TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

September 9, 2010

TestAmerica Project Number: G0H260533
PO/Contract:

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

Dear Mr. Splitter,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on August 26, 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

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TestAmerica West Sacramento Project Number G0H260533

Case Narrative

TestAmerica West Sacramento Project Number G0H260533

AIR, TO-13, Semivolatile Organics
Sample(s): 6, 7
The surrogate recoveries in the samples were high and outside criteria. However, the surrogate recoveries in the associated method blank and laboratory control sample (LCS) were within established control limits. The results may be biased low. The matrix effect was confirmed by re-analysis. As air samples are unique, there is no possibility for re-extraction.

AIR, TO-9, Dioxins/Furans
Sample(s): 1, 2, 5
The recovery for the pre-spike compound 37CL-2,3,7,8-TCDD has recovery above the established method specified control limit. Upon investigation it was observed that the response of this compound in the initial calibration differed from the response of this analyte in the pre-spike that was used in the above samples. This is the result of a variation in the manufacturing process from lot to lot.
Since the recovery surrogate is high in the samples indicates there were no losses due to the sampling process. Also 37CL-2,3,7,8-TCDD is not used to quantitate target analyte results and all internal standard recoveries are in control. There is no adverse impact to data quality due to this non-conformance.

Sample(s): 1, 2
Several analytes in each sample and in the method blank 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.

Sample(s): 2, 5
The bracketing continuing calibration standard, analyzed September 2, 2010 at 07:36, has 1,2,3,7,8-PeCDD with percent difference value that is between the method recommended criteria of 20% to 25% deviation from the initial calibration curve. Per method guidelines, an average relative response factor (RRF=1.11) is calculated from bracketing continuing calibration standards and is used to quantitate any positive results in the associated samples for the affected analytes. There is no impact on the data as a result of this anomaly.

There were no other anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

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

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

QC Parameter Definitions

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

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

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

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

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

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

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

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

Sample Summary

TestAmerica West Sacramento Project Number G0H260533

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
L563K	1	UW-08242010	8/24/2010 03:55 AM	8/26/2010 09:10 AM
L5634	2	DW-08242010	8/24/2010 04:21 AM	8/26/2010 09:10 AM
L5636	3	UW-08252010	8/25/2010 04:20 AM	8/26/2010 09:10 AM
L564C	4	DW-08252010	8/25/2010 04:45 AM	8/26/2010 09:10 AM
L564F	5	QAQC-08252010	8/25/2010 04:50 AM	8/26/2010 09:10 AM
L564J	6	UW-08242010	8/24/2010 04:00 AM	8/26/2010 09:10 AM
L5648	7	DW-08242010	8/24/2010 04:16 AM	8/26/2010 09:10 AM
L565G	8	UW-08252010	8/25/2010 04:22 AM	8/26/2010 09:10 AM
L565K	9	DW-08252010	8/25/2010 04:40 AM	8/26/2010 09:10 AM
L565M	10	QAQC-08252010	8/25/2010 04:50 AM	8/26/2010 09:10 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.

G0H260533

northgate
environmental management, inc.
300 Frank H. Ogawa Plaza, Ste 510
Oakland, CA 94612 (510) 839-0688

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1
Cooler # 1 of 1

COC # 2027.07.0004
Total # of Samples: 10 Event Complete?
Regular Rush 3 DAY 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 #	2027.07		Address:	PO Box 55		
	West Sacramento, CA 95605	Site Address	560 W Lake Mead Pkwy		City/State.	Henderson, NV 89009	Phone #:	(949) 260-9293
Lab PM:	David Alfucker	City	Henderson	State, Zip NV, 89015	PO #			
Phone/Fax:	(916) 373-5600	Site PM Name	Ted Splitter		Send EDD to	Frank.Hagar@ngem.com		
Lab PM email	David.Alfucker@testamericainc.com	Phone/Fax:	(510) 435-4609		CC Hardcopy report to	PDF Electronic Version Only – FTP Upload		
Applicable Lab Quote #:		Site PM Email:	Ted.Splitter@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.	TO-9A/Dioxins, Furans	TO-13A/8270C/HCB	Hold
	UW-08242010		AA			8/24/2010	355a	1	414 m3	✓		
	UW-08242010		AA			8/24/2010	400a	1	425.08 m3		✓	
	DW-08242010		AA			8/24/2010	424a	1	427.43 m3	✓		
	DW-08242010		AA			8/24/2010	416a	1	425.08 m3		✓	
	UW-08252010		AA			8/25/2010	420a	1	396.39 m3	✓	✓	
	UW-08252010		AA			8/25/2010	422a	1	414.70 m3		✓	✓
	DW-08252010		AA			8/25/2010	445a	1	397.79 m3	✓		✓
	DW-08252010		AA			8/25/2010	440a	1	393.38 m3		✓	✓
	QAQC-08252010		AA			8/25/2010	450a	1		✓		✓ STB
	QAQC-08252010		AA			8/25/2010	450a	1			✓	✓ STB
	TEMP BLANK (STB)					8/25/10	—		—			

Additional Comments/Special Instructions: (STD)
ANALYZE SAMPLES QAQC - 08252010

	8/24/10			25 AUGUST	17:00	

Sample Receipt Conditions

Temp in OC	Samples on Ice?	Sample intact?	Trip Blank?
5°C	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

PRINT Name of SAMPLER: AMY L. GREENAWALD
SIGNATURE of SAMPLER: [signature] DATE Signed 8/25/2010 Time: 6:00 AM

TestAmerica

411111 THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT NORTH GATE (TRONOX) PM DA LOG # 66602

LOT# (QUANTIMS ID) G0H260533 QUOTE# 84087 LOCATION W140

Checked (✓)

DATE RECEIVED 26 AUG 10 TIME RECEIVED 0910 ☑

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) n/a

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

COC #(S) 7027.07.0004 ☑

TEMPERATURE BLANK Observed: 4 °C Corrected: 5 °C

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: n/a Average n/a Corrected Average n/a

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☑ #5 ☐ ☐ OTHER ☑

Initials [signature] Date 26 AUG 10

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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 [signature] Date 26 AUG 10

Notes

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

TestAmerica West Sacramento

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0H260533

	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

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LEAVE NO SPACES BLANK. USE "NA" IF NOT APPLICABLE.

AIR, TO-13, Semivolatile Organics

Northgate Environmental Management, Inc.

Sample ID: UW-08242010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 006	**Work Order #....:**	L564J1AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	1
Prep Date....:	08/26/10	**Analysis Date....:**	08/30/10	**Volume....:**	425.08
Prep Batch # ....:	0238345	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.024	0.0031	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	49	*	60 - 120
2-Fluorobiphenyl	82		58 - 105
2-Fluorophenol	67		41 - 105
Nitrobenzene-d5	67		46 - 118
Phenol-d5	79		43 - 122
Terphenyl-d14	88		69 - 110
2,4,6-Tribromophenol	100		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-08242010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 007	**Work Order #....:**	L56481AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	1
Prep Date....:	08/26/10	**Analysis Date....:**	08/30/10	**Volume....:**	425.08
Prep Batch # ....:	0238345	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.024	0.0031	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	55	*	60 - 120
2-Fluorobiphenyl	82		58 - 105
2-Fluorophenol	72		41 - 105
Nitrobenzene-d5	73		46 - 118
Phenol-d5	82		43 - 122
Terphenyl-d14	90		69 - 110
2,4,6-Tribromophenol	97		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: QAQC-08252010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 010	**Work Order #....:**	L565M1AA	**Matrix....:**	AIR
Date Sampled....:	08/25/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	1
Prep Date....:	08/26/10	**Analysis Date....:**	08/30/10	**Volume....:**	1
Prep Batch # ....:	0238345	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	10.0	1.3	ug/m3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	72	60 - 120
2-Fluorobiphenyl	81	58 - 105
2-Fluorophenol	66	41 - 105
Nitrobenzene-d5	73	46 - 118
Phenol-d5	75	43 - 122
Terphenyl-d14	89	69 - 110
2,4,6-Tribromophenol	95	61 - 118

QUALIFIERS

QC DATA ASSOCIATION SUMMARY

G0H260533

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-9		0238346	
002	AA	EPA-2 TO-9		0238346	
005	AIR	EPA-2 TO-9		0238346	
006	AA	EPA-2 TO-13		0238345	
007	AA	EPA-2 TO-13		0238345	
010	AIR	EPA-2 TO-13		0238345	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0H260000 - 345B	**Work Order #....:**	L568C1AA	**Matrix....:**	AIR
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	1
Prep Date....:	08/26/10	**Analysis Date....:**	08/30/10	**Volume....:**	0
Prep Batch # ....:	0238345	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	10.0	1.3	ug

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	85	60 - 120
2-Fluorobiphenyl	82	58 - 105
2-Fluorophenol	68	41 - 105
Nitrobenzene-d5	71	46 - 118
Phenol-d5	80	43 - 122
Terphenyl-d14	87	69 - 110
2,4,6-Tribromophenol	96	61 - 118

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0H260533	**Work Order # ...:**	L568C1AC-LCS L568C1AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0H260000 - 345				
Prep Date .....:	08/26/10	**Analysis Date ..:**	08/30/10		
Prep Batch # ...:	0238345				
Dilution Factor :	1				
Analyst ID.....:	Kenny Q. Truong	**Instrument ID..:**	5MH	**Method.....:**	EPA-2 TO-13
Initial Wgt/Vol:	1 Sample				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Hexachlorobenzene	**100**	**93.0**	**ug**	**93**	**(70 - 110)**		
	100	**91.1**	**ug**	**91**	**(70 - 110)**	**2.0**	**(0 - 30)**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	87	(58 - 105)
	87	(58 - 105)
2-Fluorophenol	71	(41 - 105)
	69	(41 - 105)
Nitrobenzene-d5	75	(46 - 118)
	78	(46 - 118)
Phenol-d5	81	(43 - 122)
	78	(43 - 122)
Terphenyl-d14	87	(69 - 110)
	83	(69 - 110)
2,4,6-Tribromophenol	101	(61 - 118)
	95	(61 - 118)

Notes:

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

Bold print denotes control parameters

AIR, TO-9, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: UW-08242010

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0H260533 - 001	**Work Order #....:**	L563K1AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Instrument ID....:**	4D5
Prep Date....:	08/26/10	**Analysis Date....:**	09/01/10	**Volume....:**	414
Prep Batch # ....:	0238346	**Dilution Factor....:**	2	**Units.....:**	pg
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	**1.3**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	ND		100		0
1,2,3,4,6,7,8-HpCDD	**8.6**	**J Q B**	**100**	**0.01**	**0.00021**
Total HpCDD	**19**		**100**		
OCDD	**58**	**J B**	**200**	**0.0003**	**0.000042**
2,3,7,8-TCDF	**4.4**	**J Q**	**20**	**0.1**	**0.0011**
Total TCDF	**15**		**20**		
1,2,3,7,8-PeCDF	ND		100	0.03	0
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	**7.6**		**100**		
1,2,3,4,7,8-HxCDF	**5.3**	**J**	**100**	**0.1**	**0.0013**
1,2,3,6,7,8-HxCDF	ND		100	0.1	0
2,3,4,6,7,8-HxCDF	ND		100	0.1	0
1,2,3,7,8,9-HxCDF	ND		100	0.1	0
Total HxCDF	**17**		**100**		
1,2,3,4,6,7,8-HpCDF	**11**	**J Q B**	**100**	**0.01**	**0.00027**
1,2,3,4,7,8,9-HpCDF	**3.3**	**J Q B**	**100**	**0.01**	**0.000080**
Total HpCDF	**18**		**100**		
OCDF	**48**	**J**	**200**	**0.0003**	**0.000035**
Total TEQ Concentration					**0.0030**

Northgate Environmental Management, Inc.

Sample ID: UW-08242010

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0H260533 - 001	**Work Order #....:**	L563K1AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Instrument ID....:**	4D5
Prep Date....:	08/26/10	**Analysis Date....:**	09/01/10	**Volume....:**	414
Prep Batch # ....:	0238346	**Dilution Factor....:**	2	**Units.....:**	pg
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	99	50 - 120
13C-1,2,3,7,8-PeCDD	89	50 - 120
13C-1,2,3,6,7,8-HxCDD	95	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	92	40 - 120
13C-OCDD	84	40 - 120
13C-2,3,7,8-TCDF	101	50 - 120
13C-1,2,3,7,8-PeCDF	104	50 - 120
13C-1,2,3,4,7,8-HxCDF	101	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	165	*	50 - 120

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

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Northgate Environmental Management, Inc.

Sample ID: UW-08242010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 001	**Work Order #....:**	L563K1AA	**Matrix.....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	09/01/10	**Volume....:**	414
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.048	0.0016	pg/m3
Total TCDD	**0.0032**		**0.048**	**0.0016**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.24	0.012	pg/m3
Total PeCDD	ND		0.24	0.012	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.24	0.0092	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.24	0.0082	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.24	0.0080	pg/m3
Total HxCDD	ND		0.24	0.0092	pg/m3
1,2,3,4,6,7,8-HpCDD	**0.021**	**J Q B**	**0.24**	**0.0065**	**pg/m3**
Total HpCDD	**0.045**		**0.24**	**0.0065**	**pg/m3**
OCDD	**0.14**	**J B**	**0.48**	**0.012**	**pg/m3**
2,3,7,8-TCDF	**0.011**	**J Q**	**0.048**	**0.0029**	**pg/m3**
Total TCDF	**0.036**		**0.048**	**0.0029**	**pg/m3**
1,2,3,7,8-PeCDF	ND		0.24	0.0041	pg/m3
2,3,4,7,8-PeCDF	ND		0.24	0.0043	pg/m3
Total PeCDF	**0.018**		**0.24**	**0.0041**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.013**	**J**	**0.24**	**0.0068**	**pg/m3**
1,2,3,6,7,8-HxCDF	ND		0.24	0.0063	pg/m3
2,3,4,6,7,8-HxCDF	ND		0.24	0.0065	pg/m3
1,2,3,7,8,9-HxCDF	ND		0.24	0.0075	pg/m3
Total HxCDF	**0.042**		**0.24**	**0.0068**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.027**	**J Q B**	**0.24**	**0.0043**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.0079**	**J Q B**	**0.24**	**0.0053**	**pg/m3**
Total HpCDF	**0.044**		**0.24**	**0.0048**	**pg/m3**
OCDF	**0.11**	**J**	**0.48**	**0.0058**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	99	50 - 120
13C-1,2,3,7,8-PeCDD	89	50 - 120
13C-1,2,3,6,7,8-HxCDD	95	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	92	40 - 120
13C-OCDD	84	40 - 120
13C-2,3,7,8-TCDF	101	50 - 120
13C-1,2,3,7,8-PeCDF	104	50 - 120
13C-1,2,3,4,7,8-HxCDF	101	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	165	*	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-08242010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 001	**Work Order #....:**	L563K1AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	09/01/10	**Volume....:**	414
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

QUALIFIERS

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-08242010

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0H260533 - 002	**Work Order #....:**	L56341AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Instrument ID....:**	4D5
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	427.43
Prep Batch # ....:	0238346	**Dilution Factor....:**	2	**Units.....:**	pg
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	**1.6**	**J**	**20**	**1.0**	**0.0037**
Total TCDD	**3.0**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	ND		100		0
1,2,3,4,6,7,8-HpCDD	**7.2**	**J Q B**	**100**	**0.01**	**0.00017**
Total HpCDD	**13**		**100**		
OCDD	**24**	**J Q B**	**200**	**0.0003**	**0.000017**
2,3,7,8-TCDF	**11**	**Q J**	**20**	**0.1**	**0.0026**
Total TCDF	**57**		**20**		
1,2,3,7,8-PeCDF	**11**	**J**	**100**	**0.03**	**0.00077**
2,3,4,7,8-PeCDF	**6.5**	**J**	**100**	**0.3**	**0.0046**
Total PeCDF	**41**		**100**		
1,2,3,4,7,8-HxCDF	**20**	**J Q**	**100**	**0.1**	**0.0047**
1,2,3,6,7,8-HxCDF	**16**	**J**	**100**	**0.1**	**0.0037**
2,3,4,6,7,8-HxCDF	**2.3**	**J Q**	**100**	**0.1**	**0.00054**
1,2,3,7,8,9-HxCDF	**1.4**	**J Q B**	**100**	**0.1**	**0.00033**
Total HxCDF	**110**		**100**		
1,2,3,4,6,7,8-HpCDF	**62**	**J B**	**100**	**0.01**	**0.0015**
1,2,3,4,7,8,9-HpCDF	**22**	**J B**	**100**	**0.01**	**0.00051**
Total HpCDF	**120**		**100**		
OCDF	**150**	**J**	**200**	**0.0003**	**0.00011**
Total TEQ Concentration					**0.023**

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Northgate Environmental Management, Inc.

Sample ID: DW-08242010

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0H260533 - 002	**Work Order #....:**	L56341AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Instrument ID....:**	4D5
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	427.43
Prep Batch # ....:	0238346	**Dilution Factor....:**	2	**Units.....:**	pg
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	50 - 120
13C-1,2,3,7,8-PeCDD	94	50 - 120
13C-1,2,3,6,7,8-HxCDD	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	84	40 - 120
13C-2,3,7,8-TCDF	102	50 - 120
13C-1,2,3,7,8-PeCDF	107	50 - 120
13C-1,2,3,4,7,8-HxCDF	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	168	*	50 - 120

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-08242010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 002	**Work Order #....:**	L56341AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	427.43
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	**0.0037**	**J**	**0.047**	**0.0028**	**pg/m3**
Total TCDD	**0.0071**		**0.047**	**0.0028**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.23	0.0070	pg/m3
Total PeCDD	ND		0.23	0.0070	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.23	0.0058	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.23	0.0051	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.23	0.0051	pg/m3
Total HxCDD	ND		0.23	0.0066	pg/m3
1,2,3,4,6,7,8-HpCDD	**0.017**	**J Q B**	**0.23**	**0.0049**	**pg/m3**
Total HpCDD	**0.031**		**0.23**	**0.0049**	**pg/m3**
OCDD	**0.056**	**J Q B**	**0.47**	**0.0061**	**pg/m3**
2,3,7,8-TCDF	**0.025**	**Q J**	**0.047**	**0.0023**	**pg/m3**
Total TCDF	**0.13**		**0.047**	**0.0023**	**pg/m3**
1,2,3,7,8-PeCDF	**0.026**	**J**	**0.23**	**0.0051**	**pg/m3**
2,3,4,7,8-PeCDF	**0.015**	**J**	**0.23**	**0.0054**	**pg/m3**
Total PeCDF	**0.096**		**0.23**	**0.0054**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.047**	**J Q**	**0.23**	**0.00054**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.037**	**J**	**0.23**	**0.00051**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0053**	**J Q**	**0.23**	**0.00054**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0033**	**J Q B**	**0.23**	**0.00058**	**pg/m3**
Total HxCDF	**0.25**		**0.23**	**0.00054**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.14**	**J B**	**0.23**	**0.0030**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.050**	**J B**	**0.23**	**0.0037**	**pg/m3**
Total HpCDF	**0.27**		**0.23**	**0.0033**	**pg/m3**
OCDF	**0.34**	**J**	**0.47**	**0.0096**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	50 - 120
13C-1,2,3,7,8-PeCDD	94	50 - 120
13C-1,2,3,6,7,8-HxCDD	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	84	40 - 120
13C-2,3,7,8-TCDF	102	50 - 120
13C-1,2,3,7,8-PeCDF	107	50 - 120
13C-1,2,3,4,7,8-HxCDF	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	168	*	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-08242010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 002	**Work Order #....:**	L56341AA	**Matrix....:**	AA
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	427.43
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

QUALIFIERS

*	Surrogate recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: QAQC-08252010

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0H260533 - 005	**Work Order #....:**	L564F1AA	**Matrix....:**	AIR
Date Sampled....:	08/25/10	**Date Received....:**	08/26/10	**Instrument ID....:**	4D5
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	1
Prep Batch # ....:	0238346	**Dilution Factor....:**	2	**Units.....:**	pg
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	ND		20		0
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	ND		100		0
1,2,3,4,6,7,8-HpCDD	ND		100	0.01	0
Total HpCDD	**3.4**		**100**		
OCDD	**9.6**	**J B**	**200**	**0.0003**	**0.0029**
2,3,7,8-TCDF	ND		20	0.1	0
Total TCDF	ND		20		0
1,2,3,7,8-PeCDF	ND		100	0.03	0
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	ND		100		0
1,2,3,4,7,8-HxCDF	ND		100	0.1	0
1,2,3,6,7,8-HxCDF	ND		100	0.1	0
2,3,4,6,7,8-HxCDF	ND		100	0.1	0
1,2,3,7,8,9-HxCDF	ND		100	0.1	0
Total HxCDF	ND		100		0
1,2,3,4,6,7,8-HpCDF	ND		100	0.01	0
1,2,3,4,7,8,9-HpCDF	ND		100	0.01	0
Total HpCDF	ND		100		0
OCDF	ND		200	0.0003	0
Total TEQ Concentration					**0.0029**

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Northgate Environmental Management, Inc.

Sample ID: QAQC-08252010

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0H260533 - 005	**Work Order #....:**	L564F1AA	**Matrix....:**	AIR
Date Sampled....:	08/25/10	**Date Received....:**	08/26/10	**Instrument ID....:**	4D5
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	1
Prep Batch # ....:	0238346	**Dilution Factor....:**	2	**Units.....:**	pg
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	102	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 120
13C-OCDD	81	40 - 120
13C-2,3,7,8-TCDF	100	50 - 120
13C-1,2,3,7,8-PeCDF	107	50 - 120
13C-1,2,3,4,7,8-HxCDF	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	171	*	50 - 120

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

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.
J	Estimated Result.

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Northgate Environmental Management, Inc.

Sample ID: QAQC-08252010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 005	**Work Order #....:**	L564F1AA	**Matrix....:**	AIR
Date Sampled....:	08/25/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	1
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		20	0.56	pg/m3
Total TCDD	ND		20	1.0	pg/m3
1,2,3,7,8-PeCDD	ND		100	4.1	pg/m3
Total PeCDD	ND		100	4.1	pg/m3
1,2,3,4,7,8-HxCDD	ND		100	2.0	pg/m3
1,2,3,6,7,8-HxCDD	ND		100	1.8	pg/m3
1,2,3,7,8,9-HxCDD	ND		100	1.7	pg/m3
Total HxCDD	ND		100	2.0	pg/m3
1,2,3,4,6,7,8-HpCDD	ND		100	2.6	pg/m3
Total HpCDD	**3.4**		**100**	**2.0**	**pg/m3**
OCDD	**9.6**	**J B**	**200**	**1.2**	**pg/m3**
2,3,7,8-TCDF	ND		20	0.99	pg/m3
Total TCDF	ND		20	0.99	pg/m3
1,2,3,7,8-PeCDF	ND		100	1.2	pg/m3
2,3,4,7,8-PeCDF	ND		100	1.2	pg/m3
Total PeCDF	ND		100	1.2	pg/m3
1,2,3,4,7,8-HxCDF	ND		100	0.58	pg/m3
1,2,3,6,7,8-HxCDF	ND		100	0.54	pg/m3
2,3,4,6,7,8-HxCDF	ND		100	0.29	pg/m3
1,2,3,7,8,9-HxCDF	ND		100	0.56	pg/m3
Total HxCDF	ND		100	0.65	pg/m3
1,2,3,4,6,7,8-HpCDF	ND		100	1.4	pg/m3
1,2,3,4,7,8,9-HpCDF	ND		100	1.8	pg/m3
Total HpCDF	ND		100	1.8	pg/m3
OCDF	ND		200	2.5	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	102	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 120
13C-OCDD	81	40 - 120
13C-2,3,7,8-TCDF	100	50 - 120
13C-1,2,3,7,8-PeCDF	107	50 - 120
13C-1,2,3,4,7,8-HxCDF	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	171	*	50 - 120

Northgate Environmental Management, Inc.

Sample ID: QAQC-08252010

Trace Level Compounds

Lot - Sample #....:	G0H260533 - 005	**Work Order #....:**	L564F1AA	**Matrix....:**	AIR
Date Sampled....:	08/25/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	09/02/10	**Volume....:**	1
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

QUALIFIERS

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

QC DATA ASSOCIATION SUMMARY

G0H260533

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-9		0238346	
002	AA	EPA-2 TO-9		0238346	
005	AIR	EPA-2 TO-9		0238346	
006	AA	EPA-2 TO-13		0238345	
007	AA	EPA-2 TO-13		0238345	
010	AIR	EPA-2 TO-13		0238345	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0H260000 - 346B	**Work Order #....:**	L568A1AA	**Matrix....:**	AIR
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	08/31/10	**Volume....:**	0
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		20	1.8	pg
Total TCDD	ND		20	1.8	pg
1,2,3,7,8-PeCDD	ND		100	4.1	pg
Total PeCDD	ND		100	4.1	pg
1,2,3,4,7,8-HxCDD	ND		100	1.7	pg
1,2,3,6,7,8-HxCDD	ND		100	1.5	pg
1,2,3,7,8,9-HxCDD	**3.1**	**J Q**	**100**	**1.5**	**pg**
Total HxCDD	**5.8**		**100**	**1.5**	**pg**
1,2,3,4,6,7,8-HpCDD	**6.4**	**J**	**100**	**1.6**	**pg**
Total HpCDD	**12**		**100**	**1.6**	**pg**
OCDD	**12**	**J**	**200**	**1.5**	**pg**
2,3,7,8-TCDF	ND		20	1.4	pg
Total TCDF	ND		20	1.4	pg
1,2,3,7,8-PeCDF	ND		100	1.3	pg
2,3,4,7,8-PeCDF	ND		100	1.3	pg
Total PeCDF	ND		100	1.3	pg
1,2,3,4,7,8-HxCDF	ND		100	0.83	pg
1,2,3,6,7,8-HxCDF	ND		100	0.82	pg
2,3,4,6,7,8-HxCDF	ND		100	0.64	pg
1,2,3,7,8,9-HxCDF	**3.9**	**J**	**100**	**0.72**	**pg**
Total HxCDF	**6.6**		**100**	**0.65**	**pg**
1,2,3,4,6,7,8-HpCDF	**3.5**	**J Q**	**100**	**1.5**	**pg**
1,2,3,4,7,8,9-HpCDF	**4.0**	**J**	**100**	**1.8**	**pg**
Total HpCDF	**7.5**		**100**	**1.6**	**pg**
OCDF	ND		200	3.8	pg

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	50 - 120
13C-1,2,3,7,8-PeCDD	80	50 - 120
13C-1,2,3,6,7,8-HxCDD	102	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	84	40 - 120
13C-OCDD	73	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	95	50 - 120
13C-1,2,3,4,7,8-HxCDF	99	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	171	*	50 - 120

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0H260000 - 346B	**Work Order #....:**	L568A1AA	**Matrix....:**	AIR
Date Sampled....:	08/24/10	**Date Received....:**	08/26/10	**Dilution Factor....:**	2
Prep Date....:	08/26/10	**Analysis Date....:**	08/31/10	**Volume....:**	0
Prep Batch # ....:	0238346	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

QUALIFIERS

*	Surrogate recovery is outside stated control limits.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0H260533	**Work Order # ...:**	L568A1AC-LCS	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0H260000 - 346		L568A1AD-LCSD		
Prep Date .....:	08/26/10	**Analysis Date ..:**	09/01/10		
Prep Batch # ...:	0238346				
Dilution Factor :	2				
Analyst ID.....:	Grandfield S. Virginia	**Instrument ID..:**	4D5	**Method.....:**	EPA-2 TO-9
Initial Wgt/Vol:	1 Sample				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	**400**	**394**	**pg**	**99**	**(70 - 130)**		
	400	**412**	**pg**	**103**	**(70 - 130)**	**4.5**	**(0 - 30)**
1,2,3,7,8-PeCDD	**2000**	**2190**	**pg**	**109**	**(70 - 130)**		
	2000	**2210**	**pg**	**111**	**(70 - 130)**	**1.2**	**(0 - 30)**
1,2,3,4,7,8-HxCDD	**2000**	**2130**	**pg**	**106**	**(70 - 130)**		
	2000	**1880**	**pg**	**94**	**(70 - 130)**	**12**	**(0 - 30)**
1,2,3,6,7,8-HxCDD	**2000**	**2140**	**pg**	**107**	**(70 - 130)**		
	2000	**1880**	**pg**	**94**	**(70 - 130)**	**13**	**(0 - 30)**
1,2,3,7,8,9-HxCDD	**2000**	**2090**	**pg**	**104**	**(70 - 130)**		
	2000	**1860**	**pg**	**93**	**(70 - 130)**	**12**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDD	**2000**	**1940**	**pg**	**97**	**(70 - 130)**		
	2000	**1970**	**pg**	**99**	**(70 - 130)**	**1.8**	**(0 - 30)**
OCDD	**4000**	**3910**	**pg**	**98**	**(70 - 130)**		
	4000	**3880**	**pg**	**97**	**(70 - 130)**	**0.83**	**(0 - 30)**
2,3,7,8-TCDF	**400**	**393**	**pg**	**98**	**(70 - 130)**		
	400	**391**	**pg**	**98**	**(70 - 130)**	**0.50**	**(0 - 30)**
1,2,3,7,8-PeCDF	**2000**	**2020**	**pg**	**101**	**(70 - 130)**		
	2000	**1980**	**pg**	**99**	**(70 - 130)**	**2.0**	**(0 - 30)**
2,3,4,7,8-PeCDF	**2000**	**1940**	**pg**	**97**	**(70 - 130)**		
	2000	**1940**	**pg**	**97**	**(70 - 130)**	**0.25**	**(0 - 30)**
1,2,3,4,7,8-HxCDF	**2000**	**2010**	**pg**	**101**	**(70 - 130)**		
	2000	**2040**	**pg**	**102**	**(70 - 130)**	**1.6**	**(0 - 30)**
1,2,3,6,7,8-HxCDF	**2000**	**1920**	**pg**	**96**	**(70 - 130)**		
	2000	**1960**	**pg**	**98**	**(70 - 130)**	**2.0**	**(0 - 30)**
2,3,4,6,7,8-HxCDF	**2000**	**1890**	**pg**	**94**	**(70 - 130)**		
	2000	**1930**	**pg**	**97**	**(70 - 130)**	**2.4**	**(0 - 30)**
1,2,3,7,8,9-HxCDF	**2000**	**1850**	**pg**	**92**	**(70 - 130)**		
	2000	**1840**	**pg**	**92**	**(70 - 130)**	**0.52**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDF	**2000**	**2070**	**pg**	**104**	**(70 - 130)**		
	2000	**2080**	**pg**	**104**	**(70 - 130)**	**0.38**	**(0 - 30)**
1,2,3,4,7,8,9-HpCDF	**2000**	**2090**	**pg**	**104**	**(70 - 130)**		
	2000	**2140**	**pg**	**107**	**(70 - 130)**	**2.6**	**(0 - 30)**
OCDF	**4000**	**4030**	**pg**	**101**	**(70 - 130)**		
	4000	**4070**	**pg**	**102**	**(70 - 130)**	**1.1**	**(0 - 30)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(50 - 120)
	95	(50 - 120)
13C-1,2,3,7,8-PeCDD	87	(50 - 120)
	88	(50 - 120)
13C-1,2,3,6,7,8-HxCDD	92	(50 - 120)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0H260533 **Work Order # ...:** L568A1AC-LCS **Matrix .....:** AIR
LCS Lot-Sample# : G0H260000 - 346 L568A1AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
	108	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 120)
	91	(40 - 120)
13C-OCDD	79	(40 - 120)
	83	(40 - 120)
13C-2,3,7,8-TCDF	94	(50 - 120)
	96	(50 - 120)
13C-1,2,3,7,8-PeCDF	99	(50 - 120)
	104	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	100	(50 - 120)
	103	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 120)
	93	(40 - 120)

Notes:

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

Bold print denotes control parameters

AIR, TO-13, Semivolatile Organics

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

TestAmerica
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West Sacramento

8270C CCV Checklist

Instrument: SV5

ICAL Date: 08/23/10 DFTPP ID: DFT0830

Initiator/Date: KT-08/30/10 Standard ID: HSL0830

Reviewer/Date: 8/31/10 NCM #:

I: 8270C Criteria

	Initiated	Reviewed
Log Book page included.	☒	☑
CCV compared to correct ICAL.	☒	☑
Tune documentation is present and meets criteria.	☒	☑
Manual re-integrations are checked, initialed and hardcopies included.	☒	☑
Retention time correct for Isomers and all other analytes.	☒	☑
CCV Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
Samples analyzed within 12 hours of Tune time.	☒	☑
Tailing and degradation criteria are met.	☒	☑
Spot check manual integrations in Target. Analyte checked: 2,6-Dinitrotoluene	NA	☑
Non-CCC ≤ 50% D	☒	☑

II: 8270C SPCC Check SPCC RRFs must be greater than 0.050

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	☒	☑	2,4-Dinitrophenol	☒	☑
Hexachlorocyclopentadiene	☒	☑	4-Nitrophenol	☒	☑

III: 8270C CCC Check CCC must be ≤ 20%D (If CCC are not targets, all analytes must be <20%D.)

	Initiated	Reviewed		Initiated	Reviewed
Phenol	☒	☑	Acenaphthene	☒	☑
1,4-Dichlorobenzene	☒	☑	N-nitrosodiphenylamine	☒	☑
2-Nitrophenol	☒	☑	Pentachlorophenol	☒	☑
2,4-Dinitrophenol	☒	☑	Flouranthene	☒	☑
Hexachlorobutadiene	☒	☑	Di-n-octyl phthalate	☒	☑
4-Chloro-3-methylphenol	☒	☑	Benzo(a)pyrene	☒	☑
2,4,6-Trichlorophenol	☒	☑			

IV: AFCEE 3.1 and 4.0 QAPP Criteria

	Initiated	Reviewed
All analytes in CCV +/- 20%D compared to ICAL.	☒	☑
CCV and Sample Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
Are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☑

V: DOD QSM V3 Criteria	Initiated	Reviewed
For 8270, CCCs must be ≤ 20% D.	☒	☑
RRFs for SPCCs must meet minimum response factor criteria	☒	☑
CCV and sample Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
SIM: All analytes must be ≤ 20%	☐NA	☑NA
Are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☑

Notes:

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

Method Key (MTH Column)
QL = EPA 8270C (WS-MS-0005)
JZ = EPA TO-13A (WS-MS-0005)
VX = EPA 8270C-SIM (mod) CWM (WS-MS-0003)
QI = EPA 8270C-SIM (WS-MS-0008)
FX = PAH-SIM Isotope Dilution (WS-MS-0006)
F9 = EPA 8270C-SIM (mod) 1,4-Dioxane (WS-MS-0011)

Inst ID : sv5.i
Batch ID : 083010.B
ICAL Date: See Calib Report
See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
30-AUG-2010	16:46	KT	PRIMER	QC001.D	NA	NA	NA		
30-AUG-2010	17:10	KT	DFTPP 50ug/ml	DFT0830.D	NA	NA	NA		
30-AUG-2010	17:31	KT	HSL_050 ug/ml CS-4	HSL0830.D	NA	NA	NA		
30-AUG-2010	18:25	KT	1,2-DCB-D4 10AIR0103 QC	S083001.D	1000 Sa	1 mL	1	JZ	
30-AUG-2010	18:51	KT	L568C1AA G0H260000-345B	S083002.D	1000 Sa	1 mL	1	JZ	
30-AUG-2010	19:17	KT	L568C1AC G0H260000-345C	S083003.D	1000 Sa	1 mL	1	JZ	
30-AUG-2010	19:43	KT	L568C1AD G0H260000-345L	S083004.D	1000 Sa	1 mL	1	JZ	
30-AUG-2010	20:09	KT	L564J1AA G0H260533-6	S083005.D	1000 Sa	1 mL	1	JZ	
30-AUG-2010	20:35	KT	L56481AA G0H260533-7	S083006.D	1000 Sa	1 mL	1	JZ	
30-AUG-2010	21:01	KT	L565M1AA G0H260533-8,10 rg 9/1,	S083007.D	1000 Sa	1 mL	1	JZ	
30-AUG-2010	21:58	KT	L564J1AA G0H260533-6	S083008.D	1000 Sa	1 mL	1	JZ	low surr. conf.
30-AUG-2010	22:24	KT	L56481AA G0H260533-7	S083009.D	1000 Sa	1 mL	1	JZ	

8/31/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 30-AUG-2010 17:31
Lab File ID: HSL0830.D Init. Cal. Date(s): 17-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 18:50
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\083010.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.47923	1.44254	1.44254	0.010	-2.48038	50.00000	Averaged
$ 8 Phenol-d5	1.89473	1.86495	1.86495	0.010	-1.57185	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.59813	1.62525	1.62525	0.010	1.69709	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.99431	0.99843	0.99843	0.010	0.41437	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.35699	0.35345	0.35345	0.010	-0.99142	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.26594	1.28921	1.28921	0.010	1.83787	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15648	0.16629	0.16629	0.010	6.27144	50.00000	Averaged
$ 14 Terphenyl-d14	0.77396	0.80462	0.80462	0.010	3.96190	50.00000	Averaged
15 N-Nitrosodimethylamine	1.01809	0.98420	0.98420	0.010	-3.32899	50.00000	Averaged
16 Pyridine	1.68687	1.63883	1.63883	0.010	-2.84814	50.00000	Averaged
23 Aniline	2.37259	2.37651	2.37651	0.010	0.16520	50.00000	Averaged
24 Phenol	1.99436	1.96700	1.96700	0.010	-1.37203	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.52541	1.48504	1.48504	0.010	-2.64641	50.00000	Averaged
27 2-Chlorophenol	1.58023	1.60810	1.60810	0.010	1.76351	50.00000	Averaged
28 1,3-Dichlorobenzene	1.74334	1.69969	1.69969	0.010	-2.50363	50.00000	Averaged
29 1,4-Dichlorobenzene	1.76599	1.79784	1.79784	0.010	1.80369	20.00000	Averaged
30 Benzyl Alcohol	1.08397	1.05593	1.05593	0.010	-2.58655	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66769	1.64887	1.64887	0.010	-1.12807	50.00000	Averaged
32 2-Methylphenol	1.48902	1.50052	1.50052	0.010	0.77202	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.90571	2.71346	2.71346	0.010	-6.61622	50.00000	Averaged
34 4-Methylphenol	1.58517	1.60204	1.60204	0.010	1.06430	50.00000	Averaged
36 Hexachloroethane	0.62210	0.62048	0.62048	0.010	-0.25978	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.11560	1.08047	1.08047	0.050	-3.14836	50.00000	Averaged
42 Nitrobenzene	0.35575	0.35059	0.35059	0.010	-1.45167	50.00000	Averaged
44 Isophorone	0.67537	0.68226	0.68226	0.010	1.02046	50.00000	Averaged
45 2-Nitrophenol	0.19133	0.19941	0.19941	0.010	4.22121	20.00000	Averaged
46 2,4-Dimethyphenol	0.35866	0.37169	0.37169	0.010	3.63300	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.40130	0.39777	0.39777	0.010	-0.87968	50.00000	Averaged
49 2,4-Dichlorophenol	0.26143	0.26719	0.26719	0.010	2.20414	20.00000	Averaged
50 Benzoic Acid	0.20092	0.20904	0.20904	0.010	4.04143	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.28301	0.28694	0.28694	0.010	1.38776	50.00000	Averaged
52 Naphthalene	1.11324	1.09510	1.09510	0.010	-1.62912	50.00000	Averaged
54 4-Chloroaniline	0.43919	0.43784	0.43784	0.010	-0.30711	50.00000	Averaged
57 Hexachlorobutadiene	0.13411	0.13872	0.13872	0.010	3.43462	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30380	0.30768	0.30768	0.010	1.27551	20.00000	Averaged
63 2-Methylnaphthalene	0.67962	0.68499	0.68499	0.010	0.78986	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.30646	0.30321	0.30321	0.050	-1.06018	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.30154	0.30613	0.30613	0.010	1.52080	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32858	0.34152	0.34152	0.010	3.93971	50.00000	Averaged
71 2-Chloronaphthalene	1.11567	1.12862	1.12862	0.010	1.16111	50.00000	Averaged
73 2-Nitroaniline	0.38116	0.37352	0.37352	0.010	-2.00339	50.00000	Averaged
76 Dimethylphthalate	1.29156	1.29800	1.29800	0.010	0.49908	50.00000	Averaged

Manual calculation for 2,6-Dinitrotoluene:

$\frac{92693}{246748} \times \frac{40}{50} = 0.30053$ RY 8/31/10

RY 8/30/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 30-AUG-2010 17:31
Lab File ID: HSL0830.D Init. Cal. Date(s): 17-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 18:50
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\083010.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.95828	1.98819	1.98819	0.010	1.52761	50.00000	Averaged
79 2,6-Dinitrotoluene	0.28888	0.30053	0.30053	0.010	4.03110	50.00000	Averaged
80 3-Nitroaniline	0.38296	0.38820	0.38820	0.010	1.36801	50.00000	Averaged
81 Acenaphthene	1.24672	1.24187	1.24187	0.010	-0.38870	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	46.54280	0.16110	0.050	-6.91440	0.000e+000	Quadratic
83 Dibenzofuran	1.64538	1.65731	1.65731	0.010	0.72527	50.00000	Averaged
84 4-Nitrophenol	0.17088	0.16248	0.16248	0.050	-4.91695	50.00000	Averaged
86 2,4-Dinitrotoluene	0.38742	0.39146	0.39146	0.010	1.04222	50.00000	Averaged
91 Fluorene	1.34904	1.36351	1.36351	0.010	1.07257	50.00000	Averaged
92 Diethylphthalate	1.35372	1.31488	1.31488	0.010	-2.86927	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.55385	0.55806	0.55806	0.010	0.76073	50.00000	Averaged
94 4-Nitroaniline	0.37837	0.38595	0.38595	0.010	2.00252	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	44.56559	0.12697	0.010	-10.86882	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.62622	0.62267	0.62267	0.010	-0.56583	20.00000	Averaged
100 Azobenzene	0.88363	0.88176	0.88176	0.010	-0.21170	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19190	0.19638	0.19638	0.010	2.33509	50.00000	Averaged
108 Hexachlorobenzene	0.20744	0.20953	0.20953	0.010	1.00752	50.00000	Averaged
110 Pentachlorophenol	0.12850	0.12864	0.12864	0.010	0.11029	20.00000	Averaged
114 Phenanthrene	1.25231	1.23730	1.23730	0.010	-1.19838	50.00000	Averaged
115 Anthracene	1.26014	1.28957	1.28957	0.010	2.33530	50.00000	Averaged
118 Carbazole	1.17754	1.16692	1.16692	0.010	-0.90163	50.00000	Averaged
120 Di-n-Butylphthalate	1.42590	1.40473	1.40473	0.010	-1.48524	50.00000	Averaged
126 Fluoranthene	1.13179	1.13661	1.13661	0.010	0.42619	20.00000	Averaged
127 Benzidine	0.82752	0.81414	0.81414	0.010	-1.61616	50.00000	Averaged
128 Pyrene	1.24186	1.32013	1.32013	0.010	6.30283	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.70995	0.70835	0.70835	0.010	-0.22570	50.00000	Averaged
136 Butylbenzylphthalate	0.64263	0.65959	0.65959	0.010	2.63895	50.00000	Averaged
138 Benzo(a)Anthracene	1.05752	1.05899	1.05899	0.010	0.13838	50.00000	Averaged
139 Chrysene	1.09407	1.10392	1.10392	0.010	0.90049	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.38440	0.39394	0.39394	0.010	2.48250	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.88842	0.90638	0.90638	0.010	2.02223	50.00000	Averaged
142 Di-n-octylphthalate	1.42876	1.42529	1.42529	0.010	-0.24283	20.00000	Averaged
144 Benzo(b)fluoranthene	0.94959	0.94362	0.94362	0.010	-0.62889	50.00000	Averaged
145 Benzo(k)fluoranthene	1.11337	1.14072	1.14072	0.010	2.45655	50.00000	Averaged
147 Benzo(e)pyrene	0.94145	0.94653	0.94653	0.010	0.53968	50.00000	Averaged
148 Benzo(a)pyrene	1.03915	1.06668	1.06668	0.010	2.64985	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.88334	0.78838	0.78838	0.010	-10.74930	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.94269	0.89434	0.89434	0.010	-5.12905	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00655	0.94529	0.94529	0.010	-6.08658	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06296	2.08434	2.08434	0.010	1.03630	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\083010.B\HSL0830.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 30-AUG-2010 17:31
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;2;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\083010.B\8270f.m
Meth Date : 30-Aug-2010 18:11 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	106317	40.0000	
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	463073	40.0000	
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	246748	40.0000	
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	380328	40.0000	
* 5	Chrysene-d12	240	14.101	14.101	(1.000)	359062	40.0000	
* 6	Perylene-d12	264	16.495	16.495	(1.000)	354365	40.0000	
$ 7	2-Fluorophenol	112	2.951	2.951	(0.707)	191708	50.0000	48.76
$ 8	Phenol-d5	99	3.811	3.811	(0.913)	247845	50.0000	49.21
$ 9	2-Chlorophenol-d4	132	3.966	3.966	(0.950)	215990	50.0000	50.85
$ 10	1,2-Dichlorobenzene-d4	152	4.381	4.381	(1.050)	132688	50.0000	50.21
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	204590	50.0000	49.50
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	397637	50.0000	50.92
$ 13	2,4,6-Tribromophenol	330	8.723	8.723	(1.133)	51291	50.0000	53.14
$ 14	Terphenyl-d14	244	12.308	12.308	(0.873)	361137	50.0000	51.98
15	N-Nitrosodimethylamine	74	1.925	1.925	(0.461)	130796	50.0000	48.34
16	Pyridine	79	1.945	1.945	(0.466)	217794	50.0000	48.58
23	Aniline	93	3.873	3.873	(0.928)	315829	50.0000	50.08
24	Phenol	94	3.831	3.831	(0.918)	261407	50.0000	49.31
26	Bis(2-chloroethyl)ether	93	3.925	3.925	(0.940)	197356	50.0000	48.68
27	2-Chlorophenol	128	3.987	3.987	(0.955)	213710	50.0000	50.88
28	1,3-Dichlorobenzene	146	4.132	4.132	(0.990)	225883	50.0000	48.75
29	1,4-Dichlorobenzene	146	4.194	4.194	(1.005)	238926	50.0000	50.90
30	Benzyl Alcohol	108	4.329	4.329	(1.037)	140329	50.0000	48.71
31	1,2-Dichlorobenzene	146	4.391	4.391	(1.052)	219129	50.0000	49.44
32	2-Methylphenol	108	4.464	4.464	(1.070)	199413	50.0000	50.39
33	2,2'-oxybis(1-Chloropropane)	45	4.505	4.505	(1.079)	360609	50.0000	46.69
34	4-Methylphenol	108	4.619	4.619	(1.107)	212905	50.0000	50.53
36	Hexachloroethane	117	4.723	4.723	(1.132)	82460	50.0000	49.87
37	N-Nitrosodinpropylamine	70	4.661	4.661	(1.117)	143591	50.0000	48.42
42	Nitrobenzene	77	4.816	4.816	(0.861)	202934	50.0000	49.27
44	Isophorone	82	5.075	5.075	(0.907)	394921	50.0000	50.51
45	2-Nitrophenol	139	5.179	5.179	(0.926)	115424	50.0000	52.11
46	2,4-Dimethyphenol	107	5.220	5.220	(0.933)	215148	50.0000	51.82

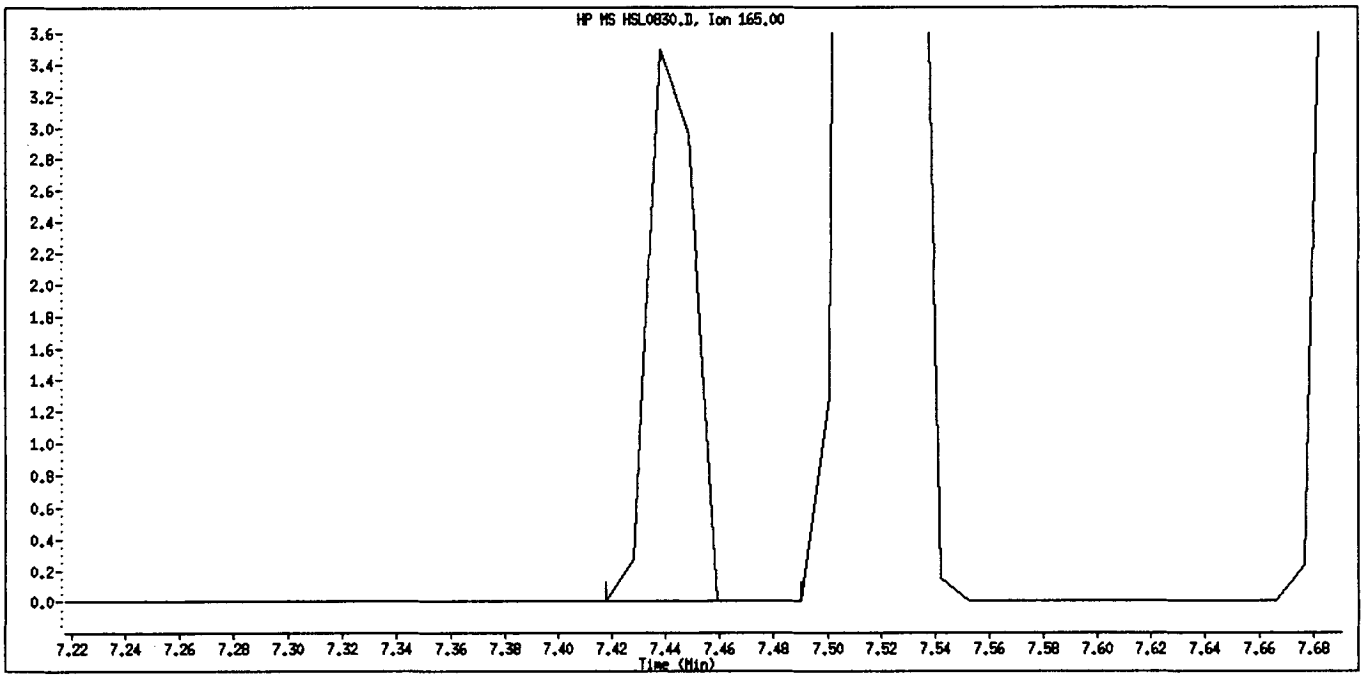
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.344	5.344	(0.956)	230248	50.0000	49.56
49	2,4-Dichlorophenol	162	5.438	5.438	(0.972)	154660	50.0000	51.10
50	Benzoic Acid	122	5.313	5.313	(0.950)	121002	50.0000	52.02
51	1,2,4-Trichlorobenzene	180	5.541	5.541	(0.991)	166092	50.0000	50.69
52	Naphthalene	128	5.614	5.614	(1.004)	633889	50.0000	49.18
54	4-Chloroaniline	127	5.707	5.707	(1.020)	253441	50.0000	49.85
57	Hexachlorobutadiene	225	5.832	5.832	(1.043)	80296	50.0000	51.72
60	4-Chloro-3-Methylphenol	107	6.277	6.277	(1.122)	178097	50.0000	50.64
63	2-Methylnaphthalene	142	6.422	6.422	(1.148)	396500	50.0000	50.39
66	Hexachlorocyclopentadiene	237	6.702	6.702	(0.871)	93522	50.0000	49.47
69	2,4,6-Trichlorophenol	196	6.795	6.795	(0.883)	94420	50.0000	50.76
70	2,4,5-Trichlorphenol	196	6.837	6.837	(0.888)	105337	50.0000	51.97
71	2-Chloronaphthalene	162	7.003	7.003	(0.910)	348107	50.0000	50.58
73	2-Nitroaniline	65	7.168	7.168	(0.931)	115208	50.0000	49.00
76	Dimethylphthalate	163	7.438	7.438	(0.966)	400350	50.0000	50.25
77	Acenaphthylene	152	7.510	7.510	(0.976)	613228	50.0000	50.76
79	2,6-Dinitrotoluene	165	7.521	7.521	(0.977)	92693	50.0000	52.02(M)
80	3-Nitroaniline	138	7.676	7.676	(0.997)	119734	50.0000	50.68
81	Acenaphthene	153	7.738	7.738	(1.005)	383037	50.0000	49.80
82	2,4-Dinitrophenol	184	7.801	7.801	(1.013)	49689	50.0000	46.54
83	Dibenzofuran	168	7.935	7.935	(1.031)	511173	50.0000	50.36
84	4-Nitrophenol	109	7.883	7.883	(1.024)	50113	50.0000	47.54
86	2,4-Dinitrotoluene	165	7.997	7.997	(1.039)	120740	50.0000	50.52
91	Fluorene	166	8.381	8.381	(1.089)	420553	50.0000	50.54
92	Diethylphthalate	149	8.329	8.329	(1.082)	405555	50.0000	48.56
93	4-Chlorophenyl-phenylether	204	8.391	8.391	(1.090)	172125	50.0000	50.38
94	4-Nitroaniline	138	8.453	8.453	(1.098)	119040	50.0000	51.00
97	4,6-Dinitro-2-methylphenol	198	8.516	8.516	(0.880)	60361	50.0000	44.56
98	N-Nitrosodiphenylamine	169	8.557	8.557	(0.884)	346941	58.6000	58.27
100	Azobenzene	77	8.598	8.598	(0.889)	419199	50.0000	49.89
101	4-Bromophenyl-phenylether	248	9.054	9.054	(0.936)	93361	50.0000	51.17
108	Hexachlorobenzene	284	9.241	9.241	(0.955)	99614	50.0000	50.50
110	Pentachlorophenol	266	9.500	9.500	(0.982)	61157	50.0000	50.06
114	Phenanthrene	178	9.707	9.707	(1.003)	588225	50.0000	49.40
115	Anthracene	178	9.780	9.780	(1.011)	613074	50.0000	51.17
118	Carbazole	167	10.039	10.039	(1.037)	554765	50.0000	49.55
120	Di-n-Butylphthalate	149	10.733	10.733	(1.109)	667821	50.0000	49.26
126	Fluoranthene	202	11.604	11.604	(1.199)	540356	50.0000	50.21
127	Benzidine	184	11.863	11.863	(0.841)	365410	50.0000	49.19
128	Pyrene	202	11.966	11.966	(0.849)	592510	50.0000	53.15
134	3,3'-dimethylbenzidine	212	13.169	13.169	(0.934)	317925	50.0000	49.89
136	Butylbenzylphthalate	149	13.283	13.283	(0.942)	296043	50.0000	51.32
138	Benzo(a)Anthracene	228	14.070	14.070	(0.998)	475303	50.0000	50.07
139	Chrysene	228	14.143	14.143	(1.003)	495469	50.0000	50.45
140	3,3'-Dichlorobenzidine	252	14.101	14.101	(1.000)	176813	50.0000	51.24
141	bis(2-ethylhexyl)Phthalate	149	14.402	14.402	(1.021)	406810	50.0000	51.01
142	Di-n-octylphthalate	149	15.459	15.459	(1.096)	639709	50.0000	49.88
144	Benzo(b)fluoranthene	252	15.904	15.904	(0.964)	417982	50.0000	49.68
145	Benzo(k)fluoranthene	252	15.946	15.946	(0.967)	505289	50.0000	51.23
147	Benzo(e)pyrene	252	16.329	16.329	(0.990)	419273	50.0000	50.27
148	Benzo(a)pyrene	252	16.402	16.402	(0.994)	472493	50.0000	51.32
151	Indeno(1,2,3-cd)pyrene	276	18.226	18.226	(1.105)	349220	50.0000	44.62
152	Dibenzo(a,h)anthracene	278	18.278	18.278	(1.108)	396152	50.0000	47.44
153	Benzo(g,h,i)perylene	276	18.702	18.702	(1.134)	418721	50.0000	46.96

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				923271	50.0000	

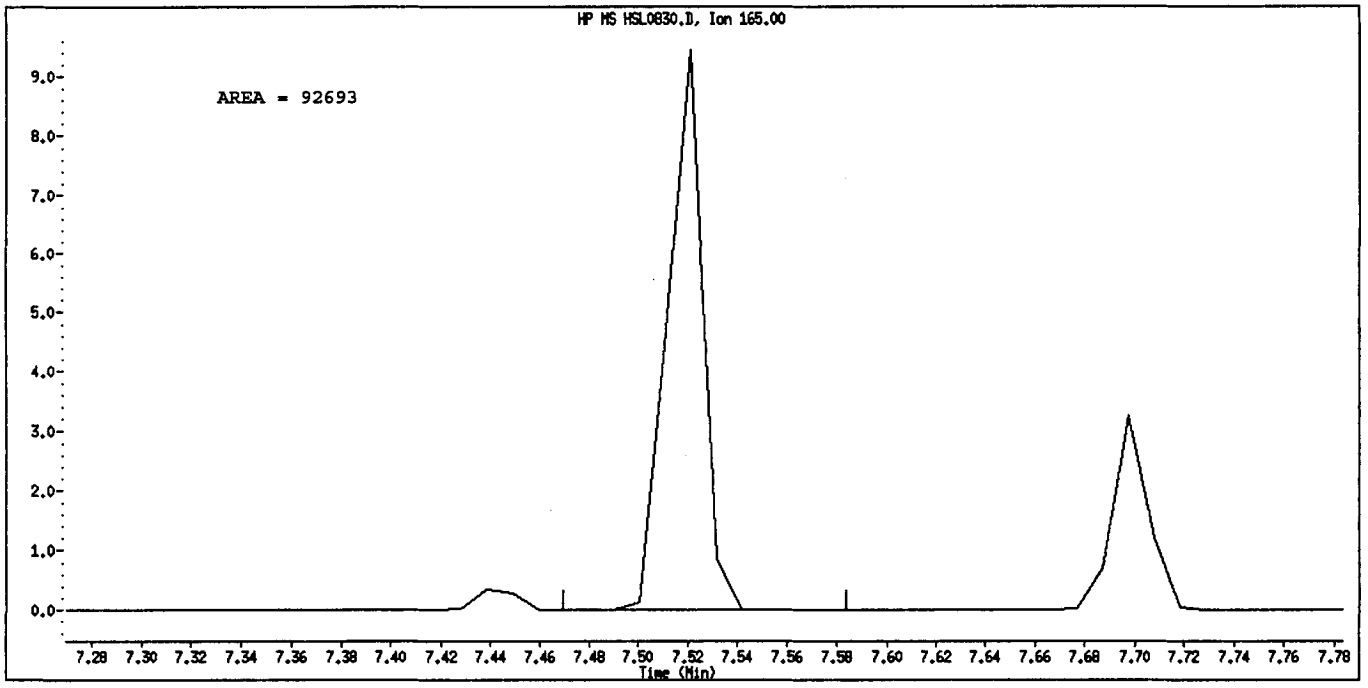
QC Flag Legend

M - Compound response manually integrated.

Data File Name: HSL0830.D
Inj. Date and Time: 30-AUG-2010 17:31
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 08/30/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\083010.B\HSL0830.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 30-AUG-2010 17:31
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;2;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\083010.B\8270f.m
Meth Date : 30-Aug-2010 18:01 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	106317	40.0000	
*	2 Naphthalene-d8	136	5.593	5.593	(1.000)	463073	40.0000	
*	3 Acenaphthene-d10	164	7.697	7.697	(1.000)	246748	40.0000	
*	4 Phenanthrene-d10	188	9.676	9.676	(1.000)	380328	40.0000	
*	5 Chrysene-d12	240	14.101	14.101	(1.000)	359062	40.0000	
*	6 Perylene-d12	264	16.495	16.495	(1.000)	354365	40.0000	
$	7 2-Fluorophenol	112	2.951	2.951	(0.707)	191708	50.0000	48.76
$	8 Phenol-d5	99	3.811	3.811	(0.913)	247845	50.0000	49.21
$	9 2-Chlorophenol-d4	132	3.966	3.966	(0.950)	215990	50.0000	50.85
$	10 1,2-Dichlorobenzene-d4	152	4.381	4.381	(1.050)	132688	50.0000	50.21
$	11 Nitrobenzene-d5	82	4.795	4.795	(0.857)	204590	50.0000	49.50
$	12 2-Fluorobiphenyl	172	6.899	6.899	(0.896)	397637	50.0000	50.92
$	13 2,4,6-Tribromophenol	330	8.723	8.723	(1.133)	51291	50.0000	53.14
$	14 Terphenyl-d14	244	12.308	12.308	(0.873)	361137	50.0000	51.98
	15 N-Nitrosodimethylamine	74	1.925	1.925	(0.461)	130796	50.0000	48.34
	16 Pyridine	79	1.945	1.945	(0.466)	217794	50.0000	48.58
	23 Aniline	93	3.873	3.873	(0.928)	315829	50.0000	50.08
	24 Phenol	94	3.831	3.831	(0.918)	261407	50.0000	49.31
	26 Bis(2-chloroethyl)ether	93	3.925	3.925	(0.940)	197356	50.0000	48.68
	27 2-Chlorophenol	128	3.987	3.987	(0.955)	213710	50.0000	50.88
	28 1,3-Dichlorobenzene	146	4.132	4.132	(0.990)	225883	50.0000	48.75
	29 1,4-Dichlorobenzene	146	4.194	4.194	(1.005)	238926	50.0000	50.90
	30 Benzyl Alcohol	108	4.329	4.329	(1.037)	140329	50.0000	48.71
	31 1,2-Dichlorobenzene	146	4.391	4.391	(1.052)	219129	50.0000	49.44
	32 2-Methylphenol	108	4.464	4.464	(1.070)	199413	50.0000	50.39
	33 2,2'-oxybis(1-Chloropropane)	45	4.505	4.505	(1.079)	360609	50.0000	46.69
	34 4-Methylphenol	108	4.619	4.619	(1.107)	212905	50.0000	50.53
	36 Hexachloroethane	117	4.723	4.723	(1.132)	82460	50.0000	49.87
	37 N-Nitrosodinpropylamine	70	4.661	4.661	(1.117)	143591	50.0000	48.42
	42 Nitrobenzene	77	4.816	4.816	(0.861)	202934	50.0000	49.27
	44 Isophorone	82	5.075	5.075	(0.907)	394921	50.0000	50.51
	45 2-Nitrophenol	139	5.179	5.179	(0.926)	115424	50.0000	52.11
	46 2,4-Dimethyphenol	107	5.220	5.220	(0.933)	215148	50.0000	51.82

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.344	5.344	(0.956)	230248	50.0000	49.56
49 2,4-Dichlorophenol	162	5.438	5.438	(0.972)	154660	50.0000	51.10
50 Benzoic Acid	122	5.313	5.313	(0.950)	121002	50.0000	52.02
51 1,2,4-Trichlorobenzene	180	5.541	5.541	(0.991)	166092	50.0000	50.69
52 Naphthalene	128	5.614	5.614	(1.004)	633889	50.0000	49.18
54 4-Chloroaniline	127	5.707	5.707	(1.020)	253441	50.0000	49.85
57 Hexachlorobutadiene	225	5.832	5.832	(1.043)	80296	50.0000	51.72
60 4-Chloro-3-Methylphenol	107	6.277	6.277	(1.122)	178097	50.0000	50.64
63 2-Methylnaphthalene	142	6.422	6.422	(1.148)	396500	50.0000	50.39
66 Hexachlorocyclopentadiene	237	6.702	6.702	(0.871)	93522	50.0000	49.47
69 2,4,6-Trichlorophenol	196	6.795	6.795	(0.883)	94420	50.0000	50.76
70 2,4,5-Trichlorphenol	196	6.837	6.837	(0.888)	105337	50.0000	51.97
71 2-Chloronaphthalene	162	7.003	7.003	(0.910)	348107	50.0000	50.58
73 2-Nitroaniline	65	7.168	7.168	(0.931)	115208	50.0000	49.00
76 Dimethylphthalate	163	7.438	7.438	(0.966)	400350	50.0000	50.25
77 Acenaphthylene	152	7.510	7.510	(0.976)	613228	50.0000	50.76
79 2,6-Dinitrotoluene	165	7.438	7.438	(0.966)	4178	50.0000	2.344
80 3-Nitroaniline	138	7.676	7.676	(0.997)	119734	50.0000	50.68
81 Acenaphthene	153	7.738	7.738	(1.005)	383037	50.0000	49.80
82 2,4-Dinitrophenol	184	7.801	7.801	(1.013)	49689	50.0000	46.54
83 Dibenzofuran	168	7.935	7.935	(1.031)	511173	50.0000	50.36
84 4-Nitrophenol	109	7.883	7.883	(1.024)	50113	50.0000	47.54
86 2,4-Dinitrotoluene	165	7.997	7.997	(1.039)	120740	50.0000	50.52
91 Fluorene	166	8.381	8.381	(1.089)	420553	50.0000	50.54
92 Diethylphthalate	149	8.329	8.329	(1.082)	405555	50.0000	48.56
93 4-Chlorophenyl-phenylether	204	8.391	8.391	(1.090)	172125	50.0000	50.38
94 4-Nitroaniline	138	8.453	8.453	(1.098)	119040	50.0000	51.00
97 4,6-Dinitro-2-methylphenol	198	8.516	8.516	(0.880)	60361	50.0000	44.56
98 N-Nitrosodiphenylamine	169	8.557	8.557	(0.884)	346941	58.6000	58.27
100 Azobenzene	77	8.598	8.598	(0.889)	419199	50.0000	49.89
101 4-Bromophenyl-phenylether	248	9.054	9.054	(0.936)	93361	50.0000	51.17
108 Hexachlorobenzene	284	9.241	9.241	(0.955)	99614	50.0000	50.50
110 Pentachlorophenol	266	9.500	9.500	(0.982)	61157	50.0000	50.06
114 Phenanthrene	178	9.707	9.707	(1.003)	588225	50.0000	49.40
115 Anthracene	178	9.780	9.780	(1.011)	613074	50.0000	51.17
118 Carbazole	167	10.039	10.039	(1.037)	554765	50.0000	49.55
120 Di-n-Butylphthalate	149	10.733	10.733	(1.109)	667821	50.0000	49.26
126 Fluoranthene	202	11.604	11.604	(1.199)	540356	50.0000	50.21
127 Benzidine	184	11.863	11.863	(0.841)	365410	50.0000	49.19
128 Pyrene	202	11.966	11.966	(0.849)	592510	50.0000	53.15
134 3,3'-dimethylbenzidine	212	13.169	13.169	(0.934)	317925	50.0000	49.89
136 Butylbenzylphthalate	149	13.283	13.283	(0.942)	296043	50.0000	51.32
138 Benzo(a)Anthracene	228	14.070	14.070	(0.998)	475303	50.0000	50.07
139 Chrysene	228	14.143	14.143	(1.003)	495469	50.0000	50.45
140 3,3'-Dichlorobenzidine	252	14.101	14.101	(1.000)	176813	50.0000	51.24
141 bis(2-ethylhexyl)Phthalate	149	14.402	14.402	(1.021)	406810	50.0000	51.01
142 Di-n-octylphthalate	149	15.459	15.459	(1.096)	639709	50.0000	49.88
144 Benzo(b)fluoranthene	252	15.904	15.904	(0.964)	417982	50.0000	49.68
145 Benzo(k)fluoranthene	252	15.946	15.946	(0.967)	505289	50.0000	51.23
147 Benzo(e)pyrene	252	16.329	16.329	(0.990)	419273	50.0000	50.27
148 Benzo(a)pyrene	252	16.402	16.402	(0.994)	472493	50.0000	51.32
151 Indeno(1,2,3-cd)pyrene	276	18.226	18.226	(1.105)	349220	50.0000	44.62
152 Dibenzo(a,h)anthracene	278	18.278	18.278	(1.108)	396152	50.0000	47.44
153 Benzo(g,h,i)perylene	276	18.702	18.702	(1.134)	418721	50.0000	46.96

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				923271	50.0000	50.52(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0830.D
Lab Smp Id: HSL_050 ug/ml CS-4
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\083010.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 27-AUG-2010
Calibration Time: 12:59
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	106317	-5.41
2 Naphthalene-d8	494728	247364	989456	463073	-6.40
3 Acenaphthene-d10	264752	132376	529504	246748	-6.80
4 Phenanthrene-d10	415811	207906	831622	380328	-8.53
5 Chrysene-d12	431516	215758	863032	359062	-16.79
6 Perylene-d12	416460	208230	832920	354365	-14.91

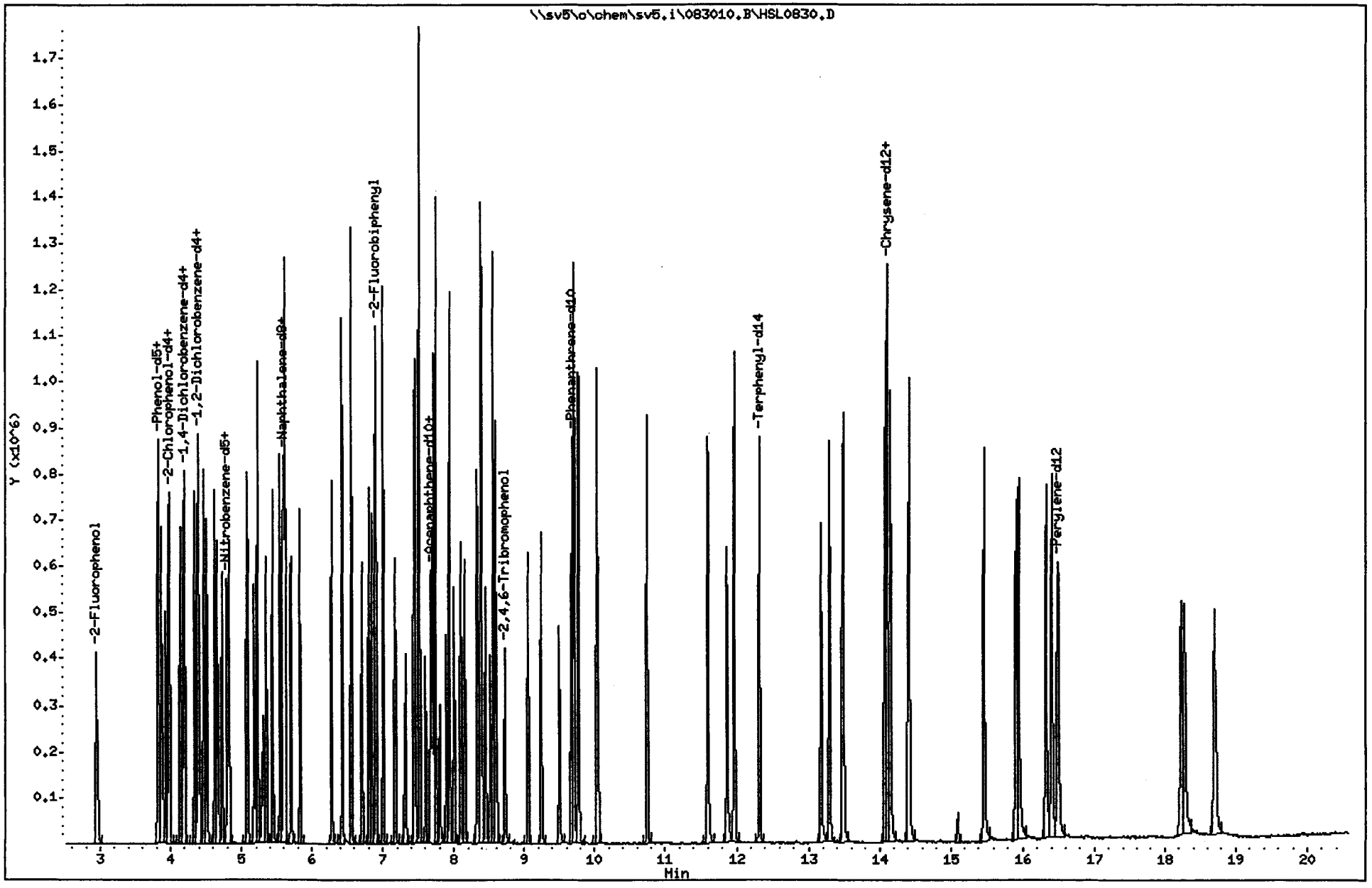
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.17	3.67	4.67	4.17	0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	0.00
3 Acenaphthene-d10	7.70	7.20	8.20	7.70	0.00
4 Phenanthrene-d10	9.68	9.18	10.18	9.68	0.00
5 Chrysene-d12	14.10	13.60	14.60	14.10	0.00
6 Perylene-d12	16.50	16.00	17.00	16.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\c\chem\sv5.i\083010.B\HSL0830.D
Date : 30-AUG-2010 17:31
Client ID: 8270F.H
Sample Info: HSL_050 ug/ml CS-4;2;;4;;;;4

Instrument: sv5.i
Operator: KT
Column diameter: 2.00

Column phase:



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.9310471	5.000	PASS
Benzidine	0.7126958	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	207141	10.6	20.5	PASS

****
*** PASSED ***
****

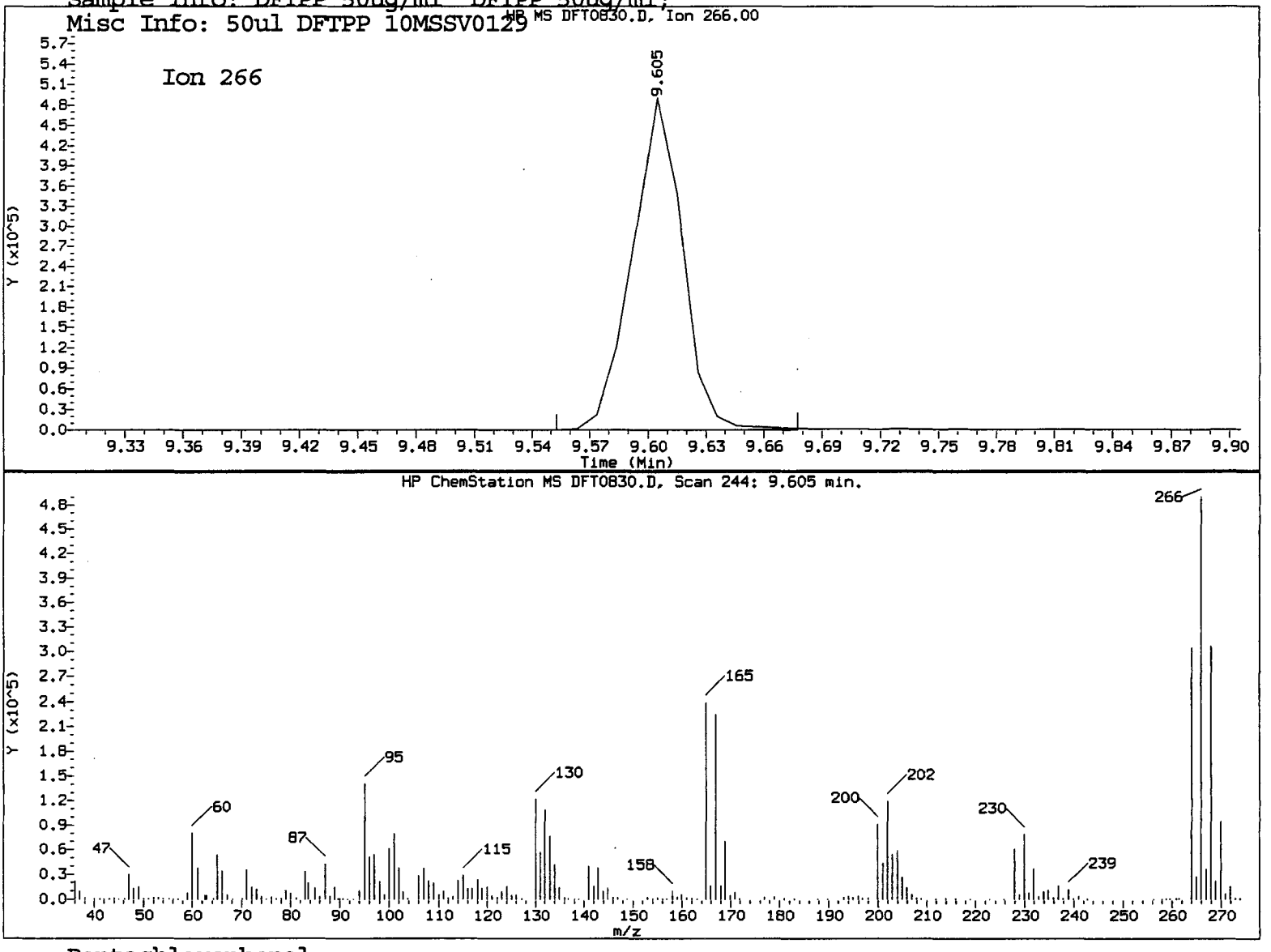
Sample //sv5/c/chem/sv5.i/083010.B/DFT0830.D/DFT0830.D

8/30/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 08/30/2010 18:00

Datafile Analyzed: //sv5/c/chem/sv5.i/083010.B/DFT0830.D/DFT0830.D
Method Used: \\sv5\c\chem\sv5.i\083010.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 30-AUG-2010 17:10 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Pentachlorophenol
==========
Exp. RT = 9.771
Found RT = 9.605

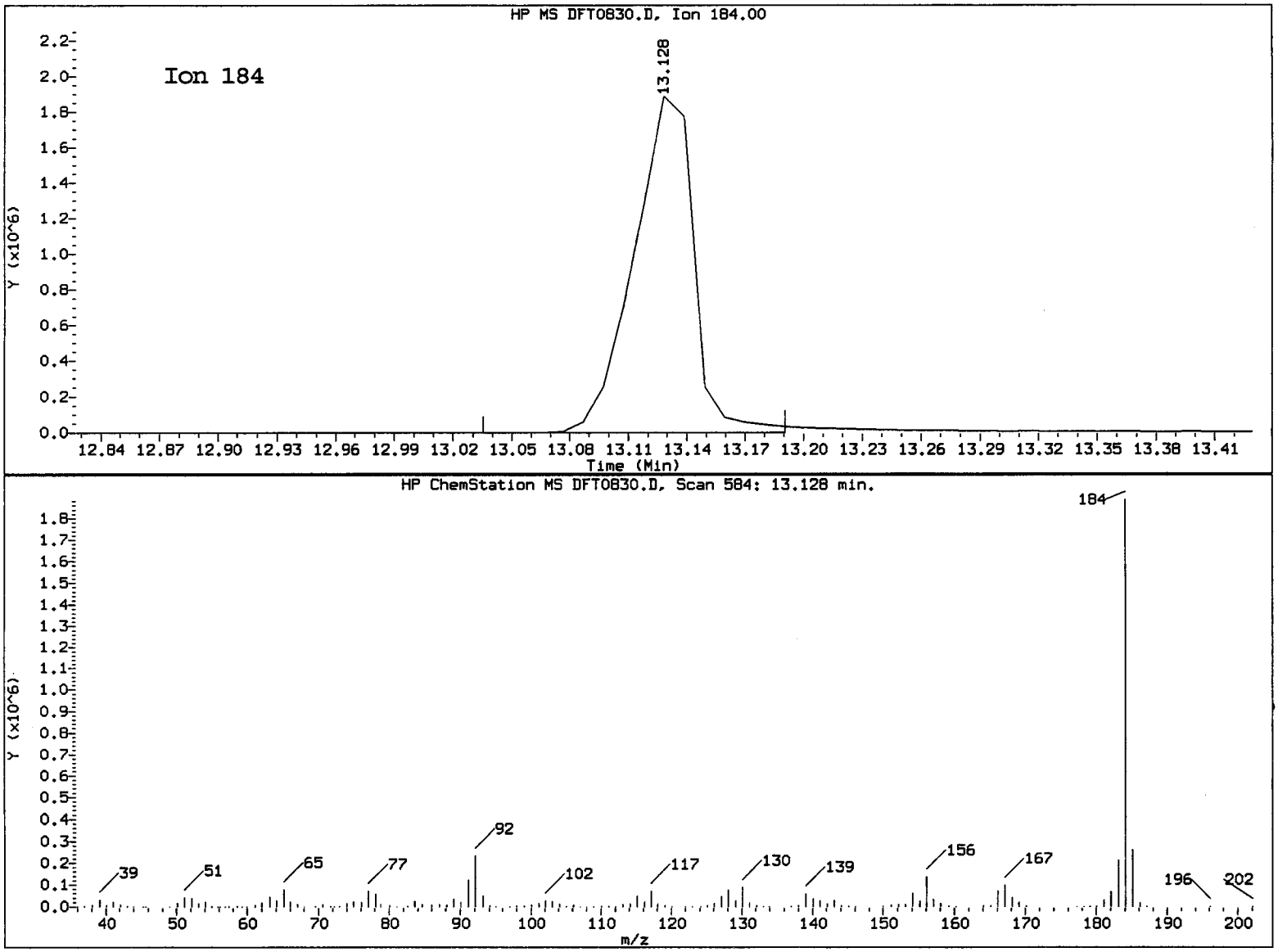
Time1 = 9.576673 Time2 = 9.604983 Time3 = 9.631342
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.931 Maximum Allowed = 5.0

Report Date: 08/30/2010 18:00

Datafile Analyzed: //sv5/c/chem/sv5.i/083010.B/DFT0830.D/DFT0830.D
Method Used: \\sv5\c\chem\sv5.i\083010.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 30-AUG-2010 17:10 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
 Exp. RT = 13.315
Found RT = 13.128

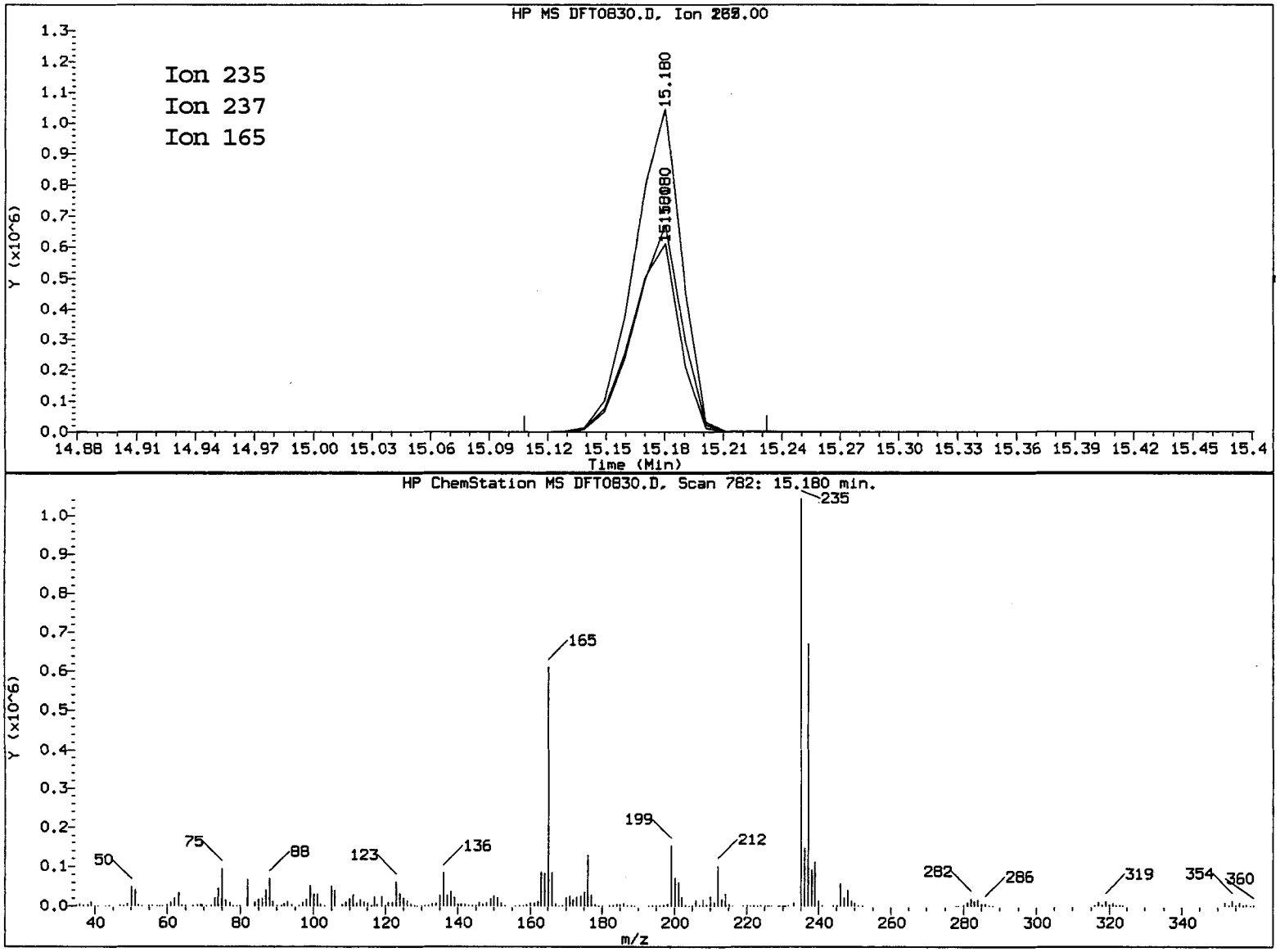
Time1 = 13.09374 Time2 = 13.12842 Time3 = 13.15313
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.713 Maximum Allowed = 3.0

Report Date: 08/30/2010 18:00

Datafile Analyzed: //sv5/c/chem/sv5.i/083010.B/DFT0830.D/DFT0830.D
Method Used: \\sv5\c\chem\sv5.i\083010.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 30-AUG-2010 17:10 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

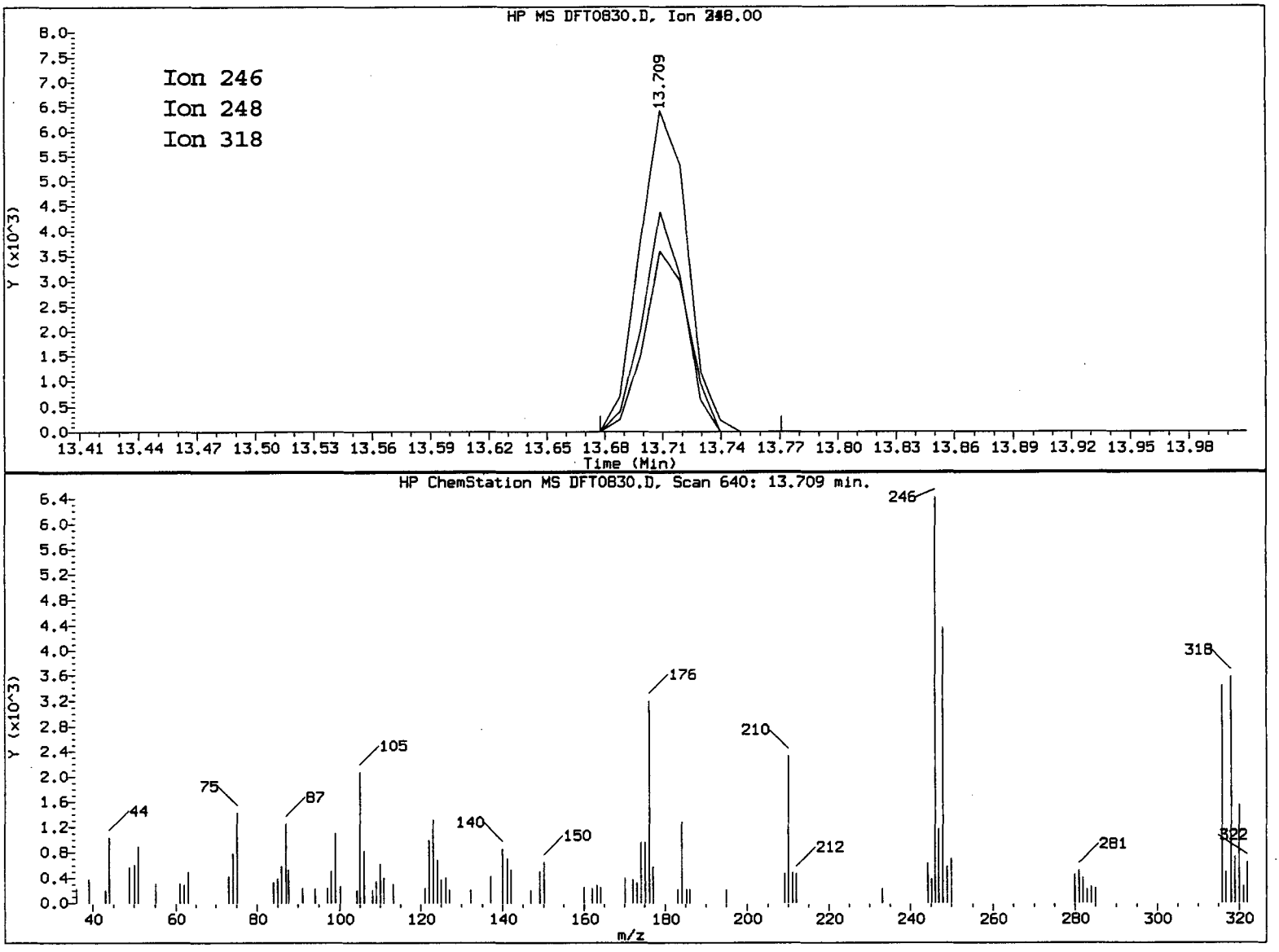


4,4'-DDT
========
Exp. RT = 15.180
Found RT = 15.180

Mass	Area	Ratio
235	1754152	100.00
237	1114960	63.56
165	1043349	59.48

Report Date: 08/30/2010 18:00

Datafile Analyzed: //sv5/c/chem/sv5.i/083010.B/DFT0830.D/DFT0830.D
Method Used: \\sv5\c\chem\sv5.i\083010.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 30-AUG-2010 17:10 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

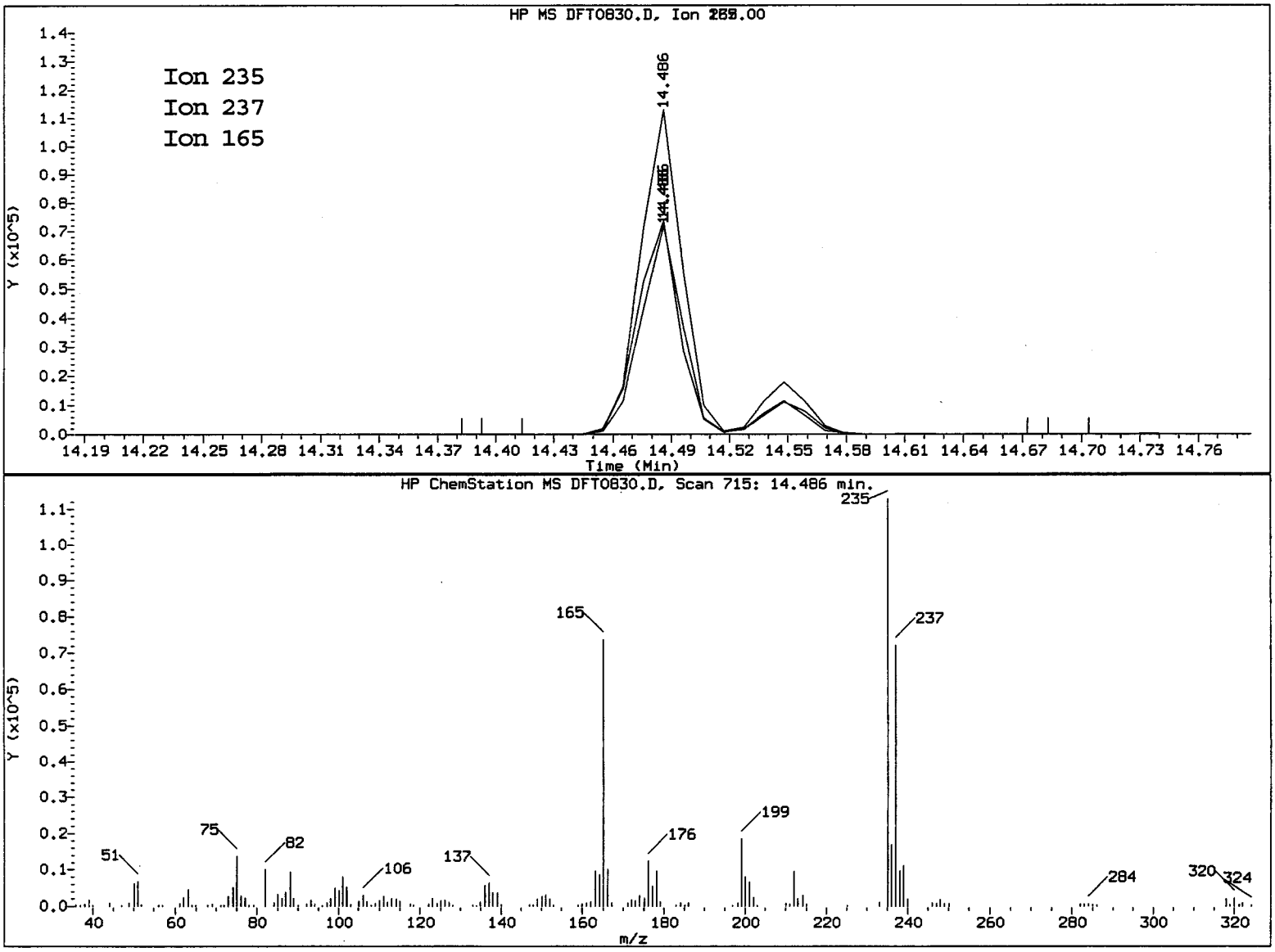


4,4'-DDE
========
Exp. RT = 13.719
Found RT = 13.709

Mass	Area	Ratio
246	10928	100.00
248	2477	22.67
318	0	0.00

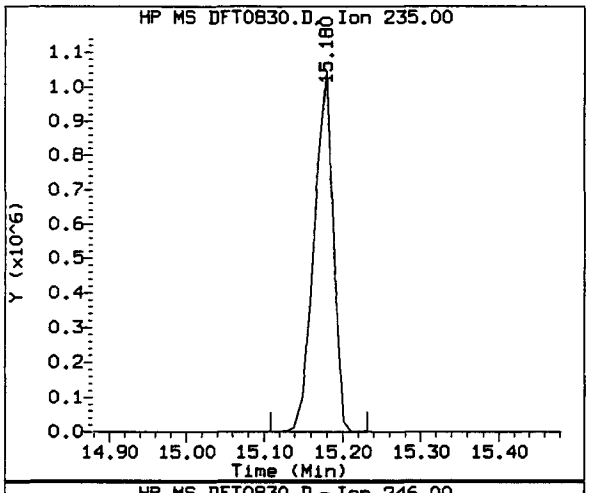
Report Date: 08/30/2010 18:00

Datafile Analyzed: //sv5/c/chem/sv5.i/083010.B/DFT0830.D/DFT0830.D
Method Used: \\sv5\c\chem\sv5.i\083010.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 30-AUG-2010 17:10 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

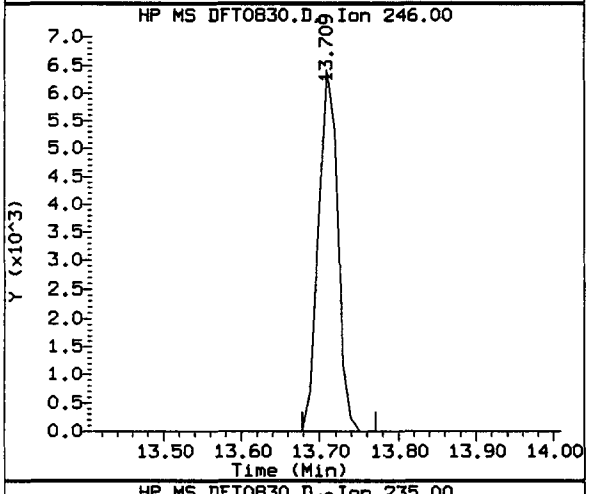


4,4'-DDD
========
 Exp. RT = 14.652
Found RT = 14.486

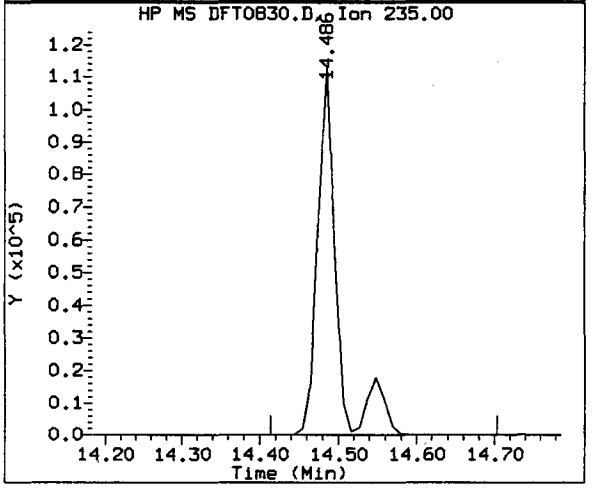
Mass	Area	Ratio
235	196213	100.00
237	125108	63.76
165	128838	65.66



Compound: 4,4'-DDT
Quant Mass: 235
RT: 15.180
Area: 1754152



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.709
Area: 10928



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.486
Area: 196213

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	207141	10.6	20.5	PASS

TestAmerica West Sacramento

Data file : \\sv5\c\chem\sv5.i\083010.B\DFT0830.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 30-AUG-2010 17:10
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\sv5\c\chem\sv5.i\083010.B\DFTPP.m
Meth Date : 17-Aug-2010 14:10 scotts Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SACP307UM

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
11.045	11.201	(0.000)	198	592640			0.00- 100.00	100.00
11.045	11.201	(0.000)	51	313280			30.00- 80.00	52.86
11.045	11.201	(0.000)	68	4478			0.00- 2.00	1.67
11.045	11.201	(0.000)	69	268864			0.00- 0.00	45.37
11.045	11.201	(0.000)	70	1380			0.00- 2.00	0.51
11.045	11.201	(0.000)	127	342080			25.00- 75.00	57.72
11.045	11.201	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
11.045	11.201	(0.000)	199	38584			5.00- 9.00	6.51
11.045	11.201	(0.000)	275	127800			10.00- 30.00	21.56
11.045	11.201	(0.000)	365	14959			0.75- 0.00	2.52
11.045	11.201	(0.000)	441	69848			0.01- 99.99	71.75
11.045	11.201	(0.000)	442	476096			40.00- 110.00	80.33
11.045	11.201	(0.000)	443	97352			15.00- 24.00	20.45

Data File: \\sv5\c\chem\sv5.i\083010.B\DFT0830.D

Date : 30-AUG-2010 17:10

Client ID:

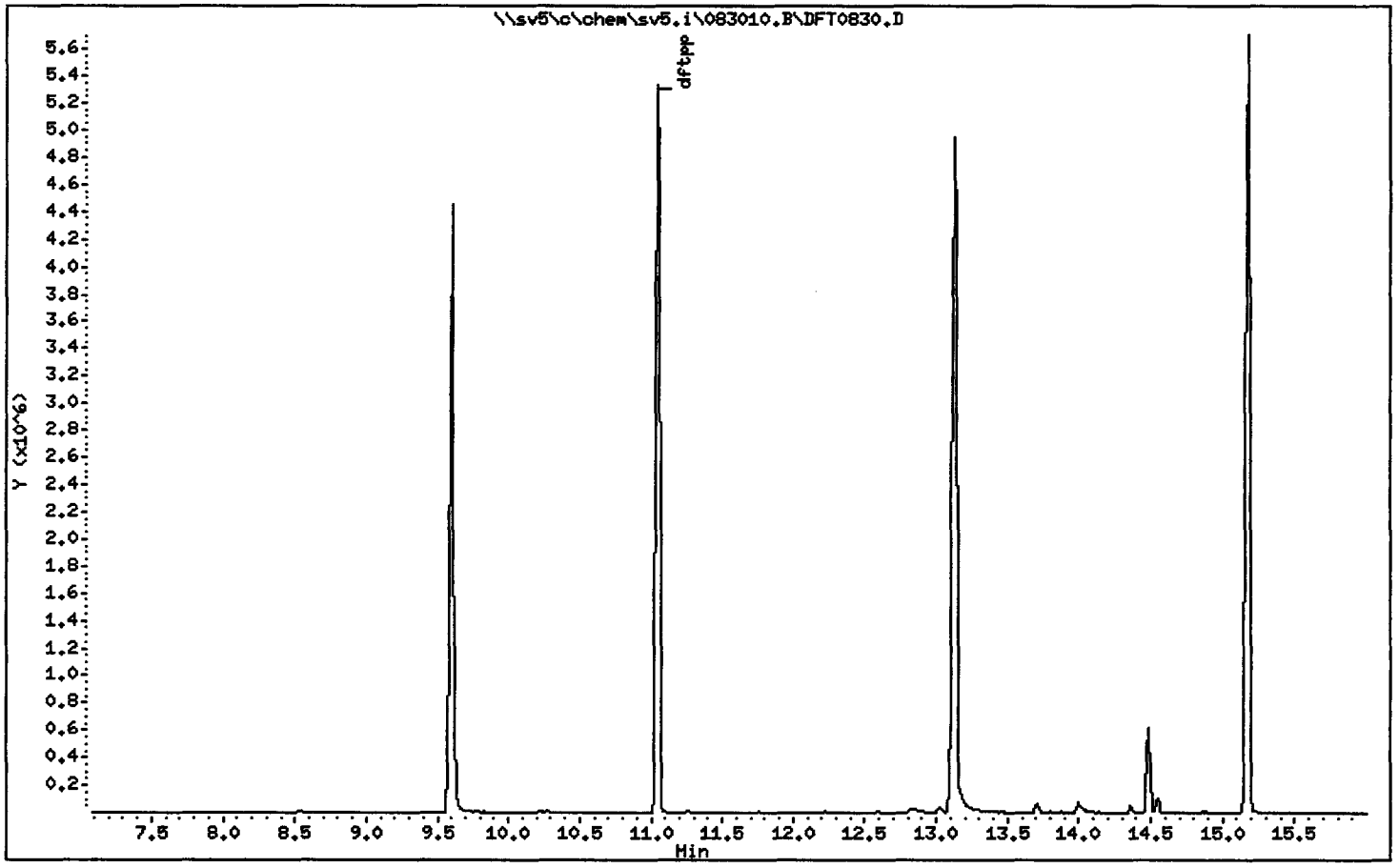
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\sv5\c\chem\sv5.i\083010.B\DFT0830.D

Date : 30-AUG-2010 17:10

Client ID:

Instrument: sv5.i

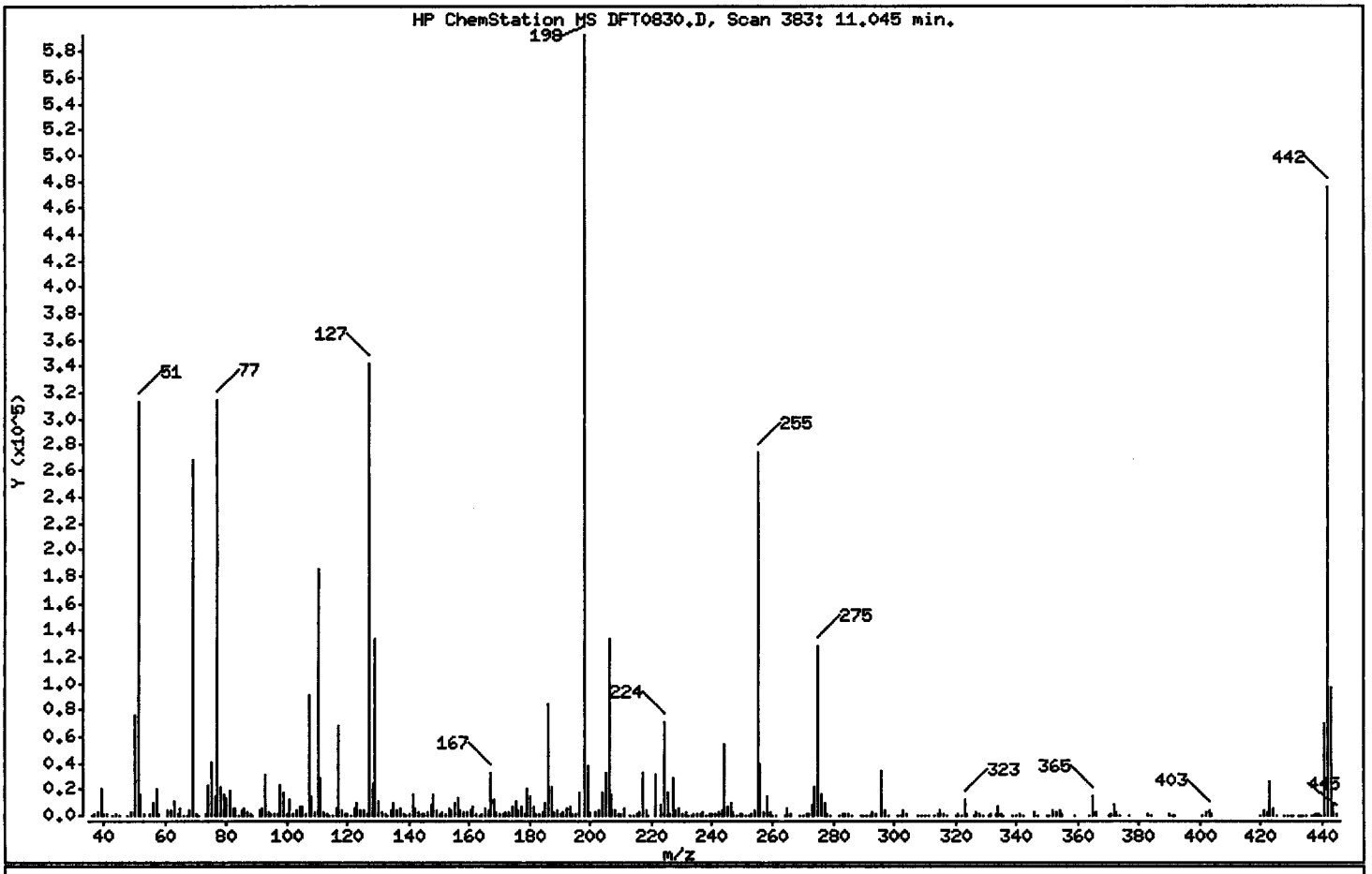
Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	52.86
68	Less than 2.00% of mass 69	0.76 (1.67)
69	Mass 69 relative abundance	45.37
70	Less than 2.00% of mass 69	0.23 (0.51)
127	25.00 - 75.00% of mass 198	57.72
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.51
275	10.00 - 30.00% of mass 198	21.56
365	Greater than 0.75% of mass 198	2.52
441	Present, but less than mass 443	11.79
442	40.00 - 110.00% of mass 198	80.33
443	15.00 - 24.00% of mass 442	16.43 (20.45)

Data File: \\sv5\c\chem\sv5.i\083010.B\DFT0830.D

Date : 30-AUG-2010 17:10

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT0830.D
Spectrum: HP ChemStation MS DFT0830.D, Scan 383: 11.045 min.
Location of Maximum: 198.00
Number of points: 326

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	261	126.10	1949	210.10	1726	309.00	419
37.10	1002	127.00	342080	211.10	5268	309.90	303
38.10	3247	128.10	24784	213.10	372	311.10	222
39.10	20904	129.00	133888	214.00	329	312.90	374
40.10	971	130.00	10421	215.00	1381	314.10	1917
41.10	730	131.00	2266	216.10	3146	315.00	4299
43.00	345	132.10	1069	217.00	32520	316.00	1902
44.00	784	133.10	332	218.00	4362	317.10	388
45.10	676	134.10	3820	219.00	255	320.10	207
47.80	243	135.00	9555	221.10	30944	321.10	1069
49.10	2342	136.10	3949	223.10	7997	322.10	522
50.10	75736	137.10	4895	224.10	70896	323.00	12504
51.10	313280	138.00	940	225.10	17880	324.10	1739
52.10	15856	139.10	635	226.10	1937	326.00	347
53.10	800	140.10	1644	227.00	28784	327.00	2290
55.00	1298	141.00	16888	228.00	4389	328.10	1253
56.00	9257	142.00	5845	229.00	5906	329.00	252
57.00	20616	143.00	3311	230.00	697	330.90	207
58.00	881	144.10	896	231.10	2238	331.80	715
61.00	3435	145.00	778	232.00	439	333.10	1051
62.10	3563	146.00	3009	233.00	610	334.10	7282
63.00	11248	147.00	7644	234.00	2030	335.00	1472
64.10	1659	148.00	16920	235.00	1595	336.00	400
65.10	6051	149.00	3681	236.00	1264	338.80	272
66.00	296	150.10	926	237.00	2065	340.00	204
67.10	525	151.10	2050	238.00	450	341.10	1488
68.10	4478	152.00	1736	239.00	862	342.10	255
69.00	268864	153.00	4922	240.00	1008	346.00	2153
70.10	1380	154.10	4071	241.10	1890	347.00	331
71.10	282	155.00	9509	242.10	3215	350.20	211
73.00	1694	156.10	13651	243.10	3910	350.90	227
74.10	23800	157.00	3432	244.10	54008	352.10	3954
75.00	41032	158.00	2660	245.10	7116	353.00	2440
76.10	14575	159.00	2082	246.00	9594	354.10	3970
77.10	314624	160.10	4735	247.00	2915	355.00	773

Data File: \\sv5\o\chem\sv5.i\083010.B\DFT0830.D

Date : 30-AUG-2010 17:10

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT0830.D
Spectrum: HP ChemStation MS DFT0830.D, Scan 383: 11.045 min.
Location of Maximum: 198.00
Number of points: 326

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.10	21184	161.00	6921	248.00	478	359.10	296
79.00	17024	162.00	1893	249.00	2025	363.70	203
80.00	14102	163.10	583	250.00	726	365.00	14959
81.00	19672	164.00	1129	251.10	598	366.00	2296
82.00	5482	165.00	5042	252.30	637	370.10	573
83.00	4870	166.10	4228	253.10	1583	371.00	923
84.00	615	167.00	32344	254.10	4022	372.10	7517
85.00	3562	168.00	12437	255.00	274240	373.00	2069
86.00	5551	169.00	2500	256.00	39208	374.10	252
87.00	2291	170.10	799	257.00	2812	377.00	236
88.00	944	171.00	1496	258.00	14968	382.90	1658
89.00	455	172.00	2646	259.10	2902	384.00	332
91.00	4239	173.00	3314	260.00	525	390.10	1118
92.00	5010	174.00	6421	261.10	525	391.10	622
93.00	31128	175.10	11566	264.10	492	392.10	275
94.00	2215	176.00	3849	265.00	6122	401.00	235
95.00	883	177.00	6441	266.00	1260	402.00	2549
96.10	1484	178.00	1783	268.80	210	403.00	3711
97.20	692	179.00	20664	270.00	532	404.00	1746
98.00	22680	180.00	14687	271.10	801	420.00	210
99.00	18248	181.10	6790	272.10	994	421.00	3976
100.10	1518	182.00	910	273.10	8096	422.00	3277
101.00	11741	182.90	890	274.00	21824	423.10	25592
102.00	861	184.00	2068	275.00	127800	424.10	5109
103.00	3913	185.10	9839	276.10	16456	425.00	569
104.00	7110	186.10	85064	277.00	9394	427.70	294
105.00	7178	187.10	21864	278.00	1900	428.90	271
106.10	2041	188.10	2477	279.10	444	430.10	301
107.00	91504	189.00	4712	282.00	308	430.80	391
108.00	14597	190.00	941	283.10	1435	432.20	262
109.00	2839	191.00	2181	284.00	975	433.00	365
110.00	185344	192.00	6119	285.10	1734	433.80	356
111.00	28288	193.10	7116	286.00	358	434.80	402
112.00	3035	194.00	1924	289.00	450	436.30	575
113.00	962	195.00	1313	289.90	263	437.10	424

Date : 30-AUG-2010 17:10

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT0830.D
Spectrum: HP ChemStation MS DFT0830.D, Scan 383: 11.045 min.
Location of Maximum: 198.00
Number of points: 326

m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.10	508	196.10	17472	291.10	287	437.70	793
115.00	506	198.00	592640	292.00	410	438.10	707
116.10	4896	199.00	38584	293.00	2600	438.60	667
117.00	67848	200.00	3346	294.10	782	439.10	730
118.00	4690	201.40	2543	296.00	33480	439.70	453
119.00	844	203.00	4218	297.00	4618	441.00	69848
120.00	1006	204.00	18360	297.90	559	442.00	476096
121.00	272	205.10	32904	300.90	472	443.10	97352
122.00	5605	206.10	133888	302.10	600	444.00	8010
123.00	9434	207.10	16760	303.10	4544	445.10	786
124.00	4289	208.00	4756	304.00	1124		
125.00	4375	209.00	1487	308.00	457		

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083002.D
Lab Smp Id: L568C1AA G0H260000- Client Smp ID: 0238345
Inj Date : 30-AUG-2010 18:51
Operator : KT Inst ID: sv5.i
Smp Info : L568C1AA G0H260000-345B;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	73259	40.0000		(Q)
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	323698	40.0000		
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	175263	40.0000		
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	282742	40.0000		
* 5	Chrysene-d12	240	14.091	14.101	(1.000)	266609	40.0000		
* 6	Perylene-d12	264	16.485	16.495	(1.000)	246036	40.0000		
$ 7	2-Fluorophenol	112	2.951	2.940	(0.707)	184889	68.2456	68.24	
$ 8	Phenol-d5	99	3.811	3.811	(0.913)	276811	79.7690	79.77	
$ 10	1,2-Dichlorobenzene-d4	152	4.381	4.370	(1.050)	77113	42.3451	42.34	
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	101896	35.2716	35.27	
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	227244	40.9683	40.97	
$ 13	2,4,6-Tribromophenol	330	8.723	8.733	(1.133)	65643	95.7408	95.74	
$ 14	Terphenyl-d14	244	12.308	12.319	(0.874)	224921	43.6010	43.60	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

8/31/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L568C1AA G0H260000- Client Smp ID: 0238345
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	68.24	68.25	41-105
$ 8 Phenol-d5	100.0	79.77	79.77	43-122
$ 10 1,2-Dichlorobenzen	50.00	42.34	84.69	60-120
$ 11 Nitrobenzene-d5	50.00	35.27	70.54	46-118
$ 12 2-Fluorobiphenyl	50.00	40.97	81.94	58-105
$ 13 2,4,6-Tribromophen	100.0	95.74	95.74	61-118
$ 14 Terphenyl-d14	50.00	43.60	87.20	69-110

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S083002.D
Lab Smp Id: L568C1AA G0H260000-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

Calibration Date: 30-AUG-2010
Calibration Time: 16:46
Client Smp ID: 0238345
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	73259	-34.82
2 Naphthalene-d8	494728	247364	989456	323698	-34.57
3 Acenaphthene-d10	264752	132376	529504	175263	-33.80
4 Phenanthrene-d10	415811	207906	831622	282742	-32.00
5 Chrysene-d12	431516	215758	863032	266609	-38.22
6 Perylene-d12	416460	208230	832920	246036	-40.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.17	3.67	4.67	4.17	-0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	-0.00
3 Acenaphthene-d10	7.70	7.20	8.20	7.70	-0.00
4 Phenanthrene-d10	9.68	9.18	10.18	9.68	-0.00
5 Chrysene-d12	14.10	13.60	14.60	14.09	-0.07
6 Perylene-d12	16.50	16.00	17.00	16.49	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

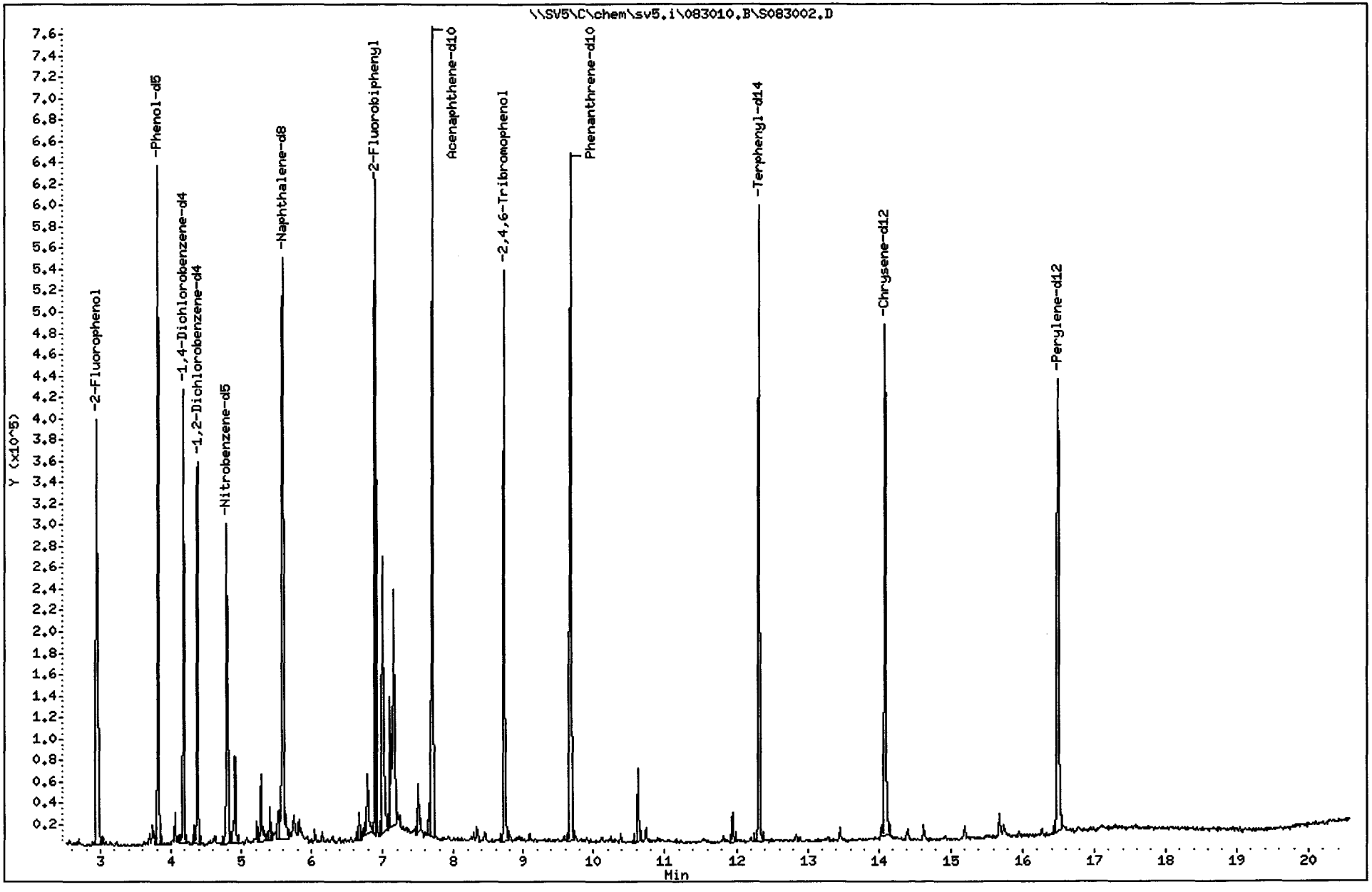
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L568C1AA G0H260000- Client Smp ID: 0238345
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	68.24	68.25	41-105
$ 8 Phenol-d5	100.0	79.77	79.77	43-122
$ 10 1,2-Dichlorobenzen	50.00	42.34	84.69	60-120
$ 11 Nitrobenzene-d5	50.00	35.27	70.54	46-118
$ 12 2-Fluorobiphenyl	50.00	40.97	81.94	58-105
$ 13 2,4,6-Tribromophen	100.0	95.74	95.74	61-118
$ 14 Terphenyl-d14	50.00	43.60	87.20	69-110

Data File: \\SV5\C\chem\sv5.i\083010.B\S083002.D
Date : 30-AUG-2010 18:51
Client ID: 0238345
Instrument: sv5.i
Sample Info: L568C1AA G0H260000-345B;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Operator: KT
Column phase:
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083003.D
Lab Smp Id: L568C1AC G0H260000-
Inj Date : 30-AUG-2010 19:17
Operator : KT Inst ID: sv5.i
Smp Info : L568C1AC G0H260000-345C;3;LCS;;1000;;1000;2
Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	128759	40.0000		(q)
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	565351	40.0000		
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	308864	40.0000		
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	486931	40.0000		
* 5	Chrysene-d12	240	14.101	14.101	(1.000)	483854	40.0000		
* 6	Perylene-d12	264	16.495	16.495	(1.000)	480596	40.0000		
$ 7	2-Fluorophenol	112	2.951	2.940	(0.707)	336651	70.7012	70.70	
$ 8	Phenol-d5	99	3.821	3.811	(0.916)	492368	80.7280	80.73	
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.						
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	190367	37.7295	37.73	
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	425900	43.5699	43.57	
$ 13	2,4,6-Tribromophenol	330	8.733	8.733	(1.135)	121701	100.722	100.7	
$ 14	Terphenyl-d14	244	12.308	12.319	(0.873)	406871	43.4594	43.46	
108	Hexachlorobenzene	284	9.241	9.251	(0.955)	234726	92.9513	92.95	

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

8/31/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S083003.D
Lab Smp Id: L568C1AC G0H260000-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 30-AUG-2010
Calibration Time: 16:46
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	128759	14.56
2 Naphthalene-d8	494728	247364	989456	565351	14.28
3 Acenaphthene-d10	264752	132376	529504	308864	16.66
4 Phenanthrene-d10	415811	207906	831622	486931	17.10
5 Chrysene-d12	431516	215758	863032	483854	12.13
6 Perylene-d12	416460	208230	832920	480596	15.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.17	3.67	4.67	4.17	-0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	-0.00
3 Acenaphthene-d10	7.70	7.20	8.20	7.70	-0.00
4 Phenanthrene-d10	9.68	9.18	10.18	9.68	-0.00
5 Chrysene-d12	14.10	13.60	14.60	14.10	-0.00
6 Perylene-d12	16.50	16.00	17.00	16.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L568C1AC G0H260000-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCS
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	92.95	92.95	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	70.70	70.70	41-105
$ 8 Phenol-d5	100.0	80.73	80.73	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	37.73	75.46	46-118
$ 12 2-Fluorobiphenyl	50.00	43.57	87.14	58-105
$ 13 2,4,6-Tribromophen	100.0	100.7	100.72	61-118
$ 14 Terphenyl-d14	50.00	43.46	86.92	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083003.D
Lab Smp Id: L568C1AC G0H260000-
Inj Date : 30-AUG-2010 19:17
Operator : KT Inst ID: sv5.i
Smp Info : L568C1AC G0H260000-345C;3;LCS;;1000;;1000;2
Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	128759	40.0000	(q)
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	565351	40.0000	
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	308864	40.0000	
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	486931	40.0000	
* 5	Chrysene-d12	240	14.101	14.101	(1.000)	483854	40.0000	
* 6	Perylene-d12	264	16.495	16.495	(1.000)	480596	40.0000	
$ 7	2-Fluorophenol	112	2.951	2.940	(0.707)	336651	70.7012	70.70
$ 8	Phenol-d5	99	3.821	3.811	(0.916)	492368	80.7280	80.73
$ 10	1,2-Dichlorobenzene-d4	152	4.173	4.370	(1.000)	128759	40.2288	40.23(q)
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	190367	37.7295	37.73
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	425900	43.5699	43.57
$ 13	2,4,6-Tribromophenol	330	8.733	8.733	(1.135)	121701	100.722	100.7
$ 14	Terphenyl-d14	244	12.308	12.319	(0.873)	406871	43.4594	43.46
108	Hexachlorobenzene	284	9.241	9.251	(0.955)	234726	92.9513	92.95

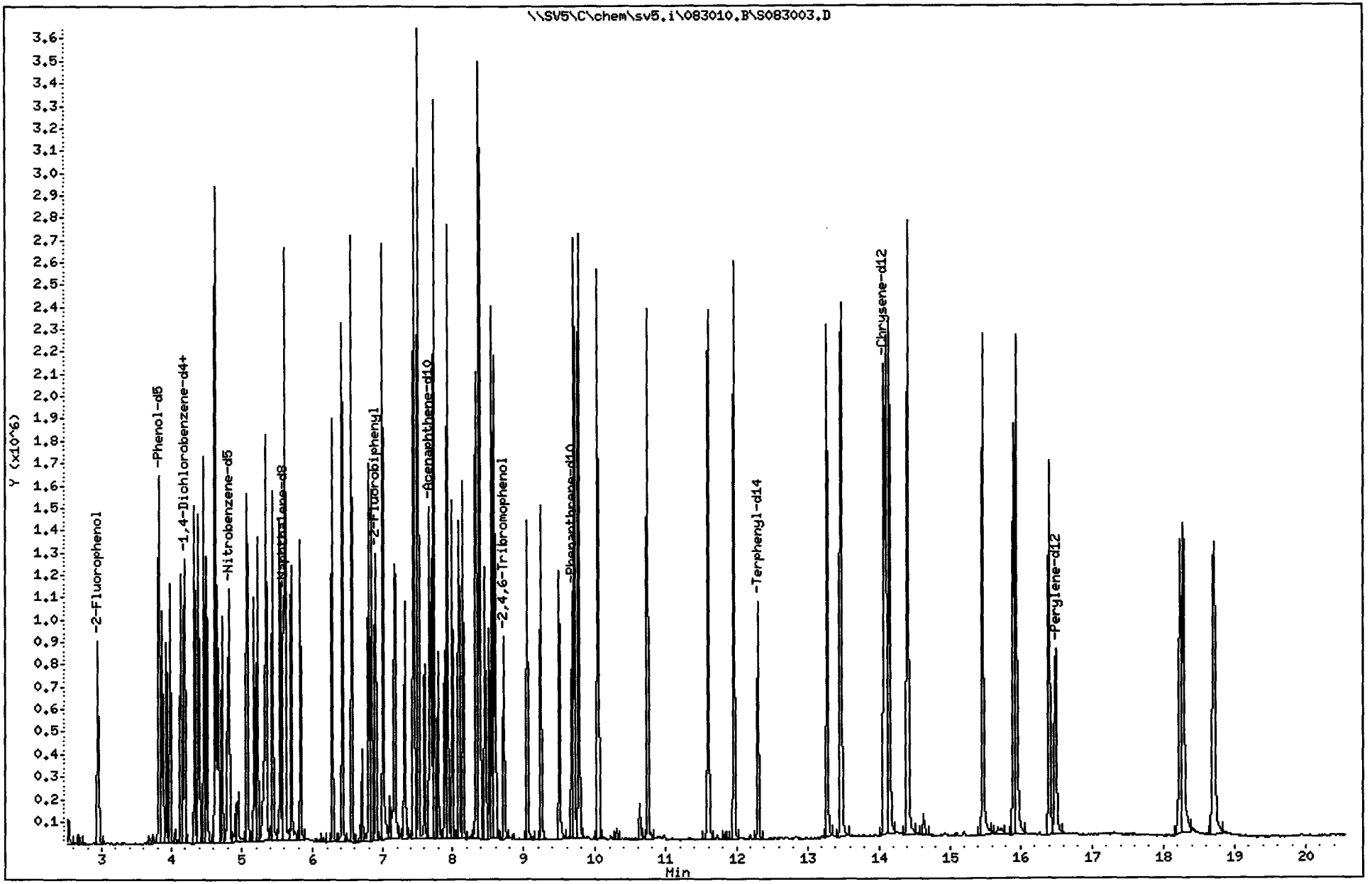
QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

Data File: \\SV5\C\chem\sv5.i\083010.B\S083003.D
Date : 30-AUG-2010 19:17
Client ID:
Sample Info: L568C1AC G0H260000-345C;3;LCS;;1000;;1000;2
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\083010.B\S083003.D

Date : 30-AUG-2010 19:17

Client ID:

Instrument: sv5.i

Sample Info: L568C1AC G0H260000-345C;3;LCS;;1000;;1000;2

Volume Injected (uL): 1.0

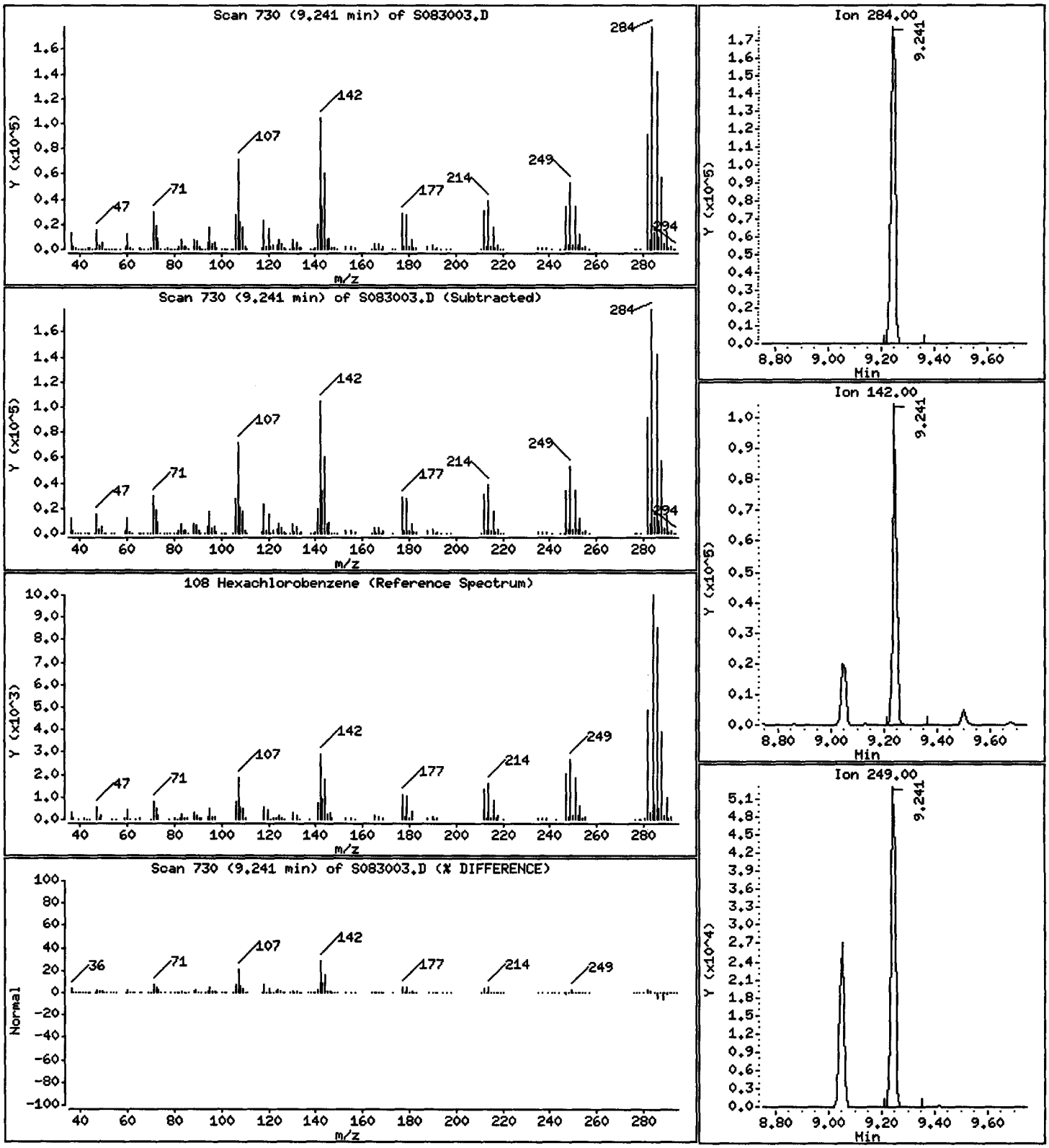
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 92.95 ug/L



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083004.D
Lab Smp Id: L568C1AD G0H260000-
Inj Date : 30-AUG-2010 19:43
Operator : KT Inst ID: sv5.i
Smp Info : L568C1AD G0H260000-345L;3;LCSD;;1000;;1000;2
Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	70068	40.0000	
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	303413	40.0000	
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	162140	40.0000	
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	253239	40.0000	
* 5	Chrysene-d12	240	14.101	14.101	(1.000)	253193	40.0000	
* 6	Perylene-d12	264	16.485	16.495	(1.000)	244721	40.0000	
$ 7	2-Fluorophenol	112	2.950	2.940	(0.707)	178360	68.8339	68.83
$ 8	Phenol-d5	99	3.811	3.811	(0.913)	258487	77.8809	77.88
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	105038	38.7900	38.79
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	222059	43.2737	43.27
$ 13	2,4,6-Tribromophenol	330	8.723	8.733	(1.133)	60470	95.3342	95.33
$ 14	Terphenyl-d14	244	12.308	12.319	(0.873)	204189	41.6795	41.68
108	Hexachlorobenzene	284	9.241	9.251	(0.955)	119595	91.0634	91.06

8/31/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S083004.D
Lab Smp Id: L568C1AD G0H260000-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 30-AUG-2010
Calibration Time: 16:46
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	70068	-37.66
2 Naphthalene-d8	494728	247364	989456	303413	-38.67
3 Acenaphthene-d10	264752	132376	529504	162140	-38.76
4 Phenanthrene-d10	415811	207906	831622	253239	-39.10
5 Chrysene-d12	431516	215758	863032	253193	-41.32
6 Perylene-d12	416460	208230	832920	244721	-41.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.17	3.67	4.67	4.17	-0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	-0.00
3 Acenaphthene-d10	7.70	7.20	8.20	7.70	-0.00
4 Phenanthrene-d10	9.68	9.18	10.18	9.68	-0.00
5 Chrysene-d12	14.10	13.60	14.60	14.10	-0.00
6 Perylene-d12	16.50	16.00	17.00	16.49	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L568C1AD G0H260000-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCSD
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	91.06	91.06	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	68.83	68.83	41-105
$ 8 Phenol-d5	100.0	77.88	77.88	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	38.79	77.58	46-118
$ 12 2-Fluorobiphenyl	50.00	43.27	86.55	58-105
$ 13 2,4,6-Tribromophen	100.0	95.33	95.33	61-118
$ 14 Terphenyl-d14	50.00	41.68	83.36	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083004.D
Lab Smp Id: L568C1AD G0H260000-
Inj Date : 30-AUG-2010 19:43
Operator : KT Inst ID: sv5.i
Smp Info : L568C1AD G0H260000-345L;3;LCSD;;1000;;1000;2
Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

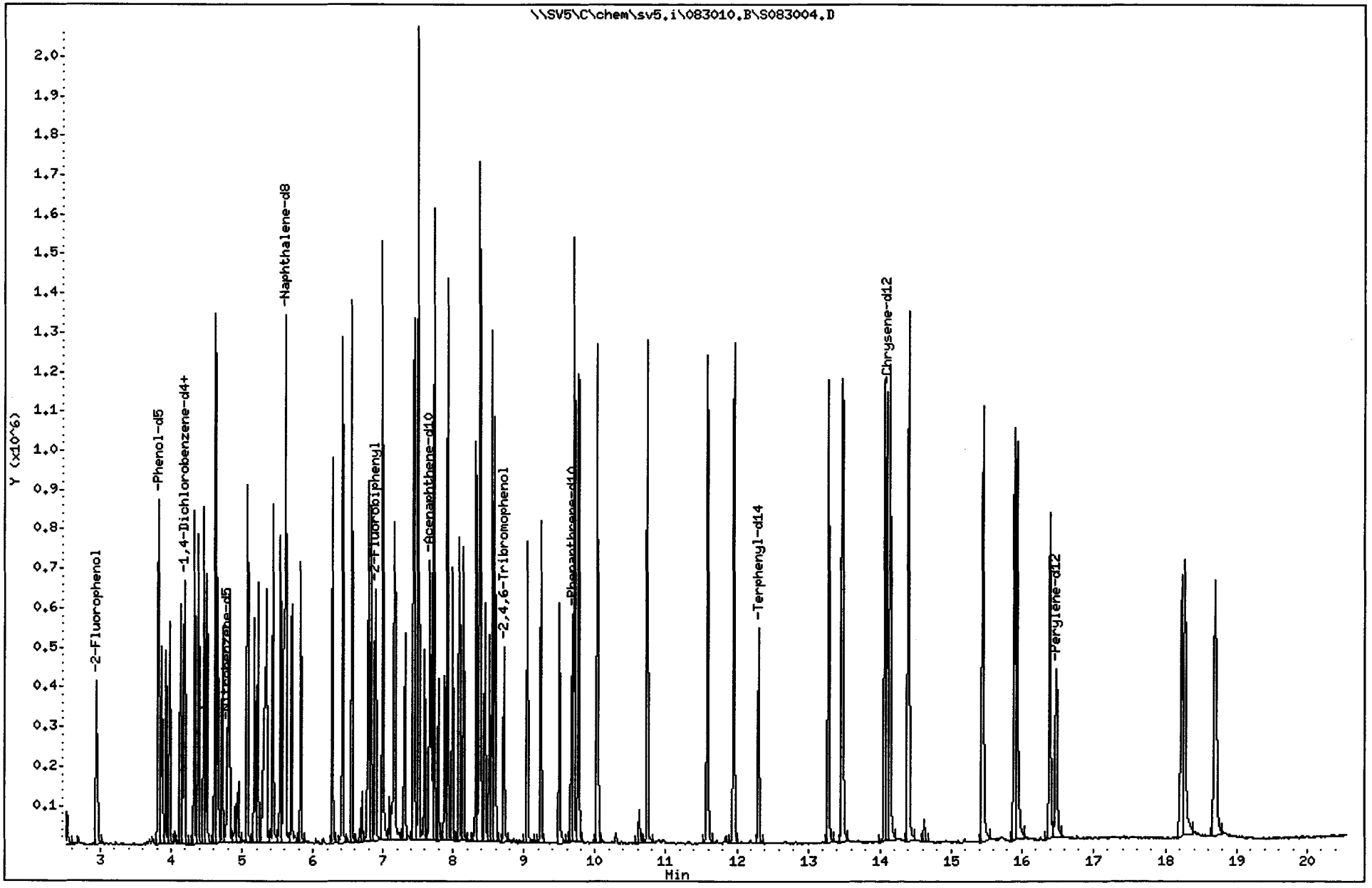
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	70068	40.0000	
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	303413	40.0000	
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	162140	40.0000	
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	253239	40.0000	
* 5	Chrysene-d12	240	14.101	14.101	(1.000)	253193	40.0000	
* 6	Perylene-d12	264	16.485	16.495	(1.000)	244721	40.0000	
$ 7	2-Fluorophenol	112	2.950	2.940	(0.707)	178360	68.8339	68.83
$ 8	Phenol-d5	99	3.811	3.811	(0.913)	258487	77.8809	77.88
$ 10	1,2-Dichlorobenzene-d4	152	4.173	4.370	(1.000)	70069	40.2294	40.23(q)
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	105038	38.7900	38.79
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	222059	43.2737	43.27
$ 13	2,4,6-Tribromophenol	330	8.723	8.733	(1.133)	60470	95.3342	95.33
$ 14	Terphenyl-d14	244	12.308	12.319	(0.873)	204189	41.6795	41.68
108	Hexachlorobenzene	284	9.241	9.251	(0.955)	119595	91.0634	91.06

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

Data File: \\SV5\C\chem\sv5.i\083010.B\S083004.D
Date : 30-AUG-2010 19:43
Client ID:
Instrument: sv5.i
Sample Info: L568C1AD G0H260000-345L;3;LCSD;;1000;;1000;2
Volume Injected (uL): 1.0
Operator: KT
Column phase:
Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\083010.B\S083004.D

Date : 30-AUG-2010 19:43

Client ID:

Instrument: sv5.i

Sample Info: L568C1AD G0H260000-345L;3;LCSD;;1000;;1000;2

Volume Injected (uL): 1.0

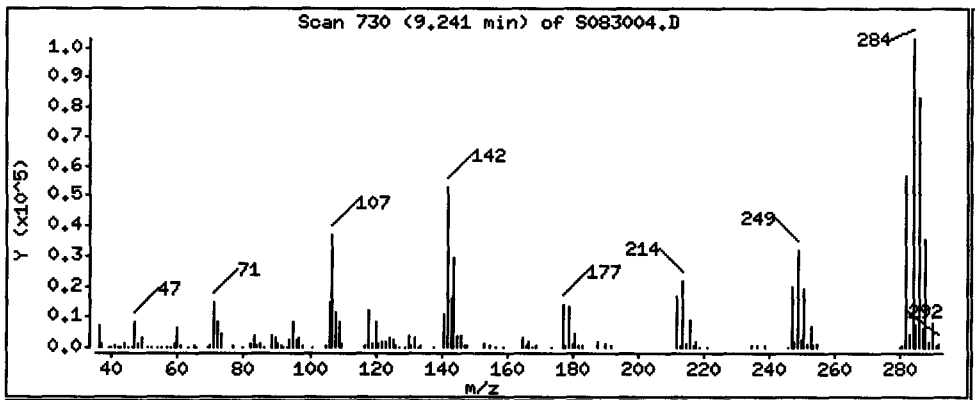
Operator: KT

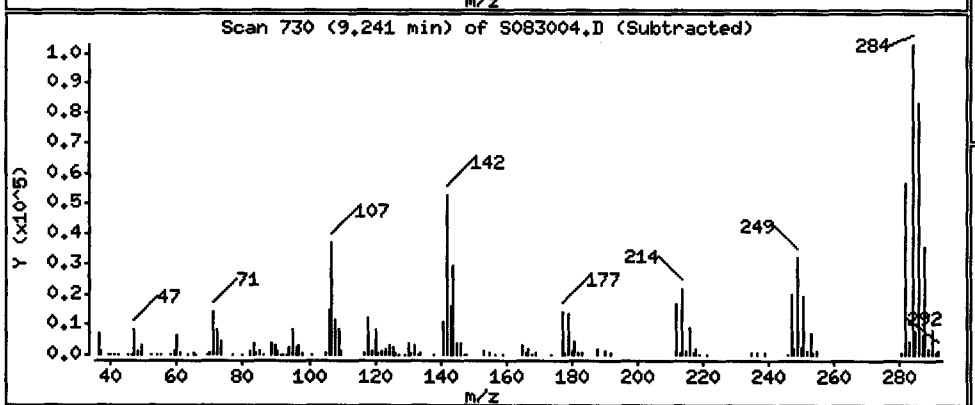
Column phase:

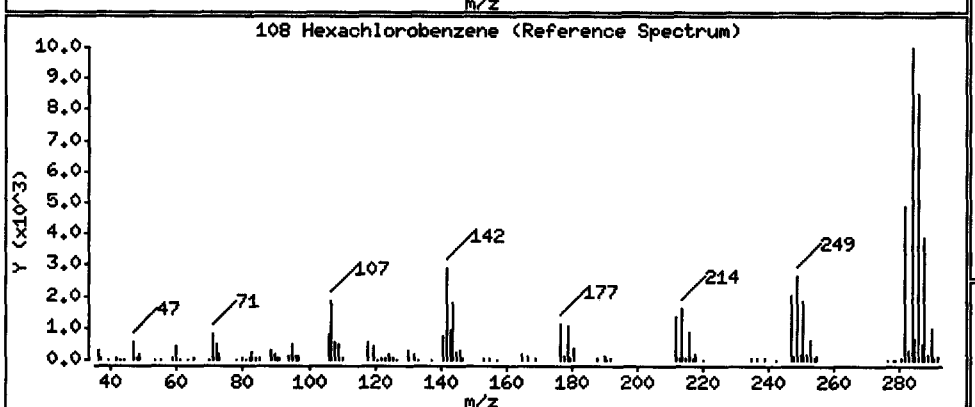
Column diameter: 2.00

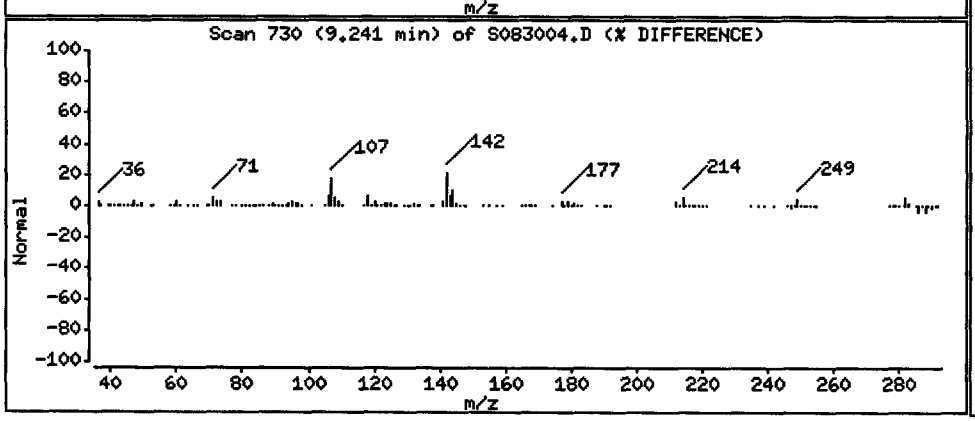
108 Hexachlorobenzene

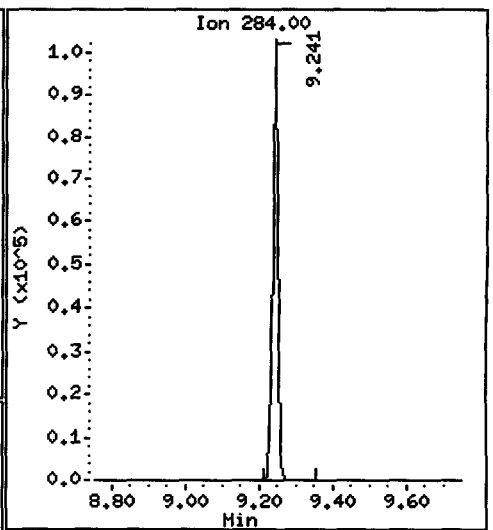
Concentration: 91.06 ug/L

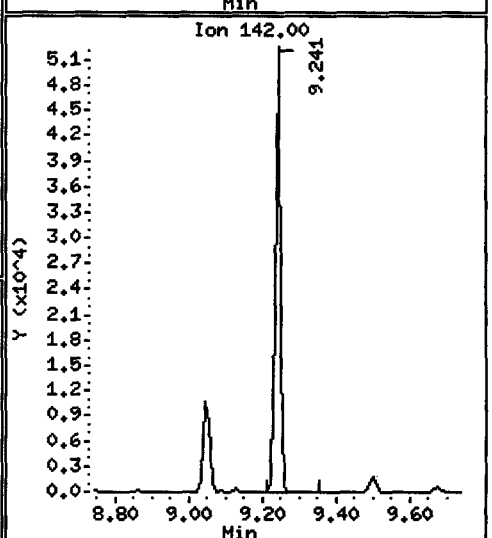


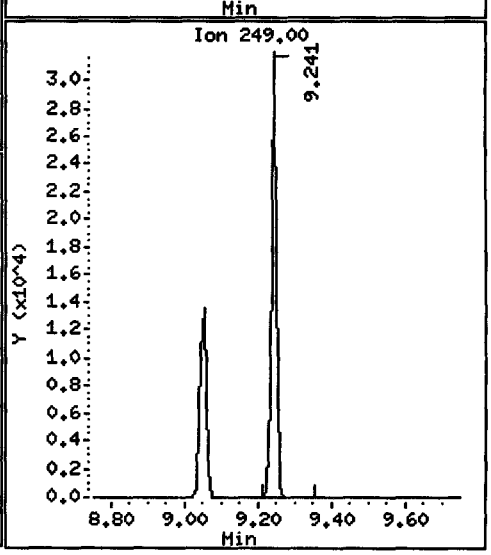












TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083005.D
Lab Smp Id: L564J1AA G0H260533- Client Smp ID: 0238345
Inj Date : 30-AUG-2010 20:09
Operator : KT Inst ID: sv5.i
Smp Info : L564J1AA G0H260533-6;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	89634	40.0000		(q)
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	400555	40.0000		
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	210816	40.0000		
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	337924	40.0000		
* 5	Chrysene-d12	240	14.091	14.101	(1.000)	319986	40.0000		
* 6	Perylene-d12	264	16.485	16.495	(1.000)	311478	40.0000		
$ 7	2-Fluorophenol	112	2.951	2.940	(0.707)	221817	66.9185	66.92	
$ 8	Phenol-d5	99	3.811	3.811	(0.913)	334987	78.8982	78.90	
$ 10	1,2-Dichlorobenzene-d4	152	4.381	4.370	(1.050)	54719	24.5585	24.56	(qR)
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	120607	33.7379	33.74	
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	273612	41.0089	41.01	
$ 13	2,4,6-Tribromophenol	330	8.723	8.733	(1.133)	82338	99.8380	99.84	
$ 14	Terphenyl-d14	244	12.308	12.319	(0.874)	273989	44.2531	44.25	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

8/31/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S083005.D
Lab Smp Id: L564J1AA G0H260533-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

Calibration Date: 30-AUG-2010
Calibration Time: 16:46
Client Smp ID: 0238345
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	89634	-20.25
2 Naphthalene-d8	494728	247364	989456	400555	-19.04
3 Acenaphthene-d10	264752	132376	529504	210816	-20.37
4 Phenanthrene-d10	415811	207906	831622	337924	-18.73
5 Chrysene-d12	431516	215758	863032	319986	-25.85
6 Perylene-d12	416460	208230	832920	311478	-25.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.17	3.67	4.67	4.17	-0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	0.00
3 Acenaphthene-d10	7.70	7.20	8.20	7.70	-0.00
4 Phenanthrene-d10	9.68	9.18	10.18	9.68	-0.00
5 Chrysene-d12	14.10	13.60	14.60	14.09	-0.07
6 Perylene-d12	16.50	16.00	17.00	16.49	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

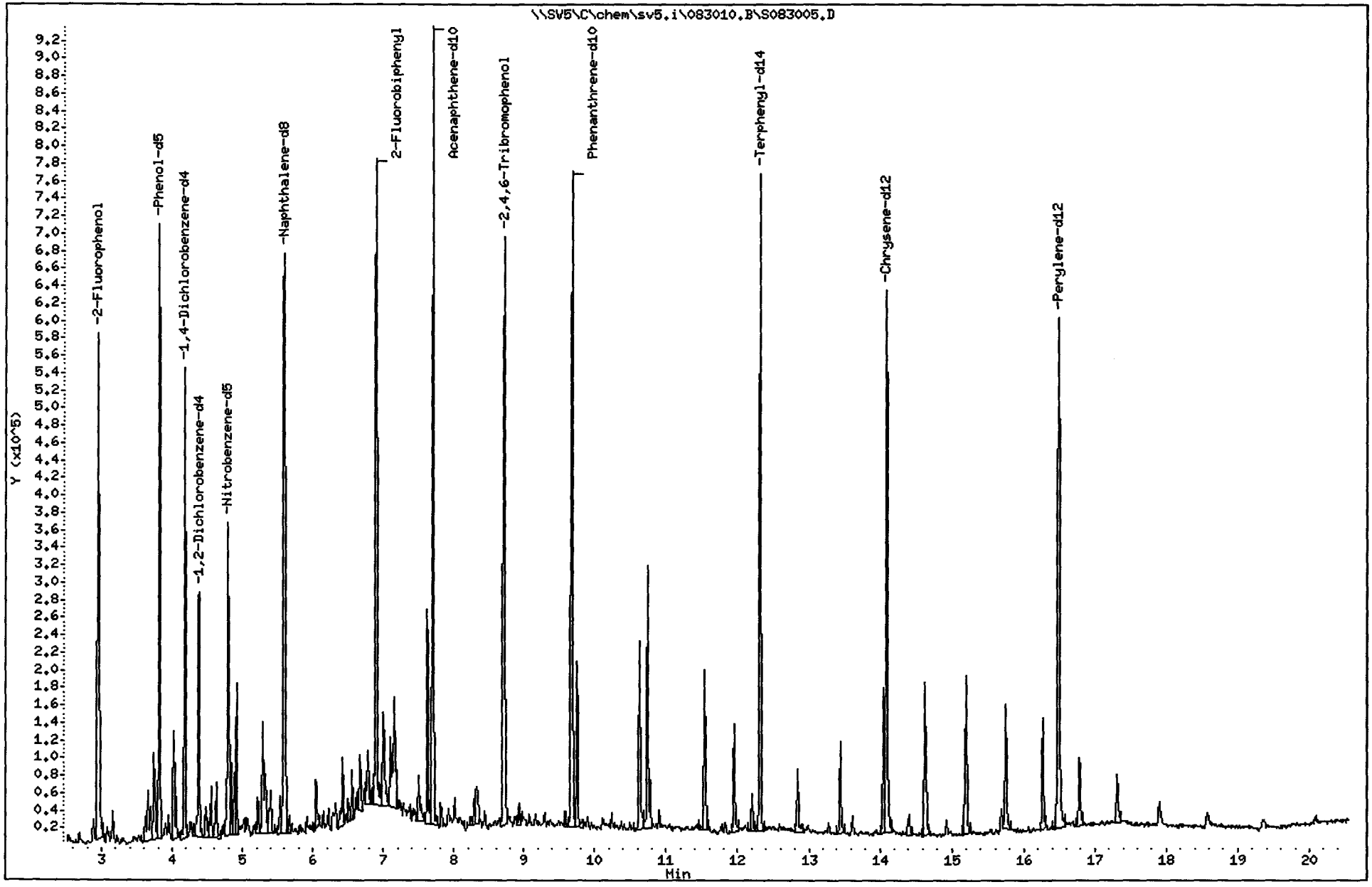
RECOVERY REPORT

Client Name: Client SDG: SDGa00241
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L564J1AA G0H260533- Client Smp ID: 0238345
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	66.92	66.92	41-105
$ 8 Phenol-d5	100.0	78.90	78.90	43-122
$ 10 1,2-Dichlorobenzen	50.00	24.56	49.12*	60-120
$ 11 Nitrobenzene-d5	50.00	33.74	67.48	46-118
$ 12 2-Fluorobiphenyl	50.00	41.01	82.02	58-105
$ 13 2,4,6-Tribromophen	100.0	99.84	99.84	61-118
$ 14 Terphenyl-d14	50.00	44.25	88.51	69-110

Data File: \\SV5\C\chem\sv5.i\083010.B\S083005.D
Date : 30-AUG-2010 20:09
Client ID: 0238345
Sample Info: L564J1AA G0H260533-6;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i
Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083006.D
Lab Smp Id: L56481AA G0H260533- Client Smp ID: 0238345
Inj Date : 30-AUG-2010 20:35
Operator : KT Inst ID: sv5.i
Smp Info : L56481AA G0H260533-7;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	80895	40.0000	(q)
* 2 Naphthalene-d8	136	5.593	5.593	(1.000)	356170	40.0000	
* 3 Acenaphthene-d10	164	7.697	7.697	(1.000)	193822	40.0000	
* 4 Phenanthrene-d10	188	9.676	9.676	(1.000)	312546	40.0000	
* 5 Chrysene-d12	240	14.091	14.101	(1.000)	286507	40.0000	
* 6 Perylene-d12	264	16.485	16.495	(1.000)	276507	40.0000	
$ 7 2-Fluorophenol	112	2.951	2.940	(0.707)	215154	71.9204	71.92
$ 8 Phenol-d5	99	3.811	3.811	(0.913)	313785	81.8884	81.89
$ 10 1,2-Dichlorobenzene-d4	152	4.381	4.370	(1.050)	55623	27.6611	27.66(qR)
$ 11 Nitrobenzene-d5	82	4.795	4.795	(0.857)	116370	36.6093	36.61
$ 12 2-Fluorobiphenyl	172	6.899	6.899	(0.896)	252359	41.1398	41.14
$ 13 2,4,6-Tribromophenol	330	8.723	8.733	(1.133)	73268	96.6296	96.63
$ 14 Terphenyl-d14	244	12.308	12.319	(0.874)	250401	45.1692	45.17
108 Hexachlorobenzene	284	Compound Not Detected.					

8/31/10

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S083006.D
Lab Smp Id: L56481AA G0H260533-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

Calibration Date: 30-AUG-2010
Calibration Time: 16:46
Client Smp ID: 0238345
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	80895	-28.03
2 Naphthalene-d8	494728	247364	989456	356170	-28.01
3 Acenaphthene-d10	264752	132376	529504	193822	-26.79
4 Phenanthrene-d10	415811	207906	831622	312546	-24.83
5 Chrysene-d12	431516	215758	863032	286507	-33.60
6 Perylene-d12	416460	208230	832920	276507	-33.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.17	3.67	4.67	4.17	-0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	-0.00
3 Acenaphthene-d10	7.70	7.20	8.20	7.70	-0.00
4 Phenanthrene-d10	9.68	9.18	10.18	9.68	-0.00
5 Chrysene-d12	14.10	13.60	14.60	14.09	-0.07
6 Perylene-d12	16.50	16.00	17.00	16.49	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

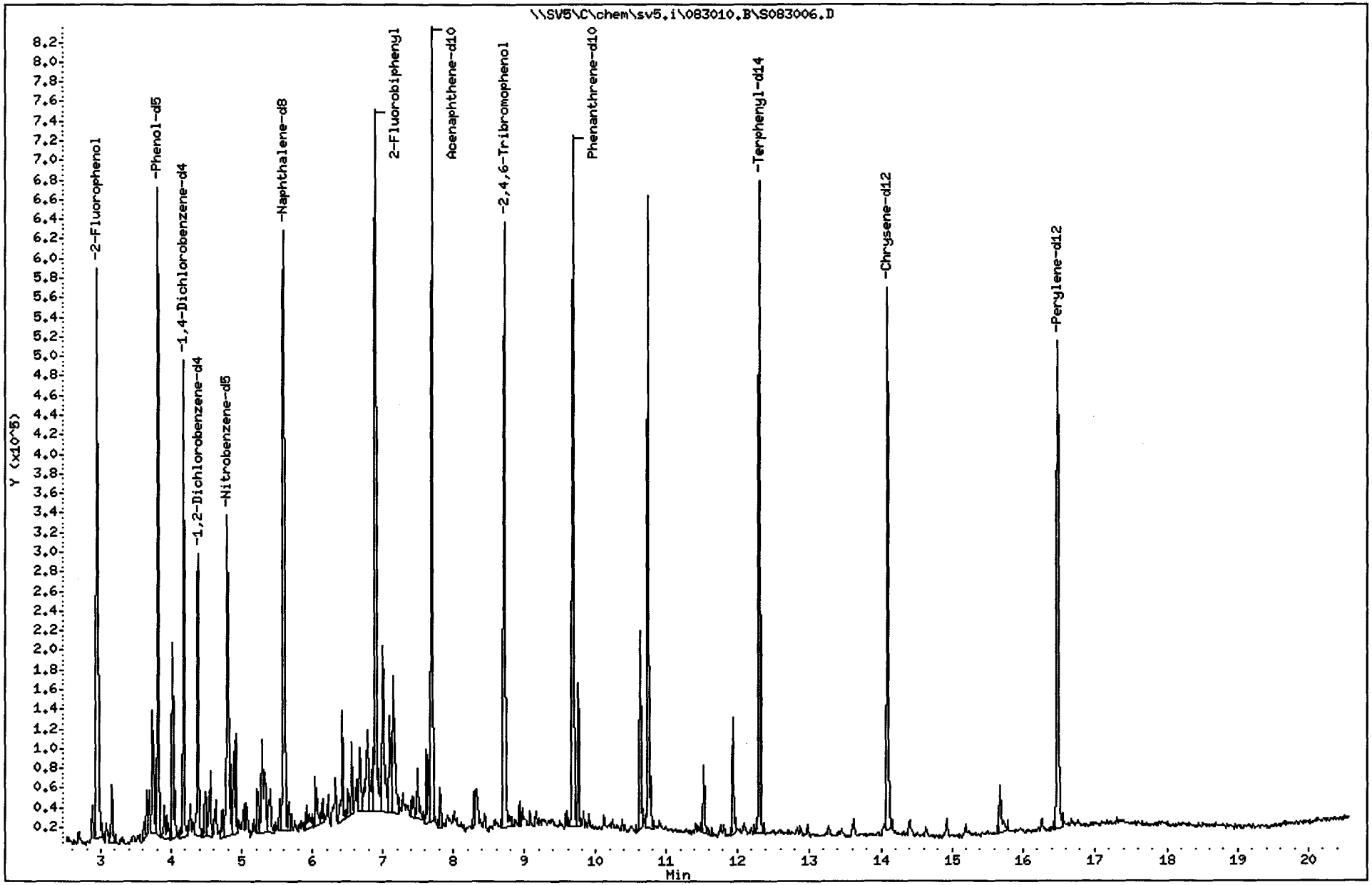
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: SDGa00241
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L56481AA G0H260533- Client Smp ID: 0238345
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	71.92	71.92	41-105
$ 8 Phenol-d5	100.0	81.89	81.89	43-122
$ 10 1,2-Dichlorobenzen	50.00	27.66	55.32*	60-120
$ 11 Nitrobenzene-d5	50.00	36.61	73.22	46-118
$ 12 2-Fluorobiphenyl	50.00	41.14	82.28	58-105
$ 13 2,4,6-Tribromophen	100.0	96.63	96.63	61-118
$ 14 Terphenyl-d14	50.00	45.17	90.34	69-110

Data File: \\SV5\C\chem\sv5.i\083010.B\S083006.D
Date : 30-AUG-2010 20:35
Client ID: 0238345
Instrument: sv5.i
Sample Info: L56481AA G0H260533-7;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Operator: KT
Column phase:
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\083010.B\S083007.D
Lab Smp Id: L565M1AA G0H260533-10 Client Smp ID: 0238345
Inj Date : 30-AUG-2010 21:01
Operator : KT Inst ID: sv5.i
Smp Info : L565M1AA G0H260533-10;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\083010.B\8270F.m
Meth Date : 30-Aug-2010 18:44 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	4.173	4.173	(1.000)	128663	40.0000		(Q)
* 2	Naphthalene-d8	136	5.593	5.593	(1.000)	568045	40.0000		
* 3	Acenaphthene-d10	164	7.697	7.697	(1.000)	313068	40.0000		
* 4	Phenanthrene-d10	188	9.676	9.676	(1.000)	499999	40.0000		
* 5	Chrysene-d12	240	14.091	14.101	(1.000)	482812	40.0000		
* 6	Perylene-d12	264	16.495	16.495	(1.000)	476921	40.0000		
$ 7	2-Fluorophenol	112	2.951	2.940	(0.707)	315390	66.2855	66.28	
$ 8	Phenol-d5	99	3.811	3.811	(0.913)	454835	74.6298	74.63	
$ 10	1,2-Dichlorobenzene-d4	152	4.381	4.370	(1.050)	115921	36.2448	36.24	(q)
$ 11	Nitrobenzene-d5	82	4.795	4.795	(0.857)	185500	36.5906	36.59	
$ 12	2-Fluorobiphenyl	172	6.899	6.899	(0.896)	398984	40.2683	40.27	
$ 13	2,4,6-Tribromophenol	330	8.723	8.733	(1.133)	116358	95.0072	95.01	
$ 14	Terphenyl-d14	244	12.308	12.319	(0.874)	415165	44.4411	44.44	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

8/31/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S083007.D
Lab Smp Id: L565M1AA G0H260533-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

Calibration Date: 30-AUG-2010
Calibration Time: 16:46
Client Smp ID: 0238345
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	128663	14.47
2 Naphthalene-d8	494728	247364	989456	568045	14.82
3 Acenaphthene-d10	264752	132376	529504	313068	18.25
4 Phenanthrene-d10	415811	207906	831622	499999	20.25
5 Chrysene-d12	431516	215758	863032	482812	11.89
6 Perylene-d12	416460	208230	832920	476921	14.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.17	3.67	4.67	4.17	-0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	-0.00
3 Acenaphthene-d10	7.70	7.20	8.20	7.70	-0.00
4 Phenanthrene-d10	9.68	9.18	10.18	9.68	-0.00
5 Chrysene-d12	14.10	13.60	14.60	14.09	-0.07
6 Perylene-d12	16.50	16.00	17.00	16.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

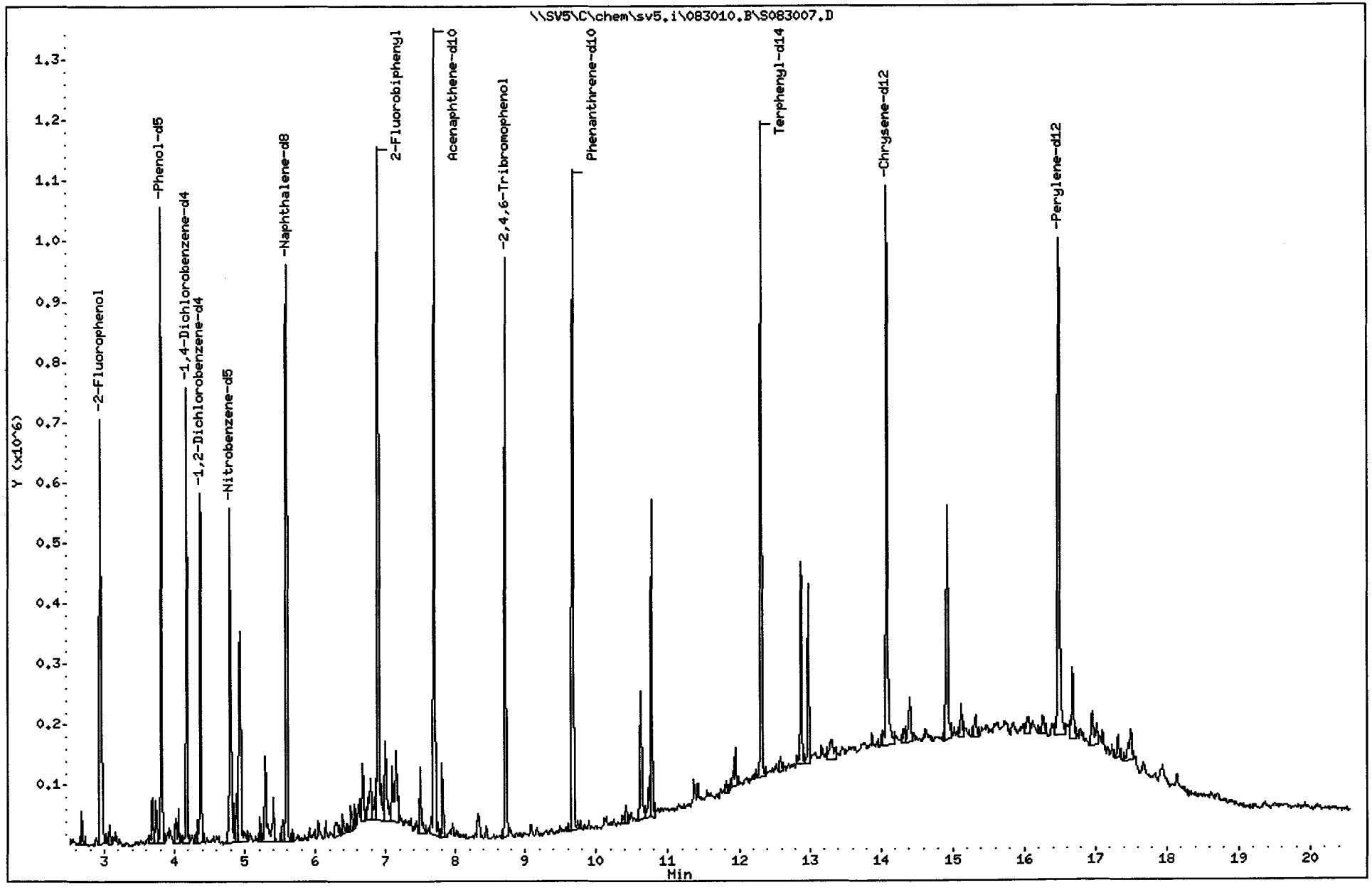
RECOVERY REPORT

Client Name: Client SDG: SDGa00241
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L565M1AA G0H260533- Client Smp ID: 0238345
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\083010.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0238345;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	66.28	66.29	41-105
$ 8 Phenol-d5	100.0	74.63	74.63	43-122
$ 10 1,2-Dichlorobenzen	50.00	36.24	72.49	60-120
$ 11 Nitrobenzene-d5	50.00	36.59	73.18	46-118
$ 12 2-Fluorobiphenyl	50.00	40.27	80.54	58-105
$ 13 2,4,6-Tribromophen	100.0	95.01	95.01	61-118
$ 14 Terphenyl-d14	50.00	44.44	88.88	69-110

Data File: \\SV5\C\chem\sv5.i\083010.B\S083007.D
Date : 30-AUG-2010 21:01
Client ID: 0238345
Sample Info: L565M1AA G0H260533-8;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i
Operator: KT
Column diameter: 2.00



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
MS SemiVOA ICAL Checklist
Method 8270C

Instrument:SV5
Injection Date: 8/23/2010
Initiator/Date: SRS/8/24/2010
Reviewer/Date: [signature] 8/24/10

DFTPP Mix ID: 10MSSV0129
STD Mix IDs: 10MSSV0307-0313
2nd Source Mix ID: 10MSSV0~~314~~ ~~306~~ 314 SRS 8/24/10
NCM ____________________

I: SPCCs The SPCC RRFs must be greater than 0.050.

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	☒	☑	2,4-Dinitrophenol	☒	☑
Hexachlorocyclopentadiene	☒	☑	4-Nitrophenol	☒	☑

II: CCCs The CCC % RSDs must be less than 30%

	Initiated	Reviewed		Initiated	Reviewed
Phenol	☒	☑	Acenaphthene	☒	☑
1,4-Dichlorobenzene	☒	☑	N-nitrosodiphenylamine	☒	☑
2-Nitrophenol	☒	☑	Pentachlorophenol	☒	☑
2,4-Dichlorophenol	☒	☑	Fluoranthene	☒	☑
Hexachlorobutadiene	☒	☑	Di-n-octyl phthalate		☑
4-chloro-3-methylphenol	☒	☑	Benzo(a)pyrene	☒	☑
2,4,6-Trichlorophenol	☒	☑			

III: Other Criteria

	Initiated	Reviewed
The custom.rp shows that the average of the average is less than 15% on the CCV level standard. Avg of AVG:________	☒	☑
Tailing and degradation criteria are met.	☒	☑
The Tune Documentation is present and meets criteria	☒	☑
All Internal Standards within 50-200% of ICAL mid-point.	☒	☑
Calibration History Included.	☒	☑
Manual re-integrations are checked/initialed and hardcopies included.	☒	☑
Standards analyzed with within 12 hours of Tune time.	☒	☑
Retention time correct for Isomers and all other analytes.	☒	☑
Linear Regressions >0.990 and intercept < ± (½ RL / IS amount)	☒	☑
The second source standard meets the SSCS criteria File Name: ________	☒	☑

IV: Non-CCC Compounds Over 15% ***(Write compound and %D)***

V: Second Source Compounds Over 25% ***(Write compound and %D)***

~~Benzidine @ -35.9%~~
3,3'-~~Dichlorobenzidine @ -43.6%~~ SRS 8/24/10

N-Nitrosodiphenylamine = -6.08%D after converse calculation.

** Conversed Diphenylamine in ICAL and N-Nitrosodiphenylamine in 2nd Source. See Attached note.

~~* 1,3,5-Trinitrobenzene UCL @ 120 ppb.~~ RY 8/24/10

\\SACP104\BRIGHTSIDE\BRIGHTSIDE\8270KEITH\CURVES\SV5\SV5_HSL_082310.DOC
QA-512 ERS 1/2/2008

Truong, Kenny Q

From: Allameh, David
Sent: Tuesday, September 01, 2009 9:40 AM
To: Truong, Kenny Q; Onishi, Marc; Young, Roger
Subject: FW: n-nitrosodiphenylamine and diphenylamine

FYI. DA

DAVID ALLAMEH
Organic & Advance Tech Instrument Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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West Sacramento, CA 95605
Tel 916.374.4316 | Fax 916.372.1059
www.testamericainc.com

From: Burrows, Richard
Sent: Tuesday, September 01, 2009 9:36 AM
To: Tech Contact - Semi MS
Cc: Quality Assurance Mgrs; Carter, Charlie
Subject: n-nitrosodiphenylamine and diphenylamine

As you probably know, n-nitrosdiphenylamine breaks down to diphenylamine in the injection port of the GC. Therefore n-nitrosodiphenylamine and diphenylamine cannot be distinguished unless a separation step is performed prior to analysis.

We recently noticed that some standards vendors make up most of their mixed 8270 calibration standards using diphenylamine, (eg Restek) while others use mostly n-nitorodiphenylamine (eg Accustandard). Others have quite a mix (eg Ultra).

Depending on what you are using to calibrate, and what you are reporting, it may be necessary to apply a correction to the standards concentration because of the molecular weight difference between the two analytes.

→ Diphenylamine molectular weight = 169
n-nitrosodiphenylamine molecular weight = 198

If you are calibrating with a standard containing diphenylamine and reporting n-nitrosodiphenylamine then the concentration of the standard should be corrected by the factor 198/169 = 1.1716

I.e., a 100ppm diphenylamine is equivalent to a 117ppm n-nitrosodiphenylamine standard.

Conversely a 100ppm n-nitrosodiphenylamine standard is equivalent to 100 x 169/198 = 85.4ppm diphenylamine standard.

Please check your standards and make any necessary adjustments next time you calibrate the instrument. It is not necessary to check past data since the correction is quite small and detections in field samples are rare.

Richard

9/4/2009

TestAmerica West Sacramento Page# _____

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

Method Key (MTH Column)
QL = EPA 8270C (WS-MS-0005)
JZ = EPA TO-13A (WS-MS-0005)
VX = EPA 8270C-SIM (mod) CWM (WS-MS-0003)
QI = EPA 8270C-SIM (WS-MS-0008)
FX = PAH-SIM Isotope Dilution (WS-MS-0006)
F9 = EPA 8270C-SIM (mod) 1,4-Dioxane (WS-MS-0011)

Inst ID : sv5.i
Batch ID : 082310B.B
ICAL Date: See Calib Report
See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
23-AUG-2010	15:30	KT	PRIMER	QC001.D	NA	NA	NA		
23-AUG-2010	15:53	KT	DFTPP 50ug/ml	DFT0823.D	NA	NA	NA		
23-AUG-2010	16:14	KT	HSL_050 ug/ml CS-4	HSL0823D.	NA	NA	NA		
23-AUG-2010	16:40	KT	HSL_005 ug/ml CS-1	HSL0823A.	NA	NA	NA		
23-AUG-2010	17:06	KT	HSL_010 ug/ml CS-2	HSL0823B.	NA	NA	NA		
23-AUG-2010	17:32	KT	HSL_020 ug/ml CS-3	HSL0823C.	NA	NA	NA		
23-AUG-2010	17:58	KT	HSL_080 ug/ml CS-5	HSL0823E.	NA	NA	NA		
23-AUG-2010	18:24	KT	HSL_120 ug/ml CS-6	HSL0823F.	NA	NA	NA		
23-AUG-2010	18:50	KT	HSL_160 ug/ml CS-7	HSL0823G.	NA	NA	NA		
23-AUG-2010	19:17	KT	HSL_050 ug/ml ICV	HSL0823H.	NA	NA	NA		
23-AUG-2010	19:40	KT	DFTPP 50ug/ml	DFT0823A.	NA	NA	NA		
23-AUG-2010	20:01	KT	HSL_050 ug/ml CS-4	HSL0823.D	NA	NA	NA		
23-AUG-2010	20:27	KT	AP9_050 ug/ml CS-4	AP90823.D	NA	NA	NA		
23-AUG-2010	20:53	KT	L5NL11AA G0H170000-247B	S082301.D	30 g	1 mL	1	QL	
23-AUG-2010	21:19	KT	L5NL11AC G0H170000-247C	S082302.D	30 g	1 mL	1	QL	
23-AUG-2010	21:45	KT	L5NL11AD G0H170000-247L	S082303.D	30 g	1 mL	1	QL	
23-AUG-2010	22:11	KT	L5C2G1CA G0H100464-1	S082304.D	29.6 g	1 mL	1	QL	

Report Date : 24-Aug-2010 16:58

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Calibration File Names:
Level 1: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
Level 2: \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
Level 3: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
Level 4: \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
Level 5: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
Level 6: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
Level 7: \\SV5\C\chem\sv5.i\081710.B\AP90817G.D

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	160.0000 Level 7										
15 N-Nitrosodimethylamine	0.96889	1.05182	0.99956	0.99636	1.00582	1.05227					
	1.05190						AVRG		1.01809		3.31569
16 Pyridine	1.74257	1.59471	1.74951	1.63473	1.66672	1.69519					
	1.72467						AVRG		1.68687		3.43478
23 Aniline	2.24812	2.28154	2.37340	2.38842	2.38827	2.47149					
	2.45688						AVRG		2.37259		3.49111
24 Phenol	1.88616	1.93326	2.00386	2.01812	2.00543	2.06067					
	2.05304						AVRG		1.99436		3.17504

Manual caculation for 4-chloroaniline @ Level 5:

$\frac{470189}{521662} \times \frac{40}{80} = 0.45066$ RF 8/24/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
26 Bis(2-chloroethyl)ether	1.47312	1.56559	1.55119	1.49744	1.49537	1.56317					
	1.53196						AVRG		1.52541		2.41864
27 2-Chlorophenol	1.52824	1.56033	1.61368	1.58355	1.57468	1.60613					
	1.59500						AVRG		1.58023		1.85377
28 1,3-Dichlorobenzene	1.73906	1.72995	1.80379	1.71226	1.72294	1.75843					
	1.73696						AVRG		1.74334		1.73709
29 1,4-Dichlorobenzene	1.66586	1.73928	1.83198	1.77477	1.75374	1.81591					
	1.78035						AVRG		1.76599		3.10324
30 Benzyl Alcohol	1.04428	1.06832	1.06188	1.03772	1.08155	1.14825					
	1.14577						AVRG		1.08397		4.19469
31 1,2-Dichlorobenzene	1.68974	1.67274	1.71059	1.64423	1.64560	1.66052					
	1.65040						AVRG		1.66769		1.49730
32 2-Methylphenol	1.38289	1.42297	1.48961	1.51774	1.50470	1.55035					
	1.55488						AVRG		1.48902		4.31730

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	160.0000 Level 7										
33 2,2'-oxybis(1-Chloropropane)	2.84785	2.85870	2.95562	2.91080	2.89000	2.96987					
	2.90713						AVRG		2.90571		1.56706
34 4-Methylphenol	1.43204	1.55502	1.60476	1.60650	1.60766	1.65718					
	1.63301						AVRG		1.58517		4.69088
36 Hexachloroethane	0.62035	0.60365	0.62821	0.60905	0.62746	0.63771					
	0.62827						AVRG		0.62210		1.92646
37 N-Nitrosodinpropylamine	1.09571	1.08610	1.10028	1.12427	1.11067	1.15868					
	1.13347						AVRG		1.11560		2.24842
42 Nitrobenzene	0.36219	0.34203	0.34763	0.35298	0.36080	0.36388					
	0.36074						AVRG		0.35575		2.35137
44 Isophorone	0.66145	0.63880	0.64953	0.68152	0.68986	0.71163					
	0.69459						AVRG		0.67537		3.89210
45 2-Nitrophenol	0.17049	0.18464	0.18131	0.19207	0.20021	0.20605					
	0.20453						AVRG		0.19133		6.91310

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
46 2,4-Dimethyphenol	0.35003	0.34291	0.35324	0.35760	0.36429	0.37344					
	0.36909						AVRG		0.35866		3.03764
47 Bis(2-chloroethoxy)methane	0.38266	0.41392	0.40277	0.40564	0.40400	0.39962					
	0.40053						AVRG		0.40130		2.36059
49 2,4-Dichlorophenol	0.25786	0.25737	0.25223	0.25884	0.26620	0.27159					
	0.26588						AVRG		0.26143		2.54813
50 Benzoic Acid	0.16121	0.17577	0.18229	0.20529	0.21498	0.23705					
	0.22986						AVRG		0.20092		14.24660
51 1,2,4-Trichlorobenzene	0.29021	0.28557	0.27950	0.28225	0.27684	0.28326					
	0.28345						AVRG		0.28301		1.50984
52 Naphthalene	1.12400	1.11117	1.10276	1.09233	1.12240	1.12626					
	1.11373						AVRG		1.11324		1.11287
54 4-Chloroaniline	0.43559	0.43229	0.41656	0.44746	0.45066	0.44814					
	0.44364						AVRG		0.43919		2.74566

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
57 Hexachlorobutadiene	0.13724	0.13729	0.12865	0.13303	0.13449	0.13480					
	0.13329						AVRG		0.13411		2.19981
60 4-Chloro-3-Methylphenol	0.28266	0.28184	0.29350	0.31743	0.31440	0.32140					
	0.31540						AVRG		0.30380		5.66552
63 2-Methylnaphthalene	0.66030	0.66646	0.66655	0.70266	0.68612	0.69813					
	0.67713						AVRG		0.67962		2.43230
66 Hexachlorocyclopentadiene	0.29355	0.30733	0.28835	0.30682	0.30412	0.32444					
	0.32065						AVRG		0.30646		4.26674
69 2,4,6-Trichlorophenol	0.25681	0.29324	0.29720	0.31093	0.31309	0.31902					
	0.32049						AVRG		0.30154		7.38417
70 2,4,5-Trichlorphenol	0.30873	0.31519	0.31033	0.33466	0.33251	0.34219					
	0.35642						AVRG		0.32858		5.44352
71 2-Chloronaphthalene	1.13679	1.10936	1.09095	1.10163	1.12392	1.12218					
	1.12484						AVRG		1.11567		1.41168

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
73 2-Nitroaniline	0.35833	0.35844	0.35723	0.39105	0.39726	0.40598					
	0.39985						AVRG		0.38116		5.79967
76 Dimethylphthalate	1.25306	1.26620	1.26918	1.31989	1.29348	1.32602					
	1.31308						AVRG		1.29156		2.25357
77 Acenaphthylene	1.82849	1.93218	1.92367	2.00150	1.96882	2.02286					
	2.03043						AVRG		1.95828		3.61566
79 2,6-Dinitrotoluene	0.25117	0.27195	0.27861	0.30390	0.29808	0.30841					
	0.31005						AVRG		0.28888		7.68104
80 3-Nitroaniline	0.35512	0.37403	0.37160	0.38883	0.39955	0.39276					
	0.39882						AVRG		0.38296		4.31846
81 Acenaphthene	1.21385	1.26369	1.23185	1.25365	1.24508	1.25557					
	1.26333						AVRG		1.24672		1.46237
82 2,4-Dinitrophenol	3066	7808	19504	58321	98584	196121					
	226471						QUAD	0.06817	5.63982	-0.99418	0.99933

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	160.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
83 Dibenzofuran	1.64751	1.63735	1.61938	1.66053	1.65279	1.64898	1.65111	AVRG		1.64538		0.81370
84 4-Nitrophenol	0.14764	0.16735	0.16748	0.18141	0.17084	0.18103	0.18039	AVRG		0.17088		7.04062
86 2,4-Dinitrotoluene	0.33434	0.35645	0.36707	0.41360	0.40454	0.41333	0.42263	AVRG		0.38742		8.86723
91 Fluorene	1.29343	1.36101	1.33937	1.37726	1.35126	1.37156	1.34937	AVRG		1.34904		2.06093
92 Diethylphthalate	1.40422	1.34275	1.30040	1.37771	1.34457	1.35434	1.35208	AVRG		1.35372		2.36989
93 4-Chlorophenyl-phenylether	0.56372	0.56547	0.54356	0.56707	0.55320	0.54375	0.54015	AVRG		0.55385		2.08891
94 4-Nitroaniline	0.33600	0.34650	0.36880	0.40047	0.40300	0.39022	0.40361	AVRG		0.37837		7.45545

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
97 4,6-Dinitro-2-methylphenol	3873	9956	23755	72789	120703	236110					
	272263						LINR	0.11602	0.15901		0.99754
98 N-Nitrosodiphenylamine	0.63329	0.64394	0.61161	0.62470	0.61303	0.63481					
	0.62213						AVRG		0.62622		1.89406
100 Azobenzene	0.85141	0.86535	0.86960	0.91029	0.89589	0.90641					
	0.88648						AVRG		0.88363		2.51238
101 4-Bromophenyl-phenylether	0.18167	0.19743	0.18779	0.18956	0.18908	0.20302					
	0.19475						AVRG		0.19190		3.66766
108 Hexachlorobenzene	0.20429	0.21624	0.20371	0.20680	0.20359	0.21391					
	0.20357						AVRG		0.20744		2.59081
110 Pentachlorophenol	0.10680	0.11478	0.11400	0.13968	0.13362	0.14680					
	0.14381						AVRG		0.12850		12.66814
114 Phenanthrene	1.21917	1.28019	1.23623	1.27426	1.22593	1.27878					
	1.25159						AVRG		1.25231		2.06531

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	160.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
115 Anthracene	1.19986	1.22604	1.26048	1.29165	1.25985	1.30813						
	1.27499							AVRG		1.26014		2.95384
118 Carbazole	1.11142	1.16563	1.17347	1.21035	1.15248	1.23437						
	1.19503							AVRG		1.17754		3.42691
120 Di-n-Butylphthalate	1.26476	1.32448	1.35483	1.47670	1.44506	1.57000						
	1.54551							AVRG		1.42590		8.06364
126 Fluoranthene	1.04236	1.08537	1.09172	1.16724	1.13207	1.20258						
	1.20117							AVRG		1.13179		5.45124
127 Benzidine	0.69817	0.76119	0.80297	0.86970	0.87146	0.89384						
	0.89528							AVRG		0.82752		9.15455
128 Pyrene	1.23262	1.23070	1.23452	1.22497	1.26083	1.28201						
	1.22735							AVRG		1.24186		1.71815
134 3,3'-dimethylbenzidine	0.57772	0.64215	0.66259	0.74301	0.75852	0.80421						
	0.78143							AVRG		0.70995		11.75275

TestAmerica West Sacramento

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Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
136 Butylbenzylphthalate	0.57636	0.61494	0.61715	0.65104	0.67065	0.69536					
	0.67292						AVRG		0.64263		6.46643
138 Benzo(a)Anthracene	1.02578	1.03592	1.01657	1.06052	1.07060	1.10187					
	1.09142						AVRG		1.05752		3.09964
139 Chrysene	1.10828	1.10275	1.09588	1.08047	1.08291	1.10189					
	1.08629						AVRG		1.09407		0.99562
140 3,3'-Dichlorobenzidine	0.34437	0.35896	0.37783	0.38688	0.39907	0.41490					
	0.40880						AVRG		0.38440		6.74998
141 bis(2-ethylhexyl)Phthalate	0.80275	0.83360	0.84293	0.91147	0.92714	0.96751					
	0.93353						AVRG		0.88842		6.92857
142 Di-n-octylphthalate	1.19625	1.26236	1.33214	1.49733	1.51669	1.60486					
	1.59168						AVRG		1.42876		11.46770
144 Benzo(b)fluoranthene	0.82394	0.85542	0.87764	1.00967	0.97702	1.06991					
	1.03354						AVRG		0.94959		10.14841

TestAmerica West Sacramento

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Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
145 Benzo(k)fluoranthene	1.10523	1.11747	1.13186	1.13692	1.14940	1.08128					
	1.07143						AVRG		1.11337		2.60990
147 Benzo(e)pyrene	0.89074	0.89331	0.91987	0.97134	0.96980	0.97720					
	0.96791						AVRG		0.94145		4.12057
148 Benzo(a)pyrene	0.96908	0.96755	1.06225	1.07871	1.06051	1.06993					
	1.06599						AVRG		1.03915		4.69115
151 Indeno(1,2,3-cd)pyrene	0.80528	0.84741	0.85139	0.86155	0.91630	0.96289					
	0.93854						AVRG		0.88334		6.42770
152 Dibenzo(a,h)anthracene	0.84857	0.90123	0.88328	0.97213	0.97721	1.00284					
	1.01355						AVRG		0.94269		6.82071
153 Benzo(g,h,i)perylene	0.96218	0.96959	0.99765	1.02417	1.00535	1.04742					
	1.03951						AVRG		1.00655		3.26538
M 162 benzo b,k Fluoranthene Totals	1.92917	1.97288	2.00950	2.14659	2.12642	2.15118					
	2.10498						AVRG		2.06296		4.40028

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
$ 7 2-Fluorophenol	1.40317	1.45900	1.48286	1.46235	1.47525	1.54271					
	1.52928						AVRG		1.47923		3.15195
$ 8 Phenol-d5	1.78725	1.79144	1.93724	1.91160	1.93287	1.97426					
	1.92848						AVRG		1.89473		3.92785
$ 9 2-Chlorophenol-d4	1.54693	1.59756	1.59947	1.57623	1.59928	1.63928					
	1.62816						AVRG		1.59813		1.92838
$ 10 1,2-Dichlorobenzene-d4	1.01330	1.02117	1.02138	0.95559	0.97692	0.98921					
	0.98261						AVRG		0.99431		2.52409
$ 11 Nitrobenzene-d5	0.34282	0.35237	0.35099	0.35695	0.36256	0.36828					
	0.36495						AVRG		0.35699		2.50560
$ 12 2-Fluorobiphenyl	1.26620	1.29361	1.24047	1.23528	1.25165	1.28600					
	1.28839						AVRG		1.26594		1.89831
$ 13 2,4,6-Tribromophenol	0.13339	0.14298	0.14607	0.16910	0.16641	0.17037					
	0.16706						AVRG		0.15648		9.71493

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
$ 14 Terphenyl-d14	0.76318	0.78543	0.75391	0.76156	0.78639	0.79768					
	0.76957						AVRG		0.77396		2.07014

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit : 24-Aug-2010 16:38 scotts

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Signal Calibration Report

Method : \\Sv5\C\chem\sv5.i\082310B.B\8270f.m
Last Edit: 24-Aug-2010 16:38 scotts
Compound : 82 2,4-Dinitrophenol
Mass: 184.00
Istd Compound: * 3 Acenaphthene-d10

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/m1
m1 = 0.16393103600000
RSD: 20.161

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	7.811	5.00000	3066	7.718	40.000	207096	0.11843782593580
2	7.811	10.00000	7808	7.718	40.000	244234	0.12787736351204
3	7.811	20.00000	19504	7.718	40.000	263989	0.14776373257977
4	7.822	50.00000	58321	7.718	40.000	264752	0.17622831933281
5	7.822	80.00000	98584	7.718	40.000	277616	0.17755460780358
6	7.822	120.00000	196121	7.718	40.000	330719	0.19767133629053
7	7.822	160.00000	226471	7.718	40.000	280308	0.20198406752572

Lvl	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823A
2	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823B
3	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823C
4	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D
5	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823E
6	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823F
7	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor

1	7.822	50.000	66513	7.718	40.000	295770	0.17990465564459
2	7.822	50.000	58901	7.718	40.000	274779	0.17148617616339
3	7.822	50.000	58321	7.718	40.000	264752	0.17622831933281
4	7.816	50.000	90734	7.713	40.000	414154	0.17526620532459
5	7.858	50.000	49564	7.754	40.000	260934	0.15195873285965
6	7.858	50.000	63475	7.754	40.000	318667	0.15935129774969
7	7.889	50.000	58884	7.785	40.000	318462	0.14792094504211
8	7.889	50.000	52456	7.796	40.000	304639	0.13775255302177
9	7.889	50.000	44855	7.796	40.000	283970	0.12636546114026
10	7.889	50.000	40711	7.785	40.000	264293	0.12322990014870
Avg	7.855	50.000	58441	7.754	40.000	26429	0.15494642464276

Ind	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823
2	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823H
3	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D
4	1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A
5	1_8270STD	\\SV5\C\chem\sv5.i\082010.B\HSL0820
6	1_8270STD	\\sv5\c\chem\sv5.i\082010.B\QC001
7	1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A
8	1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818
9	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D
10	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H

Report Date: 24-Aug-2010 13:22

Calibration History

Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Start Cal Date: 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-AUG-2010 21:45	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817A.D
23-AUG-2010 16:40	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823A.D
Cal Level: 2 , Cal Amount: 10.00000		
17-AUG-2010 22:11	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817B.D
23-AUG-2010 17:06	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823B.D
Cal Level: 3 , Cal Amount: 20.00000		
17-AUG-2010 22:37	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817C.D
23-AUG-2010 17:32	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823C.D
Cal Level: 4 , Cal Amount: 50.00000		
17-AUG-2010 21:19	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817D.D
23-AUG-2010 16:14	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D.D
Cal Level: 5 , Cal Amount: 80.00000		
17-AUG-2010 23:03	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817E.D
23-AUG-2010 17:58	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823E.D
Cal Level: 6 , Cal Amount: 120.00000		
17-AUG-2010 23:29	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817F.D
23-AUG-2010 18:24	1_8270STD	

\\sv5\c\chem\sv5.i\082310B.B\HSL0823F.D		

Cal Level: 7 , Cal Amount: 160.00000		
17-AUG-2010 23:55	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817G.D
23-AUG-2010 18:50	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823G.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

23-AUG-2010 16:14	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D.D
23-AUG-2010 15:30	1_8270STD	\\SV5\C\chem\sv5.i\082310B.B\QC001.D
23-AUG-2010 14:51	1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A.D
20-AUG-2010 20:47	2AP9STD	\\SV5\C\chem\sv5.i\082010.B\AP90820.D
20-AUG-2010 17:37	1_8270STD	\\SV5\C\chem\sv5.i\082010.B\HSL0820.D
20-AUG-2010 16:53	1_8270STD	\\sv5\c\chem\sv5.i\082010.B\QC001.D
18-AUG-2010 21:59	1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A.D
18-AUG-2010 11:56	1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818.D
17-AUG-2010 17:32	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D.D
17-AUG-2010 21:19	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817D.D
17-AUG-2010 20:34	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H.D

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.0132185	5.000	PASS
Benzidine	0.4745010	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	291132	17.4	20.5	PASS

****
*** PASSED ***
****

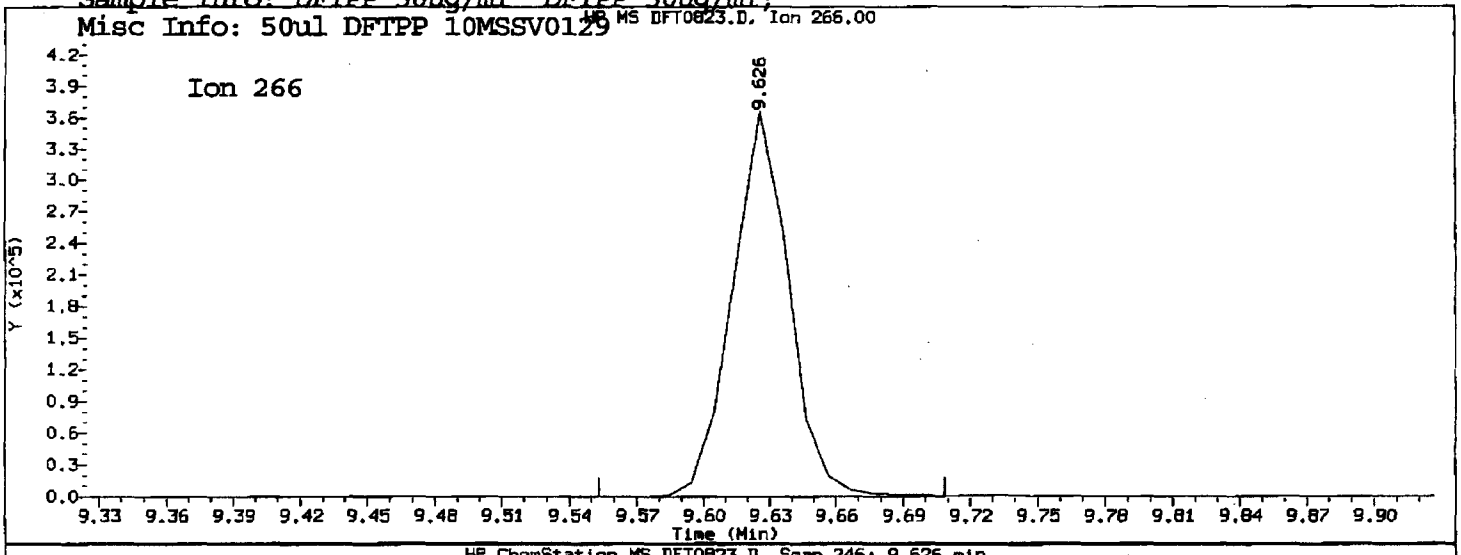
Sample //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D

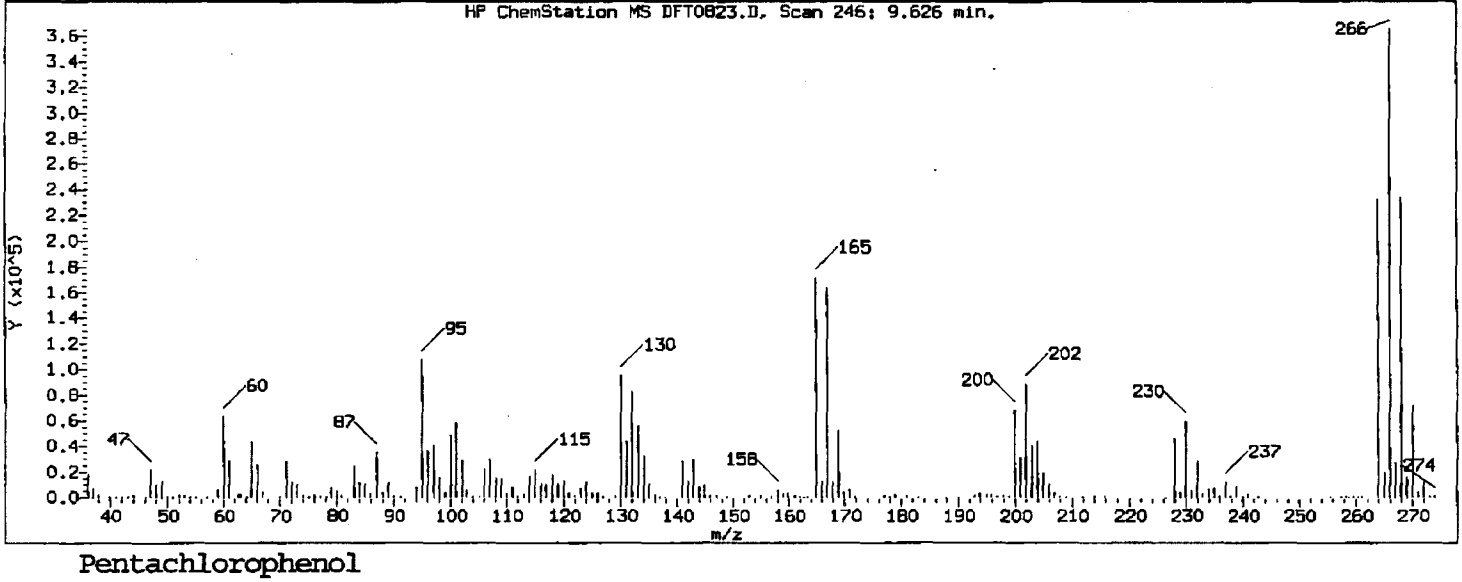
8/24/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 08/23/2010 16:11

Datafile Analyzed: //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D
Method Used: \\SV5\C\chem\sv5.i\082310B.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 23-AUG-2010 15:53 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Pentachlorophenol
==========
Exp. RT = 9.771
Found RT = 9.626

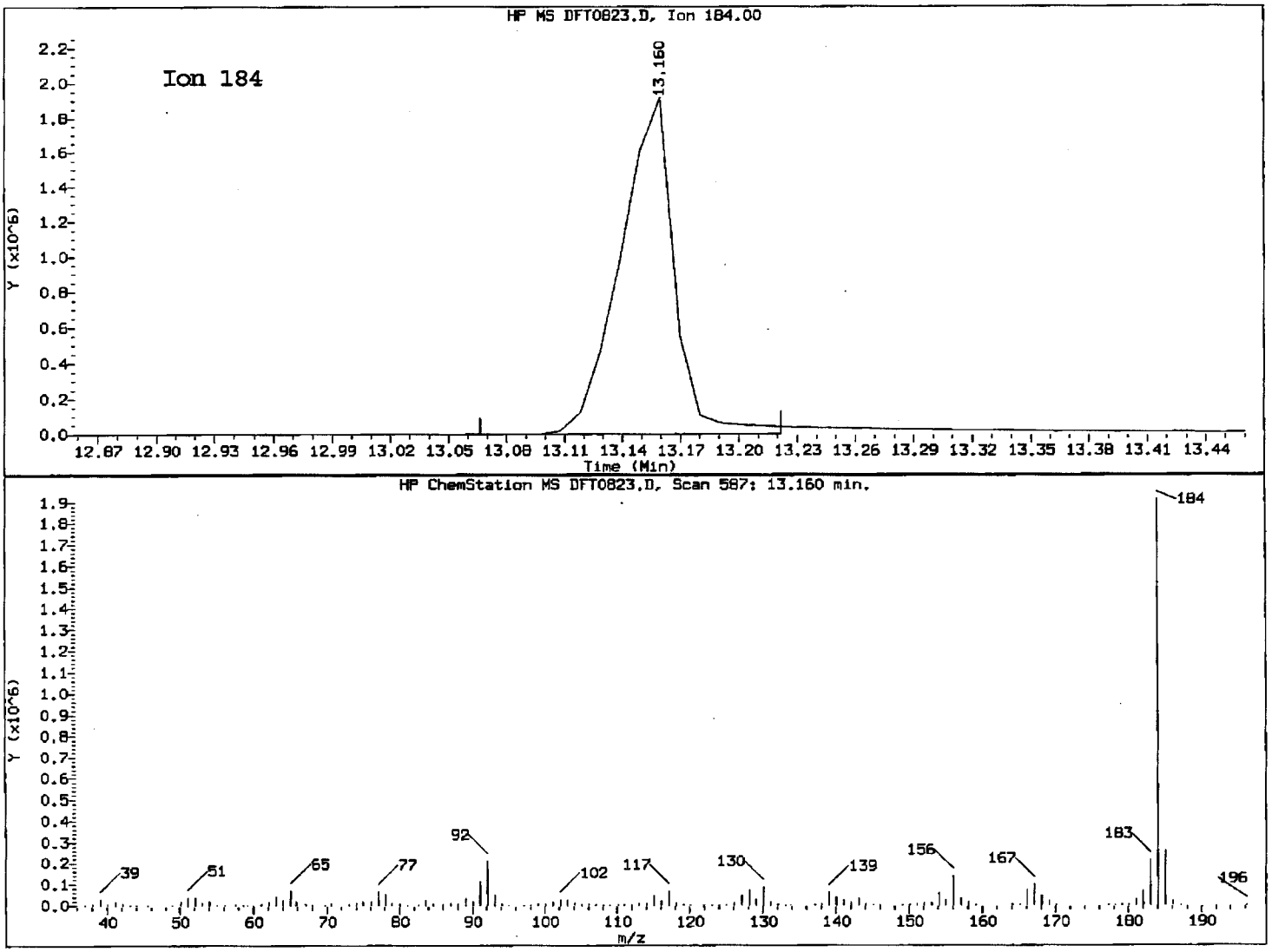
Time1 = 9.598356 Time2 = 9.625783 Time3 = 9.653574
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 1.013 Maximum Allowed = 5.0

Report Date: 08/23/2010 16:11

Datafile Analyzed: //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D
Method Used: \\SV5\C\chem\sv5.i\082310B.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 23-AUG-2010 15:53 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
Exp. RT = 13.315
Found RT = 13.160

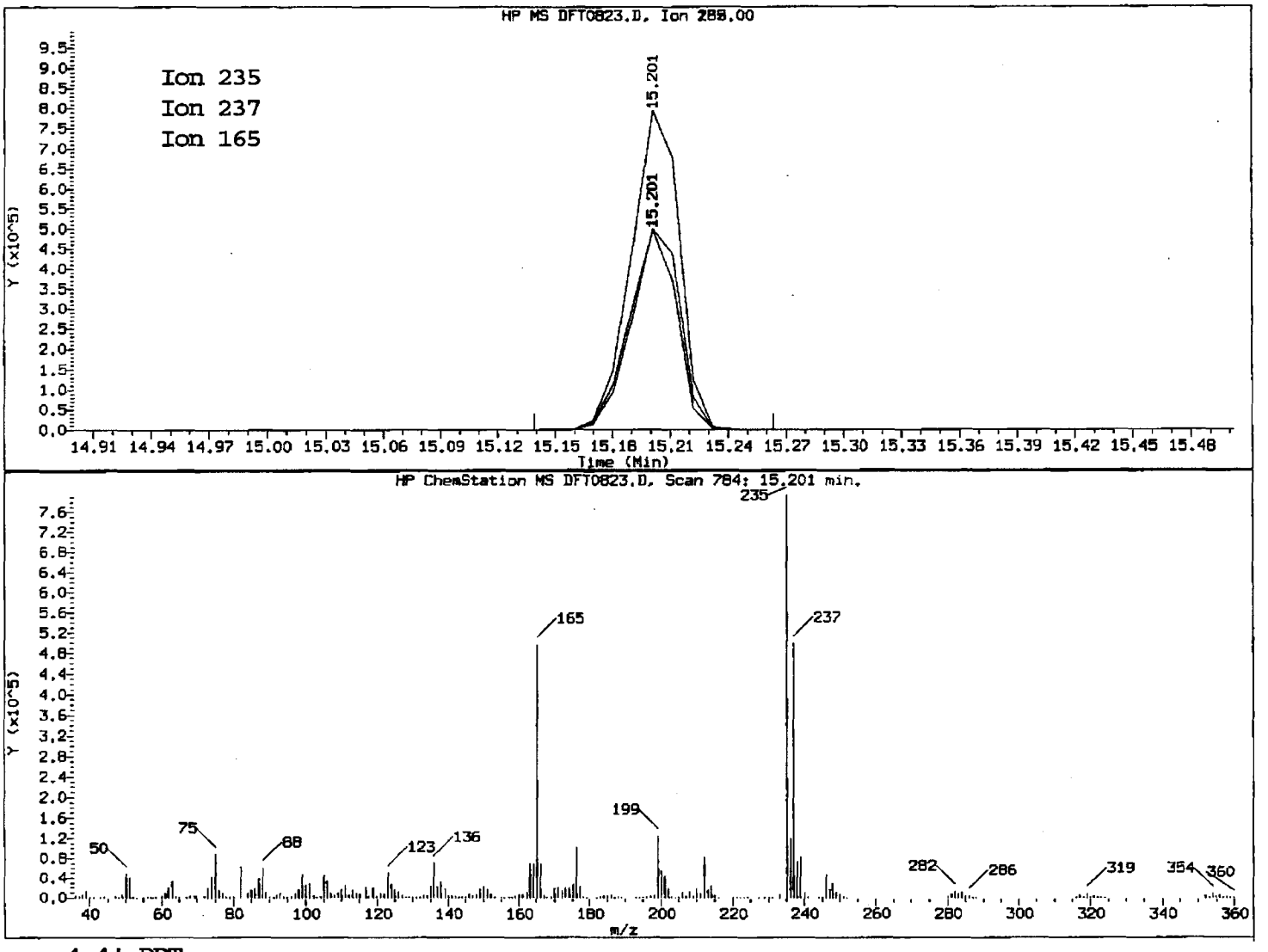
Time1 = 13.12013 Time2 = 13.15958 Time3 = 13.1783
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.475 Maximum Allowed = 3.0

Report Date: 08/23/2010 16:11

Datafile Analyzed: //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D
Method Used: \\SV5\C\chem\sv5.i\082310B.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 23-AUG-2010 15:53 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

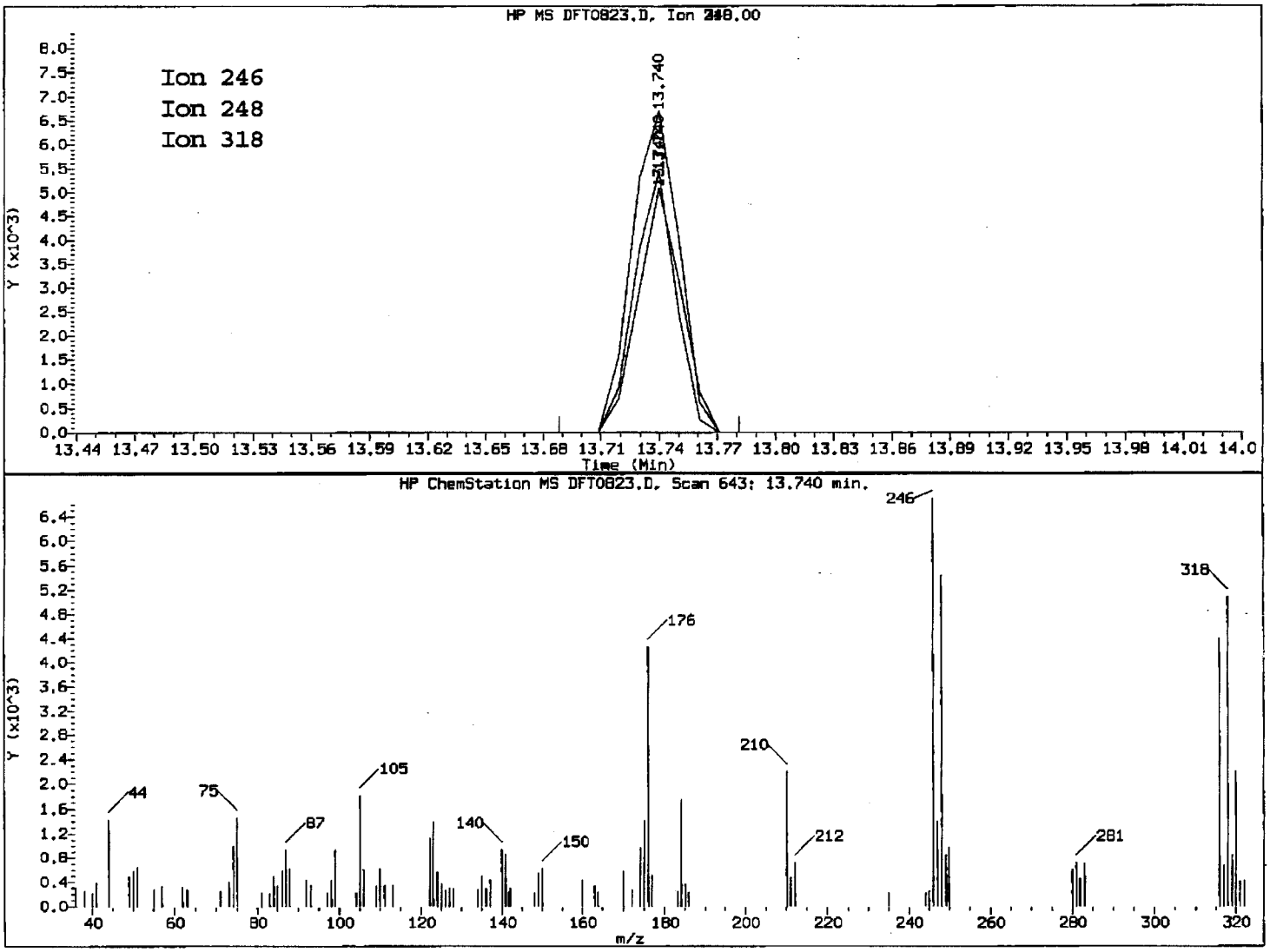


4,4'-DDT
========
Exp. RT = 15.357
Found RT = 15.201

Mass	Area	Ratio
235	1385762	100.00
237	878311	63.38
165	847985	61.19

Report Date: 08/23/2010 16:11

Datafile Analyzed: //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D
Method Used: \\SV5\C\chem\sv5.i\082310B.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 23-AUG-2010 15:53 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

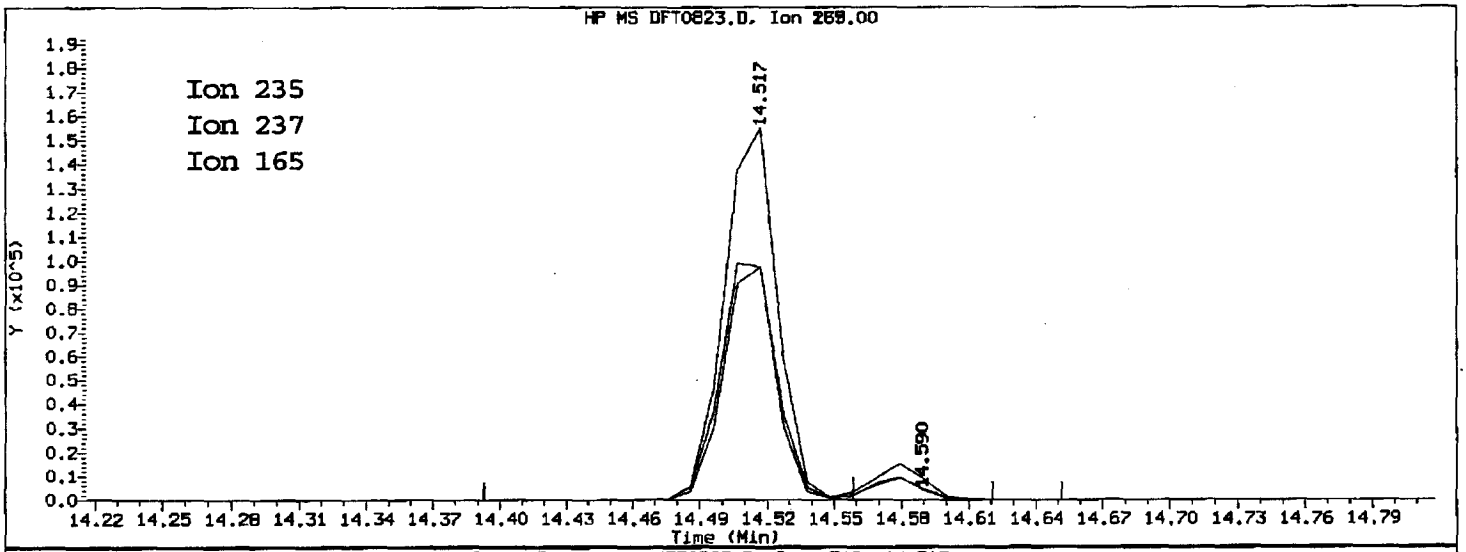


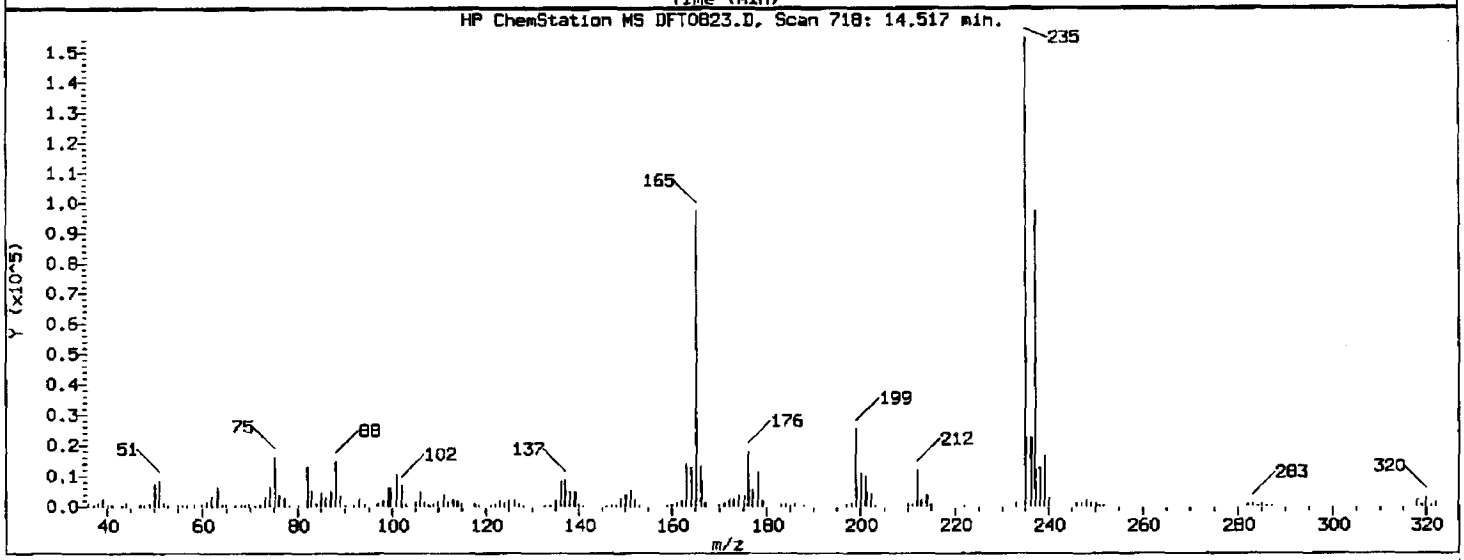
4,4'-DDE
========
Exp. RT = 13.875
Found RT = 13.740

Mass	Area	Ratio
246	11269	100.00
248	7978	70.80
318	7894	70.06

Report Date: 08/23/2010 16:11

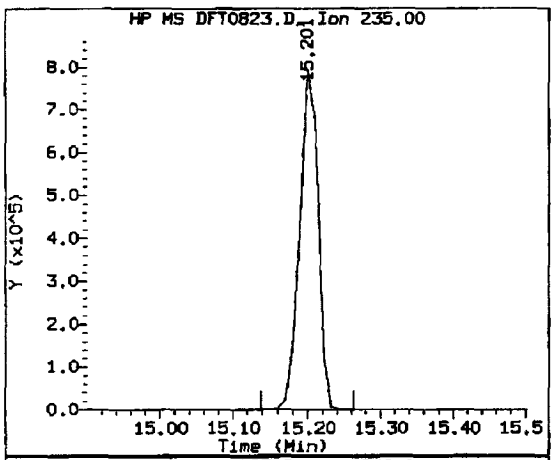
Datafile Analyzed: //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D
Method Used: \\SV5\C\chem\sv5.i\082310B.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 23-AUG-2010 15:53 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



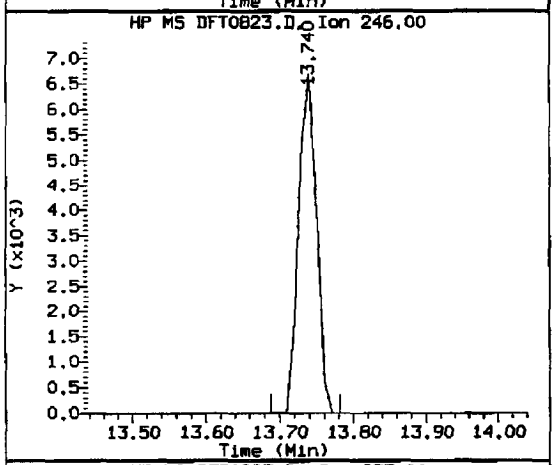


4,4'-DDD
========
Exp. RT = 14.652
Found RT = 14.517

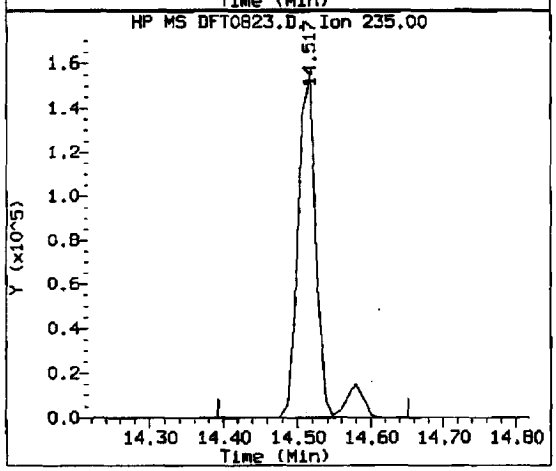
Mass	Area	Ratio
235	279863	100.00
237	14389	5.14
165	14503	5.18



Compound: 4,4'-DDT
Quant Mass: 235
RT: 15.201
Area: 1385762



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.740
Area: 11269



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.517
Area: 279863

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	291132	17.4	20.5	PASS

TestAmerica WestSacramento

Data file : \\sv5\c\chem\sv5.i\082310B.B\DFT0823.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 23-AUG-2010 15:53
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\082310B.B\DFTPP.m
Meth Date : 17-Aug-2010 14:10 scotts Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 91 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
11.076	11.201	(0.000)	198	565824			0.00- 100.00	97.57
11.076	11.201	(0.000)	51	258112			30.00- 80.00	45.62
11.076	11.201	(0.000)	68	3325			0.00- 2.00	1.55
11.076	11.201	(0.000)	69	214592			0.00- 0.00	37.93
11.076	11.201	(0.000)	70	1011			0.00- 2.00	0.47
11.076	11.201	(0.000)	127	296832			25.00- 75.00	52.46
11.076	11.201	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
11.076	11.201	(0.000)	199	35776			5.00- 9.00	6.32
11.076	11.201	(0.000)	275	130800			10.00- 30.00	23.12
11.076	11.201	(0.000)	365	18712			0.75- 0.00	3.31
11.076	11.201	(0.000)	441	86976			0.01- 99.99	79.39
11.076	11.201	(0.000)	442	579904			40.00- 110.00	102.49
11.076	11.201	(0.000)	443	109560			15.00- 24.00	18.89

Data File: \\sv5\c\chem\sv5.i\082310B.B\DFT0823.D

Date : 23-AUG-2010 15:53

Client ID:

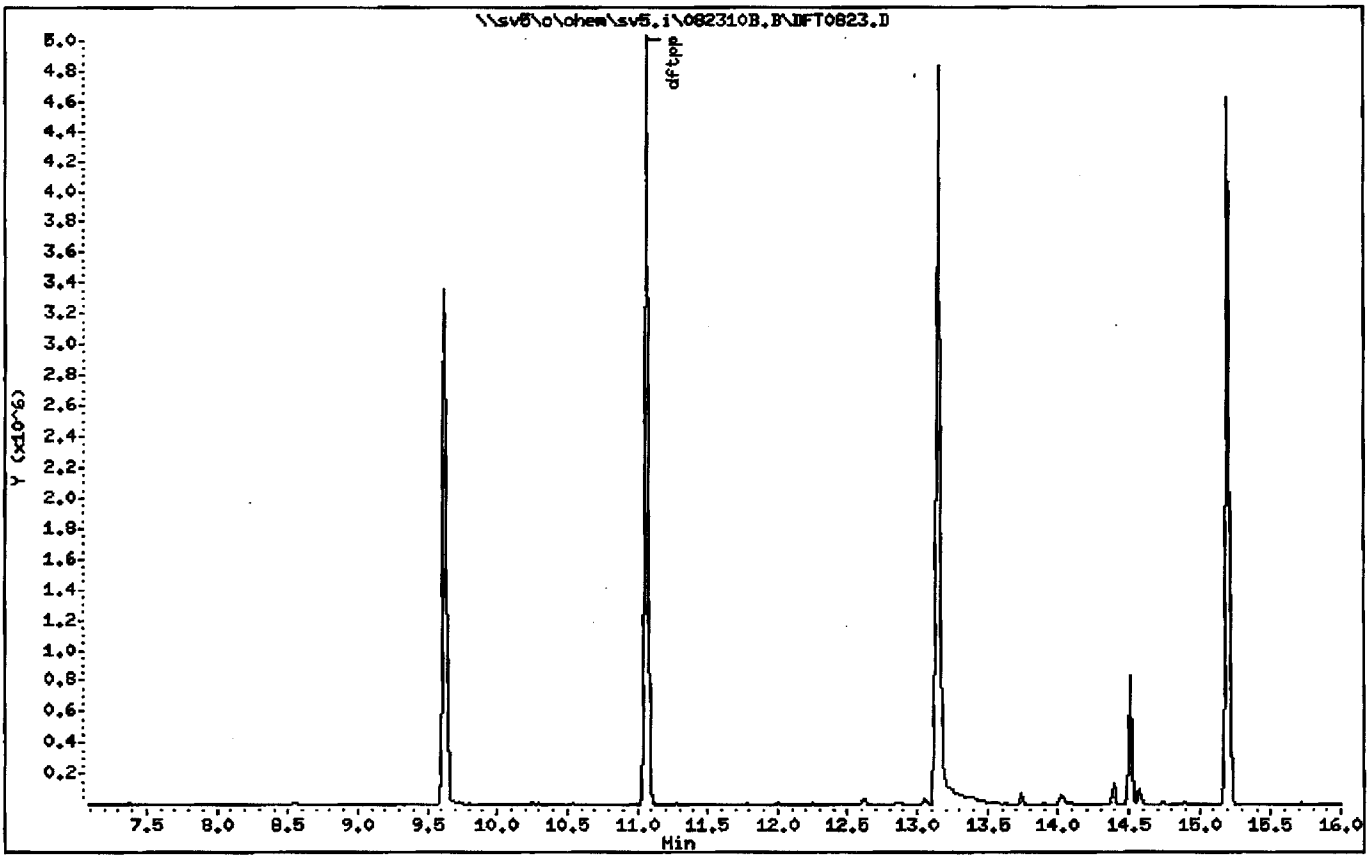
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\sv5\c\chem\sv5.i\082310B.B\DFT0823.D

Date : 23-AUG-2010 15:53

Client ID:

Instrument: sv5.i

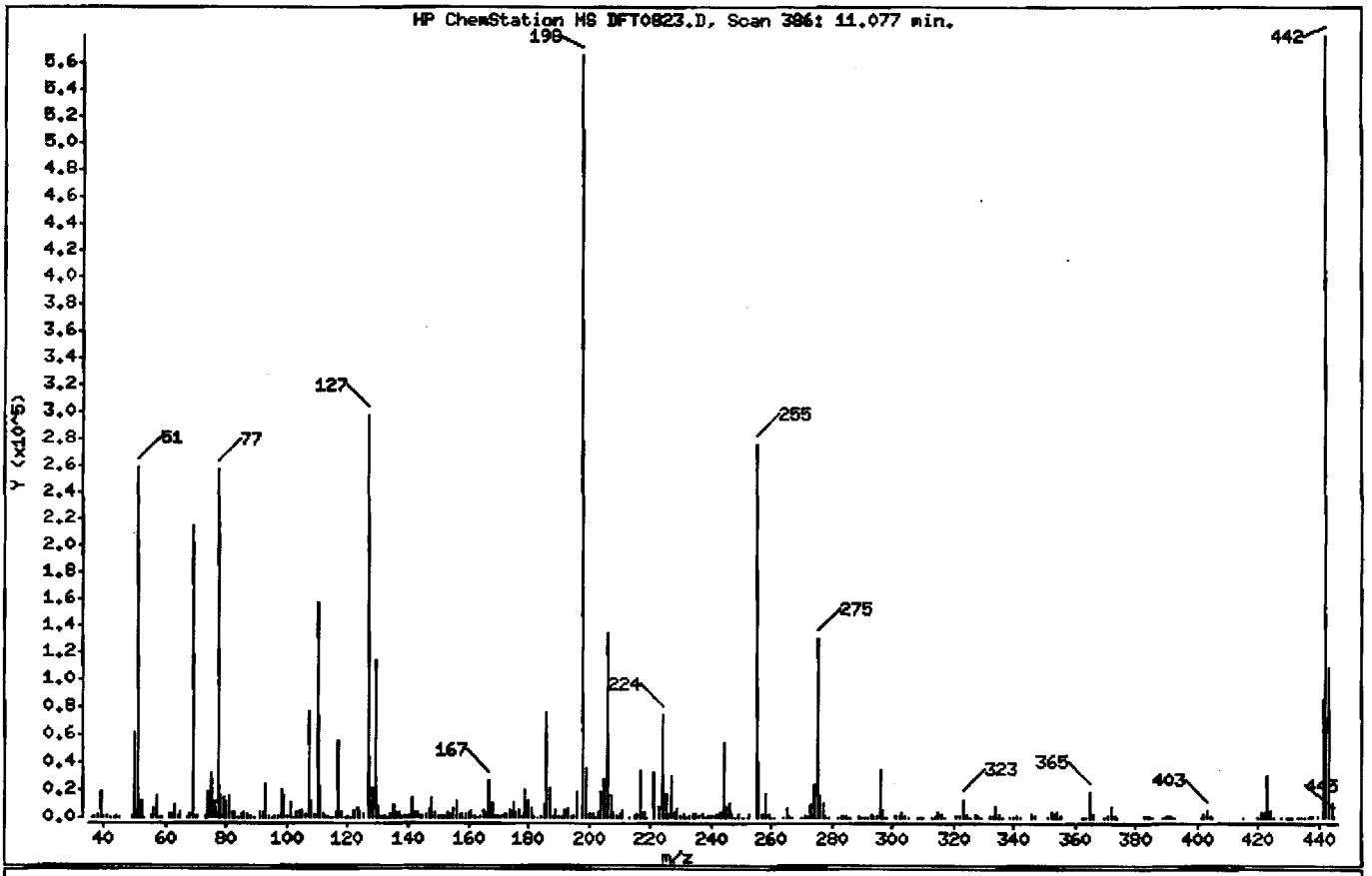
Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	45.62
68	Less than 2.00% of mass 69	0.69 (1.55)
69	Mass 69 relative abundance	37.93
70	Less than 2.00% of mass 69	0.18 (0.47)
127	25.00 - 75.00% of mass 198	52.46
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.32
275	10.00 - 30.00% of mass 198	23.12
365	Greater than 0.75% of mass 198	3.31
441	Present, but less than mass 443	15.37
442	40.00 - 110.00% of mass 198	102.49
443	15.00 - 24.00% of mass 442	19.36 (18.89)

Data File: \\sv5\c\chem\sv5.i\082310B.B\DFT0823.D

Date : 23-AUG-2010 15:53

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT0823.D
Spectrum: HP ChemStation MS DFT0823.D, Scan 386: 11.077 min.
Location of Maximum: 442.00
Number of points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	395	128.10	21664	211.10	5563	310.10	612
37.00	698	129.00	114328	213.10	446	313.10	400
38.00	2559	130.00	8455	215.10	1555	314.00	1633
39.10	18040	131.00	1380	216.00	2763	315.00	4369
40.00	1021	132.00	764	217.00	34232	316.00	2372
41.10	887	132.70	505	218.00	3859	317.10	473
42.00	206	134.00	2664	219.00	373	321.00	1388
43.10	325	135.00	9182	221.10	33248	322.10	1081
44.00	911	136.00	3578	223.00	8572	323.10	13011
45.00	273	137.00	4603	224.10	75136	324.10	2495
49.10	1869	137.70	729	225.10	16712	325.10	203
50.10	60816	139.00	828	226.10	2009	325.90	428
51.10	258112	140.00	1509	227.00	30752	327.00	2183
52.10	12588	141.00	14299	228.10	4165	328.00	1285
53.10	584	142.00	4637	229.00	6225	329.20	256
55.00	1386	143.00	3397	230.10	1056	332.00	970
56.00	6366	144.00	825	231.00	2886	333.00	1150
57.00	16244	145.00	1124	232.00	383	334.10	8526
58.10	651	146.00	2627	233.10	710	335.00	2373
59.00	277	147.00	6455	234.00	2007	336.00	272
61.00	2616	148.00	14957	235.00	2024	338.90	251
62.00	3003	149.00	3841	236.10	1484	340.00	273
63.10	9068	150.10	851	237.00	2467	341.10	1590
64.00	1229	151.10	1870	238.00	378	342.10	404
65.10	4379	152.10	937	239.00	1270	346.00	2556
67.20	292	153.10	4462	240.00	1085	347.00	689
68.00	3325	154.00	2940	241.10	1674	351.00	383
69.00	214592	155.10	7249	242.00	3075	352.10	4088
70.00	1011	156.10	11592	243.10	3748	353.10	2915
73.10	1476	157.10	2518	244.10	54480	354.10	4316
74.00	18800	157.90	2442	245.10	8272	355.10	838
75.00	31776	159.10	2272	246.10	10017	362.30	228
76.10	11936	160.00	4295	247.00	2062	362.90	209
77.10	256832	161.00	5788	247.90	469	363.80	364
78.10	15473	162.10	1648	249.00	2296	365.00	18712

Date : 23-AUG-2010 15:53

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT0823.D
Spectrum: HP ChemStation MS DFT0823.D, Scan 386: 11.077 min.
Location of Maximum: 442.00
Number of points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	14470	163.00	386	250.20	568	366.00	2172
80.00	11570	164.00	1015	251.00	625	369.90	347
81.00	16007	165.00	4997	252.00	554	371.10	1281
82.00	4047	166.10	4120	253.00	2062	372.10	7448
83.00	4205	167.10	27120	255.00	276032	373.00	1781
84.00	610	168.00	11313	256.00	39528	374.10	310
85.00	2698	169.00	1815	257.00	3306	383.00	1607
86.00	4371	170.10	865	258.00	16952	384.00	765
87.00	2386	171.00	983	259.00	2790	385.00	354
88.10	778	172.00	2515	260.10	601	388.90	222
89.00	313	173.00	2882	261.00	627	390.10	1213
91.00	3884	174.10	4879	264.10	601	391.00	784
92.00	3476	175.10	10661	265.00	6909	392.10	289
93.00	24256	176.00	3906	266.10	1092	401.00	377
94.10	1453	177.00	4868	267.00	248	402.00	3249
95.00	537	178.10	1948	270.10	434	403.00	5155
96.10	1019	179.00	20160	271.00	844	404.00	1841
96.90	708	180.10	12540	272.10	1057	405.00	389
98.00	19464	181.10	6908	273.10	9854	414.90	372
99.00	15811	182.00	1232	274.00	23392	419.70	249
100.00	1381	183.00	387	275.10	130800	421.00	4381
101.00	10382	184.00	1656	276.00	16282	422.00	3751
102.20	356	185.10	9843	277.00	11281	423.00	30960
103.00	3350	186.10	75592	278.00	1923	424.00	5463
104.00	5846	187.10	20696	279.00	405	425.00	591
105.00	5729	188.10	1965	281.90	260	427.80	262
106.00	2041	189.00	4826	283.10	1466	429.30	355
107.00	77104	190.00	853	284.00	854	430.00	251
108.00	11537	191.00	1665	285.00	1904	430.60	434
109.00	2094	192.00	5956	286.10	352	431.30	227
110.00	156928	193.10	6678	289.00	741	432.70	293
111.00	22480	194.00	1731	290.00	532	433.30	348
112.00	2449	195.10	1055	291.10	277	434.10	436
113.00	904	196.00	18736	291.90	568	435.10	453
114.10	251	198.00	565824	293.10	2231	435.60	550

Date : 23-AUG-2010 15:53

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT0823.D
Spectrum: HP ChemStation MS DFT0823.D, Scan 396: 11.077 min.
Location of Maximum: 442.00
Number of points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	577	199.00	35776	294.00	850	436.20	547
116.00	4000	200.00	2901	295.00	964	436.60	510
117.00	55864	201.50	3153	296.00	35192	437.20	690
118.00	3531	202.20	632	297.00	4712	437.80	981
119.10	513	203.10	3715	298.00	391	439.30	835
120.00	774	204.10	19024	301.10	669	439.70	889
121.00	386	205.10	28656	302.00	882	441.00	86976
122.00	5122	206.10	134336	303.10	4653	442.00	579904
123.00	7261	207.10	16145	304.10	1548	443.00	109560
124.00	4149	208.00	4097	305.10	274	444.00	10242
125.00	3296	209.00	1191	308.00	572	445.00	684
127.00	296832	210.10	2158	309.10	315		

TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 16:40
Operator : KT Inst ID: sv5.i
Smp Info : HSL_005 ug/ml CS-1;1;;1;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 16:08 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:45 Cal File: AP90817A.D
Als bottle: 92 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	91148	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	397203	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	207096	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	320757	40.0000	
* 5	Chrysene-d12	240	14.122	14.122	(1.000)	307293	40.0000	
* 6	Perylene-d12	264	16.516	16.516	(1.000)	324529	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	15987	5.00000	4.743
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	20363	5.00000	4.716
$ 9	2-Chlorophenol-d4	132	3.977	3.977	(0.950)	17625	5.00000	4.840
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	11545	5.00000	5.095
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	17021	5.00000	4.802(M)
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	32778	5.00000	5.001(M)
$ 13	2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	3453	5.00000	4.262
$ 14	Terphenyl-d14	244	12.340	12.340	(0.874)	29315	5.00000	4.930
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	11039	5.00000	4.758
16	Pyridine	79	1.966	1.966	(0.470)	19854	5.00000	5.165
23	Aniline	93	3.883	3.883	(0.928)	25614	5.00000	4.738
24	Phenol	94	3.831	3.831	(0.916)	21490	5.00000	4.729
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	16784	5.00000	4.829
27	2-Chlorophenol	128	3.997	3.997	(0.955)	17412	5.00000	4.836
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	19814	5.00000	4.988
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	18980	5.00000	4.716
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	11898	5.00000	4.817
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	19252	5.00000	5.066
32	2-Methylphenol	108	4.474	4.474	(1.069)	15756	5.00000	4.644
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	32447	5.00000	4.900
34	4-Methylphenol	108	4.629	4.629	(1.106)	16316	5.00000	4.517
36	Hexachloroethane	117	4.733	4.733	(1.131)	7068	5.00000	4.986
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	12484	5.00000	4.911
42	Nitrobenzene	77	4.837	4.837	(0.863)	17983	5.00000	5.090
44	Isophorone	82	5.096	5.096	(0.909)	32841	5.00000	4.897
45	2-Nitrophenol	139	5.199	5.199	(0.928)	8465	5.00000	4.455
46	2,4-Dimethyphenol	107	5.230	5.230	(0.933)	17379	5.00000	4.880

jpc 8/24/10

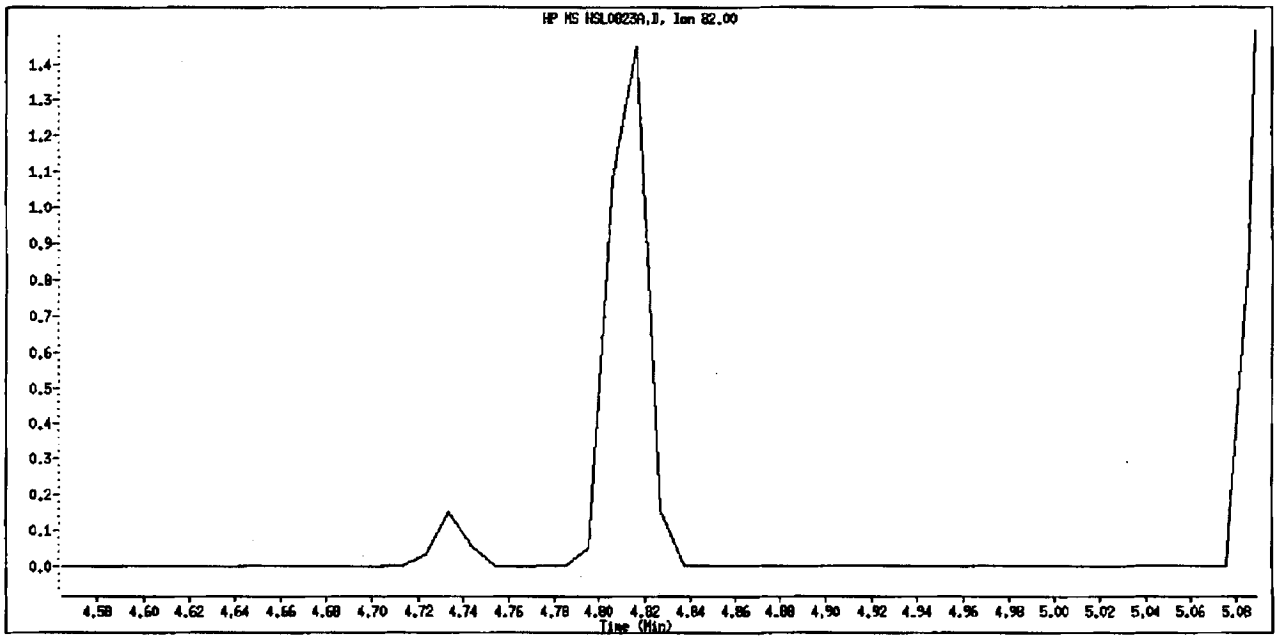
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	18999	5.00000	4.768
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	12803	5.00000	4.932
50	Benzoic Acid	122	5.282	5.282	(0.943)	8004	5.00000	6.346
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	14409	5.00000	5.127
52	Naphthalene	128	5.624	5.624	(1.004)	55807	5.00000	5.048 (M)
54	4-Chloroaniline	127	5.718	5.718	(1.020)	21627	5.00000	5.503 (M)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	6814	5.00000	5.116
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	14034	5.00000	4.652
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	32784	5.00000	4.858
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	7599	5.00000	4.789
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	6648	5.00000	4.258 (M)
70	2,4,5-Trichlorphenol	196	6.847	6.847	(0.887)	7992	5.00000	4.698 (M)
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	29428	5.00000	5.095
73	2-Nitroaniline	65	7.179	7.179	(0.930)	9276	5.00000	4.700
76	Dimethylphthalate	163	7.459	7.459	(0.966)	32438	5.00000	4.851
77	Acenaphthylene	152	7.521	7.521	(0.974)	47334	5.00000	4.669
79	2,6-Dinitrotoluene	165	7.531	7.531	(0.976)	6502	5.00000	4.347 (M)
80	3-Nitroaniline	138	7.687	7.687	(0.996)	9193	5.00000	4.636
81	Acenaphthene	153	7.749	7.749	(1.004)	31423	5.00000	4.868
82	2,4-Dinitrophenol	184	7.811	7.811	(1.012)	3066	5.00000	6.058 (M)
83	Dibenzofuran	168	7.946	7.946	(1.030)	42649	5.00000	5.006
84	4-Nitrophenol	109	7.894	7.894	(1.023)	3822	5.00000	4.320
86	2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	8655	5.00000	5.933
91	Fluorene	166	8.391	8.391	(1.087)	33483	5.00000	4.794
92	Diethylphthalate	149	8.350	8.350	(1.082)	36351	5.00000	5.186
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	14593	5.00000	5.089
94	4-Nitroaniline	138	8.464	8.464	(1.097)	8698	5.00000	4.440
97	4,6-Dinitro-2-methylphenol	198	8.526	8.526	(0.879)	3873	5.00000	6.074
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	29759	5.86000	5.926
100	Azobenzene	77	8.609	8.609	(0.888)	34137	5.00000	4.818
101	4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	7284	5.00000	4.733
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	8191	5.00000	4.924
110	Pentachlorophenol	266	9.521	9.521	(0.982)	4282	5.00000	4.156
114	Phenanthrene	178	9.728	9.728	(1.003)	48882	5.00000	4.868
115	Anthracene	178	9.790	9.790	(1.010)	48108	5.00000	4.761
118	Carbazole	167	10.060	10.060	(1.037)	44562	5.00000	4.719
120	Di-n-Butylphthalate	149	10.754	10.754	(1.109)	50710	5.00000	4.435
126	Fluoranthene	202	11.624	11.624	(1.199)	41793	5.00000	4.605
127	Benzidine	184	11.884	11.884	(0.841)	26818	5.00000	5.356
128	Pyrene	202	11.987	11.987	(0.849)	47347	5.00000	4.963
134	3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	22191	5.00000	5.992
136	Butylbenzylphthalate	149	13.303	13.303	(0.942)	22139	5.00000	4.484
138	Benzo(a)Anthracene	228	14.091	14.091	(0.998)	39402	5.00000	4.850
139	Chrysene	228	14.163	14.163	(1.003)	42571	5.00000	5.065
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	13228	5.00000	4.479
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	30835	5.00000	4.518
142	Di-n-octylphthalate	149	15.490	15.490	(1.097)	45950	5.00000	5.880
144	Benzo(b)fluoranthene	252	15.925	15.925	(0.964)	33424	5.00000	4.338
145	Benzo(k)fluoranthene	252	15.967	15.967	(0.967)	44835	5.00000	4.963
147	Benzo(e)pyrene	252	16.350	16.350	(0.990)	36134	5.00000	4.731
148	Benzo(a)pyrene	252	16.433	16.433	(0.995)	39312	5.00000	4.663
151	Indeno(1,2,3-cd)pyrene	276	18.257	18.257	(1.105)	32667	5.00000	4.558 (M)
152	Dibenzo(a,h)anthracene	278	18.319	18.319	(1.109)	34423	5.00000	4.501
153	Benzo(g,h,i)perylene	276	18.734	18.734	(1.134)	39032	5.00000	4.780

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				78259	5.00000	

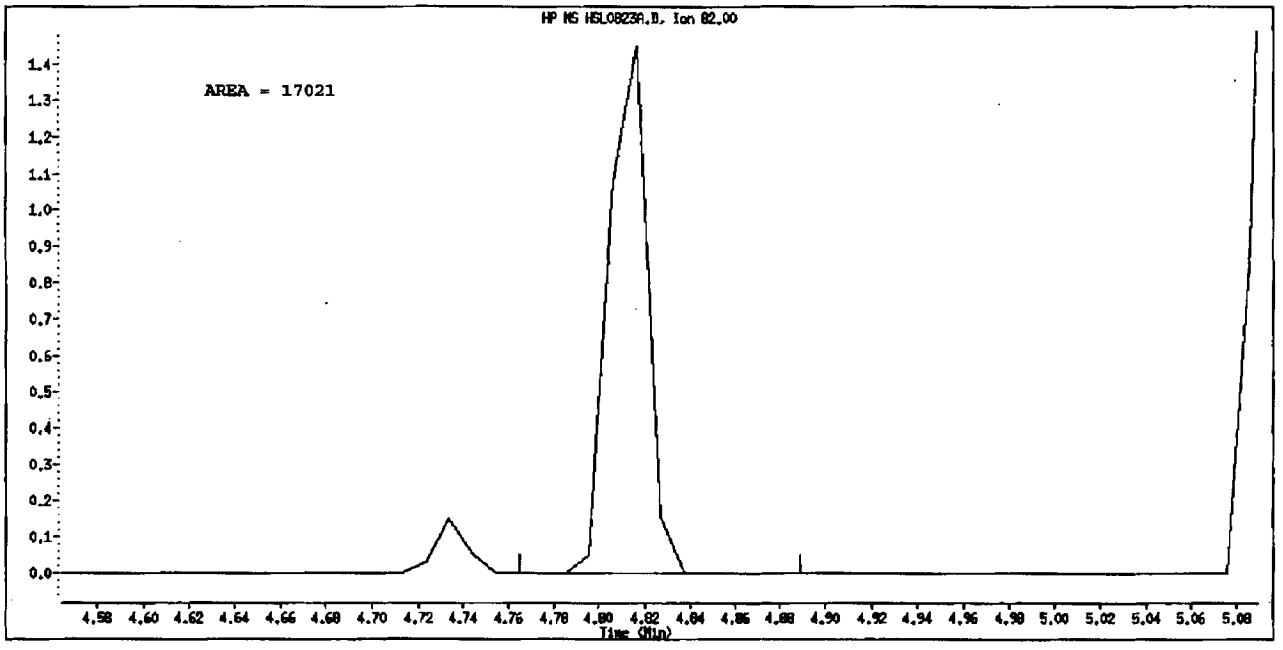
QC Flag Legend

M - Compound response manually integrated.

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 08/24/2010



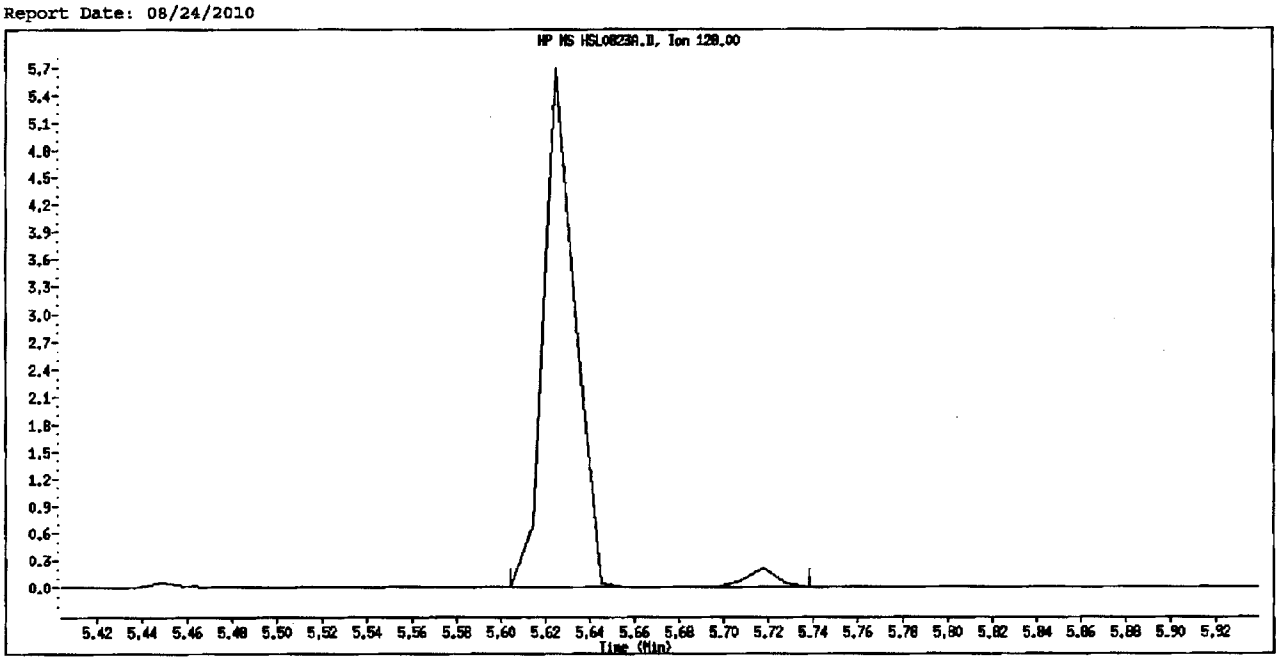
Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Peak Not Found

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Naphthalene
CAS #: 91-20-3
Report Date: 08/24/2010



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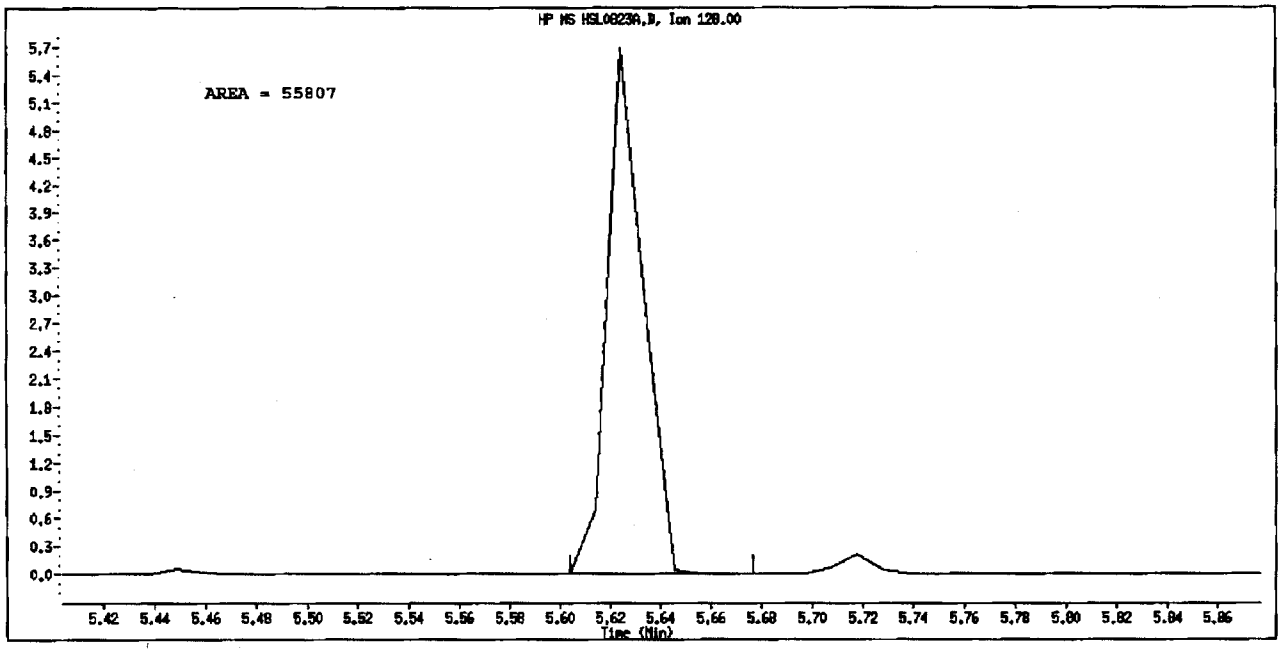

Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

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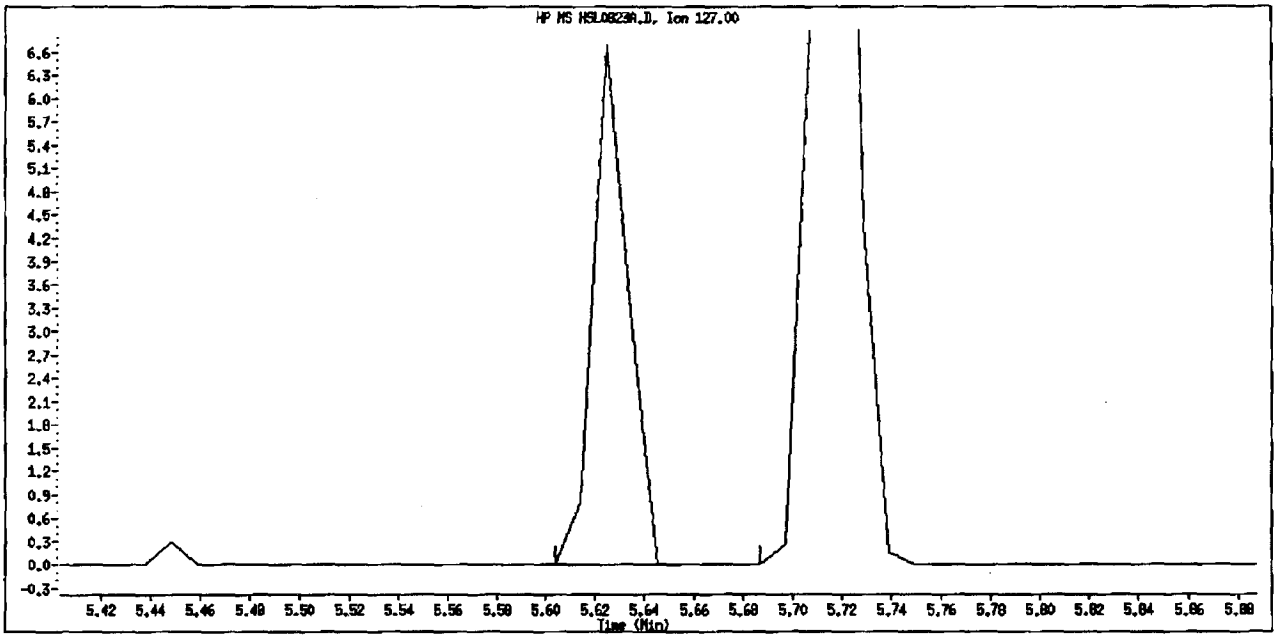
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 4-Chloroaniline
CAS #: 106-47-8
Report Date: 08/24/2010



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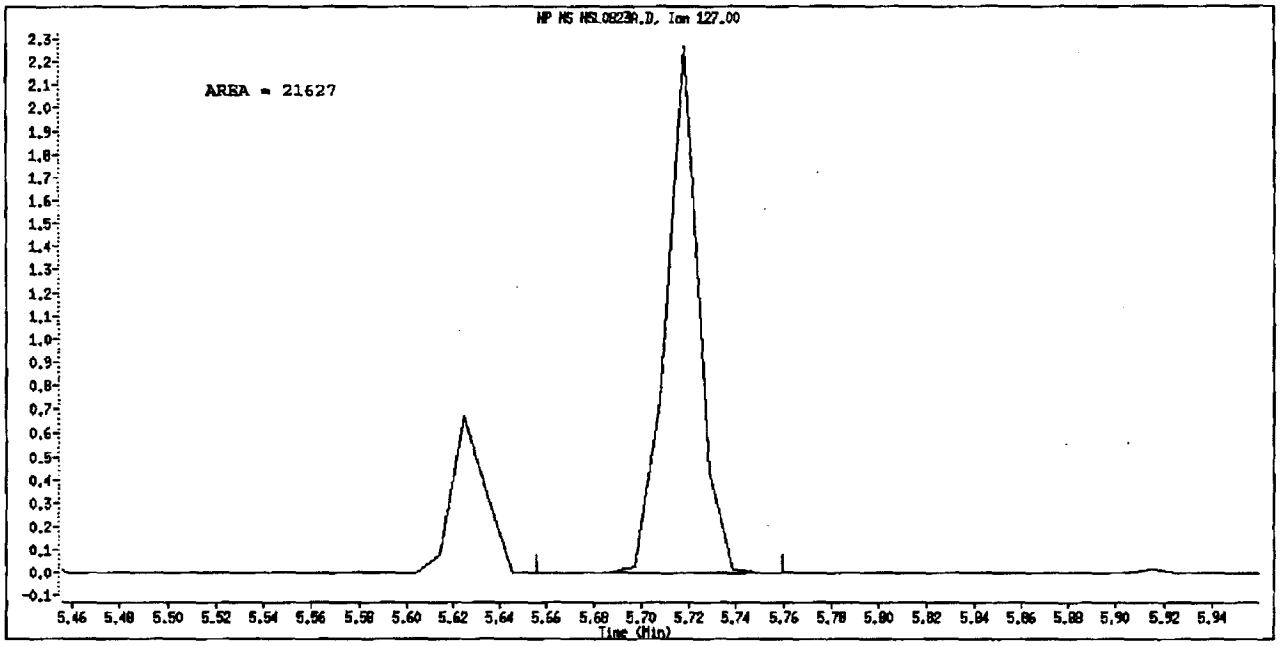

Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Wrong Peak

Data File Name: HSL0823A.D
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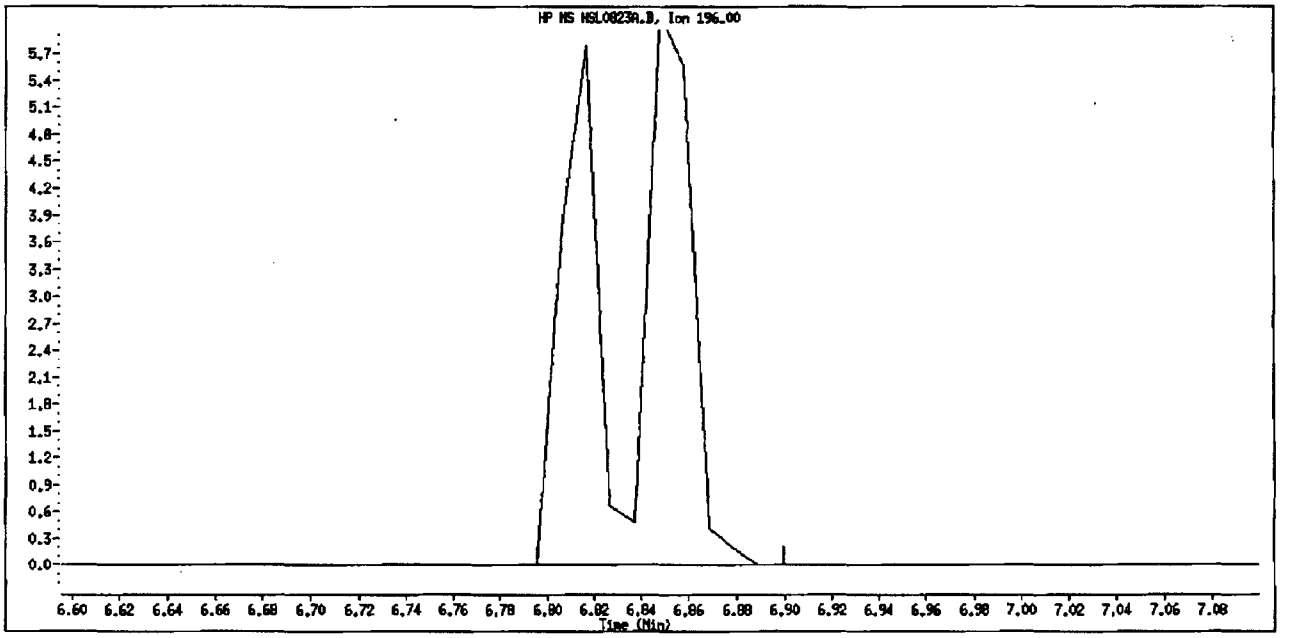
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,6-Trichlorophenol
CAS #: 88-06-2
Report Date: 08/24/2010



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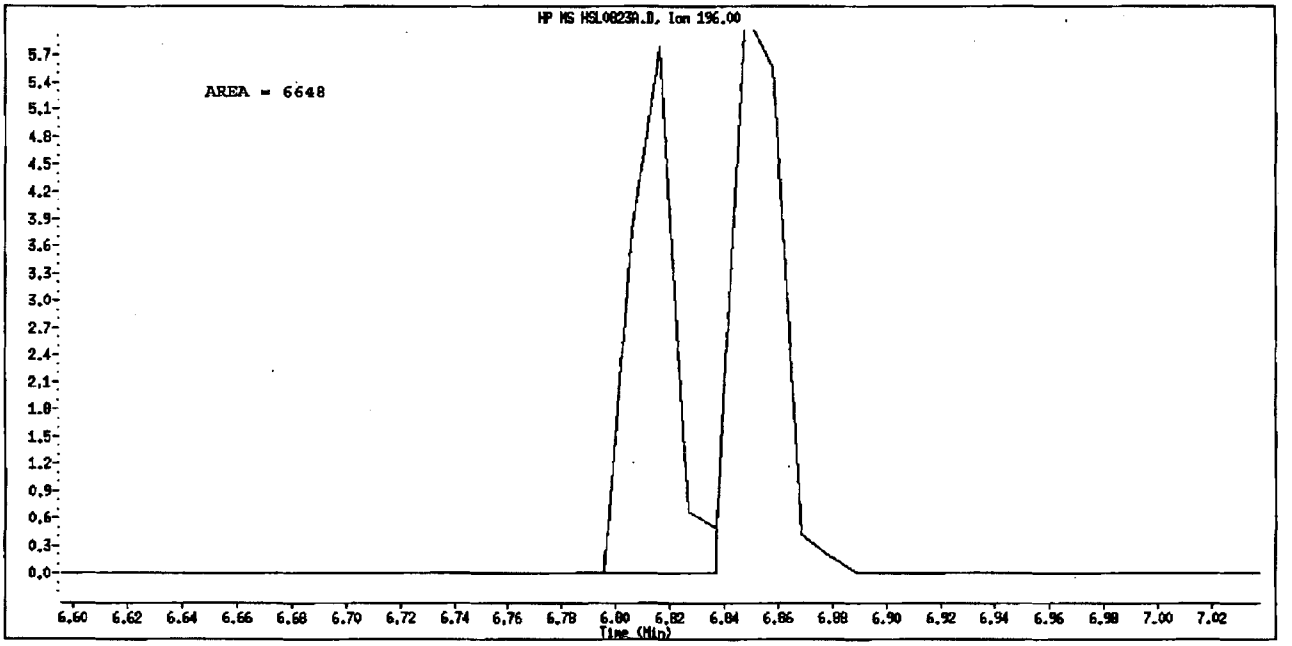

Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

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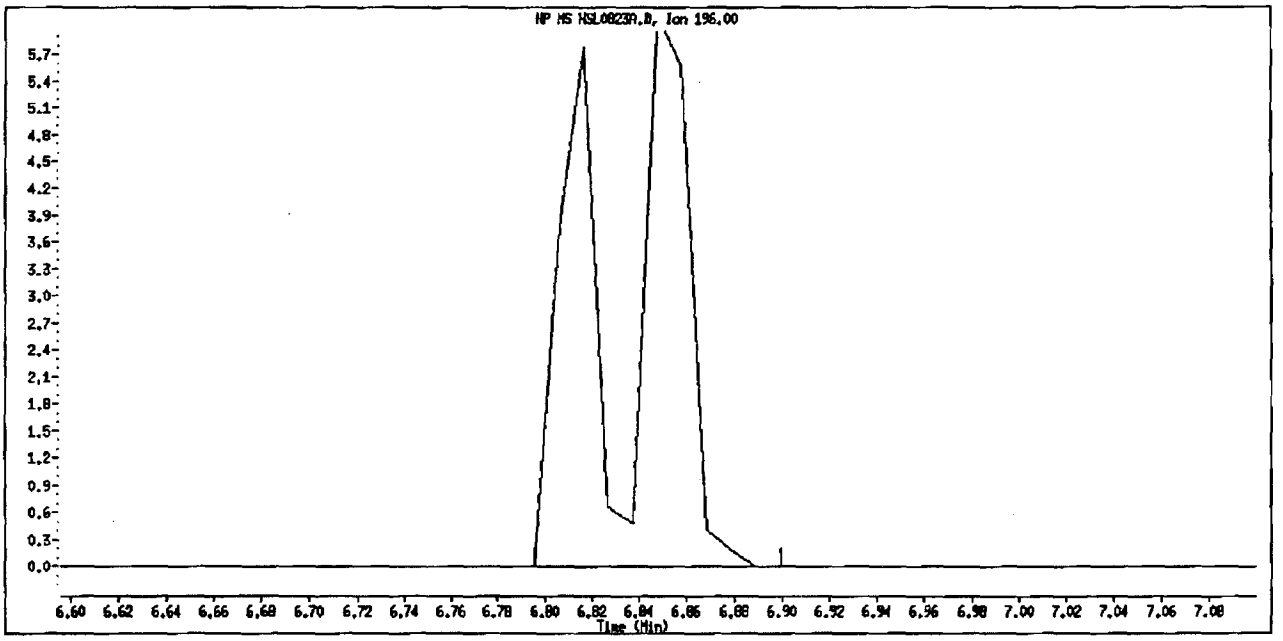
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorphenol
CAS #: 95-95-4
Report Date: 08/24/2010



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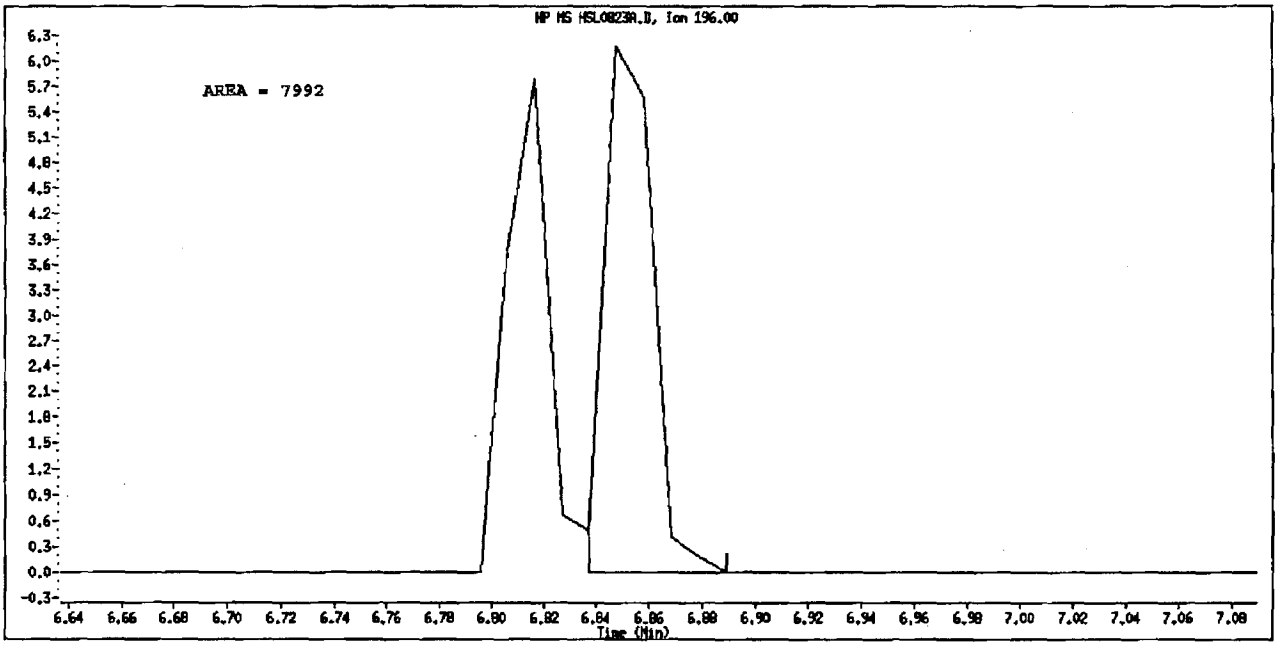

Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
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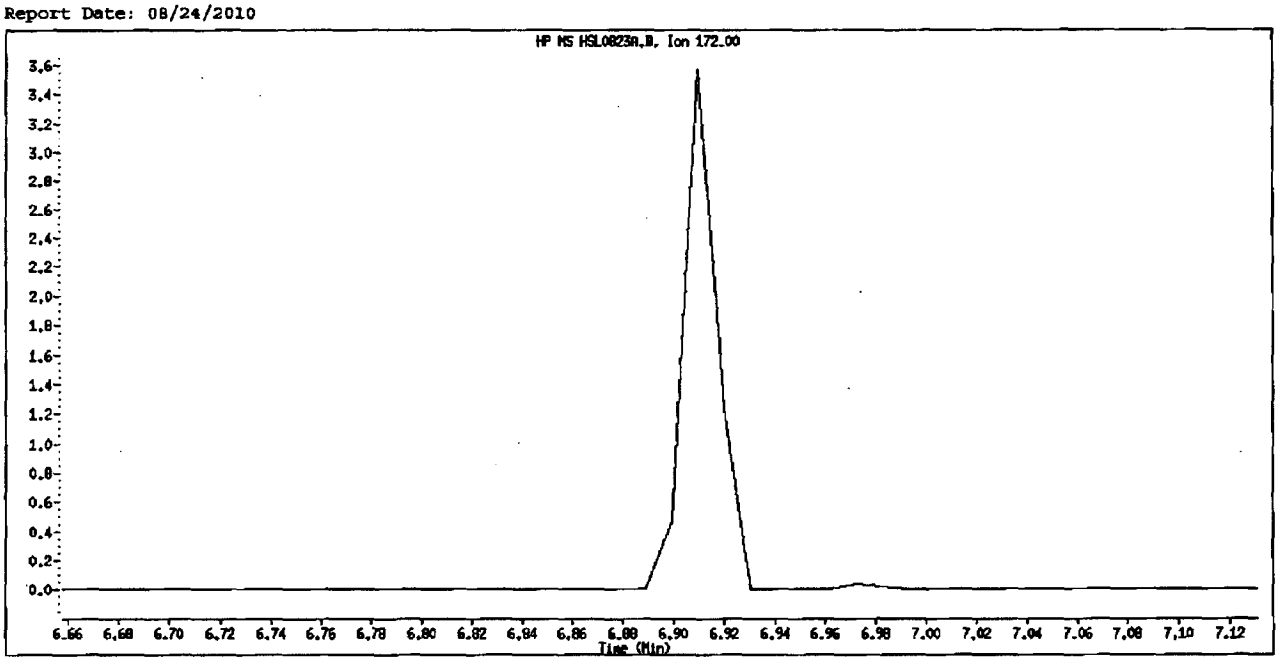
Client ID: 8270F.M
Compound Name: 2-Fluorobiphenyl
CAS #: 321-60-8
Report Date: 08/24/2010



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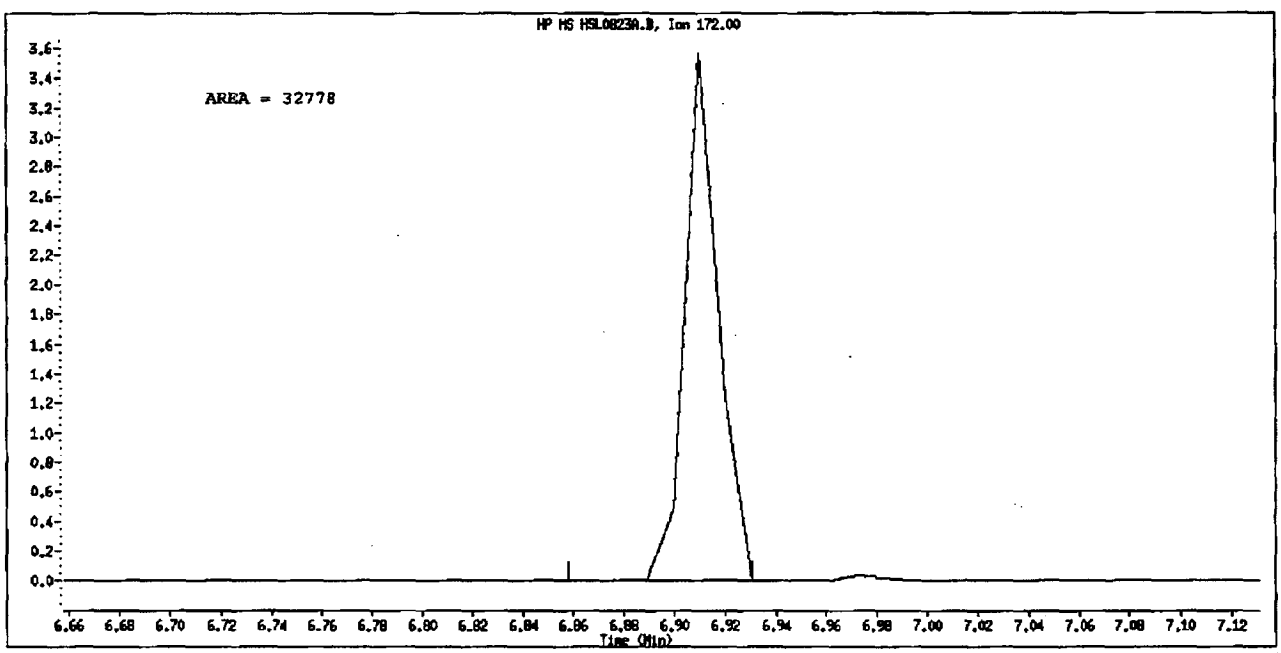

Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Peak Not Found

Data File Name: HSL0823A.D
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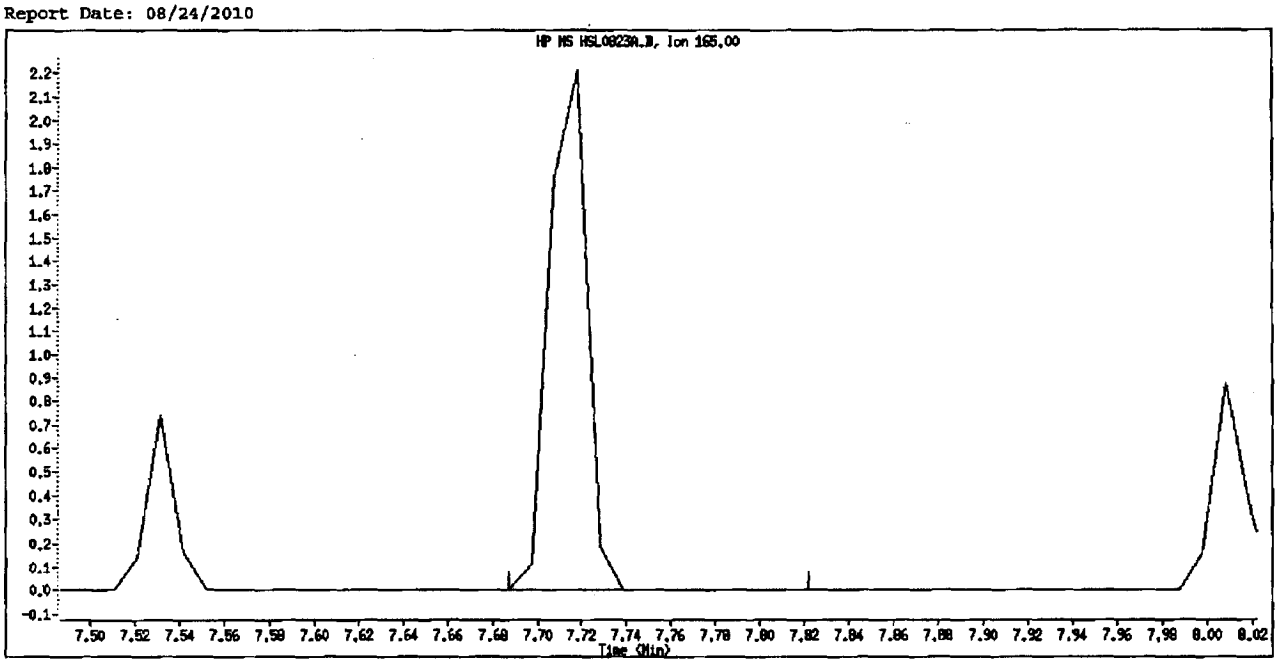
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 08/24/2010



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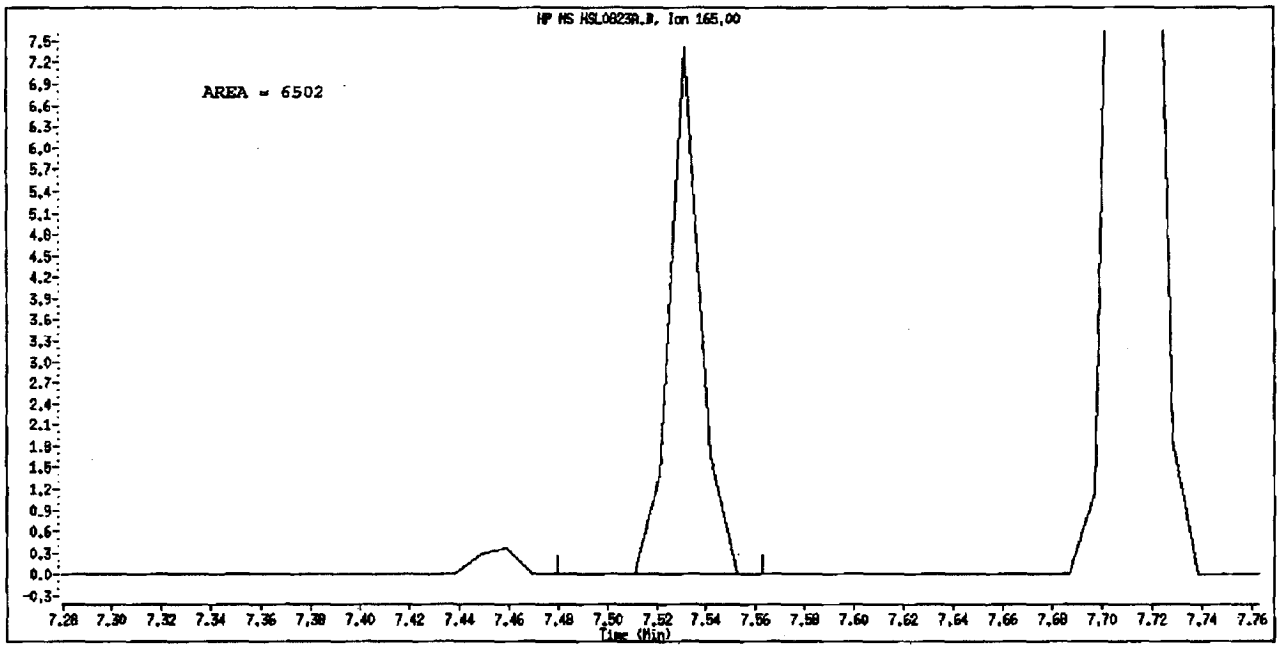
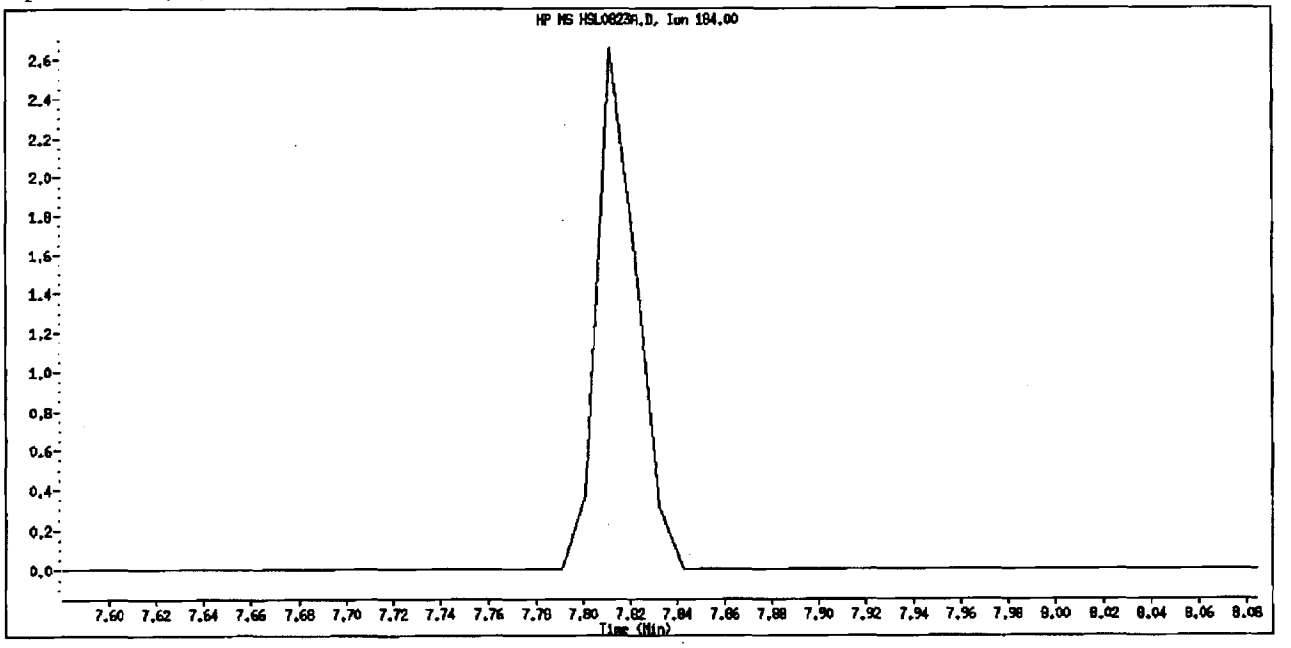


Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Wrong Peak

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4-Dinitrophenol
CAS #: 51-28-5
Report Date: 08/24/2010



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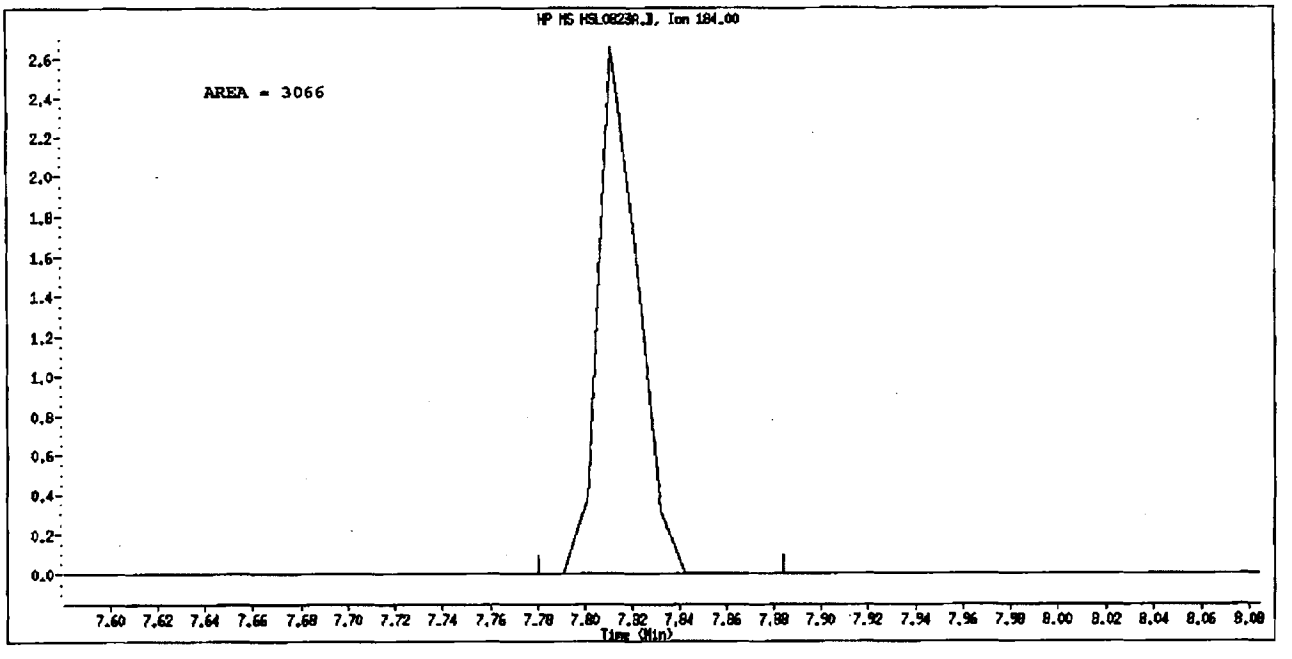
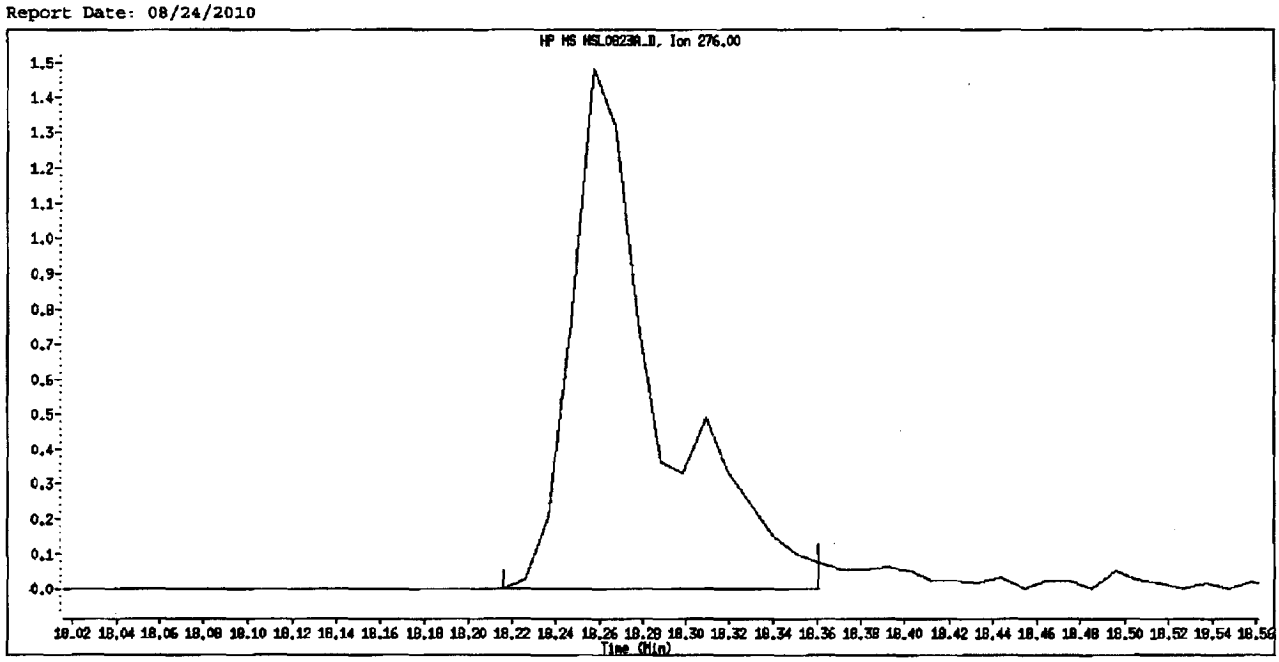


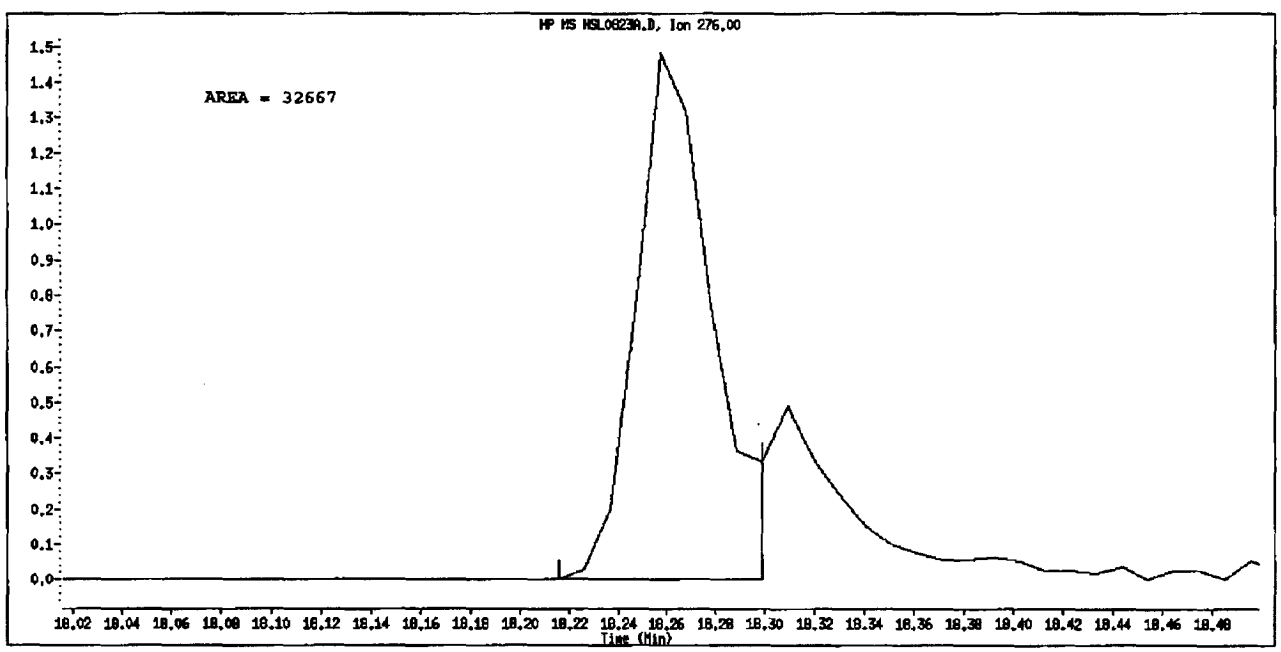
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Peak Not Found

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/24/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 16:40
Operator : KT Inst ID: sv5.i
Smp Info : HSL_005 ug/ml CS-1;1;;1;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 16:02 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 21:45 Cal File: AP90817A.D
Als bottle: 92 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	91148	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	397203	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	207096	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	320757	40.0000	
* 5	Chrysene-d12	240	14.122	14.122	(1.000)	307293	40.0000	
* 6	Perylene-d12	264	16.516	16.516	(1.000)	324529	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	15987	5.00000	4.743
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	20363	5.00000	4.716
$ 9	2-Chlorophenol-d4	132	3.977	3.977	(0.950)	17625	5.00000	4.840
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	11545	5.00000	5.095
$ 11	Nitrobenzene-d5	82	Compound Not Detected.					
$ 12	2-Fluorobiphenyl	172	Compound Not Detected.					
$ 13	2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	3453	5.00000	4.262
$ 14	Terphenyl-d14	244	12.340	12.340	(0.874)	29315	5.00000	4.930
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	11039	5.00000	4.758
16	Pyridine	79	1.966	1.966	(0.470)	19854	5.00000	5.165
23	Aniline	93	3.883	3.883	(0.928)	25614	5.00000	4.738
24	Phenol	94	3.831	3.831	(0.916)	21490	5.00000	4.729
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	16784	5.00000	4.829
27	2-Chlorophenol	128	3.997	3.997	(0.955)	17412	5.00000	4.836
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	19814	5.00000	4.988
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	18980	5.00000	4.716
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	11898	5.00000	4.817
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	19252	5.00000	5.066
32	2-Methylphenol	108	4.474	4.474	(1.069)	15756	5.00000	4.644
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	32447	5.00000	4.900
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36	Hexachloroethane	117	4.733	4.733	(1.131)	7068	5.00000	4.986
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	12484	5.00000	4.911
42	Nitrobenzene	77	4.837	4.837	(0.863)	17983	5.00000	5.090
44	Isophorone	82	5.096	5.096	(0.909)	32841	5.00000	4.897
45	2-Nitrophenol	139	5.199	5.199	(0.928)	8465	5.00000	4.455
46	2,4-Dimethyphenol	107	5.230	5.230	(0.933)	17379	5.00000	4.880

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	18999	5.00000	4.768
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	12803	5.00000	4.932
50	Benzoic Acid	122	5.282	5.282	(0.943)	8004	5.00000	6.346
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	14409	5.00000	5.127
52	Naphthalene	128	5.624	5.624	(1.004)	57827	5.00000	5.204
54	4-Chloroaniline	127	5.624	5.624	(1.004)	6587	5.00000	1.882
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	6814	5.00000	5.116
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	14034	5.00000	4.652
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	32784	5.00000	4.858
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	7599	5.00000	4.789
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	14320	5.00000	8.043
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	14320	5.00000	7.609
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	29428	5.00000	5.095
73	2-Nitroaniline	65	7.179	7.179	(0.930)	9276	5.00000	4.700
76	Dimethylphthalate	163	7.459	7.459	(0.966)	32438	5.00000	4.851
77	Acenaphthylene	152	7.521	7.521	(0.974)	47334	5.00000	4.669
79	2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	26534	5.00000	12.83
80	3-Nitroaniline	138	7.687	7.687	(0.996)	9193	5.00000	4.636
81	Acenaphthene	153	7.749	7.749	(1.004)	31423	5.00000	4.868
82	2,4-Dinitrophenol	184	Compound Not Detected.					
83	Dibenzofuran	168	7.946	7.946	(1.030)	42649	5.00000	5.006
84	4-Nitrophenol	109	7.894	7.894	(1.023)	3822	5.00000	4.320
86	2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	8655	5.00000	5.933
91	Fluorene	166	8.391	8.391	(1.087)	33483	5.00000	4.794
92	Diethylphthalate	149	8.350	8.350	(1.082)	36351	5.00000	5.186
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	14593	5.00000	5.089
94	4-Nitroaniline	138	8.464	8.464	(1.097)	8698	5.00000	4.440
97	4,6-Dinitro-2-methylphenol	198	8.526	8.526	(0.879)	3873	5.00000	6.074
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	29759	5.86000	5.926
100	Azobenzene	77	8.609	8.609	(0.888)	34137	5.00000	4.818
101	4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	7284	5.00000	4.733
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	8191	5.00000	4.924
110	Pentachlorophenol	266	9.521	9.521	(0.982)	4282	5.00000	4.156
114	Phenanthrene	178	9.728	9.728	(1.003)	48682	5.00000	4.868
115	Anthracene	178	9.790	9.790	(1.010)	48108	5.00000	4.761
118	Carbazole	167	10.060	10.060	(1.037)	44562	5.00000	4.719
120	Di-n-Butylphthalate	149	10.754	10.754	(1.109)	50710	5.00000	4.435
126	Fluoranthene	202	11.624	11.624	(1.199)	41793	5.00000	4.605
127	Benzidine	184	11.884	11.884	(0.841)	26818	5.00000	5.356
128	Pyrene	202	11.987	11.987	(0.849)	47347	5.00000	4.963
134	3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	22191	5.00000	5.992
136	Butylbenzylphthalate	149	13.303	13.303	(0.942)	22139	5.00000	4.484
138	Benzo(a)Anthracene	228	14.091	14.091	(0.998)	39402	5.00000	4.850
139	Chrysene	228	14.163	14.163	(1.003)	42571	5.00000	5.065
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	13228	5.00000	4.479
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	30835	5.00000	4.518
142	Di-n-octylphthalate	149	15.490	15.490	(1.097)	45950	5.00000	5.880
144	Benzo(b)fluoranthene	252	15.925	15.925	(0.964)	33424	5.00000	4.338
145	Benzo(k)fluoranthene	252	15.967	15.967	(0.967)	44835	5.00000	4.963
147	Benzo(e)pyrene	252	16.350	16.350	(0.990)	36134	5.00000	4.731
148	Benzo(a)pyrene	252	16.433	16.433	(0.995)	39312	5.00000	4.663
151	Indeno(1,2,3-cd)pyrene	276	18.257	18.257	(1.105)	41134	5.00000	5.552
152	Dibenzo(a,h)anthracene	278	18.319	18.319	(1.109)	34423	5.00000	4.501
153	Benzo(g,h,i)perylene	276	18.734	18.734	(1.134)	39032	5.00000	4.780

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				78259	5.00000	4.676 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica WestSacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823A.D
Lab Smp Id: HSL_005 ug/ml CS-1
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	91148	-18.91
2 Naphthalene-d8	494728	247364	989456	397203	-19.71
3 Acenaphthene-d10	264752	132376	529504	207096	-21.78
4 Phenanthrene-d10	415811	207906	831622	320757	-22.86
5 Chrysene-d12	431516	215758	863032	307293	-28.79
6 Perylene-d12	416460	208230	832920	324529	-22.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.12	-0.07
6 Perylene-d12	16.53	16.03	17.03	16.52	-0.06

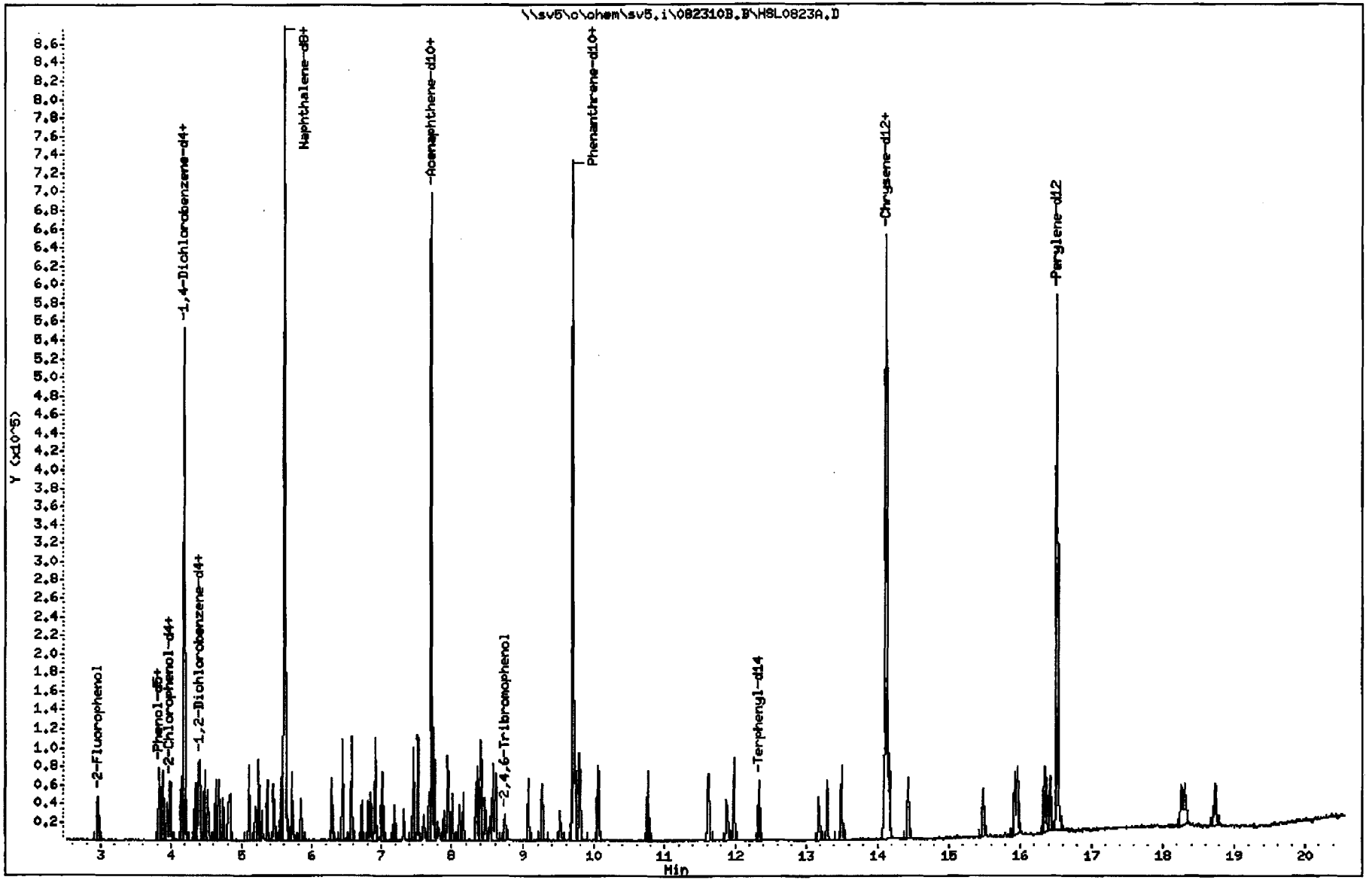
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\o\ohem\sv5.i\082310B.B\HSL0823A.D
Date : 23-AUG-2010 16:40
Client ID: 8270F,M
Sample Info: HSL_005 ug/ml CS-1;1;;1;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 17:06
Operator : KT Inst ID: sv5.i
Smp Info : HSL_010 ug/ml CS-2;1;;2;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 15:55 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:45 Cal File: AP90817A.D
Als bottle: 93 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	109349	40.0000	
* 2	Naphthalene-d8	136	5.603	5.603	(1.000)	480513	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	244234	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	370407	40.0000	
* 5	Chrysene-d12	240	14.122	14.122	(1.000)	358849	40.0000	
* 6	Perylene-d12	264	16.516	16.516	(1.000)	356753	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	39885	10.0000	9.934
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	48973	10.0000	9.488
$ 9	2-Chlorophenol-d4	132	3.976	3.976	(0.950)	43673	10.0000	10.04
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	27916	10.0000	10.34
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	42329	10.0000	10.05
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	78986	10.0000	10.23
$ 13	2,4,6-Tribromophenol	330	8.743	8.743	(1.133)	8730	10.0000	9.591
$ 14	Terphenyl-d14	244	12.339	12.339	(0.874)	70463	10.0000	9.996
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	28754	10.0000	10.36
16	Pyridine	79	1.966	1.966	(0.470)	43595	10.0000	9.415
23	Aniline	93	3.883	3.883	(0.928)	62371	10.0000	9.521
24	Phenol	94	3.831	3.831	(0.916)	52850	10.0000	9.594
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	42799	10.0000	10.12
27	2-Chlorophenol	128	3.997	3.997	(0.955)	42655	10.0000	9.868
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	47292	10.0000	9.933
29	1,4-Dichlorobenzene	146	4.204	4.204	(1.005)	47547	10.0000	9.810
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	29205	10.0000	9.986
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	45728	10.0000	10.09
32	2-Methylphenol	108	4.474	4.474	(1.069)	38900	10.0000	9.481
33	2,2'-oxybis(1-Chloropropane)	45	4.515	4.515	(1.079)	78149	10.0000	9.312
34	4-Methylphenol	108	4.629	4.629	(1.106)	42510	10.0000	9.943
36	Hexachloroethane	117	4.733	4.733	(1.131)	16502	10.0000	9.860
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	29691	10.0000	9.637
42	Nitrobenzene	77	4.837	4.837	(0.863)	41087	10.0000	9.692
44	Isophorone	82	5.096	5.096	(0.909)	76738	10.0000	9.267
45	2-Nitrophenol	139	5.199	5.199	(0.928)	22181	10.0000	10.50(Q)
46	2,4-Dimethyphenol	107	5.230	5.230	(0.933)	41193	10.0000	9.523

SK 8/24/10

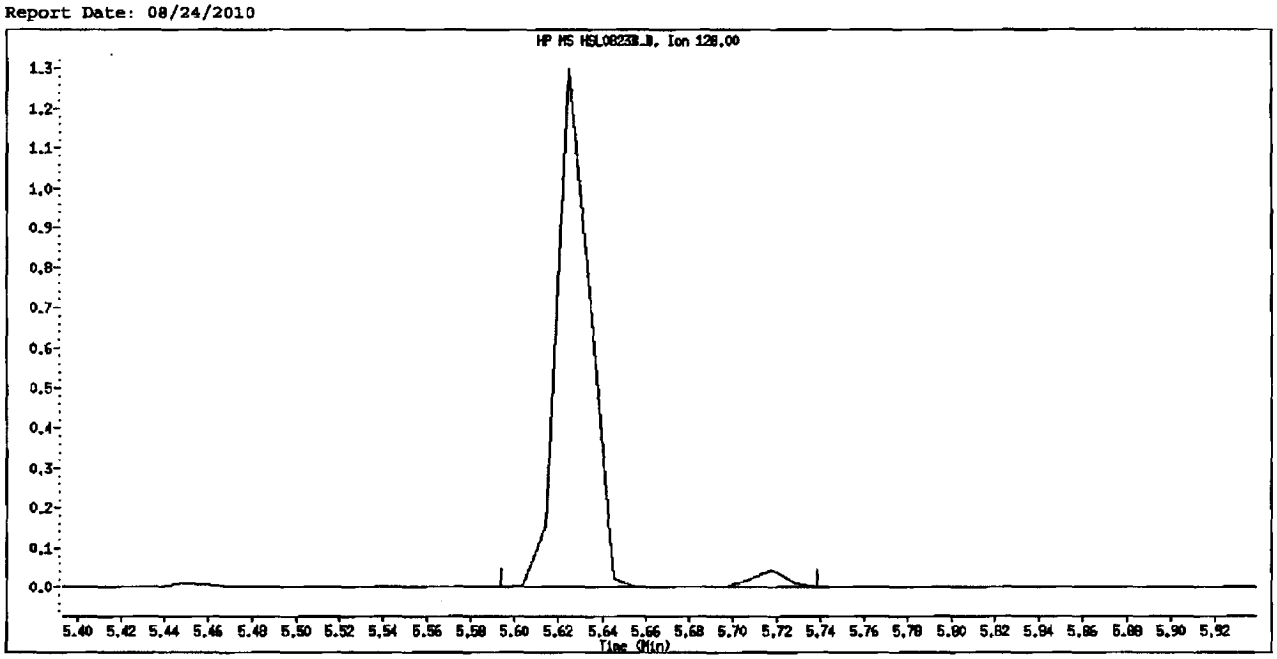
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	49723	10.0000	10.31
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	30918	10.0000	9.987
50	Benzoic Acid	122	5.293	5.293	(0.945)	21115	10.0000	12.61
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	34305	10.0000	10.06
52	Naphthalene	128	5.624	5.624	(1.004)	133483	10.0000	9.945(M)
54	4-Chloroaniline	127	5.717	5.717	(1.020)	51930	10.0000	10.88(QH)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	16493	10.0000	10.44
60	4-Chloro-3-Methylphenol	107	6.287	6.287	(1.122)	33857	10.0000	9.313
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	80061	10.0000	9.658
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	18765	10.0000	10.98
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	17905	10.0000	9.987(M)
70	2,4,5-Trichlorphenol	196	6.847	6.847	(0.887)	19245	10.0000	9.696(M)
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	67736	10.0000	9.886
73	2-Nitroaniline	65	7.189	7.189	(0.932)	21886	10.0000	9.927
76	Dimethylphthalate	163	7.458	7.458	(0.966)	77312	10.0000	9.676
77	Acenaphthylene	152	7.521	7.521	(0.974)	117976	10.0000	9.866
79	2,6-Dinitrotoluene	165	7.531	7.531	(0.976)	16605	10.0000	9.686(QMH)
80	3-Nitroaniline	138	7.686	7.686	(0.996)	22838	10.0000	10.07
81	Acenaphthene	153	7.749	7.749	(1.004)	77159	10.0000	10.15
82	2,4-Dinitrophenol	184	7.811	7.811	(1.012)	7808	10.0000	12.46
83	Dibenzofuran	168	7.946	7.946	(1.030)	99974	10.0000	9.959
84	4-Nitrophenol	109	7.894	7.894	(1.023)	10218	10.0000	10.25(Q)
86	2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	21764	10.0000	12.00
91	Fluorene	166	8.391	8.391	(1.087)	83101	10.0000	10.21
92	Diethylphthalate	149	8.350	8.350	(1.082)	81986	10.0000	9.798
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	34527	10.0000	10.23
94	4-Nitroaniline	138	8.464	8.464	(1.097)	21157	10.0000	9.515
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	9956	10.0000	12.20
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	69767	11.7000	12.19
100	Azobenzene	77	8.609	8.609	(0.888)	80133	10.0000	9.548
101	4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	18282	10.0000	10.50
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	20024	10.0000	10.52
110	Pentachlorophenol	266	9.521	9.521	(0.982)	10629	10.0000	9.600
114	Phenanthrene	178	9.728	9.728	(1.003)	118548	10.0000	10.18
115	Anthracene	178	9.790	9.790	(1.010)	113533	10.0000	9.795
118	Carbazole	167	10.060	10.060	(1.037)	107939	10.0000	9.986
120	Di-n-Butylphthalate	149	10.754	10.754	(1.109)	122649	10.0000	9.492
126	Fluoranthene	202	11.624	11.624	(1.199)	100507	10.0000	9.792
127	Benzidine	184	11.883	11.883	(0.841)	68288	10.0000	11.58
128	Pyrene	202	11.987	11.987	(0.849)	110409	10.0000	9.640
134	3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	57609	10.0000	11.48
136	Butylbenzylphthalate	149	13.303	13.303	(0.942)	55168	10.0000	9.678
138	Benzo(a)Anthracene	228	14.091	14.091	(0.998)	92935	10.0000	9.854
139	Chrysene	228	14.163	14.163	(1.003)	98930	10.0000	9.974
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	32203	10.0000	9.770
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	74784	10.0000	9.582
142	Di-n-octylphthalate	149	15.490	15.490	(1.097)	113249	10.0000	11.18
144	Benzo(b)fluoranthene	252	15.925	15.925	(0.964)	76293	10.0000	9.097
145	Benzo(k)fluoranthene	252	15.966	15.966	(0.967)	99665	10.0000	9.676
147	Benzo(e)pyrene	252	16.350	16.350	(0.990)	79673	10.0000	9.438
148	Benzo(a)pyrene	252	16.433	16.433	(0.995)	86294	10.0000	9.426
151	Indeno(1,2,3-cd)pyrene	276	18.257	18.257	(1.105)	75579	10.0000	10.34(M)
152	Dibenzo(a,h)anthracene	278	18.309	18.309	(1.109)	80379	10.0000	9.862
153	Benzo(g,h,i)perylene	276	18.733	18.733	(1.134)	86476	10.0000	9.954

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				175958	10.0000	

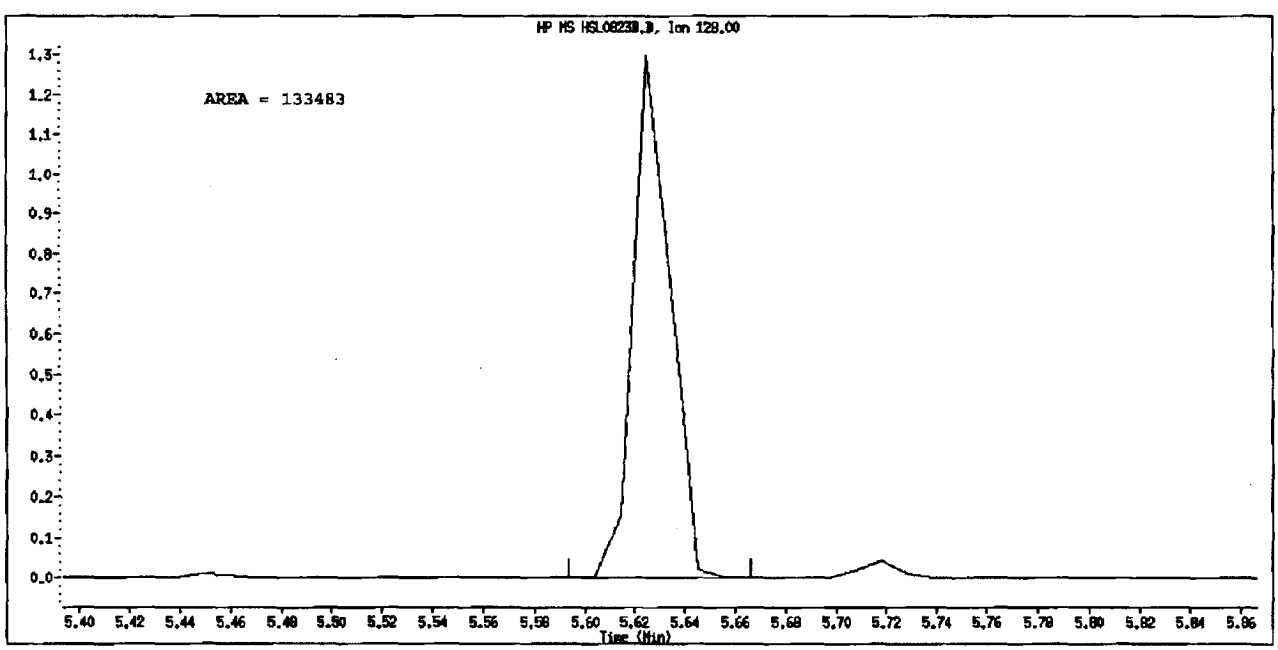
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL0823B.D
Inj. Date and Time: 23-AUG-2010 17:06
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Naphthalene
CAS #: 91-20-3
Report Date: 08/24/2010



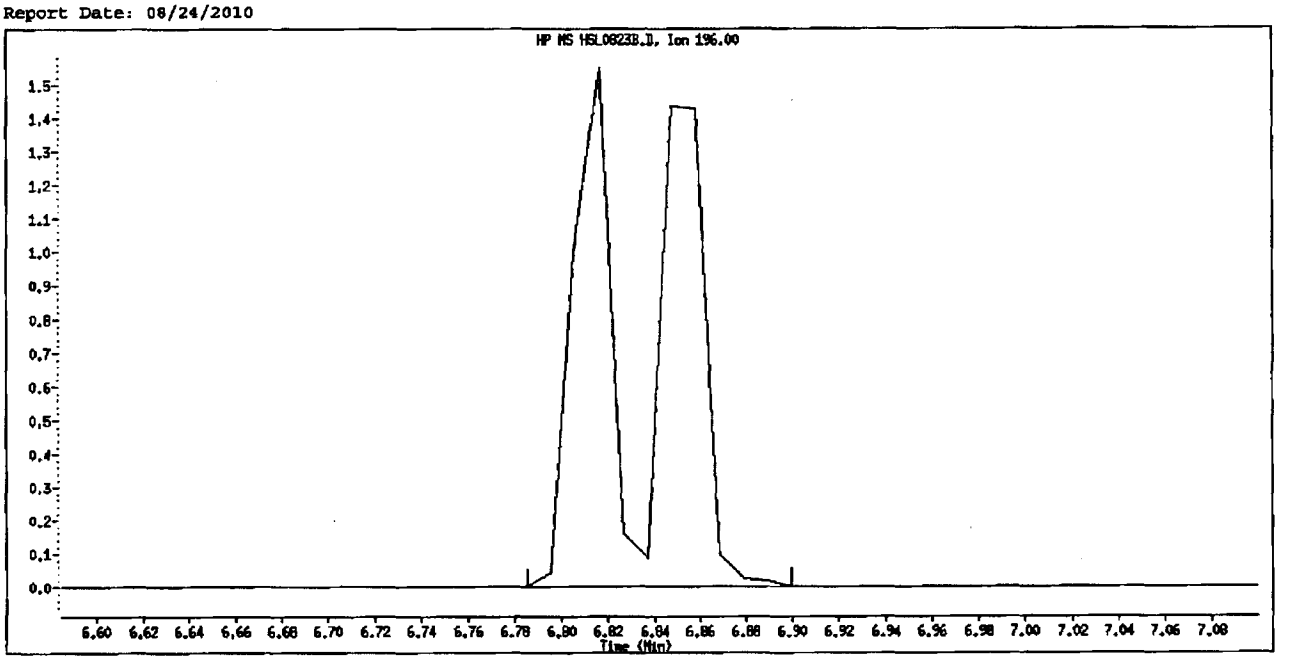
Original Integration



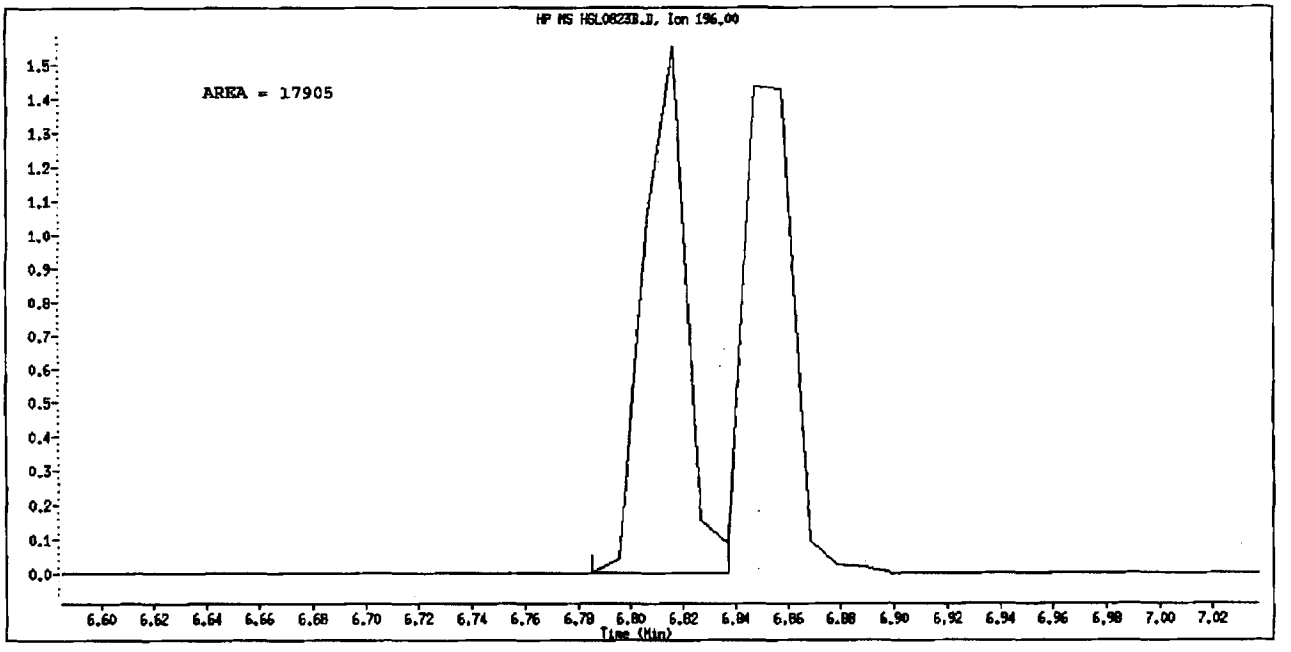
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823B.D
Inj. Date and Time: 23-AUG-2010 17:06
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,6-Trichlorophenol
CAS #: 88-06-2
Report Date: 08/24/2010



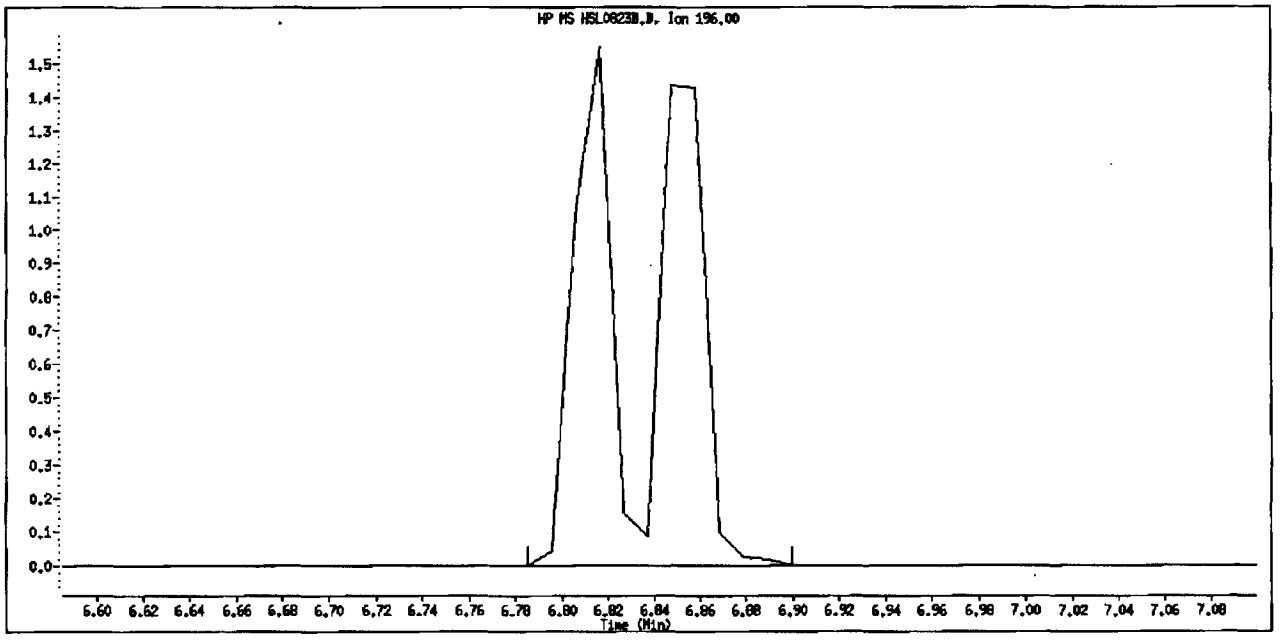
Original Integration



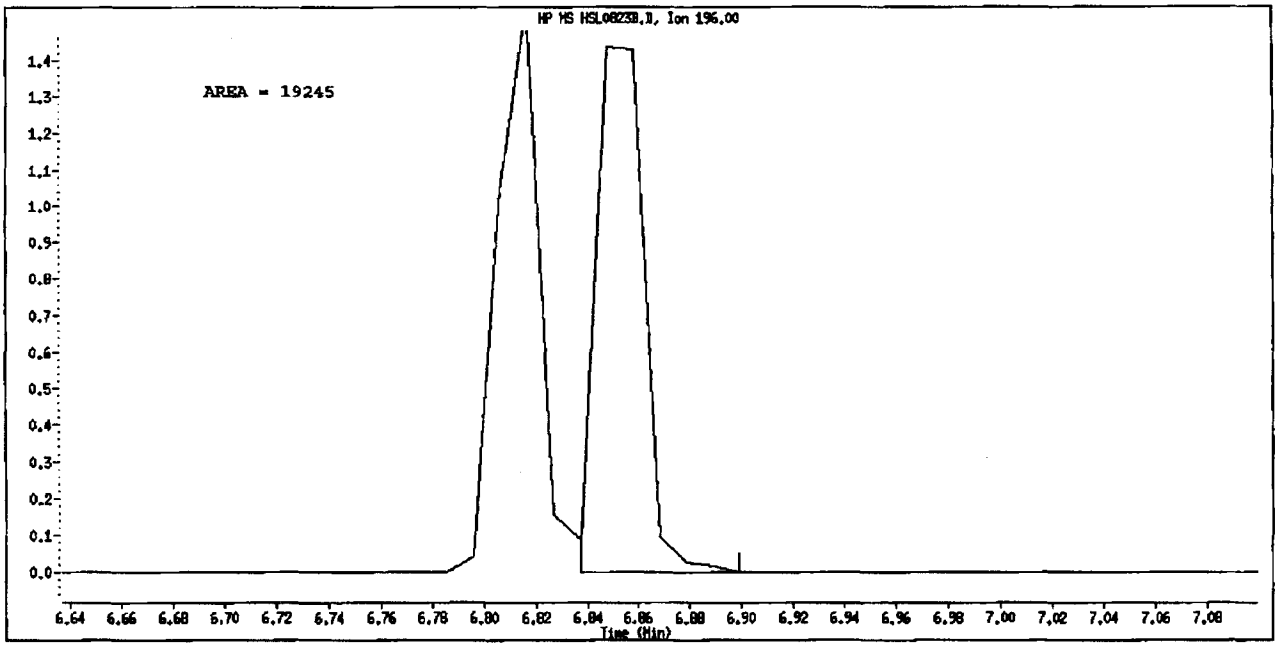
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823B.D
Inj. Date and Time: 23-AUG-2010 17:06
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorphenol
CAS #: 95-95-4
Report Date: 08/24/2010



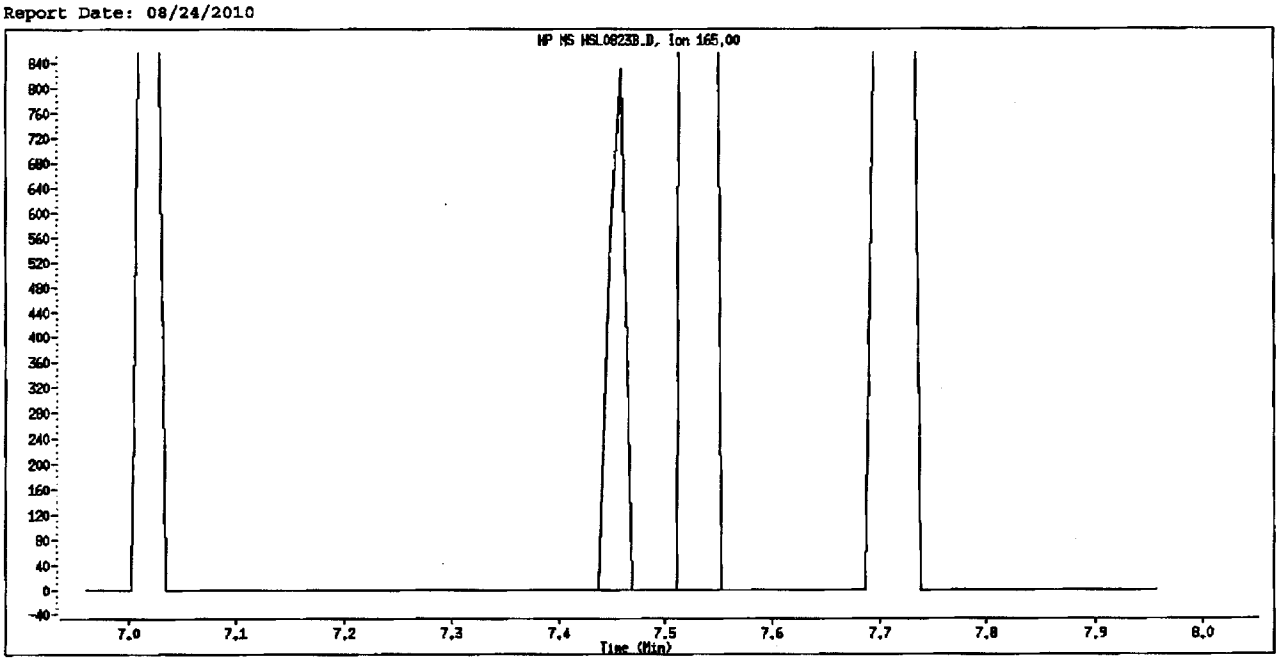
Original Integration



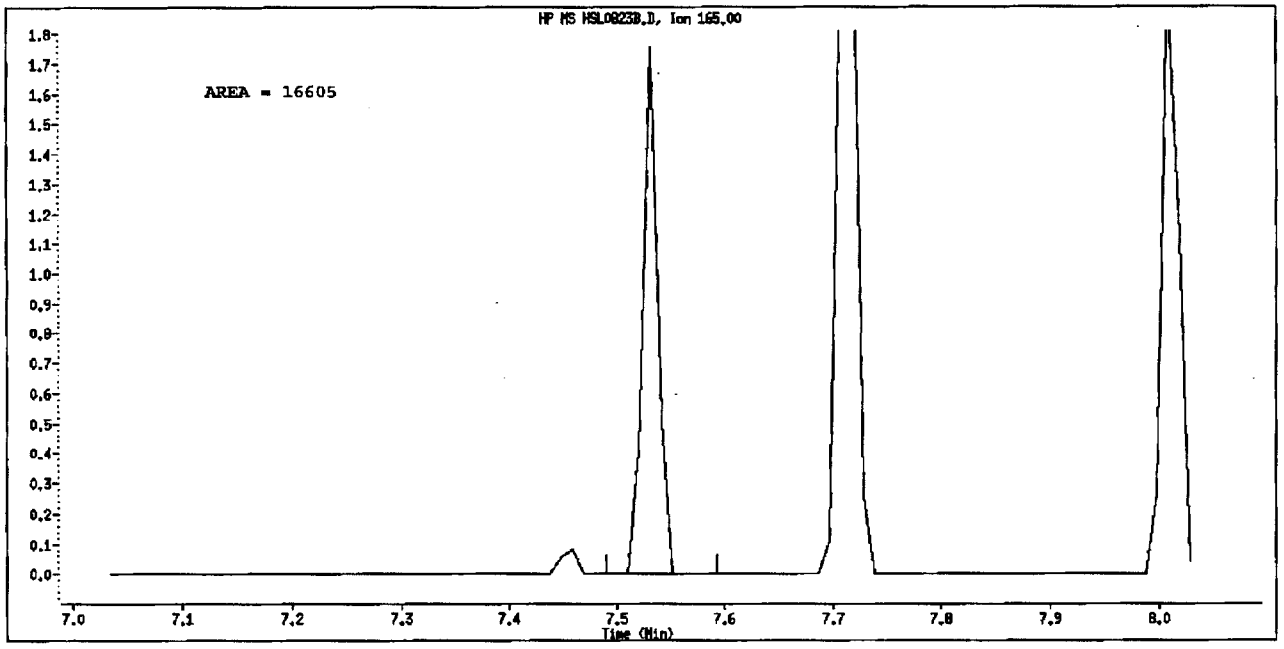
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823B.D
Inj. Date and Time: 23-AUG-2010 17:06
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 08/24/2010



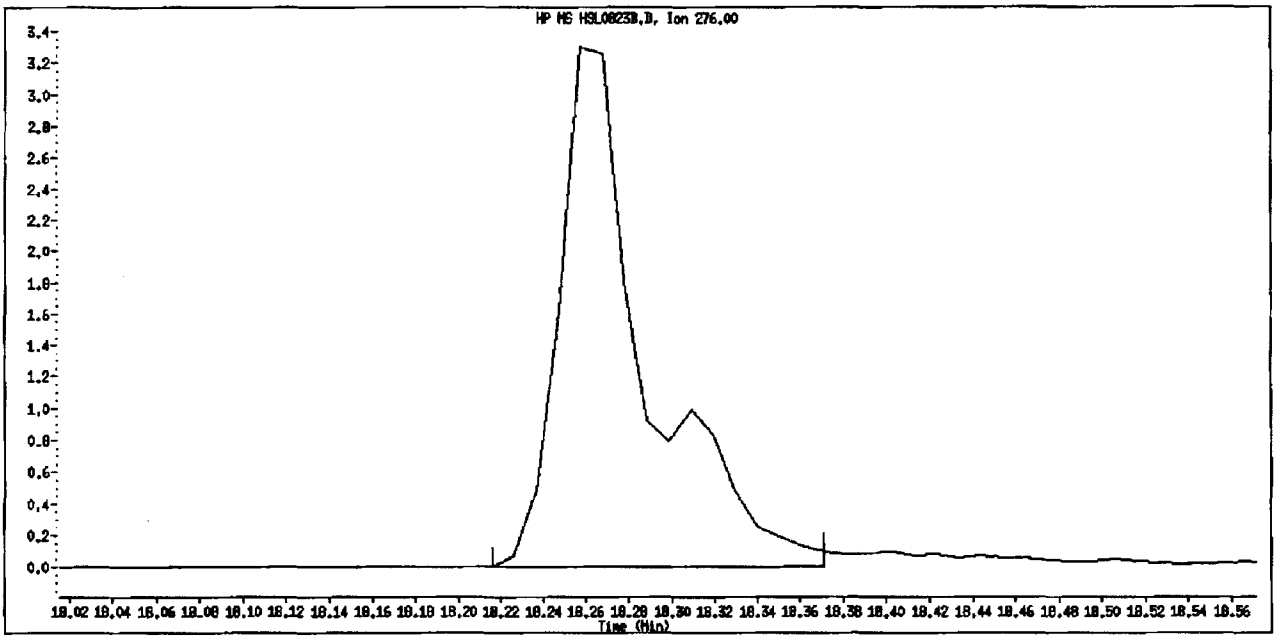
Original Integration



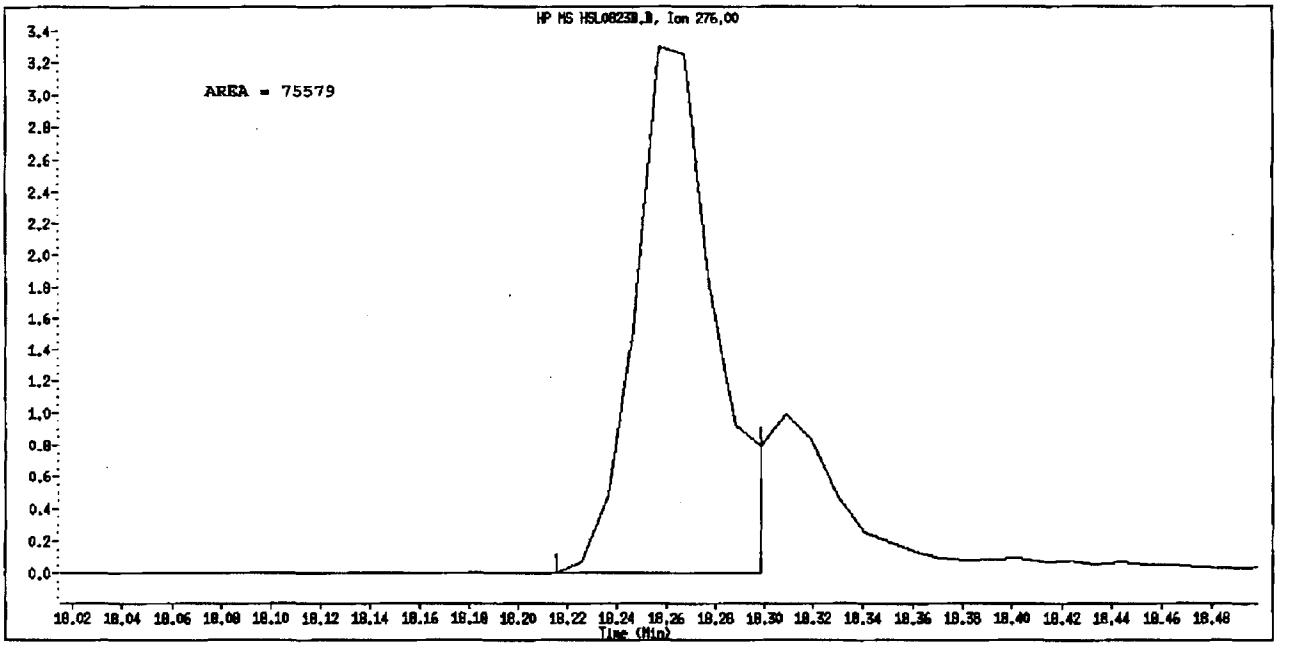
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Unknown

Data File Name: HSL0823B.D
Inj. Date and Time: 23-AUG-2010 17:06
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/24/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 17:06
Operator : KT Inst ID: sv5.i
Smp Info : HSL_010 ug/ml CS-2;1;;2;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 12:11 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 22:11 Cal File: AP90817B.D
Als bottle: 93 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	109349	40.0000	
*	2 Naphthalene-d8	136	5.603	5.603	(1.000)	480513	40.0000	
*	3 Acenaphthene-d10	164	7.718	7.718	(1.000)	244234	40.0000	
*	4 Phenanthrene-d10	188	9.697	9.697	(1.000)	370407	40.0000	
*	5 Chrysene-d12	240	14.122	14.122	(1.000)	358849	40.0000	
*	6 Perylene-d12	264	16.516	16.516	(1.000)	356753	40.0000	
$	7 2-Fluorophenol	112	2.961	2.961	(0.708)	39885	10.0000	9.863
$	8 Phenol-d5	99	3.821	3.821	(0.913)	48973	10.0000	9.455
$	9 2-Chlorophenol-d4	132	3.976	3.976	(0.950)	43673	10.0000	9.996
$	10 1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	27916	10.0000	10.27
$	11 Nitrobenzene-d5	82	4.816	4.816	(0.859)	42329	10.0000	9.806
$	12 2-Fluorobiphenyl	172	6.909	6.909	(0.895)	78986	10.0000	10.22
$	13 2,4,6-Tribromophenol	330	8.743	8.743	(1.133)	8730	10.0000	9.137
$	14 Terphenyl-d14	244	12.339	12.339	(0.874)	70463	10.0000	10.15
	15 N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	28754	10.0000	10.33
	16 Pyridine	79	1.966	1.966	(0.470)	43595	10.0000	9.454
	23 Aniline	93	3.883	3.883	(0.928)	62371	10.0000	9.616
	24 Phenol	94	3.831	3.831	(0.916)	52850	10.0000	9.557
	26 Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	42799	10.0000	10.26
	27 2-Chlorophenol	128	3.997	3.997	(0.955)	42655	10.0000	9.874
	28 1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	47292	10.0000	9.923
	29 1,4-Dichlorobenzene	146	4.204	4.204	(1.005)	47547	10.0000	9.849
	30 Benzyl Alcohol	108	4.339	4.339	(1.037)	29205	10.0000	9.856
	31 1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	45728	10.0000	10.03
	32 2-Methylphenol	108	4.474	4.474	(1.069)	38900	10.0000	9.556
	33 2,2'-oxybis(1-Chloropropane)	45	4.515	4.515	(1.079)	78149	10.0000	9.838
	34 4-Methylphenol	108	4.629	4.629	(1.106)	42510	10.0000	9.810
	36 Hexachloroethane	117	4.733	4.733	(1.131)	16502	10.0000	9.703
	37 N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	29691	10.0000	9.713
	42 Nitrobenzene	77	4.837	4.837	(0.863)	41087	10.0000	9.614
	44 Isophorone	82	5.096	5.096	(0.909)	76738	10.0000	9.458
	45 2-Nitrophenol	139	5.199	5.199	(0.928)	22181	10.0000	9.651
	46 2,4-Dimethyphenol	107	5.230	5.230	(0.933)	41193	10.0000	9.561

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	49723	10.0000	10.31
49 2,4-Dichlorophenol	162	5.448	5.448	(0.972)	30918	10.0000	9.845
50 Benzoic Acid	122	5.293	5.293	(0.945)	21115	10.0000	10.64
51 1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	34305	10.0000	10.09
52 Naphthalene	128	5.624	5.624	(1.004)	137847	10.0000	10.21
54 4-Chloroaniline	127	5.624	5.624	(1.004)	15489	10.0000	9.439
57 Hexachlorobutadiene	225	5.852	5.852	(1.044)	16493	10.0000	10.24
60 4-Chloro-3-Methylphenol	107	6.287	6.287	(1.122)	33857	10.0000	9.277
63 2-Methylnaphthalene	142	6.443	6.443	(1.150)	80061	10.0000	9.806
66 Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	18765	10.0000	10.03
69 2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	36599	10.0000	13.95
70 2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	36599	10.0000	13.84
71 2-Chloronaphthalene	162	7.023	7.023	(0.910)	67736	10.0000	9.943
73 2-Nitroaniline	65	7.189	7.189	(0.932)	21886	10.0000	9.404
76 Dimethylphthalate	163	7.458	7.458	(0.966)	77312	10.0000	9.804
77 Acenaphthylene	152	7.521	7.521	(0.974)	117976	10.0000	9.867
79 2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	31676	10.0000	16.19
80 3-Nitroaniline	138	7.686	7.686	(0.996)	22838	10.0000	9.767
81 Acenaphthene	153	7.749	7.749	(1.004)	77159	10.0000	10.14
82 2,4-Dinitrophenol	184	7.811	7.811	(1.012)	7808	10.0000	10.55
83 Dibenzofuran	168	7.946	7.946	(1.030)	99974	10.0000	9.951
84 4-Nitrophenol	109	7.894	7.894	(1.023)	10218	10.0000	9.793
86 2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	21764	10.0000	10.40
91 Fluorene	166	8.391	8.391	(1.087)	83101	10.0000	10.09
92 Diethylphthalate	149	8.350	8.350	(1.082)	81986	10.0000	9.919
93 4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	34527	10.0000	10.21
94 4-Nitroaniline	138	8.464	8.464	(1.097)	21157	10.0000	9.158
97 4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	9956	10.0000	10.22
98 N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	69767	11.7000	12.03
100 Azobenzene	77	8.609	8.609	(0.888)	80133	10.0000	9.793
101 4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	18282	10.0000	10.29
108 Hexachlorobenzene	284	9.262	9.262	(0.955)	20024	10.0000	10.42
110 Pentachlorophenol	266	9.521	9.521	(0.982)	10629	10.0000	8.932
114 Phenanthrene	178	9.728	9.728	(1.003)	118548	10.0000	10.22
115 Anthracene	178	9.790	9.790	(1.010)	113533	10.0000	9.729
118 Carbazole	167	10.060	10.060	(1.037)	107939	10.0000	9.899
120 Di-n-Butylphthalate	149	10.754	10.754	(1.109)	122649	10.0000	9.289
126 Fluoranthene	202	11.624	11.624	(1.199)	100507	10.0000	9.590
127 Benzidine	184	11.883	11.883	(0.841)	68288	10.0000	10.01
128 Pyrene	202	11.987	11.987	(0.849)	110409	10.0000	9.910
134 3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	57609	10.0000	10.46
136 Butylbenzylphthalate	149	13.303	13.303	(0.942)	55168	10.0000	9.569
138 Benzo(a)Anthracene	228	14.091	14.091	(0.998)	92935	10.0000	9.796
139 Chrysene	228	14.163	14.163	(1.003)	98930	10.0000	10.08
140 3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	32203	10.0000	9.338
141 bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	74784	10.0000	9.383
142 Di-n-octylphthalate	149	15.490	15.490	(1.097)	113249	10.0000	10.16
144 Benzo(b)fluoranthene	252	15.925	15.925	(0.964)	76293	10.0000	9.008
145 Benzo(k)fluoranthene	252	15.966	15.966	(0.967)	99665	10.0000	10.04
147 Benzo(e)pyrene	252	16.350	16.350	(0.990)	79673	10.0000	9.489
148 Benzo(a)pyrene	252	16.433	16.433	(0.995)	86294	10.0000	9.311
151 Indeno(1,2,3-cd)pyrene	276	18.257	18.257	(1.105)	93807	10.0000	10.22
152 Dibenzo(a,h)anthracene	278	18.309	18.309	(1.109)	80379	10.0000	9.560
153 Benzo(g,h,i)perylene	276	18.733	18.733	(1.134)	86476	10.0000	9.633

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				175958	10.0000	9.563(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica WestSacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823B.D
Lab Smp Id: HSL_010 ug/ml CS-2
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	109349	-2.71
2 Naphthalene-d8	494728	247364	989456	480513	-2.87
3 Acenaphthene-d10	264752	132376	529504	244234	-7.75
4 Phenanthrene-d10	415811	207906	831622	370407	-10.92
5 Chrysene-d12	431516	215758	863032	358849	-16.84
6 Perylene-d12	416460	208230	832920	356753	-14.34

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	-0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	-0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	-0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	-0.00
5 Chrysene-d12	14.13	13.63	14.63	14.12	-0.07
6 Perylene-d12	16.53	16.03	17.03	16.52	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\o\chem\sv5.i\082310B.B\HSL0823B.D

