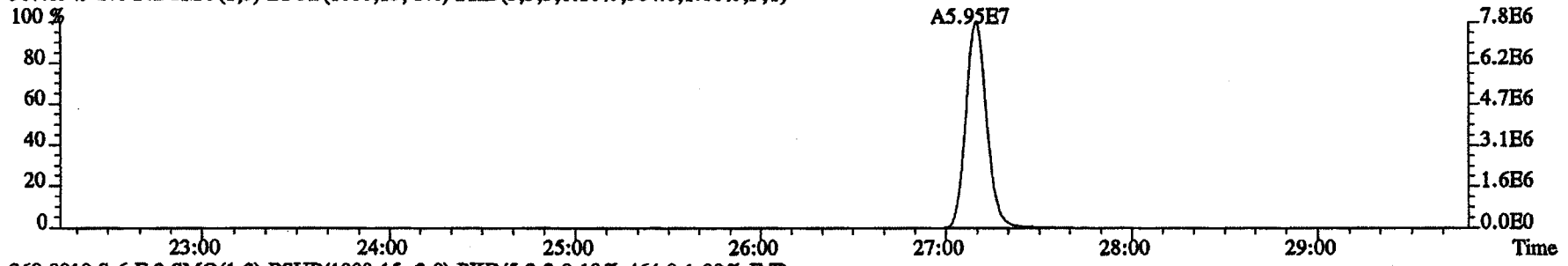
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2816.0,1.00%,F,T)



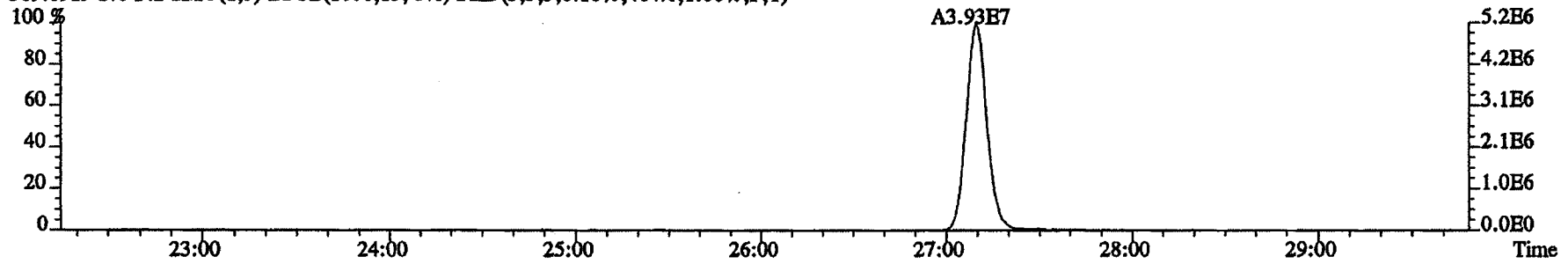
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)



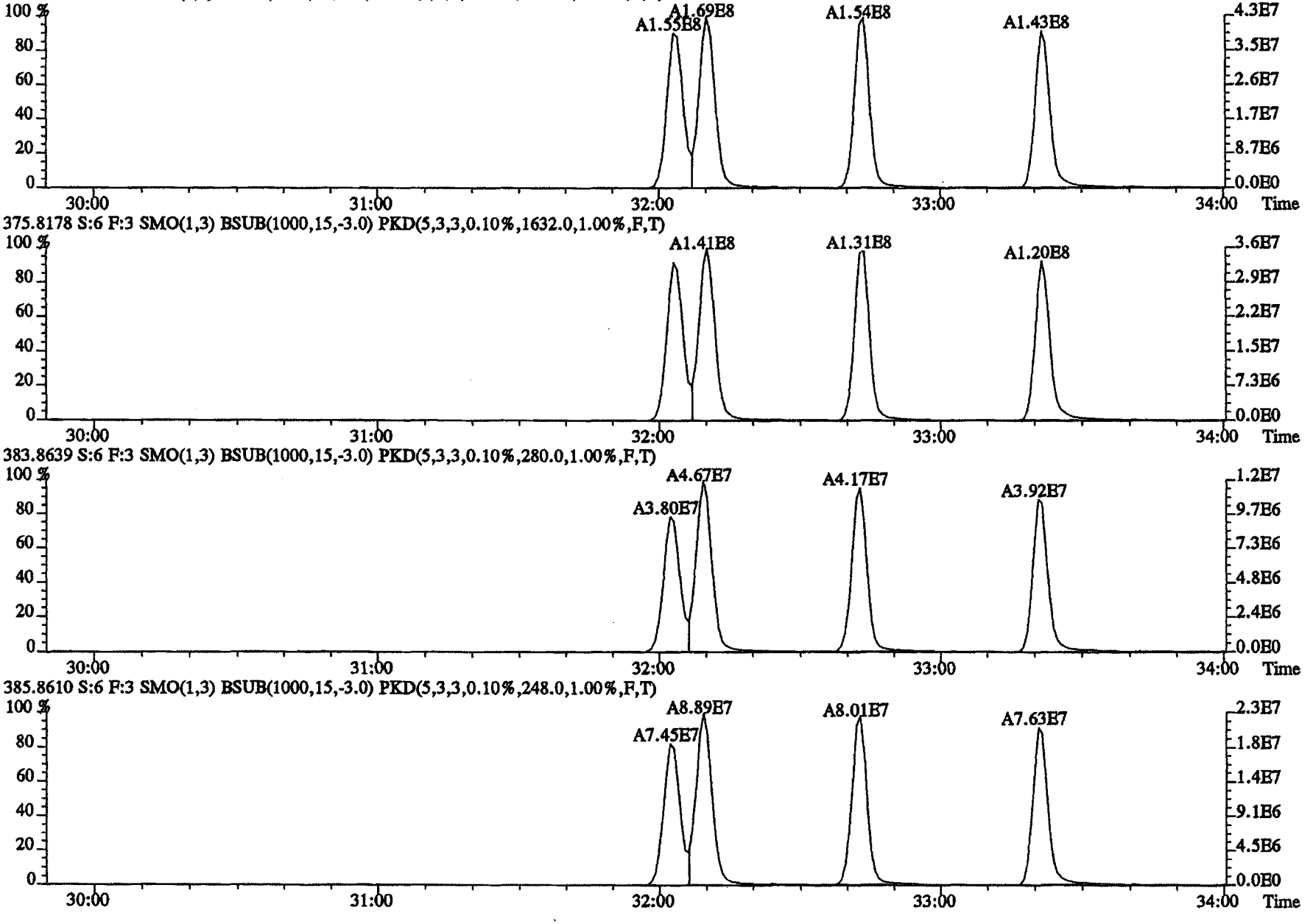
367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,384.0,1.00%,F,T)



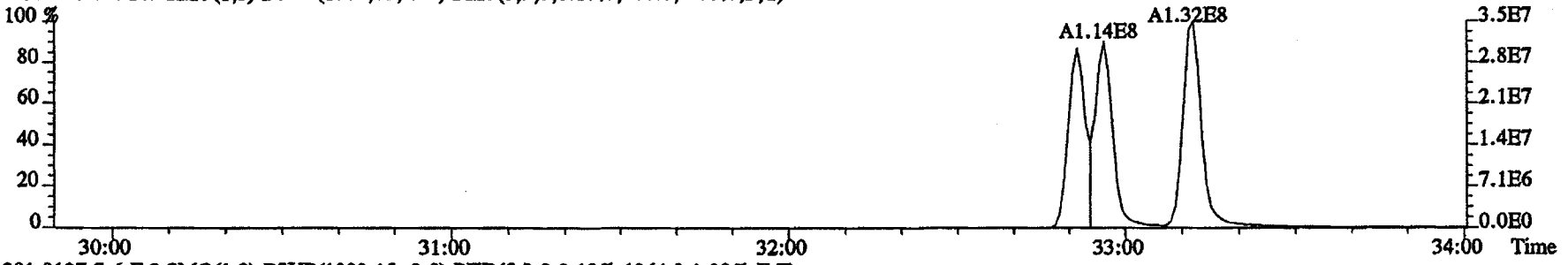
369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,464.0,1.00%,F,T)



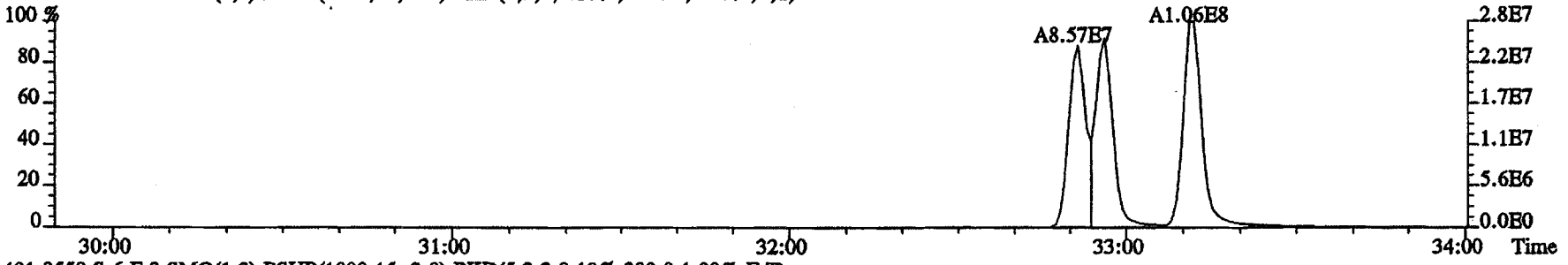
File:12AP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



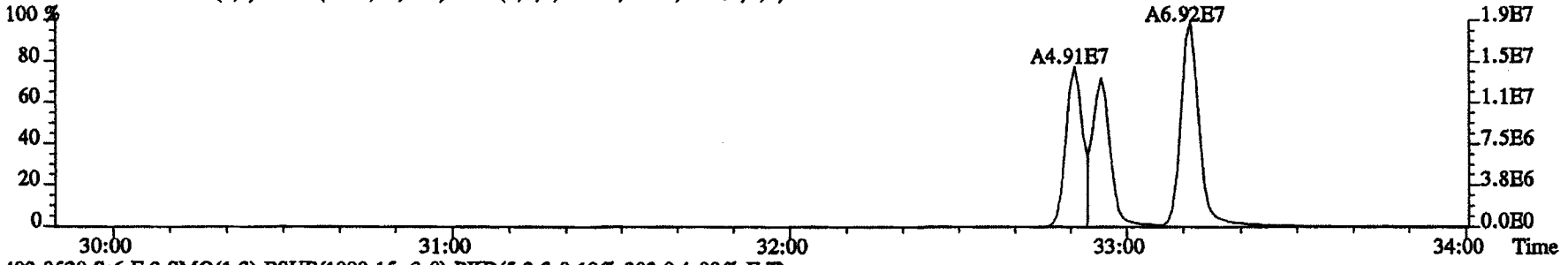
File:12AP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,868.0,1.00%,F,T)



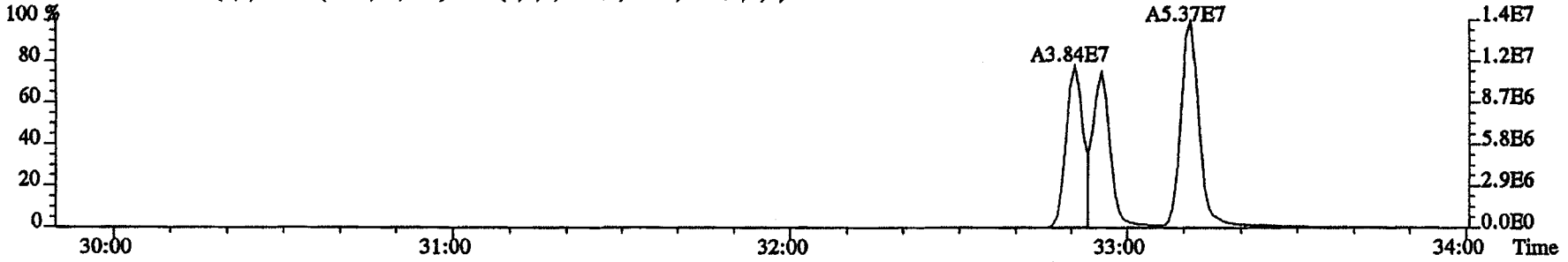
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364.0,1.00%,F,T)



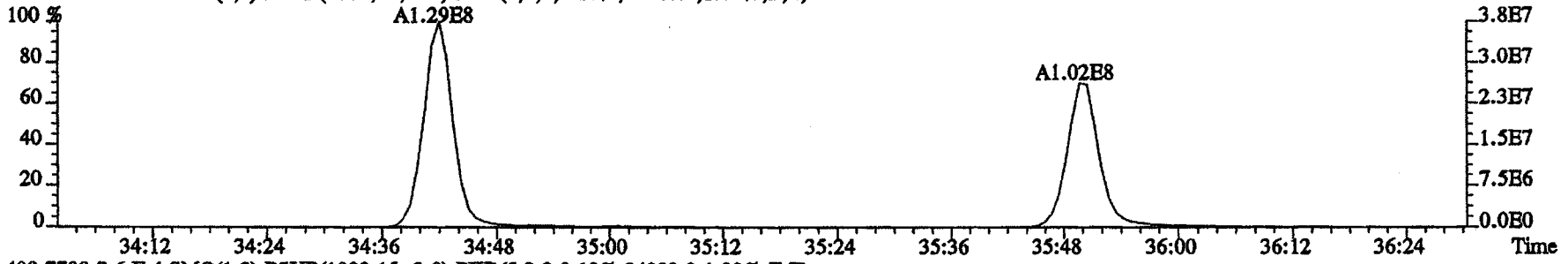
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,280.0,1.00%,F,T)

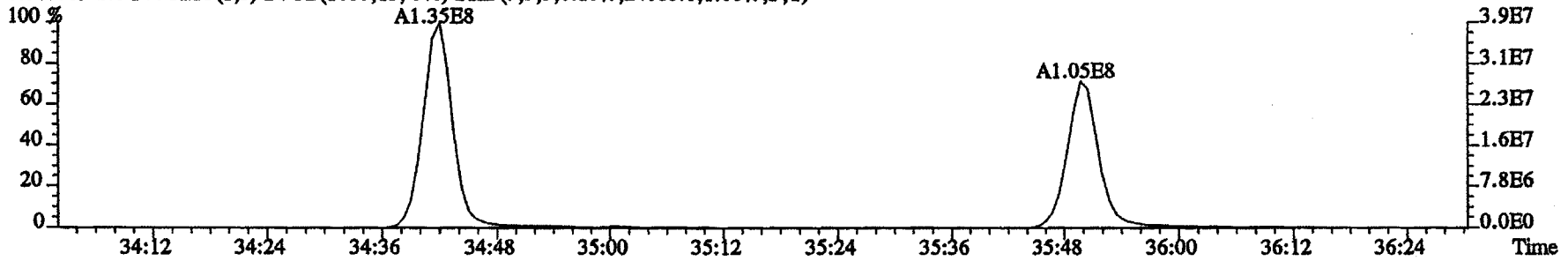


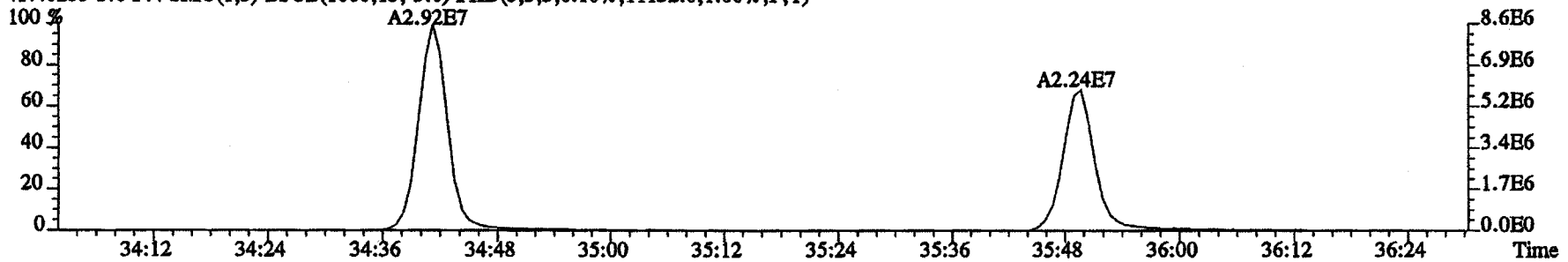
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,292.0,1.00%,F,T)

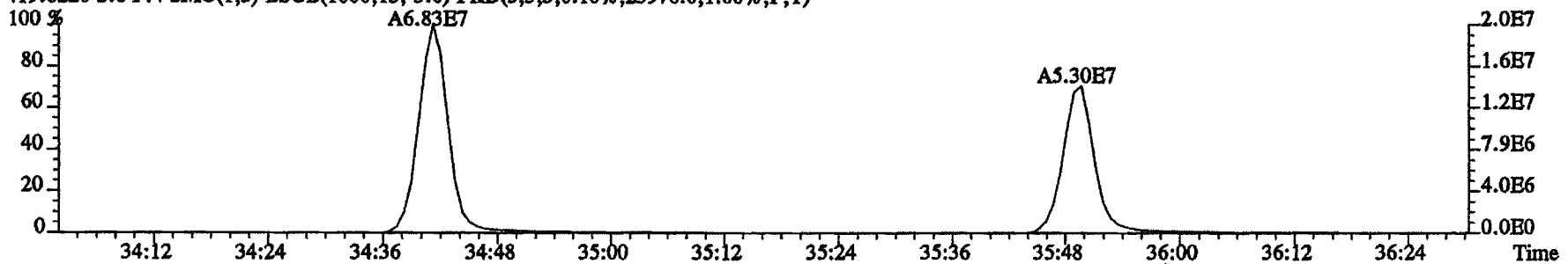


File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

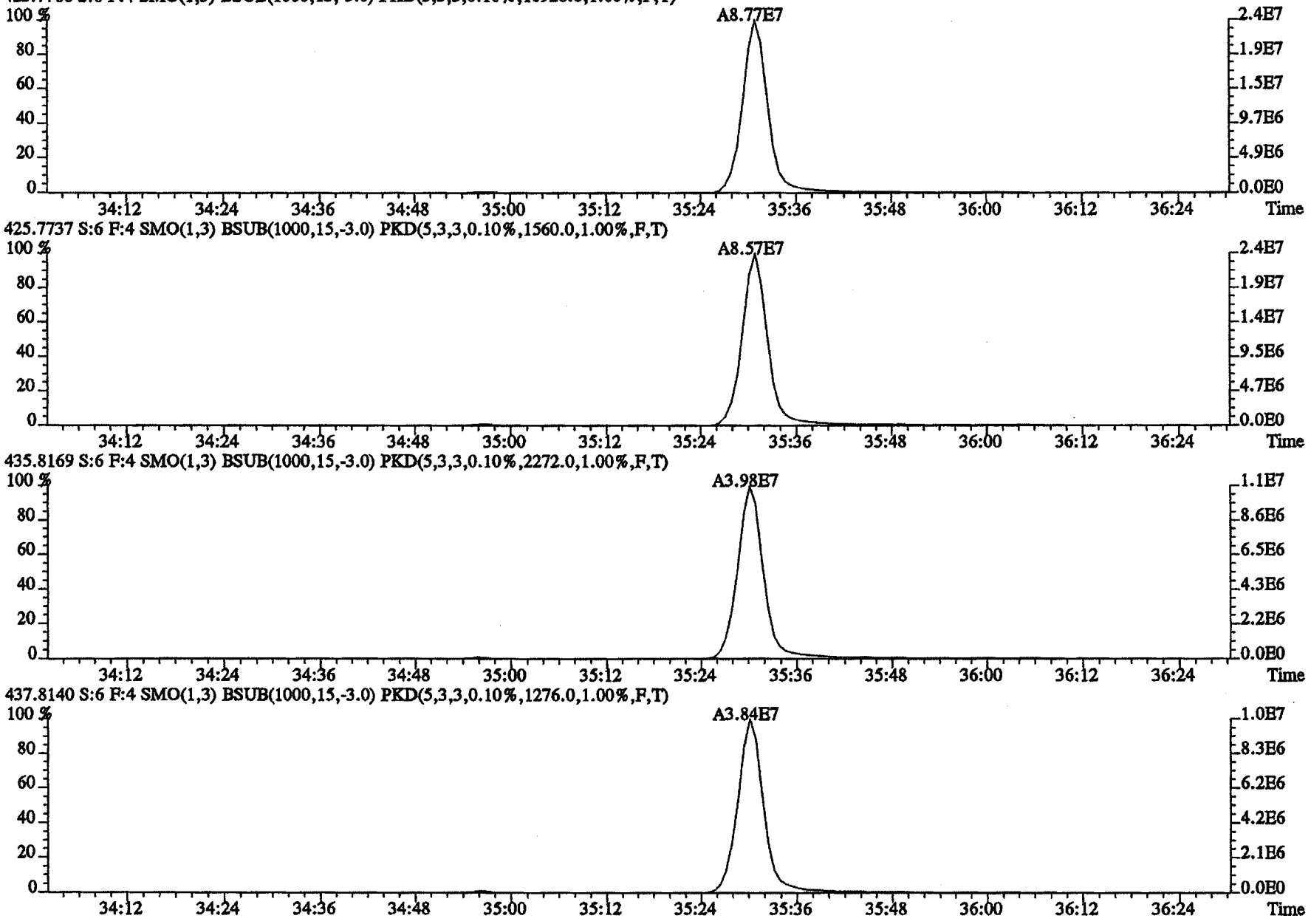




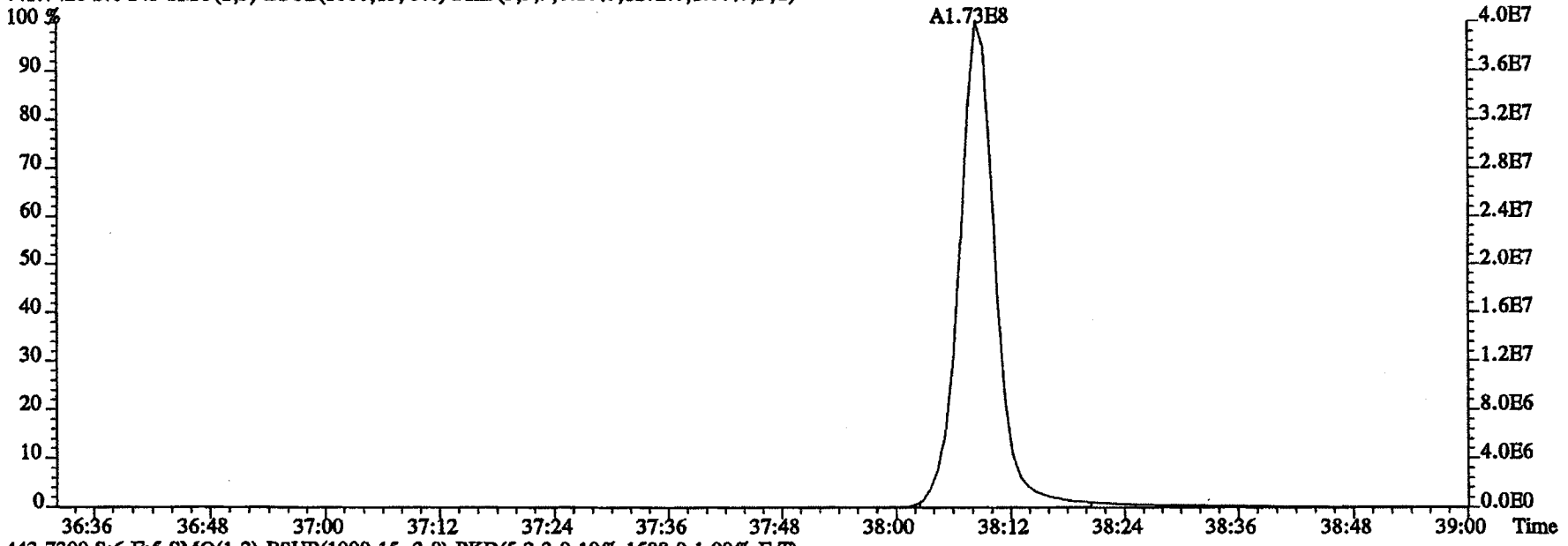




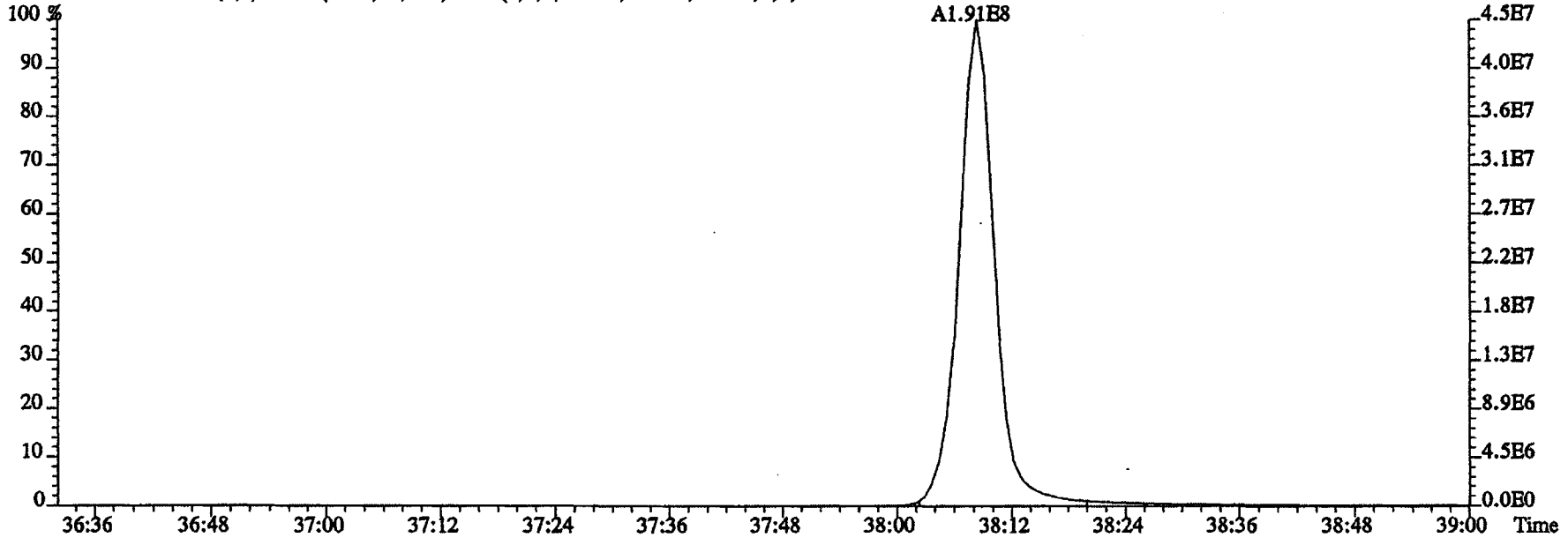
File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



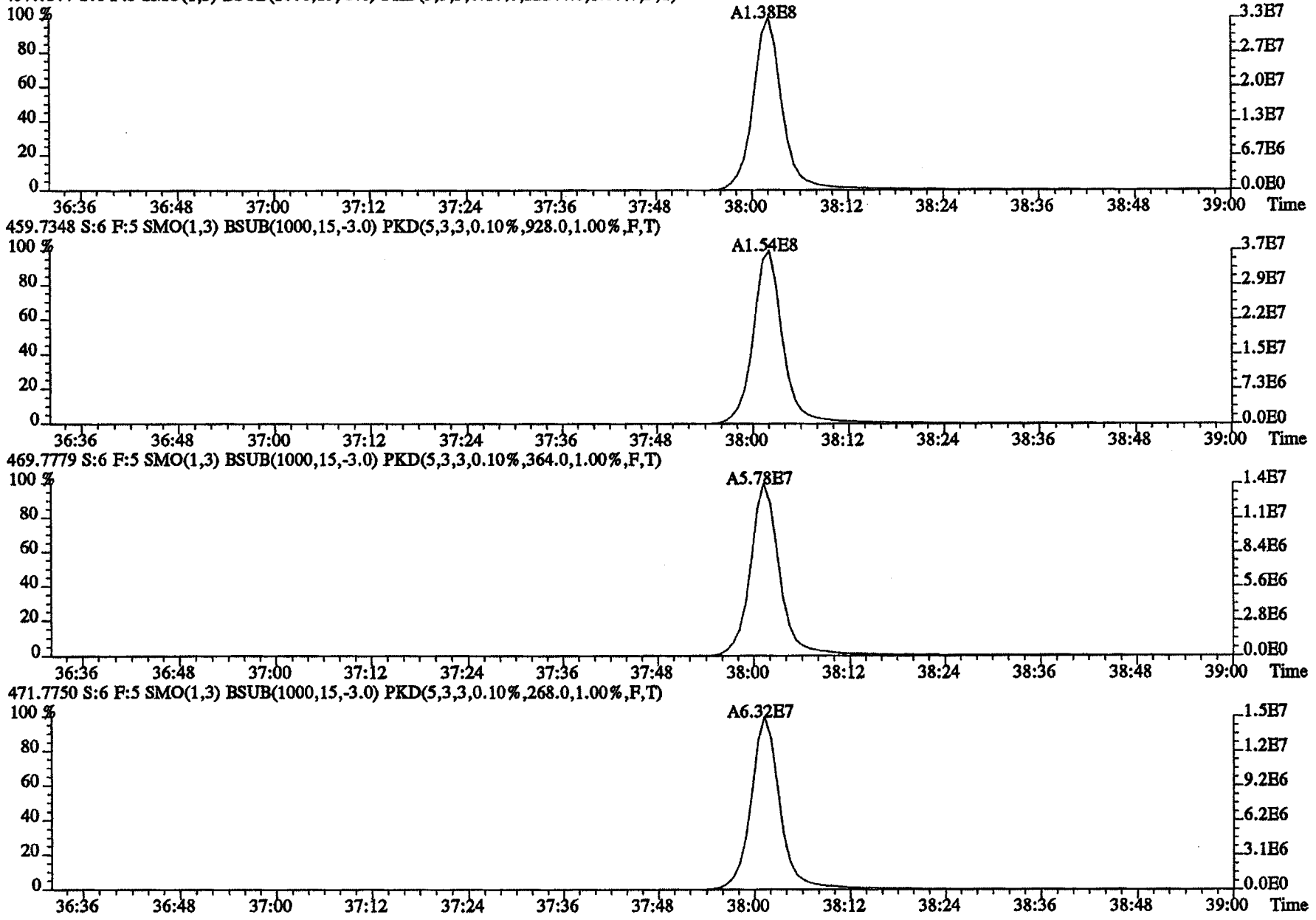
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)

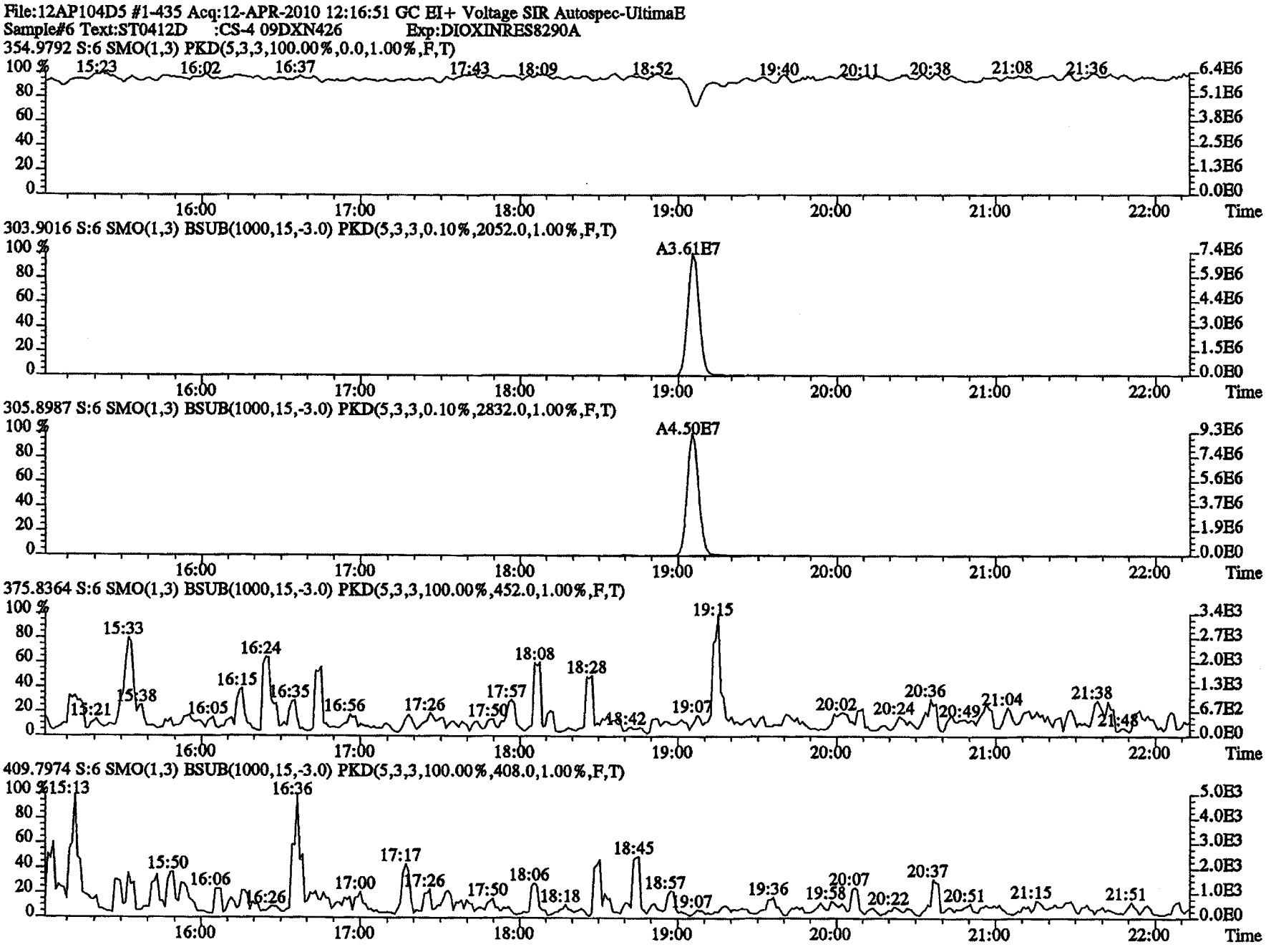


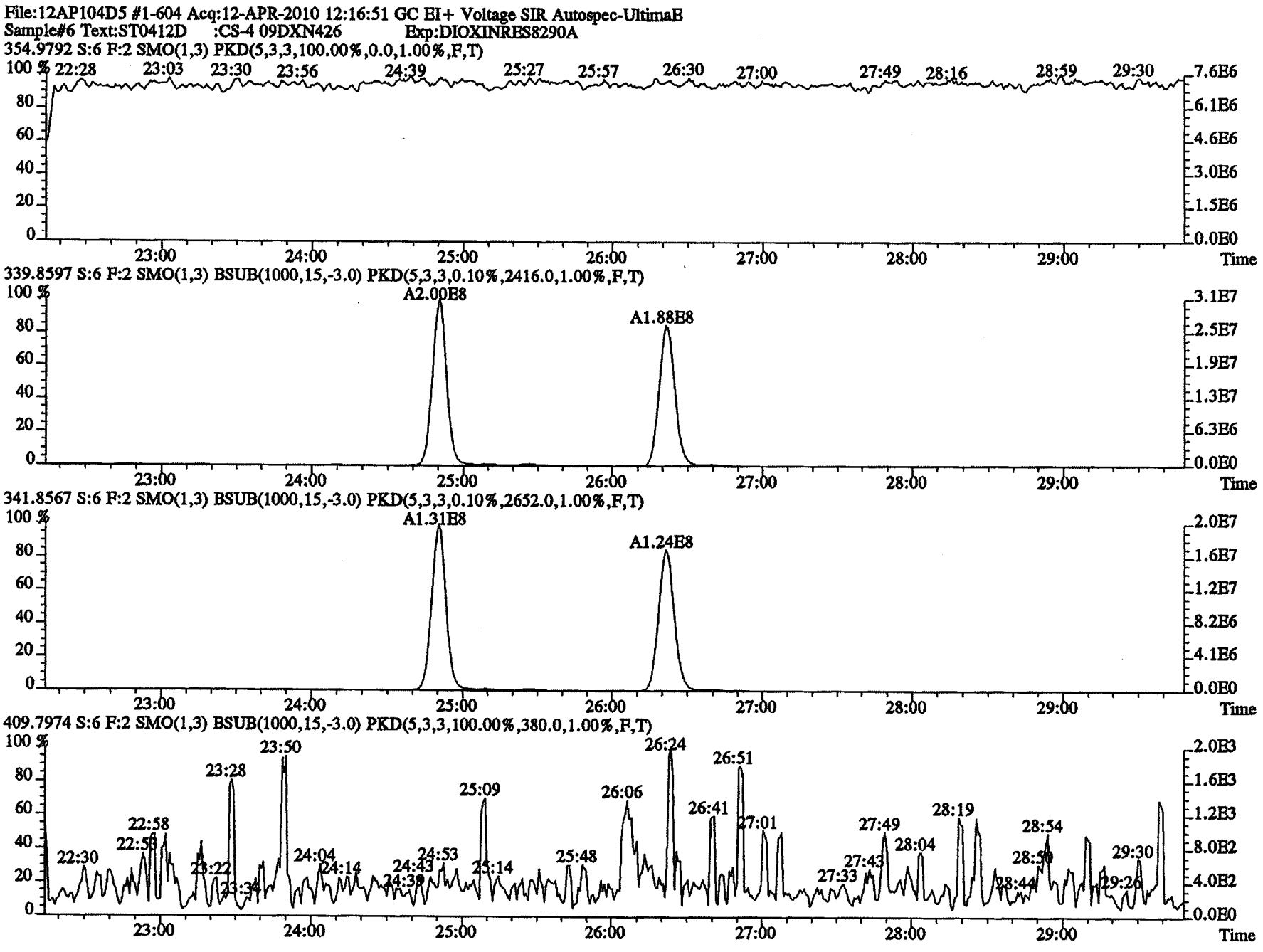
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T)



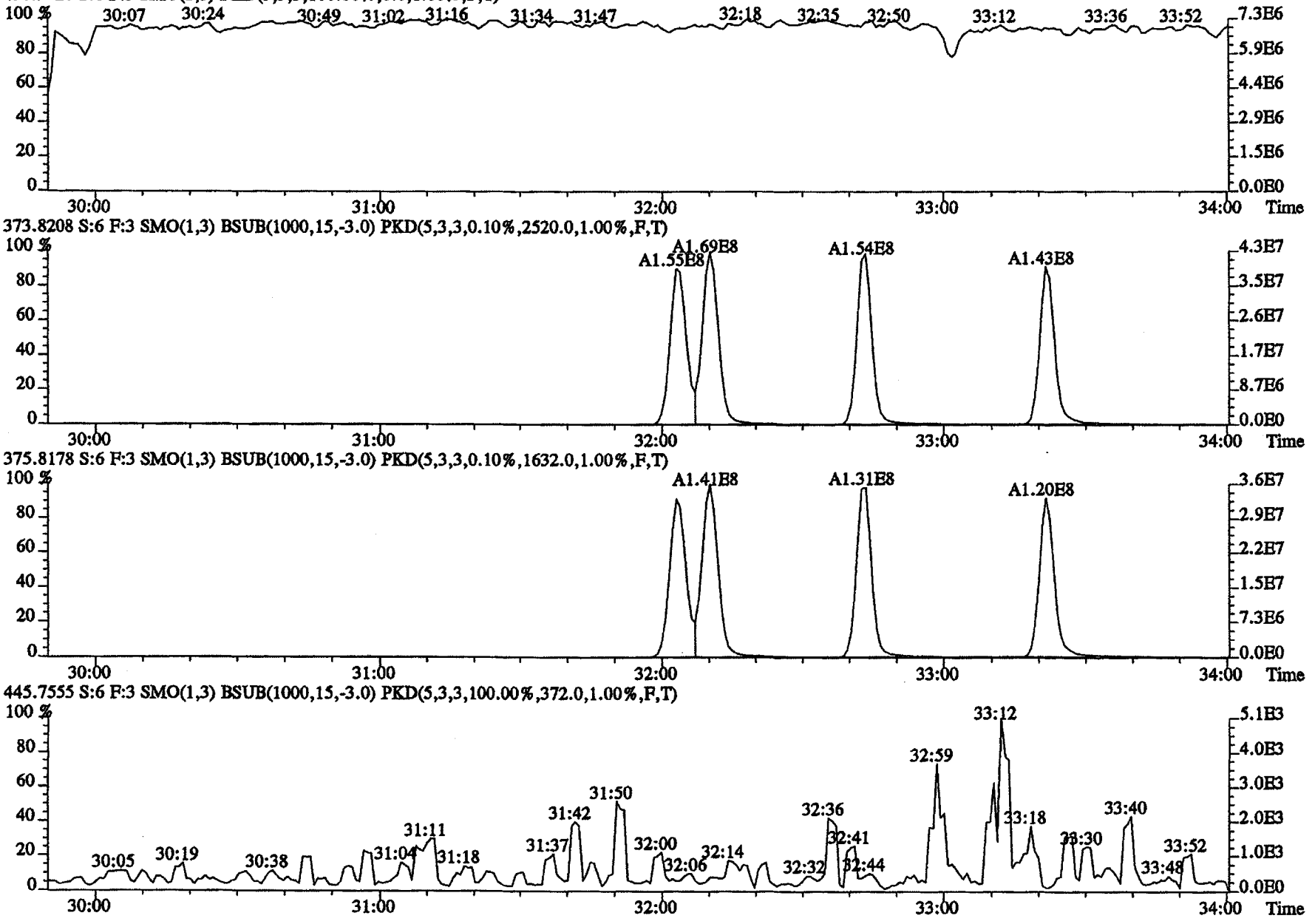
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

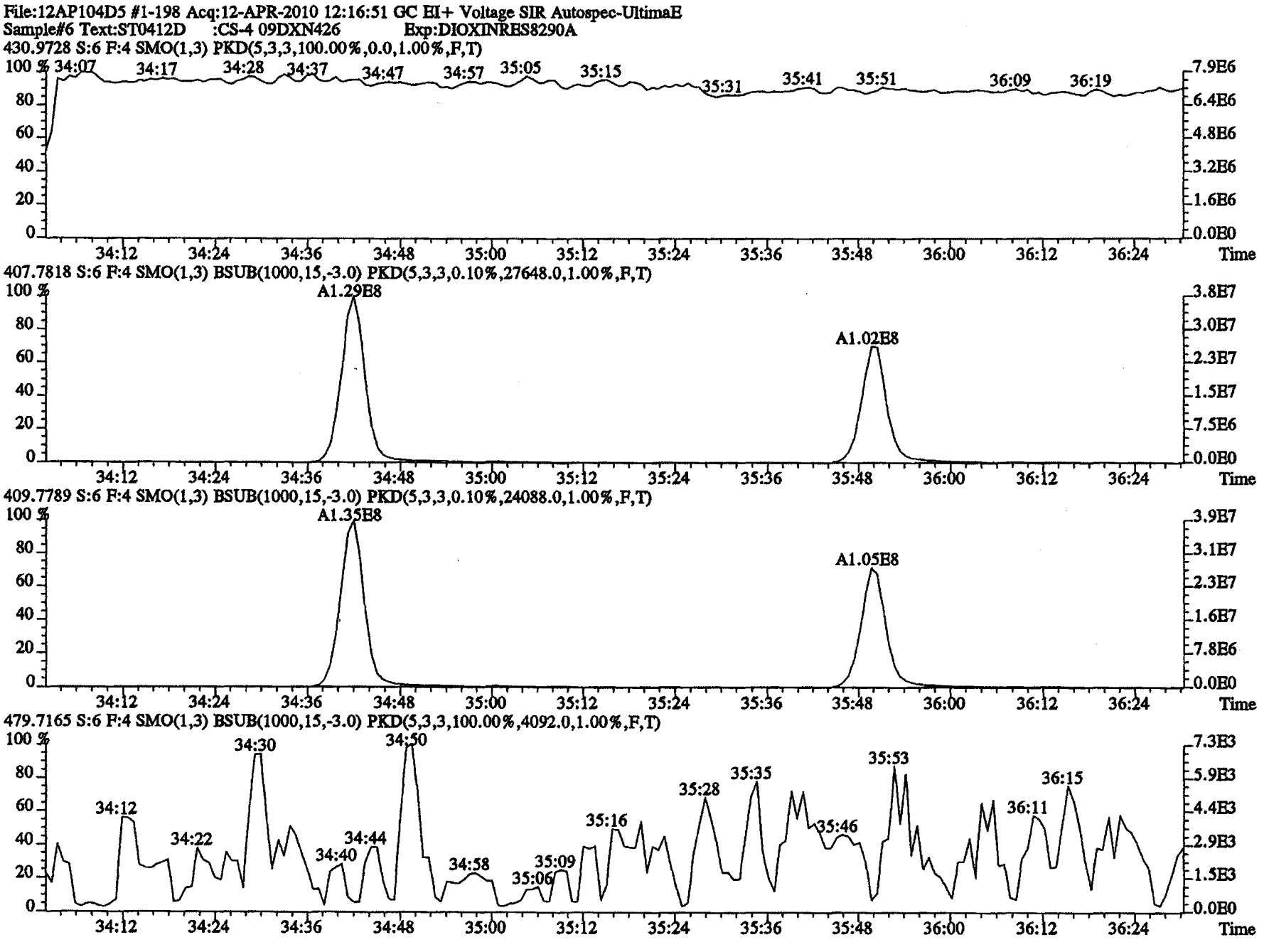


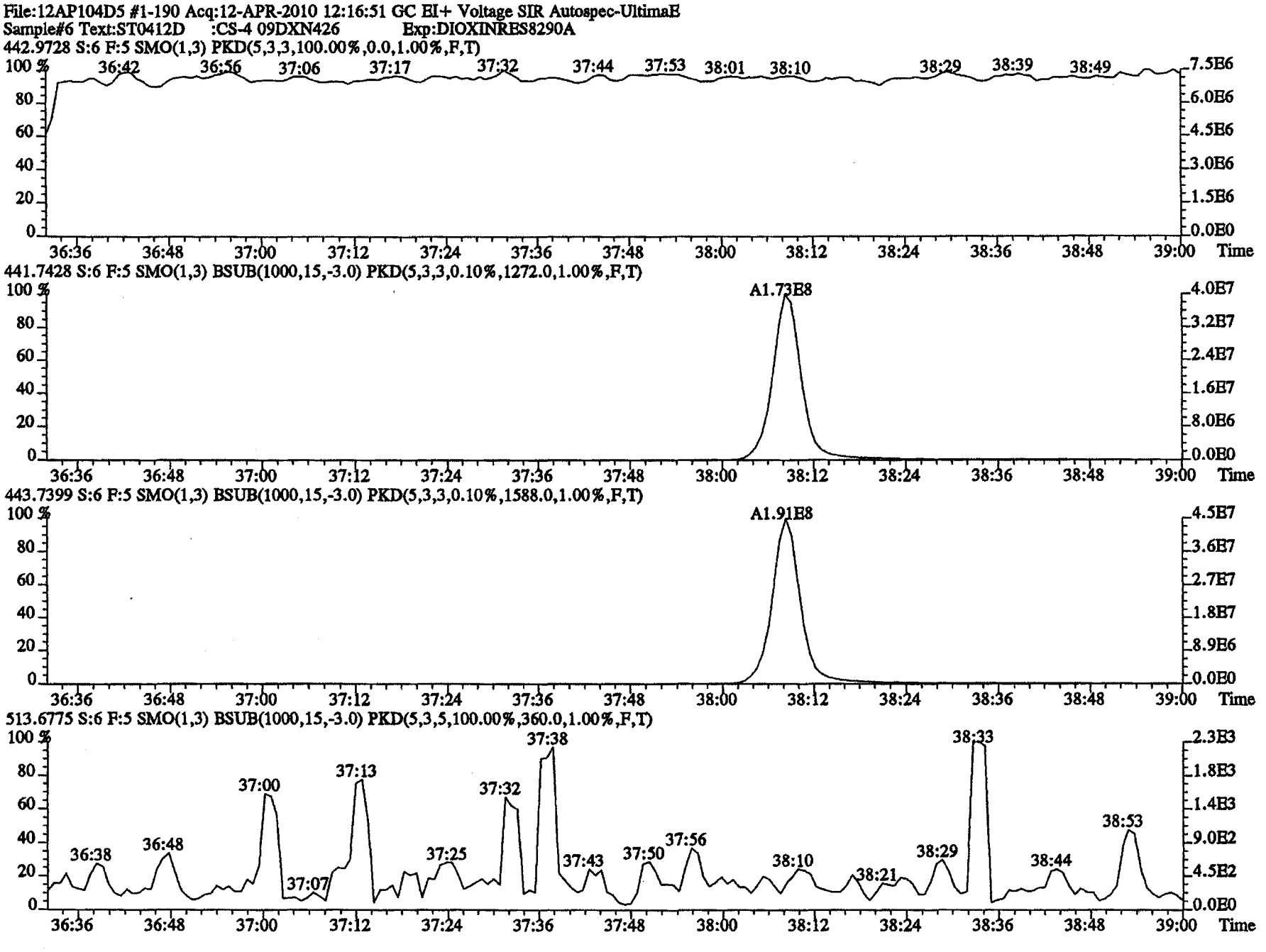

File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
354.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)
A3.61E7
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)
A4.50E7
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,452.0,1.00%,F,T)
409.7974 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,408.0,1.00%,F,T)
Time


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
354.9792 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%,2416.0,1.00%,F,T)
A2.00E8
A1.88E8
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)
A1.31E8
A1.24E8
409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,380.0,1.00%,F,T)
Time

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

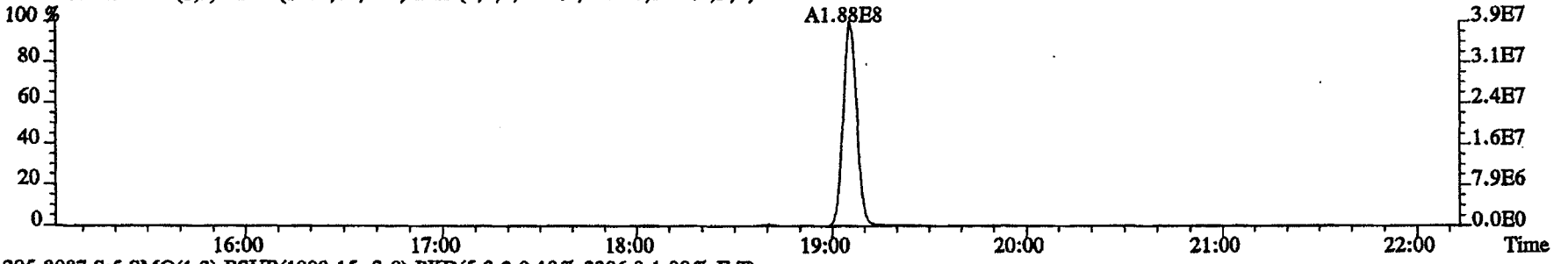



File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27648.0,1.00%,F,T)
A1.29E8
A1.02E8
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24088.0,1.00%,F,T)
A1.35E8
A1.05E8
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4092.0,1.00%,F,T)
Time

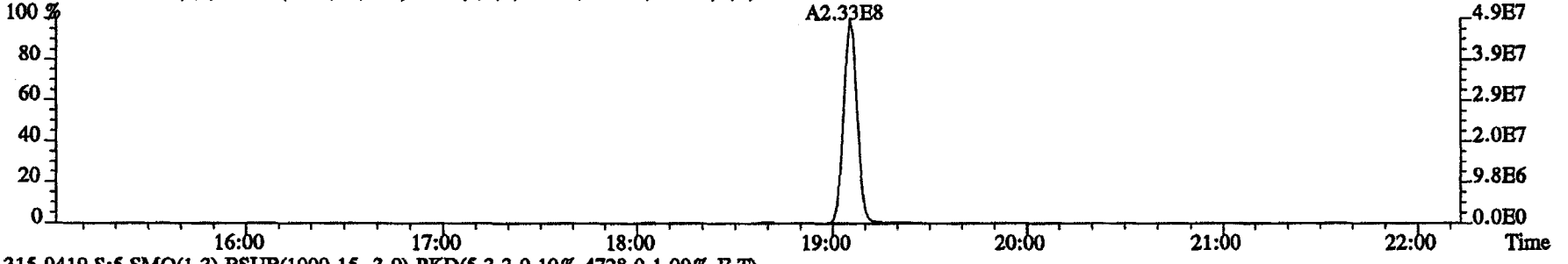

File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)
A1.73E8
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T)
A1.91E8
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,360.0,1.00%,F,T)
Time

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

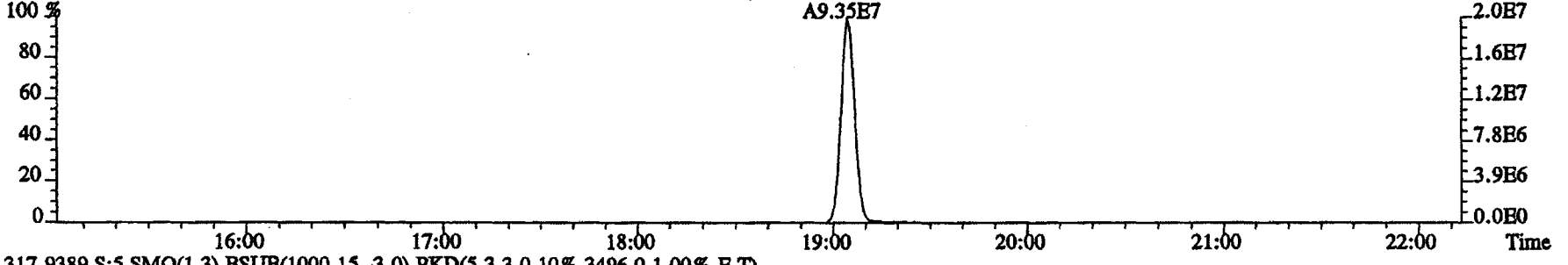
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2960.0,1.00%,F,T)



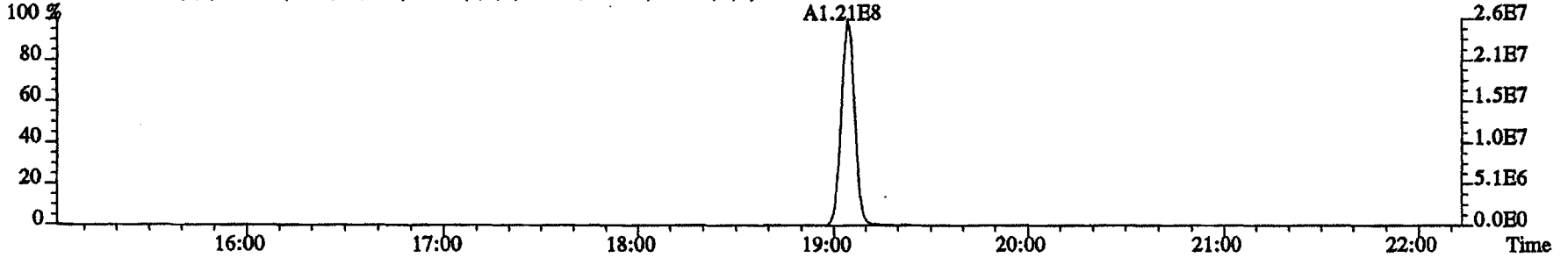
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2296.0,1.00%,F,T)



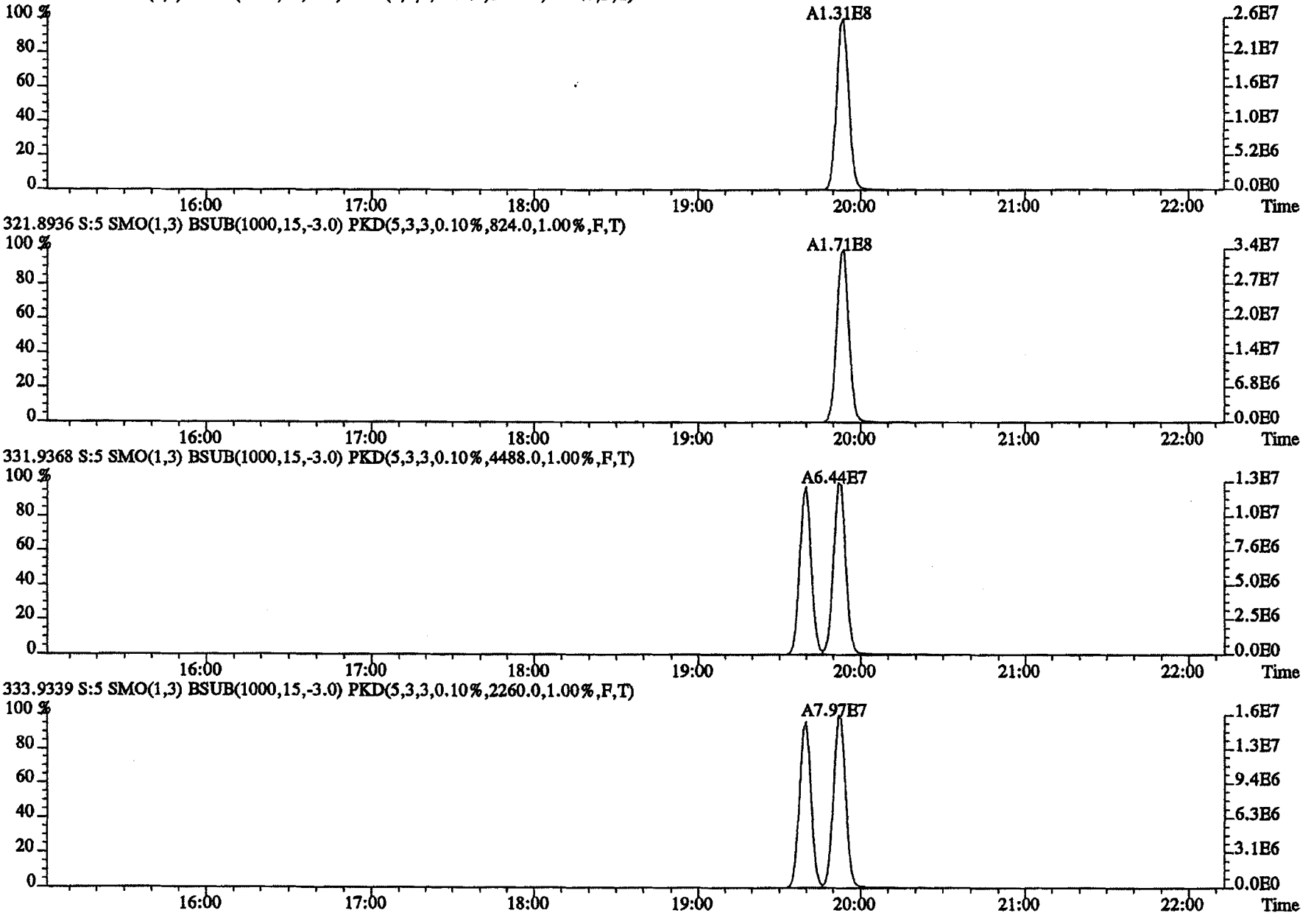
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4728.0,1.00%,F,T)



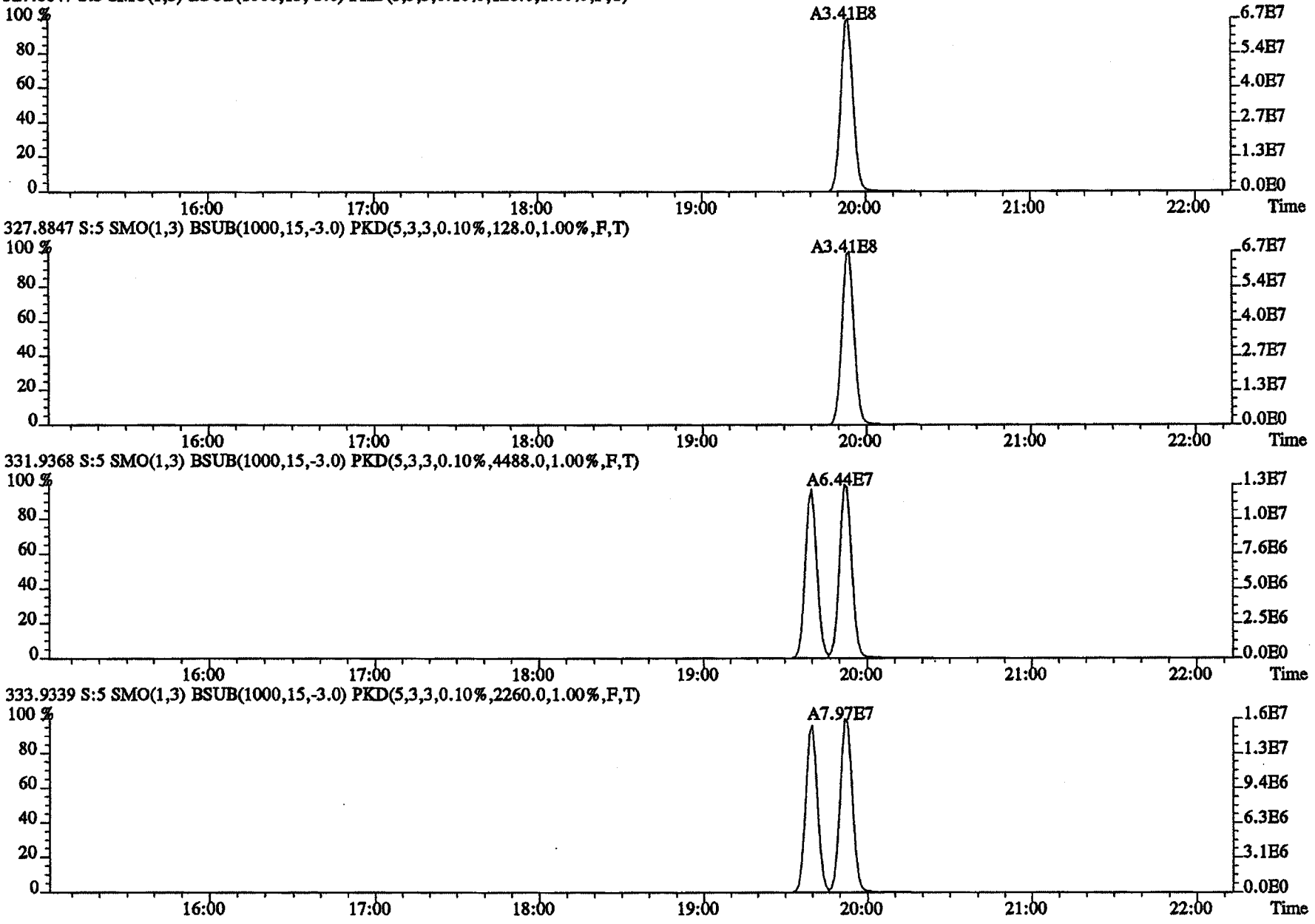
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



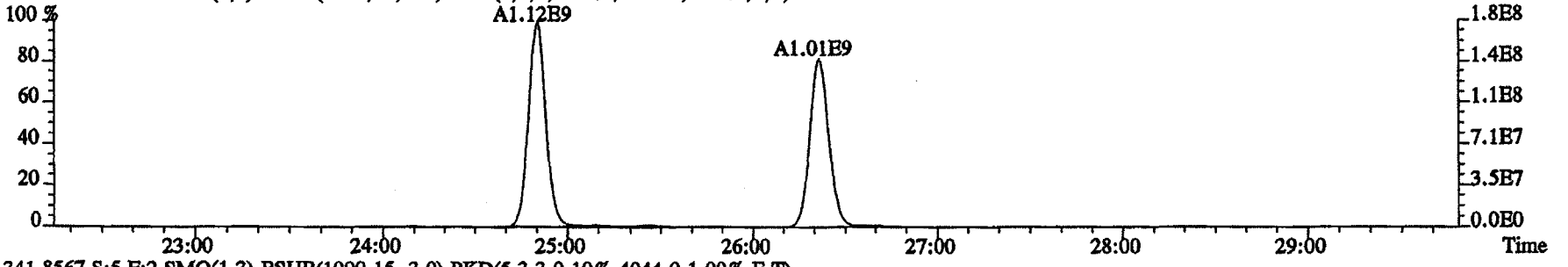
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



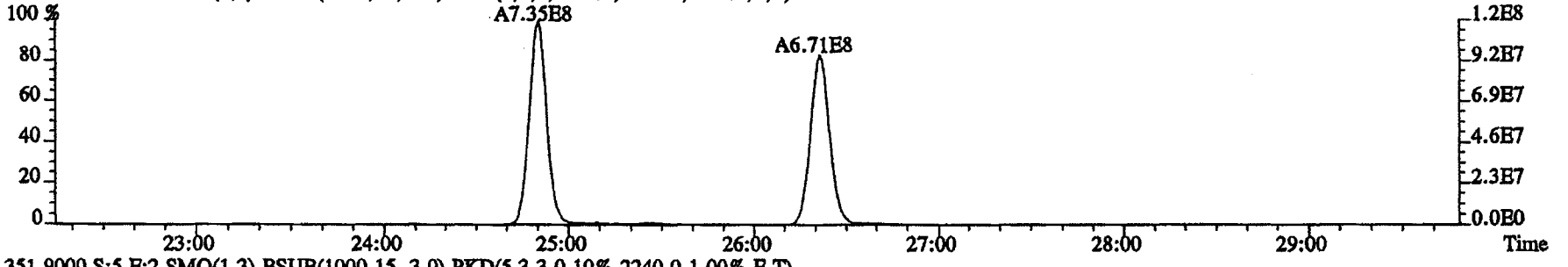
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



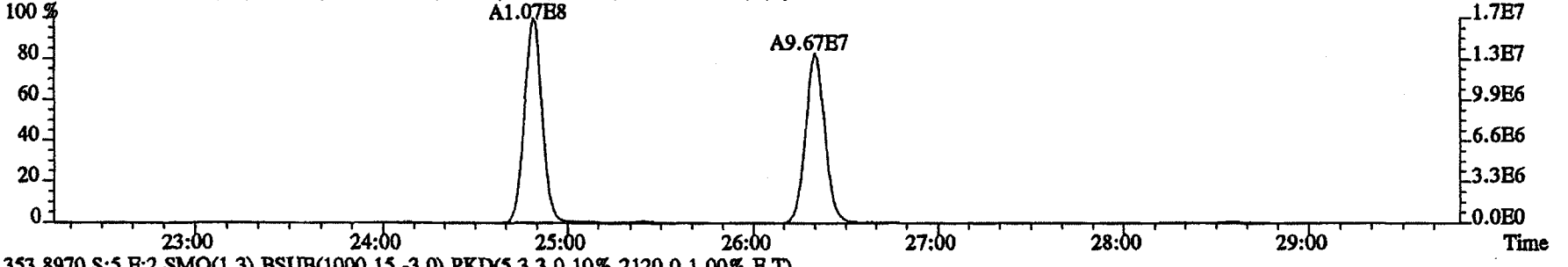
File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8368.0,1.00%,F,T)



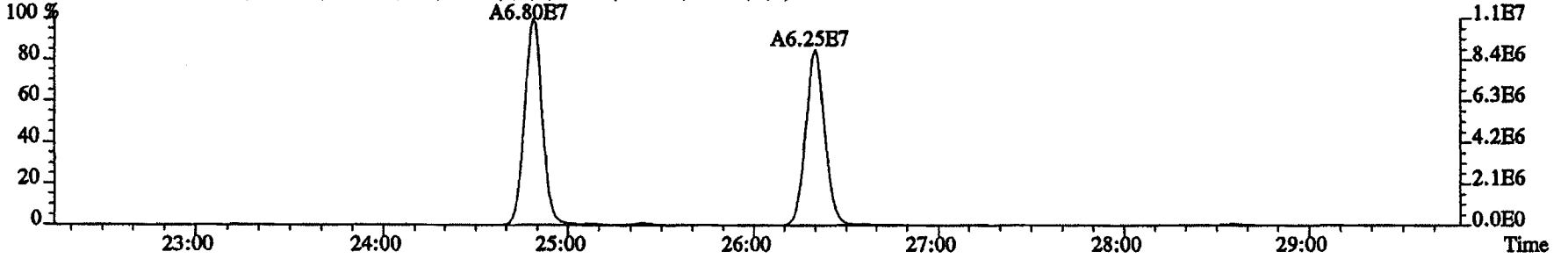
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4044.0,1.00%,F,T)



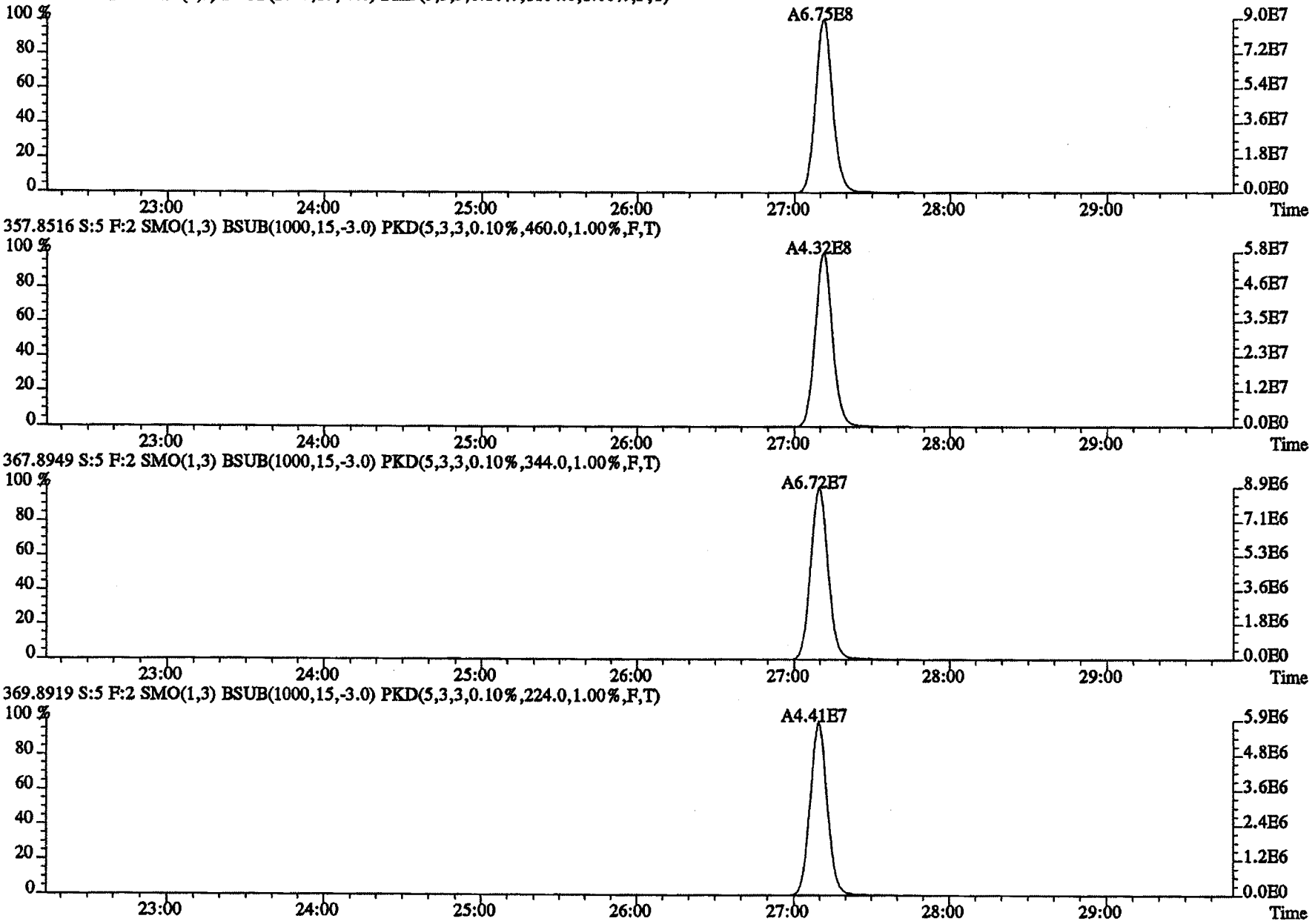
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)



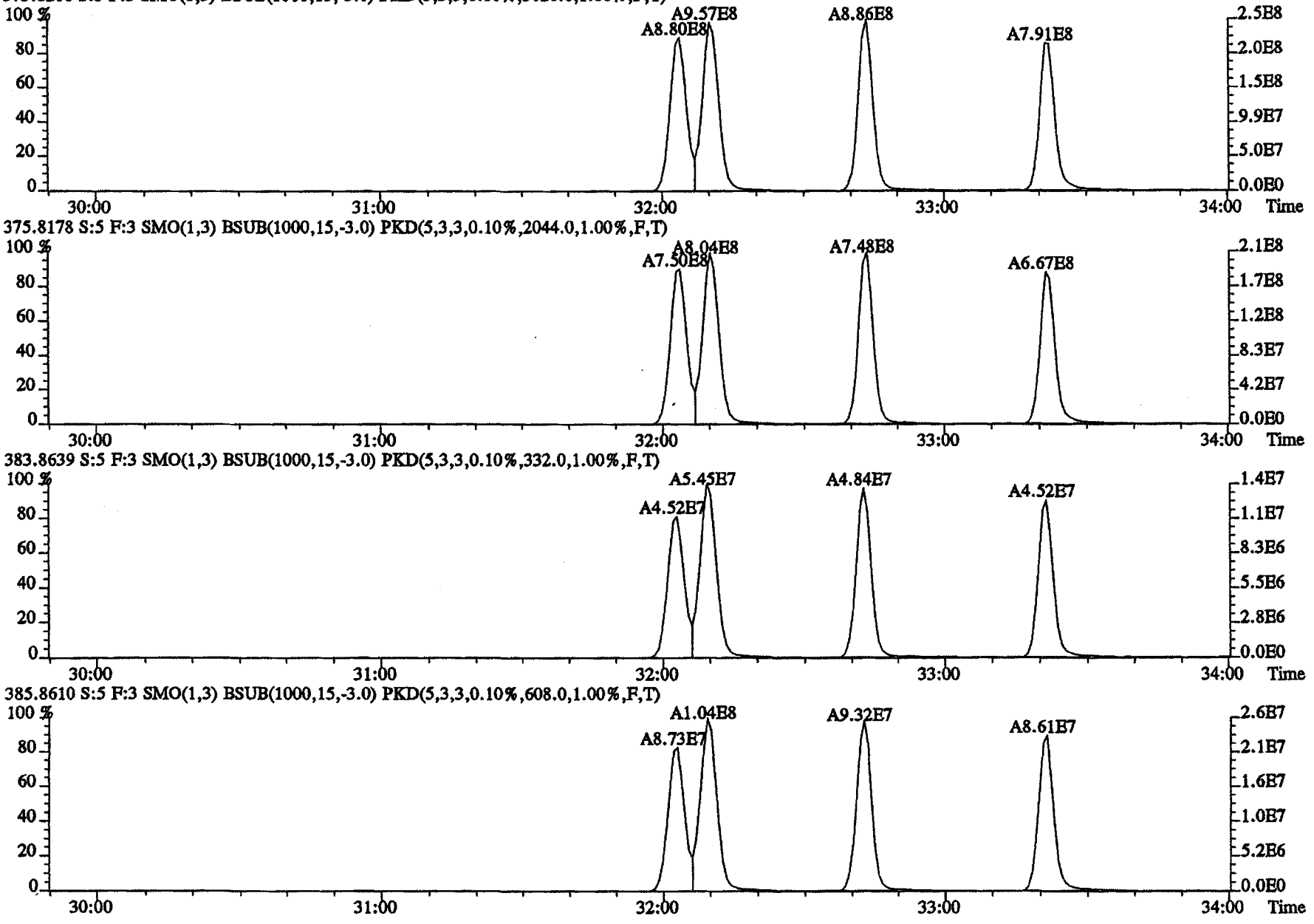
353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2120.0,1.00%,F,T)



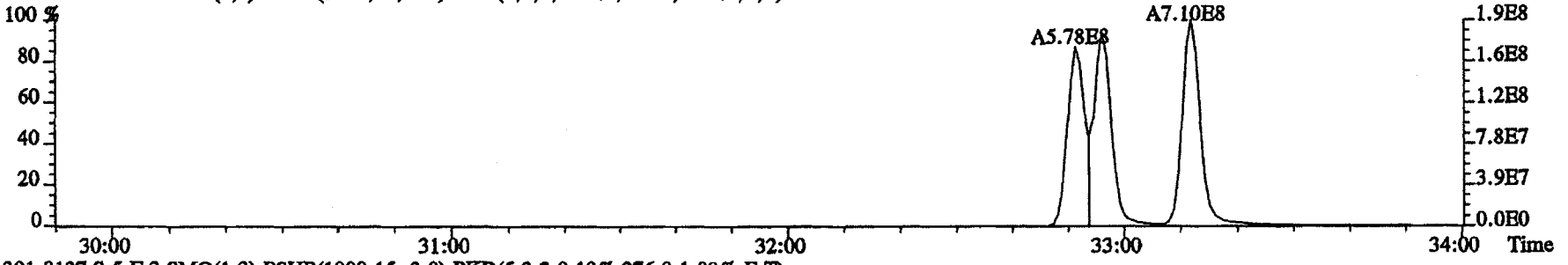
File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



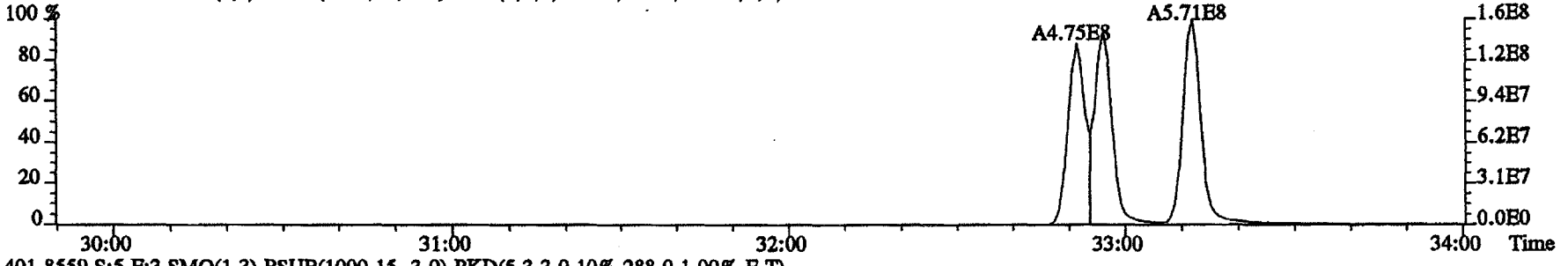
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



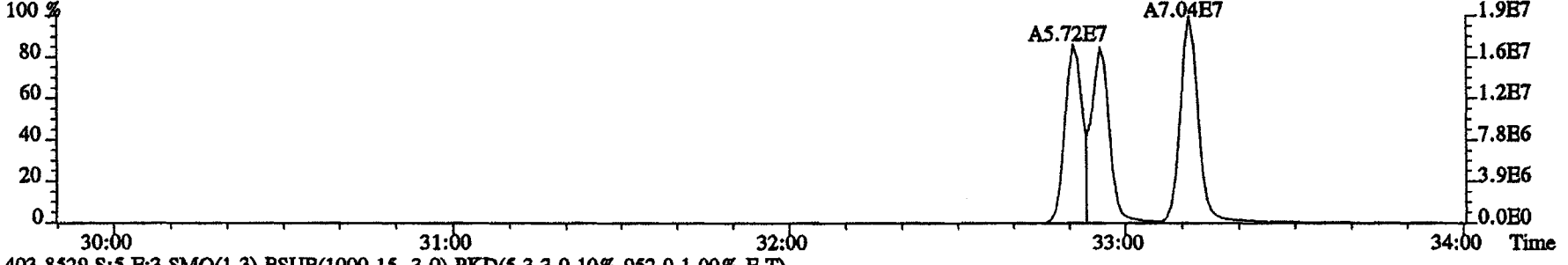
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,208.0,1.00%,F,T)



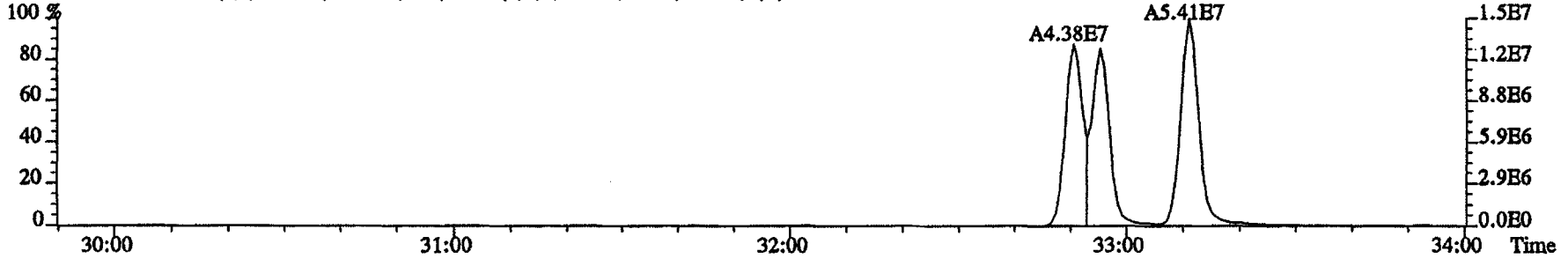
391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,376.0,1.00%,F,T)



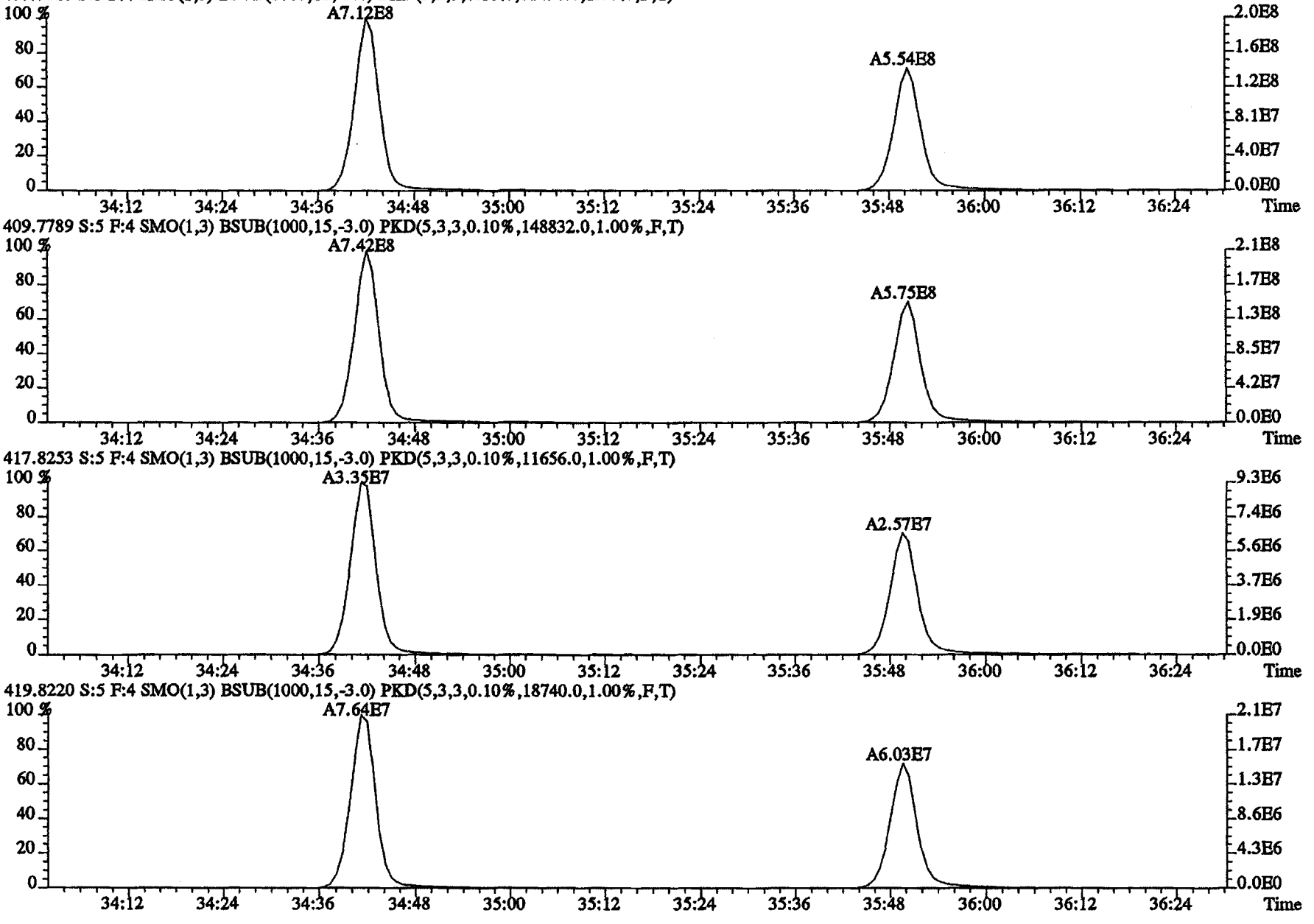
401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)



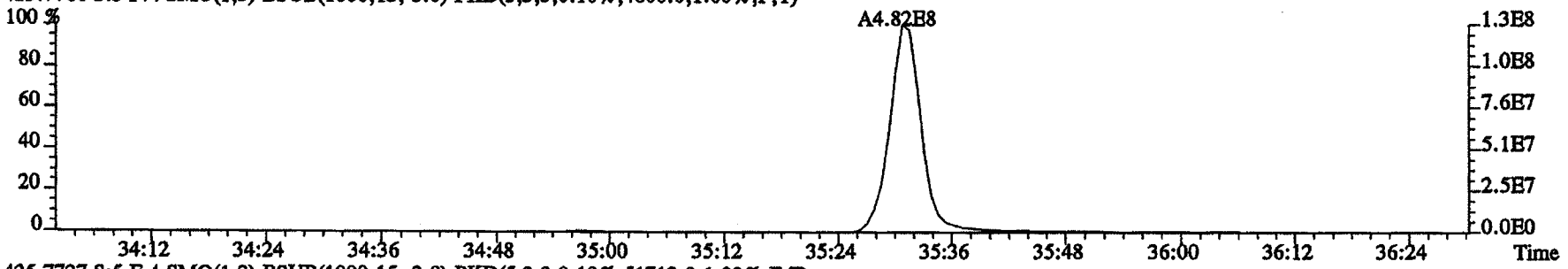
403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,952.0,1.00%,F,T)

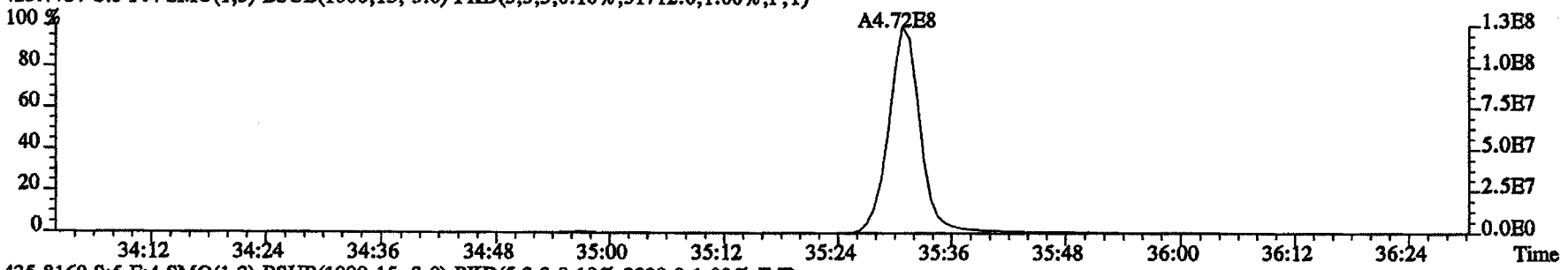


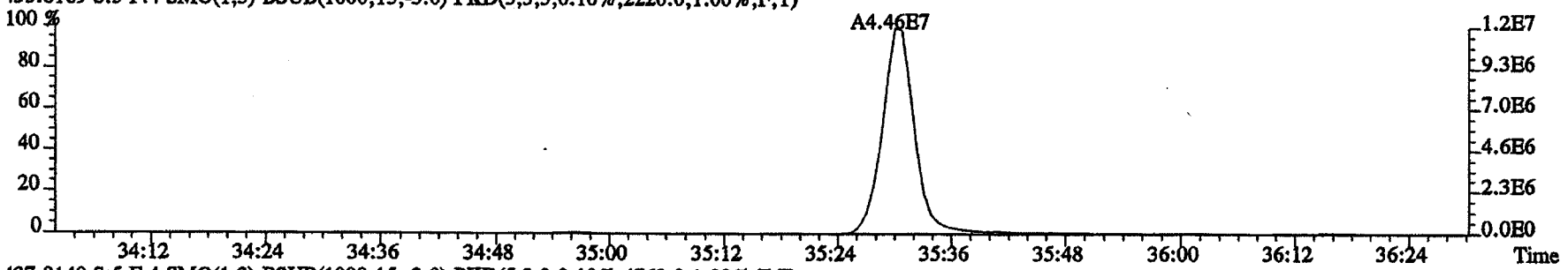
File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

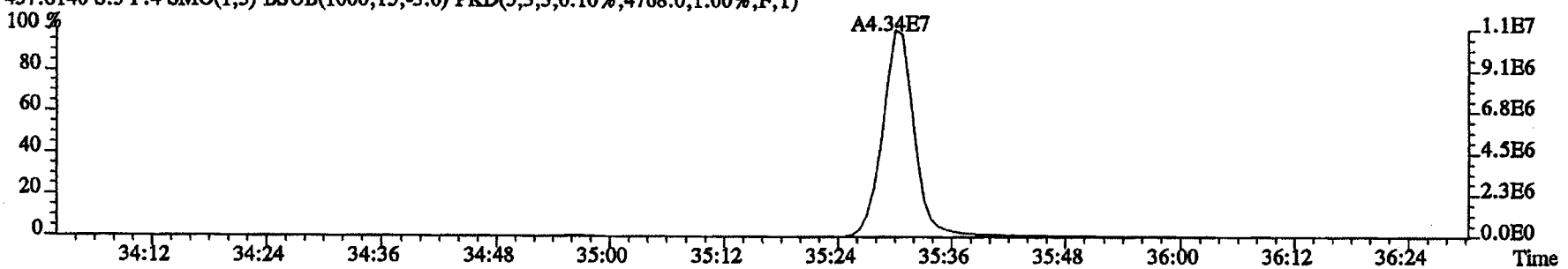


File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

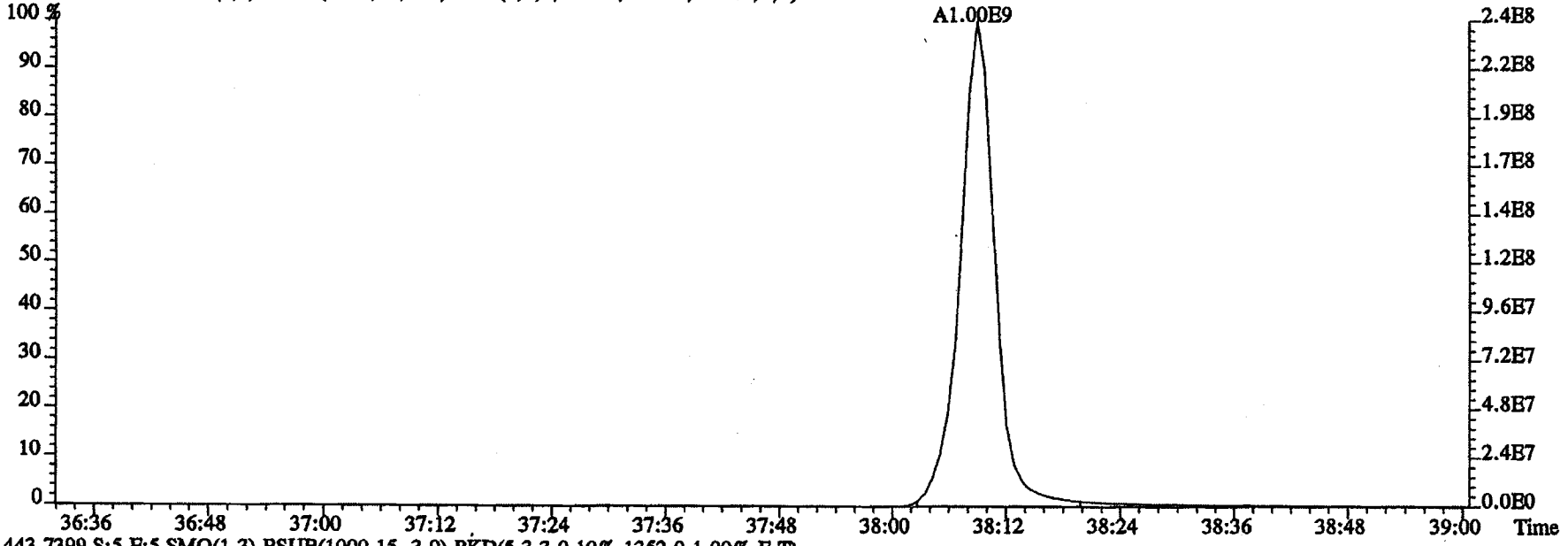




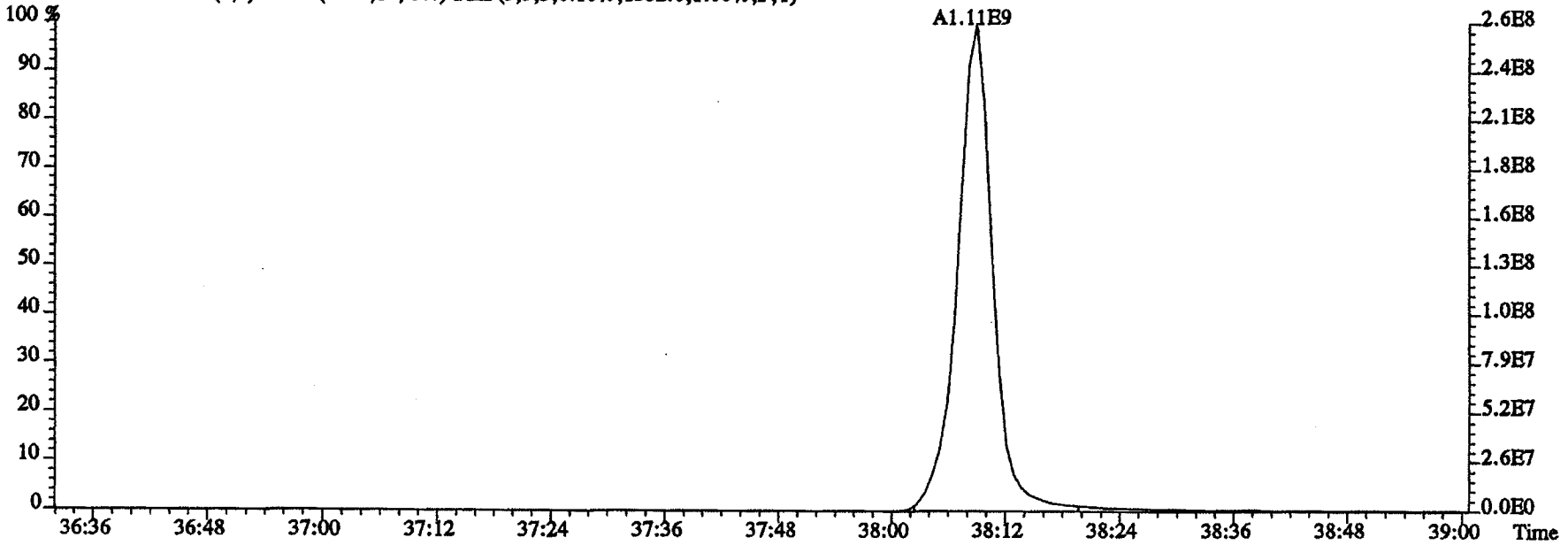




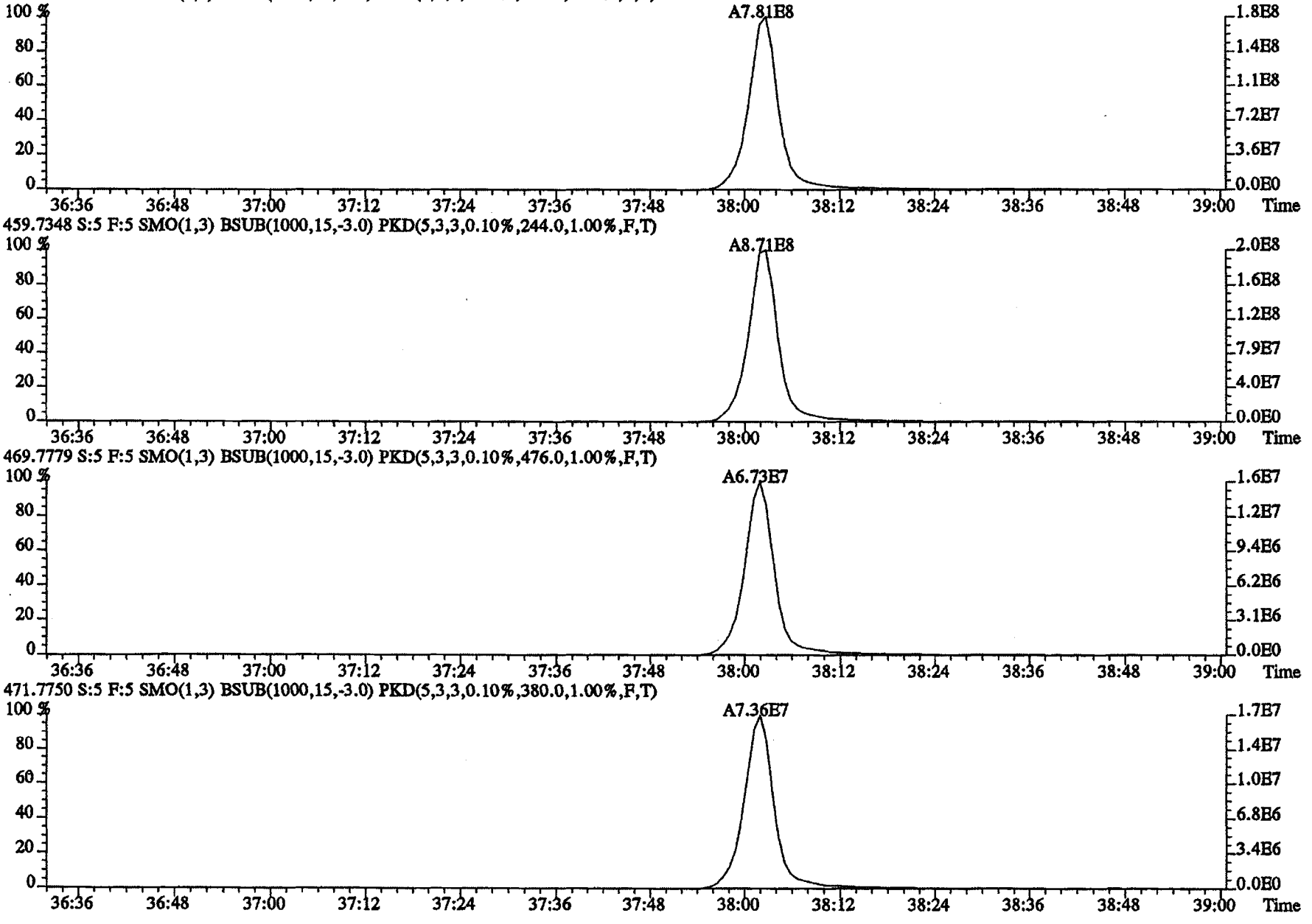
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)



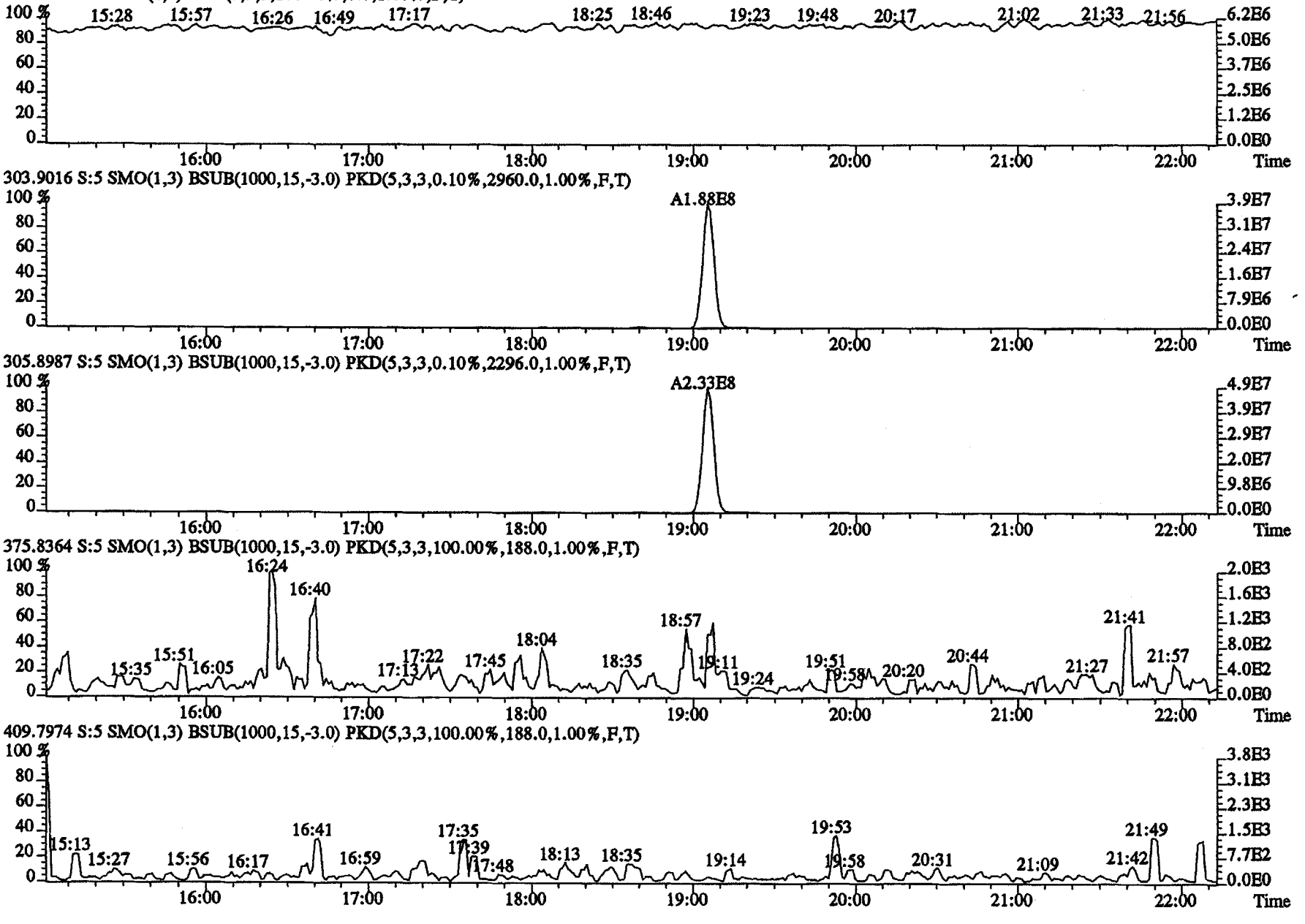
443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1352.0,1.00%,F,T)

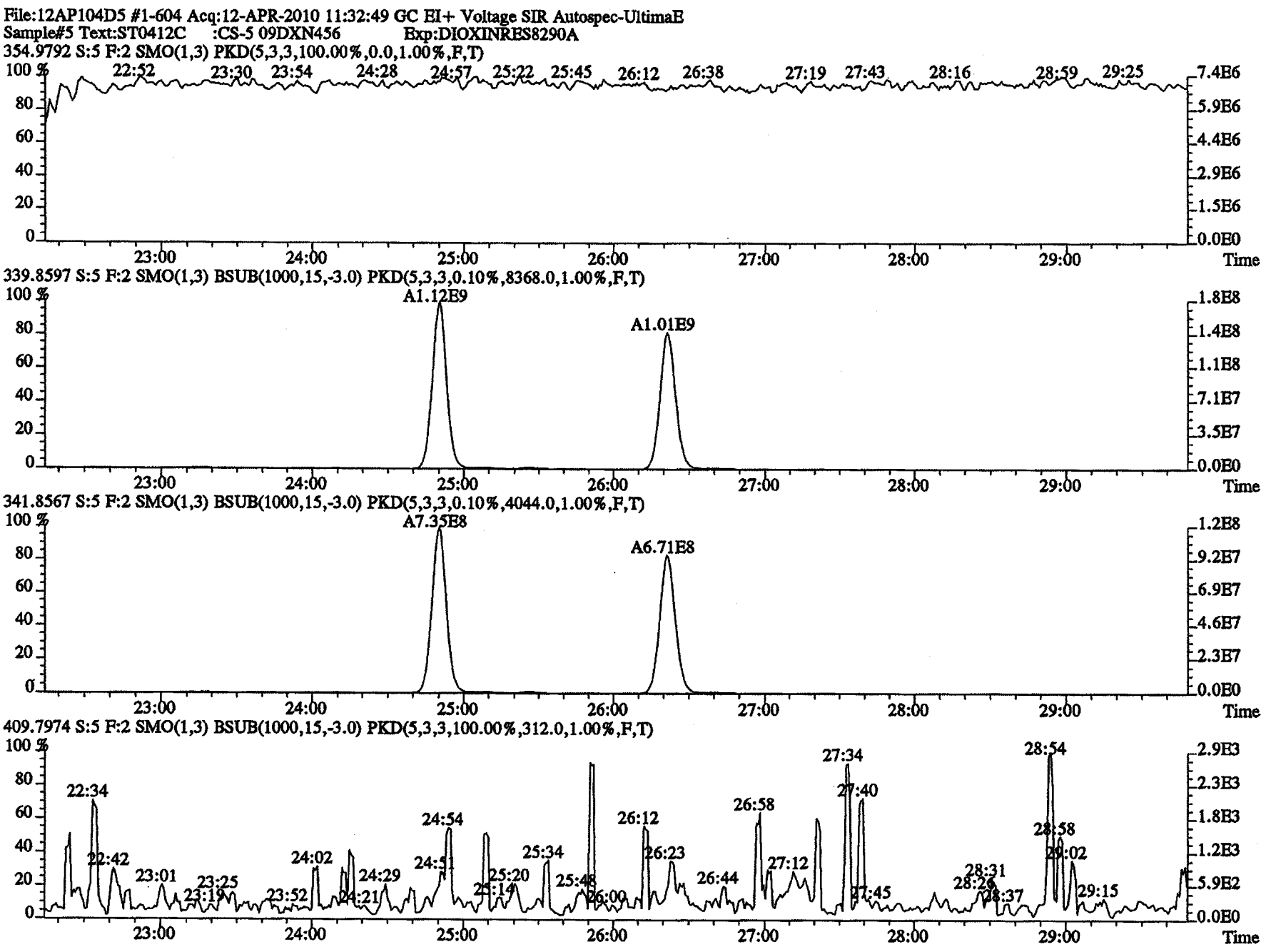


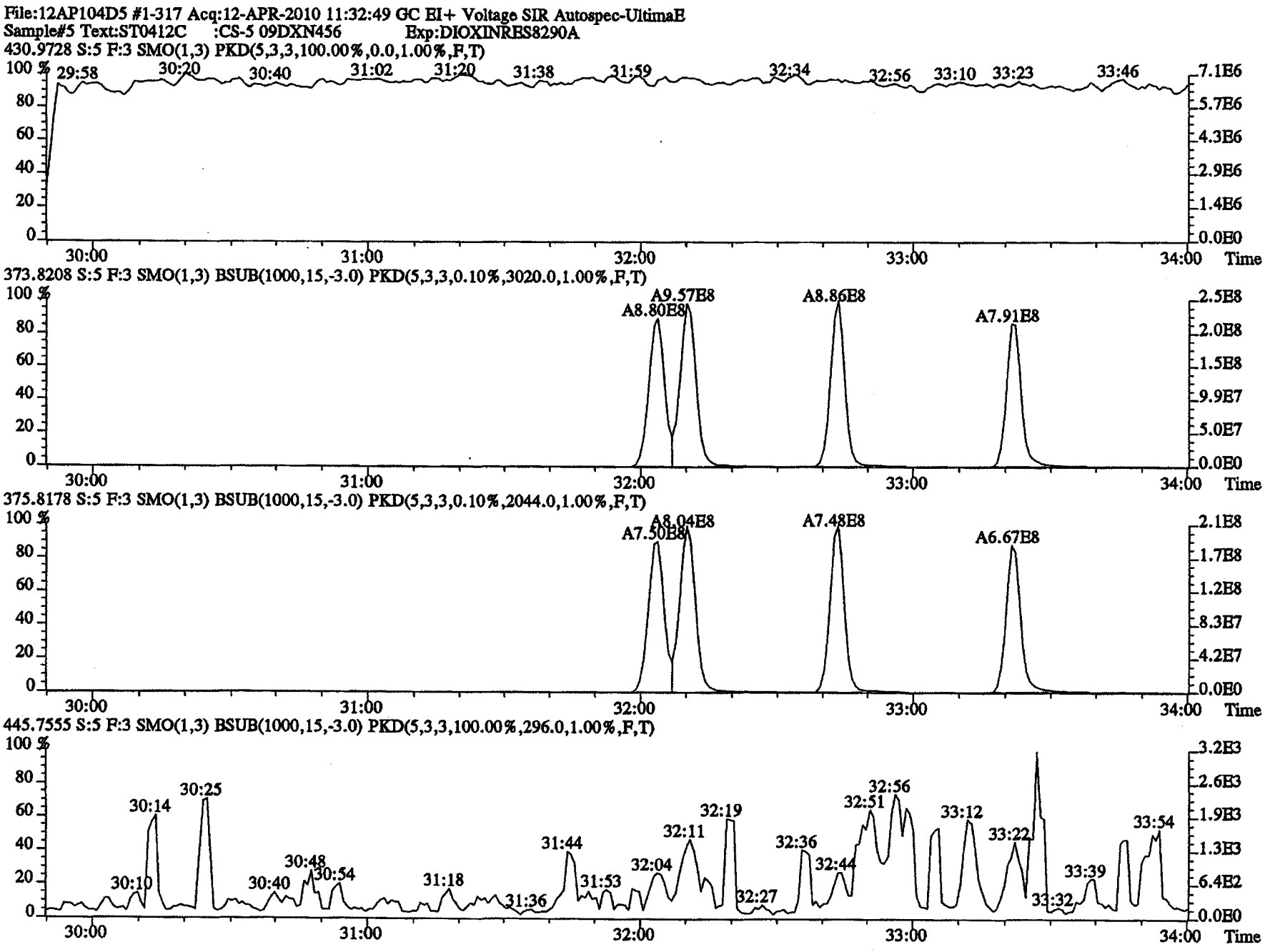
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

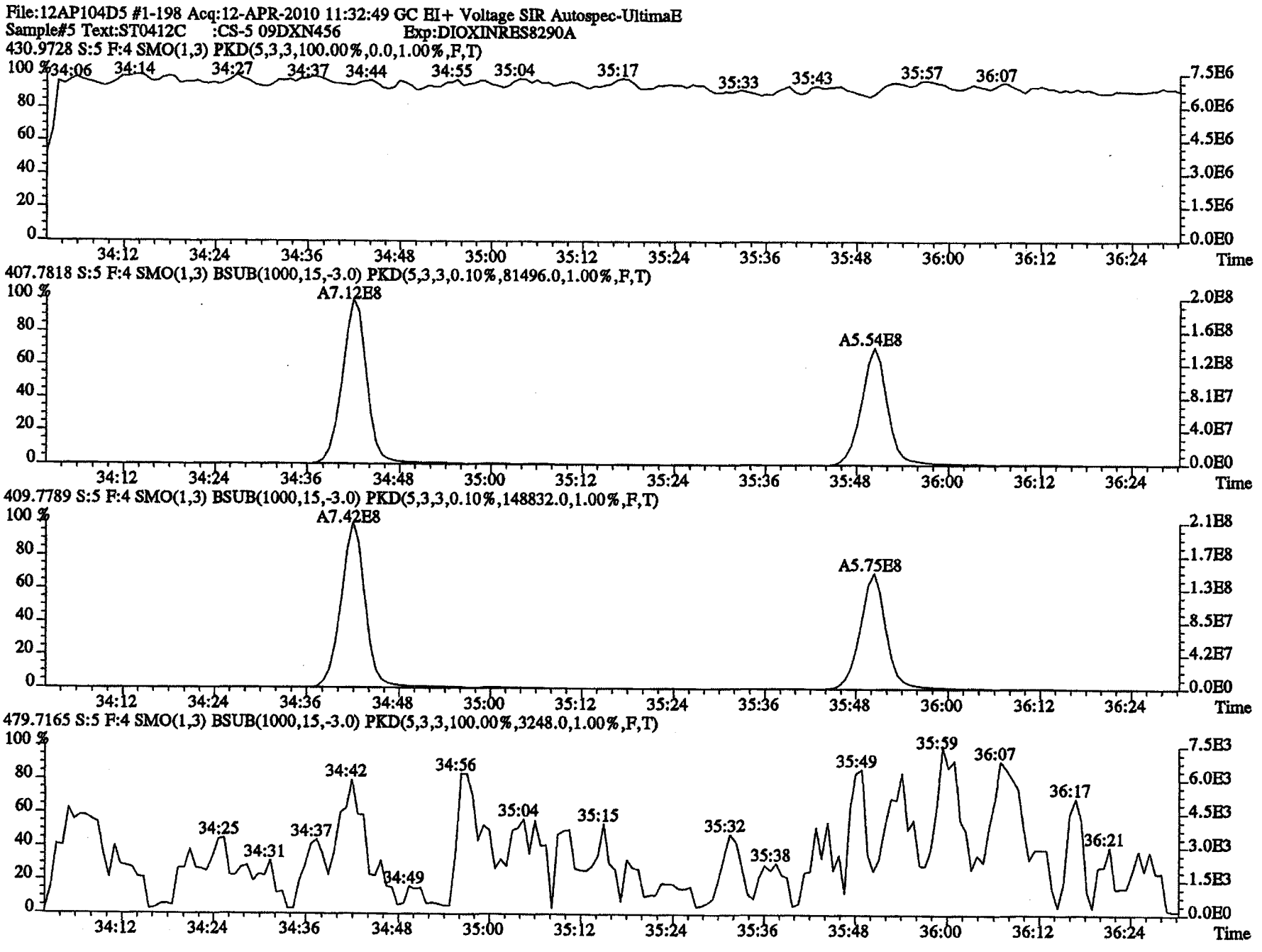


File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

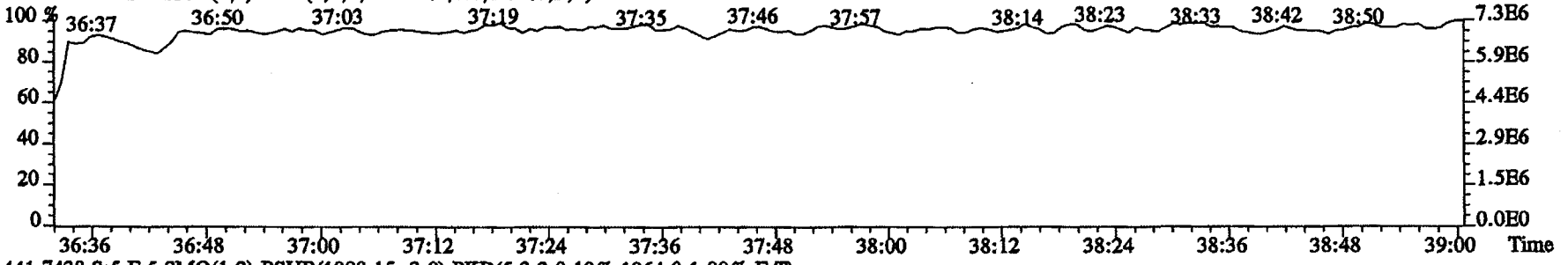



File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
354.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8368.0,1.00%,F,T)
A1.12E9
A1.01E9
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4044.0,1.00%,F,T)
A7.35E8
A6.71E8
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,312.0,1.00%,F,T)
Time

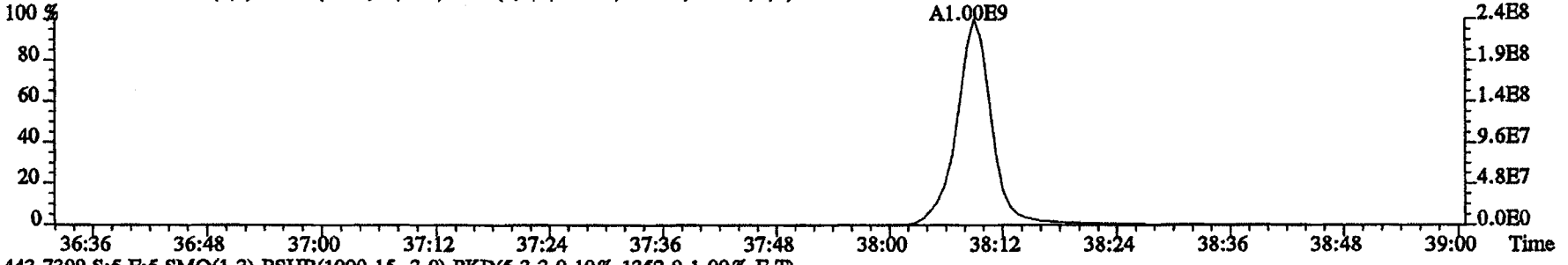

File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
430.9728 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3020.0,1.00%,F,T)
A8.80E8
A9.57E8
A8.86E8
A7.91E8
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2044.0,1.00%,F,T)
A7.50E8
A8.04E8
A7.48E8
A6.67E8
445.7555 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,296.0,1.00%,F,T)
Time


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
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%,81496.0,1.00%,F,T)
A7.12E8
A5.54E8
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148832.0,1.00%,F,T)
A7.42E8
A5.75E8
479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3248.0,1.00%,F,T)
Time

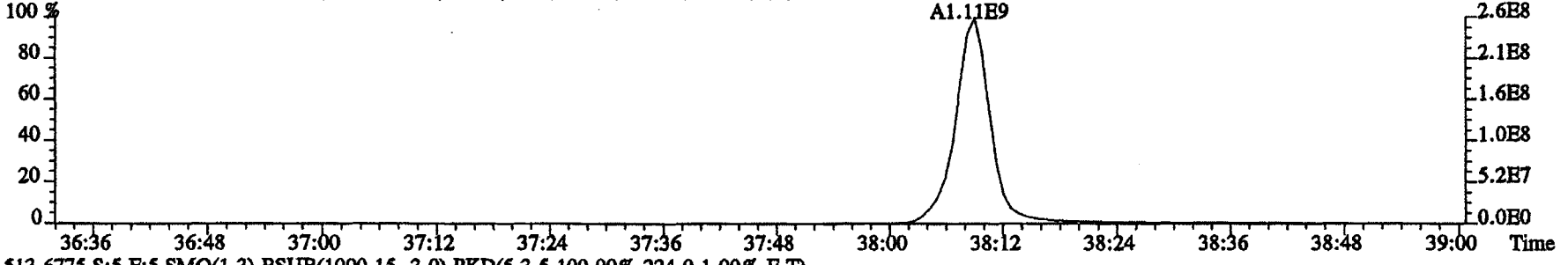
File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



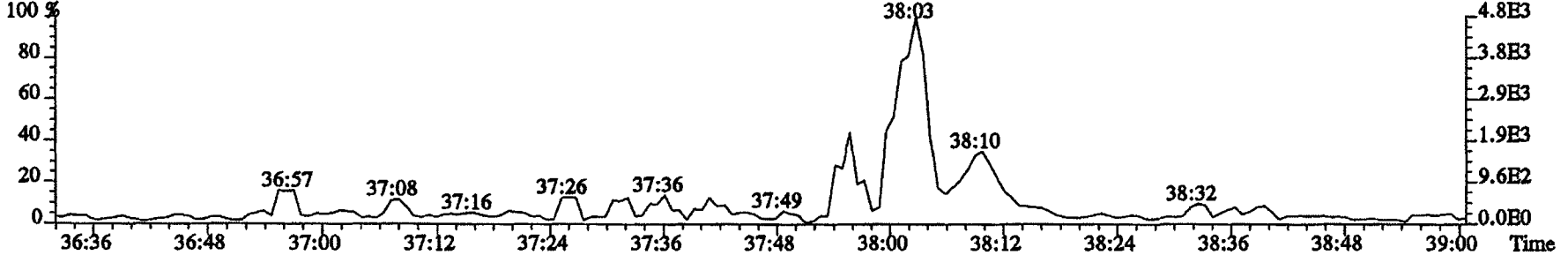
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)

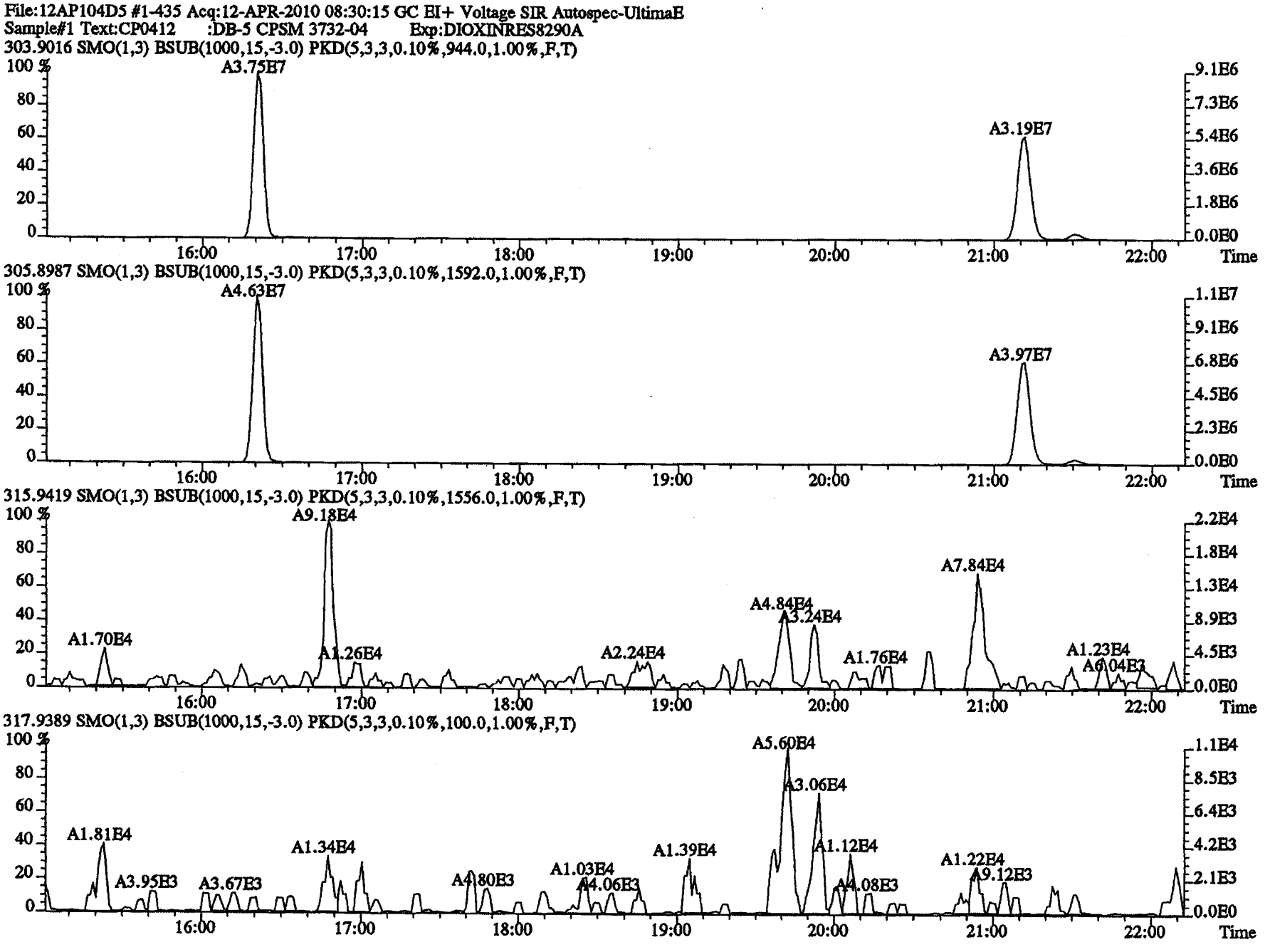


443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1352.0,1.00%,F,T)

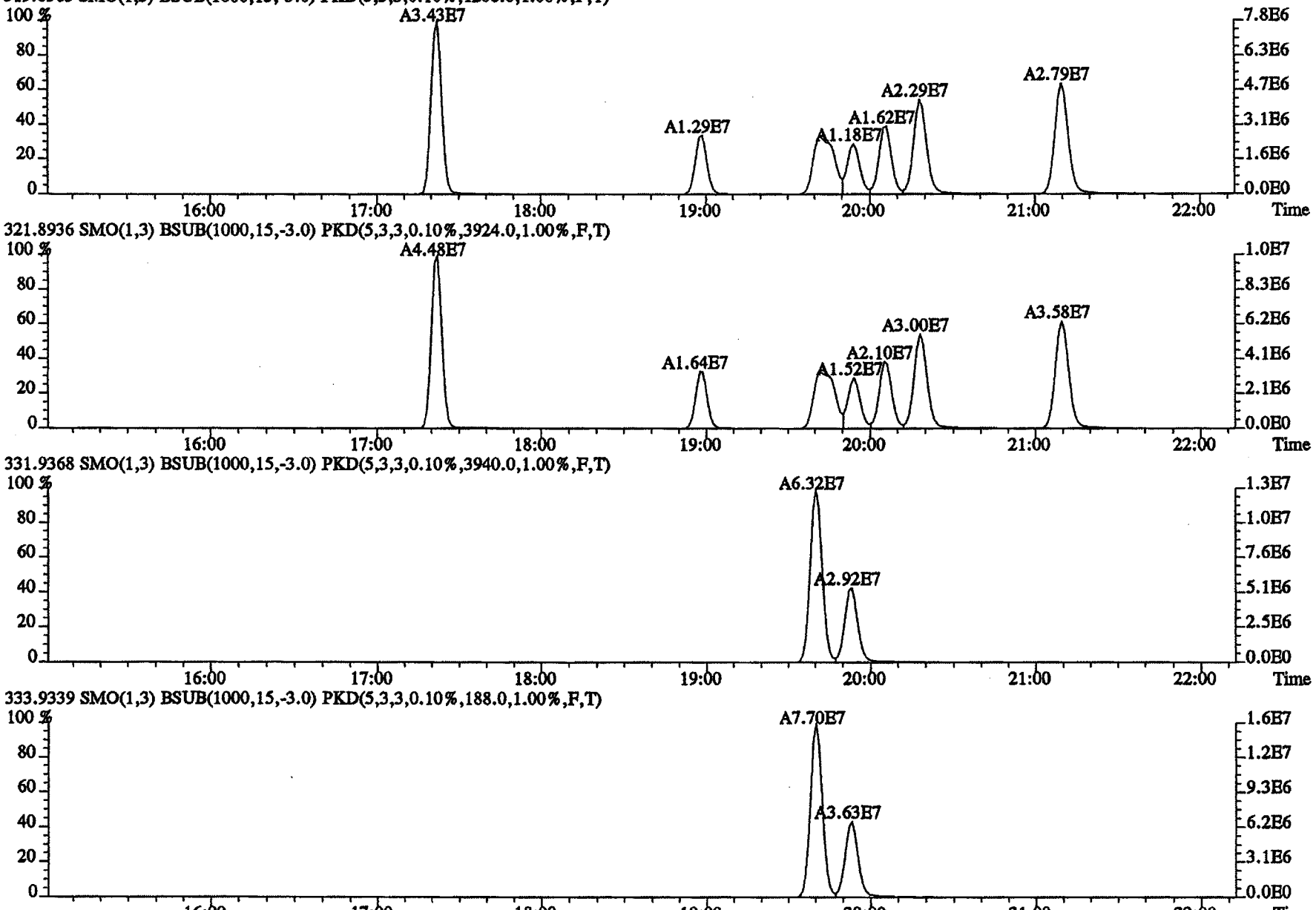


513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,224.0,1.00%,F,T)

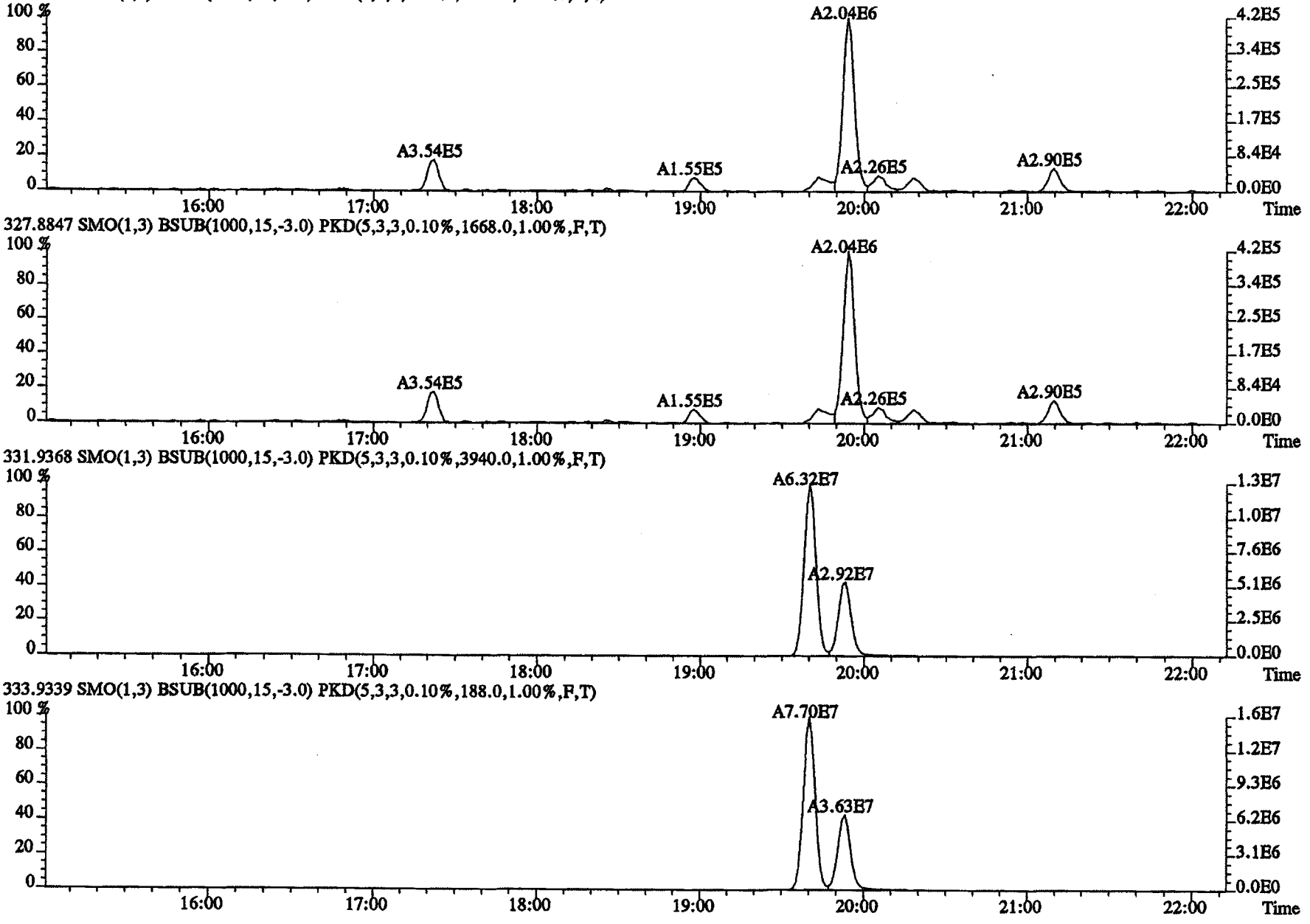


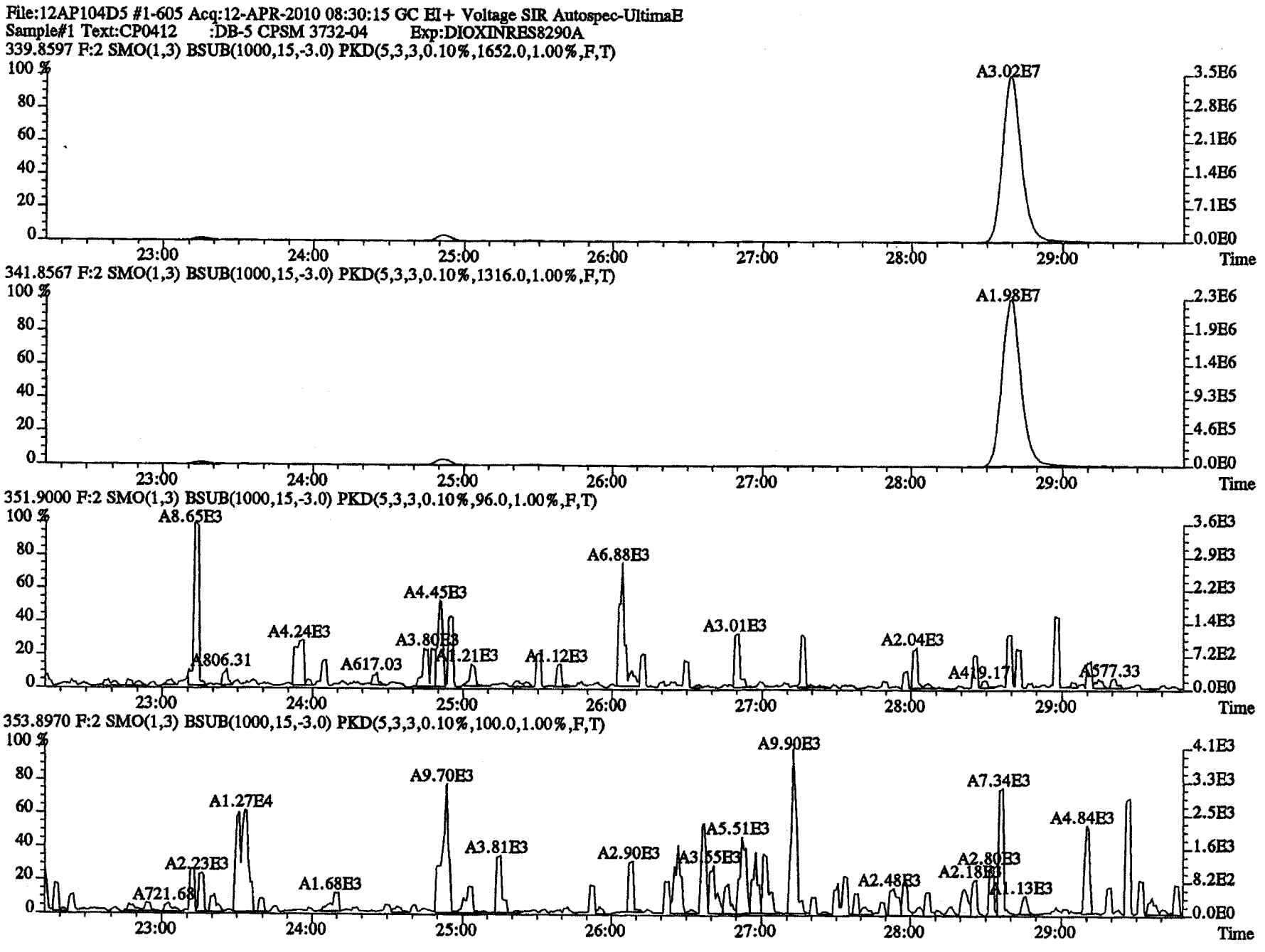

File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,944.0,1.00%,F,T)
A3.75E7
A3.19E7
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)
A4.63E7
A3.97E7
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1556.0,1.00%,F,T)
A9.18E4
A7.84E4
A4.84E4
A3.24E4
A1.70E4
A1.26E4
A2.24E4
A1.76E4
A1.23E4
A6.04E3
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)
A5.60E4
A3.06E4
A1.81E4
A1.34E4
A1.39E4
A1.12E4
A1.22E4
A3.95E3
A3.67E3
A4.80E3
A1.03E4
A4.06E3
A4.08E3
A9.12E3
Time

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

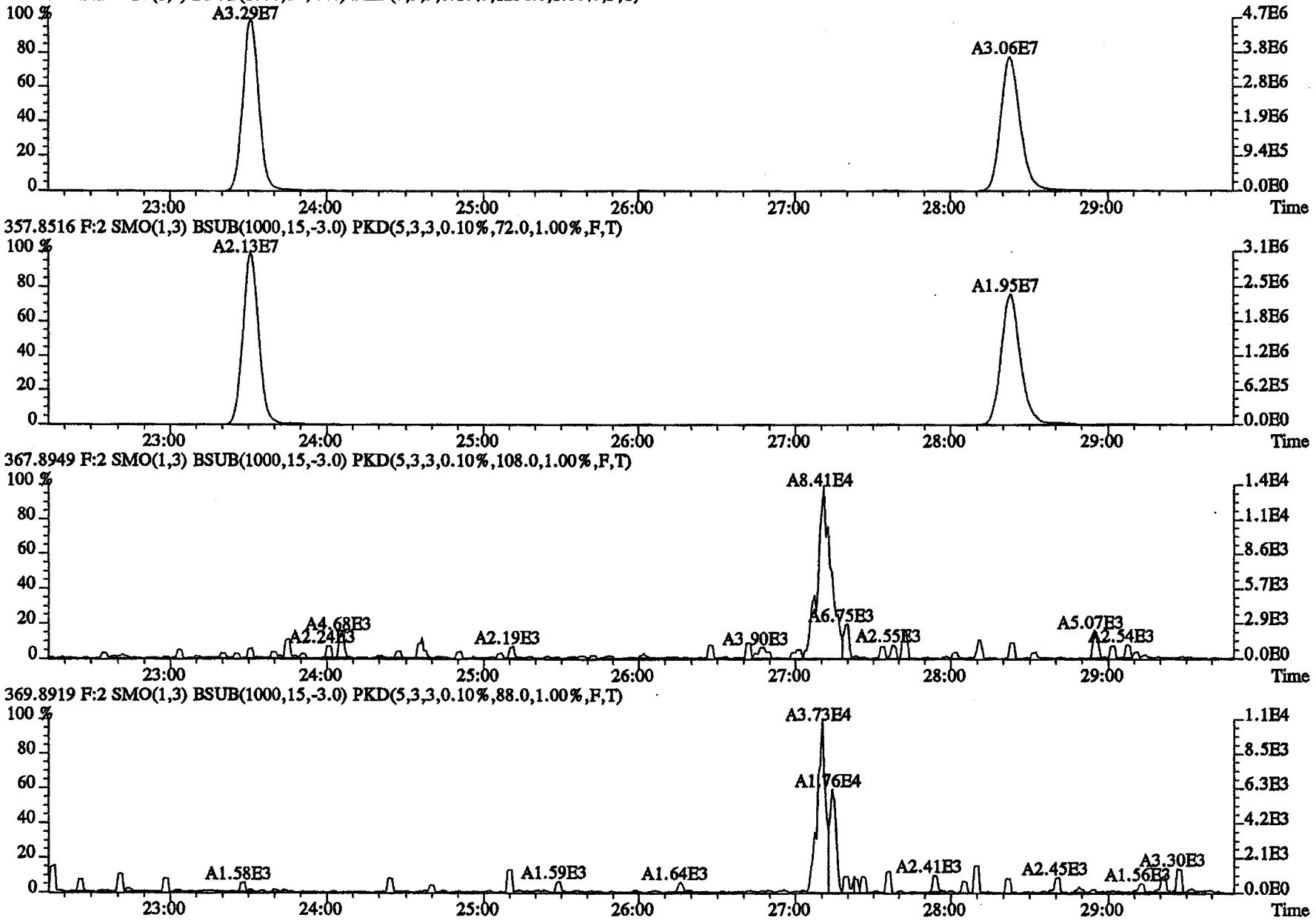


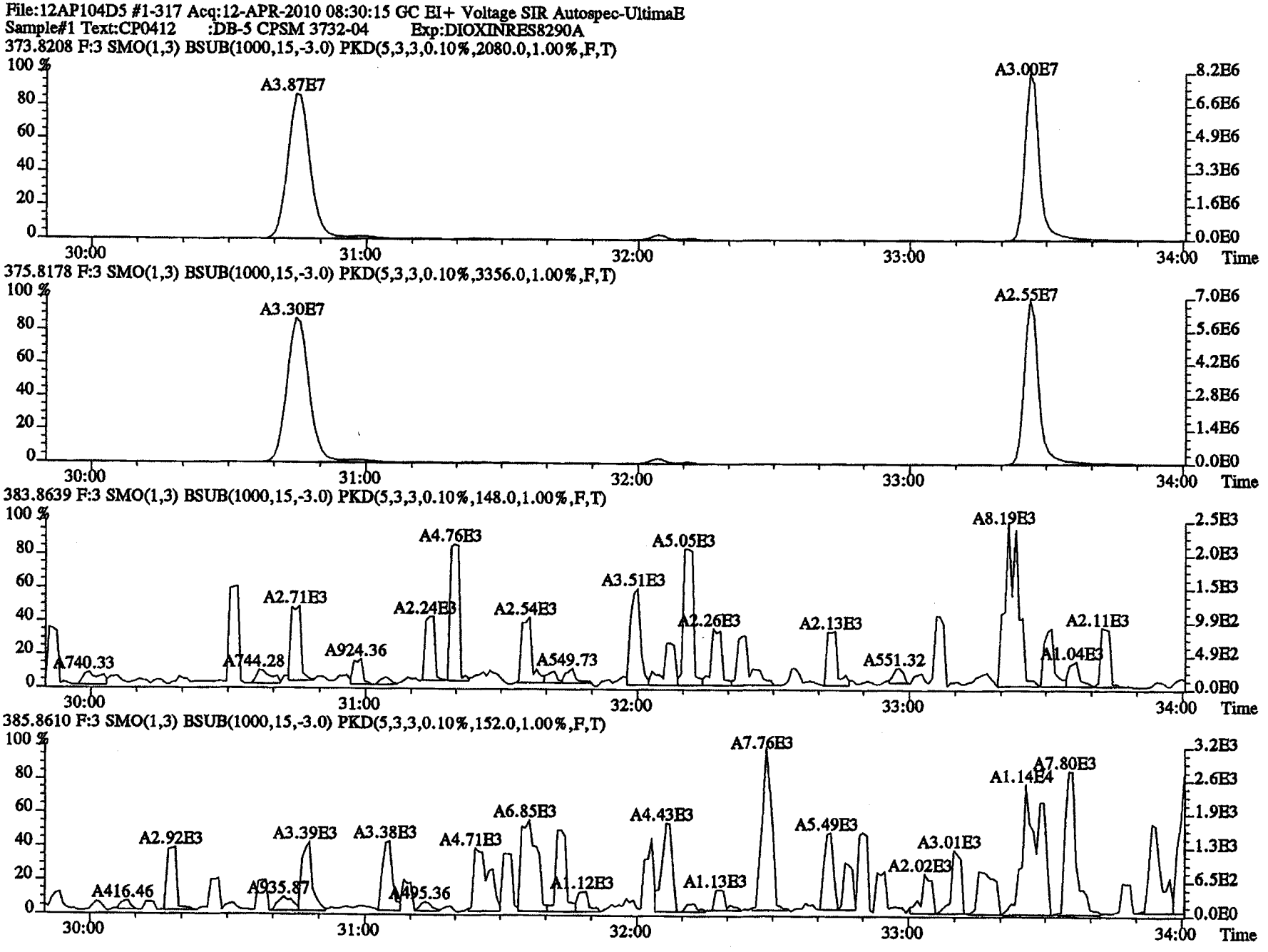
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

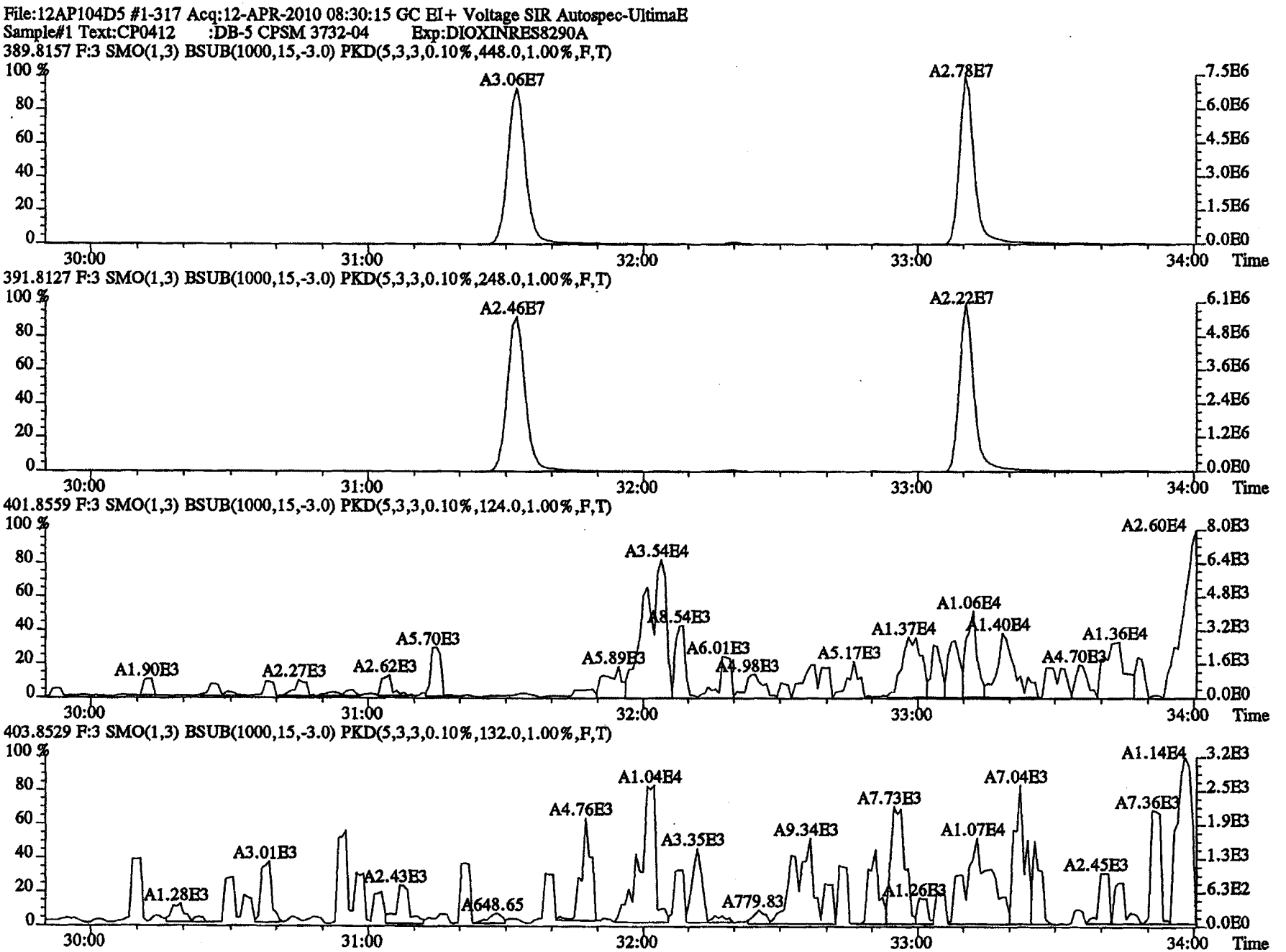


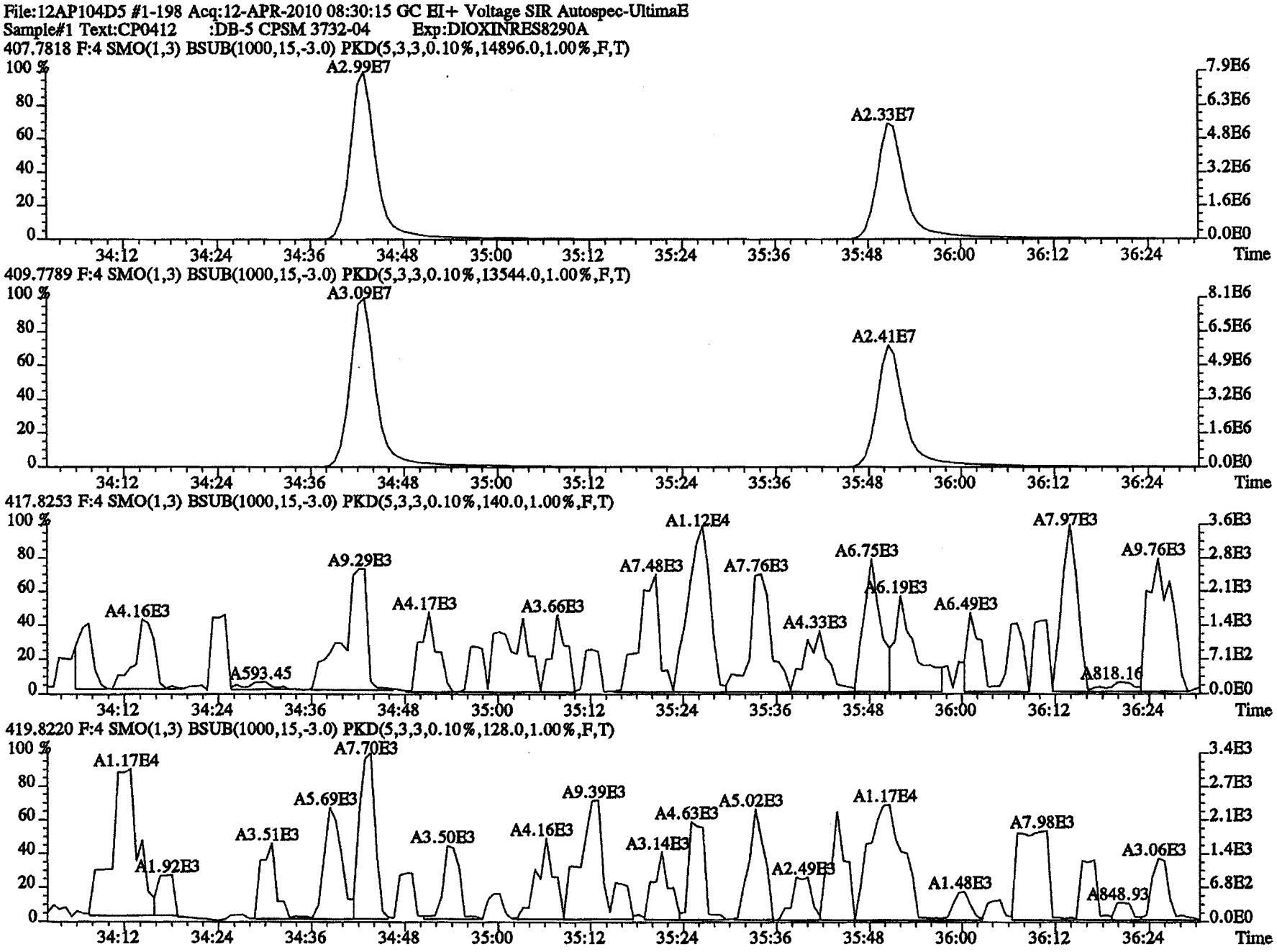

File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)
A3.02E7
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1316.0,1.00%,F,T)
A1.98E7
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)
A8.65E3
A806.31
A4.24E3
A617.03
A4.45E3
A3.80E3
A1.21E3
A1.12E3
A6.88E3
A3.01E3
A2.04E3
A419.17
A577.33
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)
A721.68
A2.23E3
A1.27E4
A1.68E3
A9.70E3
A3.81E3
A2.90E3
A3.55E3
A5.51E3
A9.90E3
A2.48E3
A2.18E3
A2.80E3
A1.13E3
A7.34E3
A4.84E3
Time

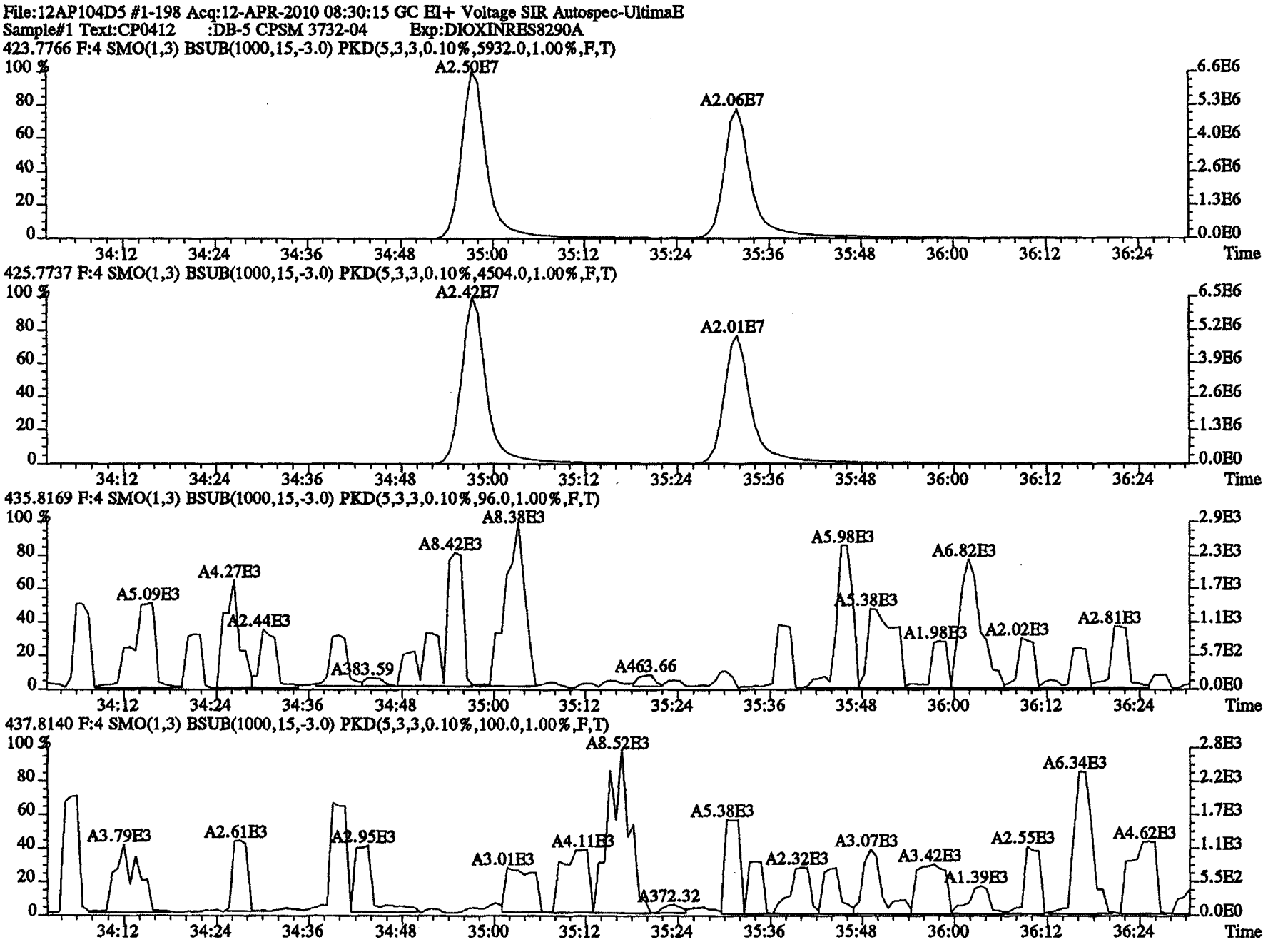
File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A



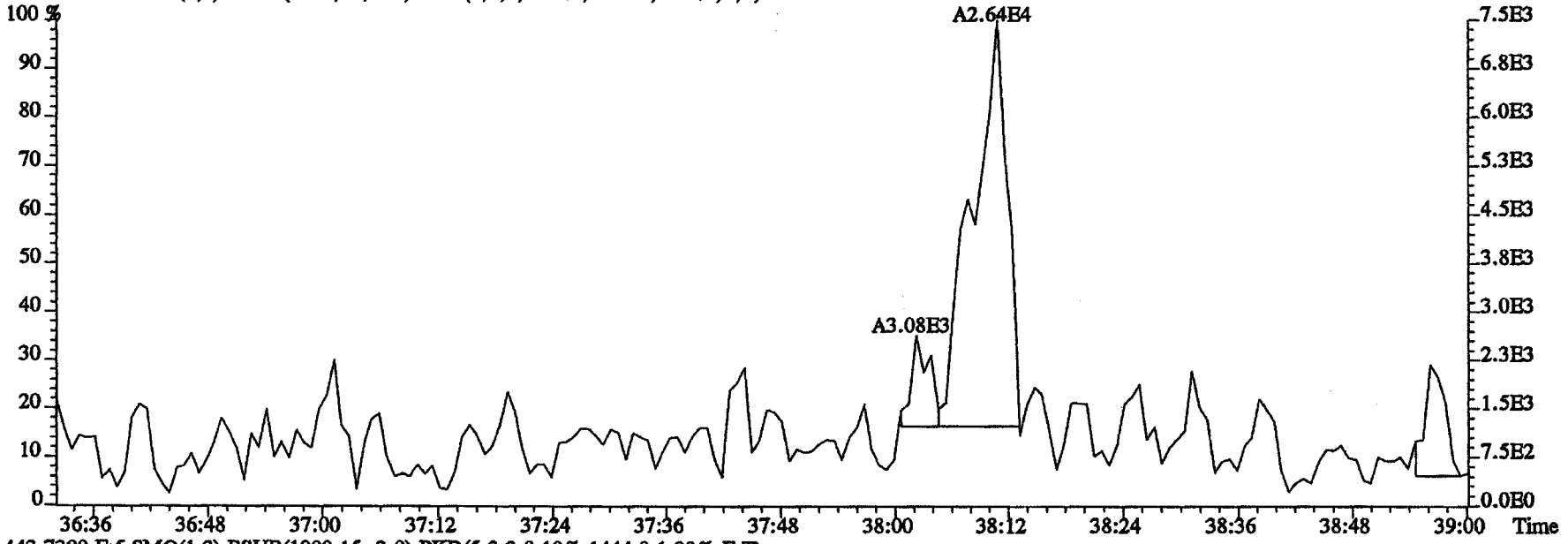

File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2080.0,1.00%,F,T)
A3.87E7
A3.00E7
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3356.0,1.00%,F,T)
A3.30E7
A2.55E7
383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)
A740.33
A744.28
A2.71E3
A924.36
A4.76E3
A2.24E3
A2.54E3
A549.73
A3.51E3
A5.05E3
A2.26E3
A2.13E3
A551.32
A8.19E3
A2.11E3
A1.04E3
385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152.0,1.00%,F,T)
A416.46
A2.92E3
A935.87
A3.39E3
A3.38E3
A495.36
A4.71E3
A6.85E3
A1.12E3
A4.43E3
A1.13E3
A7.76E3
A5.49E3
A2.02E3
A3.01E3
A1.14E4
A7.80E3
100 %
80
60
40
20
0
30:00
31:00
32:00
33:00
34:00
Time
8.2E6
6.6E6
4.9E6
3.3E6
1.6E6
0.0E0
7.0E6
5.6E6
4.2E6
2.8E6
1.4E6
2.5E3
2.0E3
1.5E3
9.9E2
4.9E2
3.2E3
2.6E3
1.9E3
1.3E3
6.5E2


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
389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,448.0,1.00%,F,T)
A3.06E7
A2.78E7
391.8127 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,248.0,1.00%,F,T)
A2.46E7
A2.22E7
401.8559 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)
A1.90E3
A2.27E3
A2.62E3
A5.70E3
A5.89E3
A3.54E4
A8.54E3
A6.01E3
A4.98E3
A5.17E3
A1.37E4
A1.06E4
A1.40E4
A4.70E3
A1.36E4
A2.60E4
403.8529 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)
A1.28E3
A3.01E3
A2.43E3
A648.65
A4.76E3
A1.04E4
A3.35E3
A779.83
A9.34E3
A7.73E3
A1.26E3
A1.07E4
A7.04E3
A2.45E3
A7.36E3
A1.14E4
30:00
31:00
32:00
33:00
34:00
Time

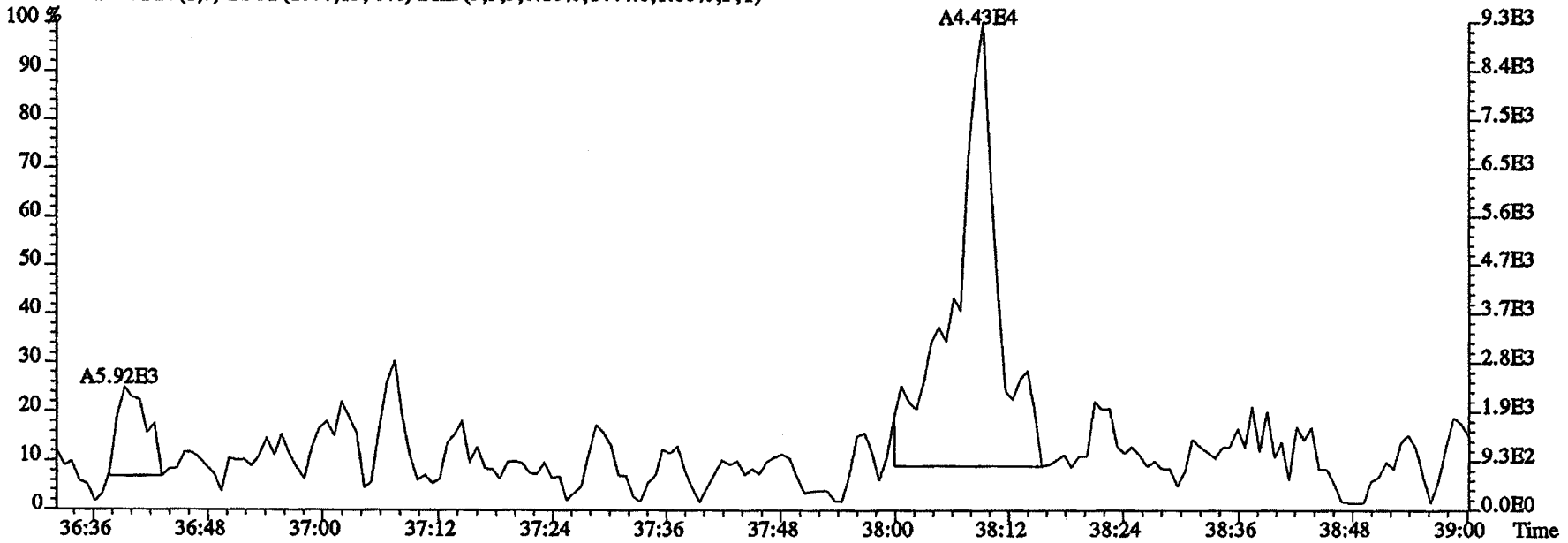

File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14896.0,1.00%,F,T)
A2.99E7
A2.33E7
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13544.0,1.00%,F,T)
A3.09E7
A2.41E7
417.8253 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)
A1.12E4
A9.29E3
A7.48E3
A7.76E3
A6.75E3
A7.97E3
A9.76E3
A6.19E3
A4.16E3
A4.17E3
A3.66E3
A6.49E3
A4.33E3
A593.45
A818.16
419.8220 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)
A1.17E4
A7.70E3
A5.69E3
A9.39E3
A4.63E3
A5.02E3
A1.17E4
A3.51E3
A3.50E3
A4.16E3
A3.14E3
A7.98E3
A3.06E3
A1.92E3
A2.49E3
A1.48E3
A848.93
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
7.9E6
6.3E6
4.8E6
3.2E6
1.6E6
0.0E0
8.1E6
6.5E6
4.9E6
3.2E6
1.6E6
0.0E0
3.6E3
2.8E3
2.1E3
1.4E3
7.1E2
0.0E0
3.4E3
2.7E3
2.1E3
1.4E3
6.8E2
0.0E0


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

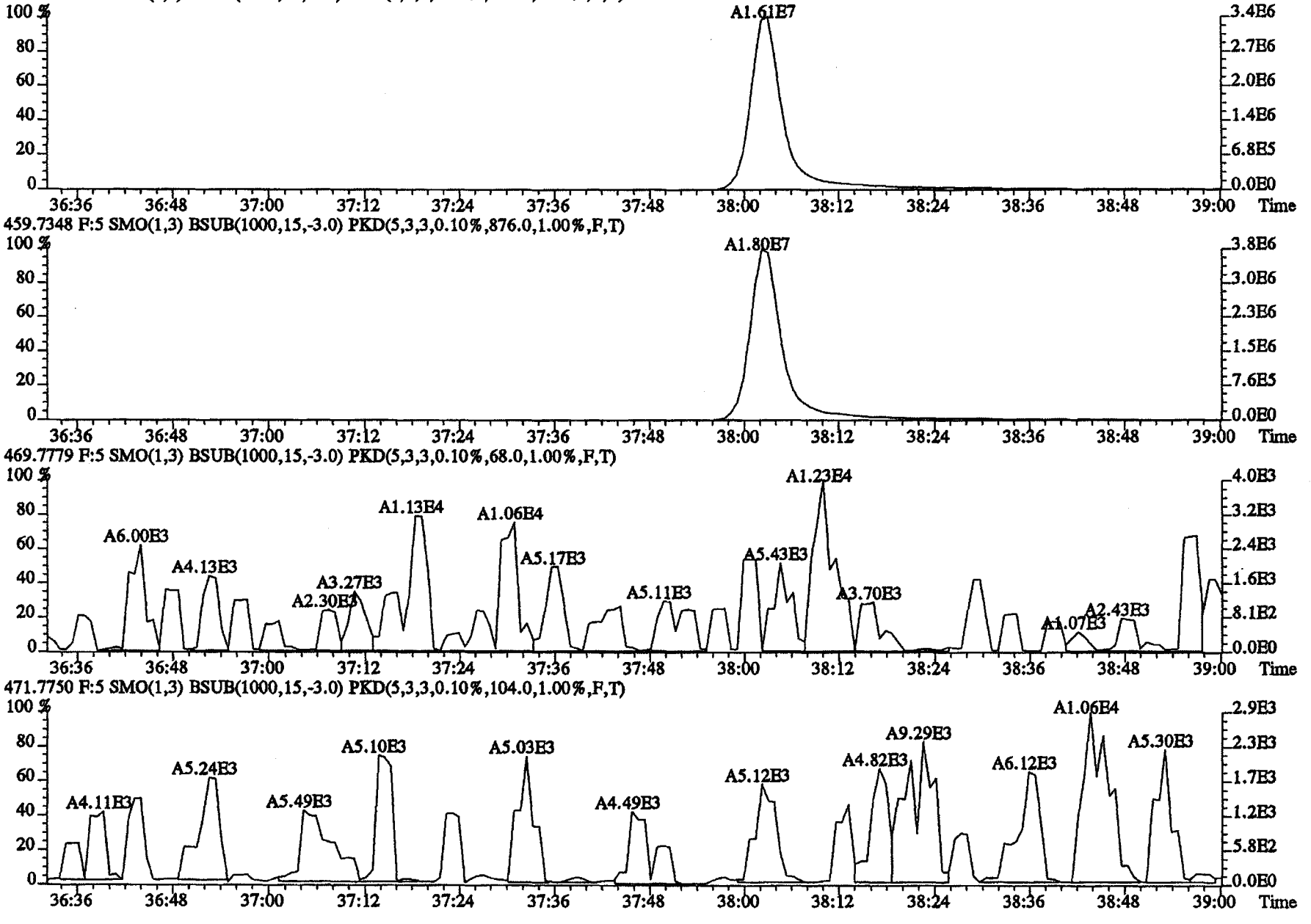
File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1148.0,1.00%,F,T)



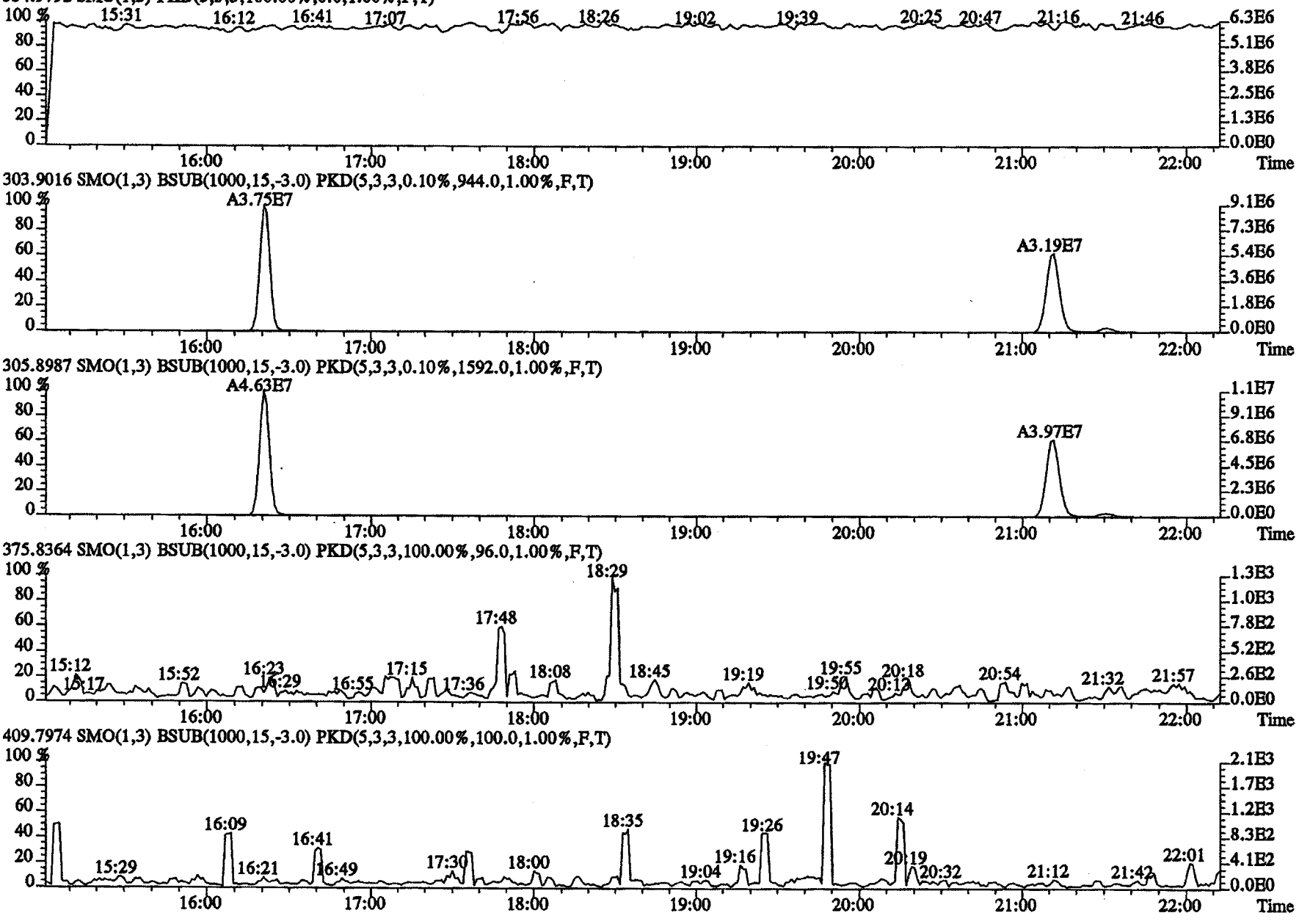
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)

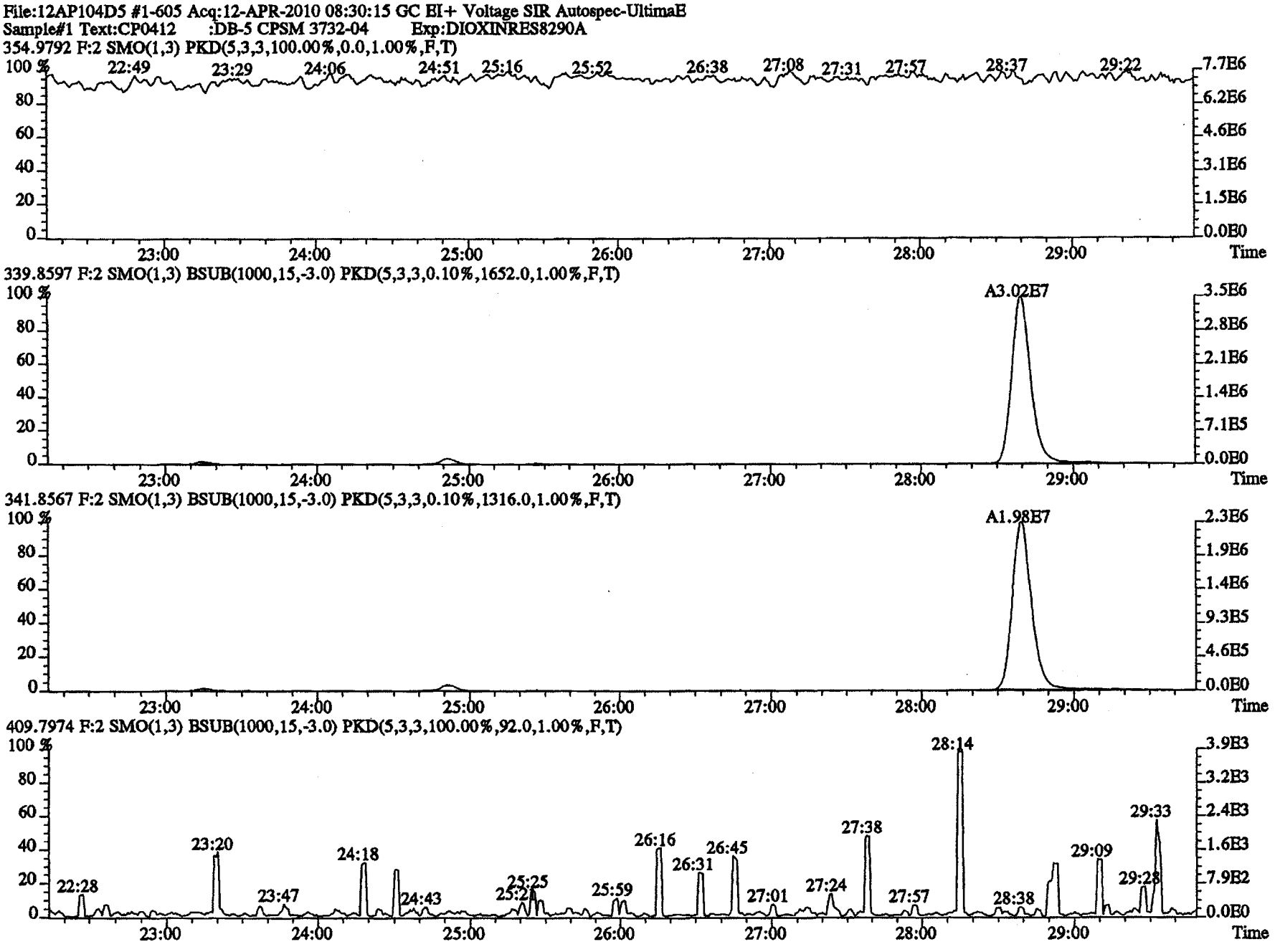


File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

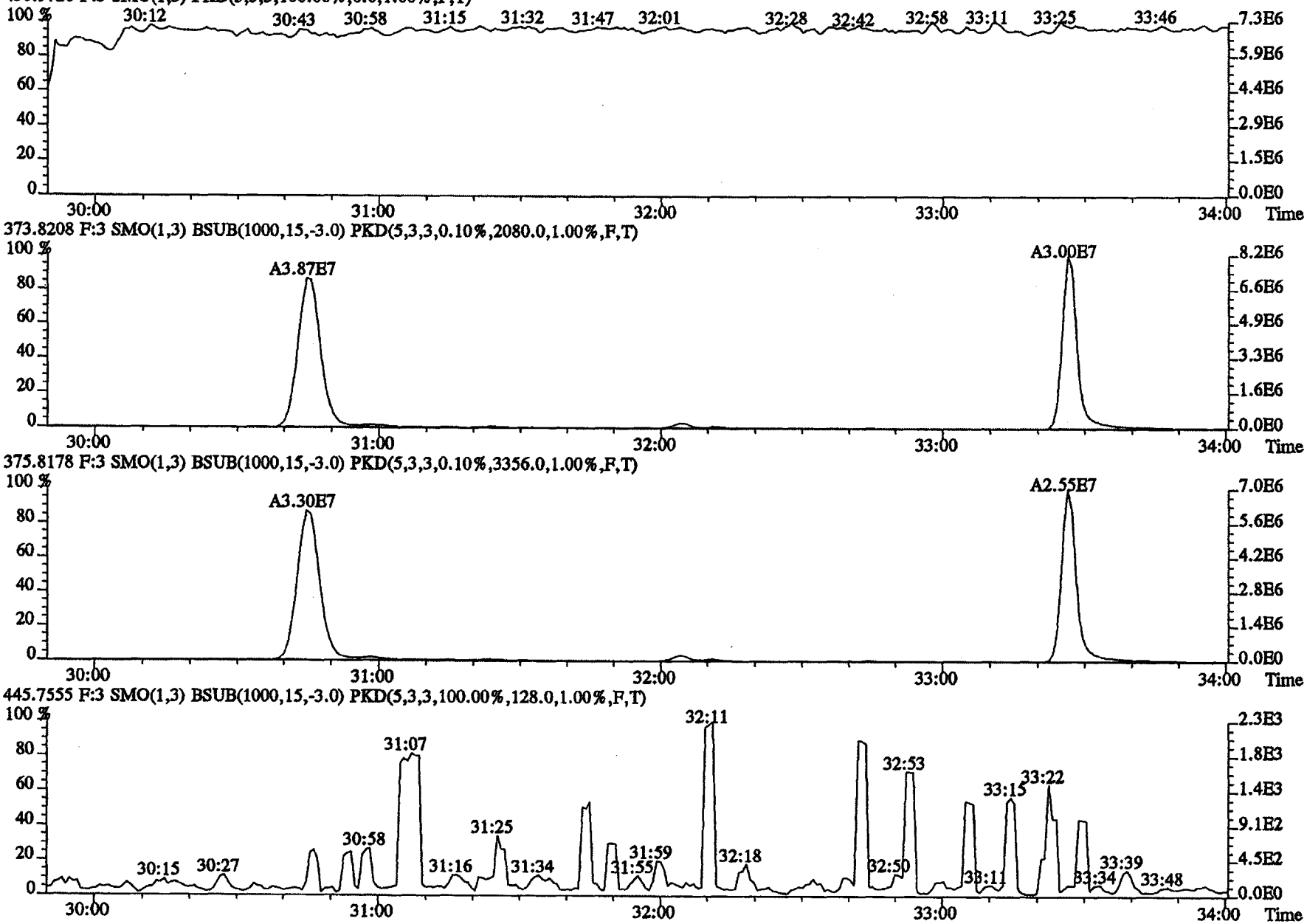


File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

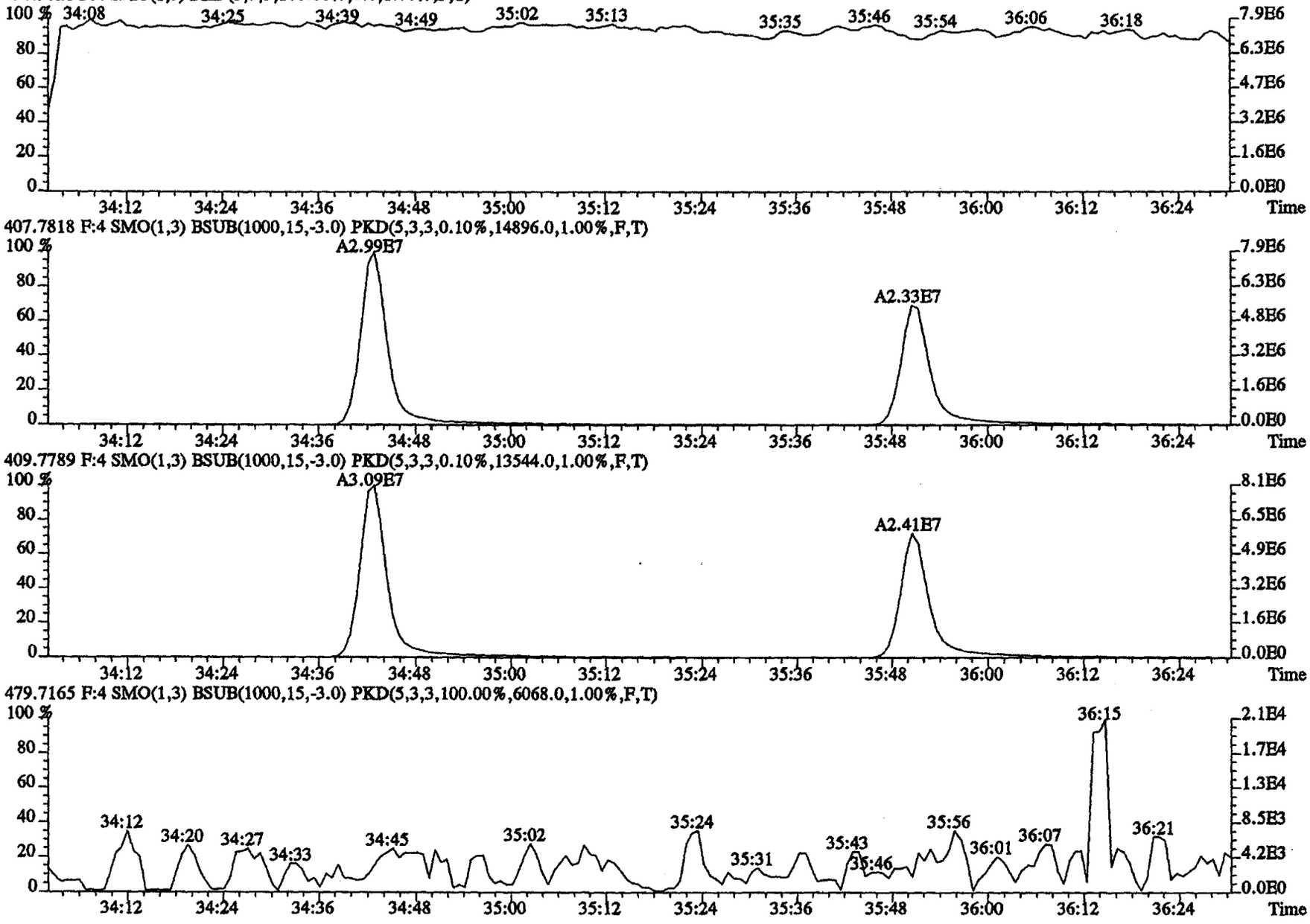


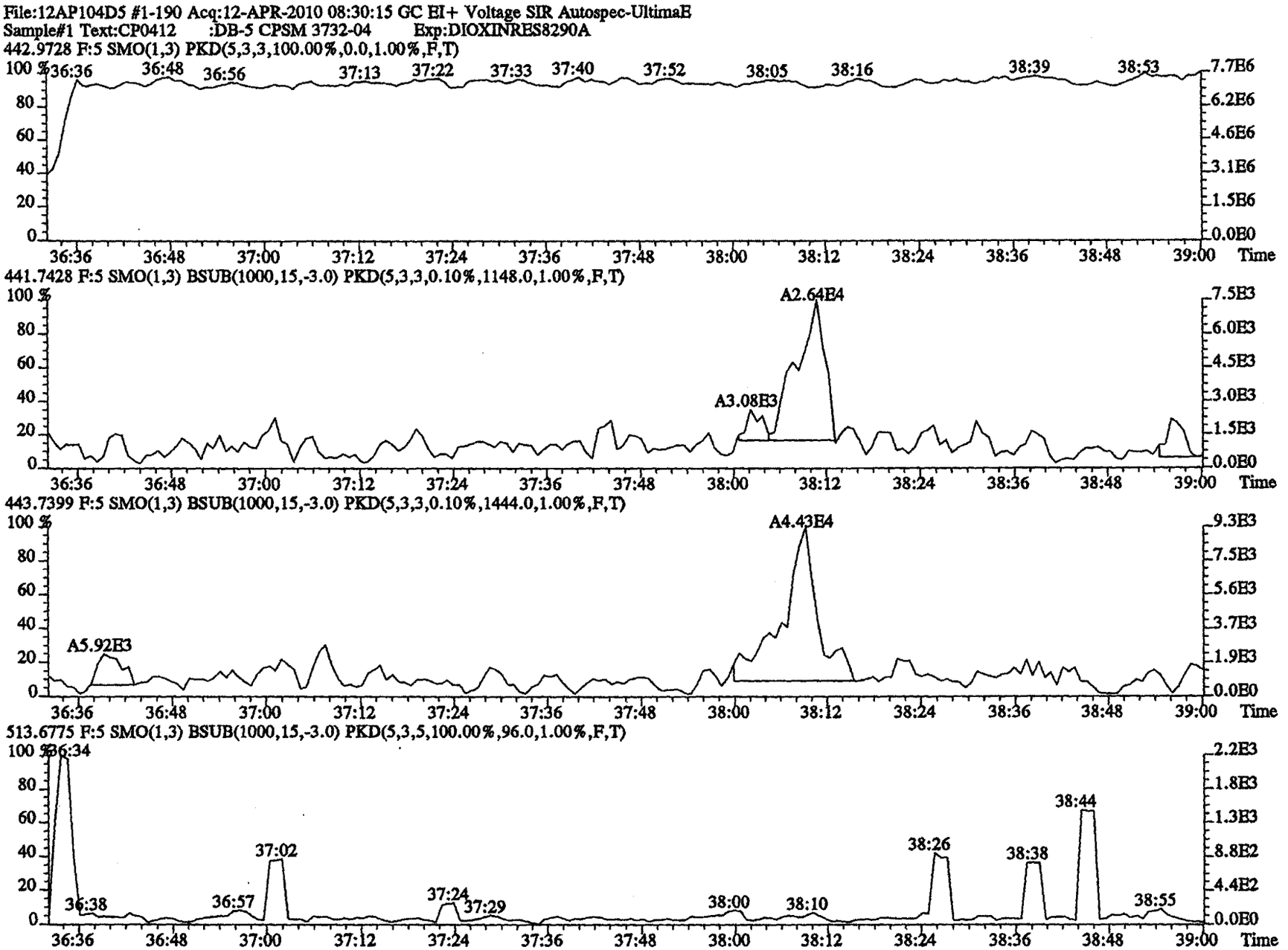

File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
354.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
22:49
23:29
24:06
24:51
25:16
25:52
26:38
27:08
27:31
27:57
28:37
29:22
7.7E6
6.2E6
4.6E6
3.1E6
1.5E6
0.0E0
Time
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)
A3.02E7
3.5E6
2.8E6
2.1E6
1.4E6
7.1E5
0.0E0
Time
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1316.0,1.00%,F,T)
A1.98E7
2.3E6
1.9E6
1.4E6
9.3E5
4.6E5
0.0E0
Time
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)
22:28
23:20
23:47
24:18
24:43
25:25
25:59
26:16
26:31
26:45
27:01
27:24
27:38
27:57
28:14
28:38
29:09
29:28
29:33
3.9E3
3.2E3
2.4E3
1.6E3
7.9E2
0.0E0
Time

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

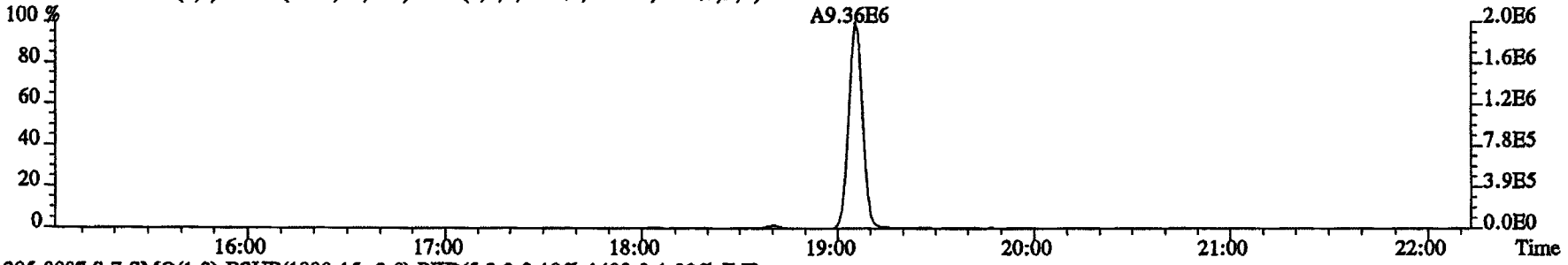


File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A

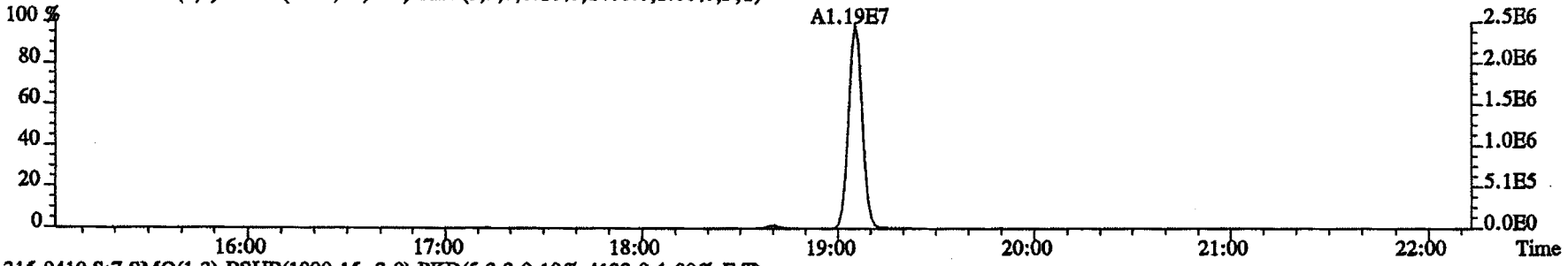



File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1148.0,1.00%,F,T)
A2.64E4
A3.08E3
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1444.0,1.00%,F,T)
A4.43E4
A5.92E3
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,96.0,1.00%,F,T)
Time

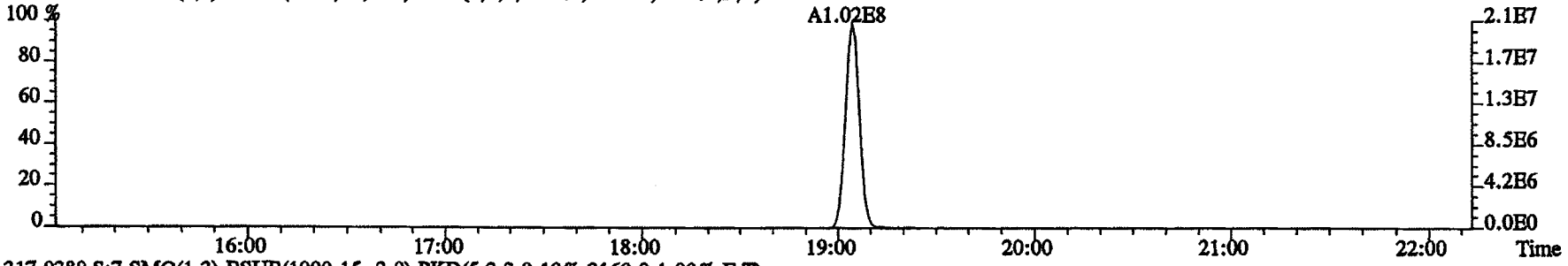
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



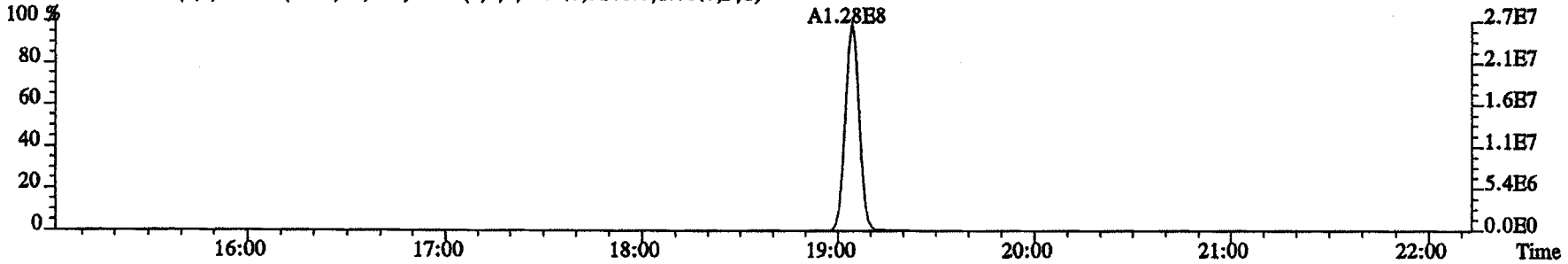
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)



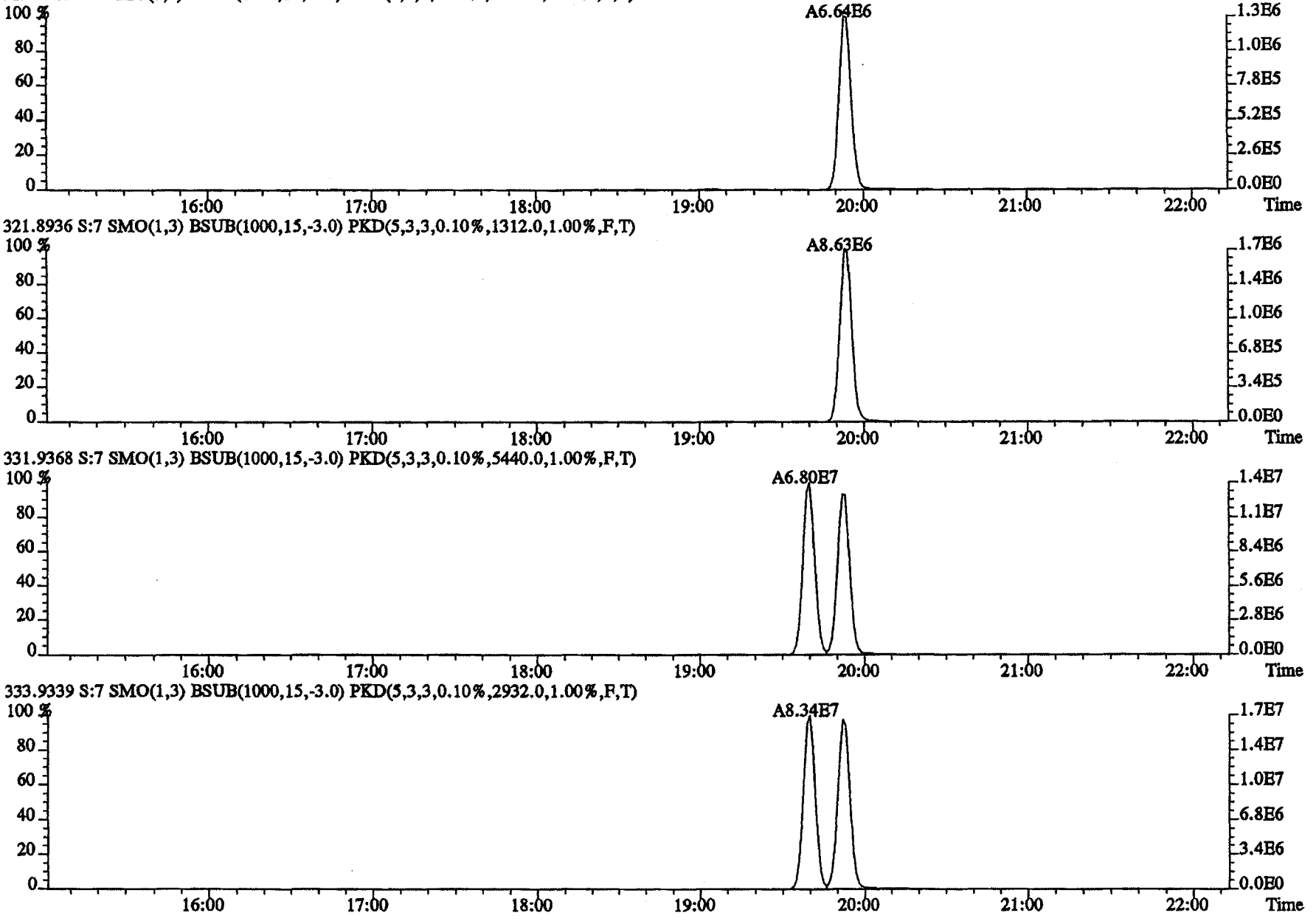
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4132.0,1.00%,F,T)



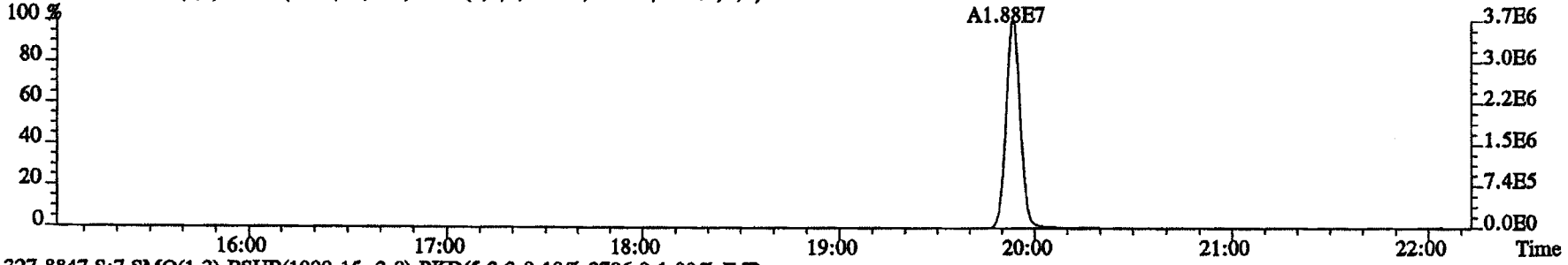
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3160.0,1.00%,F,T)



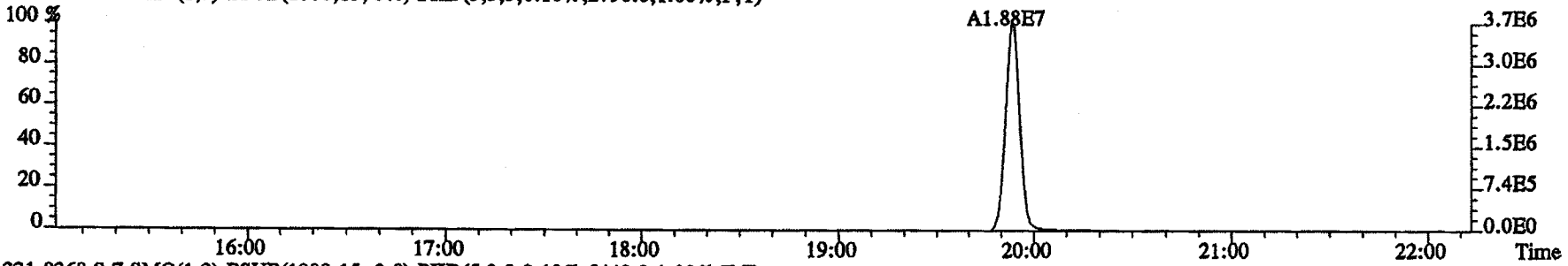
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A



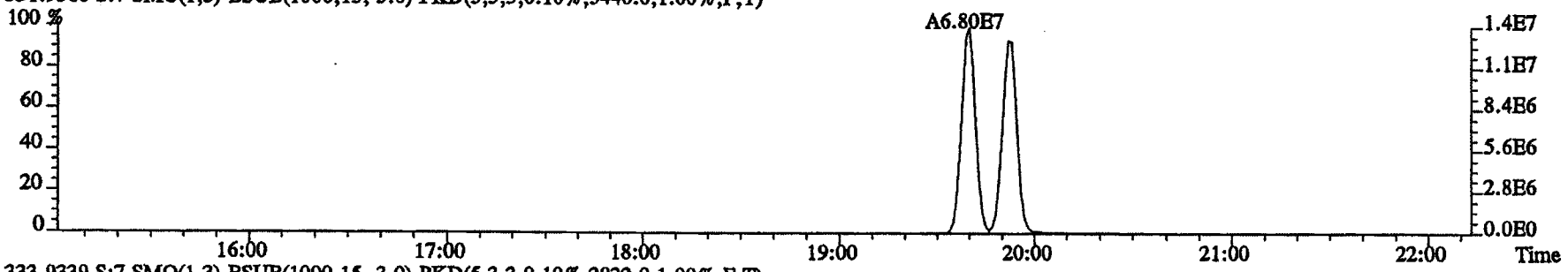
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T)



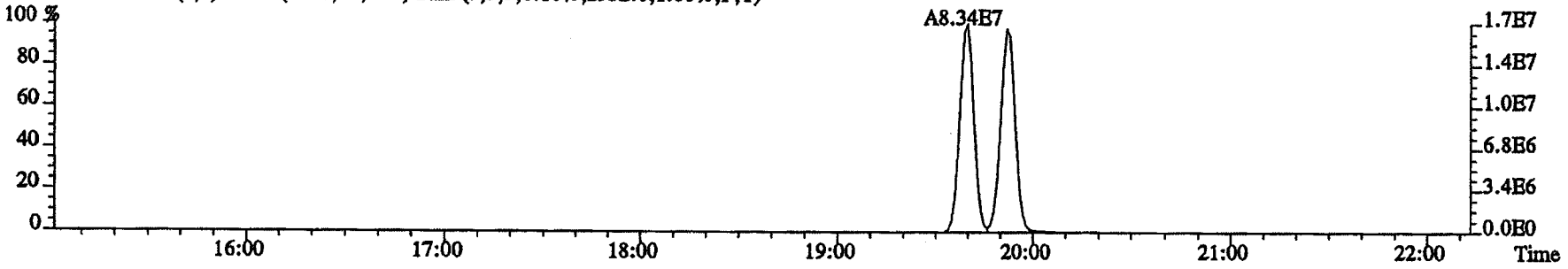
327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796.0,1.00%,F,T)

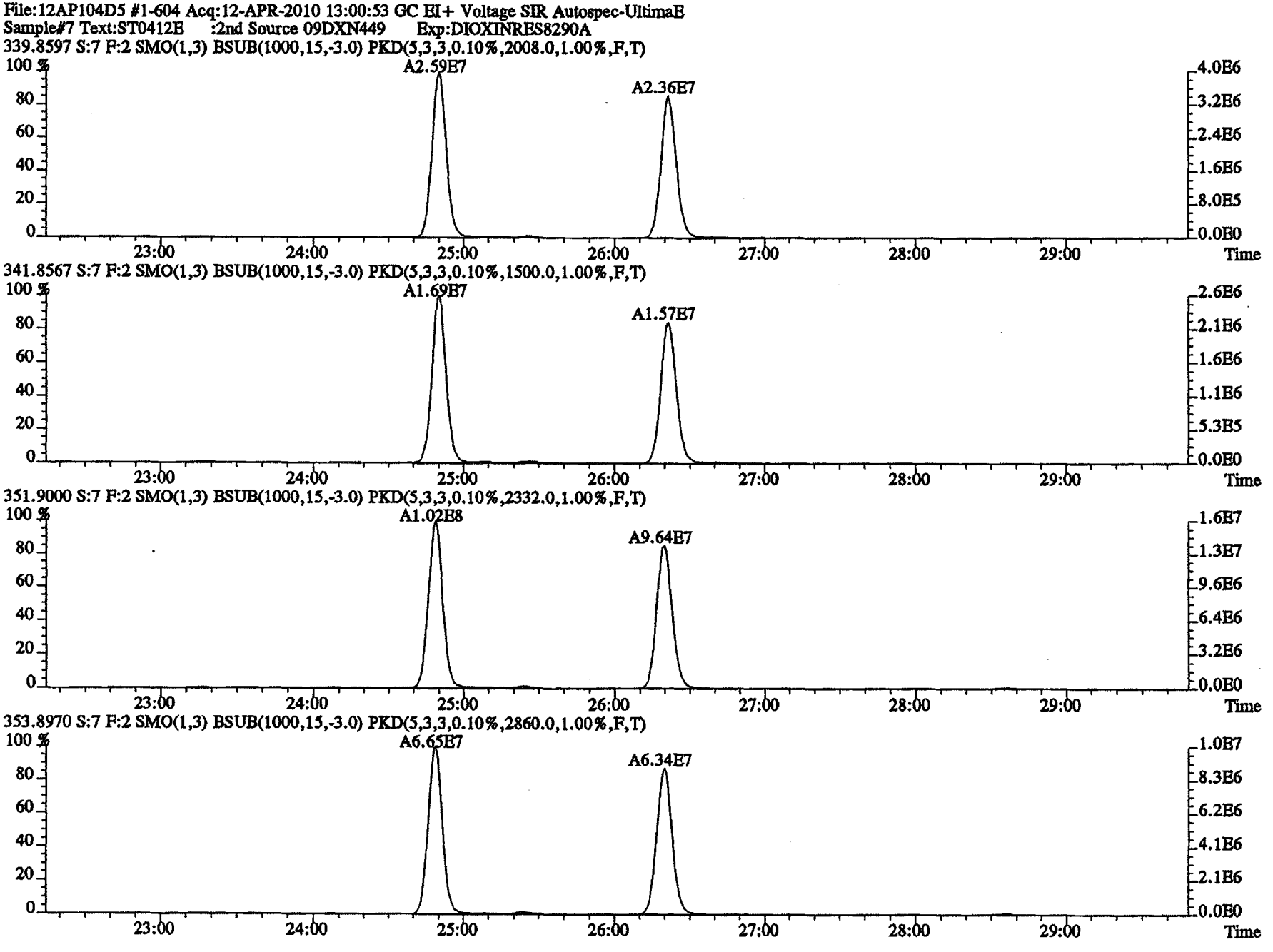


331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5440.0,1.00%,F,T)

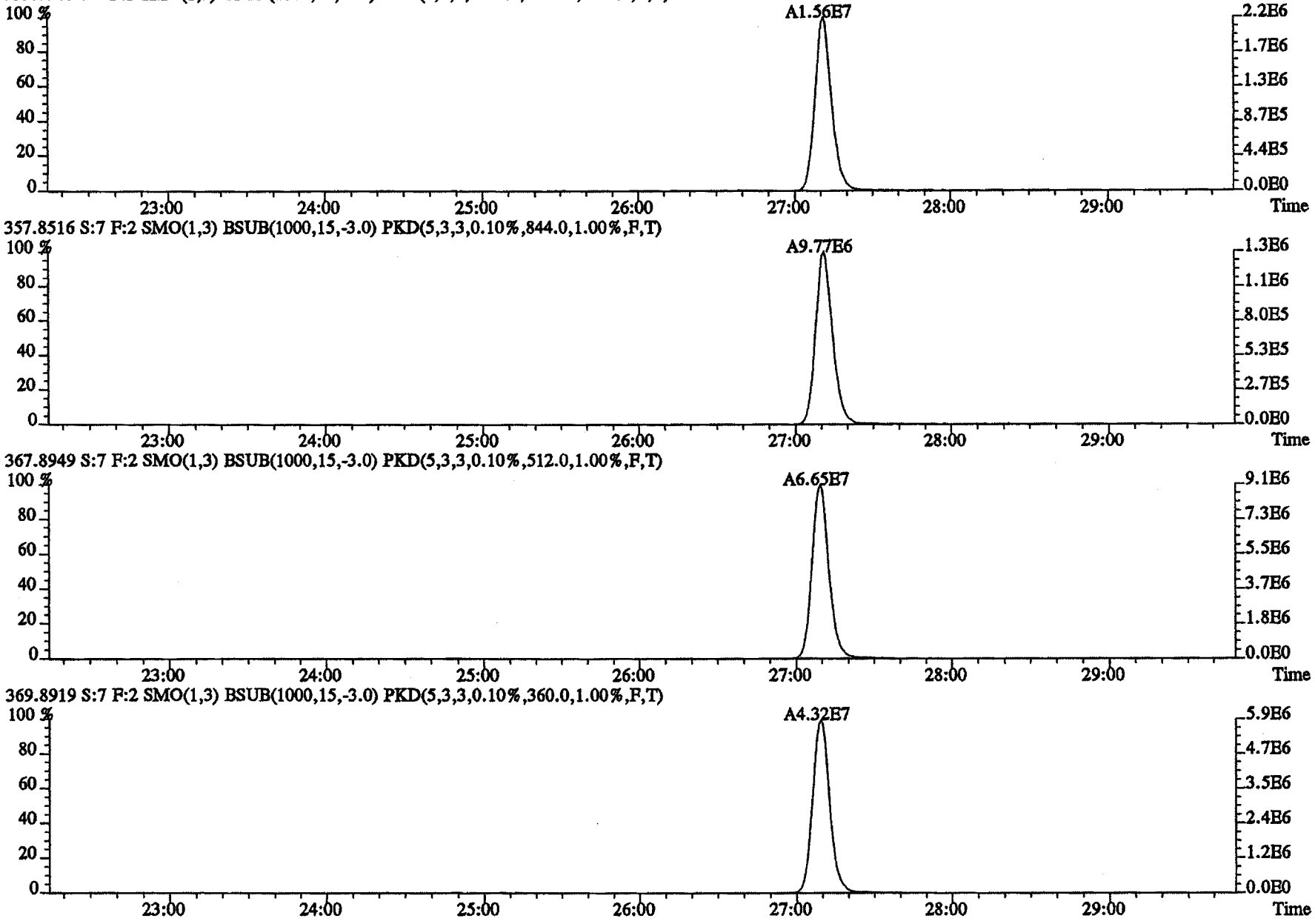


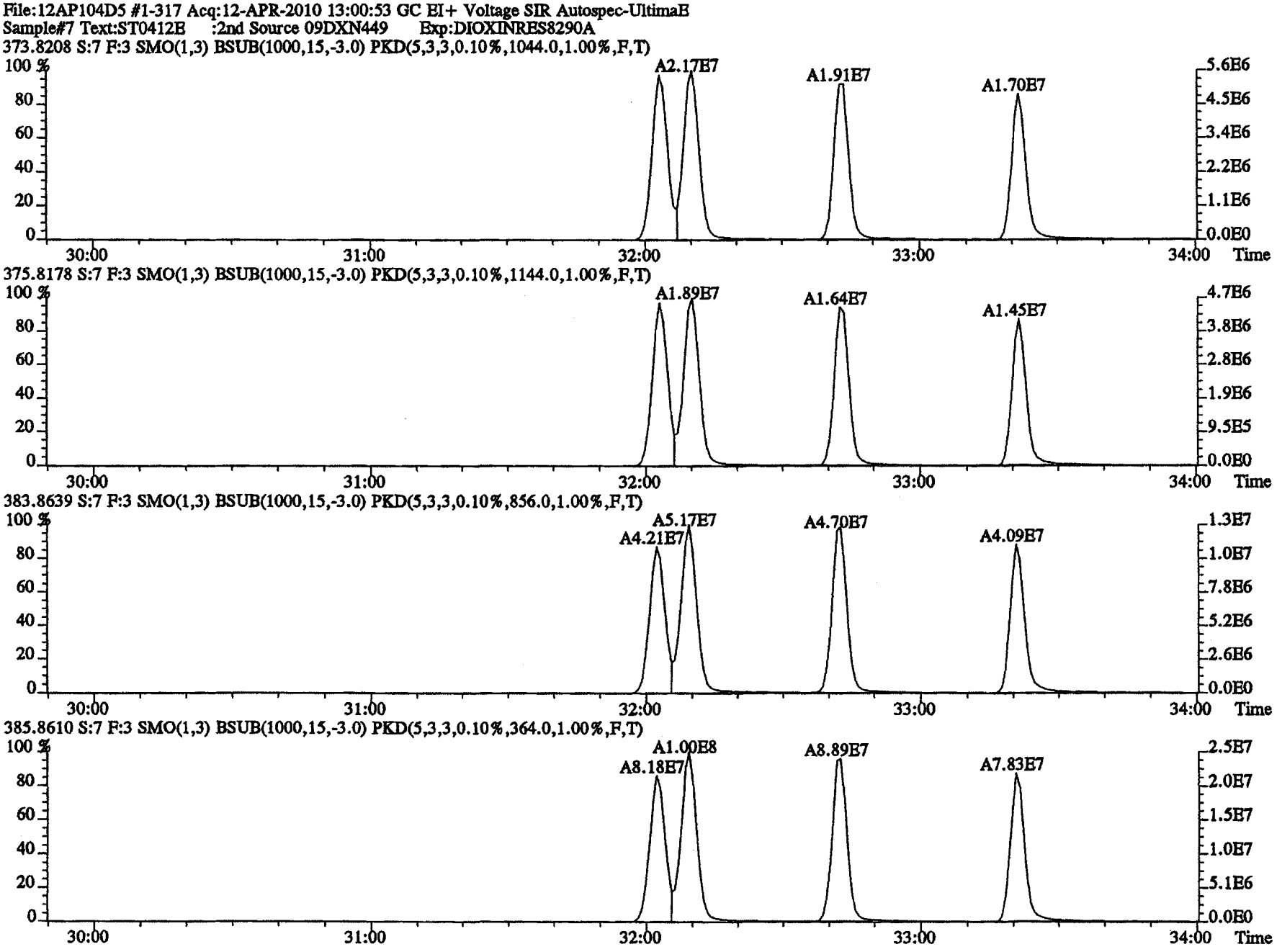
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2932.0,1.00%,F,T)



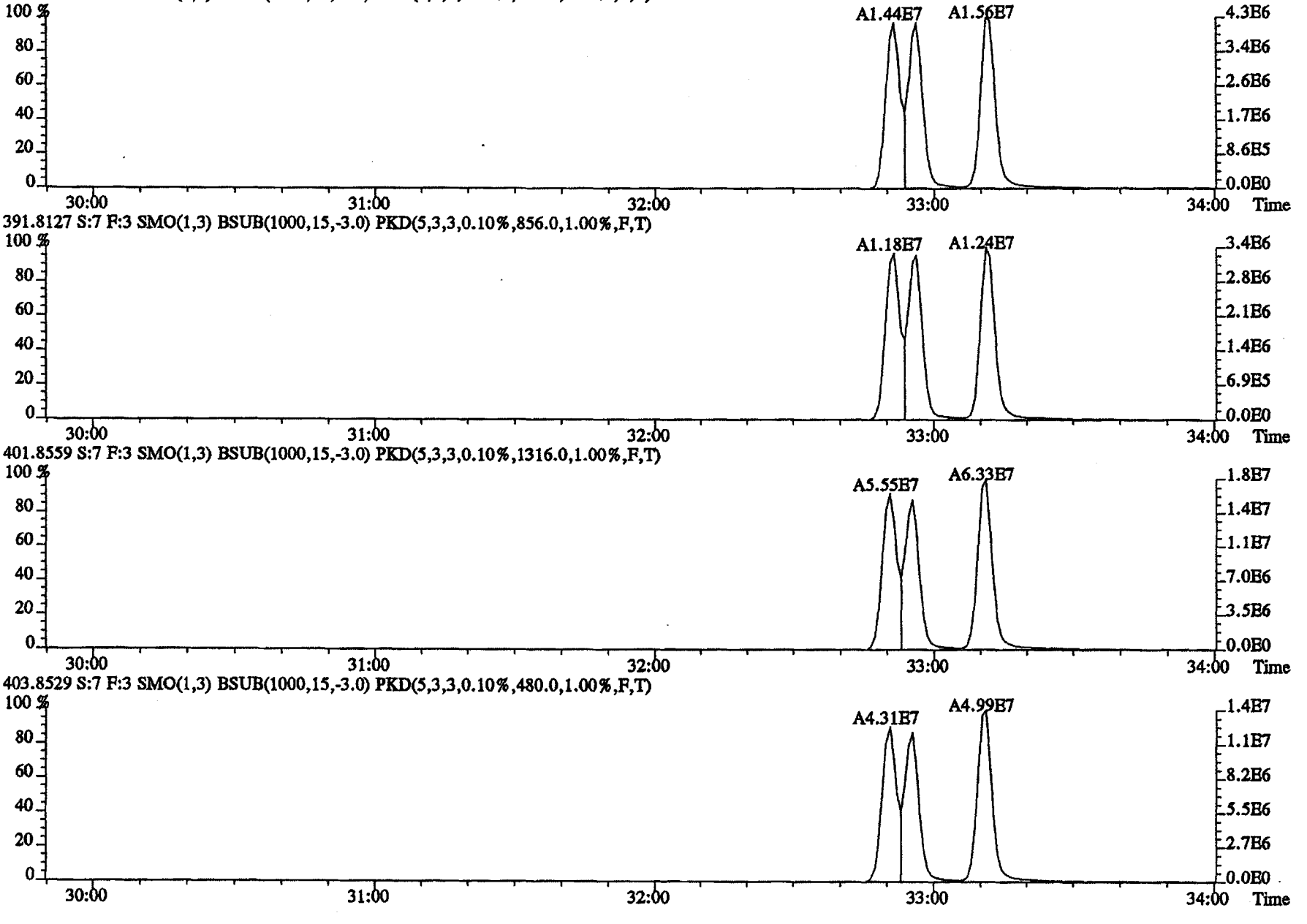

File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T)
A2.59E7
A2.36E7
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T)
A1.69E7
A1.57E7
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)
A1.02E8
A9.64E7
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)
A6.65E7
A6.34E7
100 %
80
60
40
20
0
23:00
24:00
25:00
26:00
27:00
28:00
29:00
Time
4.0E6
3.2E6
2.4E6
1.6E6
8.0E5
0.0E0
2.6E6
2.1E6
1.6E6
1.1E6
5.3E5
0.0E0
1.6E7
1.3E7
9.6E6
6.4E6
3.2E6
0.0E0
1.0E7
8.3E6
6.2E6
4.1E6
2.1E6
0.0E0

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

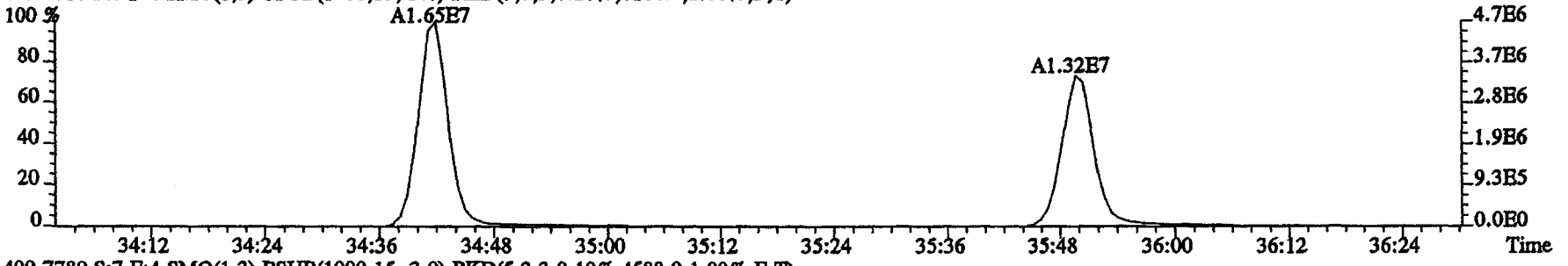



File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1044.0,1.00%,F,T)
A2.17E7
A1.91E7
A1.70E7
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144.0,1.00%,F,T)
A1.89E7
A1.64E7
A1.45E7
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)
A5.17E7
A4.21E7
A4.70E7
A4.09E7
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)
A1.00E8
A8.18E7
A8.89E7
A7.83E7
100 %
80
60
40
20
0
30:00
31:00
32:00
33:00
34:00
Time
5.6E6
4.5E6
3.4E6
2.2E6
1.1E6
0.0E0
4.7E6
3.8E6
2.8E6
1.9E6
9.5E5
1.3E7
1.0E7
7.8E6
5.2E6
2.6E6
2.5E7
2.0E7
1.5E7
1.0E7
5.1E6

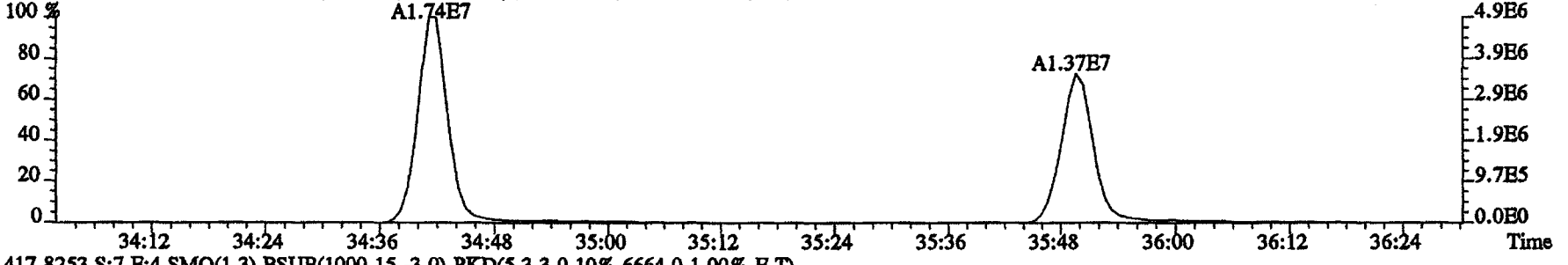
File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A



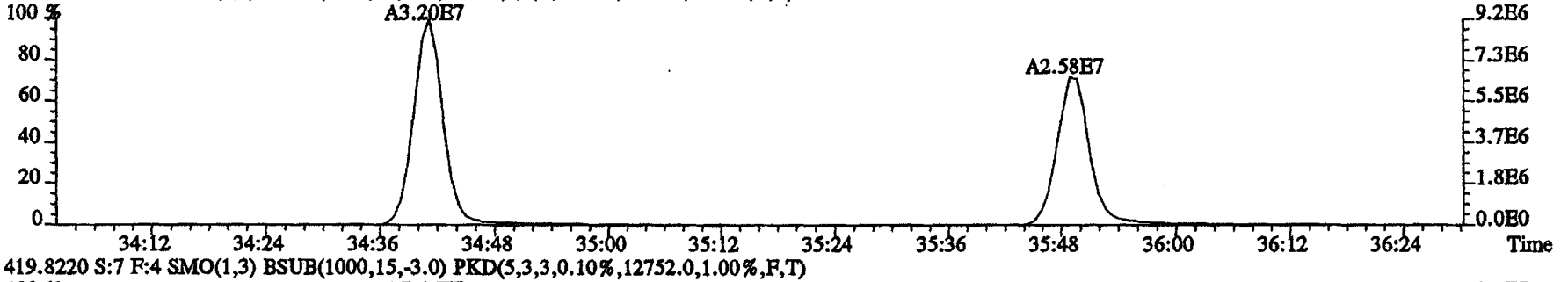
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6164.0,1.00%,F,T)



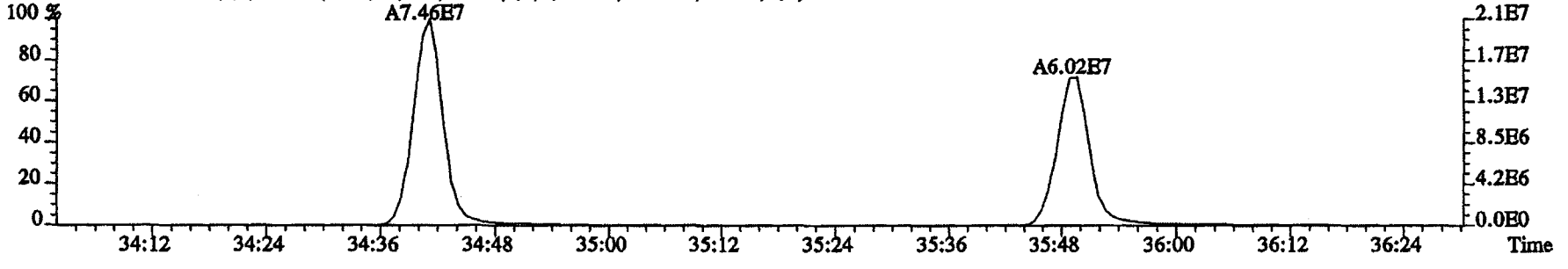
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4588.0,1.00%,F,T)