Date : 23-AUG-2010 17:06

Client ID: 8270F.M

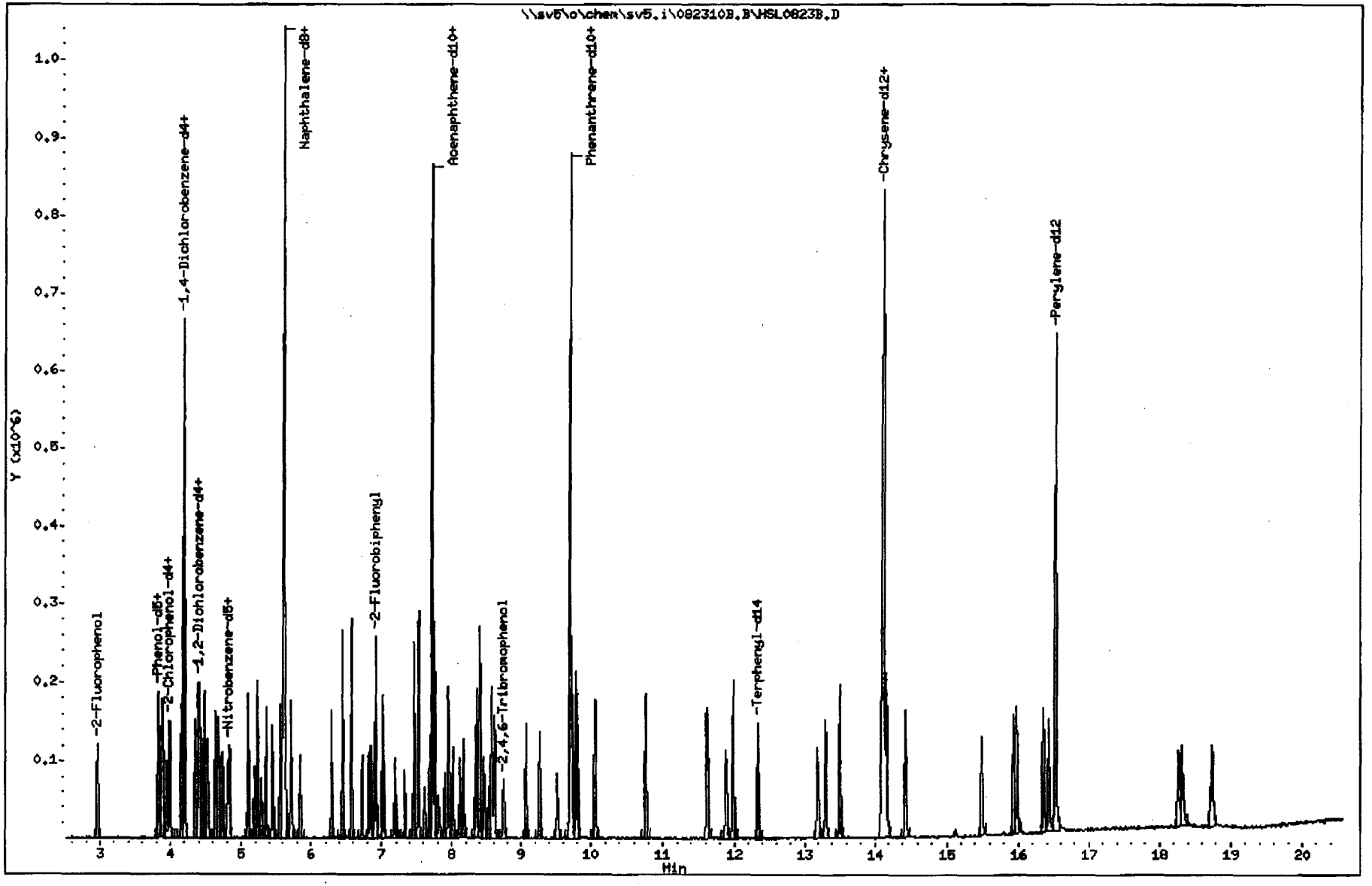
Instrument: sv5.i

Sample Info: HSL_010 ug/ml CS-2;1;;2;;;;;4

Operator: KT

Column phase:

Column diameter: 2.00



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 17:32
Operator : KT Inst ID: sv5.i
Smp Info : HSL_020 ug/ml CS-3;1;;3;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 15:55 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 22:11 Cal File: AP90817B.D
Als bottle: 94 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	109250	40.0000		
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	505594	40.0000		
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	263989	40.0000		
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	403871	40.0000		
* 5	Chrysene-d12	240	14.122	14.122	(1.000)	393840	40.0000		
* 6	Perylene-d12	264	16.516	16.516	(1.000)	384719	40.0000		
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	81001	20.0000	20.25	
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	105822	20.0000	20.52	
$ 9	2-Chlorophenol-d4	132	3.977	3.977	(0.950)	87371	20.0000	20.09	
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	55793	20.0000	20.60	
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	88730	20.0000	20.00	
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	163735	20.0000	19.49	
$ 13	2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	19280	20.0000	19.33	
$ 14	Terphenyl-d14	244	12.340	12.340	(0.874)	148459	20.0000	19.13	
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	54601	20.0000	19.60	
16	Pyridine	79	1.956	1.956	(0.468)	95567	20.0000	21.00	
23	Aniline	93	3.883	3.883	(0.928)	129647	20.0000	19.98	
24	Phenol	94	3.832	3.832	(0.916)	109461	20.0000	20.02	
26	Bis(2-chloroethyl)ether	93	3.946	3.946	(0.943)	84734	20.0000	20.19	
27	2-Chlorophenol	128	3.997	3.997	(0.955)	88147	20.0000	20.43	
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	98532	20.0000	20.81	
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	100072	20.0000	20.79	
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	58005	20.0000	19.79	
31	1,2-Dichlorobenzene	146	4.402	4.402	(1.052)	93441	20.0000	20.60	
32	2-Methylphenol	108	4.474	4.474	(1.069)	81370	20.0000	19.98	
33	2,2'-oxybis(1-Chloropropane)	45	4.516	4.516	(1.079)	161451	20.0000	19.50	
34	4-Methylphenol	108	4.630	4.630	(1.106)	87660	20.0000	20.40	
36	Hexachloroethane	117	4.733	4.733	(1.131)	34316	20.0000	20.48	
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	60103	20.0000	19.53	(M)
42	Nitrobenzene	77	4.837	4.837	(0.863)	87881	20.0000	19.69	
44	Isophorone	82	5.096	5.096	(0.909)	164200	20.0000	19.04	
45	2-Nitrophenol	139	5.199	5.199	(0.928)	45834	20.0000	20.03	
46	2,4-Dimethyphenol	107	5.231	5.231	(0.933)	89298	20.0000	19.74	

SK 8/24/10

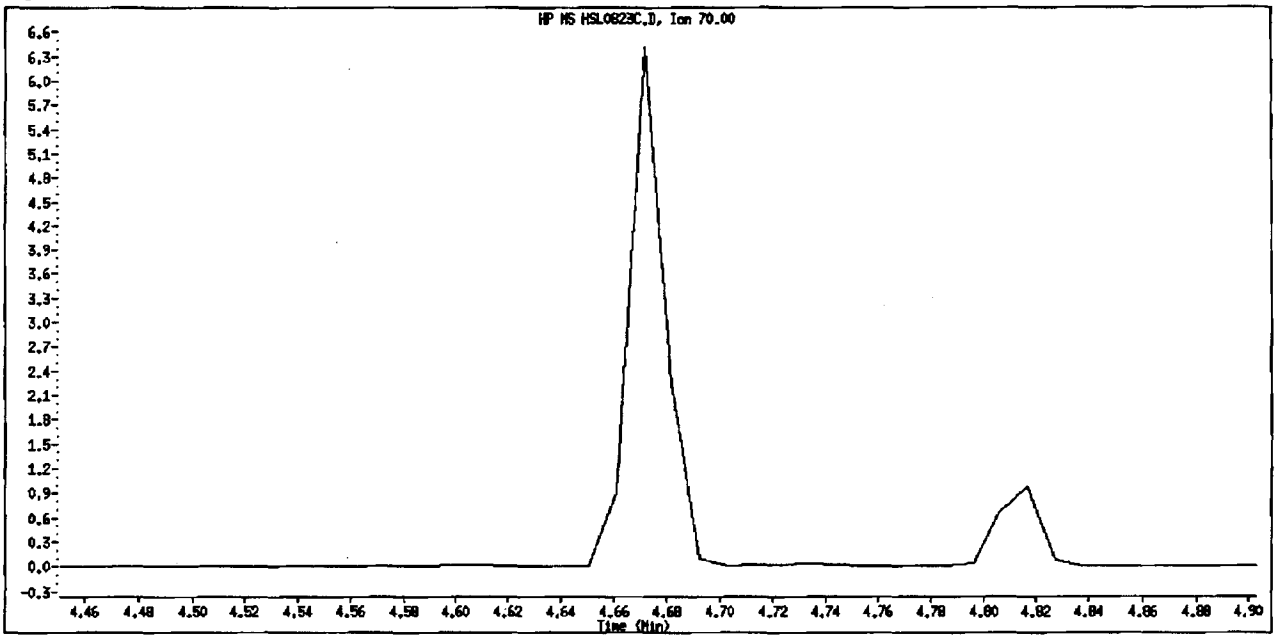
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	101820	20.0000	19.97
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	63764	20.0000	19.48
50	Benzoic Acid	122	5.303	5.303	(0.946)	46083	20.0000	22.03
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	70657	20.0000	19.74
52	Naphthalene	128	5.624	5.624	(1.004)	278775	20.0000	19.83
54	4-Chloroaniline	127	5.718	5.718	(1.020)	105306	20.0000	21.04(H)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	32522	20.0000	19.36
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	74197	20.0000	19.42
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	168501	20.0000	19.42
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	38060	20.0000	19.89
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	39229	20.0000	20.04(M)
70	2,4,5-Trichlorphenol	196	6.847	6.847	(0.887)	40962	20.0000	18.94(M)
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	144000	20.0000	19.52
73	2-Nitroaniline	65	7.189	7.189	(0.932)	47152	20.0000	19.44
76	Dimethylphthalate	163	7.459	7.459	(0.966)	167525	20.0000	19.45
77	Acenaphthylene	152	7.521	7.521	(0.974)	253914	20.0000	19.64
79	2,6-Dinitrotoluene	165	7.531	7.531	(0.976)	36775	20.0000	19.67(QMH)
80	3-Nitroaniline	138	7.687	7.687	(0.996)	49049	20.0000	19.69
81	Acenaphthene	153	7.749	7.749	(1.004)	162598	20.0000	19.80
82	2,4-Dinitrophenol	184	7.811	7.811	(1.012)	19504	20.0000	22.88
83	Dibenzofuran	168	7.946	7.946	(1.030)	213749	20.0000	19.67
84	4-Nitrophenol	109	7.894	7.894	(1.023)	22106	20.0000	20.12
86	2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	48451	20.0000	20.64
91	Fluorene	166	8.391	8.391	(1.087)	176789	20.0000	19.99
92	Diethylphthalate	149	8.350	8.350	(1.082)	171646	20.0000	19.02
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	71747	20.0000	19.54
94	4-Nitroaniline	138	8.464	8.464	(1.097)	48680	20.0000	20.02
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	23755	20.0000	21.17
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	144502	23.4000	22.92
100	Azobenzene	77	8.609	8.609	(0.888)	175604	20.0000	19.31
101	4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	37921	20.0000	19.86
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	41136	20.0000	19.76
110	Pentachlorophenol	266	9.521	9.521	(0.982)	23021	20.0000	18.71
114	Phenanthrene	178	9.728	9.728	(1.003)	249639	20.0000	19.66
115	Anthracene	178	9.790	9.790	(1.010)	254535	20.0000	20.12
118	Carbazole	167	10.060	10.060	(1.037)	236965	20.0000	20.06
120	Di-n-Butylphthalate	149	10.754	10.754	(1.109)	273588	20.0000	19.36
126	Fluoranthene	202	11.625	11.625	(1.199)	220458	20.0000	19.66
127	Benzidine	184	11.894	11.894	(0.842)	158121	20.0000	21.25
128	Pyrene	202	11.987	11.987	(0.849)	243102	20.0000	19.38
134	3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	130478	20.0000	20.57
136	Butylbenzylphthalate	149	13.303	13.303	(0.942)	121530	20.0000	19.18
138	Benzo(a)Anthracene	228	14.101	14.101	(0.999)	200182	20.0000	19.19
139	Chrysene	228	14.164	14.164	(1.003)	215801	20.0000	19.89
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	74402	20.0000	20.24
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	165990	20.0000	19.20
142	Di-n-octylphthalate	149	15.490	15.490	(1.097)	262325	20.0000	20.67
144	Benzo(b)fluoranthene	252	15.925	15.925	(0.964)	168822	20.0000	19.24
145	Benzo(k)fluoranthene	252	15.967	15.967	(0.967)	217724	20.0000	19.58
147	Benzo(e)pyrene	252	16.350	16.350	(0.990)	176945	20.0000	19.48
148	Benzo(a)pyrene	252	16.433	16.433	(0.995)	204334	20.0000	20.64
151	Indeno(1,2,3-cd)pyrene	276	18.267	18.267	(1.106)	163773	20.0000	20.32(M)
152	Dibenzo(a,h)anthracene	278	18.309	18.309	(1.109)	169908	20.0000	19.14
153	Benzo(g,h,i)perylene	276	18.734	18.734	(1.134)	191908	20.0000	20.18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				386546	20.0000	

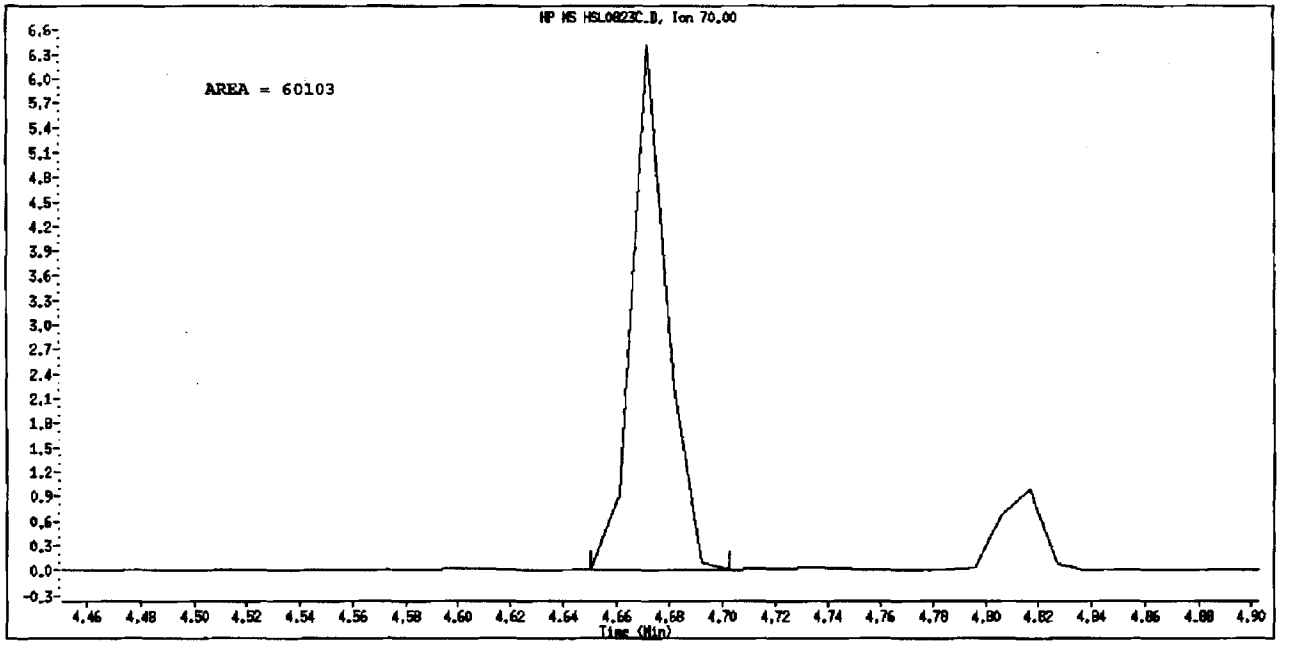
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL0823C.D
Inj. Date and Time: 23-AUG-2010 17:32
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodinpropylamine
CAS #: 621-64-7
Report Date: 08/24/2010



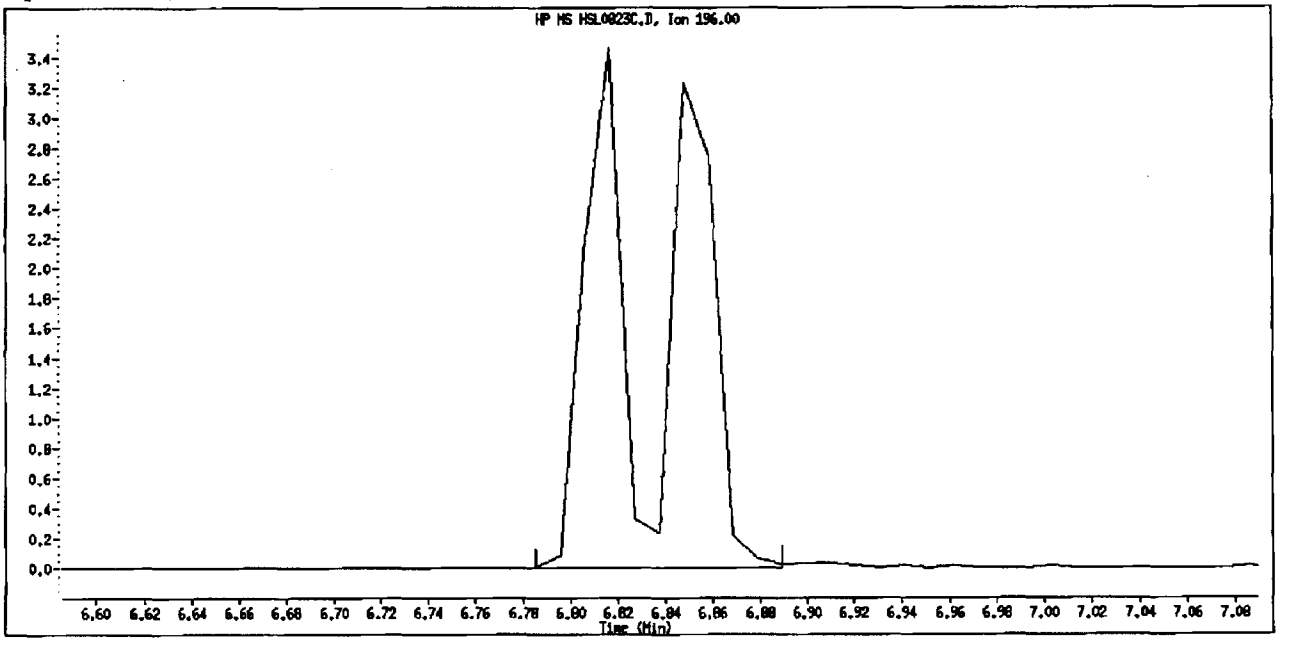
Original Integration



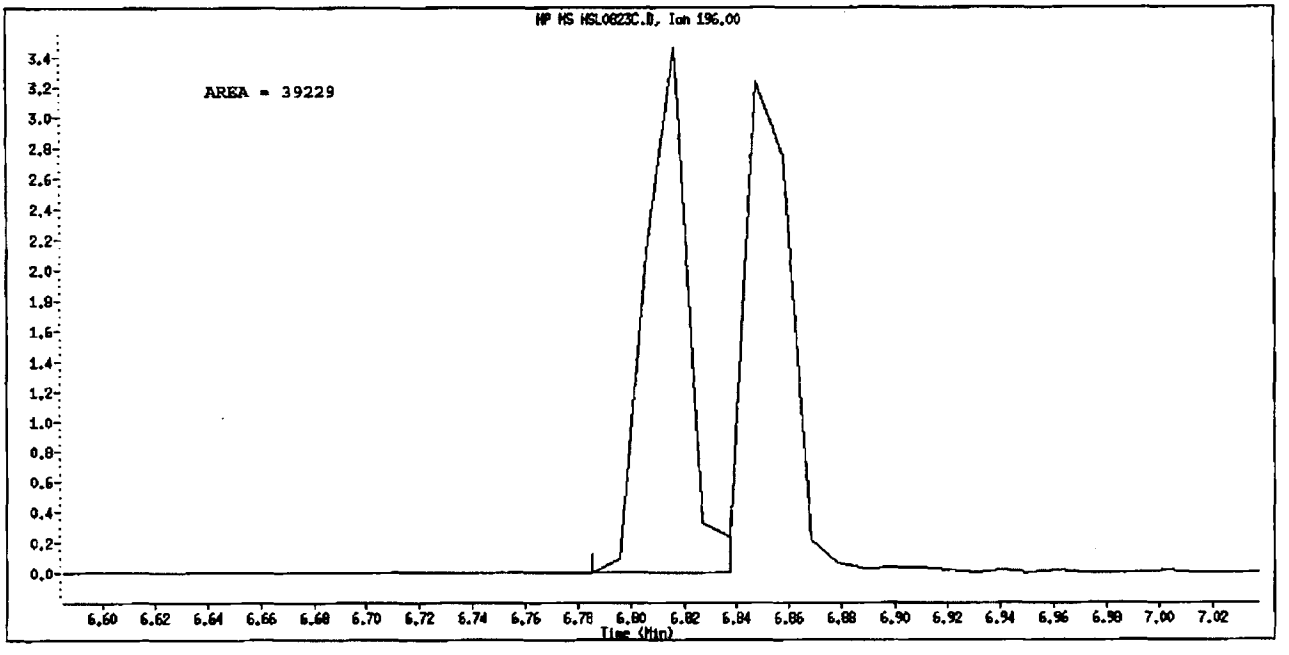
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Peak Not Found

Data File Name: HSL0823C.D
Inj. Date and Time: 23-AUG-2010 17:32
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,6-Trichlorophenol
CAS #: 88-06-2
Report Date: 08/24/2010



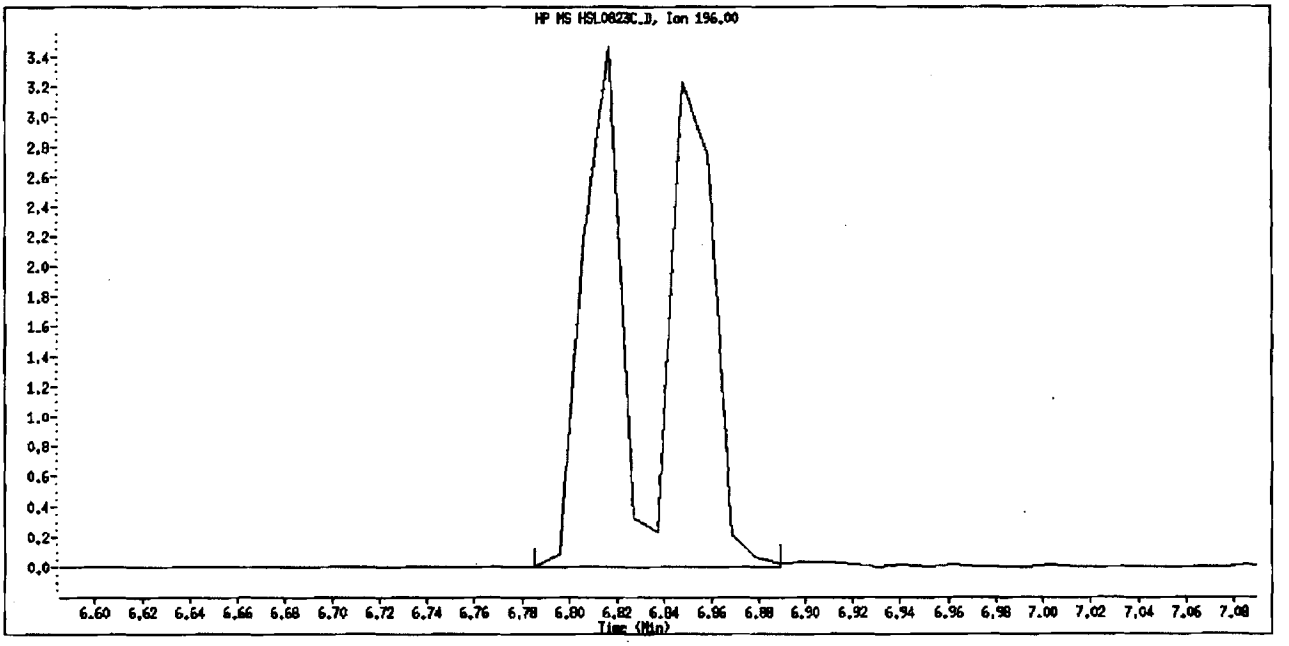
Original Integration



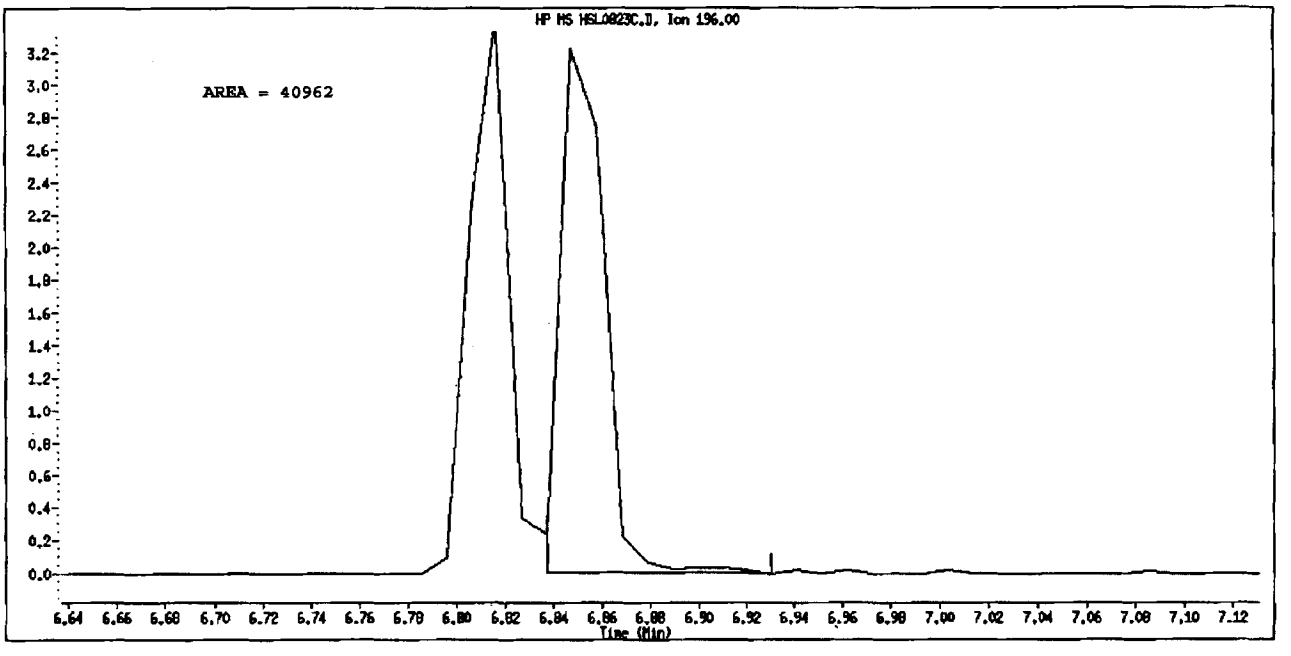
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823C.D
Inj. Date and Time: 23-AUG-2010 17:32
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorphenol
CAS #: 95-95-4
Report Date: 08/24/2010



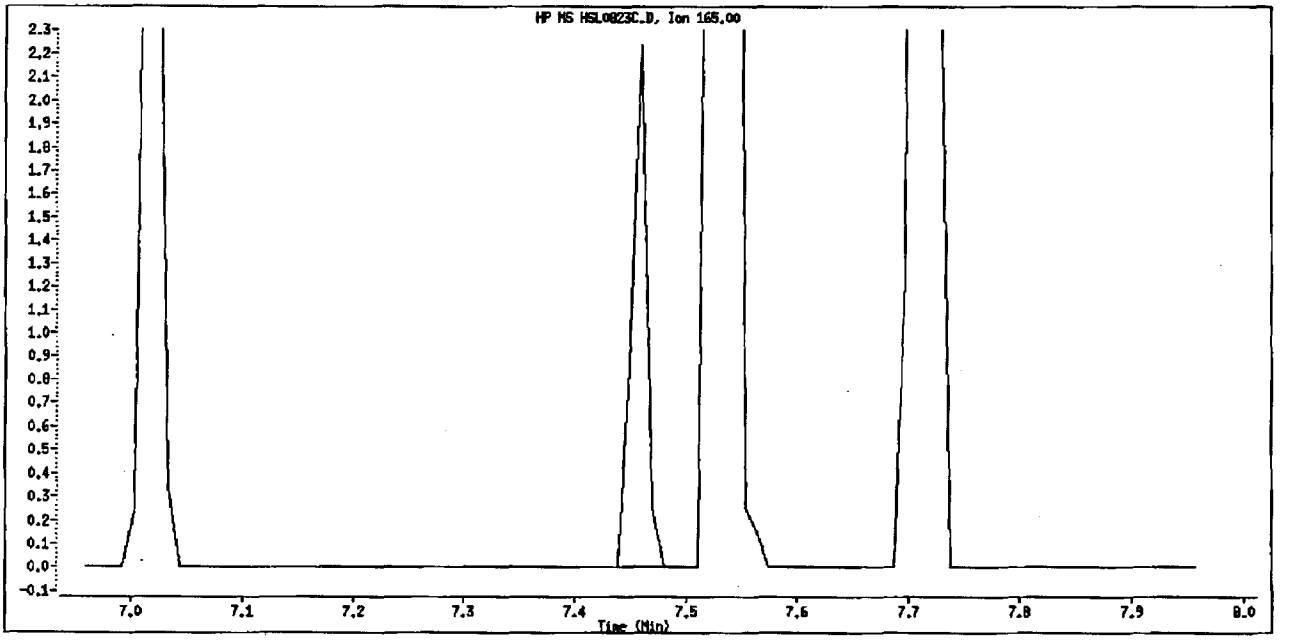
Original Integration



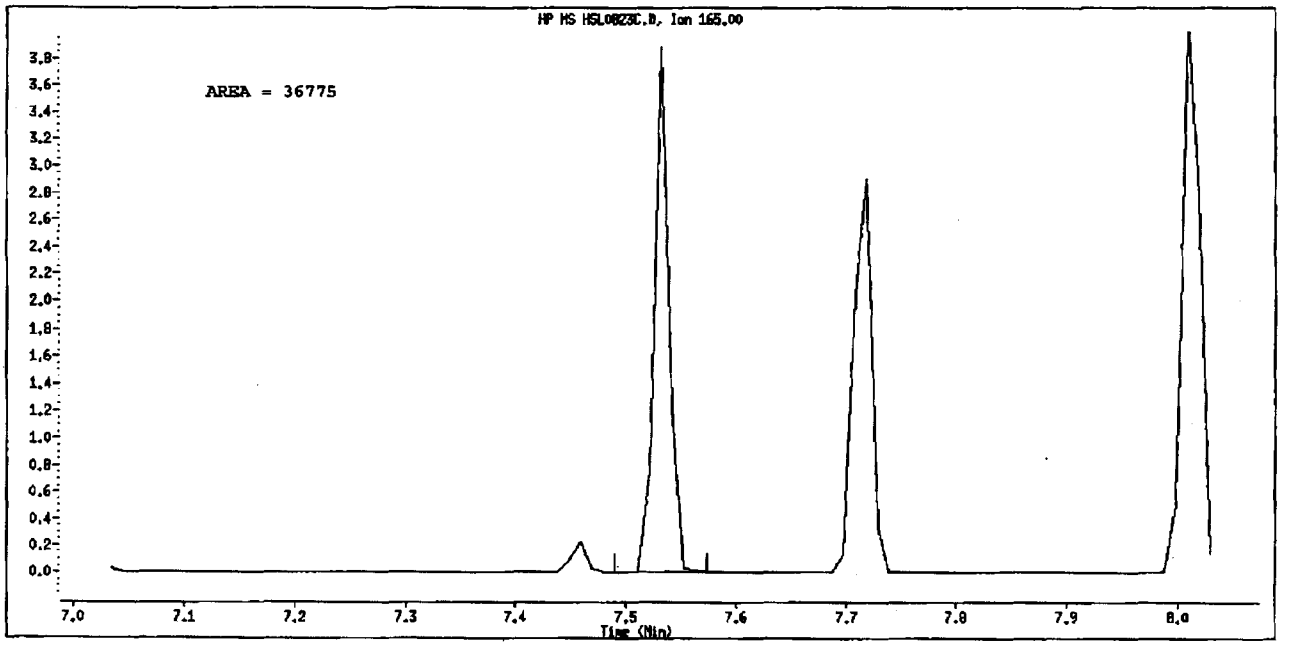
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823C.D
Inj. Date and Time: 23-AUG-2010 17:32
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 08/24/2010



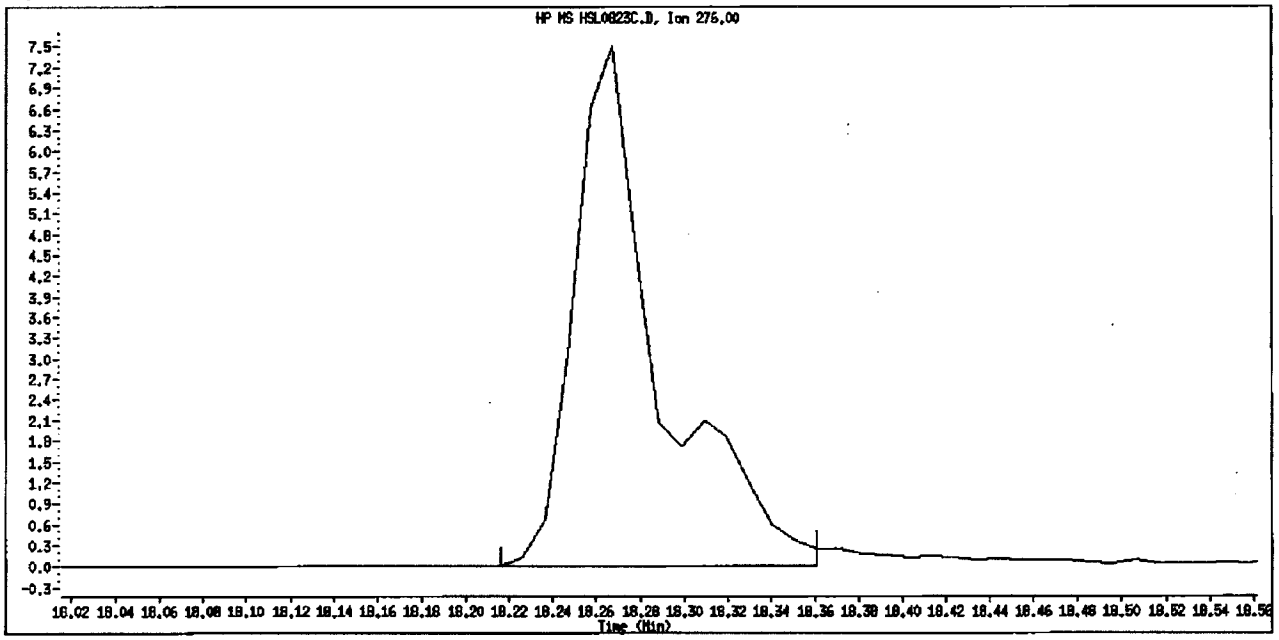
Original Integration



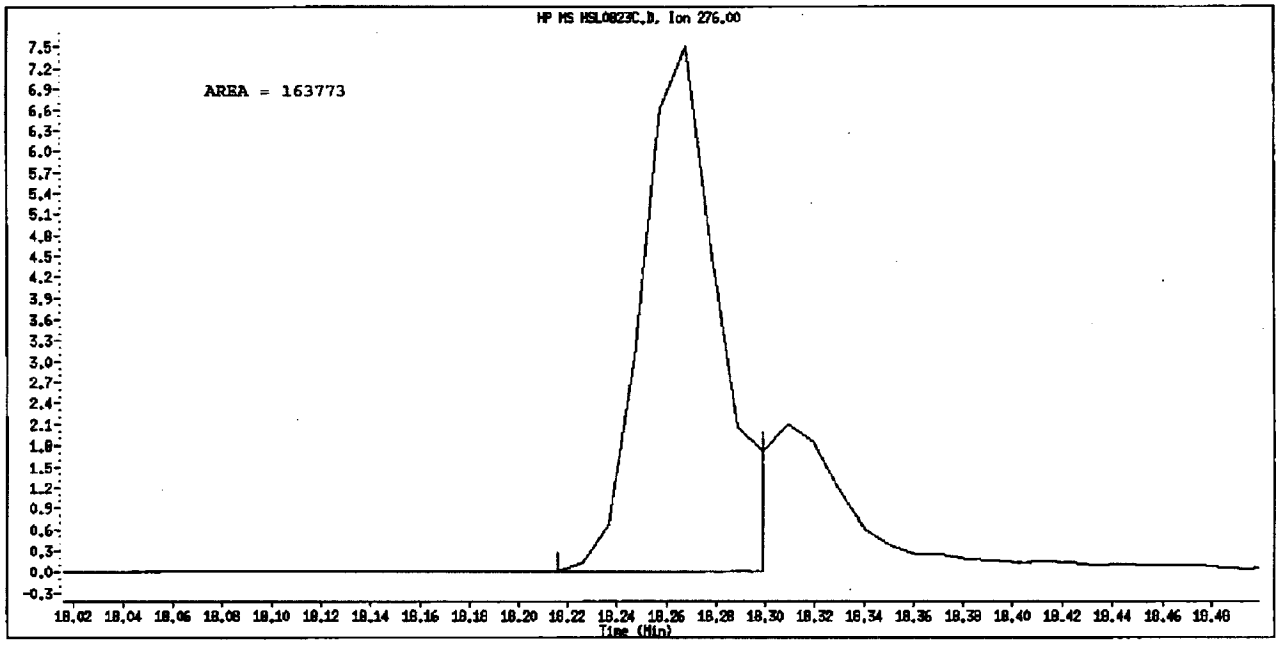
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: ~~Unknown~~ Wrong Peak. 8/24/10

Data File Name: HSL0823C.D
Inj. Date and Time: 23-AUG-2010 17:32
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/24/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 17:32
Operator : KT Inst ID: sv5.i
Smp Info : HSL_020 ug/ml CS-3;1;;3;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 12:12 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 22:37 Cal File: AP90817C.D
Als bottle: 94 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	109250	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	505594	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	263989	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	403871	40.0000	
* 5	Chrysene-d12	240	14.122	14.122	(1.000)	393840	40.0000	
* 6	Perylene-d12	264	16.516	16.516	(1.000)	384719	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	81001	20.0000	20.05
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	105822	20.0000	20.45
$ 9	2-Chlorophenol-d4	132	3.977	3.977	(0.950)	87371	20.0000	20.02
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	55793	20.0000	20.54
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	88730	20.0000	19.53
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	163735	20.0000	19.60
$ 13	2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	19280	20.0000	18.67
$ 14	Terphenyl-d14	244	12.340	12.340	(0.874)	148459	20.0000	19.48
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	54601	20.0000	19.64
16	Pyridine	79	1.956	1.956	(0.468)	95567	20.0000	20.74
23	Aniline	93	3.883	3.883	(0.928)	129647	20.0000	20.01
24	Phenol	94	3.832	3.832	(0.916)	109461	20.0000	19.81
26	Bis(2-chloroethyl)ether	93	3.946	3.946	(0.943)	84734	20.0000	20.34
27	2-Chlorophenol	128	3.997	3.997	(0.955)	88147	20.0000	20.42
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	98532	20.0000	20.69
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	100072	20.0000	20.75
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	58005	20.0000	19.59
31	1,2-Dichlorobenzene	146	4.402	4.402	(1.052)	93441	20.0000	20.51
32	2-Methylphenol	108	4.474	4.474	(1.069)	81370	20.0000	20.01
33	2,2'-oxybis(1-Chloropropane)	45	4.516	4.516	(1.079)	161451	20.0000	20.34
34	4-Methylphenol	108	4.630	4.630	(1.106)	87660	20.0000	20.25
36	Hexachloroethane	117	4.733	4.733	(1.131)	34316	20.0000	20.20
37	N-Nitrosodinpropylamine	70	Compound Not Detected.					
42	Nitrobenzene	77	4.837	4.837	(0.863)	87881	20.0000	19.54
44	Isophorone	82	5.096	5.096	(0.909)	164200	20.0000	19.23
45	2-Nitrophenol	139	5.199	5.199	(0.928)	45834	20.0000	18.95
46	2,4-Dimethyphenol	107	5.231	5.231	(0.933)	89298	20.0000	19.70

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	101820	20.0000	20.07
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	63764	20.0000	19.30
50	Benzoic Acid	122	5.303	5.303	(0.946)	46083	20.0000	19.12
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	70657	20.0000	19.75
52	Naphthalene	128	5.624	5.624	(1.004)	278775	20.0000	19.62
54	4-Chloroaniline	127	5.624	5.624	(1.004)	34814	20.0000	20.16
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	32522	20.0000	19.18
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	74197	20.0000	19.32
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	168501	20.0000	19.62
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	38060	20.0000	18.82
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	78199	20.0000	27.57
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	78199	20.0000	27.35
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	144000	20.0000	19.56
73	2-Nitroaniline	65	7.189	7.189	(0.932)	47152	20.0000	18.74
76	Dimethylphthalate	163	7.459	7.459	(0.966)	167525	20.0000	19.65
77	Acenaphthylene	152	7.521	7.521	(0.974)	253914	20.0000	19.65
79	2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	33608	20.0000	15.89
80	3-Nitroaniline	138	7.687	7.687	(0.996)	49049	20.0000	19.41
81	Acenaphthene	153	7.749	7.749	(1.004)	162598	20.0000	19.76
82	2,4-Dinitrophenol	184	7.811	7.811	(1.012)	19504	20.0000	19.68
83	Dibenzofuran	168	7.946	7.946	(1.030)	213749	20.0000	19.68
84	4-Nitrophenol	109	7.894	7.894	(1.023)	22106	20.0000	19.60
86	2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	48451	20.0000	19.30
91	Fluorene	166	8.391	8.391	(1.087)	176789	20.0000	19.86
92	Diethylphthalate	149	8.350	8.350	(1.082)	171646	20.0000	19.21
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	71747	20.0000	19.63
94	4-Nitroaniline	138	8.464	8.464	(1.097)	48680	20.0000	19.49
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	23755	20.0000	19.08
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	144502	23.4000	22.85
100	Azobenzene	77	8.609	8.609	(0.888)	175604	20.0000	19.68
101	4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	37921	20.0000	19.57
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	41136	20.0000	19.64
110	Pentachlorophenol	266	9.521	9.521	(0.982)	23021	20.0000	17.74
114	Phenanthrene	178	9.728	9.728	(1.003)	249639	20.0000	19.74
115	Anthracene	178	9.790	9.790	(1.010)	254535	20.0000	20.00
118	Carbazole	167	10.060	10.060	(1.037)	236965	20.0000	19.93
120	Di-n-Butylphthalate	149	10.754	10.754	(1.109)	273588	20.0000	19.00
126	Fluoranthene	202	11.625	11.625	(1.199)	220458	20.0000	19.29
127	Benzidine	184	11.894	11.894	(0.842)	158121	20.0000	19.53
128	Pyrene	202	11.987	11.987	(0.849)	243102	20.0000	19.88
134	3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	130478	20.0000	19.08
136	Butylbenzylphthalate	149	13.303	13.303	(0.942)	121530	20.0000	19.21
138	Benzo(a)Anthracene	228	14.101	14.101	(0.999)	200182	20.0000	19.22
139	Chrysene	228	14.164	14.164	(1.003)	215801	20.0000	20.03
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	74402	20.0000	19.66
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	165990	20.0000	18.98
142	Di-n-octylphthalate	149	15.490	15.490	(1.097)	262325	20.0000	19.17
144	Benzo(b)fluoranthene	252	15.925	15.925	(0.964)	168822	20.0000	18.48
145	Benzo(k)fluoranthene	252	15.967	15.967	(0.967)	217724	20.0000	20.33
147	Benzo(e)pyrene	252	16.350	16.350	(0.990)	176945	20.0000	19.54
148	Benzo(a)pyrene	252	16.433	16.433	(0.995)	204334	20.0000	20.44
151	Indeno(1,2,3-cd)pyrene	276	18.267	18.267	(1.106)	202321	20.0000	20.43
152	Dibenzo(a,h)anthracene	278	18.309	18.309	(1.109)	169908	20.0000	18.74
153	Benzo(g,h,i)perylene	276	18.734	18.734	(1.134)	191908	20.0000	19.82

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				386546	20.0000	19.48(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica WestSacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823C.D
Lab Smp Id: HSL_020 ug/ml CS-3
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	109250	-2.80
2 Naphthalene-d8	494728	247364	989456	505594	2.20
3 Acenaphthene-d10	264752	132376	529504	263989	-0.29
4 Phenanthrene-d10	415811	207906	831622	403871	-2.87
5 Chrysene-d12	431516	215758	863032	393840	-8.73
6 Perylene-d12	416460	208230	832920	384719	-7.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.12	-0.07
6 Perylene-d12	16.53	16.03	17.03	16.52	-0.06

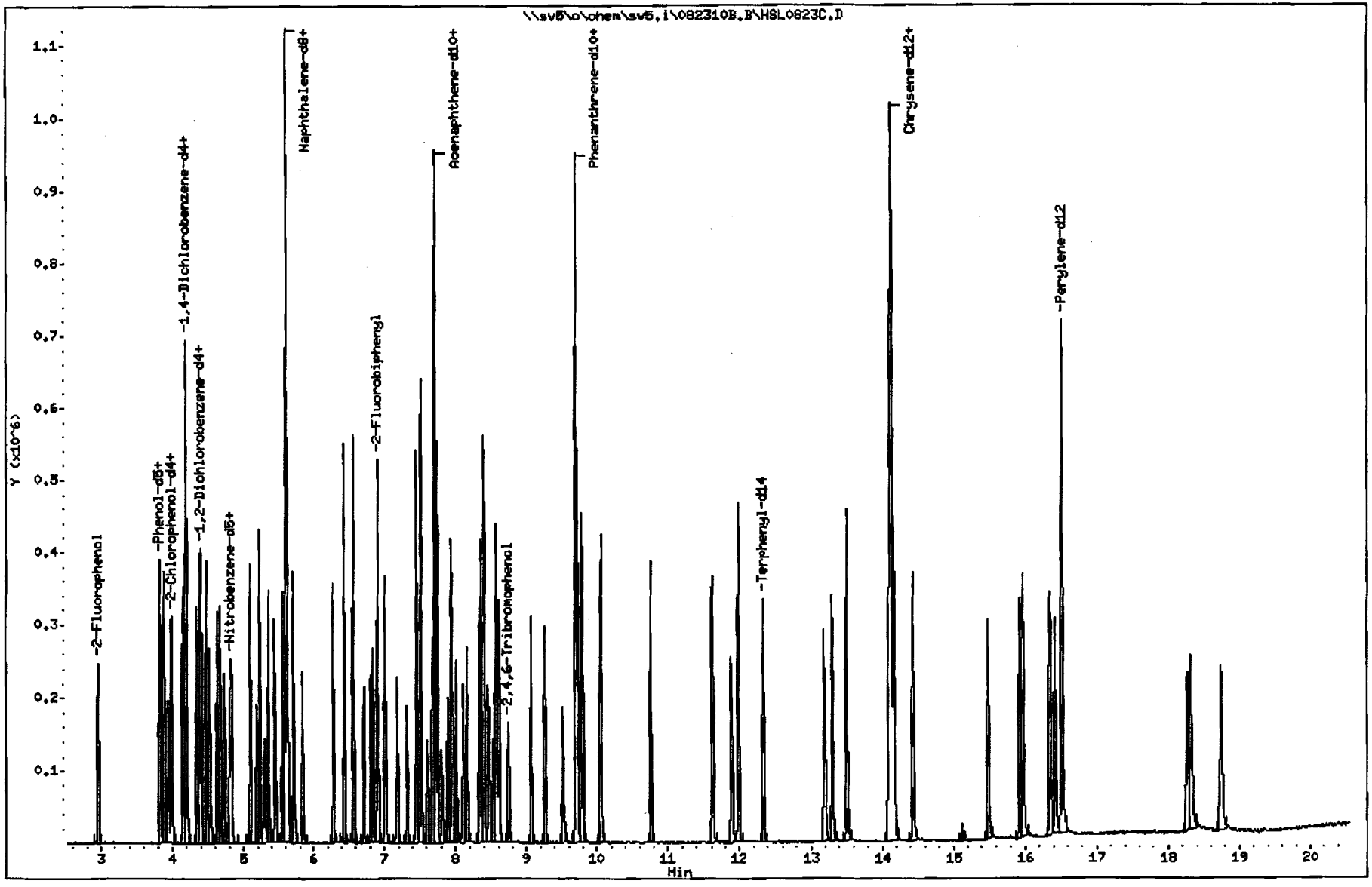
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\c\chem\sv5.i\082310B.B\HSL0823C.D
Date : 23-AUG-2010 17:32
Client ID: 8270F.M
Sample Info: HSL_020 ug/ml CS-3;1;;3;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



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Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823D.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 16:14
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;1;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 15:54 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 95 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	112399	40.0000	
* 2	Naphthalene-d8	136	5.603	5.603	(1.000)	494728	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	264752	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	415811	40.0000	
* 5	Chrysene-d12	240	14.132	14.132	(1.000)	431516	40.0000	
* 6	Perylene-d12	264	16.526	16.526	(1.000)	416460	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	205458	50.0000	49.78
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	268577	50.0000	50.61
$ 9	2-Chlorophenol-d4	132	3.976	3.976	(0.950)	221459	50.0000	50.05
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	134259	50.0000	48.39
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	220739	50.0000	51.27
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	408804	50.0000	48.83
$ 13	2,4,6-Tribromophenol	330	8.743	8.743	(1.133)	55963	50.0000	59.34
$ 14	Terphenyl-d14	244	12.339	12.339	(0.873)	410782	50.0000	48.67
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	139987	50.0000	48.74
16	Pyridine	79	1.956	1.956	(0.468)	229677	50.0000	47.89
23	Aniline	93	3.883	3.883	(0.928)	335570	50.0000	49.52
24	Phenol	94	3.842	3.842	(0.918)	283543	50.0000	50.36
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	210388	50.0000	47.87
27	2-Chlorophenol	128	3.997	3.997	(0.955)	222487	50.0000	50.06
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	240570	50.0000	49.12
29	1,4-Dichlorobenzene	146	4.204	4.204	(1.005)	249353	50.0000	49.66
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	145798	50.0000	48.70(M)
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	231012	50.0000	49.98
32	2-Methylphenol	108	4.474	4.474	(1.069)	213241	50.0000	50.50
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	408964	50.0000	46.36
34	4-Methylphenol	108	4.629	4.629	(1.106)	225711	50.0000	51.20
36	Hexachloroethane	117	4.733	4.733	(1.131)	85571	50.0000	50.04
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	157958	50.0000	50.10
42	Nitrobenzene	77	4.837	4.837	(0.863)	218289	50.0000	50.43
44	Isophorone	82	5.096	5.096	(0.909)	421458	50.0000	49.46
45	2-Nitrophenol	139	5.199	5.199	(0.928)	118778	50.0000	56.74
46	2,4-Dimethyphenol	107	5.230	5.230	(0.933)	221144	50.0000	49.50

GM 8/24/10

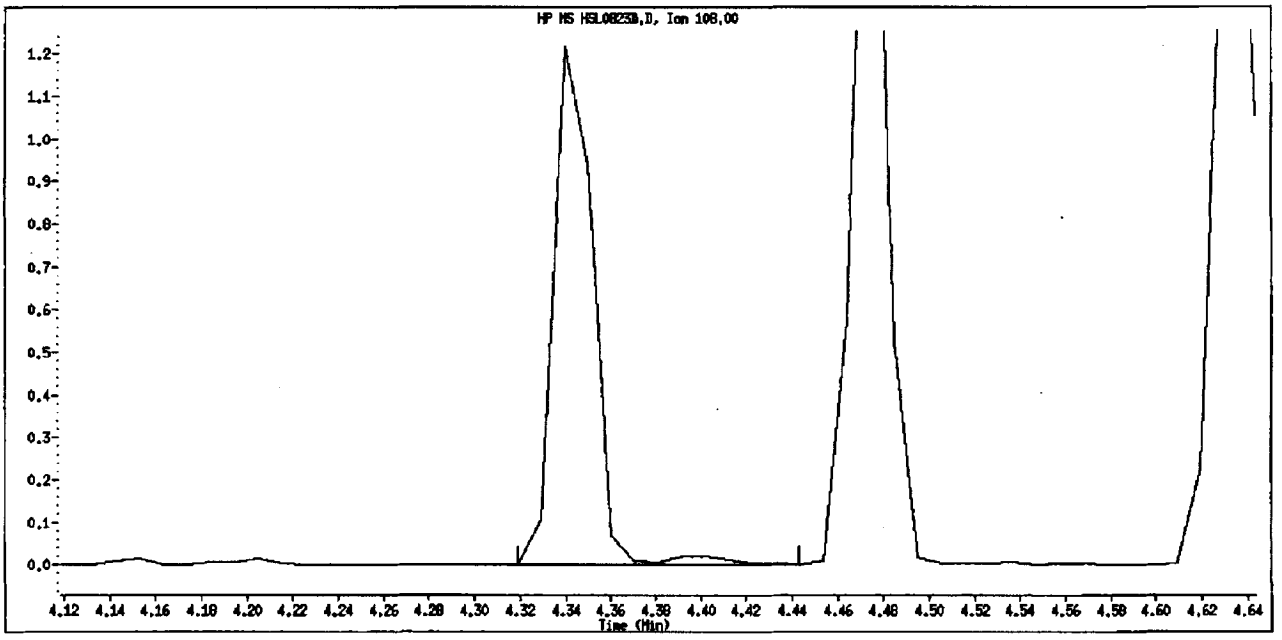
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	250850	50.0000	50.22
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	160069	50.0000	51.19
50	Benzoic Acid	122	5.324	5.324	(0.950)	126954	50.0000	60.75
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	174548	50.0000	49.85
52	Naphthalene	128	5.624	5.624	(1.004)	675505	50.0000	48.38
54	4-Chloroaniline	127	5.717	5.717	(1.020)	276712	50.0000	50.71(H)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	82264	50.0000	50.53
60	4-Chloro-3-Methylphenol	107	6.287	6.287	(1.122)	196300	50.0000	52.76
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	434535	50.0000	51.00
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	101538	50.0000	56.85
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	102899	50.0000	52.12
70	2,4,5-Trichlorphenol	196	6.857	6.857	(0.889)	110752	50.0000	51.84(H)
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	364574	50.0000	48.98
73	2-Nitroaniline	65	7.189	7.189	(0.932)	129414	50.0000	56.50
76	Dimethylphthalate	163	7.458	7.458	(0.966)	436804	50.0000	50.28
77	Acenaphthylene	152	7.531	7.531	(0.976)	662377	50.0000	51.04
79	2,6-Dinitrotoluene	165	7.531	7.531	(0.976)	100573	50.0000	54.67(M)
80	3-Nitroaniline	138	7.686	7.686	(0.996)	128681	50.0000	52.77
81	Acenaphthene	153	7.759	7.759	(1.005)	414884	50.0000	49.76
82	2,4-Dinitrophenol	184	7.821	7.821	(1.013)	58321	50.0000	66.60
83	Dibenzofuran	168	7.956	7.956	(1.031)	549537	50.0000	50.20
84	4-Nitrophenol	109	7.894	7.894	(1.023)	60036	50.0000	56.00(M)
86	2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	136877	50.0000	53.86
91	Fluorene	166	8.401	8.401	(1.089)	455790	50.0000	51.19
92	Diethylphthalate	149	8.350	8.350	(1.082)	455938	50.0000	49.07
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	187665	50.0000	51.48
94	4-Nitroaniline	138	8.474	8.474	(1.098)	132533	50.0000	55.70
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	72789	50.0000	61.40
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	380542	58.6000	59.98
100	Azobenzene	77	8.619	8.619	(0.889)	473134	50.0000	50.09
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	98527	50.0000	50.30
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	107486	50.0000	49.94
110	Pentachlorophenol	266	9.521	9.521	(0.982)	72603	50.0000	60.89
114	Phenanthrene	178	9.728	9.728	(1.003)	662315	50.0000	50.56
115	Anthracene	178	9.801	9.801	(1.011)	671351	50.0000	52.09
118	Carbazole	167	10.060	10.060	(1.037)	629098	50.0000	52.25
120	Di-n-Butylphthalate	149	10.764	10.764	(1.110)	767534	50.0000	53.34
126	Fluoranthene	202	11.624	11.624	(1.199)	606688	50.0000	53.58
127	Benzidine	184	11.894	11.894	(0.842)	469113	50.0000	56.09
128	Pyrene	202	11.987	11.987	(0.848)	660740	50.0000	47.91
134	3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	400775	50.0000	55.08
136	Butylbenzylphthalate	149	13.314	13.314	(0.942)	351167	50.0000	52.81
138	Benzo(a)Anthracene	228	14.101	14.101	(0.998)	572037	50.0000	50.91
139	Chrysene	228	14.174	14.174	(1.003)	582798	50.0000	48.81
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.000)	208679	50.0000	54.75
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	491643	50.0000	53.62
142	Di-n-octylphthalate	149	15.490	15.490	(1.096)	807651	50.0000	56.36
144	Benzo(b)fluoranthene	252	15.935	15.935	(0.964)	525609	50.0000	54.98
145	Benzo(k)fluoranthene	252	15.977	15.977	(0.967)	591853	50.0000	49.43
147	Benzo(e)pyrene	252	16.360	16.360	(0.990)	505653	50.0000	51.50
148	Benzo(a)pyrene	252	16.433	16.433	(0.994)	561548	50.0000	53.14
151	Indeno(1,2,3-cd)pyrene	276	18.267	18.267	(1.105)	448500	50.0000	53.87
152	Dibenzo(a,h)anthracene	278	18.319	18.319	(1.108)	506069	50.0000	54.23
153	Benzo(g,h,i)perylene	276	18.744	18.744	(1.134)	533156	50.0000	53.68

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1117462	50.0000	

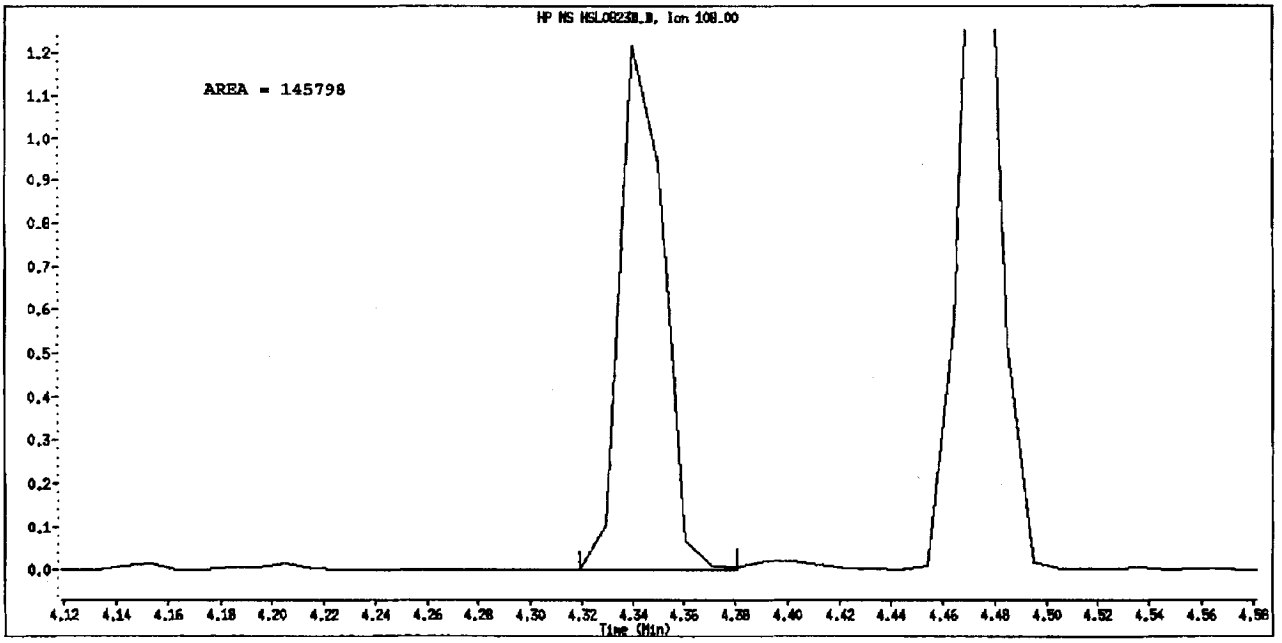
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL0823D.D
Inj. Date and Time: 23-AUG-2010 16:14
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Benzyl Alcohol
CAS #: 100-51-6
Report Date: 08/24/2010



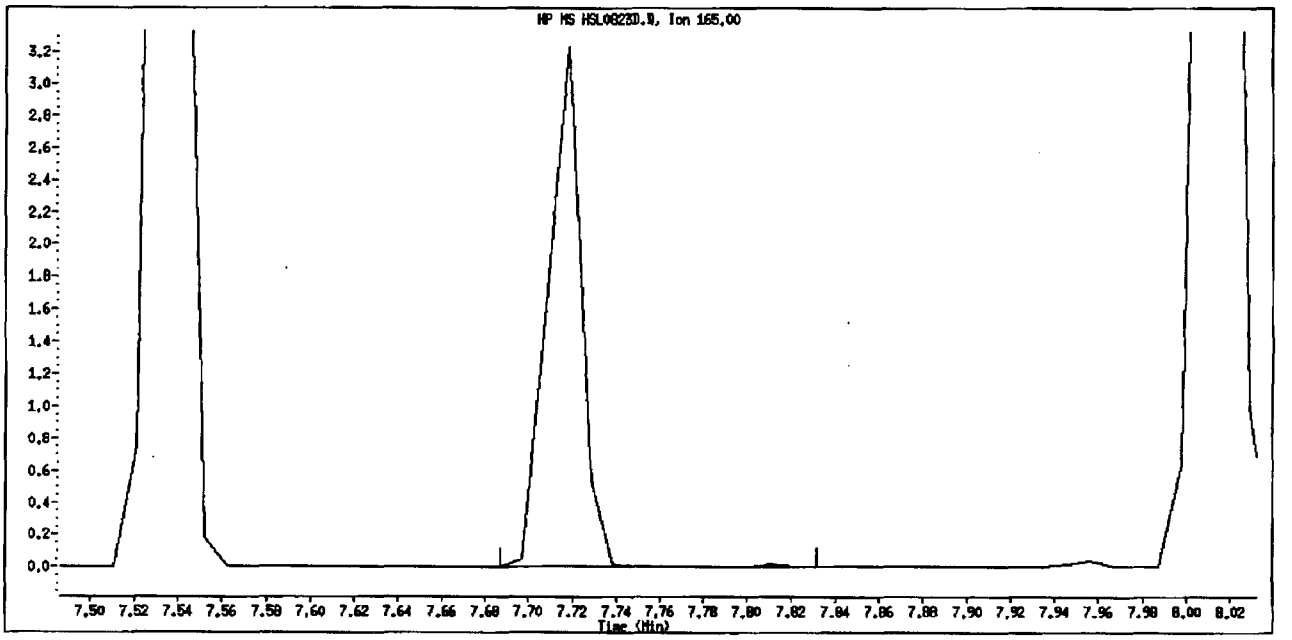
Original Integration



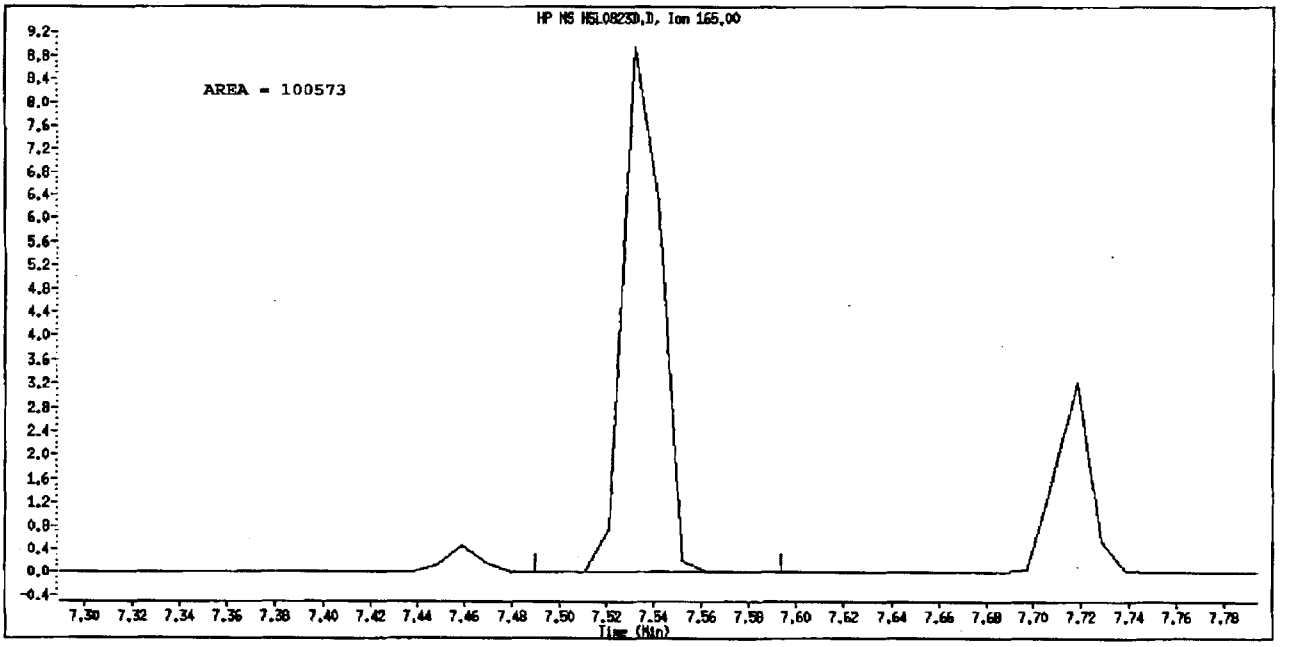
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823D.D
Inj. Date and Time: 23-AUG-2010 16:14
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 08/24/2010



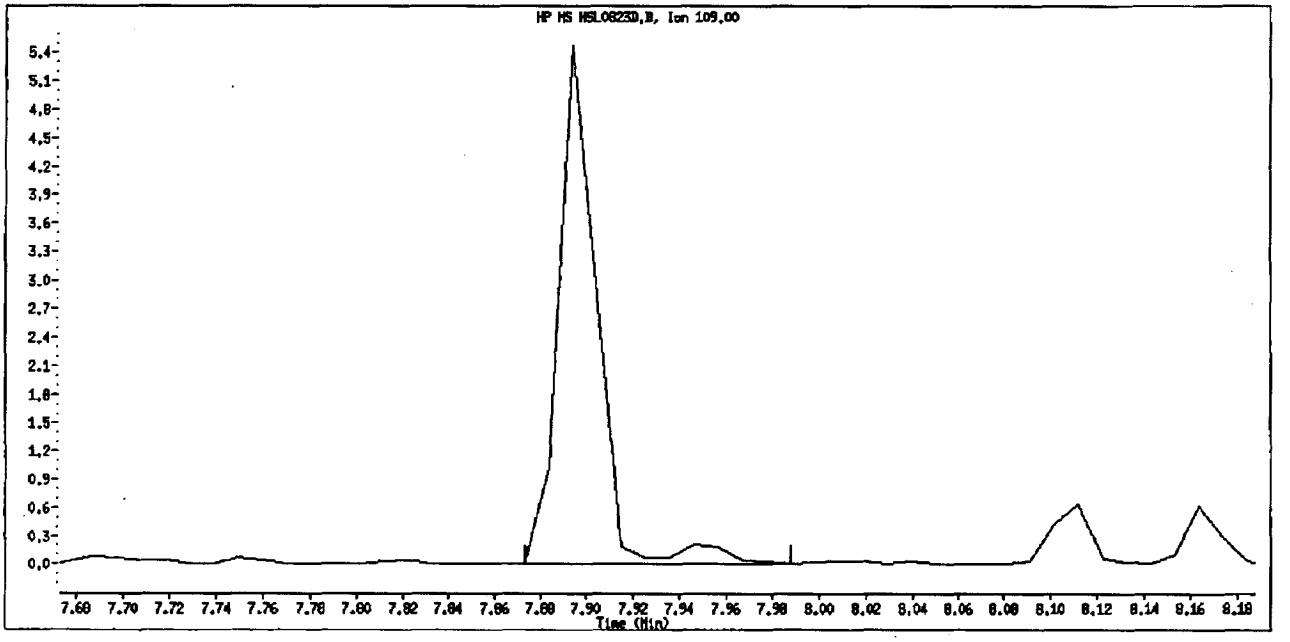
Original Integration



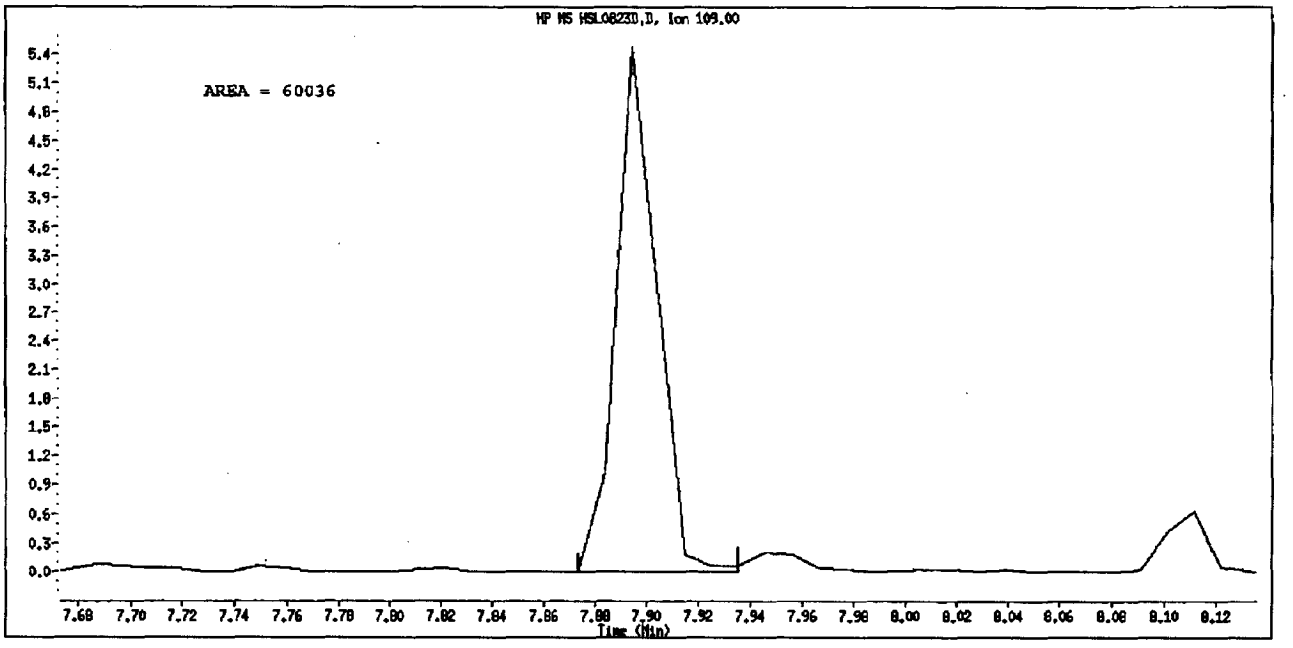
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Wrong Peak

Data File Name: HSL0823D.D
Inj. Date and Time: 23-AUG-2010 16:14
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/24/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823D.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 16:14
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;1;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 12:08 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 95 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	112399	40.0000	
* 2	Naphthalene-d8	136	5.603	5.603	(1.000)	494728	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	264752	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	415811	40.0000	
* 5	Chrysene-d12	240	14.132	14.132	(1.000)	431516	40.0000	
* 6	Perylene-d12	264	16.526	16.526	(1.000)	416460	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	205458	50.0000	49.43
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	268577	50.0000	50.44
$ 9	2-Chlorophenol-d4	132	3.976	3.976	(0.950)	221459	50.0000	49.31
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	134259	50.0000	48.05
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	220739	50.0000	49.66
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	408804	50.0000	48.79
$ 13	2,4,6-Tribromophenol	330	8.743	8.743	(1.133)	55963	50.0000	54.03
$ 14	Terphenyl-d14	244	12.339	12.339	(0.873)	410782	50.0000	49.20
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	139987	50.0000	48.93
16	Pyridine	79	1.956	1.956	(0.468)	229677	50.0000	48.45
23	Aniline	93	3.883	3.883	(0.928)	335570	50.0000	50.33
24	Phenol	94	3.842	3.842	(0.918)	283543	50.0000	49.88
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	210388	50.0000	49.08
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28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	240570	50.0000	49.11
29	1,4-Dichlorobenzene	146	4.204	4.204	(1.005)	249353	50.0000	50.25
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	149319	50.0000	48.86
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	231012	50.0000	49.30
32	2-Methylphenol	108	4.474	4.474	(1.069)	213241	50.0000	50.96
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	408964	50.0000	50.09
34	4-Methylphenol	108	4.629	4.629	(1.106)	225711	50.0000	50.67
36	Hexachloroethane	117	4.733	4.733	(1.131)	85571	50.0000	48.95
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	157958	50.0000	50.27
42	Nitrobenzene	77	4.837	4.837	(0.863)	218289	50.0000	49.61
44	Isophorone	82	5.096	5.096	(0.909)	421458	50.0000	50.46
45	2-Nitrophenol	139	5.199	5.199	(0.928)	118778	50.0000	50.19
46	2,4-Dimethyphenol	107	5.230	5.230	(0.933)	221144	50.0000	49.85

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
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50	Benzoic Acid	122	5.324	5.324	(0.950)	126954	50.0000	48.34
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	174548	50.0000	49.87
52	Naphthalene	128	5.624	5.624	(1.004)	675505	50.0000	48.58
54	4-Chloroaniline	127	5.624	5.624	(1.004)	85478	50.0000	50.59
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	82264	50.0000	49.59
60	4-Chloro-3-Methylphenol	107	6.287	6.287	(1.122)	196300	50.0000	52.24
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	434535	50.0000	51.70
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	101538	50.0000	50.06
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	102899	50.0000	36.17
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	102899	50.0000	36.17
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	364574	50.0000	49.37
73	2-Nitroaniline	65	7.189	7.189	(0.932)	129414	50.0000	51.30
76	Dimethylphthalate	163	7.458	7.458	(0.966)	436804	50.0000	51.10
77	Acenaphthylene	152	7.531	7.531	(0.976)	662377	50.0000	51.10
79	2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	33491	50.0000	17.36
80	3-Nitroaniline	138	7.686	7.686	(0.996)	128681	50.0000	50.77
81	Acenaphthene	153	7.759	7.759	(1.005)	414884	50.0000	50.28
82	2,4-Dinitrophenol	184	7.821	7.821	(1.013)	58321	50.0000	50.59
83	Dibenzofuran	168	7.956	7.956	(1.031)	549537	50.0000	50.46
84	4-Nitrophenol	109	7.894	7.894	(1.023)	62763	50.0000	55.11
86	2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	136877	50.0000	50.74
91	Fluorene	166	8.401	8.401	(1.089)	455790	50.0000	51.05
92	Diethylphthalate	149	8.350	8.350	(1.082)	455938	50.0000	50.88
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	187665	50.0000	51.19
94	4-Nitroaniline	138	8.474	8.474	(1.098)	132533	50.0000	52.92
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	72789	50.0000	50.48
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	380542	58.6000	58.46
100	Azobenzene	77	8.619	8.619	(0.889)	473134	50.0000	51.51
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	98527	50.0000	49.39
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	107486	50.0000	49.84
110	Pentachlorophenol	266	9.521	9.521	(0.982)	72603	50.0000	54.35
114	Phenanthrene	178	9.728	9.728	(1.003)	662315	50.0000	50.88
115	Anthracene	178	9.801	9.801	(1.011)	671351	50.0000	51.25
118	Carbazole	167	10.060	10.060	(1.037)	629098	50.0000	51.39
120	Di-n-Butylphthalate	149	10.764	10.764	(1.110)	767534	50.0000	51.78
126	Fluoranthene	202	11.624	11.624	(1.199)	606688	50.0000	51.57
127	Benzidine	184	11.894	11.894	(0.842)	469113	50.0000	50.27
128	Pyrene	202	11.987	11.987	(0.848)	660740	50.0000	49.32
134	3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	400775	50.0000	49.15
136	Butylbenzylphthalate	149	13.314	13.314	(0.942)	351167	50.0000	50.65
138	Benzo(a)Anthracene	228	14.101	14.101	(0.998)	572037	50.0000	50.14
139	Chrysene	228	14.174	14.174	(1.003)	582798	50.0000	49.38
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.000)	208679	50.0000	50.32
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	491643	50.0000	51.30
142	Di-n-octylphthalate	149	15.490	15.490	(1.096)	807651	50.0000	49.78
144	Benzo(b)fluoranthene	252	15.935	15.935	(0.964)	525609	50.0000	53.16
145	Benzo(k)fluoranthene	252	15.977	15.977	(0.967)	591853	50.0000	51.06
147	Benzo(e)pyrene	252	16.360	16.360	(0.990)	505653	50.0000	51.59
148	Benzo(a)pyrene	252	16.433	16.433	(0.994)	561548	50.0000	51.90
151	Indeno(1,2,3-cd)pyrene	276	18.267	18.267	(1.105)	448500	50.0000	41.84
152	Dibenzo(a,h)anthracene	278	18.319	18.319	(1.108)	506069	50.0000	51.56
153	Benzo(g,h,i)perylene	276	18.744	18.744	(1.134)	533156	50.0000	50.88

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1117462	50.0000	52.03 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica WestSacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823D.D
Lab Smp Id: HSL_050 ug/ml CS-4
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	112399	0.00
2 Naphthalene-d8	494728	247364	989456	494728	0.00
3 Acenaphthene-d10	264752	132376	529504	264752	0.00
4 Phenanthrene-d10	415811	207906	831622	415811	0.00
5 Chrysene-d12	431516	215758	863032	431516	0.00
6 Perylene-d12	416460	208230	832920	416460	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53	16.03	17.03	16.53	0.00

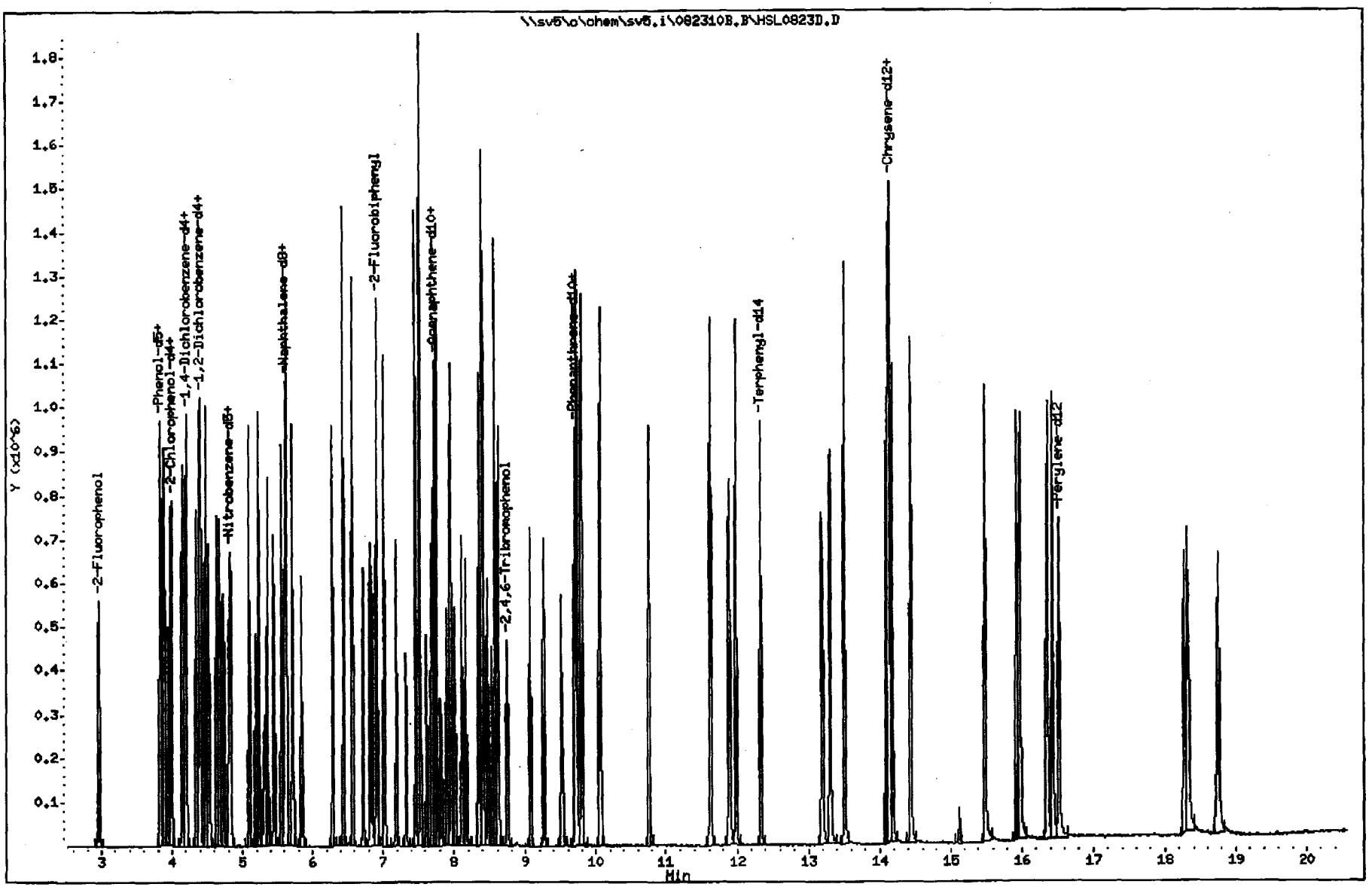
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\c\chem\sv5.i\082310B.B\HSL0823D.D
Date : 23-AUG-2010 16:14
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml CS-4;1;;4;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823E.D
Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 17:58
Operator : KT Inst ID: sv5.i
Smp Info : HSL_080 ug/ml CS-5;1;;5;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 15:55 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 22:37 Cal File: AP90817C.D
Als bottle: 96 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	118396	40.0000		(Q)
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	521662	40.0000		
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	277616	40.0000		
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	436069	40.0000		
* 5	Chrysene-d12	240	14.132	14.132	(1.000)	433224	40.0000		
* 6	Perylene-d12	264	16.526	16.526	(1.000)	427303	40.0000		
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	349327	80.0000	80.26	
$ 8	Phenol-d5	99	3.831	3.831	(0.916)	457687	80.0000	81.62	
$ 9	2-Chlorophenol-d4	132	3.977	3.977	(0.950)	378697	80.0000	80.34	
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	231328	80.0000	78.69	
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	378263	80.0000	81.91	
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	694956	80.0000	78.98	
$ 13	2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	92395	80.0000	87.53	
$ 14	Terphenyl-d14	244	12.340	12.340	(0.873)	681363	80.0000	79.79	
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	238169	80.0000	78.91	
16	Pyridine	79	1.956	1.956	(0.468)	394667	80.0000	79.31	
23	Aniline	93	3.883	3.883	(0.928)	565523	80.0000	80.55	
24	Phenol	94	3.842	3.842	(0.918)	474870	80.0000	80.12	
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	354092	80.0000	78.00	
27	2-Chlorophenol	128	3.997	3.997	(0.955)	372871	80.0000	79.53	
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	407979	80.0000	79.25	
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	415272	80.0000	79.51	
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	256102	80.0000	80.33	
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	389664	80.0000	78.83	
32	2-Methylphenol	108	4.474	4.474	(1.069)	356302	80.0000	80.74	
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	684328	80.0000	76.95	
34	4-Methylphenol	108	4.640	4.640	(1.109)	380682	80.0000	81.23	
36	Hexachloroethane	117	4.733	4.733	(1.131)	148577	80.0000	81.42	
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	262998	80.0000	78.83	
42	Nitrobenzene	77	4.837	4.837	(0.863)	376430	80.0000	81.32	
44	Isophorone	82	5.096	5.096	(0.909)	719749	80.0000	81.28	
45	2-Nitrophenol	139	5.199	5.199	(0.928)	208879	80.0000	86.55	
46	2,4-Dimethyphenol	107	5.231	5.231	(0.933)	380072	80.0000	81.37	

SMS 8/24/10

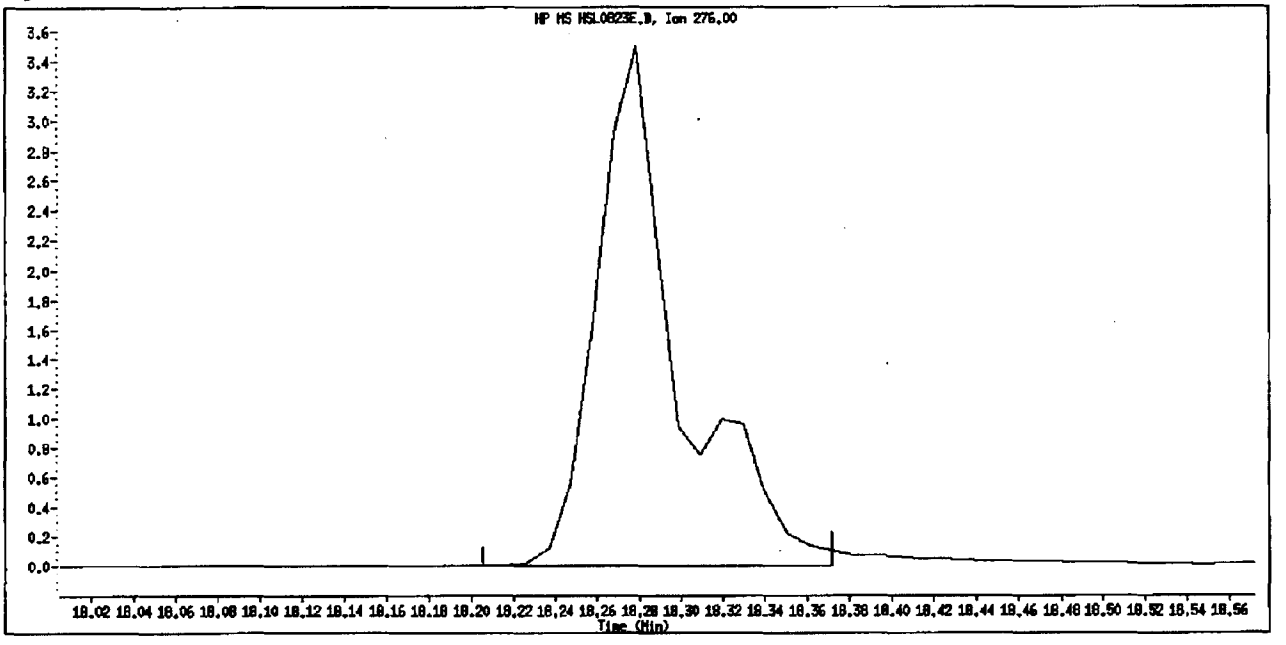
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	421499	80.0000	79.92
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	277736	80.0000	82.33
50	Benzoic Acid	122	5.344	5.344	(0.954)	224297	80.0000	91.52
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	288837	80.0000	78.36
52	Naphthalene	128	5.624	5.624	(1.004)	1171030	80.0000	80.74
54	4-Chloroaniline	127	5.718	5.718	(1.020)	470189	80.0000	91.41(H)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	140316	80.0000	80.89
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	328023	80.0000	82.80
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	715842	80.0000	80.29
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	168858	80.0000	82.19
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	173839	80.0000	84.00(Q)
70	2,4,5-Trichlorphenol	196	6.858	6.858	(0.889)	184619	80.0000	81.32(QH)
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	624038	80.0000	80.70
73	2-Nitroaniline	65	7.189	7.189	(0.932)	220569	80.0000	85.11
76	Dimethylphthalate	163	7.459	7.459	(0.966)	718184	80.0000	79.67
77	Acenaphthylene	152	7.531	7.531	(0.976)	1093153	80.0000	80.40
79	2,6-Dinitrotoluene	165	7.531	7.531	(0.976)	165501	80.0000	83.70(H)
80	3-Nitroaniline	138	7.697	7.697	(0.997)	221843	80.0000	83.71
81	Acenaphthene	153	7.759	7.759	(1.005)	691306	80.0000	80.04
82	2,4-Dinitrophenol	184	7.821	7.821	(1.013)	98584	80.0000	93.12
83	Dibenzofuran	168	7.956	7.956	(1.031)	917683	80.0000	80.33
84	4-Nitrophenol	109	7.894	7.894	(1.023)	94857	80.0000	81.03
86	2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	224616	80.0000	80.48
91	Fluorene	166	8.402	8.402	(1.089)	750264	80.0000	80.34
92	Diethylphthalate	149	8.350	8.350	(1.082)	746547	80.0000	79.03
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	307153	80.0000	79.67
94	4-Nitroaniline	138	8.474	8.474	(1.098)	223757	80.0000	86.53
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	120703	80.0000	87.04
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	626209	93.7000	91.64
100	Azobenzene	77	8.619	8.619	(0.889)	781341	80.0000	80.04
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	164903	80.0000	79.37
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	177558	80.0000	78.91
110	Pentachlorophenol	266	9.521	9.521	(0.982)	116533	80.0000	86.74
114	Phenanthrene	178	9.728	9.728	(1.003)	1069179	80.0000	78.25
115	Anthracene	178	9.801	9.801	(1.011)	1098761	80.0000	80.04
118	Carbazole	167	10.060	10.060	(1.037)	1005124	80.0000	78.42
120	Di-n-Butylphthalate	149	10.764	10.764	(1.110)	1260294	80.0000	81.80
126	Fluoranthene	202	11.624	11.624	(1.199)	987325	80.0000	81.18
127	Benzidine	184	11.894	11.894	(0.842)	755077	80.0000	82.91
128	Pyrene	202	11.987	11.987	(0.848)	1092442	80.0000	79.17
134	3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	657222	80.0000	83.25
136	Butylbenzylphthalate	149	13.314	13.314	(0.942)	581081	80.0000	82.62
138	Benzo(a)Anthracene	228	14.101	14.101	(0.998)	927617	80.0000	80.74
139	Chrysene	228	14.174	14.174	(1.003)	938282	80.0000	78.59
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.000)	345775	80.0000	83.91
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	803315	80.0000	83.56
142	Di-n-octylphthalate	149	15.490	15.490	(1.096)	1314136	80.0000	84.71
144	Benzo(b)fluoranthene	252	15.936	15.936	(0.964)	834970	80.0000	84.58
145	Benzo(k)fluoranthene	252	15.977	15.977	(0.967)	982280	80.0000	80.06
147	Benzo(e)pyrene	252	16.360	16.360	(0.990)	828798	80.0000	82.17
148	Benzo(a)pyrene	252	16.433	16.433	(0.994)	906314	80.0000	81.15
151	Indeno(1,2,3-cd)pyrene	276	18.278	18.278	(1.106)	783078	80.0000	85.78(M)
152	Dibenzo(a,h)anthracene	278	18.329	18.329	(1.109)	835131	80.0000	84.28
153	Benzo(g,h,i)perylene	276	18.754	18.754	(1.135)	859178	80.0000	80.72

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1817250	80.0000	

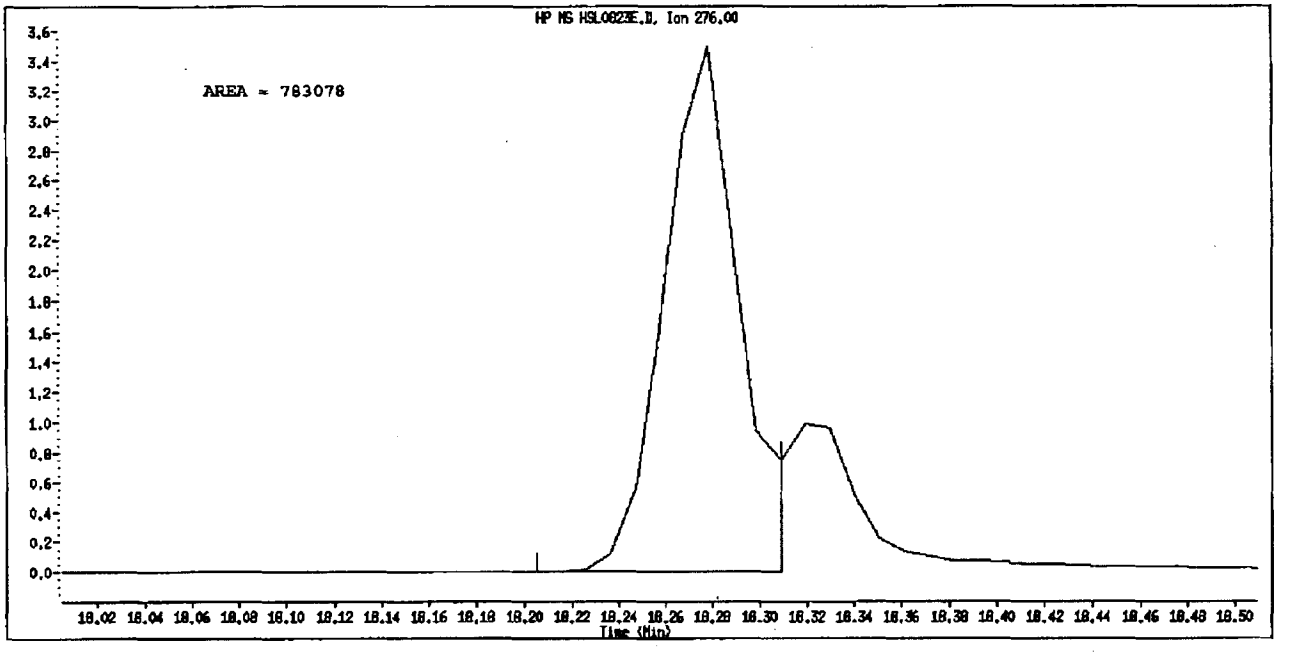
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL0823E.D
Inj. Date and Time: 23-AUG-2010 17:58
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/24/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823E.D
Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 17:58
Operator : KT Inst ID: sv5.i
Smp Info : HSL_080 ug/ml CS-5;1;;5;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 12:12 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 23:03 Cal File: AP90817E.D
Als bottle: 96 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	118396	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	521662	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	277616	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	436069	40.0000	
* 5	Chrysene-d12	240	14.132	14.132	(1.000)	433224	40.0000	
* 6	Perylene-d12	264	16.526	16.526	(1.000)	427303	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	349327	80.0000	79.78
$ 8	Phenol-d5	99	3.831	3.831	(0.916)	457687	80.0000	81.61
$ 9	2-Chlorophenol-d4	132	3.977	3.977	(0.950)	378697	80.0000	80.06
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	231328	80.0000	78.60
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	378263	80.0000	80.71
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	694956	80.0000	79.10
$ 13	2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	92395	80.0000	85.08
$ 14	Terphenyl-d14	244	12.340	12.340	(0.873)	681363	80.0000	81.28
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	238169	80.0000	79.04
16	Pyridine	79	1.956	1.956	(0.468)	394667	80.0000	79.04
23	Aniline	93	3.883	3.883	(0.928)	565523	80.0000	80.53
24	Phenol	94	3.842	3.842	(0.918)	474870	80.0000	79.31
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	354092	80.0000	78.42
27	2-Chlorophenol	128	3.997	3.997	(0.955)	372871	80.0000	79.72
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	407979	80.0000	79.06
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	415272	80.0000	79.44
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	256102	80.0000	79.82
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	389664	80.0000	78.94
32	2-Methylphenol	108	4.474	4.474	(1.069)	356302	80.0000	80.84
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	684328	80.0000	79.57
34	4-Methylphenol	108	4.640	4.640	(1.109)	380682	80.0000	81.14
36	Hexachloroethane	117	4.733	4.733	(1.131)	148577	80.0000	80.69
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	262998	80.0000	79.46
42	Nitrobenzene	77	4.837	4.837	(0.863)	376430	80.0000	81.14
44	Isophorone	82	5.096	5.096	(0.909)	719749	80.0000	81.72
45	2-Nitrophenol	139	5.199	5.199	(0.928)	208879	80.0000	83.71
46	2,4-Dimethyphenol	107	5.231	5.231	(0.933)	380072	80.0000	81.26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	421499	80.0000	80.54
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	277736	80.0000	81.46
50	Benzoic Acid	122	5.344	5.344	(0.954)	224297	80.0000	78.13
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	288837	80.0000	78.26
52	Naphthalene	128	5.624	5.624	(1.004)	1171030	80.0000	79.87
54	4-Chloroaniline	127	5.624	5.624	(1.004)	146902	80.0000	82.46
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	140316	80.0000	80.22
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	328023	80.0000	82.79
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	715842	80.0000	80.76
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	168858	80.0000	79.39
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	173839	80.0000	58.28
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	173839	80.0000	57.82
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	624038	80.0000	80.59
73	2-Nitroaniline	65	7.189	7.189	(0.932)	220569	80.0000	83.38
76	Dimethylphthalate	163	7.459	7.459	(0.966)	718184	80.0000	80.12
77	Acenaphthylene	152	7.531	7.531	(0.976)	1093153	80.0000	80.43
79	2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	35207	80.0000	15.83
80	3-Nitroaniline	138	7.697	7.697	(0.997)	221843	80.0000	83.46
81	Acenaphthene	153	7.759	7.759	(1.005)	691306	80.0000	79.89
82	2,4-Dinitrophenol	184	7.821	7.821	(1.013)	98584	80.0000	77.70
83	Dibenzofuran	168	7.956	7.956	(1.031)	917683	80.0000	80.36
84	4-Nitrophenol	109	7.894	7.894	(1.023)	94857	80.0000	79.98
86	2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	224616	80.0000	78.29
91	Fluorene	166	8.402	8.402	(1.089)	750264	80.0000	80.13
92	Diethylphthalate	149	8.350	8.350	(1.082)	746547	80.0000	79.46
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	307153	80.0000	79.91
94	4-Nitroaniline	138	8.474	8.474	(1.098)	223757	80.0000	85.21
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	120703	80.0000	76.86
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	626209	93.7000	91.73
100	Azobenzene	77	8.619	8.619	(0.889)	781341	80.0000	81.11
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	164903	80.0000	78.82
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	177558	80.0000	78.51
110	Pentachlorophenol	266	9.521	9.521	(0.982)	116533	80.0000	83.19
114	Phenanthrene	178	9.728	9.728	(1.003)	1069179	80.0000	78.31
115	Anthracene	178	9.801	9.801	(1.011)	1098761	80.0000	79.98
118	Carbazole	167	10.060	10.060	(1.037)	1005124	80.0000	78.30
120	Di-n-Butylphthalate	149	10.764	10.764	(1.110)	1260294	80.0000	81.07
126	Fluoranthene	202	11.624	11.624	(1.199)	987325	80.0000	80.02
127	Benzidine	184	11.894	11.894	(0.842)	755077	80.0000	79.41
128	Pyrene	202	11.987	11.987	(0.848)	1092442	80.0000	81.22
134	3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	657222	80.0000	78.62
136	Butylbenzylphthalate	149	13.314	13.314	(0.942)	581081	80.0000	83.49
138	Benzo(a)Anthracene	228	14.101	14.101	(0.998)	927617	80.0000	80.99
139	Chrysene	228	14.174	14.174	(1.003)	938282	80.0000	79.18
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.000)	345775	80.0000	83.05
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	803315	80.0000	83.49
142	Di-n-octylphthalate	149	15.490	15.490	(1.096)	1314136	80.0000	78.76
144	Benzo(b)fluoranthene	252	15.936	15.936	(0.964)	834970	80.0000	82.31
145	Benzo(k)fluoranthene	252	15.977	15.977	(0.967)	982280	80.0000	82.59
147	Benzo(e)pyrene	252	16.360	16.360	(0.990)	828798	80.0000	82.41
148	Benzo(a)pyrene	252	16.433	16.433	(0.994)	906314	80.0000	81.64
151	Indeno(1,2,3-cd)pyrene	276	18.278	18.278	(1.106)	961862	80.0000	87.46
152	Dibenzo(a,h)anthracene	278	18.329	18.329	(1.109)	835131	80.0000	82.93
153	Benzo(g,h,i)perylene	276	18.754	18.754	(1.135)	859178	80.0000	79.90

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1817250	80.0000	82.46(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823E.D
Lab Smp Id: HSL_080 ug/ml CS-5
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	118396	5.34
2 Naphthalene-d8	494728	247364	989456	521662	5.44
3 Acenaphthene-d10	264752	132376	529504	277616	4.86
4 Phenanthrene-d10	415811	207906	831622	436069	4.87
5 Chrysene-d12	431516	215758	863032	433224	0.40
6 Perylene-d12	416460	208230	832920	427303	2.60

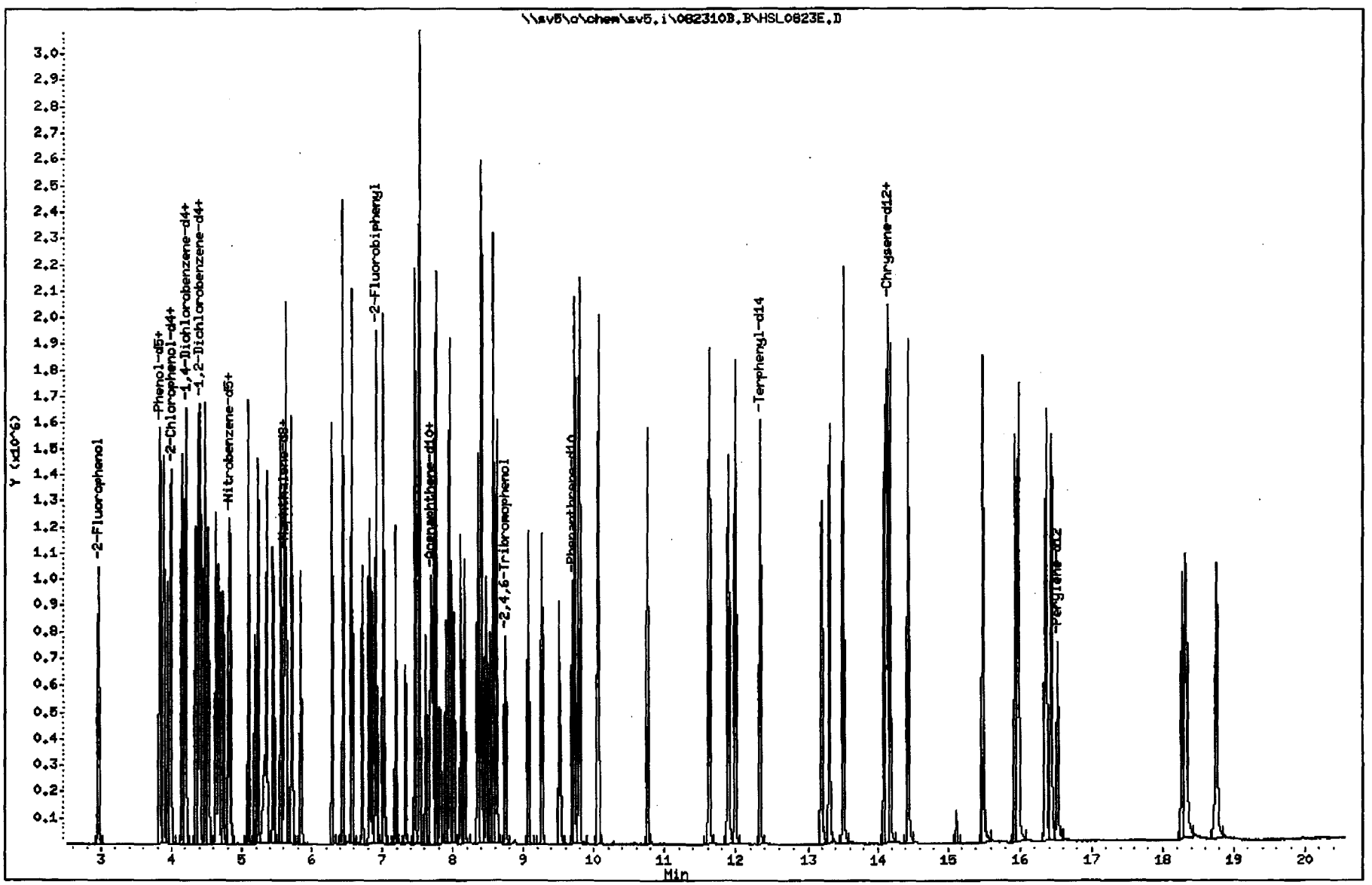
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\c\chem\sv5.i\082310B.B\HSL0823E.D
Date : 23-AUG-2010 17:58
Client ID: 8270F,M
Sample Info: HSL_080 ug/ml CS-5;1;;5;;;;;4

Instrument: sv5.i
Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 18:24
Operator : KT Inst ID: sv5.i
Smp Info : HSL_120 ug/ml CS-6;1;;6;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 15:55 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:03 Cal File: AP90817E.D
Als bottle: 97 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	139998	40.0000		(Q)
*	2 Naphthalene-d8	136	5.604	5.604	(1.000)	623524	40.0000		
*	3 Acenaphthene-d10	164	7.718	7.718	(1.000)	330719	40.0000		
*	4 Phenanthrene-d10	188	9.697	9.697	(1.000)	502993	40.0000		
*	5 Chrysene-d12	240	14.132	14.132	(1.000)	514783	40.0000		
*	6 Perylene-d12	264	16.526	16.526	(1.000)	517085	40.0000		
$	7 2-Fluorophenol	112	2.961	2.961	(0.708)	647929	120.000	126.2	
$	8 Phenol-d5	99	3.831	3.831	(0.916)	829177	120.000	125.2	
$	9 2-Chlorophenol-d4	132	3.987	3.987	(0.953)	688487	120.000	123.6	
$	10 1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	415463	120.000	119.6	
$	11 Nitrobenzene-d5	82	4.816	4.816	(0.859)	688897	120.000	124.4	
$	12 2-Fluorobiphenyl	172	6.920	6.920	(0.897)	1275912	120.000	122.0	
$	13 2,4,6-Tribromophenol	330	8.754	8.754	(1.134)	169029	120.000	132.5	
$	14 Terphenyl-d14	244	12.340	12.340	(0.873)	1231900	120.000	121.8	
	15 N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	441948	120.000	124.4	
	16 Pyridine	79	1.956	1.956	(0.468)	711971	120.000	121.0	
	23 Aniline	93	3.883	3.883	(0.928)	1038009	120.000	125.3	
	24 Phenol	94	3.842	3.842	(0.918)	865471	120.000	124.1	
	26 Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	656521	120.000	123.1	
	27 2-Chlorophenol	128	3.997	3.997	(0.955)	674566	120.000	121.8	
	28 1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	738531	120.000	121.5	
	29 1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	762673	120.000	123.6	
	30 Benzyl Alcohol	108	4.350	4.350	(1.040)	482260	120.000	127.9	
	31 1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	697407	120.000	119.5	
	32 2-Methylphenol	108	4.474	4.474	(1.069)	651136	120.000	124.9	
	33 2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	1247327	120.000	120.2	
	34 4-Methylphenol	108	4.640	4.640	(1.109)	696004	120.000	125.5	
	36 Hexachloroethane	117	4.733	4.733	(1.131)	267836	120.000	123.4	
	37 N-Nitrosodinpropylamine	70	4.681	4.681	(1.119)	486640	120.000	124.0	
	42 Nitrobenzene	77	4.837	4.837	(0.863)	680661	120.000	122.7	
	44 Isophorone	82	5.096	5.096	(0.909)	1331537	120.000	126.2	
	45 2-Nitrophenol	139	5.199	5.199	(0.928)	385434	120.000	131.6	
	46 2,4-Dimethyphenol	107	5.241	5.241	(0.935)	698549	120.000	125.2	

9/8/2010

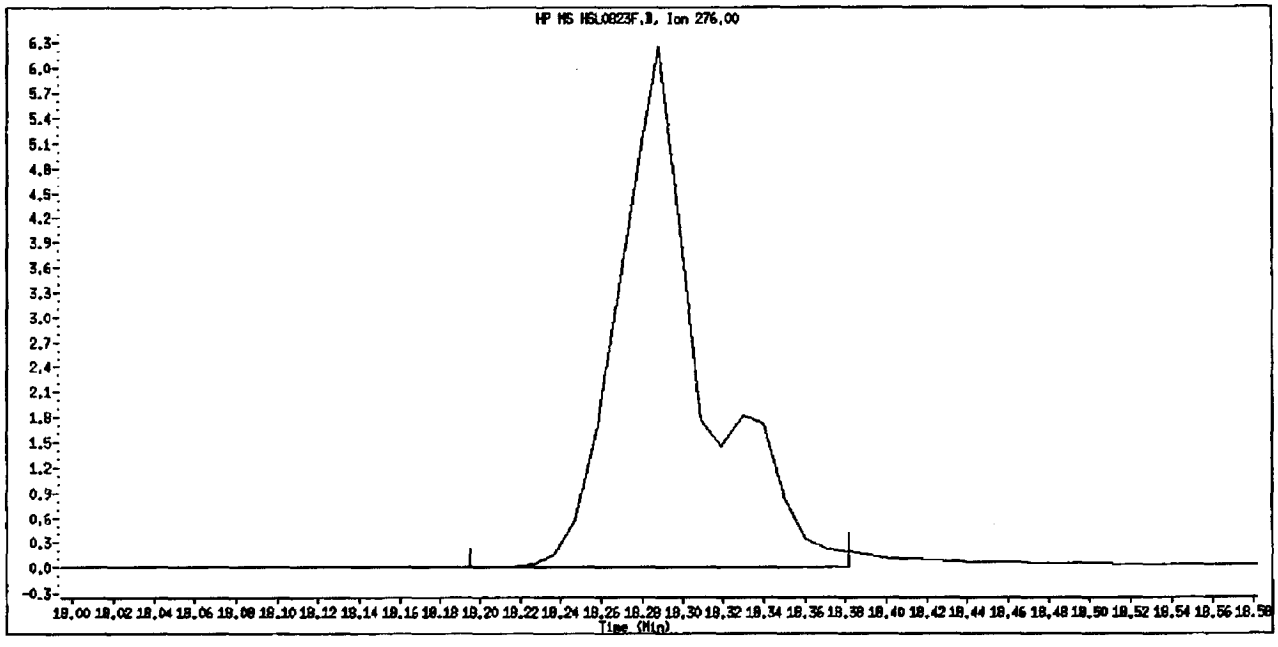
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	747512	120.000	119.0
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	508025	120.000	125.4
50	Benzoic Acid	122	5.365	5.365	(0.957)	443415	120.000	140.0
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	529852	120.000	120.5
52	Naphthalene	128	5.635	5.635	(1.006)	2106745	120.000	121.3
54	4-Chloroaniline	127	5.718	5.718	(1.020)	838279	120.000	136.0(H)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	252144	120.000	121.4
60	4-Chloro-3-Methylphenol	107	6.287	6.287	(1.122)	601198	120.000	126.9
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	1305904	120.000	122.8
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	321896	120.000	129.8
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	316513	120.000	127.8
70	2,4,5-Trichlorphenol	196	6.857	6.857	(0.889)	339511	120.000	126.0(H)
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	1113383	120.000	120.5
73	2-Nitroaniline	65	7.189	7.189	(0.932)	402791	120.000	128.7
76	Dimethylphthalate	163	7.469	7.469	(0.968)	1315619	120.000	122.7
77	Acenaphthylene	152	7.531	7.531	(0.976)	2006990	120.000	124.0
79	2,6-Dinitrotoluene	165	7.541	7.541	(0.977)	305996	120.000	129.3(H)
80	3-Nitroaniline	138	7.697	7.697	(0.997)	389682	120.000	122.4
81	Acenaphthene	153	7.759	7.759	(1.005)	1245725	120.000	120.9
82	2,4-Dinitrophenol	184	7.821	7.821	(1.013)	196121	120.000	140.3
83	Dibenzofuran	168	7.956	7.956	(1.031)	1636051	120.000	120.2
84	4-Nitrophenol	109	7.904	7.904	(1.024)	179608	120.000	128.6
86	2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	410093	120.000	120.9
91	Fluorene	166	8.402	8.402	(1.089)	1360805	120.000	122.3
92	Diethylphthalate	149	8.360	8.360	(1.083)	1343713	120.000	119.4
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	539486	120.000	117.4
94	4-Nitroaniline	138	8.484	8.484	(1.099)	387157	120.000	124.4
97	4,6-Dinitro-2-methylphenol	198	8.547	8.547	(0.881)	236110	120.000	142.5
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	1125545	141.000	143.6
100	Azobenzene	77	8.619	8.619	(0.889)	1367761	120.000	122.1
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	306346	120.000	128.5
108	Hexachlorobenzene	284	9.272	9.272	(0.956)	322782	120.000	124.2
110	Pentachlorophenol	266	9.521	9.521	(0.982)	221518	120.000	141.2
114	Phenanthrene	178	9.738	9.738	(1.004)	1929658	120.000	123.1
115	Anthracene	178	9.801	9.801	(1.011)	1973943	120.000	125.1
118	Carbazole	167	10.060	10.060	(1.037)	1862634	120.000	126.4
120	Di-n-Butylphthalate	149	10.764	10.764	(1.110)	2369090	120.000	133.7
126	Fluoranthene	202	11.624	11.624	(1.199)	1814661	120.000	129.8
127	Benzidine	184	11.894	11.894	(0.842)	1380400	120.000	121.1
128	Pyrene	202	11.998	11.998	(0.849)	1979871	120.000	121.4
134	3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	1241986	120.000	124.9
136	Butylbenzylphthalate	149	13.314	13.314	(0.942)	1073884	120.000	128.5
138	Benzo(a)Anthracene	228	14.101	14.101	(0.998)	1701674	120.000	124.5
139	Chrysene	228	14.184	14.184	(1.004)	1701698	120.000	120.5
140	3,3'-Dichlorobenzidine	252	14.143	14.143	(1.001)	640756	120.000	130.1
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	1494173	120.000	130.3
142	Di-n-octylphthalate	149	15.490	15.490	(1.096)	2478465	120.000	126.7
144	Benzo(b)fluoranthene	252	15.946	15.946	(0.965)	1659701	120.000	137.8
145	Benzo(k)fluoranthene	252	15.987	15.987	(0.967)	1677335	120.000	113.0
147	Benzo(e)pyrene	252	16.371	16.371	(0.991)	1515891	120.000	123.8
148	Benzo(a)pyrene	252	16.443	16.443	(0.995)	1659729	120.000	122.6
151	Indeno(1,2,3-cd)pyrene	276	18.288	18.288	(1.107)	1493689	120.000	133.0(M)
152	Dibenzo(a,h)anthracene	278	18.340	18.340	(1.110)	1555660	120.000	128.6
153	Benzo(g,h,i)perylene	276	18.765	18.765	(1.135)	1624809	120.000	125.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3337036	120.000	

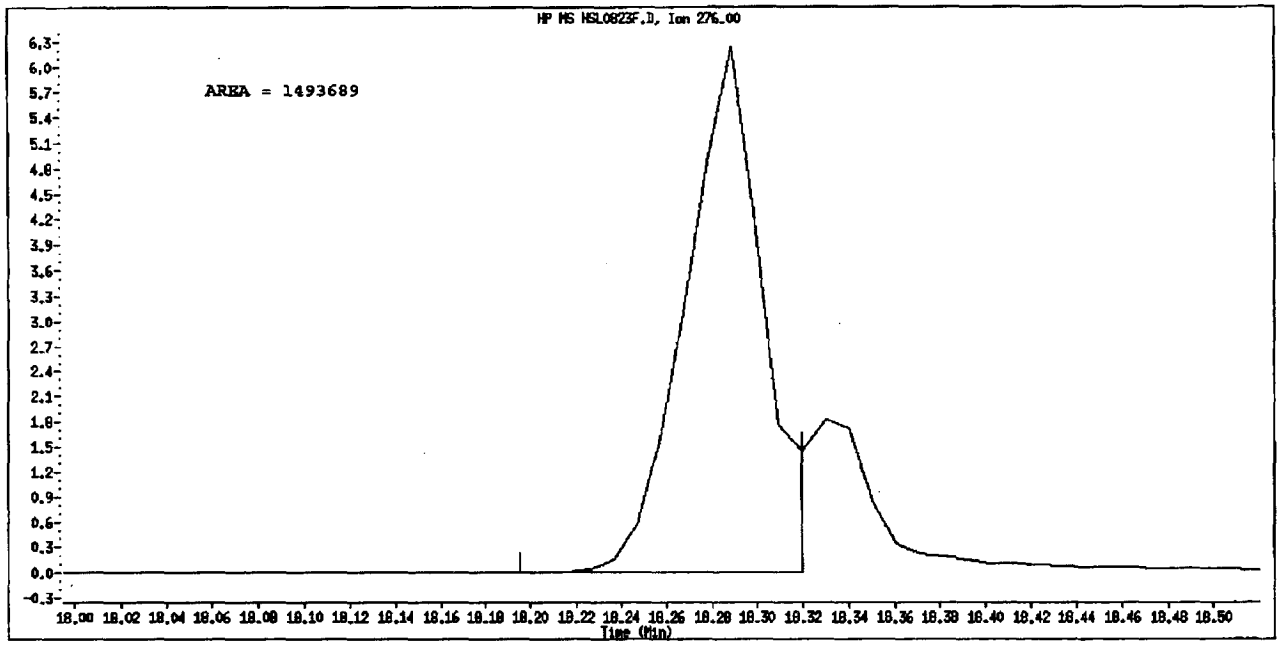
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL0823F.D
Inj. Date and Time: 23-AUG-2010 18:24
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/24/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 18:24
Operator : KT Inst ID: sv5.i
Smp Info : HSL_120 ug/ml CS-6;1;;6;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 12:12 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 23:29 Cal File: AP90817F.D
Als bottle: 97 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	139998	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	623524	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	330719	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	502993	40.0000	
* 5	Chrysene-d12	240	14.132	14.132	(1.000)	514783	40.0000	
* 6	Perylene-d12	264	16.526	16.526	(1.000)	517085	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	647929	120.000	125.1
$ 8	Phenol-d5	99	3.831	3.831	(0.916)	829177	120.000	125.0
$ 9	2-Chlorophenol-d4	132	3.987	3.987	(0.953)	688487	120.000	123.1
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	415463	120.000	119.4
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	688897	120.000	123.0
$ 12	2-Fluorobiphenyl	172	6.920	6.920	(0.897)	1275912	120.000	121.9
$ 13	2,4,6-Tribromophenol	330	8.754	8.754	(1.134)	169029	120.000	130.6
$ 14	Terphenyl-d14	244	12.340	12.340	(0.873)	1231900	120.000	123.7
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	441948	120.000	124.0
16	Pyridine	79	1.956	1.956	(0.468)	711971	120.000	120.6
23	Aniline	93	3.883	3.883	(0.928)	1038009	120.000	125.0
24	Phenol	94	3.842	3.842	(0.918)	865471	120.000	122.2
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	656521	120.000	123.0
27	2-Chlorophenol	128	3.997	3.997	(0.955)	674566	120.000	122.0
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	738531	120.000	121.0
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	762673	120.000	123.4
30	Benzyl Alcohol	108	4.350	4.350	(1.040)	482260	120.000	127.1
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	697407	120.000	119.5
32	2-Methylphenol	108	4.474	4.474	(1.069)	651136	120.000	124.9
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	1247327	120.000	122.6
34	4-Methylphenol	108	4.640	4.640	(1.109)	696004	120.000	125.4
36	Hexachloroethane	117	4.733	4.733	(1.131)	267836	120.000	123.0
37	N-Nitrosodinpropylamine	70	4.681	4.681	(1.119)	486640	120.000	124.3
42	Nitrobenzene	77	4.837	4.837	(0.863)	680661	120.000	122.7
44	Isophorone	82	5.096	5.096	(0.909)	1331537	120.000	126.5
45	2-Nitrophenol	139	5.199	5.199	(0.928)	385434	120.000	129.2
46	2,4-Dimethyphenol	107	5.241	5.241	(0.935)	698549	120.000	124.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	747512	120.000	119.5
49 2,4-Dichlorophenol	162	5.458	5.458	(0.974)	508025	120.000	124.7
50 Benzoic Acid	122	5.365	5.365	(0.957)	443415	120.000	124.7
51 1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	529852	120.000	120.1
52 Naphthalene	128	5.635	5.635	(1.006)	2106745	120.000	120.2
54 4-Chloroaniline	127	5.635	5.635	(1.006)	258254	120.000	121.3
57 Hexachlorobutadiene	225	5.852	5.852	(1.044)	252144	120.000	120.6
60 4-Chloro-3-Methylphenol	107	6.287	6.287	(1.122)	601198	120.000	126.9
63 2-Methylnaphthalene	142	6.443	6.443	(1.150)	1305904	120.000	123.3
66 Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	321896	120.000	127.0
69 2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	316513	120.000	89.07
70 2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	316513	120.000	88.37
71 2-Chloronaphthalene	162	7.023	7.023	(0.910)	1113383	120.000	120.7
73 2-Nitroaniline	65	7.189	7.189	(0.932)	402791	120.000	127.8
76 Dimethylphthalate	163	7.469	7.469	(0.968)	1315619	120.000	123.2
77 Acenaphthylene	152	7.531	7.531	(0.976)	2006990	120.000	124.0
79 2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	44200	120.000	16.68
80 3-Nitroaniline	138	7.697	7.697	(0.997)	389682	120.000	123.1
81 Acenaphthene	153	7.759	7.759	(1.005)	1245725	120.000	120.8
82 2,4-Dinitrophenol	184	7.821	7.821	(1.013)	196121	120.000	122.3
83 Dibenzofuran	168	7.956	7.956	(1.031)	1636051	120.000	120.3
84 4-Nitrophenol	109	7.904	7.904	(1.024)	179608	120.000	127.1
86 2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	410093	120.000	118.9
91 Fluorene	166	8.402	8.402	(1.089)	1360805	120.000	122.0
92 Diethylphthalate	149	8.360	8.360	(1.083)	1343713	120.000	120.0
93 4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	539486	120.000	117.8
94 4-Nitroaniline	138	8.484	8.484	(1.099)	387157	120.000	123.8
97 4,6-Dinitro-2-methylphenol	198	8.547	8.547	(0.881)	236110	120.000	123.9
98 N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	1125545	141.000	142.9
100 Azobenzene	77	8.619	8.619	(0.889)	1367761	120.000	123.1
101 4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	306346	120.000	127.0
108 Hexachlorobenzene	284	9.272	9.272	(0.956)	322782	120.000	123.7
110 Pentachlorophenol	266	9.521	9.521	(0.982)	221518	120.000	137.1
114 Phenanthrene	178	9.738	9.738	(1.004)	1929658	120.000	122.5
115 Anthracene	178	9.801	9.801	(1.011)	1973943	120.000	124.6
118 Carbazole	167	10.060	10.060	(1.037)	1862634	120.000	125.8
120 Di-n-Butylphthalate	149	10.764	10.764	(1.110)	2369090	120.000	132.1
126 Fluoranthene	202	11.624	11.624	(1.199)	1814661	120.000	127.5
127 Benzidine	184	11.894	11.894	(0.842)	1380400	120.000	120.7
128 Pyrene	202	11.998	11.998	(0.849)	1979871	120.000	123.9
134 3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	1241986	120.000	123.2
136 Butylbenzylphthalate	149	13.314	13.314	(0.942)	1073884	120.000	129.8
138 Benzo(a)Anthracene	228	14.101	14.101	(0.998)	1701674	120.000	125.0
139 Chrysene	228	14.184	14.184	(1.004)	1701698	120.000	120.8
140 3,3'-Dichlorobenzidine	252	14.143	14.143	(1.001)	640756	120.000	129.5
141 bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	1494173	120.000	130.7
142 Di-n-octylphthalate	149	15.490	15.490	(1.096)	2478465	120.000	122.2
144 Benzo(b)fluoranthene	252	15.946	15.946	(0.965)	1659701	120.000	135.2
145 Benzo(k)fluoranthene	252	15.987	15.987	(0.967)	1677335	120.000	116.5
147 Benzo(e)pyrene	252	16.371	16.371	(0.991)	1515891	120.000	124.6
148 Benzo(a)pyrene	252	16.443	16.443	(0.995)	1659729	120.000	123.6
151 Indeno(1,2,3-cd)pyrene	276	18.288	18.288	(1.107)	1803961	120.000	135.6
152 Dibenzo(a,h)anthracene	278	18.340	18.340	(1.110)	1555660	120.000	127.6
153 Benzo(g,h,i)perylene	276	18.765	18.765	(1.135)	1624809	120.000	124.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3337036	120.000	125.1(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823F.D
Lab Smp Id: HSL_120 ug/ml CS-6
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	139998	24.55
2 Naphthalene-d8	494728	247364	989456	623524	26.03
3 Acenaphthene-d10	264752	132376	529504	330719	24.92
4 Phenanthrene-d10	415811	207906	831622	502993	20.97
5 Chrysene-d12	431516	215758	863032	514783	19.30
6 Perylene-d12	416460	208230	832920	517085	24.16

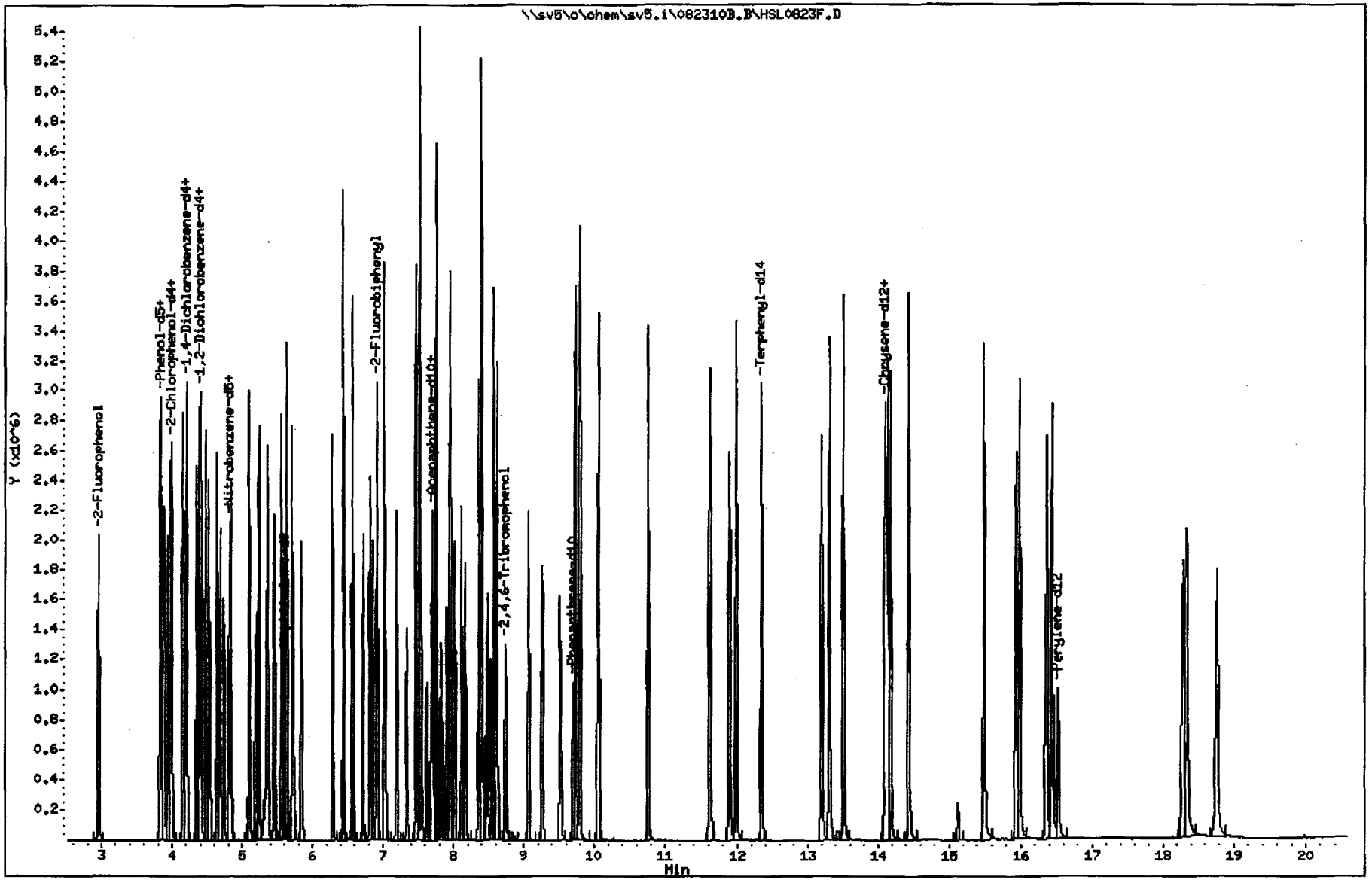
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\c\chem\sv5.i\082310B.B\HSL0823F.D
Date : 23-AUG-2010 18:24
Client ID: 8270F,M
Sample Info: HSL_120 ug/ml CS-6:1::6:::::4

Instrument: sv5.i
Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 18:50
Operator : KT Inst ID: sv5.i
Smp Info : HSL_160 ug/ml CS-7;1;;7;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 16:08 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 98 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	122519	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	543074	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	280308	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	438581	40.0000	
* 5	Chrysene-d12	240	14.132	14.132	(1.000)	456651	40.0000	
* 6	Perylene-d12	264	16.526	16.526	(1.000)	471962	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	749462	160.000	165.4(A)
$ 8	Phenol-d5	99	3.831	3.831	(0.916)	945103	160.000	162.8(A)
$ 9	2-Chlorophenol-d4	132	3.987	3.987	(0.953)	797920	160.000	163.0(A)
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	481556	160.000	158.1
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	792777	160.000	163.6(A)
$ 12	2-Fluorobiphenyl	172	6.920	6.920	(0.897)	1444584	160.000	162.8(A)
$ 13	2,4,6-Tribromophenol	330	8.754	8.754	(1.134)	187310	160.000	170.8(A)
$ 14	Terphenyl-d14	244	12.340	12.340	(0.873)	1405698	160.000	159.1
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	515512	160.000	165.3(A)
16	Pyridine	79	1.956	1.956	(0.468)	845217	160.000	163.6(A)
23	Aniline	93	3.883	3.883	(0.928)	1204059	160.000	165.7(A)
24	Phenol	94	3.842	3.842	(0.918)	1006145	160.000	164.7(AM)
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	750778	160.000	160.7(A)
27	2-Chlorophenol	128	3.997	3.997	(0.955)	781672	160.000	161.5(A)
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	851241	160.000	159.4
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	872509	160.000	161.3(A)
30	Benzyl Alcohol	108	4.350	4.350	(1.040)	561512	160.000	169.1(A)
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	808819	160.000	158.3
32	2-Methylphenol	108	4.474	4.474	(1.069)	762010	160.000	167.1(A)
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	1424716	160.000	160.1(A)
34	4-Methylphenol	108	4.640	4.640	(1.109)	800301	160.000	164.8(A)
36	Hexachloroethane	117	4.733	4.733	(1.131)	307899	160.000	161.6(A)
37	N-Nitrosodinpropylamine	70	4.681	4.681	(1.119)	555484	160.000	162.6(A)
42	Nitrobenzene	77	4.837	4.837	(0.863)	783638	160.000	162.2(A)
44	Isophorone	82	5.096	5.096	(0.909)	1508862	160.000	164.6(A)
45	2-Nitrophenol	139	5.199	5.199	(0.928)	444303	160.000	171.0(A)
46	2,4-Dimethyphenol	107	5.241	5.241	(0.935)	801781	160.000	164.6(A)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	870078	160.000	159.7

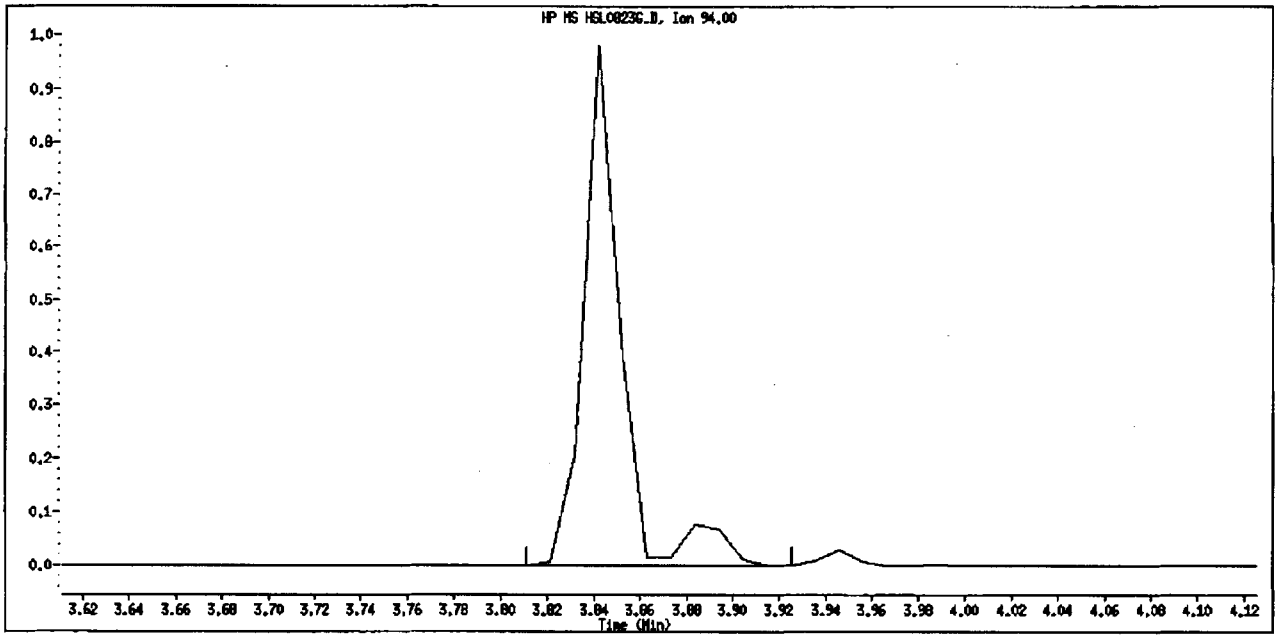
9/8/2010

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	577580	160.000	162.7 (A)
50	Benzoic Acid	122	5.376	5.376	(0.959)	499323	160.000	157.7
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	615729	160.000	160.2 (A)
52	Naphthalene	128	5.635	5.635	(1.006)	2419358	160.000	160.1 (A)
54	4-Chloroaniline	127	5.718	5.718	(1.020)	963709	160.000	161.6 (AH)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	289552	160.000	159.0
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	685134	160.000	166.1 (A)
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	1470925	160.000	159.4
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	359521	160.000	167.4 (A)
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	359345	160.000	170.0 (A)
70	2,4,5-Trichlorphenol	196	6.857	6.857	(0.889)	399633	160.000	173.6 (AH)
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	1261210	160.000	161.3 (A)
73	2-Nitroaniline	65	7.189	7.189	(0.932)	448321	160.000	167.8 (A)
76	Dimethylphthalate	163	7.469	7.469	(0.968)	1472266	160.000	162.7 (A)
77	Acenaphthylene	152	7.531	7.531	(0.976)	2276578	160.000	165.9 (A)
79	2,6-Dinitrotoluene	165	7.541	7.541	(0.977)	347638	160.000	171.7 (AH)
80	3-Nitroaniline	138	7.697	7.697	(0.997)	447165	160.000	166.6 (A)
81	Acenaphthene	153	7.759	7.759	(1.005)	1416489	160.000	162.1 (A)
82	2,4-Dinitrophenol	184	7.821	7.821	(1.013)	226471	160.000	159.0
83	Dibenzofuran	168	7.956	7.956	(1.031)	1851275	160.000	160.6 (A)
84	4-Nitrophenol	109	7.904	7.904	(1.024)	202262	160.000	168.9 (A)
86	2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	473861	160.000	161.4 (A)
91	Fluorene	166	8.402	8.402	(1.089)	1512959	160.000	160.0 (A)
92	Diethylphthalate	149	8.360	8.360	(1.083)	1515994	160.000	159.8
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	605637	160.000	156.0
94	4-Nitroaniline	138	8.484	8.484	(1.099)	452535	160.000	170.7 (A)
97	4,6-Dinitro-2-methylphenol	198	8.547	8.547	(0.881)	272263	160.000	158.3
98	N-Nitrosodiphenylamine	169	8.588	8.588	(0.886)	1275595	187.000	185.8 (A)
100	Azobenzene	77	8.619	8.619	(0.889)	1555168	160.000	160.5 (A)
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	341660	160.000	162.4 (A)
108	Hexachlorobenzene	284	9.272	9.272	(0.956)	357122	160.000	157.0
110	Pentachlorophenol	266	9.531	9.531	(0.983)	252287	160.000	179.1 (A)
114	Phenanthrene	178	9.738	9.738	(1.004)	2195697	160.000	159.9
115	Anthracene	178	9.801	9.801	(1.011)	2236741	160.000	161.9 (A)
118	Carbazole	167	10.060	10.060	(1.037)	2096476	160.000	162.4 (A)
120	Di-n-Butylphthalate	149	10.764	10.764	(1.110)	2711327	160.000	173.4 (A)
126	Fluoranthene	202	11.624	11.624	(1.199)	2107239	160.000	169.8 (A)
127	Benzidine	184	11.894	11.894	(0.842)	1635330	160.000	159.7
128	Pyrene	202	11.998	11.998	(0.849)	2241877	160.000	158.1
134	3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	1427358	160.000	158.5
136	Butylbenzylphthalate	149	13.314	13.314	(0.942)	1229163	160.000	167.5 (A)
138	Benzo(a)Anthracene	228	14.112	14.112	(0.999)	1993586	160.000	165.1 (A)
139	Chrysene	228	14.184	14.184	(1.004)	1984227	160.000	158.9
140	3,3'-Dichlorobenzidine	252	14.143	14.143	(1.001)	746709	160.000	170.2 (A)
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	1705185	160.000	168.1 (A)
142	Di-n-octylphthalate	149	15.490	15.490	(1.096)	2907367	160.000	159.0
144	Benzo(b)fluoranthene	252	15.946	15.946	(0.965)	1951173	160.000	174.1 (A)
145	Benzo(k)fluoranthene	252	15.987	15.987	(0.967)	2022702	160.000	154.0
147	Benzo(e)pyrene	252	16.371	16.371	(0.991)	1827263	160.000	164.5 (A)
148	Benzo(a)pyrene	252	16.443	16.443	(0.995)	2012433	160.000	164.1 (A)
151	Indeno(1,2,3-cd)pyrene	276	18.288	18.288	(1.107)	1771827	160.000	170.0 (A)
152	Dibenzo(a,h)anthracene	278	18.340	18.340	(1.110)	1913427	160.000	172.0 (A)
153	Benzo(g,h,i)perylene	276	18.775	18.775	(1.136)	1962431	160.000	165.2 (A)
M 162	benzo b,k Fluoranthene Totals	252				3973875	160.000	163.2 (A)

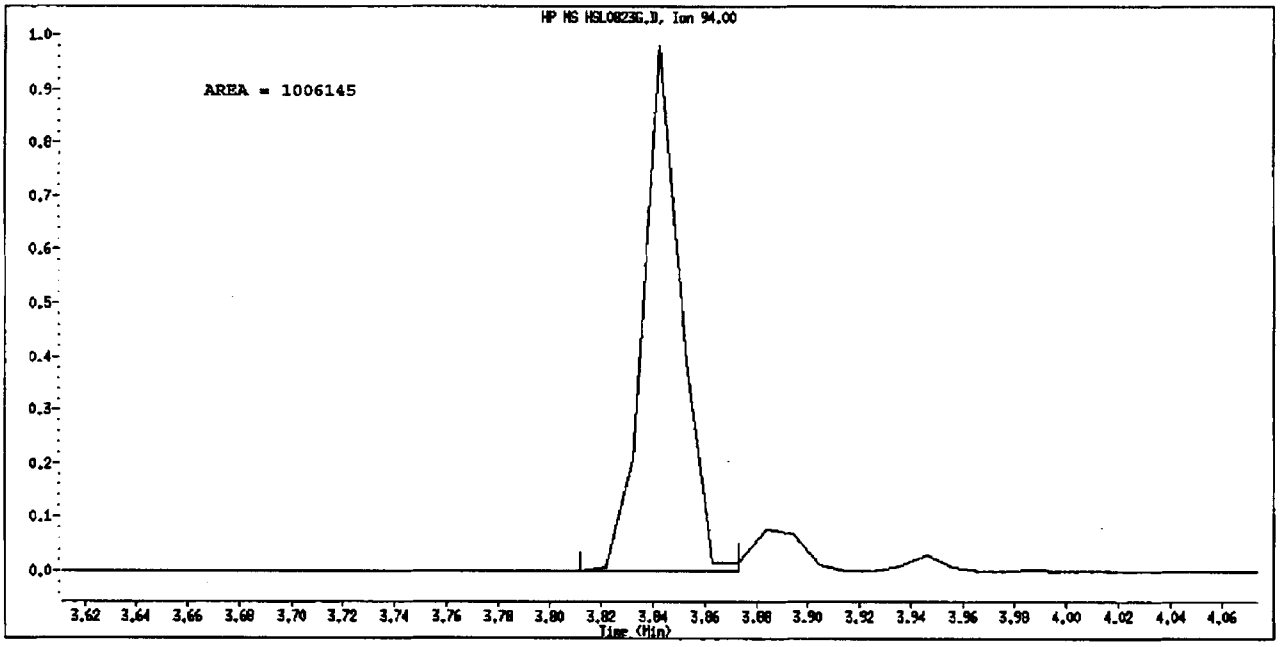
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL0823G.D
Inj. Date and Time: 23-AUG-2010 18:50
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Phenol
CAS #: 108-95-2
Report Date: 08/24/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Unknown Poor chromatography Ry 8/24/10

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Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 18:50
Operator : KT Inst ID: sv5.i
Smp Info : HSL_160 ug/ml CS-7;1;;7;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 12:12 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 98 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	122519	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	543074	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	280308	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	438581	40.0000	
* 5	Chrysene-d12	240	14.132	14.132	(1.000)	456651	40.0000	
* 6	Perylene-d12	264	16.526	16.526	(1.000)	471962	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	749462	160.000	165.4(A)
$ 8	Phenol-d5	99	3.831	3.831	(0.916)	945103	160.000	162.8(A)
$ 9	2-Chlorophenol-d4	132	3.987	3.987	(0.953)	797920	160.000	163.0(A)
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	481556	160.000	158.1
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	792777	160.000	162.5(A)
$ 12	2-Fluorobiphenyl	172	6.920	6.920	(0.897)	1444584	160.000	162.8(A)
$ 13	2,4,6-Tribromophenol	330	8.754	8.754	(1.134)	187310	160.000	170.8(A)
$ 14	Terphenyl-d14	244	12.340	12.340	(0.873)	1405698	160.000	159.1
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	515512	160.000	165.3(A)
16	Pyridine	79	1.956	1.956	(0.468)	845217	160.000	163.6(A)
23	Aniline	93	3.883	3.883	(0.928)	1204059	160.000	165.7(A)
24	Phenol	94	3.842	3.842	(0.918)	1103854	160.000	178.2(A)
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	750778	160.000	160.7(A)
27	2-Chlorophenol	128	3.997	3.997	(0.955)	781672	160.000	161.5(A)
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	851241	160.000	159.4
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	872509	160.000	161.3(A)
30	Benzyl Alcohol	108	4.350	4.350	(1.040)	561512	160.000	169.1(A)
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	808819	160.000	158.3
32	2-Methylphenol	108	4.474	4.474	(1.069)	762010	160.000	167.1(A)
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	1424716	160.000	160.1(A)
34	4-Methylphenol	108	4.640	4.640	(1.109)	800301	160.000	164.8(A)
36	Hexachloroethane	117	4.733	4.733	(1.131)	307899	160.000	161.6(A)
37	N-Nitrosodinpropylamine	70	4.681	4.681	(1.119)	555484	160.000	162.2(A)
42	Nitrobenzene	77	4.837	4.837	(0.863)	783638	160.000	162.2(A)
44	Isophorone	82	5.096	5.096	(0.909)	1508862	160.000	164.6(A)
45	2-Nitrophenol	139	5.199	5.199	(0.928)	444303	160.000	171.0(A)
46	2,4-Dimethyphenol	107	5.241	5.241	(0.935)	801781	160.000	164.6(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	870078	160.000	159.7
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	577580	160.000	162.7(A)
50	Benzoic Acid	122	5.376	5.376	(0.959)	499323	160.000	157.7
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	615729	160.000	160.2(A)
52	Naphthalene	128	5.635	5.635	(1.006)	2419358	160.000	158.5
54	4-Chloroaniline	127	5.635	5.635	(1.006)	303659	160.000	163.7(A)
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	289552	160.000	159.0
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	685134	160.000	166.1(A)
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	1470925	160.000	159.4
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	359521	160.000	167.4(A)
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	359345	160.000	119.3
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	359345	160.000	118.4
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	1261210	160.000	161.3(A)
73	2-Nitroaniline	65	7.189	7.189	(0.932)	448321	160.000	167.8(A)
76	Dimethylphthalate	163	7.469	7.469	(0.968)	1472266	160.000	162.7(A)
77	Acenaphthylene	152	7.531	7.531	(0.976)	2276578	160.000	165.9(A)
79	2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	36736	160.000	16.36
80	3-Nitroaniline	138	7.697	7.697	(0.997)	447165	160.000	166.6(A)
81	Acenaphthene	153	7.759	7.759	(1.005)	1416489	160.000	162.1(A)
82	2,4-Dinitrophenol	184	7.821	7.821	(1.013)	226471	160.000	159.1
83	Dibenzofuran	168	7.956	7.956	(1.031)	1851275	160.000	160.6(A)
84	4-Nitrophenol	109	7.904	7.904	(1.024)	202262	160.000	168.9(A)
86	2,4-Dinitrotoluene	165	8.018	8.018	(1.039)	473861	160.000	161.4(A)
91	Fluorene	166	8.402	8.402	(1.089)	1512959	160.000	160.0(A)
92	Diethylphthalate	149	8.360	8.360	(1.083)	1515994	160.000	159.8
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	605637	160.000	156.0
94	4-Nitroaniline	138	8.484	8.484	(1.099)	452535	160.000	170.7(A)
97	4,6-Dinitro-2-methylphenol	198	8.547	8.547	(0.881)	272263	160.000	158.3
98	N-Nitrosodiphenylamine	169	8.588	8.588	(0.886)	1275595	187.000	185.8(A)
100	Azobenzene	77	8.619	8.619	(0.889)	1555168	160.000	160.5(A)
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	341660	160.000	162.4(A)
108	Hexachlorobenzene	284	9.272	9.272	(0.956)	357122	160.000	157.0
110	Pentachlorophenol	266	9.531	9.531	(0.983)	252287	160.000	179.1(A)
114	Phenanthrene	178	9.738	9.738	(1.004)	2195697	160.000	159.9
115	Anthracene	178	9.801	9.801	(1.011)	2236741	160.000	161.9(A)
118	Carbazole	167	10.060	10.060	(1.037)	2096476	160.000	162.4(A)
120	Di-n-Butylphthalate	149	10.764	10.764	(1.110)	2711327	160.000	173.4(A)
126	Fluoranthene	202	11.624	11.624	(1.199)	2107239	160.000	169.8(A)
127	Benzidine	184	11.894	11.894	(0.842)	1635330	160.000	159.7
128	Pyrene	202	11.998	11.998	(0.849)	2241877	160.000	158.1
134	3,3'-dimethylbenzidine	212	13.200	13.200	(0.934)	1427358	160.000	158.5
136	Butylbenzylphthalate	149	13.314	13.314	(0.942)	1229163	160.000	167.5(A)
138	Benzo(a)Anthracene	228	14.112	14.112	(0.999)	1993586	160.000	165.1(A)
139	Chrysene	228	14.184	14.184	(1.004)	1984227	160.000	158.9
140	3,3'-Dichlorobenzidine	252	14.143	14.143	(1.001)	746709	160.000	170.2(A)
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.021)	1705185	160.000	168.1(A)
142	Di-n-octylphthalate	149	15.490	15.490	(1.096)	2907367	160.000	159.0
144	Benzo(b)fluoranthene	252	15.946	15.946	(0.965)	1951173	160.000	174.1(A)
145	Benzo(k)fluoranthene	252	15.987	15.987	(0.967)	2022702	160.000	154.0
147	Benzo(e)pyrene	252	16.371	16.371	(0.991)	1827263	160.000	164.5(A)
148	Benzo(a)pyrene	252	16.443	16.443	(0.995)	2012433	160.000	164.1(A)
151	Indeno(1,2,3-cd)pyrene	276	18.288	18.288	(1.107)	1771827	160.000	145.9
152	Dibenzo(a,h)anthracene	278	18.340	18.340	(1.110)	1913427	160.000	172.0(A)
153	Benzo(g,h,i)perylene	276	18.775	18.775	(1.136)	1962431	160.000	165.2(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3973875	160.000	163.2(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823G.D
Lab Smp Id: HSL_160 ug/ml CS-7
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	122519	9.00
2 Naphthalene-d8	494728	247364	989456	543074	9.77
3 Acenaphthene-d10	264752	132376	529504	280308	5.88
4 Phenanthrene-d10	415811	207906	831622	438581	5.48
5 Chrysene-d12	431516	215758	863032	456651	5.82
6 Perylene-d12	416460	208230	832920	471962	13.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\o\chem\sv5.i\082310B.B\HSL0823C.D

Date : 23-AUG-2010 18:50

Client ID: 8270F.M

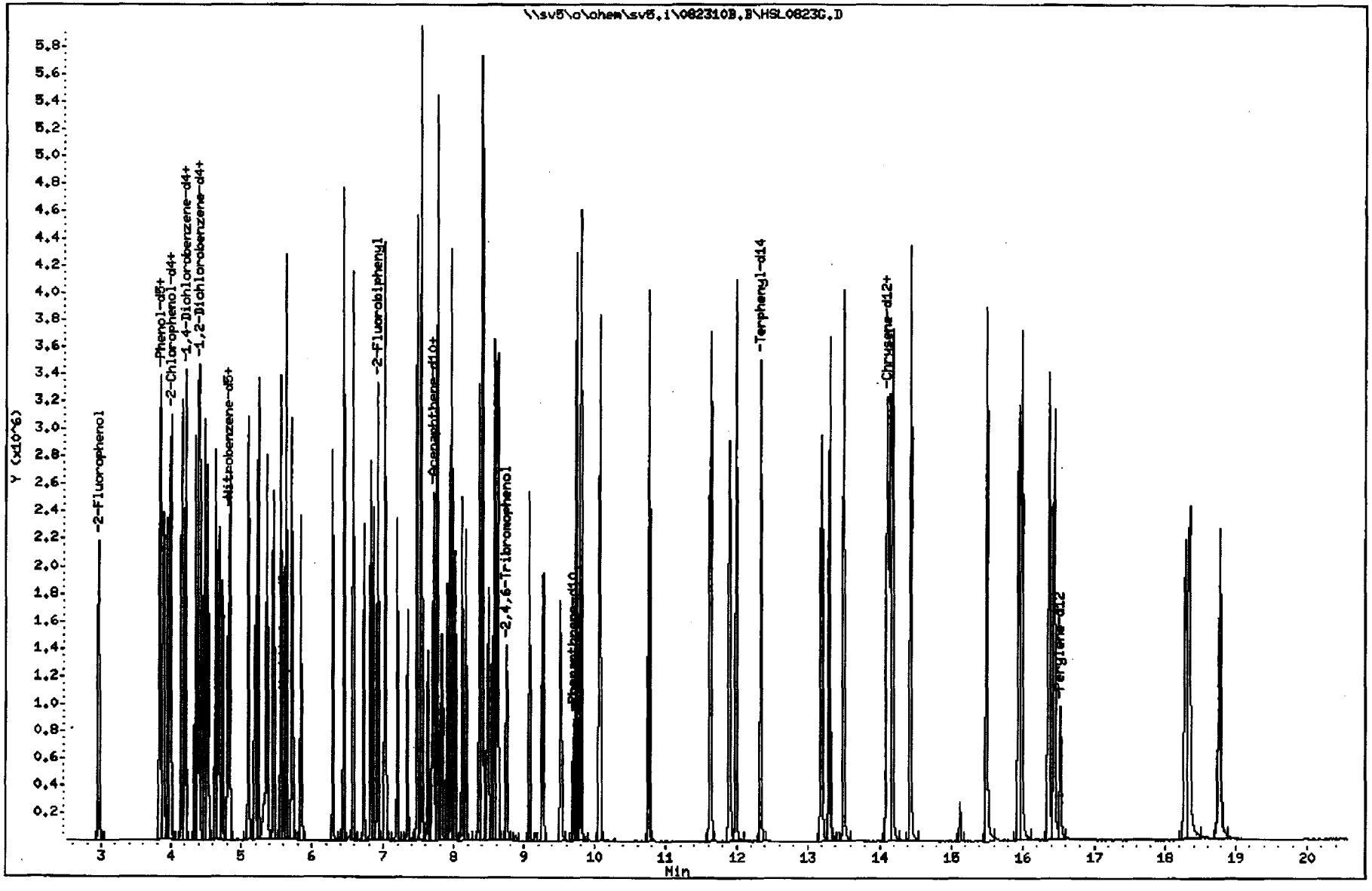
Instrument: sv5.i

Sample Info: HSL_160 ug/ml CS-7:1:::7:::::4

Operator: KT

Column phase:

Column diameter: 2.00



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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 23-AUG-2010 19:17
Lab File ID: HSL0823H.D Init. Cal. Date(s): 17-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 18:50
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\082310B.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.47923	1.44793	1.44793	0.010	-2.11626	50.00000	Averaged
$ 8 Phenol-d5	1.89473	1.87734	1.87734	0.010	-0.91787	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.59813	1.55468	1.55468	0.010	-2.71911	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.99431	0.97842	0.97842	0.010	-1.59809	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.35699	0.35810	0.35810	0.010	0.31113	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.26594	1.26057	1.26057	0.010	-0.42475	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15648	0.16061	0.16061	0.010	2.63636	50.00000	Averaged
$ 14 Terphenyl-d14	0.77396	0.77063	0.77063	0.010	-0.42991	50.00000	Averaged
15 N-Nitrosodimethylamine	1.01809	0.98482	0.98482	0.010	-3.26758	50.00000	Averaged
16 Pyridine	1.68687	1.67234	1.67234	0.010	-0.86117	50.00000	Averaged
23 Aniline	2.37259	2.29477	2.29477	0.010	-3.27996	50.00000	Averaged
24 Phenol	1.99436	1.99419	1.99419	0.010	-0.00866	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.52541	1.54638	1.54638	0.010	1.37523	50.00000	Averaged
27 2-Chlorophenol	1.58023	1.56877	1.56877	0.010	-0.72537	50.00000	Averaged
28 1,3-Dichlorobenzene	1.74334	1.70084	1.70084	0.010	-2.43797	50.00000	Averaged
29 1,4-Dichlorobenzene	1.76599	1.72378	1.72378	0.010	-2.38987	20.00000	Averaged
30 Benzyl Alcohol	1.08397	1.07981	1.07981	0.010	-0.38358	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66769	1.66345	1.66345	0.010	-0.25416	50.00000	Averaged
32 2-Methylphenol	1.48902	1.52614	1.52614	0.010	2.49299	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.90571	2.81705	2.81705	0.010	-3.05138	50.00000	Averaged
34 4-Methylphenol	1.58517	1.50418	1.50418	0.010	-5.10913	50.00000	Averaged
36 Hexachloroethane	0.62210	0.61654	0.61654	0.010	-0.89405	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.11560	1.12112	1.12112	0.050	0.49501	50.00000	Averaged
42 Nitrobenzene	0.35575	0.36090	0.36090	0.010	1.44779	50.00000	Averaged
44 Isophorone	0.67537	0.69422	0.69422	0.010	2.79176	50.00000	Averaged
45 2-Nitrophenol	0.19133	0.20049	0.20049	0.010	4.78727	20.00000	Averaged
46 2,4-Dimethyphenol	0.35866	0.36130	0.36130	0.010	0.73548	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.40130	0.40342	0.40342	0.010	0.52823	50.00000	Averaged
49 2,4-Dichlorophenol	0.26143	0.26665	0.26665	0.010	1.99825	20.00000	Averaged
50 Benzoic Acid	0.20092	0.22389	0.22389	0.010	11.43093	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.28301	0.27951	0.27951	0.010	-1.23611	50.00000	Averaged
52 Naphthalene	1.11324	1.11302	1.11302	0.010	-0.01916	50.00000	Averaged
54 4-Chloroaniline	0.43919	0.43595	0.43595	0.010	-0.73682	50.00000	Averaged
57 Hexachlorobutadiene	0.13411	0.13799	0.13799	0.010	2.89143	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30380	0.31286	0.31286	0.010	2.98070	20.00000	Averaged
63 2-Methylnaphthalene	0.67962	0.71794	0.71794	0.010	5.63754	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.30646	0.32800	0.32800	0.050	7.02794	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.30154	0.32767	0.32767	0.010	8.66635	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32858	0.34738	0.34738	0.010	5.72208	50.00000	Averaged
71 2-Chloronaphthalene	1.11567	1.13446	1.13446	0.010	1.68392	50.00000	Averaged
73 2-Nitroaniline	0.38116	0.40368	0.40368	0.010	5.90929	50.00000	Averaged
76 Dimethylphthalate	1.29156	1.32758	1.32758	0.010	2.78924	50.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 23-AUG-2010 19:17
Lab File ID: HSL0823H.D Init. Cal. Date(s): 17-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 18:50
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\082310B.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.95828	1.97045	1.97045	0.010	0.62148	50.00000	Averaged
79 2,6-Dinitrotoluene	0.28888	0.31010	0.31010	0.010	7.34475	50.00000	Averaged
80 3-Nitroaniline	0.38296	0.39034	0.39034	0.010	1.92603	50.00000	Averaged
81 Acenaphthene	1.24672	1.21988	1.21988	0.010	-2.15246	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	49.25687	0.17149	0.050	-1.48627	0.000e+000	Quadratic
83 Dibenzofuran	1.64538	1.66330	1.66330	0.010	1.08922	50.00000	Averaged
84 4-Nitrophenol	0.17088	0.18072	0.18072	0.050	5.75759	50.00000	Averaged
86 2,4-Dinitrotoluene	0.38742	0.41131	0.41131	0.010	6.16641	50.00000	Averaged
91 Fluorene	1.34904	1.33569	1.33569	0.010	-0.98945	50.00000	Averaged
92 Diethylphthalate	1.35372	1.38212	1.38212	0.010	2.09758	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.55385	0.56769	0.56769	0.010	2.50035	50.00000	Averaged
94 4-Nitroaniline	0.37837	0.40983	0.40983	0.010	8.31355	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	46.90577	0.13441	0.010	-6.18846	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.62622	0.50184	0.50184	0.010	~~-19.88076~~ → -6.08	20.00000	Averaged
100 Azobenzene	0.88363	0.90477	0.90477	0.010	2.39251	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19190	0.19611	0.19611	0.010	2.19599	50.00000	Averaged
108 Hexachlorobenzene	0.20744	0.21491	0.21491	0.010	3.59785	50.00000	Averaged
110 Pentachlorophenol	0.12850	0.13271	0.13271	0.010	3.28089	20.00000	Averaged
114 Phenanthrene	1.25231	1.23728	1.23728	0.010	-1.19966	50.00000	Averaged
115 Anthracene	1.26014	1.25625	1.25625	0.010	-0.30883	50.00000	Averaged
118 Carbazole	1.17754	1.16034	1.16034	0.010	-1.46007	50.00000	Averaged
120 Di-n-Butylphthalate	1.42590	1.47145	1.47145	0.010	3.19442	50.00000	Averaged
126 Fluoranthene	1.13179	1.16543	1.16543	0.010	2.97218	20.00000	Averaged
127 Benzidine	0.82752	0.53072	0.53072	0.010	-35.86658	50.00000	Averaged
128 Pyrene	1.24186	1.22061	1.22061	0.010	-1.71100	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.70995	0.40018	0.40018	0.010	-43.63286	50.00000	Averaged
136 Butylbenzylphthalate	0.64263	0.66163	0.66163	0.010	2.95585	50.00000	Averaged
138 Benzo(a)Anthracene	1.05752	1.01024	1.01024	0.010	-4.47082	50.00000	Averaged
139 Chrysene	1.09407	1.04861	1.04861	0.010	-4.15512	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.38440	0.38611	0.38611	0.010	0.44571	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.88842	0.90586	0.90586	0.010	1.96302	50.00000	Averaged
142 Di-n-octylphthalate	1.42876	1.42908	1.42908	0.010	0.02218	20.00000	Averaged
144 Benzo(b)fluoranthene	0.94959	1.01354	1.01354	0.010	6.73435	50.00000	Averaged
145 Benzo(k)fluoranthene	1.11337	1.09725	1.09725	0.010	-1.44783	50.00000	Averaged
147 Benzo(e)pyrene	0.94145	0.97639	0.97639	0.010	3.71137	50.00000	Averaged
148 Benzo(a)pyrene	1.03915	0.92795	0.92795	0.010	-10.70017	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.88334	0.84989	0.84989	0.010	-3.78699	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.94269	0.97754	0.97754	0.010	3.69669	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00655	1.02117	1.02117	0.010	1.45263	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06296	2.11079	2.11079	0.010	2.31860	50.00000	Averaged

8/24/10

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Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823H.D
Lab Smp Id: HSL_050 ug/ml ICV Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 19:17
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml ICV;2;;4;;;;4 5/5/8/2010
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0214;0;8270F.M
Comment : SOP SAC-MS-0005 30da
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 16:25 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	120025	40.0000	
* 2	Naphthalene-d8	136	5.603	5.603	(1.000)	518107	40.0000	
* 3	Acenaphthene-d10	164	7.717	7.717	(1.000)	274779	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	428920	40.0000	
* 5	Chrysene-d12	240	14.122	14.122	(1.000)	430759	40.0000	
* 6	Perylene-d12	264	16.526	16.526	(1.000)	420242	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	217234	50.0000	48.94
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	281660	50.0000	49.54
$ 9	2-Chlorophenol-d4	132	3.976	3.976	(0.950)	233250	50.0000	48.64
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	146794	50.0000	49.20
$ 11	Nitrobenzene-d5	82	4.816	4.816	(0.859)	231916	50.0000	50.16
$ 12	2-Fluorobiphenyl	172	6.909	6.909	(0.895)	432971	50.0000	49.79
$ 13	2,4,6-Tribromophenol	330	8.743	8.743	(1.133)	55164	50.0000	51.32
$ 14	Terphenyl-d14	244	12.339	12.339	(0.874)	414946	50.0000	49.78
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	147754	50.0000	48.37
16	Pyridine	79	1.956	1.956	(0.468)	250904	50.0000	49.57
23	Aniline	93	3.883	3.883	(0.928)	344287	50.0000	48.36
24	Phenol	94	3.842	3.842	(0.918)	299191	50.0000	50.00
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	232006	50.0000	50.69
27	2-Chlorophenol	128	3.997	3.997	(0.955)	235364	50.0000	49.64
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	255179	50.0000	48.78
29	1,4-Dichlorobenzene	146	4.204	4.204	(1.005)	258621	50.0000	48.80
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	162005	50.0000	49.81
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	249569	50.0000	49.87
32	2-Methylphenol	108	4.474	4.474	(1.069)	228969	50.0000	51.25
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	422645	50.0000	48.47
34	4-Methylphenol	108	4.629	4.629	(1.106)	225674	50.0000	47.44
36	Hexachloroethane	117	4.733	4.733	(1.131)	92500	50.0000	49.55
37	N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	168203	50.0000	50.25
42	Nitrobenzene	77	4.837	4.837	(0.863)	233732	50.0000	50.72
44	Isophorone	82	5.096	5.096	(0.909)	449603	50.0000	51.40
45	2-Nitrophenol	139	5.199	5.199	(0.928)	129843	50.0000	52.39
46	2,4-Dimethyphenol	107	5.230	5.230	(0.933)	233987	50.0000	50.37

SMB 8/24/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	261271	50.0000	50.26
49 2,4-Dichlorophenol	162	5.448	5.448	(0.972)	172692	50.0000	51.00
50 Benzoic Acid	122	5.324	5.324	(0.950)	144998	50.0000	55.72
51 1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	181022	50.0000	49.38
52 Naphthalene	128	5.624	5.624	(1.004)	720831	50.0000	49.99
54 4-Chloroaniline	127	5.717	5.717	(1.020)	282339	50.0000	49.63
57 Hexachlorobutadiene	225	5.852	5.852	(1.044)	89367	50.0000	51.44
60 4-Chloro-3-Methylphenol	107	6.287	6.287	(1.122)	202618	50.0000	51.49
63 2-Methylnaphthalene	142	6.443	6.443	(1.150)	464959	50.0000	52.82
66 Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	112660	50.0000	53.51
69 2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	112547	50.0000	54.33
70 2,4,5-Trichlorphenol	196	6.857	6.857	(0.889)	119315	50.0000	52.86
71 2-Chloronaphthalene	162	7.023	7.023	(0.910)	389656	50.0000	50.84
73 2-Nitroaniline	65	7.189	7.189	(0.932)	138655	50.0000	52.95
76 Dimethylphthalate	163	7.458	7.458	(0.966)	455990	50.0000	51.39
77 Acenaphthylene	152	7.521	7.521	(0.974)	676797	50.0000	50.31
79 2,6-Dinitrotoluene	165	7.531	7.531	(0.976)	106511	50.0000	53.67
80 3-Nitroaniline	138	7.686	7.686	(0.996)	134070	50.0000	50.96
81 Acenaphthene	153	7.749	7.749	(1.004)	418998	50.0000	48.92
82 2,4-Dinitrophenol	184	7.821	7.821	(1.013)	58901	50.0000	49.26
83 Dibenzofuran	168	7.956	7.956	(1.031)	571300	50.0000	50.54
84 4-Nitrophenol	109	7.894	7.894	(1.023)	62071	50.0000	52.88
86 2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	141275	50.0000	53.08
91 Fluorene	166	8.391	8.391	(1.087)	458774	50.0000	49.50
92 Diethylphthalate	149	8.350	8.350	(1.082)	474721	50.0000	51.05
93 4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	194988	50.0000	51.25
94 4-Nitroaniline	138	8.474	8.474	(1.098)	140765	50.0000	54.16
97 4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	72063	50.0000	46.90
98 N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	315343	~~50.0000~~ 50	46.96 SRS 8/24/10
100 Azobenzene	77	8.609	8.609	(0.888)	485095	50.0000	51.20
101 4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	105146	50.0000	51.10
108 Hexachlorobenzene	284	9.262	9.262	(0.955)	115222	50.0000	51.80
110 Pentachlorophenol	266	9.521	9.521	(0.982)	71155	50.0000	51.64
114 Phenanthrene	178	9.728	9.728	(1.003)	663370	50.0000	49.40
115 Anthracene	178	9.800	9.800	(1.011)	673538	50.0000	49.84
118 Carbazole	167	10.060	10.060	(1.037)	622118	50.0000	49.27
120 Di-n-Butylphthalate	149	10.754	10.754	(1.109)	788920	50.0000	51.60
126 Fluoranthene	202	11.624	11.624	(1.199)	624843	50.0000	51.49
127 Benzidine	184	11.894	11.894	(0.842)	285763	50.0000	32.07
128 Pyrene	202	11.987	11.987	(0.849)	657235	50.0000	49.14
134 3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	215475	50.0000	28.18
136 Butylbenzylphthalate	149	13.303	13.303	(0.942)	356253	50.0000	51.48
138 Benzo(a)Anthracene	228	14.101	14.101	(0.999)	543965	50.0000	47.76
139 Chrysene	228	14.174	14.174	(1.004)	564621	50.0000	47.92
140 3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	207903	50.0000	50.22
141 bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	487758	50.0000	50.98
142 Di-n-octylphthalate	149	15.490	15.490	(1.097)	769484	50.0000	50.01
144 Benzo(b)fluoranthene	252	15.935	15.935	(0.964)	532415	50.0000	53.37
145 Benzo(k)fluoranthene	252	15.977	15.977	(0.967)	576388	50.0000	49.28
147 Benzo(e)pyrene	252	16.360	16.360	(0.990)	512902	50.0000	51.86
148 Benzo(a)pyrene	252	16.433	16.433	(0.994)	487457	50.0000	44.65
151 Indeno(1,2,3-cd)pyrene	276	18.267	18.267	(1.105)	446447	50.0000	48.11
152 Dibenzo(a,h)anthracene	278	18.319	18.319	(1.108)	513502	50.0000	51.85
153 Benzo(g,h,i)perylene	276	18.744	18.744	(1.134)	536425	50.0000	50.73

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1108803	50.0000	51.16(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL0823H.D
Lab Smp Id: HSL_050 ug/ml ICV
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M

Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	120025	6.78
2 Naphthalene-d8	494728	247364	989456	518107	4.73
3 Acenaphthene-d10	264752	132376	529504	274779	3.79
4 Phenanthrene-d10	415811	207906	831622	428920	3.15
5 Chrysene-d12	431516	215758	863032	430759	-0.18
6 Perylene-d12	416460	208230	832920	420242	0.91

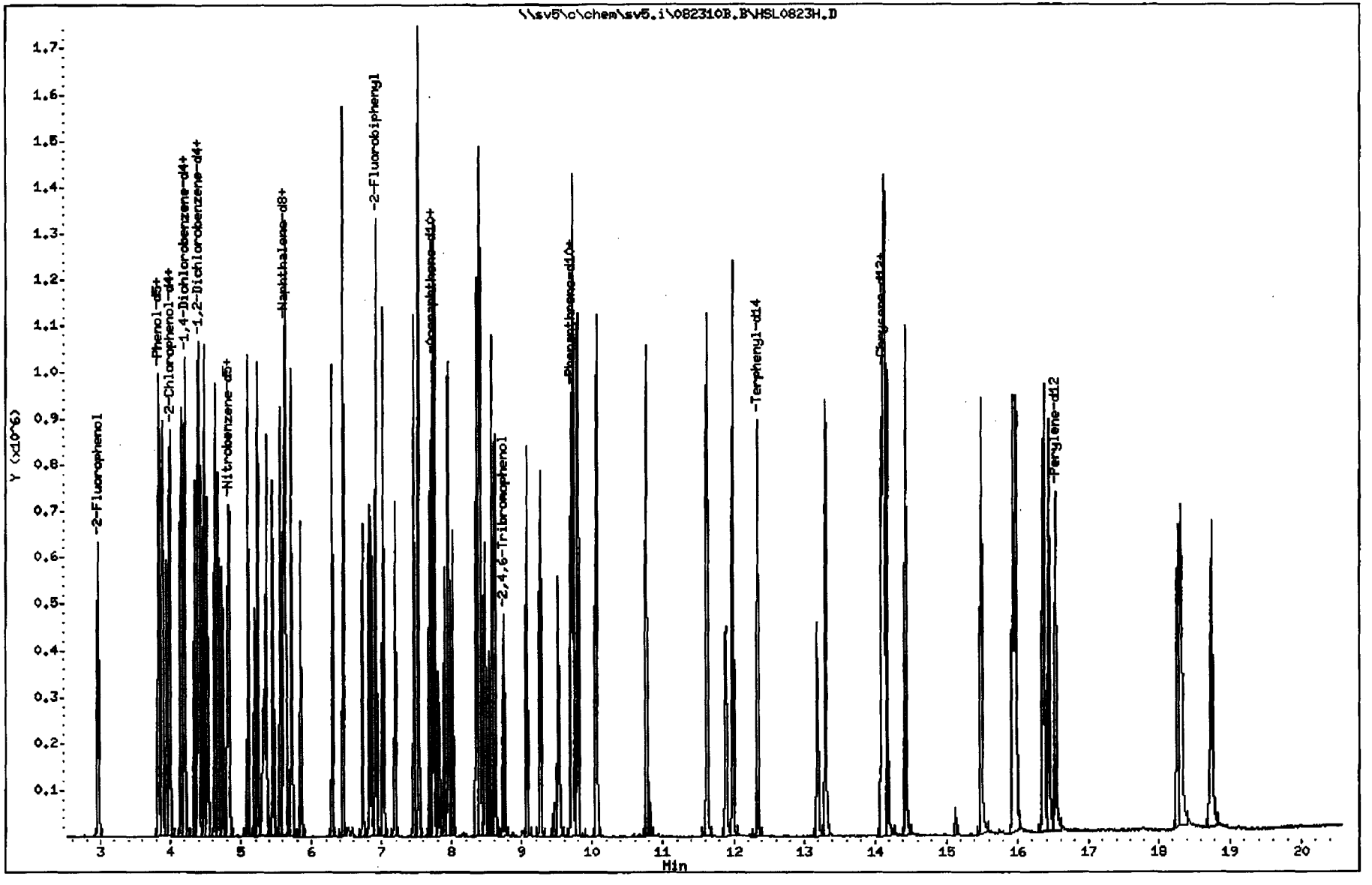
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.12	13.62	14.62	14.12	0.00
6 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\c\chem\sv5.i\082310B.B\HSL0823H.D
Date : 23-AUG-2010 19:17
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml ICV:2:::4::::4

Instrument: sv5.i
Operator: KT
Column diameter: 2.00

Column phase:

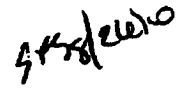


TestAmerica WestSacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 26-AUG-2010 12:28
Lab File ID: S082603.D Init. Cal. Date(s): 17-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 18:50
Lab Sample ID: Benzidines ICV 50ug Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\082610.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
127 Benzidine	0.82752	0.92718	0.92718	0.010	12.04370	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.70995	0.80779	0.80779	0.010	13.78192	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.38440	0.41091	0.41091	0.010	6.89684	50.00000	Averaged



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Method 8270C

Data file : \\sv5\c\chem\sv5.i\082610.B\S082603.D
Lab Smp Id: Benzidines ICV 50ug Client Smp ID: 8270F.M
Inj Date : 26-AUG-2010 12:28
Operator : srs Inst ID: sv5.i
Smp Info : Benzidines ICV 50ug/mL;2;;4;;;;4
Misc Info : 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082610.B\8270f.m
Meth Date : 26-Aug-2010 15:40 scottsx Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BenzICV.SUB
Target Version: 4.14
Processing Host: SACP333

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	173679	40.0000	
* 2 Naphthalene-d8	136	5.593	5.593	(1.000)	747623	40.0000	
* 3 Acenaphthene-d10	164	7.707	7.707	(1.000)	387474	40.0000	
* 4 Phenanthrene-d10	188	9.686	9.686	(1.000)	610259	40.0000	
* 5 Chrysene-d12	240	14.101	14.101	(1.000)	568241	40.0000	
* 6 Perylene-d12	264	16.495	16.495	(1.000)	546529	40.0000	
127 Benzidine	184	11.873	11.873	(0.842)	658578	50.0000	56.02
134 3,3'-dimethylbenzidine	212	13.179	13.179	(0.935)	573776	50.0000	56.89
140 3,3'-Dichlorobenzidine	252	14.111	14.111	(1.001)	291872	50.0000	53.45

TestAmerica WestSacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S082603.D
Lab Smp Id: Benzidines ICV 50ug
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\sv5\c\chem\sv5.i\082610.B\8270f.m
Misc Info: 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M

Calibration Date: 26-AUG-2010
Calibration Time: 10:51
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	173679	54.52
2 Naphthalene-d8	494728	247364	989456	747623	51.12
3 Acenaphthene-d10	264752	132376	529504	387474	46.35
4 Phenanthrene-d10	415811	207906	831622	610259	46.76
5 Chrysene-d12	431516	215758	863032	568241	31.68
6 Perylene-d12	416460	208230	832920	546529	31.23

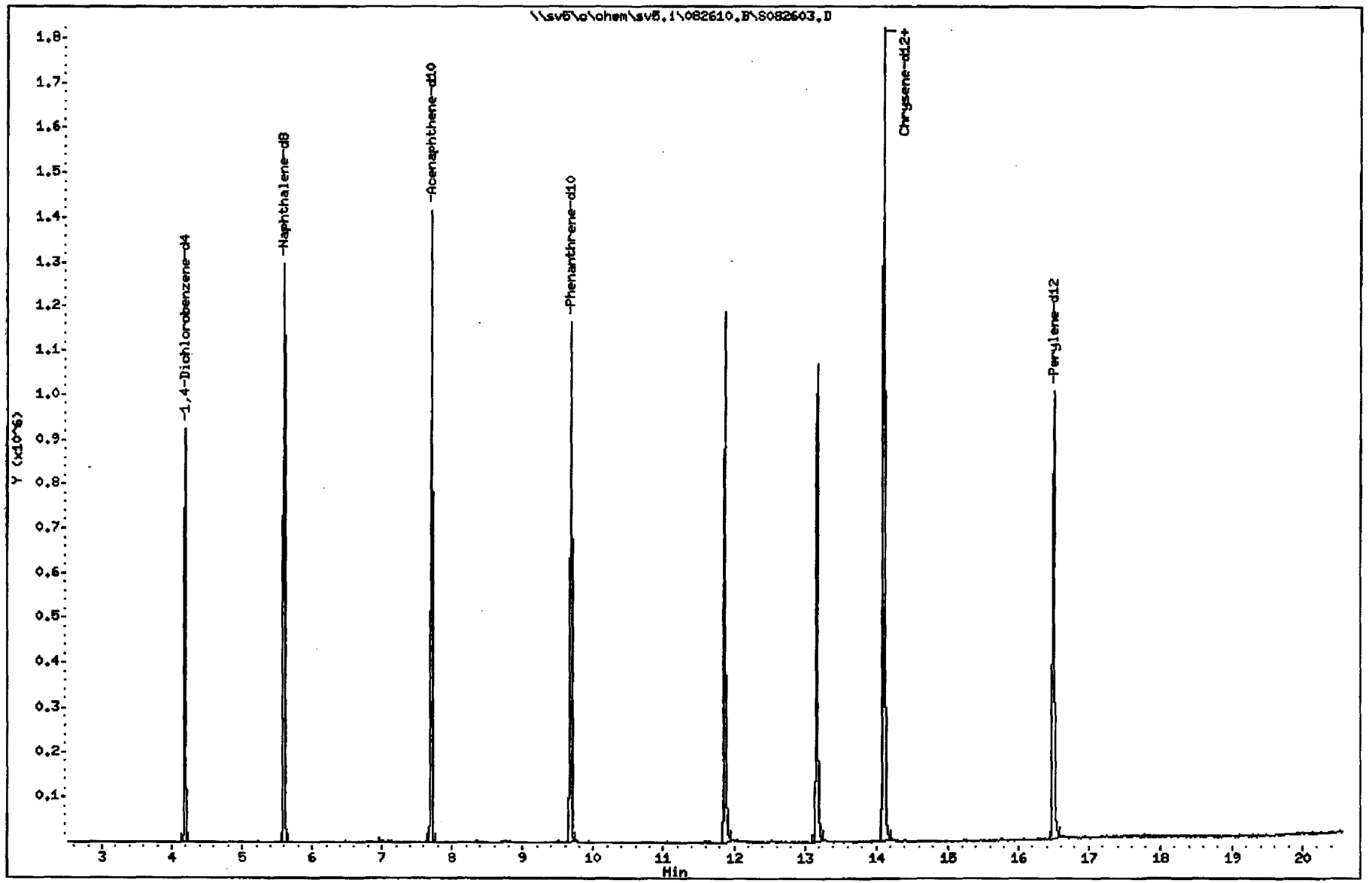
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	0.00
3 Acenaphthene-d10	7.71	7.21	8.21	7.71	0.00
4 Phenanthrene-d10	9.69	9.19	10.19	9.69	0.00
5 Chrysene-d12	14.10	13.60	14.60	14.10	0.00
6 Perylene-d12	16.50	16.00	17.00	16.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\o\ohem\sv5.i\082610.B\S082603.D
Date : 26-AUG-2010 12:28
Client ID: 8270F.H
Sample Info: Benzidines ICV 50ug/mL;2;;4;;;;;4

Instrument: sv5.i
Operator: srs
Column diameter: 2.00

Column phase:



Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
Organic Prep Log
8270 Air

Box # Air Tox #237

Shared QC Batch: N/A

Shares QC With: N/A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	8/30/10
Inst Receipt:	

Batch: 0238345
MS Run #:
Prep Date: 8/26/2010
Method: JZ TO-13
Matrix: S AIR
Extraction: 11 SOXHLET (NONE,Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: JZ - S - 11 - 3W

RUSH

Prep Reagents		
Reagent	Supplier	Lot #
1:1 DCM:Acetone	NA	N/A
DCM	Baker	J27500
Na2SO4	Baker	N/A

WS-OP-0006

Soxhlet time on: 13:55 Soxhlet time off: 11:30

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume 1mL	Final Volume Other	Analysis Hold Time Expires
G0H260000 - 345	B	L568C1AA	8/31/2010	1.0	✓		10/3/2010
G0H260000 - 345	C	L568C1AC	8/31/2010	1.0	✓		10/3/2010
G0H260000 - 345	L	L568C1AD	8/31/2010	1.0	✓		10/3/2010
G0H260533 - 6		L564J1AA	8/31/2010	1.0	✓		10/3/2010
G0H260533 - 7		L56481AA	8/31/2010	1.0	✓		10/3/2010
G0H260533 - 10		L565M1AA	8/31/2010	1.0	✓		10/3/2010

☑ XAD / PUF / (PUF-XAD)
☐ Filter
☐ Impinger

Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	500ul / 10AIR0121 / ABN Surr	2/27/11	ECJ	JZ	8/27/10
Spike Mix LCS/LCSD~~/MS/MS~~	1.0mL / 10AIR0122 / 8270 LCS Spike	1/1/11	ECJ	JZ	8/27/10
Pre-Spike Standard ~~All Samples~~ MB only ECJ 8/27/10	~~20~~ 250ul / 10AIR0103 / 12-70824 (ECJ 8/27/10)	11/3/10	ECJ	JZ	8/27/10
Internal Standard All Samples	20ul 10MSSV00FY	4-8-11	[illegible]	MCo	8-30-10

Soxhlet Extraction Analyst/Date: ECJ 8/27/10
Concentration Analyst/Date: ECJ 8/30/10
KD Analyst/Date: ECJ ~~8/28/10~~ 8/30/10 ECJ 8/30/10
Liq Liq Extraction Analyst/Date: N/A
KD Temp 80°C
Review Analyst/Date:

RUSH

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0239345 **Test:** TO-13

Prep Date: 8/27/10 **Holding Times:** 8/31/10 **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: JZ Date: 8/27/10

2nd Level Reviewer: MAE Date: 8/30/10

Comments:

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 8/30/10
Time: 13:00:30

LEV 1	LEV 2		LEV 1	LEV 2	
Y	_	Blank	Y	_	Weights/Volumes
Y	_	Check	Y	_	Spike & Surrogate Worksheet
_	_	MS/MSD	Y	_	Vial contains correct volume
			Y	_	Labels, greenbars, worksheets
				_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 403162 erica X. larson

Concentrationist: 403162 erica X. larson

QC BATCH: 0238345

PREP DATE: 8/26/10 17:00
COMP DATE: 8/27/10 17:00

Reviewer/Date: LARSONE / 8/30/10

Semivolatile Organics by GCMS in Air (TO-13A)
SOXHLET (NONE,Na2SO4)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
8/31/10	9/02/10	G0H260533-006 **L564J-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
8/31/10	9/02/10	G0H260533-007 **L5648-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
8/31/10	9/02/10	G0H260533-010 **L565M-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
8/31/10	0/00/00	G0H260000-345 **L568C-1-AAB**		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	250UL/10AIR0103/1,2-DCE 500UL/10AIR0121/ABN SURR
COMMENTS:															
8/31/10	0/00/00	G0H260000-345 **L568C-1-ACC**		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0122/LCS SPIK 500UL/10AIR0121/ABN SURR
COMMENTS:															
8/31/10	0/00/00	G0H260000-345 **L568C-1-ADL**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0122/LCS SPIK 500UL/10AIR0121/ABN SURR
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

TestAmerica West Sacramento

GC/MS Data Review Checklist

Batch: 0238345 **Method ID:** Semivolatile Organics by GCMS in Air (TO-13A)

NCM: (Y) N Lot ID G0H260533

A. Calibration/Instrument Run QC	Analyst	Reviewer	N/A
1. ICAL or ICAL Summary and CCV included.	✓	✓	
2. ICAL, CCV Criteria met.	✓	✓	
3. Peaks correctly ID'd by data system.	✓	✓	
4. Copy of logbook for ICAL included	✓	✓	
5. Tune criteria (including tailing factor and breakdown) met and copy included.	✓	✓	
6. Method Number is identified on data.	✓	✓	
B. QA/QC			
1. Method blank, LCS/LCSD and MS/SD frequencies met.	✓	✓	
2. LCS/LCSD and MB data is included.	✓	✓	
3. LCS/LCSD and MB data are within control limits. If not, NCM is present in Clouseau.	✓	✓	
4. MS/MSD data complete.	✓ 8/31/10		✓
5. Holding Times were met.	✓	✓	
6. All samples within tune time.	✓	✓	
C. Sample Analysis			
1. Logbook copies for all injections made, including ICV standards and ICAL.	✓	✓	
2. Logbooks/prep sheets properly filled out.	✓	✓	
3. Manual Integrations reviewed and appropriate.	✓	8/31/10	✓
4. All raw data for samples is included (applies to unused data as well)	✓	✓	
5. All analytes correctly reported.	✓	✓	
6. Correct reporting limits used. (based on client request, prep factors, and dilutions)	✓	✓	
7. Spectra present for all positives.	✓	✓	
D. Documentation			
1. Are all nonconformances documented appropriately?	✓	✓	
2. Quantims entry correct, including dates and times.	✓	✓	
3. Appropriate footnotes used.	✓	✓	

Analyst: [signature] Date: 8/31/10

2nd Level Reviewer: [signature] Date: 9/2/10

Comments: _____

TestAmerica West Sacramento

GC/MS Data Review Checklist

Batch: 0238345 **Method ID:** Semivolatile Organics by GCMS in Air (TO-13A)

NCM: (Y) N Lot ID 60H260533

A. Calibration/Instrument Run QC	Analyst	Reviewer	N/A
1. ICAL or ICAL Summary and CCV included.	✓	✓	
2. ICAL, CCV Criteria met.	✓	✓	
3. Peaks correctly ID'd by data system.	✓	✓	
4. Copy of logbook for ICAL included	✓	✓	
5. Tune criteria (including tailing factor and breakdown) met and copy included.	✓	✓	
6. Method Number is identified on data.	✓	✓	
B. QA/QC			
1. Method blank, LCS/LCSD and MS/SD frequencies met.	✓	✓	
2. LCS/LCSD and MB data is included.	✓	✓	
3. LCS/LCSD and MB data are within control limits. If not, NCM is present in Clouseau.	✓	✓	
4. MS/MSD data complete. LT 8/31/10	✓		✓
5. Holding Times were met.	✓	✓	
6. All samples within tune time.	✓	✓	
C. Sample Analysis			
1. Logbook copies for all injections made, including ICV standards and ICAL.	✓	✓	
2. Logbooks/prep sheets properly filled out.	✓	✓	
3. Manual Integrations reviewed and appropriate.	✓	LT 8/31/10	✓
4. All raw data for samples is included (applies to unused data as well)	✓	✓	
5. All analytes correctly reported.	✓	✓	
6. Correct reporting limits used. (based on client request, prep factors, and dilutions)	✓	✓	
7. Spectra present for all positives.	✓	✓	
D. Documentation			
1. Are all nonconformances documented appropriately?	✓	✓	
2. Quantims entry correct, including dates and times.	✓	✓	
3. Appropriate footnotes used.	✓	✓	

Analyst: LT Date: 8/31/10

2nd Level Reviewer: [signature] Date: 9/2/10

Comments: _____

QA-508 12/2/2006 MAF

AIR, TO-9, 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

VR 9.2.10

Run text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB
Run #8 Filename: 30AU104D5 S: 32 I: 1 Results: 30AU104D5TO9
Acquired: 31-AUG-10 08:46:06 Processed: 31-AUG-10 17:25:47
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAM

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	69401300	0.78	y	19:52	-	41.559	-	-	n
13C-2,3,7,8-TCDF	76171200	0.78	y	19:17	1.23	3571.167	0.980	89.3	n
2,3,7,8-TCDF	10607	1.08	n	19:16	0.99	~~0.560~~	1.355	-	n
Total TCDF	26867	2.39	n	18:32	0.99	~~1.419~~	1.355	-	n
13C-2,3,7,8-TCDD	55422400	0.81	y	20:05	0.91	3529.413	4.442	88.2	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.98	*	1.788	-	n
Total TCDD	35967	0.55	n	17:32	0.98	~~2.639~~	1.788	-	n
37Cl-2,3,7,8-TCDD	50232400	1.00	y	20:06	1.33	2733.960	0.191	170.9	n
13C-1,2,3,7,8-PeCDF	57815200	1.55	y	25:06	0.88	3803.695	3.873	95.1	n
1,2,3,7,8-PeCDF	5501	0.26	n	25:05	1.08	~~0.353~~	1.302	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.05	*	1.340	-	n
Total F2 PeCDF	91309	0.26	n	23:32	1.06	~~5.948~~	~~1.321~~	-	n
Total F1 PeCDF	110455	0.69	n	15:13	1.06	~~4.202~~	~~0.393~~ 1340	-	n
13C-1,2,3,7,8-PeCDD	36718500	1.65	y	27:29	0.66	3202.514	0.331	80.1	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*	4.136	-	n
Total PeCDD	53891	0.97	n	24:19	0.93	~~6.344~~	4.136	-	n
13C-1,2,3,7,8,9-HxCDD	38144500	1.24	y	33:18	-	32.217	-	-	n
13C-1,2,3,4,7,8-HxCDF	39446500	0.50	y	32:12	1.04	<2.55 S/N 8959.214 DL	2.231	99.0	n
1,2,3,4,7,8-HxCDF	9955	0.54	n	32:11	1.22	0.829 JQ	0.647	-	n
1,2,3,6,7,8-HxCDF	10386	1.02	n	32:20	1.28	9/2/2010 0.822 JQ	0.615	-	n
2,3,4,6,7,8-HxCDF	5684	1.73	n	32:52	1.23	~~0.467~~ DL	0.639	-	n
1,2,3,7,8,9-HxCDF	42132	1.39	y	33:32	1.10	3.890 J	0.717	-	n
Total HxCDF	113608	1.96	n	30:39	1.21	~~9.825~~ 8.227	~~0.652~~	-	n
						8.57 9/2/2010 MEW			
13C-1,2,3,6,7,8-HxCDD	32492500	1.29	y	33:02	0.83	4101.280	0.506	102.5	n
1,2,3,4,7,8-HxCDD	11901	1.06	y	32:59	1.04	~~1.413~~	1.679	-	n
1,2,3,6,7,8-HxCDD	11901	1.06	y	32:59	1.16	~~1.260~~	1.498	-	n
1,2,3,7,8,9-HxCDD	29699	0.81	n	33:17	1.18	3.094 JQ	1.474	-	n
Total HxCDD	105167	2.16	n	30:54	1.13	~~11.296~~ 5.28	1.545	-	n
13C-1,2,3,4,6,7,8-HpCDF	29682270	0.44	y	34:50	0.91	3420.370	11.737	85.5	n
1,2,3,4,6,7,8-HpCDF	35356	3.13	n	34:48	1.35	3.540 JQ	1.483	-	n
1,2,3,4,7,8,9-HpCDF	32480	0.96	y	36:00	1.09	4.003 J	1.825	-	n
Total HpCDF	67836	3.13	n	34:48	1.22	7.543	1.636	-	n
13C-1,2,3,4,6,7,8-HpCDD	26395100	1.08	y	35:39	0.83	3348.520	3.617	83.7	n
1,2,3,4,6,7,8-HpCDD	45444	1.14	y	35:40	1.07	6.426 J	1.632	-	n
Total HpCDD	115108	4.42	n	34:31	1.07	~~16.277~~ 12.27	1.632	-	n
13C-OCDD	34653200	0.91	y	38:12	0.62	5862.070	5.995	73.3	n

OCDF	9403	2.02	n	38:20	1.37	~~1.584~~	3.768	-	n
OCDD	61494	0.78	y	38:14	1.20	11.837 J	1.550	-	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:3
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	0.71 of which	0.28 named and	0.43 unnamed
Conc:	1.42 of which	0.56 named and	0.86 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	18:32	2.39	n	0.28	7037	2.3	n	n
						2948	1.0	n	n
2,3,7,8-TCDF	2	19:16	1.08	n	0.56	6453	3.2	y	n
						5993	1.6	n	n
	3	21:50	1.14	n	0.58	7113	2.7	n	n
						6238	1.2	n	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:3
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	1.32 of which	* named and	1.32 unnamed
Conc:	2.64 of which	* named and	2.64 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	17:32	0.55	n	1.07	6323	1.8	n	n
						11451	3.9	y	n
	2	20:46	1.38	n	0.44	4648	1.8	n	n
						3359	1.1	n	n
	3	21:21	2.02	n	1.14	17652	4.2	y	n
						8750	2.0	n	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:18
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	2.97 of which	0.18 named and	2.80 unnamed
Conc:	5.95 of which	0.35 named and	5.59 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:32	0.26	n	0.27	2536	5.2	y	n
						9673	4.0	y	n
	2	23:36	1.17	n	0.29	2686	6.7	y	n
						2295	0.9	n	n
	3	24:36	0.43	n	0.24	2256	5.8	y	n
						5249	1.9	n	n
	4	24:42	0.10	n	0.02	168	0.4	n	n
						1621	0.5	n	n
	5	24:50	0.55	n	0.20	1883	3.5	y	n
						3435	1.4	n	n
	6	24:59	0.17	n	0.24	2228	5.3	y	n
						13038	2.2	n	n
1,2,3,7,8-PeCDF	7	25:05	0.26	n	0.35	3344	9.3	y	n
						13038	2.2	n	n
	8	25:09	2.59	n	0.61	9534	15.4	y	n
						3687	1.3	n	n
	9	25:33	0.85	n	0.33	3094	7.0	y	n
						3619	1.2	n	n
	10	25:38	0.41	n	0.16	1486	2.6	n	n
						3619	1.2	n	n
	11	26:49	0.15	n	0.05	490	1.4	n	n
						3176	1.3	n	n
	12	27:02	2.70	n	0.55	8912	14.2	y	n
						3299	0.9	n	n
	13	28:02	0.48	n	0.19	1749	3.7	y	n
						3616	0.8	n	n
	14	28:26	0.38	n	0.20	1890	2.7	n	n
						4909	1.5	n	n
	15	28:50	0.31	n	0.11	1069	2.6	n	n
						3421	1.1	n	n
	16	29:00	1.25	n	1.78	16579	19.7	y	n
						13271	2.9	n	n
	17	29:45	0.35	n	0.17	1572	3.2	y	n
						4448	1.0	n	n
	18	29:52	0.37	n	0.18	1643	3.8	y	n
						4448	1.0	n	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:28
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	3.60 of which	* named and	3.60	unnamed	
Conc:	7.20 of which	* named and	7.20	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:13	0.69	n	0.15	1363	3.1	y	n
						1968	4.7	y	n
	2	15:24	0.56	n	0.36	3378	4.3	y	n
						6069	11.4	y	n
	3	15:31	0.81	n	0.36	3352	4.5	y	n
						4147	8.3	y	n
	4	16:03	1.01	n	0.10	955	2.0	n	n
						942	1.6	n	n
	5	16:17	0.11	n	0.09	795	1.8	n	n
						7338	7.8	y	n
	6	16:40	1.12	n	0.42	3934	9.0	y	n
						3515	7.9	y	n
	7	16:46	0.26	n	0.06	530	0.7	n	n
						2053	5.1	y	n
	8	16:54	0.52	n	0.54	5055	10.2	y	n
						9660	14.2	y	n
	9	17:06	0.30	n	0.09	833	1.4	n	n
						2742	5.9	y	n
	10	17:18	0.33	n	0.29	2670	4.5	y	n
						8135	18.3	y	n
	11	17:25	0.37	n	0.16	1446	3.4	y	n
						3879	6.1	y	n
	12	18:03	0.26	n	0.27	2482	3.4	y	n
						9559	14.8	y	n
	13	18:14	0.21	n	0.14	1291	2.9	n	n
						6152	10.3	y	n
	14	18:57	1.02	n	0.07	647	1.4	n	n
						634	1.4	n	n
	15	19:30	0.19	n	0.06	532	0.9	n	n
						2841	7.2	y	n
	16	19:48	1.21	n	0.54	5077	5.4	y	n

					4207	10.6	y	n
17	19:57	0.55	n	0.16	1527	3.5	y	n
					2801	4.1	y	n
18	20:10	0.47	n	0.15	1404	3.3	y	n
					2980	7.6	y	n
19	20:30	0.68	n	0.35	3231	4.1	y	n
					4784	12.5	y	n
20	20:45	0.13	n	0.06	562	1.0	n	n
					4379	6.6	y	n
21	20:48	0.83	n	0.03	326	0.8	n	n
					392	0.7	n	n
22	21:05	0.28	n	0.25	2341	4.3	y	n
					8237	11.8	y	n
23	21:19	0.11	n	0.07	681	1.1	n	n
					6364	14.3	y	n
24	21:30	1.31	n	0.43	3964	7.3	y	n
					3031	7.4	y	n
25	21:40	0.28	n	0.55	5161	9.7	y	n
					18340	20.7	y	n
26	21:44	0.47	n	0.92	8557	12.3	y	n
					18340	20.7	y	n
27	22:02	0.43	n	0.33	3046	4.4	y	n
					7035	8.0	y	n
28	22:08	0.28	n	0.21	1997	4.1	y	n
					7035	8.0	y	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:6
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	3.17 of which	* named and	3.17	unnamed
Conc:	6.34 of which	* named and	6.34	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	24:19	0.97	n	0.75	3864	1.3	n	n
						3982	2.2	n	n
	2	24:51	1.37	y	0.93	4560	1.4	n	n
						3319	2.2	n	n
	3	26:55	7.57	n	1.14	28737	5.7	y	n
						3795	3.0	n	n
	4	27:01	2.31	n	1.14	8784	2.3	n	n
						3795	3.0	n	n
	5	28:39	1.23	n	1.63	8395	2.0	n	n
						6826	4.2	y	n
	6	30:14	1.09	n	0.76	3946	1.3	n	n
						3611	2.6	n	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:11
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	4.91 of which	3.00 named and	1.91	unnamed
Conc:	9.83 of which	6.01 named and	3.82	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:39	1.96	n	0.33	3418	1.8	n	n
						1746	4.3	y	n
	2	30:46	0.56	n	0.14	946	0.6	n	n
						1683	7.2	y	n
	3	30:57	0.85	n	2.68	17654	6.7	y	n
						20761	38.3	y	n
	4	31:06	0.71	n	0.15	1013	0.7	n	n
						1432	6.0	y	n
	5	31:12	1.16	y	0.26	1657	1.0	n	n

						1432	6.0	y	n	
1,2,3,4,7,8-HxCDF	6	32:11	0.54	n	0.83	5511	2.5	n	n	
						10221	14.5	y	n	
1,2,3,6,7,8-HxCDF	7	32:20	1.02	n	0.82	5749	4.3	y	n	
						5661	17.1	y	n	
2,3,4,6,7,8-HxCDF	8	32:52	1.73	n	0.47	4387	2.8	n	n	
						2537	9.7	y	n	
	9	33:11	9.36	n	0.06	3134	2.5	n	n	
						335	1.3	n	n	
	10	33:17	1.16	y	0.19	1222	0.8	n	n	
						1051	4.5	y	n	
1,2,3,7,8,9-HxCDF	11	33:32	1.39	y	3.89	24511	7.9	y	n	
						17621	36.1	y	n	

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:8
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	5.65 of which	2.18 named and	3.47 unnamed
Conc:	11.30 of which	4.35 named and	6.94 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:54	2.16	n	0.29	2538	1.5	n	n
						1173	0.9	n	n
	2	31:22	0.58	n	0.69	3507	1.1	n	n
						6069	2.5	n	n
	3	31:41	0.78	n	2.69	13654	5.1	y	n
						17497	7.1	y	n
	4	32:18	1.27	y	1.67	8564	3.3	y	n
						6745	2.9	n	n
	5	32:28	0.65	n	0.98	4948	2.7	n	n
						7659	4.3	y	n
1,2,3,6,7,8-HxCDD	6	32:59	1.06	y	1.26	6129	1.6	n	n
						5773	2.9	n	n
1,2,3,7,8,9-HxCDD	7	33:17	0.81	n	3.09	16441	6.3	y	n
						20340	7.6	y	n
	8	33:27	0.20	n	0.62	3149	1.8	n	n
						16019	5.2	y	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:2
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	3.77	of which	3.77	named and	* unnamed
Conc:	7.54	of which	7.54	named and	* unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:48	3.13	n	3.54	54302	11.7	y	n
						17332	12.8	y	n
1,2,3,4,7,8,9-HpCDF	2	36:00	0.96	y	4.00	15944	3.8	y	n
						16536	13.9	y	n

Run Text: L568A-1-AA Sample text: L568A-1-AA :G0H260533-1MB

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:9
Run: 8 File: 30AU104D5 S:32 Acq:31-AUG-10 08:46:06
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	8.14	of which	3.21	named and	4.93 unnamed
Conc:	16.28	of which	6.43	named and	9.85 unnamed

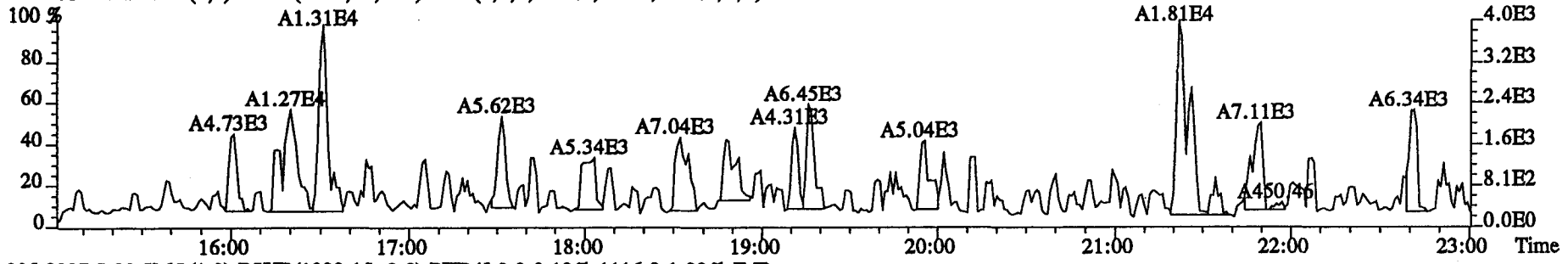
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	34:31	4.42	n	0.50	7706	3.5	y	n
						1743	4.4	y	n
	2	34:39	4.00	n	0.29	4022	1.4	n	n
						1004	3.1	y	n
	3	34:50	1.08	y	1.46	5366	1.9	n	n
						4969	7.8	y	n
	4	35:05	0.89	y	5.84	19442	6.5	y	n
						21836	38.7	y	n
1,2,3,4,6,7,8-HpCDD	5	35:40	1.14	y	6.43	24184	5.4	y	n
						21260	34.6	y	n
	6	35:47	2.13	n	0.47	3433	1.4	n	n
						1615	4.7	y	n
	7	36:09	2.19	n	0.39	2989	1.3	n	n
						1367	2.8	n	n
	8	36:33	2.30	n	0.67	5387	1.5	n	n
						2340	7.2	y	n
	9	36:41	4.67	n	0.22	3638	1.2	n	n

2.27

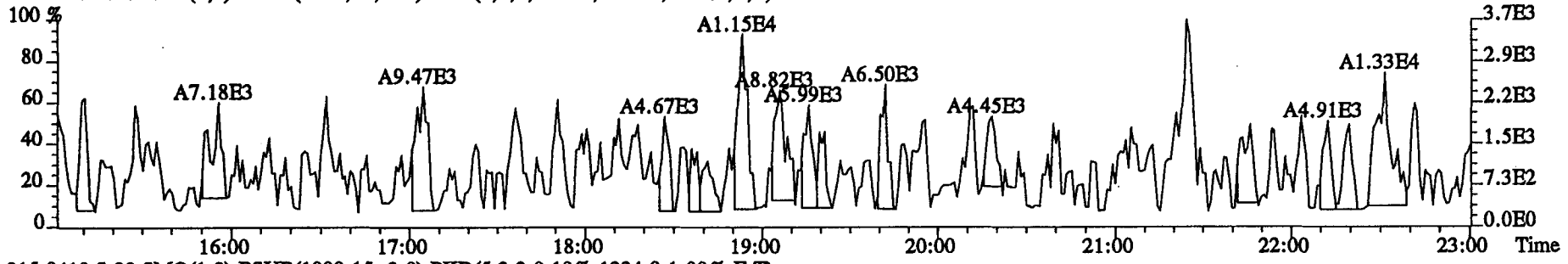
780 2.2 n n

File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

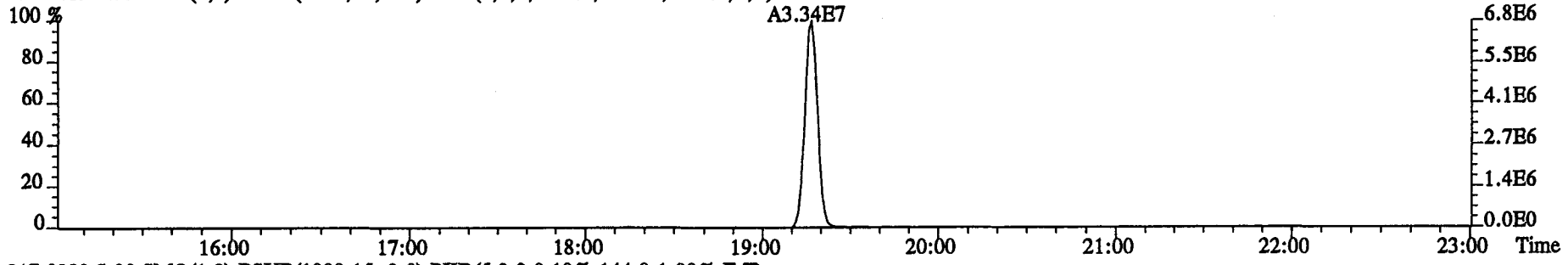
303.9016 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,636.0,1.00%,F,T)



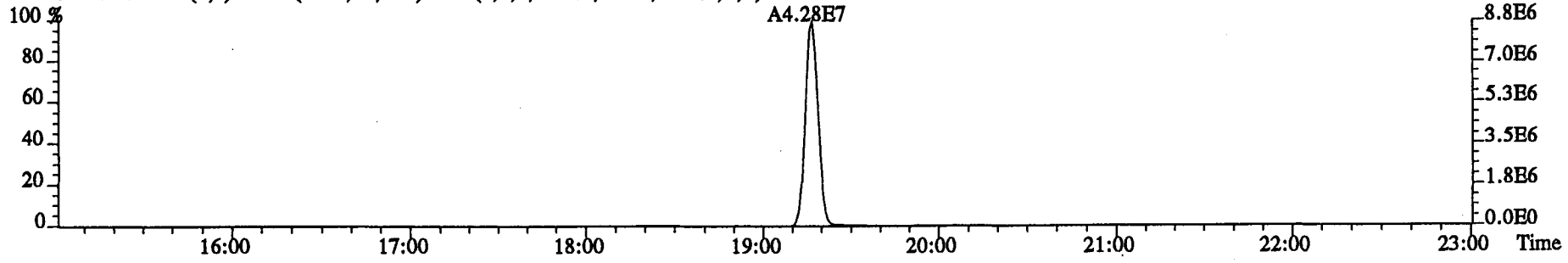
305.8987 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1116.0,1.00%,F,T)



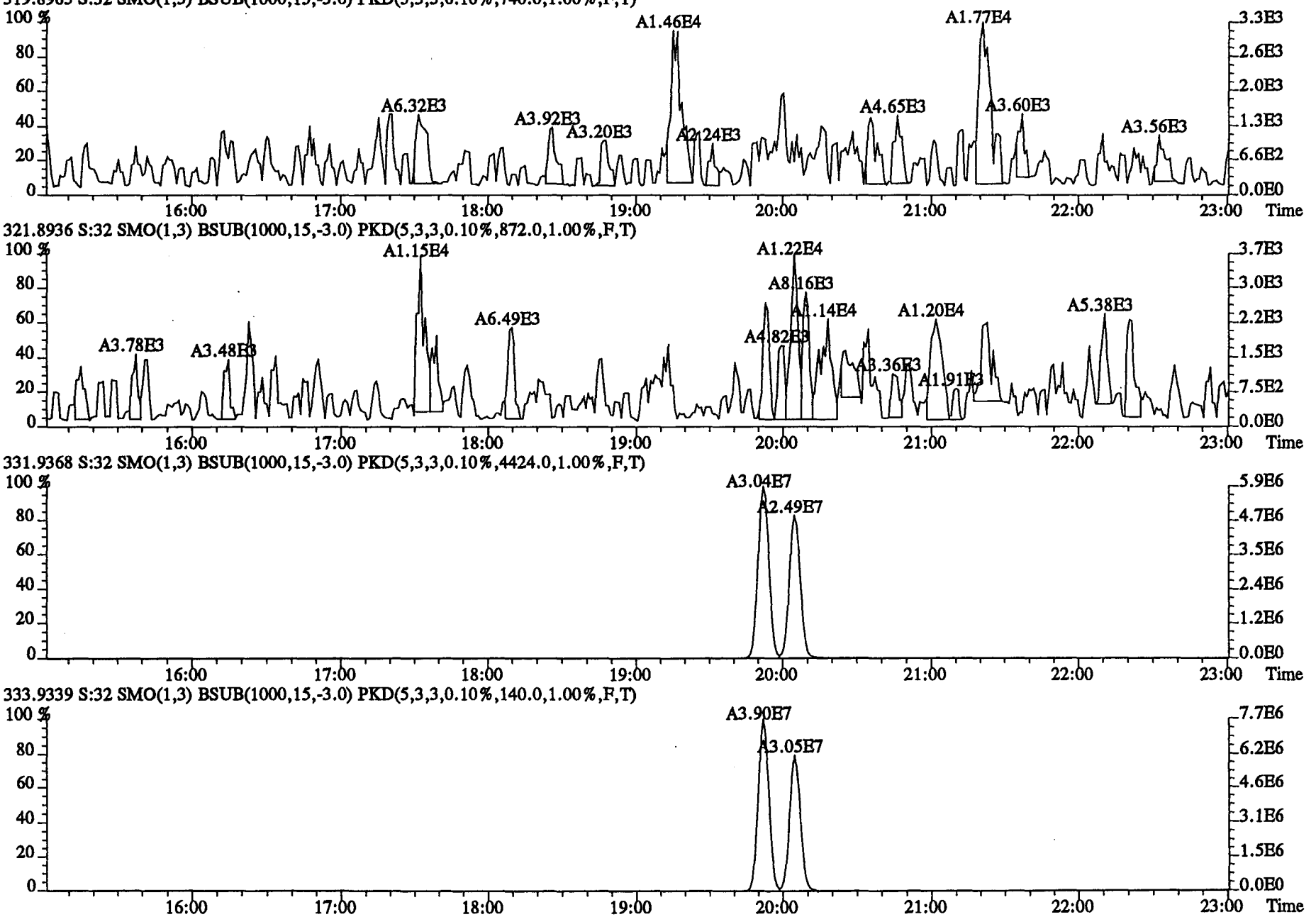
315.9419 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1224.0,1.00%,F,T)



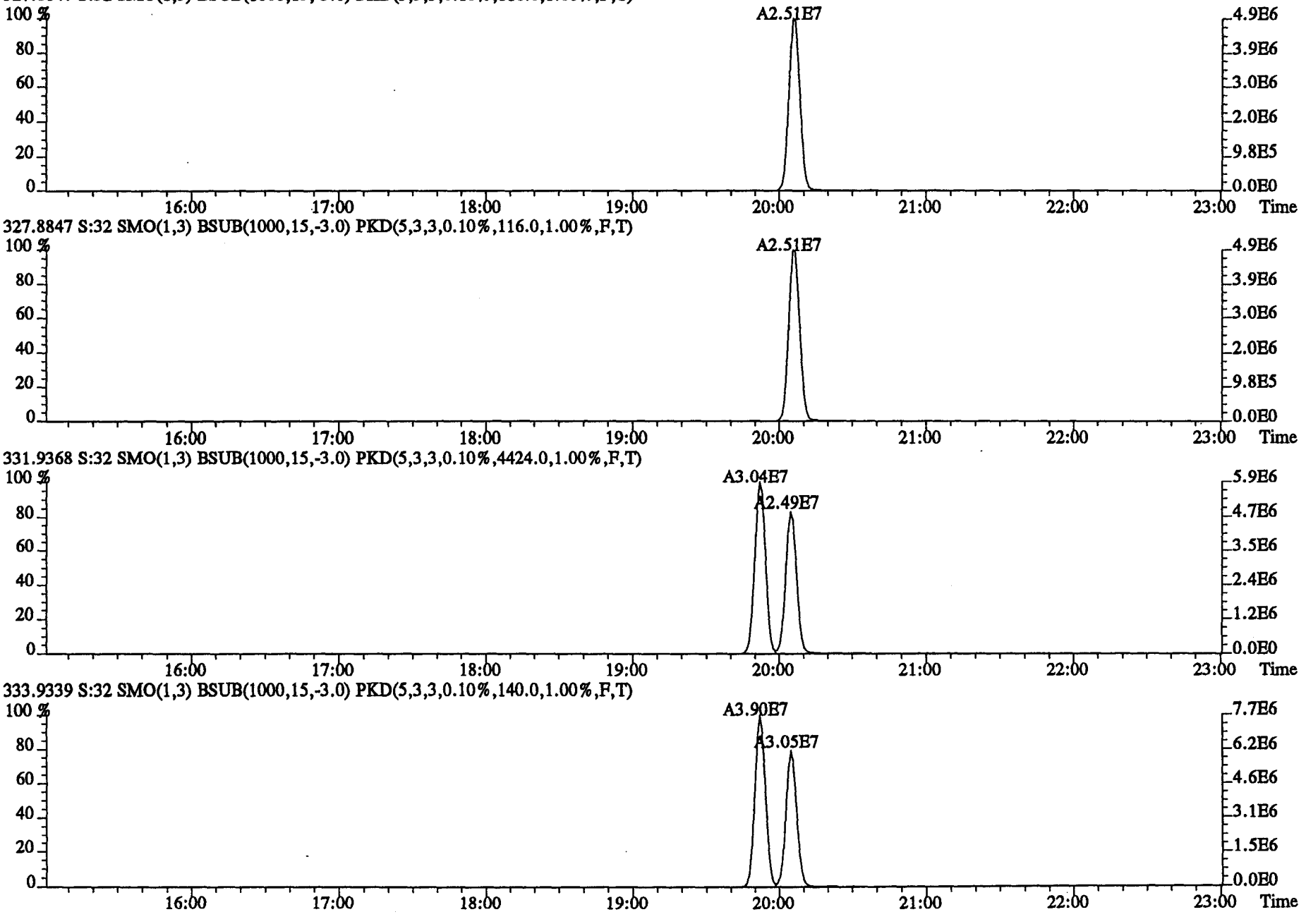
317.9389 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

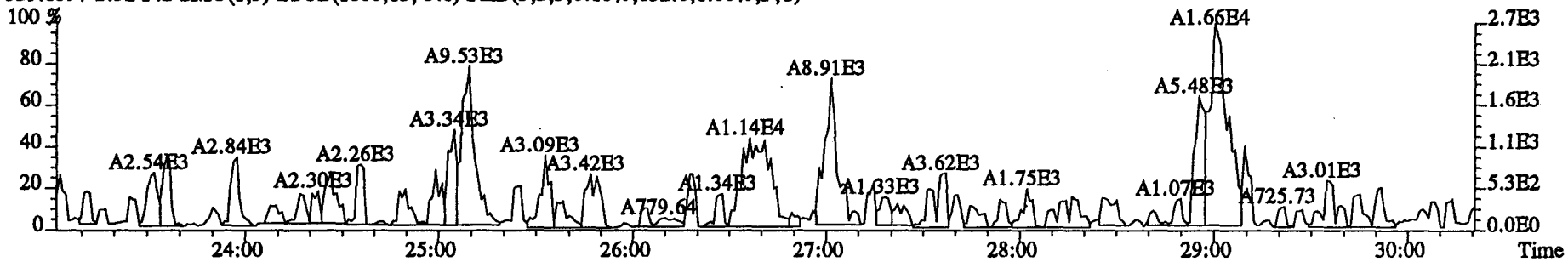


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

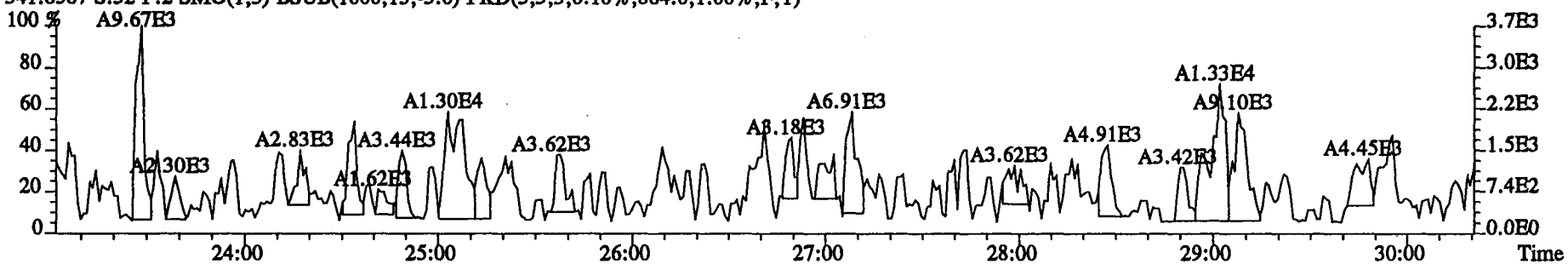


File:30AU104D5 #1-470 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

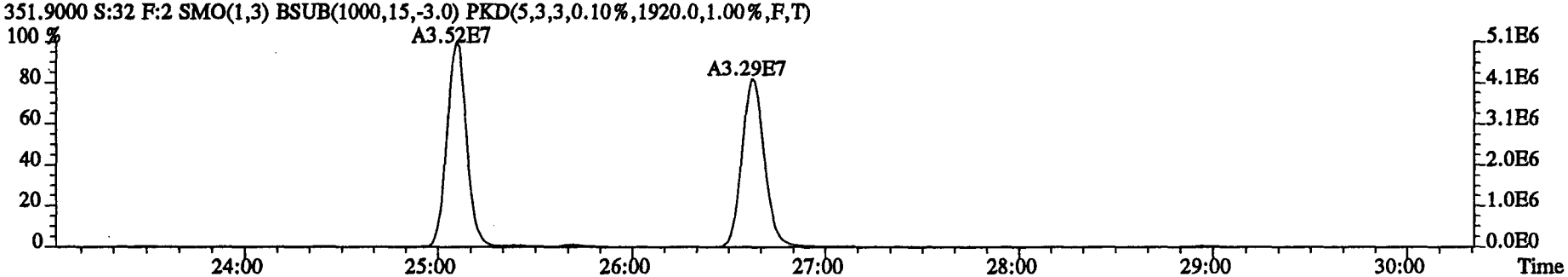
339.8597 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



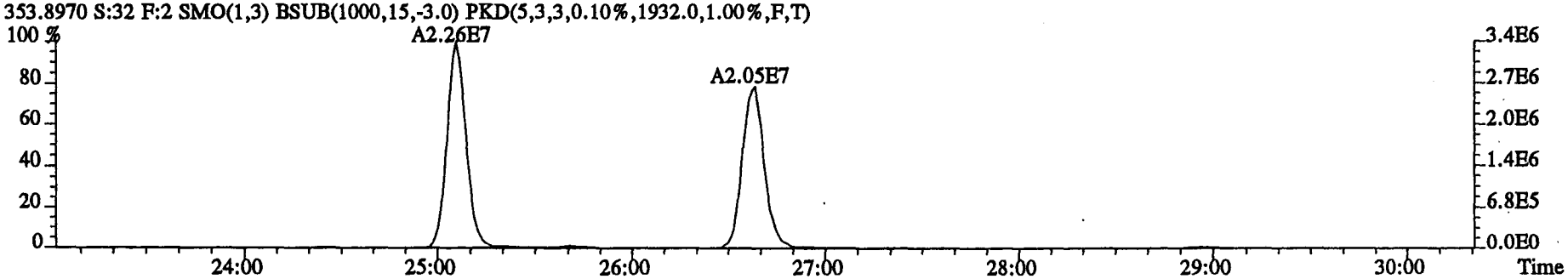
341.8567 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



351.9000 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)

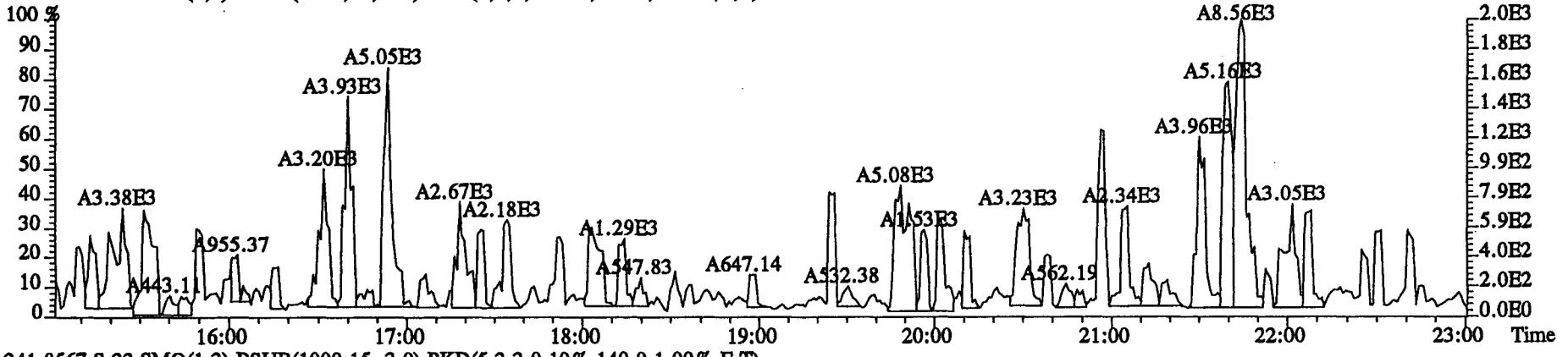


353.8970 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1932.0,1.00%,F,T)

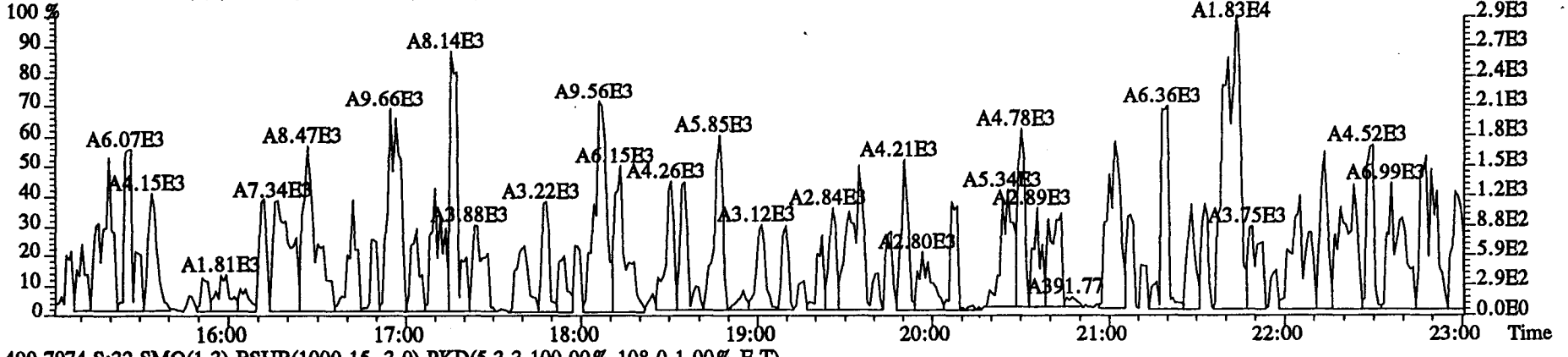


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

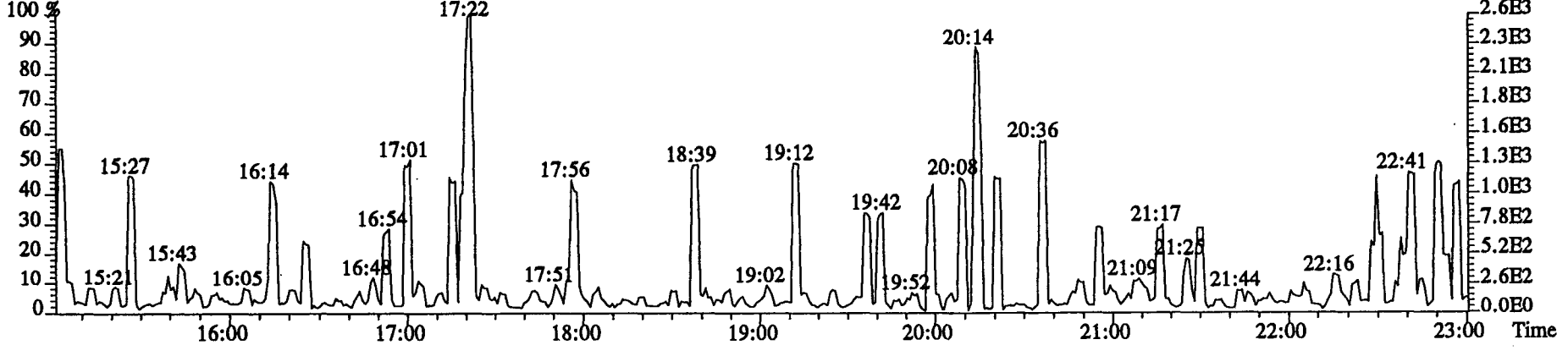
339.8597 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156.0,1.00%,F,T)



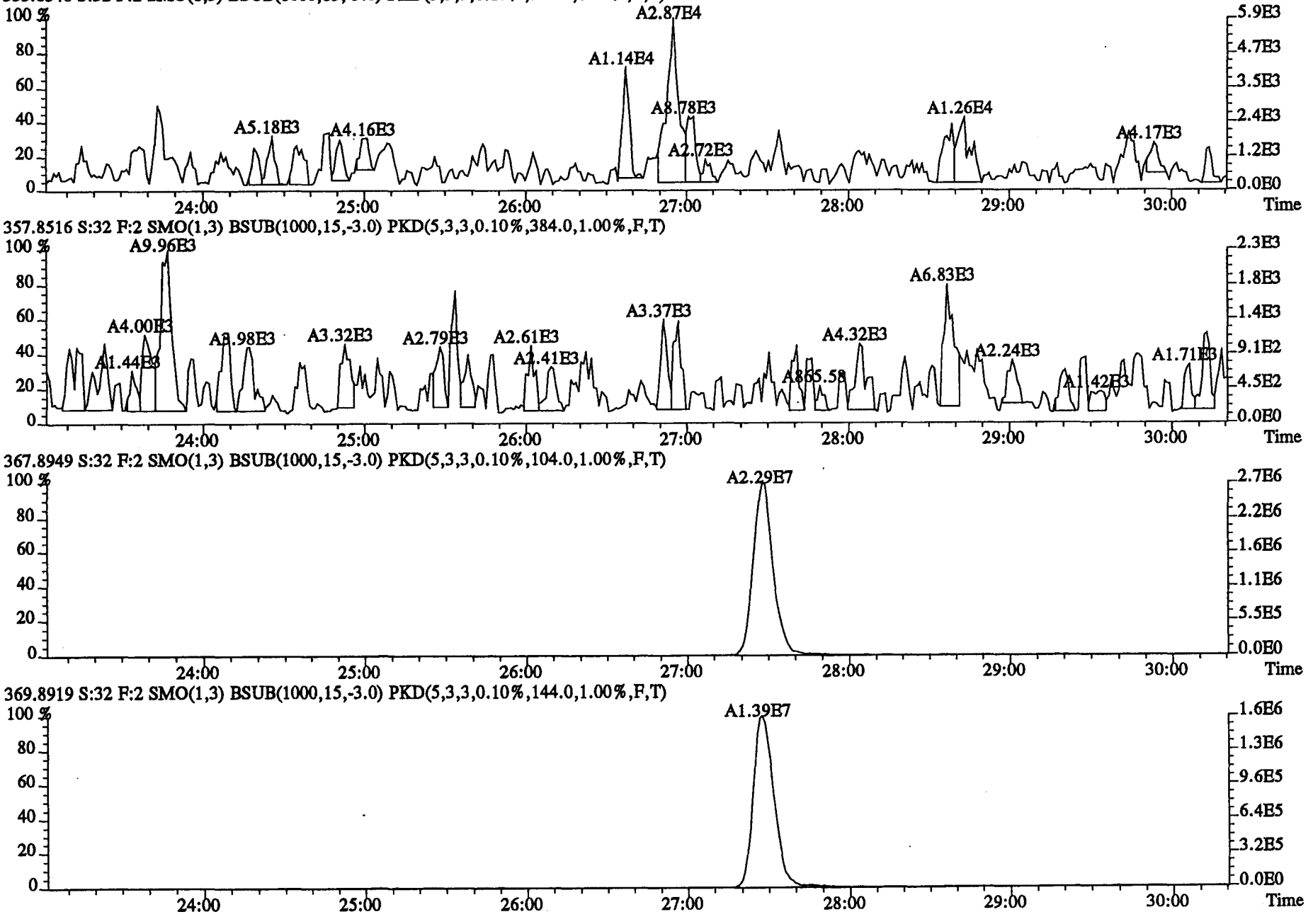
341.8567 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



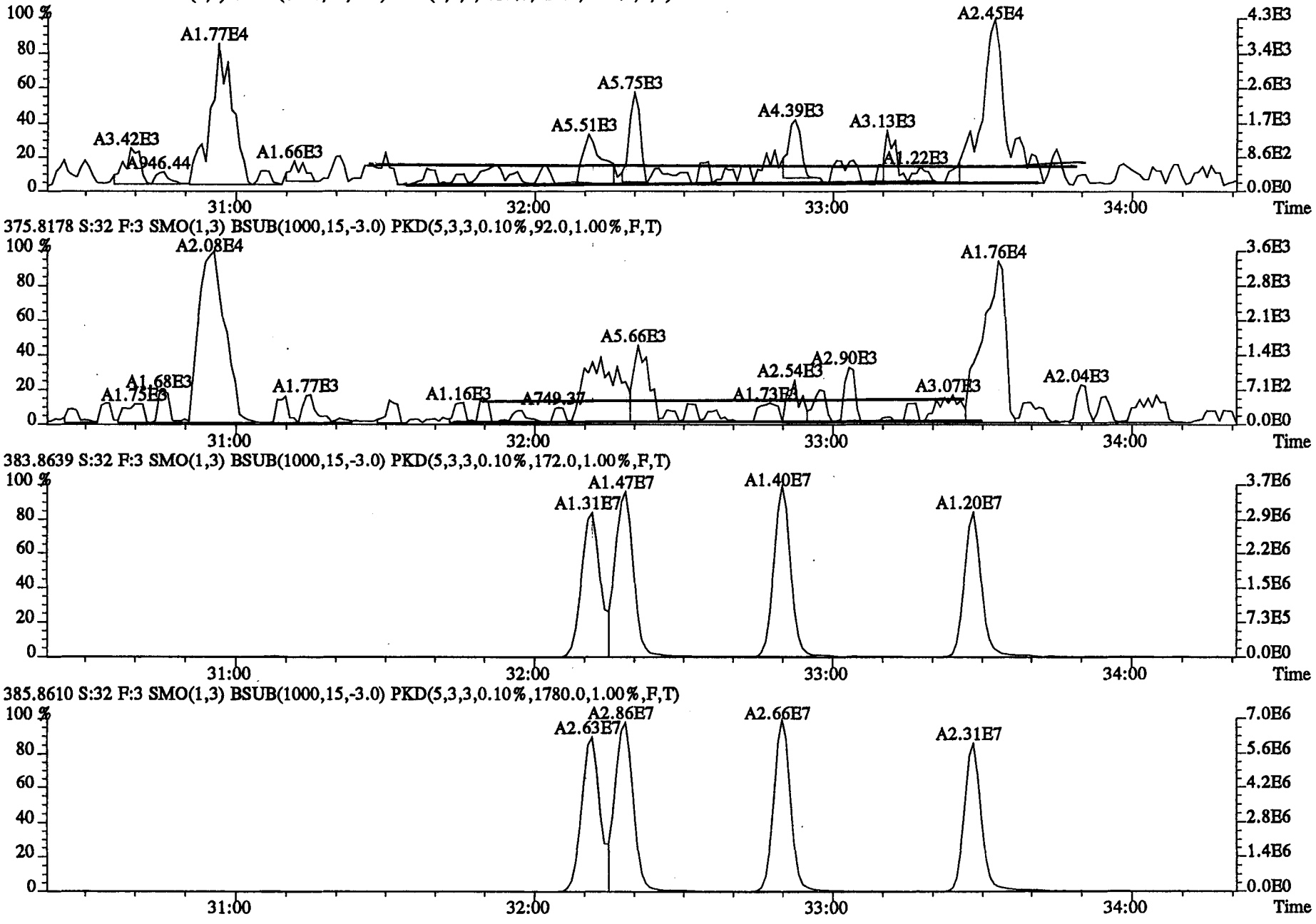
409.7974 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)



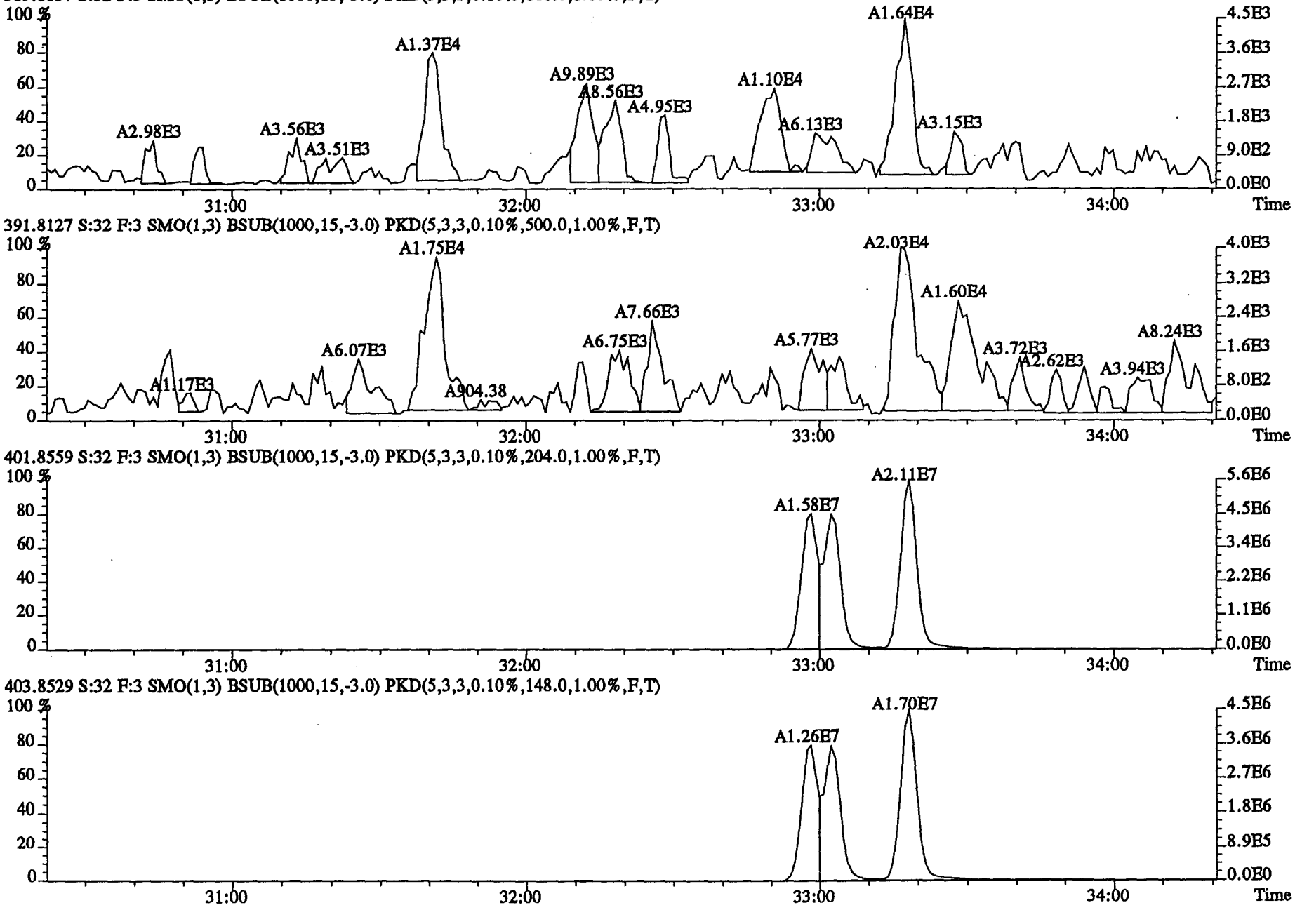
File:30AU104D5 #1-470 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



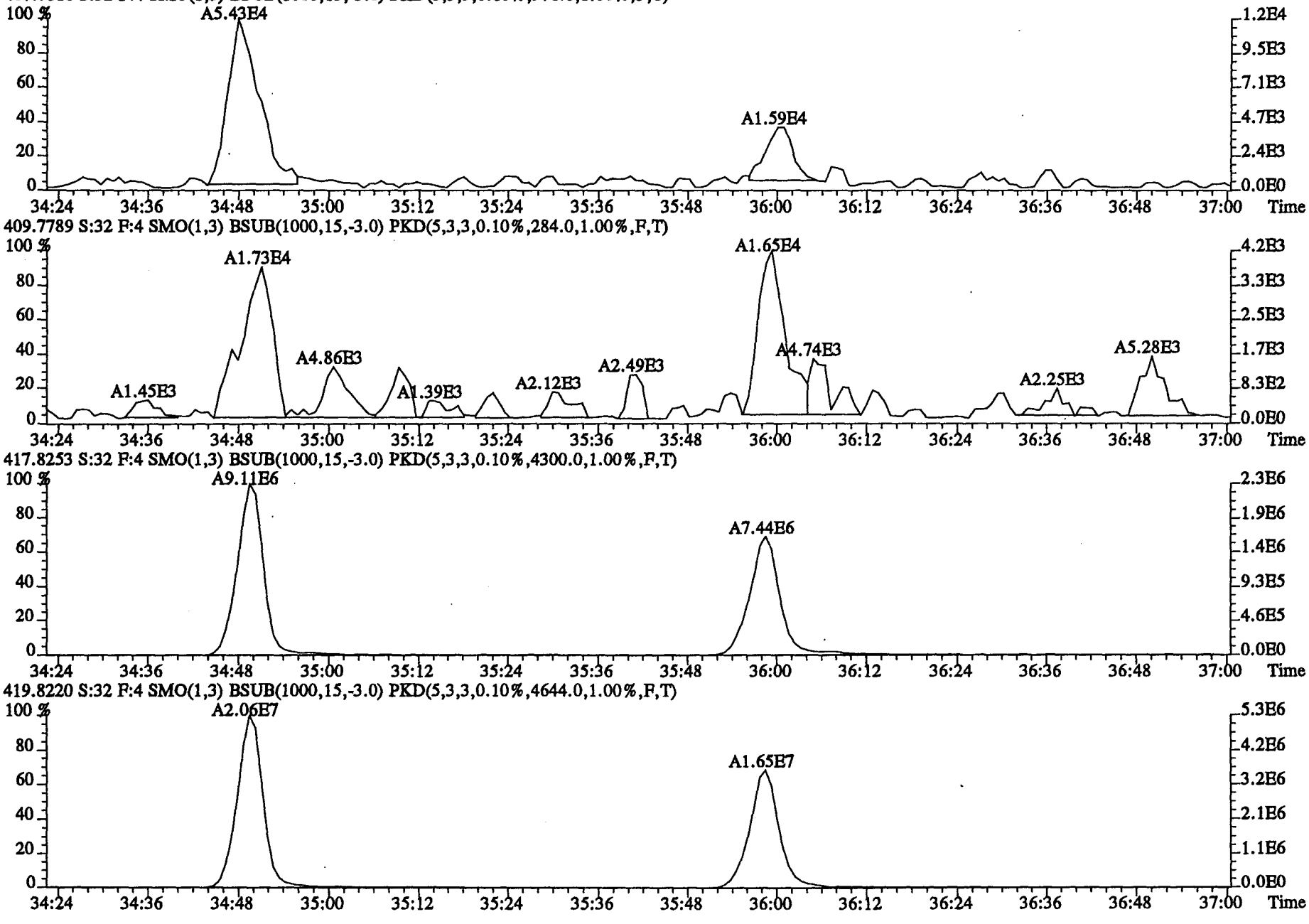
File:30AU104D5 #1-287 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



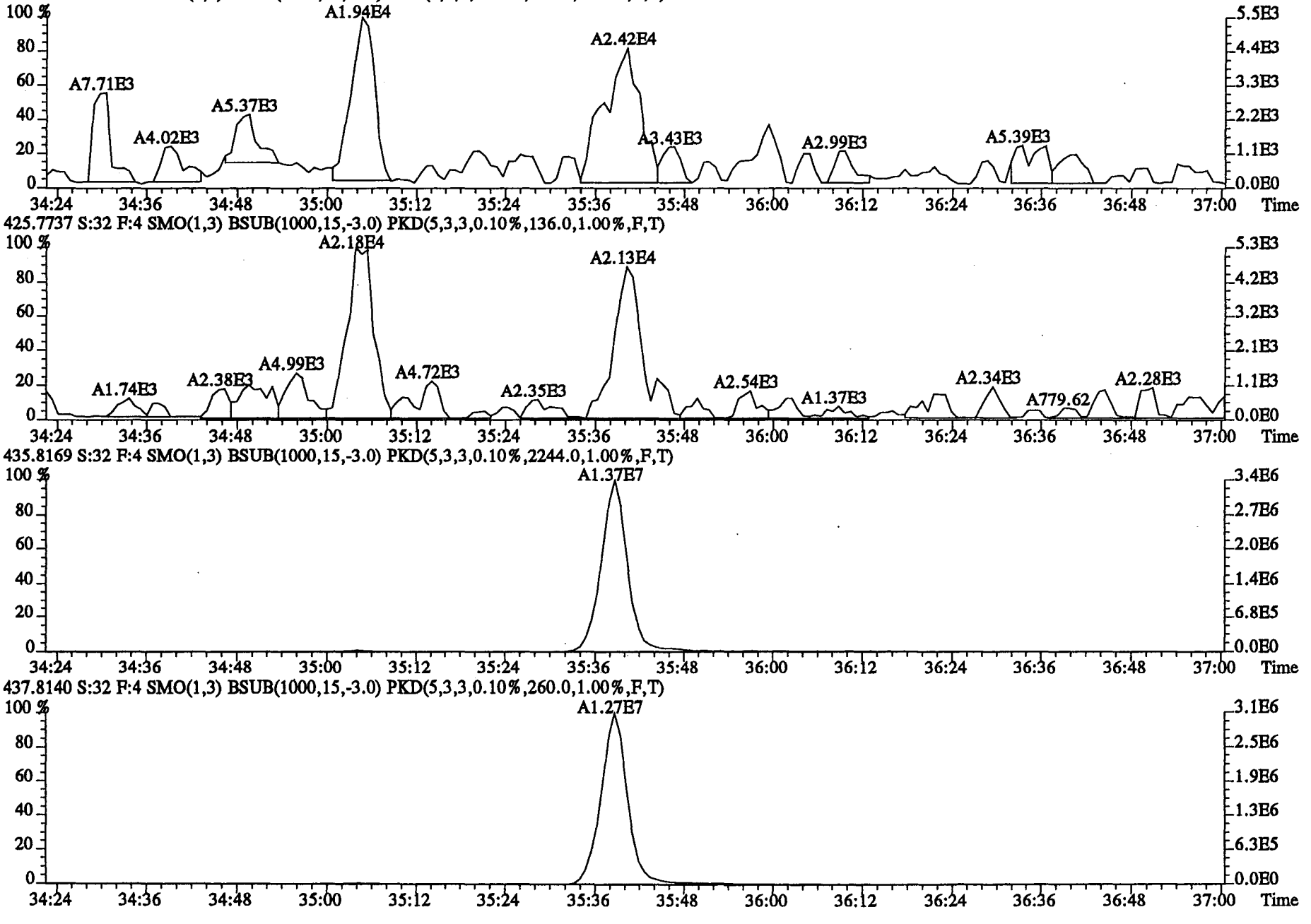
File:30AU104D5 #1-287 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



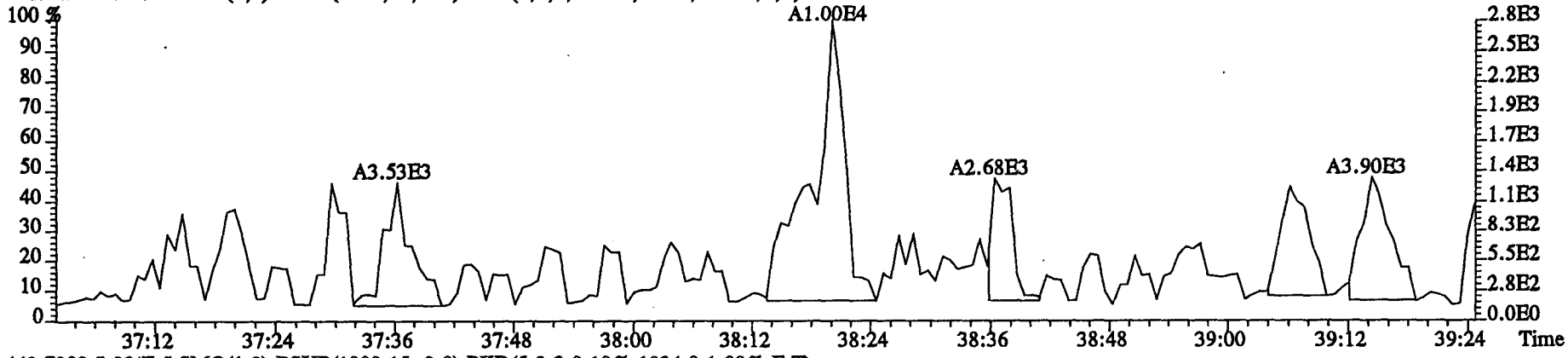
File:30AU104D5 #1-200 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



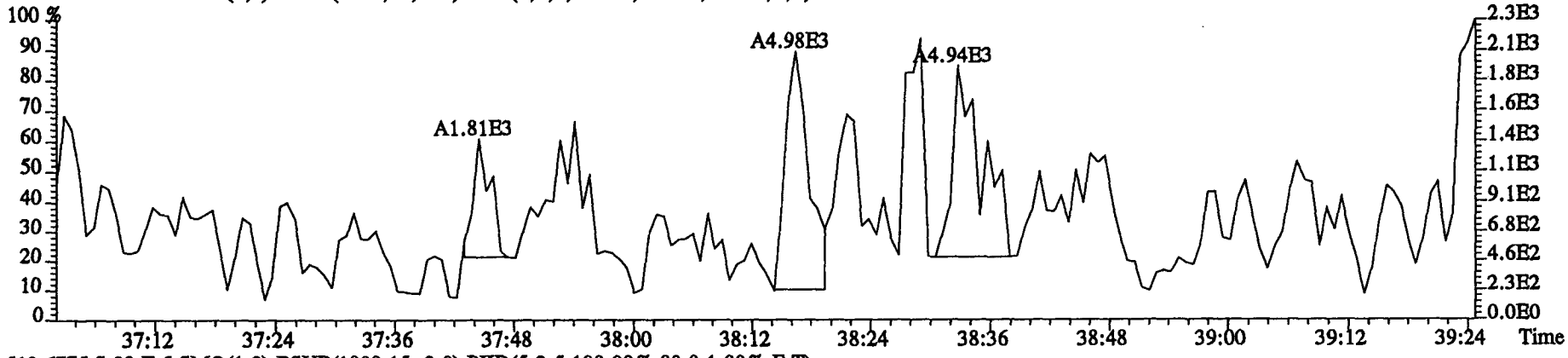
File:30AU104D5 #1-200 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



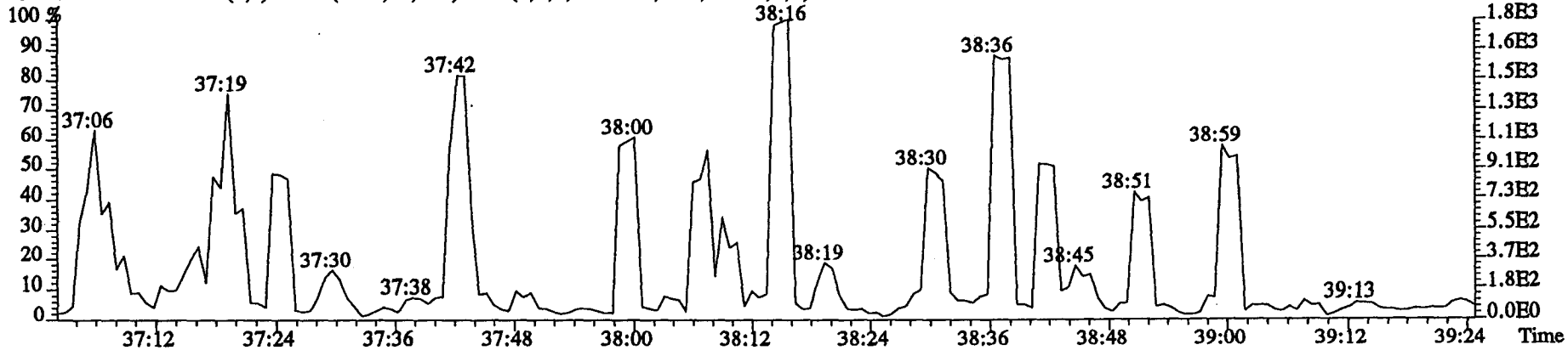
File:30AU104D5 #1-193 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES
441.7428 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,532.0,1.00%,F,T)



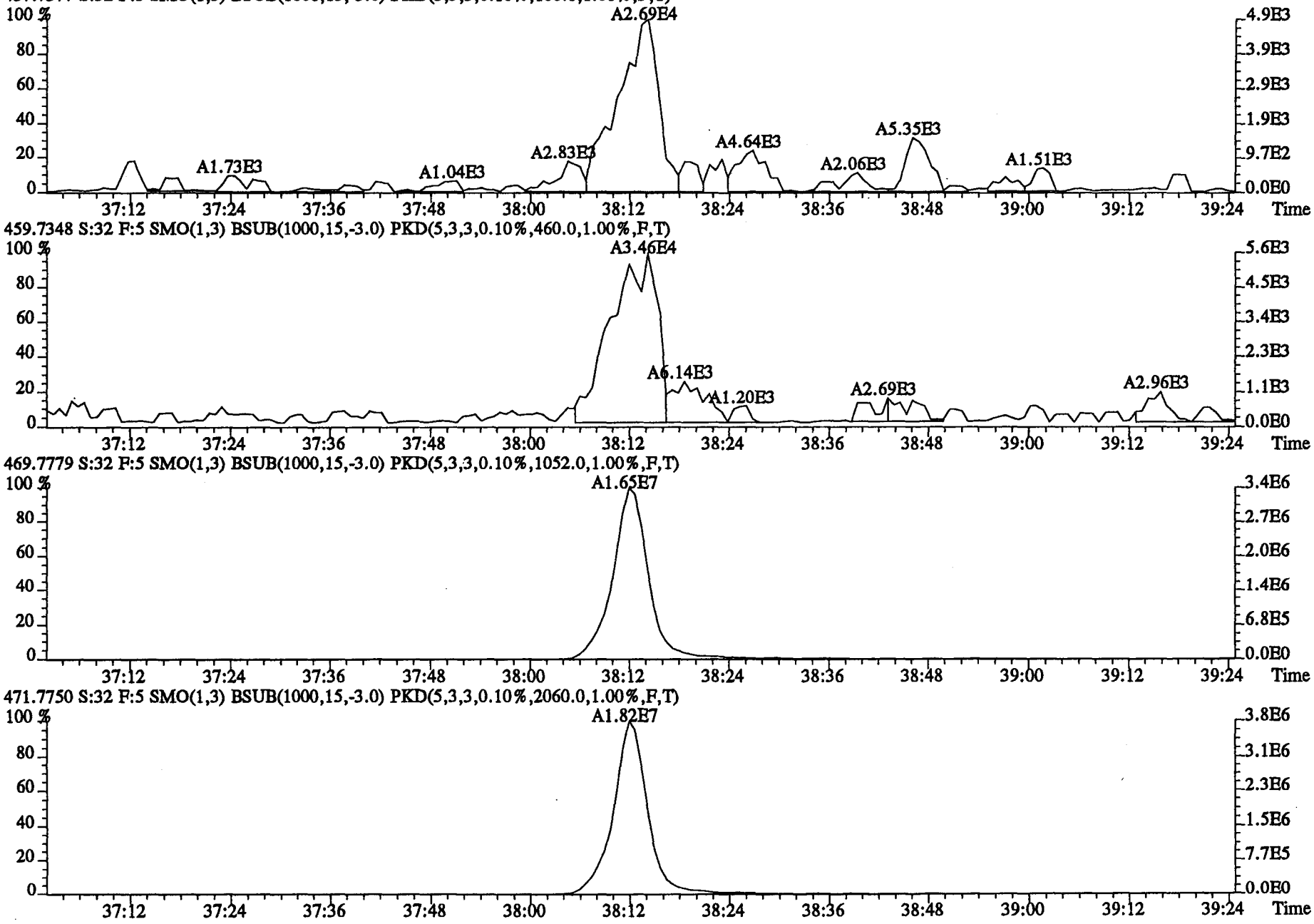
443.7399 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)



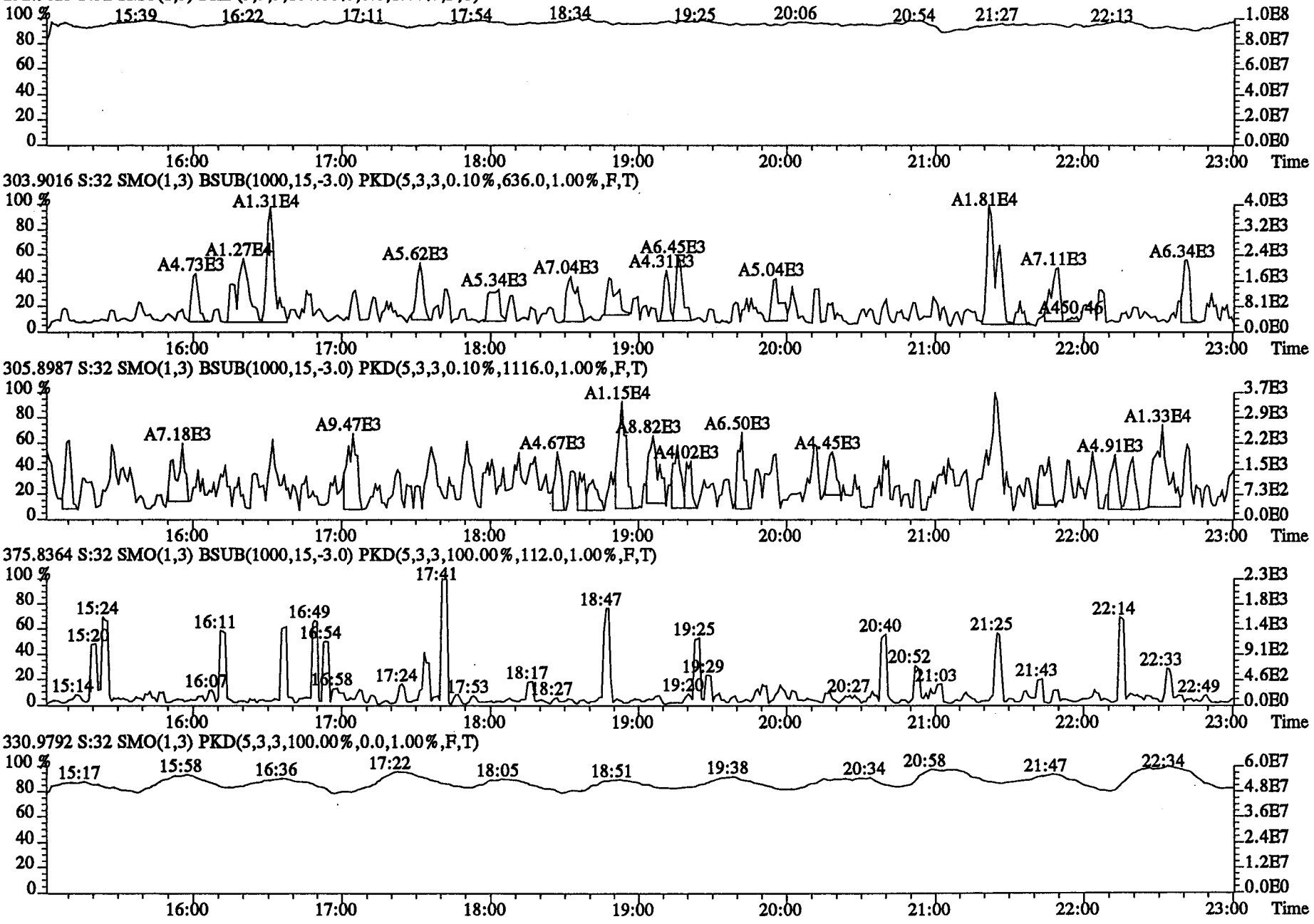
513.6775 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,88.0,1.00%,F,T)



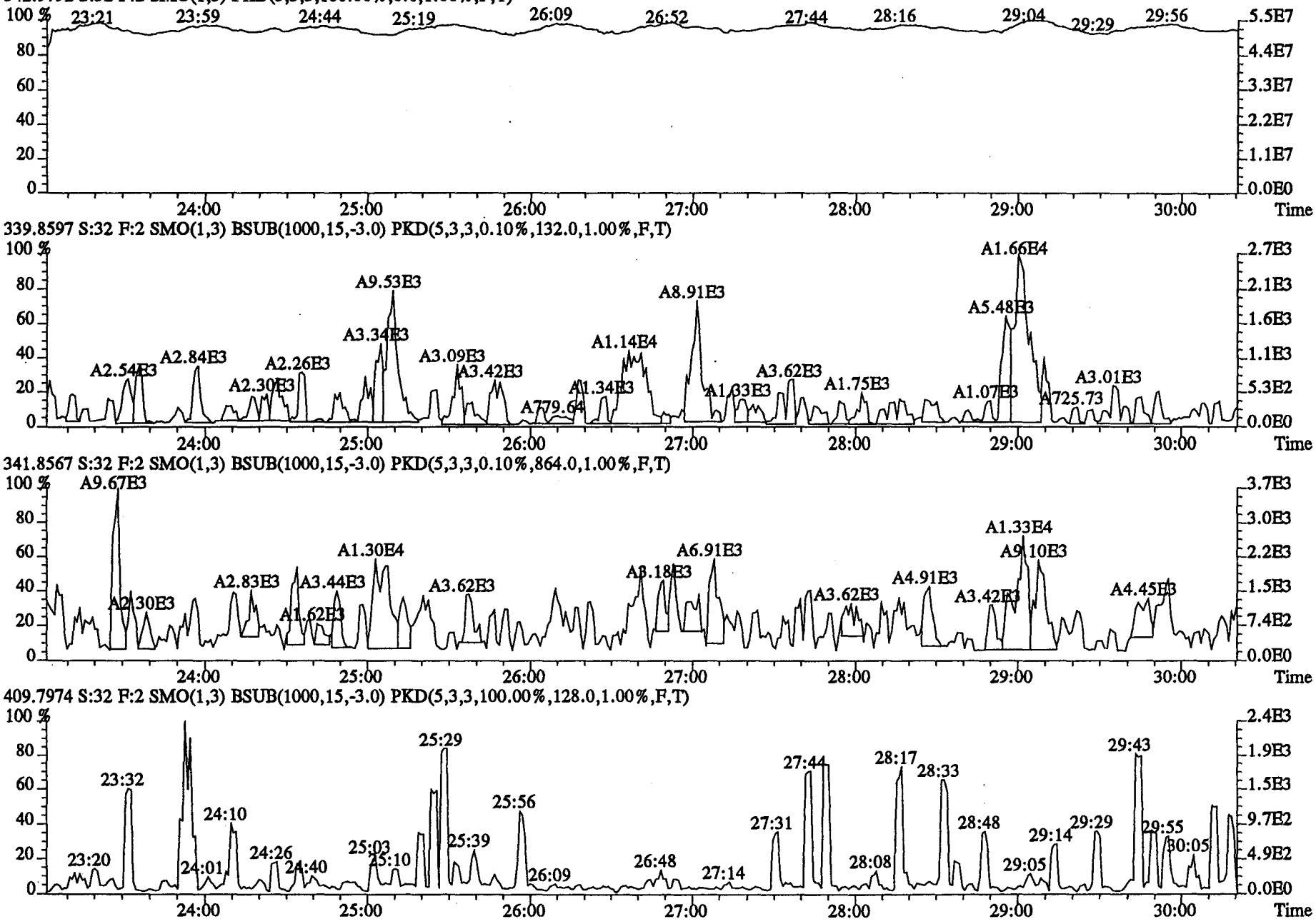
File:30AU104D5 #1-193 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



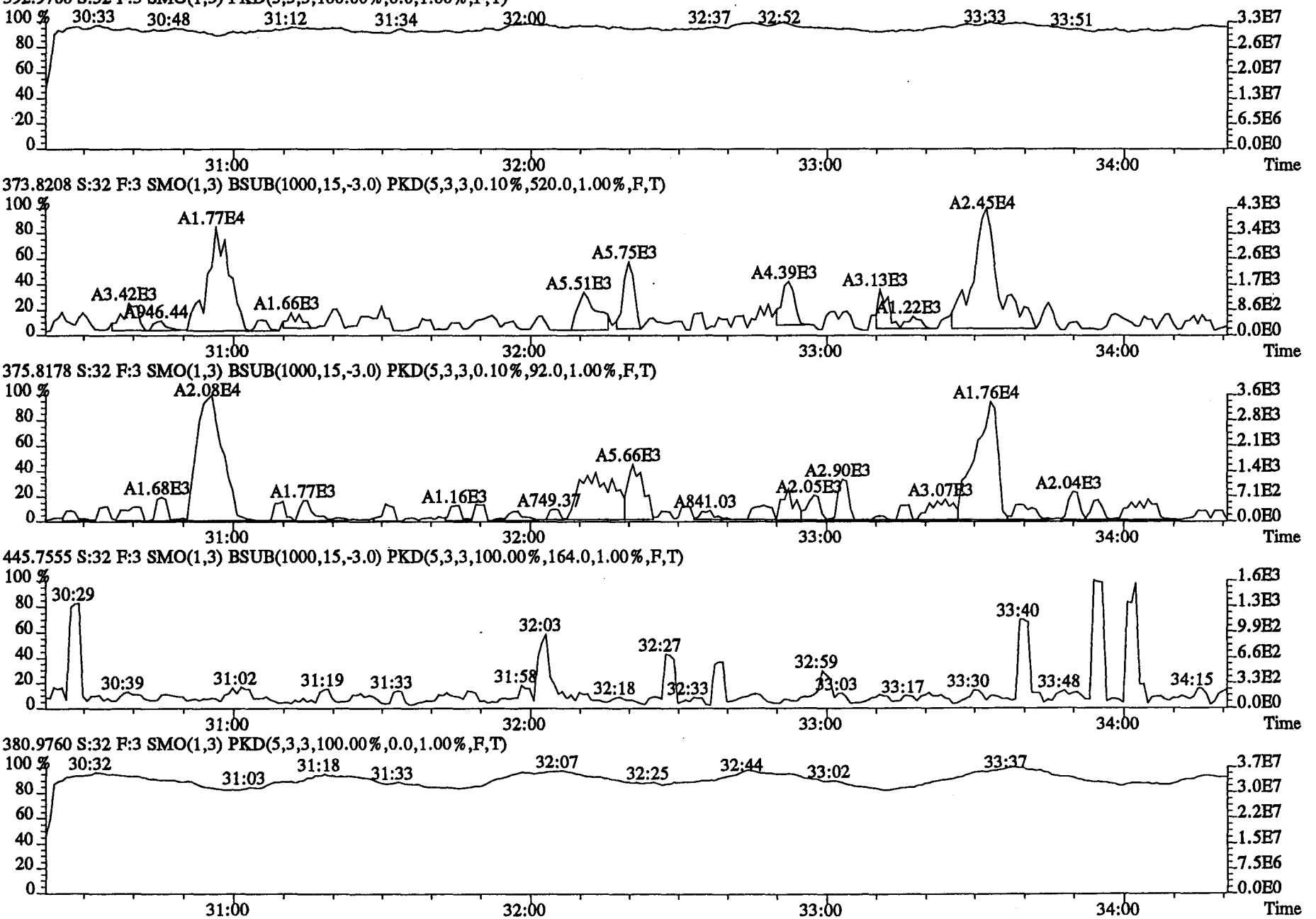
File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



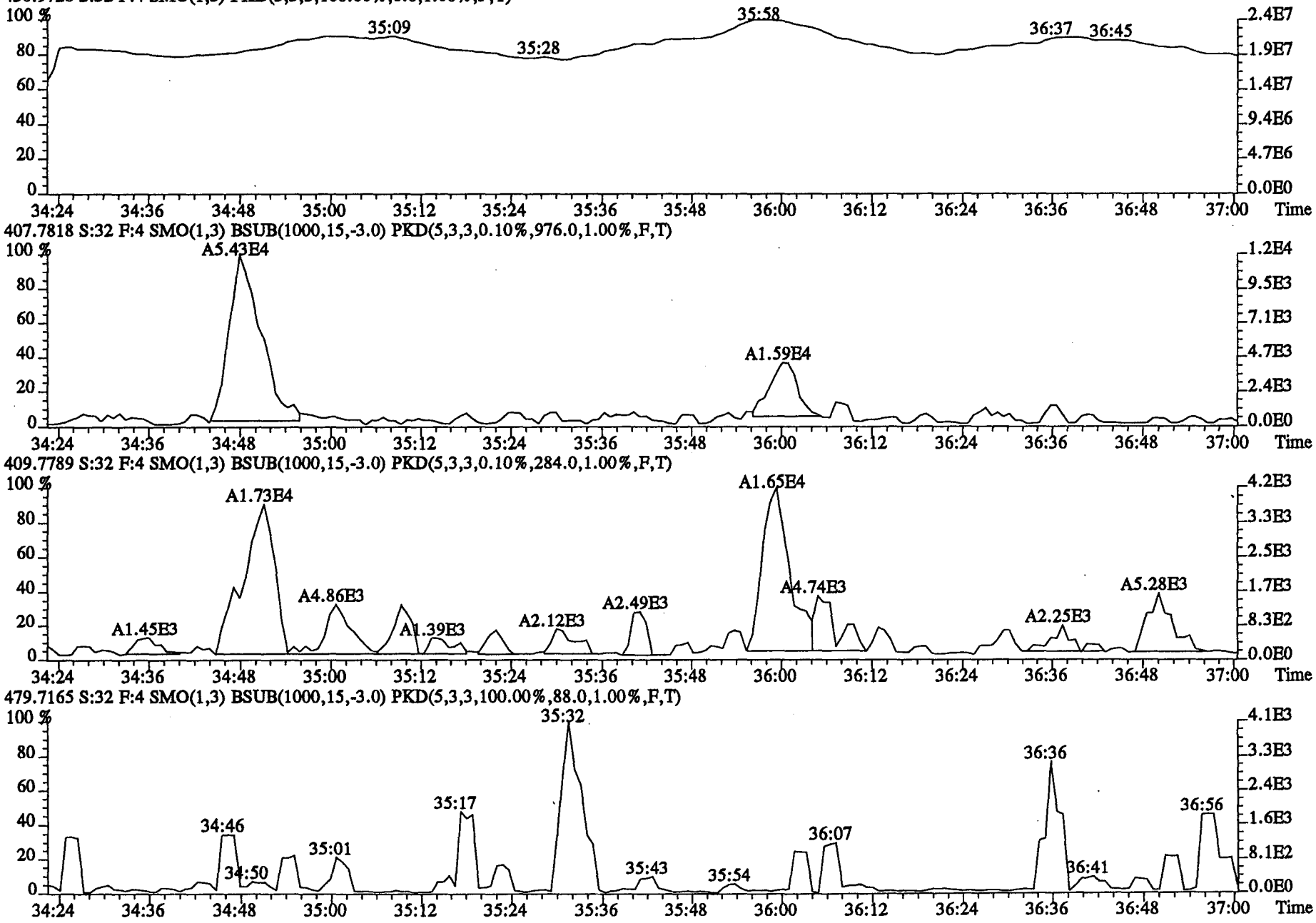
File:30AU104D5 #1-470 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



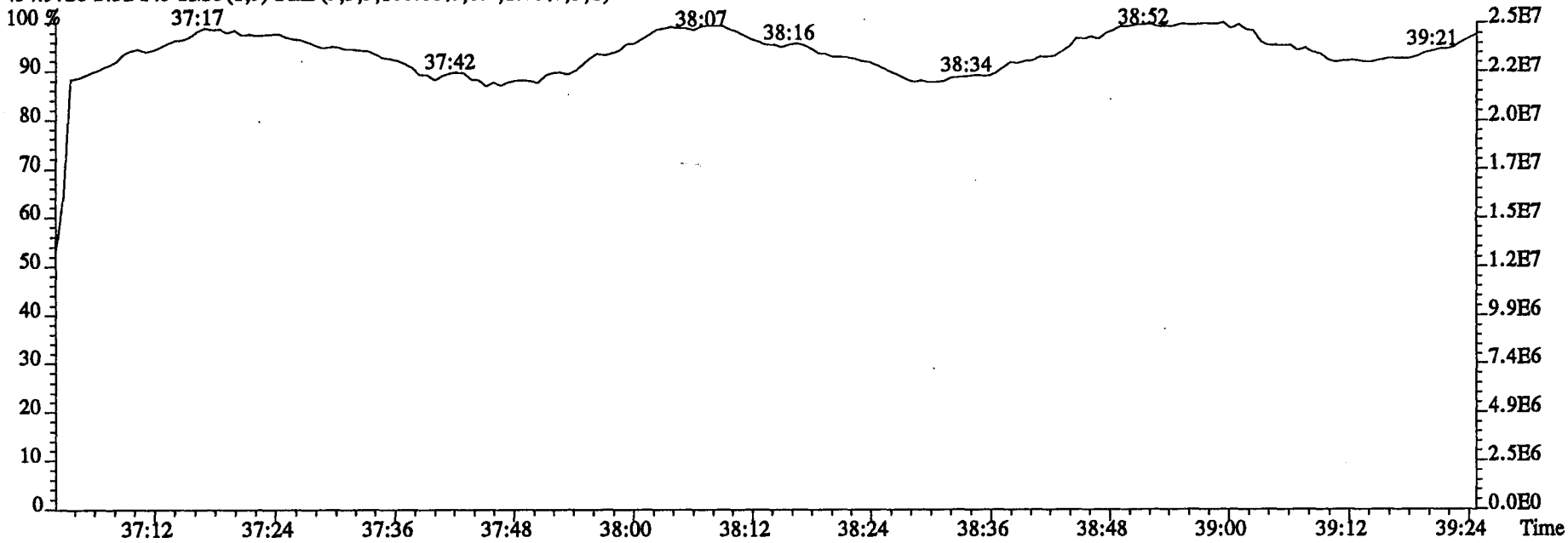
File:30AU104D5 #1-287 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



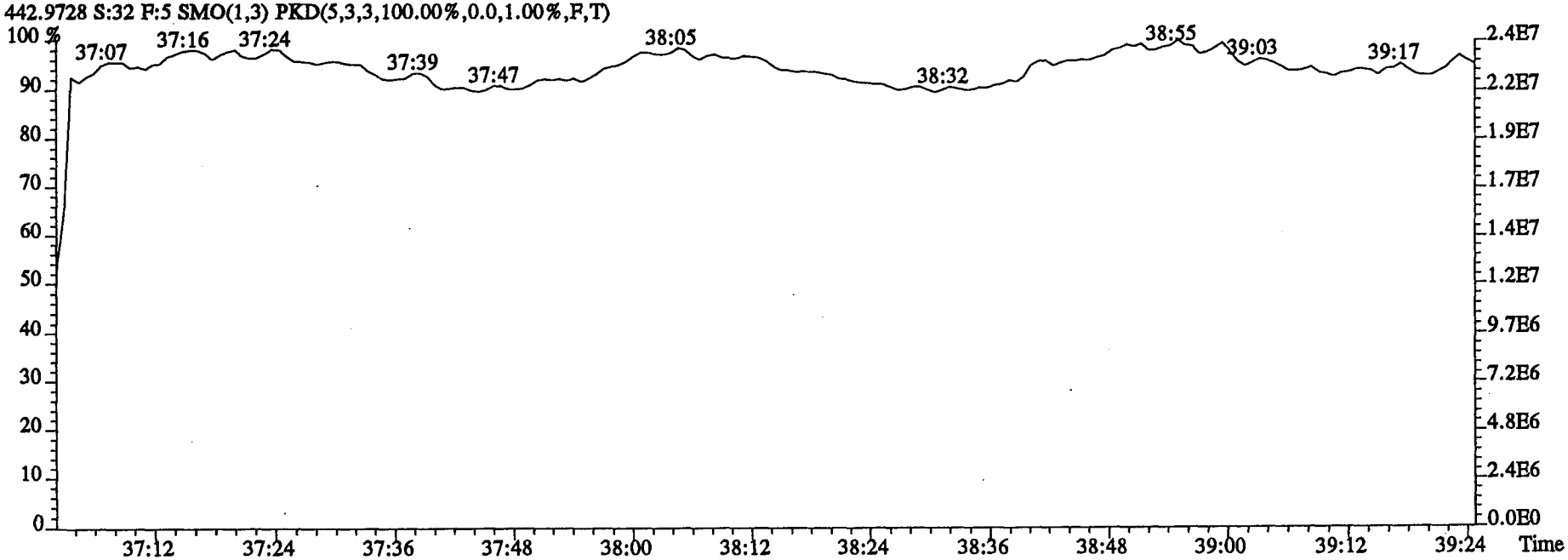
File:30AU104D5 #1-200 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



File:30AU104D5 #1-193 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES
454.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

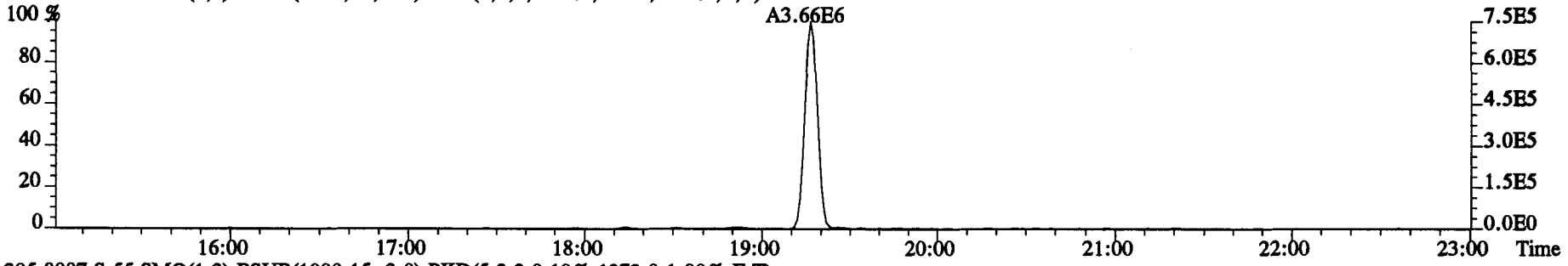


Run text: L568A-1-AC Sample text: L568A-1-AC :G0H260533-1LCS
Run #11 Filename: 30AU104D5 S: 55 I: 1 Results: 30AU104D5TO9
Acquired: 1-SEP-10 01:51:58 Processed: 1-SEP-10 10:53:20
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAM

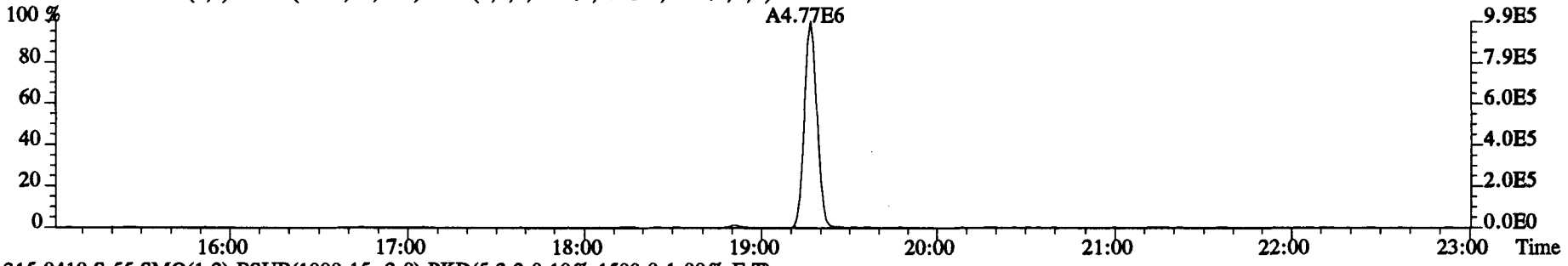
VB 9.2.6

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	74603800	0.82	y	19:51	-	44.674	-	-	n
13C-2,3,7,8-TCDF	86170072	0.78	y	19:16	1.23	3758.222	1.580	94.0	n
2,3,7,8-TCDF	8421020	0.77	y	19:17	0.99	393.059	0.971	-	n
Total TCDF	8616179	0.88	y	18:13	0.99	~~402.168~~	0.971	-	n
13C-2,3,7,8-TCDD	62060164	0.80	y	20:04	0.91	3676.518	4.547	91.9	n
2,3,7,8-TCDD	6013671	0.74	y	20:05	0.98	394.118	1.242	-	n
Total TCDD	6042900	0.38	n	18:35	0.98	~~396.034~~	1.242	-	n
37Cl-2,3,7,8-TCDD	121946	1.00	y	20:05	1.33	5.927	0.222	0.4	n
13C-1,2,3,7,8-PeCDF	64750978	1.66	y	25:05	0.88	3962.932	4.531	99.1	n
1,2,3,7,8-PeCDF	35246037	1.57	y	25:06	1.08	2022.345	2.789	-	n
2,3,4,7,8-PeCDF	32885564	1.56	y	26:38	1.05	1942.936	2.872	-	n
Total F2 PeCDF	69366001	1.63	y	23:28	1.06	~~4037.144~~	2.830	-	n
Total F1 PeCDF	18351	0.83	n	16:53	1.06	~~1.068~~	1.135	-	n
13C-1,2,3,7,8-PeCDD	43099844	1.61	y	27:27	0.66	3496.942	0.492	87.4	n
1,2,3,7,8-PeCDD	21794965	1.61	y	27:28	0.93	2185.659	6.395	-	n
Total PeCDD	21794965	1.61	y	27:28	0.93	~~2185.659~~	6.395	-	n
13C-1,2,3,7,8,9-HxCDD	43676842	1.26	y	33:17	-	36.889	-	-	n
13C-1,2,3,4,7,8-HxCDF	45552355	0.49	y	32:11	1.04	3992.933	6.710	99.8	n
1,2,3,4,7,8-HxCDF	27870944	1.13	y	32:11	1.22	2010.600	2.893	-	n
1,2,3,6,7,8-HxCDF	28056254	1.19	y	32:18	1.28	1922.276	2.747	-	n
2,3,4,6,7,8-HxCDF	26489467	1.15	y	32:50	1.23	1885.873	2.855	-	n
1,2,3,7,8,9-HxCDF	23099080	1.17	y	33:28	1.10	1847.039	3.206	-	n
Total HxCDF	105591121	0.65	n	31:08	1.21	~~7671.269~~	2.916	-	n
13C-1,2,3,6,7,8-HxCDD	33388855	1.30	y	33:01	0.83	3680.599	2.405	92.0	n
1,2,3,4,7,8-HxCDD	18437731	1.26	y	32:58	1.04	2129.654	3.378	-	n
1,2,3,6,7,8-HxCDD	20803956	1.30	y	33:02	1.16	2143.395	3.013	-	n
1,2,3,7,8,9-HxCDD	20577740	1.28	y	33:18	1.18	2086.133	2.965	-	n
Total HxCDD	59819427	1.26	y	32:58	1.13	~~6359.182~~	3.108	-	n
13C-1,2,3,4,6,7,8-HpCDF	36263805	0.45	y	34:49	0.91	3649.472	12.491	91.2	n
1,2,3,4,6,7,8-HpCDF	25313473	1.09	y	34:49	1.35	2074.751	8.168	-	n
1,2,3,4,7,8,9-HpCDF	20670388	1.08	y	35:58	1.09	2085.165	10.053	-	n
Total HpCDF	45983861	1.09	y	34:49	1.22	~~4159.916~~	9.013	-	n
13C-1,2,3,4,6,7,8-HpCDD	32850743	1.09	y	35:39	0.83	3639.615	9.301	91.0	n
1,2,3,4,6,7,8-HpCDD	17069809	1.06	y	35:39	1.07	1939.419	4.816	-	n
Total HpCDD	17165684	0.92	y	35:04	1.07	~~1950.312~~	4.816	-	n
13C-OCDD	42882444	0.90	y	38:12	0.62	6335.310	13.201	79.2	n
OCDF	29568787	0.91	y	38:19	1.37	4025.587	6.963	-	n
OCDD	25122096	0.90	y	38:12	1.20	3907.798	6.292	-	n

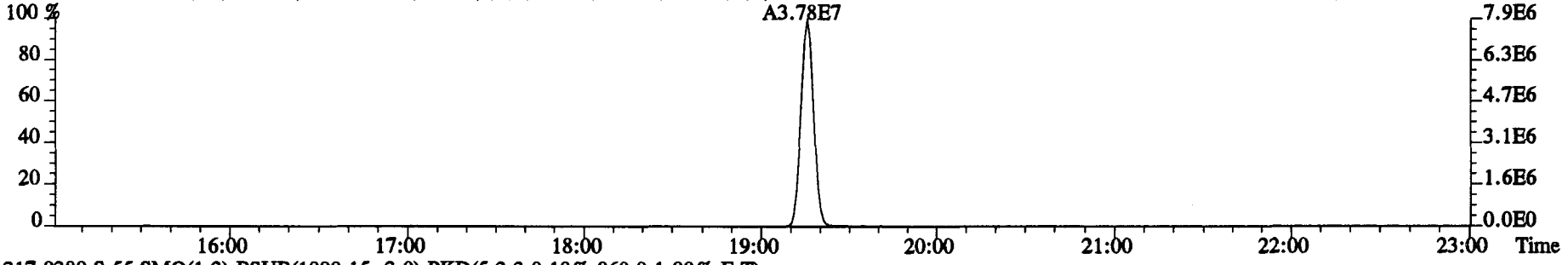
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
303.9016 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,164.0,1.00%,F,T)



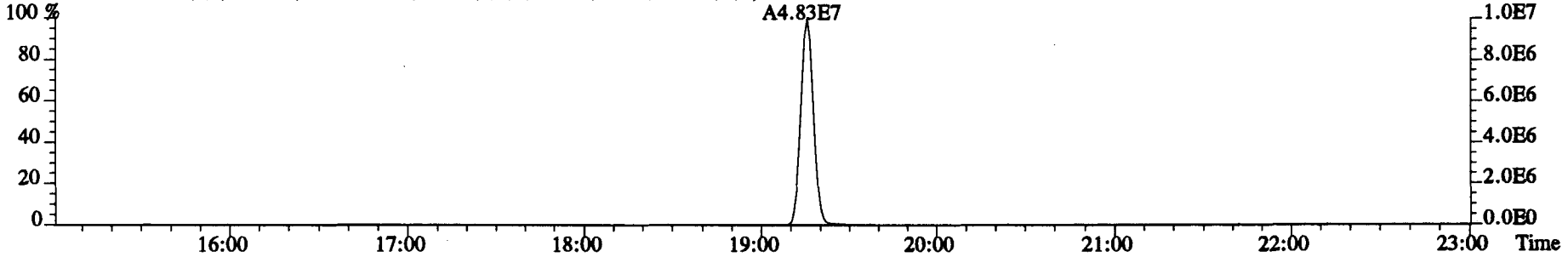
305.8987 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)



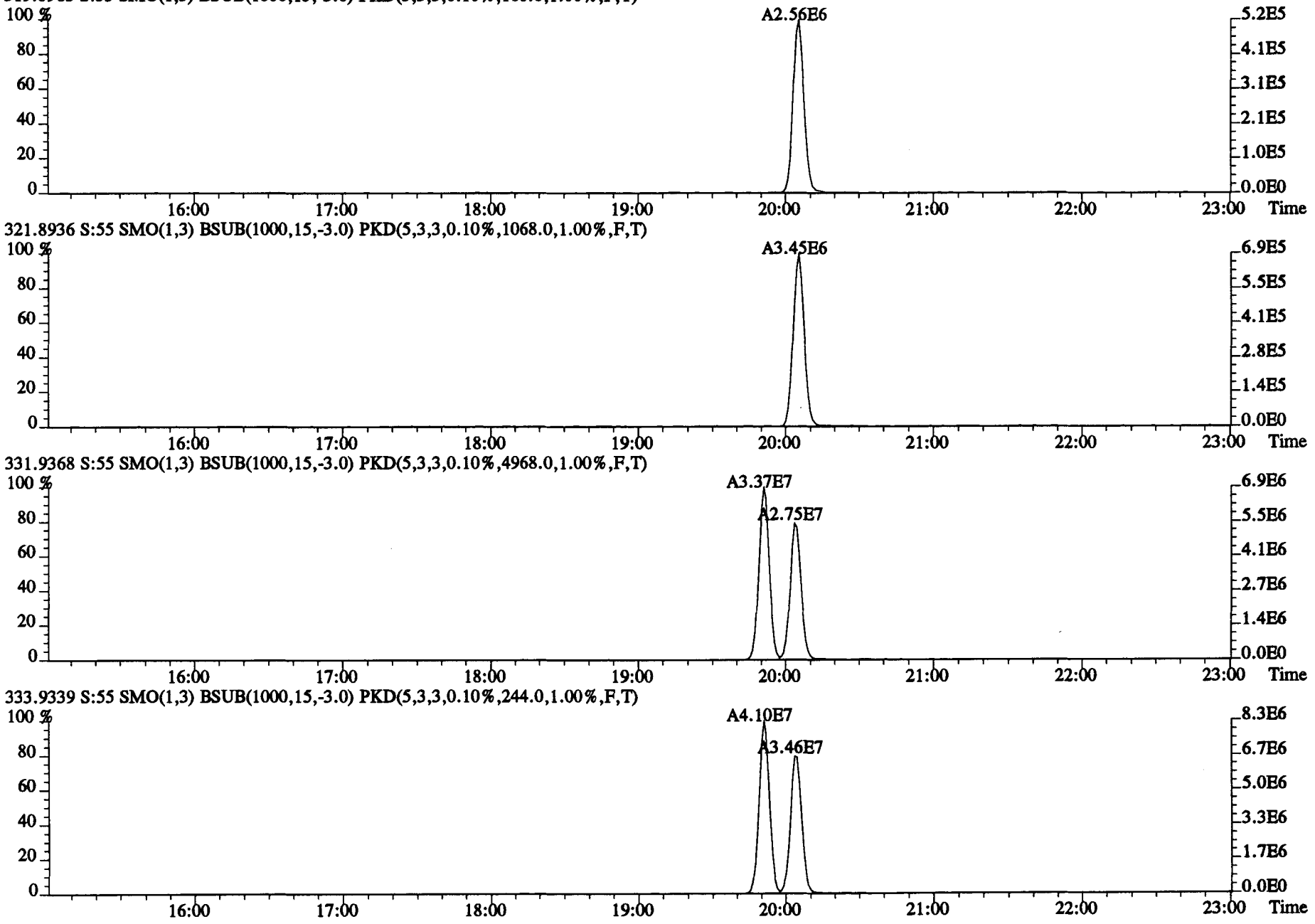
315.9419 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T)



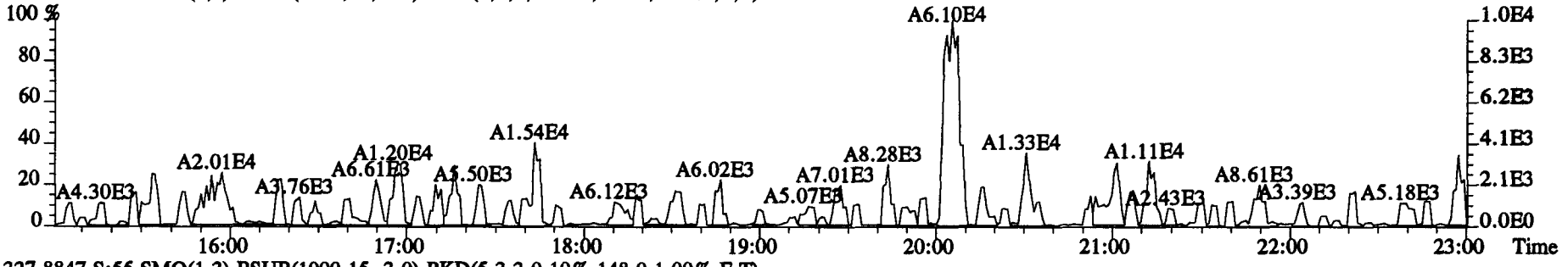
317.9389 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,960.0,1.00%,F,T)



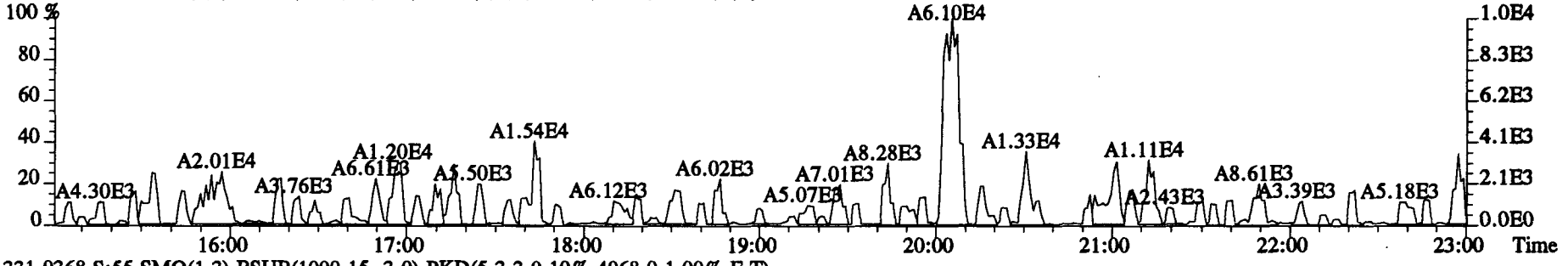
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES



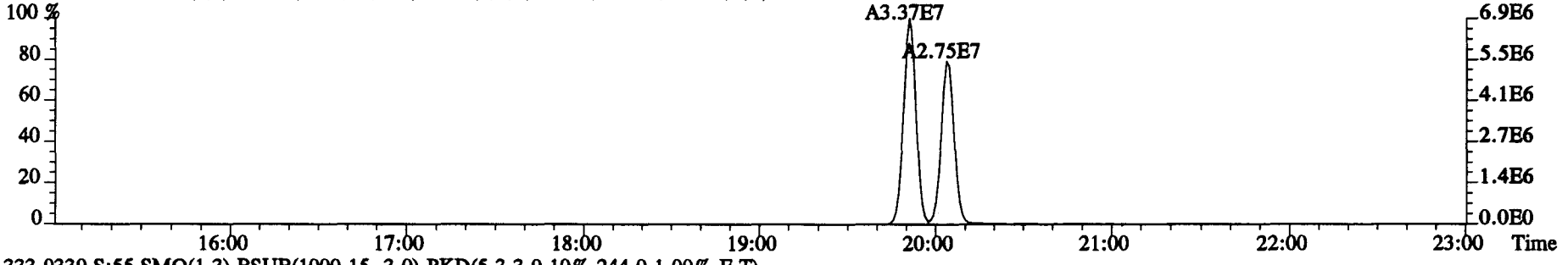
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
327.8847 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)



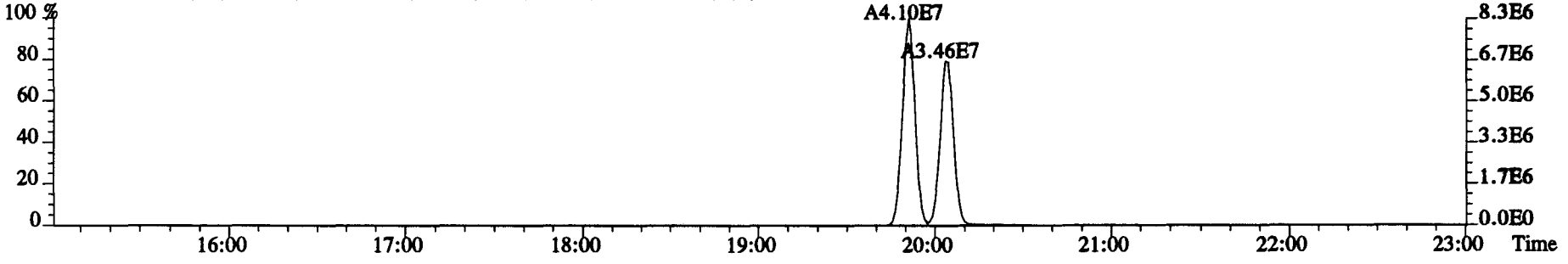
327.8847 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)



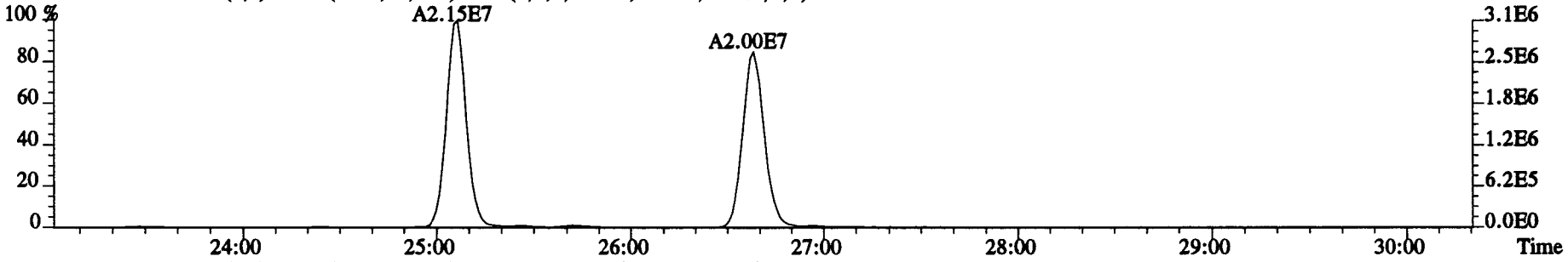
331.9368 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4968.0,1.00%,F,T)



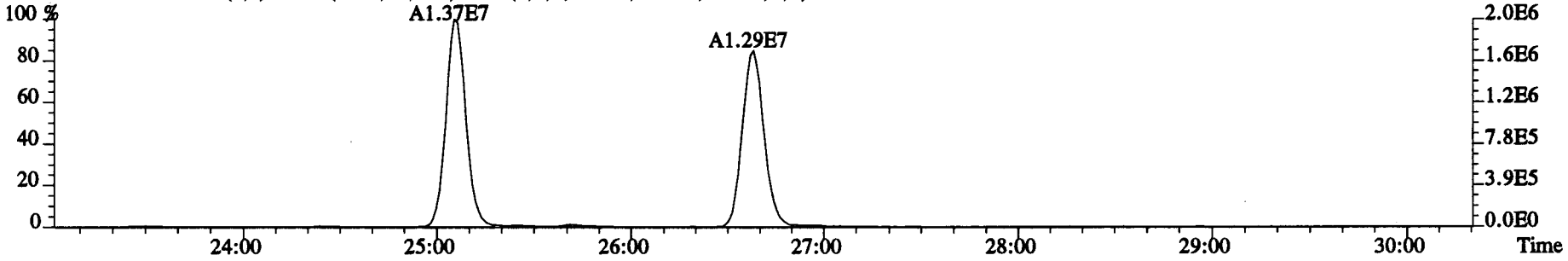
333.9339 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,244.0,1.00%,F,T)



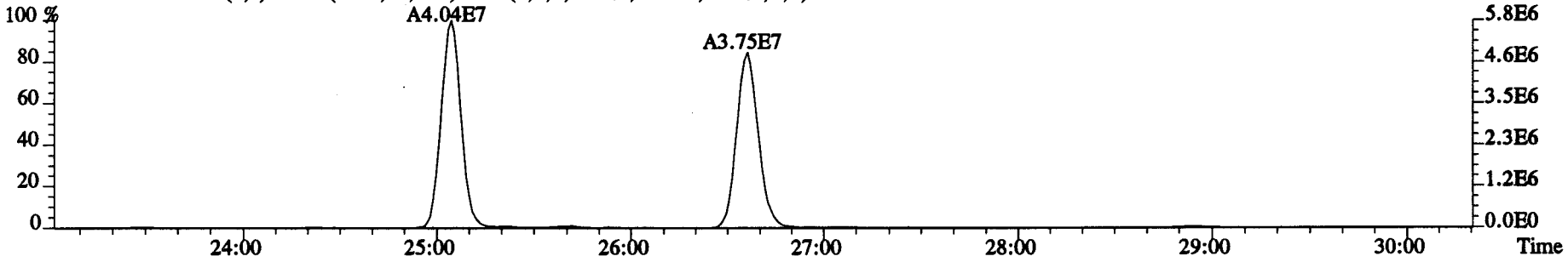
File:30AU104D5 #1-470 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
339.8597 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1120.0,1.00%,F,T)



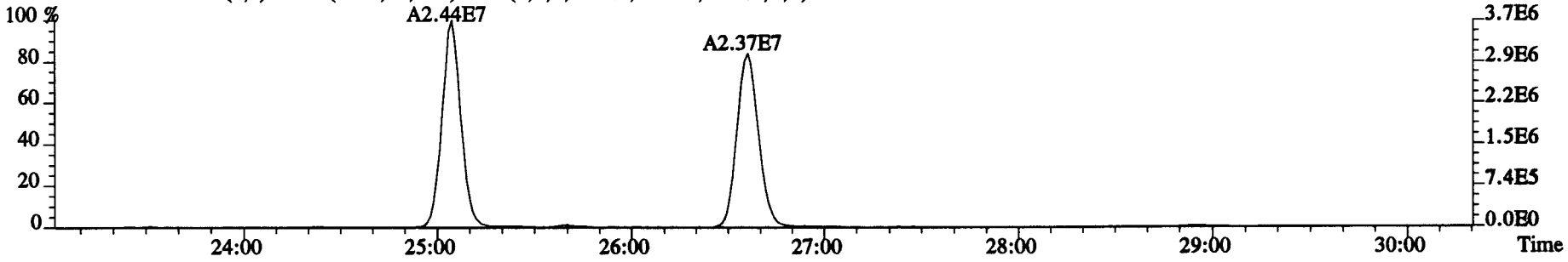
341.8567 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1264.0,1.00%,F,T)



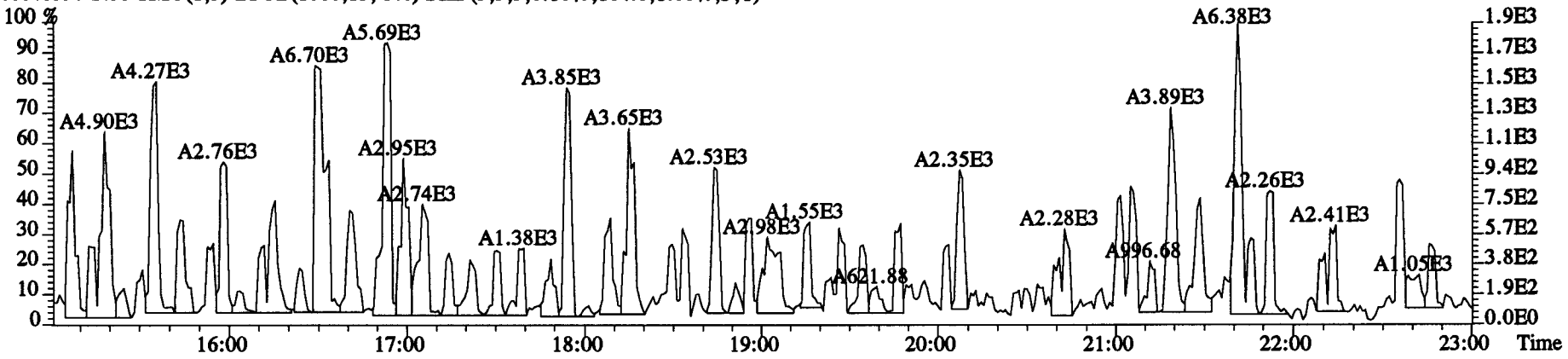
351.9000 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3008.0,1.00%,F,T)



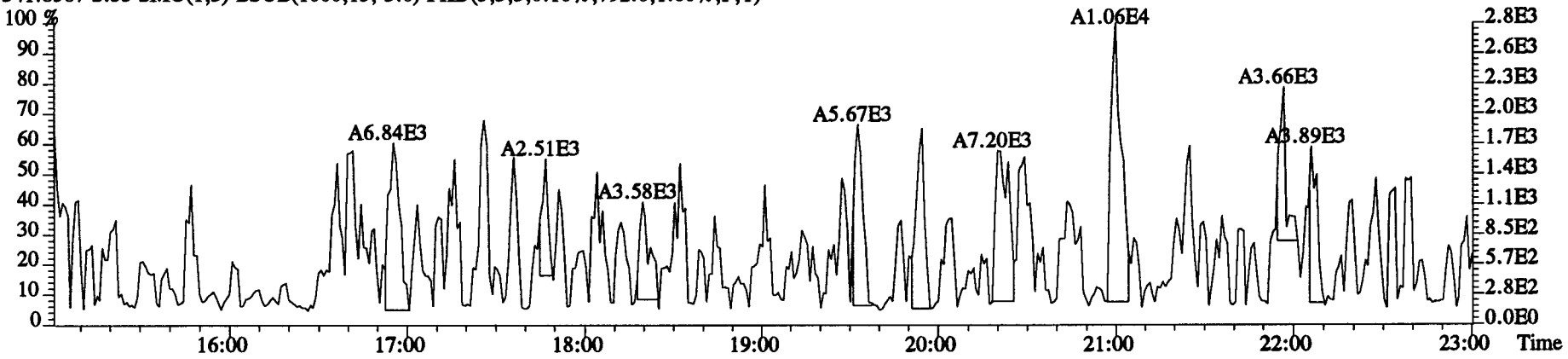
353.8970 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2020.0,1.00%,F,T)



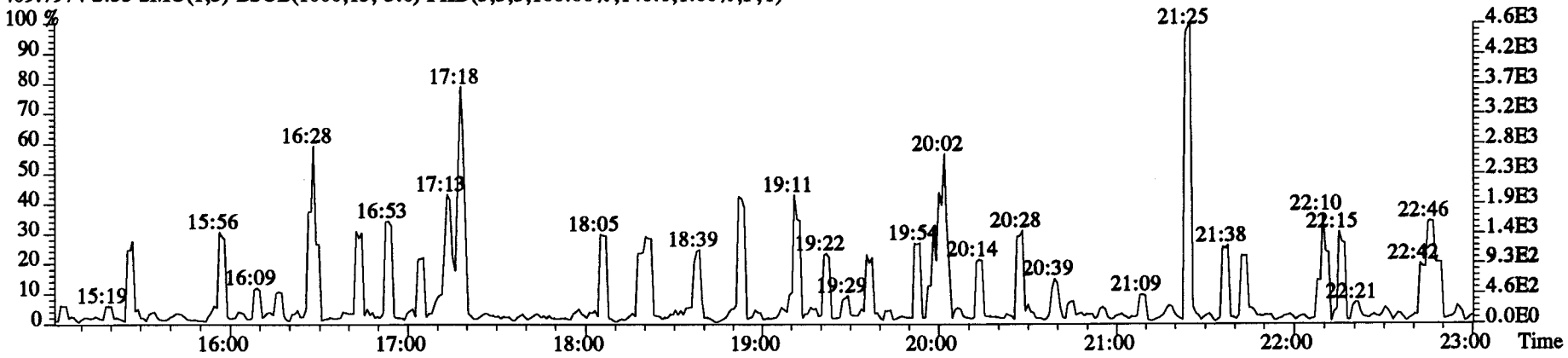
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
339.8597 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,164.0,1.00%,F,T)



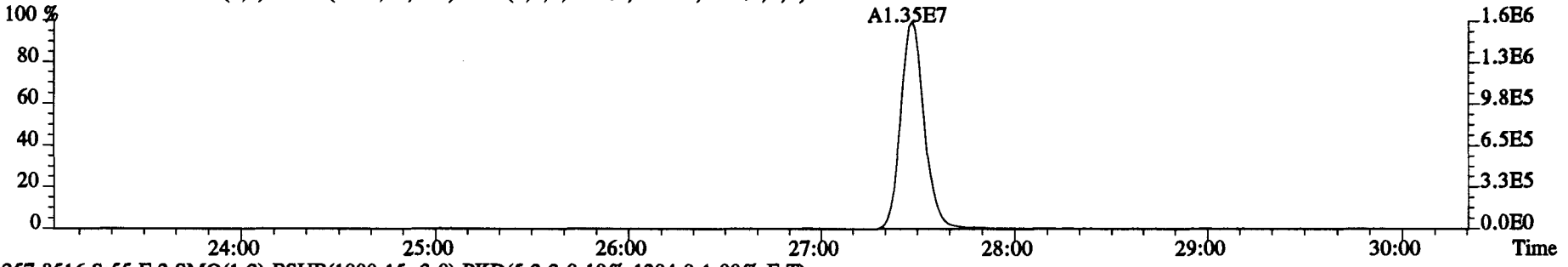
341.8567 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,792.0,1.00%,F,T)



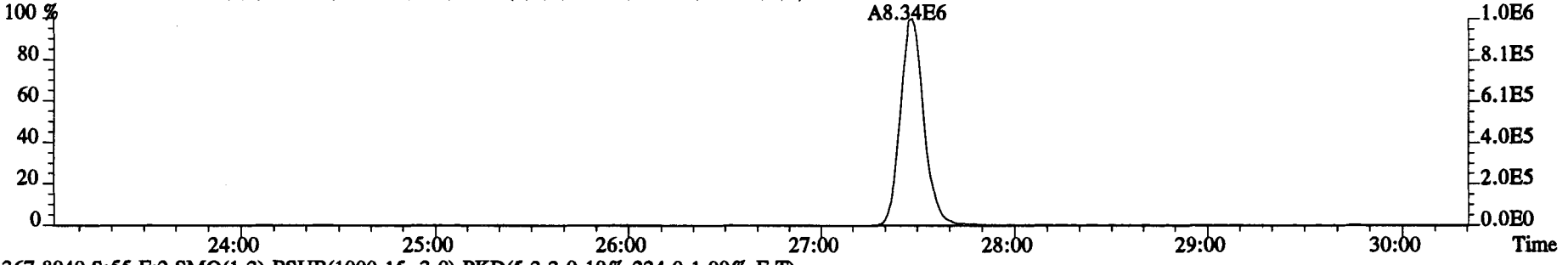
409.7974 S:55 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,140.0,1.00%,F,T)



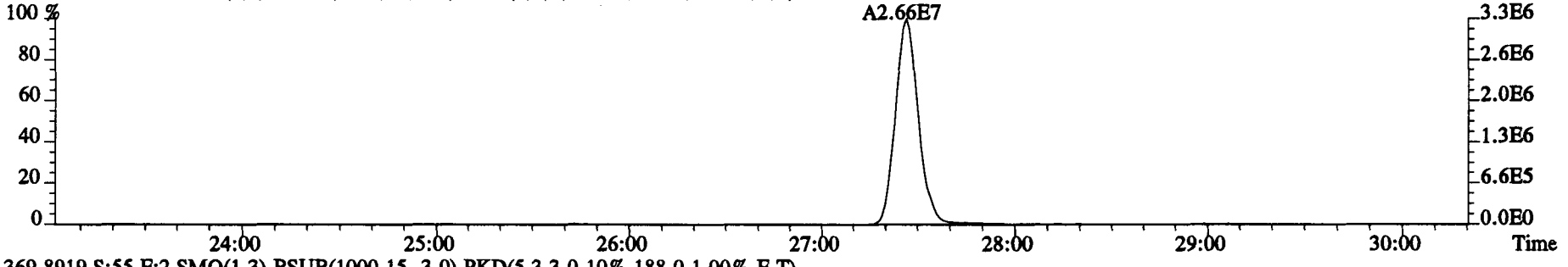
File:30AU104D5 #1-470 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
355.8546 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1412.0,1.00%,F,T)



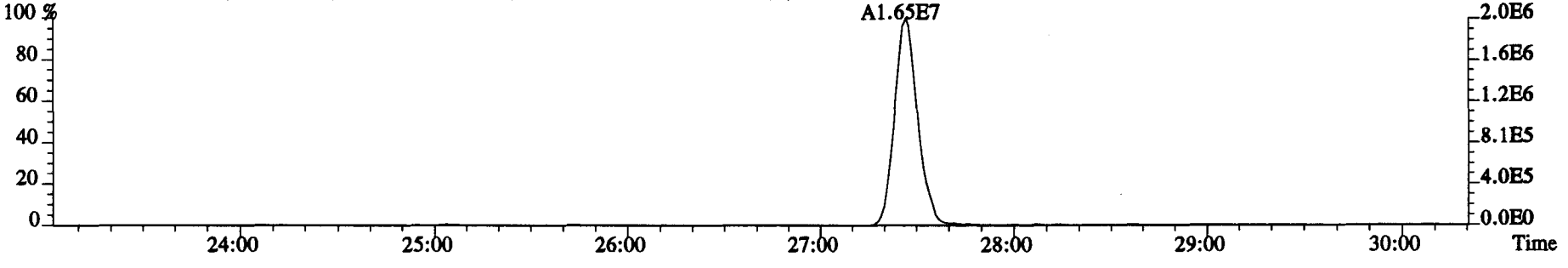
357.8516 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1204.0,1.00%,F,T)



367.8949 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,224.0,1.00%,F,T)

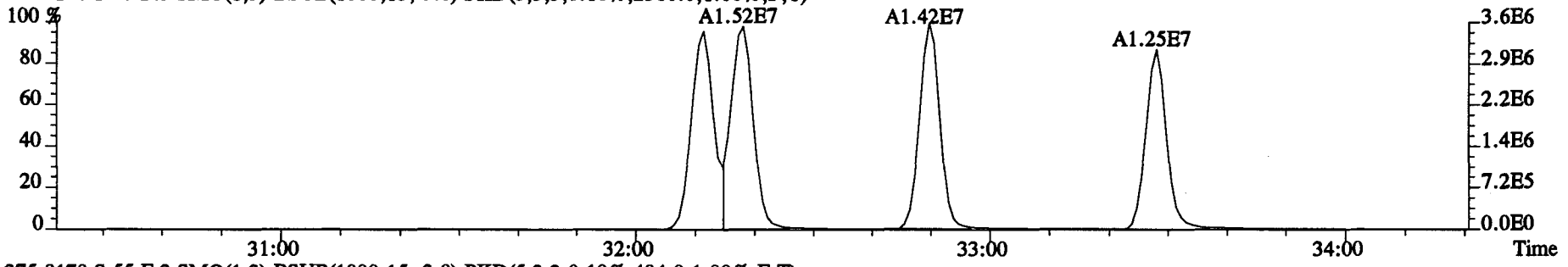


369.8919 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,188.0,1.00%,F,T)

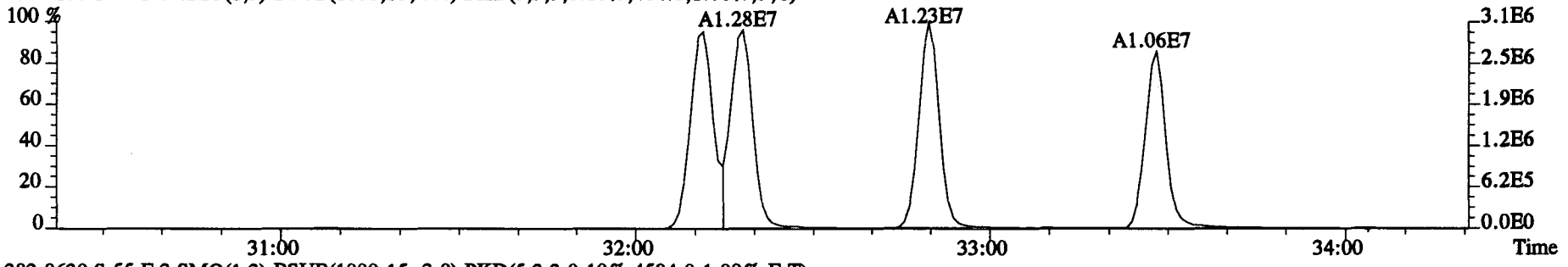


File:30AU104D5 #1-287 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES

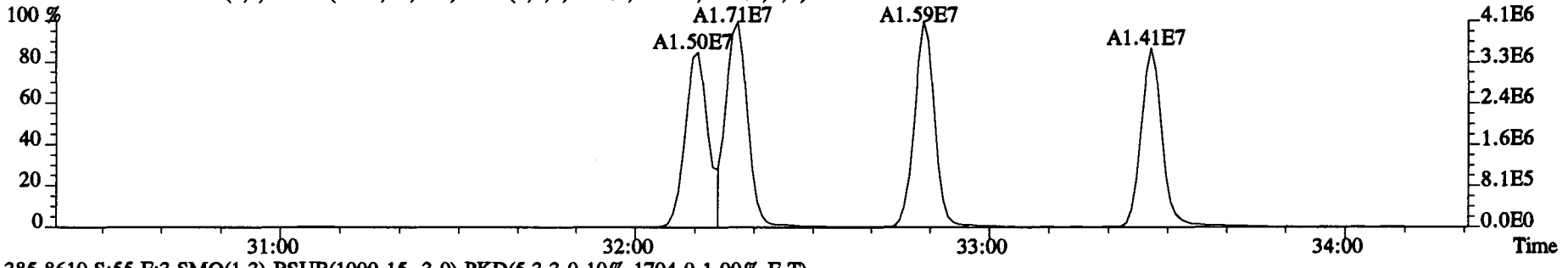
373.8208 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2560.0,1.00%,F,T)



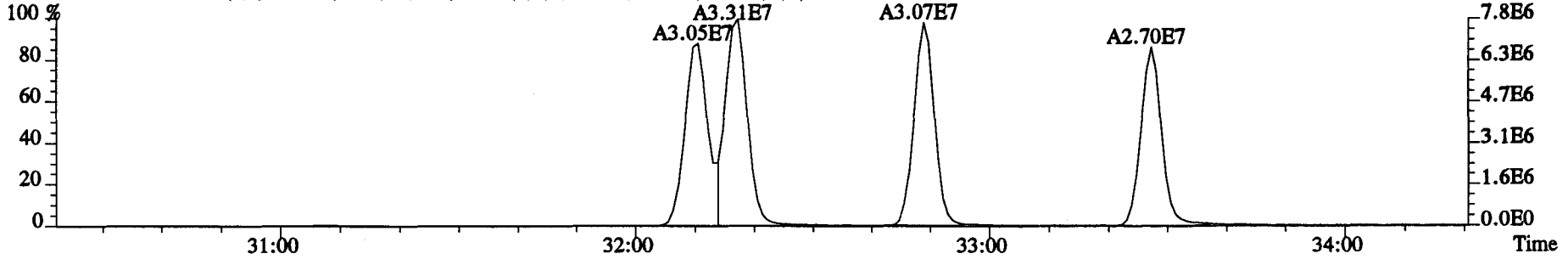
375.8178 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,484.0,1.00%,F,T)



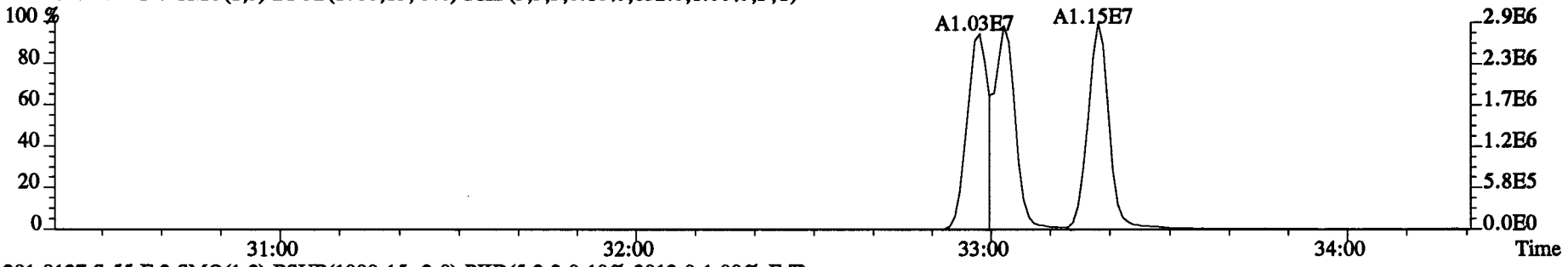
383.8639 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4584.0,1.00%,F,T)



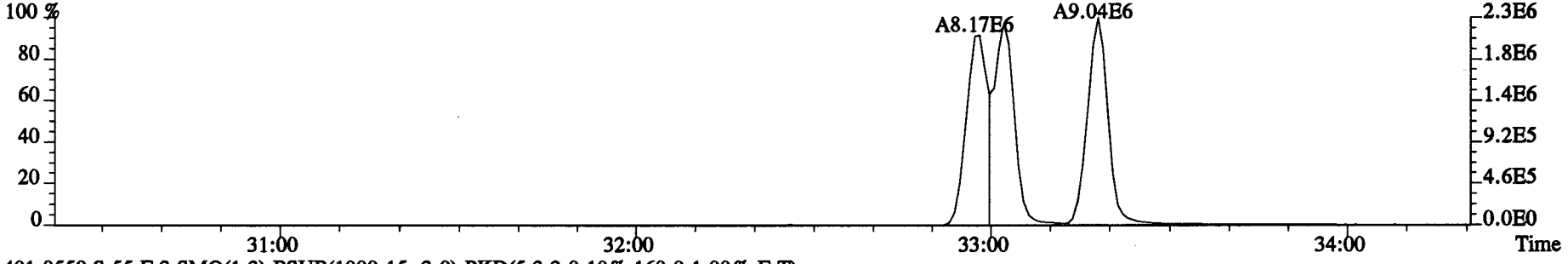
385.8610 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1704.0,1.00%,F,T)



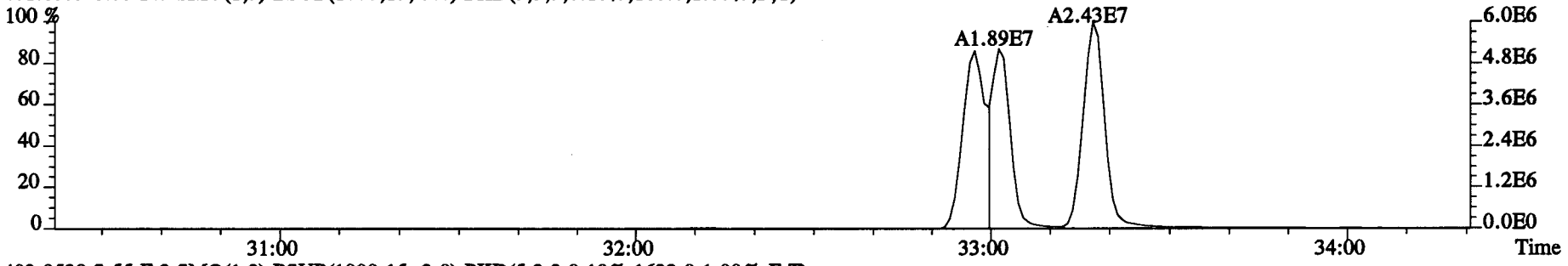
File:30AU104D5 #1-287 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
389.8157 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,652.0,1.00%,F,T)



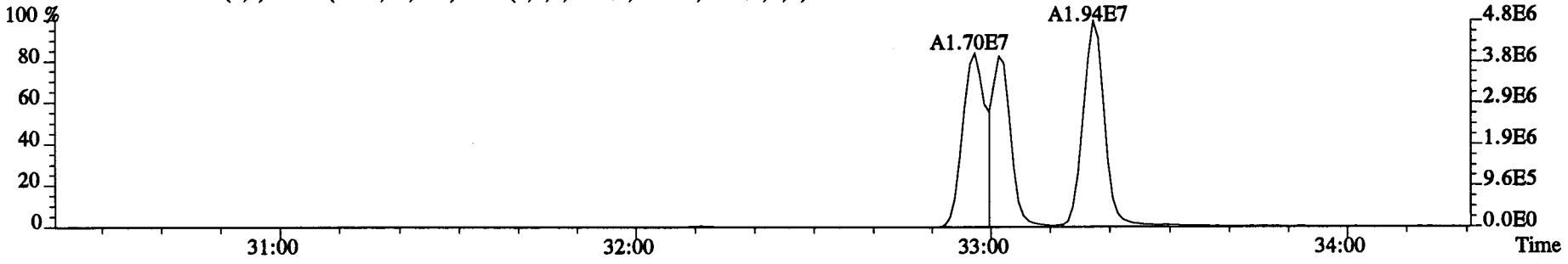
391.8127 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2012.0,1.00%,F,T)



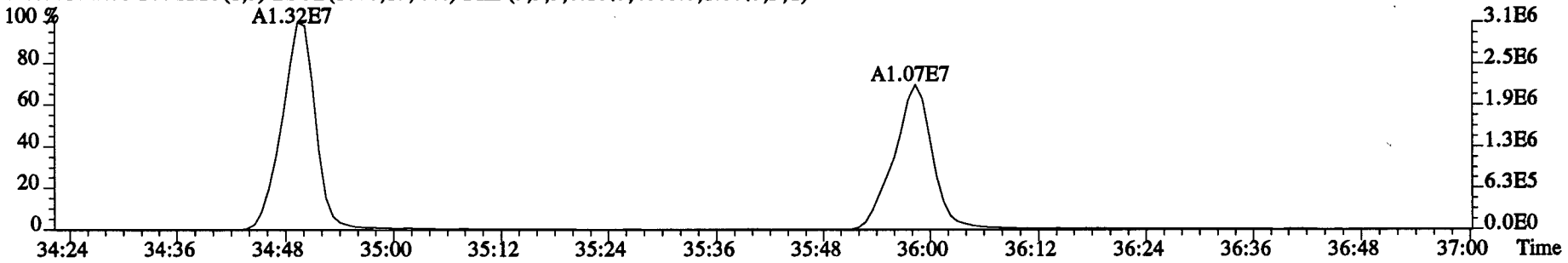
401.8559 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160.0,1.00%,F,T)



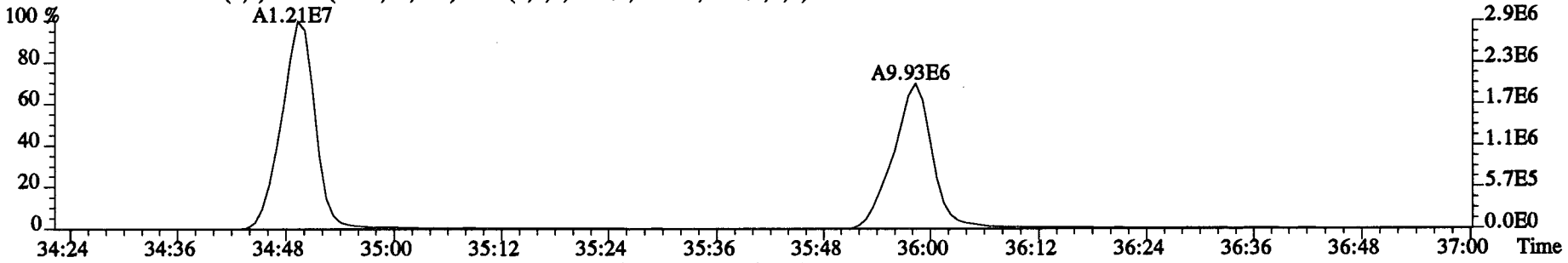
403.8529 S:55 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1632.0,1.00%,F,T)



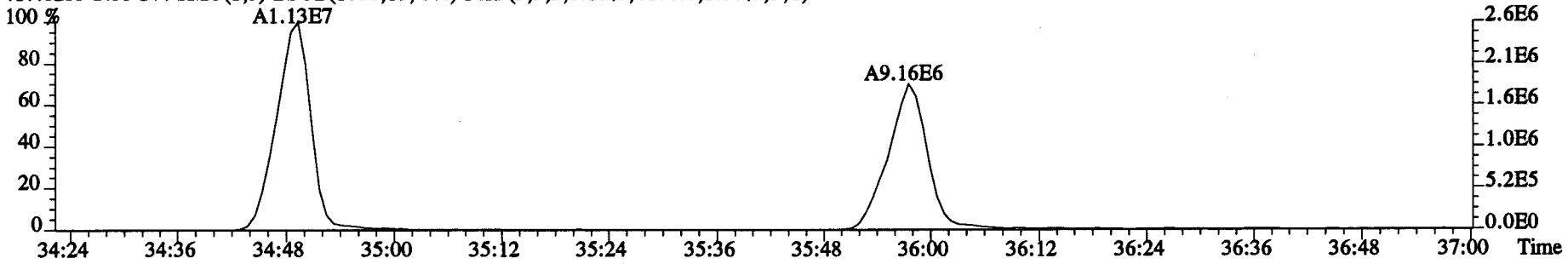
File:30AU104D5 #1-200 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
407.7818 S:55 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4068.0,1.00%,F,T)



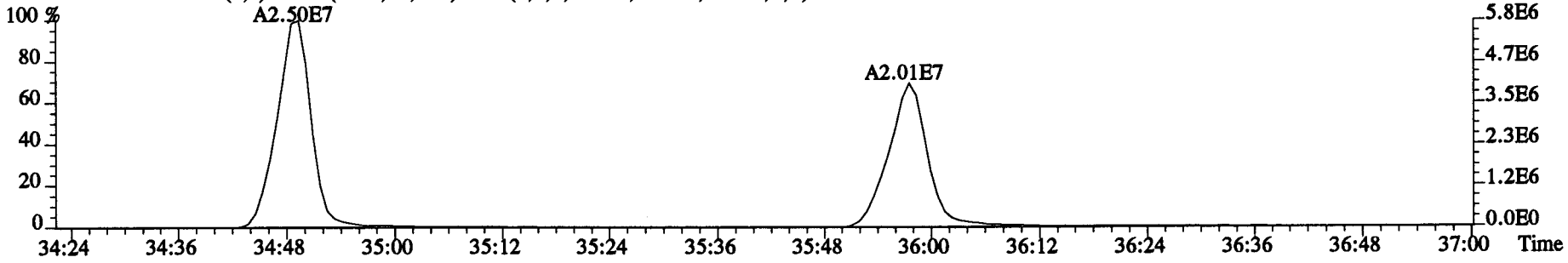
409.7789 S:55 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)



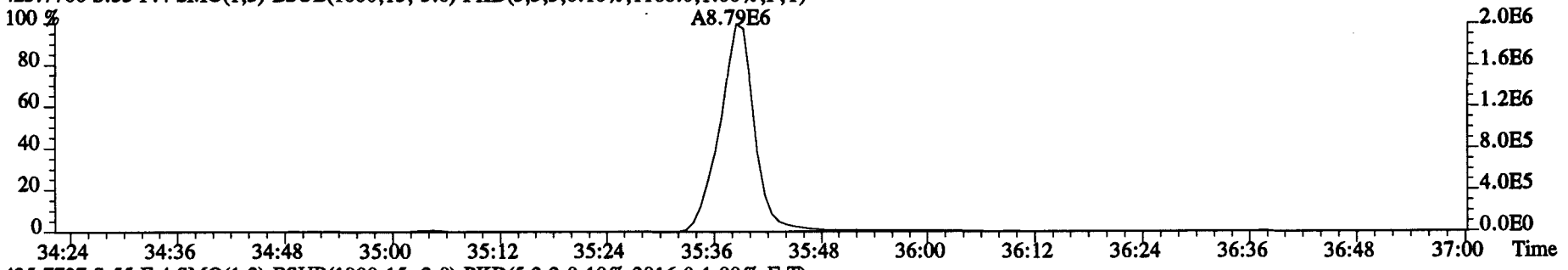
417.8253 S:55 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)

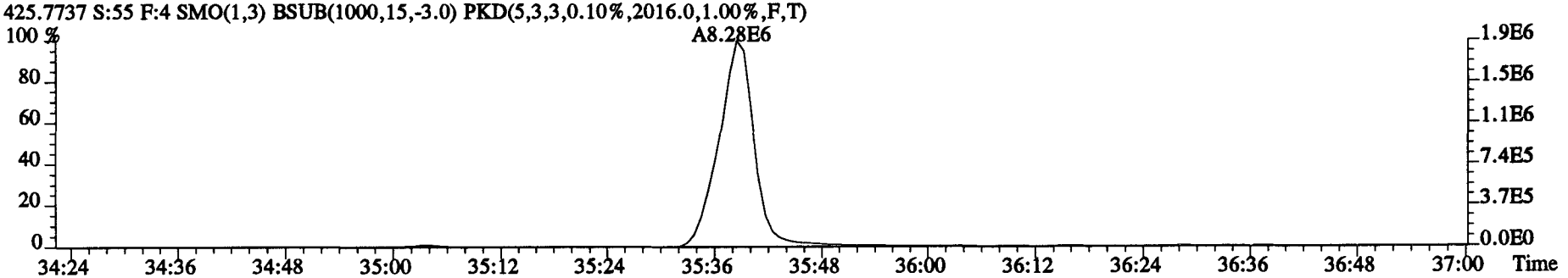


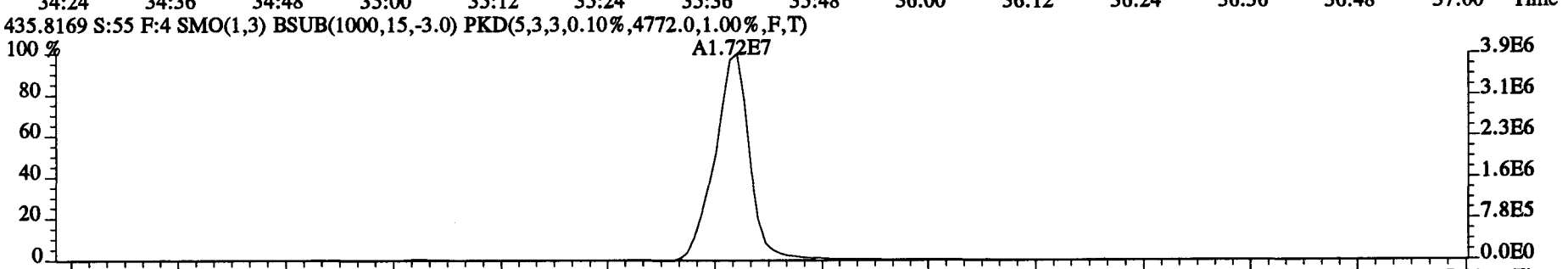
419.8220 S:55 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6020.0,1.00%,F,T)

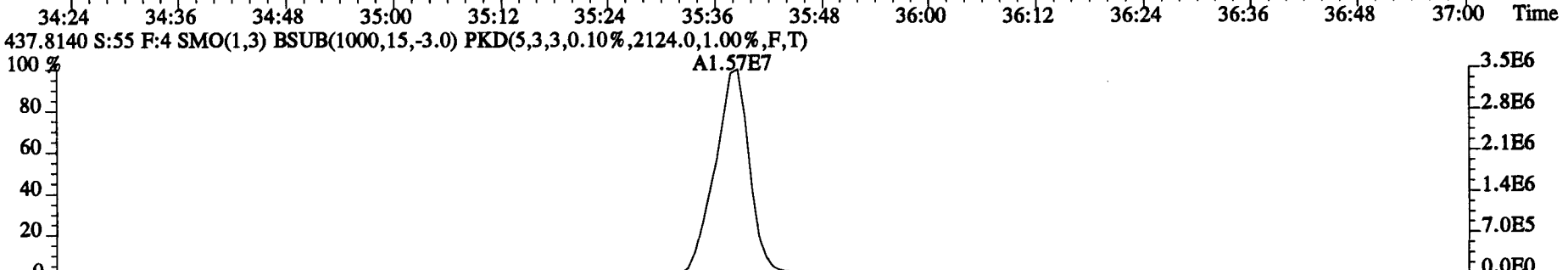


File:30AU104D5 #1-200 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES

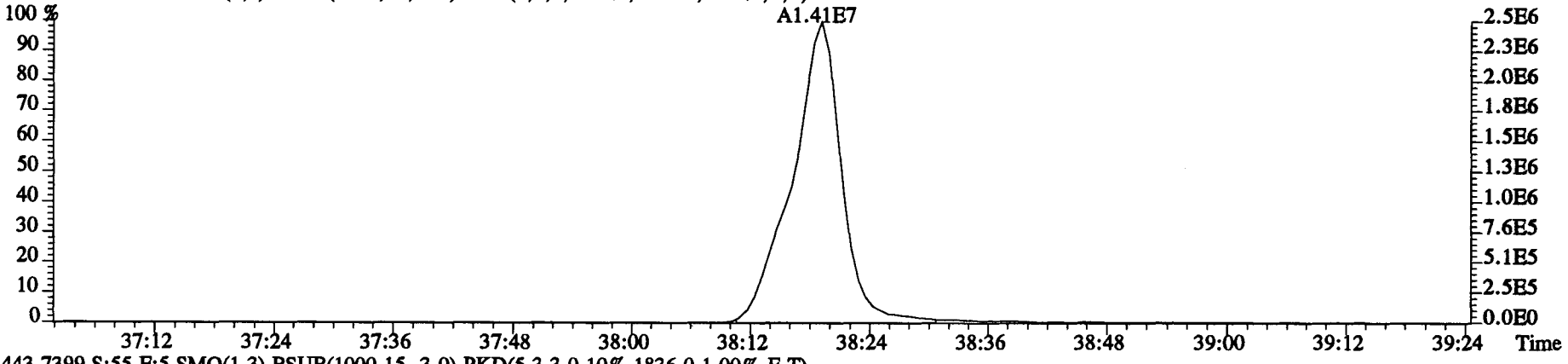




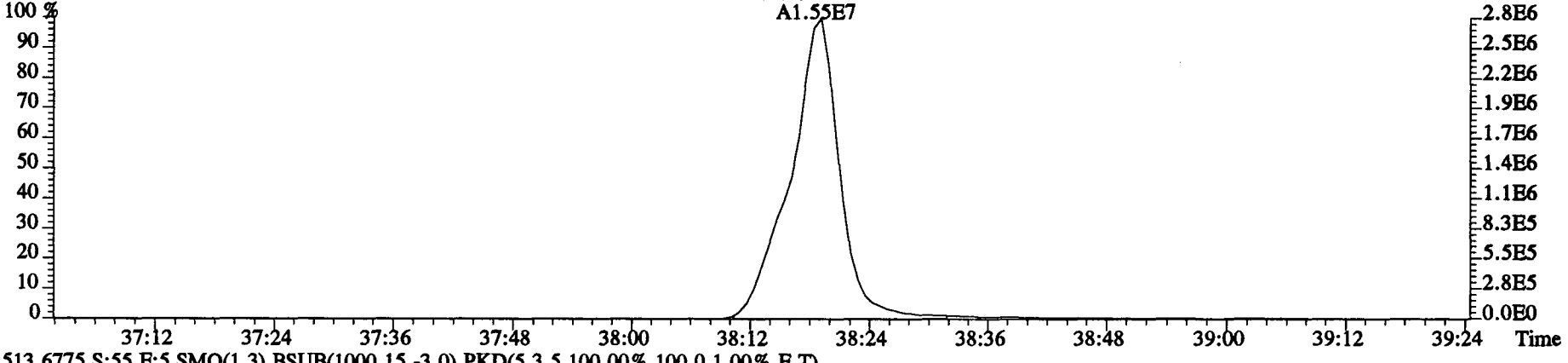




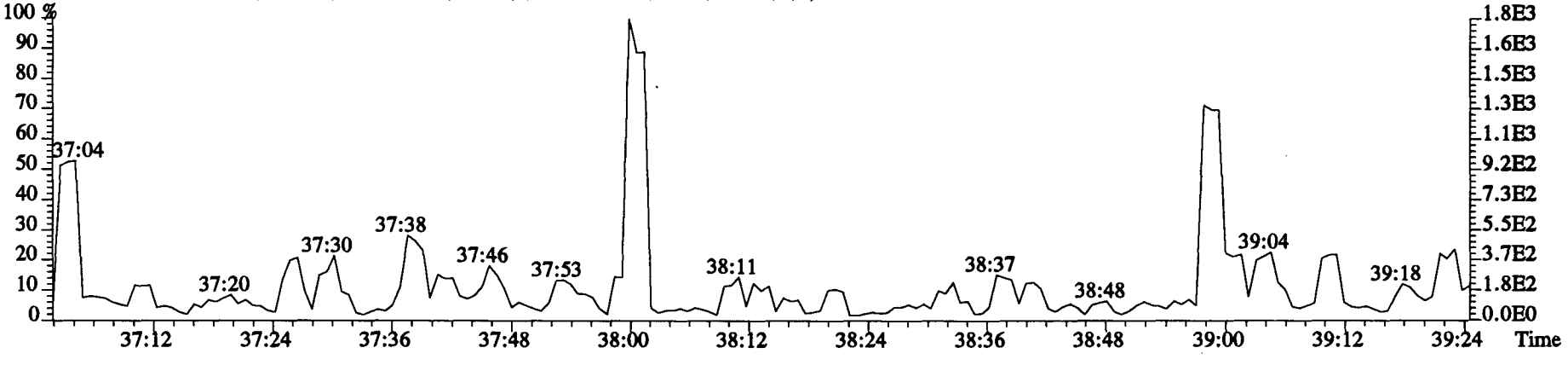
File:30AU104D5 #1-193 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
441.7428 S:55 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)



443.7399 S:55 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1836.0,1.00%,F,T)

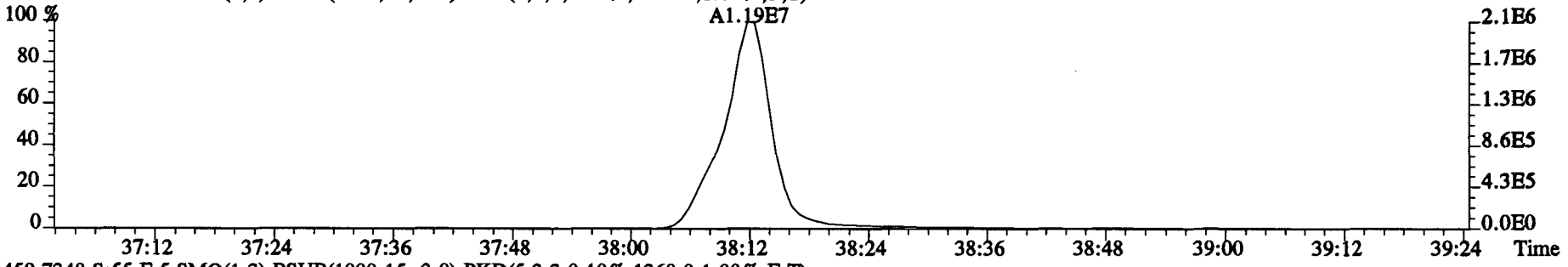


513.6775 S:55 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,100.0,1.00%,F,T)

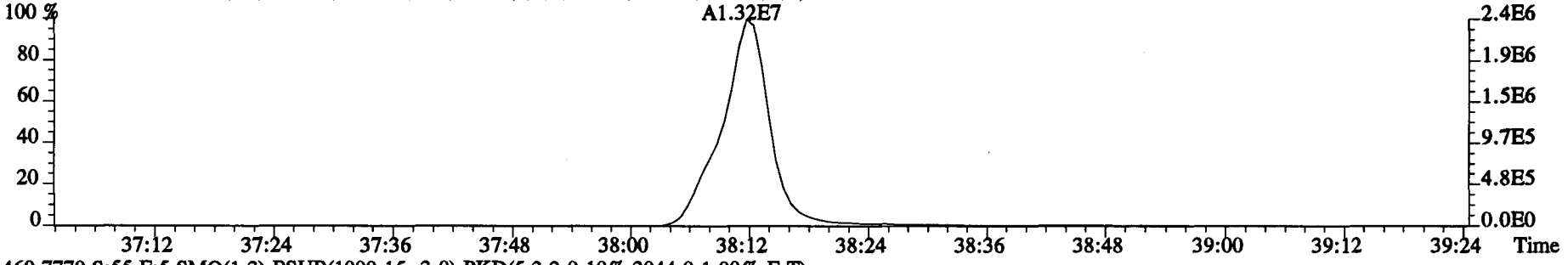


File:30AU104D5 #1-193 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES

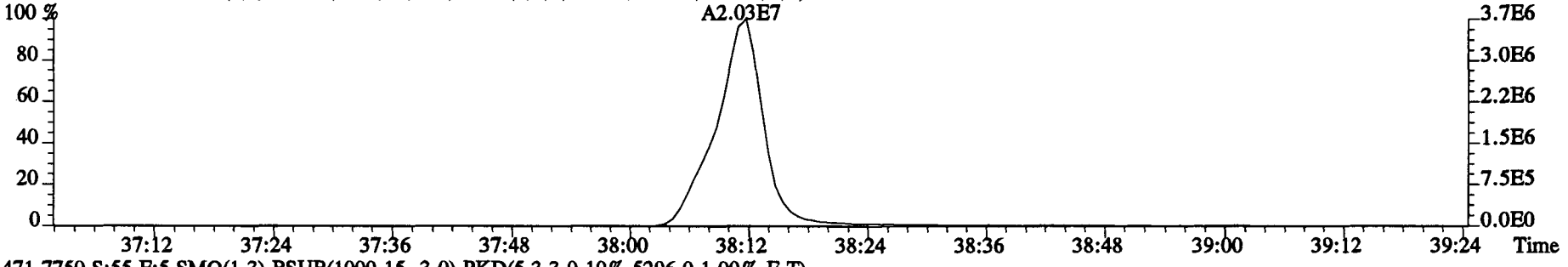
457.7377 S:55 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



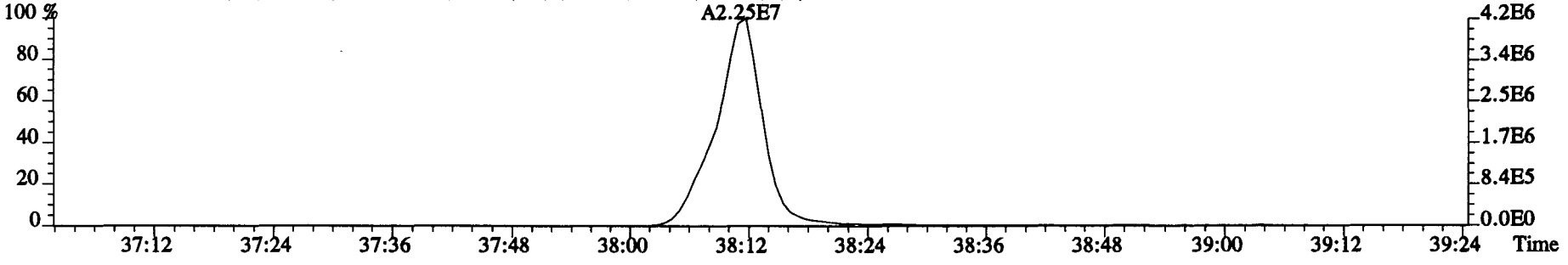
459.7348 S:55 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)



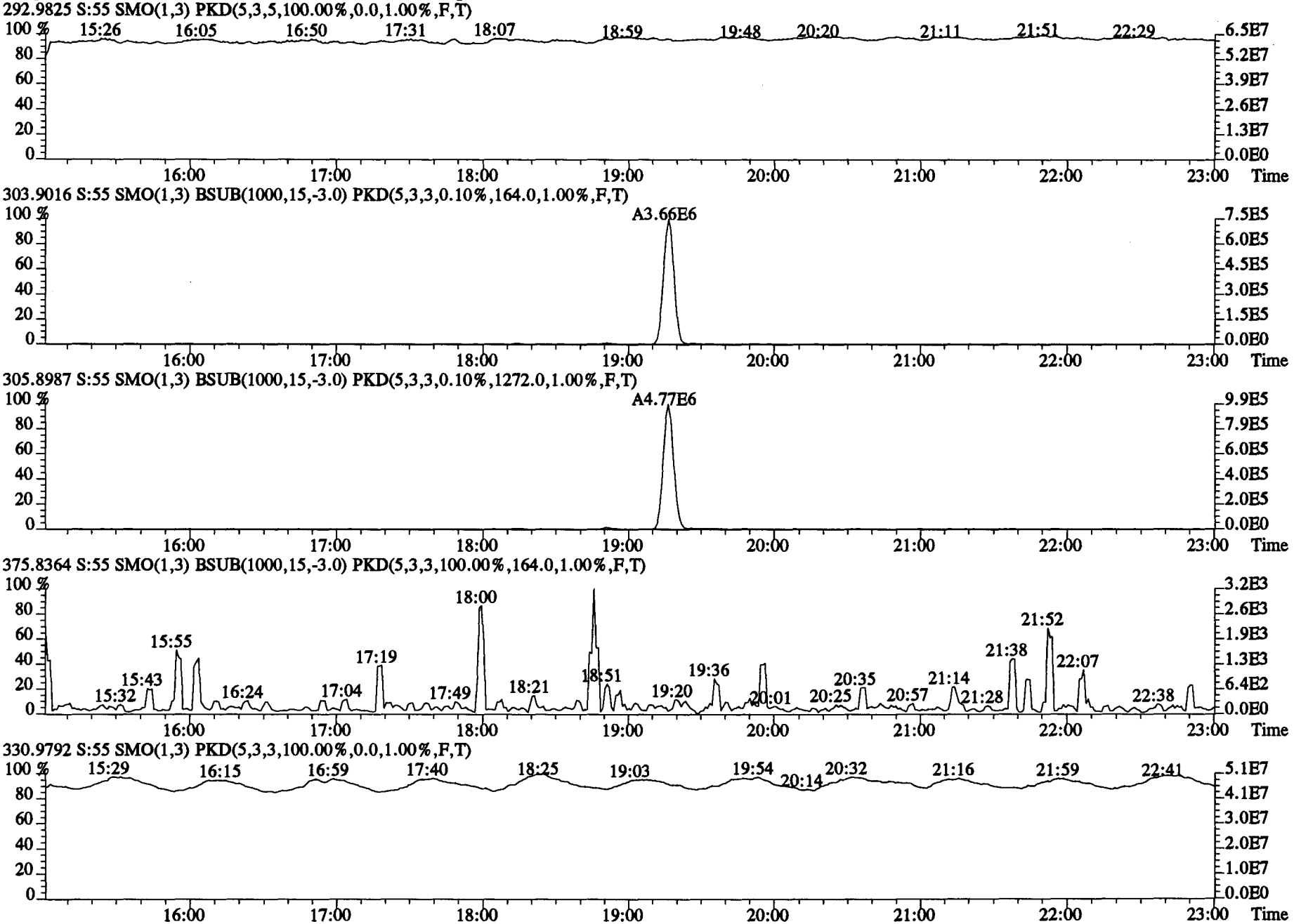
469.7779 S:55 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2044.0,1.00%,F,T)



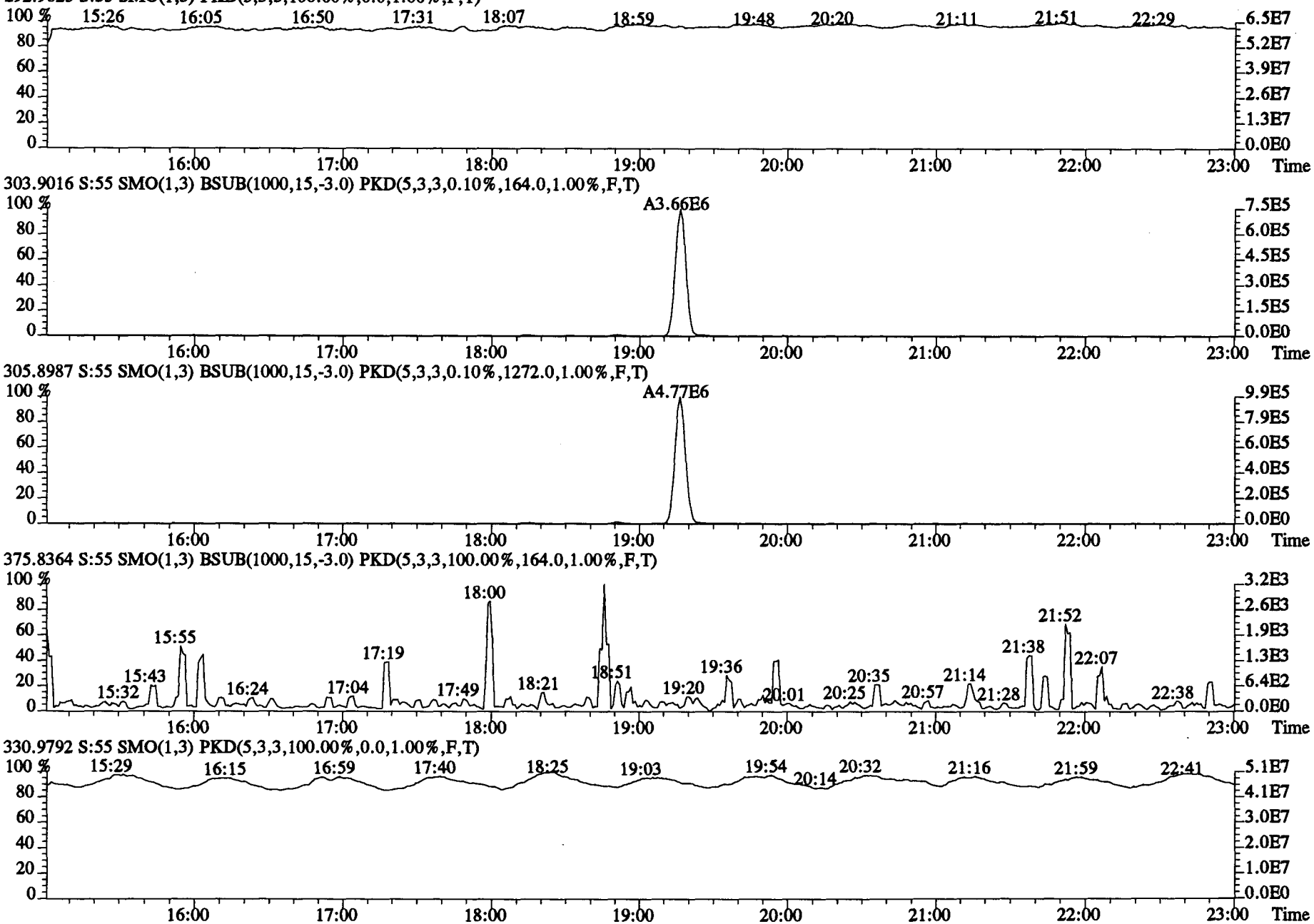
471.7750 S:55 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5296.0,1.00%,F,T)



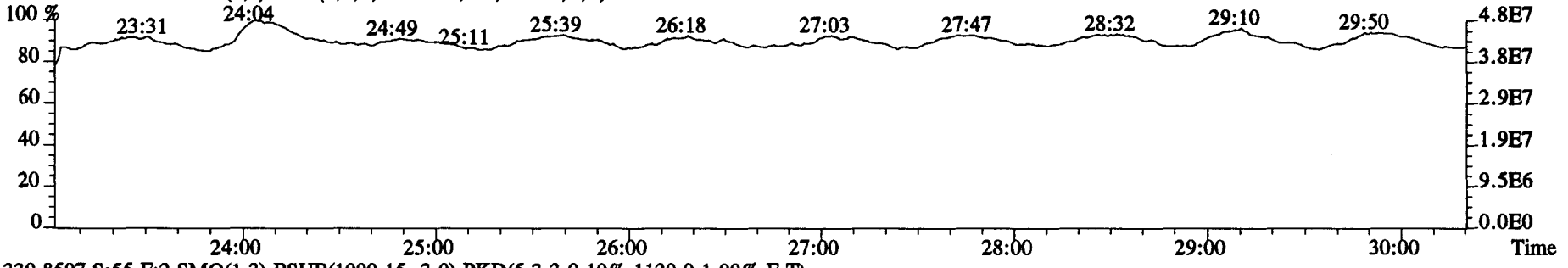
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES



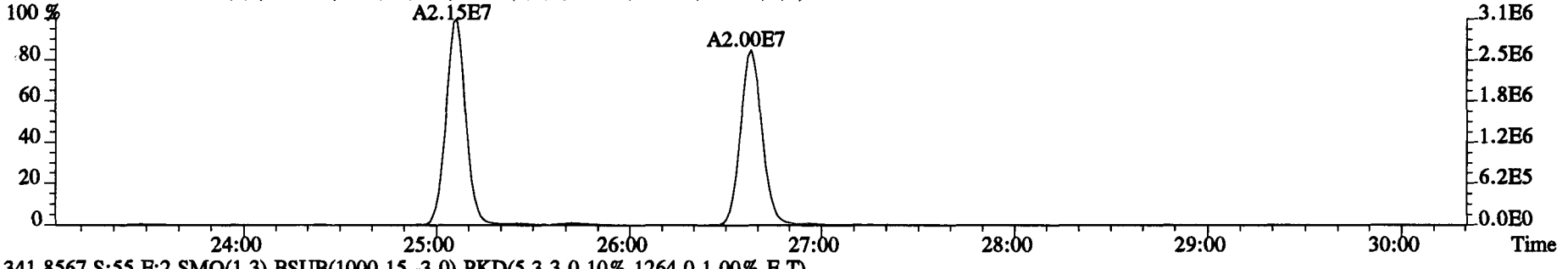
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES



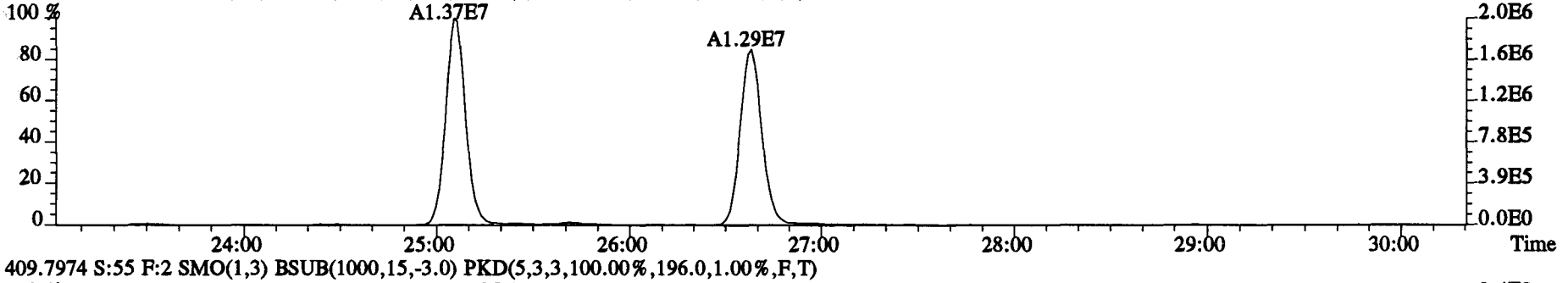
File:30AU104D5 #1-470 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
342.9792 S:55 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



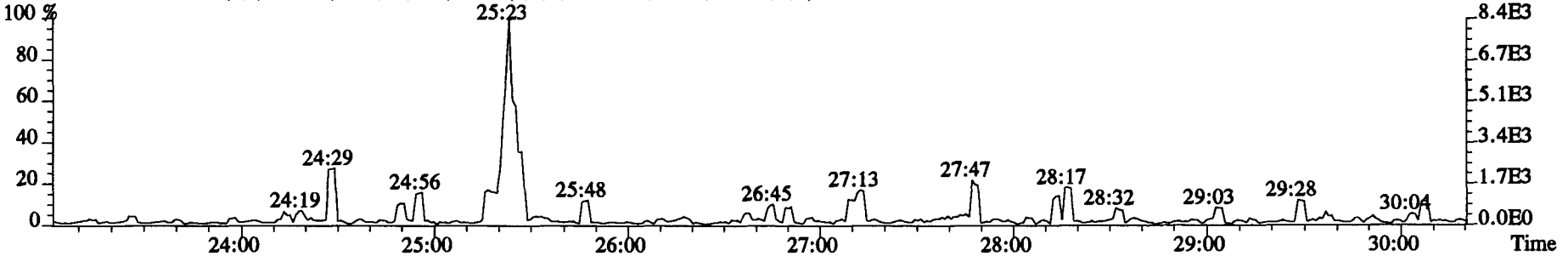
339.8597 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1120.0,1.00%,F,T)



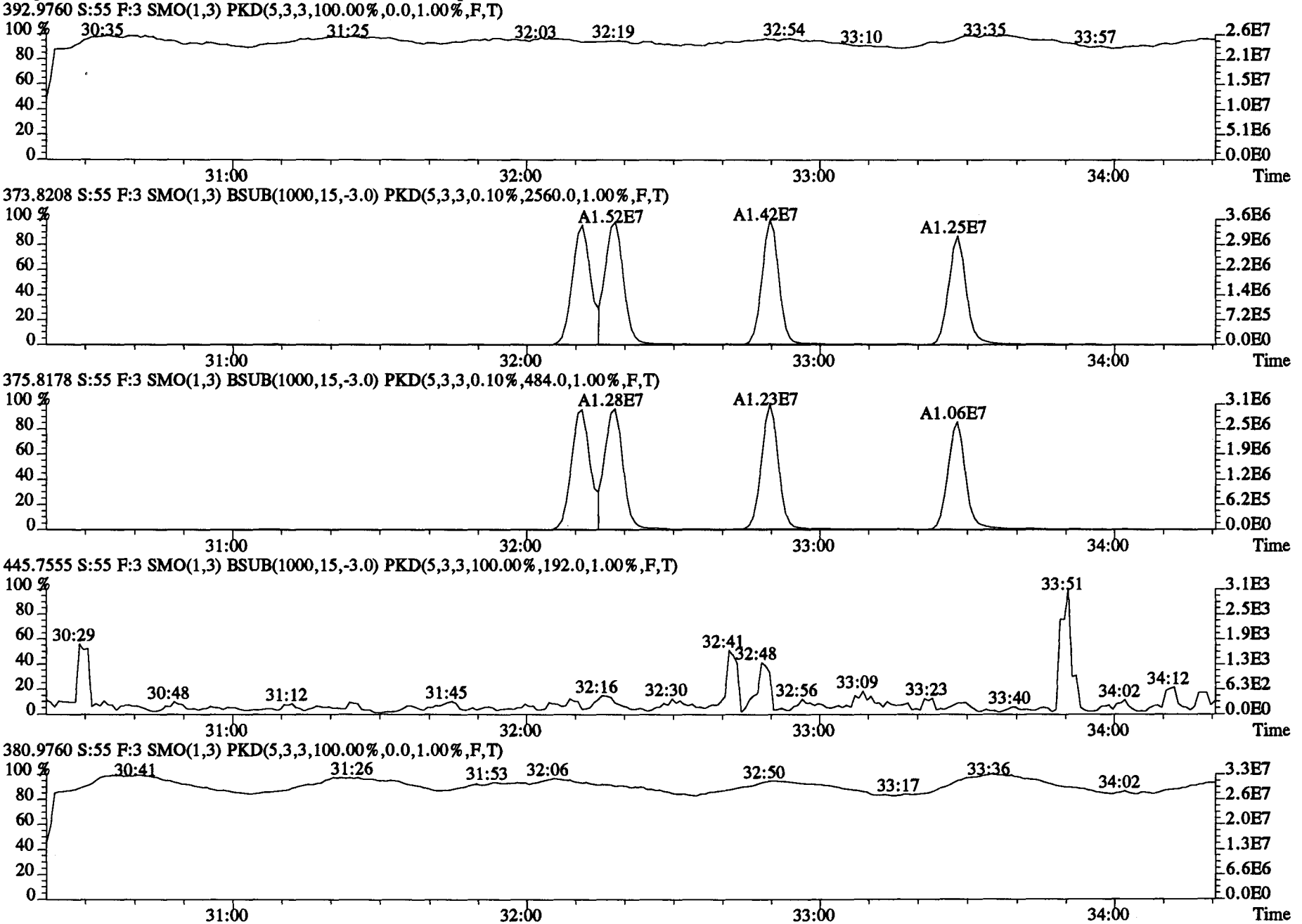
341.8567 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1264.0,1.00%,F,T)



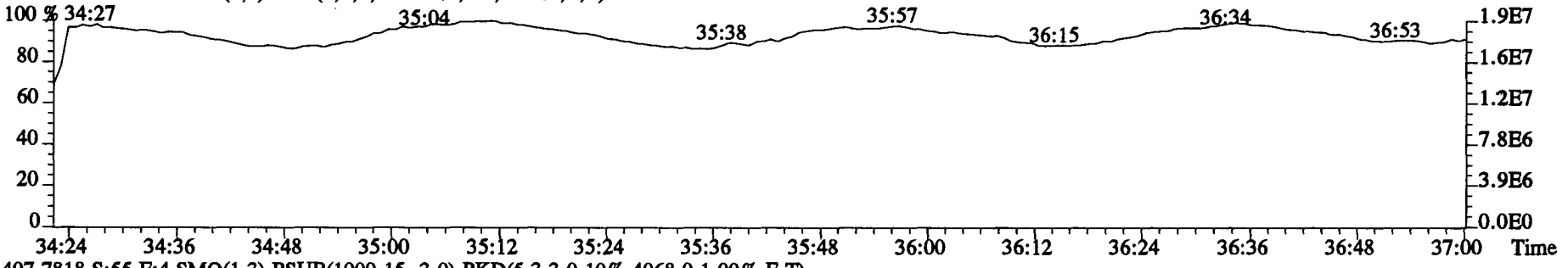
409.7974 S:55 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,196.0,1.00%,F,T)



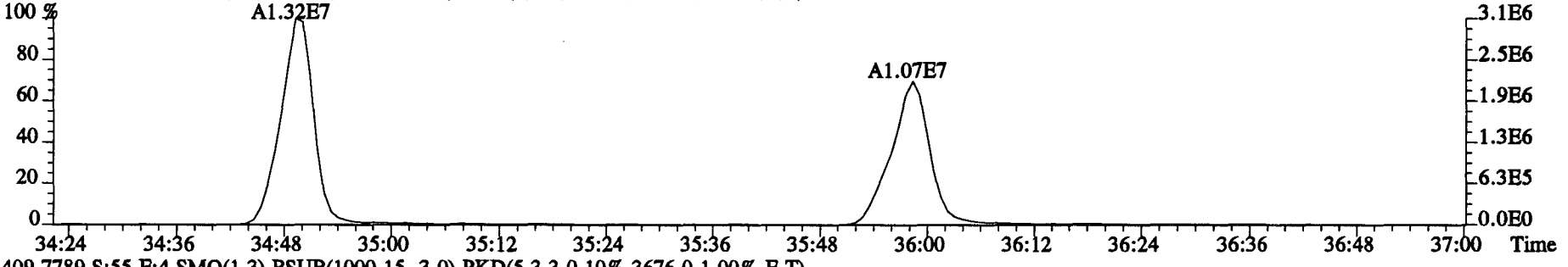
File:30AU104D5 #1-287 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES



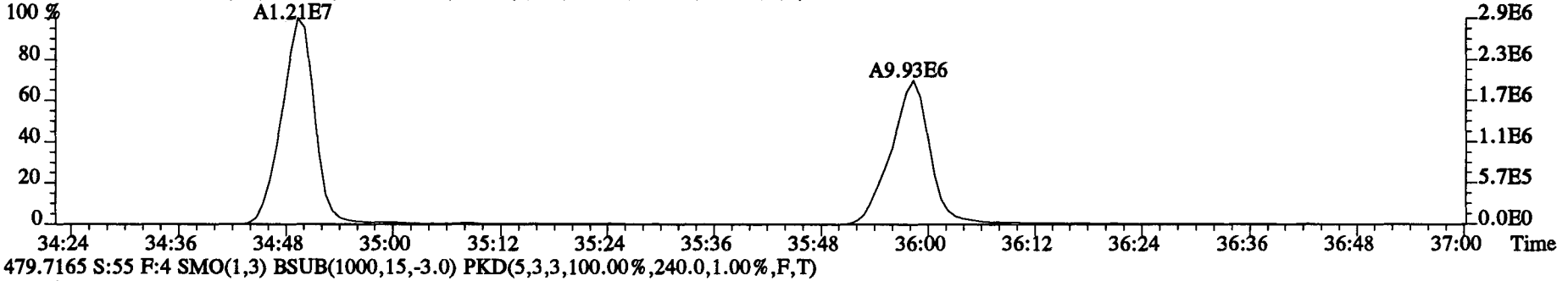
File:30AU104D5 #1-200 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
430.9728 S:55 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



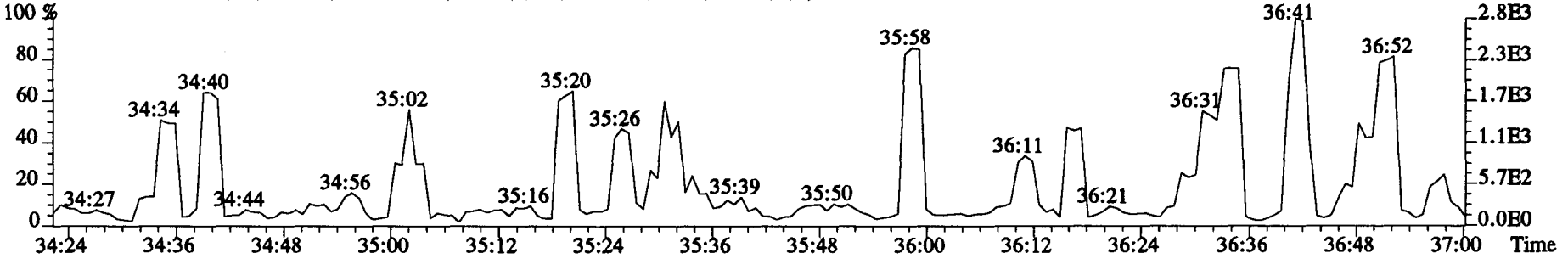
407.7818 S:55 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4068.0,1.00%,F,T)



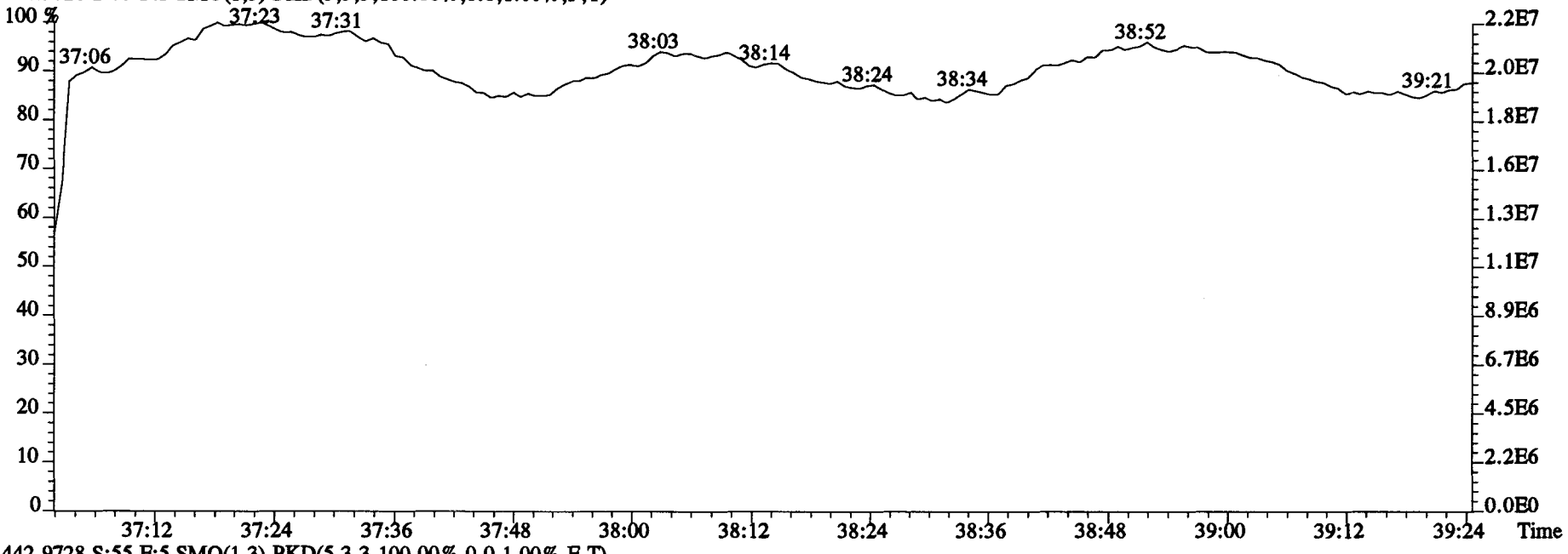
409.7789 S:55 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)



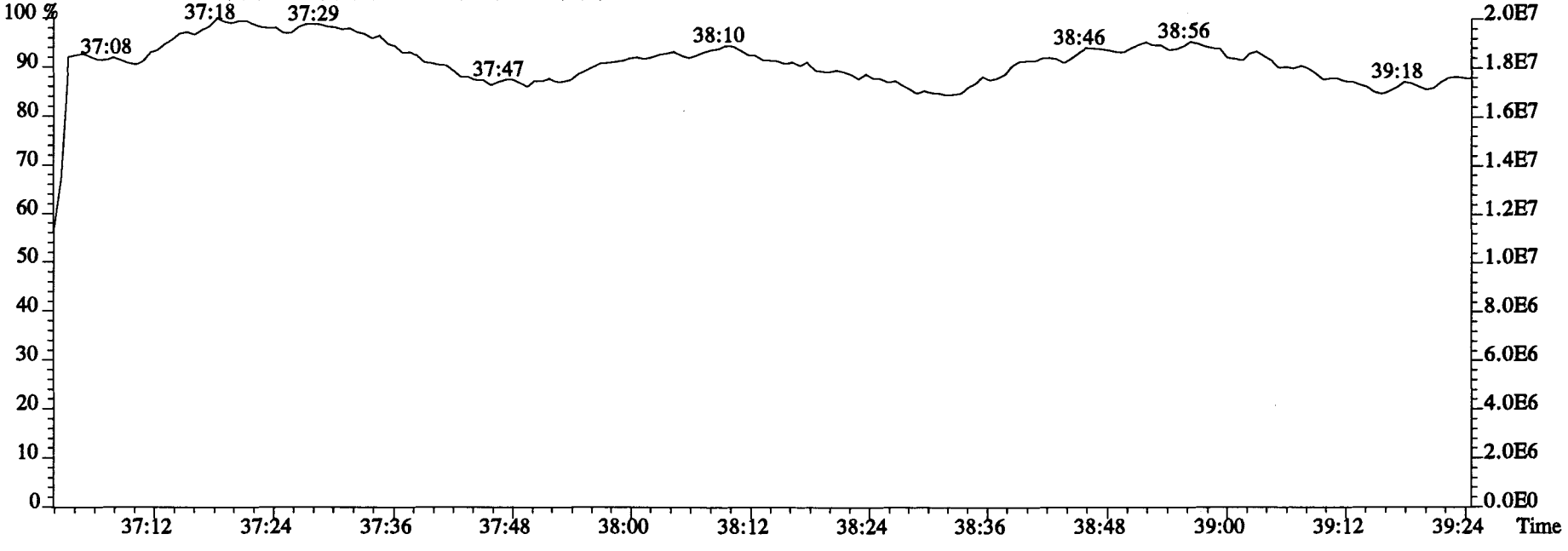
479.7165 S:55 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,240.0,1.00%,F,T)



File:30AU104D5 #1-193 Acq: 1-SEP-2010 01:51:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#55 Text:L568A-1-AC :G0H260533-1LCS Exp:DIOXINRES
454.9728 S:55 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:55 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

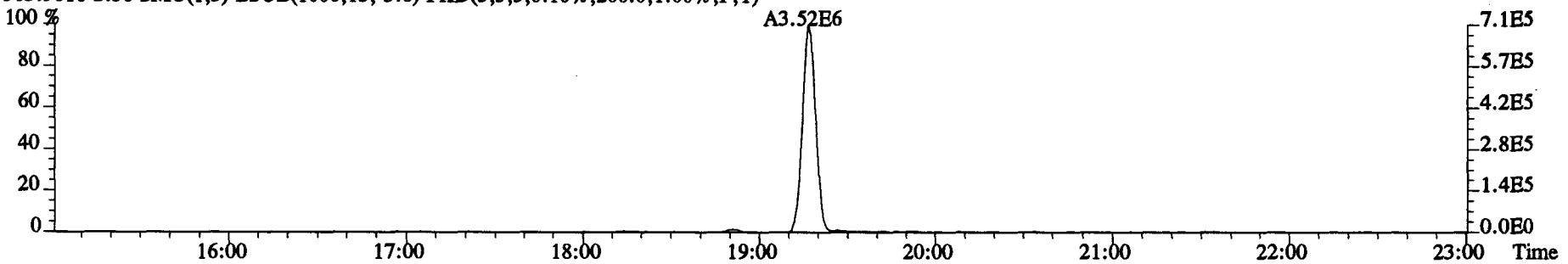


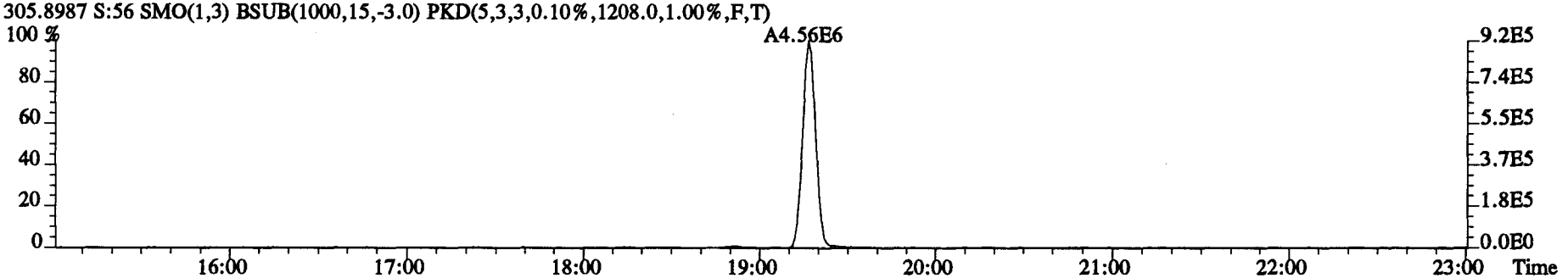
Run text: L568A-1-AD Sample text: L568A-1-AD :G0H260533-1DCS
Run #12 Filename: 30AU104D5 S: 56 I: 1 Results: 30AU104D5TO9
Acquired: 1-SEP-10 02:36:34 Processed: 1-SEP-10 10:53:23
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAM

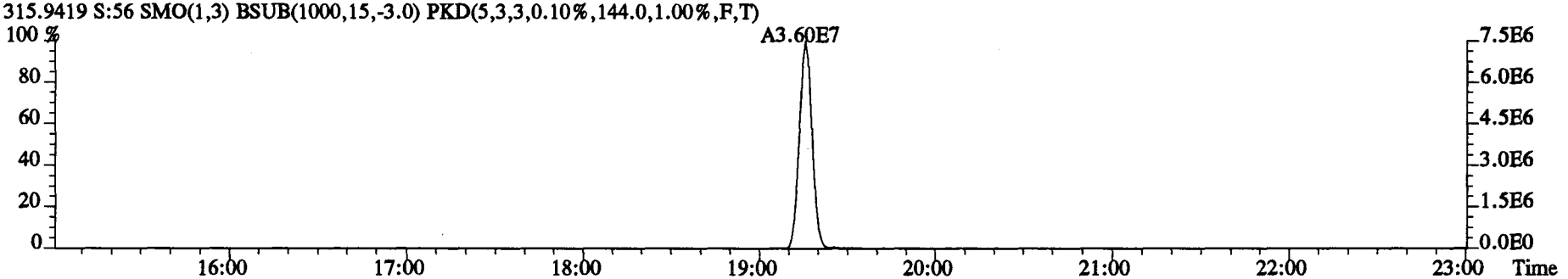
V2 9.2.10

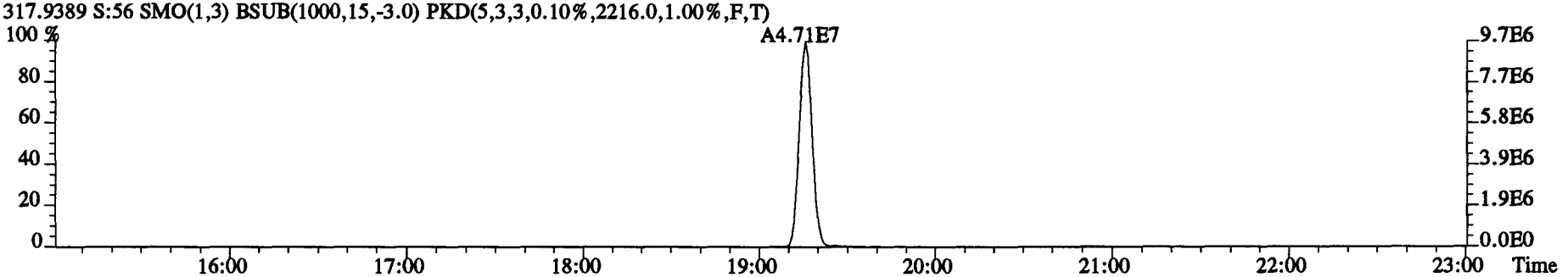
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	70173174	0.80	y	19:51	-	42.021	-	-	n
13C-2,3,7,8-TCDF	83103268	0.76	y	19:16	1.23	3853.310	1.632	96.3	n
2,3,7,8-TCDF	8080516	0.77	y	19:17	0.99	391.084	0.992	-	n
Total TCDF	8269210	0.77	y	18:15	0.99	~~400.217~~	0.992	-	n
13C-2,3,7,8-TCDD	60342654	0.80	y	20:05	0.91	3800.476	6.700	95.0	n
2,3,7,8-TCDD	6115767	0.78	y	20:05	0.98	412.218	0.781	-	n
Total TCDD	6180143	1.67	n	16:44	0.98	~~416.557~~	0.781	-	n
37Cl-2,3,7,8-TCDD	63049	1.00	y	20:05	1.33	3.152	0.179	0.2	n
13C-1,2,3,7,8-PeCDF	63913274	1.62	y	25:05	0.88	4158.639	3.766	104.0	n
1,2,3,7,8-PeCDF	34087327	1.55	y	25:06	1.08	1981.496	2.956	-	n
2,3,4,7,8-PeCDF	32375857	1.55	y	26:38	1.05	1937.892	3.043	-	n
Total F2 PeCDF	67108576	1.09	n	23:30	1.06	~~3957.453~~	2.999	-	n
Total F1 PeCDF	41258	0.52	n	15:46	1.06	~~2.433~~	1.242	-	n
13C-1,2,3,7,8-PeCDD	40765875	1.65	y	27:28	0.66	3516.409	2.681	87.9	n
1,2,3,7,8-PeCDD	20858455	1.64	y	27:29	0.93	2211.502	6.791	-	n
Total PeCDD	20931505	1.64	y	27:29	0.93	~~2219.247~~	6.791	-	n
13C-1,2,3,7,8,9-HxCDD	41681402	1.26	y	33:17	-	35.204	-	-	n
13C-1,2,3,4,7,8-HxCDF	44845195	0.51	y	32:11	1.04	4119.135	10.182	103.0	n
1,2,3,4,7,8-HxCDF	27870060	1.16	y	32:11	1.22	2042.240	0.822	-	n
1,2,3,6,7,8-HxCDF	28172993	1.16	y	32:18	1.28	1960.712	0.780	-	n
2,3,4,6,7,8-HxCDF	26711440	1.16	y	32:50	1.23	1931.664	0.811	-	n
1,2,3,7,8,9-HxCDF	22621997	1.16	y	33:28	1.10	1837.415	0.911	-	n
Total HxCDF	105376490	1.16	y	32:11	1.21	~~7772.031~~	0.828	-	n
13C-1,2,3,6,7,8-HxCDD	37282565	1.31	y	33:01	0.83	4306.572	0.775	107.7	n
1,2,3,4,7,8-HxCDD	18200687	1.26	y	32:58	1.04	1882.717	2.682	-	n
1,2,3,6,7,8-HxCDD	20402781	1.30	y	33:02	1.16	1882.528	2.392	-	n
1,2,3,7,8,9-HxCDD	20437800	1.26	y	33:18	1.18	1855.557	2.354	-	n
Total HxCDD	59154097	1.26	y	32:58	1.13	~~5631.540~~	2.468	-	n
13C-1,2,3,4,6,7,8-HpCDF	35219472	0.45	y	34:49	0.91	3714.056	15.032	92.9	n
1,2,3,4,6,7,8-HpCDF	24680214	1.05	y	34:50	1.35	2082.829	10.061	-	n
1,2,3,4,7,8,9-HpCDF	20611142	1.06	y	35:58	1.09	2140.841	12.383	-	n
Total HpCDF	46077836	1.05	y	34:50	1.22	~~4296.909~~	11.102	-	n
13C-1,2,3,4,6,7,8-HpCDD	31313824	1.06	y	35:39	0.83	3635.426	6.282	90.9	n
1,2,3,4,6,7,8-HpCDD	16564416	1.06	y	35:39	1.07	1974.369	10.185	-	n
Total HpCDD	16628265	0.68	n	35:04	1.07	~~1981.979~~	10.185	-	n
13C-OCDD	43065918	0.90	y	38:11	0.62	6667.008	6.824	83.3	n
OCDF	30012697	0.91	y	38:18	1.37	4068.614	6.922	-	n
OCDD	25020023	0.90	y	38:12	1.20	3875.340	6.006	-	n

File:30AU104D5 #1-530 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES

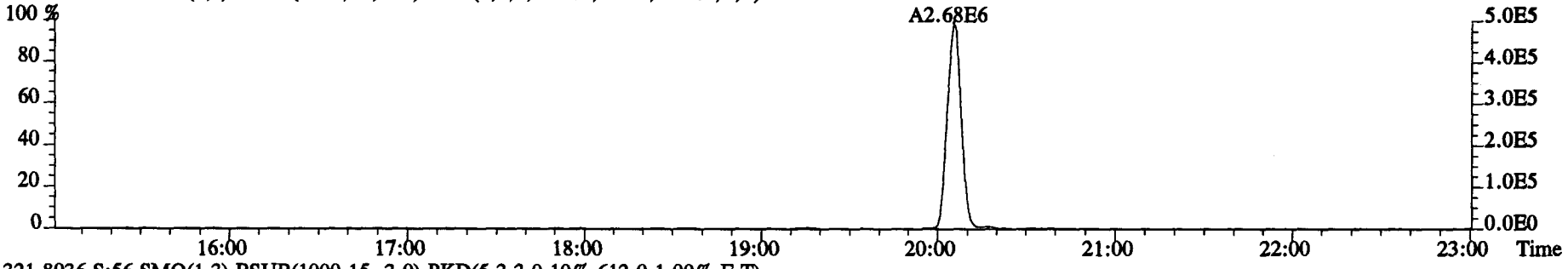




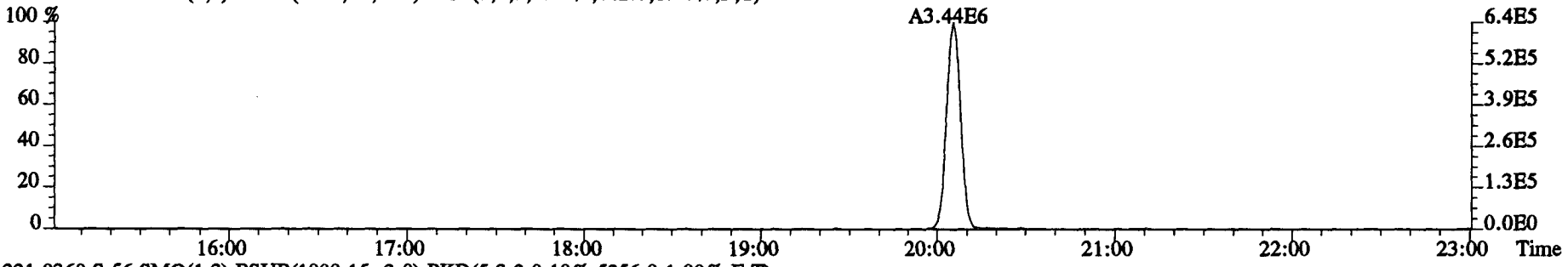




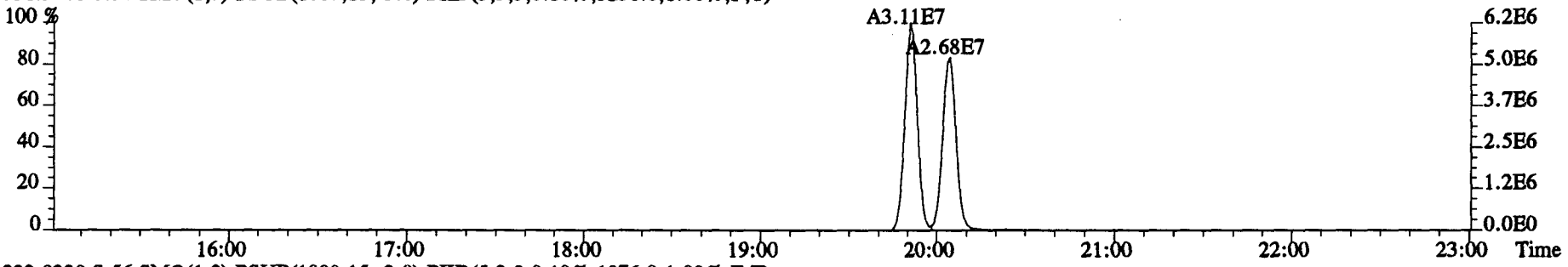
File:30AU104D5 #1-530 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
319.8965 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



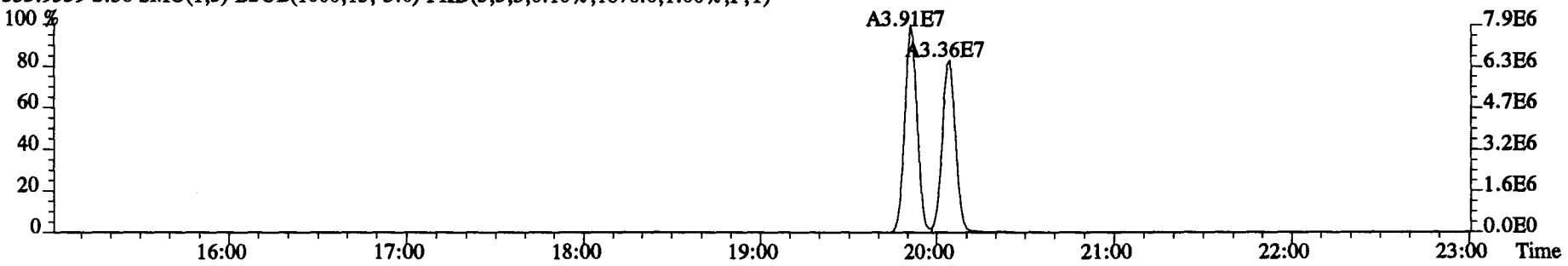
321.8936 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



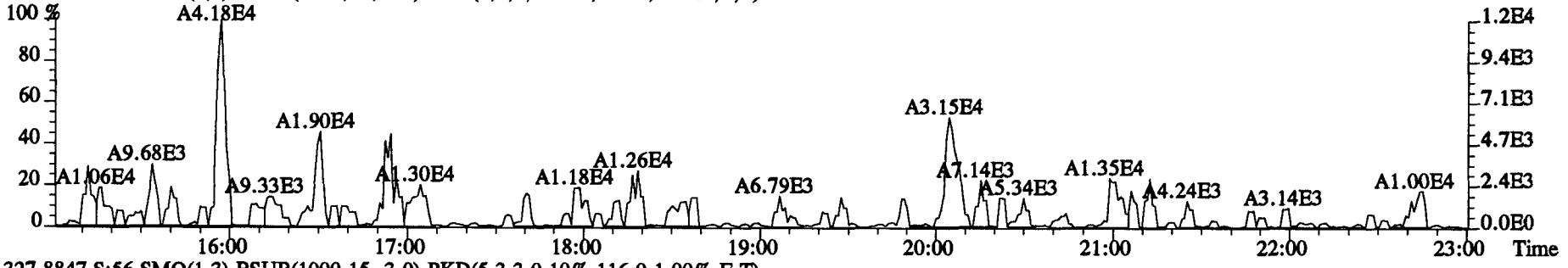
331.9368 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5256.0,1.00%,F,T)



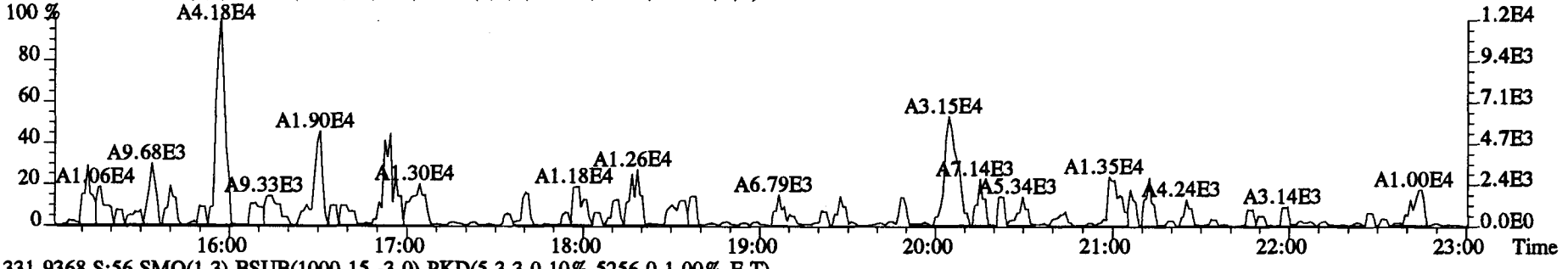
333.9339 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1876.0,1.00%,F,T)



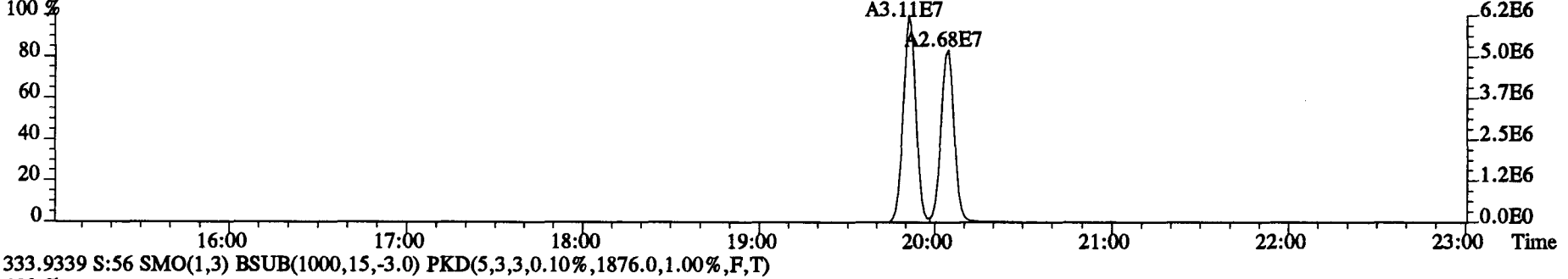
File:30AU104D5 #1-530 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
327.8847 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



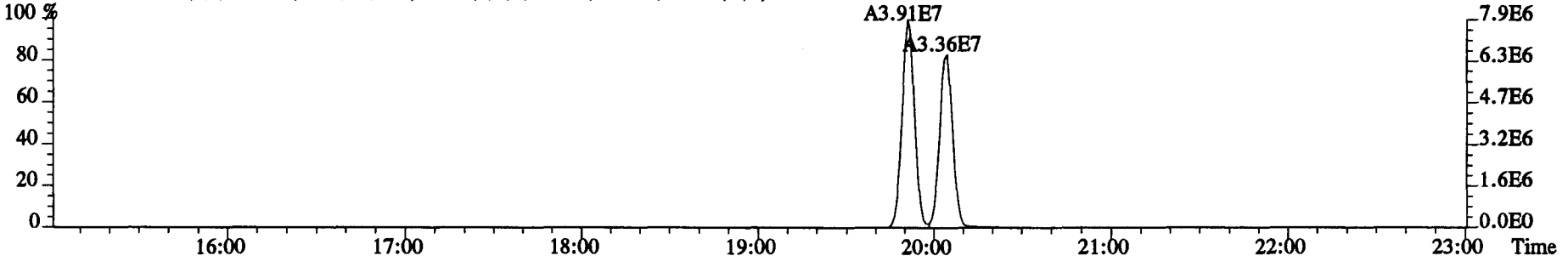
327.8847 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



331.9368 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5256.0,1.00%,F,T)

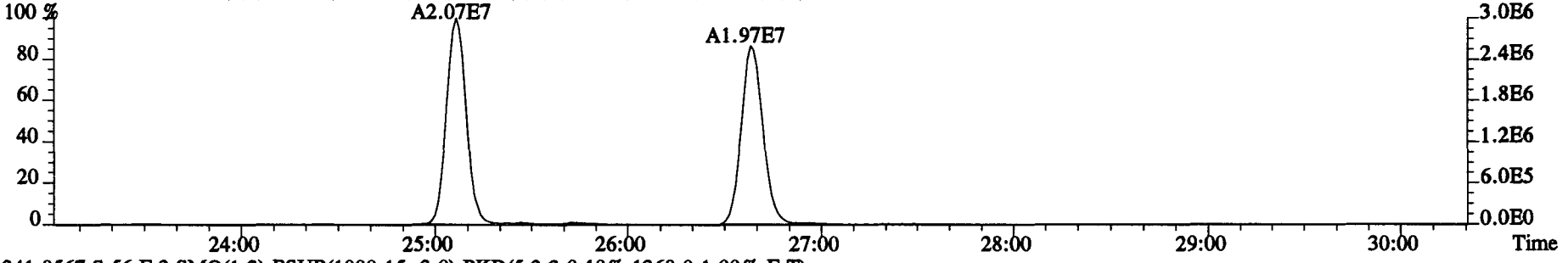


333.9339 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1876.0,1.00%,F,T)

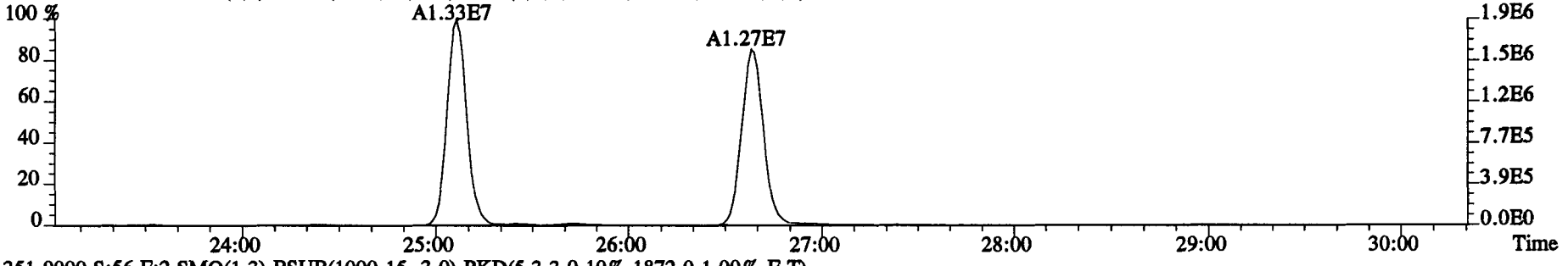


File:30AU104D5 #1-470 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES

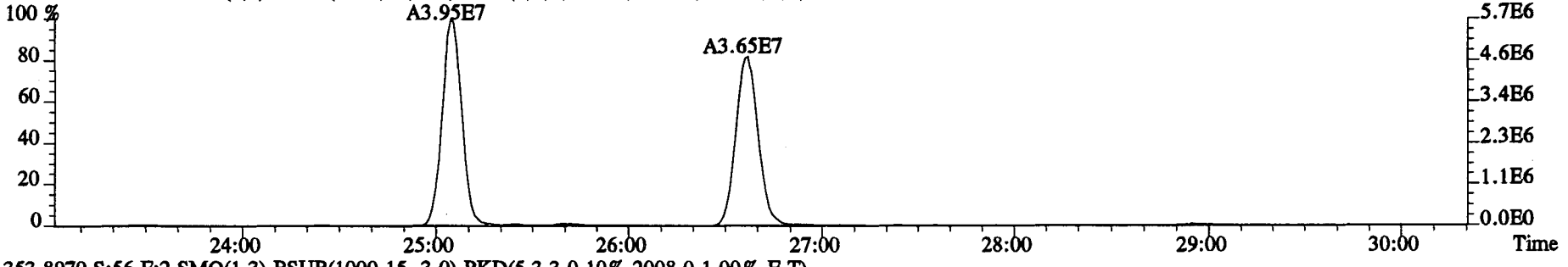
339.8597 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



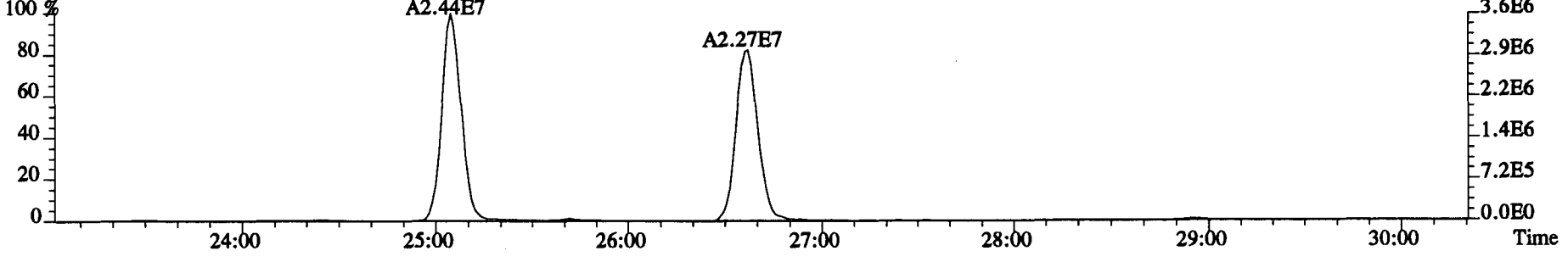
341.8567 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)



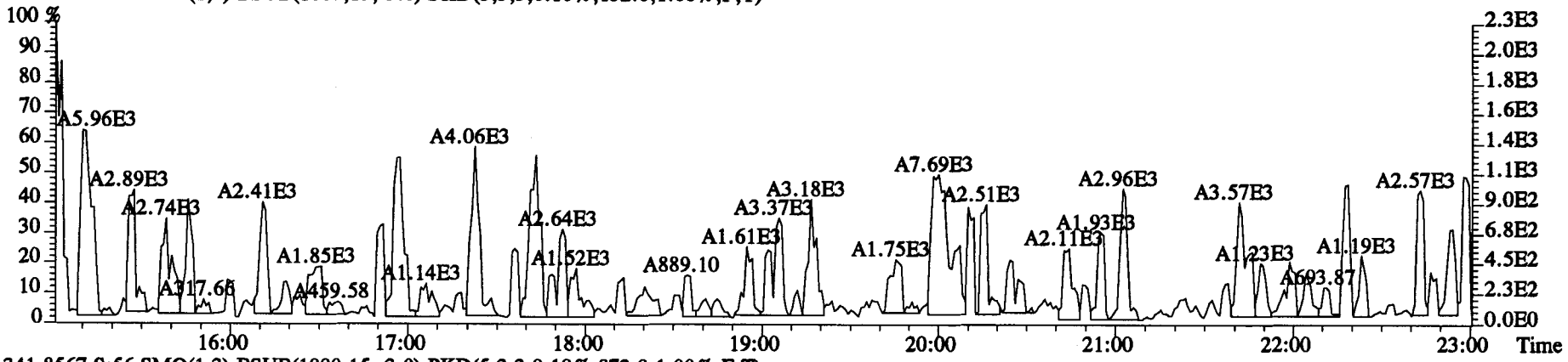
351.9000 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1872.0,1.00%,F,T)



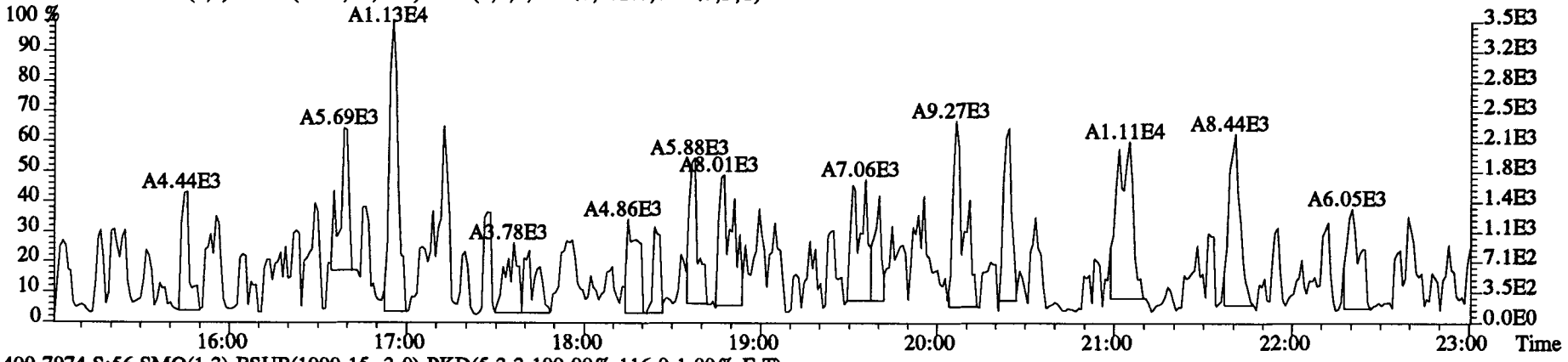
353.8970 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T)



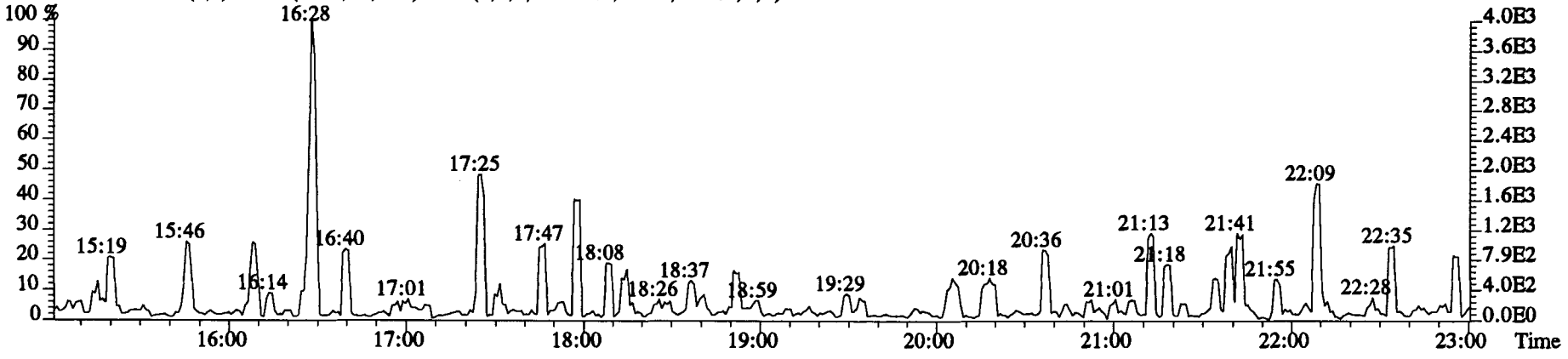
File:30AU104D5 #1-530 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
339.8597 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152.0,1.00%,F,T)



341.8567 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,872.0,1.00%,F,T)

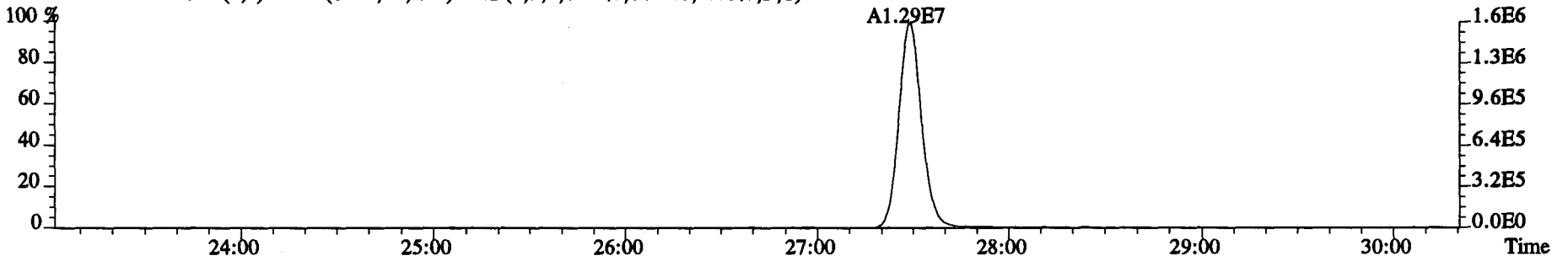


409.7974 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)

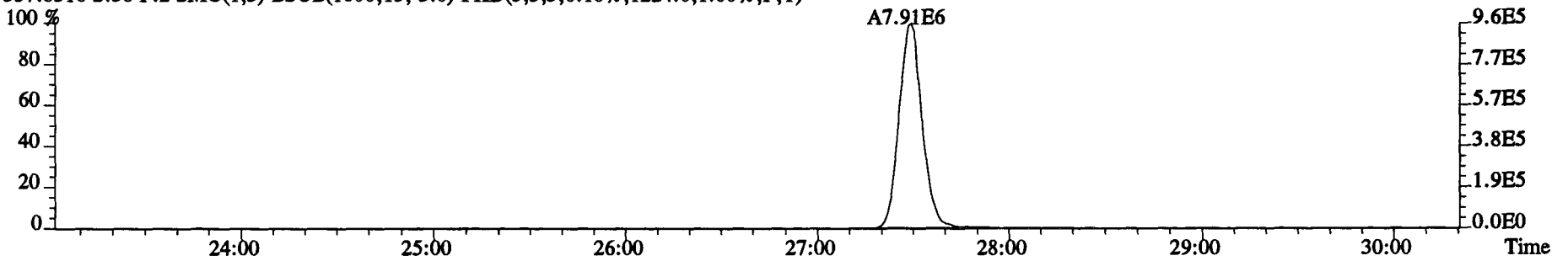


File:30AU104D5 #1-470 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES

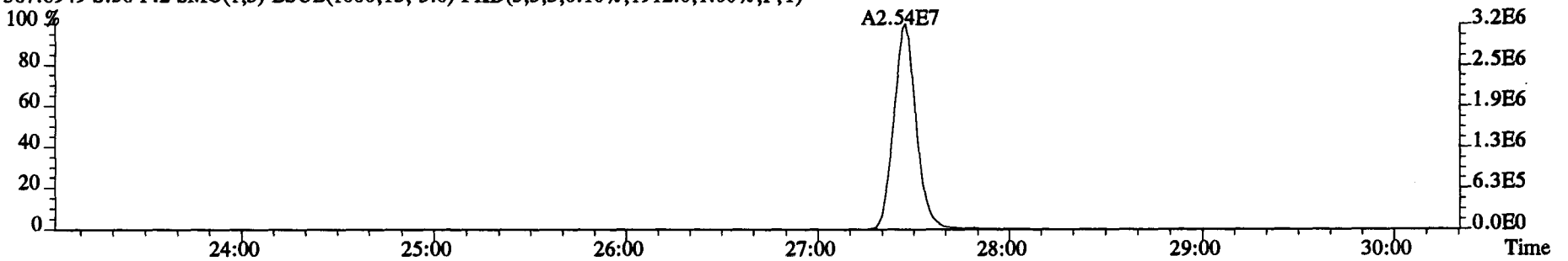
355.8546 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1408.0,1.00%,F,T)



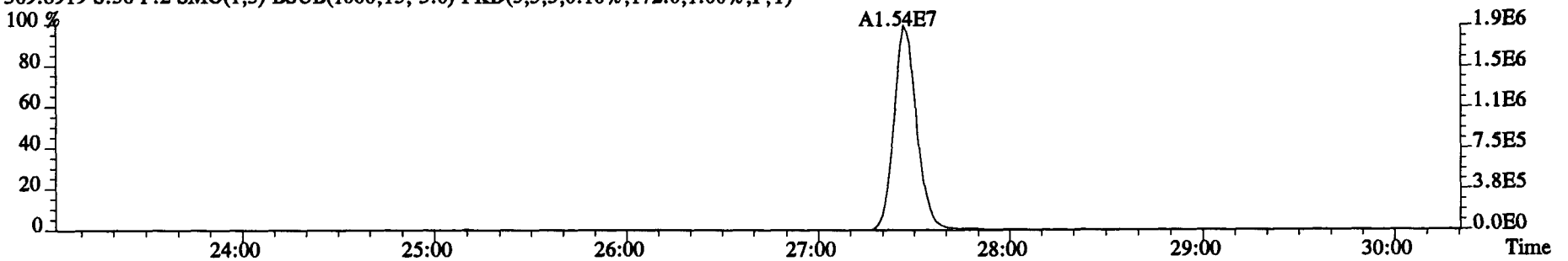
357.8516 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1224.0,1.00%,F,T)



367.8949 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1912.0,1.00%,F,T)

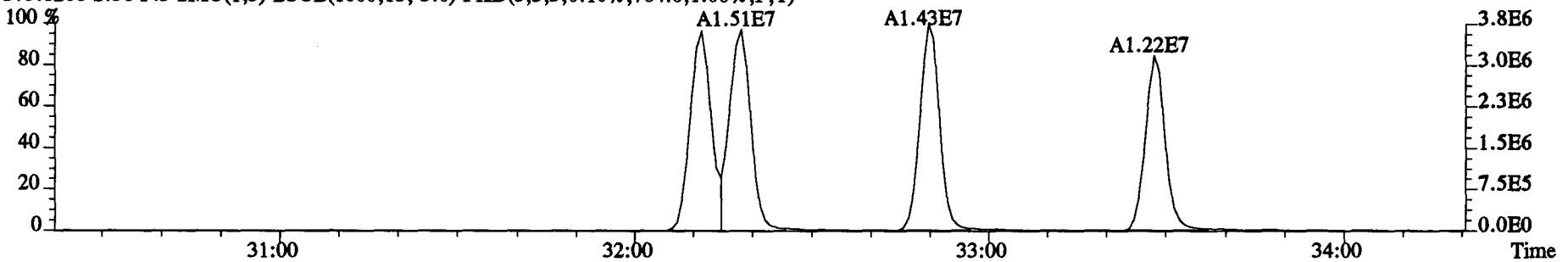


369.8919 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172.0,1.00%,F,T)

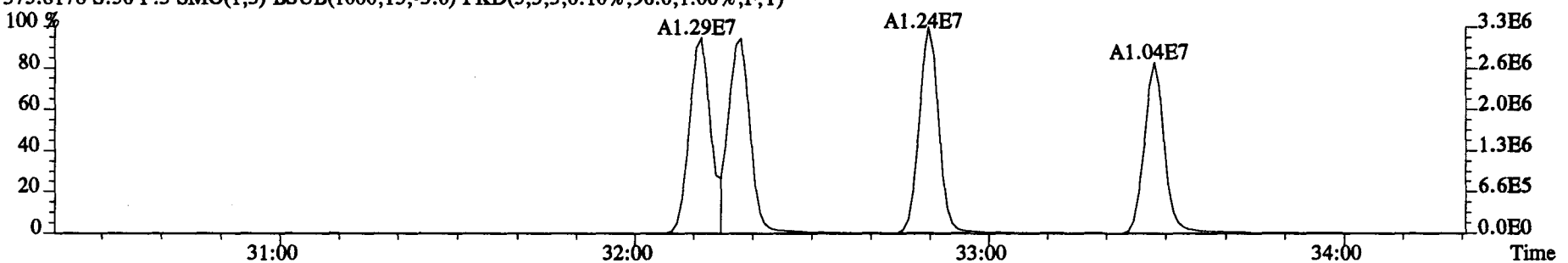


File:30AU104D5 #1-287 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES

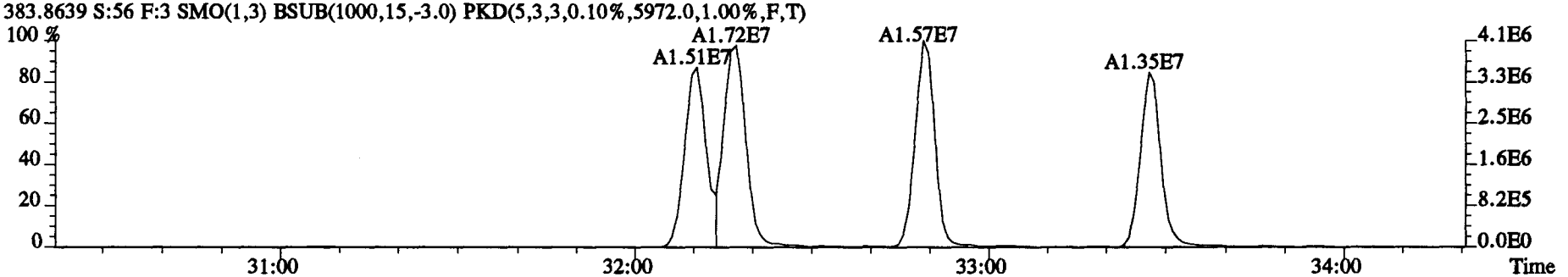
373.8208 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,784.0,1.00%,F,T)



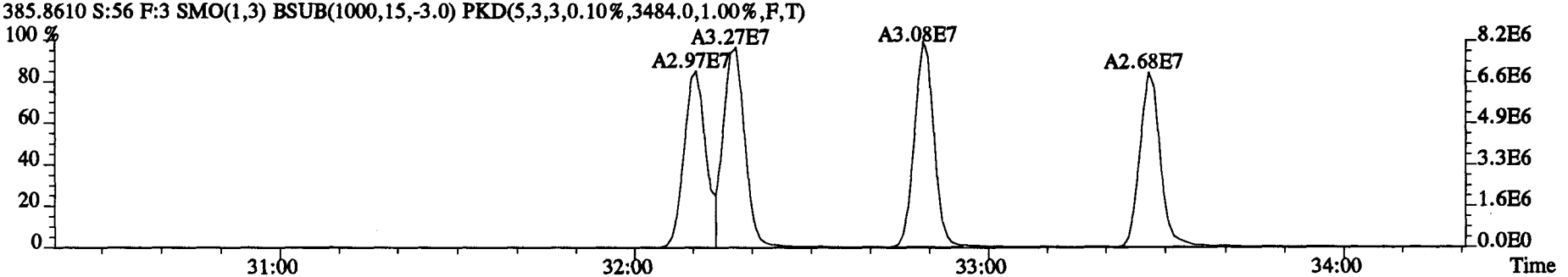
375.8178 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



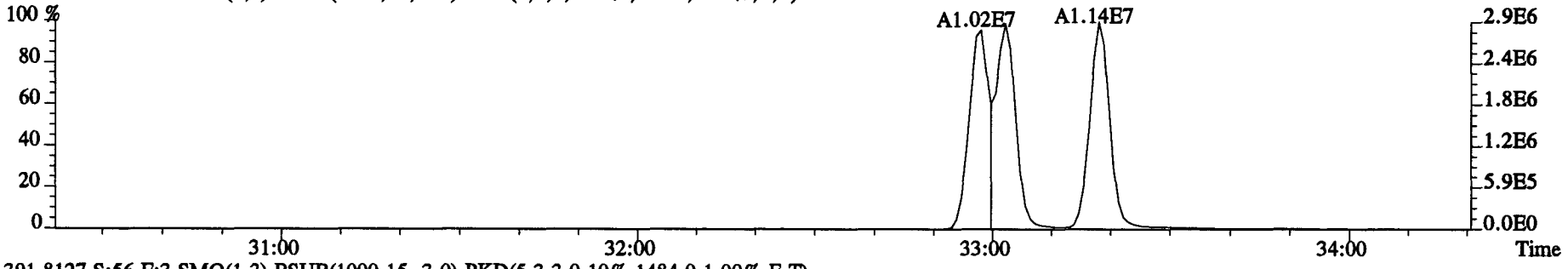
383.8639 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5972.0,1.00%,F,T)



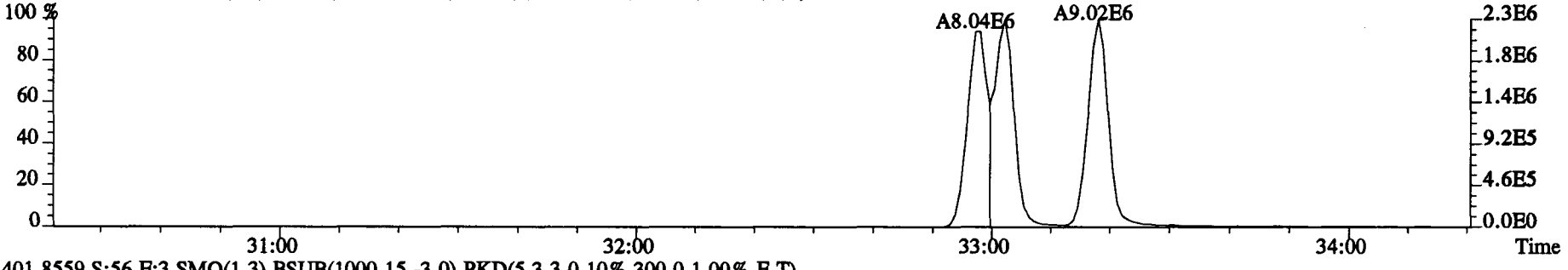
385.8610 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3484.0,1.00%,F,T)



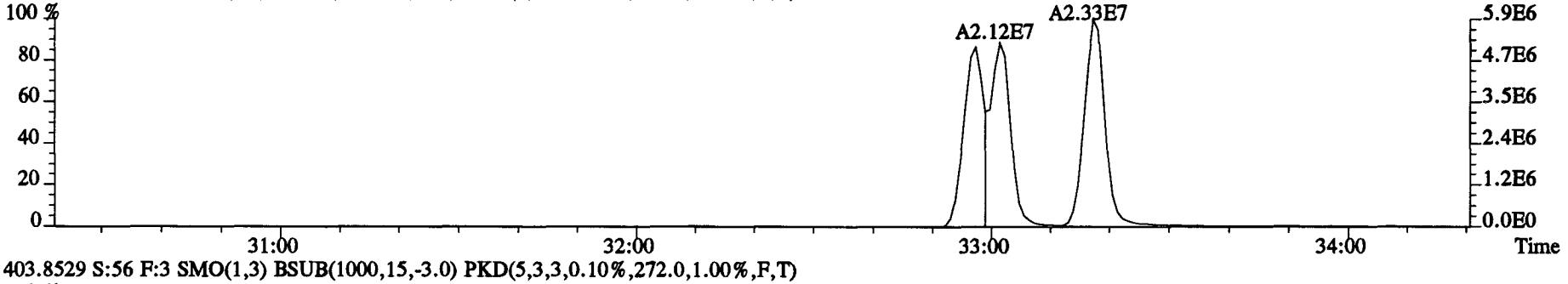
File:30AU104D5 #1-287 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
389.8157 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)



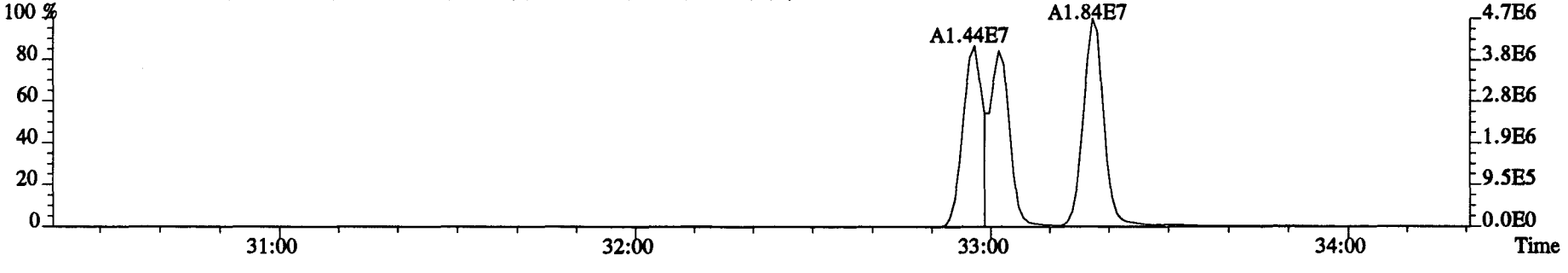
391.8127 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1484.0,1.00%,F,T)



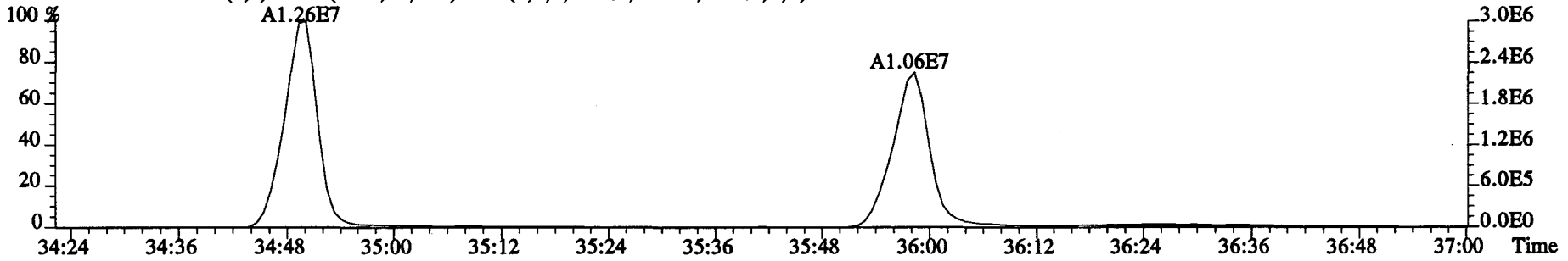
401.8559 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,300.0,1.00%,F,T)



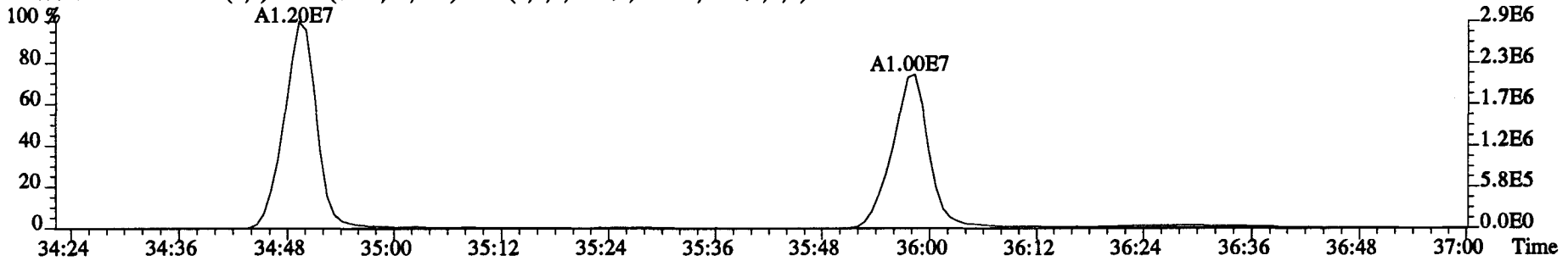
403.8529 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,272.0,1.00%,F,T)



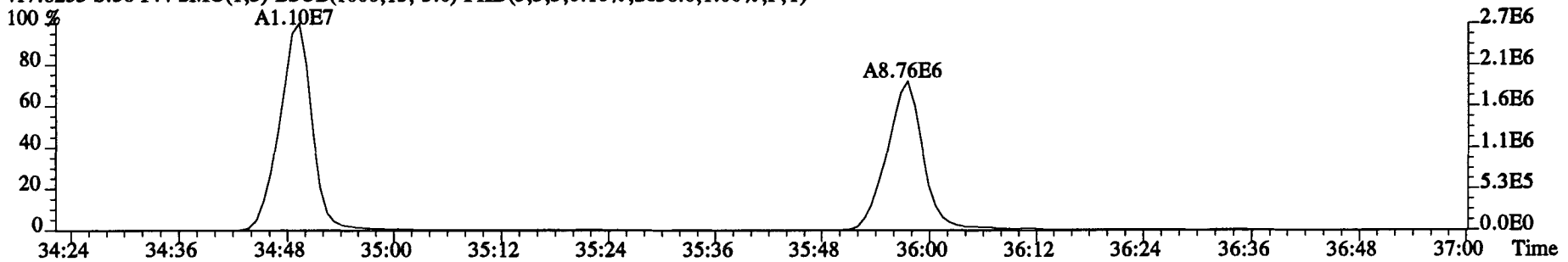
File:30AU104D5 #1-200 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
407.7818 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4088.0,1.00%,F,T)



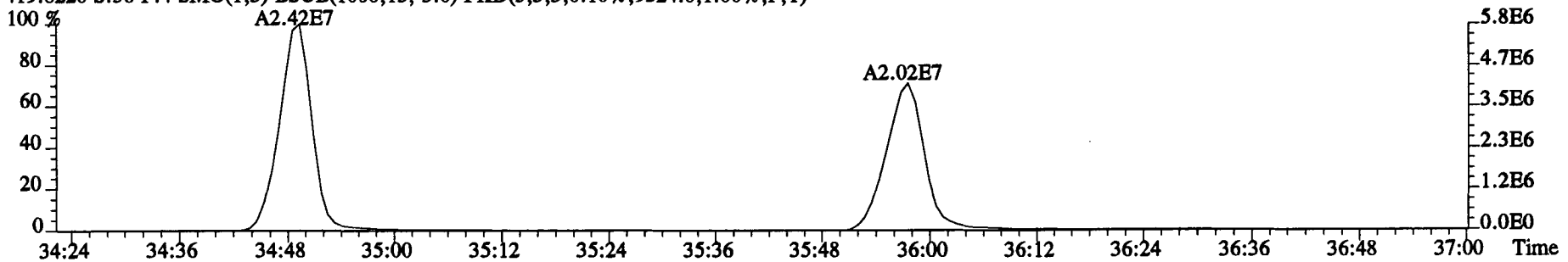
409.7789 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5484.0,1.00%,F,T)



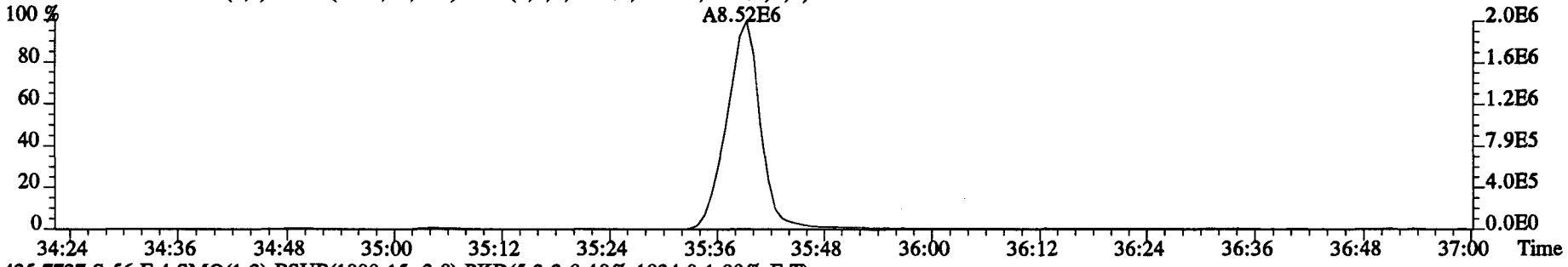
417.8253 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2636.0,1.00%,F,T)



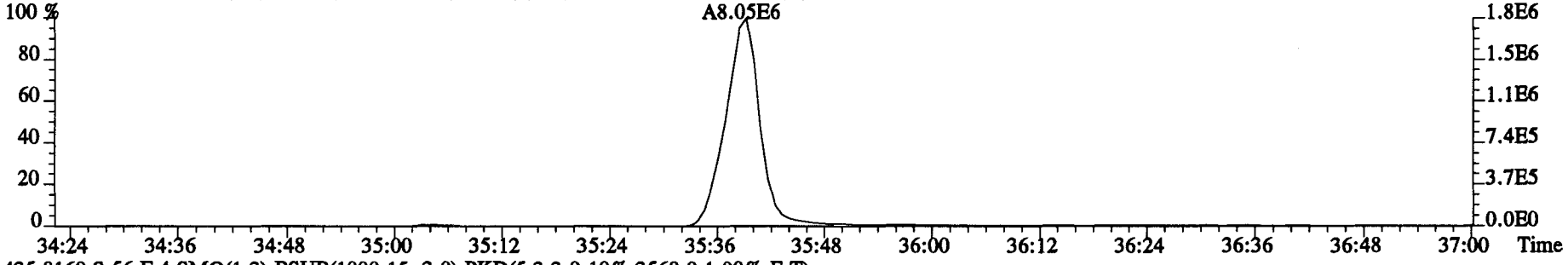
419.8220 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9524.0,1.00%,F,T)



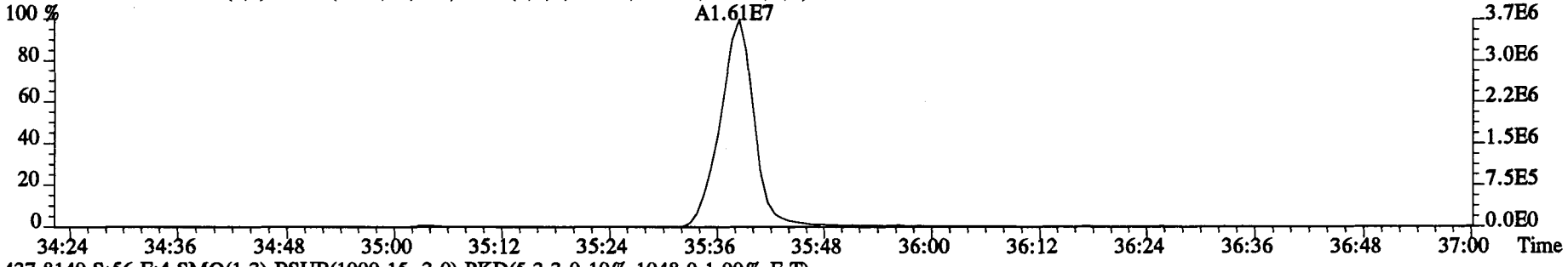
File:30AU104D5 #1-200 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
423.7766 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4760.0,1.00%,F,T)



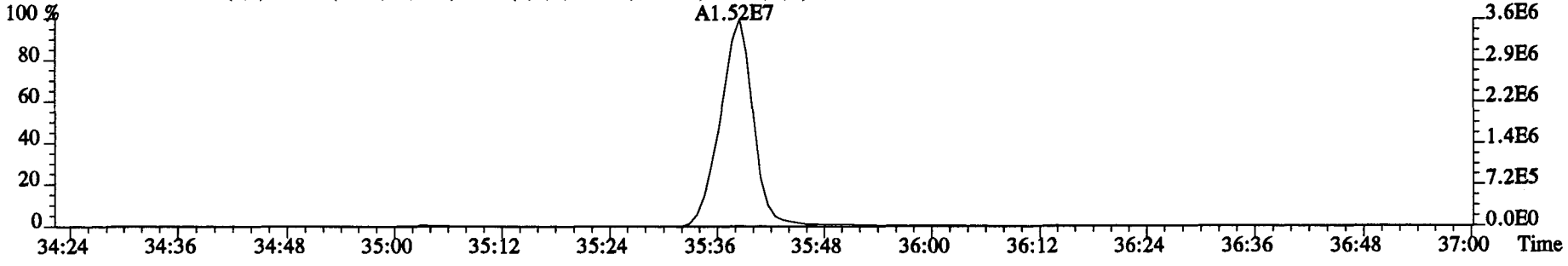
425.7737 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1924.0,1.00%,F,T)



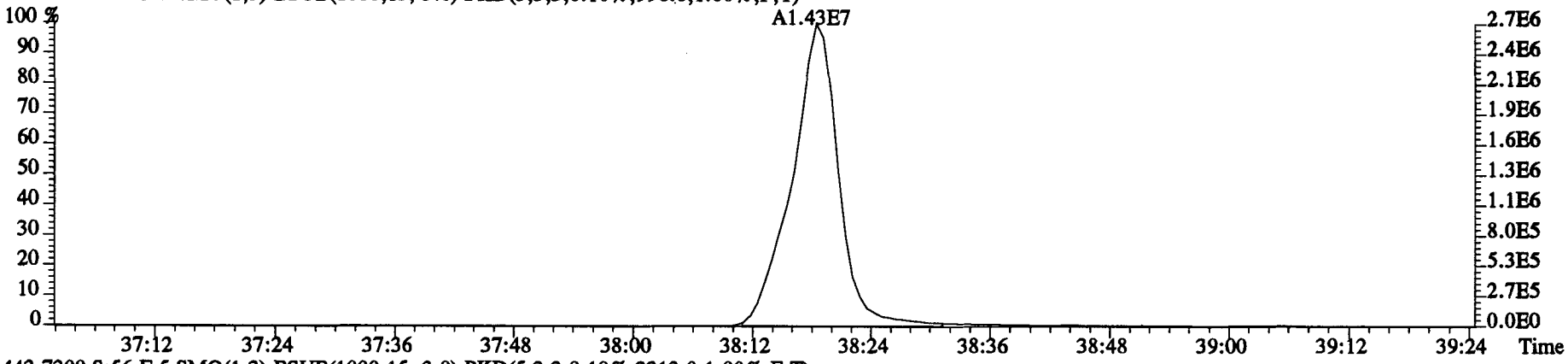
435.8169 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3568.0,1.00%,F,T)



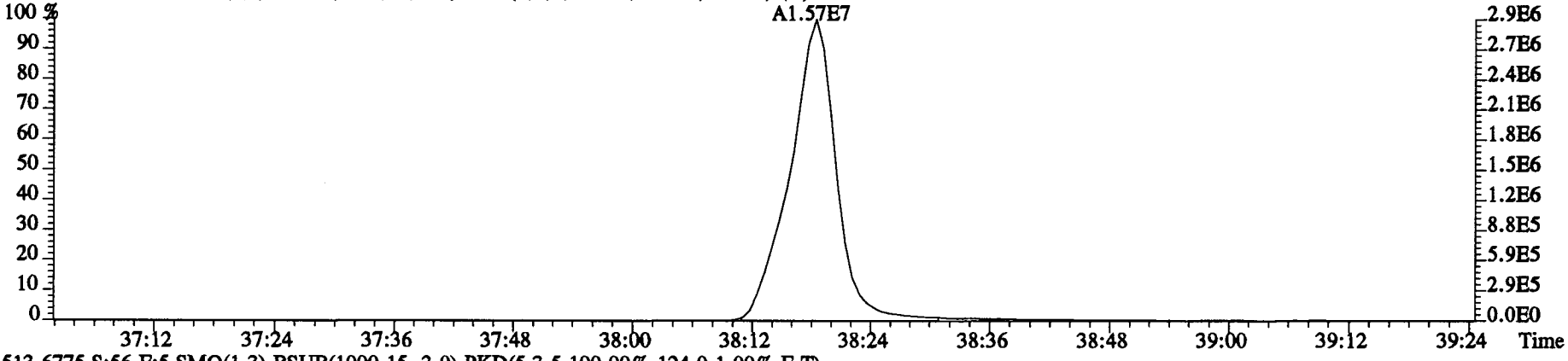
437.8140 S:56 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1048.0,1.00%,F,T)



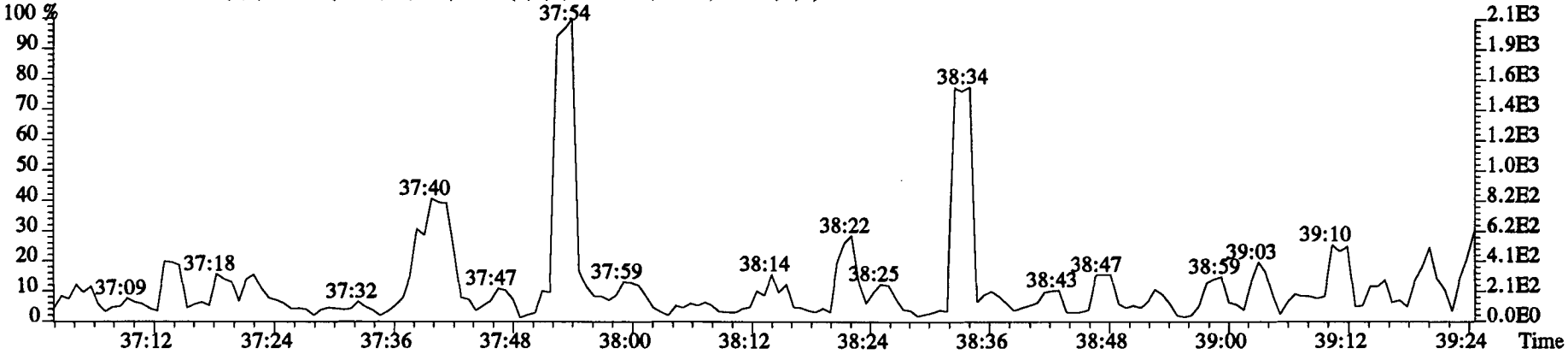
File:30AU104D5 #1-193 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
441.7428 S:56 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,996.0,1.00%,F,T)



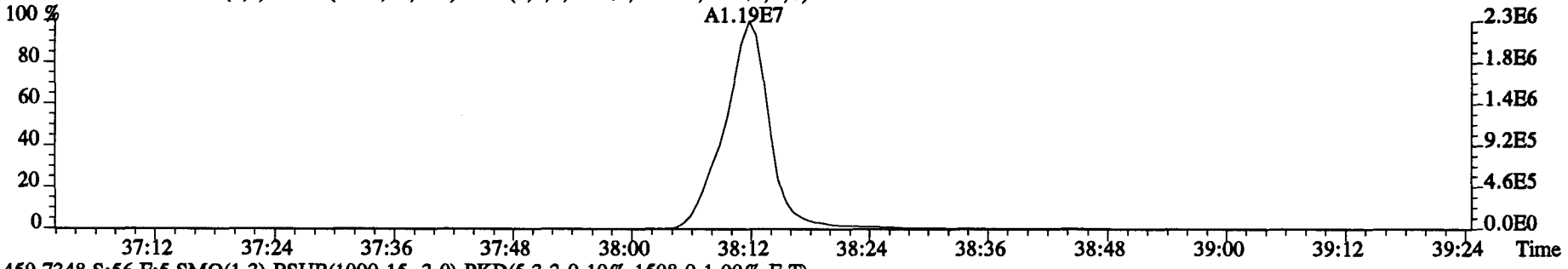
443.7399 S:56 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2312.0,1.00%,F,T)



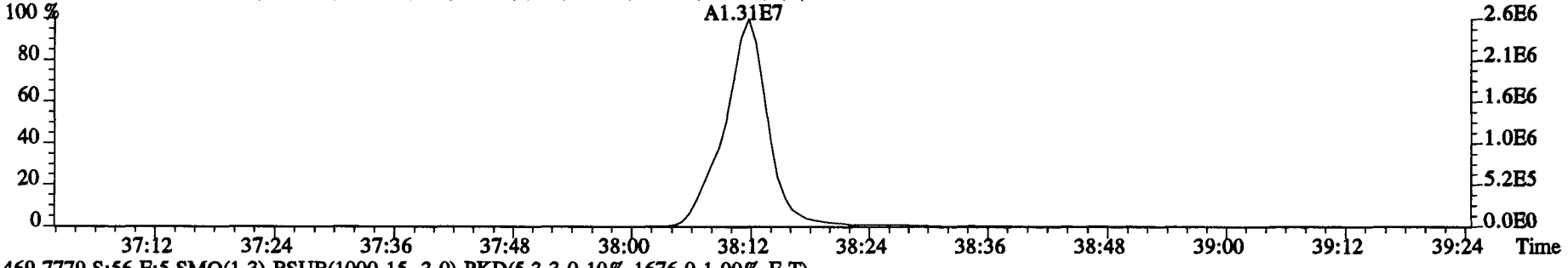
513.6775 S:56 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,124.0,1.00%,F,T)



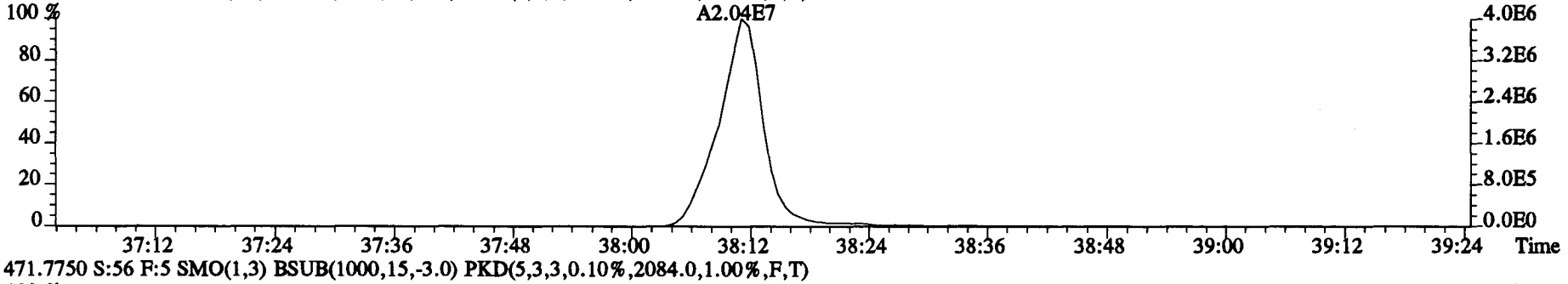
File:30AU104D5 #1-193 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
457.7377 S:56 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1004.0,1.00%,F,T)



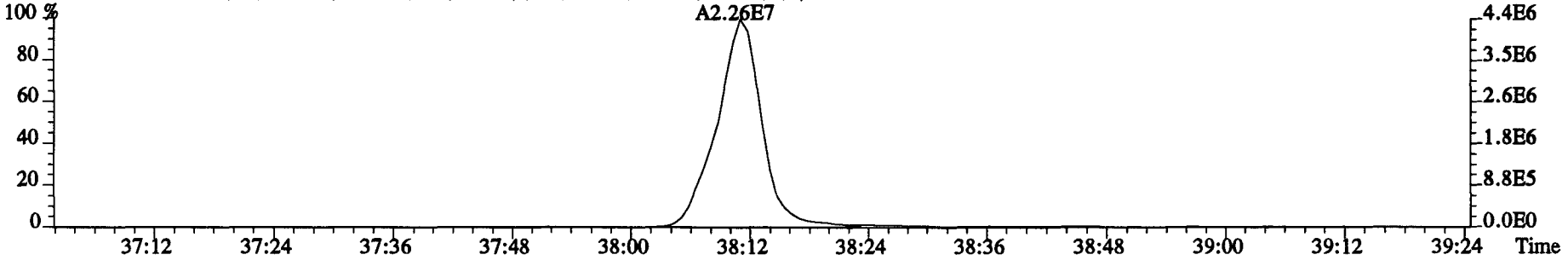
459.7348 S:56 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)



469.7779 S:56 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1676.0,1.00%,F,T)

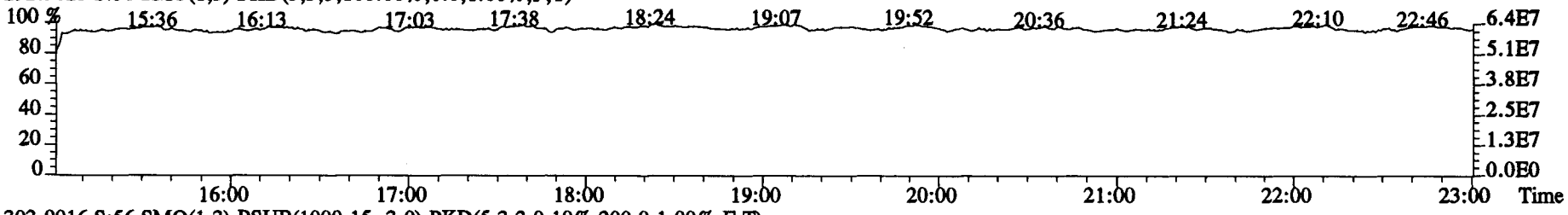


471.7750 S:56 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)

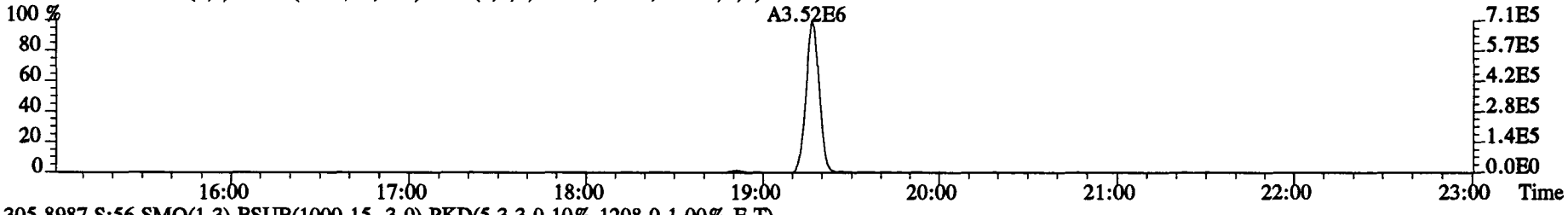


File:30AU104D5 #1-530 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES

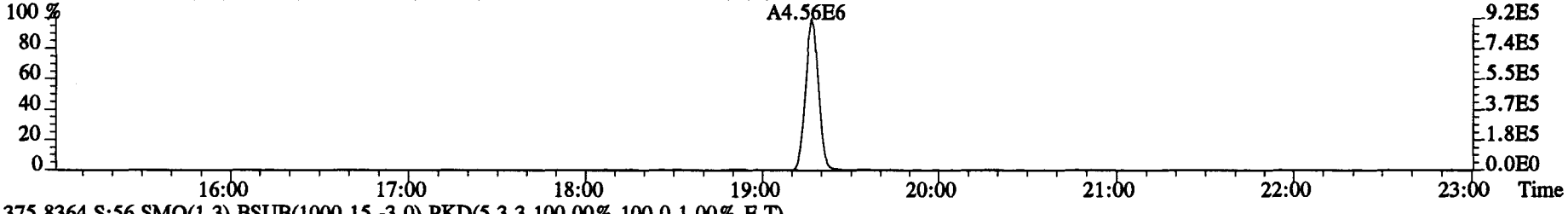
292.9825 S:56 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



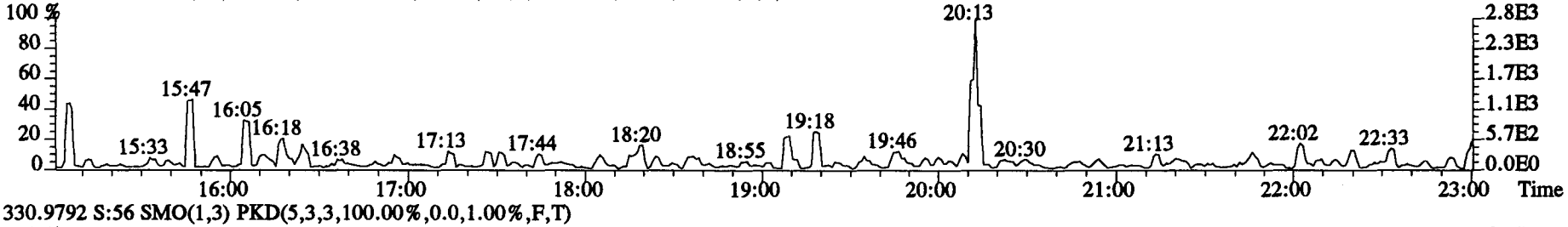
303.9016 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,200.0,1.00%,F,T)



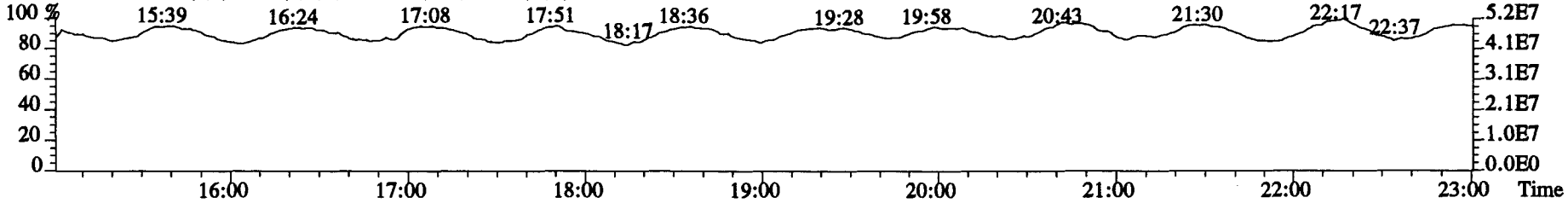
305.8987 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1208.0,1.00%,F,T)



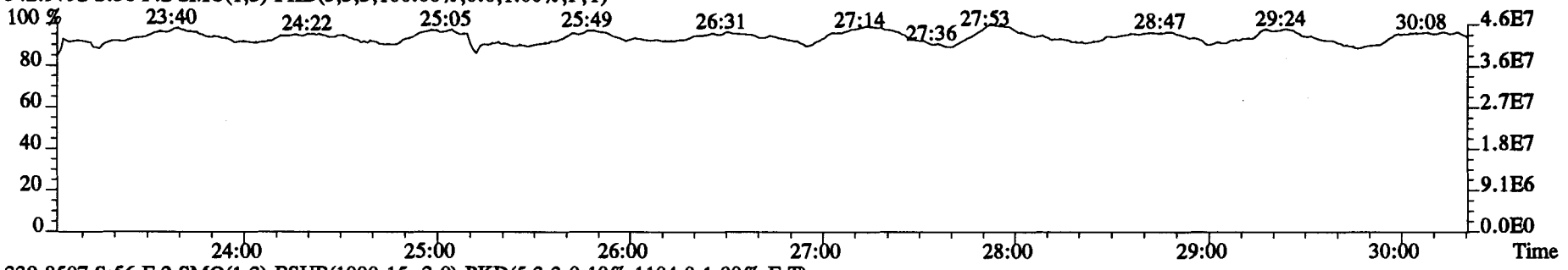
375.8364 S:56 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)



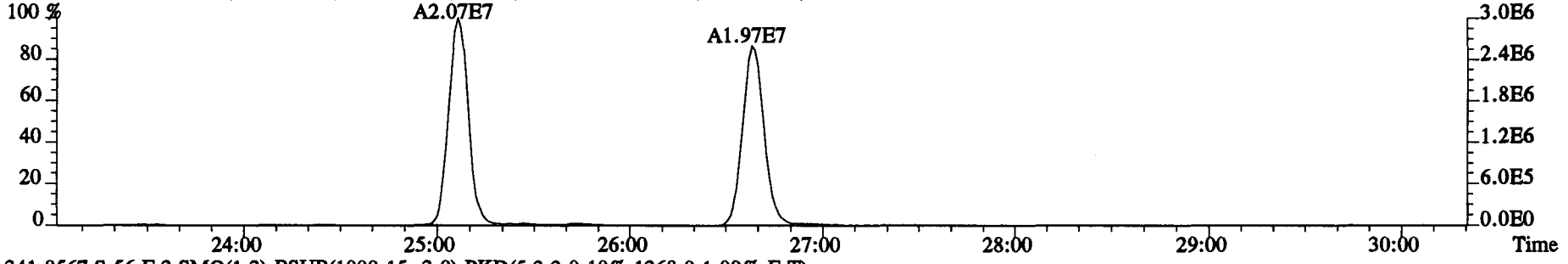
330.9792 S:56 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



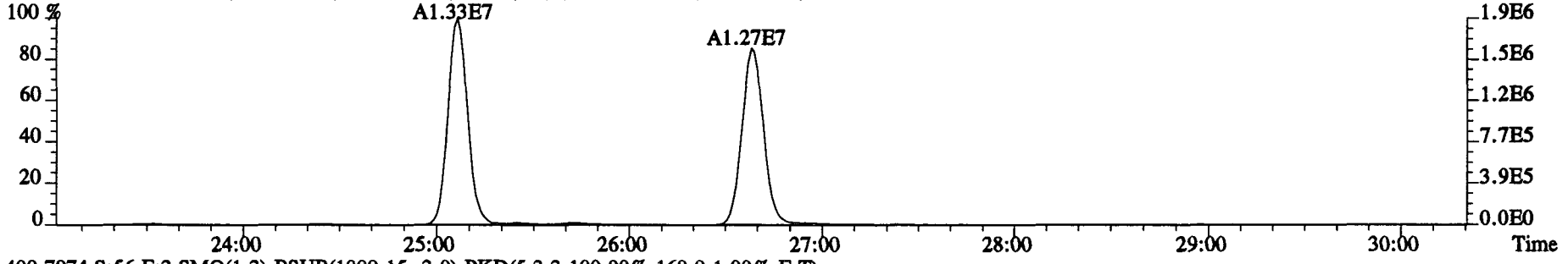
File:30AU104D5 #1-470 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
342.9792 S:56 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



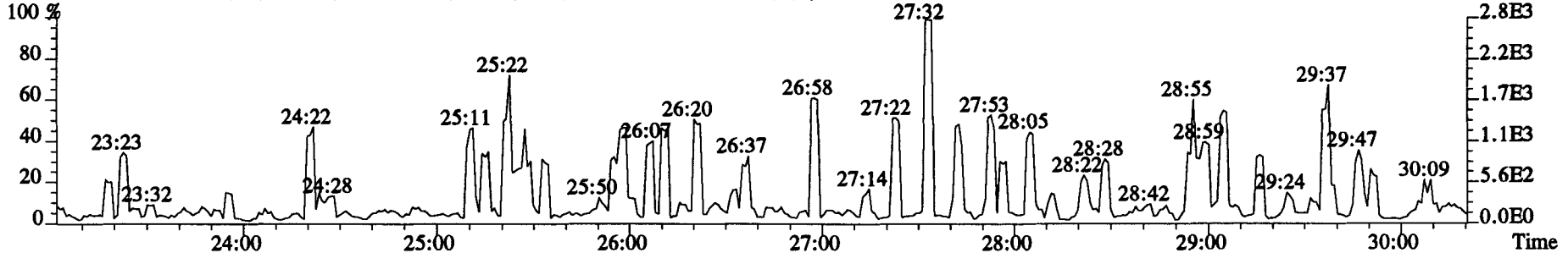
339.8597 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



341.8567 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)

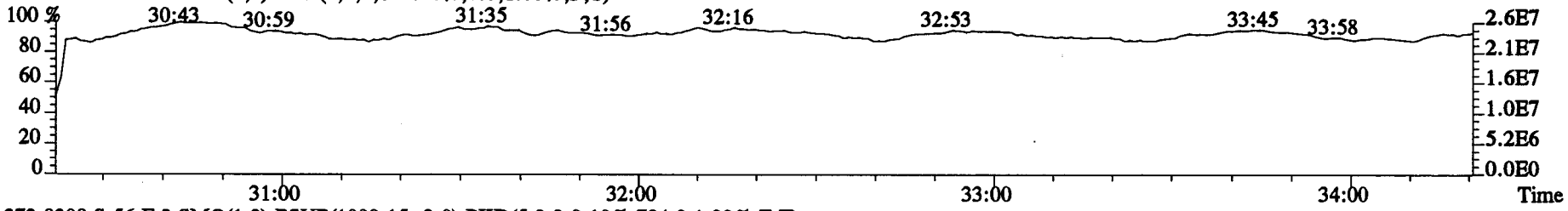


409.7974 S:56 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,160.0,1.00%,F,T)

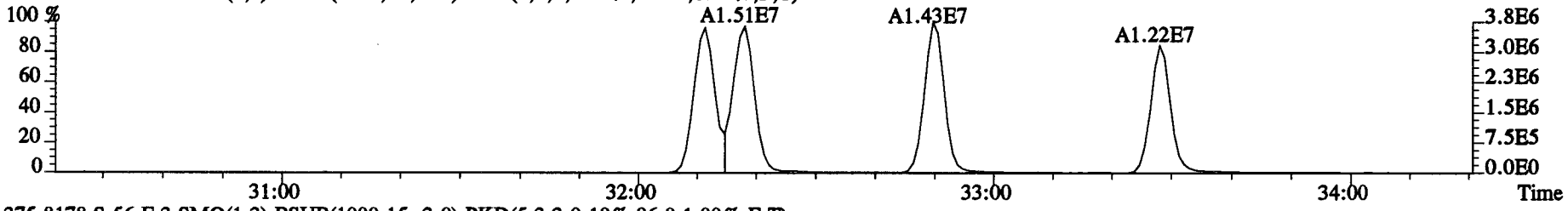


File:30AU104D5 #1-287 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES

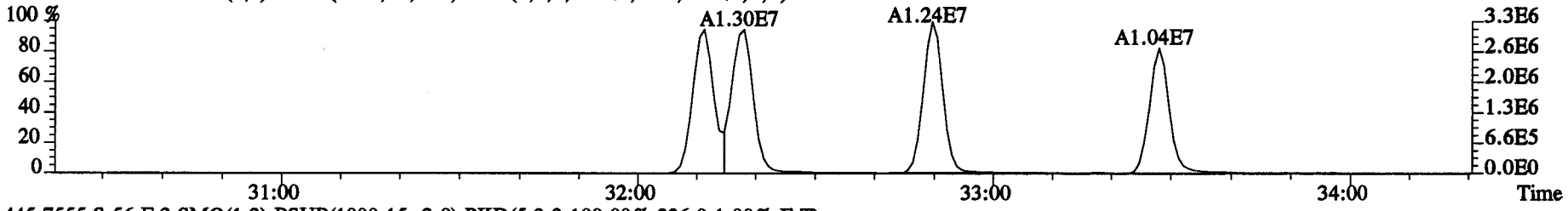
392.9760 S:56 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



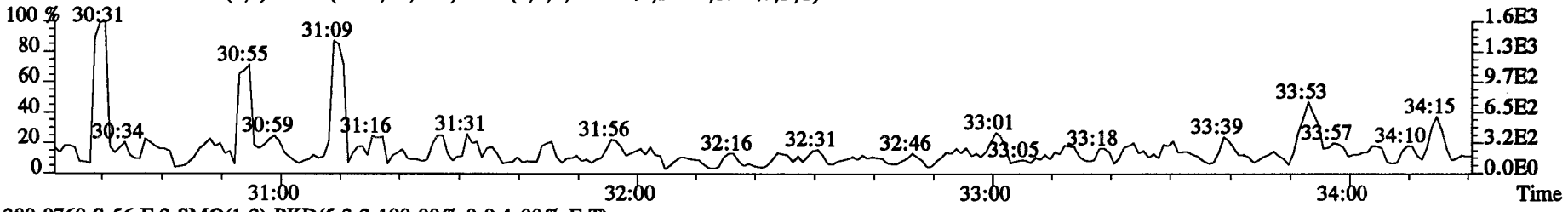
373.8208 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,784.0,1.00%,F,T)



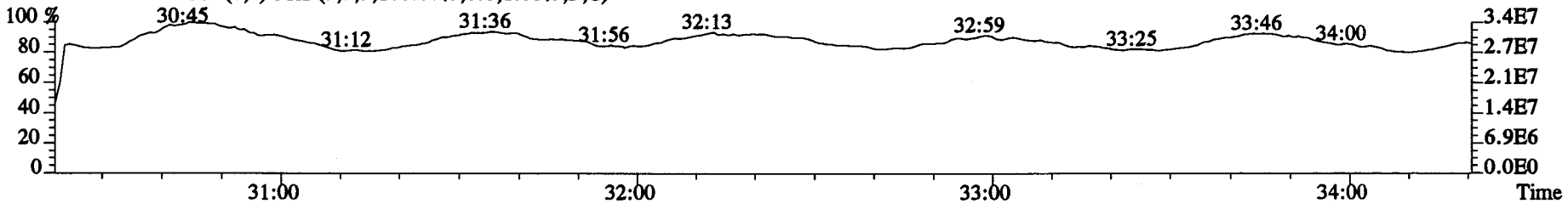
375.8178 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



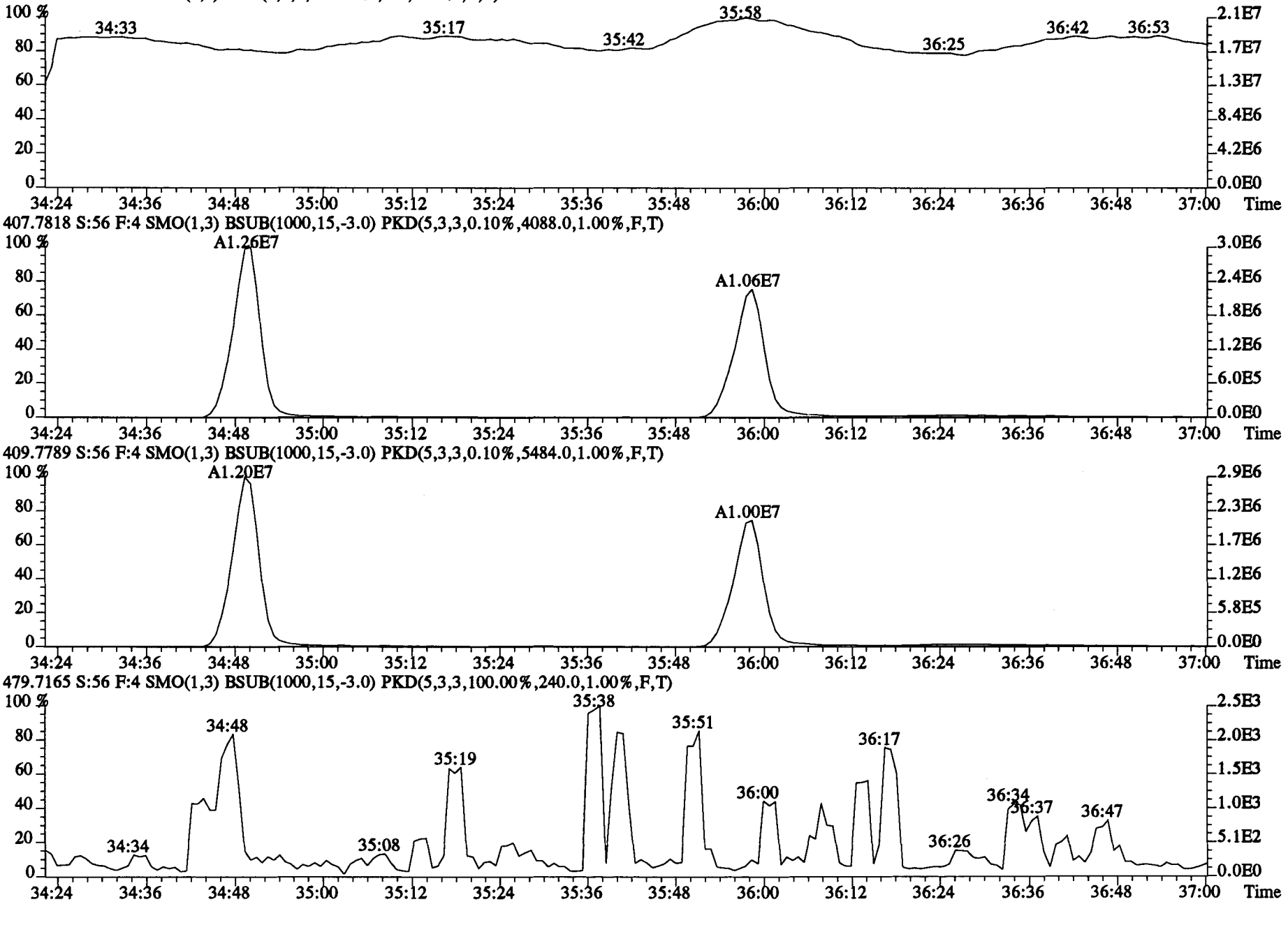
445.7555 S:56 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,236.0,1.00%,F,T)



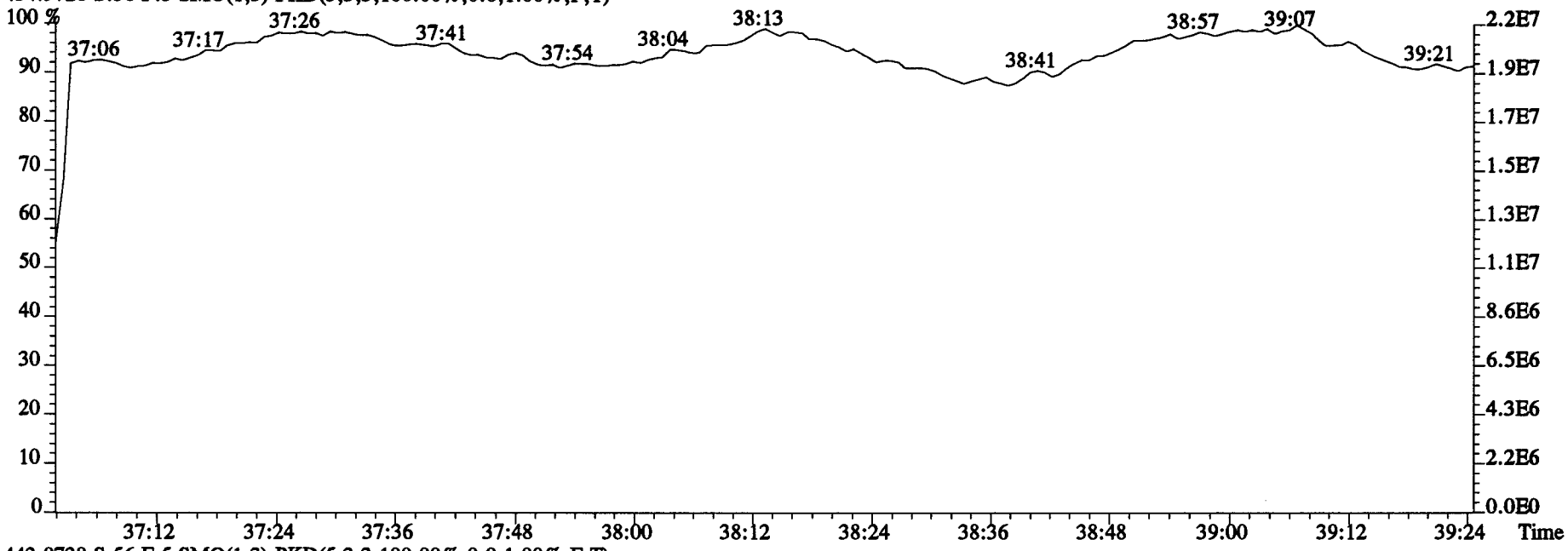
380.9760 S:56 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



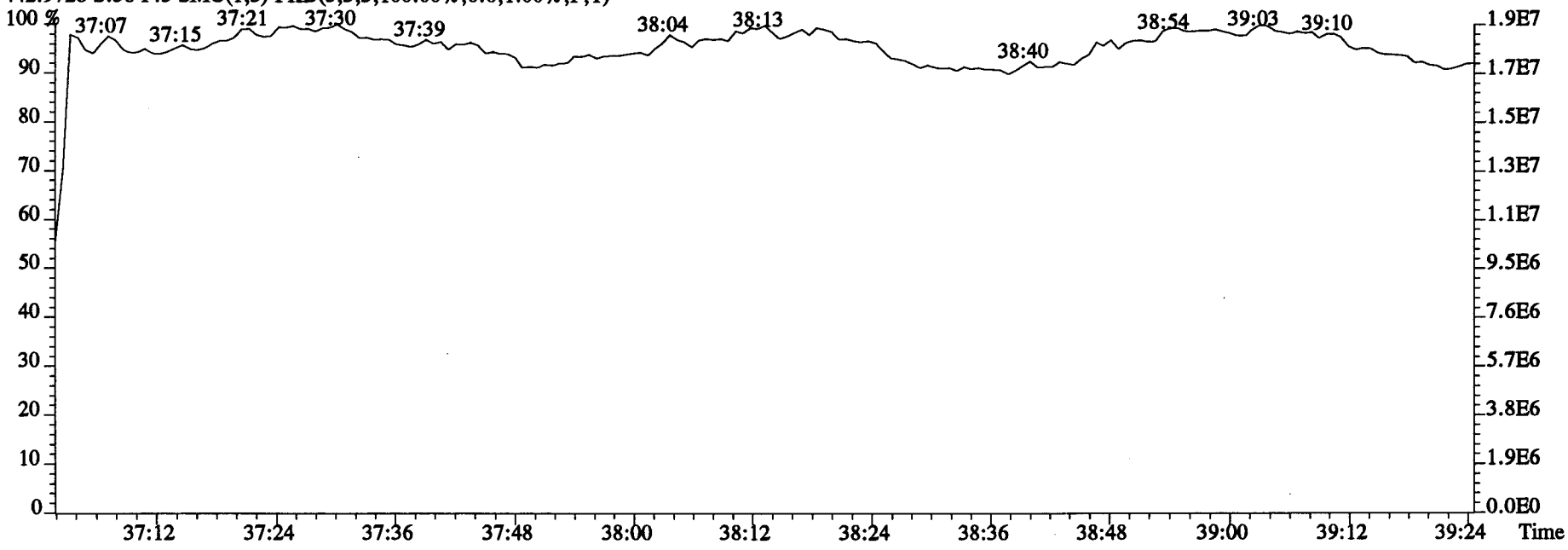
File:30AU104D5 #1-200 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES



File:30AU104D5 #1-193 Acq: 1-SEP-2010 02:36:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#56 Text:L568A-1-AD :G0H260533-1DCS Exp:DIOXINRES
454.9728 S:56 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:56 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1
Run #10 Filename: 30AU104D5 S: 54 I: 1 Results: 30AU104D5TO9
Acquired: 1-SEP-10 01:07:22 Processed: 1-SEP-10 10:53:19
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAM

VA 9.2.6

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	84423656	0.82	y	19:51	-	50.555		-	-	n
13C-2,3,7,8-TCDF	104437428	0.78	y	19:16	1.23	4025.121		1.650	100.6	n
2,3,7,8-TCDF	113814	0.52	n	19:18	0.99	4.383	JQ	1.226	-	n
Total TCDF	523343	0.53	n	16:31	0.99	~~20.155~~	14.99 ✓	1.226	-	n
13C-2,3,7,8-TCDD	76055612	0.80	y	20:04	0.91	3981.547		4.556	99.5	n
2,3,7,8-TCDD	10603	0.19	n	20:06	0.98	~~0.567~~	✓	0.668	-	n
Total TCDD	155774	0.41	n	15:50	0.98	~~8.330~~	1.33 ✓	~~0.668~~	-	n
37Cl-2,3,7,8-TCDD	66565468	1.00	y	20:05	1.33	2640.045		2.242	165.0	n
13C-1,2,3,7,8-PeCDF	76671244	1.59	y	25:05	0.88	4146.671		4.049	103.7	n
1,2,3,7,8-PeCDF	30689	1.21	n	25:05	1.08	~~1.487~~		1.707	-	n
2,3,4,7,8-PeCDF	31325	2.02	n	26:36	1.05	~~1.563~~	✓	1.758	-	n
Total F2 PeCDF	183657	1.73	y	23:30	1.06	~~9.031~~		~~1.732~~	-	n
Total F1 PeCDF	85370	1.89	n	16:37	1.06	4.197	7.52 ✓	2.016	-	n
13C-1,2,3,7,8-PeCDD	49752702	1.59	y	27:27	0.66	3567.190		0.210	89.2	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*		5.051	-	n
Total PeCDD	34396	1.33	y	23:43	0.93	~~2.988~~		5.051	-	n
13C-1,2,3,7,8,9-HxCDD	51828794	1.28	y	33:17	-	43.775		-	-	n
13C-1,2,3,4,7,8-HxCDF	54590936	0.51	y	32:11	1.04	4032.570		0.336	100.8	n
1,2,3,4,7,8-HxCDF	88328	1.06	y	32:11	1.22	5.317	J	2.754	-	n
1,2,3,6,7,8-HxCDF	28015	0.90	n	32:18	1.28	~~1.602~~		2.616	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.23	*		2.718	-	n
1,2,3,7,8,9-HxCDF	17047	1.73	n	33:27	1.10	~~1.137~~	✓	~~3.053~~	-	n
Total HxCDF	475896	1.15	y	30:54	1.21	~~28.838~~	17.24 ✓	2.776	-	n
13C-1,2,3,6,7,8-HxCDD	40790356	1.30	y	33:01	0.83	3789.262		1.889	94.7	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.04	*		3.766	-	n
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	1.16	*		3.359	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.18	*	✓	3.305	-	n
Total HxCDD	*	*	n	NotFnd	1.13	*	3.77 DL	~~3.465~~	-	n
13C-1,2,3,4,6,7,8-HpCDF	43237801	0.46	y	34:49	0.91	3666.911		14.069	91.7	n
1,2,3,4,6,7,8-HpCDF	165254	1.96	n	34:47	1.35	11.360	JQ	1.789	-	n
1,2,3,4,7,8,9-HpCDF	38503	1.89	n	35:58	1.09	3.258	JQ ✓	2.201	-	n
Total HpCDF	272686	1.96	n	34:47	1.22	~~19.846~~	18.35 ✓	~~1.974~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	39638748	1.06	y	35:38	0.83	3700.925		8.106	92.5	n
1,2,3,4,6,7,8-HpCDD	91804	0.81	n	35:38	1.07	8.644	JQ ✓	2.722	-	n
Total HpCDD	224860	4.80	n	34:49	1.07	~~21.173~~	18.51 ✓	~~2.722~~	-	n
13C-OCDD	54102320	0.92	y	38:12	0.62	6735.725		13.950	84.2	n
OCDF	440528	0.88	y	38:19	1.37	47.537	J	2.408	-	n
OCDD	466816	0.78	y	38:12	1.20	57.555	J	4.883	-	n

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:15
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	10.08 of which	2.19 named and	7.89	unnamed
Conc:	20.15 of which	4.38 named and	15.77	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:31	0.53	n	0.88	9958	3.2	y	n
						18738	3.3	y	n
	2	16:54	1.03	n	0.47	7138	2.6	n	n
						6954	1.1	n	n
	3	17:23	0.64	n	2.77	31263	6.0	y	n
						49221	7.7	y	n
	4	17:39	0.70	y	2.70	28768	4.7	y	n
						41233	5.7	y	n
	5	17:56	0.72	y	0.67	7278	2.6	n	n
						10069	2.5	n	n
	6	18:15	0.99	n	1.99	28939	7.8	y	n
						29251	4.9	y	n
	7	18:33	0.83	y	1.30	15316	4.1	y	n
						18542	3.0	n	n
	8	18:39	2.27	n	0.78	25828	7.9	y	n
						11377	2.4	n	n
	9	18:51	0.47	n	1.85	20857	5.8	y	n
						44551	7.8	y	n
	10	19:06	1.56	n	0.51	11595	3.4	y	n
						7443	1.8	n	n
2,3,7,8-TCDF	11	19:18	0.59	n	4.38	49512	9.6	y	n
						84163	11.9	y	n
	12	19:40	0.59	n	0.53	5944	2.1	n	n
						10084	2.4	n	n
	13	19:47	1.11	n	0.81	13098	3.1	y	n
						11812	2.5	n	n
	14	20:14	0.48	n	0.31	3459	1.0	n	n
						7175	1.6	n	n
	15	21:03	1.93	n	0.22	6227	1.3	n	n
						3225	0.9	n	n

14.99

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:20
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	4.17 of which	0.28 named and	3.88	unnamed	
Conc:	8.33 of which	0.57 named and	7.76	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:50	0.41	n	0.33	2712	6.8	y	n
						6672	1.8	n	n
	2	16:32	0.19	n	0.07	591	1.3	n	n
						3135	1.4	n	n
	3	17:23	0.50	n	0.29	2322	7.3	y	n
						4655	1.4	n	n
	4	17:32	1.00	n	0.71	7524	16.1	y	n
						7513	3.4	y	n
	5	17:38	0.51	n	0.38	3092	10.7	y	n
						6120	2.9	n	n
	6	17:43	1.21	n	0.37	4689	17.8	y	n
						3862	1.2	n	n
	7	17:52	0.55	n	1.33	10812	28.8	y	n
						19649	5.2	y	n
	8	18:18	0.18	n	0.23	1906	6.0	y	n
						10426	3.8	y	n
	9	18:43	1.94	n	0.40	8200	18.0	y	n
						4229	1.8	n	n
	10	18:56	1.62	n	0.33	5699	11.3	y	n
						3519	1.8	n	n
	11	19:05	1.61	n	0.36	6173	17.9	y	n
						3823	1.0	n	n
	12	19:46	1.15	n	0.51	6188	12.1	y	n
						5404	2.6	n	n
	13	19:57	0.49	n	0.35	2867	8.7	y	n
						5840	2.1	n	n
2,3,7,8-TCDD	14	20:06	0.19	n	0.57	4613	10.9	y	n
						24010	8.9	y	n
	15	20:13	0.29	n	0.29	2340	5.9	y	n
						8084	3.1	y	n
	16	20:20	0.74	y	0.31	2490	6.9	y	n

						3368	1.2	n	n
	17	20:28	2.01	n	0.38	8174	26.7	y	n
						4059	1.9	n	n
	18	20:36	1.06	n	0.40	4433	11.1	y	n
						4179	1.1	n	n
	19	22:35	0.24	n	0.25	1993	3.4	y	n
						8242	3.2	y	n
	20	22:42	0.95	n	0.47	4703	10.0	y	n
						4932	1.6	n	n

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	4.52	of which	1.53	named and	2.99 unnamed
Conc:	9.03	of which	3.05	named and	5.98 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:30	1.73	y	5.19	66931	21.6	y	n
						38696	4.0	y	n
	2	24:22	0.37	n	0.30	3728	2.4	n	n
						10176	1.3	n	n
	3	24:55	0.69	n	0.49	6007	2.8	n	n
						8668	1.7	n	n
1,2,3,7,8-PeCDF	4	25:05	1.21	n	1.49	18654	10.2	y	n
						15416	2.0	n	n
2,3,4,7,8-PeCDF	5	26:36	2.02	n	1.56	24813	9.1	y	n
						12284	1.5	n	n

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	2.10 of which	* named and	2.10	unnamed	
Conc:	4.20 of which	* named and	4.20	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:37	1.89	n	0.64	9620	2.3	n	n
						5094	1.2	n	n
	2	19:40	0.64	n	0.28	3448	1.7	n	n
						5407	0.8	n	n
	3	19:46	1.19	n	0.52	6412	2.5	n	n
						5407	0.8	n	n
	4	21:42	1.35	y	2.37	27691	7.4	y	n
						20548	3.7	y	n
	5	22:24	0.59	n	0.39	4814	2.3	n	n
						8176	2.0	n	n

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:1
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	1.49 of which	* named and	1.49	unnamed	
Conc:	2.99 of which	* named and	2.99	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:43	1.33	y	2.99	19618	2.5	n	n
						14778	2.0	n	n

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:9
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	14.42 of which	4.03 named and	10.39	unnamed	
Conc:	28.84 of which	8.06 named and	20.78	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:54	1.15	y	3.01	26509	3.7	y	n
						23040	2.8	n	n
	2	31:08	1.11	y	5.13	44428	5.7	y	n
						40042	3.8	y	n
	3	31:43	1.43	n	0.97	10200	1.7	n	n
						7110	1.0	n	n
1,2,3,4,7,8-HxCDF	4	32:11	1.06	y	5.32	45363	7.6	y	n
						42965	5.1	y	n
1,2,3,6,7,8-HxCDF	5	32:18	0.90	n	1.60	15508	2.9	n	n
						17187	2.1	n	n
	6	32:25	2.26	n	0.72	11991	2.1	n	n
						5309	0.9	n	n
	7	32:39	0.93	n	3.78	34503	4.6	y	n
						36916	3.1	y	n
1,2,3,7,8,9-HxCDF	8	33:27	1.73	n	1.14	13163	1.9	n	n
						7610	1.2	n	n
	9	33:47	1.73	n	7.18	91636	5.8	y	n
						52831	3.5	y	n

12.24

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Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:0
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	* of which		* named and	*	unnamed
Conc:	* of which		* named and	*	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	NotF	*	n	*	*	*	n	n
						*	*	n	n

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

Amount:	9.92 of which	7.31 named and	2.61 unnamed
Conc:	19.85 of which	14.62 named and	5.23 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:47	1.96	n	11.36	158848	24.2	y	n
						81007	25.5	y	n
	2	35:00	2.08	n	1.50	20090	3.7	y	n
						9679	4.3	y	n
	3	35:08	0.77	n	3.73	25074	4.5	y	n
						32717	10.3	y	n
1,2,3,4,7,8,9-HpCDF	4	35:58	1.89	n	3.26	35678	5.1	y	n
						18874	6.2	y	n

18.95 LEDL

Run Text: L563K-1-AA Sample text: L563K-1-AA :G0H260533-1

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:5
Run: 10 File: 30AU104D5 S:54 Acq: 1-SEP-10 01:07:22
Tables: Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D

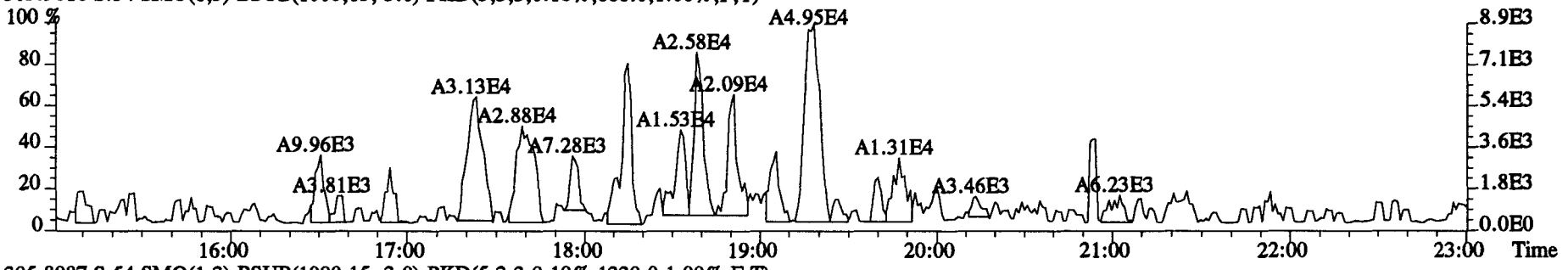
Amount:	10.59 of which	4.32 named and	6.26 unnamed
Conc:	21.17 of which	8.64 named and	12.53 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	34:49	4.80	n	0.98	24461	5.2	y	n
						5094	1.1	n	n
	2	35:04	0.88	n	9.87	53447	10.7	y	n
						60492	14.5	y	n
1,2,3,4,6,7,8-HpCDD	3	35:38	0.81	n	8.64	46802	8.4	y	n
						58004	10.9	y	n
	4	35:48	0.50	n	0.53	2862	0.6	n	n
						5717	1.4	n	n
	5	35:58	1.46	n	1.15	8751	2.2	n	n
						5986	2.1	n	n

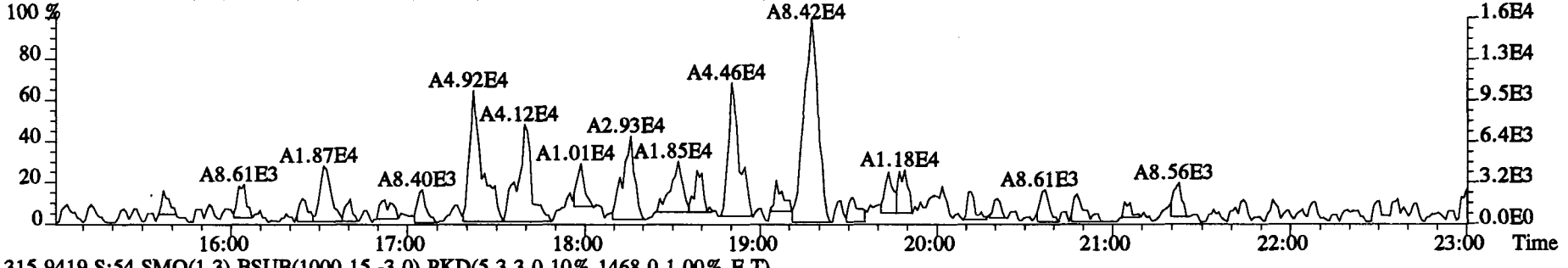
18.97

File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

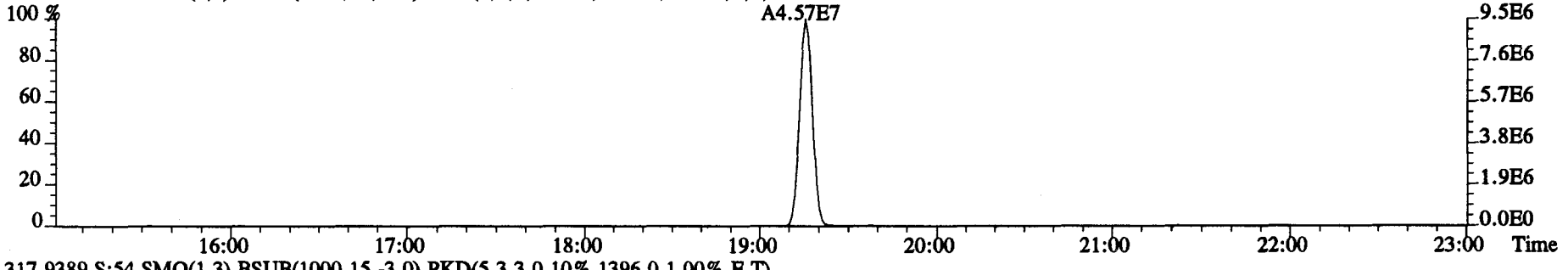
303.9016 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,888.0,1.00%,F,T)



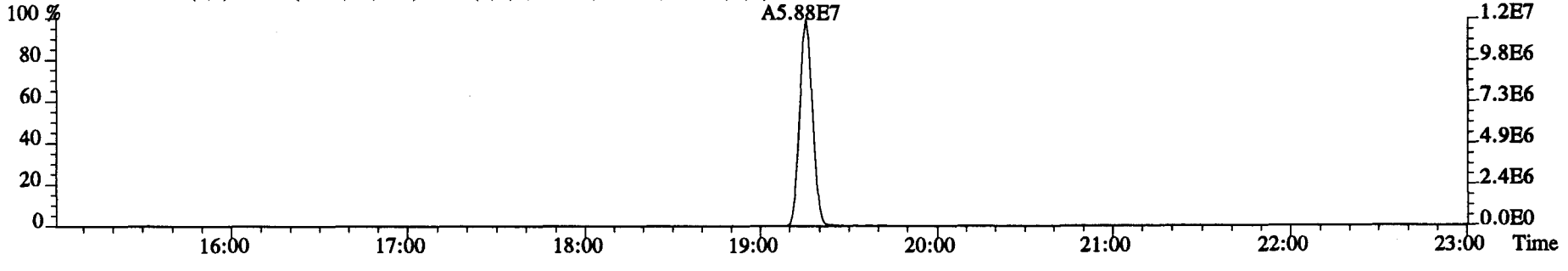
305.8987 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)



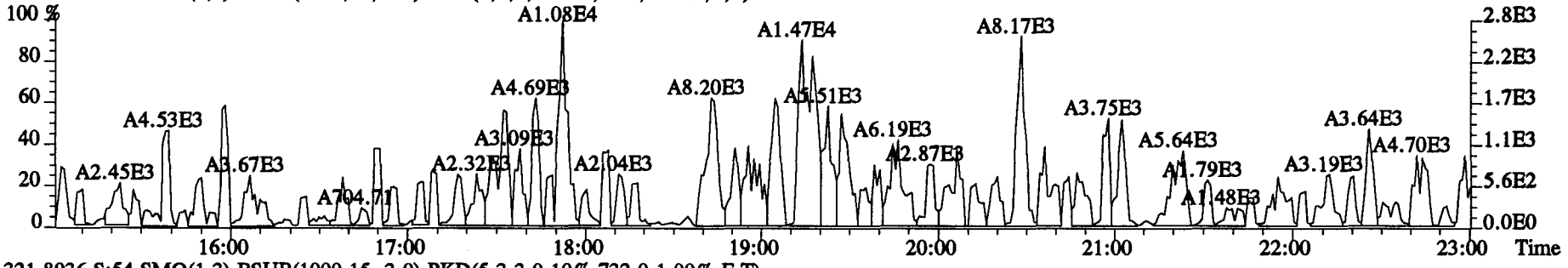
315.9419 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1468.0,1.00%,F,T)



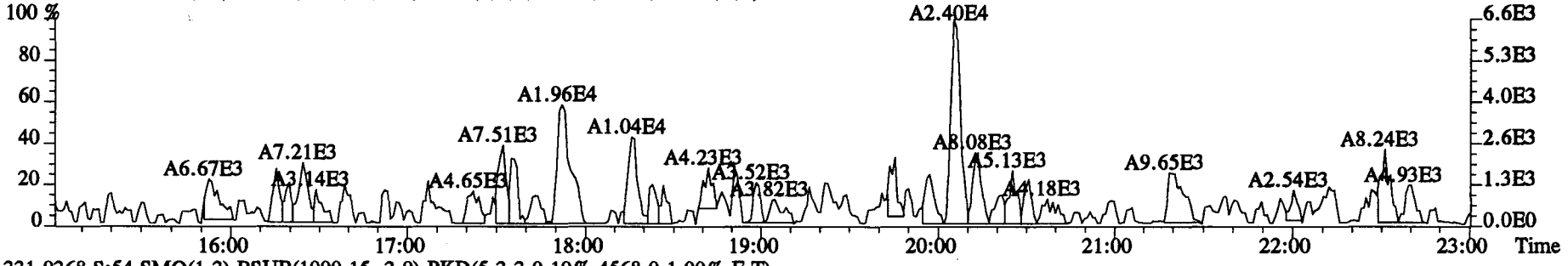
317.9389 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1396.0,1.00%,F,T)



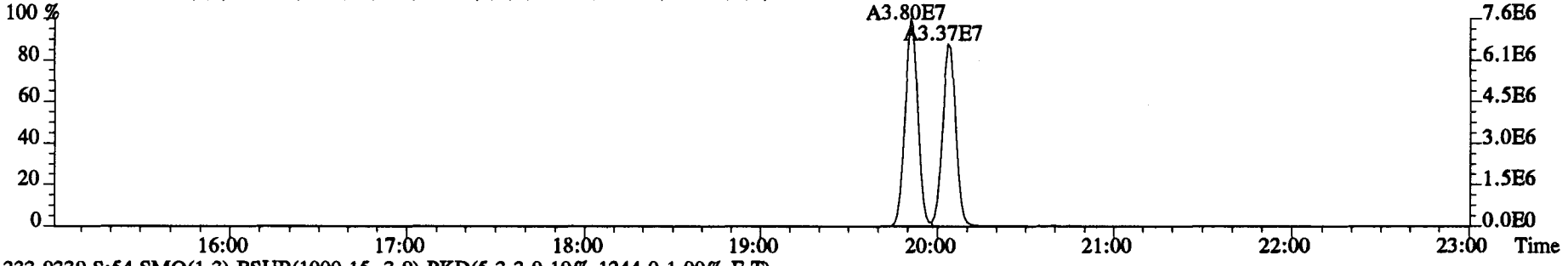
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES
319.8965 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



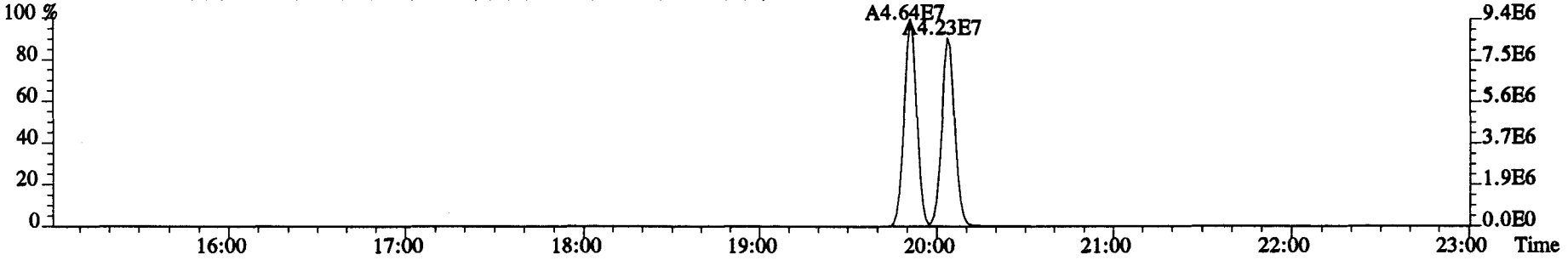
321.8936 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



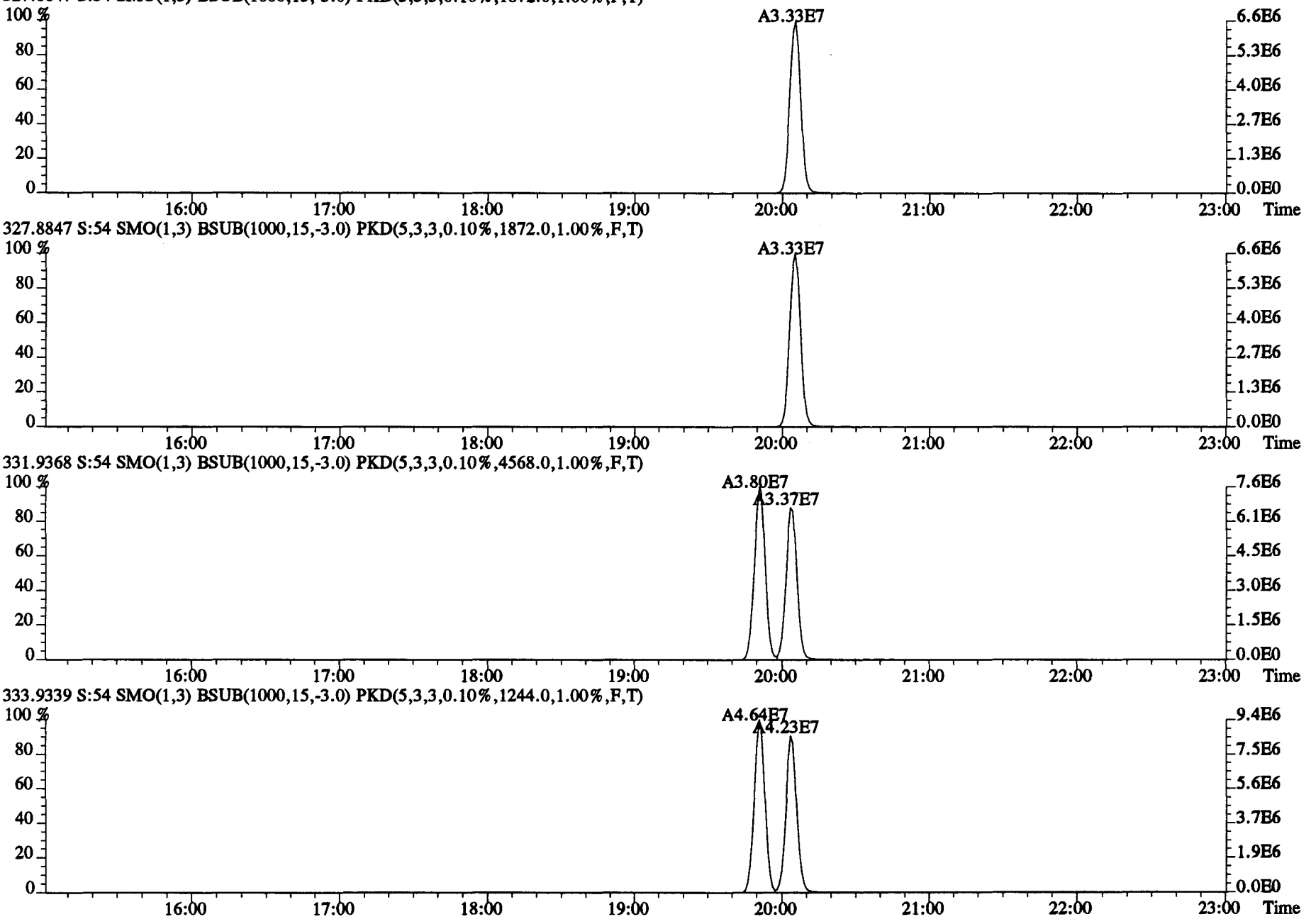
331.9368 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568.0,1.00%,F,T)



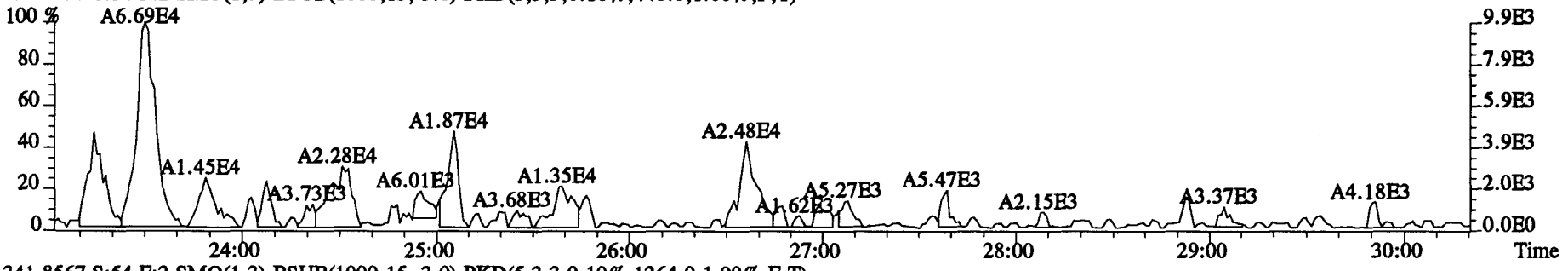
333.9339 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1244.0,1.00%,F,T)



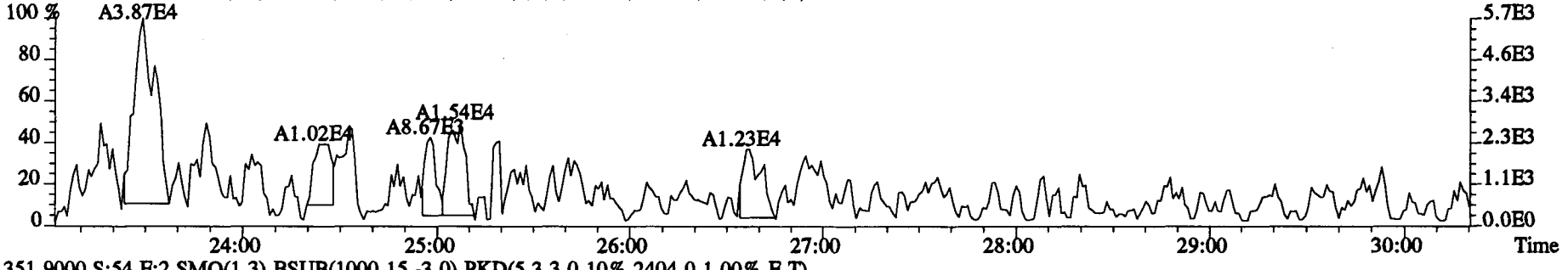
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES



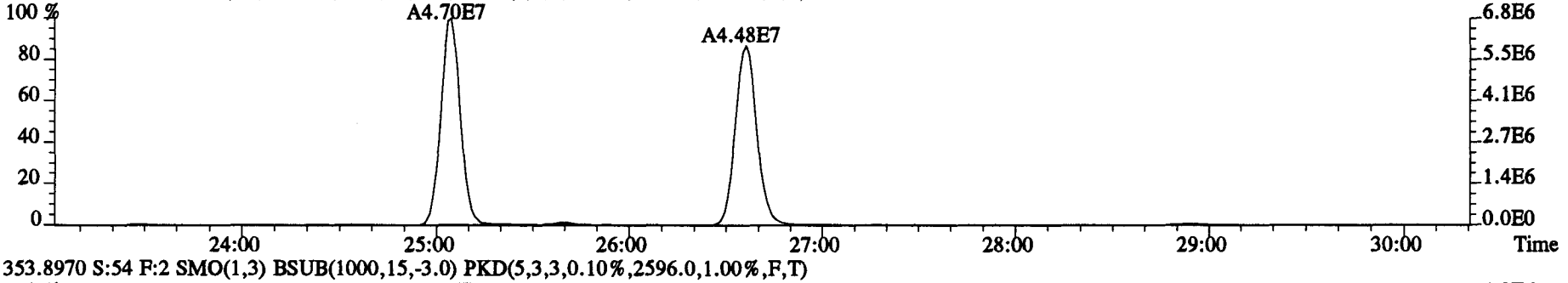
File:30AU104D5 #1-470 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES
339.8597 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,448.0,1.00%,F,T)



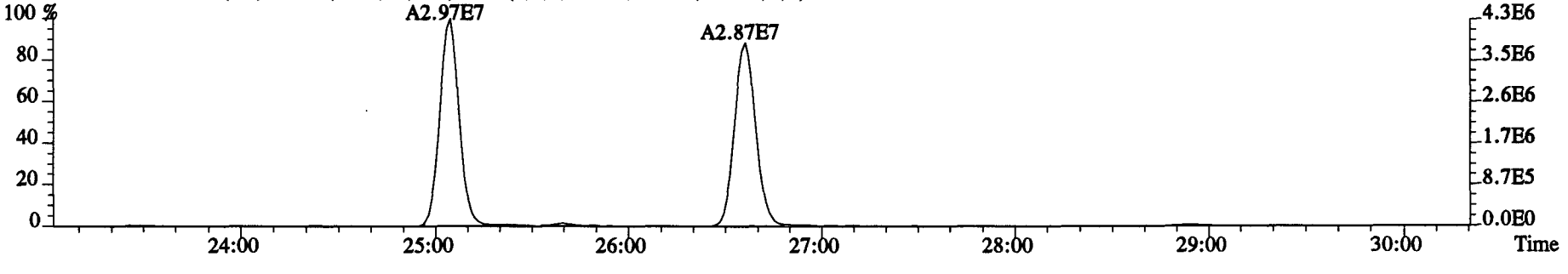
341.8567 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1264.0,1.00%,F,T)



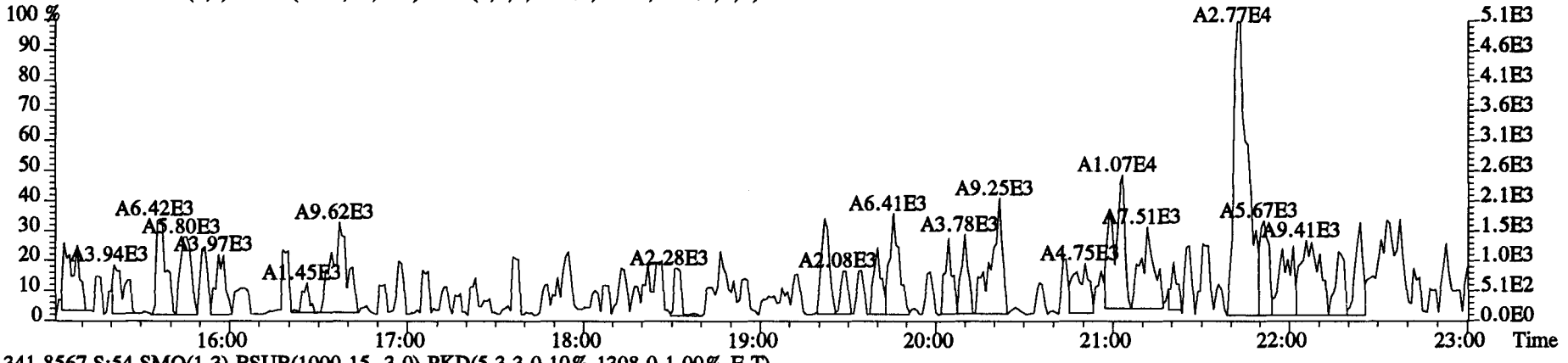
351.9000 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



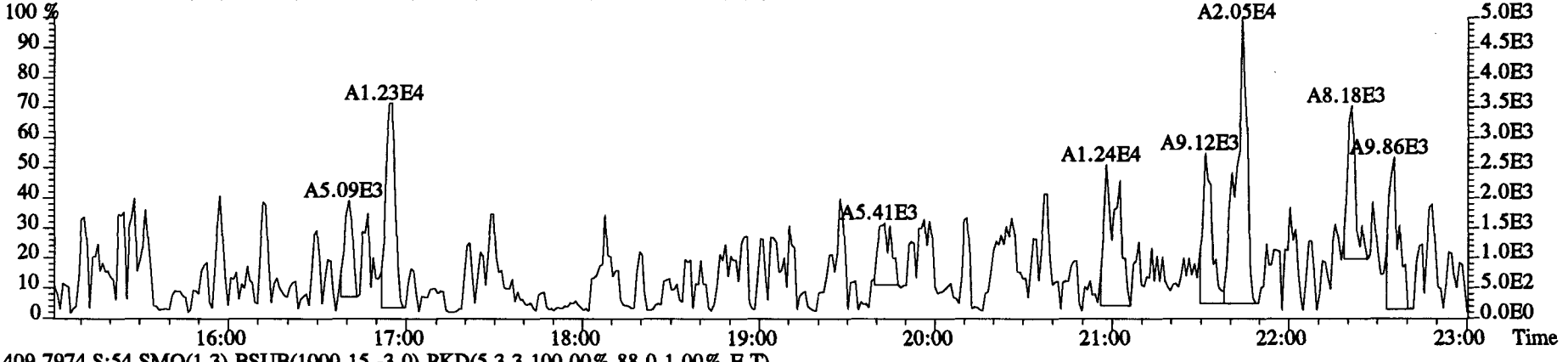
353.8970 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2596.0,1.00%,F,T)



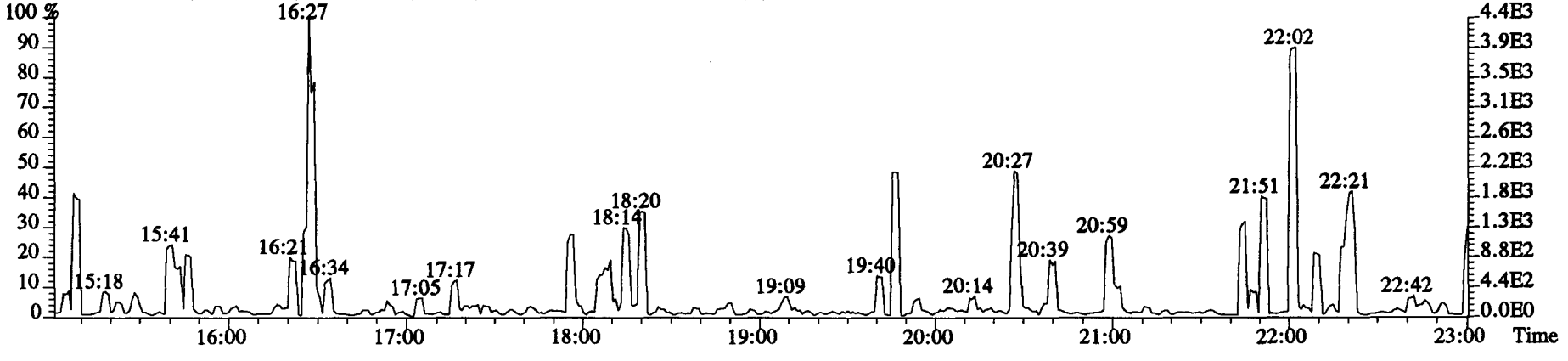
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES
339.8597 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,684.0,1.00%,F,T)



341.8567 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308.0,1.00%,F,T)

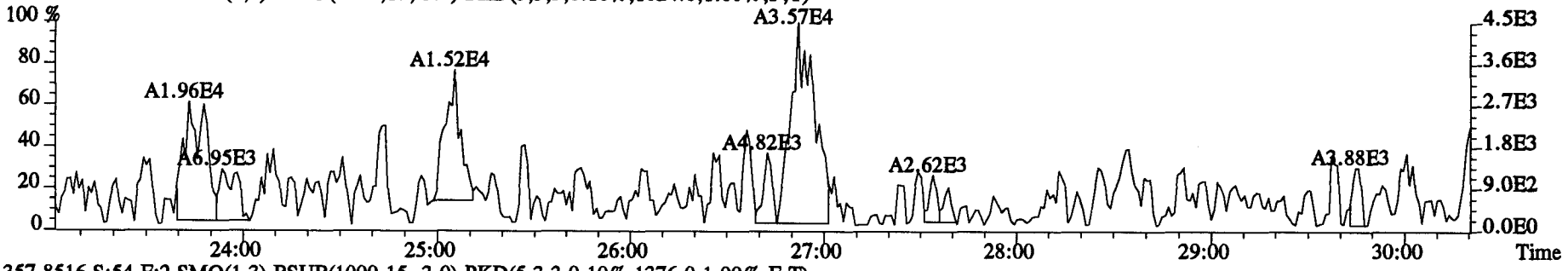


409.7974 S:54 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,88.0,1.00%,F,T)

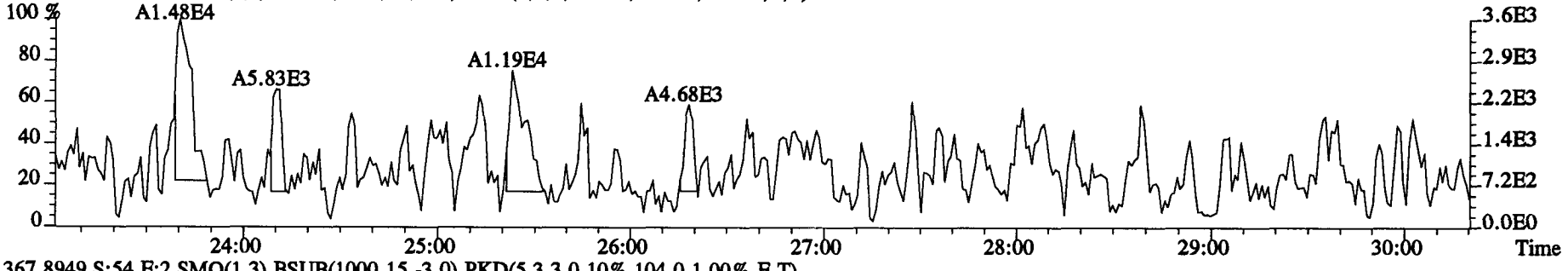


File:30AU104D5 #1-470 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

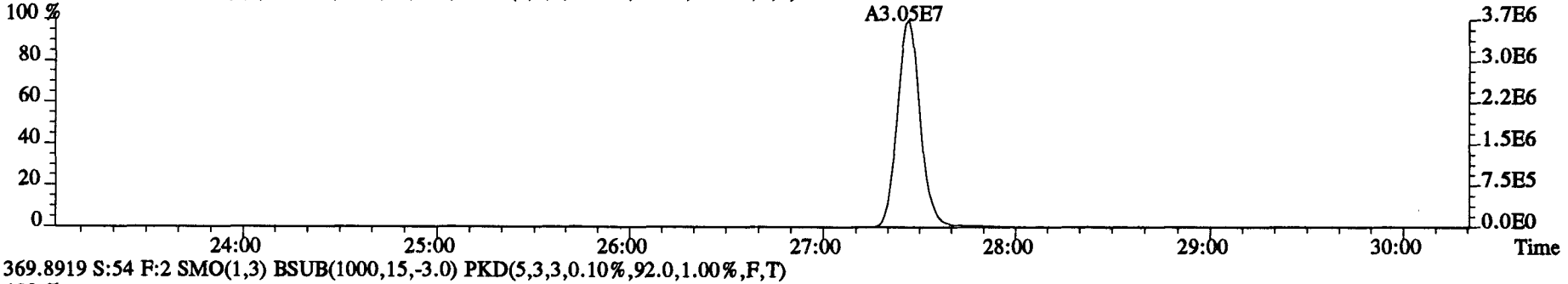
355.8546 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)



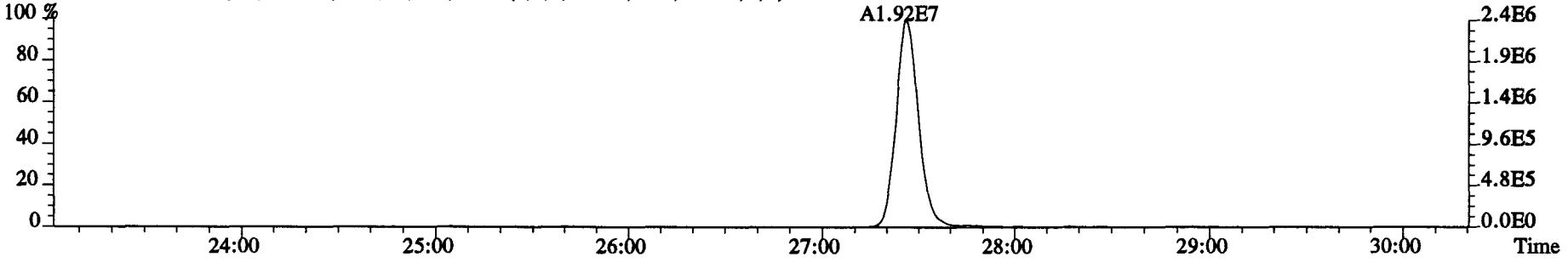
357.8516 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1376.0,1.00%,F,T)



367.8949 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)

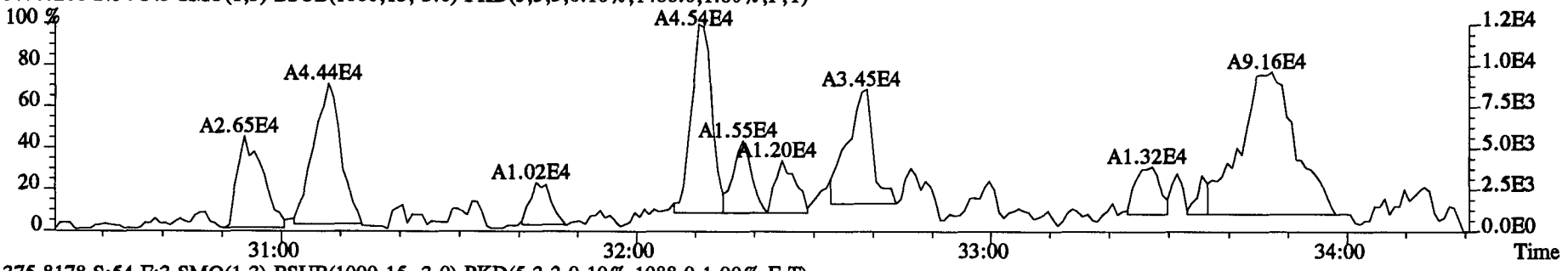


369.8919 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)

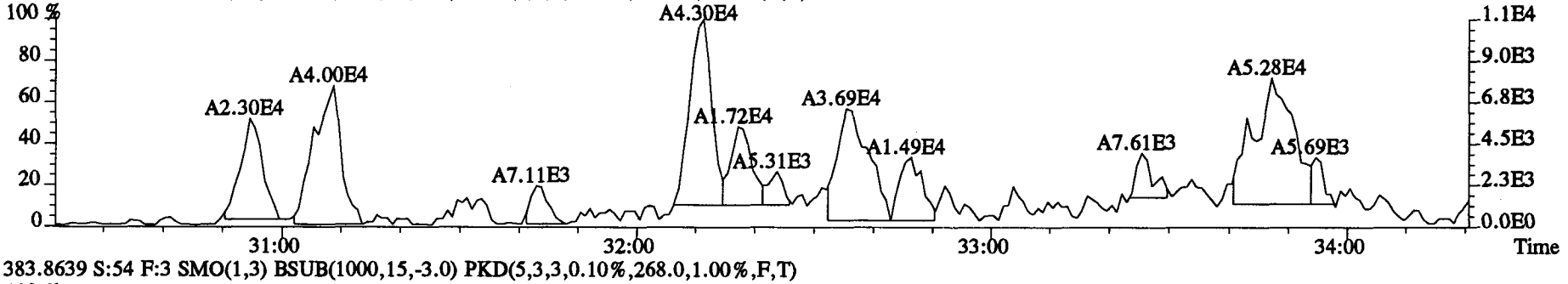


File:30AU104D5 #1-287 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

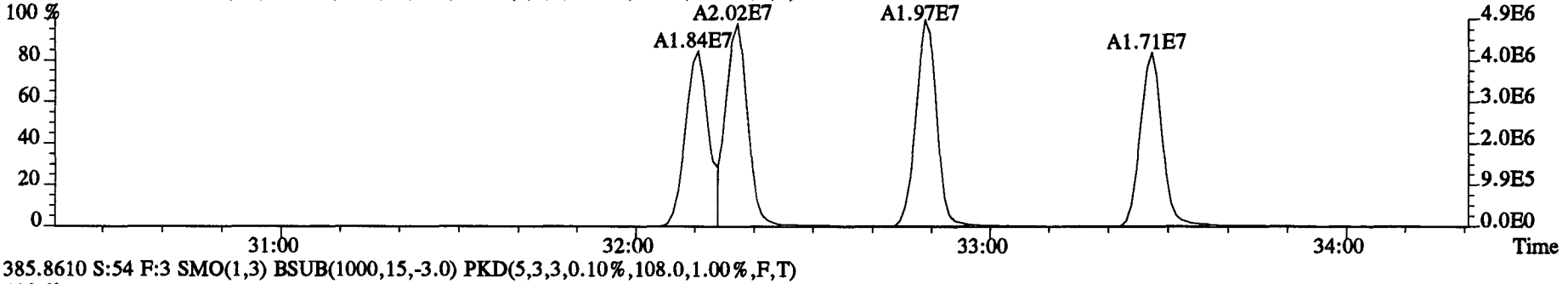
373.8208 S:54 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1488.0,1.00%,F,T)



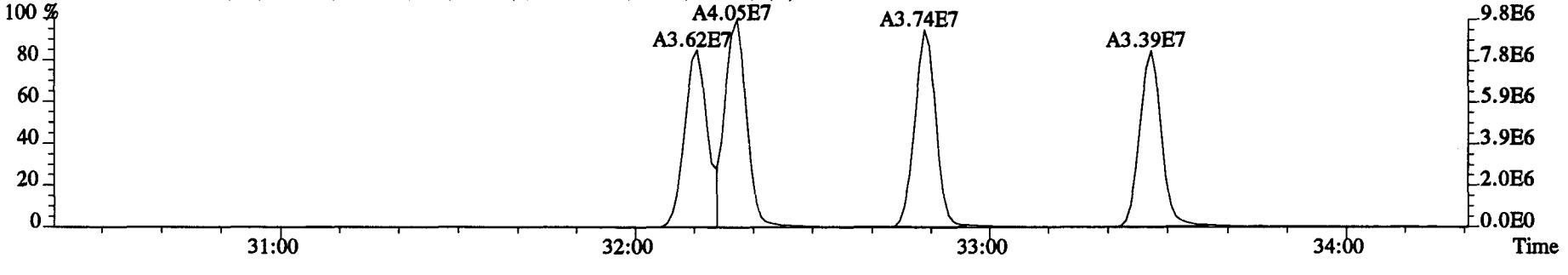
375.8178 S:54 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1988.0,1.00%,F,T)



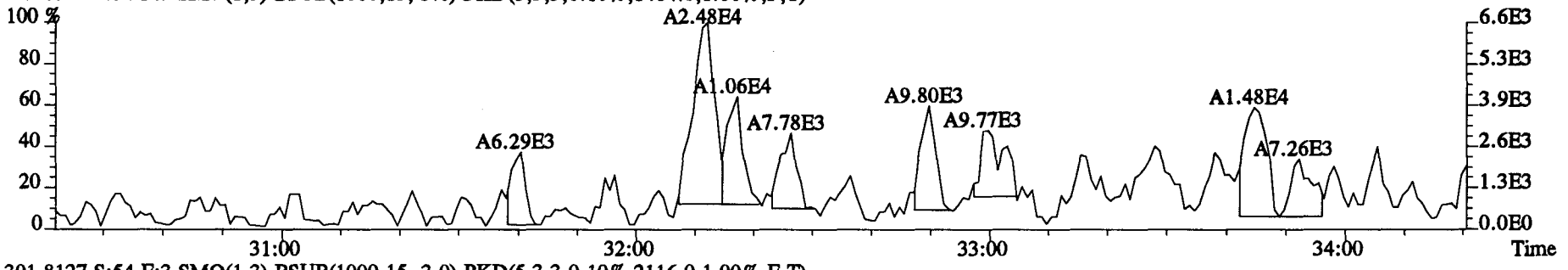
383.8639 S:54 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,268.0,1.00%,F,T)

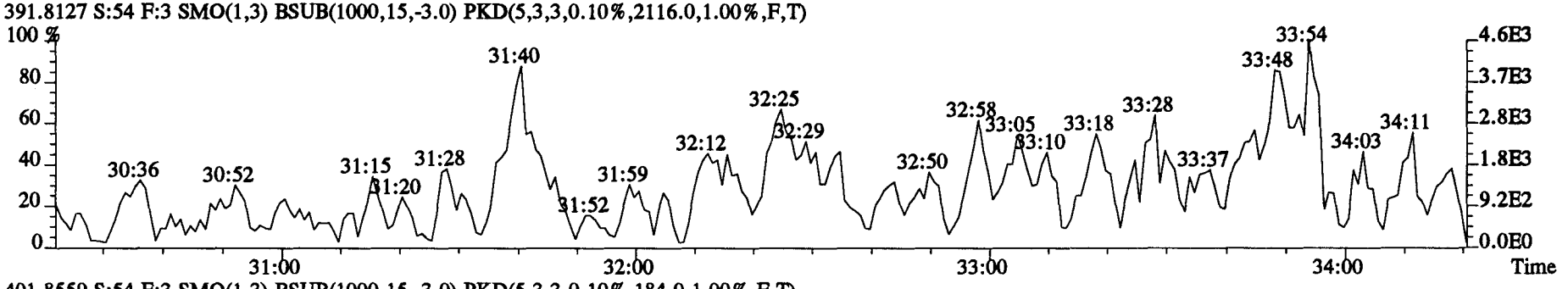


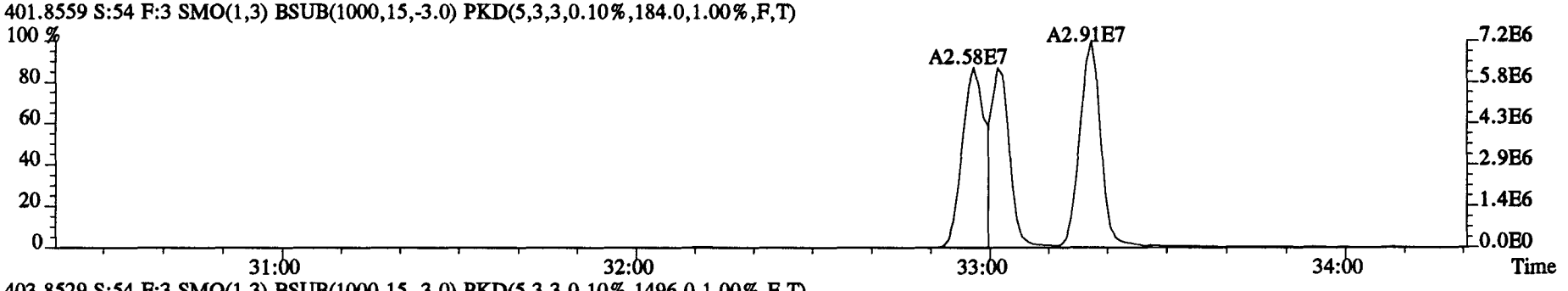
385.8610 S:54 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)

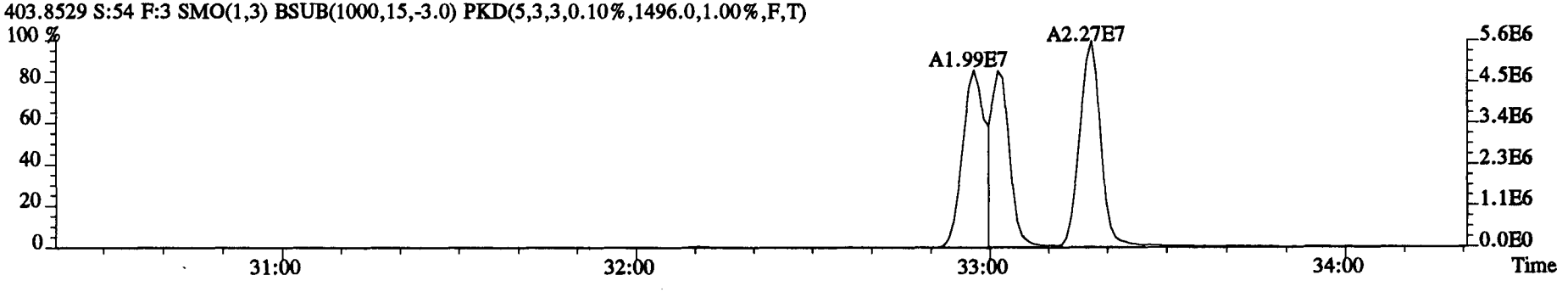


File:30AU104D5 #1-287 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

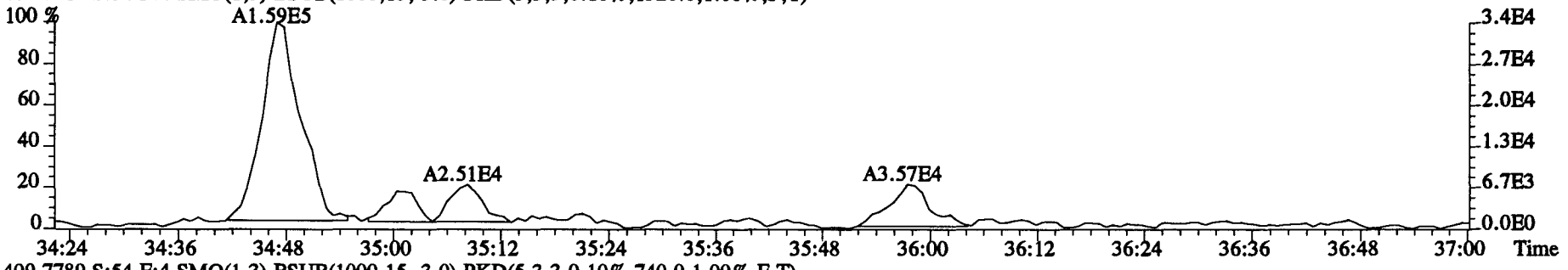


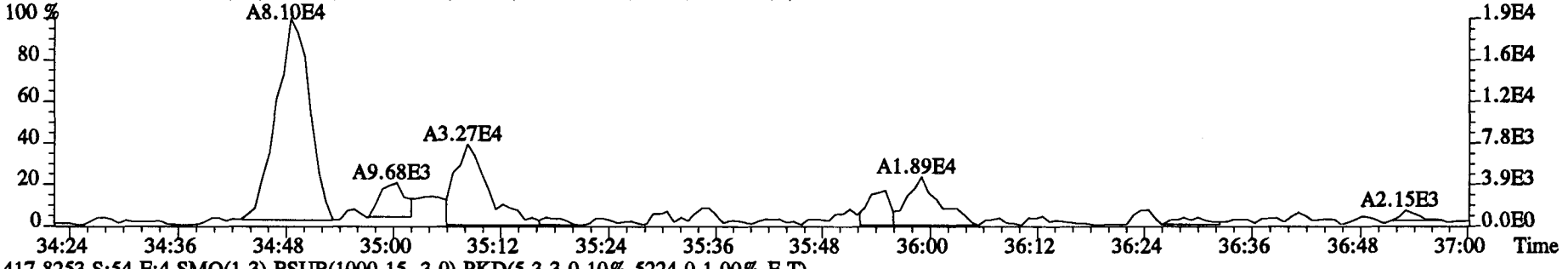


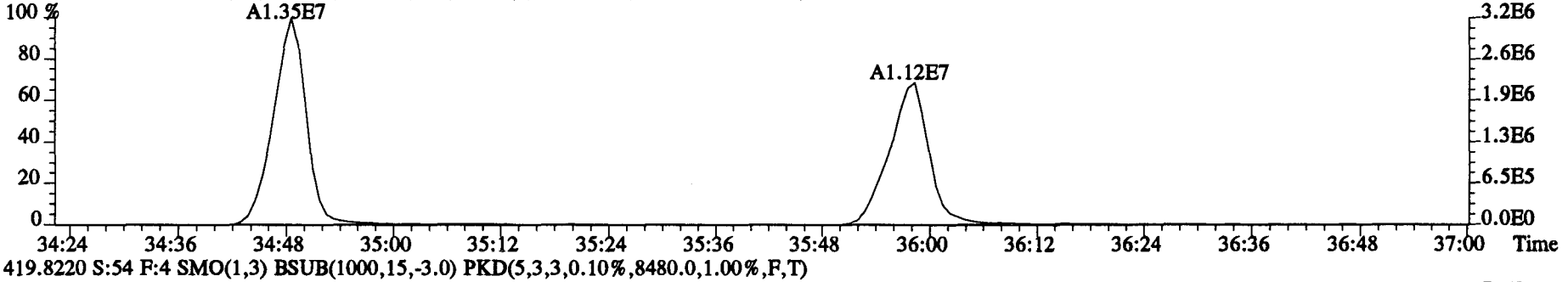


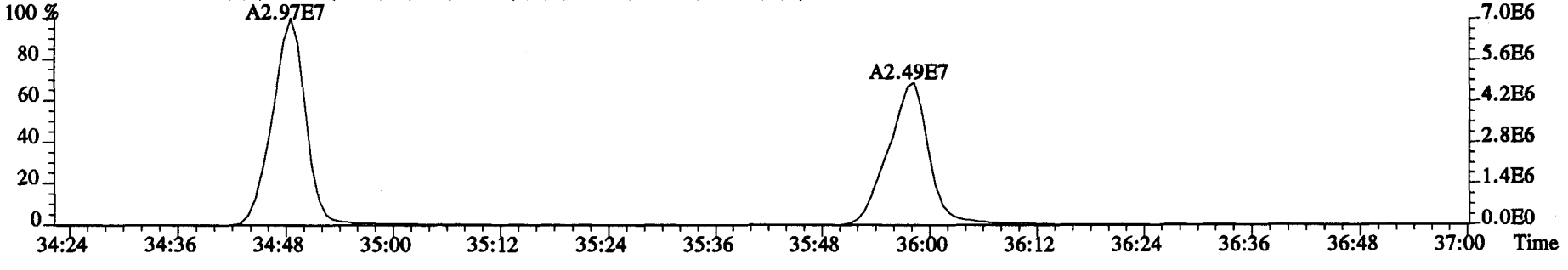


File:30AU104D5 #1-200 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

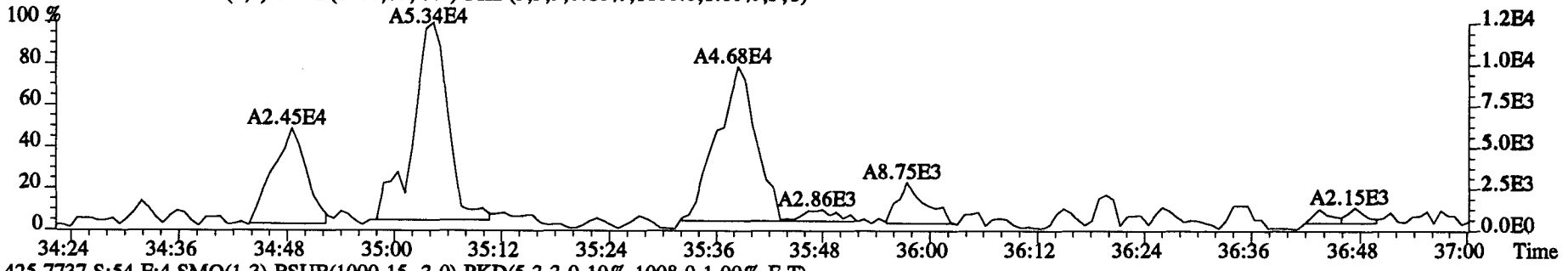


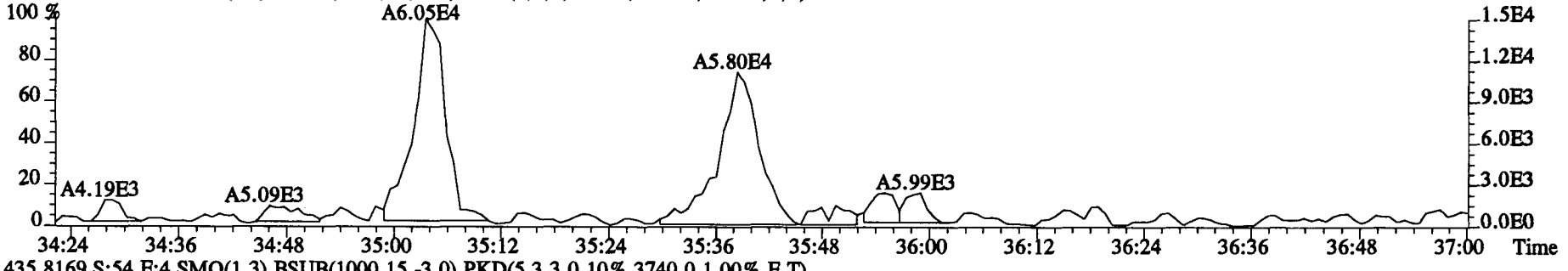


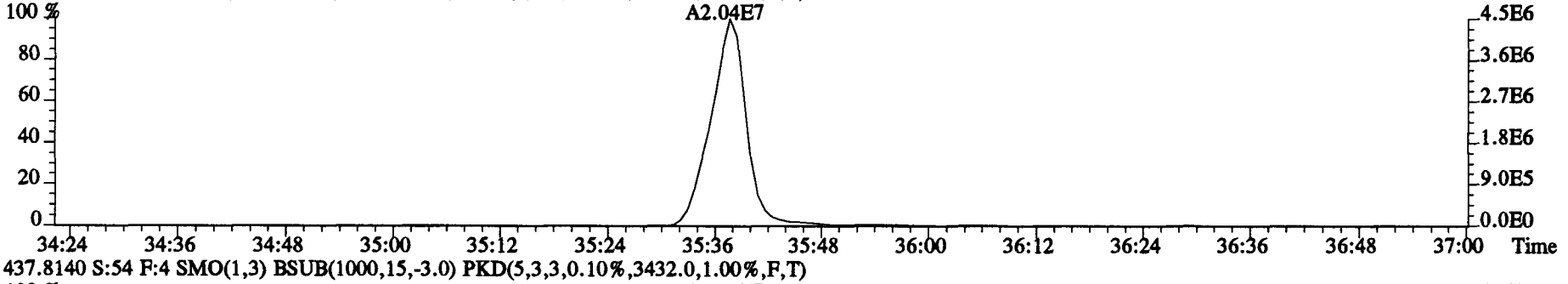


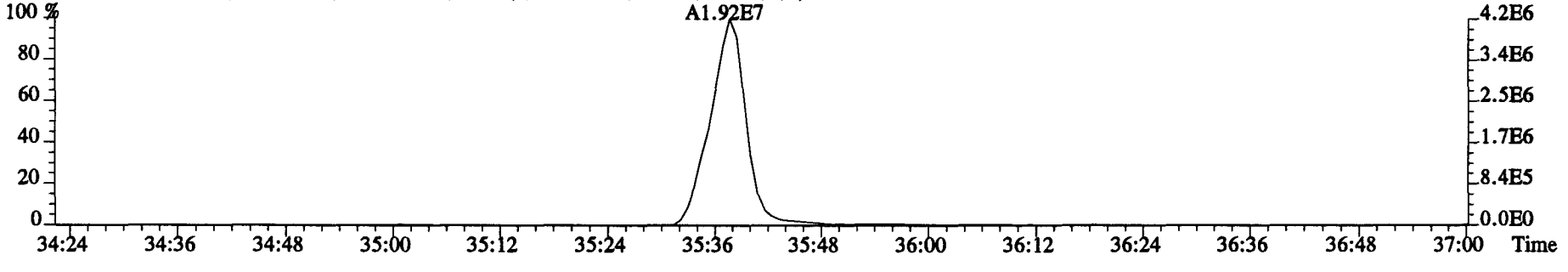


File:30AU104D5 #1-200 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

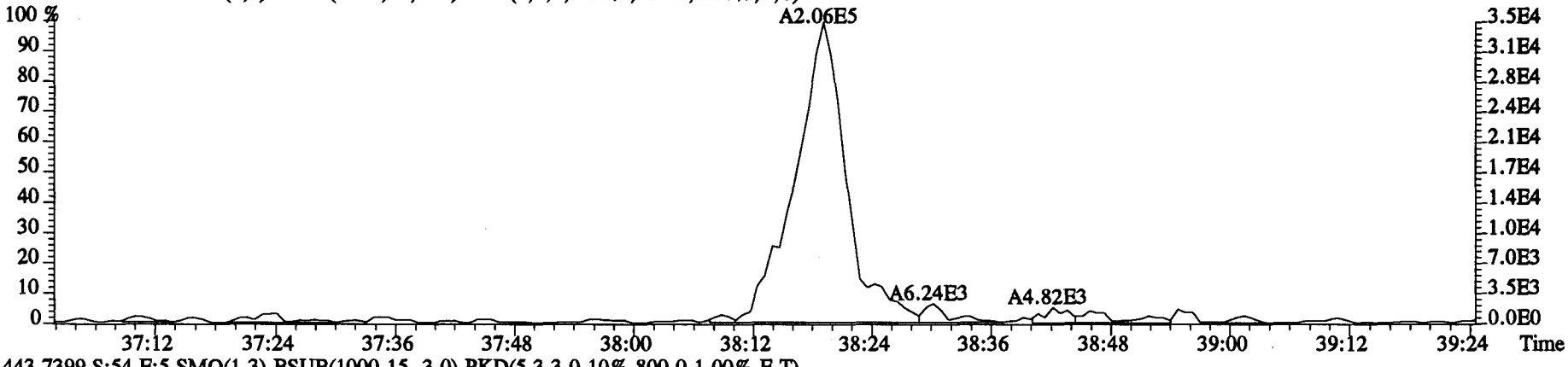




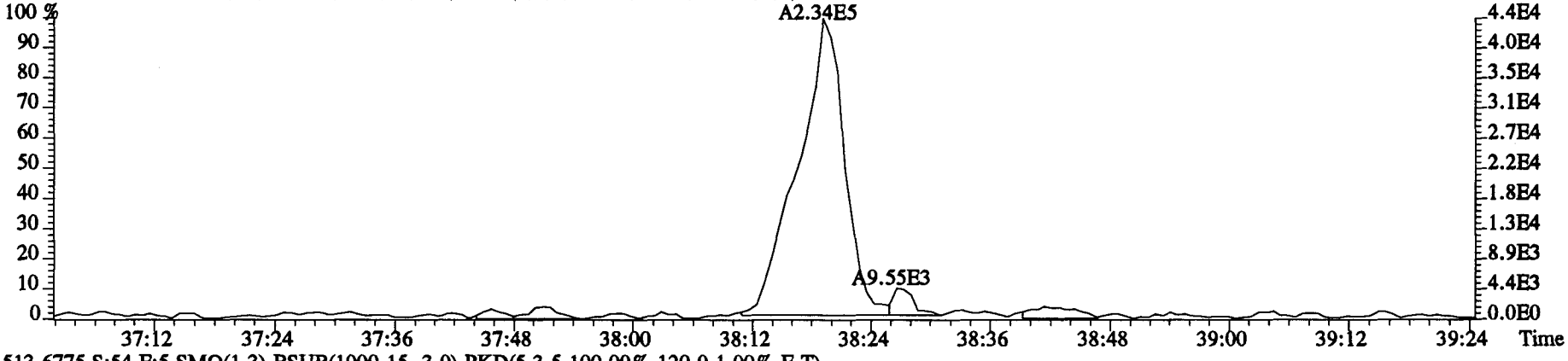




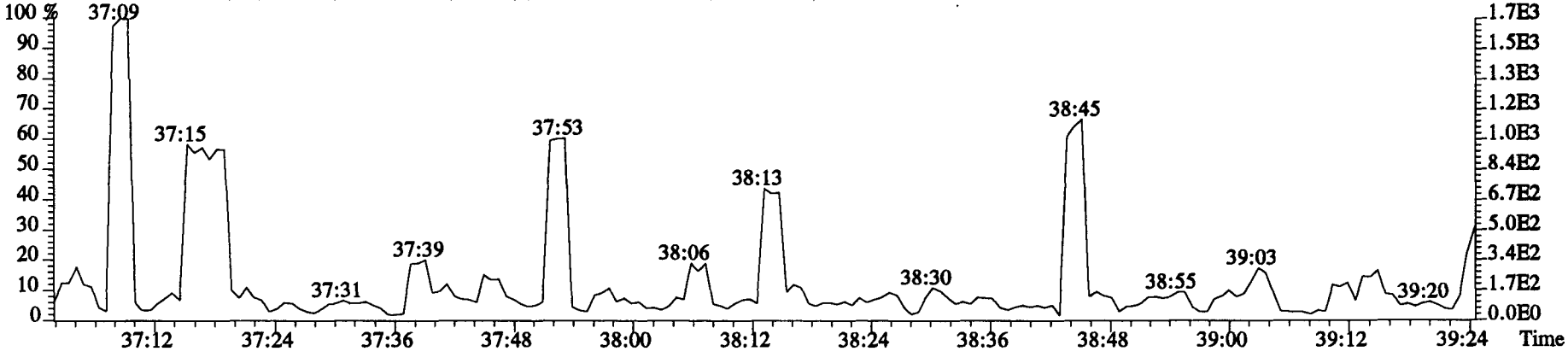
File:30AU104D5 #1-193 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES
441.7428 S:54 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,516.0,1.00%,F,T)



443.7399 S:54 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,800.0,1.00%,F,T)

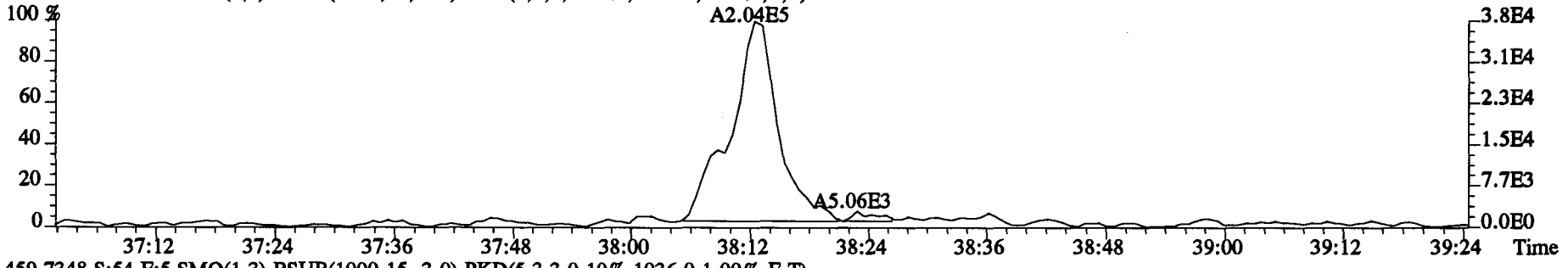


513.6775 S:54 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,120.0,1.00%,F,T)

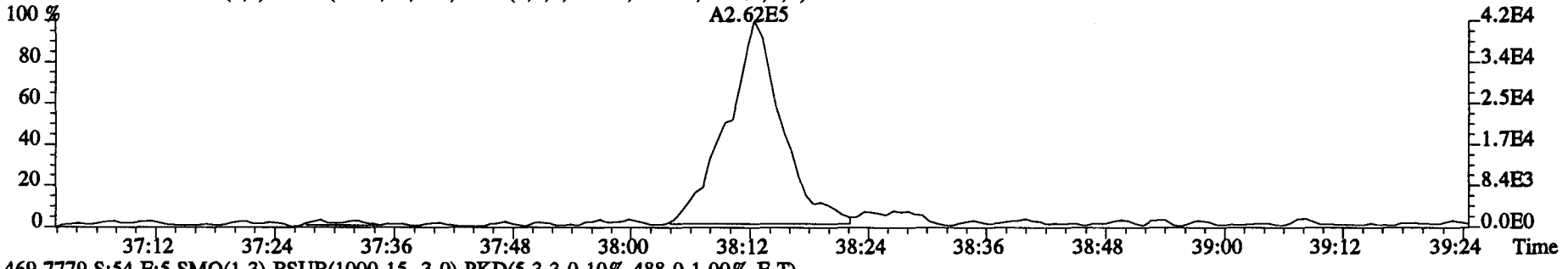


File:30AU104D5 #1-193 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

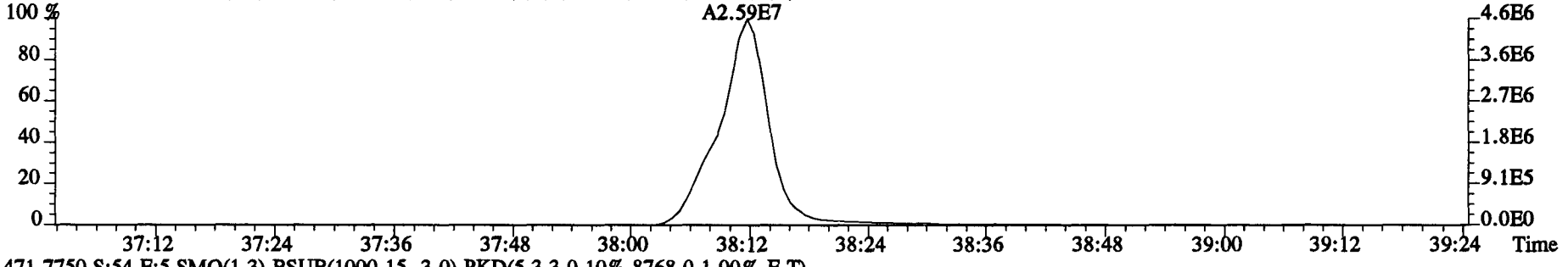
457.7377 S:54 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1300.0,1.00%,F,T)



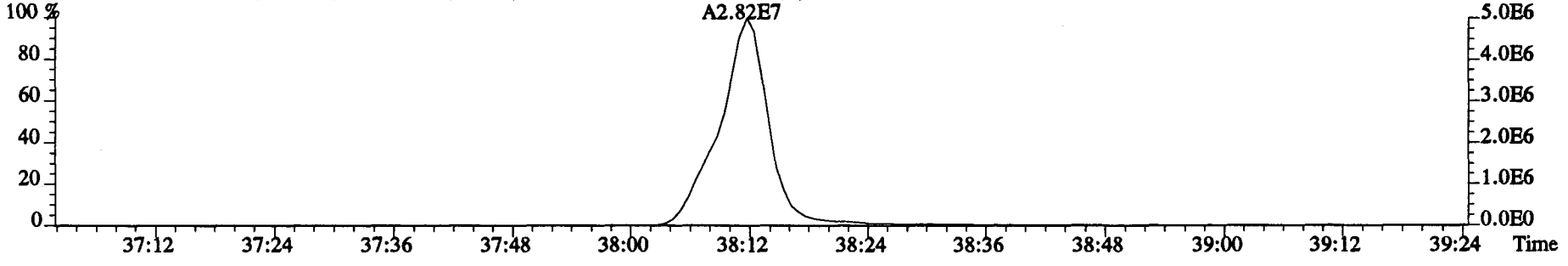
459.7348 S:54 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1036.0,1.00%,F,T)



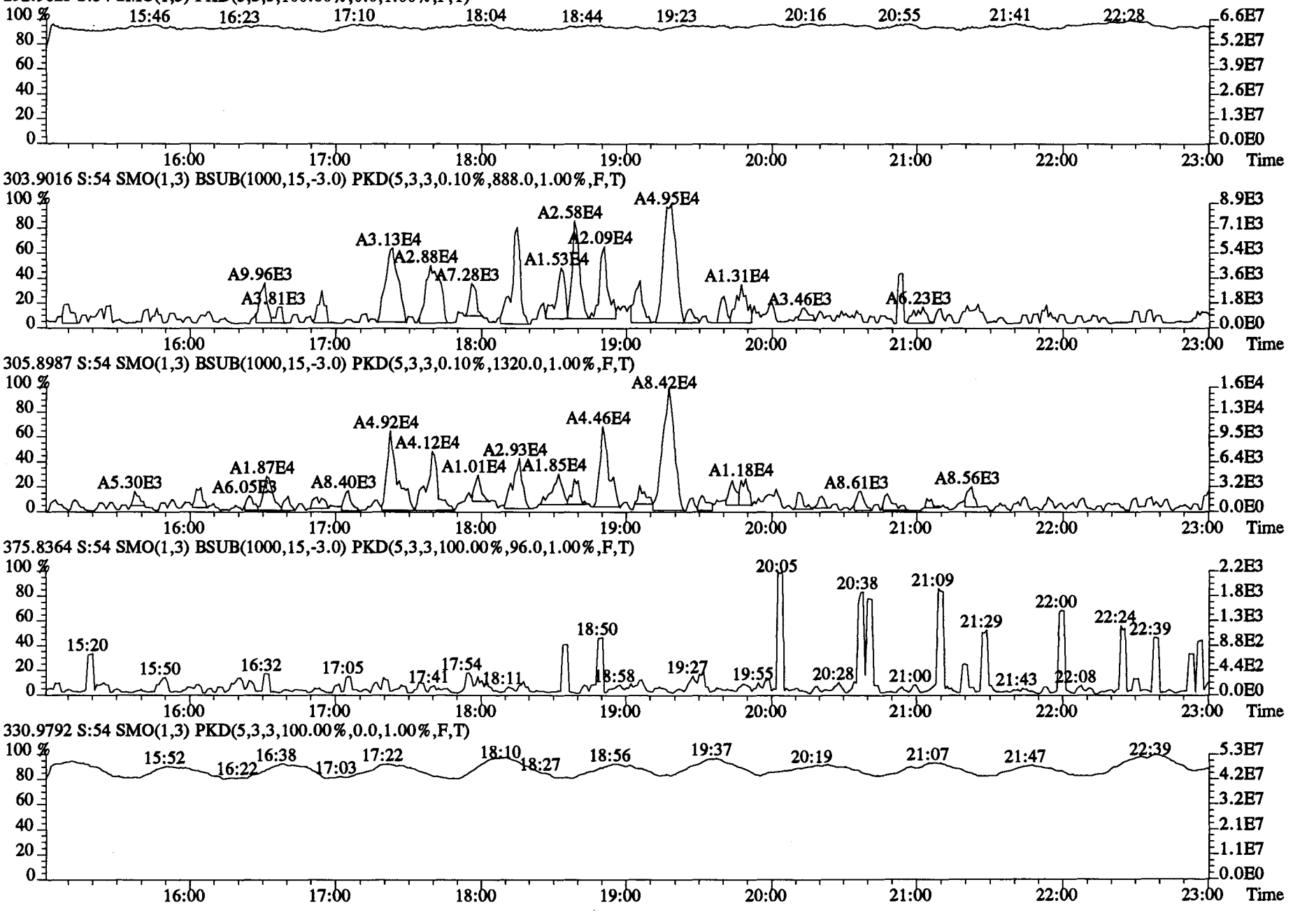
469.7779 S:54 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,488.0,1.00%,F,T)



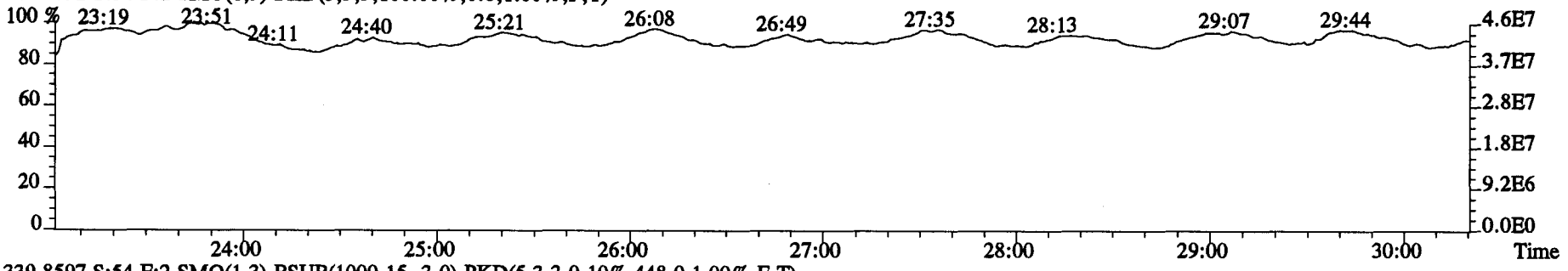
471.7750 S:54 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8768.0,1.00%,F,T)



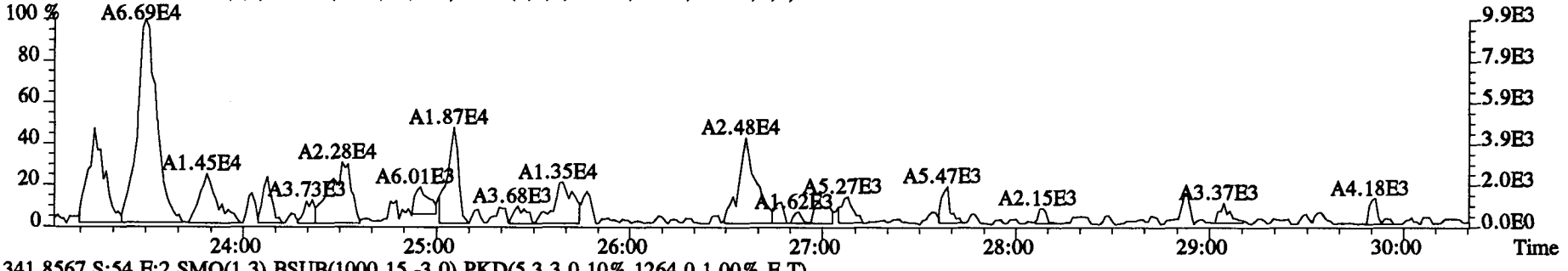
File:30AU104D5 #1-530 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES



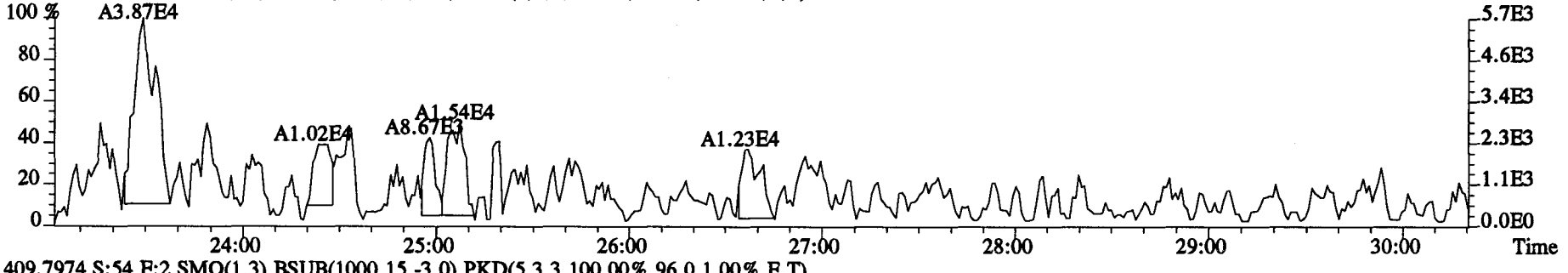
File:30AU104D5 #1-470 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES
342.9792 S:54 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



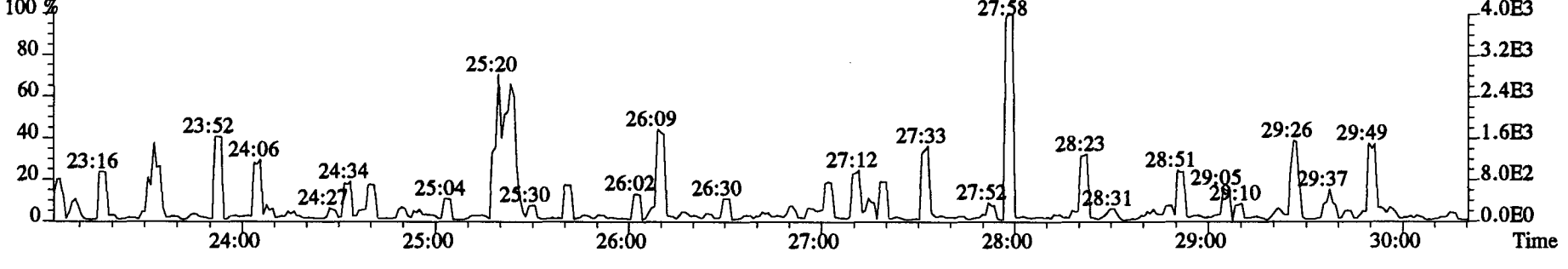
339.8597 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,448.0,1.00%,F,T)



341.8567 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1264.0,1.00%,F,T)

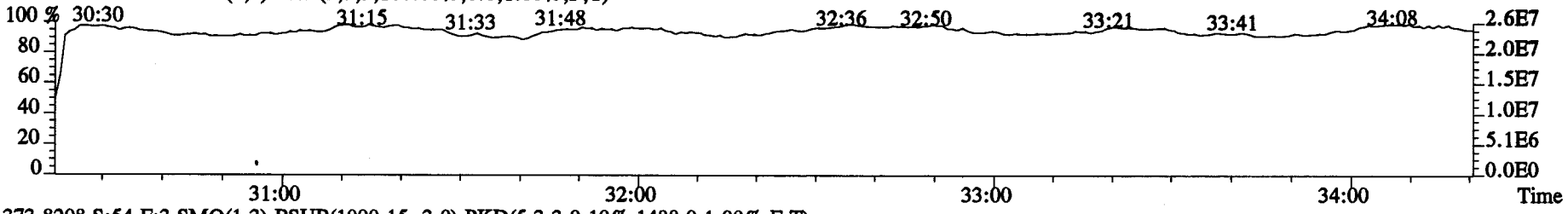


409.7974 S:54 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,96.0,1.00%,F,T)

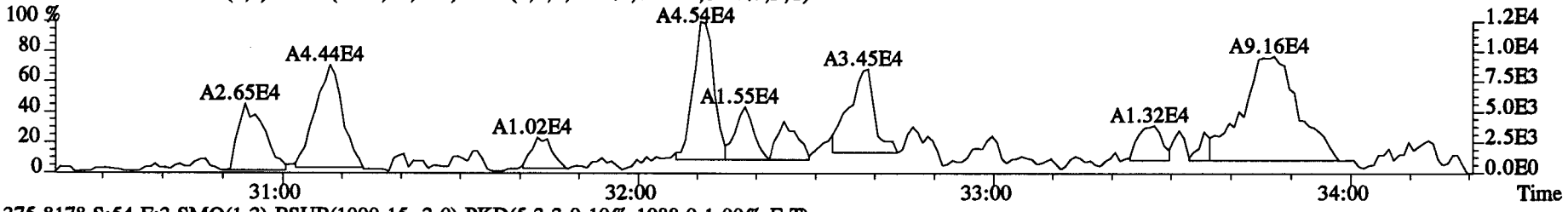


File:30AU104D5 #1-287 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES

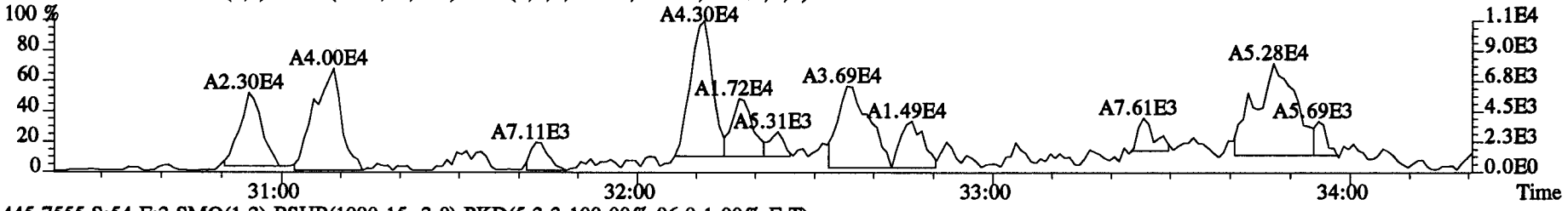
392.9760 S:54 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



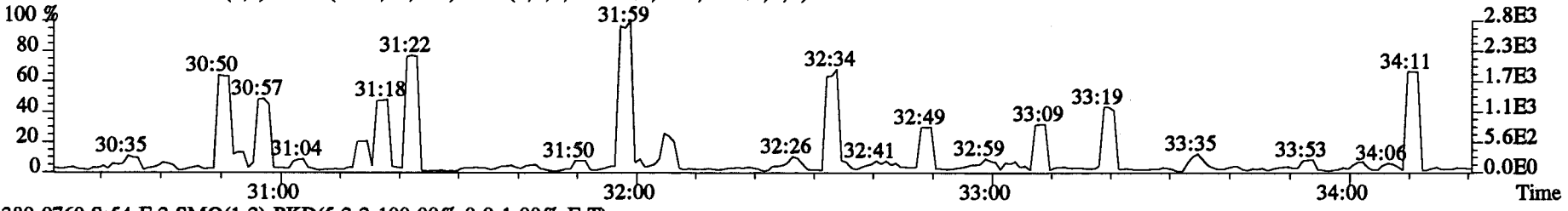
373.8208 S:54 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1488.0,1.00%,F,T)



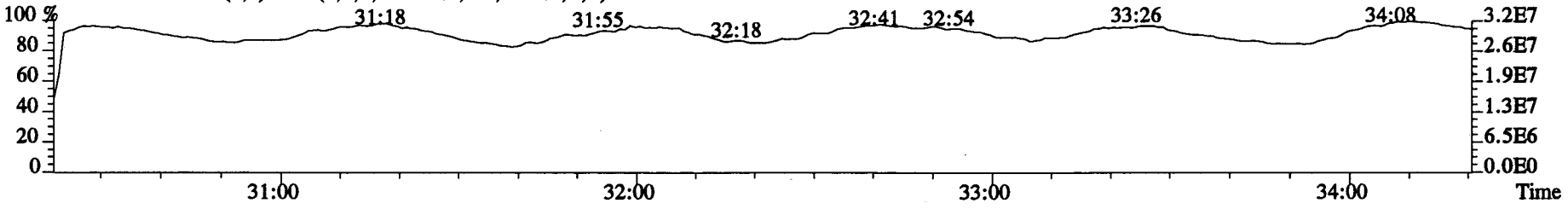
375.8178 S:54 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1988.0,1.00%,F,T)



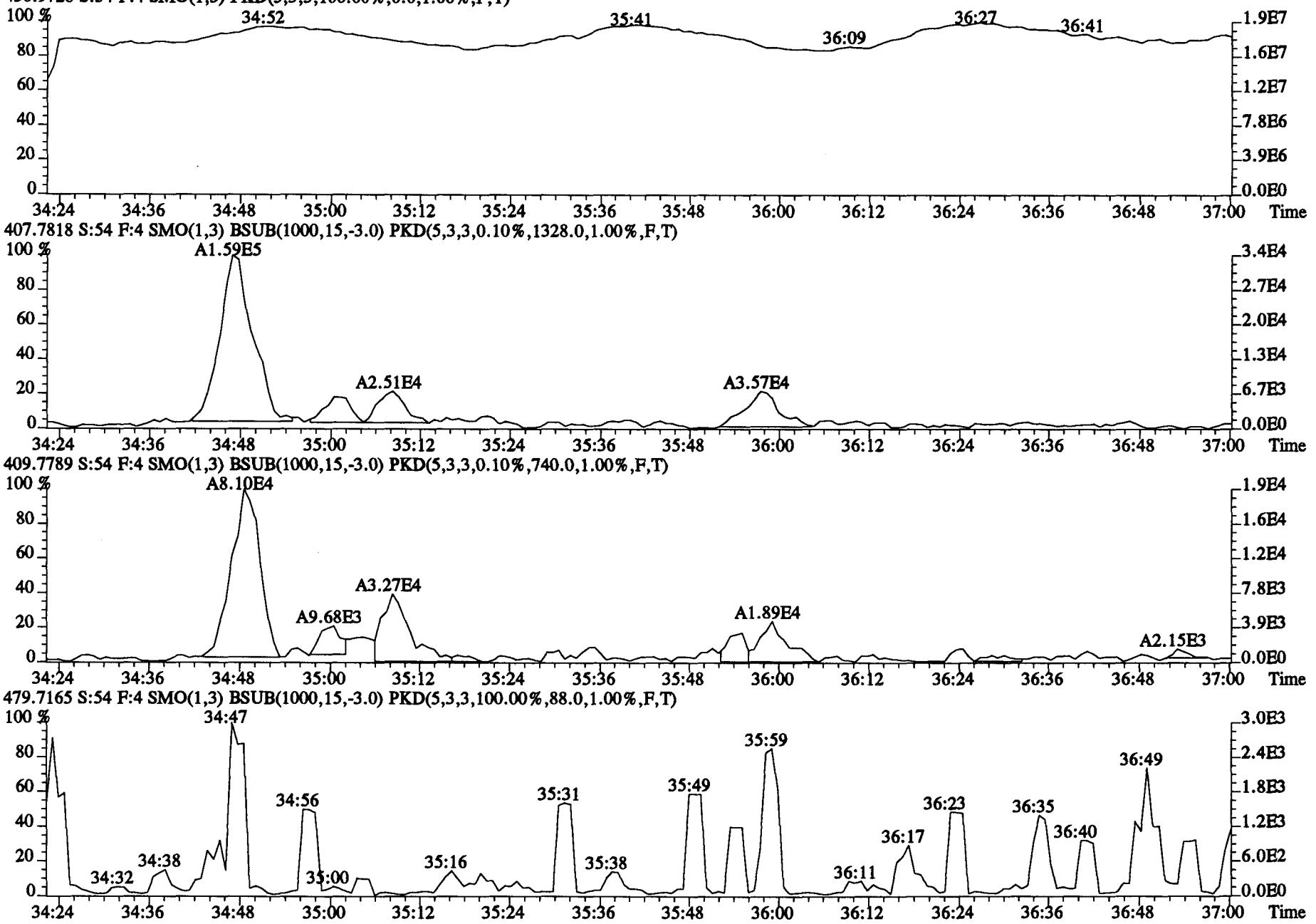
445.7555 S:54 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,96.0,1.00%,F,T)



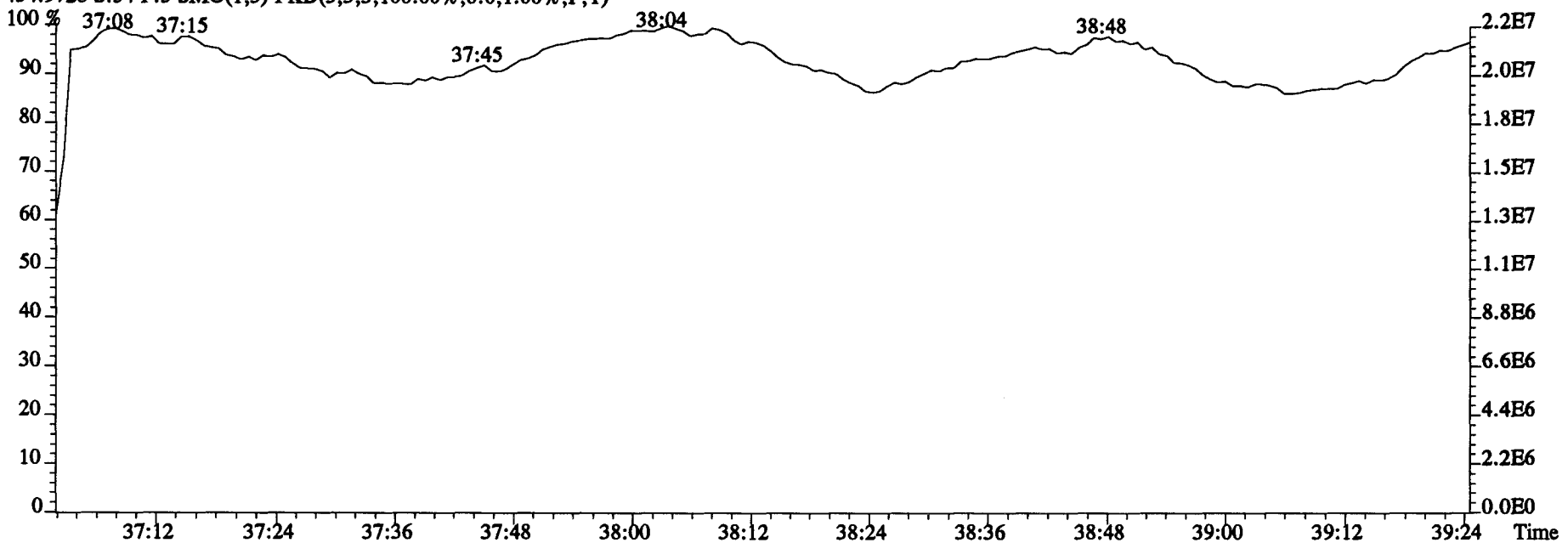
380.9760 S:54 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



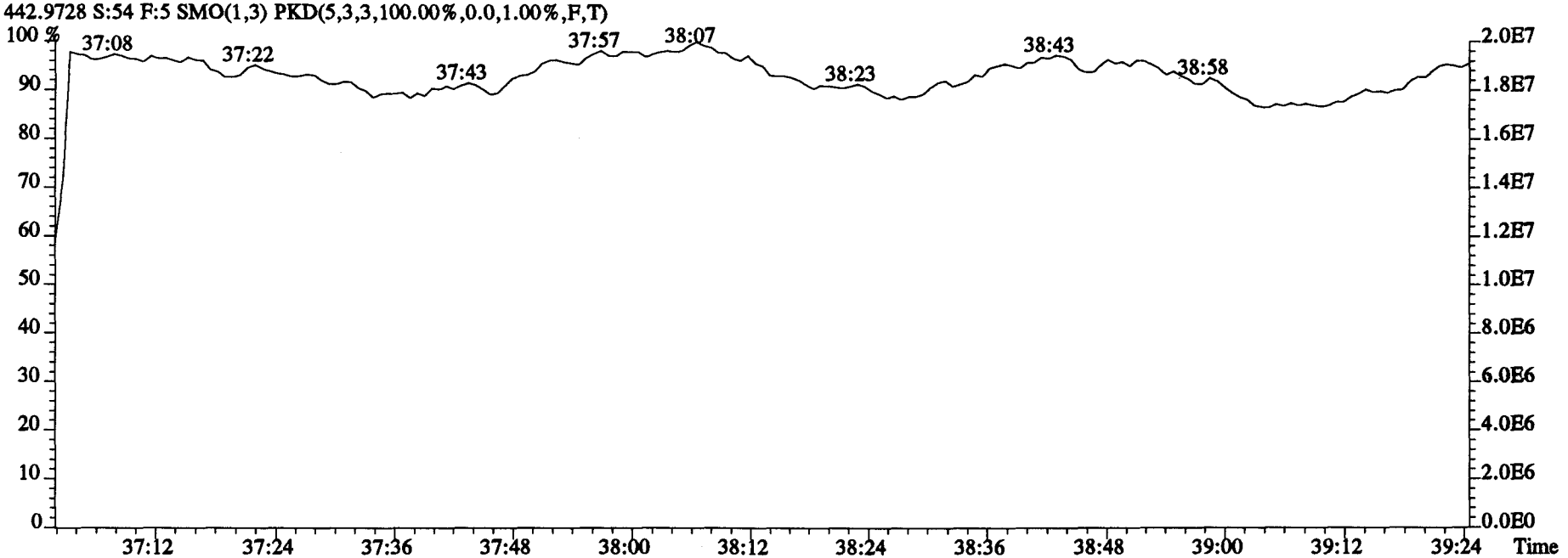
File:30AU104D5 #1-200 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES



File:30AU104D5 #1-193 Acq: 1-SEP-2010 01:07:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#54 Text:L563K-1-AA :G0H260533-1 Exp:DIOXINRES
454.9728 S:54 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:54 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



V8 9.1.6

Run text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2
Run #8 Filename: 01SE104D5 S: 20 I: 1 Results: 01SE104D5TO9
Acquired: 2-SEP-10 00:10:46 Processed: 2-SEP-10 12:24:50
Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 SAMP

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	54405400	0.82	y	19:51	-	32.58		-	-	n
13C-2,3,7,8-TCDF	68395400	0.79	y	19:16	1.23	4090.46		2.86	102.3	n
2,3,7,8-TCDF	181111	0.64	n	19:18	0.99	10.65	JQ ✓	0.98	-	n
Total TCDF	1081402	0.52	n	16:31	0.99	~~63.59~~	56.64	0.98	-	n
13C-2,3,7,8-TCDD	46870200	0.80	y	20:05	0.91	3807.50		5.68	95.2	n
2,3,7,8-TCDD	18006	0.66	y	20:08	0.98	1.56	J	1.18	-	n
Total TCDD	91504	0.35	n	15:17	0.98	~~7.94~~	3.05 ✓	1.18	-	n
37Cl-2,3,7,8-TCDD	41848400	1.00	y	20:05	1.33	2693.24		2.34	168.3	n
13C-1,2,3,7,8-PeCDF	51230600	1.60	y	25:06	0.88	4299.51		4.30	107.5	n
1,2,3,7,8-PeCDF	152038	1.34	y	25:06	1.08	11.03	J	2.25	-	n
2,3,4,7,8-PeCDF	86646	1.37	y	26:38	1.05	6.47	J	2.32	-	n
Total F2 PeCDF	886514	1.63	y	23:17	1.06	~~65.16~~		2.28	-	n
Total F1 PeCDF	35730	0.30	n	15:51	1.06	~~2.63~~	60.54 ✓	1.35	-	n
						a/2/2010 new 41.22				
13C-1,2,3,7,8-PeCDD	33882800	1.58	y	27:28	0.66	3769.74		0.31	94.2	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*		3.00	-	n
Total PeCDD	68816	0.65	n	23:46	0.93	~~8.78~~		3.00	-	n
13C-1,2,3,7,8,9-HxCDD	39596900	1.29	y	33:18	-	33.44		-	-	n
13C-1,2,3,4,7,8-HxCDF	40332200	0.52	y	32:11	1.04	3899.63		3.90	97.5	n
1,2,3,4,7,8-HxCDF	246590	0.99	n	32:12	1.22	20.09	JQ	0.23	-	n
1,2,3,6,7,8-HxCDF	204241	1.14	y	32:18	1.28	15.80	J	0.22	-	n
2,3,4,6,7,8-HxCDF	28191	0.94	n	32:51	1.23	2.27	JQ	0.23	-	y
1,2,3,7,8,9-HxCDF	15480	0.74	n	33:28	1.10	1.40	JQ ✓	0.25	-	y
Total HxCDF	1314327	1.19	y	30:56	1.21	~~106.89~~	105.07	0.23	-	y
13C-1,2,3,6,7,8-HxCDD	32823600	1.31	y	33:02	0.83	3991.11		0.37	99.8	n
1,2,3,4,7,8-HxCDD	8856	0.30	n	33:02	1.04	~~1.04~~		2.48	-	n
1,2,3,6,7,8-HxCDD	8856	0.30	n	33:02	1.16	~~0.93~~		2.21	-	n
1,2,3,7,8,9-HxCDD	15658	0.61	n	33:17	1.18	~~1.61~~	✓	2.17	-	n
Total HxCDD	78180	2.59	n	31:40	1.13	~~8.34~~	2.76 DC ~~2.28~~	-	-	n
13C-1,2,3,4,6,7,8-HpCDF	32440500	0.45	y	34:49	0.91	3601.09		13.76	90.0	n
1,2,3,4,6,7,8-HpCDF	674885	1.16	y	34:50	1.35	61.83	J	1.30	-	n
1,2,3,4,7,8,9-HpCDF	191126	1.05	y	35:59	1.09	21.55	J	1.60	-	n
Total HpCDF	1185557	1.16	y	34:50	1.22	115.69	✓	1.44	-	n
13C-1,2,3,4,6,7,8-HpCDD	28725400	1.04	y	35:39	0.83	3510.48		1.52	87.8	n
1,2,3,4,6,7,8-HpCDD	55797	0.78	n	35:40	1.07	7.25	JQ ✓	2.13	-	n
Total HpCDD	105093	1.24	n	34:26	1.07	~~13.66~~	13.1 ✓	2.13	-	n
13C-OCDD	41240100	0.91	y	38:12	0.62	6720.45	✓	9.09	84.0	n
OCDF	1027998	0.88	y	38:18	1.37	145.53		4.14	-	n

OCDD	149072	0.72	n	38:13	1.20	24.11	JQ	2.57	- n

Run text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2
Run #8 Filename: 01SE104D5 S: 20 I: 1 Results: 01SE104D5TO9
Acquired: 2-SEP-10 00:10:46 Processed: 2-SEP-10 12:24:50
Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	54405400	0.82	y	19:51	-	32.579	-	-	n
13C-2,3,7,8-TCDF	68395400	0.79	y	19:16	1.23	4090.457	2.857	102.3	n
2,3,7,8-TCDF	181111	0.64	n	19:18	0.99	10.650 J	0.975	-	n
Total TCDF	1081402	0.52	n	16:31	0.99	~~63.593~~ 56.64	0.975	-	n
13C-2,3,7,8-TCDD	46870200	0.80	y	20:05	0.91	3807.497	5.681	95.2	n
2,3,7,8-TCDD	18006	0.66	y	20:08	0.98	1.563 J	1.181	-	n
Total TCDD	91504	0.35	n	15:17	0.98	~~7.940~~ 3.05	1.181	-	n
37Cl-2,3,7,8-TCDD	41848400	1.00	y	20:05	1.33	2693.243	2.344	168.3	n
13C-1,2,3,7,8-PeCDF	51230600	1.60	y	25:06	0.88	4299.507	4.297	107.5	n
1,2,3,7,8-PeCDF	152038	1.34	y	25:06	1.08	11.026 J	2.250	-	n
2,3,4,7,8-PeCDF	86646	1.37	y	26:38	1.05	6.470 J	2.317	-	n
Total F2 PeCDF	886514	1.63	y	23:17	1.06	~~65.165~~	~~2.283~~	-	n
Total F1 PeCDF	35730	0.30	n	15:51	1.06	2.629 60.54	1.346	-	n
13C-1,2,3,7,8-PeCDD	33882800	1.58	y	27:28	0.66	3769.736	0.313	94.2	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	~~0.93~~ 1.11	*	3.001	-	n
Total PeCDD	68816	0.65	n	23:46	0.93	~~8.778~~	3.001	-	n
13C-1,2,3,7,8,9-HxCDD	39596900	1.29	y	33:18	-	33.444	-	-	n
13C-1,2,3,4,7,8-HxCDF	40332200	0.52	y	32:11	1.04	3899.628	3.896	97.5	n
1,2,3,4,7,8-HxCDF	246590	0.99	n	32:12	1.22	20.091 JQ	0.230	-	n
1,2,3,6,7,8-HxCDF	204241	1.14	y	32:18	1.28	15.805 J	0.218	-	n
2,3,4,6,7,8-HxCDF	103353	1.00	n	32:46	1.23	8.310 JQ	0.227	-	n
1,2,3,7,8,9-HxCDF	58667	1.02	n	33:31	1.10 2.06	~~5.298~~ JQ	0.255	-	n
Total HxCDF	1317871	1.19	y	30:56	1.21	~~107.405~~ 105.23	0.231	-	n
13C-1,2,3,6,7,8-HxCDD	32823600	1.31	y	33:02	0.83	3991.106	0.371	99.8	n
1,2,3,4,7,8-HxCDD	8856	0.30	n	33:02	1.04	~~1.041~~	2.476	-	n
1,2,3,6,7,8-HxCDD	8856	0.30	n	33:02	1.16	~~0.928~~	2.209	-	n
1,2,3,7,8,9-HxCDD	15658	0.61	n	33:17	1.18	~~1.615~~	2.173	-	n
Total HxCDD	78180	2.59	n	31:40	1.13	~~8.345~~ 2.76 DL	~~2.278~~	-	n
13C-1,2,3,4,6,7,8-HpCDF	32440500	0.45	y	34:49	0.91	3601.092	13.758	90.0	n
1,2,3,4,6,7,8-HpCDF	674885	1.16	y	34:50	1.35	61.834 J	1.302	-	n
1,2,3,4,7,8,9-HpCDF	191126	1.05	y	35:59	1.09	21.552 J	1.602	-	n
Total HpCDF	1185557	1.16	y	34:50	1.22	115.693 ✓	1.436	-	n
13C-1,2,3,4,6,7,8-HpCDD	28725400	1.04	y	35:39	0.83	3510.479	1.521	87.8	n
1,2,3,4,6,7,8-HpCDD	55797	0.78	n	35:40	1.07	7.250 JQ	2.132	-	n
Total HpCDD	105093	1.24	n	34:26	1.07	~~13.655~~ 13.1 ✓	2.132	-	n
13C-OCDD	41240100	0.91	y	38:12	0.62	6720.446	9.092	84.0	n

OCDF	1027998	0.88	y	38:18	1.37	145.528	4.138	- n
OCDD	149072	0.72	n	38:13	1.20	24.112	2.571	- n

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:13
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D5

Amount:	3.97 of which	0.78 named and	3.19 unnamed
Conc:	7.94 of which	1.56 named and	6.38 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:17	0.35	n	0.32	1585	3.8	y	n
						4577	1.4	n	n
	2	16:49	0.28	n	0.46	2284	5.4	y	n
						8263	2.3	n	n
	3	17:52	1.31	n	1.49	12662	24.8	y	n
						9694	3.7	y	n
	4	18:33	2.46	n	0.17	2705	5.3	y	n
						1100	0.5	n	n
	5	18:49	0.46	n	0.72	3615	10.3	y	n
						7892	3.4	y	n
	6	18:58	0.49	n	0.44	2184	5.4	y	n
						4484	1.6	n	n
2,3,7,8-TCDD	7	20:08	0.66	y	1.56	7155	17.7	y	n
						10852	3.7	y	n
	8	20:15	1.14	n	0.87	6486	11.2	y	n
						5688	2.3	n	n
	9	20:43	3.29	n	0.36	7812	10.8	y	n
						2372	0.9	n	n
	10	21:28	1.72	n	0.40	4488	6.7	y	n
						2608	1.3	n	n
	11	21:56	0.82	y	0.59	3077	5.6	y	n
						3774	1.7	n	n
	12	22:01	1.10	n	0.20	1419	4.0	y	n
						1291	0.5	n	n
	13	22:40	0.17	n	0.36	1806	5.0	y	n
						10893	3.0	n	n

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:12
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:18
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	31.80 of which	5.33 named and	26.47 unnamed
Conc:	63.59 of which	10.65 named and	52.94 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:31	0.52	n	2.62	19419	22.8	y	n
						37137	6.5	y	n
	2	16:54	1.85	n	0.70	12443	13.8	y	n
						6727	2.2	n	n
	3	17:03	3.74	n	0.53	19015	24.0	y	n
						5087	1.3	n	n
	4	17:12	0.43	n	0.38	2795	5.9	y	n
						6524	2.3	n	n
	5	17:23	0.83	y	11.27	87156	85.3	y	n
						104419	20.2	y	n
	6	17:38	1.08	n	3.65	37830	35.0	y	n
						35068	8.0	y	n
	7	18:01	1.04	n	5.09	51009	39.0	y	n
						48871	6.1	y	n
	8	18:14	0.79	y	6.67	50208	43.6	y	n
						63211	12.4	y	n
	9	18:31	1.28	n	4.68	57520	53.2	y	n
						44996	7.7	y	n
	10	18:39	0.50	n	4.07	30122	38.1	y	n
						60294	9.2	y	n
	11	18:52	0.84	y	7.94	61727	78.7	y	n
						73266	15.3	y	n
	12	19:05	0.27	n	0.60	4442	8.8	y	n
						16407	3.6	y	n
2,3,7,8-TCDF	13	19:18	0.64	n	10.65	78788	77.3	y	n
						122761	19.7	y	n
	14	19:46	1.85	n	1.15	20357	21.4	y	n
						11015	1.7	n	n
	15	19:59	0.51	n	0.93	6847	8.0	y	n
						13430	2.6	n	n

56.64

LEDL

16	20:18	0.71	y	1.38	9712	8.8	y	n
					13766	2.3	n	n
17	21:20	0.12	n	0.32	2340	4.5	y	n
					19564	4.7	y	n
18	21:23	0.37	n	0.97	7209	9.8	y	n
					19564	4.7	y	n

Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	32.58 of which	8.75 named and	23.83	unnamed
Conc:	65.16 of which	17.50 named and	47.67	unnamed

4/2/2010 MW

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:17	1.63	y	~~5.03~~ <S/N	42307	12.4	y	n
						26006	5.9	y	n
	2	23:32	1.62	y	23.72	199202	42.9	y	n
						123218	17.3	y	n
	3	23:48	1.50	y	3.04 <S/N	24837	6.7	y	n
						16528	3.0	y	n
	4	24:34	2.80	n	4.88 <S/N	72716	15.8	y	n
						26001	4.6	y	n
	5	24:57	1.20	n	~~2.21~~	18234	5.5	y	n
						15238	3.1	y	n
1,2,3,7,8-PeCDF	6	25:06	1.34	y	11.03	87040	18.9	y	n
						64998	10.5	y	n
	7	25:26	1.11	n	~~1.80~~	14836	7.3	y	n
						13394	2.2	n	n
	8	25:44	2.11	n	~~4.87~~ <S/N	54692	10.5	y	n
						25950	4.6	y	n
2,3,4,7,8-PeCDF	9	26:38	1.37	y	6.47	50086	9.8	y	n
						36560	5.6	y	n
	10	26:58	0.44	n	~~0.99~~	8185	3.1	y	n
						18585	2.1	n	n
	11	27:16	2.04	n	~~0.42~~	4598	2.1	n	n
						2256	1.1	n	n
	12	27:40	0.61	n	~~0.71~~	5856	3.2	y	n
						9621	2.2	n	n

6.9 J

LEDL

41.22

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:8
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	1.31 of which	* named and	1.31 unnamed
Conc:	2.63 of which	* named and	2.63 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:51	0.30	n	0.09	723	2.0	n	n
						2375	1.0	n	n
	2	16:01	0.44	n	0.24	1987	4.4	y	n
						4521	2.2	n	n
	3	16:52	0.13	n	0.13	1074	4.2	y	n
						8116	2.6	n	n
	4	18:58	0.05	n	0.03	220	0.7	n	n
						4703	1.8	n	n
	5	20:06	0.44	n	0.32	2651	7.3	y	n
						6027	1.9	n	n
	6	21:42	4.99	n	1.51	40318	91.1	y	n
						8073	3.0	n	n
	7	21:57	5.26	n	0.11	3191	6.7	y	n
						606	0.2	n	n
	8	22:56	0.36	n	0.19	1610	4.7	y	n
						4505	1.7	n	n

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:8
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	4.39 of which	* named and	4.39 unnamed
Conc:	8.78 of which	* named and	8.78 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:46	0.65	n	2.13	10140	2.2	n	n
						15501	24.2	y	n
	2	24:33	9.02	n	0.11	3129	0.7	n	n
						347	0.7	n	n
	3	25:06	3.25	n	0.78	7739	2.2	n	n

					2384	6.4	y	n
4	25:48	1.65	y	2.20	10756	2.0	n	n
					6520	12.9	y	n
5	26:55	3.17	n	1.51	14697	4.9	y	n
					4632	9.7	y	n
6	26:59	1.43	y	1.49	6897	2.2	n	n
					4813	8.5	y	n
7	28:44	2.63	n	0.49	3975	1.4	n	n
					1510	3.6	y	n
8	29:14	27.79	n	0.07	5698	1.6	n	n
					205	0.5	n	n

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:18
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D5

Amount:	53.70 of which	24.75 named and	28.95 unnamed
Conc:	107.41 of which	49.50 named and	57.90 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?	
	1	30:56	1.19	y	12.14	80474	109.5	y	n	
						67366	137.5	y	n	
	2	31:08	1.23	y	23.51	157766	209.7	y	n	
						128525	258.7	y	n	
	3	31:21	1.48	n	1.39	11209	23.9	y	n	
						7575	21.7	y	n	
	4	31:33	1.80	n	3.70	36142	50.4	y	n	
						20120	39.7	y	n	
	5	31:46	1.37	y	4.74	33332	49.6	y	n	
						24347	51.3	y	n	
	6	32:01	0.76	n	0.76	5106	9.3	y	n	
						6710	14.6	y	n	
1,2,3,4,7,8-HxCDF	7	32:12	0.99	n	20.09	136505	189.8	y	n	
						138283	307.6	y	n	
1,2,3,6,7,8-HxCDF	8	32:18	1.14	y	15.80	108867	182.4	y	n	
						95374	266.4	y	n	
	9	32:24	0.90	n	4.18	28187	49.0	y	n	
						31364	89.1	y	n	
	10	32:37	1.31	y	6.11	42203	48.8	y	n	
						32195	49.1	y	n	
2,3,4,6,7,8-HxCDF	11	32:46	1.00	n	8.31	57213	73.1	y	n	
						57323	84.6	y	n	
	12	33:01	2.70	n	0.31	4606	8.3	y	n	
						1705	5.5	y	n	
	13	33:13	3.15	n	0.35	5948	9.1	y	n	
						1891	5.1	y	n	
	14	33:18	0.37	n	0.07	463	1.1	n	n	
						1245	4.5	y	n	
1,2,3,7,8,9-HxCDF	15	33:31	1.02	n	5.30	32477	43.0	y	n	
						31789	56.6	y	n	
	16	33:55	3.69	n	0.19	3724	9.7	y	n	

See Pg 67

50-50

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:19
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	53.44	of which	19.78	named and	33.66	unnamed			
Conc:	106.89	of which	39.56	named and	67.33	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:56	1.19	y	12.14	80473	109.5	y	n
						67366	137.5	y	n
	2	31:08	1.23	y	23.51	157766	209.7	y	n
						128525	258.7	y	n
	3	31:21	1.48	n	1.39	11209	23.9	y	n
						7575	21.7	y	n
	4	31:33	1.80	n	3.70	36142	50.4	y	n
						20120	39.7	y	n
	5	31:46	1.37	y	4.74	33332	49.6	y	n
						24347	51.3	y	n
	6	32:01	0.76	n	0.76	5106	9.3	y	n
						6710	14.6	y	n
1,2,3,4,7,8-HxCDF	7	32:12	0.99	n	20.09	136505	189.8	y	n
						138283	307.6	y	n
1,2,3,6,7,8-HxCDF	8	32:18	1.14	y	15.80	108867	182.4	y	n
						95374	266.4	y	n
	9	32:24	0.90	n	4.18	28187	49.0	y	n
						31364	89.1	y	n
	10	32:37	1.31	y	6.11	42203	48.8	y	n
						32195	49.1	y	n
	11	32:46	1.01	n	6.12	41227	73.0	y	y
						40972	84.7	y	y
2,3,4,6,7,8-HxCDF	12	32:51	0.94	n	2.27	15606	35.3	y	y
						16543	64.8	y	y
	13	33:13	3.15	n	0.35	5948	9.1	y	n
						1891	5.1	y	n
	14	33:18	0.37	n	0.07	463	1.1	n	n
						1245	4.5	y	n
1,2,3,7,8,9-HxCDF	15	33:28	0.74	n	1.40	8569	24.4	y	y
						11606	56.3	y	y

105.07

6A

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:19
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	53.44	of which	19.78	named and	33.66	unnamed			
Conc:	106.89	of which	39.56	named and	67.33	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:56	1.19	y	12.14	80473	109.5	y	n
						67366	137.5	y	n
	2	31:08	1.23	y	23.51	157766	209.7	y	n
						128525	258.7	y	n
	3	31:21	1.48	n	1.39	11209	23.9	y	n
						7575	21.7	y	n
	4	31:33	1.80	n	3.70	36142	50.4	y	n
						20120	39.7	y	n
	5	31:46	1.37	y	4.74	33332	49.6	y	n
						24347	51.3	y	n
	6	32:01	0.76	n	0.76	5106	9.3	y	n
						6710	14.6	y	n
1,2,3,4,7,8-HxCDF	7	32:12	0.99	n	20.09	136505	189.8	y	n
						138283	307.6	y	n
1,2,3,6,7,8-HxCDF	8	32:18	1.14	y	15.80	108867	182.4	y	n
						95374	266.4	y	n
	9	32:24	0.90	n	4.18	28187	49.0	y	n
						31364	89.1	y	n
	10	32:37	1.31	y	6.11	42203	48.8	y	n
						32195	49.1	y	n
	11	32:46	1.01	n	6.12	41227	73.0	y	y
						40972	84.7	y	y
2,3,4,6,7,8-HxCDF	12	32:51	0.94	n	2.27	15606	35.3	y	y
						16543	64.8	y	y
	13	33:13	3.15	n	0.35	5948	9.1	y	n
						1891	5.1	y	n
	14	33:18	0.37	n	0.07	463	1.1	n	n
						1245	4.5	y	n
1,2,3,7,8,9-HxCDF	15	33:28	0.74	n	1.40	8569	24.4	y	y
						11606	56.3	y	y

105.02

6A

16	33:31	1.19	y	3.63	23953	43.1	y	y
					20197	56.6	y	y
17	33:55	3.69	n	0.19	3724	9.7	y	n
					1009	4.1	y	n
18	34:06	0.72	n	0.20	1346	3.7	y	n
					1880	3.9	y	n
19	34:13	1.68	n	0.25	2284	5.3	y	n
					1363	5.1	y	n

					1009	4.1	y	n	
	17	34:06	0.72	n	0.20	1346	3.7	y	n
						1880	3.9	y	n
	18	34:13	1.68	n	0.25	2284	5.3	y	n
						1363	5.1	y	n

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:6
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	4.17 of which	1.27 named and	2.90 unnamed
Conc:	8.34 of which	2.54 named and	5.80 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:40	2.59	n	1.22	13054	3.3	y	n
						5040	1.3	n	n
	2	32:12	3.11	n	2.76 DL	35449	5.6	y	n
						11390	2.9	n	n
1,2,3,6,7,8-HxCDD	3	33:02	0.30	n	0.93	4902	1.9	n	n
						16324	3.4	y	n
	4	33:06	0.15	n	0.48	2481	1.0	n	n
						16324	3.4	y	n
1,2,3,7,8,9-HxCDD	5	33:17	0.61	n	1.61	8668	2.4	n	n
						14256	3.2	y	n
	6	33:27	1.97	n	1.34	10868	2.9	n	n
						5528	2.0	n	n

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	57.85 of which	41.69 named and	16.15	unnamed
Conc:	115.69 of which	83.39 named and	32.31	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:50	1.16	y	61.83	362803	158.3	y	n
						312082	123.7	y	n
	2	35:01	1.14	y	13.62	71887	30.6	y	n
						62854	21.2	y	n
	3	35:09	1.43	n	18.68	129314	46.6	y	n
						90591	33.6	y	n
1,2,3,4,7,8,9-HpCDF	4	35:59	1.05	y	21.55	98113	36.8	y	n
						93013	33.1	y	n

Run Text: L5634-1-AA Sample text: L5634-1-AA :G0H260533-2

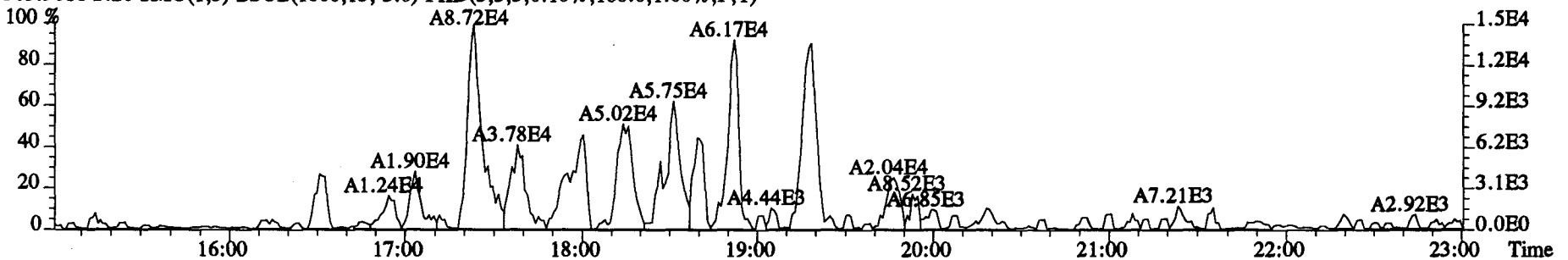
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3
Run: 8 File: 01SE104D5 S:20 Acq:2-SEP-10 00:10:46
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	6.83 of which	3.62 named and	3.20	unnamed
Conc:	13.66 of which	7.25 named and	6.41	unnamed

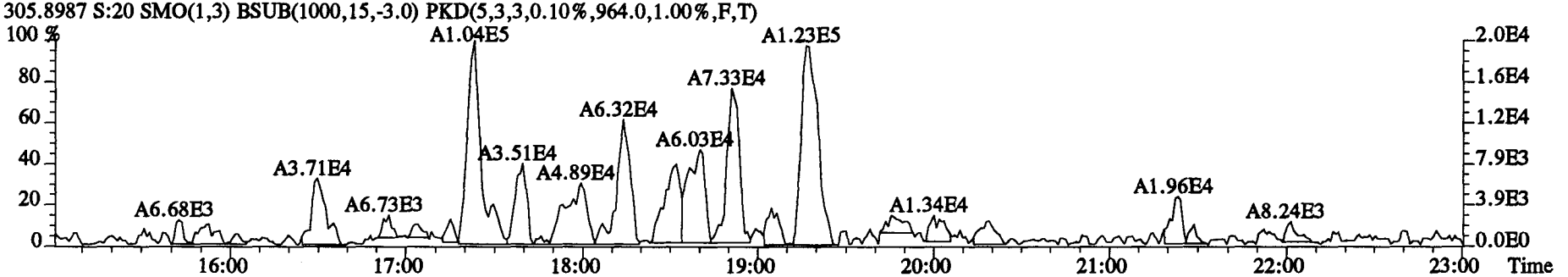
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	34:26	1.24	n	0.55	2586	1.1	n	n
						2087	1.4	n	n
	2	35:04	0.72	n	5.85	22960	7.2	y	n
						31823	13.9	y	n
1,2,3,4,6,7,8-HpCDD	3	35:40	0.78	n	7.25	28446	10.3	y	n
						36490	15.4	y	n

13.1

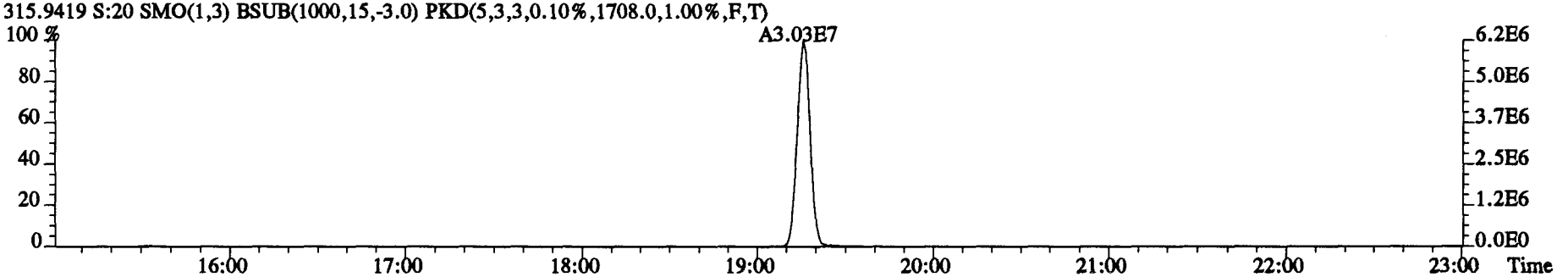
File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,180.0,1.00%,F,T)



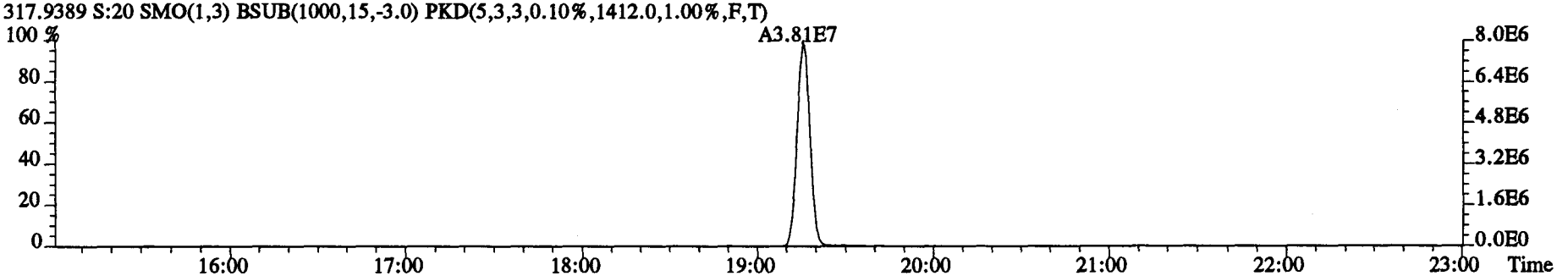
305.8987 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)



315.9419 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1708.0,1.00%,F,T)

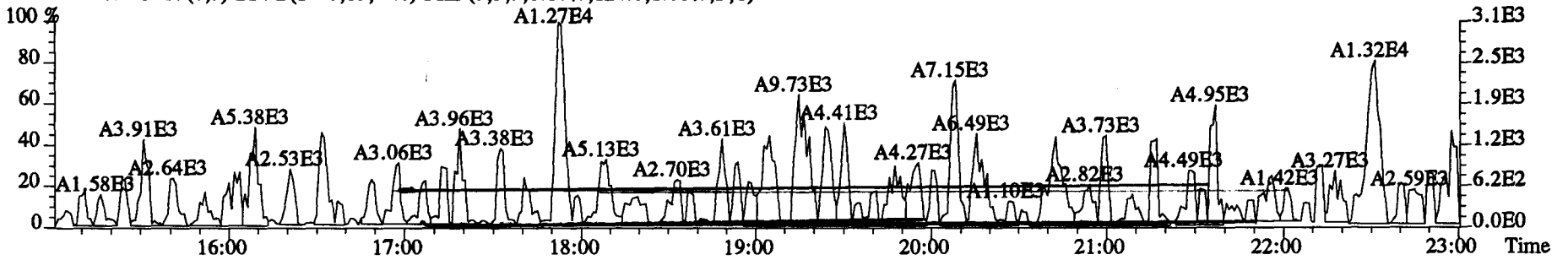


317.9389 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1412.0,1.00%,F,T)

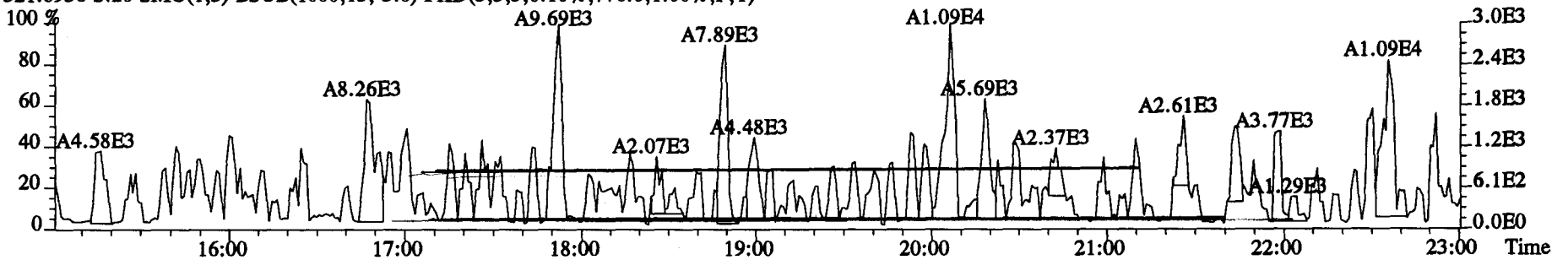


File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

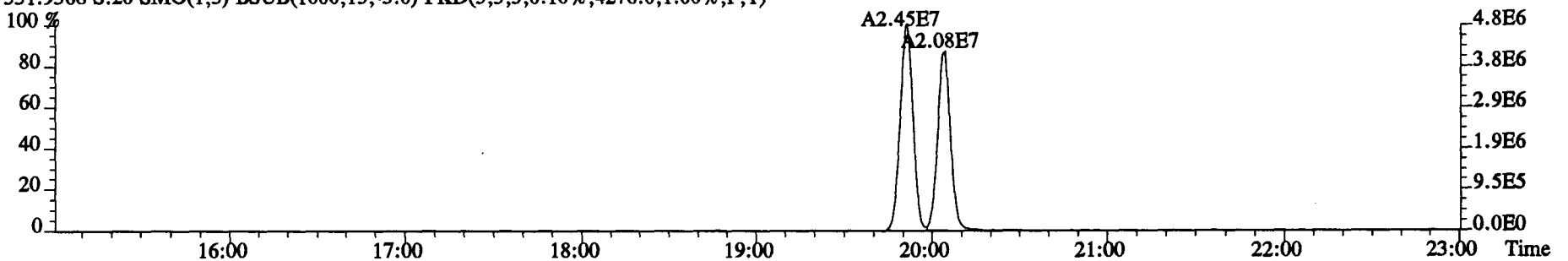
319.8965 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)



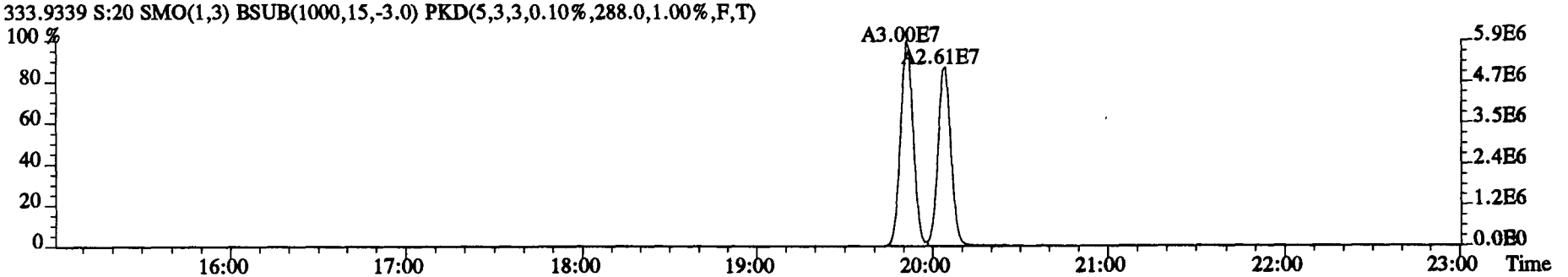
321.8936 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,776.0,1.00%,F,T)



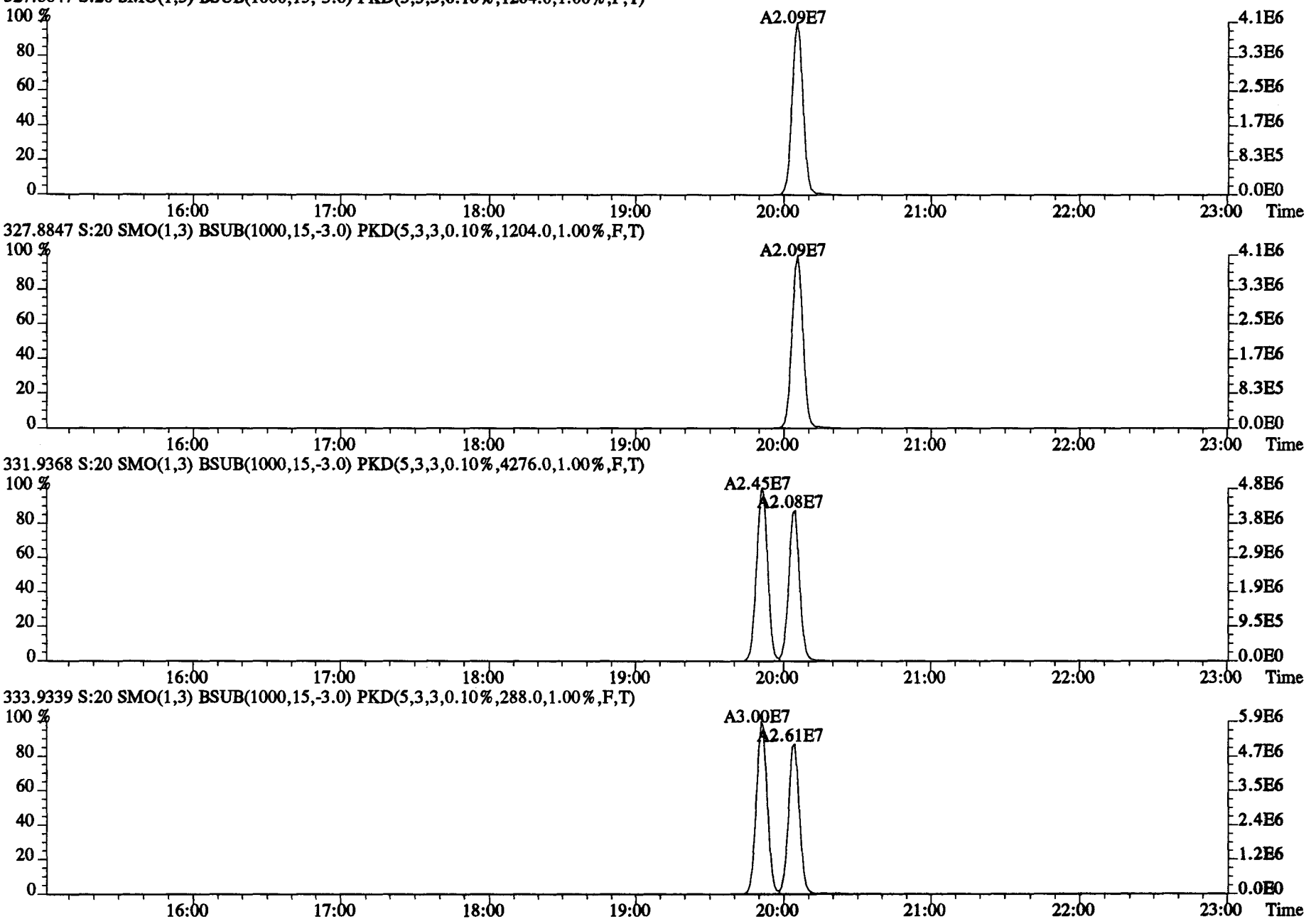
331.9368 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4276.0,1.00%,F,T)



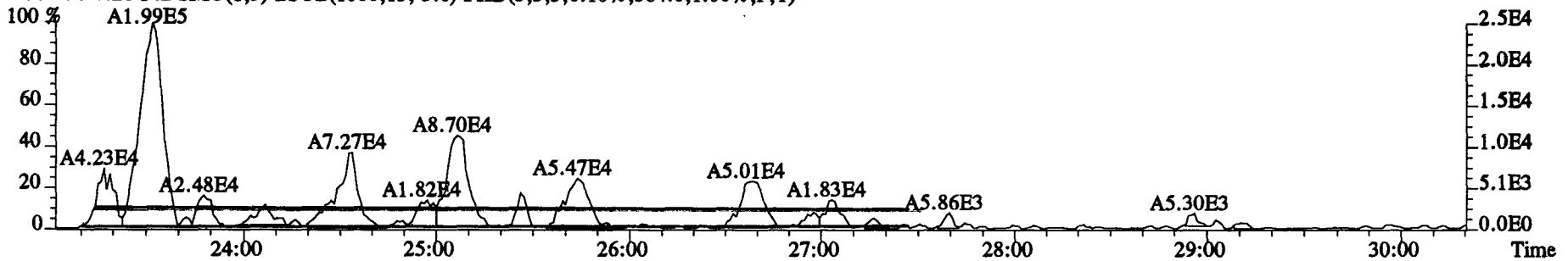
333.9339 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)

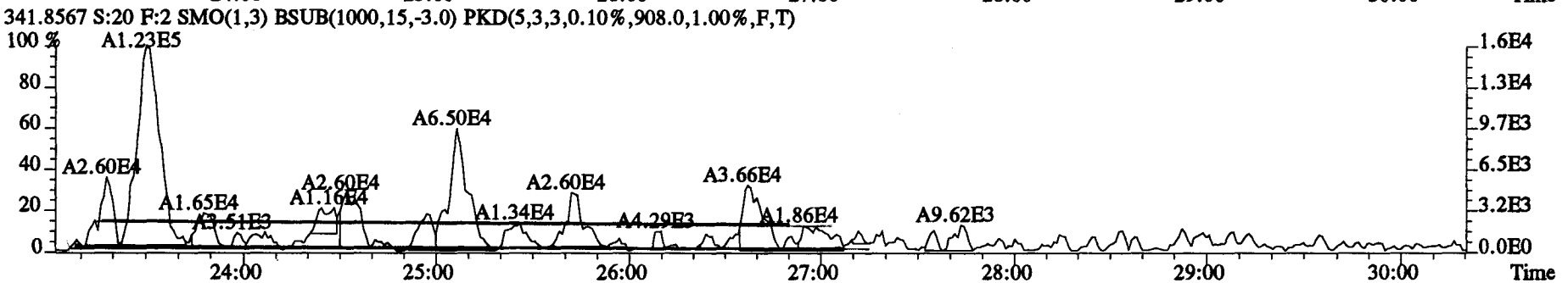


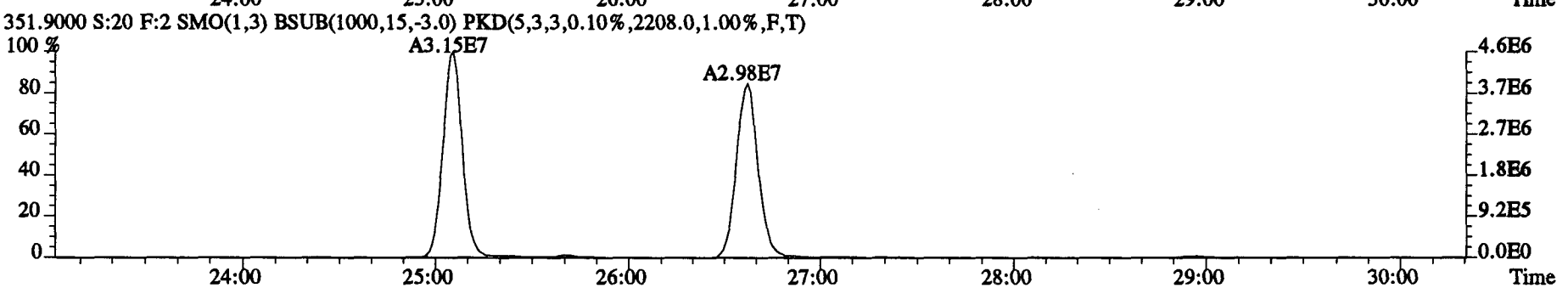
File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

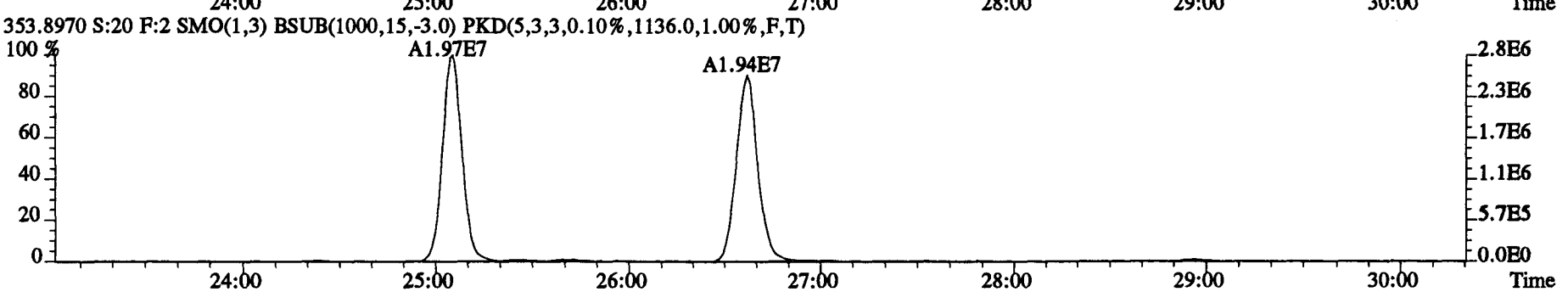


File:01SE104D5 #1-470 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

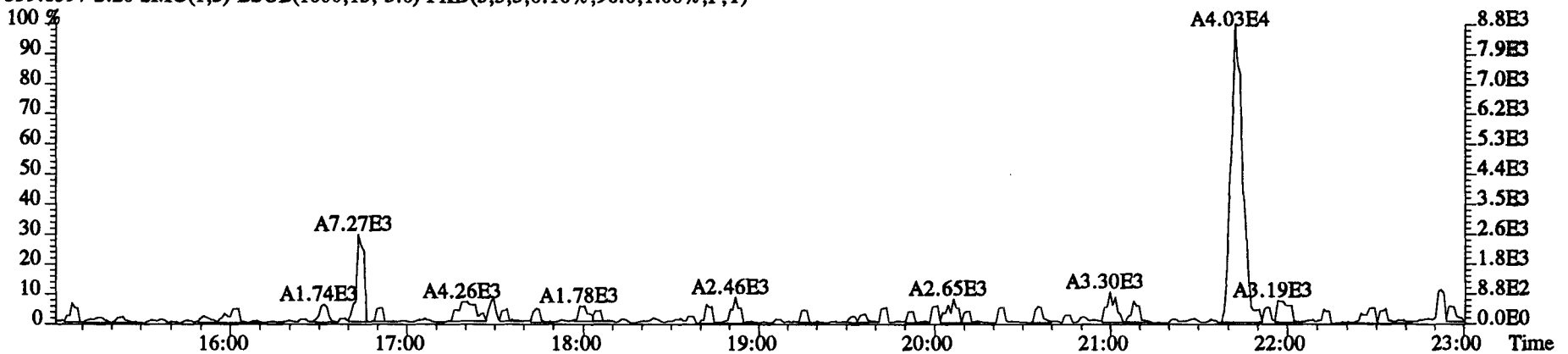




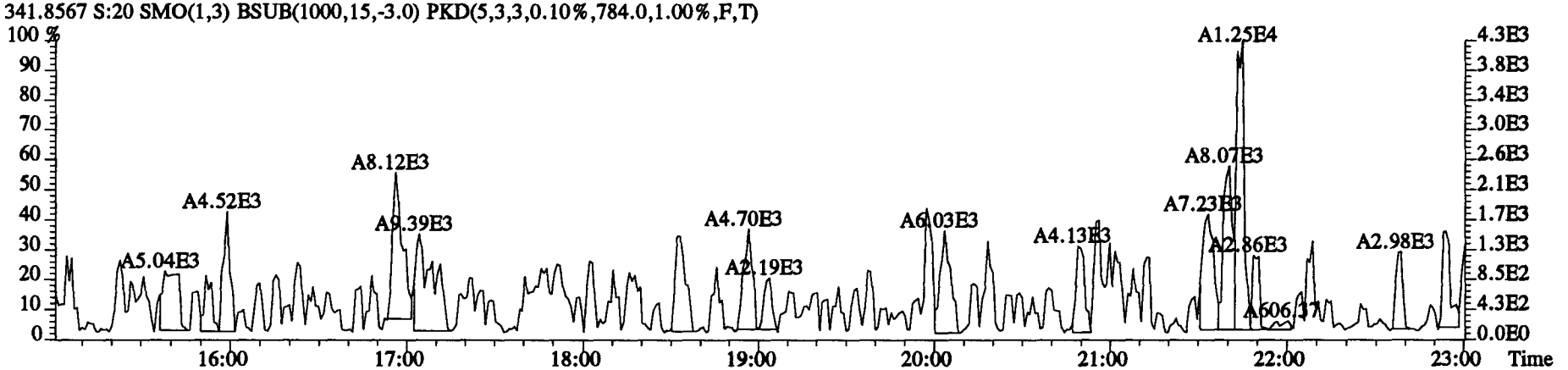




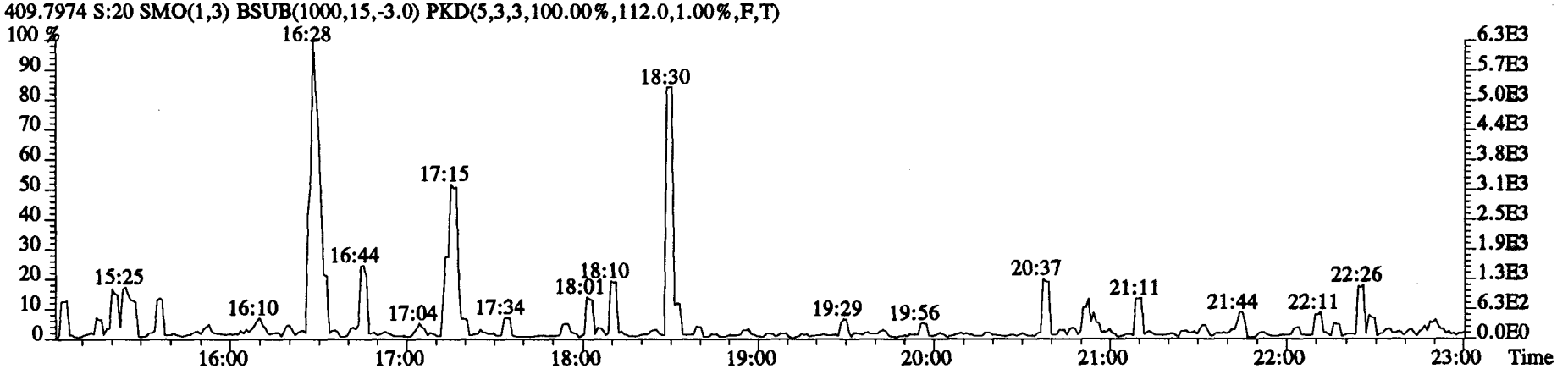
File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
339.8597 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



341.8567 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,784.0,1.00%,F,T)

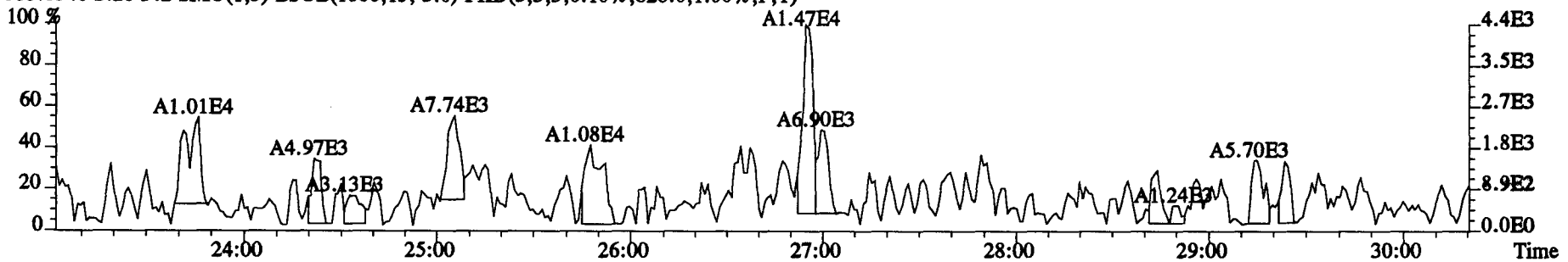


409.7974 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,112.0,1.00%,F,T)

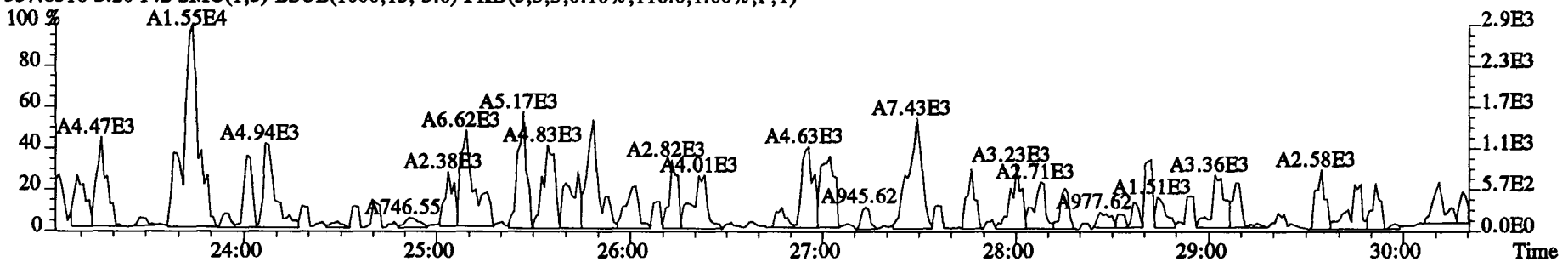


File:01SE104D5 #1-470 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

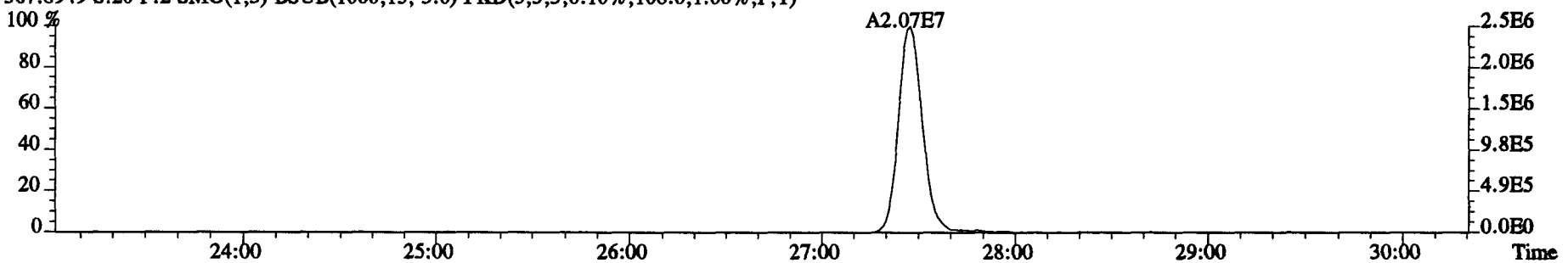
355.8546 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)



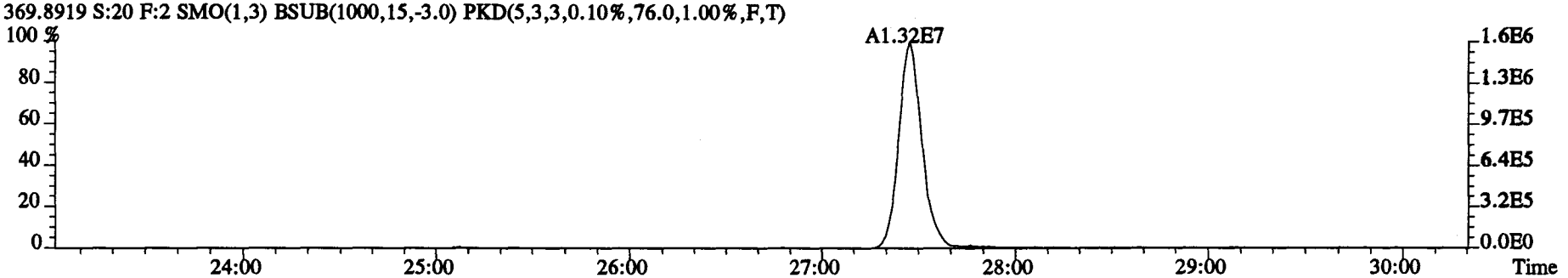
357.8516 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



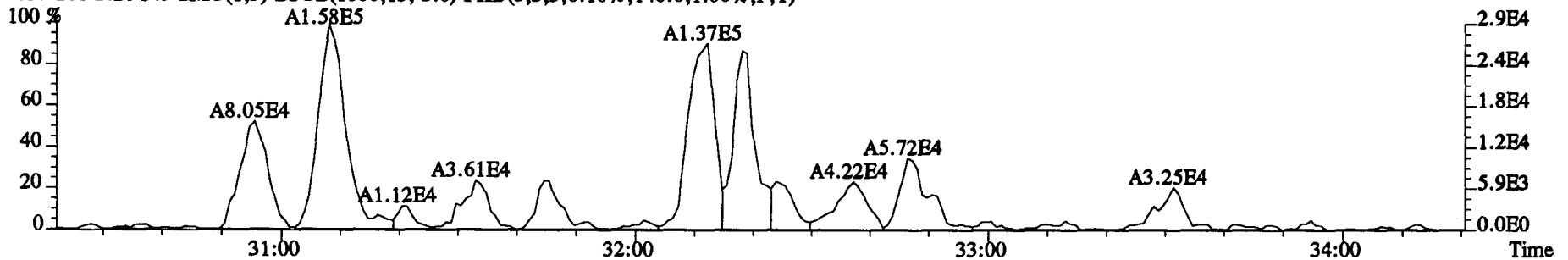
367.8949 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)



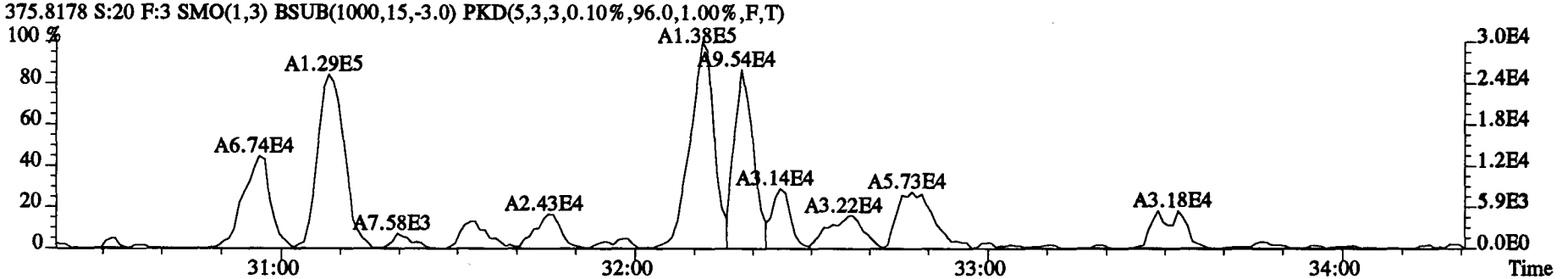
369.8919 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



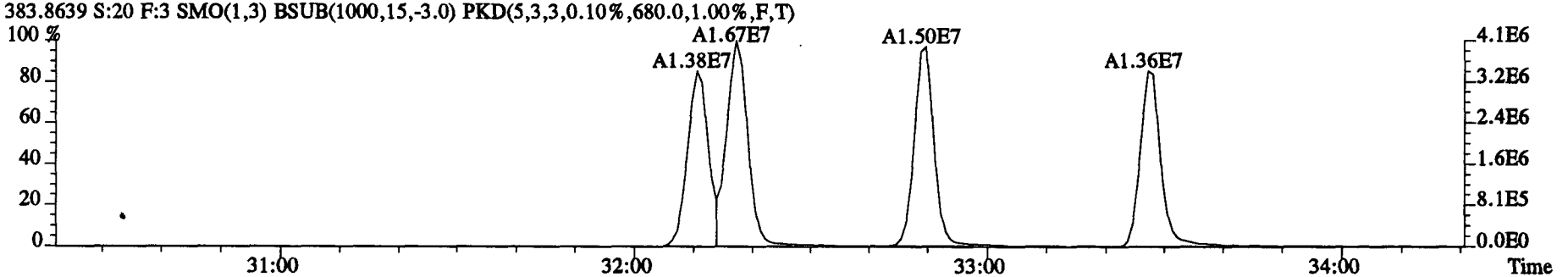
File:01SE104D5 #1-287 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



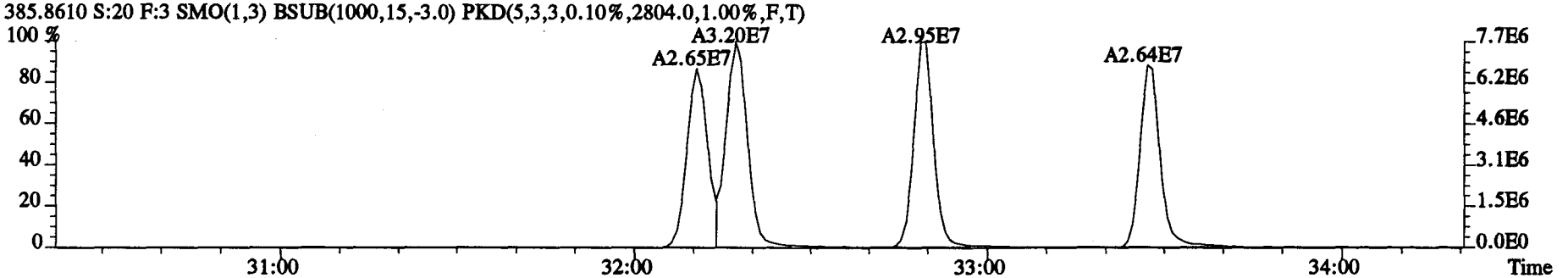
375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



383.8639 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)

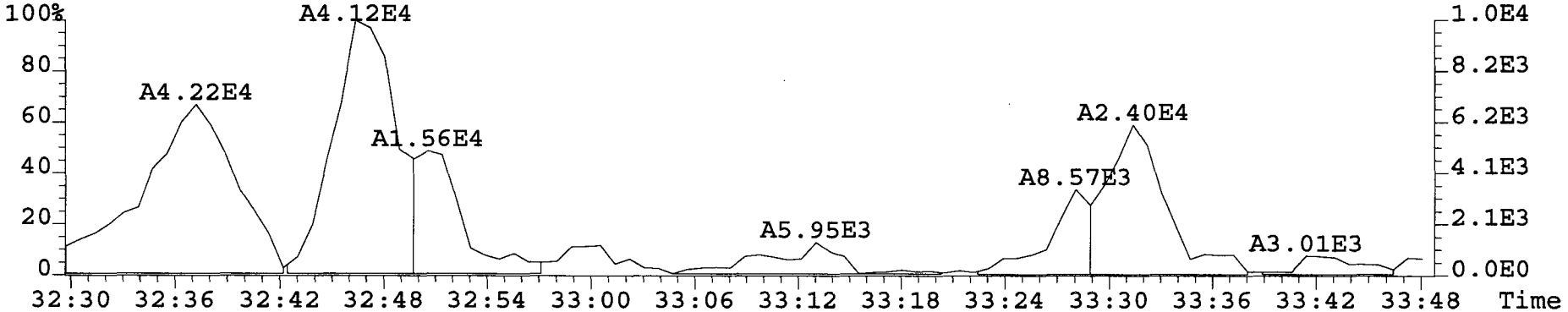


385.8610 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2804.0,1.00%,F,T)

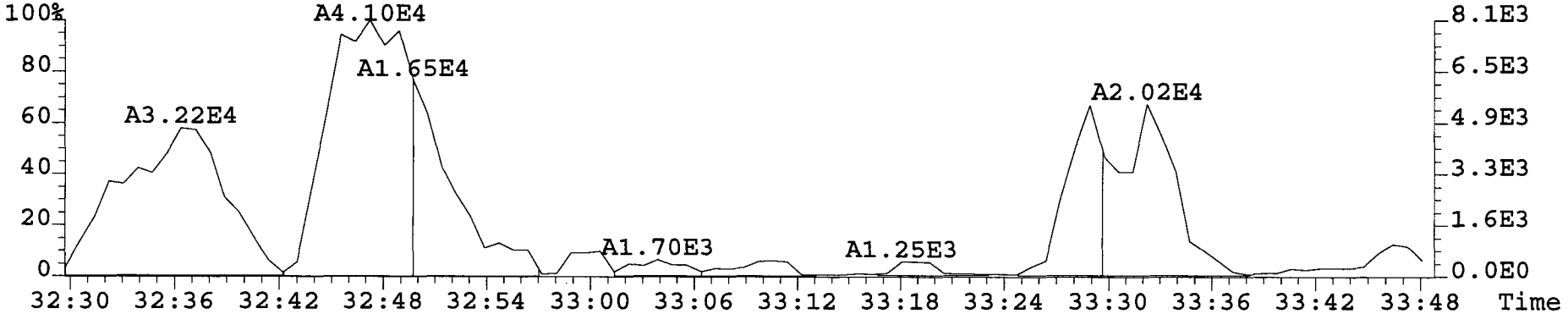


File:01SE104D5 #1-287 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

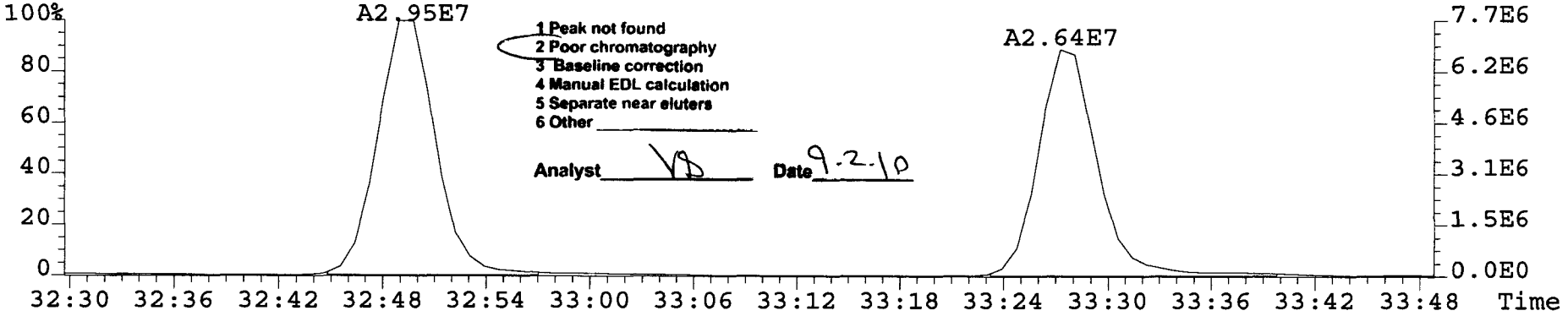
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



385.8610 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2804.0,1.00%,F,T)



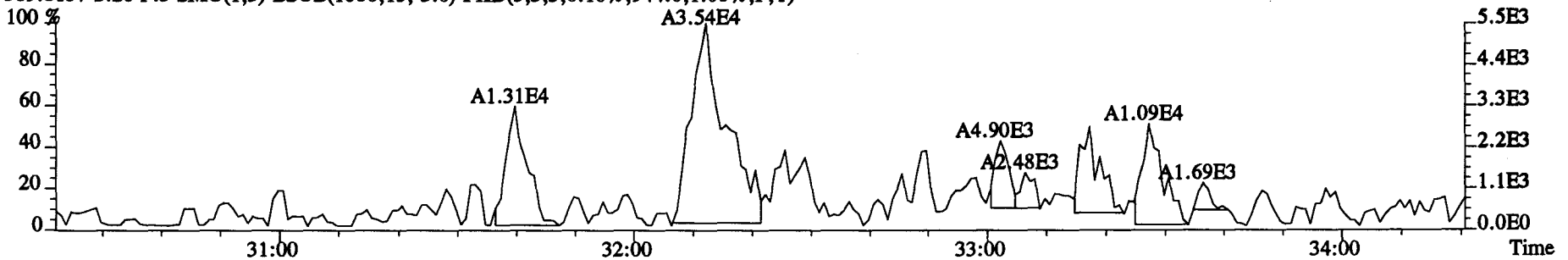
Manual Edit Codes:

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

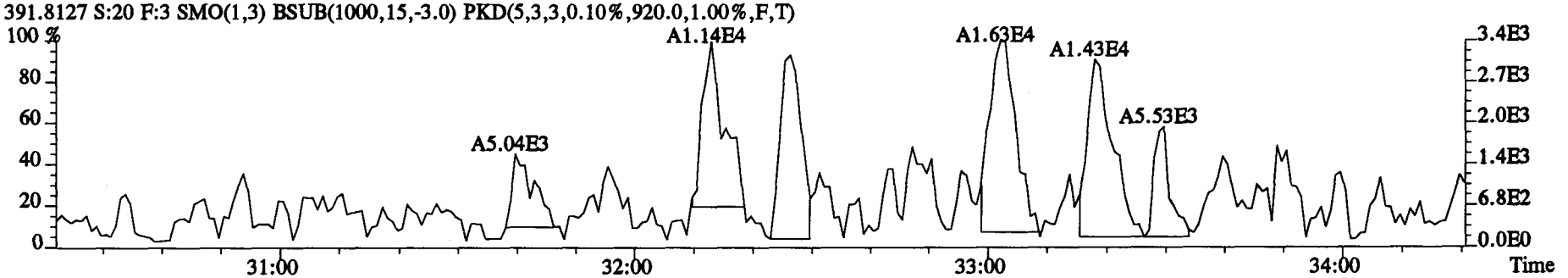
Analyst VB Date 9.2.10

File:01SE104D5 #1-287 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

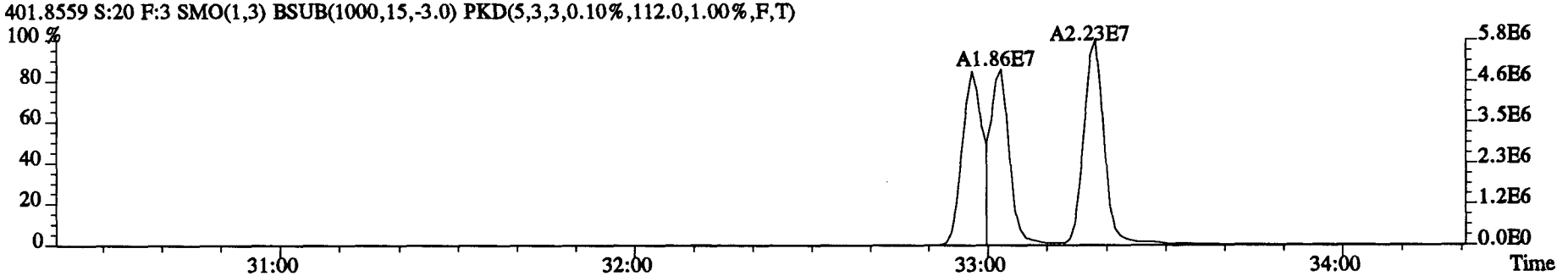
389.8157 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,944.0,1.00%,F,T)



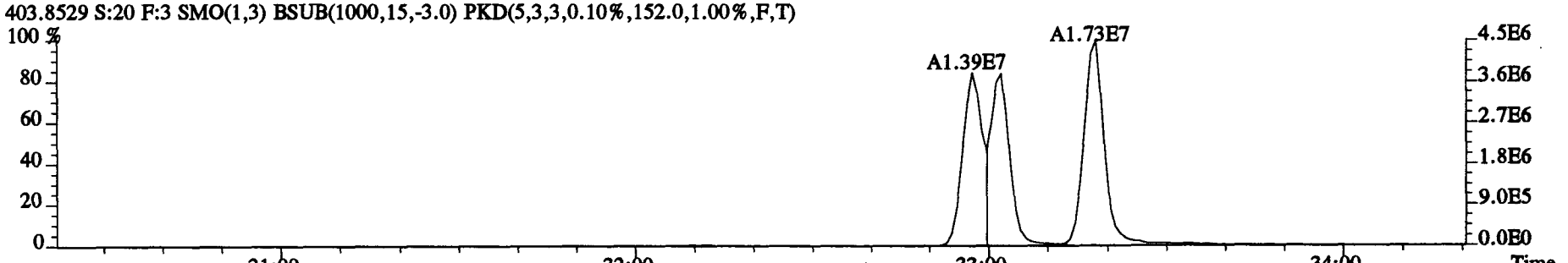
391.8127 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,920.0,1.00%,F,T)



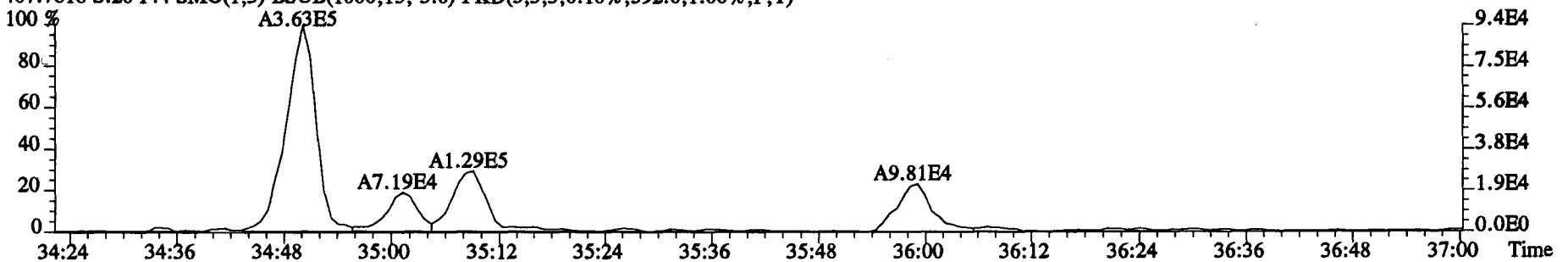
401.8559 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,112.0,1.00%,F,T)



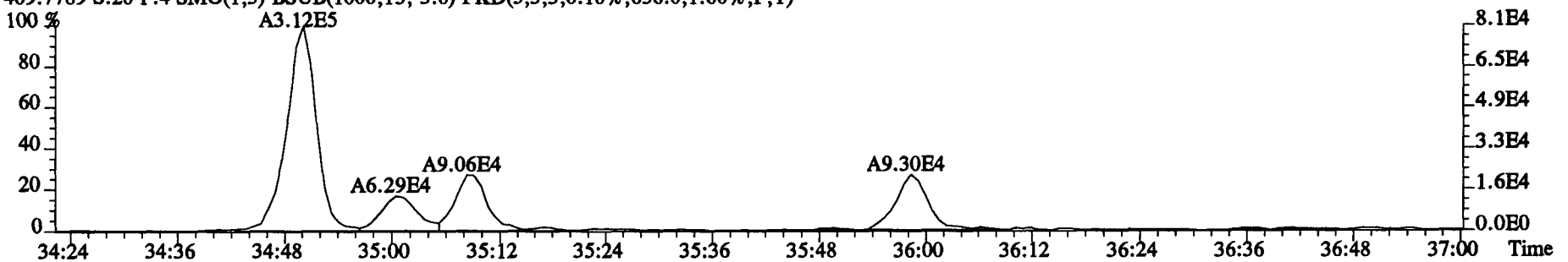
403.8529 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152.0,1.00%,F,T)



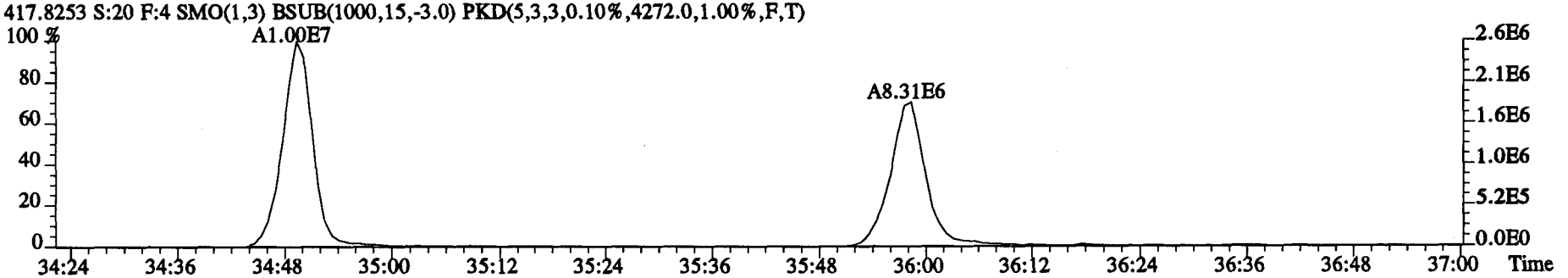
File:01SE104D5 #1-200 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
407.7818 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,592.0,1.00%,F,T)



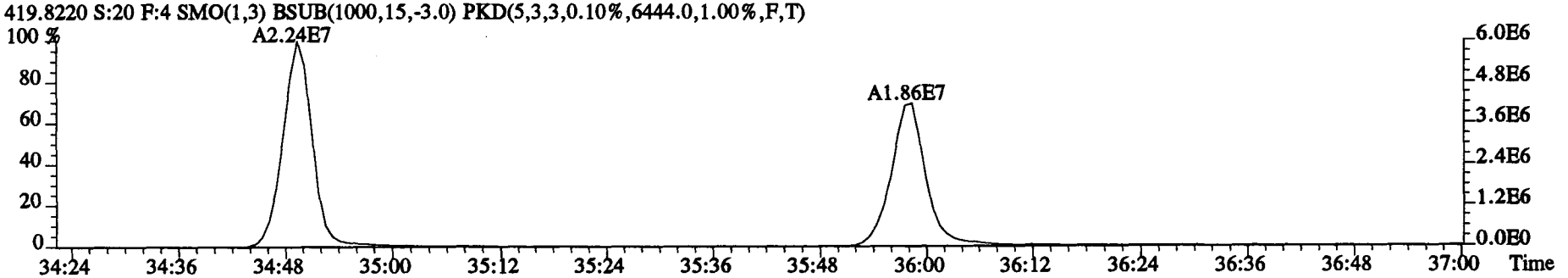
409.7789 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,656.0,1.00%,F,T)



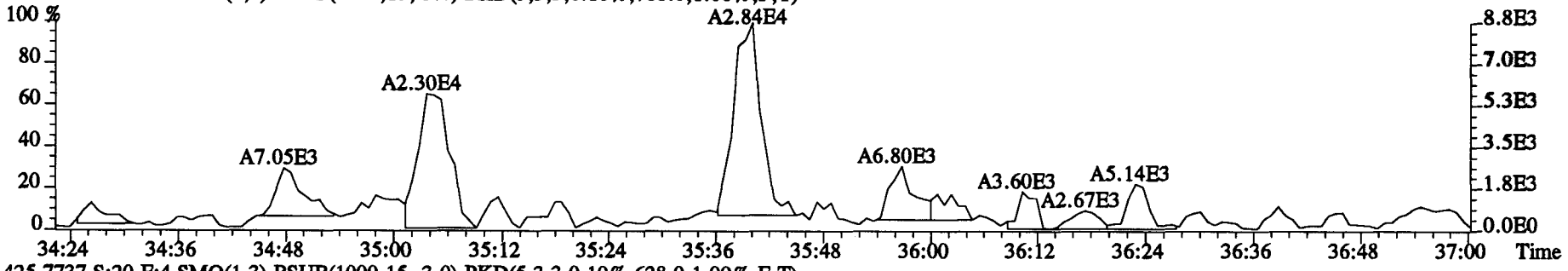
417.8253 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4272.0,1.00%,F,T)



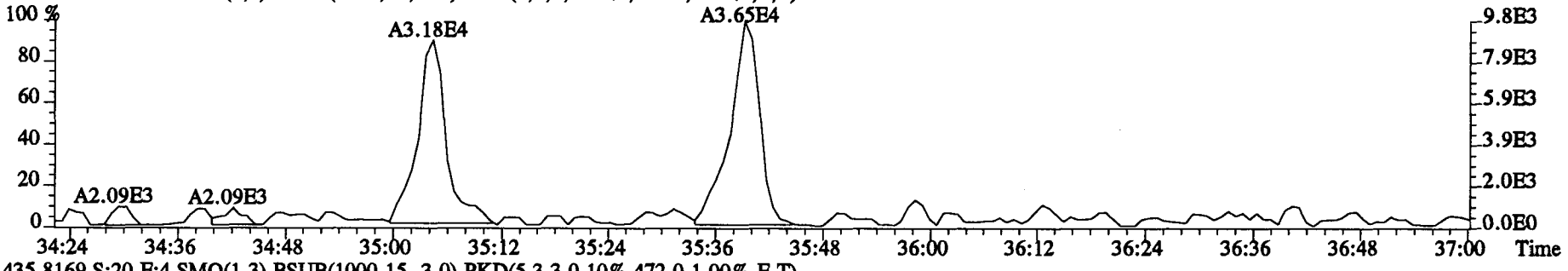
419.8220 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6444.0,1.00%,F,T)



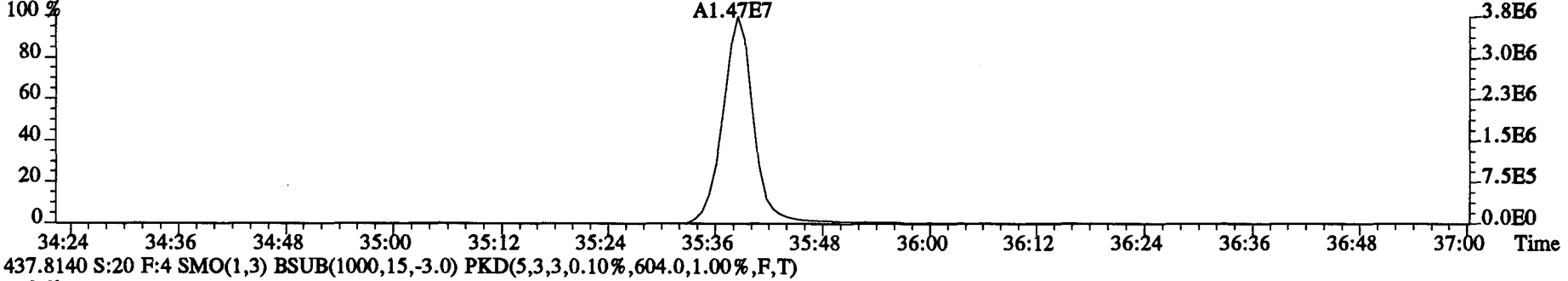
File:01SE104D5 #1-200 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
423.7766 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,788.0,1.00%,F,T)



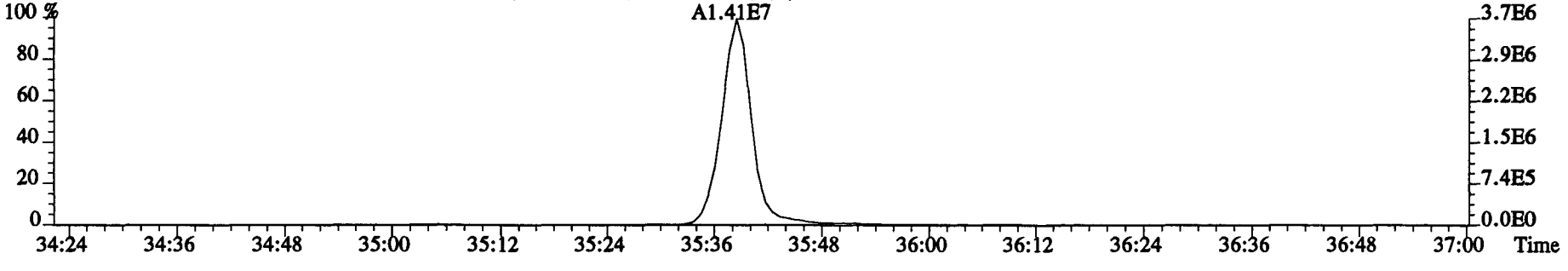
425.7737 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628.0,1.00%,F,T)



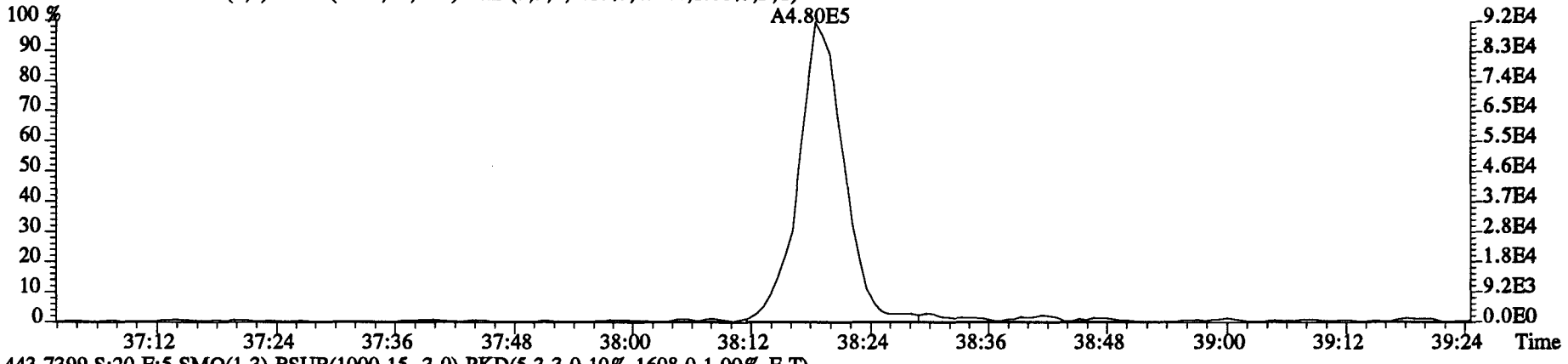
435.8169 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,472.0,1.00%,F,T)



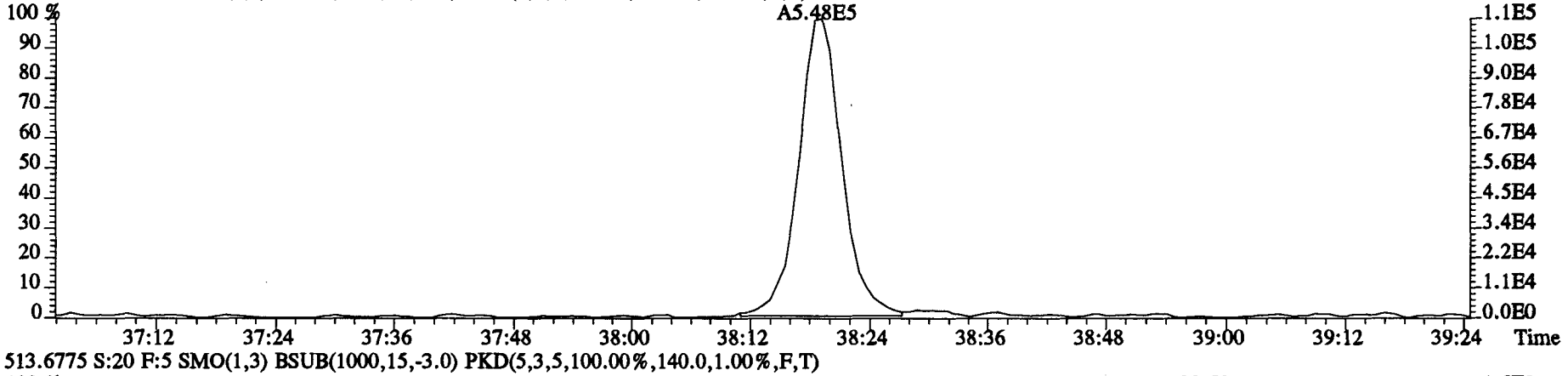
437.8140 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,604.0,1.00%,F,T)



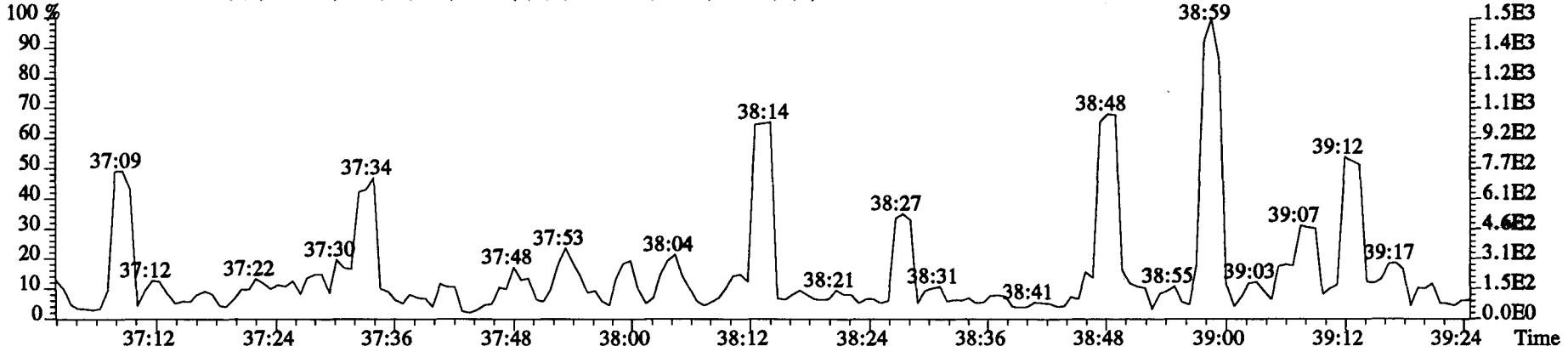
File:01SE104D5 #1-193 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
441.7428 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,496.0,1.00%,F,T)



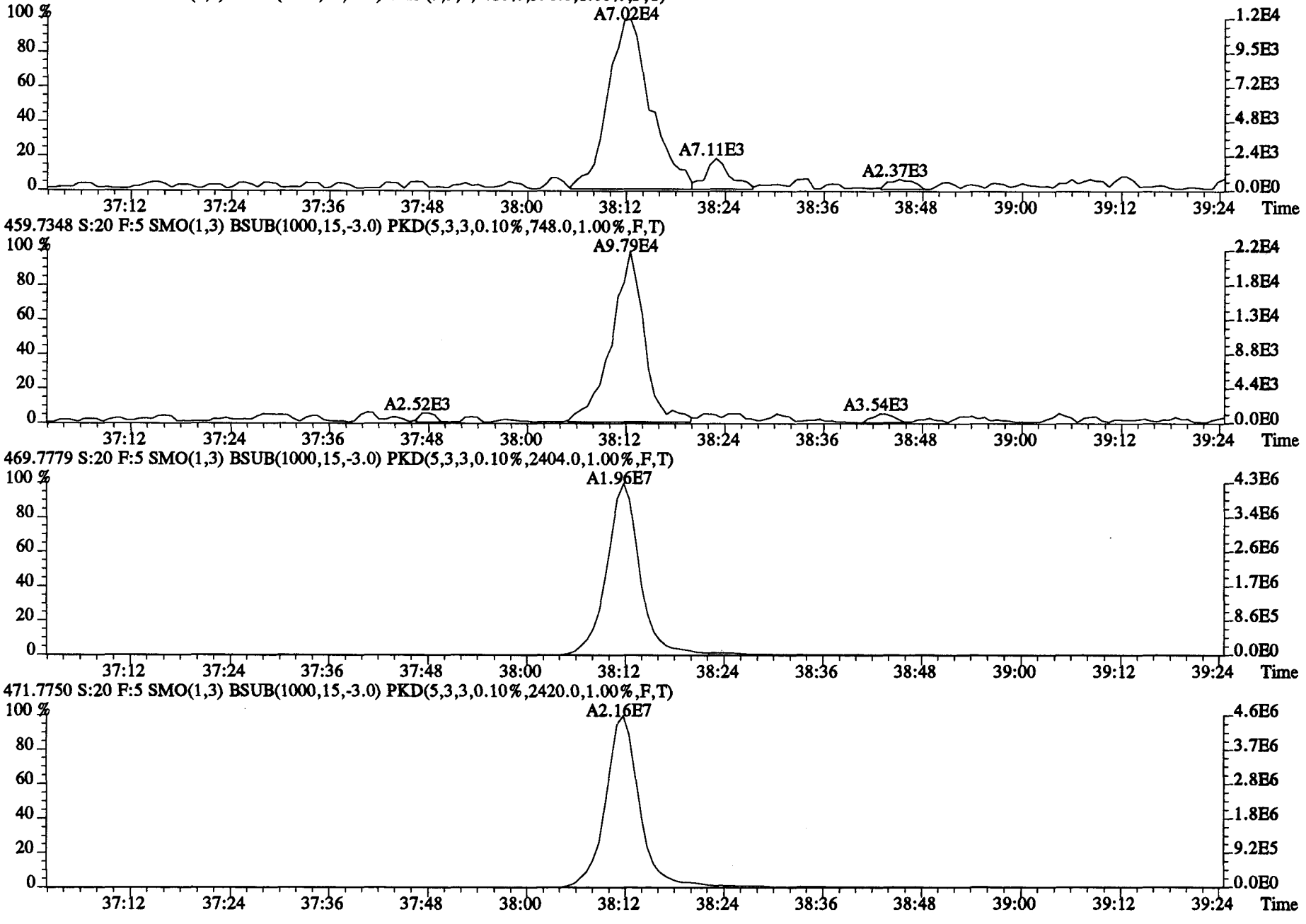
443.7399 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1608.0,1.00%,F,T)



513.6775 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,140.0,1.00%,F,T)

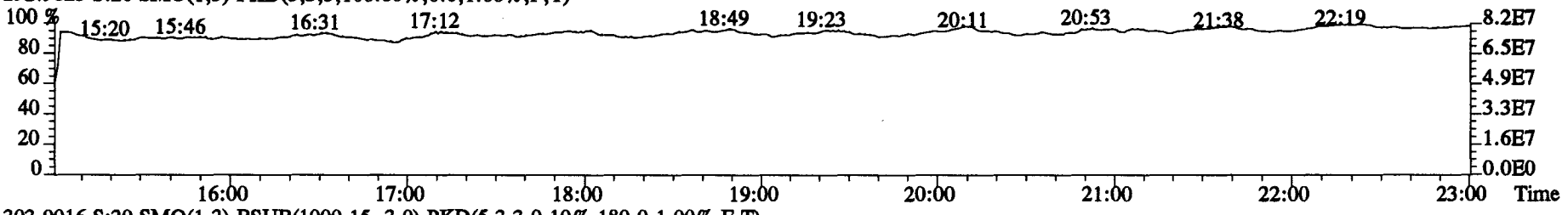


File:01SE104D5 #1-193 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

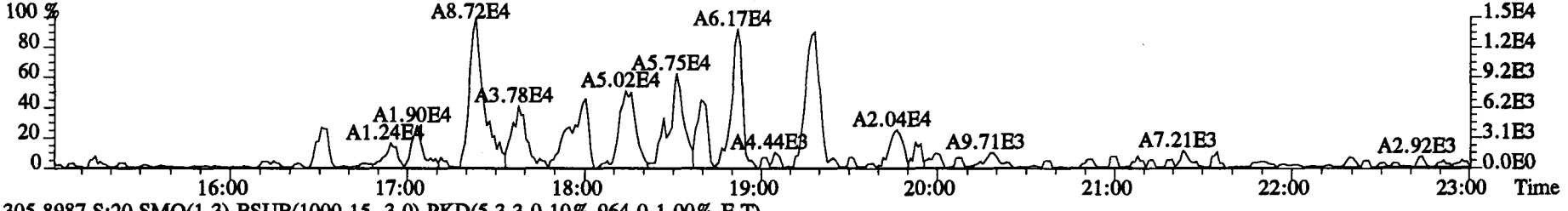


File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

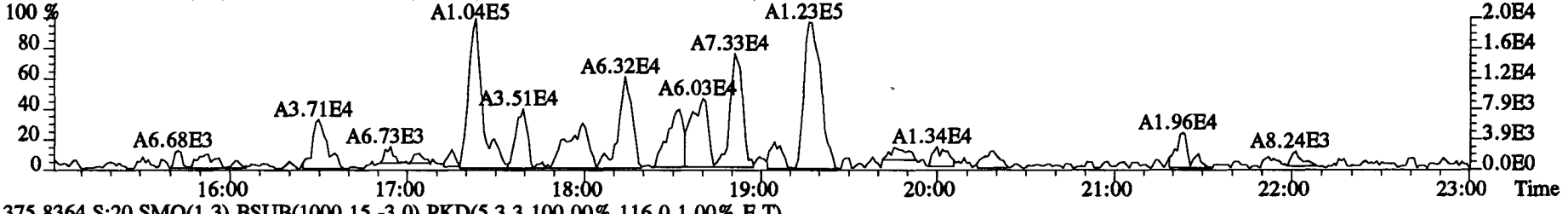
292.9825 S:20 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



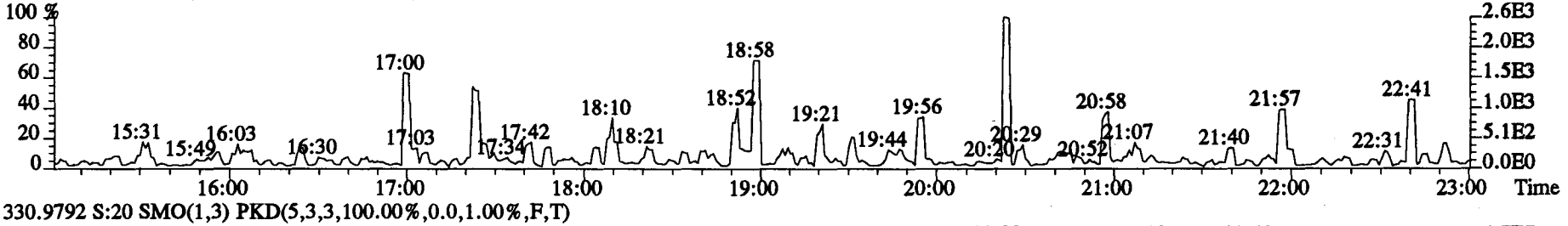
303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,180.0,1.00%,F,T)



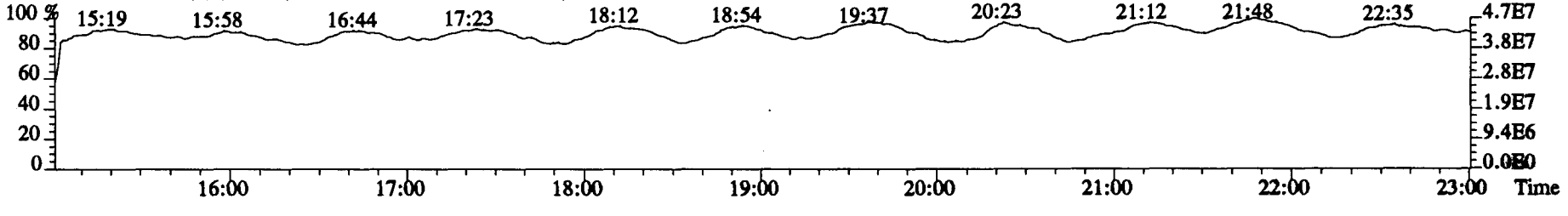
305.8987 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)



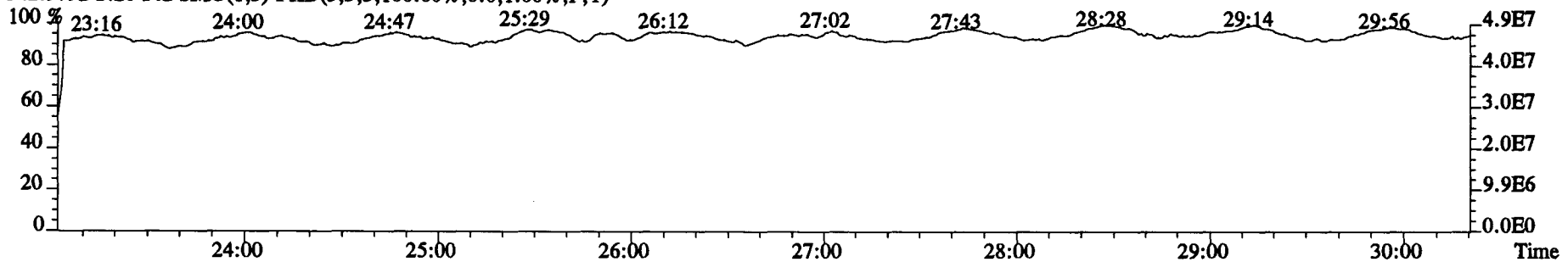
375.8364 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)



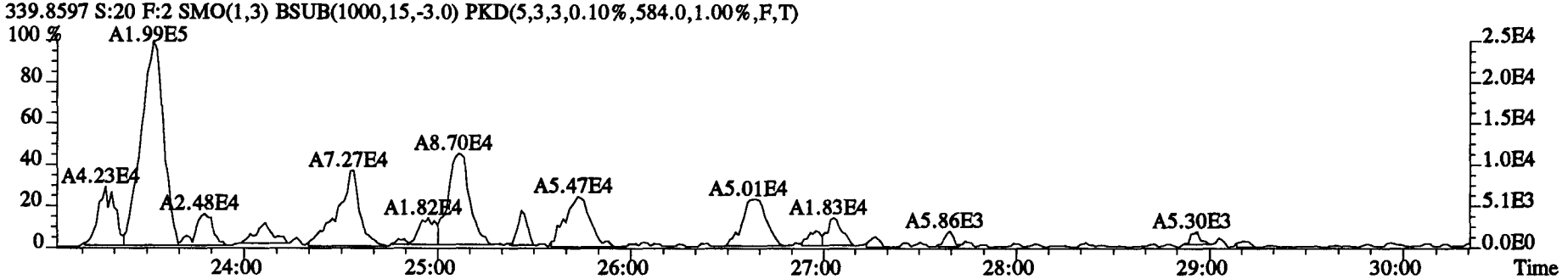
330.9792 S:20 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



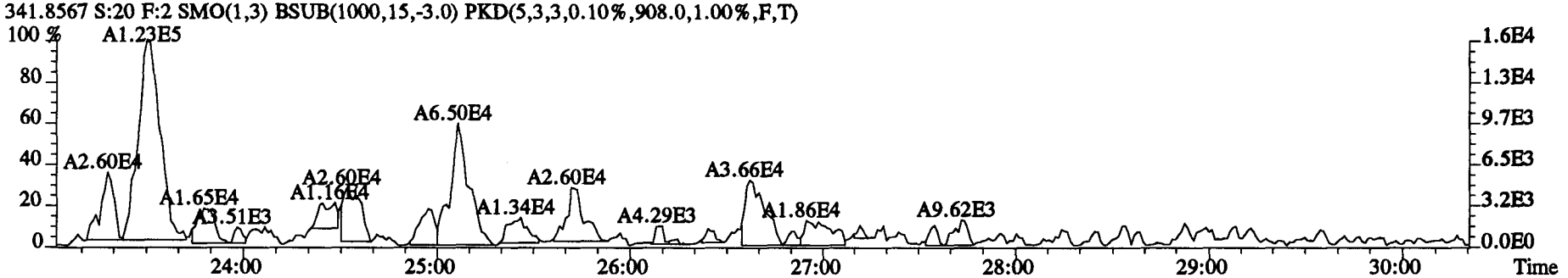
File:01SE104D5 #1-470 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
342.9792 S:20 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



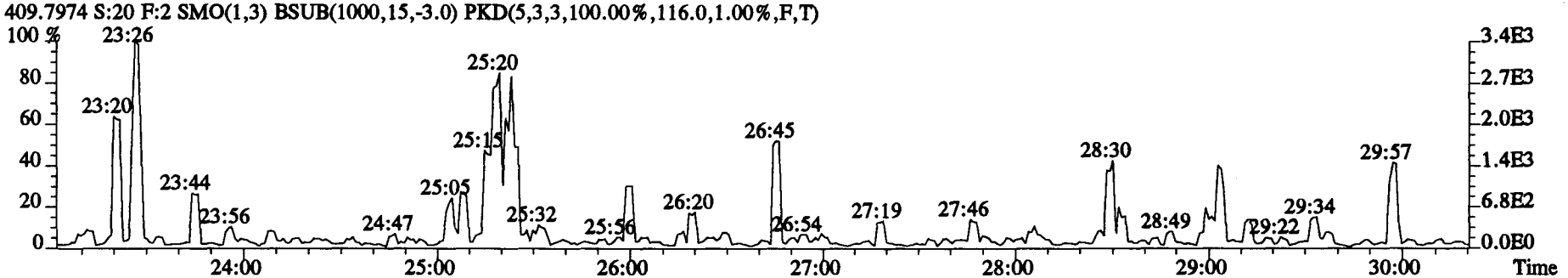
339.8597 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,584.0,1.00%,F,T)



341.8567 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)

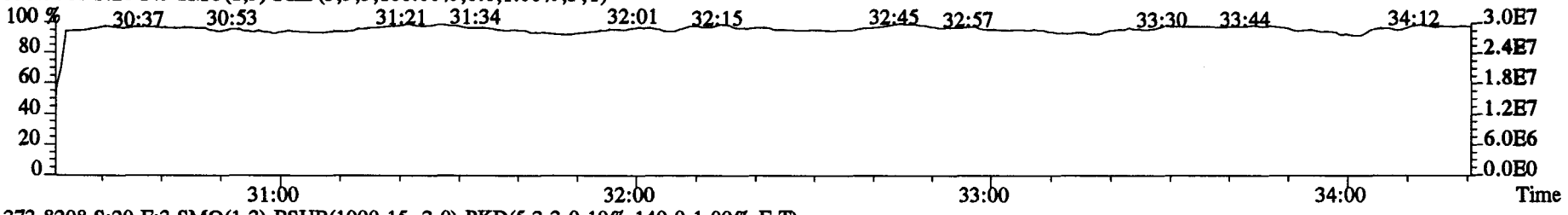


409.7974 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)

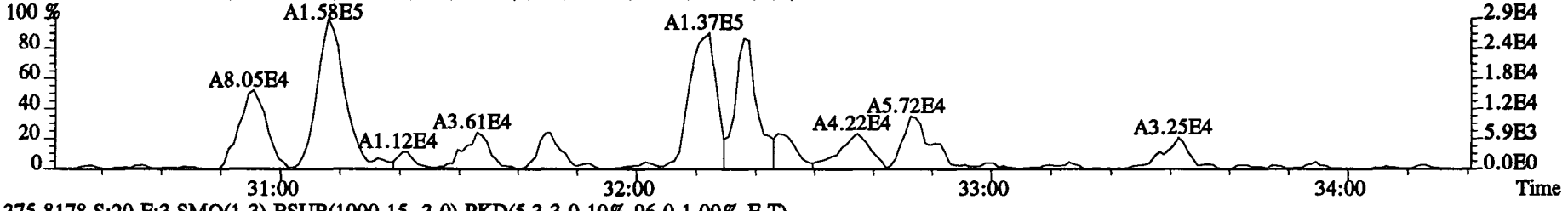


File:01SE104D5 #1-287 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES

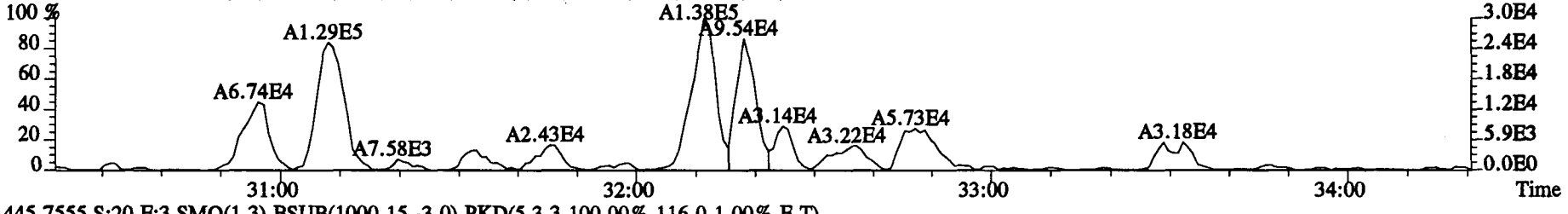
392.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



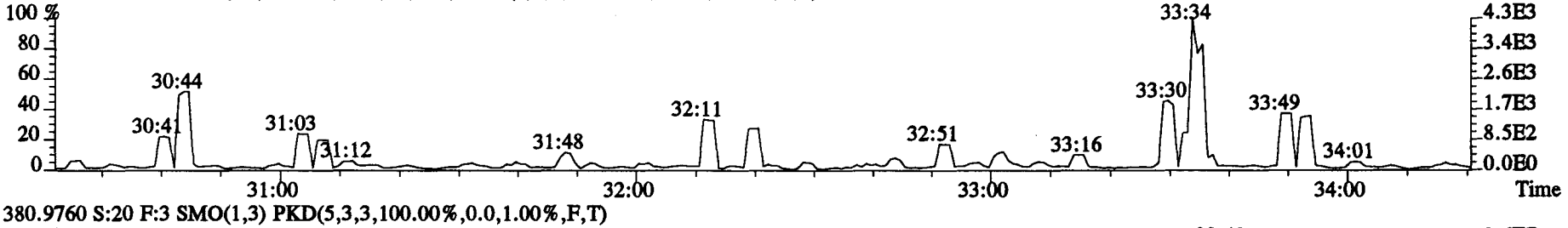
373.8208 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



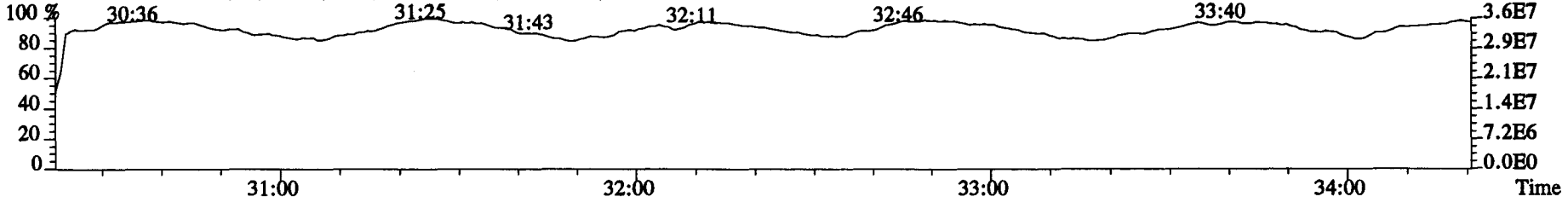
375.8178 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



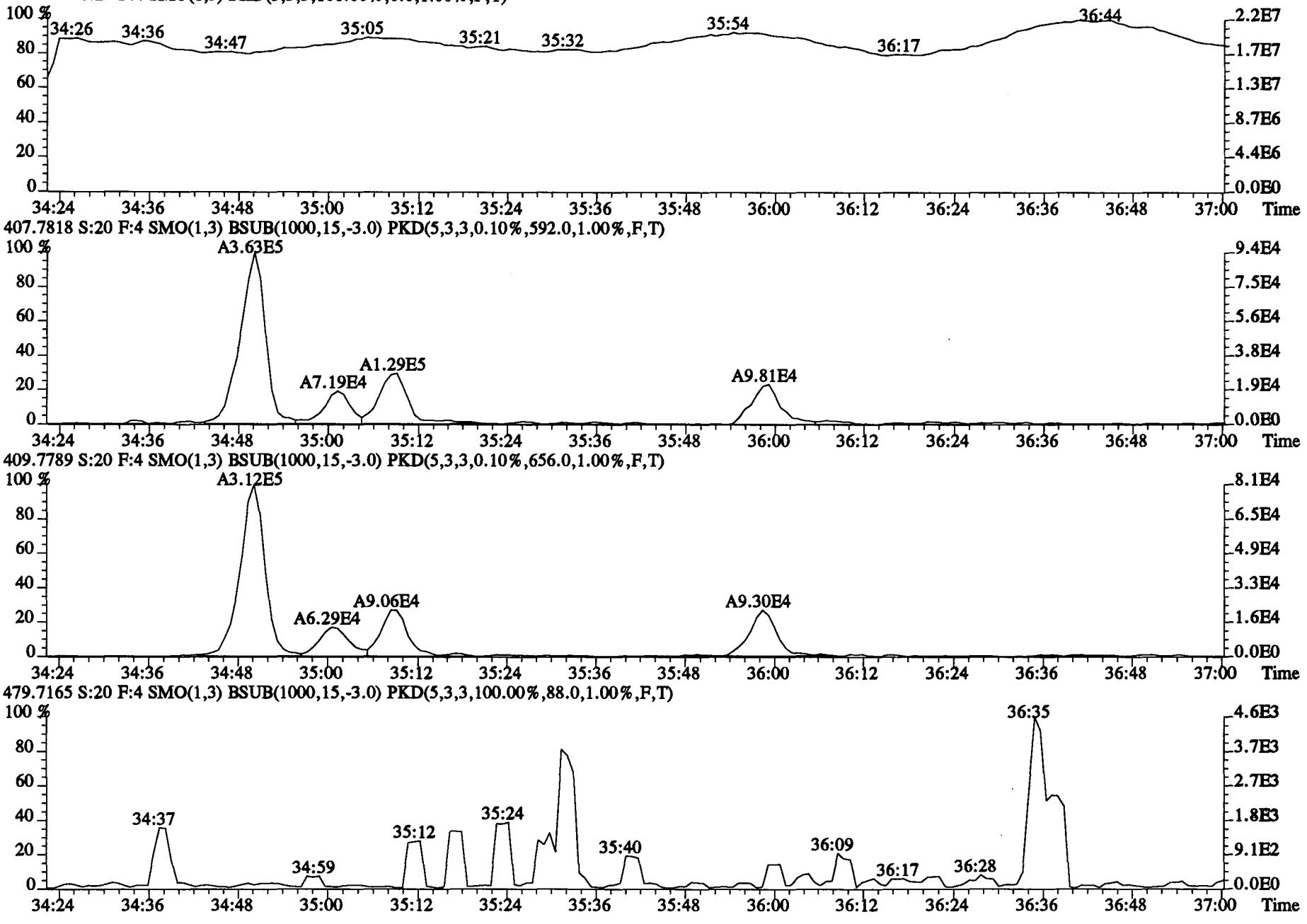
445.7555 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)