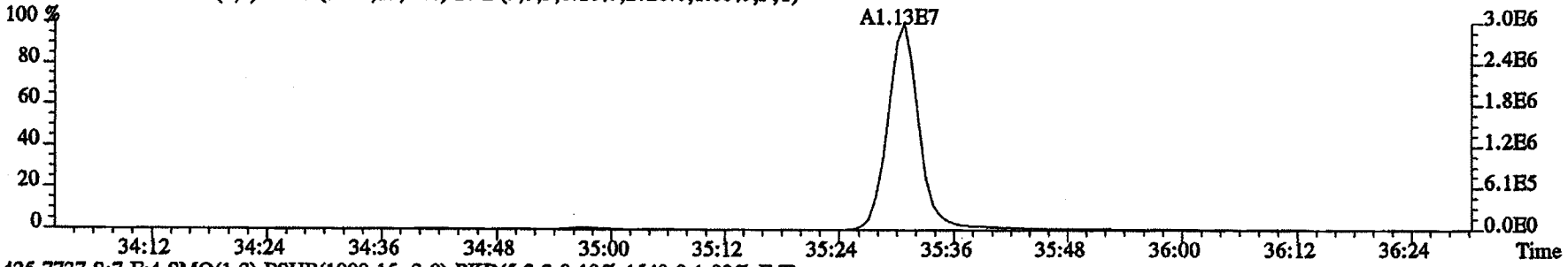
417.8253 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6664.0,1.00%,F,T)



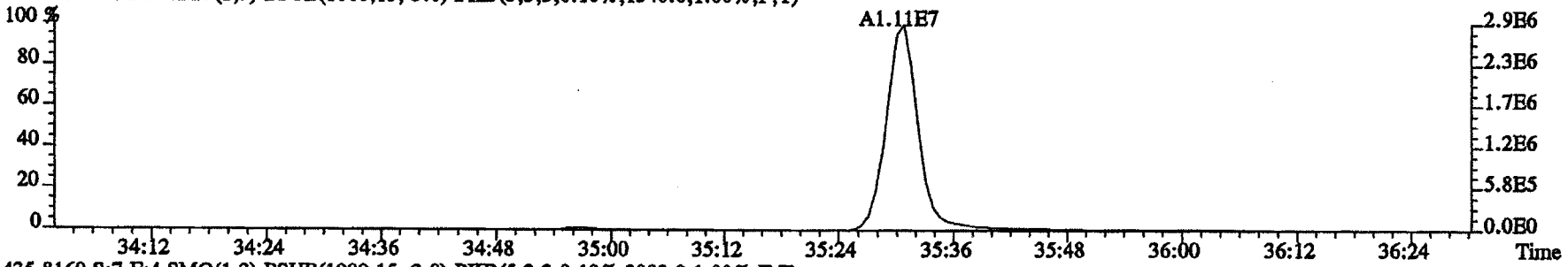
419.8220 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12752.0,1.00%,F,T)



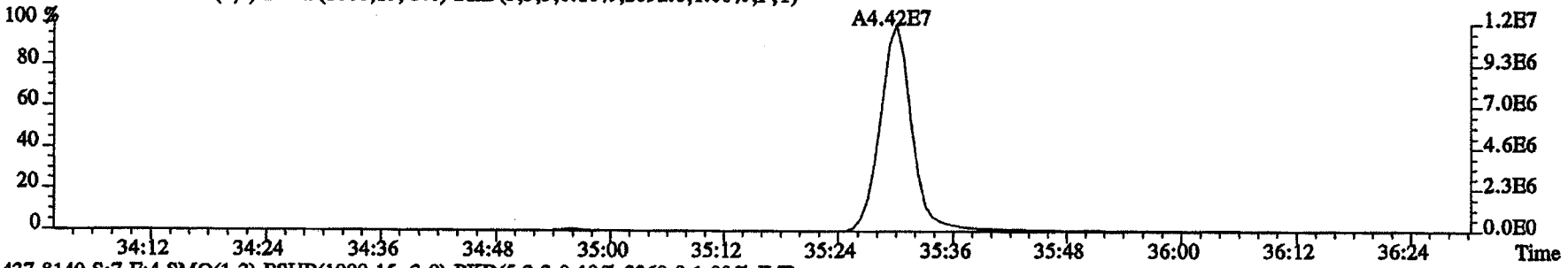
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2720.0,1.00%,F,T)



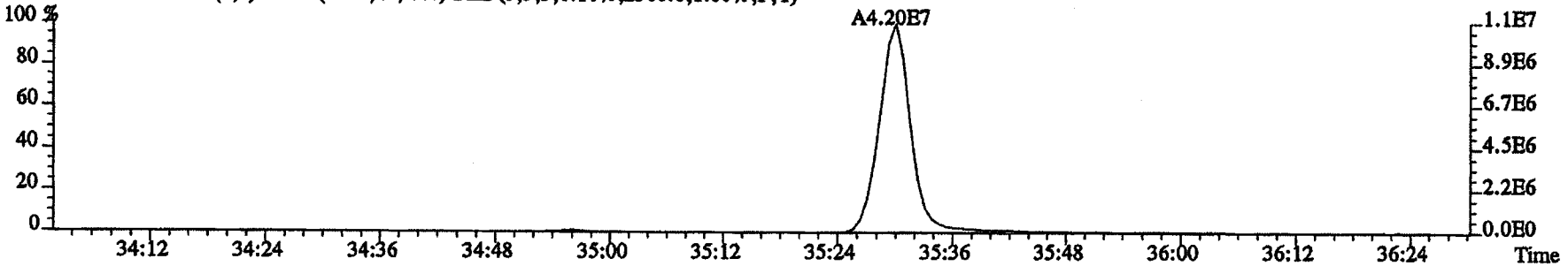
425.7737 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1540.0,1.00%,F,T)



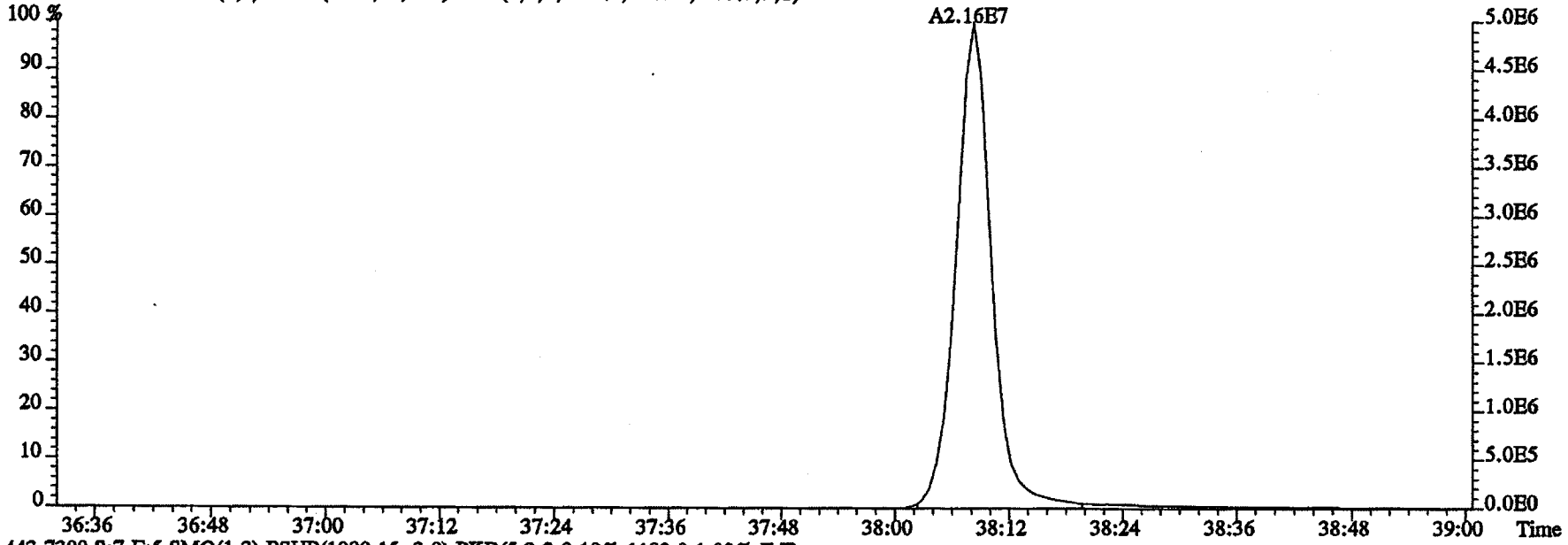
435.8169 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2092.0,1.00%,F,T)



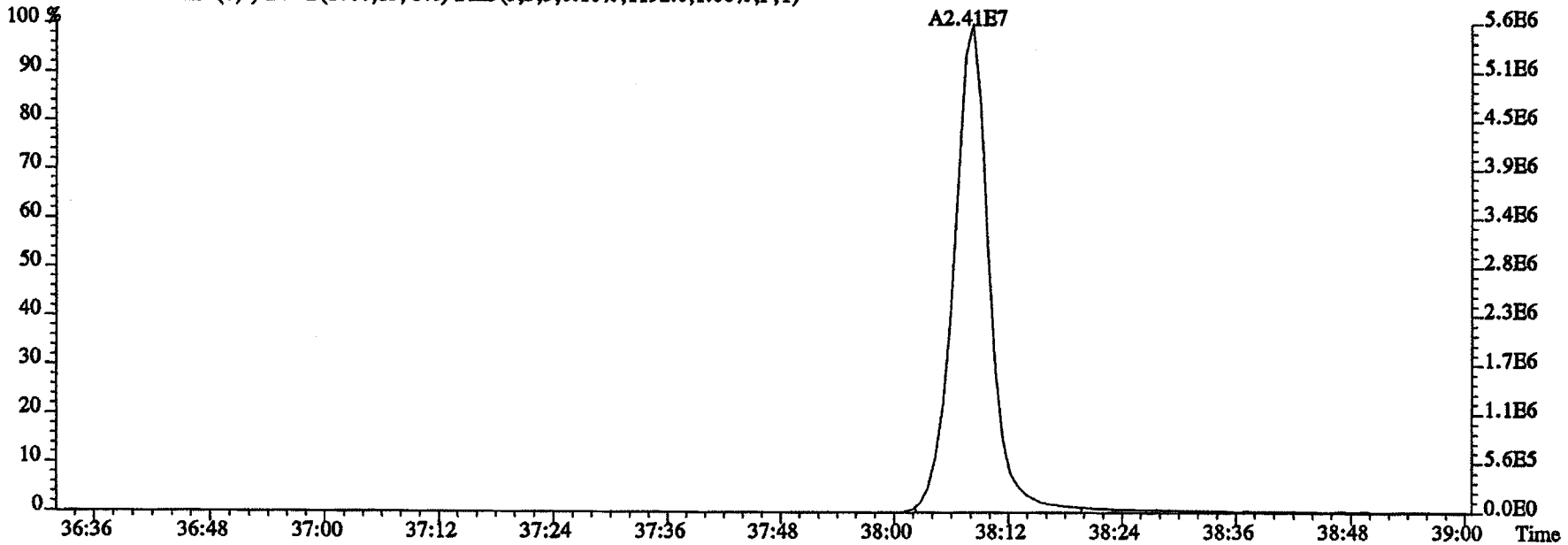
437.8140 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2360.0,1.00%,F,T)



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)

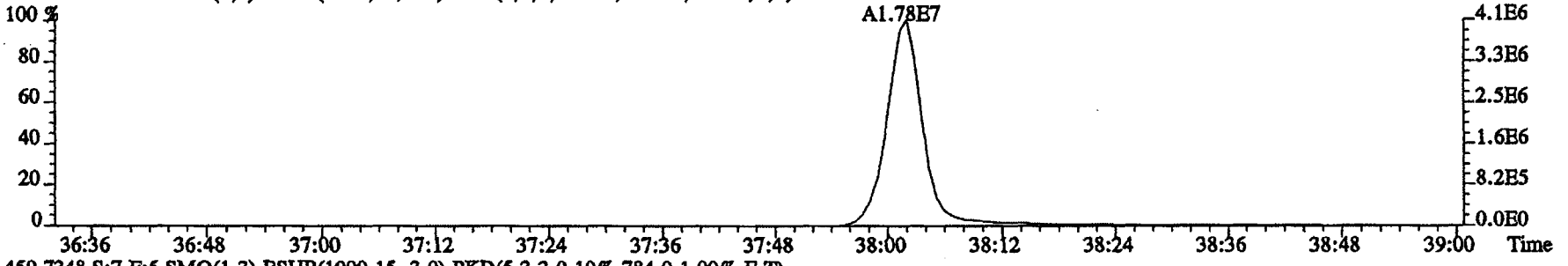


443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)

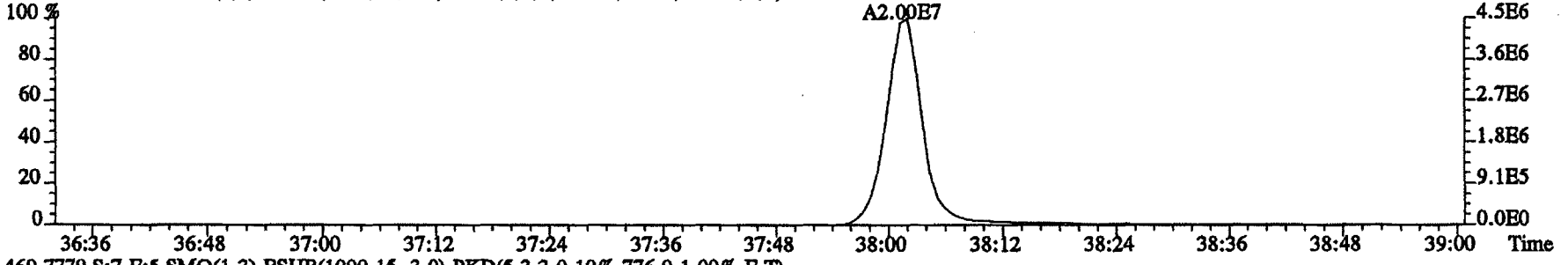


File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A

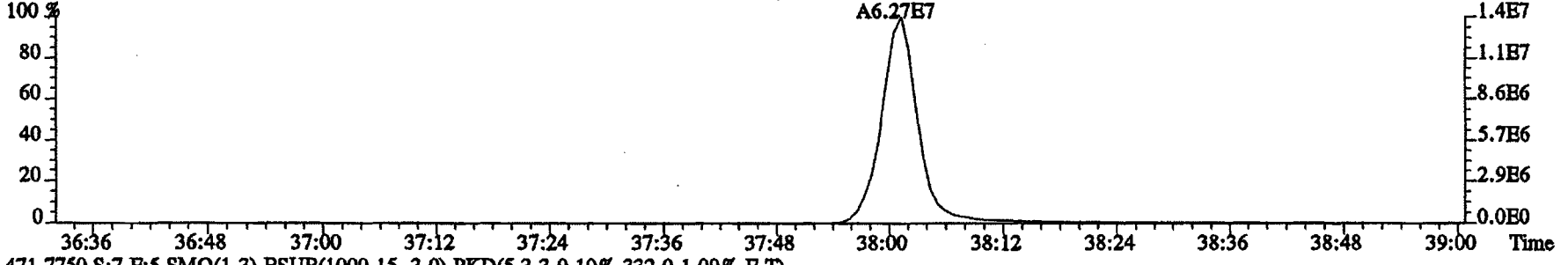
457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)



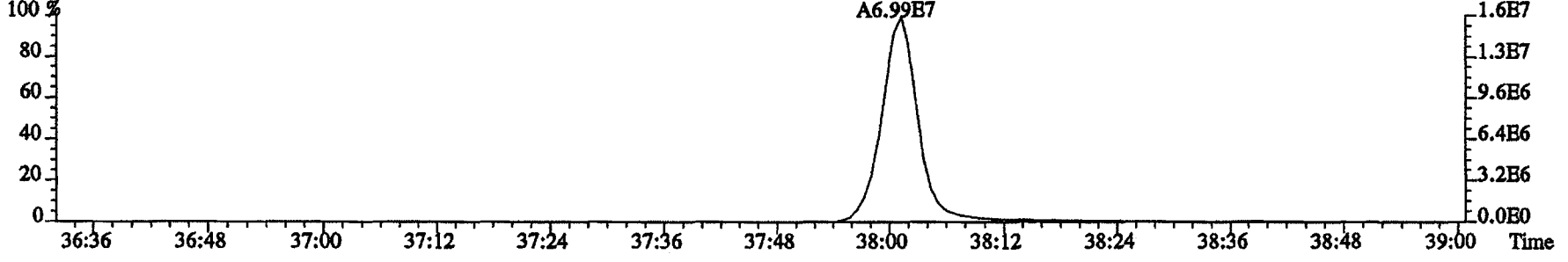
459.7348 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,784.0,1.00%,F,T)

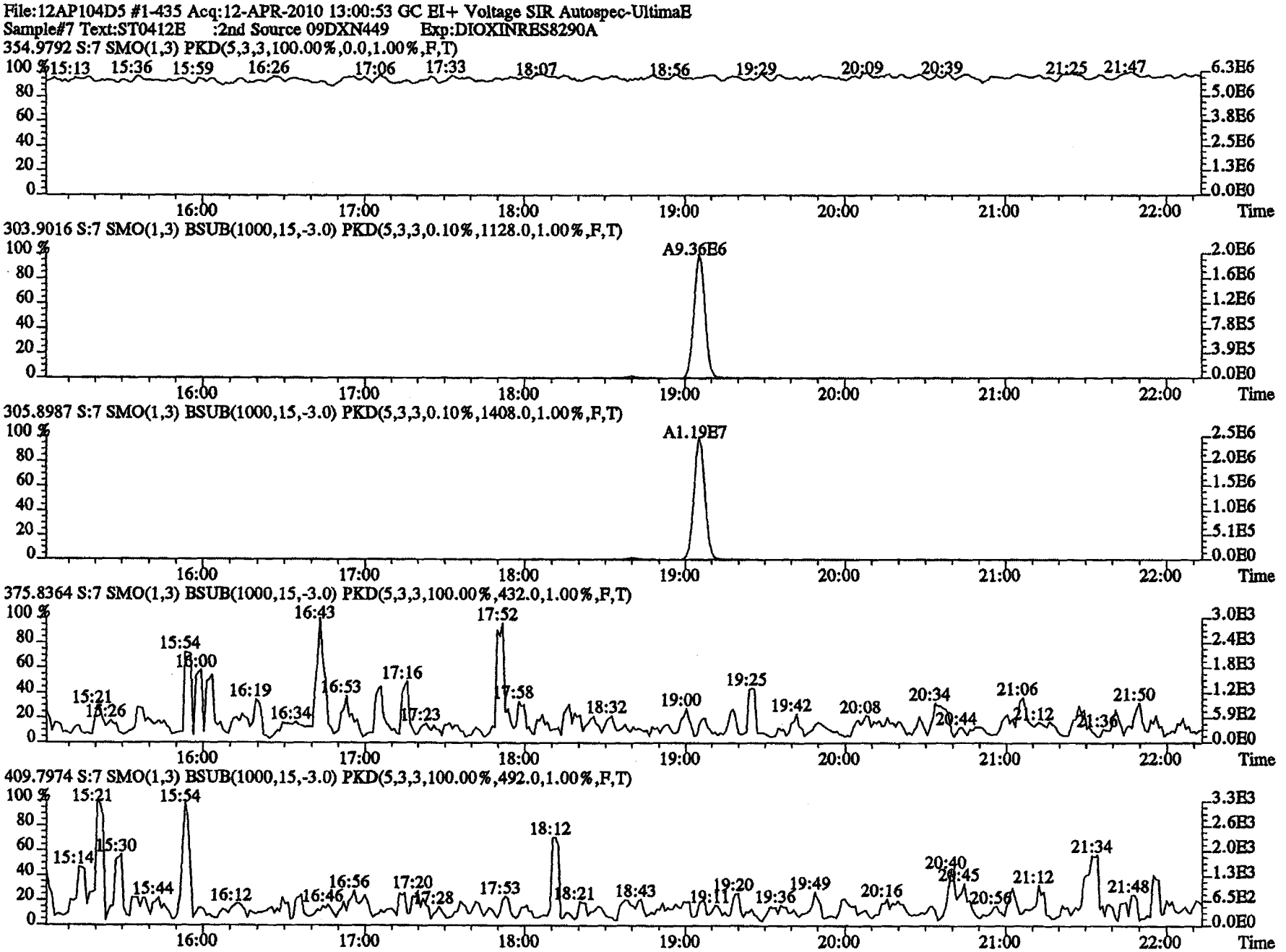


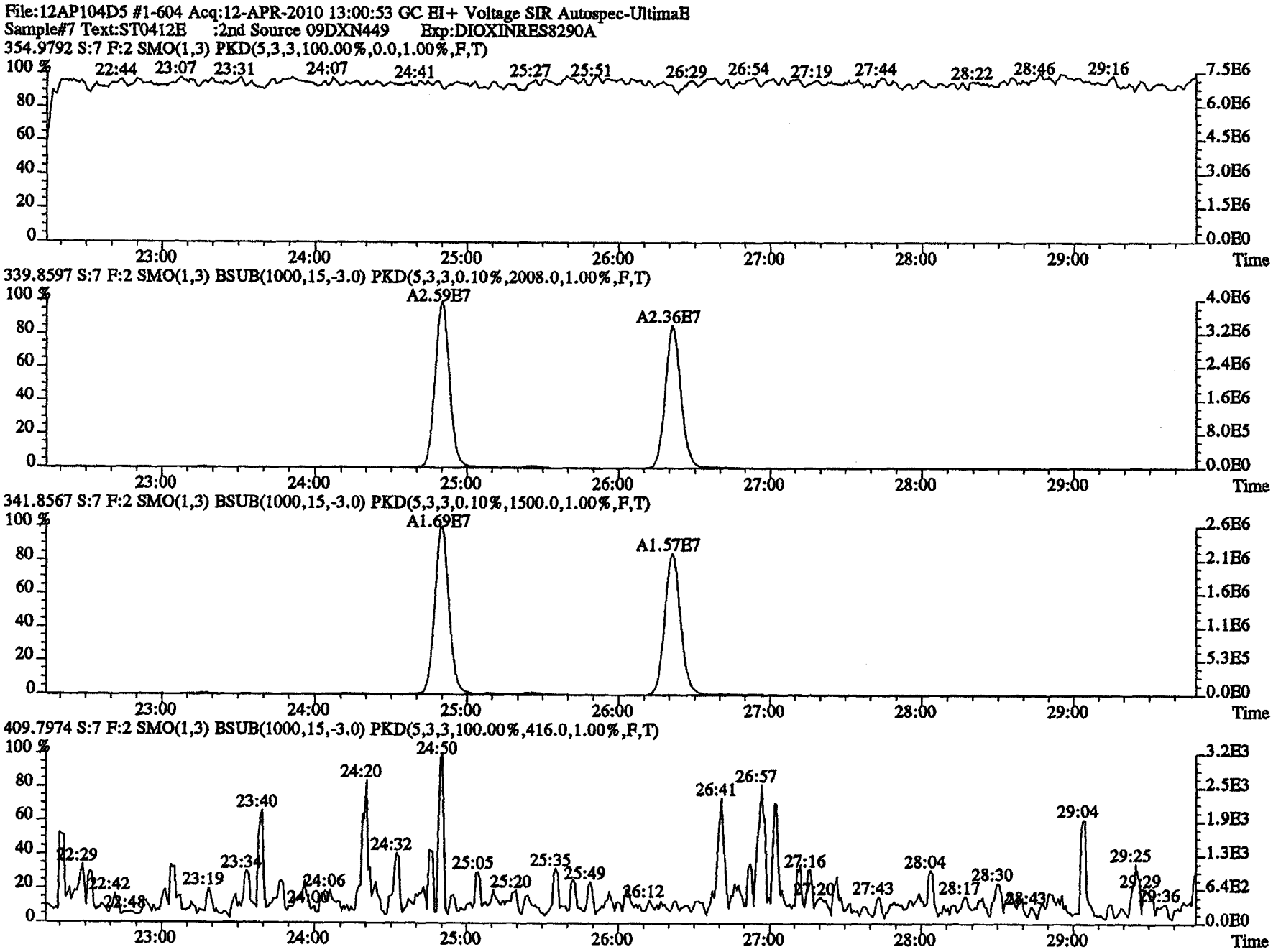
469.7779 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,776.0,1.00%,F,T)



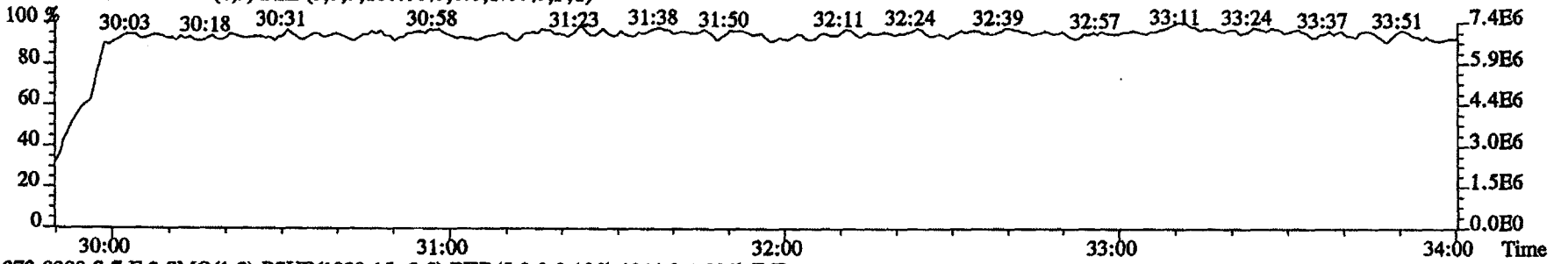
471.7750 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,332.0,1.00%,F,T)



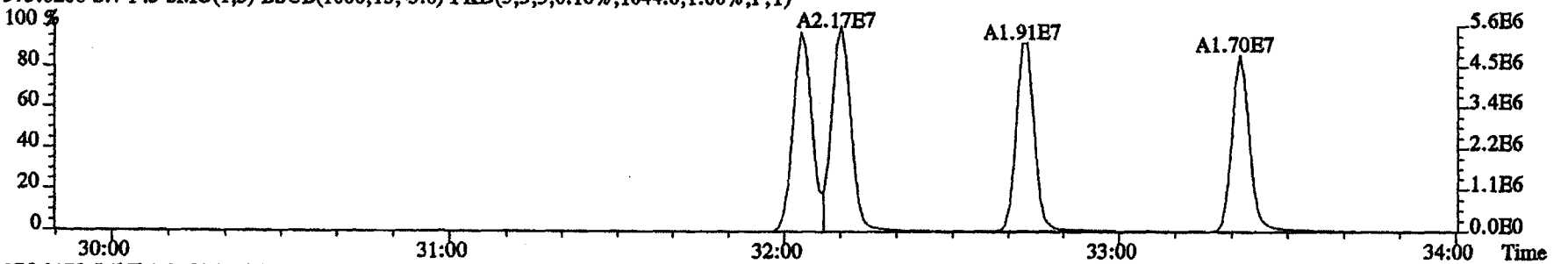

File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
354.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)
A9.36E6
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)
A1.19E7
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)
Time


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
354.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
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)
A2.59E7
A2.36E7
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)
A1.69E7
A1.57E7
409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,416.0,1.00%,F,T)
Time

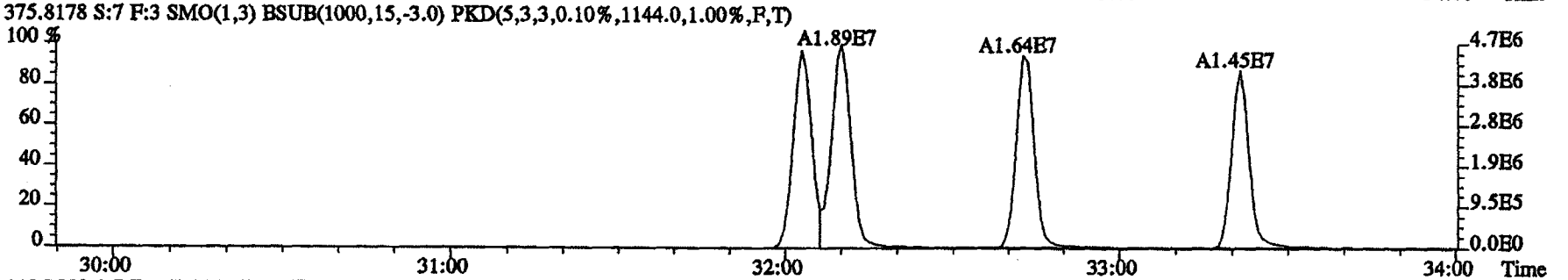
File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
430.9728 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



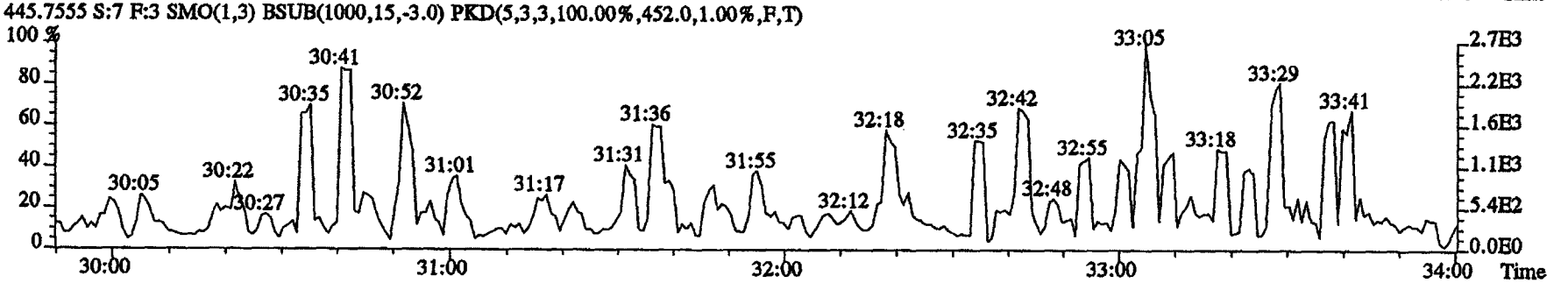
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1044.0,1.00%,F,T)

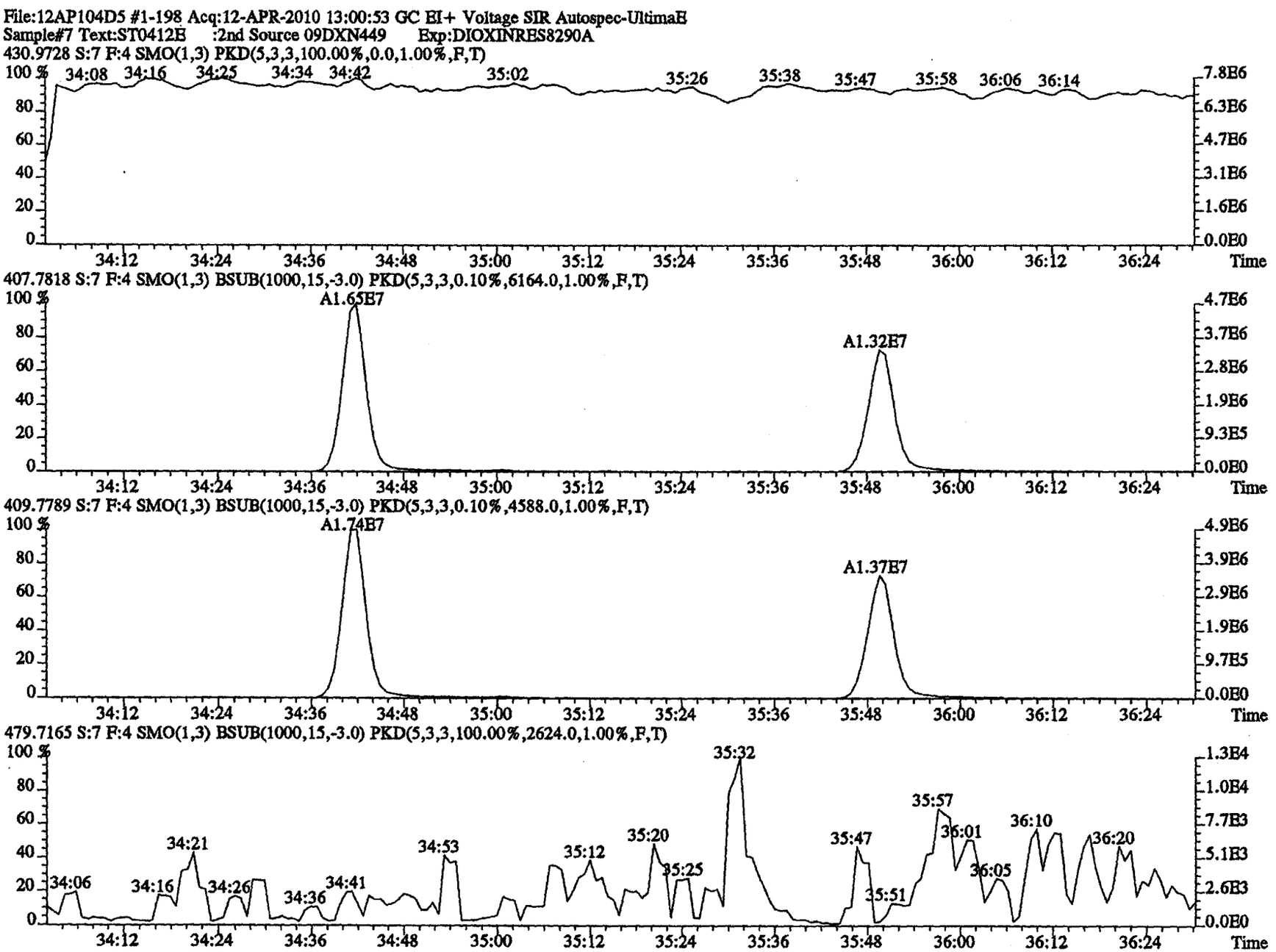


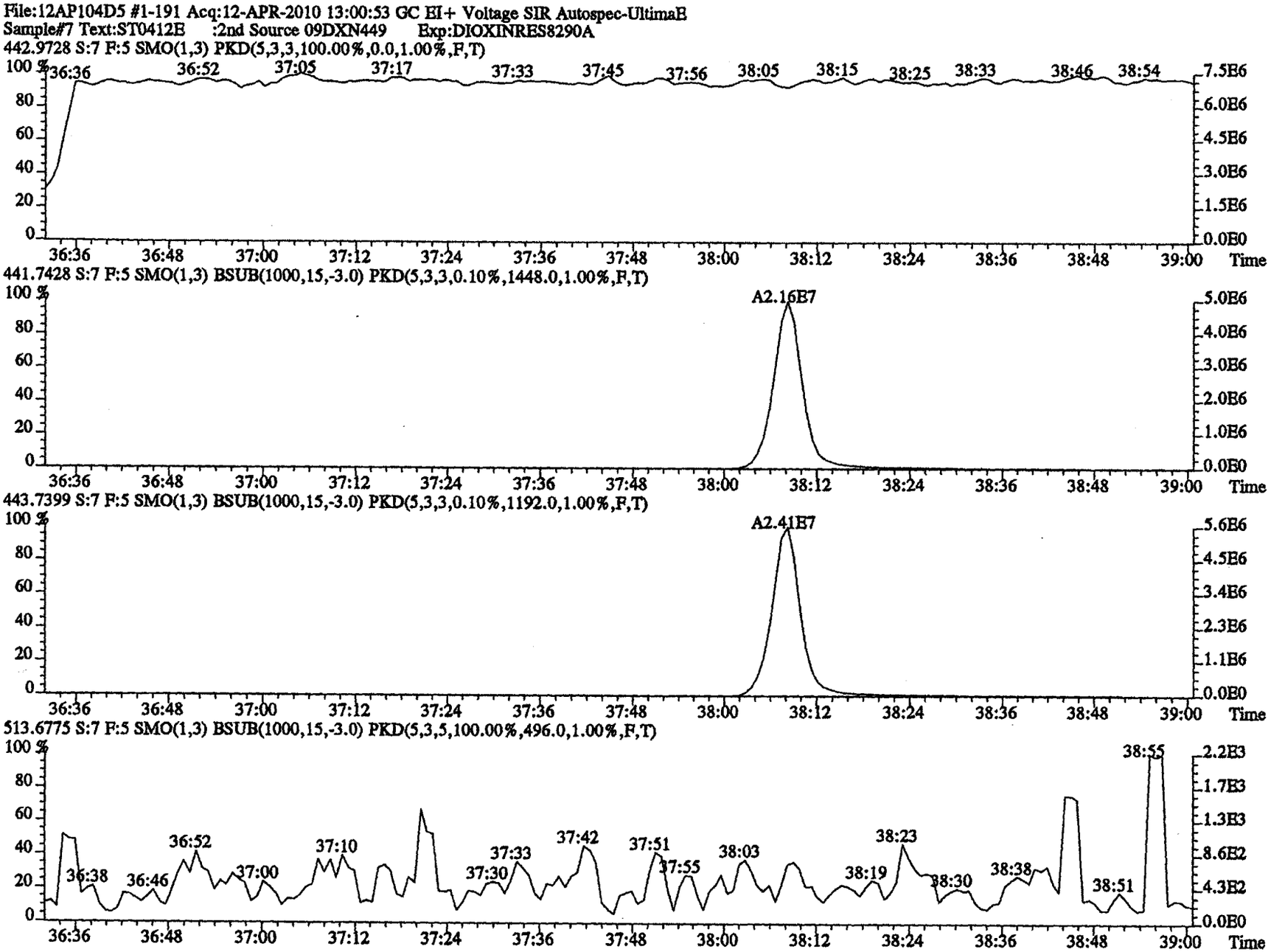
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144.0,1.00%,F,T)



445.7555 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,452.0,1.00%,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
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)
A1.65E7
A1.32E7
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)
A1.74E7
A1.37E7
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)
Time


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
442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
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)
A2.16E7
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)
A2.41E7
513.6775 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,496.0,1.00%,F,T)
Time

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Initial Calibration Checklist
Dioxin Methods

ICAL ID ICA030420103D51613OCDD25

Method ID 1613B Date Scanned _____

Column ID DB5 Instrument ID 3D5

STD ID's ST0304,(A, B , C, D,) STD Solution 10DXN049, 09DXN422(23,26,56)

GC Program OCDD25 Multiplier Setting 350

Analyzed By JRB Date Analyzed 03/04/10

Prepared By JRB Date Prepared 3/4/10

Reviewed By M.G. Date Reviewed 3/5/10

ANALYSIS CRITERIA	INITIAL	CONTINUING
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 13C-1,2,3,4-TCDD RT = 26.21 min 13C-1,2,3,7,8,9-HxCDD RT = 41.66 min

*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

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

Last Altered: Thursday, March 04, 2010 15:31:45 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:30:49 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D51613OCDD25.cdb 04 Mar 2010 15:31:45

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.29217	0.15223	11.78067
4	2,3,7,8-TCDF	0.98315	0.04581	4.65926
5	Total TCDFs	0.98315	0.04581	4.65926
6				
7	13C-2,3,7,8-TCDD	0.89708	0.08170	9.10684
8	2,3,7,8-TCDD	1.05105	0.07819	7.43940
9	Total TCDDs	1.05105	0.07819	7.43940
10				
11	37CL-2,3,7,8-TCDD	1.06704	0.11260	10.55250
12				
13	13C-1,2,3,7,8-PeCDF	1.01112	0.14885	14.72150
14	1,2,3,7,8-PeCDF	1.01766	0.05712	5.61277
15	13C-2,3,4,7,8-PeCDF	1.02094	0.14732	14.42942
16	2,3,4,7,8-PeCDF	1.00462	0.04863	4.84097
17	Total F2 PeCDFs	1.01114	0.05233	5.17523
18	Total F1 PeCDFs	1.01114	0.05233	5.17523
19				
20	13C-1,2,3,7,8-PeCDD	0.66822	0.10736	16.06722
21	1,2,3,7,8-PeCDD	0.99572	0.04304	4.32214
22	Total PeCDDs	0.99572	0.04304	4.32213
23				
24	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
25				
26	13C-1,2,3,4,7,8-HxCDF	0.88010	0.05993	6.80915
27	1,2,3,4,7,8-HxCDF	1.24155	0.08733	7.03397
28	13C-1,2,3,6,7,8-HxCDF	1.13211	0.09608	8.48690
29	1,2,3,6,7,8-HxCDF	1.11104	0.06445	5.80050
30	13C-2,3,4,6,7,8-HxCDF	0.96438	0.06848	7.10096
31	2,3,4,6,7,8-HxCDF	1.17524	0.04980	4.23713
32	13C-1,2,3,7,8,9-HxCDF	0.95255	0.03501	3.67575
33	1,2,3,7,8,9-HxCDF	1.11666	0.03862	3.45868
34	Total HxCDFs	1.16112	0.05873	5.05840
35				
36	13C-1,2,3,4,7,8-HxCDD	0.69838	0.06174	8.84065
37	1,2,3,4,7,8-HxCDD	1.01448	0.04992	4.92037
38	13C-1,2,3,6,7,8-HxCDD	0.80378	0.06589	8.19784
39	1,2,3,6,7,8-HxCDD	1.08449	0.06107	5.63094
40	1,2,3,7,8,9-HxCDD	1.26529	0.19340	15.28529
41	Total HxCDDs	1.12142	0.10088	8.99558
42				
43	13C-1,2,3,4,6,7,8-HpCDF	0.79392	0.03768	4.74609
44	1,2,3,4,6,7,8-HpCDF	1.38128	0.07667	5.55037
45	13C-1,2,3,4,7,8,9-HpCDF	0.66246	0.05161	7.79074
46	1,2,3,4,7,8,9-HpCDF	1.33165	0.10871	8.16333
47	Total HpCDFs	1.35646	0.08900	6.56109

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

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#	Name	RRF Mean	RRF SD	RRF %Rel SD
48				
49	13C-1,2,3,4,6,7,8-HpCDD	0.67468	0.03094	4.58532
50	1,2,3,4,6,7,8-HpCDD	1.03289	0.04728	4.57770
51	Total HpCDDs	1.03289	0.04728	4.57770
52				
53	13C-OCDD	0.49279	0.04859	9.85995
54	OCDF	1.42582	0.12745	8.93881
55	OCDD	1.15547	0.07554	6.53715
56				
57				
58	Function 1 PFK			
59	Function 3 PFK			
60	Function 2 PFK			
61	Function 4 PFK			
62	Function 5 PFK			
63	TCDF PCDPE			
64	F1 PeCDF PCDPE			
65	F2 PeCDF PCDPE			
66	HXCDF PCDPE			
67	HPCDF PCDPE			
68	OCDF PCDPE			

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

Last Altered: Thursday, March 04, 2010 15:31:45 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:31:06 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D51613OCDD25.cdb 04 Mar 2010 15:31:45

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.23	3040918	1.00000		0.768	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.59	3796912	1.24861		0.797	NO
4	2,3,7,8-TCDF	303.9016	25.60	18713	0.98567		0.721	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.45	2674113	0.87938		0.754	NO
8	2,3,7,8-TCDD	319.8965	26.48	12770	0.95510		0.679	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.48	14799	0.97333			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.49	2906060	0.95565		1.572	NO
14	1,2,3,7,8-PeCDF	339.8597	31.52	67918	0.93485		1.544	NO
15	13C-2,3,4,7,8-PeCDF	351.9000	33.05	3013837	0.99109		1.584	NO
16	2,3,4,7,8-PeCDF	339.8597	33.08	71354	0.94702		1.643	NO
17	Total F2 PeCDFs	339.8597						
18	Total F1 PeCDFs	339.8597						
19								
20	13C-1,2,3,7,8-PeCDD	367.8949	33.91	1903792	0.62606		1.585	NO
21	1,2,3,7,8-PeCDD	355.8546	33.94	45107	0.94773		1.573	NO
22	Total PeCDDs	355.8546						
23								
24	13C-1,2,3,7,8,9-HxCDD	401.8559	41.67	2154955	1.00000		1.327	NO
25								
26	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	2017490	0.93621		0.516	NO
27	1,2,3,4,7,8-HxCDF	373.8208	40.23	56426	1.11873		1.273	NO
28	13C-1,2,3,6,7,8-HxCDF	383.8639	40.37	2635647	1.22306		0.489	NO
29	1,2,3,6,7,8-HxCDF	373.8208	40.38	66901	1.01533		1.257	NO
30	13C-2,3,4,6,7,8-HxCDF	383.8639	41.08	2207702	1.02448		0.513	NO
31	2,3,4,6,7,8-HxCDF	373.8208	41.11	61755	1.11890		1.221	NO
32	13C-1,2,3,7,8,9-HxCDF	383.8639	41.85	1995815	0.92615		0.567	NO
33	1,2,3,7,8,9-HxCDF	373.8208	41.86	52938	1.06099		1.279	NO
34	Total HxCDFs	373.8208						
35								
36	13C-1,2,3,4,7,8-HxCDD	401.8559	41.27	1547684	0.71820		1.291	NO
37	1,2,3,4,7,8-HxCDD	389.8157	41.28	37015	0.95667		1.193	NO
38	13C-1,2,3,6,7,8-HxCDD	401.8559	41.37	1871453	0.86844		1.267	NO
39	1,2,3,6,7,8-HxCDD	389.8157	41.38	47051	1.00565		1.284	NO
40	1,2,3,7,8,9-HxCDD	389.8157	41.69	42915	1.00412		1.084	NO
41	Total HxCDDs	389.8157						
42								
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.30	1792725	0.83191		0.434	NO
44	1,2,3,4,6,7,8-HpCDF	407.7818	43.31	56569	1.26218		1.048	NO
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	44.48	1492231	0.69247		0.448	NO
46	1,2,3,4,7,8,9-HpCDF	407.7818	44.49	44951	1.20493		1.056	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

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Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
47	Total HpCDFs	407.7818						
48								
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.17	1470497	0.68238		1.074	NO
50	1,2,3,4,6,7,8-HpCDD	423.7766	44.18	35892	0.97633		1.058	NO
51	Total HpCDDs	423.7766						
52								
53	13C-OCDD	469.7779	46.75	2142968	0.49722		0.926	NO
54	OCDF	441.7428	46.86	66237	1.23636		0.957	NO
55	OCDD	457.7377	46.76	55972	1.04476		0.909	NO
56								
57								
58	Function 1 PFK	330.97...						
59	Function 3 PFK	380.97...						
60	Function 2 PFK	342.97...						
61	Function 4 PFK	430.97...						
62	Function 5 PFK	442.97...						
63	TCDF PCDPE	375.8364						
64	F1 PeCDF PCDPE	409.79...						
65	F2 PeCDF PCDPE	409.7974						
66	HXCDF PCDPE	445.7555						
67	HPCDF PCDPE	479.7165						
68	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

Last Altered: Thursday, March 04, 2010 15:31:45 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:31:06 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.19	2736176	1.00000		0.784	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3226945	1.17936		0.791	NO
4	2,3,7,8-TCDF	303.9016	25.59	58333	0.90384		0.797	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.44	2268388	0.82904		0.801	NO
8	2,3,7,8-TCDD	319.8965	26.47	44311	0.97671		0.769	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.45	53661	0.98058			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.48	2424787	0.88620		1.633	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	237805	0.98073		1.602	NO
15	13C-2,3,4,7,8-PeCDF	351.9000	33.04	2442271	0.89259		1.607	NO
16	2,3,4,7,8-PeCDF	339.8597	33.06	234019	0.95820		1.604	NO
17	Total F2 PeCDFs	339.8597						
18	Total F1 PeCDFs	339.8597						
19								
20	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1536969	0.56172		1.599	NO
21	1,2,3,7,8-PeCDD	355.8546	33.91	146360	0.95226		1.635	NO
22	Total PeCDDs	355.8546						
23								
24	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	1697339	1.00000	04-Mar-10	1.265	NO
25								
26	13C-1,2,3,4,7,8-HxCDF	383.8639	40.19	1557017	0.91733		0.504	NO
27	1,2,3,4,7,8-HxCDF	373.8208	40.21	184379	1.18418		1.242	NO
28	13C-1,2,3,6,7,8-HxCDF	383.8639	40.35	2041605	1.20283		0.532	NO
29	1,2,3,6,7,8-HxCDF	373.8208	40.37	219369	1.07449		1.287	NO
30	13C-2,3,4,6,7,8-HxCDF	383.8639	41.07	1710688	1.00786		0.504	NO
31	2,3,4,6,7,8-HxCDF	373.8208	41.08	193023	1.12833		1.271	NO
32	13C-1,2,3,7,8,9-HxCDF	383.8639	41.83	1562017	0.92027		0.506	NO
33	1,2,3,7,8,9-HxCDF	373.8208	41.85	171504	1.09797		1.264	NO
34	Total HxCDFs	373.8208						
35								
36	13C-1,2,3,4,7,8-HxCDD	401.8559	41.25	1228162	0.72358		1.284	NO
37	1,2,3,4,7,8-HxCDD	389.8157	41.27	118901	0.96812		1.235	NO
38	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1427722	0.84115		1.364	NO
39	1,2,3,6,7,8-HxCDD	389.8157	41.37	149149	1.04466		1.274	NO
40	1,2,3,7,8,9-HxCDD	389.8157	41.67	154517	1.16358		1.319	NO
41	Total HxCDDs	389.8157						
42								
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.29	1375556	0.81042		0.446	NO
44	1,2,3,4,6,7,8-HpCDF	407.7818	43.30	188915	1.37337		1.054	NO
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	44.47	1129376	0.66538		0.455	NO
46	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	140104	1.24054		0.951	NO
47	Total HpCDFs	407.7818						
48								
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1142493	0.67311		1.055	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

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Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
50	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	113091	0.98986		1.039	NO
51	Total HpCDDs	423.7766						
52								
53	13C-OCDD	469.7779	46.74	1597528	0.47060		0.926	NO
54	OCDF	441.7428	46.84	215871	1.35128		0.935	NO
55	OCDD	457.7377	46.75	179019	1.12060		0.864	NO
56								
57								
58	Function 1 PFK	330.97...						
59	Function 3 PFK	380.97...						
60	Function 2 PFK	342.97...						
61	Function 4 PFK	430.97...						
62	Function 5 PFK	442.97...						
63	TCDF PCDPE	375.8364						
64	F1 PeCDF PCDPE	409.79...						
65	F2 PeCDF PCDPE	409.7974						
66	HXCDF PCDPE	445.7555						
67	HPCDF PCDPE	479.7165						
68	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.20	2736176	1.00000		0.784	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3226945	1.17936		0.791	NO
4	2,3,7,8-TCDF	303.9016	25.59	58333	0.90384		0.797	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.44	2268388	0.82904		0.801	NO
8	2,3,7,8-TCDD	319.8965	26.47	44311	0.97671		0.769	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.45	53661	0.98058			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.48	2424787	0.88620		1.633	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	237805	0.98073		1.602	NO
15	13C-2,3,4,7,8-PeCDF	351.9000	33.04	2442271	0.89259		1.607	NO
16	2,3,4,7,8-PeCDF	339.8597	33.06	234019	0.95820		1.604	NO
17	Total F2 PeCDFs	339.8597						
18	Total F1 PeCDFs	339.8597						
19								
20	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1536969	0.56172		1.599	NO
21	1,2,3,7,8-PeCDD	355.8546	33.91	146360	0.95226		1.635	NO
22	Total PeCDDs	355.8546						
23								
24	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	1824371	1.00000		1.435	YES
25								
26	13C-1,2,3,4,7,8-HxCDF	383.8639	40.19	1557017	0.85345		0.504	NO
27	1,2,3,4,7,8-HxCDF	373.8208	40.21	184379	1.18418		1.242	NO
28	13C-1,2,3,6,7,8-HxCDF	383.8639	40.35	2041605	1.11907		0.532	NO
29	1,2,3,6,7,8-HxCDF	373.8208	40.37	219369	1.07449		1.287	NO
30	13C-2,3,4,6,7,8-HxCDF	383.8639	41.07	1710688	0.93769		0.504	NO
31	2,3,4,6,7,8-HxCDF	373.8208	41.08	193023	1.12833		1.271	NO
32	13C-1,2,3,7,8,9-HxCDF	383.8639	41.83	1562017	0.85619		0.506	NO
33	1,2,3,7,8,9-HxCDF	373.8208	41.85	171504	1.09797		1.264	NO
34	Total HxCDFs	373.8208						
35								
36	13C-1,2,3,4,7,8-HxCDD	401.8559	41.25	1228162	0.67320		1.284	NO
37	1,2,3,4,7,8-HxCDD	389.8157	41.27	118901	0.96812		1.235	NO
38	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1427722	0.78258		1.364	NO
39	1,2,3,6,7,8-HxCDD	389.8157	41.37	149149	1.04466		1.274	NO
40	1,2,3,7,8,9-HxCDD	389.8157	41.67	154517	1.16358		1.319	NO
41	Total HxCDDs	389.8157						
42								
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.29	1375556	0.75399		0.446	NO
44	1,2,3,4,6,7,8-HpCDF	407.7818	43.30	188915	1.37337		1.054	NO
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	44.47	1129376	0.61905		0.455	NO
46	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	140104	1.24054		0.951	NO
47	Total HpCDFs	407.7818						
48								
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1142493	0.62624		1.055	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

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Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
50	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	113091	0.98986		1.039	NO
51	Total HpCDDs	423.7766						
52								
53	13C-OCDD	469.7779	46.74	1597528	0.43783		0.926	NO
54	OCDF	441.7428	46.84	215871	1.35128		0.935	NO
55	OCDD	457.7377	46.75	179019	1.12060		0.864	NO
56								
57								
58	Function 1 PFK	330.97...						
59	Function 3 PFK	380.97...						
60	Function 2 PFK	342.97...						
61	Function 4 PFK	430.97...						
62	Function 5 PFK	442.97...						
63	TCDF PCDPE	375.8364						
64	F1 PeCDF PCDPE	409.79...						
65	F2 PeCDF PCDPE	409.7974						
66	HXCDF PCDPE	445.7555						
67	HPCDF PCDPE	479.7165						
68	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

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Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.21	2618099	1.00000		0.770	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3447719	1.31688		0.790	NO
4	2,3,7,8-TCDF	303.9016	25.59	351020	1.01812		0.777	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.44	2389723	0.91277		0.793	NO
8	2,3,7,8-TCDD	319.8965	26.47	266035	1.11325		0.793	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.47	288862	1.10333			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.49	2673242	1.02106		1.590	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	1420755	1.06295		1.567	NO
15	13C-2,3,4,7,8-PeCDF	351.9000	33.04	2742091	1.04736		1.576	NO
16	2,3,4,7,8-PeCDF	339.8597	33.08	1419244	1.03515		1.577	NO
17	Total F2 PeCDFs	339.8597						
18	Total F1 PeCDFs	339.8597						
19								
20	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1789273	0.68342		1.591	NO
21	1,2,3,7,8-PeCDD	355.8546	33.93	912918	1.02043		1.645	NO
22	Total PeCDDs	355.8546						
23								
24	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	2076425	1.00000		1.336	NO
25								
26	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	1827917	0.88032		0.525	NO
27	1,2,3,4,7,8-HxCDF	373.8208	40.22	1168554	1.27856		1.244	NO
28	13C-1,2,3,6,7,8-HxCDF	383.8639	40.35	2359388	1.13627		0.513	NO
29	1,2,3,6,7,8-HxCDF	373.8208	40.37	1360565	1.15332		1.197	NO
30	13C-2,3,4,6,7,8-HxCDF	383.8639	41.08	1974374	0.95085		0.512	NO
31	2,3,4,6,7,8-HxCDF	373.8208	41.09	1169048	1.18422		1.249	NO
32	13C-1,2,3,7,8,9-HxCDF	383.8639	41.83	1983047	0.95503		0.516	NO
33	1,2,3,7,8,9-HxCDF	373.8208	41.85	1145622	1.15542		1.255	NO
34	Total HxCDFs	373.8208						
35								
36	13C-1,2,3,4,7,8-HxCDD	401.8559	41.25	1438013	0.69254		1.290	NO
37	1,2,3,4,7,8-HxCDD	389.8157	41.27	742242	1.03232		1.261	NO
38	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1677700	0.80797		1.280	NO
39	1,2,3,6,7,8-HxCDD	389.8157	41.37	915194	1.09101		1.267	NO
40	1,2,3,7,8,9-HxCDD	389.8157	41.67	1014281	1.30215		1.252	NO
41	Total HxCDDs	389.8157						
42								
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.29	1609884	0.77532		0.457	NO
44	1,2,3,4,6,7,8-HpCDF	407.7818	43.30	1183771	1.47063		1.033	NO
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	44.47	1324904	0.63807		0.440	NO
46	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	939354	1.41800		1.047	NO
47	Total HpCDFs	407.7818						
48								
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1390048	0.66944		1.074	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

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Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
50	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	754531	1.08562		1.103	NO
51	Total HpCDDs	423.7766						
52								
53	13C-OCDD	469.7779	46.74	1929564	0.46464		0.904	NO
54	OCDF	441.7428	46.85	1465508	1.51900		0.880	NO
55	OCDD	457.7377	46.75	1182937	1.22612		0.856	NO
56								
57								
58	Function 1 PFK	330.97...						
59	Function 3 PFK	380.97...						
60	Function 2 PFK	342.97...						
61	Function 4 PFK	430.97...						
62	Function 5 PFK	442.97...						
63	TCDF PCDPE	375.8364						
64	F1 PeCDF PCDPE	409.79...						
65	F2 PeCDF PCDPE	409.7974						
66	HXCDF PCDPE	445.7555						
67	HPCDF PCDPE	479.7165						
68	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

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Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod.Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.21	2858369	1.00000		0.777	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3351593	1.17255		0.800	NO
4	2,3,7,8-TCDF	303.9016	25.60	1345659	1.00375		0.789	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.45	2385359	0.83452		0.774	NO
8	2,3,7,8-TCDD	319.8965	26.47	1057156	1.10796		0.772	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.47	1180208	1.03224			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.48	2658410	0.93004		1.587	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	5618237	1.05669		1.566	NO
15	13C-2,3,4,7,8-PeCDF	351.9000	33.04	2611204	0.91353		1.617	NO
16	2,3,4,7,8-PeCDF	339.8597	33.08	5508055	1.05470		1.558	NO
17	Total F2 PeCDFs	339.8597						
18	Total F1 PeCDFs	339.8597						
19								
20	13C-1,2,3,7,8-PeCDD	367.8949	33.90	1788555	0.62573		1.580	NO
21	1,2,3,7,8-PeCDD	355.8546	33.93	3730469	1.04287		1.618	NO
22	Total PeCDDs	355.8546						
23								
24	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	2275301	1.00000		1.302	NO
25								
26	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	1777234	0.78110		0.520	NO
27	1,2,3,4,7,8-HxCDF	373.8208	40.22	4724124	1.32907		1.256	NO
28	13C-1,2,3,6,7,8-HxCDF	383.8639	40.35	2227274	0.97889		0.512	NO
29	1,2,3,6,7,8-HxCDF	373.8208	40.38	5202302	1.16786		1.274	NO
30	13C-2,3,4,6,7,8-HxCDF	383.8639	41.08	1939021	0.85220		0.528	NO
31	2,3,4,6,7,8-HxCDF	373.8208	41.09	4753423	1.22573		1.235	NO
32	13C-1,2,3,7,8,9-HxCDF	383.8639	41.83	2167352	0.95256		0.481	NO
33	1,2,3,7,8,9-HxCDF	373.8208	41.85	4977423	1.14827		1.205	NO
34	Total HxCDFs	373.8208						
35								
36	13C-1,2,3,4,7,8-HxCDD	401.8559	41.25	1358062	0.59687		1.254	NO
37	1,2,3,4,7,8-HxCDD	389.8157	41.28	2912544	1.07232		1.254	NO
38	13C-1,2,3,6,7,8-HxCDD	401.8559	41.35	1582027	0.69530		1.254	NO
39	1,2,3,6,7,8-HxCDD	389.8157	41.37	3671482	1.16037		1.265	NO
40	1,2,3,7,8,9-HxCDD	389.8157	41.67	4466861	1.51929		1.242	NO
41	Total HxCDDs	389.8157						
42								
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.30	1677838	0.73741		0.471	NO
44	1,2,3,4,6,7,8-HpCDF	407.7818	43.31	4755038	1.41701		1.006	NO
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	44.47	1343999	0.59069		0.478	NO
46	1,2,3,4,7,8,9-HpCDF	407.7818	44.48	3913034	1.45574		1.001	NO
47	Total HpCDFs	407.7818						
48								
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.15	1435686	0.63099		1.031	NO

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Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
50	1,2,3,4,6,7,8-HpCDD	423.7766	44.17	3040980	1.05907		1.045	NO
51	Total HpCDDs	423.7766						
52								
53	13C-OCDD	469.7779	46.74	2076104	0.45623		0.882	NO
54	OCDF	441.7428	46.85	6321603	1.52247		0.895	NO
55	OCDD	457.7377	46.75	5068983	1.22079		0.940	NO
56								
57								
58	Function 1 PFK	330.97...						
59	Function 3 PFK	380.97...						
60	Function 2 PFK	342.97...						
61	Function 4 PFK	430.97...						
62	Function 5 PFK	442.97...						
63	TCDF PCDPE	375.8364						
64	F1 PeCDF PCDPE	409.79...						
65	F2 PeCDF PCDPE	409.7974						
66	HXCDF PCDPE	445.7555						
67	HPCDF PCDPE	479.7165						
68	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

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Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	331.9368	26.21	2394707	1.00000		0.771	NO
2								
3	13C-2,3,7,8-TCDF	315.9419	25.58	3696153	1.54347		0.806	NO
4	2,3,7,8-TCDF	303.9016	25.60	7424463	1.00435		0.768	NO
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	26.45	2465877	1.02972		0.752	NO
8	2,3,7,8-TCDD	319.8965	26.47	5435781	1.10220		0.790	NO
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	26.47	5966306	1.24573			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	31.49	3023706	1.26266		1.602	NO
14	1,2,3,7,8-PeCDF	339.8597	31.51	31842201	1.05309		1.564	NO
15	13C-2,3,4,7,8-PeCDF	351.9000	33.05	3017616	1.26012		1.589	NO
16	2,3,4,7,8-PeCDF	339.8597	33.08	31021834	1.02802		1.565	NO
17	Total F2 PeCDFs	339.8597						
18	Total F1 PeCDFs	339.8597						
19								
20	13C-1,2,3,7,8-PeCDD	367.8949	33.90	2021493	0.84415		1.621	NO
21	1,2,3,7,8-PeCDD	355.8546	33.94	20524164	1.01530		1.595	NO
22	Total PeCDDs	355.8546						
23								
24	13C-1,2,3,7,8,9-HxCDD	401.8559	41.66	2376282	1.00000		1.234	NO
25								
26	13C-1,2,3,4,7,8-HxCDF	383.8639	40.21	2104253	0.88552		0.528	NO
27	1,2,3,4,7,8-HxCDF	373.8208	40.23	27297113	1.29724		1.249	NO
28	13C-1,2,3,6,7,8-HxCDF	383.8639	40.35	2660192	1.11948		0.526	NO
29	1,2,3,6,7,8-HxCDF	373.8208	40.38	30437920	1.14420		1.257	NO
30	13C-2,3,4,6,7,8-HxCDF	383.8639	41.08	2344200	0.98650		0.529	NO
31	2,3,4,6,7,8-HxCDF	373.8208	41.09	28575895	1.21900		1.280	NO
32	13C-1,2,3,7,8,9-HxCDF	383.8639	41.85	2397086	1.00875		0.521	NO
33	1,2,3,7,8,9-HxCDF	373.8208	41.86	26863327	1.12067		1.257	NO
34	Total HxCDFs	373.8208						
35								
36	13C-1,2,3,4,7,8-HxCDD	401.8559	41.27	1807602	0.76068		1.282	NO
37	1,2,3,4,7,8-HxCDD	389.8157	41.28	18852814	1.04297		1.242	NO
38	13C-1,2,3,6,7,8-HxCDD	401.8559	41.37	1915387	0.80604		1.276	NO
39	1,2,3,6,7,8-HxCDD	389.8157	41.38	21466604	1.12074		1.265	NO
40	1,2,3,7,8,9-HxCDD	389.8157	41.67	24894057	1.33732		1.265	NO
41	Total HxCDDs	389.8157						
42								
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	43.30	1935549	0.81453		0.471	NO
44	1,2,3,4,6,7,8-HpCDF	407.7818	43.31	26772160	1.38318		1.015	NO
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	44.48	1724483	0.72571		0.435	NO
46	1,2,3,4,7,8,9-HpCDF	407.7818	44.49	23091444	1.33904		1.042	NO
47	Total HpCDFs	407.7818						
48								
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.17	1704882	0.71746		1.051	NO

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDD25.qld

Last Altered: Thursday, March 04, 2010 15:31:45 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:31:06 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

#	Name	Trace	RT	Response	RRF	Mod Date	Ratio	Ratio Flag
50	1,2,3,4,6,7,8-HpCDD	423.7766	44.18	17961810	1.05355		1.046	NO
51	Total HpCDDs	423.7766						
52								
53	13C-OCDD	469.7779	46.75	2733974	0.57526		0.944	NO
54	OCDF	441.7428	46.85	41009042	1.49998		0.914	NO
55	OCDD	457.7377	46.76	31853261	1.16509		0.897	NO
56								
57								
58	Function 1 PFK	330.97...						
59	Function 3 PFK	380.97...						
60	Function 2 PFK	342.97...						
61	Function 4 PFK	430.97...						
62	Function 5 PFK	442.97...						
63	TCDF PCDPE	375.8364						
64	F1 PeCDF PCDPE	409.79...						
65	F2 PeCDF PCDPE	409.7974						
66	HXCDF PCDPE	445.7555						
67	HPCDF PCDPE	479.7165						
68	OCDF PCDPE	513.67...						

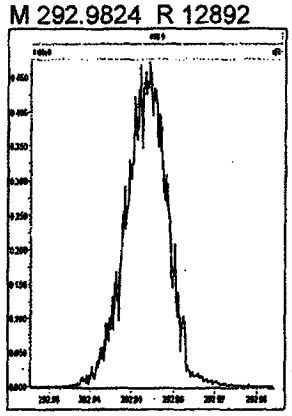
	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle	FV_uL
1	04MR103D5_01	CS-1 09DXN422	ST0304	---	---	1.000000	---	Tray01:1	---
2	04MR103D5_02	CS-2 09DXN423	ST0304A	---	---	1.000000	---	Tray01:2	---
3	04MR103D5_03	CS-3 10DXN049	ST0304B	---	---	1.000000	---	Tray01:3	---
4	04MR103D5_04	CS-4 09DXN426	ST0304C	---	---	1.000000	---	Tray01:4	---
5	04MR103D5_05	CS-5 09DXN456	ST0304D	---	---	1.000000	---	Tray01:5	---
6	04MR103D5_06	2nd Source 09DXN449	ST0304E	1613B/8290		1.000000	---	Tray01:6	20
7	04MR103D5_07	DB5 CPSM 3732-05	CP0304	---	---	1.000000	---	Tray01:7	---

Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF	ConG
2.000000	Standard	JRB	OCDD25	OCDD25	0.5	2.5	5	100	200	0.5	100
2.000000	Standard	JRB	OCDD25	OCDD25	2	10	20	100	200	2	100
2.000000	Standard	JRB	OCDD25	OCDD25	10	50	100	100	200	10	100
2.000000	Standard	JRB	OCDD25	OCDD25	40	200	400	100	200	40	100
2.000000	Standard	JRB	OCDD25	OCDD25	200	1000	2000	100	200	200	100
2.000000	Analyte	JRB	OCDD25	OCDD25	---	---	---	2000	4000	200	2000
2.000000	Analyte	JRB	OCDD25	OCDD25	---	---	---	---	---	---	---

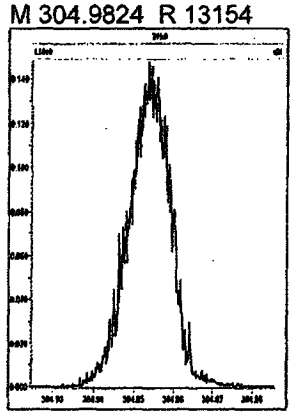
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, March 04, 2010 11:06:13 Pacific Standard Time

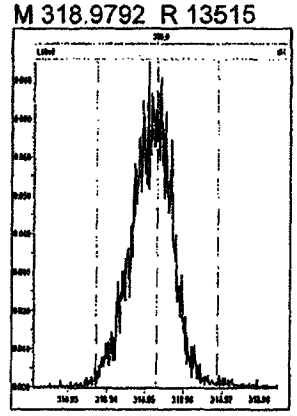
M 292.9824 R 12892



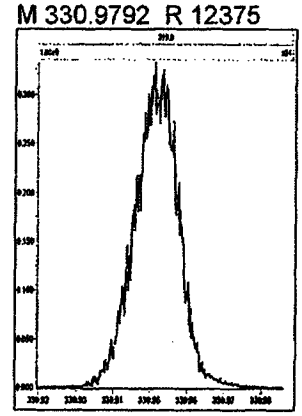
M 304.9824 R 13154



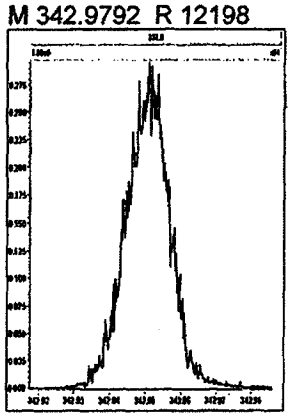
M 318.9792 R 13515



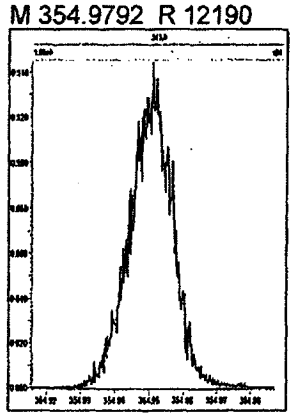
M 330.9792 R 12375



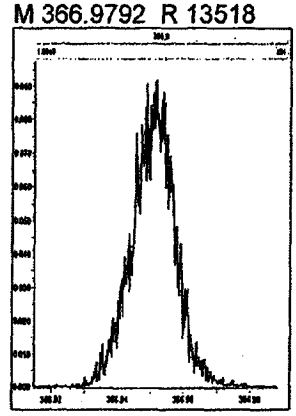
M 342.9792 R 12198



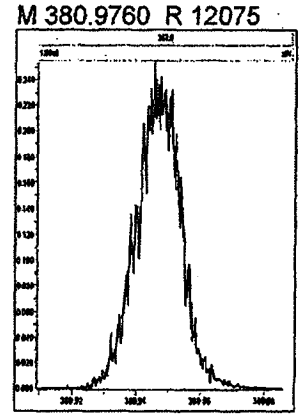
M 354.9792 R 12190



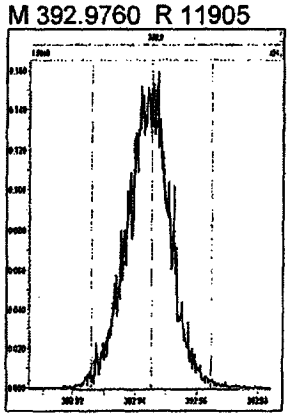
M 366.9792 R 13518



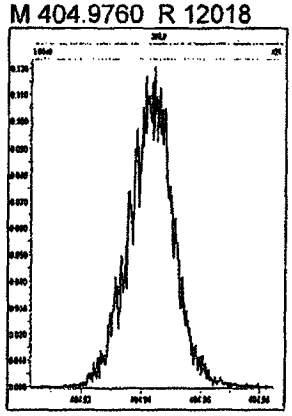
M 380.9760 R 12075



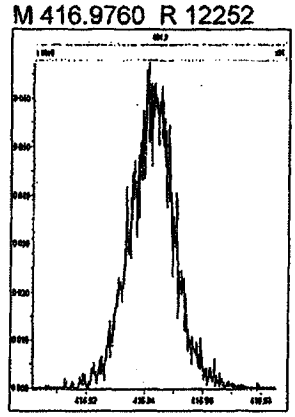
M 392.9760 R 11905



M 404.9760 R 12018



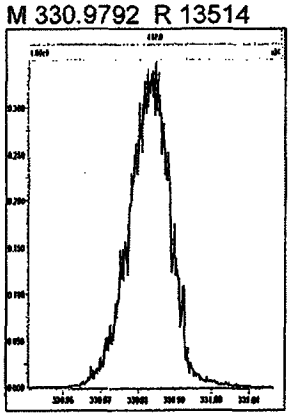
M 416.9760 R 12252



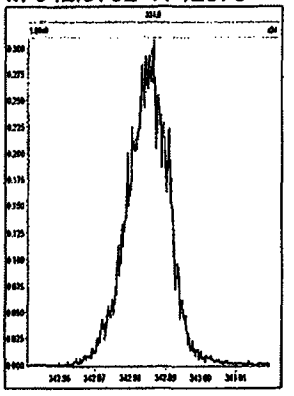
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, March 04, 2010 11:06:52 Pacific Standard Time

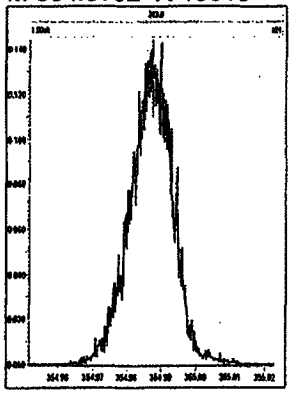
M 330.9792 R 13514



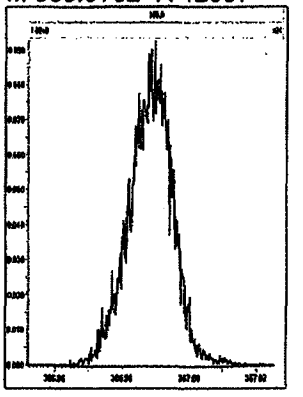
M 342.9792 R 12375



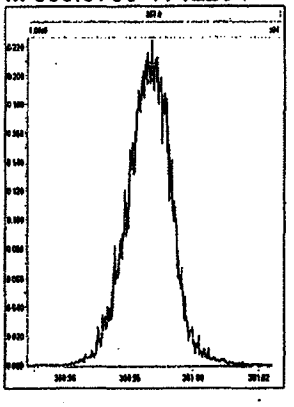
M 354.9792 R 13516



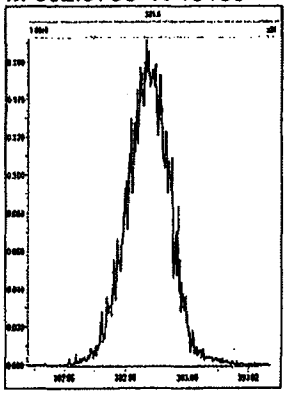
M 366.9792 R 12887



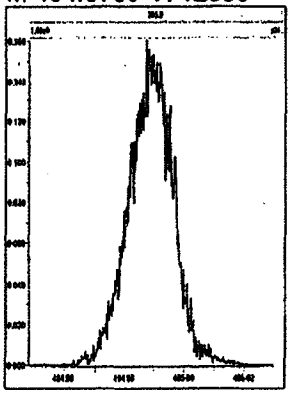
M 380.9760 R 12254



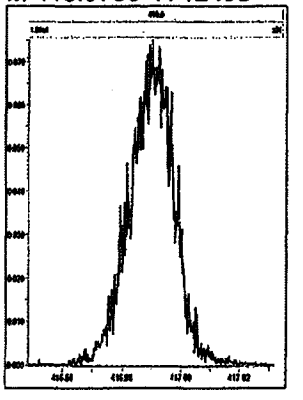
M 392.9760 R 13160



M 404.9760 R 12500



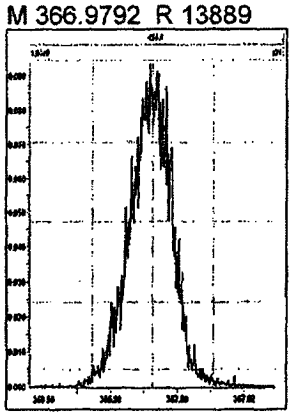
M 416.9760 R 12498



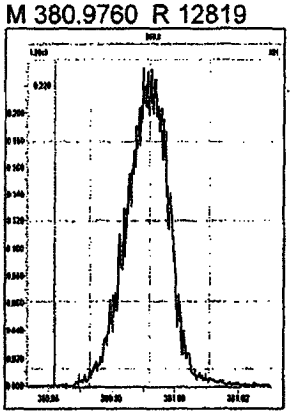
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, March 04, 2010 11:07:21 Pacific Standard Time

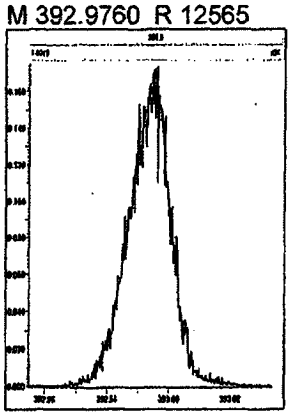
M 366.9792 R 13889



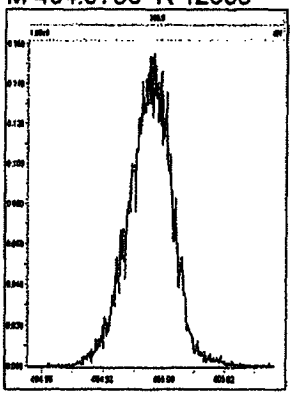
M 380.9760 R 12819



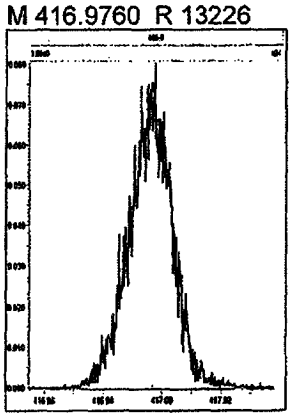
M 392.9760 R 12565



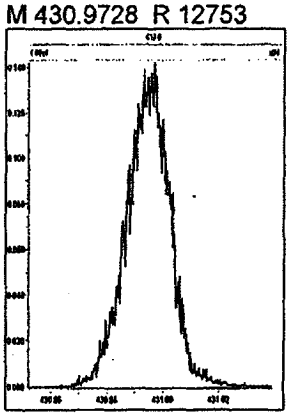
M 404.9760 R 12686



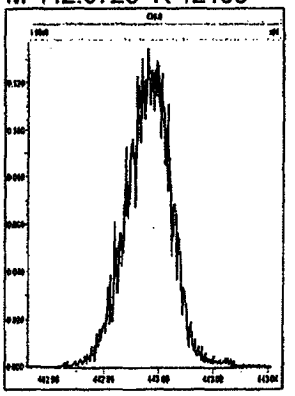
M 416.9760 R 13226



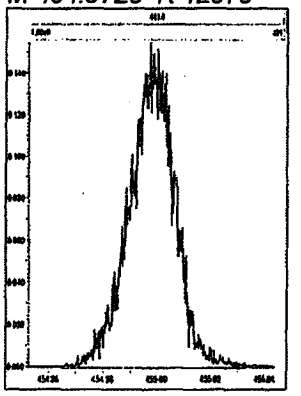
M 430.9728 R 12753



M 442.9728 R 12136



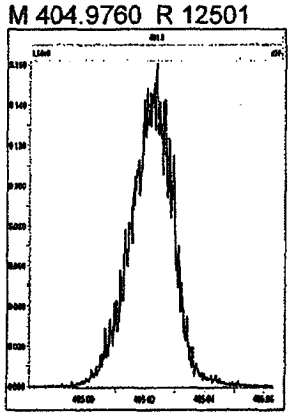
M 454.9728 R 12076



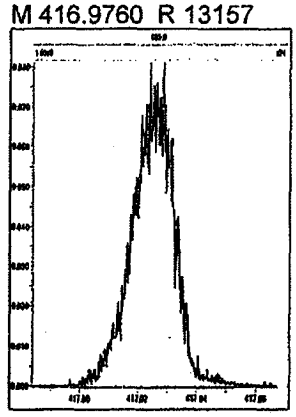
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, March 04, 2010 11:07:58 Pacific Standard Time

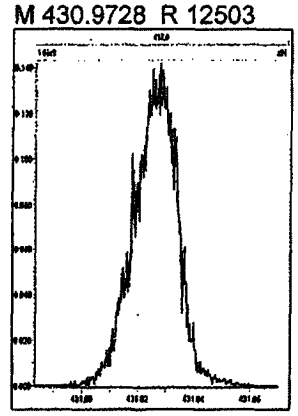
M 404.9760 R 12501



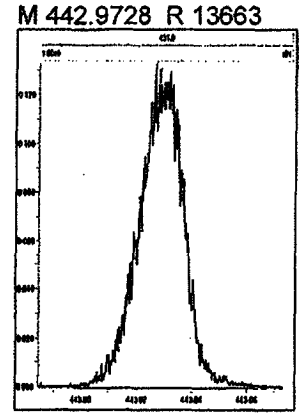
M 416.9760 R 13157



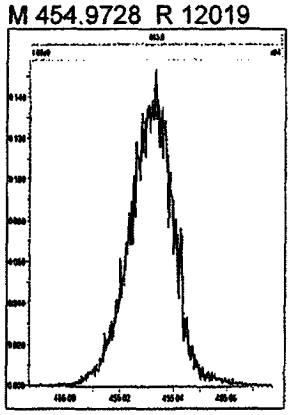
M 430.9728 R 12503



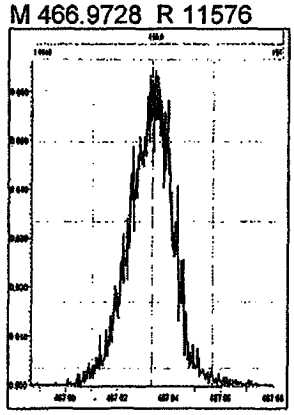
M 442.9728 R 13663



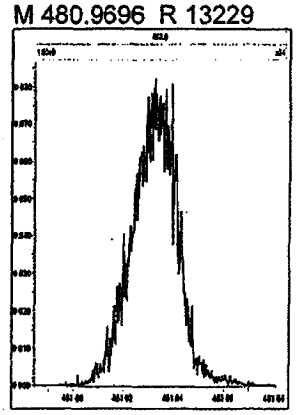
M 454.9728 R 12019



M 466.9728 R 11576



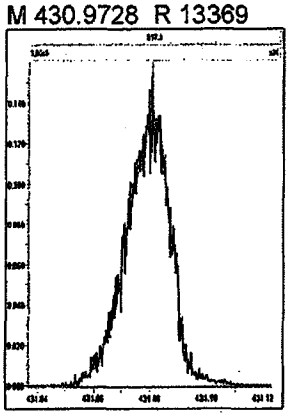
M 480.9696 R 13229



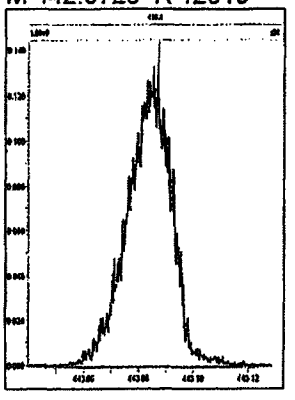
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, March 04, 2010 11:08:19 Pacific Standard Time

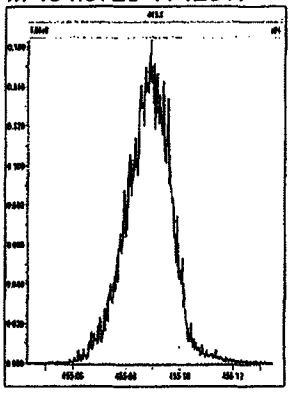
M 430.9728 R 13369



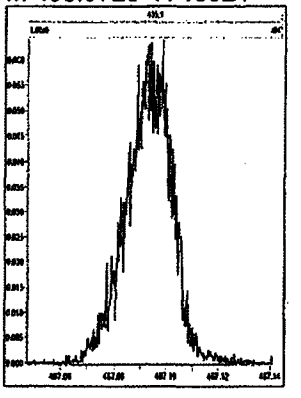
M 442.9728 R 12819



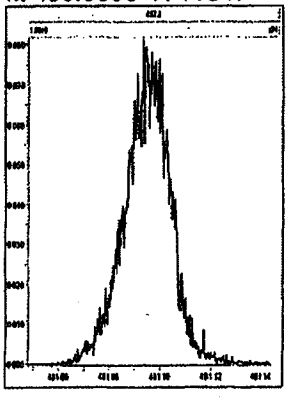
M 454.9728 R 12017



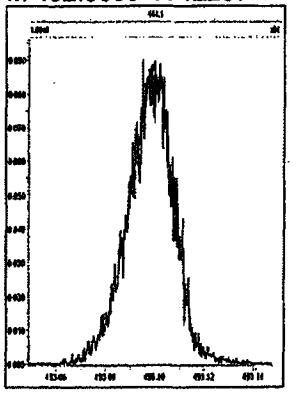
M 466.9728 R 13021



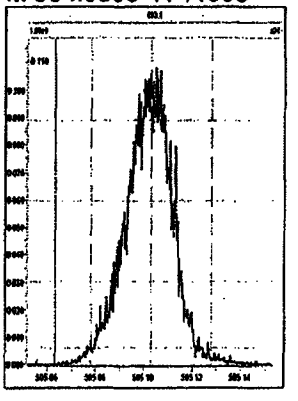
M 480.9696 R 11847



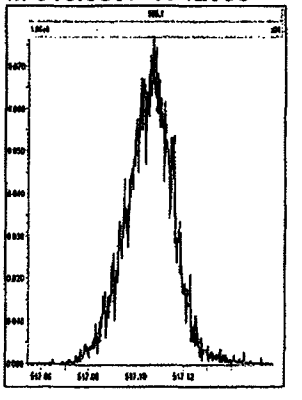
M 492.9696 R 12257



M 504.9696 R 11905



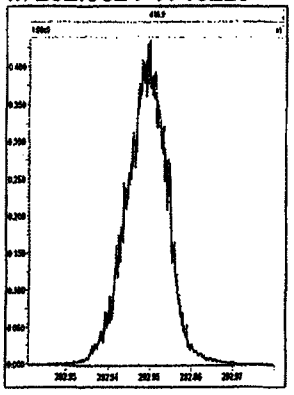
M 516.9697 R 12080



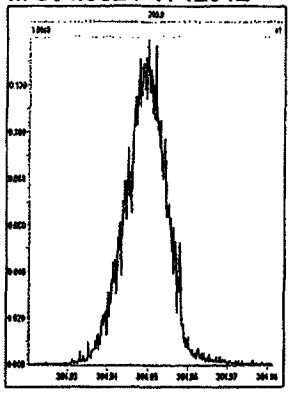
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, March 04, 2010 17:15:19 Pacific Standard Time

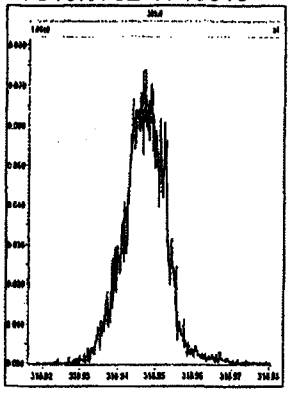
M 292.9824 R 13226



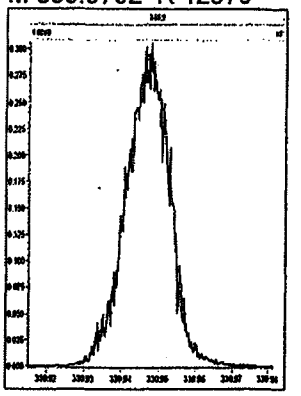
M 304.9824 R 12312



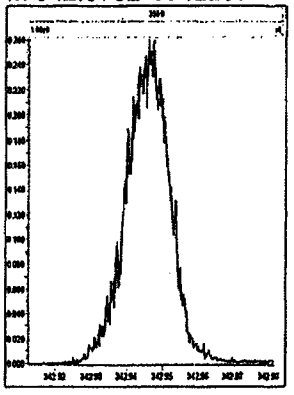
M 318.9792 R 13016



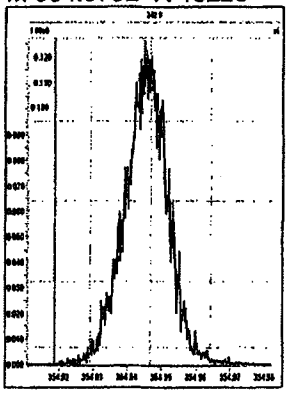
M 330.9792 R 12375



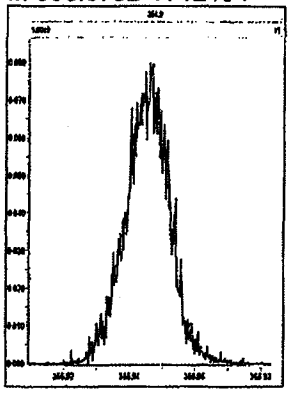
M 342.9792 R 12257



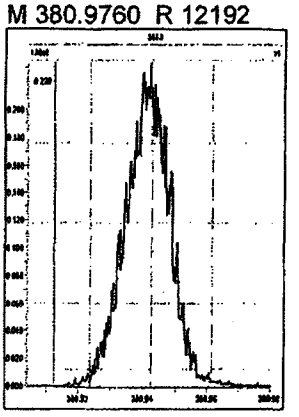
M 354.9792 R 13228



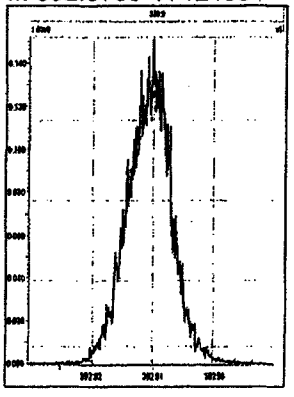
M 366.9792 R 12134



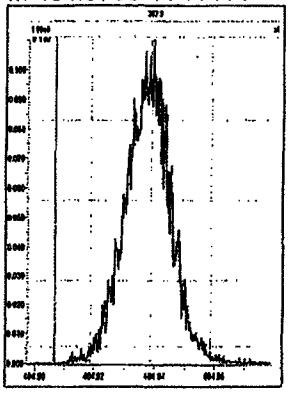
M 380.9760 R 12192



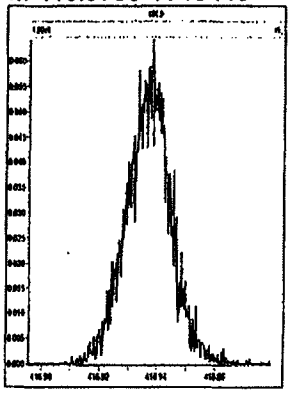
M 392.9760 R 12136



M 404.9760 R 11414



M 416.9760 R 13443



File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

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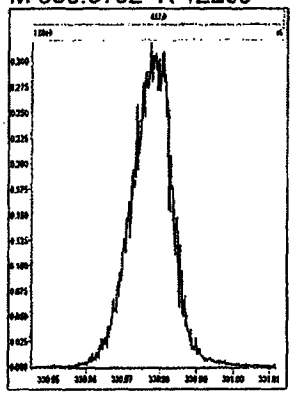
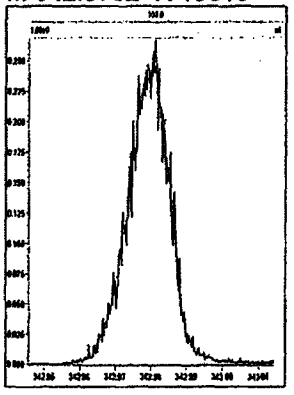
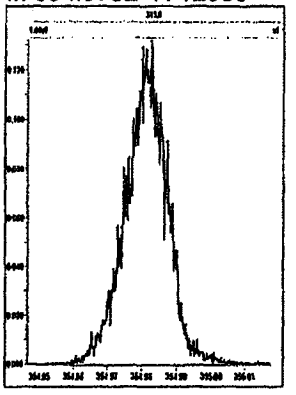
M 330.9792 R 12255



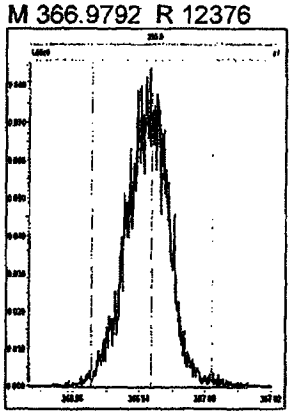
M 342.9792 R 13019



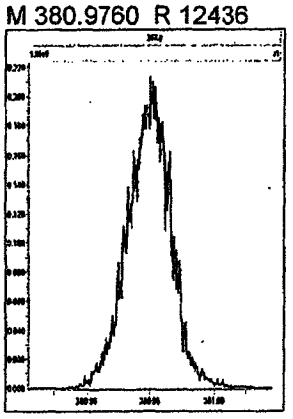
M 354.9792 R 12955



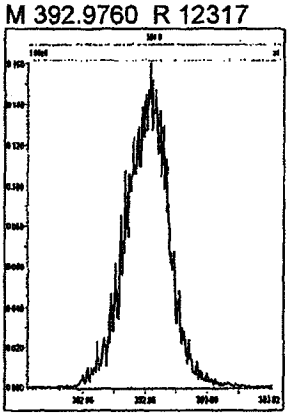
M 366.9792 R 12376



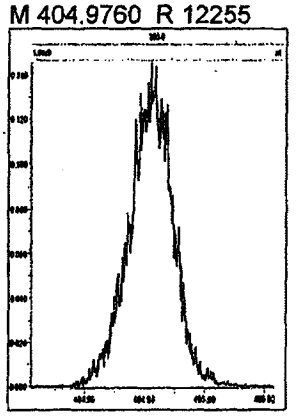
M 380.9760 R 12436



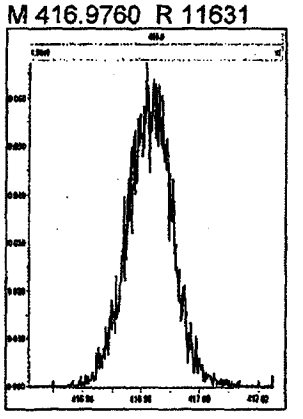
M 392.9760 R 12317



M 404.9760 R 12255



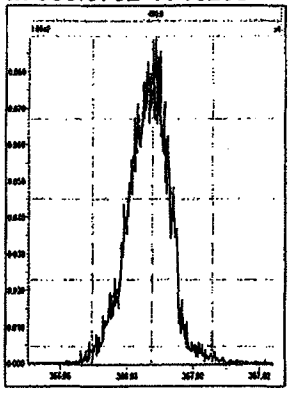
M 416.9760 R 11631



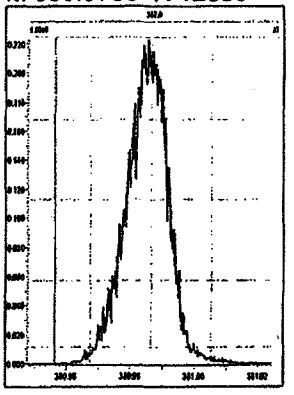
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, March 04, 2010 17:16:07 Pacific Standard Time

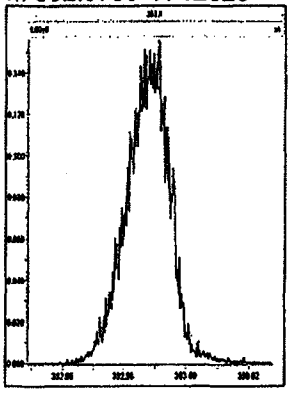
M 366.9792 R 13298



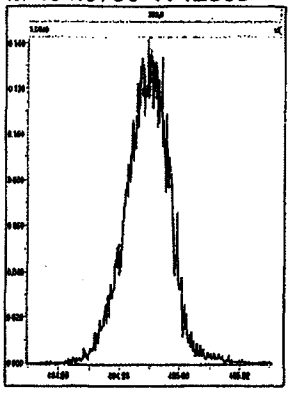
M 380.9760 R 12885



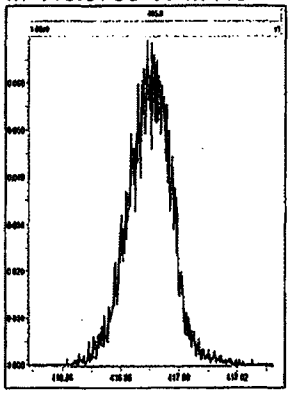
M 392.9760 R 12628



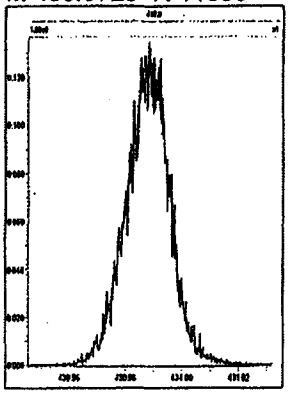
M 404.9760 R 12563



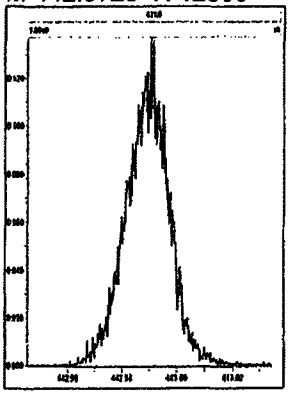
M 416.9760 R 12436



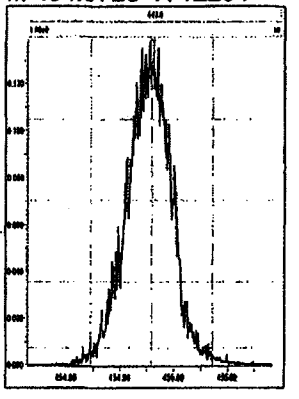
M 430.9728 R 11959



M 442.9728 R 12563



M 454.9728 R 12254



File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

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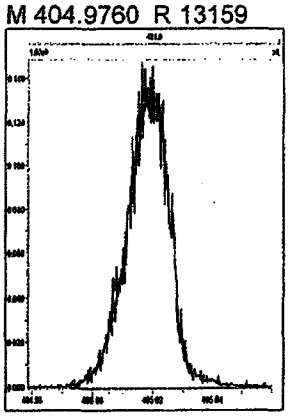
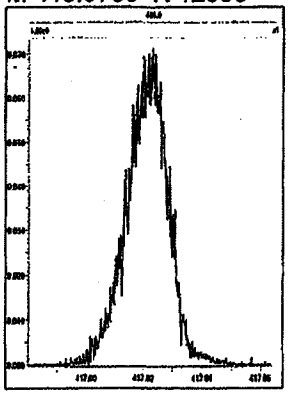
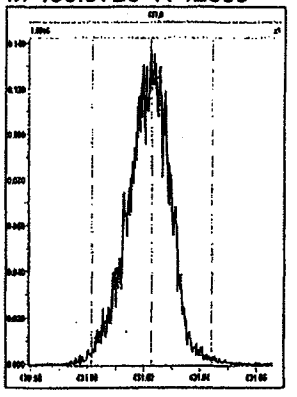
M 404.9760 R 13159



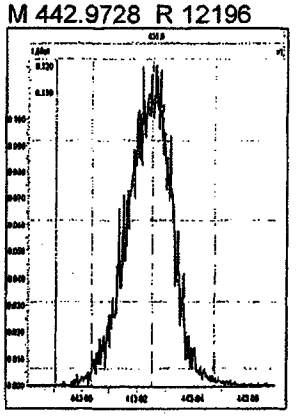
M 416.9760 R 12690



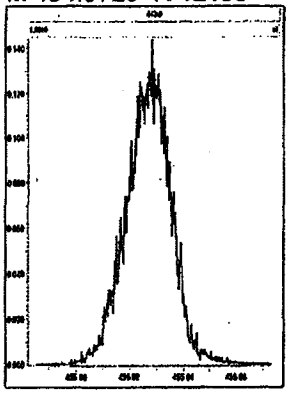
M 430.9728 R 12689



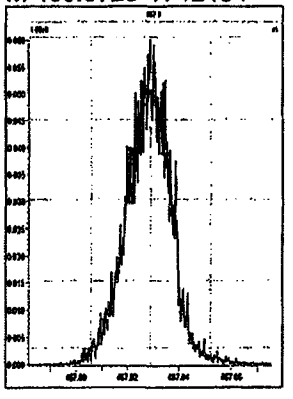
M 442.9728 R 12196



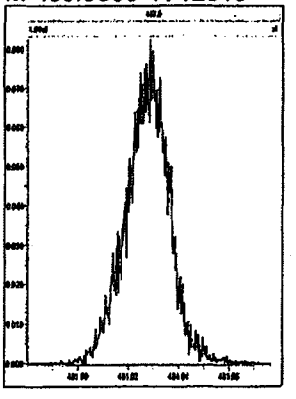
M 454.9728 R 12195



M 466.9728 R 12134



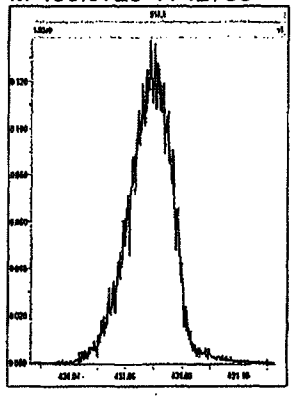
M 480.9696 R 12818



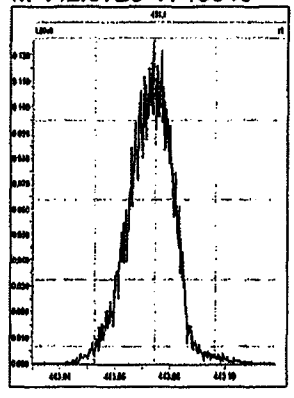
File: Experiment: OCDD25.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, March 04, 2010 17:17:05 Pacific Standard Time

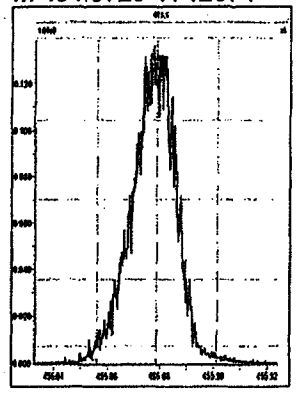
M 430.9728 R 12750



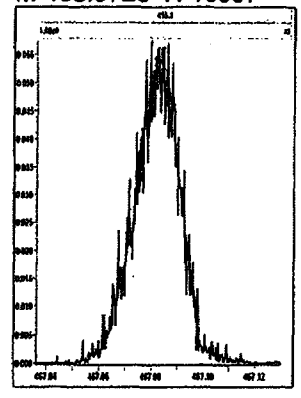
M 442.9728 R 13019



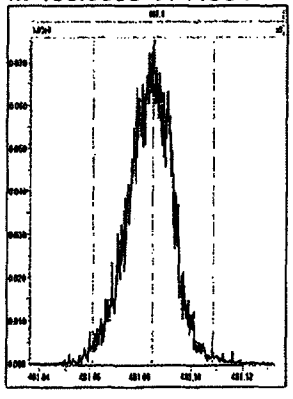
M 454.9728 R 12074



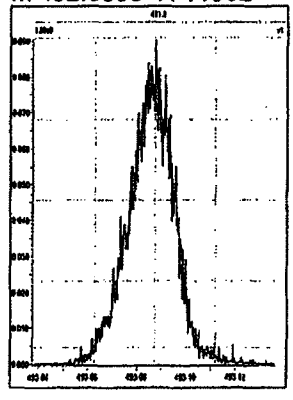
M 466.9728 R 13587



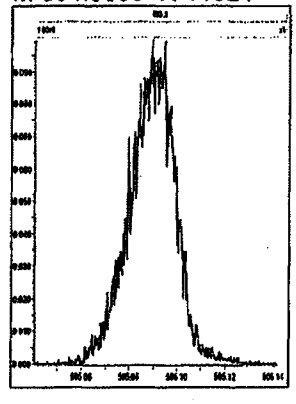
M 480.9696 R 11964



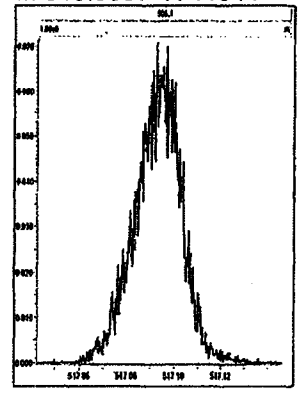
M 492.9696 R 11902

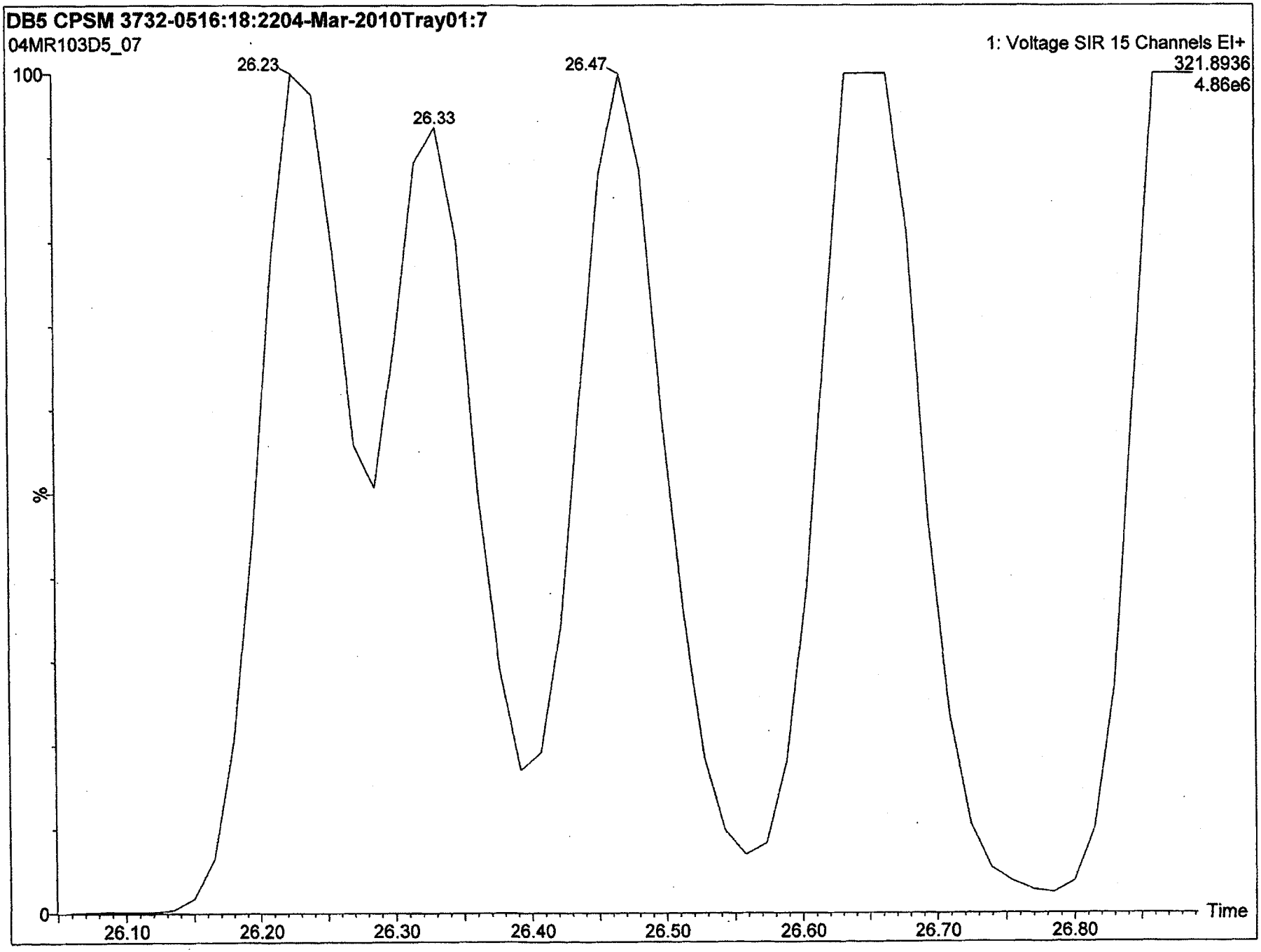


M 504.9696 R 11521



M 516.9697 R 11844





Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:37:18 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio ...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	1.000	26.21	26.19	1.000		1987350.31	2000.0000	2000.0000	100.0	1.0907	0.776	0.770	NO	
2																
3	13C-2,3,7,8-TCDF	315.9419	1.000	25.58	25.59	1.292		2956769.25	2302.7774	2302.7774	115.1	0.9900	0.800	0.770	NO	
4	2,3,7,8-TCDF	303.9016	1.000	25.59	25.59	0.983		276427.80	190.1849	190.1849		0.3469	0.779	0.770	NO	
5	Total TCDFs	303.9016	1.000		21.44	0.983			190.1849	190.1849		0.3469				
6																
7	13C-2,3,7,8-TCDD	331.9368	1.000	26.44	26.46	0.897		1907428.56	2139.7879	2139.7879	107.0	1.2159	0.759	0.770	NO	
8	2,3,7,8-TCDD	319.8965	1.000	26.47	26.46	1.051		193443.74	192.9811	192.9811		0.4402	0.800	0.770	NO	
9	Total TCDDs	319.8965	1.000		22.69	1.051			192.9811	192.9811		0.4402				
10																
11	37CL-2,3,7,8-TCDD	327.8847	1.000	26.47	26.46	1.067		237792.42	224.2709	0.0000	112.1	0.2756				
12																
13	13C-1,2,3,7,8-PeCDF	351.9000	1.000	31.49	31.50	1.011		2224565.06	2214.0967	2214.0967	110.7	2.6452	1.611	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	1.000	31.51	31.50	1.018		549381.19	485.3510	485.3510		1.2639	1.604	1.550	NO	
15	13C-2,3,4,7,8-PeCDF	351.9000	1.000	33.04	33.06	1.021		2271634.88	2239.2106	2239.2106	112.0	2.6197	1.601	1.550	NO	
16	2,3,4,7,8-PeCDF	339.8597	1.000	33.07	33.04	1.005		550096.05	482.0908	482.0908		1.3345	1.559	1.550	NO	
17	Total F2 PeCDFs	339.8597	1.000		34.47	1.011			967.4418	967.4418		1.2993				
18	Total F1 PeCDFs	339.8597	1.000		36.56	1.011						0.4257				
19																
20	13C-1,2,3,7,8-PeCDD	367.8949	1.000	33.90	33.92	0.668		1466179.75	2208.1365	2208.1365	110.4	2.3402	1.595	1.550	NO	
21	1,2,3,7,8-PeCDD	355.8546	1.000	33.94	33.91	0.996		345521.95	473.3485	473.3485		1.2081	1.573	1.550	NO	
22	Total PeCDDs	355.8546	1.000		31.10	0.996			473.3485	473.3485		1.2081				
23																
24	13C-1,2,3,7,8,9-HxCDD	401.8559	1.000	41.66	41.67	1.000		1392956.25	2000.0000	2000.0000	100.0	2.2871	1.338	1.240	NO	
25																
26	13C-1,2,3,4,7,8-HxCDF	383.8639	1.000	40.21	40.20	0.880		1514772.84	2471.2126	2471.2126	123.6	4.8520	0.518	0.510	NO	
27	1,2,3,4,7,8-HxCDF	373.8208	1.000	40.22	40.21	1.242		451377.64	480.0170	480.0170		0.9376	1.307	1.240	NO	
28	13C-1,2,3,6,7,8-HxCDF	383.8639	1.000	40.35	40.36	1.132		1874015.69	2376.7221	2376.7221	118.8	3.7720	0.514	0.510	NO	
29	1,2,3,6,7,8-HxCDF	373.8208	1.000	40.38	40.35	1.111		501004.83	481.2479	481.2479		0.8583	1.275	1.240	NO	
30	13C-2,3,4,6,7,8-HxCDF	383.8639	1.000	41.08	41.07	0.964		1646417.63	2451.2330	2451.2330	122.6	4.4280	0.539	0.510	NO	
31	2,3,4,6,7,8-HxCDF	373.8208	1.000	41.09	41.09	1.175		452573.25	467.7921	467.7921		0.7680	1.273	1.240	NO	
32	13C-1,2,3,7,8,9-HxCDF	383.8639	1.000	41.83	41.84	0.953		1432361.69	2159.0167	2159.0167	108.0	4.4830	0.518	0.510	NO	
33	1,2,3,7,8,9-HxCDF	373.8208	1.000	41.85	41.83	1.117		394610.61	493.4290	493.4290		0.8905	1.282	1.240	NO	
34	Total HxCDFs	373.8208	1.000		0.00	1.161			1922.4859	1922.4859		0.8603				
35																