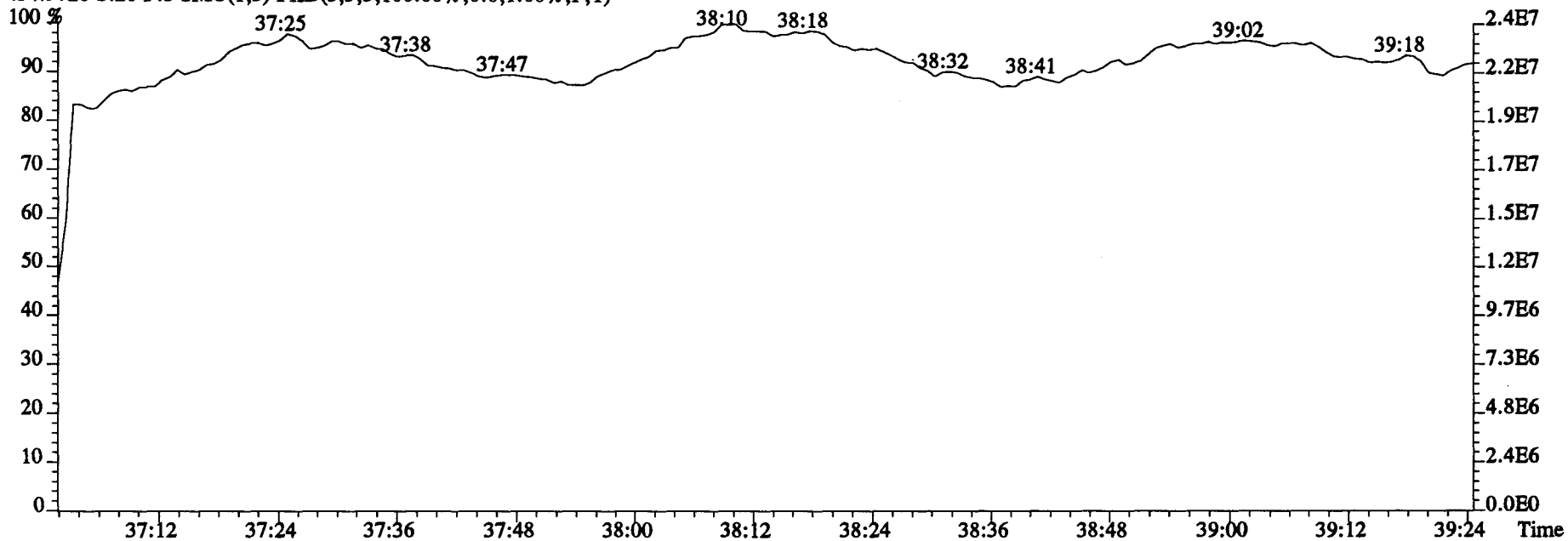
380.9760 S:20 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



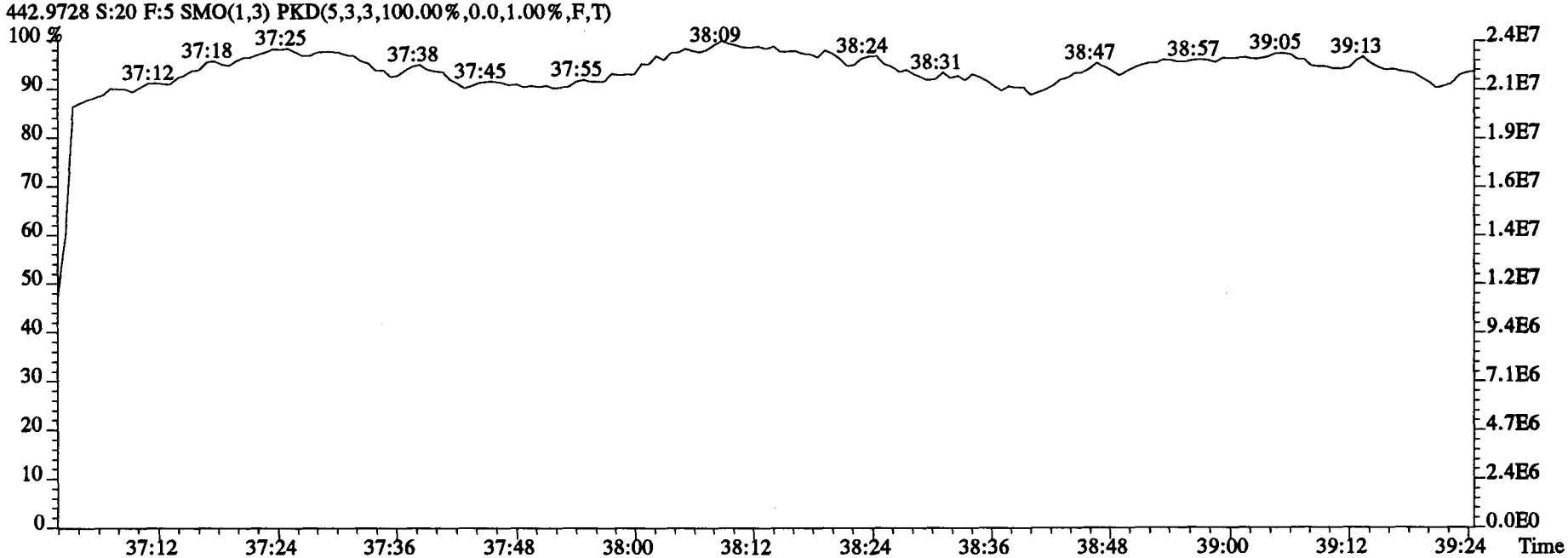
File:01SE104D5 #1-200 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES



File:01SE104D5 #1-193 Acq: 2-SEP-2010 00:10:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#20 Text:L5634-1-AA :G0H260533-2 Exp:DIOXINRES
454.9728 S:20 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:20 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5
Run #9 Filename: 01SE104D5 S: 21 I: 1 Results: 01SE104D5TO9
Acquired: 2-SEP-10 00:55:22 Processed: 2-SEP-10 12:24:50
Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	54784500	0.81	y	19:51	-	32.806	-	-	n
13C-2,3,7,8-TCDF	67604700	0.81	y	19:16	1.23	4015.190	1.303	100.4	n
2,3,7,8-TCDF	*	*	n	NotFnd	0.99	*	0.987	-	n
Total TCDF	64134	1.04	n	15:34	0.99	~~3.816~~	0.987	-	n
13C-2,3,7,8-TCDD	46135600	0.81	y	20:05	0.91	3721.887	5.938	93.0	n
2,3,7,8-TCDD	6293	0.17	n	20:04	0.98	noise 0.555 DL	0.341	-	n
Total TCDD	200460	0.83	y	15:23	0.98	~~17.672~~ 1.02 DL	0.341	-	n
37Cl-2,3,7,8-TCDD	41803600	1.00	y	20:05	1.33	2733.198	0.220	170.8	n
13C-1,2,3,7,8-PeCDF	51348900	1.58	y	25:06	0.88	4279.615	3.947	107.0	n
1,2,3,7,8-PeCDF	5716	1.18	n	25:06	1.08	~~0.414~~	1.175	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.05	*	1.210	-	n
Total F2 PeCDF	63812	1.00	n	23:32	1.06	~~4.679~~	~~1.292~~	-	n
Total F1 PeCDF	29157	0.22	n	15:30	1.06	~~3.140~~ 1.24 DL	~~1.357~~	-	n
13C-1,2,3,7,8-PeCDD	34261900	1.59	y	27:28	0.66	3785.536	1.960	94.6	n
1,2,3,7,8-PeCDD	10255	1.29	n	27:31	~~0.93~~ 1.11	~~1.294~~	4.051	-	n
Total PeCDD	27486	5.15	n	25:05	0.93	~~3.467~~	4.051	-	n
13C-1,2,3,7,8,9-HxCDD	37335000	1.29	y	33:18	-	31.533	-	-	n
13C-1,2,3,4,7,8-HxCDF	38012300	0.52	y	32:11	1.04	3897.988	3.499	97.4	n
1,2,3,4,7,8-HxCDF	6764	1.30	y	32:13	1.22	noise 0.585 DL	0.289	-	n
1,2,3,6,7,8-HxCDF	6581	1.99	n	32:17	1.28	0.540 DL	0.275	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.23	*	0.286	-	n
1,2,3,7,8,9-HxCDF	5831	2.22	n	33:29	1.10	noise 0.559 DL	0.321	-	n
Total HxCDF	65316	6.33	n	30:44	1.21	~~5.704~~	~~0.292~~ 0.65 DL	-	n
13C-1,2,3,6,7,8-HxCDD	31635800	1.34	y	33:02	0.83	4079.725	0.380	102.0	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.04	*	1.975	-	n
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	1.16	*	1.762	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.18	*	1.733	-	n
Total HxCDD	13909	1.23	y	32:18	1.13	~~1.560~~ 1.97 DL	~~1.817~~	-	n
13C-1,2,3,4,6,7,8-HpCDF	30741950	0.43	y	34:49	0.91	3619.288	15.305	90.5	n
1,2,3,4,6,7,8-HpCDF	10764	9.05	n	34:48	1.35	~~1.041~~	1.434	-	n
1,2,3,4,7,8,9-HpCDF	6041	0.69	n	35:54	1.09	~~0.719~~	1.765	-	n
Total HpCDF	33999	9.05	n	34:48	1.22	~~3.594~~ 1.76 DL	~~1.583~~	-	n
13C-1,2,3,4,6,7,8-HpCDD	27624300	1.07	y	35:39	0.83	3580.442	5.973	89.5	n
1,2,3,4,6,7,8-HpCDD	18941	0.81	n	35:40	1.07	2 S/N 2.559 DL	2.008	-	n
Total HpCDD	61758	1.32	n	34:43	1.07	~~8.344~~ 3.36	~~2.008~~	-	n
13C-OCDD	37665500	0.88	y	38:12	0.62	6509.793	7.534	81.4	n

OCDF	5369	0.30	n	38:20	1.37	~~0.832~~	2.458	-	n
OCDD	54386	0.82	y	38:12	1.20	9.632 J	1.216	-	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:12
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D5

Amount:	1.91 of which	* named and	1.91	unnamed	
Conc:	3.82 of which	* named and	3.82	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:34	1.04	n	0.34	3405	4.1	y	n
						3267	1.3	n	n
	2	15:56	0.68	y	0.34	2341	2.7	n	n
						3428	1.0	n	n
	3	16:02	1.40	n	0.36	4793	6.1	y	n
						3428	1.0	n	n
	4	17:41	1.02	n	0.40	3853	6.0	y	n
						3785	1.0	n	n
	5	19:49	0.45	n	0.30	2202	3.1	y	n
						4902	1.9	n	n
	6	19:53	0.91	n	0.52	4472	3.0	y	n
						4902	1.9	n	n
	7	20:25	0.24	n	0.18	1293	1.3	n	n
						5393	2.1	n	n
	8	21:03	0.08	n	0.16	1200	2.0	n	n
						14169	4.0	y	n
	9	21:07	0.14	n	0.28	2035	2.4	n	n
						14169	4.0	y	n
	10	22:17	0.60	n	0.34	2484	3.9	y	n
						4125	2.0	n	n
	11	22:22	0.44	n	0.25	1835	1.7	n	n
						4125	2.0	n	n
	12	22:41	0.39	n	0.34	2498	2.7	n	n
						6434	1.6	n	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:40
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D5

Amount:	8.84 of which	0.28 named and	8.56	unnamed
Conc:	17.67 of which	0.55 named and	17.12	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:23	0.83	y	0.68	3508	6.1	y	n
						4227	7.9	y	n
	2	15:39	0.13	n	0.13	647	1.5	n	n
						4876	13.7	y	n
	3	15:52	0.31	n	0.26	1263	3.5	y	n
						4087	5.8	y	n
	4	15:57	0.52	n	0.43	2137	4.0	y	n
						4087	5.8	y	n
	5	16:13	0.76	y	0.89	4343	8.1	y	n
						5729	10.5	y	n
	6	16:21	5.21	n	0.18	5936	7.9	y	n
						1140	3.0	n	n
	7	16:34	0.21	n	0.35	1704	4.5	y	n
						8133	10.3	y	n
	8	16:54	1.37	n	0.43	3800	7.5	y	n
						2781	4.9	y	n
	9	17:02	0.77	y	0.13	639	1.8	n	n
						827	1.3	n	n
	10	17:12	0.20	n	0.38	1873	3.6	y	n
						9524	19.8	y	n
	11	17:33	1.18	n	0.46	3472	7.9	y	n
						2946	7.1	y	n
	12	17:48	0.91	n	0.63	3693	6.6	y	n
						4042	7.4	y	n
	13	18:00	1.43	n	0.44	4037	6.2	y	n
						2831	6.6	y	n
	14	18:12	0.30	n	0.35	1726	4.6	y	n
						5764	10.6	y	n
	15	18:32	1.41	n	0.32	2880	6.7	y	n
						2042	5.6	y	n
	16	18:37	0.77	y	0.59	2890	8.9	y	n

						3770	6.5	y	n
	17	18:42	0.91	n	0.59	3432	9.7	y	n
						3770	6.5	y	n
	18	18:48	0.94	n	1.02	6174	16.7	y	n
						6562	9.6	y	n
	19	18:56	0.32	n	0.23	1132	2.0	n	n
						3566	7.4	y	n
	20	19:03	0.75	y	0.89	4298	9.3	y	n
						5767	8.9	y	n
	21	19:16	0.76	y	0.94	4601	9.2	y	n
						6045	12.6	y	n
	22	19:20	0.55	n	0.63	3130	8.2	y	n
						5717	8.3	y	n
	23	19:34	11.06	n	0.10	6766	12.3	y	n
						612	2.2	n	n
	24	19:40	3.99	n	0.10	2444	7.3	y	n
						612	2.2	n	n
2,3,7,8-TCDD	25	20:04	0.17	n	0.55	2738	6.1	y	n
						15868	21.4	y	n
	26	20:19	0.90	n	0.38	2222	3.9	y	n
						2466	7.1	y	n
	27	20:33	0.19	n	0.31	1523	3.6	y	n
						8210	14.8	y	n
	28	20:40	0.58	n	0.34	1699	4.9	y	n
						2924	8.4	y	n
	29	20:45	0.38	n	0.51	2540	4.4	y	n
						6706	11.6	y	n
	30	21:21	3.33	n	0.21	4404	8.3	y	n
						1324	3.7	y	n
	31	21:37	1.27	n	0.55	4470	8.4	y	n
						3527	9.4	y	n
	32	21:42	0.59	n	0.26	1293	4.5	y	n
						2175	5.3	y	n
	33	21:46	0.47	n	0.24	1197	3.5	y	n
						2527	7.3	y	n
	34	21:53	0.43	n	0.05	259	0.7	n	n
						602	1.7	n	n
	35	22:11	0.33	n	0.28	1399	3.2	y	n
						4280	11.8	y	n
	36	22:21	0.30	n	0.31	1532	4.6	y	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:17
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	2.34 of which	0.21 named and	2.13 unnamed
Conc:	4.68 of which	0.41 named and	4.26 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:32	1.00	n	0.49	4095	8.7	y	n
						4080	1.8	n	n
	2	23:43	1.09	n	0.23	1935	4.7	y	n
						1778	0.7	n	n
	3	23:49	1.14	n	0.23	1939	6.4	y	n
						1699	0.6	n	n
	4	24:22	0.45	n	0.25	2036	5.5	y	n
						4528	2.3	n	n
	5	24:34	0.54	n	0.26	2164	5.1	y	n
						3972	1.1	n	n
1,2,3,7,8-PeCDF	6	25:06	1.18	n	0.41	3474	13.9	y	n
						2950	1.4	n	n
	7	25:10	2.08	n	0.55	6142	12.4	y	n
						2950	1.4	n	n
	8	25:21	0.33	n	0.20	1617	5.5	y	n
						4871	2.5	n	n
	9	26:27	1.02	n	0.44	3675	8.3	y	n
						3600	2.0	n	n
	10	26:47	0.51	n	0.15	1255	4.3	y	n
						2462	1.1	n	n
	11	26:57	0.79	n	0.64	5334	8.8	y	n
						6791	1.5	n	n
	12	27:07	0.39	n	0.17	1404	5.2	y	n
						3627	1.6	n	n
	13	27:56	0.42	n	0.21	1765	5.1	y	n
						4226	2.0	n	n
	14	28:39	0.15	n	0.05	434	1.4	n	n
						2854	1.5	n	n
	15	29:18	0.31	n	0.15	1271	4.8	y	n
						4123	1.4	n	n
	16	29:24	0.34	n	0.17	1397	3.4	y	n

					4123	1.4	n	n
	17	29:35	0.12	n	0.05	420	1.4	n	n
						3636	1.3	n	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:12
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	1.07	of which	* named and	1.07	unnamed
Conc:	2.14	of which	* named and	2.14	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:30	0.22	n	0.11	934	2.3	n	n
						4296	1.6	n	n
	2	15:41	0.98	n	0.32	2674	7.8	y	n
						2736	1.4	n	n
	3	16:54	0.14	n	0.29	2361	7.1	y	n
						17416	6.2	y	n
	4	16:59	0.03	n	0.05	454	0.8	n	n
						17416	6.2	y	n
	5	18:36	0.08	n	0.05	383	1.0	n	n
						4618	2.2	n	n
	6	19:40	0.59	n	0.37	3055	6.5	y	n
						5205	1.5	n	n
	7	21:15	0.20	n	0.07	546	1.5	n	n
						2768	1.2	n	n
	8	21:20	0.07	n	0.02	184	0.6	n	n
						2768	1.2	n	n
	9	21:44	0.56	n	0.32	2678	4.3	y	n
						4773	2.2	n	n
	10	21:51	1.26	n	0.35	2894	8.7	y	n
						2299	1.0	n	n
	11	21:55	0.13	n	0.04	300	0.6	n	n
						2299	1.0	n	n
	12	22:03	0.53	n	0.15	1260	3.5	y	n
						2385	1.1	n	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:3
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	1.73 of which	0.65 named and	1.09 unnamed
Conc:	3.47 of which	1.29 named and	2.17 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	25:05	5.15	n	0.52	8310	2.7	n	n
						1615	1.3	n	n
	2	26:54	3.54	n	1.65	18188	3.2	y	n
						5142	2.3	n	n
1,2,3,7,8-PeCDD	3	27:31	1.29	n	1.29	6233	2.3	n	n
						4842	2.3	n	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:20
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	2.85 of which	0.84 named and	2.01 unnamed
Conc:	5.70 of which	1.68 named and	4.02 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:44	6.33	n	0.06	1969	4.2	y	n
						311	0.8	n	n
	2	30:50	1.41	y	0.13	859	2.3	n	n
						611	1.6	n	n
	3	30:56	7.19	n	0.12	4396	6.9	y	n
						611	1.6	n	n
	4	31:13	4.14	n	0.32	6775	8.5	y	n
						1638	2.6	n	n
	5	31:38	2.34	n	0.25	3009	4.7	y	n
						1284	3.5	y	n
	6	31:46	1.20	y	0.65	4060	11.5	y	n
						3387	6.9	y	n
	7	32:06	1.53	n	0.38	2944	5.4	y	n
						1926	2.8	n	n
1,2,3,4,7,8-HxCDF	8	32:13	1.30	y	0.58	3826	11.6	y	n

						2938	4.7	y	n
1,2,3,6,7,8-HxCDF	9	32:17	1.99	n	0.54	5856	8.3	y	n
						2938	4.7	y	n
	10	32:26	1.16	y	0.46	2834	3.8	y	n
						2444	4.2	y	n
	11	32:41	0.93	n	0.36	2317	4.0	y	n
						2490	5.9	y	n
	12	32:46	0.76	n	0.30	1898	4.2	y	n
						2490	5.9	y	n
	13	32:57	1.59	n	0.16	1304	3.6	y	n
						821	2.1	n	n
	14	33:09	1.53	n	0.19	1484	2.6	n	n
						970	2.3	n	n
	15	33:13	1.35	y	0.20	1308	3.5	y	n
						970	2.3	n	n
	16	33:19	0.52	n	0.04	236	0.5	n	n
						452	0.8	n	n
1,2,3,7,8,9-HxCDF	17	33:29	2.22	n	0.56	5791	7.8	y	n
						2603	5.3	y	n
	18	33:38	3.64	n	0.05	977	2.4	n	n
						268	0.5	n	n
	19	33:48	2.28	n	0.11	1228	3.6	y	n
						538	1.3	n	n
	20	34:11	2.05	n	0.25	2640	5.7	y	n
						1287	2.3	n	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:2
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D5

Amount:	0.78 of which	* named and	0.78	unnamed
Conc:	1.56 of which	* named and	1.56	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:18	1.23	y	0.92	4533	1.5	n	n
						3680	2.0	n	n
	2	32:49	0.78	n	0.64	3154	1.6	n	n
						4024	2.2	n	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:3
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	1.80 of which	0.88 named and	0.92 unnamed
Conc:	3.59 of which	1.76 named and	1.83 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:48	9.05	n	1.04	47739	20.4	y	n
						5276	3.0	y	n
	2	35:09	1.57	n	1.83	13227	4.7	y	n
						8429	4.3	y	n
1,2,3,4,7,8,9-HpCDF	3	35:54	0.69	n	0.72	3080	1.3	n	n
						4492	2.0	n	n

Run Text: L564F-1-AA Sample text: L564F-1-AA :G0H260533-5

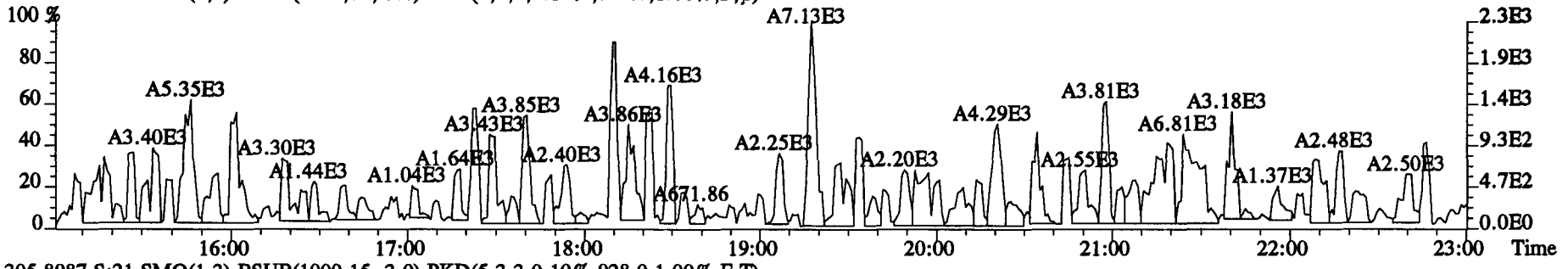
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 9 File: 01SE104D5 S:21 Acq:2-SEP-10 00:55:22
Tables: Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D

Amount:	4.17 of which	1.28 named and	2.89 unnamed
Conc:	8.34 of which	2.56 named and	5.79 unnamed

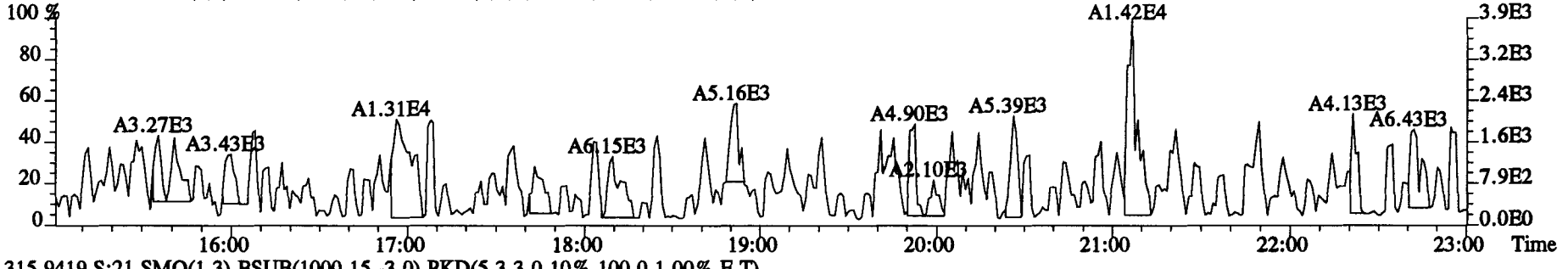
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	34:43	1.32	n	0.81	3894	1.8	n	n
						2946	2.0	n	n
	2	35:04	1.01	y	3.36	12498	4.2	y	n
						12392	8.3	y	n
1,2,3,4,6,7,8-HpCDD	3	35:40	0.81	n	2.56	9656	2.3	n	n
						11878	6.0	y	n
	4	35:58	2.35	n	1.61	13706	4.3	y	n
						5842	2.4	n	n

File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

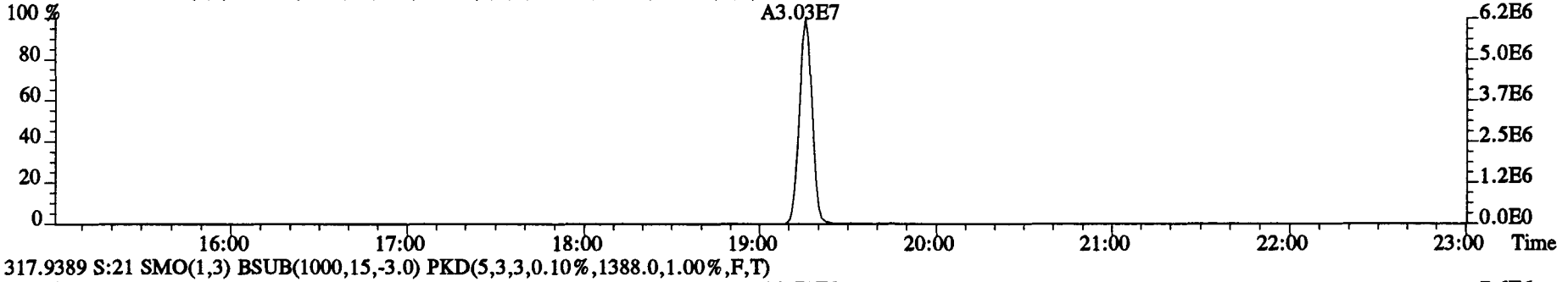
303.9016 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,204.0,1.00%,F,T)



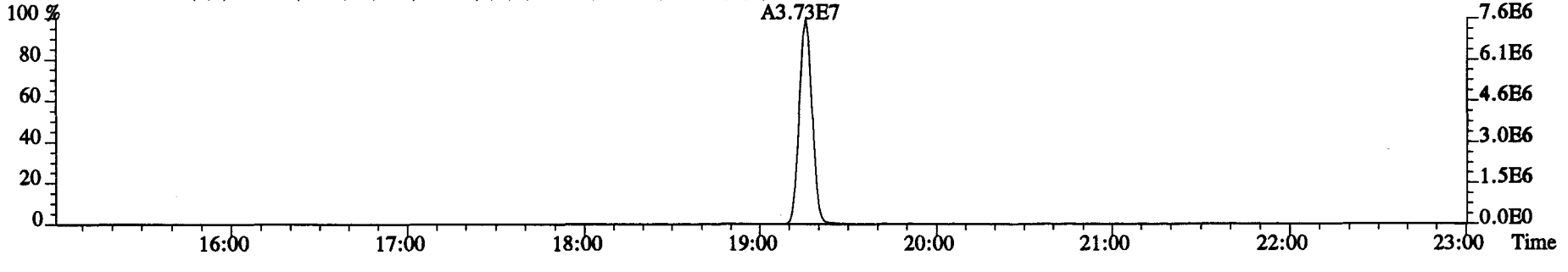
305.8987 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,928.0,1.00%,F,T)



315.9419 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)

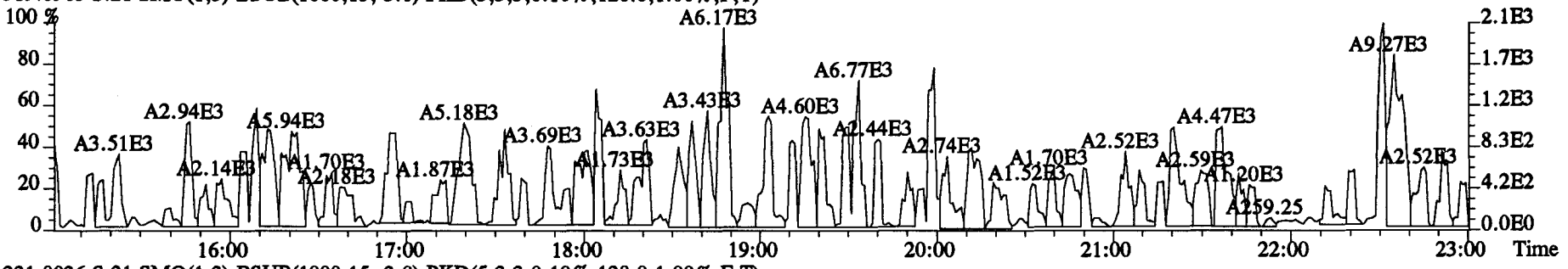


317.9389 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1388.0,1.00%,F,T)

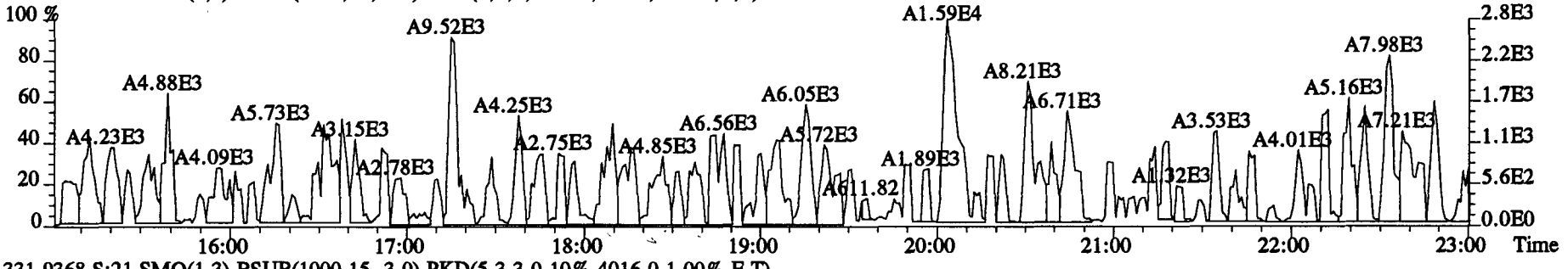


File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

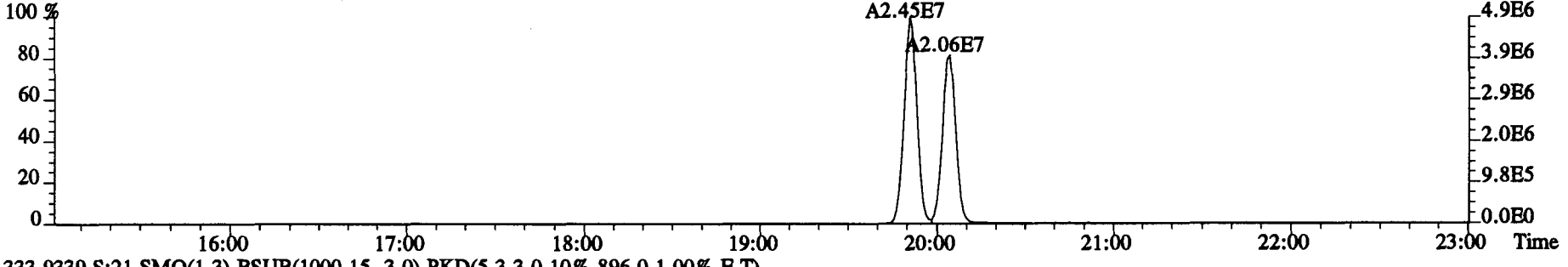
319.8965 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)



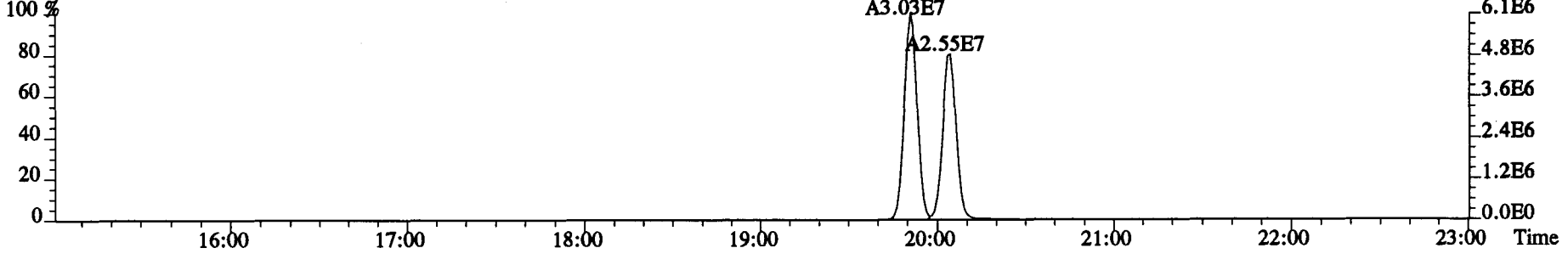
321.8936 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)



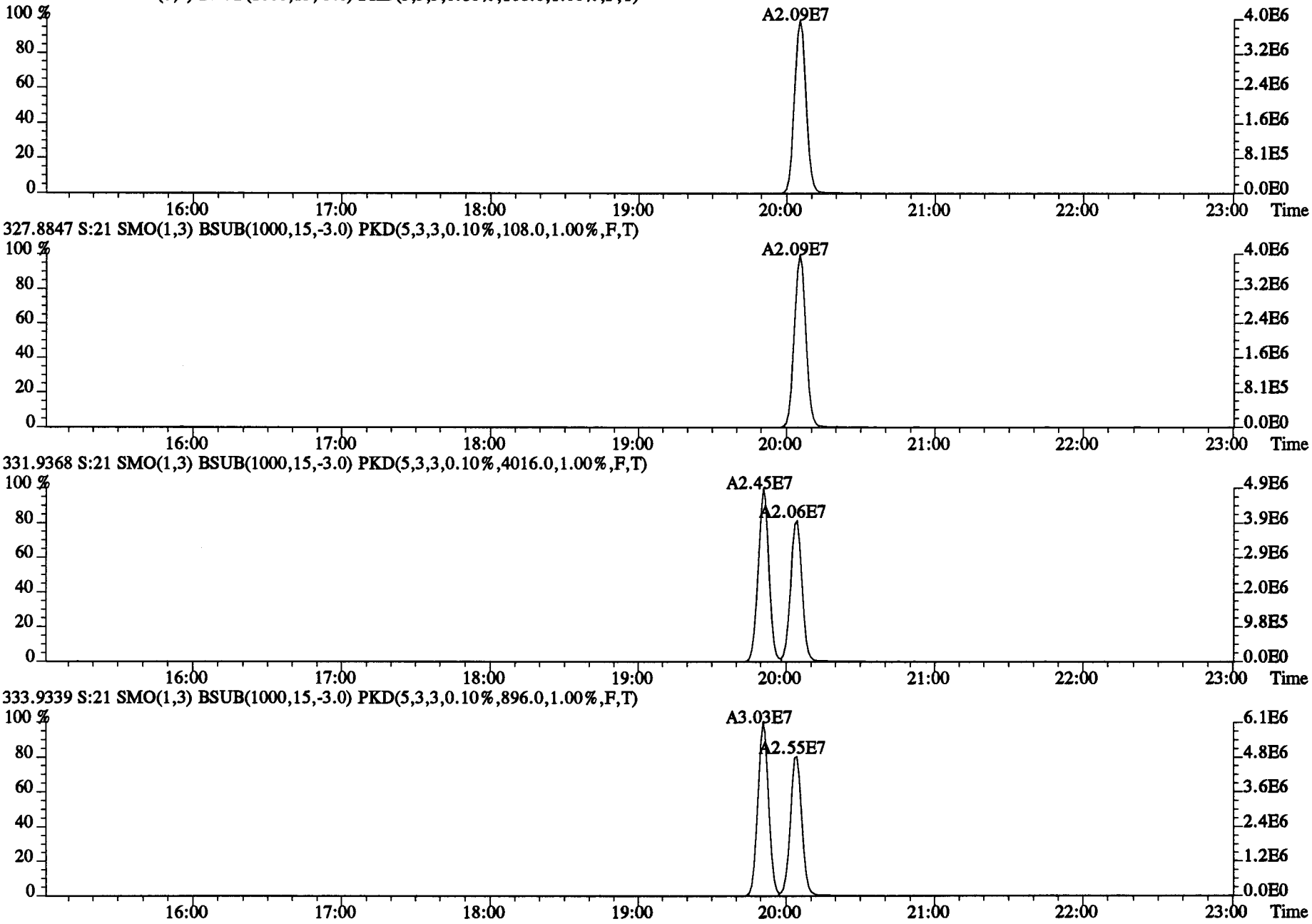
331.9368 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)



333.9339 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,896.0,1.00%,F,T)

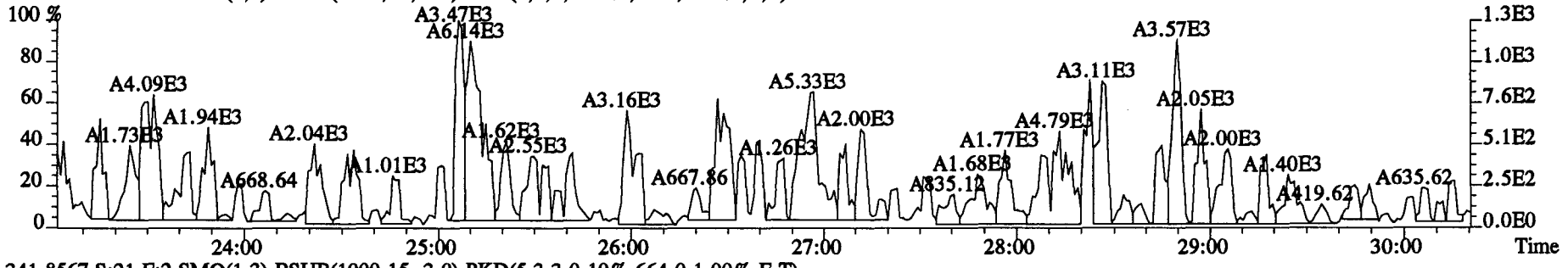


File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

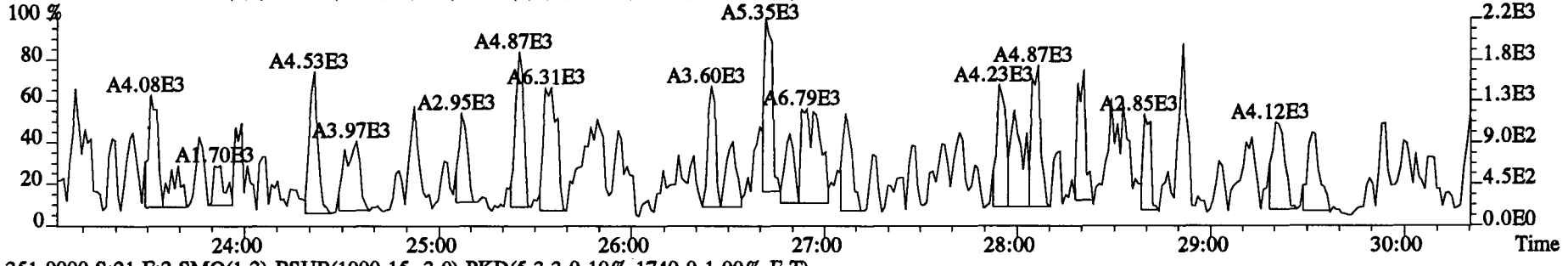


File:01SE104D5 #1-470 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

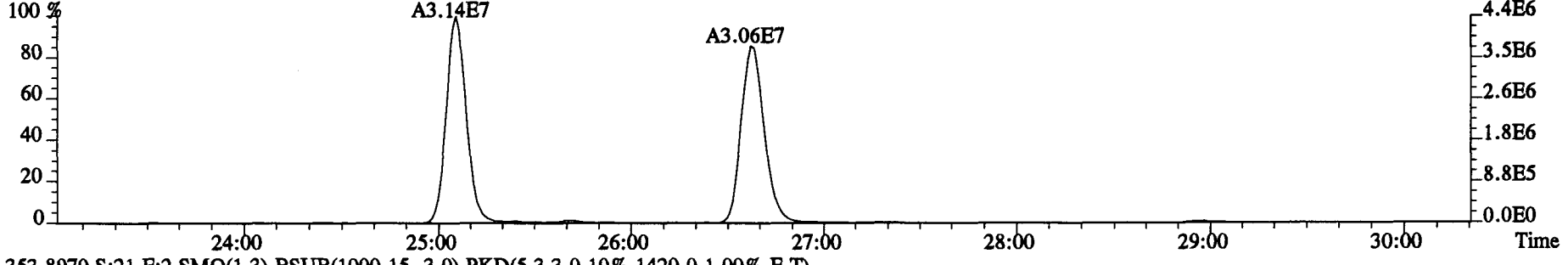
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



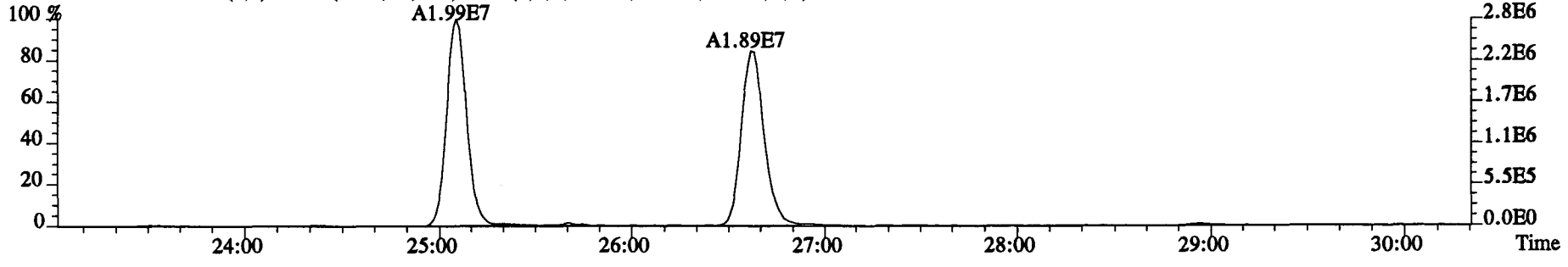
341.8567 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)



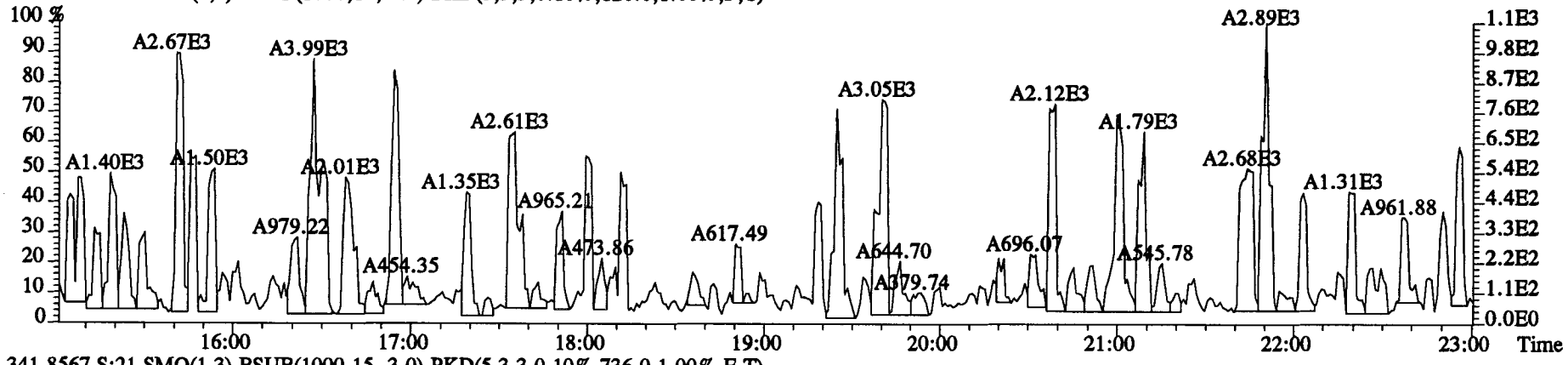
351.9000 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740.0,1.00%,F,T)



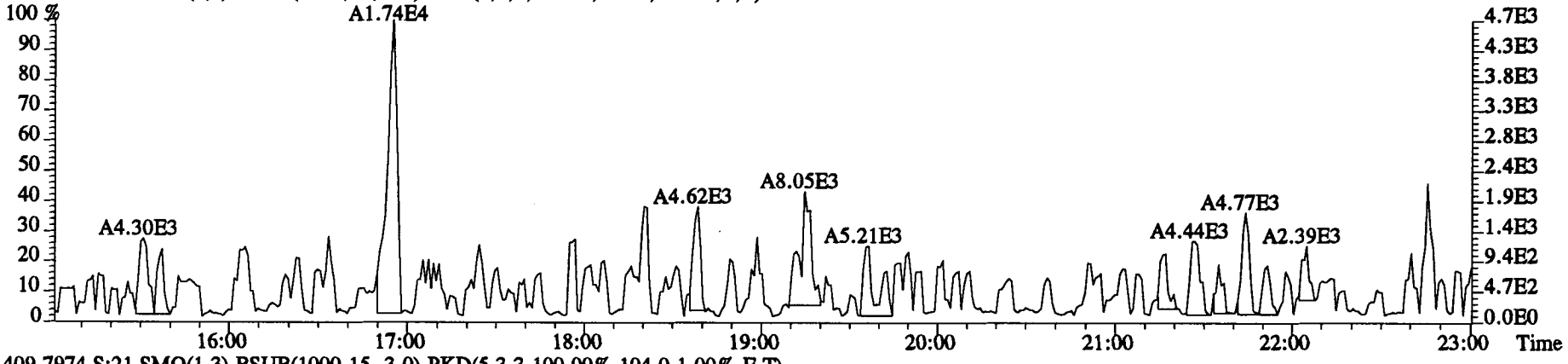
353.8970 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1420.0,1.00%,F,T)



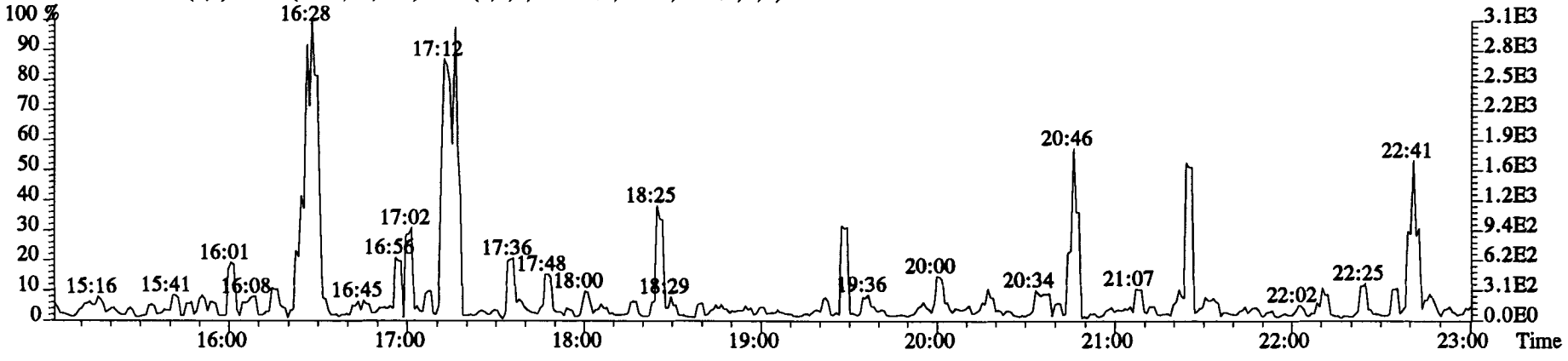
File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES
339.8597 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)



341.8567 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,736.0,1.00%,F,T)

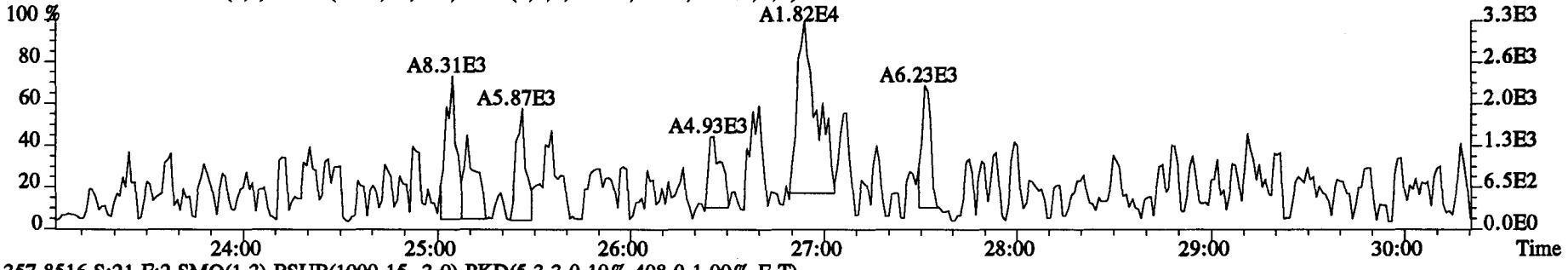


409.7974 S:21 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,104.0,1.00%,F,T)

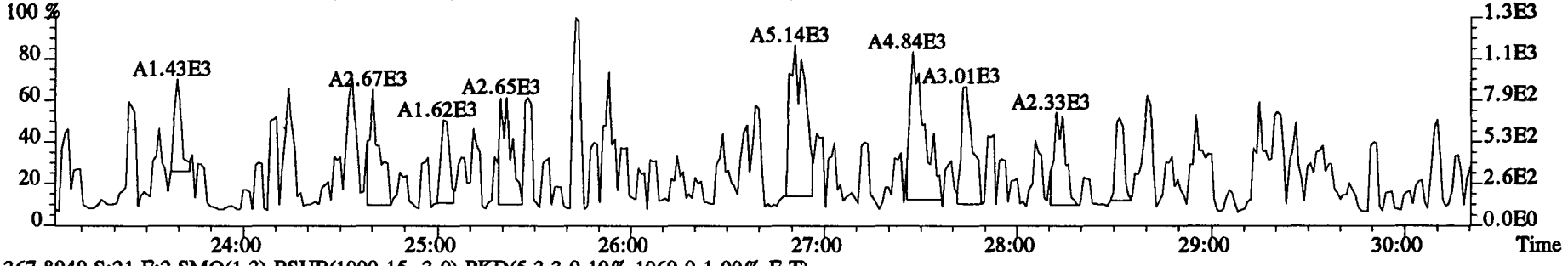


File:01SE104D5 #1-470 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

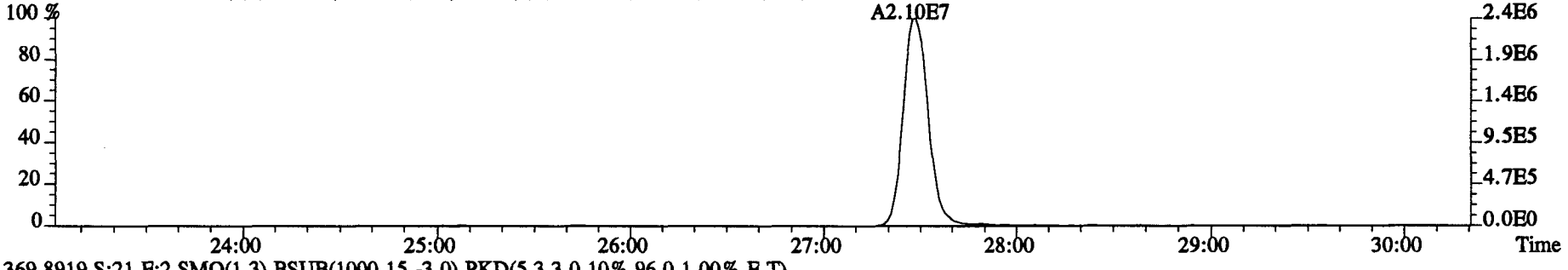
355.8546 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



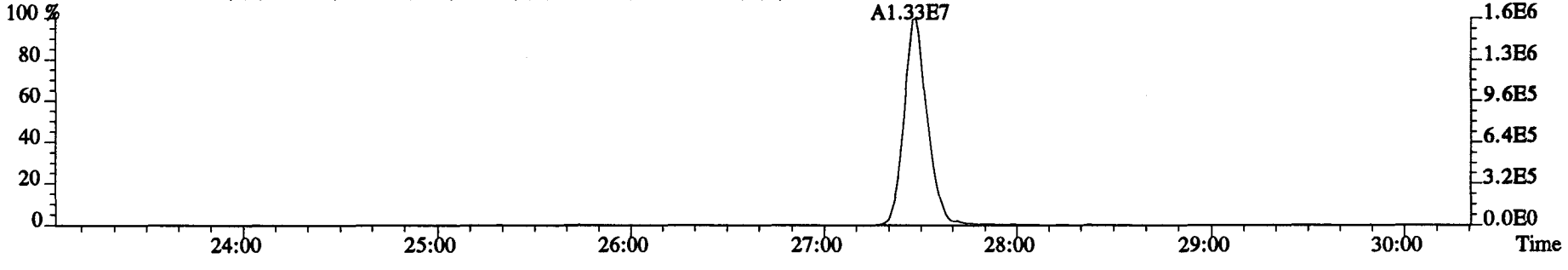
357.8516 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,408.0,1.00%,F,T)



367.8949 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1060.0,1.00%,F,T)

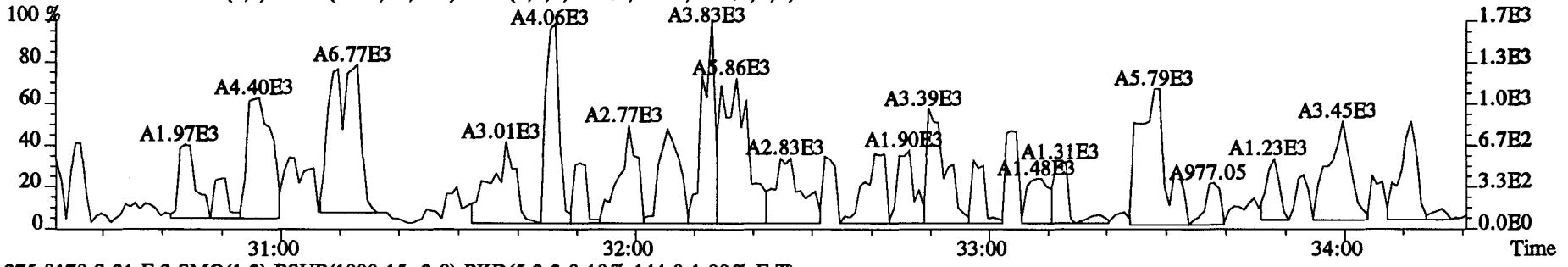


369.8919 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)

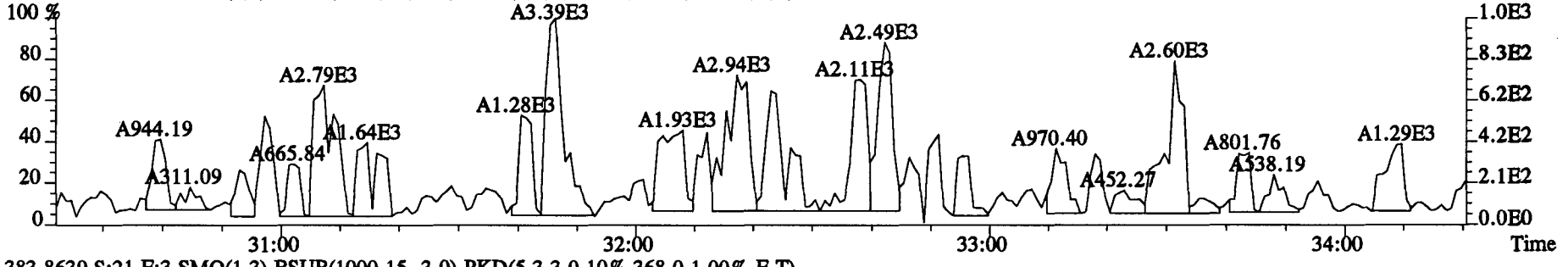


File:01SE104D5 #1-287 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

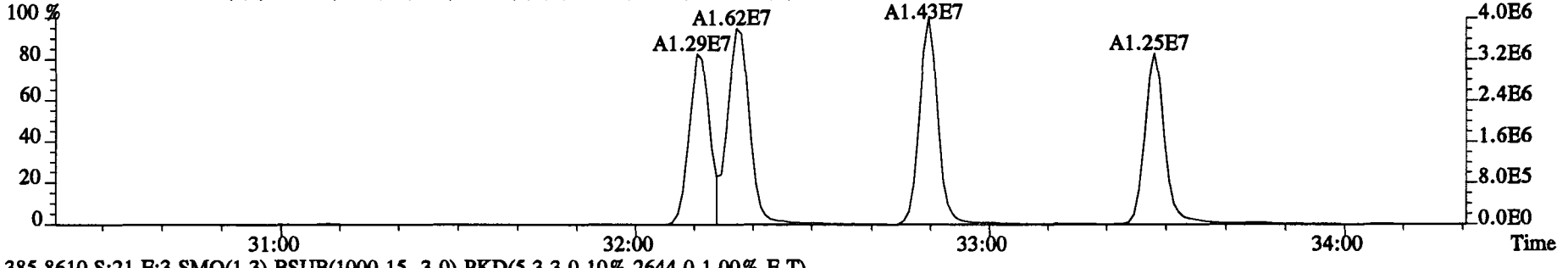
373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



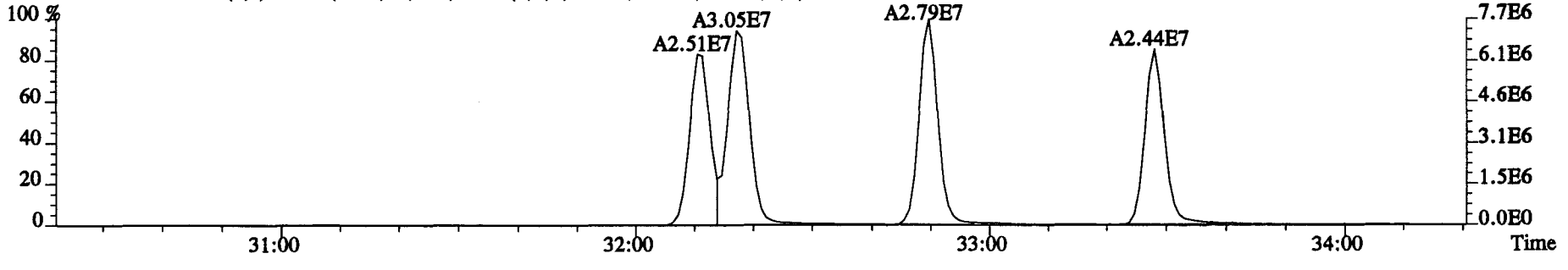
375.8178 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



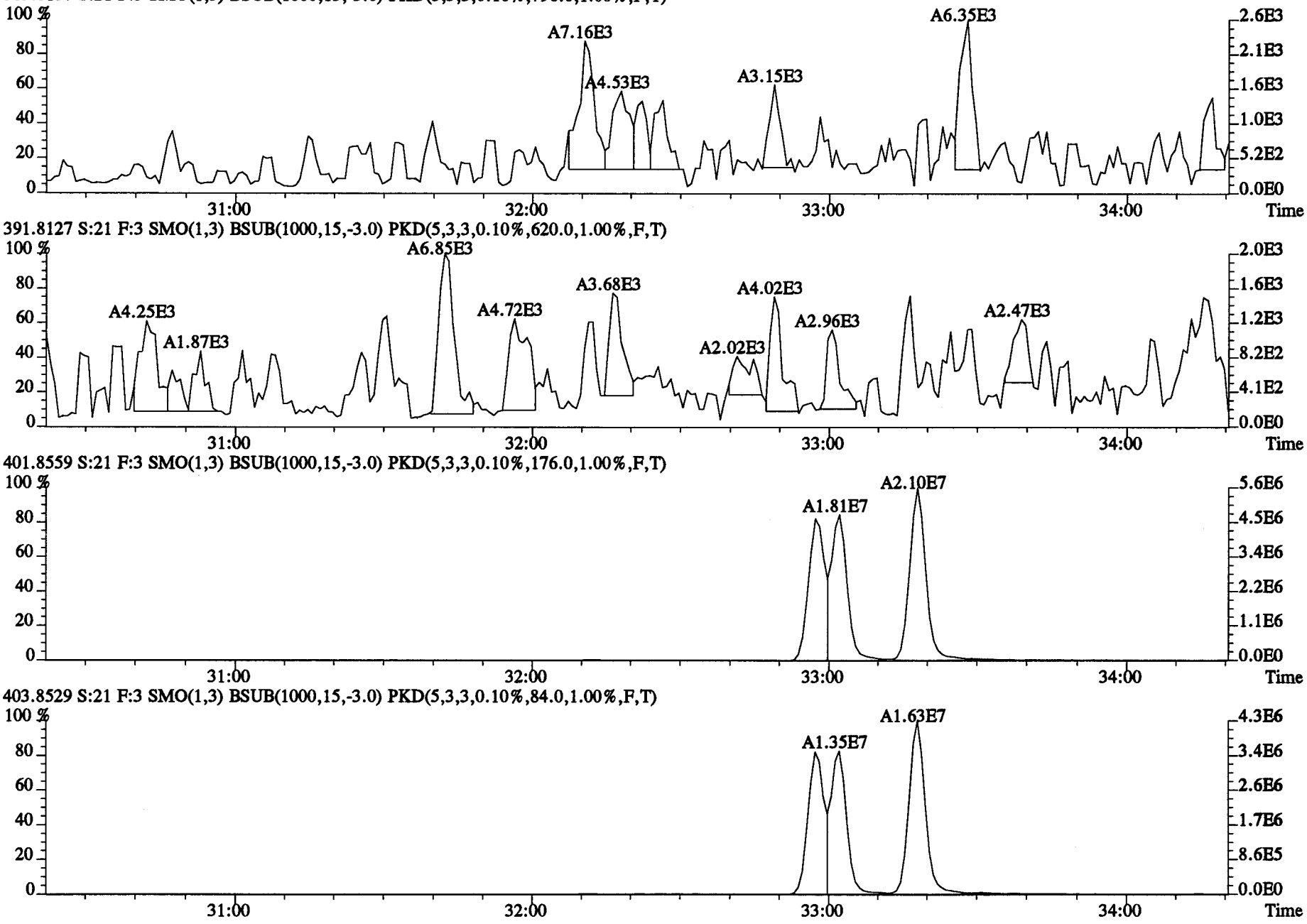
383.8639 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,368.0,1.00%,F,T)



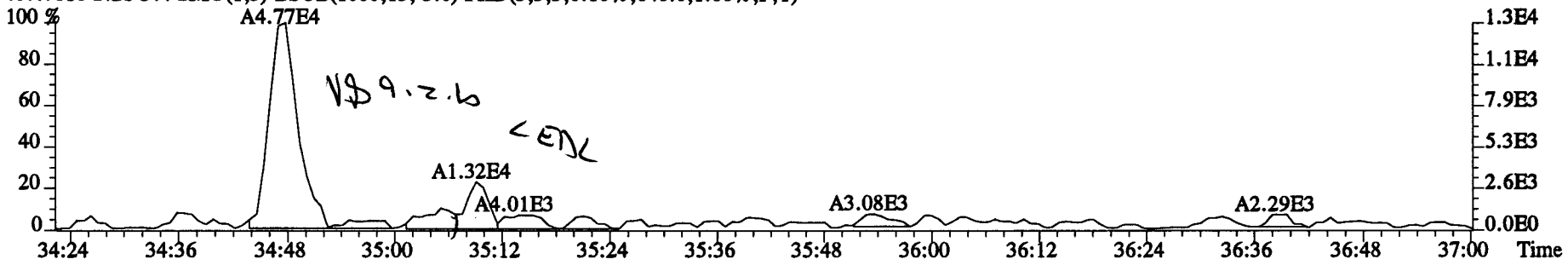
385.8610 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2644.0,1.00%,F,T)



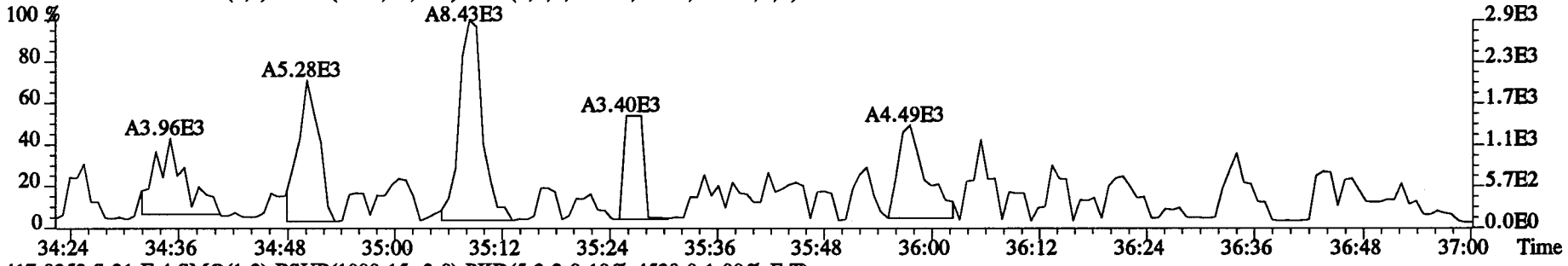
File:01SE104D5 #1-287 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES



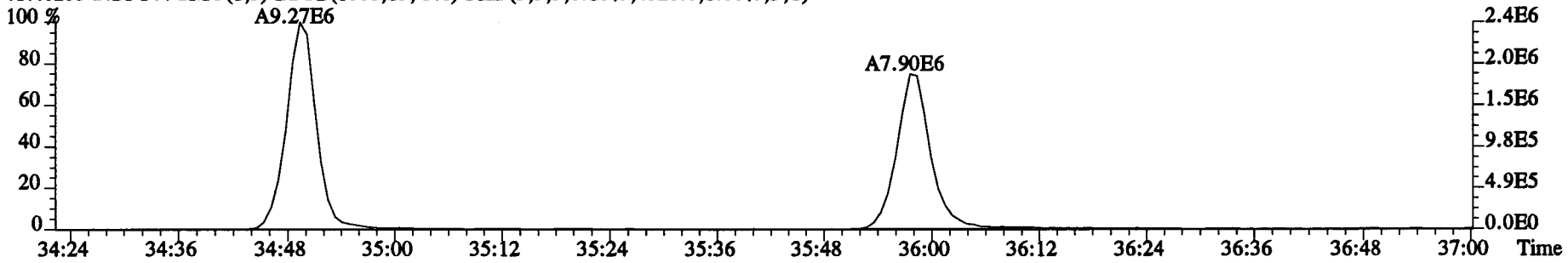
File:01SE104D5 #1-200 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES
407.7818 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,640.0,1.00%,F,T)



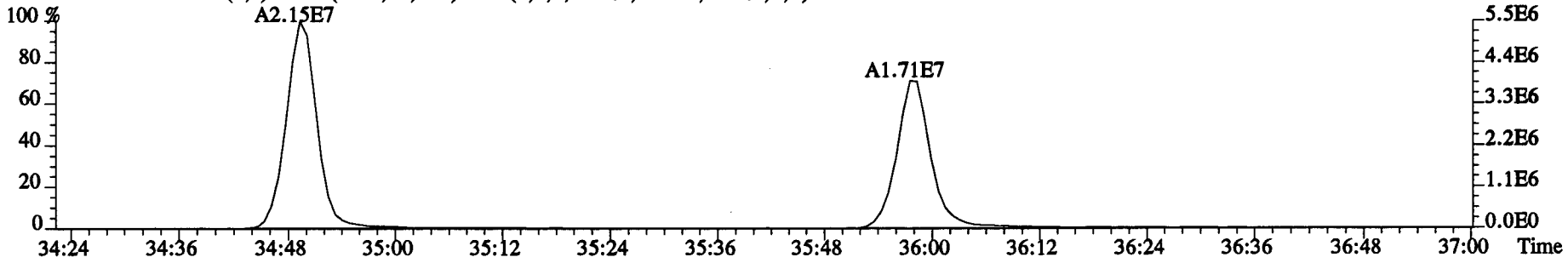
409.7789 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,648.0,1.00%,F,T)



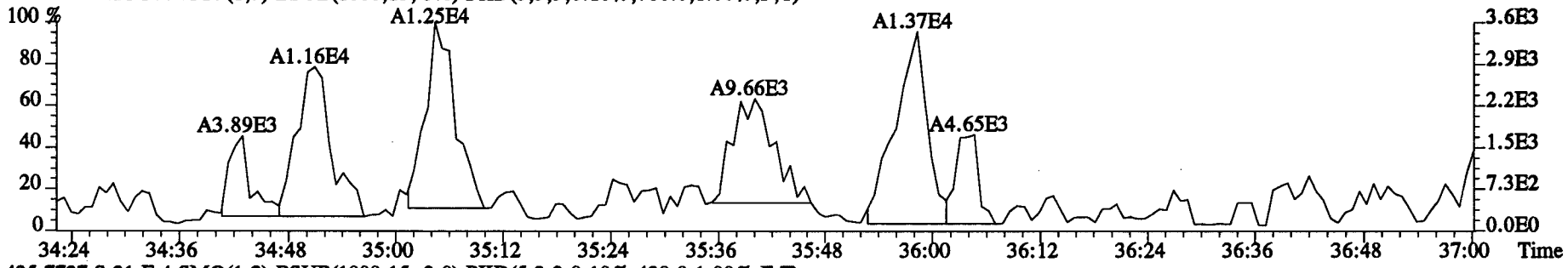
417.8253 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4528.0,1.00%,F,T)

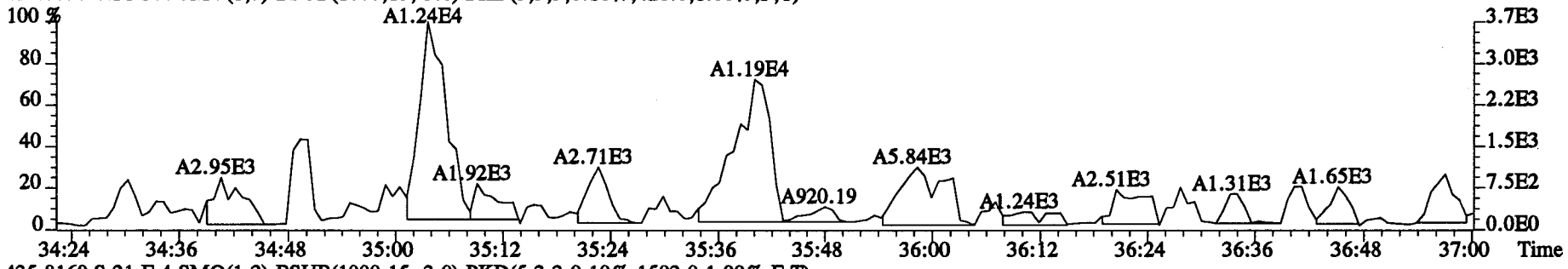


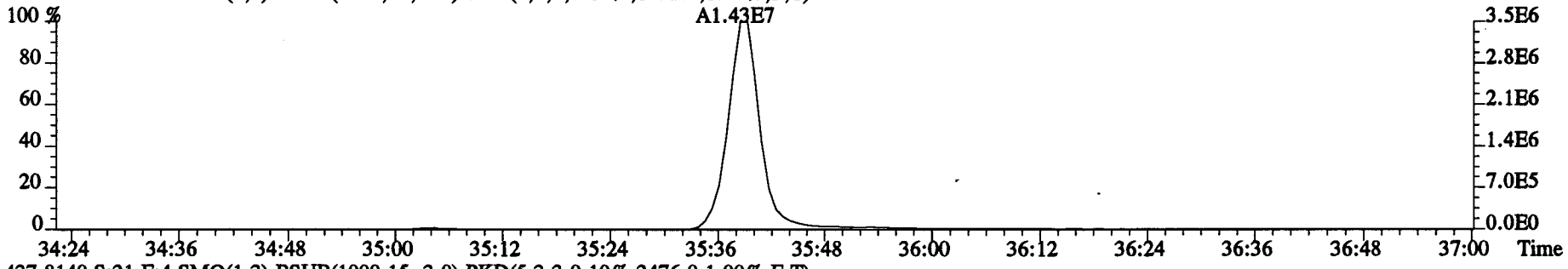
419.8220 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6948.0,1.00%,F,T)

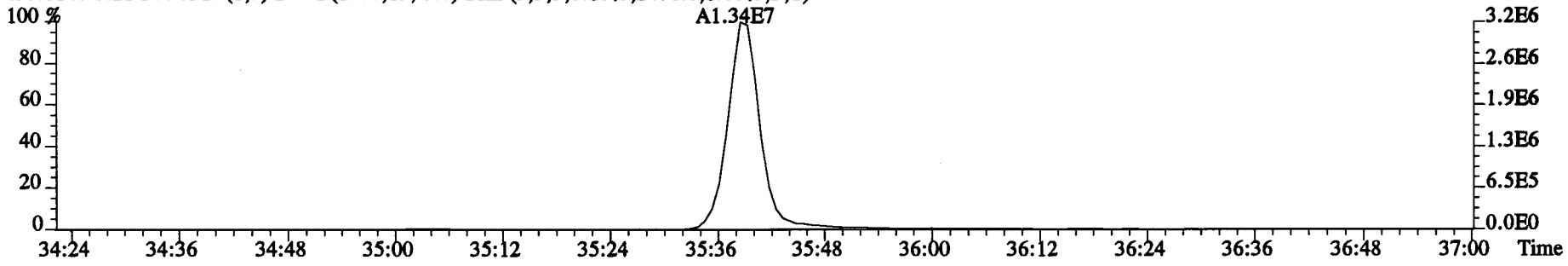


File:01SE104D5 #1-200 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

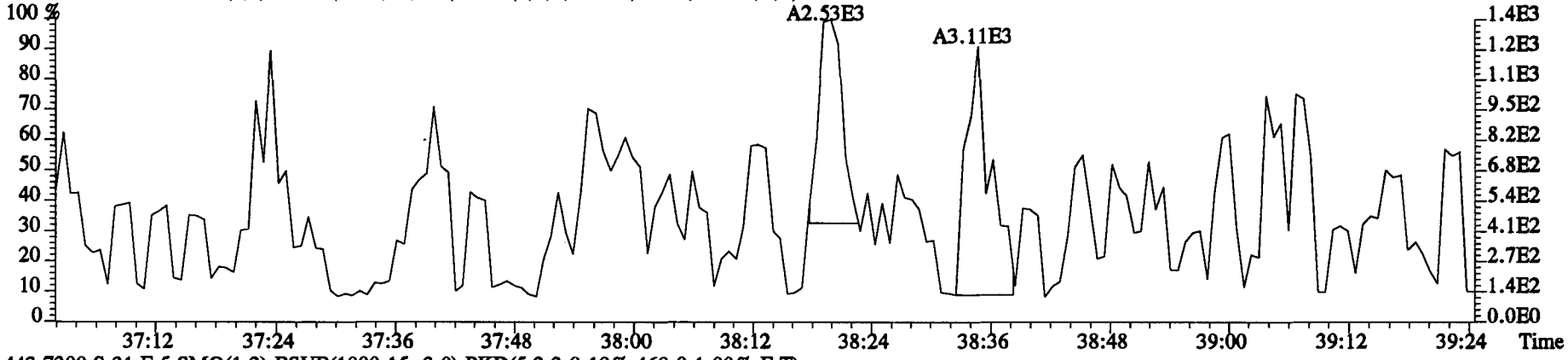




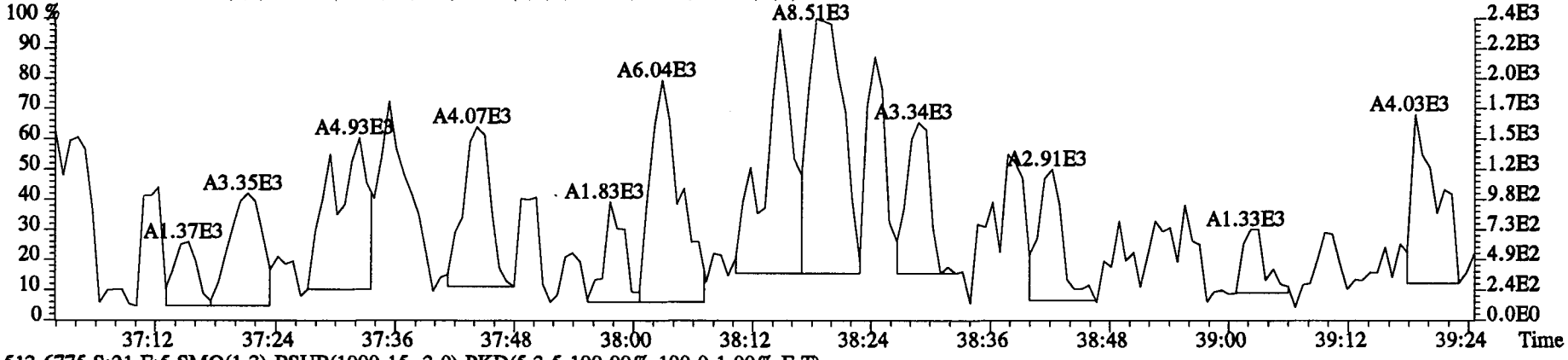




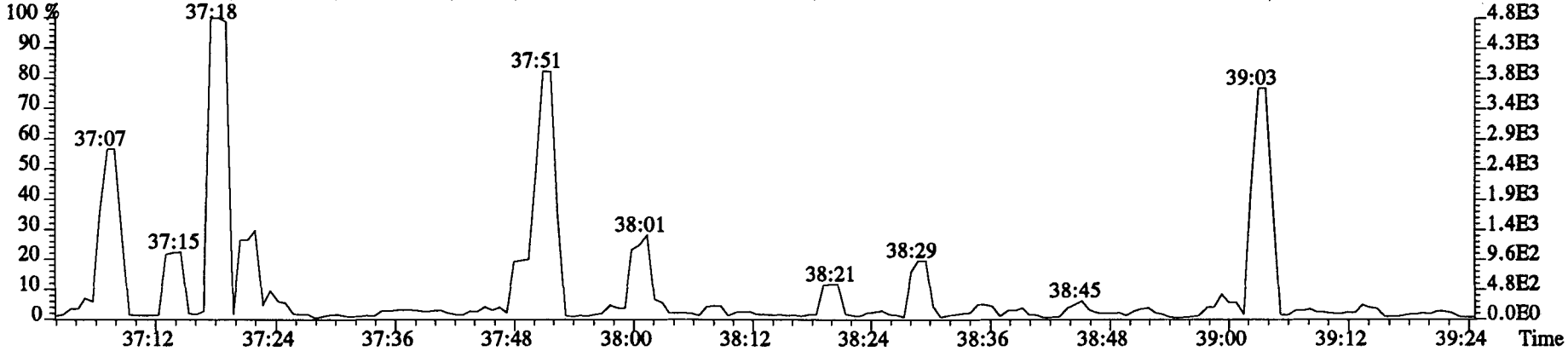
File:01SE104D5 #1-193 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES
441.7428 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,760.0,1.00%,F,T)



443.7399 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,460.0,1.00%,F,T)

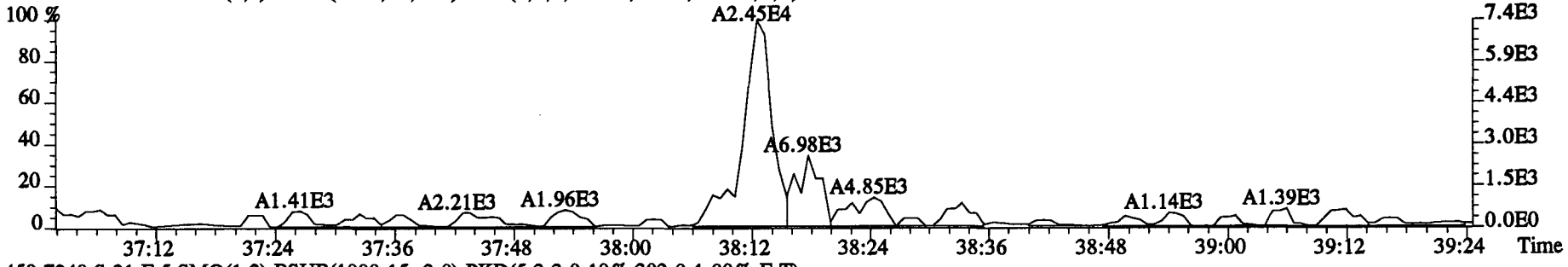


513.6775 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,100.0,1.00%,F,T)

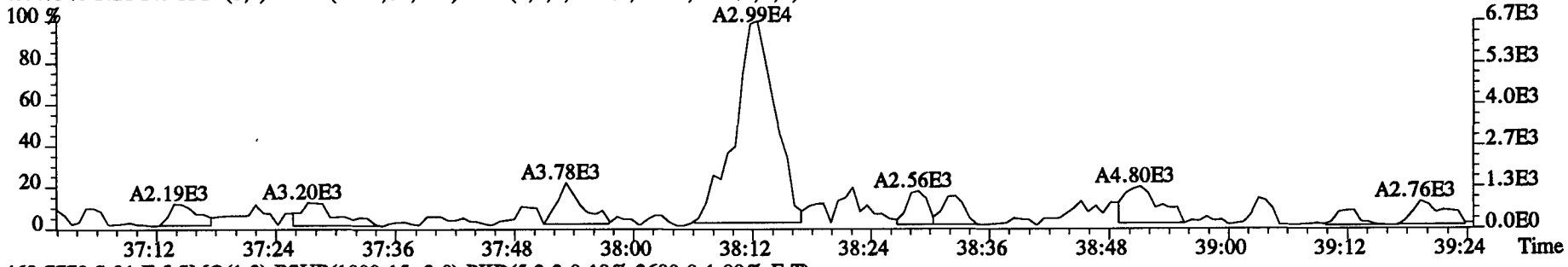


File:01SE104D5 #1-193 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

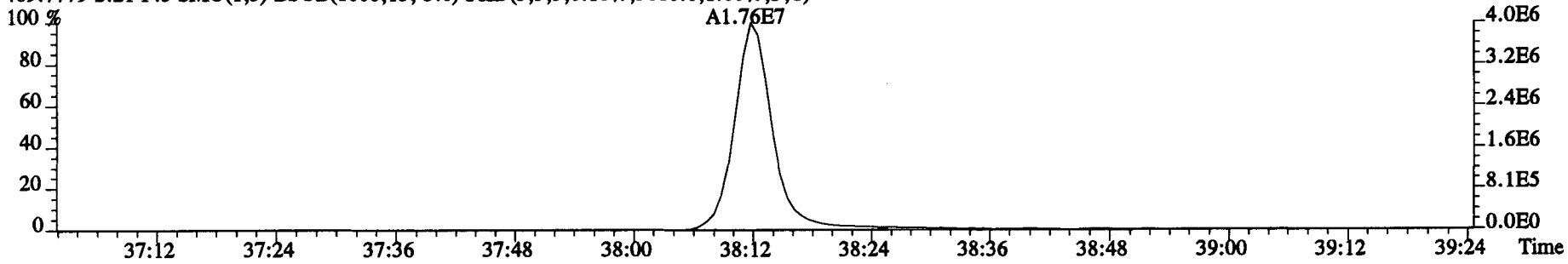
457.7377 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



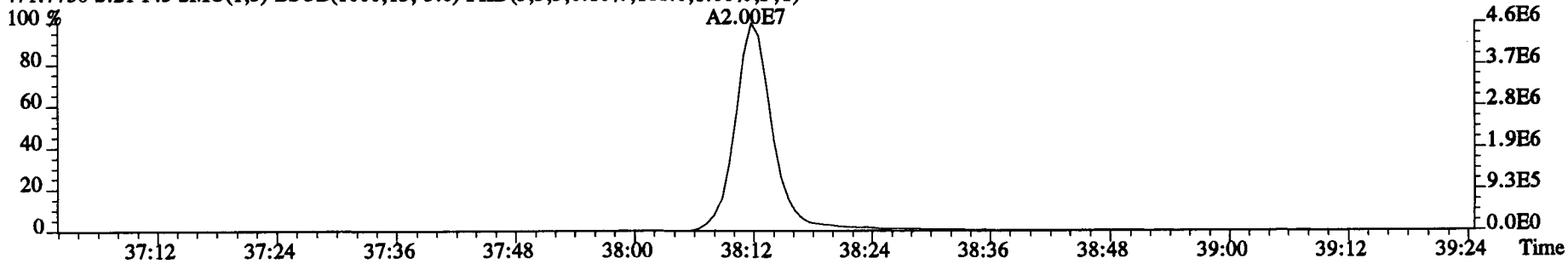
459.7348 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,392.0,1.00%,F,T)



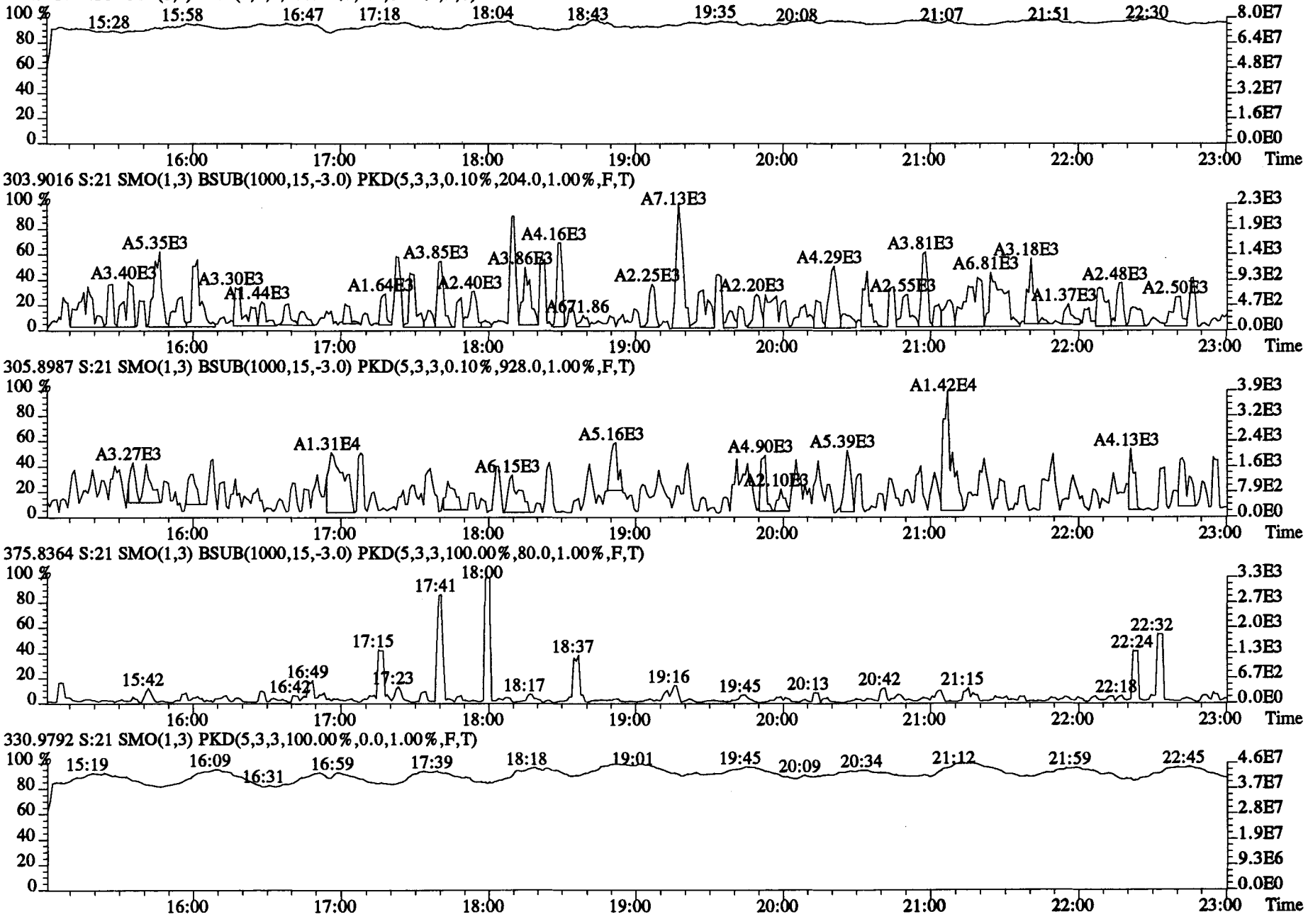
469.7779 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)



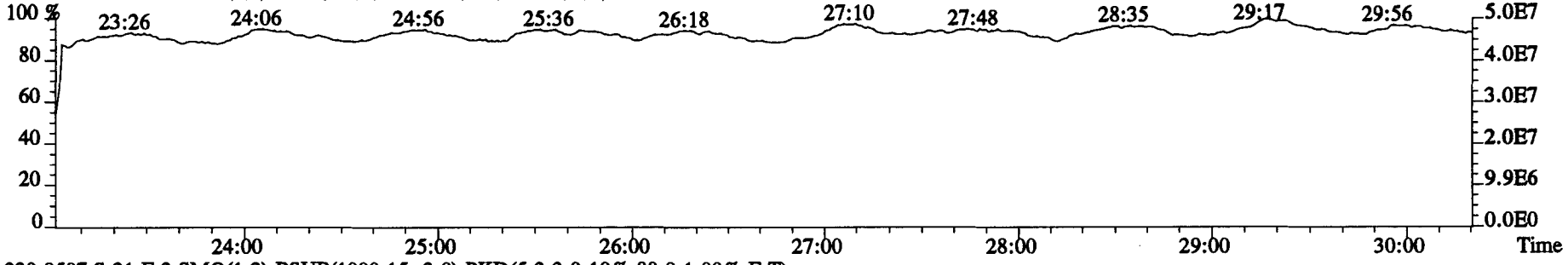
471.7750 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)



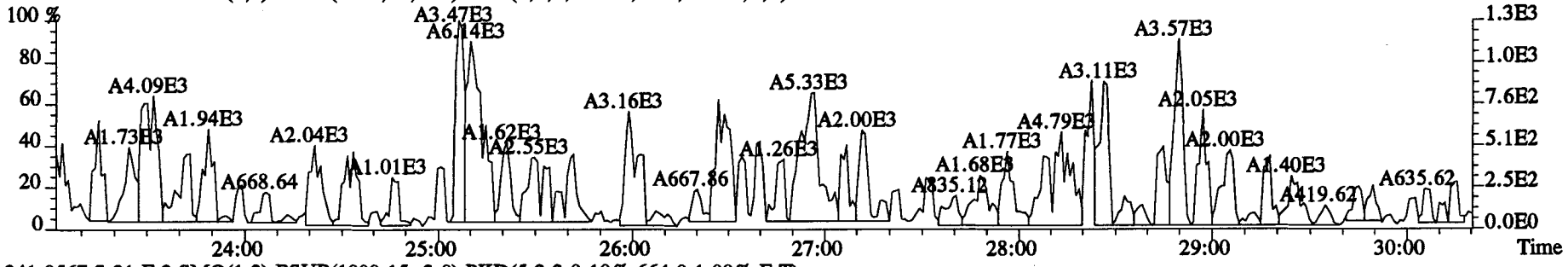
File:01SE104D5 #1-530 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES



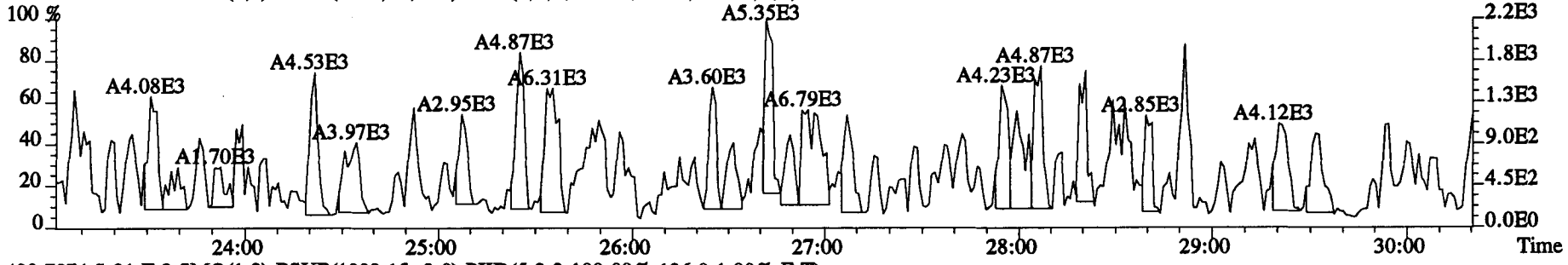
File:01SE104D5 #1-470 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES
342.9792 S:21 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



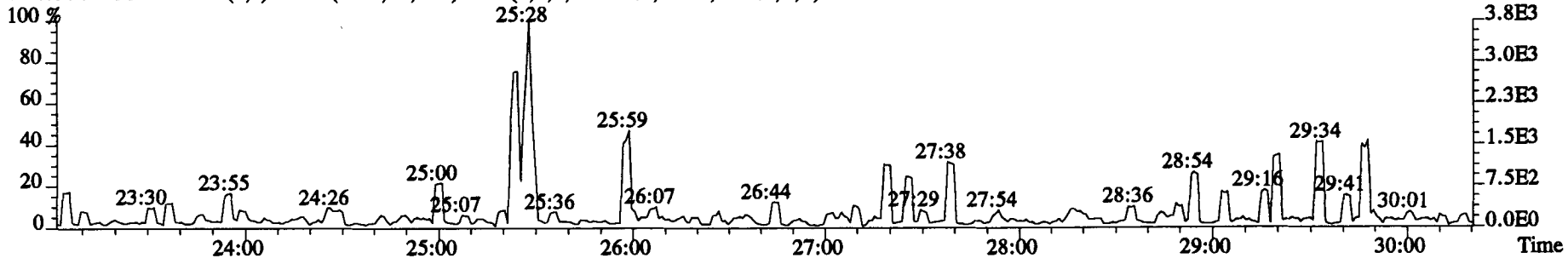
339.8597 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



341.8567 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)

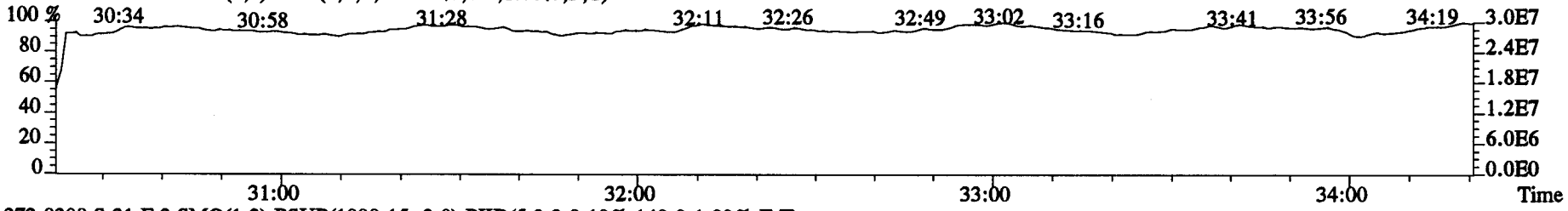


409.7974 S:21 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,136.0,1.00%,F,T)

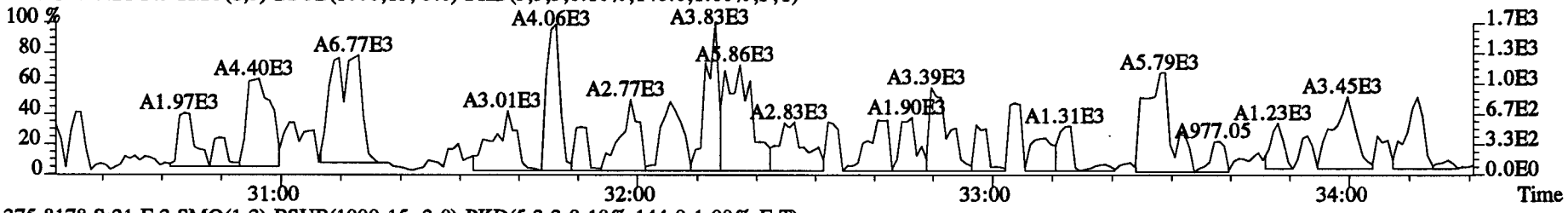


File:01SE104D5 #1-287 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES

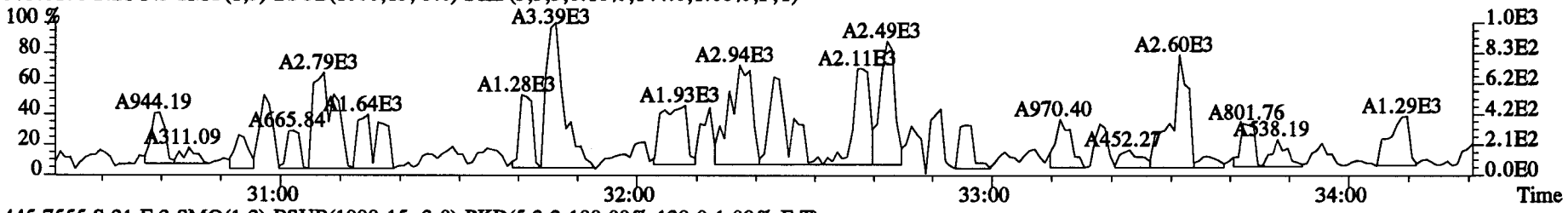
392.9760 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



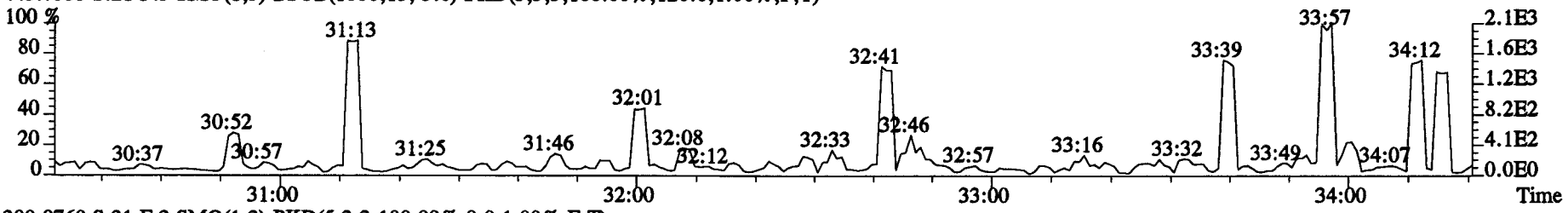
373.8208 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



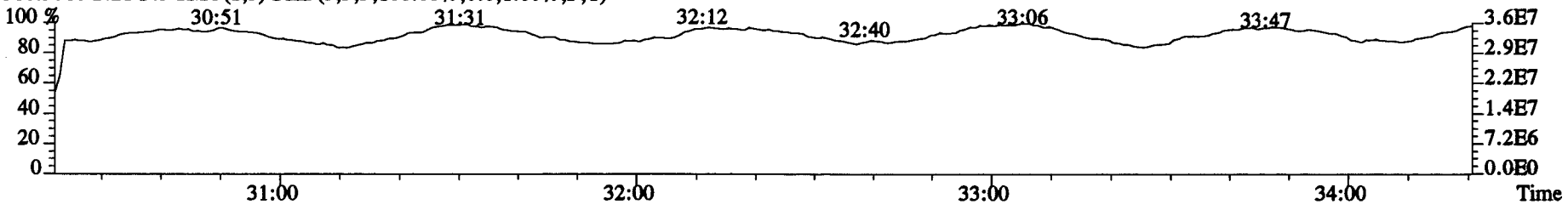
375.8178 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



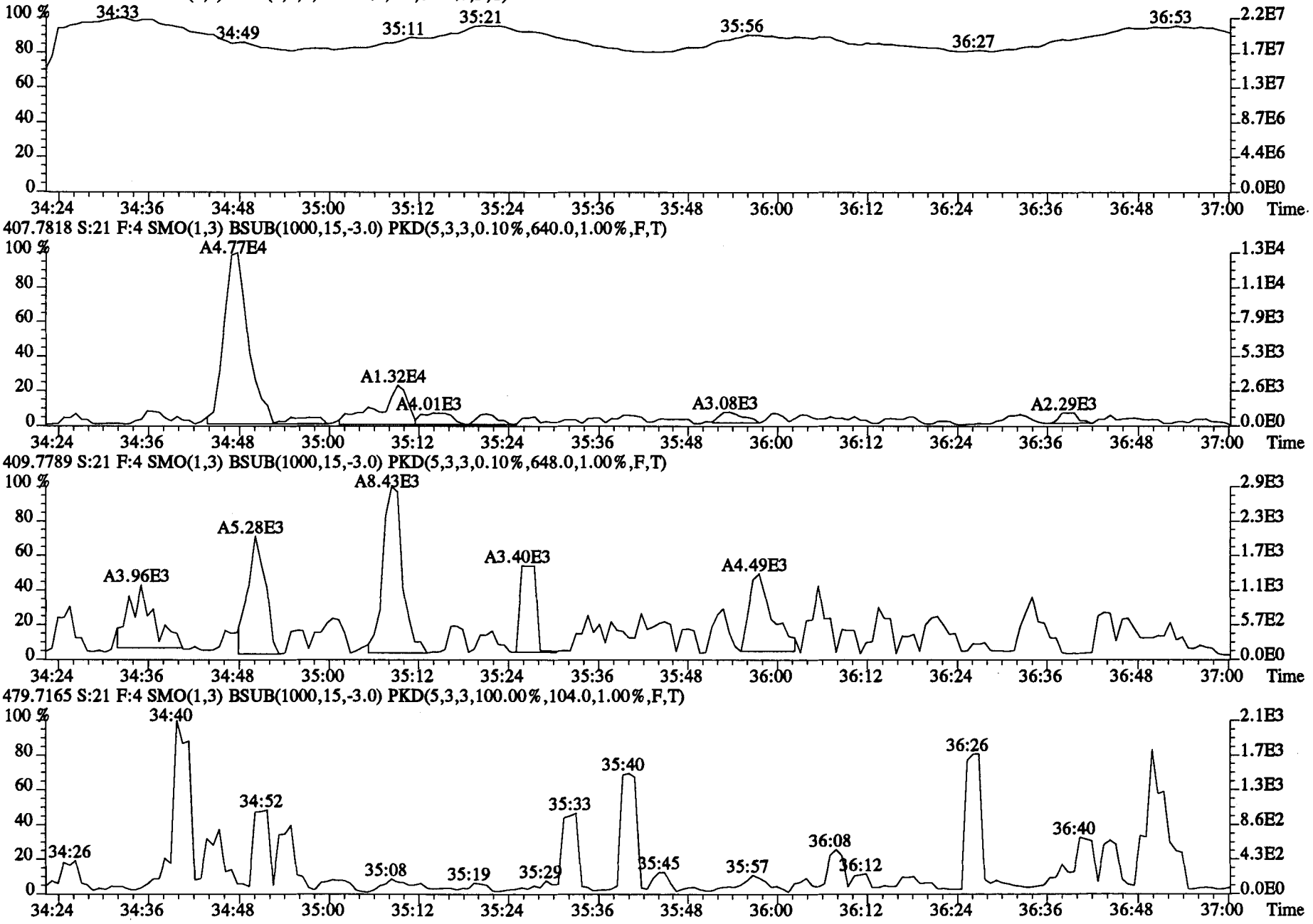
445.7555 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,120.0,1.00%,F,T)



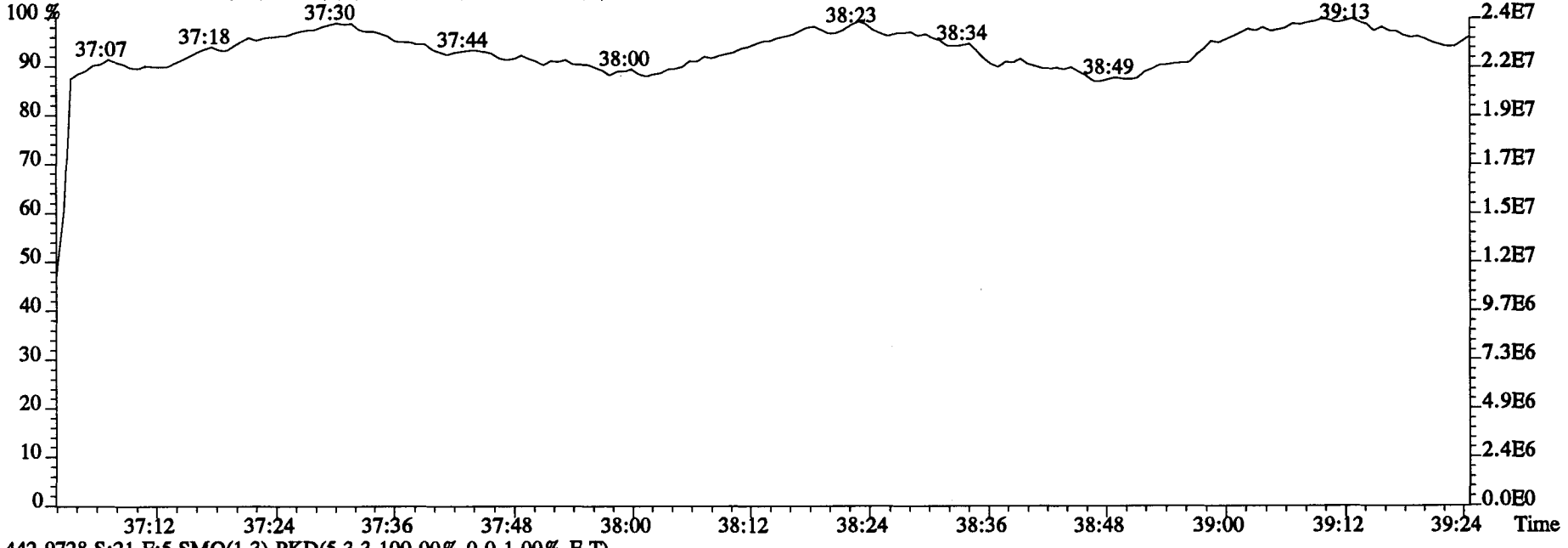
380.9760 S:21 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



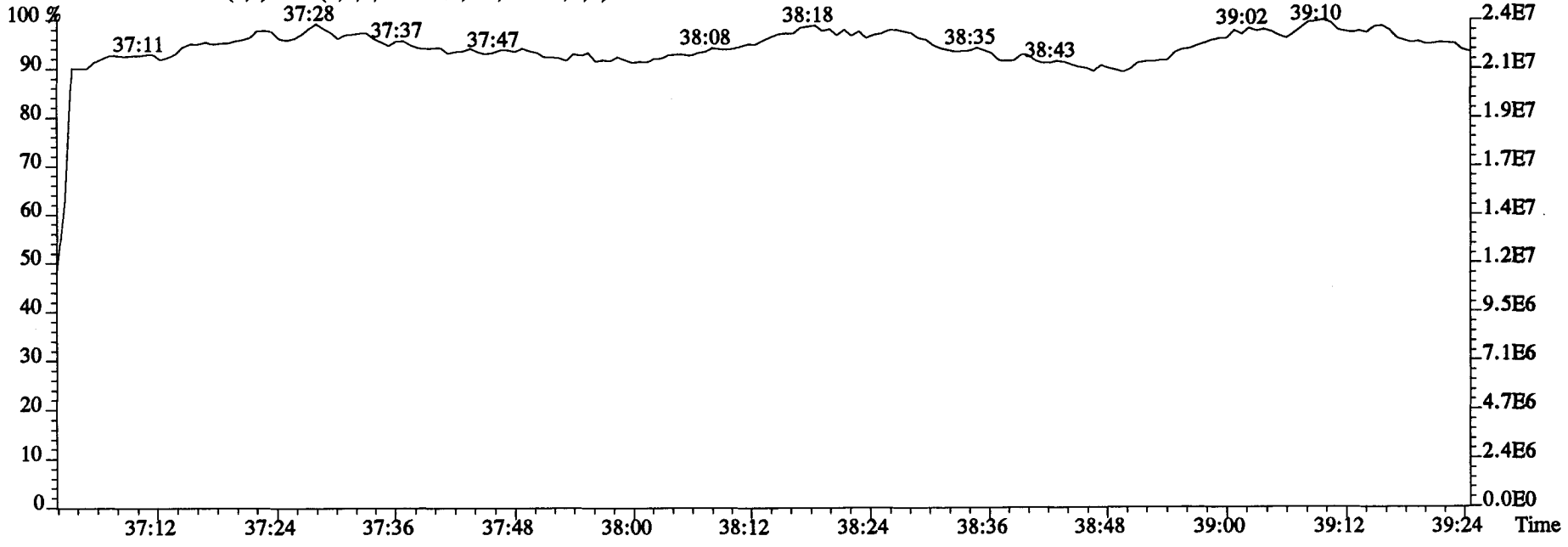
File:01SE104D5 #1-200 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES



File:01SE104D5 #1-193 Acq: 2-SEP-2010 00:55:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#21 Text:L564F-1-AA :G0H260533-5 Exp:DIOXINRES
454.9728 S:21 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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



TestAmerica
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Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID TO9 **Associated ICAL** ~~B2~~ A5 TO9 072110 4D5

Column ID DB5 **Instrument ID** 4D5

STD ID STO830B, STO830C **STD Solution** 10DXN417, 10DXN336

Analyzed by AS **Date Analyzed** 08-31-10

Std. Pkg. By AS **Date Std. Pkg. Assembled** 09-01-10

Std. Pkg. Reviewed By JRB **Date Std. Pkg. Reviewed** 9/1/10

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: ST0830B File text: ST0830B :CS3 10DXN417
Run #6 Filename 30AU104D5 S: 30 I: 1
Acquired: 31-AUG-10 07:16:52 Processed: 31-AUG-10 17:25:42
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	60638200	0.80 y	19:51	-	100.00	-	n
13C-2,3,7,8-TCDF	83201300	0.77 y	19:16	1.37	100.00	11.6	n
2,3,7,8-TCDF	9096330	0.77 y	19:17	1.09	10.00	9.9	n
Total TCDF	9184773	0.10 n	18:29	1.09	10.00	9.9	n
13C-2,3,7,8-TCDD	56185000	0.80 y	20:05	0.93	100.00	2.4	n
2,3,7,8-TCDD	5968000	0.81 y	20:05	1.06	10.00	8.0	n
Total TCDD	6024978	0.79 y	15:45	1.06	10.00	8.0	n
37Cl-2,3,7,8-TCDD	7011700	1.00 y	20:05	1.25	10.00	-5.9	n
13C-1,2,3,7,8-PeCDF	57134900	1.59 y	25:06	0.94	100.00	7.6	n
1,2,3,7,8-PeCDF	33325900	1.59 y	25:06	1.17	50.00	8.4	n
2,3,4,7,8-PeCDF	31093000	1.58 y	26:39	1.09	50.00	4.1	n
Total F2 PeCDF	65552561	1.37 y	23:33	1.13	100.00	6.3	n
Total F1 PeCDF	82827	0.43 n	15:27	1.13	100.00	6.3	n
13C-1,2,3,7,8-PeCDD	36795800	1.58 y	27:28	0.61	100.00	-8.2	n
1,2,3,7,8-PeCDD	19721930	1.64 y	27:29	1.07	50.00	15.8	n
Total PeCDD	19741075	1.75 y	25:05	1.07	50.00	15.8	n
13C-1,2,3,7,8,9-HxCDD	35284000	1.25 y	33:18	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	38300100	0.51 y	32:11	1.09	100.00	3.9	n
1,2,3,4,7,8-HxCDF	24933800	1.13 y	32:12	1.30	50.00	7.0	n
1,2,3,6,7,8-HxCDF	27245900	1.17 y	32:18	1.42	50.00	11.0	n
2,3,4,6,7,8-HxCDF	24770000	1.15 y	32:51	1.29	50.00	4.9	n
1,2,3,7,8,9-HxCDF	20986390	1.18 y	33:29	1.10	50.00	-0.2	n
Total HxCDF	98156437	0.69 n	31:08	1.28	200.00	5.9	n
13C-1,2,3,6,7,8-HxCDD	30869900	1.28 y	33:02	0.87	100.00	5.3	n
1,2,3,4,7,8-HxCDD	17942820	1.26 y	32:58	1.16	50.00	12.1	n
1,2,3,6,7,8-HxCDD	18760960	1.33 y	33:03	1.22	50.00	4.5	n
1,2,3,7,8,9-HxCDD	19135010	1.29 y	33:18	1.24	50.00	4.9	n
Total HxCDD	55838790	1.26 y	32:58	1.21	150.00	7.0	n
13C-1,2,3,4,6,7,8-HpCDF	27882740	0.43 y	34:49	0.79	100.00	-13.2	n
1,2,3,4,6,7,8-HpCDF	21754100	1.07 y	34:50	1.56	50.00	15.9	n
1,2,3,4,7,8,9-HpCDF	17325910	1.03 y	35:58	1.24	50.00	13.7	n
Total HpCDF	39080010	1.07 y	34:50	1.40	100.00	14.9	n
13C-1,2,3,4,6,7,8-HpCDD	25354400	1.06 y	35:39	0.72	100.00	-13.1	n
1,2,3,4,6,7,8-HpCDD	14412630	1.07 y	35:39	1.14	50.00	6.1	n
Total HpCDD	14489398	0.88 y	35:05	1.14	50.00	6.1	n
13C-OCDD	34340900	0.89 y	38:12	0.49	200.00	-21.5	n
OCDF	25844300	0.93 y	38:18	1.51	100.00	9.8	n
OCDD	21620500	0.88 y	38:13	1.26	100.00	5.0	n

Run text: ST0830C File text: ST0830C :CS3 10DXN336
Run #9 Filename 30AU104D5 S: 44 I: 1
Acquired: 31-AUG-10 17:41:23 Processed: 31-AUG-10 22:04:41
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D5TO9

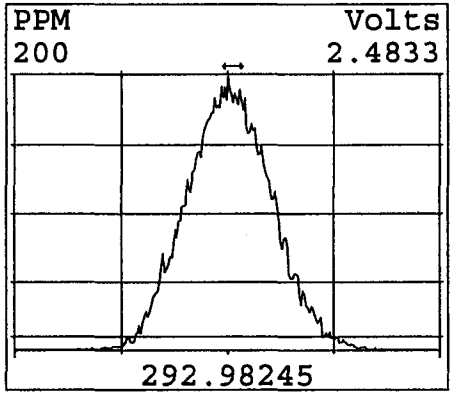
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	35513100	0.81 y	19:50	-	100.00	-	n
13C-2,3,7,8-TCDF	47988200	0.77 y	19:15	1.35	100.00	9.9	n
2,3,7,8-TCDF	4641520	0.73 y	19:17	0.97	10.00	-2.7	n
Total TCDF	4676297	0.77 y	18:52	0.97	10.00	-2.7	n
13C-2,3,7,8-TCDD	33653200	0.81 y	20:04	0.95	100.00	4.7	n
2,3,7,8-TCDD	3326770	0.76 y	20:05	0.99	10.00	0.5	n
Total TCDD	3326770	0.76 y	20:05	0.99	10.00	0.5	n
37Cl-2,3,7,8-TCDD	4301120	1.00 y	20:05	1.28	10.00	-3.6	n
13C-1,2,3,7,8-PeCDF	34825500	1.66 y	25:06	0.98	100.00	11.9	n
1,2,3,7,8-PeCDF	18711860	1.62 y	25:08	1.07	50.00	-0.2	n
2,3,4,7,8-PeCDF	17464150	1.57 y	26:40	1.00	50.00	-4.1	n
Total F2 PeCDF	36618249	1.62 y	25:08	1.04	100.00	-2.1	n
Total F1 PeCDF	31235	1.13 n	22:12	1.04	100.00	-2.1	n
13C-1,2,3,7,8-PeCDD	22631400	1.59 y	27:29	0.64	100.00	-3.6	n
1,2,3,7,8-PeCDD	11323200	1.64 y	27:31	1.00	50.00	8.1	n
Total PeCDD	11354066	1.64 y	27:31	1.00	50.00	8.1	n
13C-1,2,3,7,8,9-HxCDD	22397980	1.26 y	33:18	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	24767170	0.52 y	32:11	1.11	100.00	5.8	n
1,2,3,4,7,8-HxCDF	15167500	1.15 y	32:12	1.22	50.00	0.6	n
1,2,3,6,7,8-HxCDF	15765250	1.15 y	32:18	1.27	50.00	-0.7	n
2,3,4,6,7,8-HxCDF	14536770	1.17 y	32:50	1.17	50.00	-4.8	n
1,2,3,7,8,9-HxCDF	12856220	1.16 y	33:28	1.04	50.00	-5.5	n
Total HxCDF	58325740	1.15 y	32:12	1.18	200.00	-2.5	n
13C-1,2,3,6,7,8-HxCDD	21350630	1.28 y	33:02	0.95	100.00	14.7	n
1,2,3,4,7,8-HxCDD	10054390	1.25 y	32:58	0.94	50.00	-9.2	n
1,2,3,6,7,8-HxCDD	11316670	1.29 y	33:03	1.06	50.00	-8.8	n
1,2,3,7,8,9-HxCDD	11288680	1.29 y	33:18	1.06	50.00	-10.5	n
Total HxCDD	32679755	1.25 y	32:58	1.02	150.00	-9.5	n
13C-1,2,3,4,6,7,8-HpCDF	19899310	0.45 y	34:49	0.89	100.00	-2.4	n
1,2,3,4,6,7,8-HpCDF	13622750	1.08 y	34:50	1.37	50.00	1.7	n
1,2,3,4,7,8,9-HpCDF	11481850	1.11 y	35:59	1.15	50.00	5.5	n
Total HpCDF	25104600	1.08 y	34:50	1.26	100.00	3.4	n
13C-1,2,3,4,6,7,8-HpCDD	17607790	1.13 y	35:38	0.79	100.00	-4.9	n
1,2,3,4,6,7,8-HpCDD	9355810	1.04 y	35:39	1.06	50.00	-0.8	n
Total HpCDD	9497848	1.17 y	35:06	1.06	50.00	-0.8	n
13C-OCDD	24428600	0.94 y	38:12	0.55	200.00	-12.0	n
OCDF	16742810	0.92 y	38:19	1.37	100.00	0.0	n
OCDD	13986190	0.87 y	38:13	1.15	100.00	-4.5	n

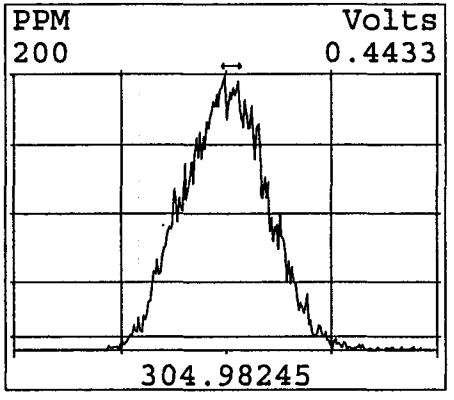
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
30AU104D5	1	CP0830	DB-5 CPSM 3732-08				1.00000	
30AU104D5	2	ST0830	CS3 10DXN336				1.00000	
30AU104D5	3	L53HP-1-AA	C0H060548-21MB	20	1613B/SOLID	13	10.00000	g
30AU104D5	4	L5GRR-1-AC	G0H120487-3	20	1613B/SOLID		10.14000	g
30AU104D5	5	L5X79-1-AC	G0H120487-1LCS	20	1613B/SOLID		10.00000	g
30AU104D5	6	L5XF0-1-AC	G0H120487-12	20	1613B/SOLID		10.18000	g
30AU104D5	7	L5XF4-1-AC	G0H120487-13	20	1613B/SOLID		10.04000	g
30AU104D5	8	L5XGH-1-AC	G0H120487-17	20	1613B/SOLID		10.44000	g
30AU104D5	9	L48LC-1-AA	C0H060548-21	20	1613B/SOLID		1.08000	g
30AU104D5	10	L48LK-1-AA	C0H060548-23	20	1613B/SOLID		1.88000	g
30AU104D5	11	L48LL-1-AA	C0H060548-24	20	1613B/SOLID		1.55000	g
30AU104D5	12	L48LN-1-AA	C0H060548-25	20	1613B/SOLID		1.71000	g
30AU104D5	13	L53HP-1-AC	C0H060548-21LCS	20	1613B/SOLID		10.00000	g
30AU104D5	14	L5WVJ-1-AC	G0H190508-1LCS	20	23/AIR	5	0.50000	SAM
30AU104D5	15	L48LP-1-AA	C0H060548-26	20	1613B/SOLID		1.35000	g
30AU104D5	16	ST0830A	CS3 10DXN336				1.00000	
30AU104D5	17	CP0830A	DB-5 CPSM 3732-08				1.00000	
30AU104D5	18	L58PT-1-AA	G0H270000-326 (561-1MB)	20	8290/SOLID	15	10.00000	g
30AU104D5	19	L48LR-1-AA	C0H060548-27	20	1613B/SOLID	13	1.29000	g
30AU104D5	20	L48LT-1-AA	C0H060548-28	20	1613B/SOLID		1.02000	g
30AU104D5	21	L48LV-1-AA	C0H060548-29	20	1613B/SOLID		1.06000	g
30AU104D5	22	L48LX-1-AA	C0H060548-30	20	1613B/SOLID		1.22000	g
[illegible]AU104D5	23	L48L0-1-AA	C0H060548-31	20	1613B/SOLID		1.36000	g
AU104D5	24	L48L1-1-AA	C0H060548-32	20	1613B/SOLID		1.30000	g
30AU104D5	25	L58J2-1-AD	G0H270561-1	20	8290/SOLID	15	10.78000	g
30AU104D5	26	L58J3-1-AD	G0H270561-2	20	8290/SOLID		10.15000	g
30AU104D5	27	L58J4-1-AD	G0H270561-3	20	8290/SOLID		10.39000	g
30AU104D5	28	L58KK-1-AD	G0H270565-1	20	8290/SOLID		10.09000	g
30AU104D5	29	L58PT-1-AC	G0H270000-326 (561-1LCS)	20	8290/SOLID		10.00000	g
30AU104D5	30	ST0830B	CS3 10DXN417				1.00000	
30AU104D5	31	CP0830B	DB-5 CPSM 3732-08				1.00000	
30AU104D5	32	L568A-1-AA	G0H260533-1MB	20	TO-9/AIR	15	0.50000	SAM
30AU104D5	33	L58KL-1-AD	G0H270565-2	20	8290/SOLID		10.13000	g
30AU104D5	34	L58KM-1-AD	G0H270565-3	20	8290/SOLID		10.07000	g
30AU104D5	35	L58KR-1-AD	G0H270569-1	20	8290/SOLID		10.49000	g
30AU104D5	36	L58KX-1-AD	G0H270569-2	20	8290/SOLID		10.12000	g
30AU104D5	37	L58K1-1-AD	G0H270569-3	20	8290/SOLID		9.73000	g
30AU104D5	38	L58K8-1-AD	G0H270571-1	20	8290/SOLID		10.37000	g
30AU104D5	39	L58K9-1-AD	G0H270571-2	20	8290/SOLID		10.01000	g
30AU104D5	40	L58LC-1-AD	G0H270571-3	20	8290/SOLID		10.38000	g
30AU104D5	41	L58LM-1-AD	G0H270574-1	20	8290/SOLID		10.47000	g
30AU104D5	42	L58LV-1-AD	G0H270574-2	20	8290/SOLID		9.91000	g
30AU104D5	43	SB0830A	Solvent Blank C-14				1.00000	
30AU104D5	44	ST0830C	CS3 10DXN336				1.00000	
30AU104D5	45	CP0830C	DB-5 CPSM 3732-08				1.00000	
30AU104D5	46	SB0830B	Solvent Blank C-14				1.00000	
30AU104D5	47	L58LW-1-AD	G0H270574-3	20	8290/SOLID	15	9.93000	g
30AU104D5	48	L58L5-1-AD	G0H270576-1	20	8290/SOLID		9.98000	g
AU104D5	49	L58L7-1-AD	G0H270576-2	20	8290/SOLID		10.89000	g
30AU104D5	50	L58L8-1-AD	G0H270576-3	20	8290/SOLID		9.61000	g
30AU104D5	51	L5KNG-1-AA	G0H130621-11 RI	20	8290/SOLID	1	10.26000	g
30AU104D5	52	L5KNE-1-AA	G0H130621-9 (50X)	20	8290/SOLID		10.17000	g
30AU104D5	53	L5KNF-1-AA	G0H130621-10 (50X)	20	8290/SOLID		10.57000	g

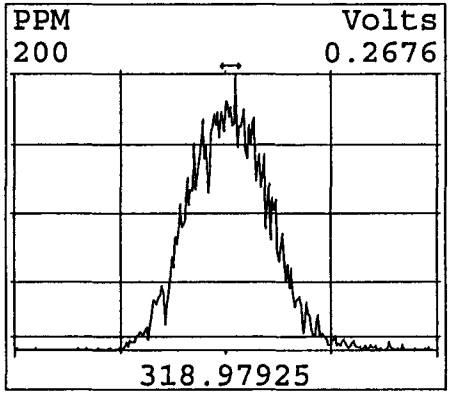
30AU104D5	54	L563K-1-AA	G0H260533-1	20	TO-9/AIR	15	0.50000	SAM
30AU104D5	55	L568A-1-AC	G0H260533-1LCS	20	TO-9/AIR		0.50000	SAM
30AU104D5	56	L568A-1-AD	G0H260533-1DCS	20	TO-9/AIR		0.50000	SAM
30AU104D5	57	L56C2-1-AC	C0H060548-22LCS RI	20	1613B/WATER	12	1.00000	L
)AU104D5	58	ST0830D	CS3 10DXN417				1.00000	
30AU104D5	59						1.00000	
30AU104D5	60						1.00000	
30AU104D5	61						1.00000	
30AU104D5	62		AS 08-30-10				1.00000	

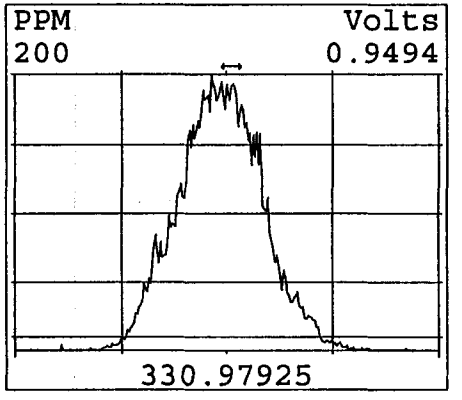
Logged 9/11/10 KS

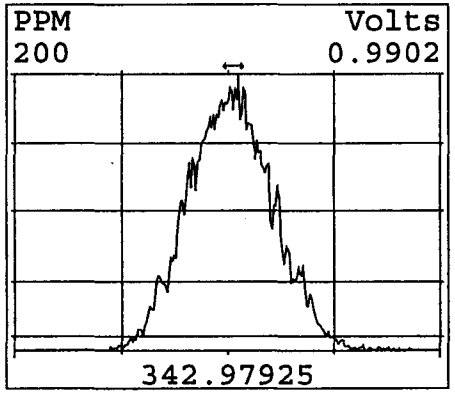
Peak Locate Examination:30-AUG-2010:09:40 File:30AU104D5
Experiment:DIOXINRES Function:1 Reference:PFK

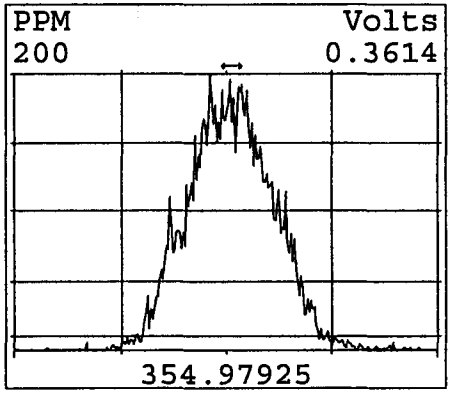


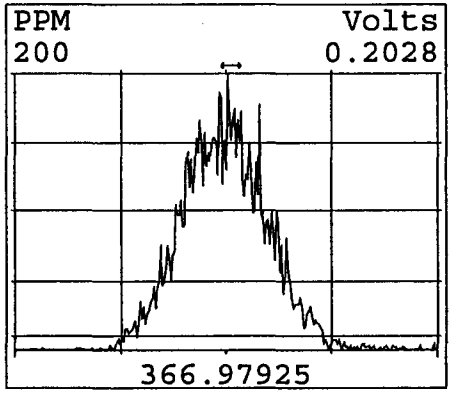


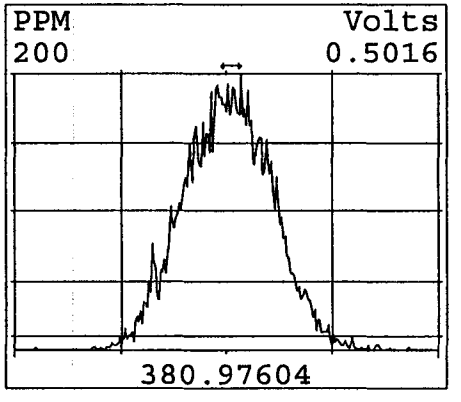


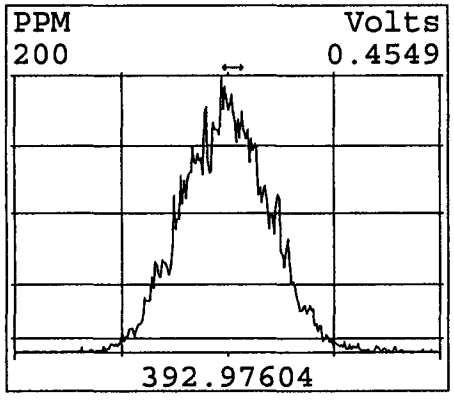


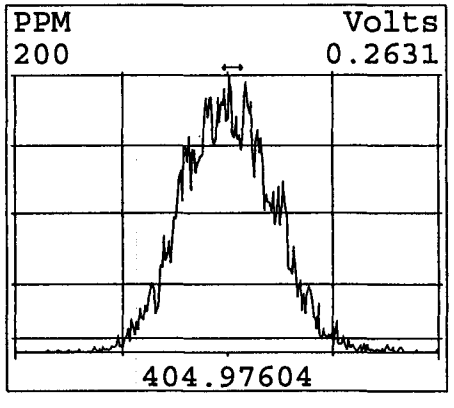


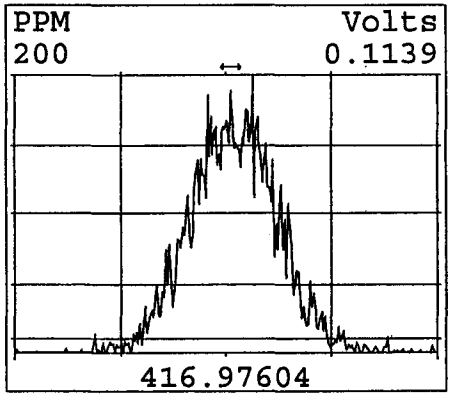




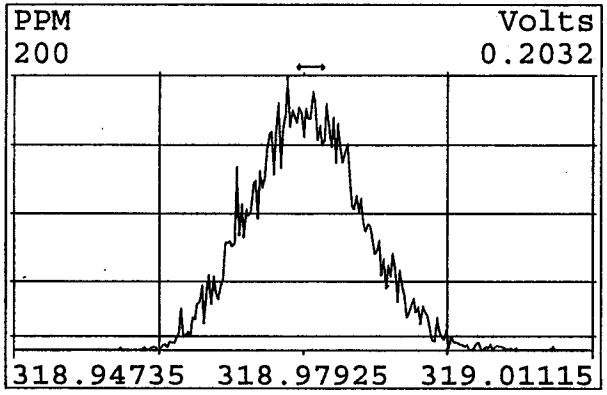


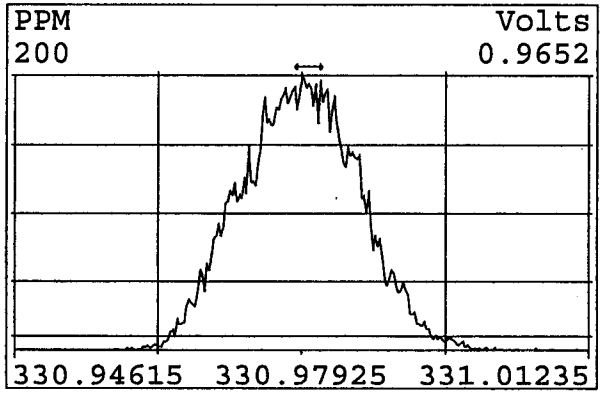


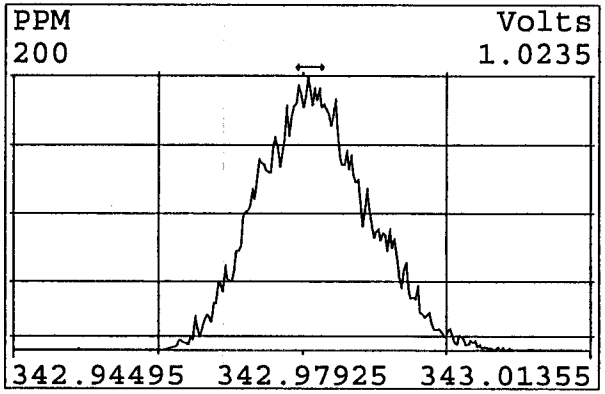


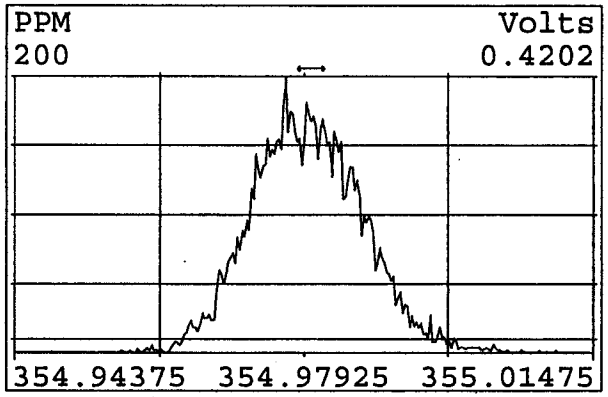


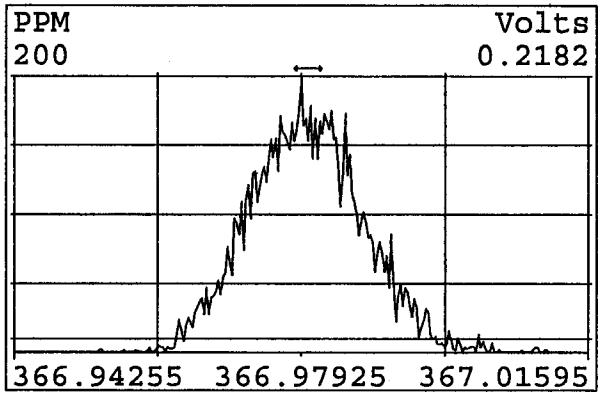
Peak Locate Examination:30-AUG-2010:09:41 File:30AU104D5
Experiment:DIOXINRES Function:2 Reference:PFK

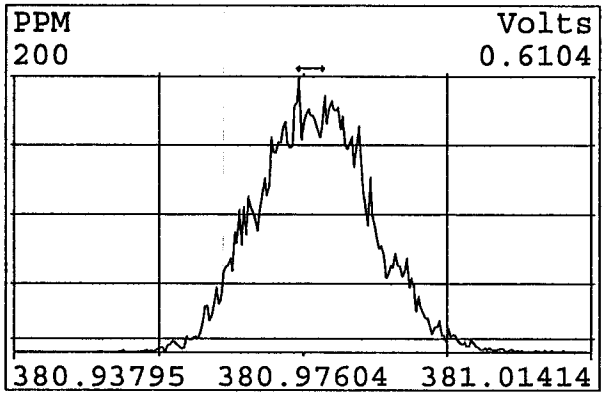


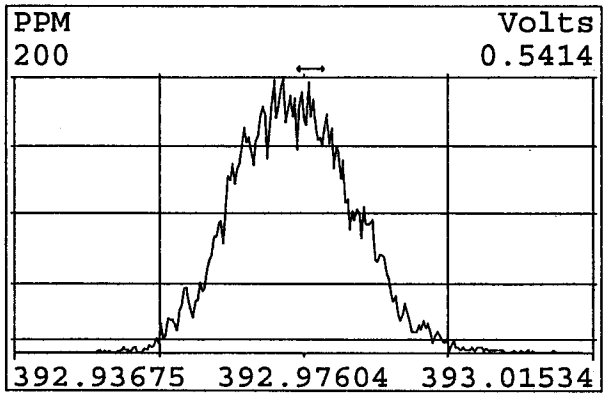


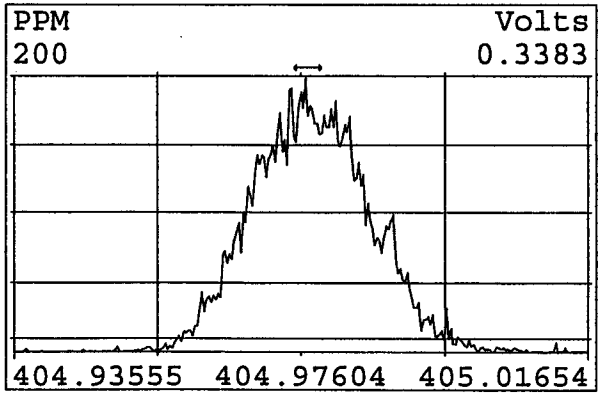


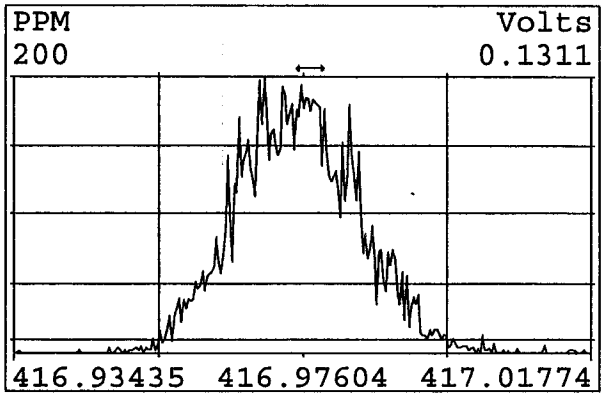




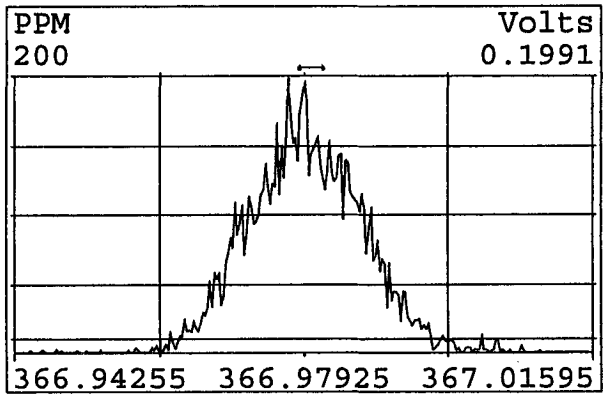


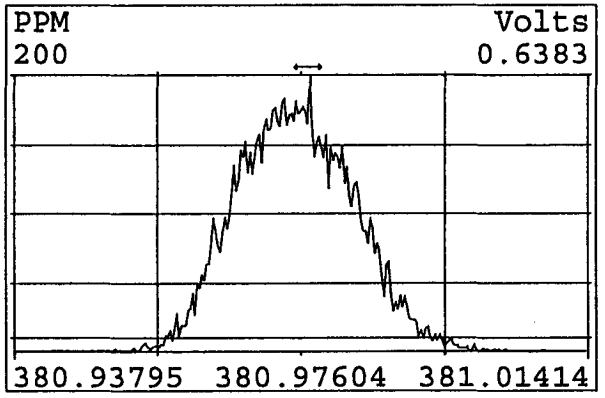


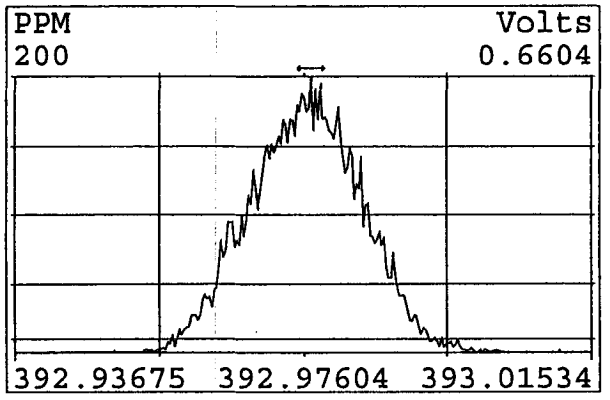


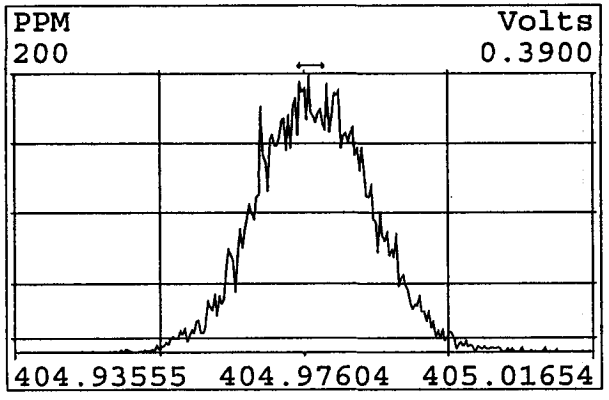


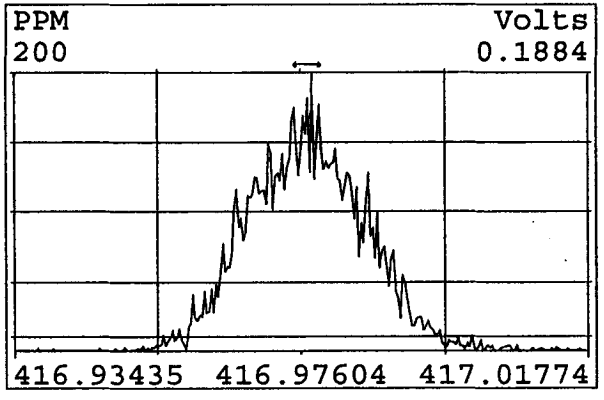
Peak Locate Examination:30-AUG-2010:09:41 File:30AU104D5
Experiment:DIOXINRES Function:3 Reference:PFK

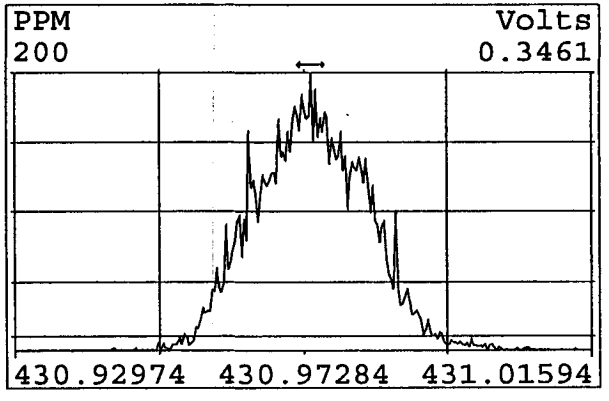


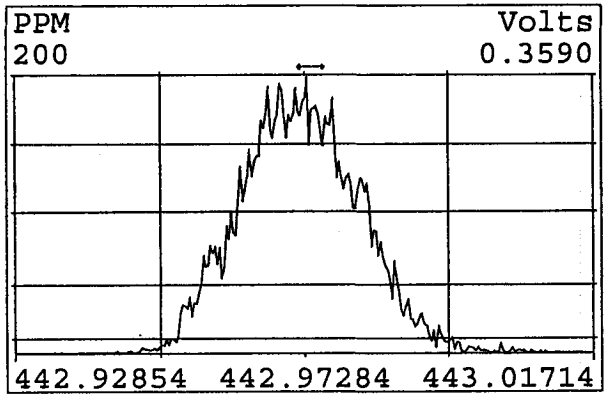


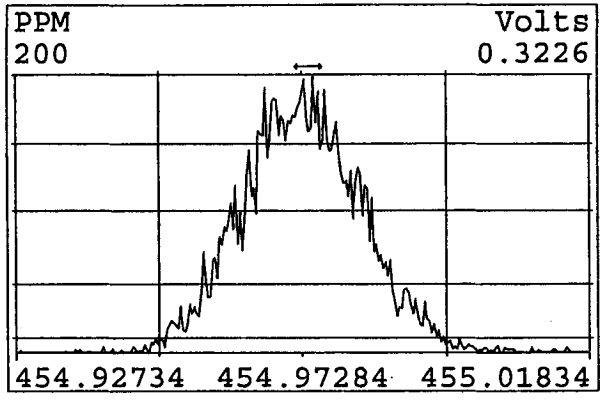




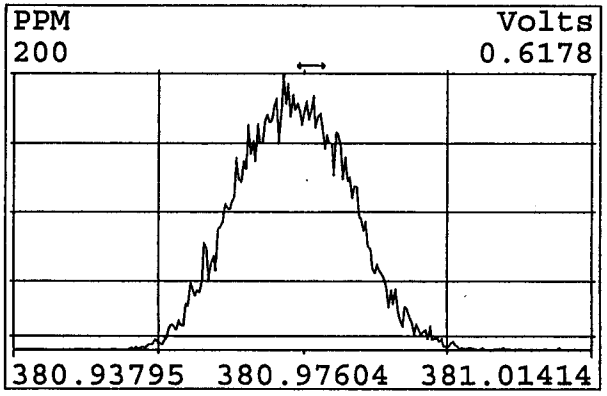


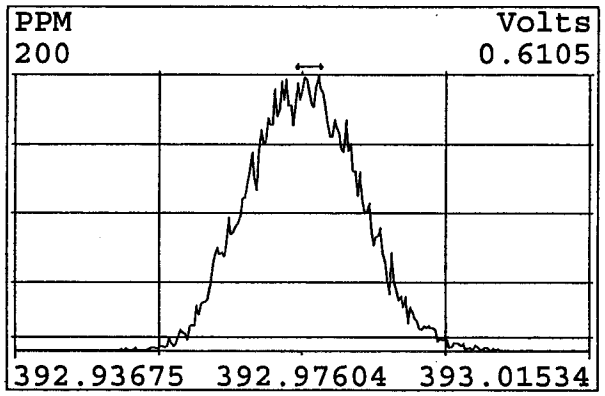


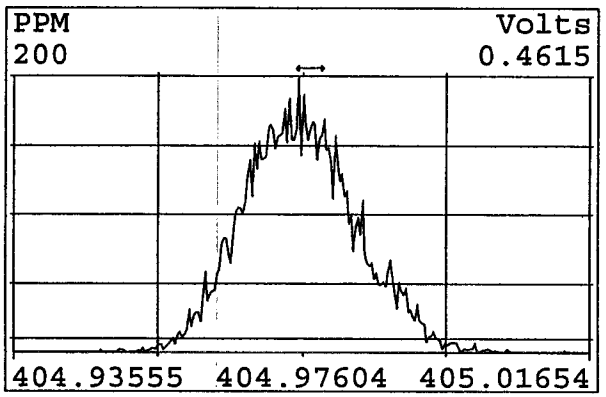


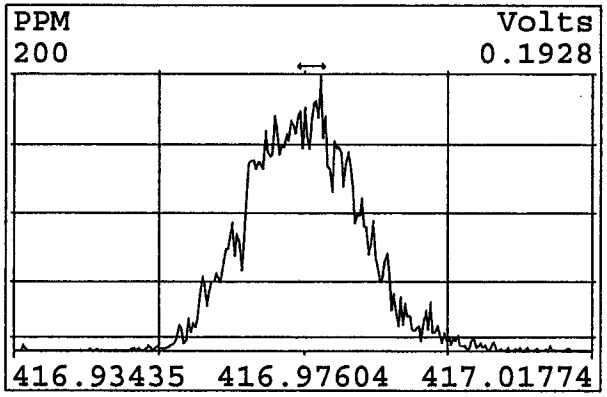


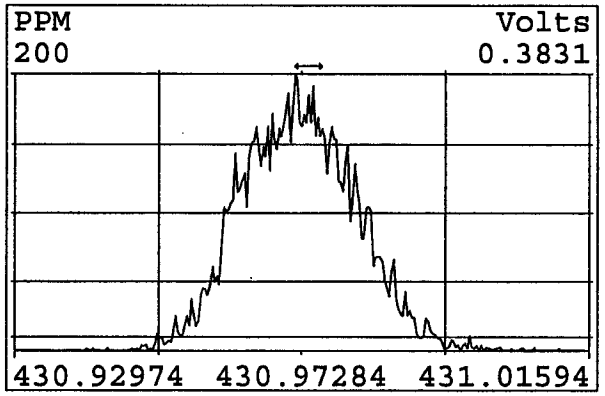
Peak Locate Examination:30-AUG-2010:09:41 File:30AU104D5
Experiment:DIOXINRES Function:4 Reference:PFK

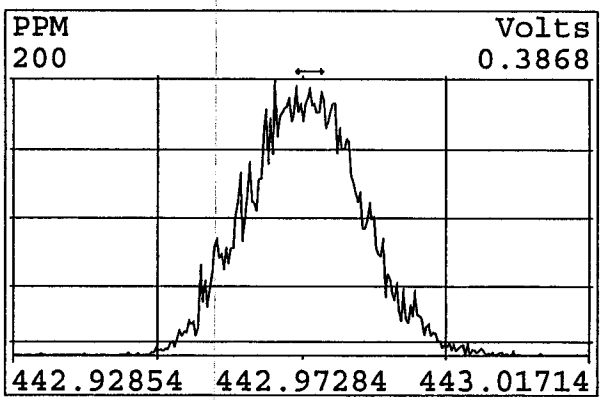


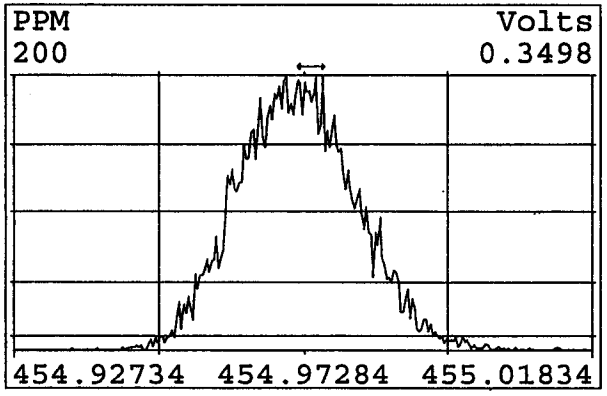


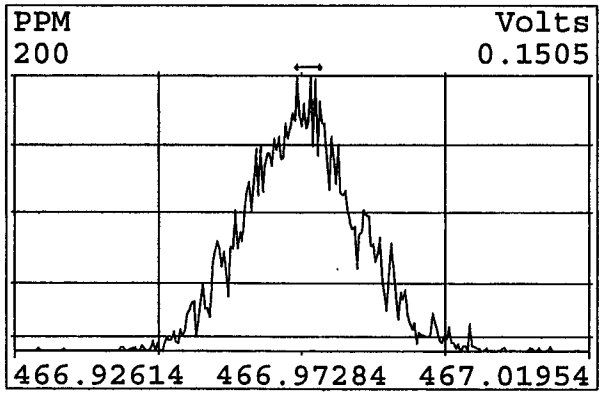


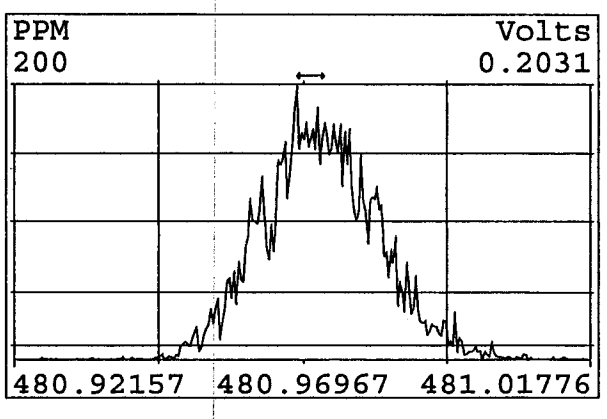




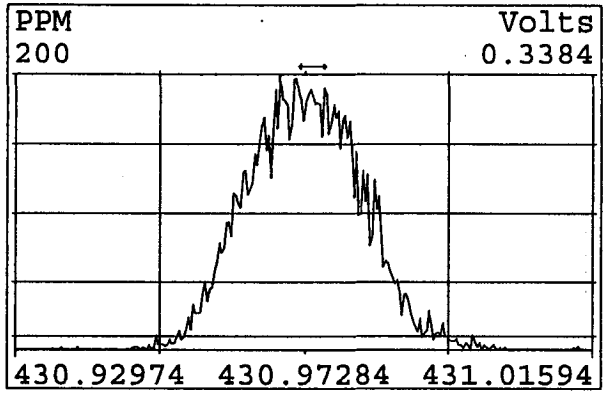


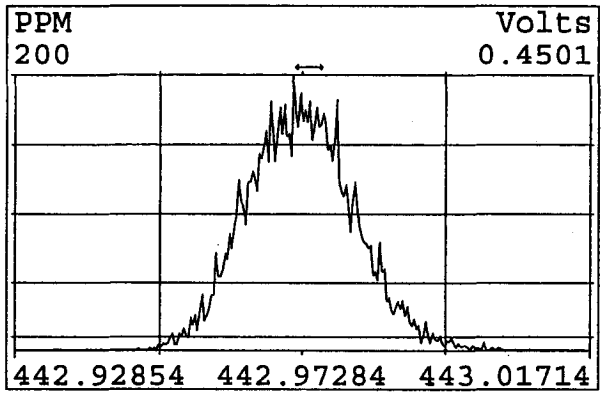


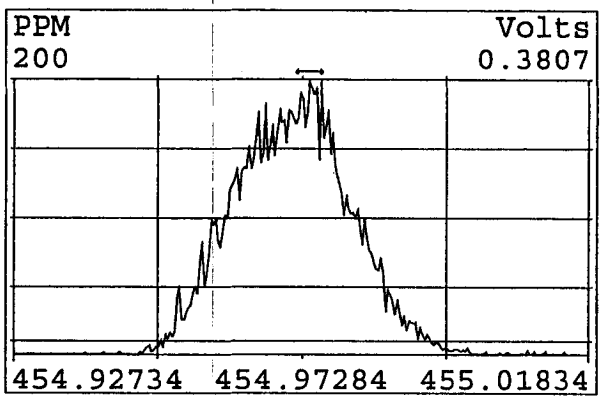


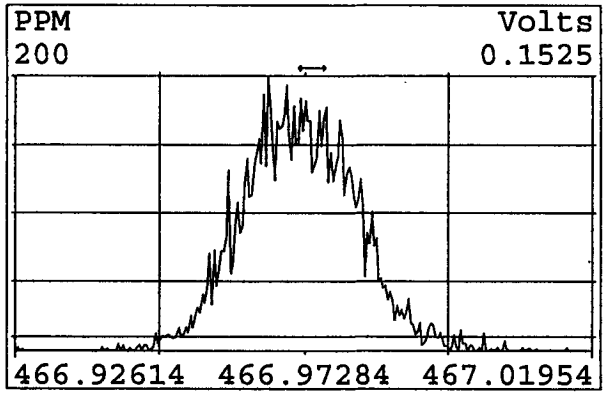


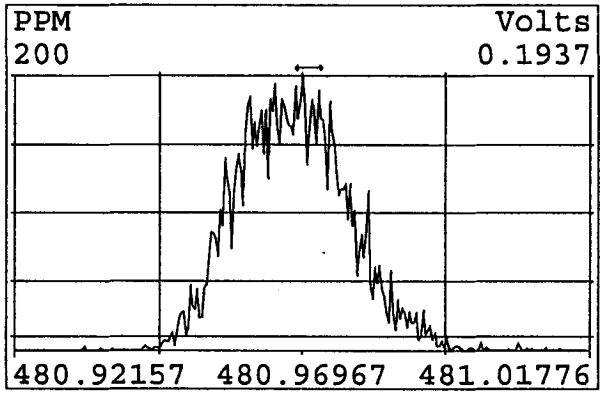
Peak Locate Examination:30-AUG-2010:09:42 File:30AU104D5
Experiment:DIOXINRES Function:5 Reference:PFK

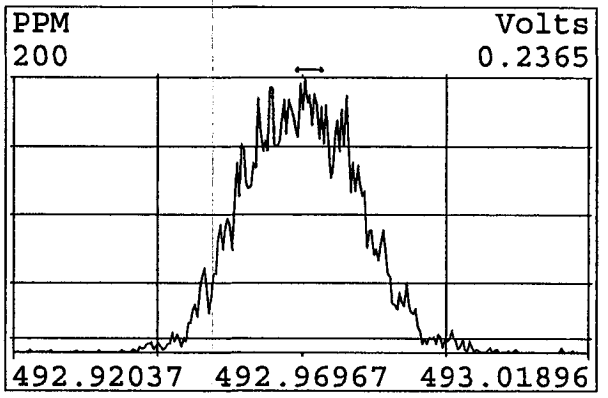


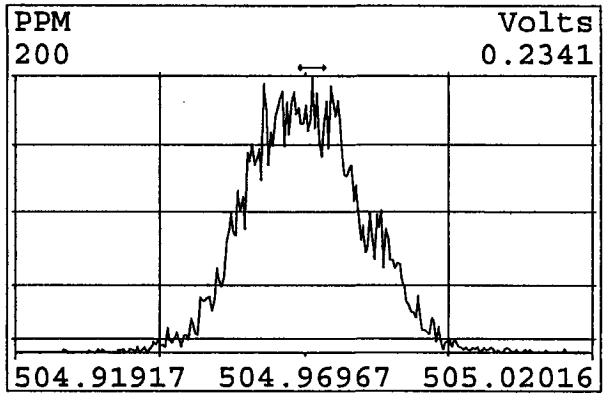


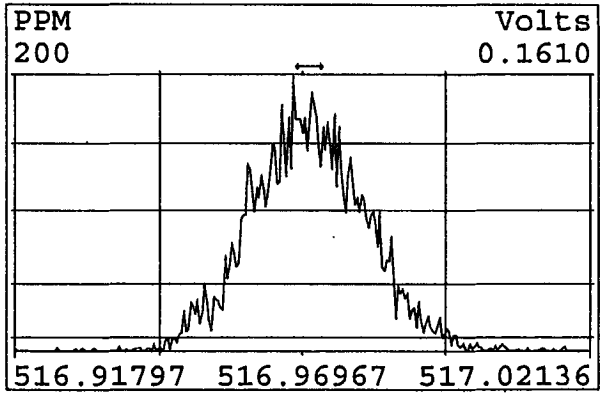




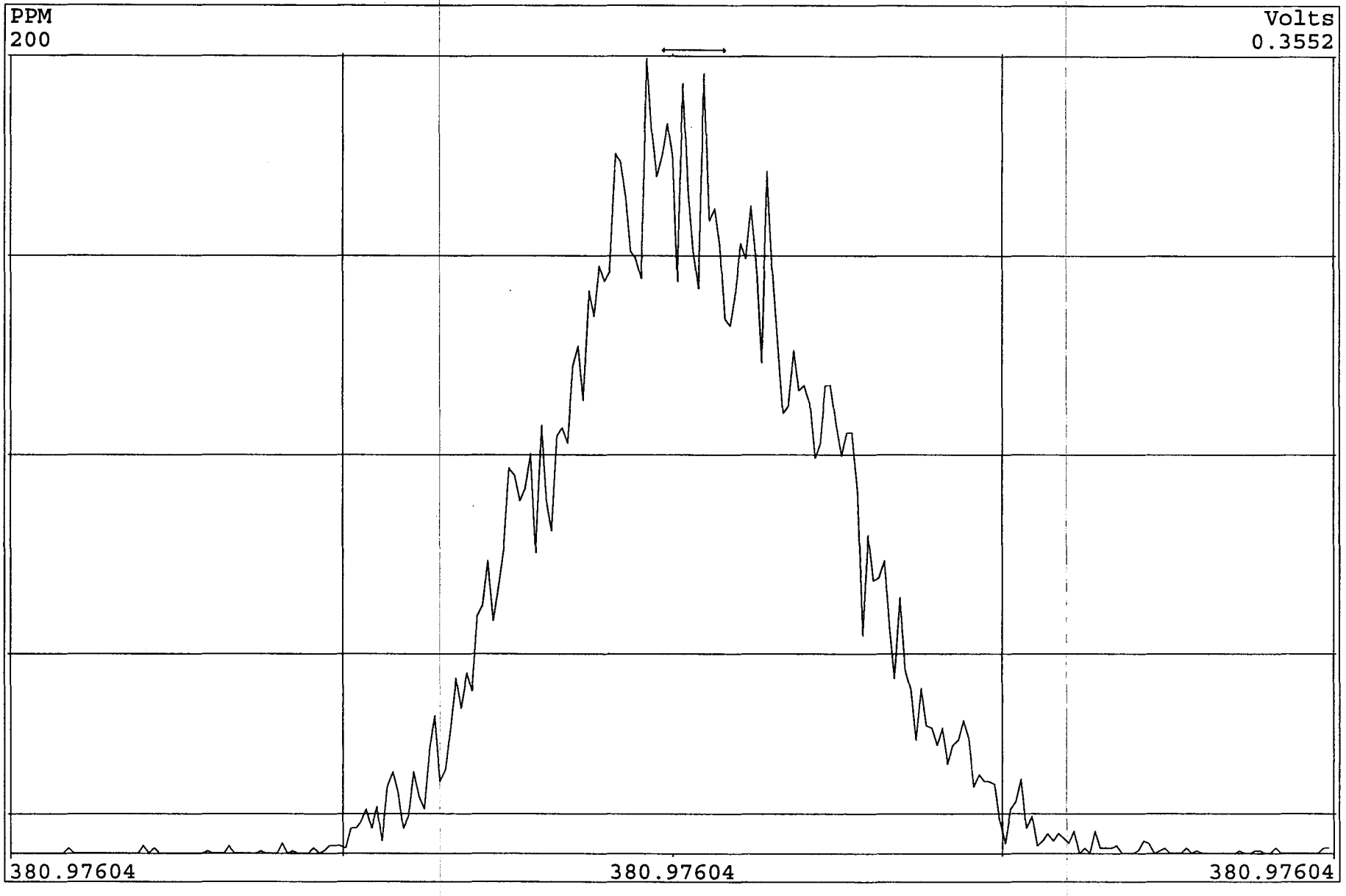




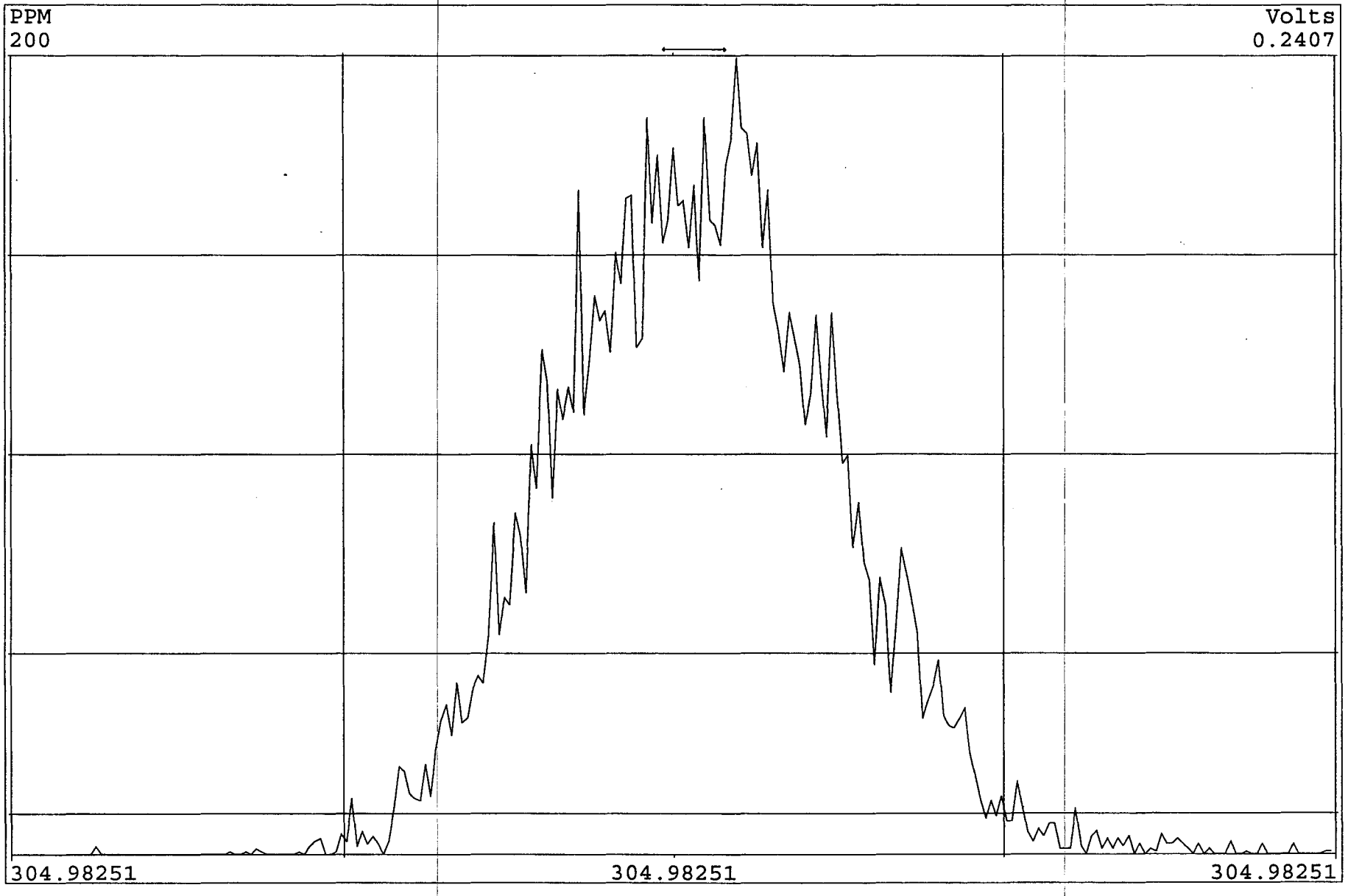




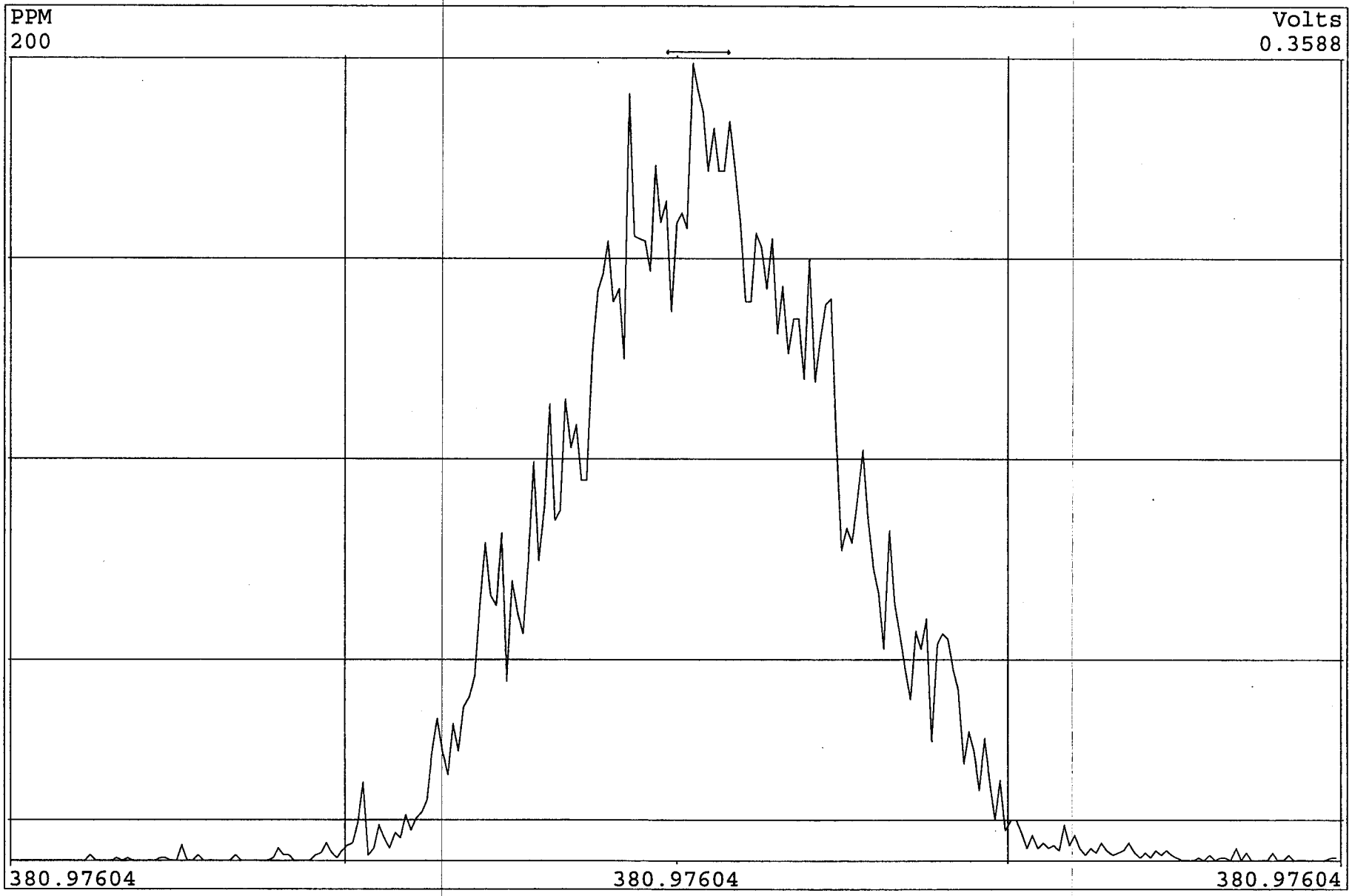
SIRLM Examination:30-AUG-2010:15:36 File:30AU104D5
Experiment:DIOXINRES Function:6



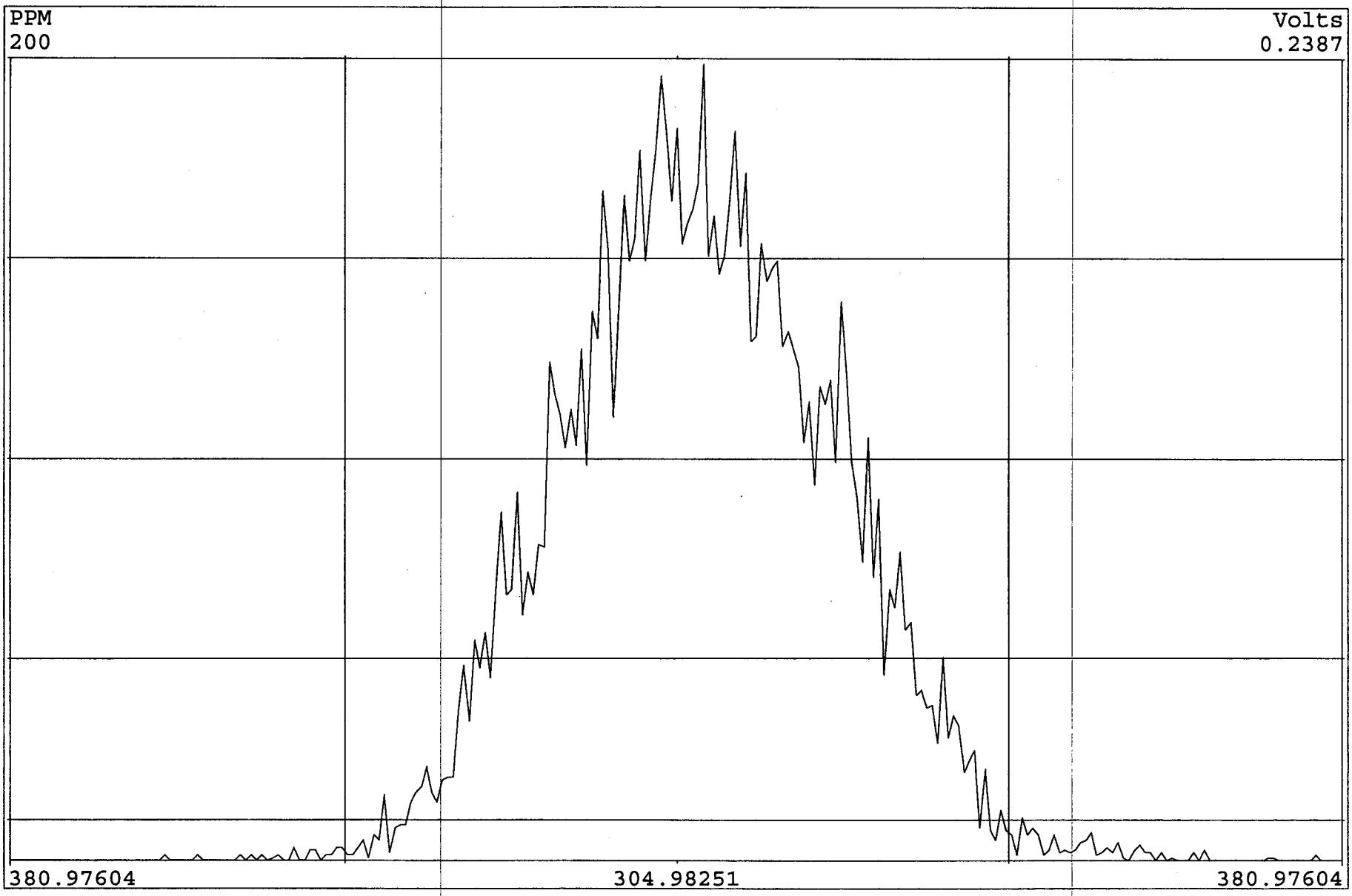
SIRLM Examination:30-AUG-2010:15:37 File:30AU104D5
Experiment:DIOXINRES Function:7

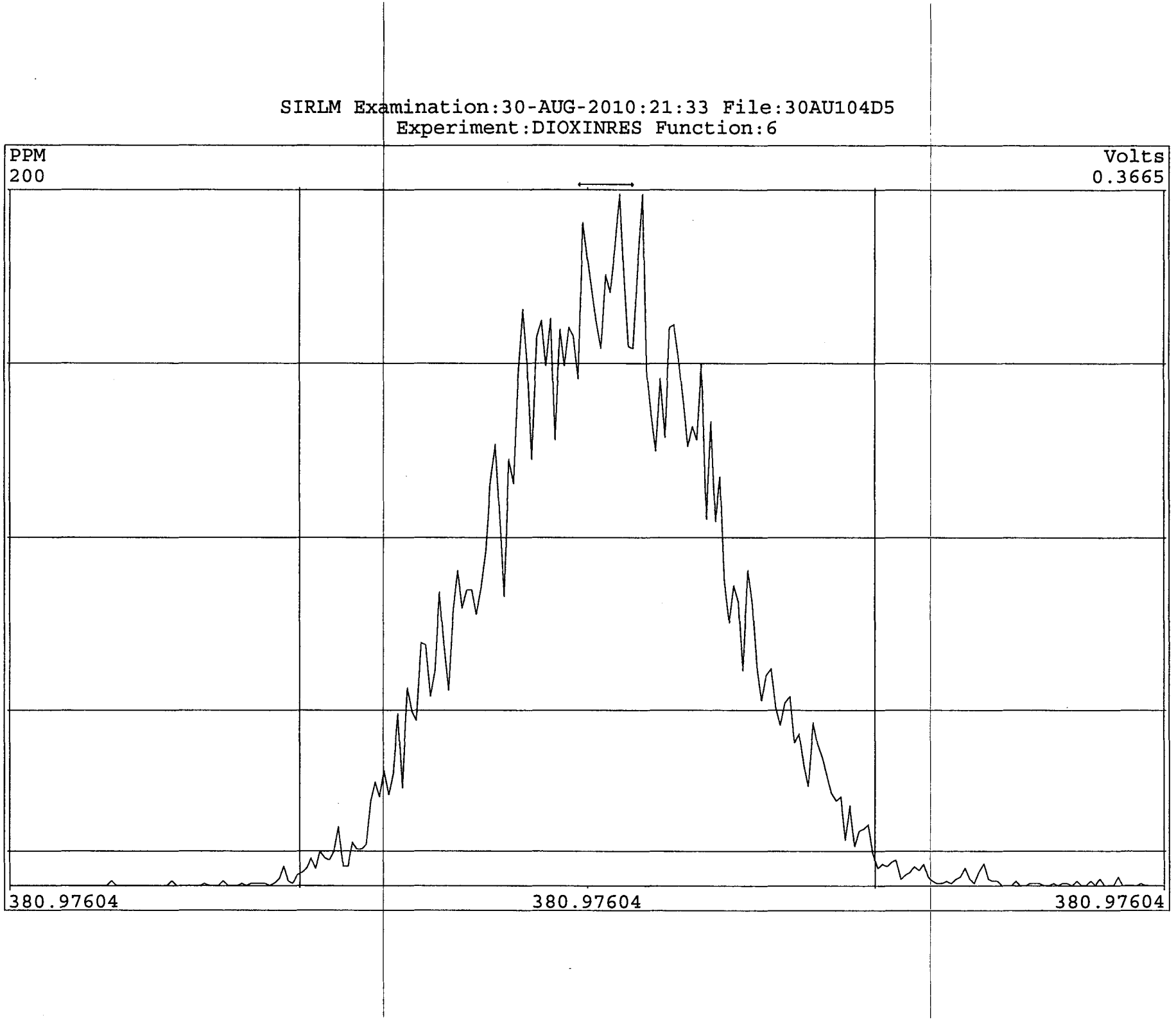


SIRLM Examination:30-AUG-2010:20:48 File:30AU104D5
Experiment:DIOXINRES Function:6

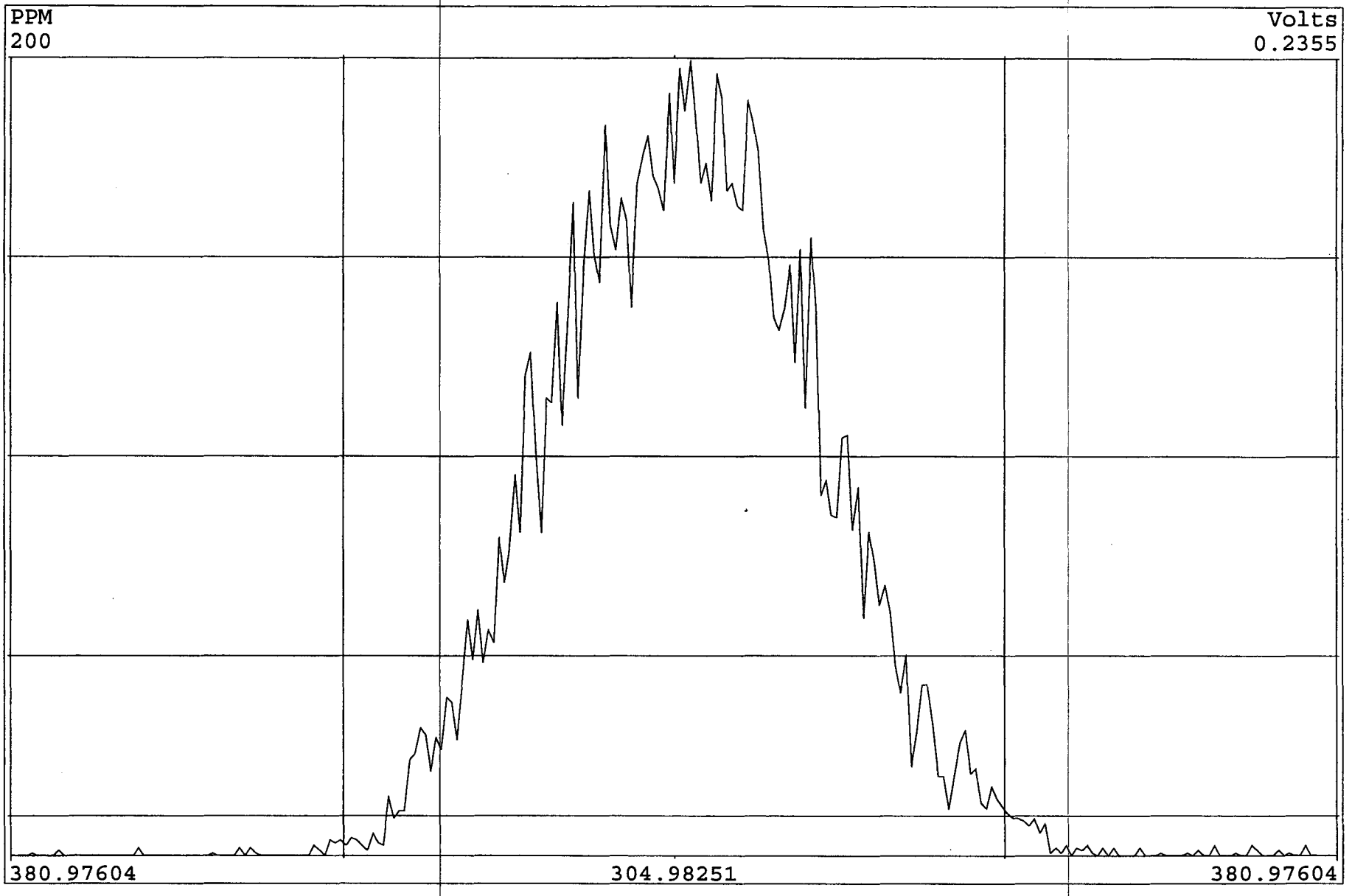


SIRLM Examination:30-AUG-2010:20:49 File:30AU104D5
Experiment:DIOXINRES Function:7

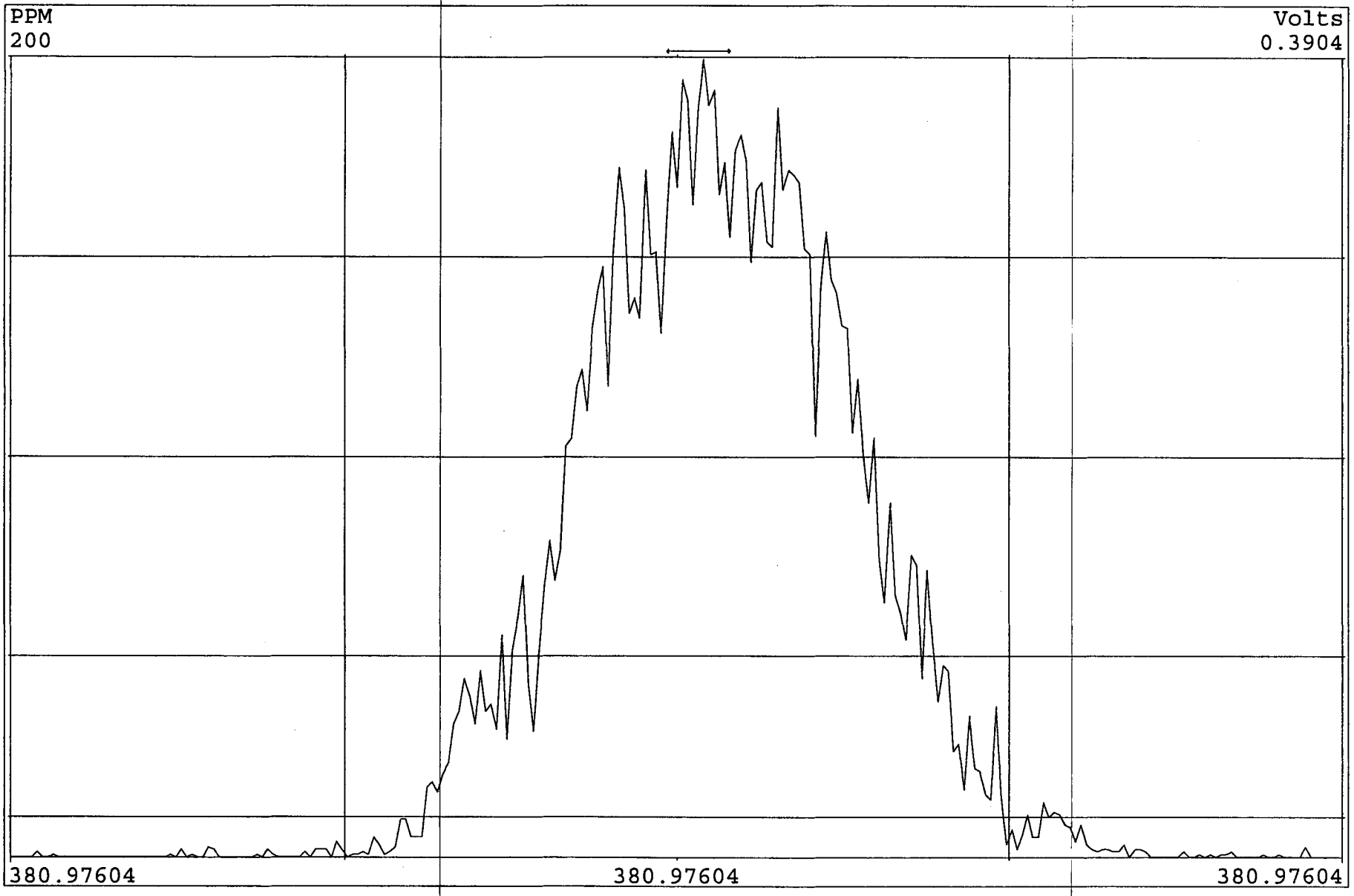


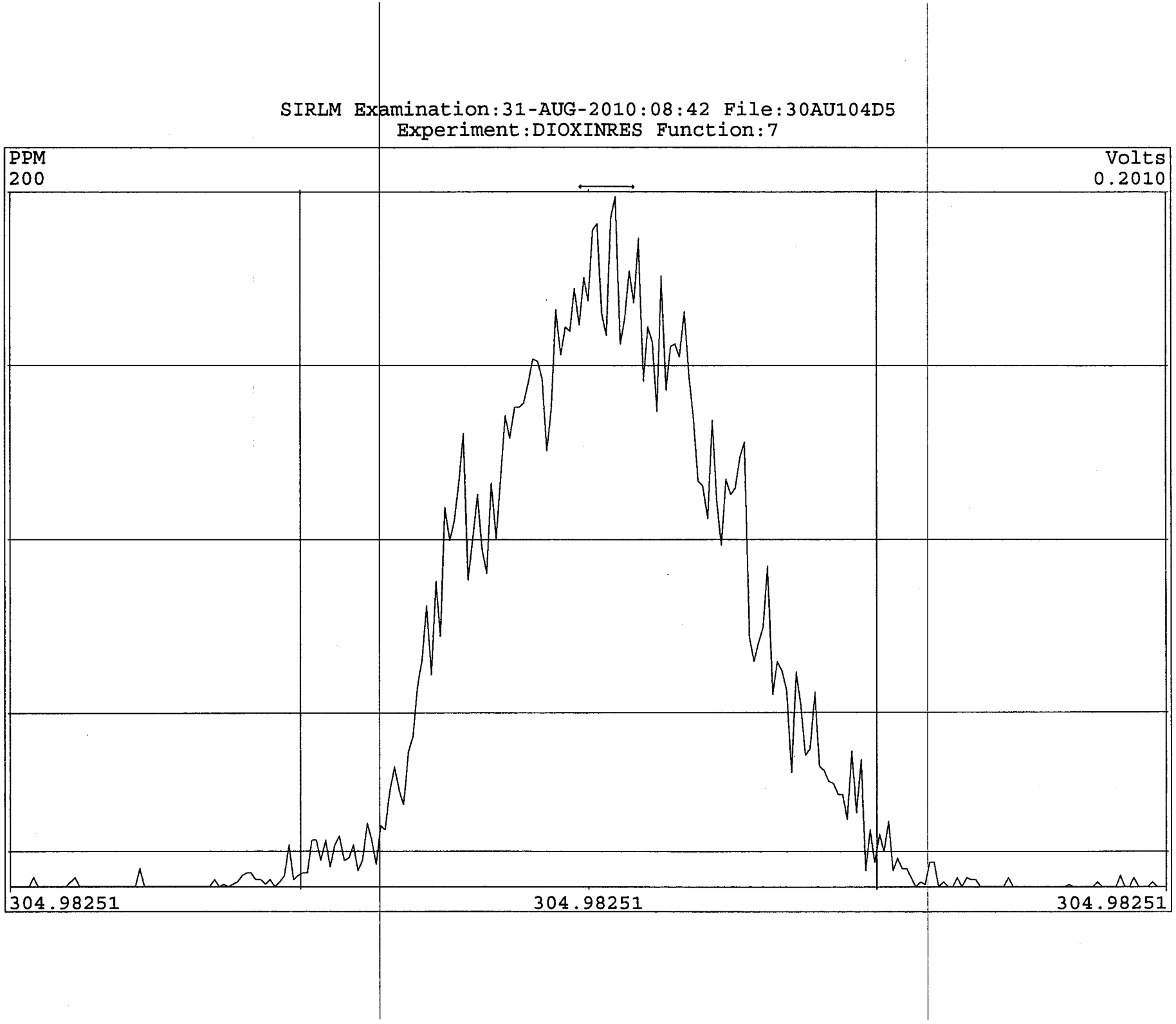


SIRLM Examination:30-AUG-2010:21:34 File:30AU104D5
Experiment:DIOXINRES Function:7

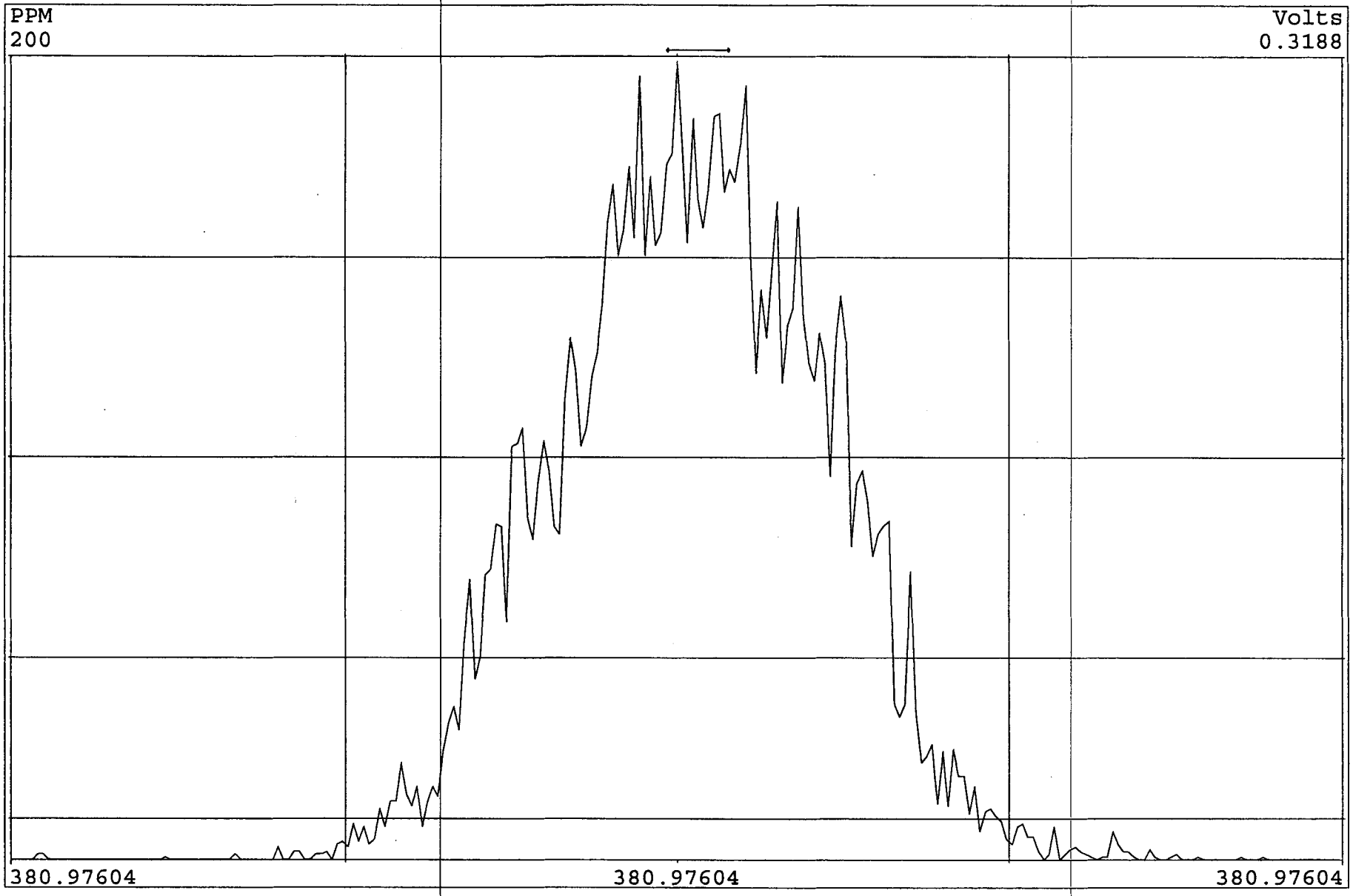


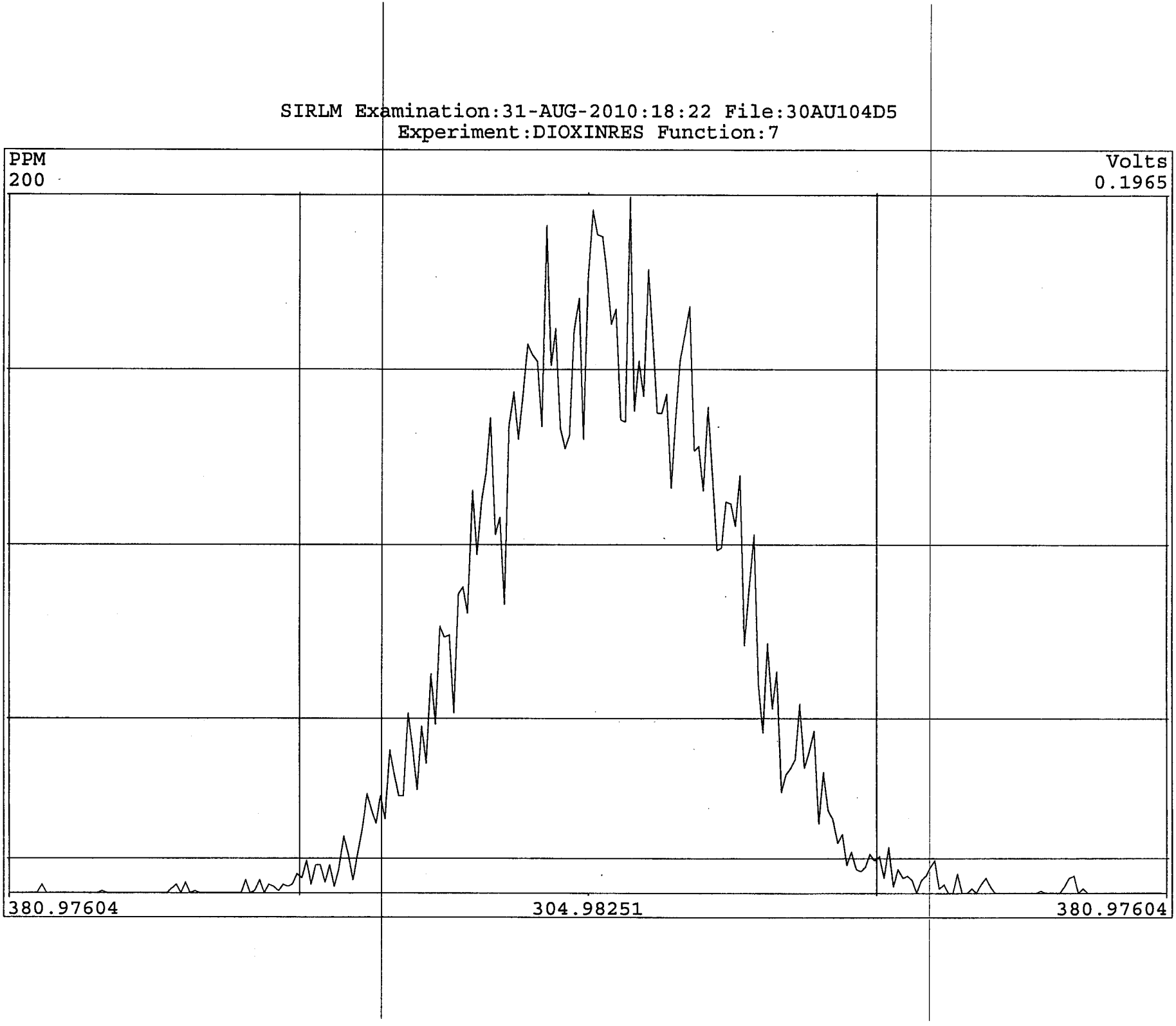
SIRLM Examination:31-AUG-2010:08:42 File:30AU104D5
Experiment:DIOXINRES Function:6



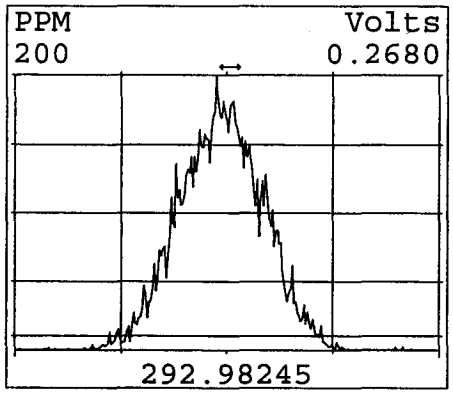


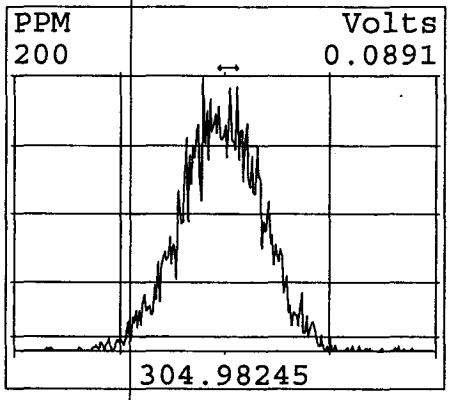
SIRLM Examination:31-AUG-2010:18:21 File:30AU104D5
Experiment:DIOXINRES Function:6

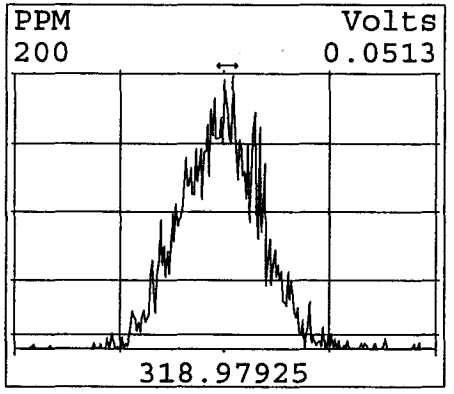


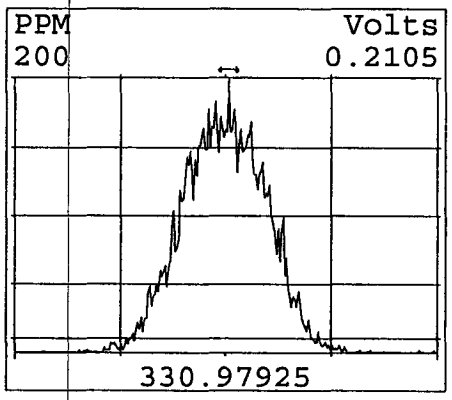

SIRLM Examination:31-AUG-2010:18:22 File:30AU104D5
Experiment:DIOXINRES Function:7
PPM
200
Volts
0.1965
380.97604
304.98251
380.97604

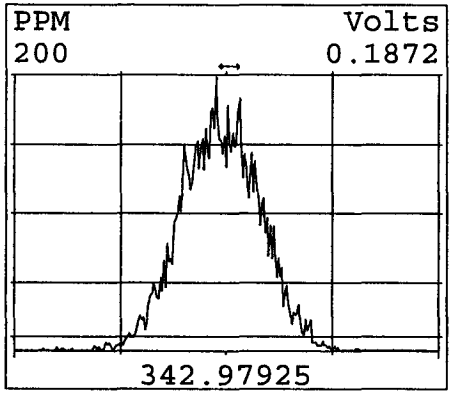
Peak Locate Examination: 1-SEP-2010:09:07 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:1 Reference:PFK

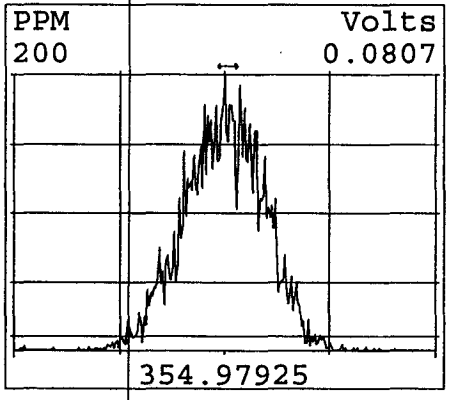


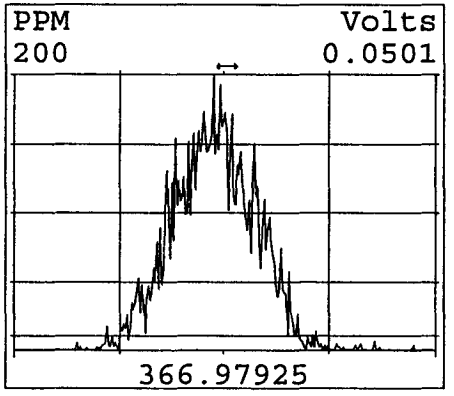


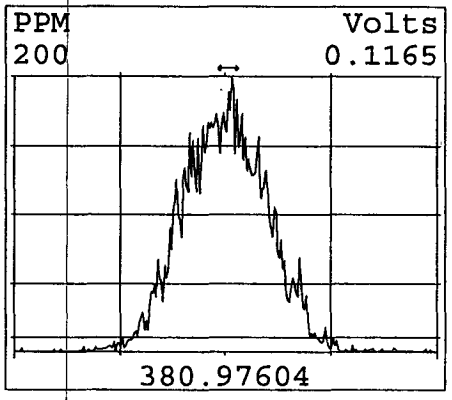


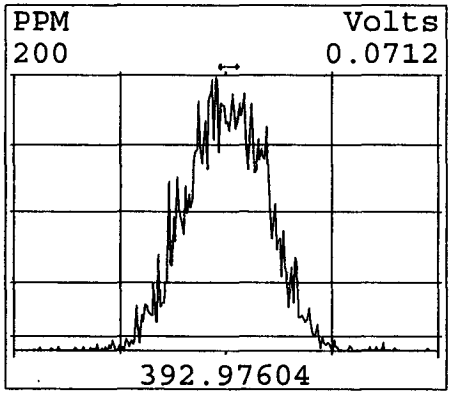


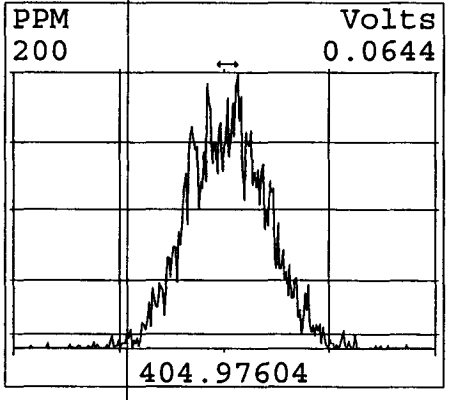


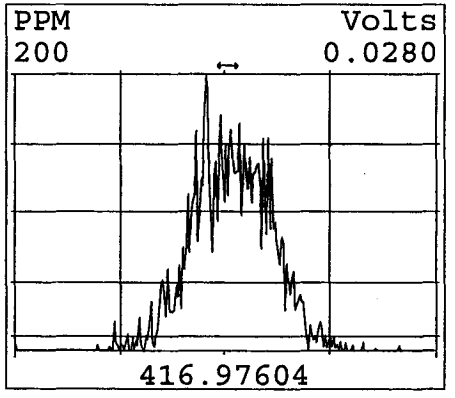




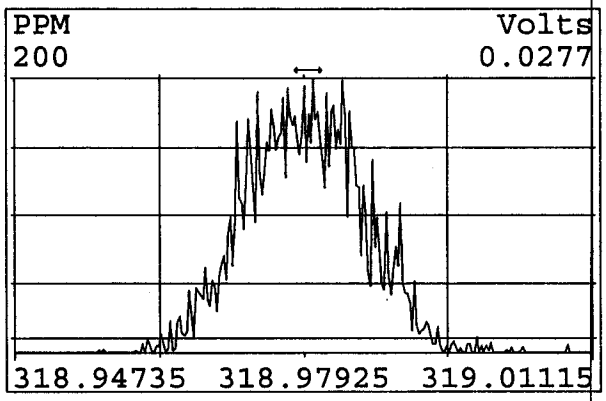


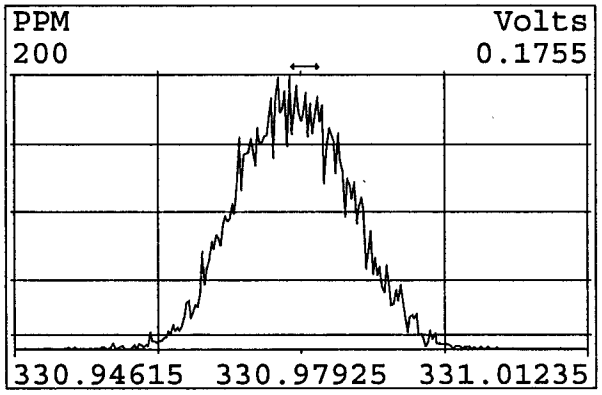


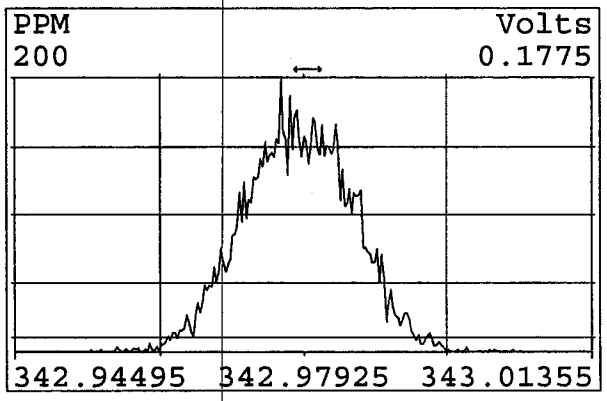


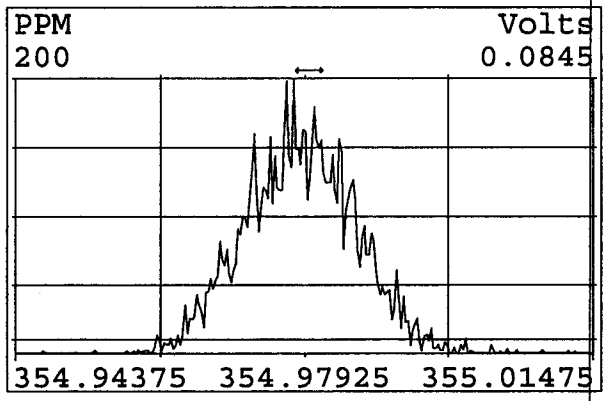


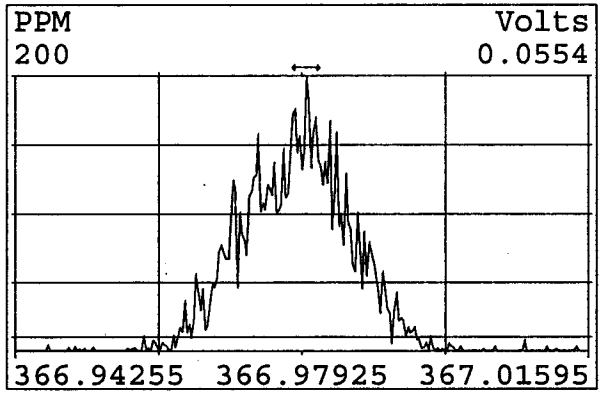
Peak Locate Examination: 1-SEP-2010:09:08 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:2 Reference:PFK

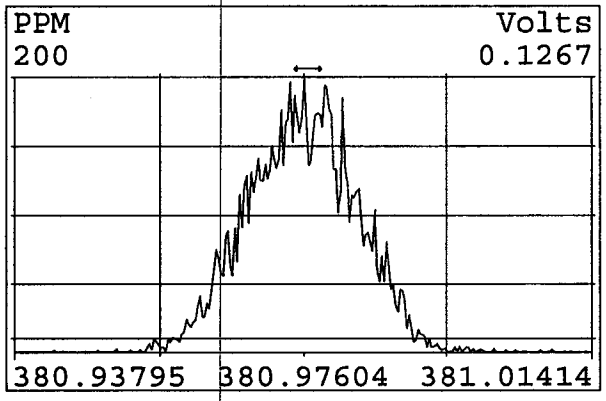


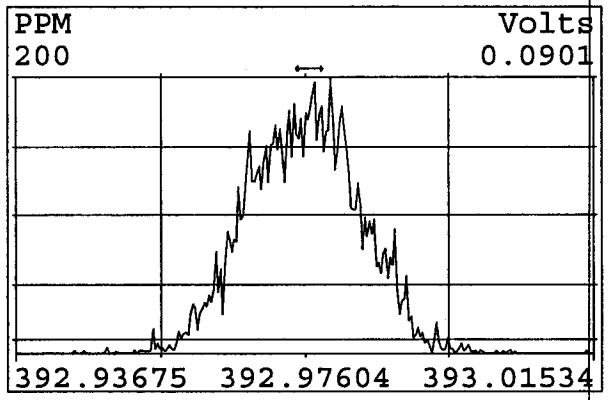


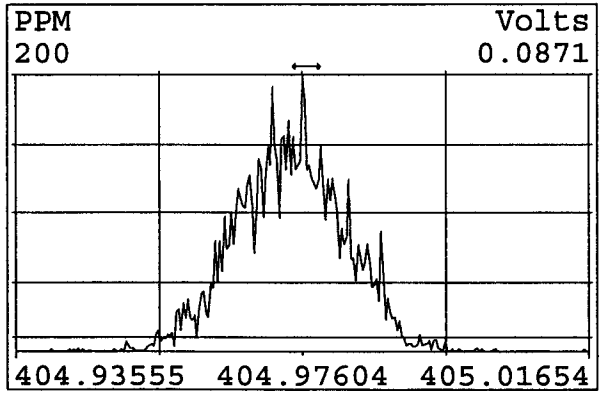


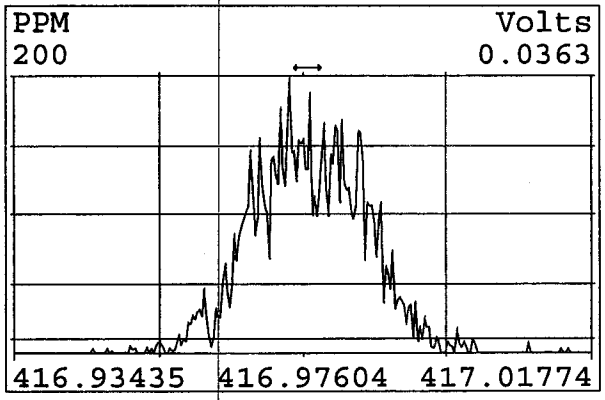




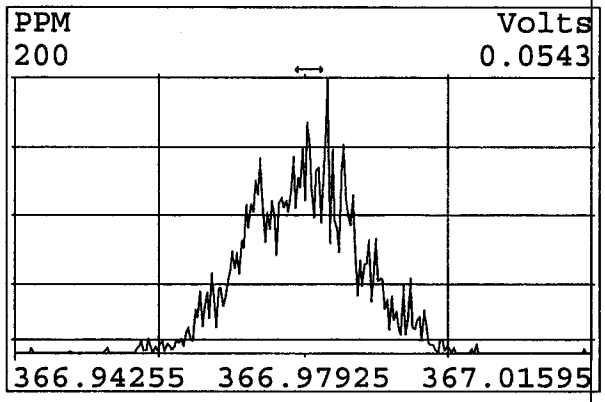


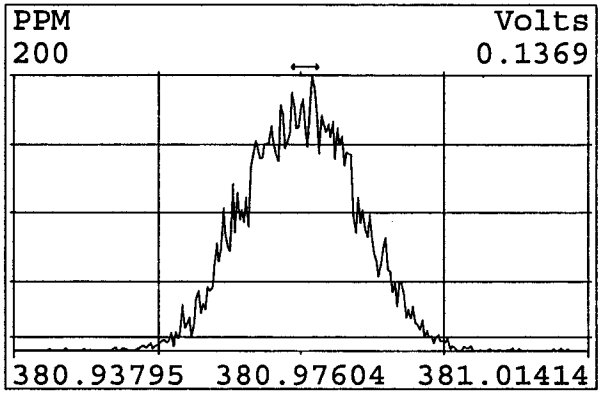


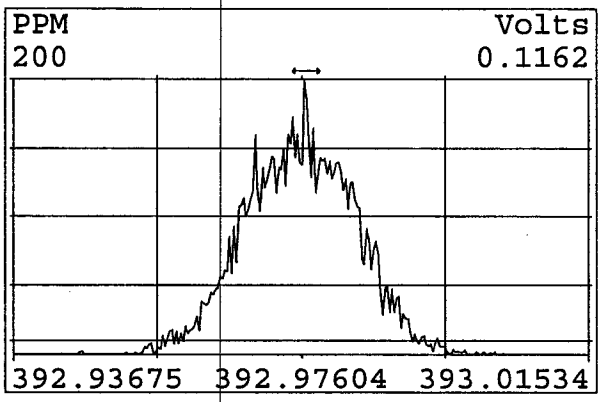


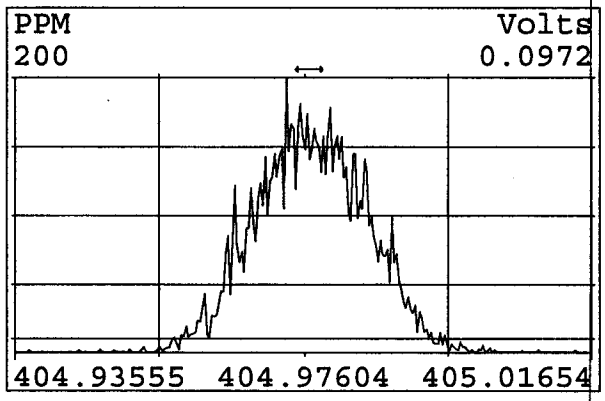


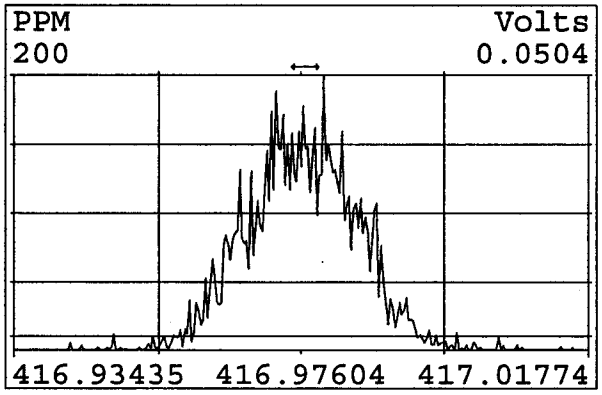
Peak Locate Examination: 1-SEP-2010:09:08 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:3 Reference:PFK

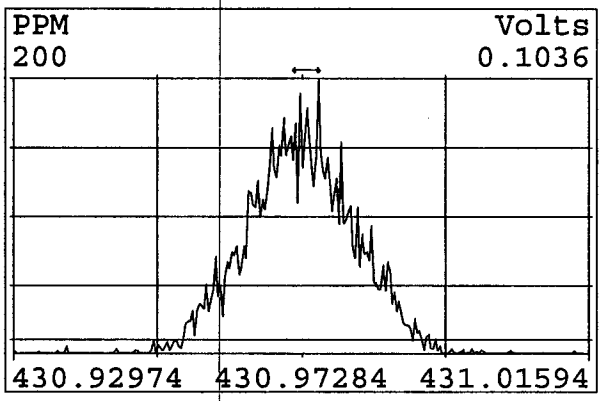


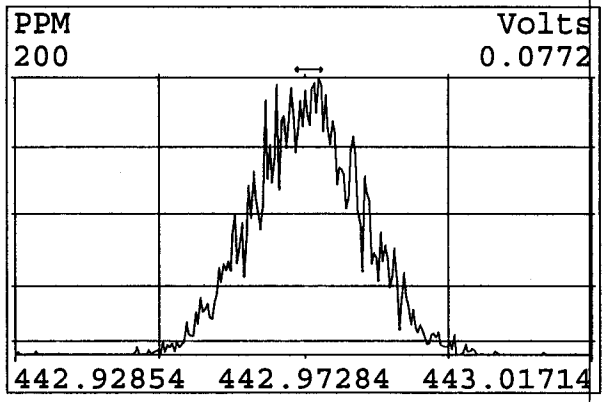


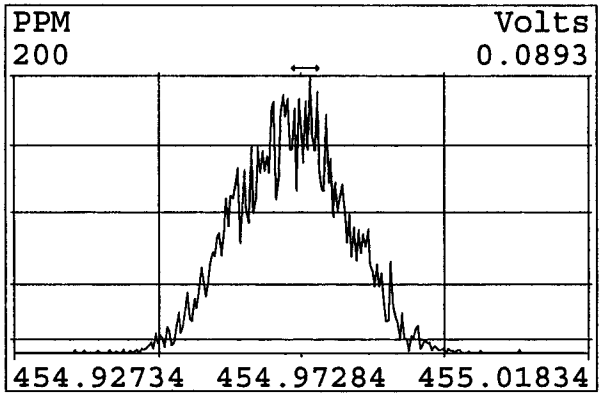




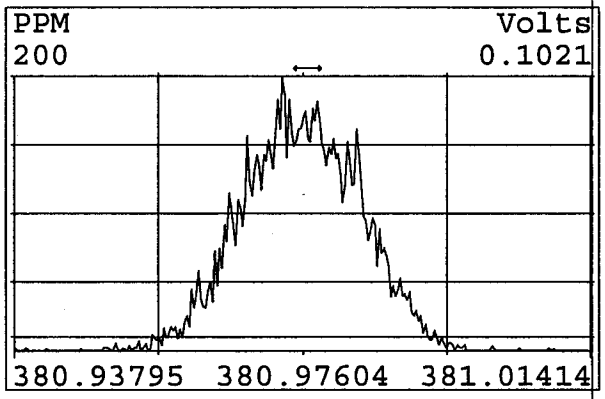


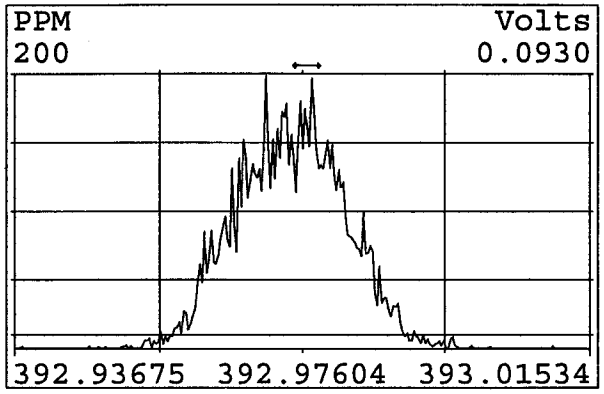


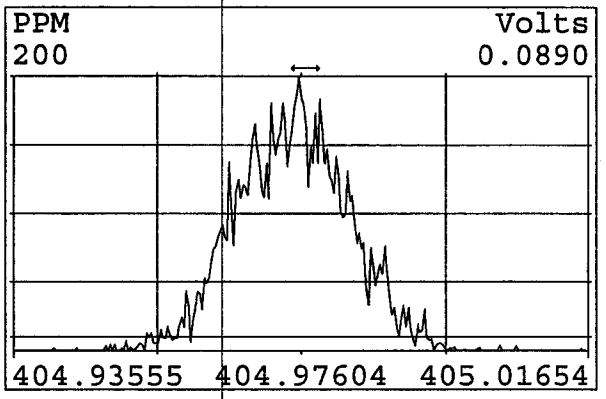


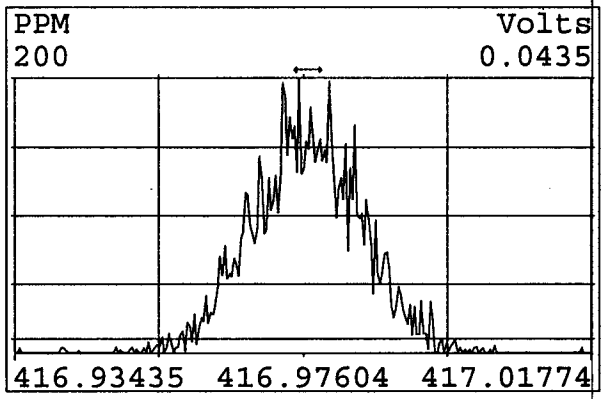


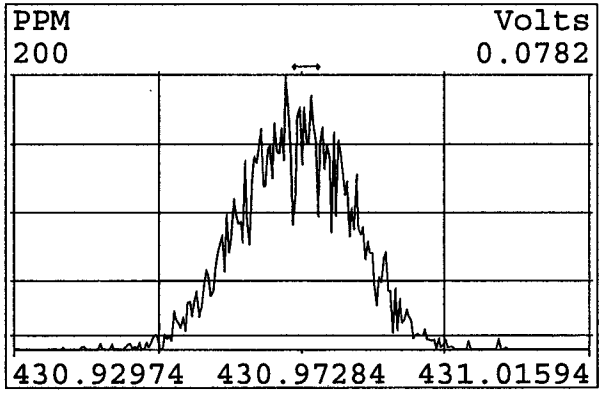
Peak Locate Examination: 1-SEP-2010:09:08 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:4 Reference:PFK

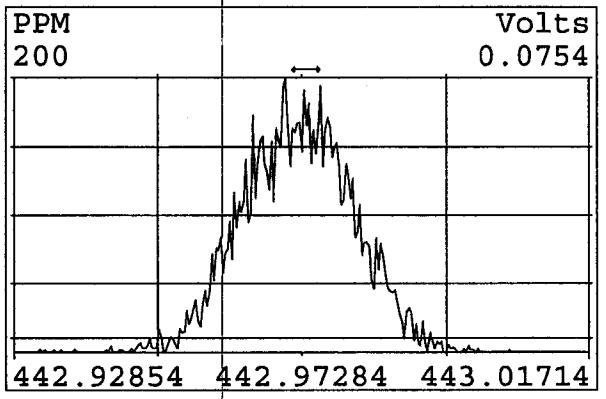


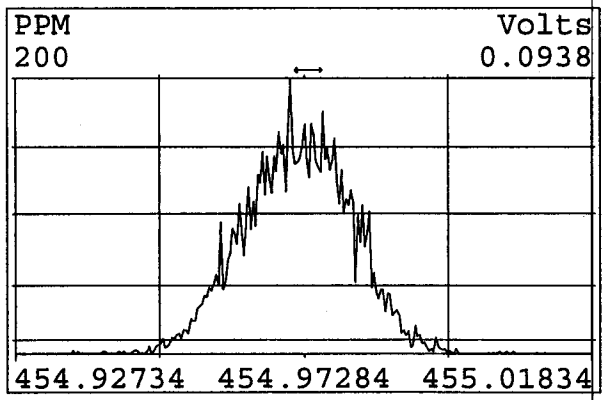


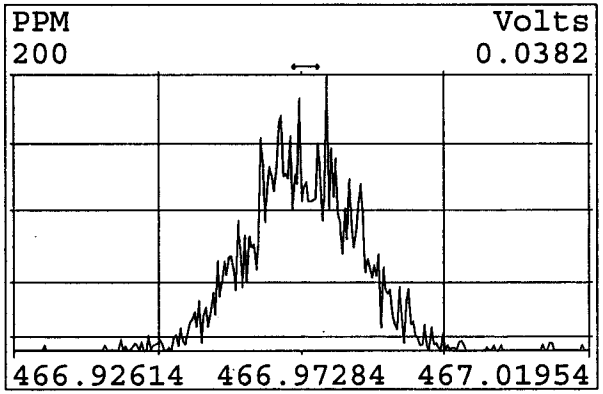


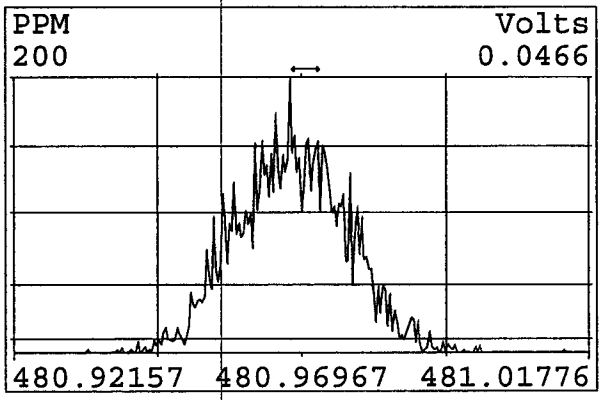




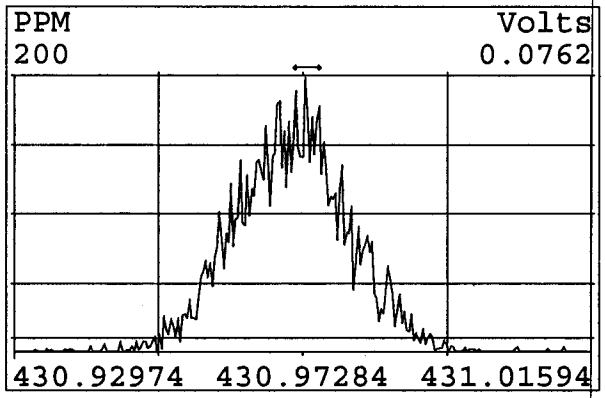


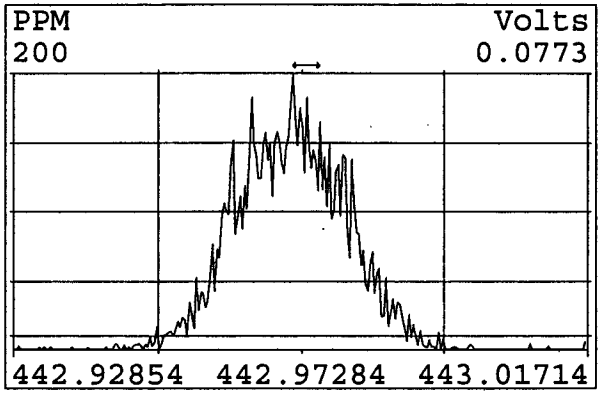


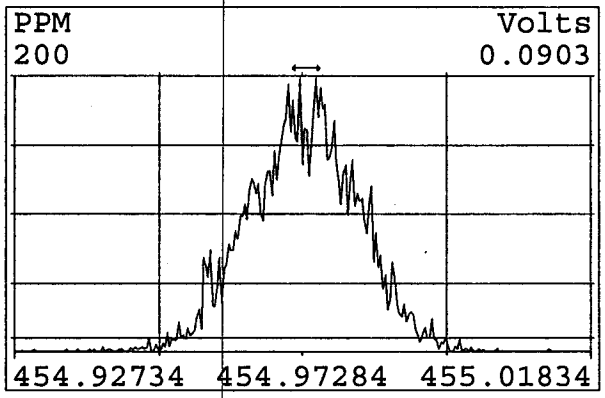


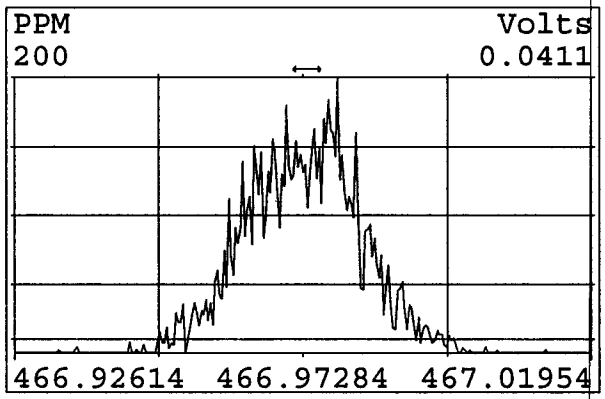


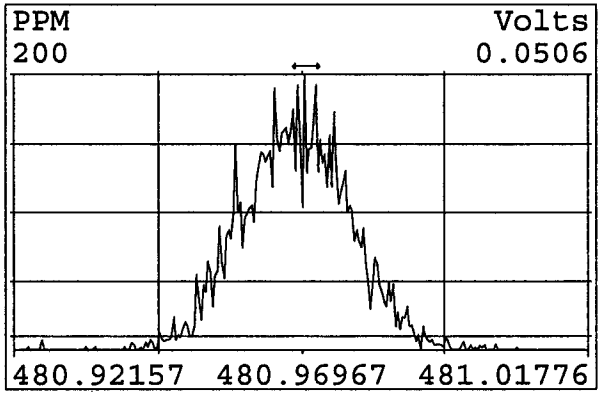
Peak Locate Examination: 1-SEP-2010:09:09 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:5 Reference:PFK

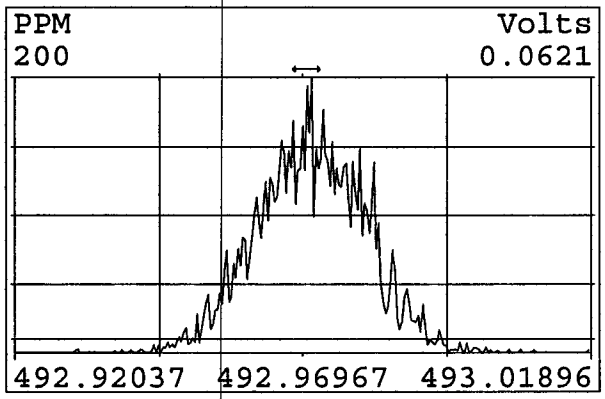


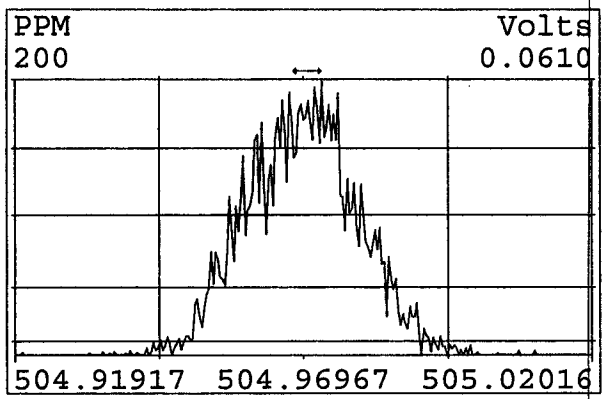


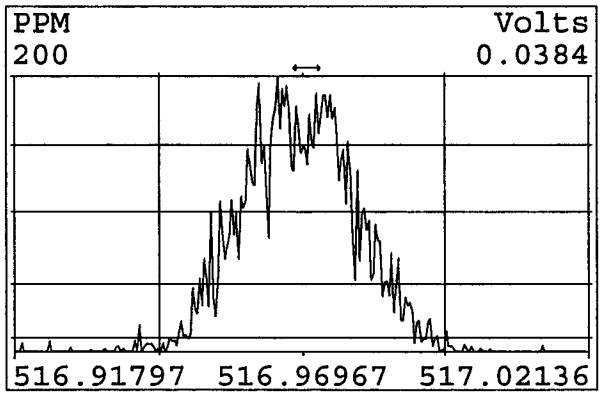




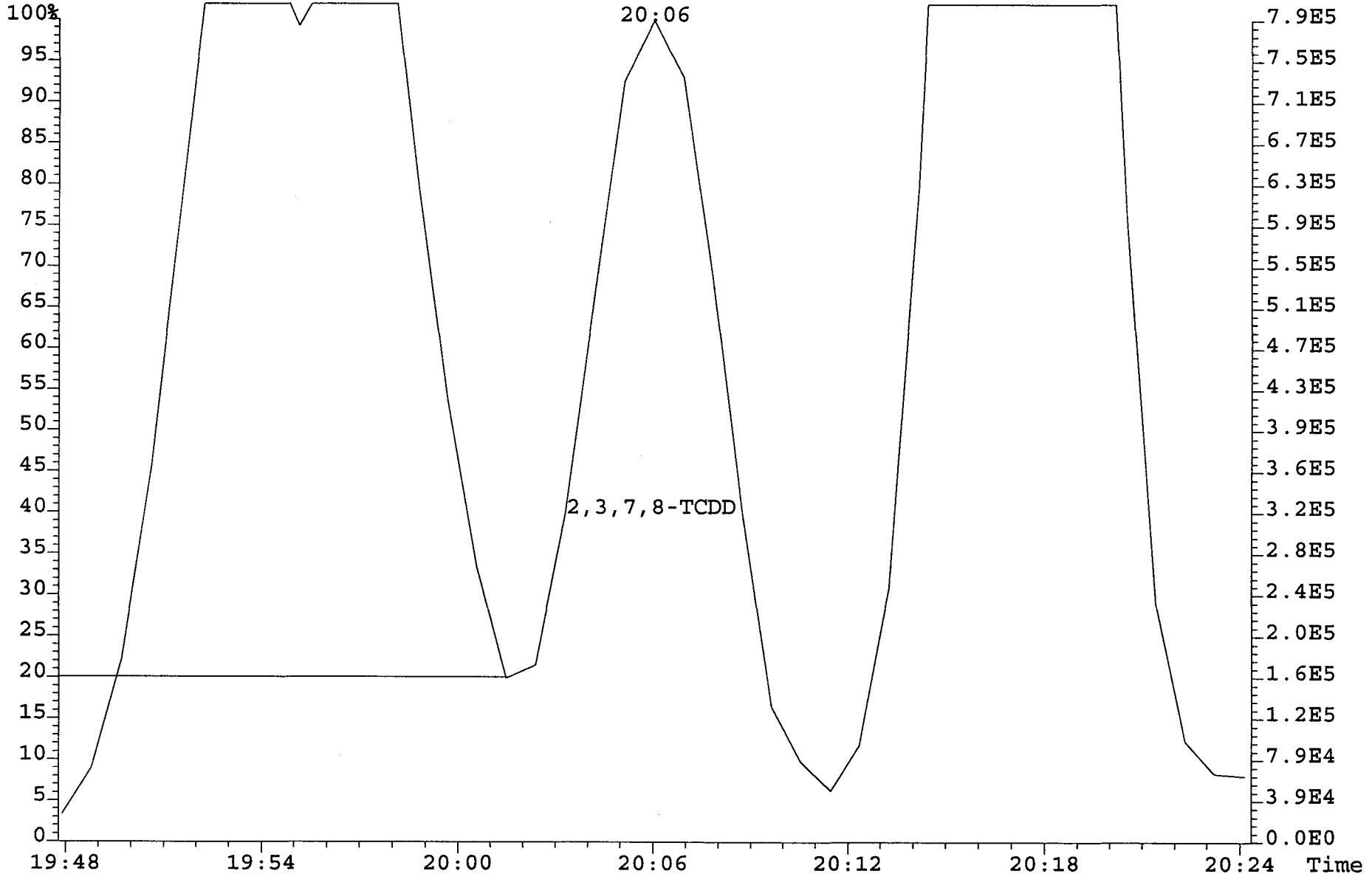








File:30AU104D5 #1-530 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
321.8936 S:31 Exp:DIOXINRES
Sample Text:CP0830B :DB-5 CPSM 3732-08



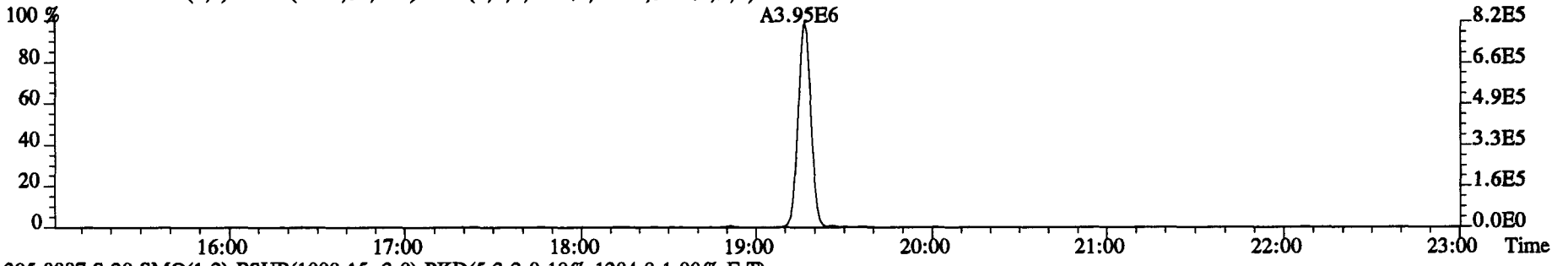
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

ST0721A :CS-1 10DXN342 ST0721B :CS-2 10DXN334 ST0721C :CS-3 10DXN336
ST0721D :CS-5 10DXN339 ST0721E :CS-4 10DXN337

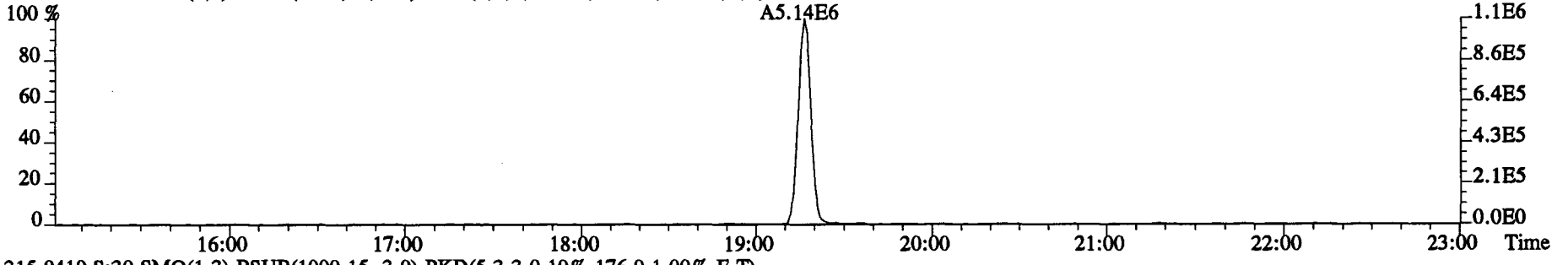
Name	Mean	S. D.	%RSD	21JL10A4D5 S4 RRF1	21JL10A4D5 S5 RRF2	21JL10A4D5 S6 RRF3	21JL10A4D5 S7 RRF4	21JL10A4D5 S8 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.229	0.154	12.5 %	1.30	1.31	1.39	1.03	1.11
2,3,7,8-TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
Total TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
13C-2,3,7,8-TCDD	0.905	0.029	3.25 %	0.92	0.92	0.94	0.88	0.87
2,3,7,8-TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
Total TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
37Cl-2,3,7,8-TCDD	1.326	0.015	1.12 %	1.33	1.31	1.32	1.35	1.32
13C-1,2,3,7,8-PeCDF	0.876	0.018	2.08 %	0.86	0.90	0.86	0.89	0.87
1,2,3,7,8-PeCDF	1.077	0.042	3.92 %	1.03	1.04	1.08	1.11	1.12
2,3,4,7,8-PeCDF	1.046	0.040	3.80 %	1.00	1.02	1.08	1.04	1.09
Total F2 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
Total F1 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
13C-1,2,3,7,8-PeCDD	0.661	0.010	1.45 %	0.65	0.66	0.67	0.67	0.65
1,2,3,7,8-PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
Total PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.045	0.067	6.44 %	1.03	1.15	0.98	1.00	1.07
1,2,3,4,7,8-HxCDF	1.217	0.012	1.02 %	1.21	1.20	1.22	1.22	1.23
1,2,3,6,7,8-HxCDF	1.282	0.089	6.95 %	1.19	1.22	1.41	1.33	1.26
2,3,4,6,7,8-HxCDF	1.233	0.080	6.49 %	1.19	1.15	1.35	1.27	1.21
1,2,3,7,8,9-HxCDF	1.098	0.096	8.73 %	1.08	0.99	1.25	1.10	1.06
Total HxCDF	1.208	0.066	5.43 %	1.17	1.14	1.31	1.23	1.19
13C-1,2,3,6,7,8-HxCDD	0.831	0.055	6.68 %	0.84	0.83	0.92	0.77	0.79
1,2,3,4,7,8-HxCDD	1.037	0.122	11.8 %	0.90	0.99	0.97	1.17	1.16

1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23		
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24		
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21		
13C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86		
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	1.35	1.38		
1,2,3,4,7,8,9-HpCDF	1.093	0.049	4.49 %	1.01	1.09	1.11	1.13	1.13		
Total HpCDF	1.220	0.037	3.05 %	1.16	1.21	1.23	1.24	1.26		
13C-1,2,3,4,6,7,8-HpCDD	0.827	0.049	5.98 %	0.89	0.85	0.83	0.76	0.79		
1,2,3,4,6,7,8-HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10		
Total HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10		
13C-OCDD	0.620	0.029	4.60 %	0.66	0.63	0.63	0.60	0.59		
OCDF	1.370	0.027	1.98 %	1.36	1.35	1.35	1.39	1.41		
OCDD	1.199	0.066	5.48 %	1.31	1.17	1.16	1.17	1.19		

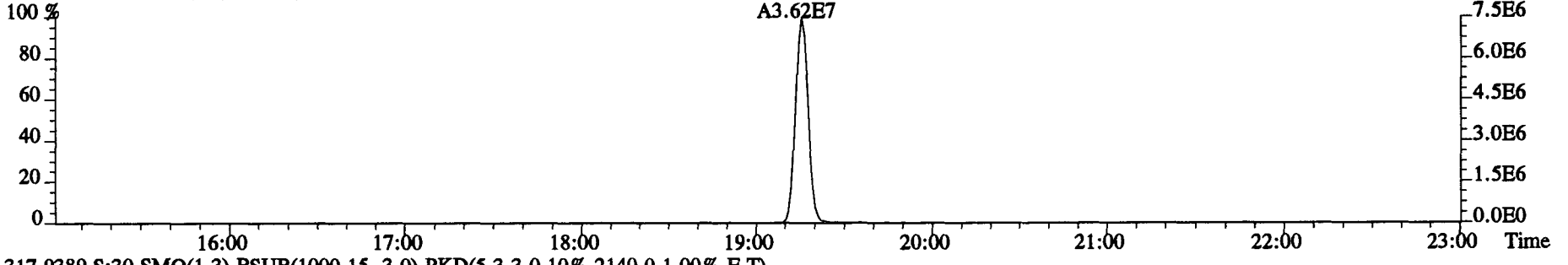
File:30AU104D5 #1-530 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES
303.9016 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)



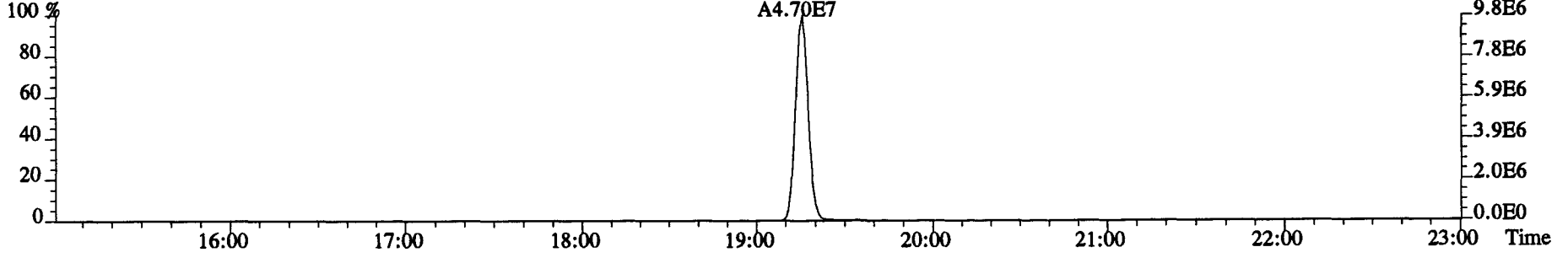
305.8987 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1284.0,1.00%,F,T)



315.9419 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)

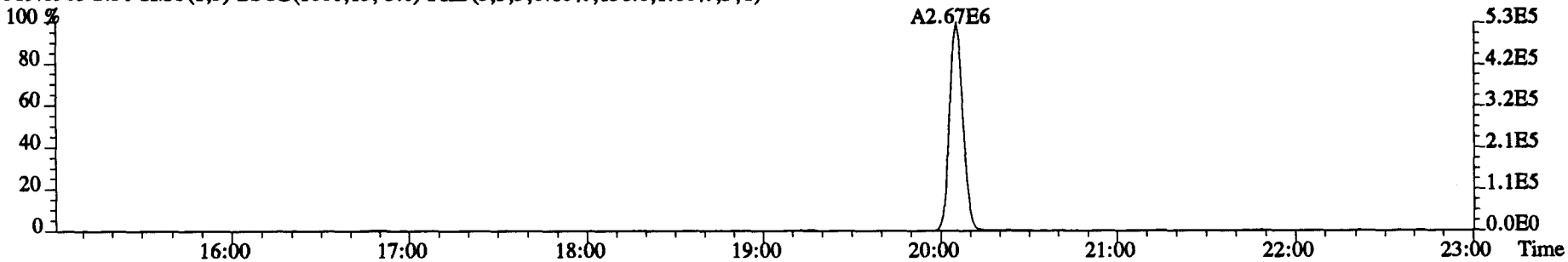


317.9389 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2140.0,1.00%,F,T)

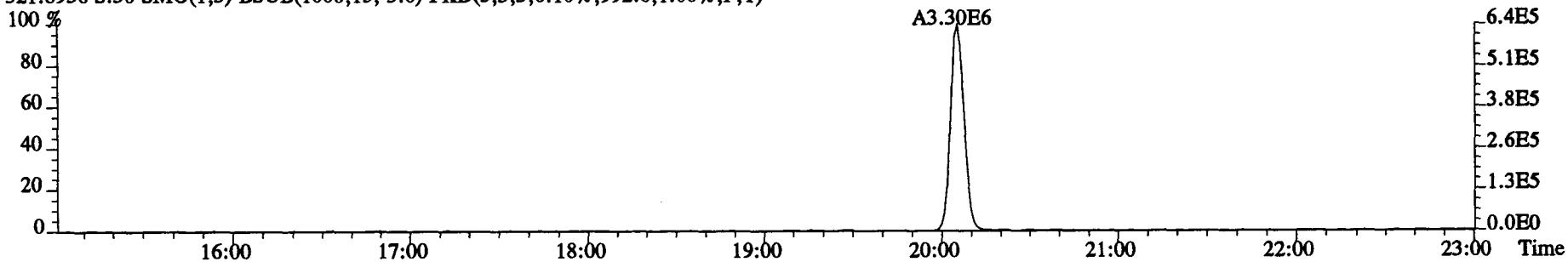


File:30AU104D5 #1-530 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

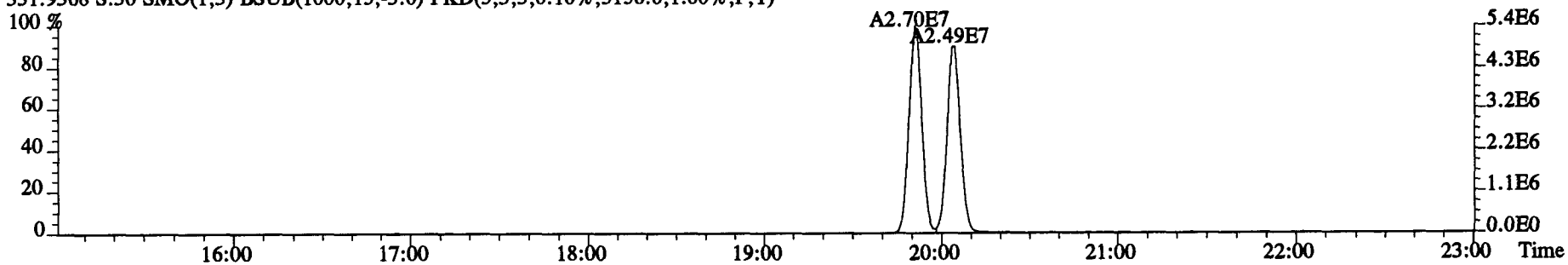
319.8965 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



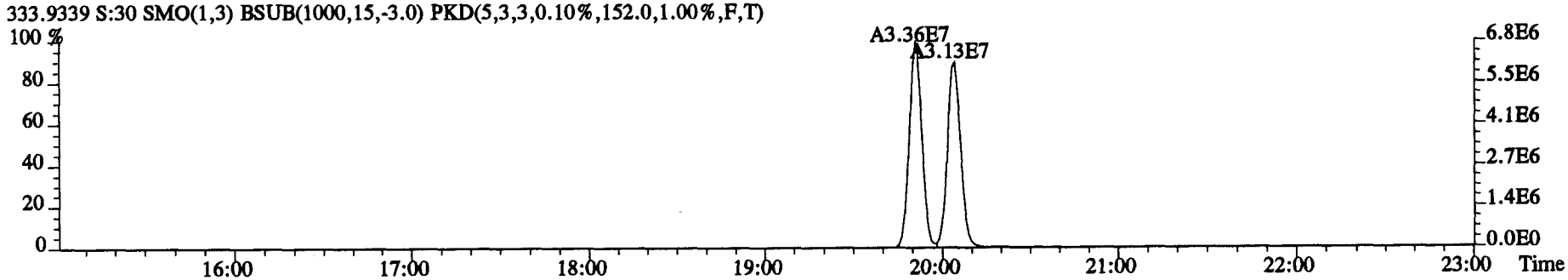
321.8936 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,992.0,1.00%,F,T)



331.9368 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5156.0,1.00%,F,T)

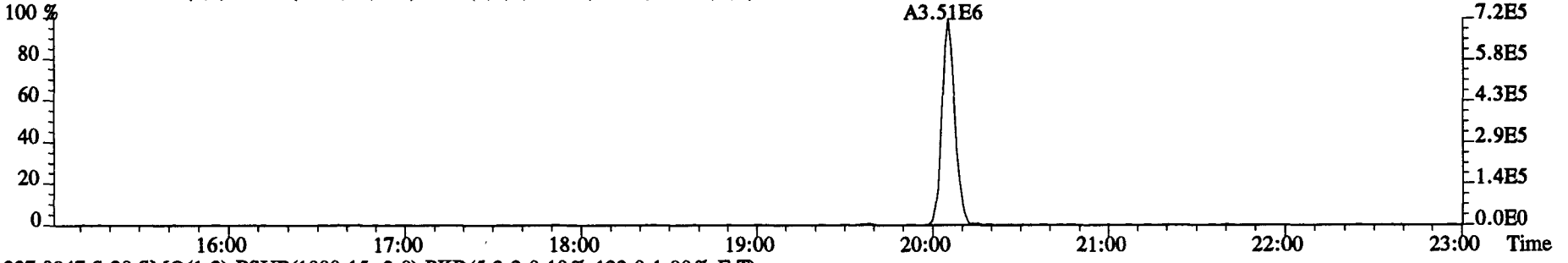


333.9339 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152.0,1.00%,F,T)

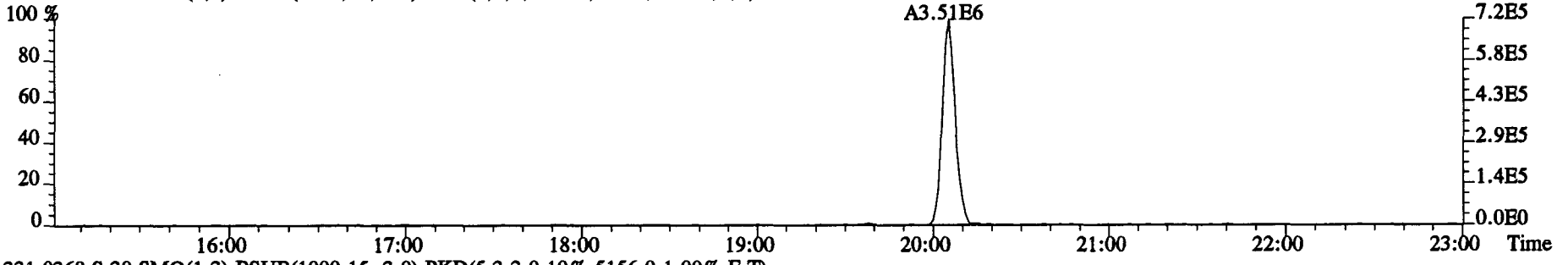


File:30AU104D5 #1-530 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

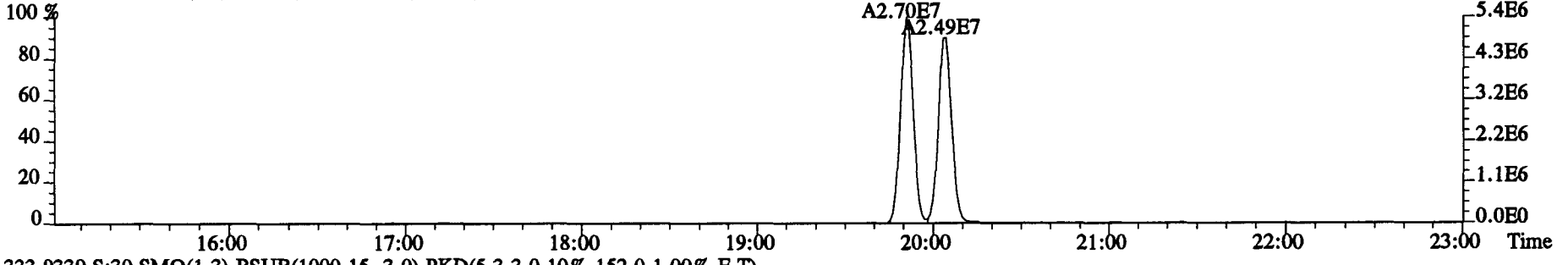
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



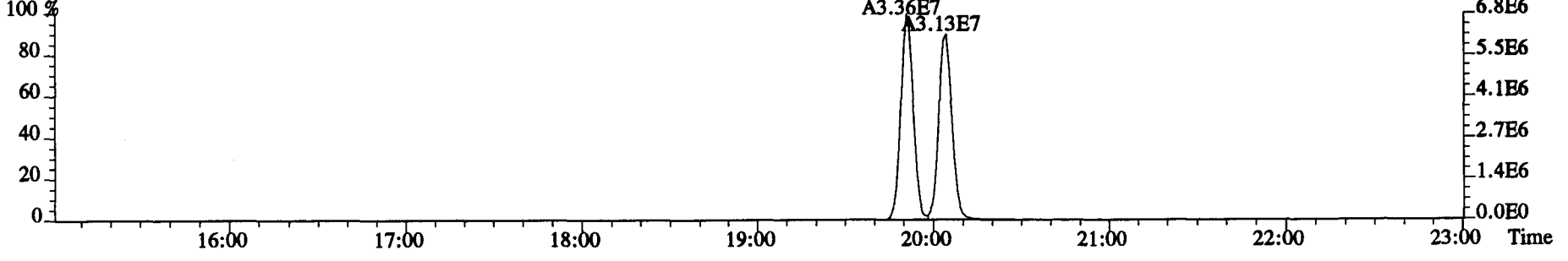
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



331.9368 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5156.0,1.00%,F,T)

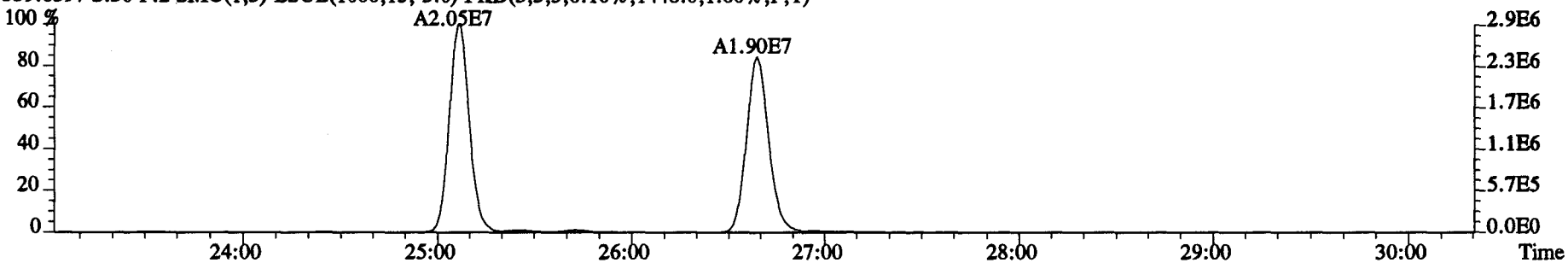


333.9339 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152.0,1.00%,F,T)

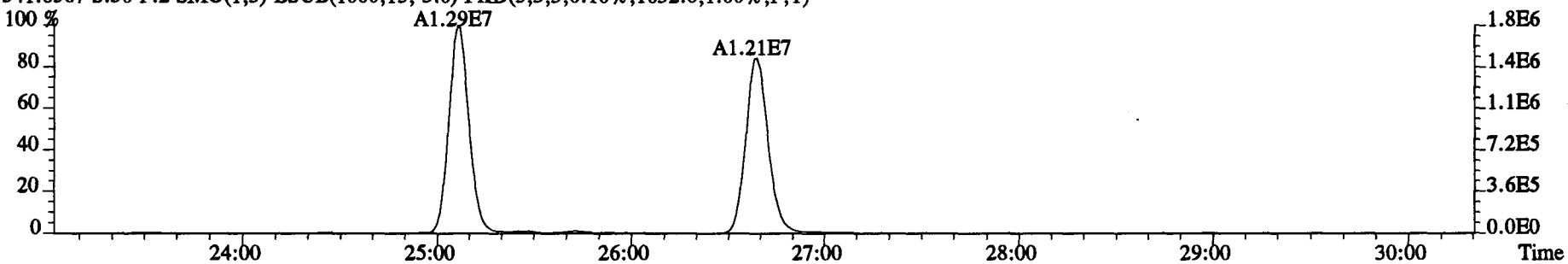


File:30AU104D5 #1-470 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

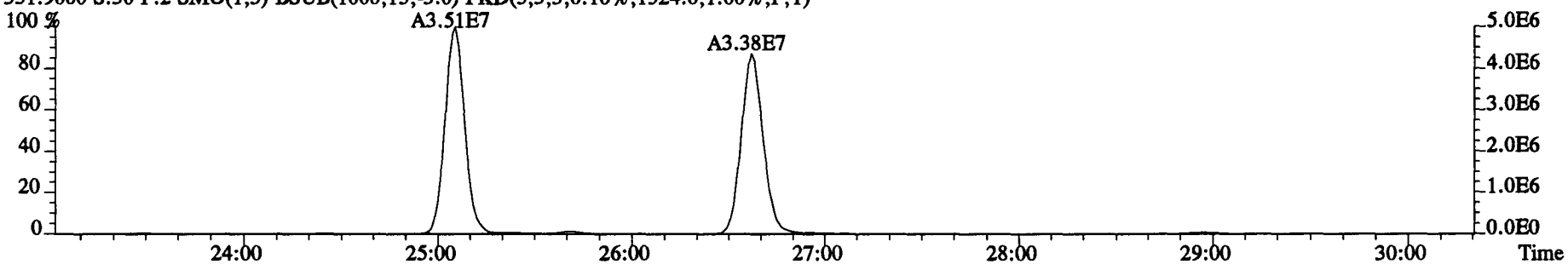
339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448.0,1.00%,F,T)



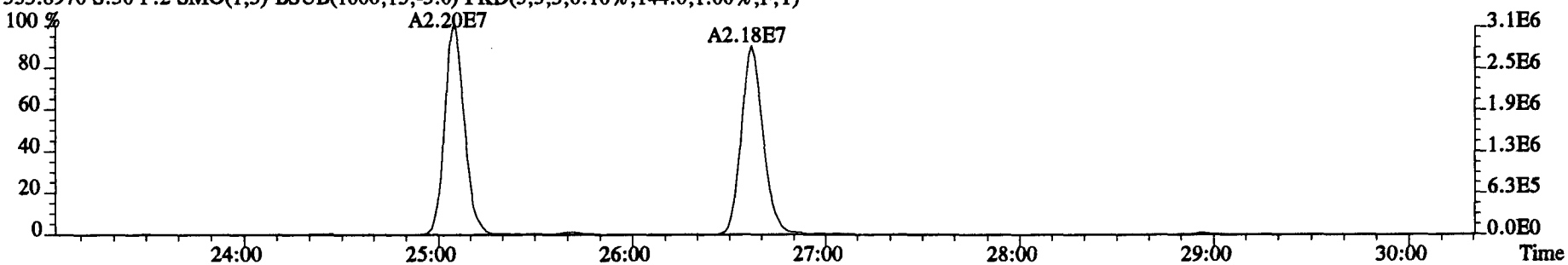
341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1632.0,1.00%,F,T)



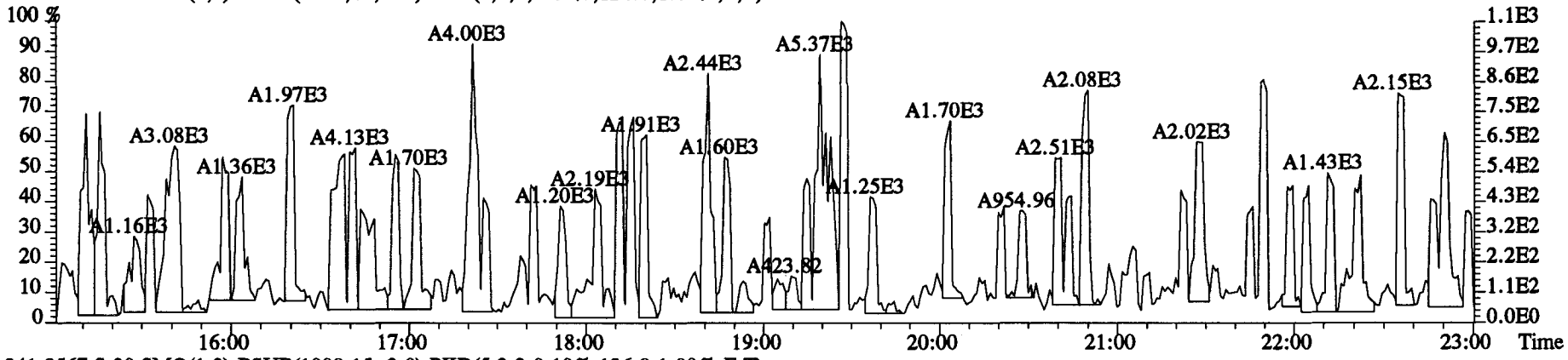
351.9000 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1524.0,1.00%,F,T)



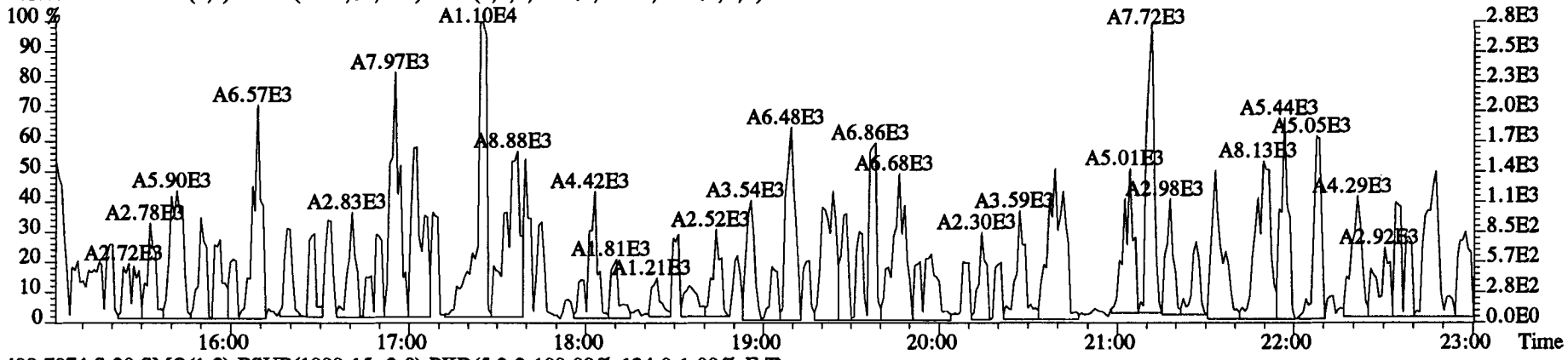
353.8970 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



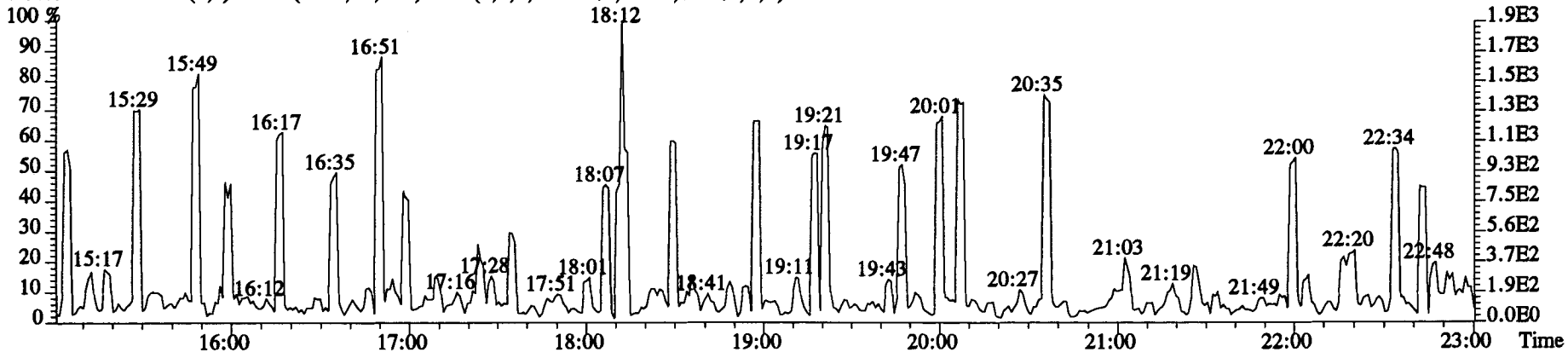
File:30AU104D5 #1-530 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)



341.8567 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)

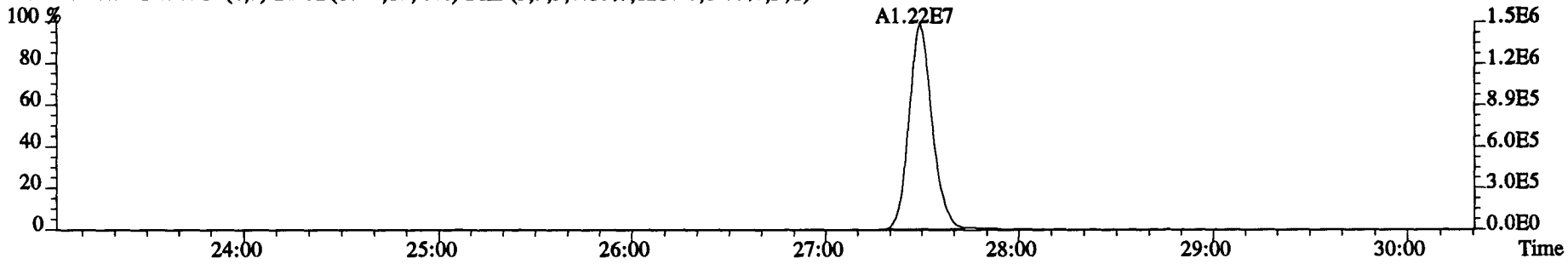


409.7974 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,124.0,1.00%,F,T)

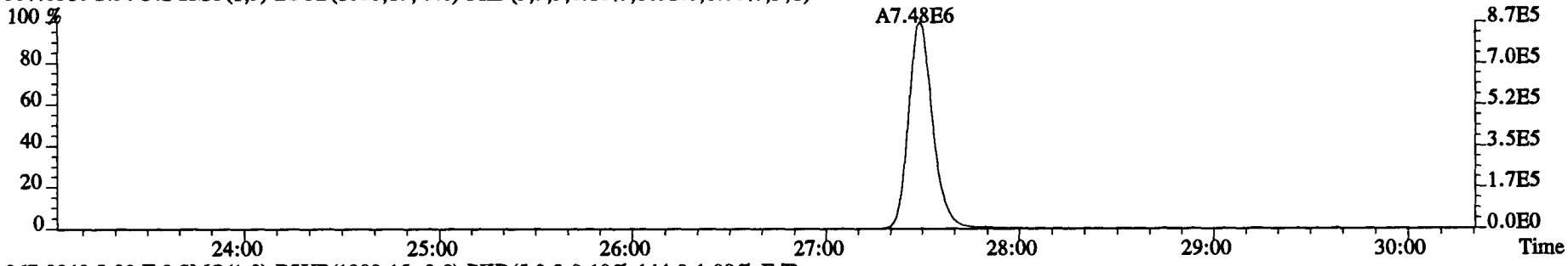


File:30AU104D5 #1-470 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

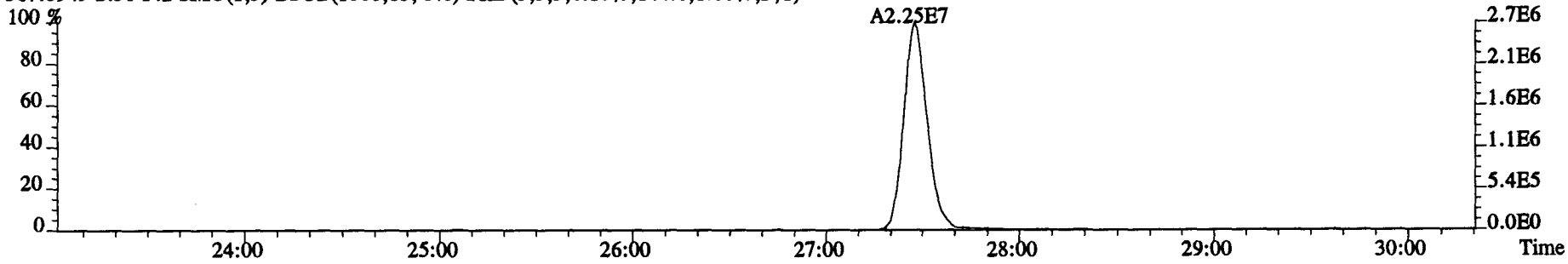
355.8546 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1216.0,1.00%,F,T)



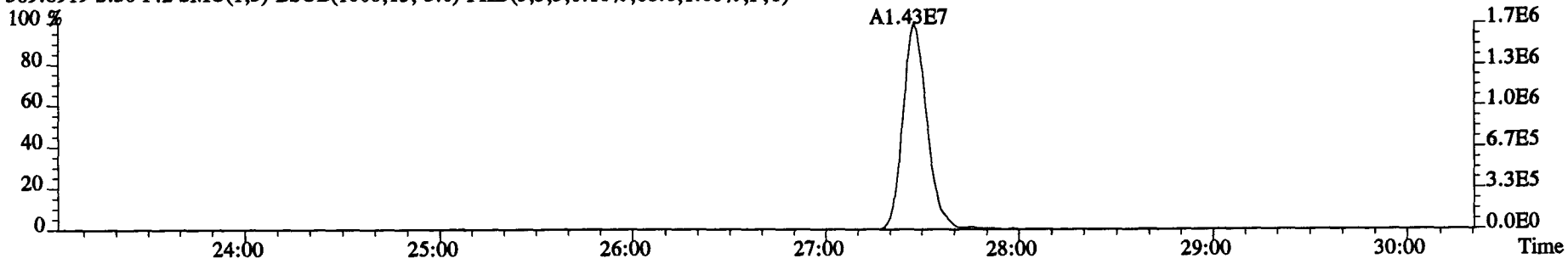
357.8516 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1032.0,1.00%,F,T)



367.8949 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)

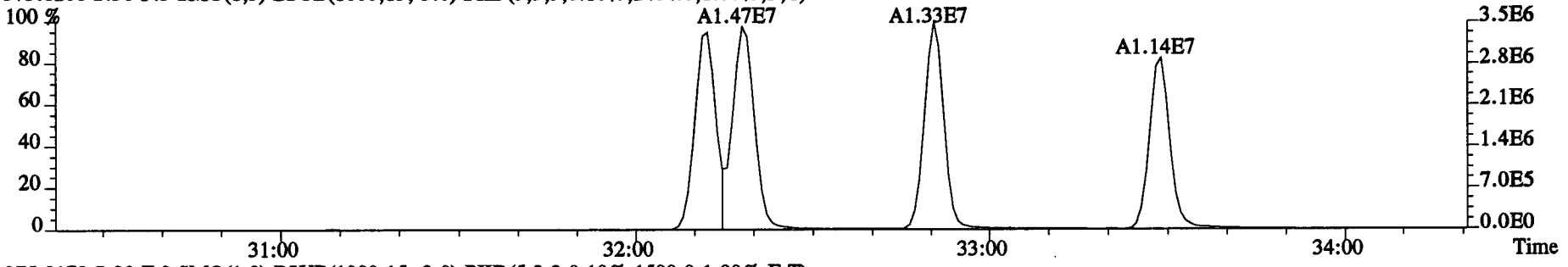


369.8919 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)

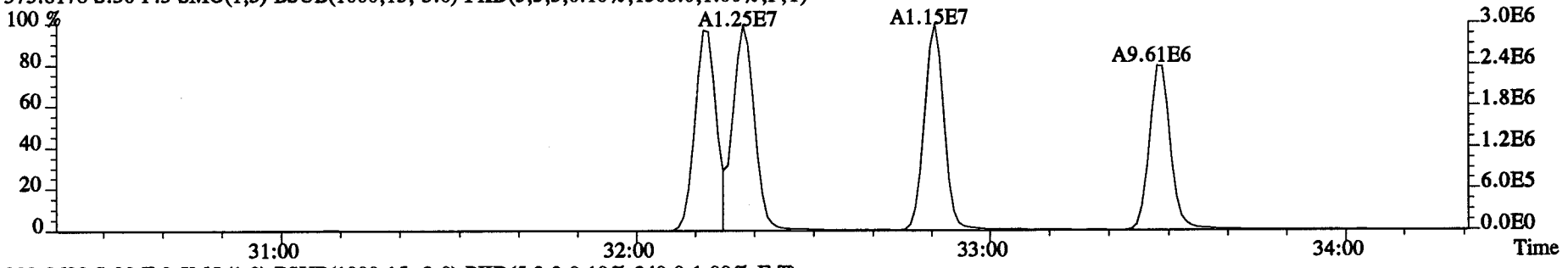


File:30AU104D5 #1-287 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

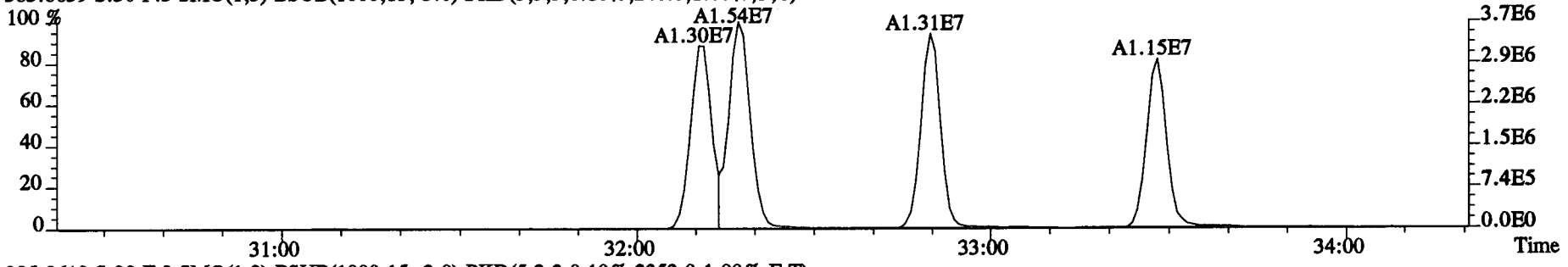
373.8208 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



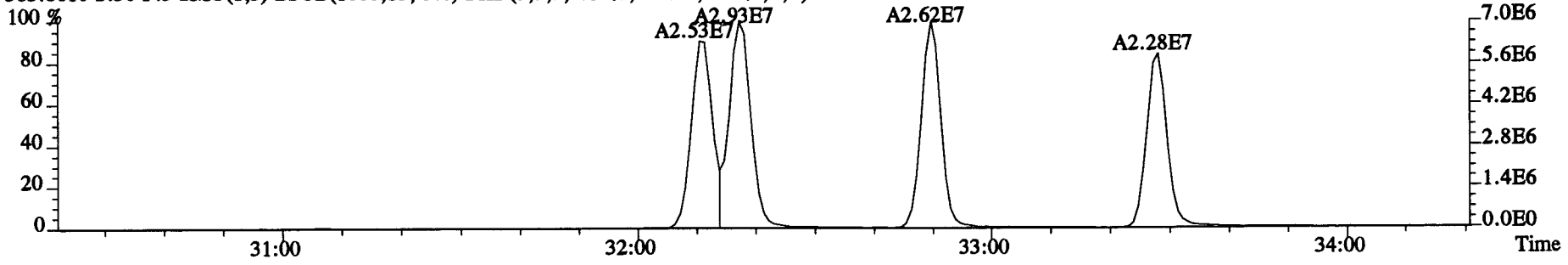
375.8178 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)



383.8639 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,240.0,1.00%,F,T)

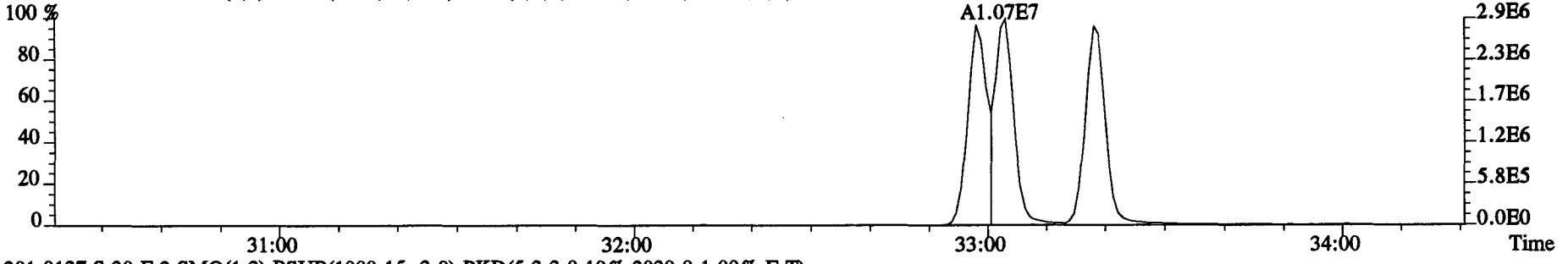


385.8610 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3352.0,1.00%,F,T)

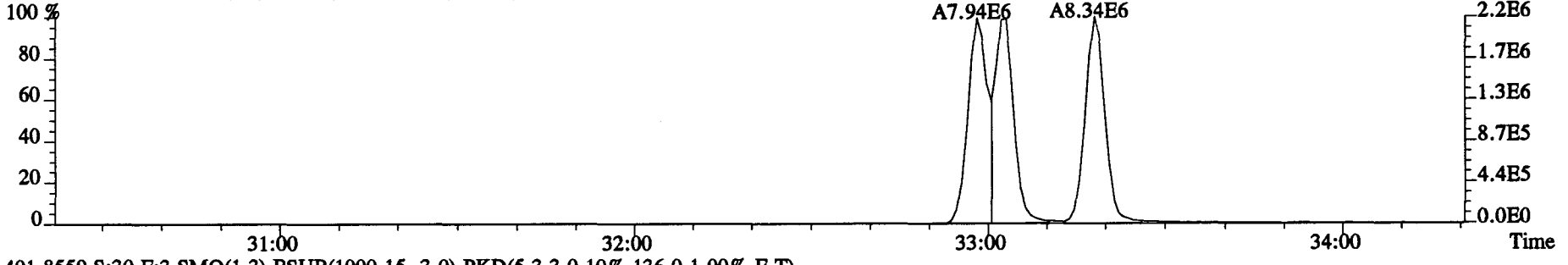


File:30AU104D5 #1-287 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

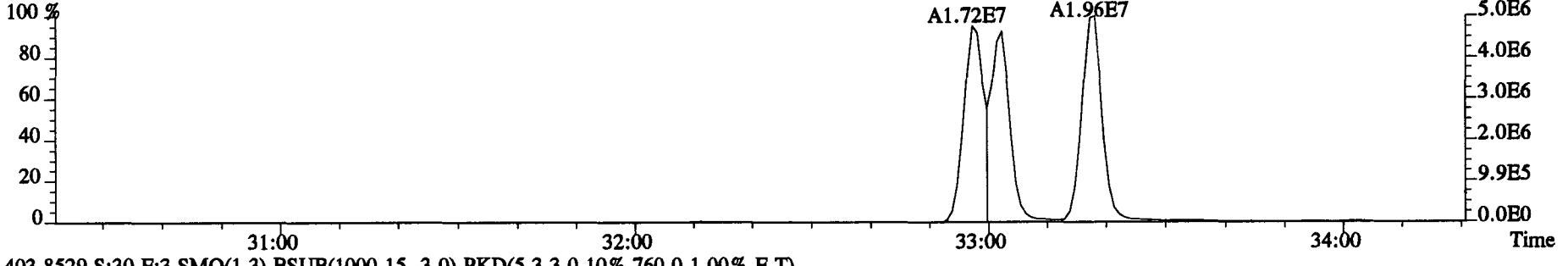
389.8157 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,684.0,1.00%,F,T)



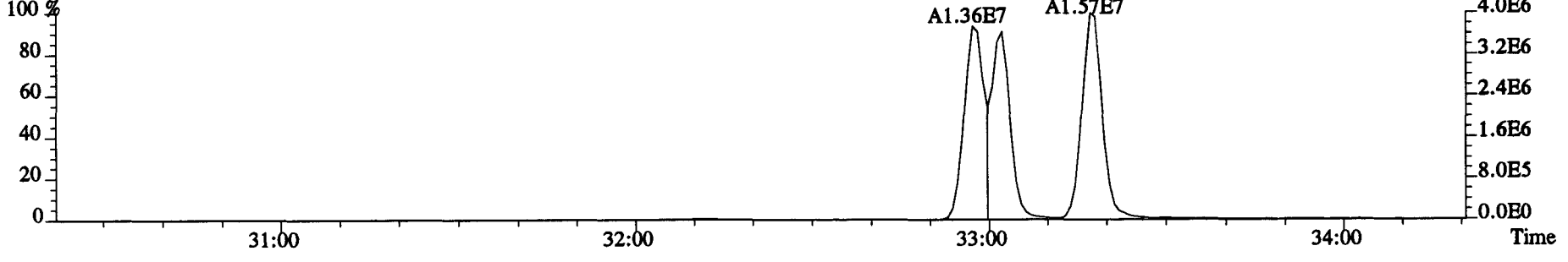
391.8127 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2020.0,1.00%,F,T)



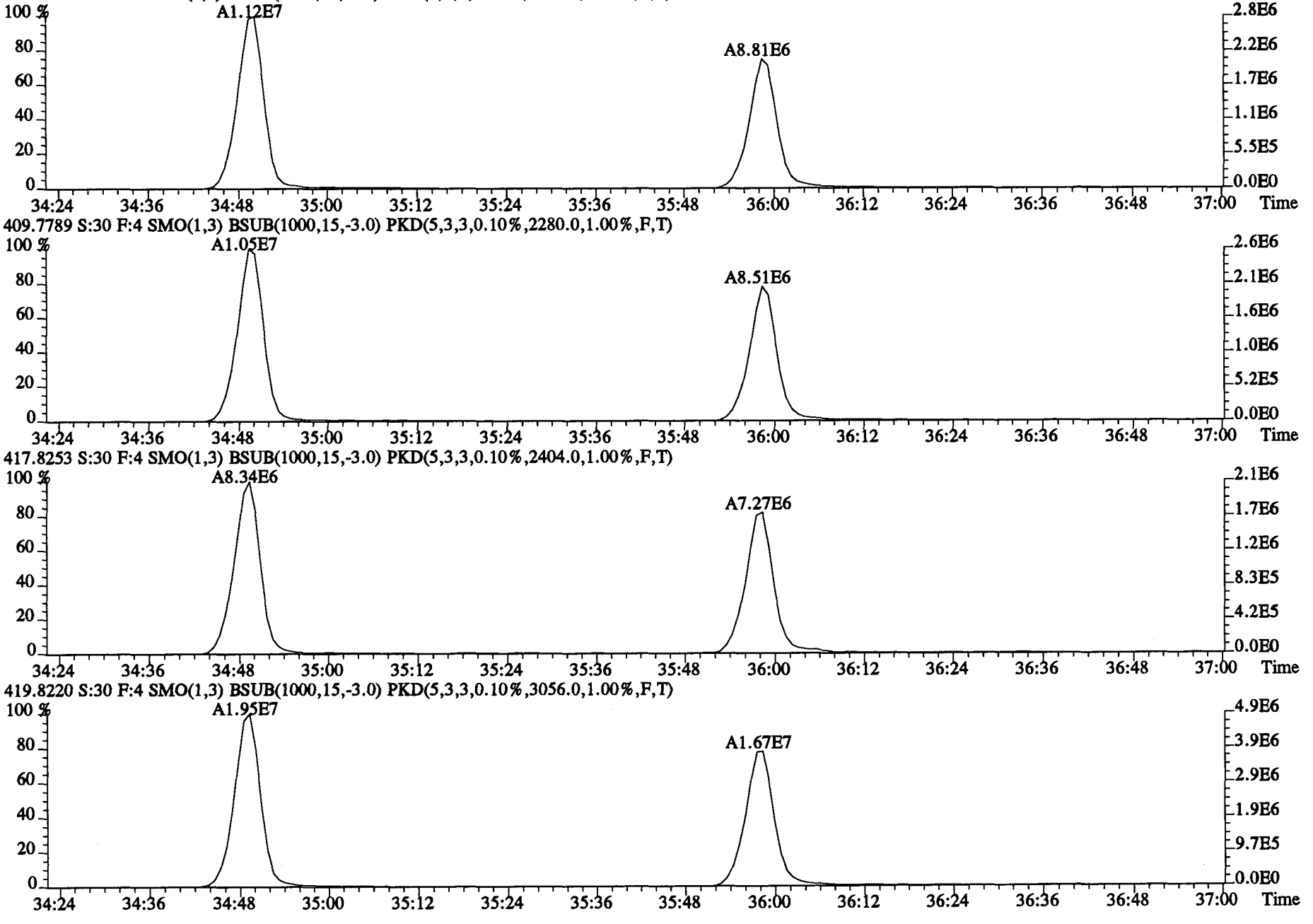
401.8559 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



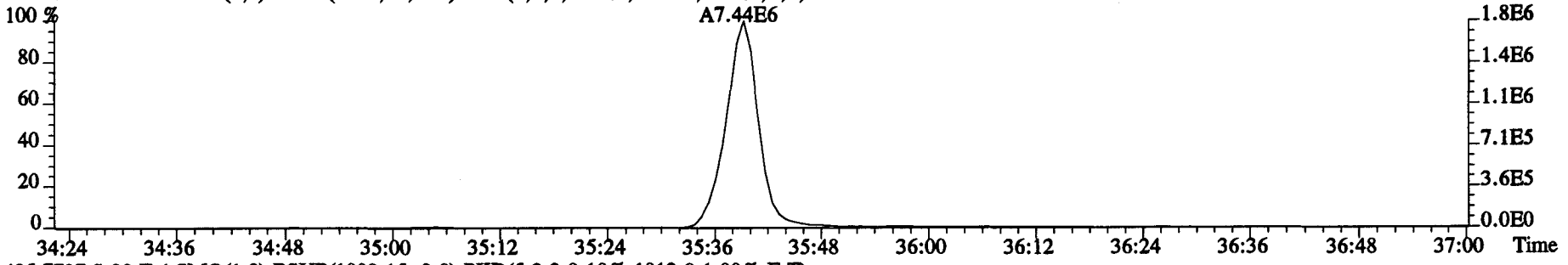
403.8529 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,760.0,1.00%,F,T)



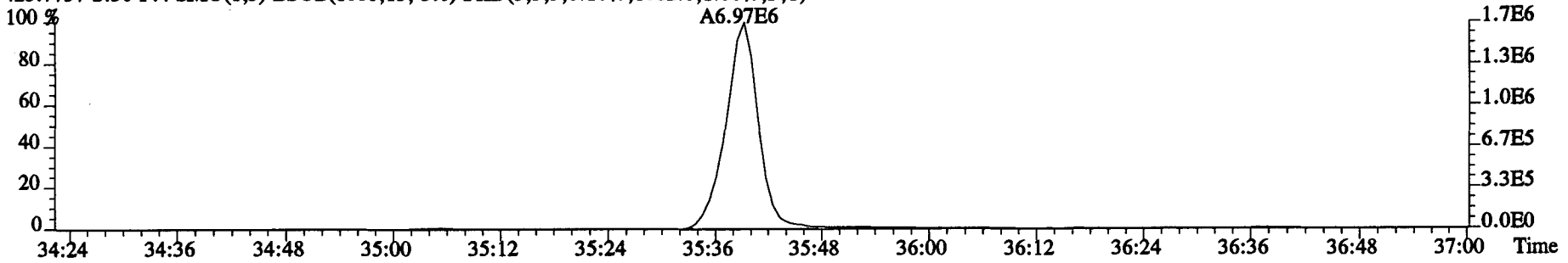
File:30AU104D5 #1-200 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES



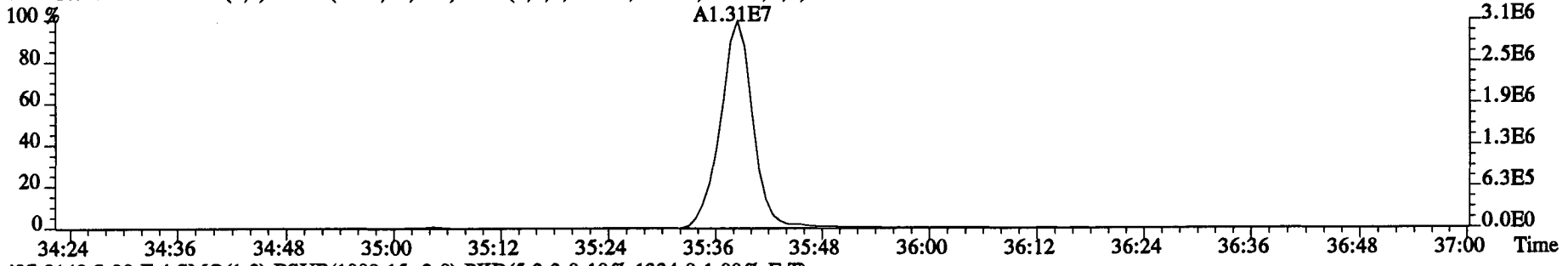
File:30AU104D5 #1-200 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES
423.7766 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1188.0,1.00%,F,T)



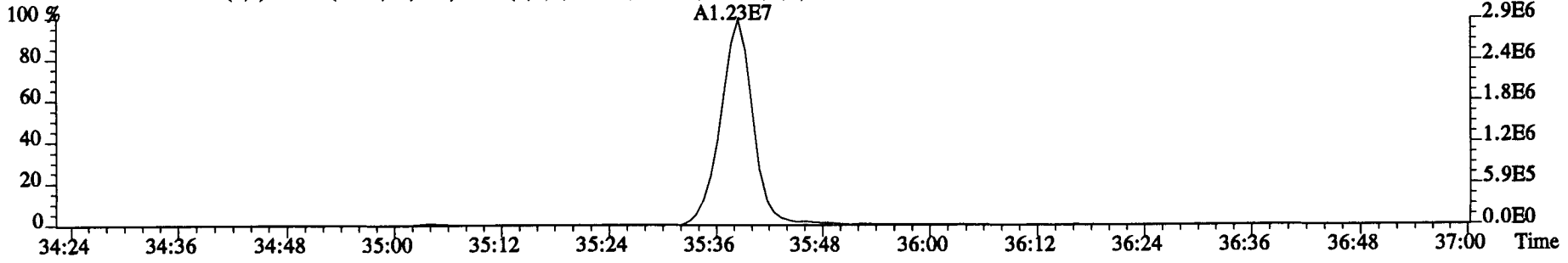
425.7737 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1012.0,1.00%,F,T)



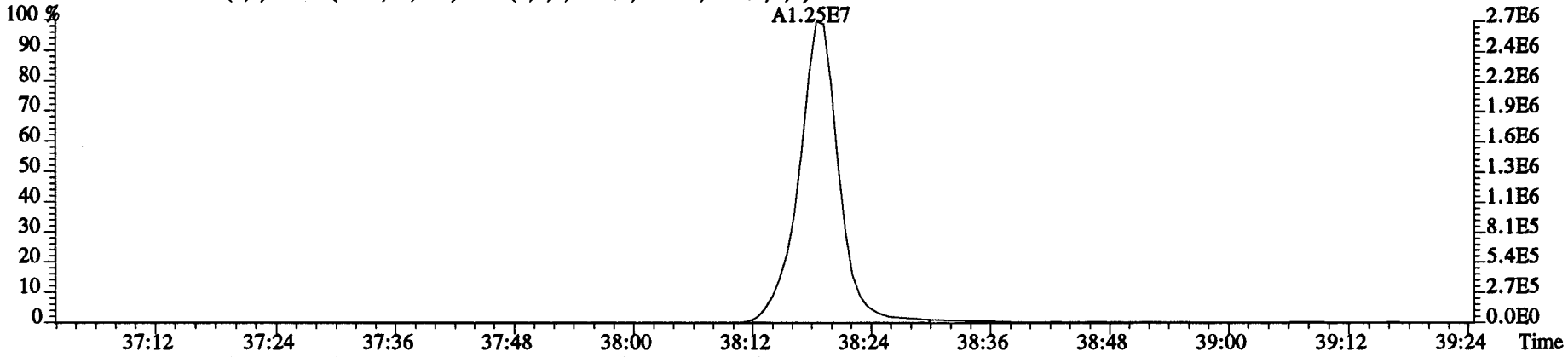
435.8169 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1988.0,1.00%,F,T)



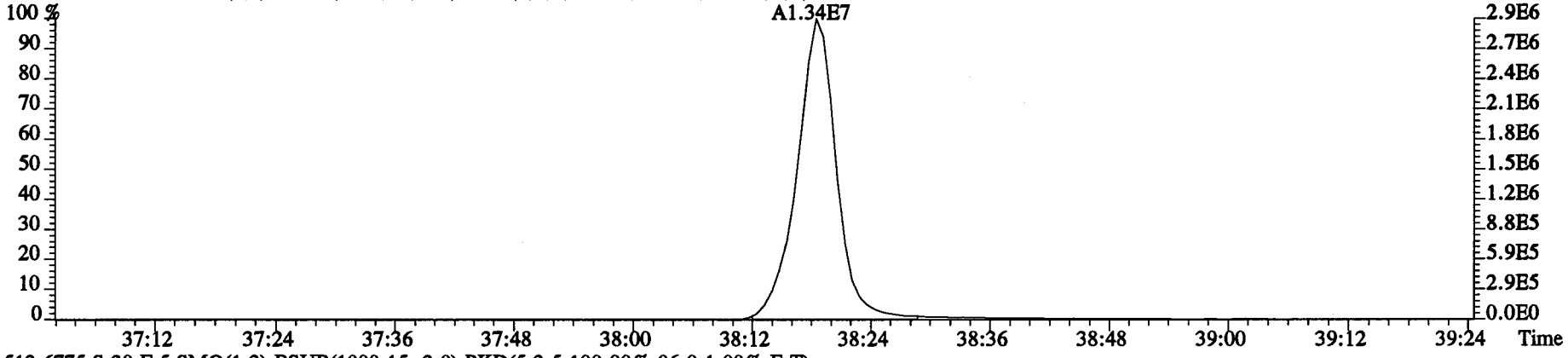
437.8140 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



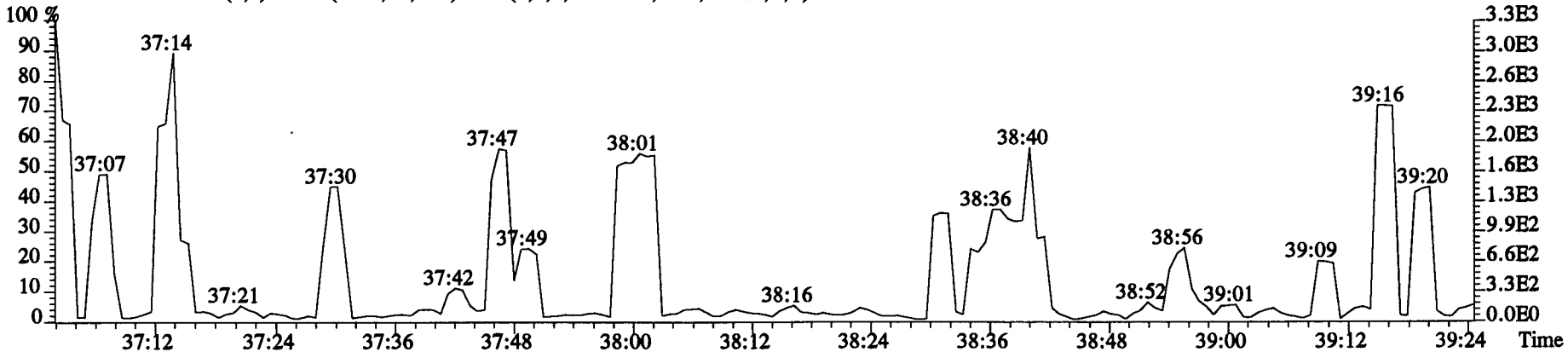
File:30AU104D5 #1-193 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1368.0,1.00%,F,T)



443.7399 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1468.0,1.00%,F,T)

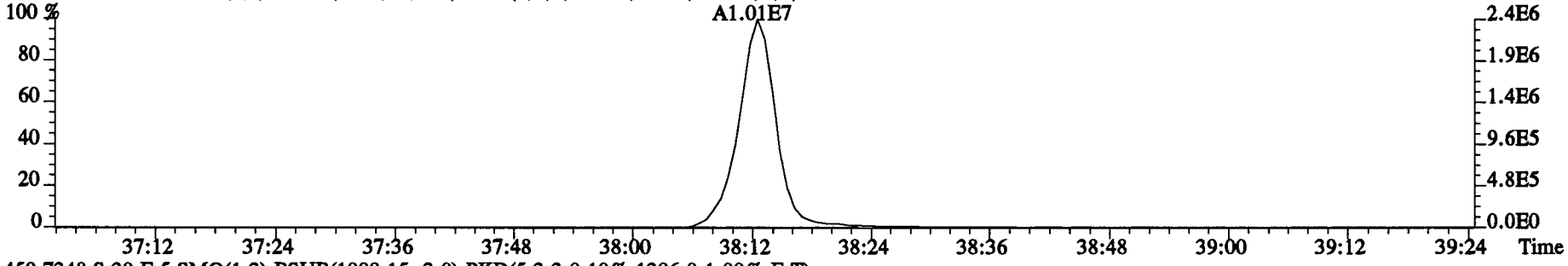


513.6775 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,96.0,1.00%,F,T)

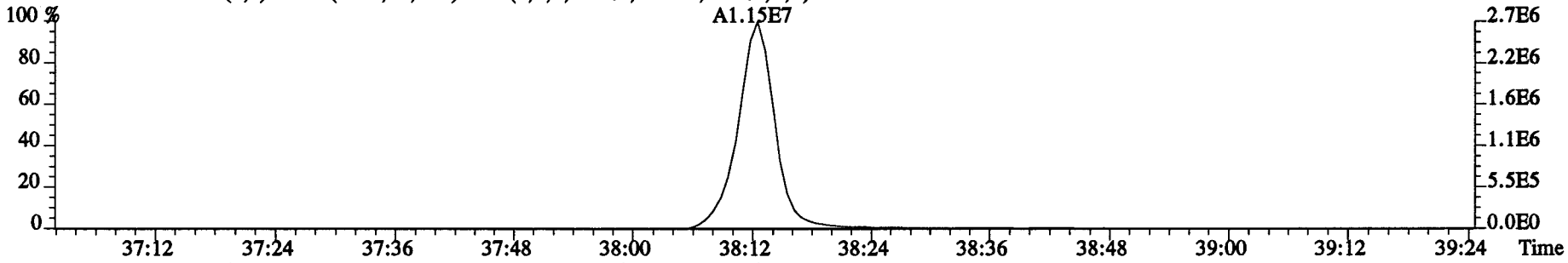


File:30AU104D5 #1-193 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

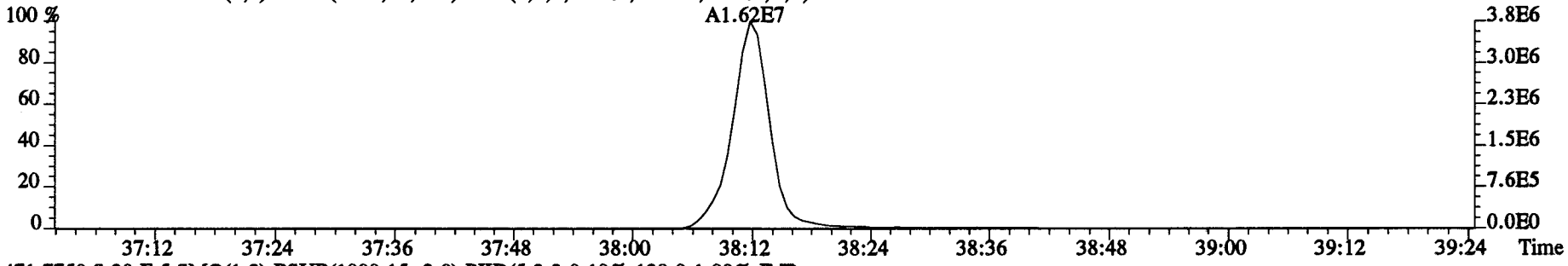
457.7377 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,996.0,1.00%,F,T)



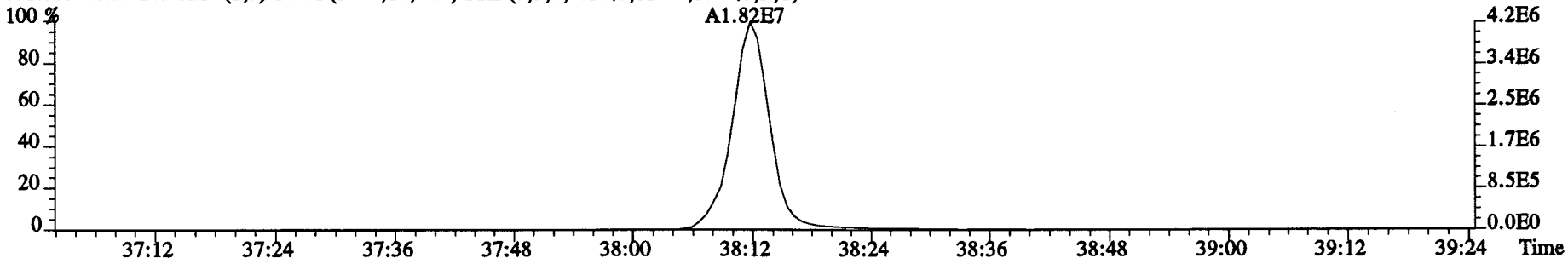
459.7348 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



469.7779 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2648.0,1.00%,F,T)

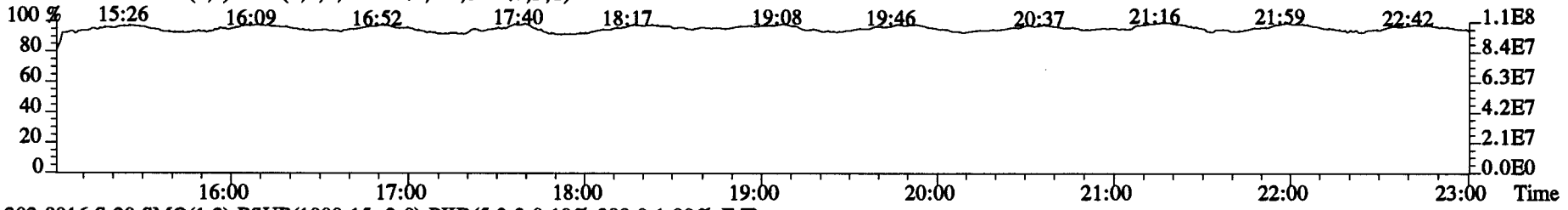


471.7750 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)

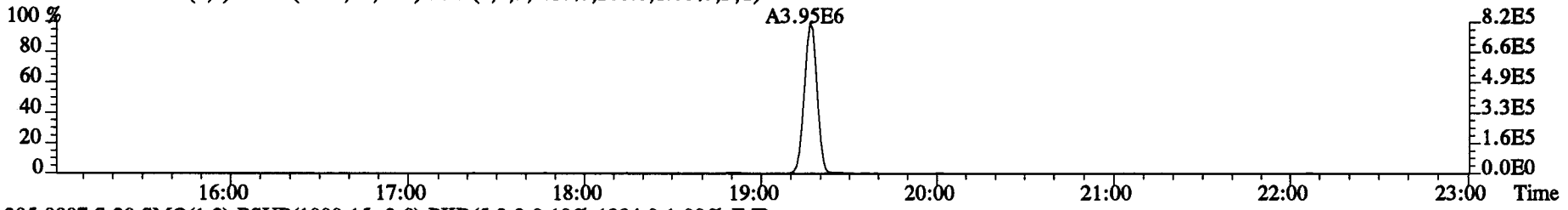


File:30AU104D5 #1-530 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES

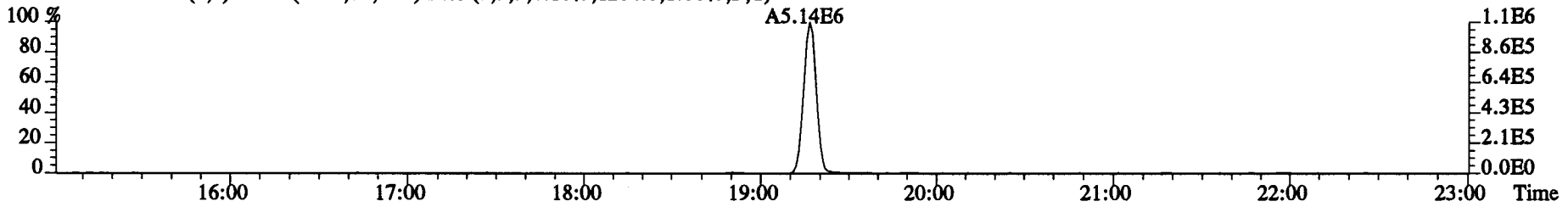
292.9825 S:30 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



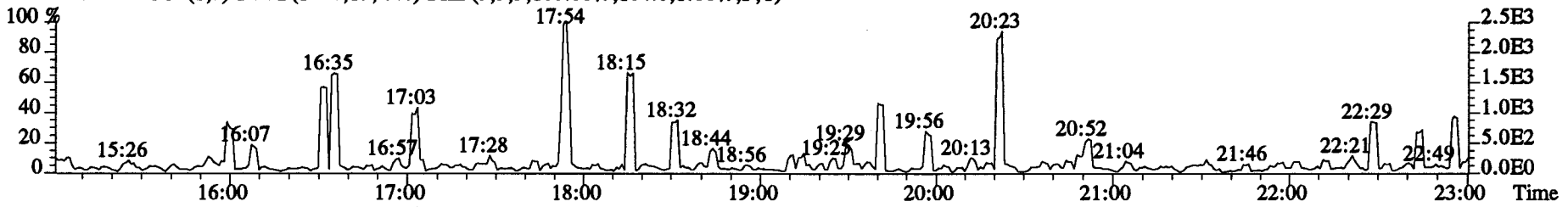
303.9016 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)



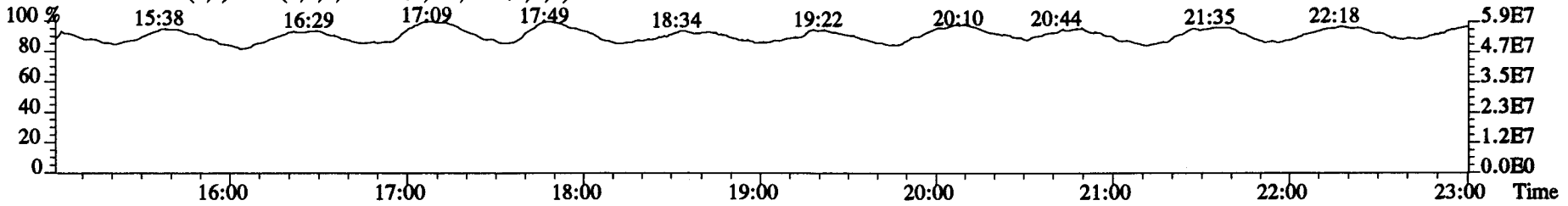
305.8987 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1284.0,1.00%,F,T)



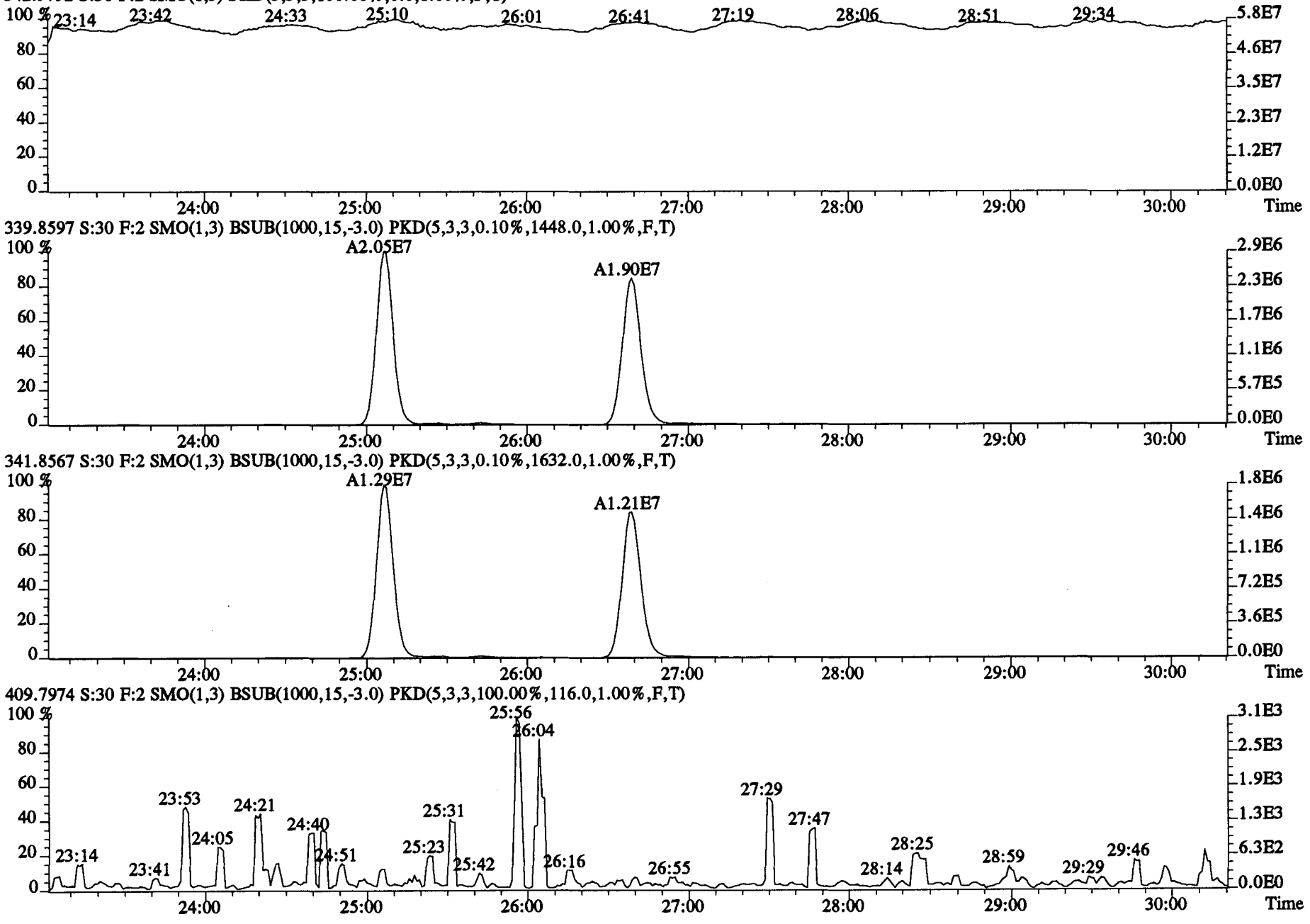
375.8364 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,104.0,1.00%,F,T)



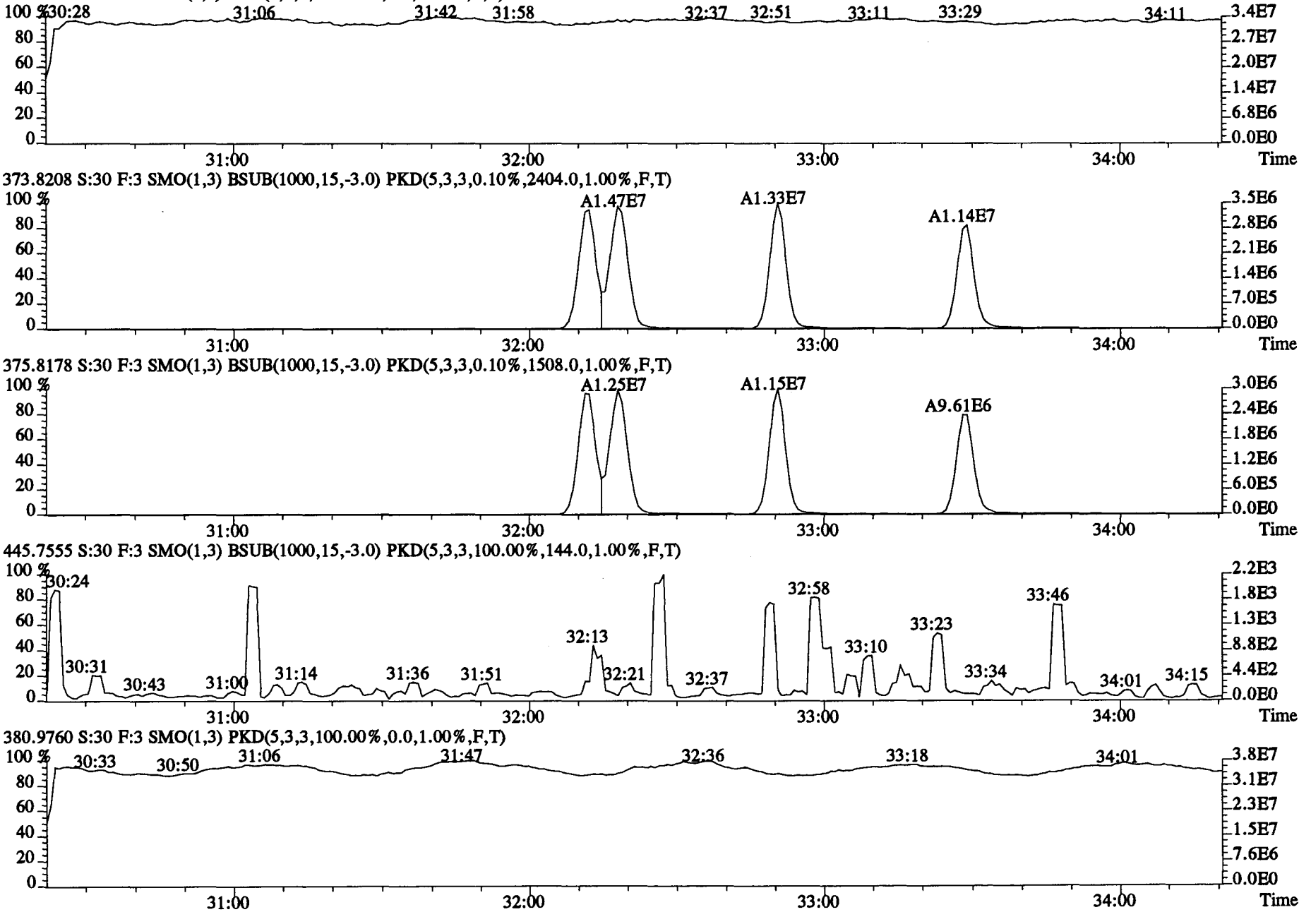
330.9792 S:30 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



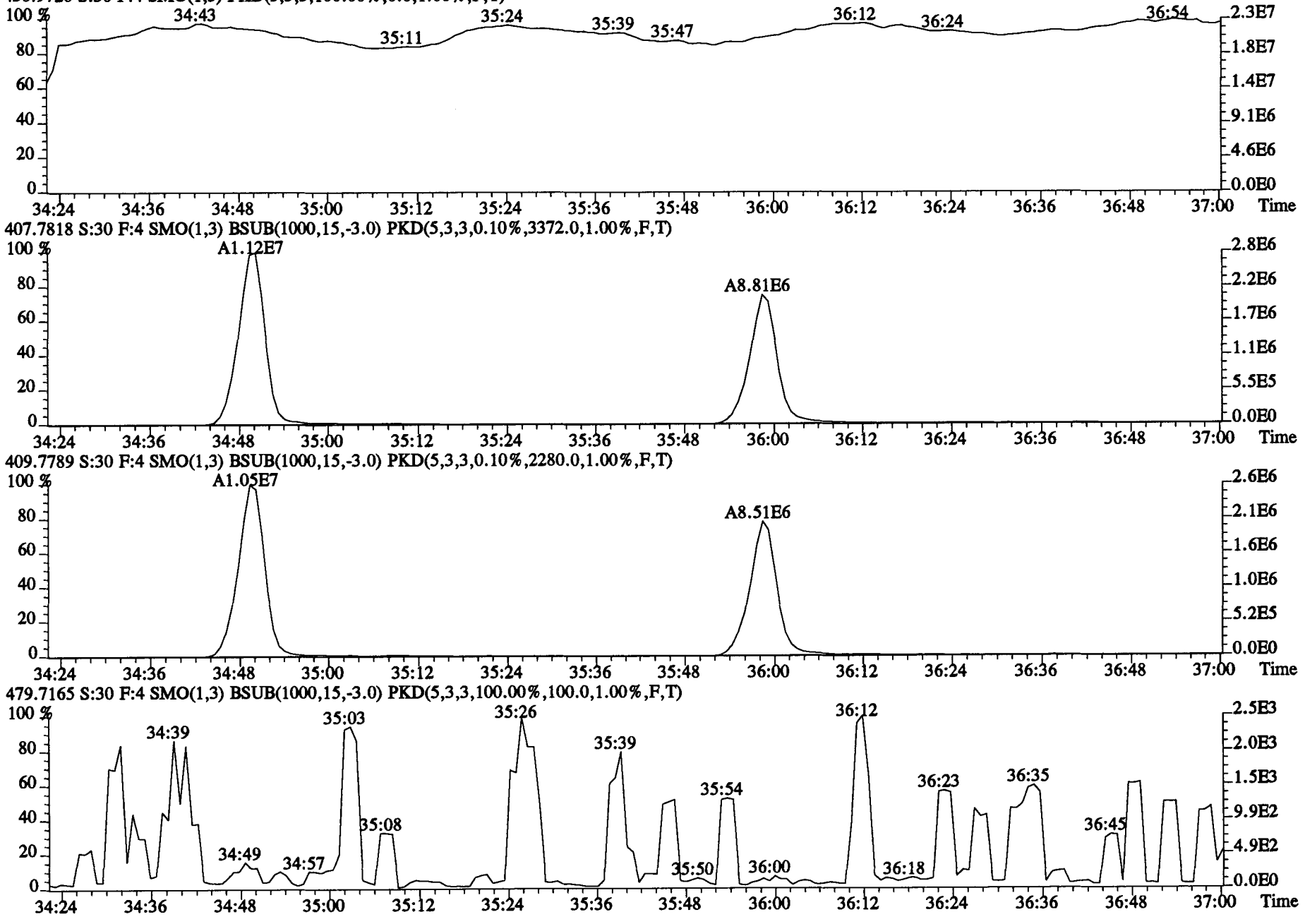
File:30AU104D5 #1-470 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES



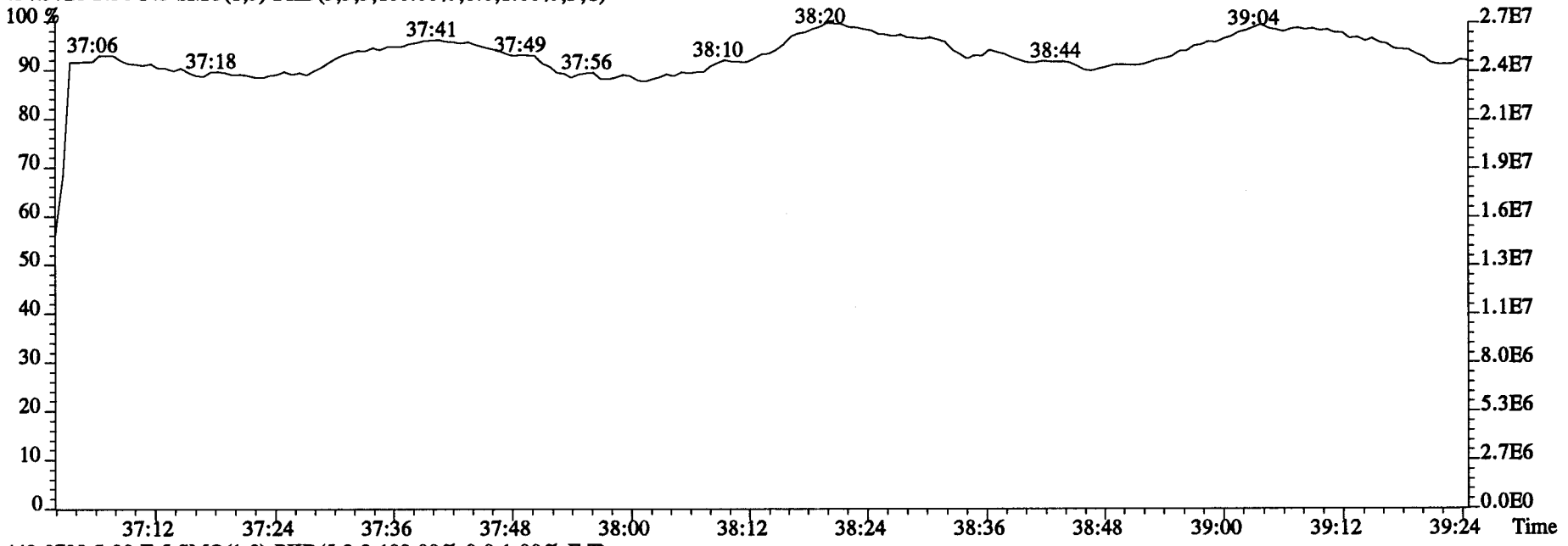
File:30AU104D5 #1-287 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES



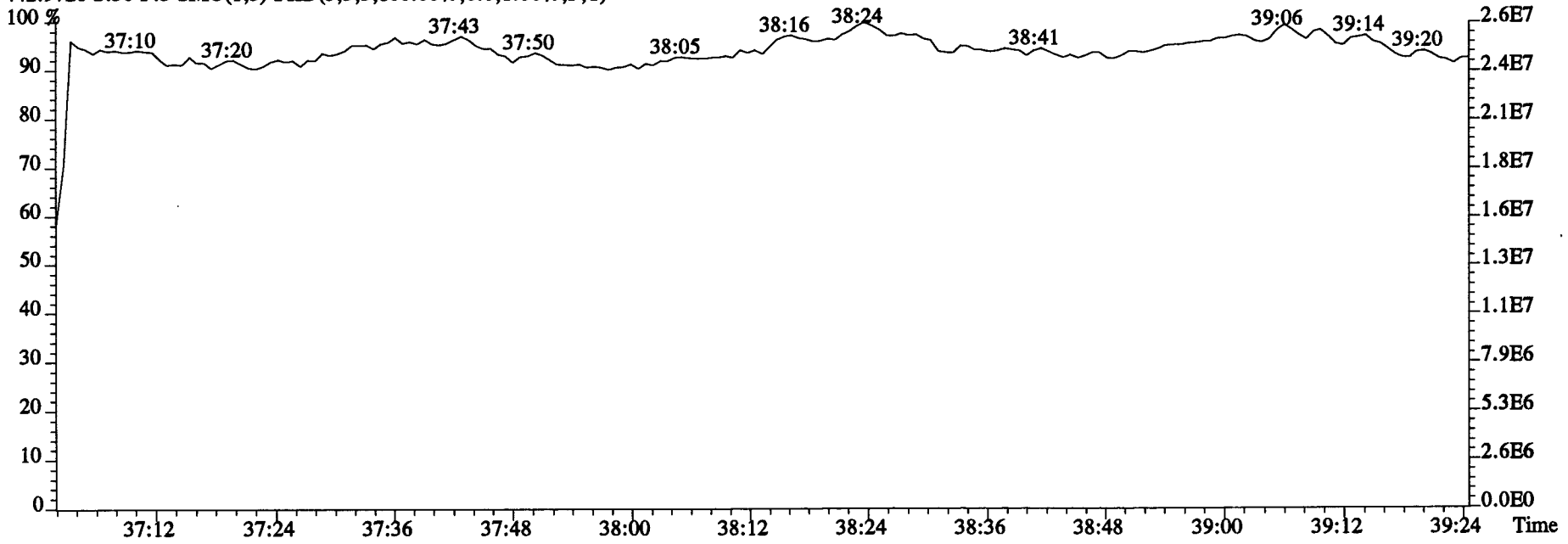
File:30AU104D5 #1-200 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES



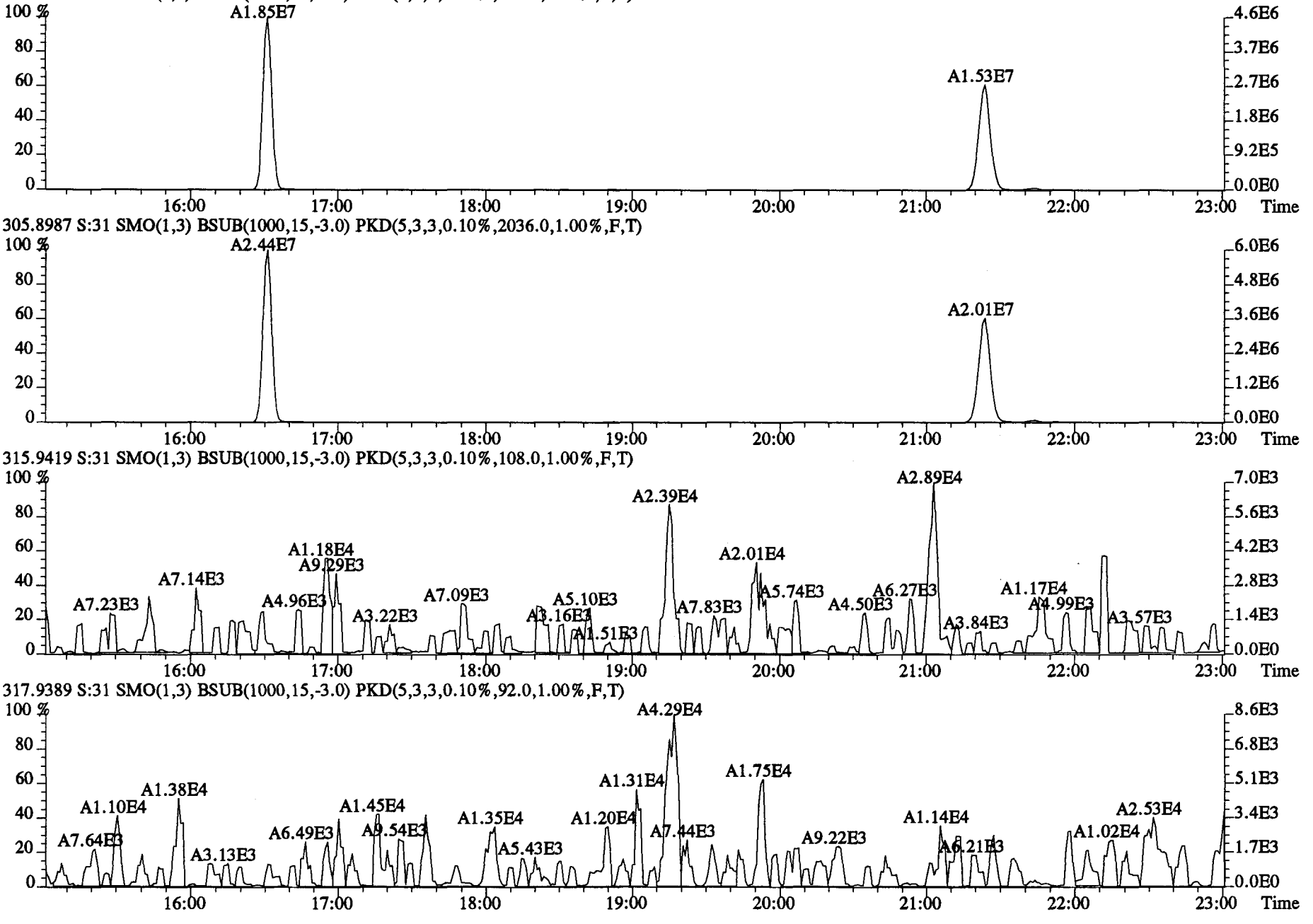
File:30AU104D5 #1-193 Acq:31-AUG-2010 07:16:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0830B :CS3 10DXN417 Exp:DIOXINRES
454.9728 S:30 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



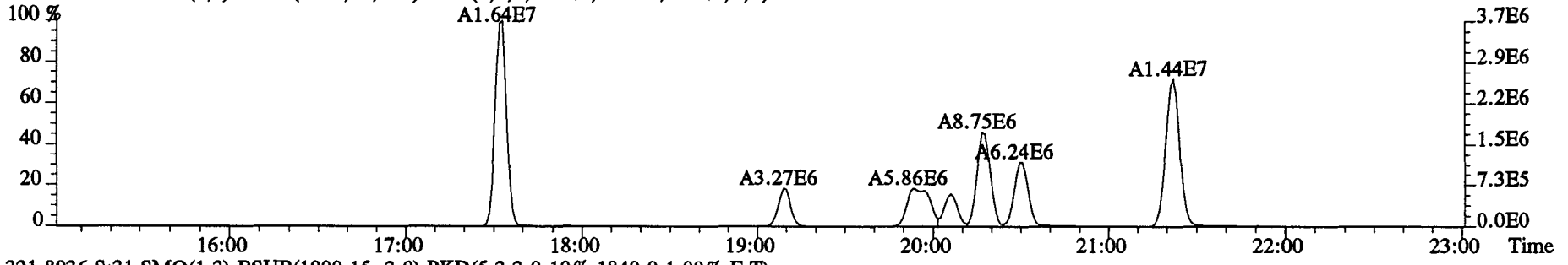
442.9728 S:30 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

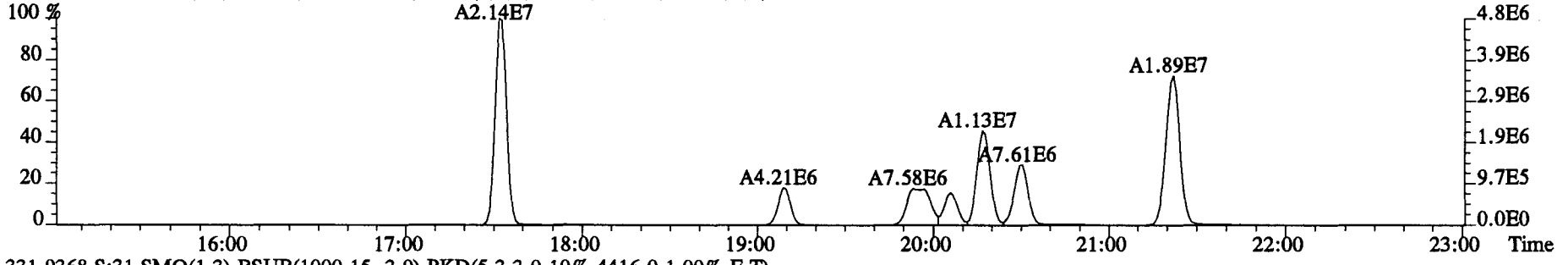


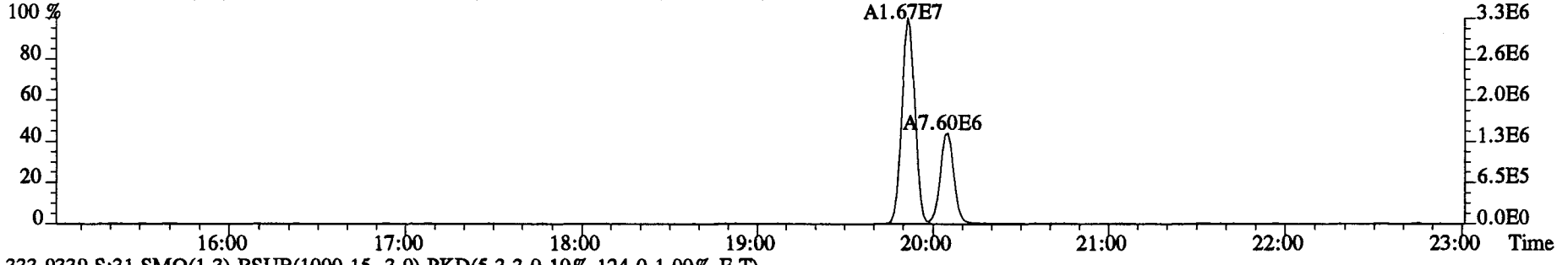
File:30AU104D5 #1-530 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

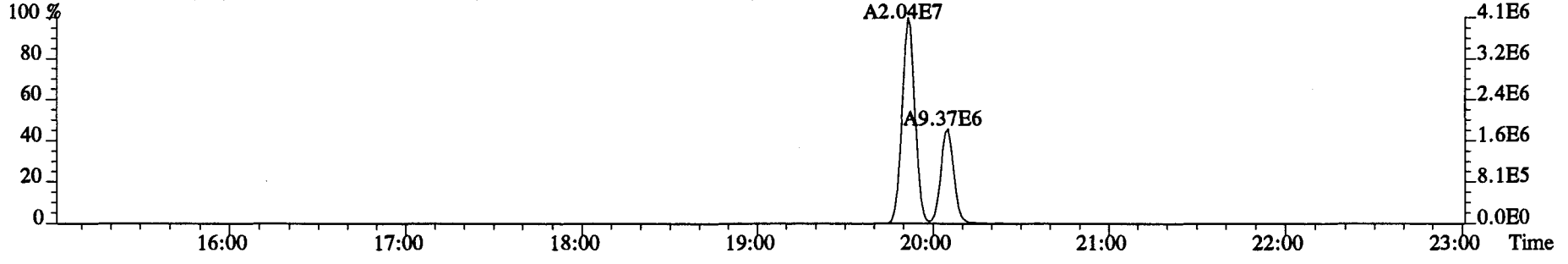


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

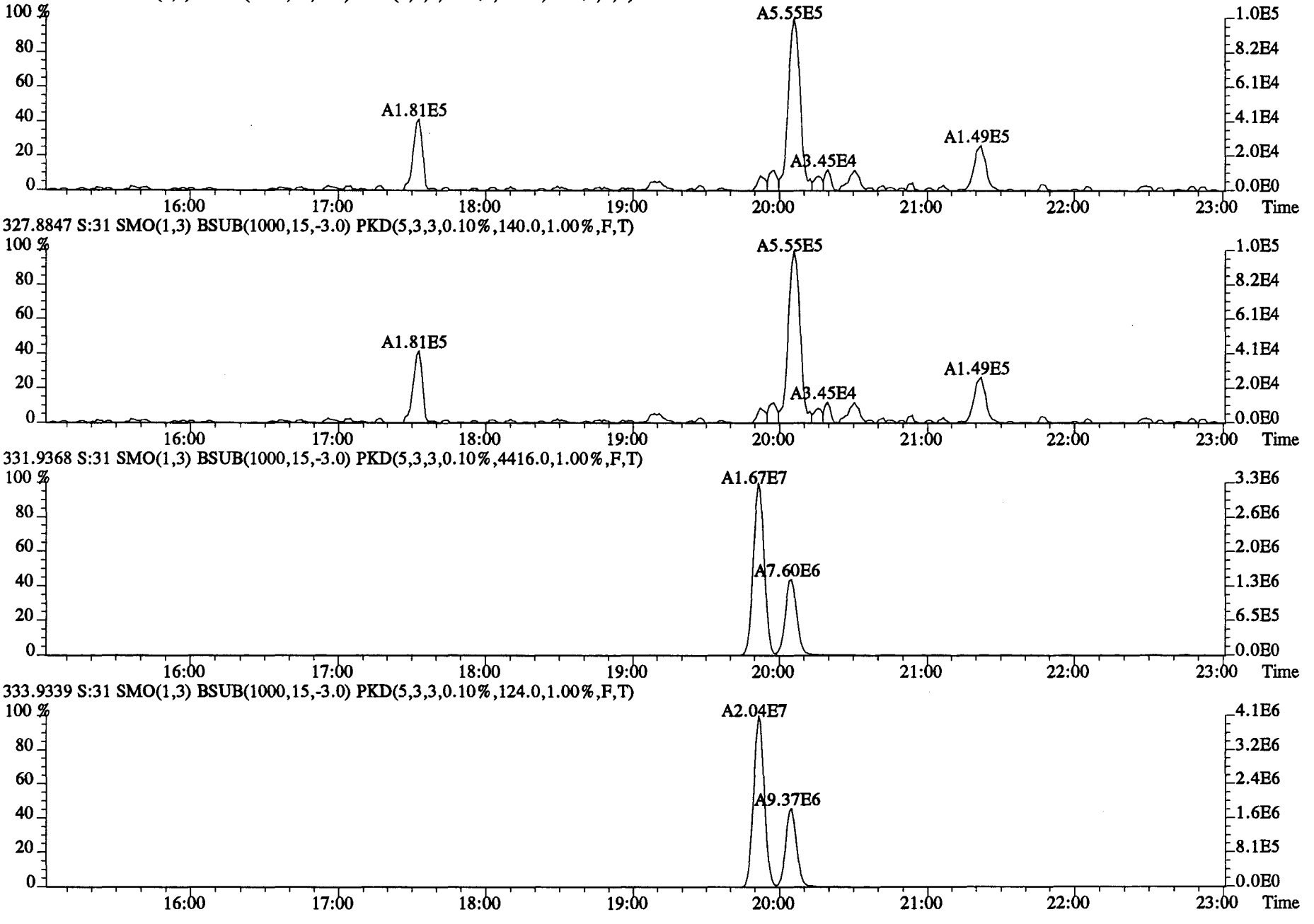






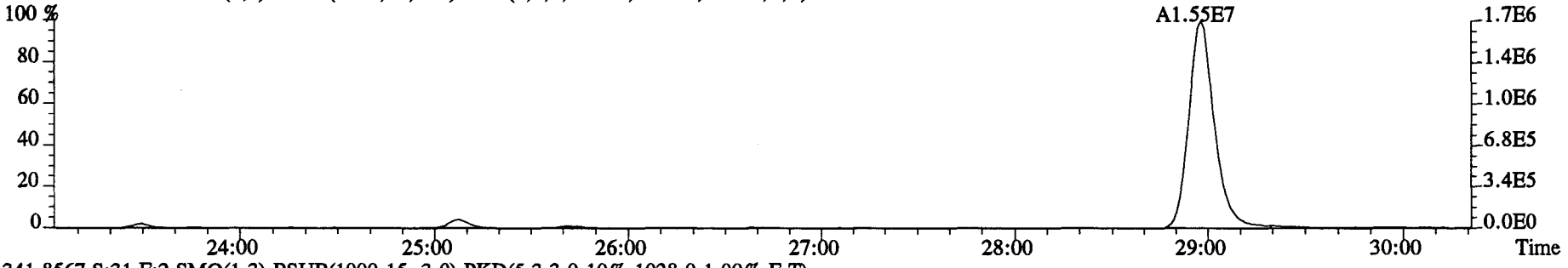


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

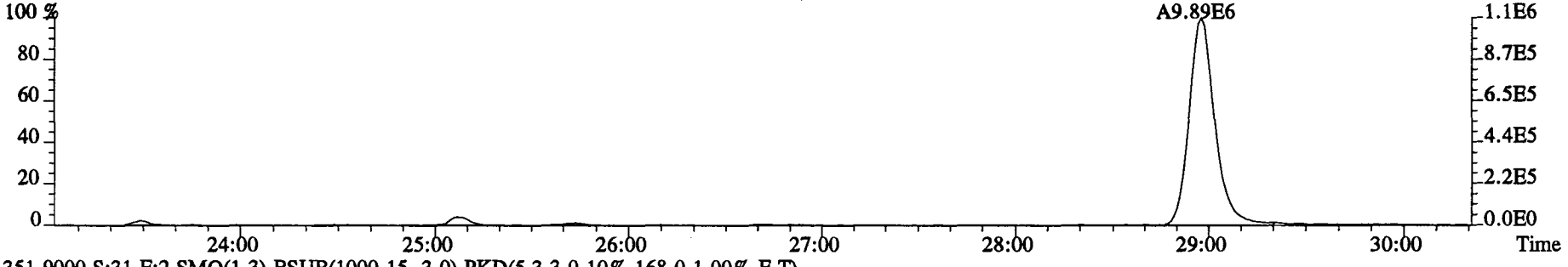


File:30AU104D5 #1-470 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

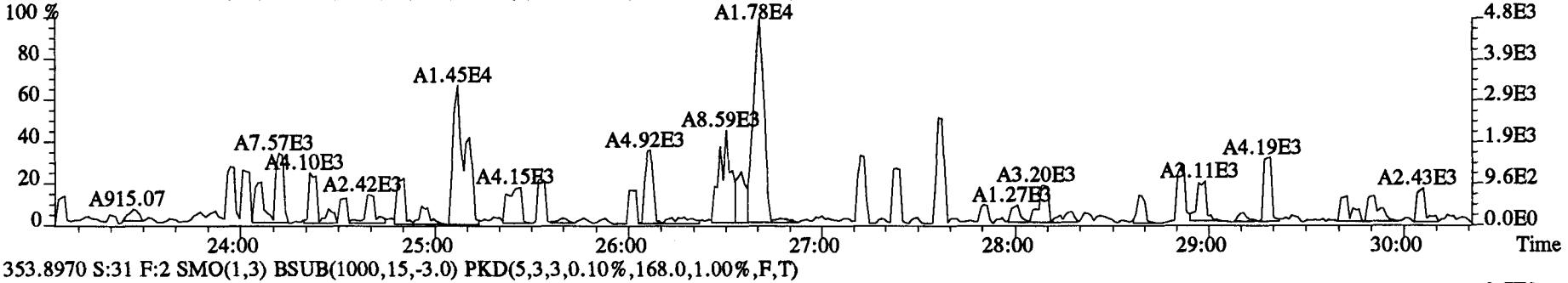
339.8597 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