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:37:18 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio...	Mod Date
36	13C-1,2,3,4,7,8-HxCDD	401.8559	1.000	41.25	41.26	0.698		1155208.47	2375.0019	2375.0019	118.8	3.2748	1.260	1.240	NO	
37	1,2,3,4,7,8-HxCDD	389.8157	1.000	41.27	41.25	1.014		298003.14	508.5659	508.5659		0.8772	1.254	1.240	NO	
38	13C-1,2,3,6,7,8-HxCDD	401.8559	1.000	41.35	41.36	0.804		1307469.38	2335.5270	2335.5270	116.8	2.8454	1.248	1.240	NO	
39	1,2,3,6,7,8-HxCDD	389.8157	1.000	41.37	41.35	1.084		351366.34	495.6025	495.6025		0.8459	1.283	1.240	NO	
40	1,2,3,7,8,9-HxCDD	389.8157	1.000	41.67	41.67	1.265		341145.75	437.9269	437.9269		0.7149	1.265	1.240	NO	
41	Total HxCDDs	389.8157	1.000		0.00	1.121			1442.0954	1442.0954		0.8066				
42																
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	1.000	43.29	43.29	0.794		1319682.50	2386.6403	2386.6403	119.3	6.8324	0.423	0.440	NO	
44	1,2,3,4,6,7,8-HpCDF	407.7818	1.000	43.30	43.29	1.381		411888.52	451.9184	451.9184		1.3020	1.077	1.040	NO	
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	1.000	44.47	44.47	0.662		993889.13	2154.1168	2154.1168	107.7	8.1882	0.442	0.440	NO	
46	1,2,3,4,7,8,9-HpCDF	407.7818	1.000	44.48	44.47	1.332		328400.09	496.2559	496.2559		2.0060	1.104	1.040	NO	
47	Total HpCDFs	407.7818	1.000		0.00	1.356			948.1743	948.1743		1.6022				
48																
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	1.000	44.15	44.16	0.675		1088680.28	2316.8513	2316.8513	115.8	4.9268	1.104	1.040	NO	
50	1,2,3,4,6,7,8-HpCDD	423.7766	1.000	44.17	44.15	1.033		259489.04	461.5257	461.5257		1.3689	1.041	1.040	NO	
51	Total HpCDDs	423.7766	1.000		-0.02	1.033			461.5257	461.5257		1.3689				
52																
53	13C-OCDD	469.7779	1.000	46.74	46.74	0.493		1493679.81	4352.0070	4352.0070	108.8	5.6240	0.916	0.890	NO	
54	OCDF	441.7428	1.000	46.85	46.85	1.426		493731.83	927.3197	927.3197		1.3289	0.929	0.890	NO	
55	OCDD	457.7377	1.000	46.75	46.74	1.155		424857.83	984.6596	984.6596		1.5421	0.879	0.890	NO	
56																
57																
58	Function 1 PFK	330.97920	1.000		0.00											
59	Function 3 PFK	380.97600	1.000		0.00											
60	Function 2 PFK	342.97920	1.000		0.00											
61	Function 4 PFK	430.97290	1.000		0.00											
62	Function 5 PFK	442.97280	1.000		0.00											
63	TCDF PCDPE	375.8364	1.000		0.00											
64	F1 PeCDF PCDPE	409.79740	1.000		0.00											
65	F2 PeCDF PCDPE	409.7974	1.000		0.00											
66	HXCDF PCDPE	445.7555	1.000		0.00											
67	HPCDF PCDPE	479.7165	1.000		0.00											
68	OCDF PCDPE	513.67750	1.000		0.00											

Quantify Sample Report **MassLynx 4.1**

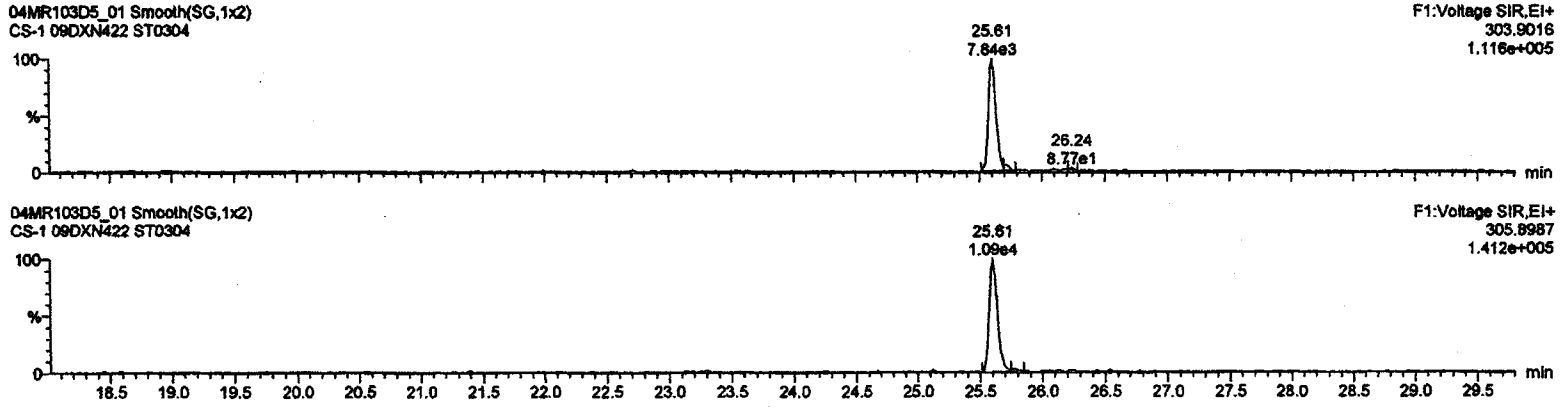
Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

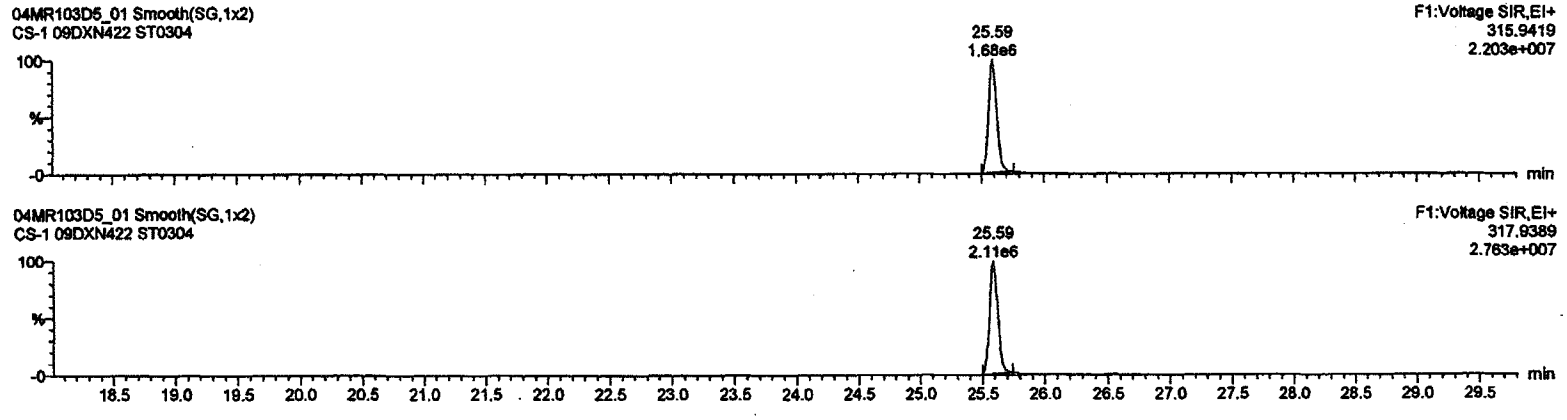
Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: 04 Mar 2010 15:28:33

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

TCDFs



13C-TCDF



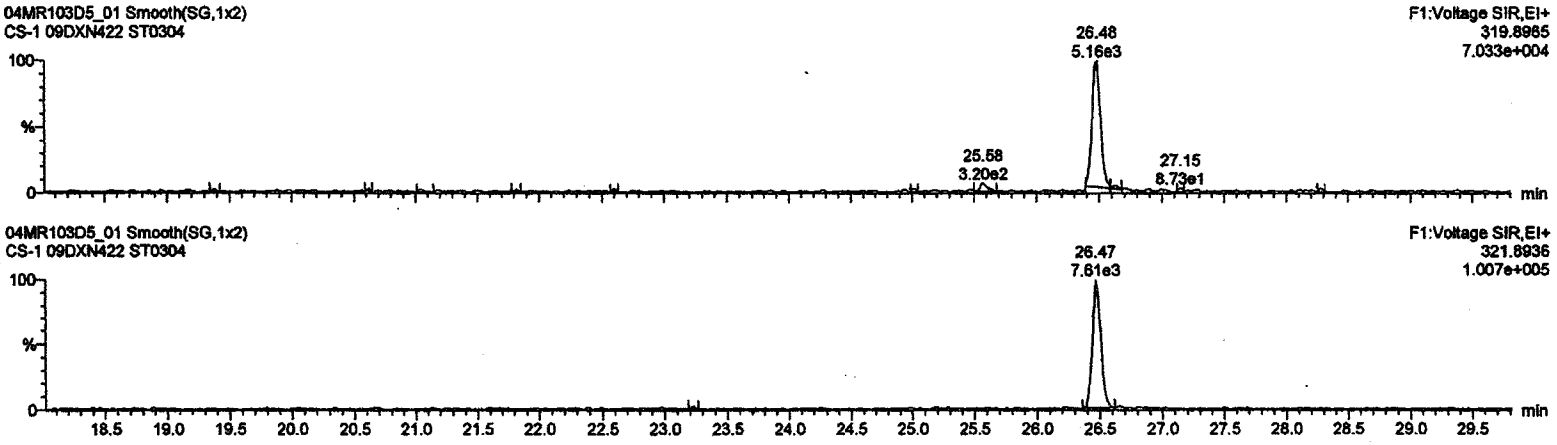
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

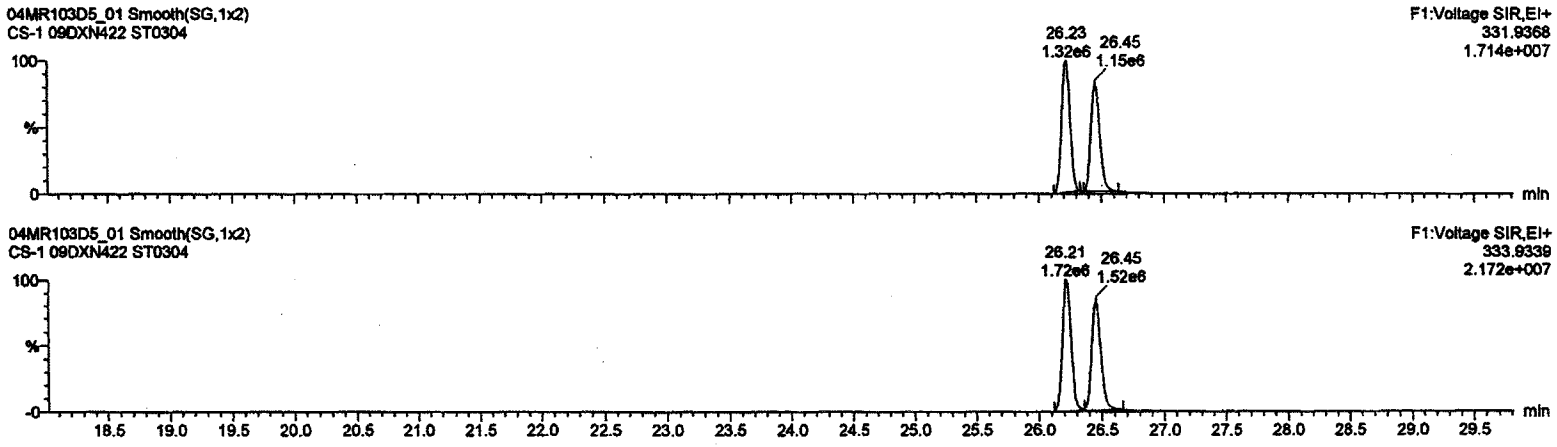
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

TCDDs



13C-TCDDs



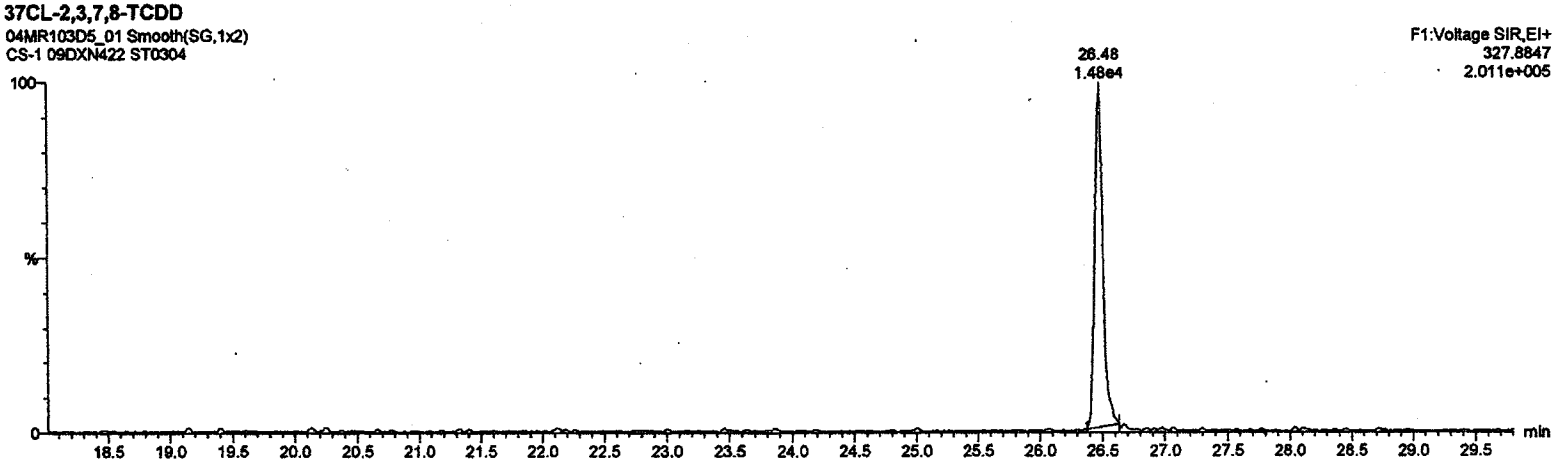
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

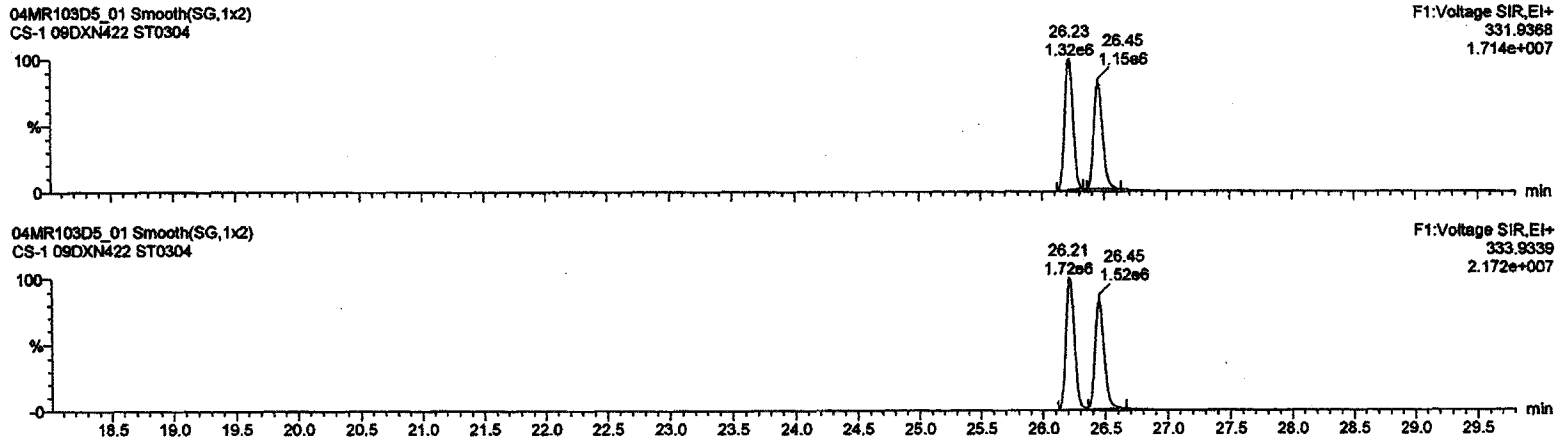
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

37CL-2,3,7,8-TCDD



13C-TCDDs



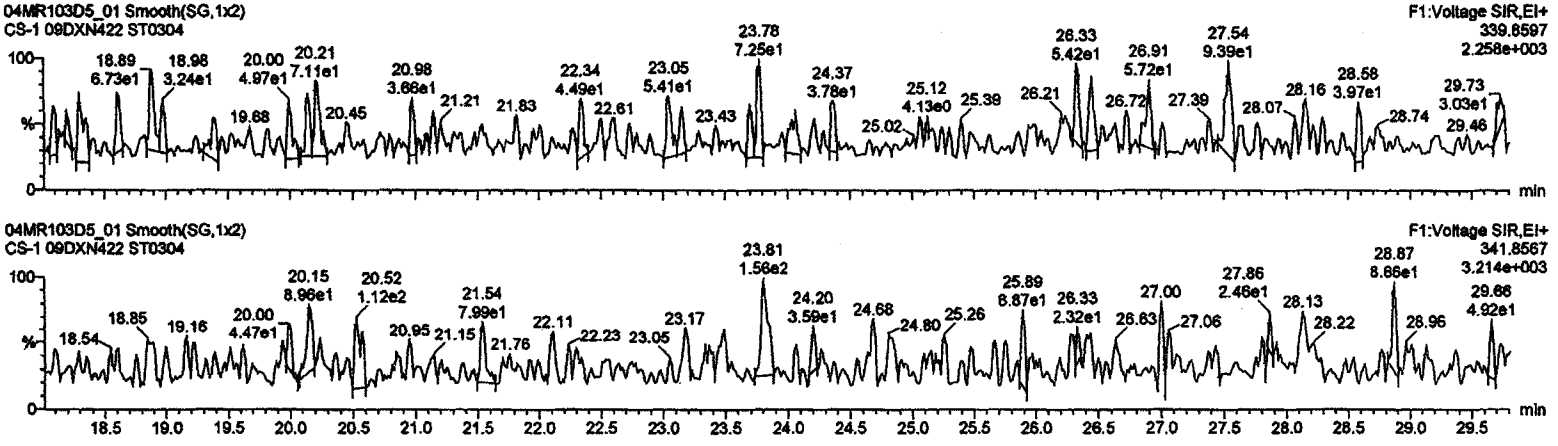
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

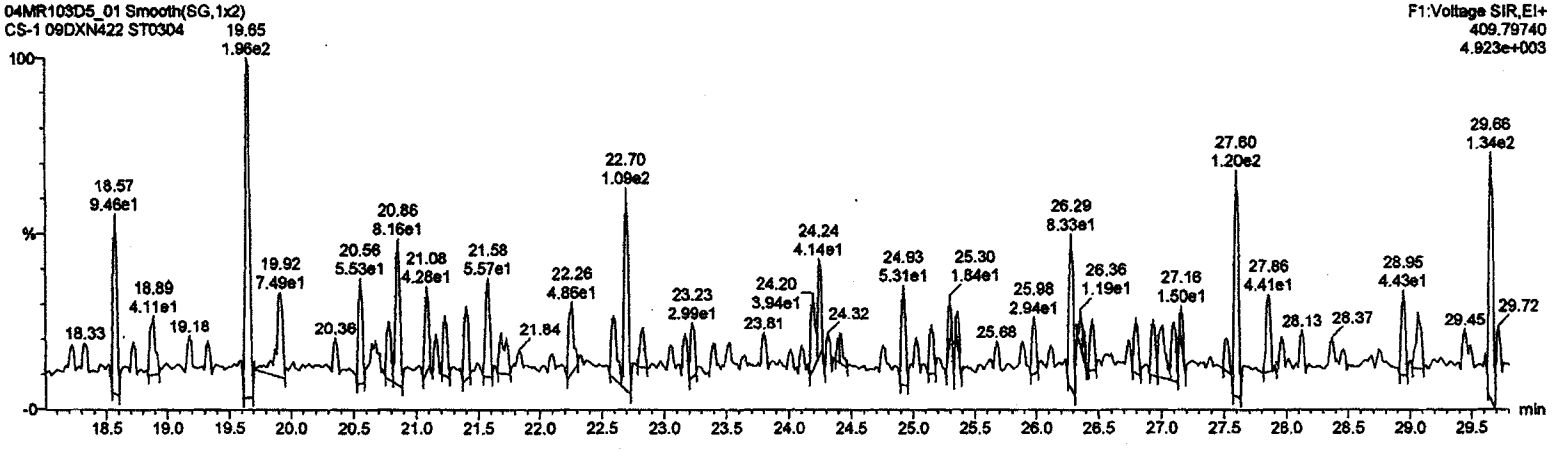
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

F1 PeCDFs



F1 PeCDF PCDPE



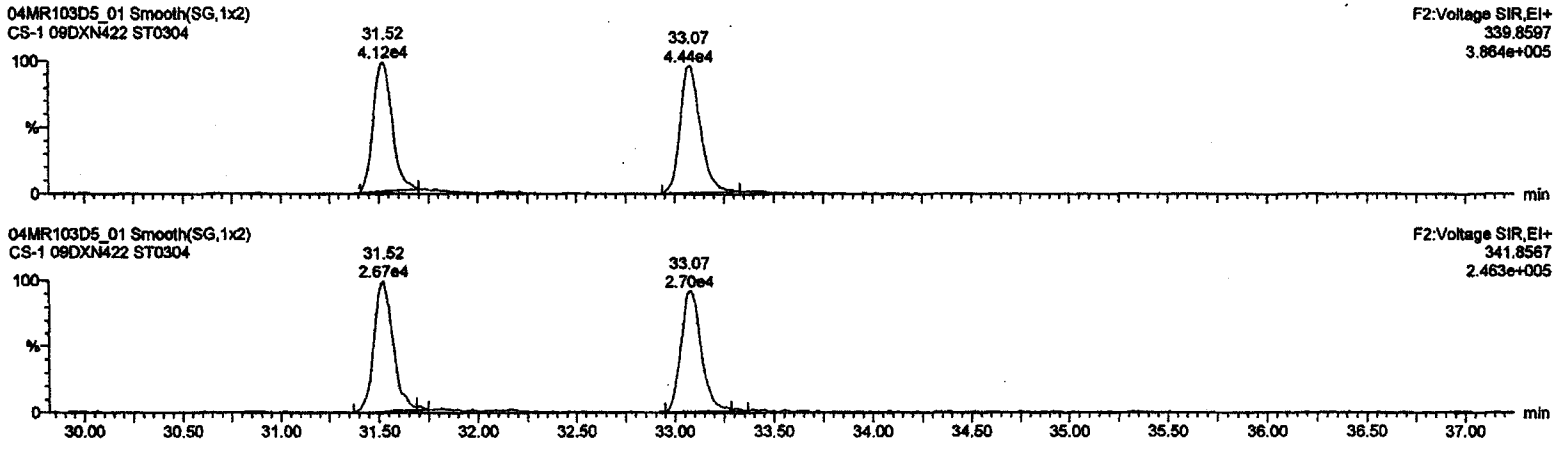
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

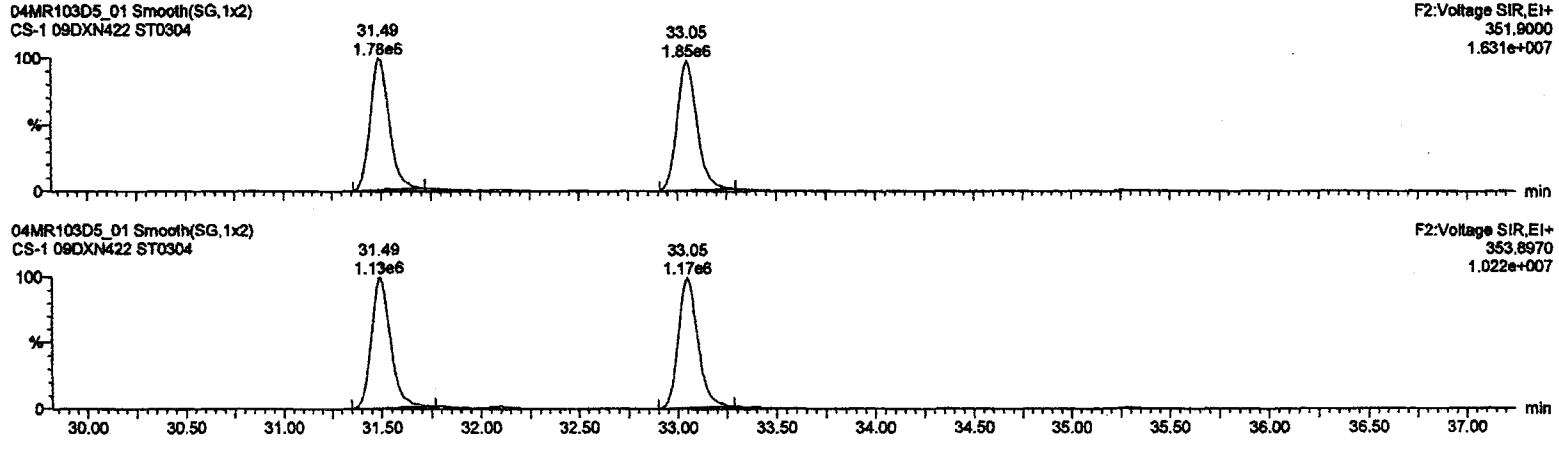
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

PeCDFs



13C-PeCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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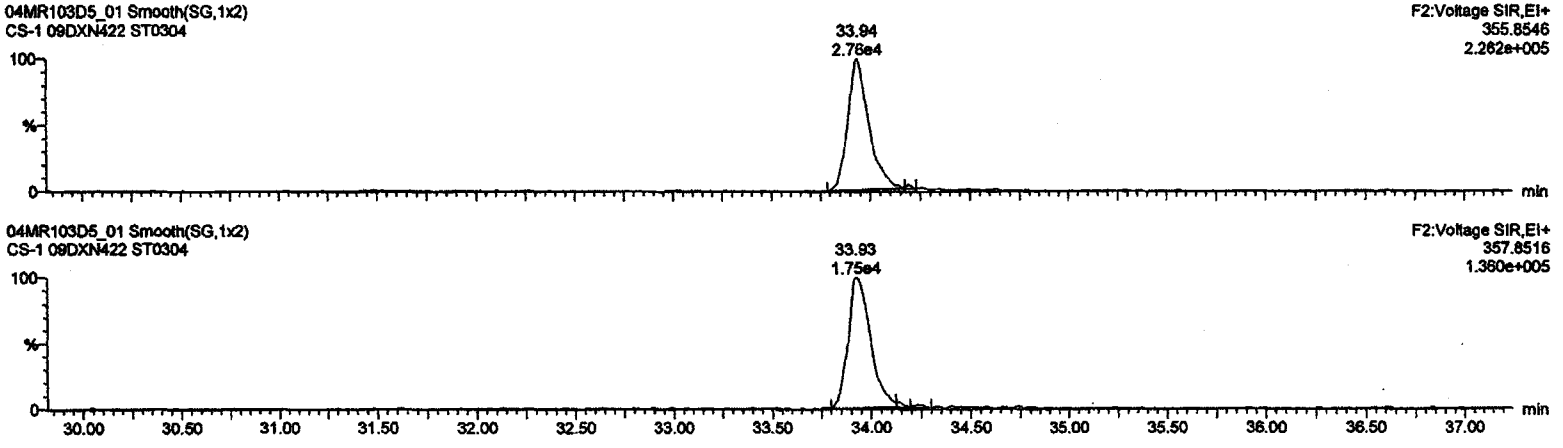
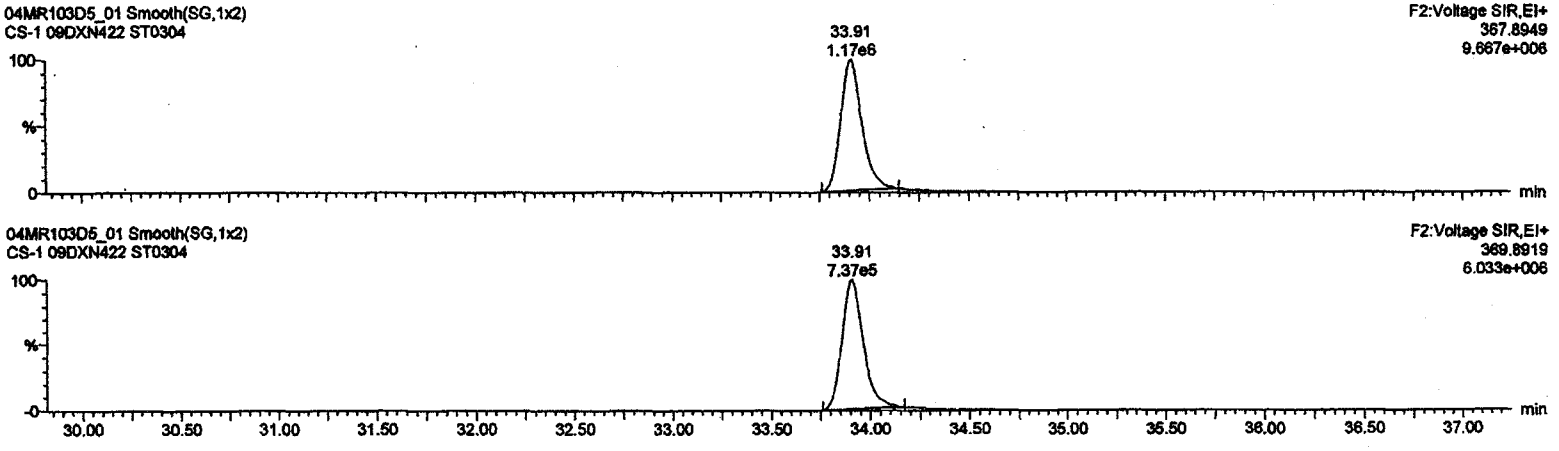
Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

PeCDDs



13C-PeCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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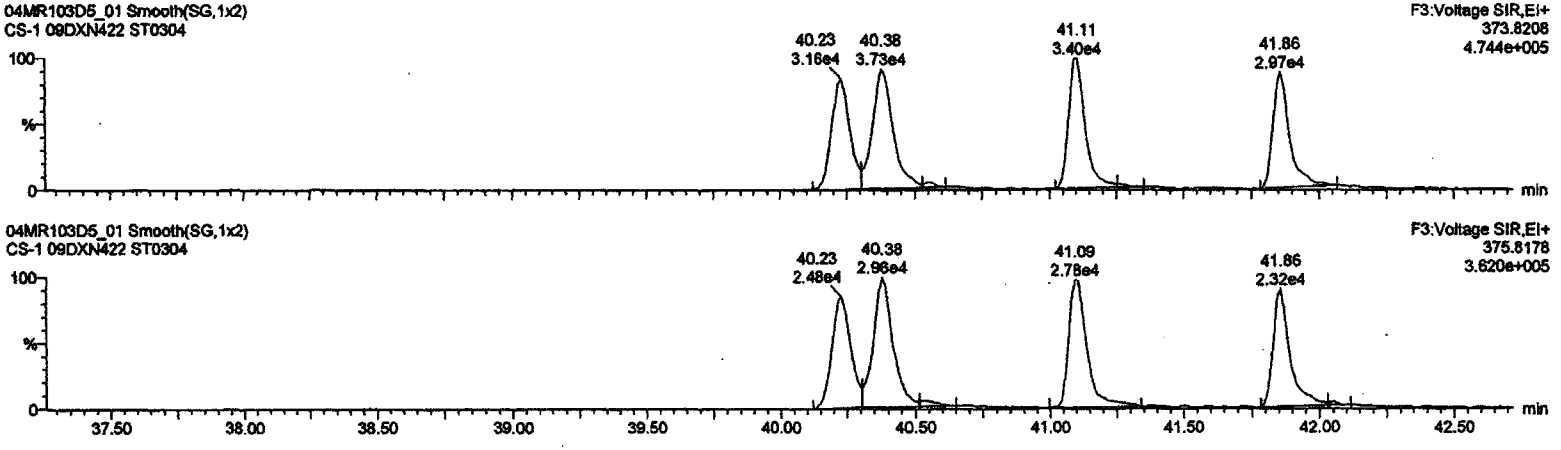
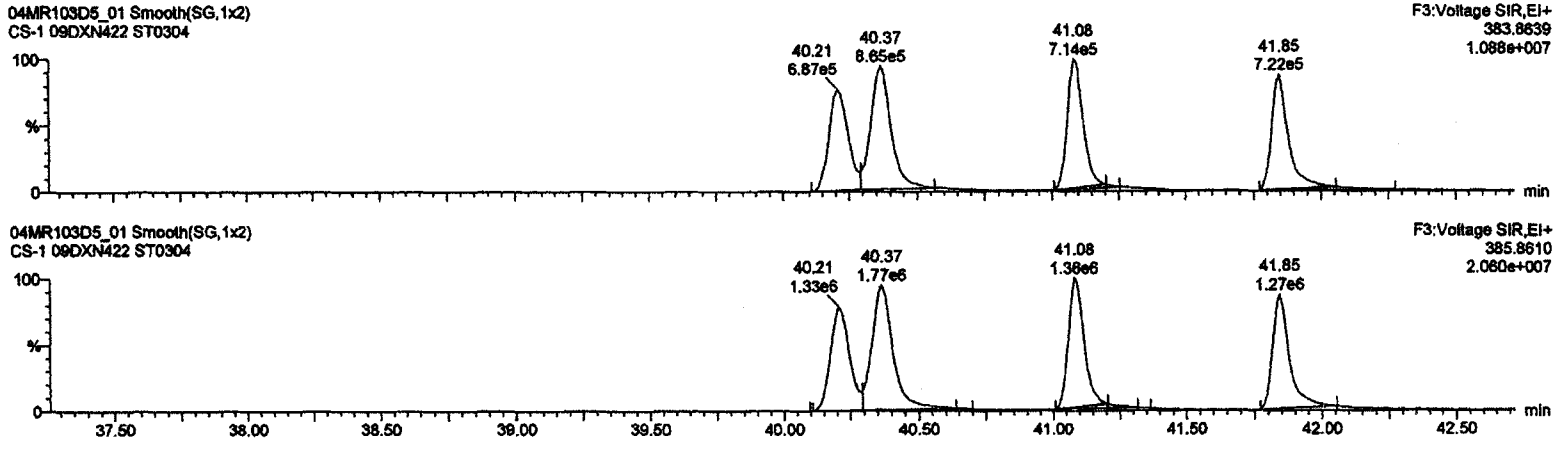
Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

HxCDFs



13C-HxCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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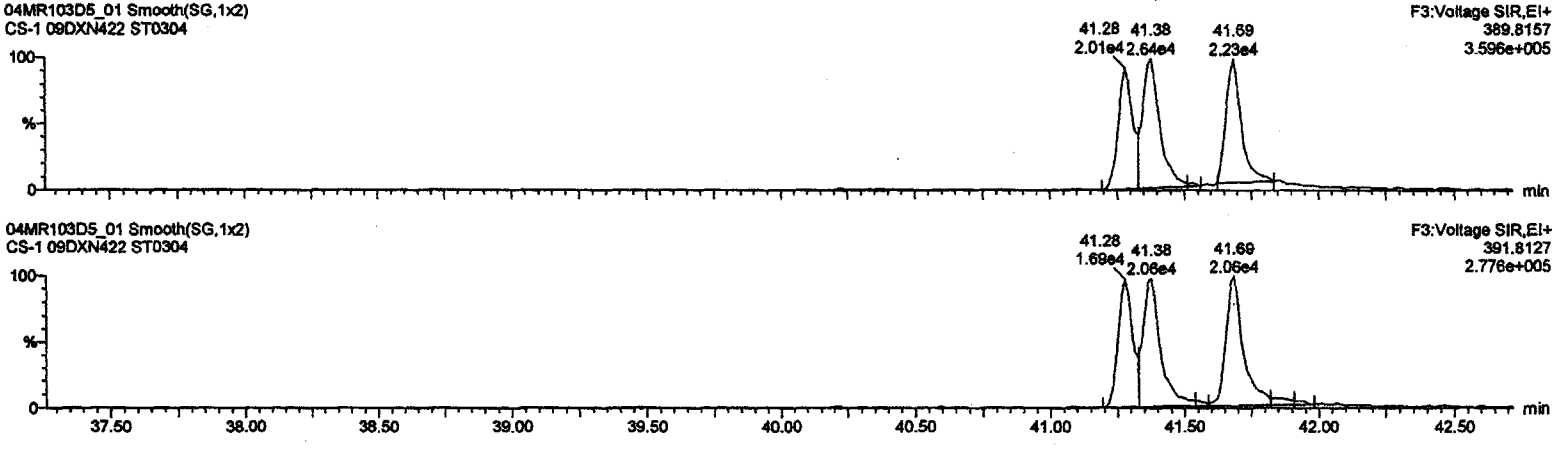
Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

HxCDDs



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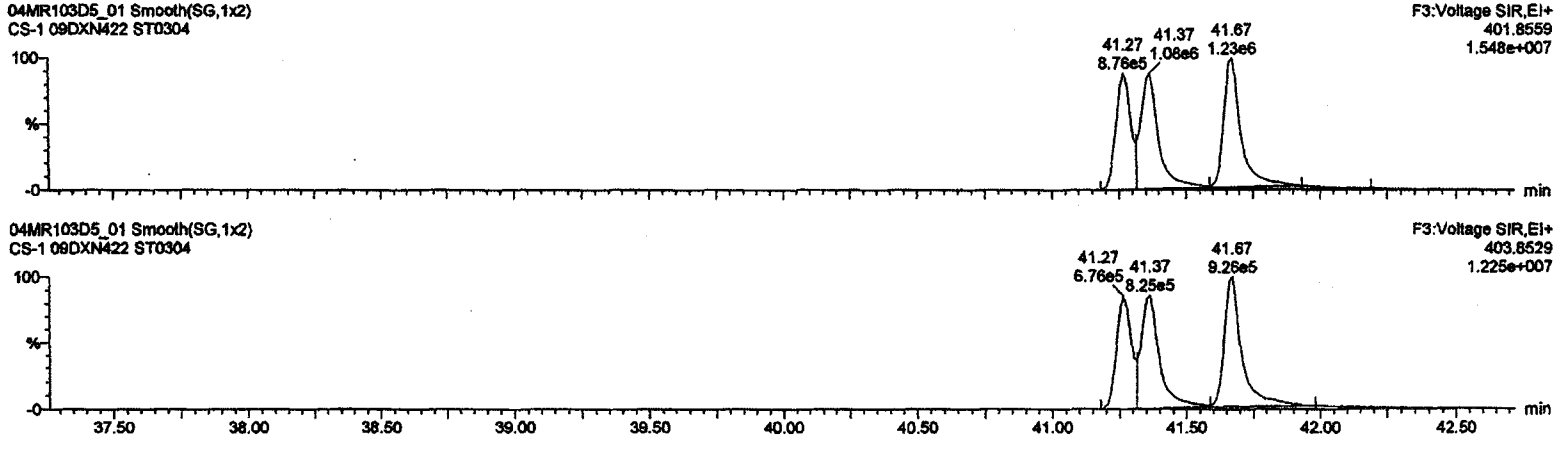

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

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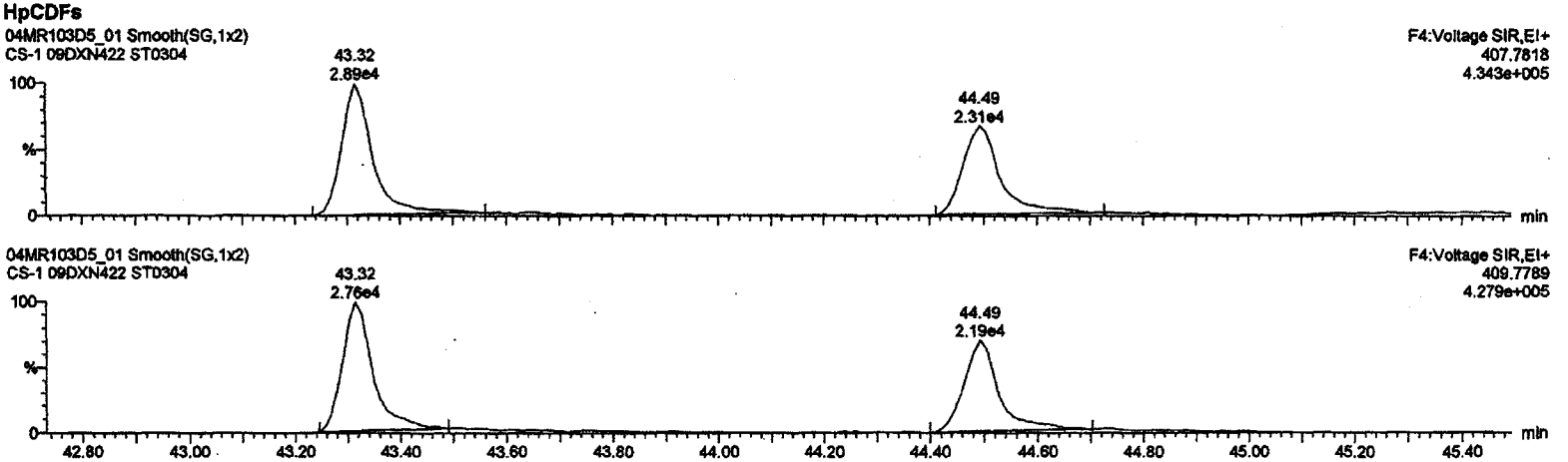
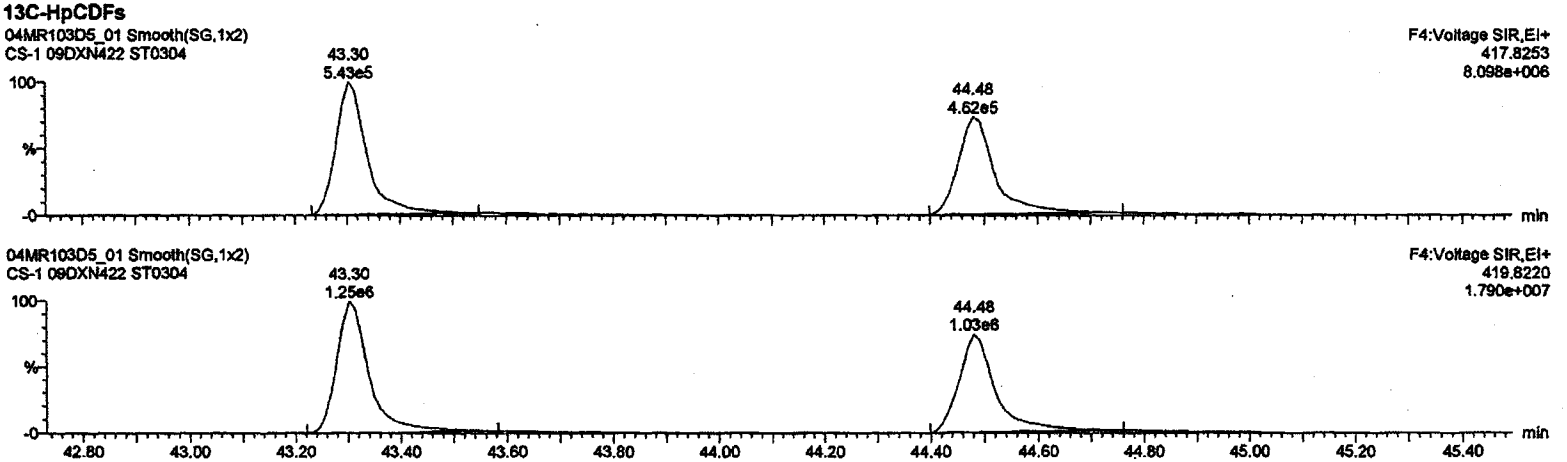
HpCDFs



13C-HpCDFs



Quantify Sample Report **MassLynx 4.1**

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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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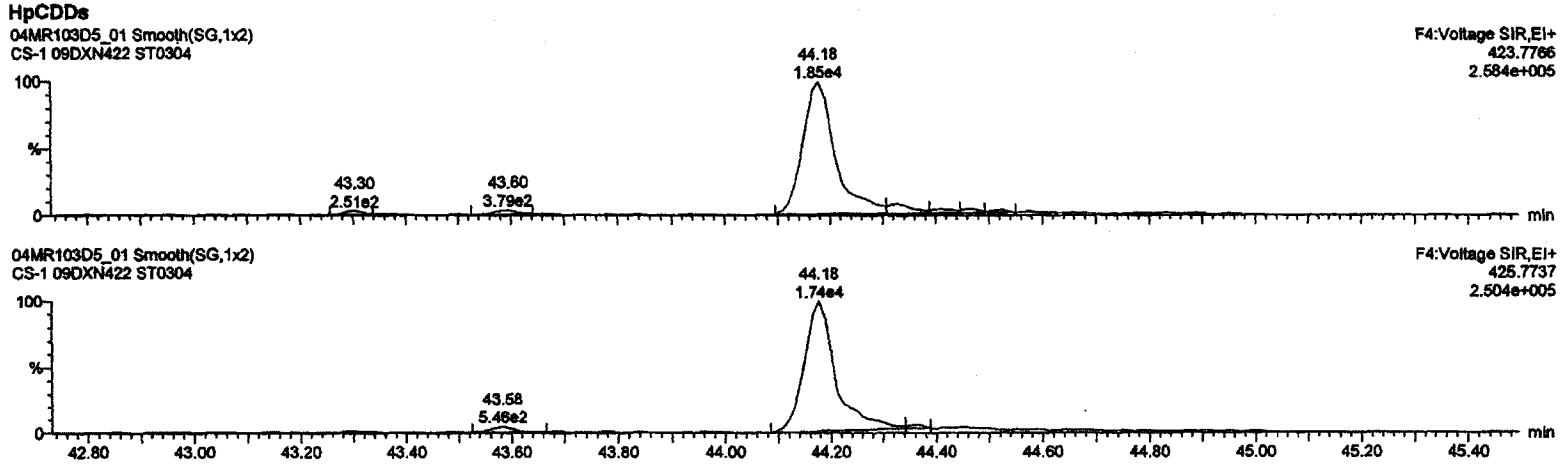
HpCDDs



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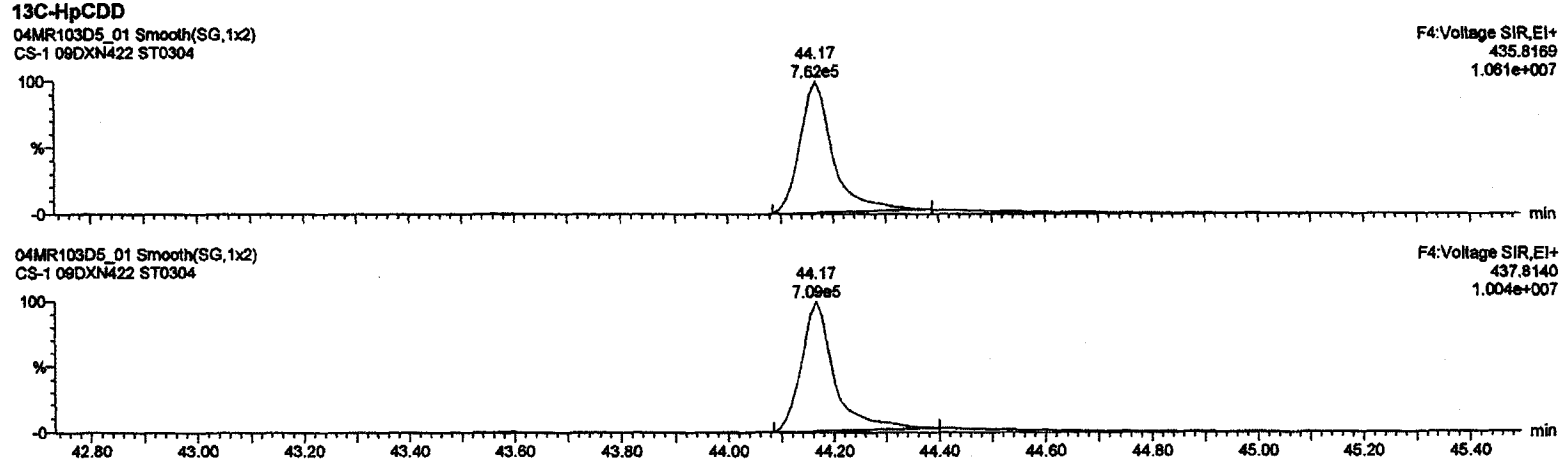


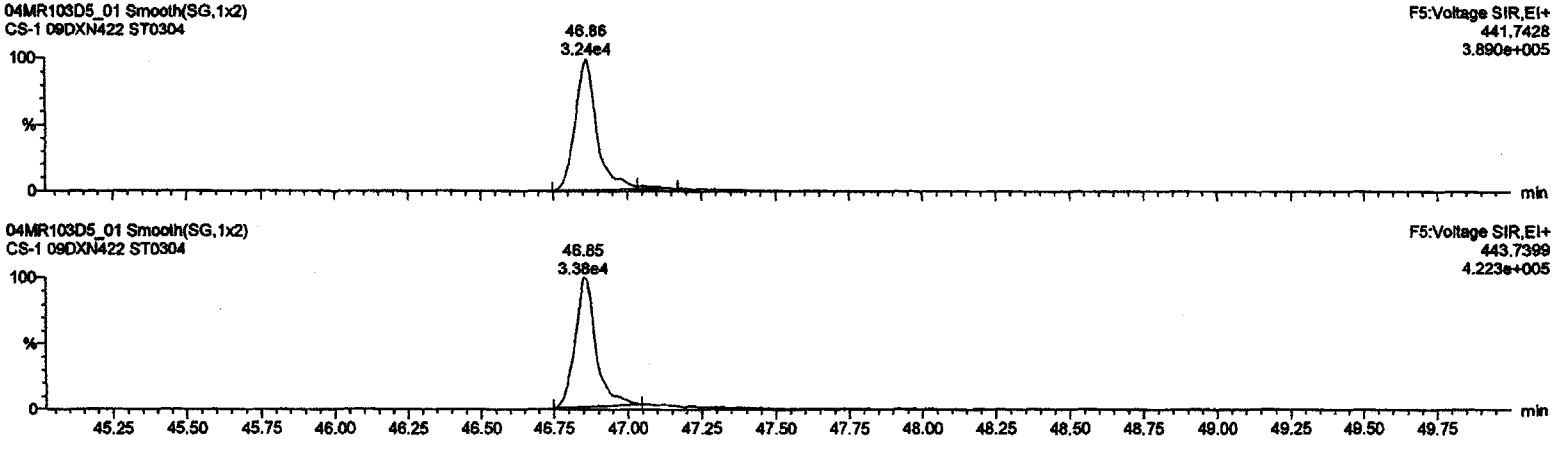
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

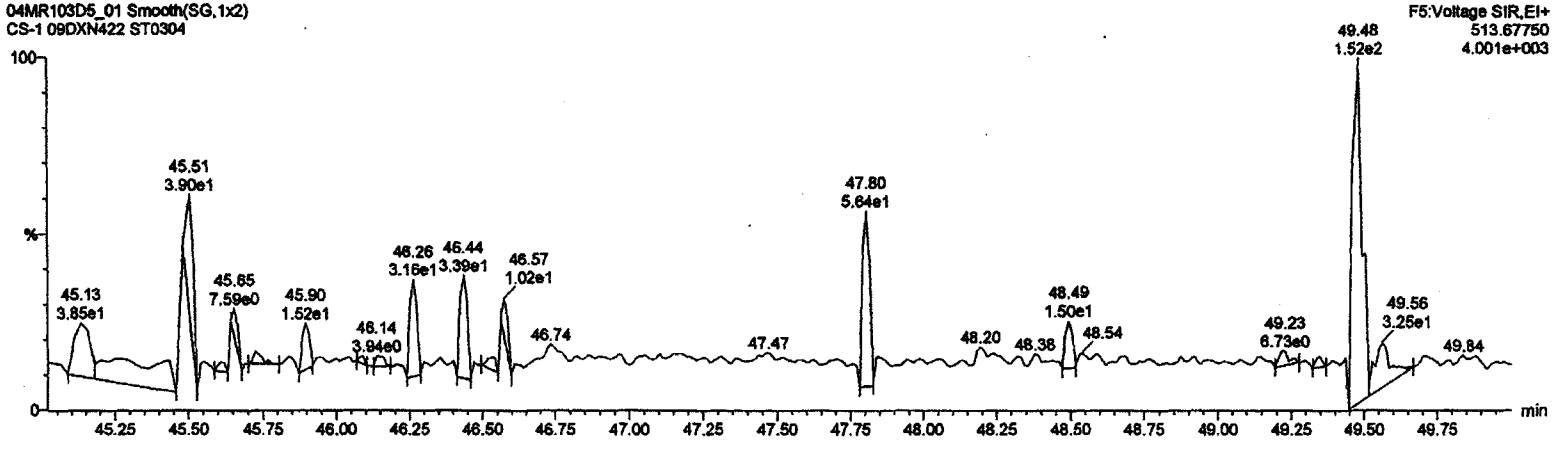
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

OCDFs



OCDF PCDPE



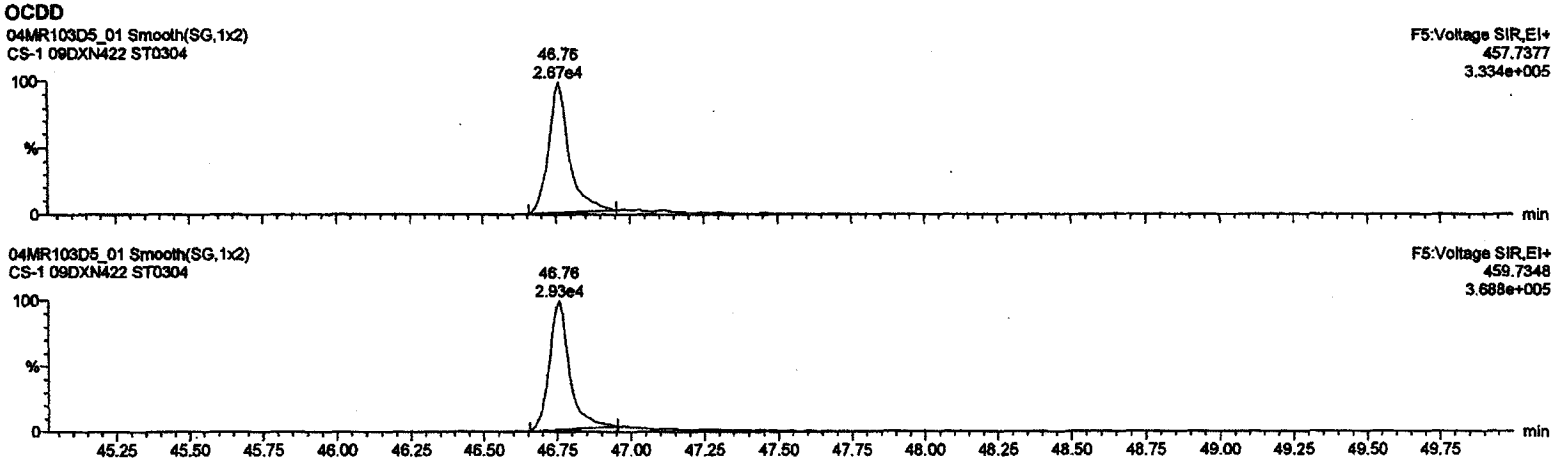
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

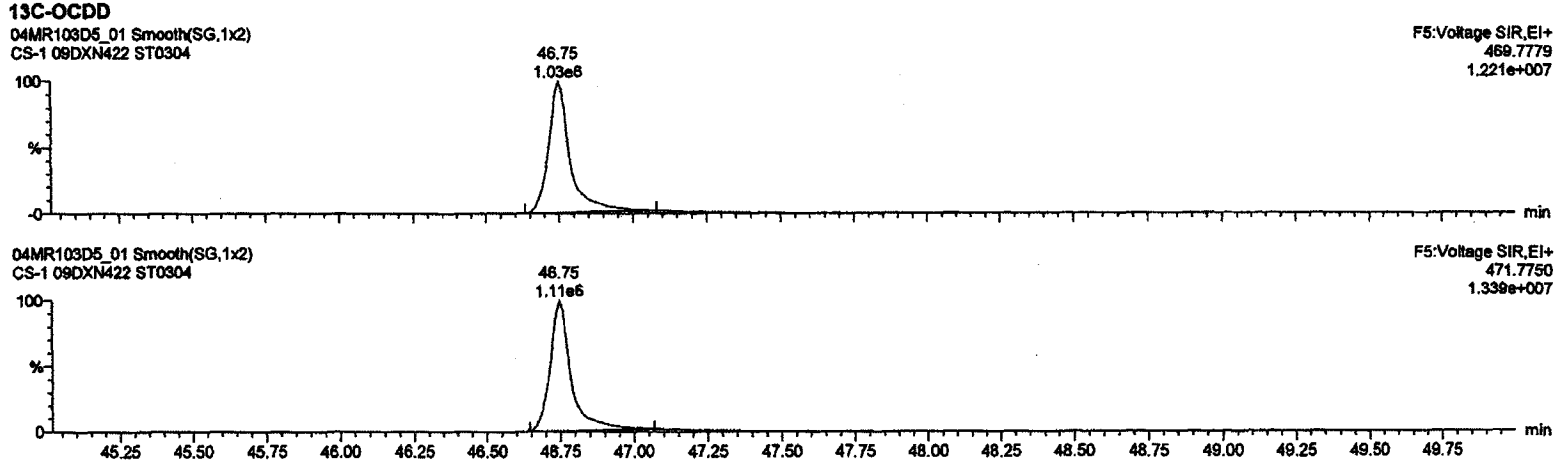
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

OCDD



13C-OCDD



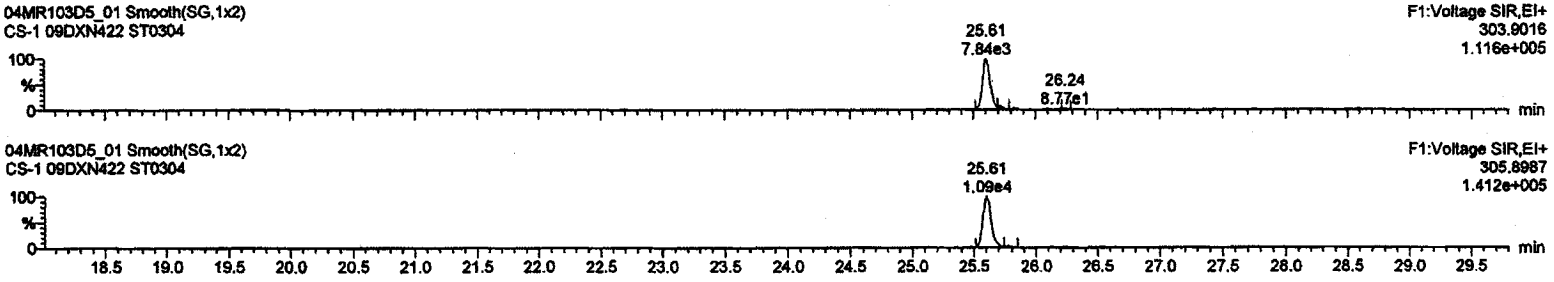
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qid

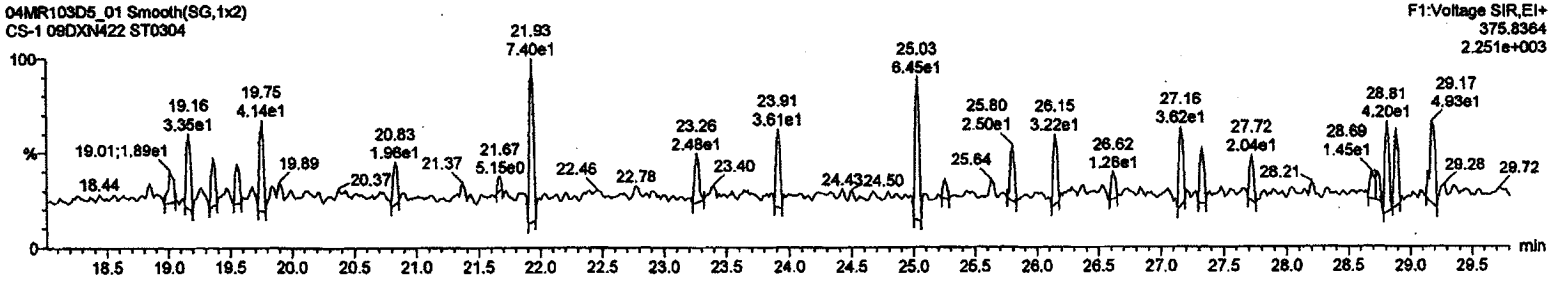
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

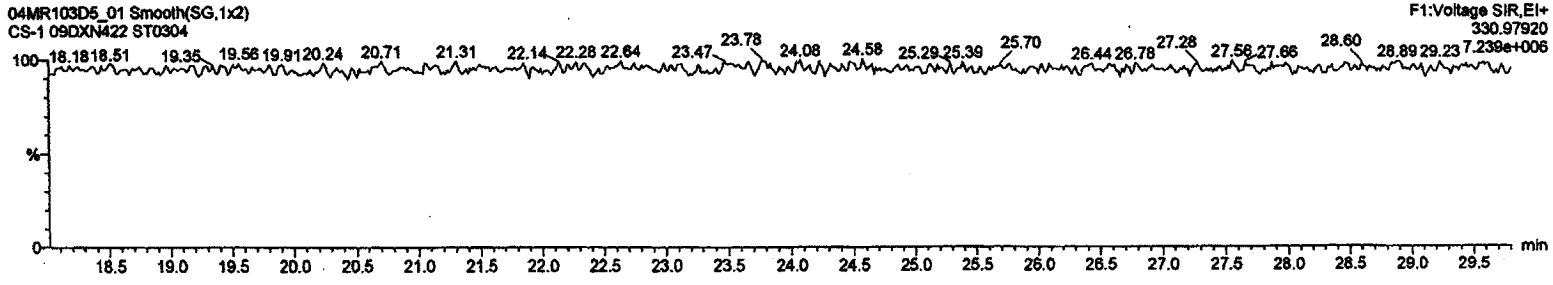
TCDFs



TCDF PCDPE



Function 1 PFK



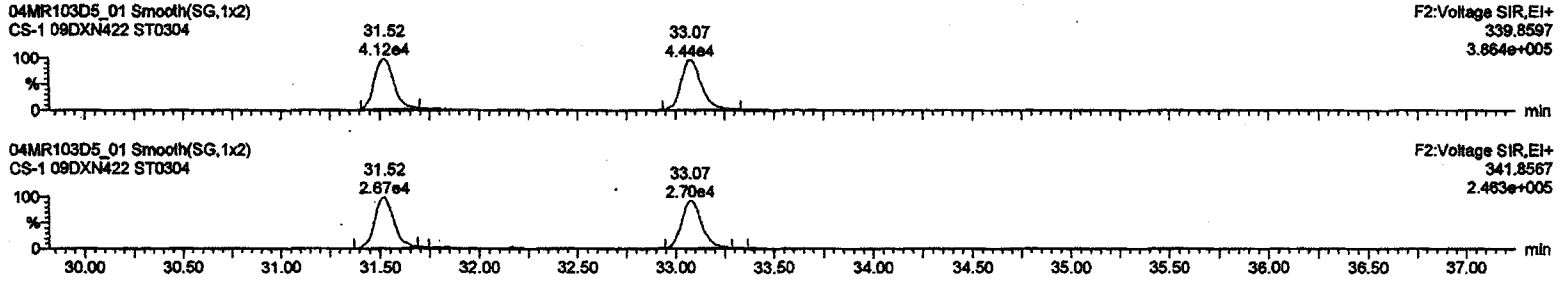
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

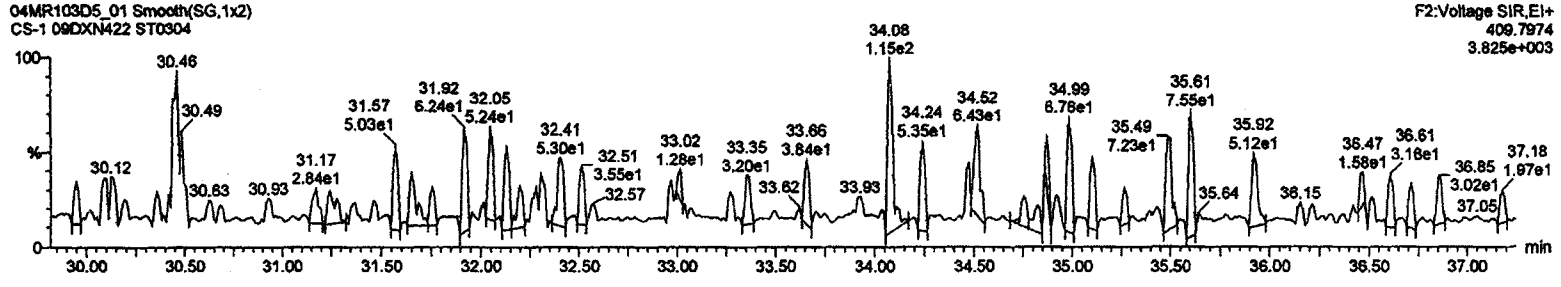
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

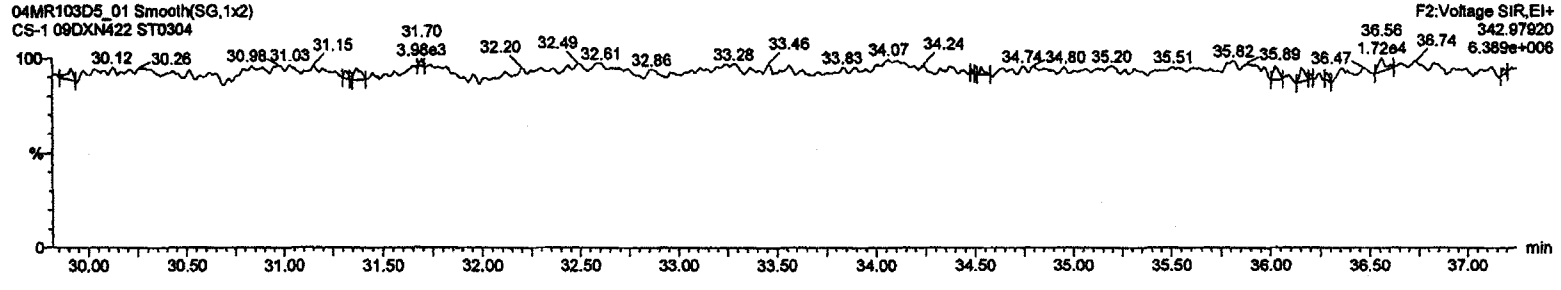
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



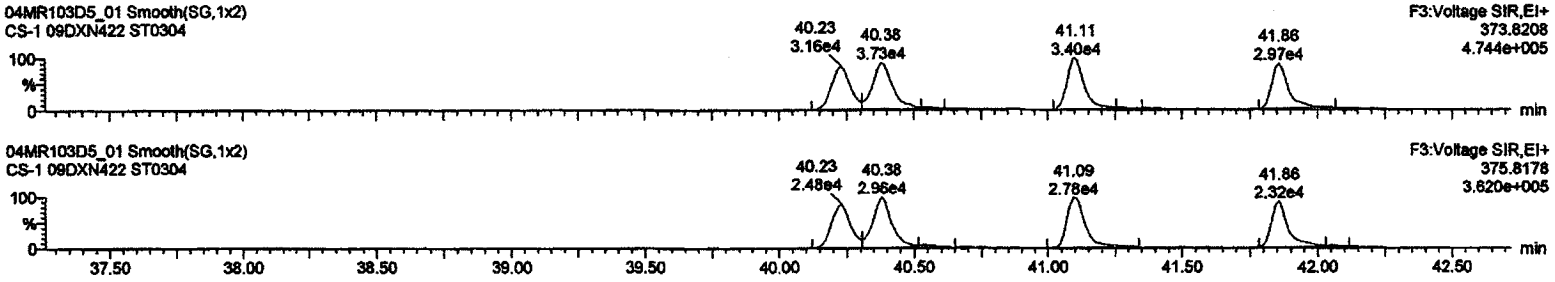
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

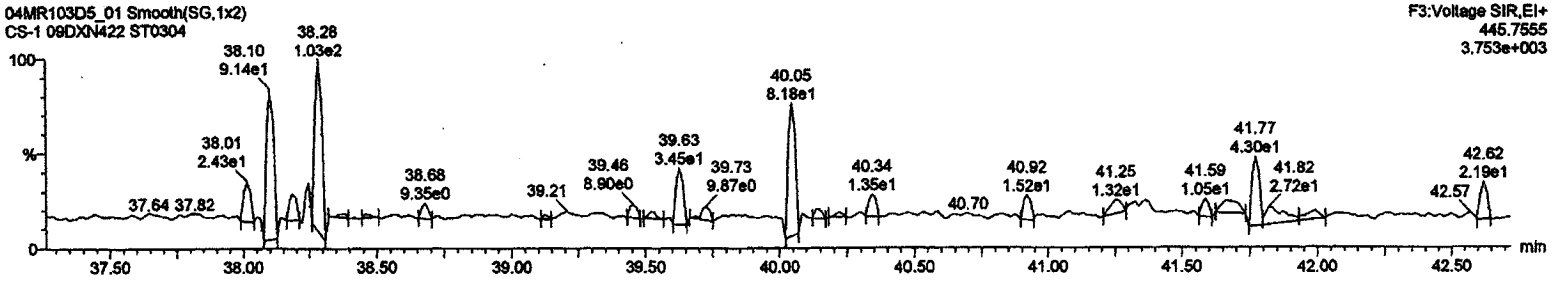
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

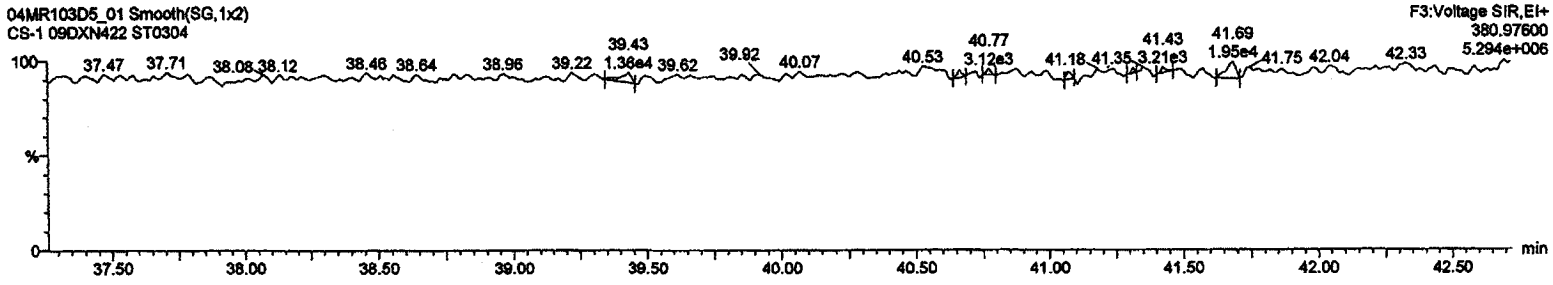
HxCDFs



HxCDF PCDPE



Function 3 PFK



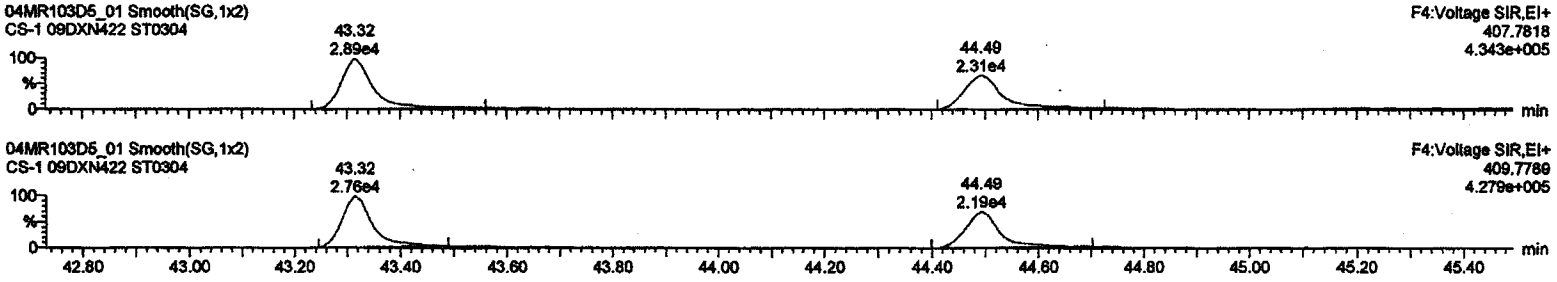
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

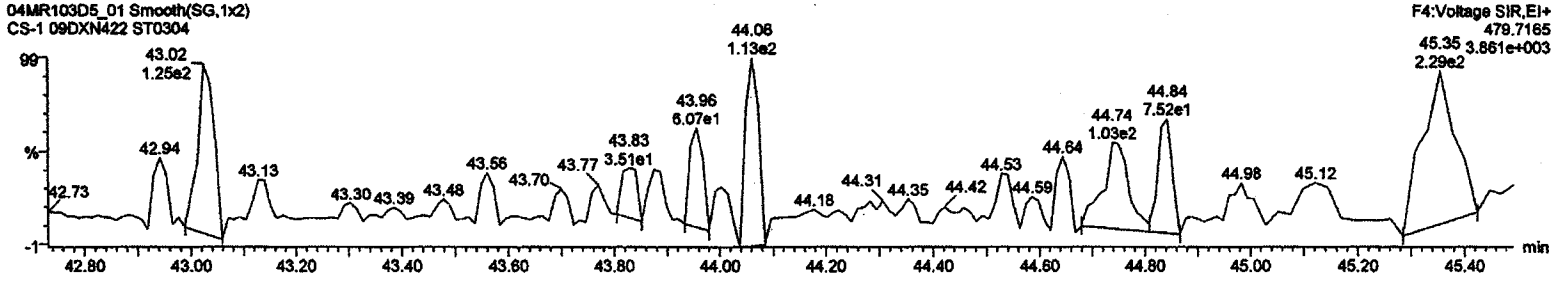
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

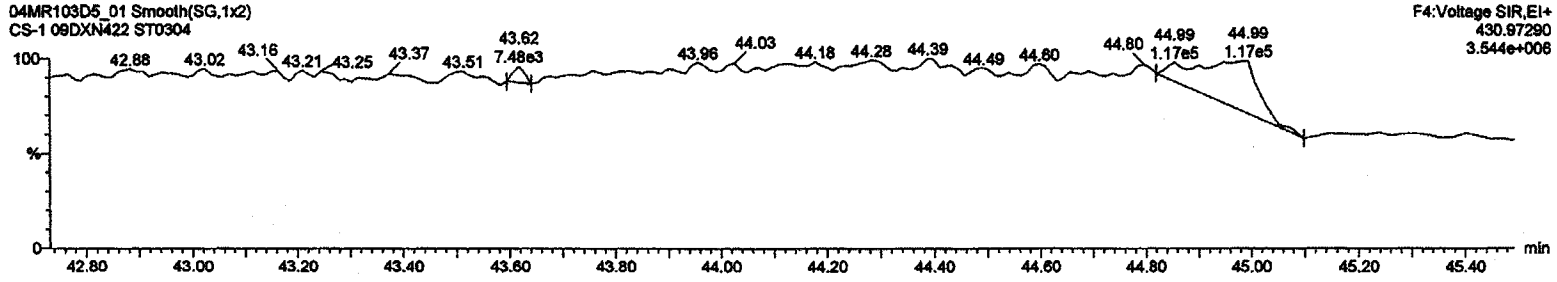
HpCDFs



HpCDF PCDPE



Function 4 PFK



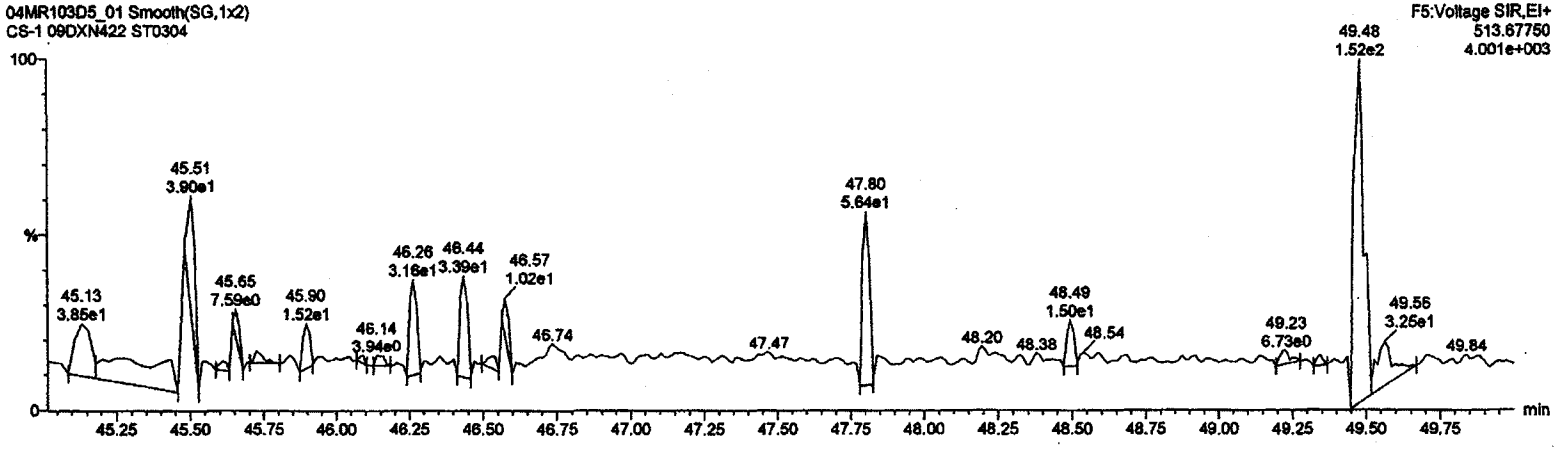
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

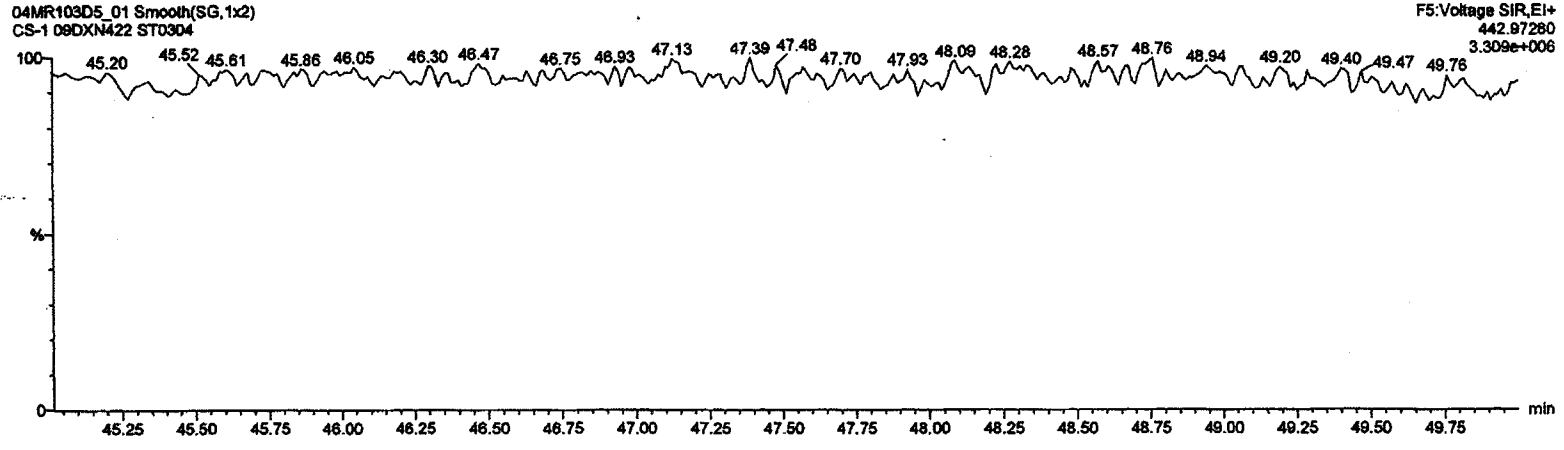
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_01, Date: 04-Mar-2010, Time: 11:08:50, ID: ST0304, Description: CS-1 09DXN422

OCDF PCDPE



Function 5 PFK



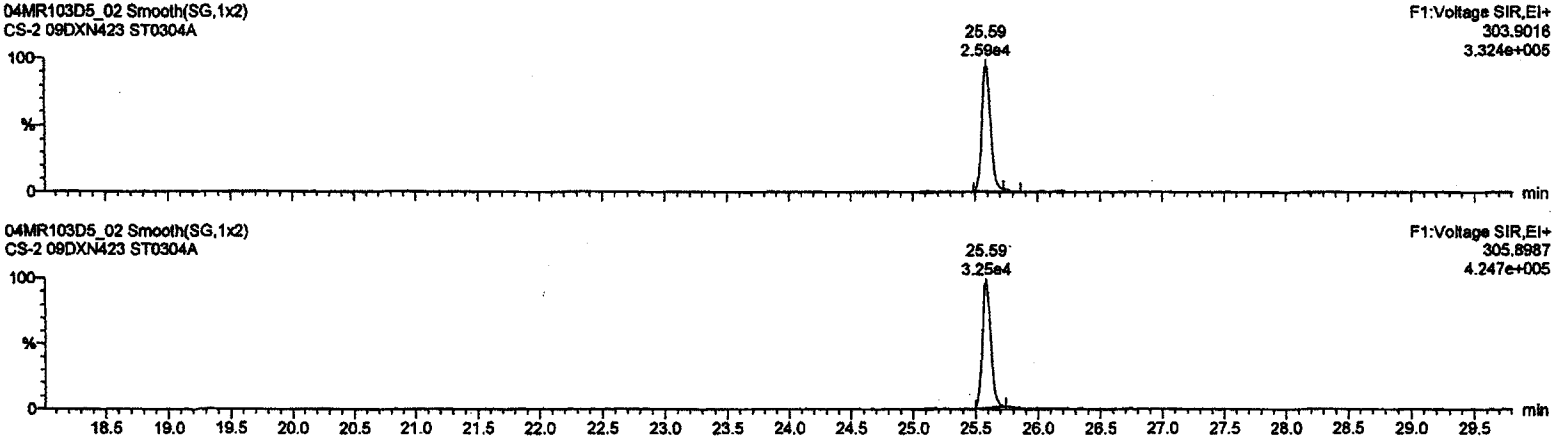
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

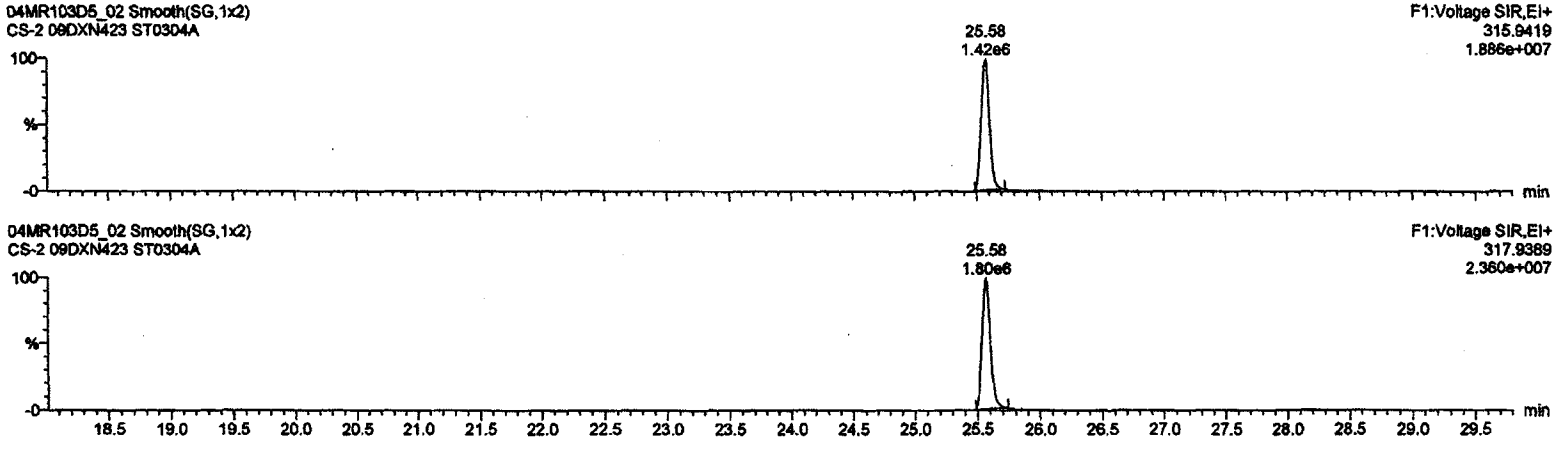
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

TCDFs



13C-TCDF



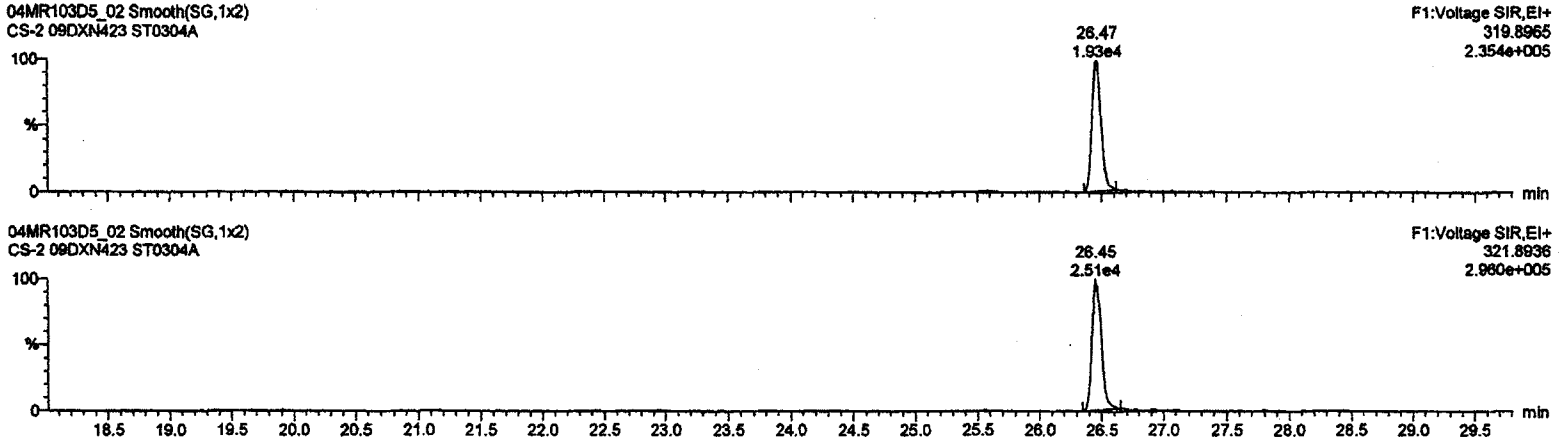
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

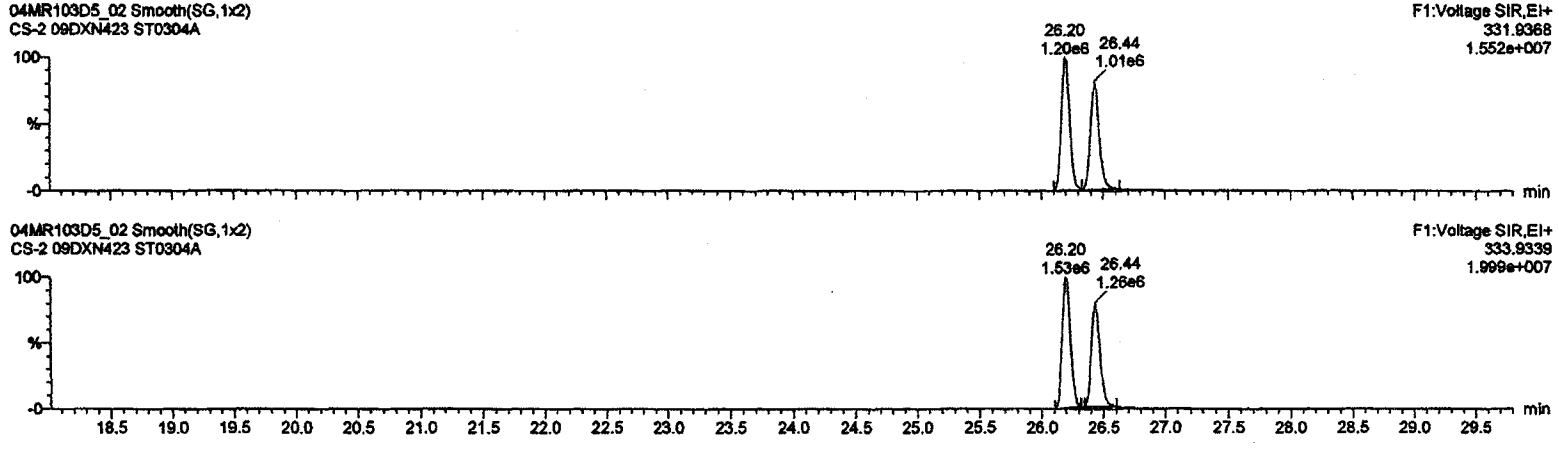
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

TCDDs



13C-TCDDs



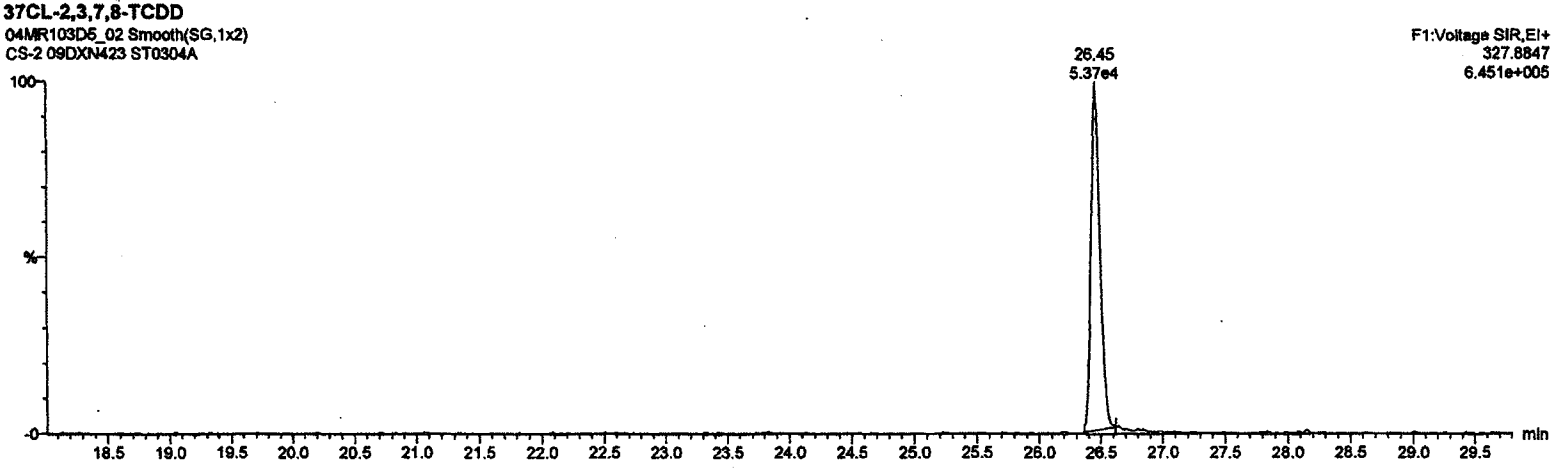
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

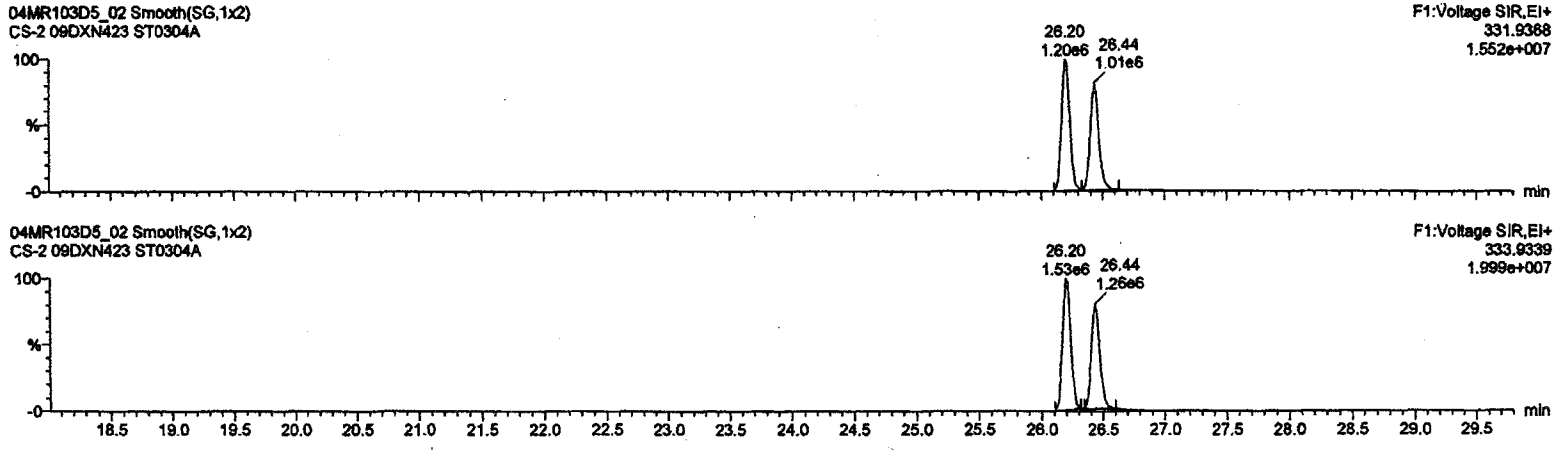
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

37CL-2,3,7,8-TCDD



13C-TCDDs



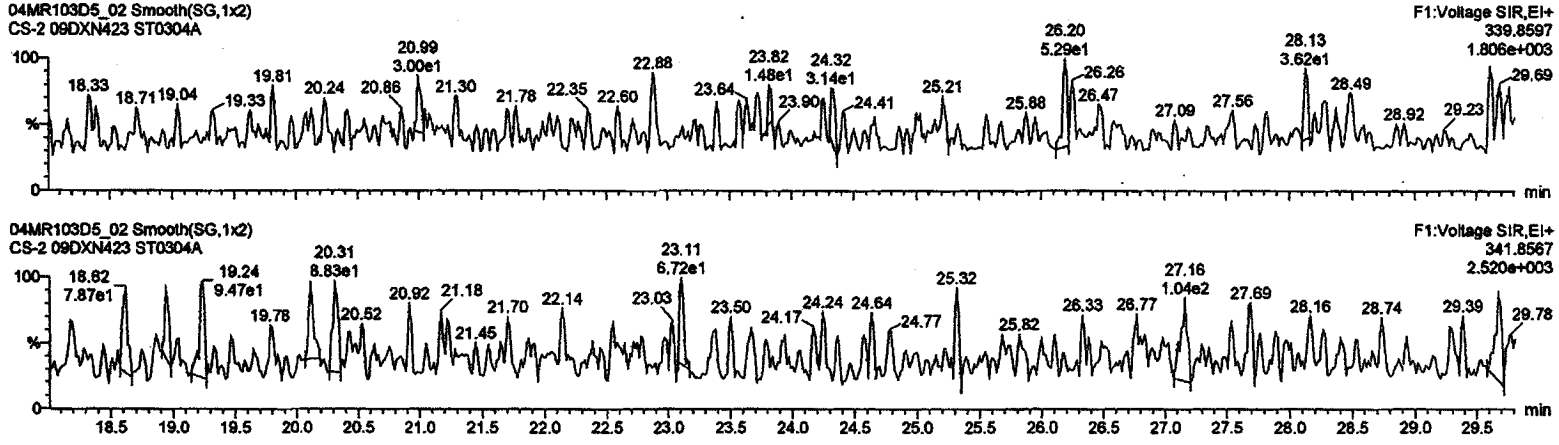
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

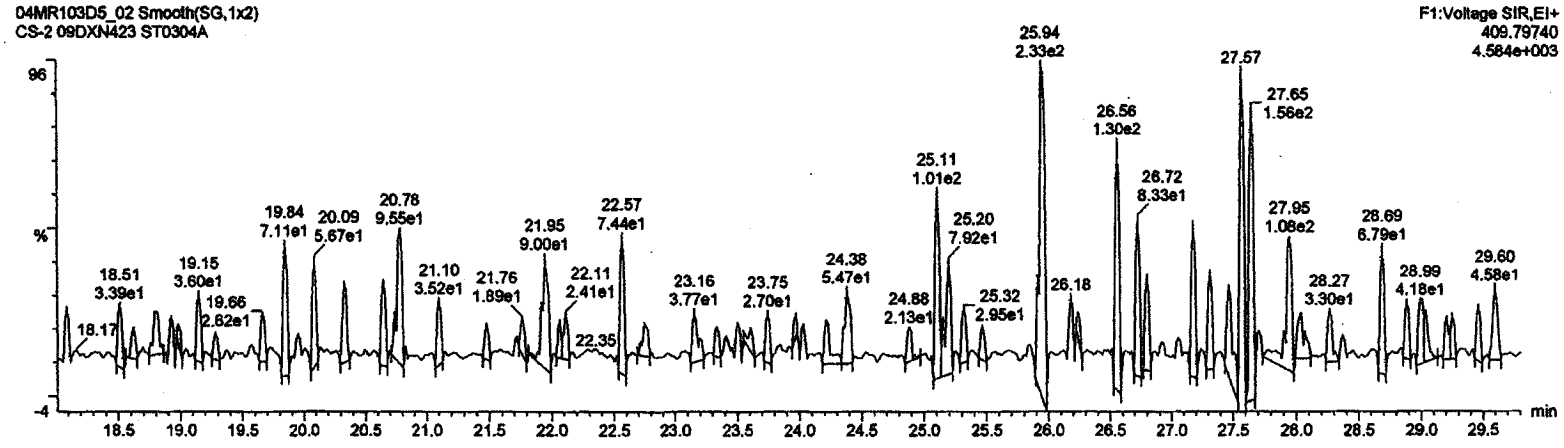
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

F1 PeCDFs



F1 PeCDF PCDPE



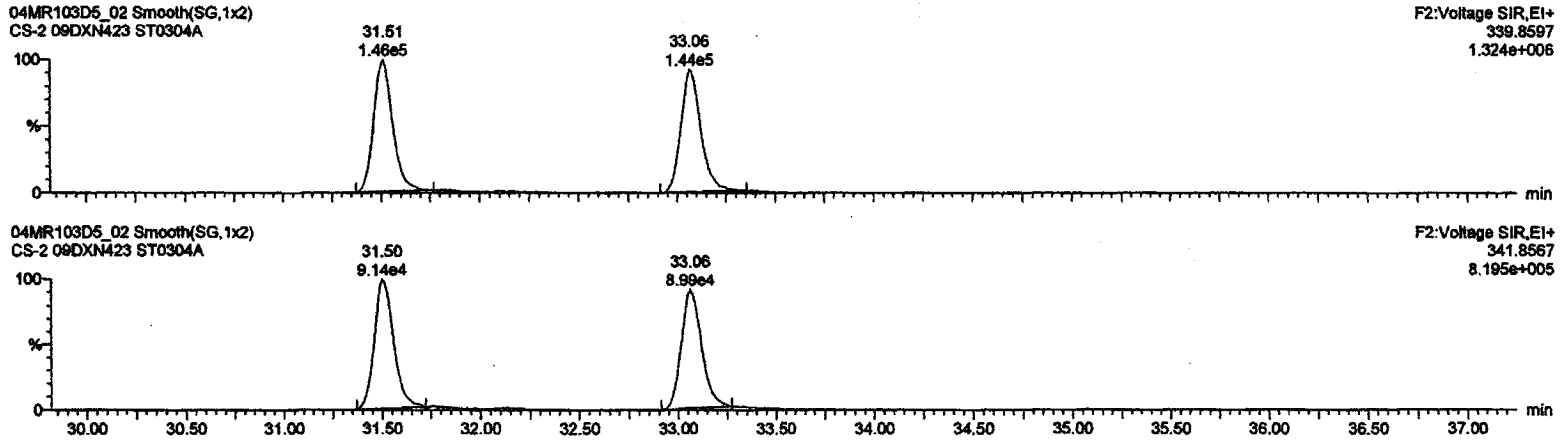
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

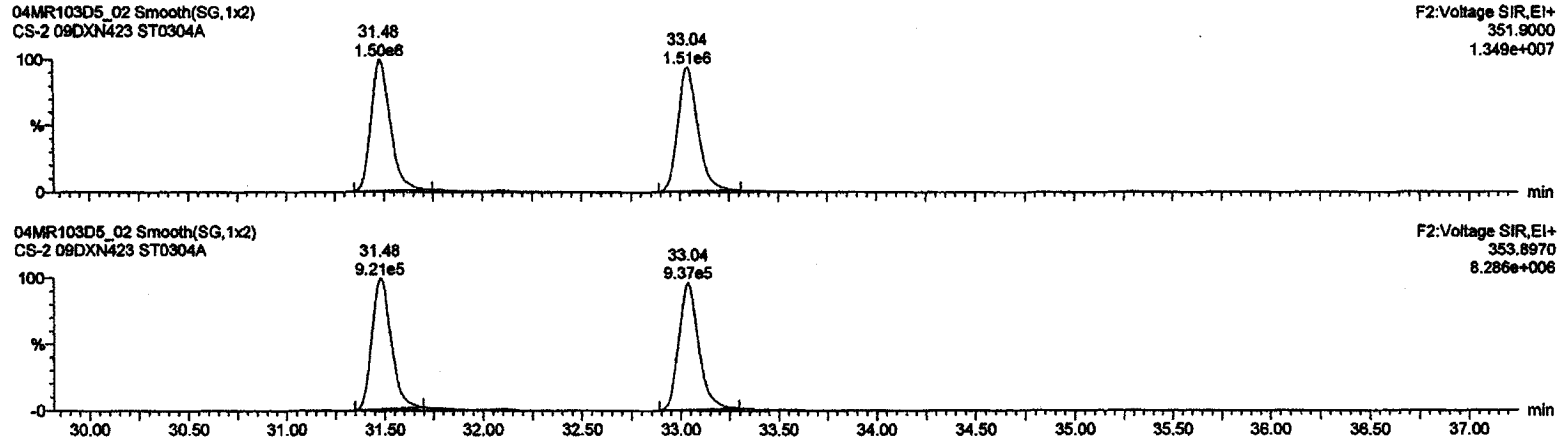
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

PeCDFs



13C-PeCDFs



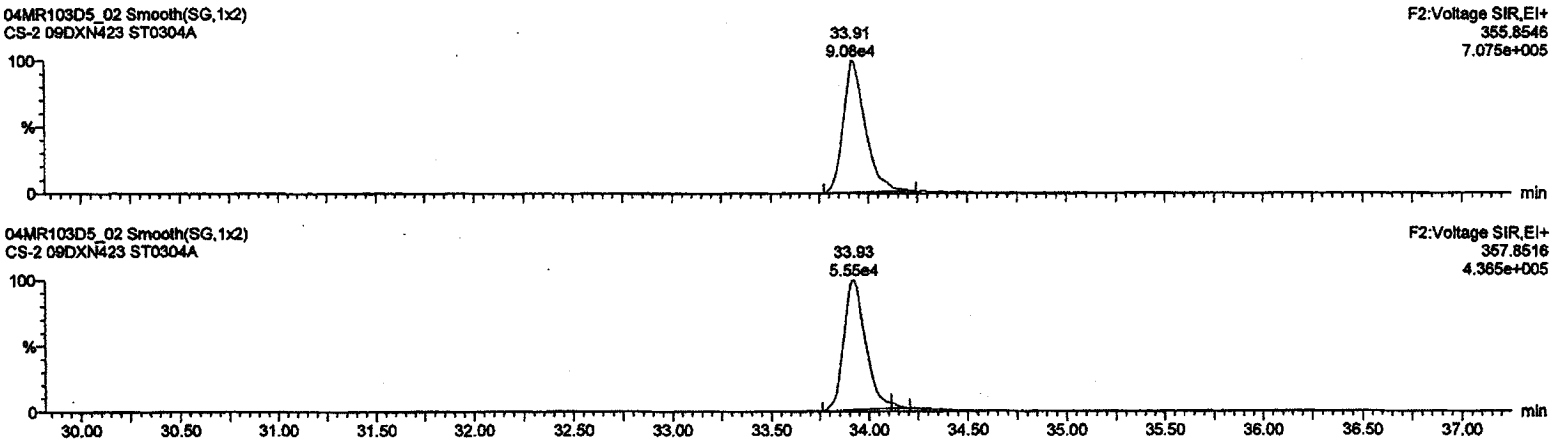
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

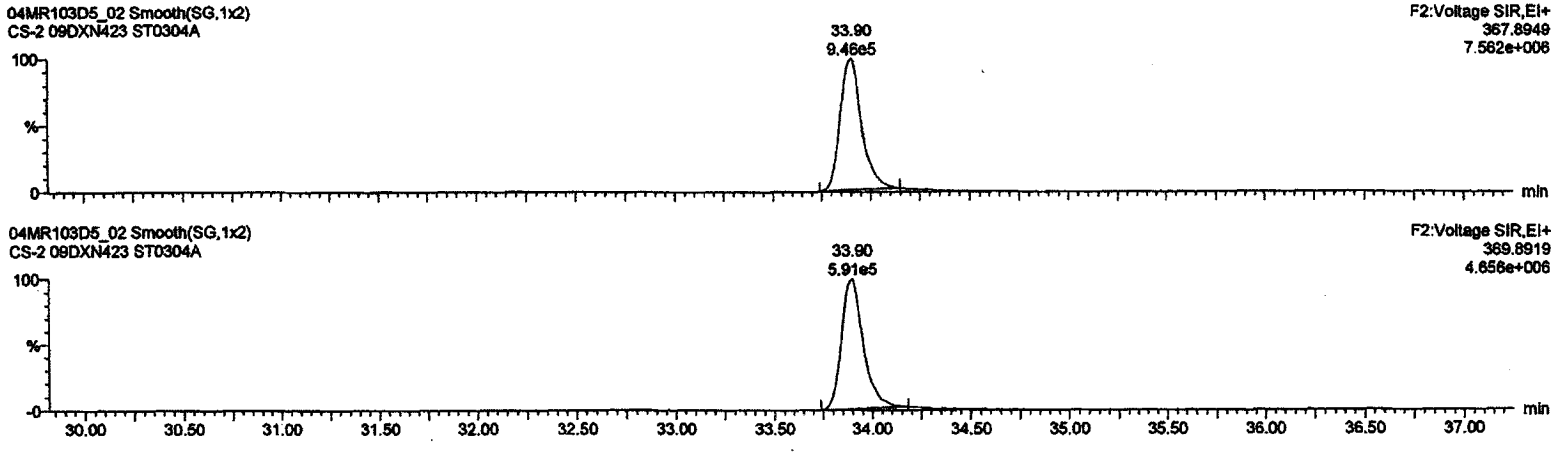
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

PeCDDs



13C-PeCDD



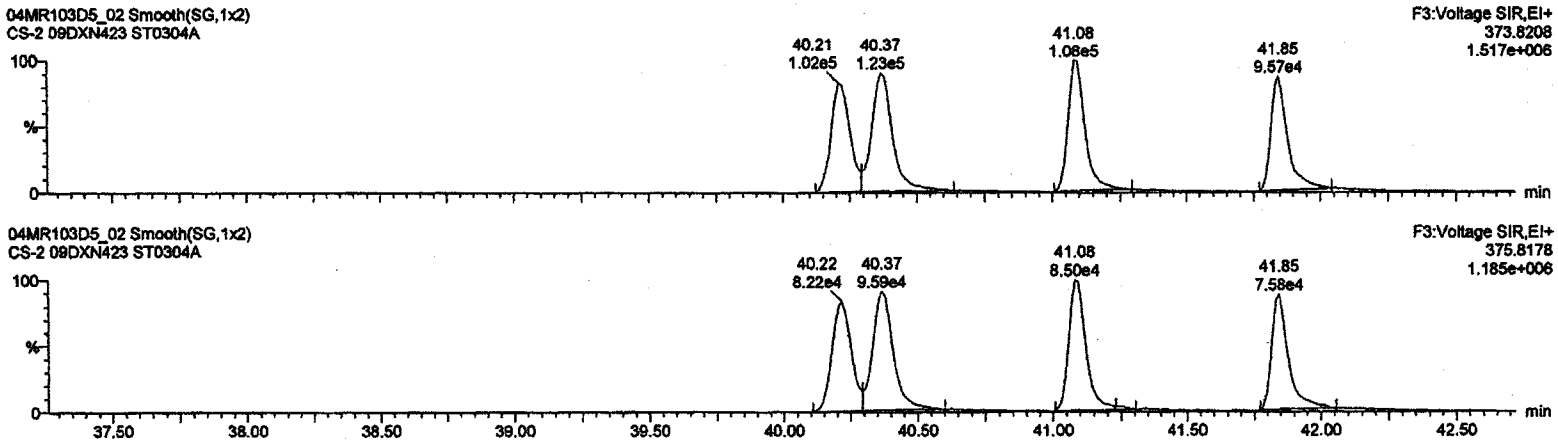
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

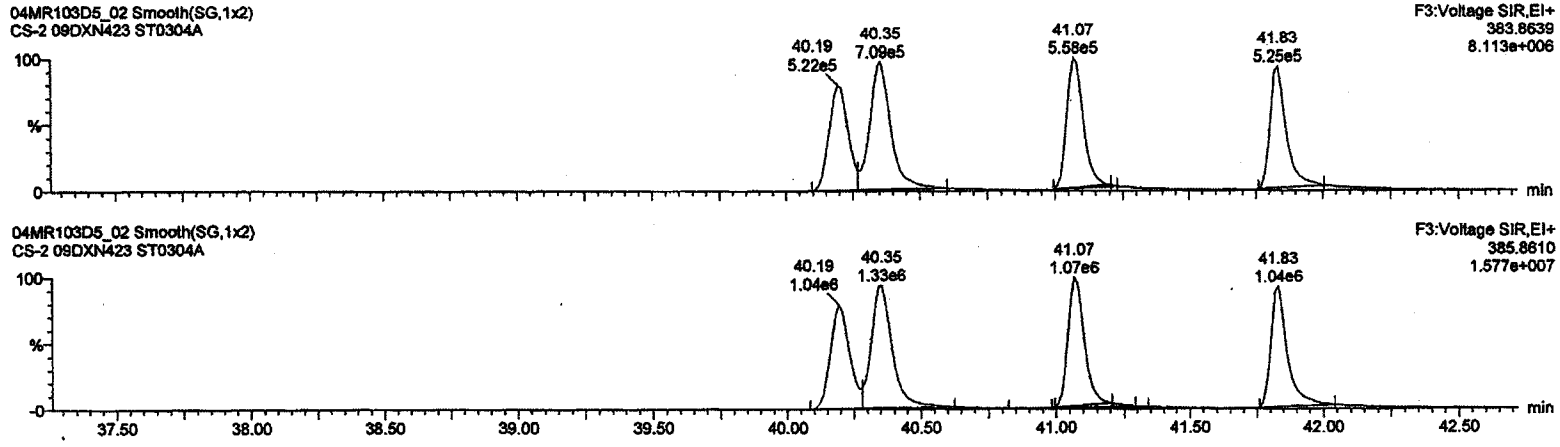
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