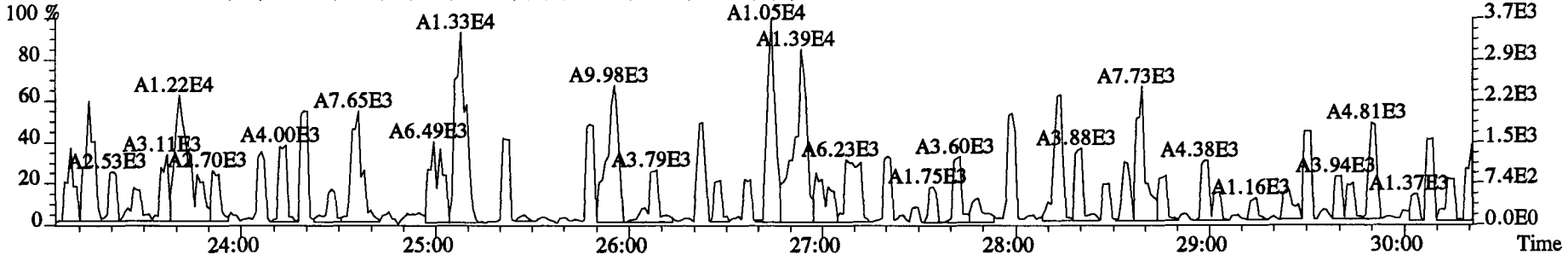
341.8567 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1028.0,1.00%,F,T)



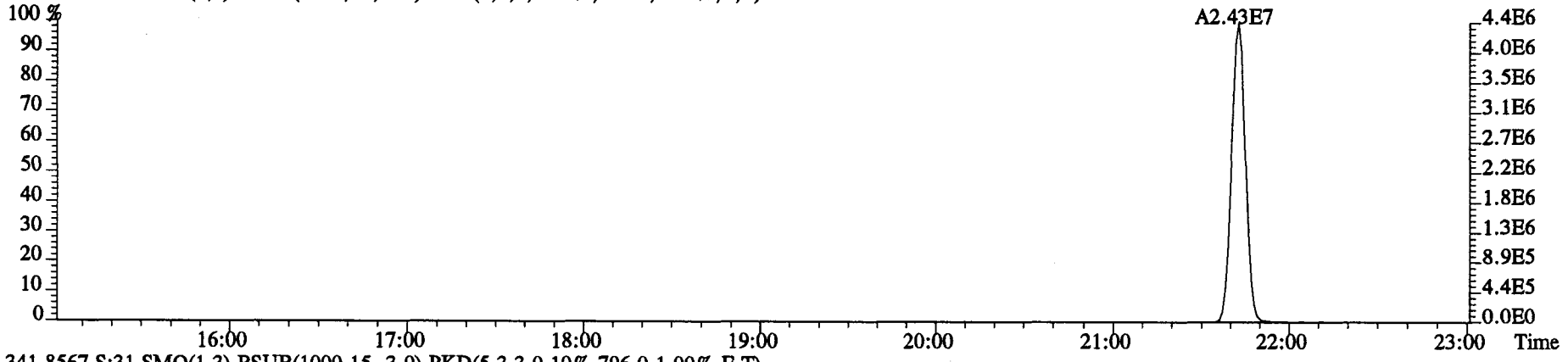
351.9000 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)

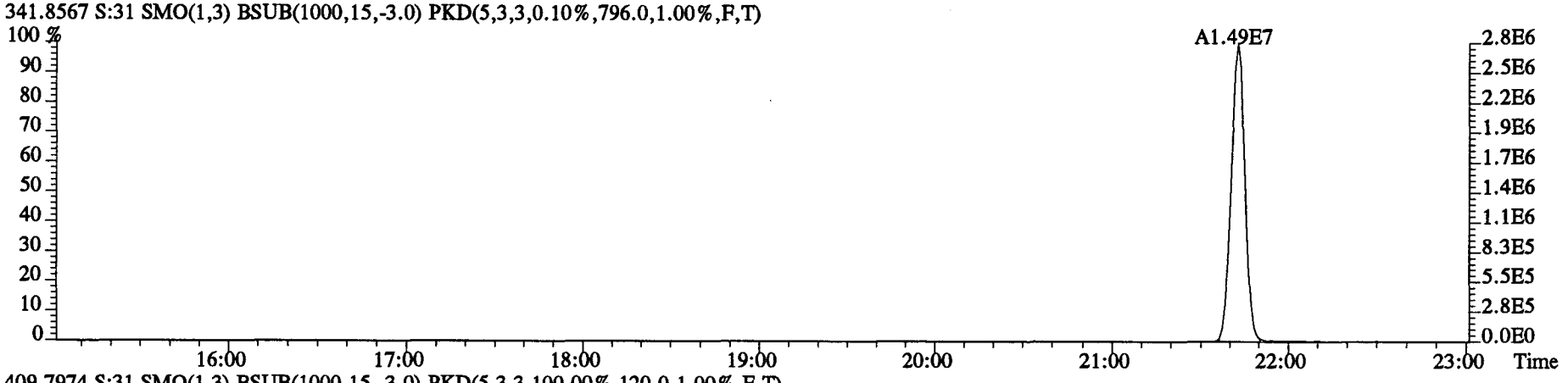


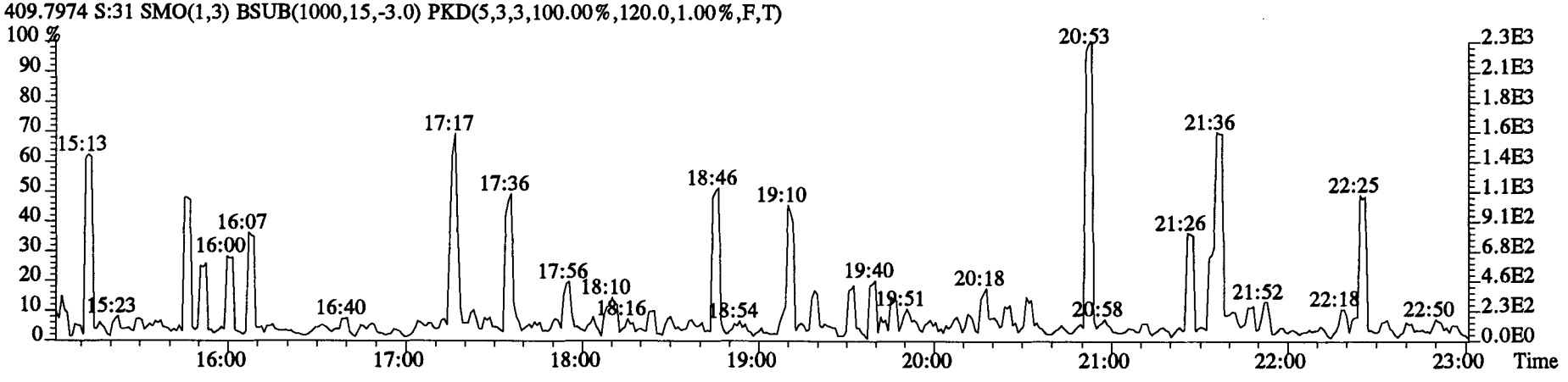
353.8970 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)



File:30AU104D5 #1-530 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

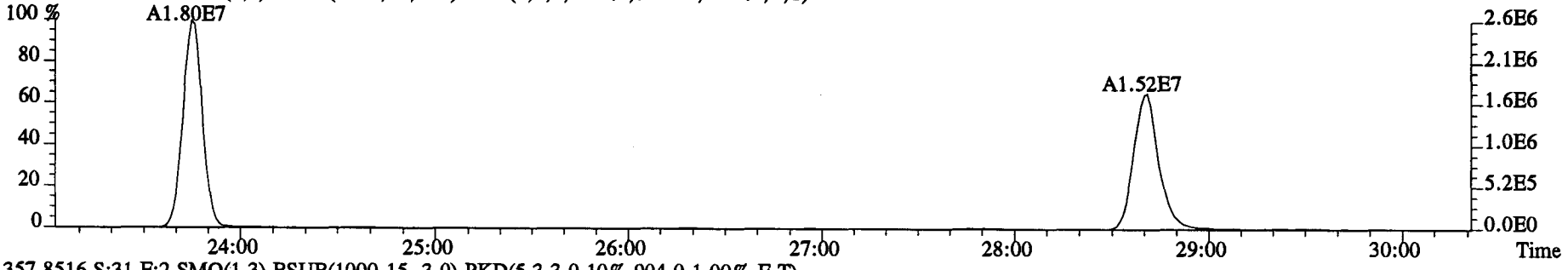




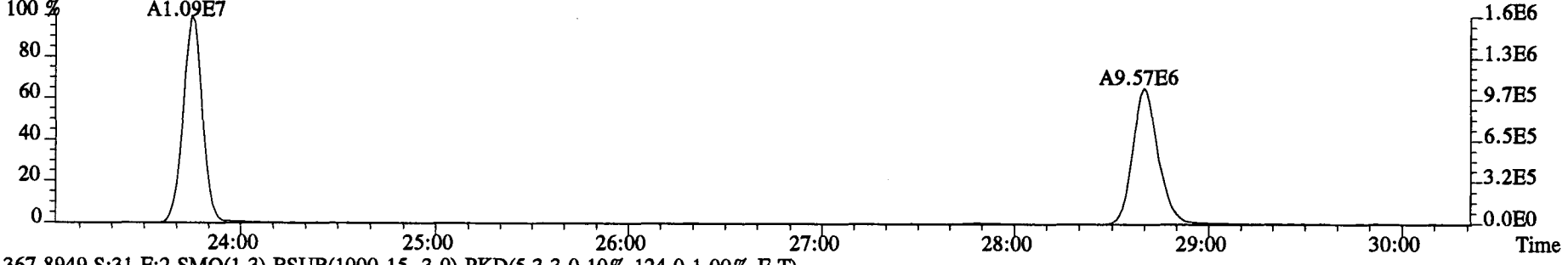


File:30AU104D5 #1-470 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

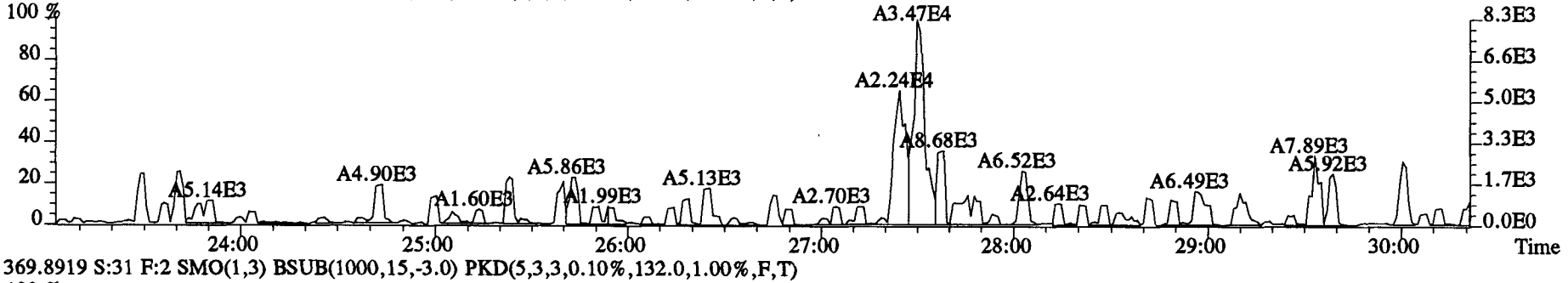
355.8546 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956.0,1.00%,F,T)



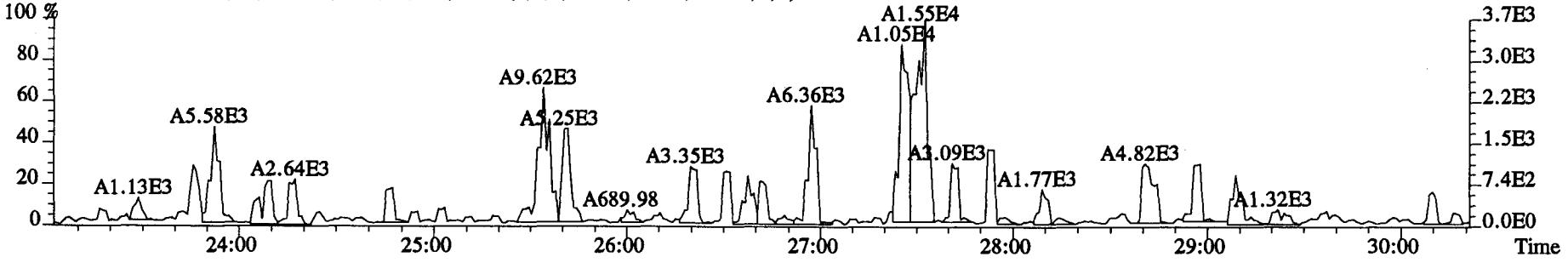
357.8516 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)



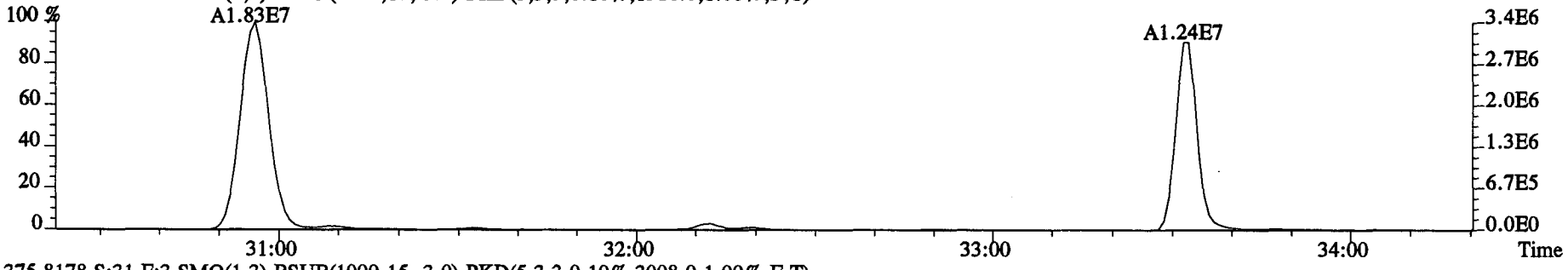
367.8949 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)

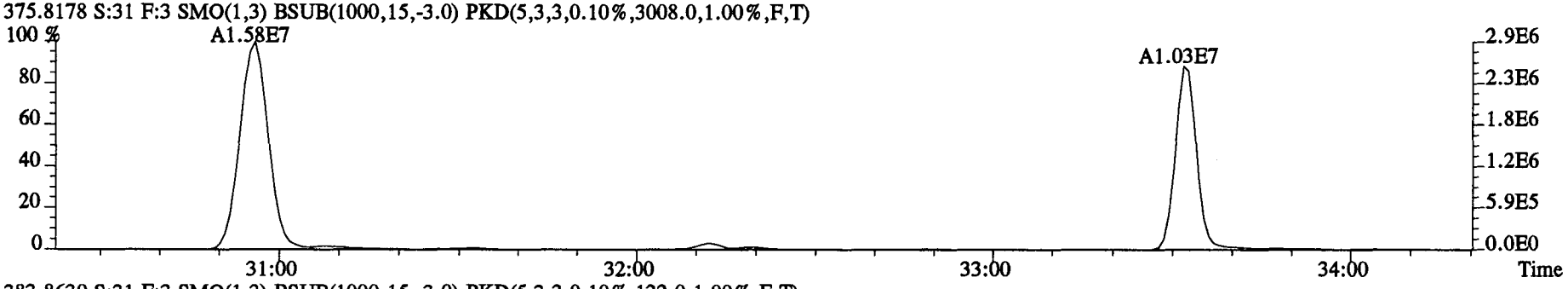


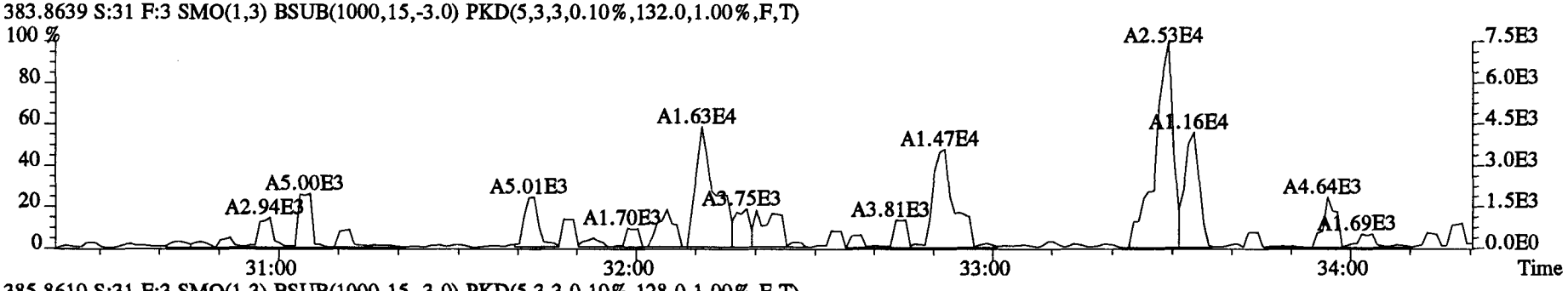
369.8919 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)

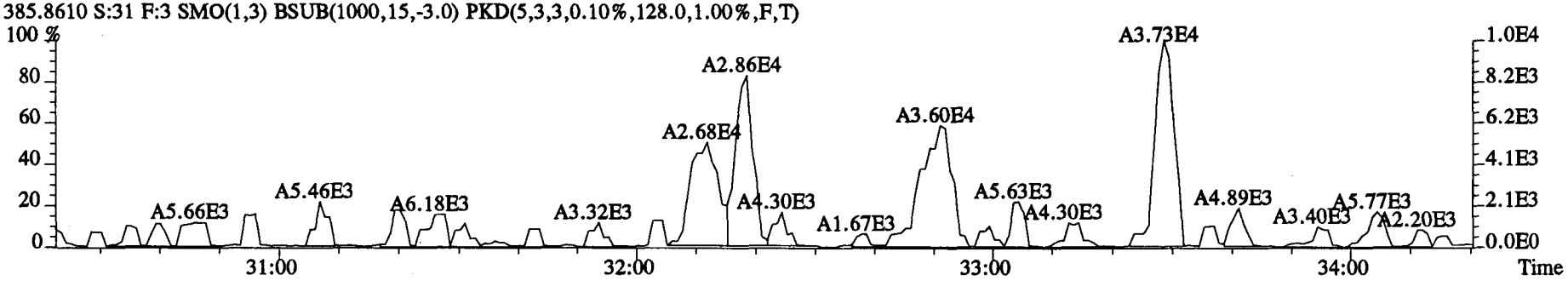


File:30AU104D5 #1-286 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

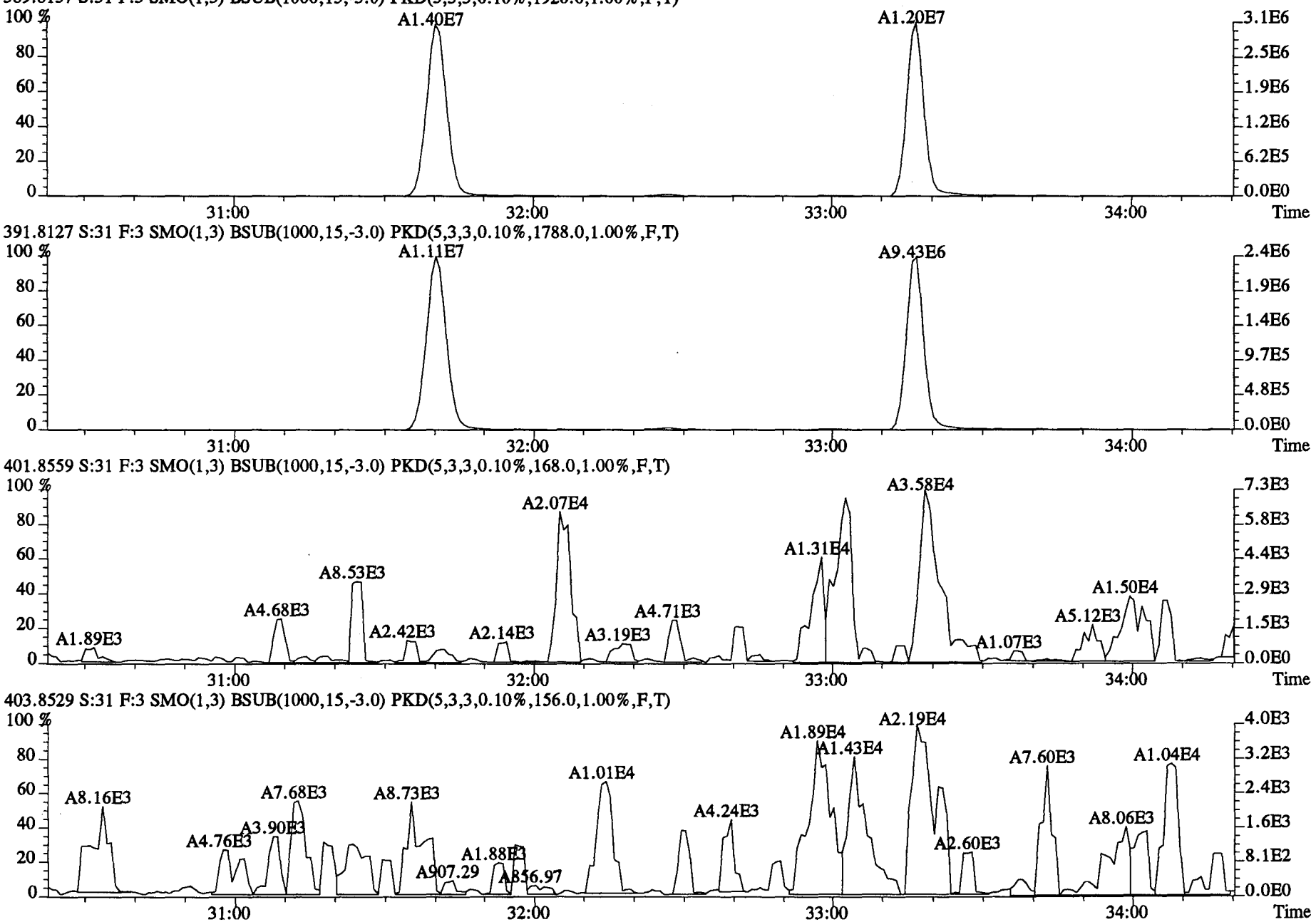




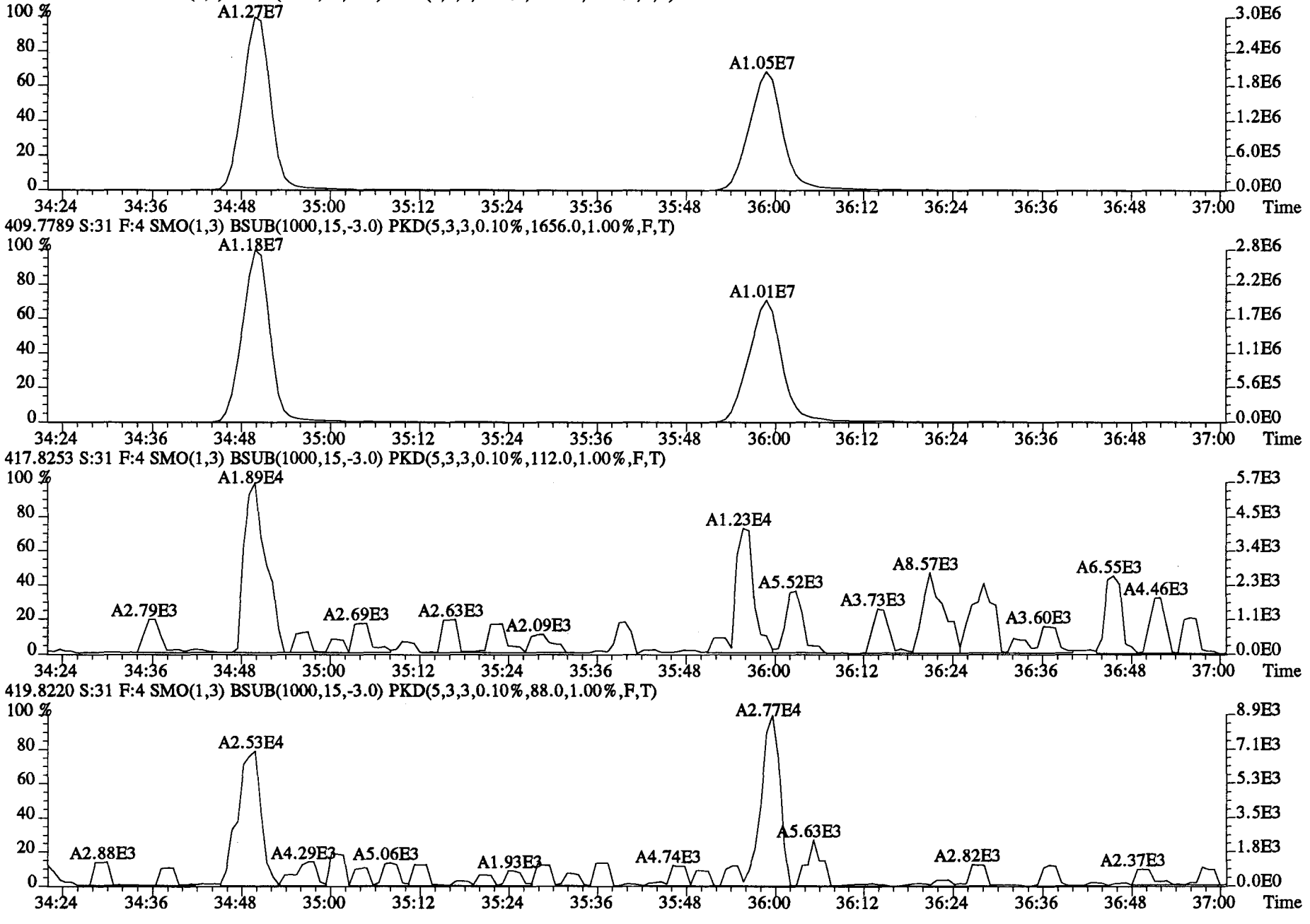




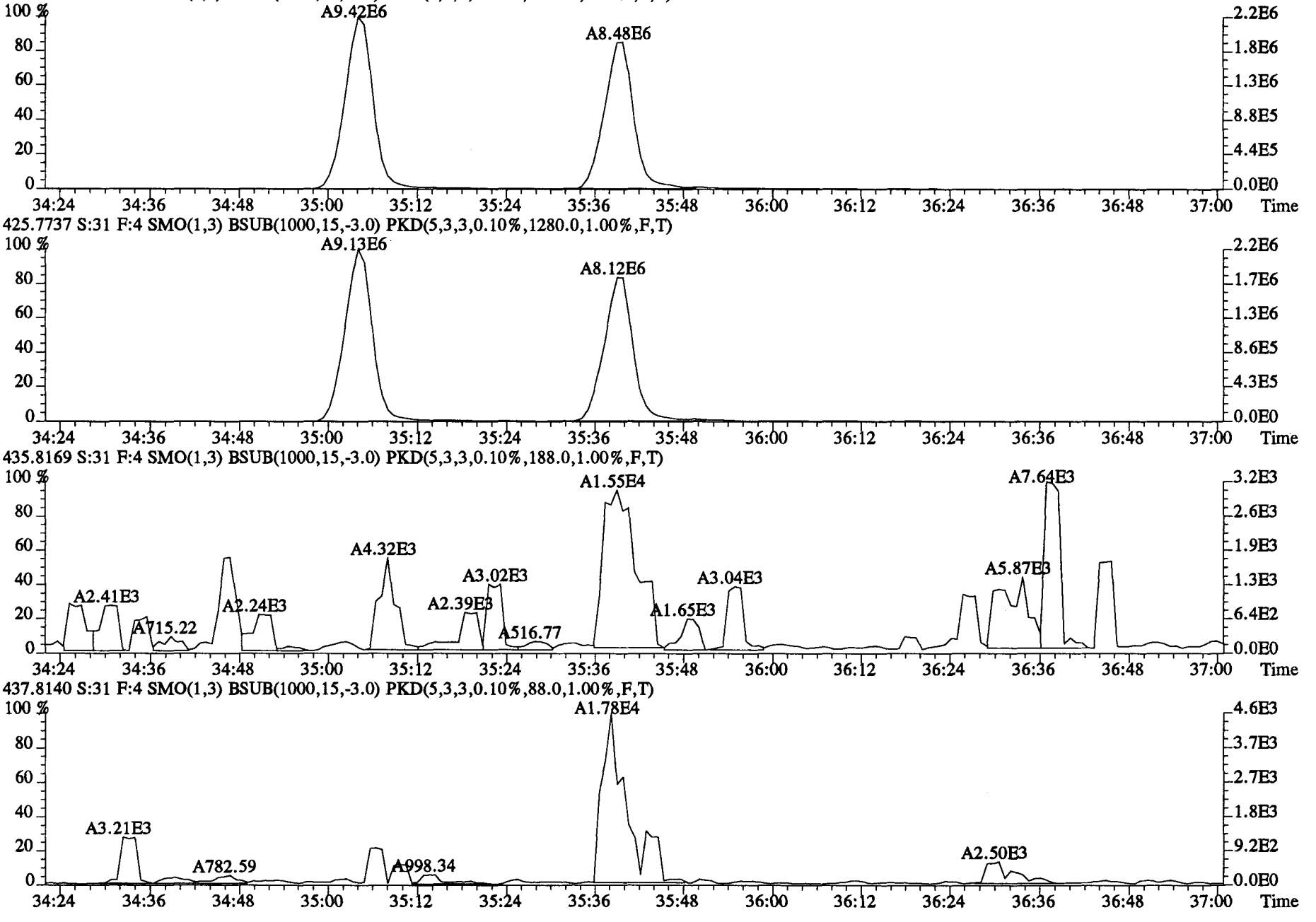
File:30AU104D5 #1-286 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES



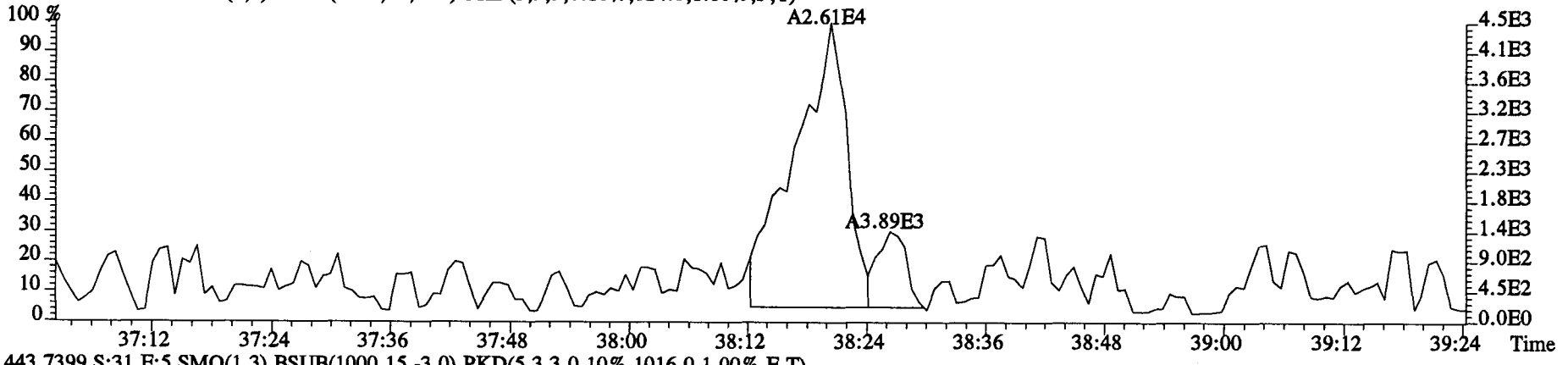
File:30AU104D5 #1-201 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES



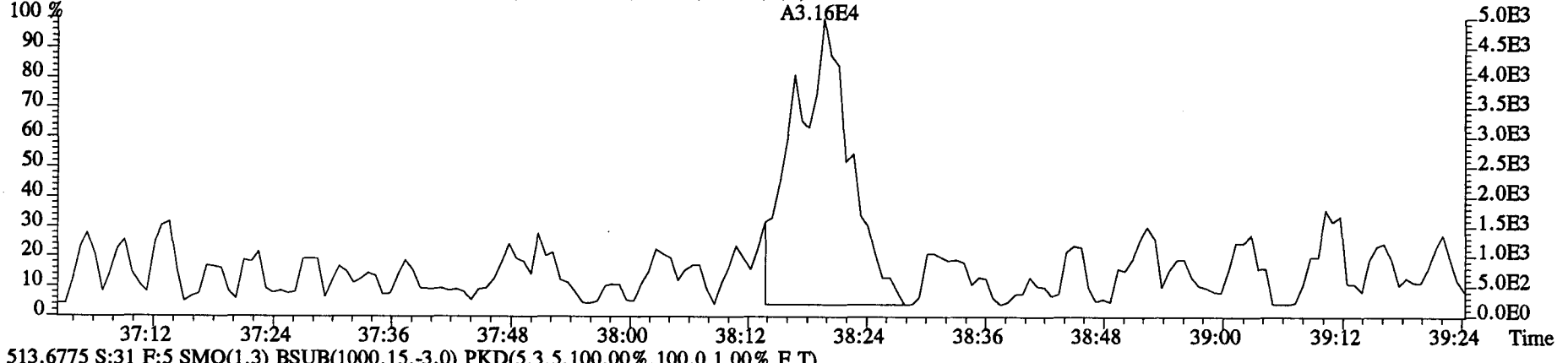
File:30AU104D5 #1-201 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES



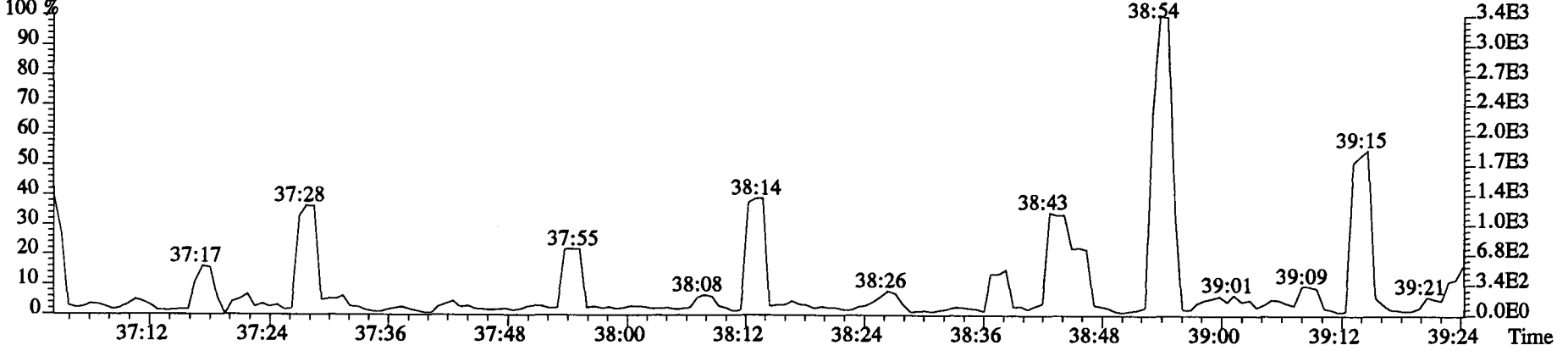
File:30AU104D5 #1-192 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,824.0,1.00%,F,T)



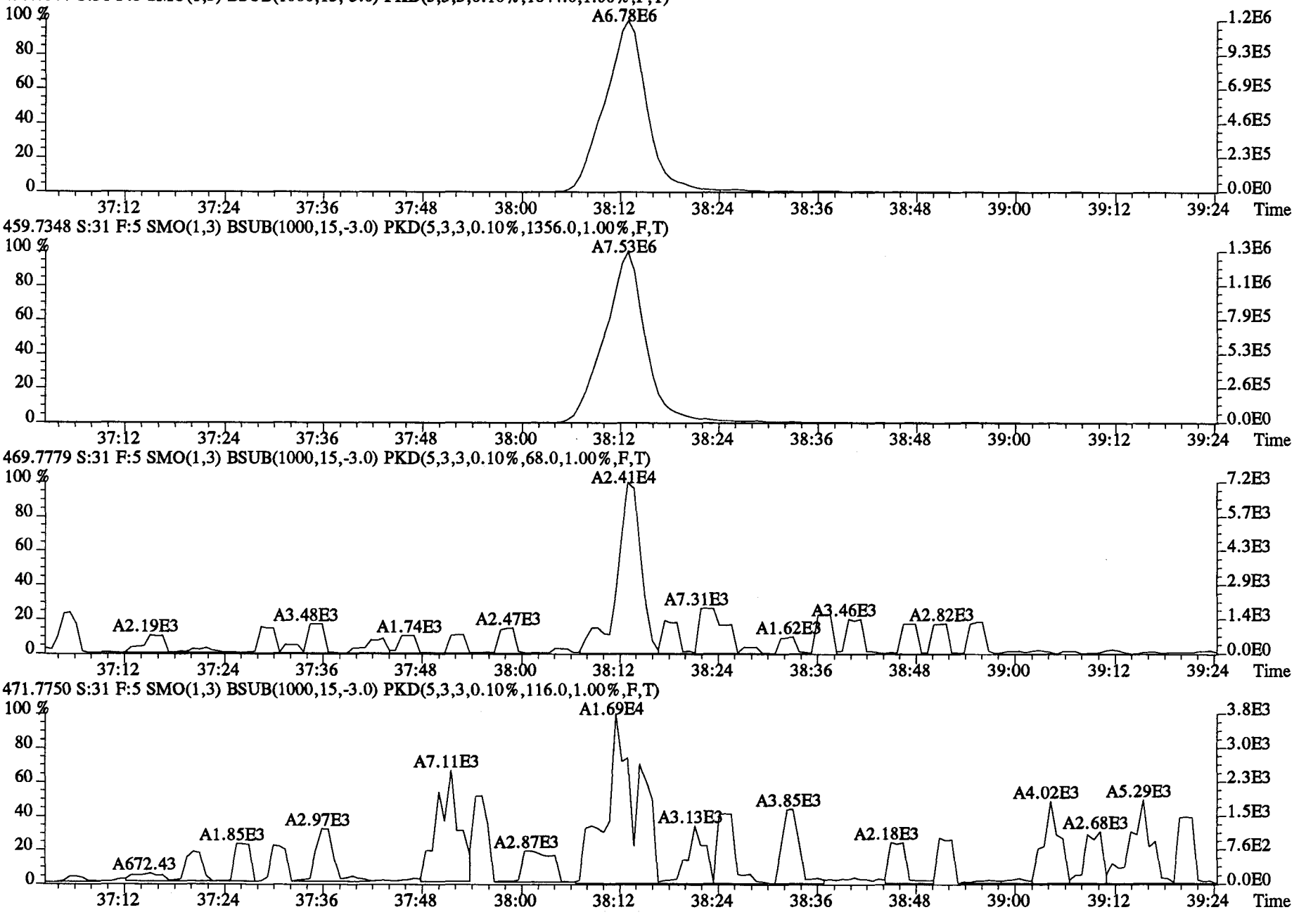
443.7399 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1016.0,1.00%,F,T)



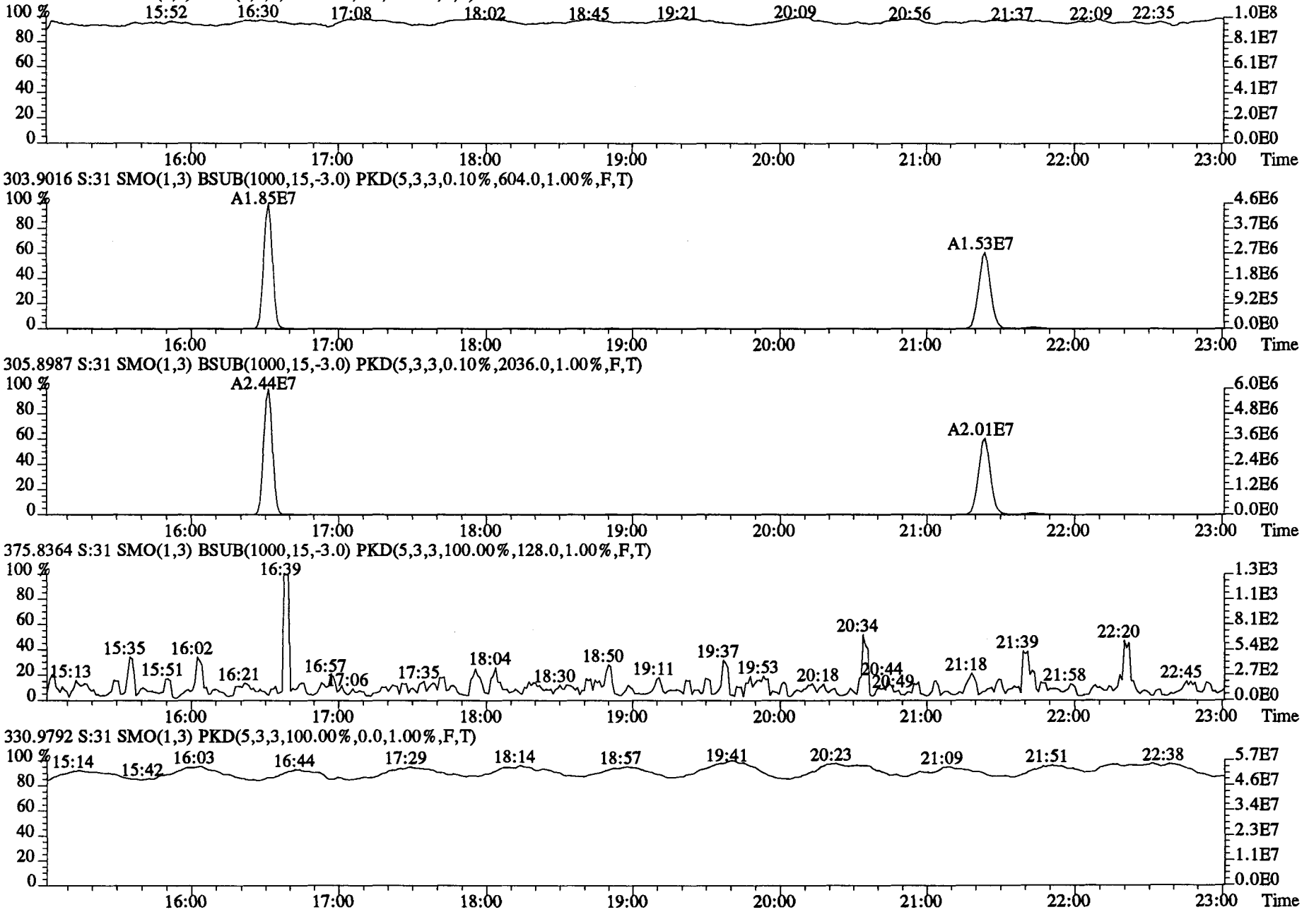
513.6775 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,100.0,1.00%,F,T)



File:30AU104D5 #1-192 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

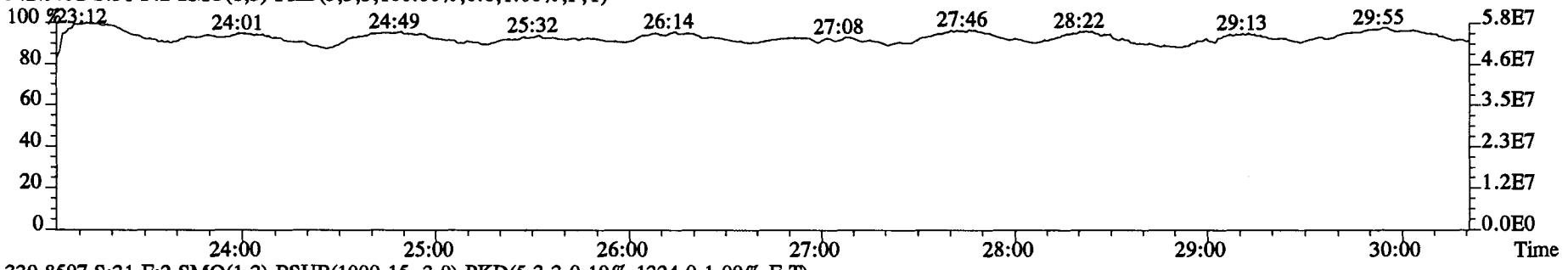


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

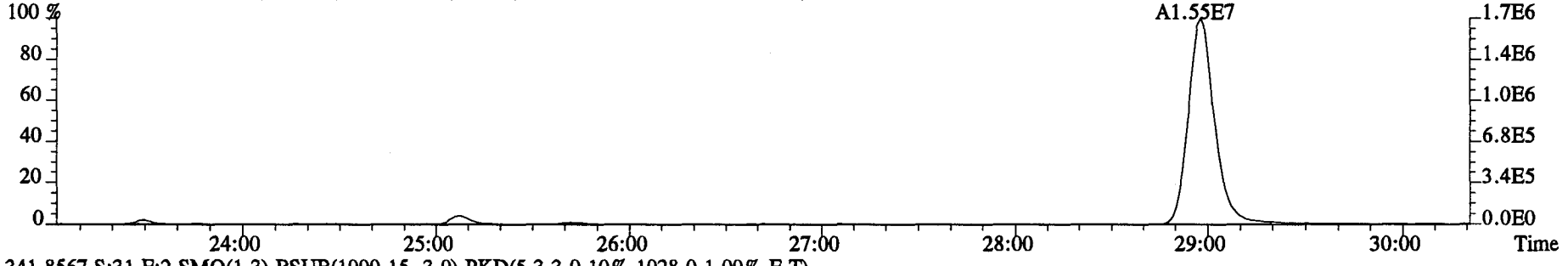


File:30AU104D5 #1-470 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

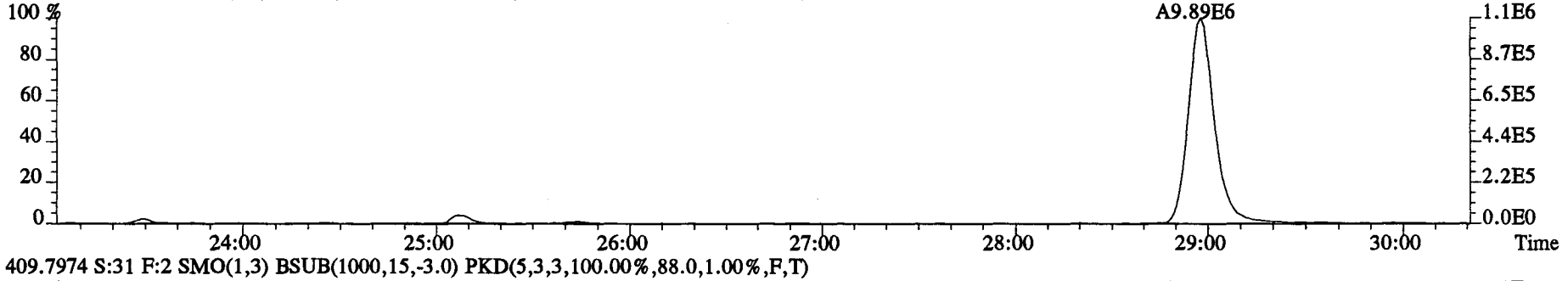
342.9792 S:31 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



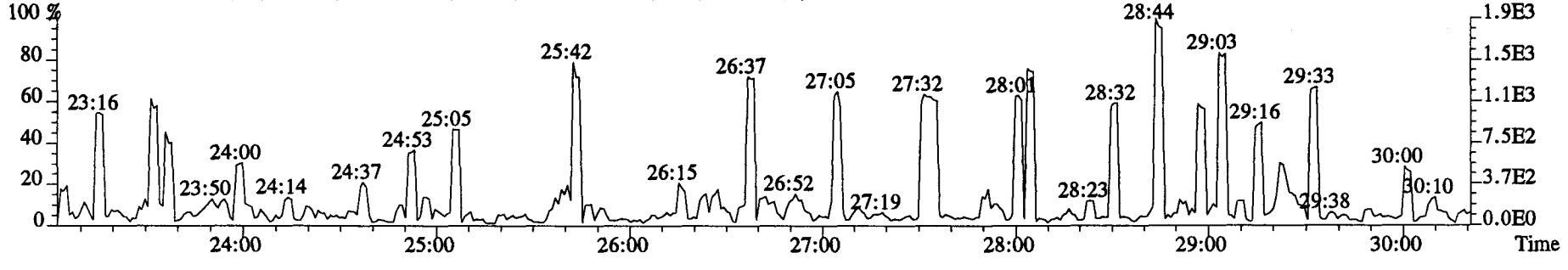
339.8597 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



341.8567 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1028.0,1.00%,F,T)

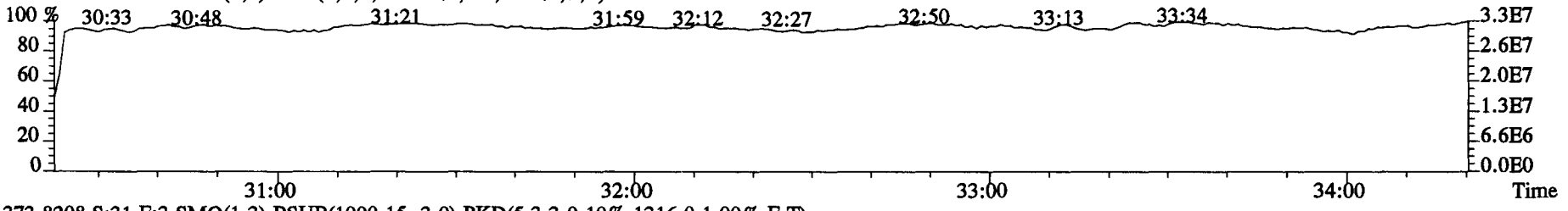


409.7974 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,88.0,1.00%,F,T)

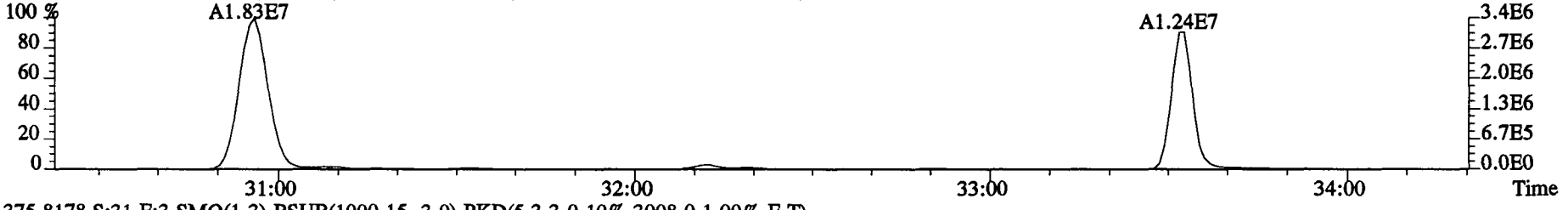


File:30AU104D5 #1-286 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES

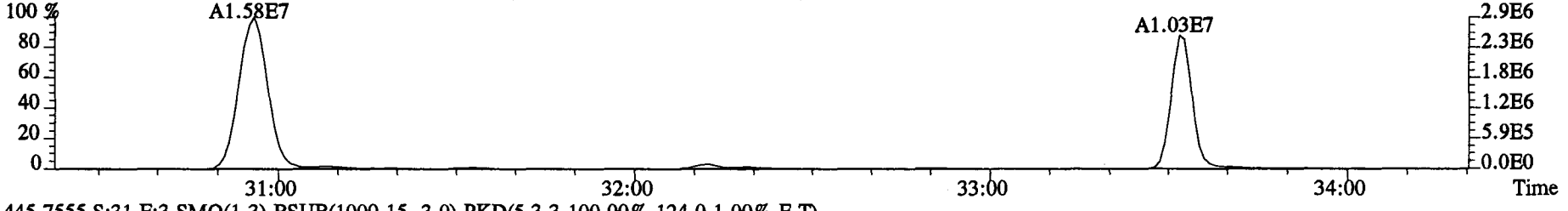
392.9760 S:31 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



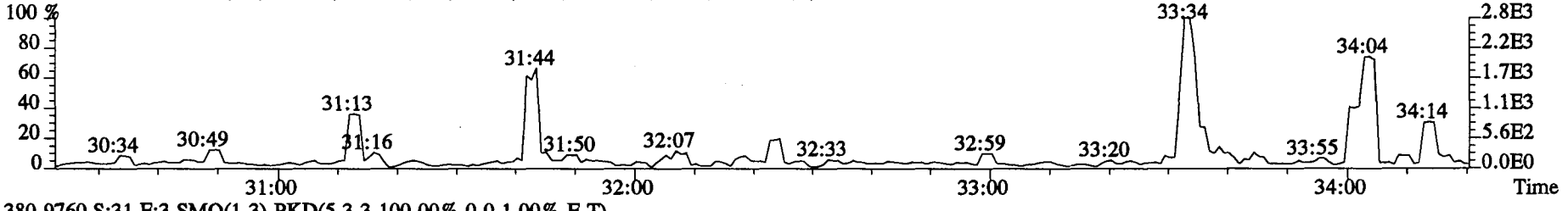
373.8208 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1316.0,1.00%,F,T)



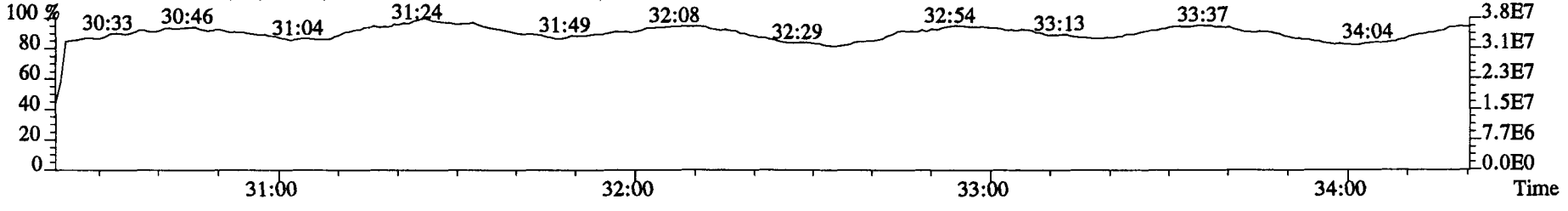
375.8178 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3008.0,1.00%,F,T)



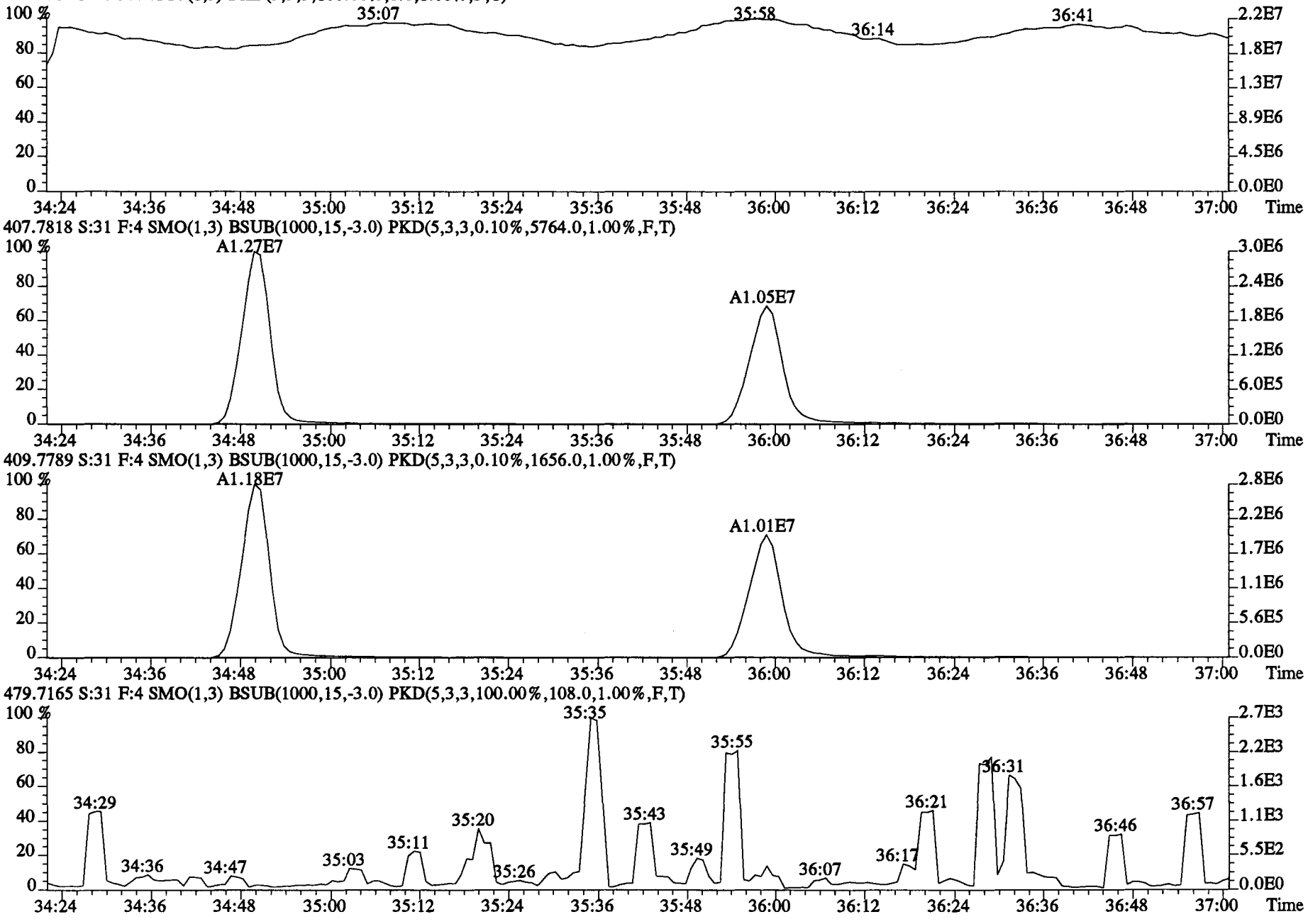
445.7555 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,124.0,1.00%,F,T)



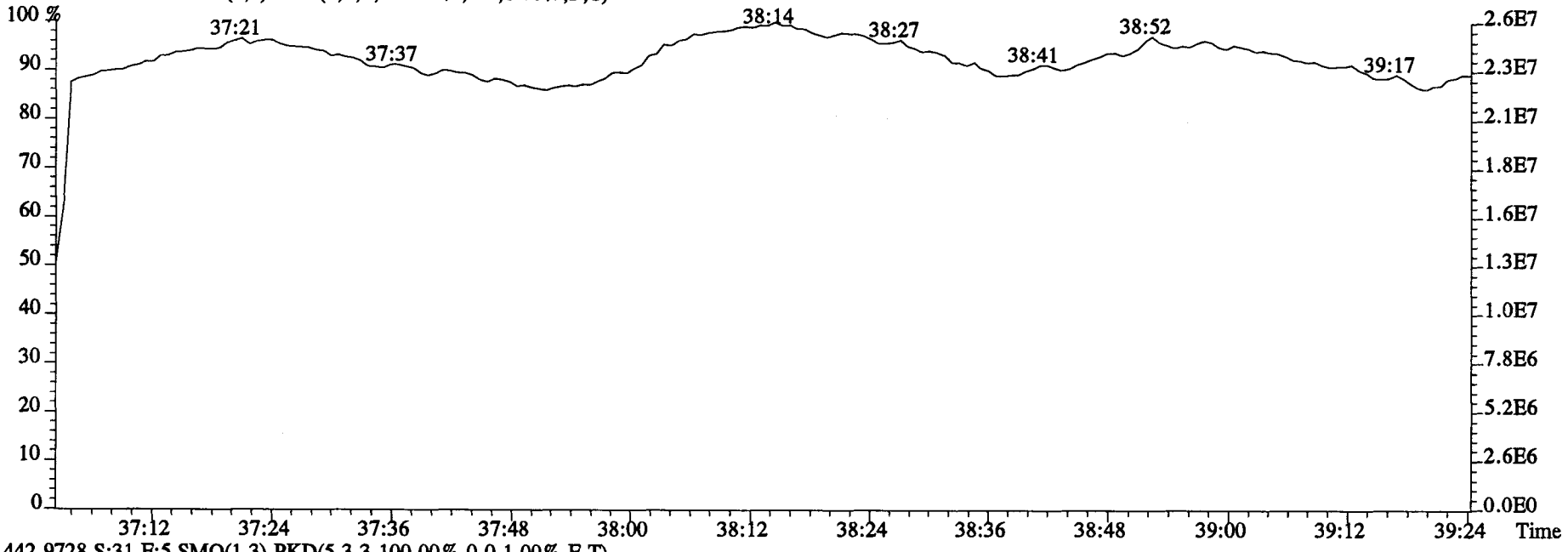
380.9760 S:31 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



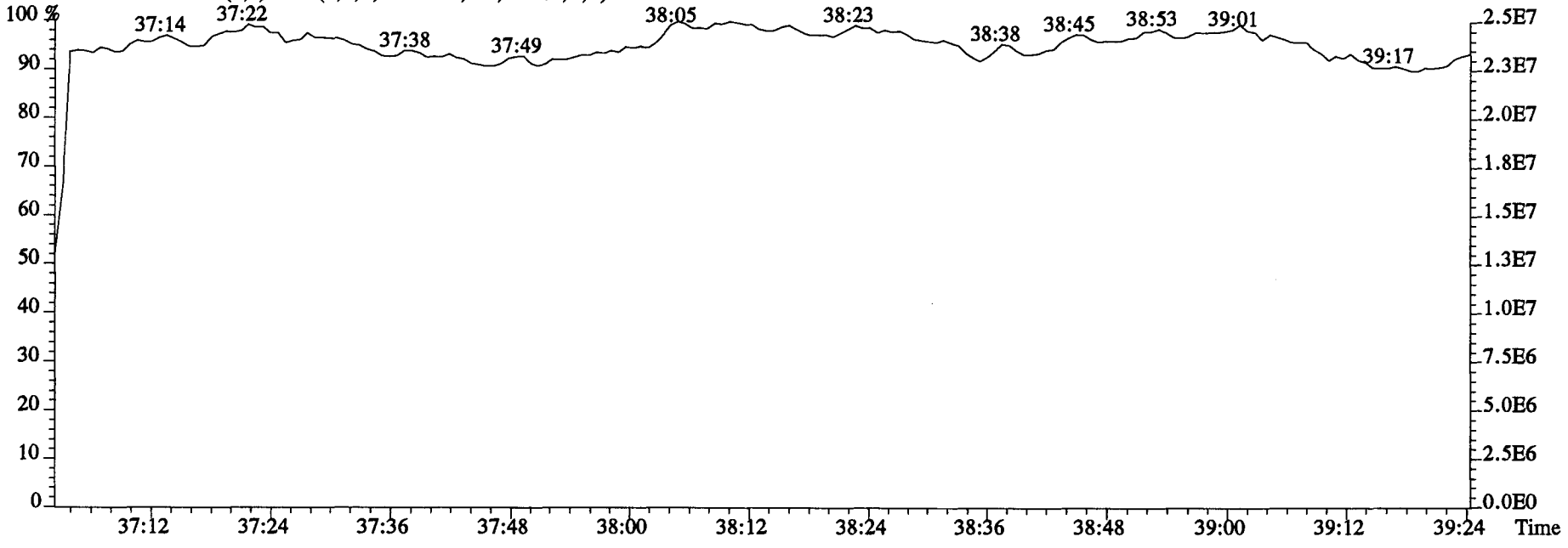
File:30AU104D5 #1-201 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES



File:30AU104D5 #1-192 Acq:31-AUG-2010 08:01:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:CP0830B :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

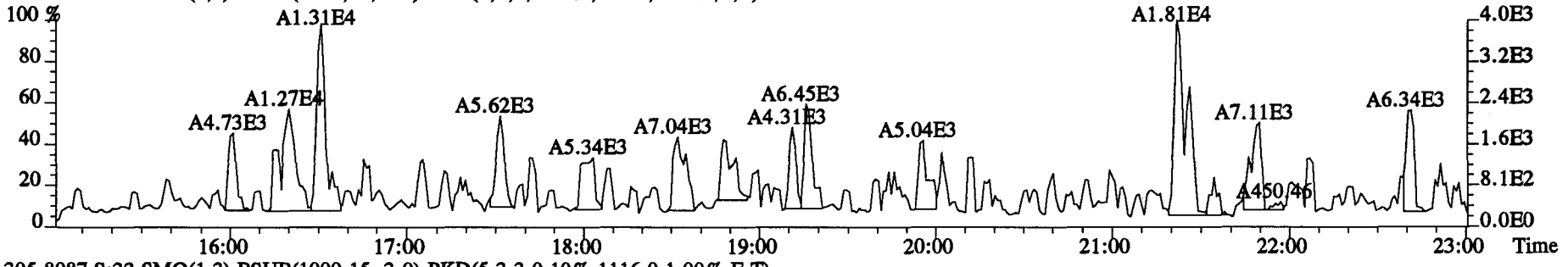


442.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

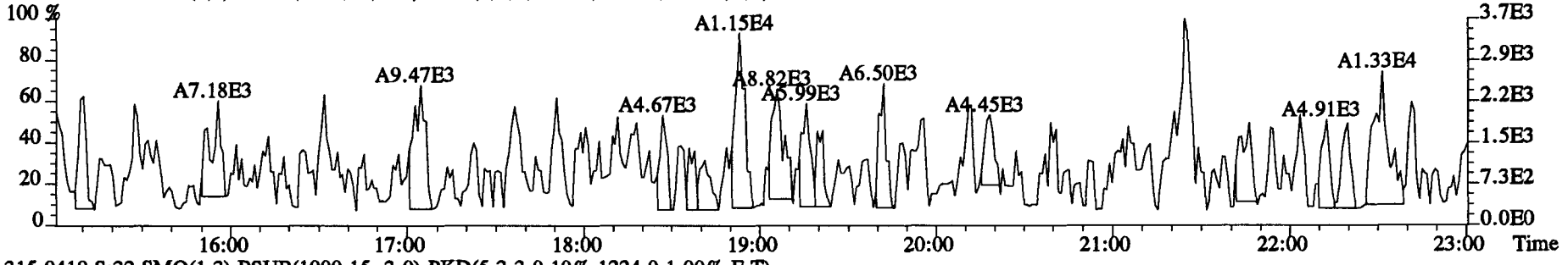


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

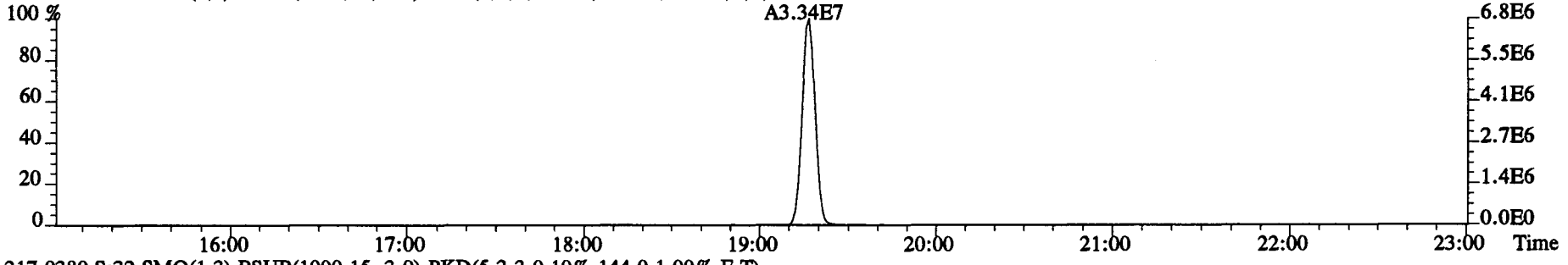
303.9016 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,636.0,1.00%,F,T)



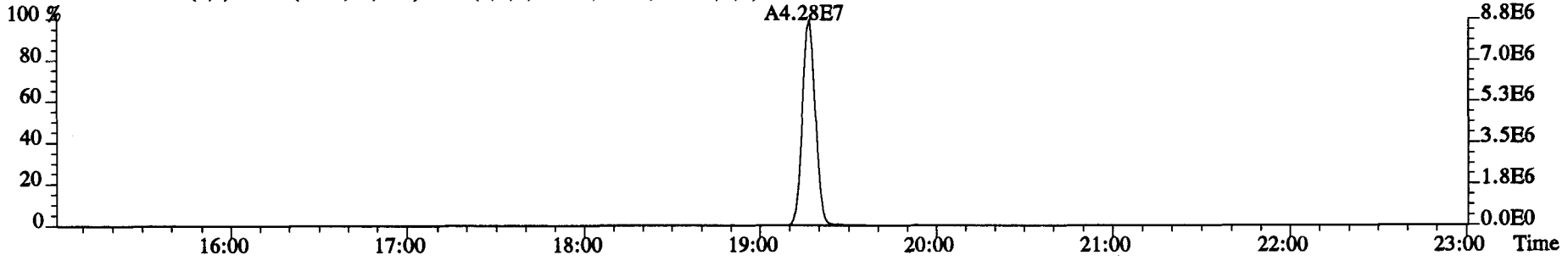
305.8987 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1116.0,1.00%,F,T)



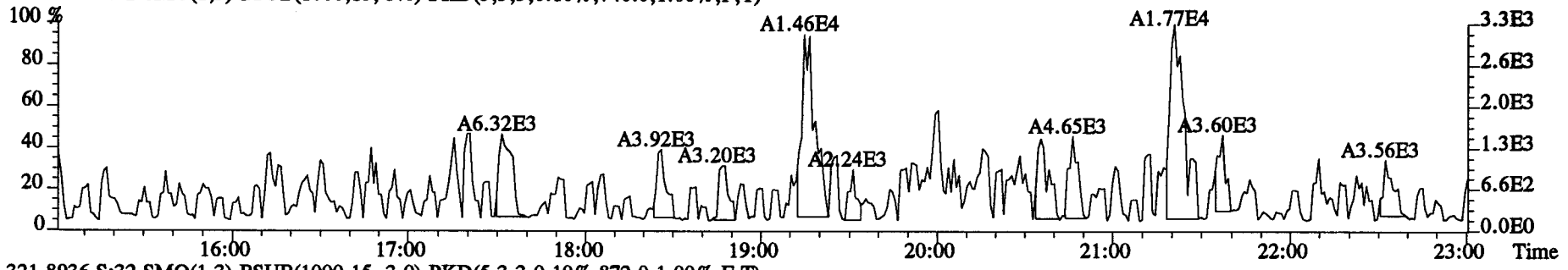
315.9419 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1224.0,1.00%,F,T)

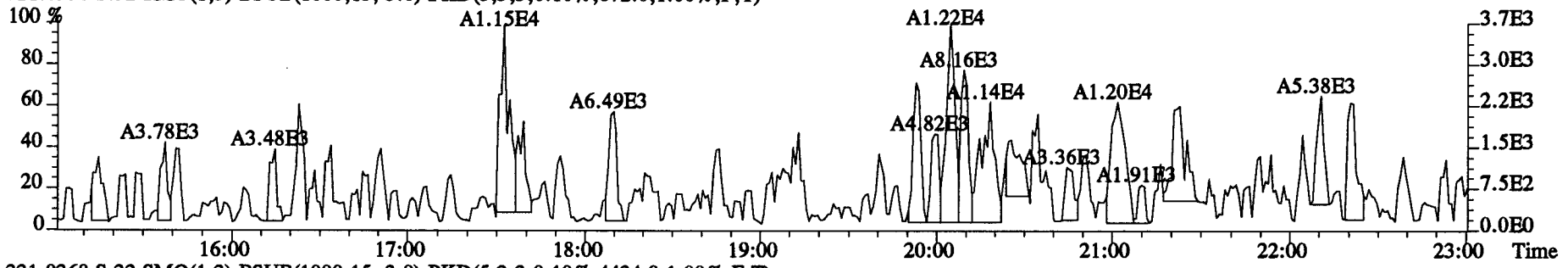


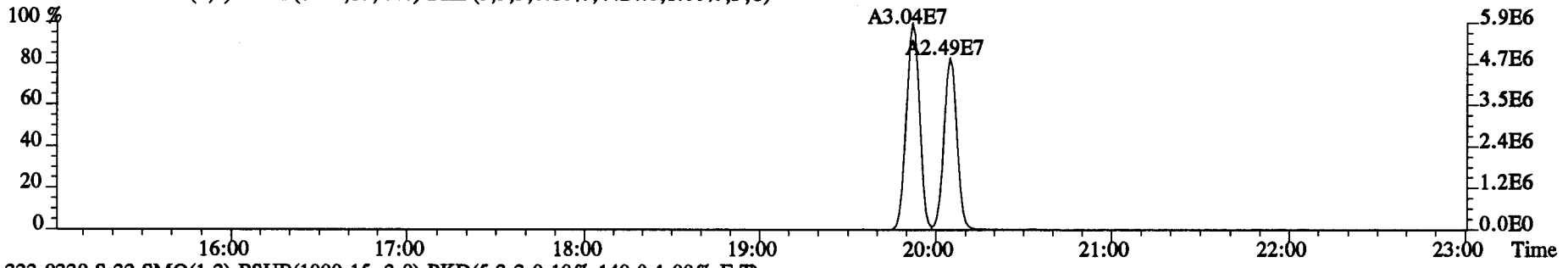
317.9389 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)

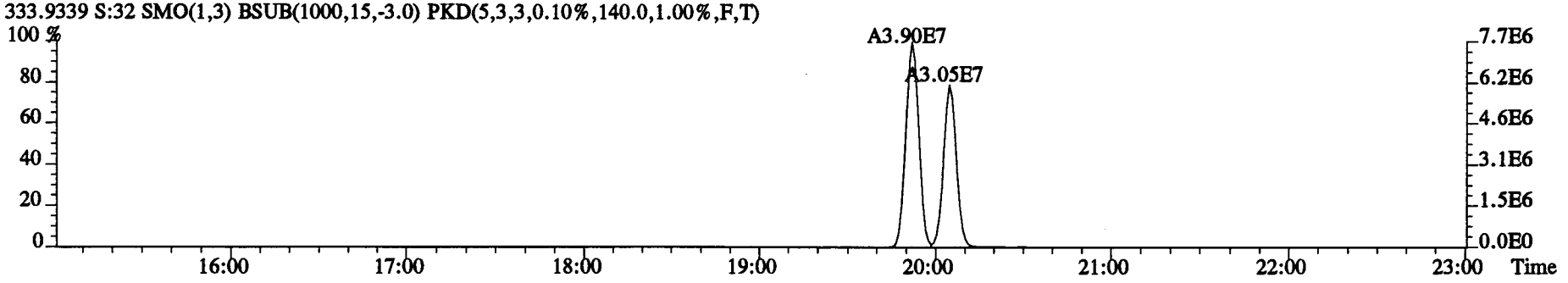


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



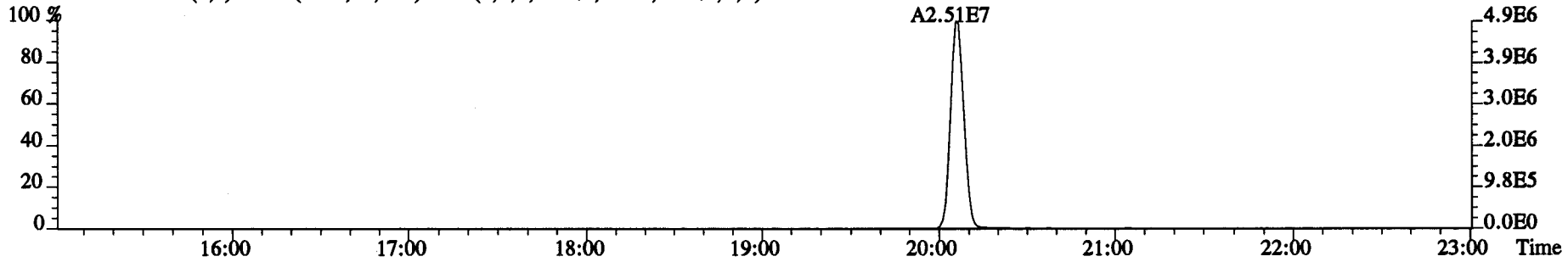




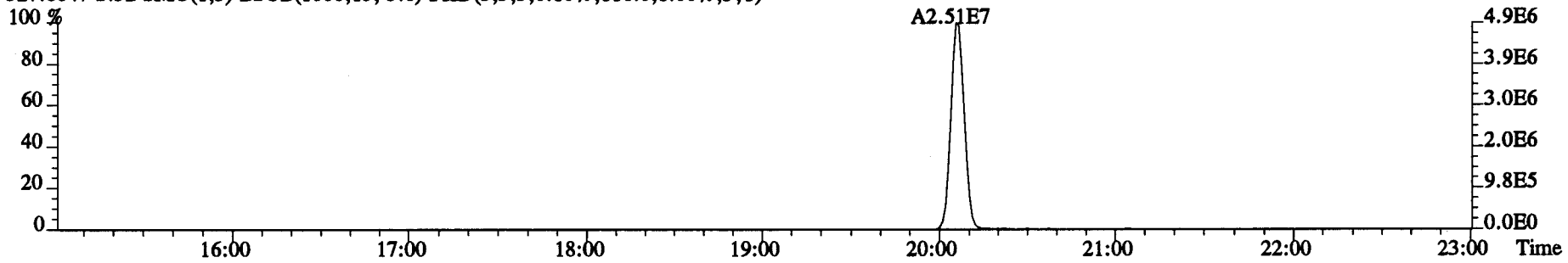


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

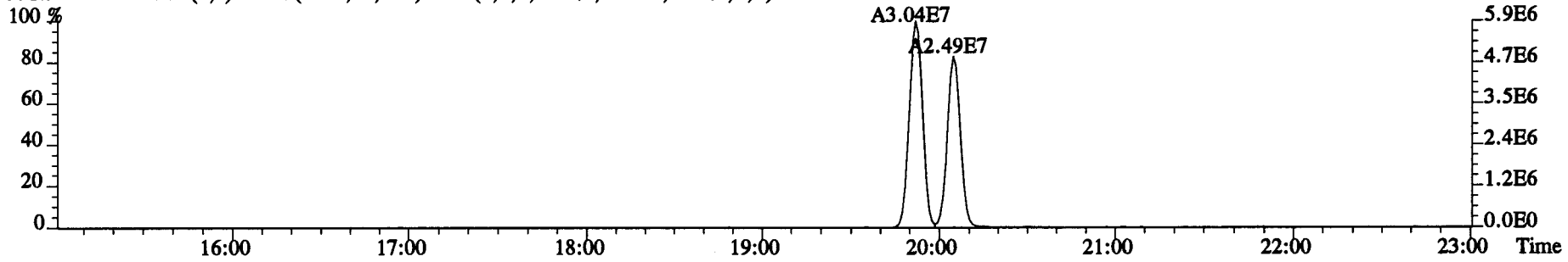
327.8847 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



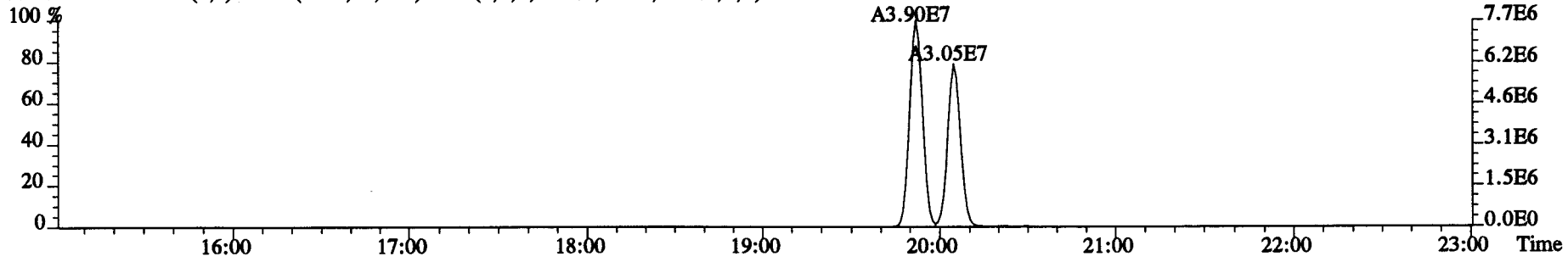
327.8847 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



331.9368 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4424.0,1.00%,F,T)

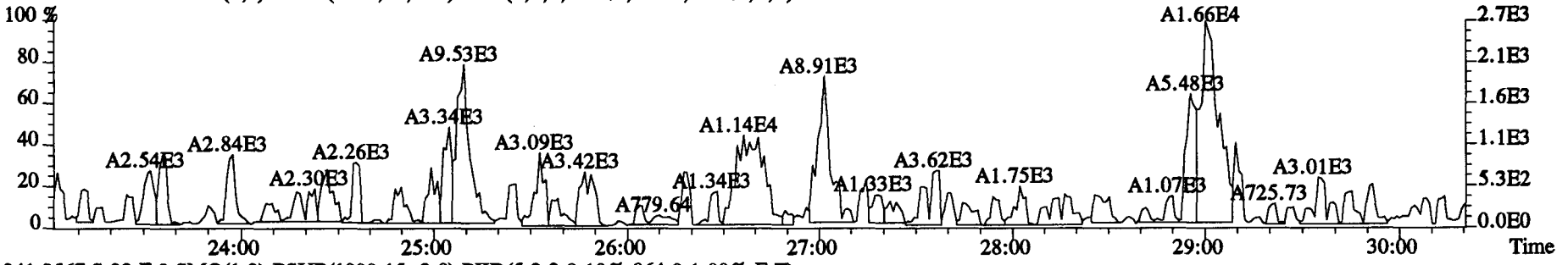


333.9339 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)

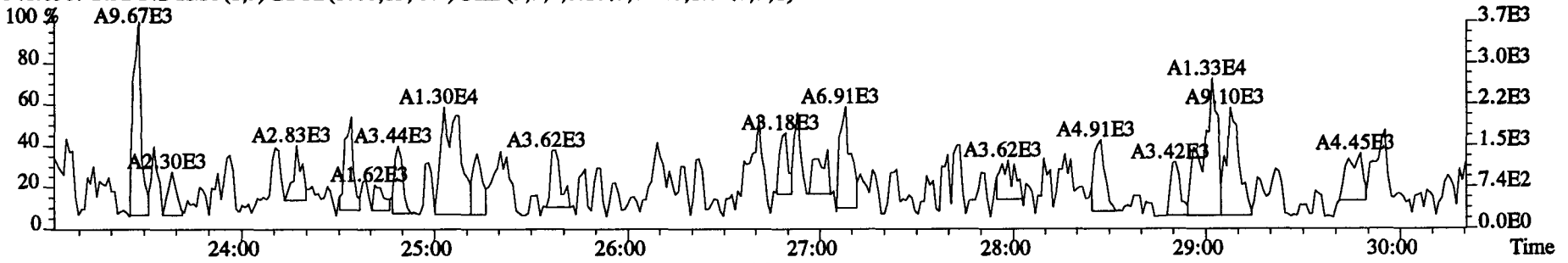


File:30AU104D5 #1-470 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

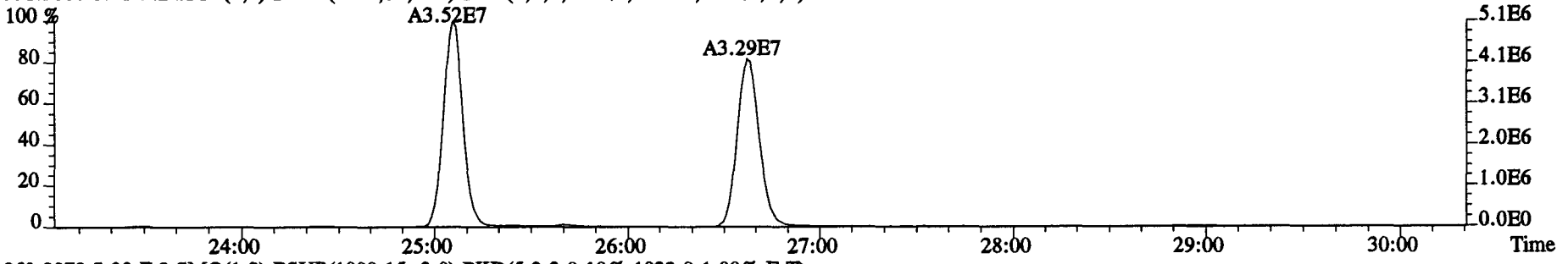
339.8597 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



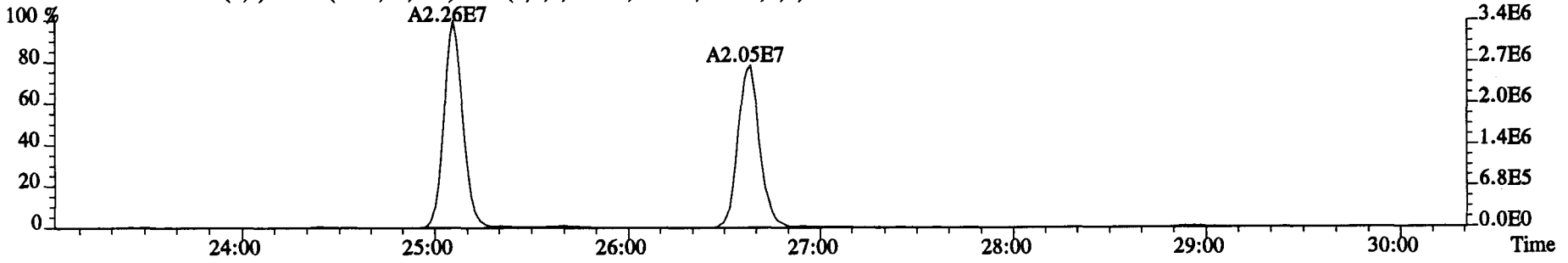
341.8567 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



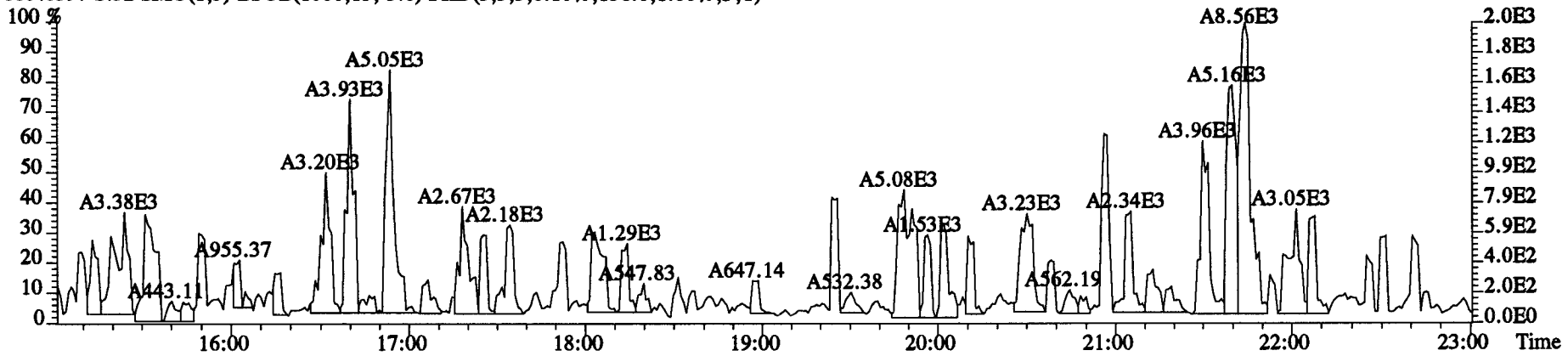
351.9000 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)



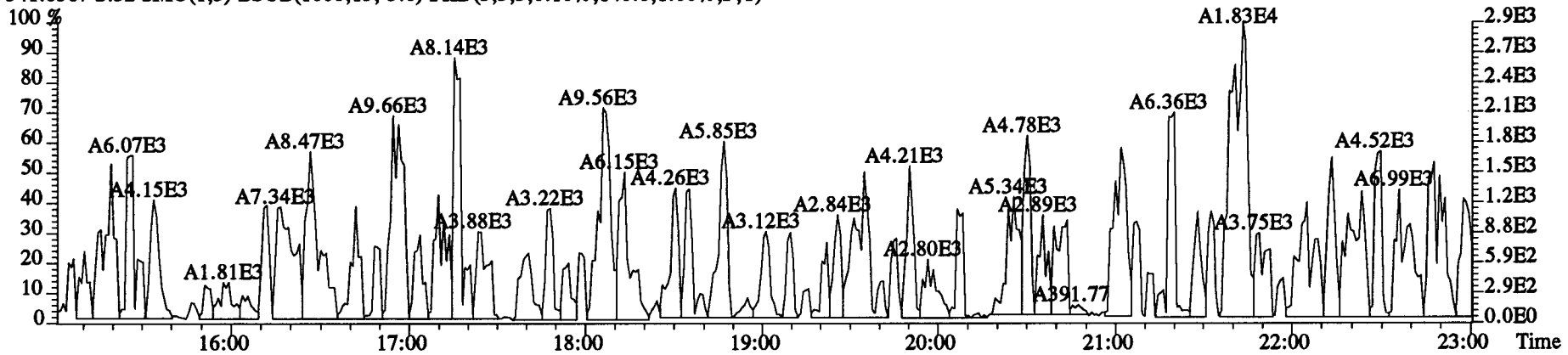
353.8970 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1932.0,1.00%,F,T)



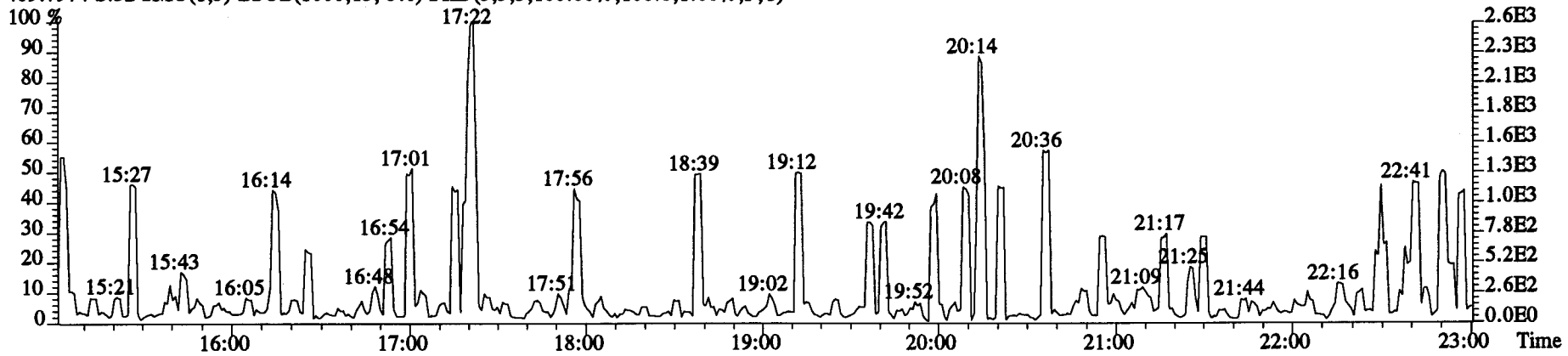
File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES
339.8597 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156.0,1.00%,F,T)



341.8567 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)

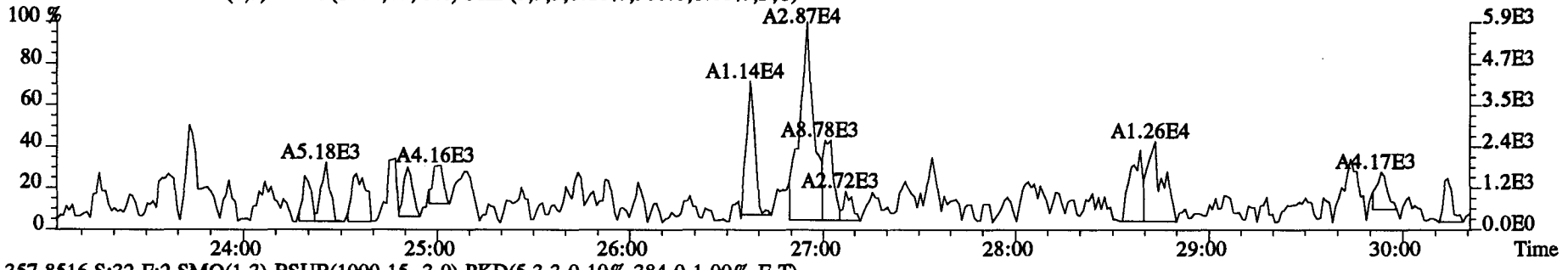


409.7974 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)

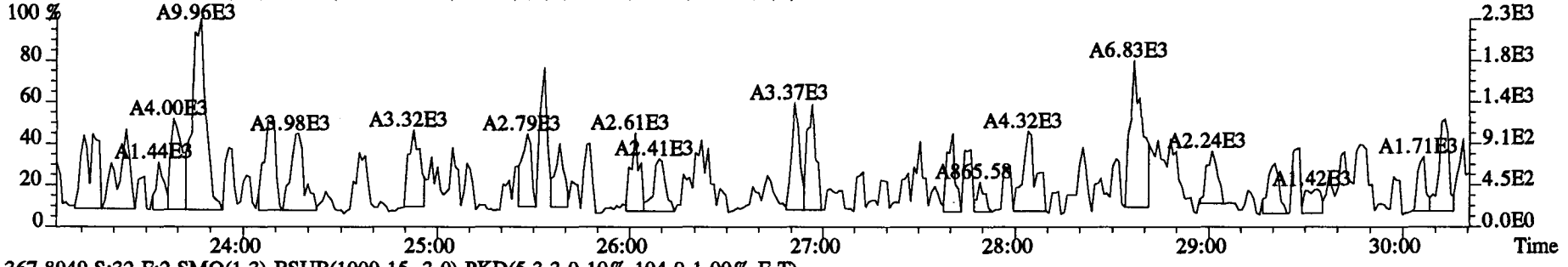


File:30AU104D5 #1-470 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

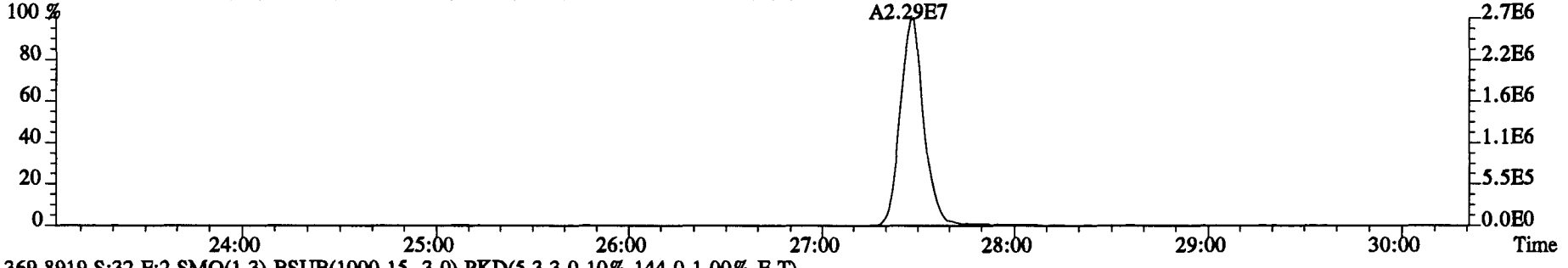
355.8546 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,988.0,1.00%,F,T)



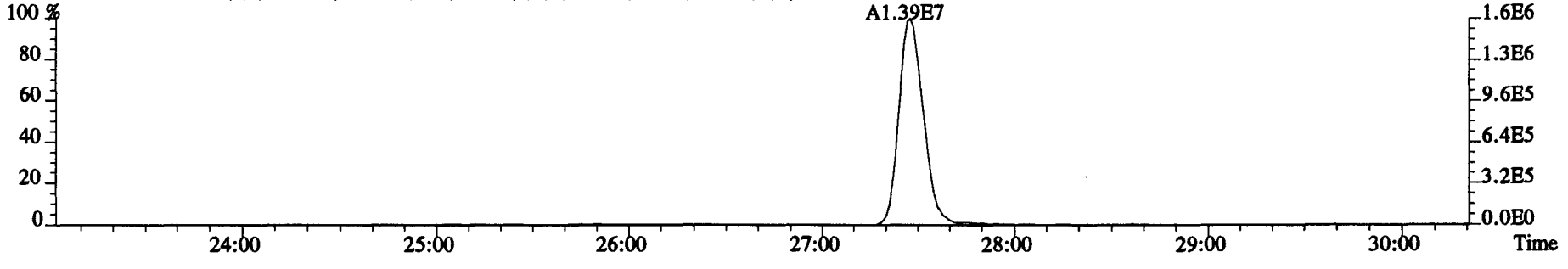
357.8516 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,384.0,1.00%,F,T)



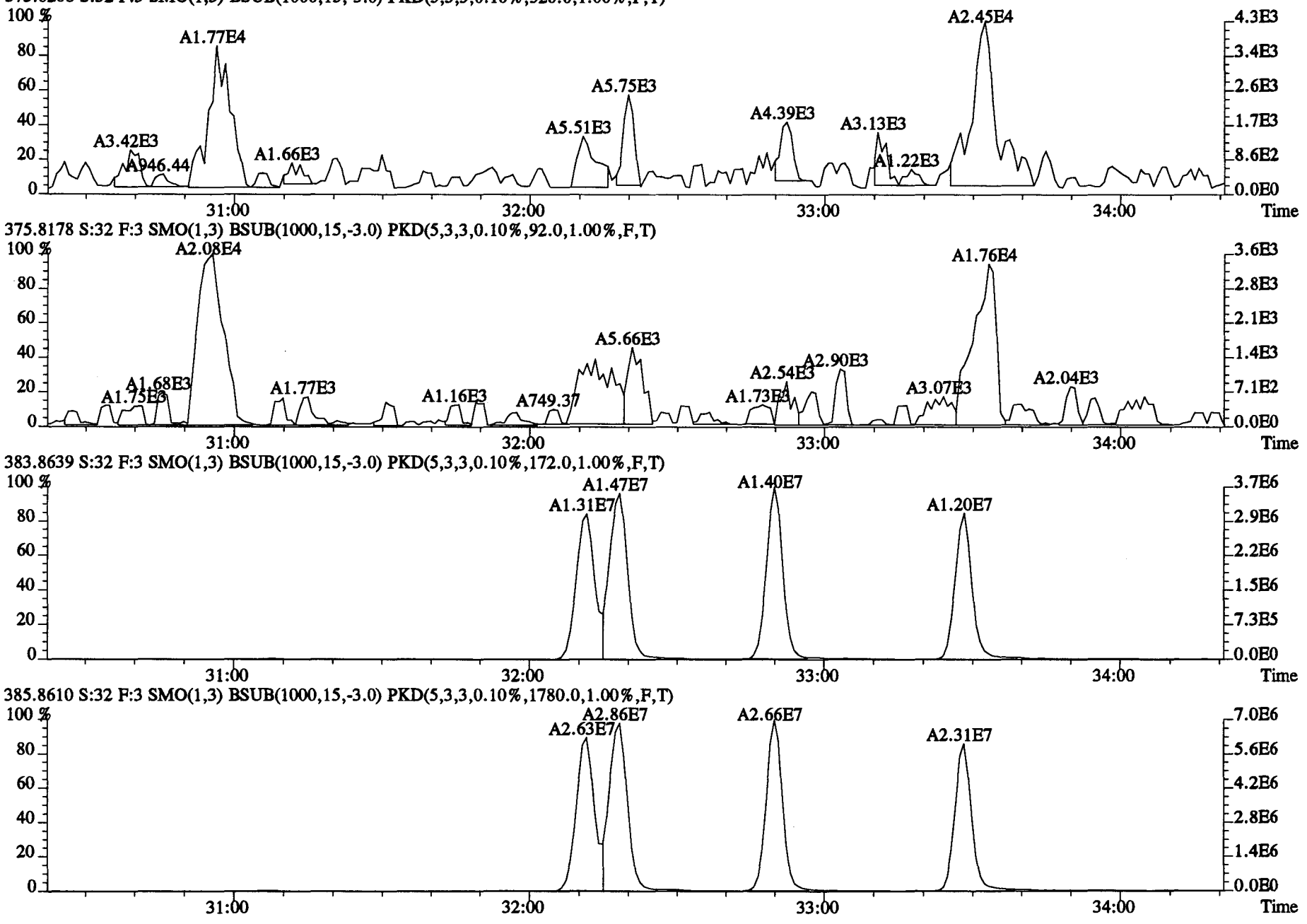
367.8949 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)



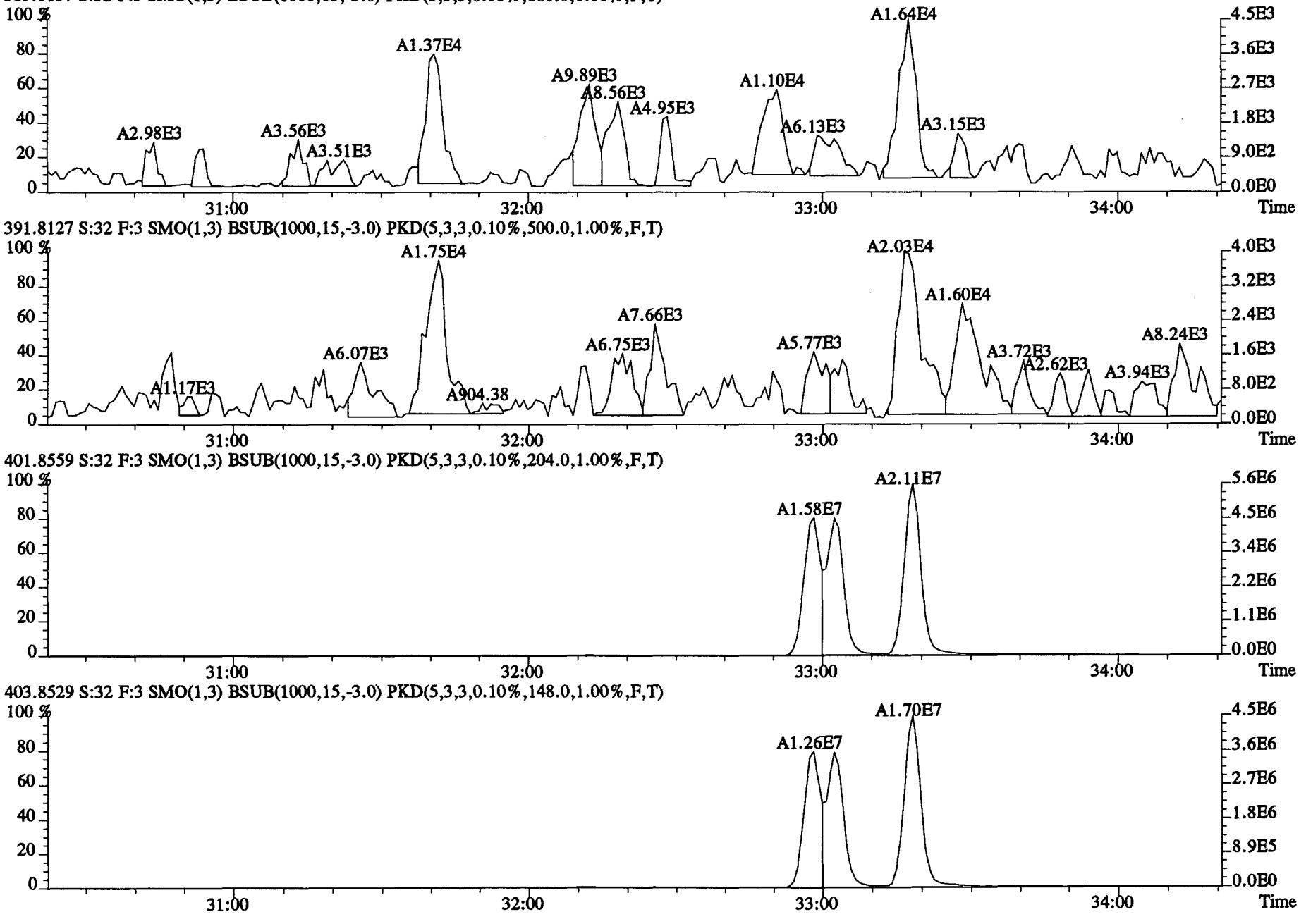
369.8919 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



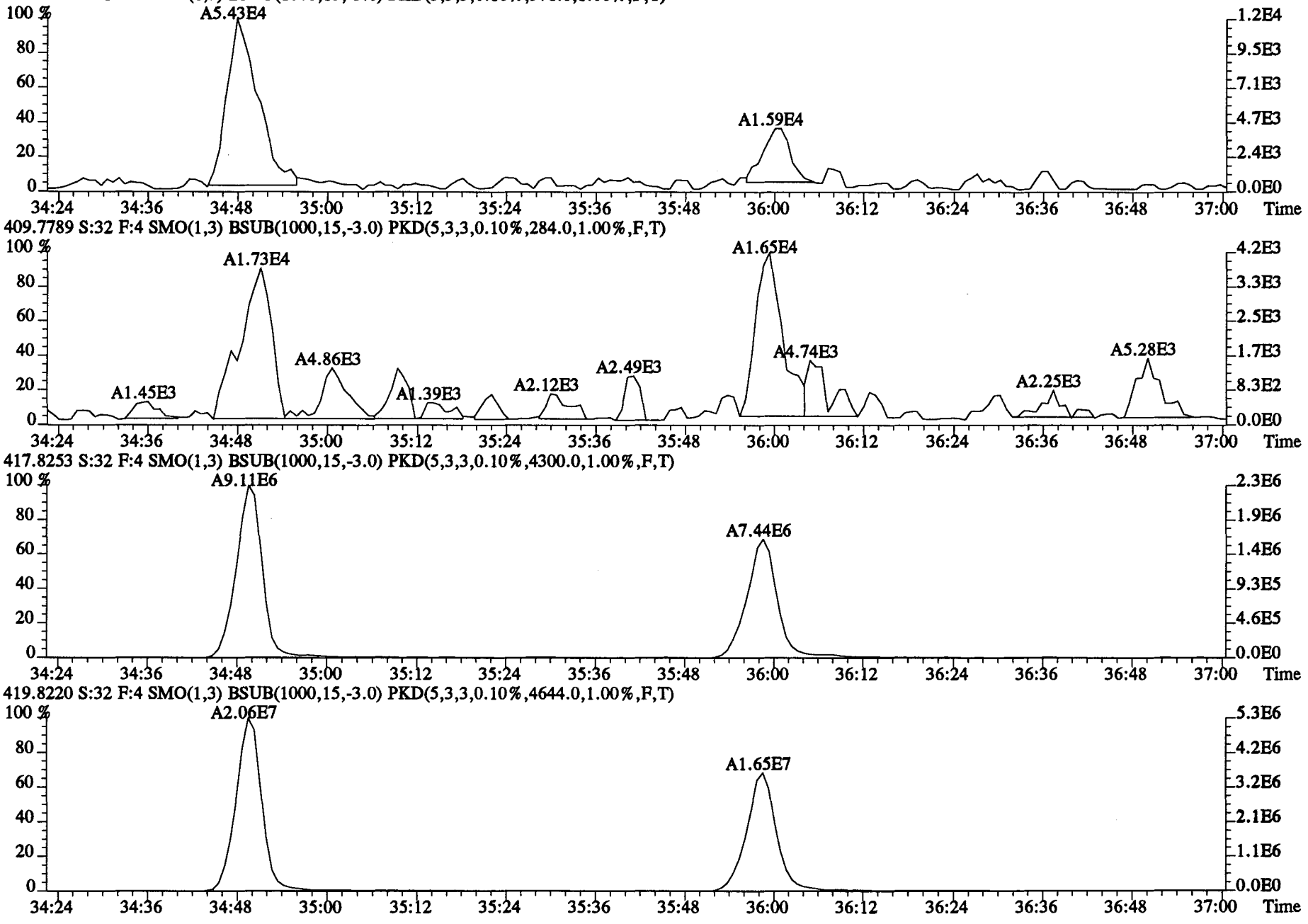
File:30AU104D5 #1-287 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



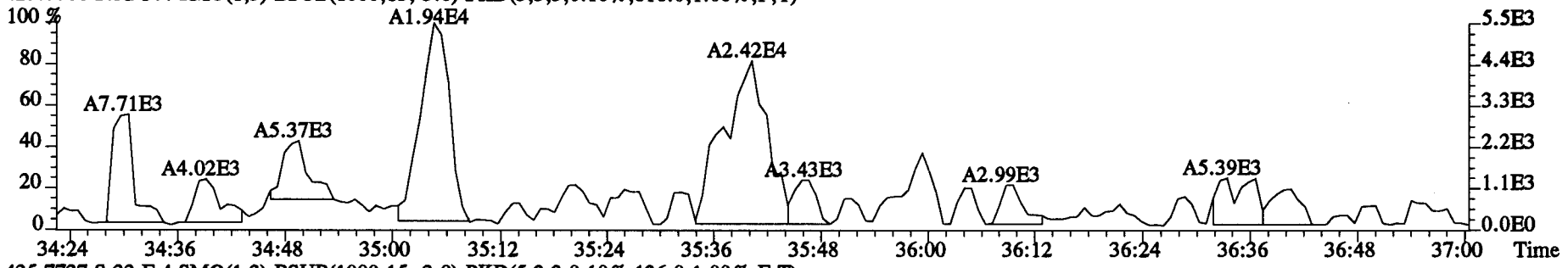
File:30AU104D5 #1-287 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



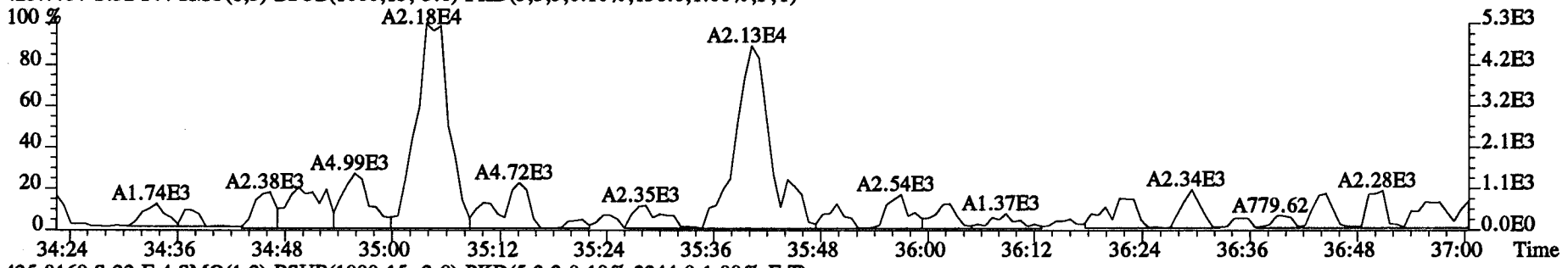
File:30AU104D5 #1-200 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



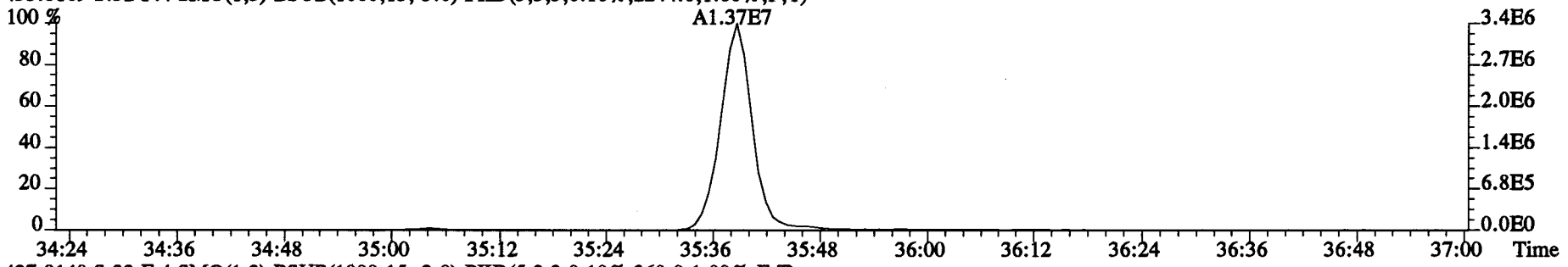
File:30AU104D5 #1-200 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES
423.7766 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,816.0,1.00%,F,T)



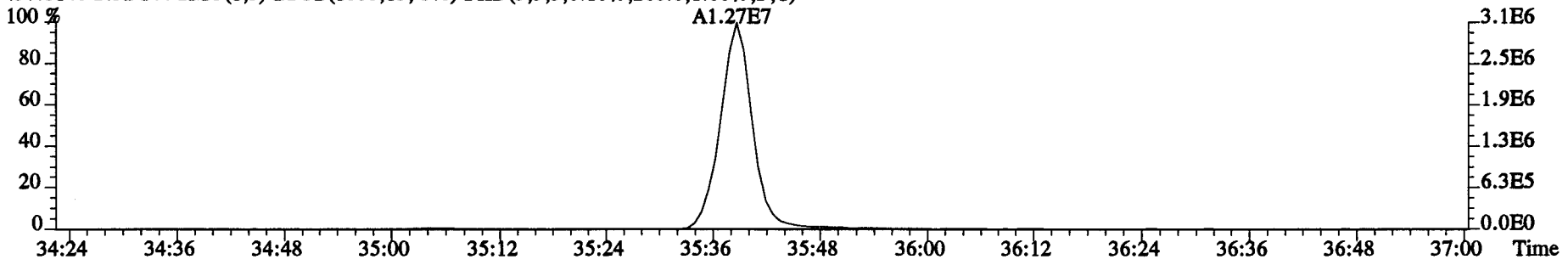
425.7737 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



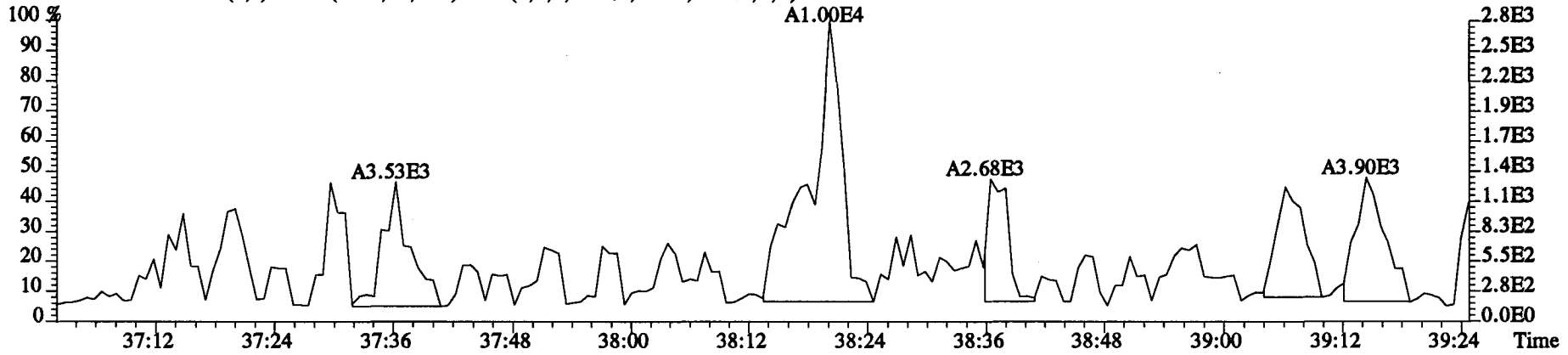
435.8169 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2244.0,1.00%,F,T)



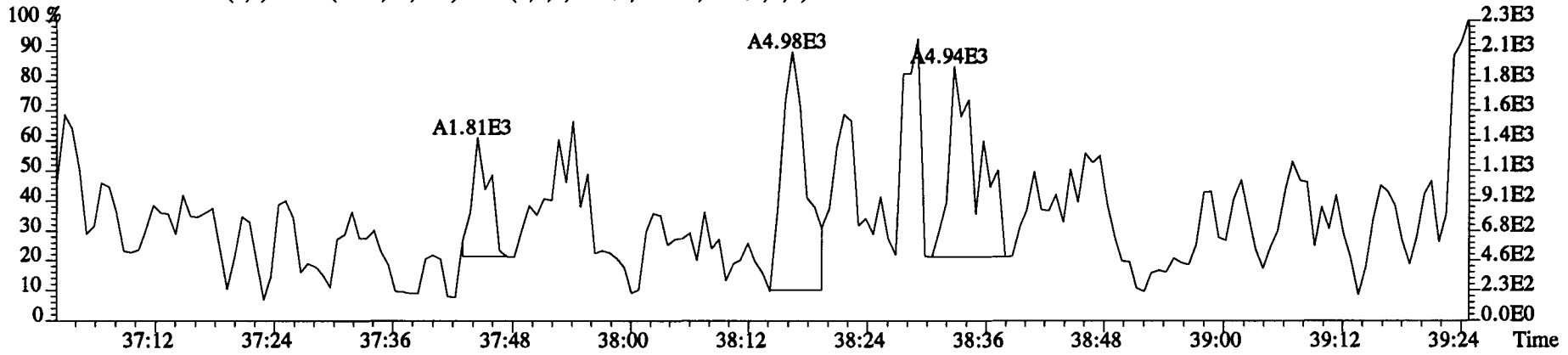
437.8140 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,260.0,1.00%,F,T)



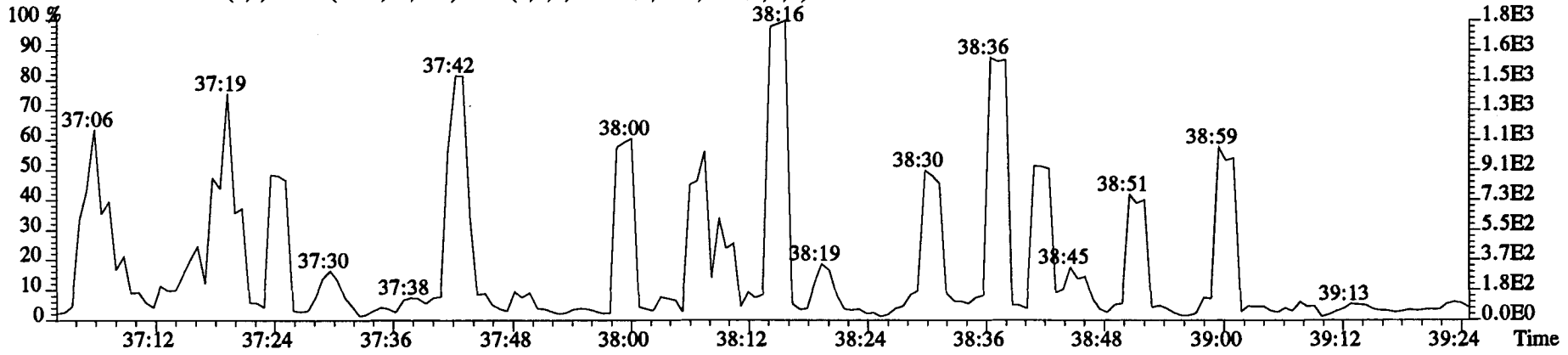
File:30AU104D5 #1-193 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES
441.7428 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,532.0,1.00%,F,T)



443.7399 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)

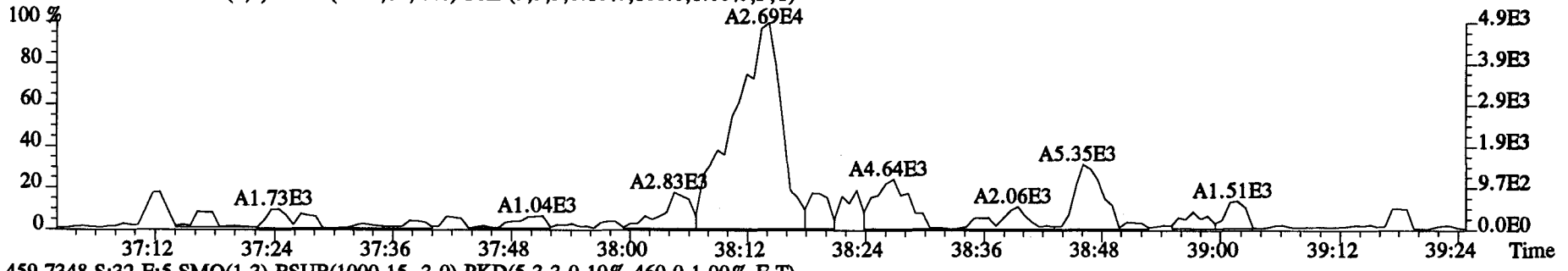


513.6775 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,88.0,1.00%,F,T)

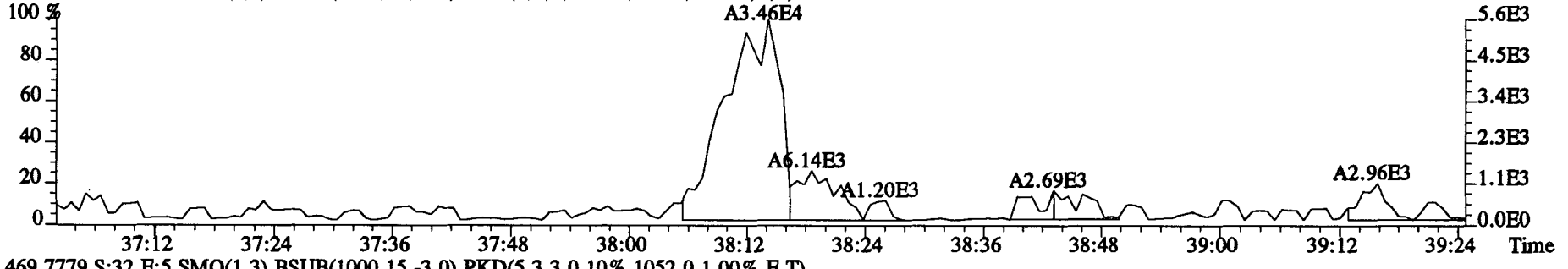


File:30AU104D5 #1-193 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

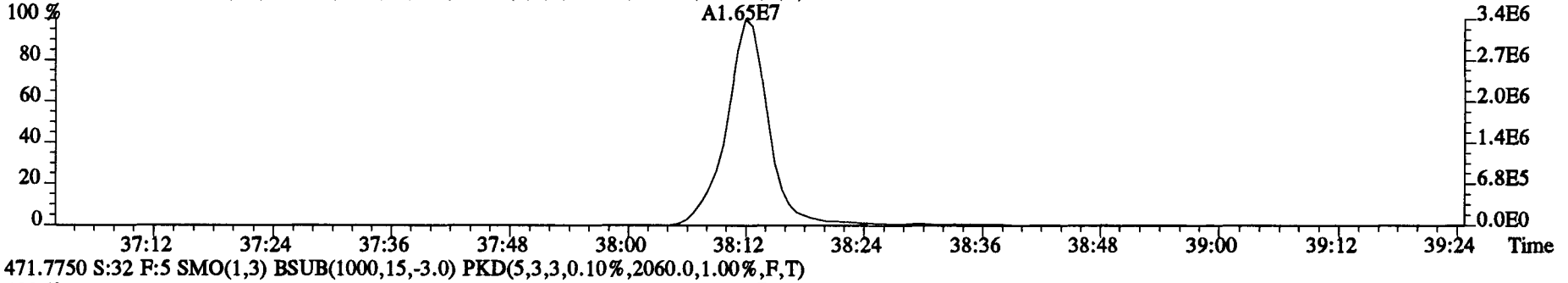
457.7377 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)



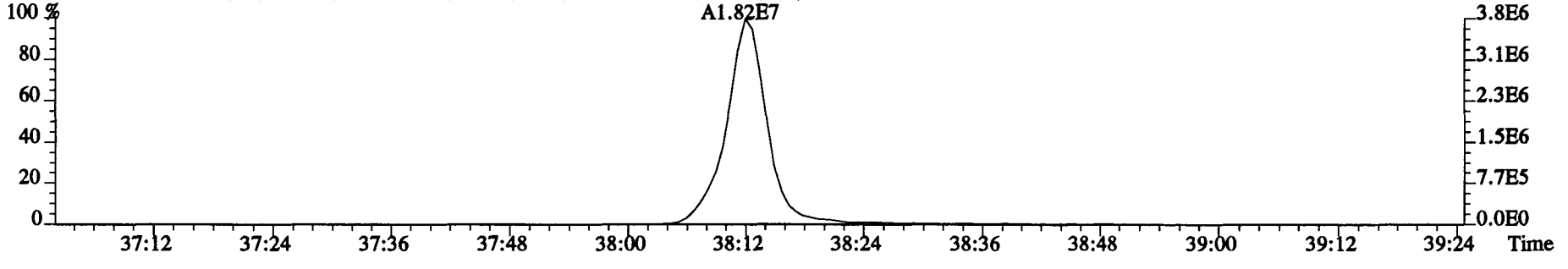
459.7348 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,460.0,1.00%,F,T)



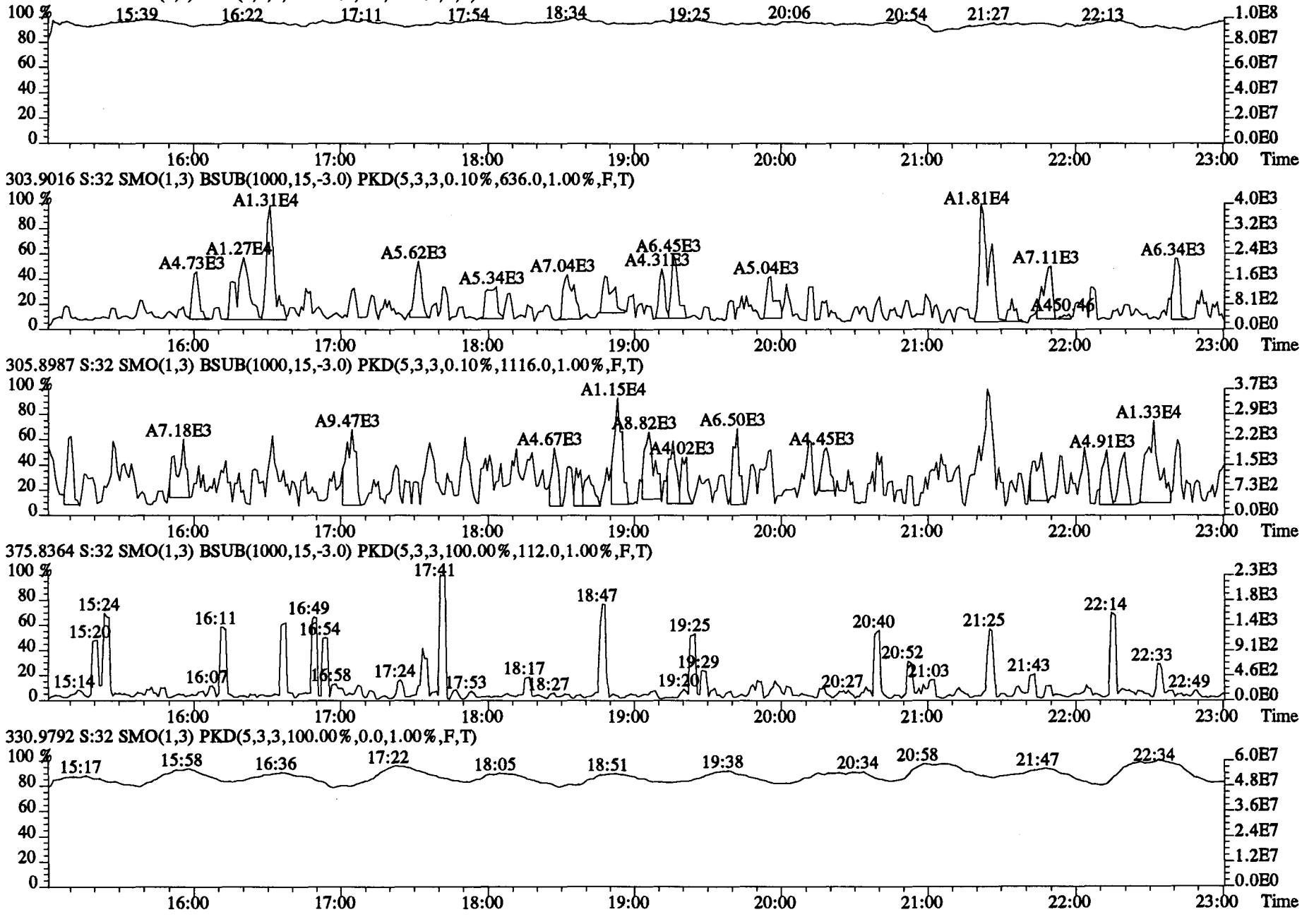
469.7779 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1052.0,1.00%,F,T)



471.7750 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2060.0,1.00%,F,T)

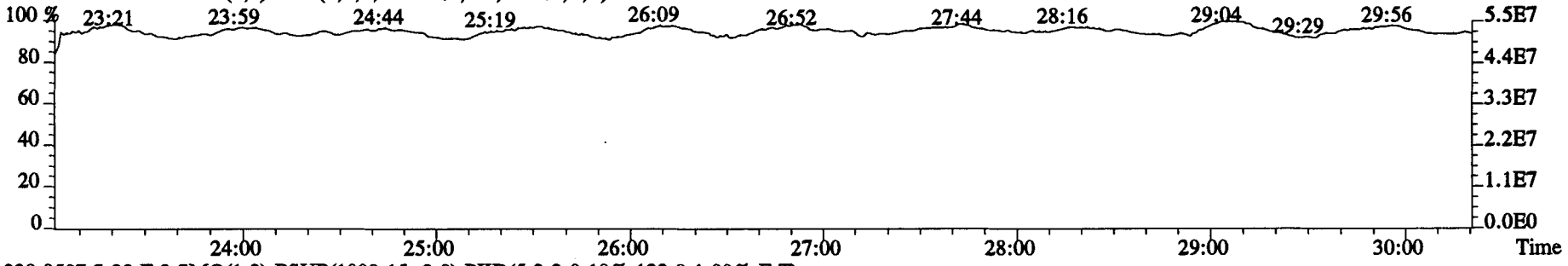


File:30AU104D5 #1-530 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

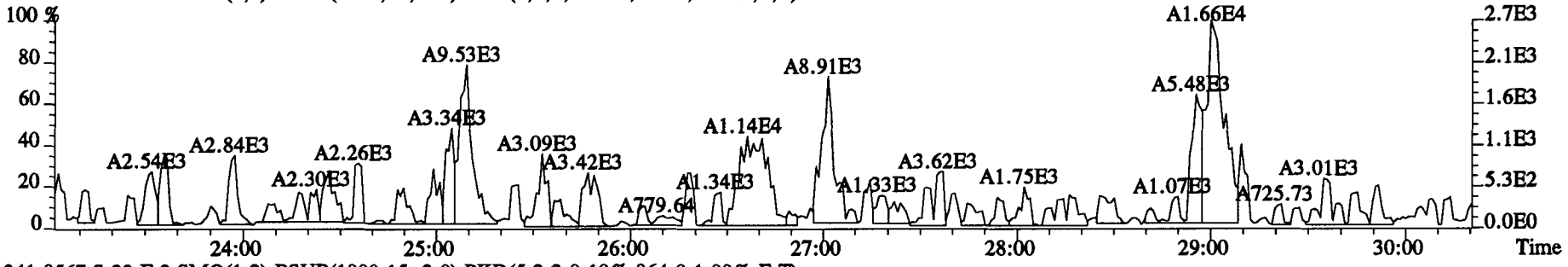


File:30AU104D5 #1-470 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

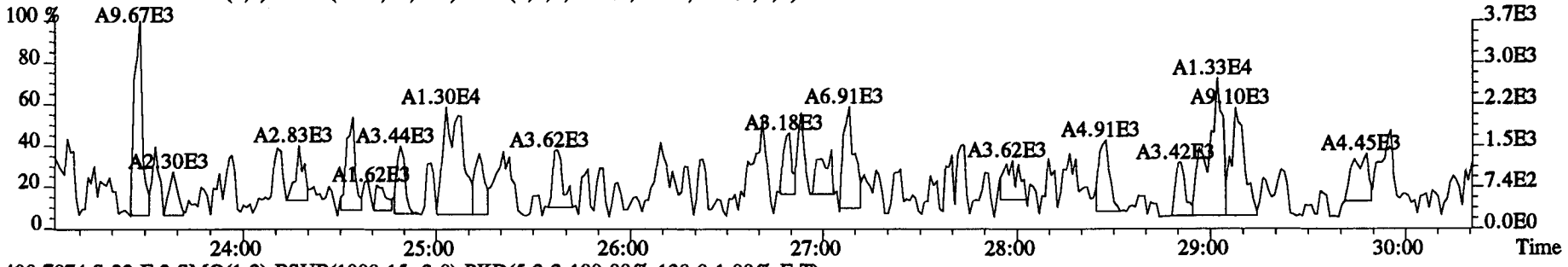
342.9792 S:32 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



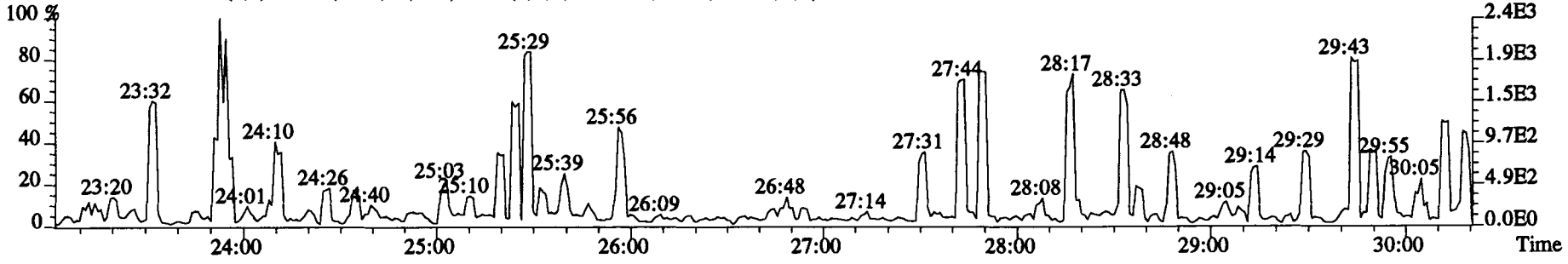
339.8597 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



341.8567 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)

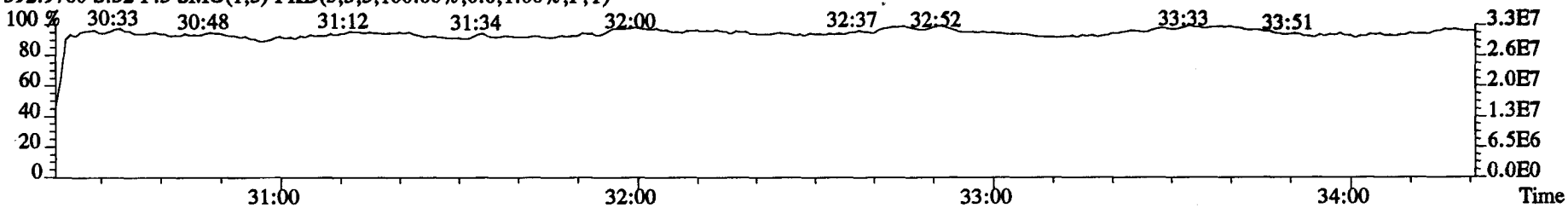


409.7974 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,128.0,1.00%,F,T)

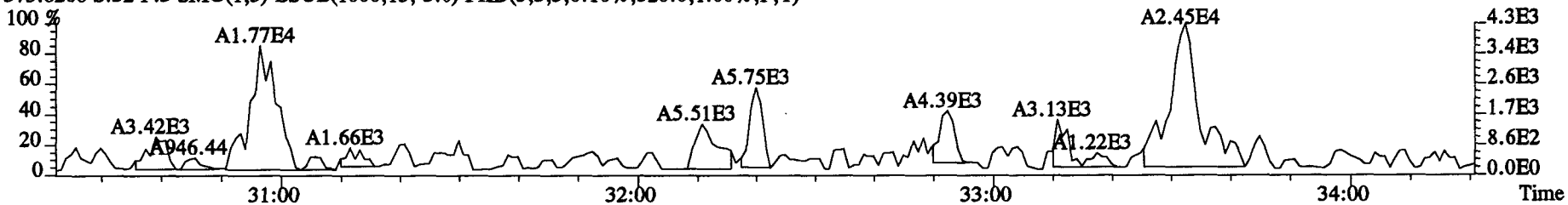


File:30AU104D5 #1-287 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES

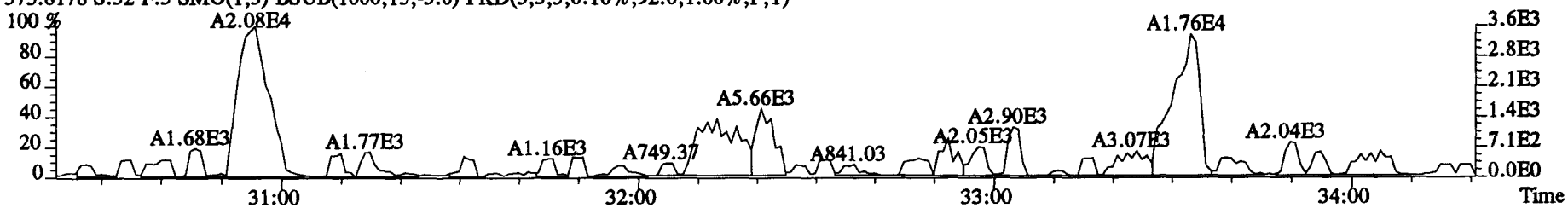
392.9760 S:32 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



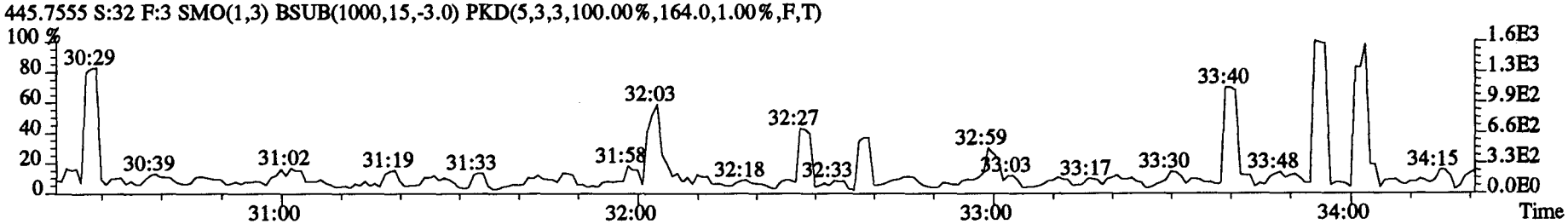
373.8208 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,520.0,1.00%,F,T)



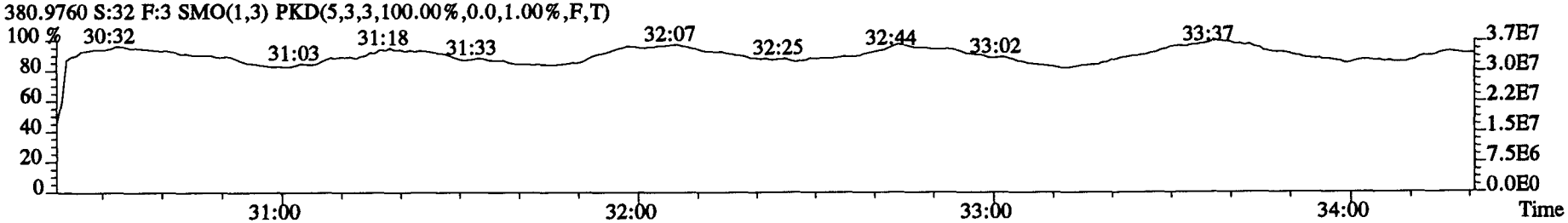
375.8178 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)



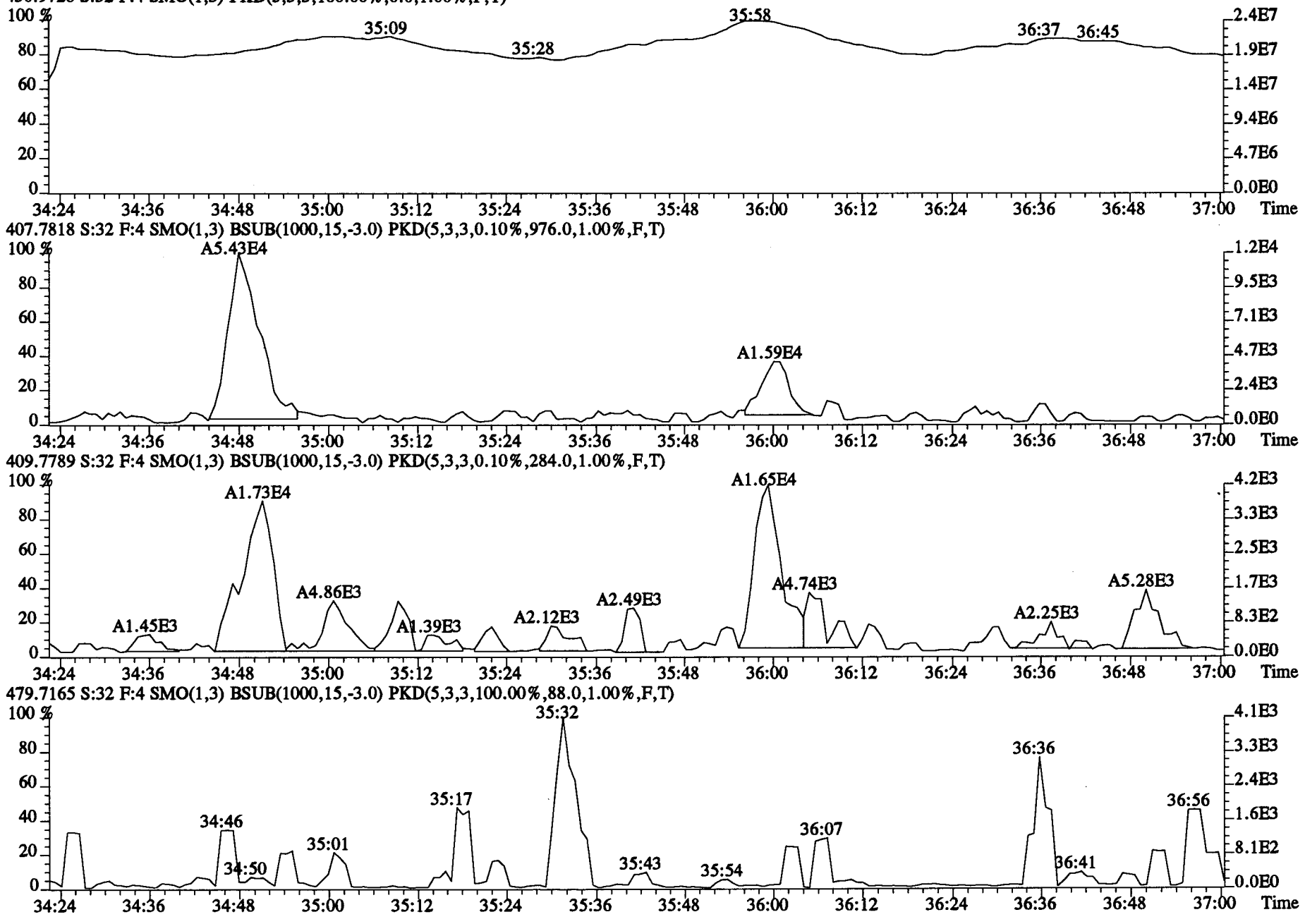
445.7555 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,164.0,1.00%,F,T)



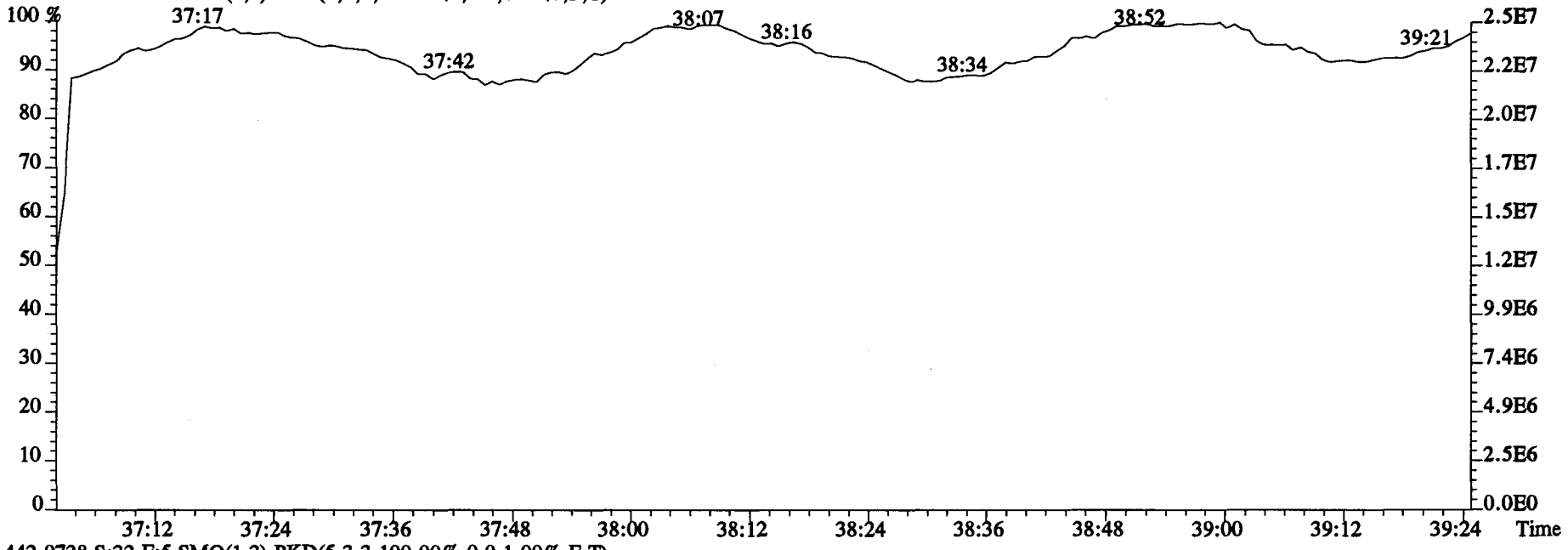
380.9760 S:32 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



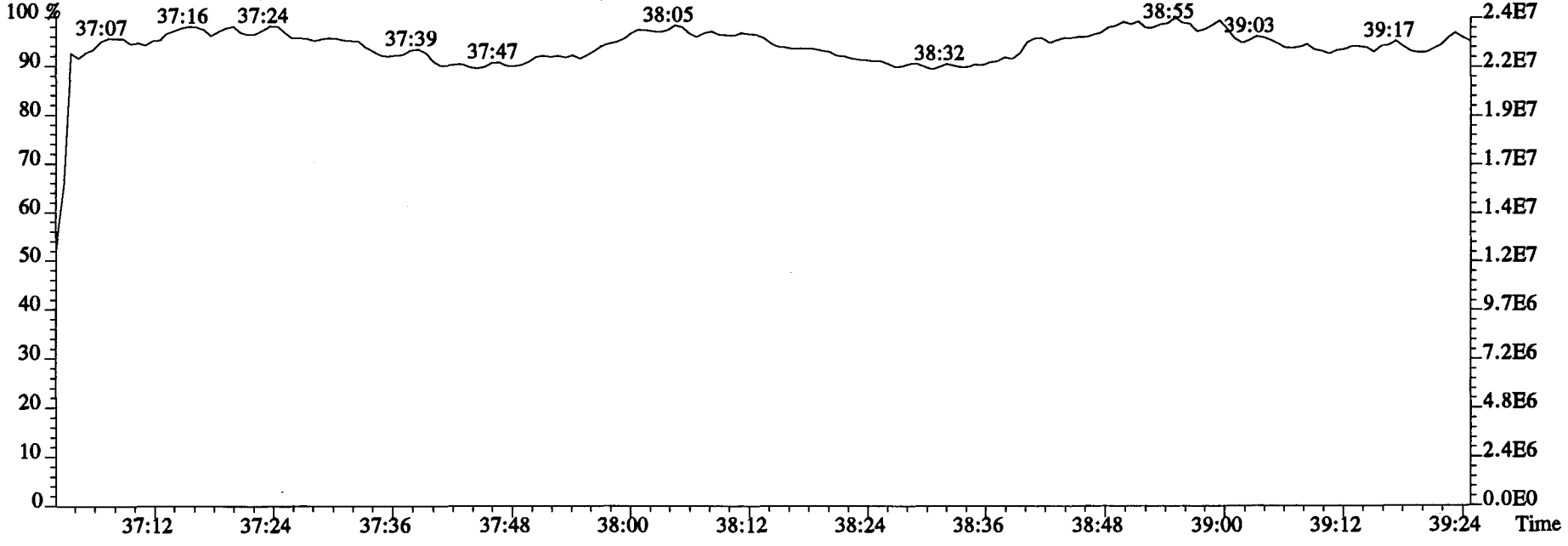
File:30AU104D5 #1-200 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES



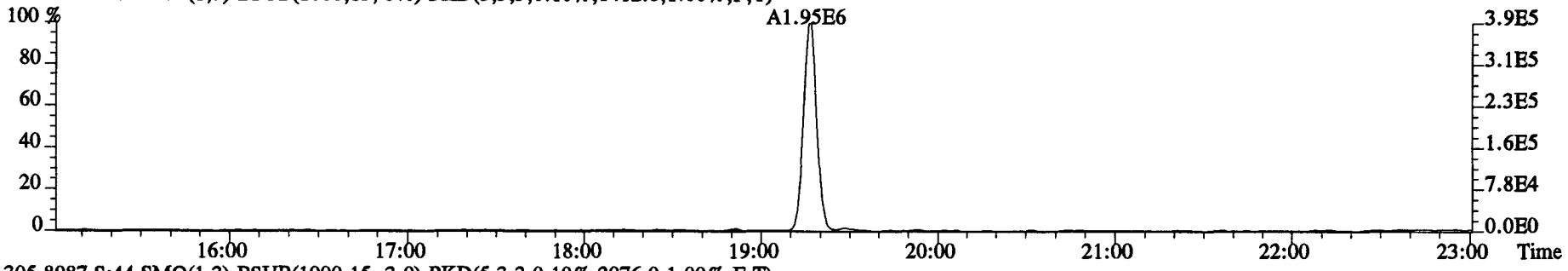
File:30AU104D5 #1-193 Acq:31-AUG-2010 08:46:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:L568A-1-AA :G0H260533-1MB Exp:DIOXINRES
454.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



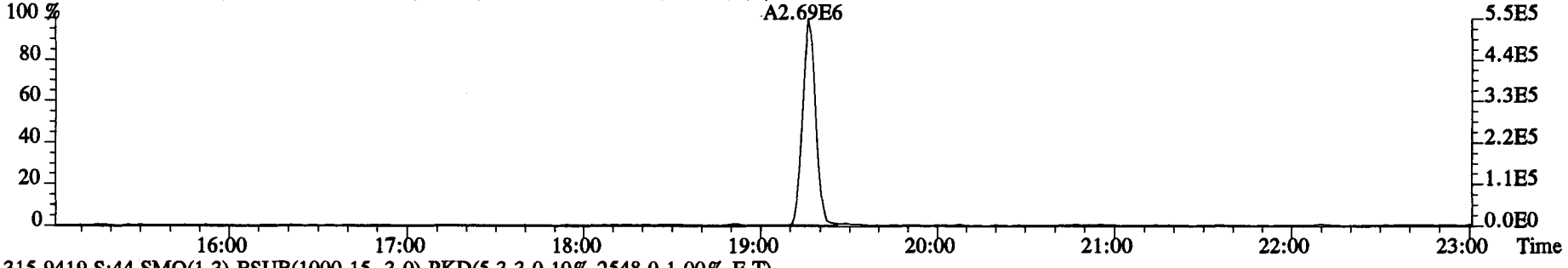
442.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



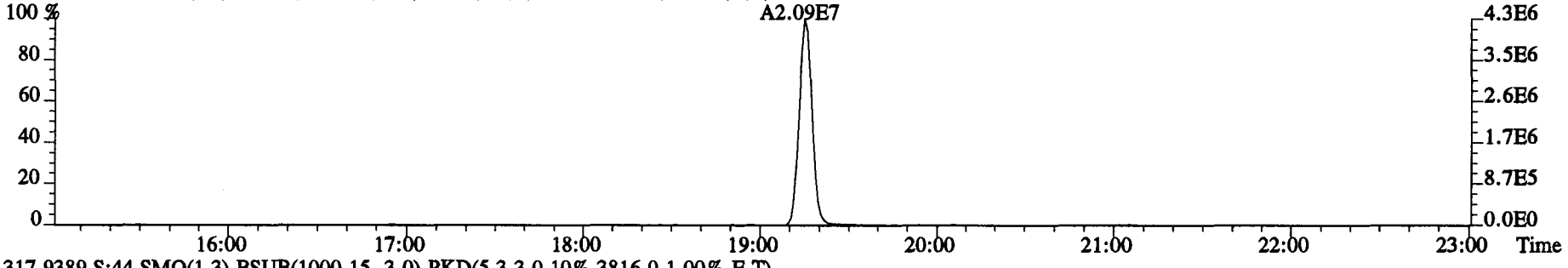
File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
303.9016 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1412.0,1.00%,F,T)



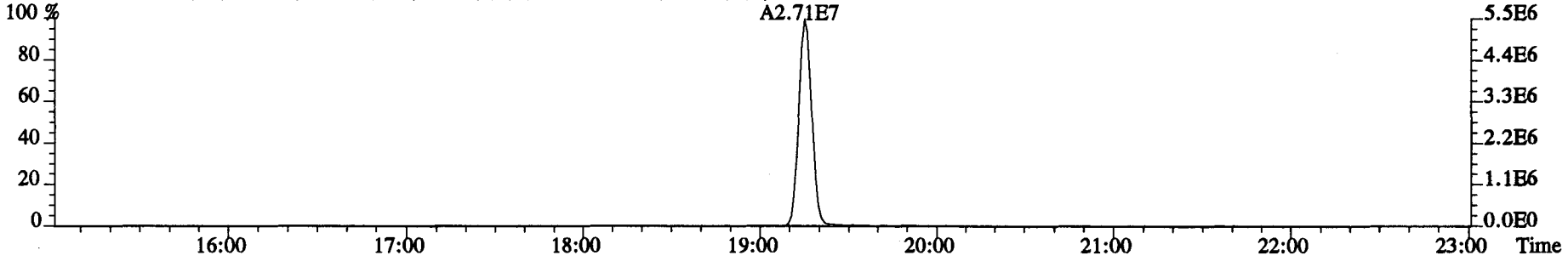
305.8987 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2076.0,1.00%,F,T)



315.9419 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2548.0,1.00%,F,T)

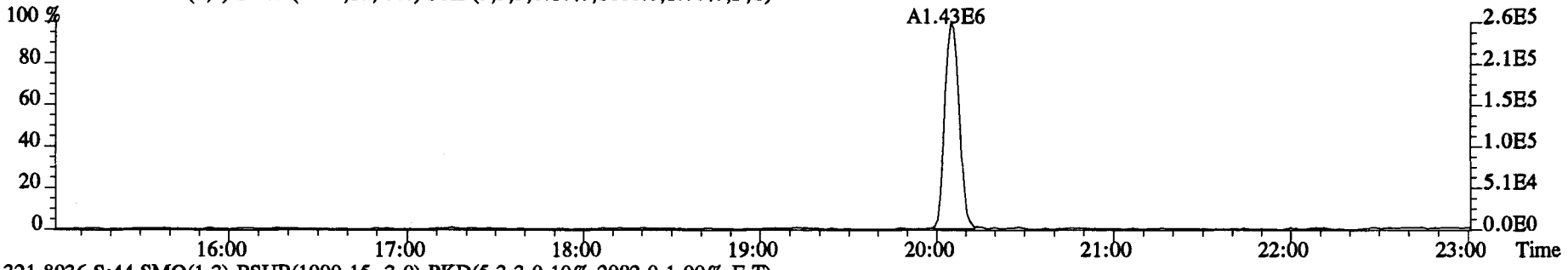


317.9389 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3816.0,1.00%,F,T)

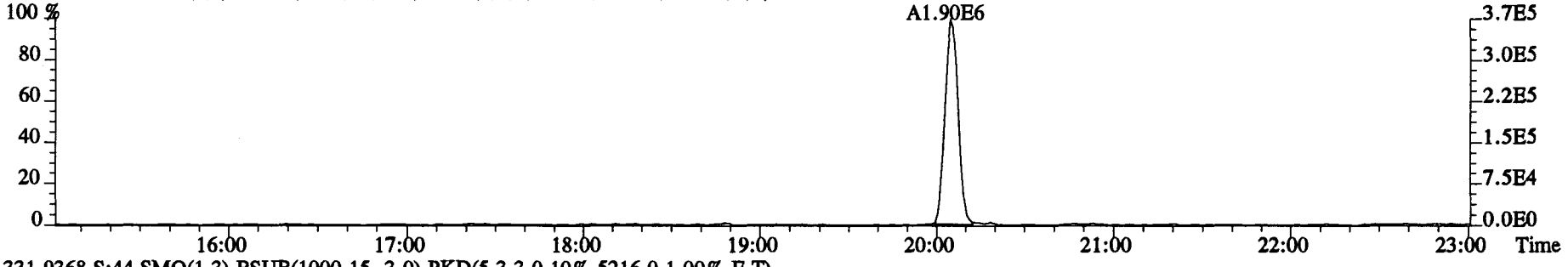


File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

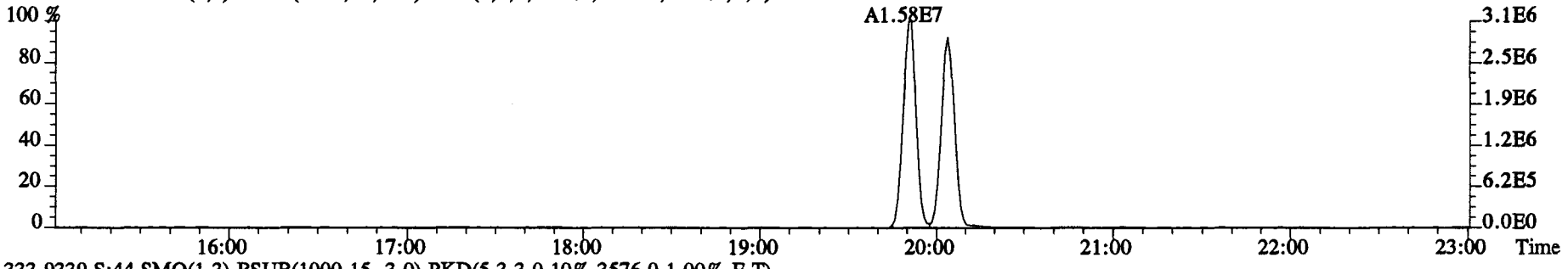
319.8965 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



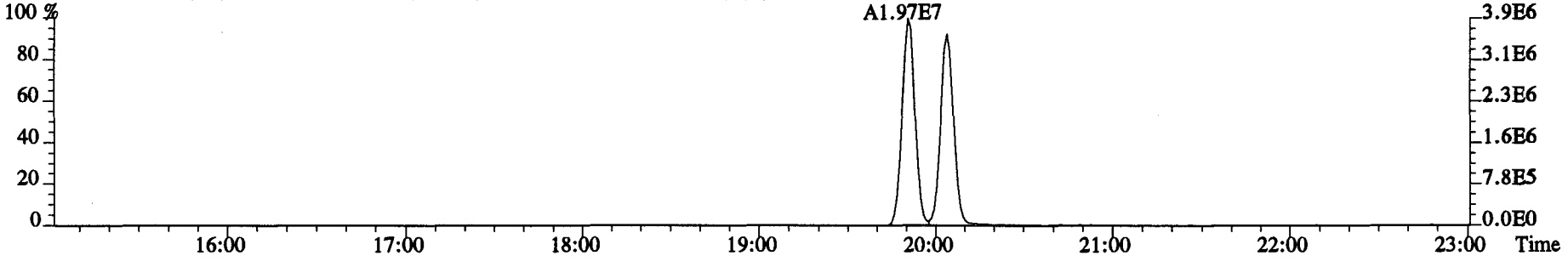
321.8936 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2092.0,1.00%,F,T)



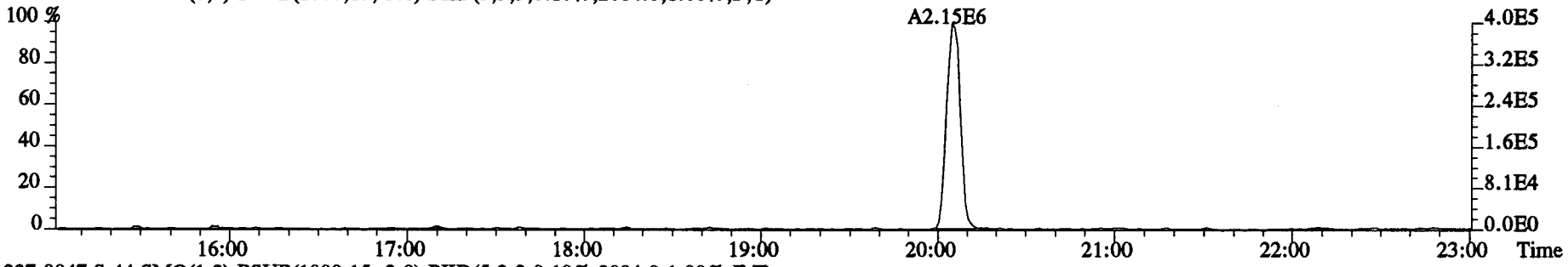
331.9368 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5216.0,1.00%,F,T)



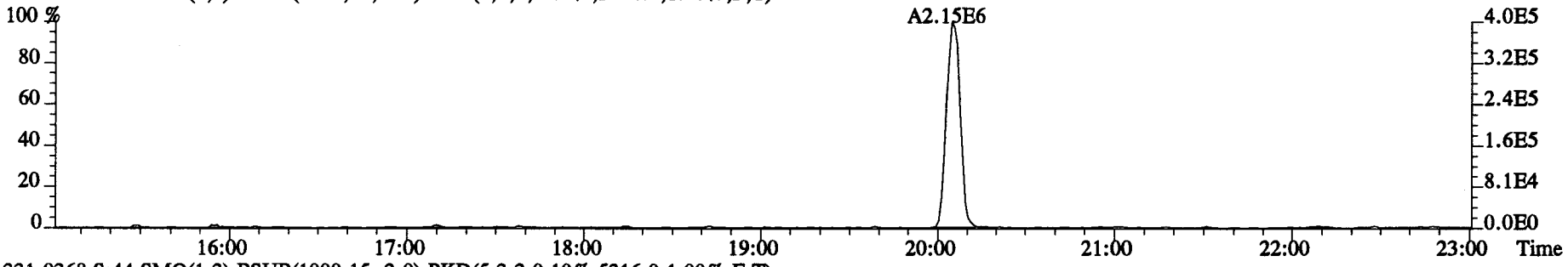
333.9339 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)



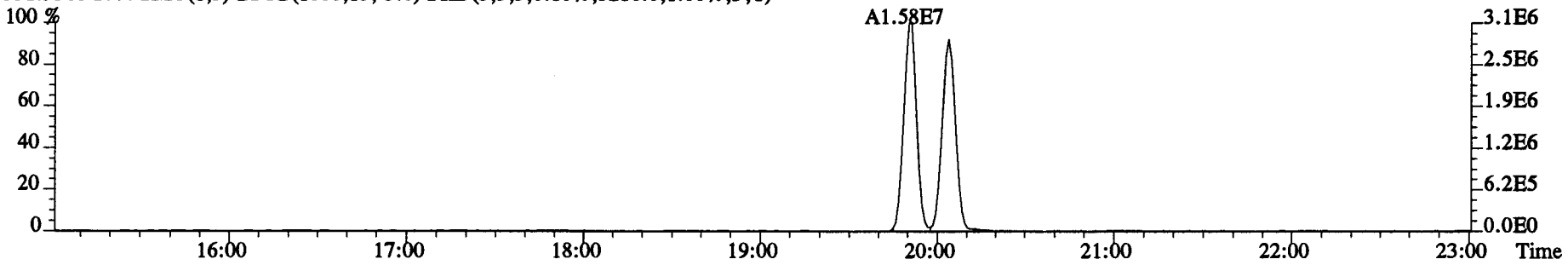
File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
327.8847 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



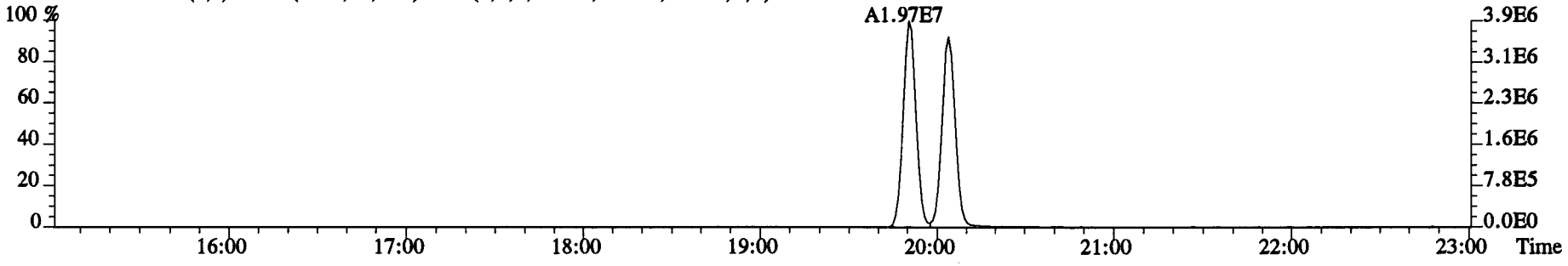
327.8847 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



331.9368 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5216.0,1.00%,F,T)

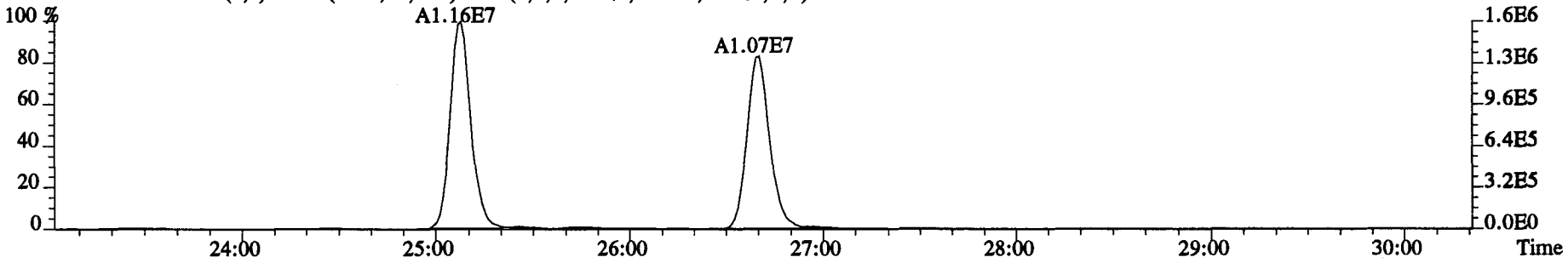


333.9339 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)

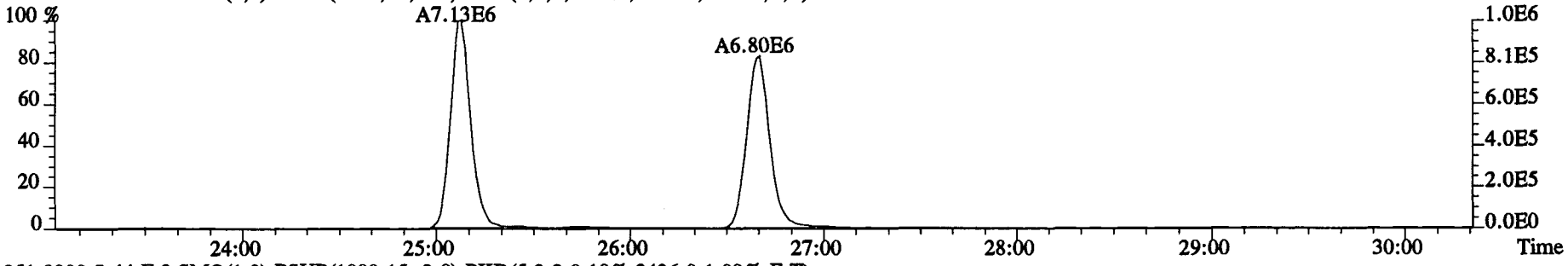


File:30AU104D5 #1-470 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

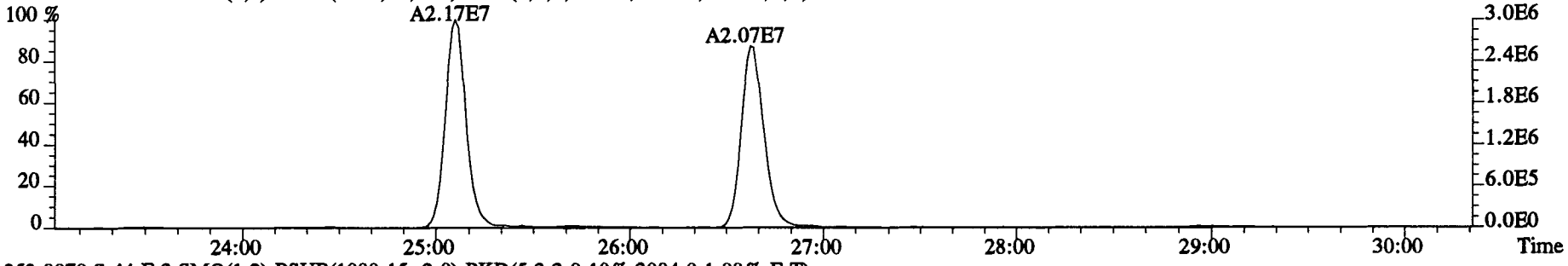
339.8597 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1152.0,1.00%,F,T)



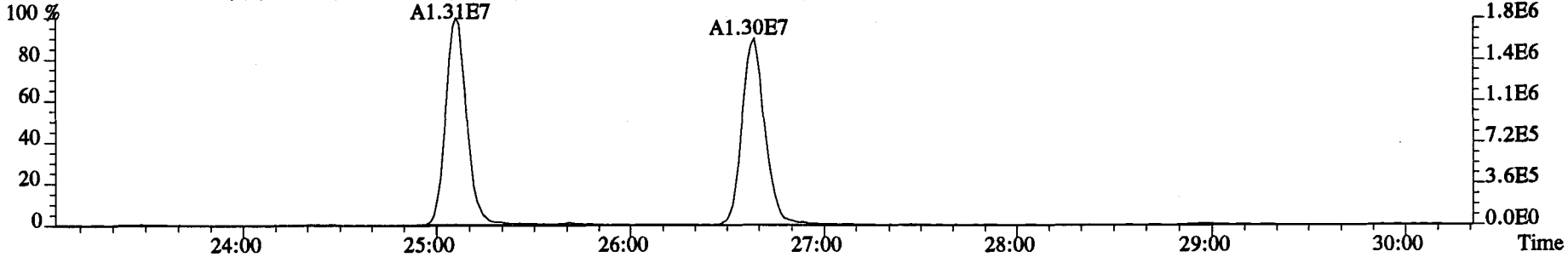
341.8567 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2580.0,1.00%,F,T)



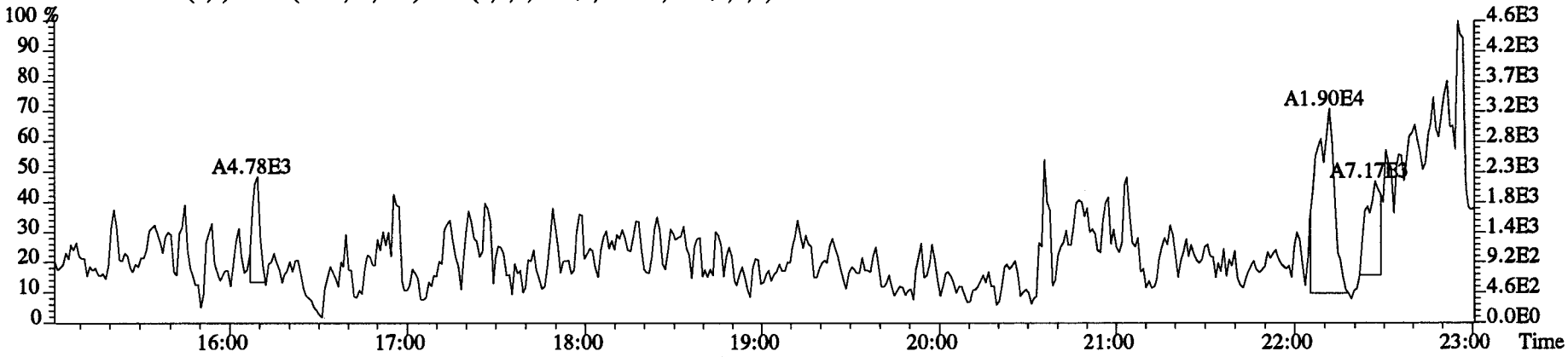
351.9000 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2436.0,1.00%,F,T)



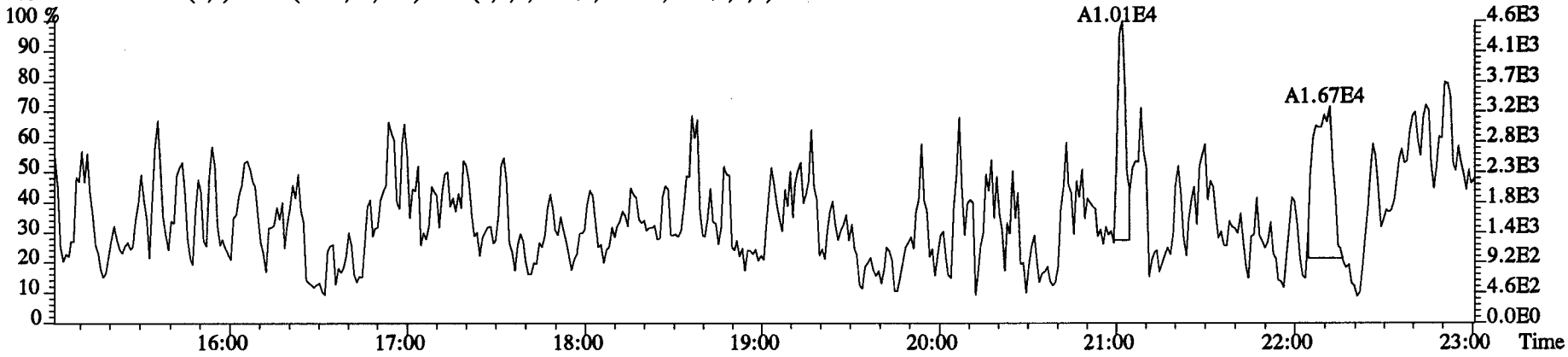
353.8970 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084.0,1.00%,F,T)



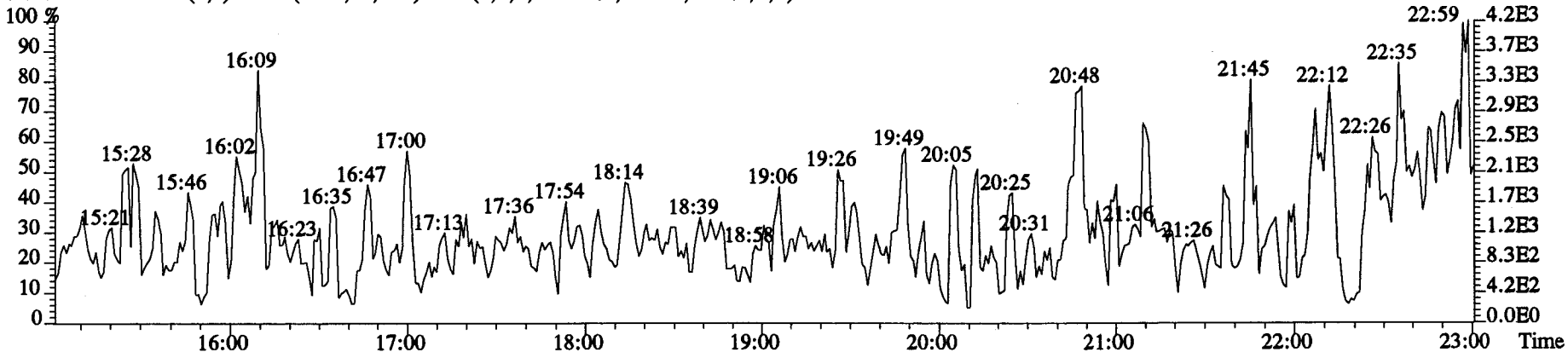
File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
339.8597 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1172.0,1.00%,F,T)



341.8567 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)

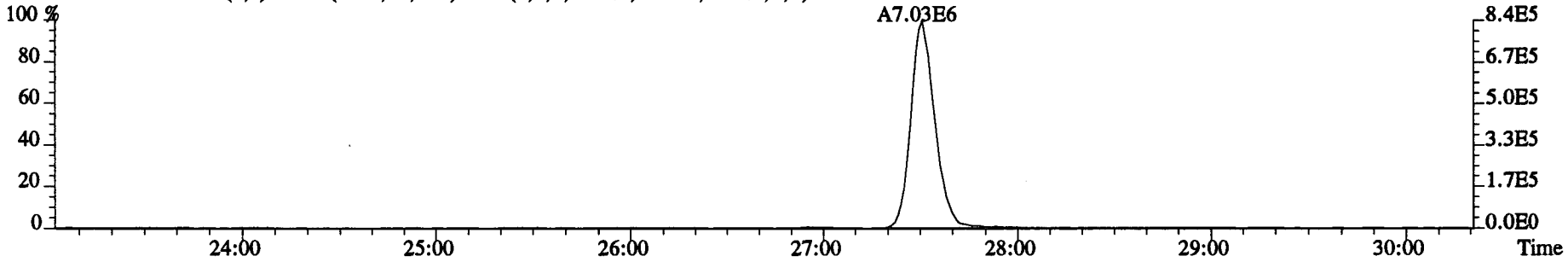


409.7974 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)

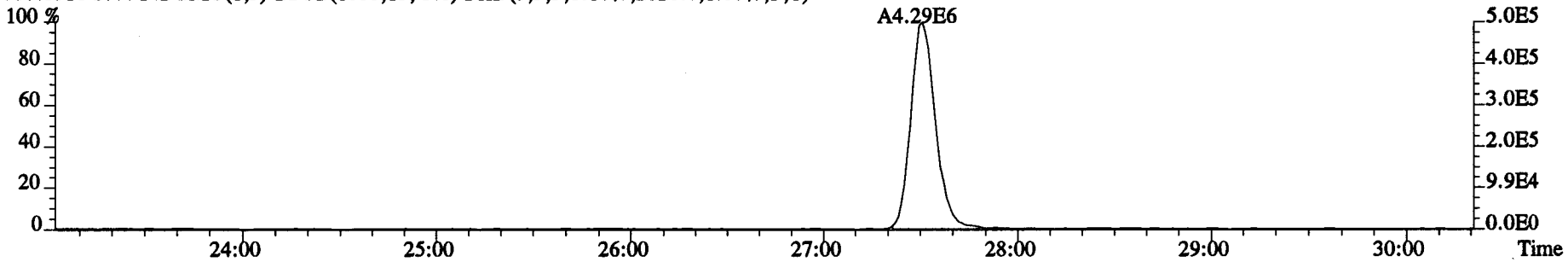


File:30AU104D5 #1-470 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

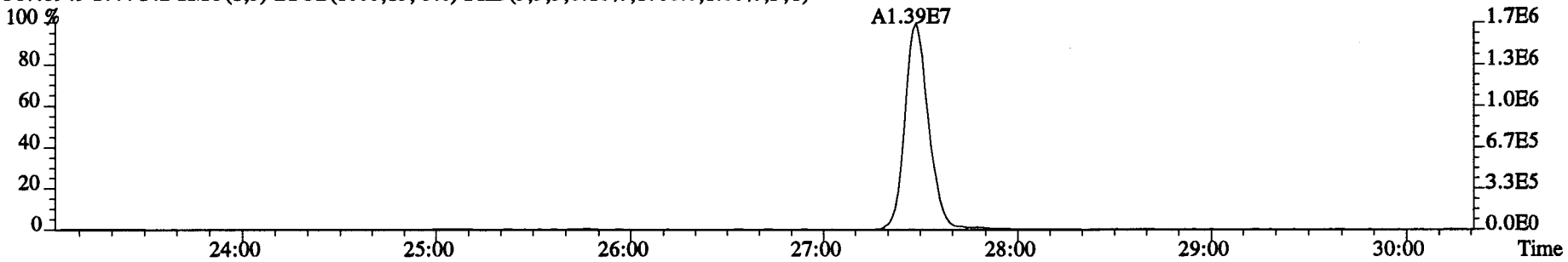
355.8546 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



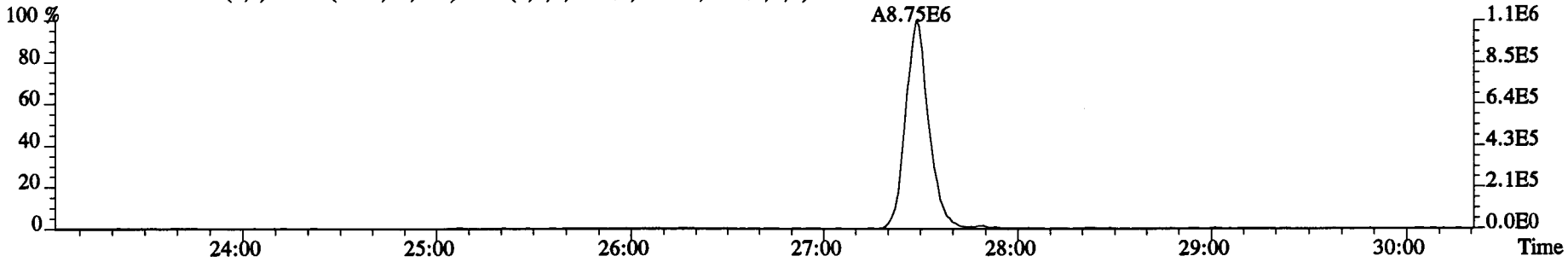
357.8516 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2128.0,1.00%,F,T)



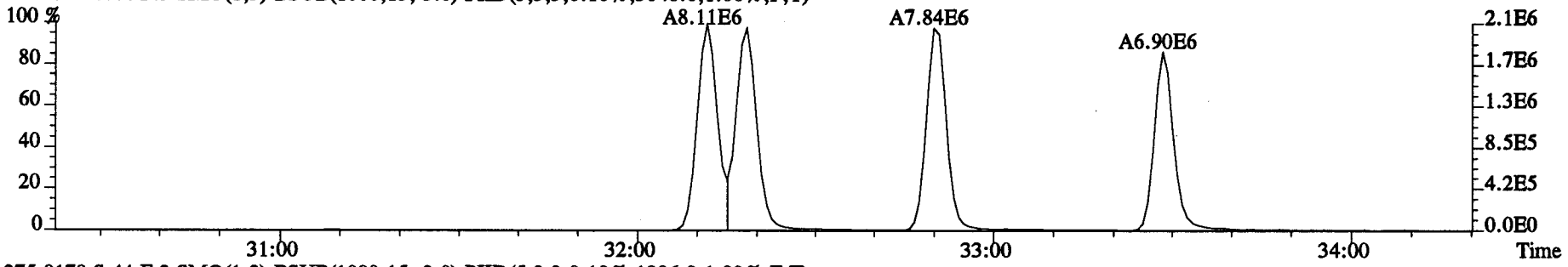
367.8949 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



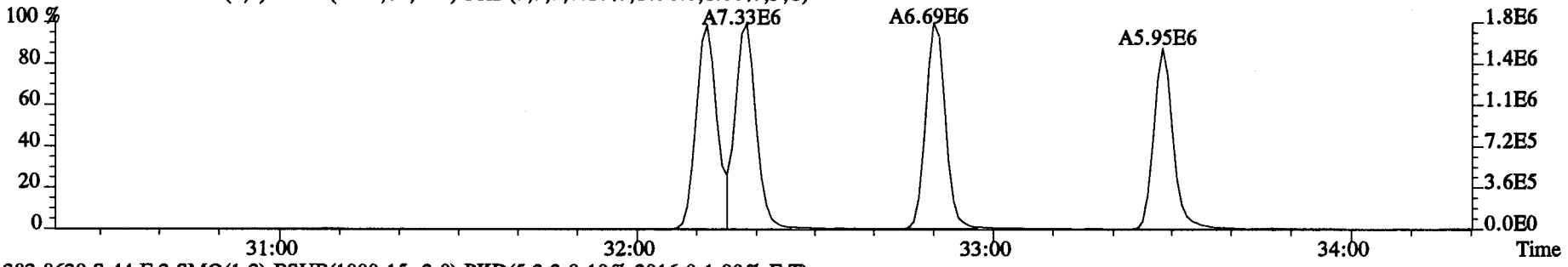
369.8919 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)



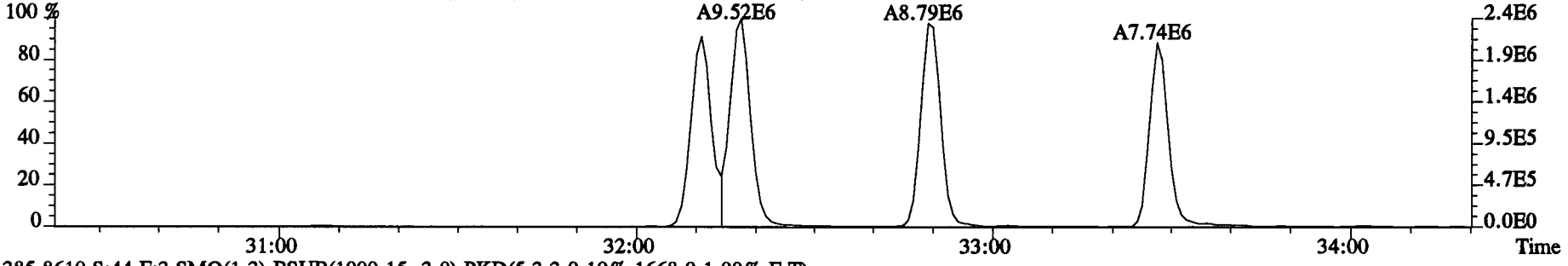
File:30AU104D5 #1-286 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
373.8208 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3048.0,1.00%,F,T)



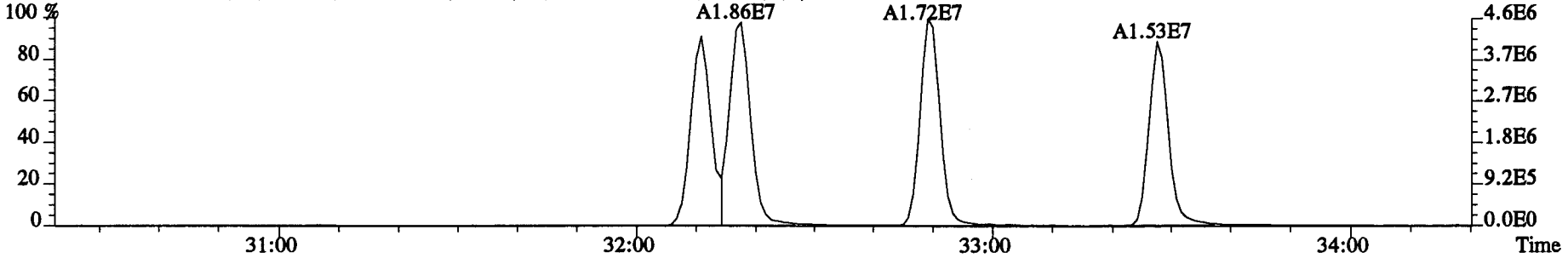
375.8178 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)



383.8639 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2016.0,1.00%,F,T)

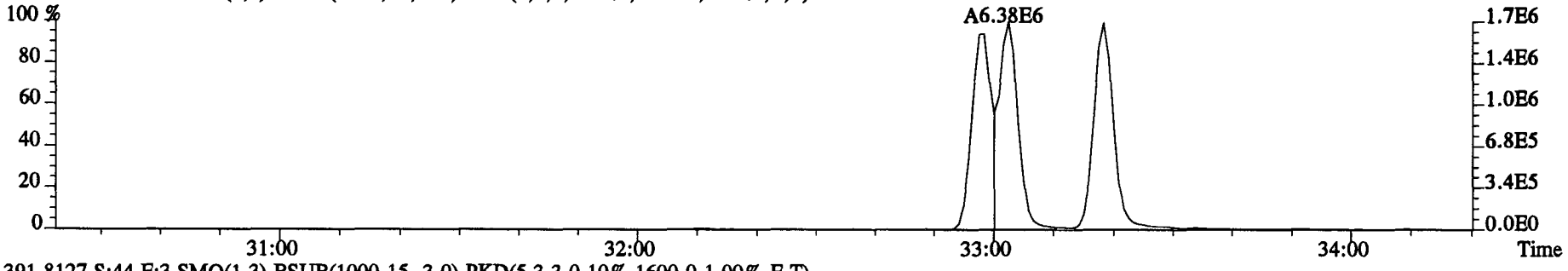


385.8610 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1668.0,1.00%,F,T)

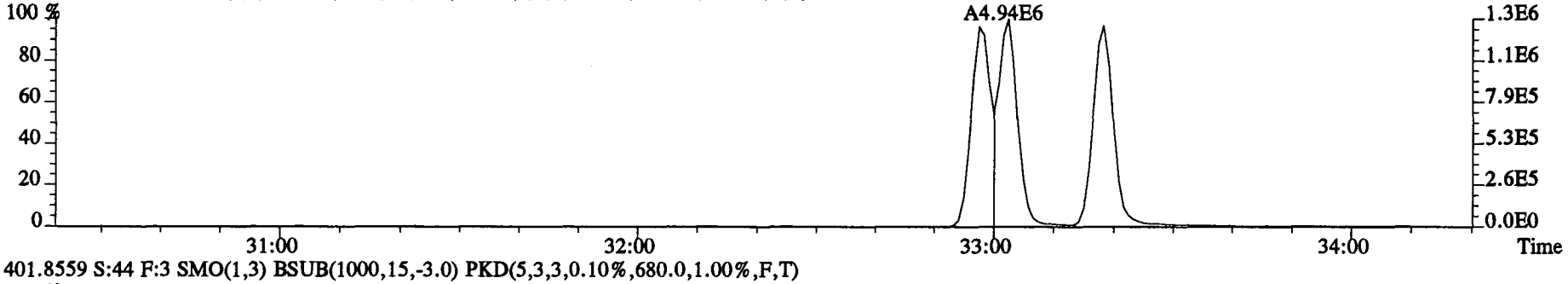


File:30AU104D5 #1-286 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

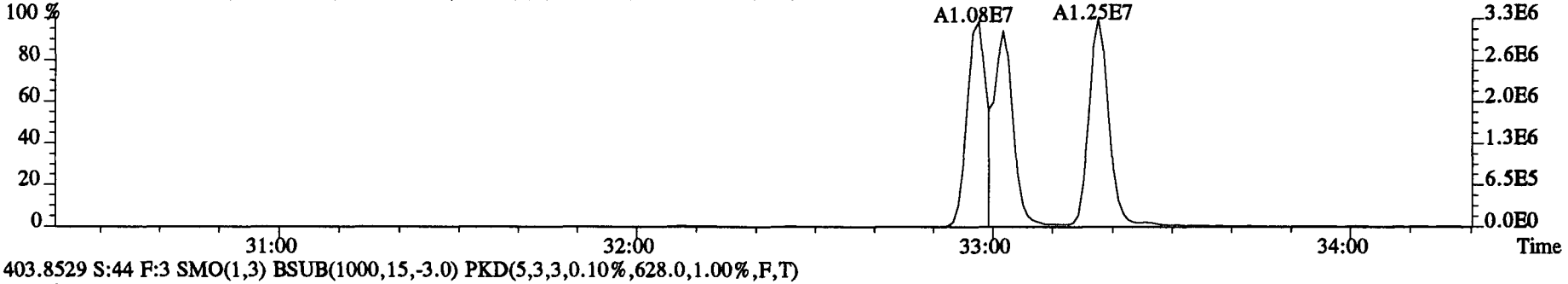
389.8157 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



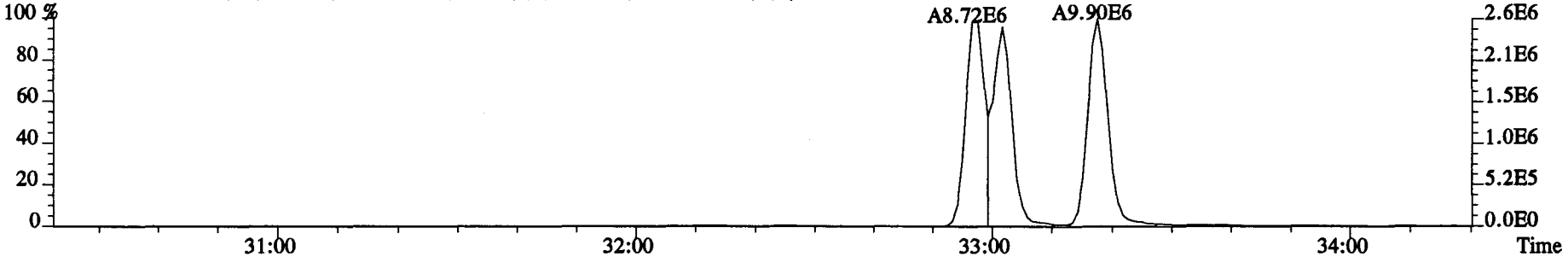
391.8127 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1600.0,1.00%,F,T)



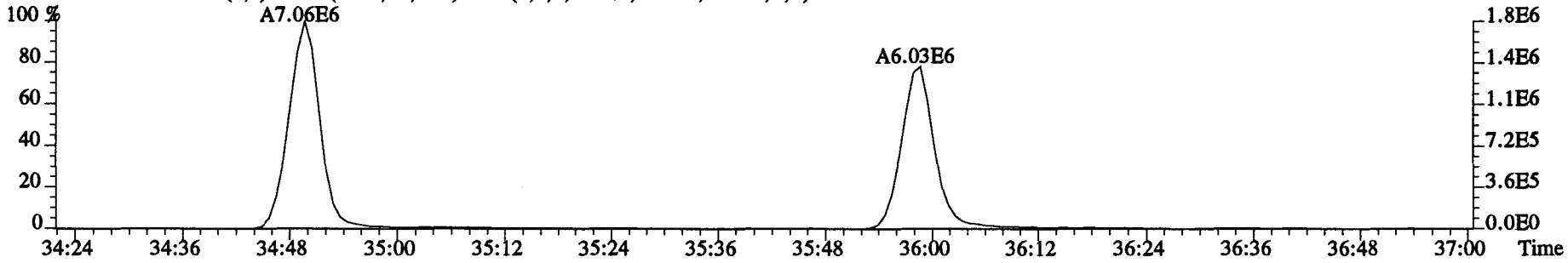
401.8559 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)

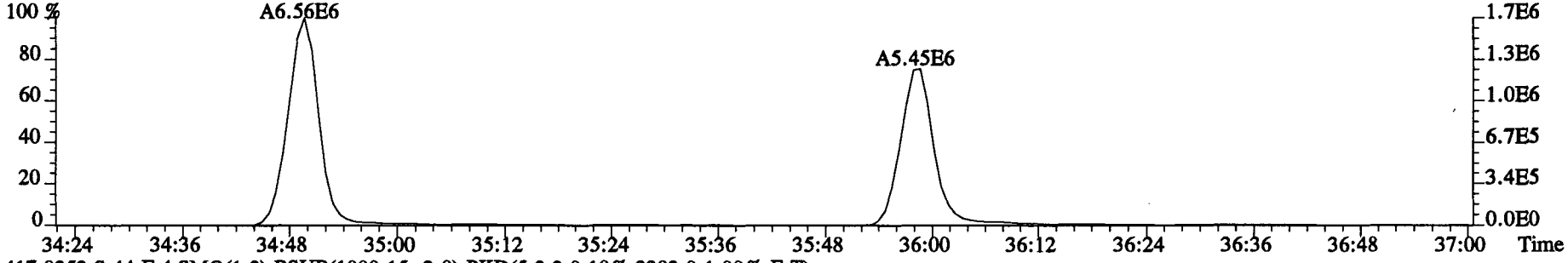


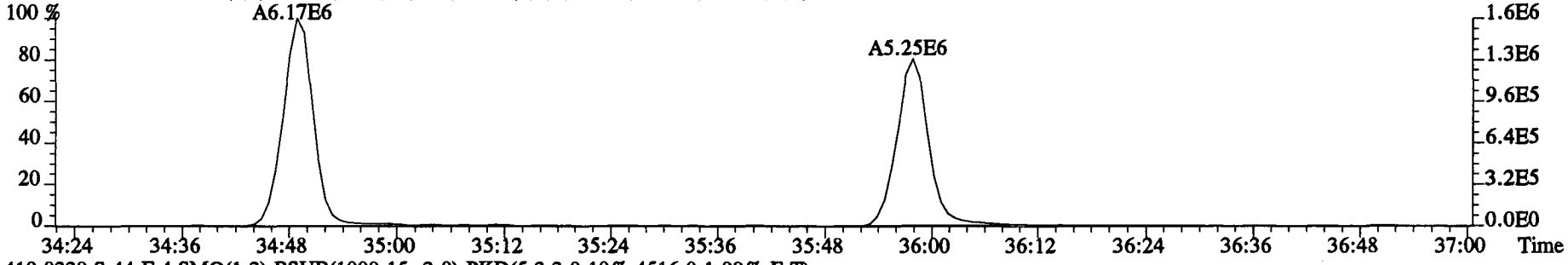
403.8529 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628.0,1.00%,F,T)

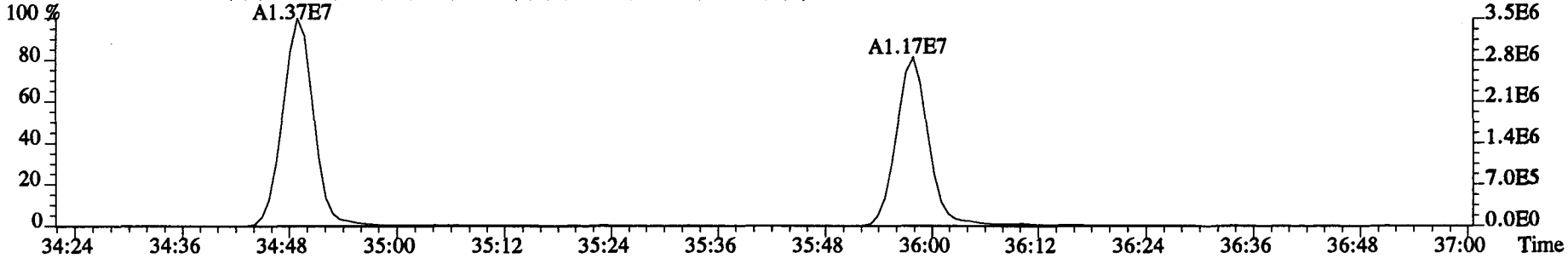


File:30AU104D5 #1-201 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

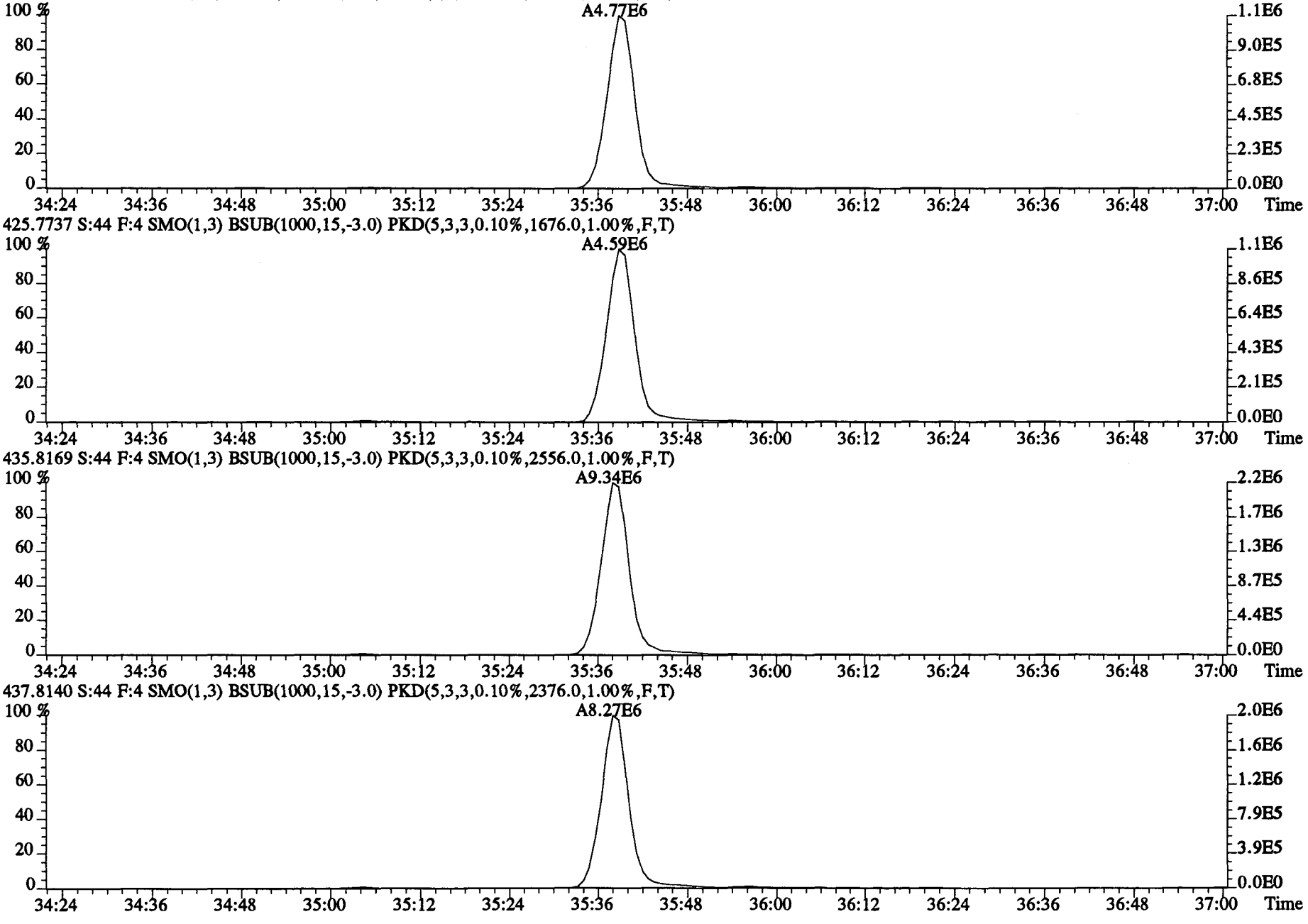




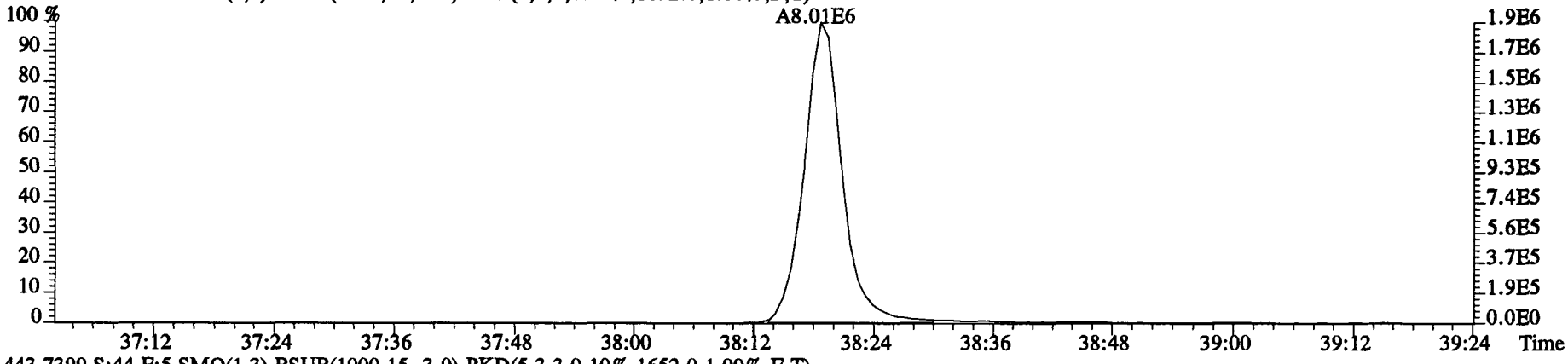




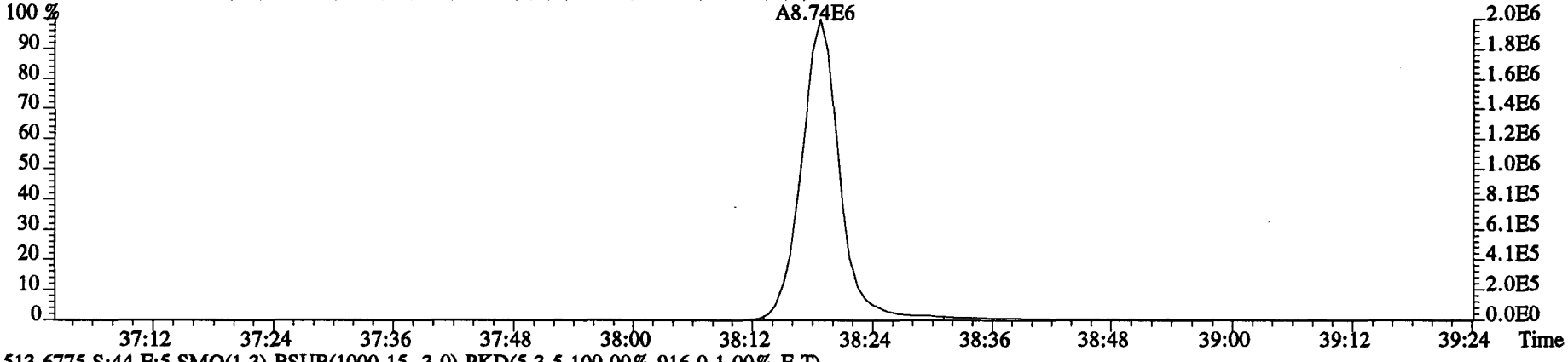
File:30AU104D5 #1-201 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



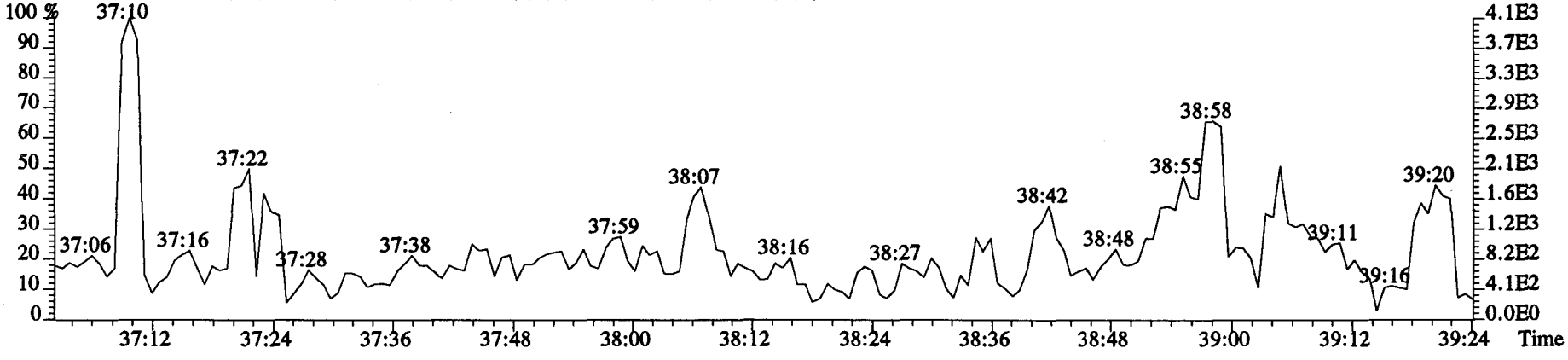
File:30AU104D5 #1-192 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
441.7428 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



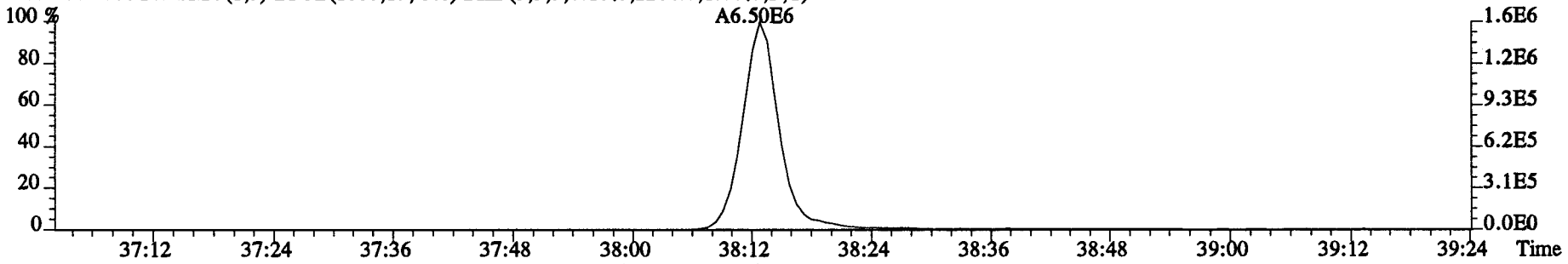
443.7399 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



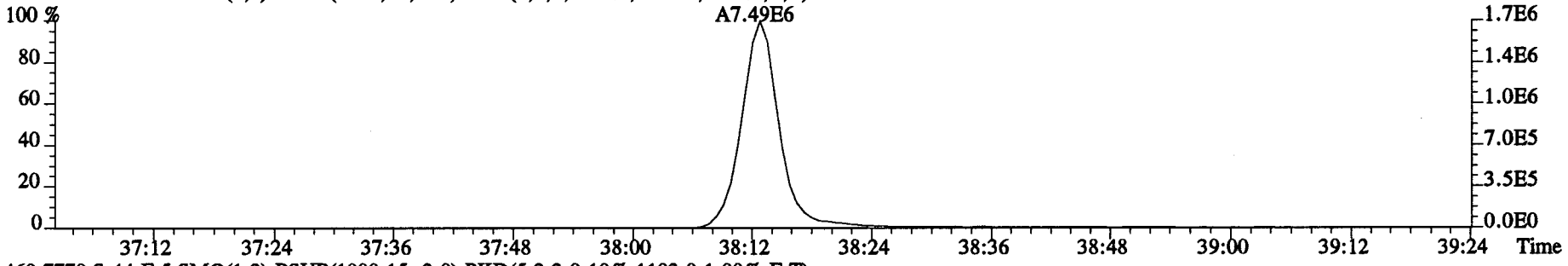
513.6775 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,916.0,1.00%,F,T)



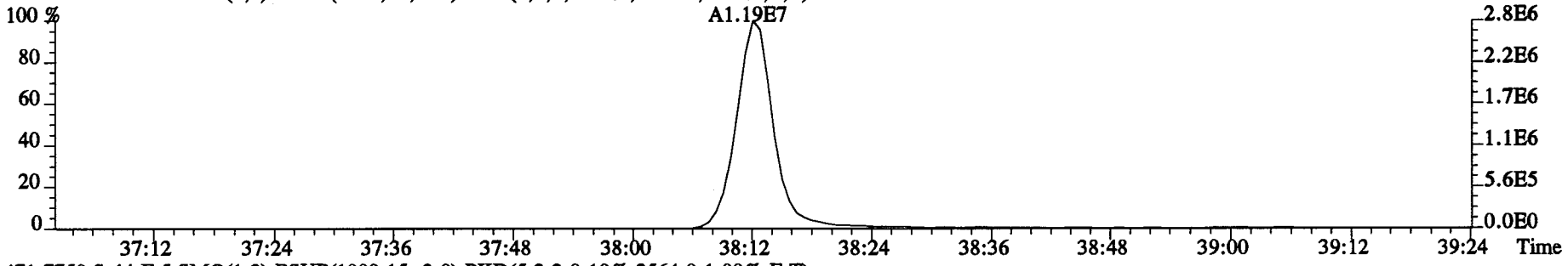
File:30AU104D5 #1-192 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
457.7377 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2204.0,1.00%,F,T)



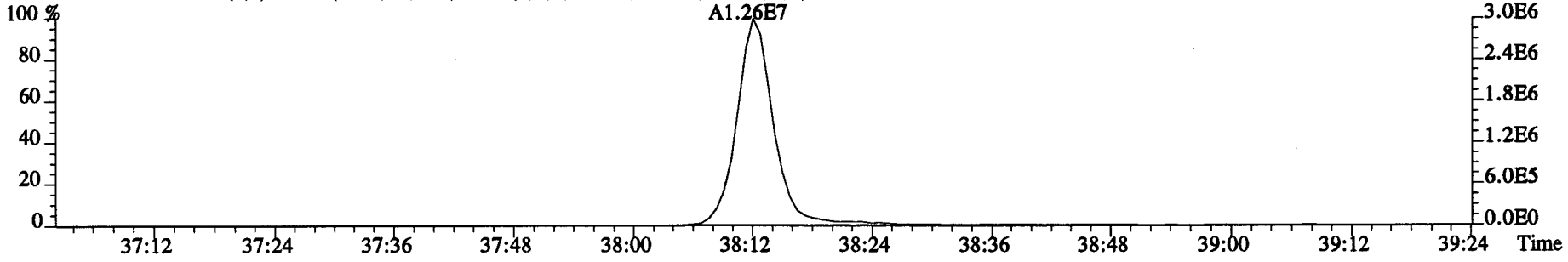
459.7348 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1288.0,1.00%,F,T)



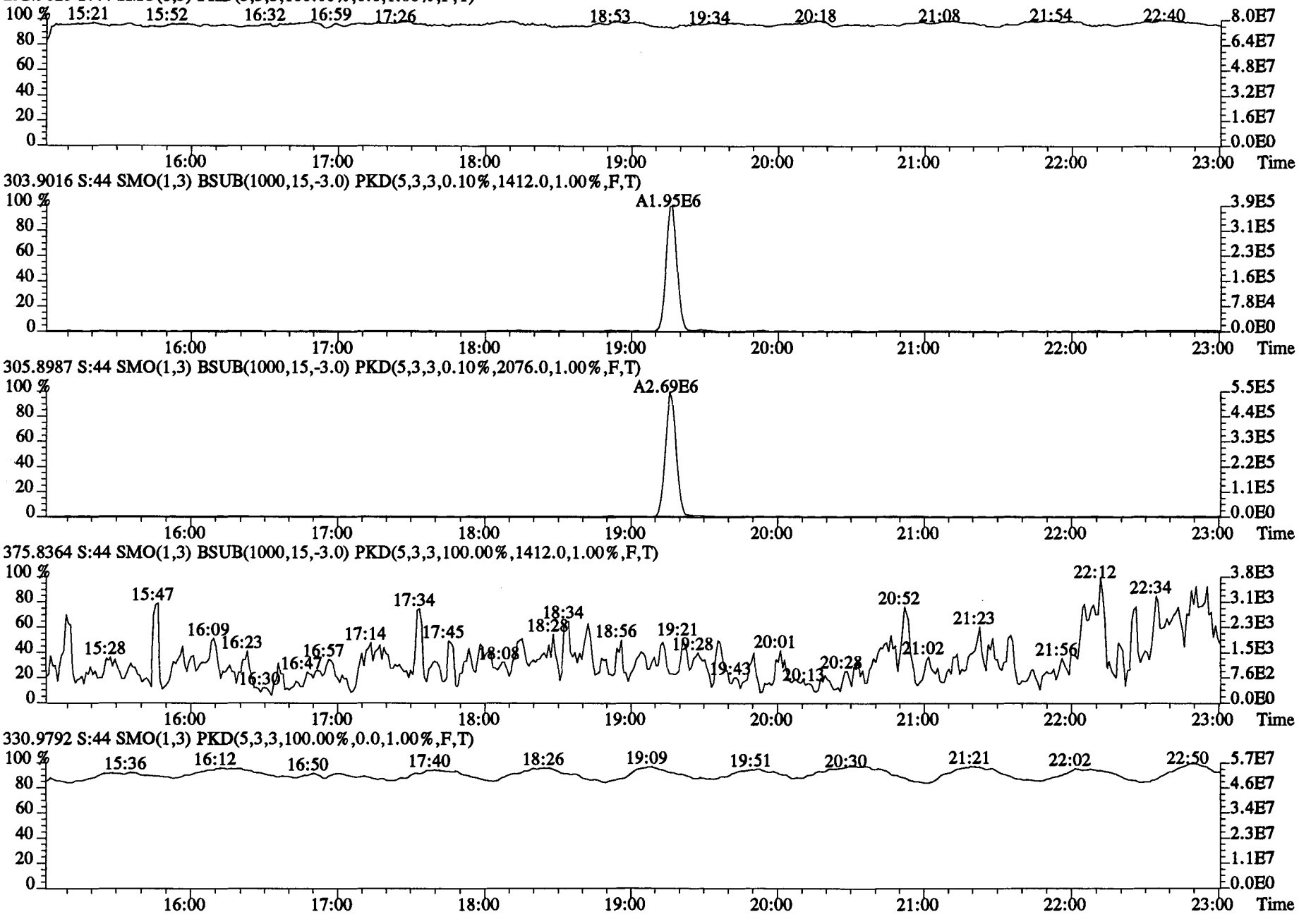
469.7779 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)



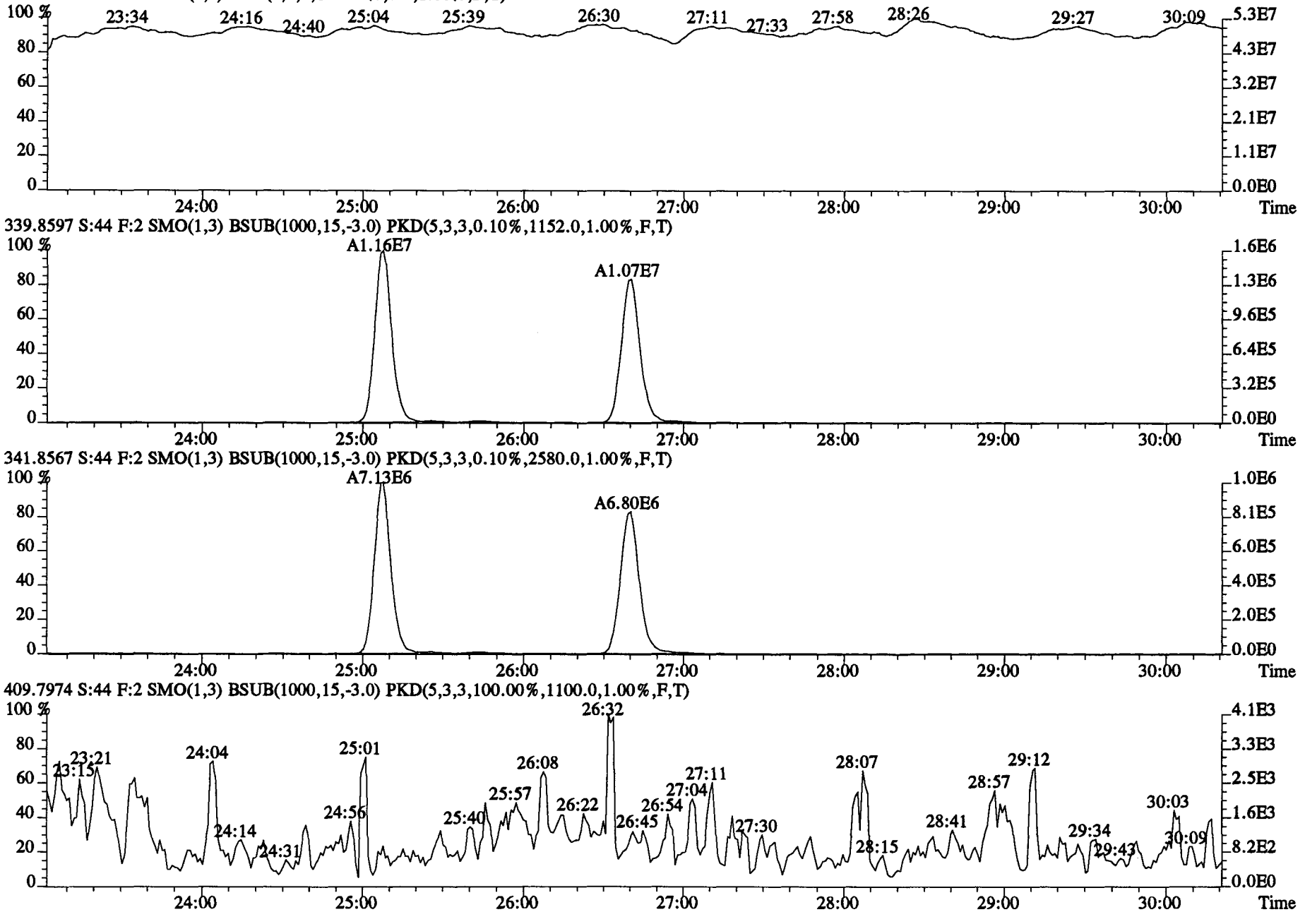
471.7750 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2564.0,1.00%,F,T)



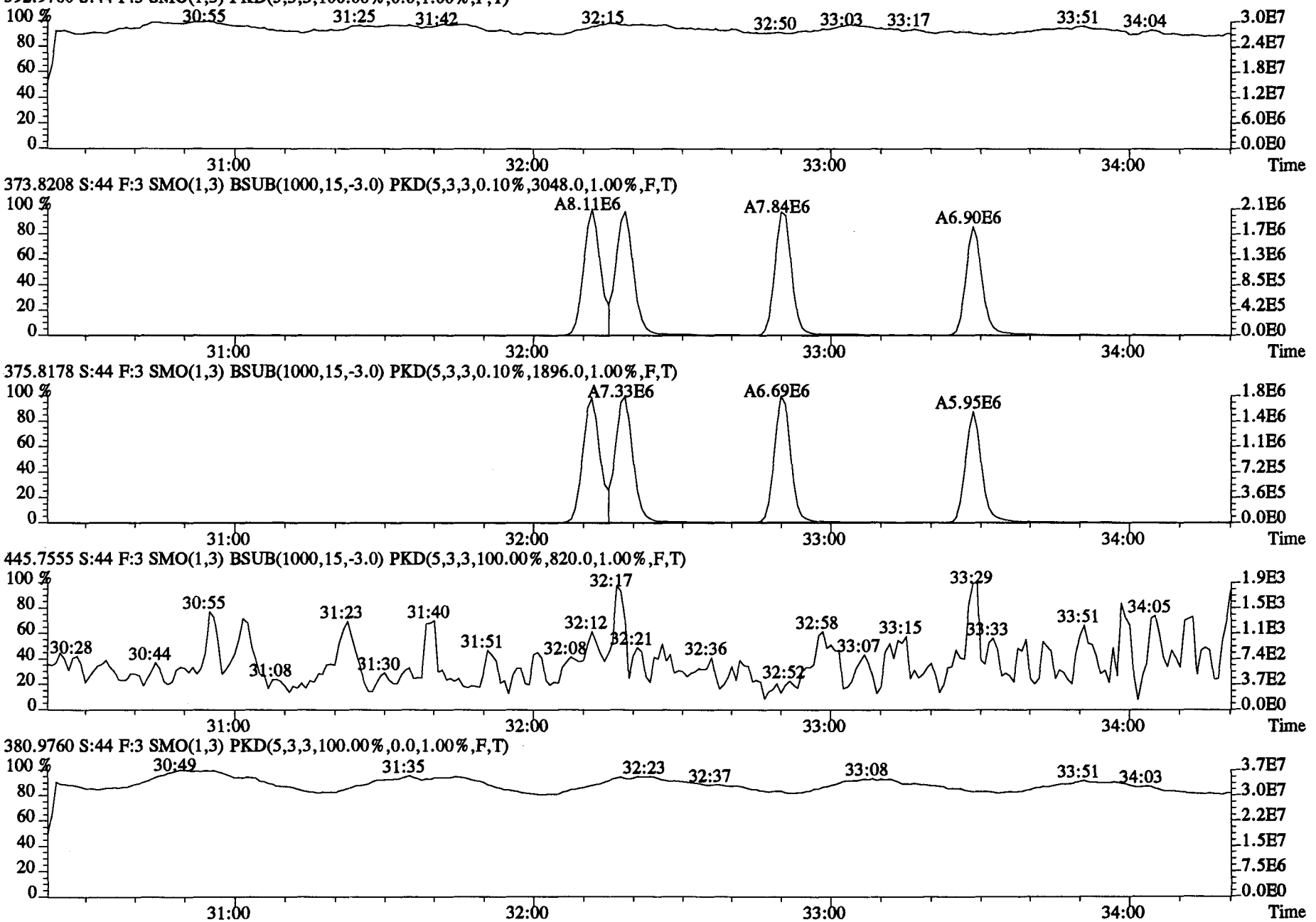
File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



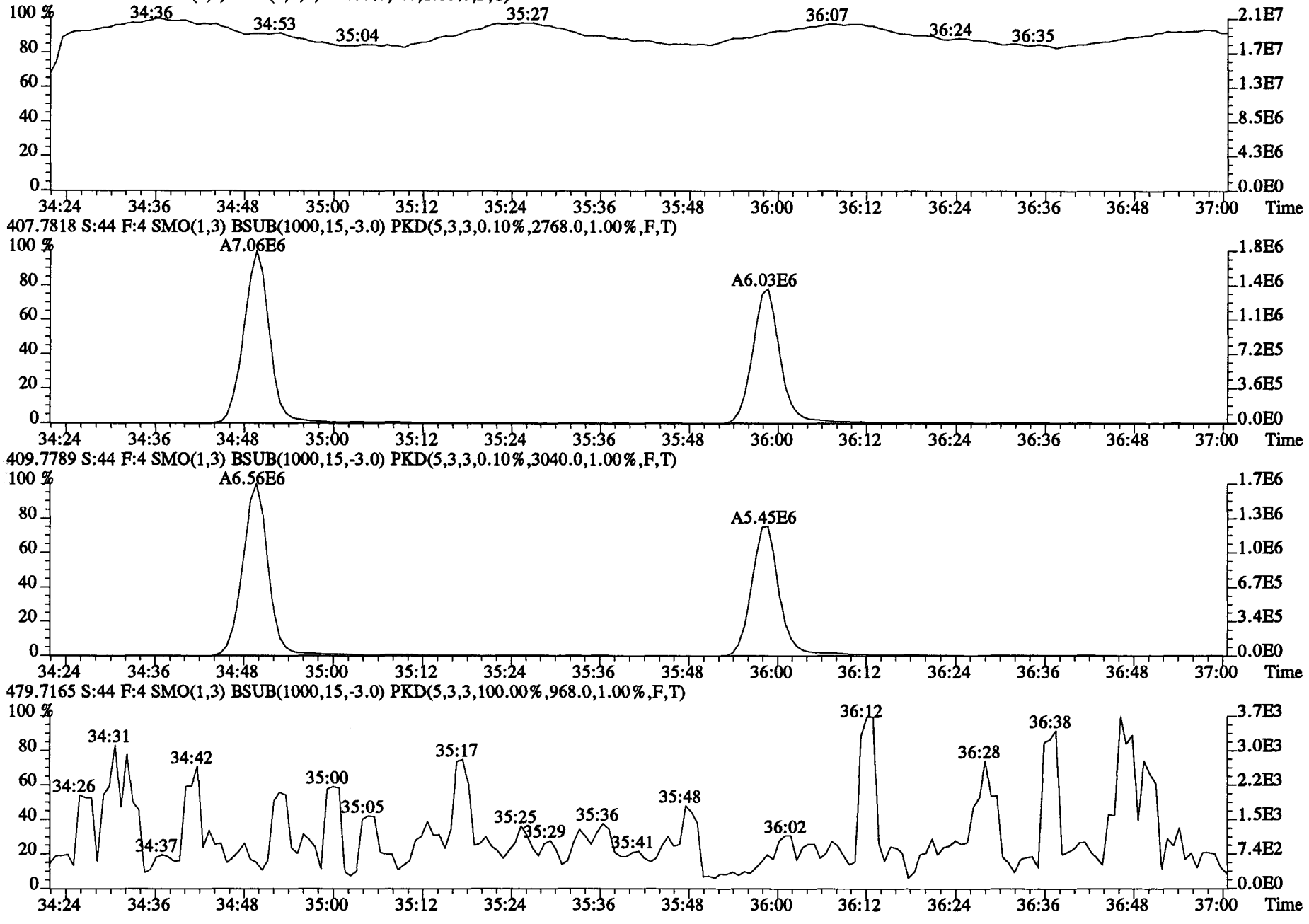
File:30AU104D5 #1-470 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



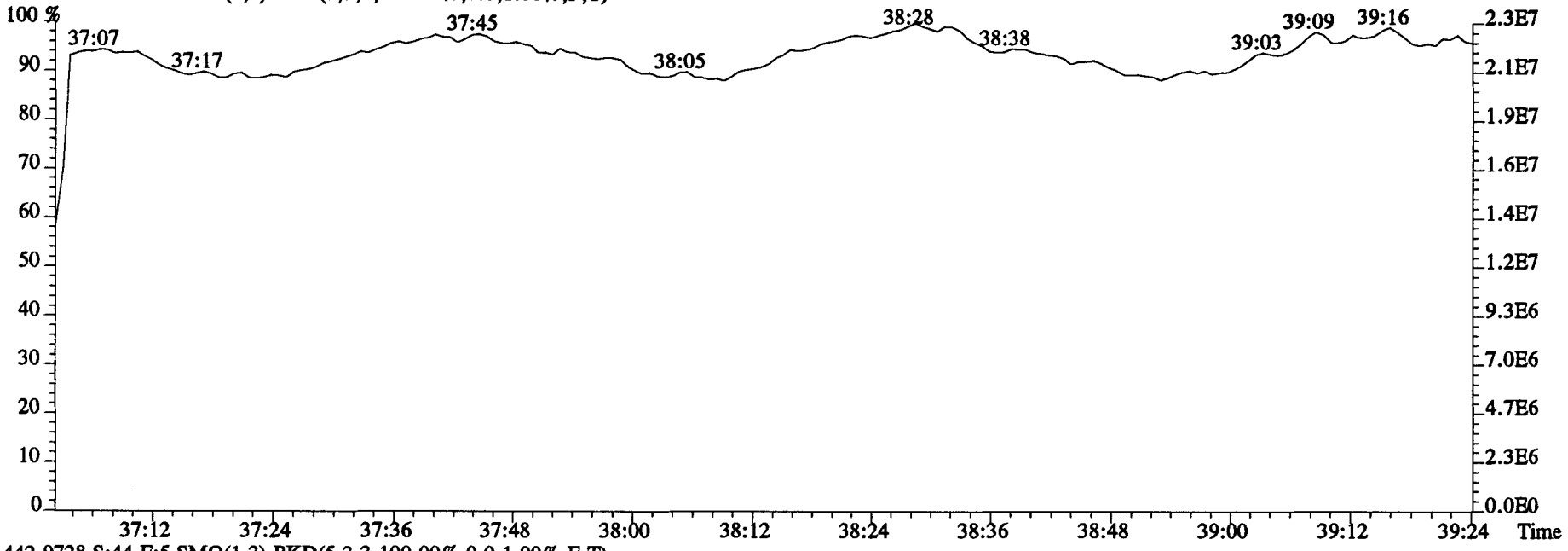
File:30AU104D5 #1-286 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



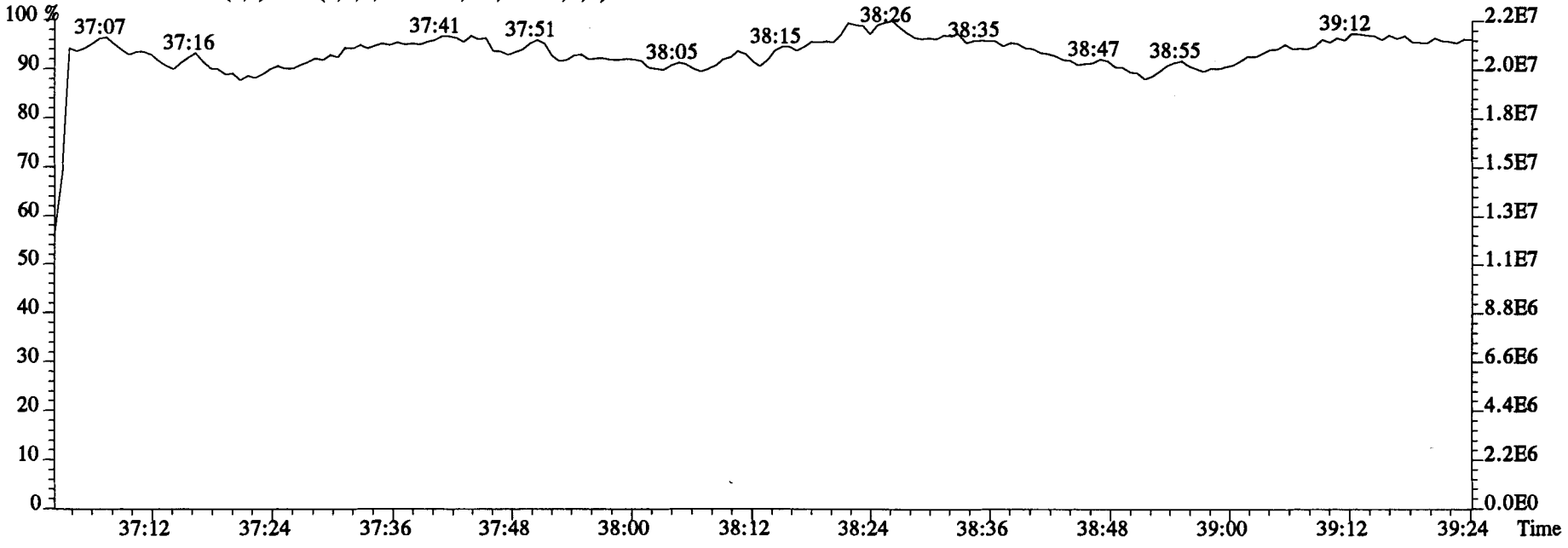
File:30AU104D5 #1-201 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



File:30AU104D5 #1-192 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
454.9728 S:44 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:44 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
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Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID T09 **Associated ICAL** T09 072110 4D5

Column ID DB5 **Instrument ID** 4D5

STD ID ST0901A, ST0901B **STD Solution** 10DXN417

Analyzed by AS **Date Analyzed** 09-01-10 & 09-02-10

Std. Pkg. By AS **Date Std. Pkg. Assembled** 09-02-10

Std. Pkg. Reviewed By NK **Date Std. Pkg. Reviewed** 09-02-10

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

COMMENTS:

① see NCM # 07-0111876

* **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: ST0901A File text: ST0901A :CS3 10DXN417
Run #6 Filename 01SE104D5 S: 16 I: 1
Acquired: 1-SEP-10 21:12:23 Processed: 2-SEP-10 12:24:48
Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D5TO9

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	40398500	0.80	y	19:52	-	100.00	-	n
13C-2,3,7,8-TCDF	57208700	0.79	y	19:16	1.42	100.00	15.2	n
2,3,7,8-TCDF	6238700	0.78	y	19:17	1.09	10.00	9.7	n
Total TCDF	6339450	0.99	n	18:35	1.09	10.00	9.7	n
13C-2,3,7,8-TCDD	37221700	0.79	y	20:05	0.92	100.00	1.8	n
2,3,7,8-TCDD	3965770	0.76	y	20:06	1.07	10.00	8.3	n
Total TCDD	4045221	0.24	n	15:56	1.07	10.00	8.3	n
37Cl-2,3,7,8-TCDD	4595000	1.00	y	20:06	1.23	10.00	-6.9	n
13C-1,2,3,7,8-PeCDF	42571000	1.58	y	25:06	1.05	100.00	20.3	n
1,2,3,7,8-PeCDF	25357380	1.58	y	25:07	1.19	50.00	10.7	n
2,3,4,7,8-PeCDF	24206510	1.57	y	26:40	1.14	50.00	8.8	n
Total F2 PeCDF	50385867	1.44	y	23:34	1.16	100.00	9.7	n
Total F1 PeCDF	10223	0.10	n	17:38	1.16	100.00	9.7	n
13C-1,2,3,7,8-PeCDD	28617600	1.59	y	27:28	0.71	100.00	7.2	n
1,2,3,7,8-PeCDD	15605040	1.54	y	27:30	1.09	50.00	17.8	n
Total PeCDD	15605040	1.54	y	27:30	1.09	50.00	17.8	n
13C-1,2,3,7,8,9-HxCDD	32506700	1.28	y	33:18	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	34581400	0.52	y	32:11	1.06	100.00	1.8	n
1,2,3,4,7,8-HxCDF	23063900	1.17	y	32:13	1.33	50.00	9.6	n
1,2,3,6,7,8-HxCDF	26022400	1.17	y	32:19	1.50	50.00	17.4	n
2,3,4,6,7,8-HxCDF	23723300	1.17	y	32:51	1.37	50.00	11.2	n
1,2,3,7,8,9-HxCDF	21053540	1.18	y	33:29	1.22	50.00	10.9	n
Total HxCDF	93970730	0.90	n	31:10	1.36	200.00	12.4	n
13C-1,2,3,6,7,8-HxCDD	28895700	1.30	y	33:03	0.89	100.00	7.0	n
1,2,3,4,7,8-HxCDD	16584370	1.26	y	32:59	1.15	50.00	10.7	n
1,2,3,6,7,8-HxCDD	17832120	1.34	y	33:04	1.23	50.00	6.1	n
1,2,3,7,8,9-HxCDD	18565090	1.25	y	33:19	1.28	50.00	8.7	n
Total HxCDD	52981580	1.26	y	32:59	1.22	150.00	8.4	n
13C-1,2,3,4,6,7,8-HpCDF	27079670	0.45	y	34:50	0.83	100.00	-8.5	n
1,2,3,4,6,7,8-HpCDF	21316100	1.11	y	34:50	1.57	50.00	17.0	n
1,2,3,4,7,8,9-HpCDF	17841620	1.06	y	36:00	1.32	50.00	20.5	n
Total HpCDF	39314400	1.11	y	34:50	1.45	100.00	18.6	n
13C-1,2,3,4,6,7,8-HpCDD	24137800	1.07	y	35:39	0.74	100.00	-10.2	n
1,2,3,4,6,7,8-HpCDD	14161520	1.04	y	35:39	1.17	50.00	9.5	n
Total HpCDD	14238319	1.60	n	35:05	1.17	50.00	9.5	n
13C-OCDD	36528200	0.90	y	38:13	0.56	200.00	-9.4	n
OCDF	28524000	0.92	y	38:20	1.56	100.00	14.0	n
OCDD	22898800	0.91	y	38:14	1.25	100.00	4.5	n

Run text: ST0901B File text: ST0901B :CS3 10DXN417
Run #10 Filename 01SE104D5 S: 30 I: 1
Acquired: 2-SEP-10 07:36:38 Processed: 2-SEP-10 12:24:51
Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5 Results: 01SE104D5TO9

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	39022700	0.80	y	19:51	-	100.00	-	n
13C-2,3,7,8-TCDF	56820800	0.79	y	19:16	1.46	100.00	18.4	n
2,3,7,8-TCDF	6381140	0.78	y	19:16	1.12	10.00	12.9	n
Total TCDF	6469960	0.38	n	16:01	1.12	10.00	12.9	n
13C-2,3,7,8-TCDD	36603100	0.82	y	20:04	0.94	100.00	3.6	n
2,3,7,8-TCDD	3948260	0.81	y	20:06	1.08	10.00	9.7	n
Total TCDD	4000808	0.38	n	16:05	1.08	10.00	9.7	n
37Cl-2,3,7,8-TCDD	4652720	1.00	y	20:05	1.27	10.00	-4.1	n
13C-1,2,3,7,8-PeCDF	39769500	1.63	y	25:05	1.02	100.00	16.3	n
1,2,3,7,8-PeCDF	24833870	1.58	y	25:07	1.25	50.00	16.0	n
2,3,4,7,8-PeCDF	23435650	1.55	y	26:39	1.18	50.00	12.7	n
Total F2 PeCDF	48611613	1.73	y	23:29	1.21	100.00	14.4	n
Total F1 PeCDF	58159	0.63	n	15:06	1.21	100.00	14.4	n
13C-1,2,3,7,8-PeCDD	26233900	1.63	y	27:28	0.67	100.00	1.7	n
1,2,3,7,8-PeCDD	14824810	1.61	y	27:29	1.13	50.00	22.1	n ✓
Total PeCDD	14853668	9.26	n	24:24	1.13	50.00	22.1	n
13C-1,2,3,7,8,9-HxCDD	28484800	1.27	y	33:18	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	31165100	0.51	y	32:11	1.09	100.00	4.7	n
1,2,3,4,7,8-HxCDF	20962910	1.17	y	32:11	1.35	50.00	10.5	n
1,2,3,6,7,8-HxCDF	22803200	1.22	y	32:18	1.46	50.00	14.2	n
2,3,4,6,7,8-HxCDF	20989330	1.18	y	32:50	1.35	50.00	9.2	n
1,2,3,7,8,9-HxCDF	18912800	1.17	y	33:28	1.21	50.00	10.5	n
Total HxCDF	83688110	0.35	n	31:07	1.34	200.00	11.2	n
13C-1,2,3,6,7,8-HxCDD	24751500	1.33	y	33:02	0.87	100.00	4.6	n
1,2,3,4,7,8-HxCDD	13938910	1.27	y	32:58	1.13	50.00	8.6	(y)
1,2,3,6,7,8-HxCDD	16924870	1.32	y	33:03	1.37	50.00	17.6	y
1,2,3,7,8,9-HxCDD	16399550	1.28	y	33:18	1.33	50.00	12.1	n
Total HxCDD	47284371	1.27	y	32:58	1.27	150.00	12.9	y
13C-1,2,3,4,6,7,8-HpCDF	23854300	0.45	y	34:49	0.84	100.00	-8.0	n
1,2,3,4,6,7,8-HpCDF	18804750	1.09	y	34:50	1.58	50.00	17.2	n
1,2,3,4,7,8,9-HpCDF	15467000	1.09	y	35:58	1.30	50.00	18.6	n
Total HpCDF	34271750	1.09	y	34:50	1.44	100.00	17.8	n
13C-1,2,3,4,6,7,8-HpCDD	20528940	1.11	y	35:39	0.72	100.00	-12.8	n
1,2,3,4,6,7,8-HpCDD	12198080	1.03	y	35:39	1.19	50.00	10.9	n
Total HpCDD	12267628	0.86	n	35:04	1.19	50.00	10.9	n
13C-OCDD	29520000	0.90	y	38:11	0.52	200.00	-16.4	n
OCDF	24039400	0.91	y	38:19	1.63	100.00	18.9	n
OCDD	19233180	0.90	y	38:12	1.30	100.00	8.7	n

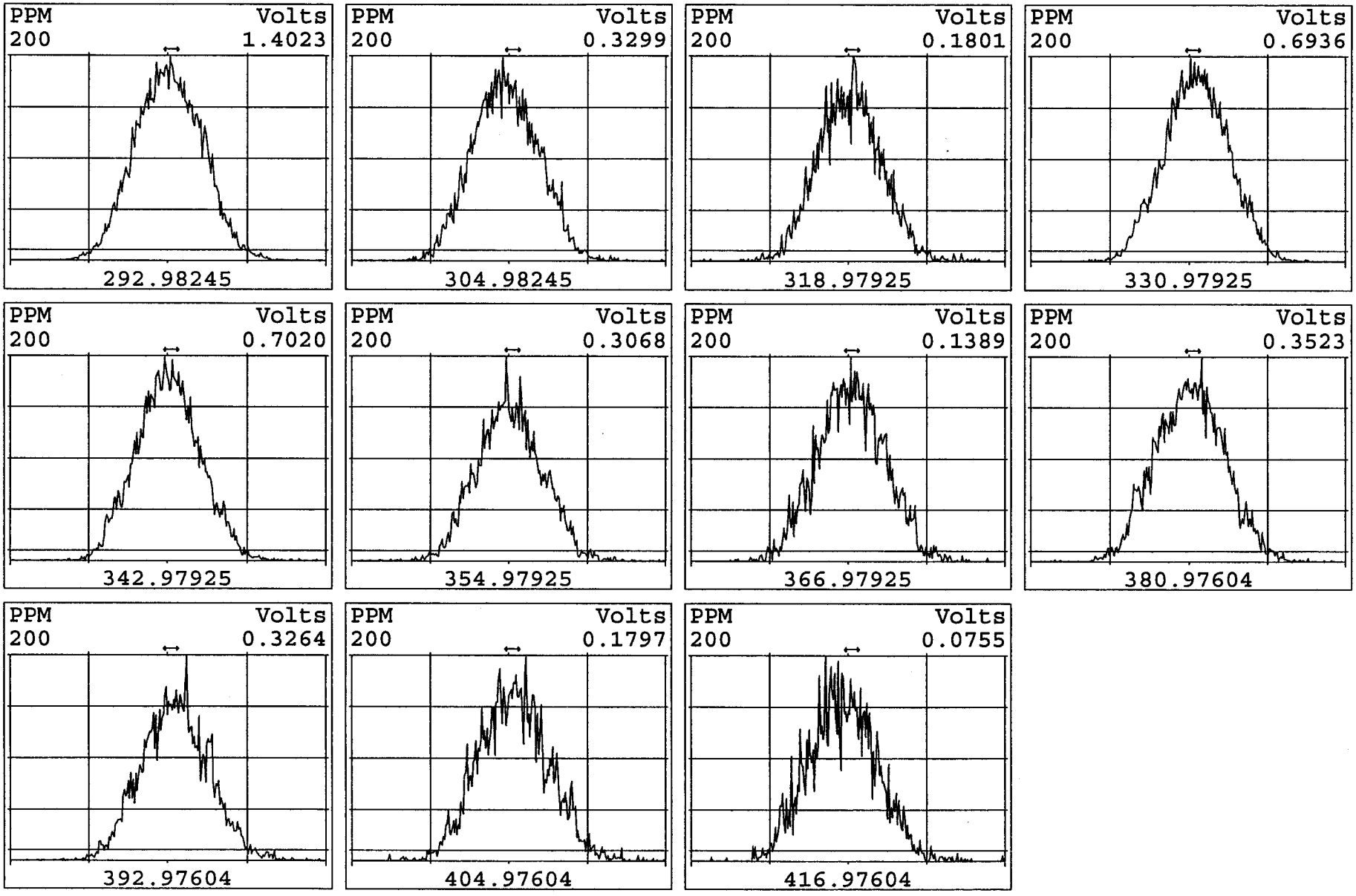
Run text: ST0901B File text: ST0901B :CS3 10DXN417
Run #10 Filename 01SE104D5 S: 30 I: 1
Acquired: 2-SEP-10 07:36:38 Processed: 2-SEP-10 12:24:51
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5 Results:

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	39022682	0.80	y	19:51	-	100.00	-	n
13C-2,3,7,8-TCDF	56820864	0.79	y	19:16	1.46	100.00	18.4	n
2,3,7,8-TCDF	6381138	0.78	y	19:16	1.12	10.00	12.9	n
Total TCDF	6469958	0.38	n	16:01	1.12	10.00	12.9	n
13C-2,3,7,8-TCDD	36603116	0.82	y	20:04	0.94	100.00	3.6	n
2,3,7,8-TCDD	3948265	0.81	y	20:06	1.08	10.00	9.7	n
Total TCDD	3985077	0.38	n	16:05	1.08	10.00	9.7	n
37Cl-2,3,7,8-TCDD	4652728	1.00	y	20:05	1.27	10.00	-4.1	n
13C-1,2,3,7,8-PeCDF	39769527	1.63	y	25:05	1.02	100.00	16.3	n
1,2,3,7,8-PeCDF	24833832	1.58	y	25:07	1.25	50.00	16.0	n
2,3,4,7,8-PeCDF	23435655	1.55	y	26:39	1.18	50.00	12.7	n
Total F2 PeCDF	48611581	1.73	y	23:29	1.21	100.00	14.4	n
Total F1 PeCDF	53158	0.63	n	15:06	1.21	100.00	14.4	n
13C-1,2,3,7,8-PeCDD	26233932	1.63	y	27:28	0.67	100.00	1.7	n
1,2,3,7,8-PeCDD	14824806	1.61	y	27:29	1.13	50.00	22.1	n
Total PeCDD	14853664	9.26	n	24:24	1.13	50.00	22.1	n
13C-1,2,3,7,8,9-HxCDD	28484740	1.27	y	33:18	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	31165143	0.51	y	32:11	1.09	100.00	4.7	n
1,2,3,4,7,8-HxCDF	20962948	1.17	y	32:11	1.35	50.00	10.5	n
1,2,3,6,7,8-HxCDF	22803236	1.22	y	32:18	1.46	50.00	14.2	n
2,3,4,6,7,8-HxCDF	20989371	1.18	y	32:50	1.35	50.00	9.2	n
1,2,3,7,8,9-HxCDF	18912844	1.17	y	33:28	1.21	50.00	10.5	n
Total HxCDF	83688269	0.35	n	31:07	1.34	200.00	11.2	n
13C-1,2,3,6,7,8-HxCDD	24751433	1.33	y	33:02	0.87	100.00	4.6	n
1,2,3,4,7,8-HxCDD	12720986	1.47	n	32:58	1.03	50.00	-0.9	n
1,2,3,6,7,8-HxCDD	16798565	1.17	y	33:03	1.36	50.00	16.7	n
1,2,3,7,8,9-HxCDD	16399547	1.28	y	33:18	1.33	50.00	12.1	n
Total HxCDD	45940138	1.47	n	32:58	1.24	150.00	9.7	n
13C-1,2,3,4,6,7,8-HpCDF	23854323	0.45	y	34:49	0.84	100.00	-8.0	n
1,2,3,4,6,7,8-HpCDF	18804754	1.09	y	34:50	1.58	50.00	17.2	n
1,2,3,4,7,8,9-HpCDF	15467001	1.09	y	35:58	1.30	50.00	18.6	n
Total HpCDF	34271755	1.09	y	34:50	1.44	100.00	17.8	n
13C-1,2,3,4,6,7,8-HpCDD	20528940	1.11	y	35:39	0.72	100.00	-12.8	n
1,2,3,4,6,7,8-HpCDD	12198078	1.03	y	35:39	1.19	50.00	10.9	n
Total HpCDD	12267625	0.86	n	35:04	1.19	50.00	10.9	n
13C-OCDD	29520015	0.90	y	38:11	0.52	200.00	-16.4	n
OCDF	24039422	0.91	y	38:19	1.63	100.00	18.9	n
OCDD	19233170	0.90	y	38:12	1.30	100.00	8.7	n

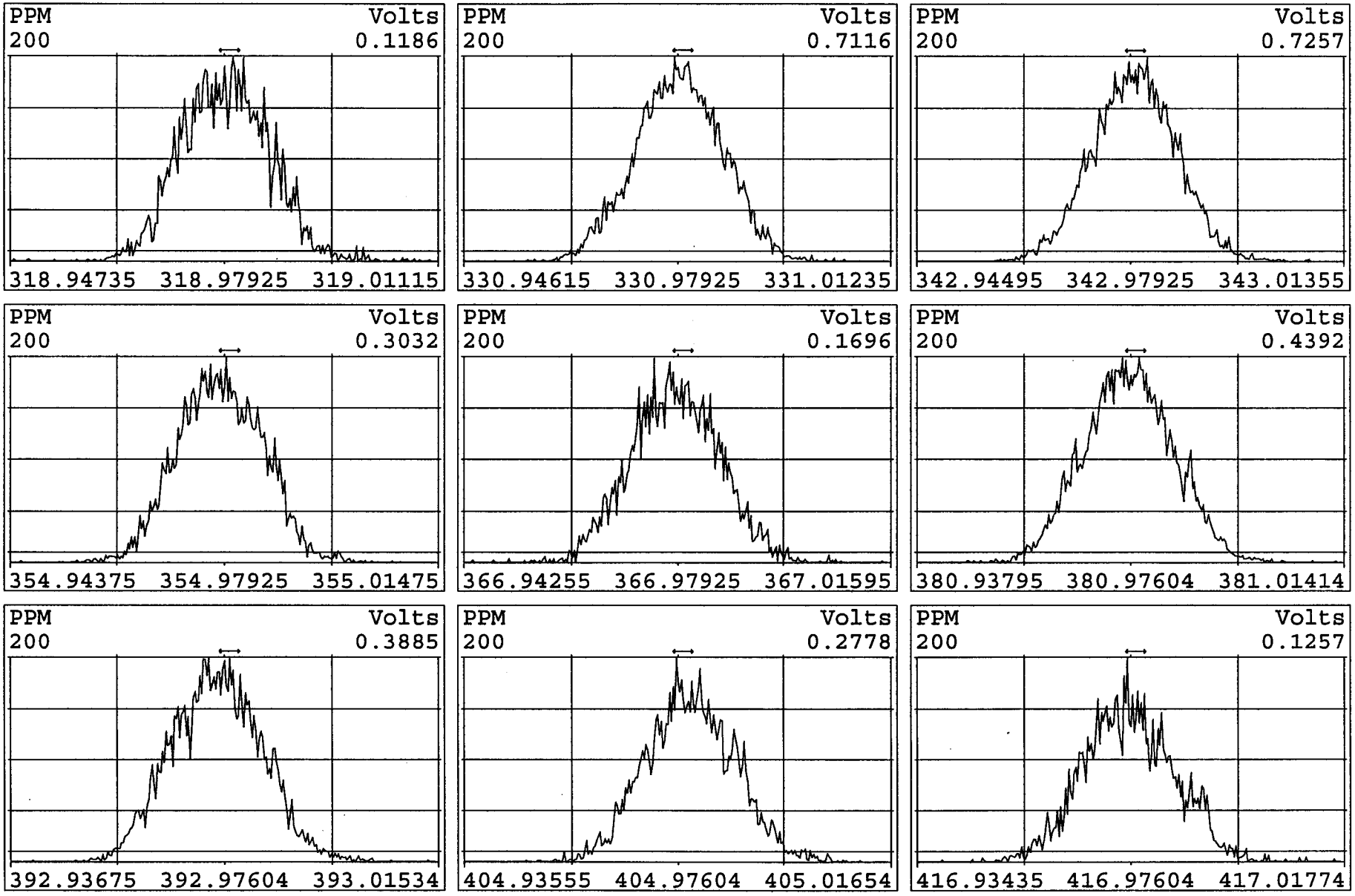
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
01SE104D5	1	CP0901	DB-5 CPSM 3732-08				1.00000	
01SE104D5	2	ST0901	CS3 10DXN417				1.00000	
01SE104D5	3	L56E5-1-AA	G0H260000-228 (620-1MB)	20	1613B/TETRAS	16	1.00000	L
01SE104D5	4	L56E5-1-AC	G0H260000-228 (620-1LCS)	20	1613B/TETRAS		1.00000	L
01SE104D5	5	L5KM3-1-AA	G0H130620-1	20	1613B/TETRAS		1.03279	L
01SE104D5	6	L5KM4-1-AA	G0H130620-2	20	1613B/TETRAS		0.90097	L
01SE104D5	7	L51N0-1-AA	G0H230430-1	20	1613B/TETRAS		1.04382	L
01SE104D5	8	L5VMA-1-AA	G0H190582-1	20	1613B/TETRAS		1.04077	L
01SE104D5	9	L5VMG-1-AA	G0H190582-2	20	1613B/TETRAS		1.04508	L
01SE104D5	10	L5XGV-1-AA	G0H200527-1	20	1613B/TETRAS		1.04049	L
01SE104D5	11	L5XH8-1-AA	G0H200555-1	20	1613B/TETRAS		1.03608	L
01SE104D5	12	L5XJD-1-AA	G0H200555-2	20	1613B/TETRAS		1.04251	L
01SE104D5	13	L5XJE-1-AA	G0H200555-3	20	1613B/TETRAS		1.03940	L
01SE104D5	14	L6AE5-1-AC	G0H190589-1LCS	20	1613B/TETRAS	19	1.00000	L
01SE104D5	15	L6AE5-1-AD	G0H190589-1LFB	20	1613B/TETRAS		1.00000	L
01SE104D5	16	ST0901A	CS3 10DXN417				1.00000	
01SE104D5	17	CP0901A	DB-5 CPSM 3732-08				1.00000	
01SE104D5	18	L6AE5-1-AA	G0H190589-1MB	20	1613B/TETRAS	19	1.00000	L
01SE104D5	19	L5VTJ-1-AA	G0H190589-1	20	1613B/TETRAS		0.93331	L
01SE104D5	20	L5634-1-AA	G0H260533-2	20	TO9/AIR	15	0.50000	SAM
01SE104D5	21	L564F-1-AA	G0H260533-5	20	TO9/AIR		0.50000	SAM
01SE104D5	22	L5X7K-1-AA	G0H200654-19	20	8290/SOLID	12	15.90000	g
01SE104D5	23	L5X7L-1-AA	G0H200654-20	20	8290/SOLID		15.61000	g
01SE104D5	24	L5X7P-1-AA	G0H200654-22	20	8290/SOLID		15.12000	g
01SE104D5	25	L5X7R-1-AA	G0H200654-23	20	8290/SOLID		15.49000	g
01SE104D5	26	L5X7R-1-AD	G0H200654-23MS	20	8290/SOLID		15.96000	g
01SE104D5	27	L5X7R-1-AE	G0H200654-23MSD	20	8290/SOLID		15.94000	g
01SE104D5	28	L55AC-1-AC	G0H200654-19LCS	20	8290/SOLID		10.00000	g
01SE104D5	29	L55AC-1-AD	G0H200654-19DCS	20	8290/SOLID		10.00000	g
01SE104D5	30	ST0901B	CS3 10DXN417				1.00000	
01SE104D5	31	ST0901C	CS3 10DXN417				1.00000	
01SE104D5	32	CP0901B	DB-5 CPSM 3732-08				1.00000	
01SE104D5	33	L6DEL-1-AA	G0H310000-386 (481-1MB)	20	8290/SOLID	20	10.00000	g
01SE104D5	34	L6DEL-1-AC	G0H310000-386 (481-1LCS)	20	8290/SOLID		10.00000	g
01SE104D5	35	L6CRT-1-AD	G0H310481-1	20	8290/SOLID		10.83000	g
01SE104D5	36	L5X7T-1-AA	G0H200654-24	20	8290/SOLID	12	15.08000	g
01SE104D5	37	L5X7X-1-AA	G0H200654-25	20	8290/SOLID		15.41000	g
01SE104D5	38	L5X71-1-AA	G0H200654-26	20	8290/SOLID		15.89000	g
01SE104D5	39	L5X73-1-AA	G0H200654-27	20	8290/SOLID		15.74000	g
01SE104D5	40	L5X74-1-AA	G0H200654-28	20	8290/SOLID		1.34000	g
01SE104D5	41						1.00000	
01SE104D5	42						1.00000	
01SE104D5	43						1.00000	
01SE104D5	44		AS 09-01-10				1.00000	

logfile Rd
NK 9/2/10

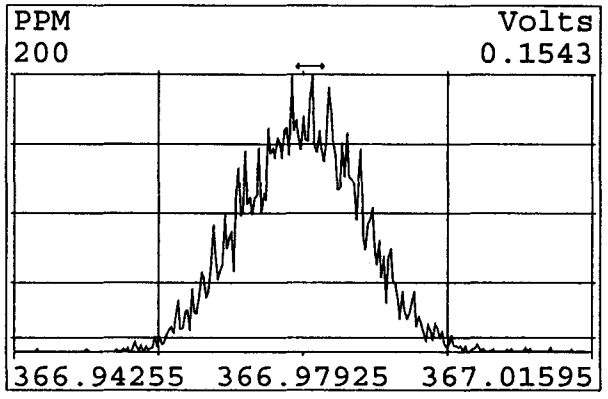
Peak Locate Examination: 1-SEP-2010:10:00 File:01SE104D5
Experiment:DIOXINRES Function:1 Reference:PFK

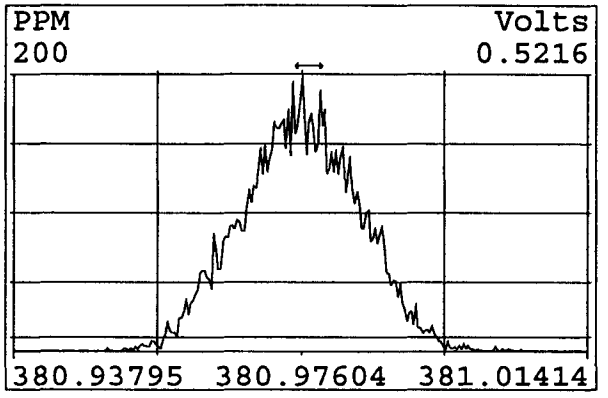


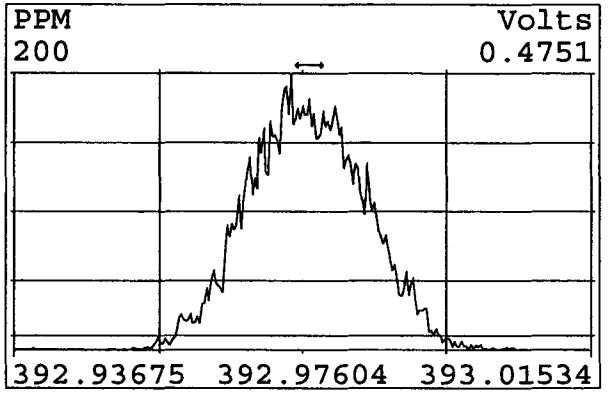
Peak Locate Examination: 1-SEP-2010:10:01 File:01SE104D5
Experiment:DIOXINRES Function:2 Reference:PFK

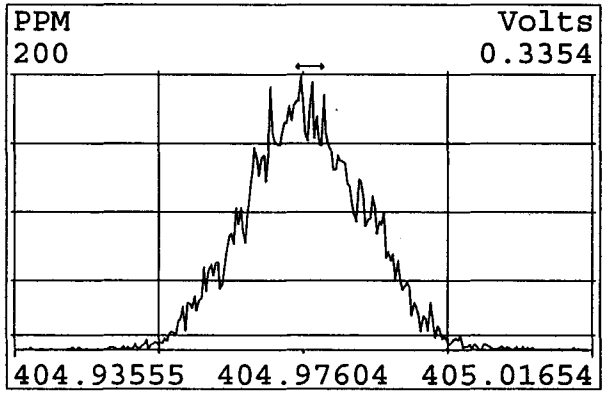


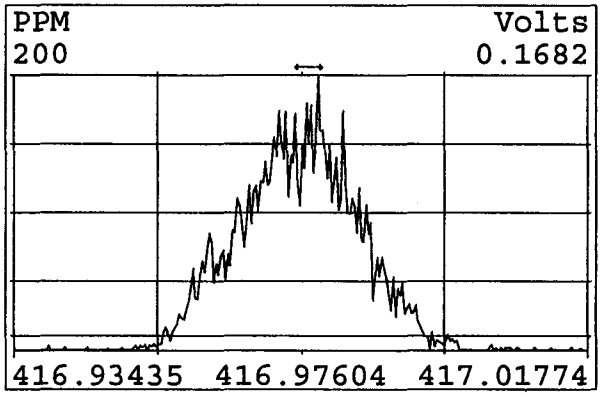
Peak Locate Examination: 1-SEP-2010:10:01 File:01SE104D5
Experiment:DIOXINRES Function:3 Reference:PFK

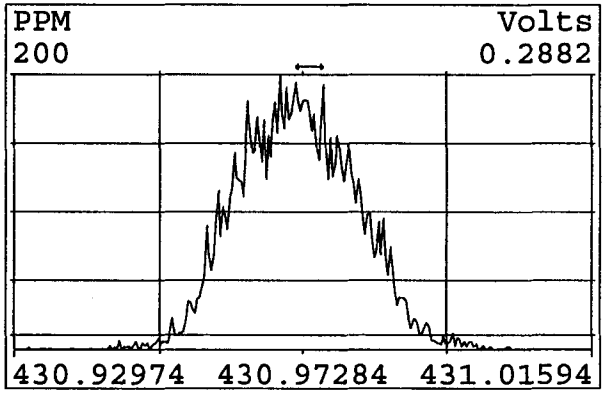


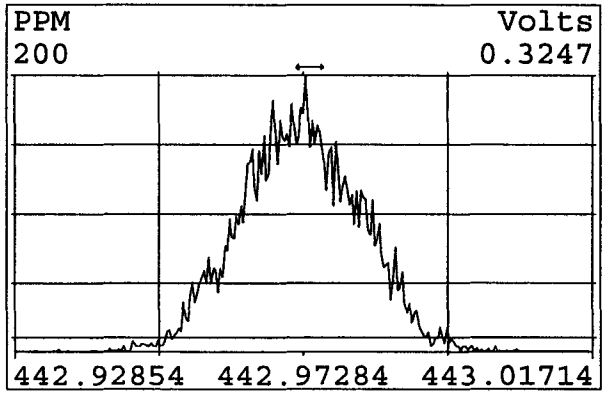


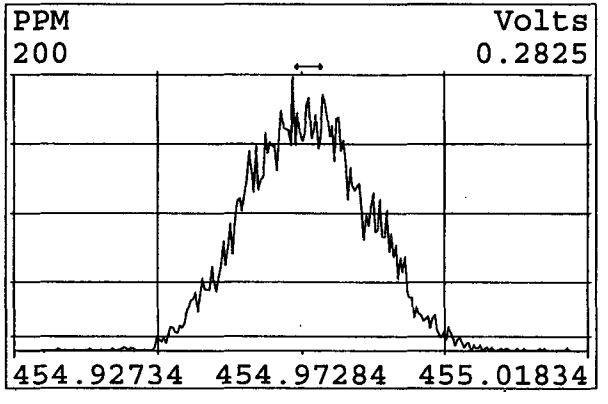




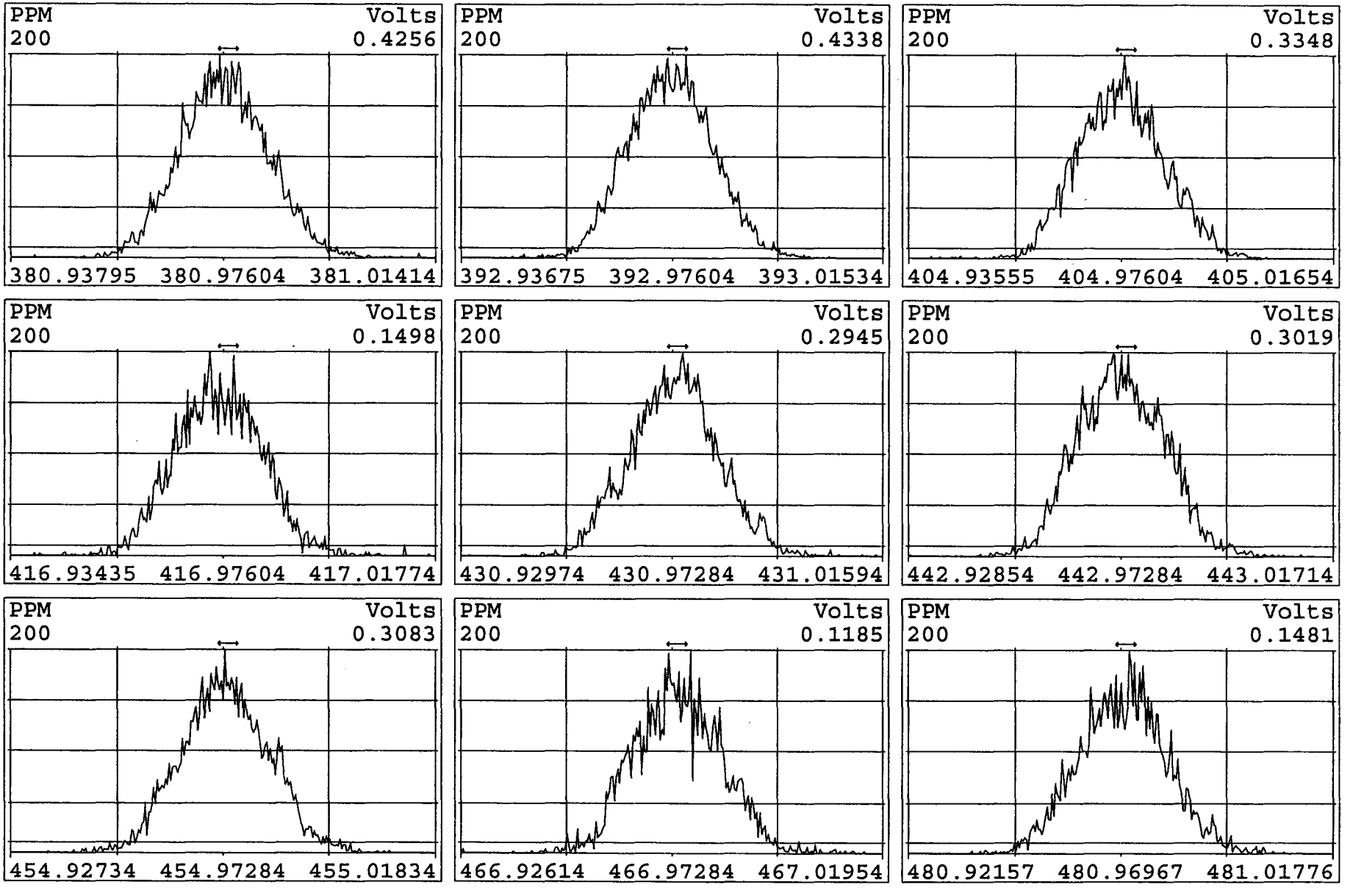




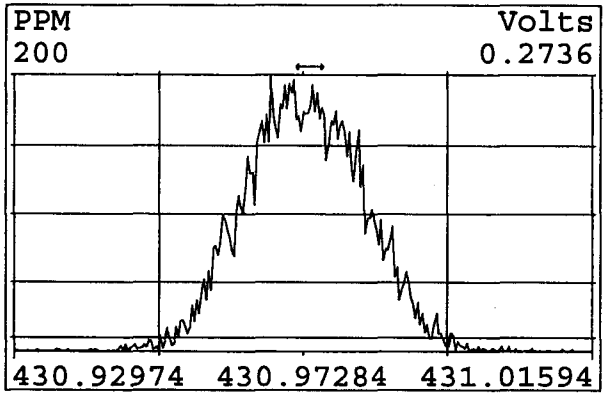


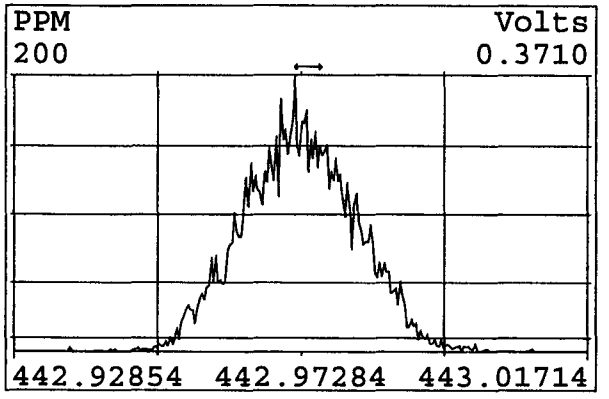


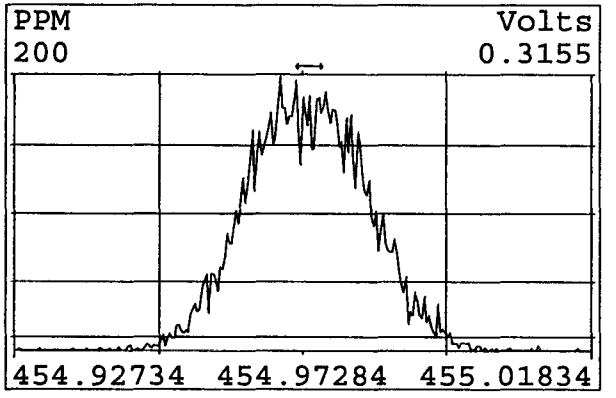
Peak Locate Examination: 1-SEP-2010:10:01 File:01SE104D5
Experiment:DIOXINRES Function:4 Reference:PFK

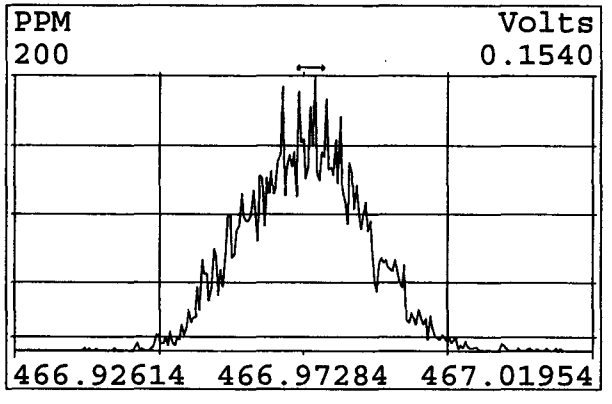


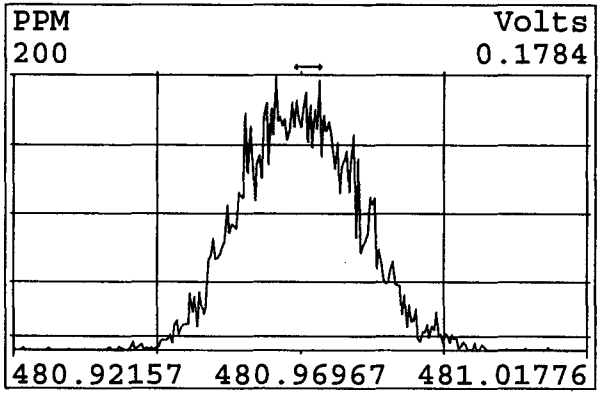
Peak Locate Examination: 1-SEP-2010:10:02 File:01SE104D5
Experiment:DIOXINRES Function:5 Reference:PFK

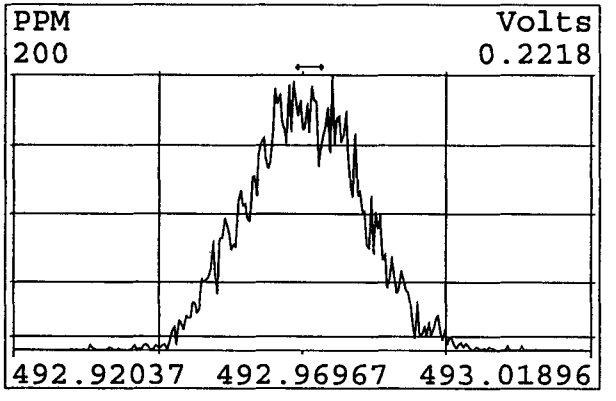


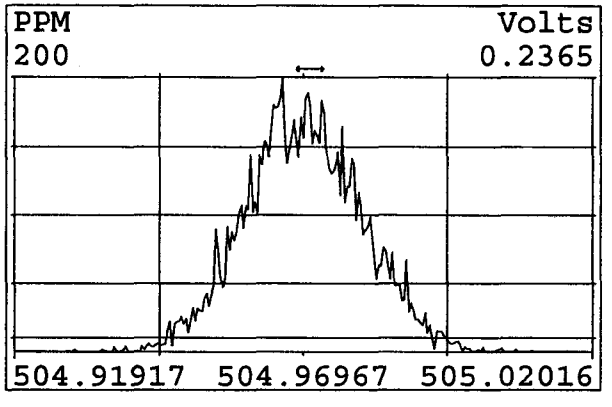


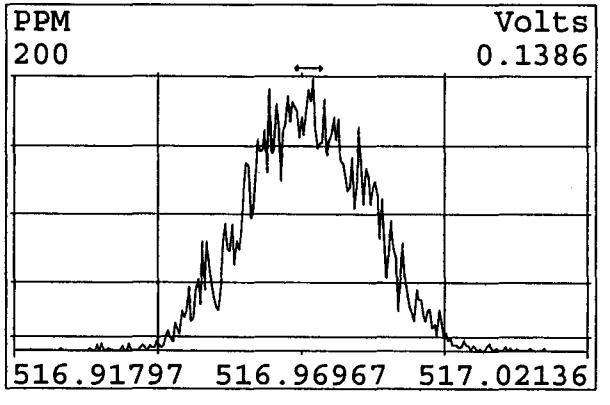




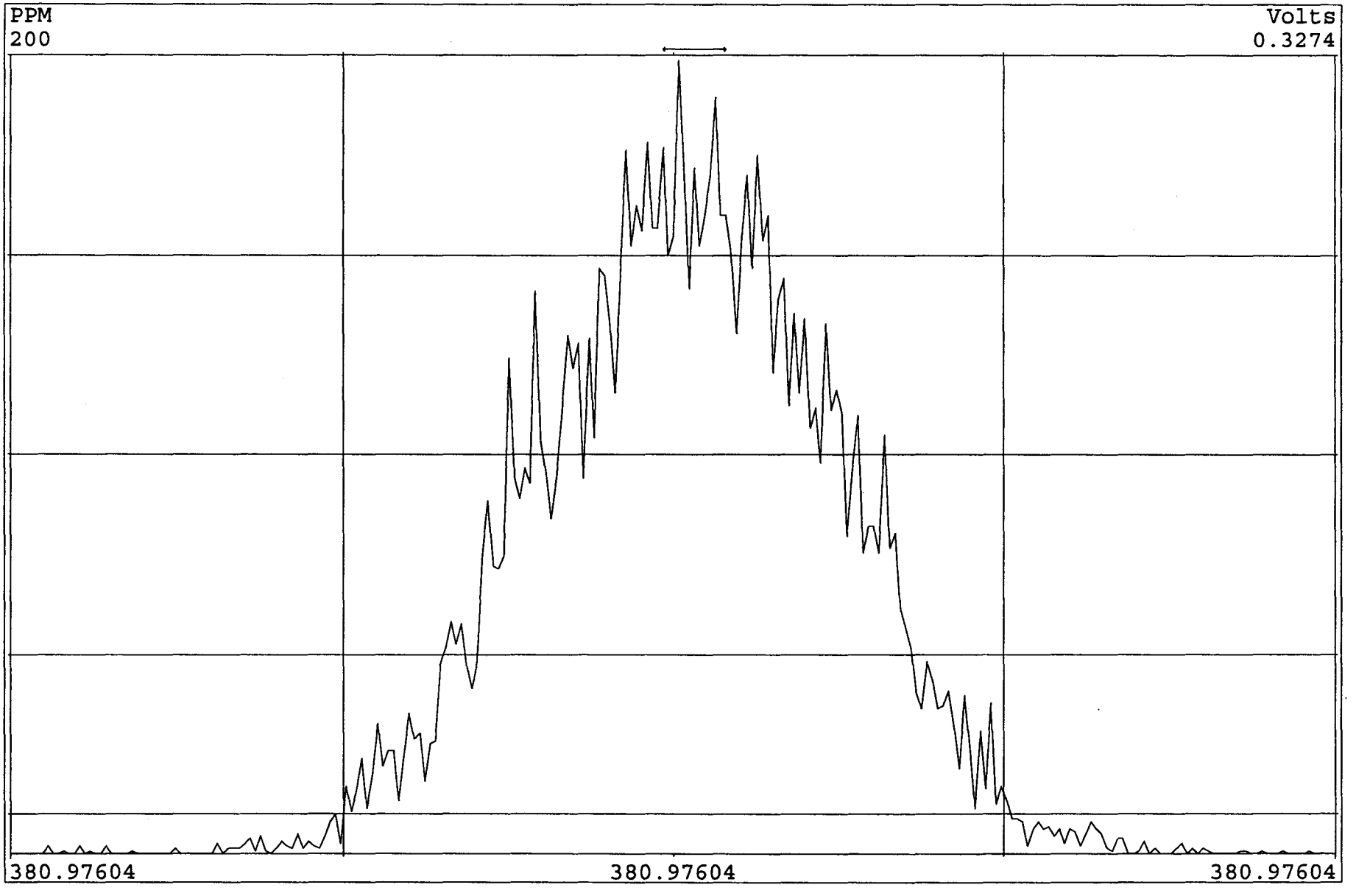




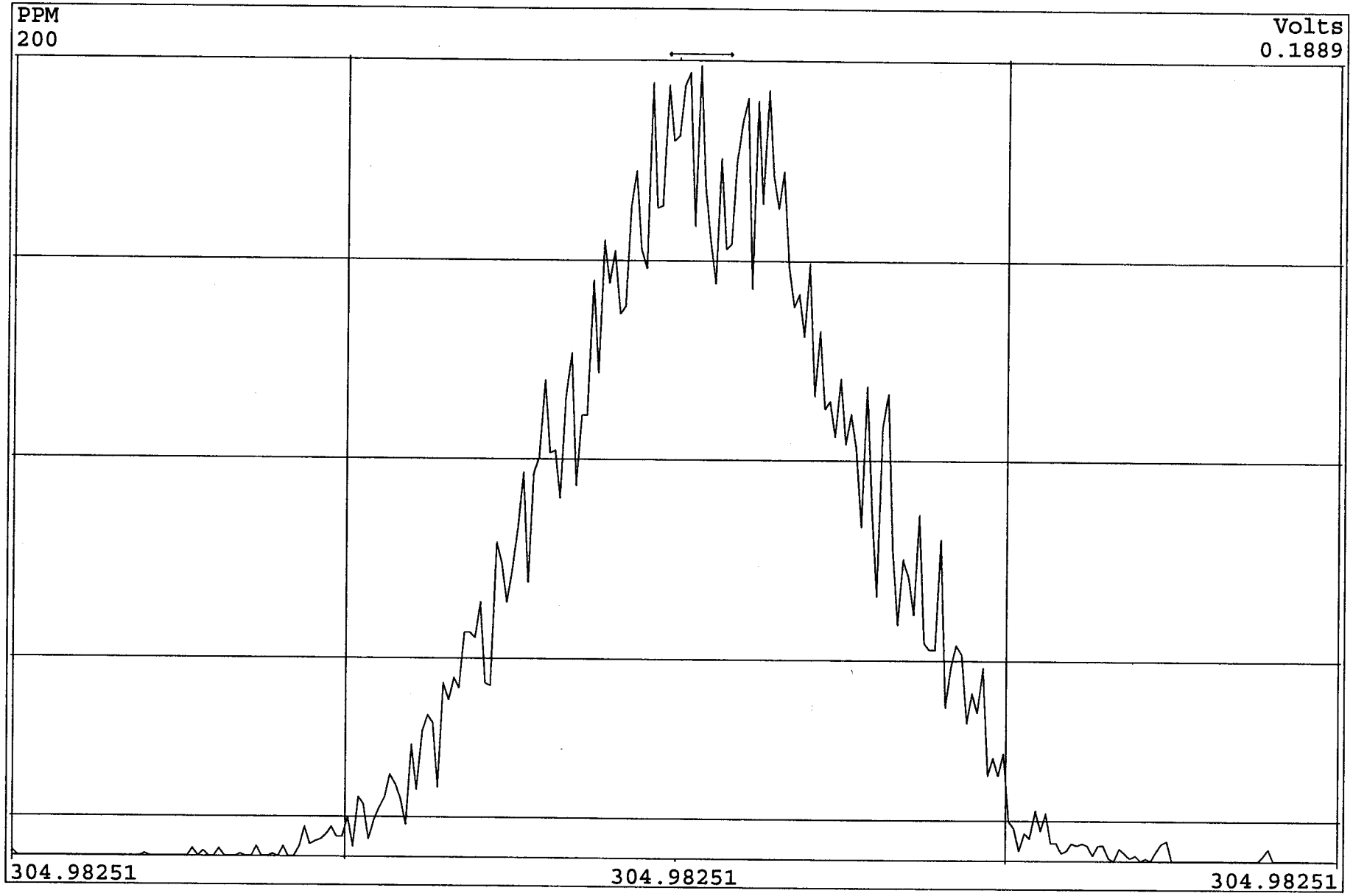




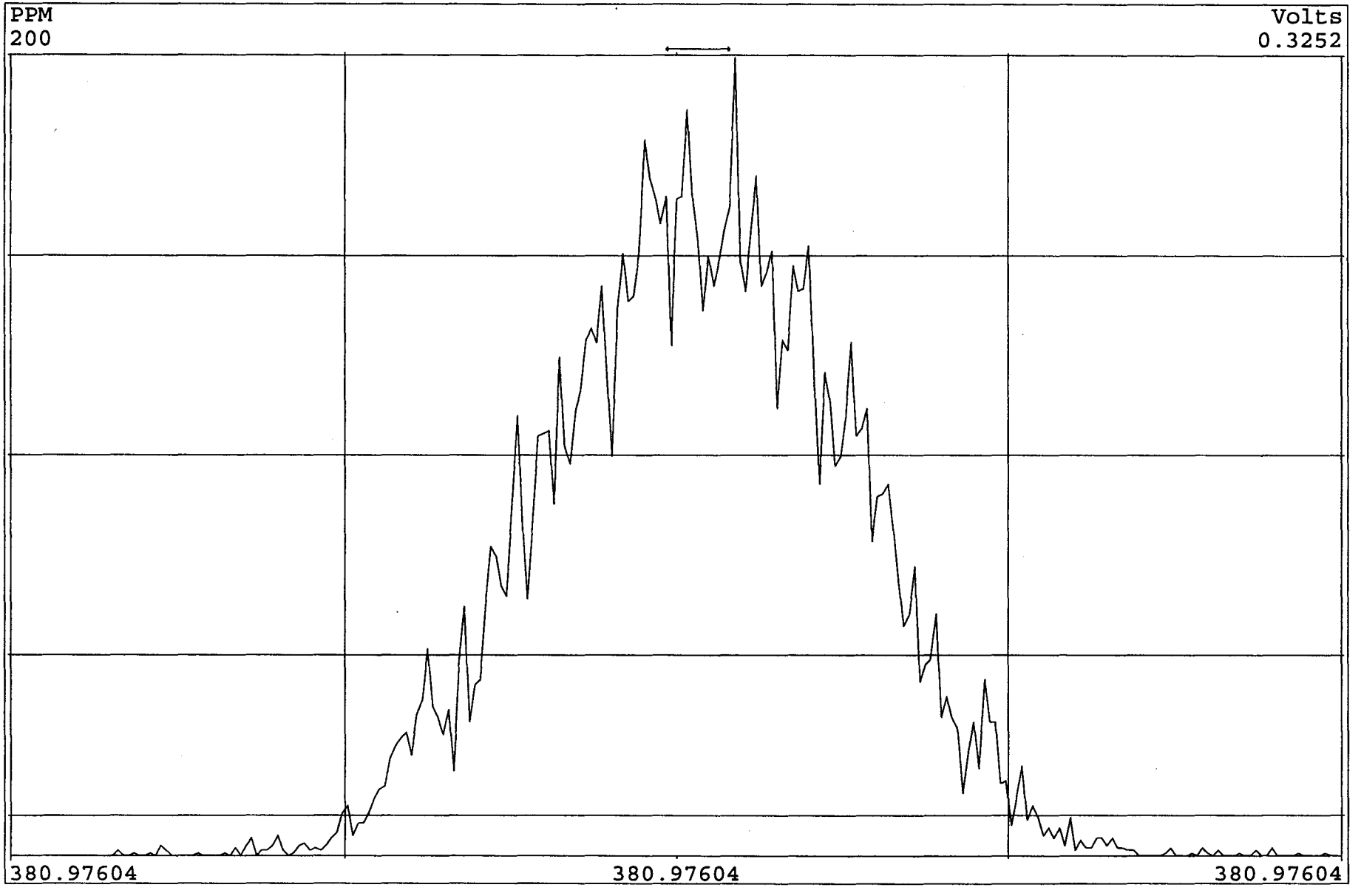
SIRLM Examination: 1-SEP-2010:21:08 File:01SE104D5
Experiment:DIOXINRES Function:6



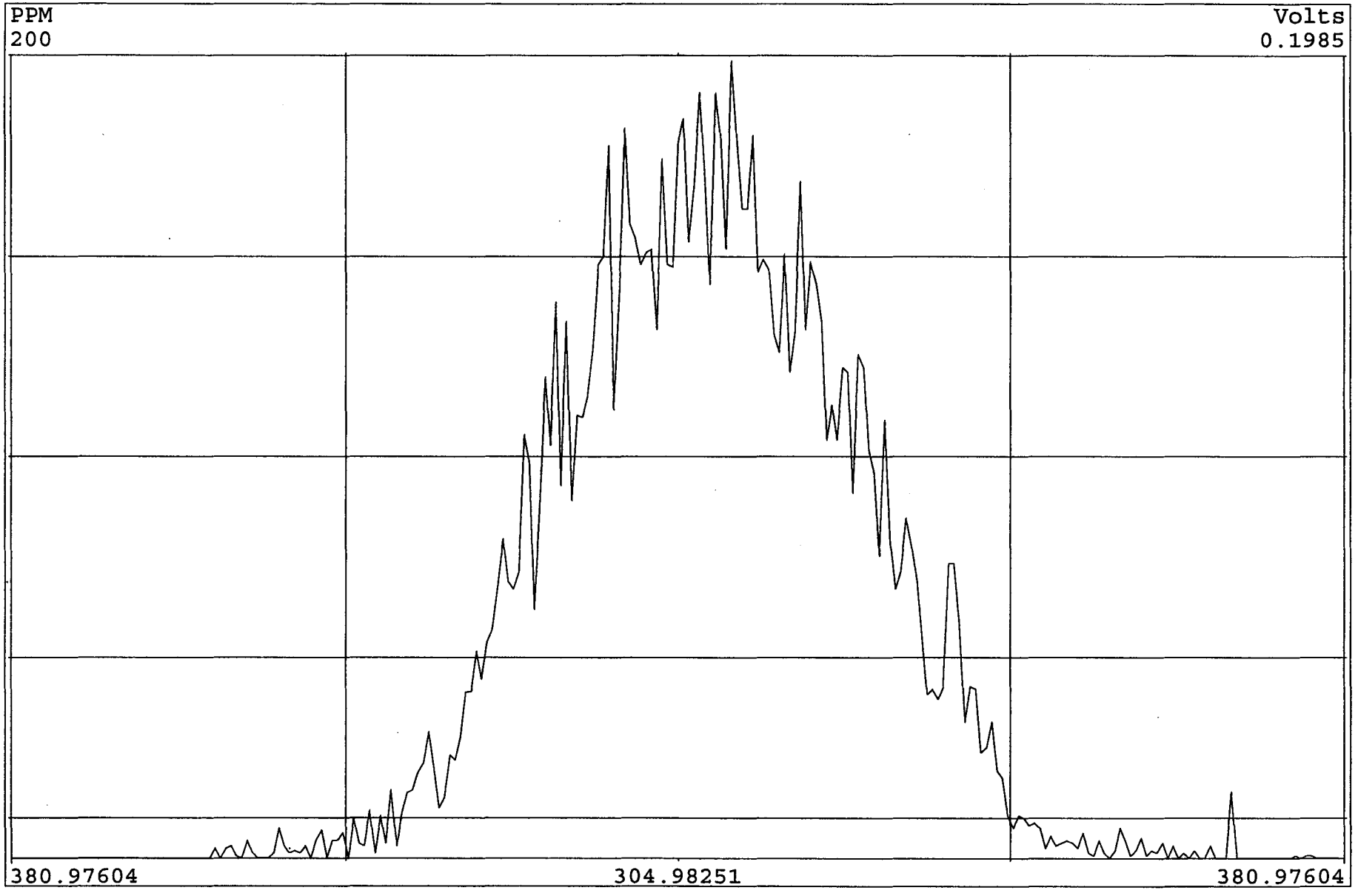
SIRLM Examination: 1-SEP-2010:21:09 File:01SE104D5
Experiment:DIOXINRES Function:7



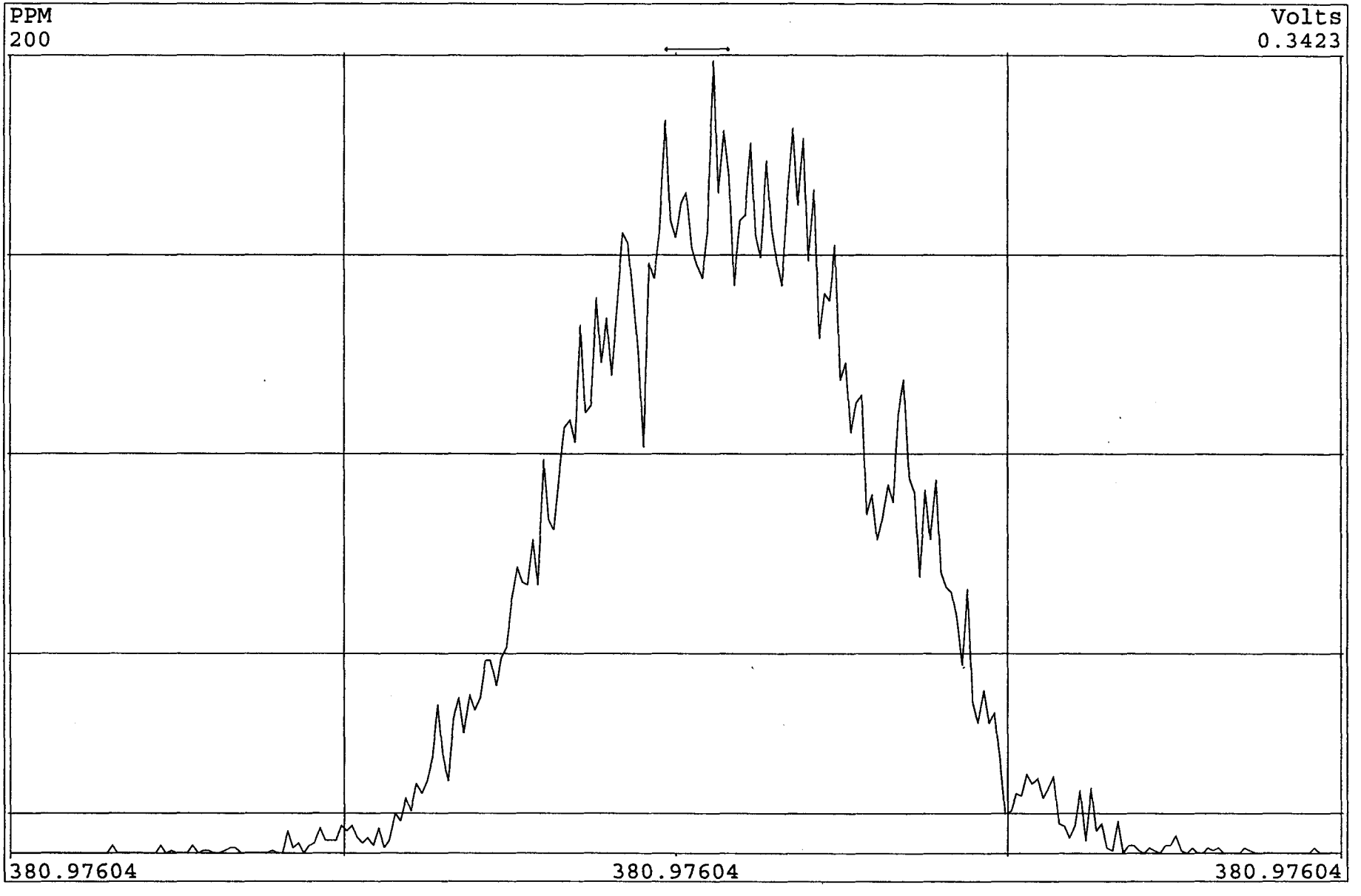
SIRLM Examination: 1-SEP-2010:21:52 File:01SE104D5
Experiment:DIOXINRES Function:6



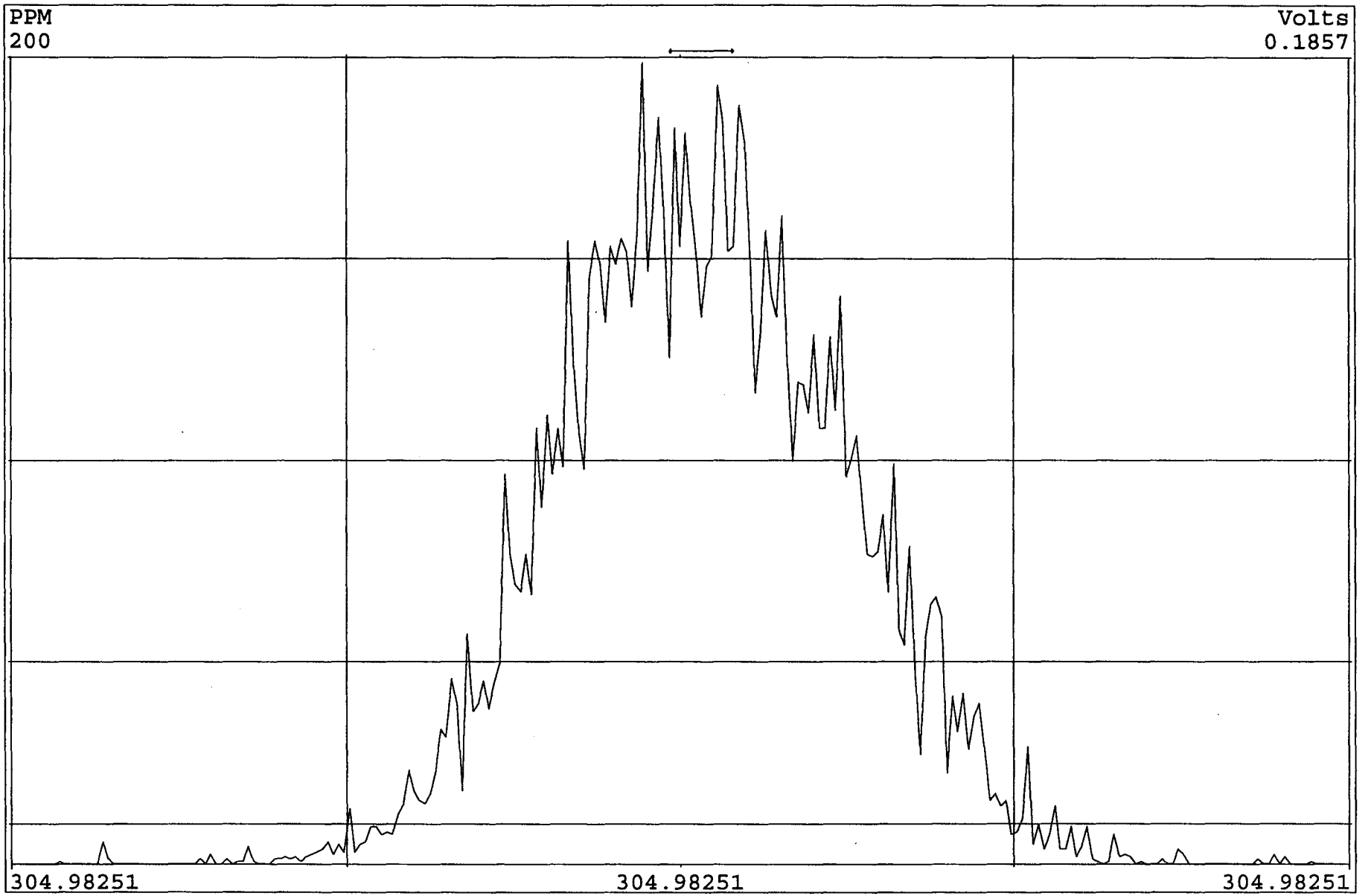
SIRLM Examination: 1-SEP-2010:21:53 File:01SE104D5
Experiment:DIOXINRES Function:7



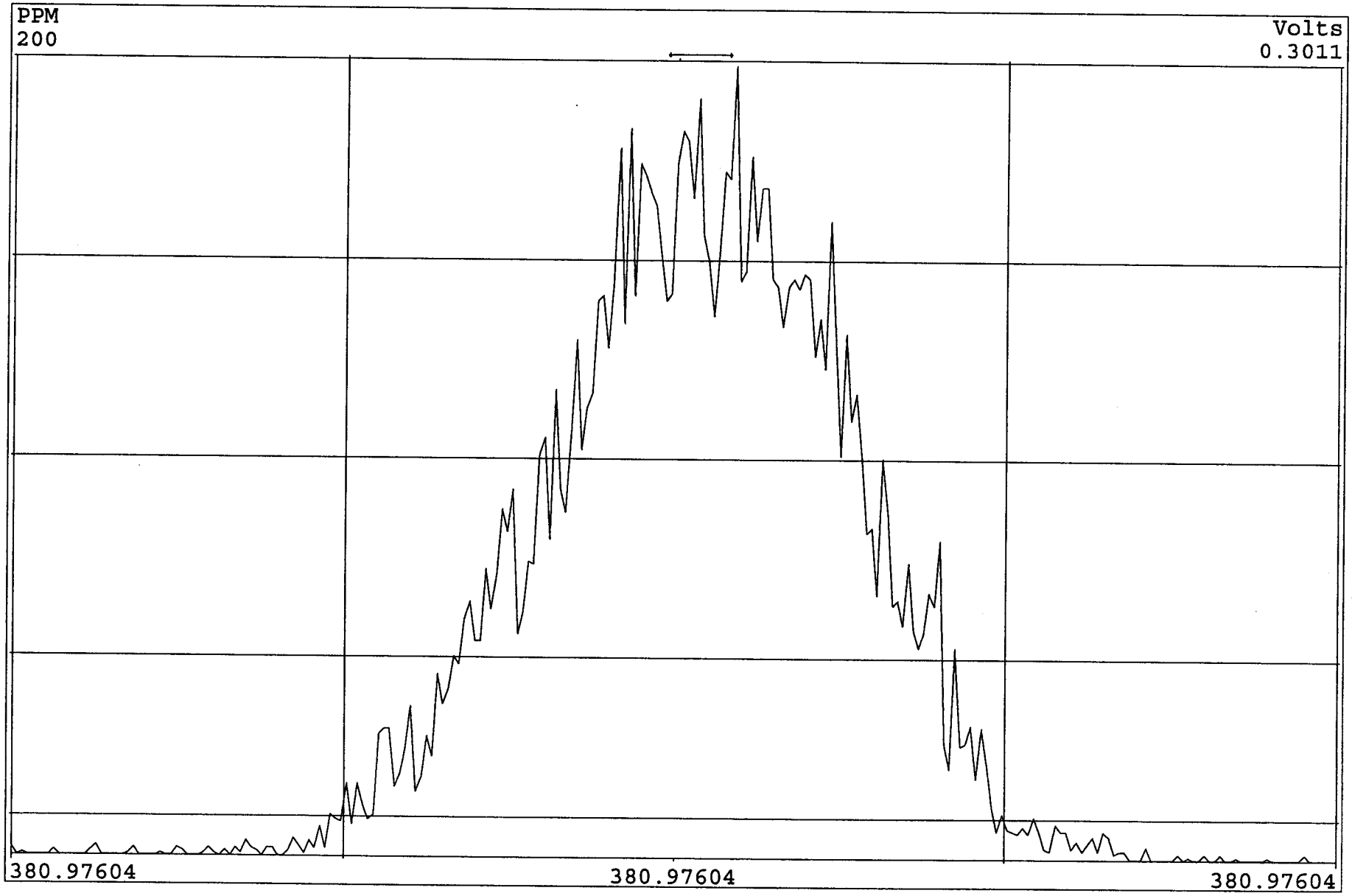
SIRLM Examination: 2-SEP-2010:07:32 File:01SE104D5
Experiment:DIOXINRES Function:6



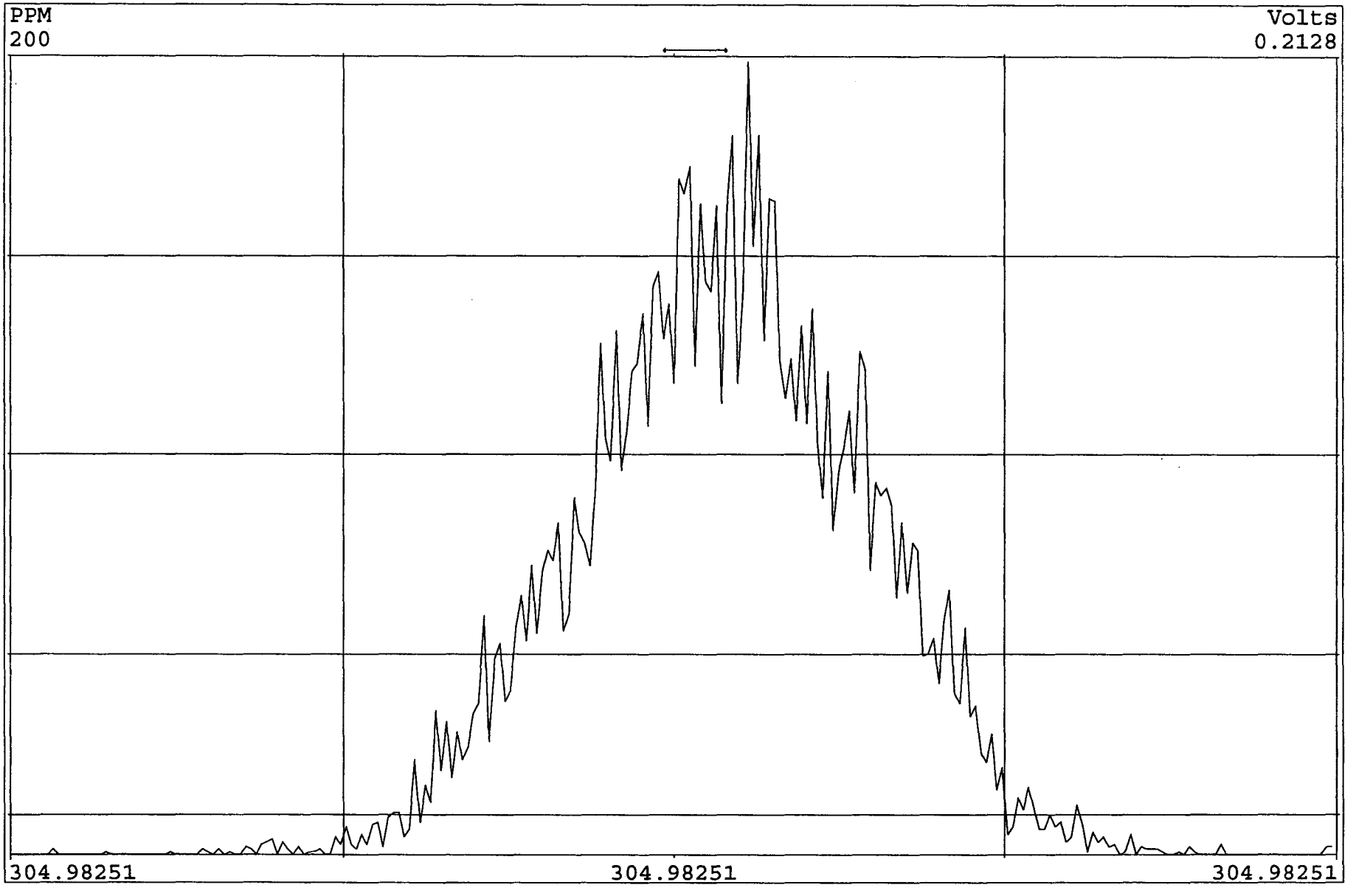
SIRLM Examination: 2-SEP-2010:07:33 File:01SE104D5
Experiment:DIOXINRES Function:7



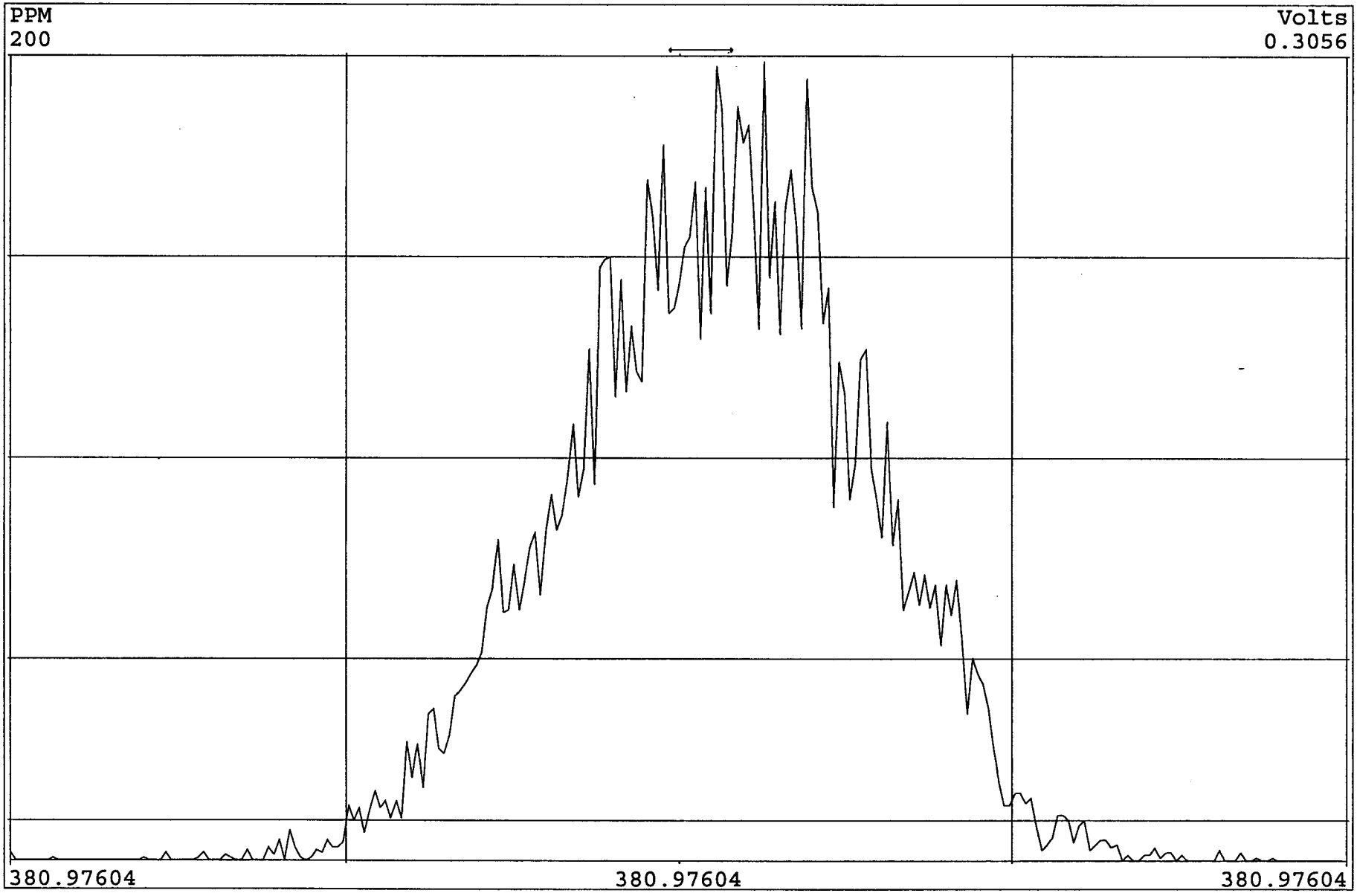
SIRLM Examination: 2-SEP-2010:08:17 File:01SE104D5
Experiment:DIOXINRES Function:6



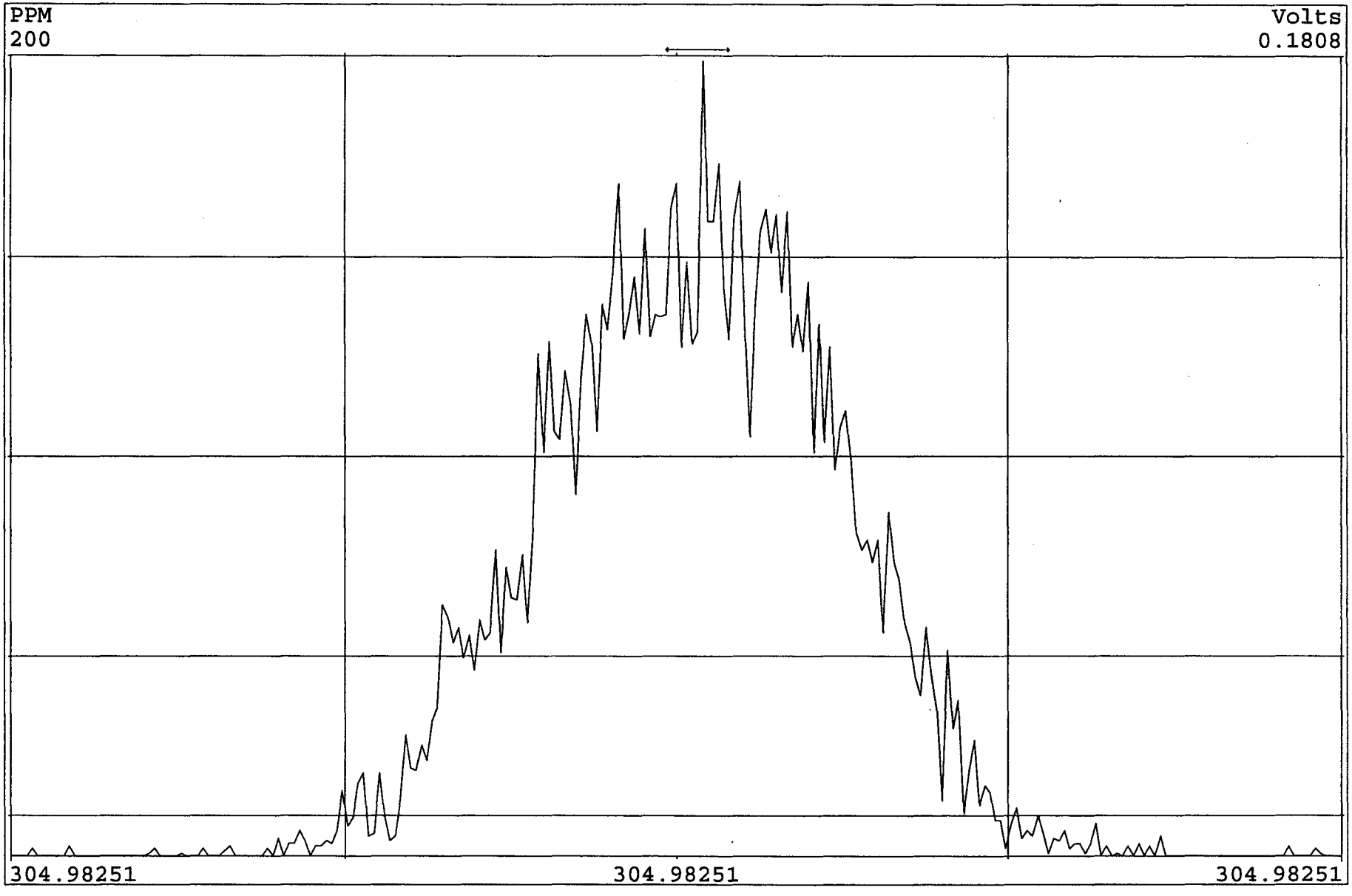
SIRLM Examination: 2-SEP-2010:08:18 File:01SE104D5
Experiment:DIOXINRES Function:7



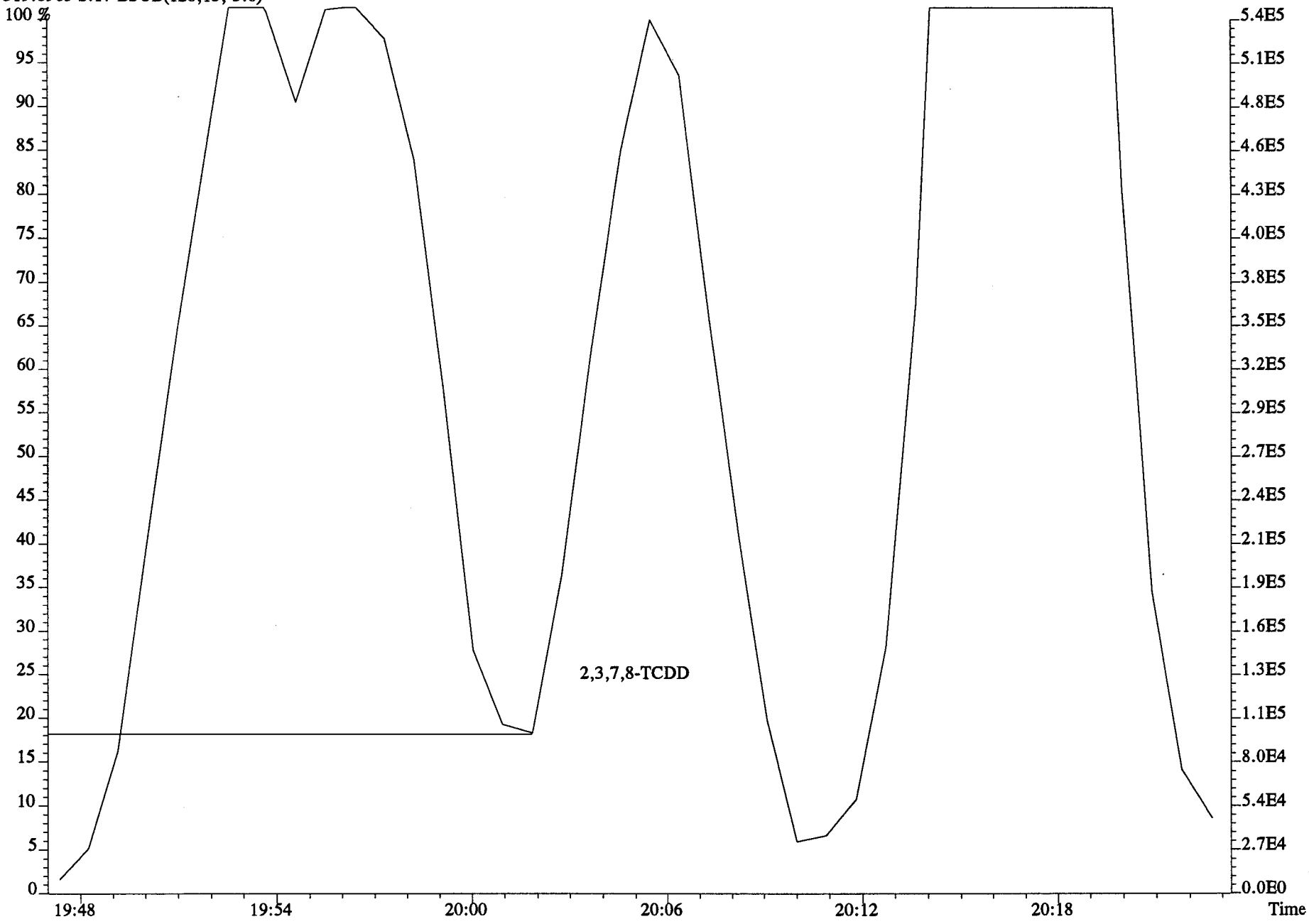
SIRLM Examination: 2-SEP-2010:09:01 File:01SE104D5
Experiment:DIOXINRES Function:6



SIRLM Examination: 2-SEP-2010:09:02 File:01SE104D5
Experiment:DIOXINRES Function:7



File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
319.8965 S:17 BSUB(128,15,-3.0)



Run: 01SE104D5 Analyte: TO9 Cal: TO90721104D5

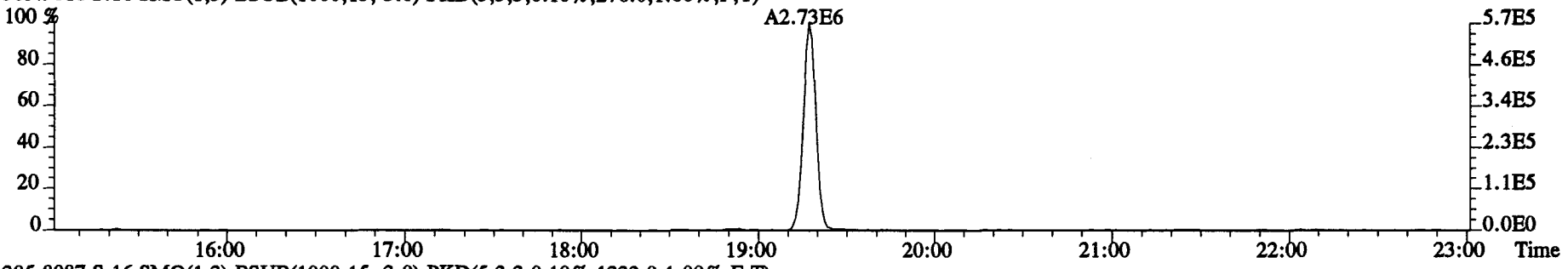
ST0721A :CS-1 10DXN342 ST0721B :CS-2 10DXN334 ST0721C :CS-3 10DXN336
ST0721D :CS-5 10DXN339 ST0721E :CS-4 10DXN337

Name	Mean	S. D.	%RSD	21JL10A4D5 S4 RRF1	21JL10A4D5 S5 RRF2	21JL10A4D5 S6 RRF3	21JL10A4D5 S7 RRF4	21JL10A4D5 S8 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.229	0.154	12.5 %	1.30	1.31	1.39	1.03	1.11
2,3,7,8-TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
Total TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
13C-2,3,7,8-TCDD	0.905	0.029	3.25 %	0.92	0.92	0.94	0.88	0.87
2,3,7,8-TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
Total TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
37Cl-2,3,7,8-TCDD	1.326	0.015	1.12 %	1.33	1.31	1.32	1.35	1.32
13C-1,2,3,7,8-PeCDF	0.876	0.018	2.08 %	0.86	0.90	0.86	0.89	0.87
1,2,3,7,8-PeCDF	1.077	0.042	3.92 %	1.03	1.04	1.08	1.11	1.12
2,3,4,7,8-PeCDF	1.046	0.040	3.80 %	1.00	1.02	1.08	1.04	1.09
Total F2 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
Total F1 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
13C-1,2,3,7,8-PeCDD	0.661	0.010	1.45 %	0.65	0.66	0.67	0.67	0.65
1,2,3,7,8-PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
Total PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.045	0.067	6.44 %	1.03	1.15	0.98	1.00	1.07
1,2,3,4,7,8-HxCDF	1.217	0.012	1.02 %	1.21	1.20	1.22	1.22	1.23
1,2,3,6,7,8-HxCDF	1.282	0.089	6.95 %	1.19	1.22	1.41	1.33	1.26
2,3,4,6,7,8-HxCDF	1.233	0.080	6.49 %	1.19	1.15	1.35	1.27	1.21
1,2,3,7,8,9-HxCDF	1.098	0.096	8.73 %	1.08	0.99	1.25	1.10	1.06
Total HxCDF	1.208	0.066	5.43 %	1.17	1.14	1.31	1.23	1.19
13C-1,2,3,6,7,8-HxCDD	0.831	0.055	6.68 %	0.84	0.83	0.92	0.77	0.79
1,2,3,4,7,8-HxCDD	1.037	0.122	11.8 %	0.90	0.99	0.97	1.17	1.16

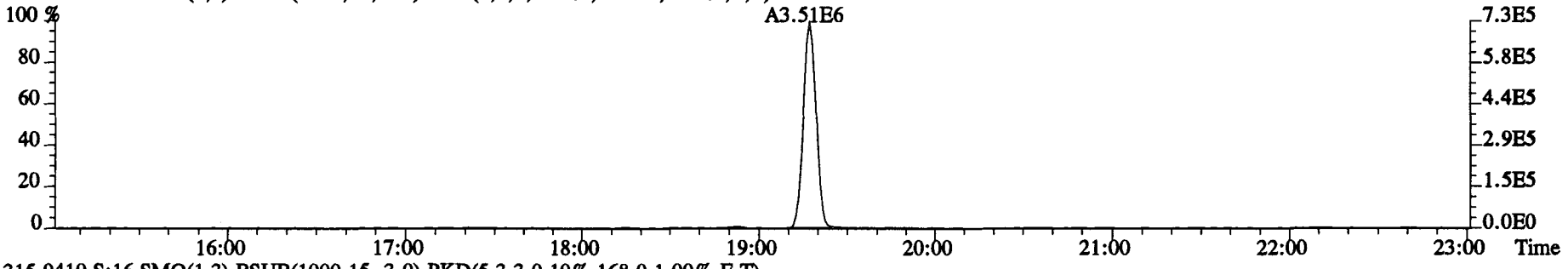
1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	1.35	1.38
1,2,3,4,7,8,9-HpCDF	1.093	0.049	4.49 %	1.01	1.09	1.11	1.13	1.13
Total HpCDF	1.220	0.037	3.05 %	1.16	1.21	1.23	1.24	1.26
13C-1,2,3,4,6,7,8-HpCDD	0.827	0.049	5.98 %	0.89	0.85	0.83	0.76	0.79
1,2,3,4,6,7,8-HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
Total HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
13C-OCDD	0.620	0.029	4.60 %	0.66	0.63	0.63	0.60	0.59
OCDF	1.370	0.027	1.98 %	1.36	1.35	1.35	1.39	1.41
OCDD	1.199	0.066	5.48 %	1.31	1.17	1.16	1.17	1.19

File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES

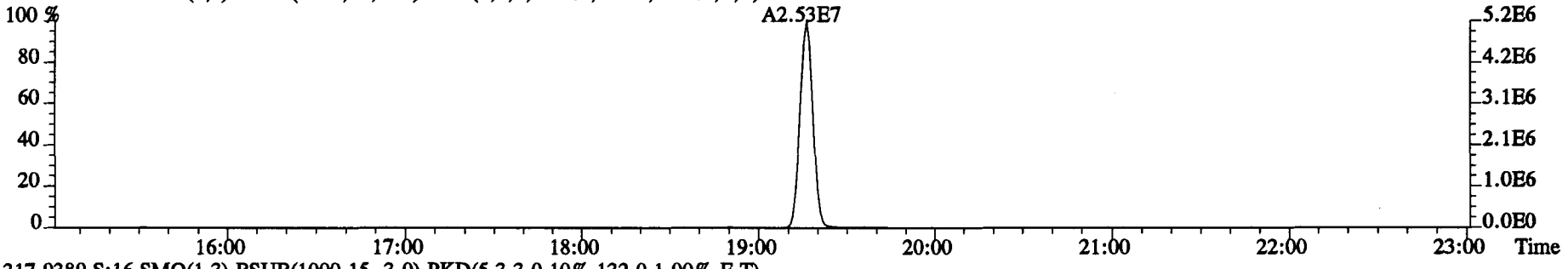
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,276.0,1.00%,F,T)



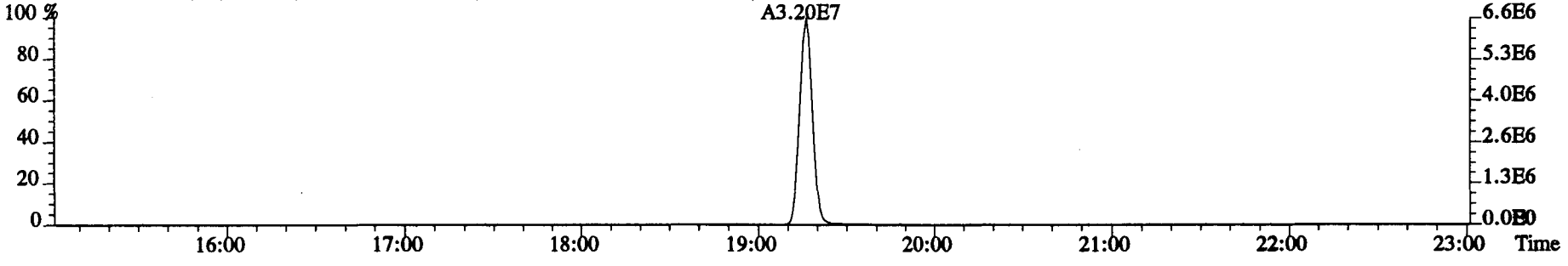
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1232.0,1.00%,F,T)



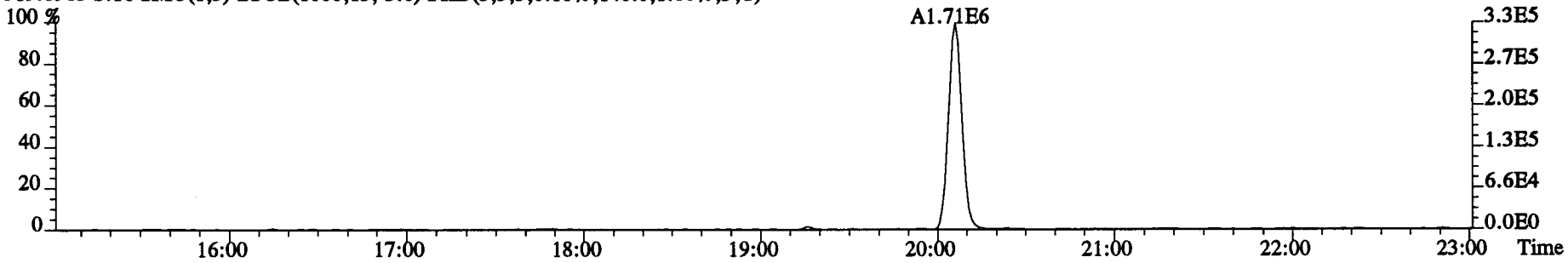
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)



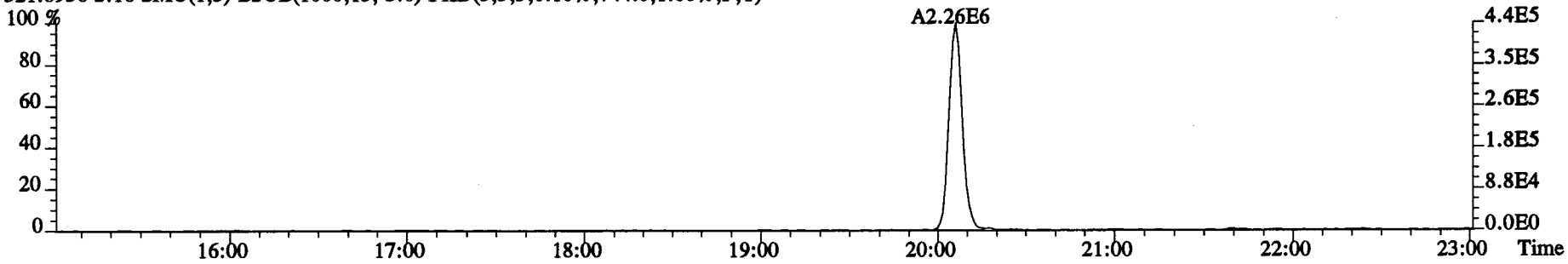
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



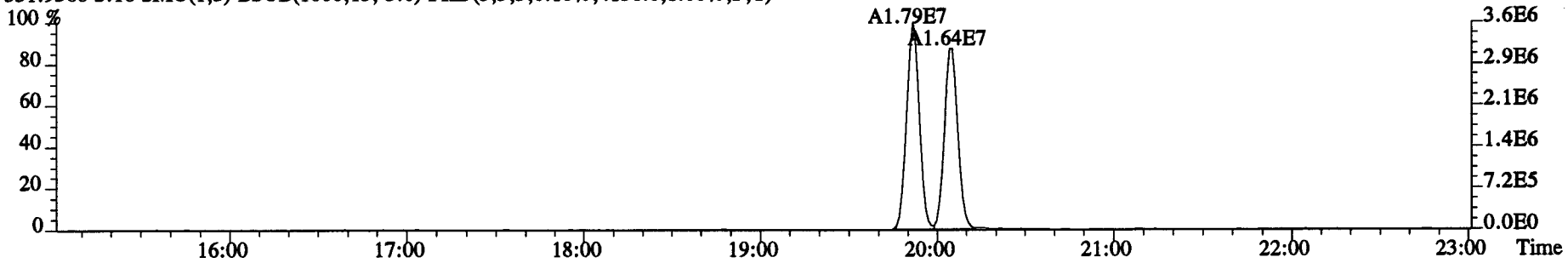
File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



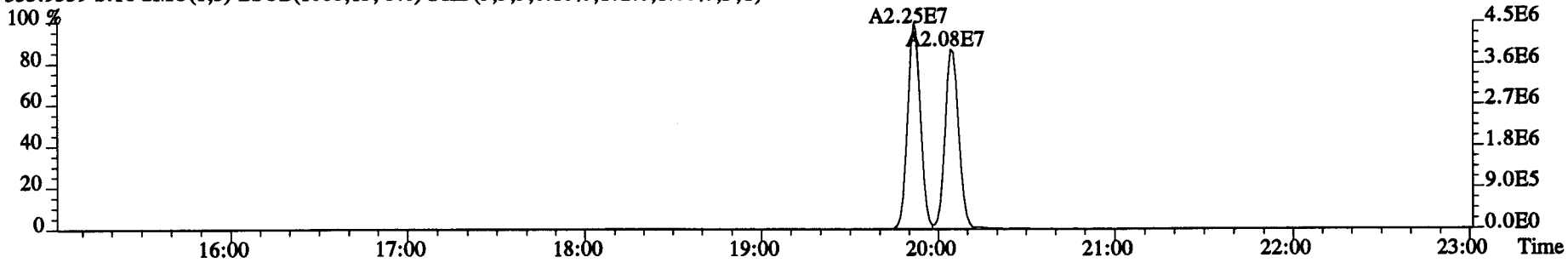
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,744.0,1.00%,F,T)



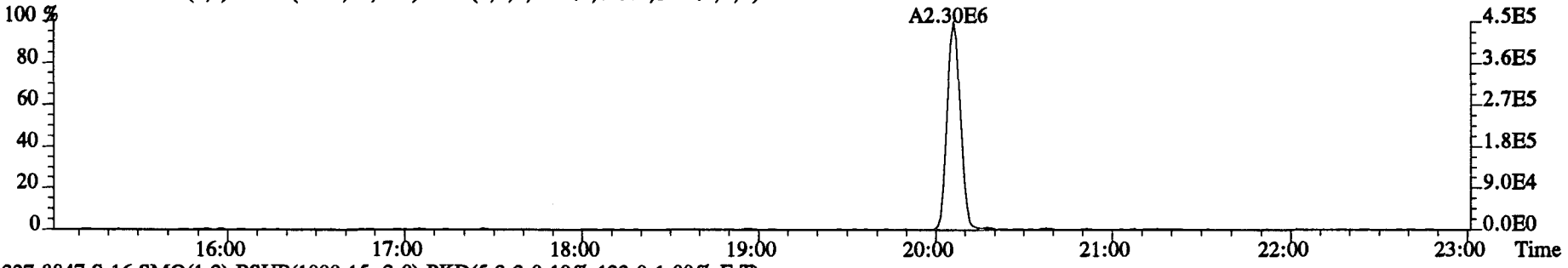
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4156.0,1.00%,F,T)



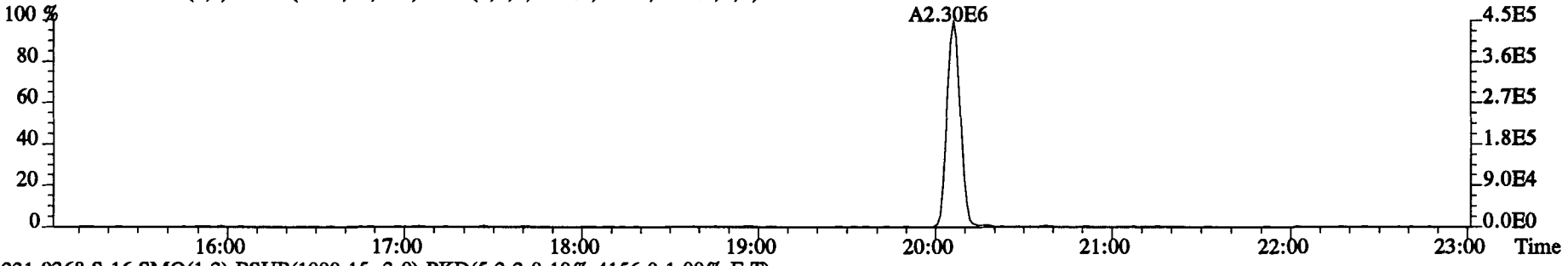
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172.0,1.00%,F,T)



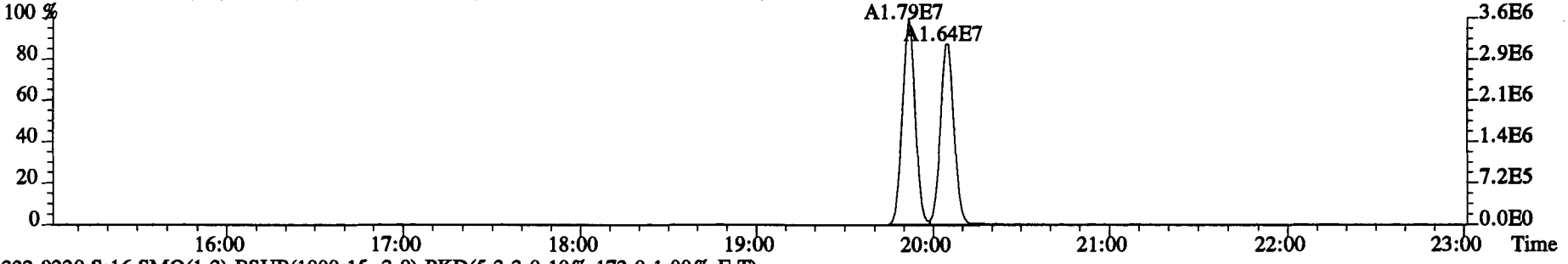
File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
327.8847 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



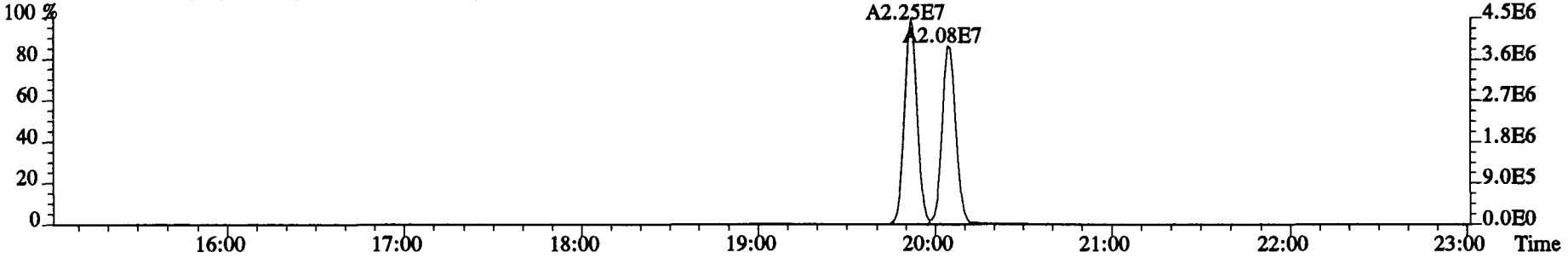
327.8847 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



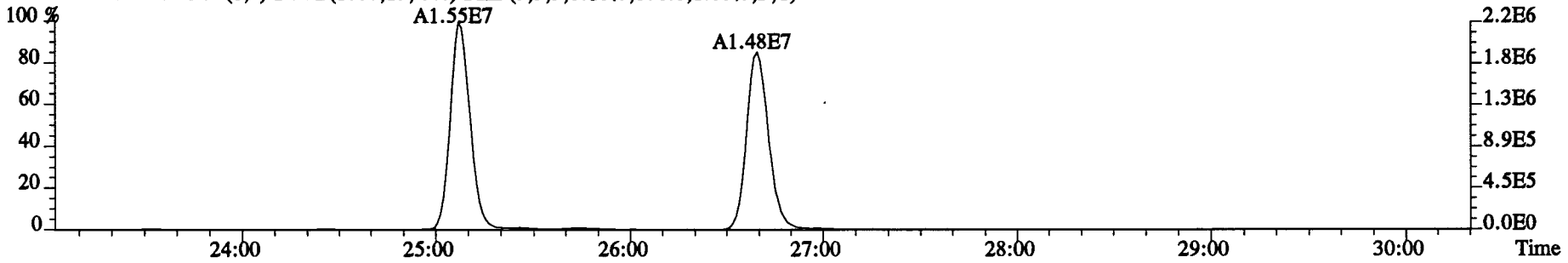
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4156.0,1.00%,F,T)



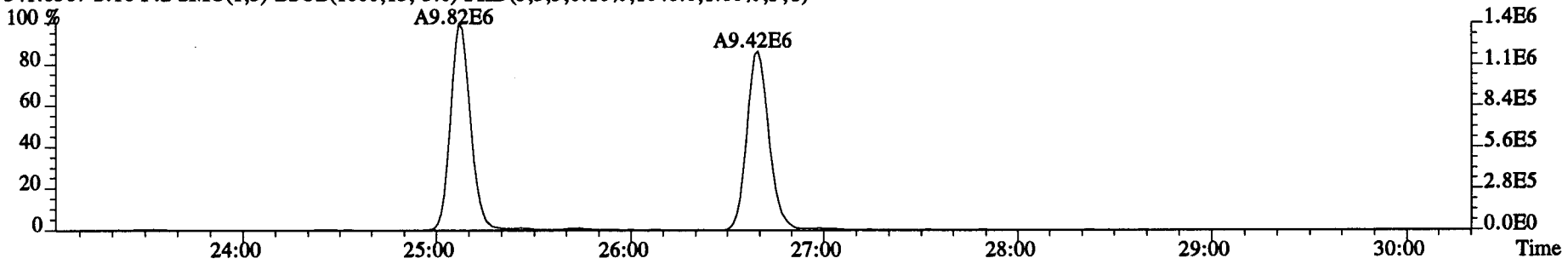
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172.0,1.00%,F,T)



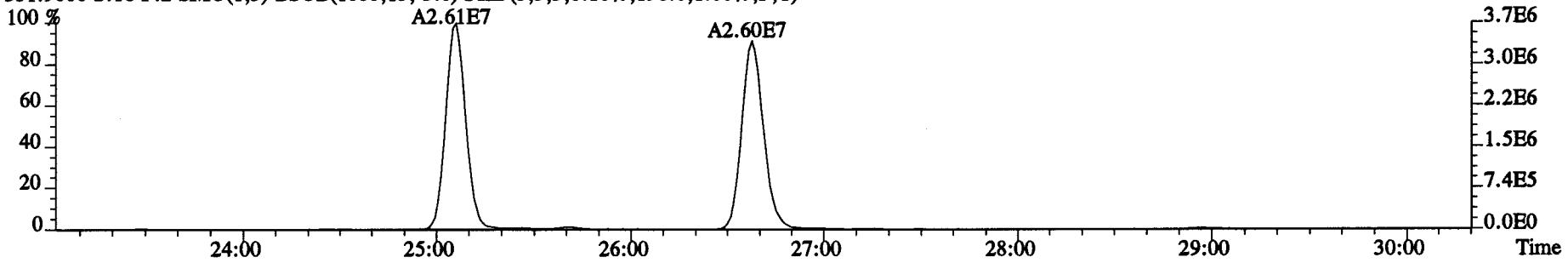
File:01SE104D5 #1-469 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,876.0,1.00%,F,T)