HxCDFs



13C-HxCDFs



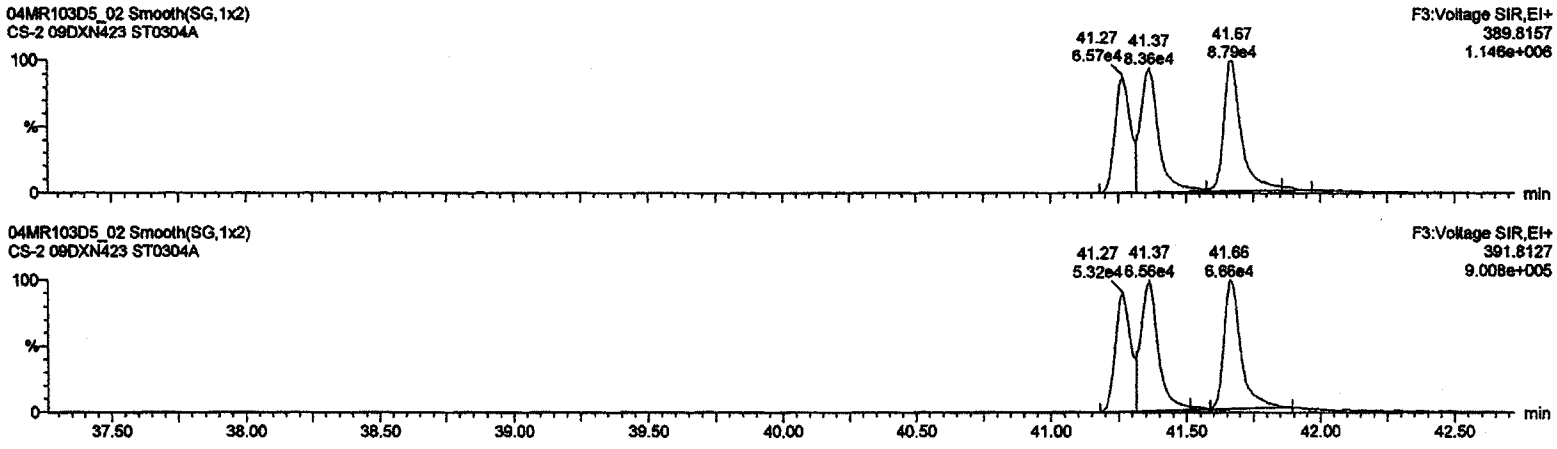
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

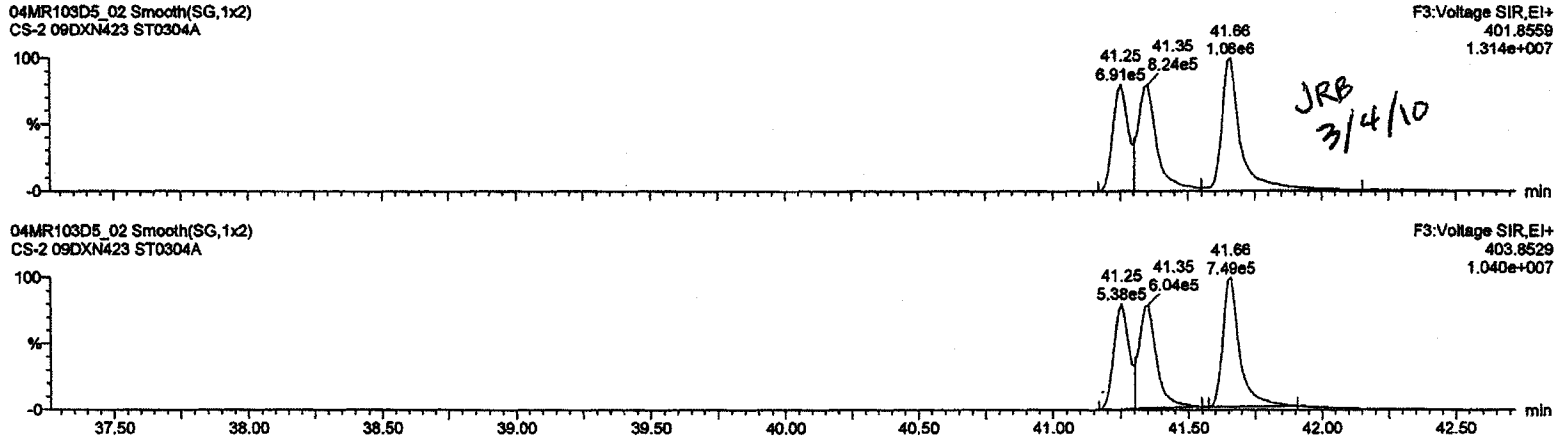
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

HxCDDs



13C-HxCDDs



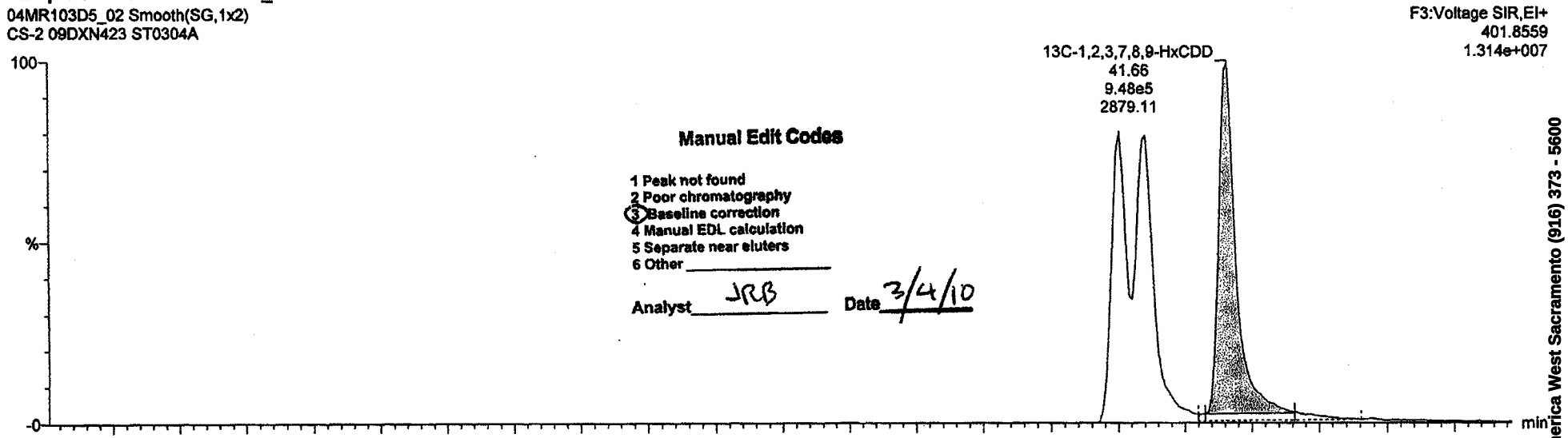
Quantify Compound Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:31:45 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:32:13 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: 04 Mar 2010 15:31:45

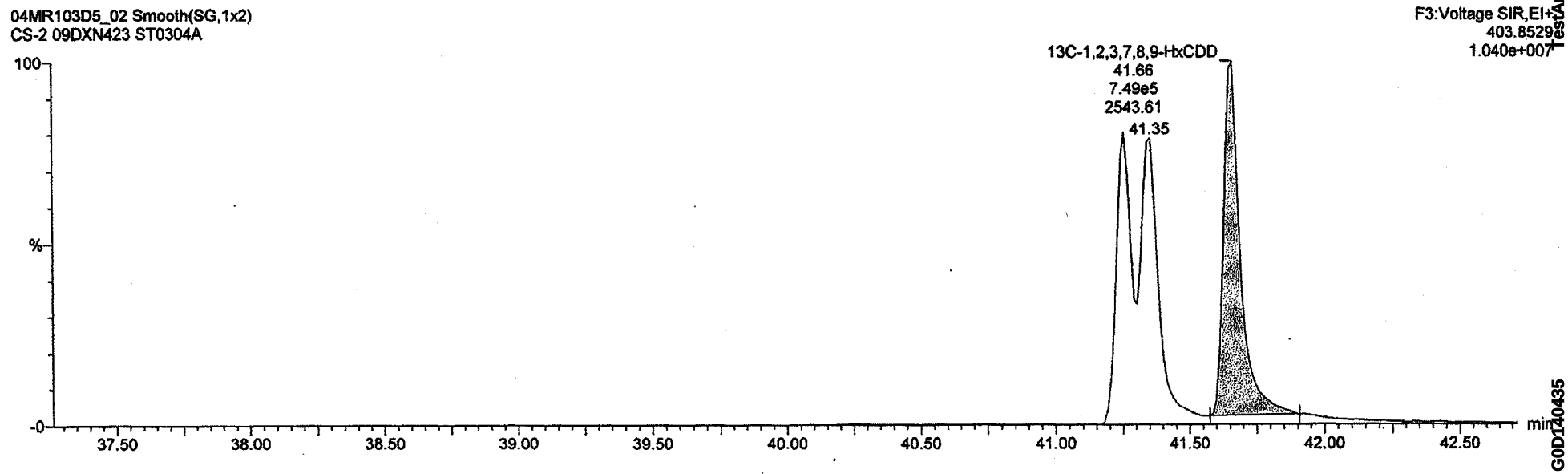
Sample Name: 04MR103D5_02



Manual Edit Codes

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

Analyst JRB Date 3/4/10



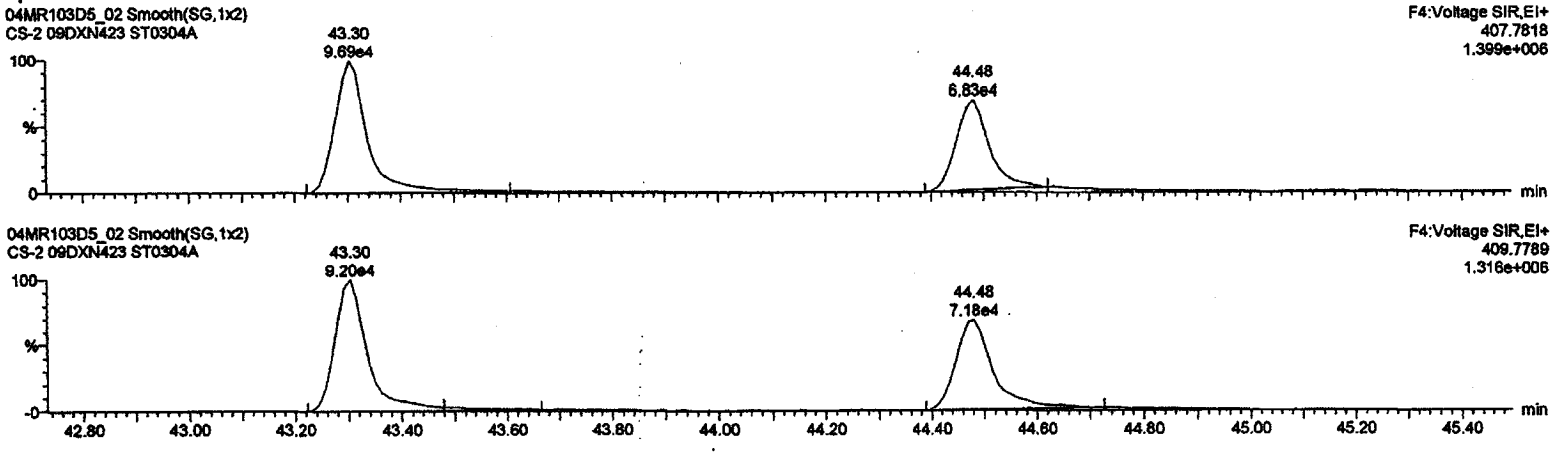
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

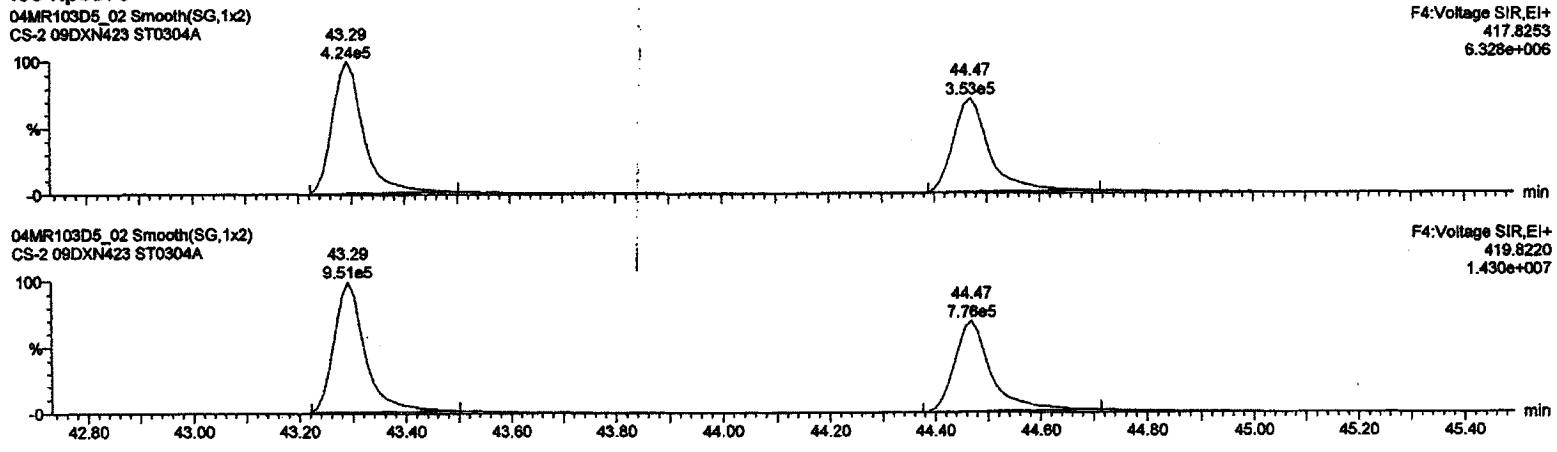
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

HpCDFs



13C-HpCDFs



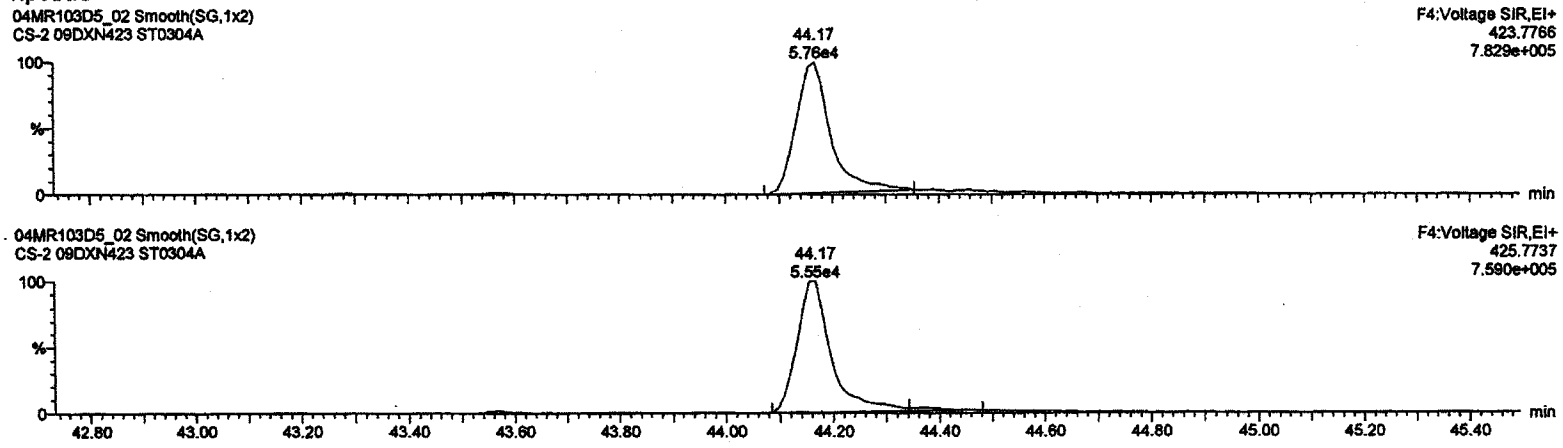
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

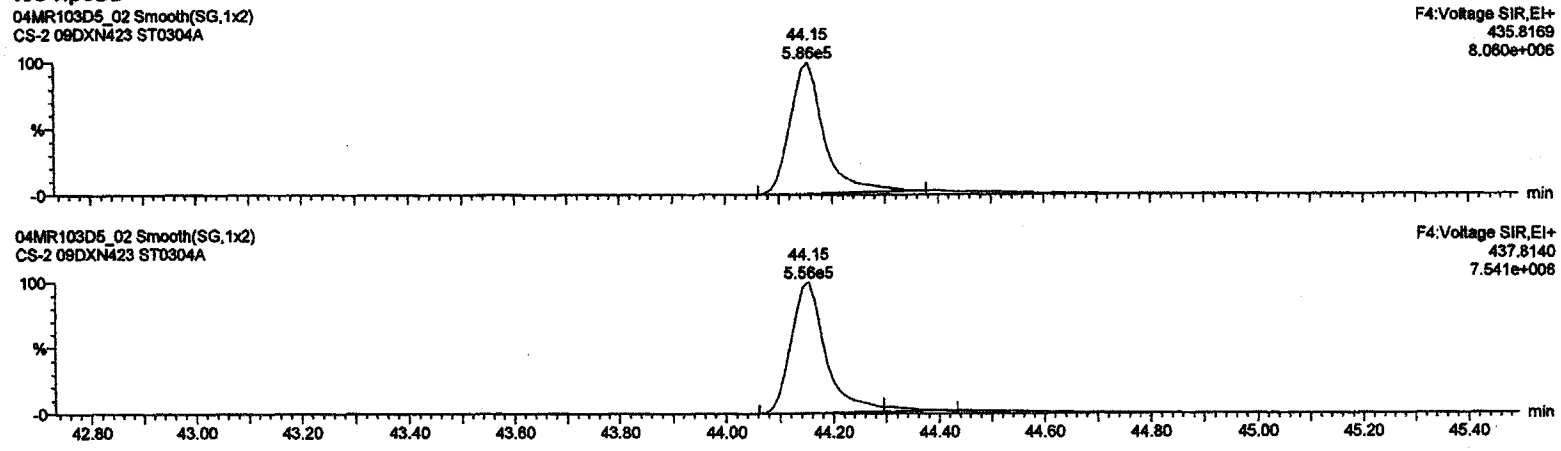
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

HpCDDs



13C-HpCDD



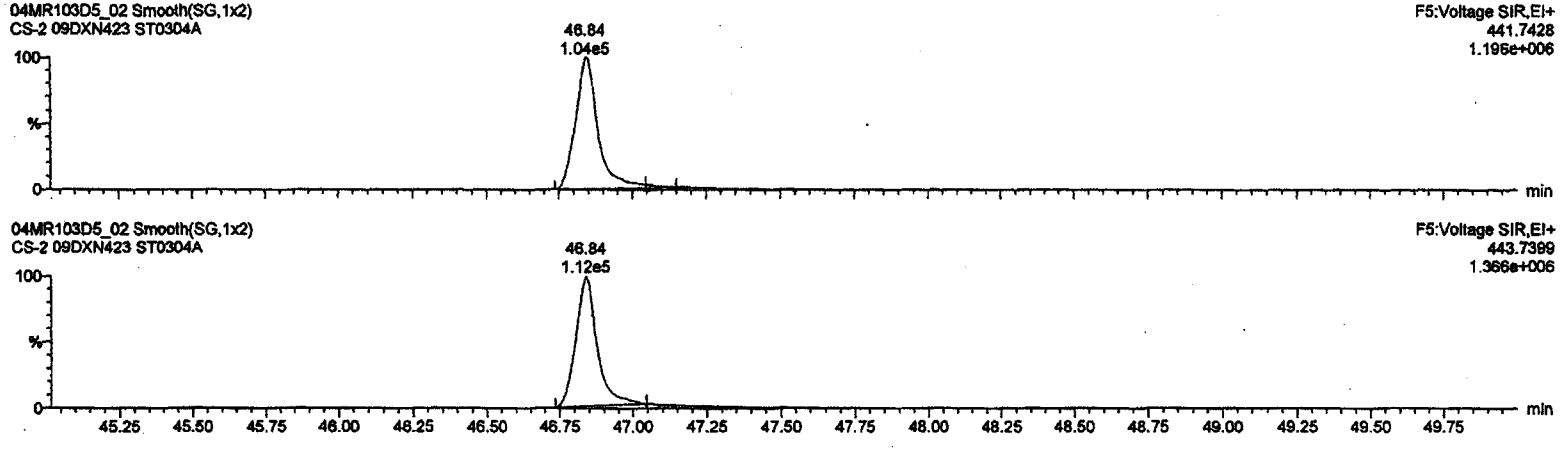
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

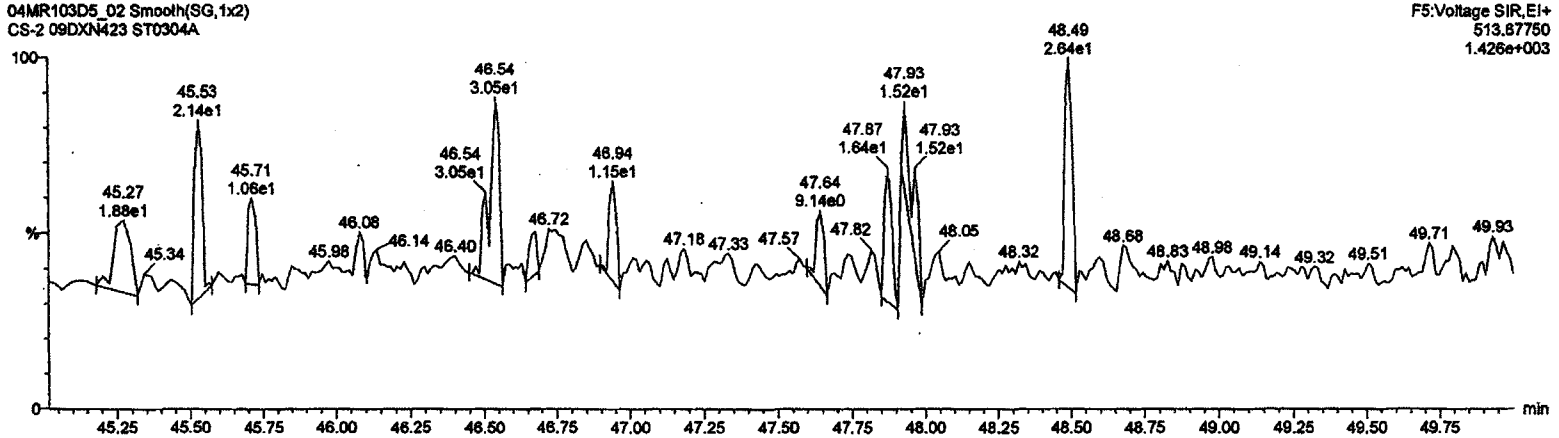
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

OCDFs



OCDF PCDPE



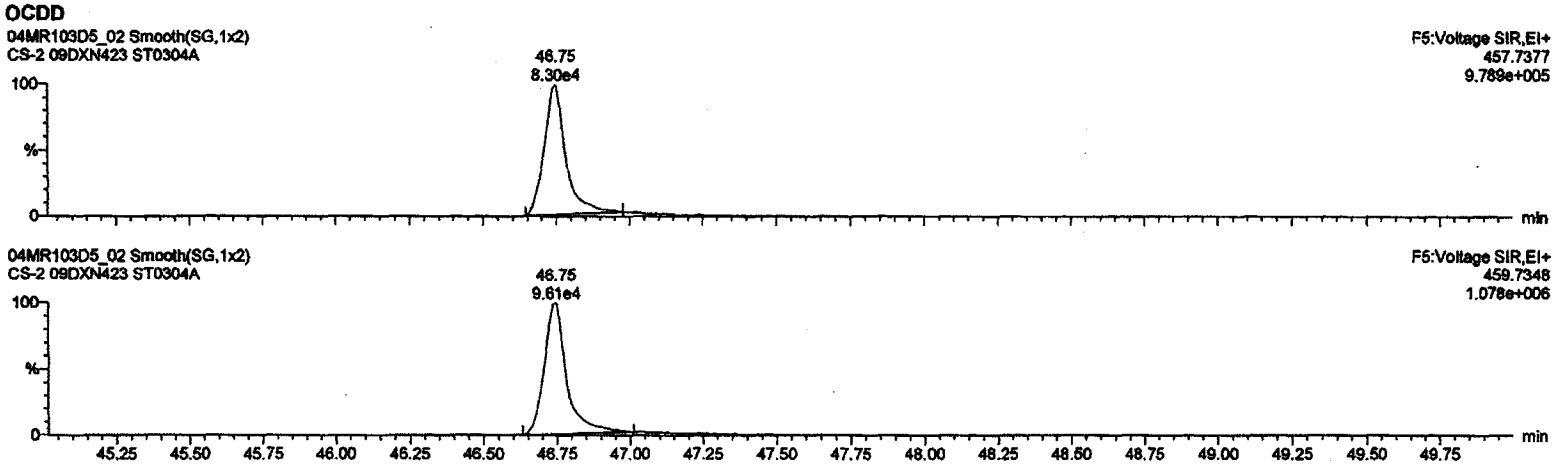
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

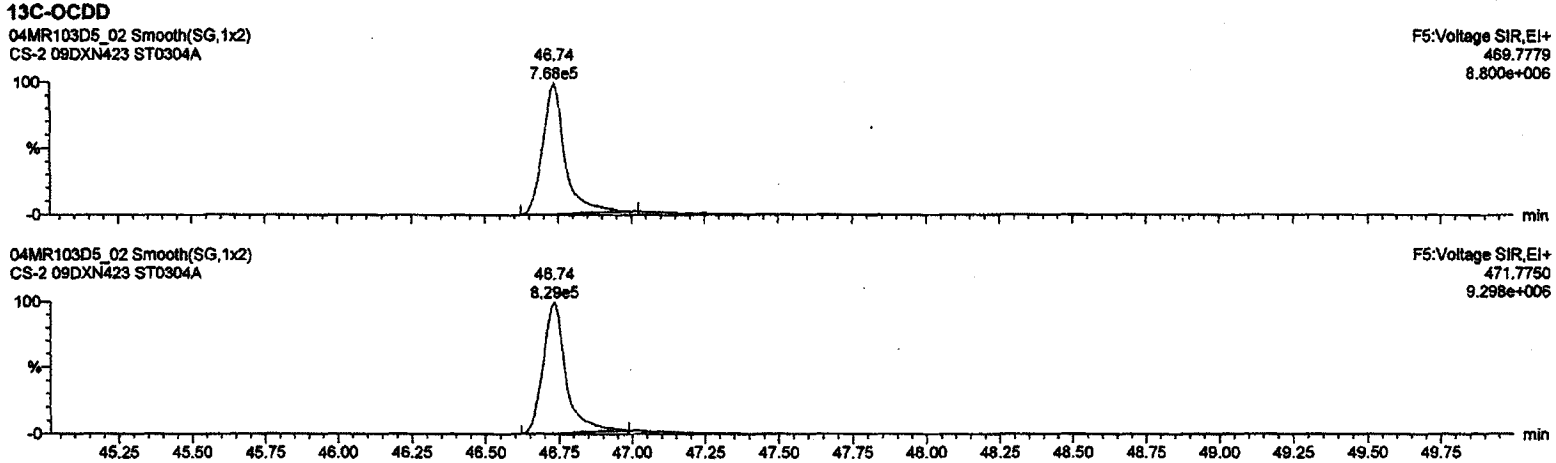
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

OCDD



13C-OCDD



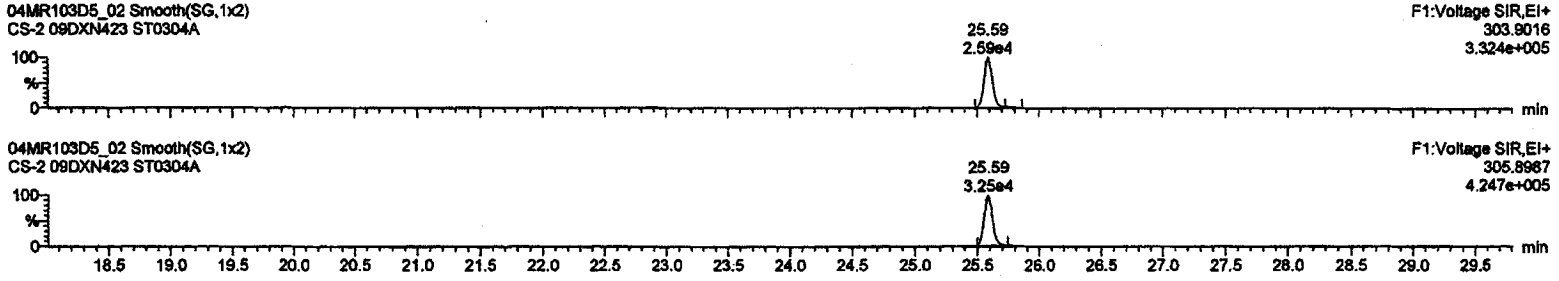
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

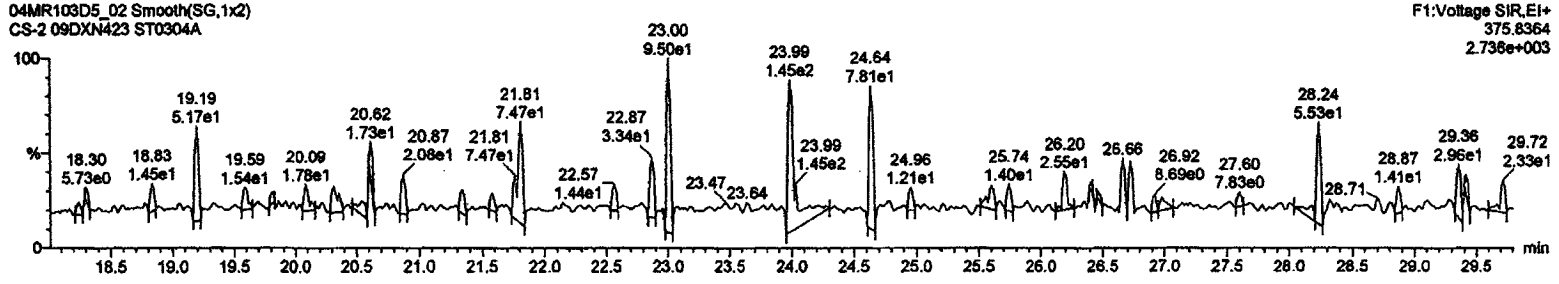
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

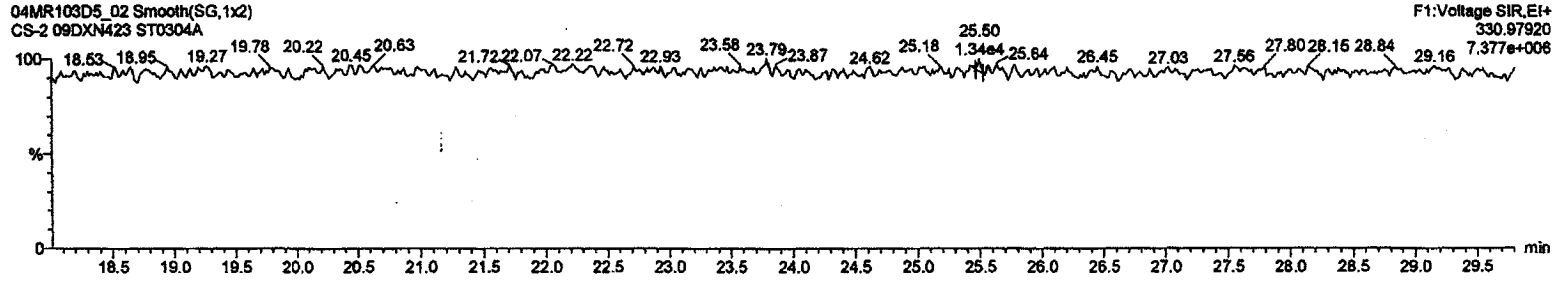
TCDFs



TCDF PCDPE



Function 1 PFK



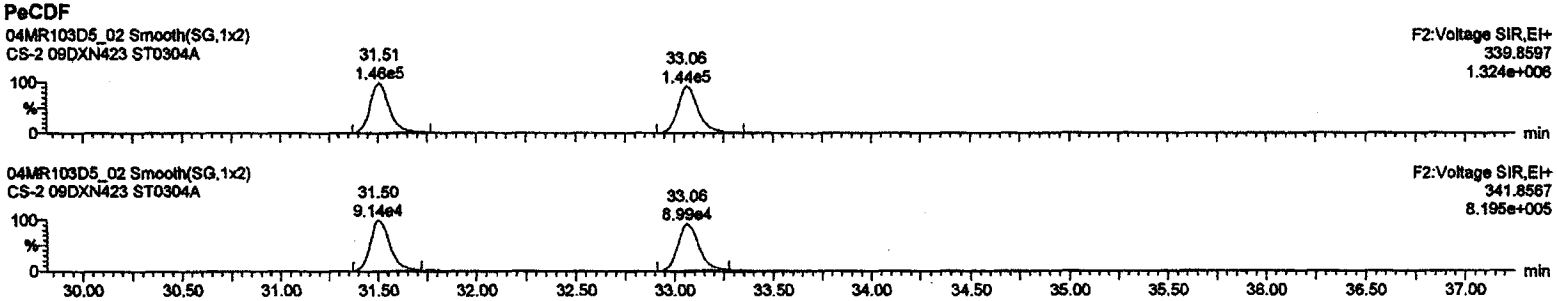
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA030420103D51613OCDF25.qld

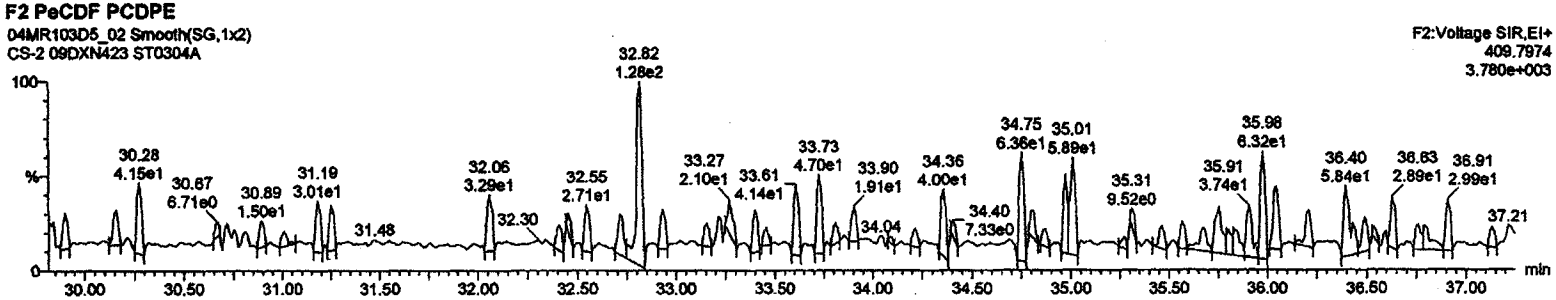
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

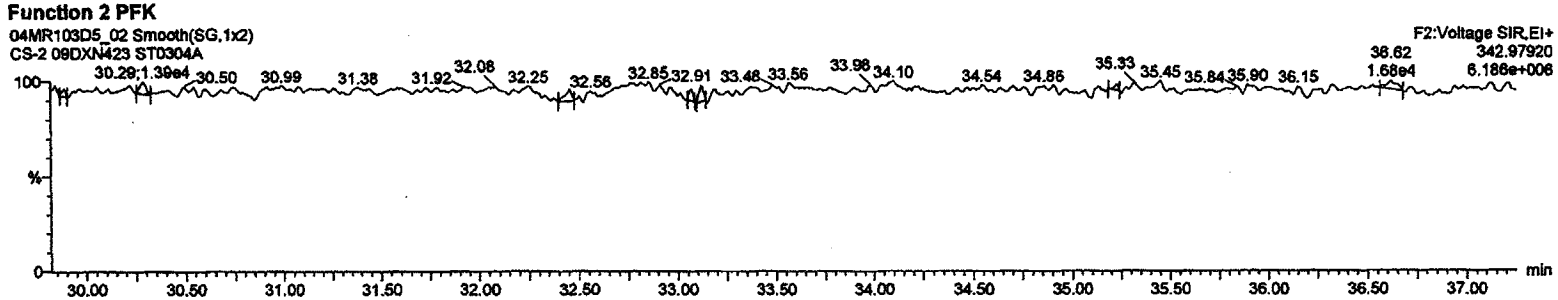
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



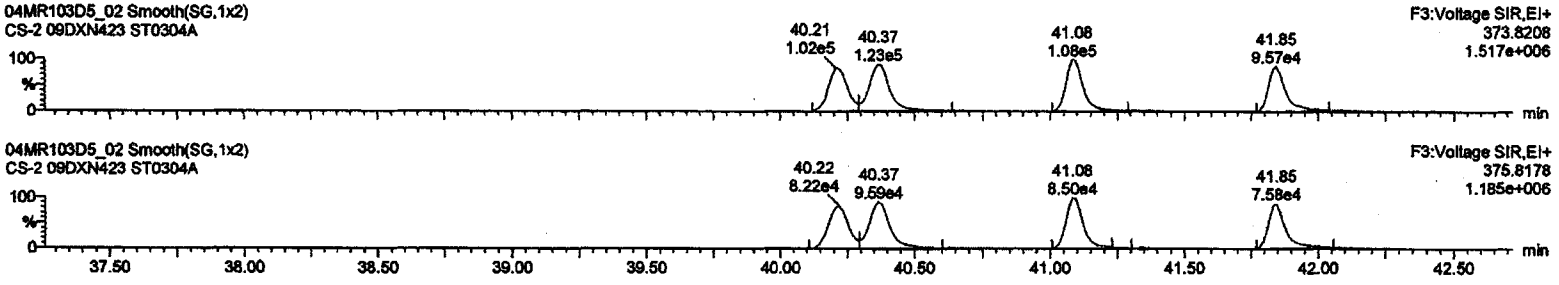
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

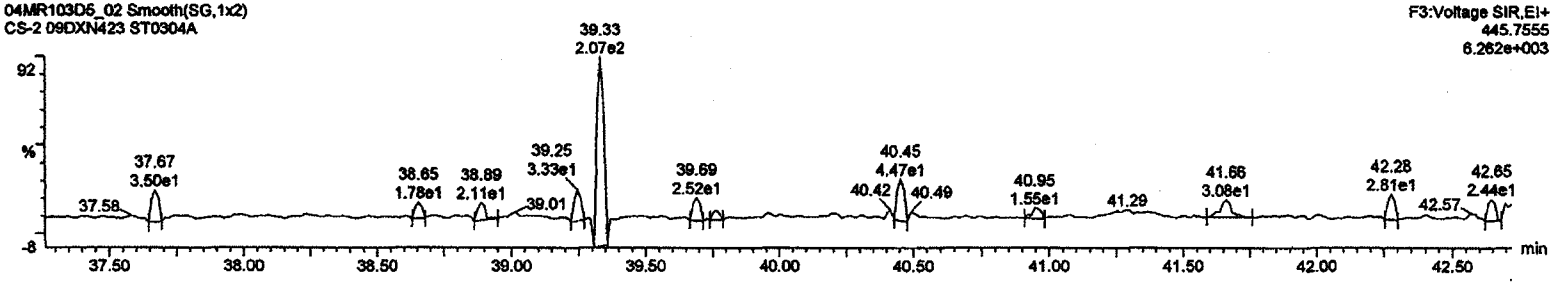
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

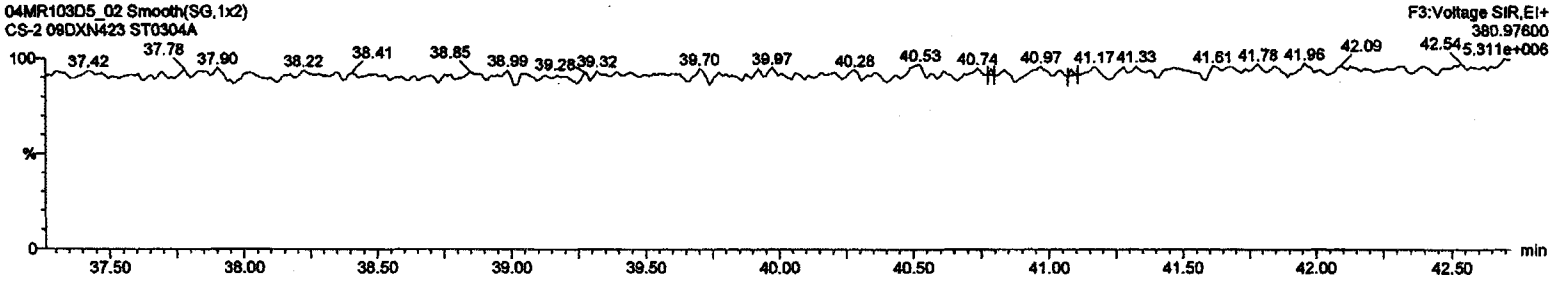
HxCDFs



HxCDF PCDPE



Function 3 PFK



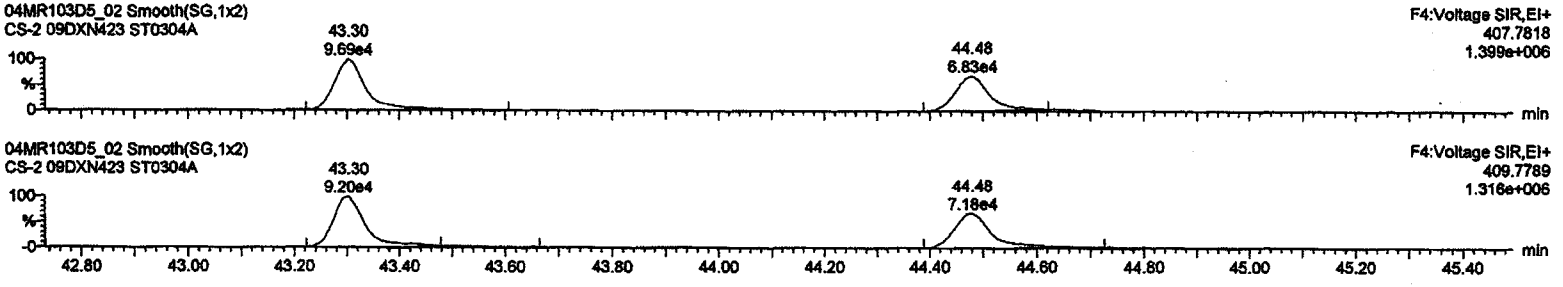
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

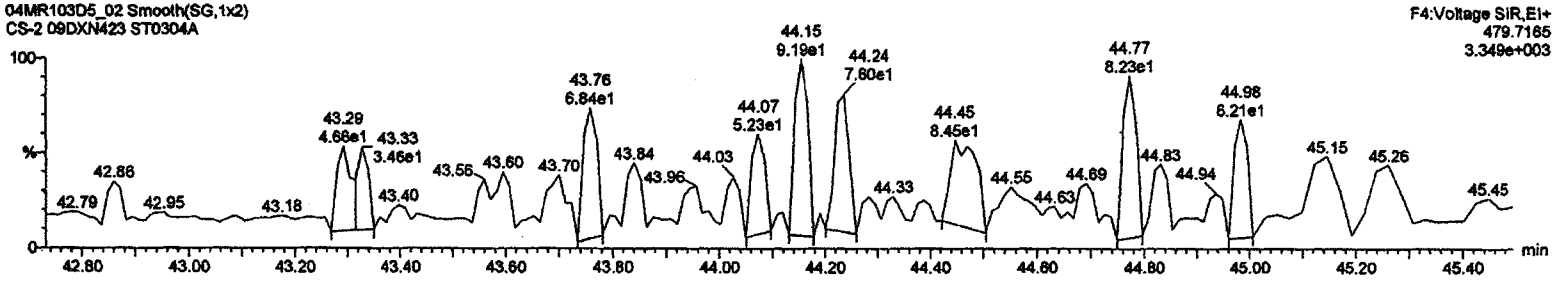
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

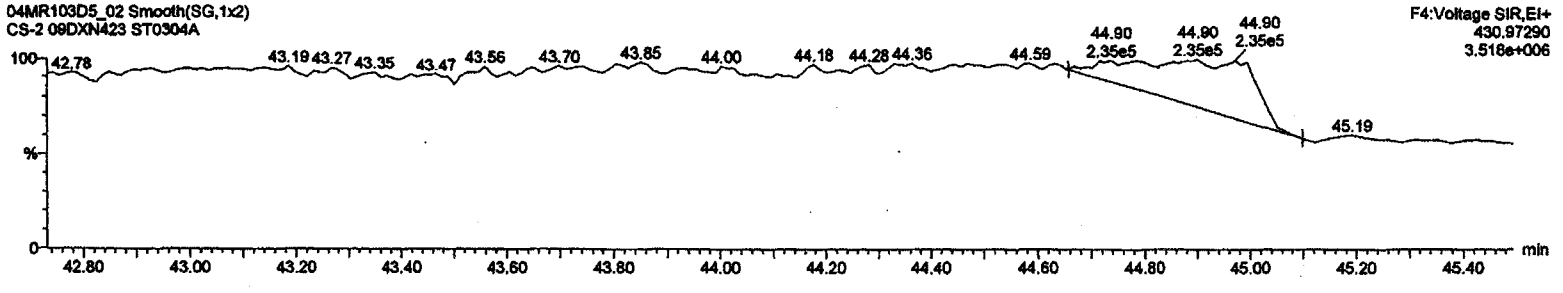
HpCDFs



HpCDF PCDPE



Function 4 PFK



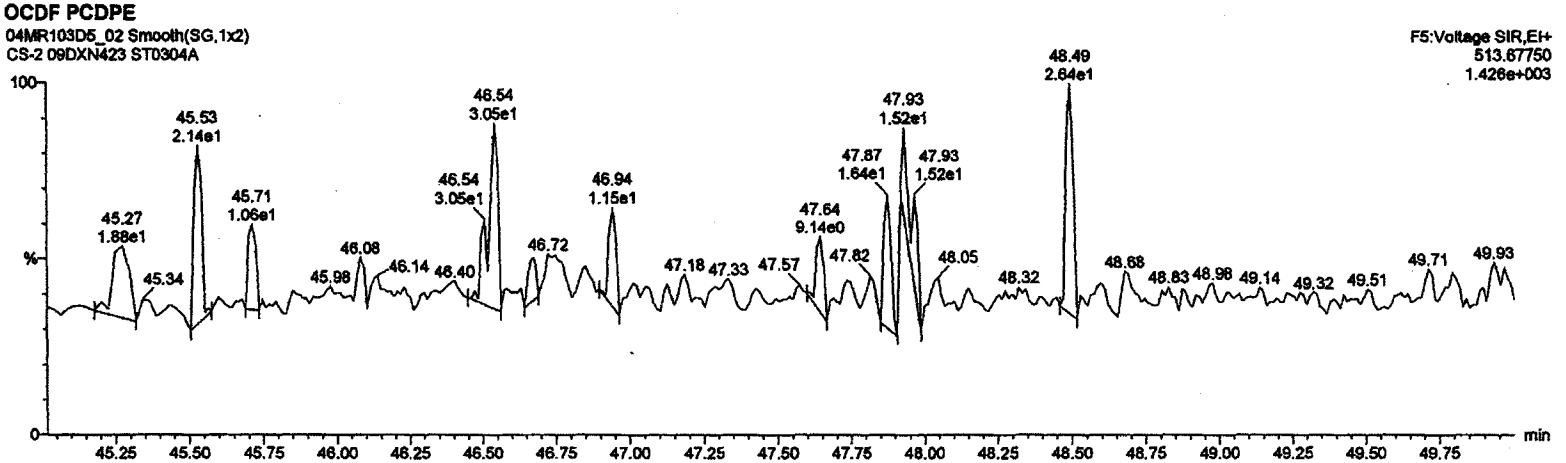
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA030420103D51613OCDF25.qld

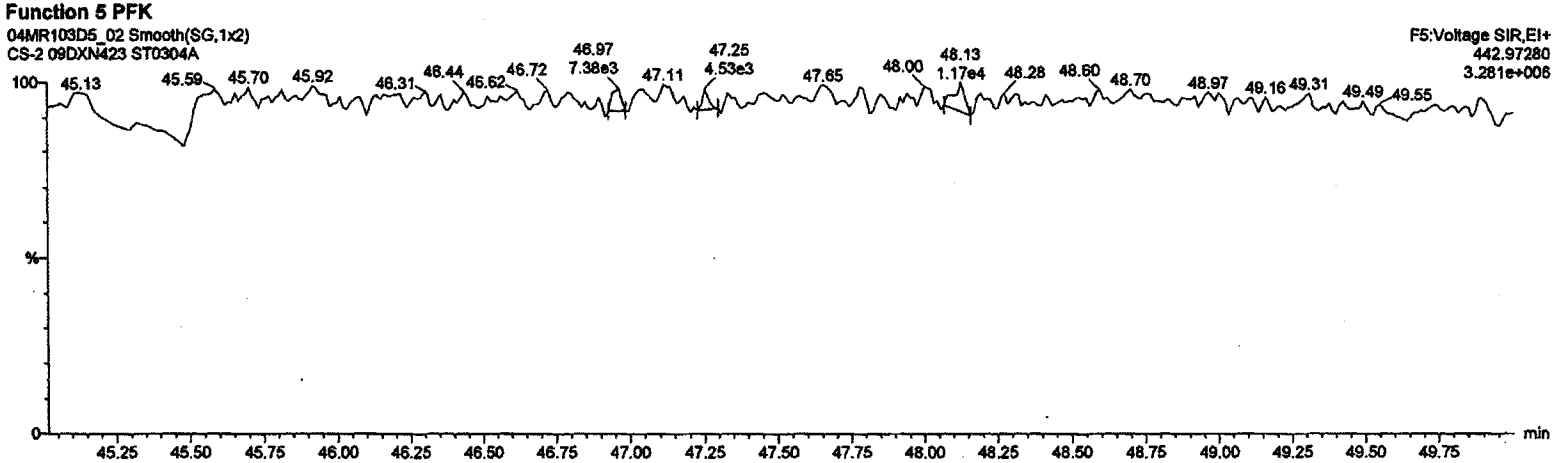
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_02, Date: 04-Mar-2010, Time: 12:01:58, ID: ST0304A, Description: CS-2 09DXN423

OCDF PCDPE



Function 5 PFK



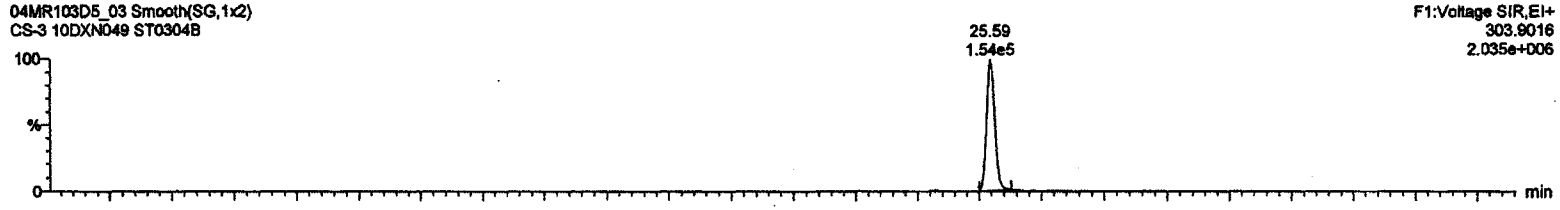
Quantify Sample Report **MassLynx 4.1**

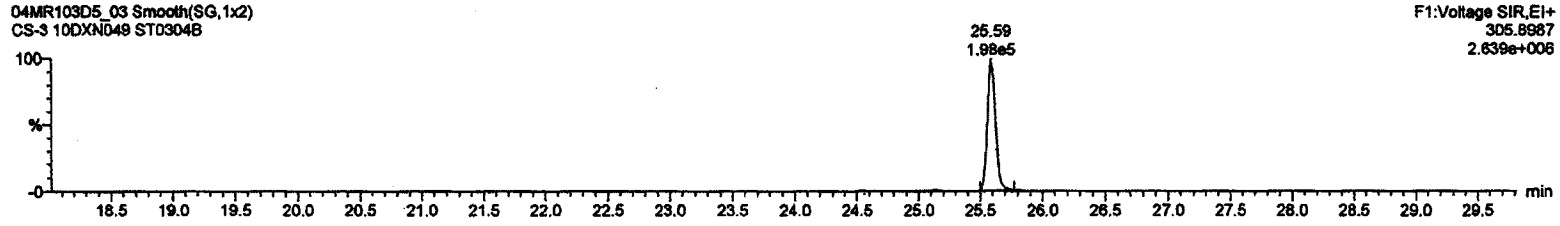
Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

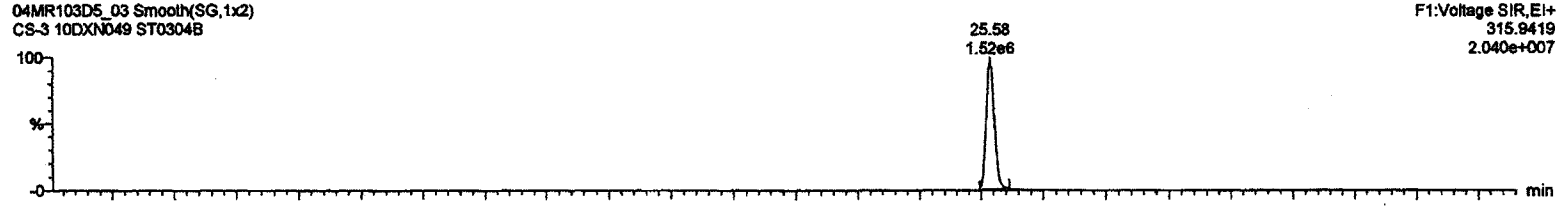
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

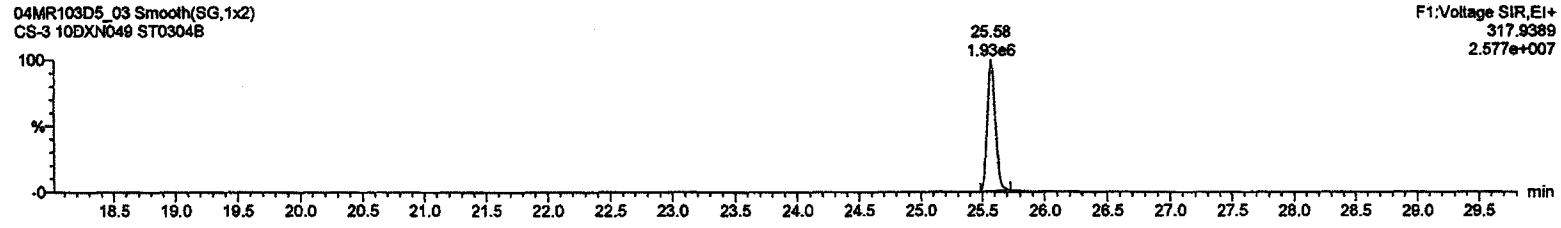
TCDFs





13C-TCDF





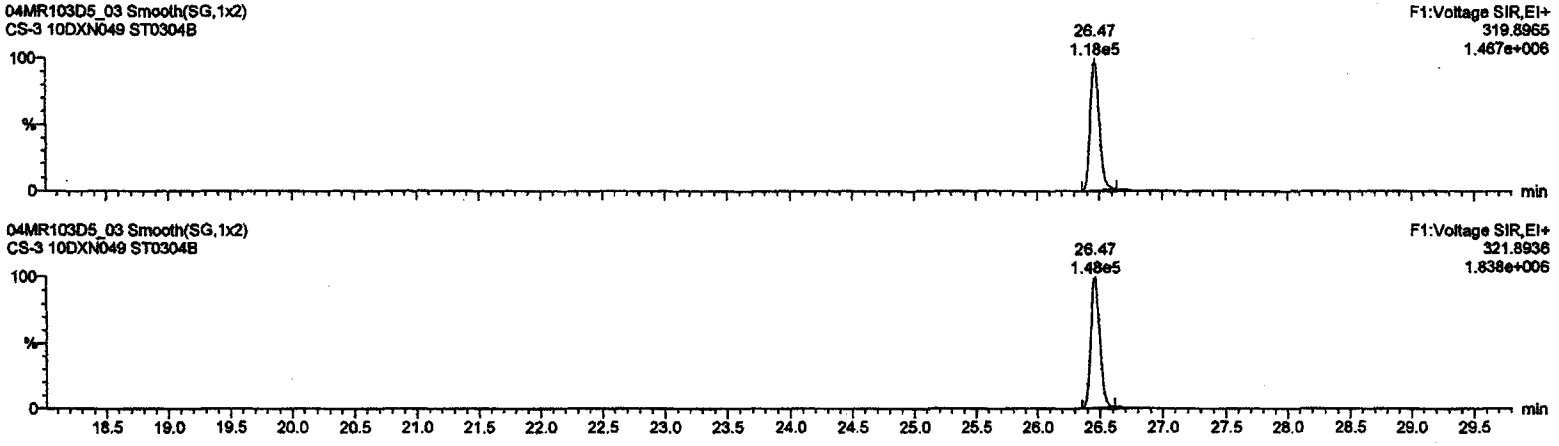
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

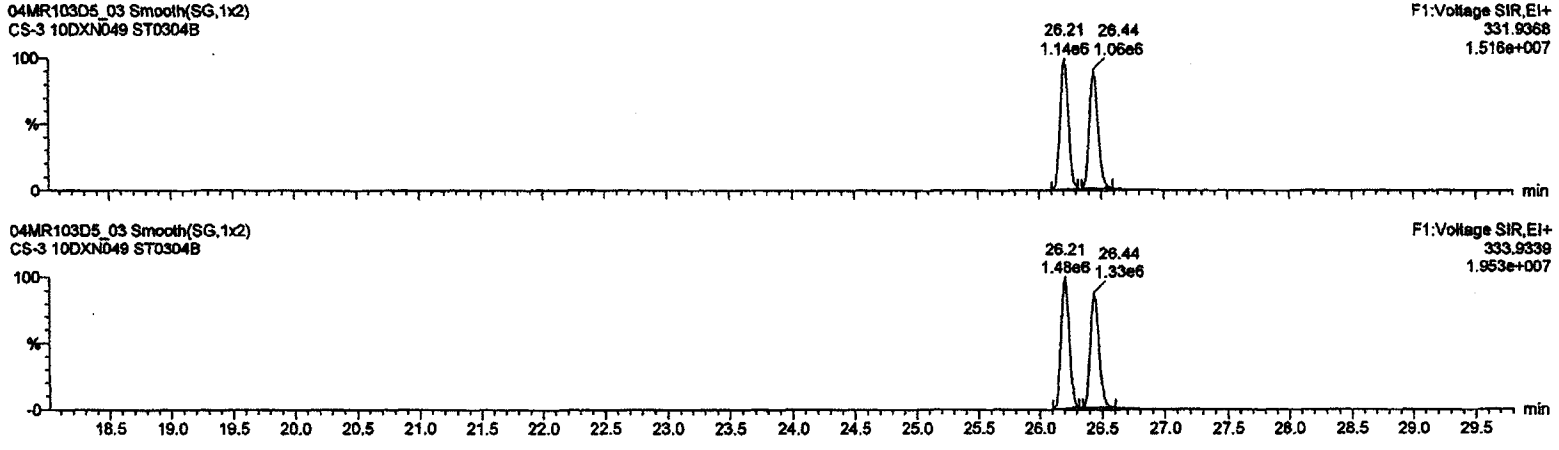
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

TCDDs



13C-TCDDs



Quantify Sample Report **MassLynx 4.1**

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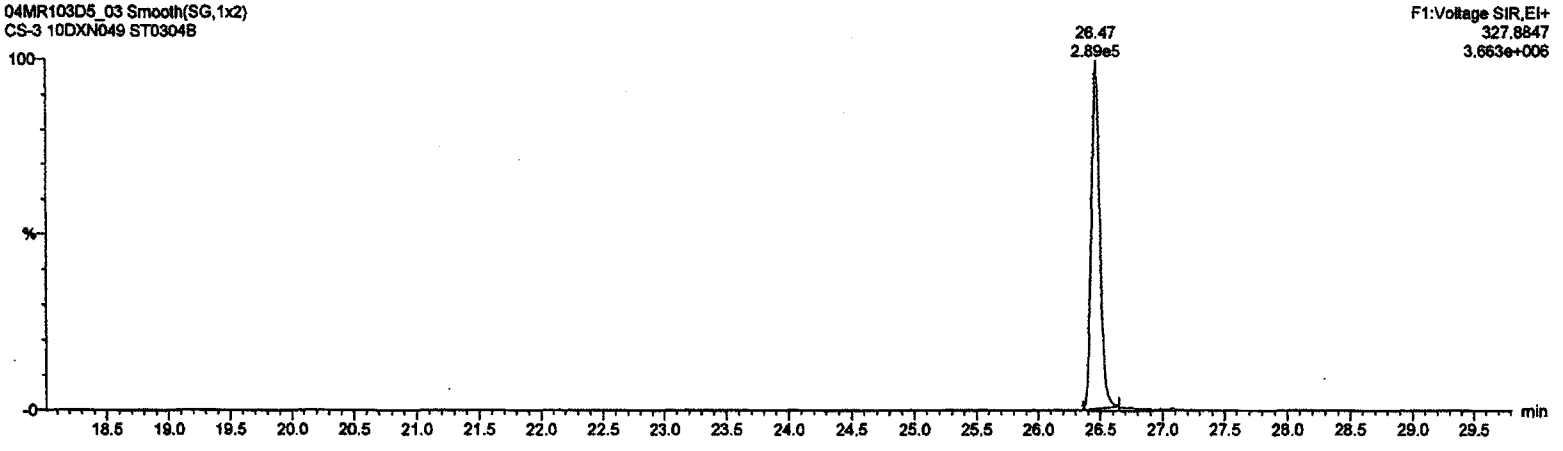
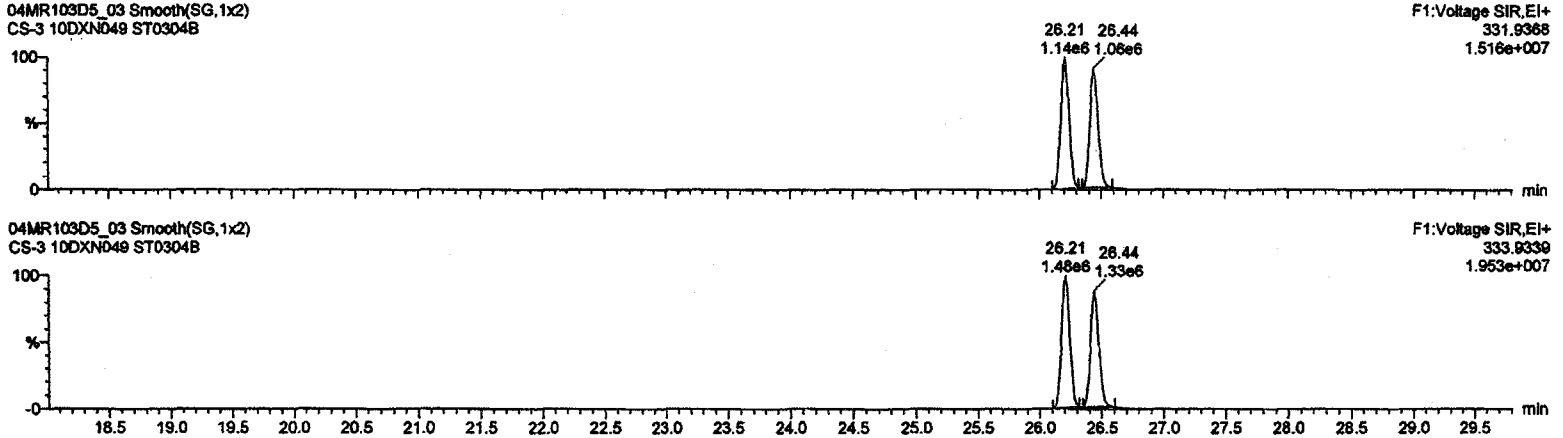
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

37CL-2,3,7,8-TCDD



13C-TCDDs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

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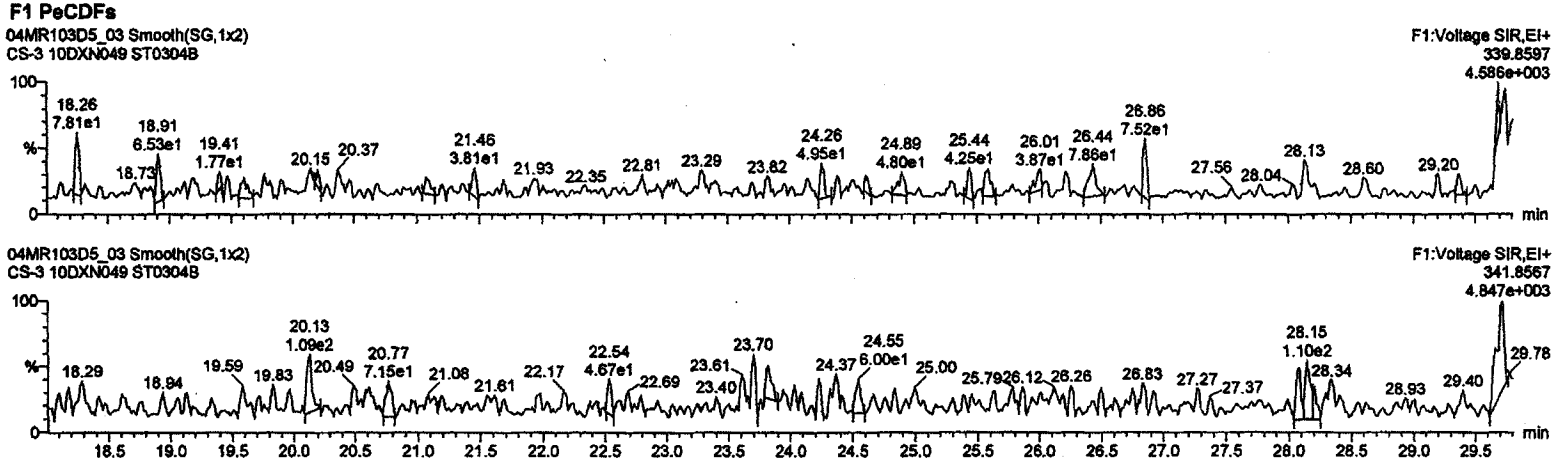
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

F1 PeCDFs



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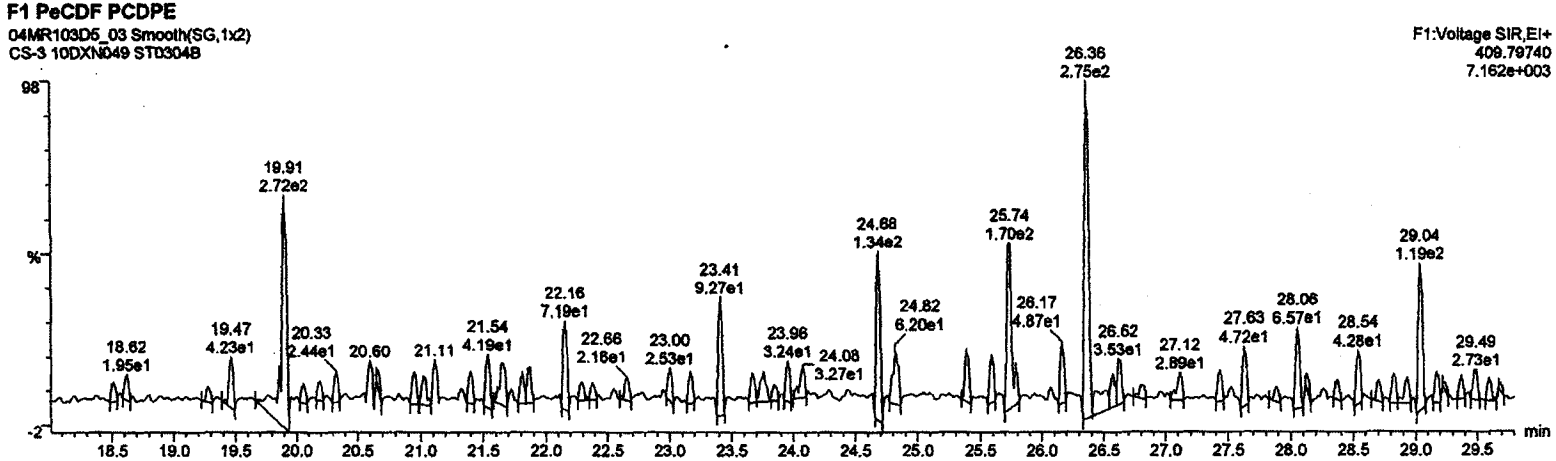

Quantify Sample Report **MassLynx 4.1**

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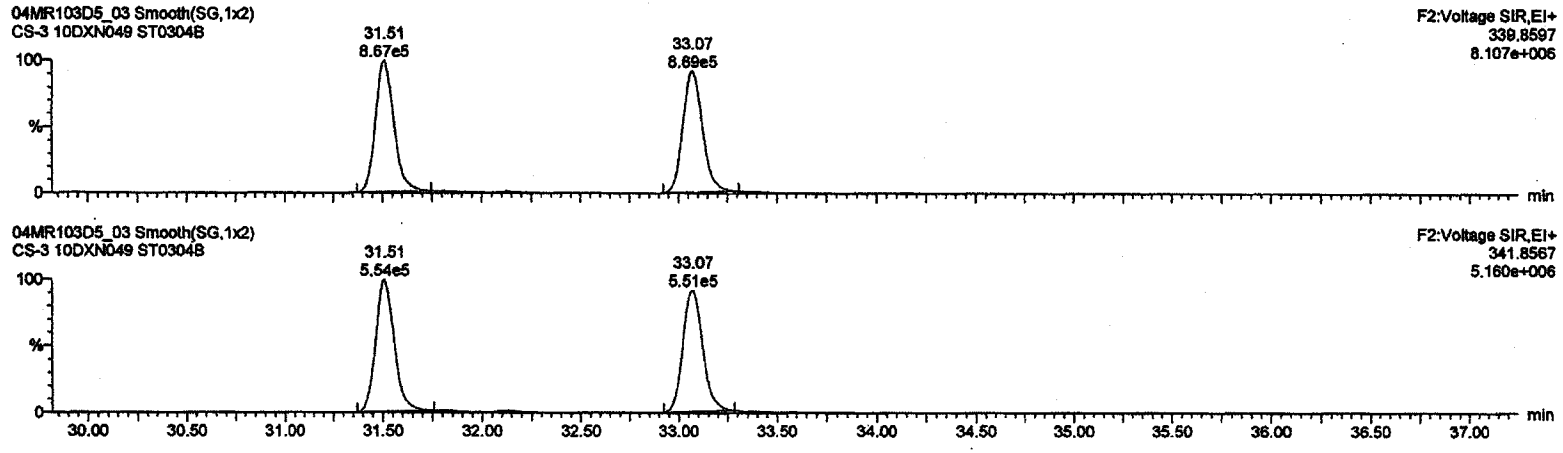
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

PeCDFs



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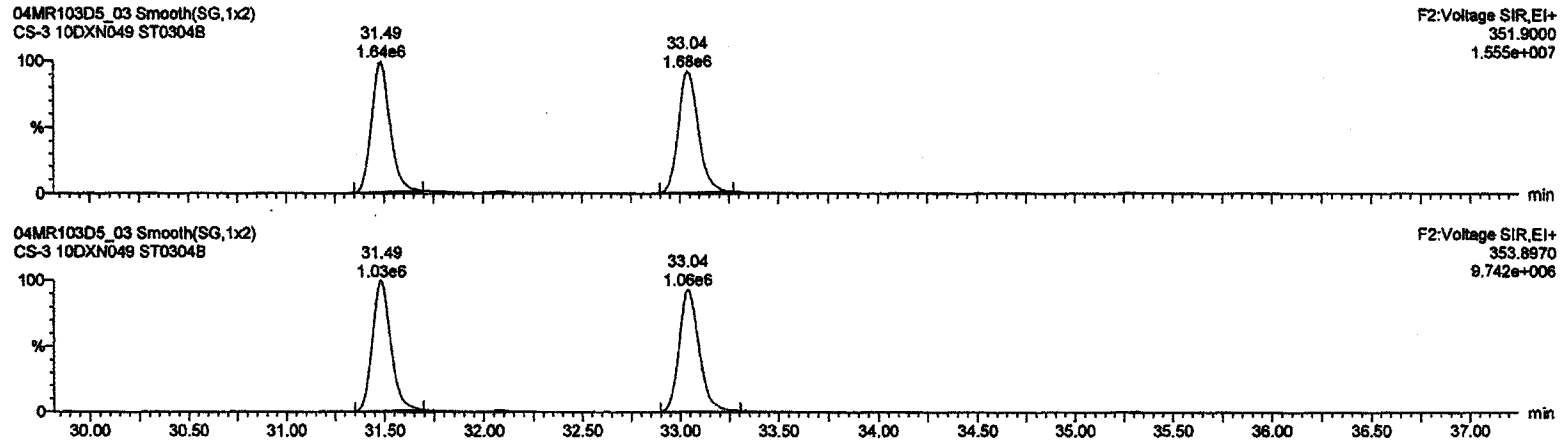

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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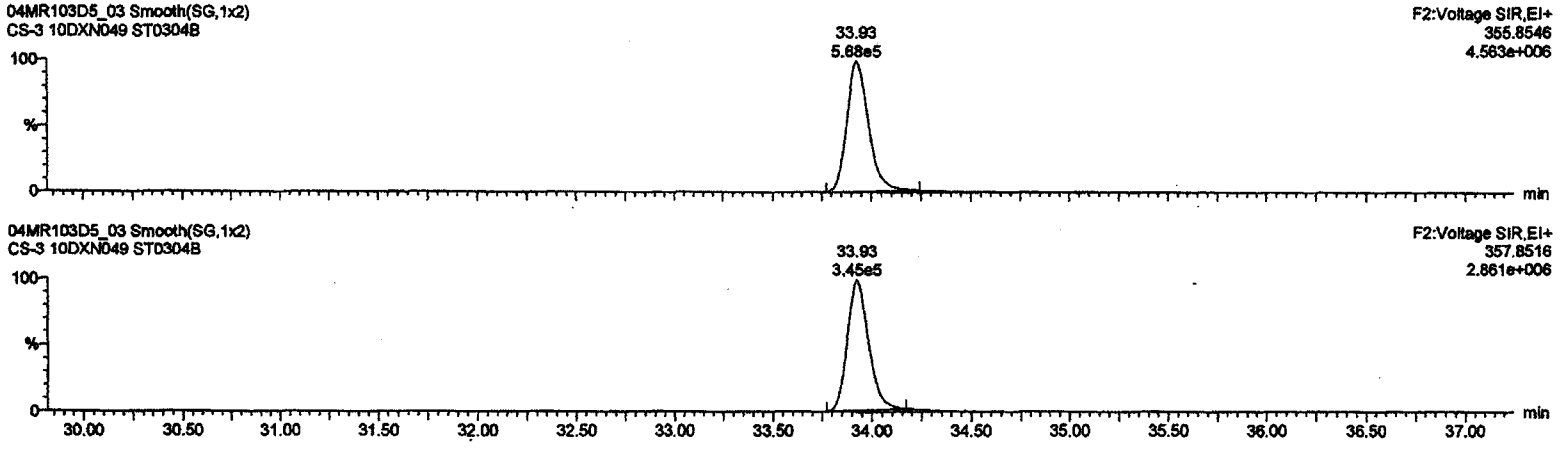
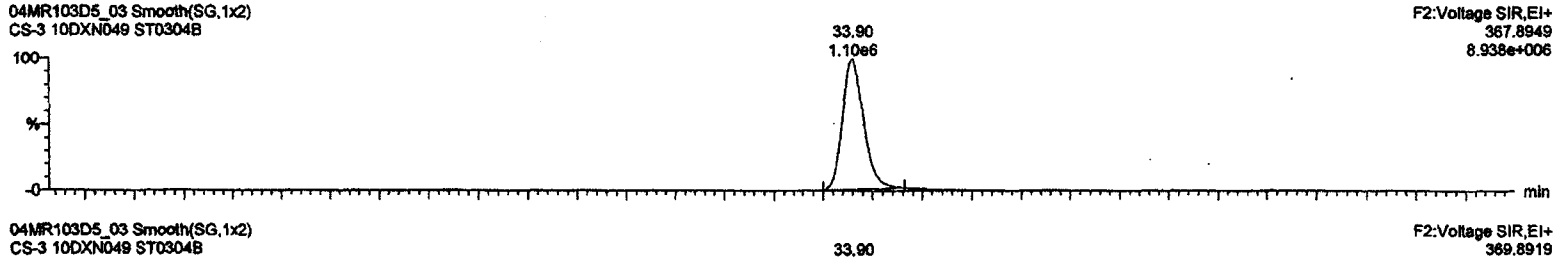
PeCDDs



13C-PeCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

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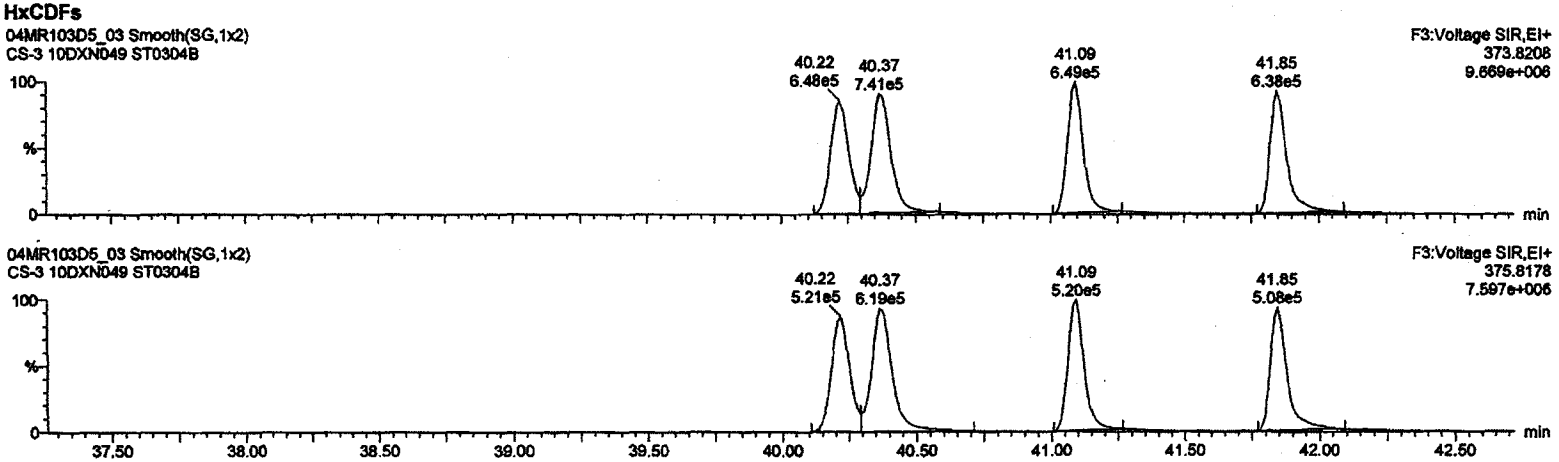
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

HxCDFs



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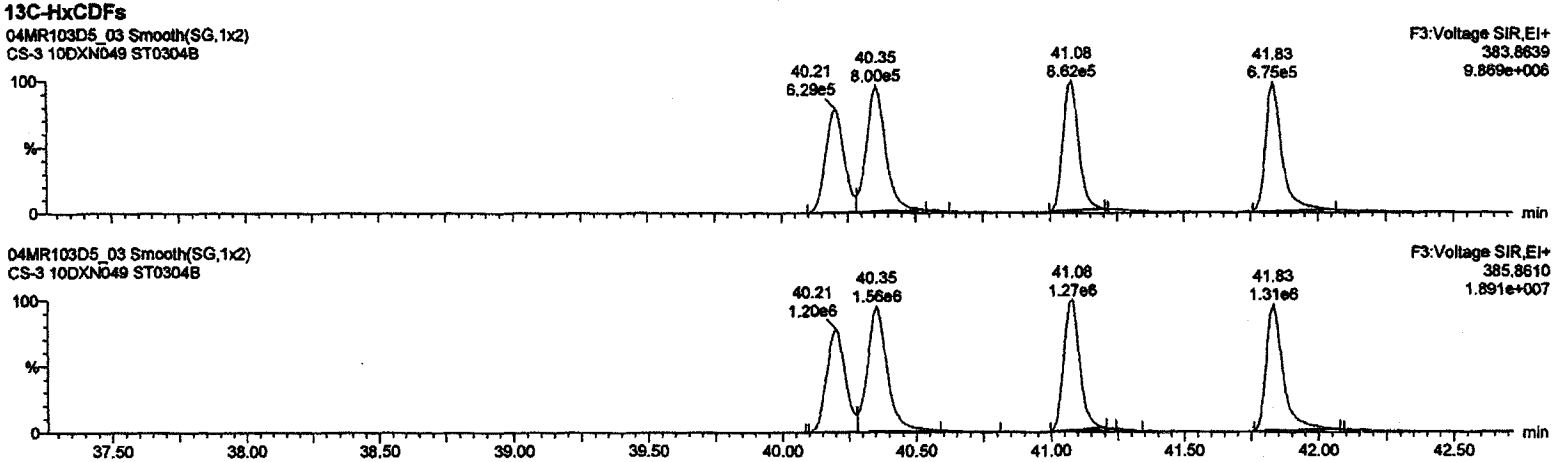

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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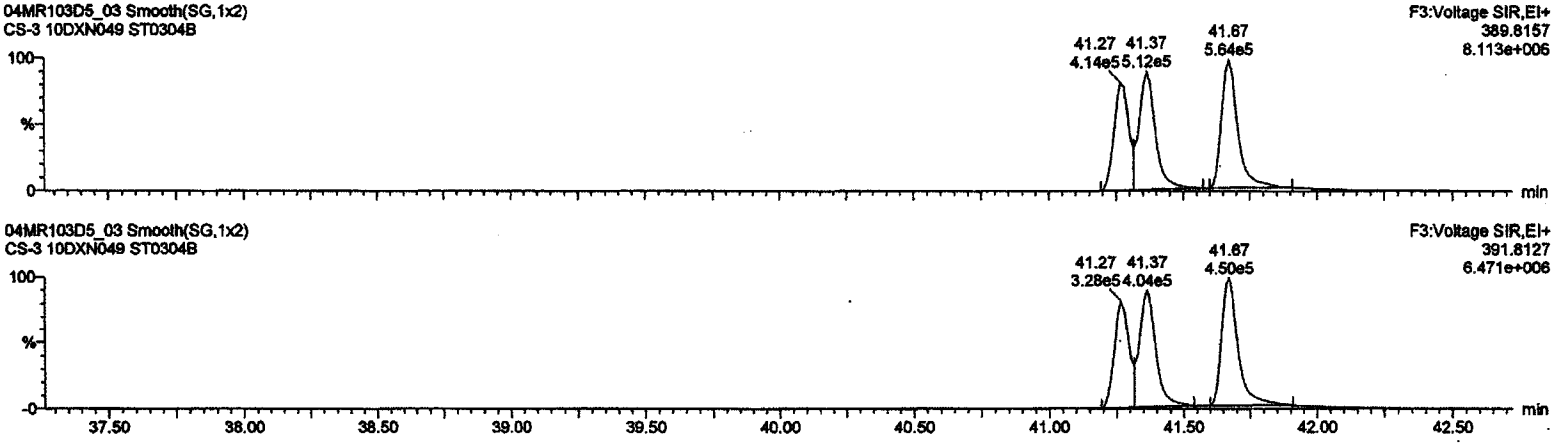
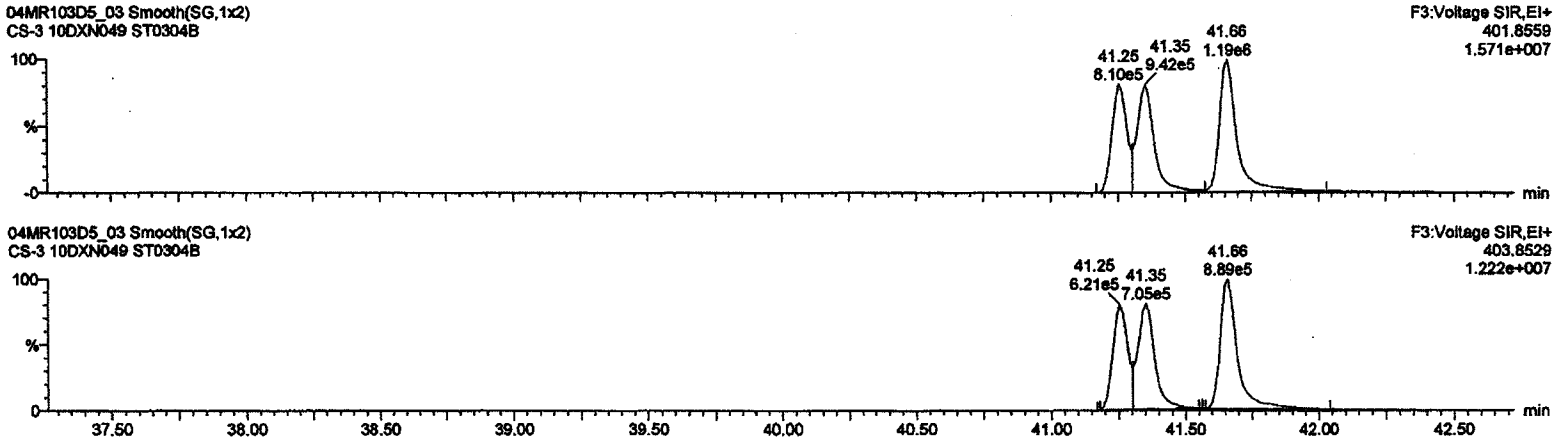
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

HxCDDs



13C-HxCDDs



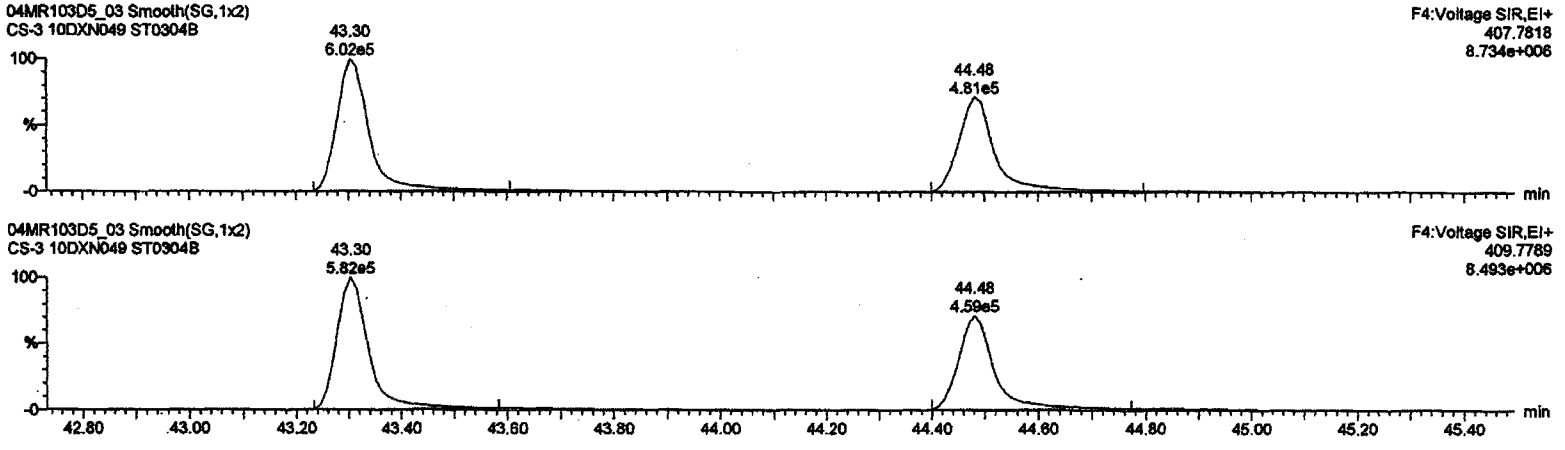
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

HpCDFs



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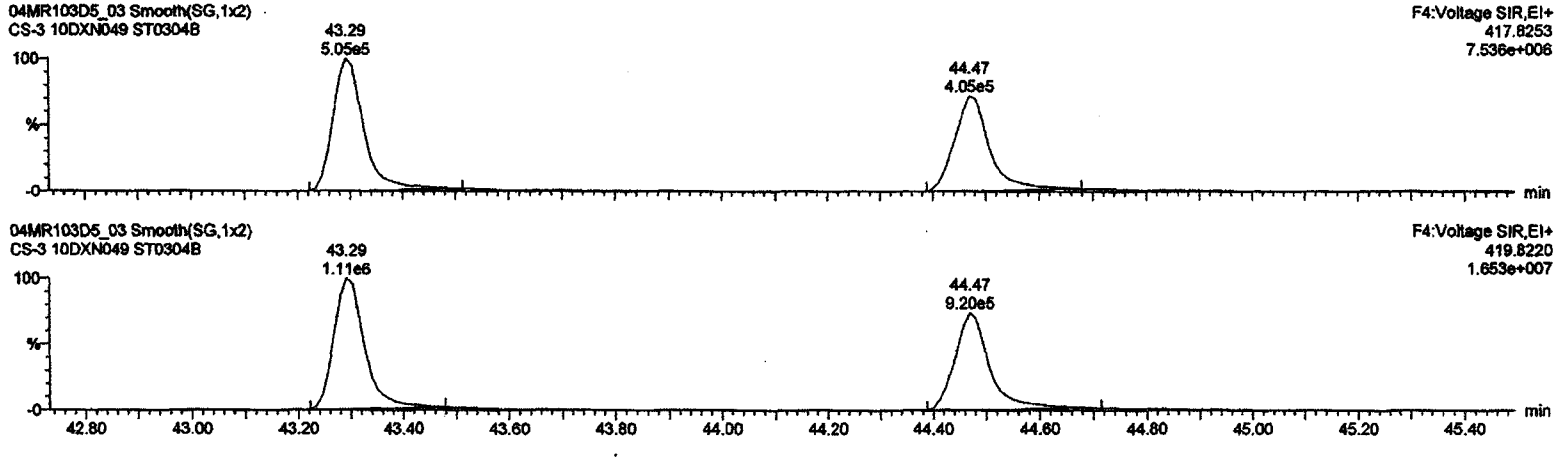


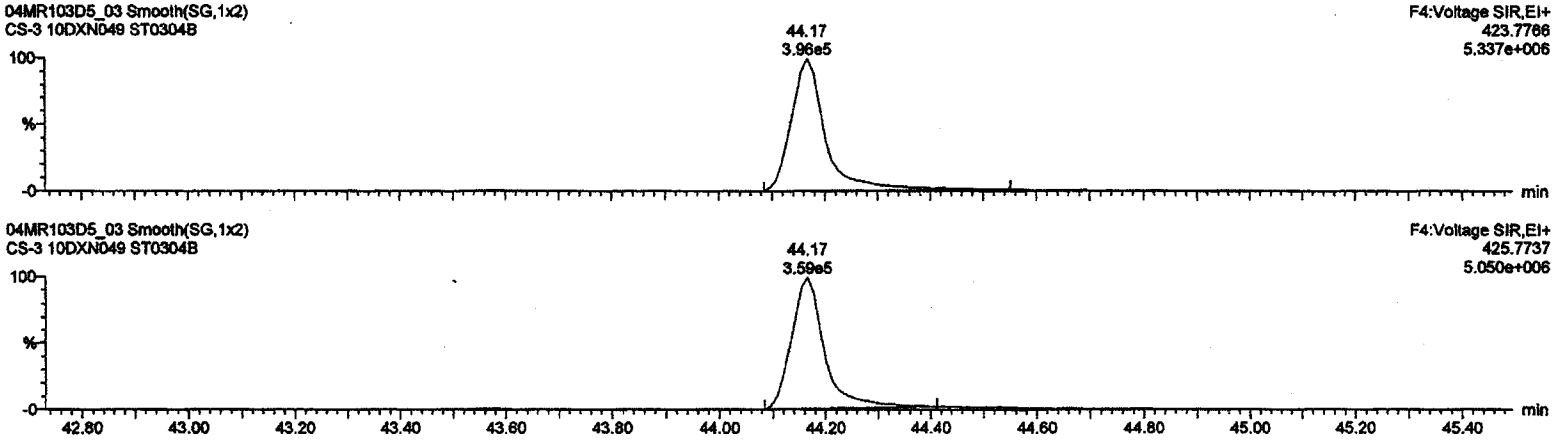
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

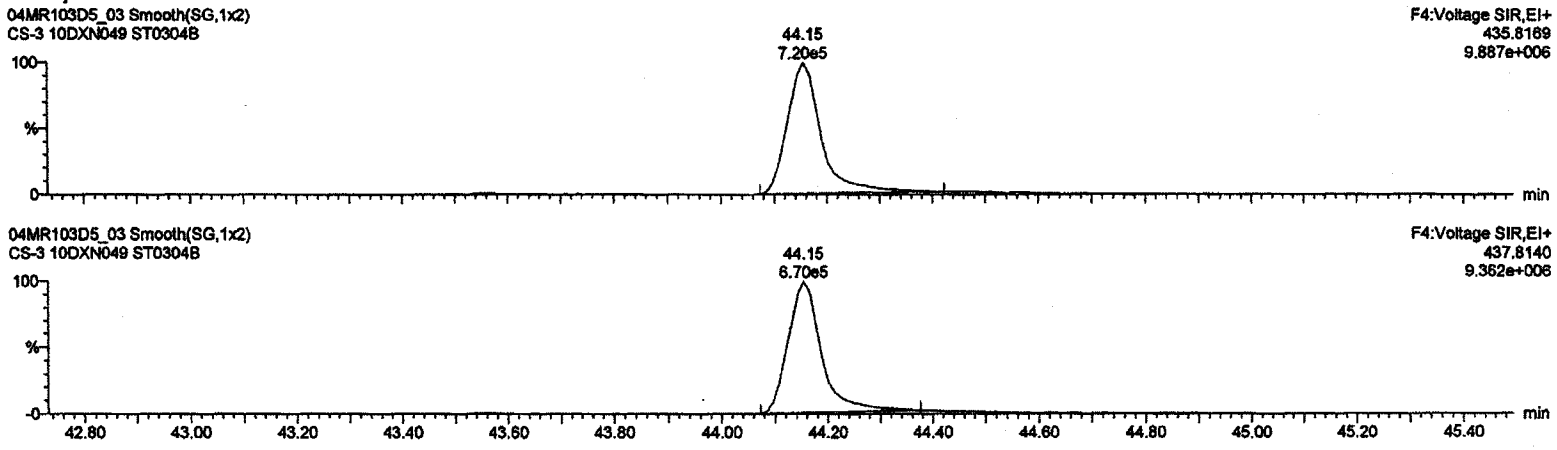
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

HpCDDs



13C-HpCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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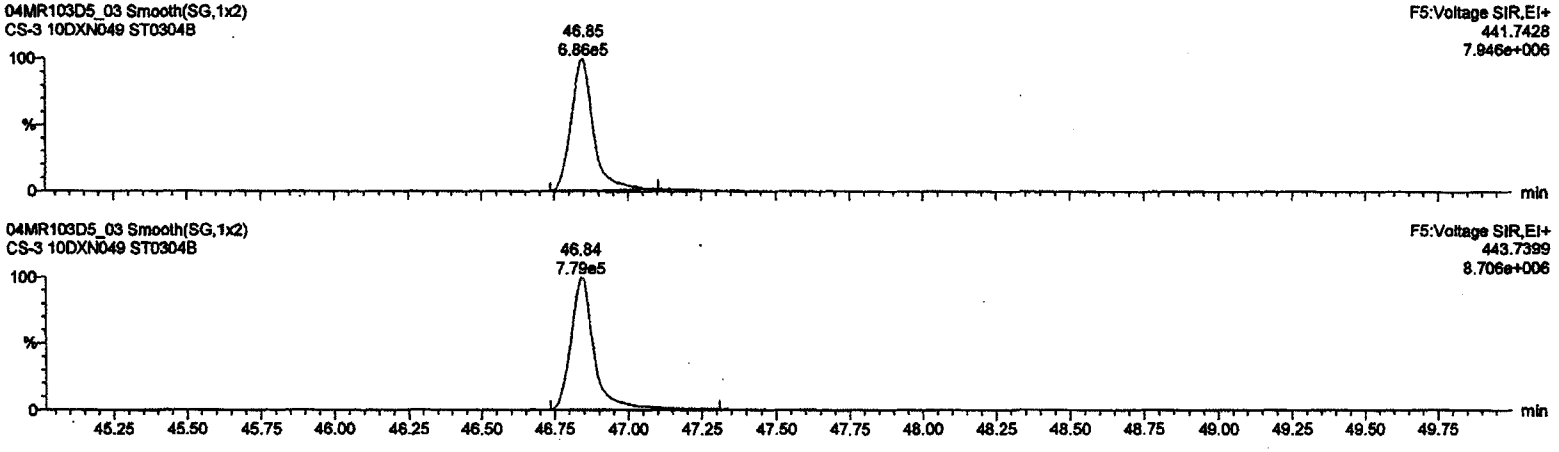
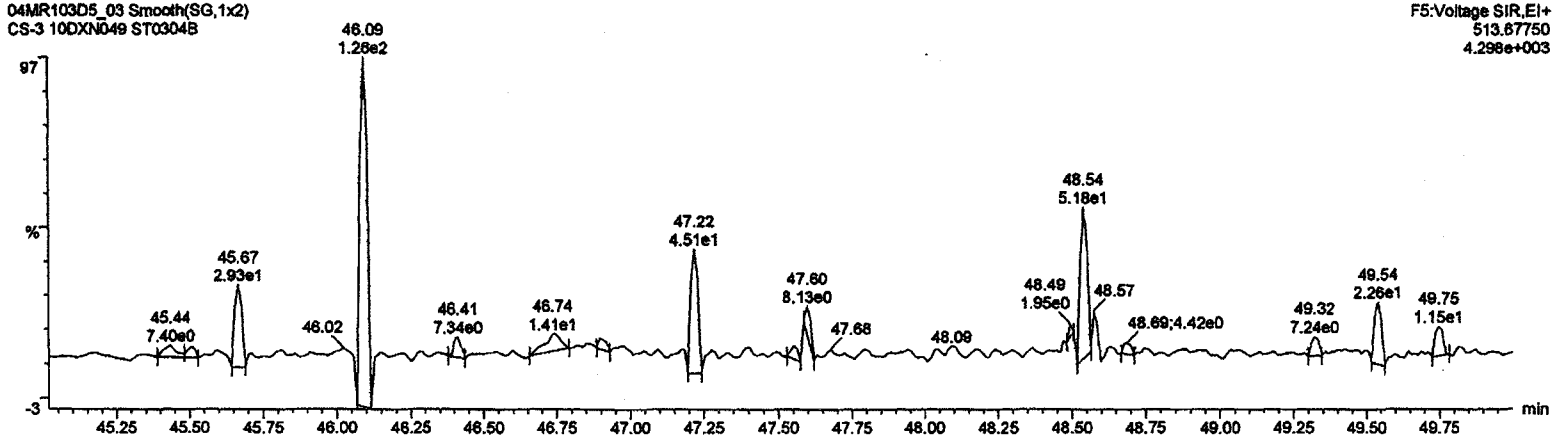
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

OCDFs



OCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

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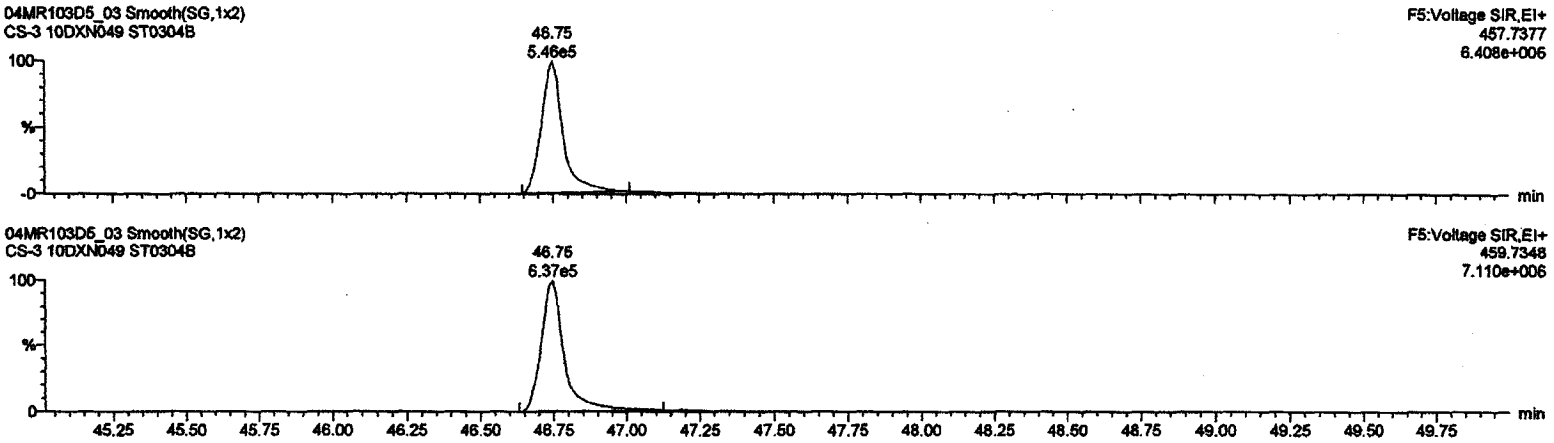
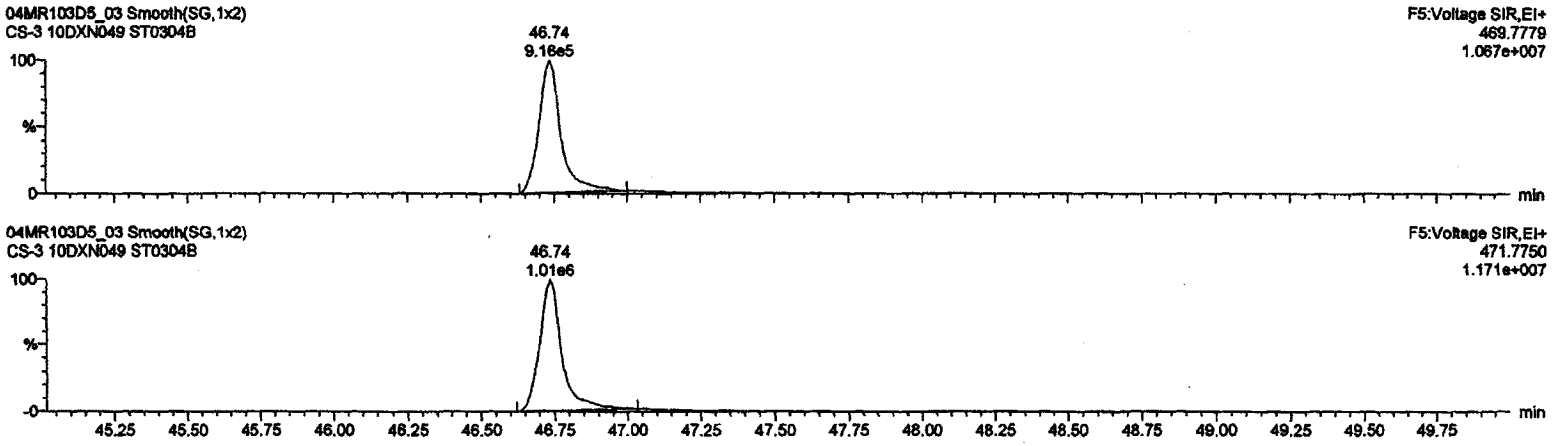
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

OCDD



13C-OCDD



Quantify Sample Report **MassLynx 4.1**

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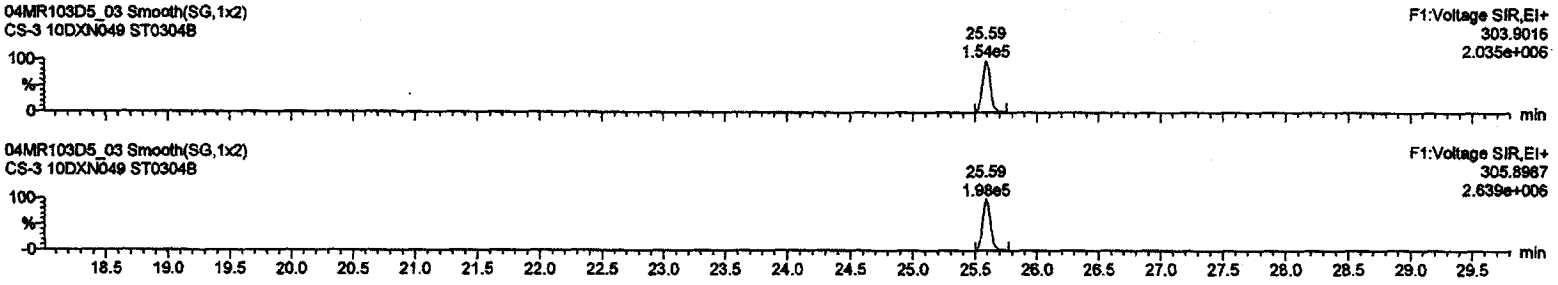
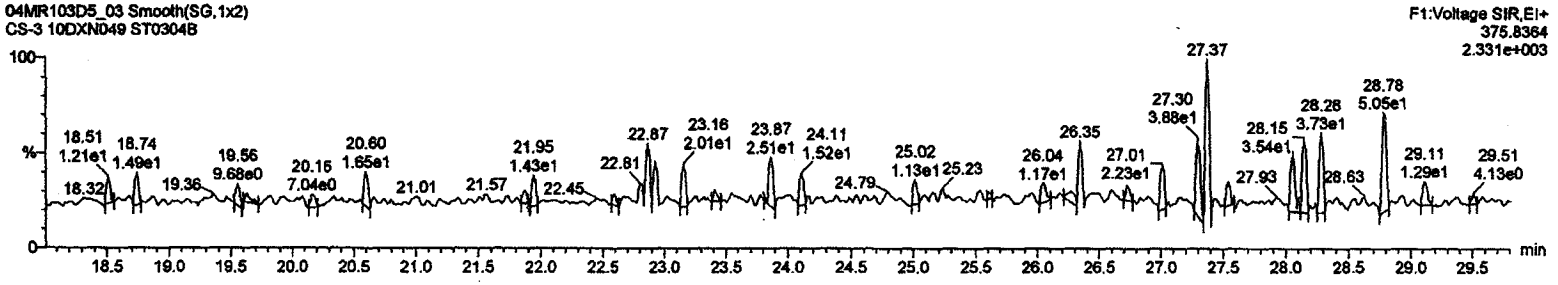
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

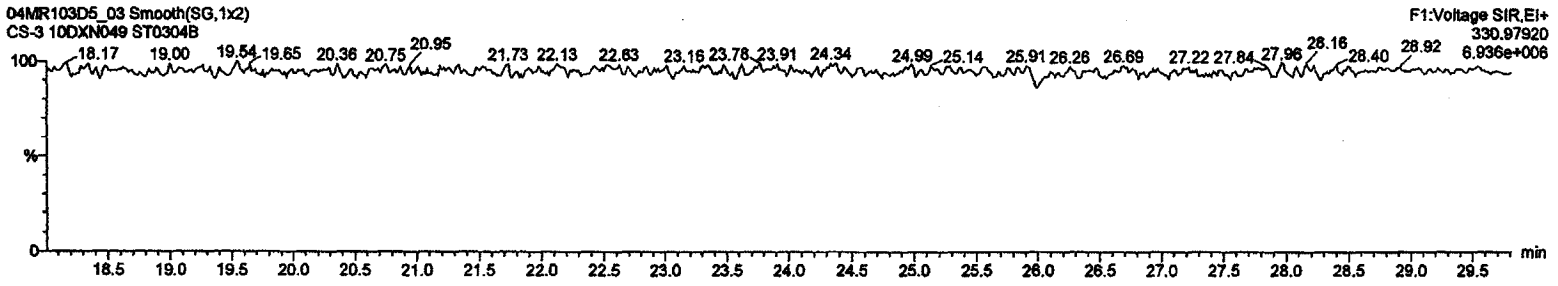
TCDFs



TCDF PCDPE



Function 1 PFK



Quantify Sample Report **MassLynx 4.1**

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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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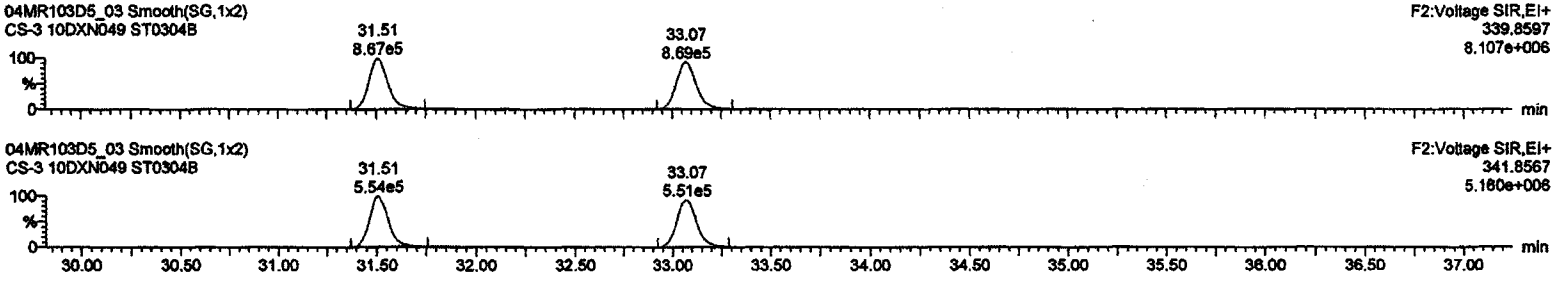
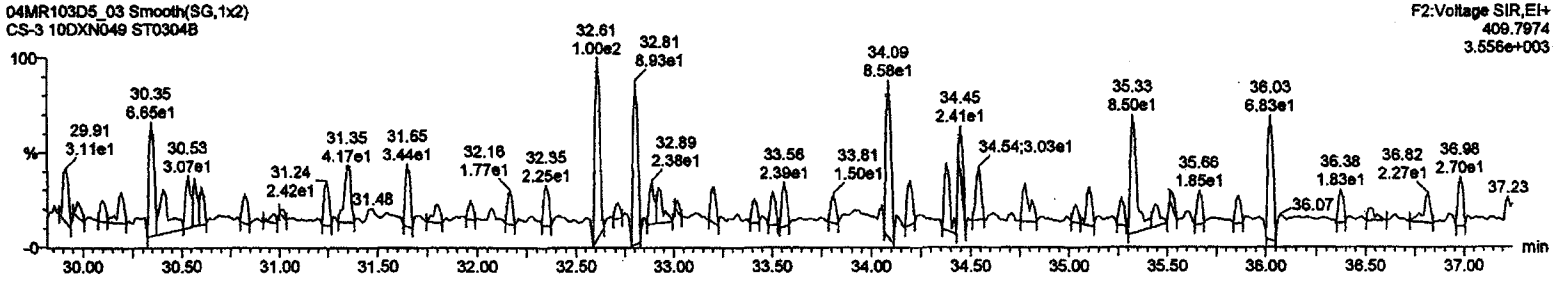
Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