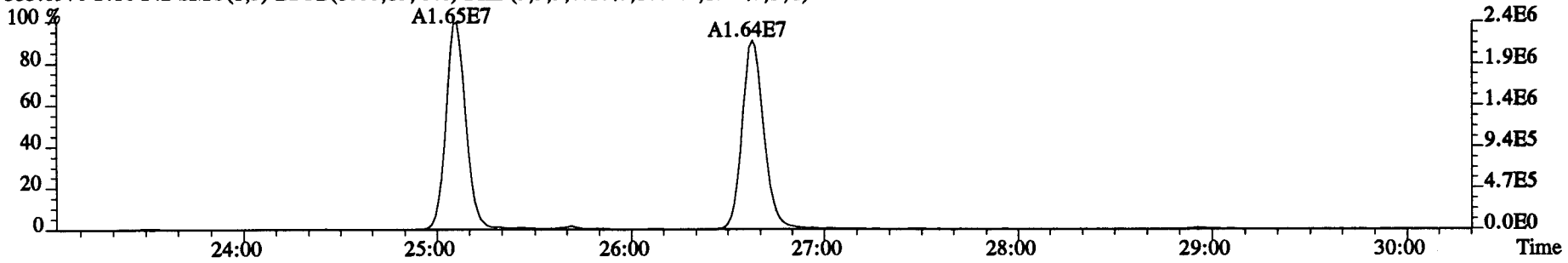
341.8567 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1048.0,1.00%,F,T)



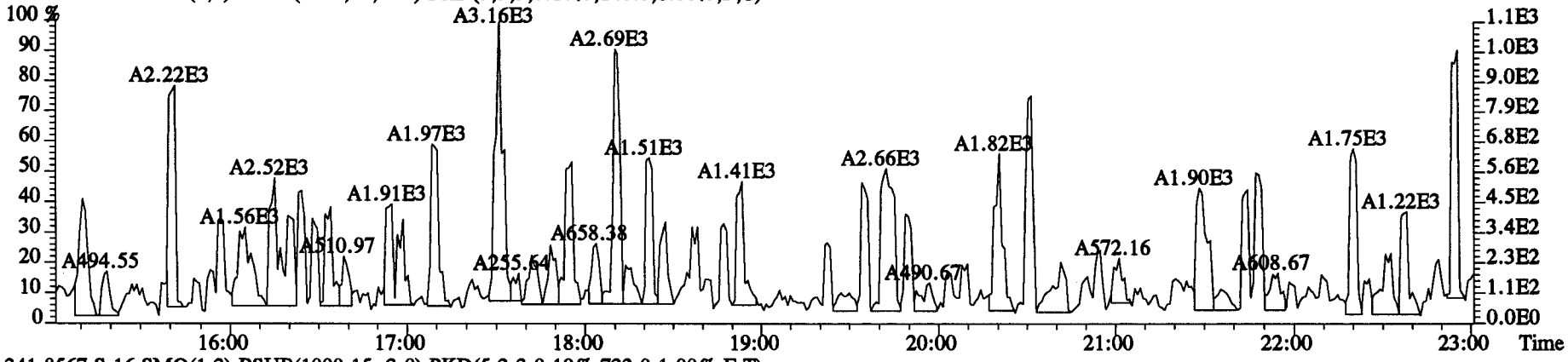
351.9000 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,196.0,1.00%,F,T)



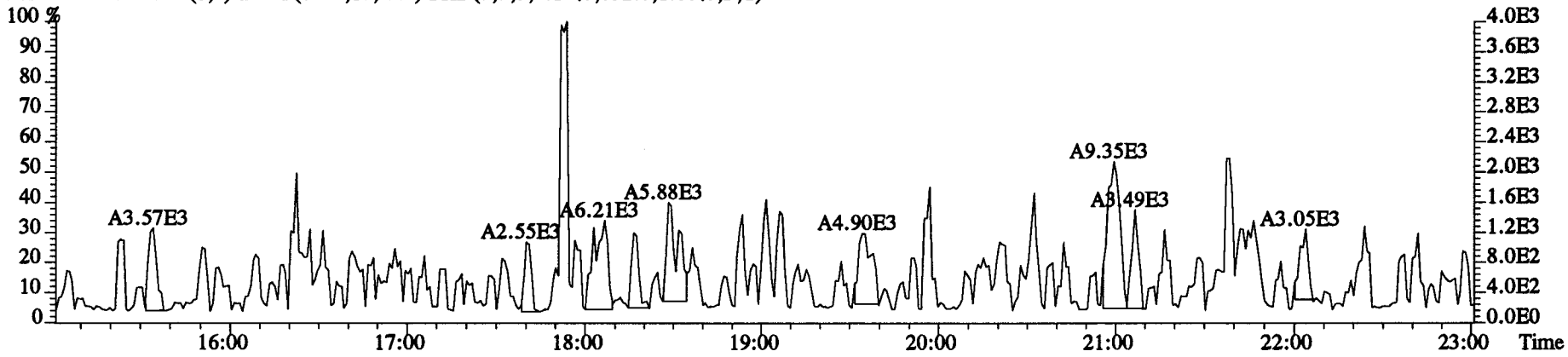
353.8970 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1680.0,1.00%,F,T)



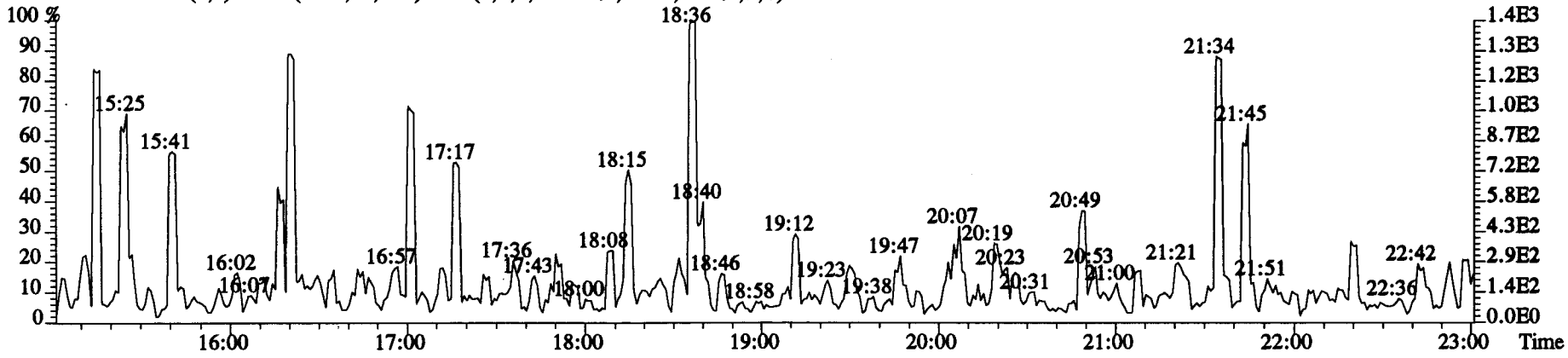
File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



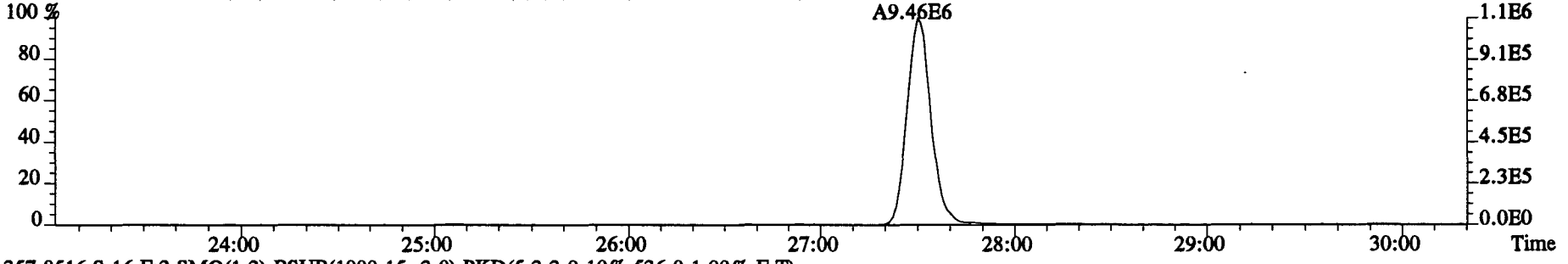
341.8567 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



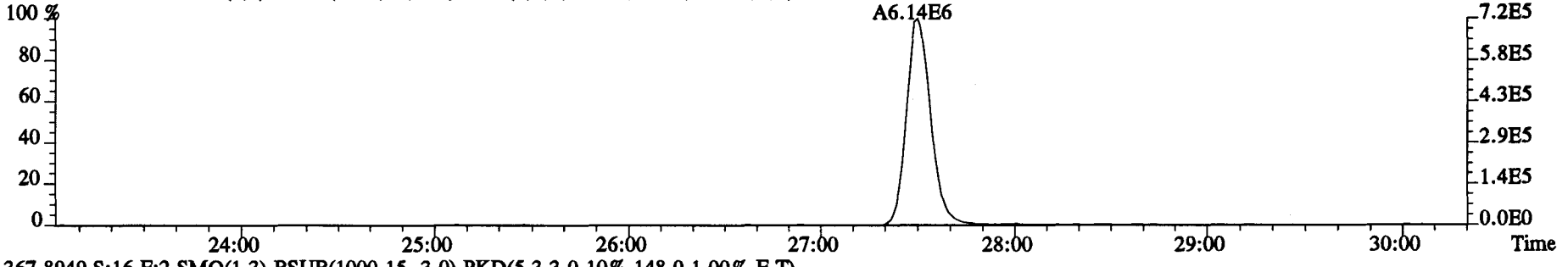
409.7974 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,136.0,1.00%,F,T)



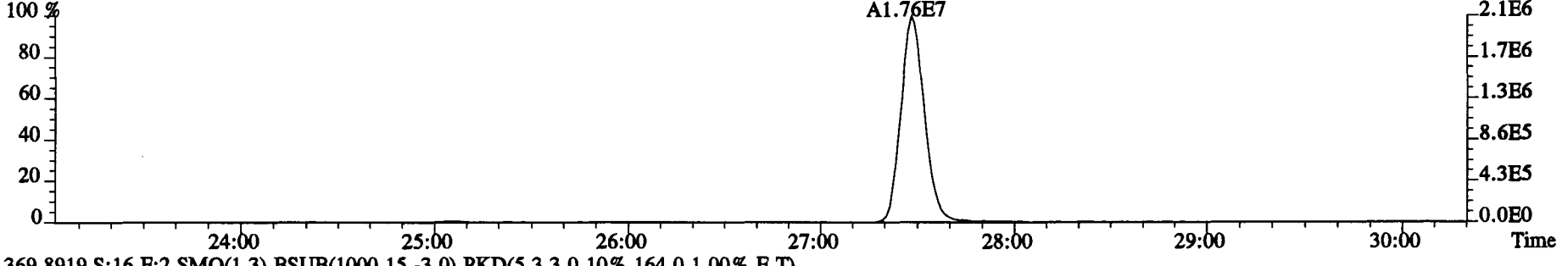
File:01SE104D5 #1-469 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
355.8546 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1356.0,1.00%,F,T)



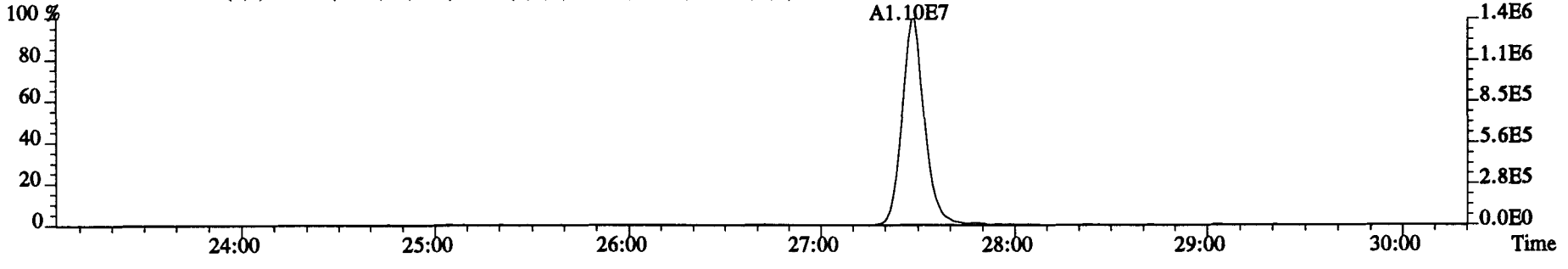
357.8516 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,536.0,1.00%,F,T)



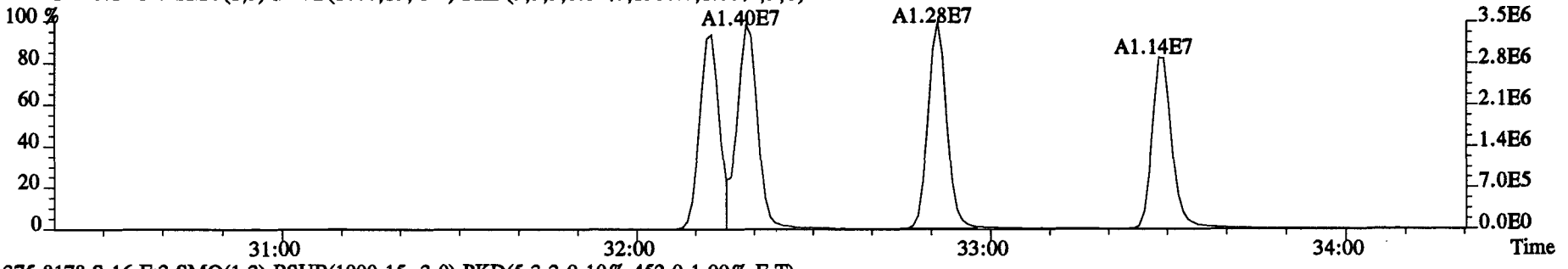
367.8949 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)



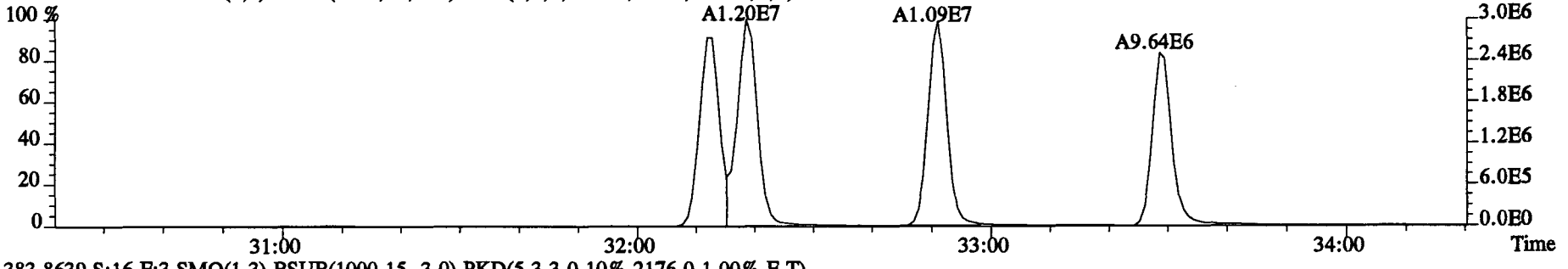
369.8919 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,164.0,1.00%,F,T)



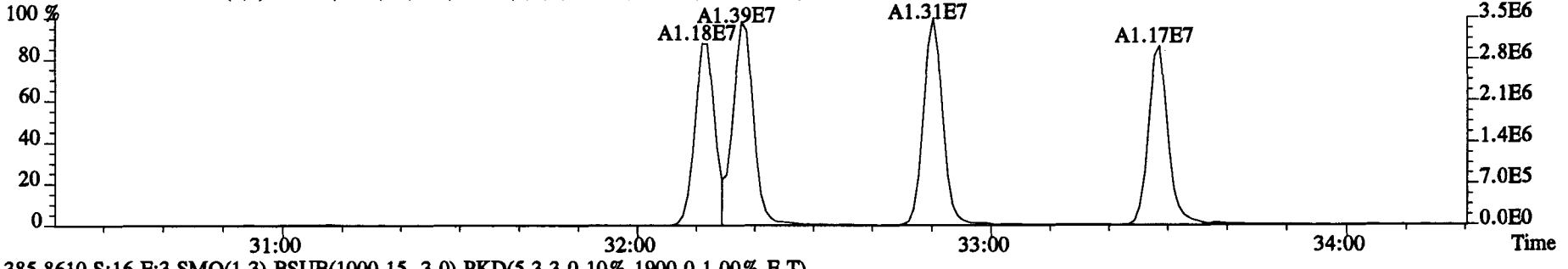
File:01SE104D5 #1-287 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1380.0,1.00%,F,T)



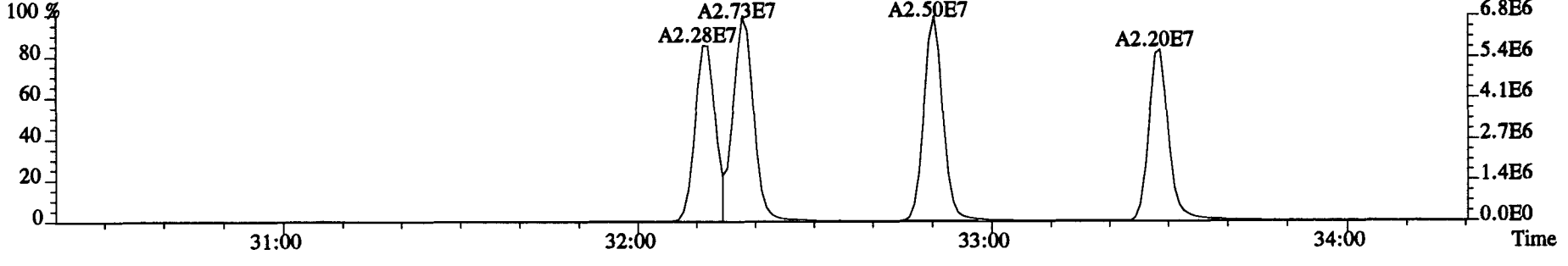
375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,452.0,1.00%,F,T)



383.8639 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2176.0,1.00%,F,T)

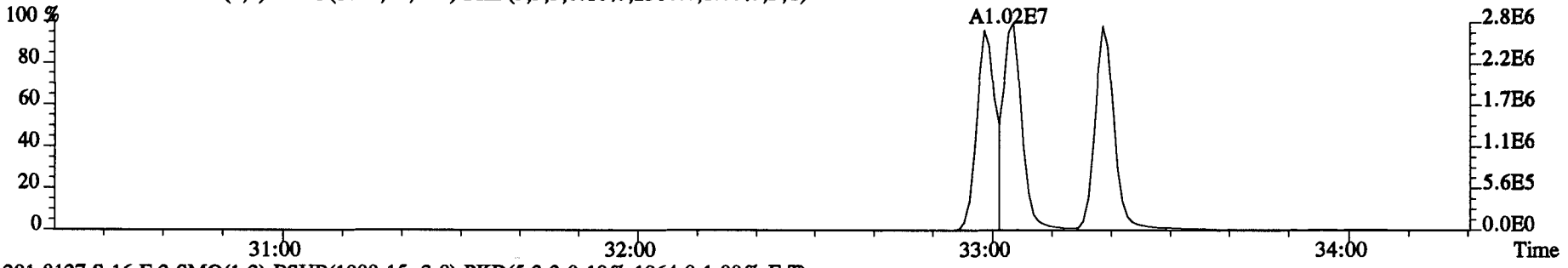


385.8610 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1900.0,1.00%,F,T)

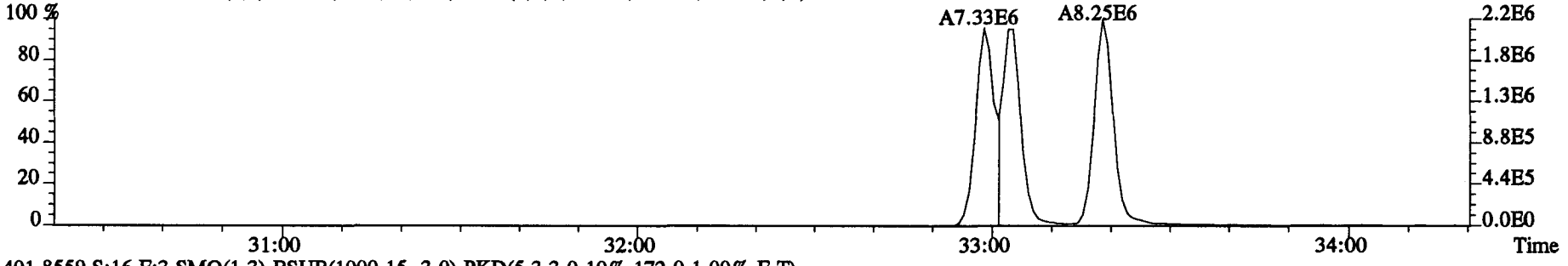


File:01SE104D5 #1-287 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES

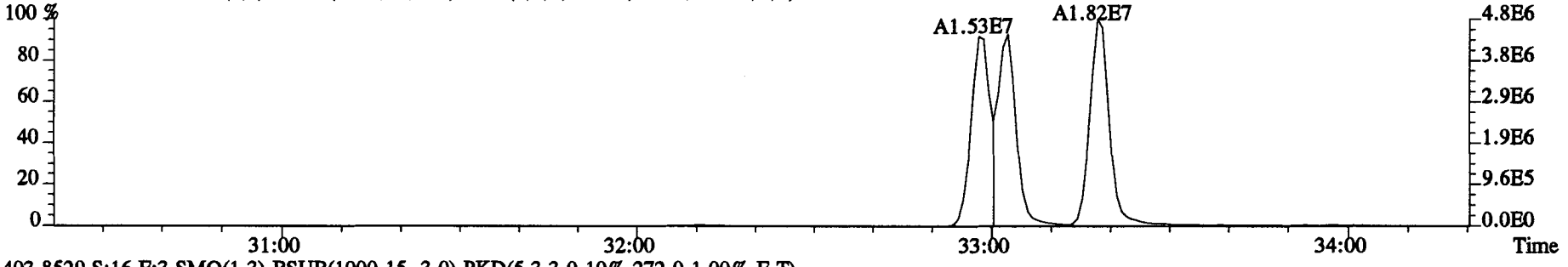
389.8157 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2300.0,1.00%,F,T)



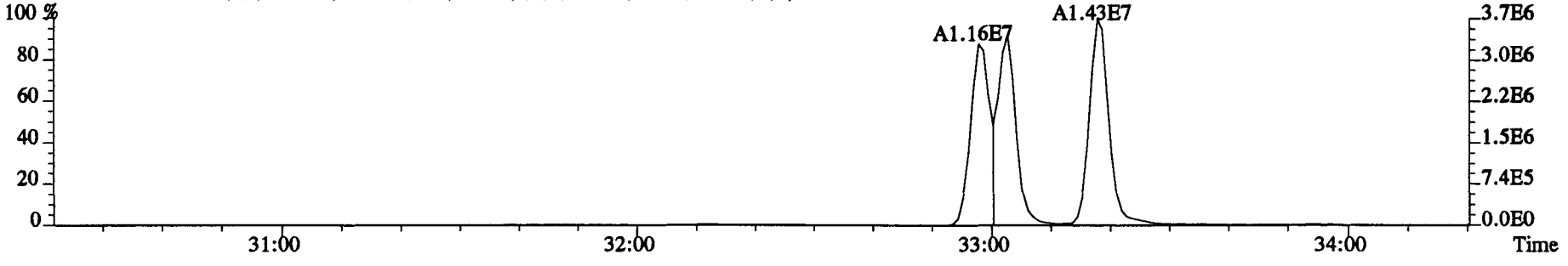
391.8127 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)



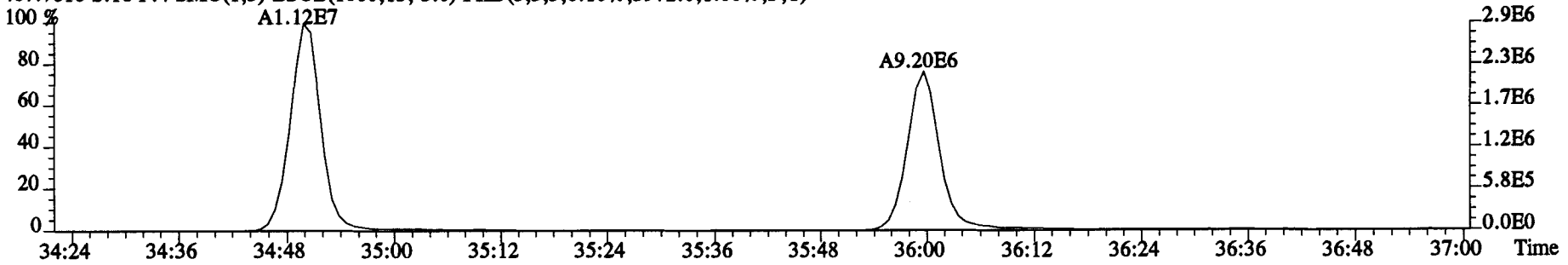
401.8559 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172.0,1.00%,F,T)

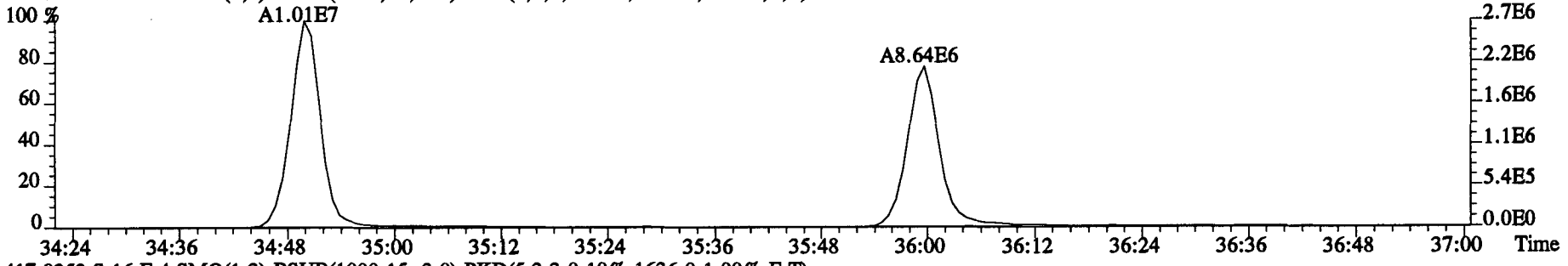


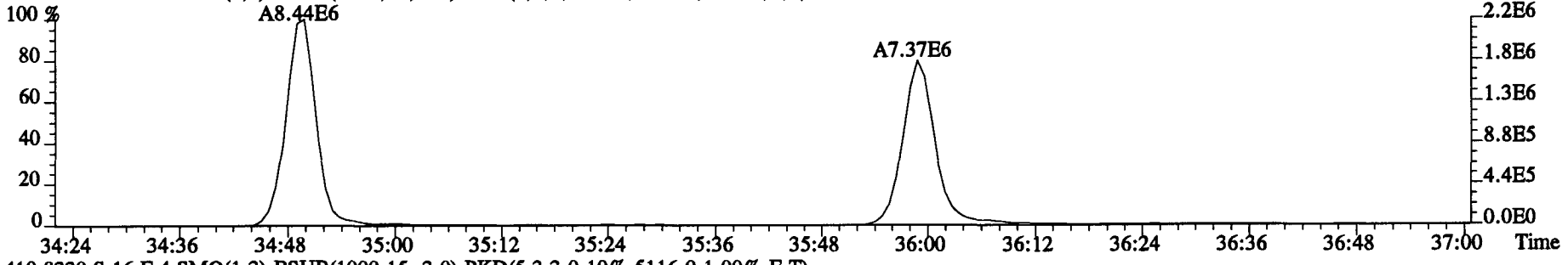
403.8529 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,272.0,1.00%,F,T)

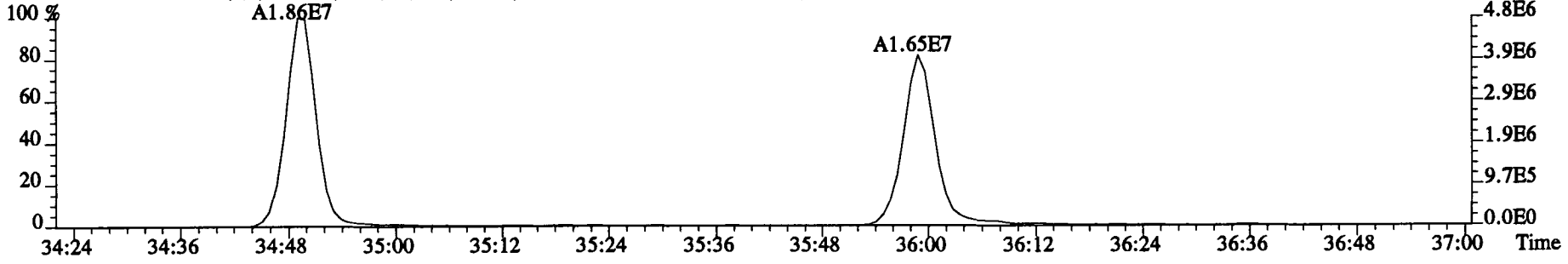


File:01SE104D5 #1-201 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES

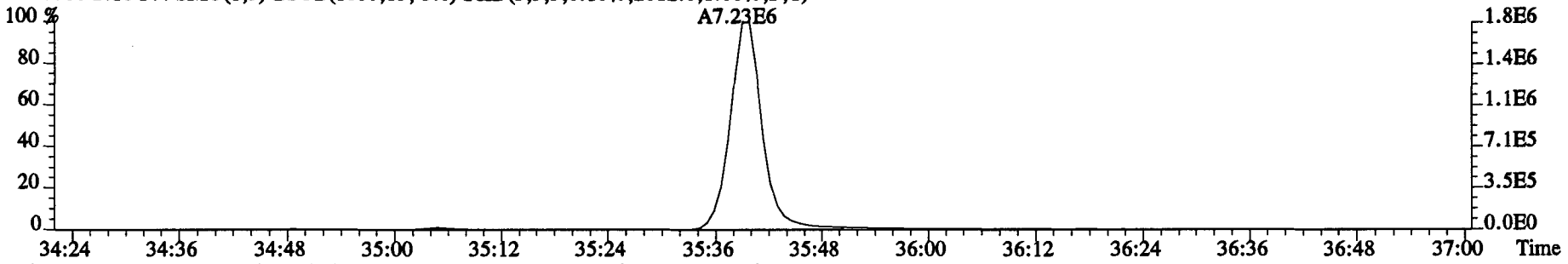




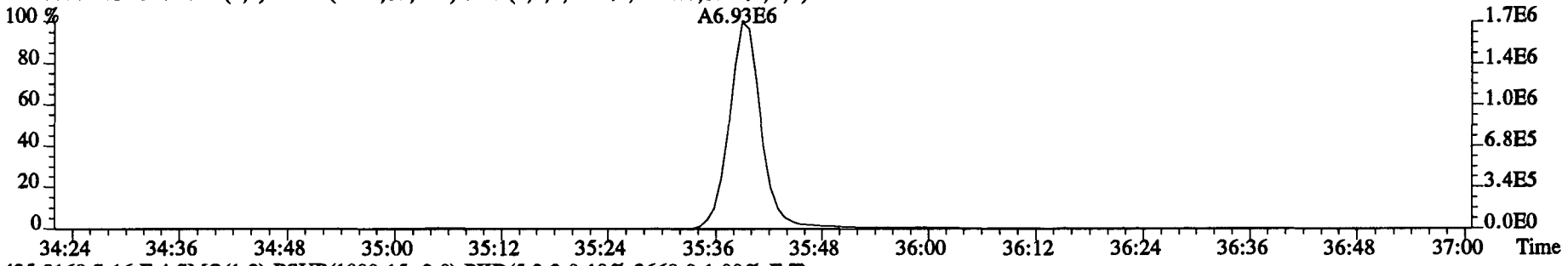




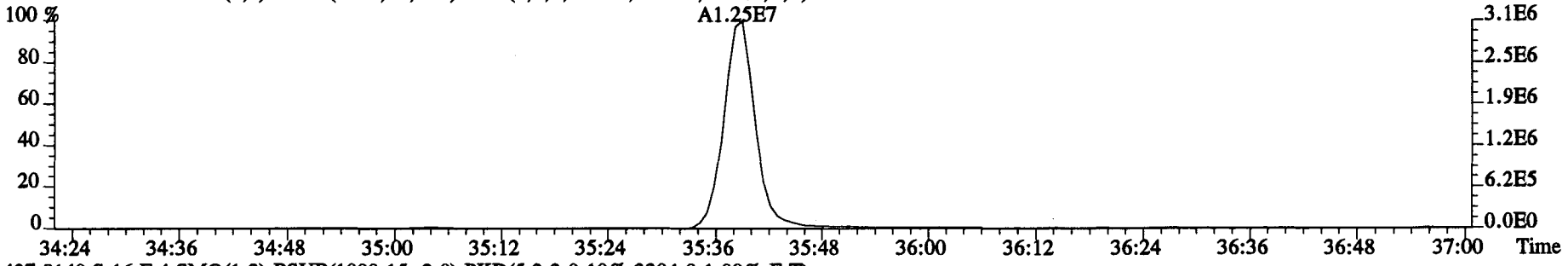
File:01SE104D5 #1-201 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
423.7766 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2012.0,1.00%,F,T)



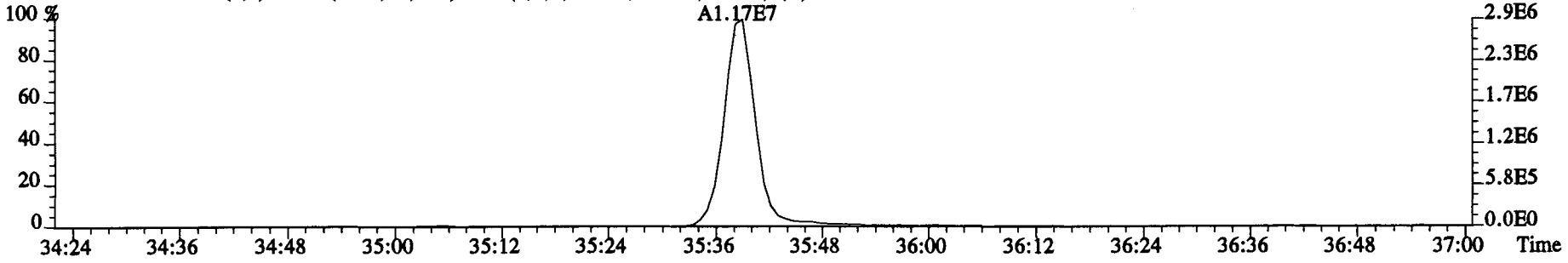
425.7737 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1804.0,1.00%,F,T)



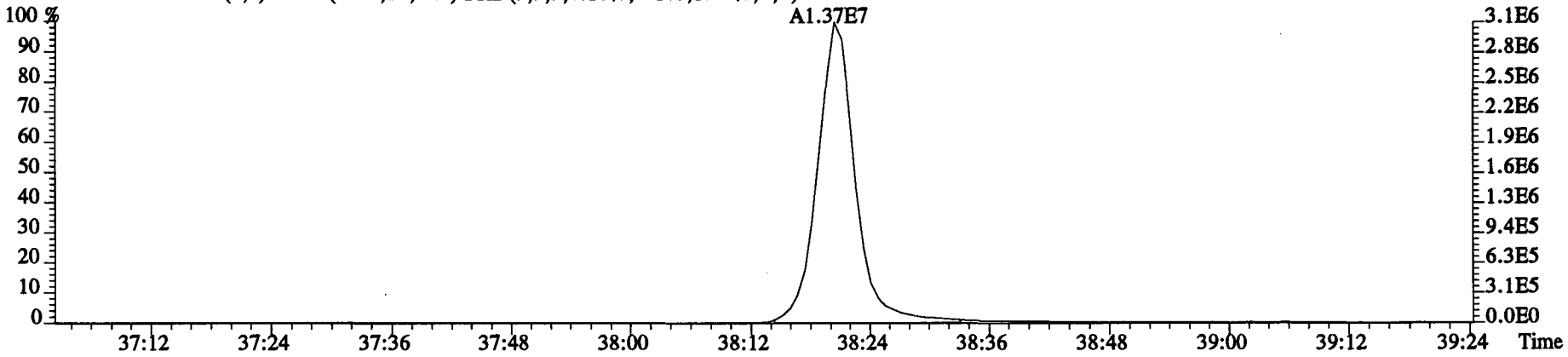
435.8169 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2668.0,1.00%,F,T)



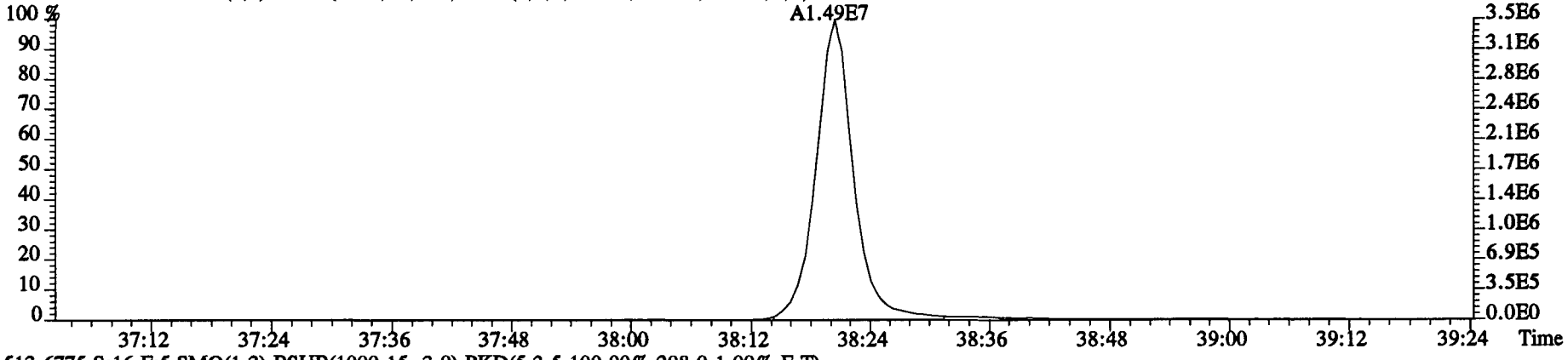
437.8140 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3204.0,1.00%,F,T)



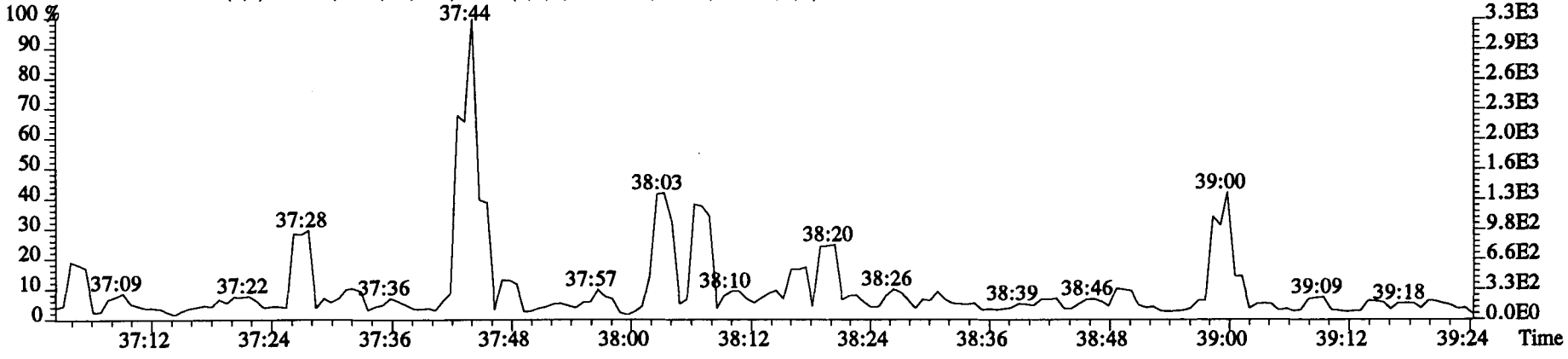
File:01SE104D5 #1-192 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,892.0,1.00%,F,T)



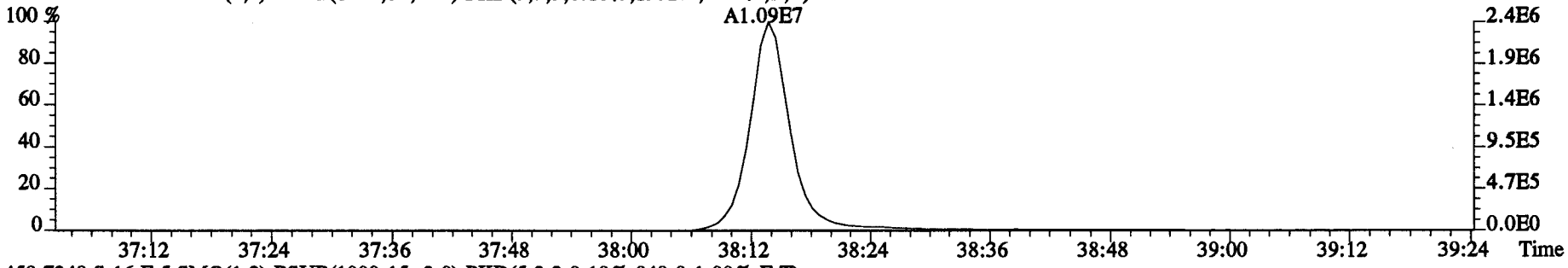
443.7399 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



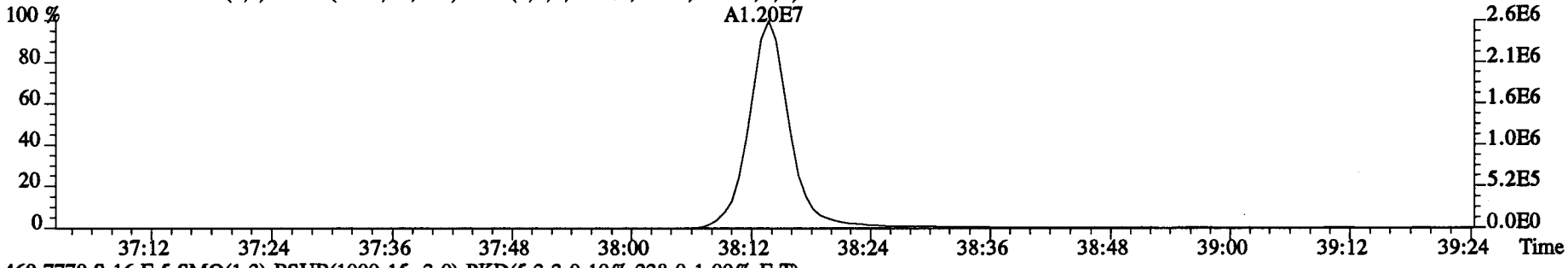
513.6775 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,208.0,1.00%,F,T)



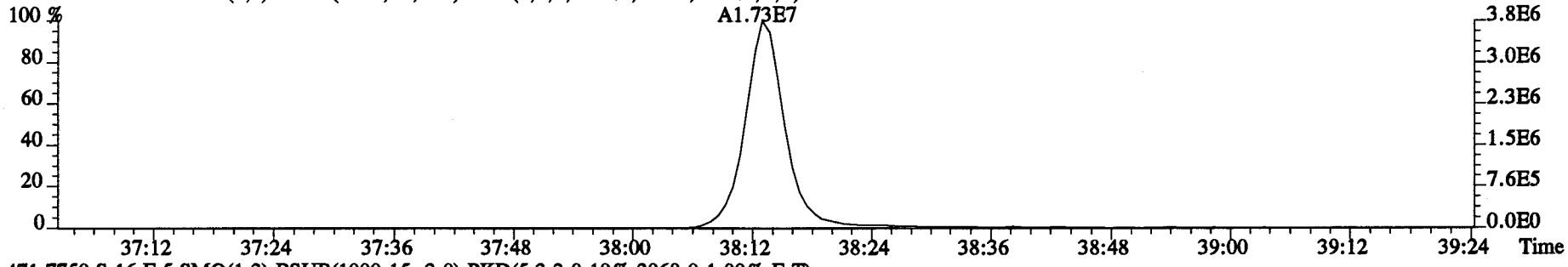
File:01SE104D5 #1-192 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
457.7377 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1952.0,1.00%,F,T)



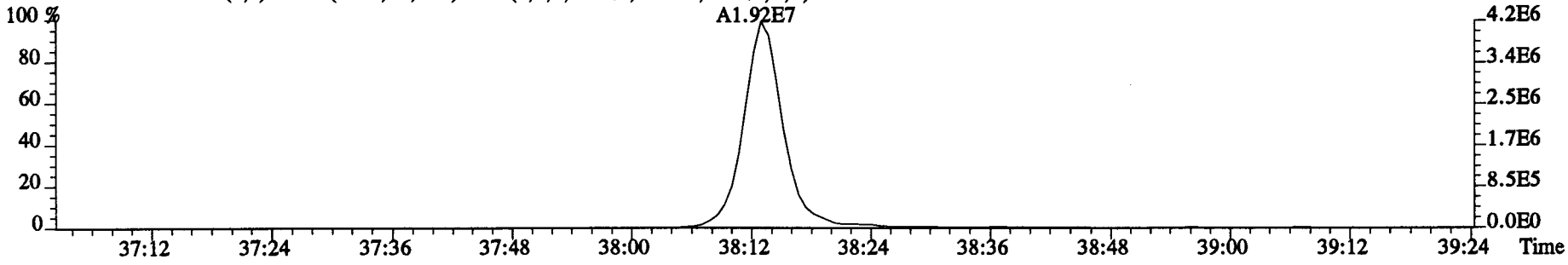
459.7348 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,948.0,1.00%,F,T)



469.7779 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,228.0,1.00%,F,T)

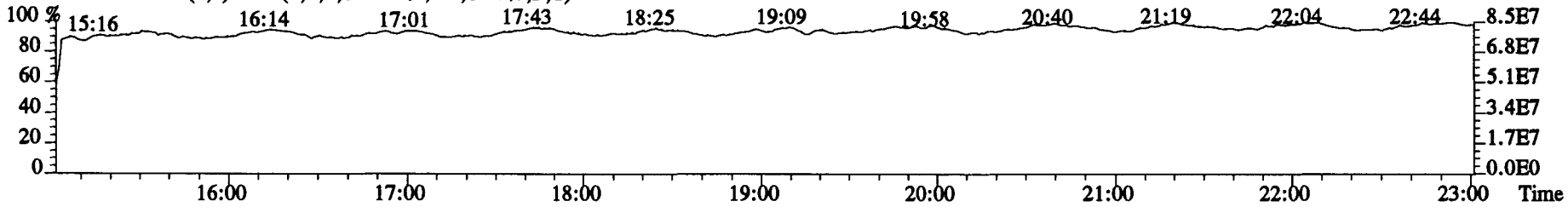


471.7750 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2068.0,1.00%,F,T)

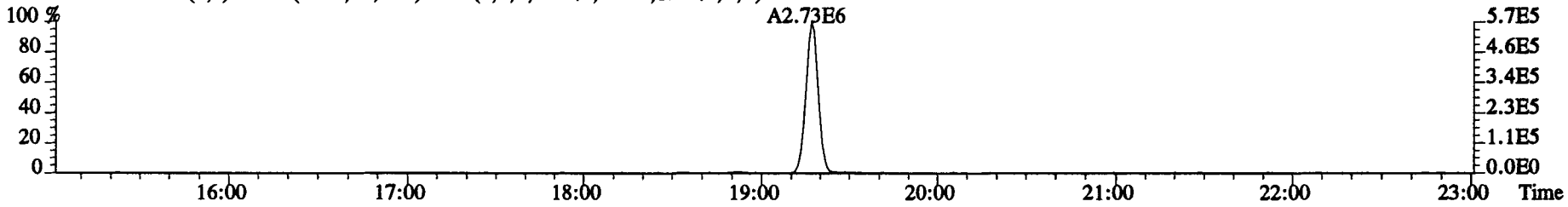


File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES

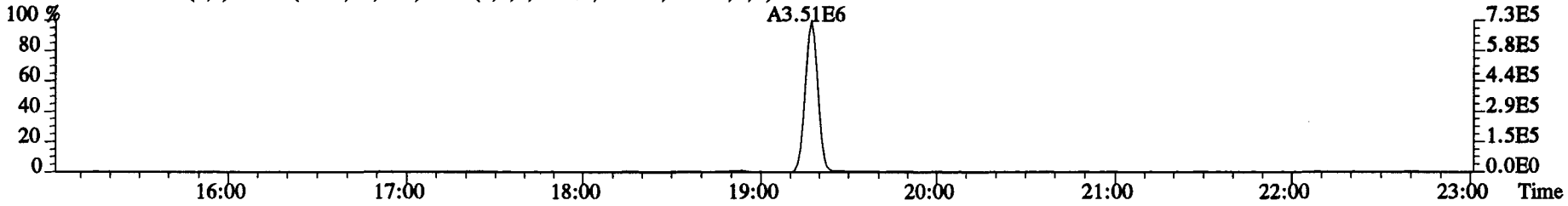
292.9825 S:16 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



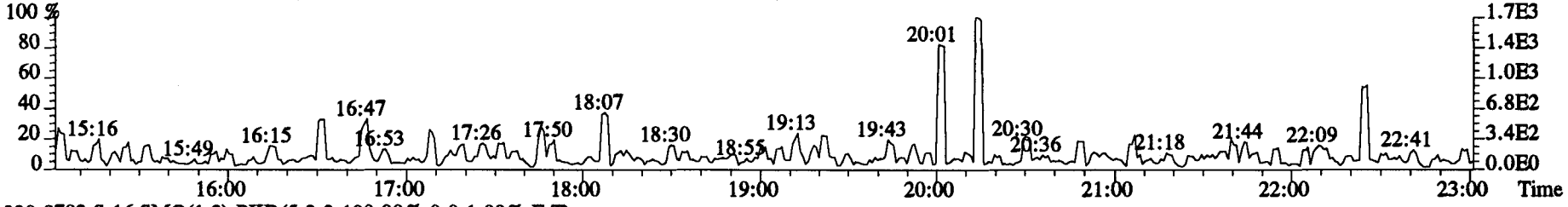
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,276.0,1.00%,F,T)



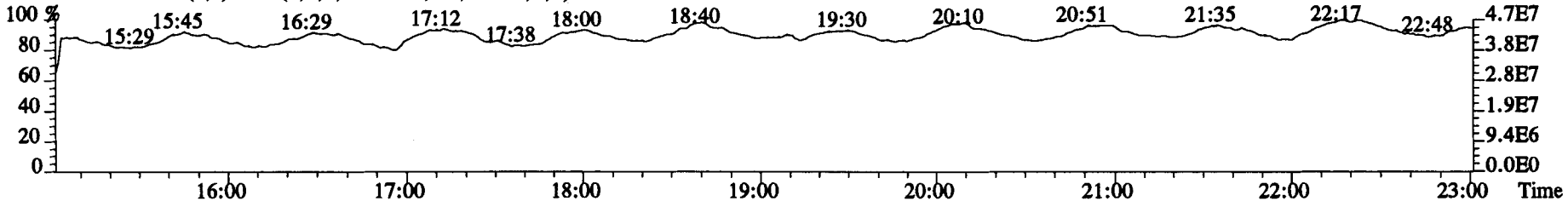
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1232.0,1.00%,F,T)



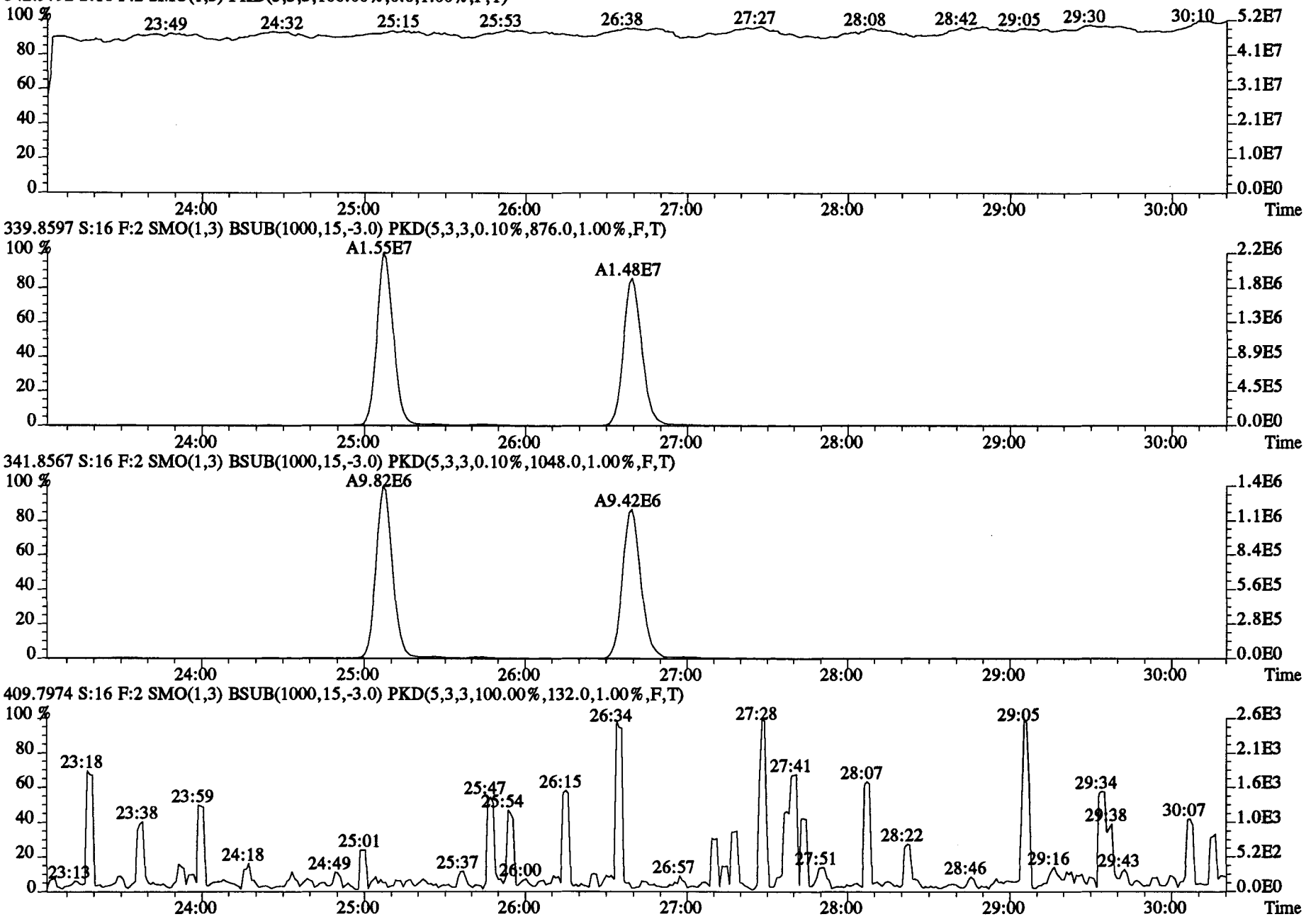
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,128.0,1.00%,F,T)



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

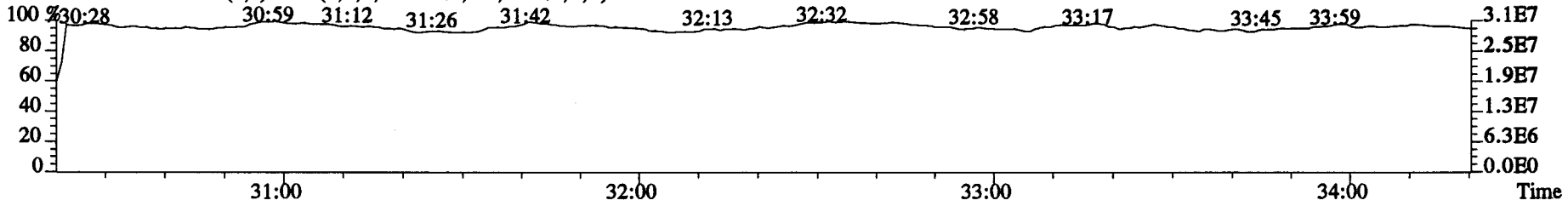


File:01SE104D5 #1-469 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES

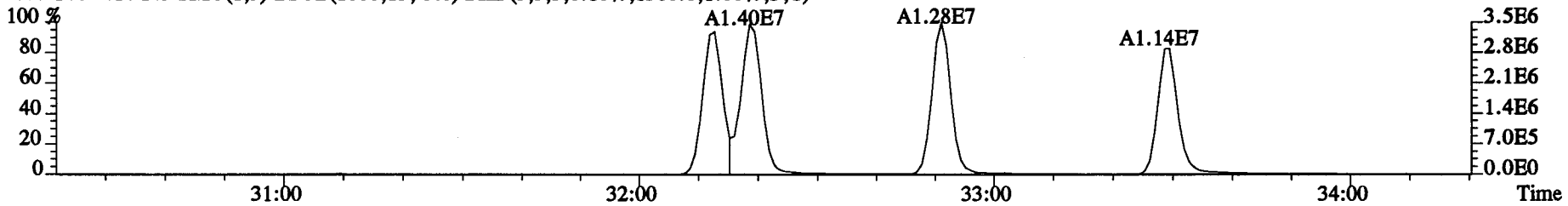


File:01SE104D5 #1-287 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES

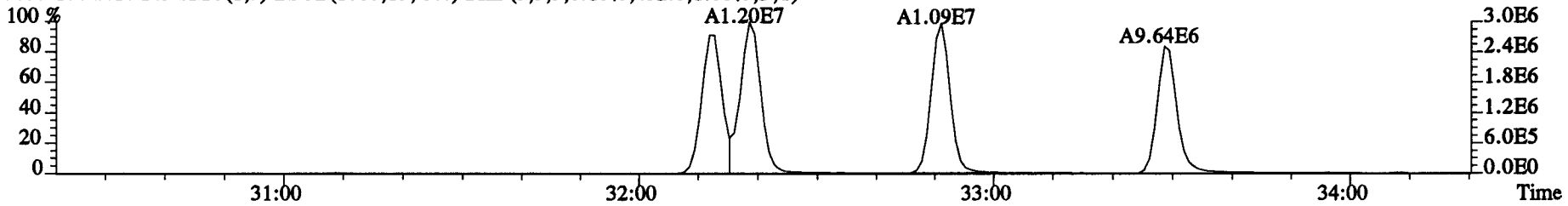
392.9760 S:16 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



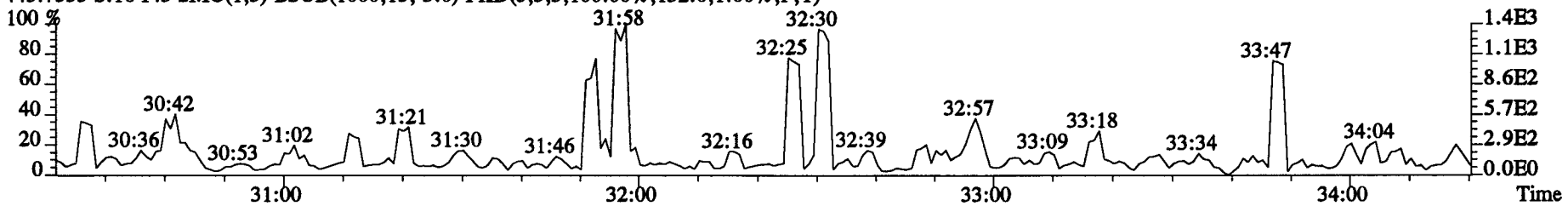
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1380.0,1.00%,F,T)



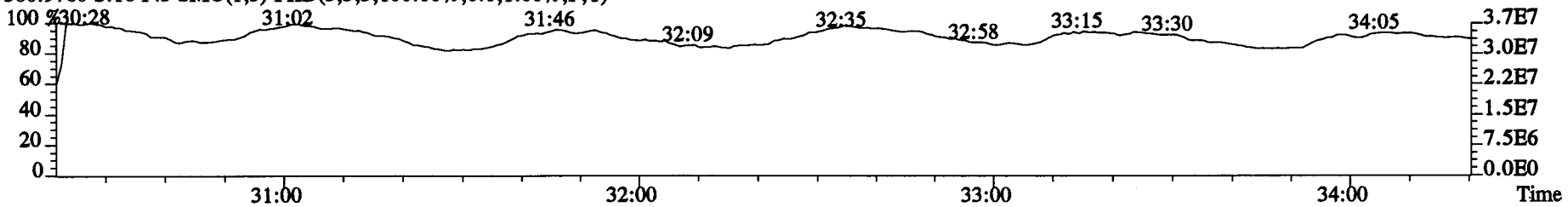
375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,452.0,1.00%,F,T)



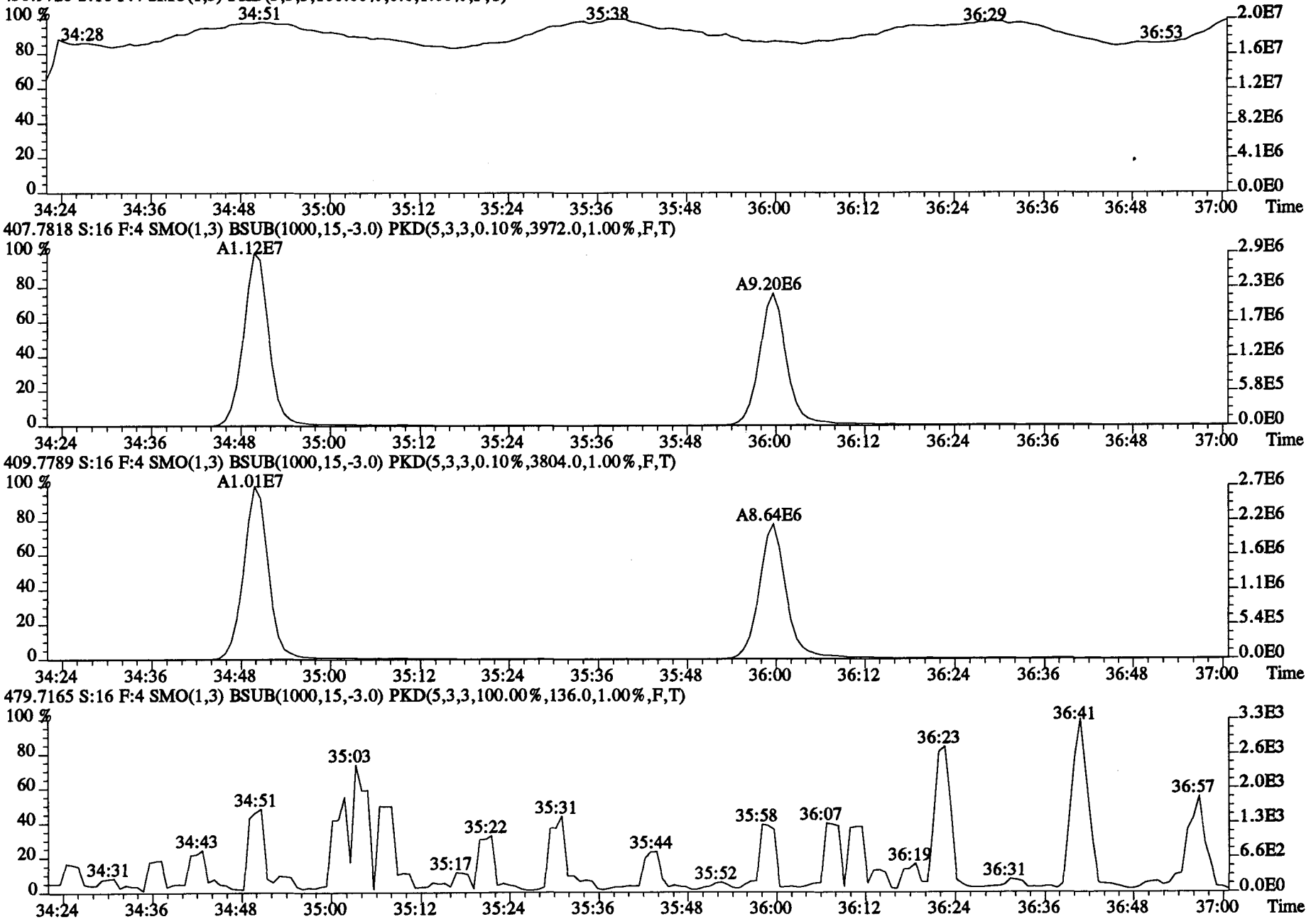
445.7555 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,132.0,1.00%,F,T)



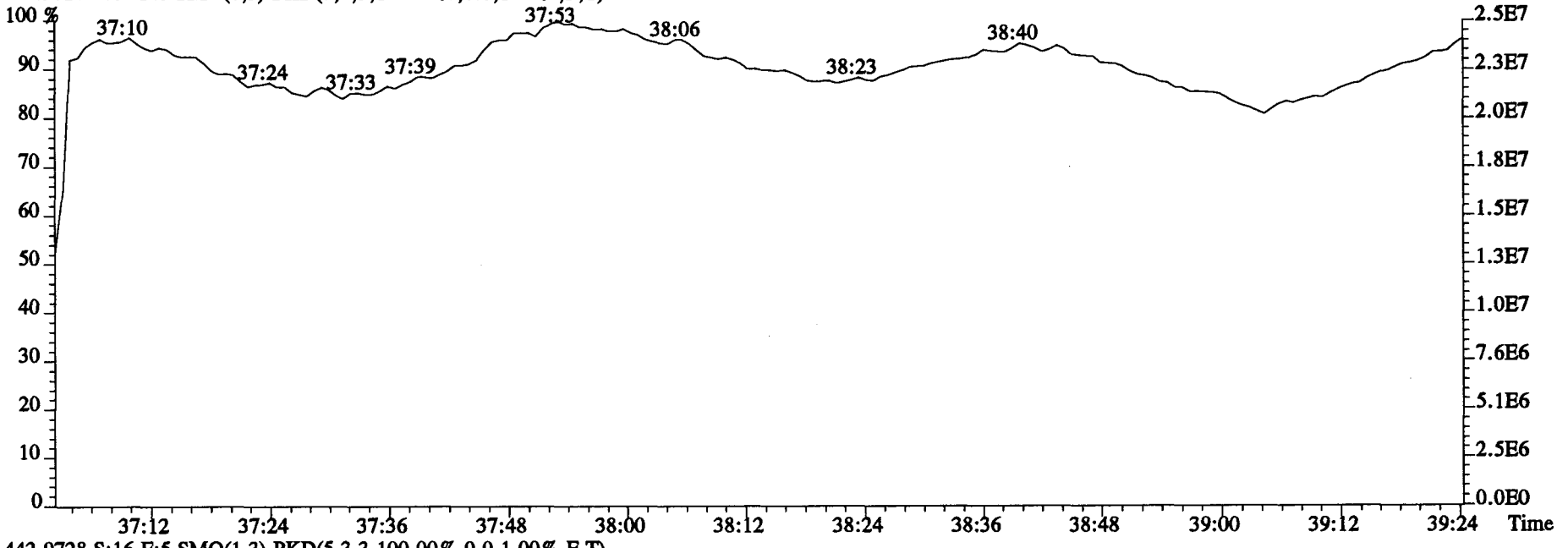
380.9760 S:16 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



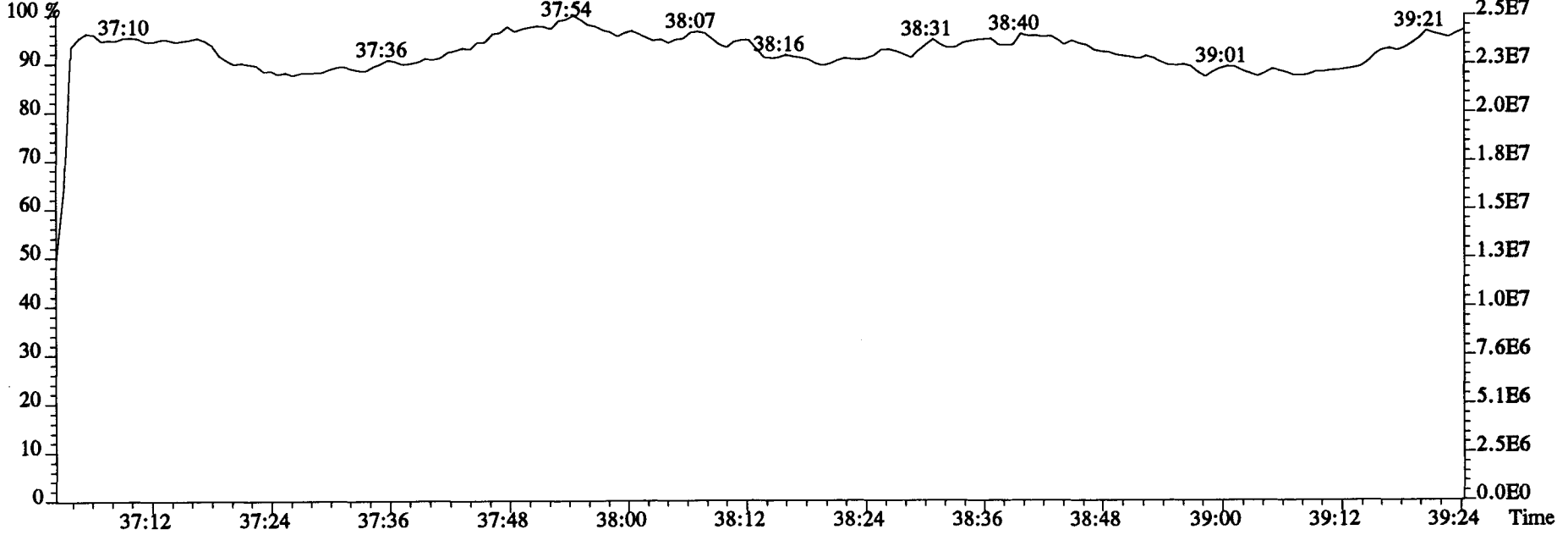
File:01SE104D5 #1-201 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES



File:01SE104D5 #1-192 Acq: 1-SEP-2010 21:12:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0901A :CS3 10DXN417 Exp:DIOXINRES
454.9728 S:16 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

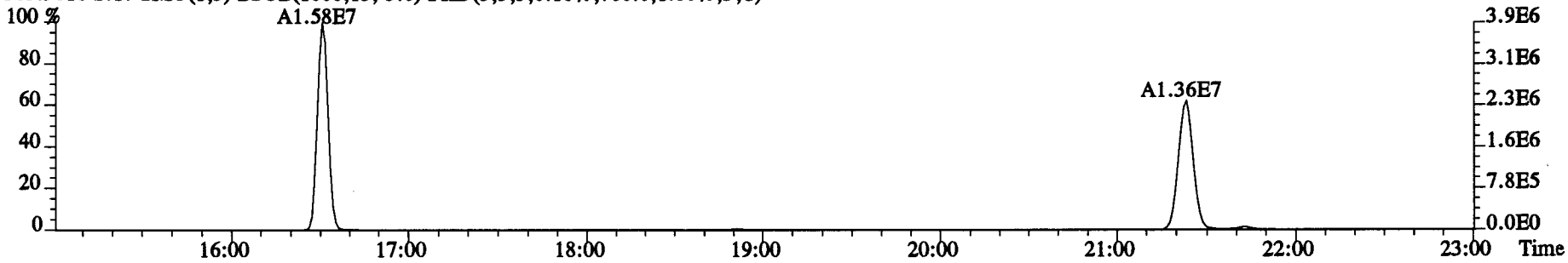


442.9728 S:16 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

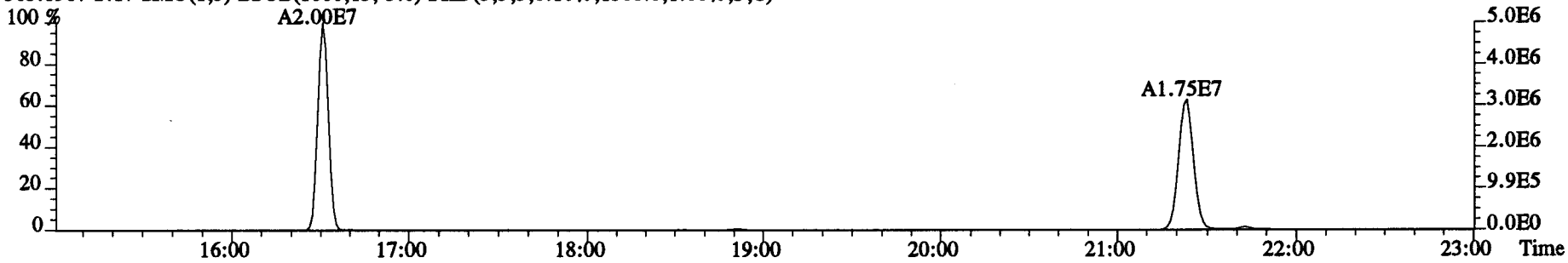


File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES

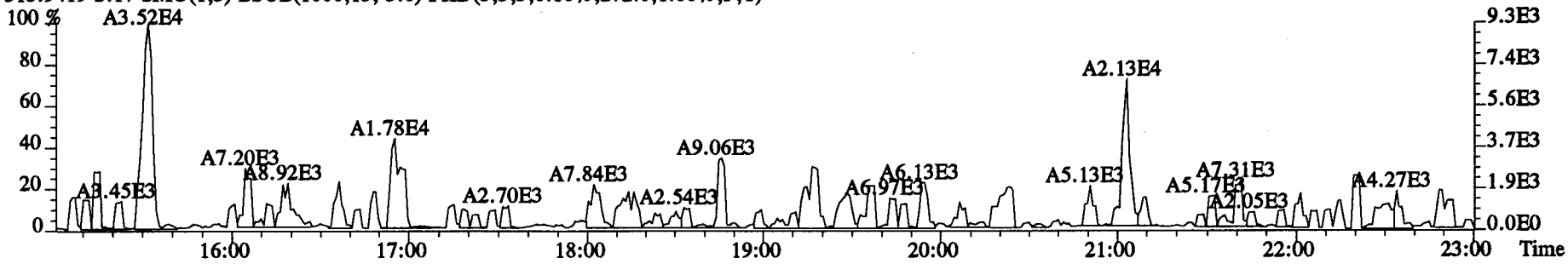
303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,700.0,1.00%,F,T)



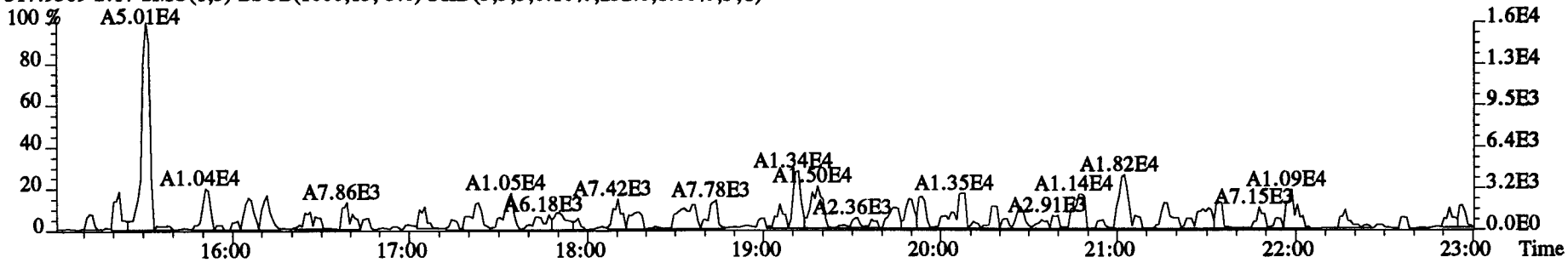
305.8987 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)



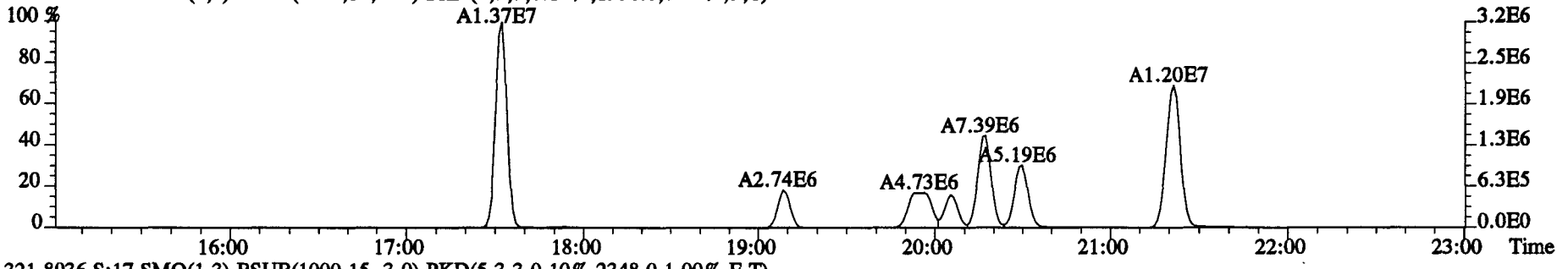
315.9419 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,272.0,1.00%,F,T)



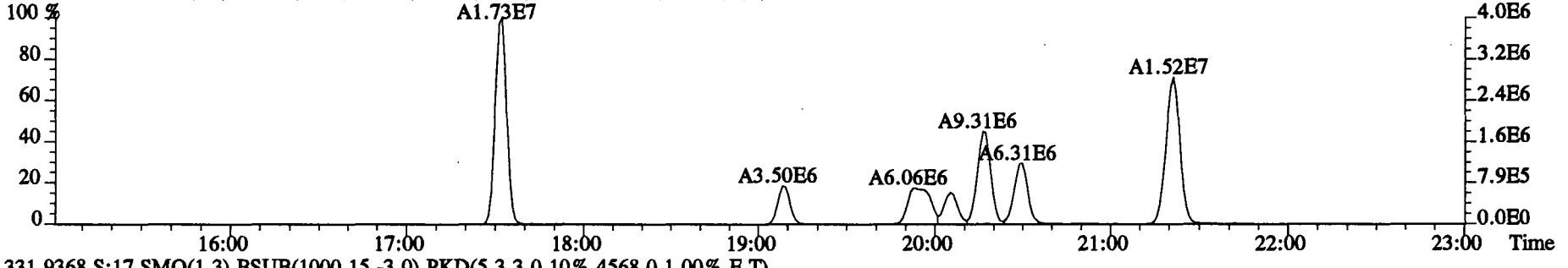
317.9389 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,232.0,1.00%,F,T)



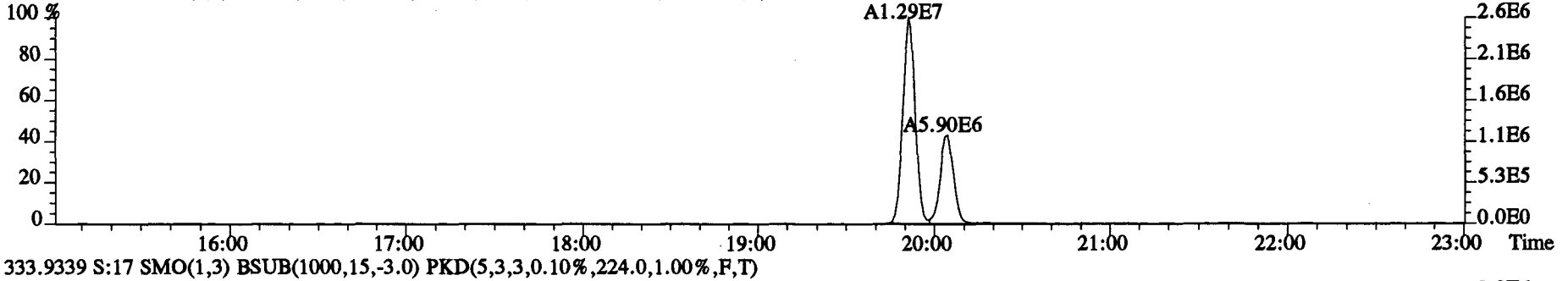
File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956.0,1.00%,F,T)



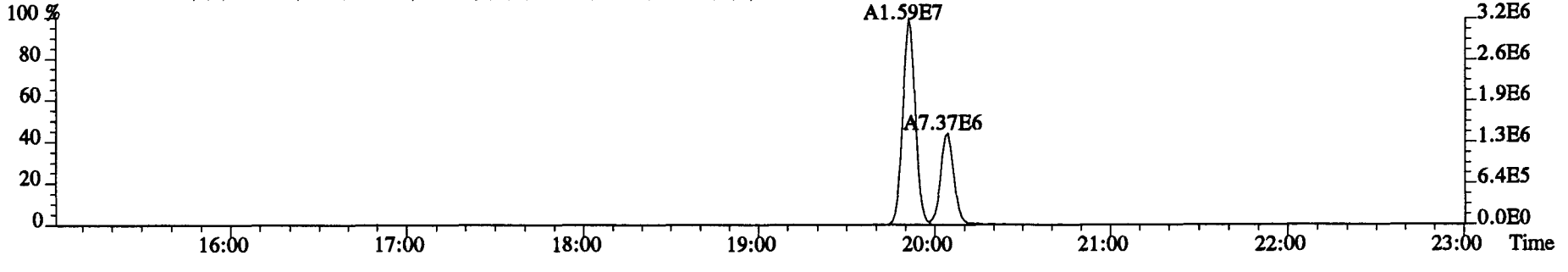
321.8936 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2348.0,1.00%,F,T)



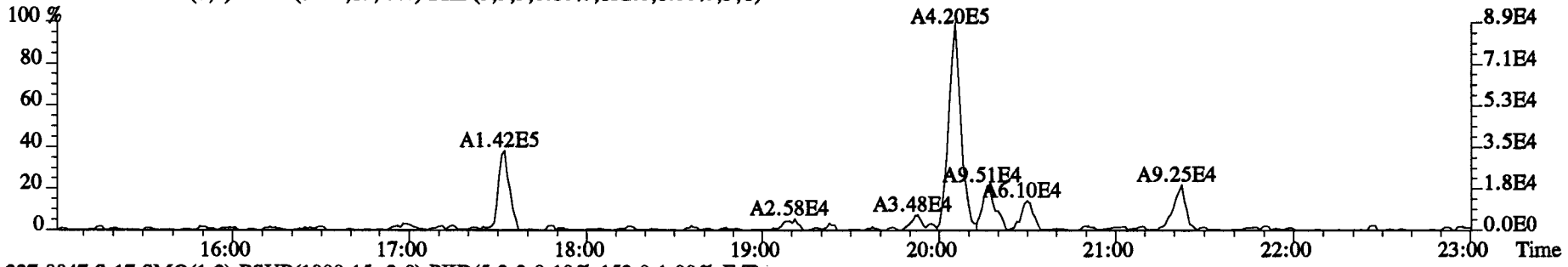
331.9368 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568.0,1.00%,F,T)

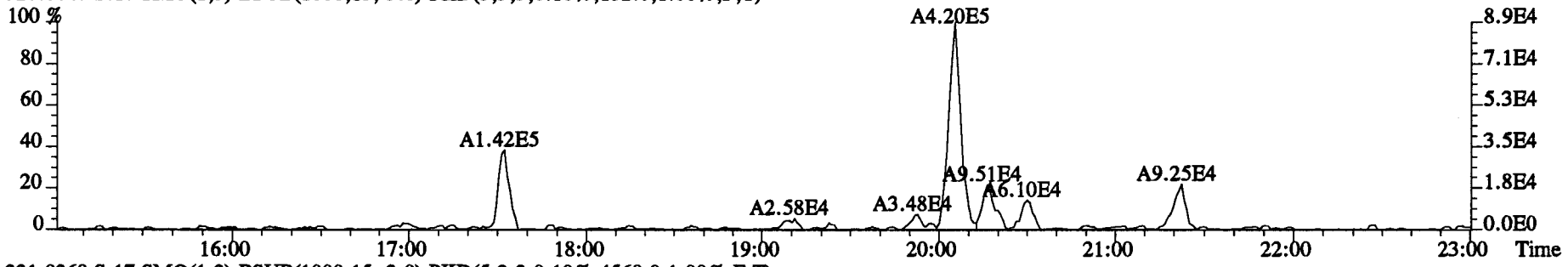


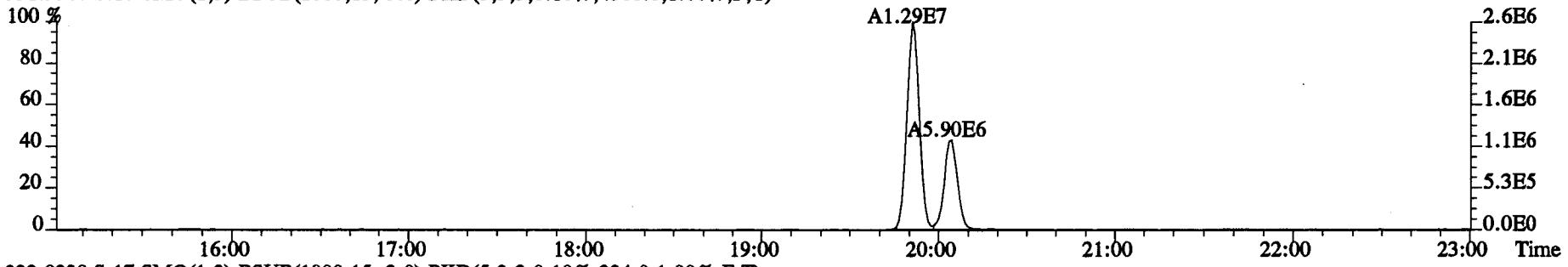
333.9339 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,224.0,1.00%,F,T)

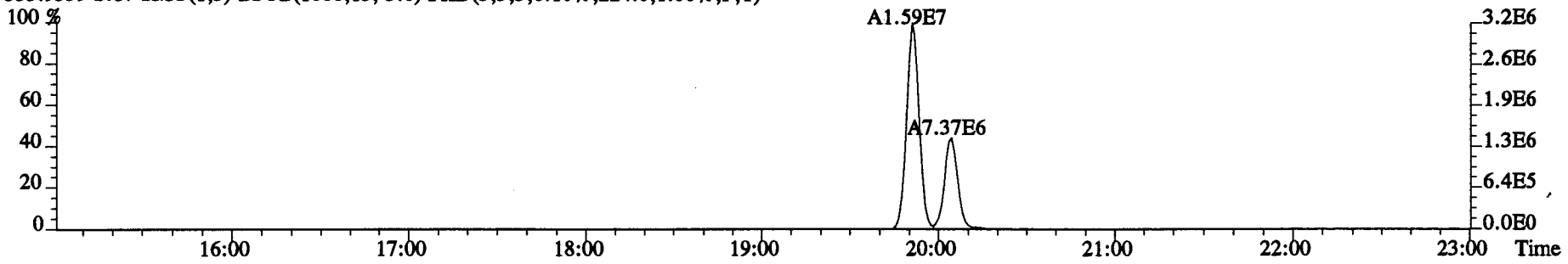


File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES



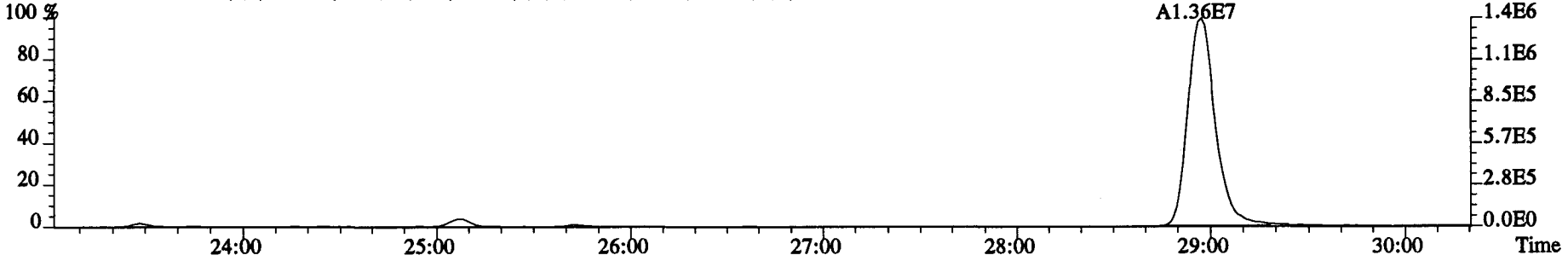




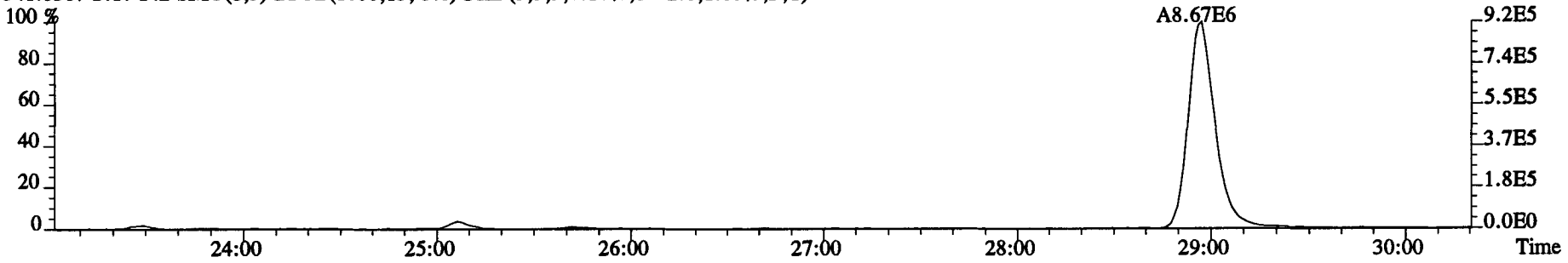


File:01SE104D5 #1-470 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES

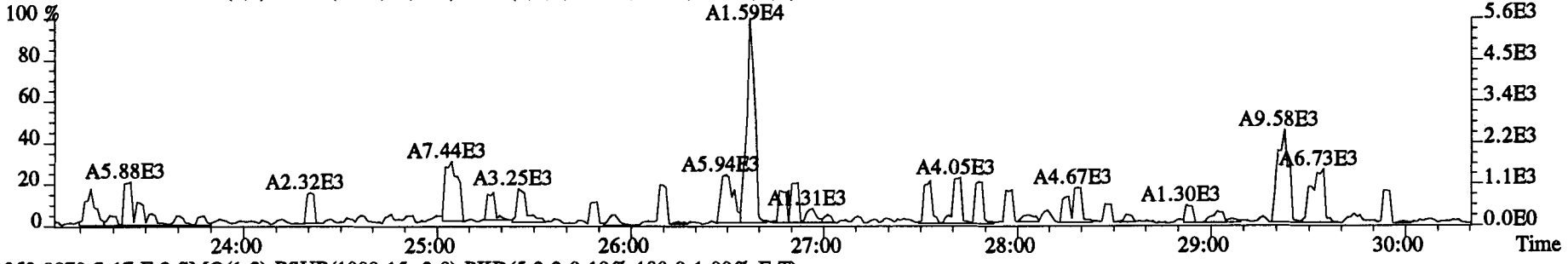
339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,564.0,1.00%,F,T)



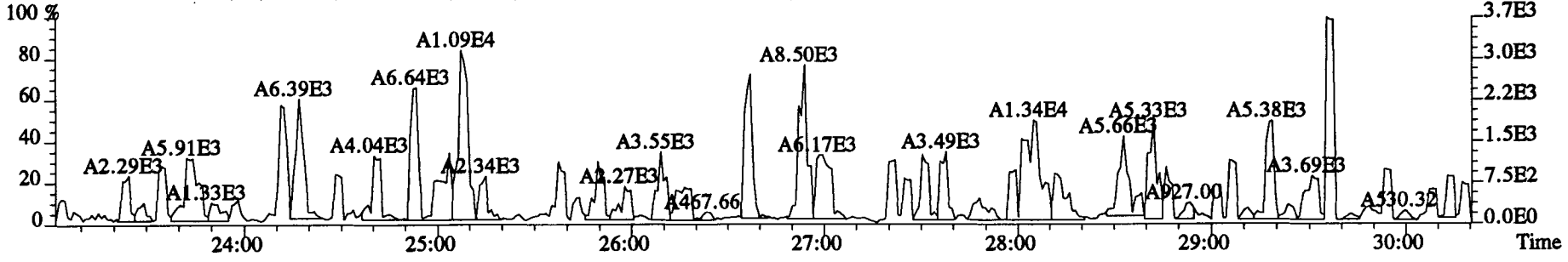
341.8567 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1032.0,1.00%,F,T)



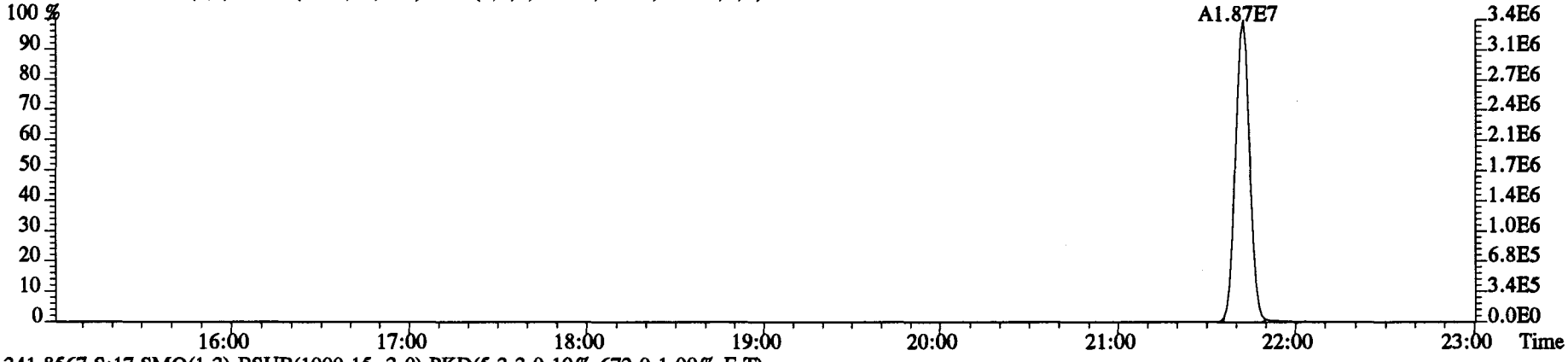
351.9000 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156.0,1.00%,F,T)



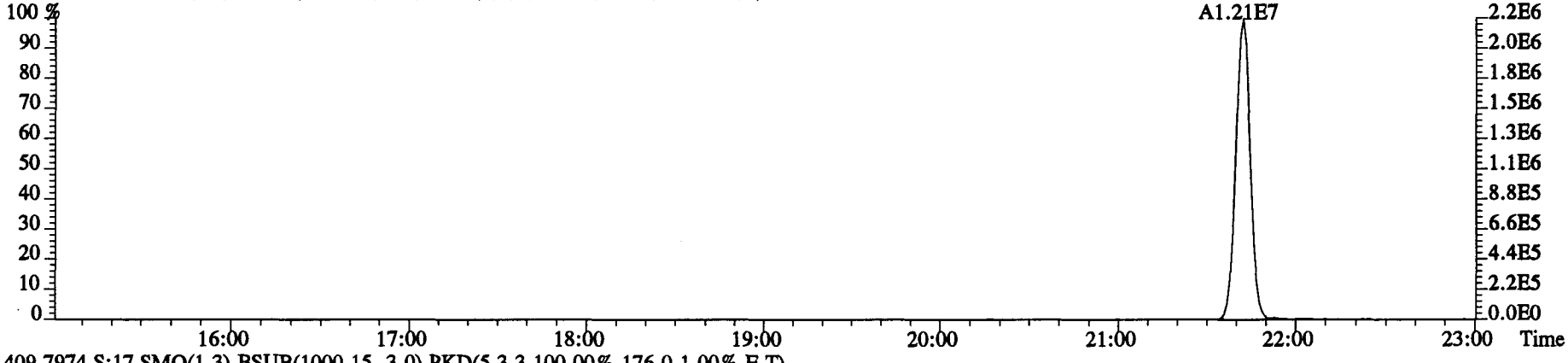
353.8970 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,180.0,1.00%,F,T)



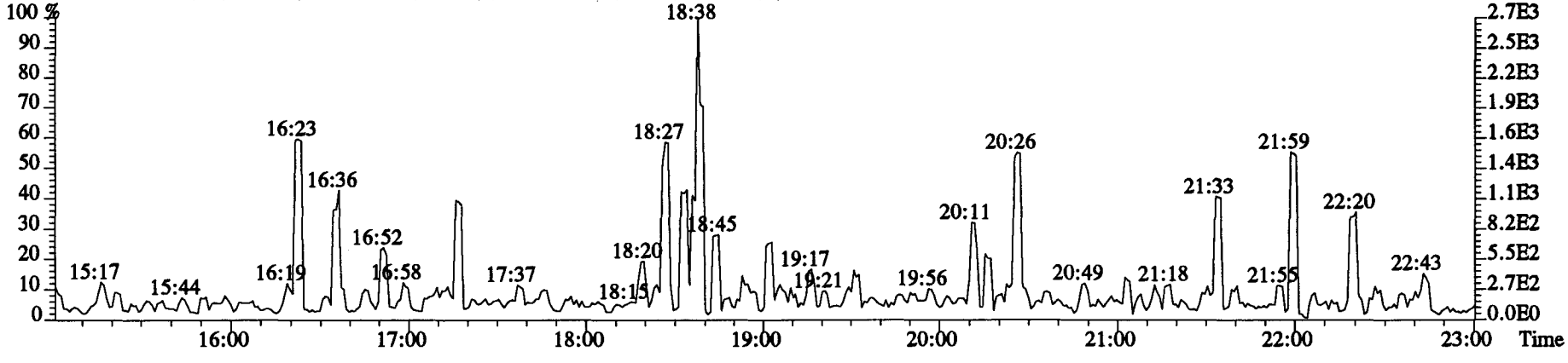
File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152.0,1.00%,F,T)



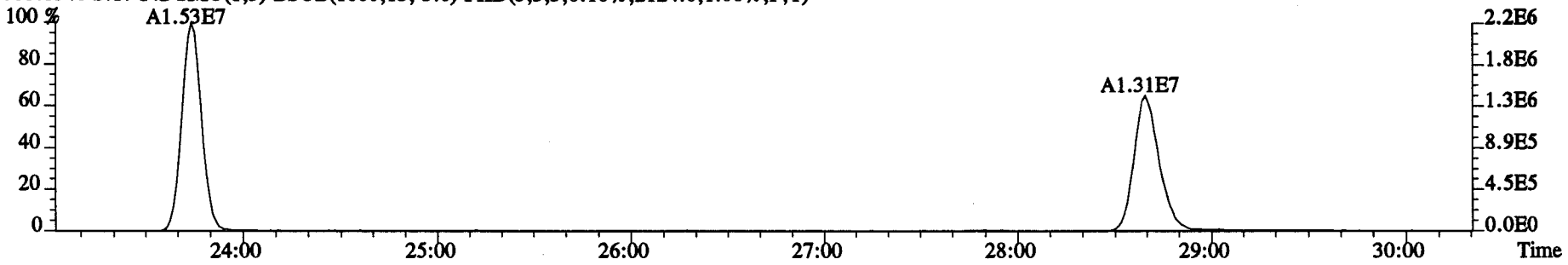
341.8567 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,672.0,1.00%,F,T)

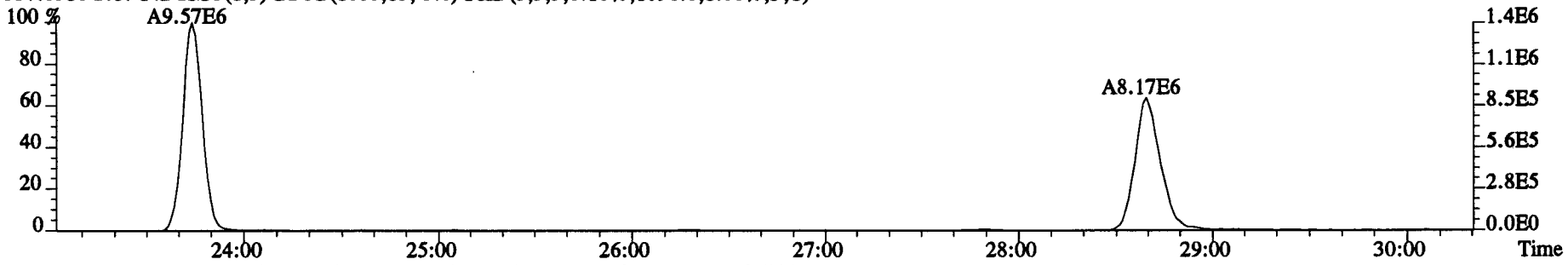


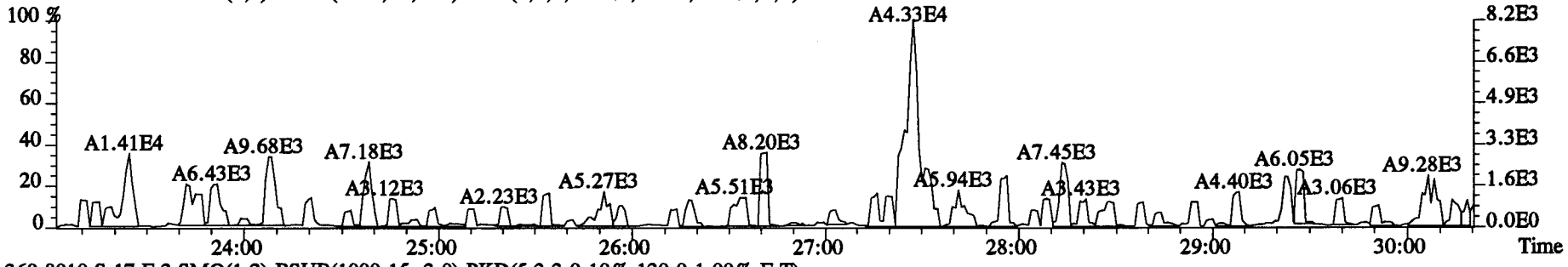
409.7974 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,176.0,1.00%,F,T)

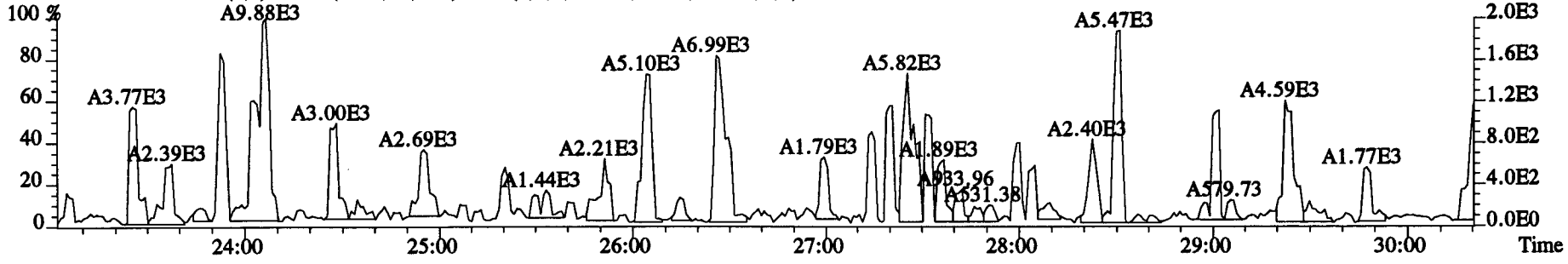


File:01SE104D5 #1-470 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES

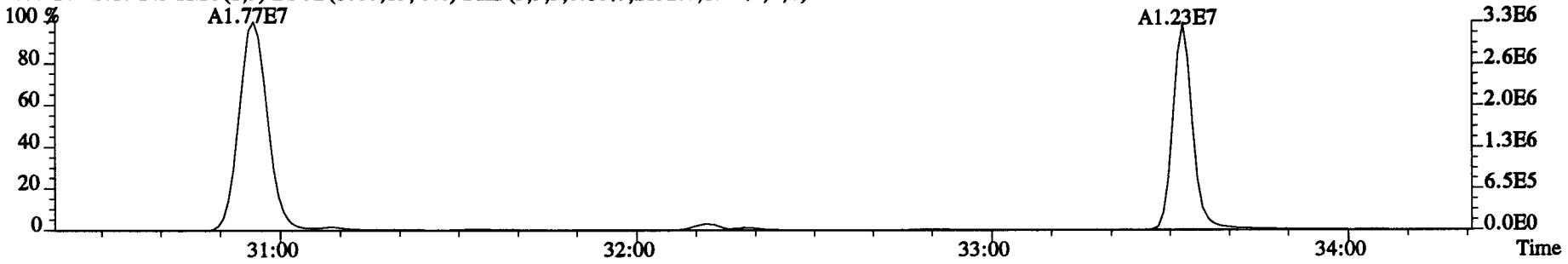




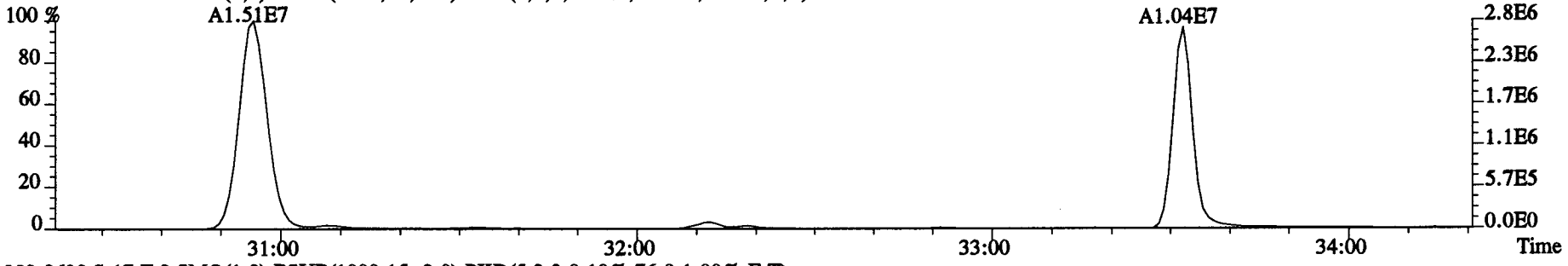




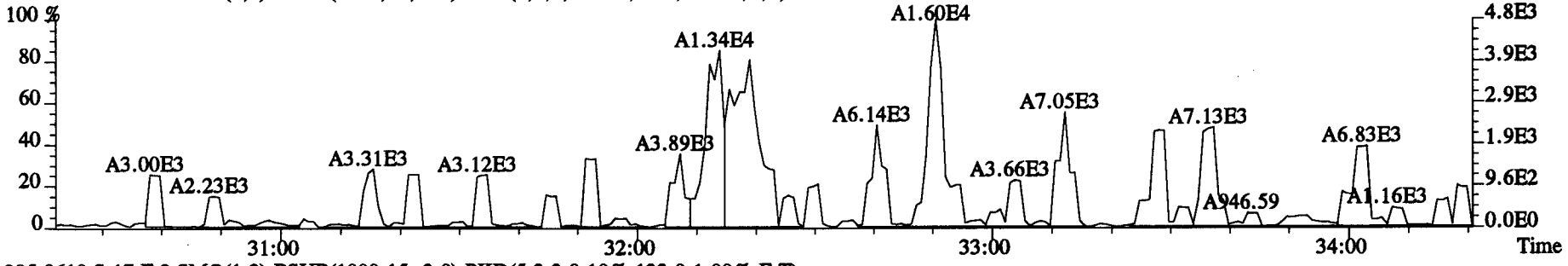
File:01SE104D5 #1-287 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
373.8208 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2132.0,1.00%,F,T)



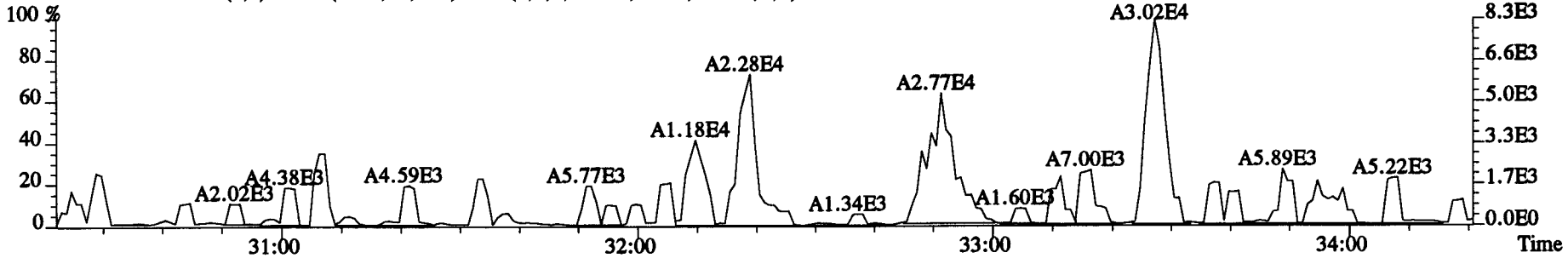
375.8178 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)



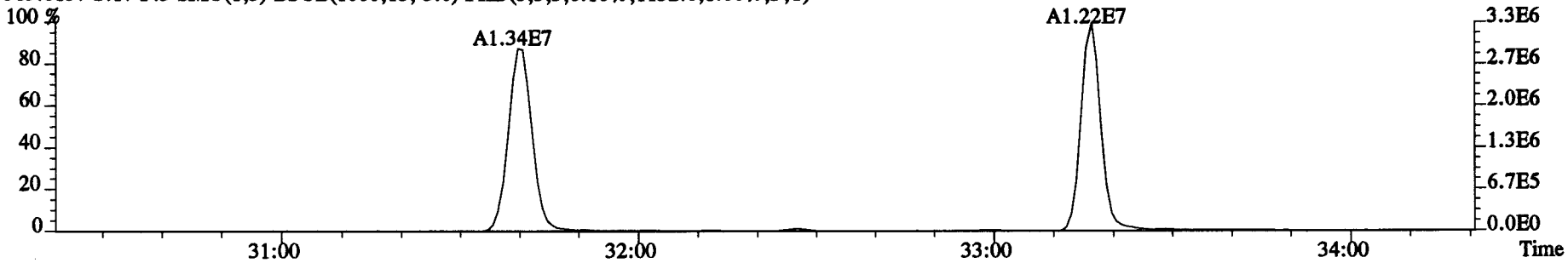
383.8639 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)

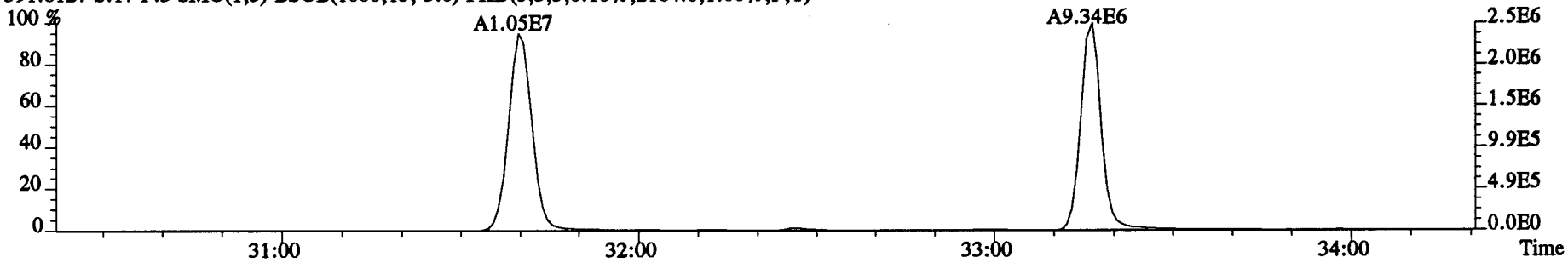


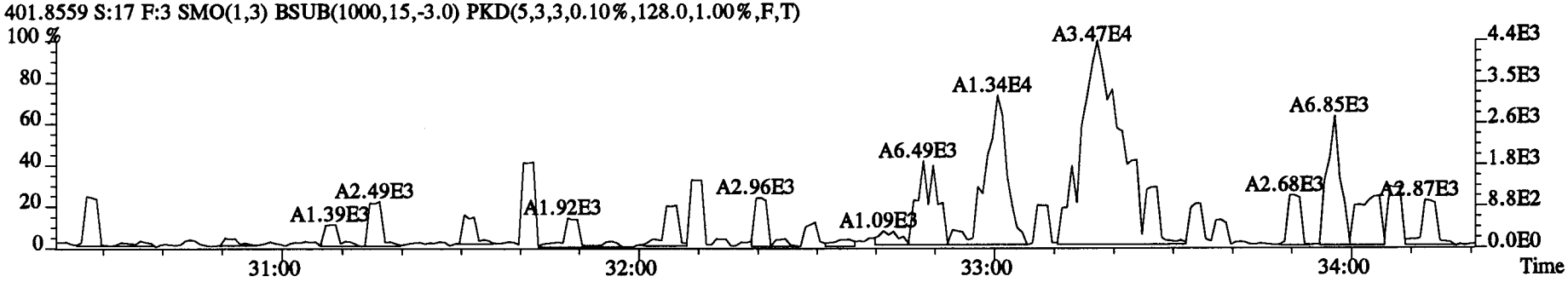
385.8610 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)

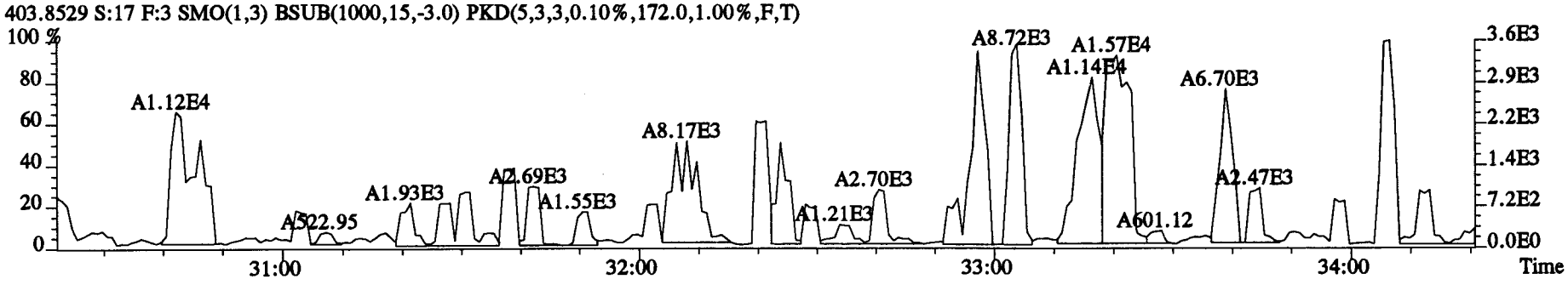


File:01SE104D5 #1-287 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES

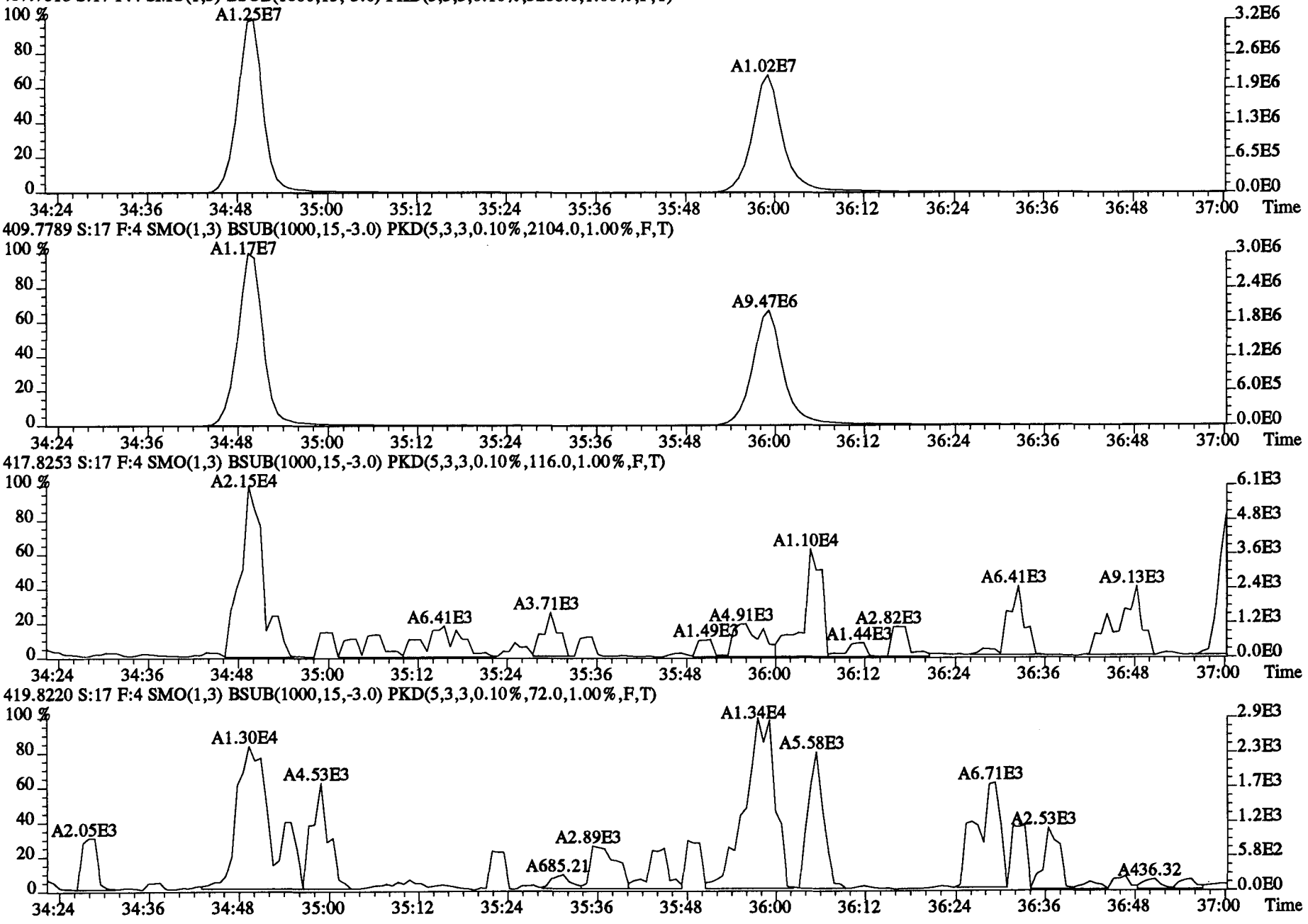




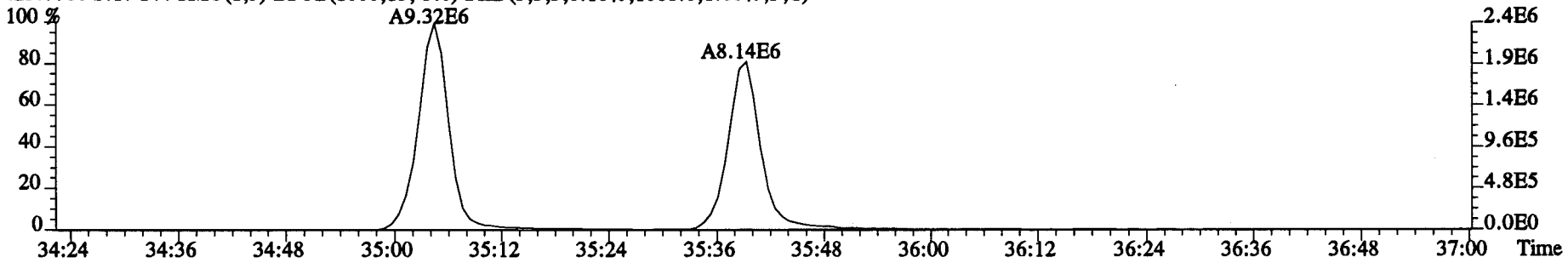




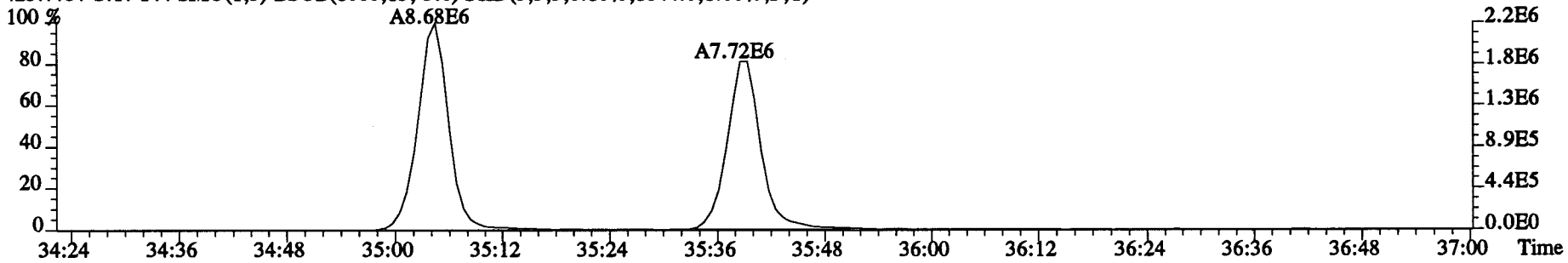
File:01SE104D5 #1-200 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES



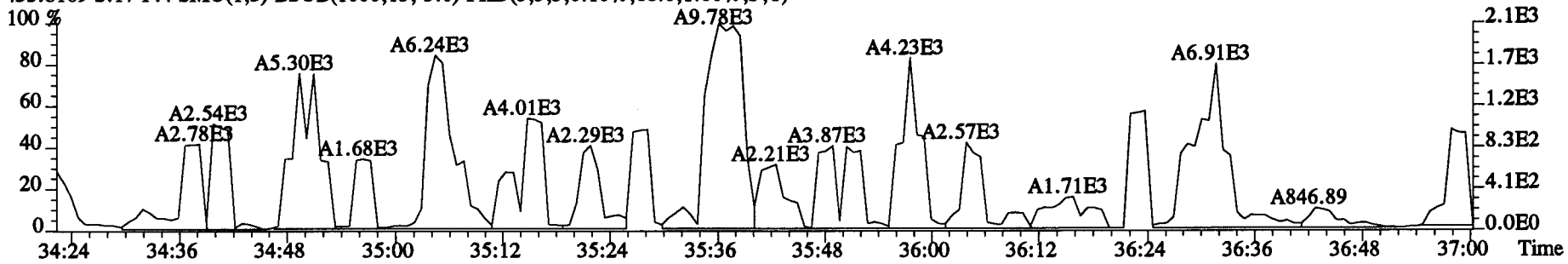
File:01SE104D5 #1-200 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
423.7766 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1008.0,1.00%,F,T)



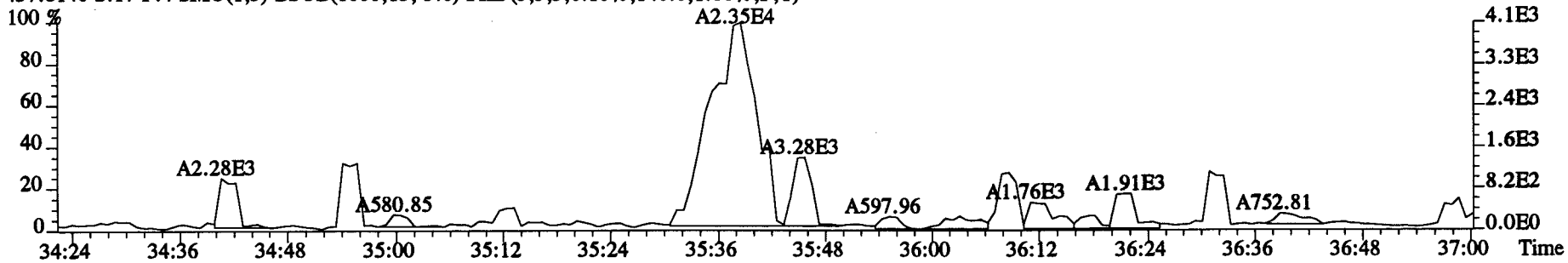
425.7737 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1844.0,1.00%,F,T)



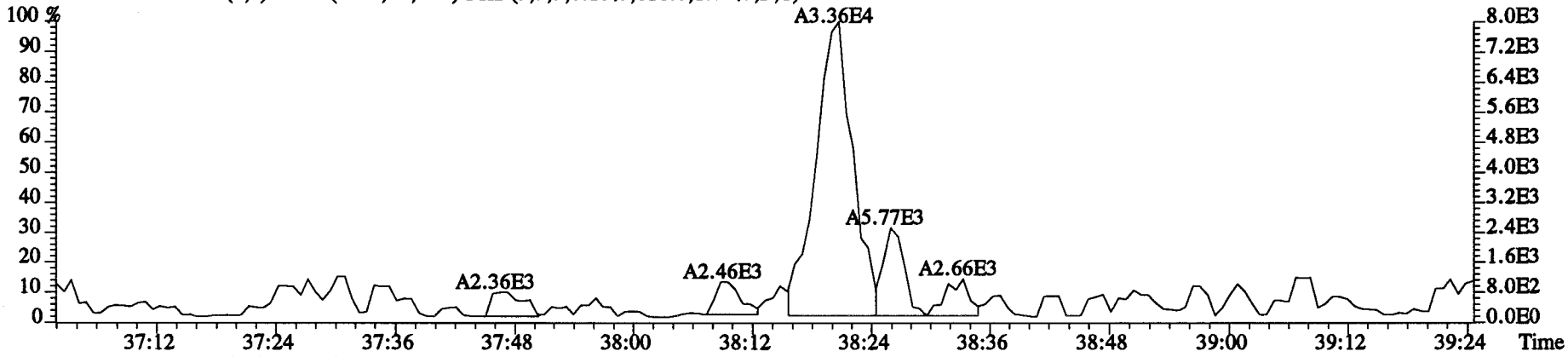
435.8169 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



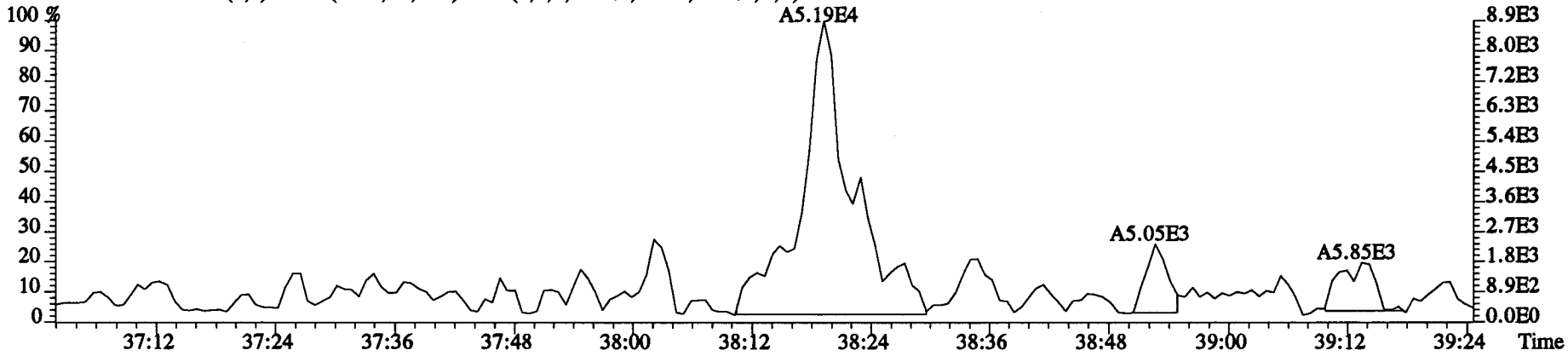
437.8140 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



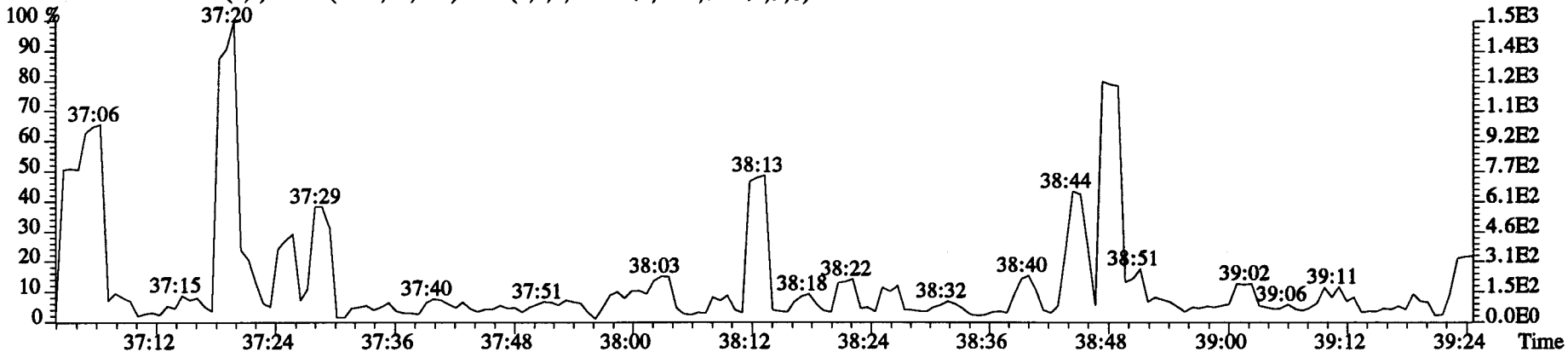
File:01SE104D5 #1-193 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,616.0,1.00%,F,T)



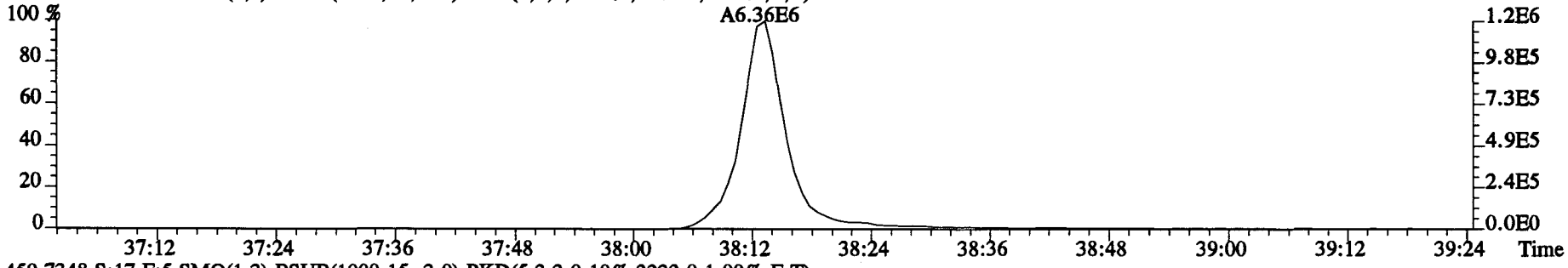
443.7399 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,944.0,1.00%,F,T)



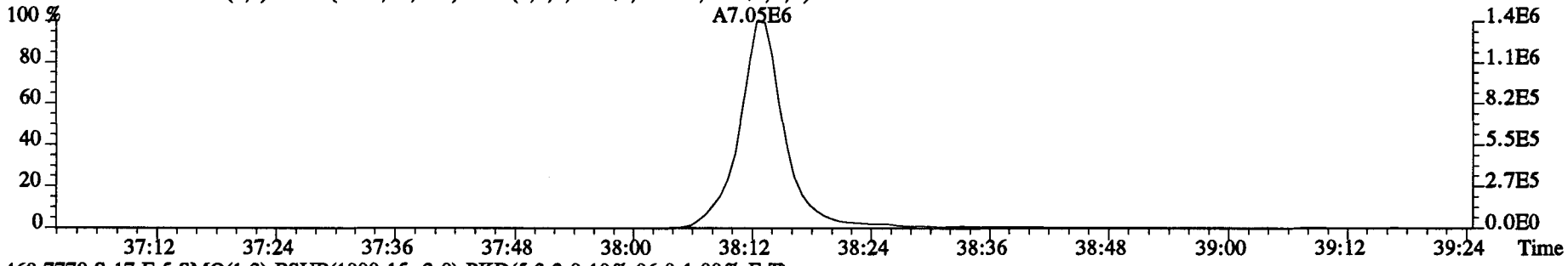
513.6775 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,96.0,1.00%,F,T)



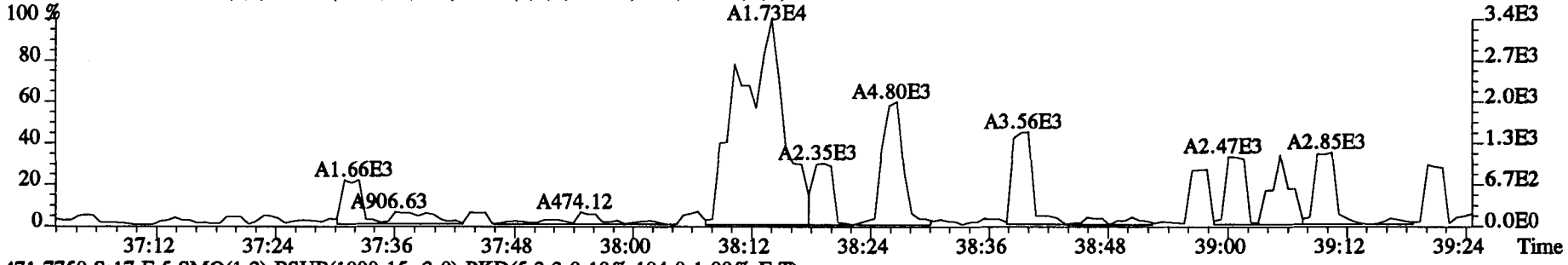
File:01SE104D5 #1-193 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
457.7377 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1816.0,1.00%,F,T)



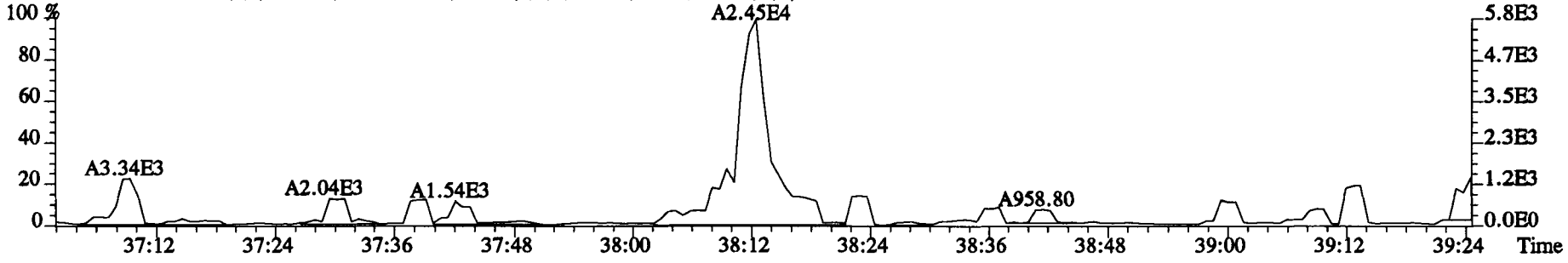
459.7348 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2232.0,1.00%,F,T)



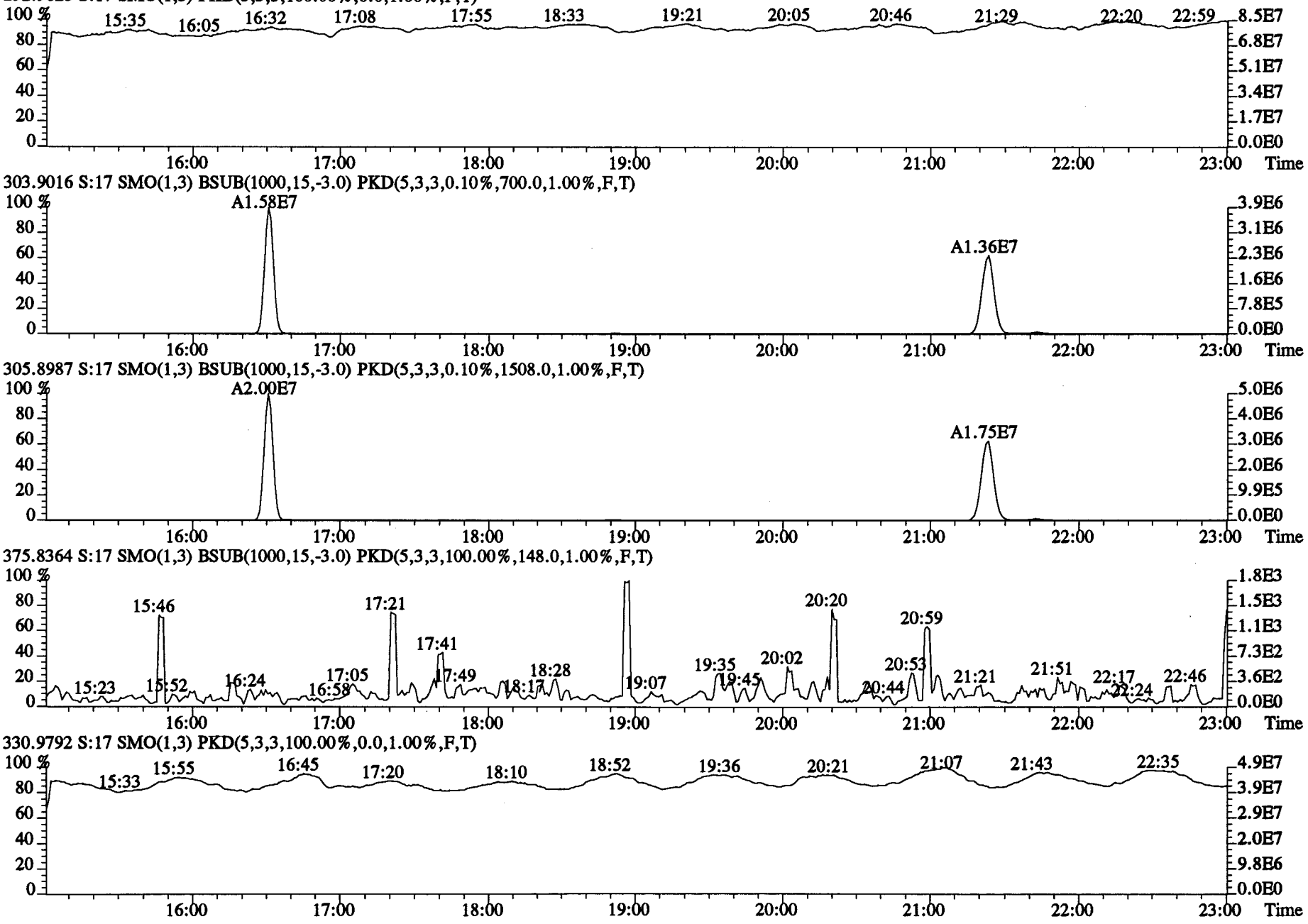
469.7779 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



471.7750 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)

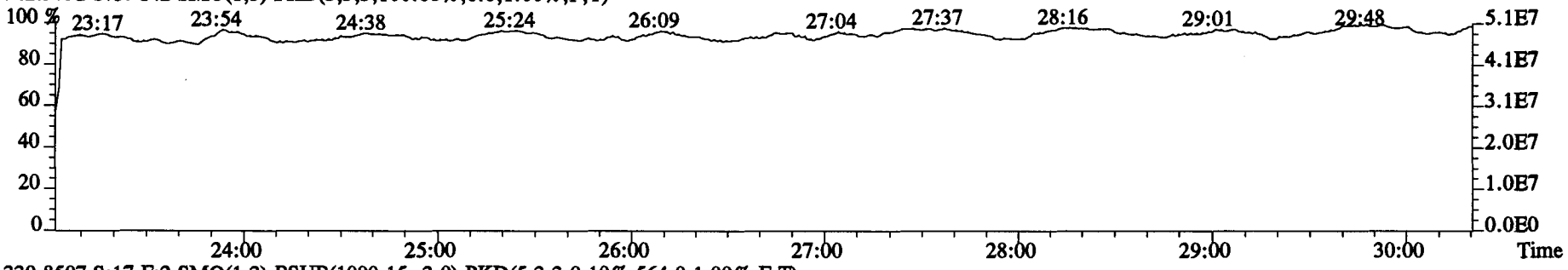


File:01SE104D5 #1-530 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES

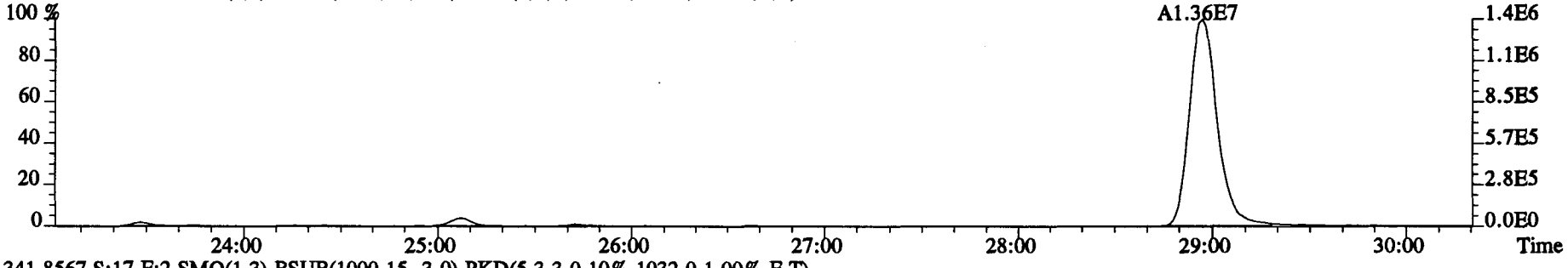


File:01SE104D5 #1-470 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES

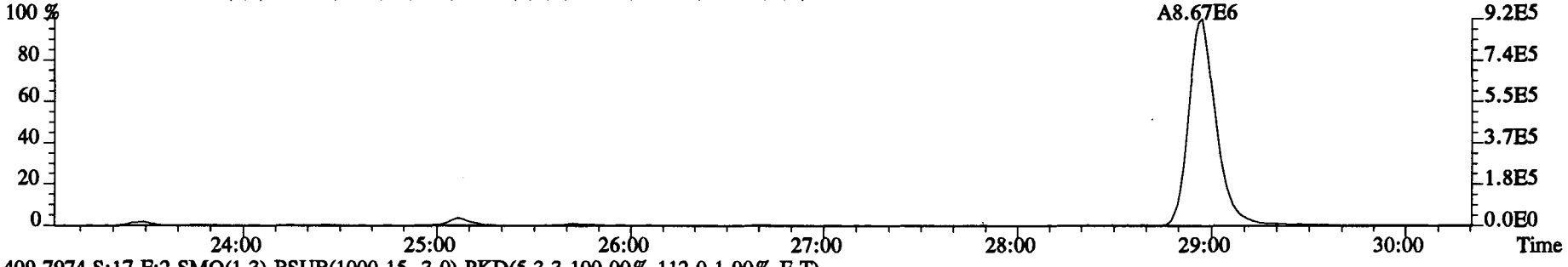
342.9792 S:17 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



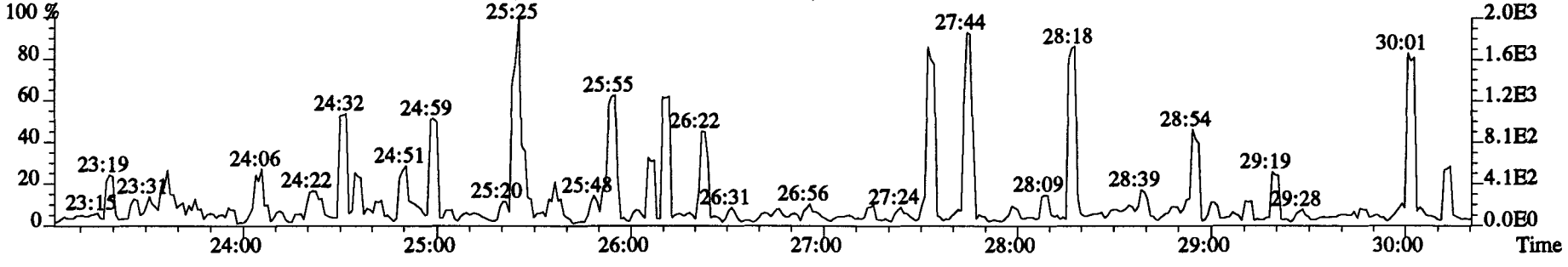
339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,564.0,1.00%,F,T)



341.8567 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1032.0,1.00%,F,T)

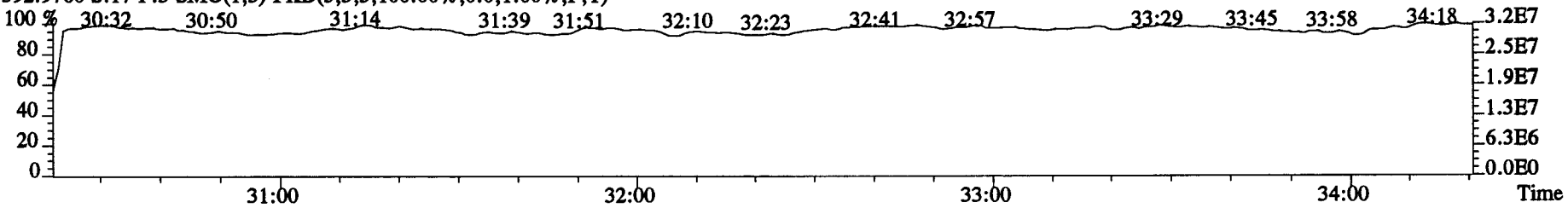


409.7974 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,112.0,1.00%,F,T)

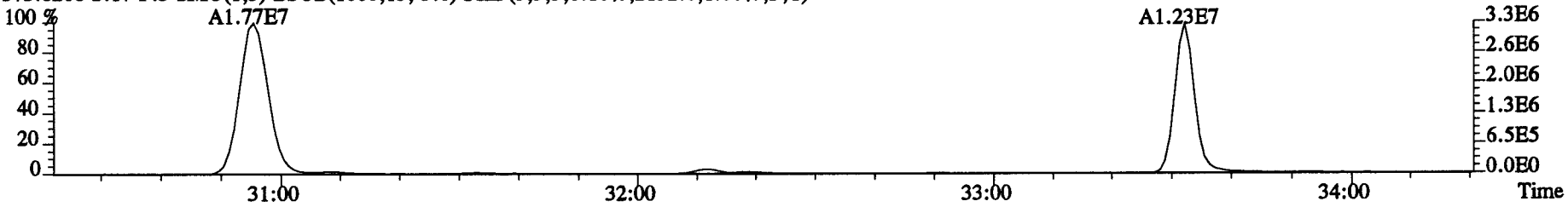


File:01SE104D5 #1-287 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES

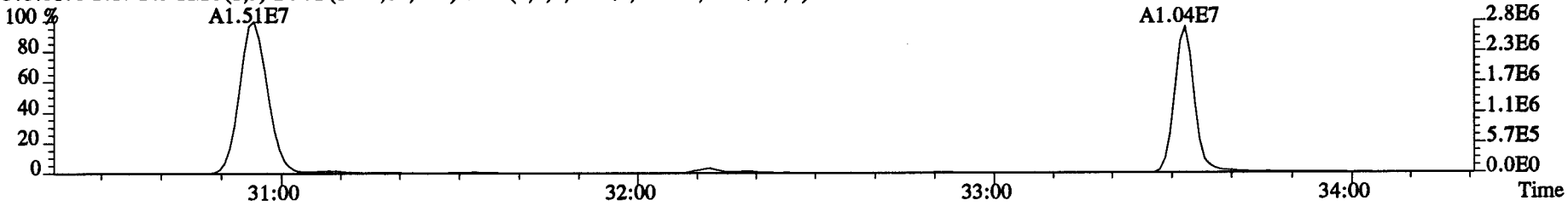
392.9760 S:17 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



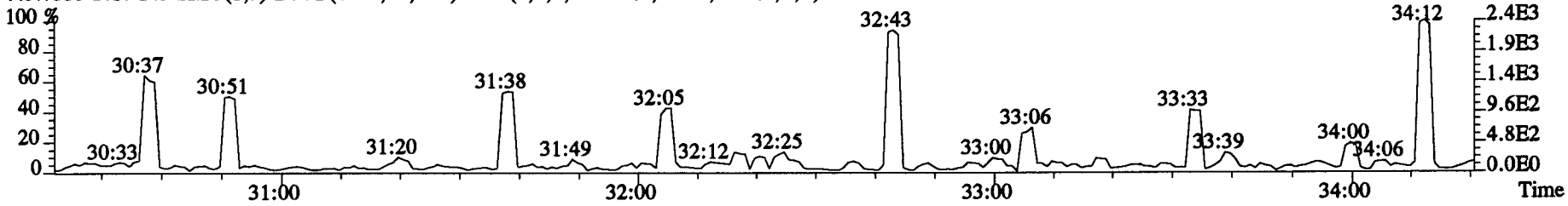
373.8208 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2132.0,1.00%,F,T)



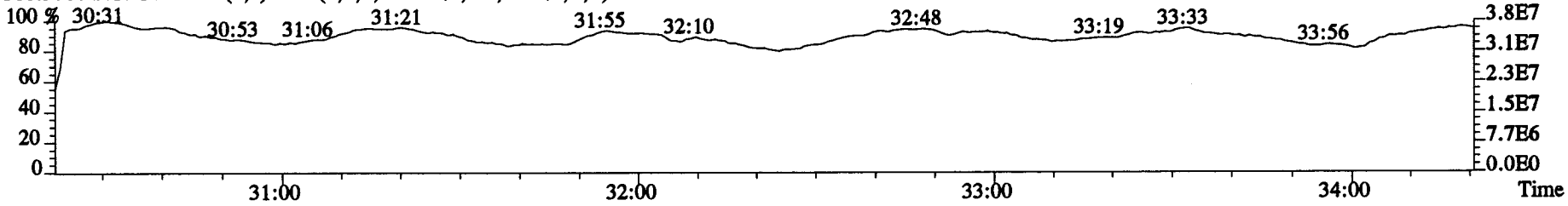
375.8178 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)



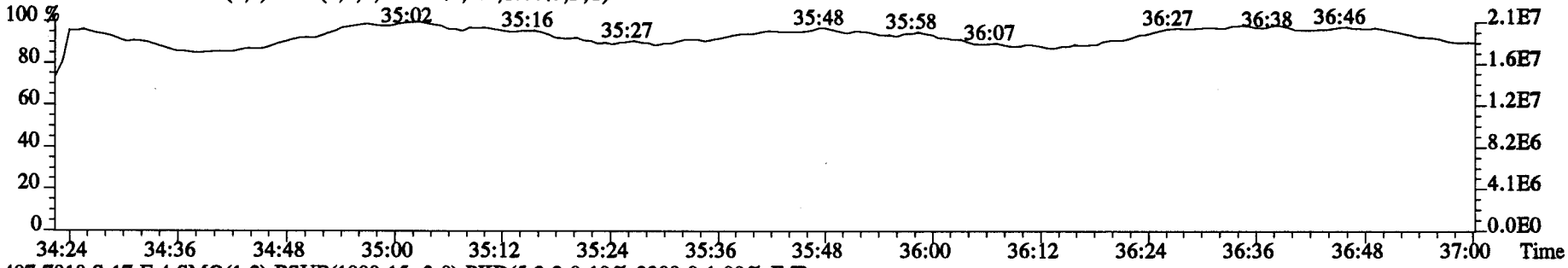
445.7555 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,104.0,1.00%,F,T)



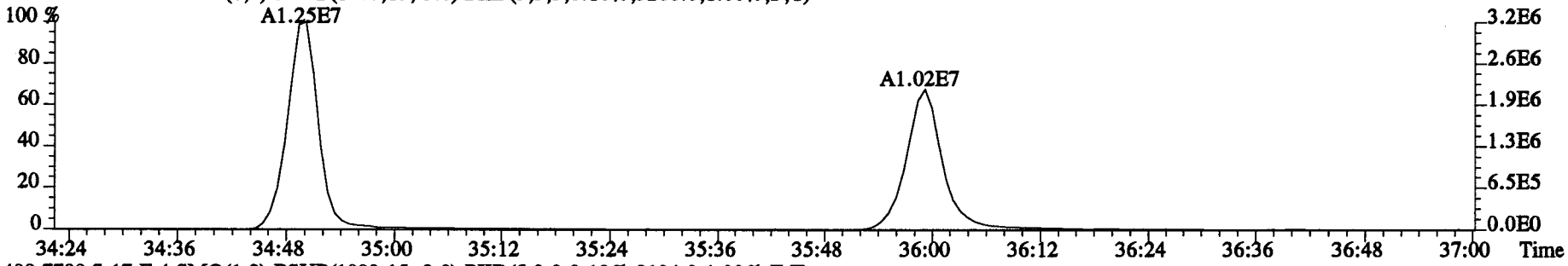
380.9760 S:17 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



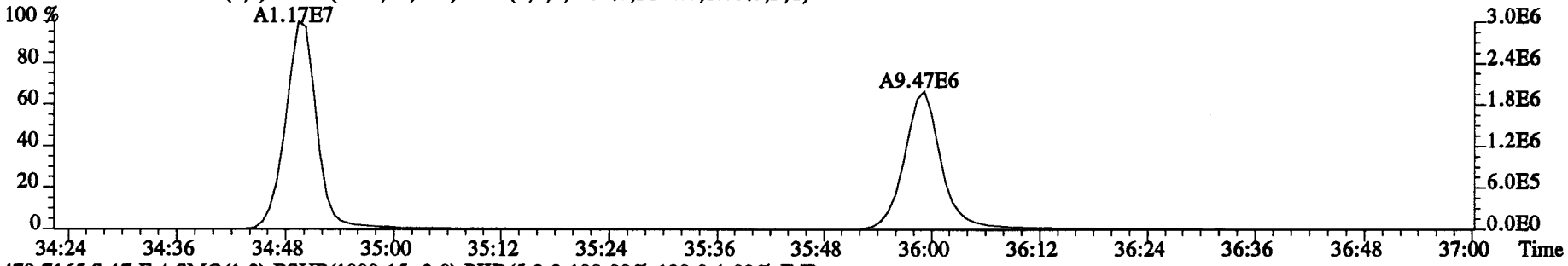
File:01SE104D5 #1-200 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
430.9728 S:17 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



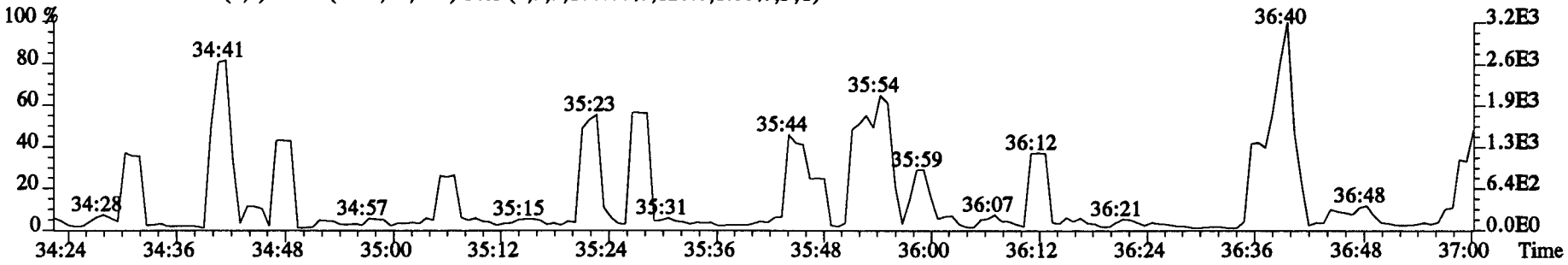
407.7818 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)



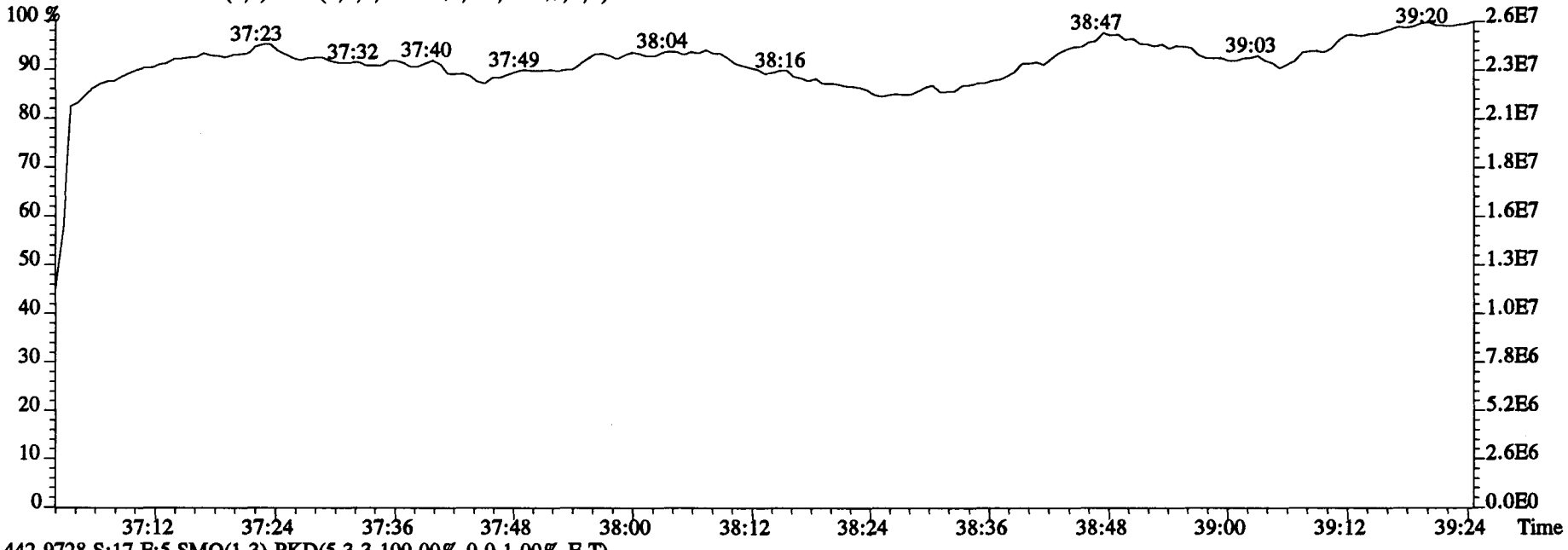
409.7789 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2104.0,1.00%,F,T)



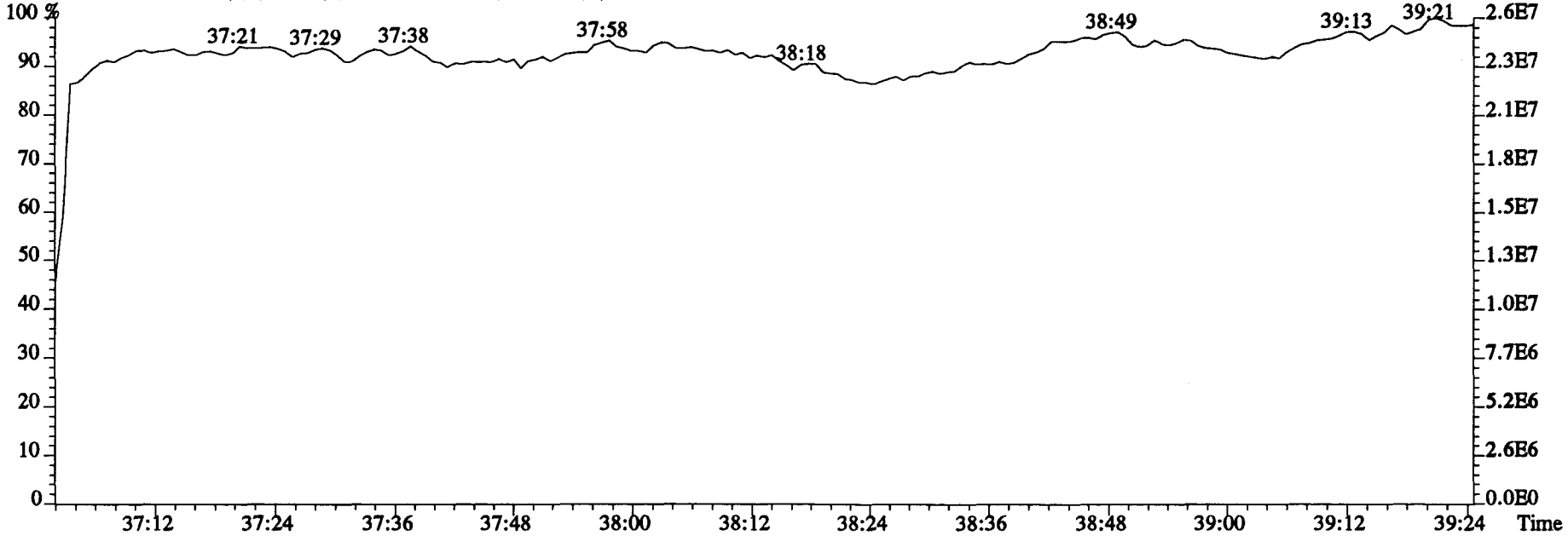
479.7165 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,120.0,1.00%,F,T)



File:01SE104D5 #1-193 Acq: 1-SEP-2010 21:56:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0901A :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 S:17 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

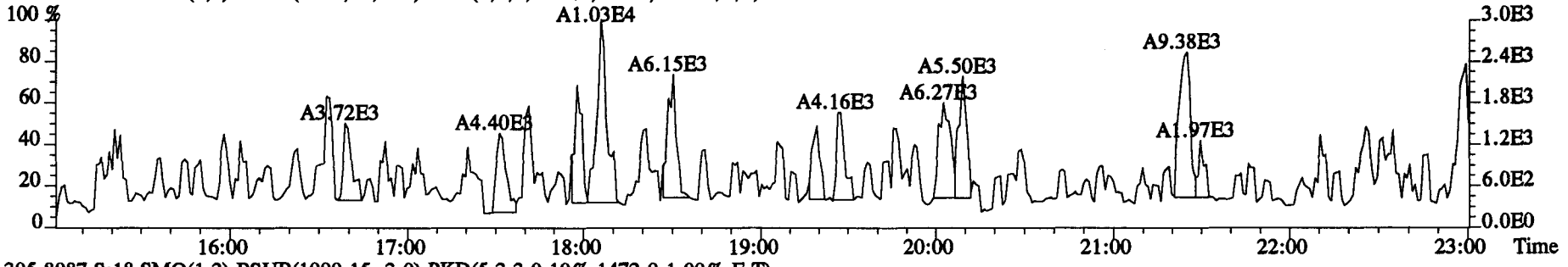


442.9728 S:17 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

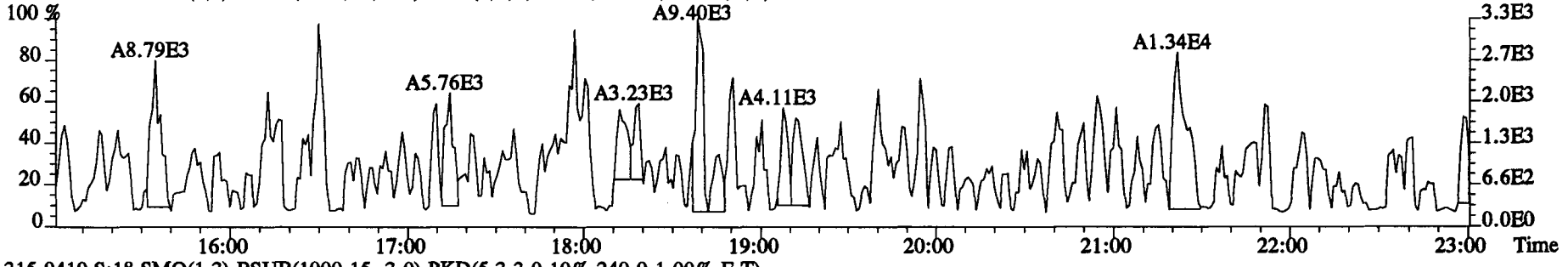


File:01SE104D5 #1-530 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

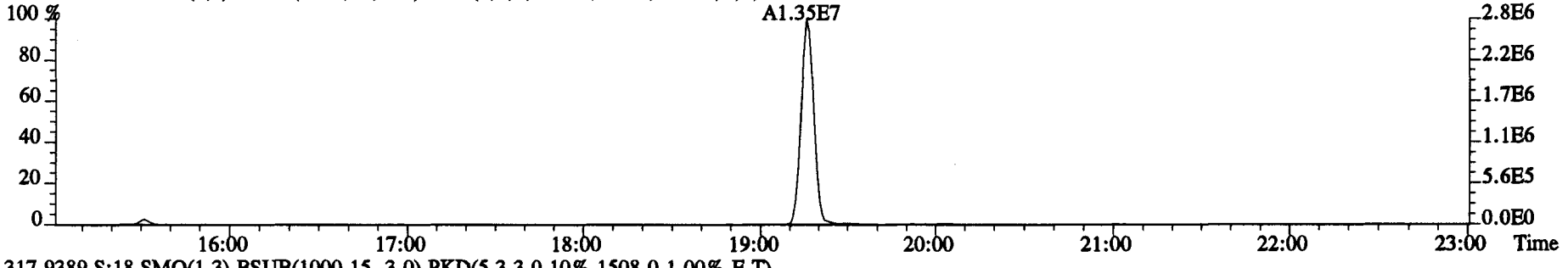
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,780.0,1.00%,F,T)



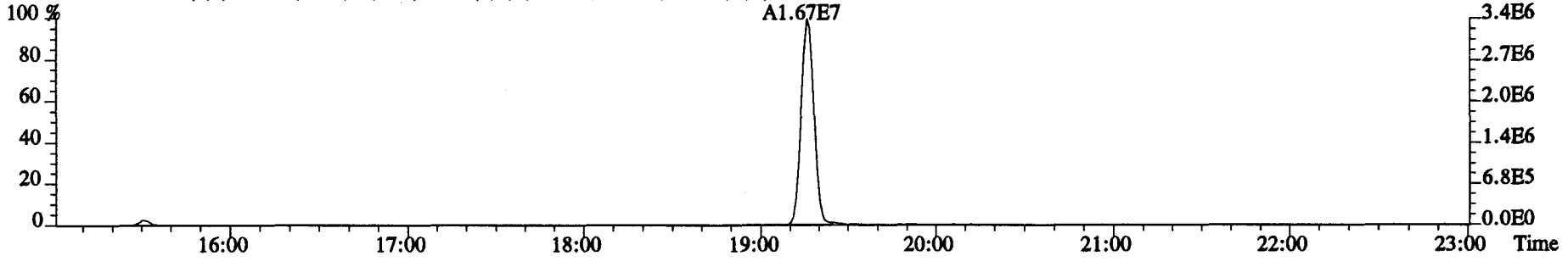
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1472.0,1.00%,F,T)



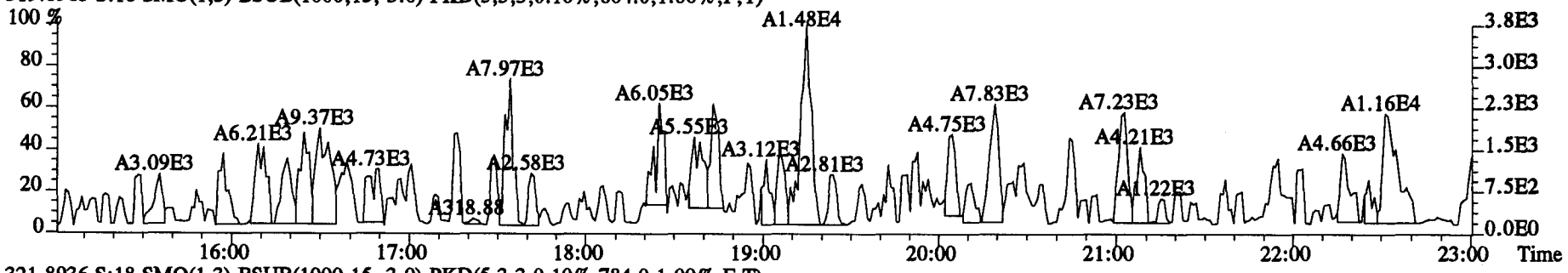
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,240.0,1.00%,F,T)

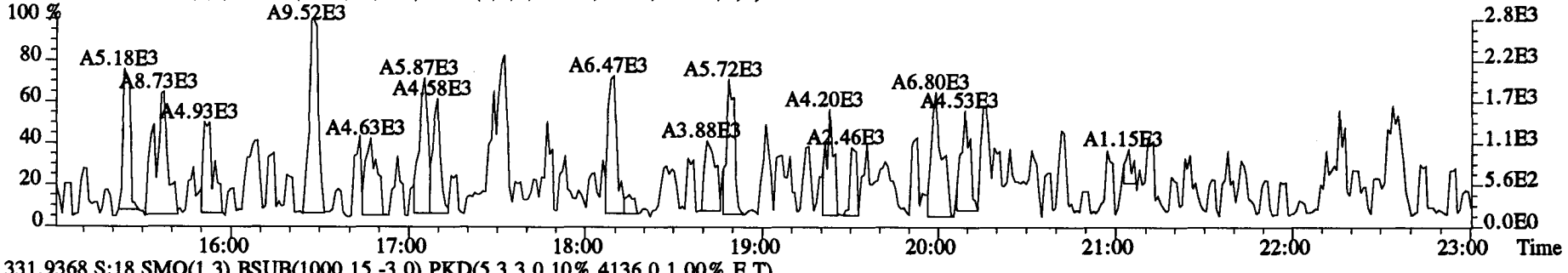


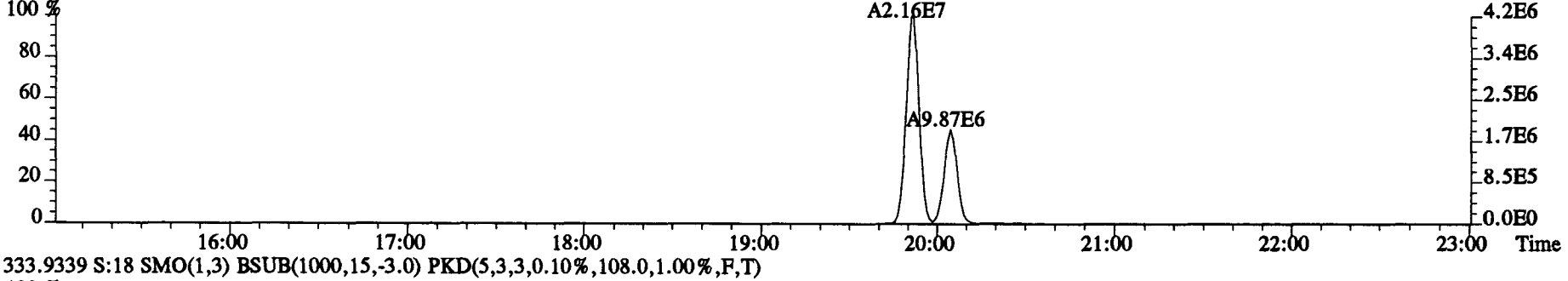
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1508.0,1.00%,F,T)

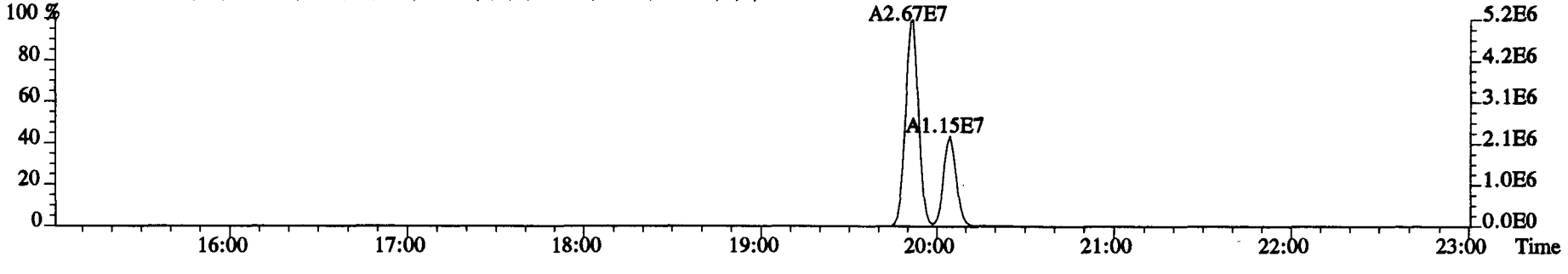


File:01SE104D5 #1-530 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

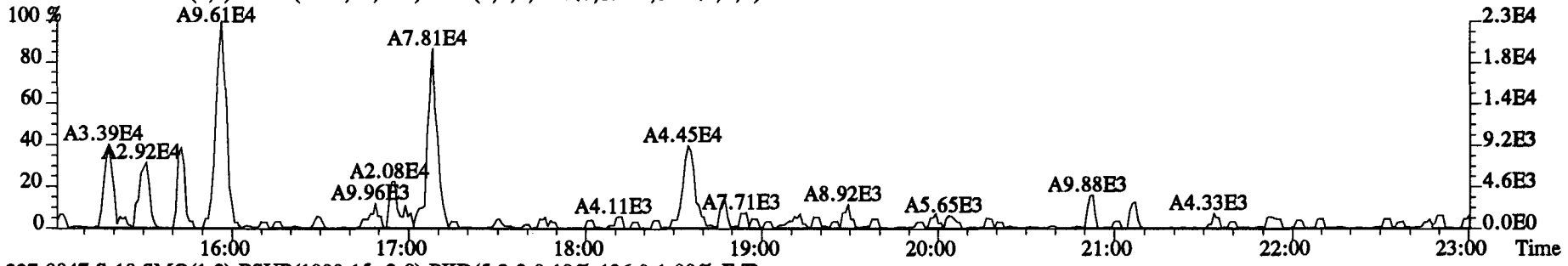




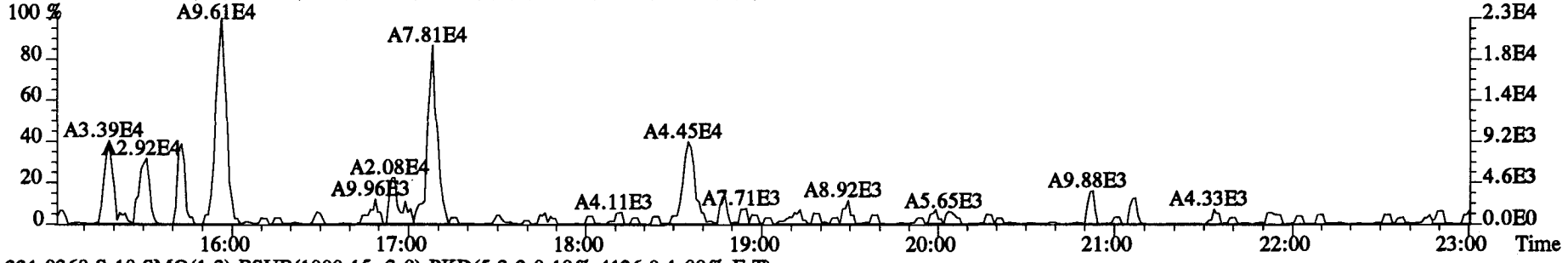




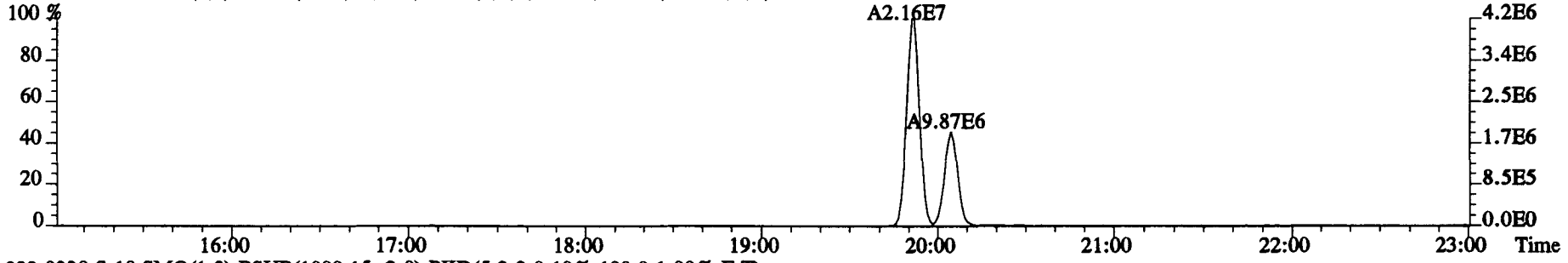
File:01SE104D5 #1-530 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



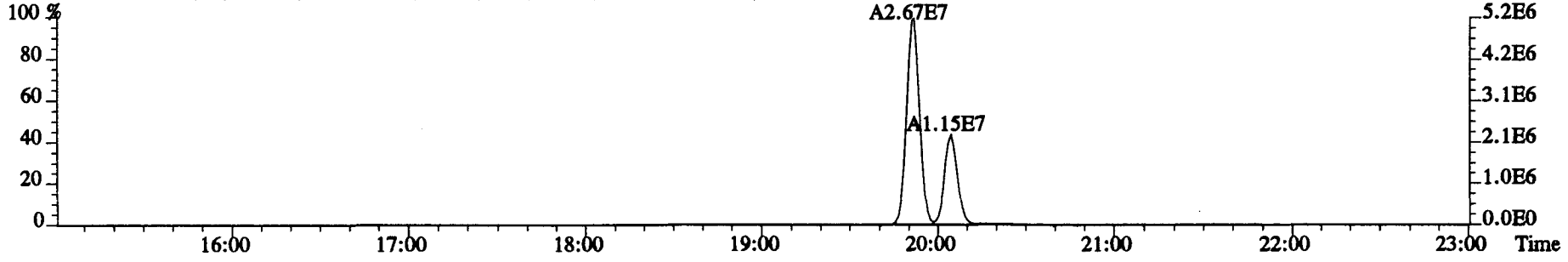
327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4136.0,1.00%,F,T)

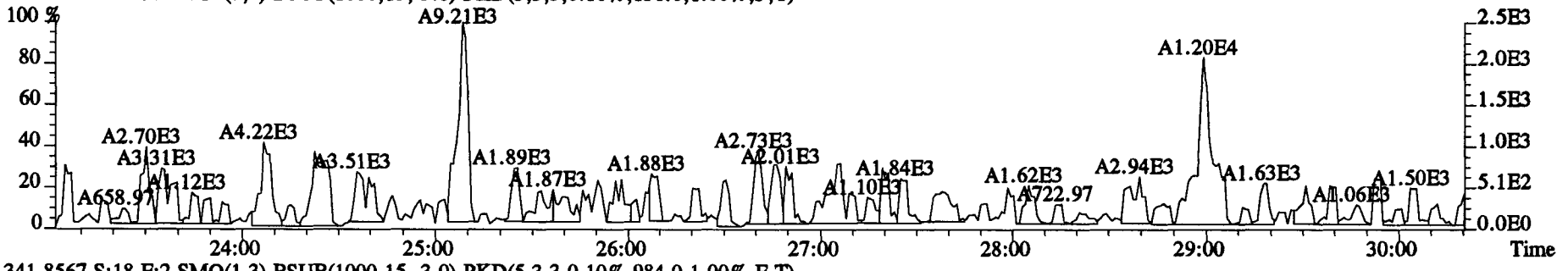


333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)

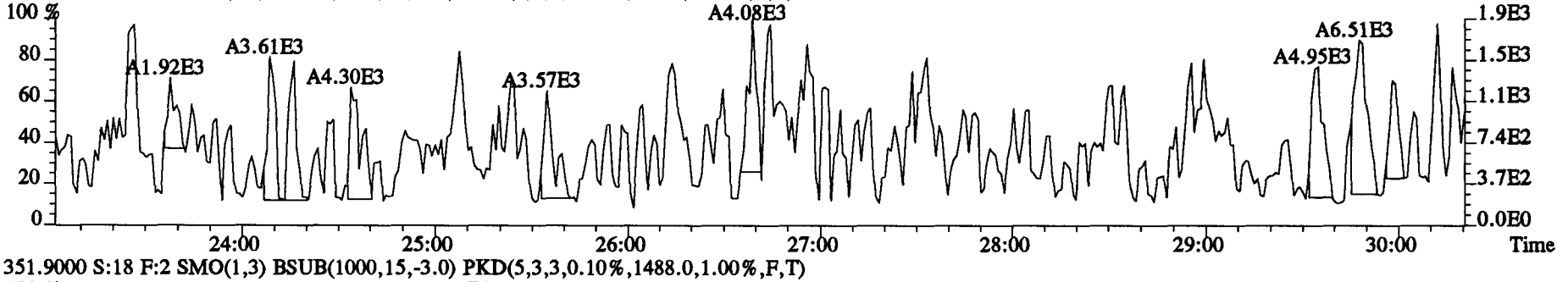


File:01SE104D5 #1-470 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

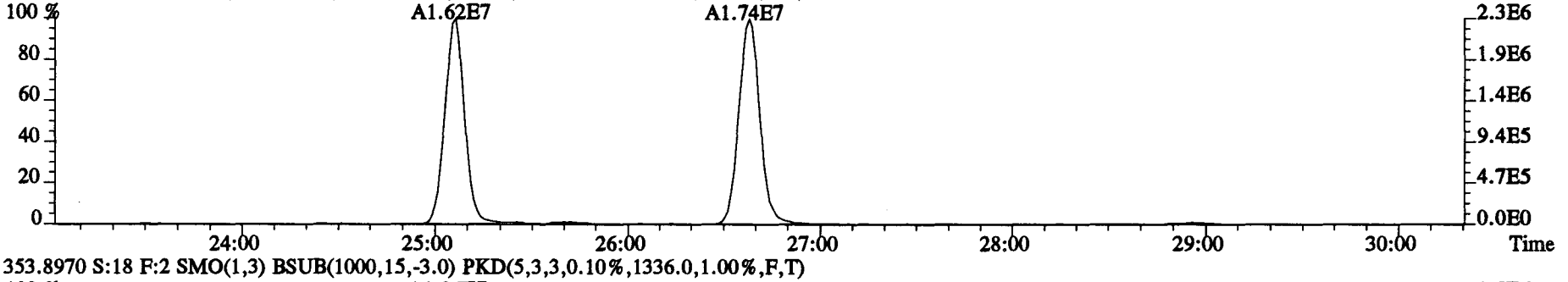
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156.0,1.00%,F,T)



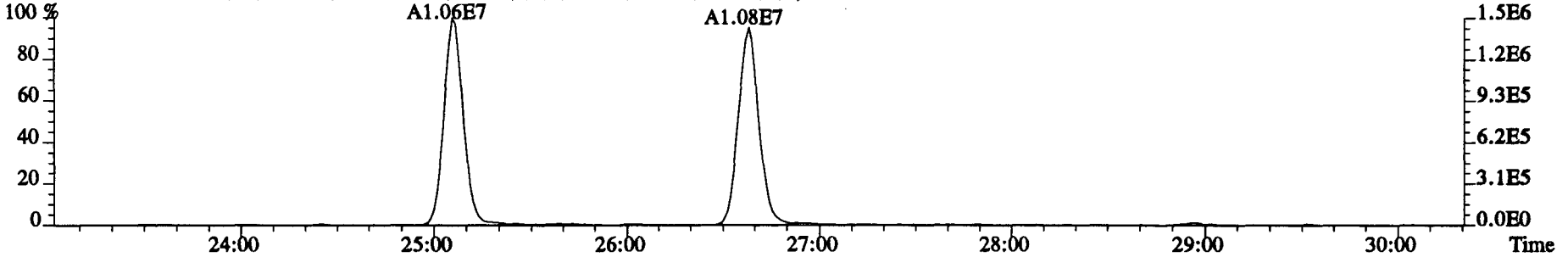
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,984.0,1.00%,F,T)



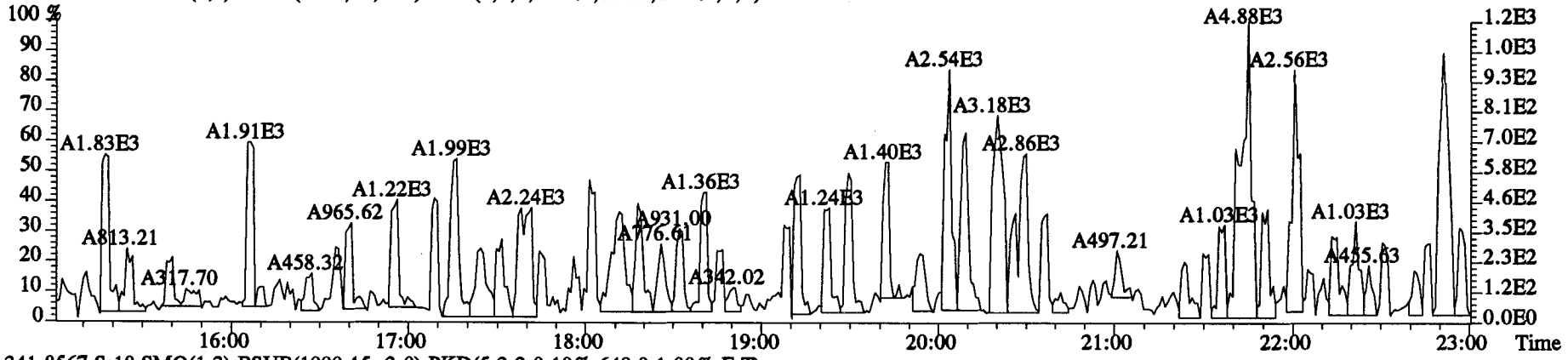
351.9000 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1488.0,1.00%,F,T)



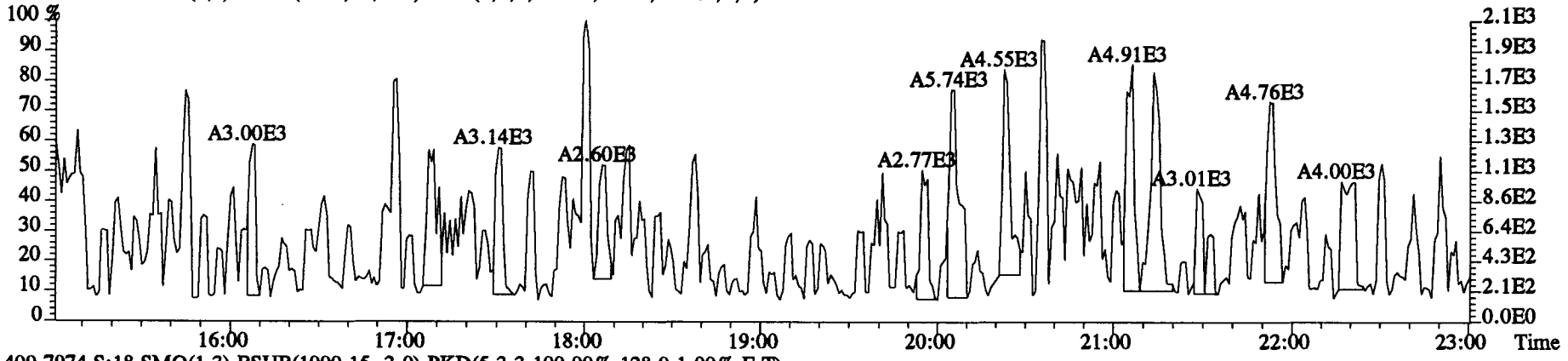
353.8970 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)



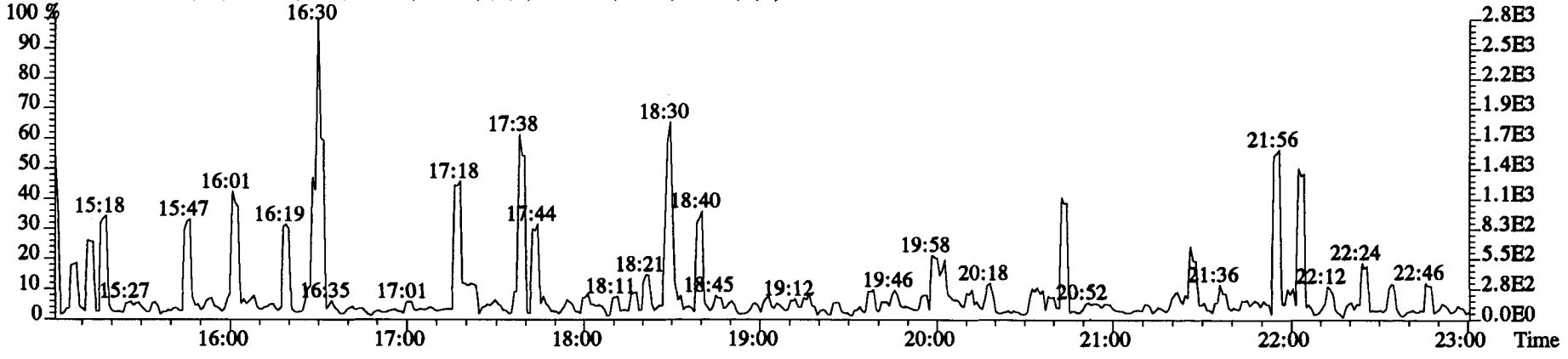
File:01SE104D5 #1-530 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES
339.8597 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)



341.8567 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,648.0,1.00%,F,T)

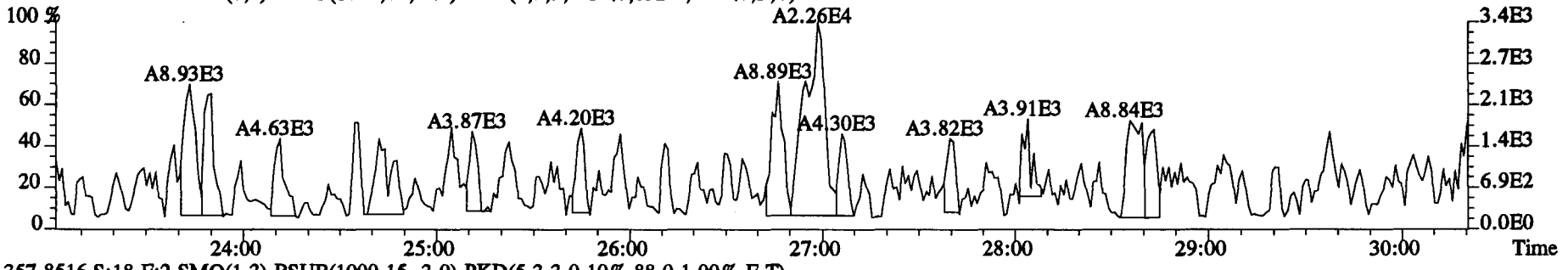


409.7974 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,128.0,1.00%,F,T)

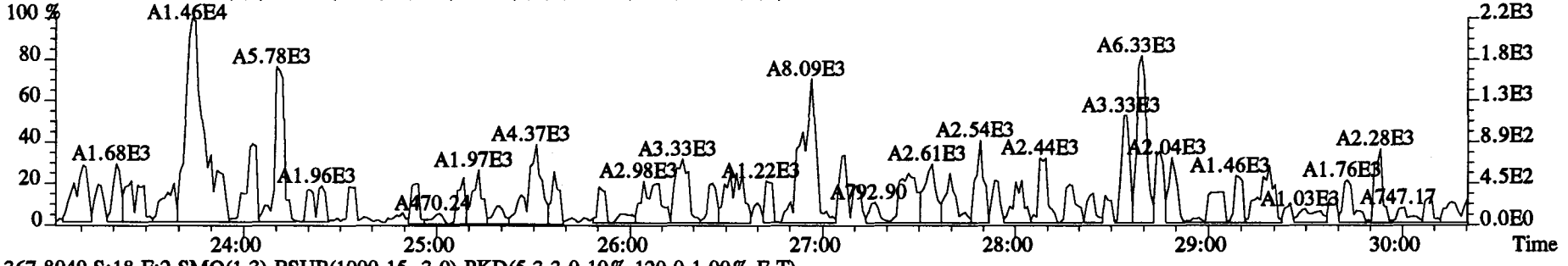


File:01SE104D5 #1-470 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

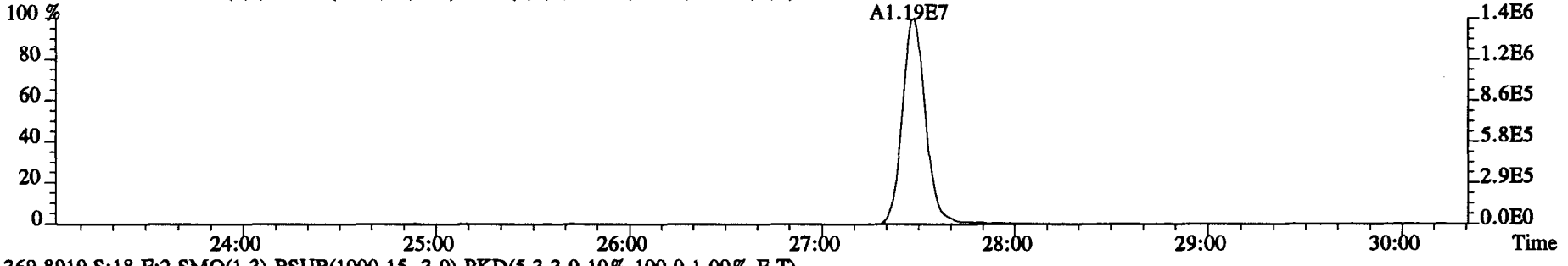
355.8546 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,832.0,1.00%,F,T)



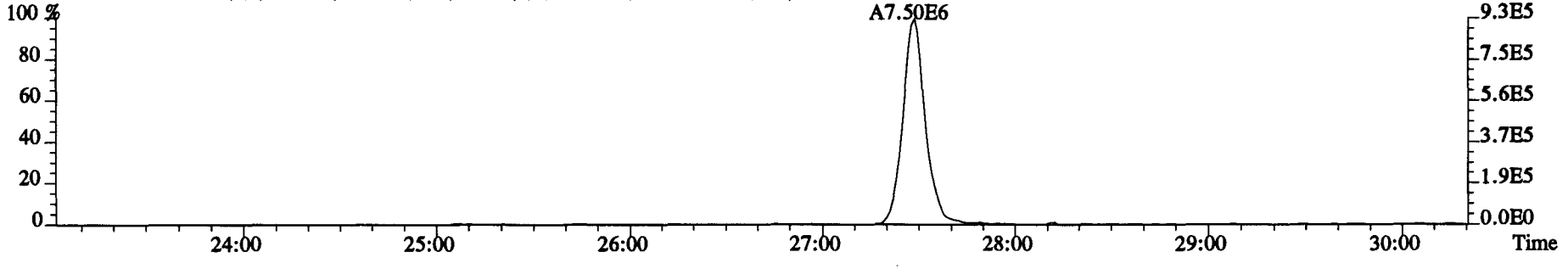
357.8516 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



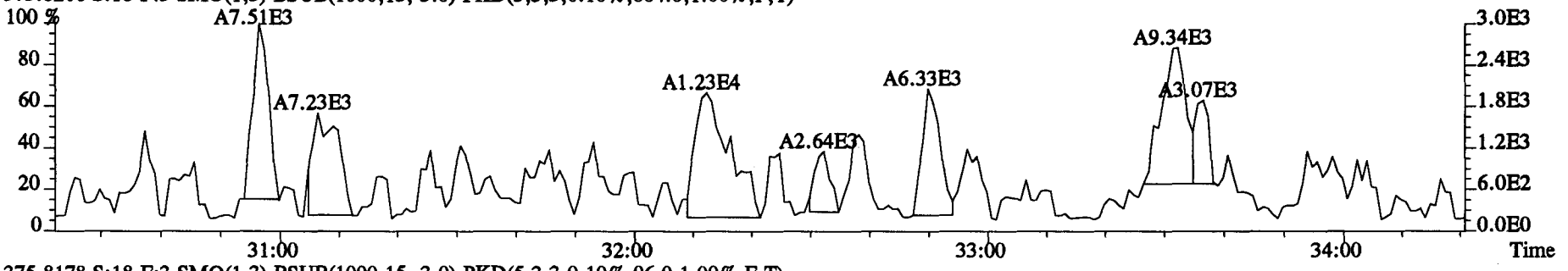
367.8949 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)

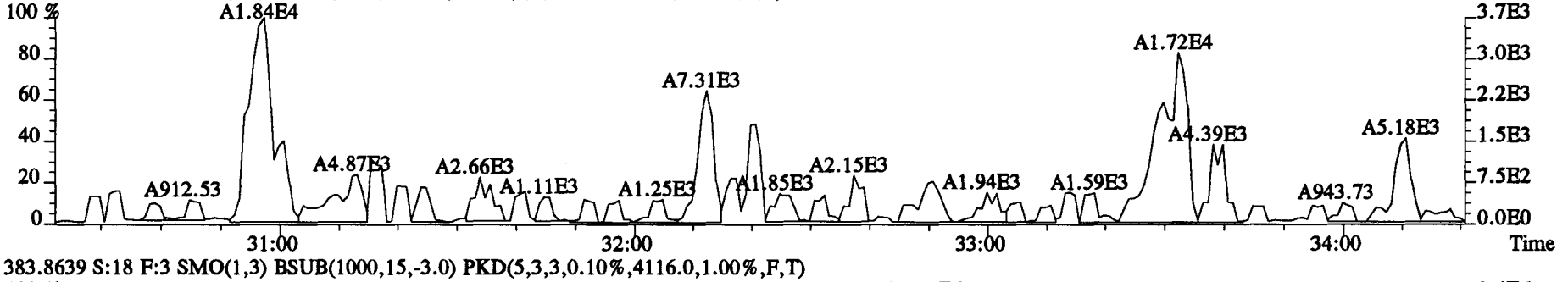


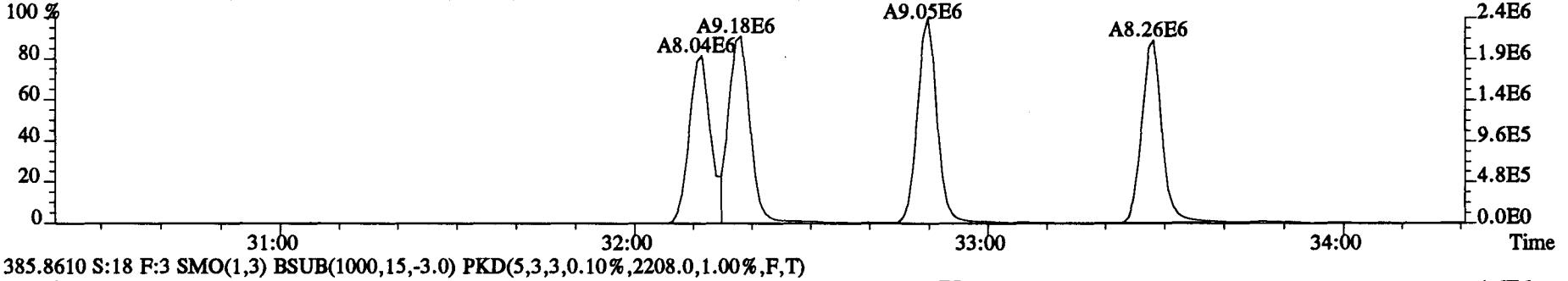
369.8919 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)

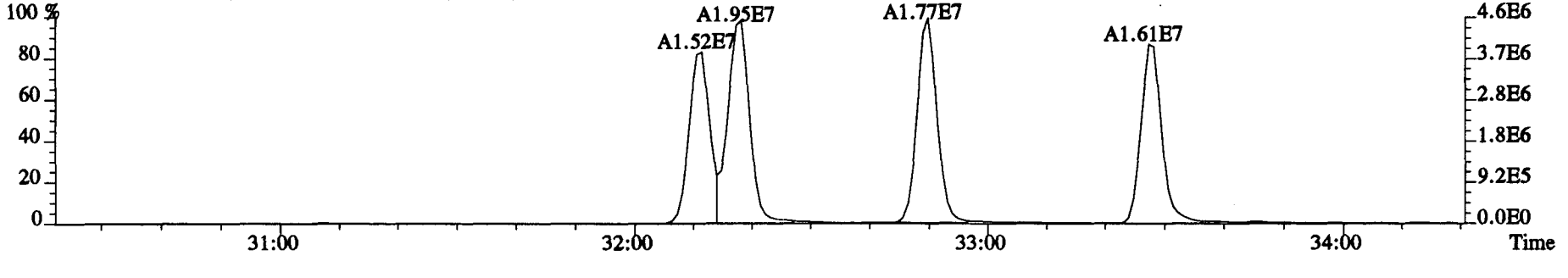


File:01SE104D5 #1-287 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES



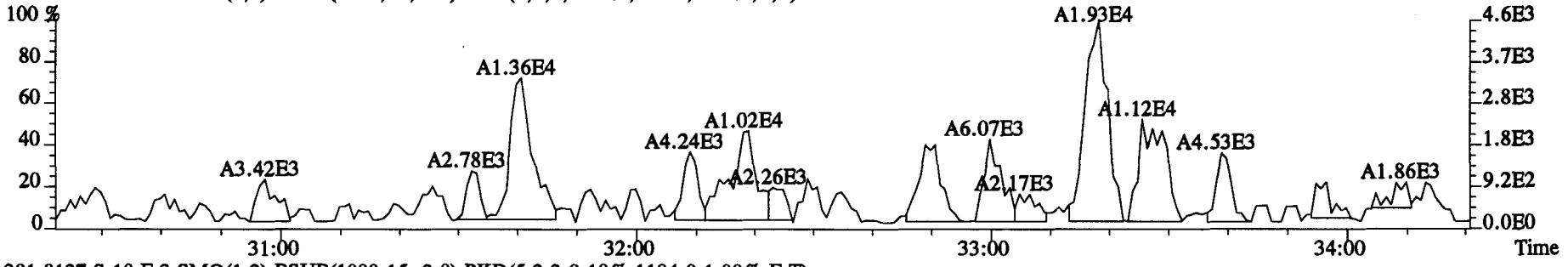




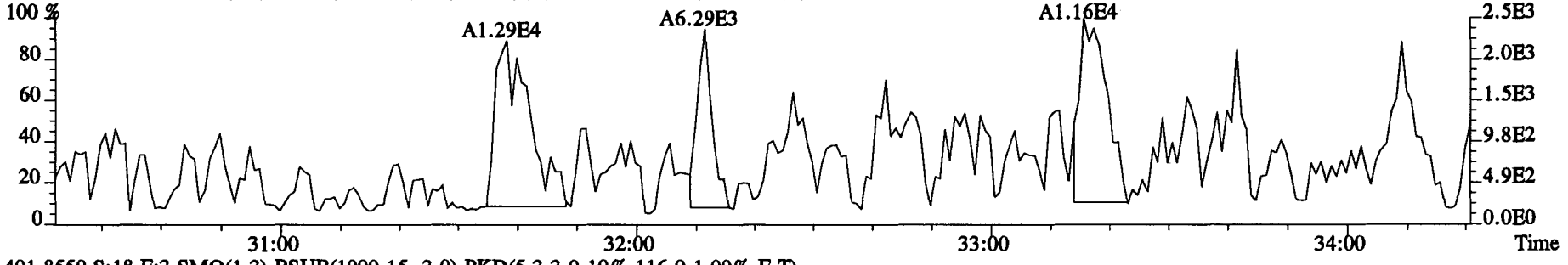


File:01SE104D5 #1-287 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

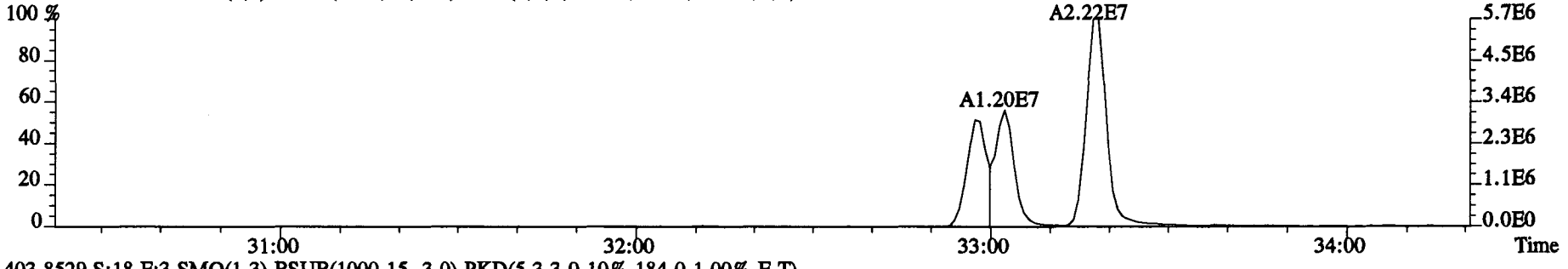
389.8157 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,556.0,1.00%,F,T)



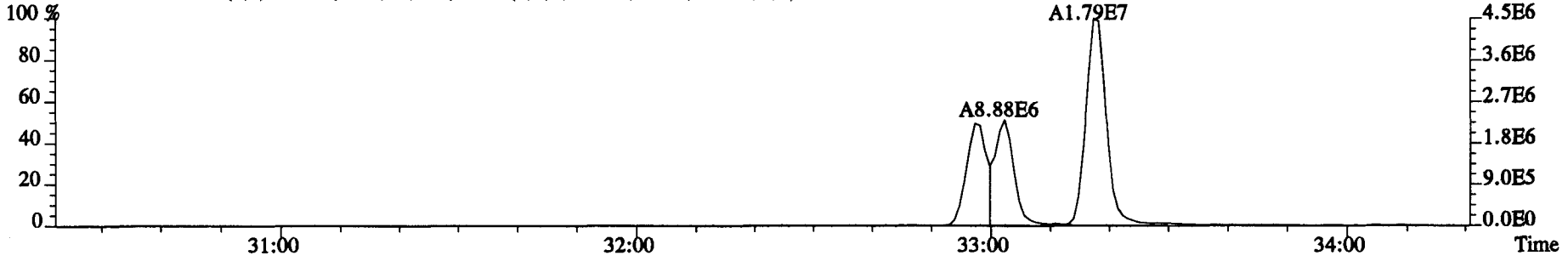
391.8127 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



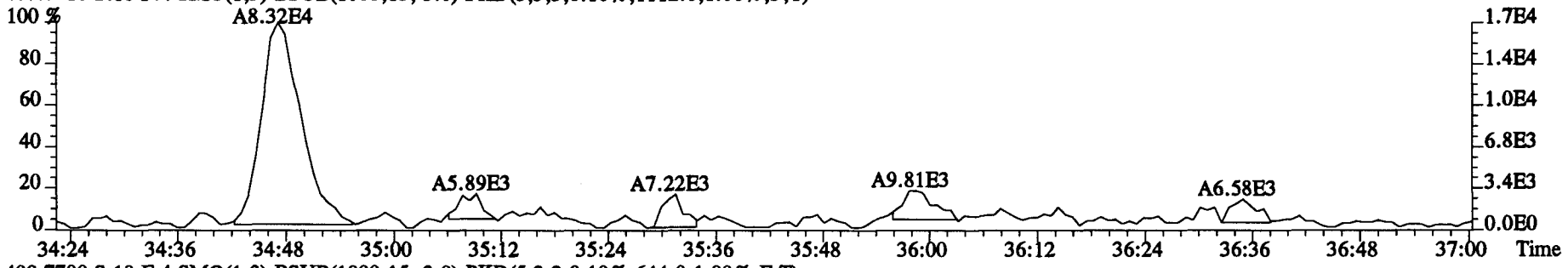
401.8559 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



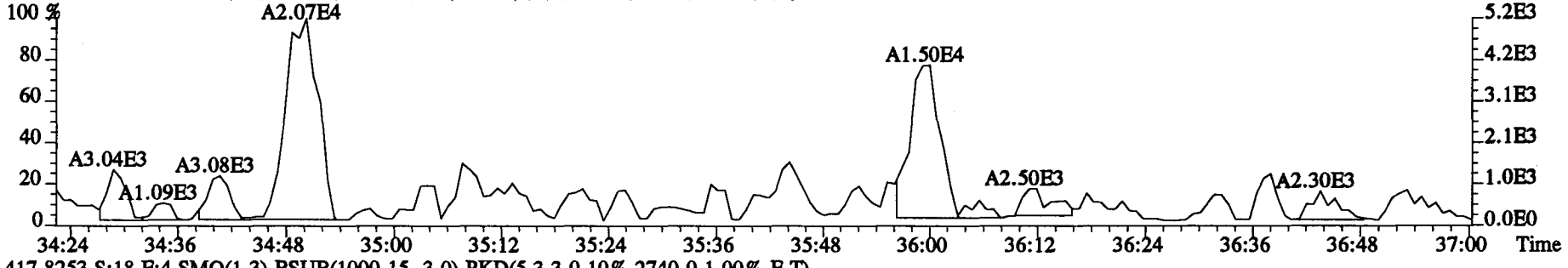
403.8529 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,184.0,1.00%,F,T)



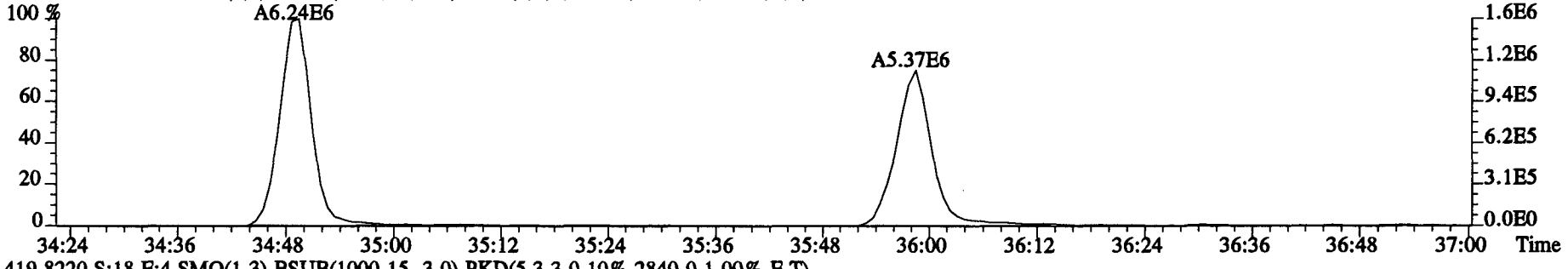
File:01SE104D5 #1-200 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES
407.7818 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1112.0,1.00%,F,T)



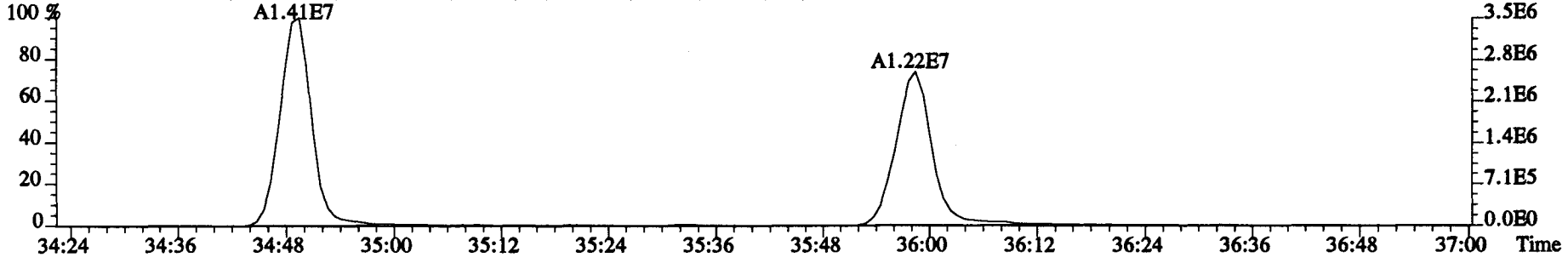
409.7789 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,644.0,1.00%,F,T)



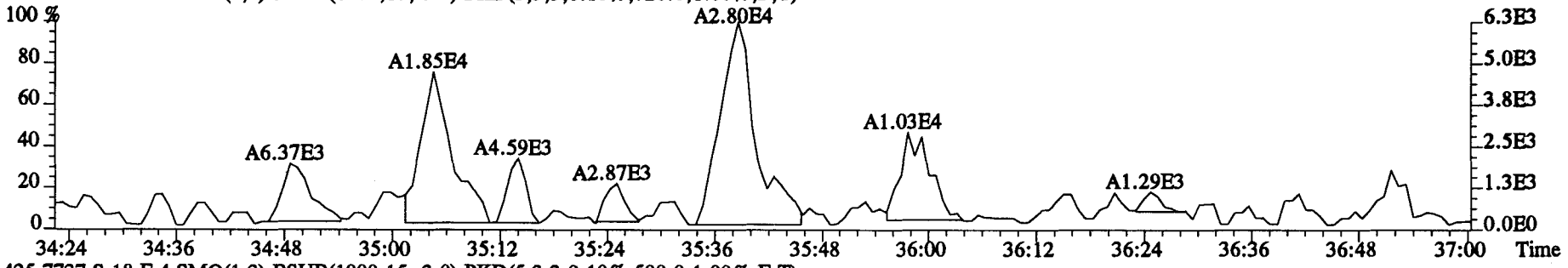
417.8253 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2740.0,1.00%,F,T)



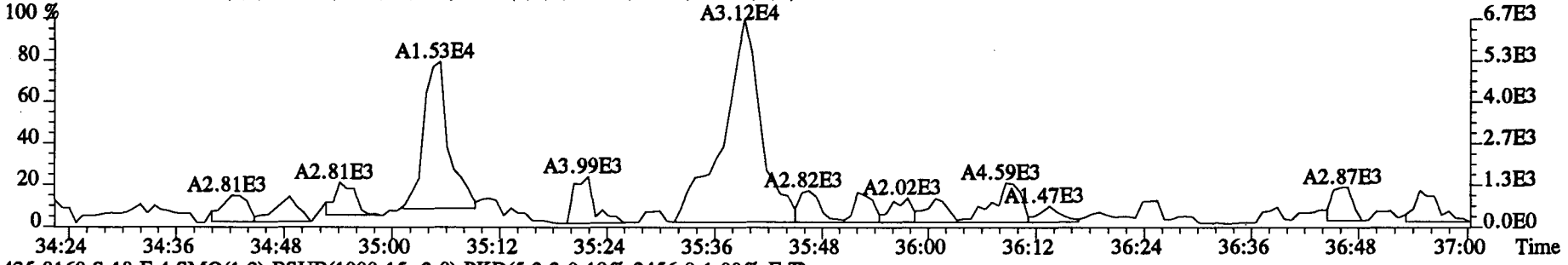
419.8220 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2840.0,1.00%,F,T)



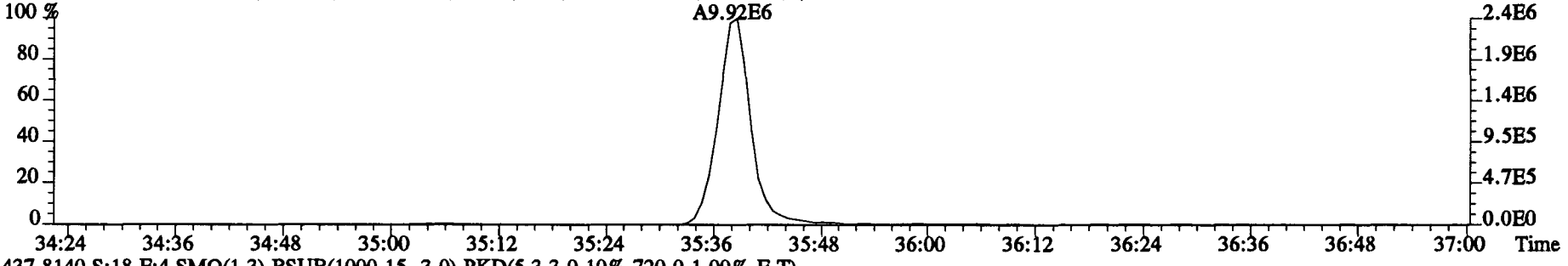
File:01SE104D5 #1-200 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES
423.7766 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)



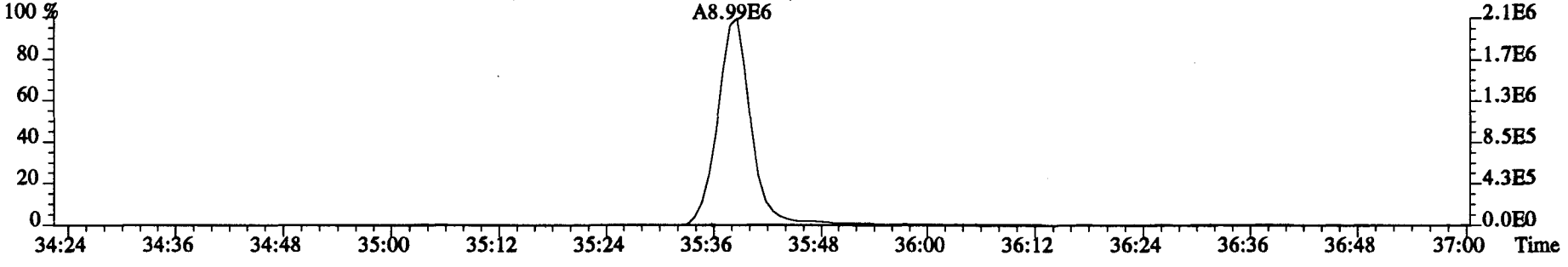
425.7737 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,500.0,1.00%,F,T)



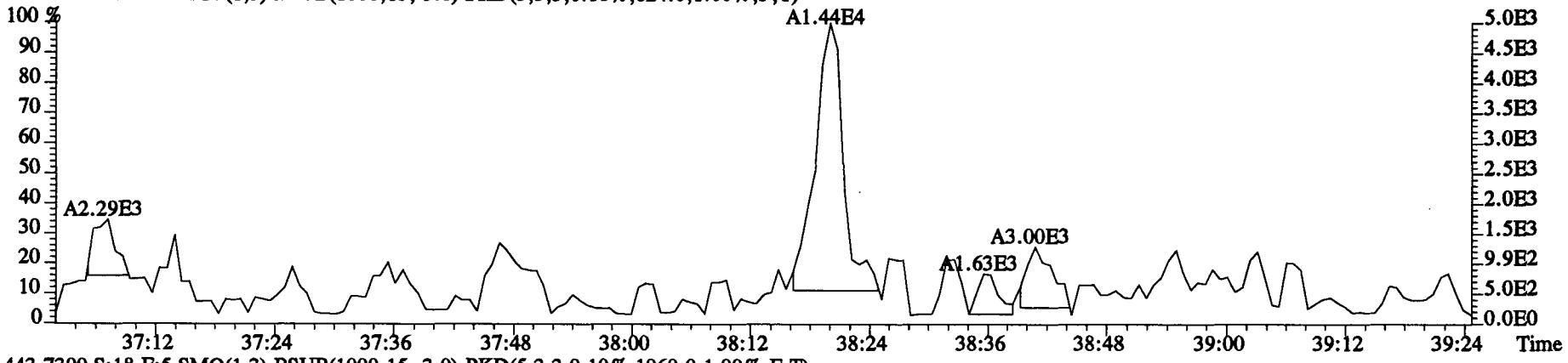
435.8169 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2456.0,1.00%,F,T)



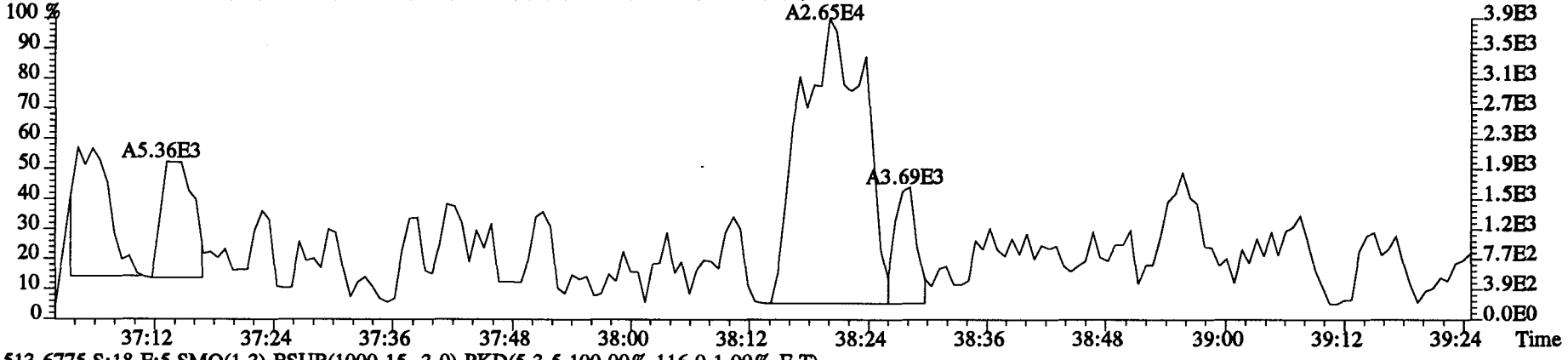
437.8140 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)



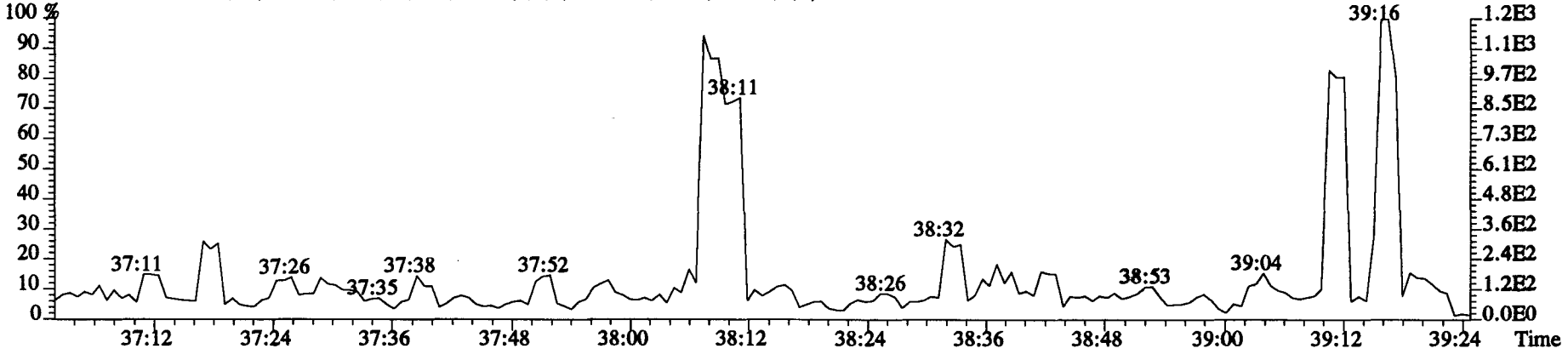
File:01SE104D5 #1-193 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES
441.7428 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,824.0,1.00%,F,T)



443.7399 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1060.0,1.00%,F,T)

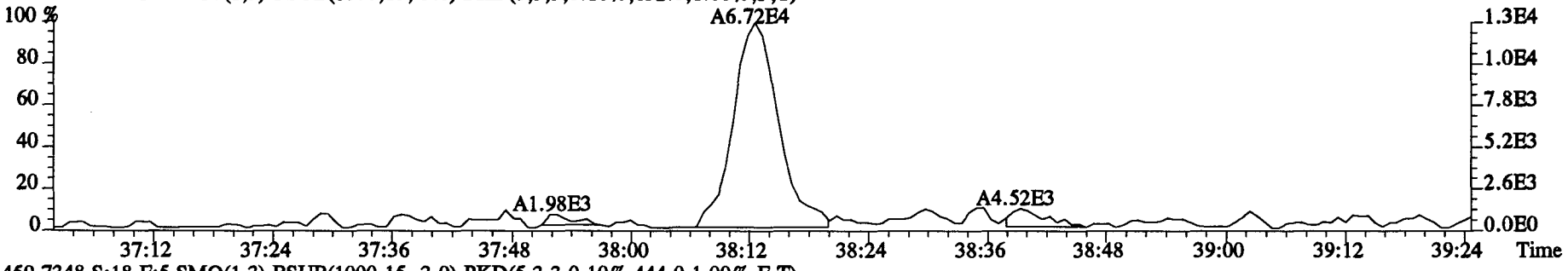


513.6775 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,116.0,1.00%,F,T)

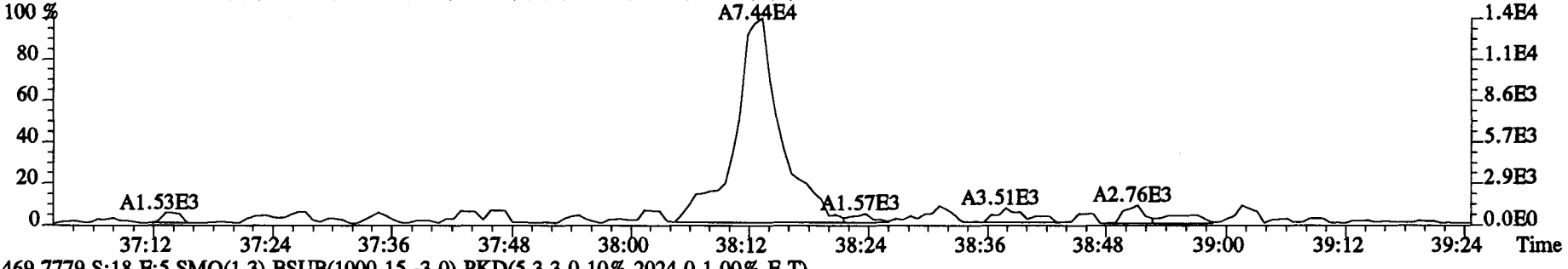


File:01SE104D5 #1-193 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

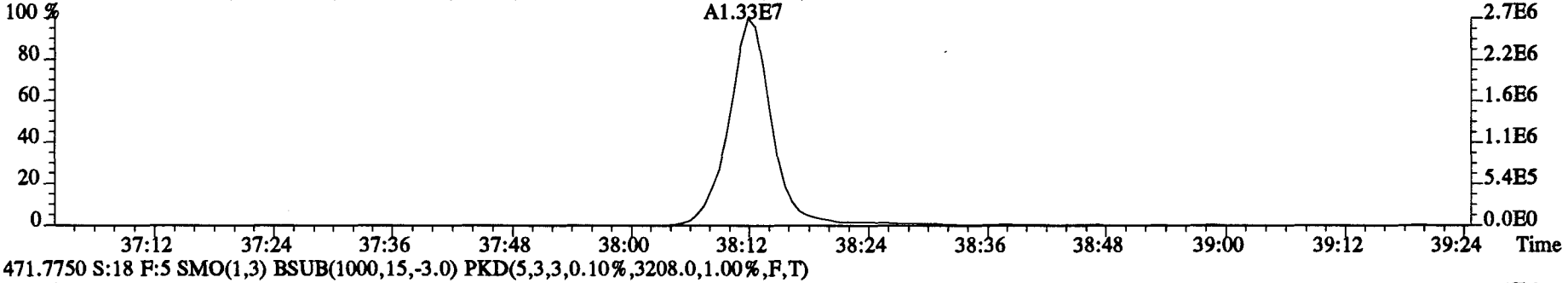
457.7377 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,632.0,1.00%,F,T)



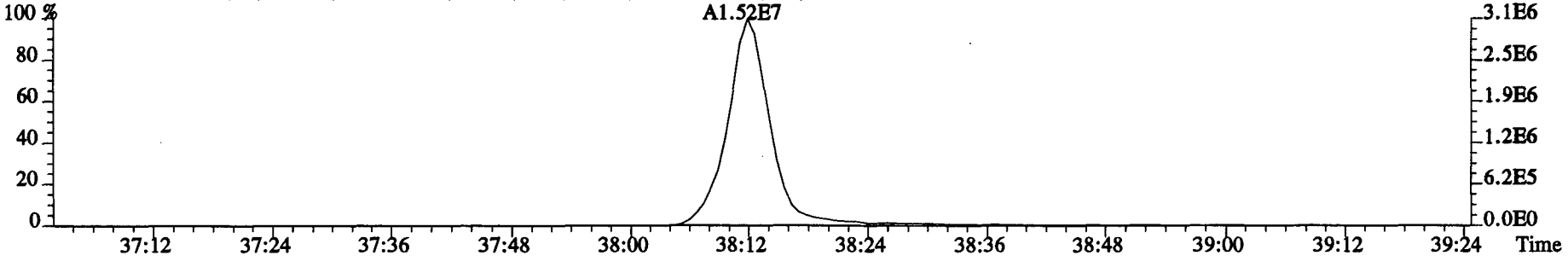
459.7348 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,444.0,1.00%,F,T)



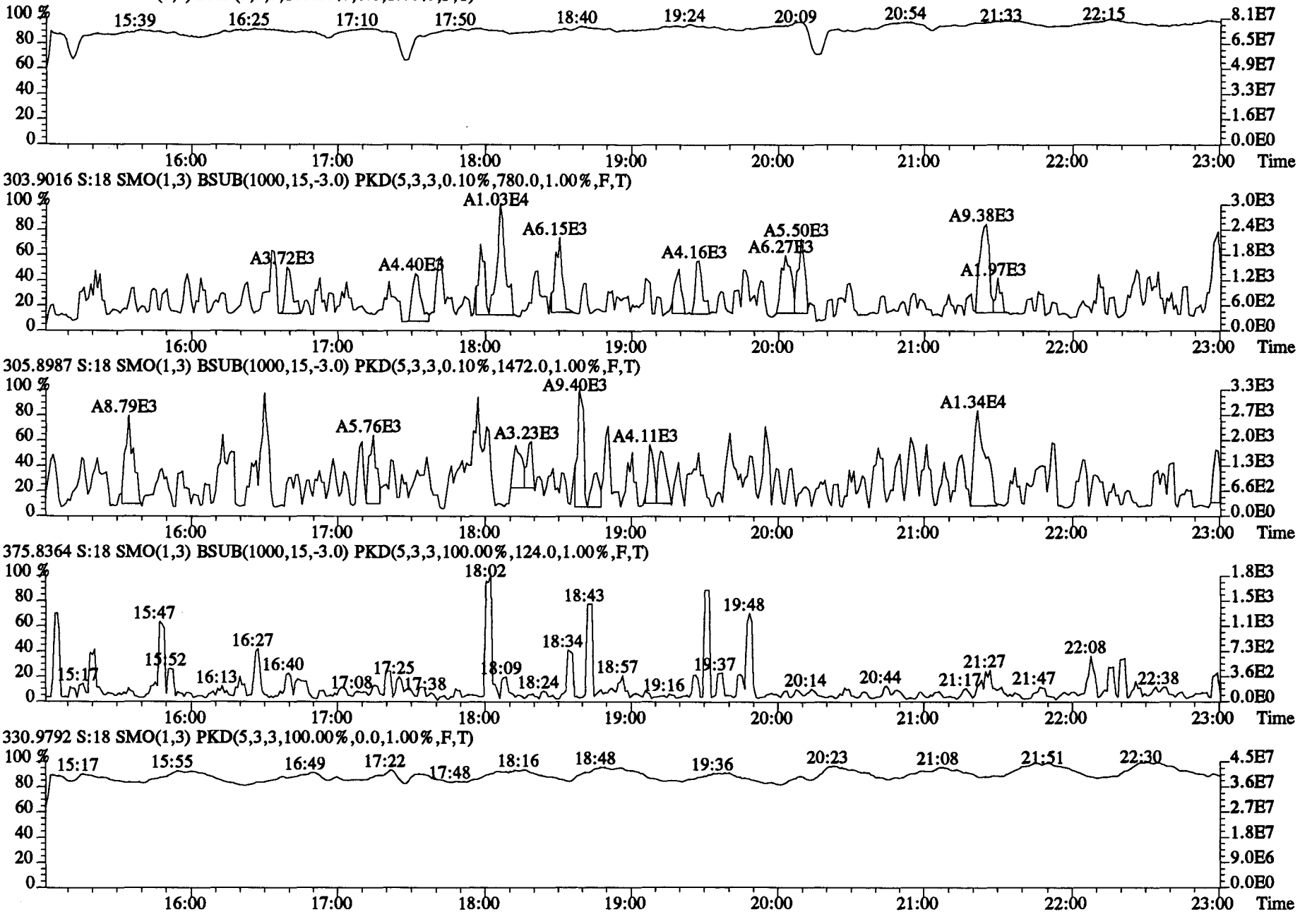
469.7779 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2024.0,1.00%,F,T)



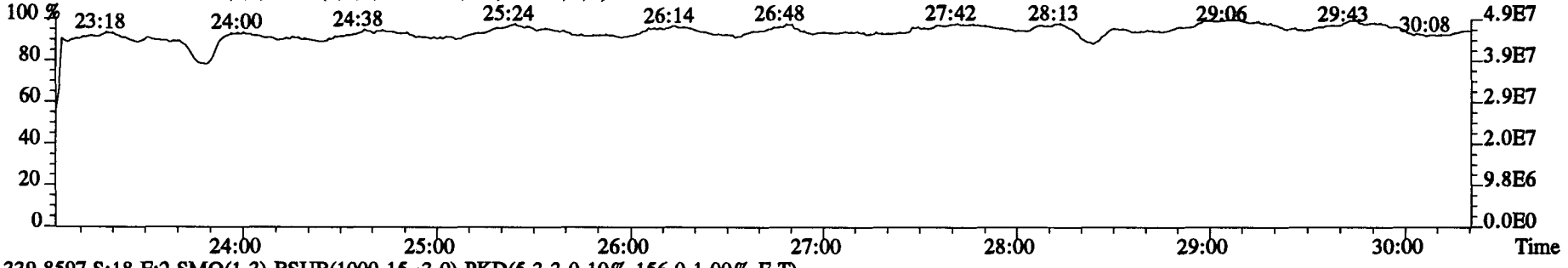
471.7750 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3208.0,1.00%,F,T)



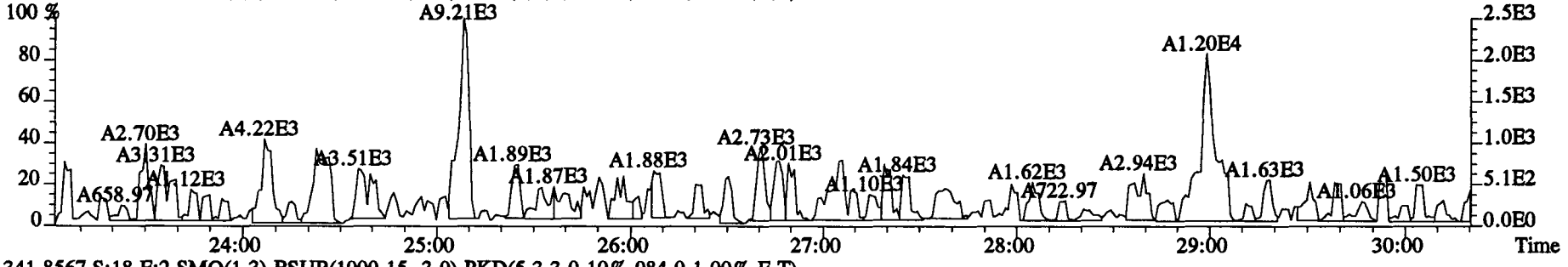
File:01SE104D5 #1-530 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES



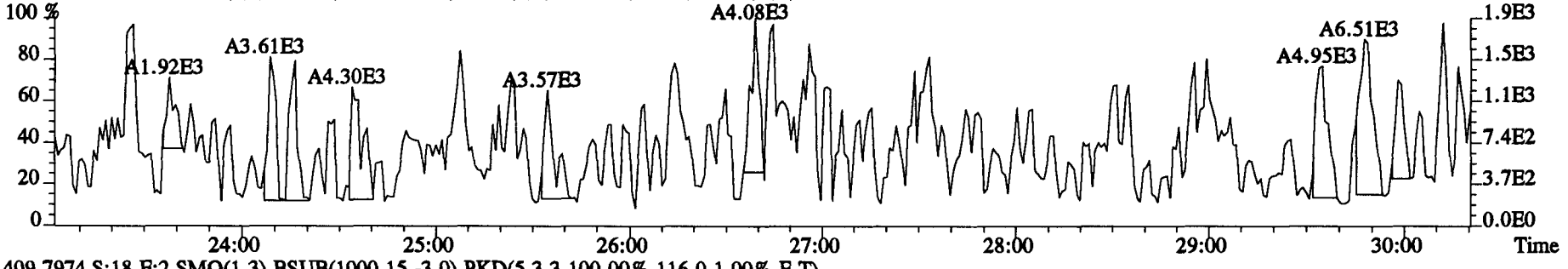
File:01SE104D5 #1-470 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES
342.9792 S:18 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



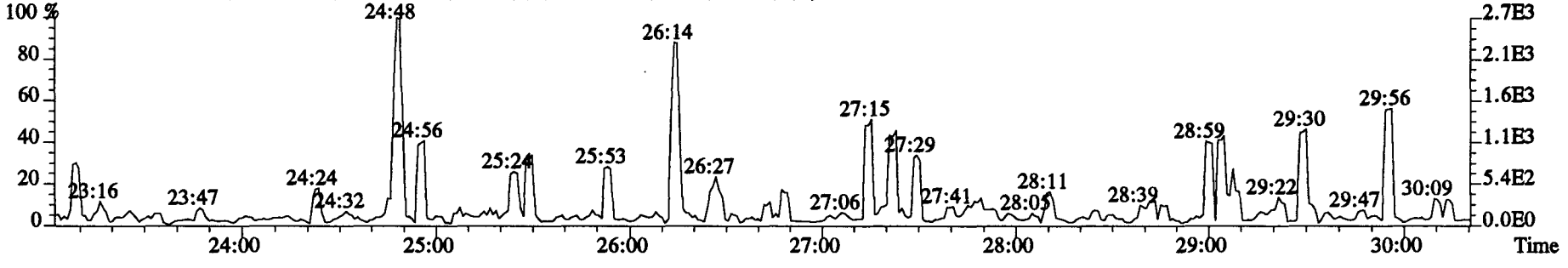
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156.0,1.00%,F,T)



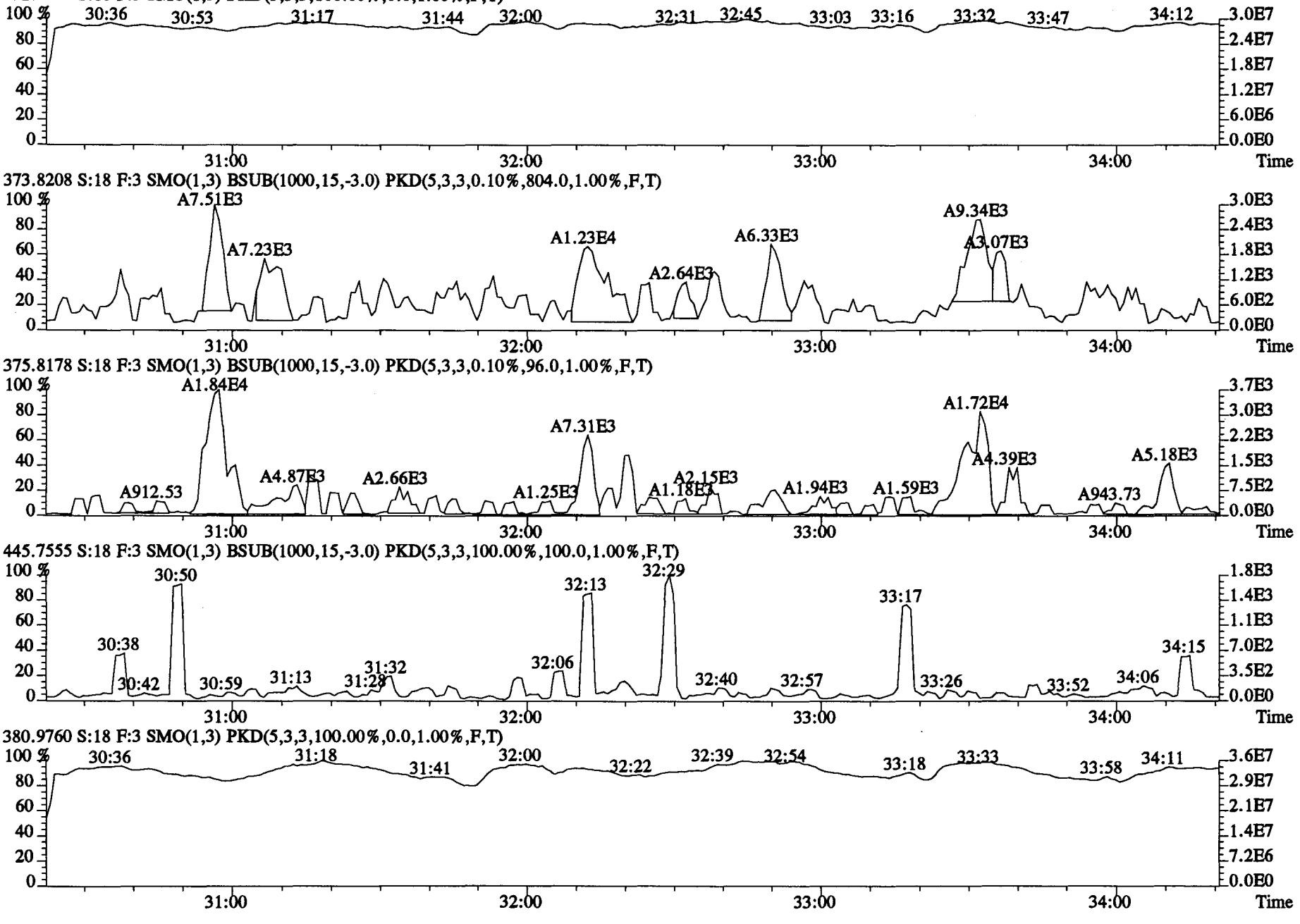
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,984.0,1.00%,F,T)



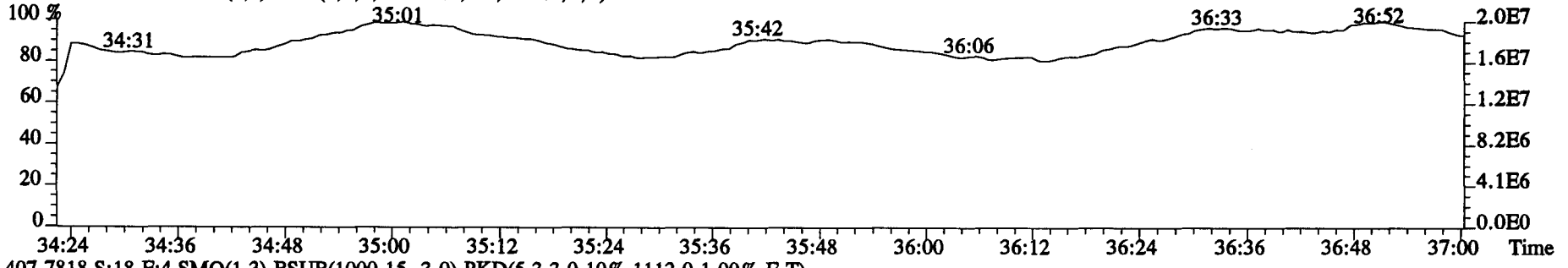
409.7974 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)

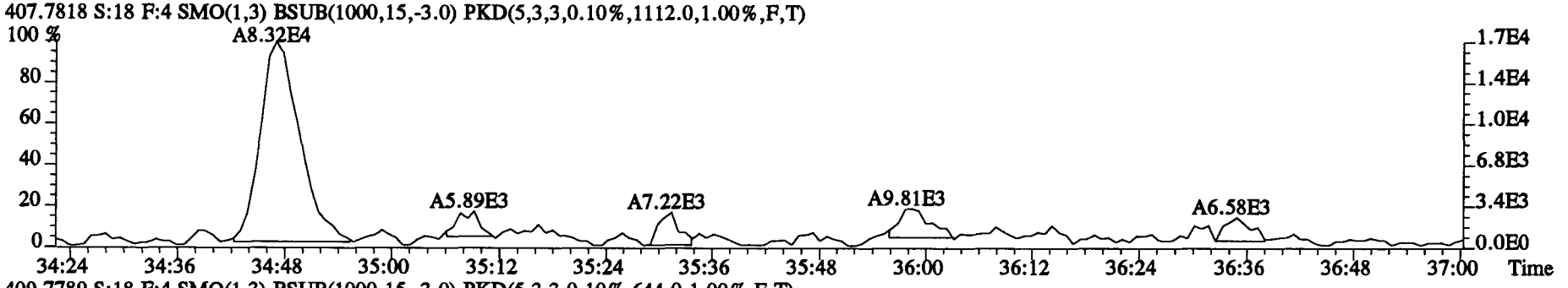


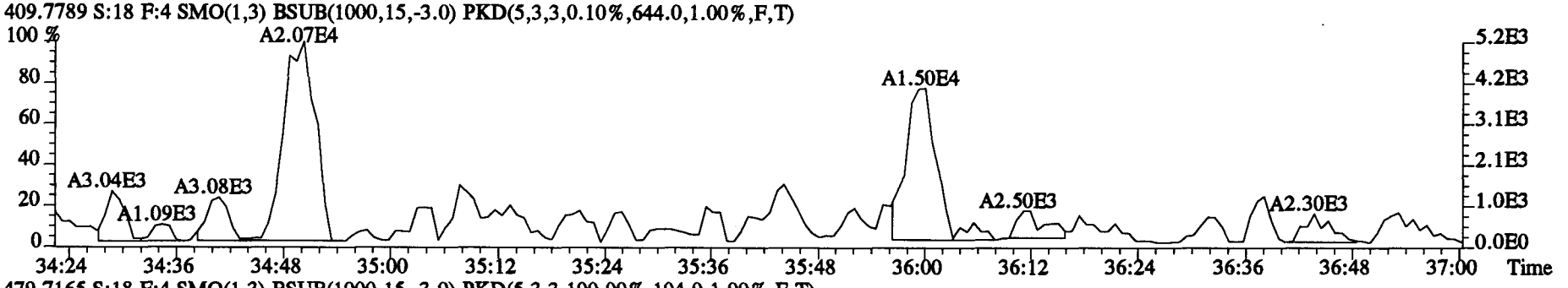
File:01SE104D5 #1-287 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

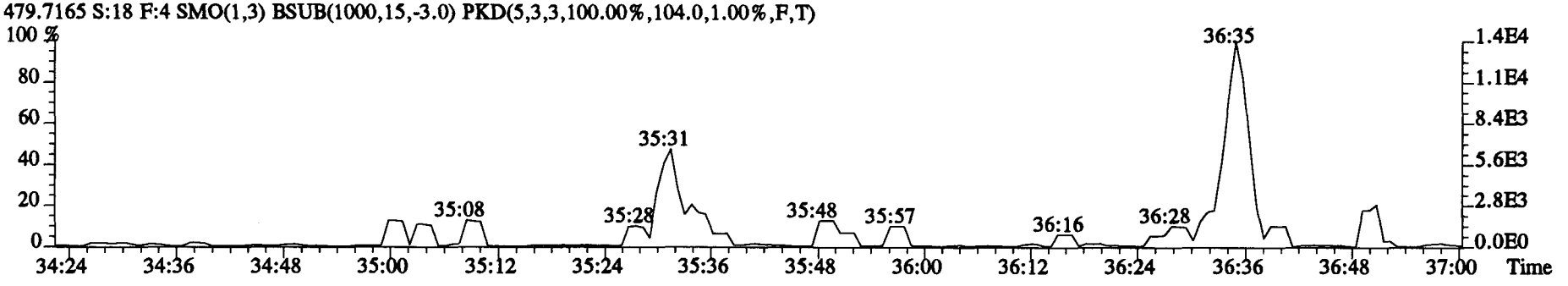


File:01SE104D5 #1-200 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES

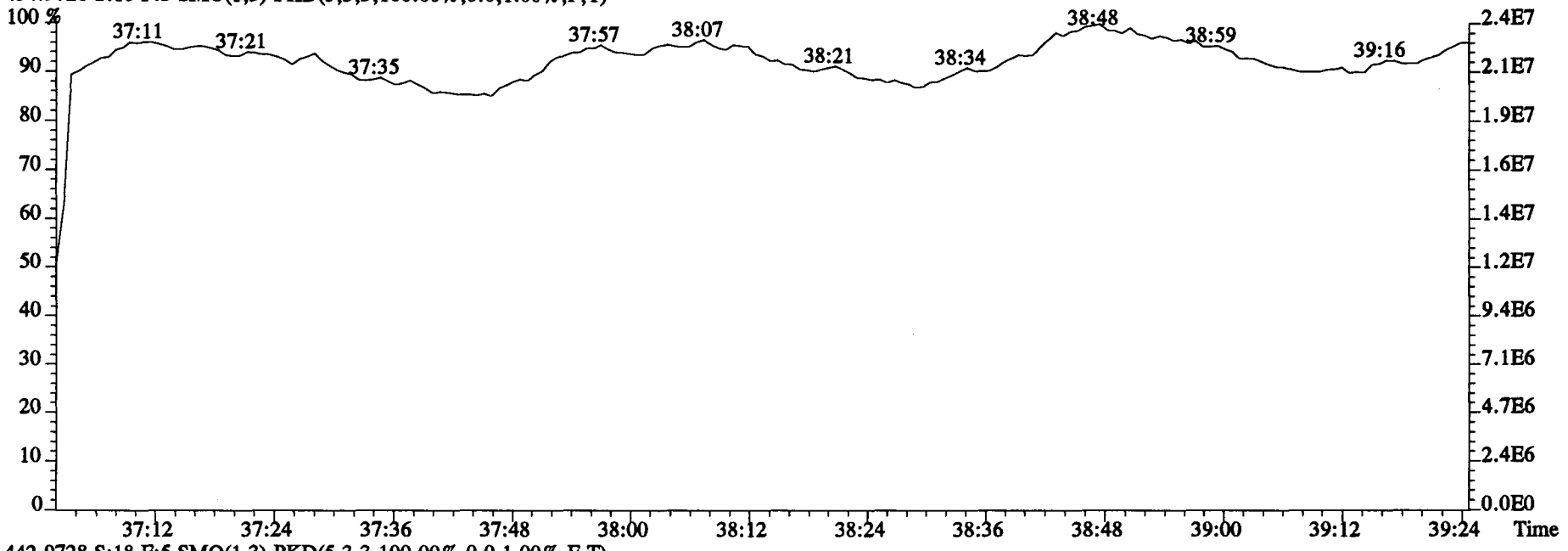




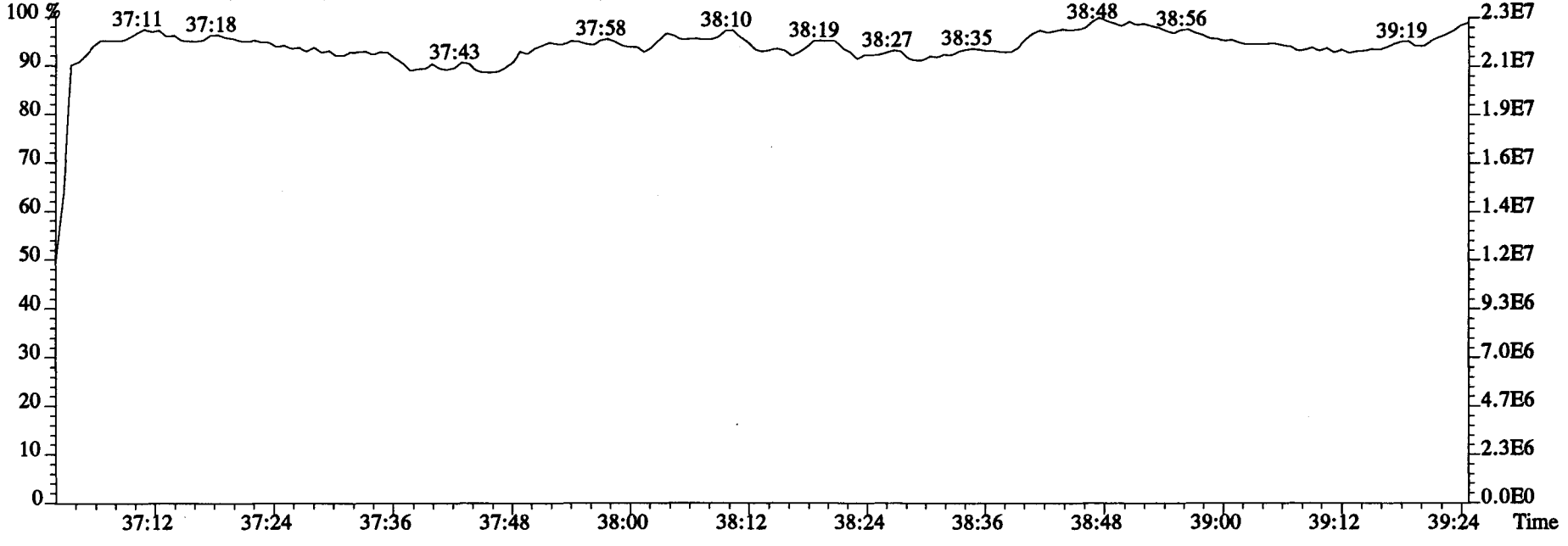




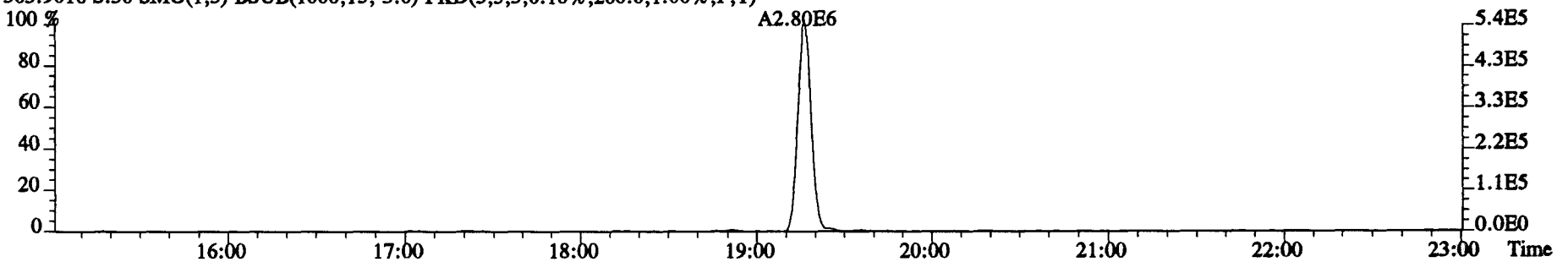
File:01SE104D5 #1-193 Acq: 1-SEP-2010 22:41:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6AE5-1-AA :G0H190589-1MB Exp:DIOXINRES
454.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



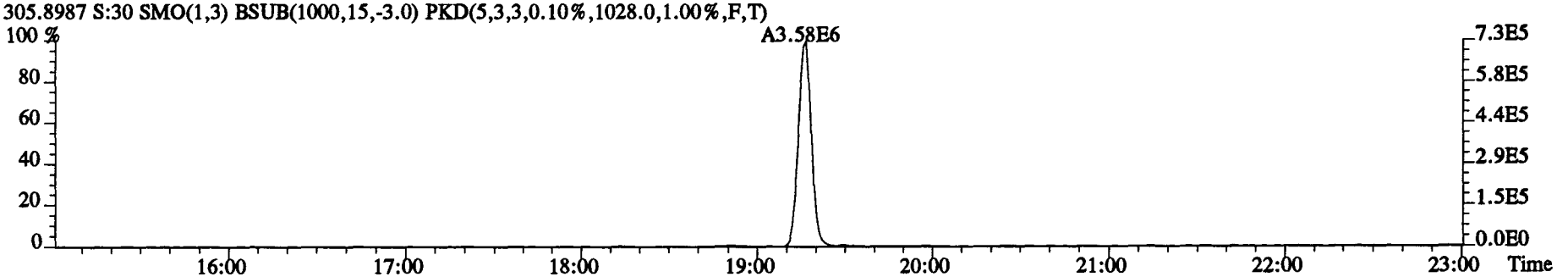
442.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



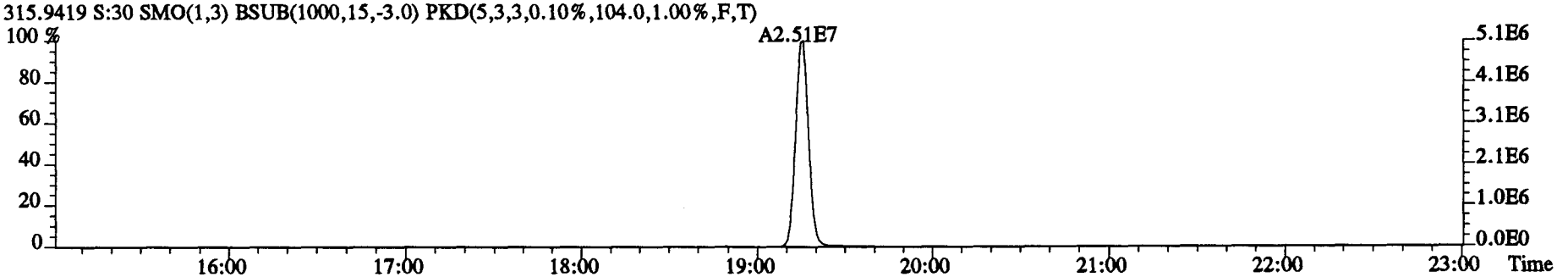
File:01SE104D5 #1-530 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
303.9016 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,260.0,1.00%,F,T)



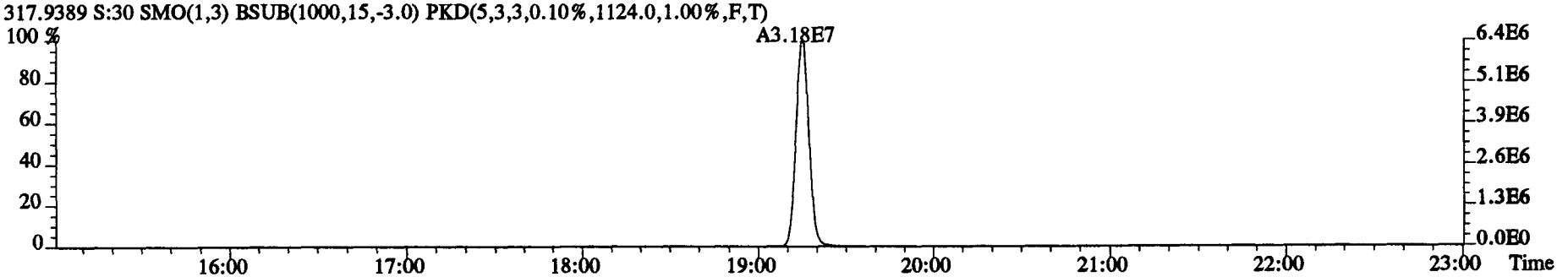
305.8987 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1028.0,1.00%,F,T)



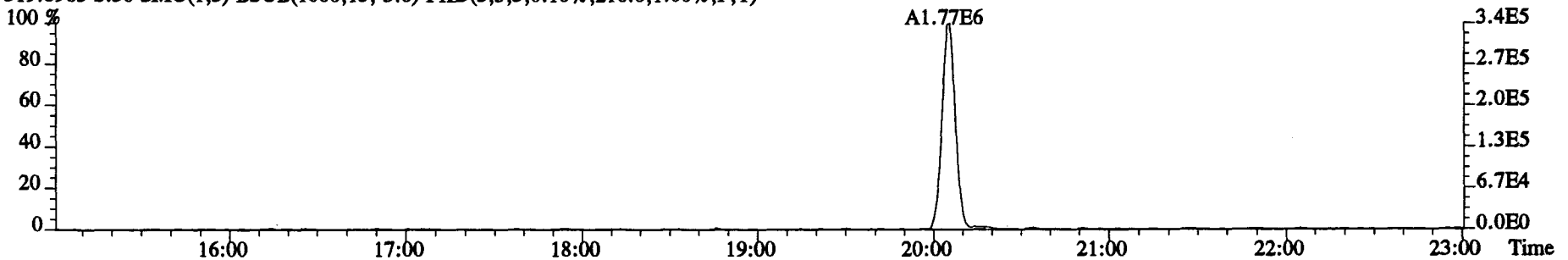
315.9419 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)

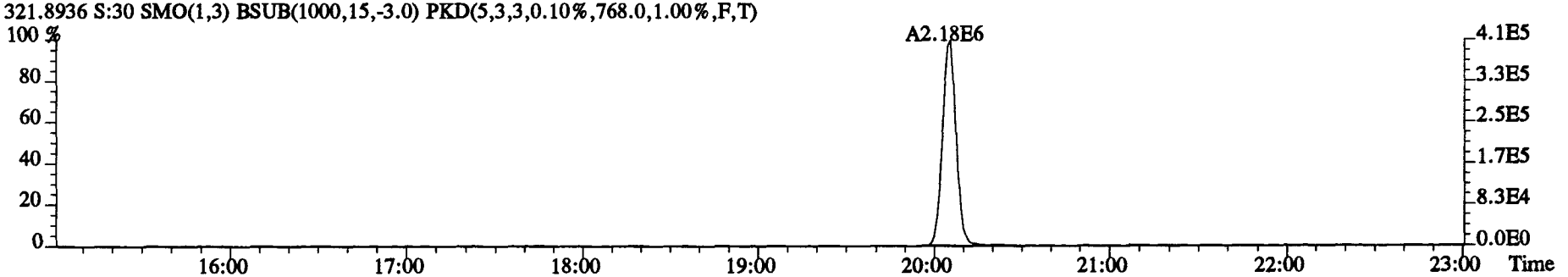


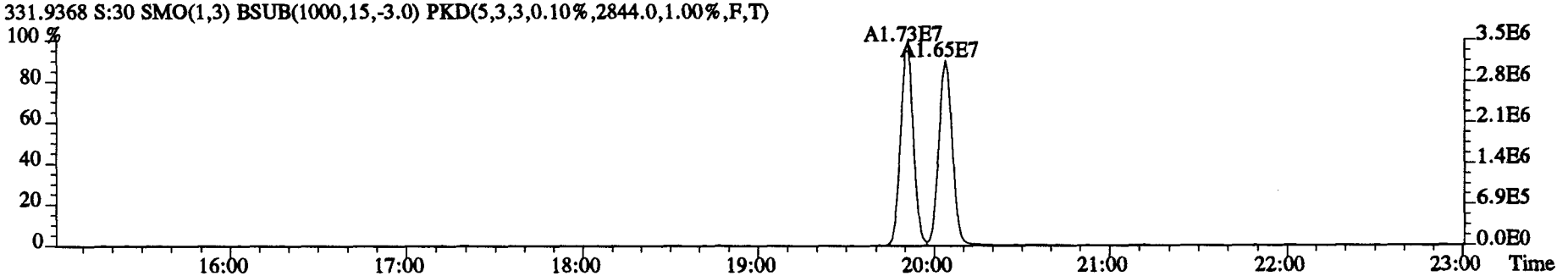
317.9389 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1124.0,1.00%,F,T)

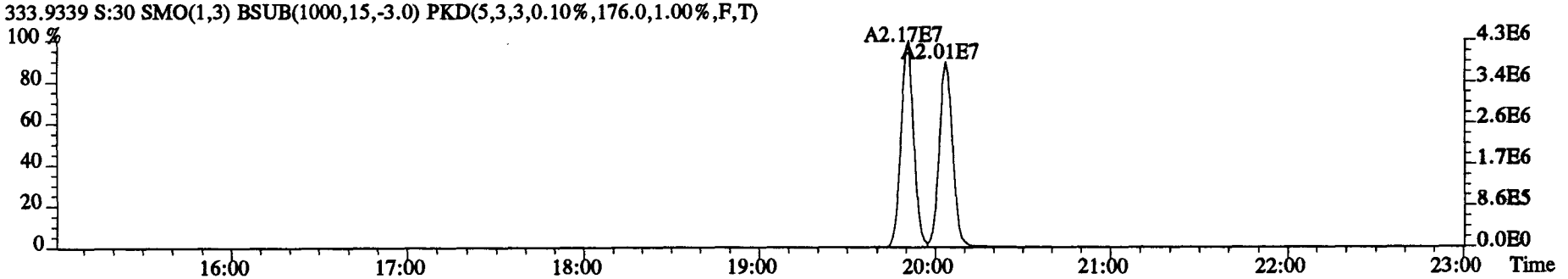


File:01SE104D5 #1-530 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES

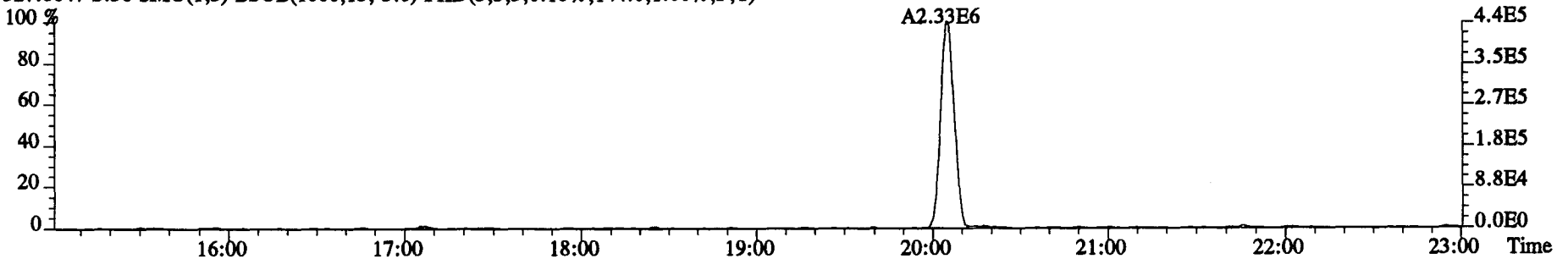




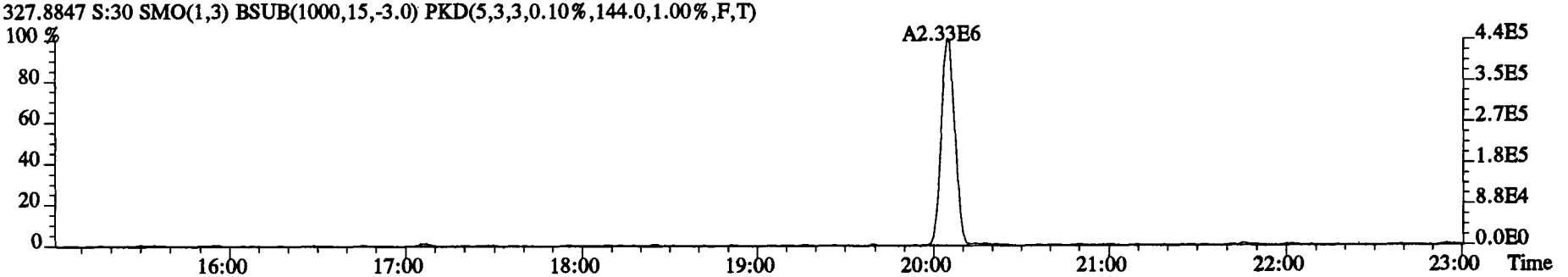




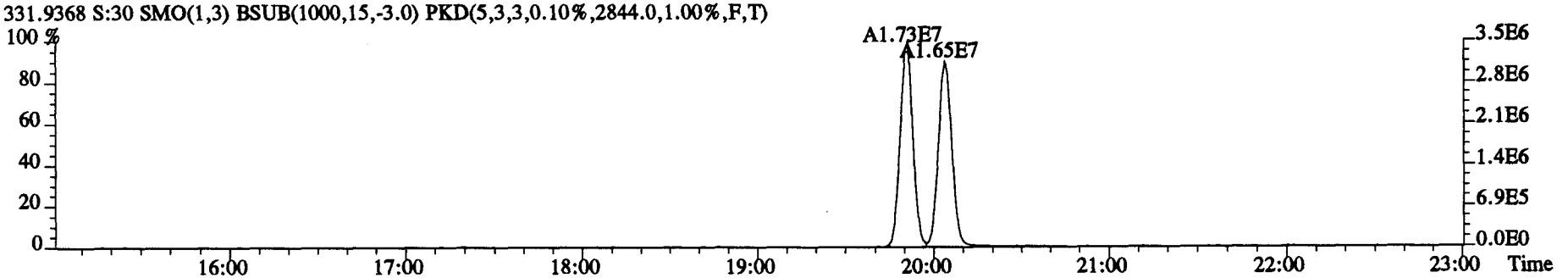
File:01SE104D5 #1-530 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



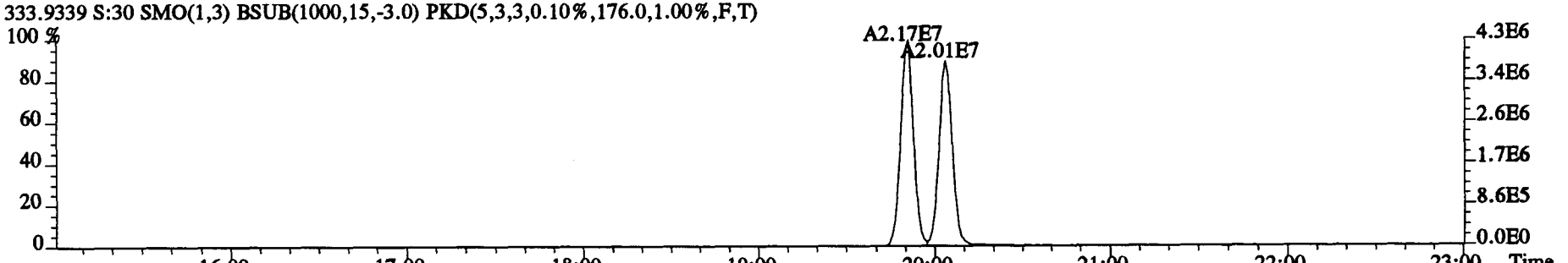
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,144.0,1.00%,F,T)



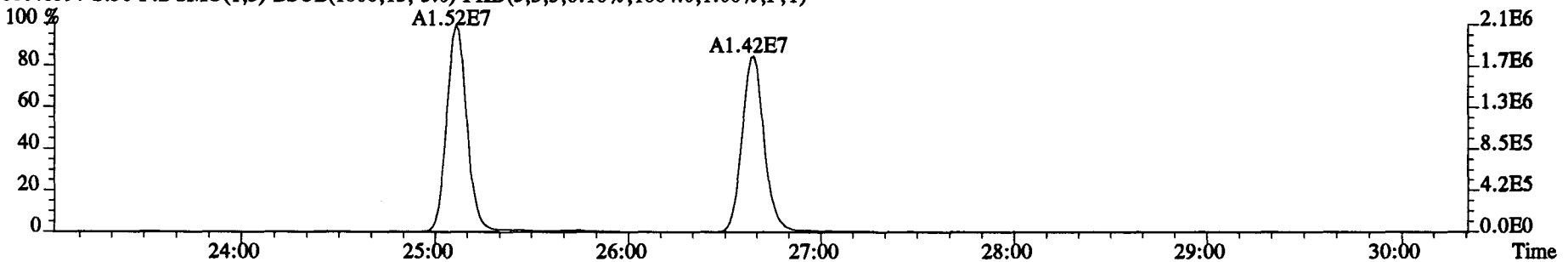
331.9368 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2844.0,1.00%,F,T)



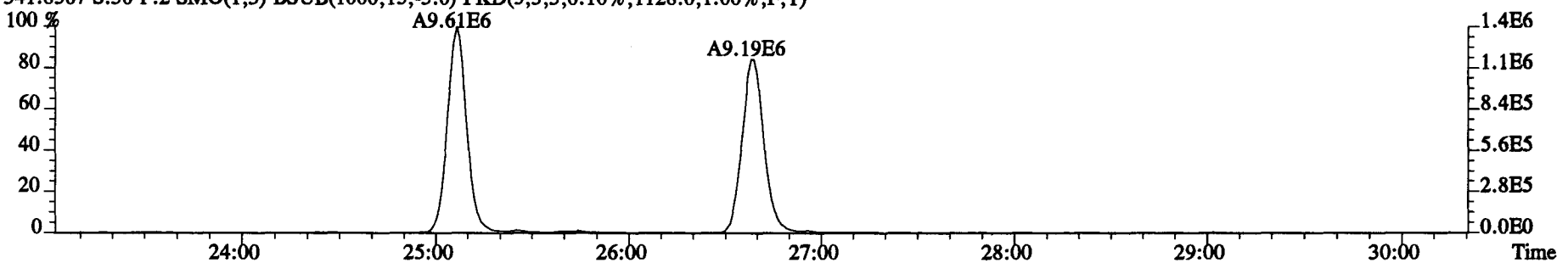
333.9339 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)



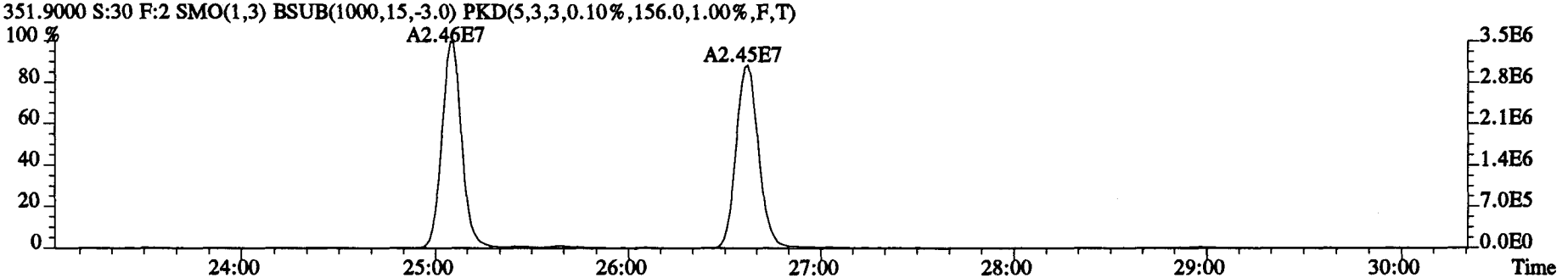
File:01SE104D5 #1-470 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1004.0,1.00%,F,T)



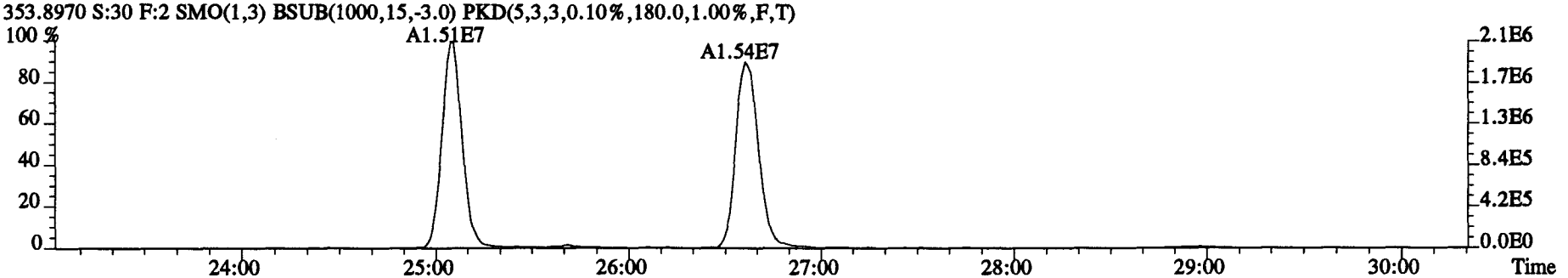
341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



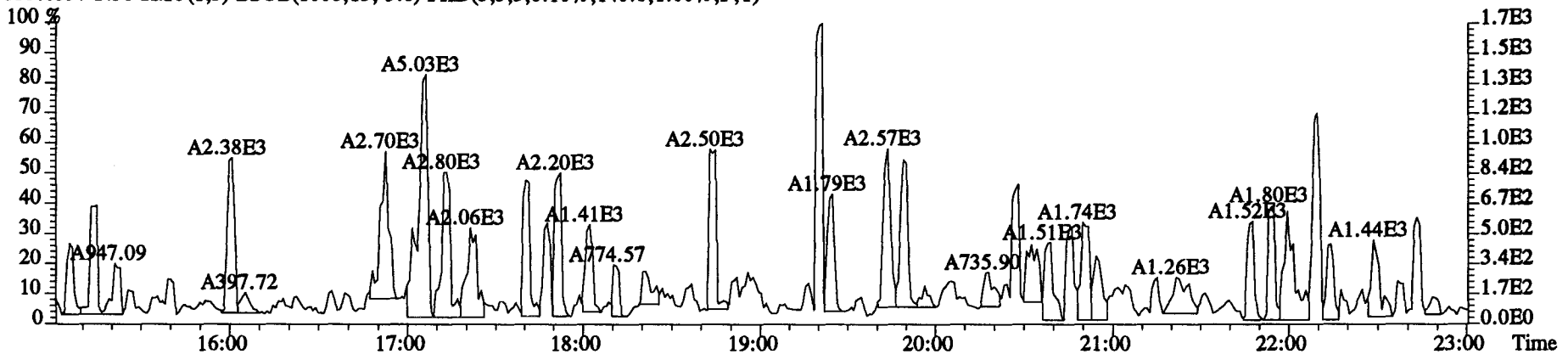
351.9000 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156.0,1.00%,F,T)



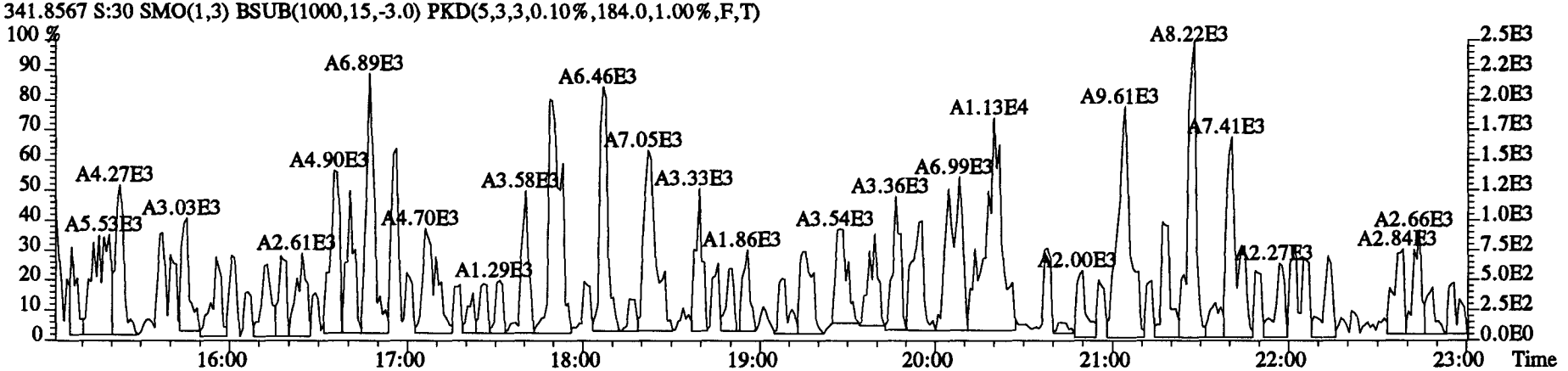
353.8970 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,180.0,1.00%,F,T)



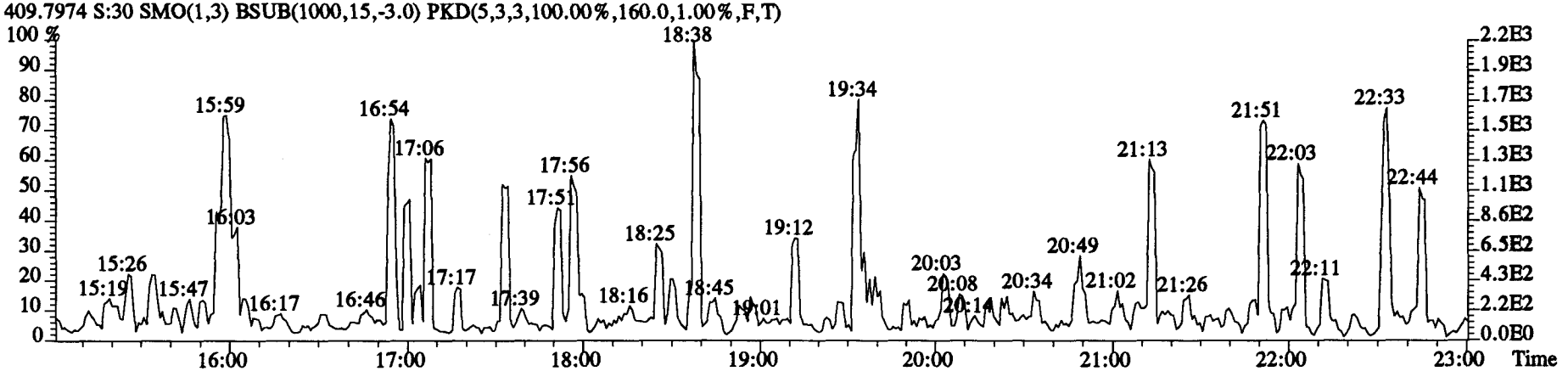
File:01SE104D5 #1-530 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



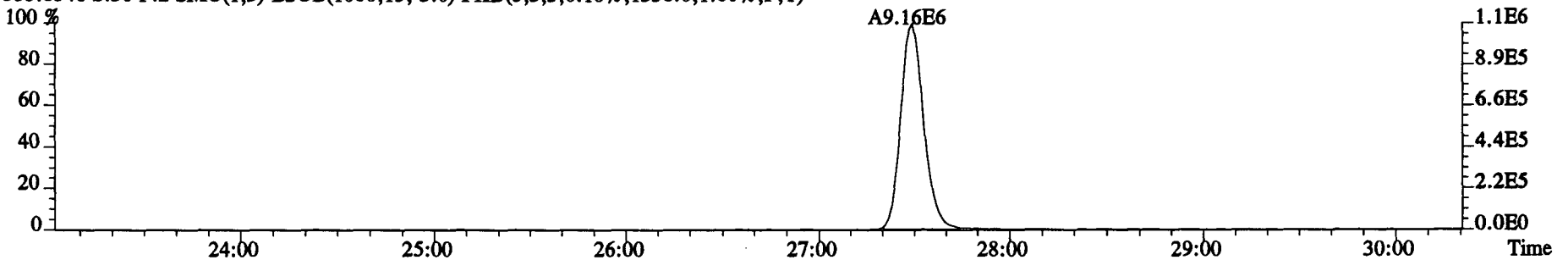
341.8567 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,184.0,1.00%,F,T)



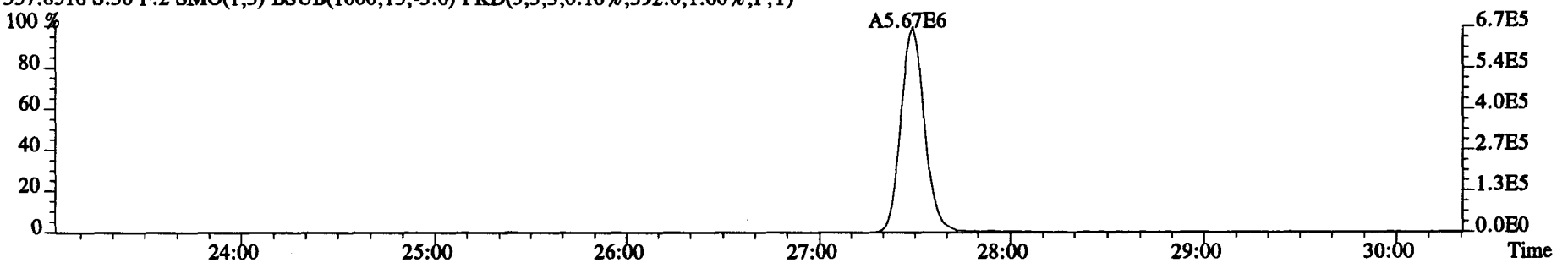
409.7974 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,160.0,1.00%,F,T)



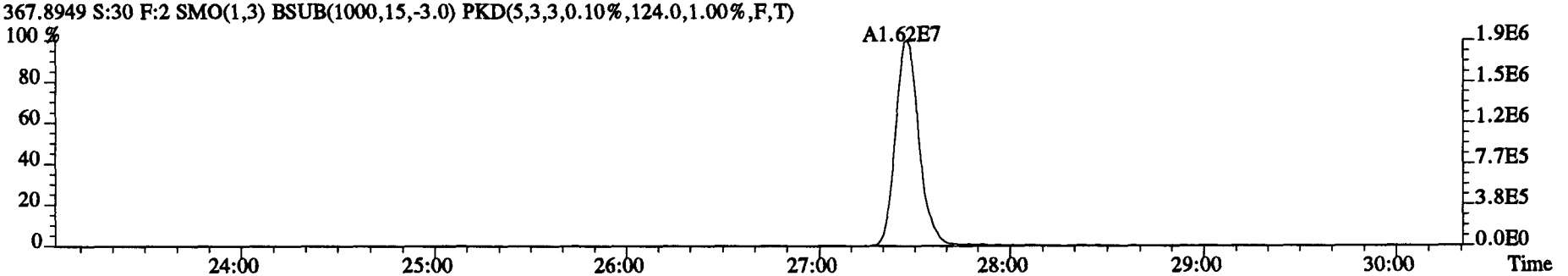
File:01SE104D5 #1-470 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
355.8546 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)



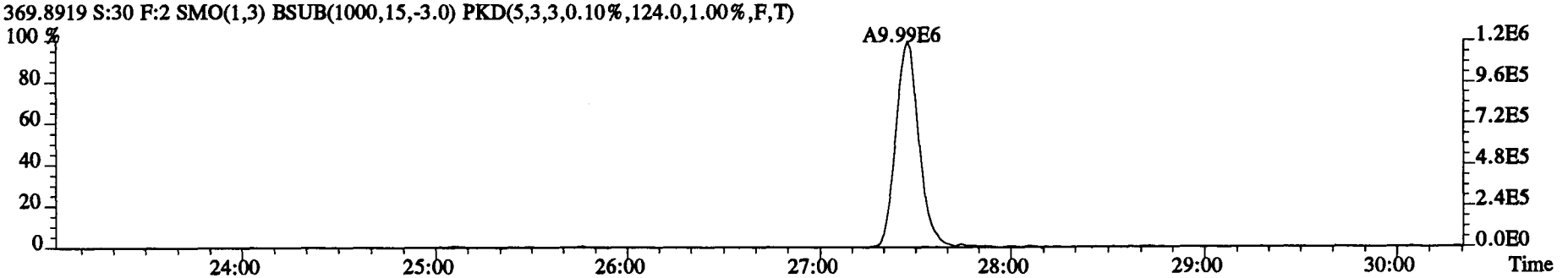
357.8516 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,392.0,1.00%,F,T)



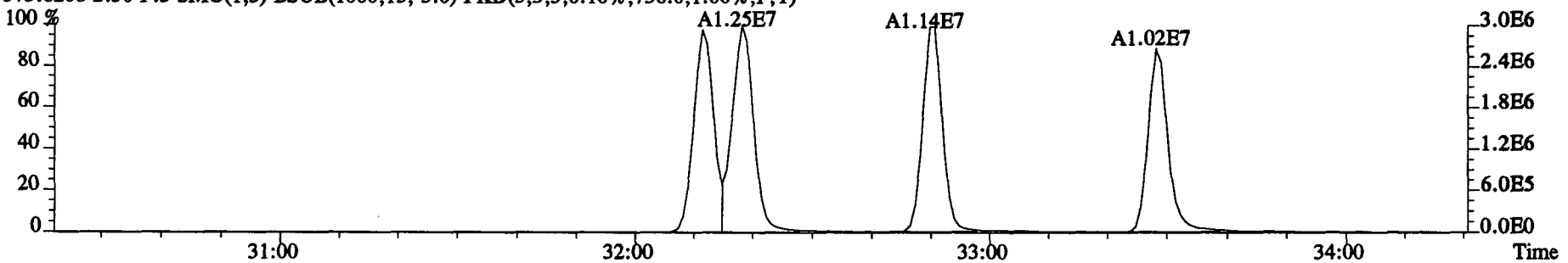
367.8949 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)



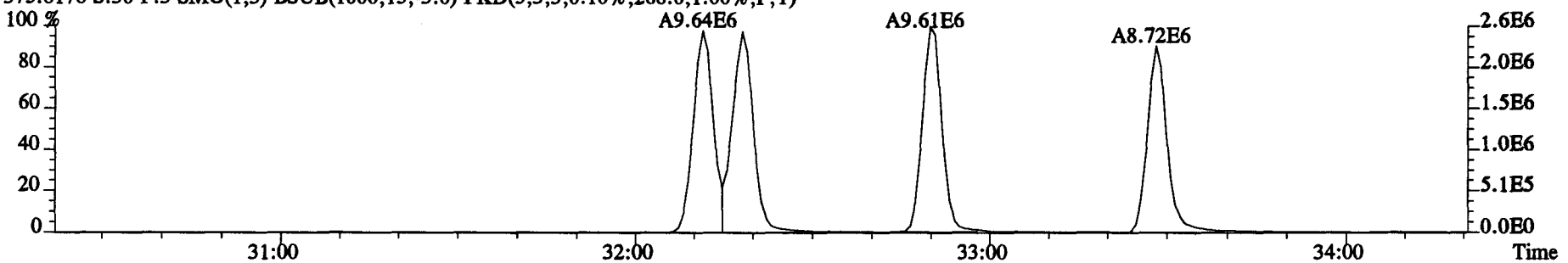
369.8919 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,124.0,1.00%,F,T)



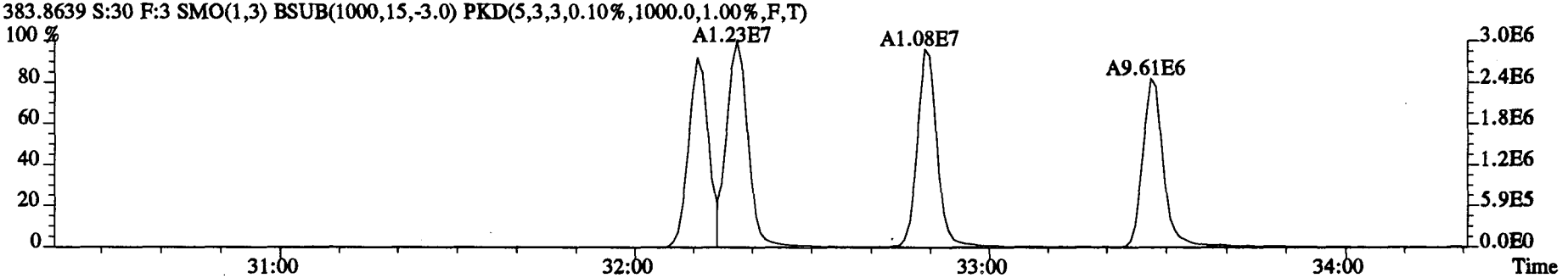
File:01SE104D5 #1-287 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
373.8208 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,736.0,1.00%,F,T)



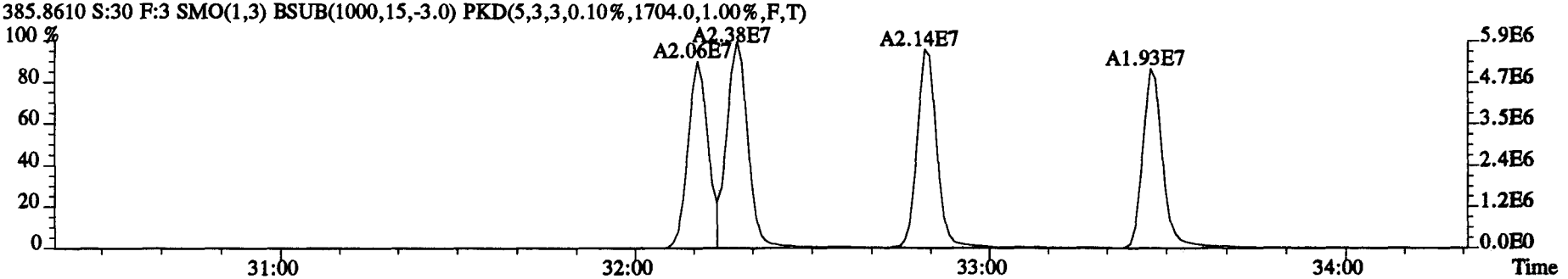
375.8178 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,268.0,1.00%,F,T)



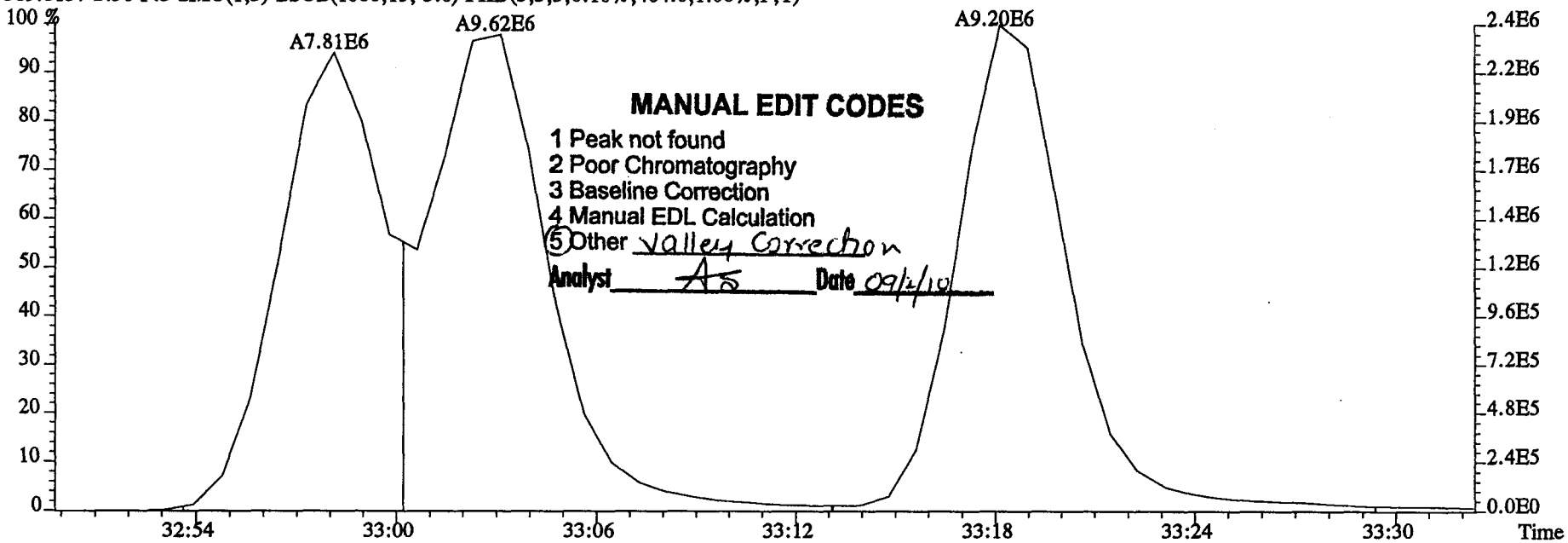
383.8639 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1000.0,1.00%,F,T)



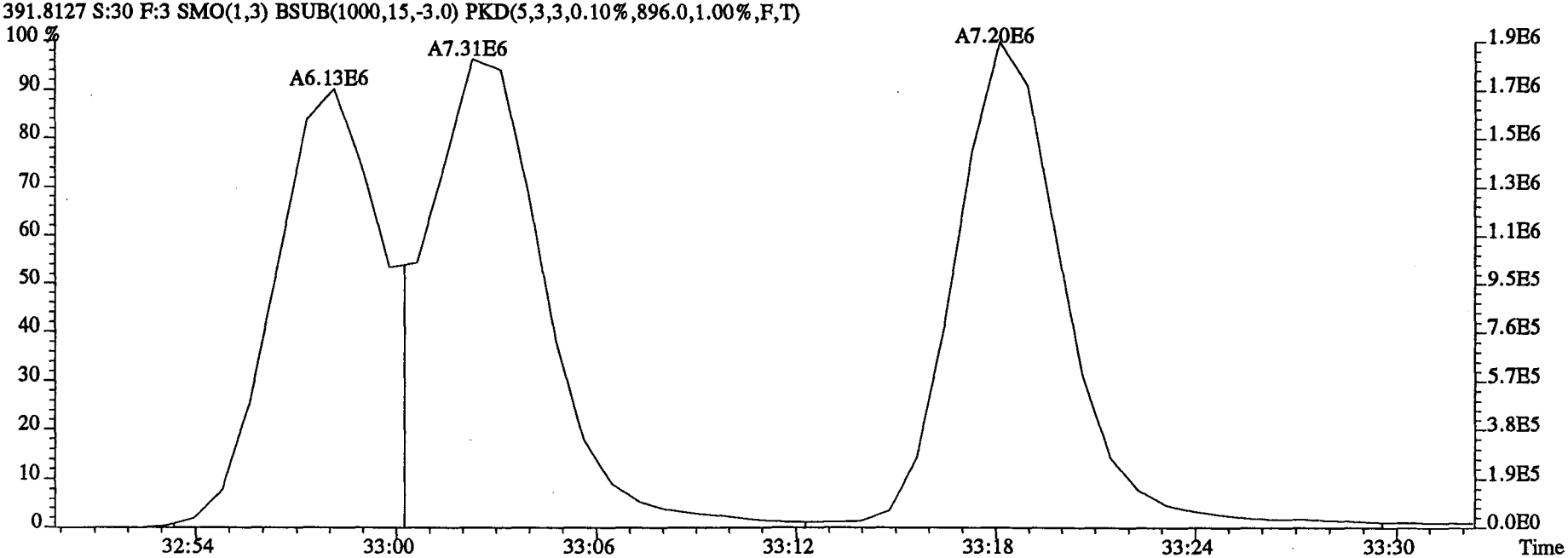
385.8610 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1704.0,1.00%,F,T)



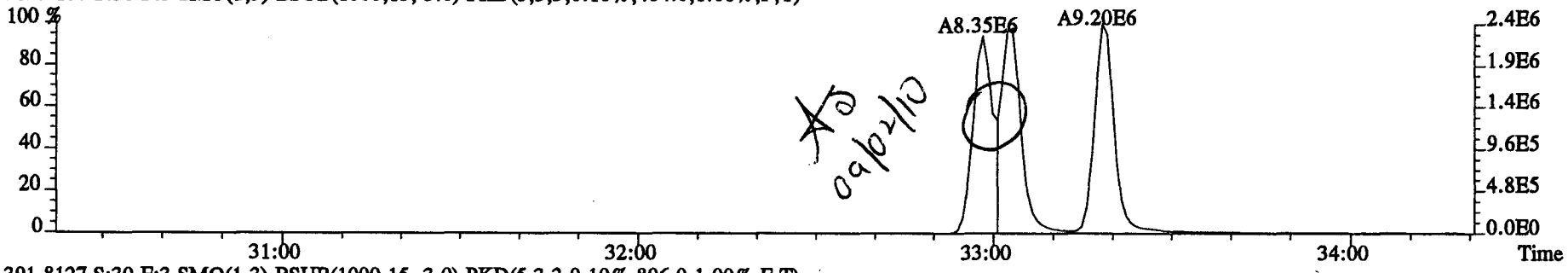
File:01SE104D5 #1-287 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
389.8157 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,404.0,1.00%,F,T)



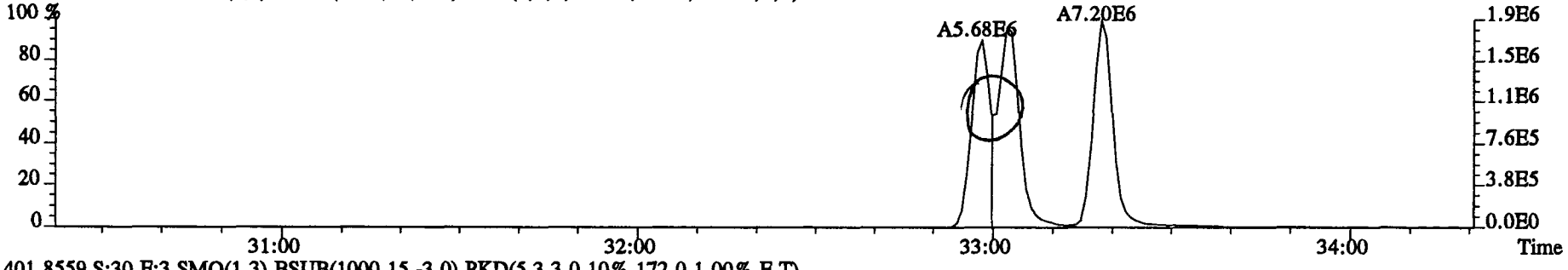
391.8127 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,896.0,1.00%,F,T)



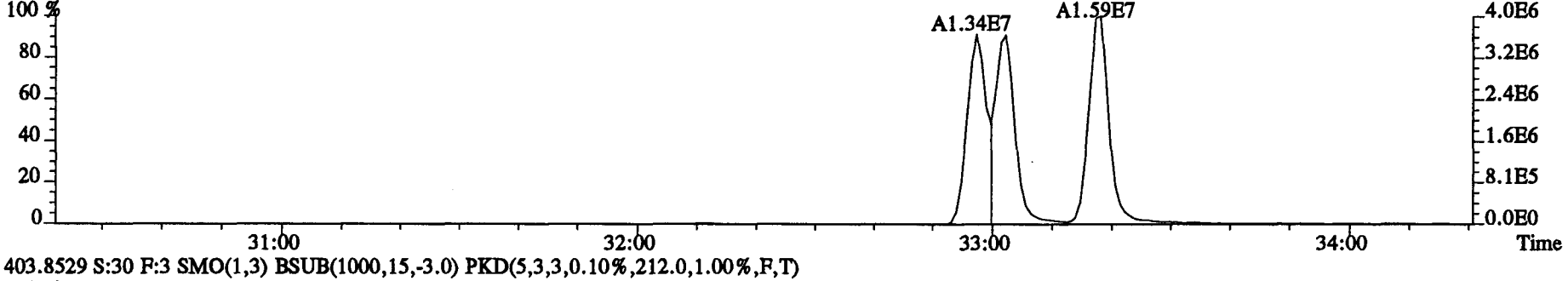
File:01SE104D5 #1-287 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
389.8157 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,404.0,1.00%,F,T)



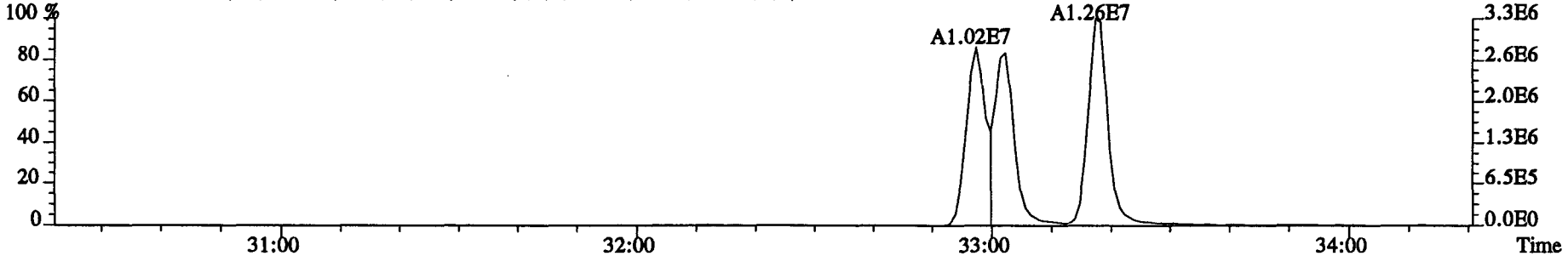
391.8127 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,896.0,1.00%,F,T)



401.8559 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172.0,1.00%,F,T)

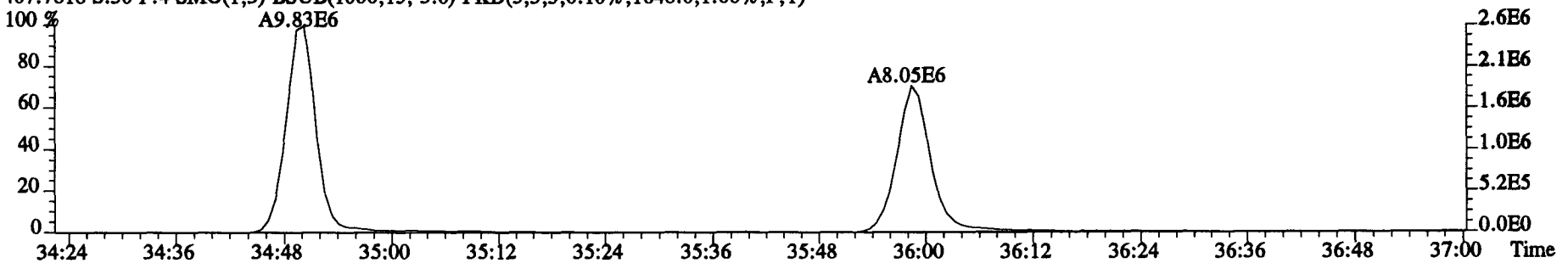


403.8529 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,212.0,1.00%,F,T)

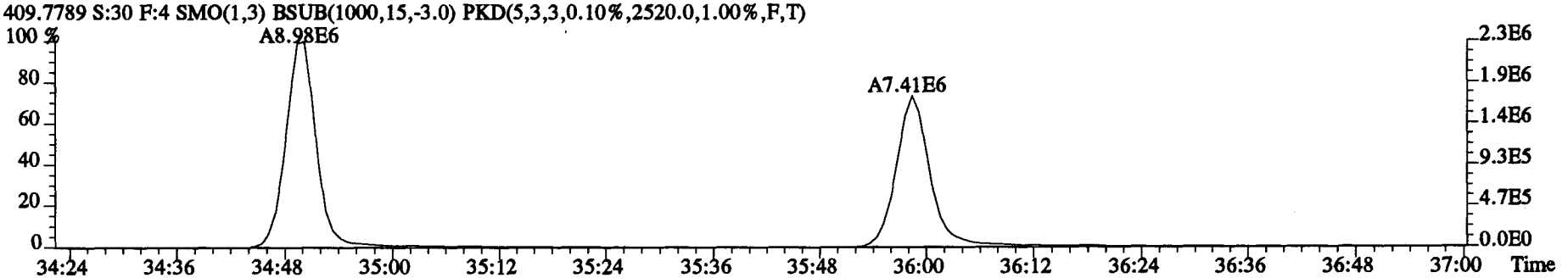


A5 09/02/10

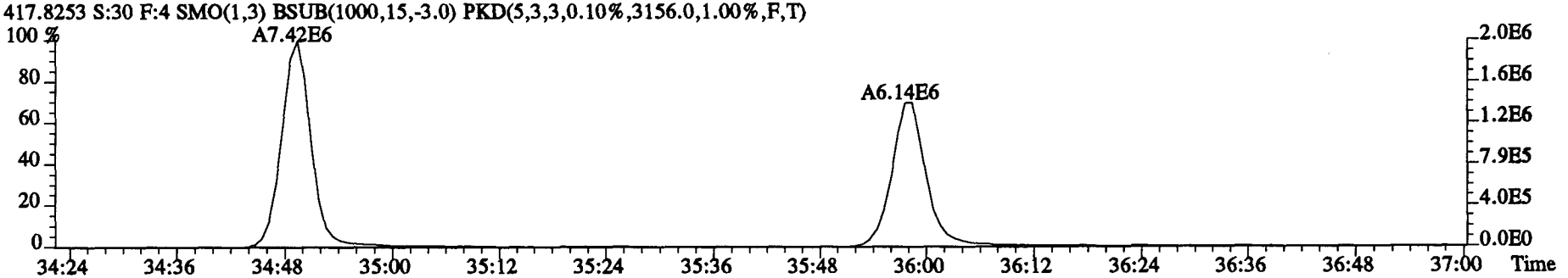
File:01SE104D5 #1-200 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
407.7818 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1648.0,1.00%,F,T)



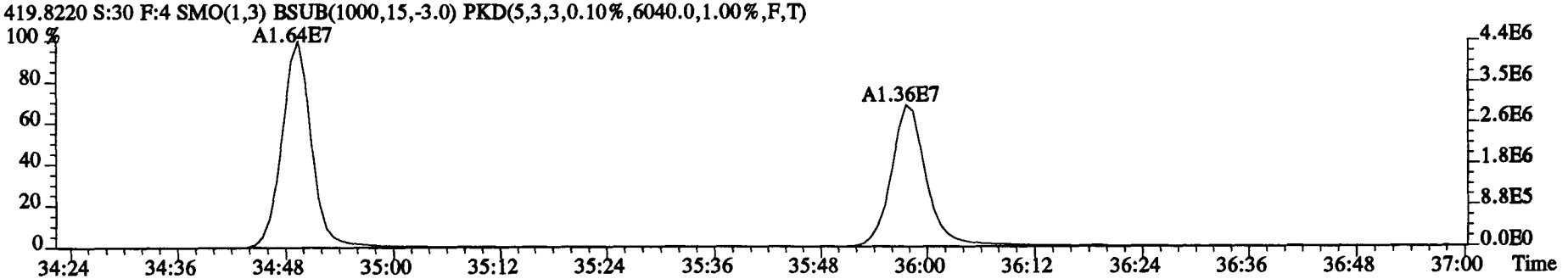
409.7789 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2520.0,1.00%,F,T)



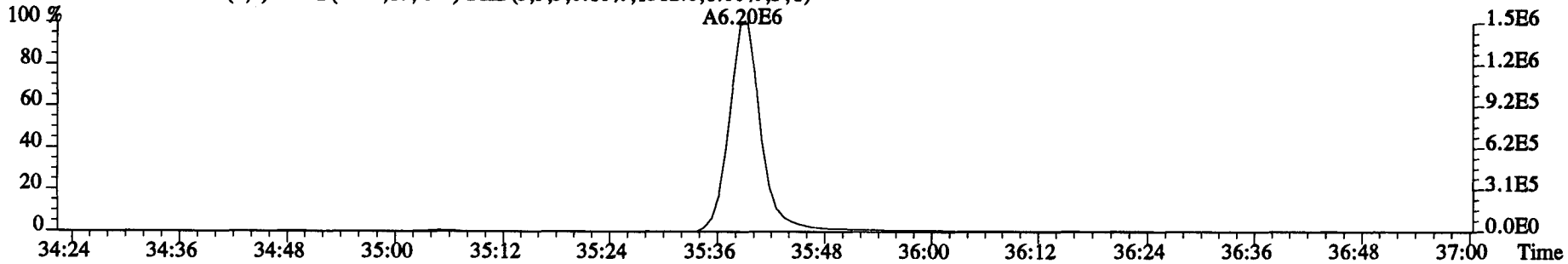
417.8253 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3156.0,1.00%,F,T)



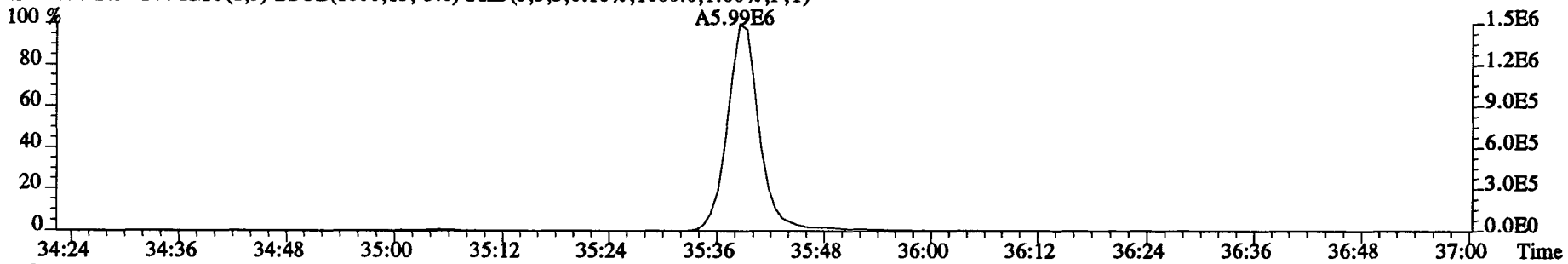
419.8220 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6040.0,1.00%,F,T)



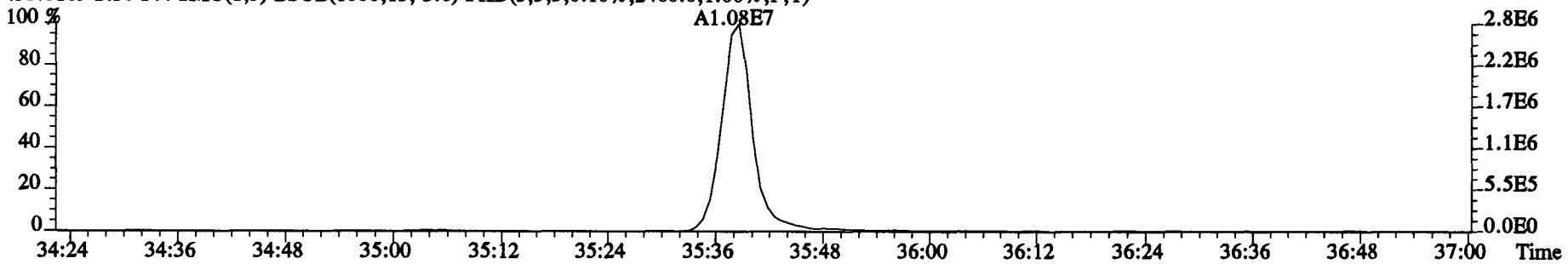
File:01SE104D5 #1-200 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
423.7766 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1512.0,1.00%,F,T)



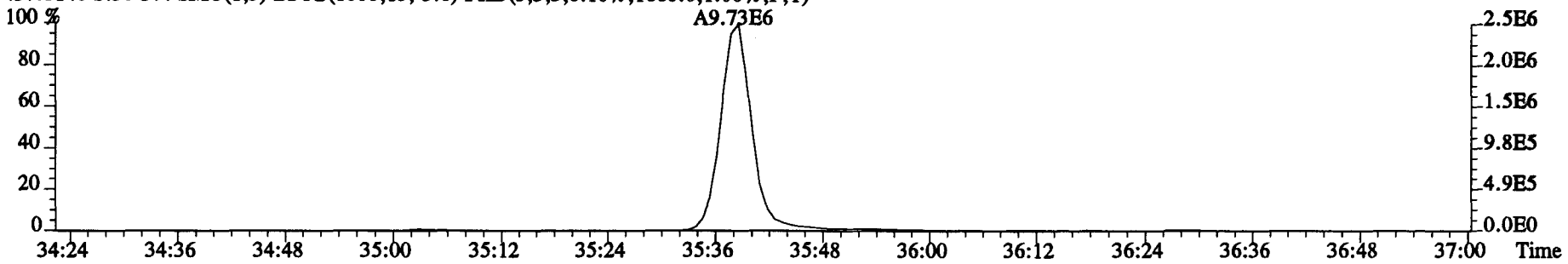
425.7737 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1000.0,1.00%,F,T)



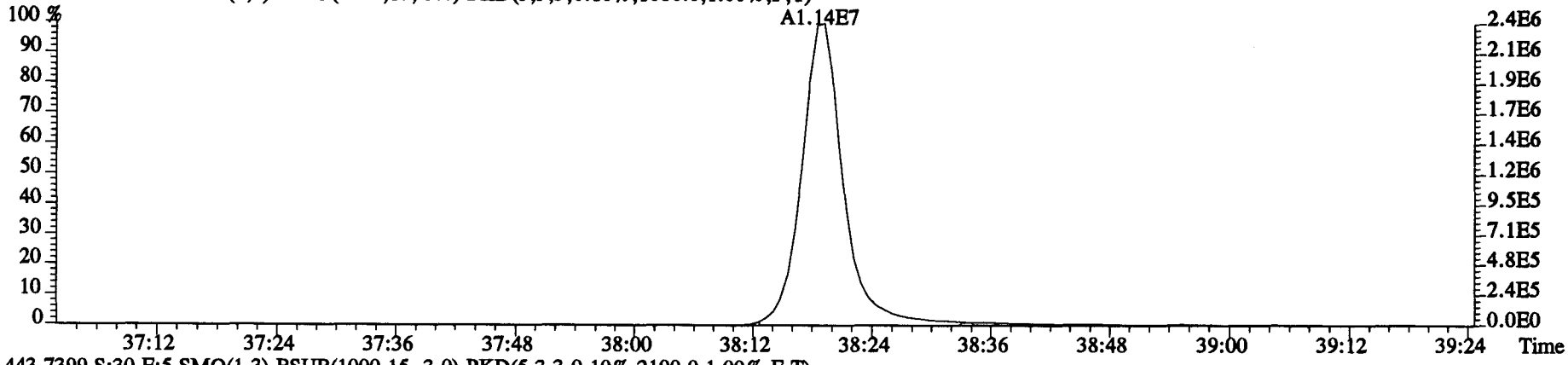
435.8169 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2460.0,1.00%,F,T)



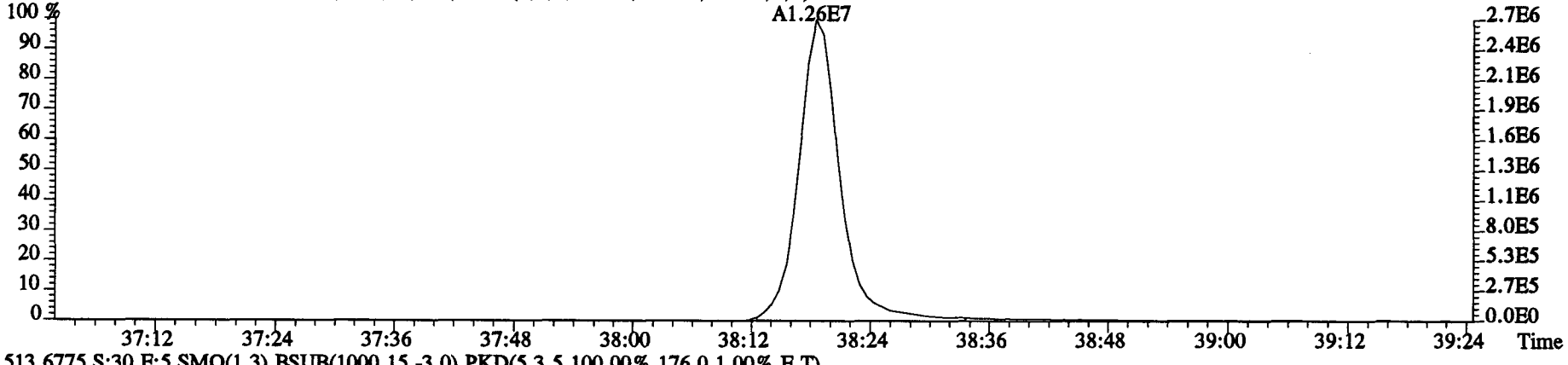
437.8140 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)



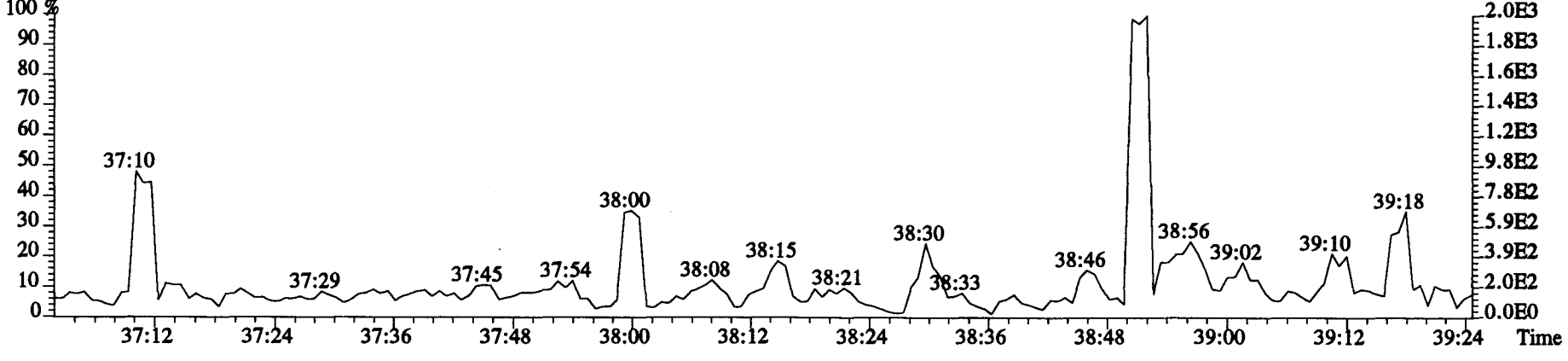
File:01SE104D5 #1-193 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1080.0,1.00%,F,T)



443.7399 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2100.0,1.00%,F,T)

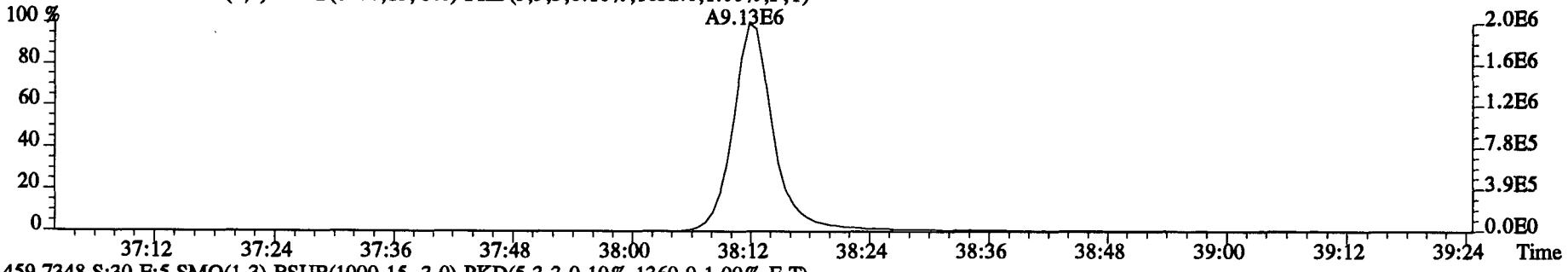


513.6775 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,176.0,1.00%,F,T)

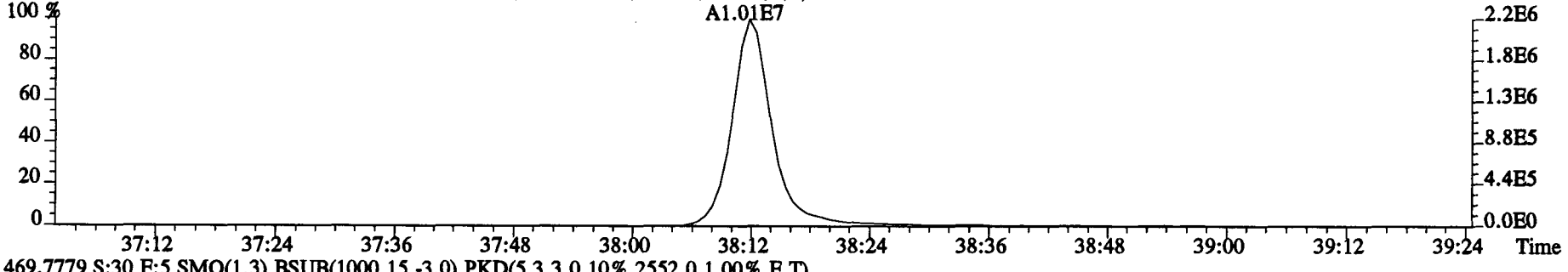


File:01SE104D5 #1-193 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES

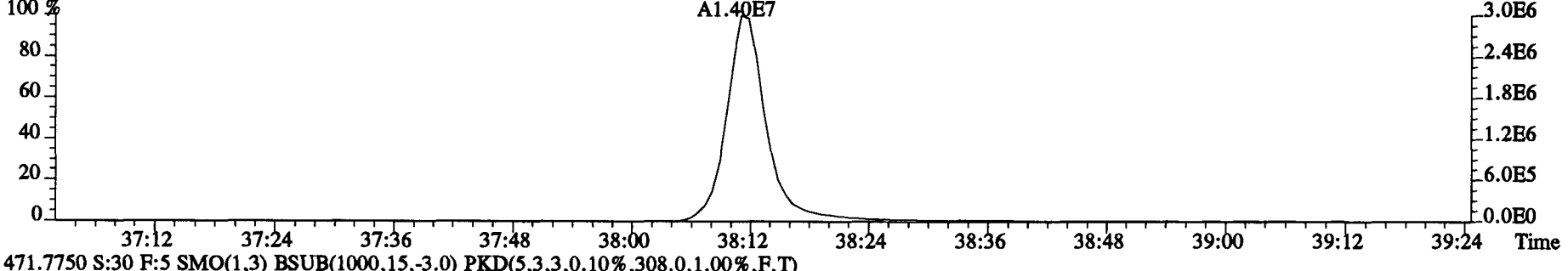
457.7377 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1632.0,1.00%,F,T)



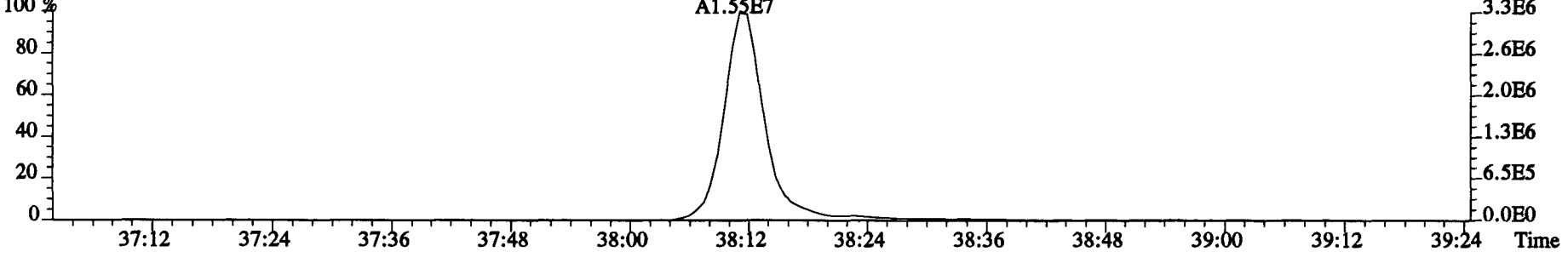
459.7348 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1360.0,1.00%,F,T)



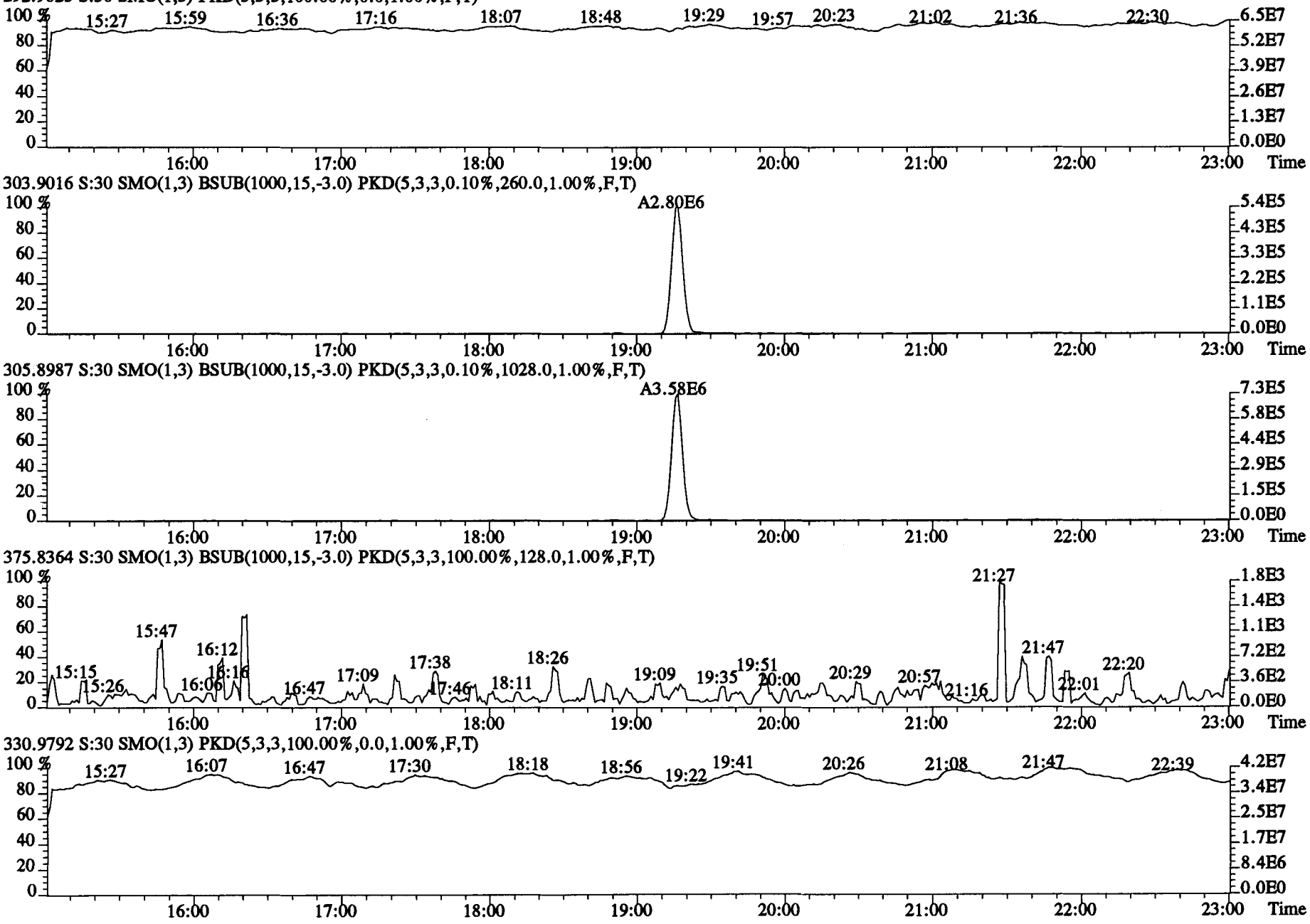
469.7779 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2552.0,1.00%,F,T)



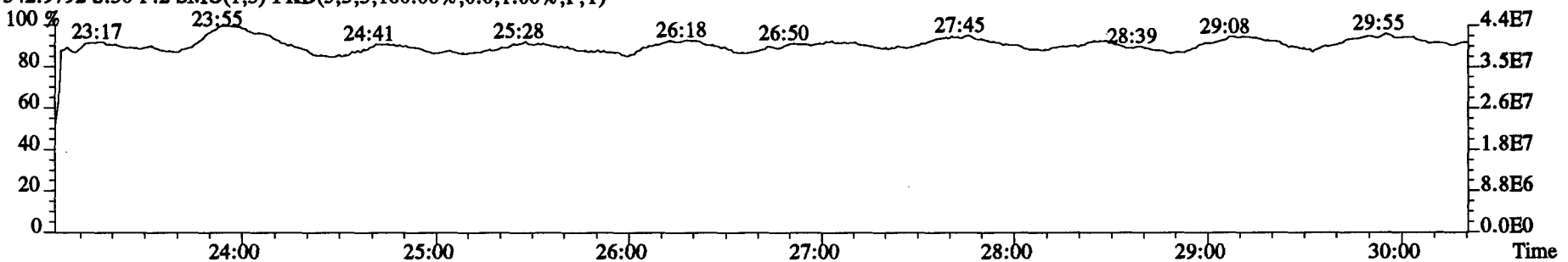
471.7750 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,308.0,1.00%,F,T)



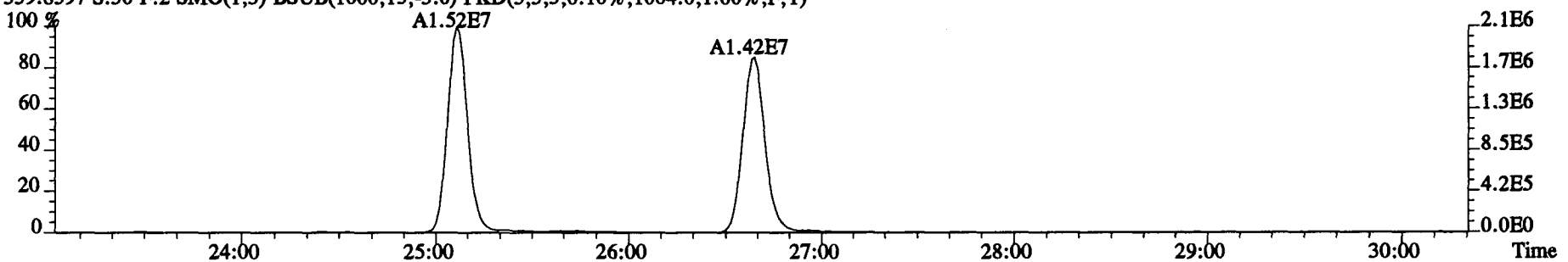
File:01SE104D5 #1-530 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES



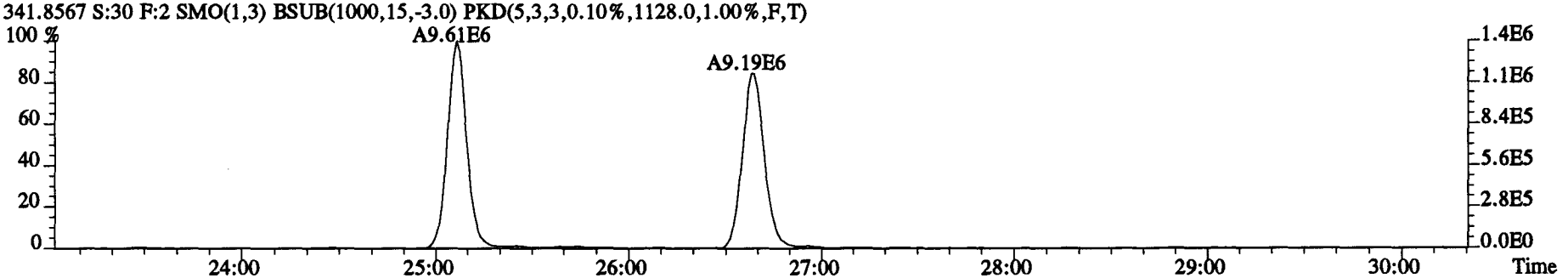
File:01SE104D5 #1-470 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
342.9792 S:30 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



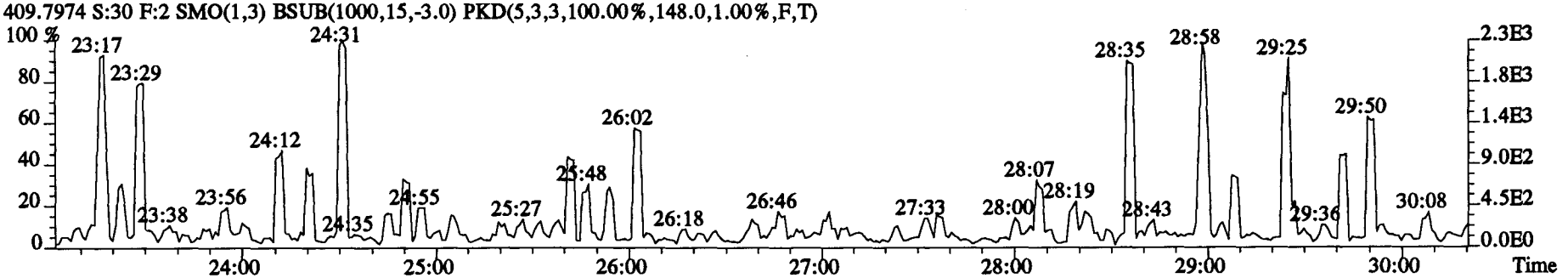
339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1004.0,1.00%,F,T)



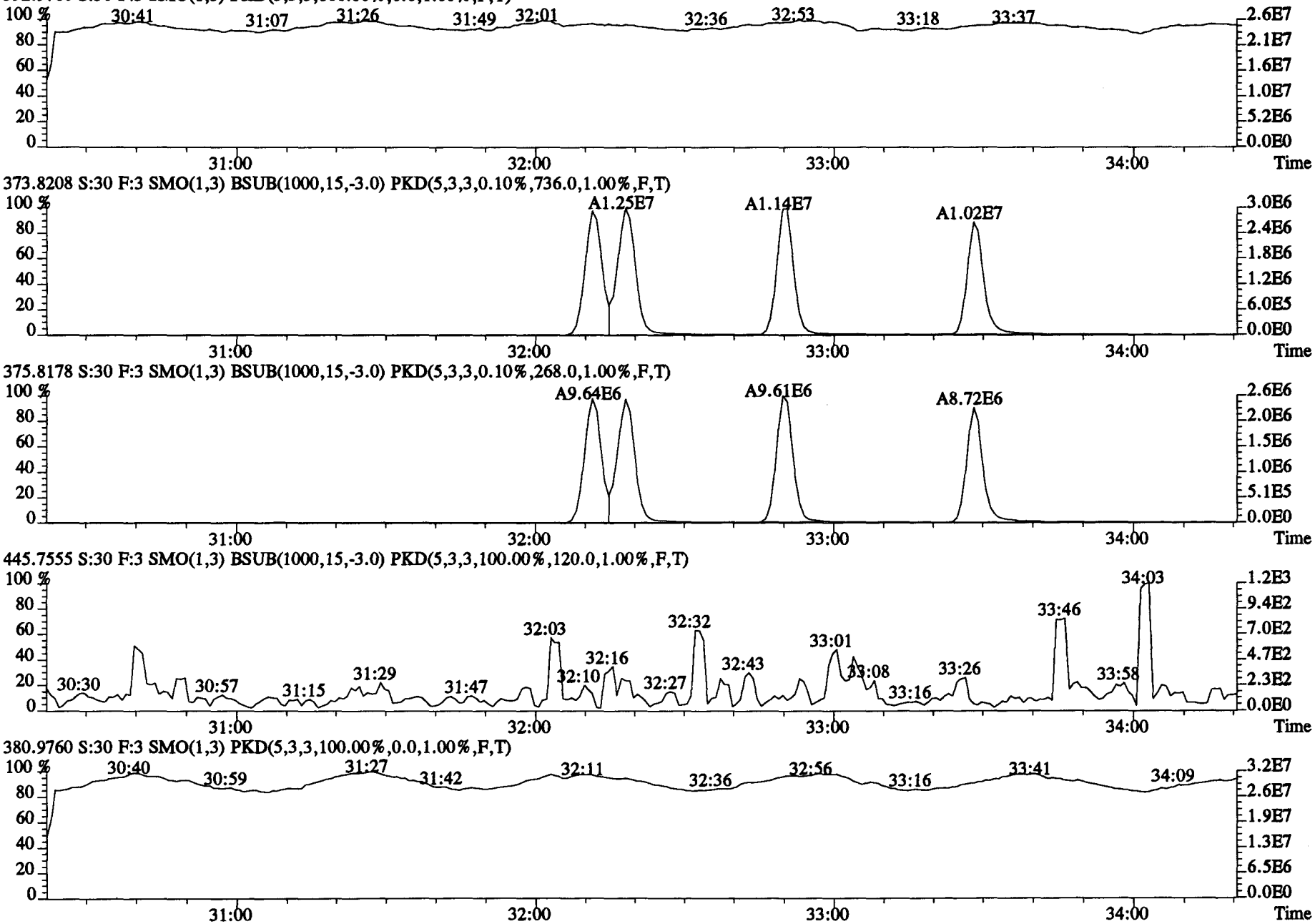
341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



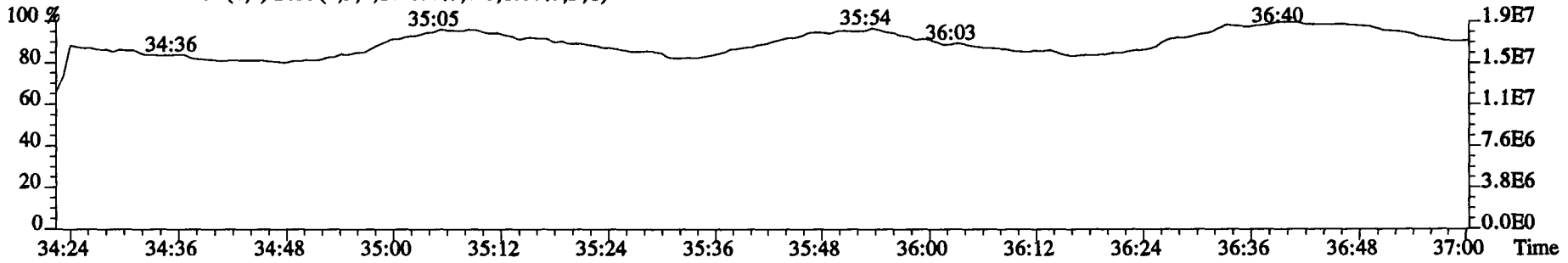
409.7974 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,148.0,1.00%,F,T)

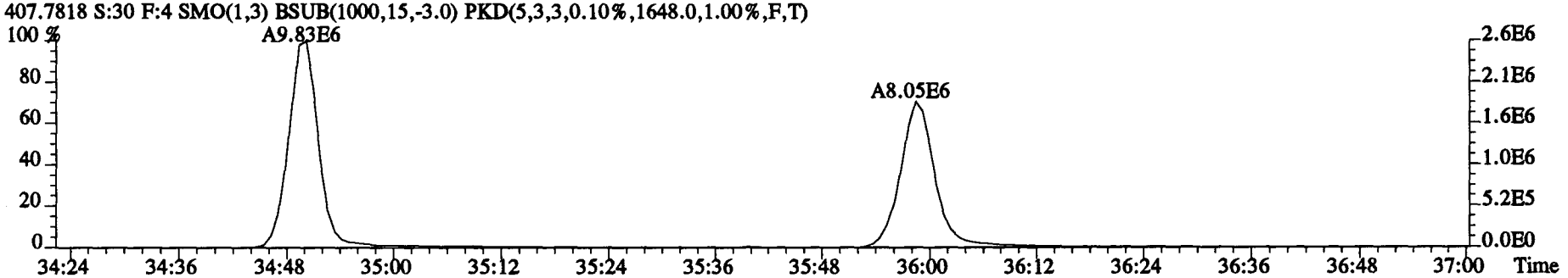


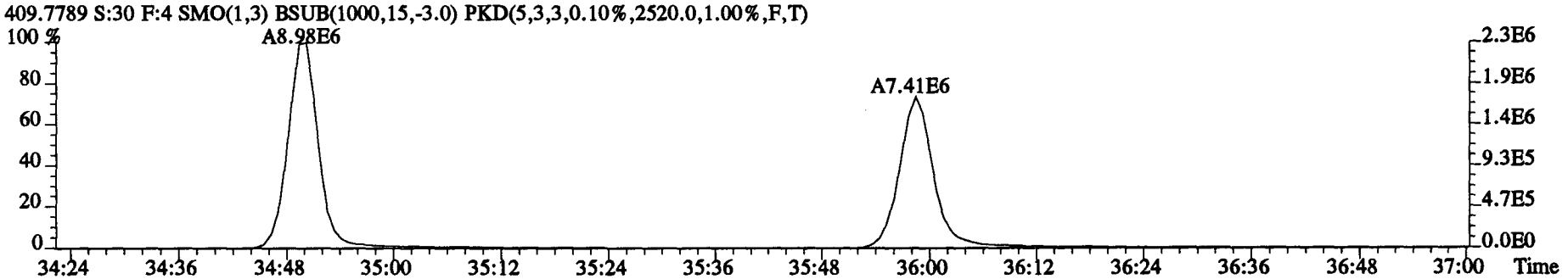
File:01SE104D5 #1-287 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES

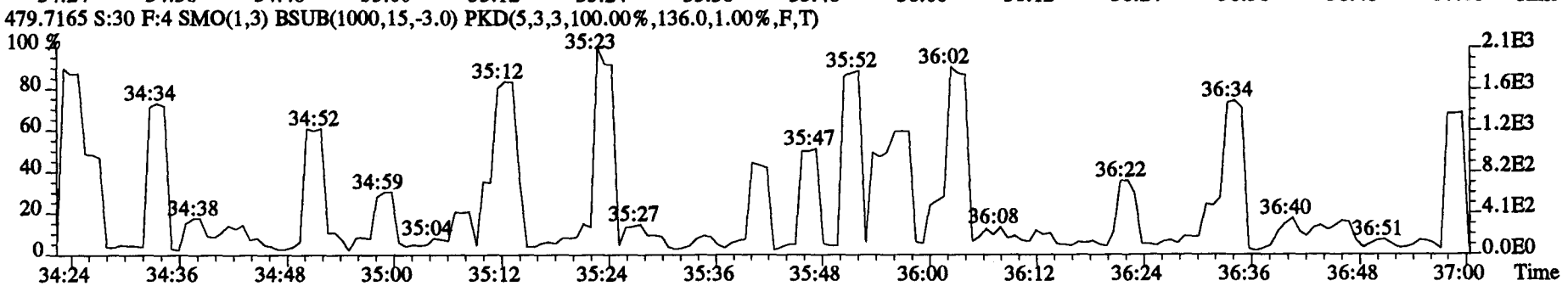


File:01SE104D5 #1-200 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES

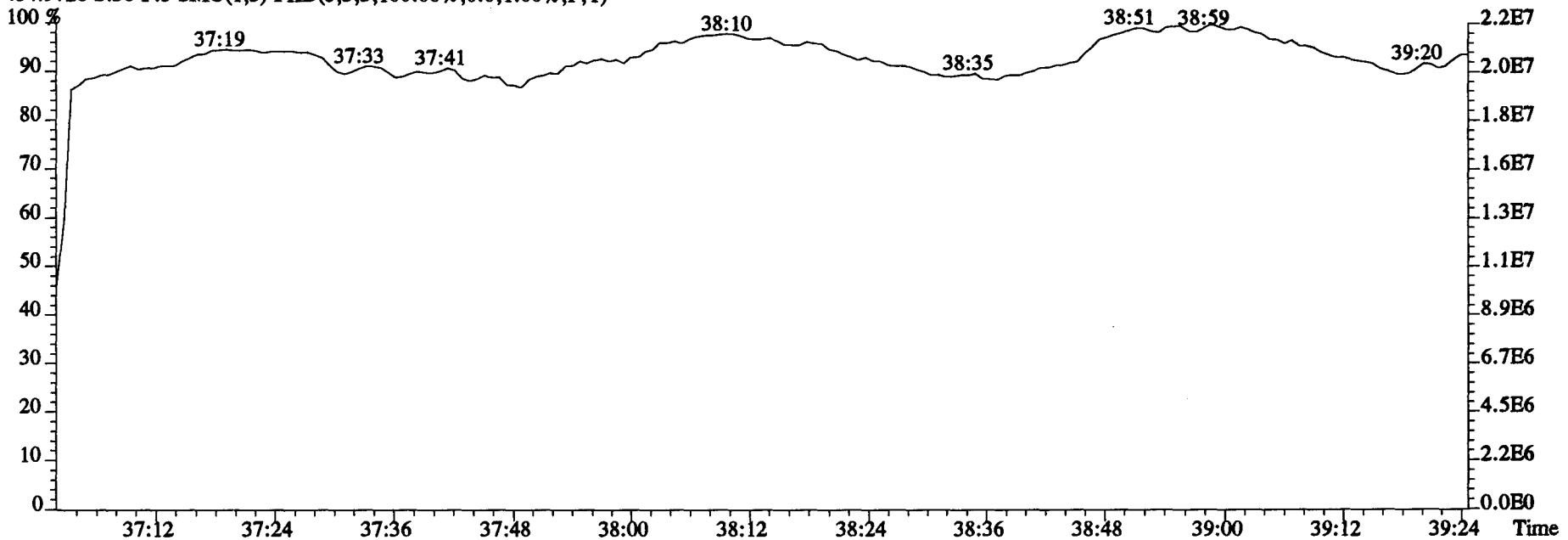




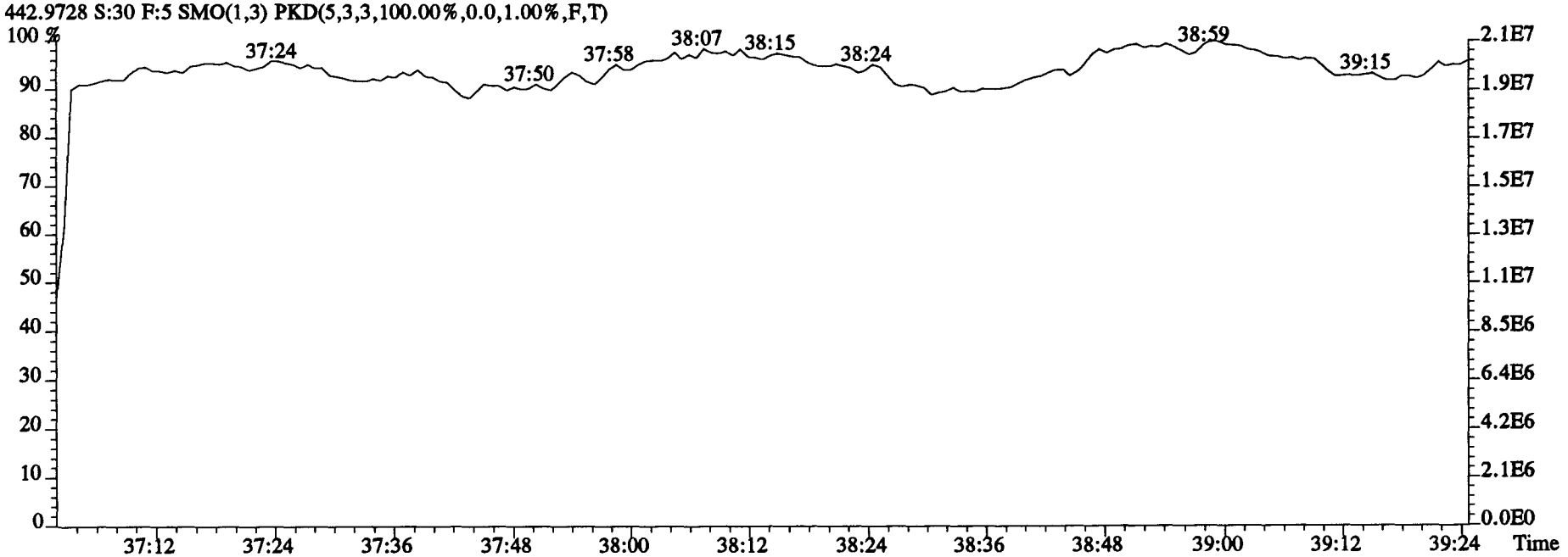




File:01SE104D5 #1-193 Acq: 2-SEP-2010 07:36:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:ST0901B :CS3 10DXN417 Exp:DIOXINRES
454.9728 S:30 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:30 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
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Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID T09 **Associated ICAL** T09 072110 4D5

Column ID DB5 **Instrument ID** 4D5

STD ID ST0830C, ST0830D **STD Solution** 10DXN336, 10DXN417

Analyzed by AS **Date Analyzed** 08-31-10, 09-01-10

Std. Pkg. By AS **Date Std. Pkg. Assembled** 09-01-10

Std. Pkg. Reviewed By NK **Date Std. Pkg. Reviewed** 09-01-10

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	✓ (1)	✓ (1)
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS:

(1) see NCM # 07-0111815

* **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: ST0830C File text: ST0830C :CS3 10DXN336
Run #9 Filename 30AU104D5 S: 44 I: 1
Acquired: 31-AUG-10 17:41:23 Processed: 31-AUG-10 22:04:41
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D5TO9

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	35513100	0.81	y	19:50	-	100.00	-	n
13C-2,3,7,8-TCDF	47988200	0.77	y	19:15	1.35	100.00	9.9	n
2,3,7,8-TCDF	4641520	0.73	y	19:17	0.97	10.00	-2.7	n
Total TCDF	4676297	0.77	y	18:52	0.97	10.00	-2.7	n
13C-2,3,7,8-TCDD	33653200	0.81	y	20:04	0.95	100.00	4.7	n
2,3,7,8-TCDD	3326770	0.76	y	20:05	0.99	10.00	0.5	n
Total TCDD	3326770	0.76	y	20:05	0.99	10.00	0.5	n
37Cl-2,3,7,8-TCDD	4301120	1.00	y	20:05	1.28	10.00	-3.6	n
13C-1,2,3,7,8-PeCDF	34825500	1.66	y	25:06	0.98	100.00	11.9	n
1,2,3,7,8-PeCDF	18711860	1.62	y	25:08	1.07	50.00	-0.2	n
2,3,4,7,8-PeCDF	17464150	1.57	y	26:40	1.00	50.00	-4.1	n
Total F2 PeCDF	36618249	1.62	y	25:08	1.04	100.00	-2.1	n
Total F1 PeCDF	31235	1.13	n	22:12	1.04	100.00	-2.1	n
13C-1,2,3,7,8-PeCDD	22631400	1.59	y	27:29	0.64	100.00	-3.6	n
1,2,3,7,8-PeCDD	11323200	1.64	y	27:31	1.00	50.00	8.1	n
Total PeCDD	11354066	1.64	y	27:31	1.00	50.00	8.1	n
13C-1,2,3,7,8,9-HxCDD	22397980	1.26	y	33:18	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	24767170	0.52	y	32:11	1.11	100.00	5.8	n
1,2,3,4,7,8-HxCDF	15167500	1.15	y	32:12	1.22	50.00	0.6	n
1,2,3,6,7,8-HxCDF	15765250	1.15	y	32:18	1.27	50.00	-0.7	n
2,3,4,6,7,8-HxCDF	14536770	1.17	y	32:50	1.17	50.00	-4.8	n
1,2,3,7,8,9-HxCDF	12856220	1.16	y	33:28	1.04	50.00	-5.5	n
Total HxCDF	58325740	1.15	y	32:12	1.18	200.00	-2.5	n
13C-1,2,3,6,7,8-HxCDD	21350630	1.28	y	33:02	0.95	100.00	14.7	n
1,2,3,4,7,8-HxCDD	10054390	1.25	y	32:58	0.94	50.00	-9.2	n
1,2,3,6,7,8-HxCDD	11316670	1.29	y	33:03	1.06	50.00	-8.8	n
1,2,3,7,8,9-HxCDD	11288680	1.29	y	33:18	1.06	50.00	-10.5	n
Total HxCDD	32679755	1.25	y	32:58	1.02	150.00	-9.5	n
13C-1,2,3,4,6,7,8-HpCDF	19899310	0.45	y	34:49	0.89	100.00	-2.4	n
1,2,3,4,6,7,8-HpCDF	13622750	1.08	y	34:50	1.37	50.00	1.7	n
1,2,3,4,7,8,9-HpCDF	11481850	1.11	y	35:59	1.15	50.00	5.5	n
Total HpCDF	25104600	1.08	y	34:50	1.26	100.00	3.4	n
13C-1,2,3,4,6,7,8-HpCDD	17607790	1.13	y	35:38	0.79	100.00	-4.9	n
1,2,3,4,6,7,8-HpCDD	9355810	1.04	y	35:39	1.06	50.00	-0.8	n
Total HpCDD	9497848	1.17	y	35:06	1.06	50.00	-0.8	n
13C-OCDD	24428600	0.94	y	38:12	0.55	200.00	-12.0	n
OCDF	16742810	0.92	y	38:19	1.37	100.00	0.0	n
OCDD	13986190	0.87	y	38:13	1.15	100.00	-4.5	n

Run text: ST0830D File text: ST0830D :CS3 10DXN417
Run #13 Filename 30AU104D5 S: 58 I: 1
Acquired: 1-SEP-10 04:05:46 Processed: 1-SEP-10 10:53:32
Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5 Results: 30AU104D5TO9

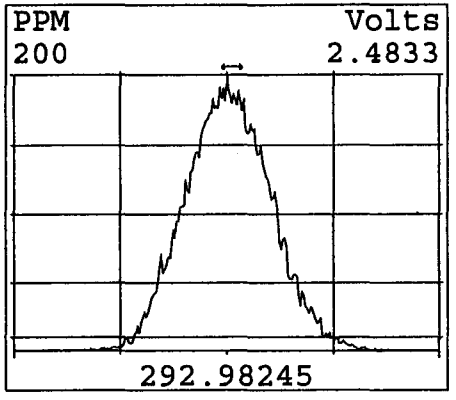
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	54121182	0.82 y	19:51	-	100.00	-	n
13C-2,3,7,8-TCDF	74564694	0.78 y	19:16	1.38	100.00	12.1	n
2,3,7,8-TCDF	7655511	0.77 y	19:17	1.03	10.00	3.2	n
Total TCDF	7727594	0.48 n	18:15	1.03	10.00	3.2	n
13C-2,3,7,8-TCDD	50068564	0.79 y	20:04	0.93	100.00	2.2	n
2,3,7,8-TCDD	5158006	0.77 y	20:05	1.03	10.00	4.8	n
Total TCDD	5222814	0.49 n	18:14	1.03	10.00	4.8	n
37Cl-2,3,7,8-TCDD	5858054	1.00 y	20:05	1.17	10.00	-11.8	n
13C-1,2,3,7,8-PeCDF	50532458	1.58 y	25:05	0.93	100.00	6.6	n
1,2,3,7,8-PeCDF	29194144	1.57 y	25:07	1.16	50.00	7.3	n
2,3,4,7,8-PeCDF	27258007	1.57 y	26:39	1.08	50.00	3.2	n
Total F2 PeCDF	57222678	1.04 n	23:34	1.12	100.00	5.3	n
Total F1 PeCDF	24409	0.26 n	15:26	1.12	100.00	5.3	n
13C-1,2,3,7,8-PeCDD	33560134	1.58 y	27:27	0.62	100.00	-6.2	n
1,2,3,7,8-PeCDD	17917511	1.62 y	27:29	1.07	50.00	15.4	n
Total PeCDD	17927602	1.62 y	27:29	1.07	50.00	15.4	n
13C-1,2,3,7,8,9-HxCDD	31845936	1.29 y	33:18	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	33967307	0.49 y	32:11	1.07	100.00	2.1	n
1,2,3,4,7,8-HxCDF	21700243	1.14 y	32:11	1.28	50.00	5.0	n
1,2,3,6,7,8-HxCDF	23855870	1.16 y	32:18	1.40	50.00	9.6	n
2,3,4,6,7,8-HxCDF	21790082	1.19 y	32:51	1.28	50.00	4.0	n
1,2,3,7,8,9-HxCDF	18933711	1.18 y	33:29	1.11	50.00	1.5	n
Total HxCDF	86390653	1.31 y	31:08	1.27	200.00	5.2	n
13C-1,2,3,6,7,8-HxCDD	28095572	1.25 y	33:02	0.88	100.00	6.2	n
1,2,3,4,7,8-HxCDD	15931734	1.28 y	32:58	1.13	50.00	9.3	n
1,2,3,6,7,8-HxCDD	16953401	1.31 y	33:03	1.21	50.00	3.8	n
1,2,3,7,8,9-HxCDD	17252086	1.28 y	33:19	1.23	50.00	3.9	n
Total HxCDD	50246944	1.28 y	32:58	1.19	150.00	5.5	n
13C-1,2,3,4,6,7,8-HpCDF	26144295	0.44 y	34:49	0.82	100.00	-9.8	n
1,2,3,4,6,7,8-HpCDF	19816412	1.08 y	34:50	1.52	50.00	12.6	n
1,2,3,4,7,8,9-HpCDF	16304766	1.07 y	35:58	1.25	50.00	14.1	n
Total HpCDF	36369530	1.08 y	34:50	1.38	100.00	13.3	n
13C-1,2,3,4,6,7,8-HpCDD	23028142	1.05 y	35:38	0.72	100.00	-12.5	n
1,2,3,4,6,7,8-HpCDD	12929215	1.03 y	35:39	1.12	50.00	4.8	n
Total HpCDD	13002310	0.84 n	35:05	1.12	50.00	4.8	n
13C-OCDD	31065446	0.87 y	38:12	0.49	200.00	-21.3	n
OCDF	23437906	0.92 y	38:19	1.51	100.00	10.1	n
OCDD	19519205	0.88 y	38:12	1.26	100.00	4.8	n

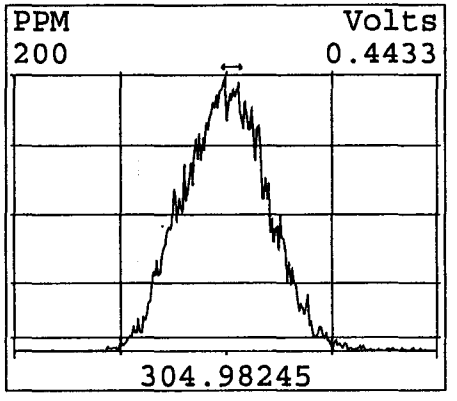
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
30AU104D5	1	CP0830	DB-5 CPSM 3732-08				1.00000	
30AU104D5	2	ST0830	CS3 10DXN336				1.00000	
30AU104D5	3	L53HP-1-AA	C0H060548-21MB	20	1613B/SOLID	13	10.00000	g
30AU104D5	4	L5GRR-1-AC	G0H120487-3	20	1613B/SOLID		10.14000	g
30AU104D5	5	L5X79-1-AC	G0H120487-1LCS	20	1613B/SOLID		10.00000	g
30AU104D5	6	L5XF0-1-AC	G0H120487-12	20	1613B/SOLID		10.18000	g
30AU104D5	7	L5XF4-1-AC	G0H120487-13	20	1613B/SOLID		10.04000	g
30AU104D5	8	L5XGH-1-AC	G0H120487-17	20	1613B/SOLID		10.44000	g
30AU104D5	9	L48LC-1-AA	C0H060548-21	20	1613B/SOLID		1.08000	g
30AU104D5	10	L48LK-1-AA	C0H060548-23	20	1613B/SOLID		1.88000	g
30AU104D5	11	L48LL-1-AA	C0H060548-24	20	1613B/SOLID		1.55000	g
30AU104D5	12	L48LN-1-AA	C0H060548-25	20	1613B/SOLID		1.71000	g
30AU104D5	13	L53HP-1-AC	C0H060548-21LCS	20	1613B/SOLID		10.00000	g
30AU104D5	14	L5WVJ-1-AC	G0H190508-1LCS	20	23/AIR	5	0.50000	SAM
30AU104D5	15	L48LP-1-AA	C0H060548-26	20	1613B/SOLID		1.35000	g
30AU104D5	16	ST0830A	CS3 10DXN336				1.00000	
30AU104D5	17	CP0830A	DB-5 CPSM 3732-08				1.00000	
30AU104D5	18	L58PT-1-AA	G0H270000-326 (561-1MB)	20	8290/SOLID	15	10.00000	g
30AU104D5	19	L48LR-1-AA	C0H060548-27	20	1613B/SOLID	13	1.29000	g
30AU104D5	20	L48LT-1-AA	C0H060548-28	20	1613B/SOLID		1.02000	g
30AU104D5	21	L48LV-1-AA	C0H060548-29	20	1613B/SOLID		1.06000	g
30AU104D5	22	L48LX-1-AA	C0H060548-30	20	1613B/SOLID		1.22000	g
30AU104D5	23	L48L0-1-AA	C0H060548-31	20	1613B/SOLID		1.36000	g
AU104D5	24	L48L1-1-AA	C0H060548-32	20	1613B/SOLID		1.30000	g
30AU104D5	25	L58J2-1-AD	G0H270561-1	20	8290/SOLID	15	10.78000	g
30AU104D5	26	L58J3-1-AD	G0H270561-2	20	8290/SOLID		10.15000	g
30AU104D5	27	L58J4-1-AD	G0H270561-3	20	8290/SOLID		10.39000	g
30AU104D5	28	L58KK-1-AD	G0H270565-1	20	8290/SOLID		10.09000	g
30AU104D5	29	L58PT-1-AC	G0H270000-326 (561-1LCS)	20	8290/SOLID		10.00000	g
30AU104D5	30	ST0830B	CS3 10DXN417				1.00000	
30AU104D5	31	CP0830B	DB-5 CPSM 3732-08				1.00000	
30AU104D5	32	L568A-1-AA	G0H260533-1MB	20	TO-9/AIR	15	0.50000	SAM
30AU104D5	33	L58KL-1-AD	G0H270565-2	20	8290/SOLID		10.13000	g
30AU104D5	34	L58KM-1-AD	G0H270565-3	20	8290/SOLID		10.07000	g
30AU104D5	35	L58KR-1-AD	G0H270569-1	20	8290/SOLID		10.49000	g
30AU104D5	36	L58KX-1-AD	G0H270569-2	20	8290/SOLID		10.12000	g
30AU104D5	37	L58K1-1-AD	G0H270569-3	20	8290/SOLID		9.73000	g
30AU104D5	38	L58K8-1-AD	G0H270571-1	20	8290/SOLID		10.37000	g
30AU104D5	39	L58K9-1-AD	G0H270571-2	20	8290/SOLID		10.01000	g
30AU104D5	40	L58LC-1-AD	G0H270571-3	20	8290/SOLID		10.38000	g
30AU104D5	41	L58LM-1-AD	G0H270574-1	20	8290/SOLID		10.47000	g
30AU104D5	42	L58LV-1-AD	G0H270574-2	20	8290/SOLID		9.91000	g
30AU104D5	43	SB0830A	Solvent Blank C-14				1.00000	
30AU104D5	44	ST0830C	CS3 10DXN336				1.00000	
30AU104D5	45	CP0830C	DB-5 CPSM 3732-08				1.00000	
30AU104D5	46	SB0830B	Solvent Blank C-14				1.00000	
30AU104D5	47	L58LW-1-AD	G0H270574-3	20	8290/SOLID	15	9.93000	g
30AU104D5	48	L58L5-1-AD	G0H270576-1	20	8290/SOLID		9.98000	g
AU104D5	49	L58L7-1-AD	G0H270576-2	20	8290/SOLID		10.89000	g
30AU104D5	50	L58L8-1-AD	G0H270576-3	20	8290/SOLID		9.61000	g
30AU104D5	51	L5KNG-1-AA	G0H130621-11 RI	20	8290/SOLID	1	10.26000	g
30AU104D5	52	L5KNE-1-AA	G0H130621-9 (50X)	20	8290/SOLID		10.17000	g
30AU104D5	53	L5KNF-1-AA	G0H130621-10 (50X)	20	8290/SOLID		10.57000	g

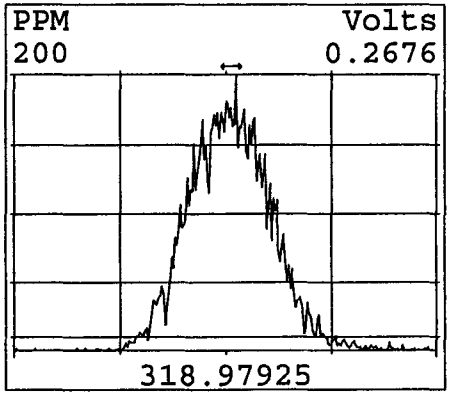
30AU104D5	54	L563K-1-AA	G0H260533-1	20	TO-9/AIR	15	0.50000	SAM
30AU104D5	55	L568A-1-AC	G0H260533-1LCS	20	TO-9/AIR		0.50000	SAM
30AU104D5	56	L568A-1-AD	G0H260533-1DCS	20	TO-9/AIR		0.50000	SAM
30AU104D5	57	L56C2-1-AC	C0H060548-22LCS RI	20	1613B/WATER	12	1.00000	L
)AU104D5	58	ST0830D	CS3 10DXN417				1.00000	
30AU104D5	59						1.00000	
30AU104D5	60						1.00000	
30AU104D5	61						1.00000	
30AU104D5	62		AS 08-30-10				1.00000	

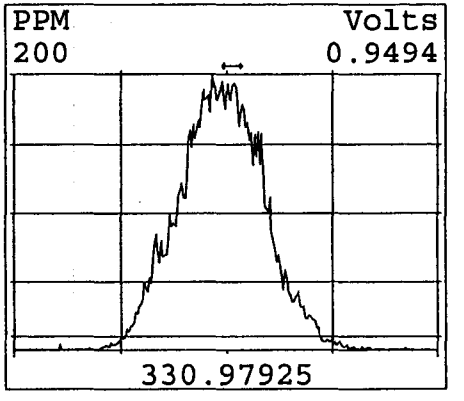
Logged 9/1/10 KS

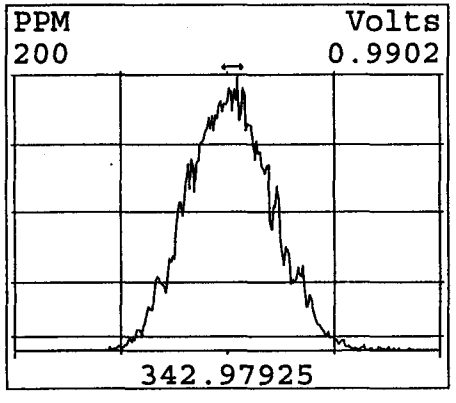
Peak Locate Examination:30-AUG-2010:09:40 File:30AU104D5
Experiment:DIOXINRES Function:1 Reference:PFK

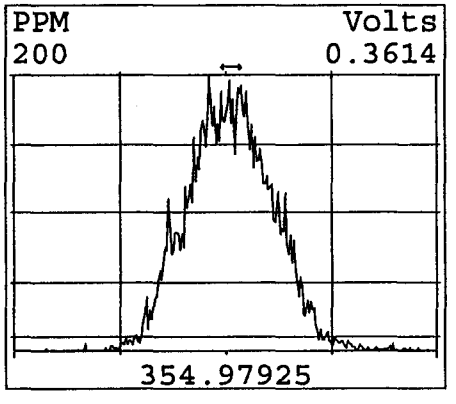


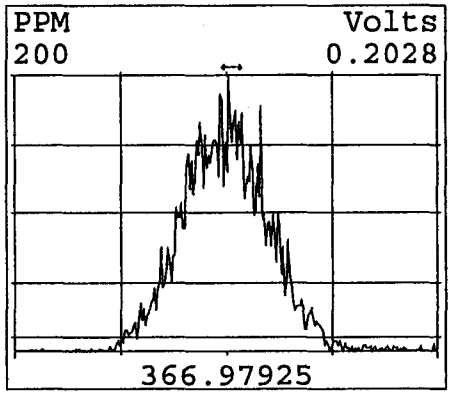


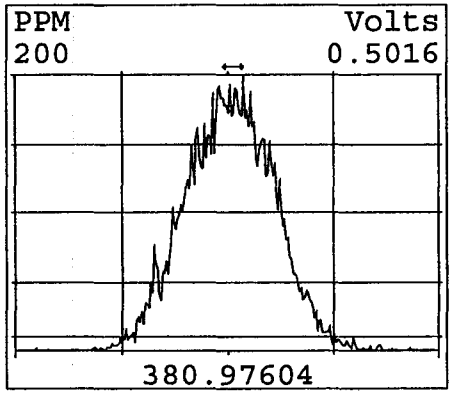


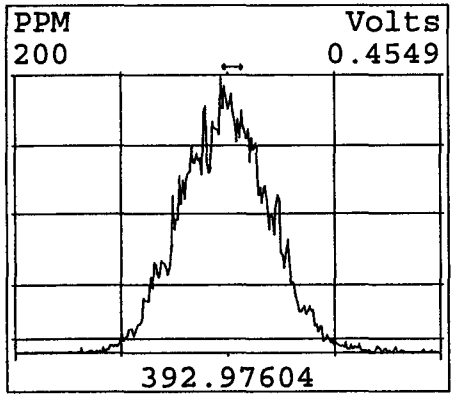


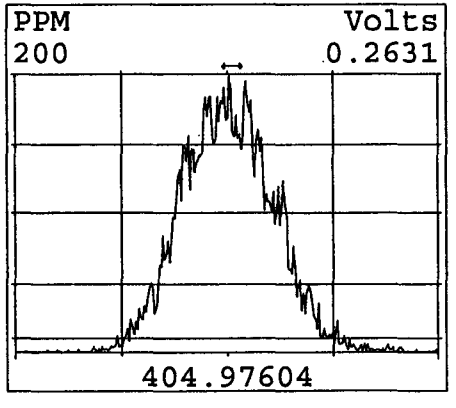


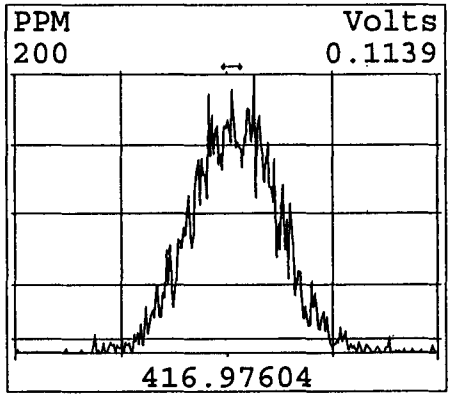




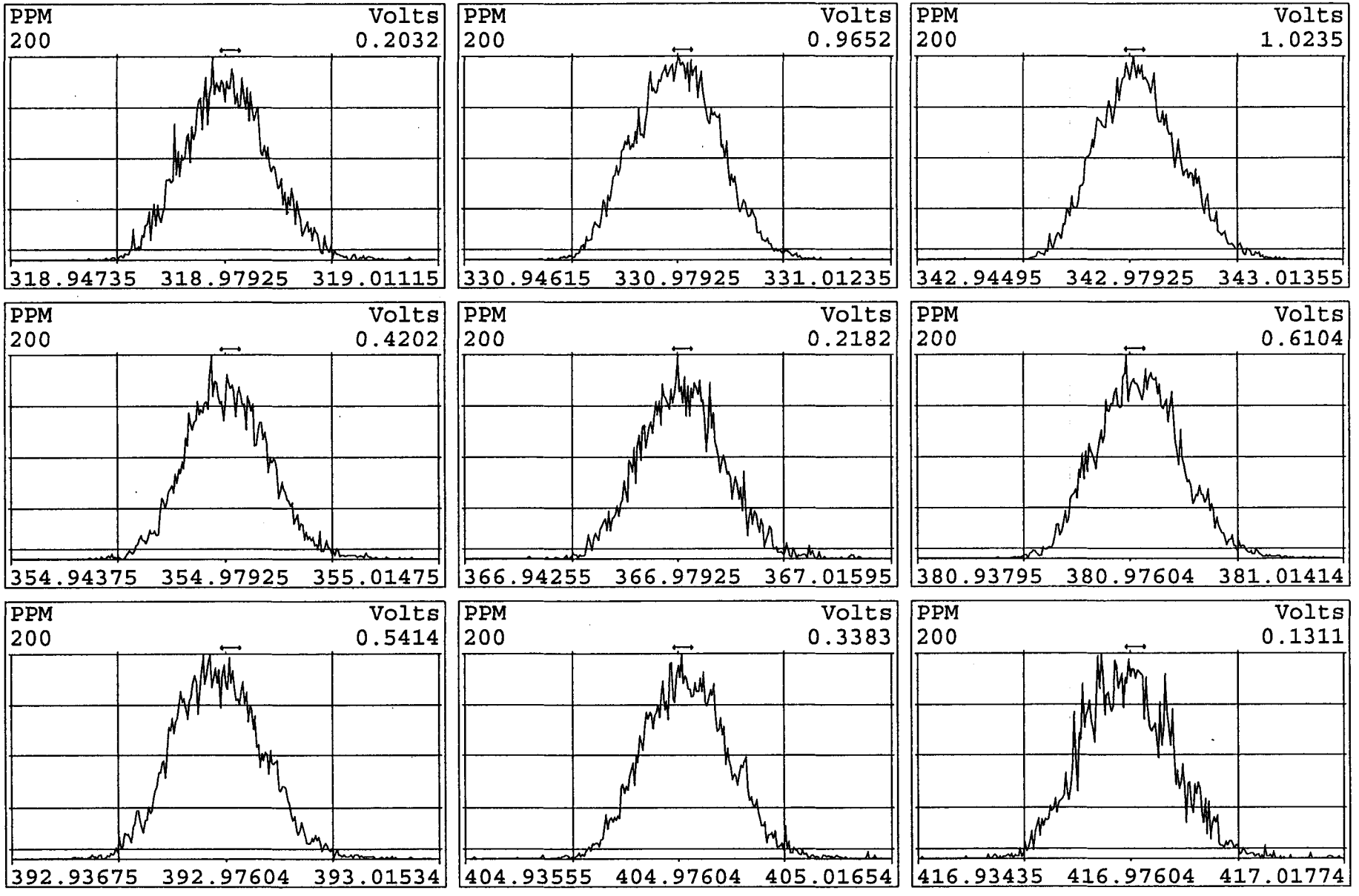




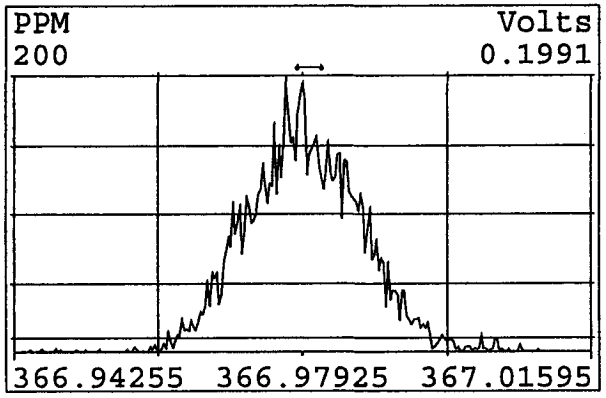


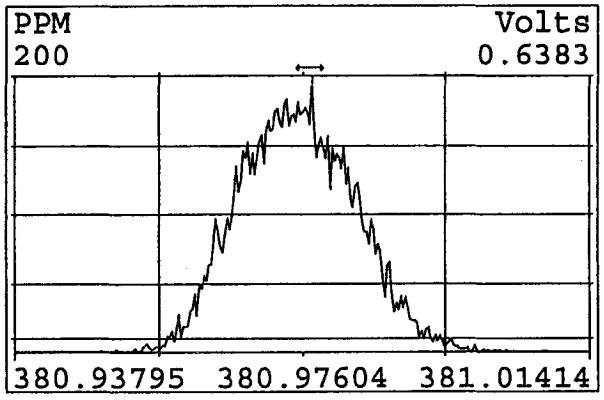


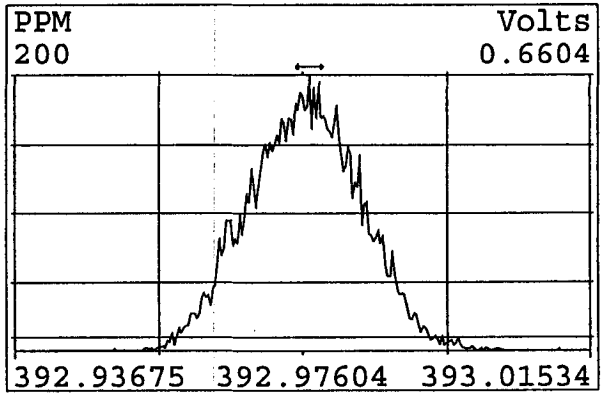
Peak Locate Examination:30-AUG-2010:09:41 File:30AU104D5
Experiment:DIOXINRES Function:2 Reference:PFK

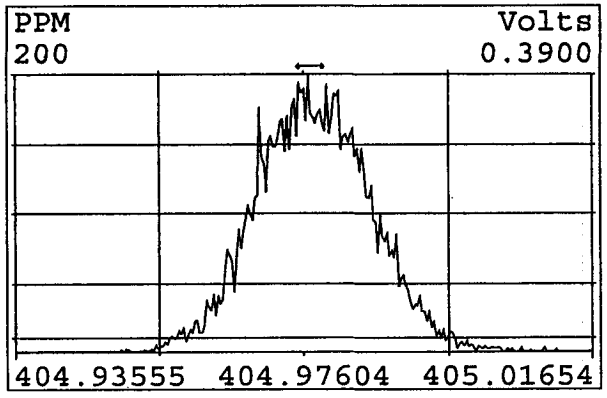


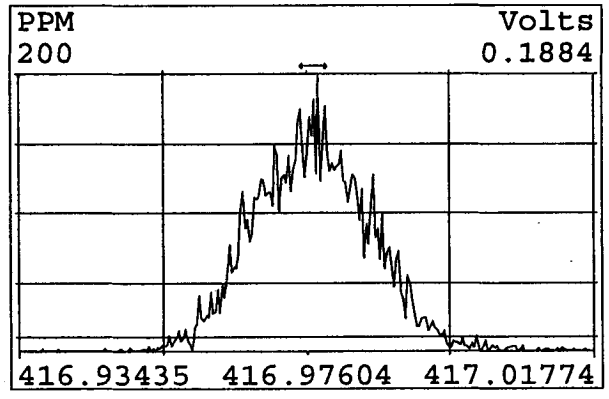
Peak Locate Examination:30-AUG-2010:09:41 File:30AU104D5
Experiment:DIOXINRES Function:3 Reference:PFK

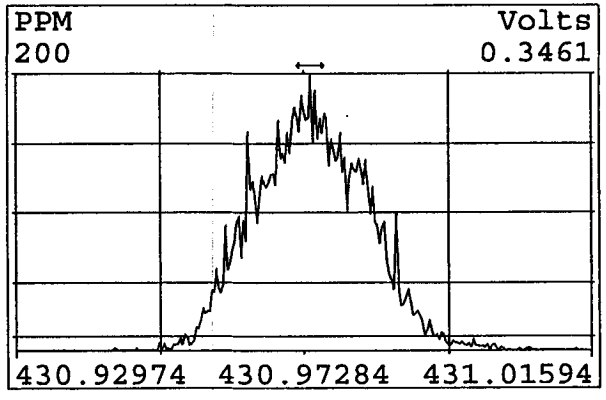


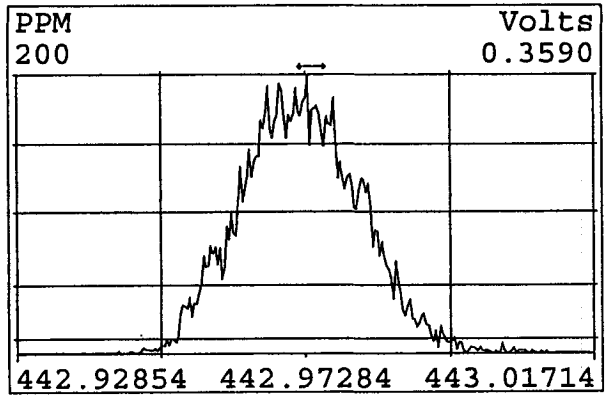


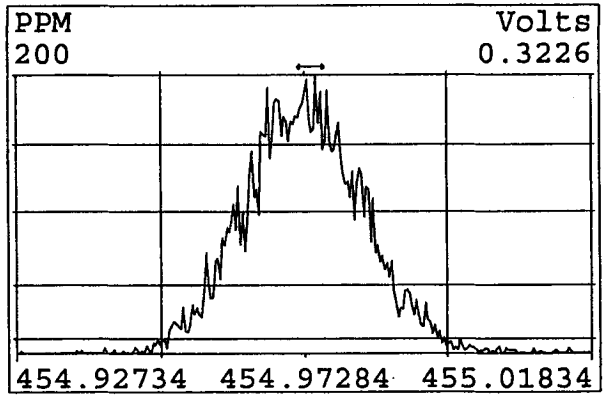




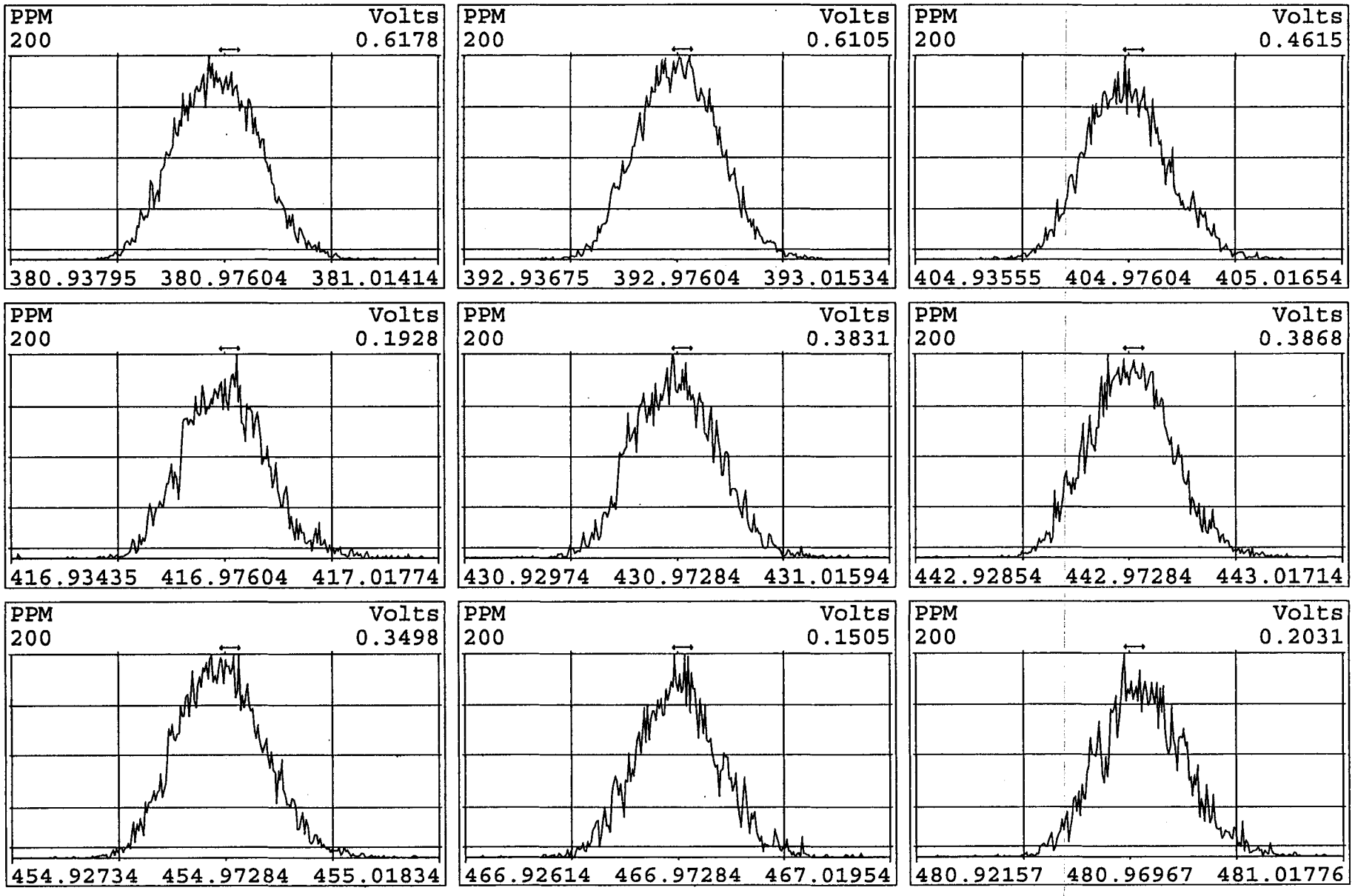




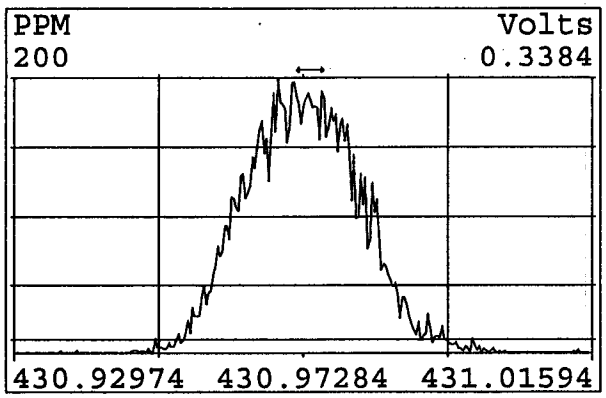


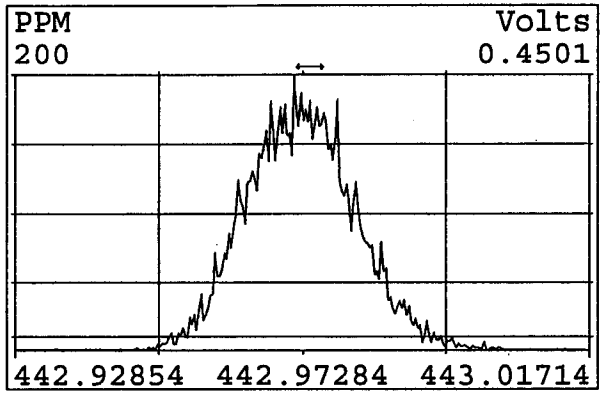


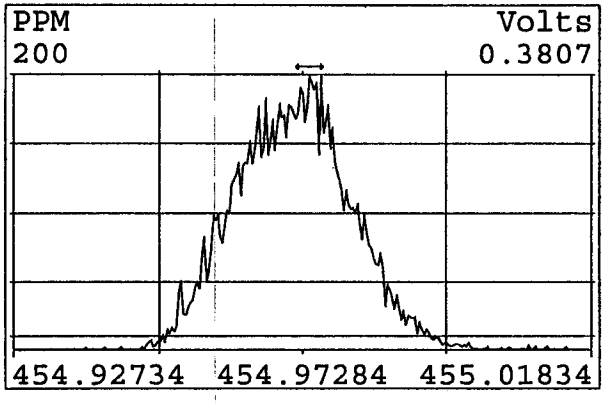
Peak Locate Examination:30-AUG-2010:09:41 File:30AU104D5
Experiment:DIOXINRES Function:4 Reference:PFK

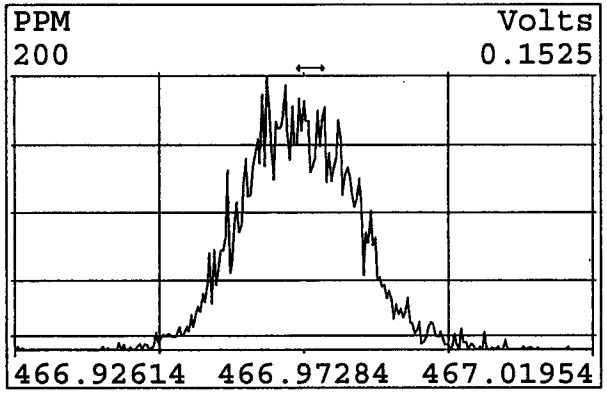


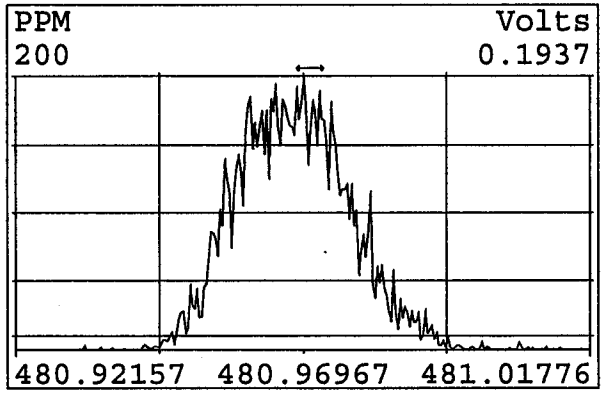
Peak Locate Examination:30-AUG-2010:09:42 File:30AU104D5
Experiment:DIOXINRES Function:5 Reference:PFK

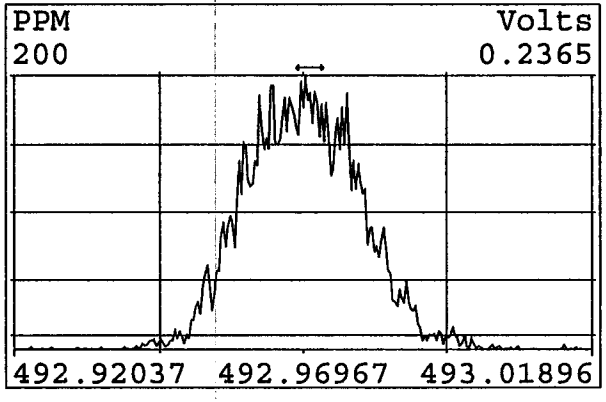


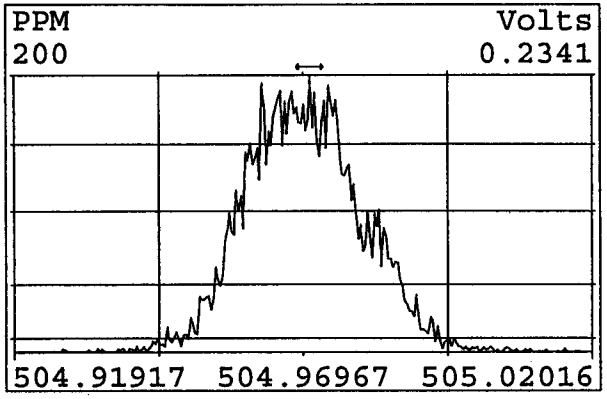


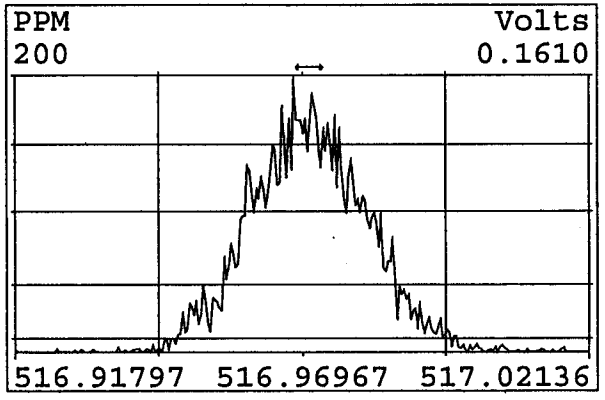




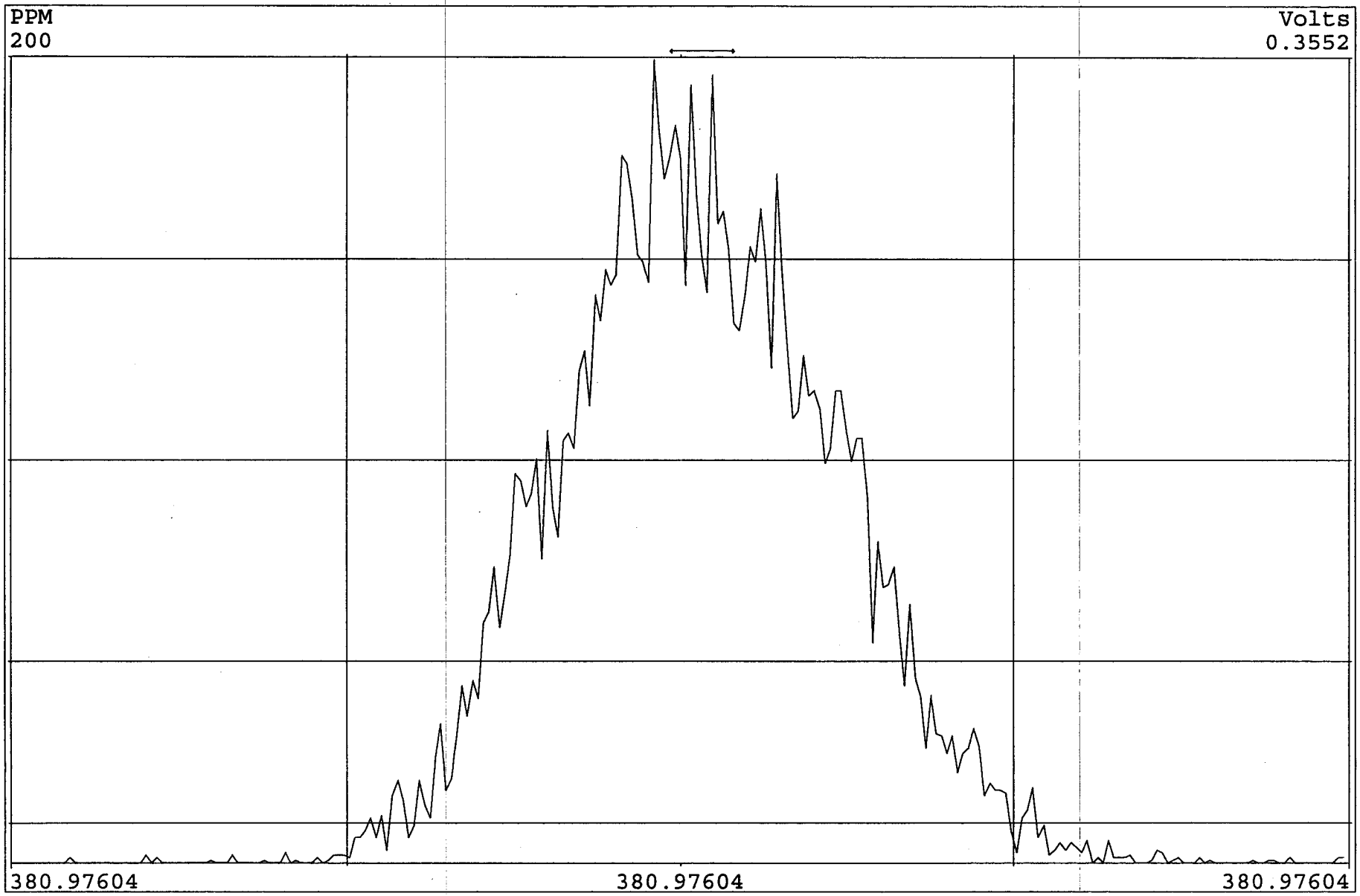




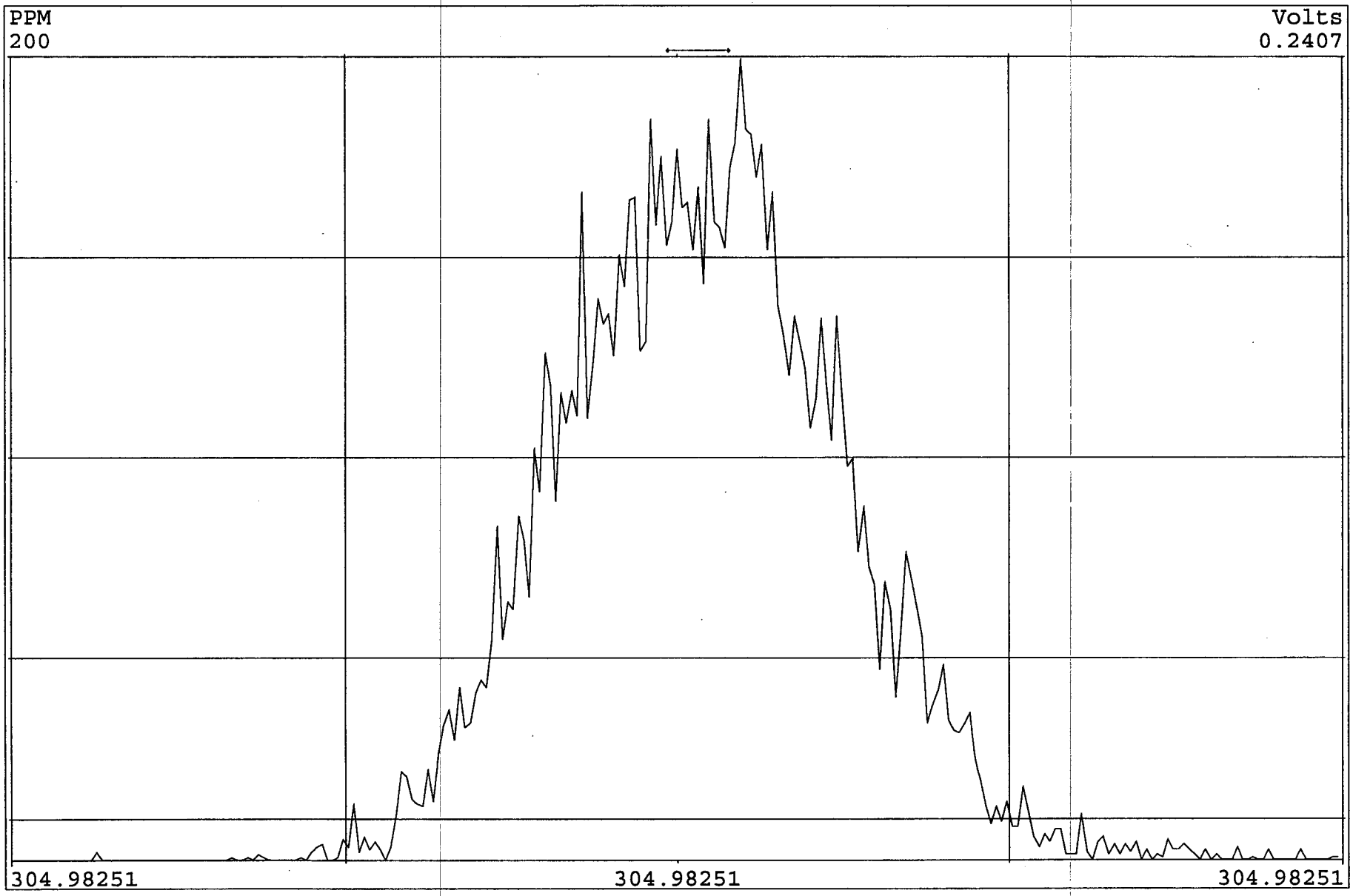




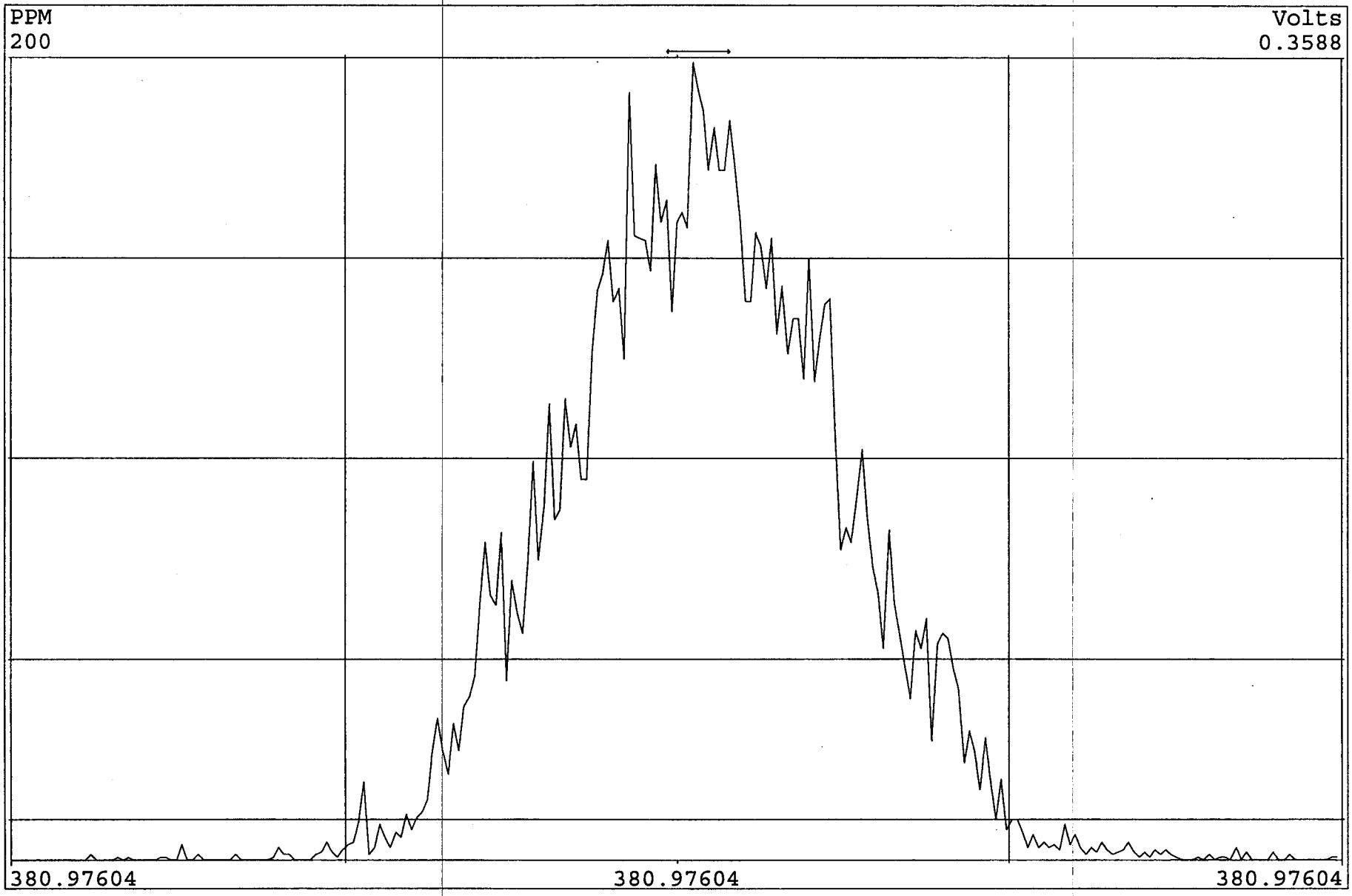
SIRLM Examination:30-AUG-2010:15:36 File:30AU104D5
Experiment:DIOXINRES Function:6



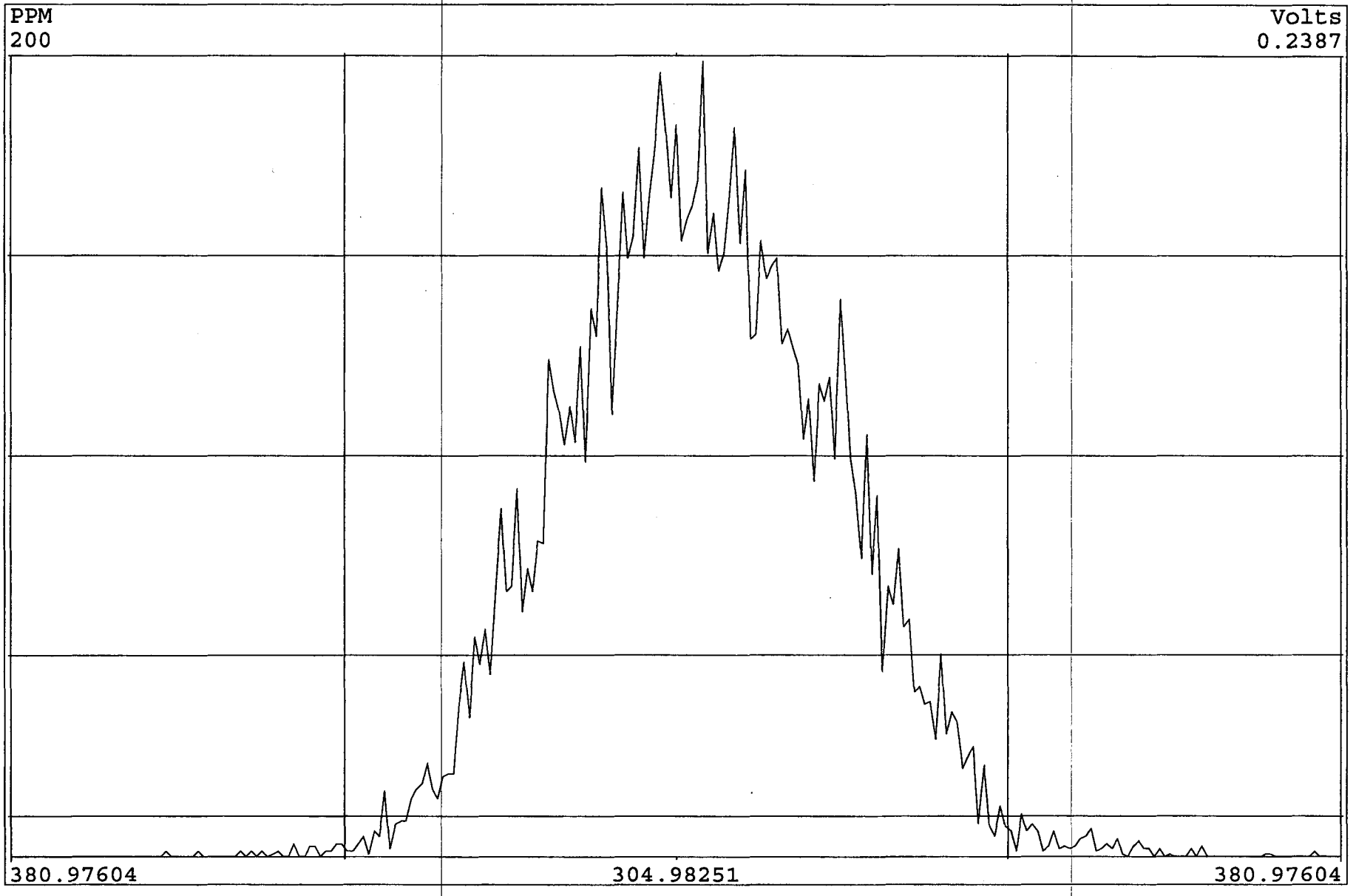
SIRLM Examination:30-AUG-2010:15:37 File:30AU104D5
Experiment:DIOXINRES Function:7



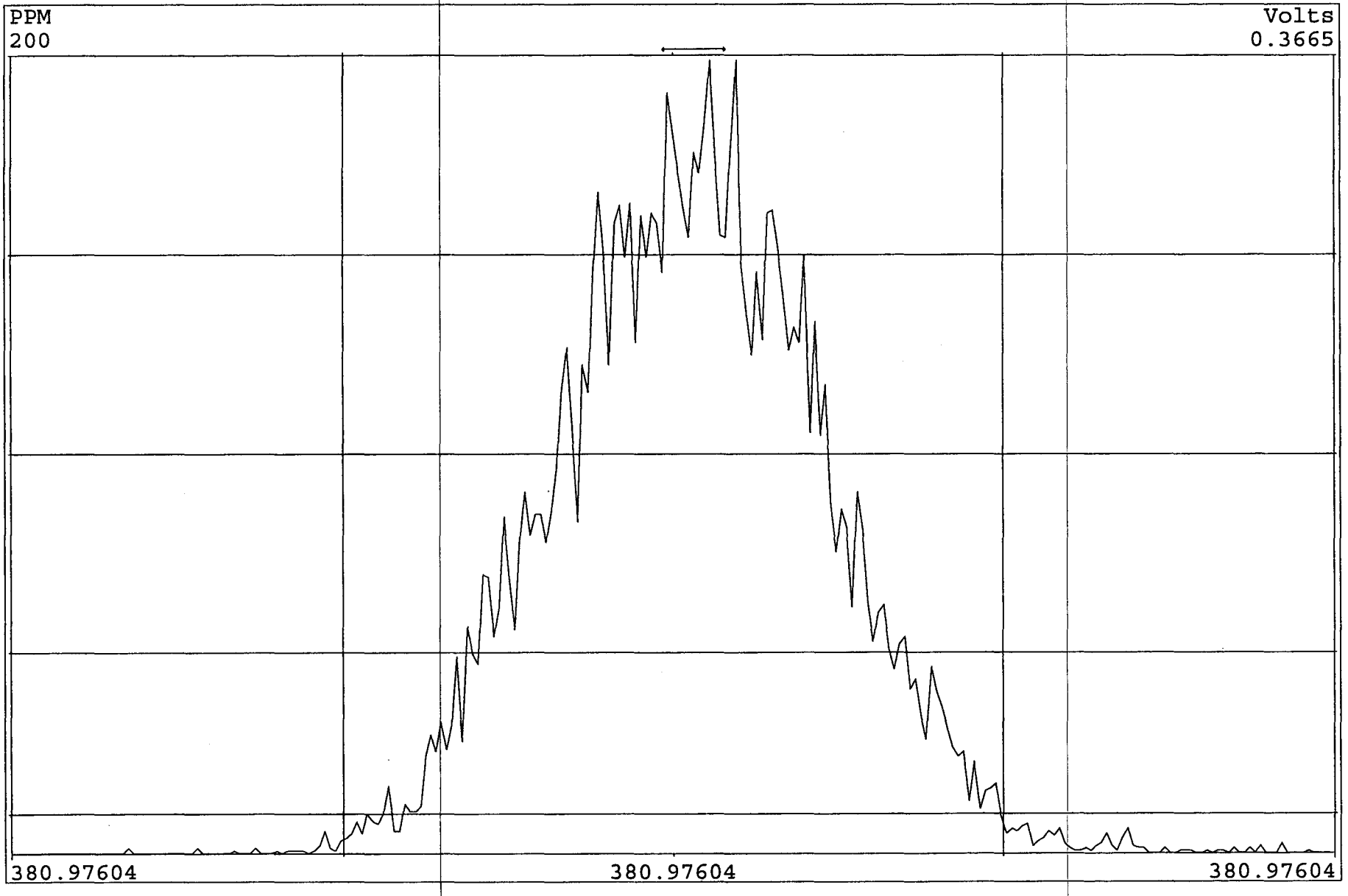
SIRLM Examination:30-AUG-2010:20:48 File:30AU104D5
Experiment:DIOXINRES Function:6

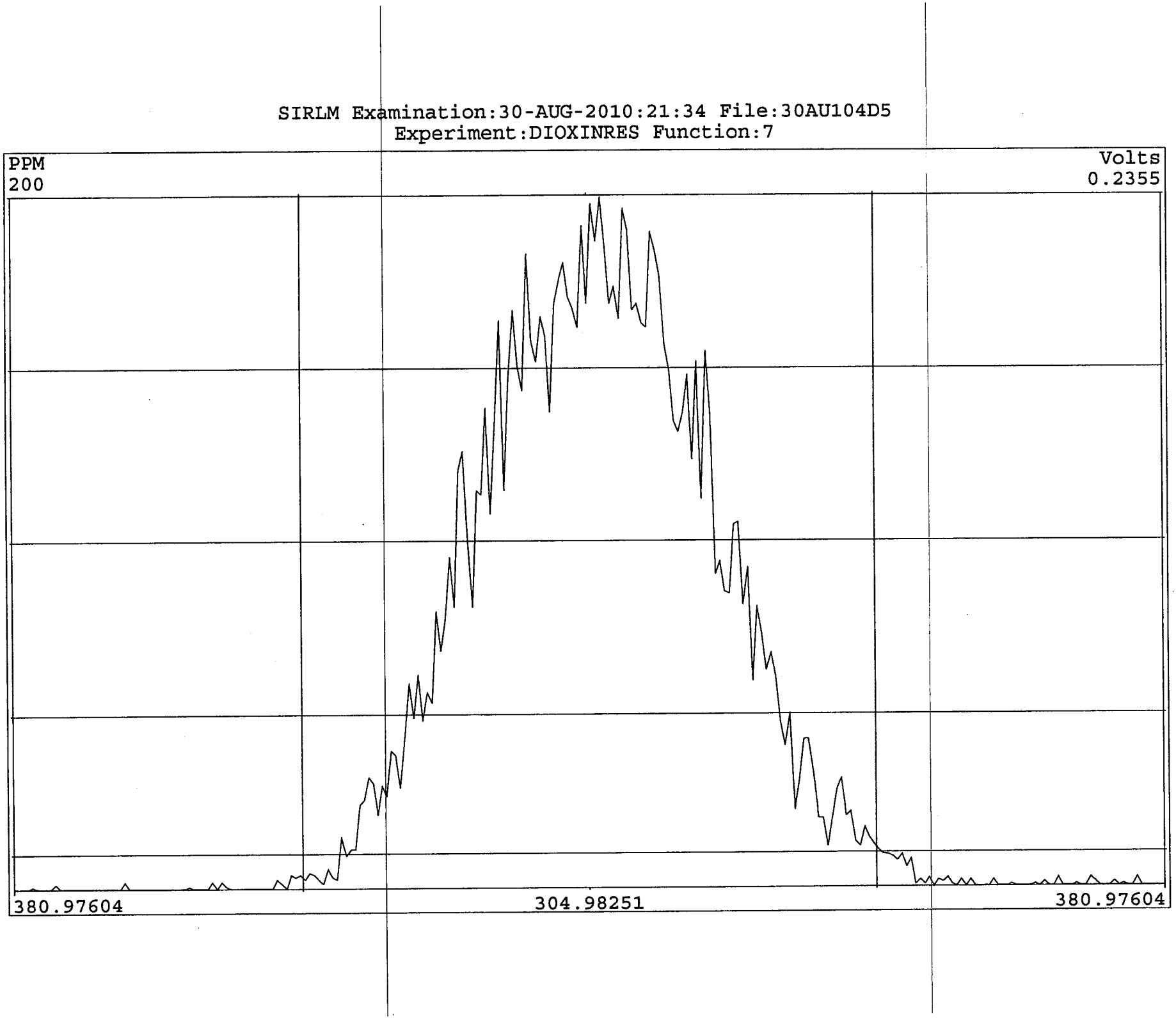


SIRLM Examination:30-AUG-2010:20:49 File:30AU104D5
Experiment:DIOXINRES Function:7

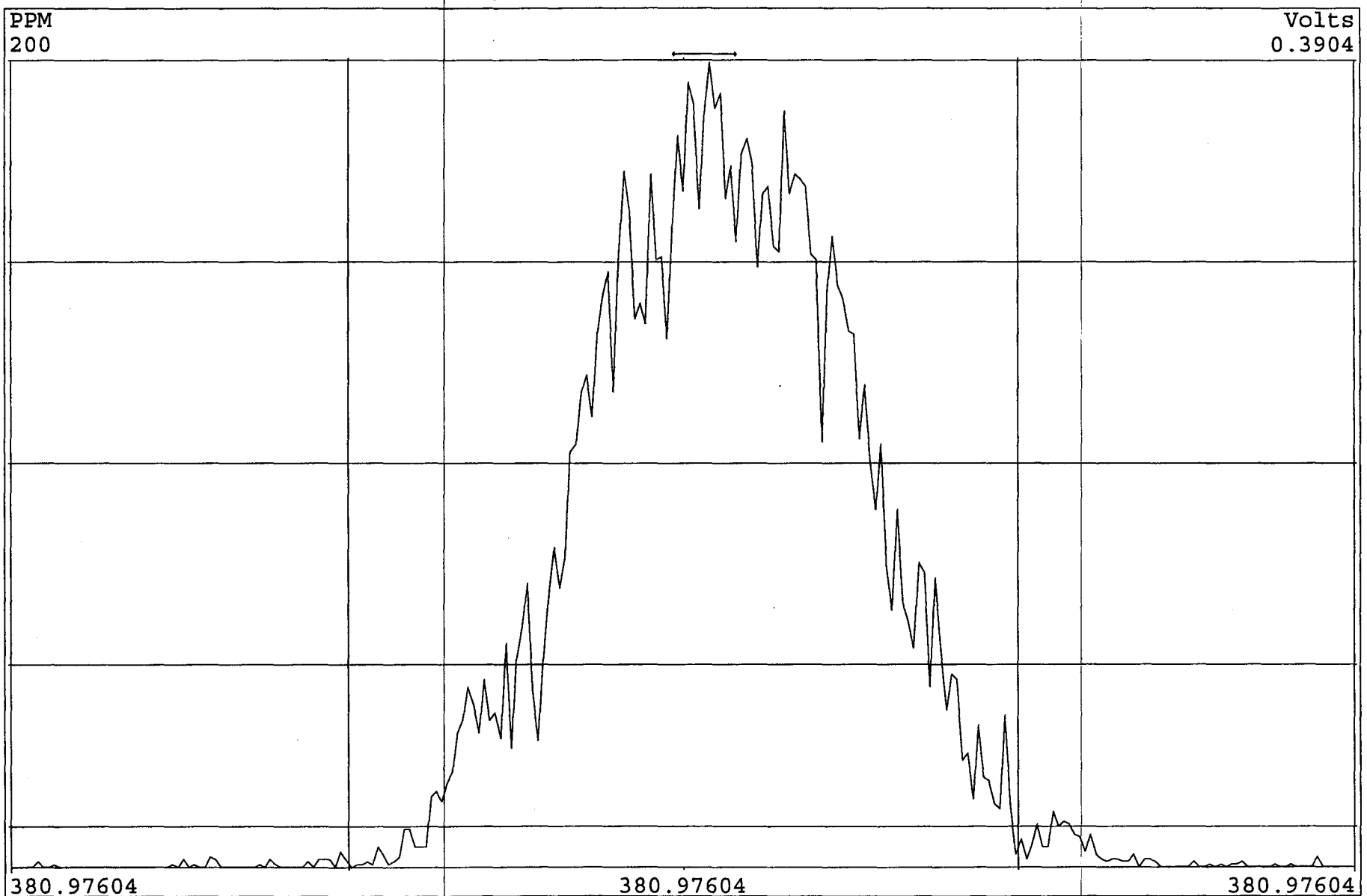


SIRLM Examination:30-AUG-2010:21:33 File:30AU104D5
Experiment:DIOXINRES Function:6

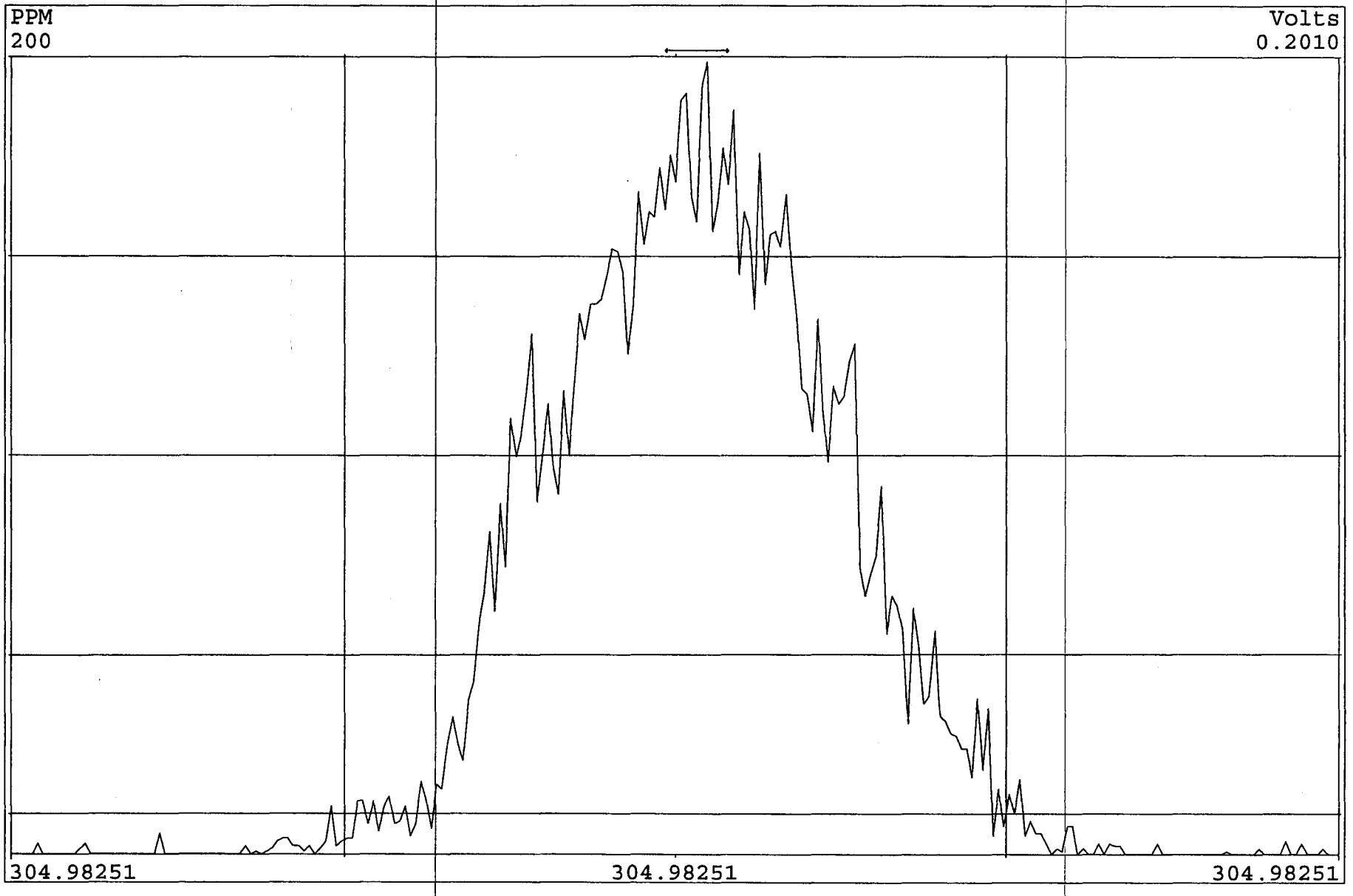




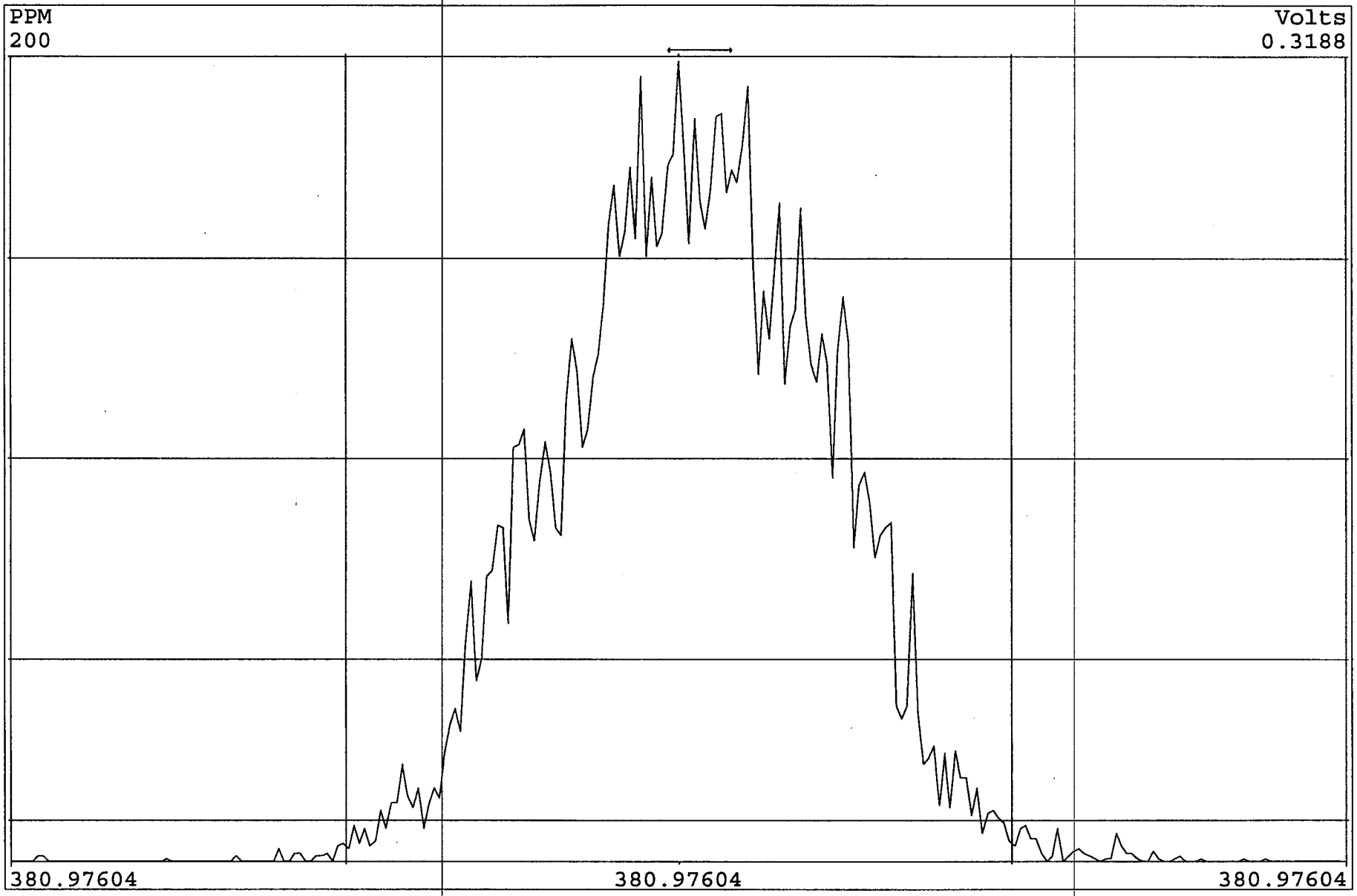
SIRLM Examination:31-AUG-2010:08:42 File:30AU104D5
Experiment:DIOXINRES Function:6

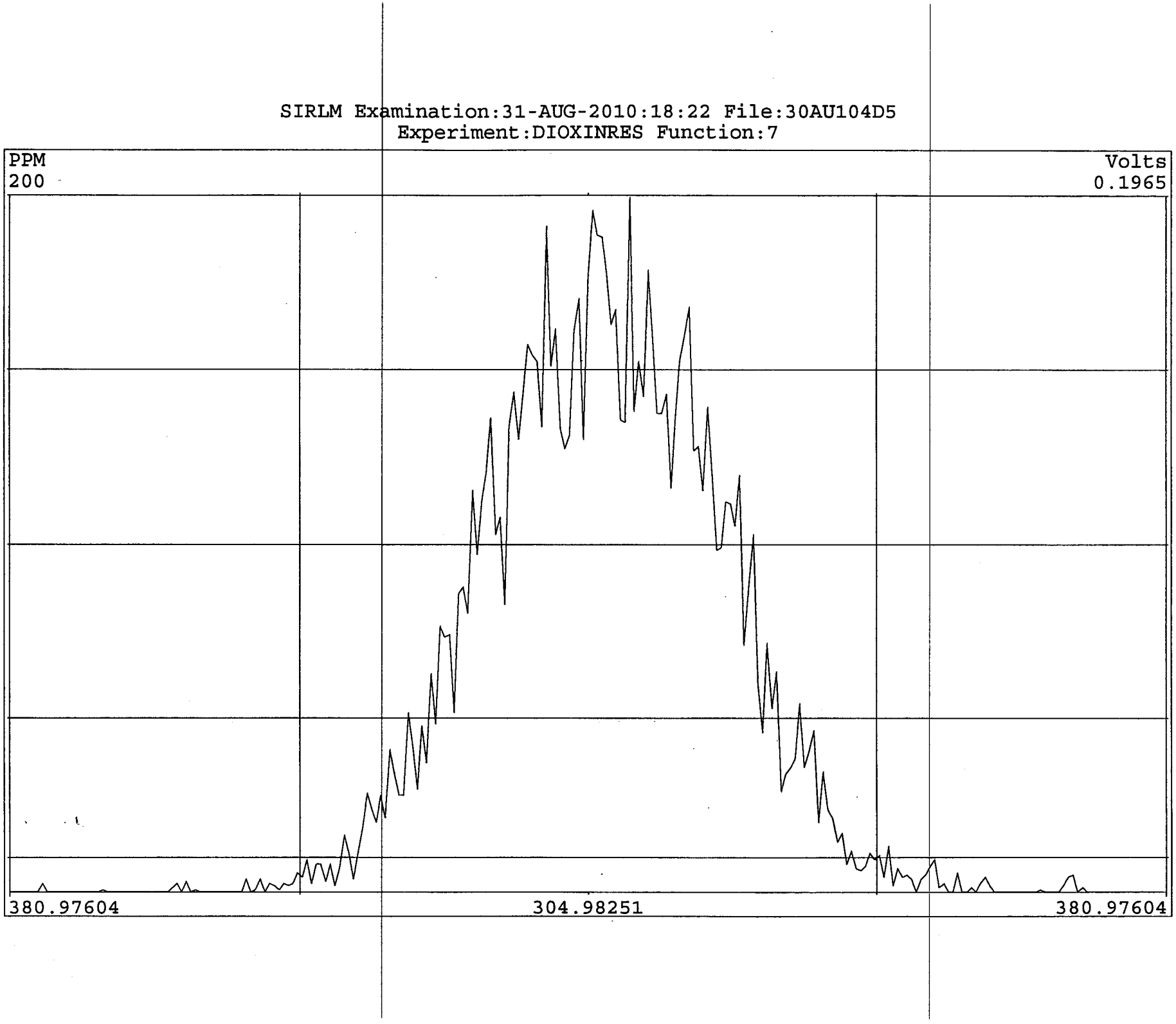


SIRLM Examination:31-AUG-2010:08:42 File:30AU104D5
Experiment:DIOXINRES Function:7

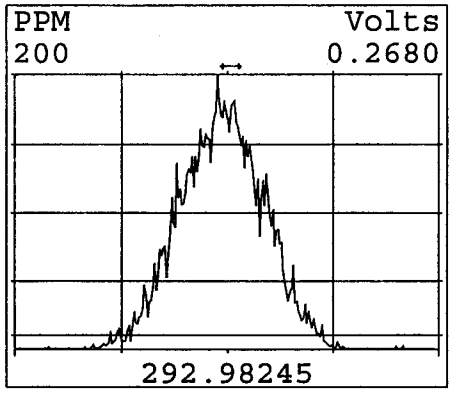


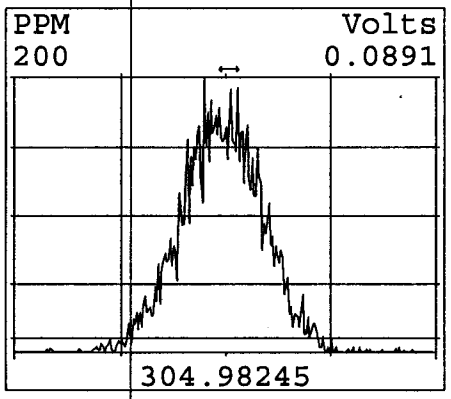
SIRLM Examination:31-AUG-2010:18:21 File:30AU104D5
Experiment:DIOXINRES Function:6

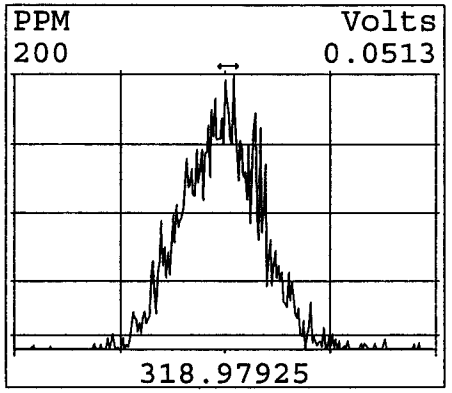


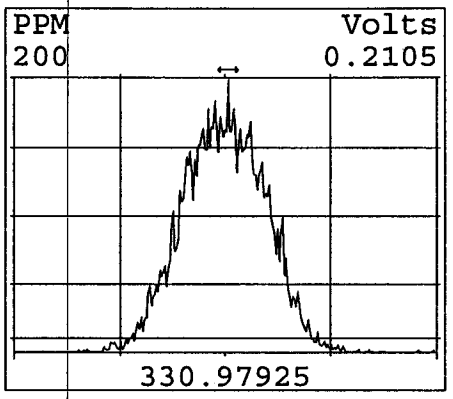


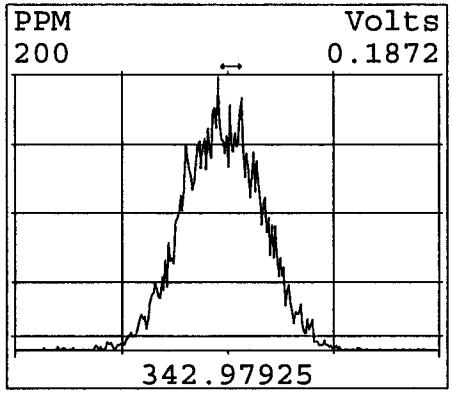
Peak Locate Examination: 1-SEP-2010:09:07 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:1 Reference:PFK

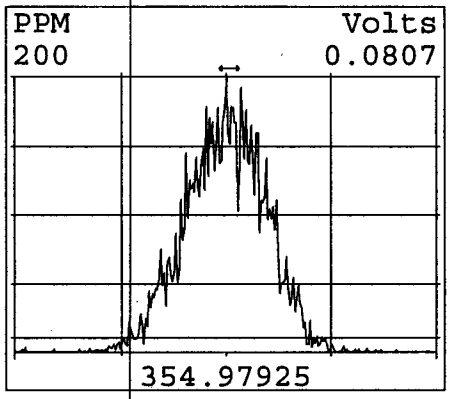


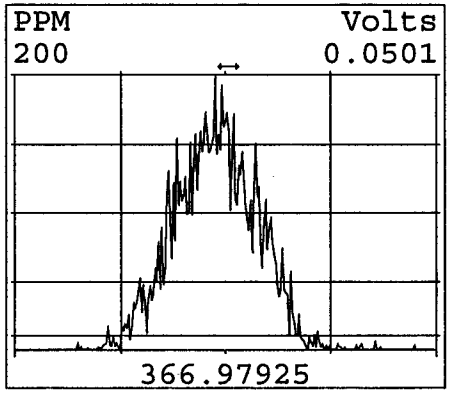


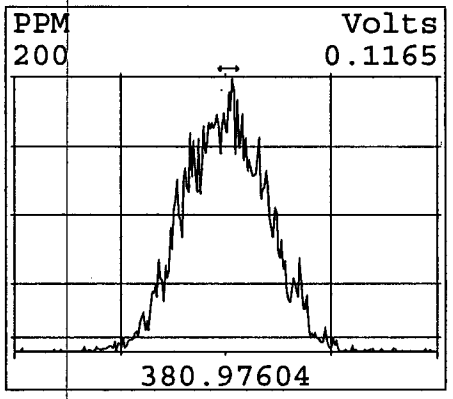


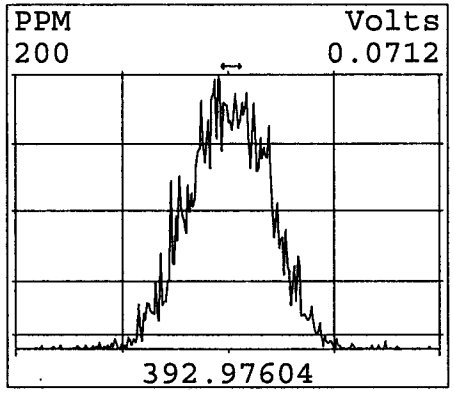


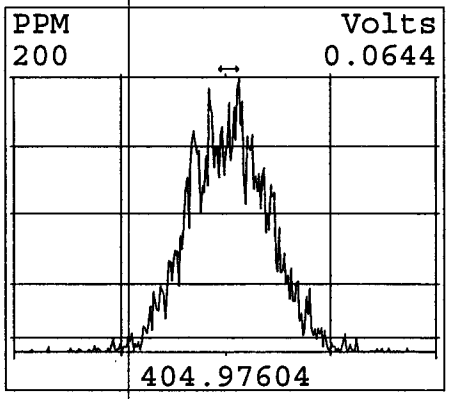


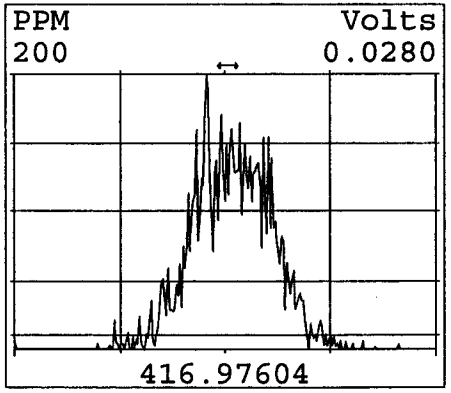




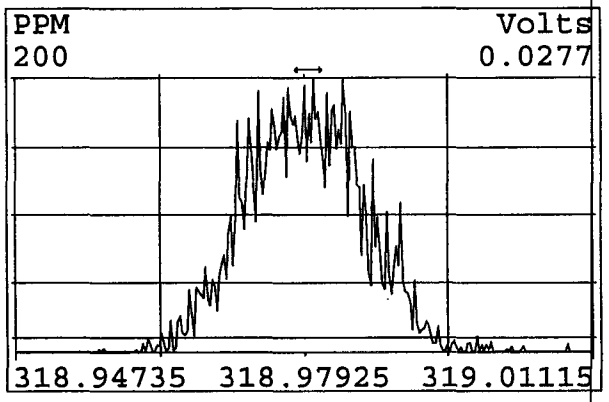


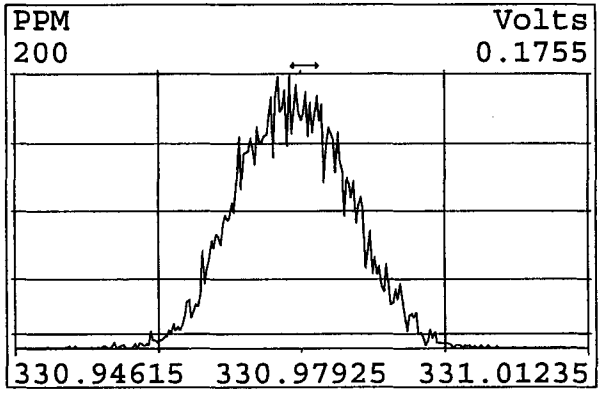


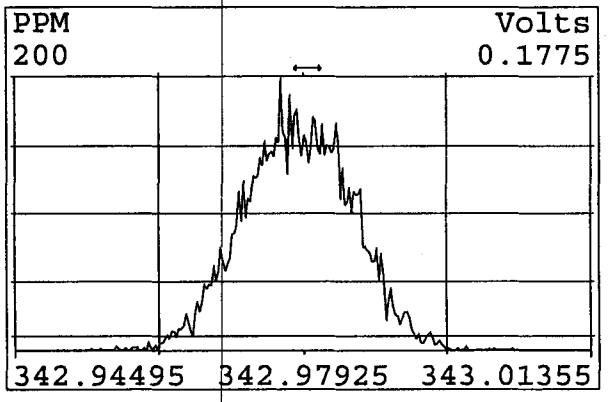


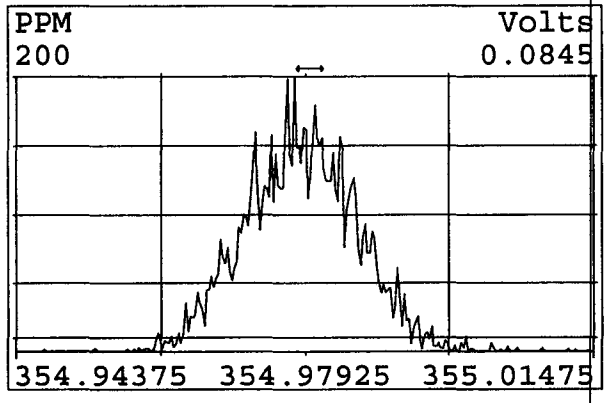


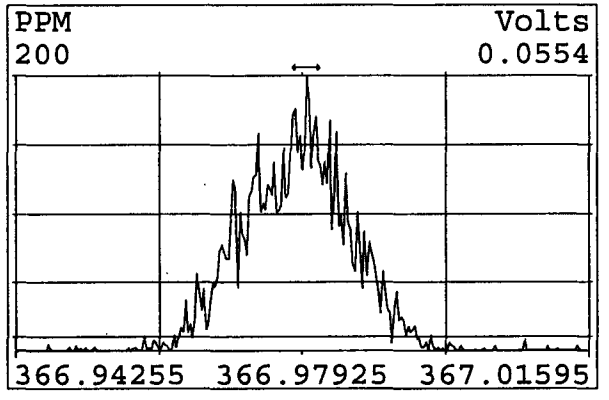
Peak Locate Examination: 1-SEP-2010:09:08 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:2 Reference:PFK

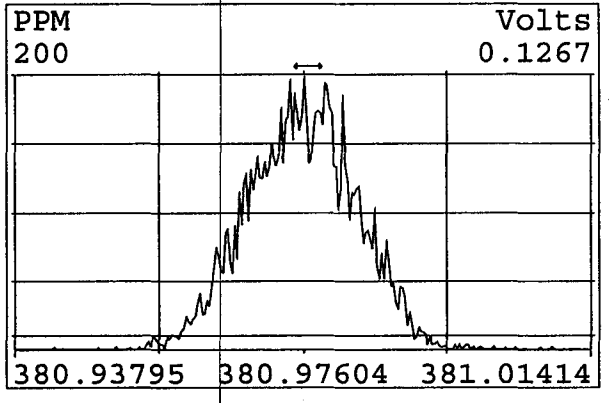


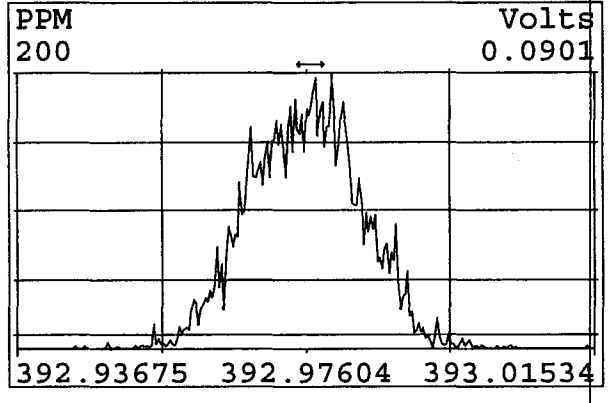


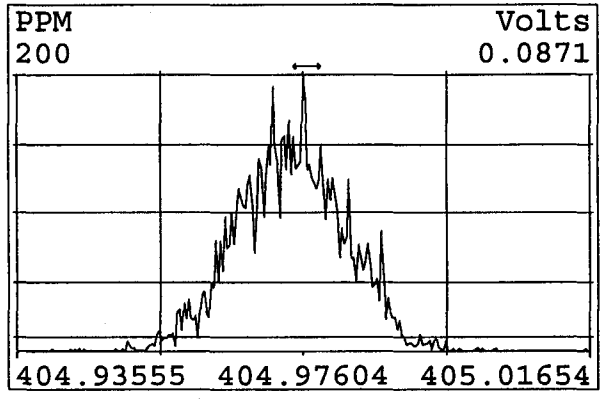


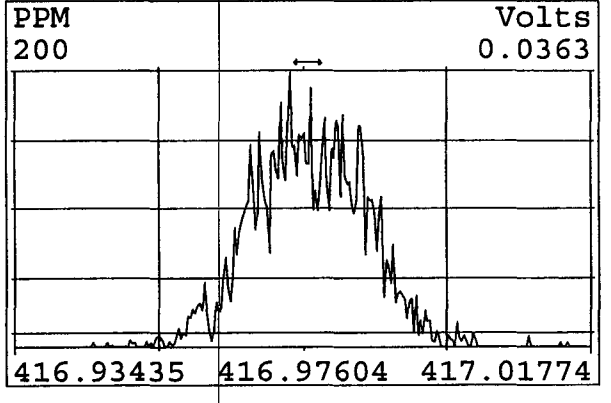




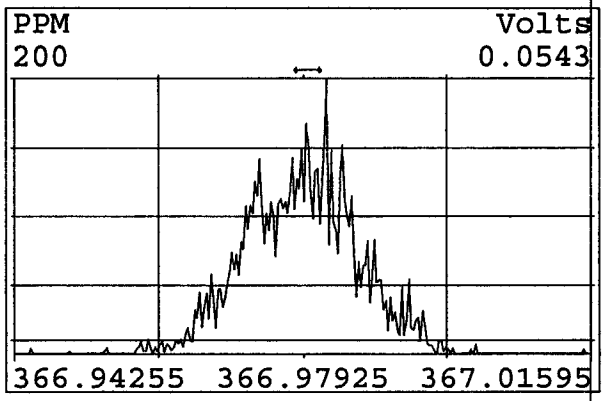


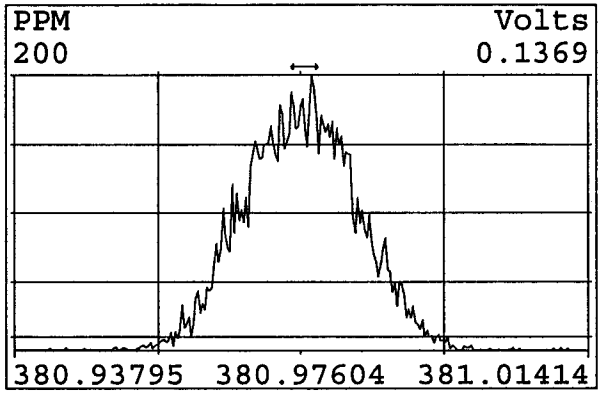


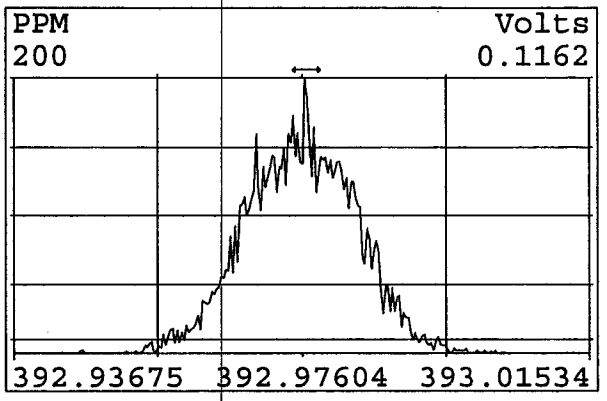


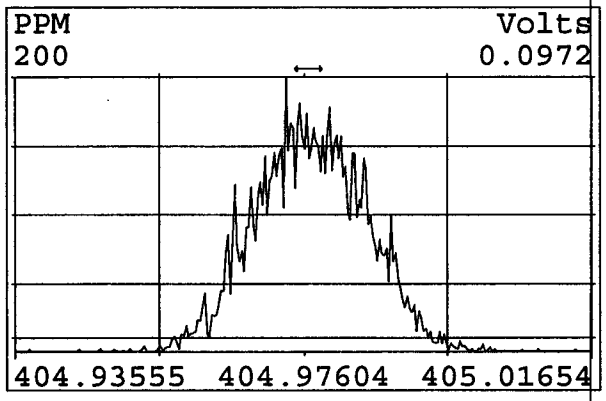


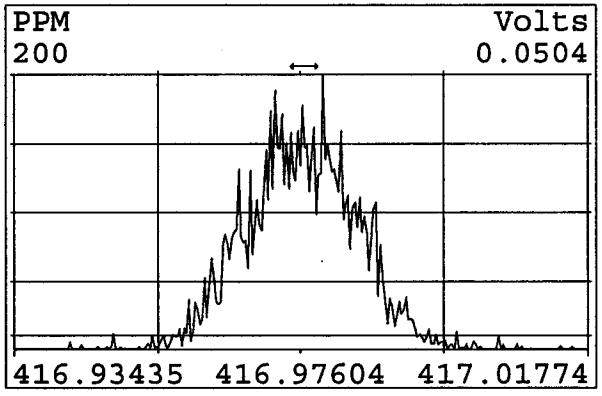
Peak Locate Examination: 1-SEP-2010:09:08 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:3 Reference:PFK

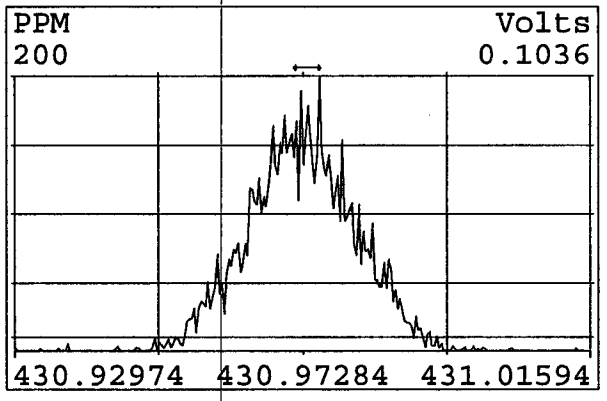


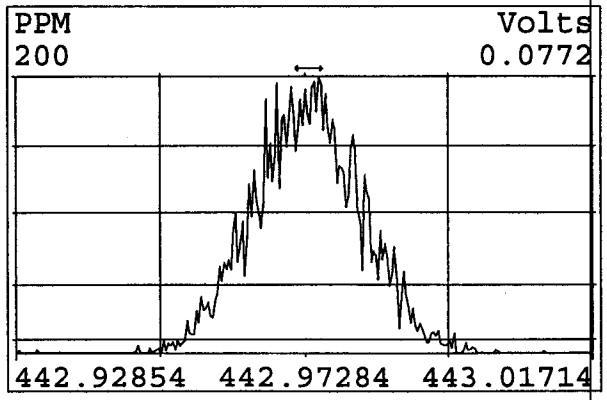


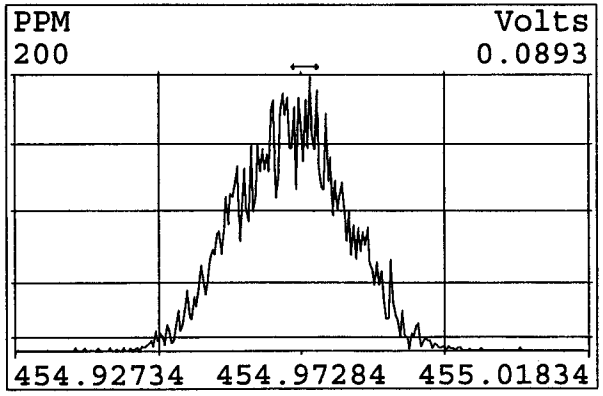




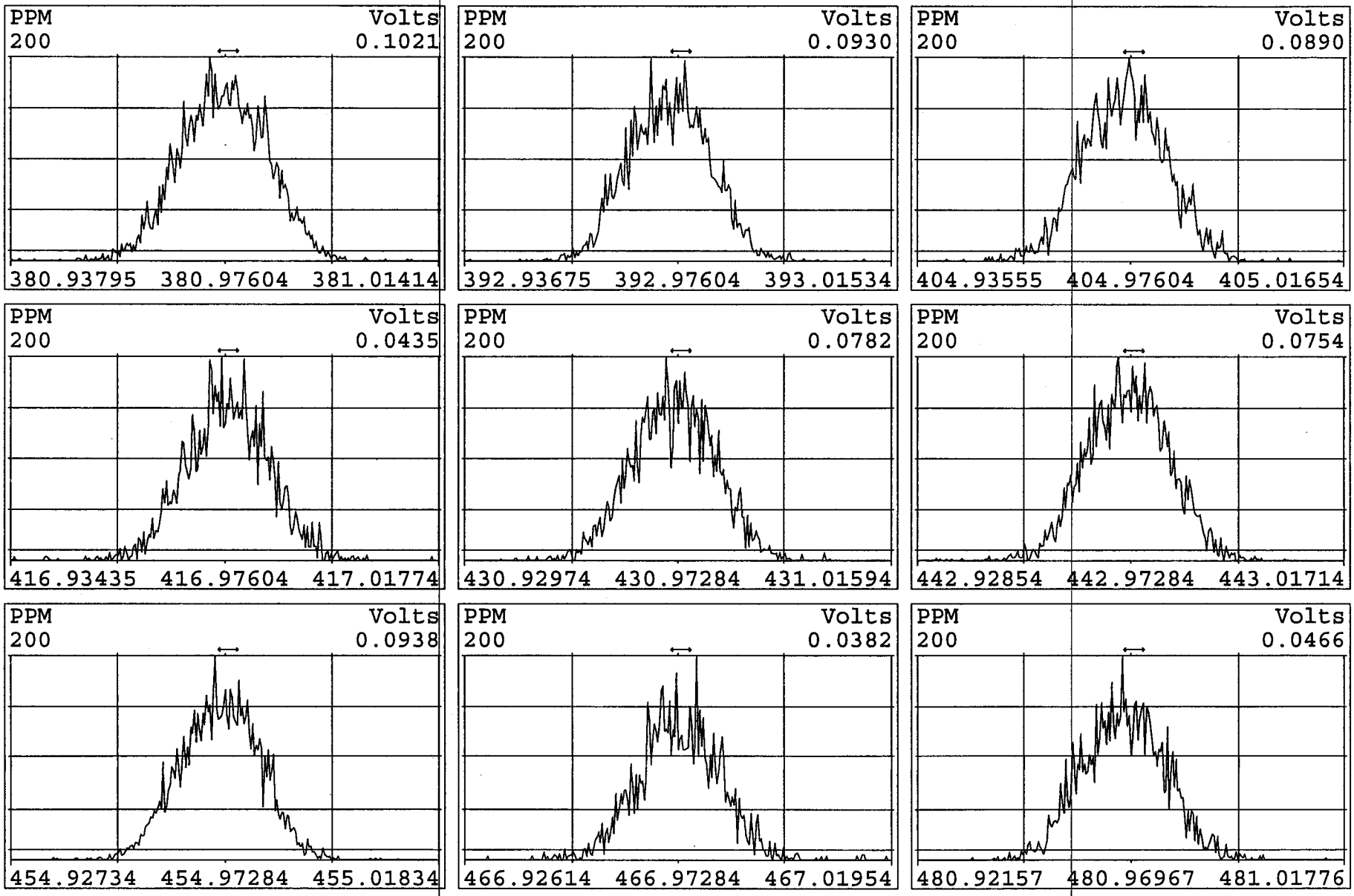




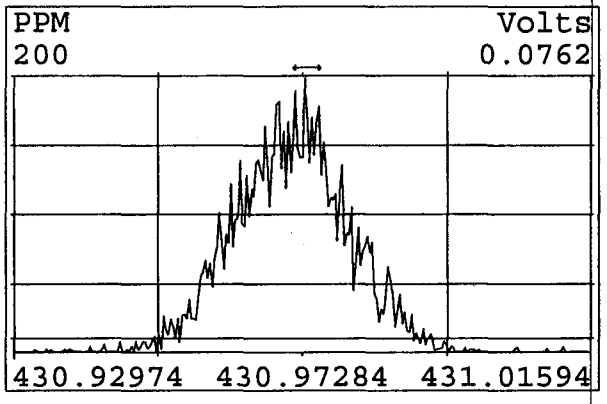


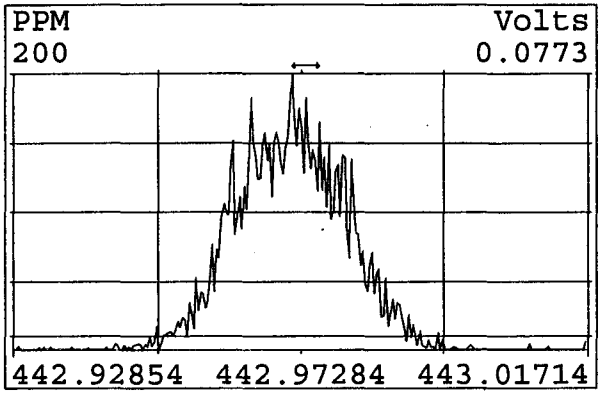


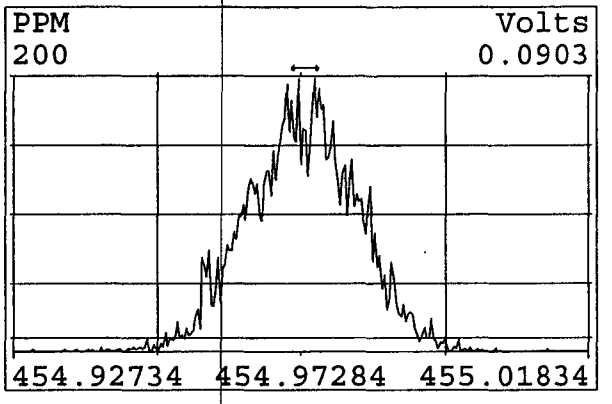
Peak Locate Examination: 1-SEP-2010:09:08 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:4 Reference:PFK

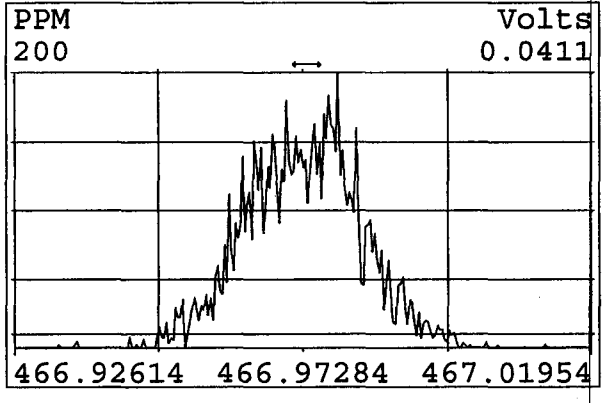


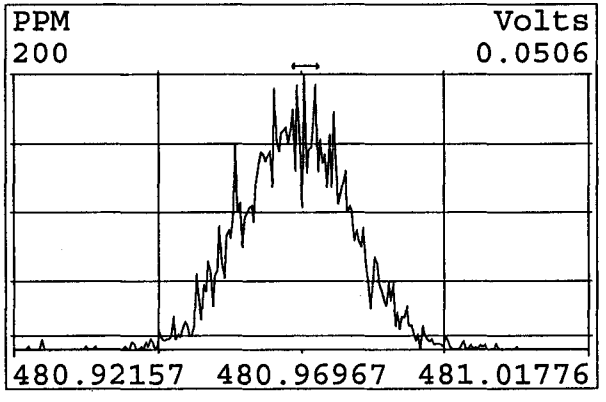
Peak Locate Examination: 1-SEP-2010:09:09 File:30AU104D5ENDRES
Experiment:DIOXINRES Function:5 Reference:PFK

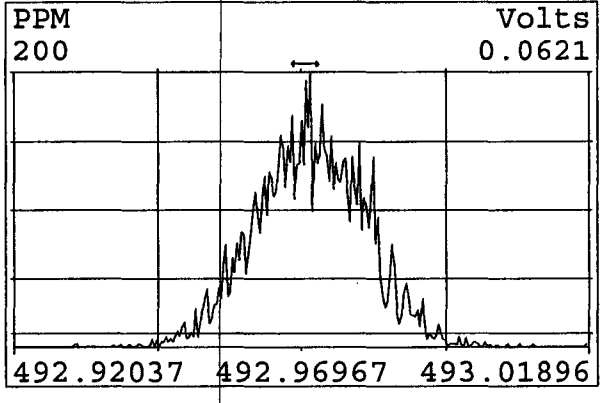


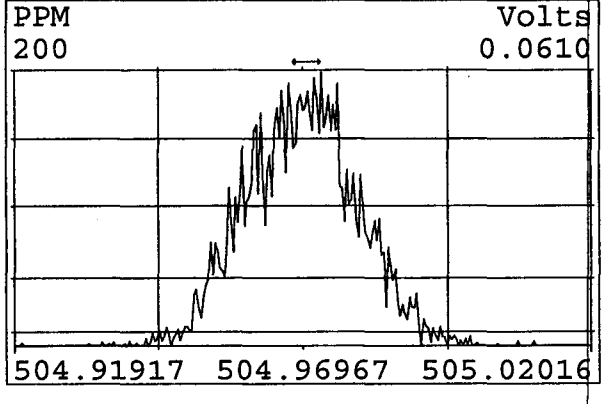


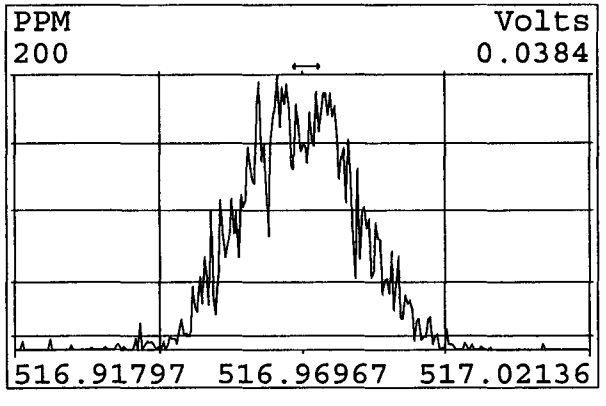




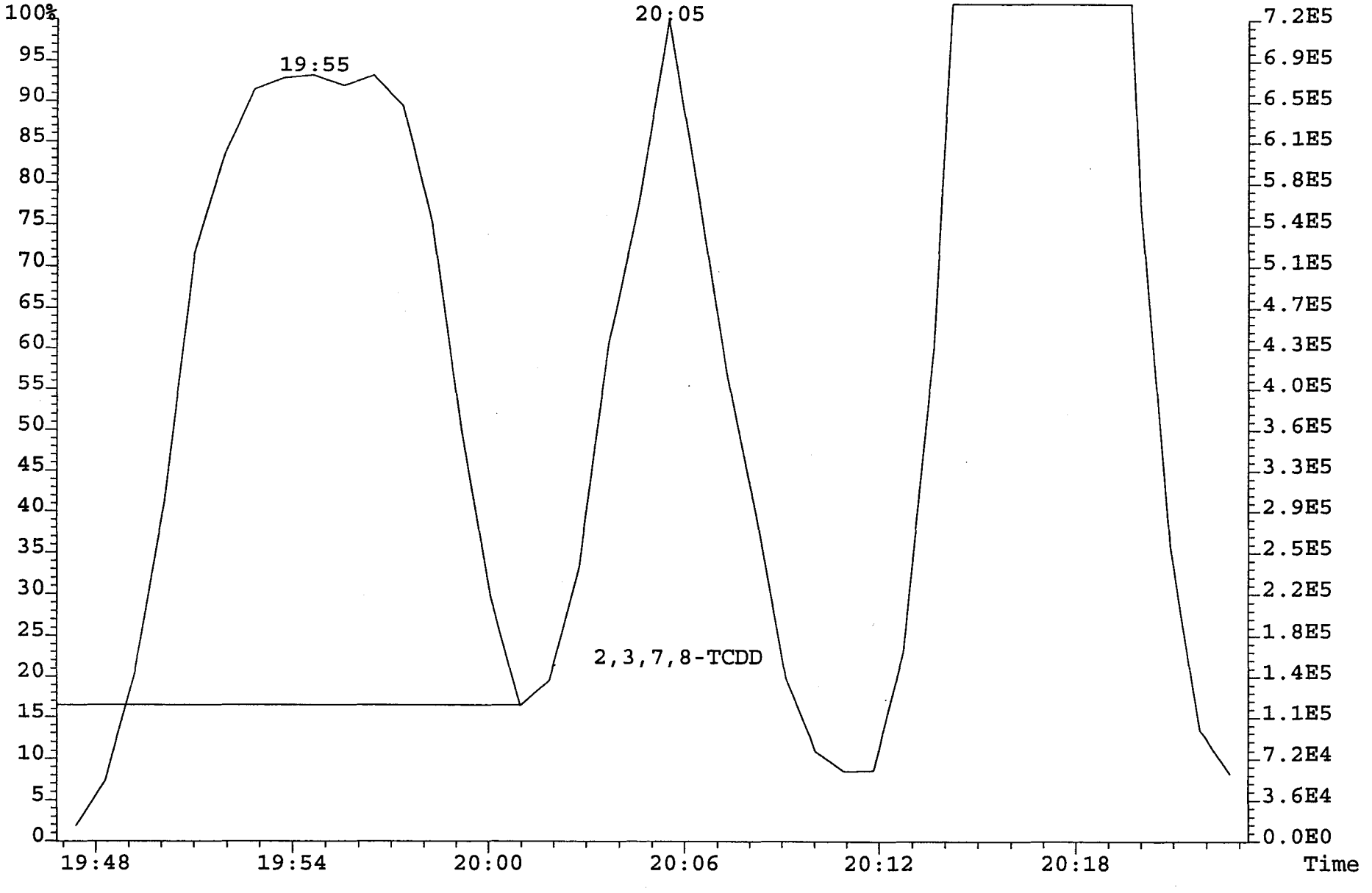








File:30AU104D5 #1-530 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
319.8965 S:45 BSUB(128,15,-3.0) Exp:DIOXINRES Noise:184
Sample Text:CP0830C :DB-5 CPSM 3732-08



Run: 30AU104D5 Analyte: TO9 Cal: TO90721104D5

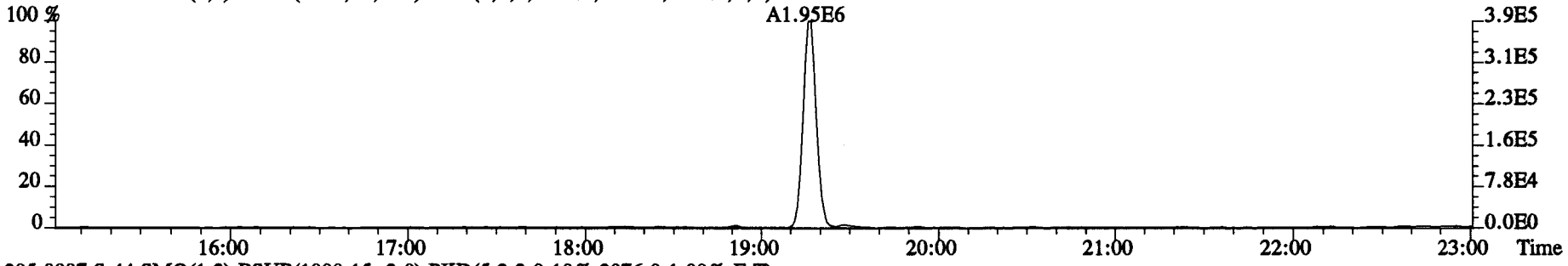
ST0721A :CS-1 10DXN342 ST0721B :CS-2 10DXN334 ST0721C :CS-3 10DXN336
ST0721D :CS-5 10DXN339 ST0721E :CS-4 10DXN337

Name	Mean	S. D.	%RSD	21JL10A4D5 S4 RRF1	21JL10A4D5 S5 RRF2	21JL10A4D5 S6 RRF3	21JL10A4D5 S7 RRF4	21JL10A4D5 S8 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.229	0.154	12.5 %	1.30	1.31	1.39	1.03	1.11
2,3,7,8-TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
Total TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
13C-2,3,7,8-TCDD	0.905	0.029	3.25 %	0.92	0.92	0.94	0.88	0.87
2,3,7,8-TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
Total TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
37Cl-2,3,7,8-TCDD	1.326	0.015	1.12 %	1.33	1.31	1.32	1.35	1.32
13C-1,2,3,7,8-PeCDF	0.876	0.018	2.08 %	0.86	0.90	0.86	0.89	0.87
1,2,3,7,8-PeCDF	1.077	0.042	3.92 %	1.03	1.04	1.08	1.11	1.12
2,3,4,7,8-PeCDF	1.046	0.040	3.80 %	1.00	1.02	1.08	1.04	1.09
Total F2 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
Total F1 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
13C-1,2,3,7,8-PeCDD	0.661	0.010	1.45 %	0.65	0.66	0.67	0.67	0.65
1,2,3,7,8-PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
Total PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.045	0.067	6.44 %	1.03	1.15	0.98	1.00	1.07
1,2,3,4,7,8-HxCDF	1.217	0.012	1.02 %	1.21	1.20	1.22	1.22	1.23
1,2,3,6,7,8-HxCDF	1.282	0.089	6.95 %	1.19	1.22	1.41	1.33	1.26
2,3,4,6,7,8-HxCDF	1.233	0.080	6.49 %	1.19	1.15	1.35	1.27	1.21
1,2,3,7,8,9-HxCDF	1.098	0.096	8.73 %	1.08	0.99	1.25	1.10	1.06
Total HxCDF	1.208	0.066	5.43 %	1.17	1.14	1.31	1.23	1.19
13C-1,2,3,6,7,8-HxCDD	0.831	0.055	6.68 %	0.84	0.83	0.92	0.77	0.79
1,2,3,4,7,8-HxCDD	1.037	0.122	11.8 %	0.90	0.99	0.97	1.17	1.16

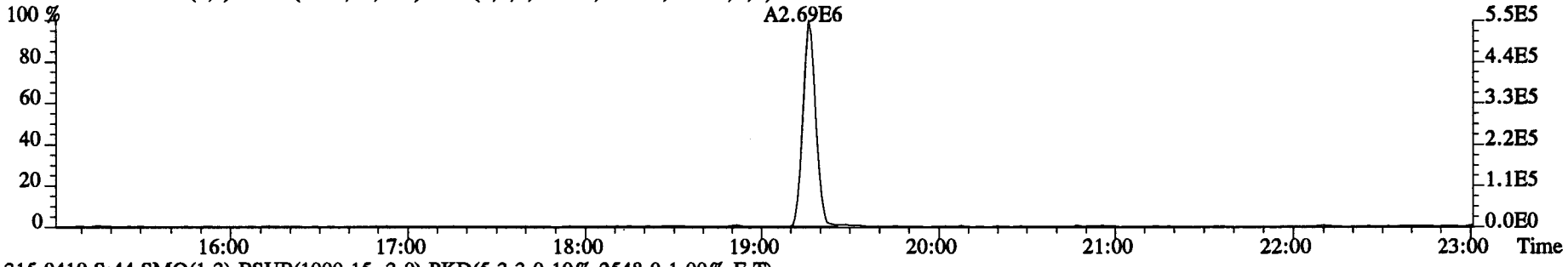
1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	1.35	1.38
1,2,3,4,7,8,9-HpCDF	1.093	0.049	4.49 %	1.01	1.09	1.11	1.13	1.13
Total HpCDF	1.220	0.037	3.05 %	1.16	1.21	1.23	1.24	1.26
13C-1,2,3,4,6,7,8-HpCDD	0.827	0.049	5.98 %	0.89	0.85	0.83	0.76	0.79
1,2,3,4,6,7,8-HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
Total HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
13C-OCDD	0.620	0.029	4.60 %	0.66	0.63	0.63	0.60	0.59
OCDF	1.370	0.027	1.98 %	1.36	1.35	1.35	1.39	1.41
OCDD	1.199	0.066	5.48 %	1.31	1.17	1.16	1.17	1.19

File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

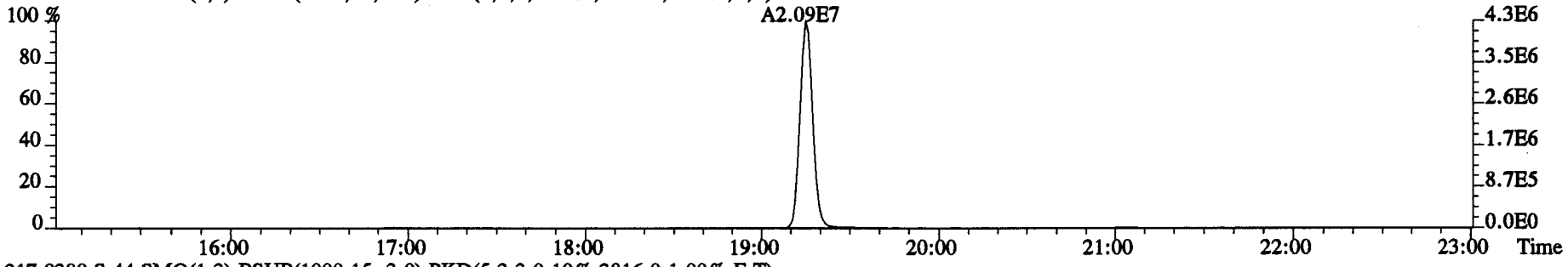
303.9016 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1412.0,1.00%,F,T)



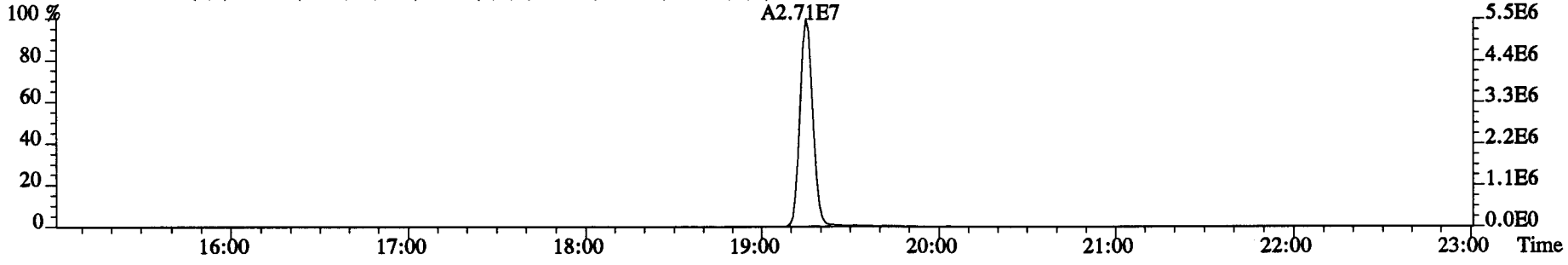
305.8987 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2076.0,1.00%,F,T)



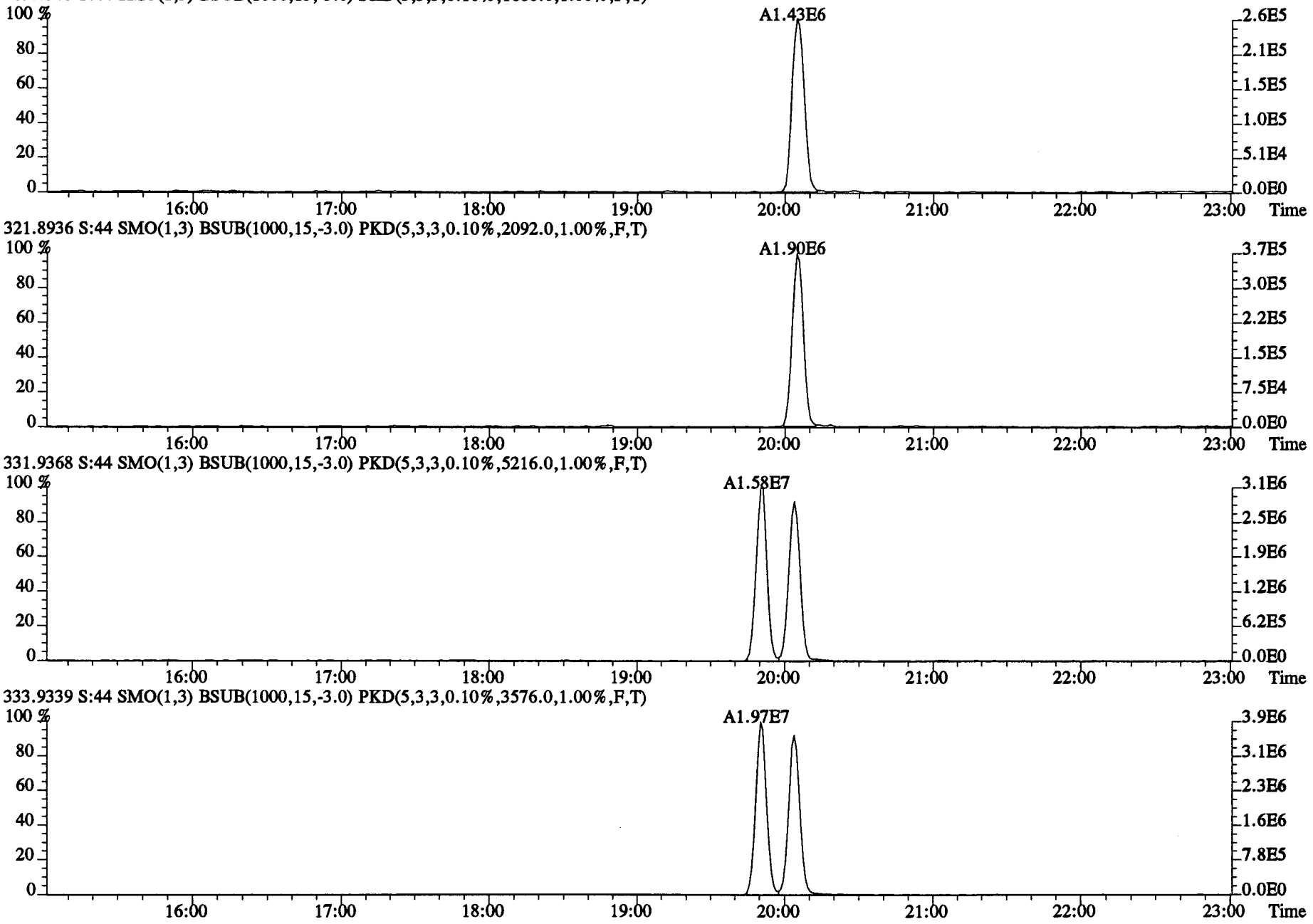
315.9419 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2548.0,1.00%,F,T)



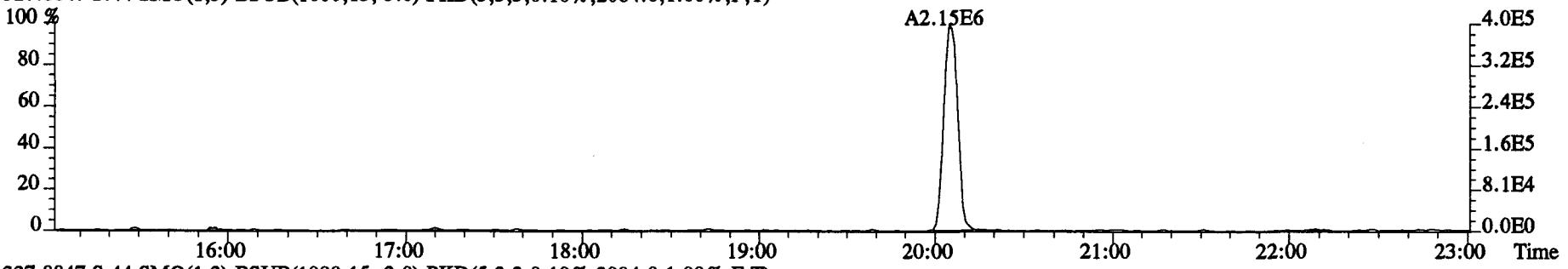
317.9389 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3816.0,1.00%,F,T)



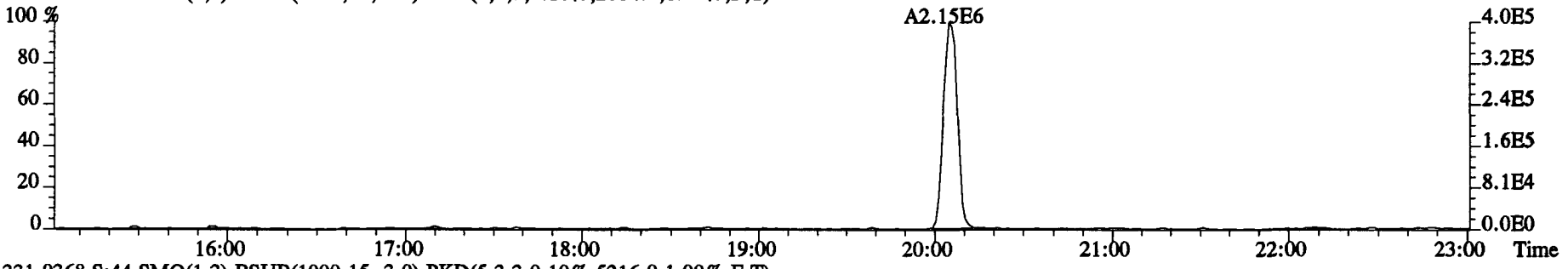
File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



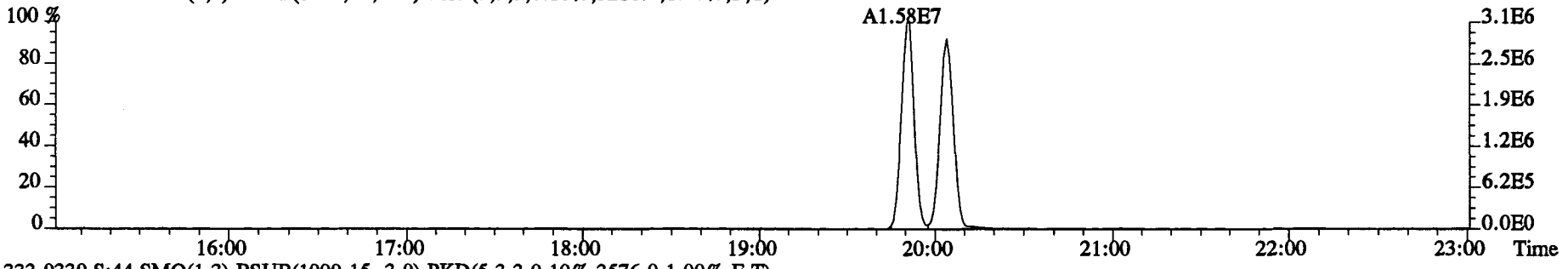
File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
327.8847 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



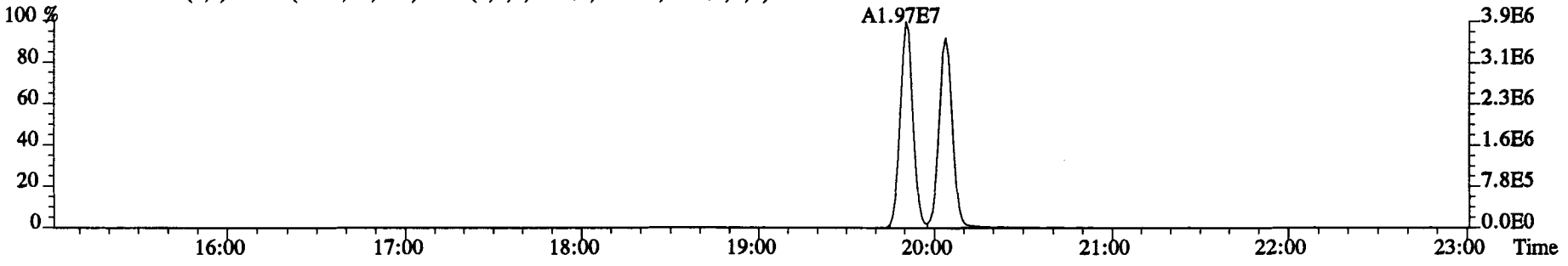
327.8847 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



331.9368 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5216.0,1.00%,F,T)

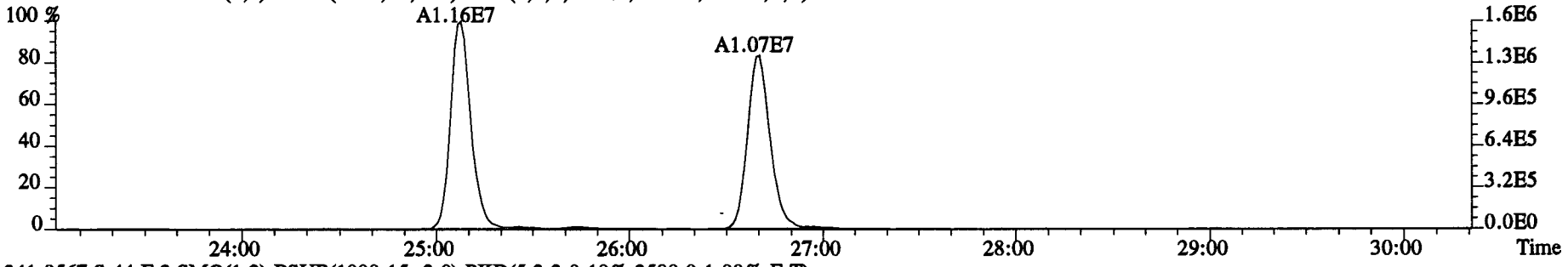


333.9339 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)

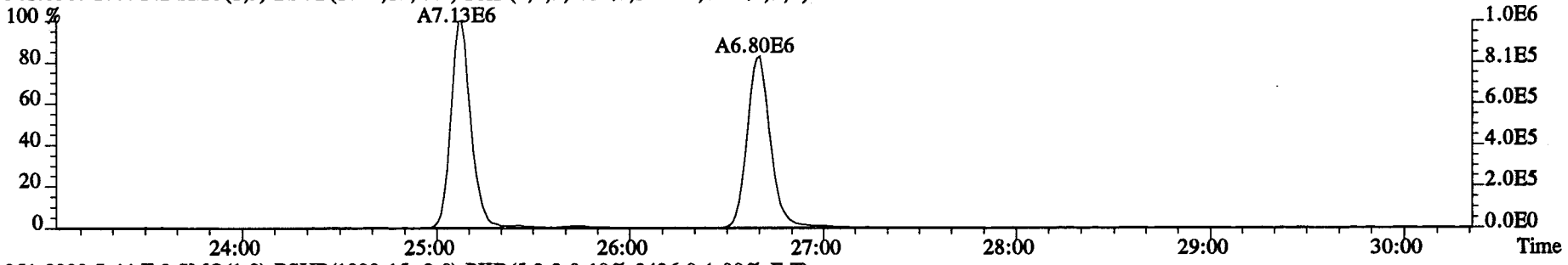


File:30AU104D5 #1-470 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

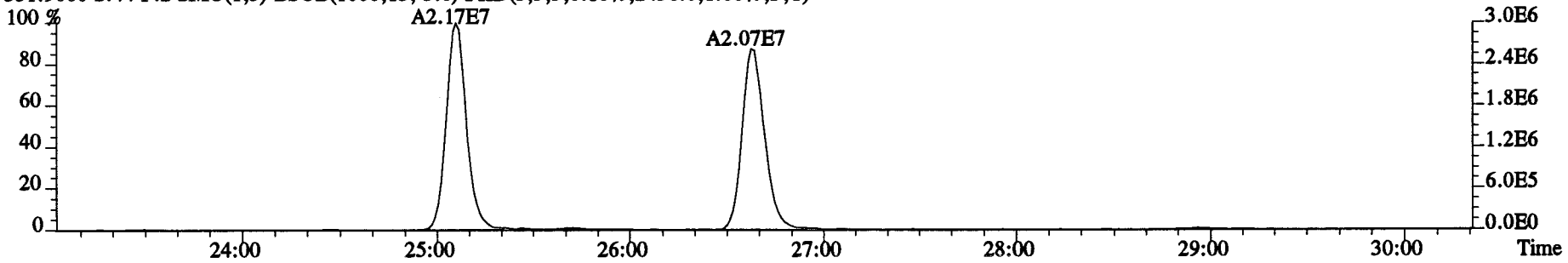
339.8597 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1152.0,1.00%,F,T)



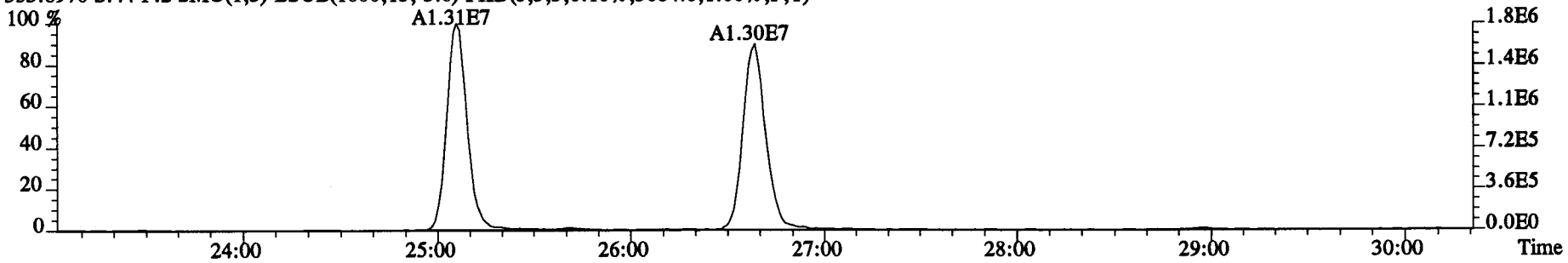
341.8567 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2580.0,1.00%,F,T)



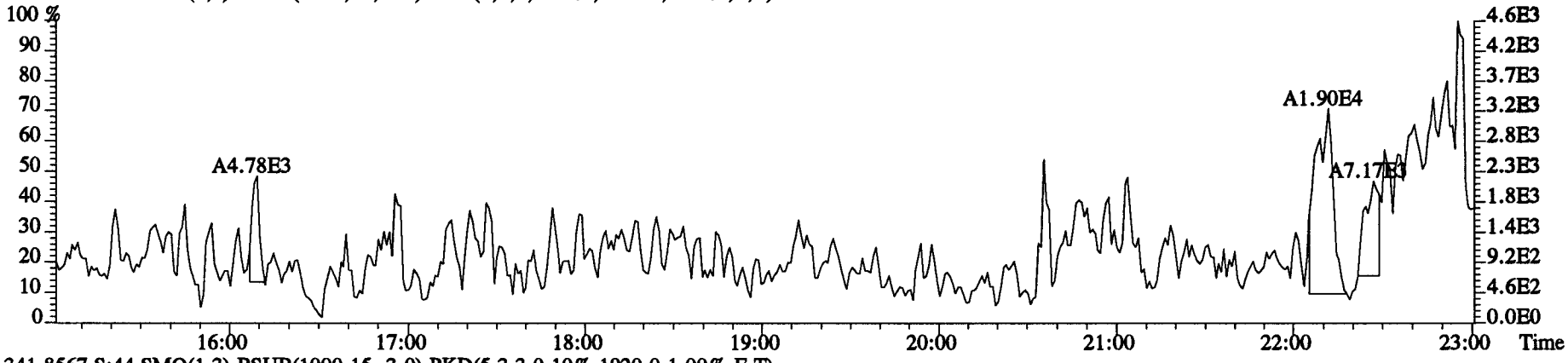
351.9000 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2436.0,1.00%,F,T)



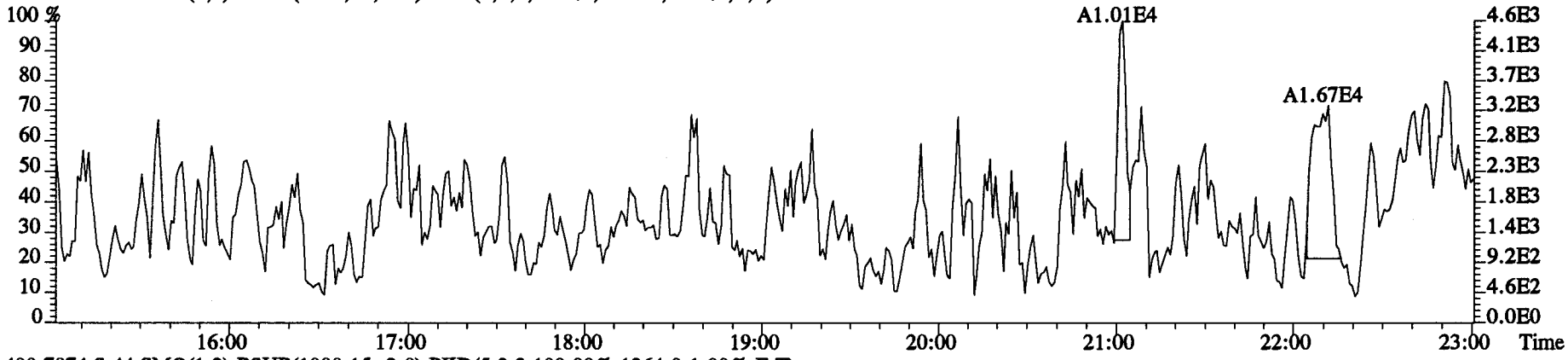
353.8970 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3084.0,1.00%,F,T)



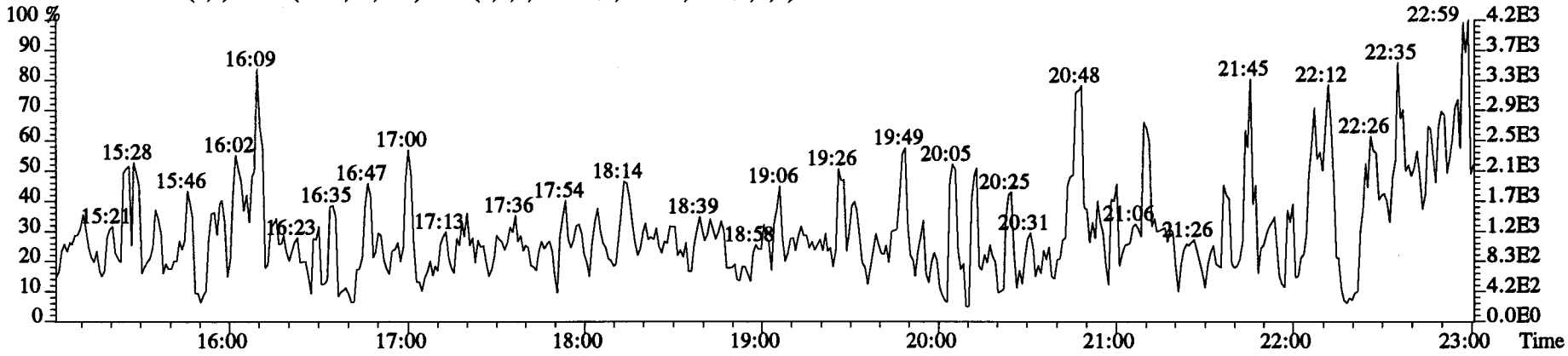
File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
339.8597 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1172.0,1.00%,F,T)



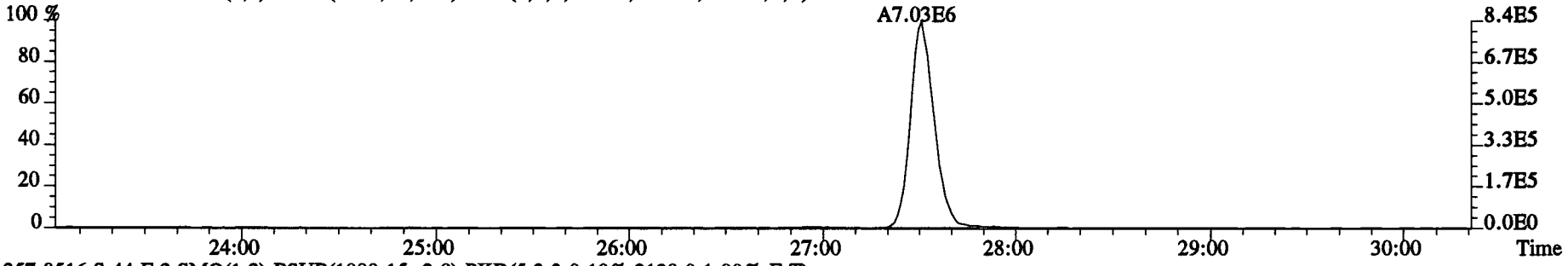
341.8567 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1920.0,1.00%,F,T)



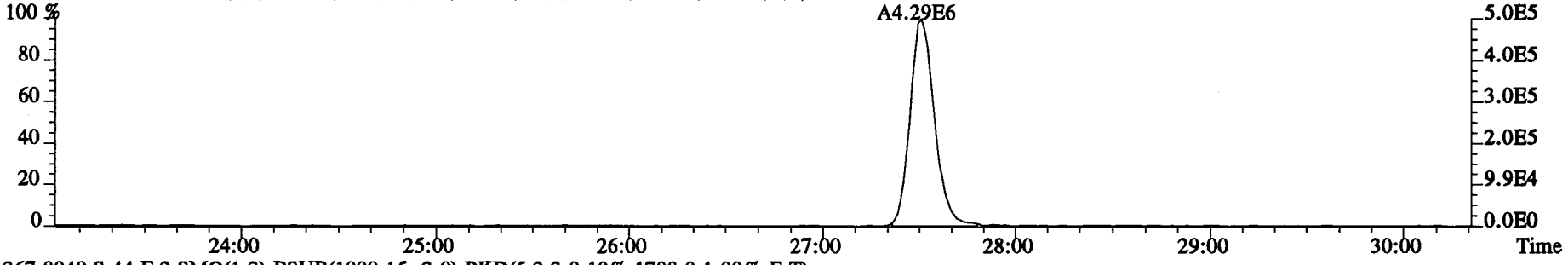
409.7974 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364.0,1.00%,F,T)



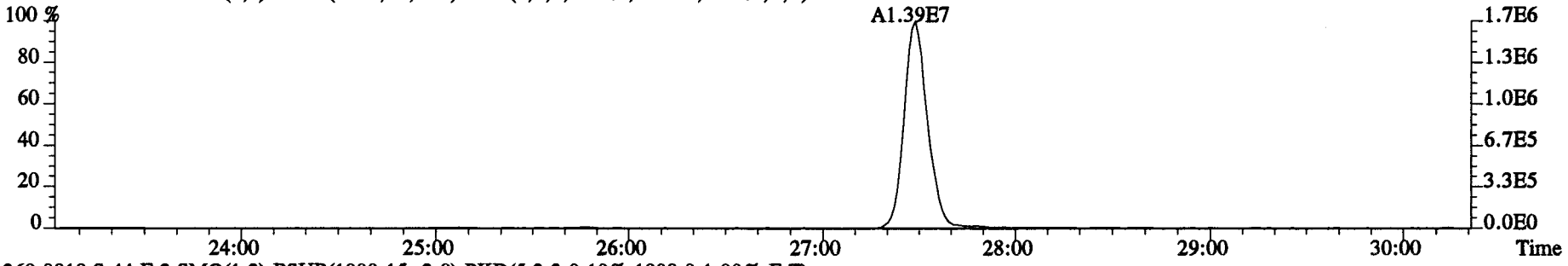
File:30AU104D5 #1-470 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
355.8546 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



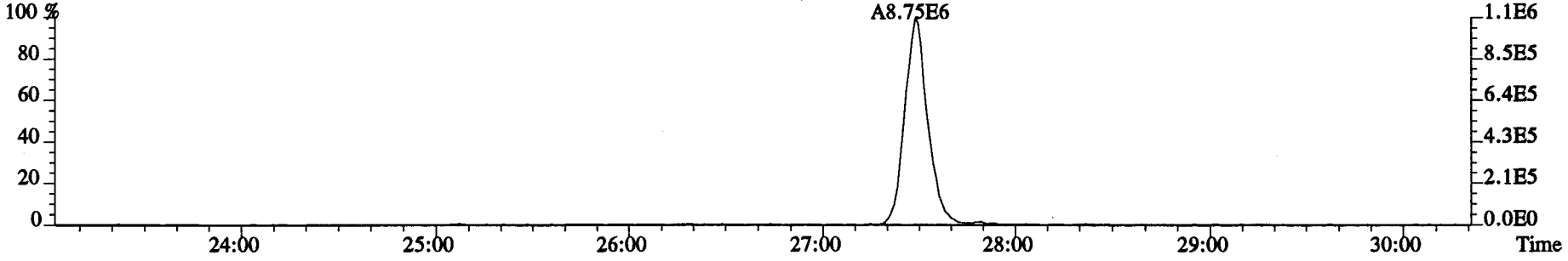
357.8516 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2128.0,1.00%,F,T)



367.8949 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)

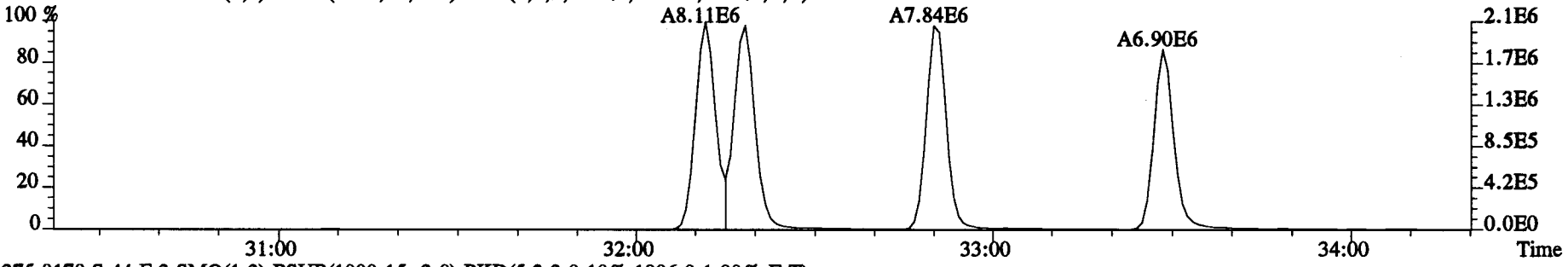


369.8919 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1908.0,1.00%,F,T)

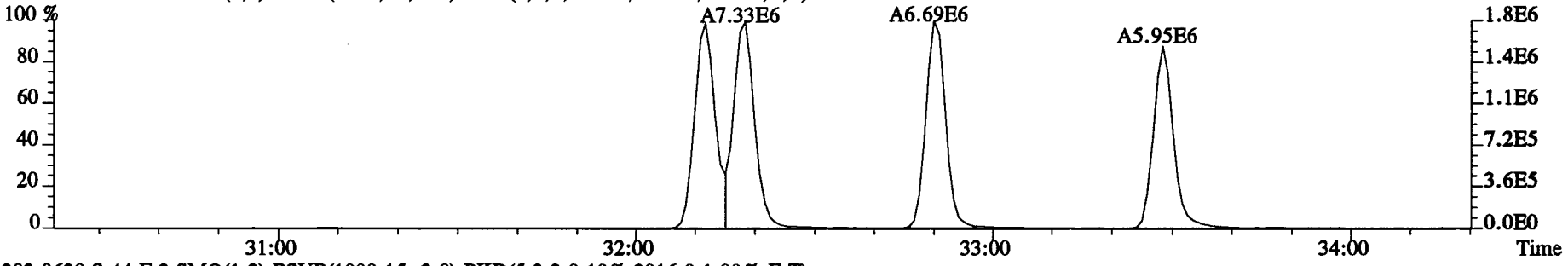


File:30AU104D5 #1-286 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

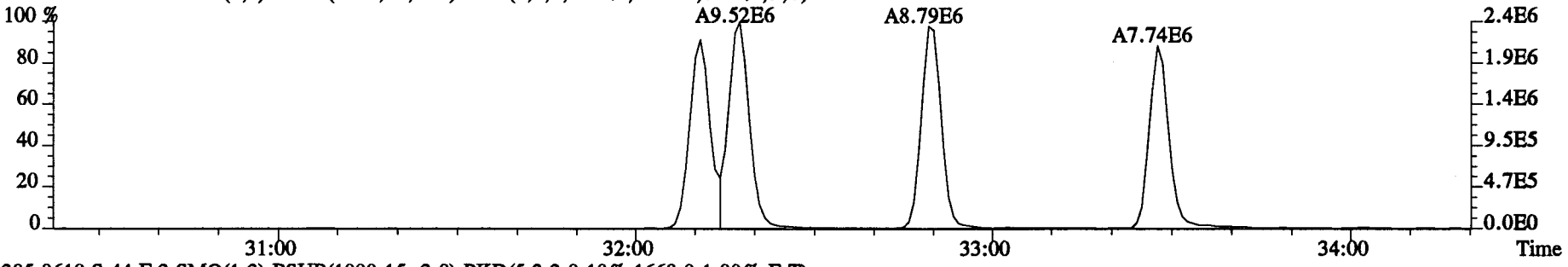
373.8208 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3048.0,1.00%,F,T)



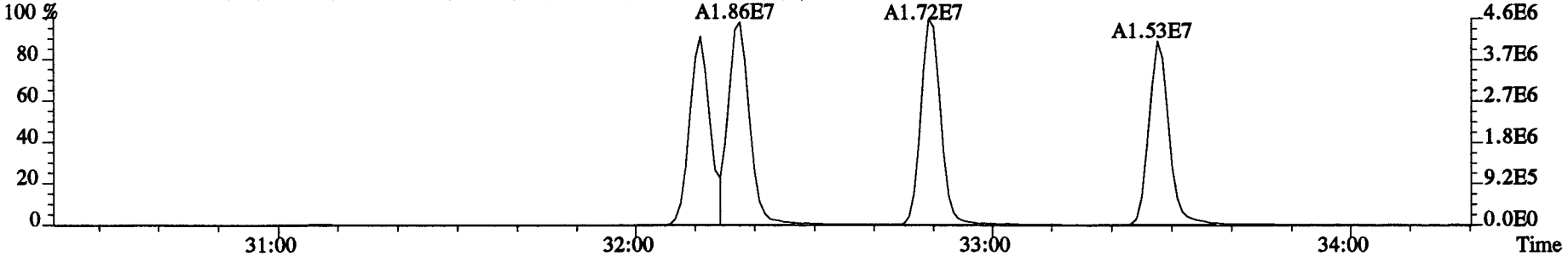
375.8178 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)



383.8639 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2016.0,1.00%,F,T)

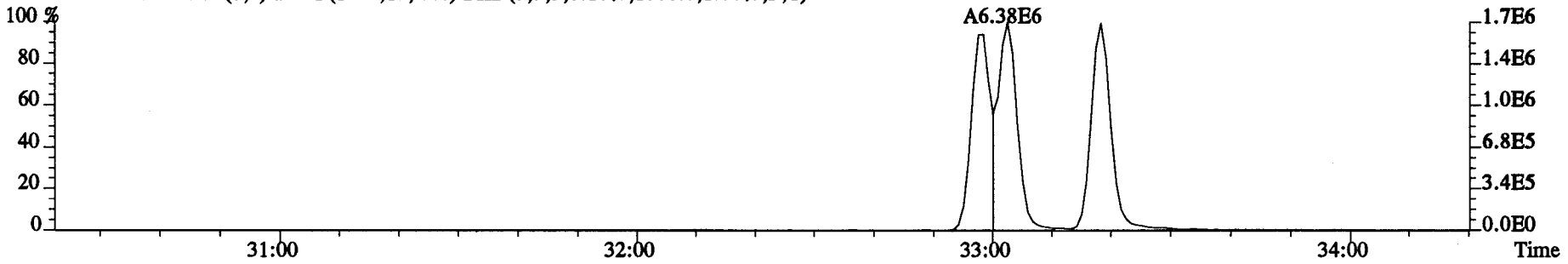


385.8610 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1668.0,1.00%,F,T)

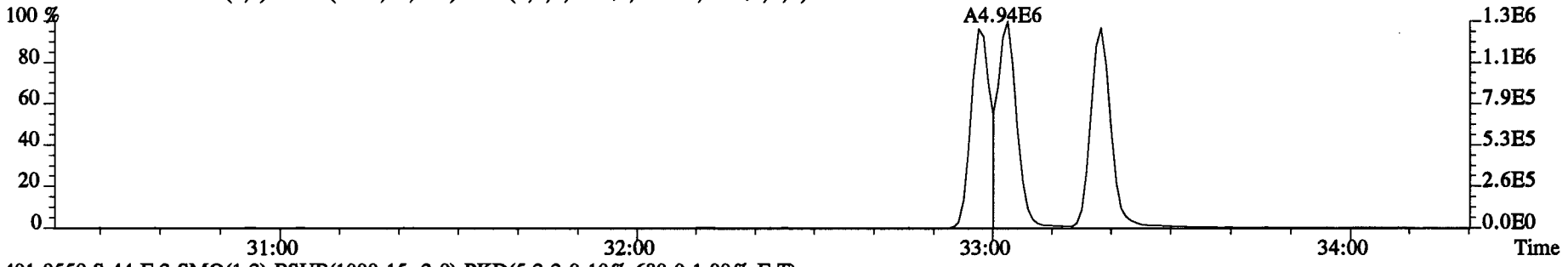


File:30AU104D5 #1-286 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

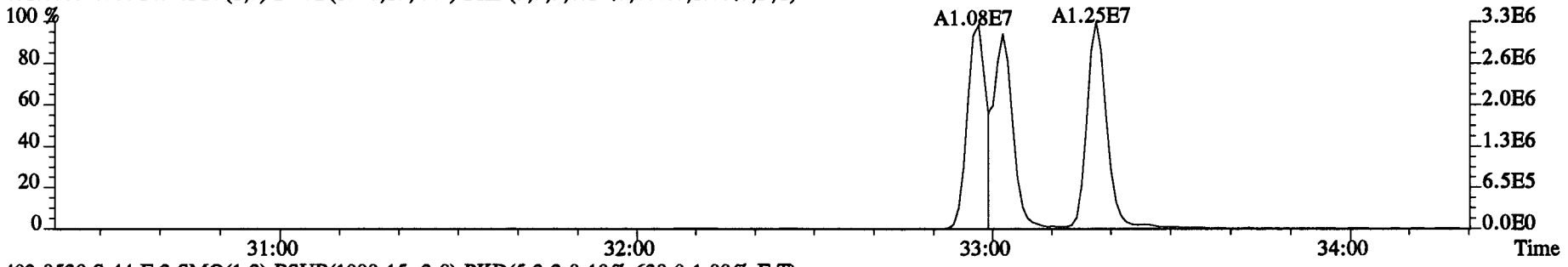
389.8157 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



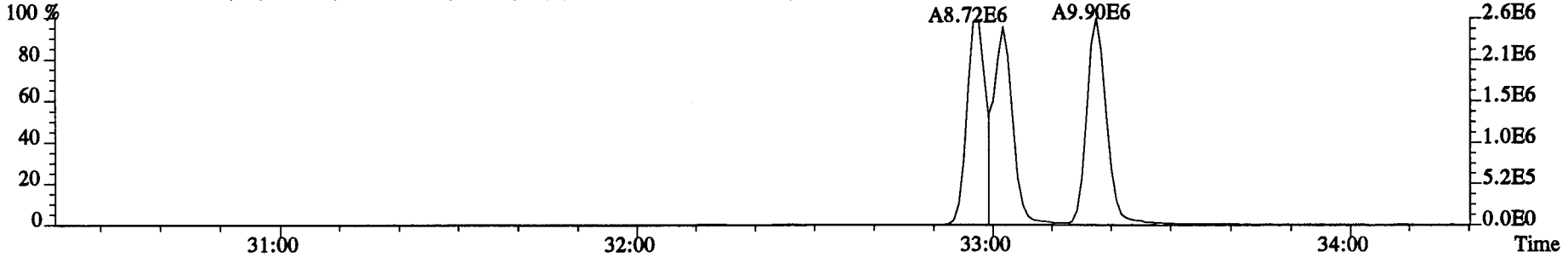
391.8127 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1600.0,1.00%,F,T)



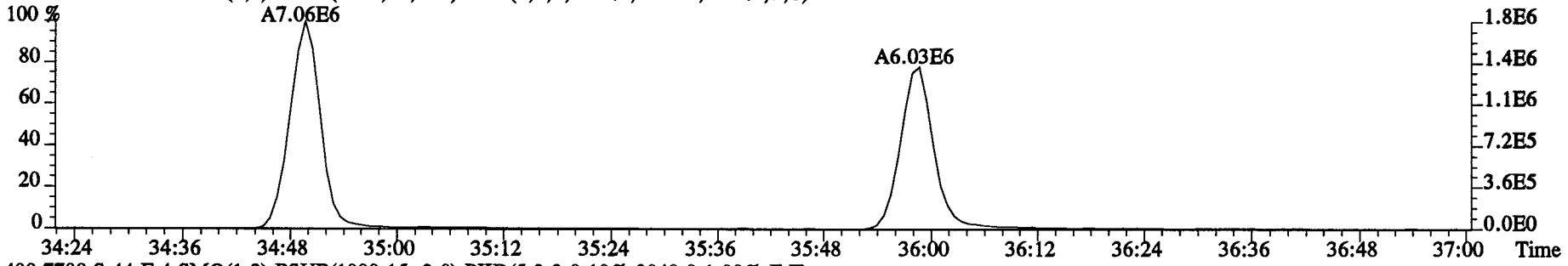
401.8559 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)

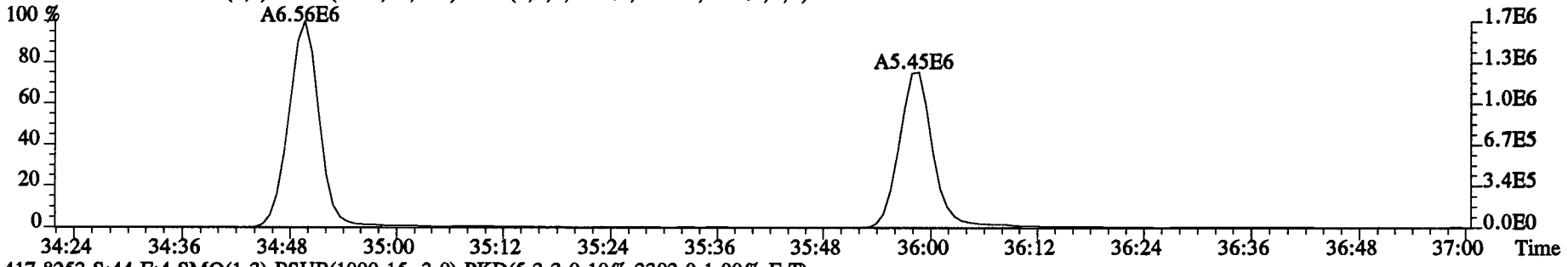


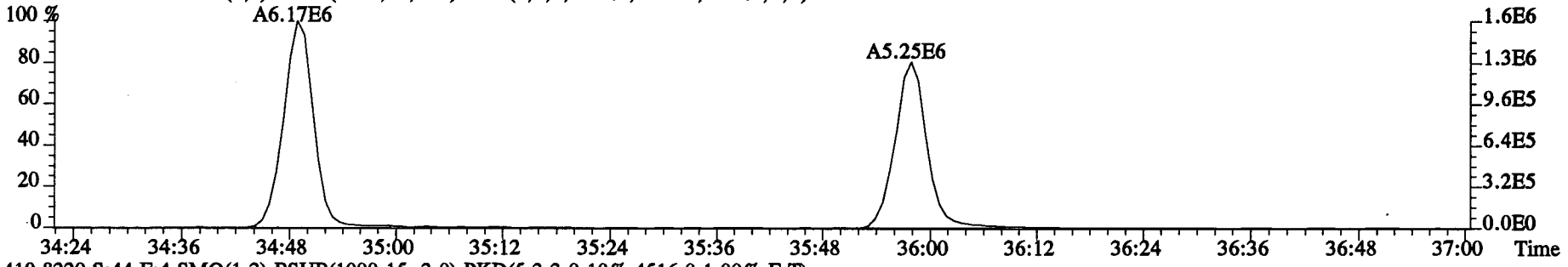
403.8529 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628.0,1.00%,F,T)

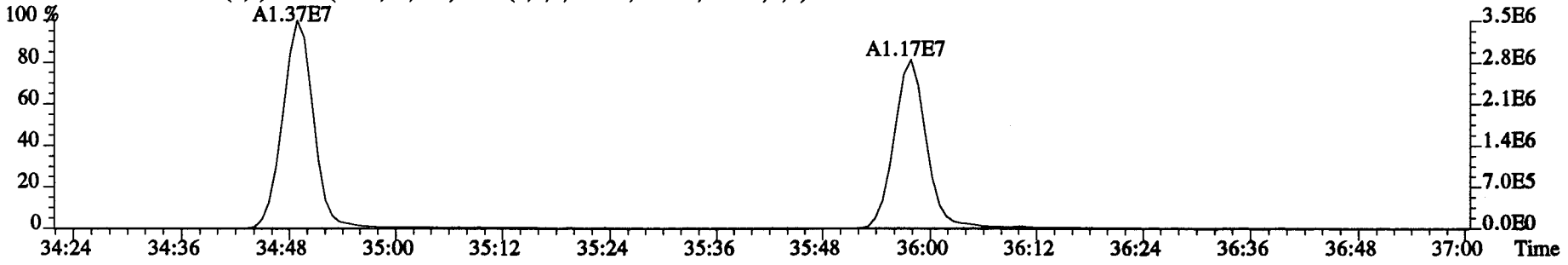


File:30AU104D5 #1-201 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

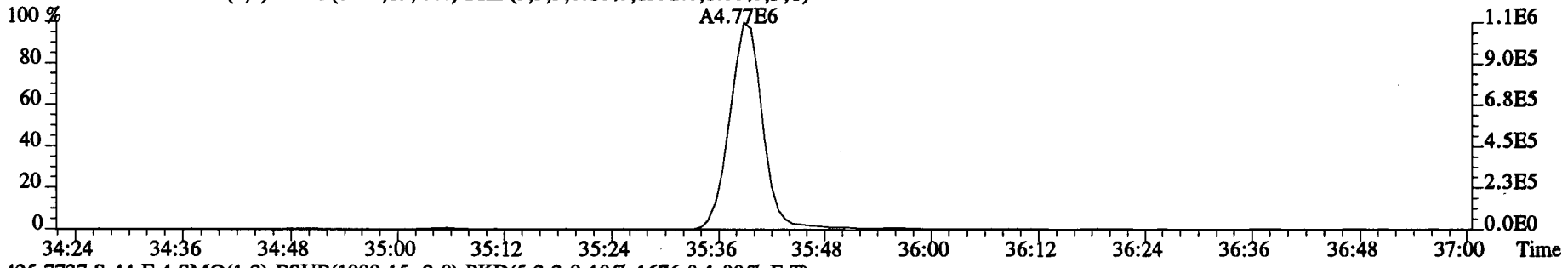




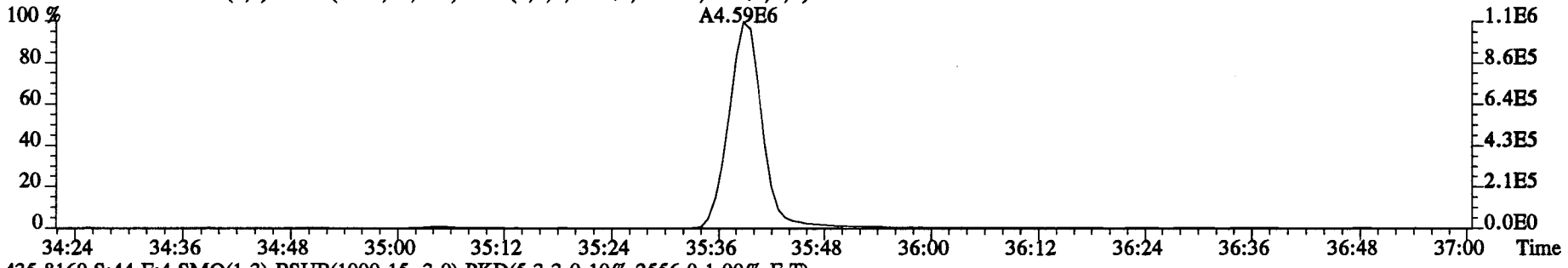




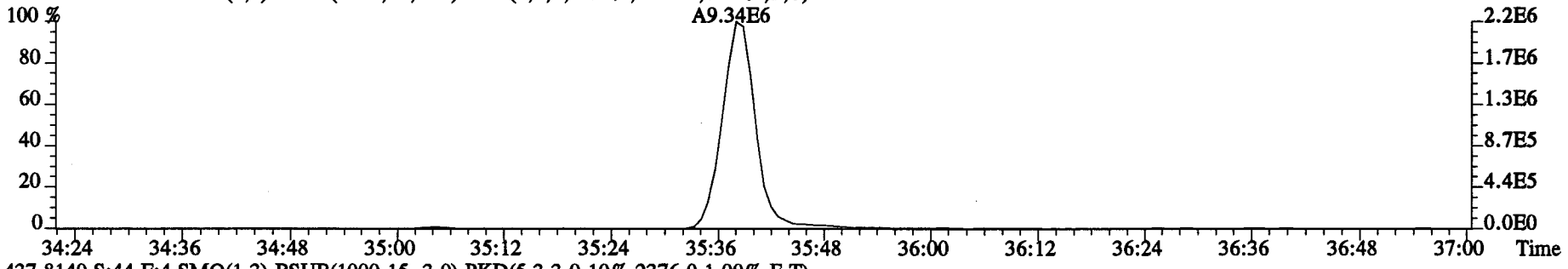
File:30AU104D5 #1-201 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
423.7766 S:44 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1392.0,1.00%,F,T)



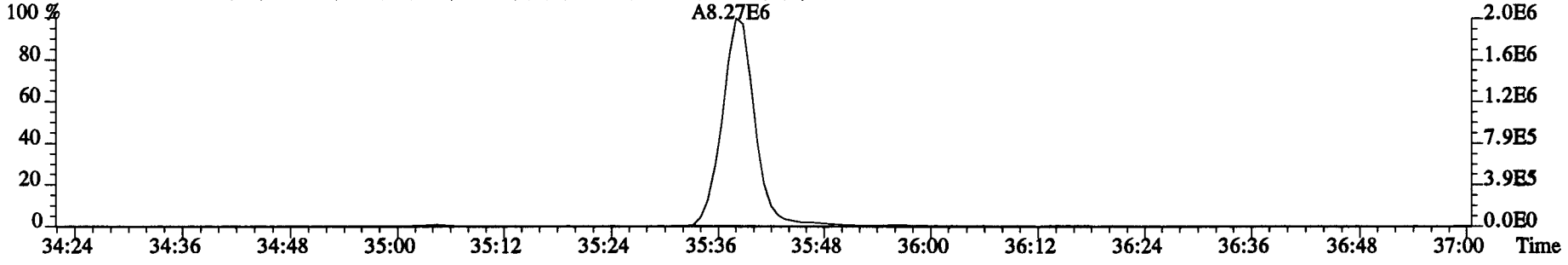
425.7737 S:44 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1676.0,1.00%,F,T)



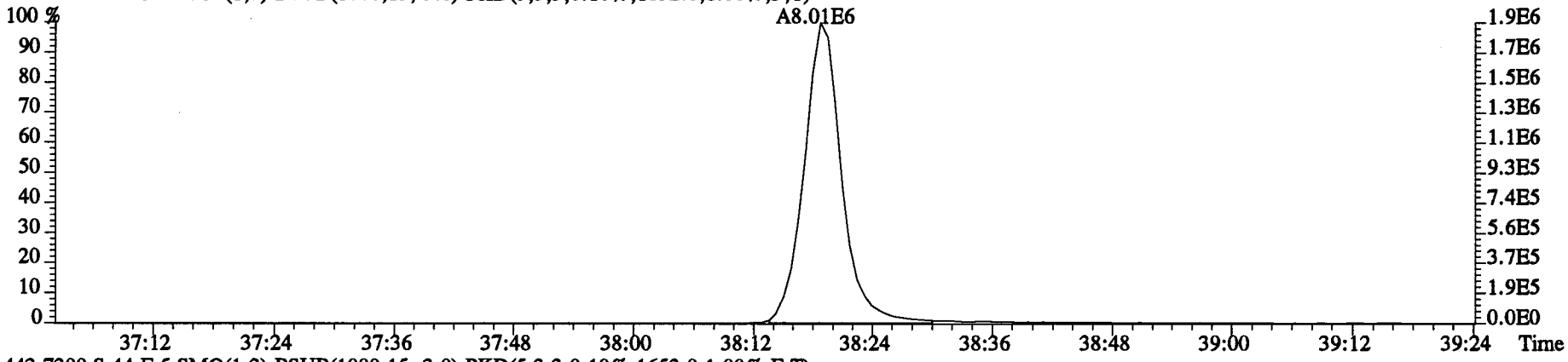
435.8169 S:44 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556.0,1.00%,F,T)



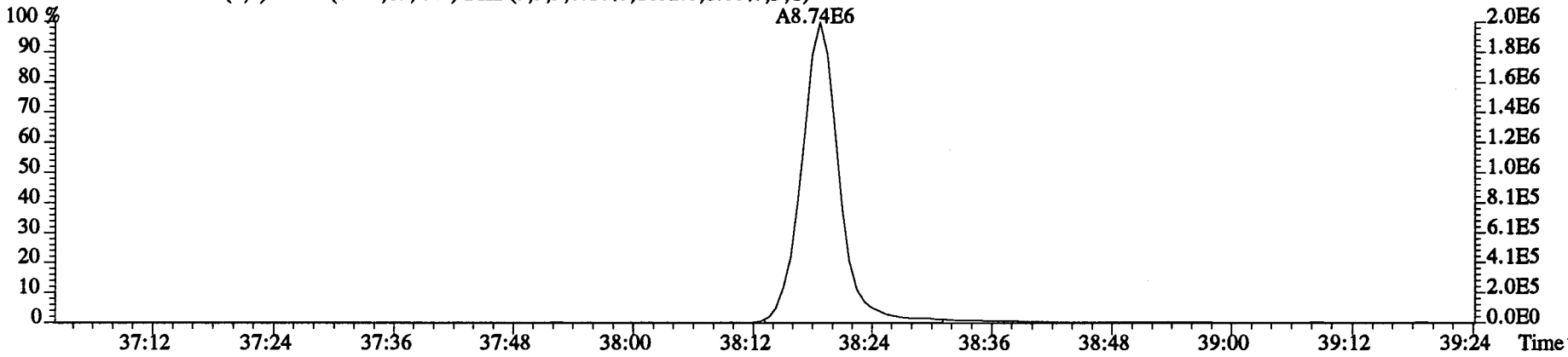
437.8140 S:44 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2376.0,1.00%,F,T)



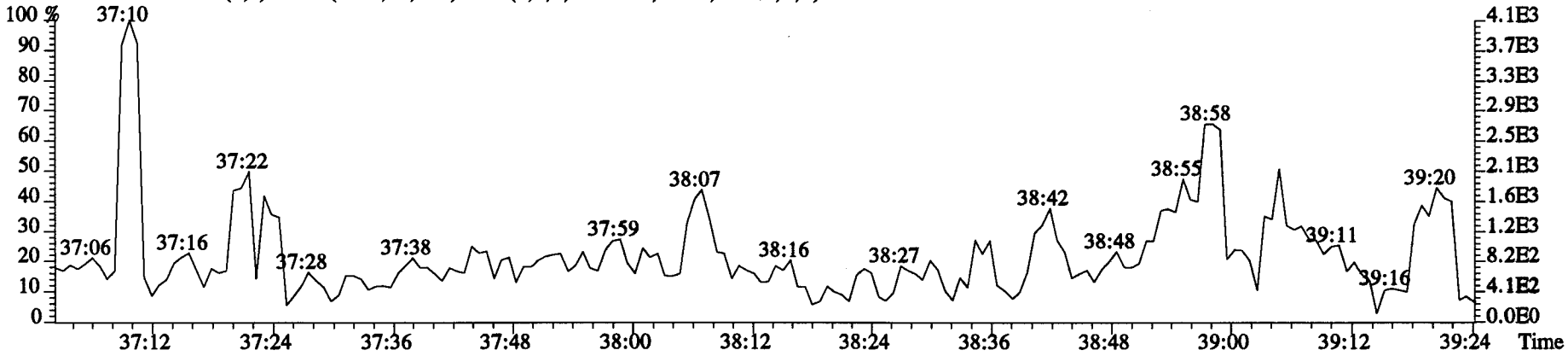
File:30AU104D5 #1-192 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
441.7428 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1832.0,1.00%,F,T)



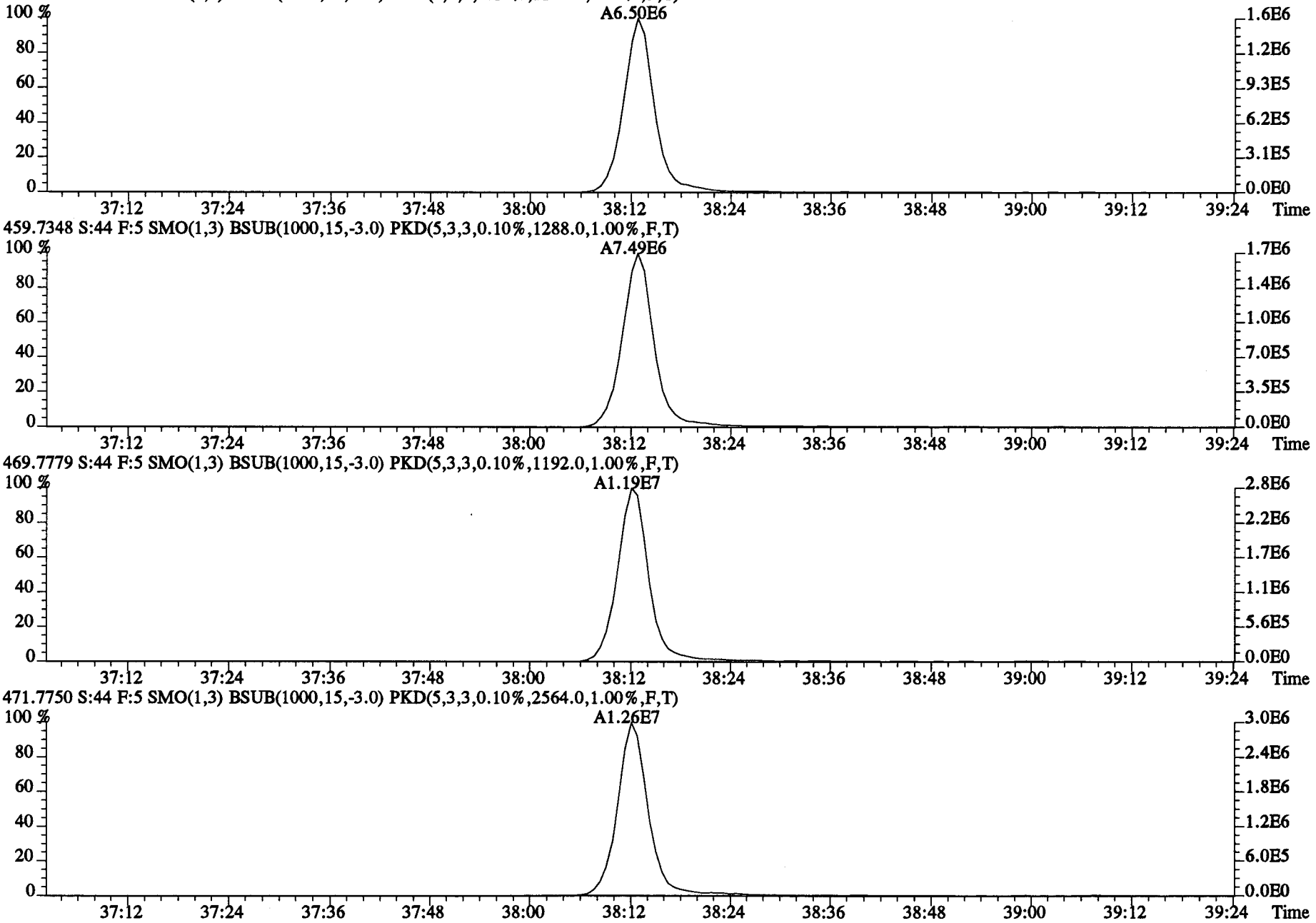
443.7399 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



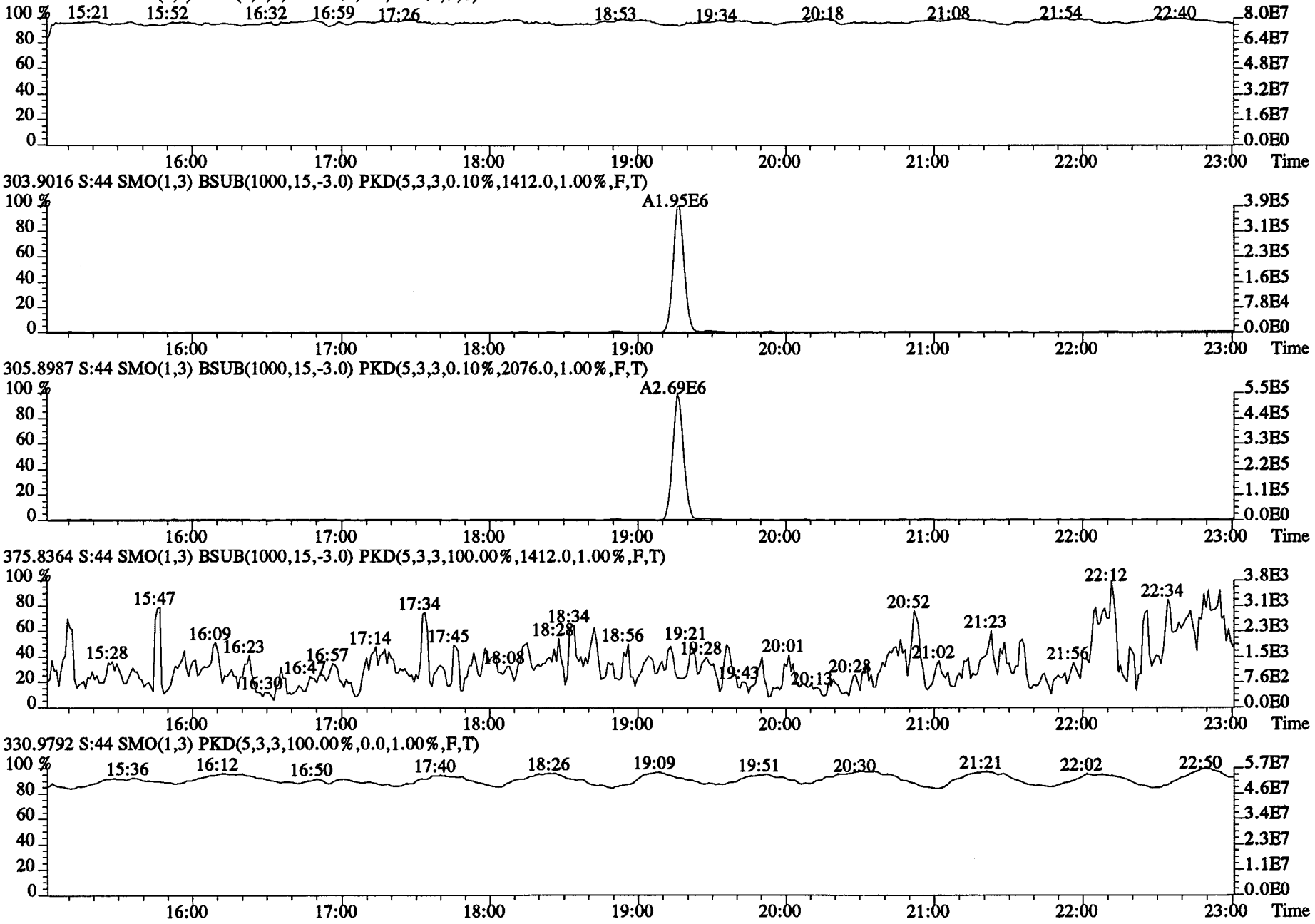
513.6775 S:44 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,916.0,1.00%,F,T)



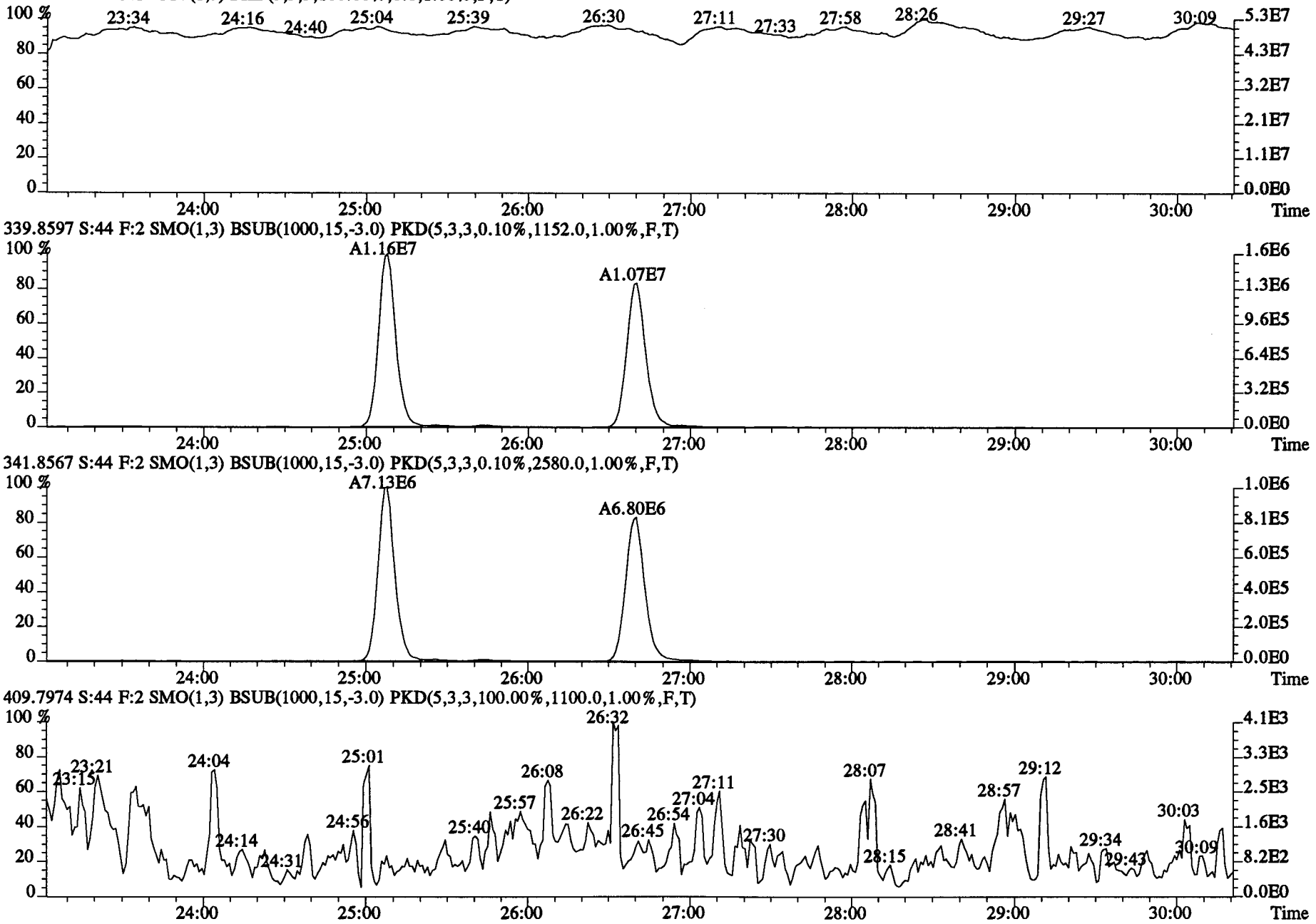
File:30AU104D5 #1-192 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



File:30AU104D5 #1-530 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

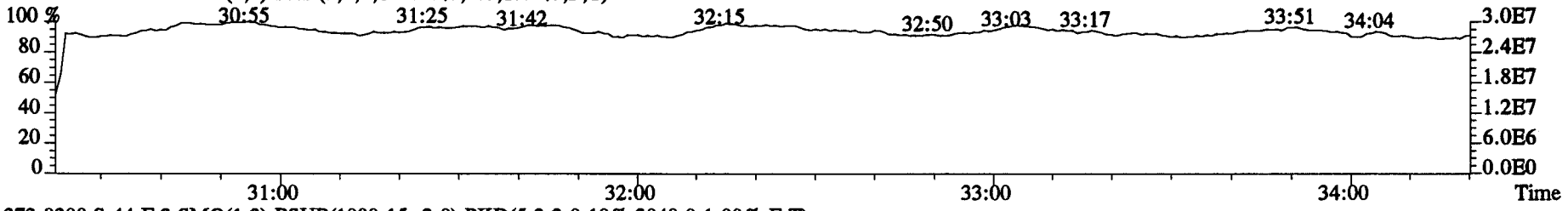


File:30AU104D5 #1-470 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

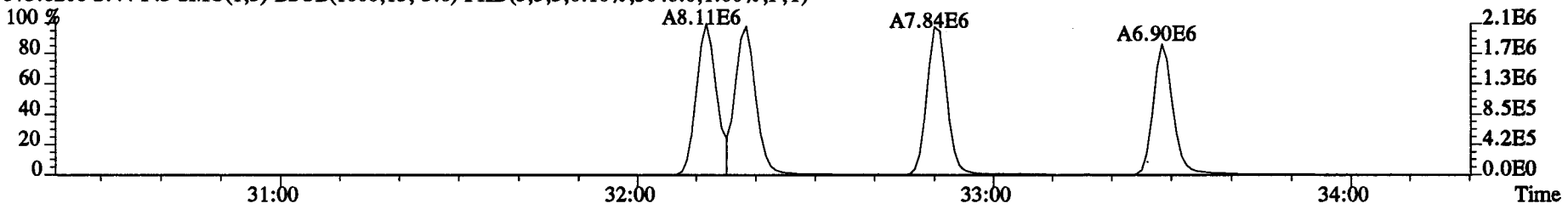


File:30AU104D5 #1-286 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES

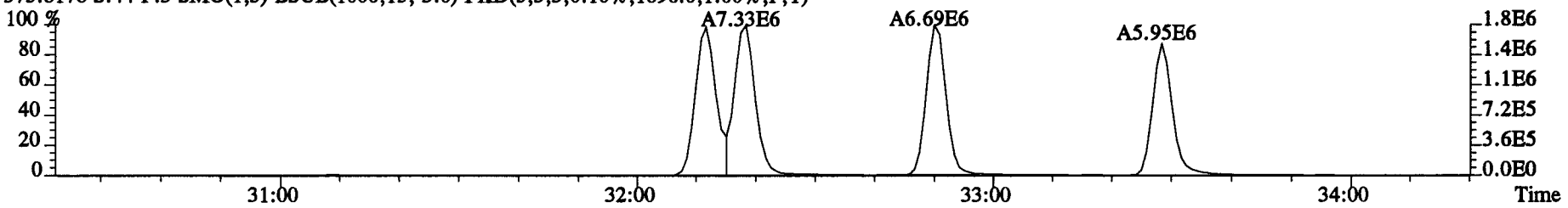
392.9760 S:44 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



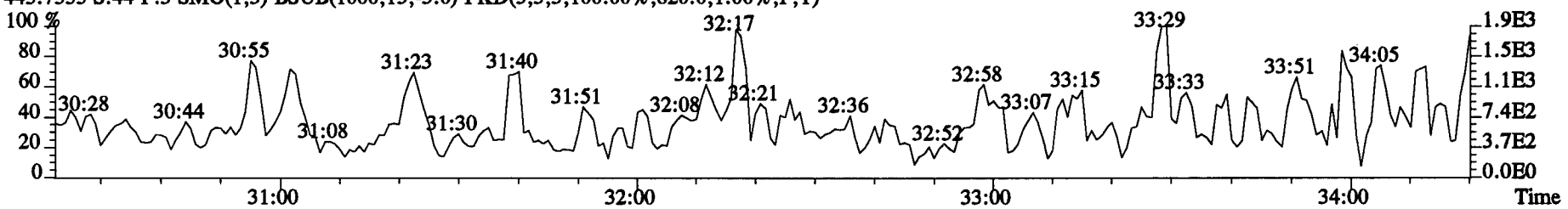
373.8208 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3048.0,1.00%,F,T)



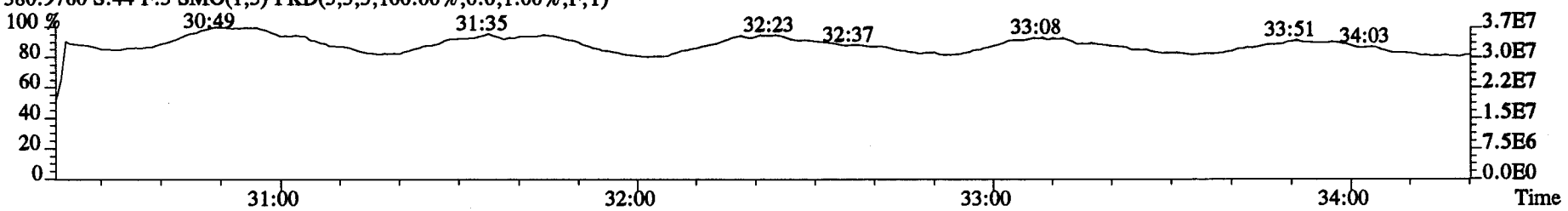
375.8178 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1896.0,1.00%,F,T)



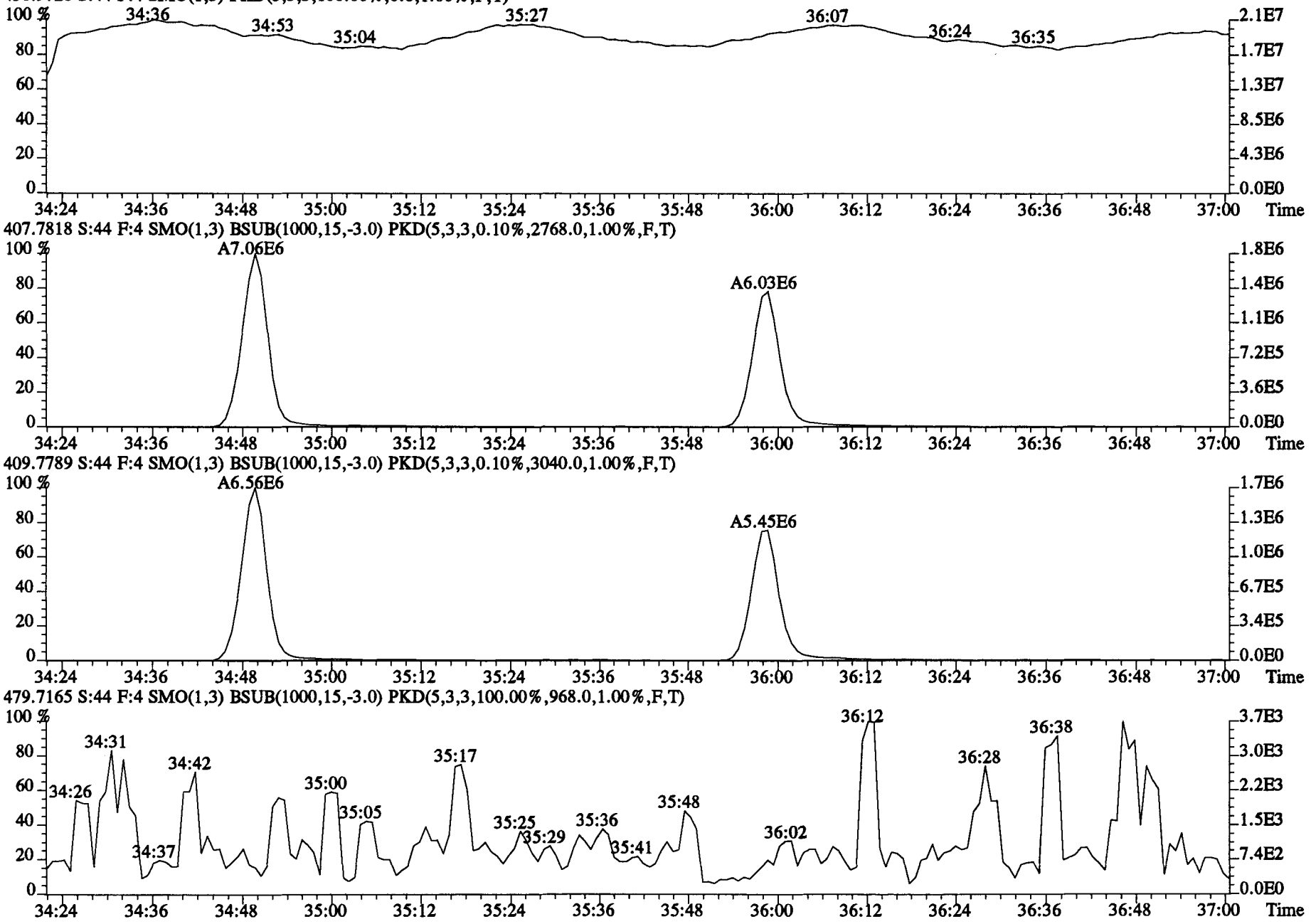
445.7555 S:44 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,820.0,1.00%,F,T)



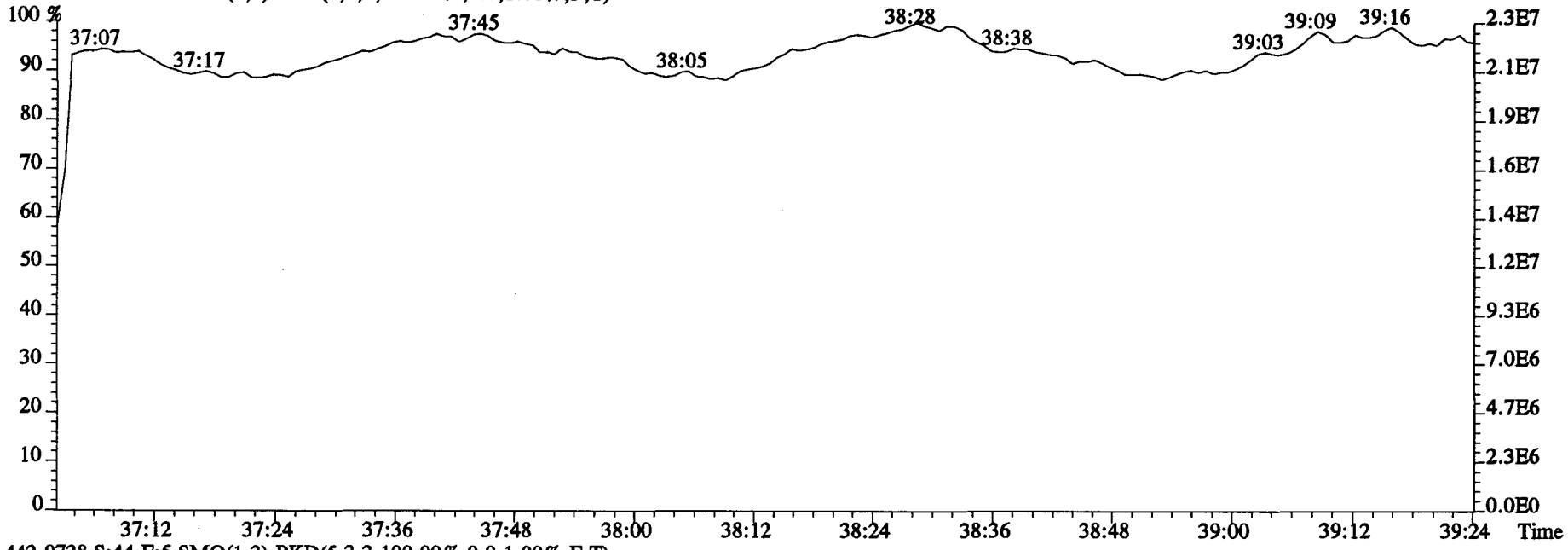
380.9760 S:44 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



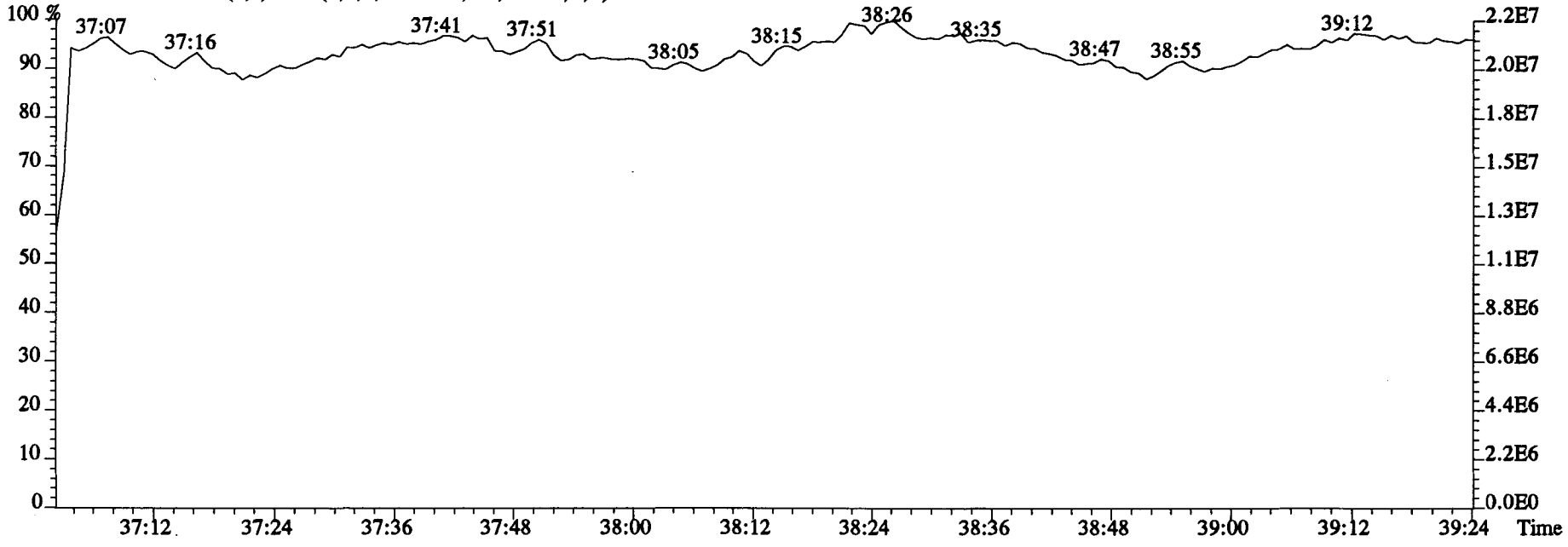
File:30AU104D5 #1-201 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES



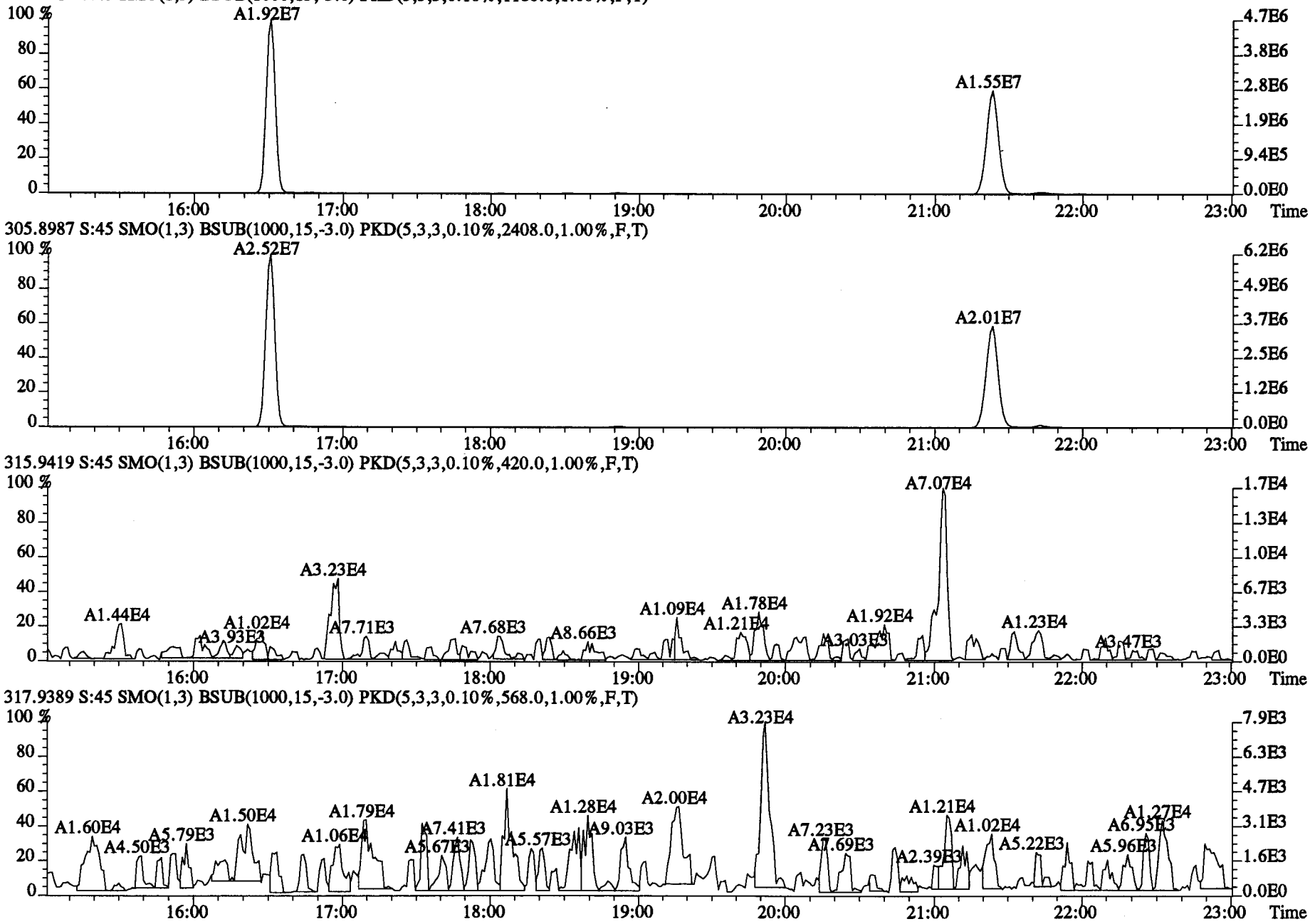
File:30AU104D5 #1-192 Acq:31-AUG-2010 17:41:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#44 Text:ST0830C :CS3 10DXN336 Exp:DIOXINRES
454.9728 S:44 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



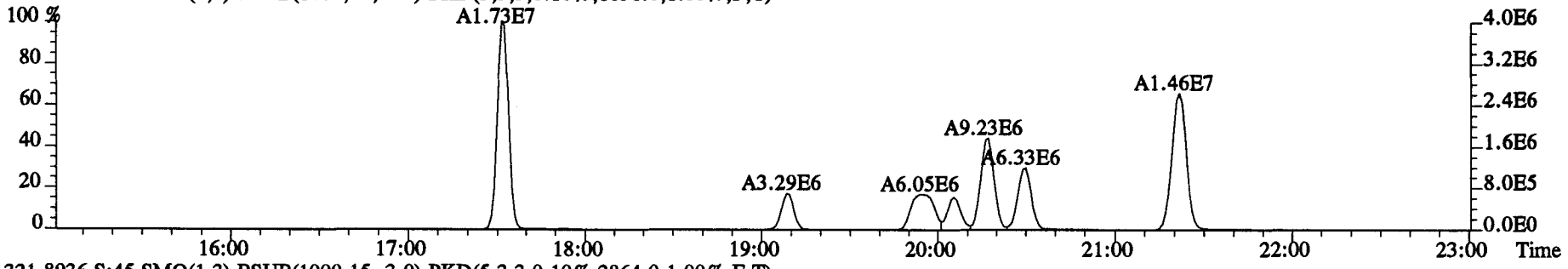
442.9728 S:44 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

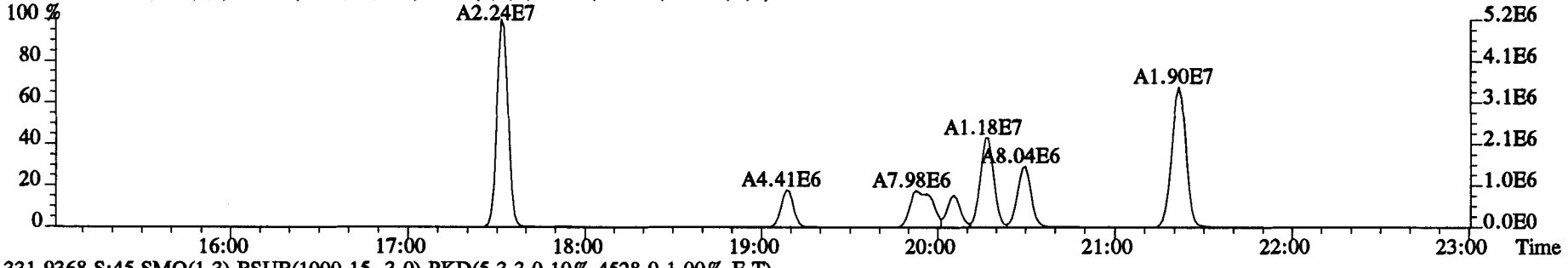


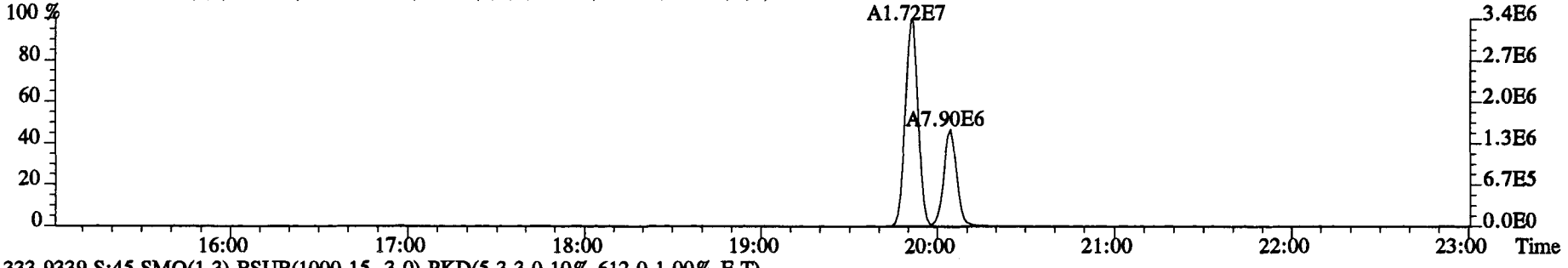
File:30AU104D5 #1-530 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

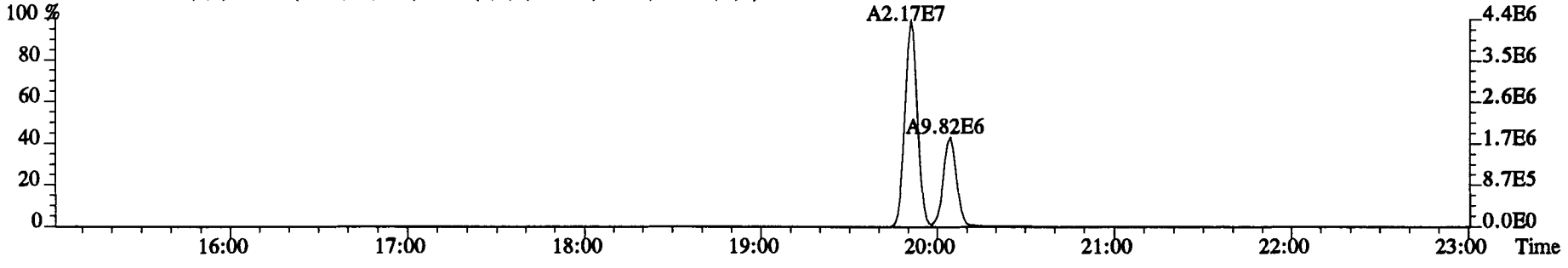


File:30AU104D5 #1-530 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

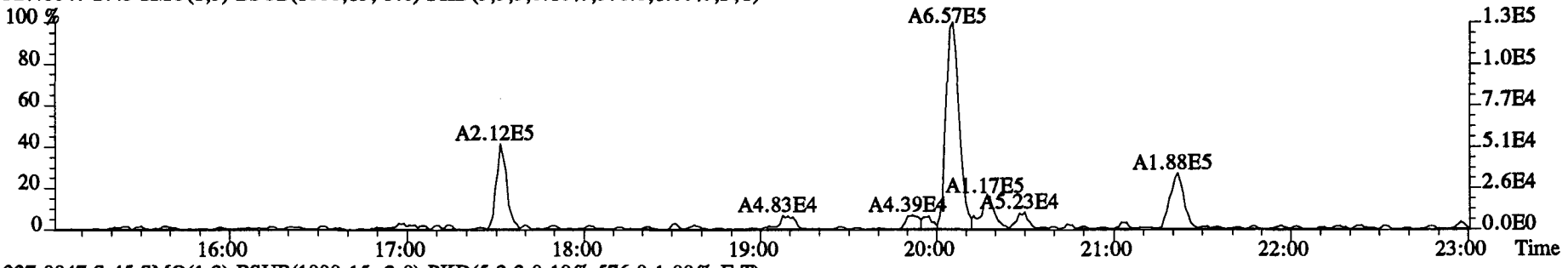


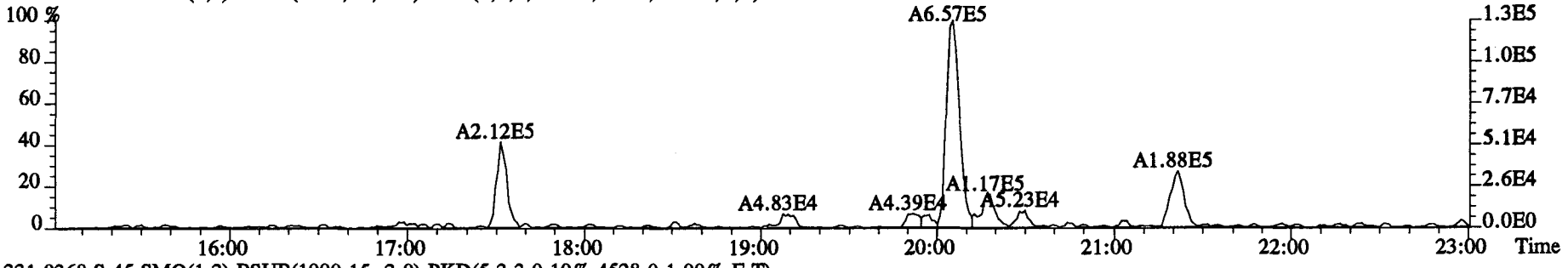


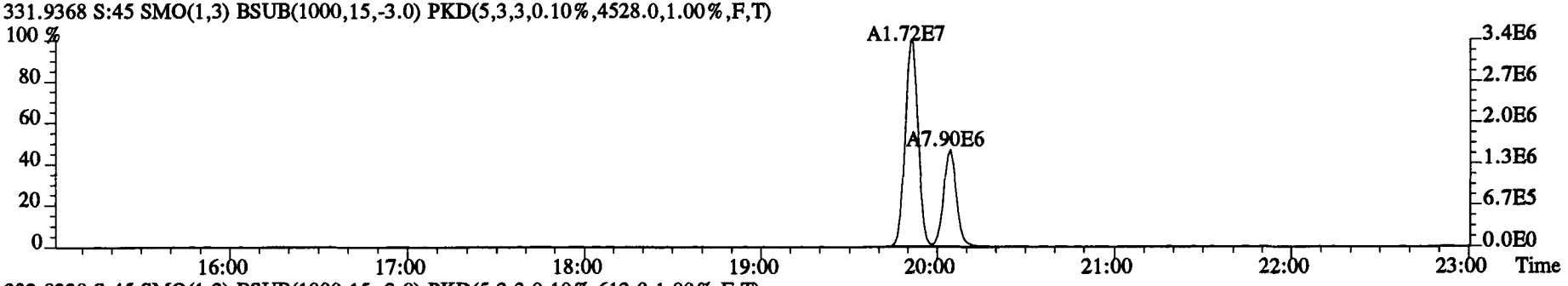


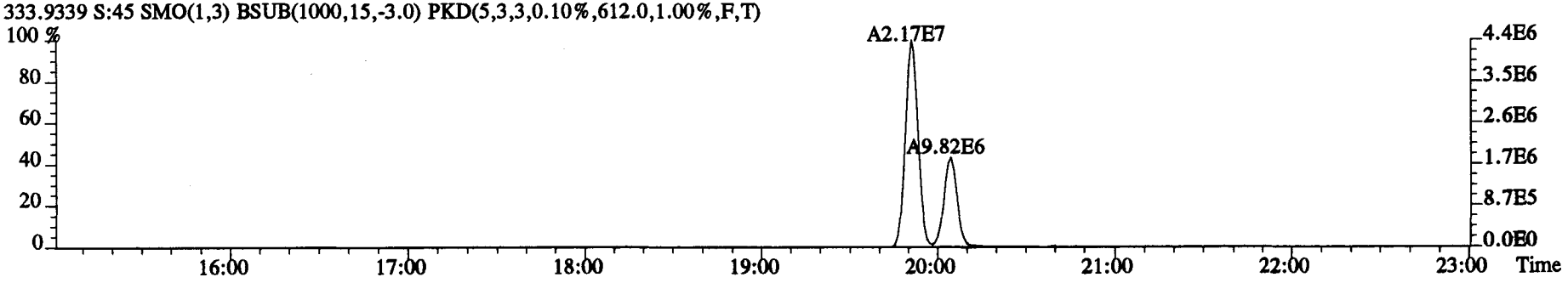


File:30AU104D5 #1-530 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES



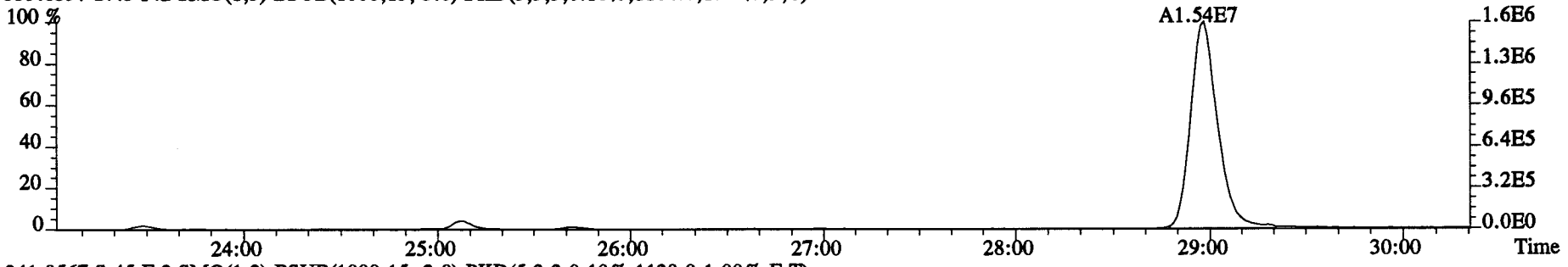




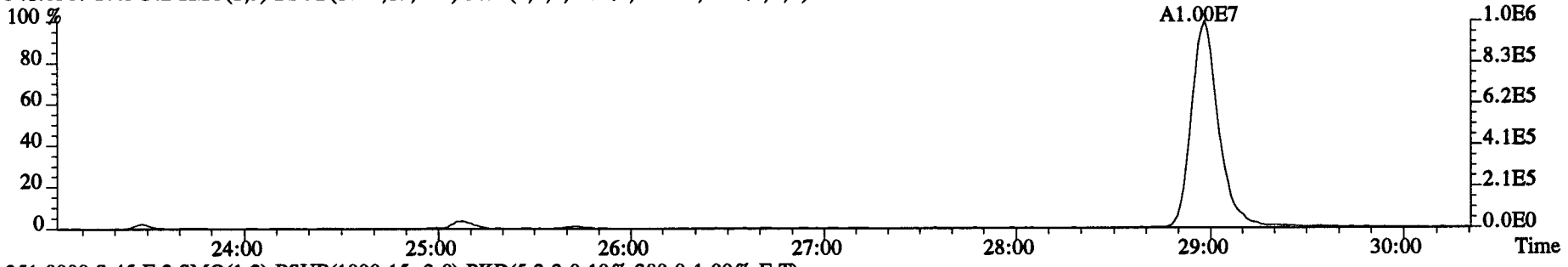


File:30AU104D5 #1-470 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

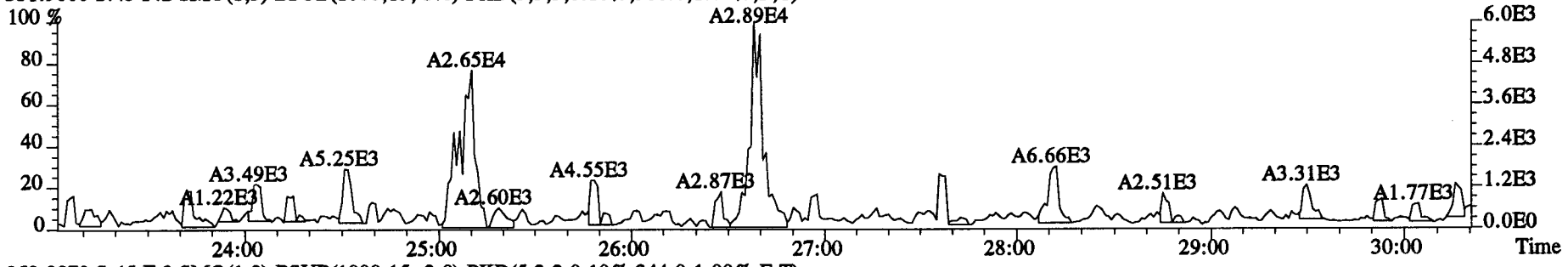
339.8597 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



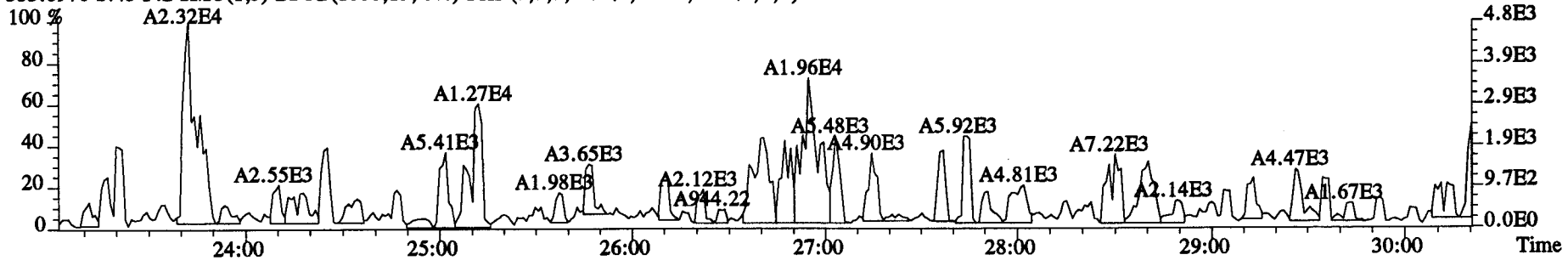
341.8567 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



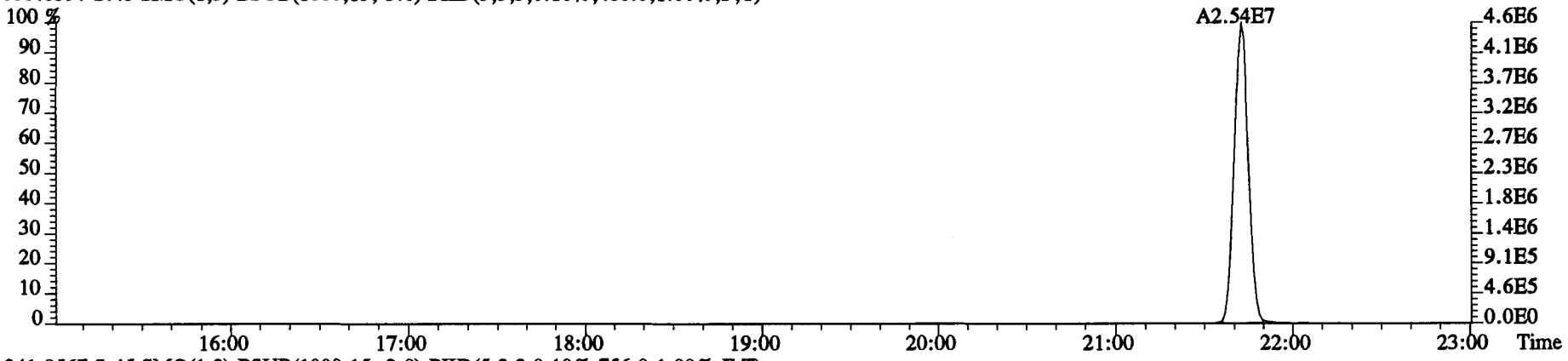
351.9000 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,380.0,1.00%,F,T)



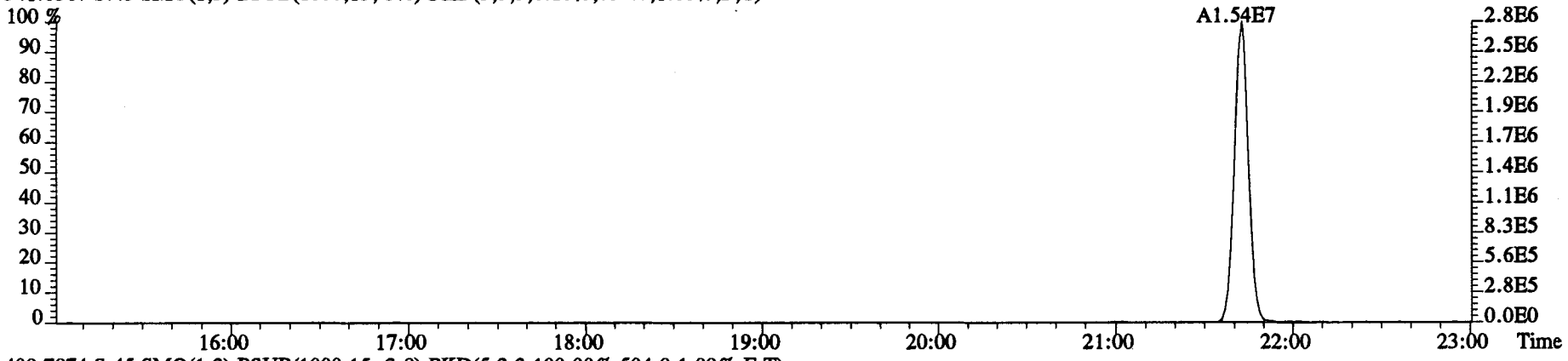
353.8970 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,344.0,1.00%,F,T)



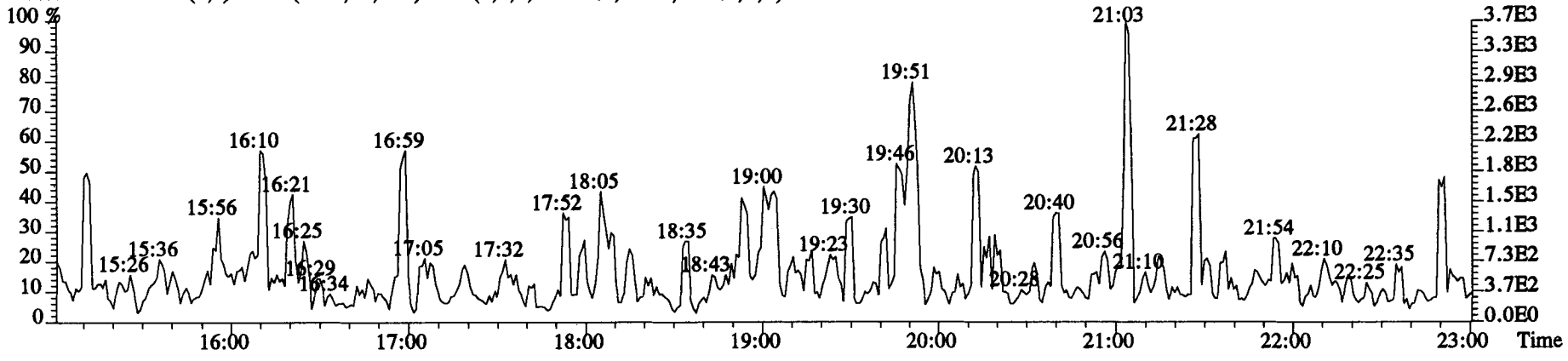
File:30AU104D5 #1-530 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,460.0,1.00%,F,T)



341.8567 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,756.0,1.00%,F,T)

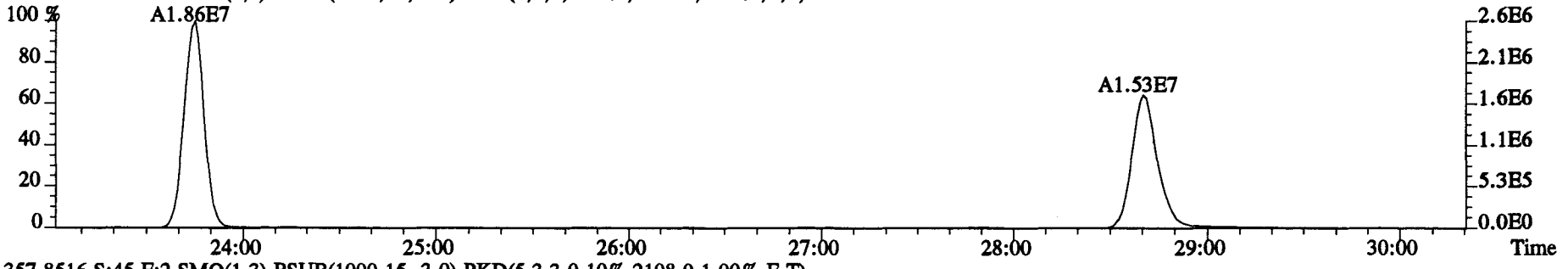


409.7974 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,504.0,1.00%,F,T)

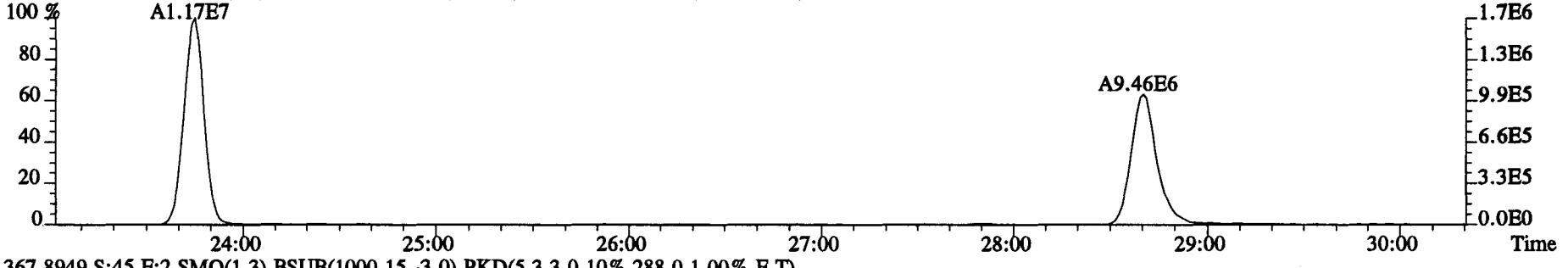


File:30AU104D5 #1-470 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

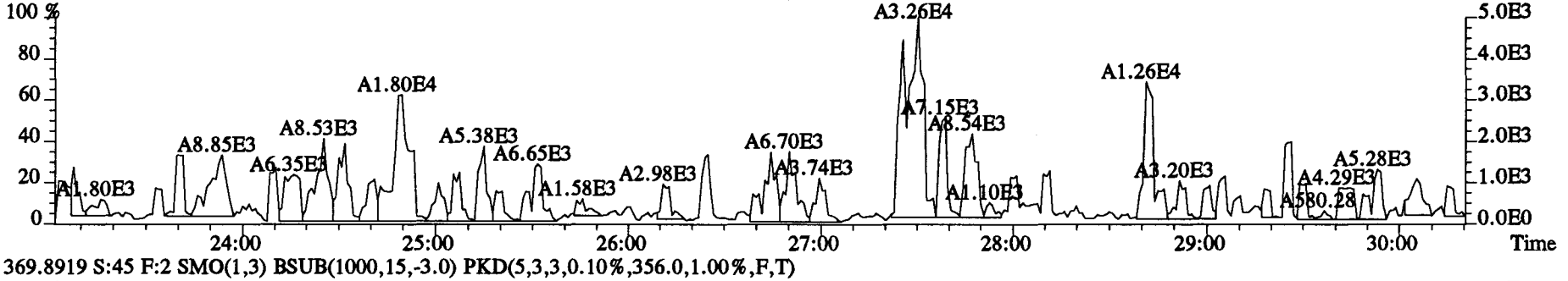
355.8546 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2136.0,1.00%,F,T)



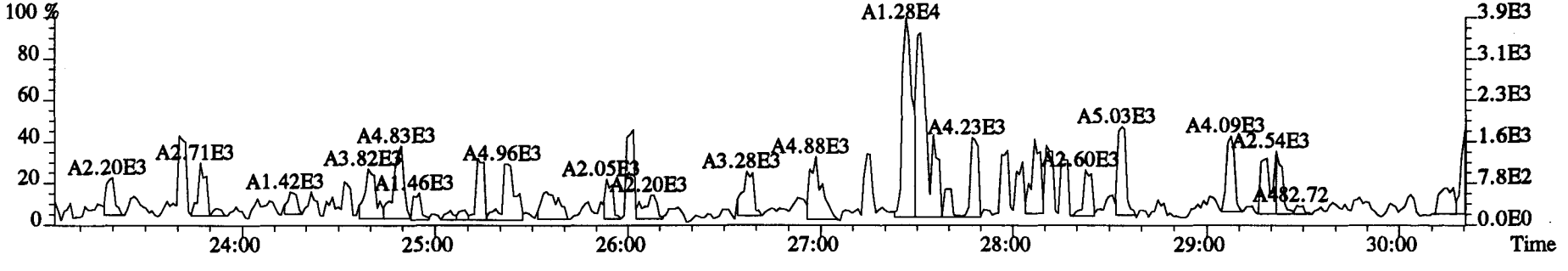
357.8516 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2108.0,1.00%,F,T)



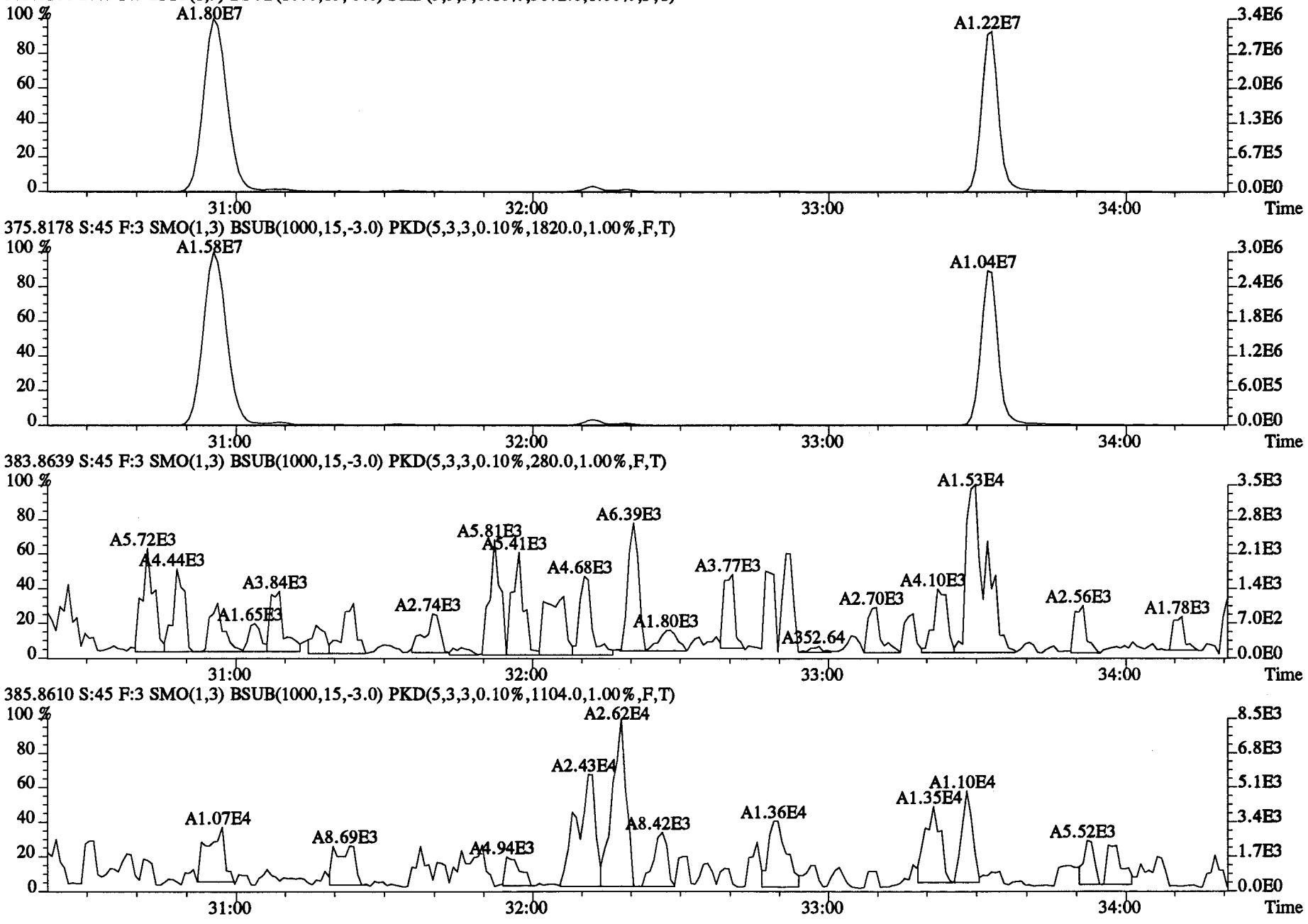
367.8949 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)



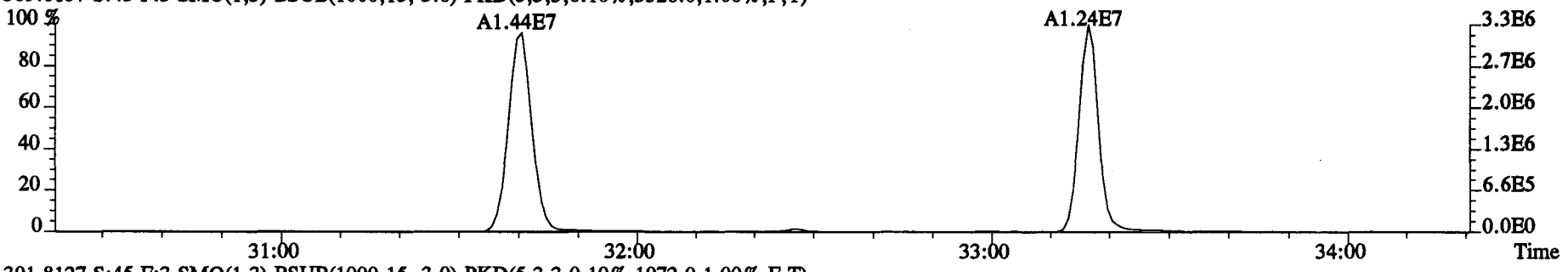
369.8919 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,356.0,1.00%,F,T)

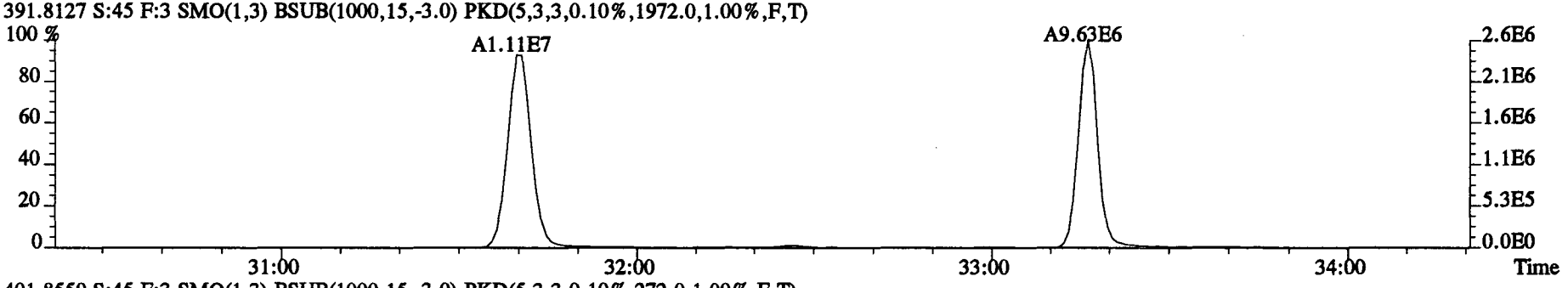


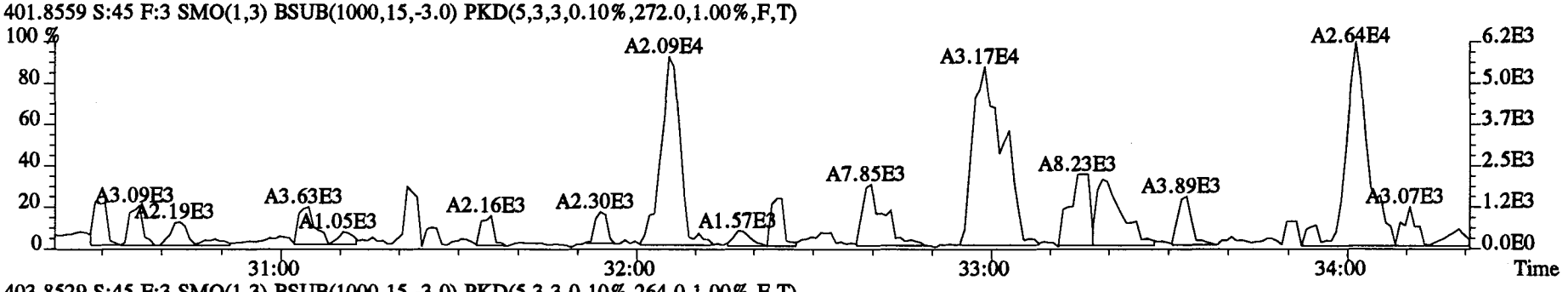
File:30AU104D5 #1-287 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

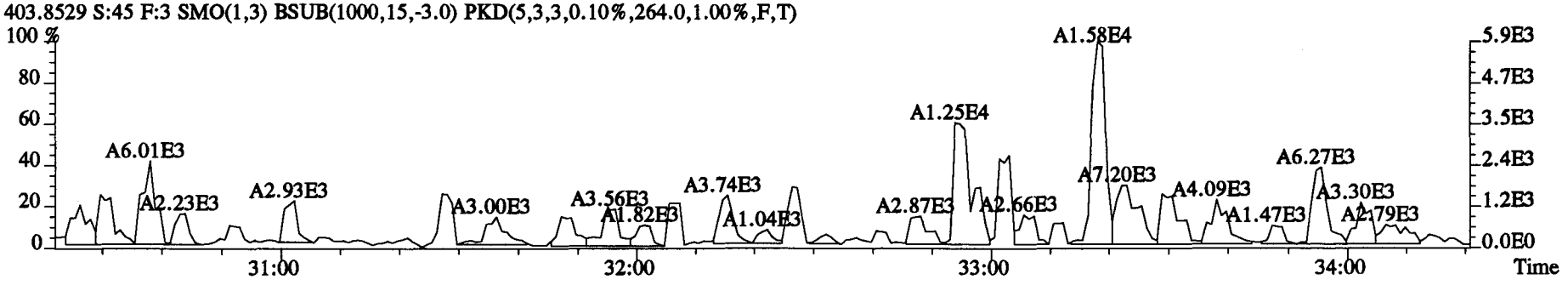


File:30AU104D5 #1-287 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

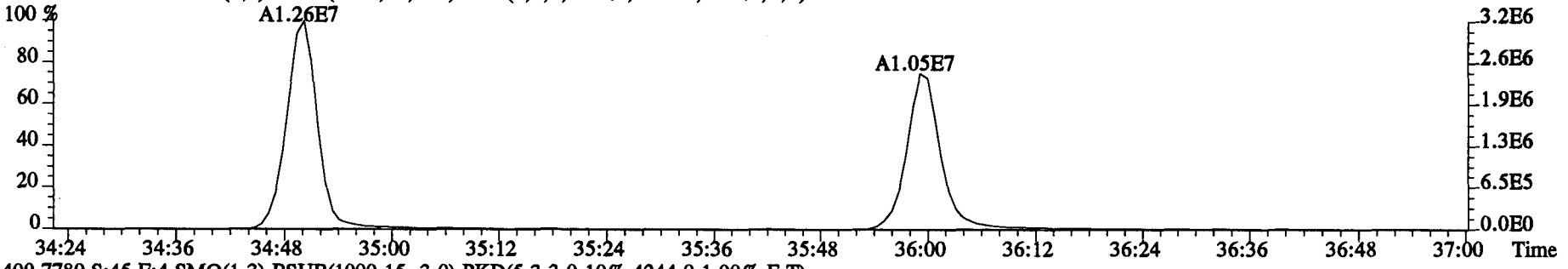




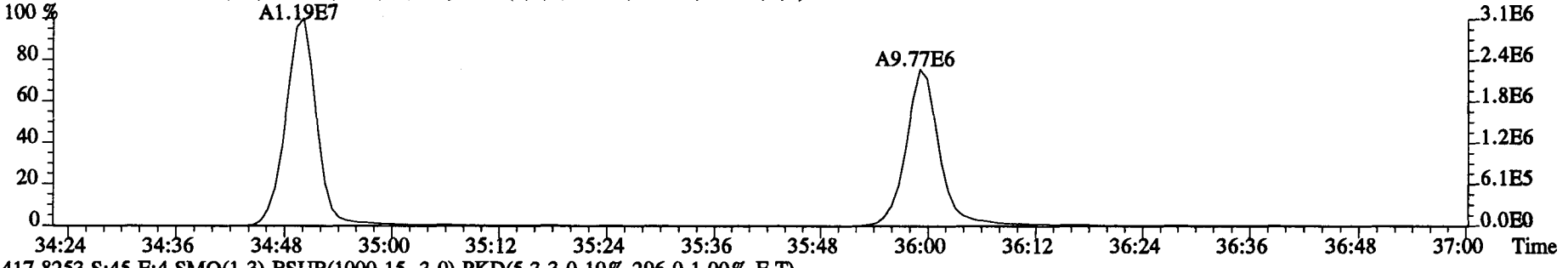




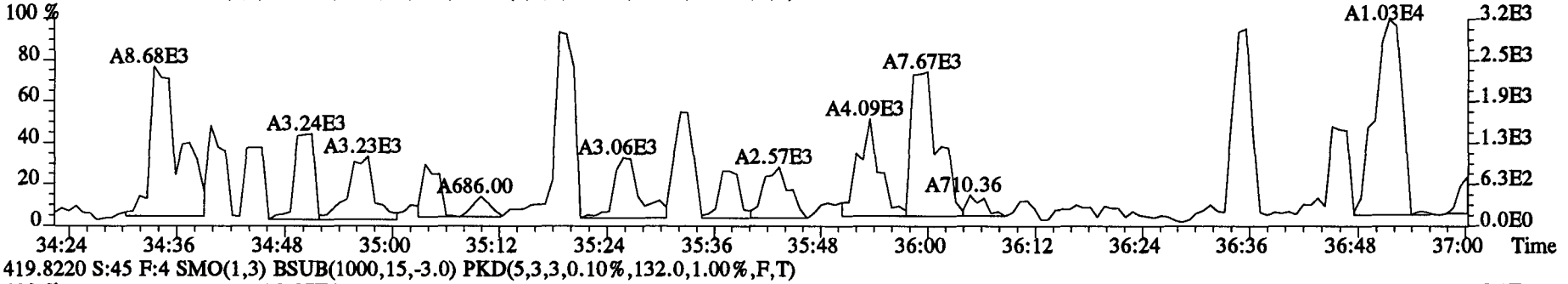
File:30AU104D5 #1-200 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES
407.7818 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3892.0,1.00%,F,T)



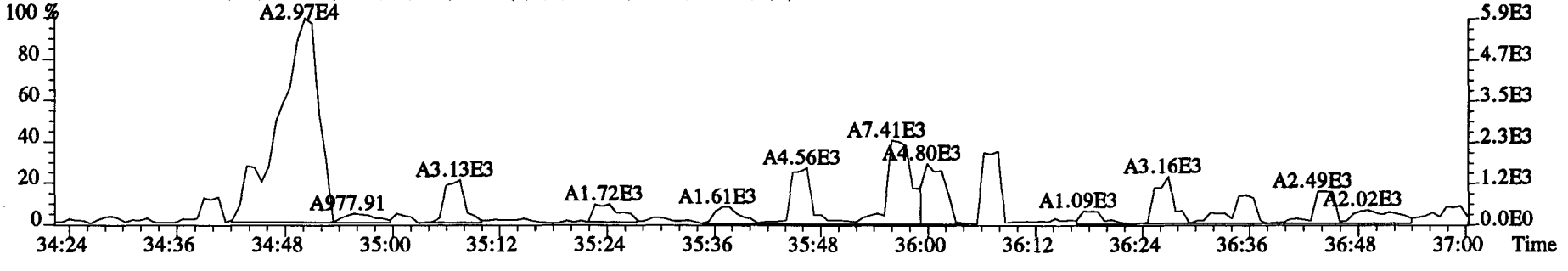
409.7789 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



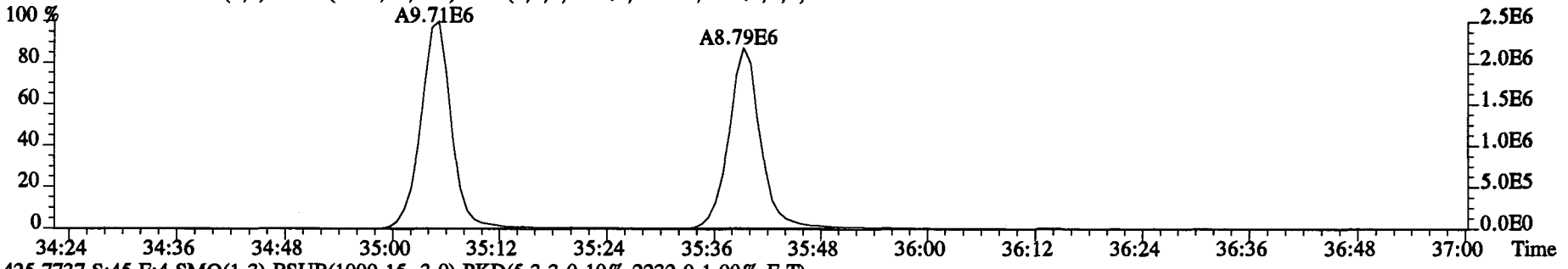
417.8253 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,296.0,1.00%,F,T)



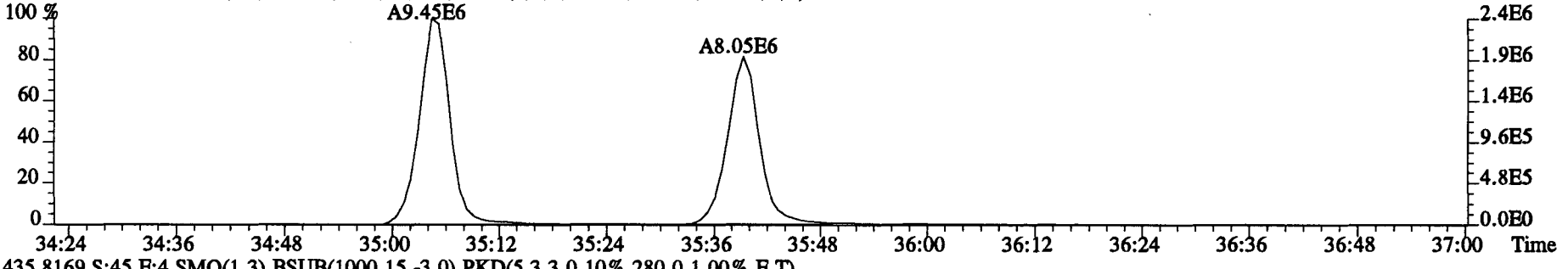
419.8220 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



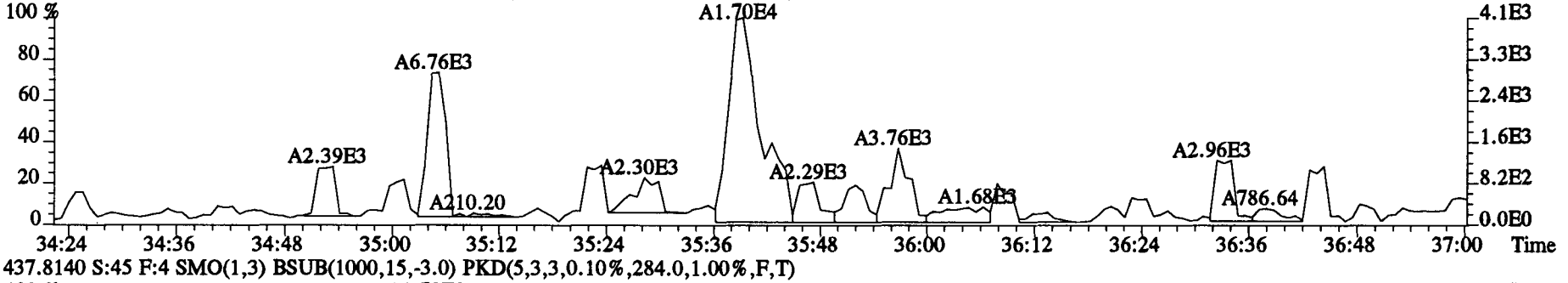
File:30AU104D5 #1-200 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES
423.7766 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)



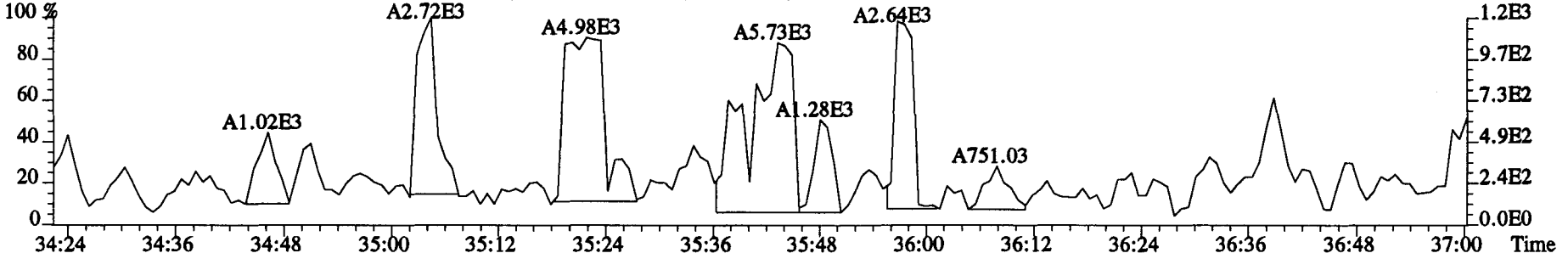
425.7737 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2232.0,1.00%,F,T)



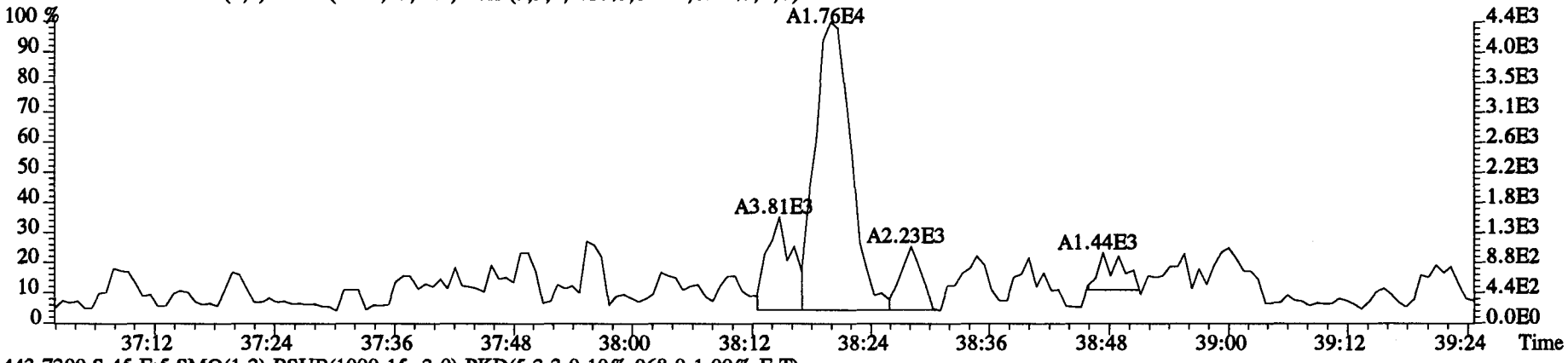
435.8169 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,280.0,1.00%,F,T)



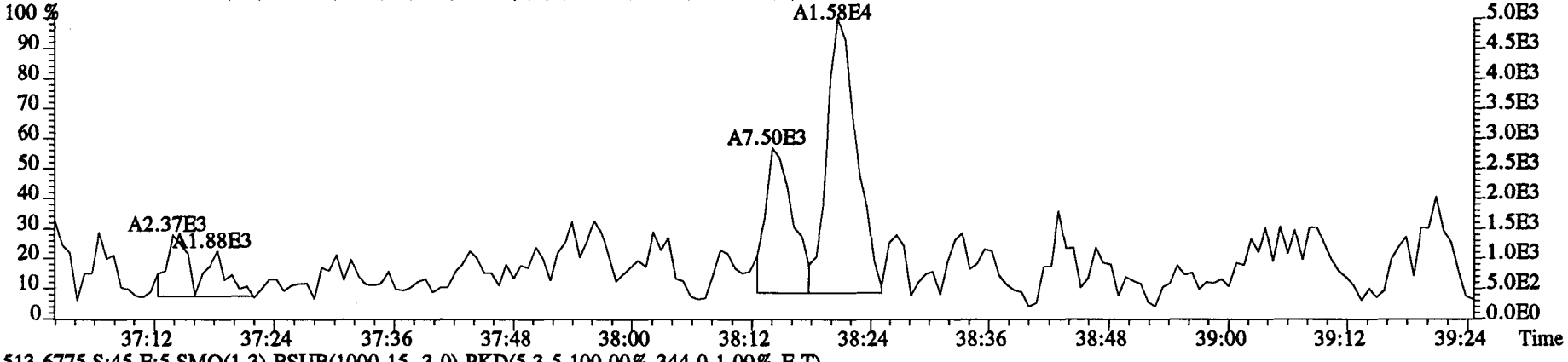
437.8140 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,284.0,1.00%,F,T)



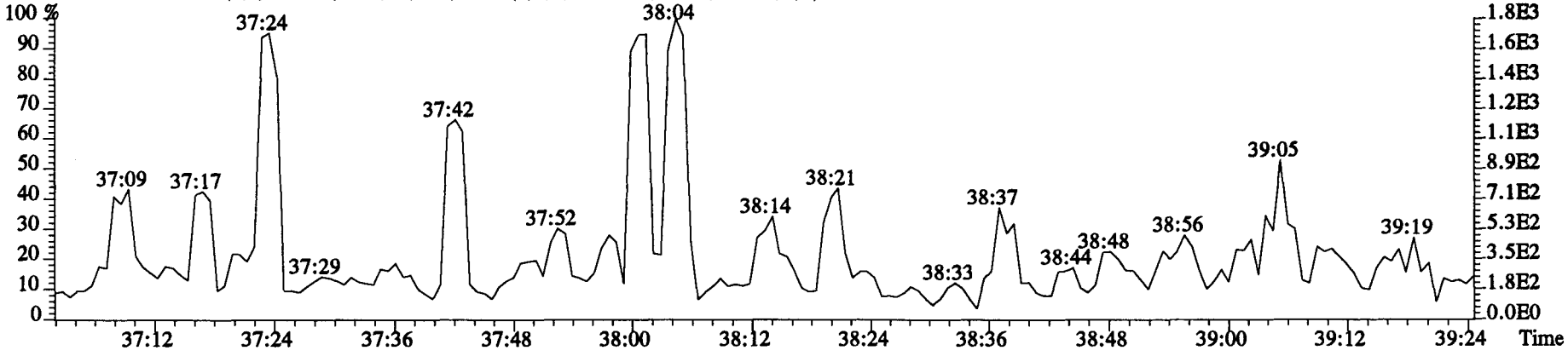
File:30AU104D5 #1-193 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



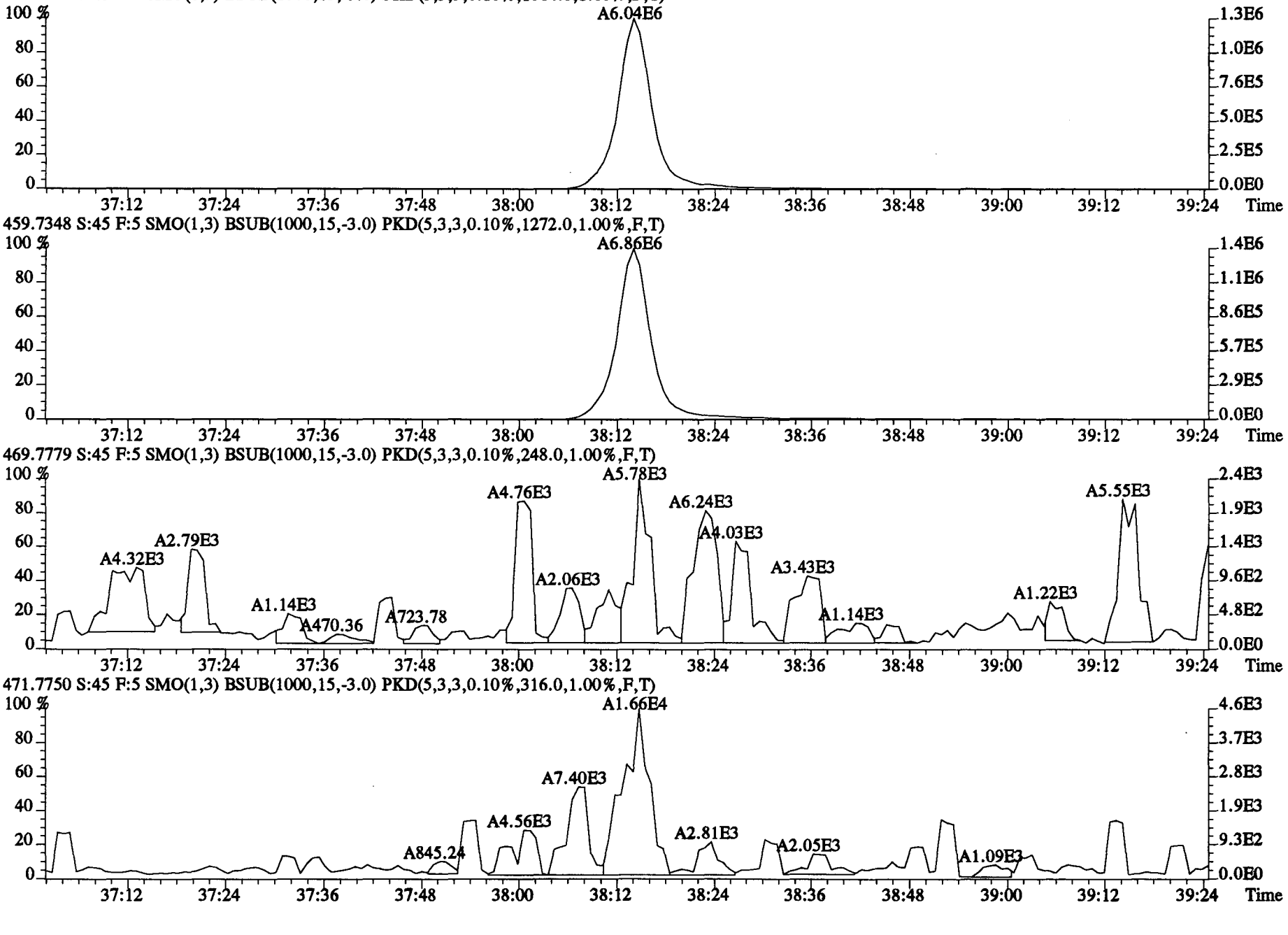
443.7399 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,968.0,1.00%,F,T)



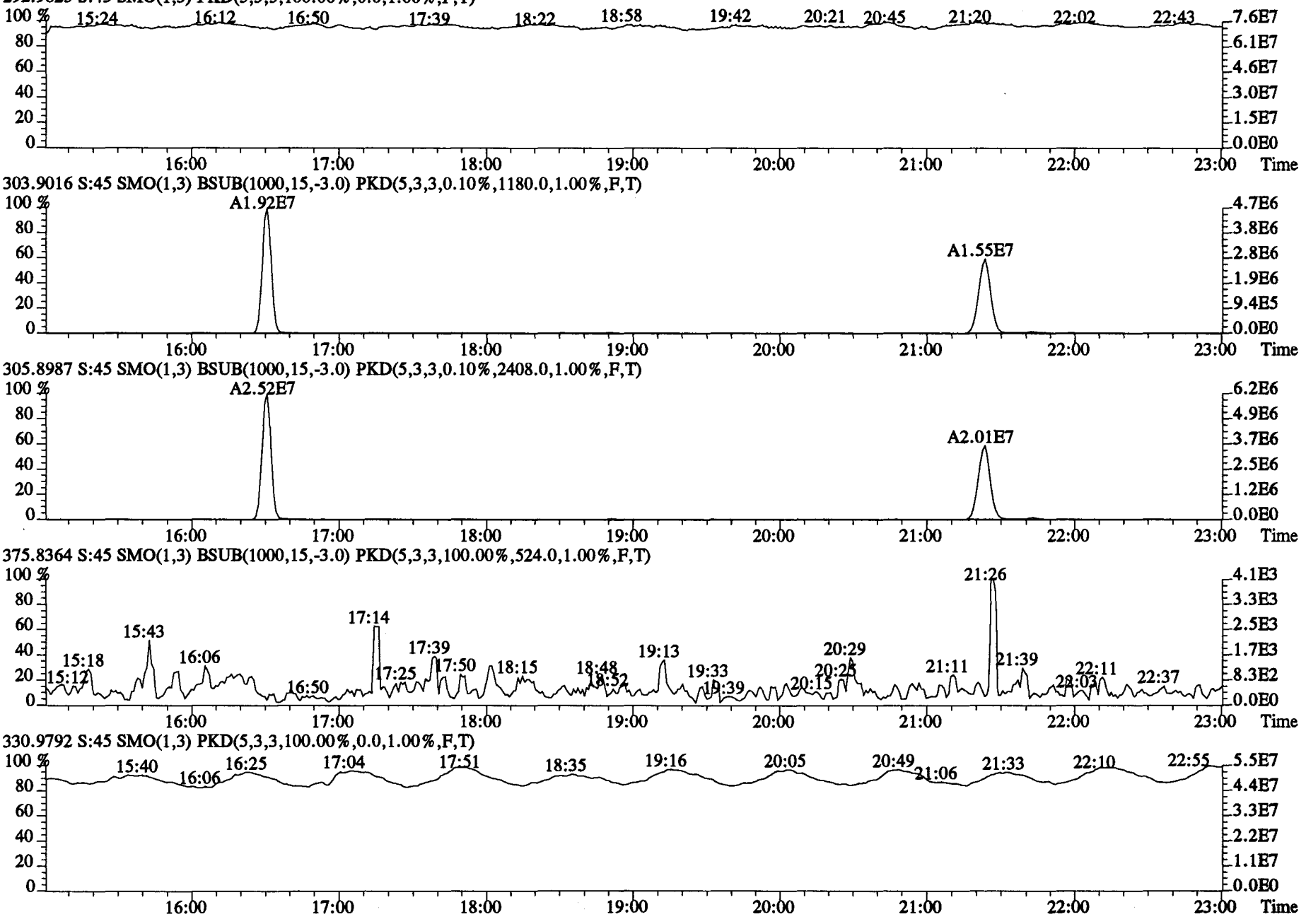
513.6775 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,344.0,1.00%,F,T)



File:30AU104D5 #1-193 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

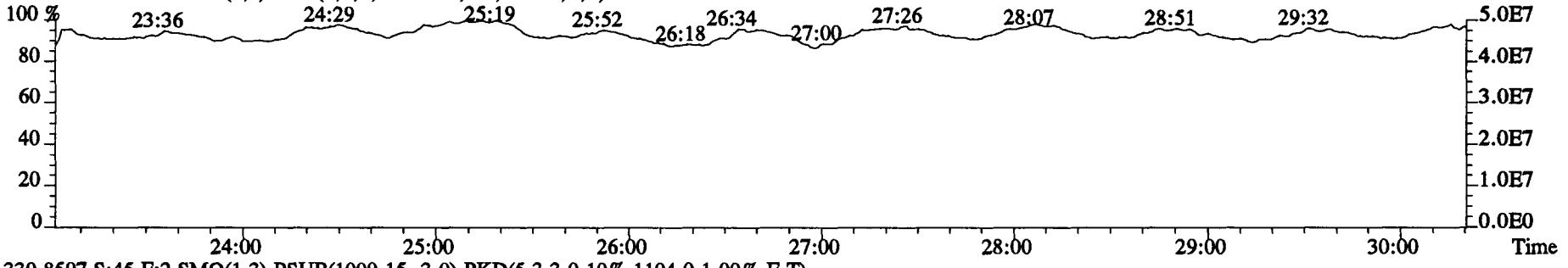


File:30AU104D5 #1-530 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

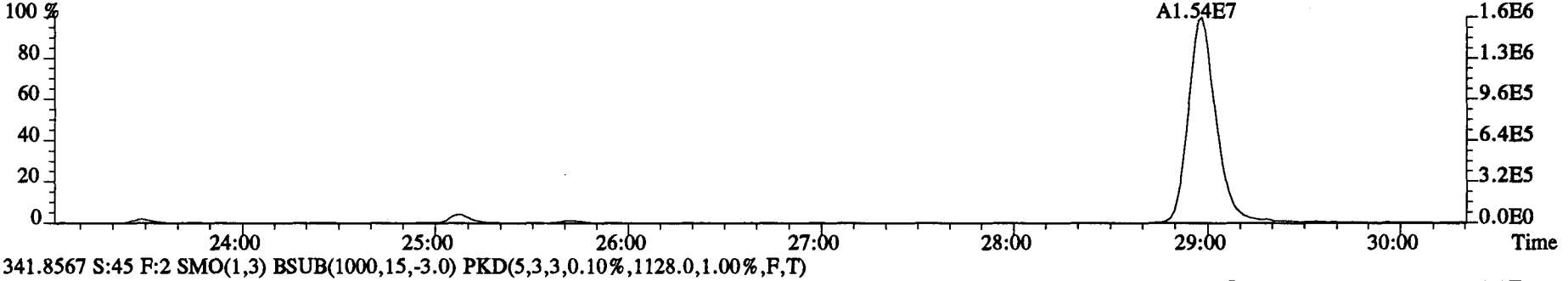


File:30AU104D5 #1-470 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

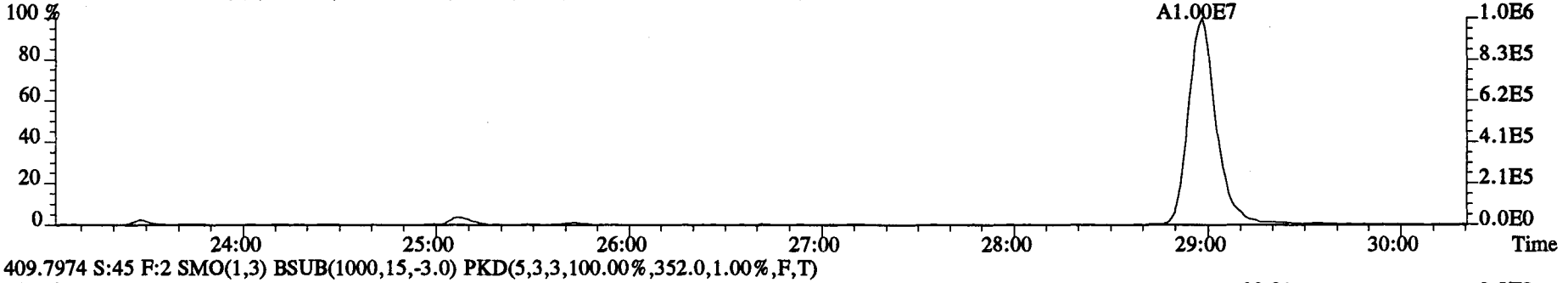
342.9792 S:45 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



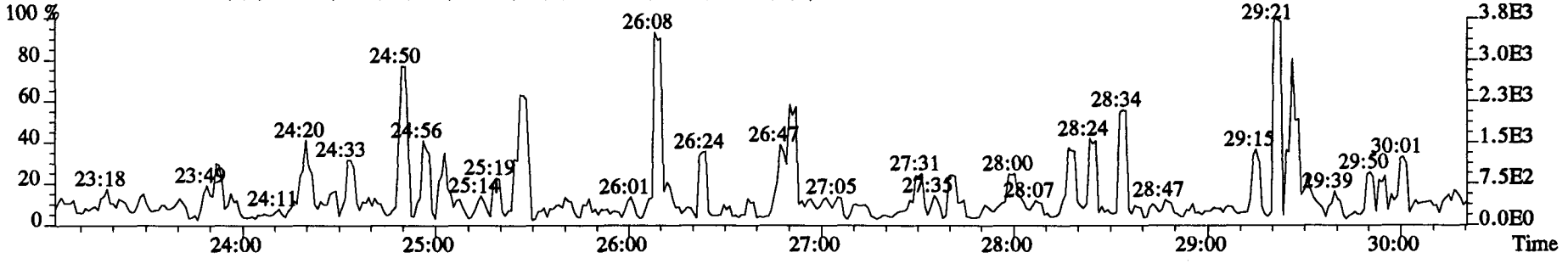
339.8597 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



341.8567 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)

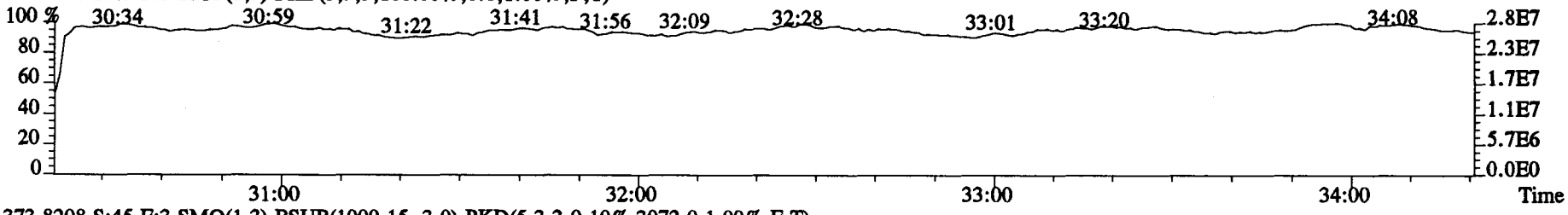


409.7974 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,352.0,1.00%,F,T)

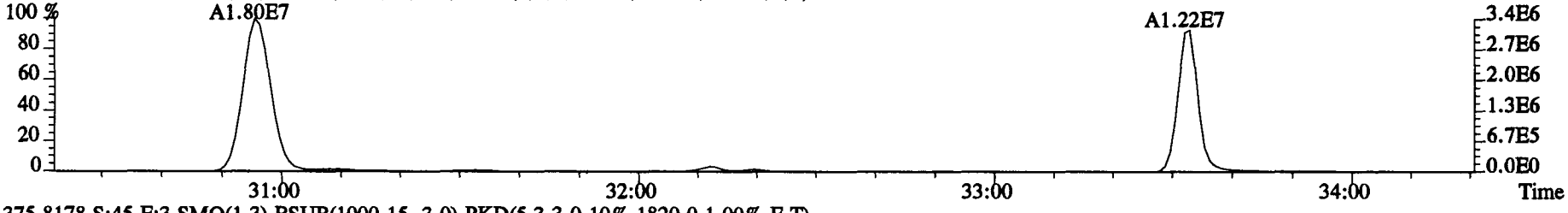


File:30AU104D5 #1-287 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES

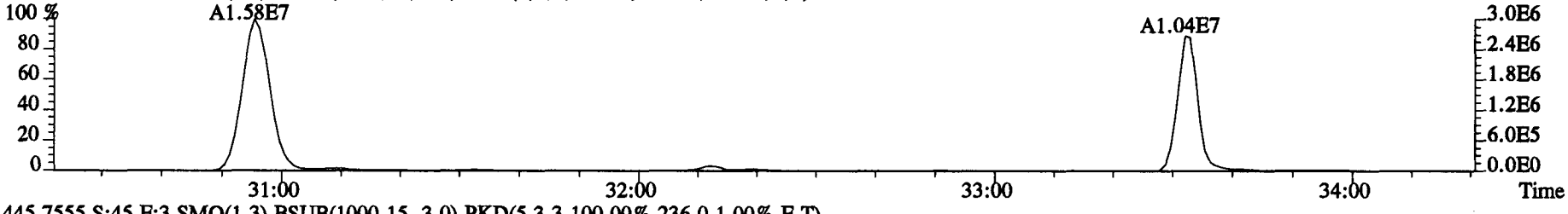
392.9760 S:45 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



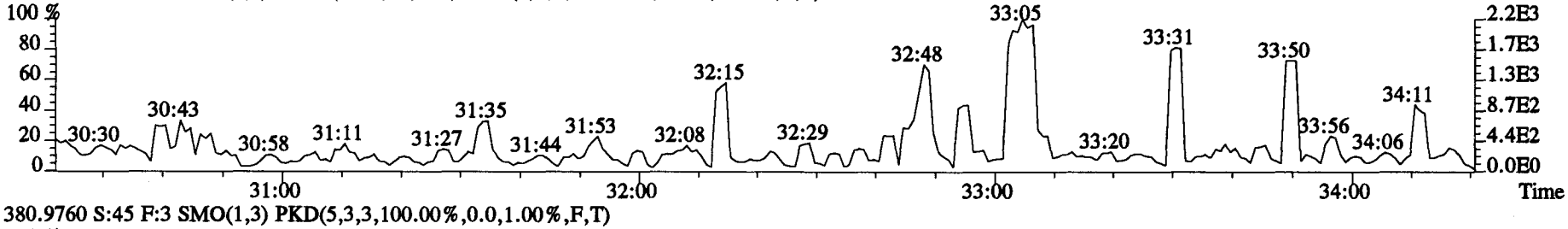
373.8208 S:45 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3072.0,1.00%,F,T)



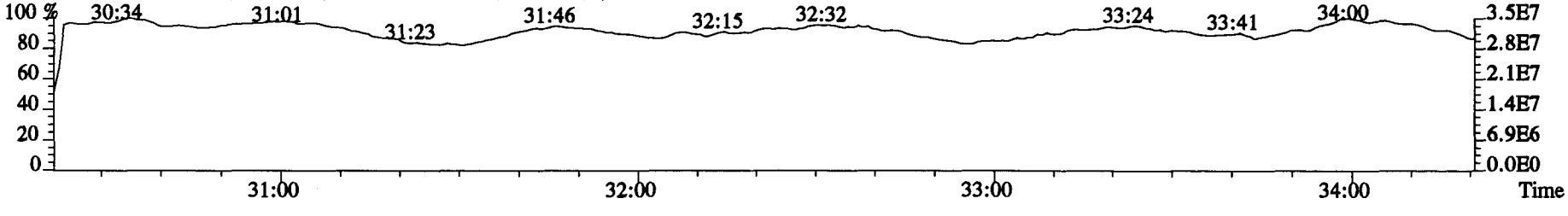
375.8178 S:45 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)



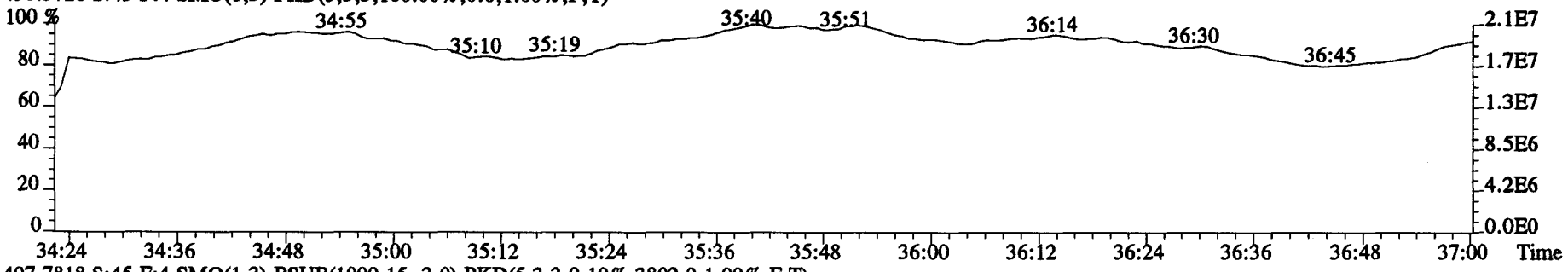
445.7555 S:45 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,236.0,1.00%,F,T)



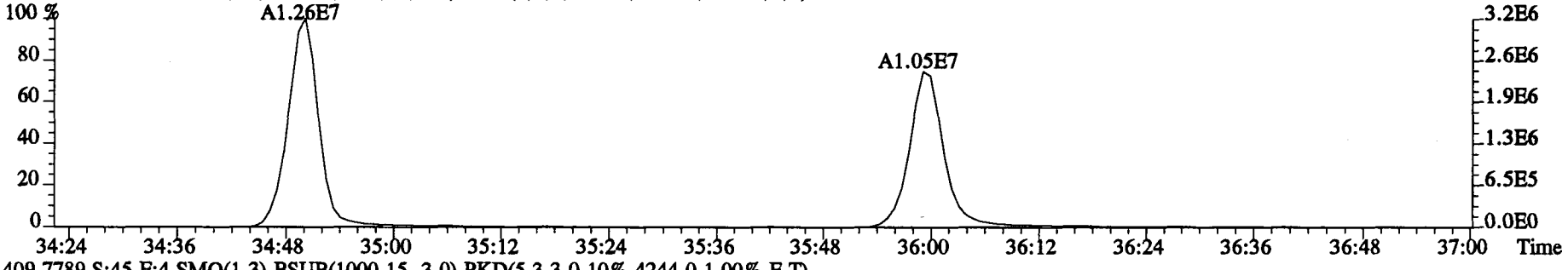
380.9760 S:45 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



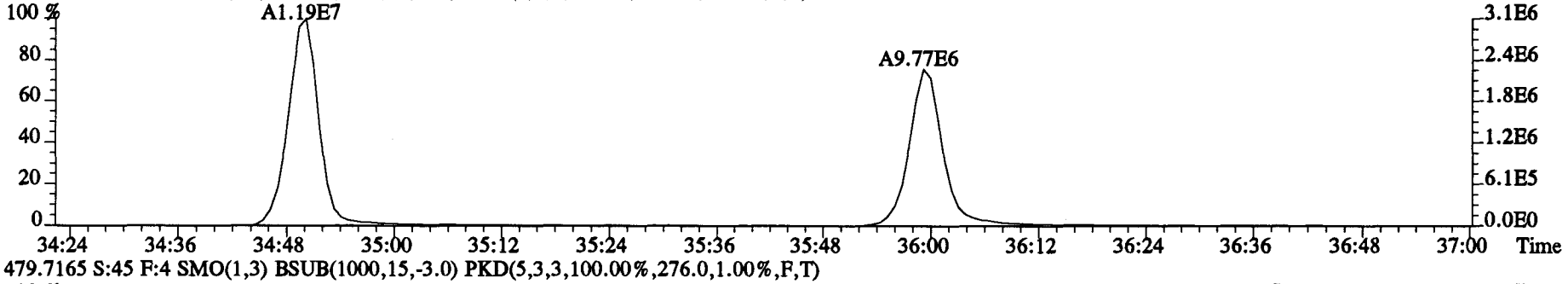
File:30AU104D5 #1-200 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES
430.9728 S:45 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



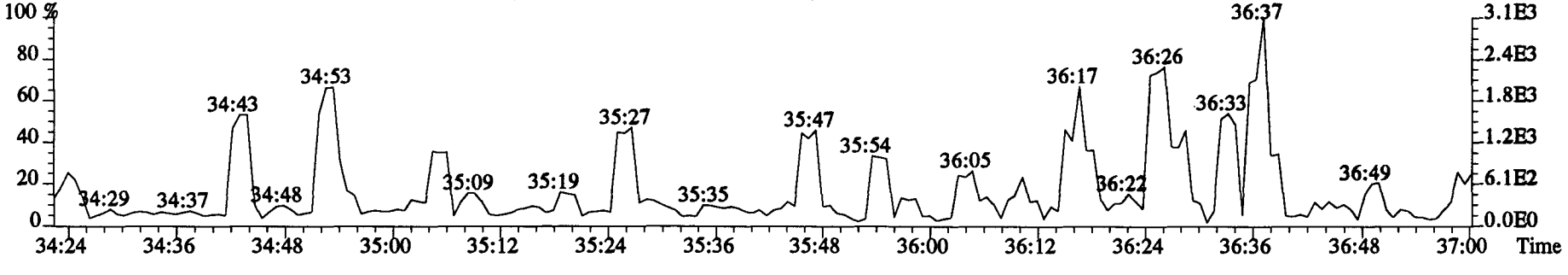
407.7818 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3892.0,1.00%,F,T)



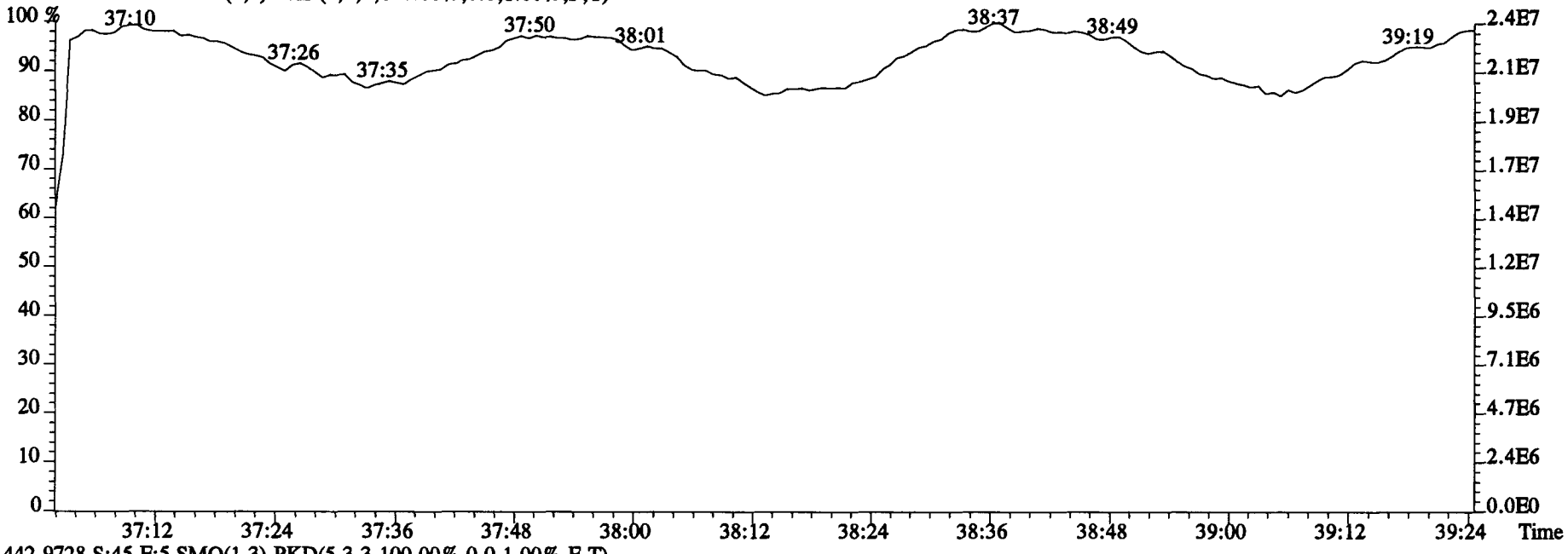
409.7789 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



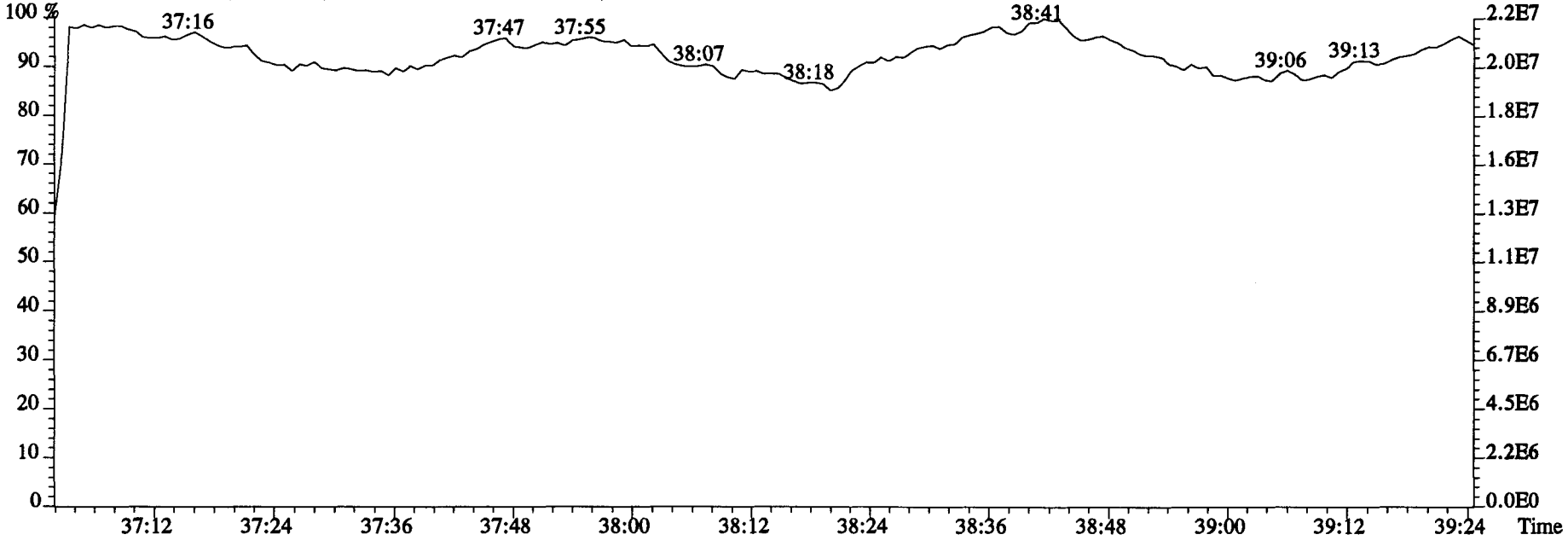
479.7165 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,276.0,1.00%,F,T)



File:30AU104D5 #1-193 Acq:31-AUG-2010 18:26:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#45 Text:CP0830C :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 S:45 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

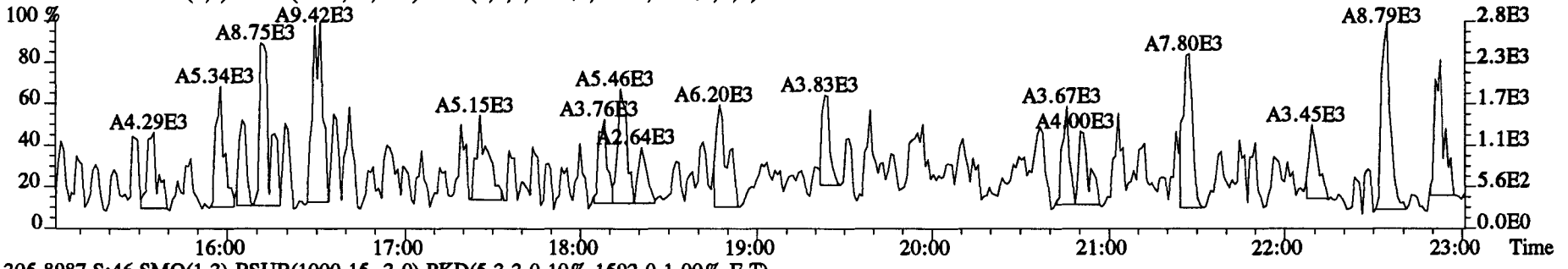


442.9728 S:45 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

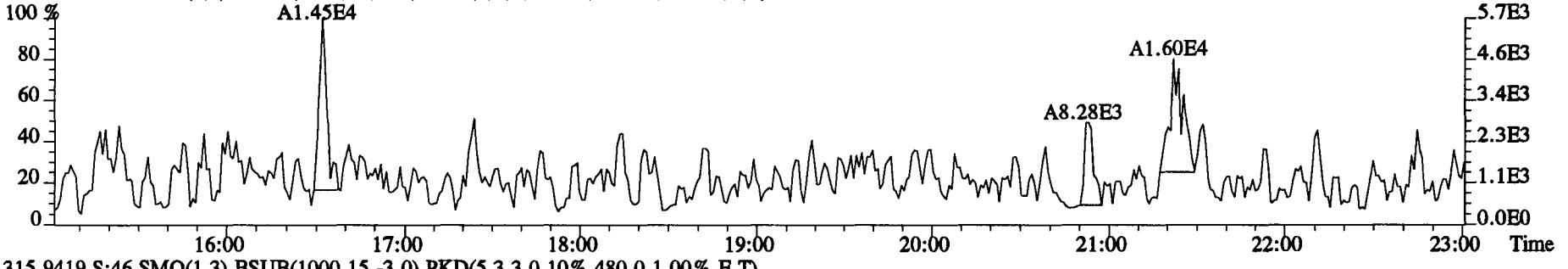


File:30AU104D5 #1-530 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES

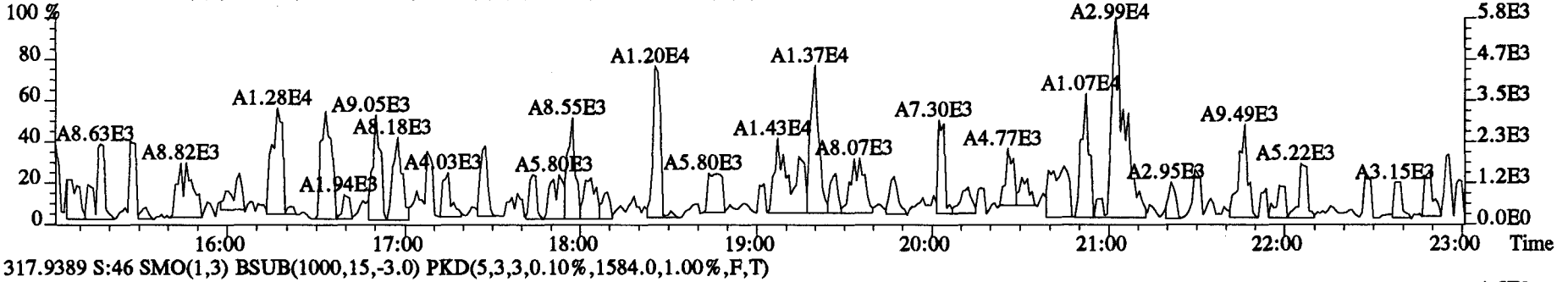
303.9016 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,756.0,1.00%,F,T)



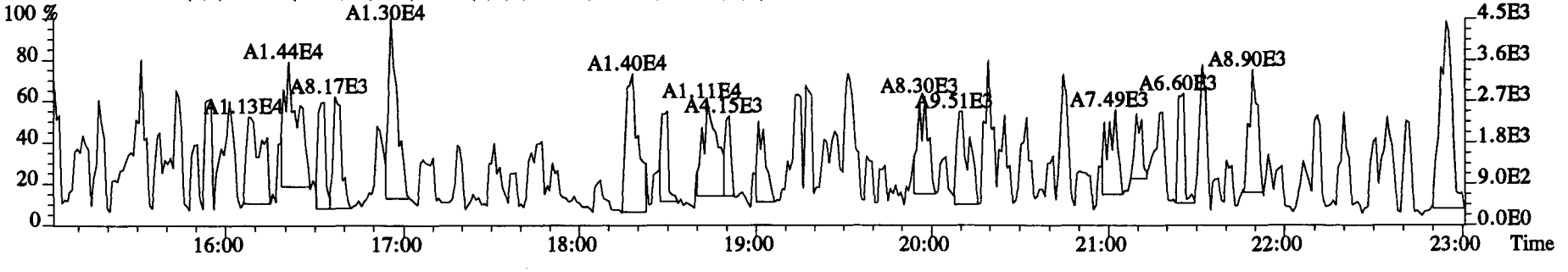
305.8987 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T)



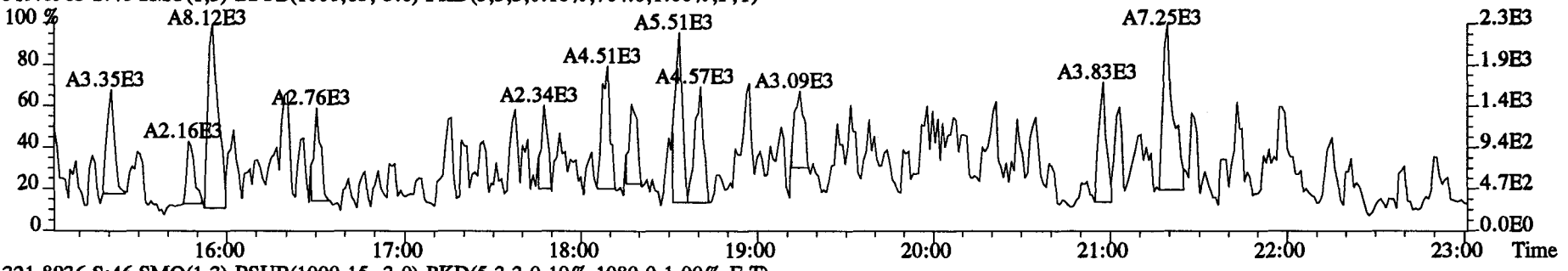
315.9419 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,480.0,1.00%,F,T)



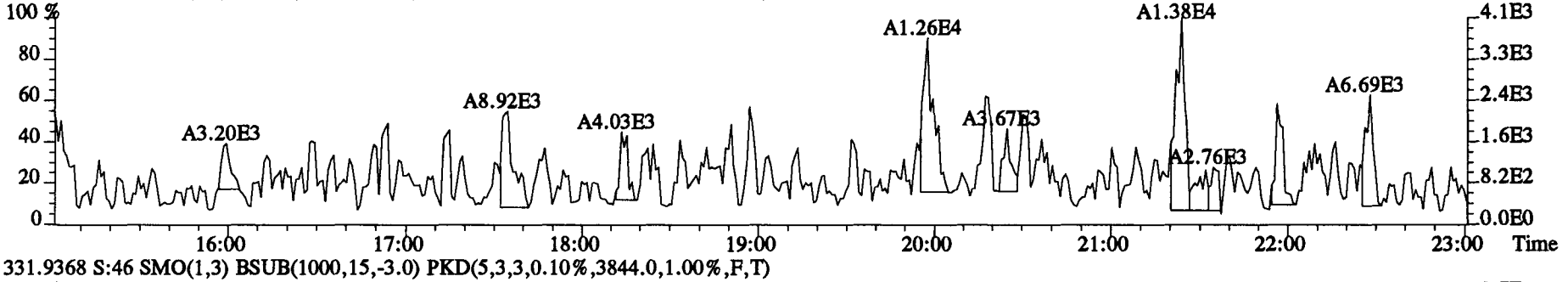
317.9389 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1584.0,1.00%,F,T)



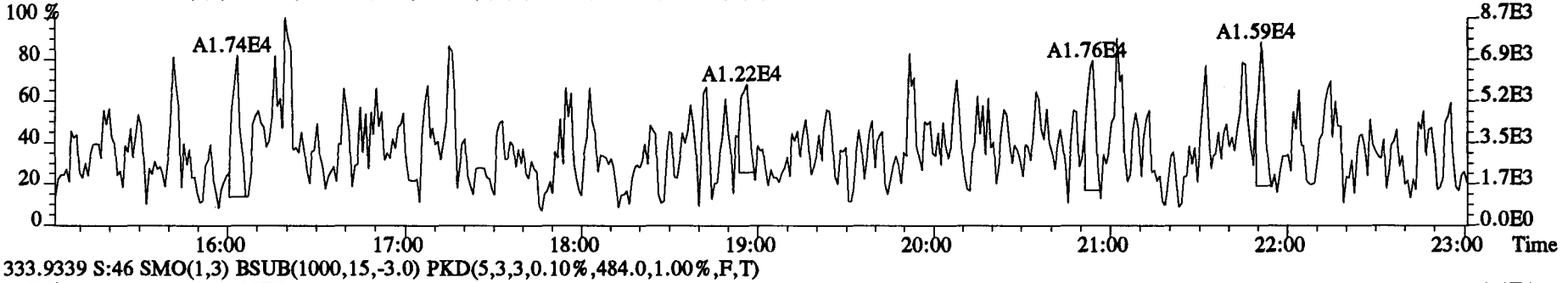
File:30AU104D5 #1-530 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
319.8965 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,704.0,1.00%,F,T)



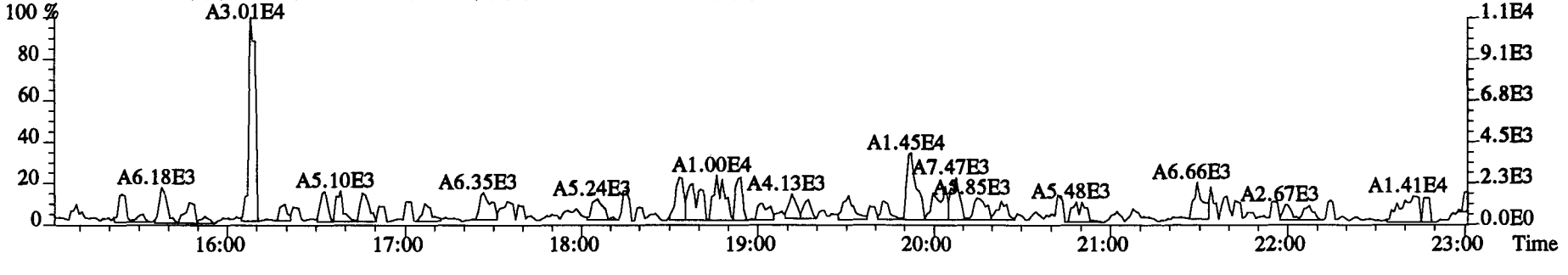
321.8936 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1080.0,1.00%,F,T)



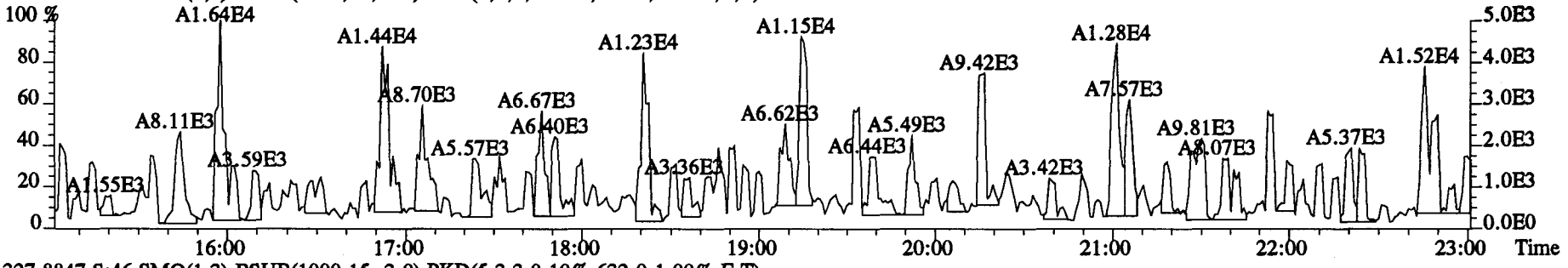
331.9368 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3844.0,1.00%,F,T)



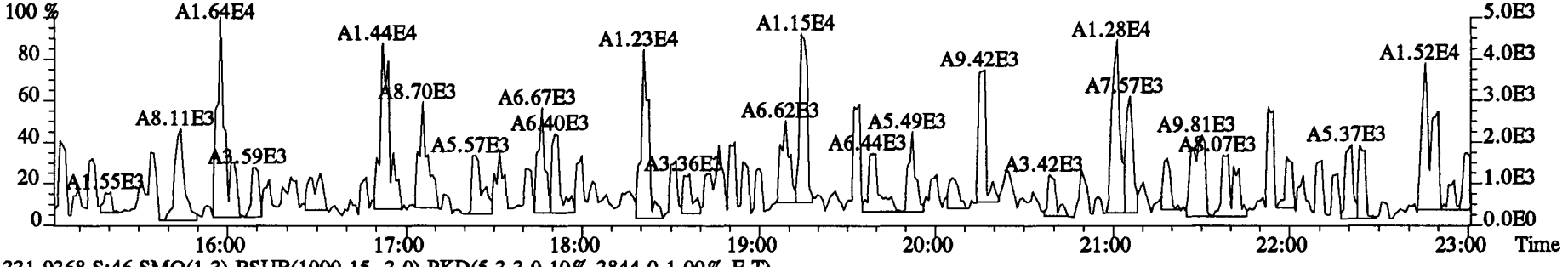
333.9339 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,484.0,1.00%,F,T)



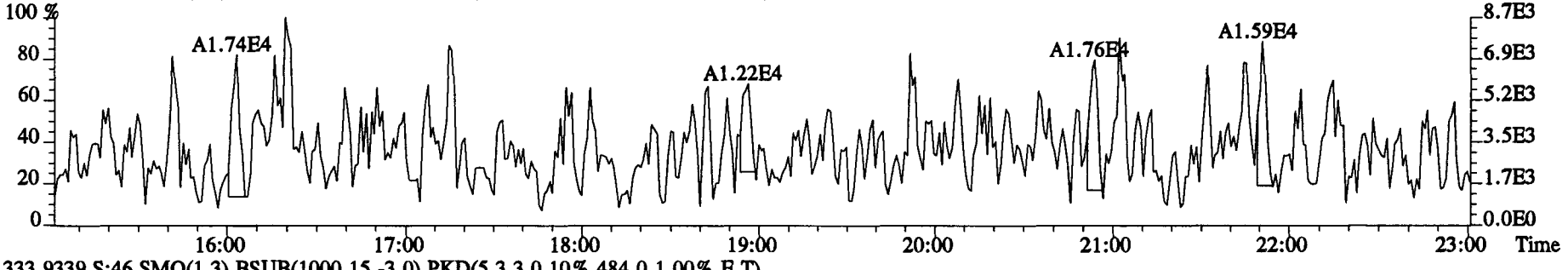
File:30AU104D5 #1-530 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
327.8847 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,632.0,1.00%,F,T)



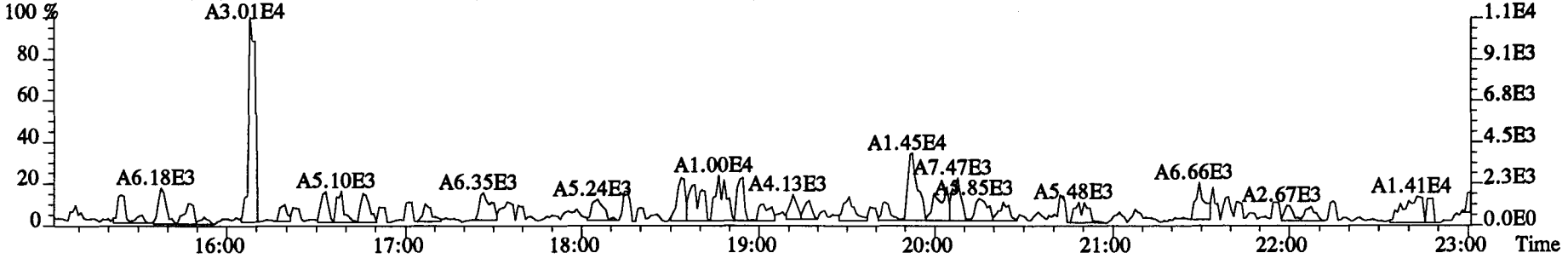
327.8847 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,632.0,1.00%,F,T)



331.9368 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3844.0,1.00%,F,T)

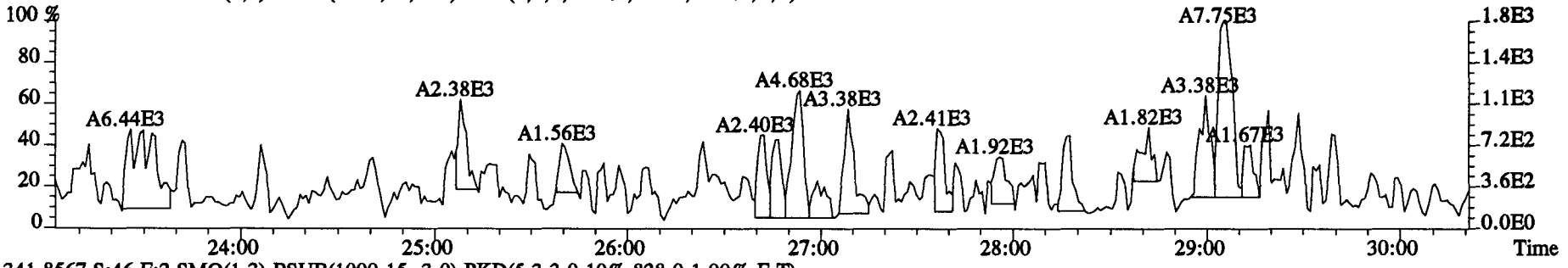


333.9339 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,484.0,1.00%,F,T)

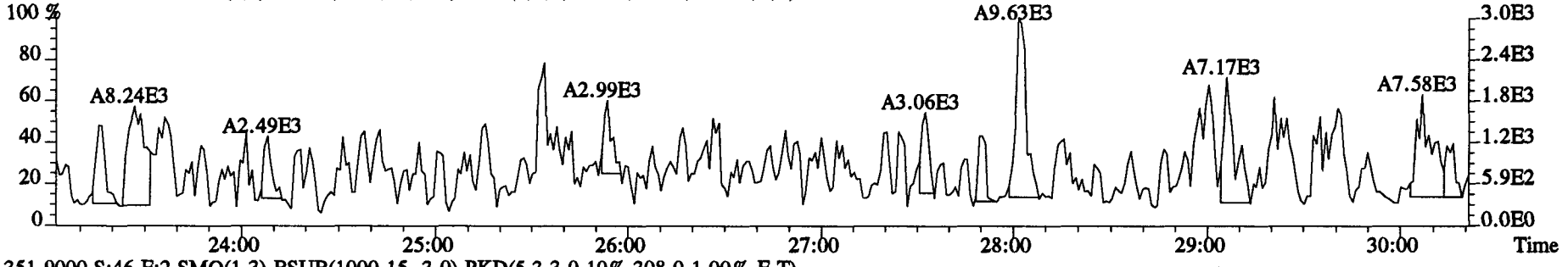


File:30AU104D5 #1-470 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES

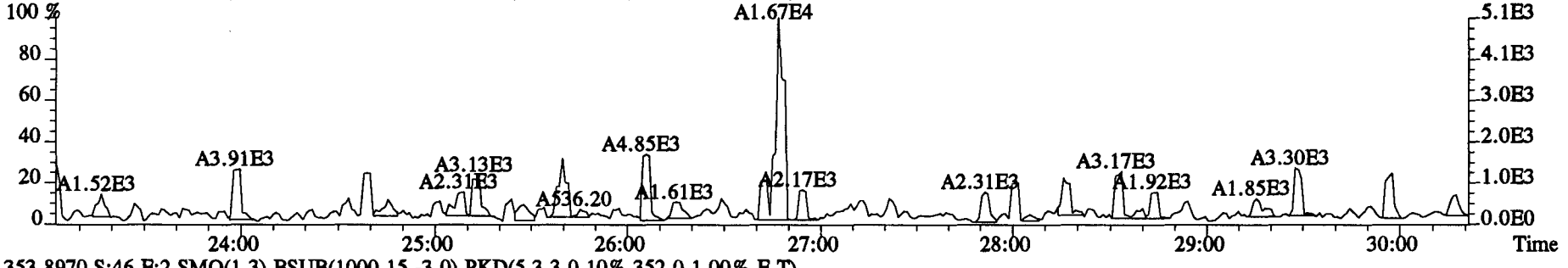
339.8597 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,384.0,1.00%,F,T)



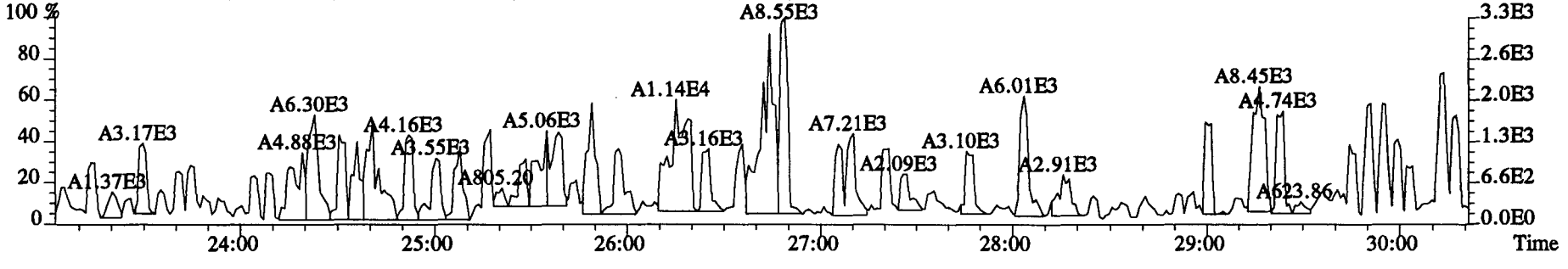
341.8567 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)



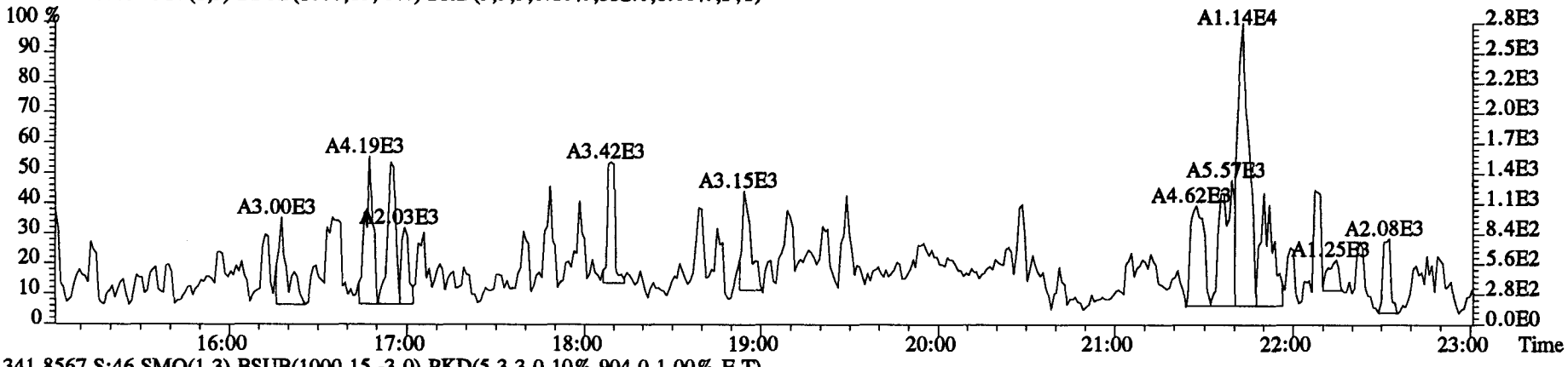
351.9000 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,308.0,1.00%,F,T)



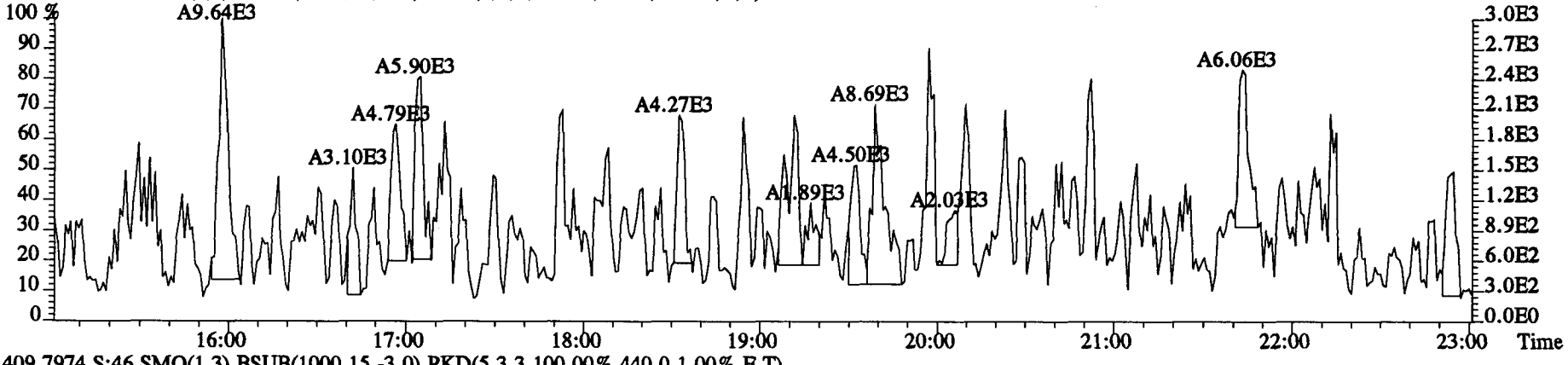
353.8970 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,352.0,1.00%,F,T)



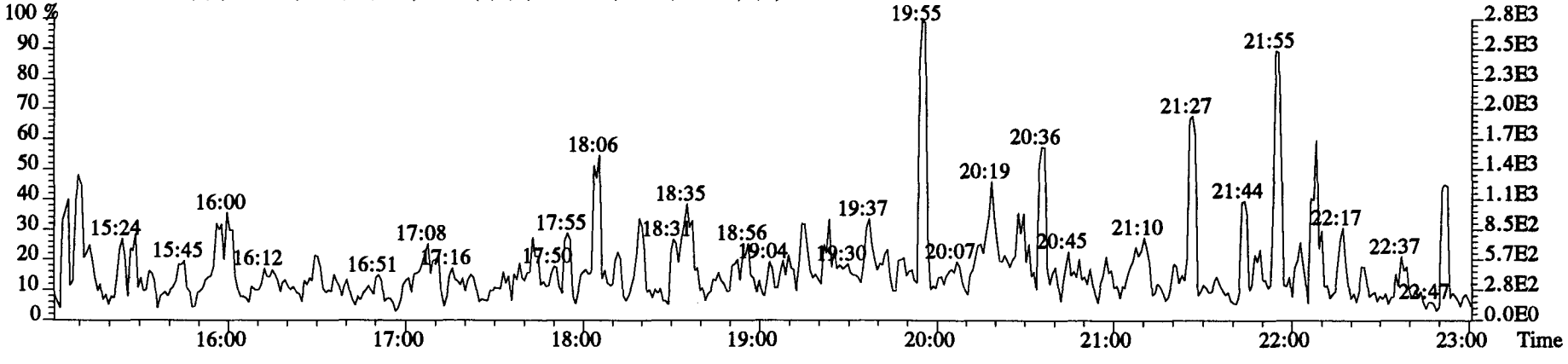
File:30AU104D5 #1-530 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
339.8597 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,552.0,1.00%,F,T)



341.8567 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,904.0,1.00%,F,T)

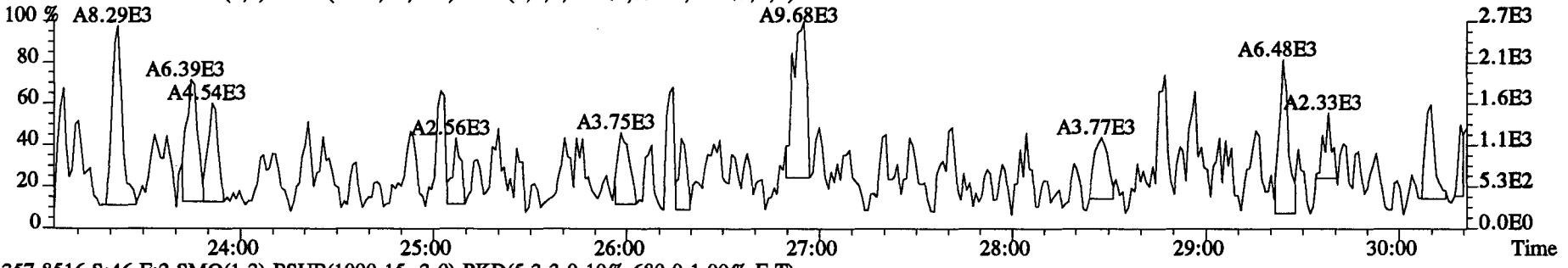


409.7974 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,440.0,1.00%,F,T)

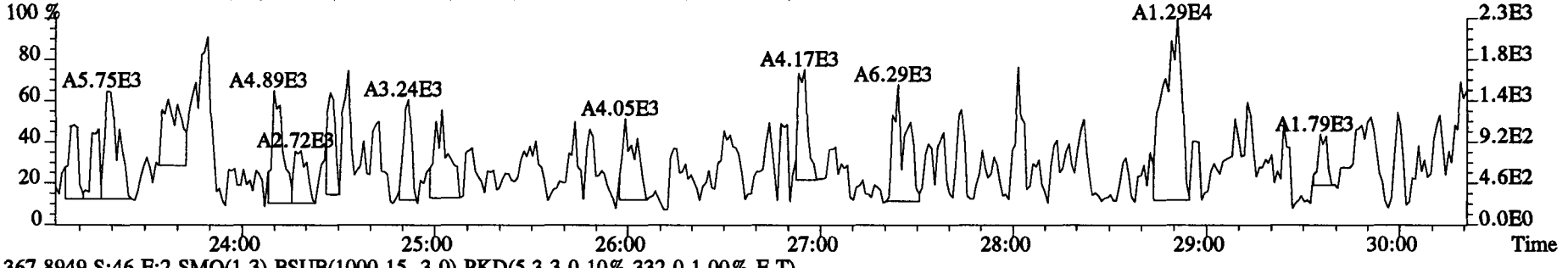


File:30AU104D5 #1-470 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES

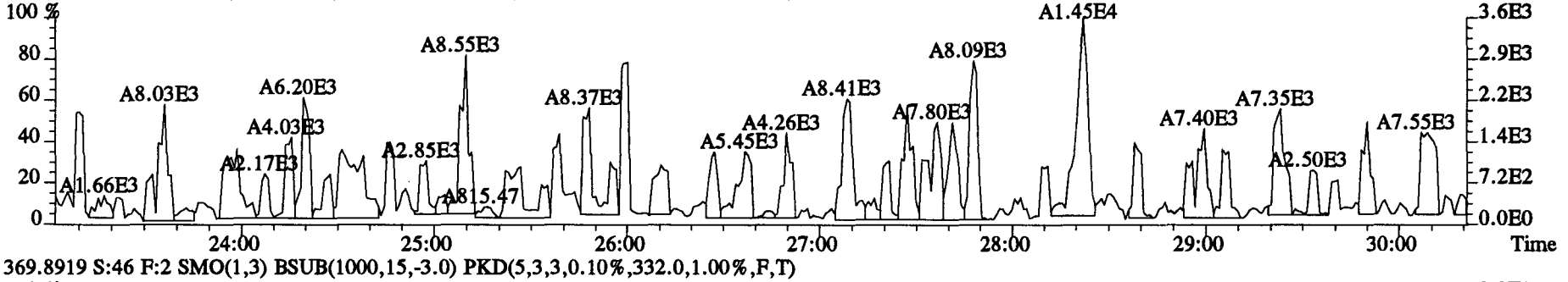
355.8546 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)



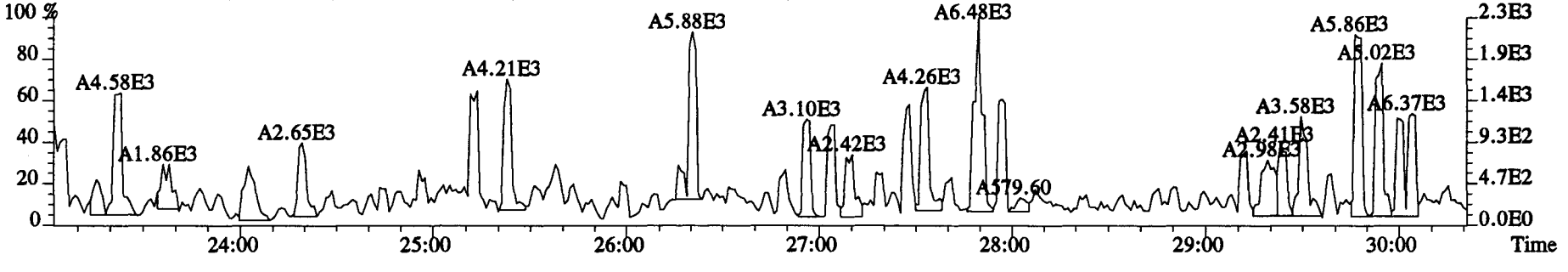
357.8516 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,680.0,1.00%,F,T)



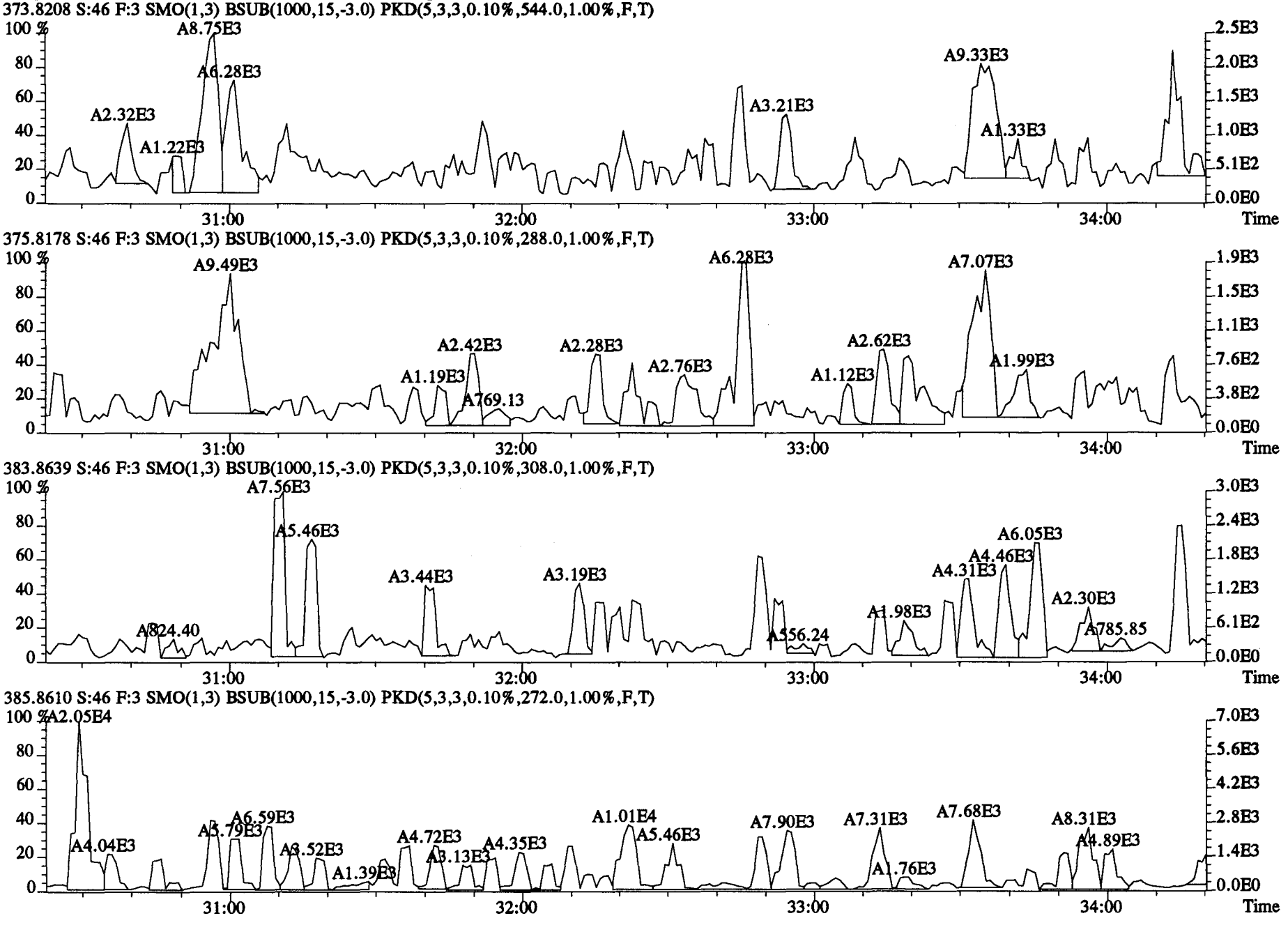
367.8949 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,332.0,1.00%,F,T)



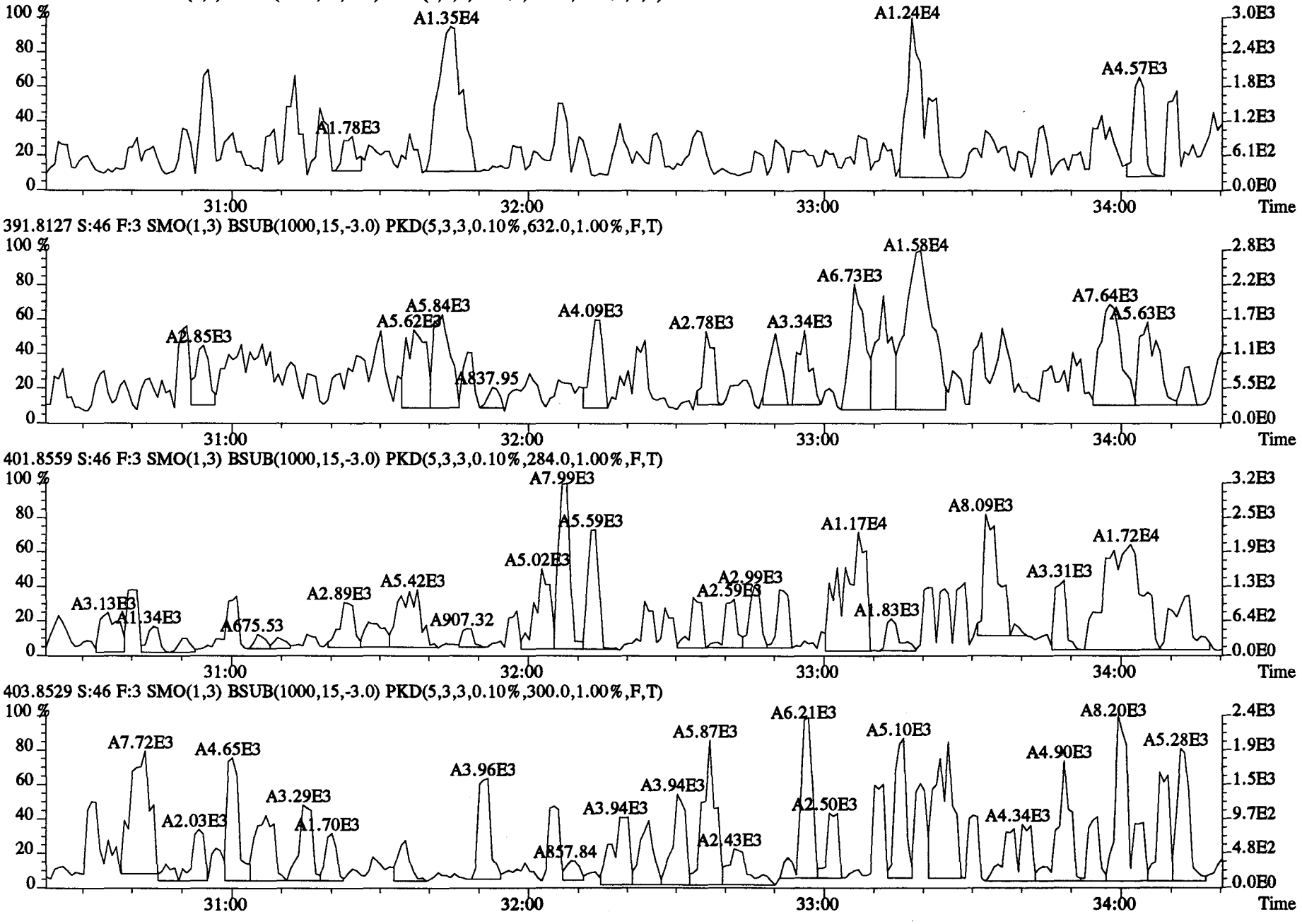
369.8919 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,332.0,1.00%,F,T)