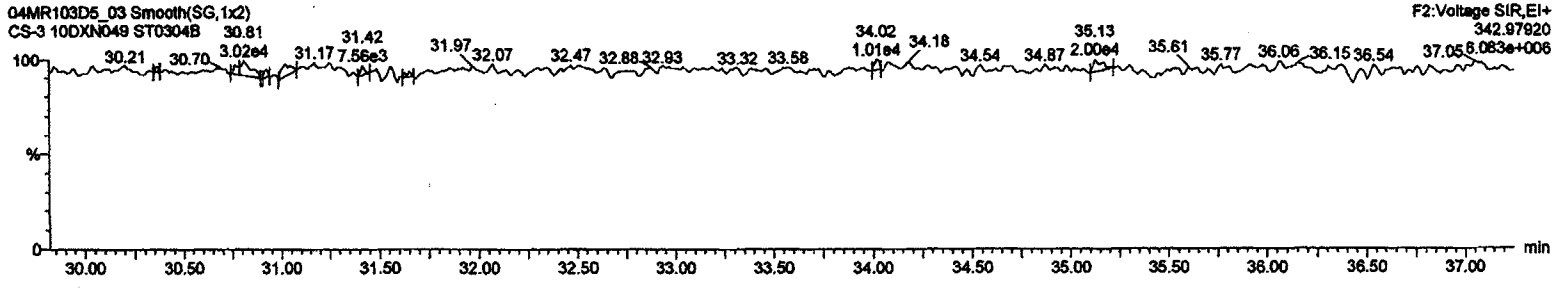
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



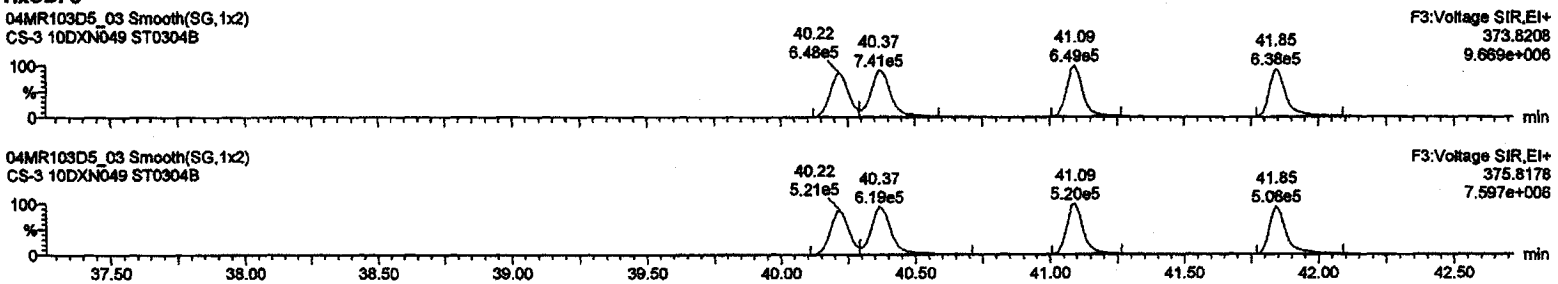
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA030420103D51613OCDF25.qld

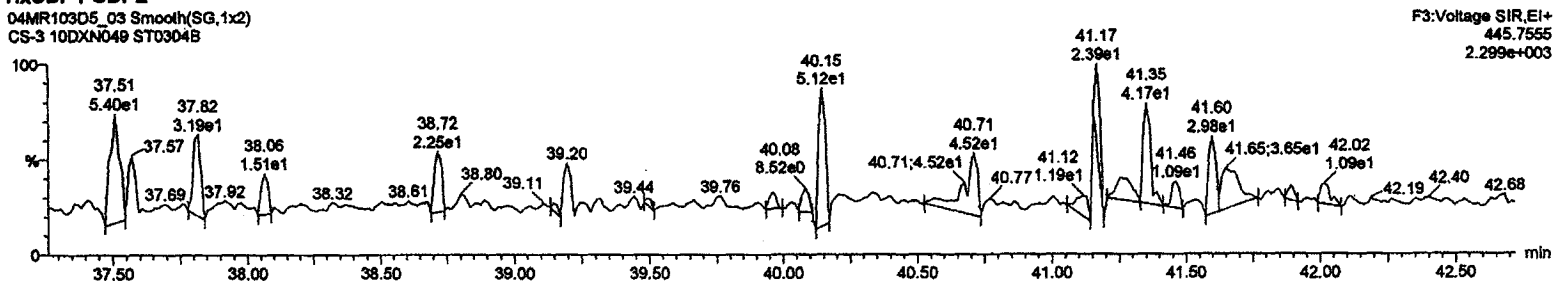
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

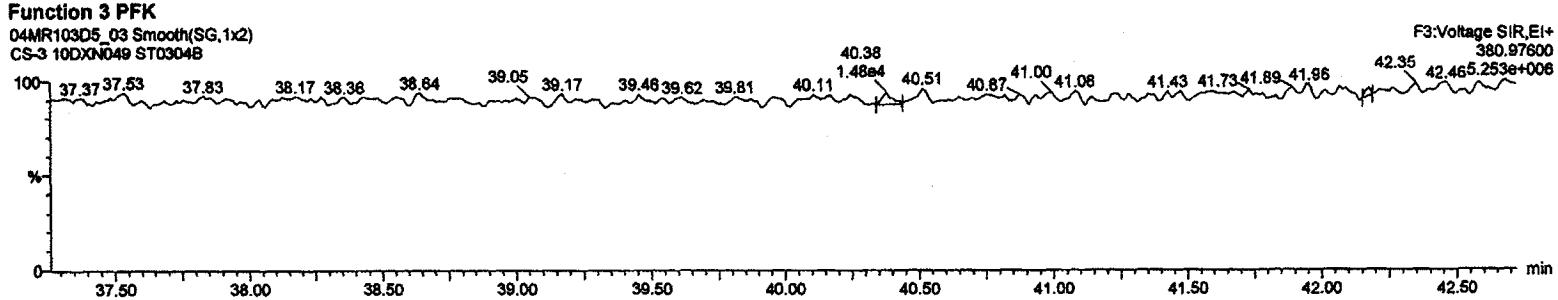
HxCDFs



HxCDF PCDPE



Function 3 PFK



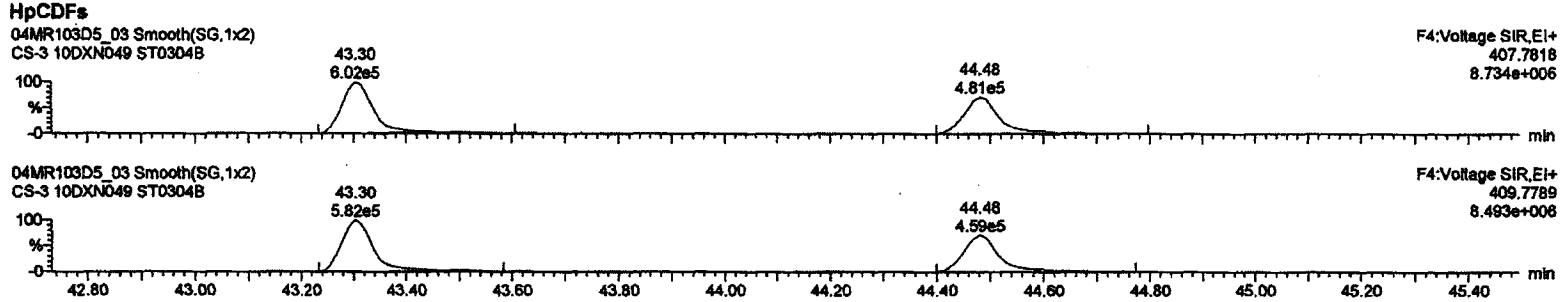
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

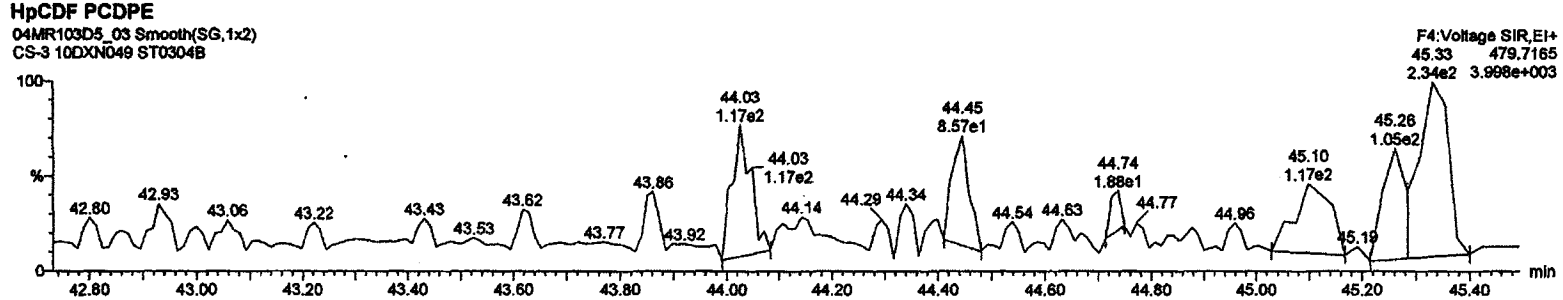
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

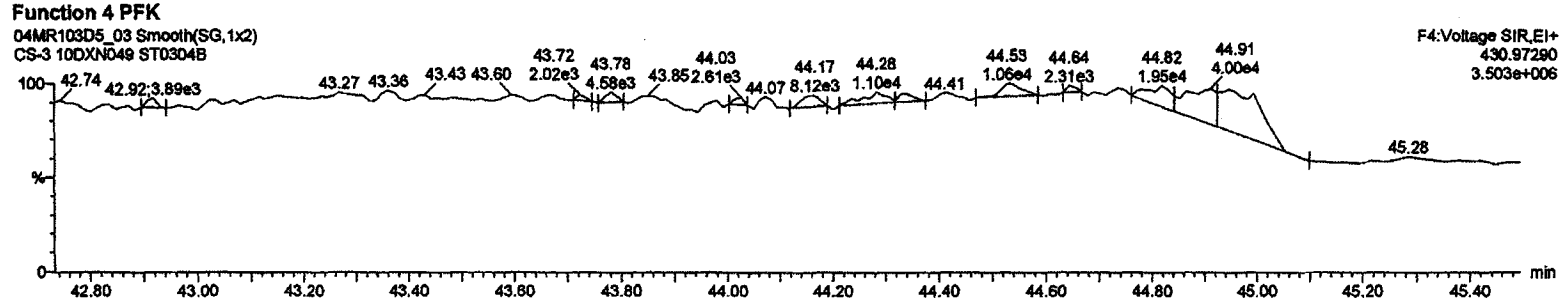
HpCDFs



HpCDF PCDPE



Function 4 PFK



Quantify Sample Report **MassLynx 4.1**

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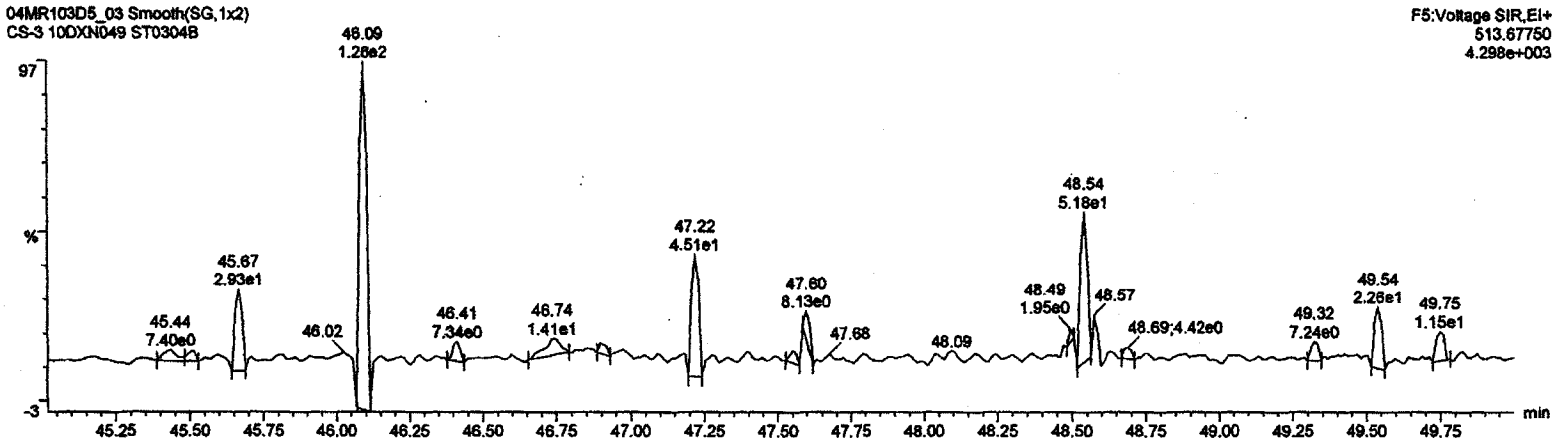
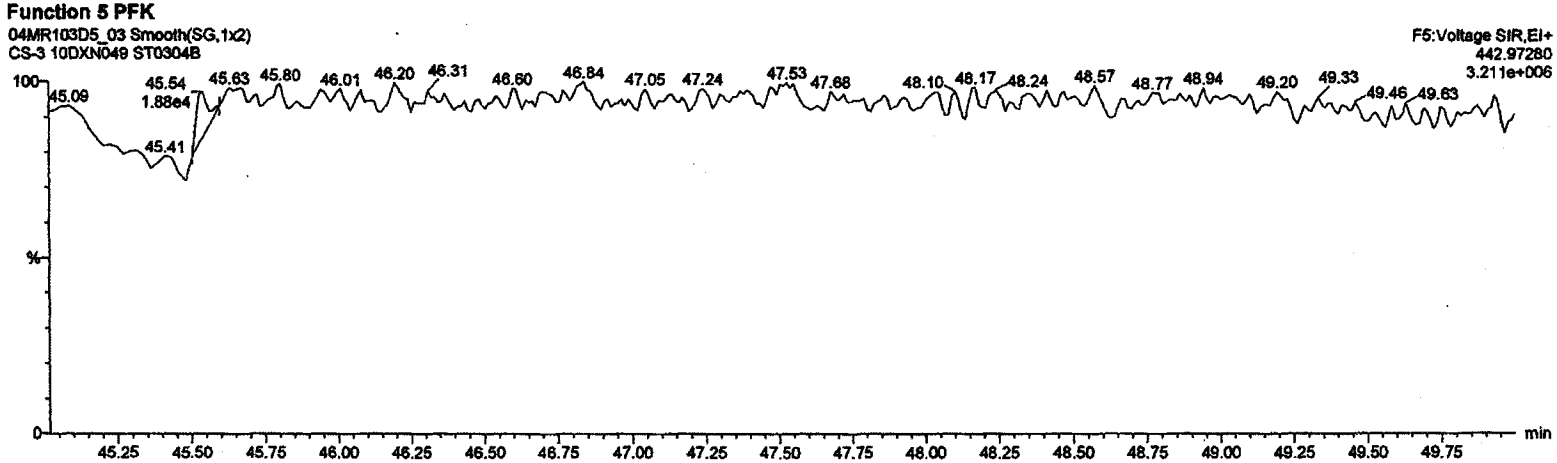
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_03, Date: 04-Mar-2010, Time: 12:53:09, ID: ST0304B, Description: CS-3 10DXN049

OCDF PCDPE



Function 5 PFK



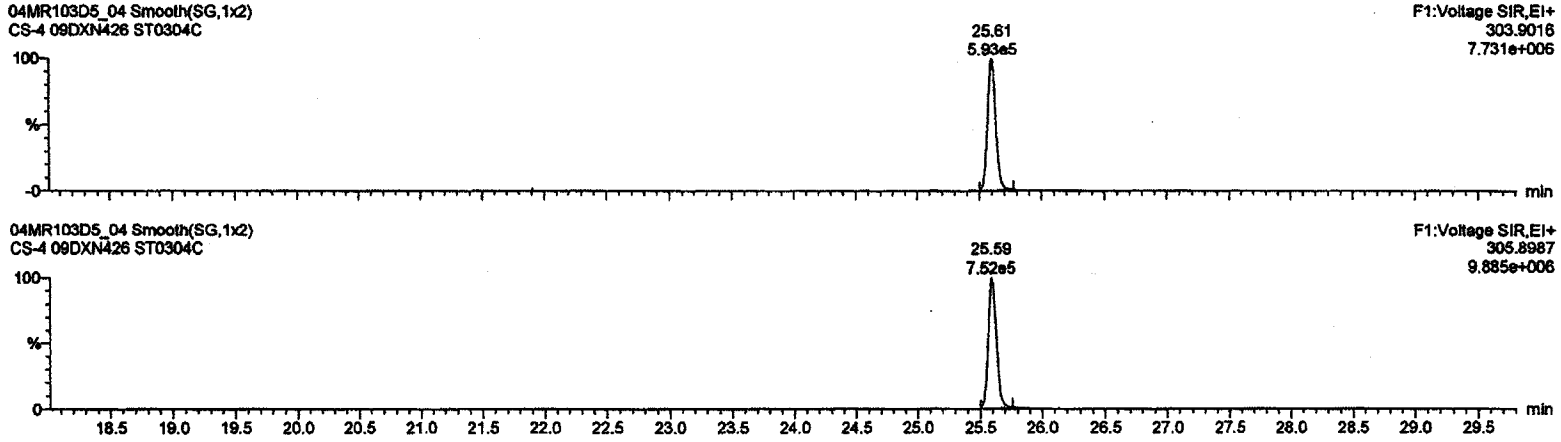
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

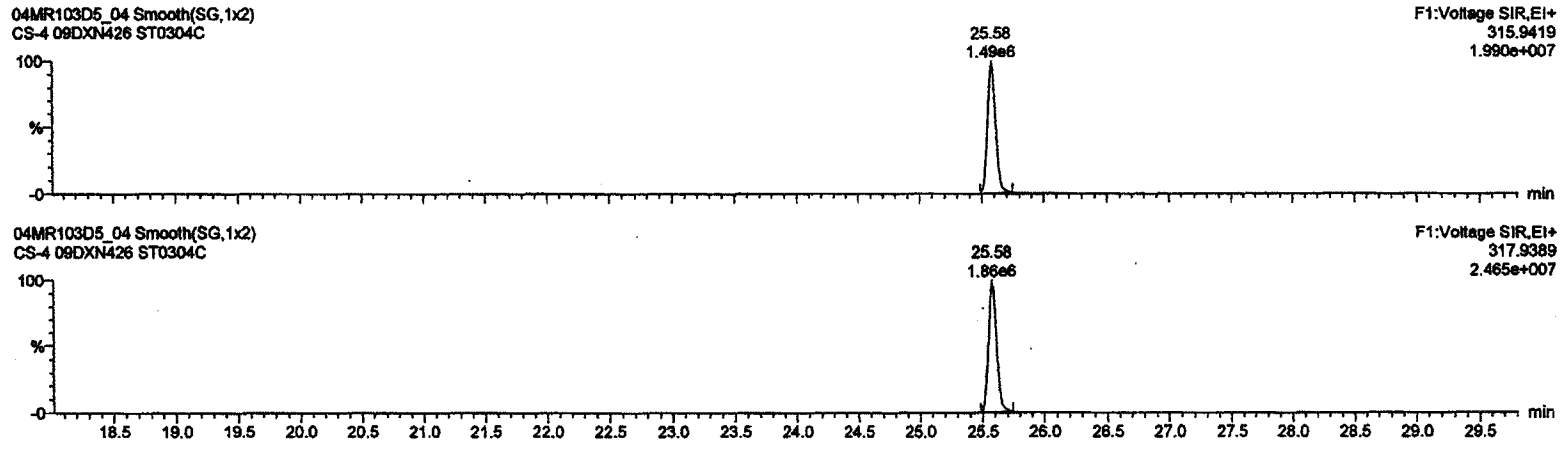
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

TCDFs



13C-TCDF



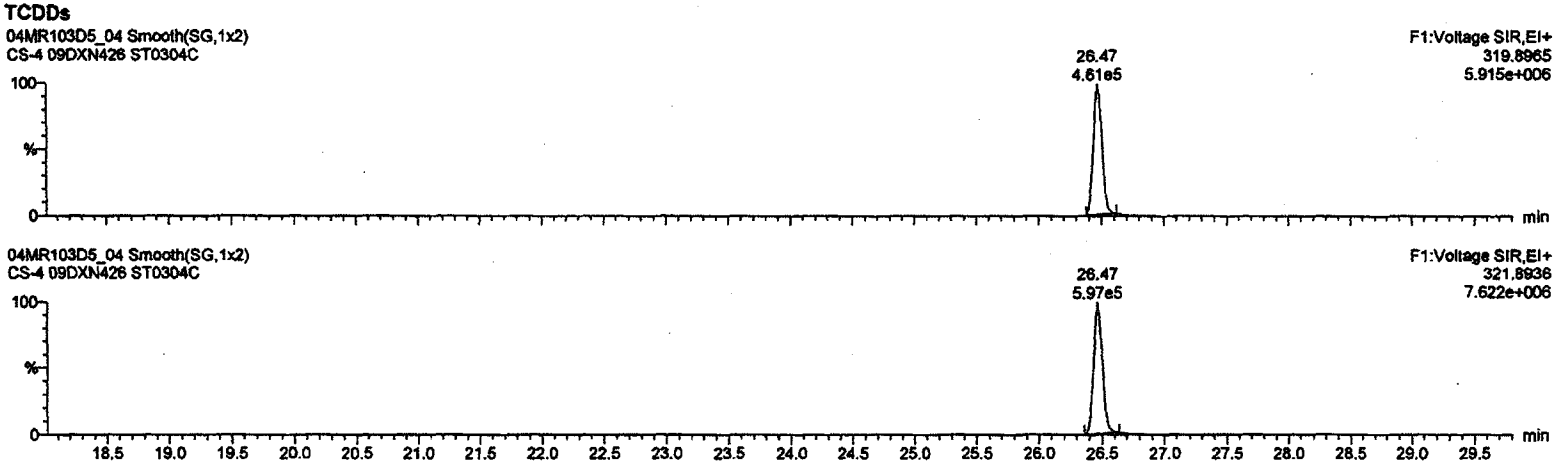
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

TCDDs



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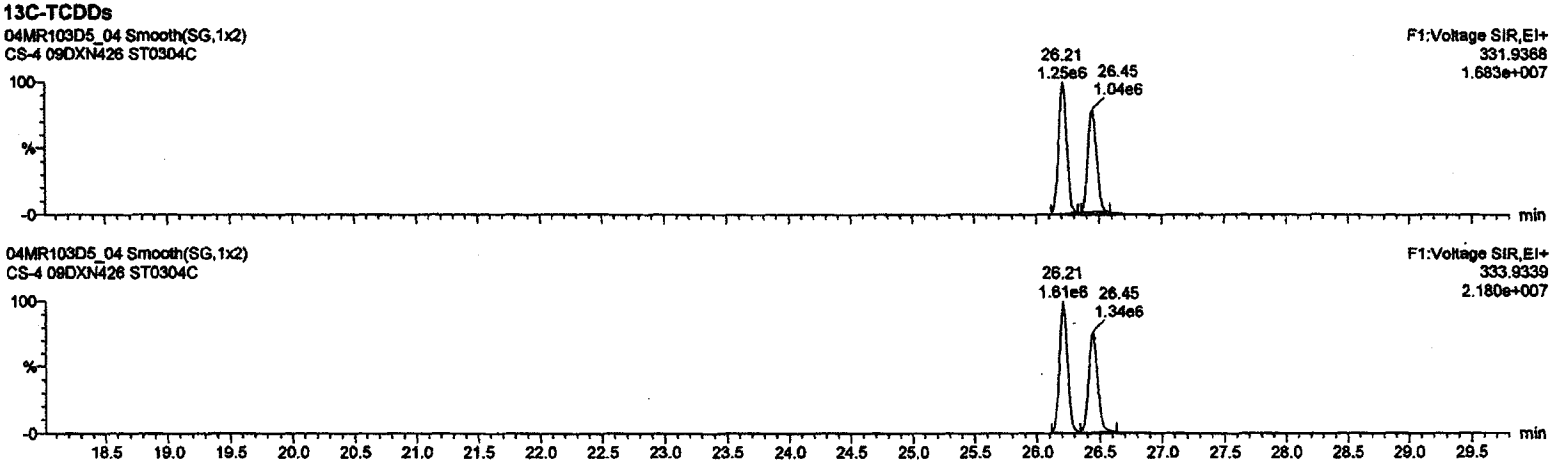

Quantify Sample Report **MassLynx 4.1**

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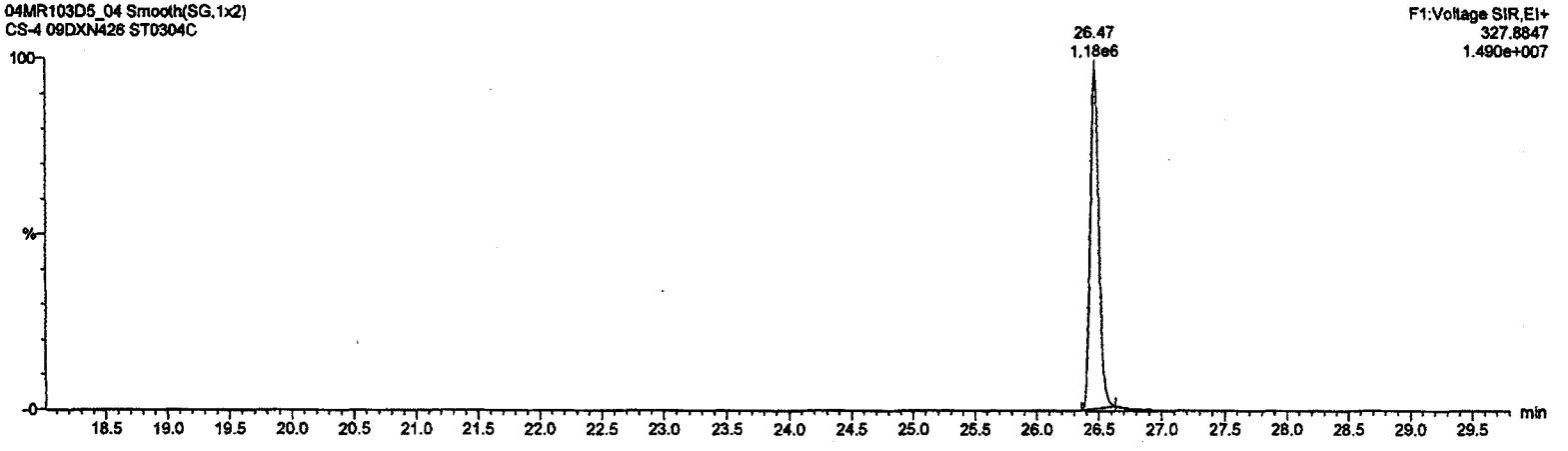
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

37CL-2,3,7,8-TCDD



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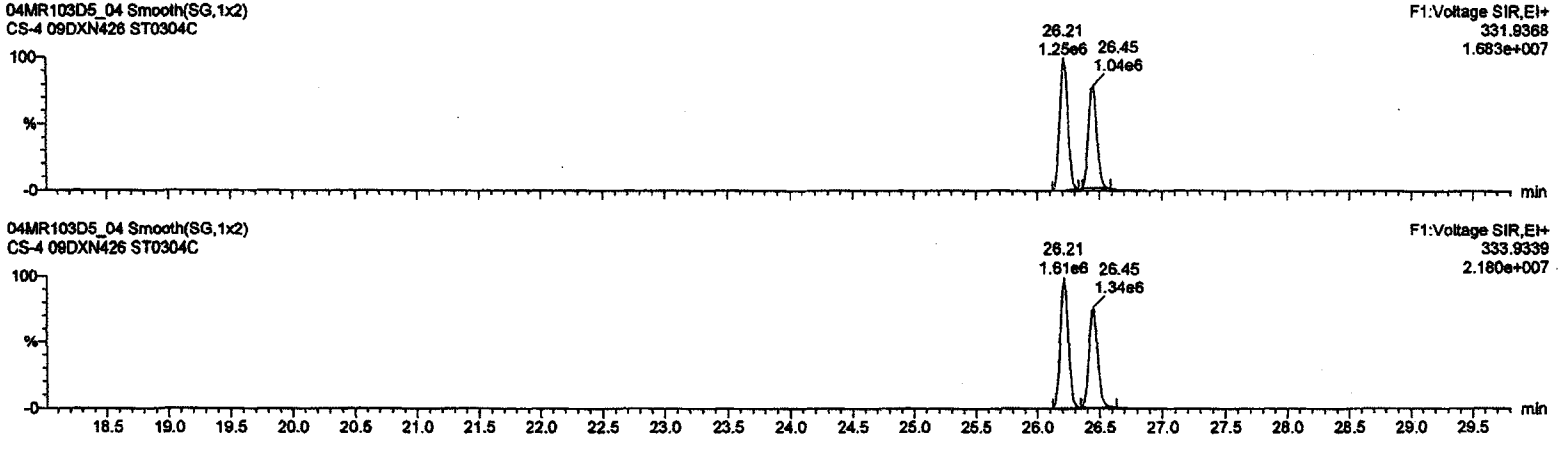

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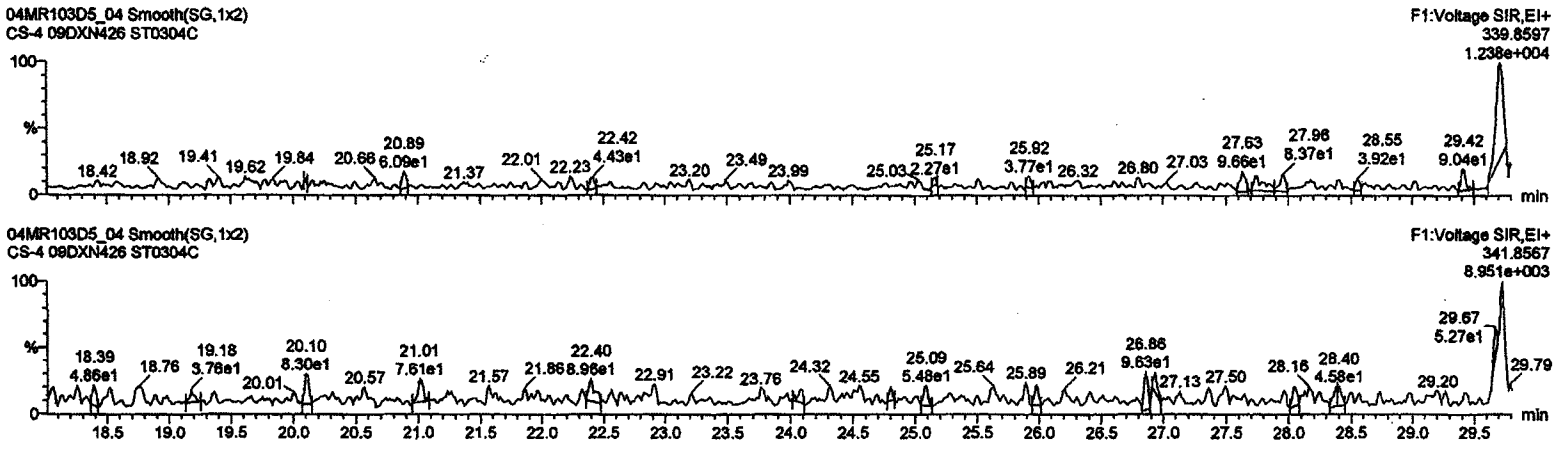
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

F1 PeCDFs



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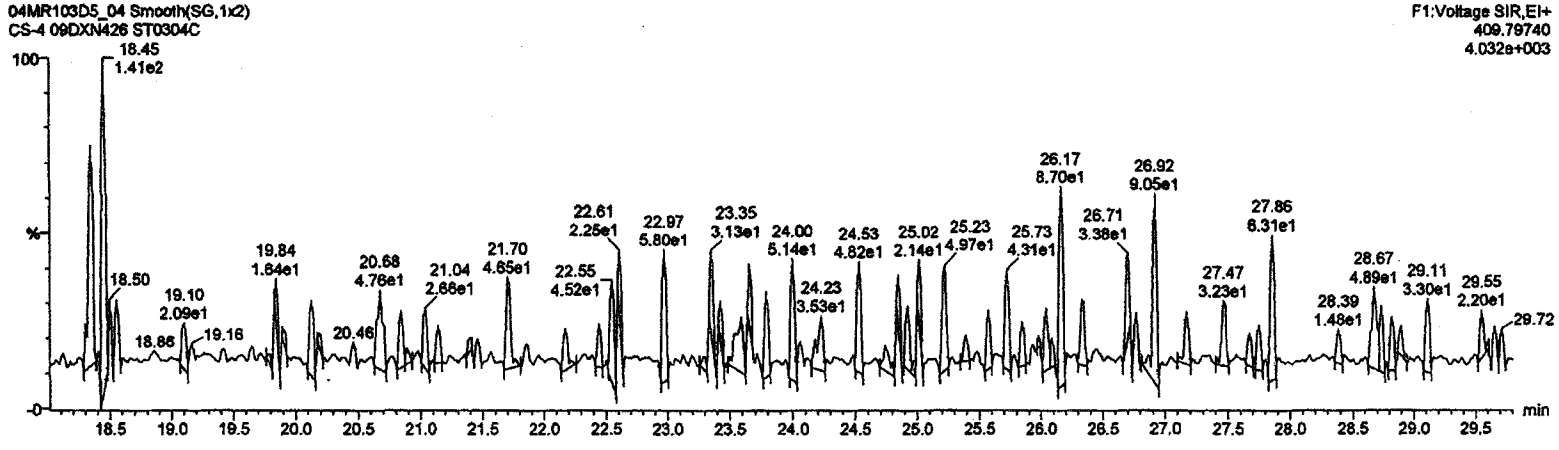

Quantify Sample Report **MassLynx 4.1**

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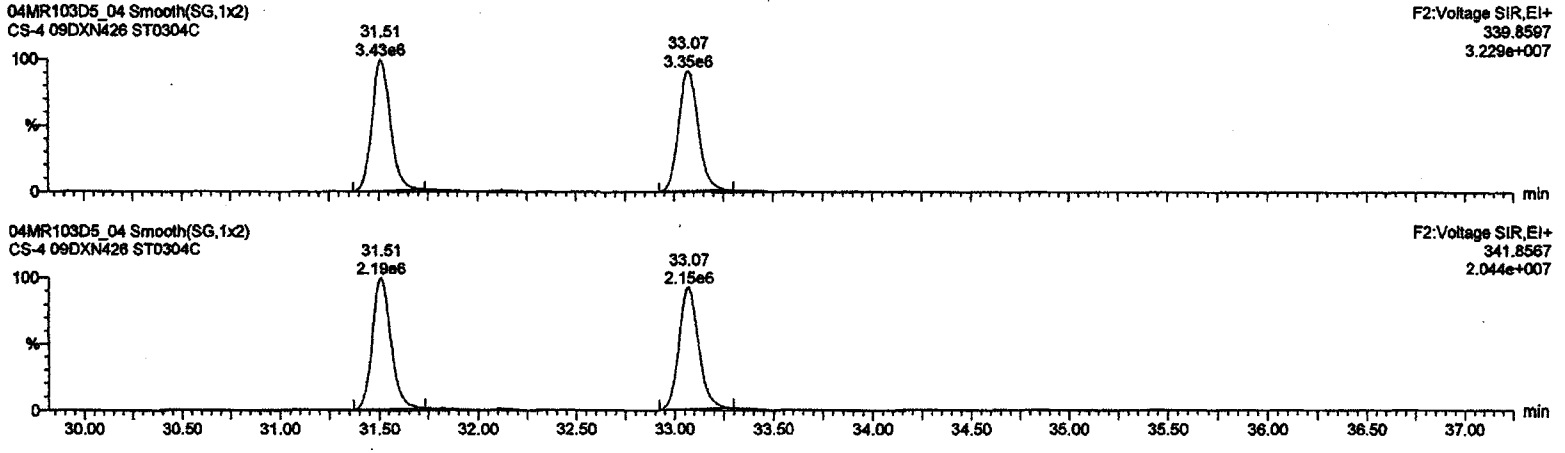
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

PeCDFs



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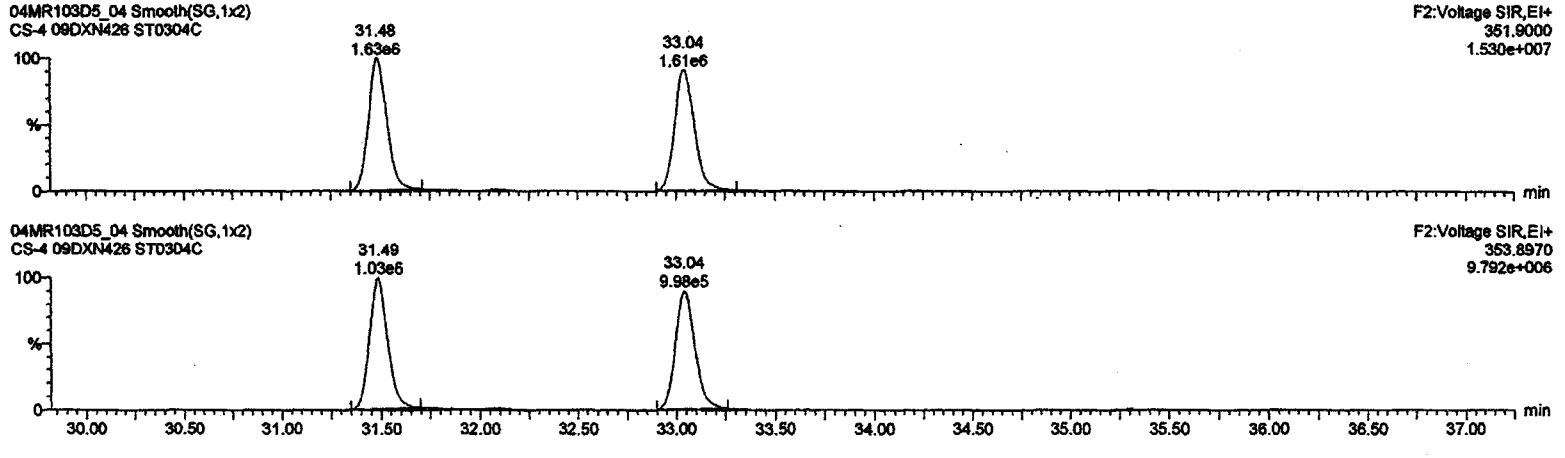

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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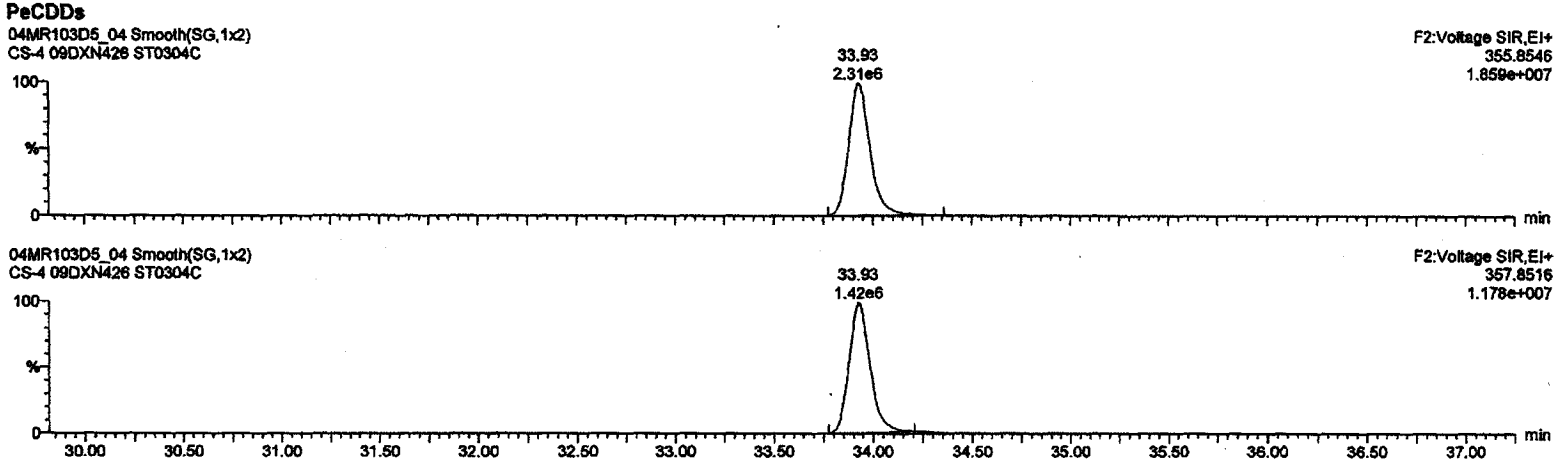
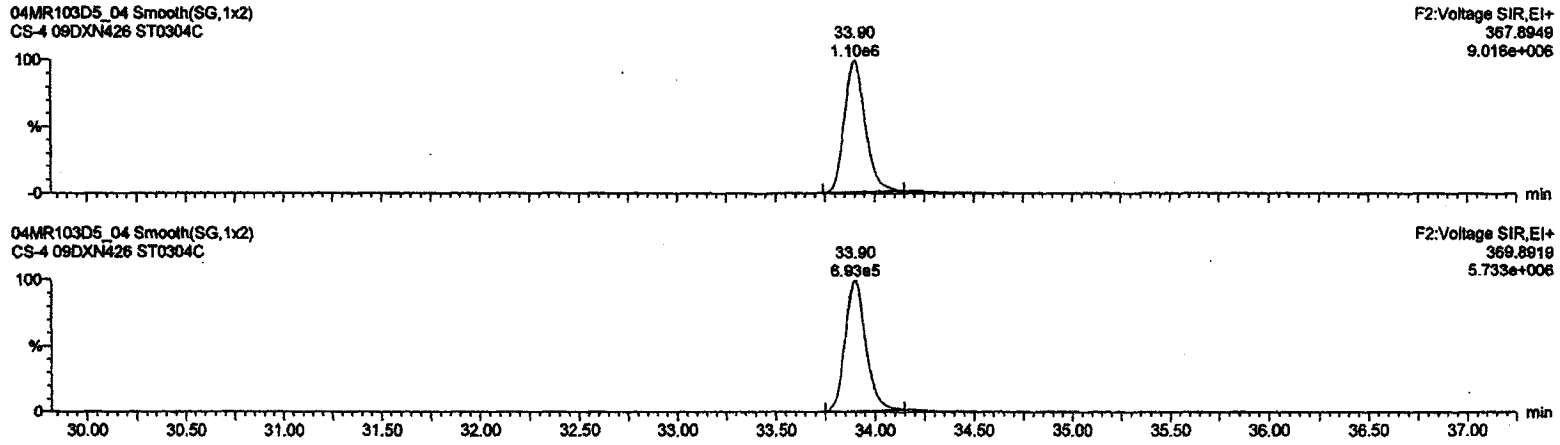
PeCDDs



13C-PeCDD



Quantify Sample Report **MassLynx 4.1**

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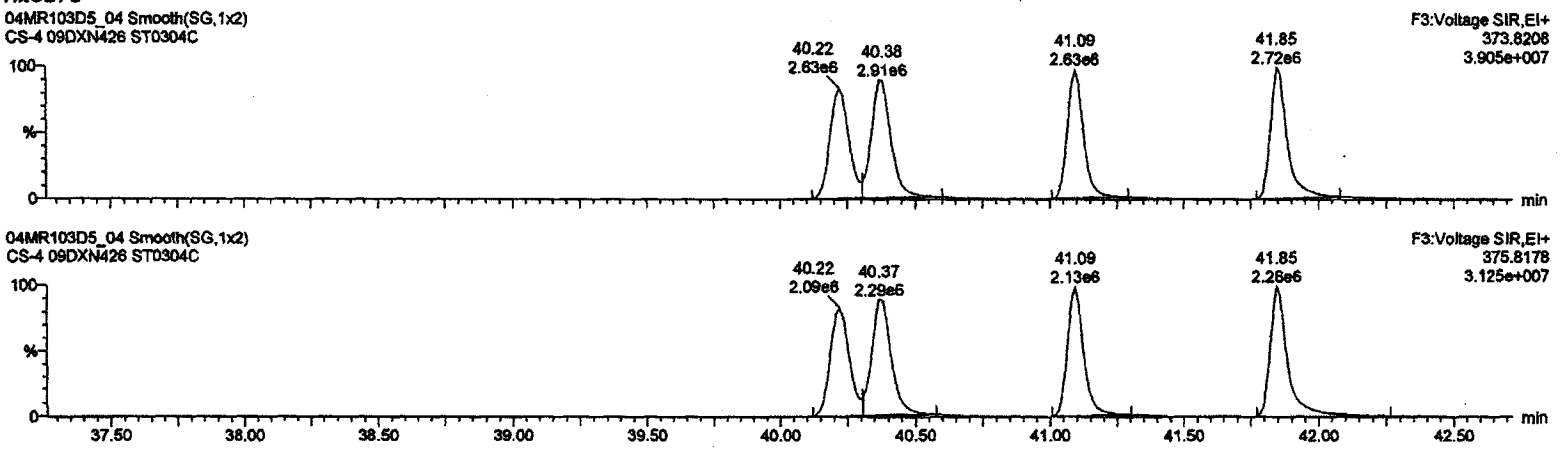
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

HxCDFs



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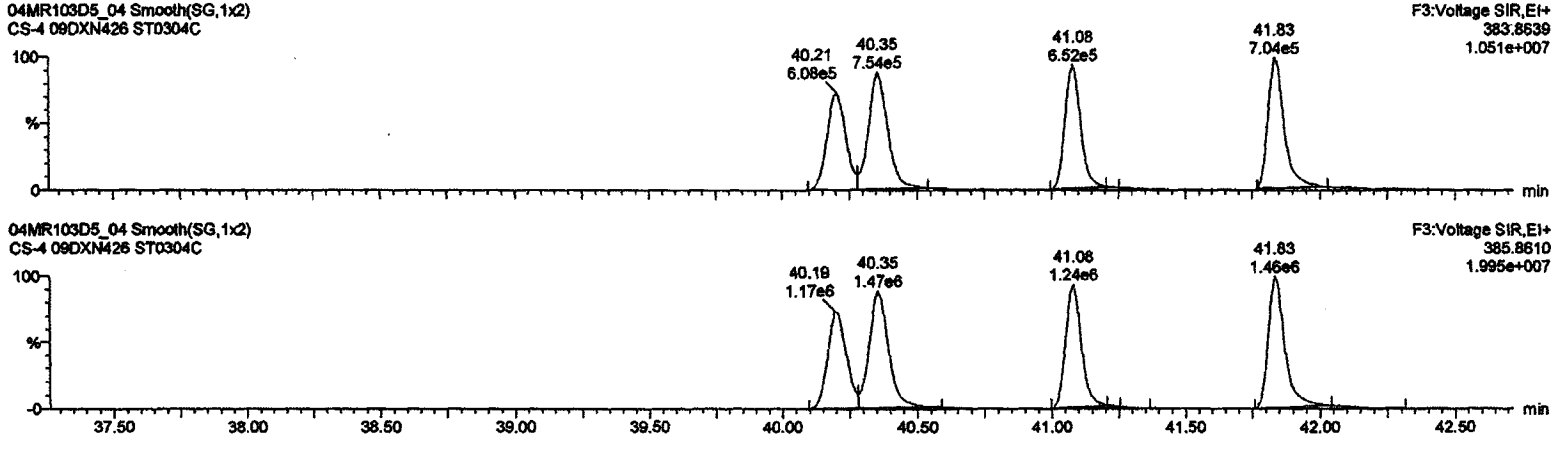

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

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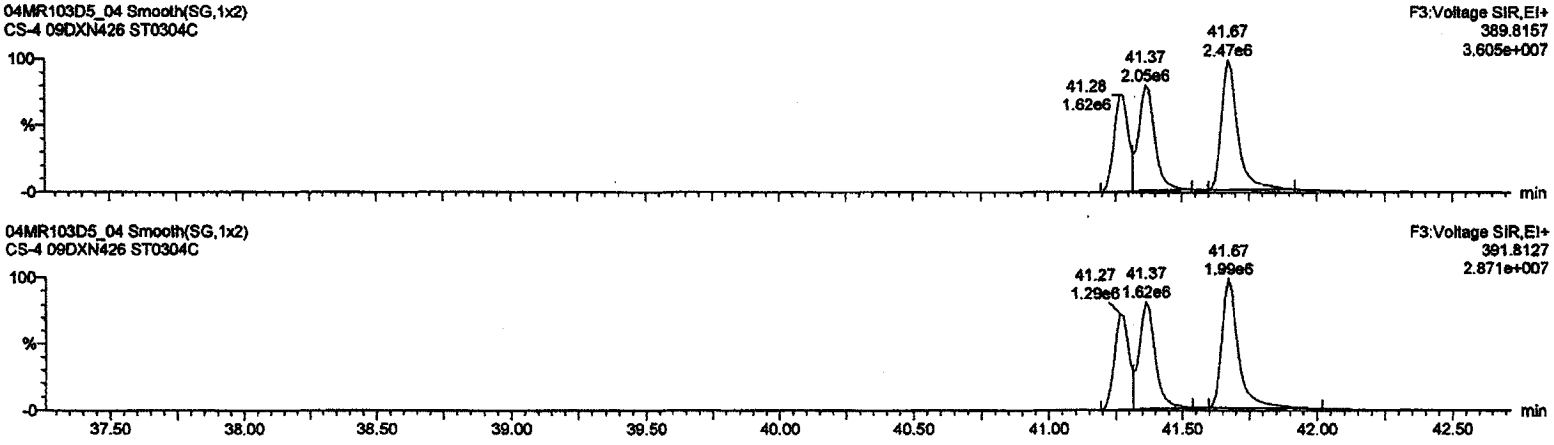
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

HxCDDs



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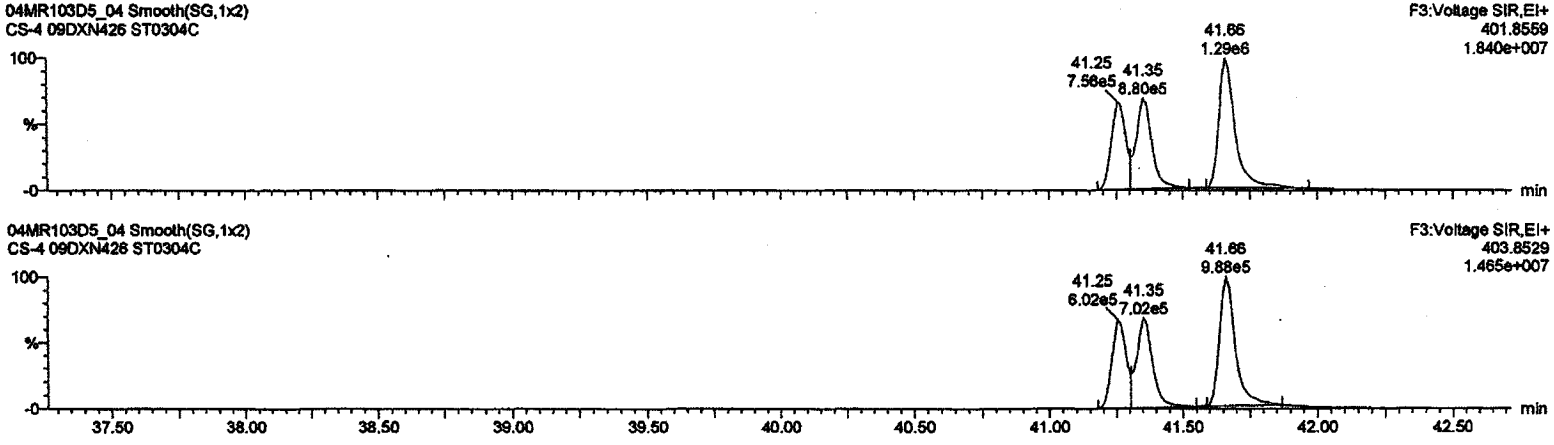

Quantify Sample Report **MassLynx 4.1**

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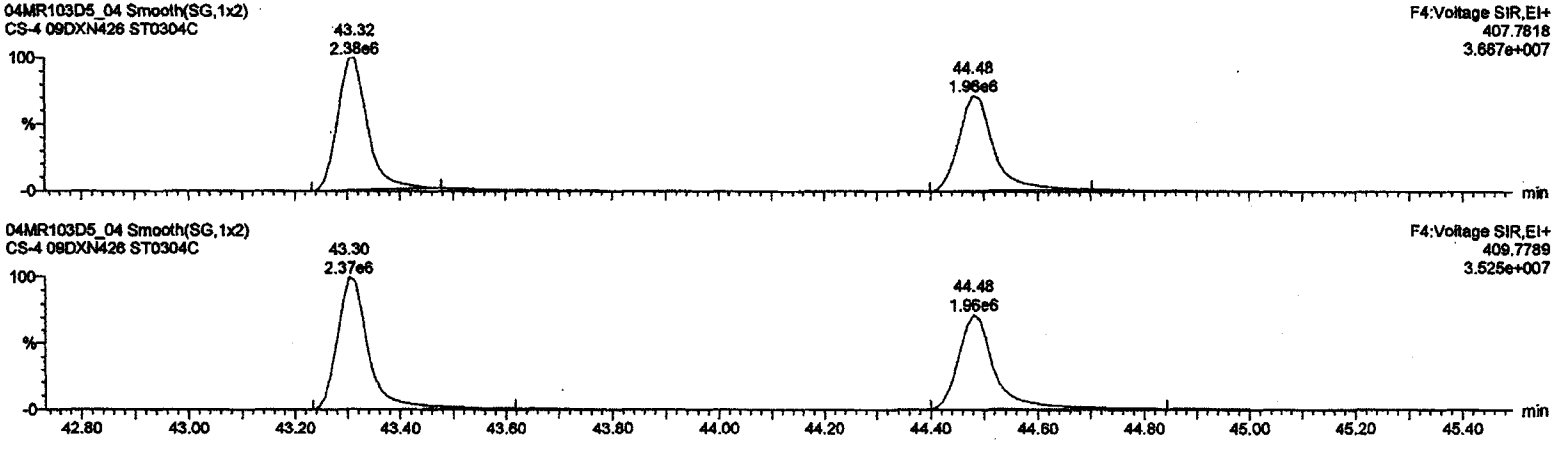
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

HpCDFs



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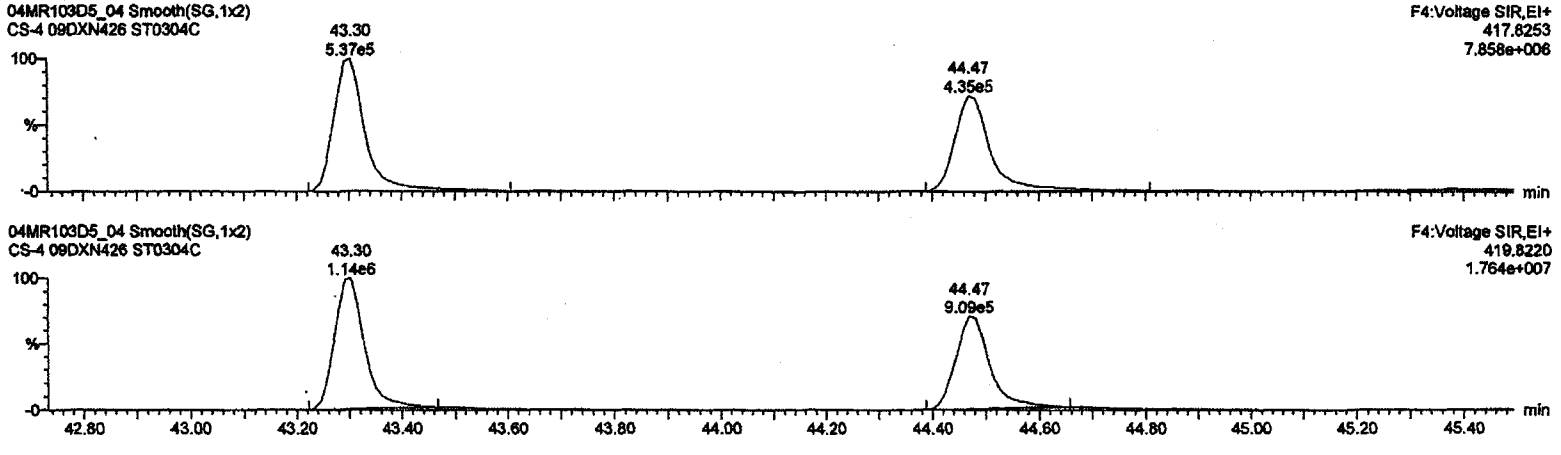

Quantify Sample Report **MassLynx 4.1**

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Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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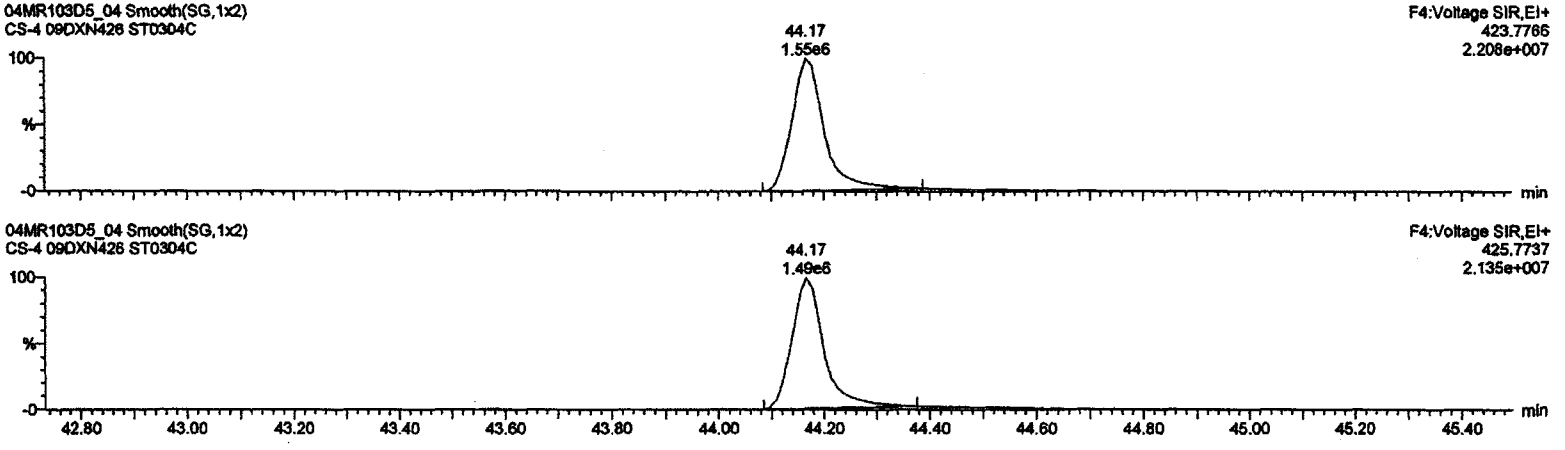
HpCDDs



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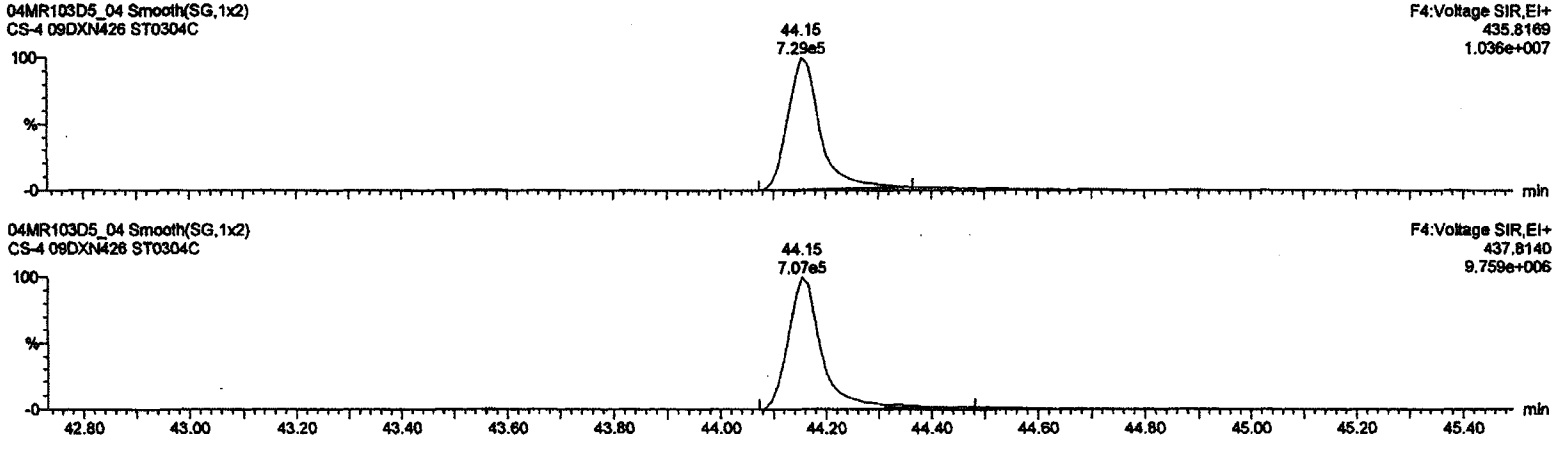

Quantify Sample Report **MassLynx 4.1**

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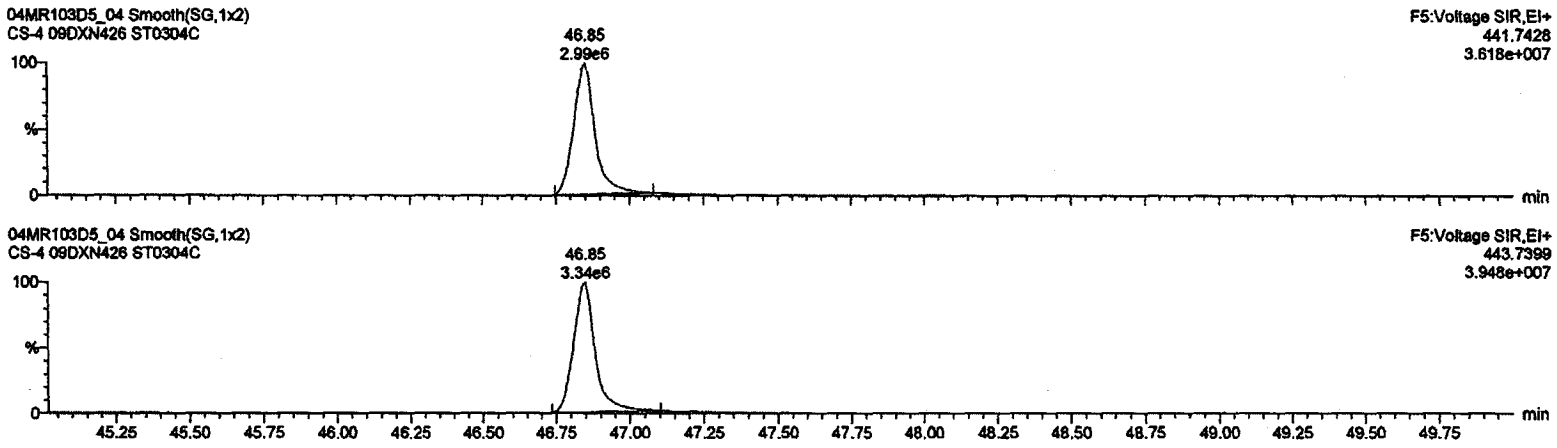
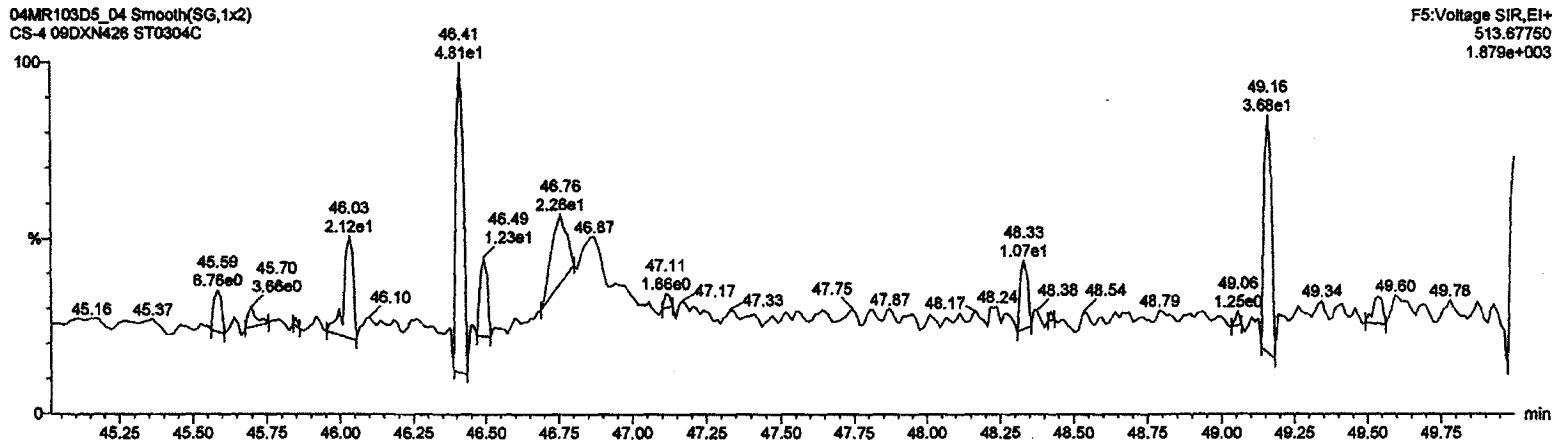
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

OCDFs



OCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

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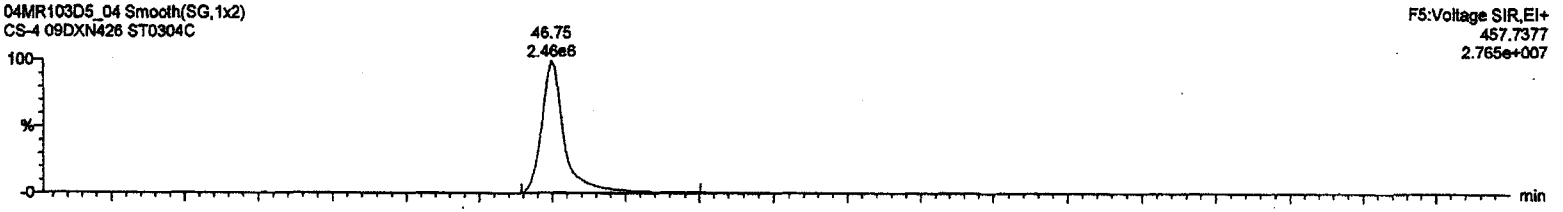
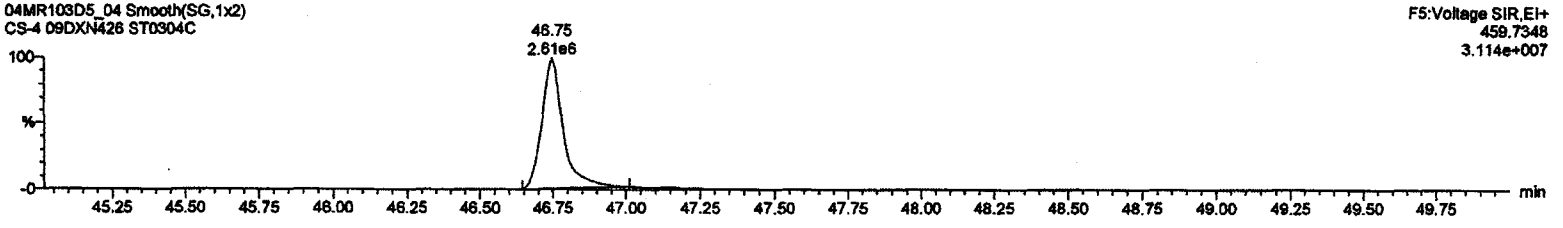
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

OCDD





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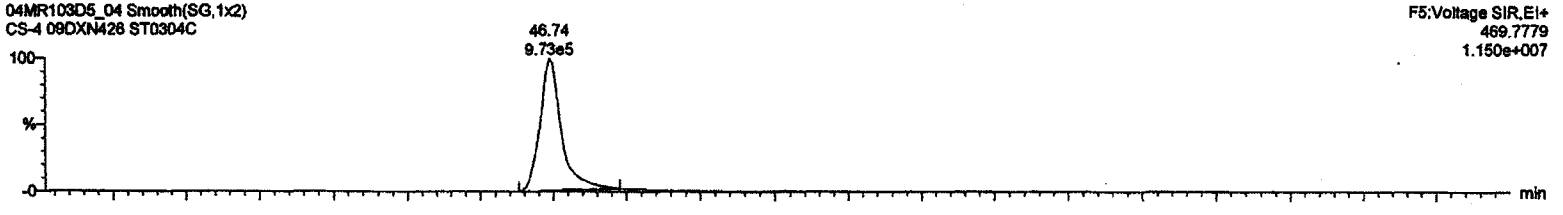
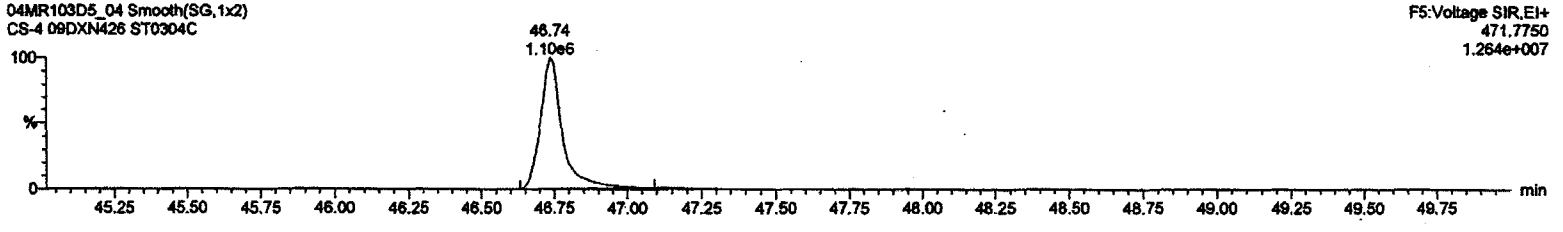




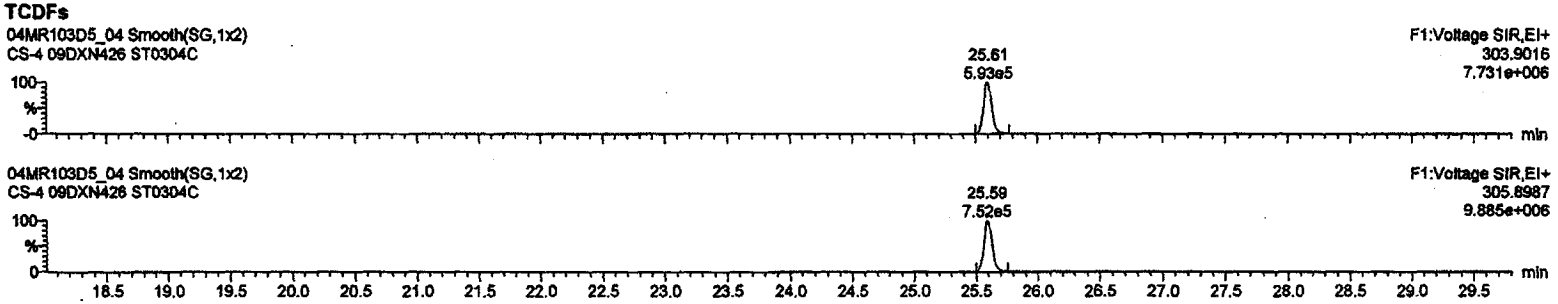
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

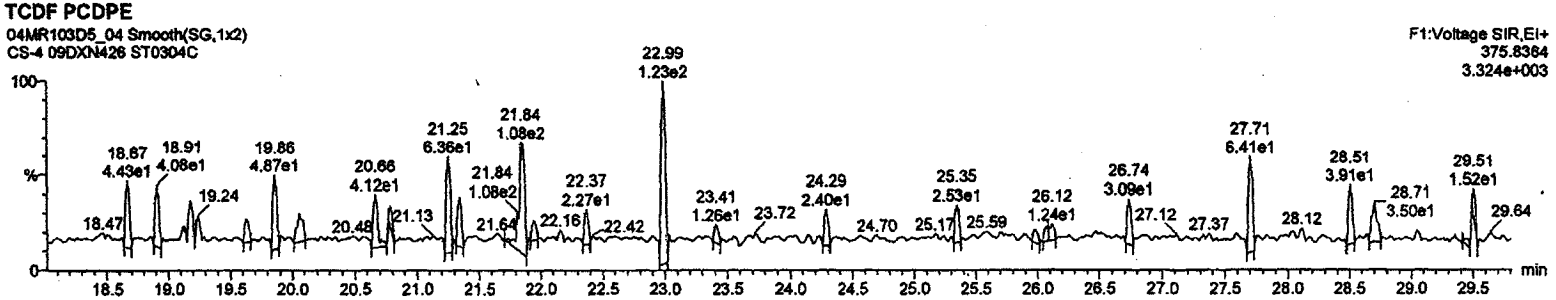
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

TCDFs



TCDF PCDPE



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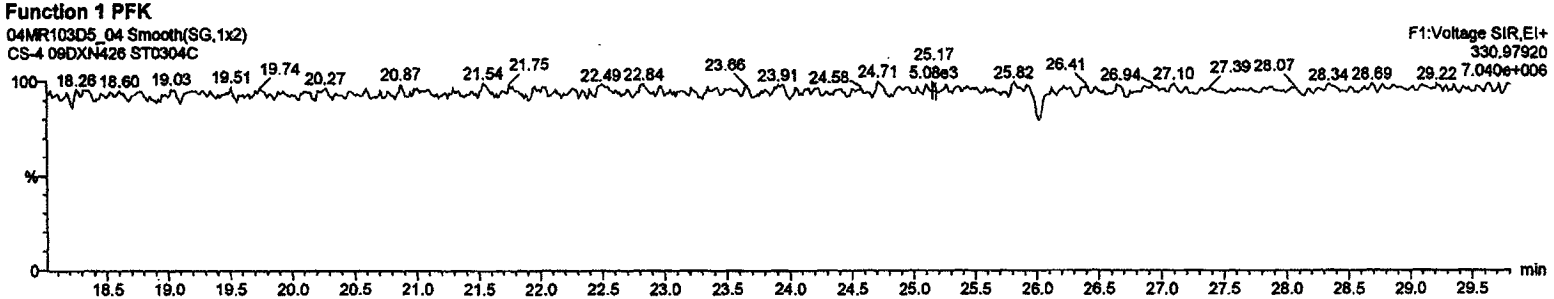

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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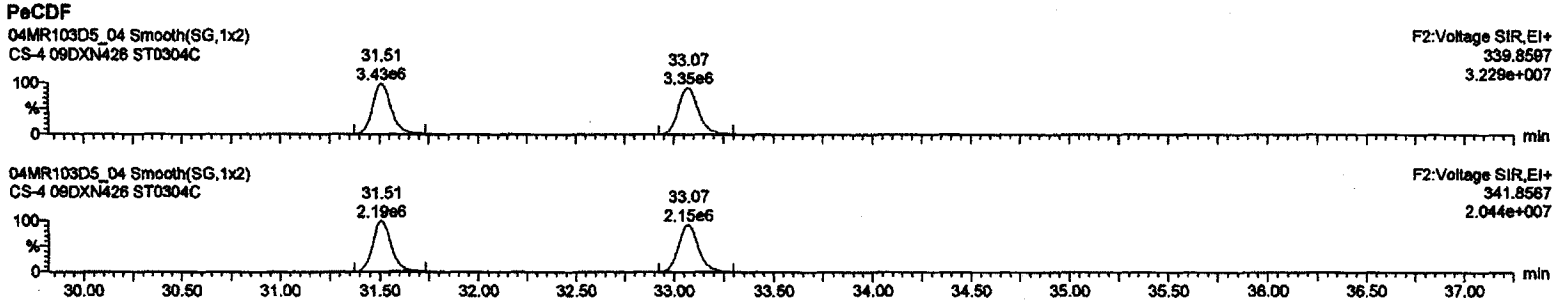
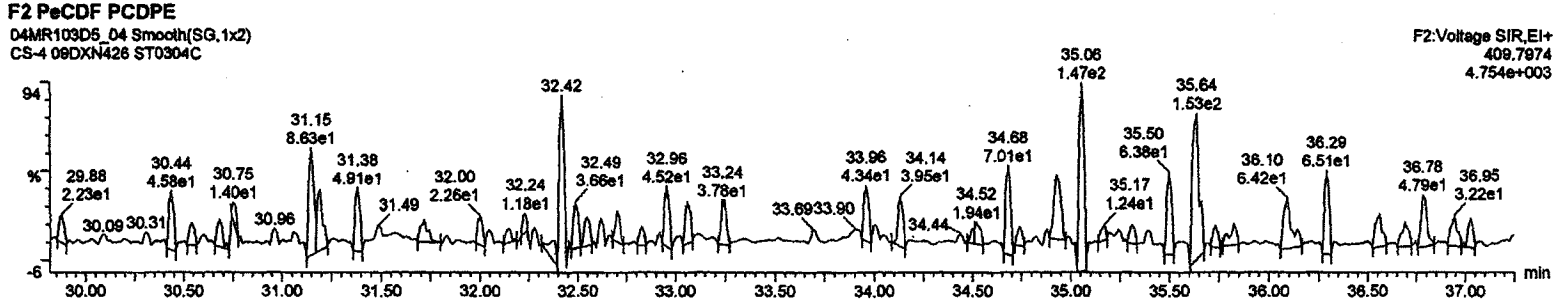
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

PeCDF



F2 PeCDF PCDPE



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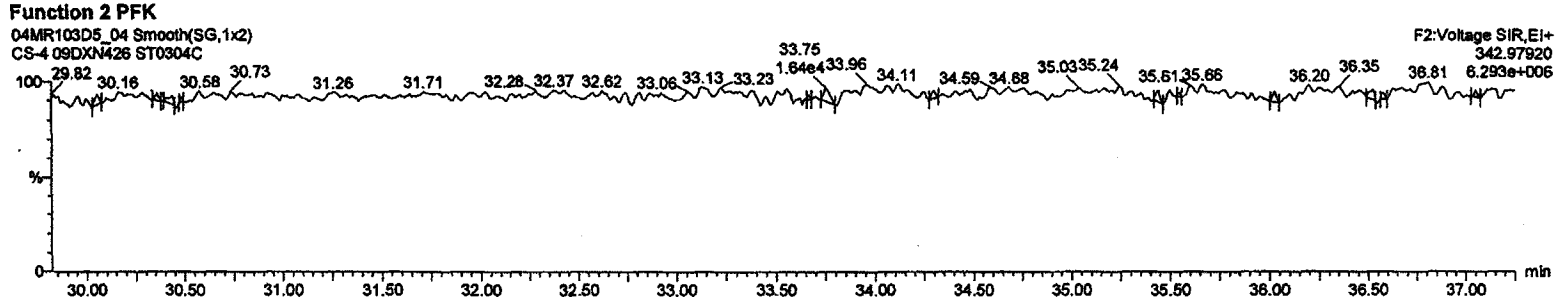

Quantify Sample Report **MassLynx 4.1**

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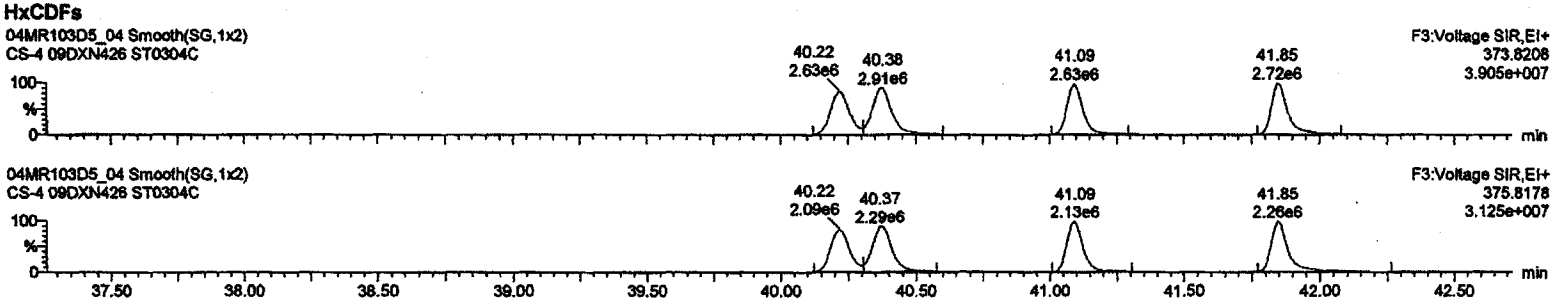
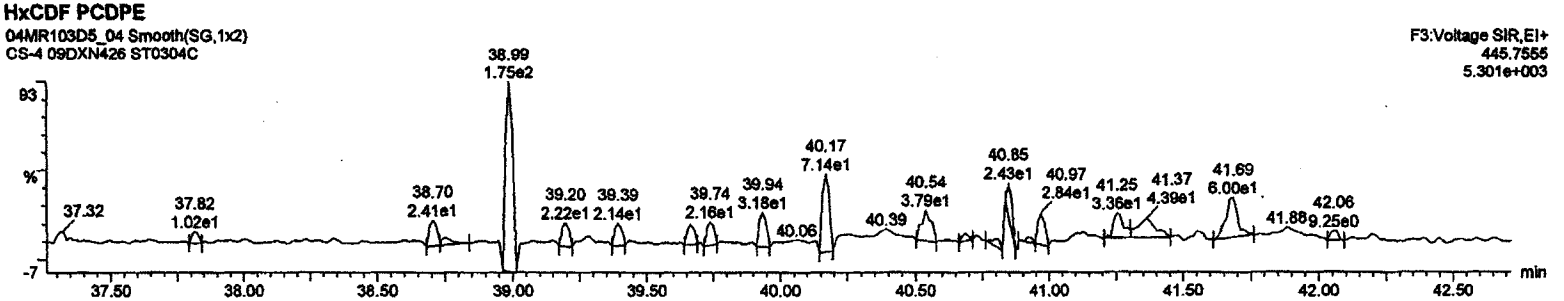
Last Altered: Thursday, March 04, 2010 15:26:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

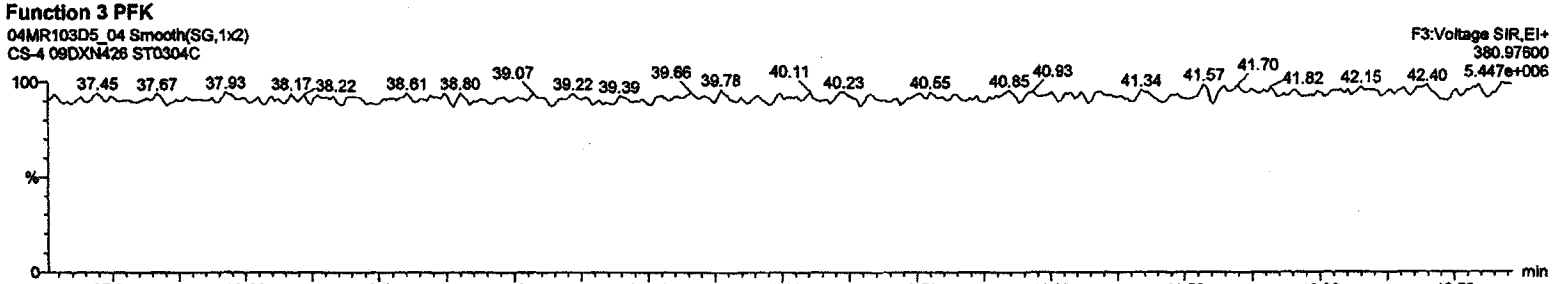
HxCDFs



HxCDF PCDPE



Function 3 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
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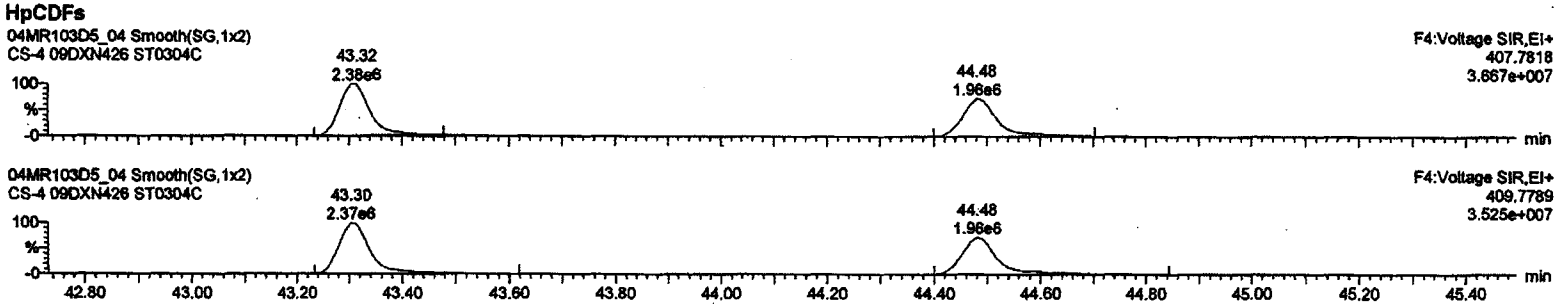
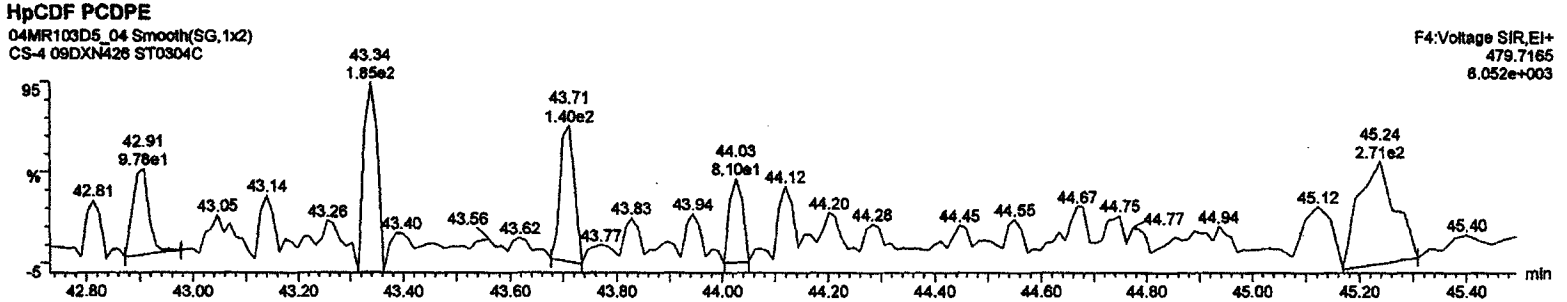
Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

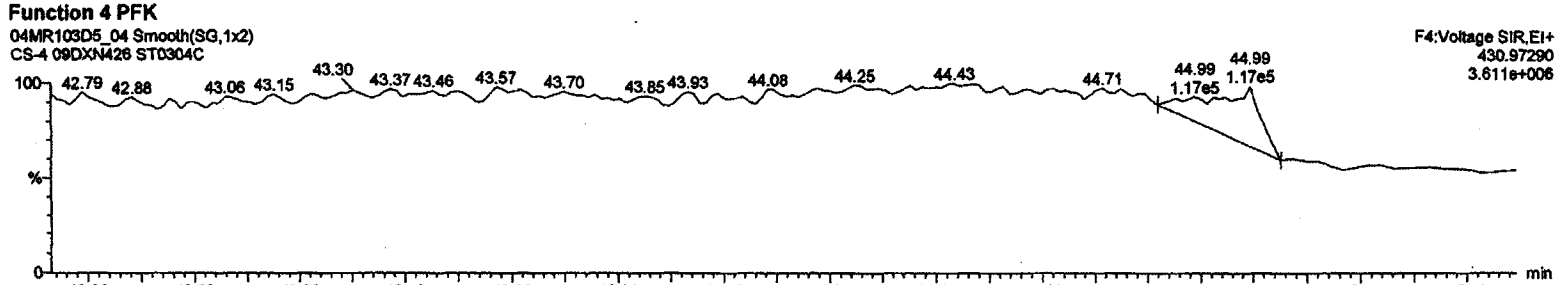
HpCDFs



HpCDF PCDPE



Function 4 PFK



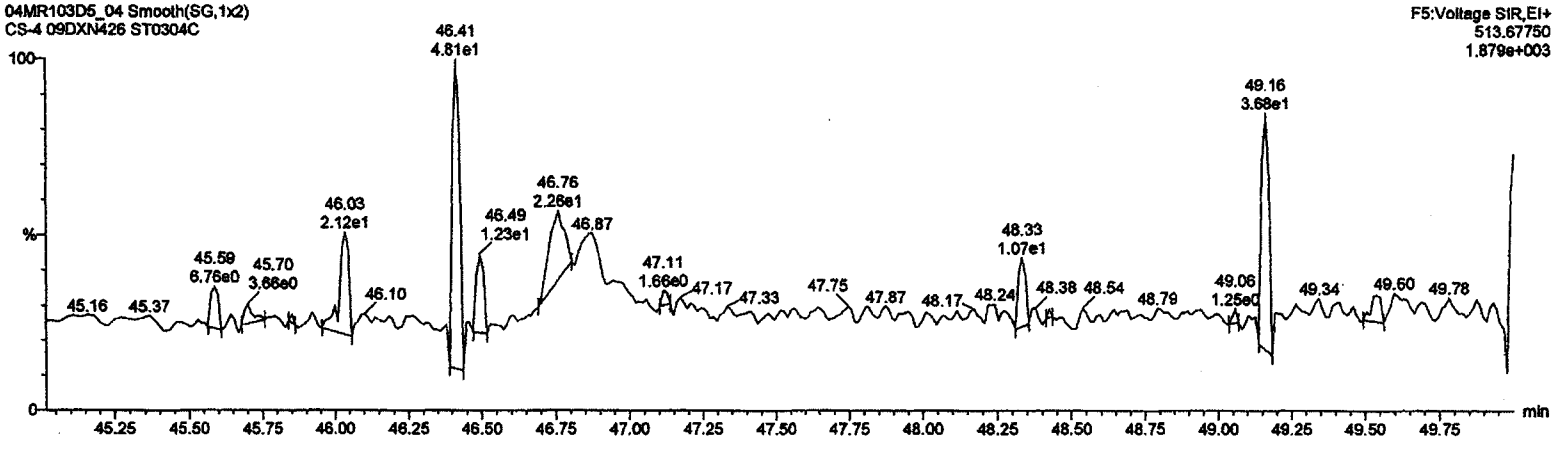
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

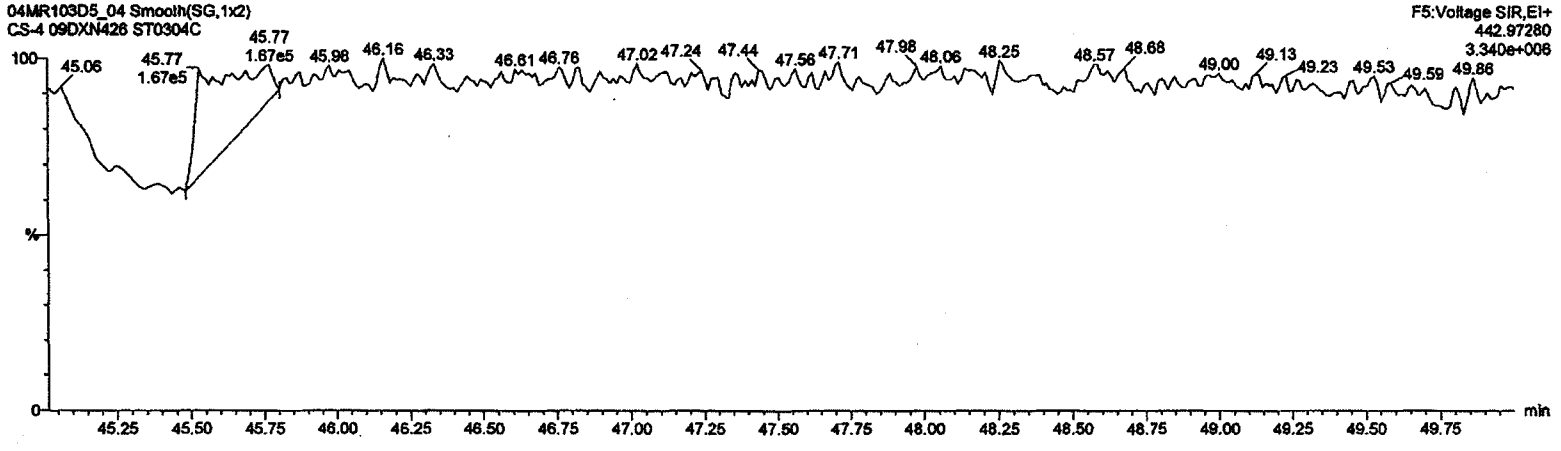
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_04, Date: 04-Mar-2010, Time: 13:44:27, ID: ST0304C, Description: CS-4 09DXN426

OCDF PCDPE



Function 5 PFK



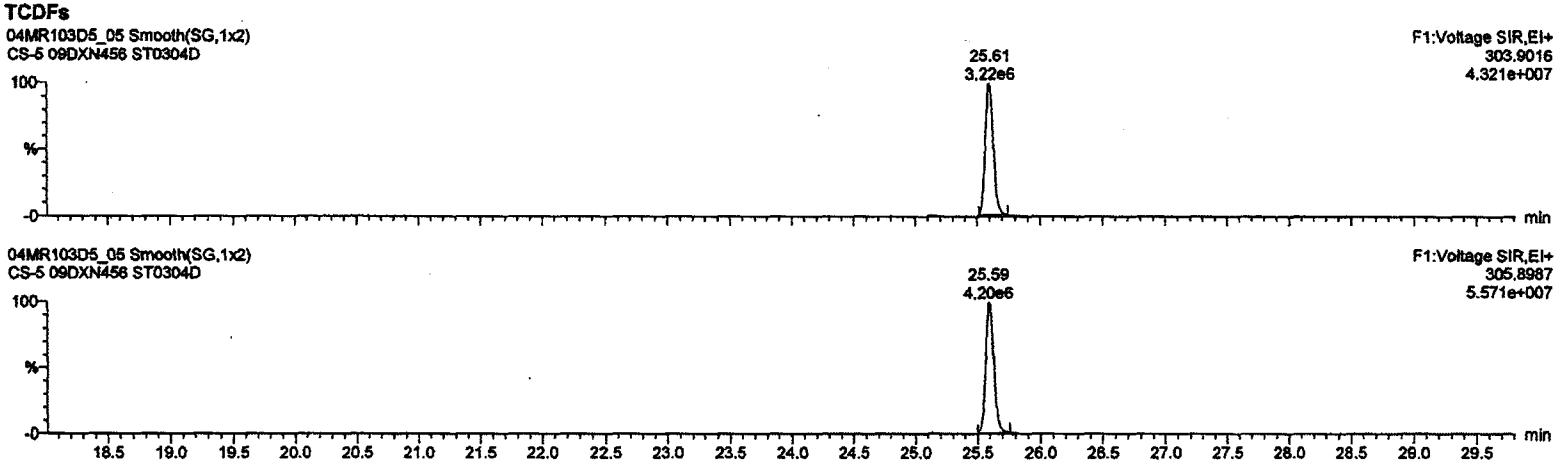
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

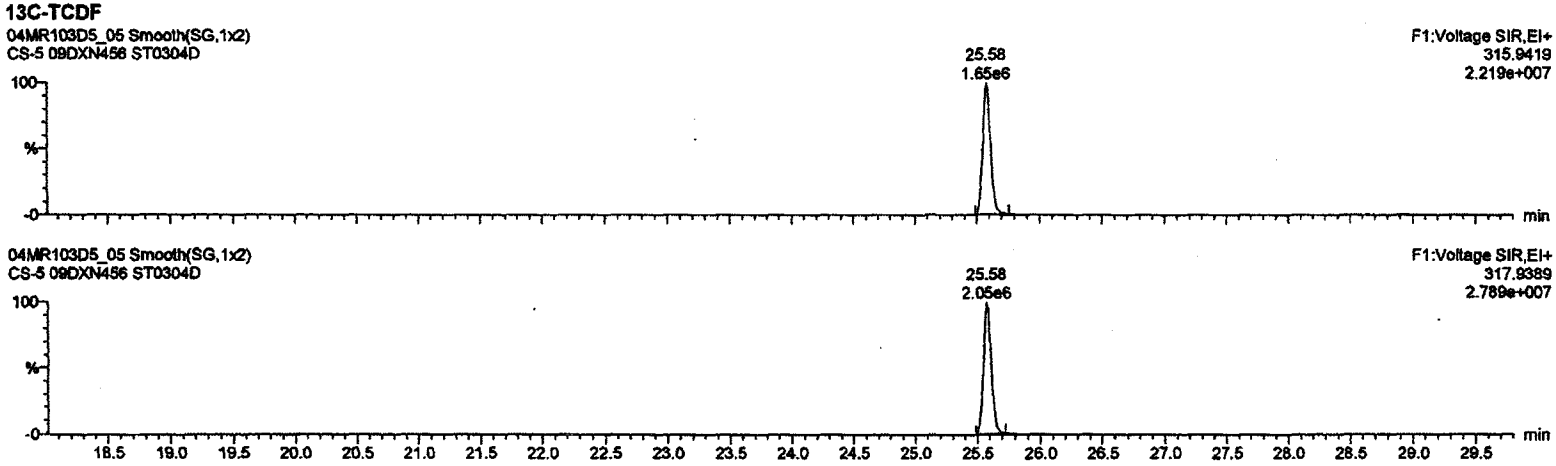
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

TCDFs



13C-TCDF



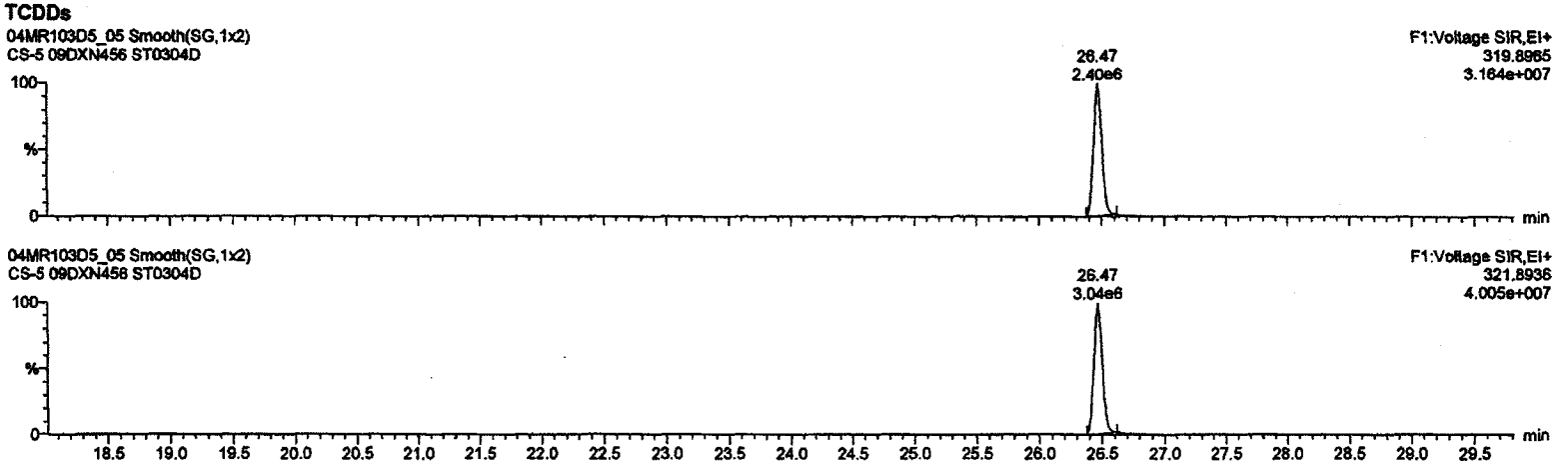
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

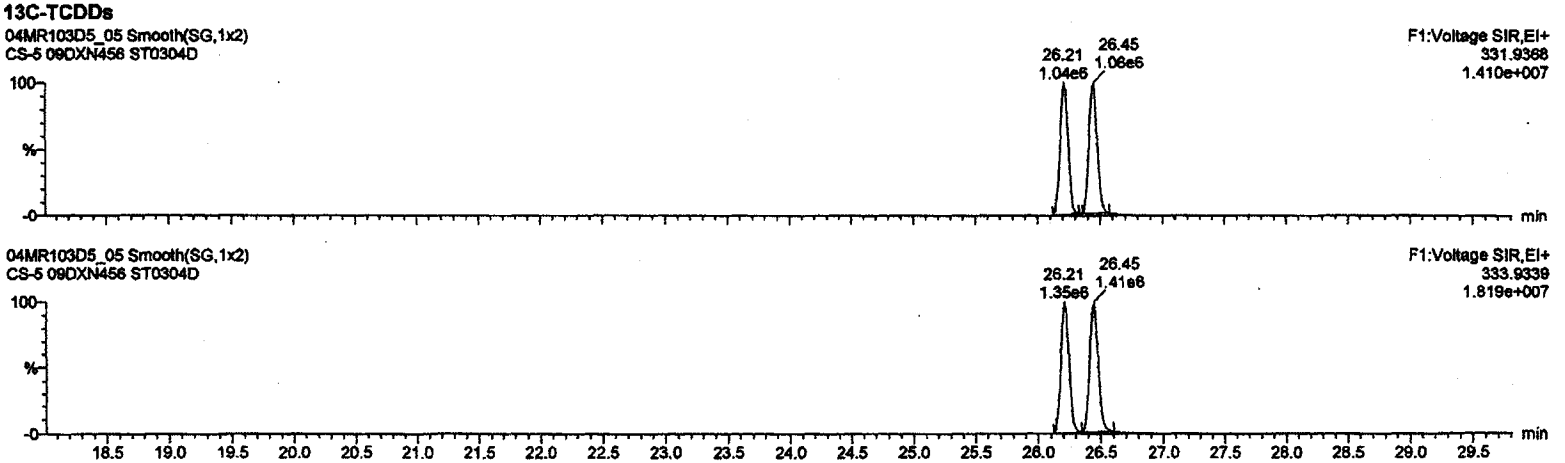
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

TCDDs



13C-TCDDs



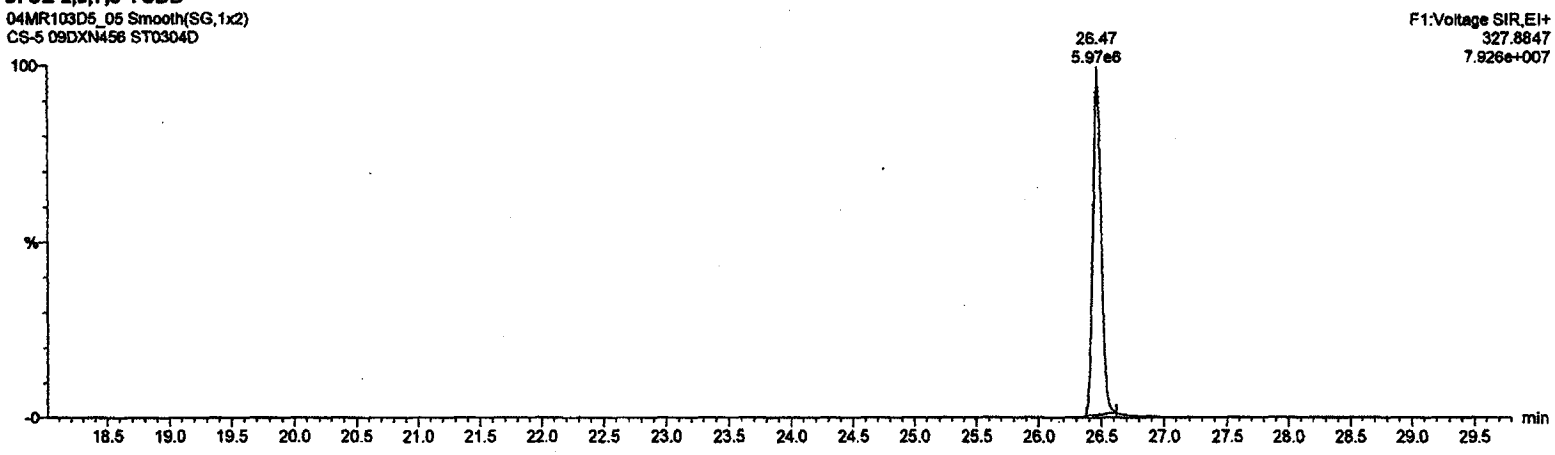
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

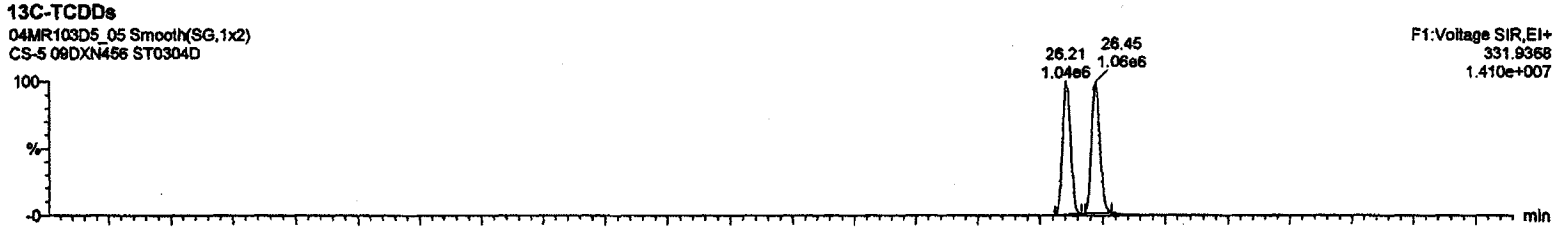
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

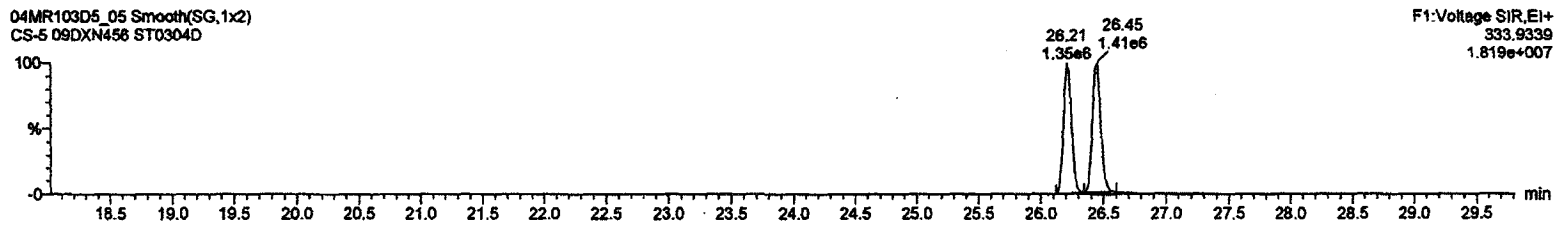
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

37CL-2,3,7,8-TCDD



13C-TCDDs





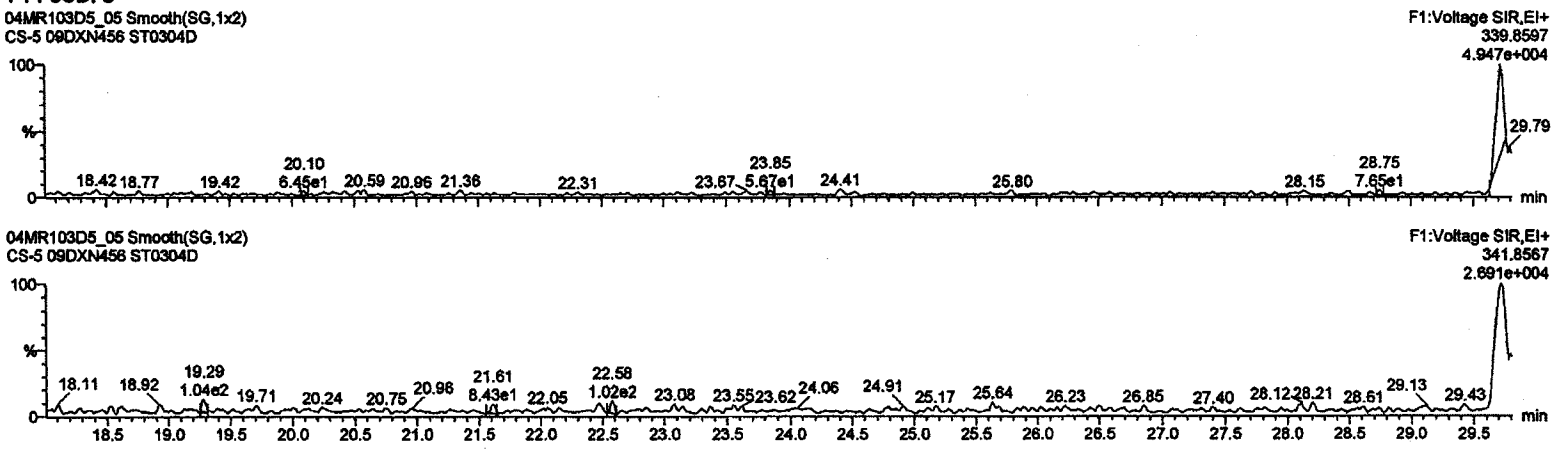
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

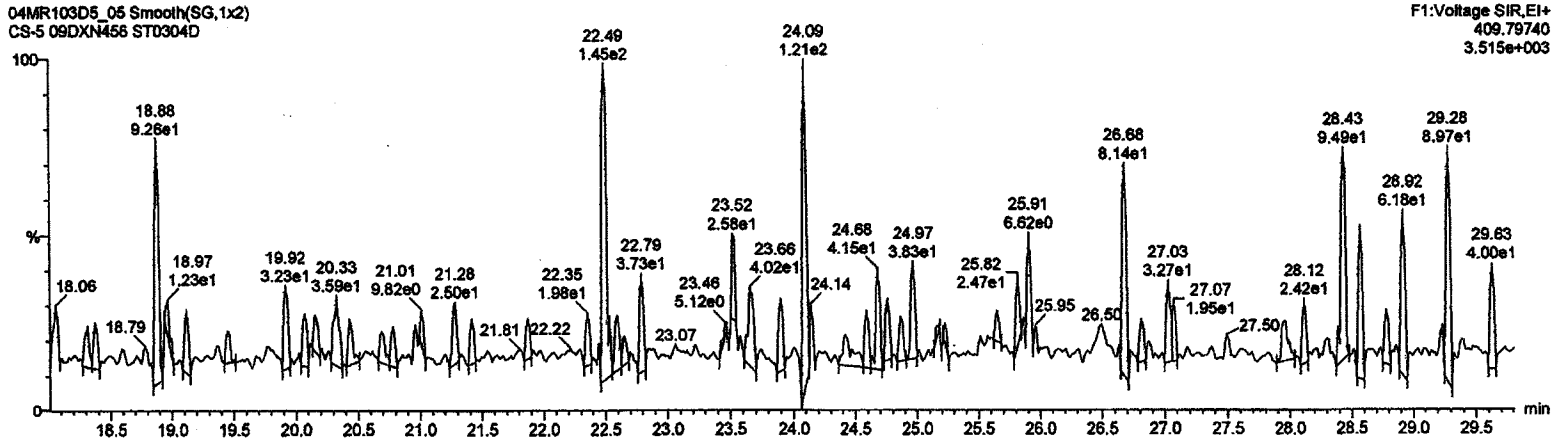
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

F1 PeCDFs



F1 PeCDF PCDPE



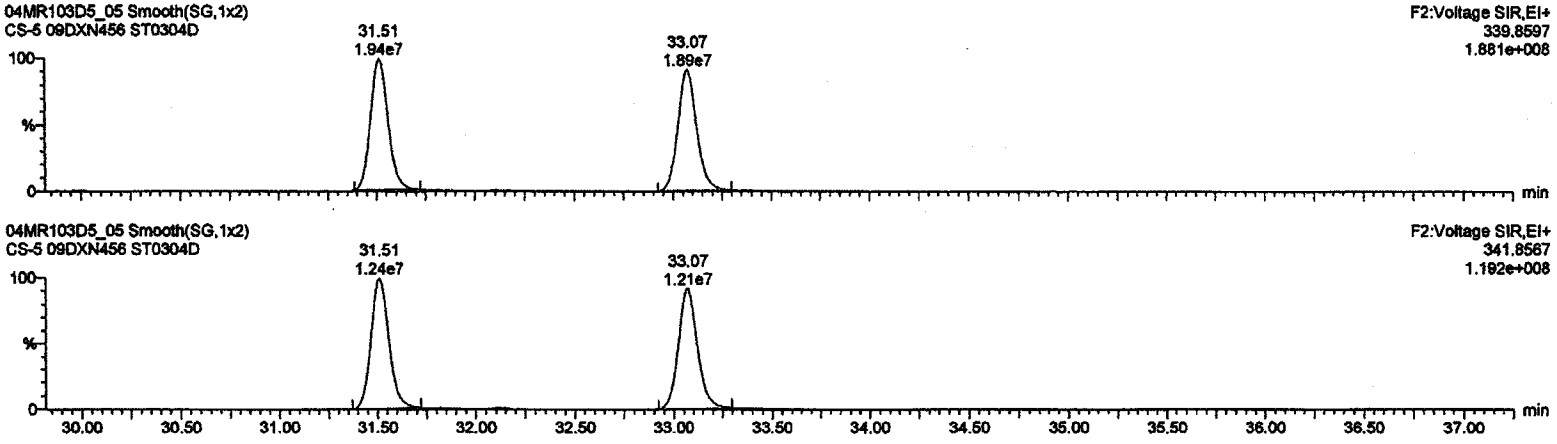
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

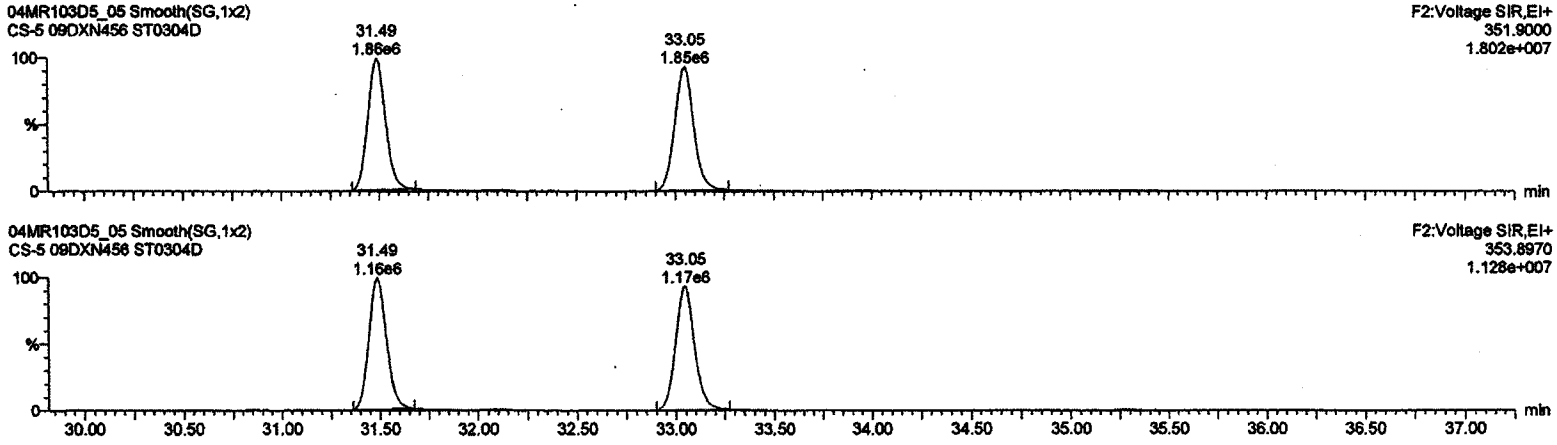
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

PeCDFs



13C-PeCDFs



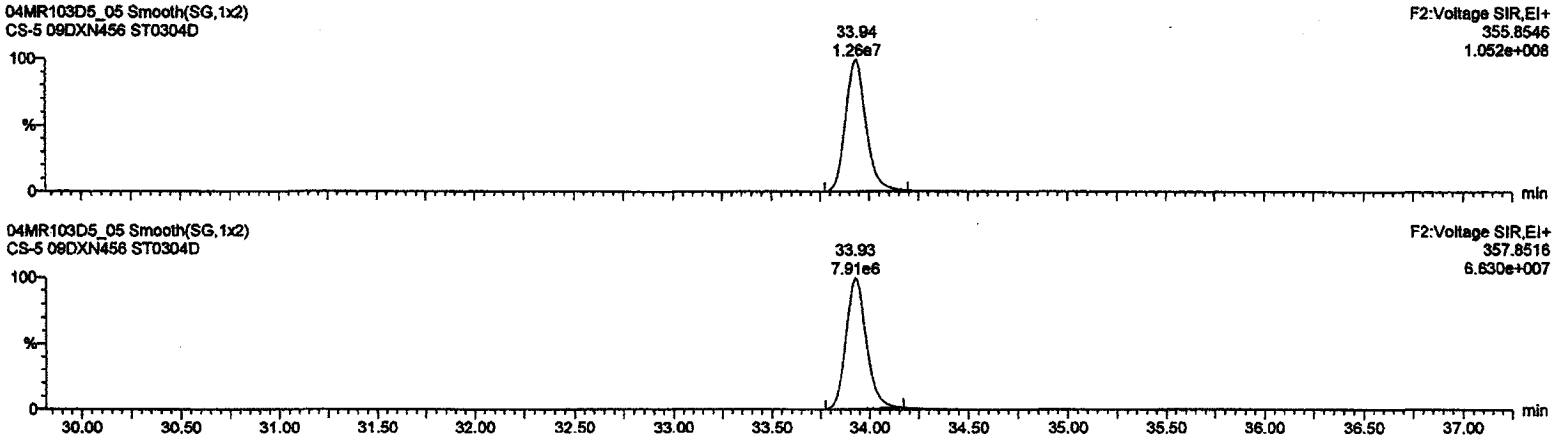
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

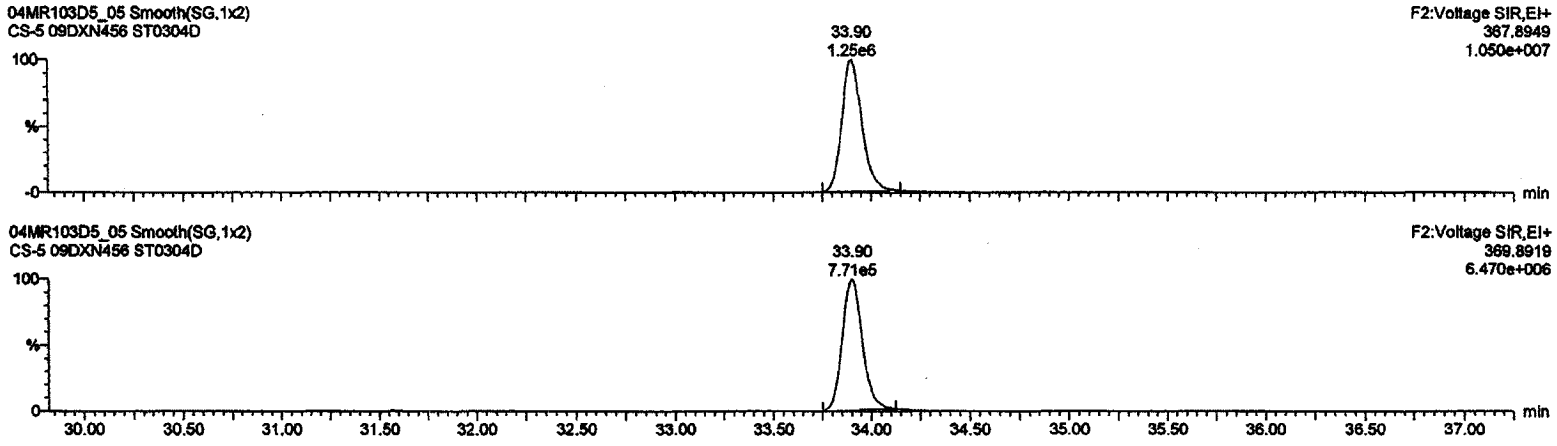
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

PeCDDs



13C-PeCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

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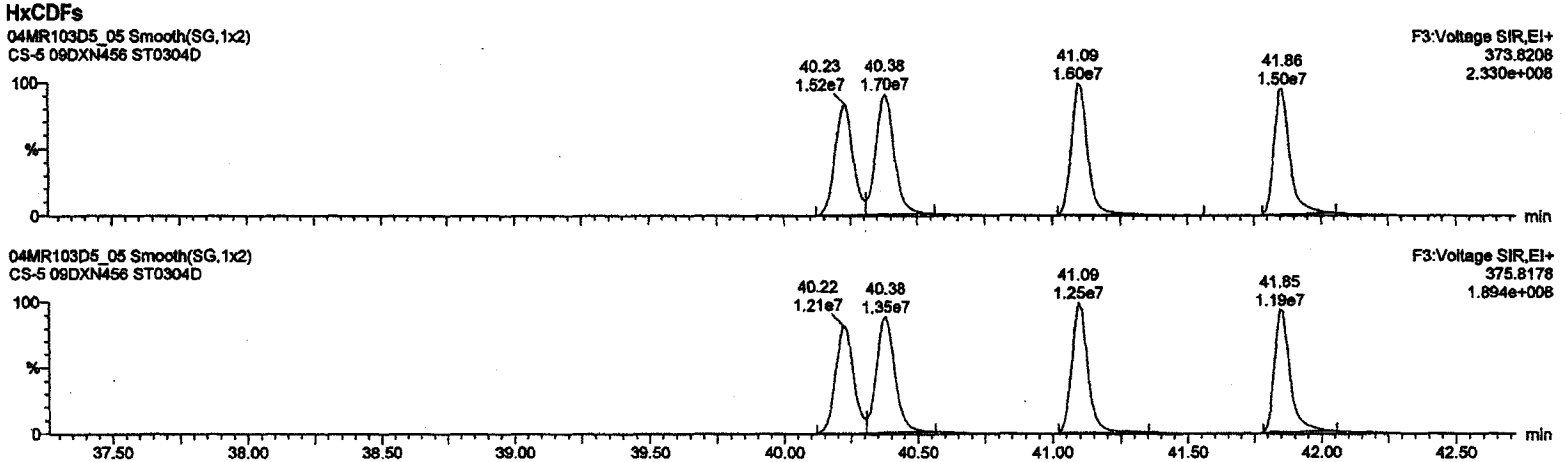
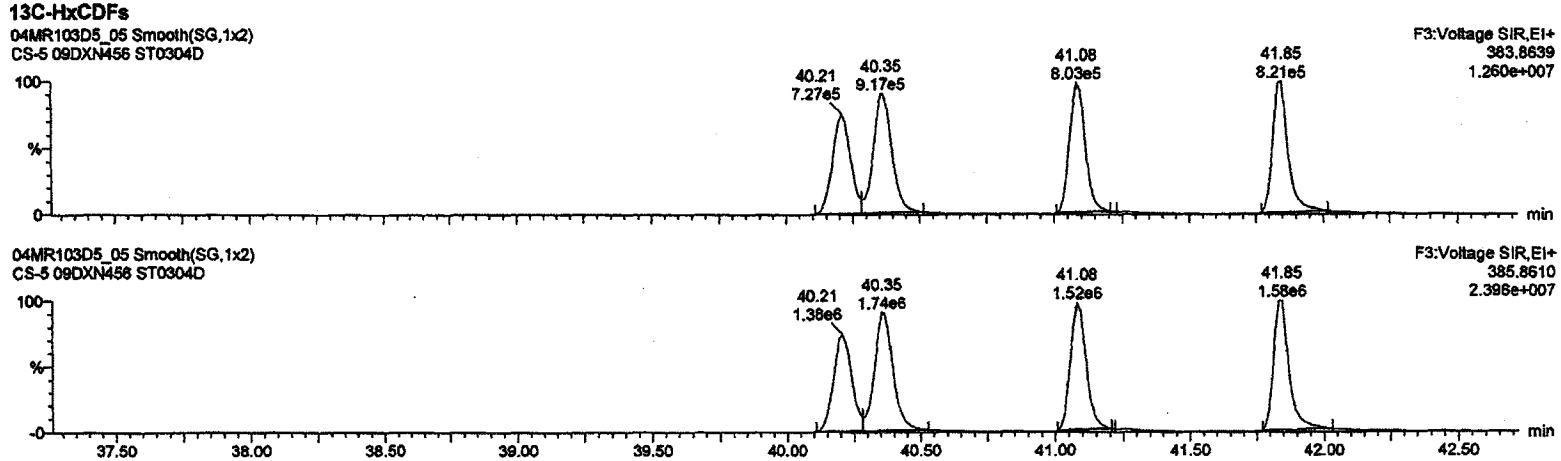
HxCDFs



13C-HxCDFs



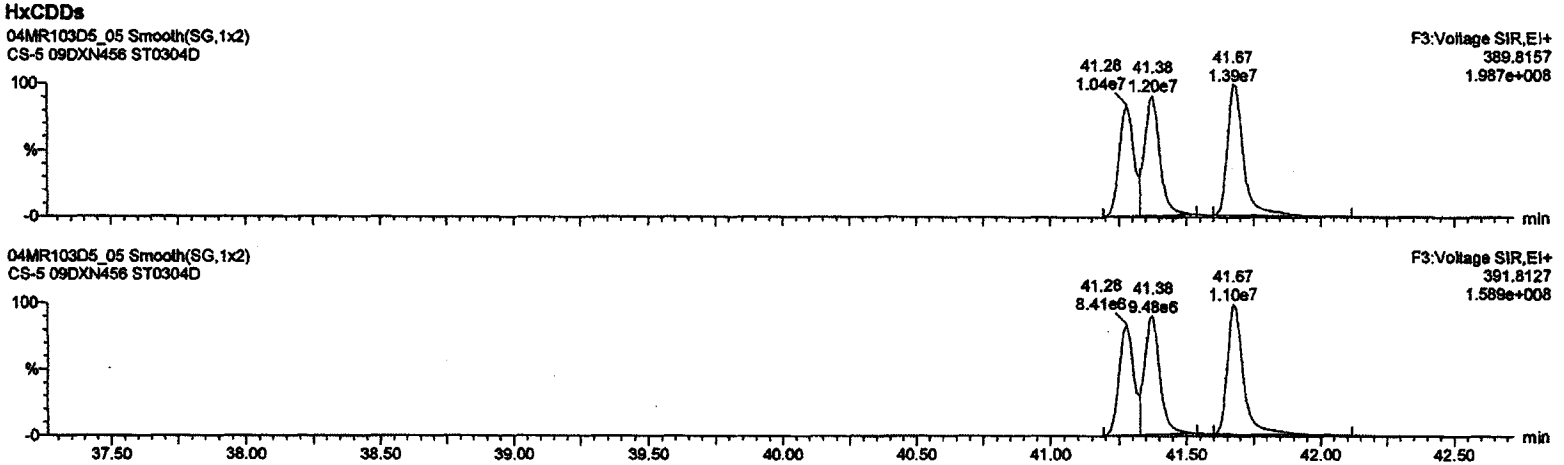
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

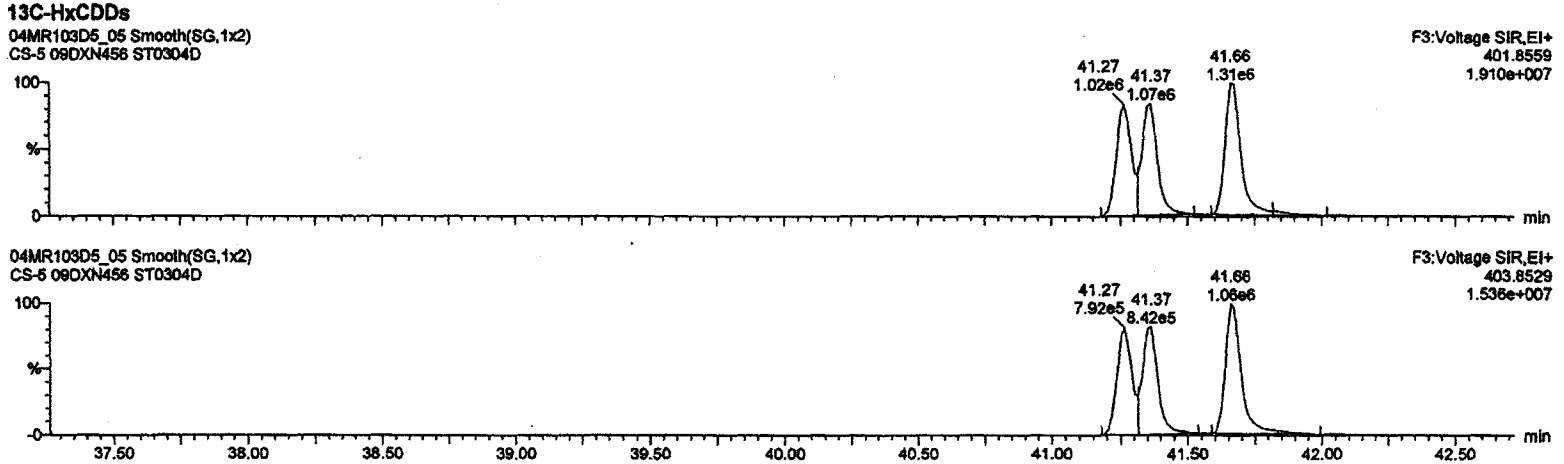
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

HxCDDs



13C-HxCDDs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

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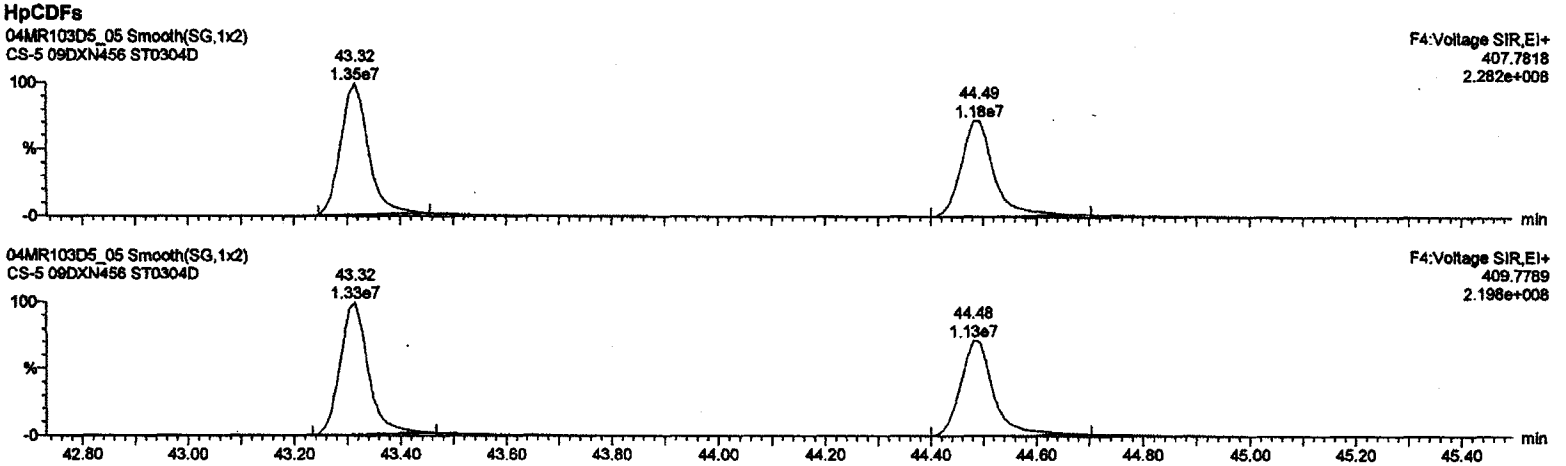
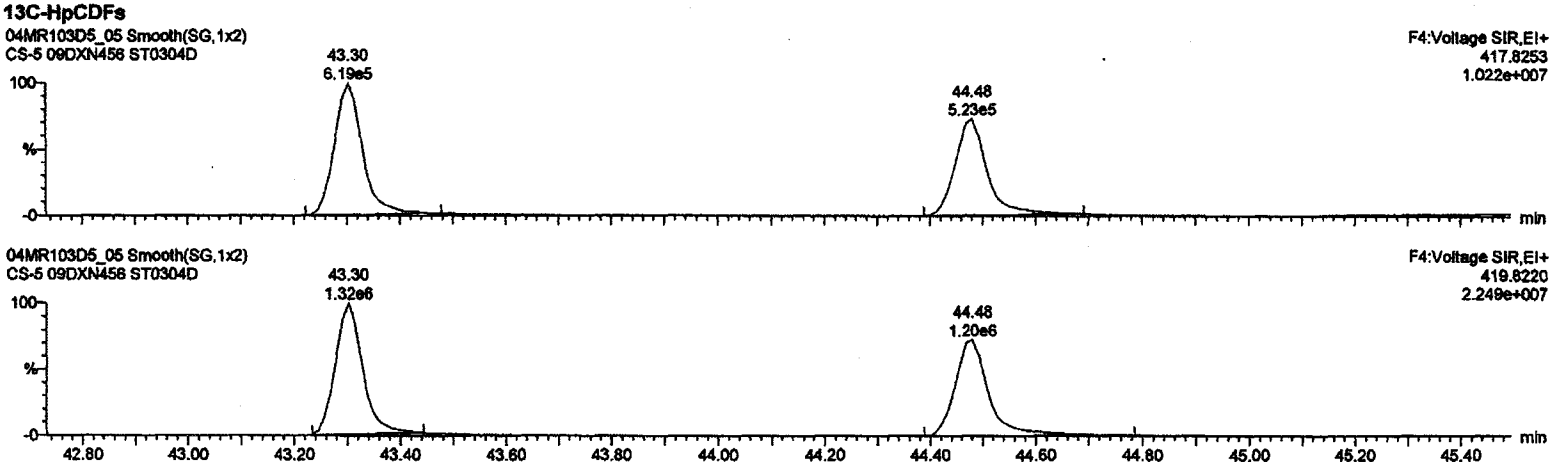
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

HpCDFs



13C-HpCDFs



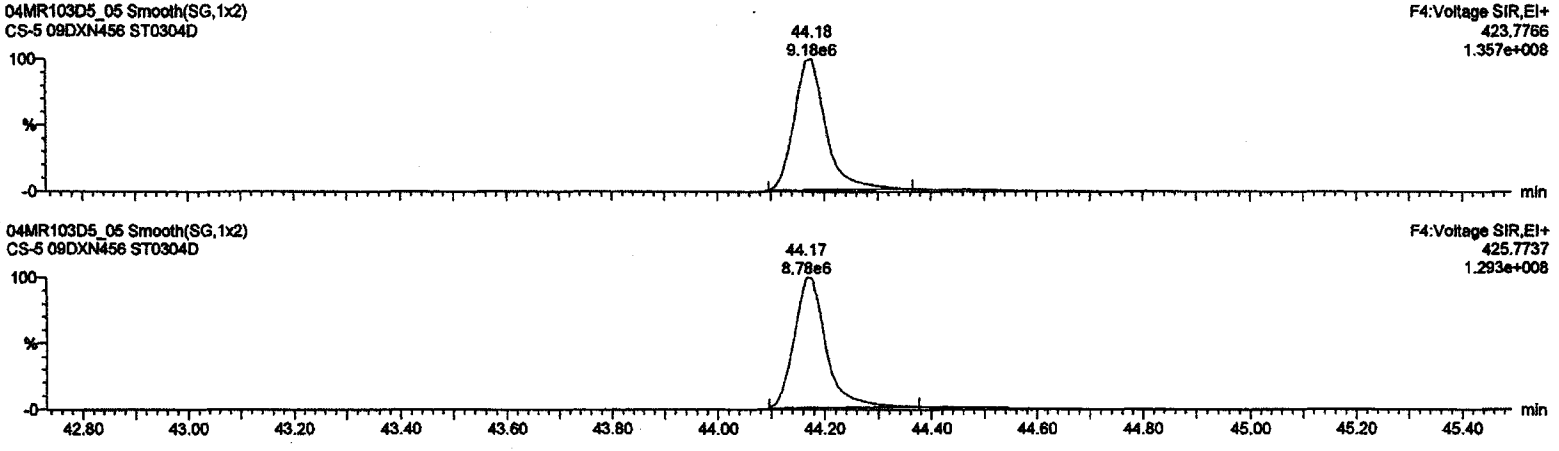
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

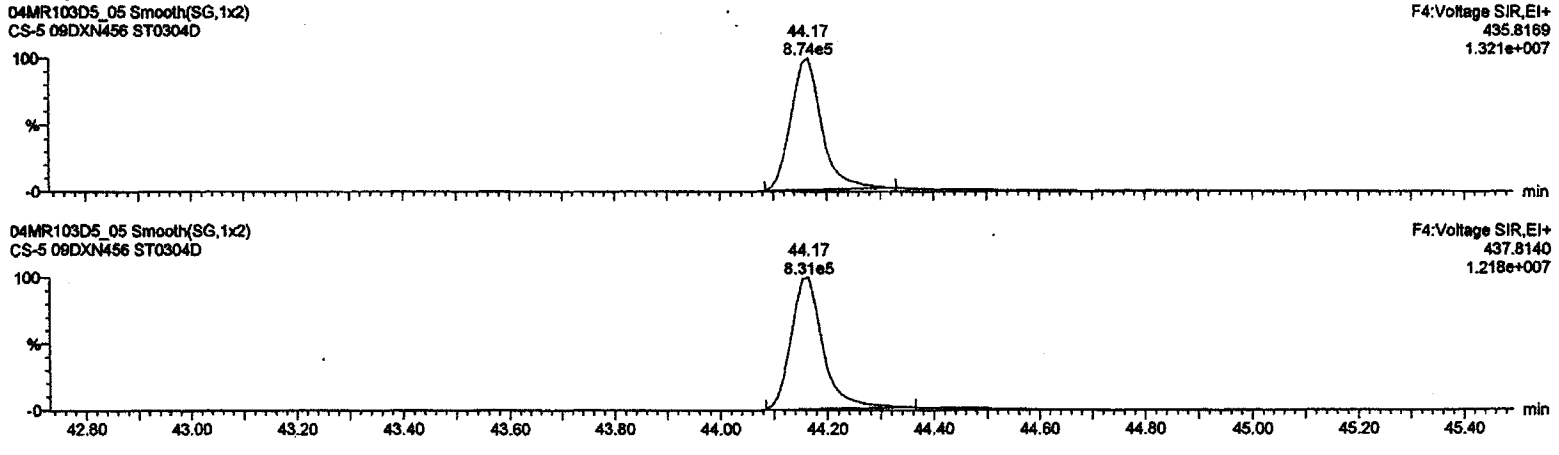
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

HpCDDs



13C-HpCDD



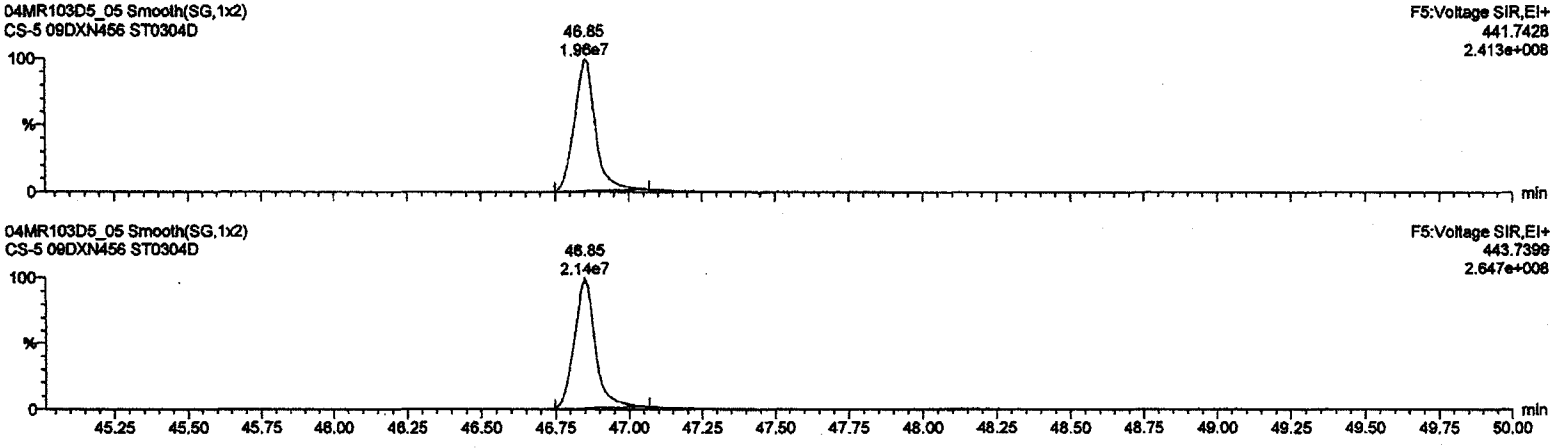
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

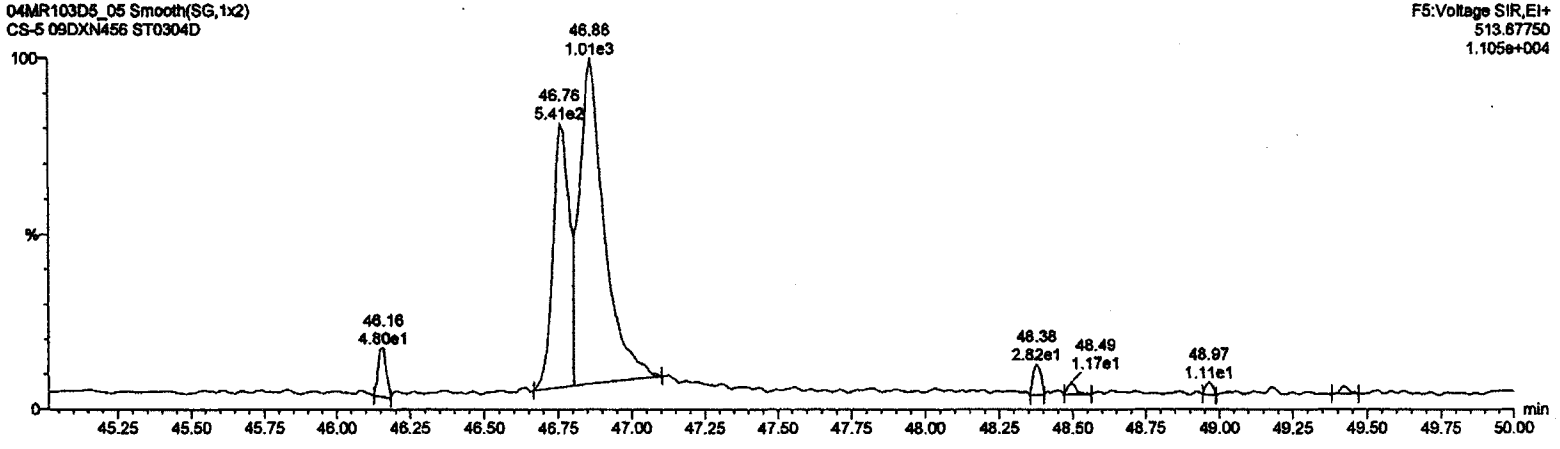
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

OCDFs



OCDF PCDPE



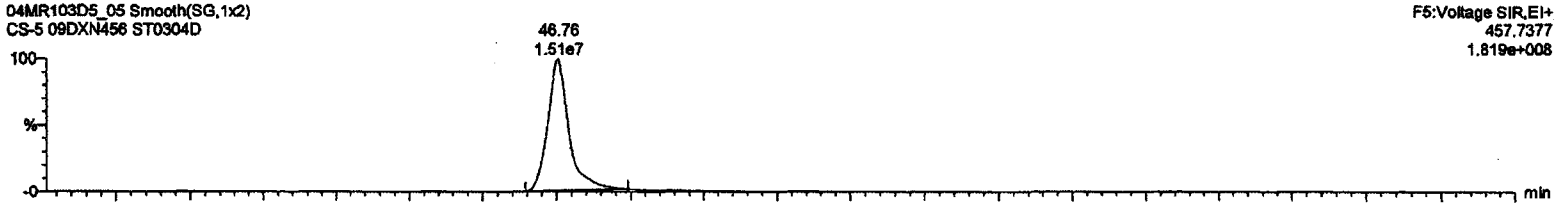
Quantify Sample Report **MassLynx 4.1**

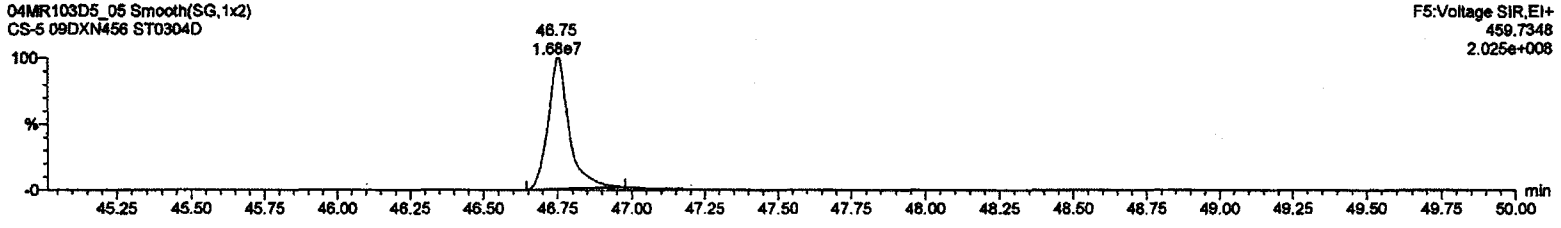
Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

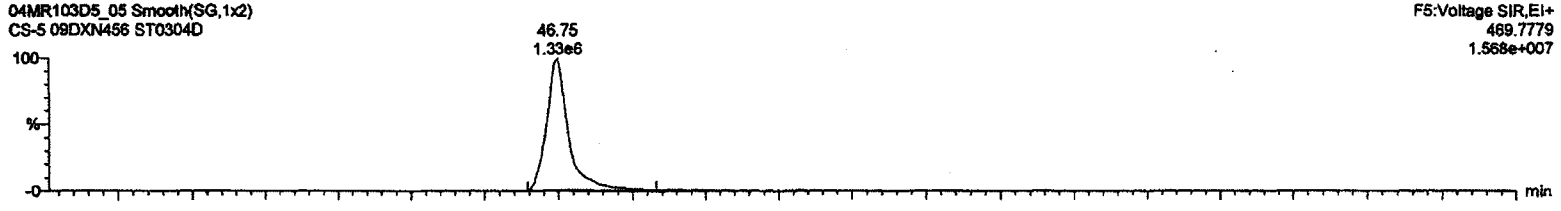
Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

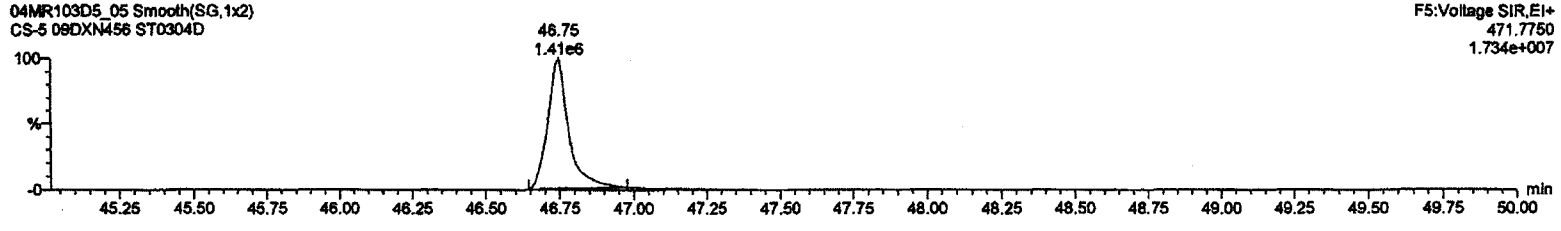
OCDD





13C-OCDD





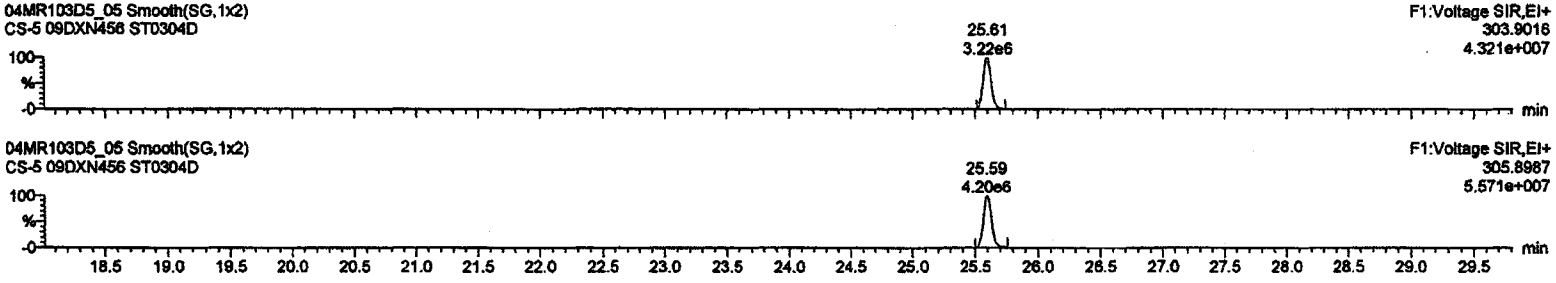
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

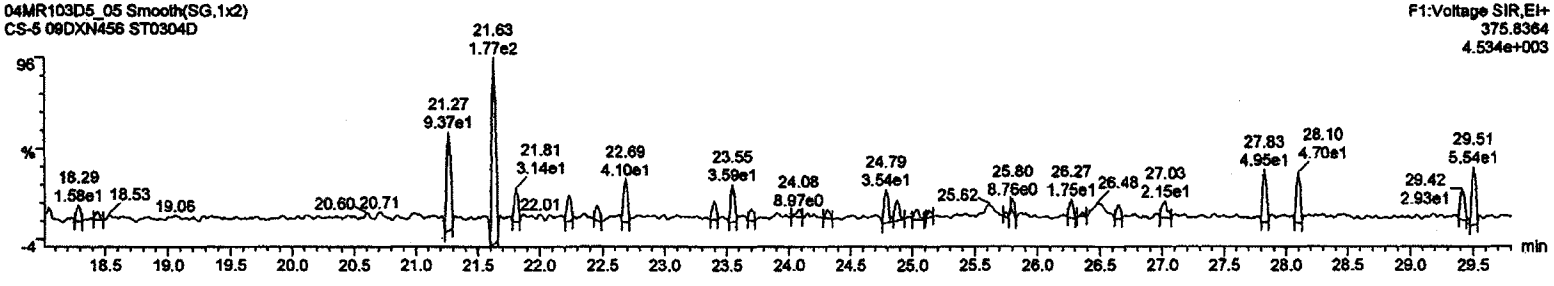
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

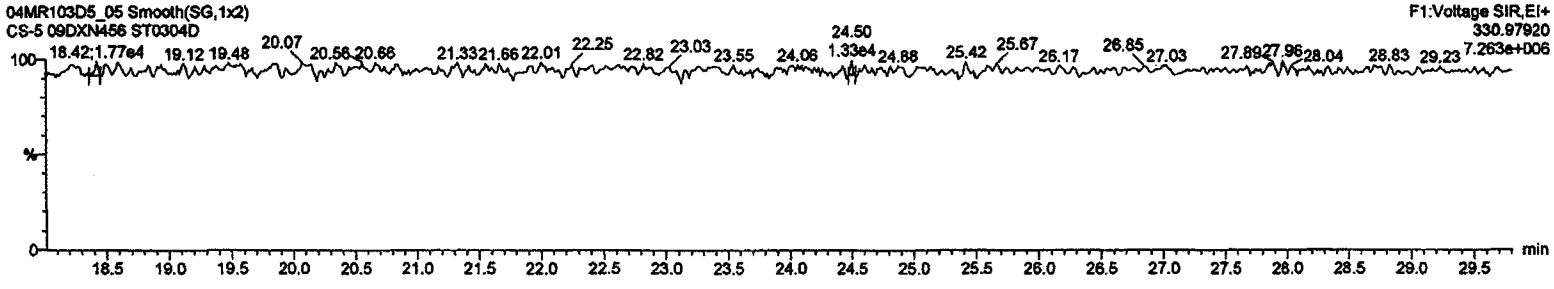
TCDFs



TCDF PCDPE



Function 1 PFK



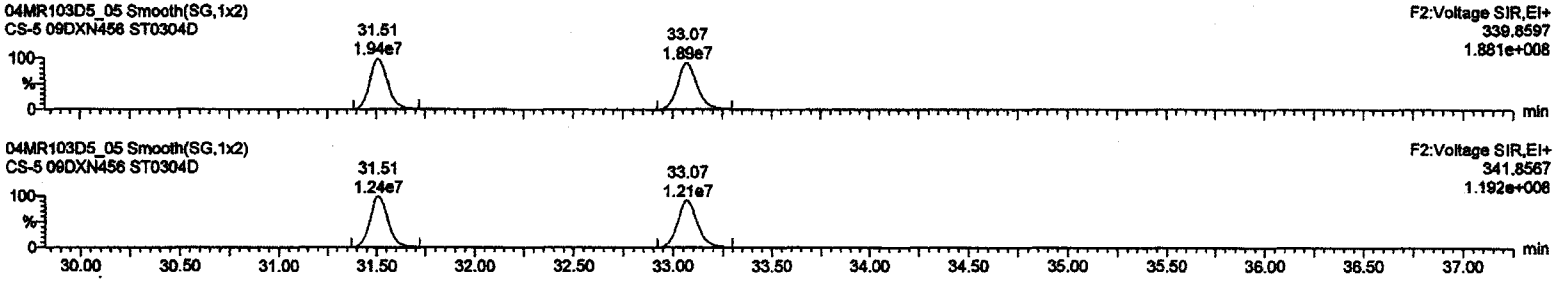
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

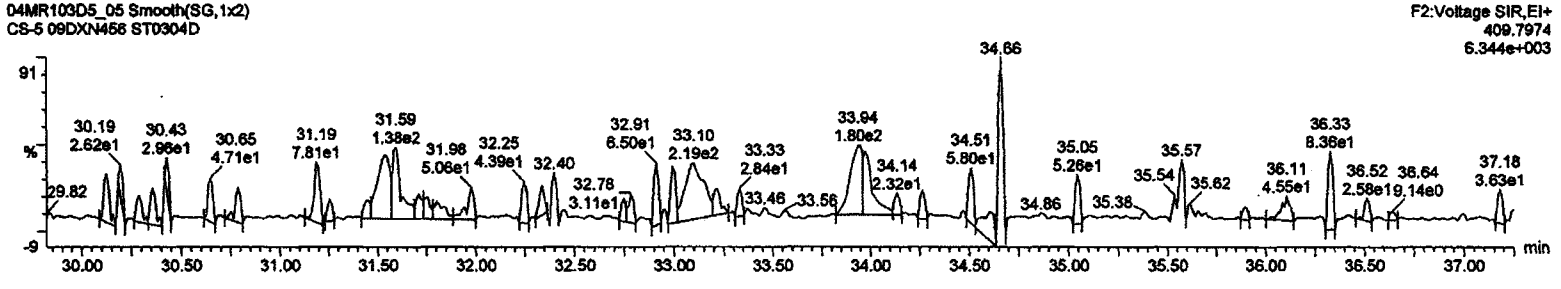
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

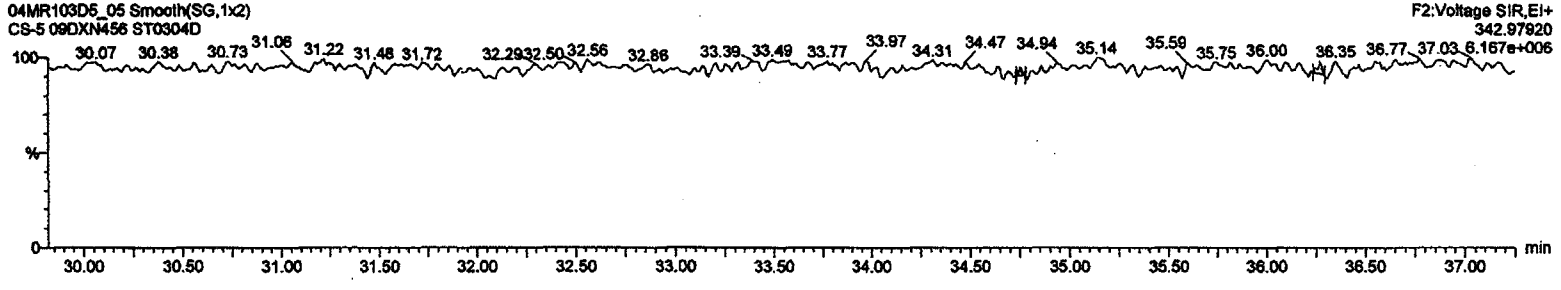
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



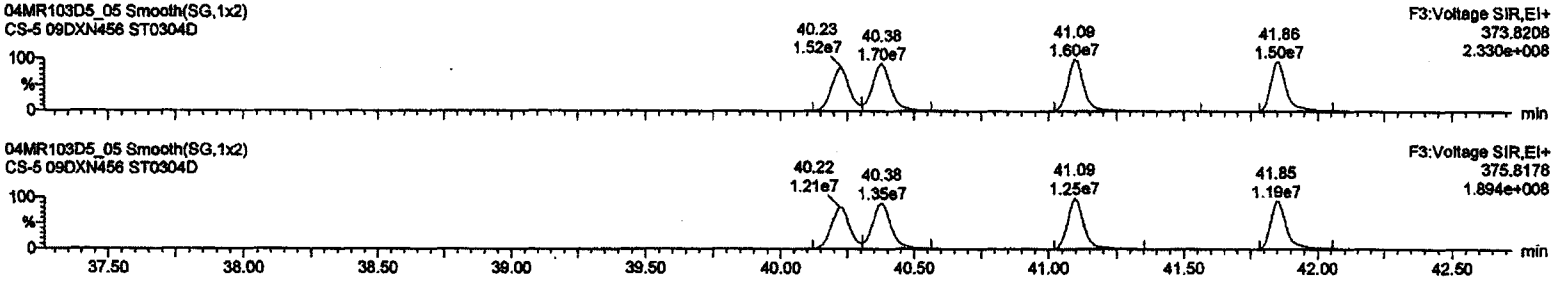
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

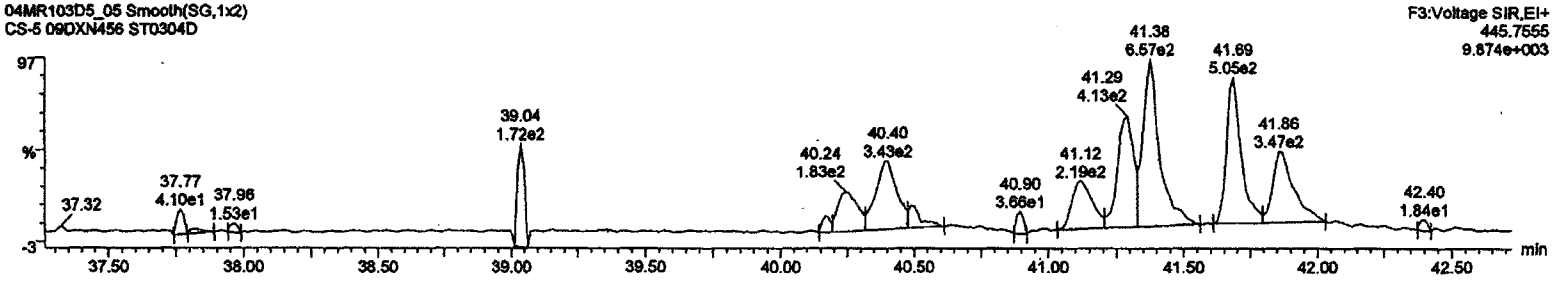
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

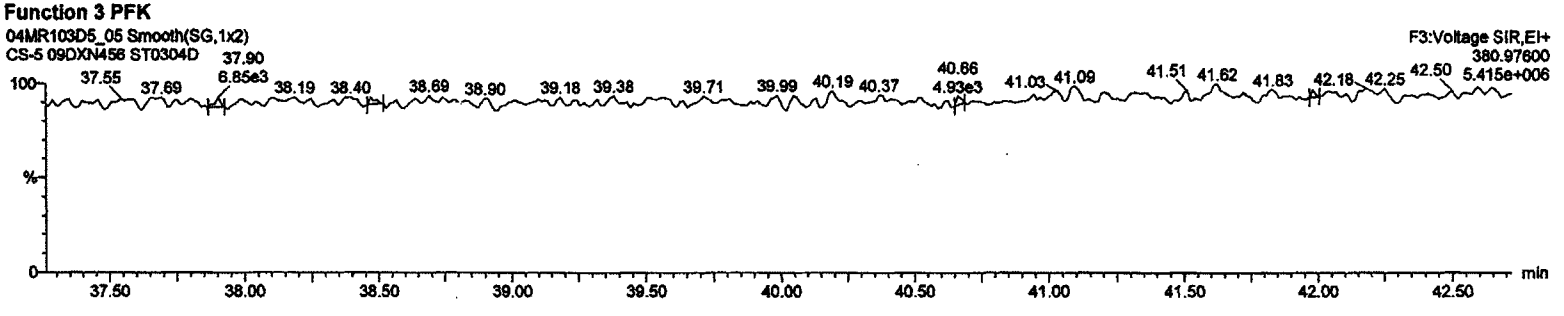
HxCDFs



HxCDF PCDPE



Function 3 PFK



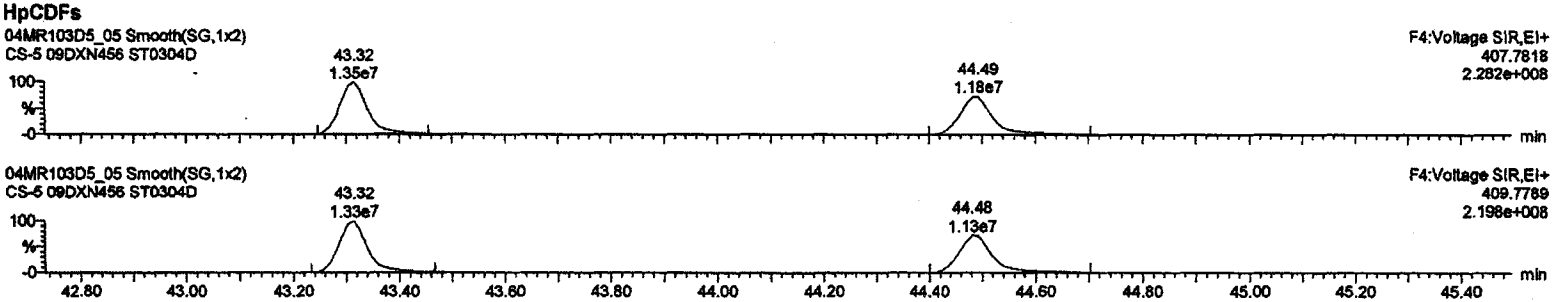
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

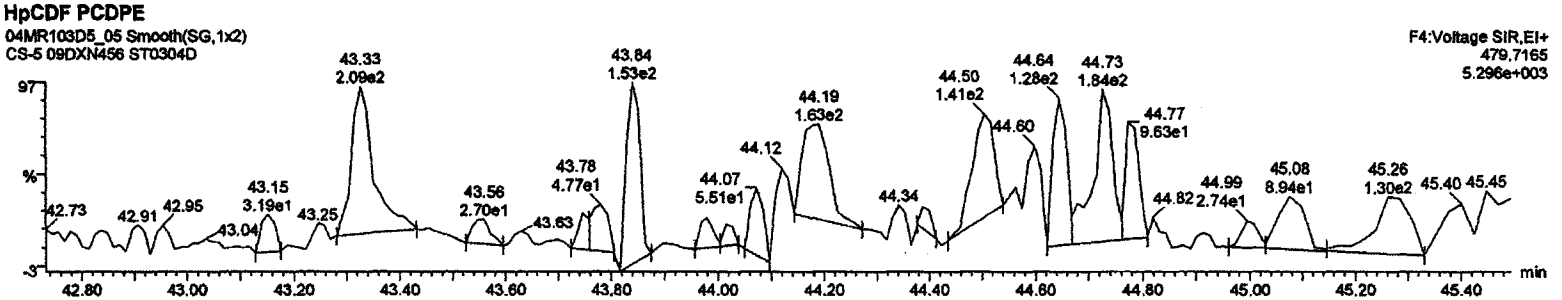
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

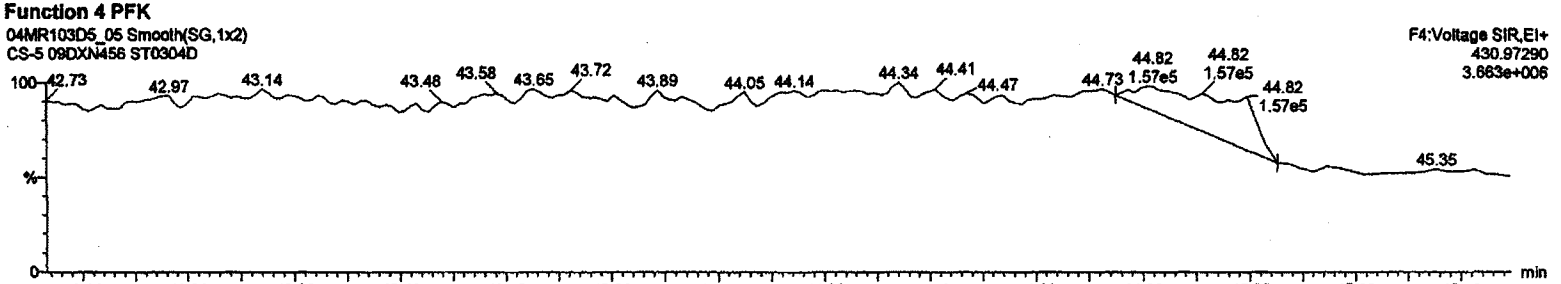
HpCDFs



HpCDF PCDPE



Function 4 PFK



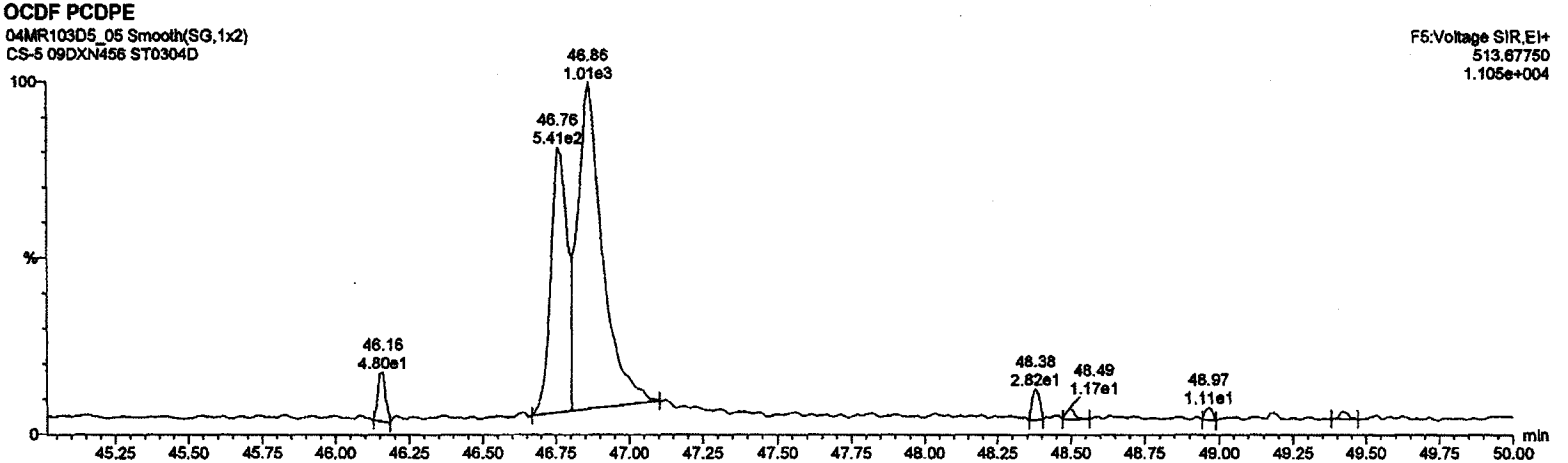
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA030420103D51613OCDF25.qld

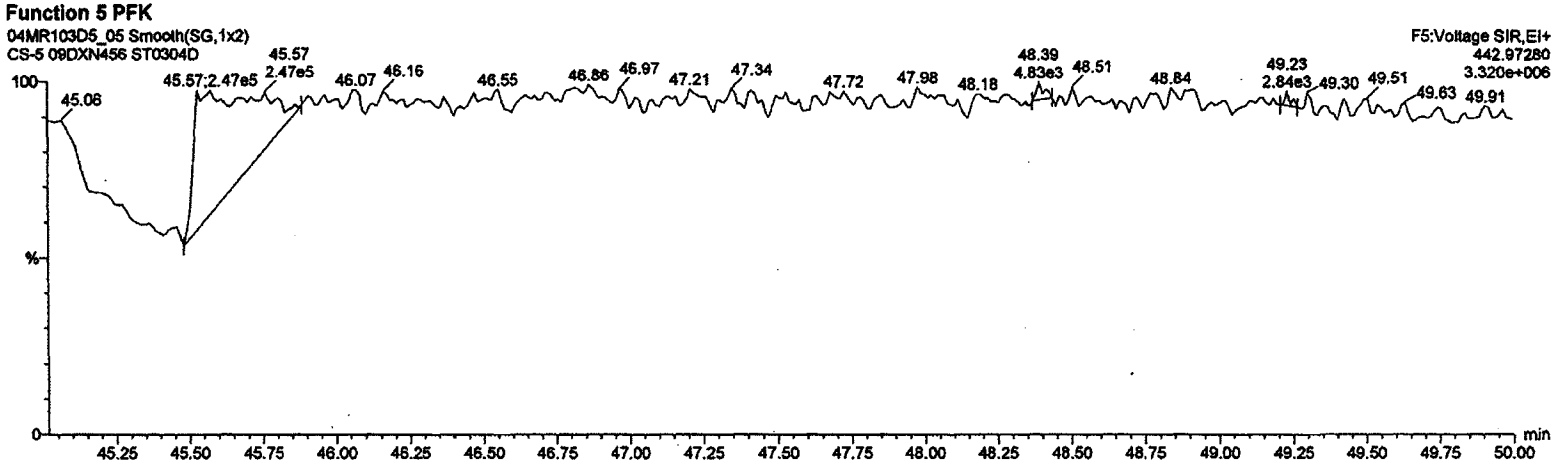
Last Altered: Thursday, March 04, 2010 15:28:34 Pacific Standard Time
Printed: Thursday, March 04, 2010 15:30:11 Pacific Standard Time

Name: 04MR103D5_05, Date: 04-Mar-2010, Time: 14:35:43, ID: ST0304D, Description: CS-5 09DXN456

OCDF PCDPE



Function 5 PFK



Quantify Sample Report **MassLynx 4.1**

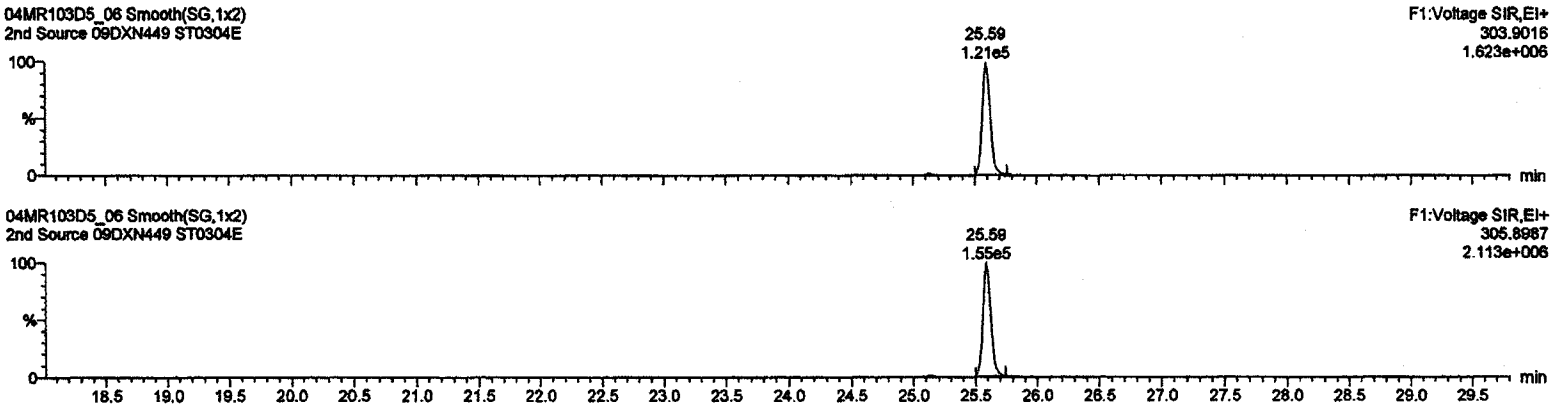
Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

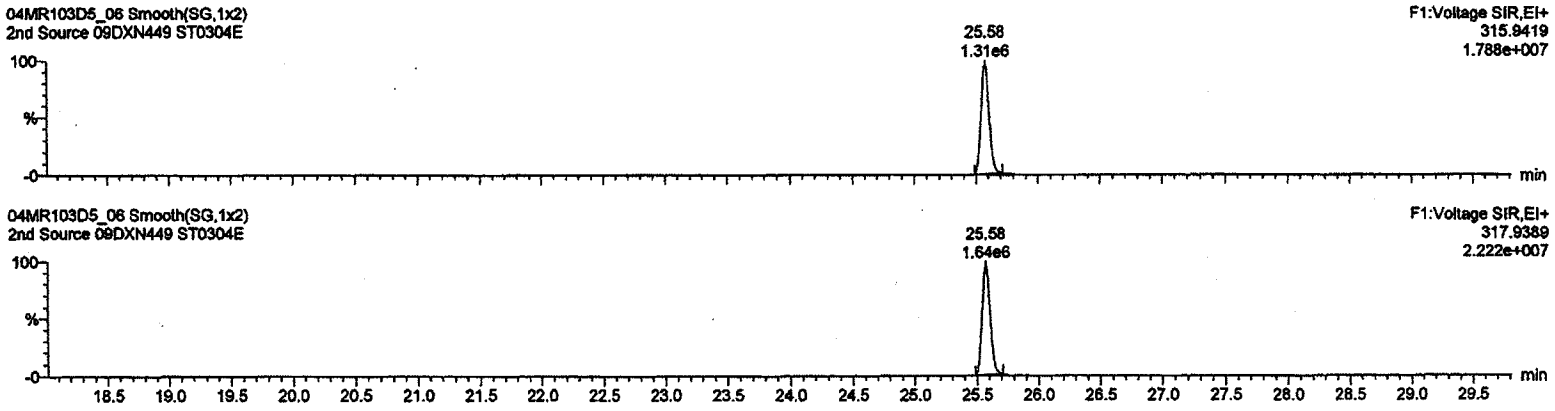
Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D51613OCDD25.cdb 04 Mar 2010 15:31:45

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

TCDFs



13C-TCDF



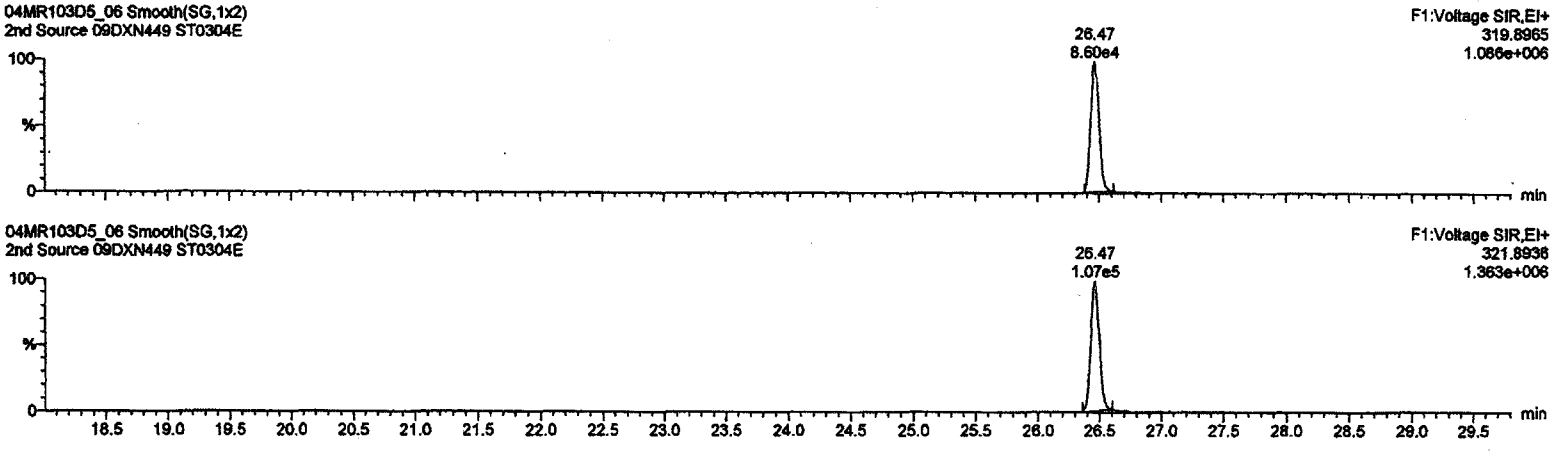
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

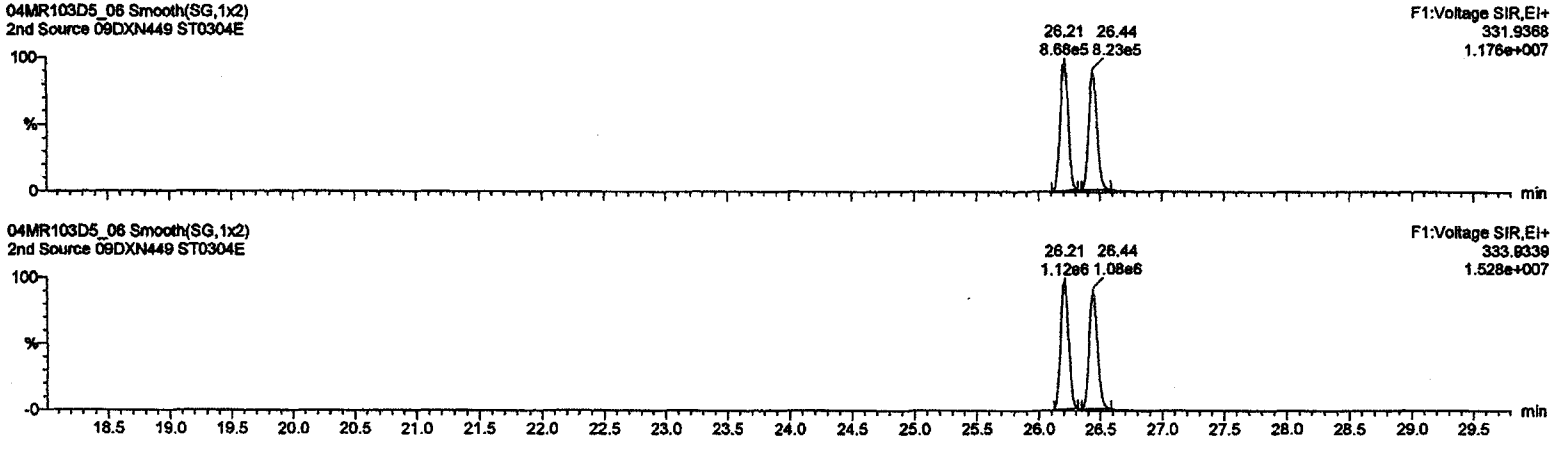
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

TCDDs



13C-TCDDs



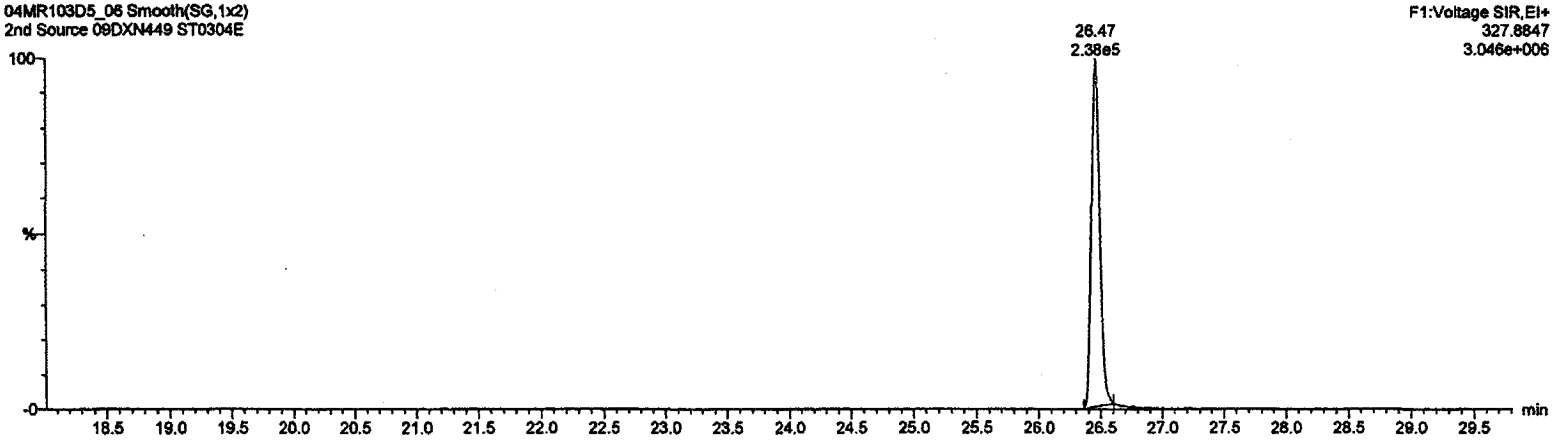
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

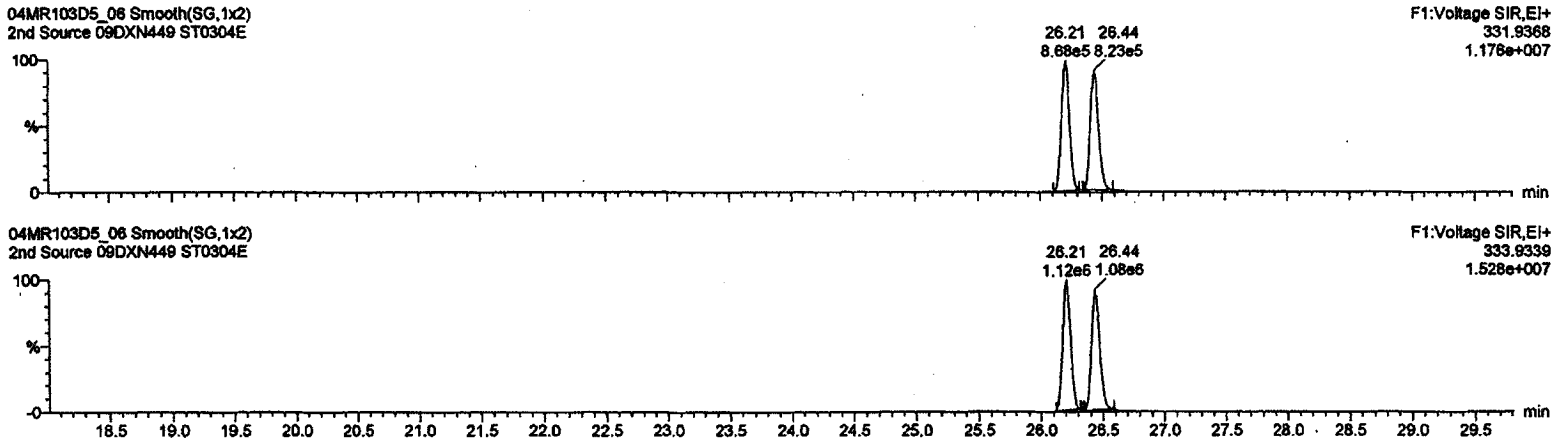
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

37CL-2,3,7,8-TCDD



13C-TCDDs



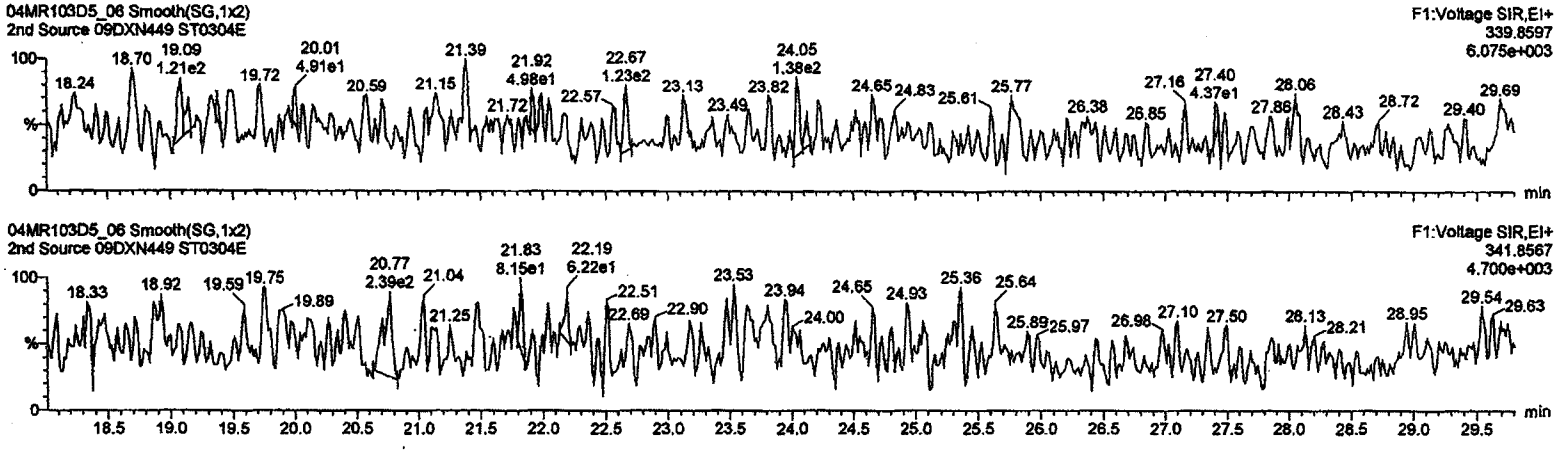
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

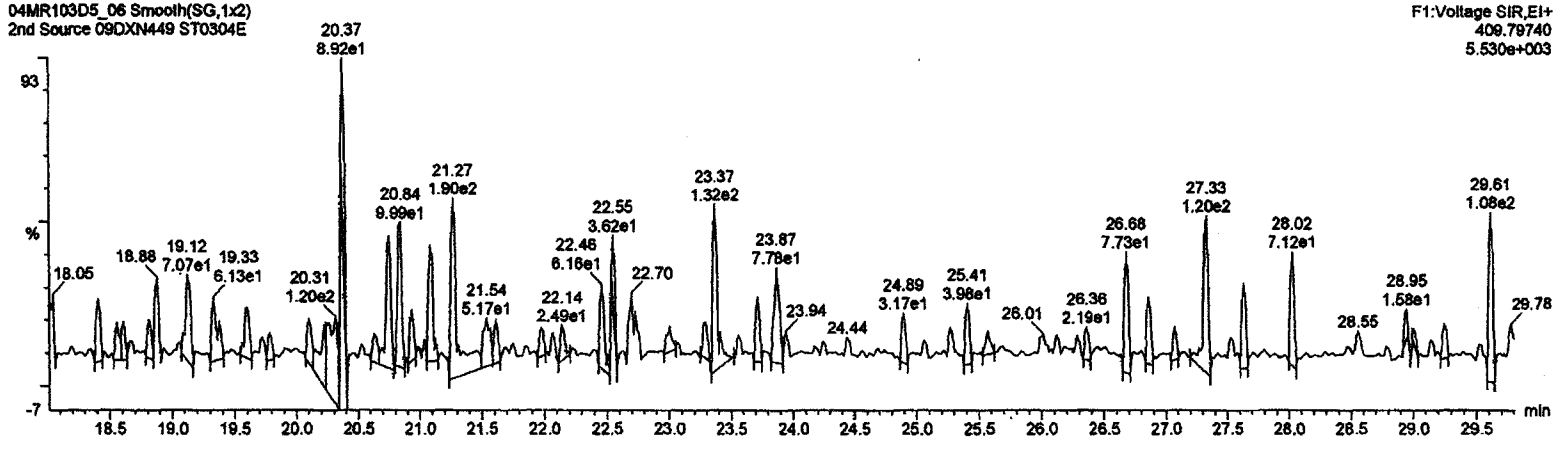
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

F1 PeCDFs



F1 PeCDF PCDPE



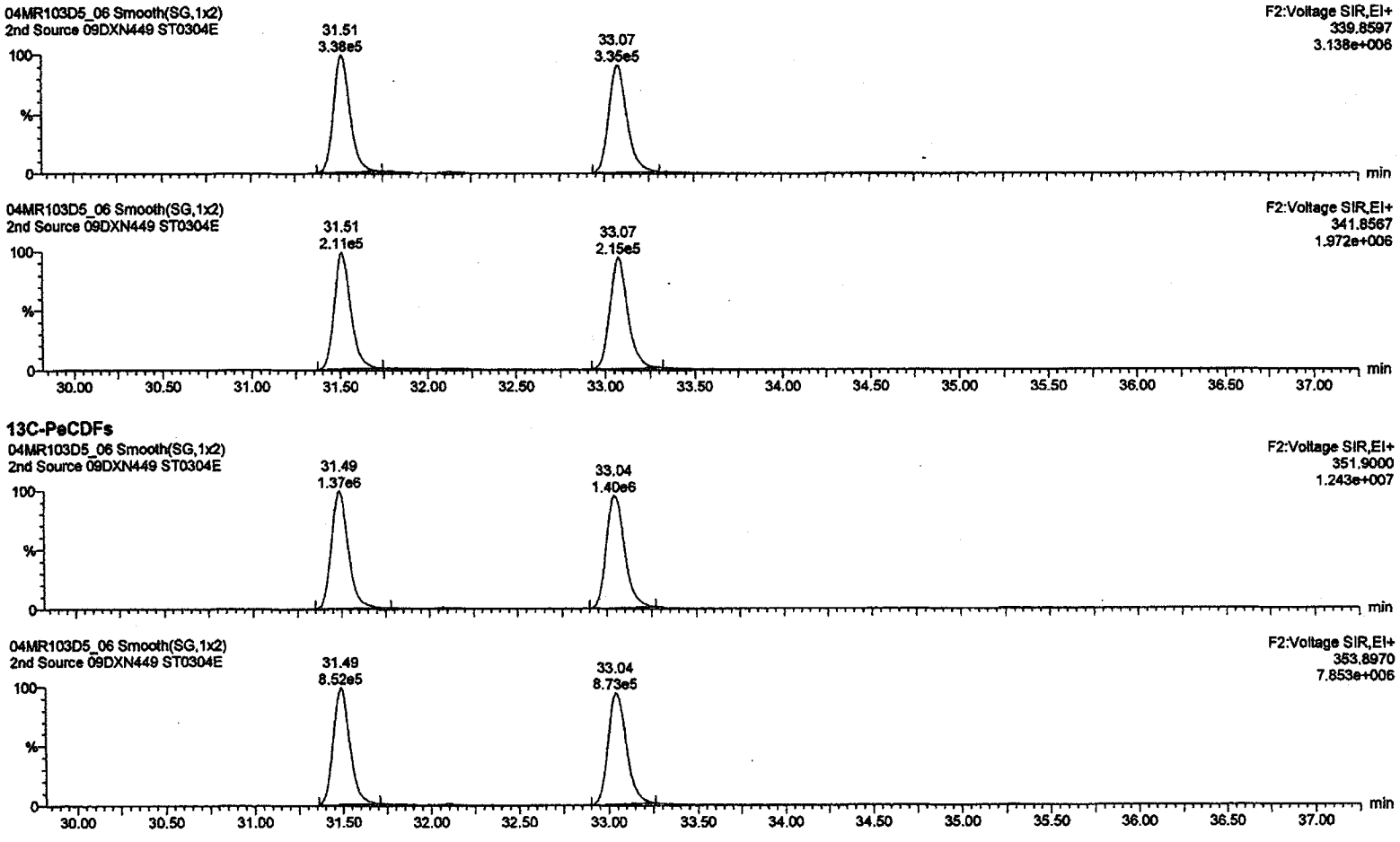
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

PeCDFs



13C-PeCDFs

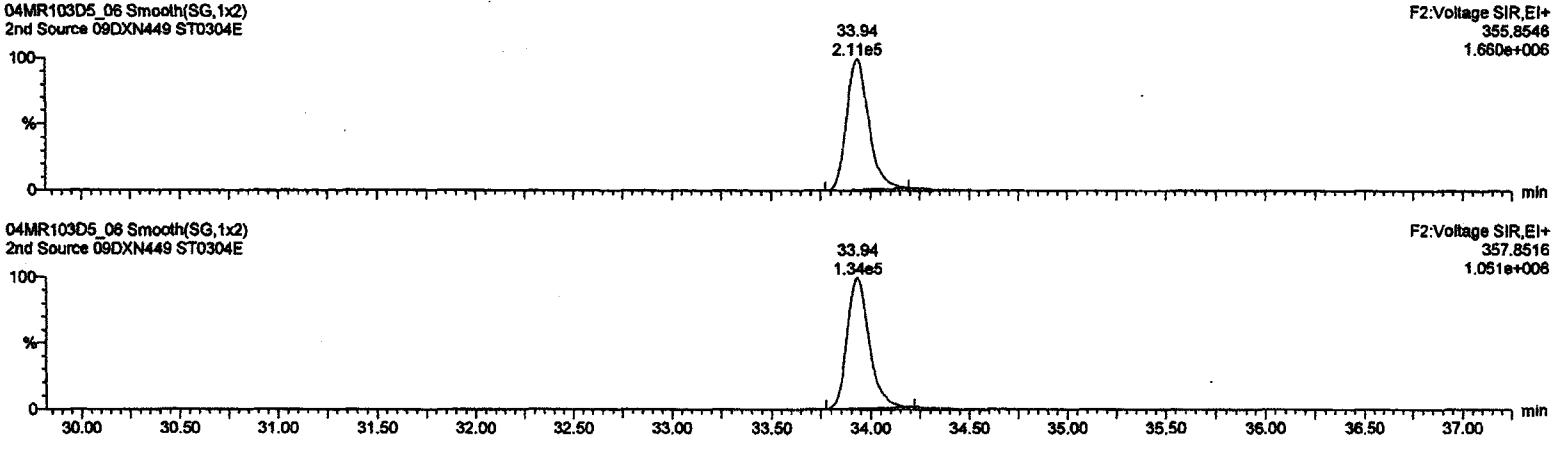
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

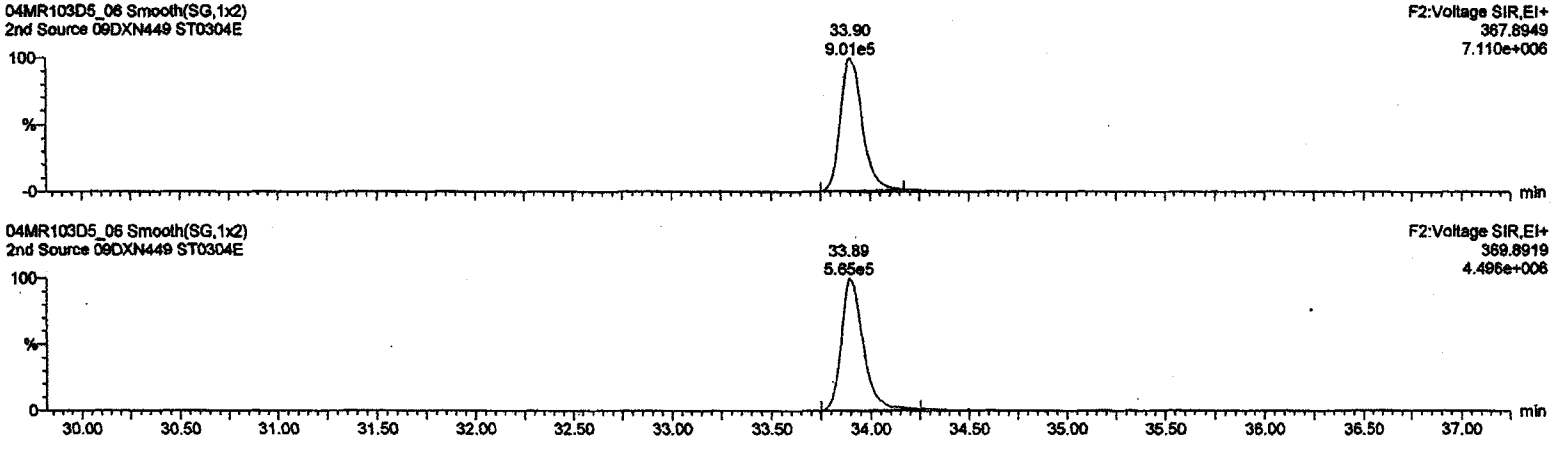
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

PeCDDs



13C-PeCDD



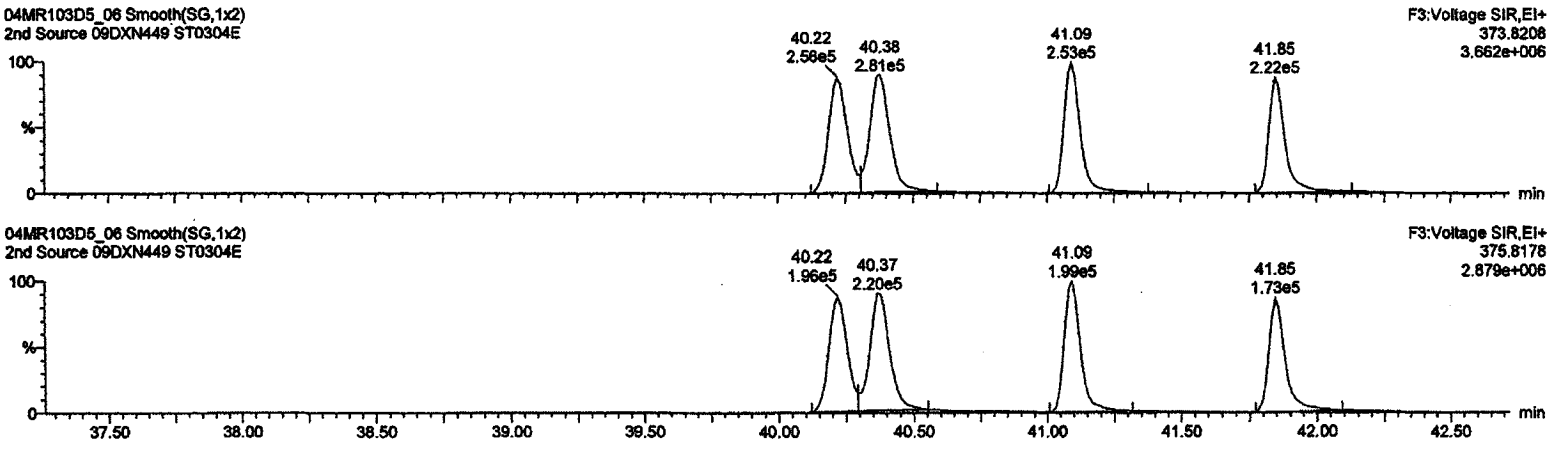
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

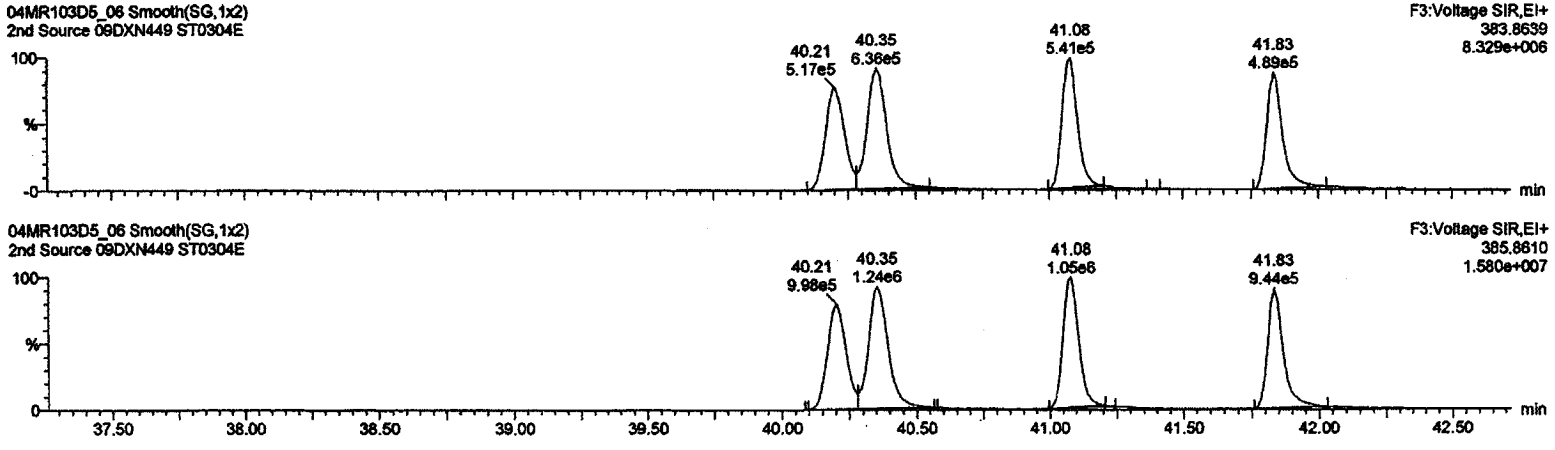
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

HxCDFs



13C-HxCDFs



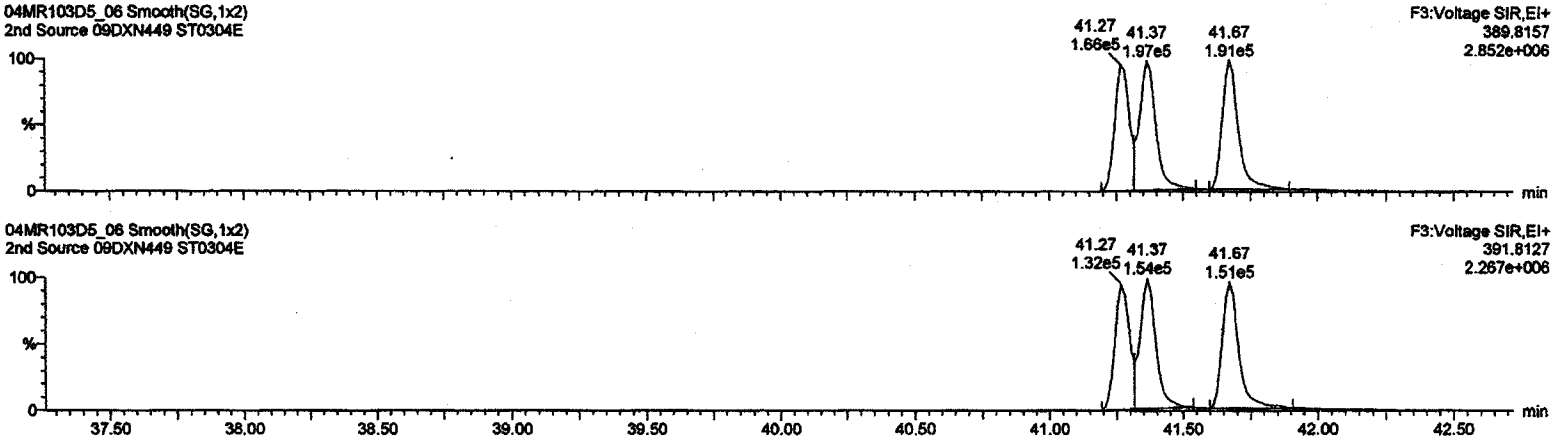
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

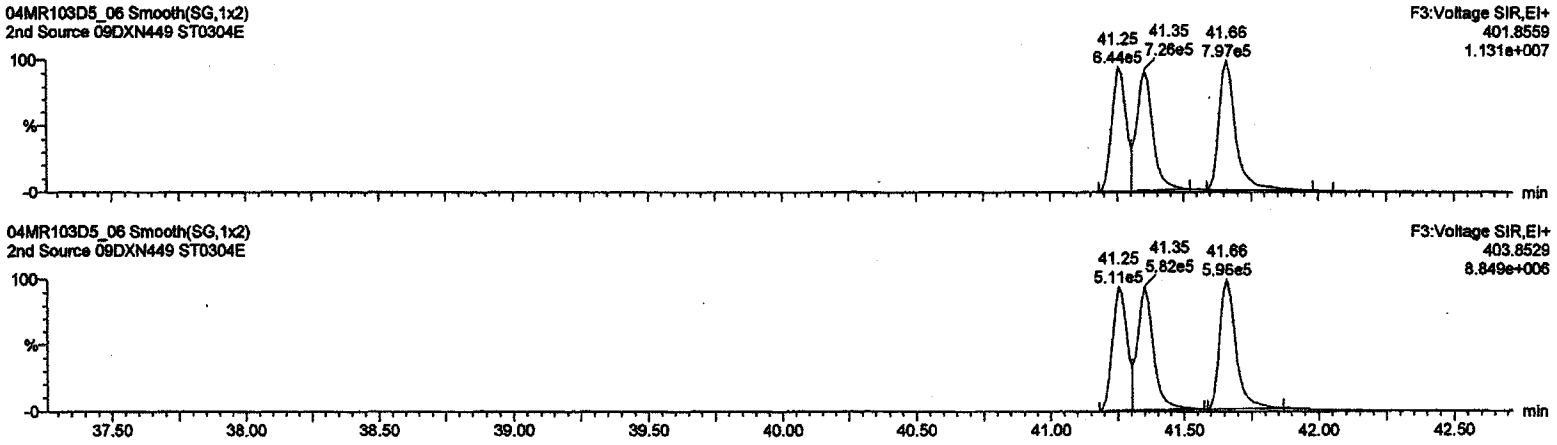
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

HxCDDs



13C-HxCDDs



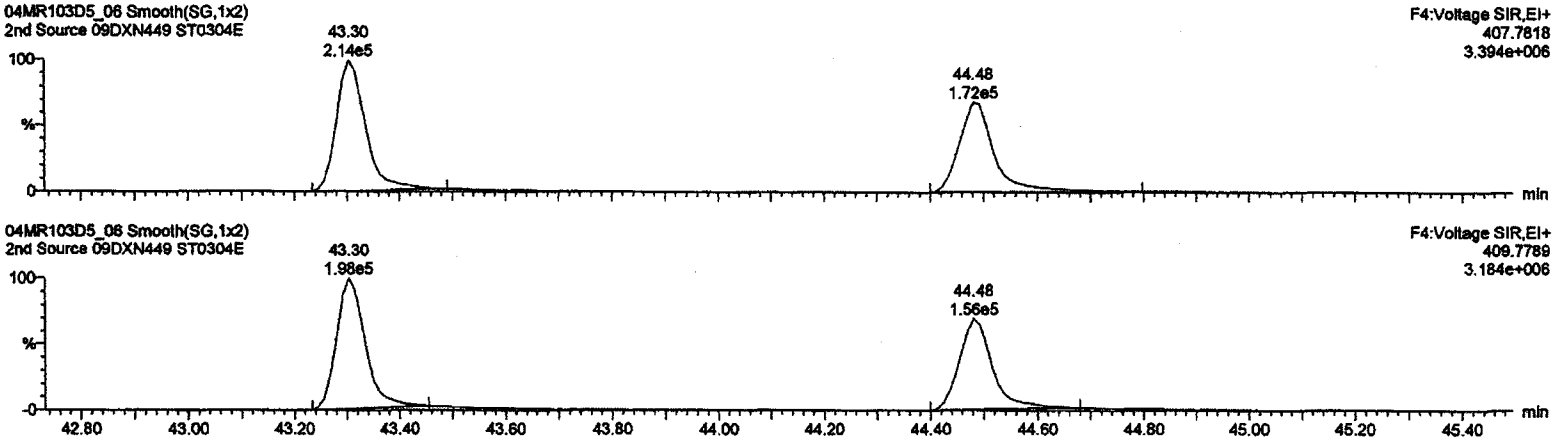
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

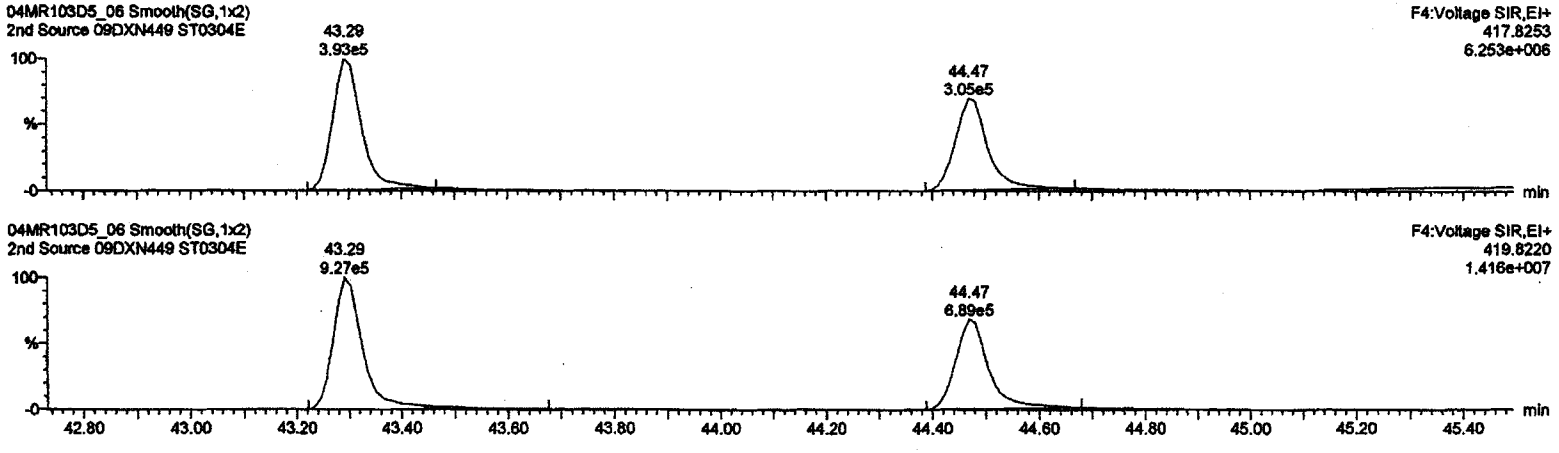
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

HpCDFs



13C-HpCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

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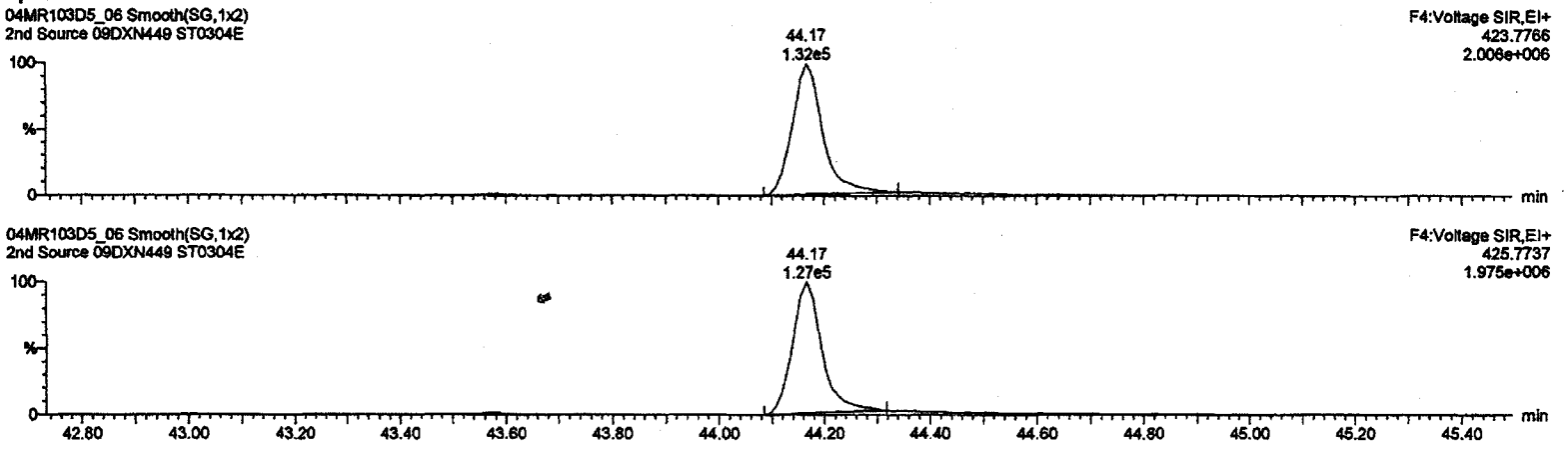
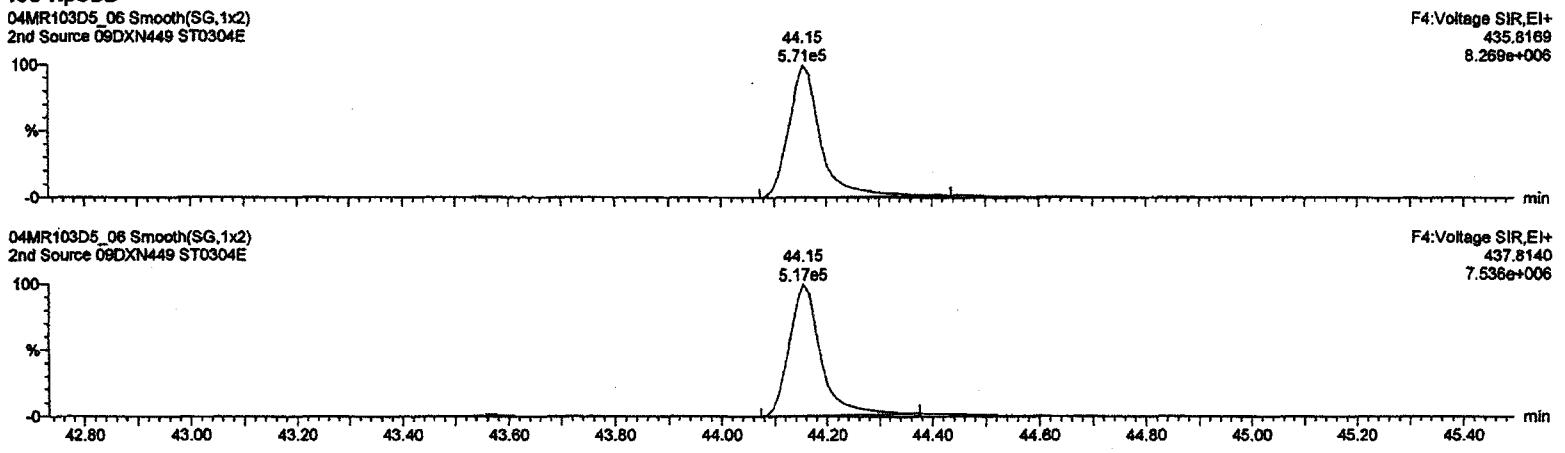
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

HpCDDs



13C-HpCDD



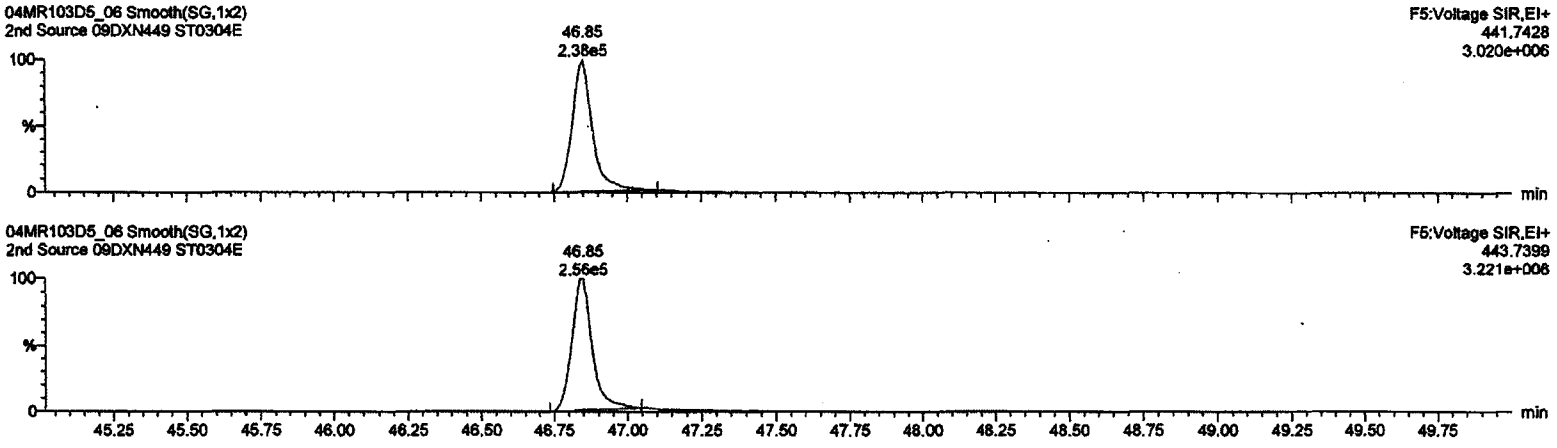
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

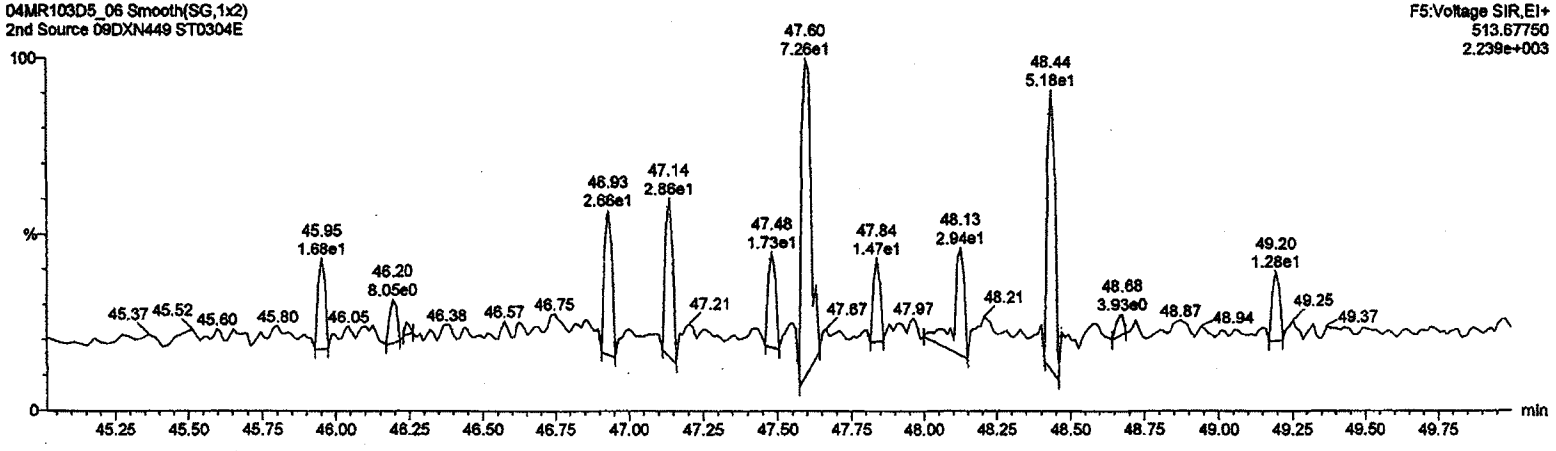
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

OCDFs



OCDF PCDPE



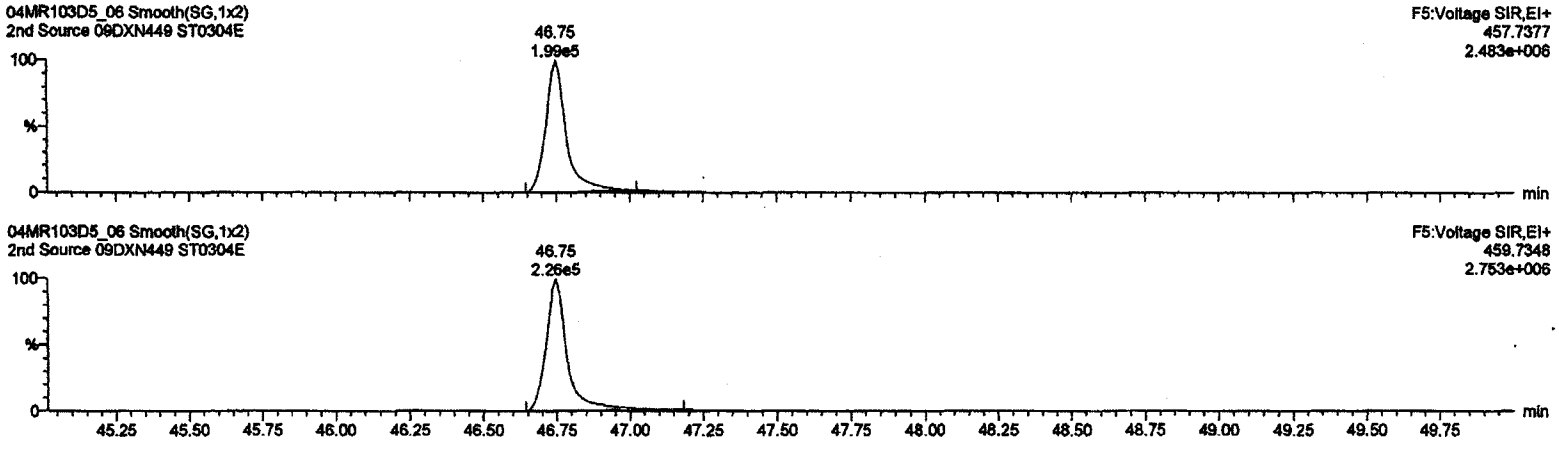
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

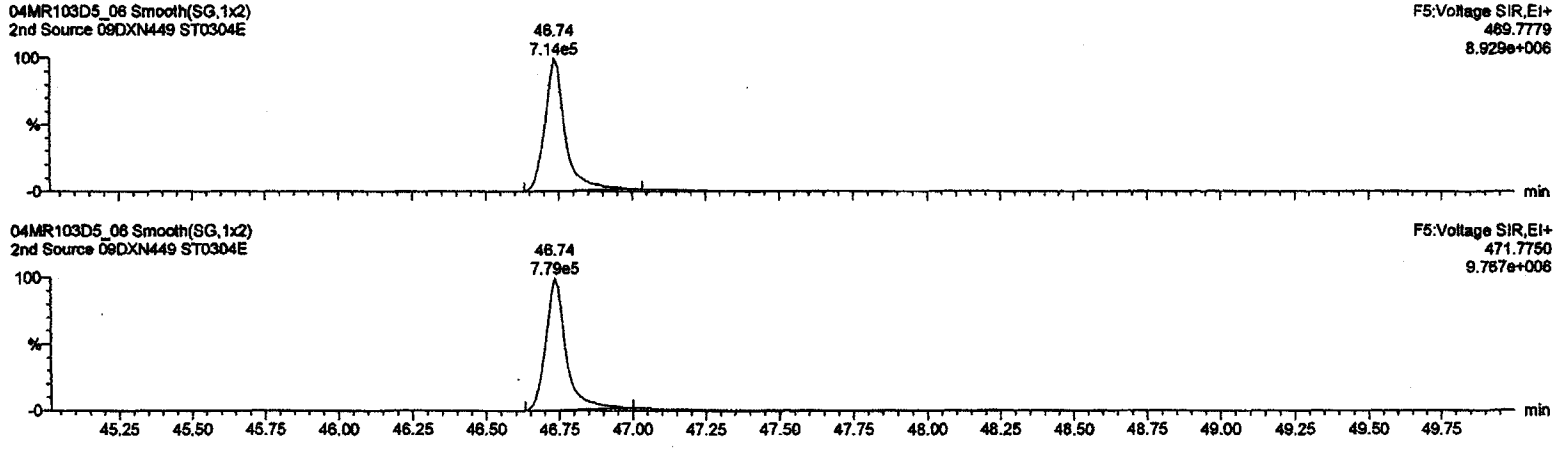
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

OCDD



13C-OCDD



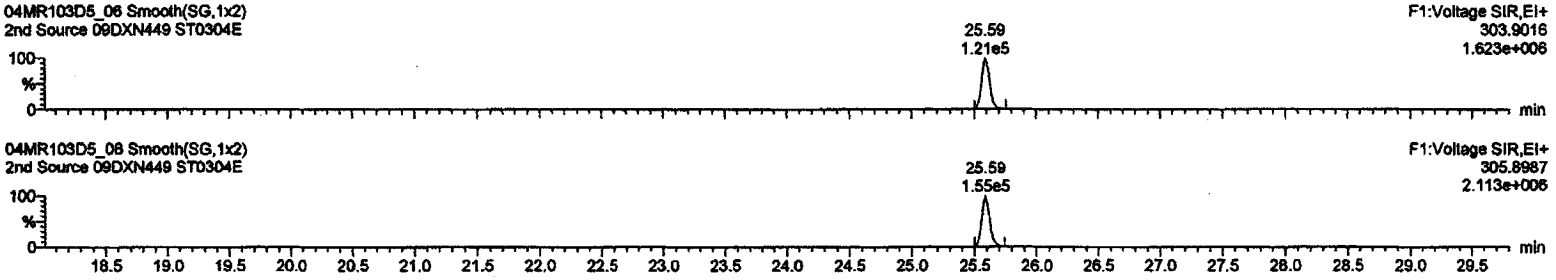
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

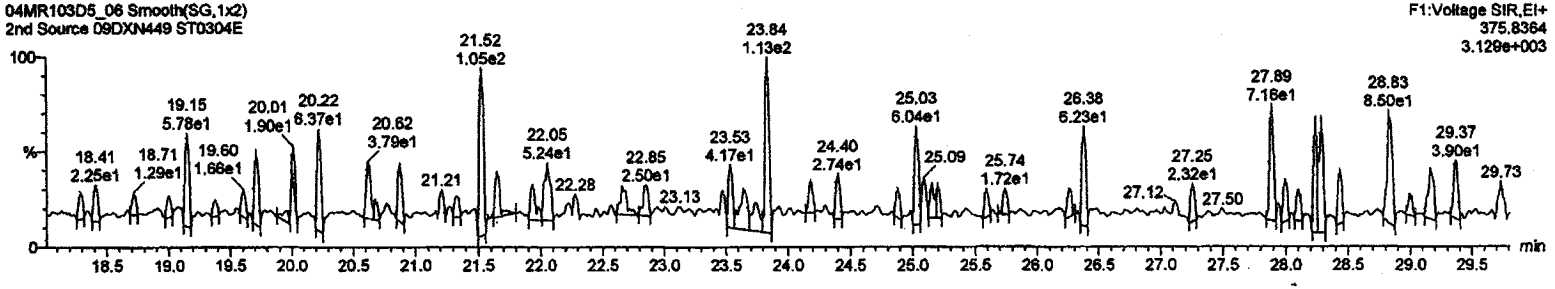
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

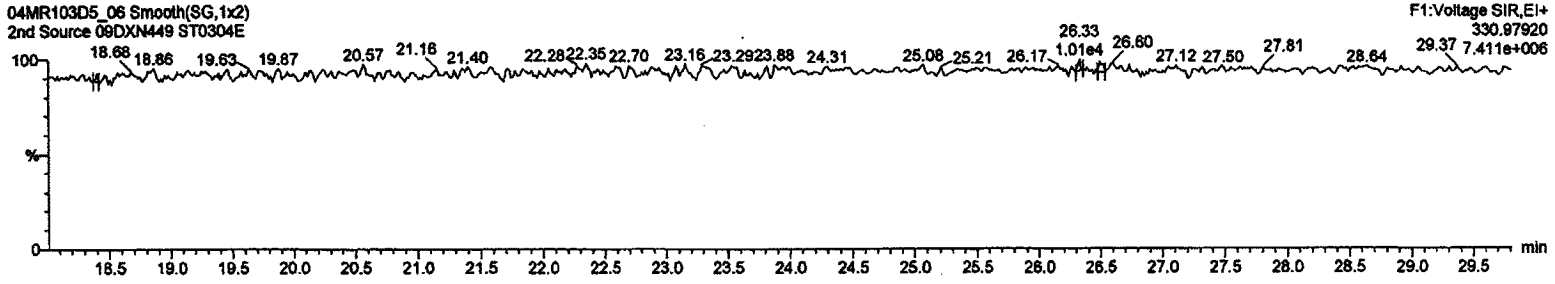
TCDFs



TCDF PCDPE



Function 1 PFK



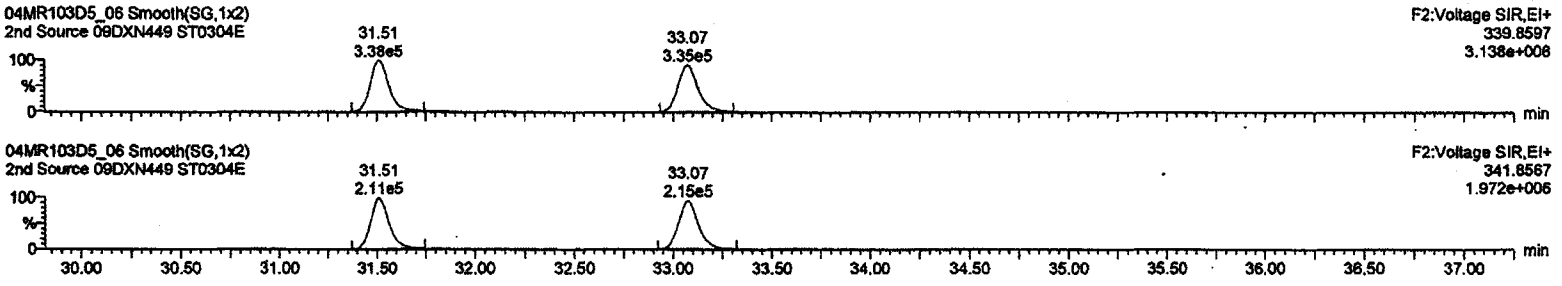
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

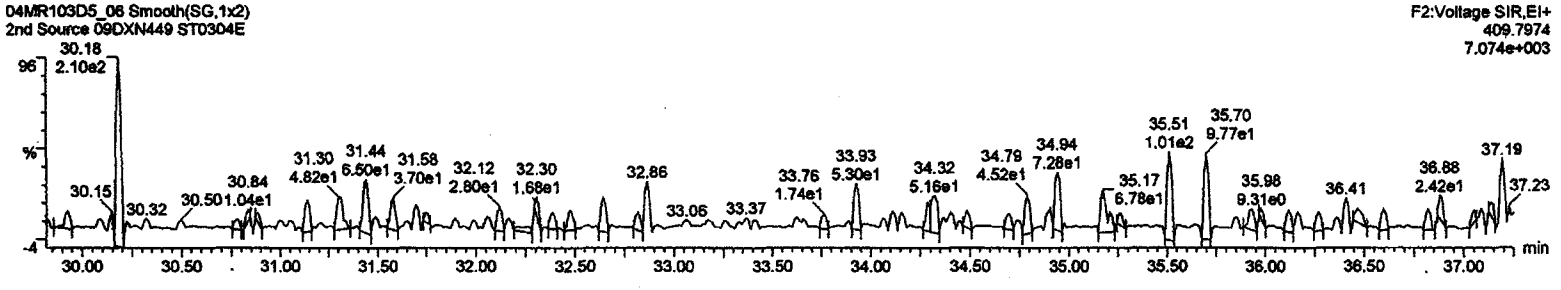
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

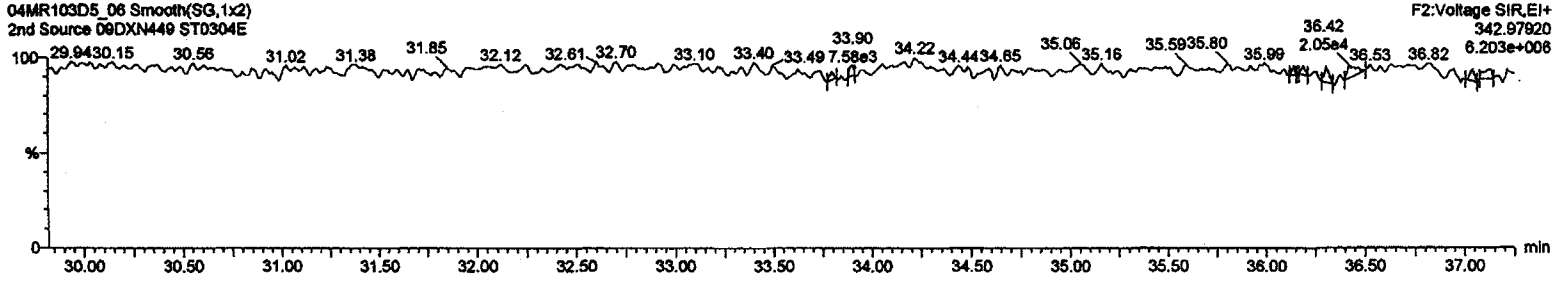
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



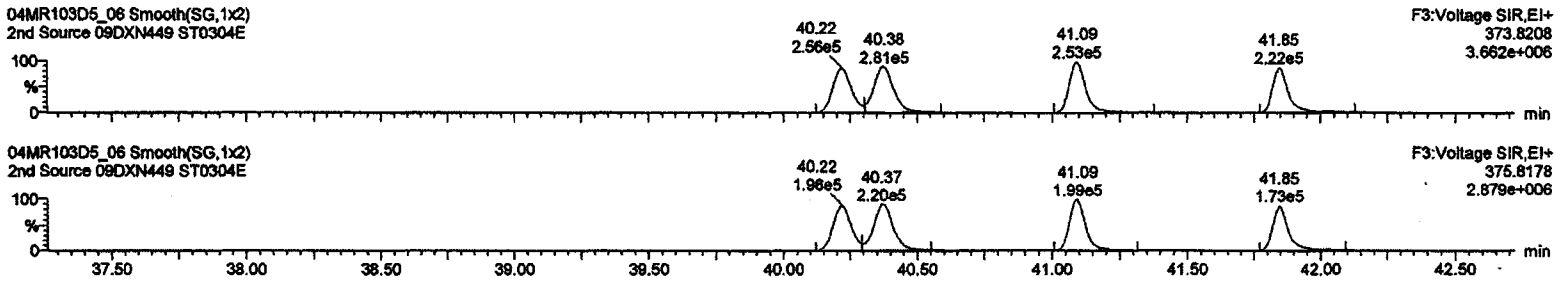
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

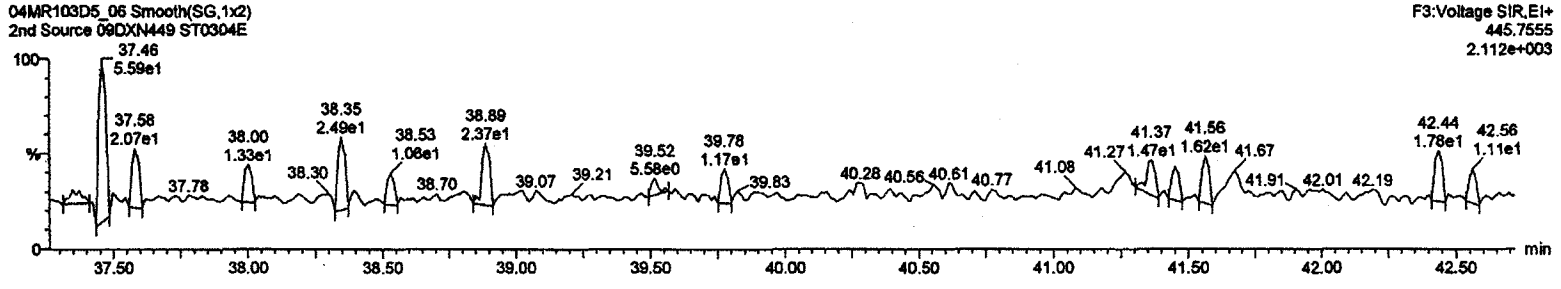
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

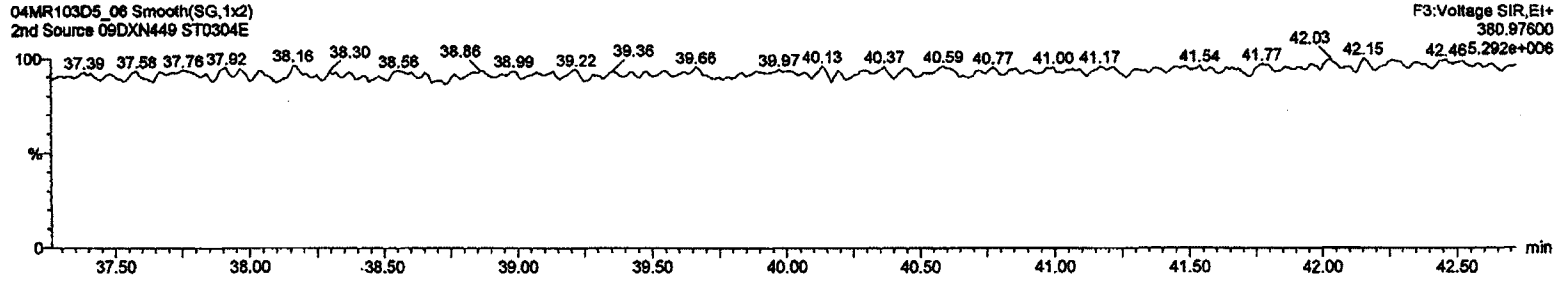
HxCDFs



HxCDF PCDPE



Function 3 PFK



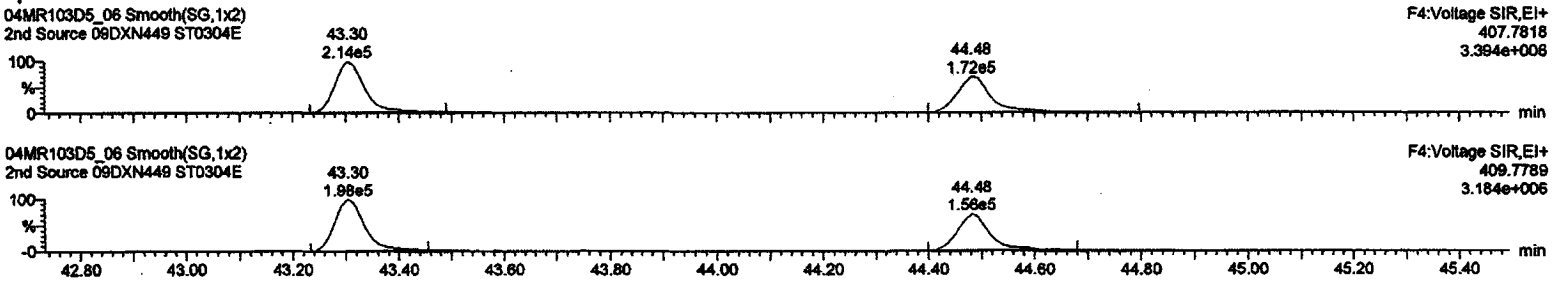
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

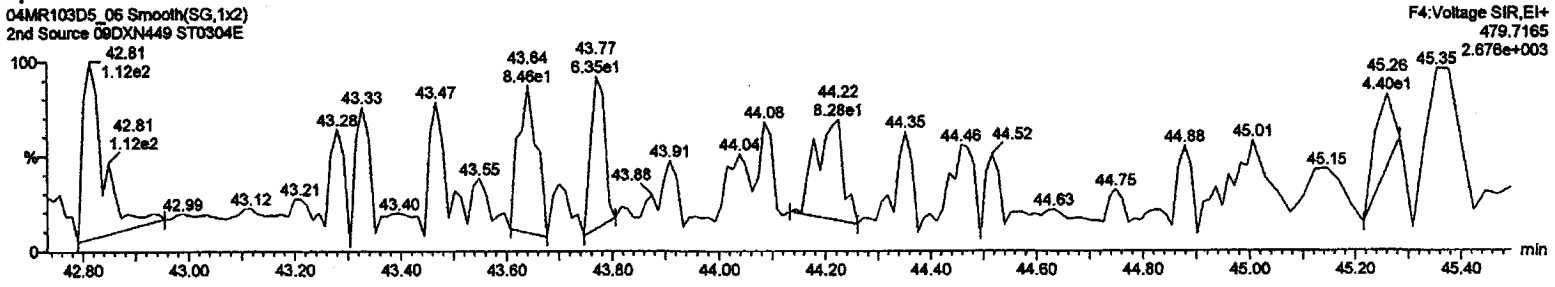
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

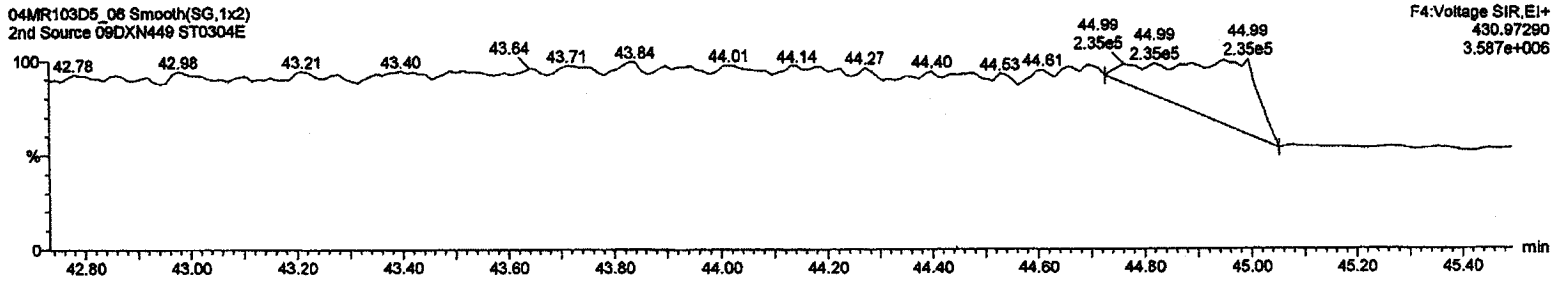
HpCDFs



HpCDF PCDPE



Function 4 PFK



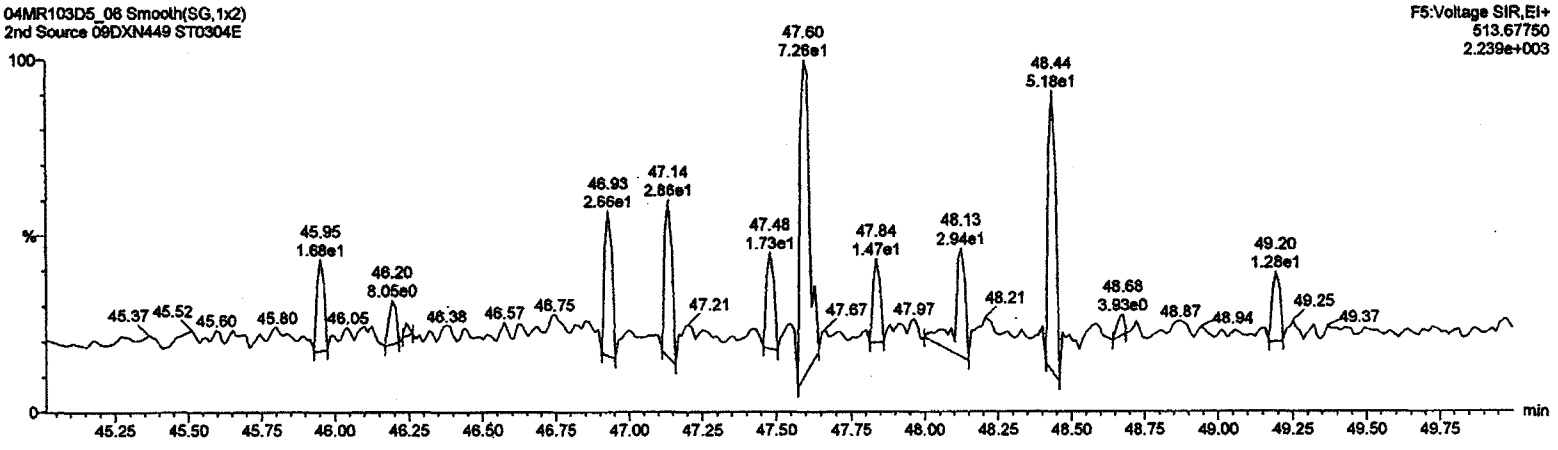
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

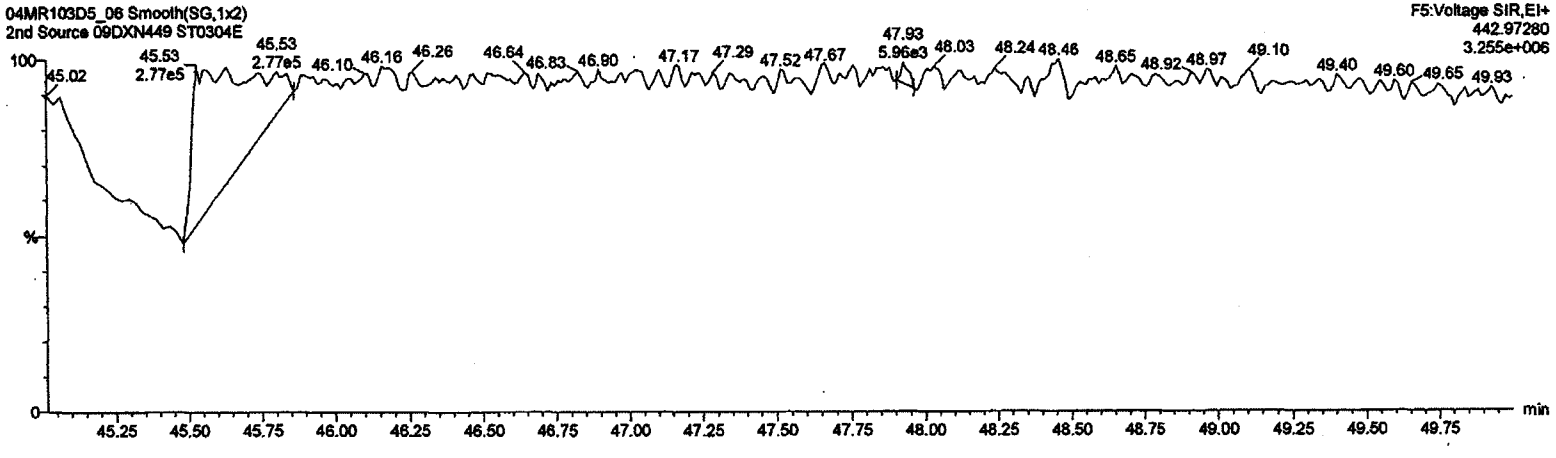
Last Altered: Thursday, March 04, 2010 16:33:07 Pacific Standard Time
Printed: Thursday, March 04, 2010 16:33:42 Pacific Standard Time

Name: 04MR103D5_06, Date: 04-Mar-2010, Time: 15:27:01, ID: ST0304E, Description: 2nd Source 09DXN449

OCDF PCDPE



Function 5 PFK



Quantify Sample Report **MassLynx 4.1**

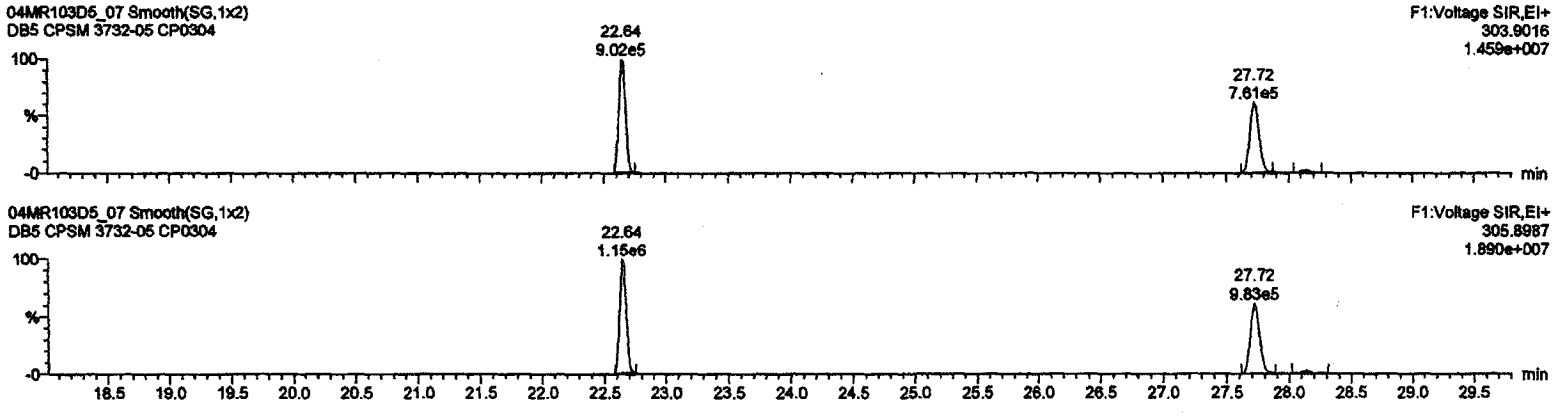
Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

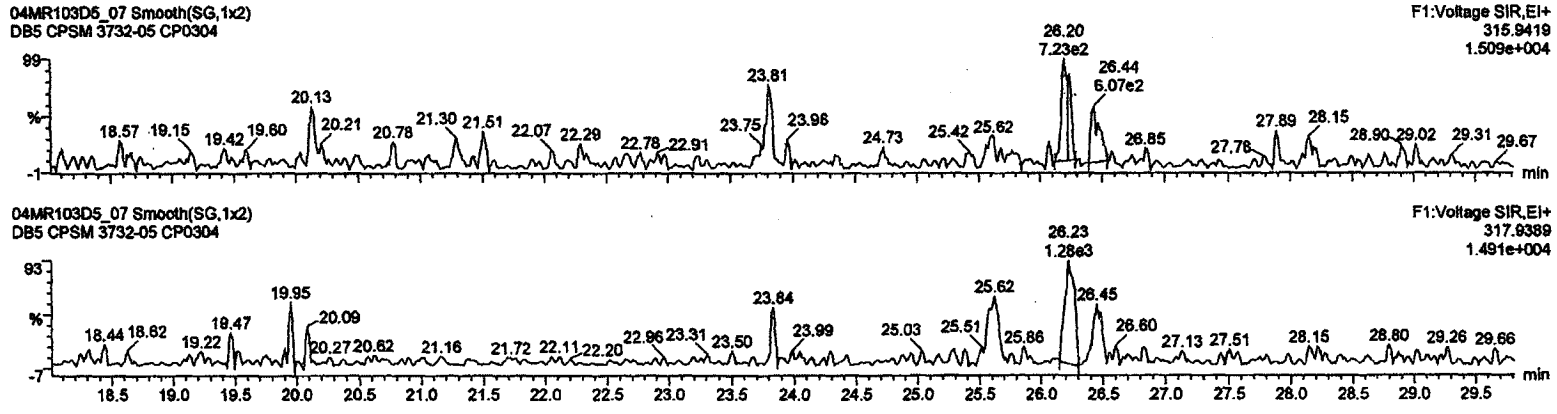
Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5OCDD25.mdb 04 Mar 2010 12:40:27
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA030420103D51613OCDD25.cdb 04 Mar 2010 15:31:45

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

TCDFs



13C-TCDF



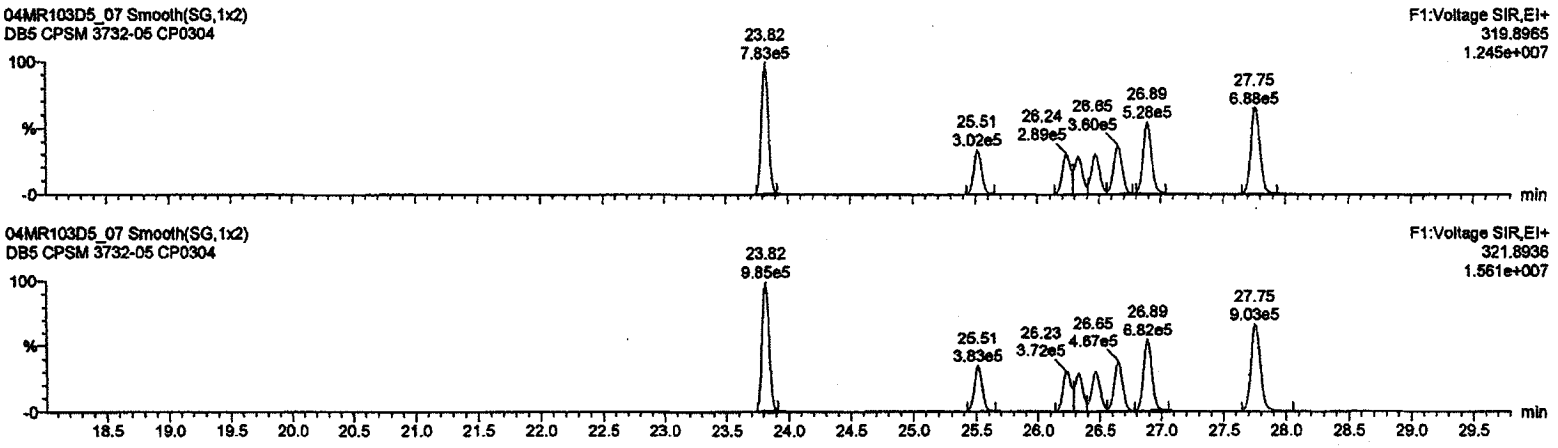
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

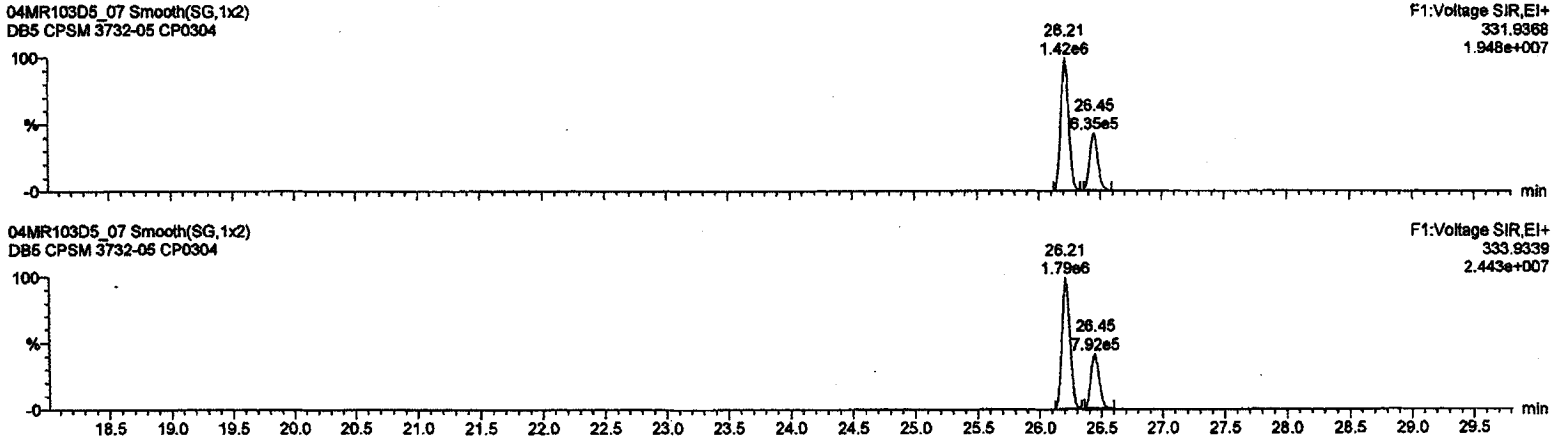
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

TCDDs



13C-TCDDs



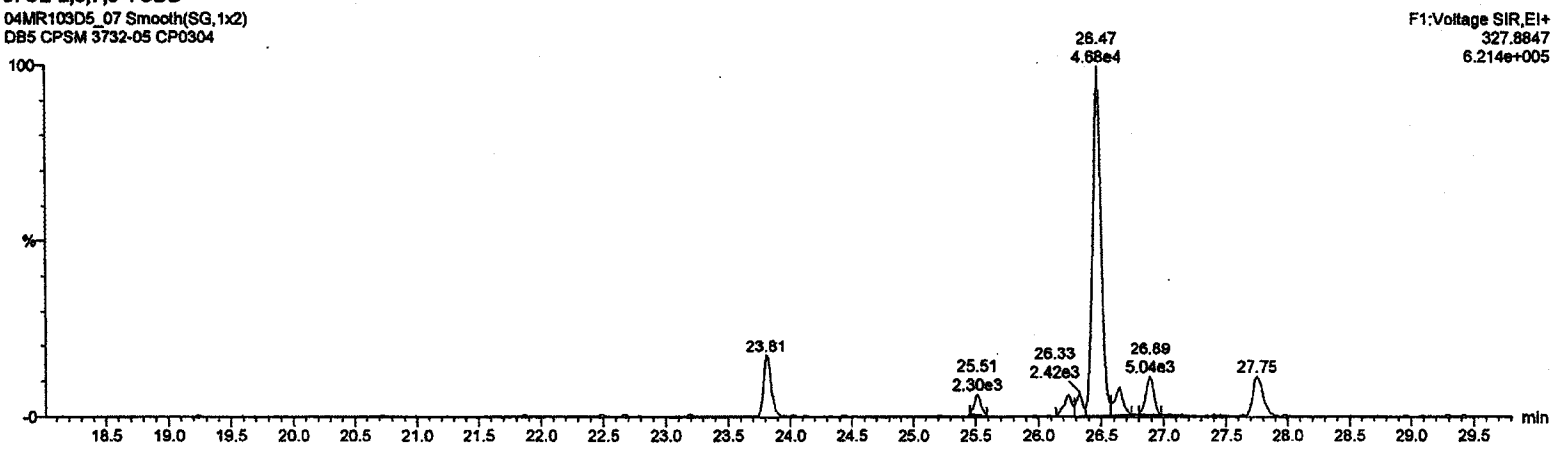
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

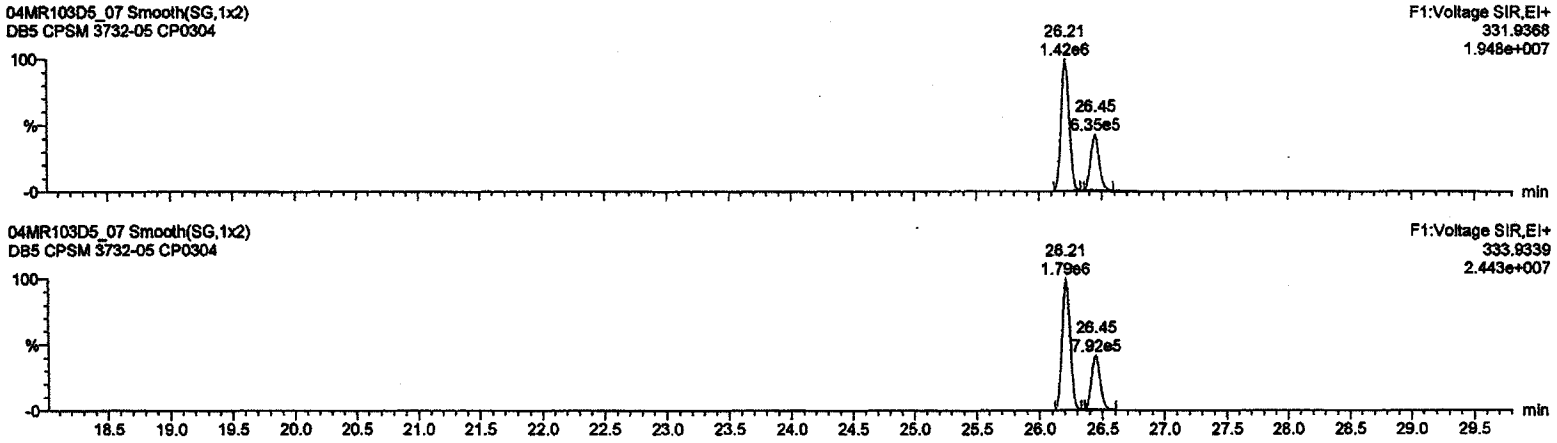
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

37CL-2,3,7,8-TCDD



13C-TCDDs



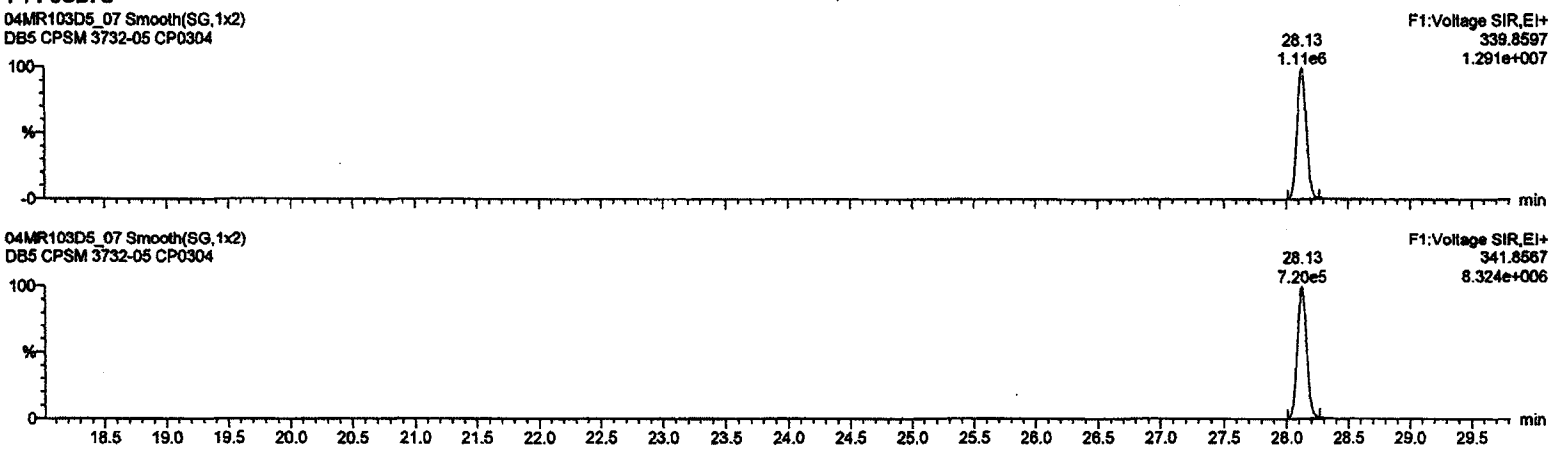
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

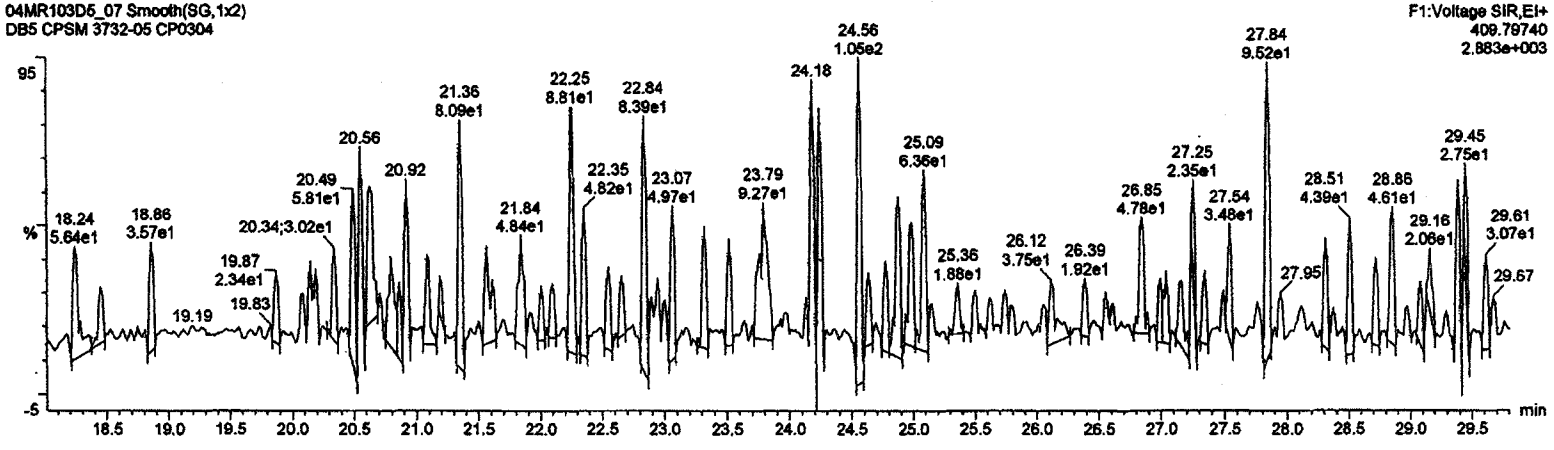
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

F1 PeCDFs



F1 PeCDF PCDPE



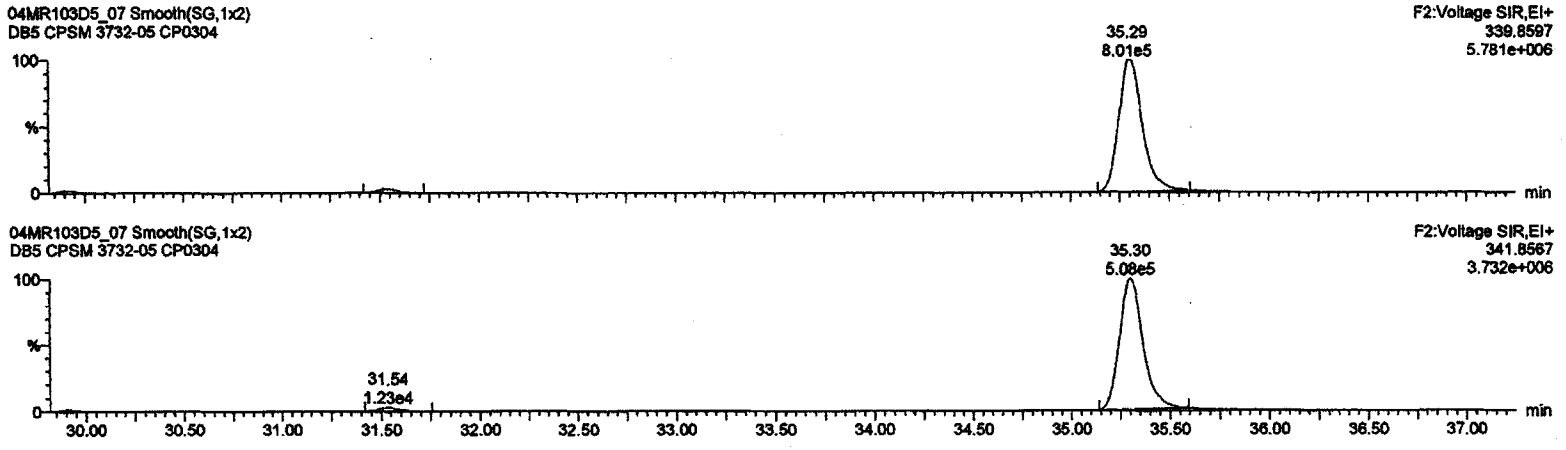
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

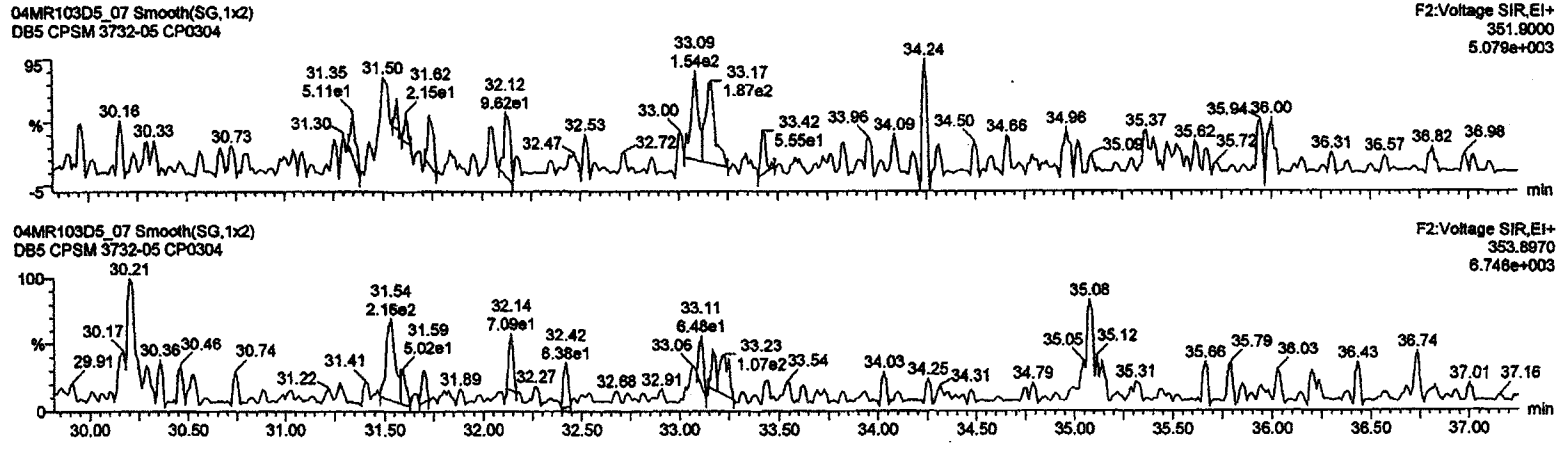
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

PeCDFs



13C-PeCDFs



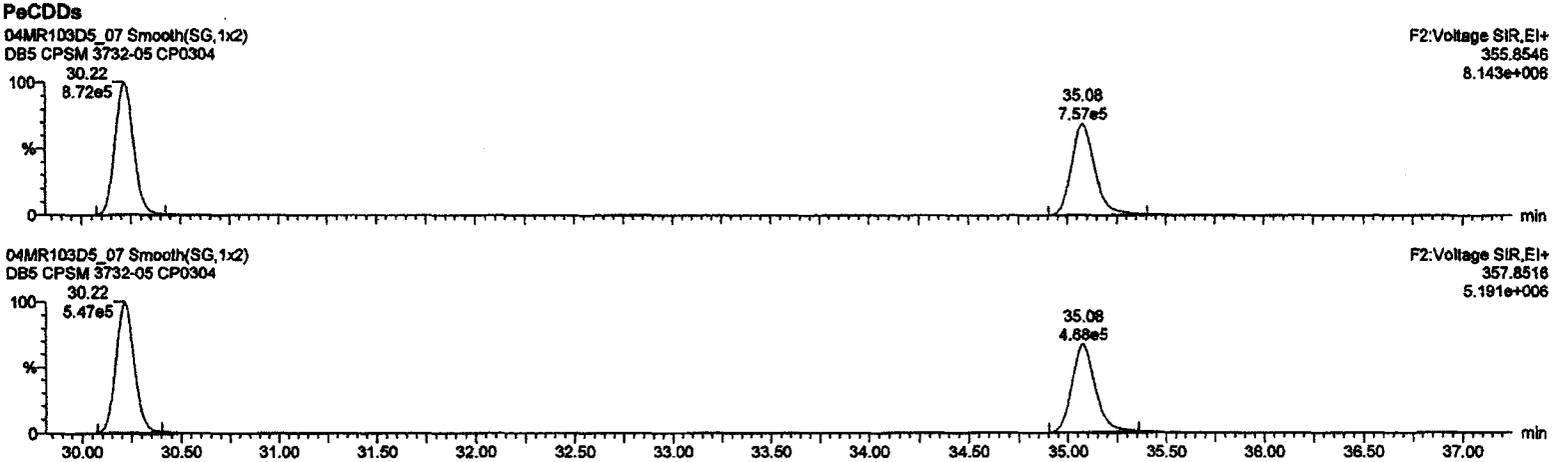
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

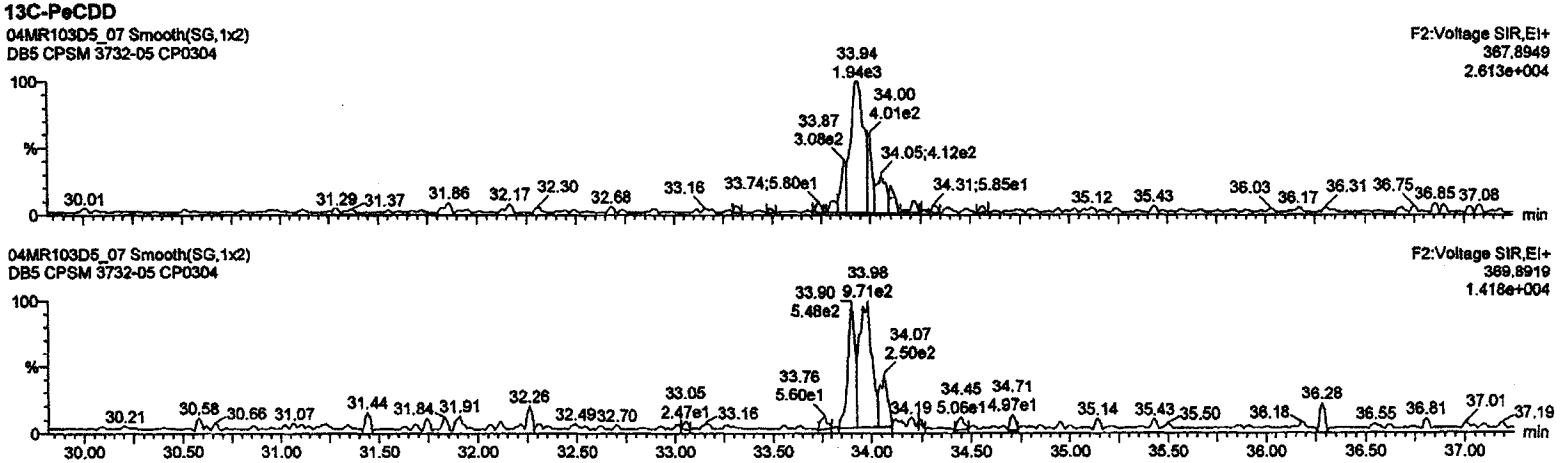
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

PeCDDs



13C-PeCDD



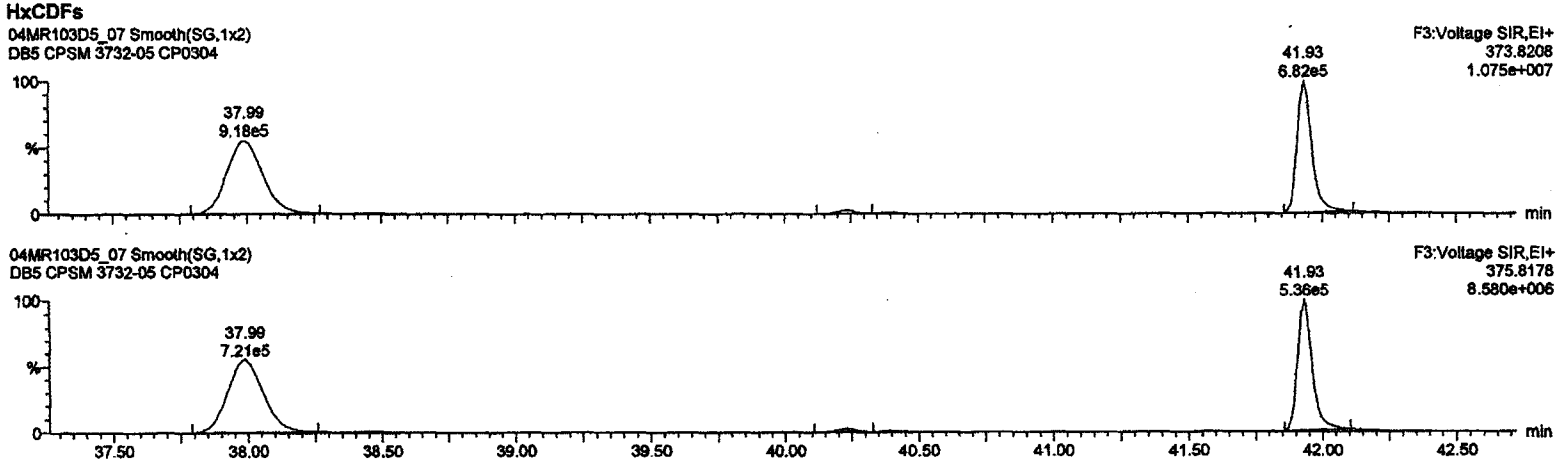
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

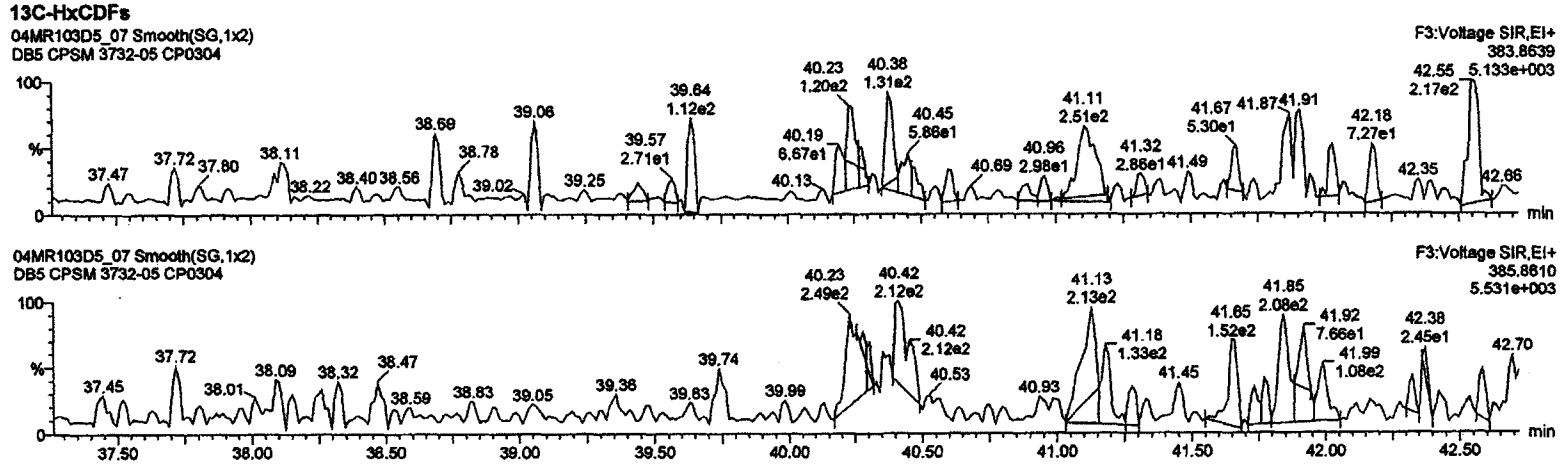
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

HxCDFs



13C-HxCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
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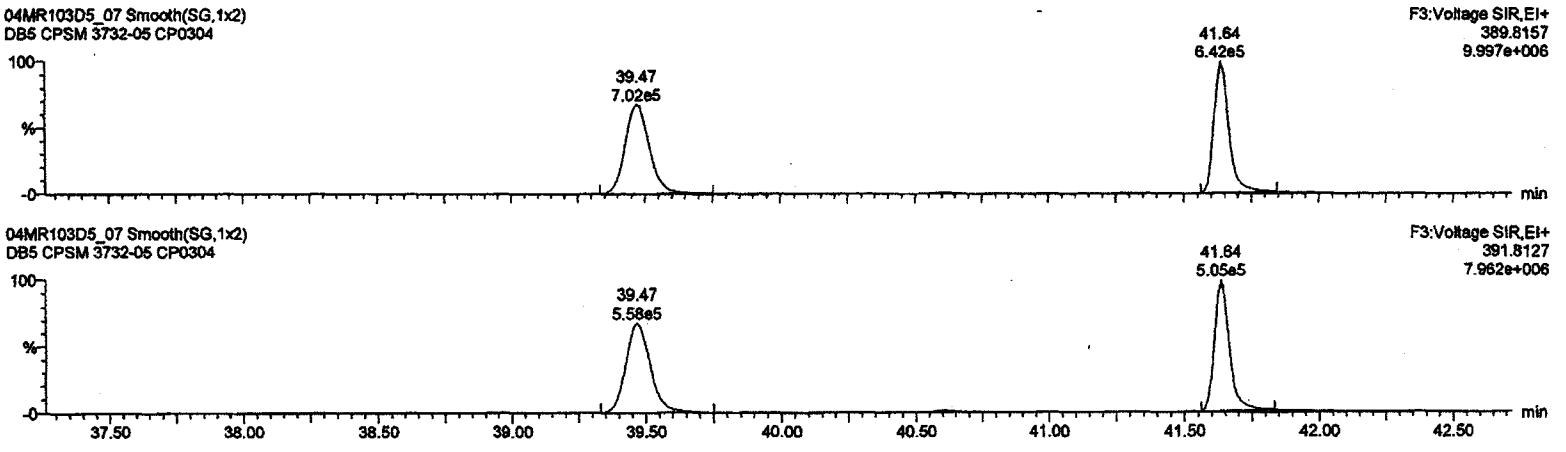
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

HxCDDs



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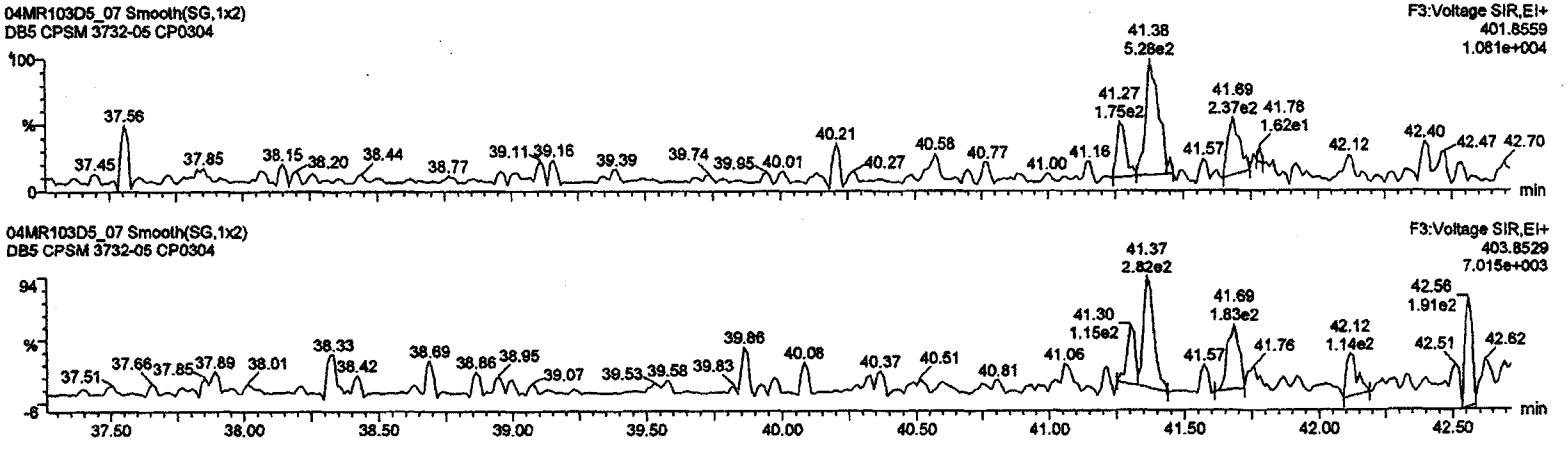


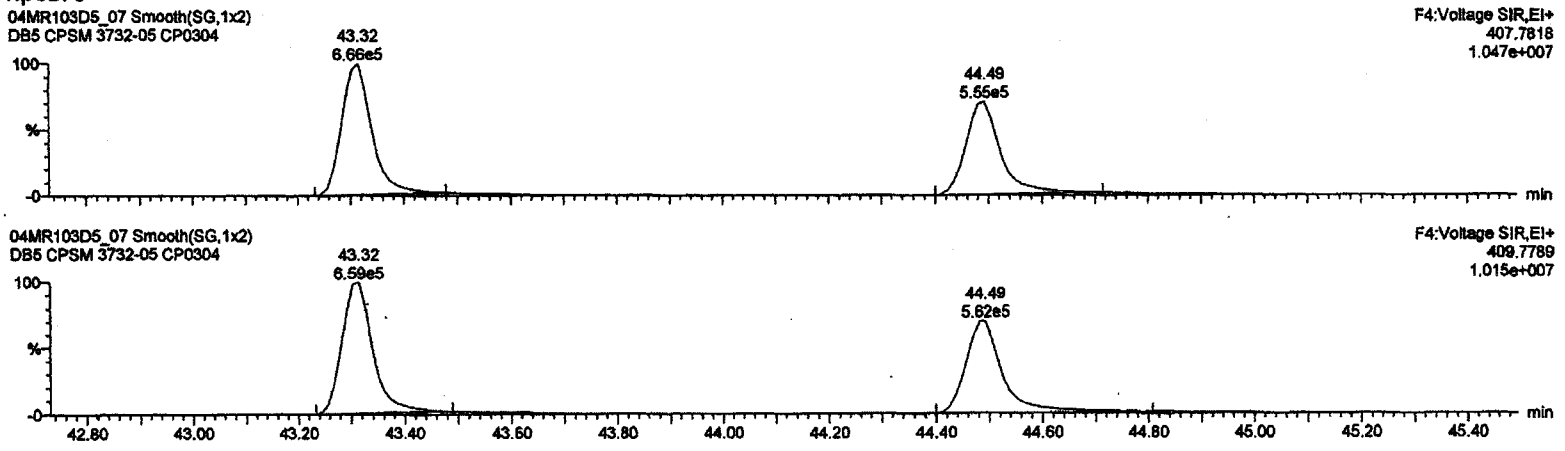
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

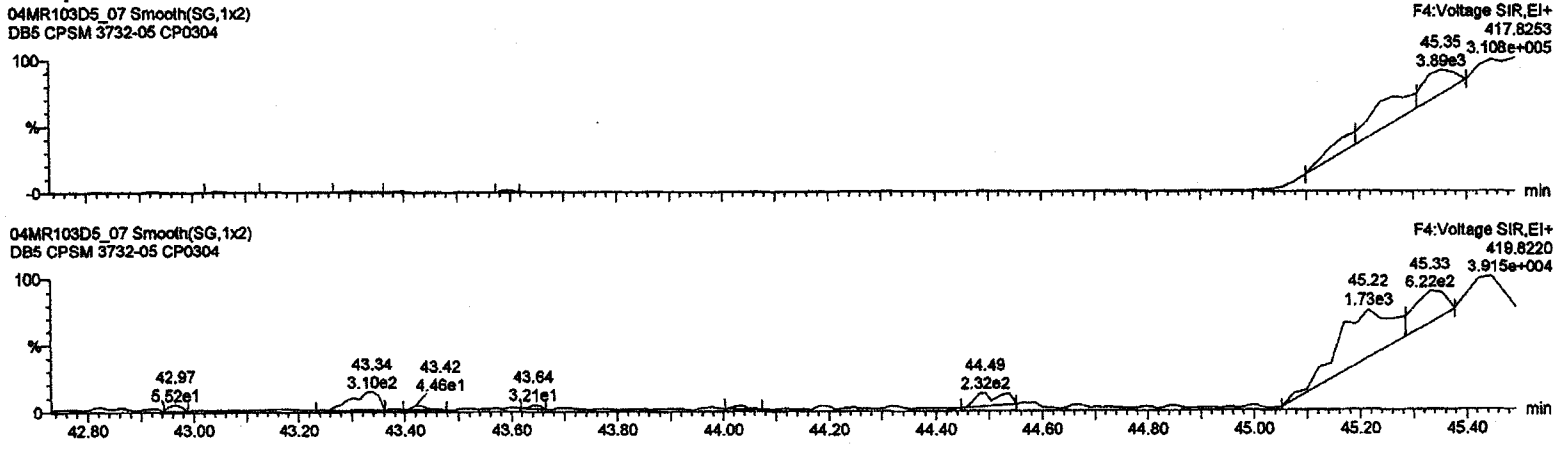
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

HpCDFs



13C-HpCDFs



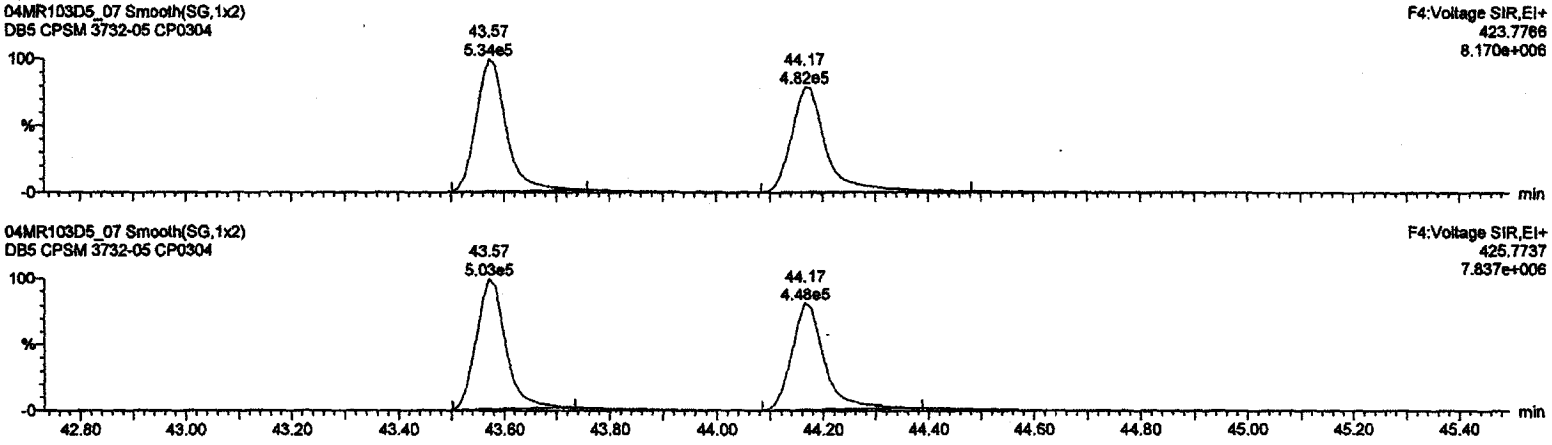
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

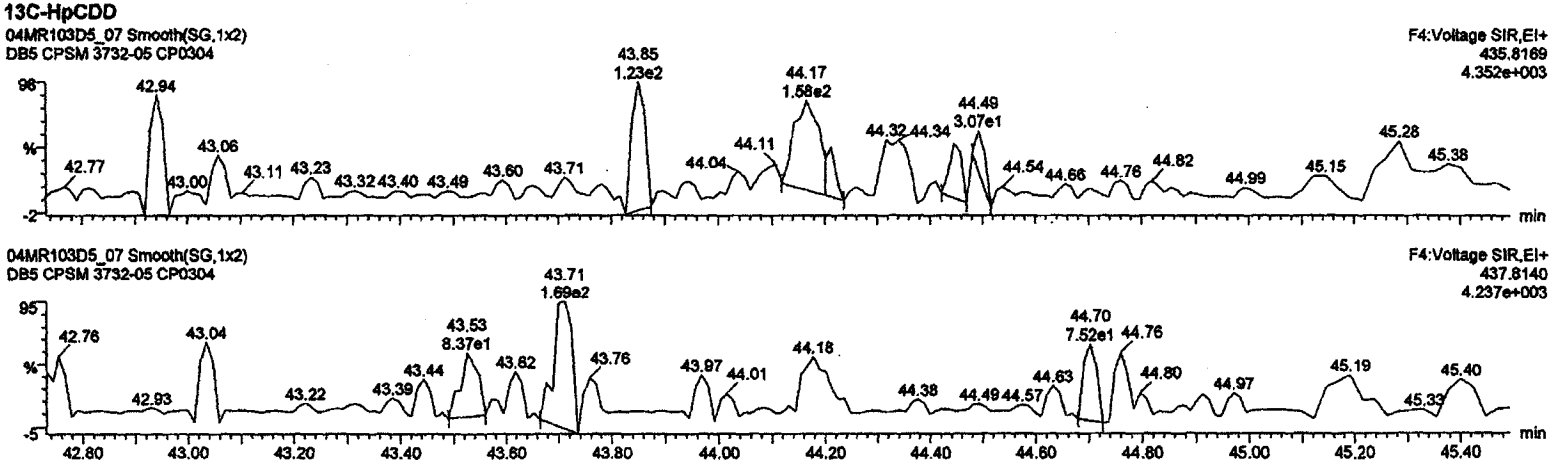
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

HpCDDs



13C-HpCDD



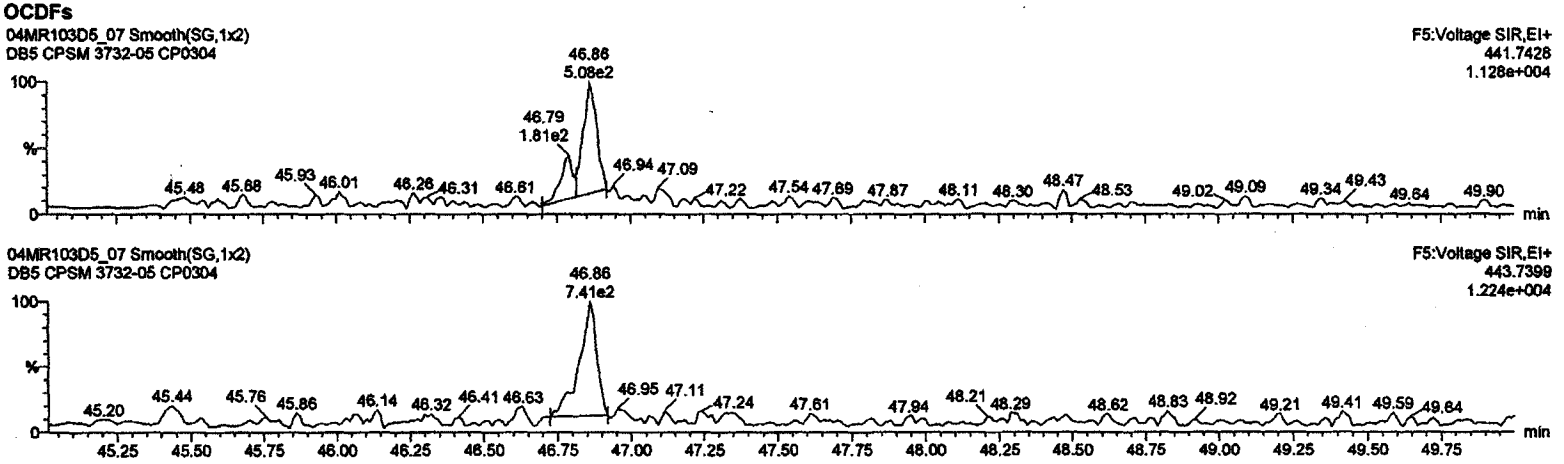
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

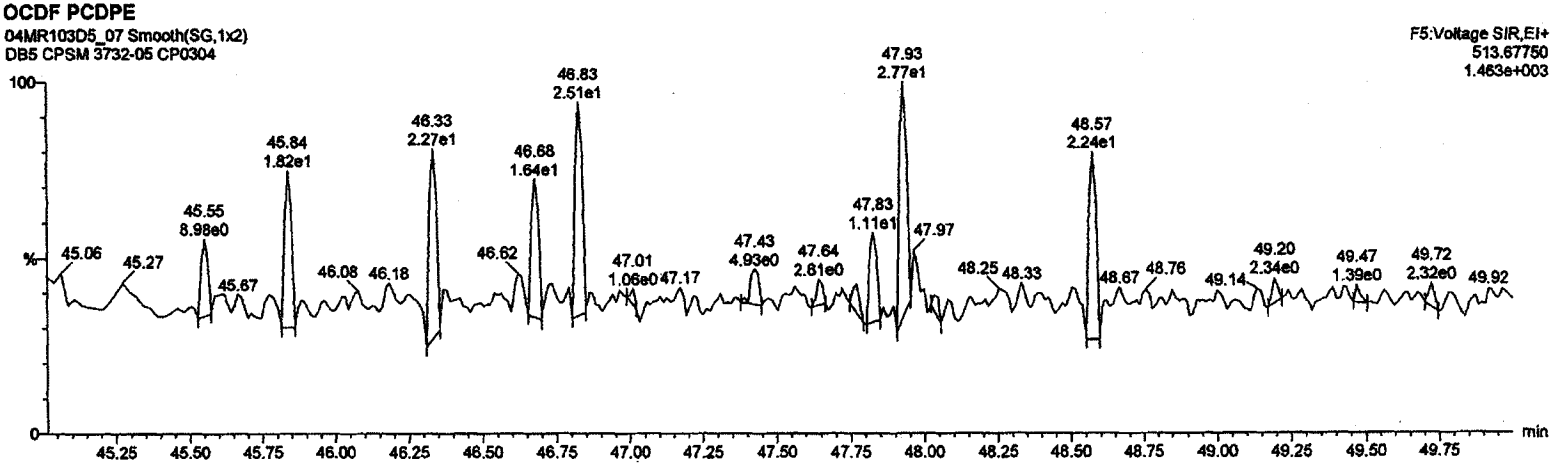
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

OCDFs



OCDF PCDPE



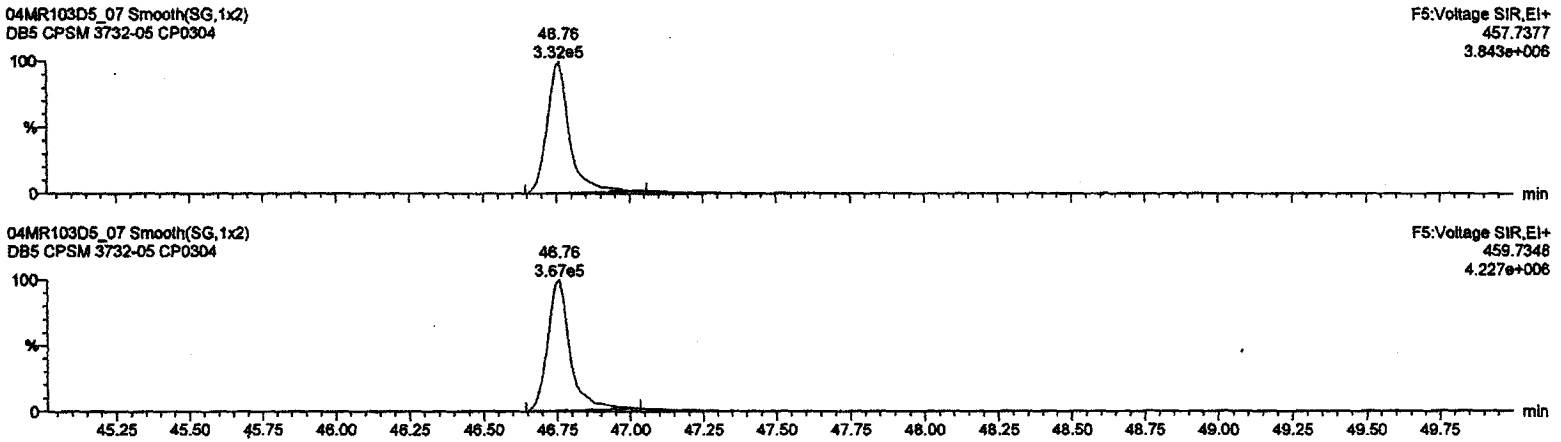
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

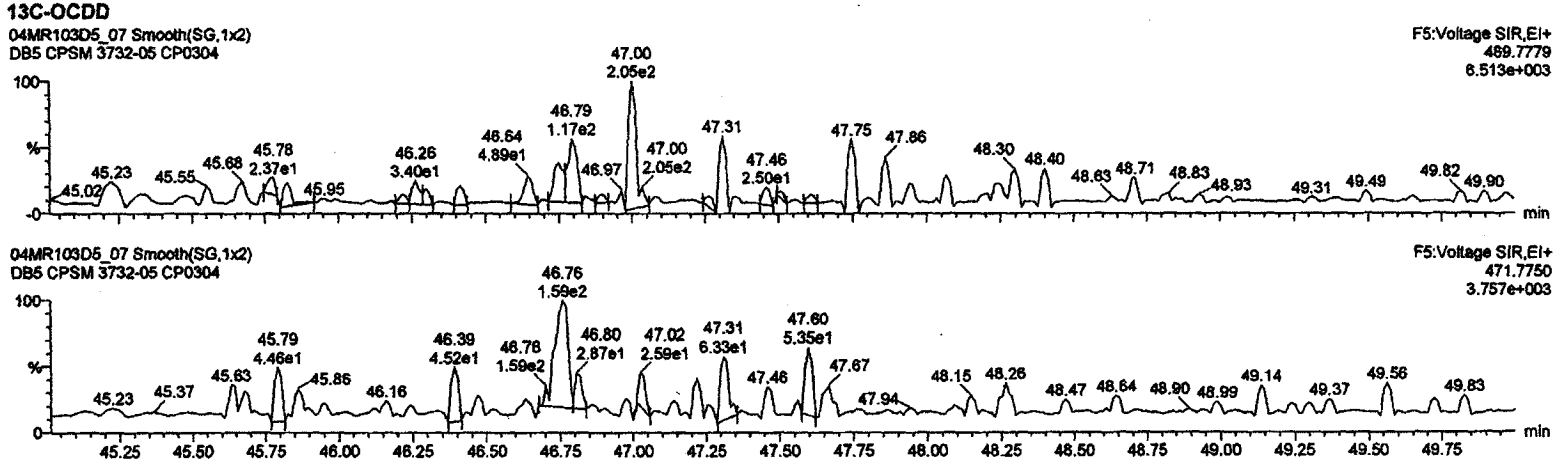
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

OCDD



13C-OCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
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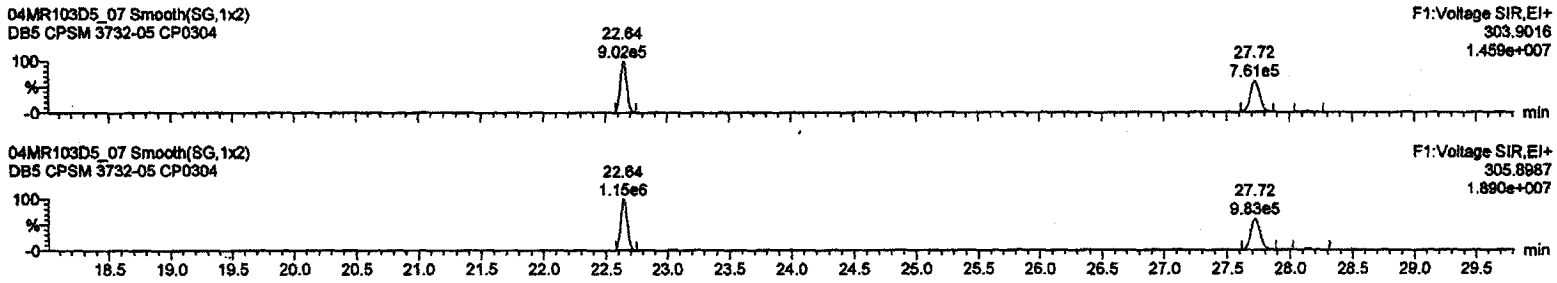
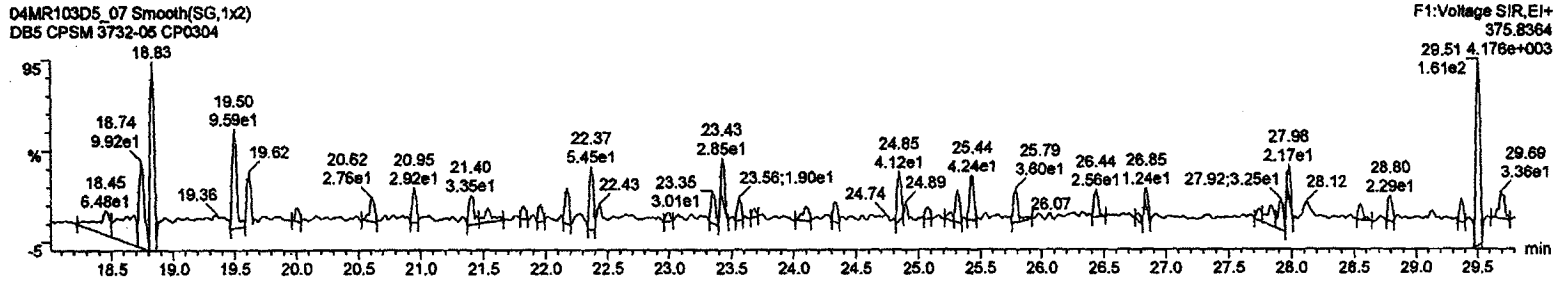
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

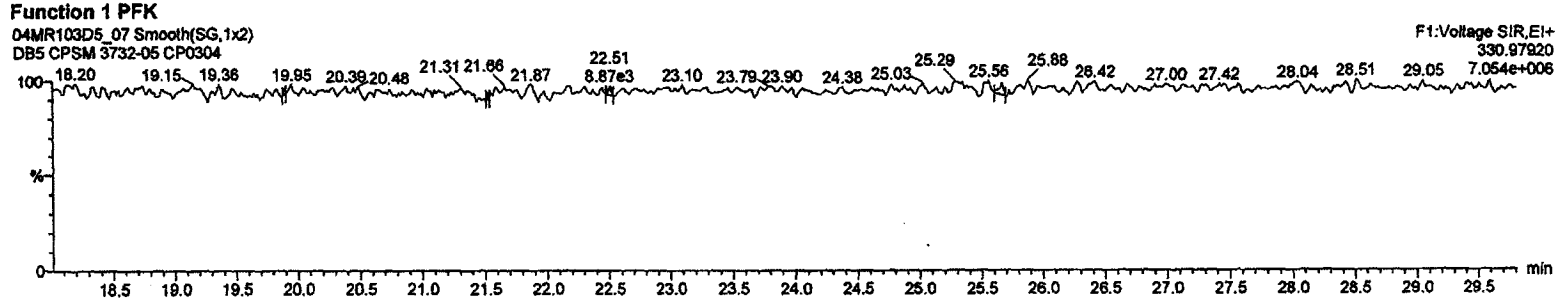
TCDFs



TCDF PCDPE



Function 1 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
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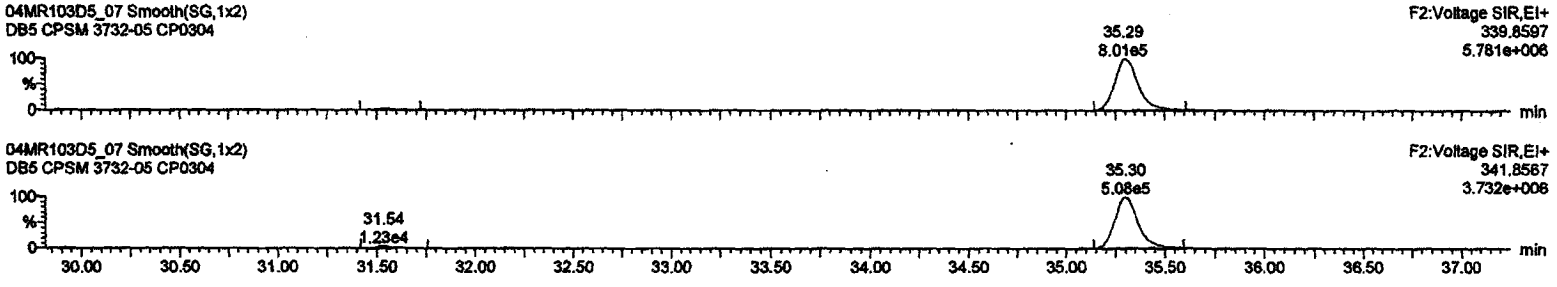
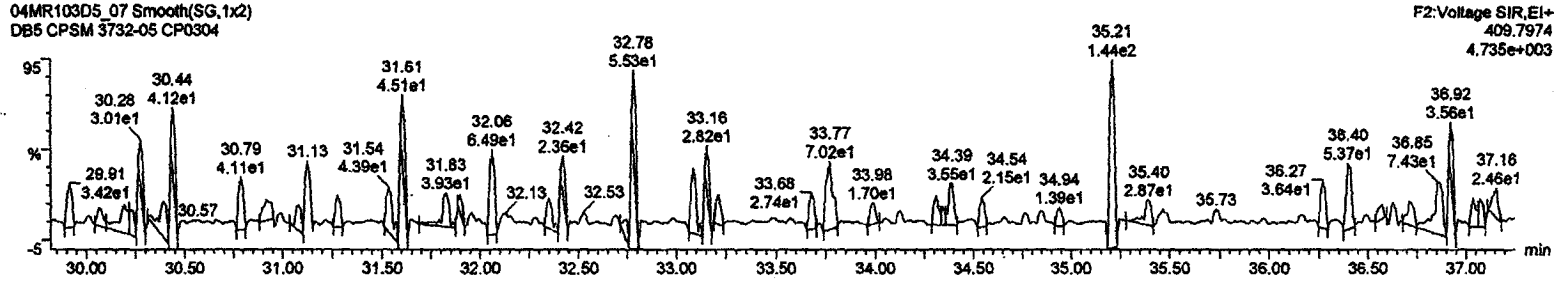
Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

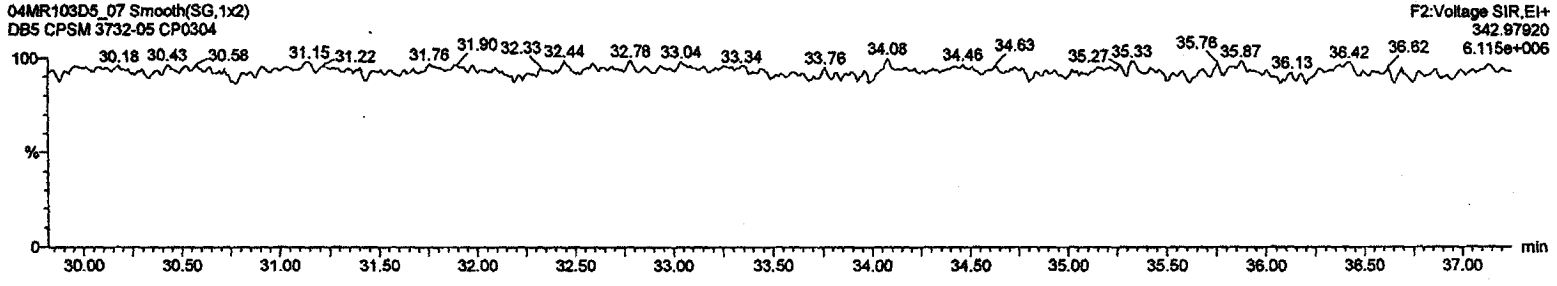
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



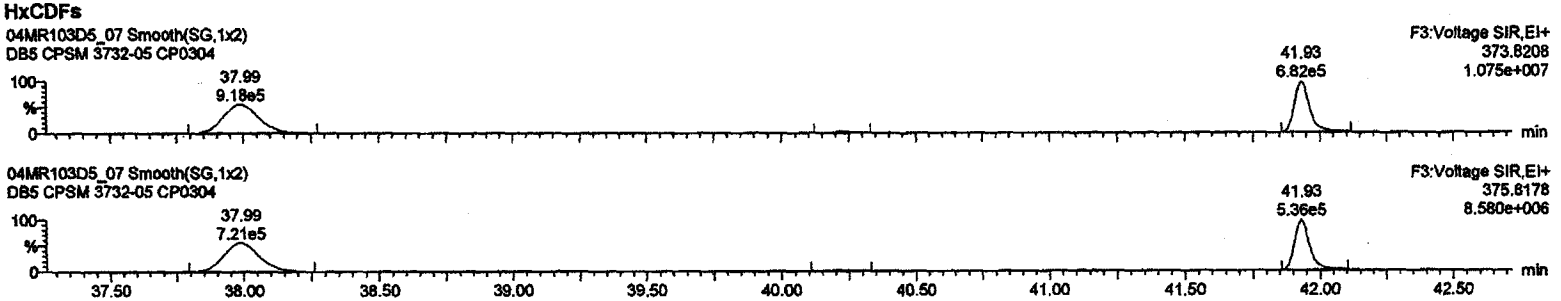
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

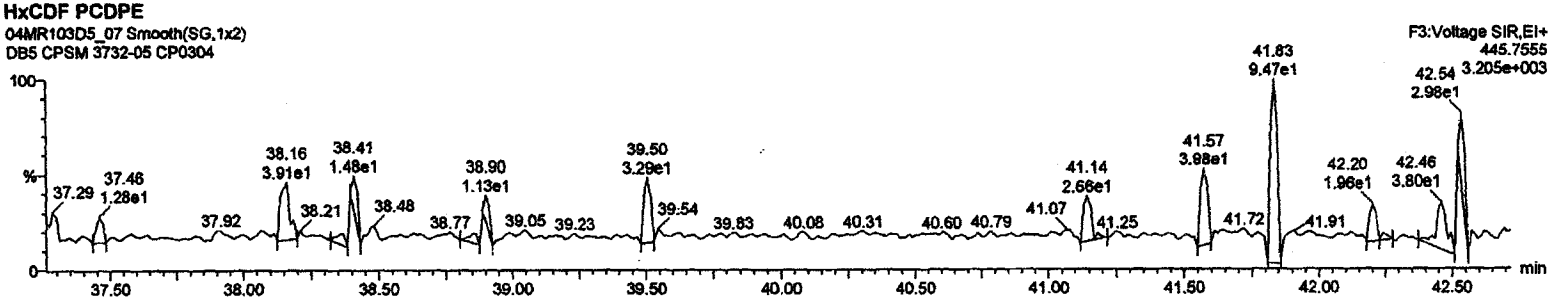
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

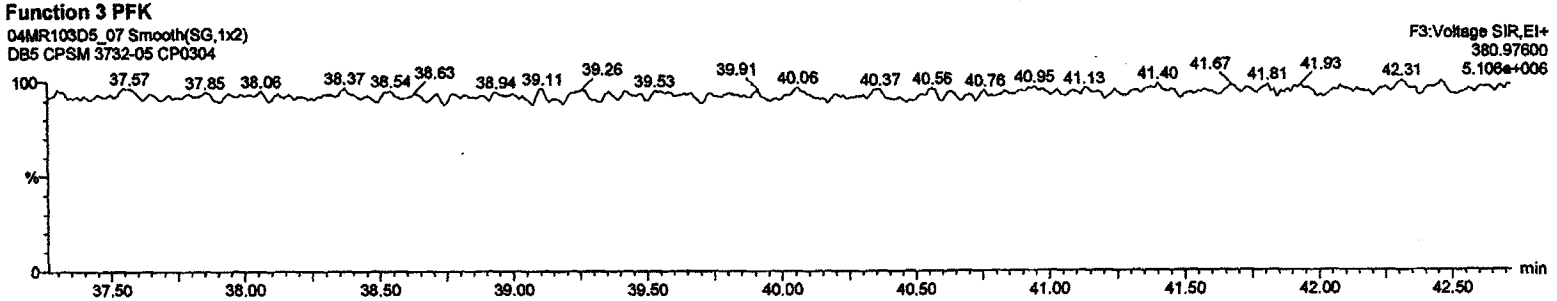
HxCDFs



HxCDF PCDPE



Function 3 PFK



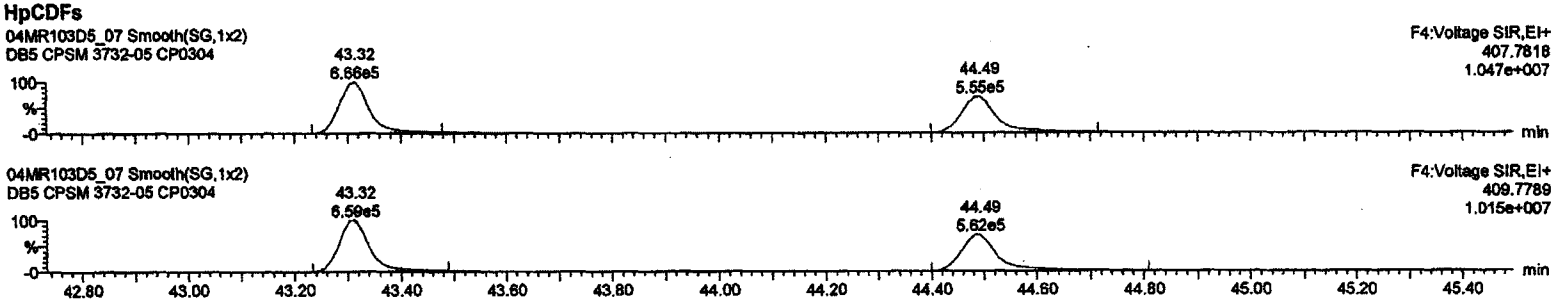
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

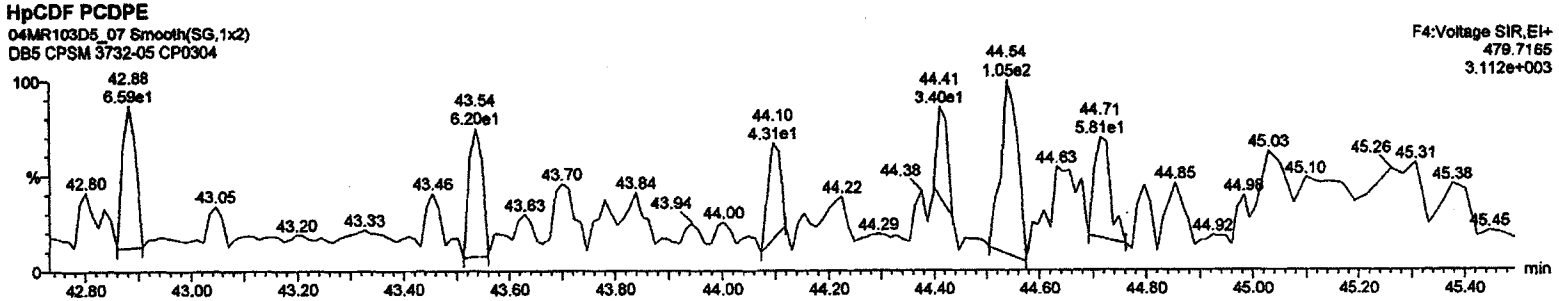
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

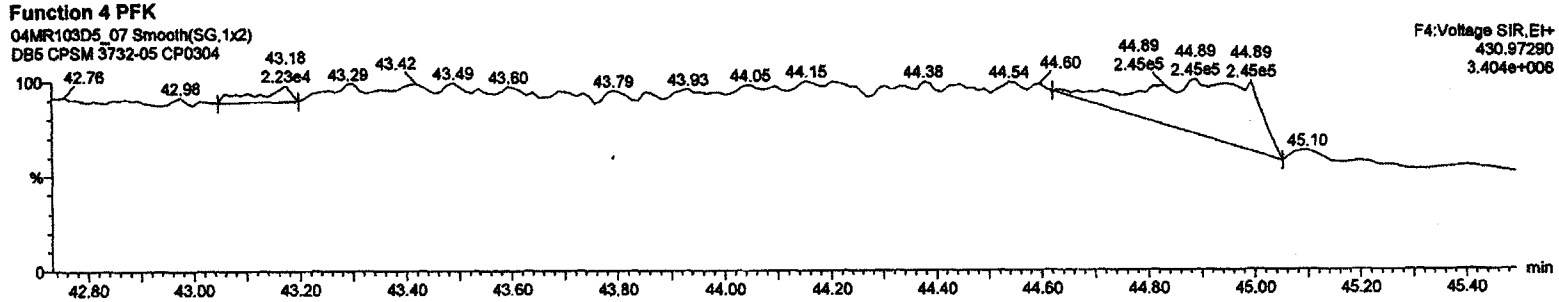
HpCDFs



HpCDF PCDPE



Function 4 PFK



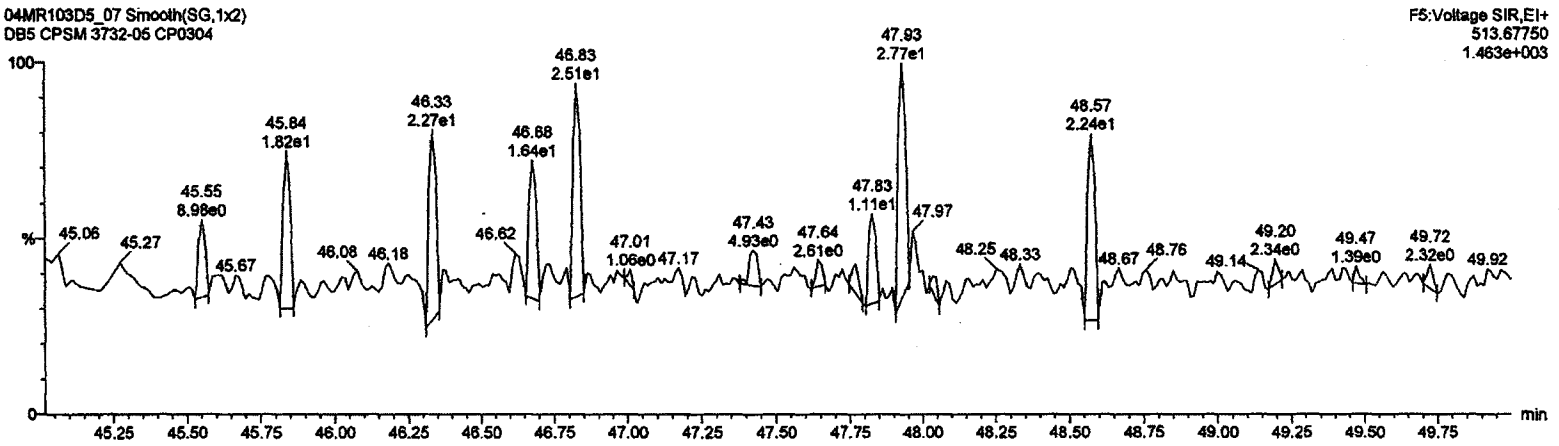
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\04MR103D516132ndSource.qld

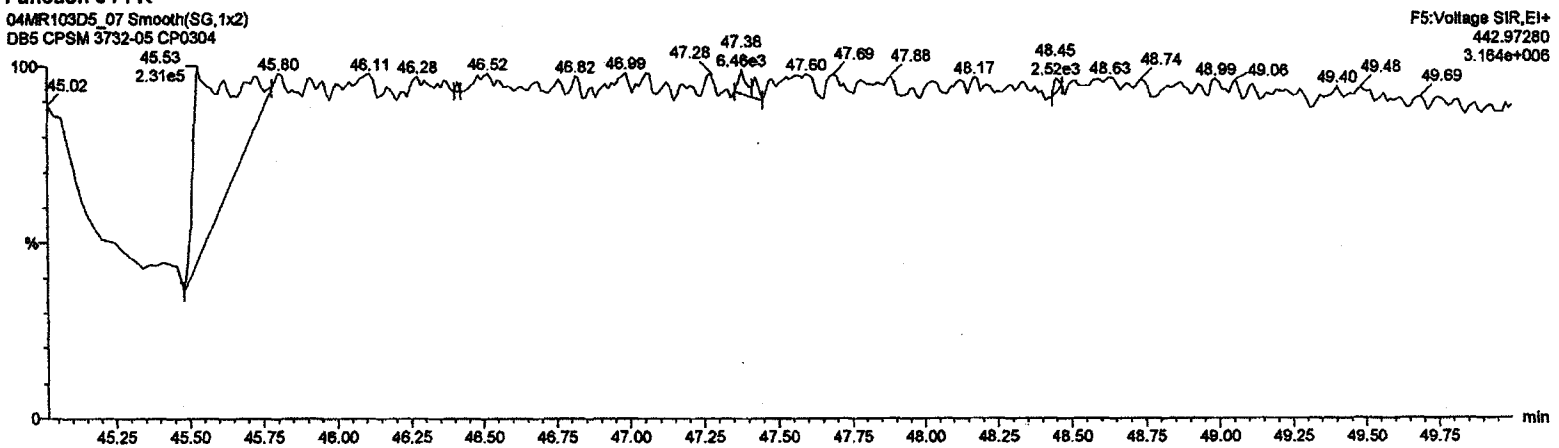
Last Altered: Thursday, March 04, 2010 17:10:05 Pacific Standard Time
Printed: Thursday, March 04, 2010 17:10:38 Pacific Standard Time

Name: 04MR103D5_07, Date: 04-Mar-2010, Time: 16:18:22, ID: CP0304, Description: DB5 CPSM 3732-05

OCDF PCDPE



Function 5 PFK



Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Solid Extraction

Batch: 0109260
MS Run #: 0111057
Prep Date: 4/19/2010

Shared QC Batch: None
Shares QC With: M

Box # 75

Internal COC:	
Delivered to Inst.:	04/21/10 T.L
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: 1600 (Mark) Soxhlet time off: 2000 (Mark)

Prep Reagents		
Reagent	**Supplier**	**Lot #**
Toluene	Baker	G41P51
Hexane	Baker	H37E41
H2SO4	Baker	H35F03
20% DCM:Hexane	NA	3630-53B
65% DCM:Hexane	NA	3630-53C
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 *	Final Volume 10 20 50 uL	Final Volume Other	Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
G0D140435 - 1		LXXQX1AD	5/12/2010	10.58	✓	T.L 4/21/10	6/3/2010	C5-42	R-28C	4
G0D140435 - 2		LXXTC1AD	5/12/2010	10.32	✓		6/3/2010	C4-48	R-12C	9
G0D140435 - 4		LXXTR1AD	5/12/2010	10.03	✓		6/3/2010	C5-37	R-82C	4
G0D140526 - 1		LX0LQ1AC	5/12/2010	10.56	✓		6/3/2010	C6-41	R-27C	9
G0D140526 - 1	S	LX0LQ1AD	5/12/2010	10.25	✓		6/3/2010	D1-17	R-29C	4
G0D140526 - 1	D	LX0LQ1AE	5/12/2010	10.05	✓		6/3/2010	D2-46	R-92C	9
G0D140543 - 27		LX0QG1AD	5/12/2010	10.10	✓		6/3/2010	D3-31	R-05C	4
G0D140543 - 52		LX0RC1AD	5/12/2010	10.01	✓	4/21/10	6/3/2010	D4-31	R-20C	9
G0D140543 - 67		LX0R31AD	5/12/2010	10.00	✓		6/3/2010	D5-39	R-14C	4
G0D150462 - 1		LX1GM1AD	5/13/2010	10.50	✓		6/3/2010	D6-14	R-[illegible]C	9
G0D150462 - 1	S	LX1GM1AE	5/13/2010	10.09	✓		6/3/2010	E1-49	R-18C	4
G0D150462 - 1	D	LX1GM1AF	5/13/2010	10.03	✓		6/3/2010	E2-21	R-10C	9
G0D150462 - 3		LX1G81AD	5/13/2010	10.09	✓		6/3/2010	E3-1	R-83C	4
G0D150462 - 5		LX1HD1AD	5/13/2010	10.36	✓		6/3/2010	E4-33	R-26C	9
G0D150462 - 7		LX1HH1AD	5/13/2010	10.96	✓		6/3/2010	E5-45	R-24C	4
G0D150462 - 9		LX1HK1AD	5/13/2010	10.04	✓		6/3/2010	E6-1	R-03C	9
G0D150462 - 11		LX1HN1AD	5/13/2010	[illegible]	DC 4/19/10		6/3/2010			
G0D150589 - 9		LX2G11AD	5/13/2010	10.24	✓		6/3/2010	F1-19	R-81C	4
G0D150589 - 36		LX2JT1AD	5/13/2010	10.00	✓		6/3/2010	F2-67	R-86C	9
G0D190000 - 260	B	LX62M1AA	5/12/2010	10.00	✓		6/3/2010	C4-10	R-08C	4
G0D190000 - 260	C	LX62M1AC	5/12/2010	10.00	✓		6/3/2010	C2-17	R-22C	9

* See attached sheet for sample volumes recorded from scale

Comments/NCMs: G0D150402.11 removed from batch

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	1.0ML10DXN120	10.27.10	CA	[signature]	4.19.10
Spike Mix LCS/LCSD/MS/MS	50.0ML10DXN103	3.9.11	CA	[signature]	4.15.10
Cleanup Standard All Samples	1.0mL10DXN119	04/12/2011	[signature]	T.L	04/20/10
Recovery Standard All Samples	10.0µL09DXN388	11/19/2010	T.L	[signature]	04/21/10
Soxhlet Extraction Analyst/Date	04/4.19.10				

Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
—	T.L 04/20/10	[signature] 4/20/2010	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/10
Time: 8:14:34

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: 002084 Ceasar Cortez

Concentrationist: 000047 Tatyana Lopuga

QC BATCH: 0109260

PREP DATE: 4/19/10 15:00
COMP DATE: 4/21/10 17:00

Reviewer/Date: LOPUGAT / 4/21/10

Dioxins/Furans, HRGC/HRMS (8290)
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/12/10	4/29/10	G0D140435-001 **LXXQX-1-AD**		4W	IN	SOLID	**10.58g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	4/29/10	G0D140435-002 **LXXTC-1-AD**		4W	IN	SOLID	**10.32g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	4/29/10	G0D140435-004 **LXXTR-1-AD**		4W	IN	SOLID	**10.03g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	4/29/10	G0D140526-001 **LX0LQ-1-AC**		4W	IN	SOLID	**10.56g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	4/29/10	G0D140526-001 **LX0LQ-1-ADS**		4W	IN	SOLID	**10.25g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	50.0 UL 10DXN103 NS 1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	4/29/10	G0D140526-001 **LX0LQ-1-AED**		4W	IN	SOLID	**10.65g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	50.0 UL 10DXN103 NS 1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	4/29/10	G0D140543-027 **LX0QG-1-AD**		4W	IN	SOLID	**10.16g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/10
Time: 8:14:34

QC BATCH: 0109260

PREP DATE: 4/19/10 15:00
COMP DATE: 4/21/10 17:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/12/10	4/29/10	G0D140543-052 **LX0RC-1-AD**		4W	IN	SOLID	**10.01g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	4/29/10	G0D140543-067 **LX0R3-1-AD**		4W	IN	SOLID	**10.00g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	4/29/10	G0D150462-001 **LX1GM-1-AD**		4W	IN	SOLID	**10.50g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	4/29/10	G0D150462-001 **LX1GM-1-AES**		4W	IN	SOLID	**10.89g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	50.0 UL 10DXN103 NS 1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	4/29/10	G0D150462-001 **LX1GM-1-AFD**		4W	IN	SOLID	**10.02g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	50.0 UL 10DXN103 NS 1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	4/29/10	G0D150462-003 **LX1G8-1-AD**		4W	IN	SOLID	**10.69g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	4/29/10	G0D150462-005 **LX1HD-1-AD**		4W	IN	SOLID	**10.36g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	4/29/10	G0D150462-007 **LX1HH-1-AD**		4W	IN	SOLID	**10.95g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	4/29/10	G0D150462-009 **LX1HK-1-AD**		4W	IN	SOLID	**10.84g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/13/10	5/03/10	G0D150589-009 **LX2G1-1-AD**		4W	IN	SOLID	**10.24g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/10
Time: 8:14:34

QC BATCH: 0109260

PREP DATE: 4/19/10 15:00
COMP DATE: 4/21/10 17:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/13/10	5/03/10	G0D150589-036 **LX2JT-1-AD**		4W	IN	SOLID	**10.00g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	0/00/00	G0D190000-260 **LX62M-1-AA**B		4W	IN	SOLID	**10.00g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	1.0 ML 10DXN120 IS
COMMENTS:															
5/12/10	0/00/00	G0D190000-260 **LX62M-1-AC**C		4W	IN	SOLID	**10.00g** 10.00uL	NA	NA	NA	TOL	150.0	C-14	100.0	50.0 UL 10DXN103 NS 1.0 ML 10DXN120 IS
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 20

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0109260 Test: B298c

Prep Date: 4. .10 Holding Times: 5.12.10 5.13.10 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: 4/19/10

2nd Level Reviewer: _____ Date: 4/21/10

Comments:

TestAmerica West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Checklist
HRGCMS/LRGCMS Analyses

Batch #: 0109260 Method ID: 8290

	DB-5	DB-225
Data Analyst:	OS	OS
Date initiated:	04-29-10	04-29-10
Reviewer:	MWolf	MWolf
Date reviewed:	4/29/2010	4/29/2010

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?*	①	①	✓	✓
-Ion ratios within + 15% of theoretical values?	✓	✓	✓	✓
-Other QC (Dup,MS,SD) within specs?**	NA	na	NA	na

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?	✓	✓	✓	✓

Comments: (Use other side if necessary)

① Low IS recoveries see NCM #07-0105966

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 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: 0108010

Analyzed by: FRANCISF Report created: 4/19/10 9:06:14 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
G0D140435-1	LXXQX1AC	1.31	6.30	6.03	0.27	5.41	94.59	0.1		4/19/10 9:04:00 AM
G0D140435-1	LXXQX1AE	1.31	5.96	5.73	0.23	4.95	95.05	0.1		4/19/10 9:04:08 AM
G0D140435-2	LXXTC1AC	1.31	7.82	7.52	0.30	4.61	95.39	0.1		4/19/10 9:04:15 AM
G0D140435-4	LXXTR1AC	1.31	8.32	7.99	0.33	4.71	95.29	0.1		4/19/10 9:04:22 AM
G0D140543-67	LX0R31AC	1.32	9.47	8.80	0.67	8.22	91.78	0.1		4/19/10 9:04:28 AM
G0D150462-1	LX1GM1AC	1.31	13.68	11.38	2.30	18.59	81.41	0.1		4/19/10 9:04:35 AM
G0D150462-3	LX1G81AC	1.31	9.35	8.97	0.38	4.73	95.27	0.1		4/19/10 9:04:42 AM
G0D150462-5	LX1HD1AC	1.31	7.24	6.22	1.02	17.20	82.80	0.1		4/19/10 9:04:48 AM
G0D150462-7	LX1HH1AC	1.31	8.90	8.34	0.56	7.38	92.62	0.1		4/19/10 9:04:55 AM
G0D150462-9	LX1HK1AC	1.31	8.93	8.58	0.35	4.59	95.41	0.1		4/19/10 9:05:02 AM
G0D160601-1	LX45M1AA	1.31	8.49	8.15	0.34	4.74	95.26	0.1		4/19/10 9:05:08 AM
G0D160601-2	LX45Q1AA	1.32	7.35	6.91	0.44	7.30	92.70	0.1		4/19/10 9:05:14 AM
G0D160601-3	LX45R1AA	1.32	6.64	6.45	0.19	3.57	96.43	0.1		4/19/10 9:05:21 AM
G0D160601-4	LX45T1AA	1.32	7.79	7.23	0.56	8.66	91.34	0.1		4/19/10 9:05:28 AM
G0D160601-5	LX45V1AA	1.32	10.16	9.87	0.29	3.28	96.72	0.1		4/19/10 9:05:35 AM
G0D160601-6	LX45X1AA	1.32	6.56	6.18	0.38	7.25	92.75	0.1		4/19/10 9:05:42 AM
G0D160601-7	LX4501AA	1.32	10.26	9.96	0.30	3.36	96.64	0.1		4/19/10 9:05:53 AM
G0D160601-8	LX4511AA	1.31	10.00	9.66	0.34	3.91	96.09	0.1		4/19/10 9:06:03 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