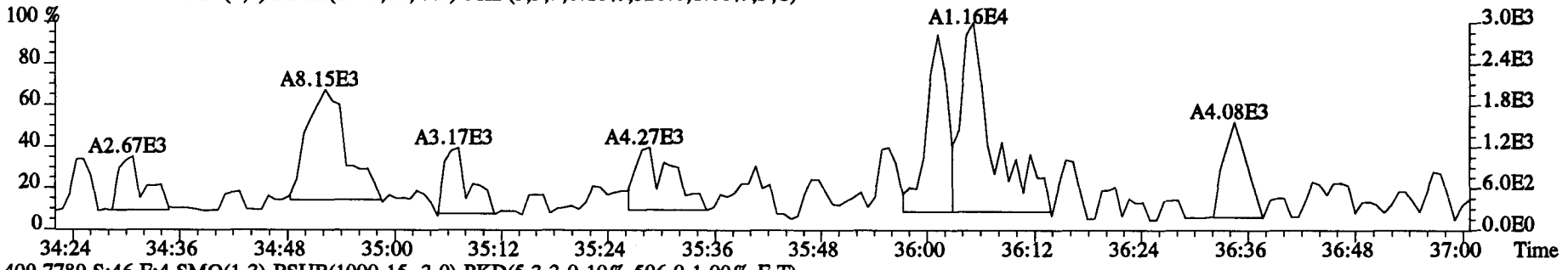
File:30AU104D5 #1-286 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES



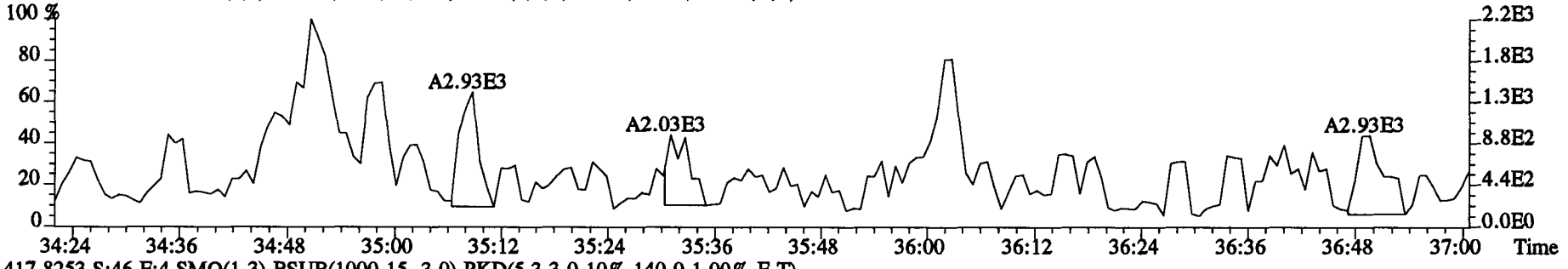
File:30AU104D5 #1-286 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES



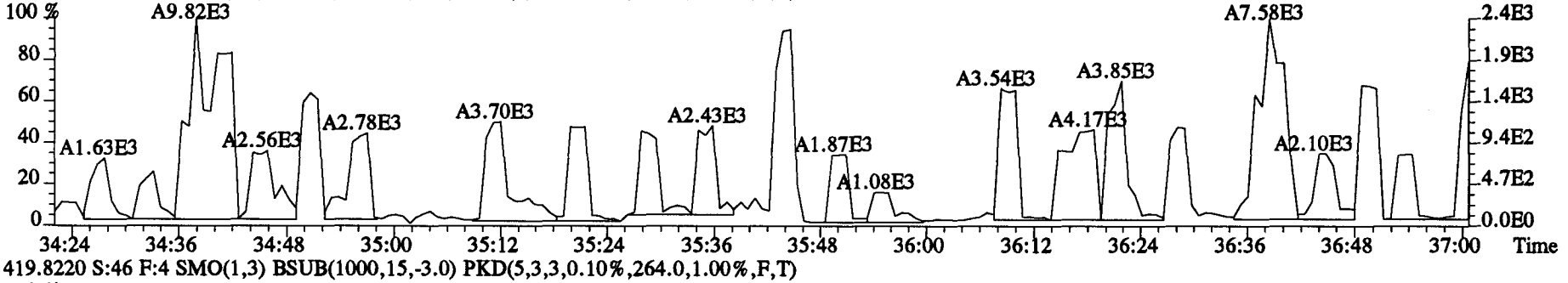
File:30AU104D5 #1-201 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
407.7818 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,528.0,1.00%,F,T)



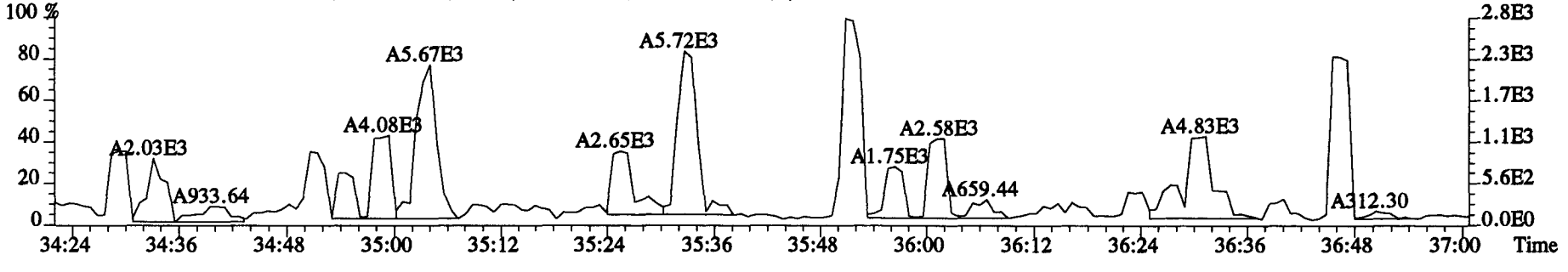
409.7789 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,596.0,1.00%,F,T)



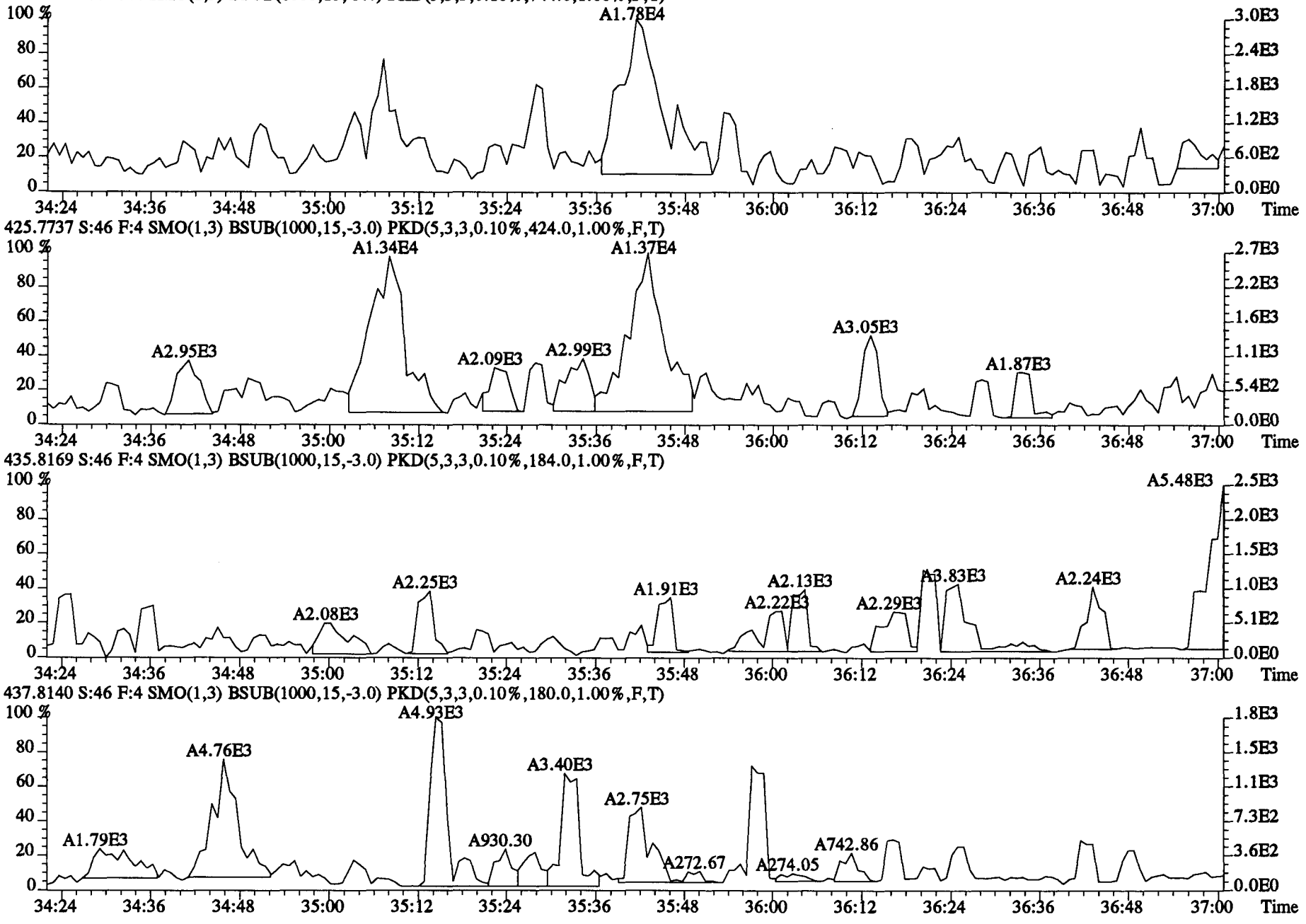
417.8253 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



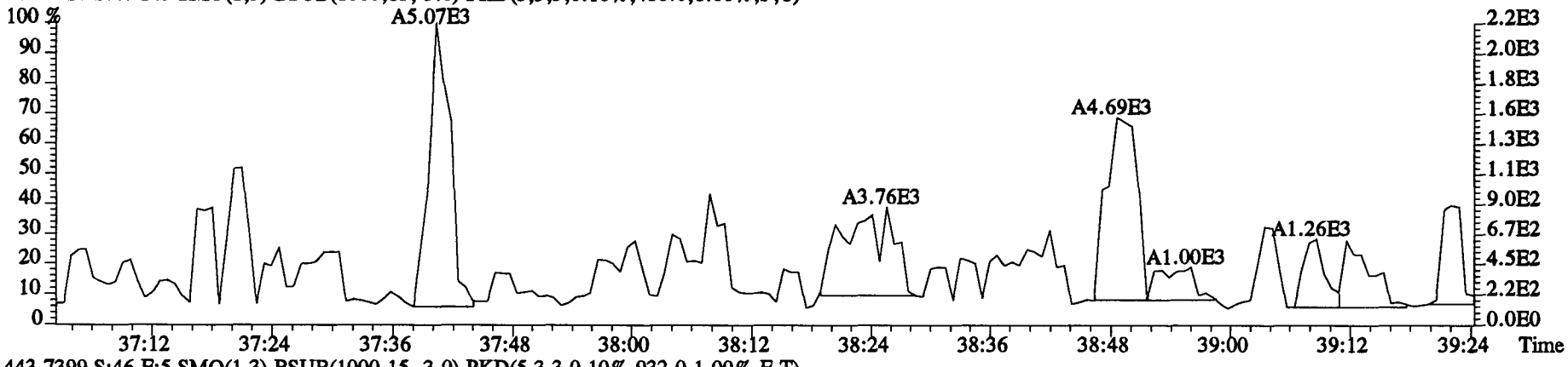
419.8220 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,264.0,1.00%,F,T)



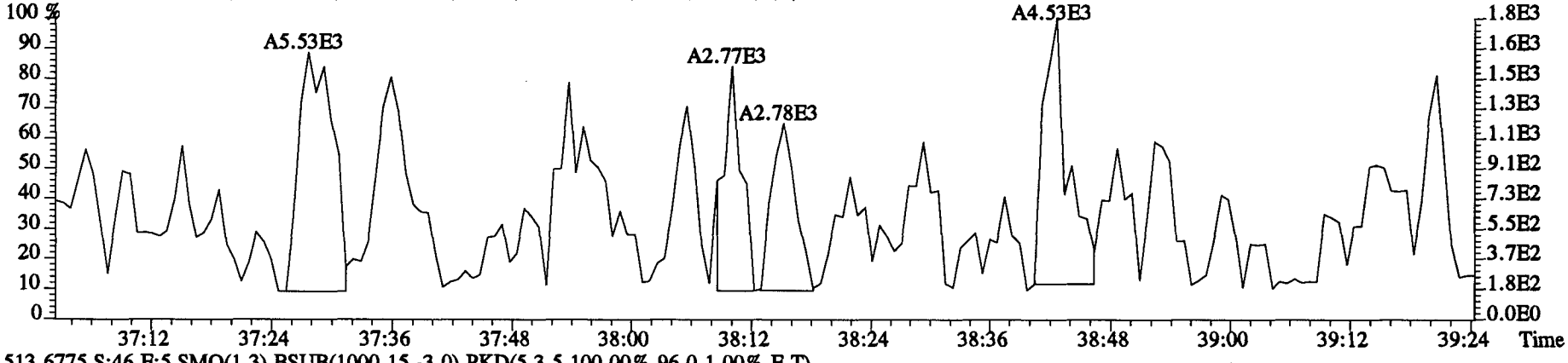
File:30AU104D5 #1-201 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES



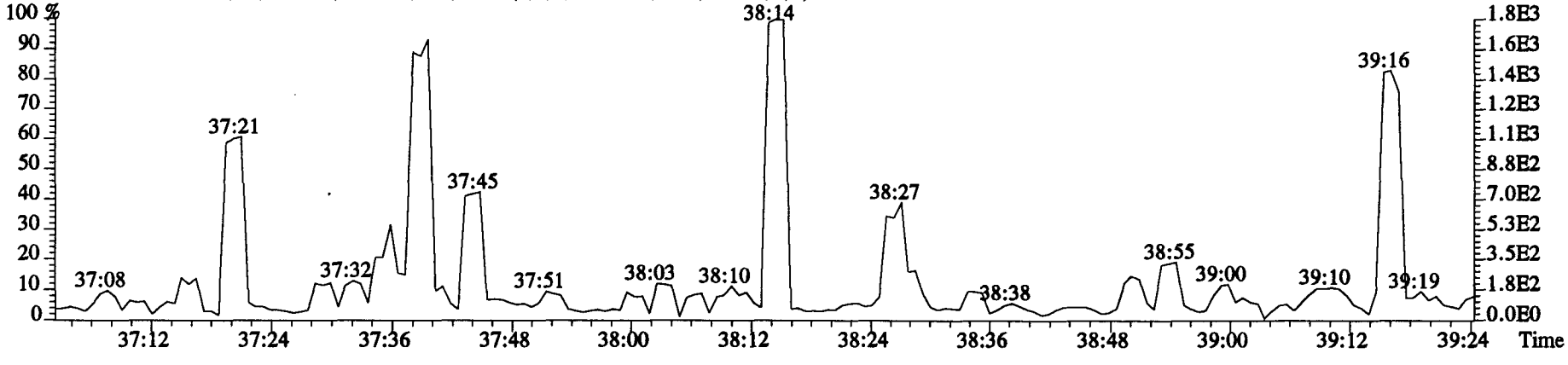
File:30AU104D5 #1-192 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
441.7428 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,488.0,1.00%,F,T)



443.7399 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,932.0,1.00%,F,T)

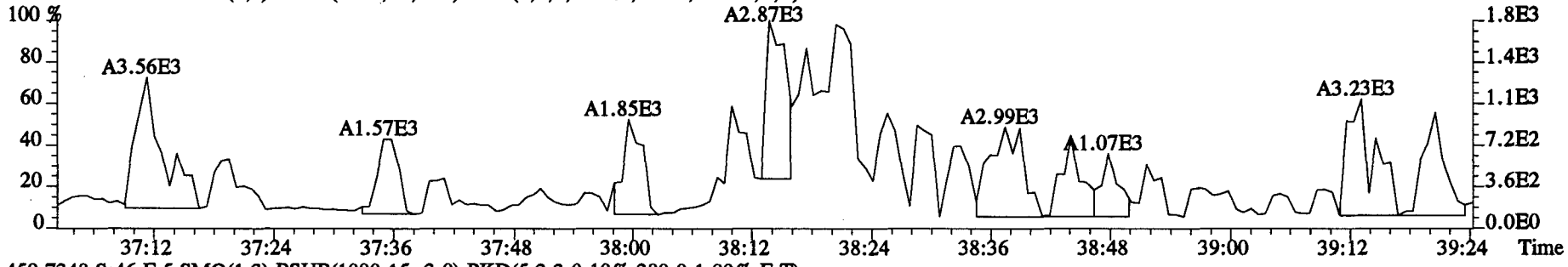


513.6775 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,96.0,1.00%,F,T)

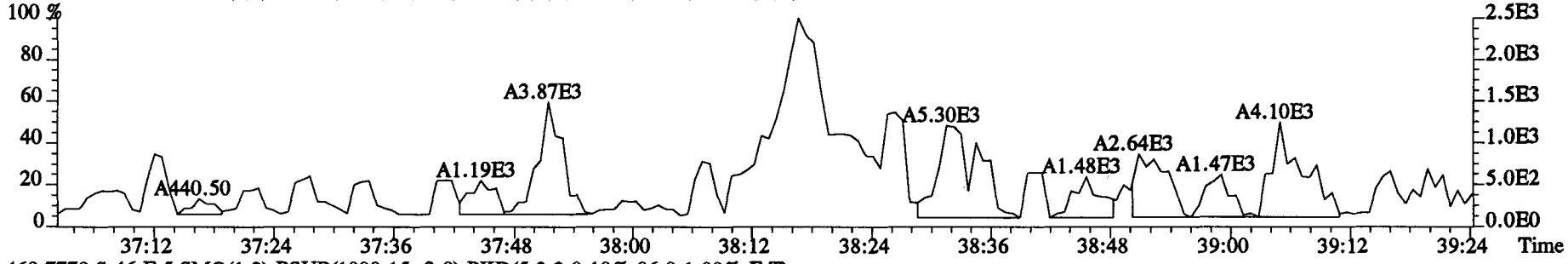


File:30AU104D5 #1-192 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES

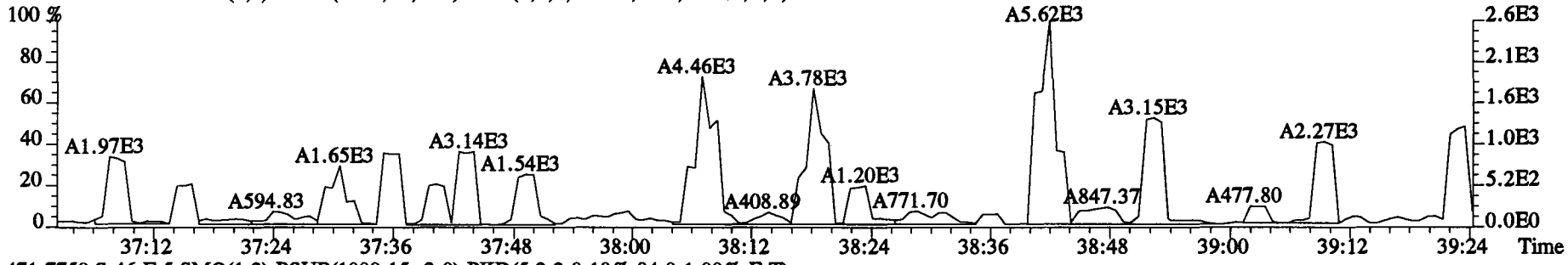
457.7377 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,284.0,1.00%,F,T)



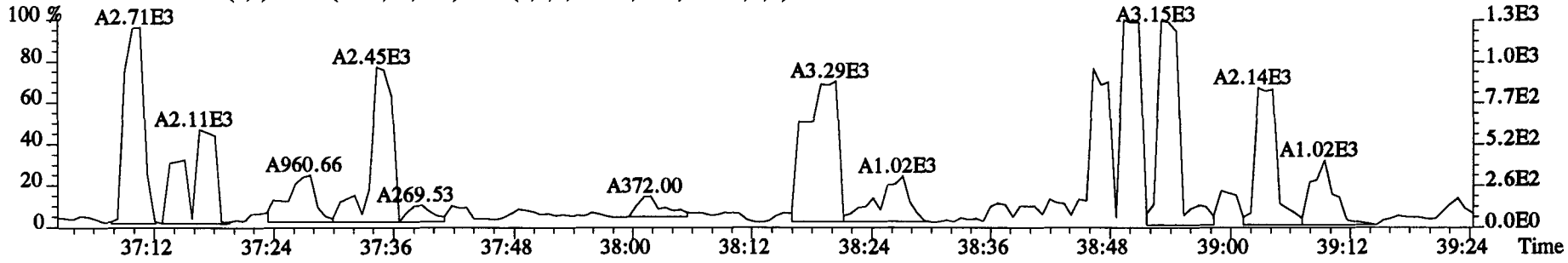
459.7348 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,380.0,1.00%,F,T)



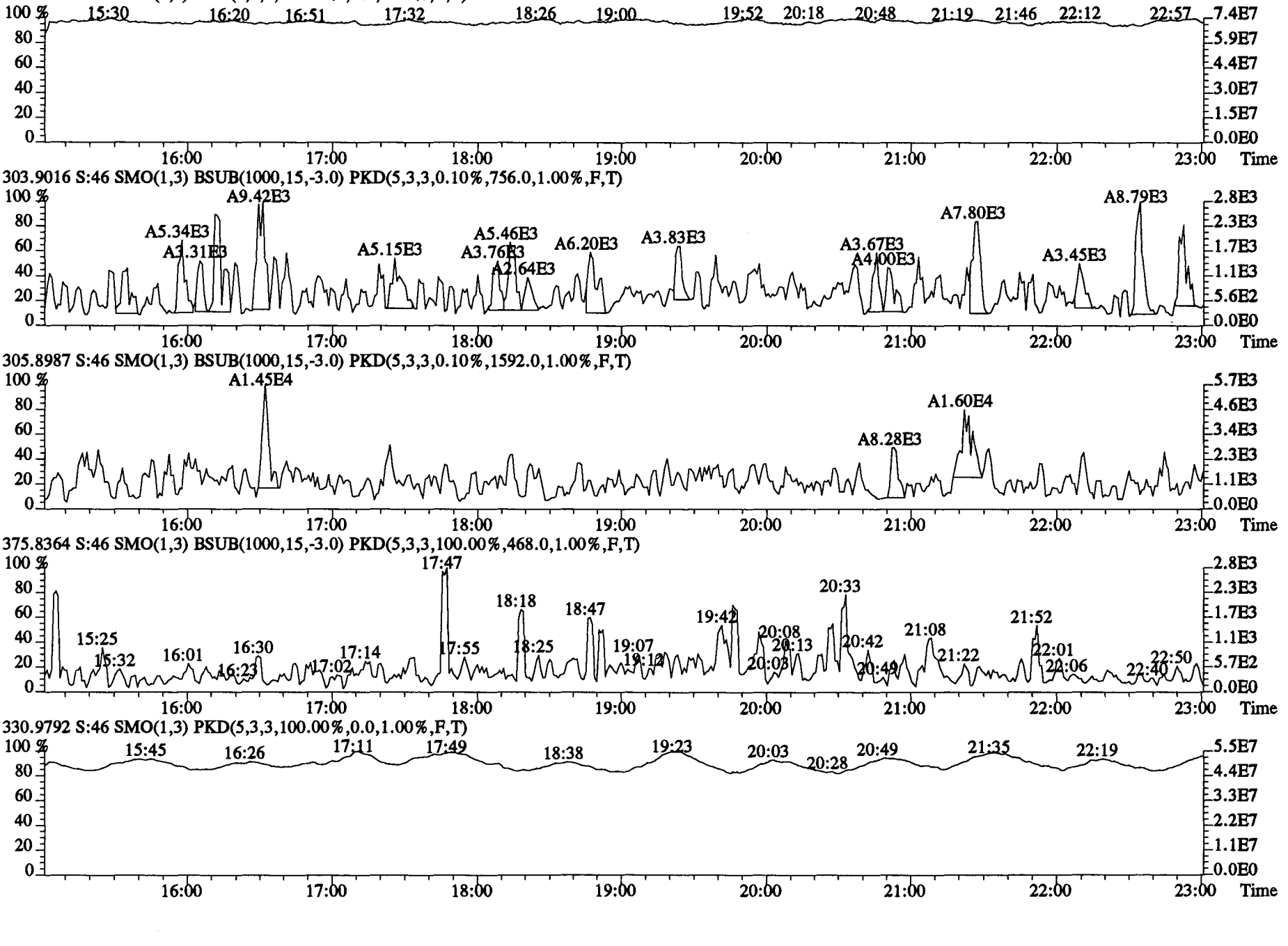
469.7779 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



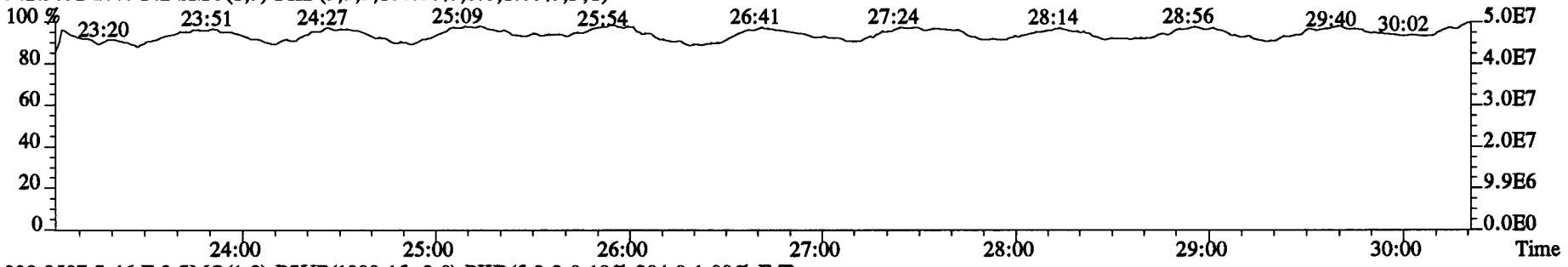
471.7750 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



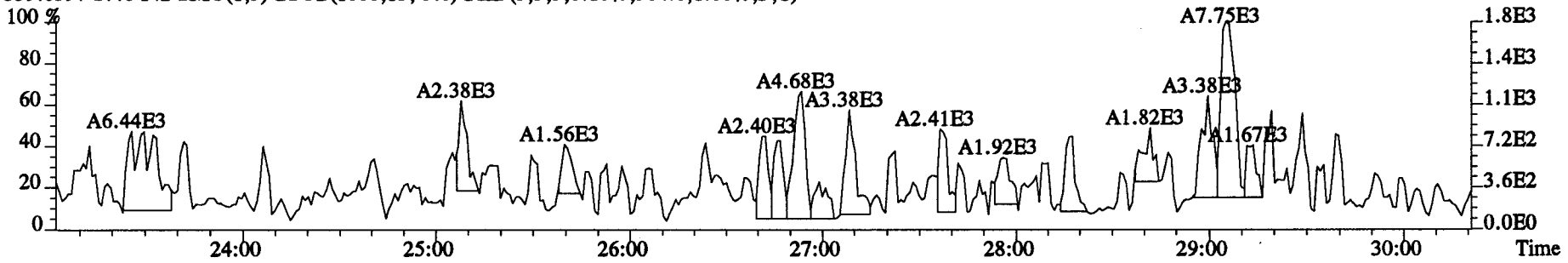
File:30AU104D5 #1-530 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES



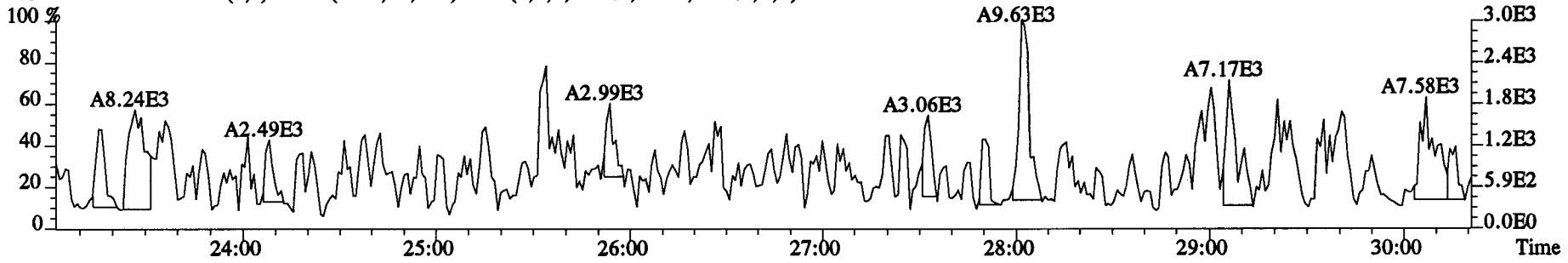
File:30AU104D5 #1-470 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
342.9792 S:46 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



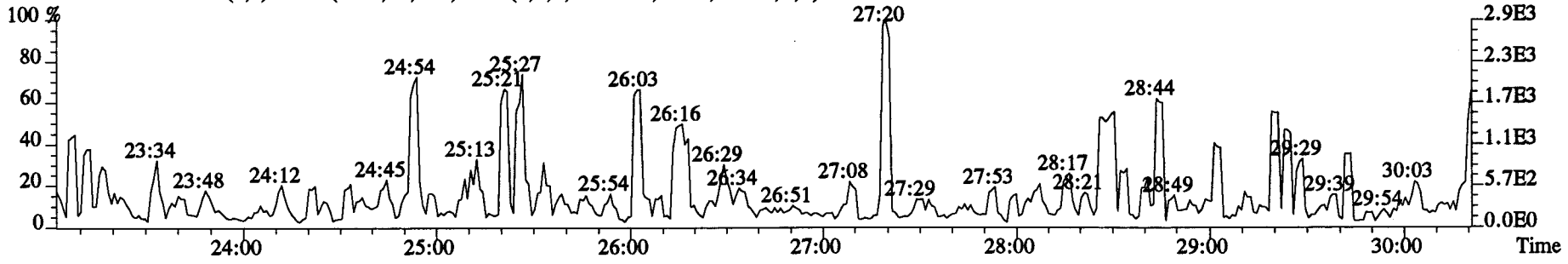
339.8597 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,384.0,1.00%,F,T)



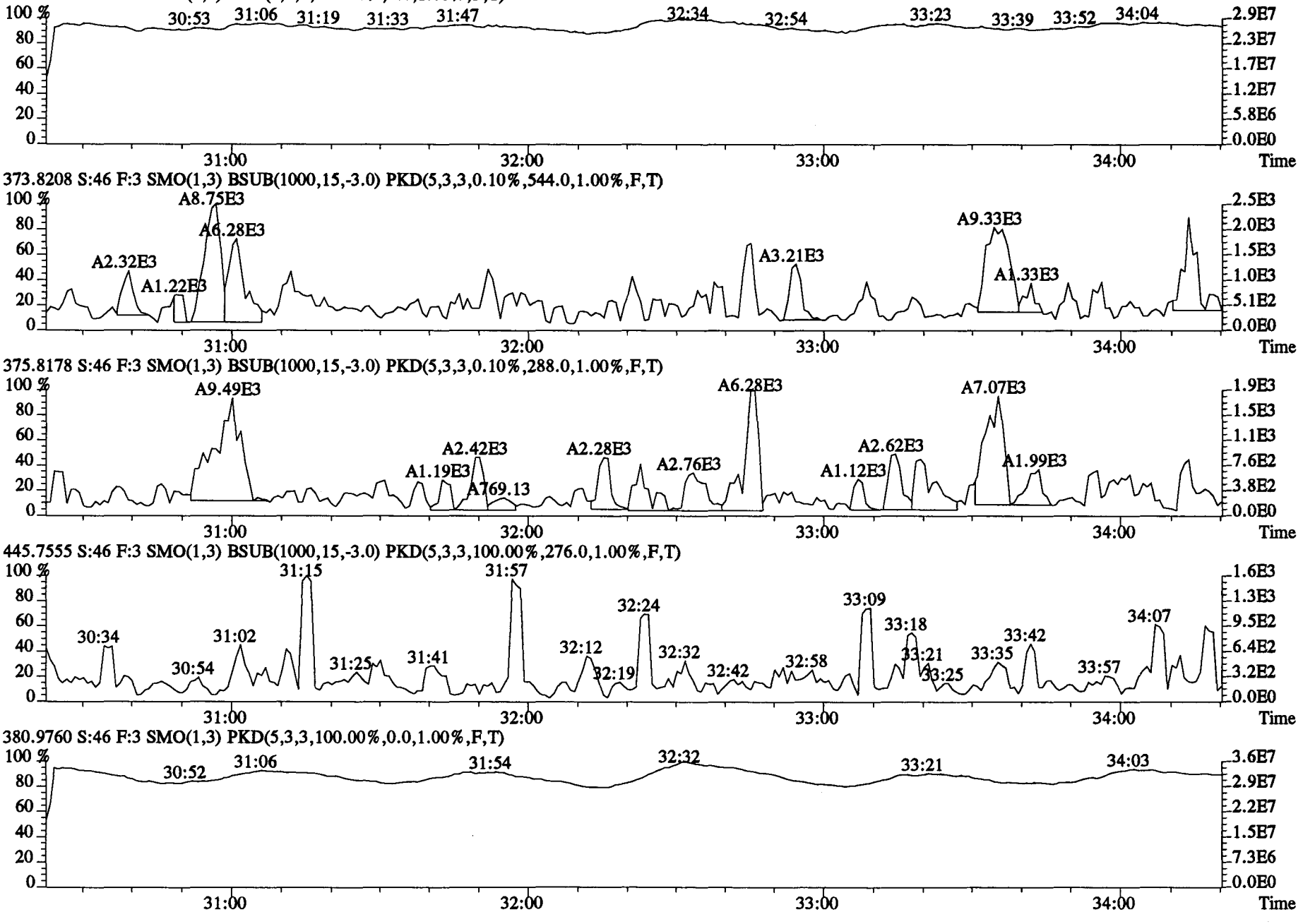
341.8567 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T)



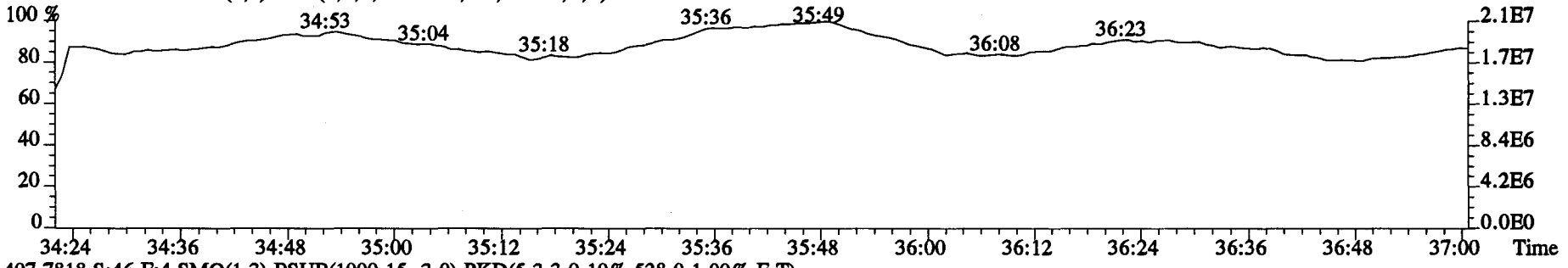
409.7974 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,276.0,1.00%,F,T)



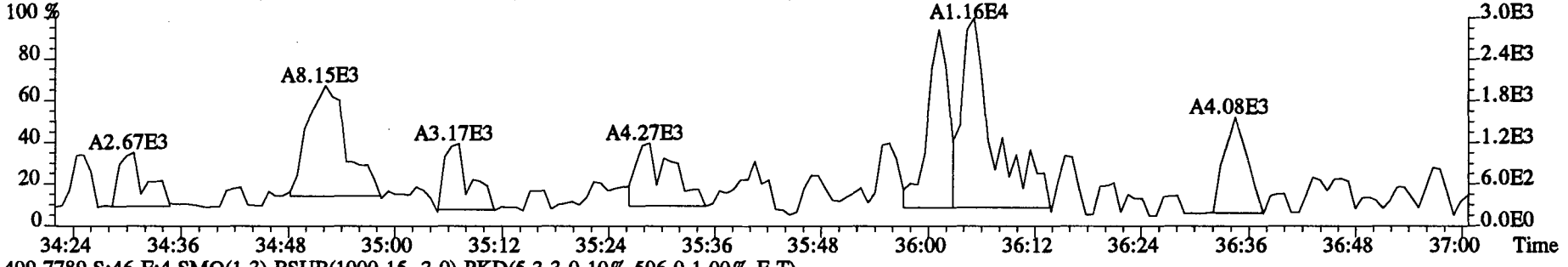
File:30AU104D5 #1-286 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES



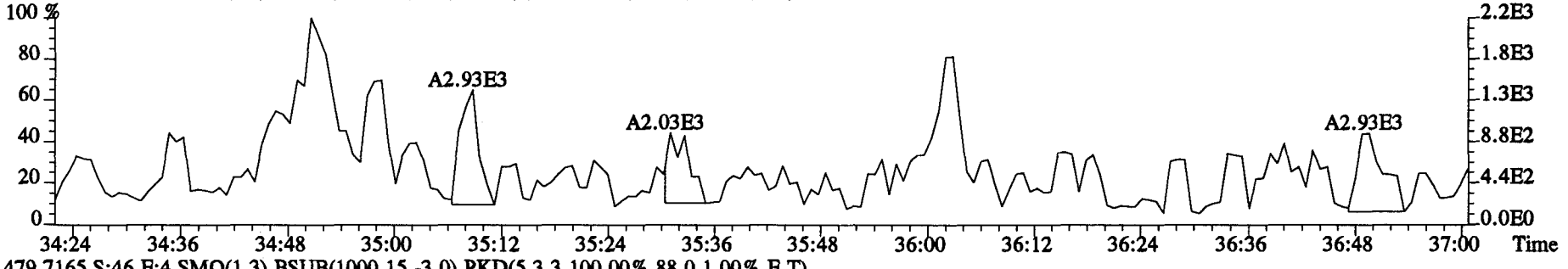
File:30AU104D5 #1-201 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
430.9728 S:46 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



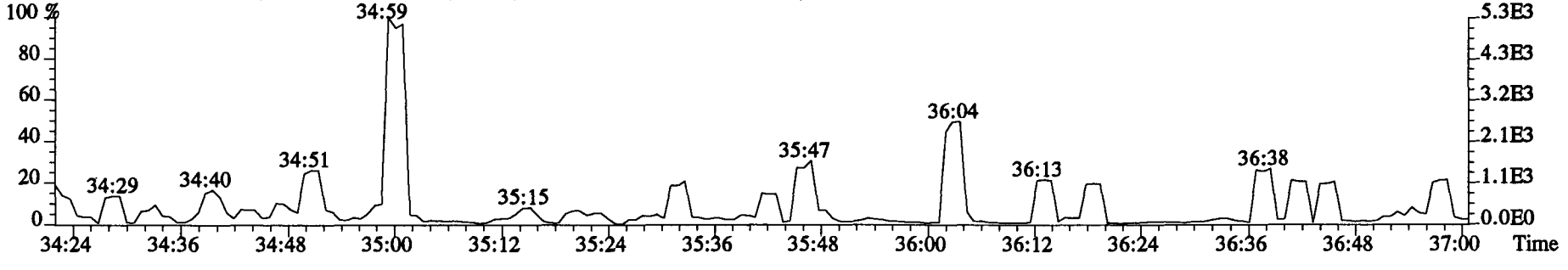
407.7818 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,528.0,1.00%,F,T)



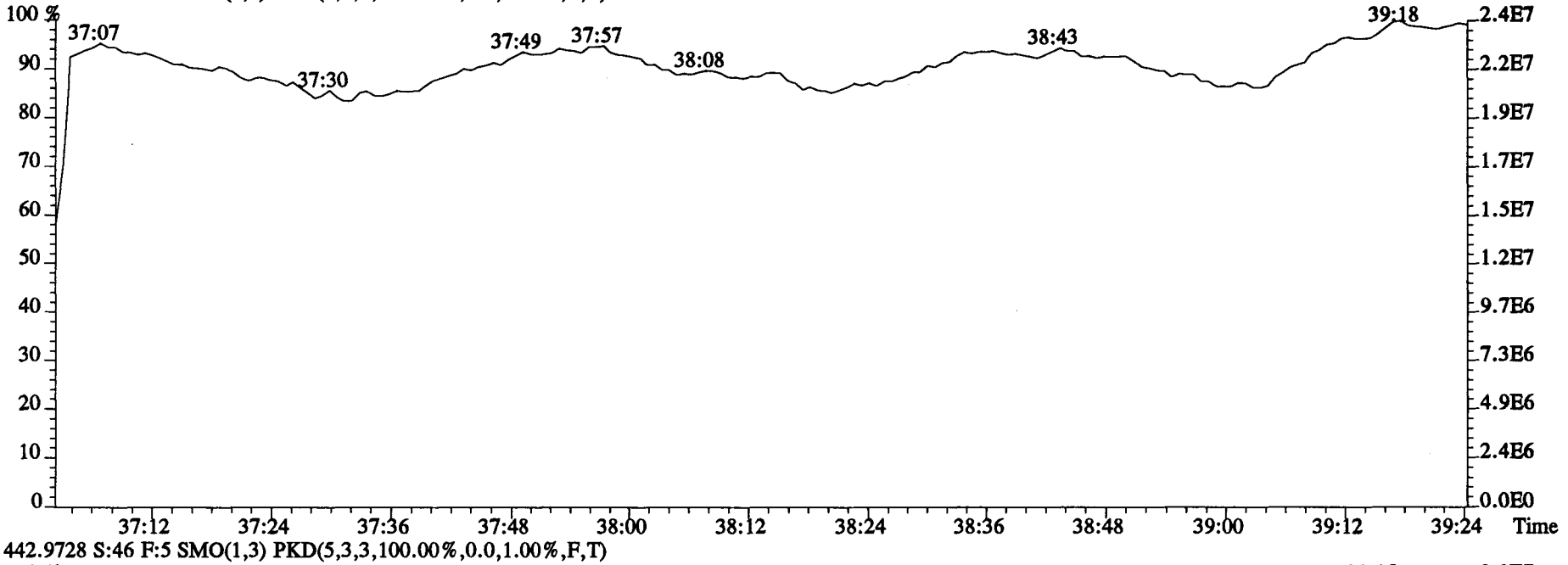
409.7789 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,596.0,1.00%,F,T)



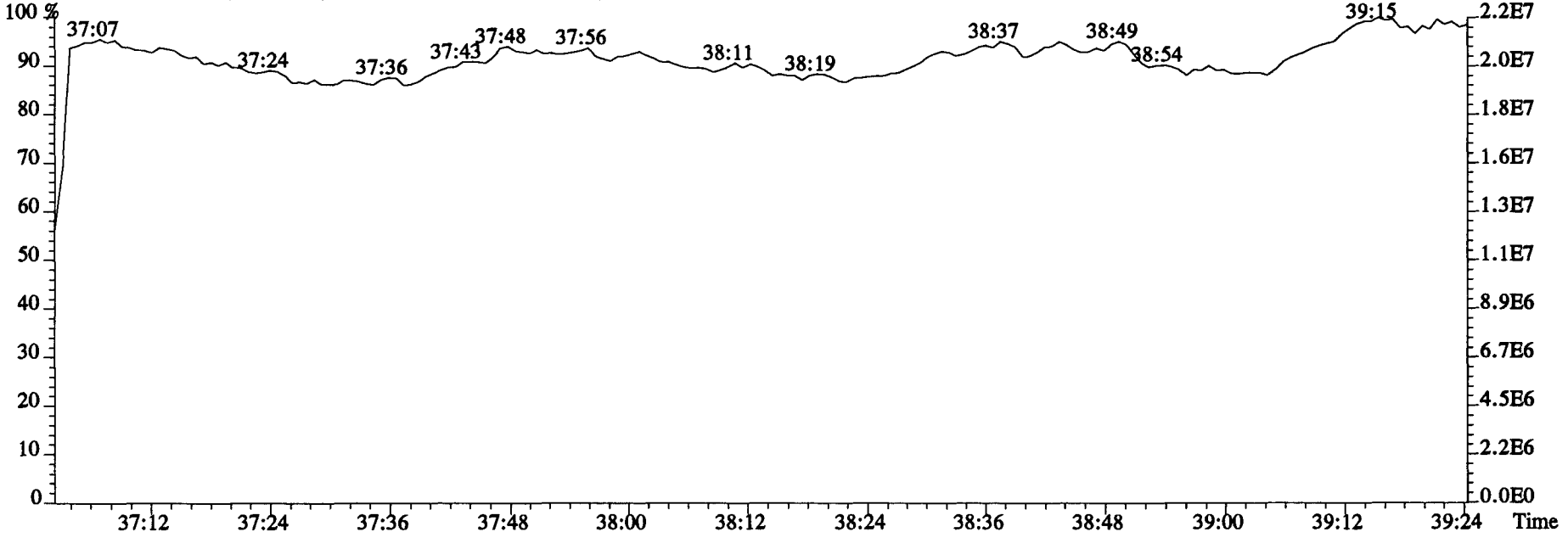
479.7165 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,88.0,1.00%,F,T)



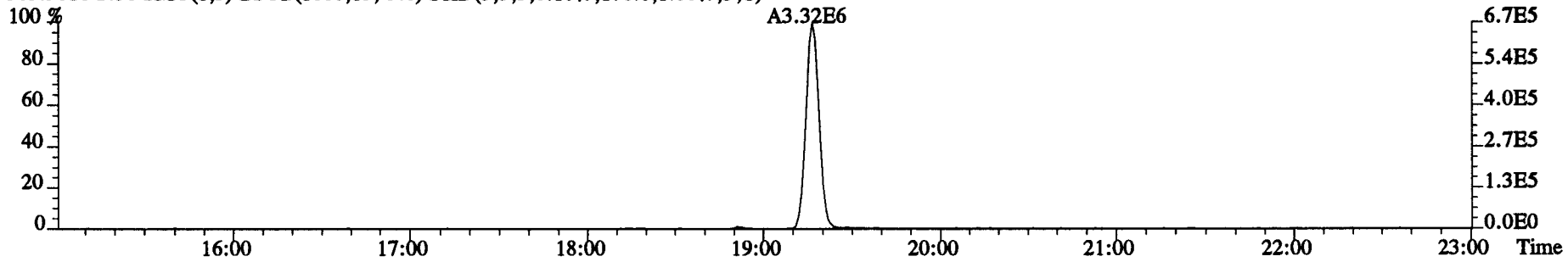
File:30AU104D5 #1-192 Acq:31-AUG-2010 19:10:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:SB0830B :Solvent Blank C-14 Exp:DIOXINRES
454.9728 S:46 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



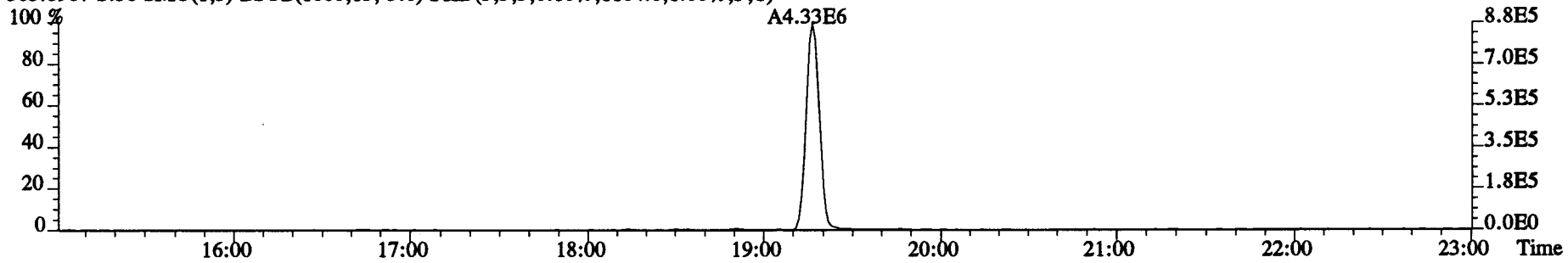
442.9728 S:46 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



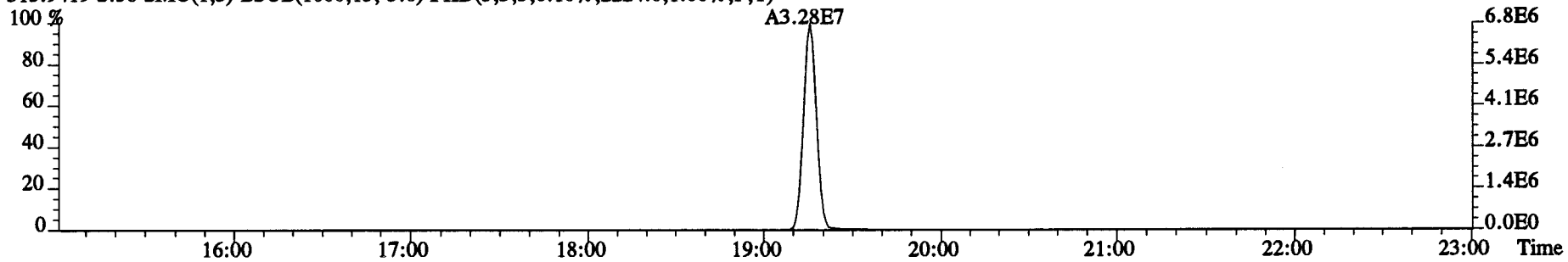
File:30AU104D5 #1-530 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
303.9016 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)



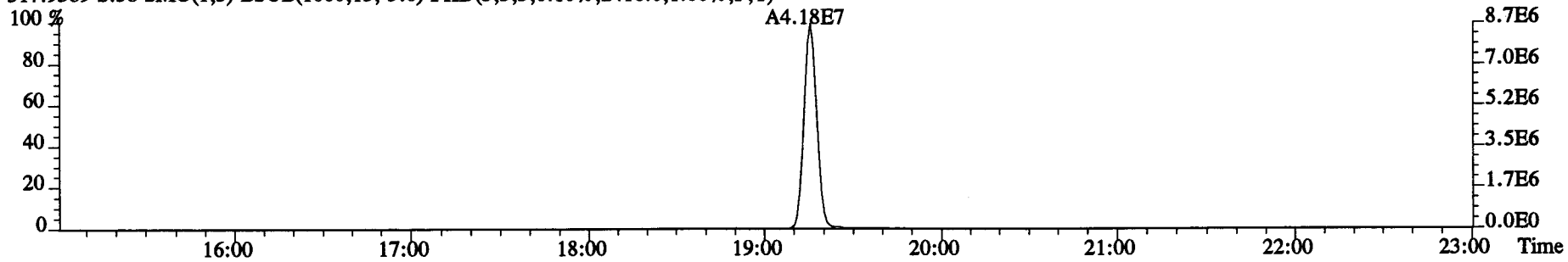
305.8987 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1184.0,1.00%,F,T)



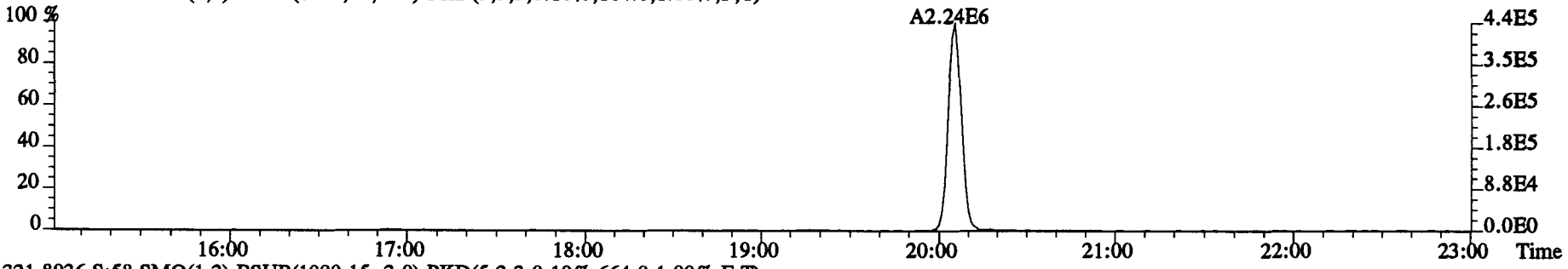
315.9419 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2224.0,1.00%,F,T)



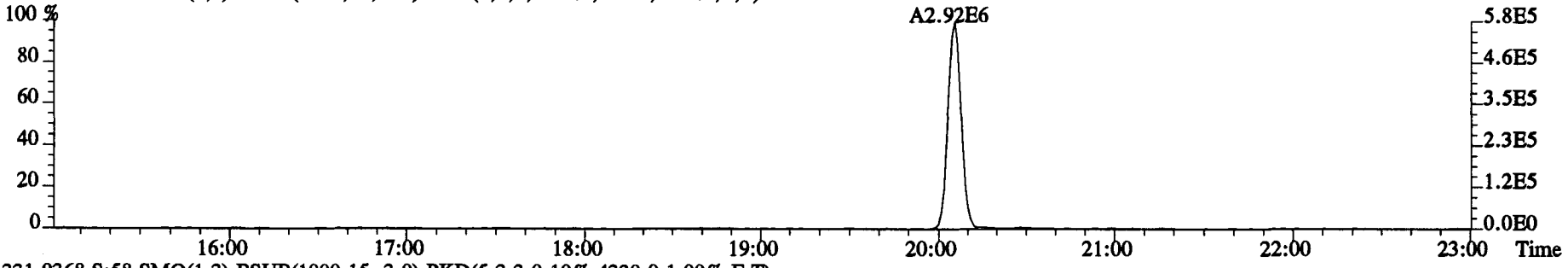
317.9389 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T)



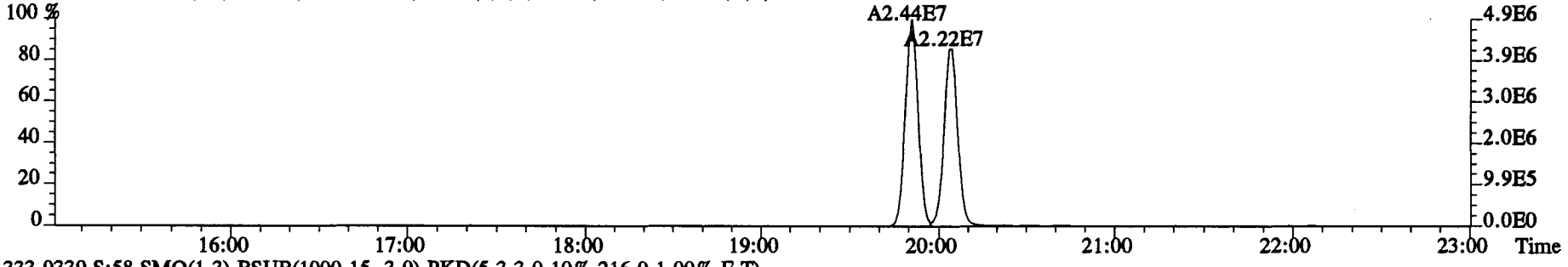
File:30AU104D5 #1-530 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
319.8965 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,164.0,1.00%,F,T)



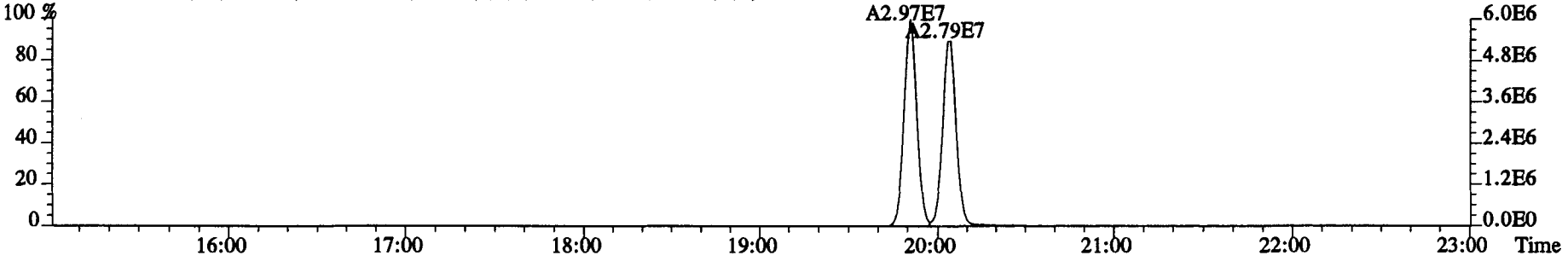
321.8936 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,664.0,1.00%,F,T)



331.9368 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4320.0,1.00%,F,T)

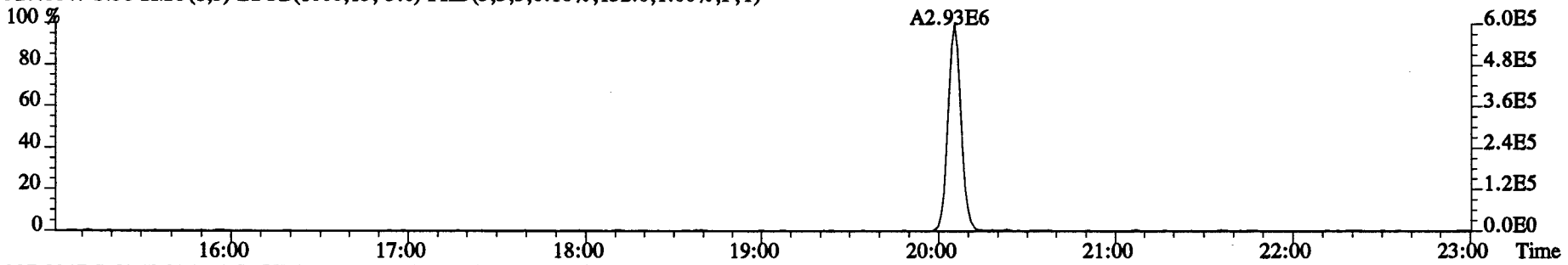


333.9339 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,216.0,1.00%,F,T)

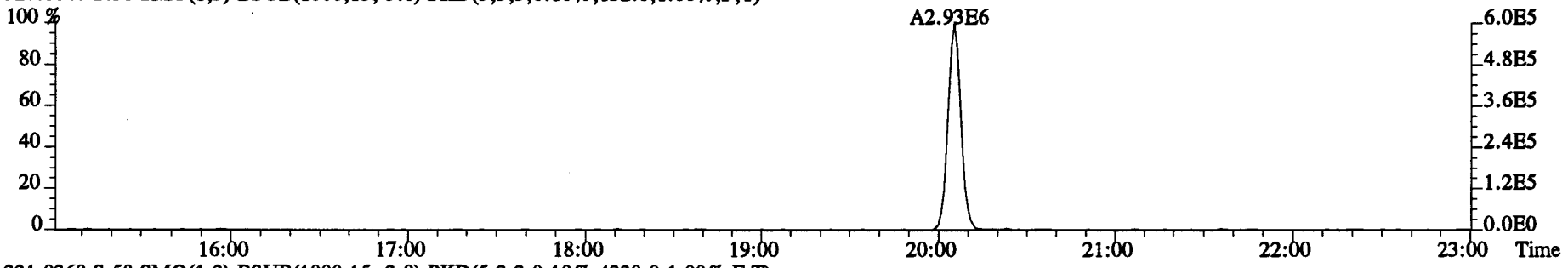


File:30AU104D5 #1-530 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

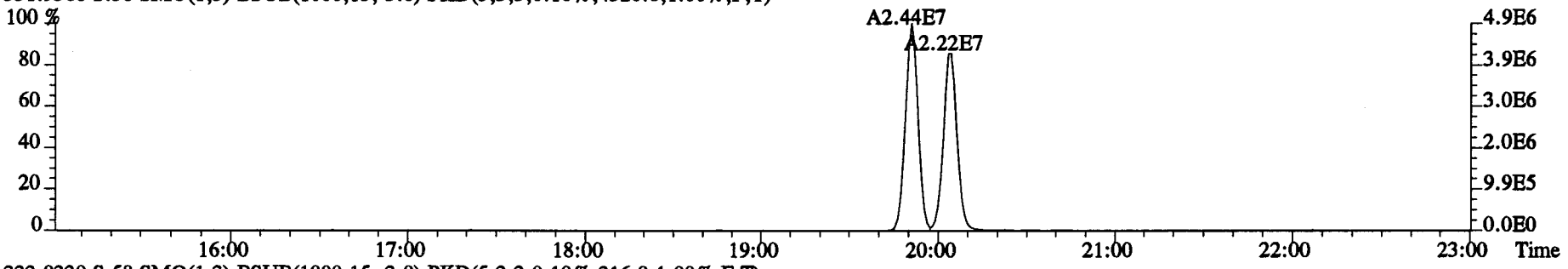
327.8847 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



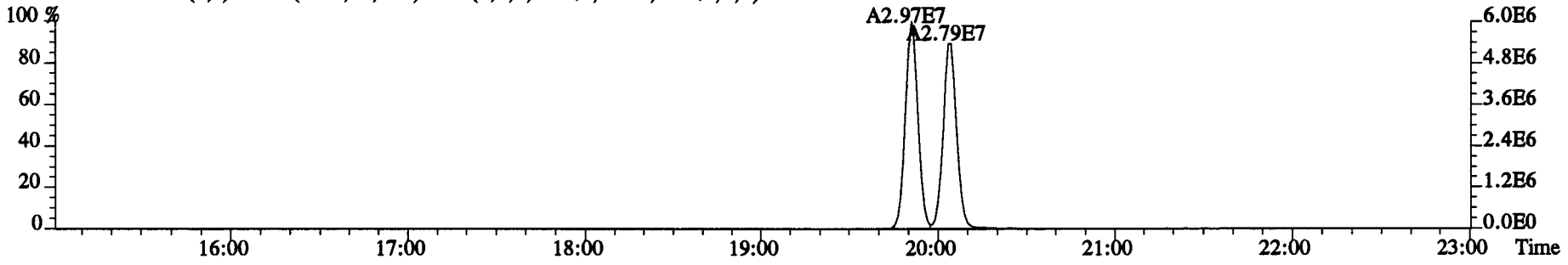
327.8847 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



331.9368 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4320.0,1.00%,F,T)

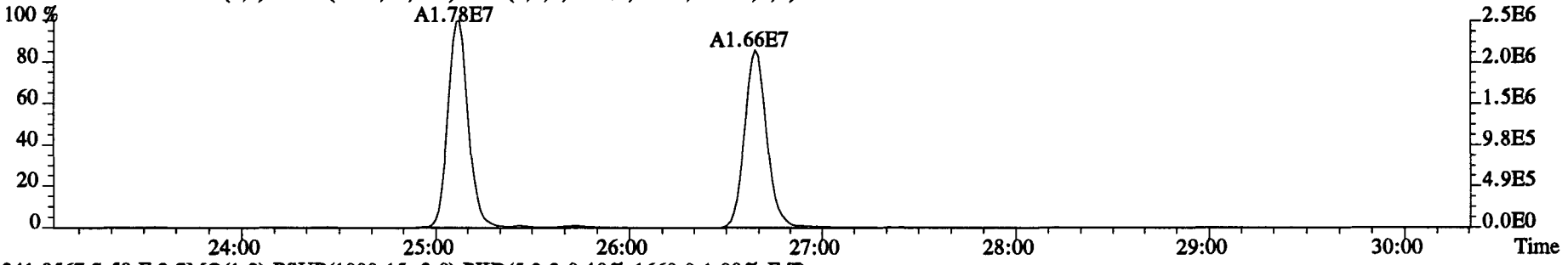


333.9339 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,216.0,1.00%,F,T)

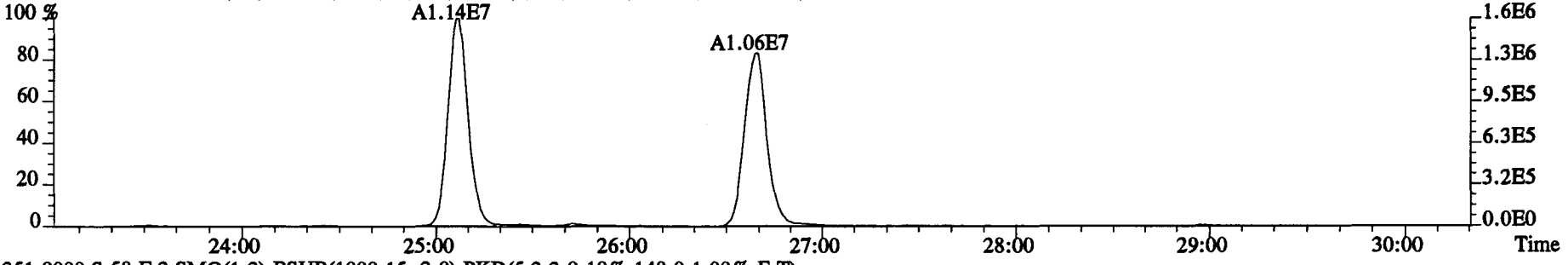


File:30AU104D5 #1-470 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

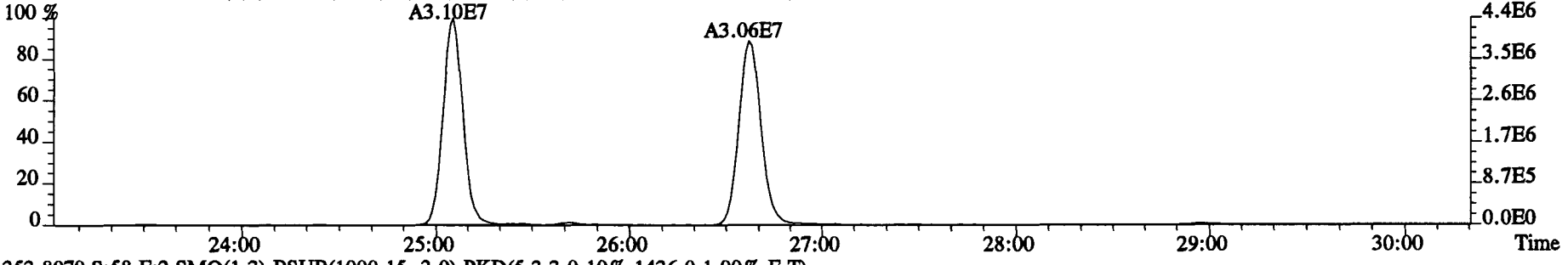
339.8597 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,860.0,1.00%,F,T)



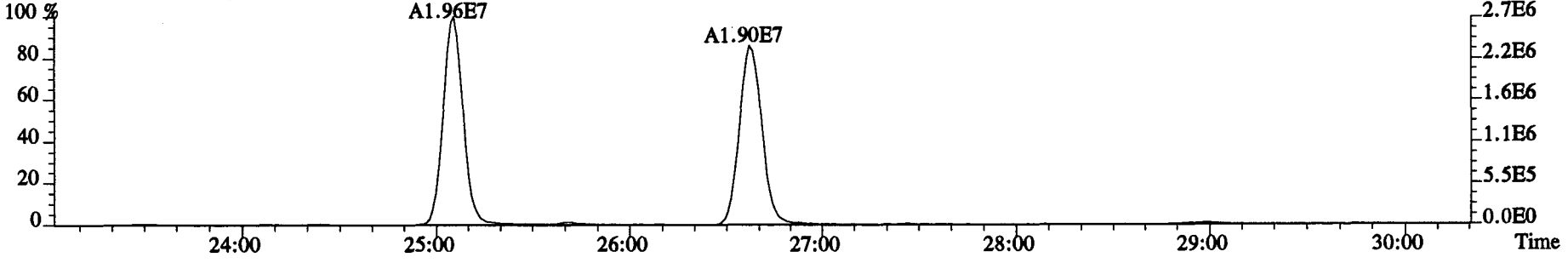
341.8567 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1660.0,1.00%,F,T)



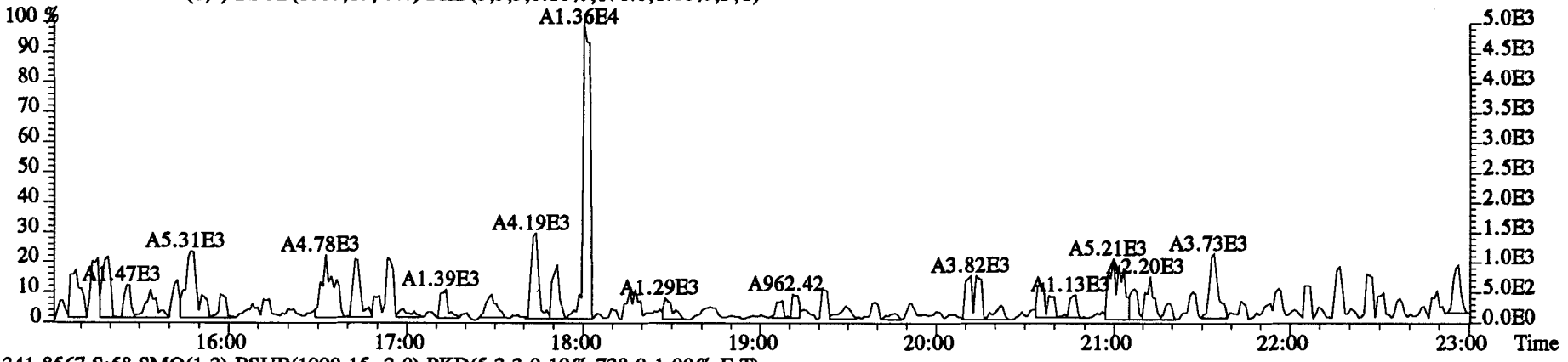
351.9000 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,148.0,1.00%,F,T)



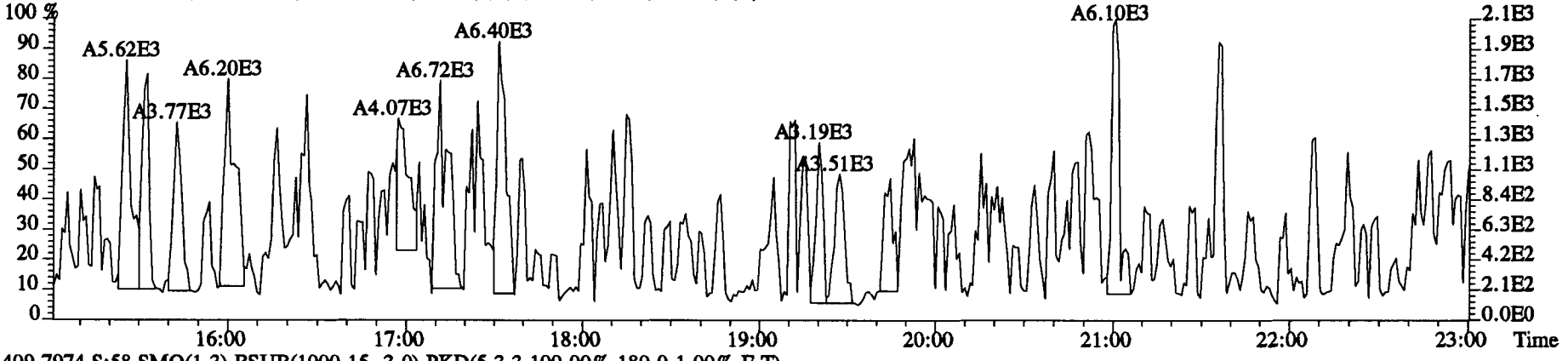
353.8970 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1436.0,1.00%,F,T)



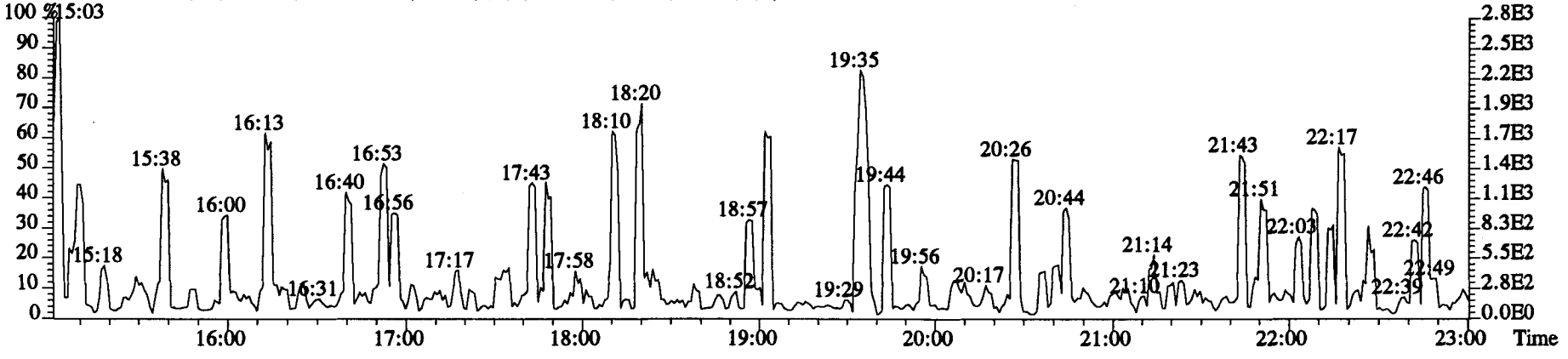
File:30AU104D5 #1-530 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)



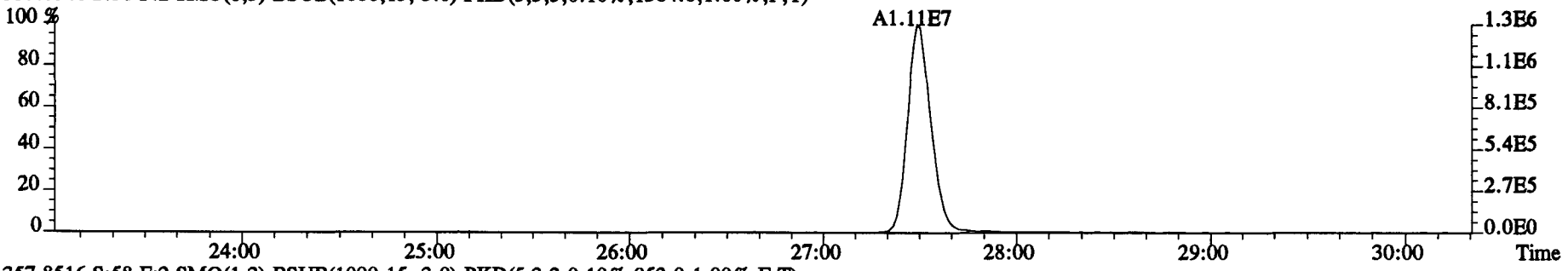
341.8567 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,728.0,1.00%,F,T)



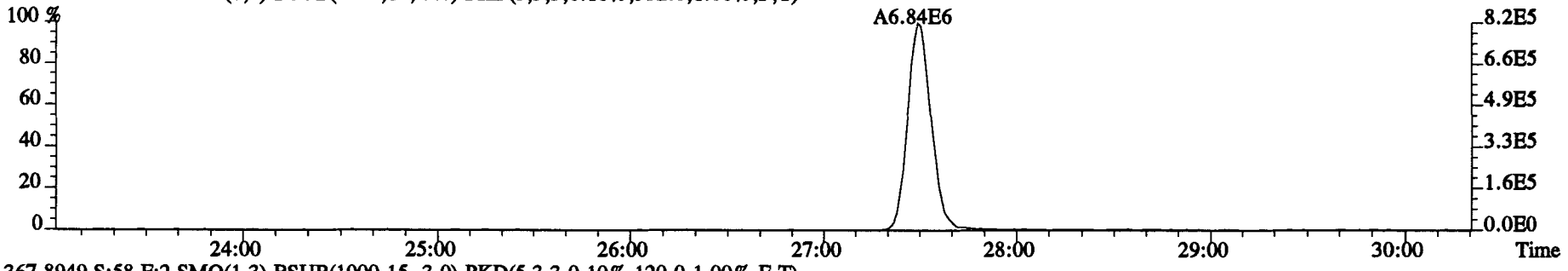
409.7974 S:58 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,180.0,1.00%,F,T)



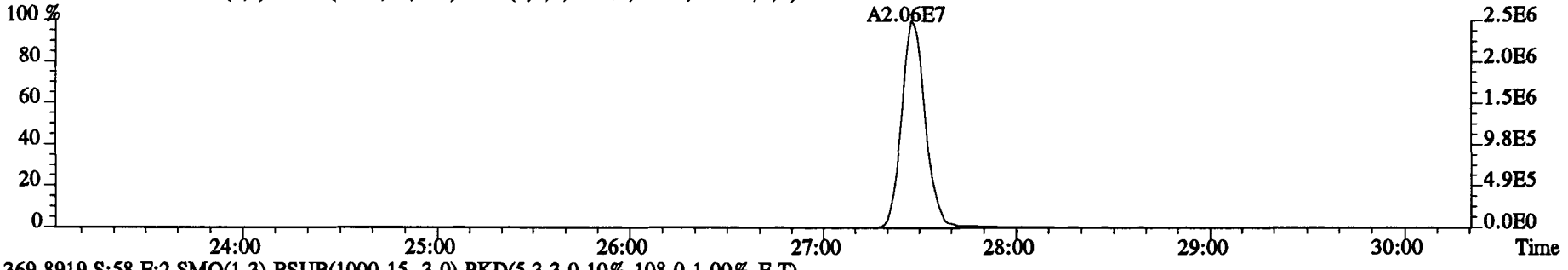
File:30AU104D5 #1-470 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
355.8546 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1384.0,1.00%,F,T)



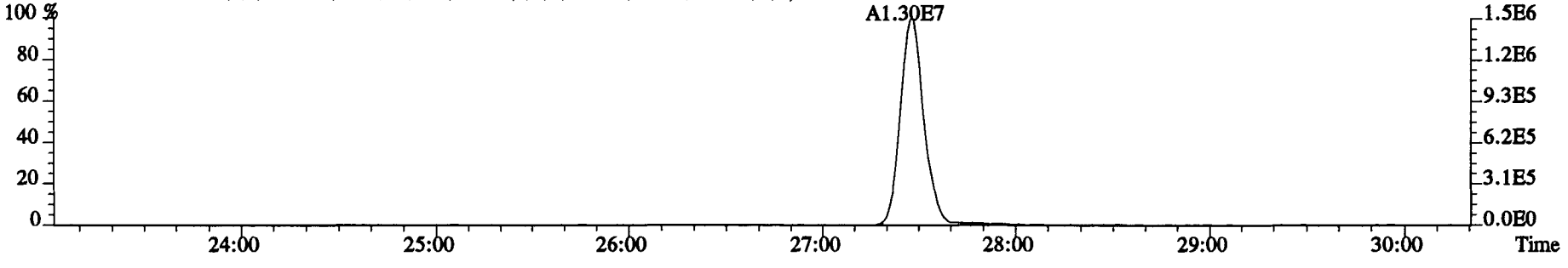
357.8516 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,952.0,1.00%,F,T)



367.8949 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,120.0,1.00%,F,T)

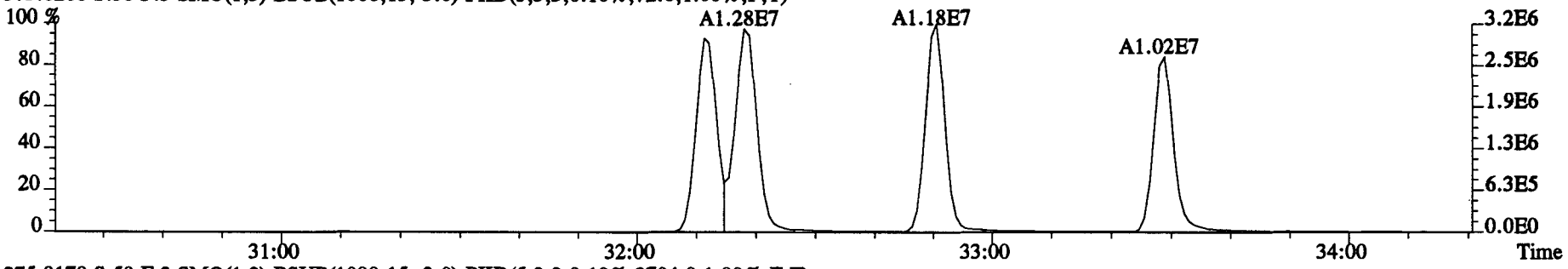


369.8919 S:58 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)

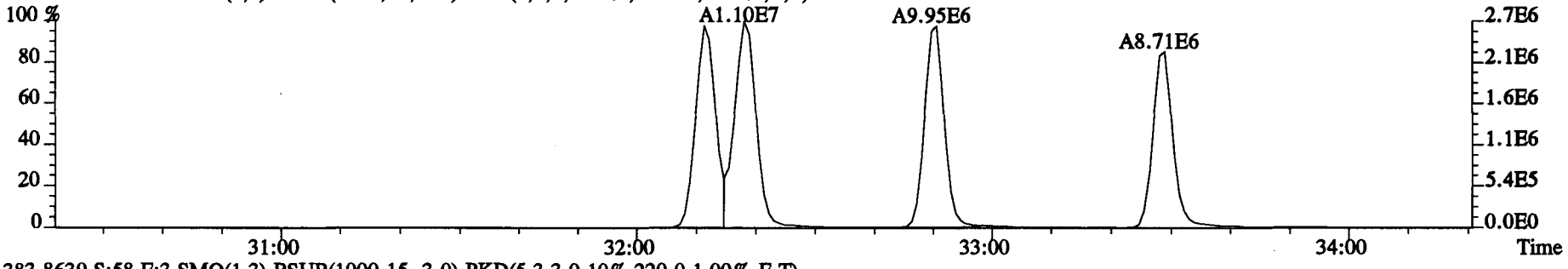


File:30AU104D5 #1-287 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

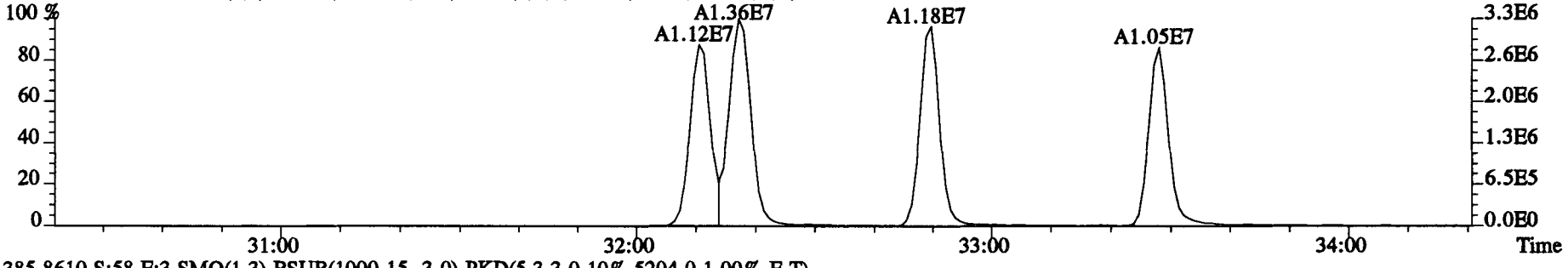
373.8208 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



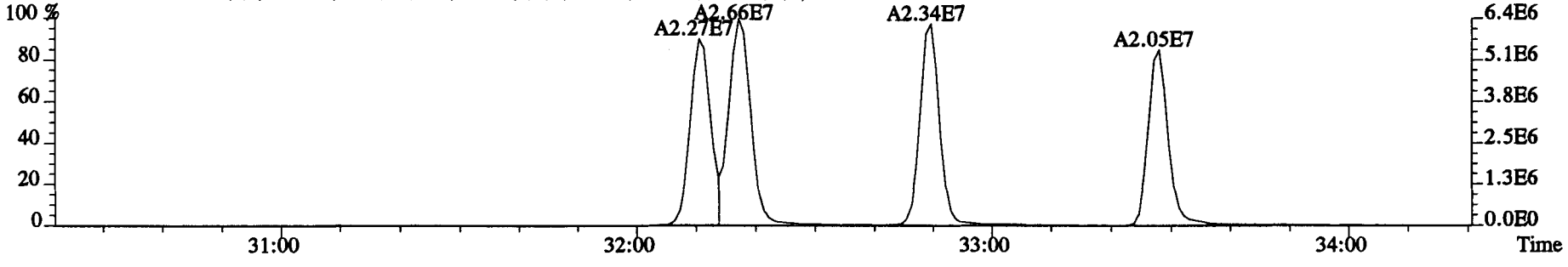
375.8178 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)



383.8639 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,220.0,1.00%,F,T)

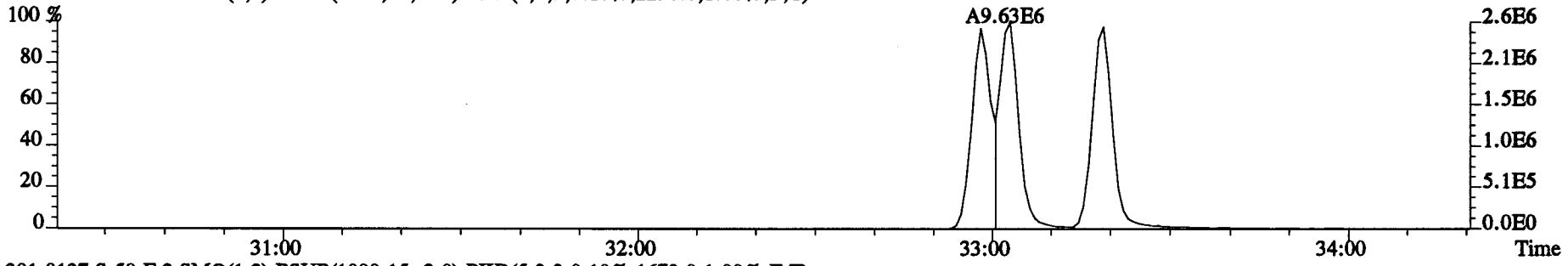


385.8610 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5204.0,1.00%,F,T)

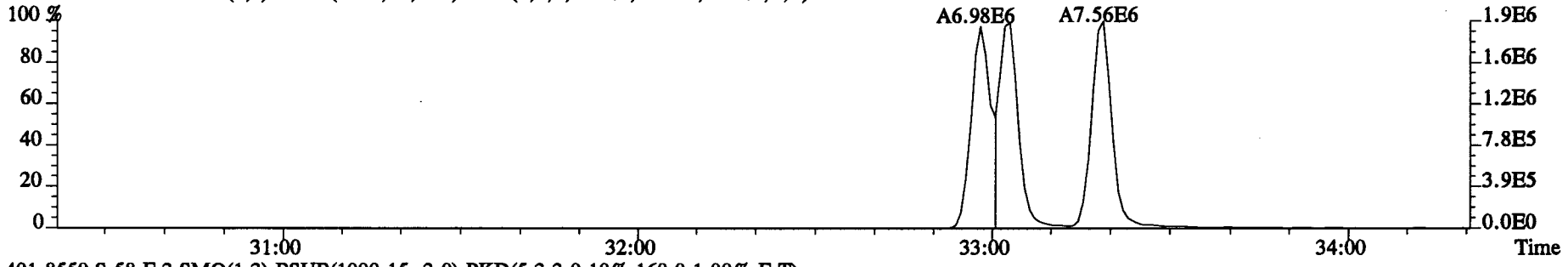


File:30AU104D5 #1-287 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

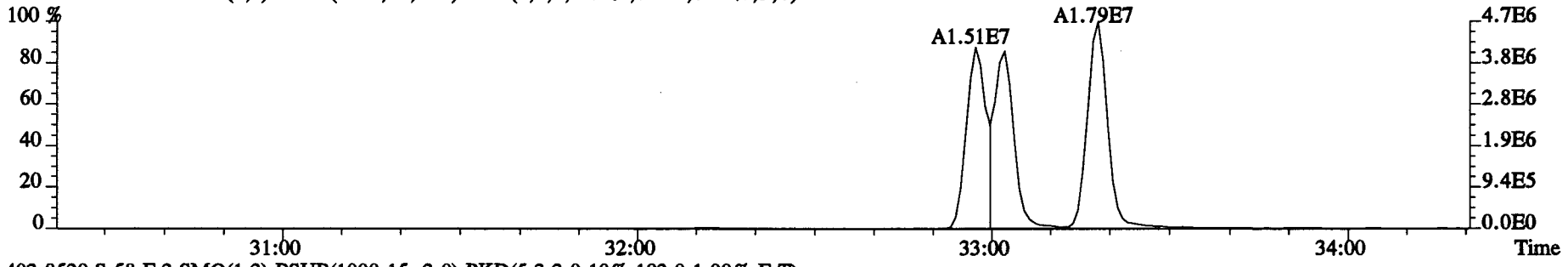
389.8157 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2296.0,1.00%,F,T)



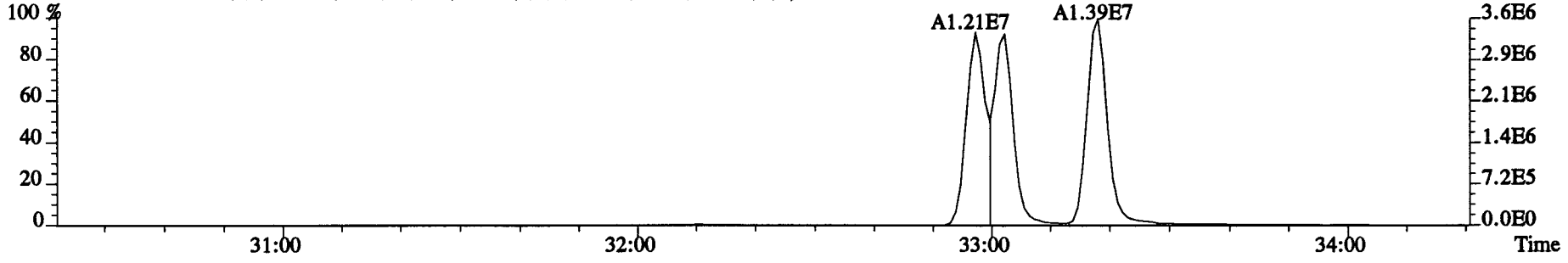
391.8127 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1672.0,1.00%,F,T)



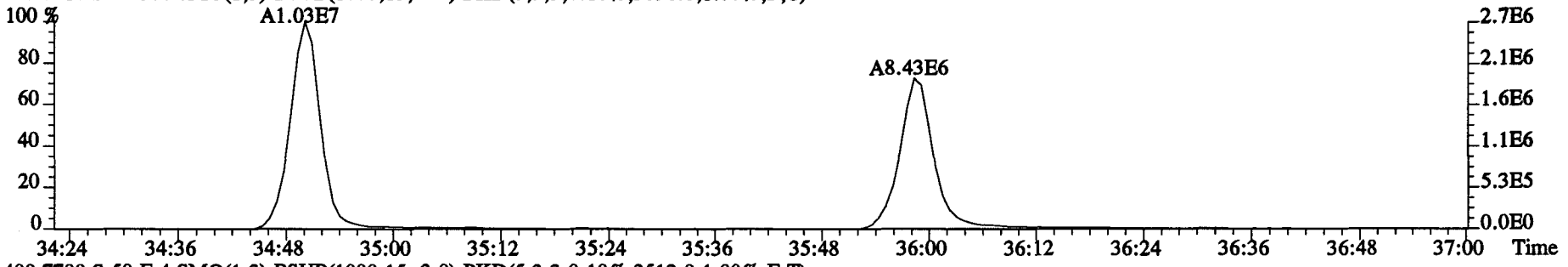
401.8559 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)



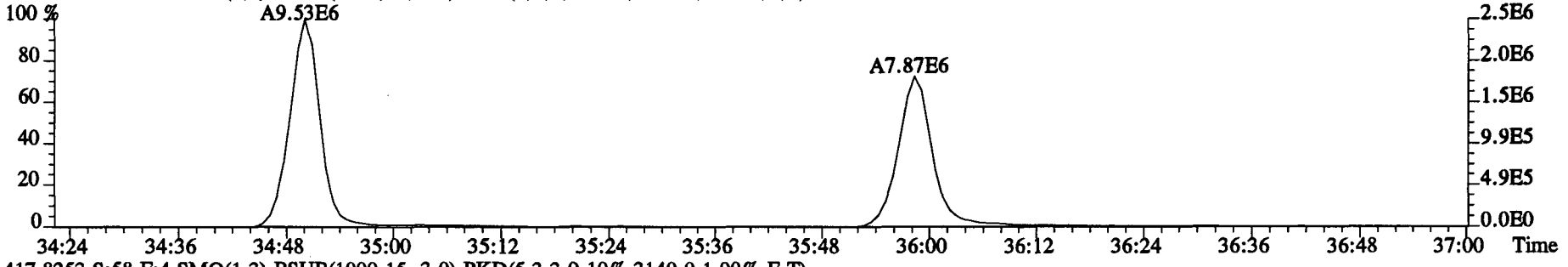
403.8529 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,192.0,1.00%,F,T)



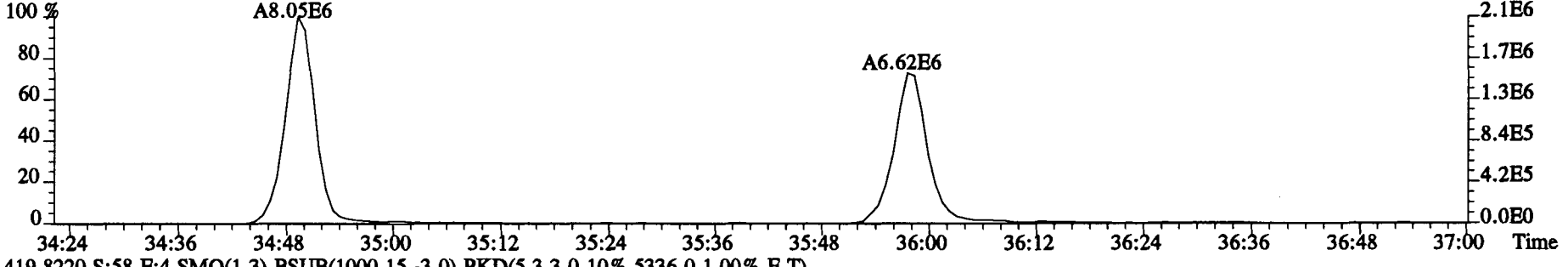
File:30AU104D5 #1-200 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
407.7818 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3896.0,1.00%,F,T)



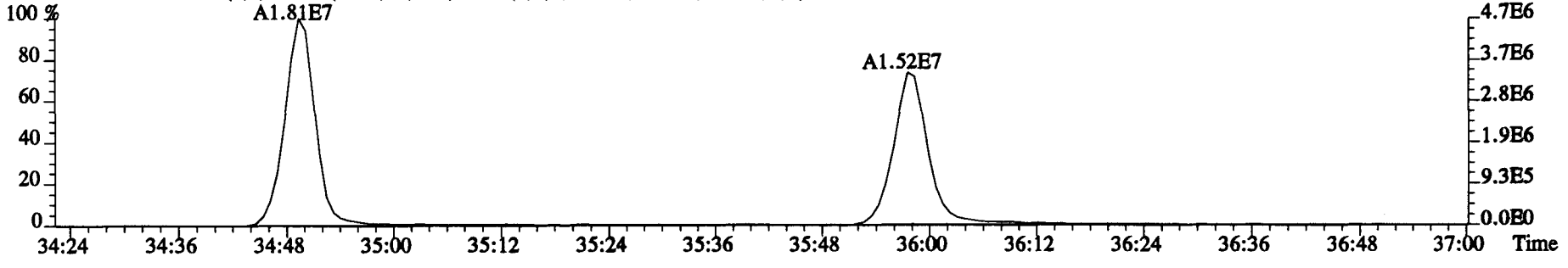
409.7789 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2512.0,1.00%,F,T)



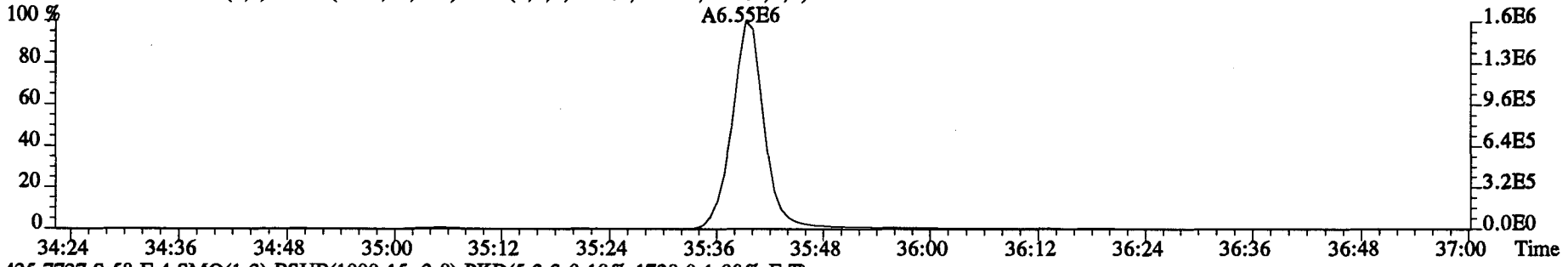
417.8253 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



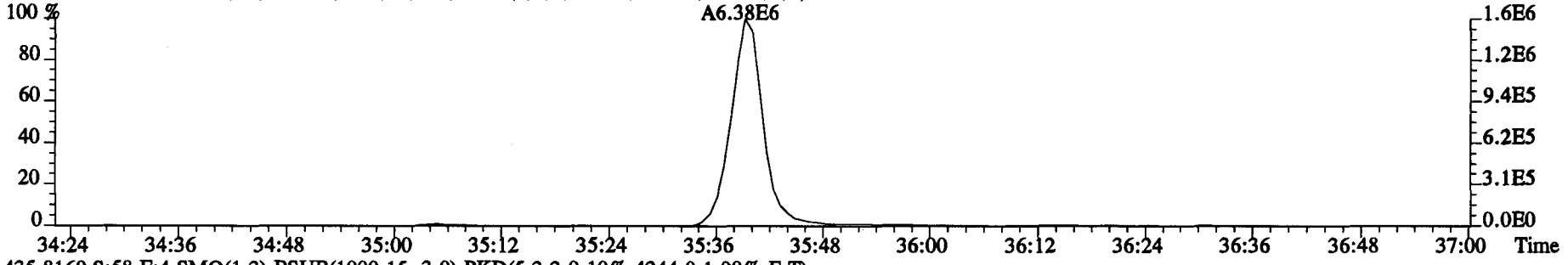
419.8220 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5336.0,1.00%,F,T)



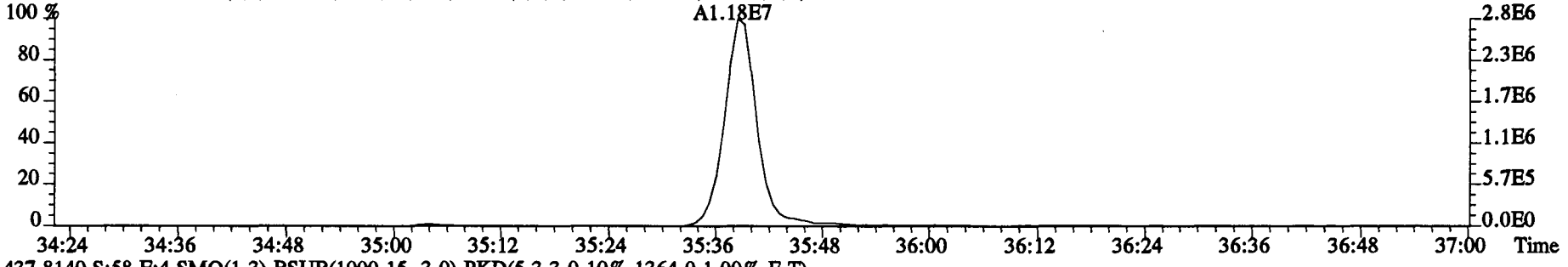
File:30AU104D5 #1-200 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
423.7766 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1576.0,1.00%,F,T)



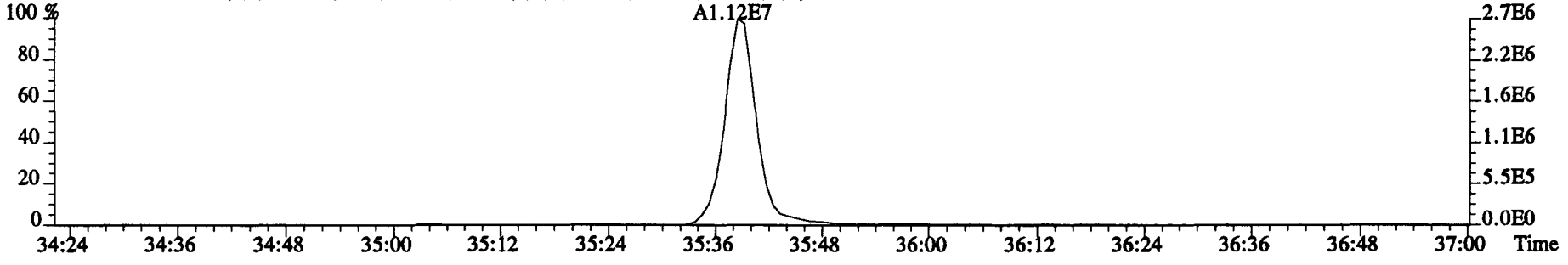
425.7737 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1728.0,1.00%,F,T)



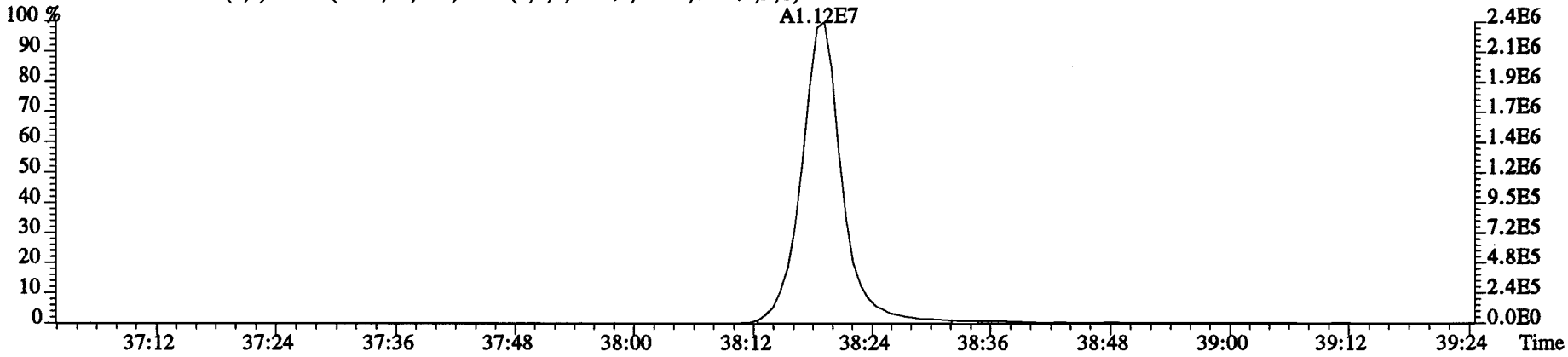
435.8169 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4244.0,1.00%,F,T)



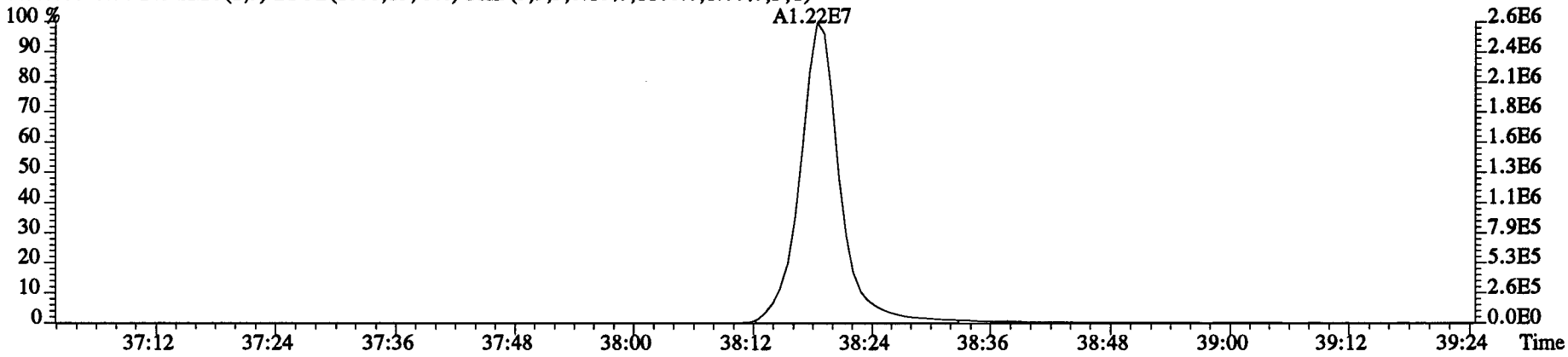
437.8140 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364.0,1.00%,F,T)



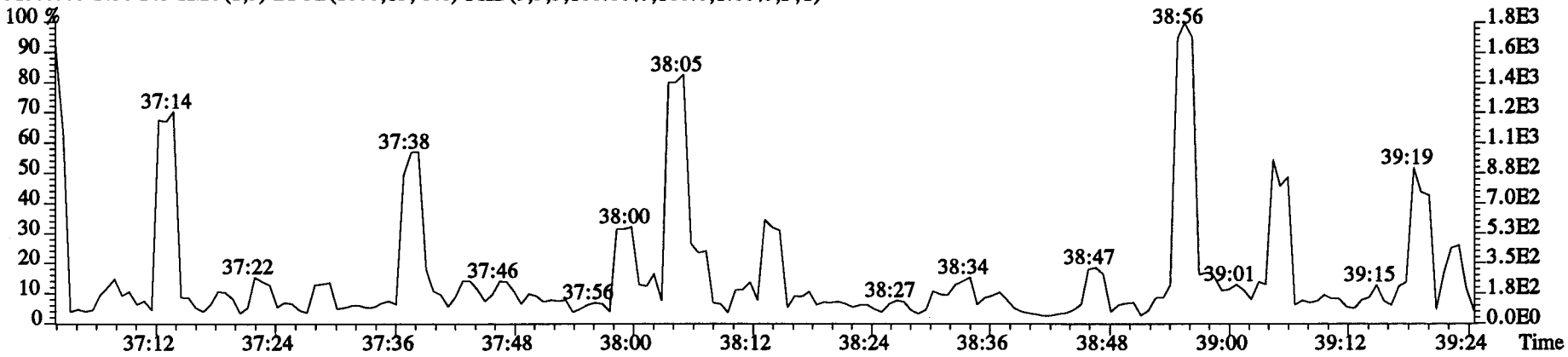
File:30AU104D5 #1-193 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:58 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,916.0,1.00%,F,T)



443.7399 S:58 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1160.0,1.00%,F,T)

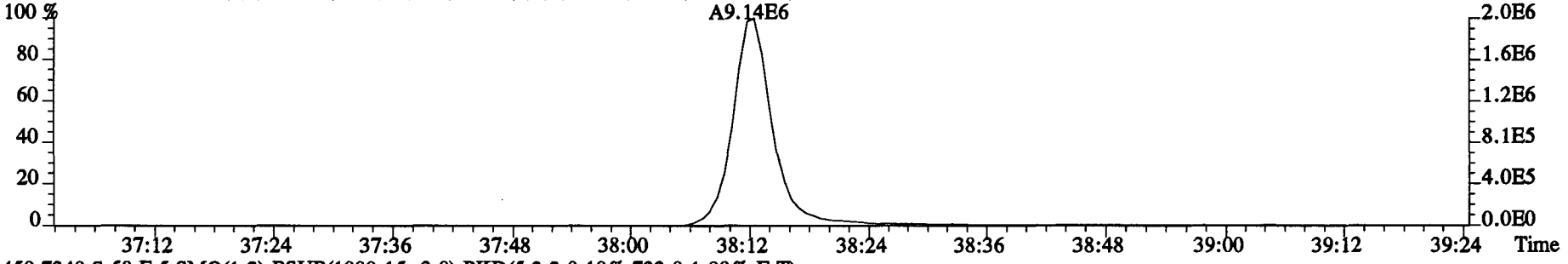


513.6775 S:58 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,160.0,1.00%,F,T)

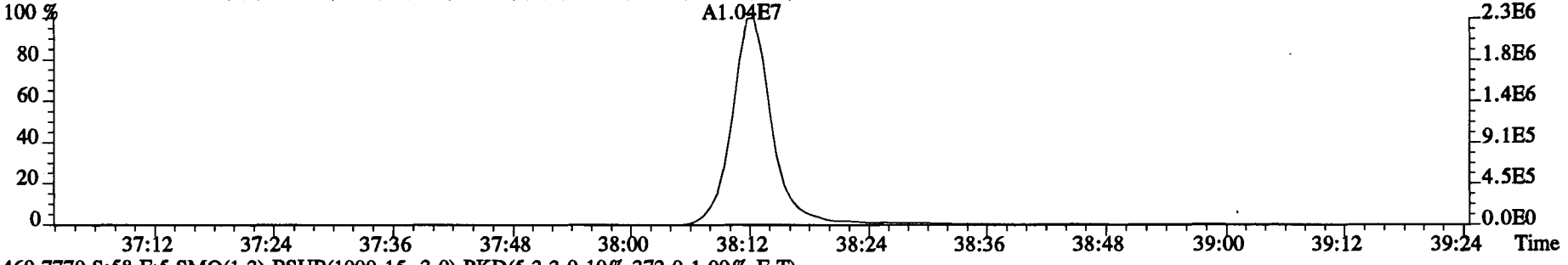


File:30AU104D5 #1-193 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

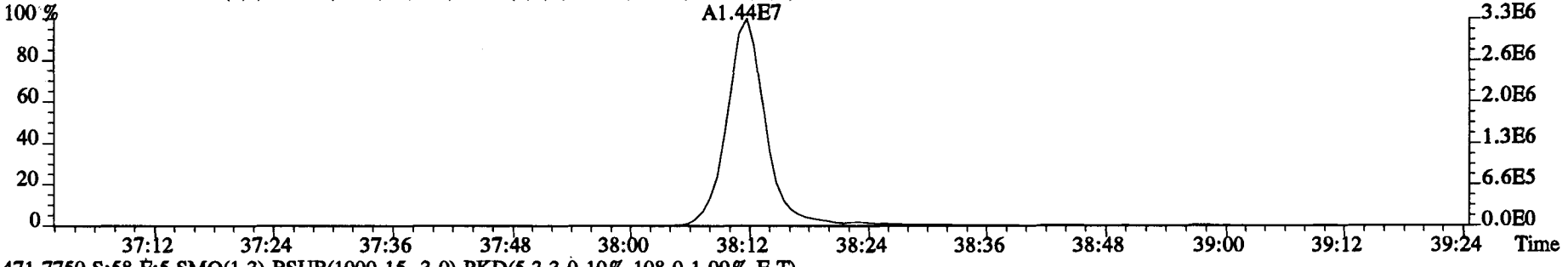
457.7377 S:58 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,672.0,1.00%,F,T)



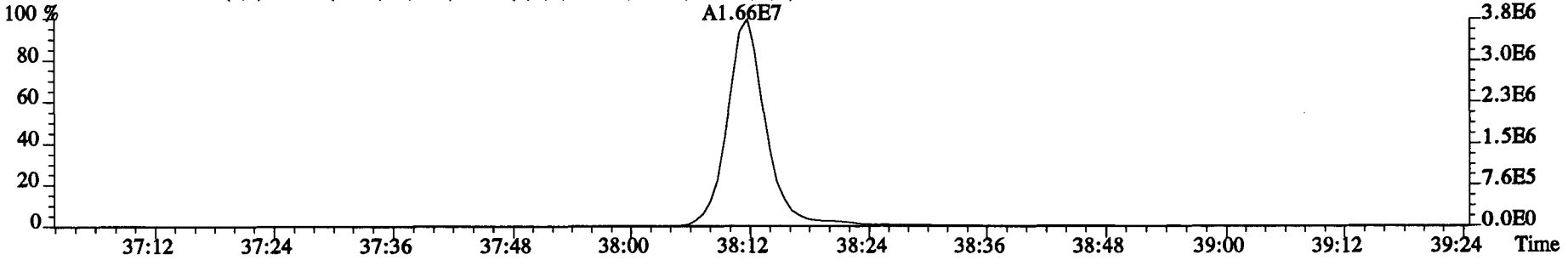
459.7348 S:58 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,732.0,1.00%,F,T)



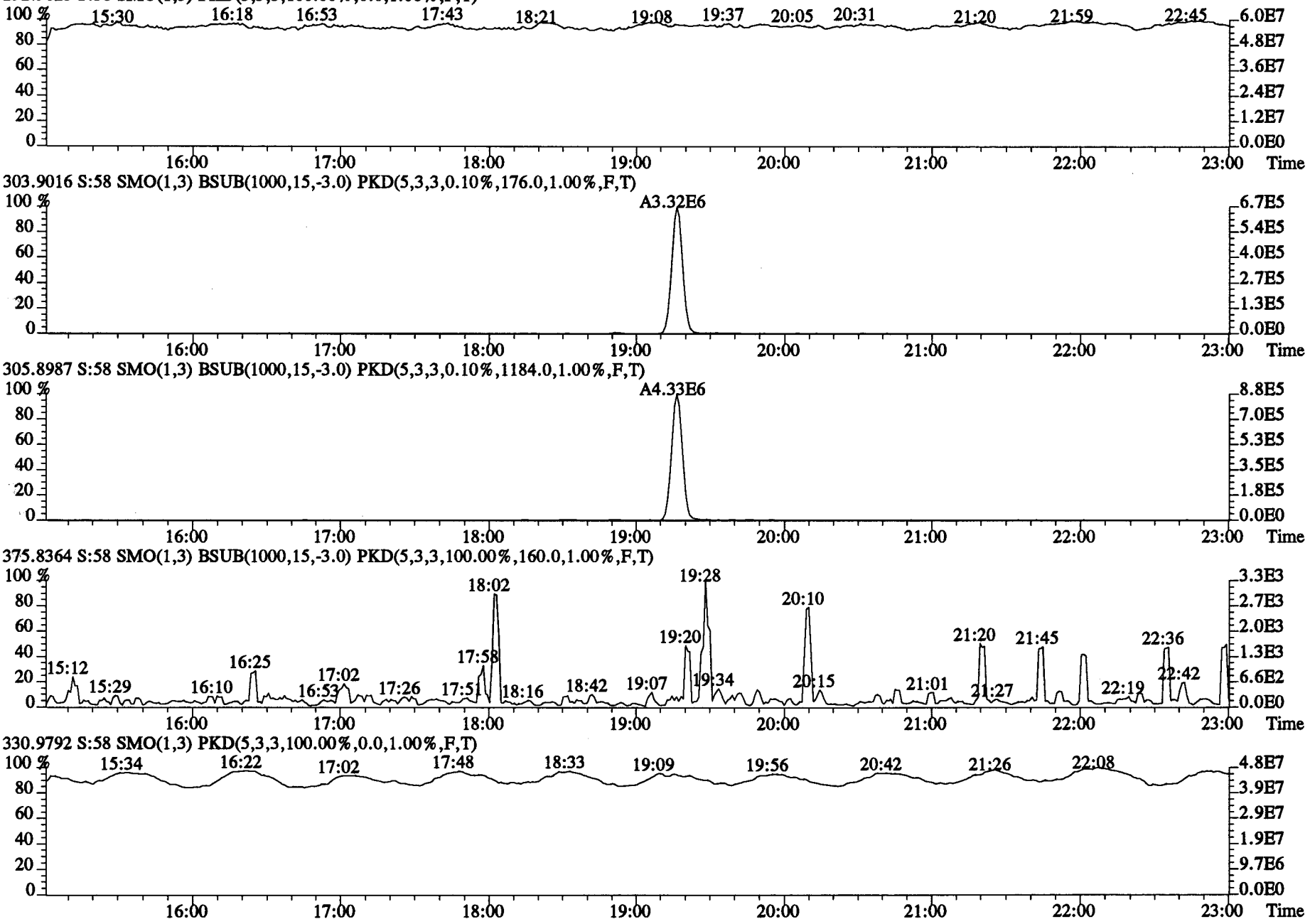
469.7779 S:58 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,372.0,1.00%,F,T)



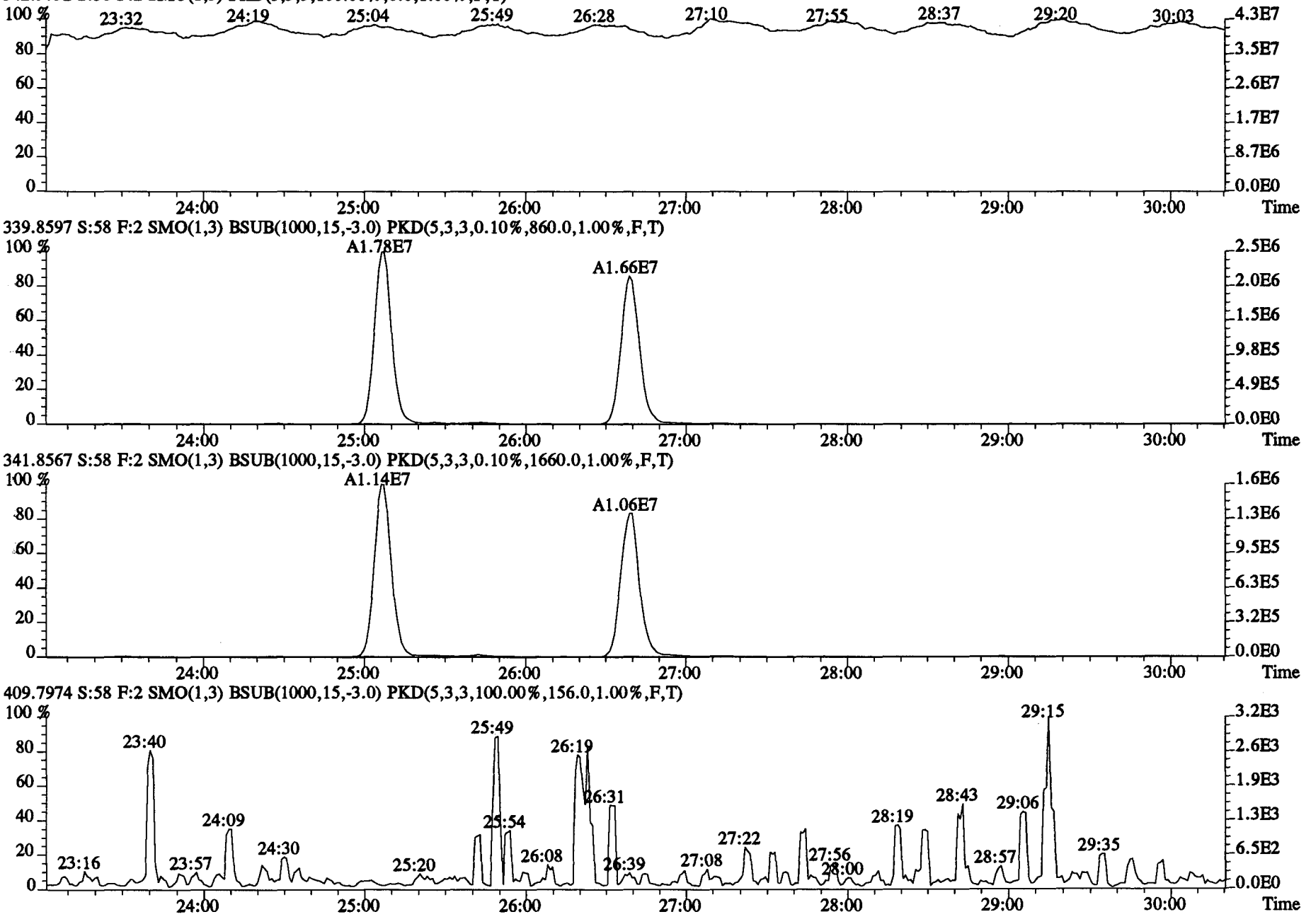
471.7750 S:58 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)



File:30AU104D5 #1-530 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

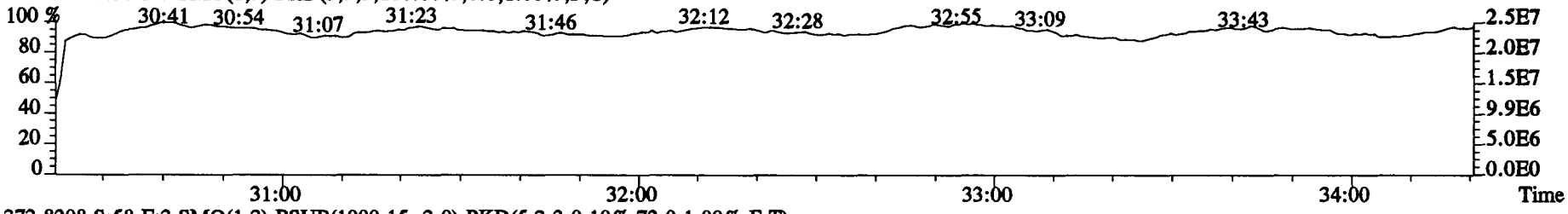


File:30AU104D5 #1-470 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

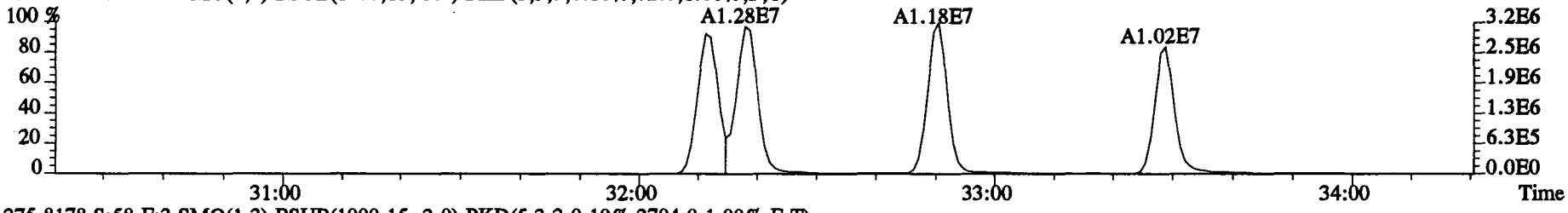


File:30AU104D5 #1-287 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES

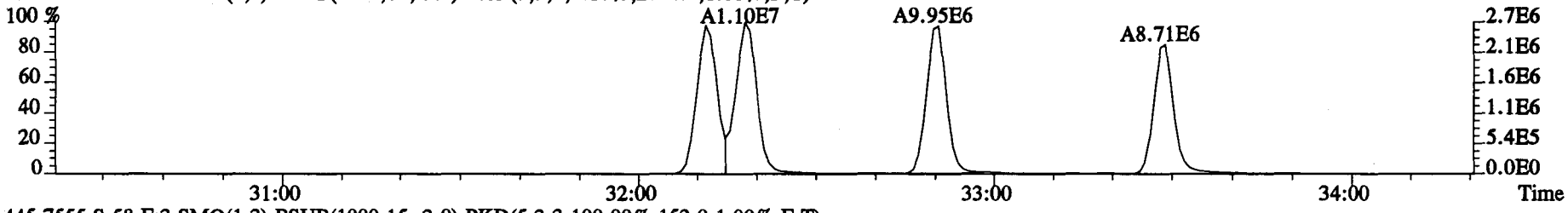
392.9760 S:58 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



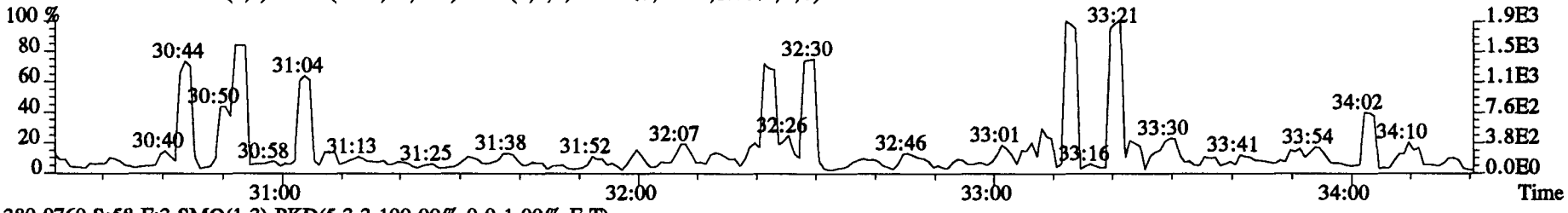
373.8208 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



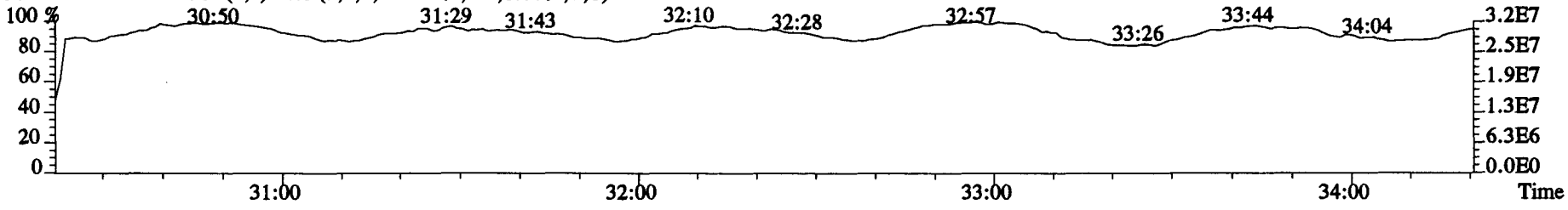
375.8178 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)



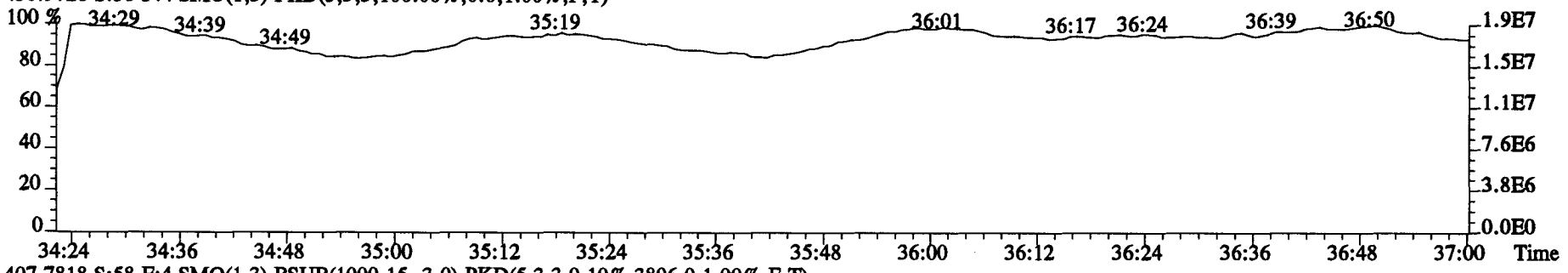
445.7555 S:58 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,152.0,1.00%,F,T)



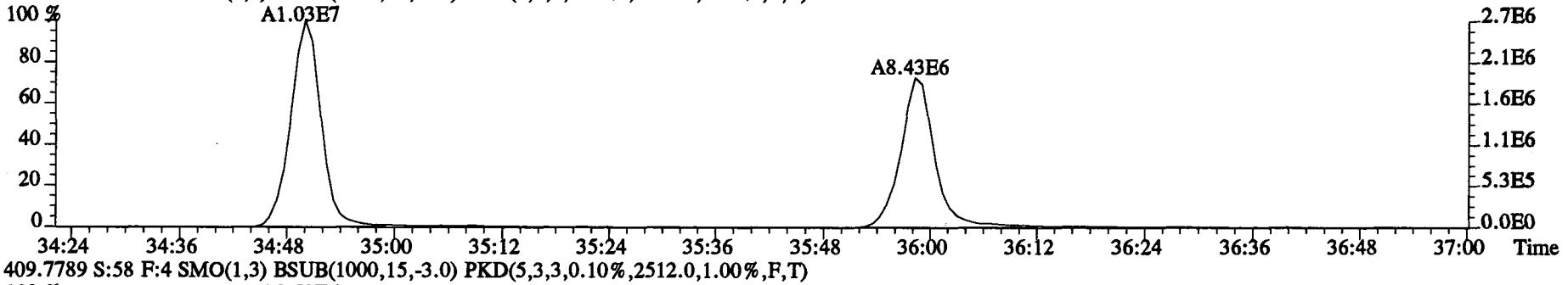
380.9760 S:58 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



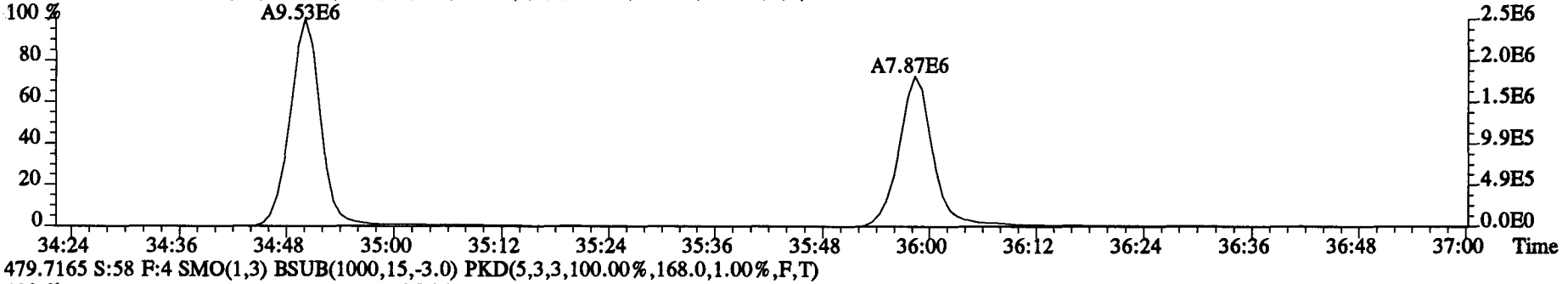
File:30AU104D5 #1-200 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
430.9728 S:58 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



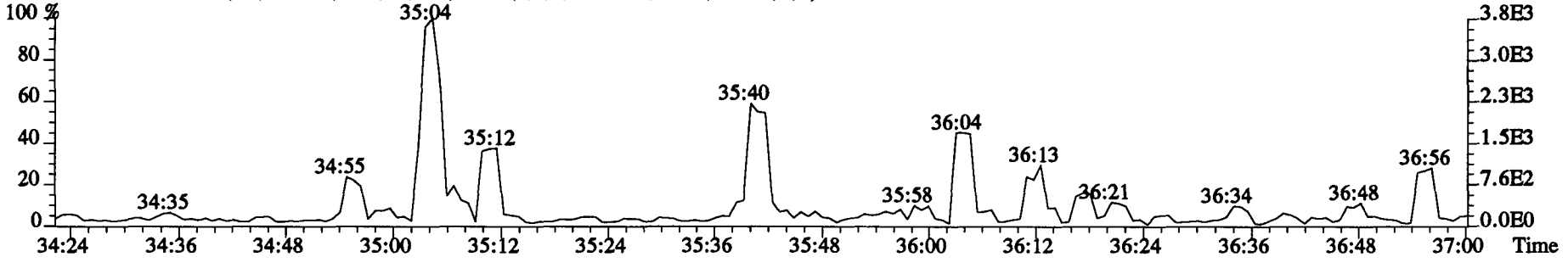
407.7818 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3896.0,1.00%,F,T)



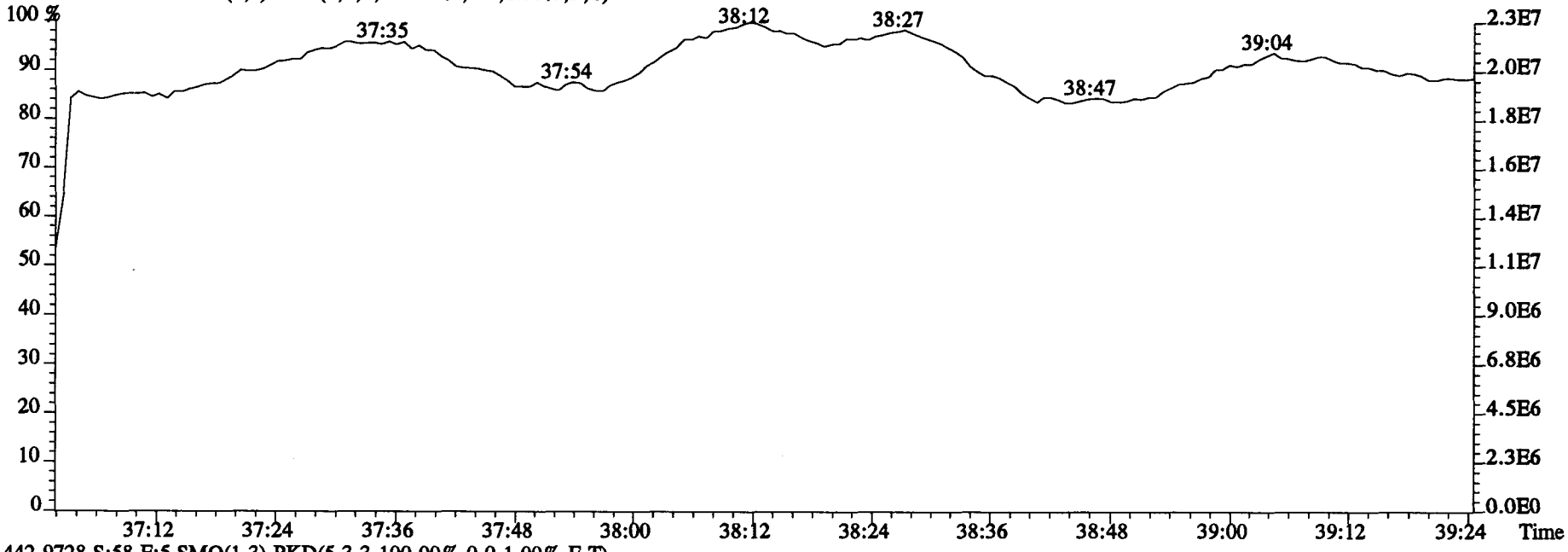
409.7789 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2512.0,1.00%,F,T)



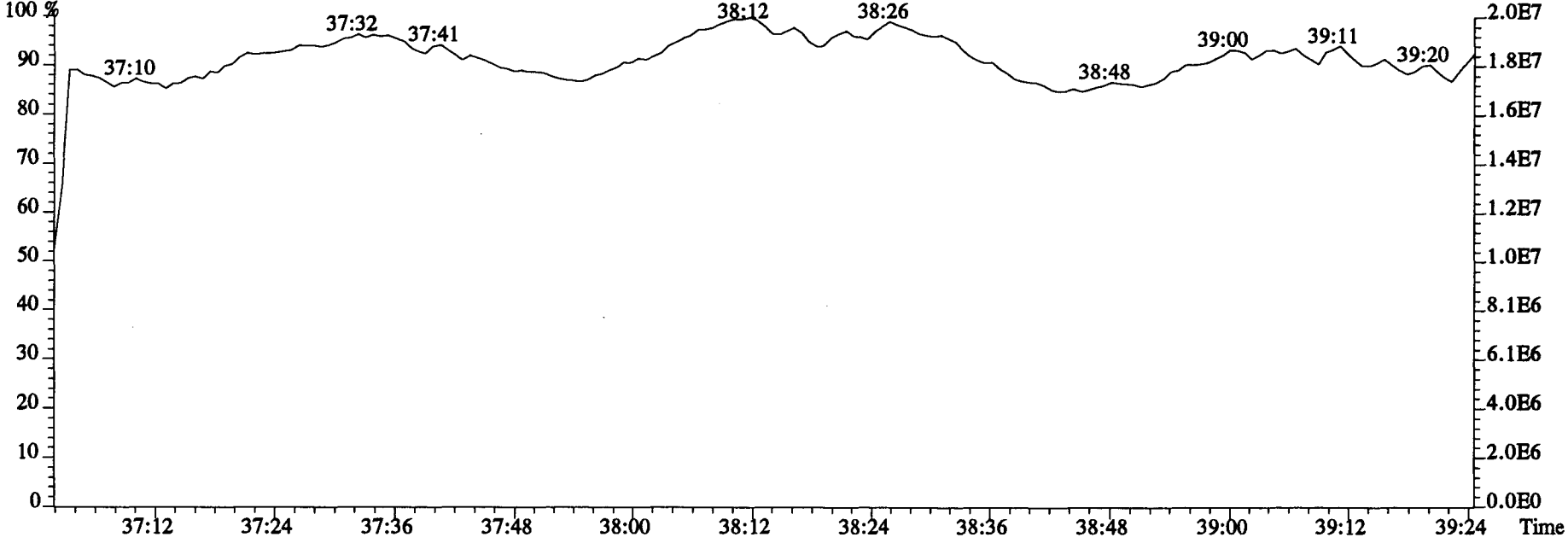
479.7165 S:58 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,168.0,1.00%,F,T)



File:30AU104D5 #1-193 Acq: 1-SEP-2010 04:05:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#58 Text:ST0830D :CS3 10DXN417 Exp:DIOXINRES
454.9728 S:58 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:58 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID 8290,1613,0023A,23,T09,Tetras 072110405

Method ID 8290,1613,0023A,23,T09,Tetras 8290A Date Scanned _____

Column ID DB5 Instrument ID 405

STD ID's ST0721A → ST0721E STD Solution (10 DxN) 334,336,337,339,342

GC Program OCDD Multiplier Setting 410 KV

Analyzed By KSS Date Analyzed 07-21-10

Prepared By KSS Date Prepared 07-22-10

Reviewed By JRB Date Reviewed 7/22/10

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?	✓	✓

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: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

ST0721A :CS-1 10DXN342 ST0721B :CS-2 10DXN334 ST0721C :CS-3 10DXN336
ST0721D :CS-5 10DXN339 ST0721E :CS-4 10DXN337

				21JL10A4D5 S4	21JL10A4D5 S5	21JL10A4D5 S6	21JL10A4D5 S7	21JL10A4D5 S8
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.229	0.154	12.5 %	1.30	1.31	1.39	1.03	1.11
2,3,7,8-TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
Total TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
13C-2,3,7,8-TCDD	0.905	0.029	3.25 %	0.92	0.92	0.94	0.88	0.87
2,3,7,8-TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
Total TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
37Cl-2,3,7,8-TCDD	1.326	0.015	1.12 %	1.33	1.31	1.32	1.35	1.32
13C-1,2,3,7,8-PeCDF	0.876	0.018	2.08 %	0.86	0.90	0.86	0.89	0.87
1,2,3,7,8-PeCDF	1.077	0.042	3.92 %	1.03	1.04	1.08	1.11	1.12
2,3,4,7,8-PeCDF	1.046	0.040	3.80 %	1.00	1.02	1.08	1.04	1.09
Total F2 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
Total F1 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
13C-1,2,3,7,8-PeCDD	0.661	0.010	1.45 %	0.65	0.66	0.67	0.67	0.65
1,2,3,7,8-PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
Total PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.045	0.067	6.44 %	1.03	1.15	0.98	1.00	1.07
1,2,3,4,7,8-HxCDF	1.217	0.012	1.02 %	1.21	1.20	1.22	1.22	1.23
1,2,3,6,7,8-HxCDF	1.282	0.089	6.95 %	1.19	1.22	1.41	1.33	1.26
2,3,4,6,7,8-HxCDF	1.233	0.080	6.49 %	1.19	1.15	1.35	1.27	1.21
1,2,3,7,8,9-HxCDF	1.098	0.096	8.73 %	1.08	0.99	1.25	1.10	1.06
Total HxCDF	1.208	0.066	5.43 %	1.17	1.14	1.31	1.23	1.19
13C-1,2,3,6,7,8-HxCDD	0.831	0.055	6.68 %	0.84	0.83	0.92	0.77	0.79
1,2,3,4,7,8-HxCDD	1.037	0.122	11.8 %	0.90	0.99	0.97	1.17	1.16

1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	1.35	1.38
1,2,3,4,7,8,9-HpCDF	1.093	0.049	4.49 %	1.01	1.09	1.11	1.13	1.13
Total HpCDF	1.220	0.037	3.05 %	1.16	1.21	1.23	1.24	1.26
13C-1,2,3,4,6,7,8-HpCDD	0.827	0.049	5.98 %	0.89	0.85	0.83	0.76	0.79
1,2,3,4,6,7,8-HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
Total HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
13C-OCDD	0.620	0.029	4.60 %	0.66	0.63	0.63	0.60	0.59
OCDF	1.370	0.027	1.98 %	1.36	1.35	1.35	1.39	1.41
OCDD	1.199	0.066	5.48 %	1.31	1.17	1.16	1.17	1.19

Run #1 Filename 21JL10A4D5 S: 4 I: 1
Acquired: 21-JUL-10 16:48:00 Processed: 22-JUL-10 12:01:10
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721A :CS-1 10DXN342

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	311991000	0.79	y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	406871000	0.79	y	19:24	1.3041	100.00	n
2,3,7,8-TCDF	2100786	0.70	y	19:25	1.0327	0.50	n
Total TCDF	-	-	n	-	1.0327	0.50	n
13C-2,3,7,8-TCDD	286692000	0.78	y	20:13	0.9189	100.00	n
2,3,7,8-TCDD	1410323	0.86	y	20:14	0.9839	0.50	n
Total TCDD	-	-	n	-	0.9839	0.50	n
37Cl-2,3,7,8-TCDD	1900202	1.00	y	20:14	1.3256	0.50	n
13C-1,2,3,7,8-PeCDF	267161000	1.54	y	25:17	0.8563	100.00	n
1,2,3,7,8-PeCDF	6866350	1.58	y	25:19	1.0280	2.50	n
2,3,4,7,8-PeCDF	6654750	1.57	y	26:51	0.9964	2.50	n
Total F2 PeCDF	-	-	n	-	1.0122	5.00	n
Total F1 PeCDF	-	-	n	-	1.0122	5.00	n
13C-1,2,3,7,8-PeCDD	202489300	1.56	y	27:41	0.6490	100.00	n
1,2,3,7,8-PeCDD	4490250	1.47	y	27:43	0.8870	2.50	n
Total PeCDD	-	-	n	-	0.8870	2.50	n
13C-1,2,3,7,8,9-HxCDD	216693700	1.31	y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	223118900	0.51	y	32:16	1.0297	100.00	n
1,2,3,4,7,8-HxCDF	6768610	1.17	y	32:17	1.2135	2.50	n
1,2,3,6,7,8-HxCDF	6624500	1.24	y	32:24	1.1876	2.50	n
2,3,4,6,7,8-HxCDF	6618550	1.19	y	32:54	1.1866	2.50	n
1,2,3,7,8,9-HxCDF	6028420	1.13	y	33:32	1.0808	2.50	n
Total HxCDF	-	-	n	-	1.1671	10.00	n
13C-1,2,3,6,7,8-HxCDD	182168900	1.32	y	33:06	0.8407	100.00	y ✓
1,2,3,4,7,8-HxCDD	4087150	1.18	y	33:03	0.8974	2.50	n
1,2,3,6,7,8-HxCDD	5184140	1.31	y	33:07	1.1383	2.50	n
1,2,3,7,8,9-HxCDD	5222820	1.27	y	33:22	1.1468	2.50	n
Total HxCDD	-	-	n	-	1.0609	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	214578400	0.43	y	34:53	0.9902	100.00	n
1,2,3,4,6,7,8-HpCDF	7009400	1.06	y	34:54	1.3066	2.50	n
1,2,3,4,7,8,9-HpCDF	5421290	1.00	y	36:03	1.0106	2.50	n
Total HpCDF	-	-	n	-	1.1586	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	193217400	1.03	y	35:42	0.8917	100.00	n
1,2,3,4,6,7,8-HpCDD	5159640	1.03	y	35:43	1.0682	2.50	n
Total HpCDD	-	-	n	-	1.0682	2.50	n
13C-OCDD	284075000	0.88	y	38:16	0.6555	200.00	n
OCDF	9640820	0.93	y	38:23	1.3575	5.00	n

OCDD	9336890	0.91	y	38:16	1.3147	5.00	n

Run #1 Filename 21JL10A4D5 S: 4 I: 1
Acquired: 21-JUL-10 16:48:00 Processed: 22-JUL-10 12:01:10
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721A :CS-1 10DXN342

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	311991000	0.79	y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	406871000	0.79	y	19:24	1.3041	100.00	n
2,3,7,8-TCDF	2100786	0.70	y	19:25	1.0327	0.50	n
Total TCDF	-	-	n	-	1.0327	0.50	n
13C-2,3,7,8-TCDD	286692000	0.78	y	20:13	0.9189	100.00	n
2,3,7,8-TCDD	1410323	0.86	y	20:14	0.9839	0.50	n
Total TCDD	-	-	n	-	0.9839	0.50	n
37Cl-2,3,7,8-TCDD	1900202	1.00	y	20:14	1.3256	0.50	n
13C-1,2,3,7,8-PeCDF	267161000	1.54	y	25:17	0.8563	100.00	n
1,2,3,7,8-PeCDF	6866350	1.58	y	25:19	1.0280	2.50	n
2,3,4,7,8-PeCDF	6654750	1.57	y	26:51	0.9964	2.50	n
Total F2 PeCDF	-	-	n	-	1.0122	5.00	n
Total F1 PeCDF	-	-	n	-	1.0122	5.00	n
13C-1,2,3,7,8-PeCDD	202489300	1.56	y	27:41	0.6490	100.00	n
1,2,3,7,8-PeCDD	4490250	1.47	y	27:43	0.8870	2.50	n
Total PeCDD	-	-	n	-	0.8870	2.50	n
13C-1,2,3,7,8,9-HxCDD	216693700	1.31	y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	223118900	0.51	y	32:16	1.0297	100.00	n
1,2,3,4,7,8-HxCDF	6768610	1.17	y	32:17	1.2135	2.50	n
1,2,3,6,7,8-HxCDF	6624500	1.24	y	32:24	1.1876	2.50	n
2,3,4,6,7,8-HxCDF	6618550	1.19	y	32:54	1.1866	2.50	n
1,2,3,7,8,9-HxCDF	6028420	1.13	y	33:32	1.0808	2.50	n
Total HxCDF	-	-	n	-	1.1671	10.00	n
13C-1,2,3,6,7,8-HxCDD	183007300	1.15	y	33:06	0.8445	100.00	n
1,2,3,4,7,8-HxCDD	4087150	1.18	y	33:03	0.8933	2.50	n
1,2,3,6,7,8-HxCDD	5184140	1.31	y	33:07	1.1331	2.50	n
1,2,3,7,8,9-HxCDD	5222820	1.27	y	33:22	1.1416	2.50	n
Total HxCDD	-	-	n	-	1.0560	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	214578400	0.43	y	34:53	0.9902	100.00	n
1,2,3,4,6,7,8-HpCDF	7009400	1.06	y	34:54	1.3066	2.50	n
1,2,3,4,7,8,9-HpCDF	5421290	1.00	y	36:03	1.0106	2.50	n
Total HpCDF	-	-	n	-	1.1586	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	193217400	1.03	y	35:42	0.8917	100.00	n
1,2,3,4,6,7,8-HpCDD	5159640	1.03	y	35:43	1.0682	2.50	n
Total HpCDD	-	-	n	-	1.0682	2.50	n
13C-OCDD	284075000	0.88	y	38:16	0.6555	200.00	n
OCDF	9640820	0.93	y	38:23	1.3575	5.00	n

OCDD	9336890	0.91	y	38:16	1.3147	5.00	n

Run #2 Filename 21JL10A4D5 S: 5 I: 1
Acquired: 21-JUL-10 17:33:53 Processed: 22-JUL-10 12:01:11
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721B :CS-2 10DXN334

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	346133000	0.79	y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	454963000	0.79	y	19:25	1.3144	100.00	n
2,3,7,8-TCDF	8692490	0.78	y	19:26	0.9553	2.00	n
Total TCDF	-	-	n	-	0.9553	2.00	n
13C-2,3,7,8-TCDD	317456000	0.78	y	20:14	0.9172	100.00	n
2,3,7,8-TCDD	5958260	0.78	y	20:15	0.9384	2.00	n
Total TCDD	-	-	n	-	0.9384	2.00	n
37Cl-2,3,7,8-TCDD	8349040	1.00	y	20:15	1.3150	2.00	n
13C-1,2,3,7,8-PeCDF	311858000	1.53	y	25:17	0.9010	100.00	n
1,2,3,7,8-PeCDF	32375300	1.57	y	25:19	1.0381	10.00	n
2,3,4,7,8-PeCDF	31788800	1.54	y	26:52	1.0193	10.00	n
Total F2 PeCDF	-	-	n	-	1.0287	20.00	n
Total F1 PeCDF	-	-	n	-	1.0287	20.00	n
13C-1,2,3,7,8-PeCDD	228833100	1.55	y	27:41	0.6611	100.00	n
1,2,3,7,8-PeCDD	20211030	1.54	y	27:42	0.8832	10.00	n
Total PeCDD	-	-	n	-	0.8832	10.00	n
13C-1,2,3,7,8,9-HxCDD	250231000	1.31	y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	286839800	0.51	y	32:16	1.1463	100.00	n
1,2,3,4,7,8-HxCDF	34391700	1.17	y	32:17	1.1990	10.00	n
1,2,3,6,7,8-HxCDF	34994300	1.19	y	32:24	1.2200	10.00	n
2,3,4,6,7,8-HxCDF	32979800	1.17	y	32:55	1.1498	10.00	n
1,2,3,7,8,9-HxCDF	28460200	1.20	y	33:33	0.9922	10.00	n
Total HxCDF	-	-	n	-	1.1402	40.00	n
13C-1,2,3,6,7,8-HxCDD	207728500	1.31	y	33:06	0.8301	100.00	n
1,2,3,4,7,8-HxCDD	20528920	1.23	y	33:03	0.9883	10.00	n
1,2,3,6,7,8-HxCDD	25476800	1.29	y	33:07	1.2264	10.00	n
1,2,3,7,8,9-HxCDD	24026200	1.28	y	33:23	1.1566	10.00	n
Total HxCDD	-	-	n	-	1.1238	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	227576800	0.43	y	34:53	0.9095	100.00	n
1,2,3,4,6,7,8-HpCDF	30499500	1.03	y	34:54	1.3402	10.00	n
1,2,3,4,7,8,9-HpCDF	24758800	1.01	y	36:03	1.0879	10.00	n
Total HpCDF	-	-	n	-	1.2141	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	212760000	1.04	y	35:42	0.8503	100.00	n
1,2,3,4,6,7,8-HpCDD	21862400	1.02	y	35:43	1.0276	10.00	n
Total HpCDD	-	-	n	-	1.0276	10.00	n
13C-OCDD	316775000	0.88	y	38:16	0.6330	200.00	n
OCDF	42624800	0.89	y	38:23	1.3456	20.00	n
OCDD	37017600	0.89	y	38:17	1.1686	20.00	n

Run #3 Filename 21JL10A4D5 S: 6 I: 1
Acquired: 21-JUL-10 18:18:56 Processed: 22-JUL-10 12:01:11
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721C :CS-3 10DXN336

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	297616000	0.80	y	20:00	-	100.00	n
13C-2,3,7,8-TCDF	414416000	0.80	y	19:23	1.3925	100.00	n
2,3,7,8-TCDF	40815800	0.78	y	19:25	0.9849	10.00	n
Total TCDF	-	-	n	-	0.9849	10.00	n
13C-2,3,7,8-TCDD	279542000	0.79	y	20:13	0.9393	100.00	n
2,3,7,8-TCDD	27062400	0.80	y	20:15	0.9681	10.00	n
Total TCDD	-	-	n	-	0.9681	10.00	n
37Cl-2,3,7,8-TCDD	36762200	1.00	y	20:14	1.3151	10.00	n
13C-1,2,3,7,8-PeCDF	256521000	1.55	y	25:18	0.8619	100.00	n
1,2,3,7,8-PeCDF	138997400	1.55	y	25:20	1.0837	50.00	n
2,3,4,7,8-PeCDF	138743000	1.55	y	26:53	1.0817	50.00	n
Total F2 PeCDF	-	-	n	-	1.0827	100.00	n
Total F1 PeCDF	-	-	n	-	1.0827	100.00	n
13C-1,2,3,7,8-PeCDD	199400100	1.58	y	27:43	0.6700	100.00	n
1,2,3,7,8-PeCDD	93821800	1.53	y	27:44	0.9410	50.00	n
Total PeCDD	-	-	n	-	0.9410	50.00	n
13C-1,2,3,7,8,9-HxCDD	211830200	1.30	y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	206662600	0.51	y	32:17	0.9756	100.00	n
1,2,3,4,7,8-HxCDF	125916200	1.16	y	32:18	1.2186	50.00	n
1,2,3,6,7,8-HxCDF	145591100	1.17	y	32:23	1.4090	50.00	n
2,3,4,6,7,8-HxCDF	139989400	1.18	y	32:55	1.3548	50.00	n
1,2,3,7,8,9-HxCDF	129462400	1.18	y	33:33	1.2529	50.00	n
Total HxCDF	-	-	n	-	1.3088	200.00	n
13C-1,2,3,6,7,8-HxCDD	194269900	1.31	y	33:07	0.9171	100.00	n
1,2,3,4,7,8-HxCDD	94117900	1.23	y	33:03	0.9689	50.00	n
1,2,3,6,7,8-HxCDD	106981800	1.27	y	33:08	1.1014	50.00	n
1,2,3,7,8,9-HxCDD	108772200	1.25	y	33:23	1.1198	50.00	n
Total HxCDD	-	-	n	-	1.0634	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	194898500	0.43	y	34:53	0.9201	100.00	n
1,2,3,4,6,7,8-HpCDF	131367000	1.01	y	34:54	1.3481	50.00	n
1,2,3,4,7,8,9-HpCDF	108439900	1.02	y	36:02	1.1128	50.00	n
Total HpCDF	-	-	n	-	1.2304	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	176478000	1.04	y	35:43	0.8331	100.00	n
1,2,3,4,6,7,8-HpCDD	94723500	1.02	y	35:43	1.0735	50.00	n
Total HpCDD	-	-	n	-	1.0735	50.00	n
13C-OCDD	266609000	0.89	y	38:16	0.6293	200.00	n
OCDF	179957800	0.91	y	38:23	1.3500	100.00	n
OCDD	154054800	0.90	y	38:16	1.1557	100.00	n

Run #5 Filename 21JL10A4D5 S: 8 I: 1
Acquired: 21-JUL-10 19:49:00 Processed: 22-JUL-10 12:01:13
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721E :CS-4 10DXN337

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	363554000	0.80	y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	402416000	0.79	y	19:24	1.1069	100.00	n
2,3,7,8-TCDF	166293900	0.77	y	19:25	1.0331	40.00	n
Total TCDF	-	-	n	-	1.0331	40.00	n
13C-2,3,7,8-TCDD	314971000	0.80	y	20:13	0.8664	100.00	n
2,3,7,8-TCDD	127934900	0.78	y	20:15	1.0154	40.00	n
Total TCDD	-	-	n	-	1.0154	40.00	n
37Cl-2,3,7,8-TCDD	166729600	1.00	y	20:15	1.3234	40.00	n
13C-1,2,3,7,8-PeCDF	317818000	1.53	y	25:17	0.8742	100.00	n
1,2,3,7,8-PeCDF	712080000	1.54	y	25:19	1.1203	200.00	n
2,3,4,7,8-PeCDF	692103000	1.53	y	26:51	1.0888	200.00	n
Total F2 PeCDF	-	-	n	-	1.1045	400.00	n
Total F1 PeCDF	-	-	n	-	1.1045	400.00	n
13C-1,2,3,7,8-PeCDD	237598000	1.55	y	27:40	0.6535	100.00	n
1,2,3,7,8-PeCDD	458679000	1.50	y	27:43	0.9652	200.00	n
Total PeCDD	-	-	n	-	0.9652	200.00	n
13C-1,2,3,7,8,9-HxCDD	248923000	1.30	y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	267009400	0.51	y	32:16	1.0727	100.00	n
1,2,3,4,7,8-HxCDF	658410000	1.16	y	32:17	1.2329	200.00	n
1,2,3,6,7,8-HxCDF	673142000	1.18	y	32:24	1.2605	200.00	n
2,3,4,6,7,8-HxCDF	645815000	1.17	y	32:54	1.2093	200.00	n
1,2,3,7,8,9-HxCDF	567208000	1.17	y	33:33	1.0621	200.00	n
Total HxCDF	-	-	n	-	1.1912	800.00	n
13C-1,2,3,6,7,8-HxCDD	197349200	1.31	y	33:06	0.7928	100.00	n
1,2,3,4,7,8-HxCDD	458143000	1.26	y	33:03	1.1607	200.00	y ✓
1,2,3,6,7,8-HxCDD	484675000	1.28	y	33:07	1.2280	200.00	y ✓
1,2,3,7,8,9-HxCDD	488147000	1.26	y	33:23	1.2368	200.00	n
Total HxCDD	-	-	n	-	1.2085	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	214761200	0.43	y	34:53	0.8628	100.00	n
1,2,3,4,6,7,8-HpCDF	593215000	1.01	y	34:54	1.3811	200.00	n
1,2,3,4,7,8,9-HpCDF	485366000	1.01	y	36:03	1.1300	200.00	n
Total HpCDF	-	-	n	-	1.2556	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	197451500	1.05	y	35:42	0.7932	100.00	n
1,2,3,4,6,7,8-HpCDD	435214000	1.03	y	35:43	1.1021	200.00	n
Total HpCDD	-	-	n	-	1.1021	200.00	n
13C-OCDD	291770000	0.90	y	38:16	0.5861	200.00	n
OCDF	820312000	0.90	y	38:23	1.4058	400.00	n

OCDD	694943000	0.90	y	38:16	1.1909	400.00	n

Run #5 Filename 21JL10A4D5 S: 8 I: 1
Acquired: 21-JUL-10 19:49:00 Processed: 22-JUL-10 12:01:13
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721E :CS-4 10DXN337

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	363554000	0.80	y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	402416000	0.79	y	19:24	1.1069	100.00	n
2,3,7,8-TCDF	166293900	0.77	y	19:25	1.0331	40.00	n
Total TCDF	-	-	n	-	1.0331	40.00	n
13C-2,3,7,8-TCDD	314971000	0.80	y	20:13	0.8664	100.00	n
2,3,7,8-TCDD	127934900	0.78	y	20:15	1.0154	40.00	n
Total TCDD	-	-	n	-	1.0154	40.00	n
37Cl-2,3,7,8-TCDD	166729600	1.00	y	20:15	1.3234	40.00	n
13C-1,2,3,7,8-PeCDF	317818000	1.53	y	25:17	0.8742	100.00	n
1,2,3,7,8-PeCDF	712080000	1.54	y	25:19	1.1203	200.00	n
2,3,4,7,8-PeCDF	692103000	1.53	y	26:51	1.0888	200.00	n
Total F2 PeCDF	-	-	n	-	1.1045	400.00	n
Total F1 PeCDF	-	-	n	-	1.1045	400.00	n
13C-1,2,3,7,8-PeCDD	237598000	1.55	y	27:40	0.6535	100.00	n
1,2,3,7,8-PeCDD	458679000	1.50	y	27:43	0.9652	200.00	n
Total PeCDD	-	-	n	-	0.9652	200.00	n
13C-1,2,3,7,8,9-HxCDD	248923000	1.30	y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	267009400	0.51	y	32:16	1.0727	100.00	n
1,2,3,4,7,8-HxCDF	658410000	1.16	y	32:17	1.2329	200.00	n
1,2,3,6,7,8-HxCDF	673142000	1.18	y	32:24	1.2605	200.00	n
2,3,4,6,7,8-HxCDF	645815000	1.17	y	32:54	1.2093	200.00	n
1,2,3,7,8,9-HxCDF	567208000	1.17	y	33:33	1.0621	200.00	n
Total HxCDF	-	-	n	-	1.1912	800.00	n
13C-1,2,3,6,7,8-HxCDD	197349200	1.31	y	33:06	0.7928	100.00	n
1,2,3,4,7,8-HxCDD	422231040	1.45	n	33:03	1.0698	200.00	n
1,2,3,6,7,8-HxCDD	481044000	1.12	y	33:07	1.2188	200.00	n
1,2,3,7,8,9-HxCDD	488146000	1.26	y	33:23	1.2368	200.00	n
Total HxCDD	-	-	n	-	1.1751	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	214761200	0.43	y	34:53	0.8628	100.00	n
1,2,3,4,6,7,8-HpCDF	593215000	1.01	y	34:54	1.3811	200.00	n
1,2,3,4,7,8,9-HpCDF	485366000	1.01	y	36:03	1.1300	200.00	n
Total HpCDF	-	-	n	-	1.2556	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	197451500	1.05	y	35:42	0.7932	100.00	n
1,2,3,4,6,7,8-HpCDD	435214000	1.03	y	35:43	1.1021	200.00	n
Total HpCDD	-	-	n	-	1.1021	200.00	n
13C-OCDD	291770000	0.90	y	38:16	0.5861	200.00	n
OCDF	820312000	0.90	y	38:23	1.4058	400.00	n
OCDD	694943000	0.90	y	38:16	1.1909	400.00	n

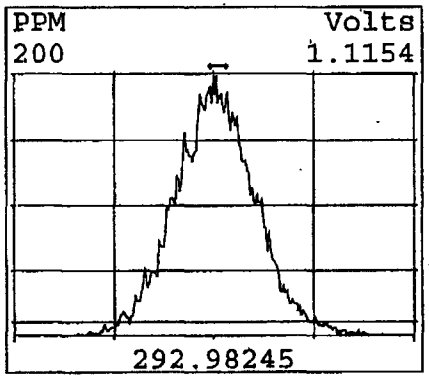
Run #4 Filename 21JL10A4D5 S: 7 I: 1
Acquired: 21-JUL-10 19:03:58 Processed: 22-JUL-10 12:01:12
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721D :CS-5 10DXN339

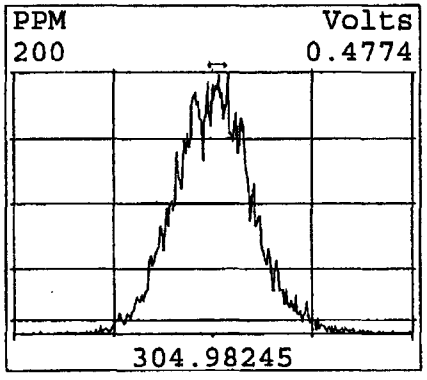
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	350659000	0.80	y	20:02	-	100.00	n
13C-2,3,7,8-TCDF	360772000	0.79	y	19:24	1.0288	100.00	n
2,3,7,8-TCDF	697458000	0.77	y	19:25	0.9666	200.00	n
Total TCDF	-	-	n	-	0.9666	200.00	n
13C-2,3,7,8-TCDD	309835000	0.78	y	20:14	0.8836	100.00	n
2,3,7,8-TCDD	626791000	0.79	y	20:16	1.0115	200.00	n
Total TCDD	-	-	n	-	1.0115	200.00	n
37Cl-2,3,7,8-TCDD	837356000	1.00	y	20:15	1.3513	200.00	n
13C-1,2,3,7,8-PeCDF	310980000	1.54	y	25:18	0.8868	100.00	n
1,2,3,7,8-PeCDF	3461250000	1.54	y	25:20	1.1130	1000.00	n
2,3,4,7,8-PeCDF	3239400000	1.52	y	26:52	1.0417	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0773	2000.00	n
Total F1 PeCDF	-	-	n	-	1.0773	2000.00	n
13C-1,2,3,7,8-PeCDD	235100700	1.56	y	27:42	0.6705	100.00	n
1,2,3,7,8-PeCDD	2235314000	1.50	y	27:44	0.9508	1000.00	n
Total PeCDD	-	-	n	-	0.9508	1000.00	n
13C-1,2,3,7,8,9-HxCDD	256316000	1.29	y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	256243600	0.51	y	32:16	0.9997	100.00	n
1,2,3,4,7,8-HxCDF	3131920000	1.15	y	32:17	1.2222	1000.00	n
1,2,3,6,7,8-HxCDF	3410730000	1.19	y	32:24	1.3311	1000.00	n
2,3,4,6,7,8-HxCDF	3245730000	1.18	y	32:55	1.2667	1000.00	n
1,2,3,7,8,9-HxCDF	2825950000	1.18	y	33:33	1.1028	1000.00	n
Total HxCDF	-	-	n	-	1.2307	4000.00	n
13C-1,2,3,6,7,8-HxCDD	198188400	1.30	y	33:07	0.7732	100.00	n
1,2,3,4,7,8-HxCDD	2319900000	1.23	y	33:03	1.1706	1000.00	n
1,2,3,6,7,8-HxCDD	2219442000	1.26	y	33:07	1.1199	1000.00	n
1,2,3,7,8,9-HxCDD	2474590000	1.26	y	33:23	1.2486	1000.00	n
Total HxCDD	-	-	n	-	1.1797	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	222373600	0.44	y	34:54	0.8676	100.00	n
1,2,3,4,6,7,8-HpCDF	3008480000	1.01	y	34:54	1.3529	1000.00	n
1,2,3,4,7,8,9-HpCDF	2503650000	1.02	y	36:03	1.1259	1000.00	n
Total HpCDF	-	-	n	-	1.2394	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	196025300	1.04	y	35:42	0.7648	100.00	n
1,2,3,4,6,7,8-HpCDD	2131190000	1.02	y	35:43	1.0872	1000.00	n
Total HpCDD	-	-	n	-	1.0872	1000.00	n
13C-OCDD	305368000	0.90	y	38:16	0.5957	200.00	n
OCDF	4252770000	0.90	y	38:23	1.3927	2000.00	n
OCDD	3562830000	0.90	y	38:16	1.1667	2000.00	n

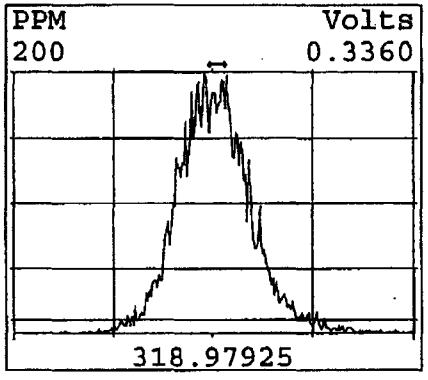
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21JL10A4D5	1	CP0721	DB-5 CPSM 3732-08				1.00000	
21JL10A4D5	2	SB0721	Solvent Blank C-14				1.00000	
21JL10A4D5	3	ST0721	CS-0.2 10DXN333 (Not used) sensitivity ✓ only				1.00000	
21JL10A4D5	4	ST0721A	CS-1 10DXN342				1.00000	
21JL10A4D5	5	ST0721B	CS-2 10DXN334				1.00000	
21JL10A4D5	6	ST0721C	CS-3 10DXN336				1.00000	
21JL10A4D5	7	ST0721D	CS-5 10DXN339				1.00000	
21JL10A4D5	8	ST0721E	CS-4 10DXN337				1.00000	
21JL10A4D5	9	ST0721F	2nd Source 10DXN340				1.00000	
21JL10A4D5	10						1.00000	
21JL10A4D5	11						1.00000	
21JL10A4D5	12						1.00000	
21JL10A4D5	13		KSS 07-21-10				1.00000	

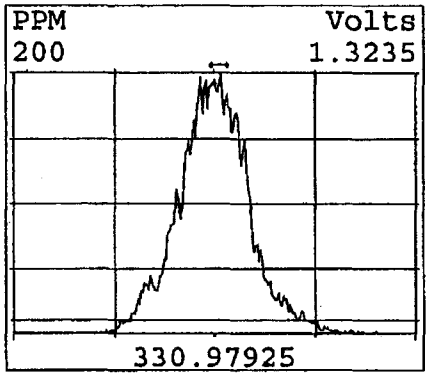
log file V'd
NF 7/22/10

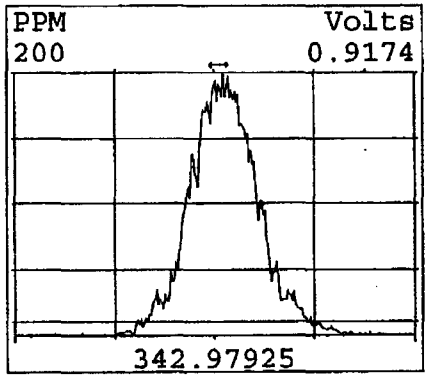
Peak Locate Examination:21-JUL-2010:14:30 File:21JL10A4D5
Experiment:DIOXINRES Function:1 Reference:PFK

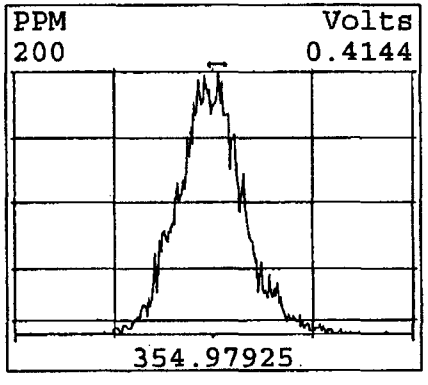


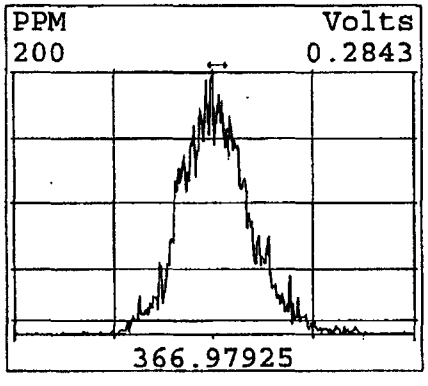


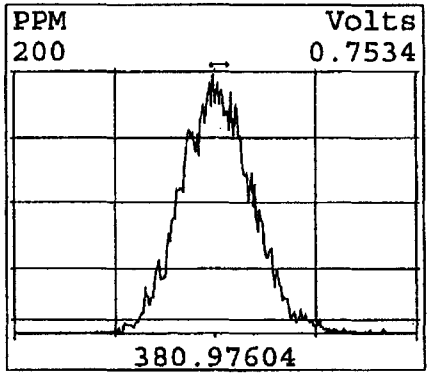


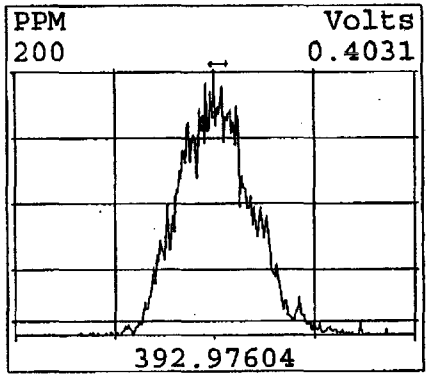


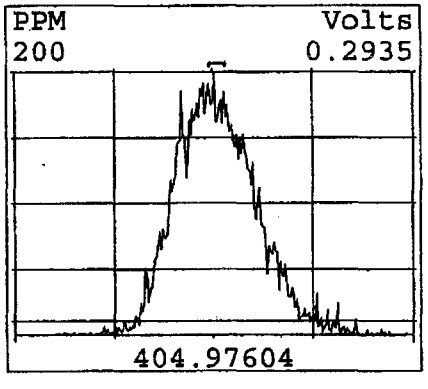


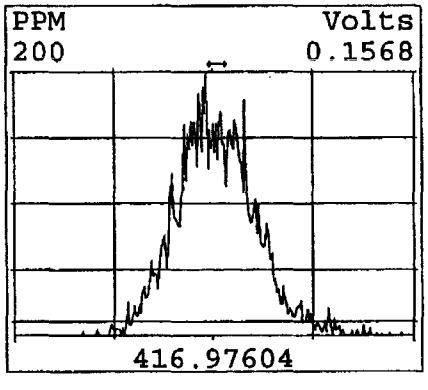




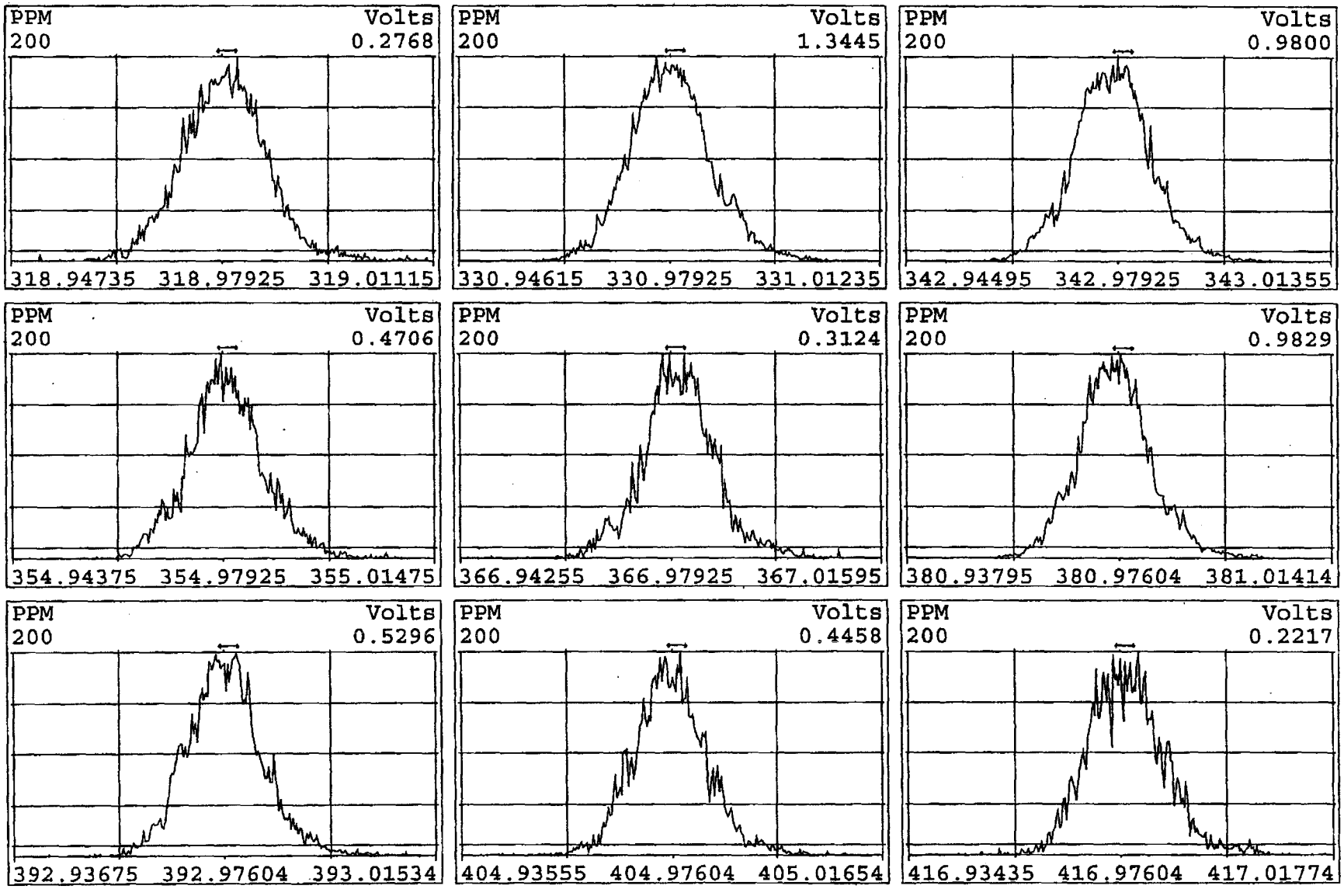




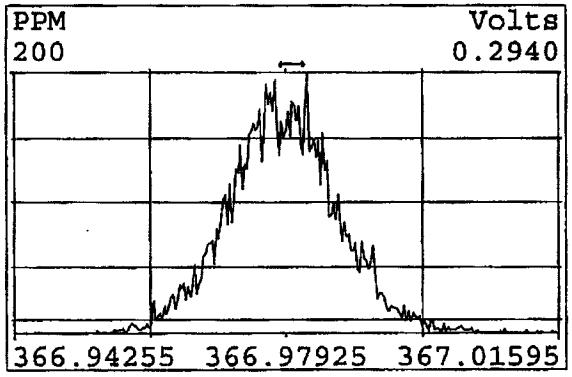


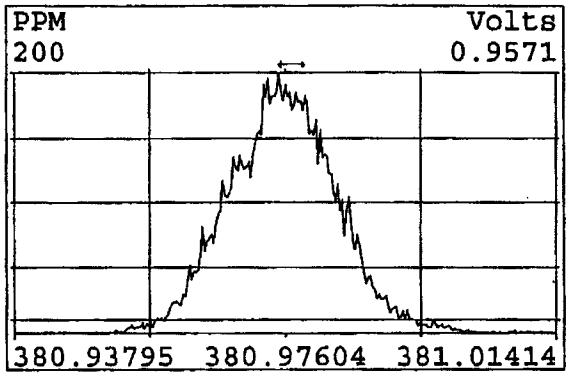


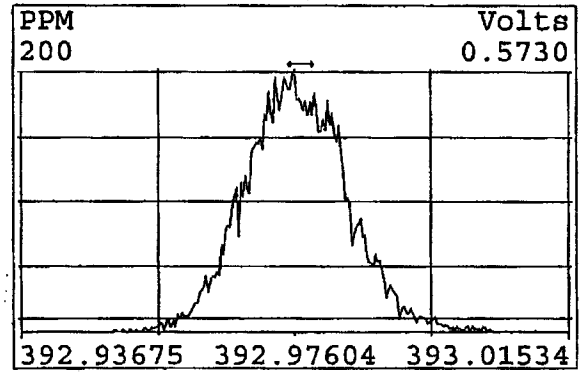
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:2 Reference:PFK

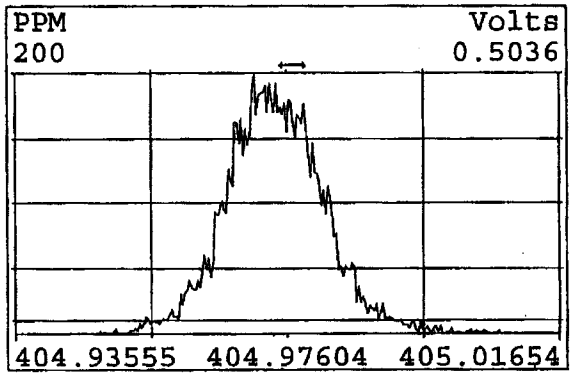


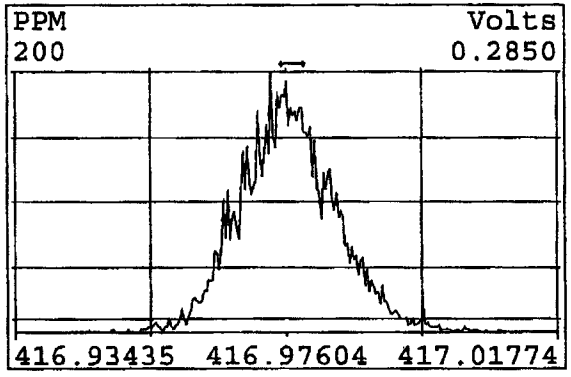
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:3 Reference:PFK

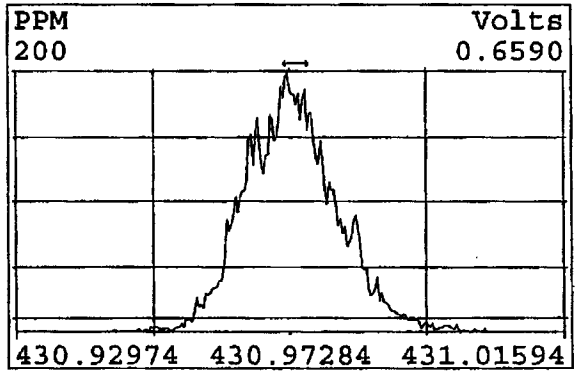


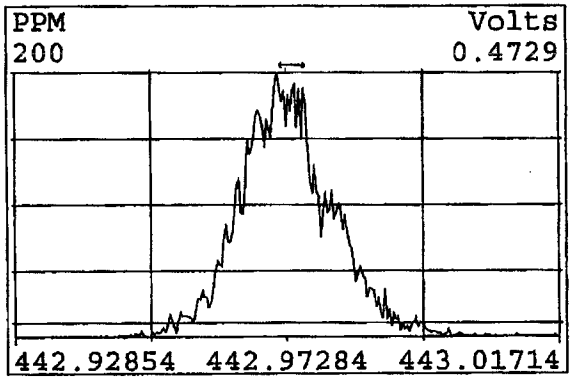


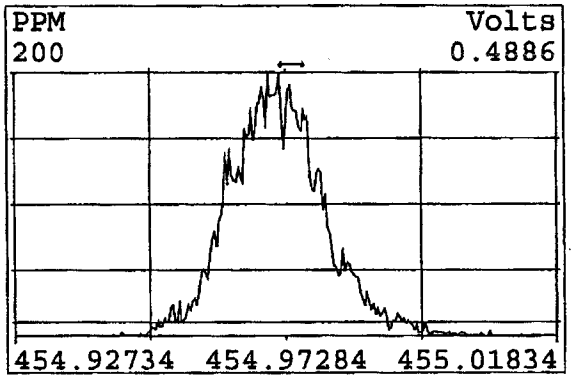




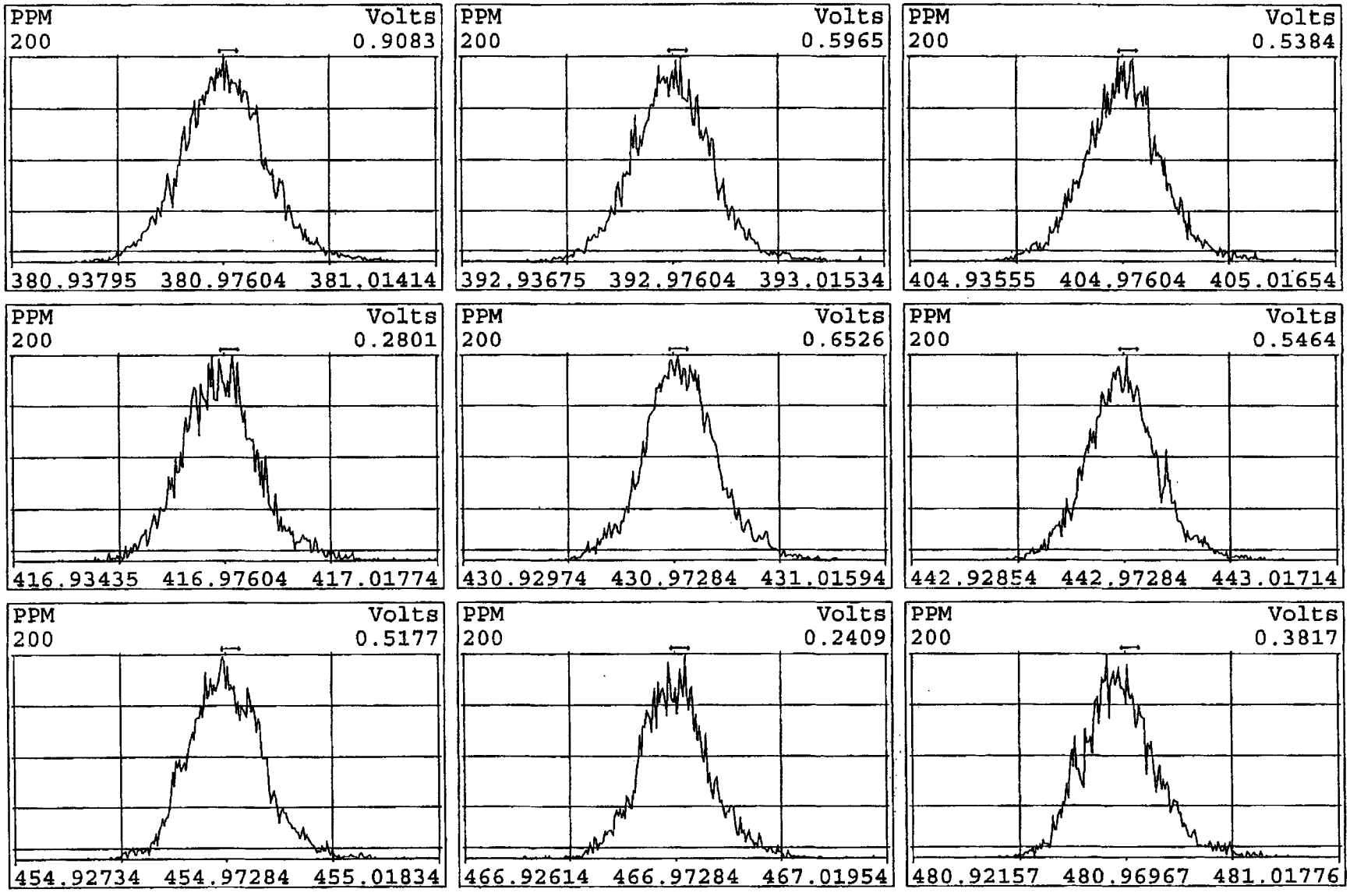




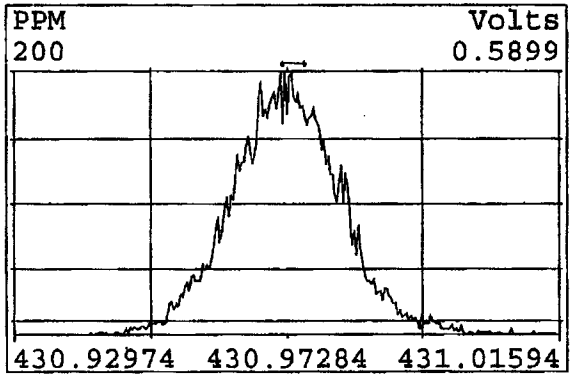


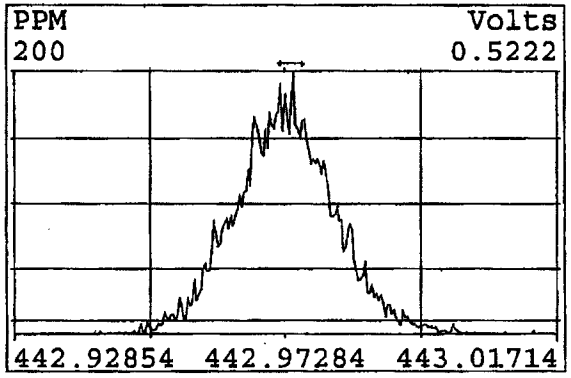


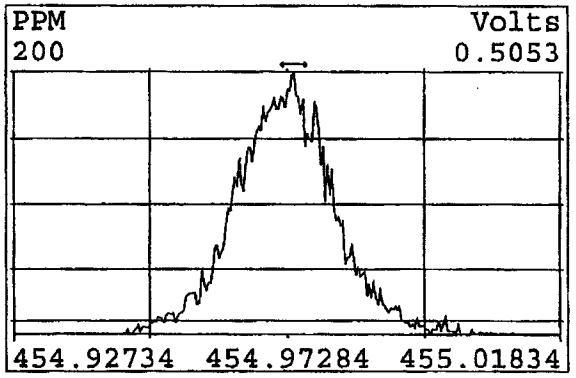
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:4 Reference:PFK

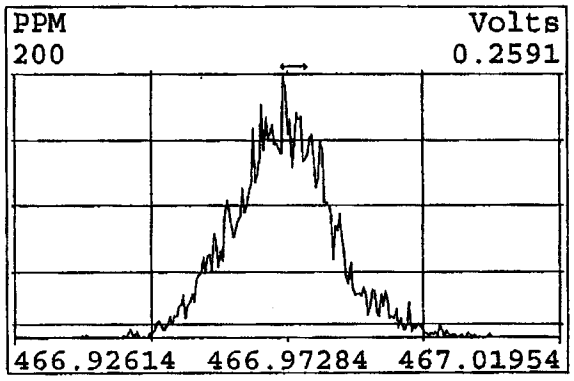


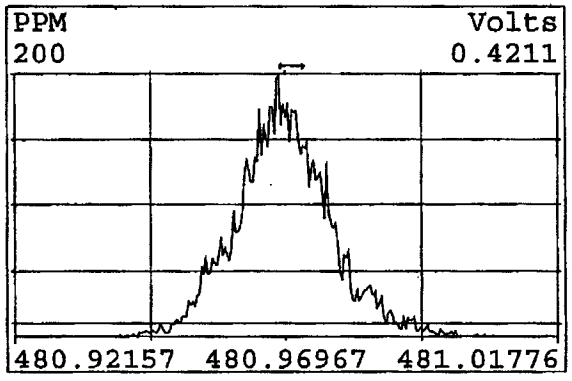
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:5 Reference:PFK

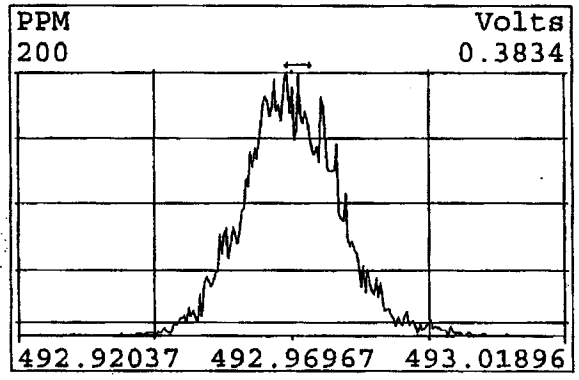


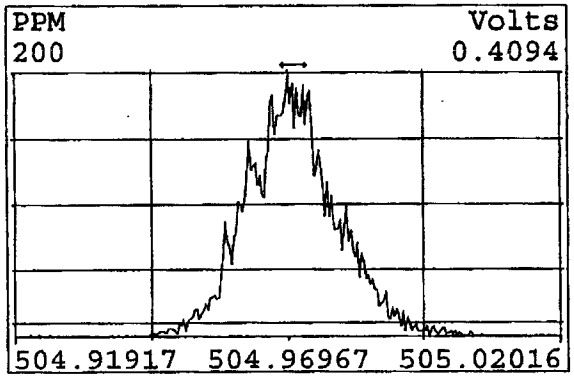


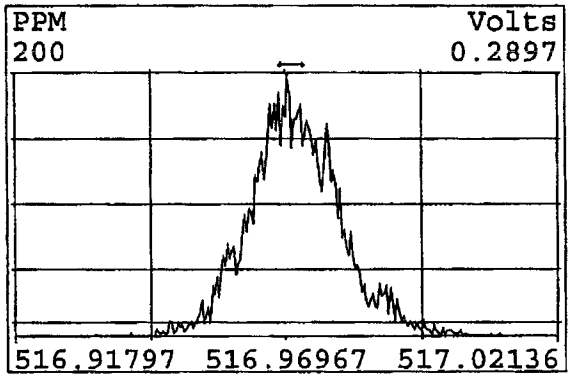




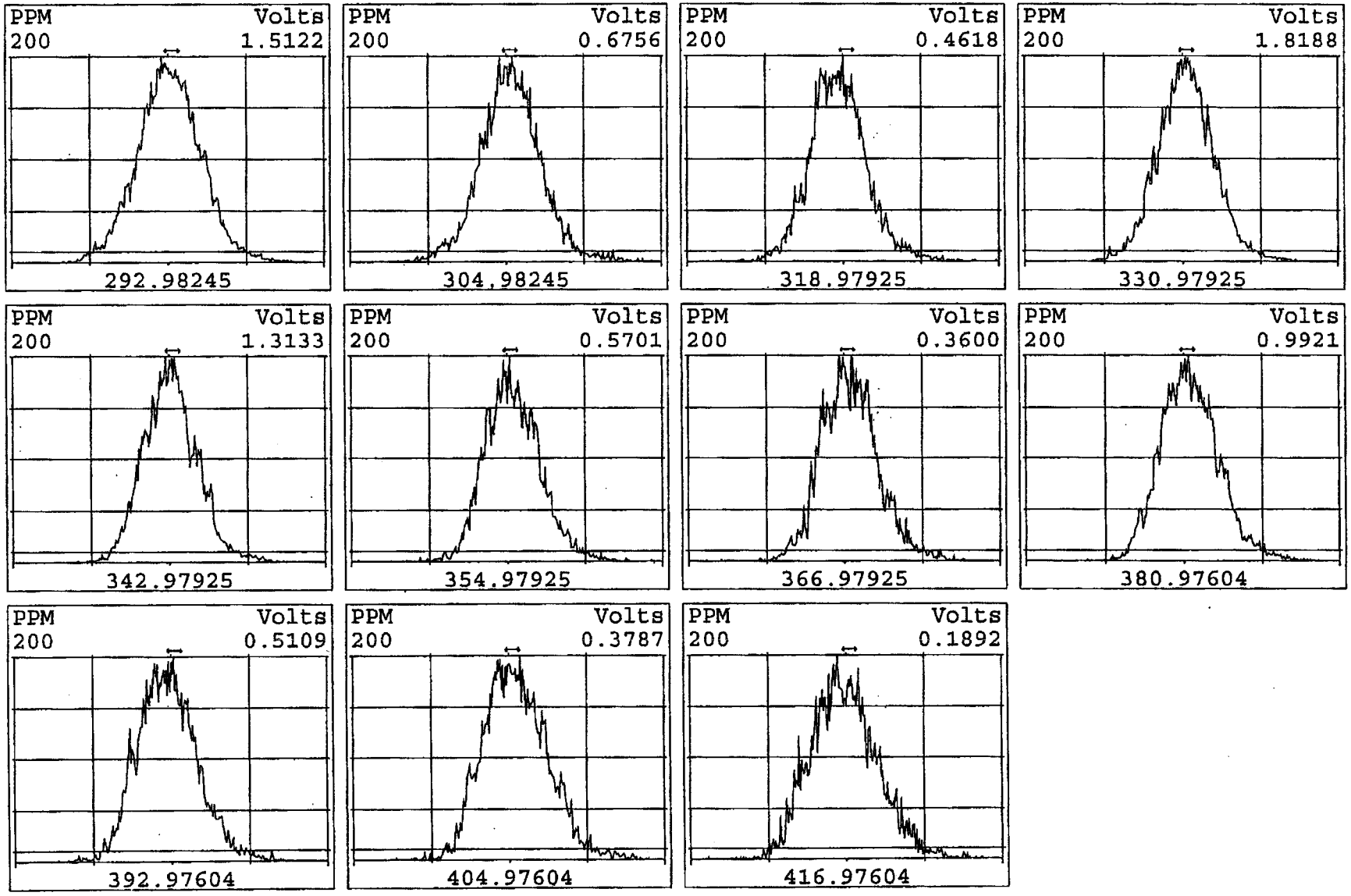




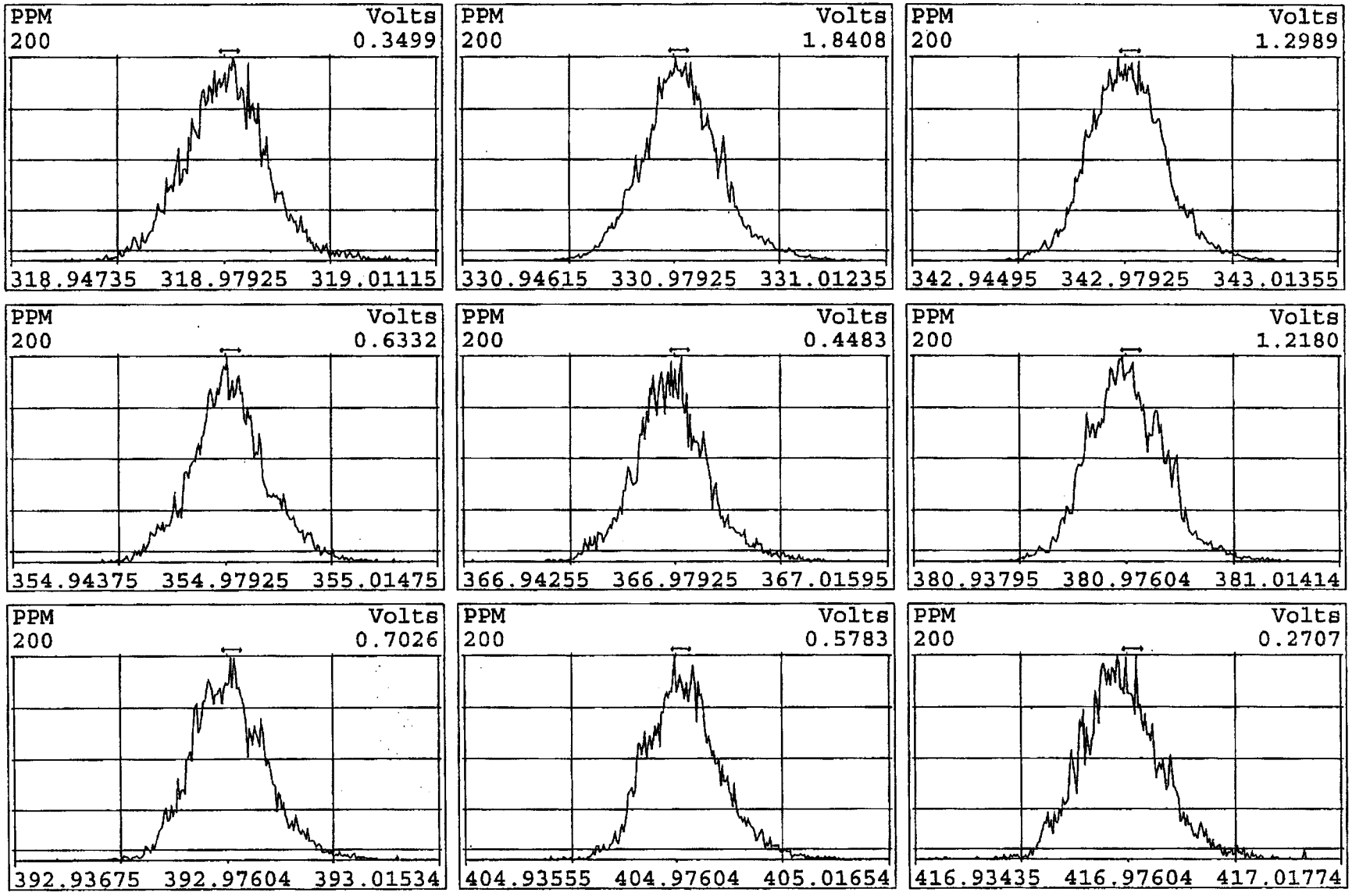




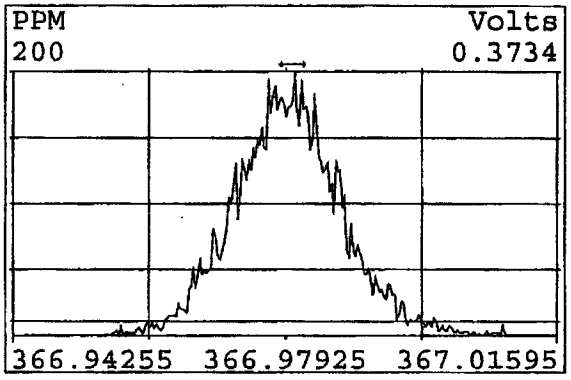
Peak Locate Examination:21-JUL-2010:21:39 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:1 Reference:PFK

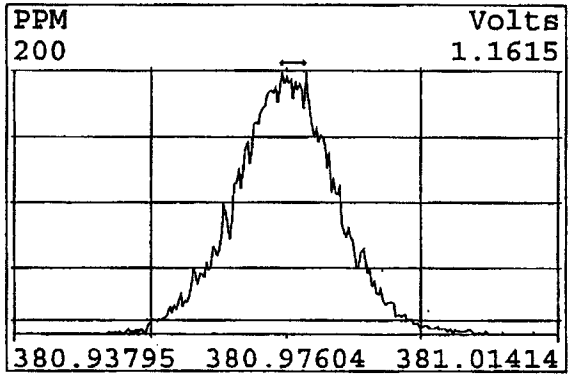


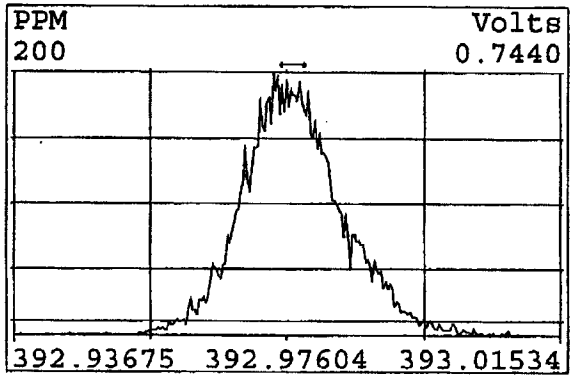
Peak Locate Examination:21-JUL-2010:21:40 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:2 Reference:PFK

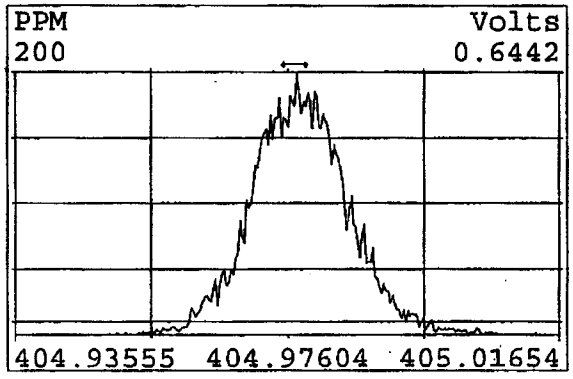


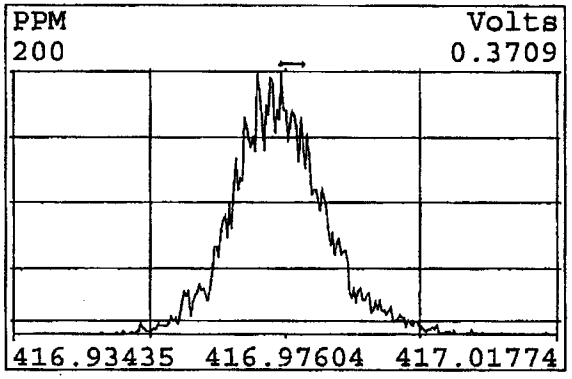
Peak Locate Examination:21-JUL-2010:21:40 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:3 Reference:PFK

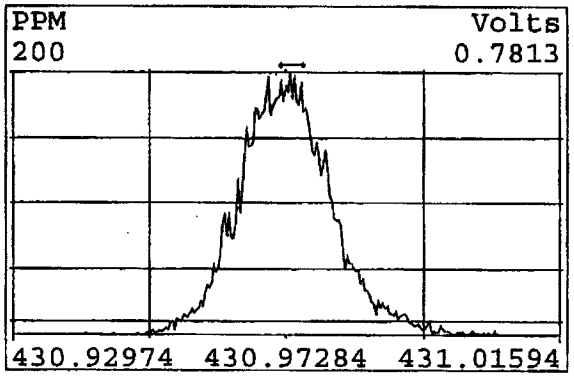


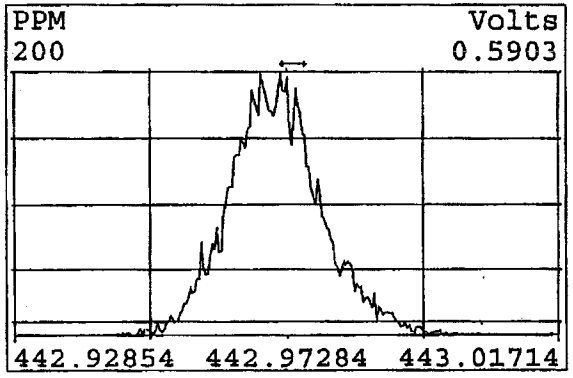


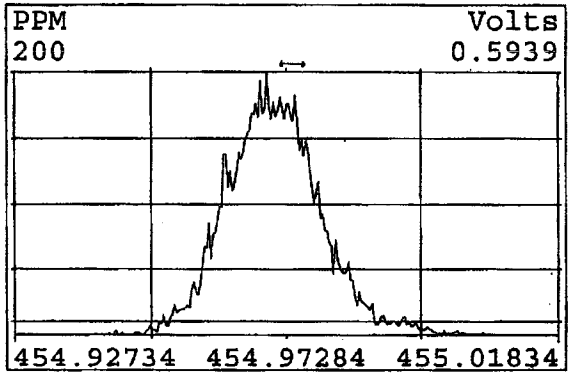




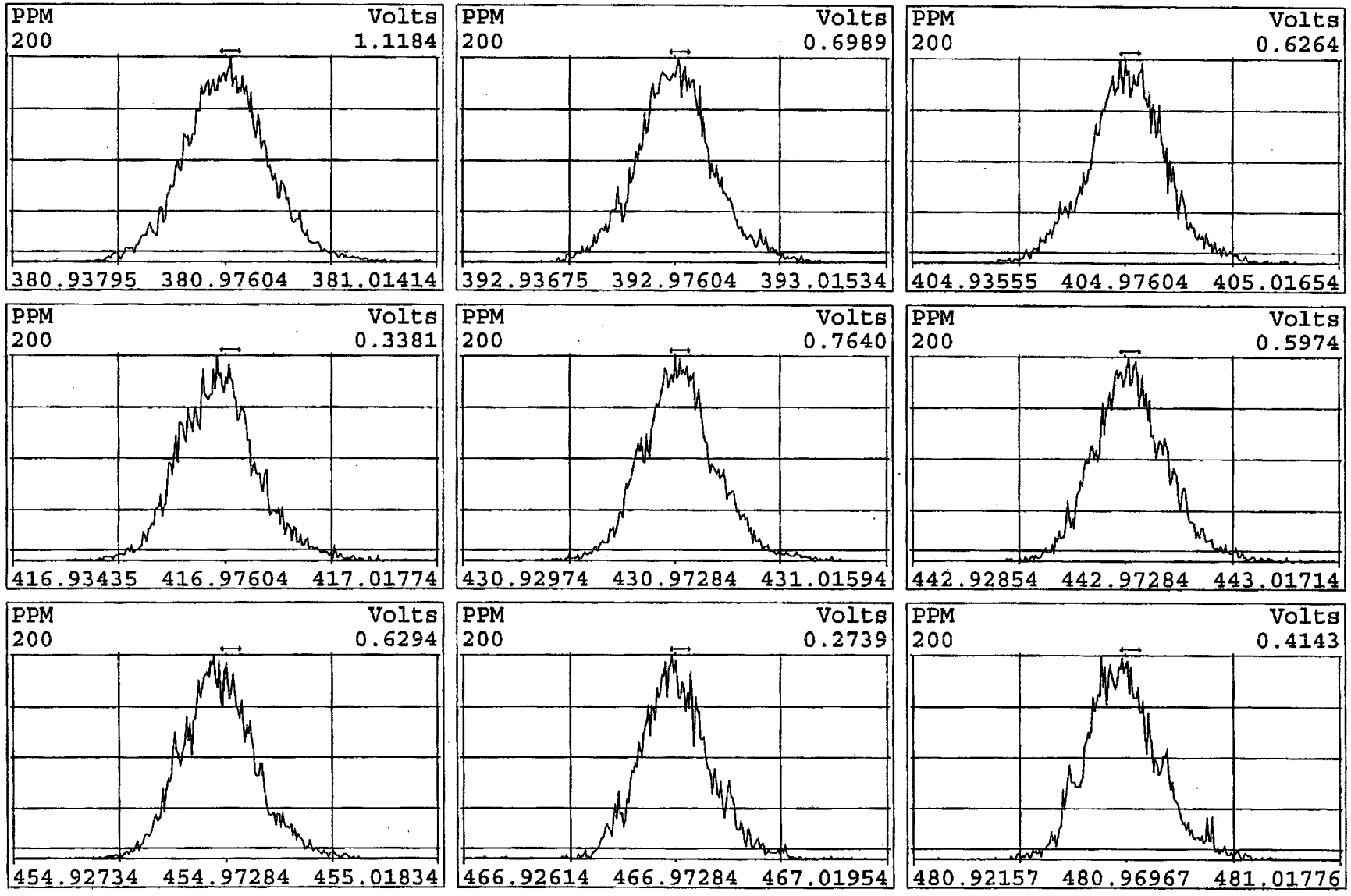




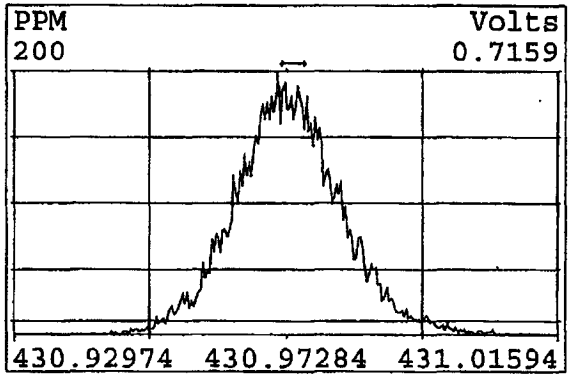


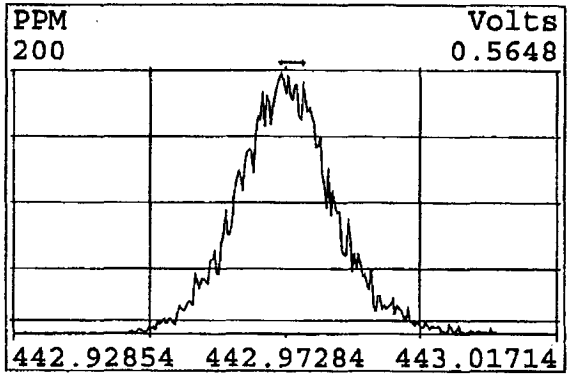


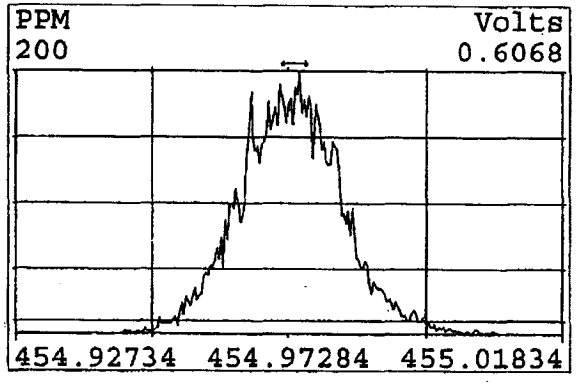
Peak Locate Examination:21-JUL-2010:21:41 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:4 Reference:PFK

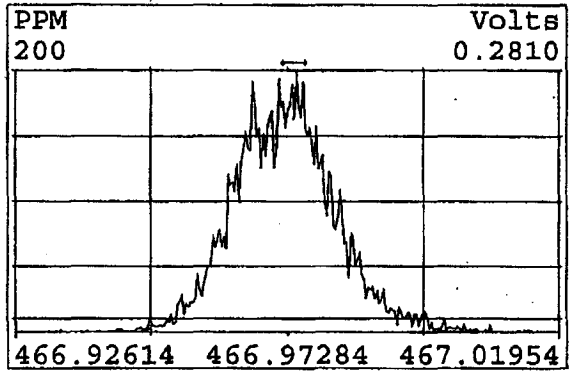


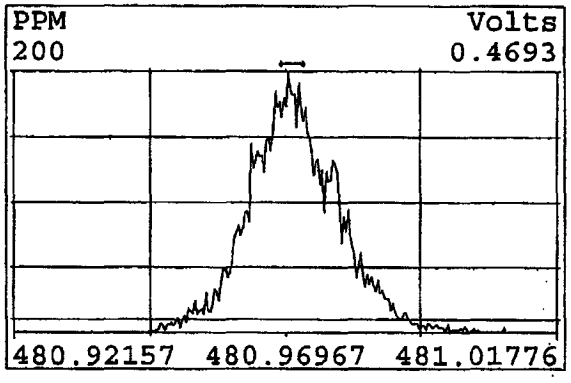
Peak Locate Examination:21-JUL-2010:21:44 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:5 Reference:PFK

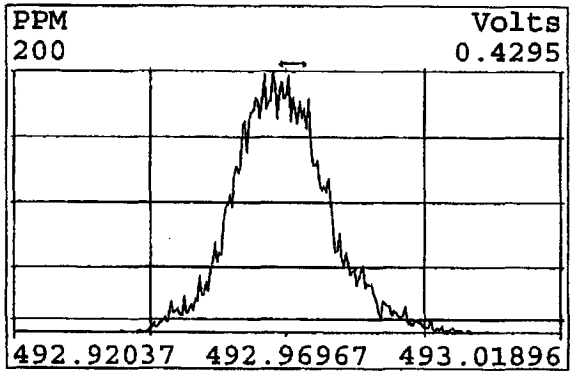


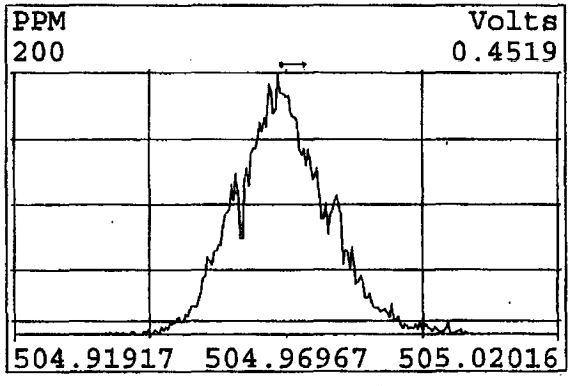


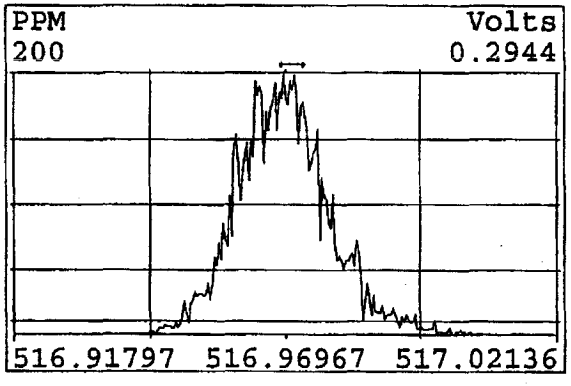




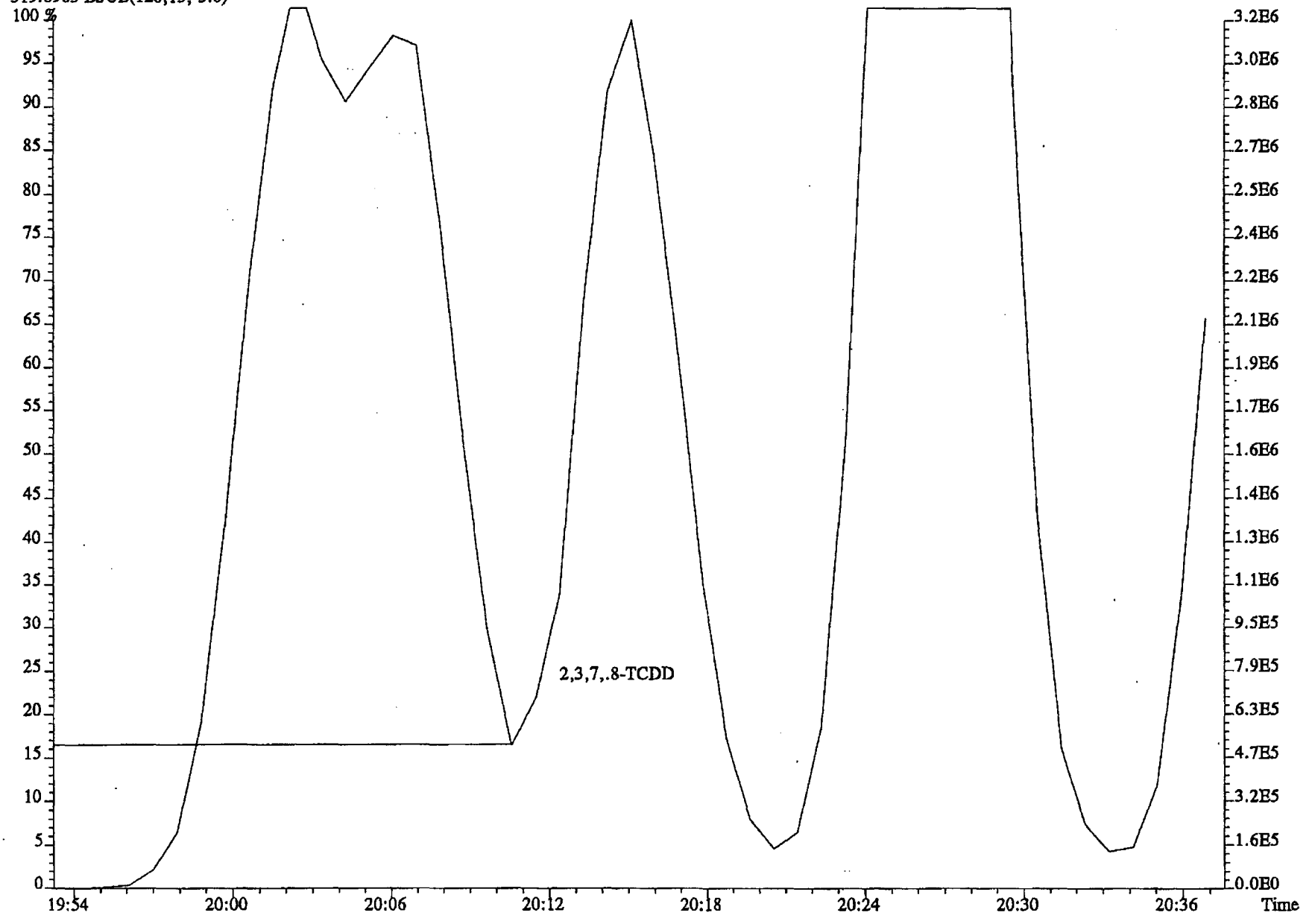








File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Exp:DIOXINRES
319.8965 BSUB(128,15,-3.0)



Run text: ST0721F Sample text: ST0721F :2nd Source 10DXN340
Run #6 Filename: 21JL10A4D5 S: 9 I: 1 Results: 21JL10A4D51613SS
Acquired: 21-JUL-10 20:34:02 Processed: 22-JUL-10 10:21:57
Run: 21JL10A4D5 Analyte: 1613 Cal: 16130721104D5
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

Spiked @ 200/500/1000
7/8-2/10 KS

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	307629000	0.78	y	20:01	-	92.11		-	-	n
13C-2,3,7,8-TCDF	413901000	0.78	y	19:24	1.23	2188.90		0.92	109.4	n
2,3,7,8-TCDF	38830800	0.76	y	19:25	0.99	188.67	94.3%	0.48	-	n
Total TCDF	39472107	1.33	n	17:31	0.99	191.78		0.48	-	n
13C-2,3,7,8-TCDD	294375000	0.78	y	20:13	0.91	2114.60		2.32	105.7	n
2,3,7,8-TCDD	27522700	0.81	y	20:14	0.98	190.13	95%	0.52	-	n
Total TCDD	27522700	0.81	y	20:14	0.98	190.13		0.52	-	n
37Cl-2,3,7,8-TCDD	76164600	1.00	y	20:14	1.20	412.65		0.41	103.2	n
13C-1,2,3,7,8-PeCDF	302436000	1.54	y	25:17	0.88	2244.44		1.40	112.2	n
1,2,3,7,8-PeCDF	77546500	1.54	y	25:19	1.08	476.31	95.3%	1.04	-	n
13C-2,3,4,7,8-PeCDF	271363000	1.54	y	26:49	0.88	2003.66		1.40	100.2	n
2,3,4,7,8-PeCDF	68923500	1.55	y	26:51	1.04	488.17	97.6%	1.32	-	n
Total F2 PeCDF	149591746	1.40	y	23:44	1.06	985.04		1.17	-	n
Total F1 PeCDF	*	*	n	NotFnd	1.06	*		1.08	-	n
13C-1,2,3,7,8-PeCDD	187042900	1.56	y	27:41	0.66	1840.17		0.85	92.0	n
1,2,3,7,8-PeCDD	41178400	1.55	y	27:43	0.93	475.77	95%	1.23	-	n
Total PeCDD	41347624	2.76	n	25:18	0.93	477.73		1.23	-	n
13C-1,2,3,7,8,9-HxCDD	186030000	1.31	y	33:22	-	78.56		-	-	y
13C-1,2,3,4,7,8-HxCDF	197163100	0.50	y	32:16	1.04	2028.83		4.92	101.4	n
1,2,3,4,7,8-HxCDF	62815000	1.17	y	32:17	1.22	523.47	104.7%	1.49	-	n
13C-1,2,3,6,7,8-HxCDF	249545100	0.52	y	32:22	1.19	2251.50		4.31	112.6	n
1,2,3,6,7,8-HxCDF	64154700	1.18	y	32:24	1.12	458.58	91.7%	1.45	-	n
13C-2,3,4,6,7,8-HxCDF	228157700	0.51	y	32:54	1.12	2184.24		4.58	109.2	n
2,3,4,6,7,8-HxCDF	61275400	1.15	y	32:54	1.14	469.19	93.8%	1.35	-	n
13C-1,2,3,7,8,9-HxCDF	202978100	0.52	y	33:31	1.02	2140.44		5.04	107.0	n
1,2,3,7,8,9-HxCDF	54870000	1.19	y	33:32	1.12	482.01	96.4%	1.58	-	n
Total HxCDF	243548785	1.21	y	31:03	1.15	1936.68		1.46	-	n
13C-1,2,3,4,7,8-HxCDD	168448700	1.31	y	33:02	0.88	2067.53		1.23	103.4	y
1,2,3,4,7,8-HxCDD	39583500	1.24	y	33:03	0.98	479.57	95.9 %	1.14	-	n
13C-1,2,3,6,7,8-HxCDD	171613300	1.31	y	33:06	0.83	2221.03		1.29	111.1	y
1,2,3,6,7,8-HxCDD	45328400	1.28	y	33:07	1.16	454.27	90.8%	0.97	-	n
1,2,3,7,8,9-HxCDD	45402600	1.24	y	33:22	1.15	465.05	93%	0.97	-	n
Total HxCDD	130450140	4.93	n	32:18	1.09	1400.35		1.02	-	n
13C-1,2,3,4,6,7,8-HpCDF	182370400	0.43	y	34:53	0.91	2154.51		6.23	107.7	n
1,2,3,4,6,7,8-HpCDF	58068900	1.00	y	34:54	1.35	473.20	94.6 %	1.73	-	n
13C-1,2,3,4,7,8,9-HpCDF	150417500	0.43	y	36:02	0.76	2122.83		7.45	106.1	n
1,2,3,4,7,8,9-HpCDF	47489800	1.02	y	36:03	1.30	483.90	96.8 %	2.38	-	n
Total HpCDF	107404819	1.00	y	34:54	1.33	973.82		2.02	-	n

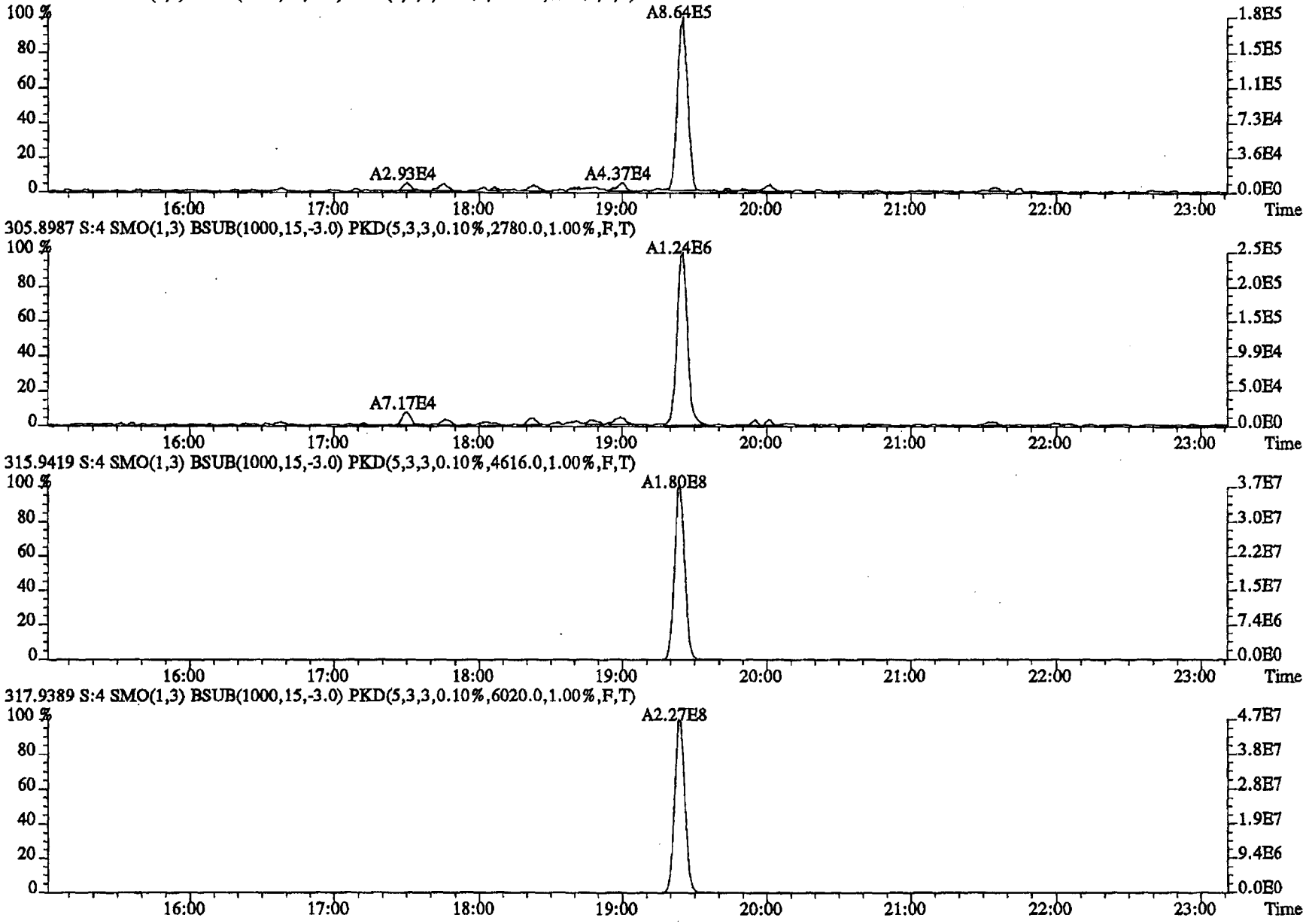
13C-1,2,3,4,6,7,8-HpCDD	161779300	0.96	y	35:42	0.83	2104.12		5.07	105.2	n
1,2,3,4,6,7,8-HpCDD	42052300	1.04	y	35:43	1.07	485.09	97%	1.80	-	n
Total HpCDD	43164489	1.03	y	35:09	1.07	497.92		1.80	-	n
13C-OCDD	265623000	0.89	y	38:16	0.62	4606.72		4.74	115.2	n
OCDF	85350600	0.91	y	38:23	1.37	937.96	93.8%	1.38	-	n
OCDD	74923500	0.91	y	38:16	1.20	940.76	94%	1.58	-	n

Run text: ST0721F Sample text: ST0721F :2nd Source 10DXN340
Run #6 Filename: 21JL10A4D5 S: 9 I: 1 Results: 21JL10A4D51613SS
Acquired: 21-JUL-10 20:34:02 Processed: 22-JUL-10 10:21:57
Run: 21JL10A4D5 Analyte: 1613 Cal: 16130721104D5
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

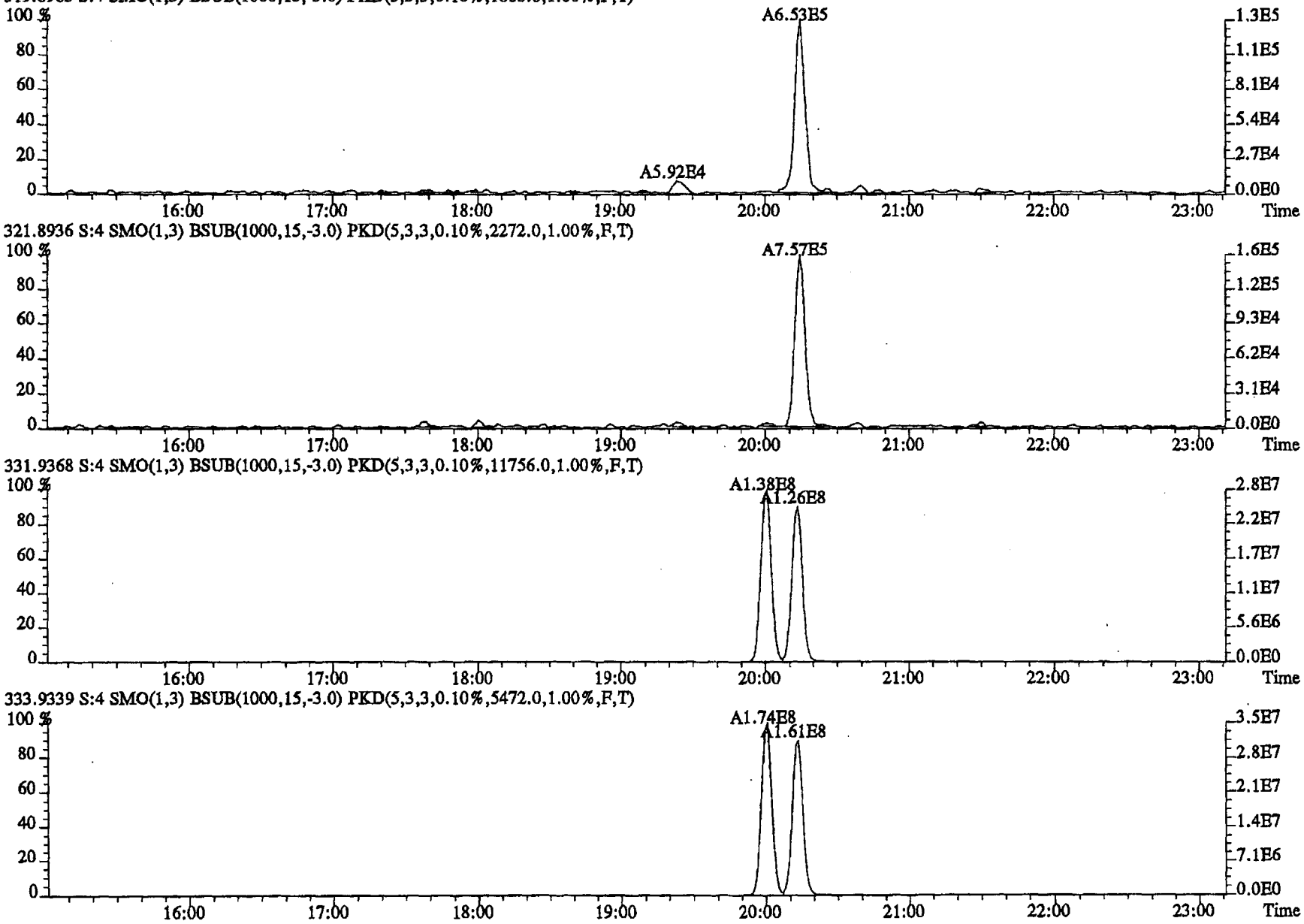
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	307629000	0.78	y	20:01	-	92.11	-	-	n
13C-2,3,7,8-TCDF	413901000	0.78	y	19:24	1.23	2188.90	0.92	109.4	n
2,3,7,8-TCDF	38830800	0.76	y	19:25	0.99	188.67	0.48	-	n
Total TCDF	39472107	1.33	n	17:31	0.99	191.78	0.48	-	n
13C-2,3,7,8-TCDD	294375000	0.78	y	20:13	0.91	2114.60	2.32	105.7	n
2,3,7,8-TCDD	27522700	0.81	y	20:14	0.98	190.13	0.52	-	n
Total TCDD	27522700	0.81	y	20:14	0.98	190.13	0.52	-	n
37Cl-2,3,7,8-TCDD	76164600	1.00	y	20:14	1.20	412.65	0.41	103.2	n
13C-1,2,3,7,8-PeCDF	302436000	1.54	y	25:17	0.88	2244.44	1.40	112.2	n
1,2,3,7,8-PeCDF	77546500	1.54	y	25:19	1.08	476.31	1.04	-	n
13C-2,3,4,7,8-PeCDF	271363000	1.54	y	26:49	0.88	2003.66	1.40	100.2	n
2,3,4,7,8-PeCDF	68923500	1.55	y	26:51	1.04	488.17	1.32	-	n
Total F2 PeCDF	149591746	1.40	y	23:44	1.06	985.04	1.17	-	n
Total F1 PeCDF	*	*	n	NotFnd	1.06	*	1.08	-	n
13C-1,2,3,7,8-PeCDD	187042900	1.56	y	27:41	0.66	1840.17	0.85	92.0	n
1,2,3,7,8-PeCDD	41178400	1.55	y	27:43	0.93	475.77	1.23	-	n
Total PeCDD	41347624	2.76	n	25:18	0.93	477.73	1.23	-	n
13C-1,2,3,7,8,9-HxCDD	186073000	1.31	y	33:22	-	78.58	-	-	n
13C-1,2,3,4,7,8-HxCDF	197163100	0.50	y	32:16	1.04	2028.36	4.92	101.4	n
1,2,3,4,7,8-HxCDF	62815000	1.17	y	32:17	1.22	523.47	1.49	-	n
13C-1,2,3,6,7,8-HxCDF	249545100	0.52	y	32:22	1.19	2250.98	4.31	112.5	n
1,2,3,6,7,8-HxCDF	64154700	1.18	y	32:24	1.12	458.58	1.45	-	n
13C-2,3,4,6,7,8-HxCDF	228157700	0.51	y	32:54	1.12	2183.74	4.58	109.2	n
2,3,4,6,7,8-HxCDF	61275400	1.15	y	32:54	1.14	469.19	1.35	-	n
13C-1,2,3,7,8,9-HxCDF	202978100	0.52	y	33:31	1.02	2139.94	5.04	107.0	n
1,2,3,7,8,9-HxCDF	54870000	1.19	y	33:32	1.12	482.01	1.58	-	n
Total HxCDF	243548785	1.21	y	31:03	1.15	1936.68	1.46	-	n
13C-1,2,3,4,7,8-HxCDD	151949728	1.50	n	33:02	0.88	1864.59	1.23	93.2	n
1,2,3,4,7,8-HxCDD	39583500	1.24	y	33:03	0.98	531.65	1.26	-	n
13C-1,2,3,6,7,8-HxCDD	170186500	1.15	y	33:06	0.83	2202.05	1.29	110.1	n
1,2,3,6,7,8-HxCDD	45328400	1.28	y	33:07	1.16	458.08	0.97	-	n
1,2,3,7,8,9-HxCDD	45402600	1.24	y	33:22	1.15	490.93	1.03	-	n
Total HxCDD	130450140	4.93	n	32:18	1.09	1482.19	1.08	-	n
13C-1,2,3,4,6,7,8-HpCDF	182370400	0.43	y	34:53	0.91	2154.02	6.23	107.7	n
1,2,3,4,6,7,8-HpCDF	58068900	1.00	y	34:54	1.35	473.20	1.73	-	n
13C-1,2,3,4,7,8,9-HpCDF	150417500	0.43	y	36:02	0.76	2122.34	7.45	106.1	n
1,2,3,4,7,8,9-HpCDF	47489800	1.02	y	36:03	1.30	483.90	2.38	-	n
Total HpCDF	107404819	1.00	y	34:54	1.33	973.82	2.02	-	n

13C-1,2,3,4,6,7,8-HpCDD	161779300	0.96	y	35:42	0.83	2103.64	5.07	105.2	n
1,2,3,4,6,7,8-HpCDD	42052300	1.04	y	35:43	1.07	485.09	1.80	-	n
Total HpCDD	43164489	1.03	y	35:09	1.07	497.92	1.80	-	n
13C-OCDD	265623000	0.89	y	38:16	0.62	4605.66	4.74	115.1	n
OCDF	85350600	0.91	y	38:23	1.37	937.96	1.38	-	n
OCDD	74923500	0.91	y	38:16	1.20	940.76	1.58	-	n

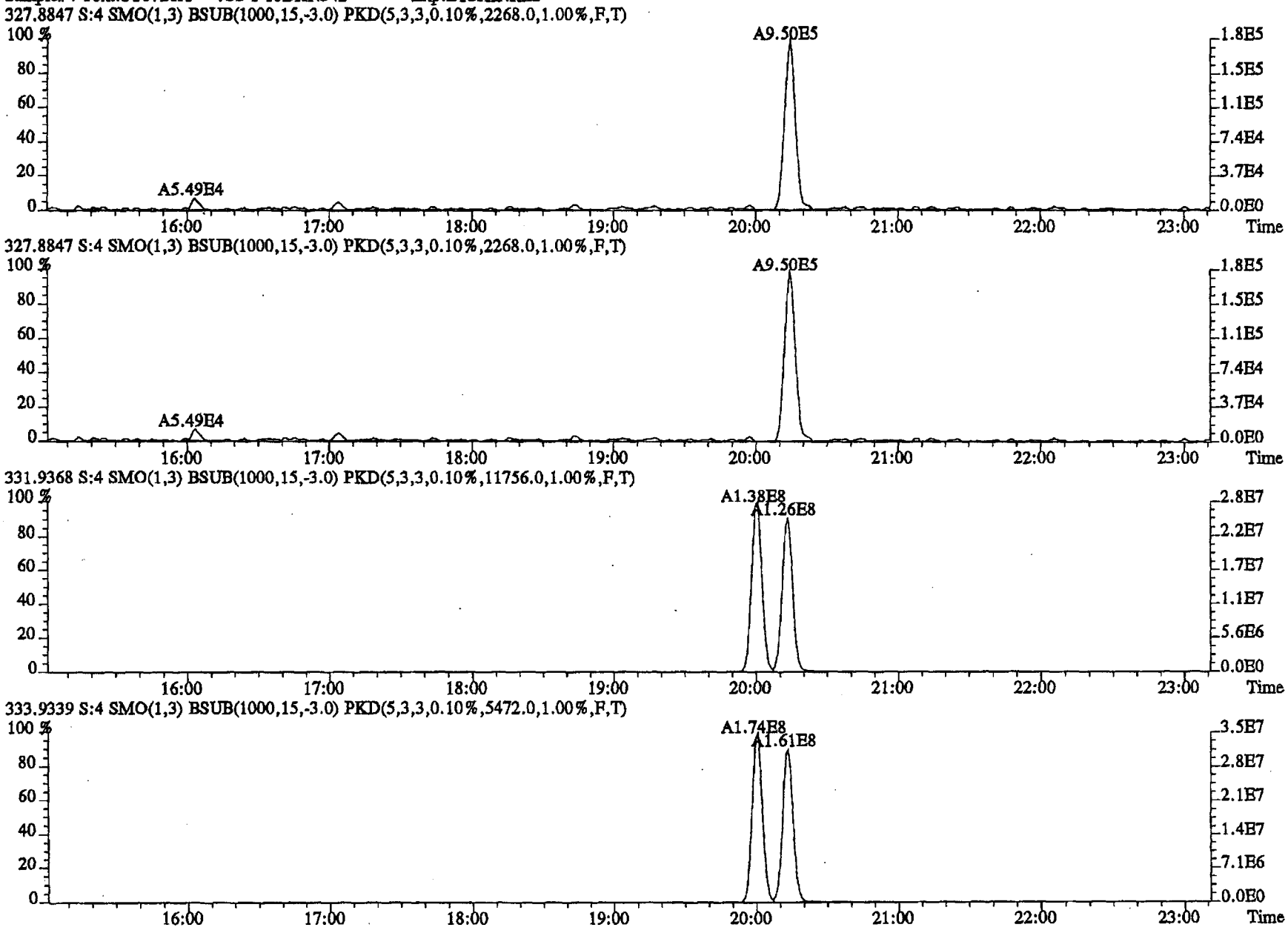
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



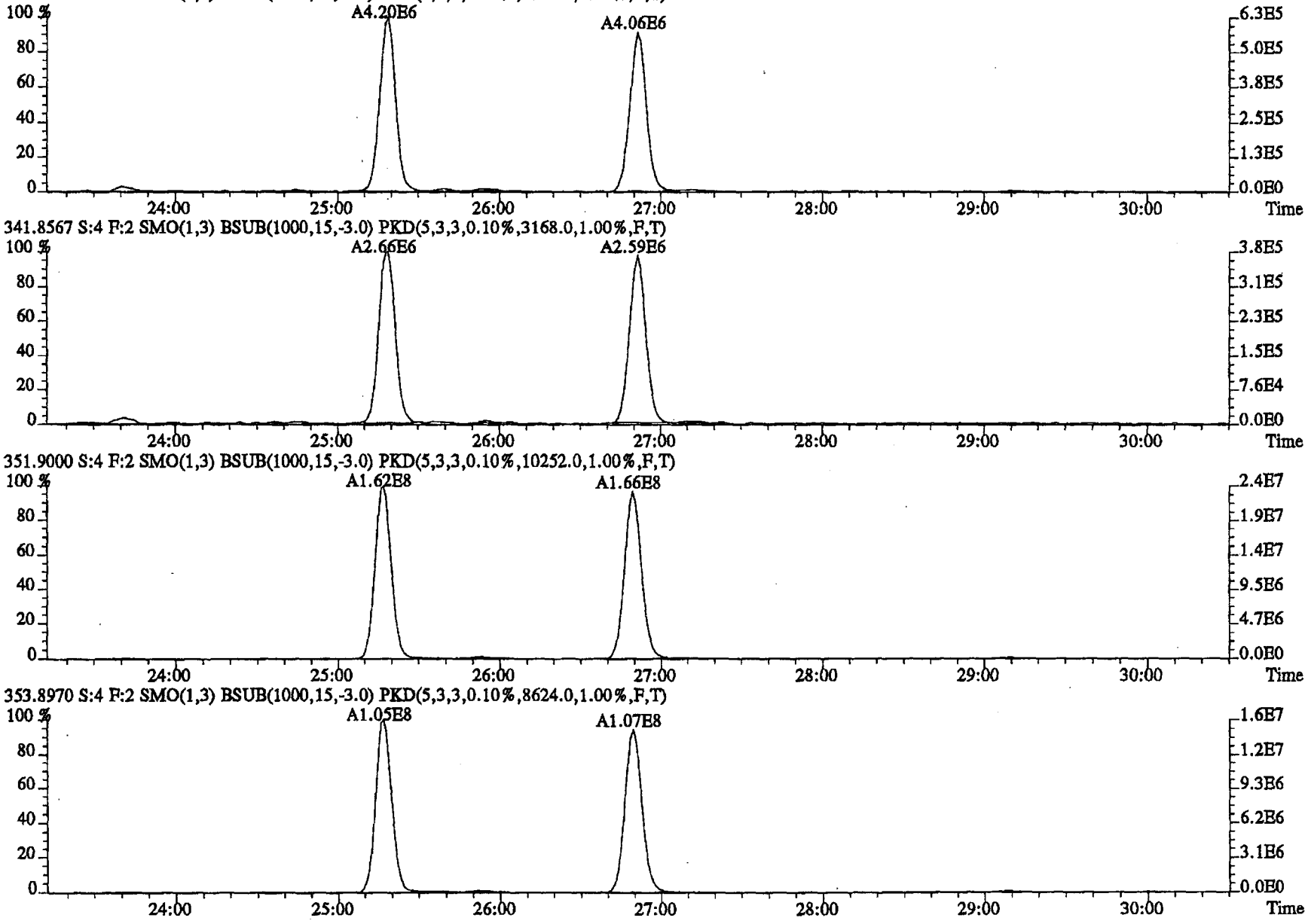
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



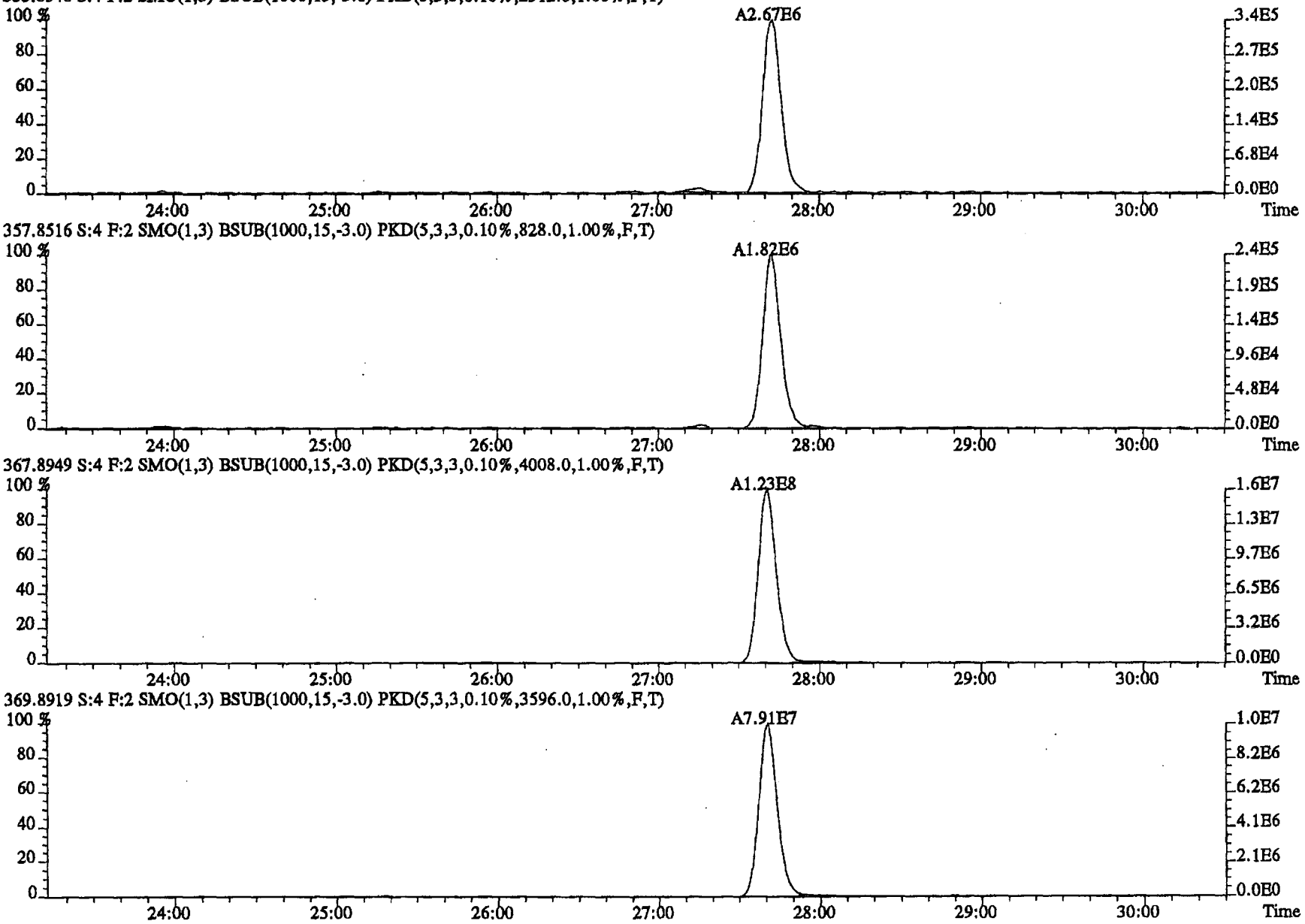
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



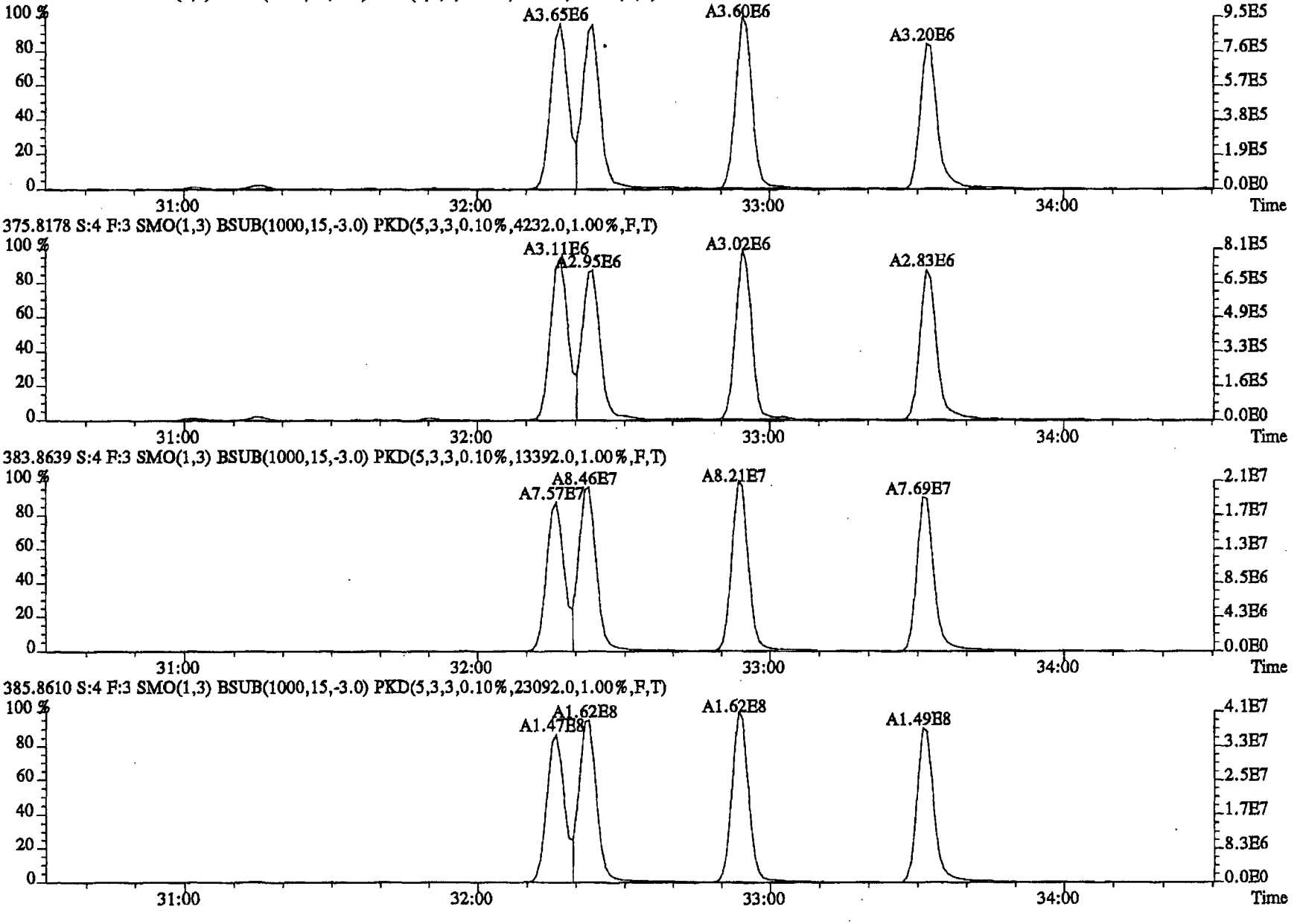
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



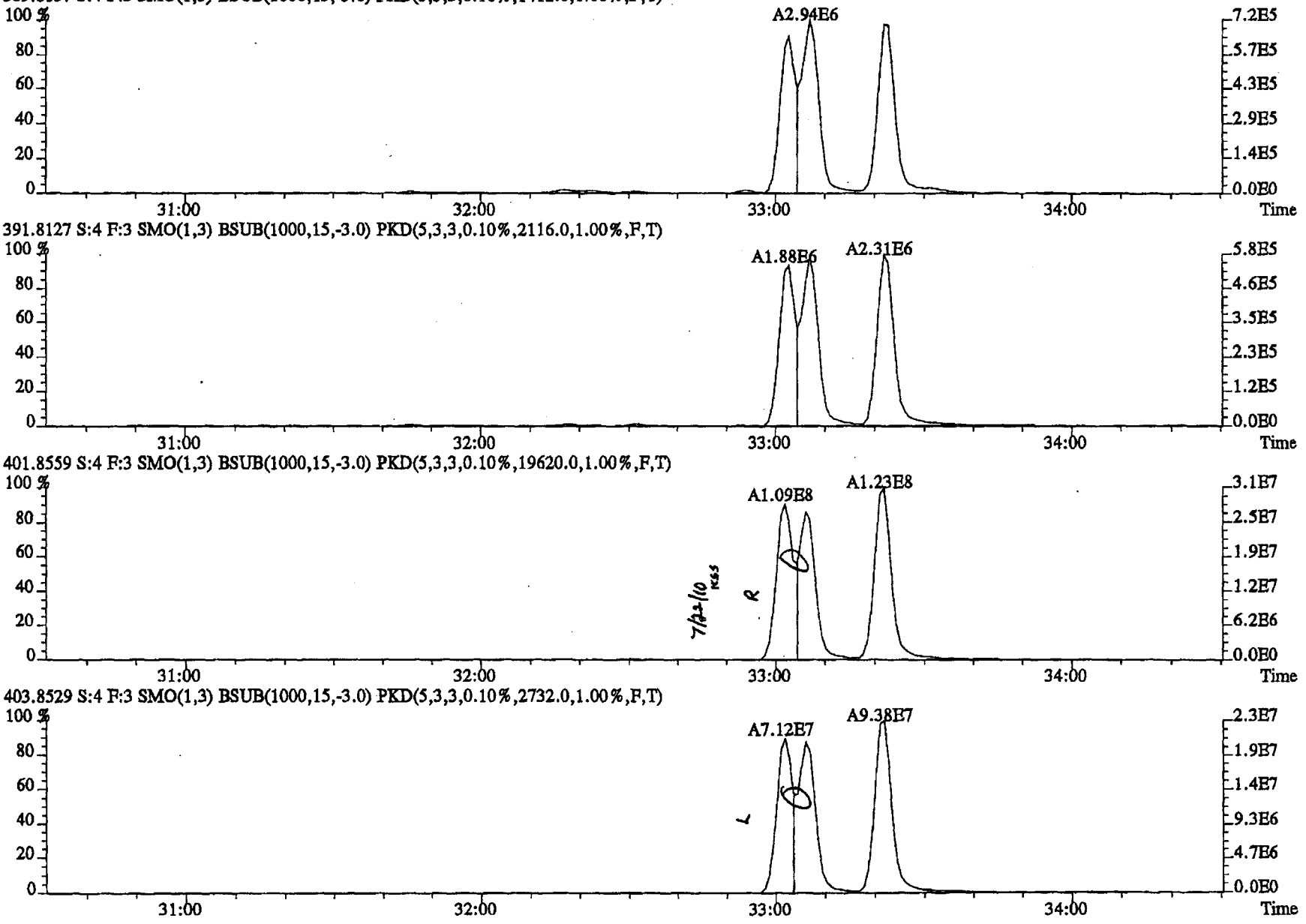
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



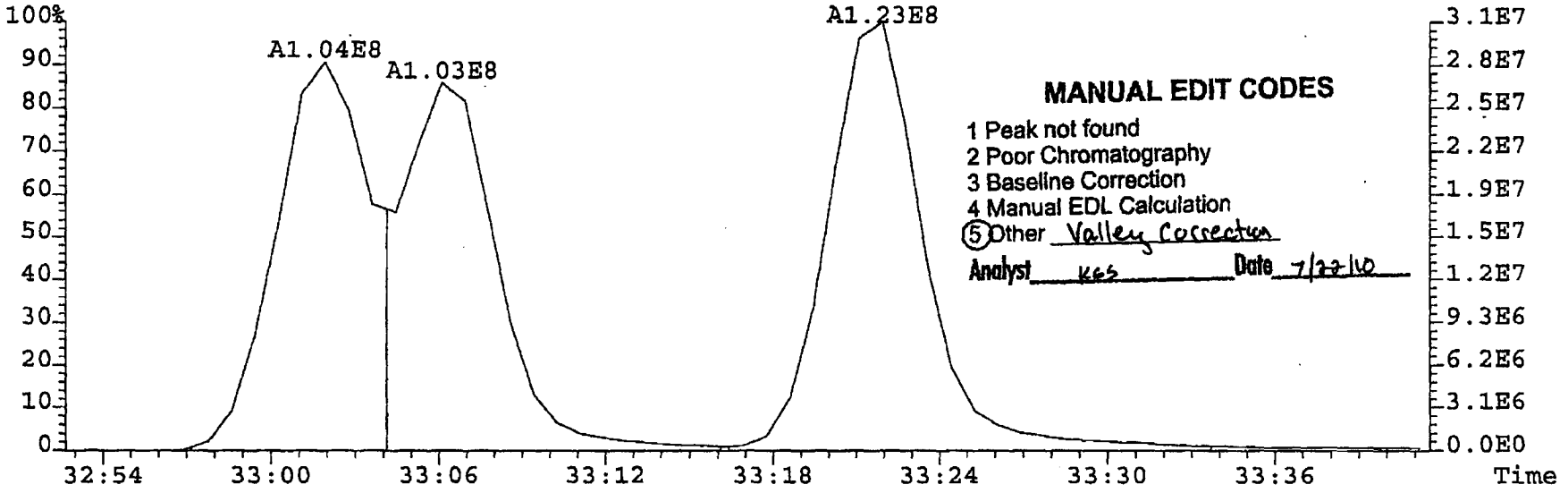
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19620.0,1.00%,F,T)

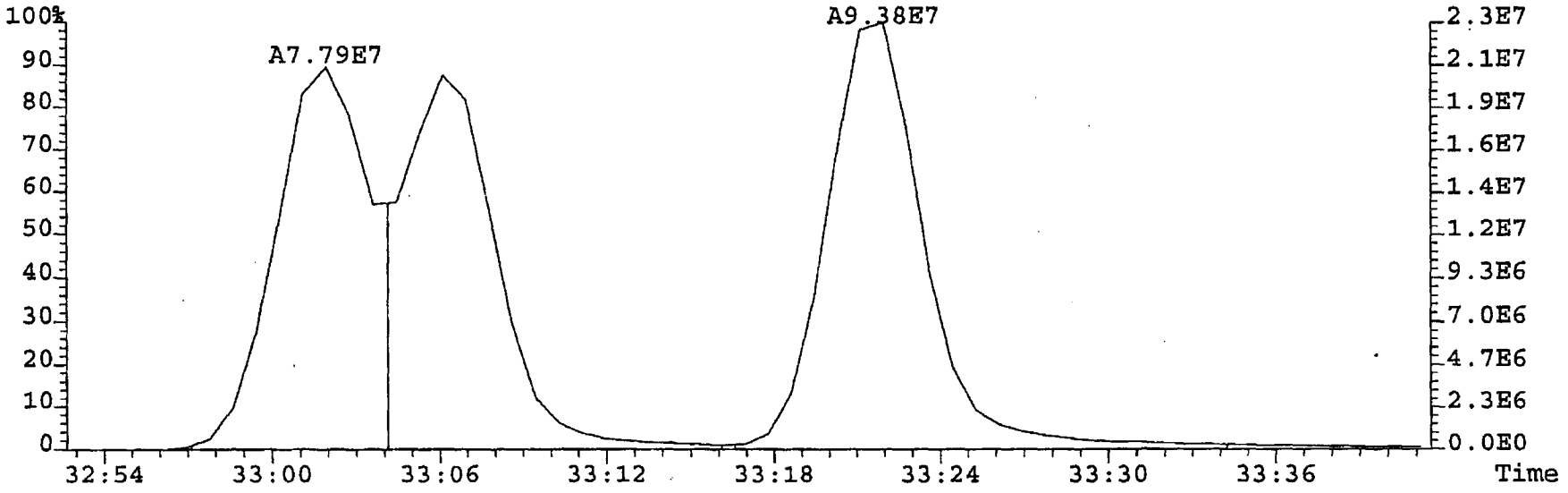


MANUAL EDIT CODES

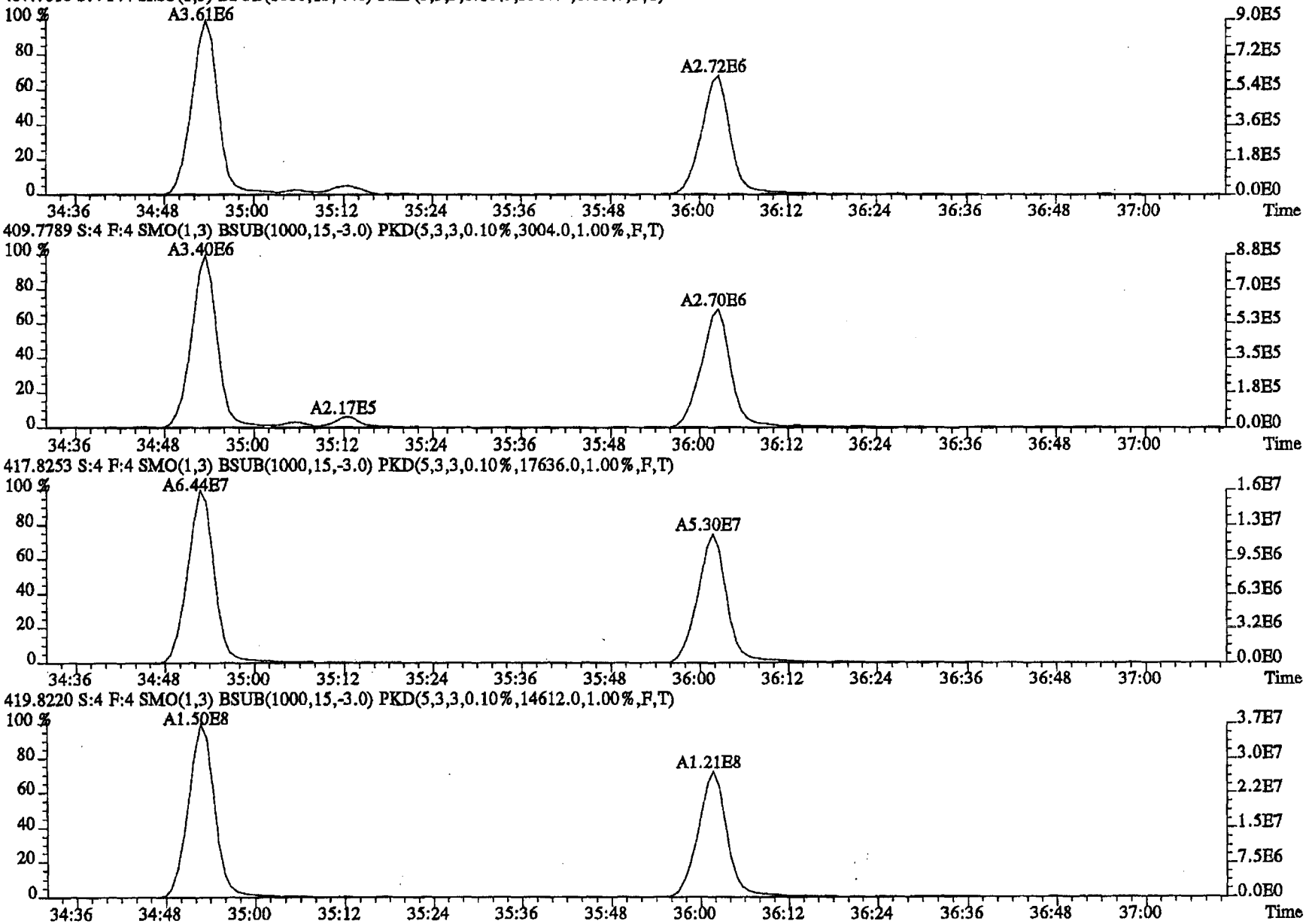
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
(5) Other Valley Correction

Analyst kes Date 7/22/10

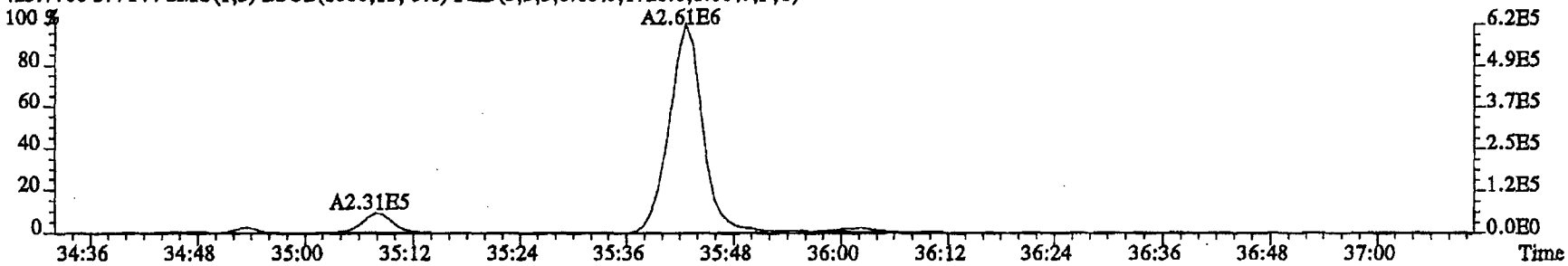
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2732.0,1.00%,F,T)



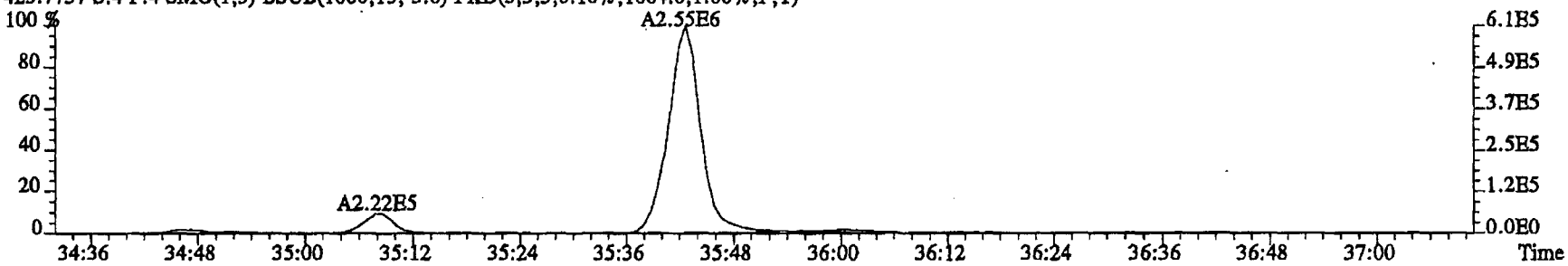
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



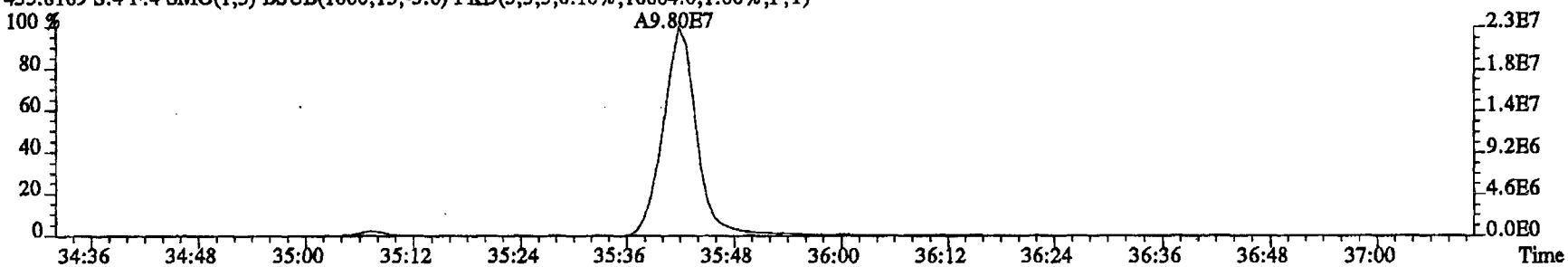
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1728.0,1.00%,F,T)



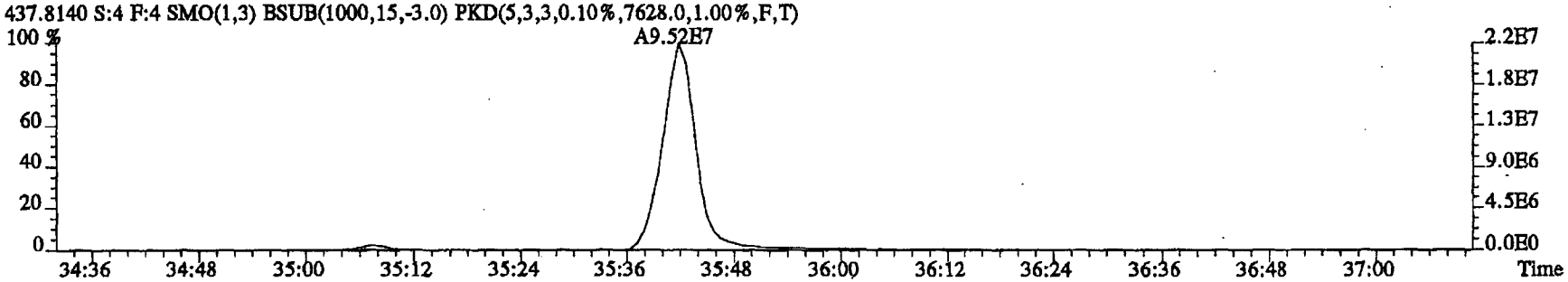
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1664.0,1.00%,F,T)



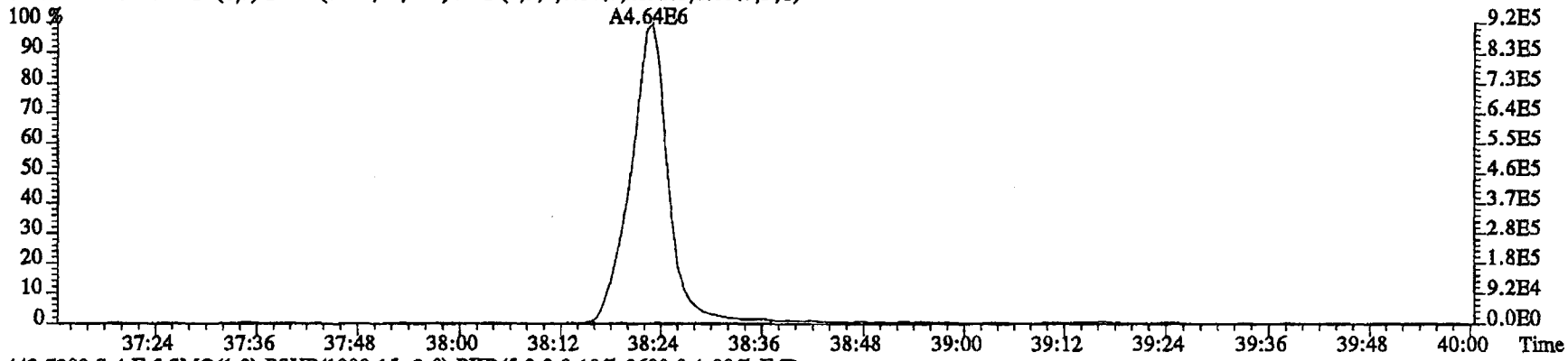
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16664.0,1.00%,F,T)



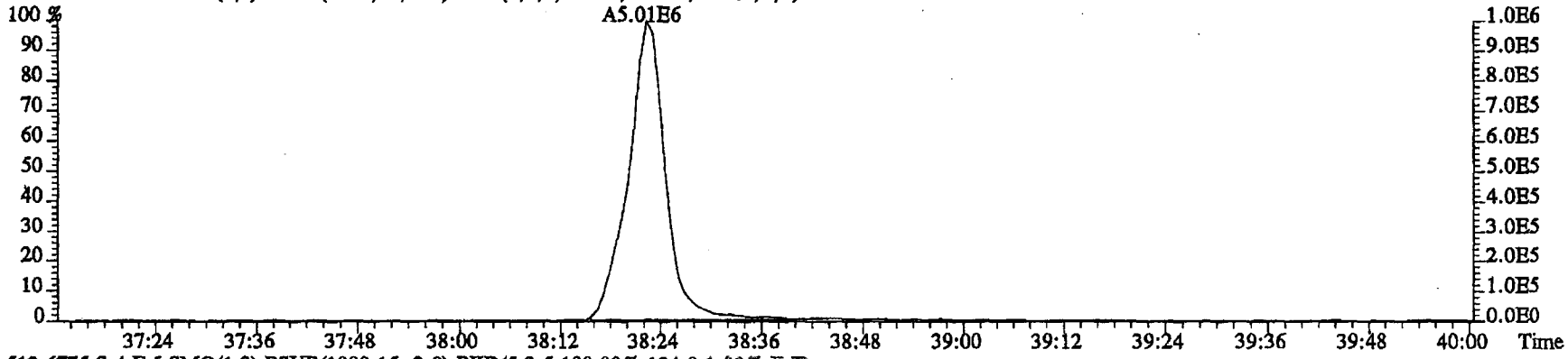
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7628.0,1.00%,F,T)



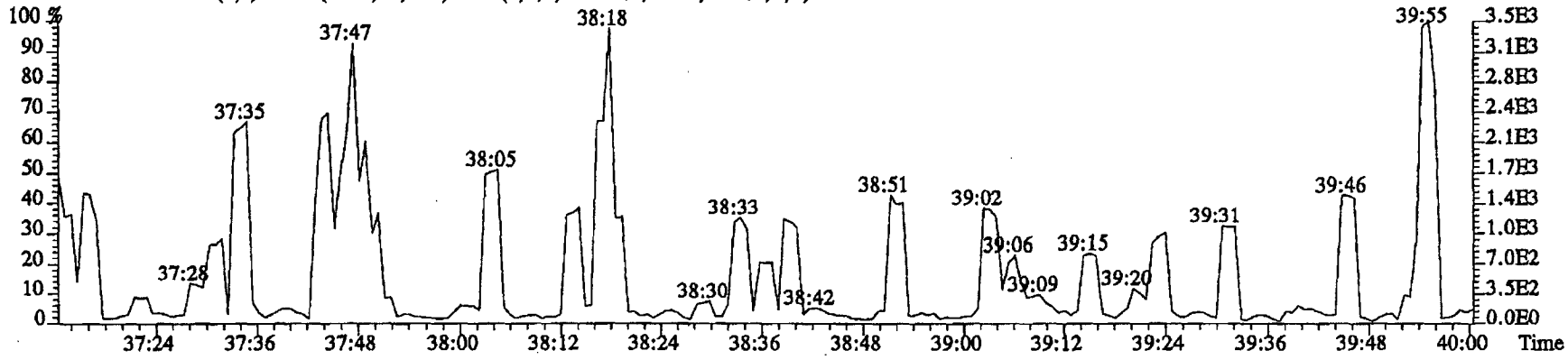
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T)



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2680.0,1.00%,F,T)

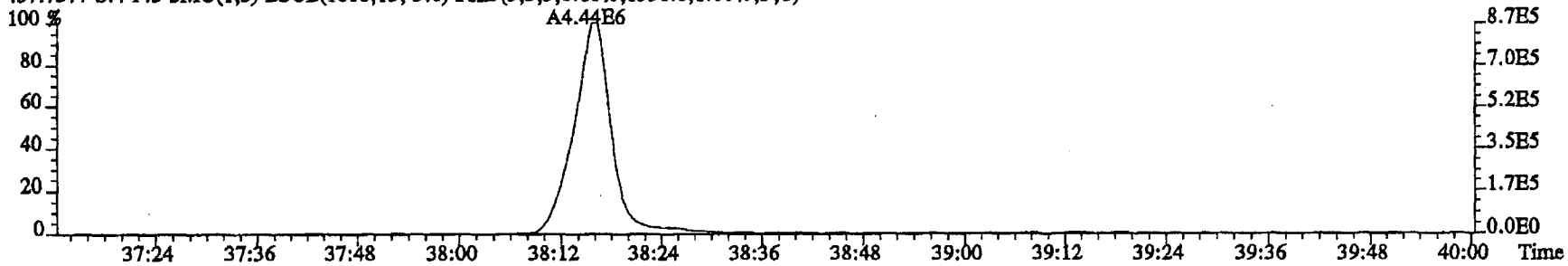


513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,124.0,1.00%,F,T)

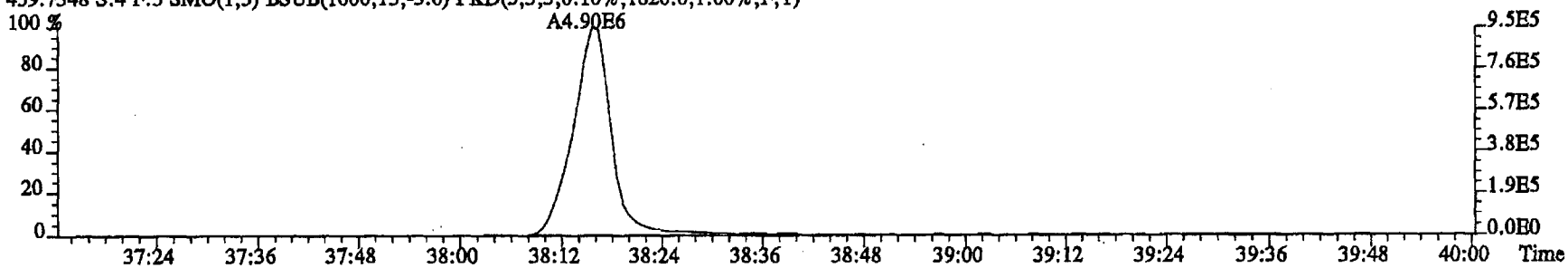


File:21JL10A4D5 #1-227 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES

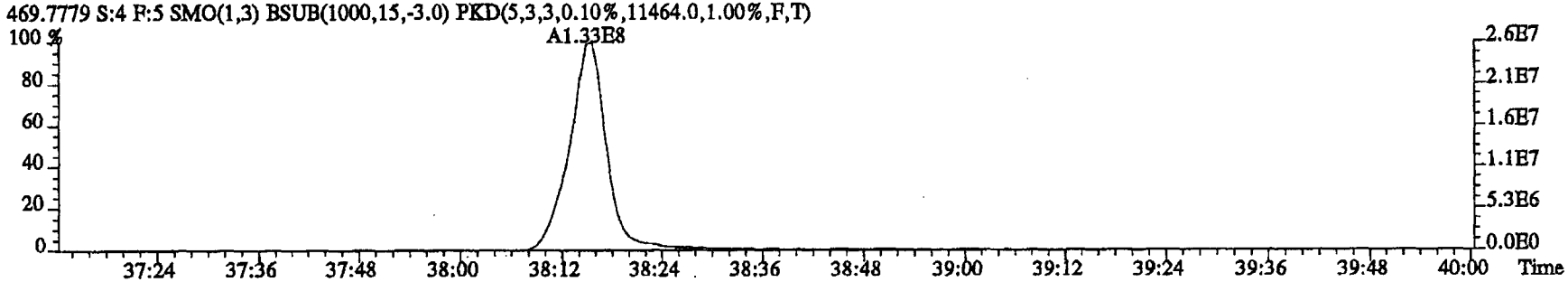
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)



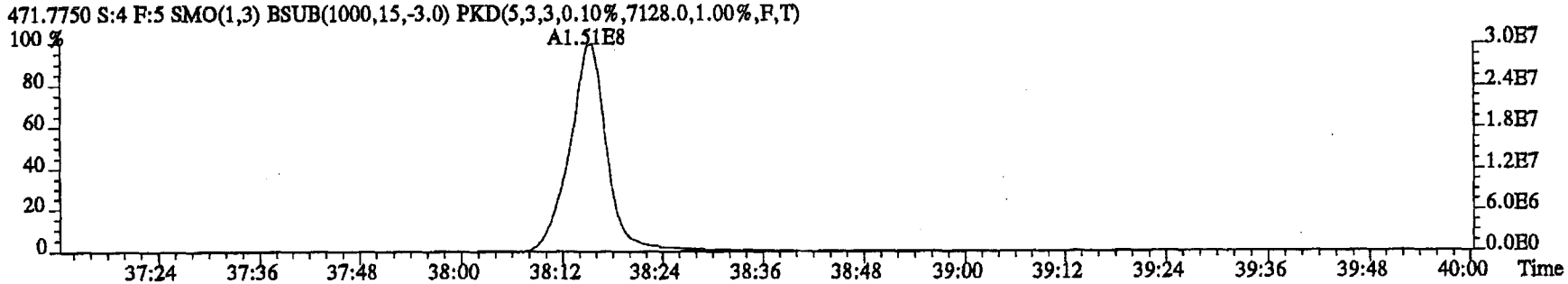
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)



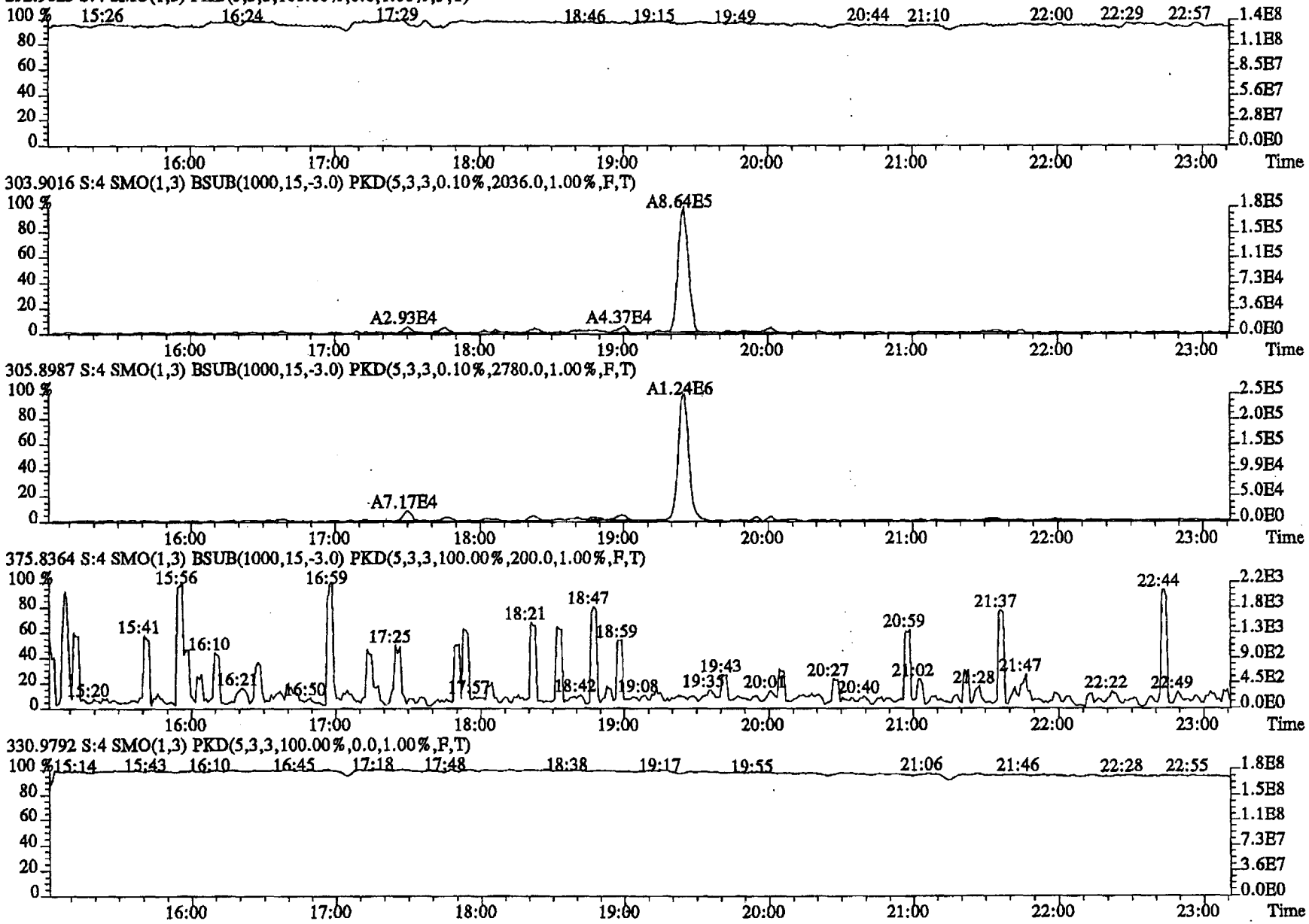
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11464.0,1.00%,F,T)

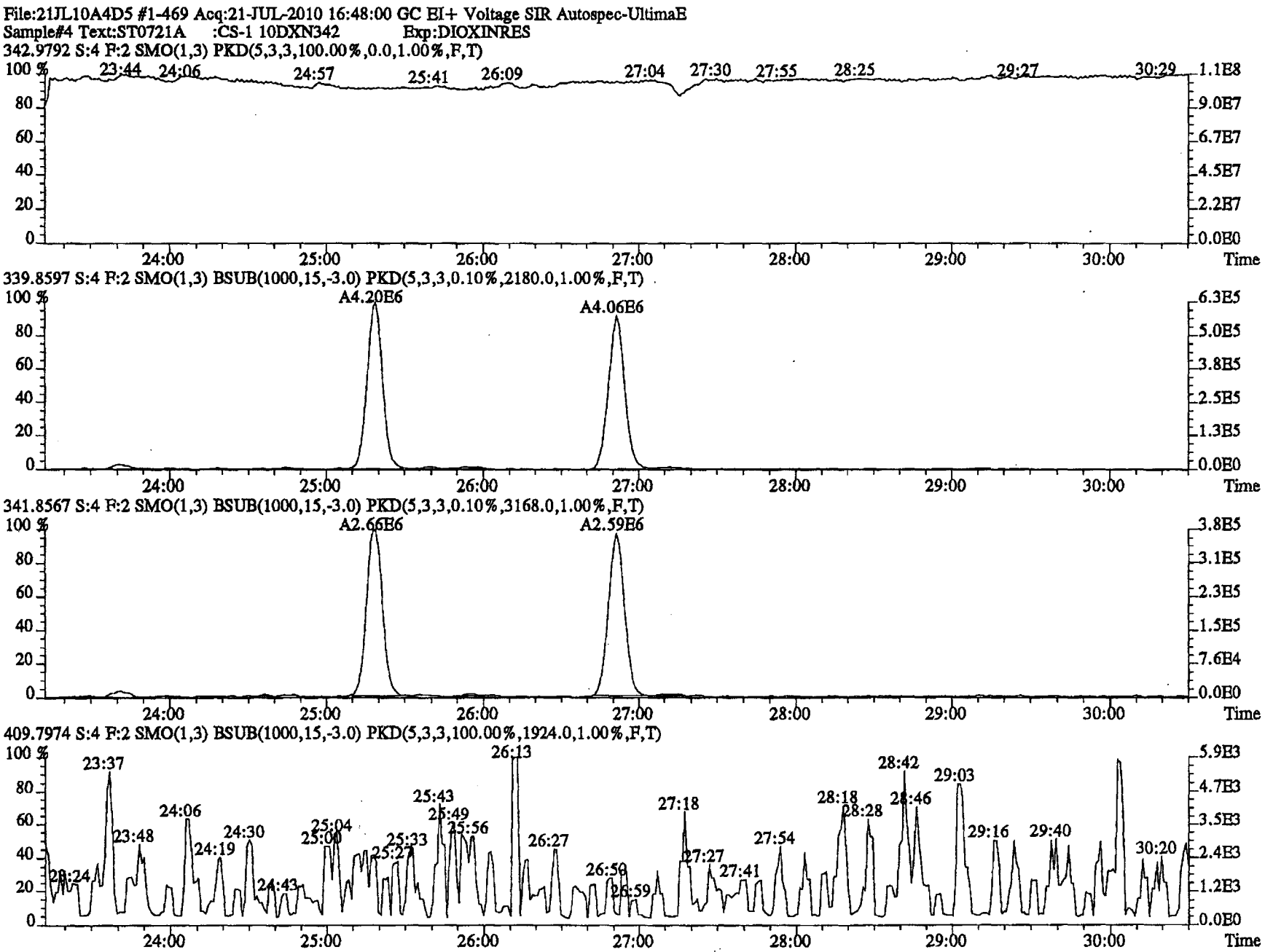


471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7128.0,1.00%,F,T)



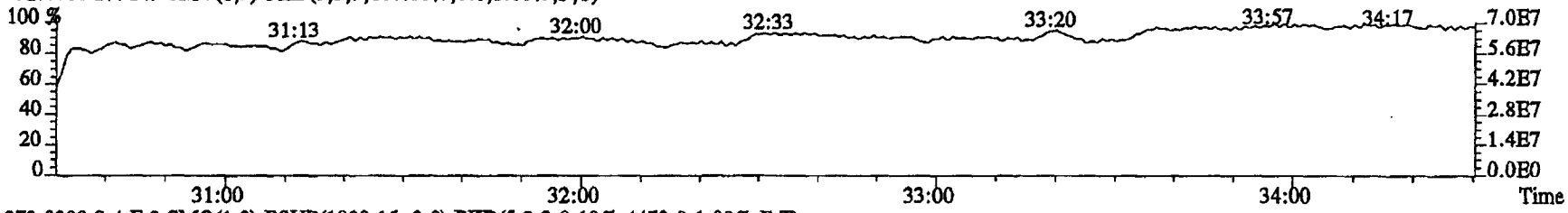
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



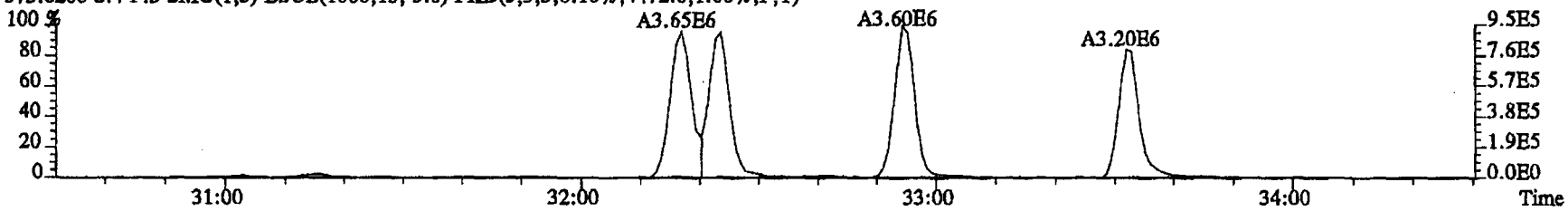


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES

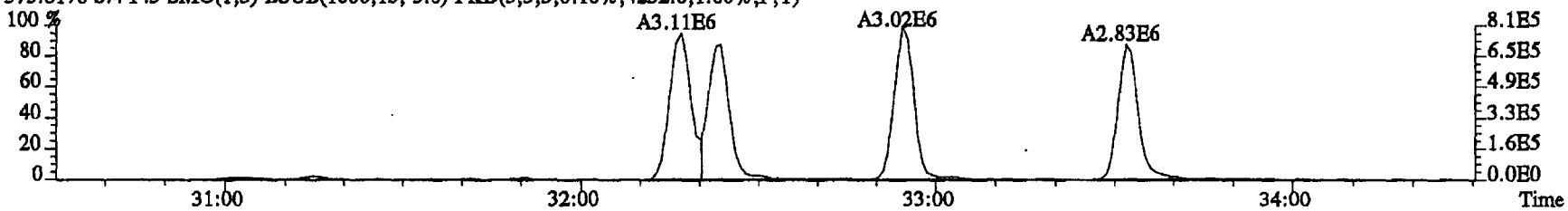
392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



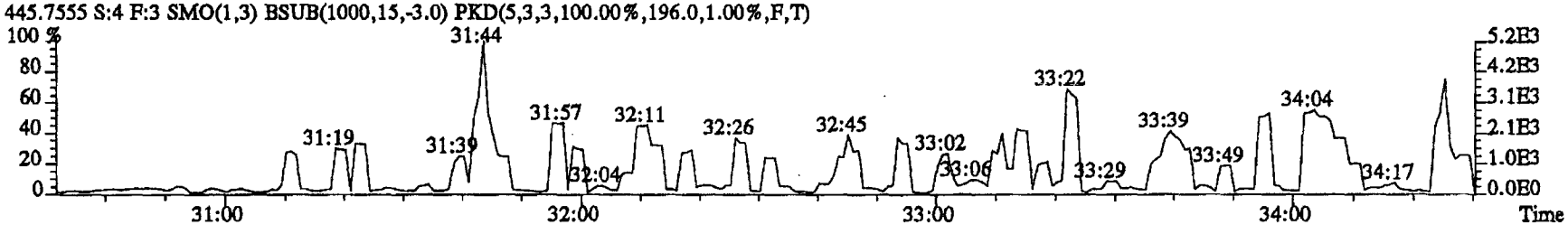
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4472.0,1.00%,F,T)



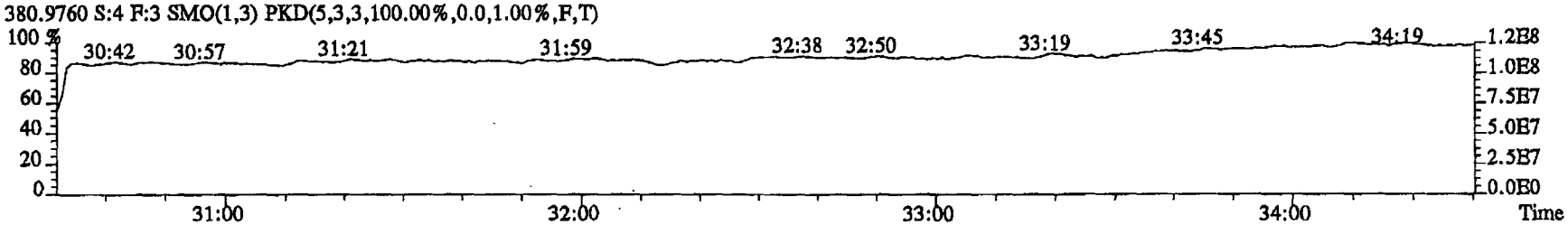
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4232.0,1.00%,F,T)



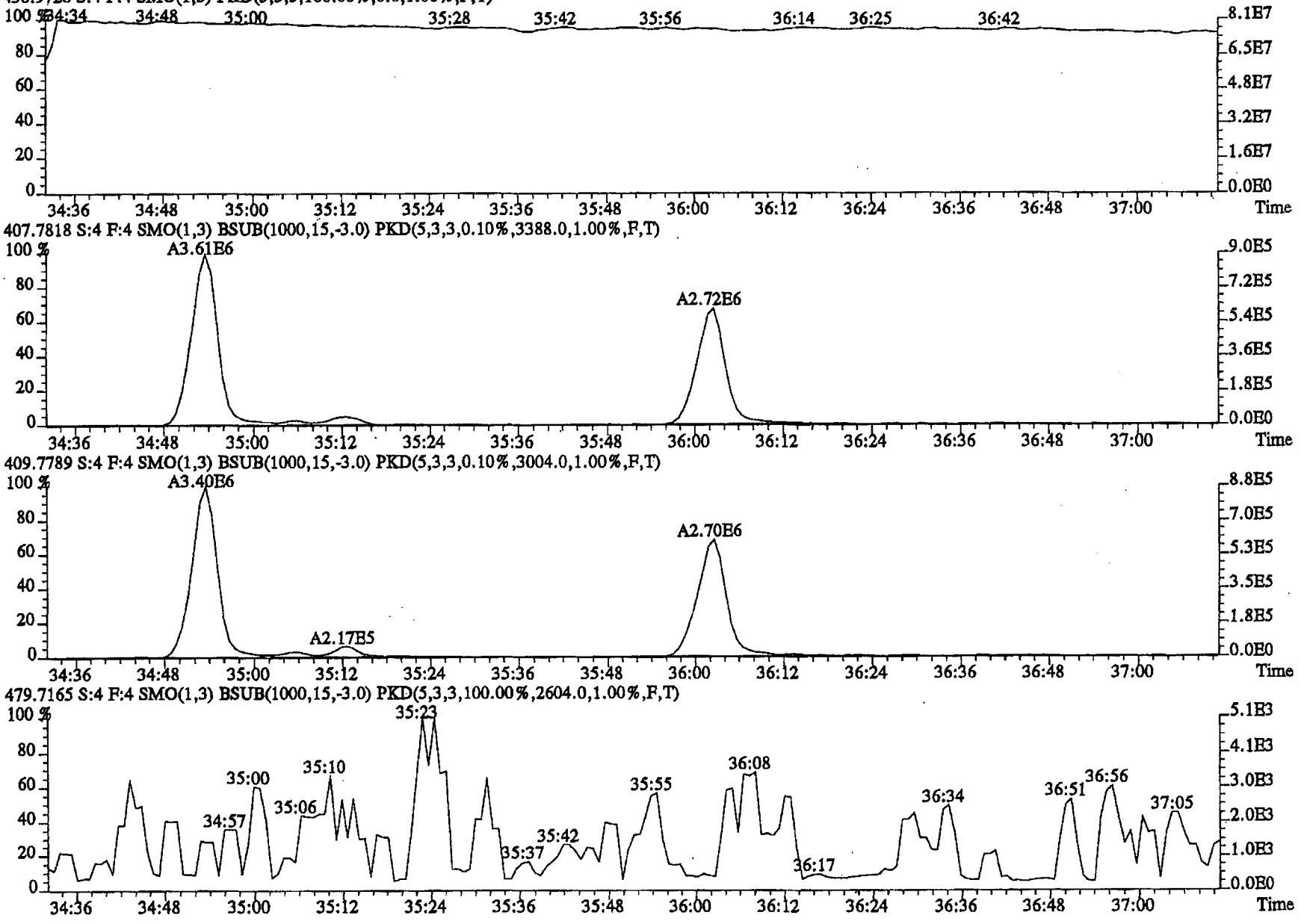
445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,196.0,1.00%,F,T)



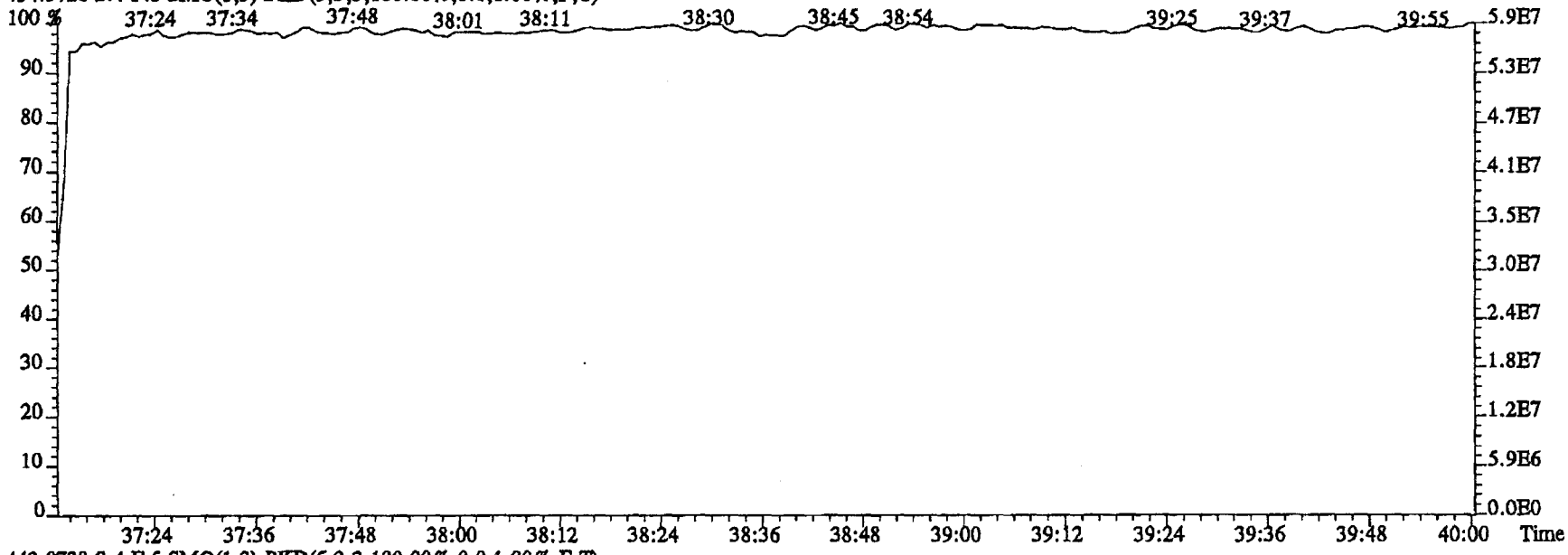
380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



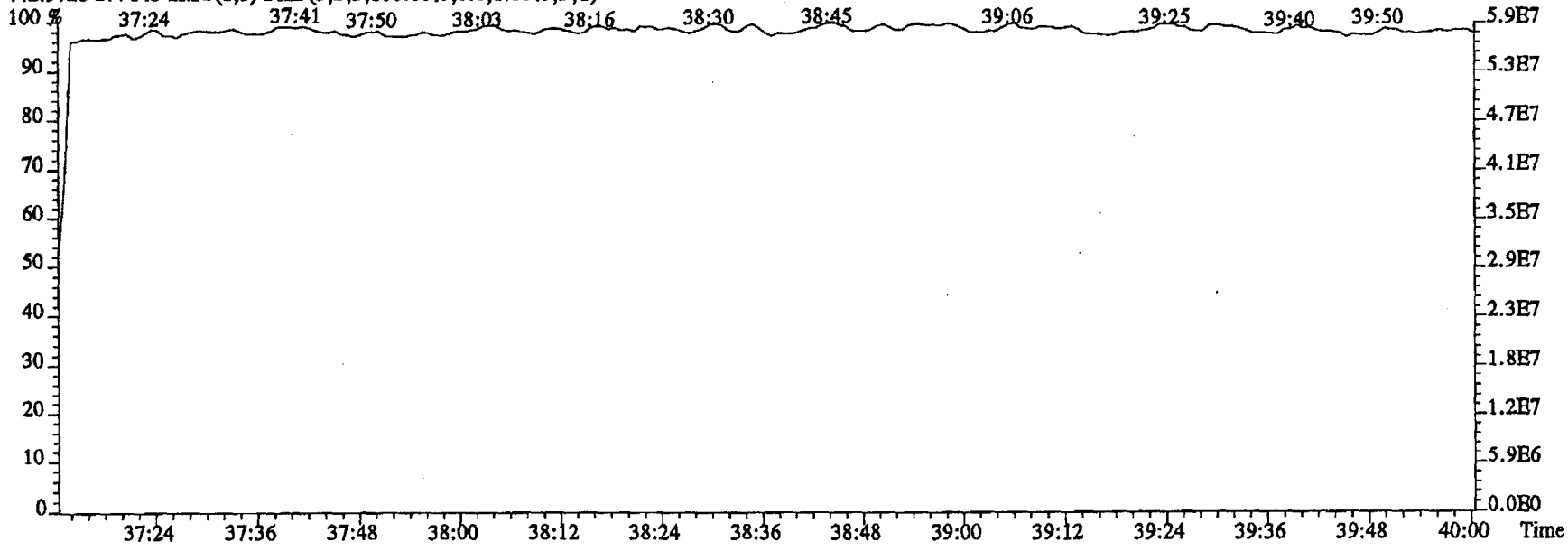
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



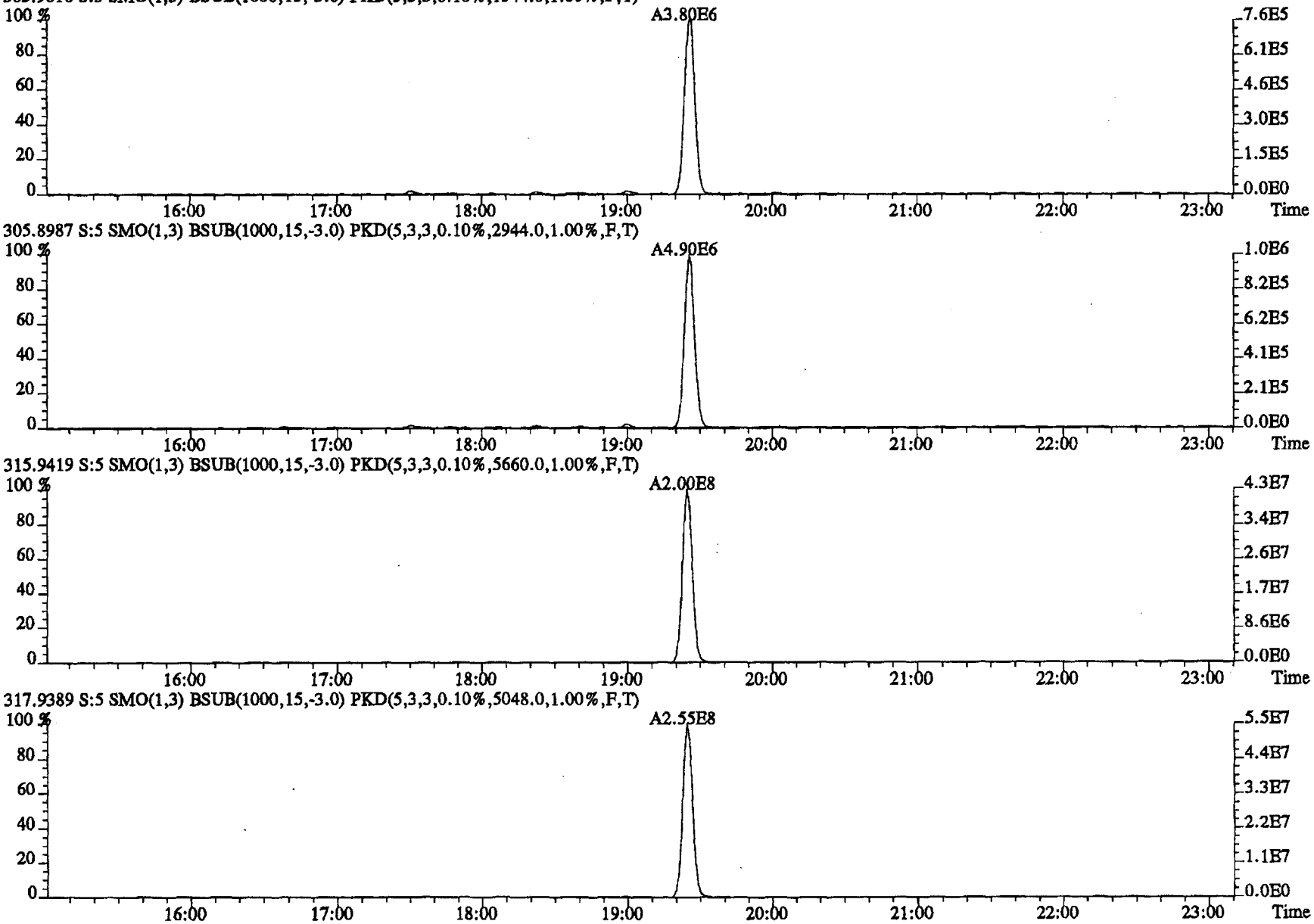
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



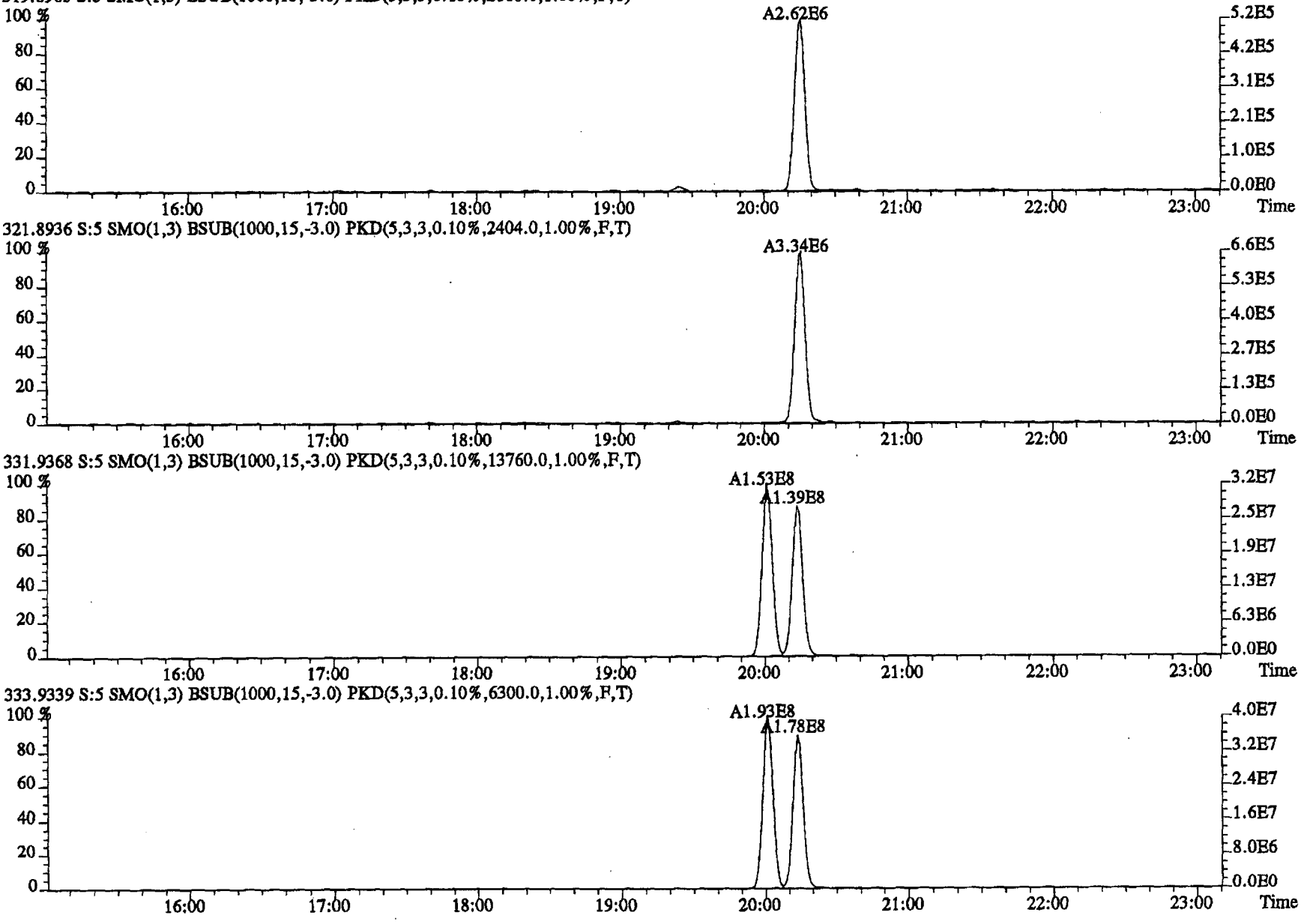
442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



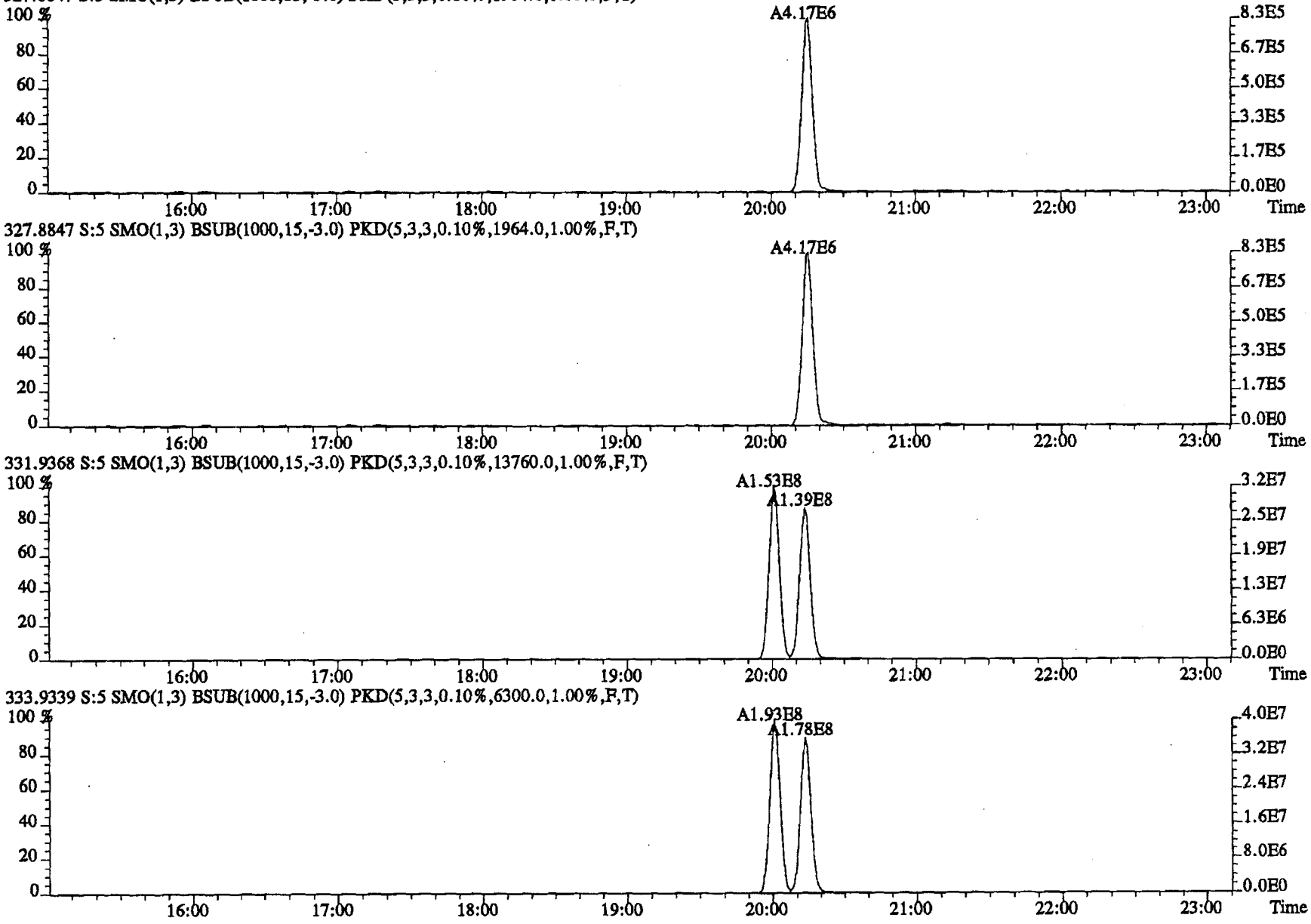
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



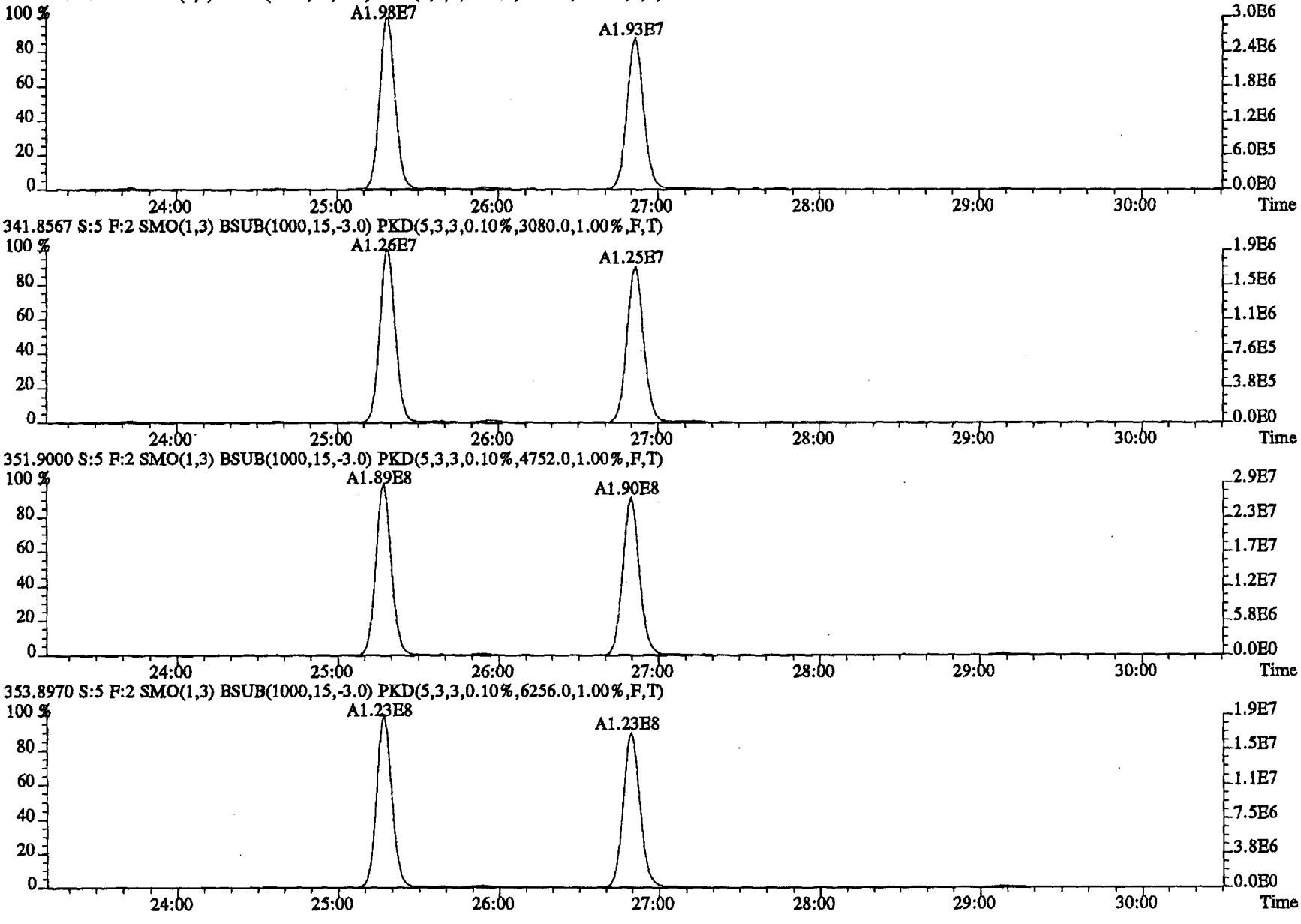
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



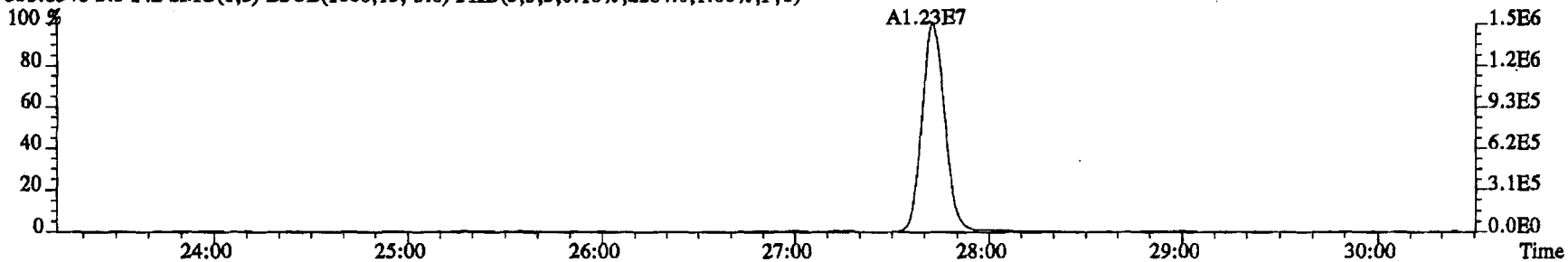
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



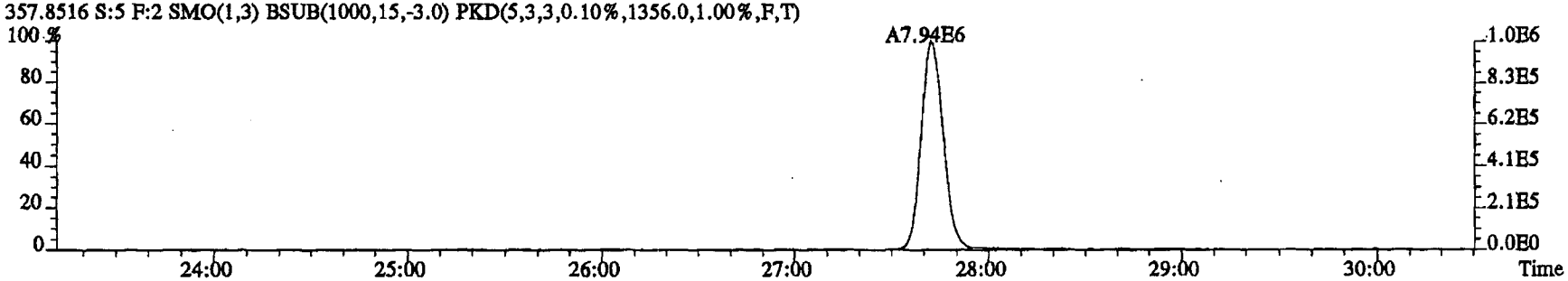
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



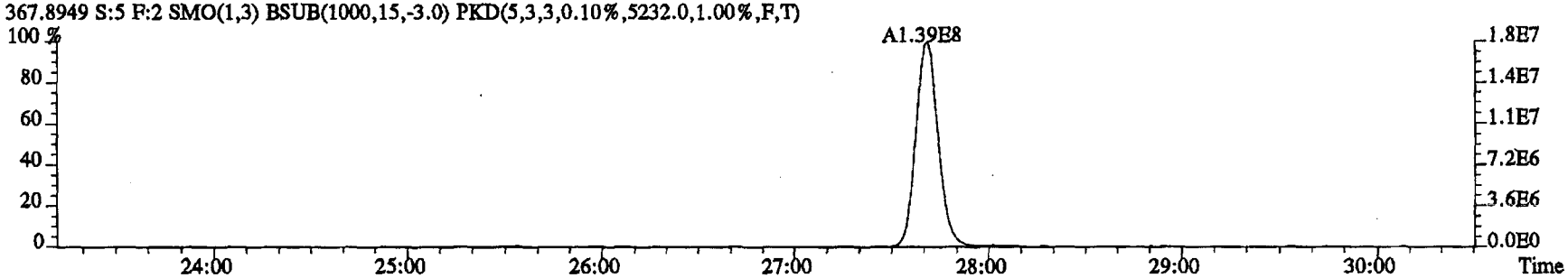
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)



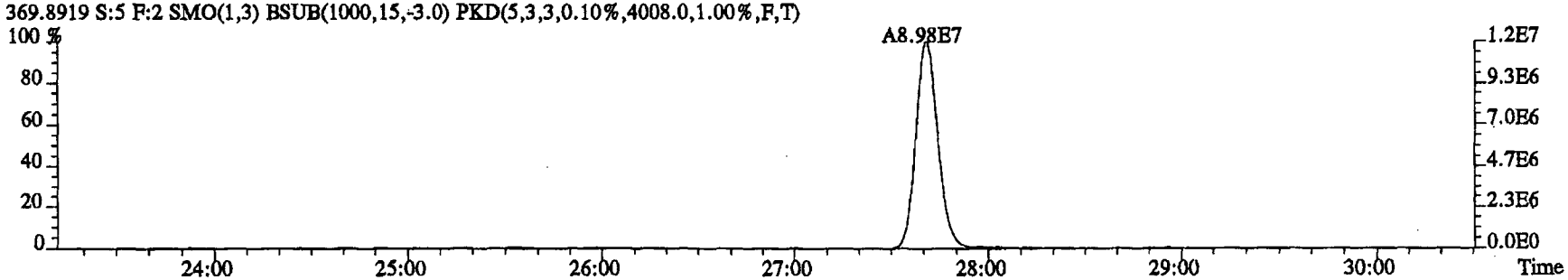
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1356.0,1.00%,F,T)



367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5232.0,1.00%,F,T)

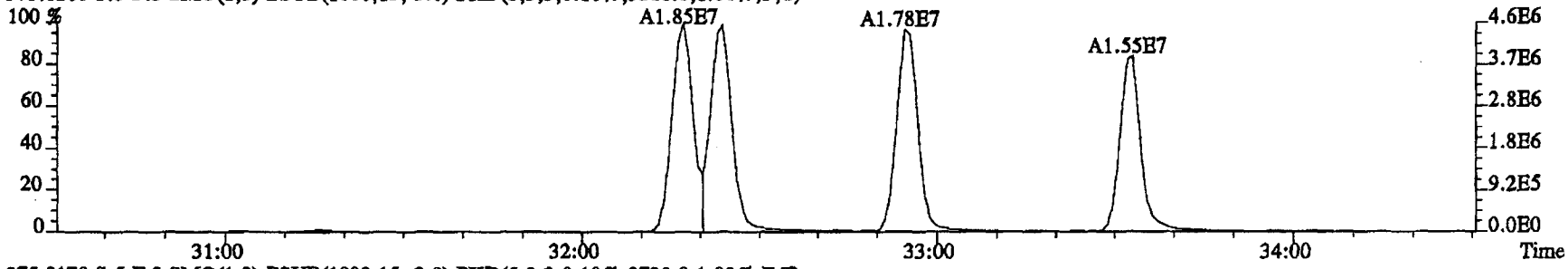


369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4008.0,1.00%,F,T)

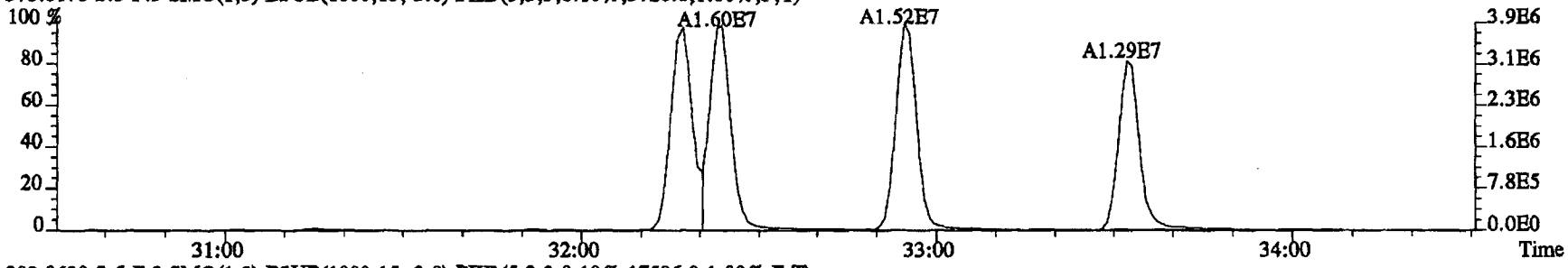


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

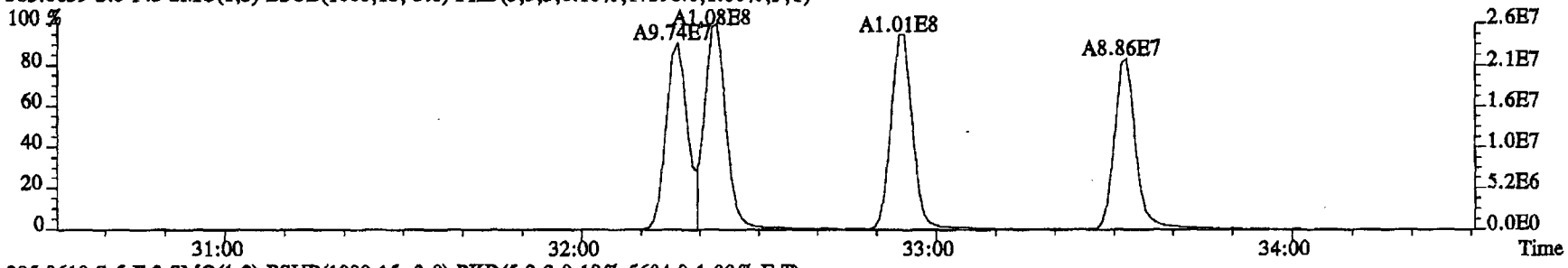
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3516.0,1.00%,F,T)



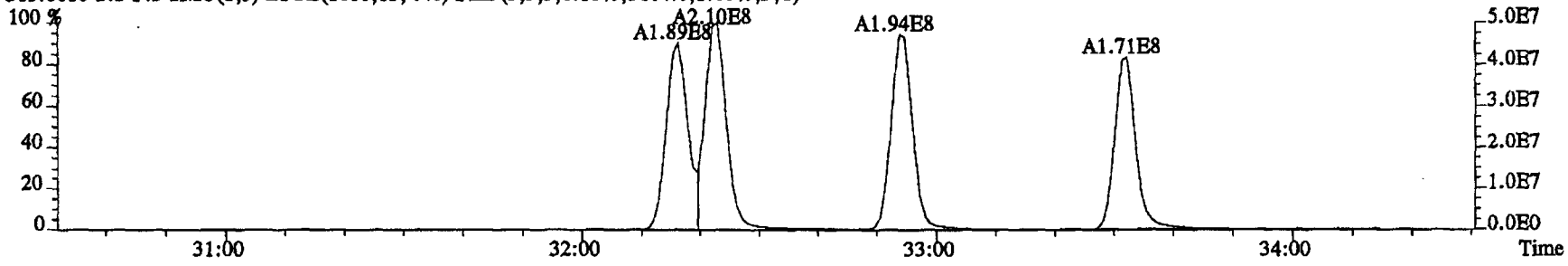
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3728.0,1.00%,F,T)



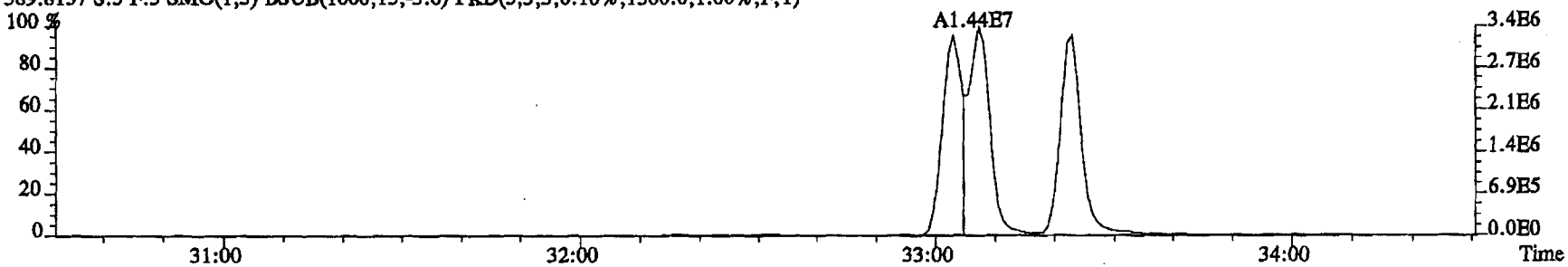
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17596.0,1.00%,F,T)

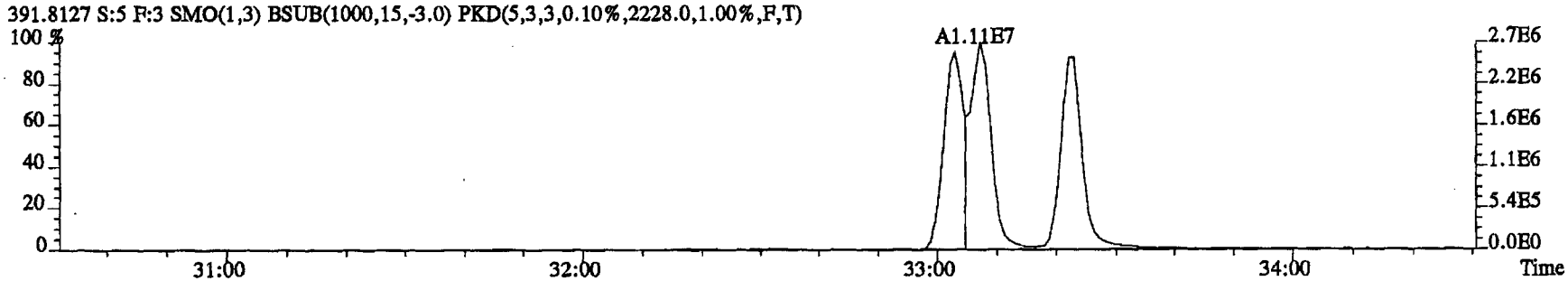


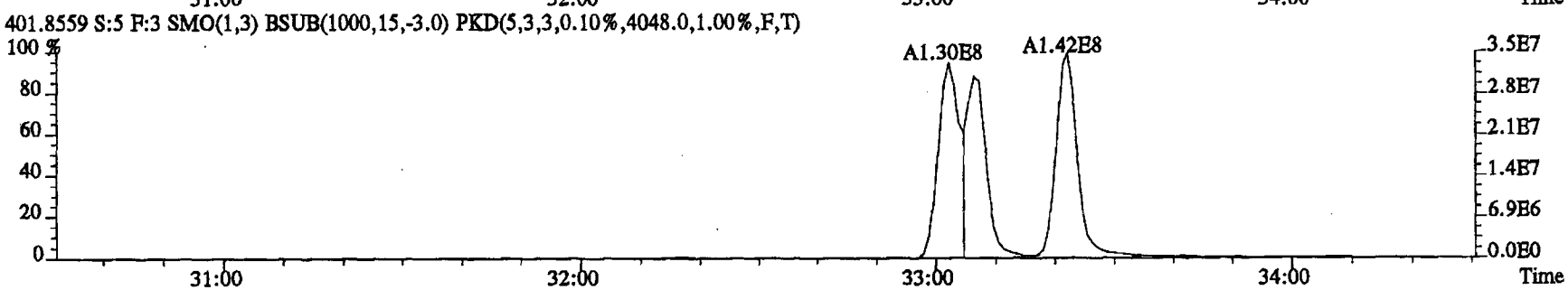
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5684.0,1.00%,F,T)

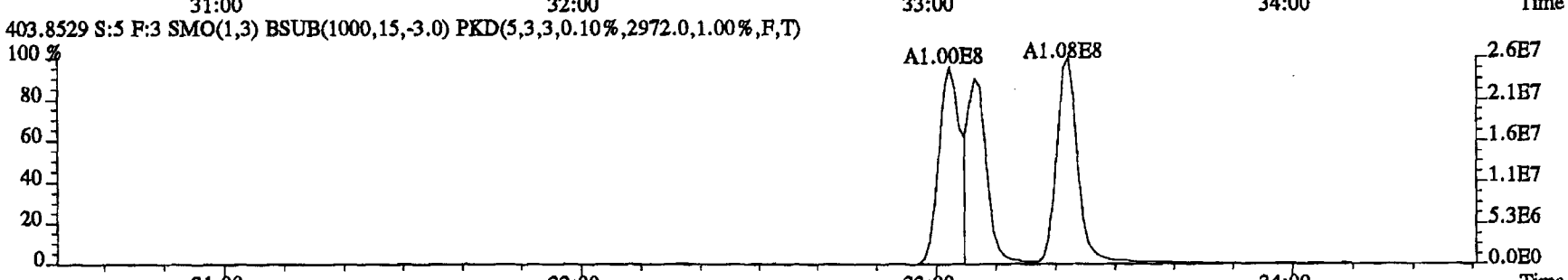


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

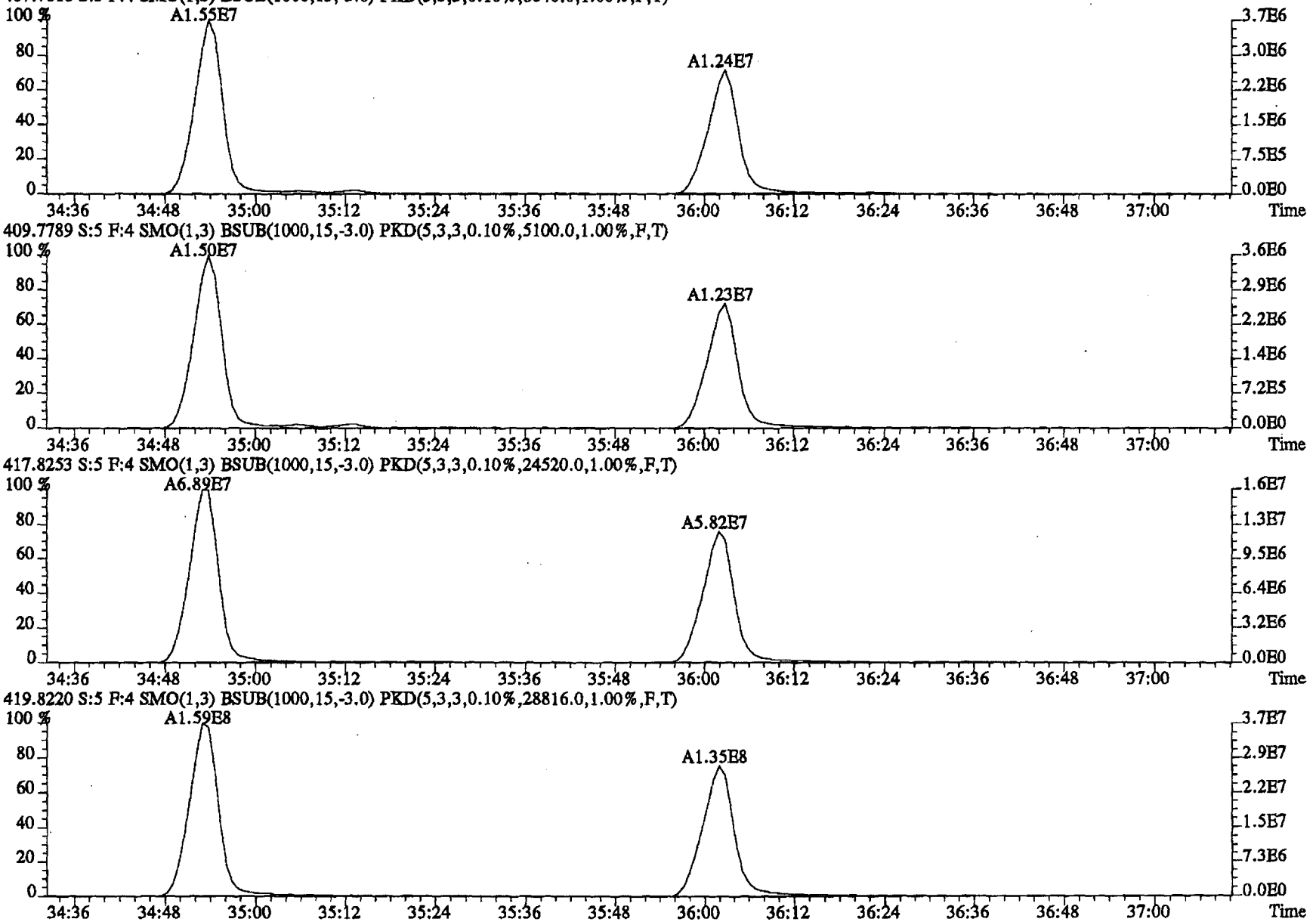






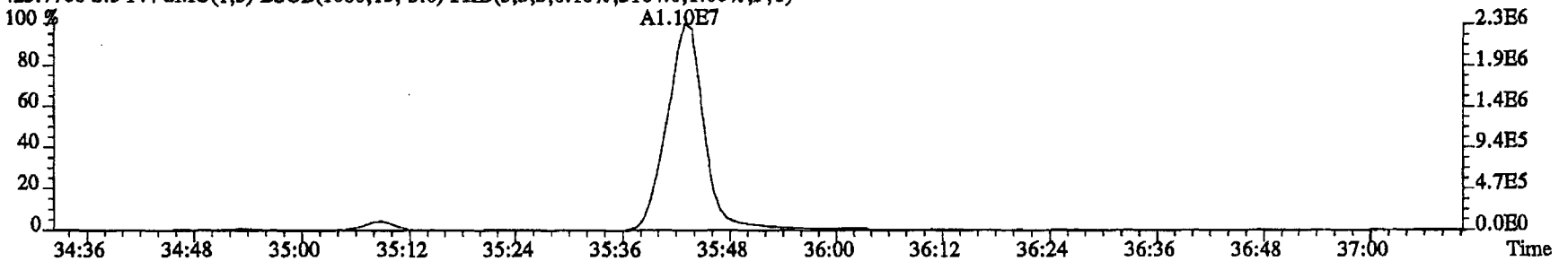


File:21JL10A4D5 #1-200 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

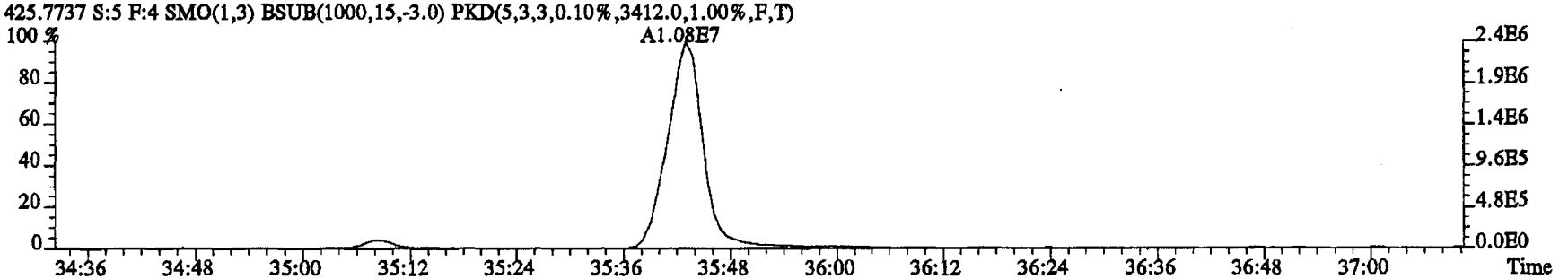


File:21JL10A4D5 #1-200 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

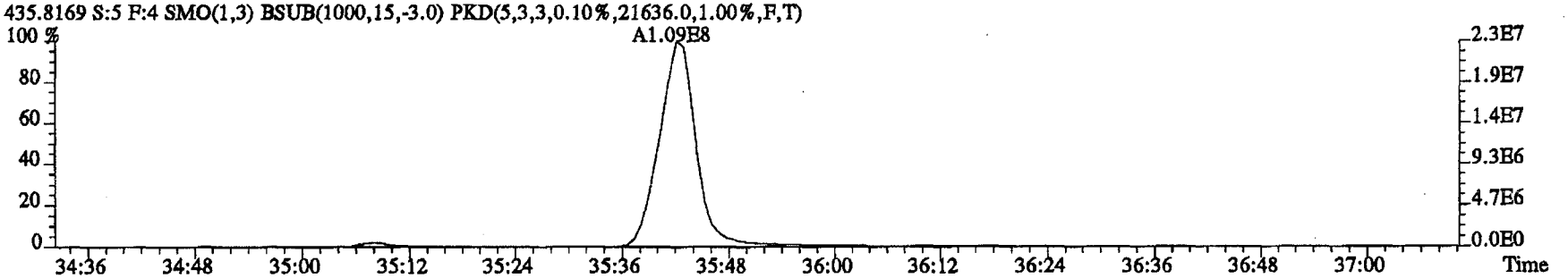
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3164.0,1.00%,F,T)



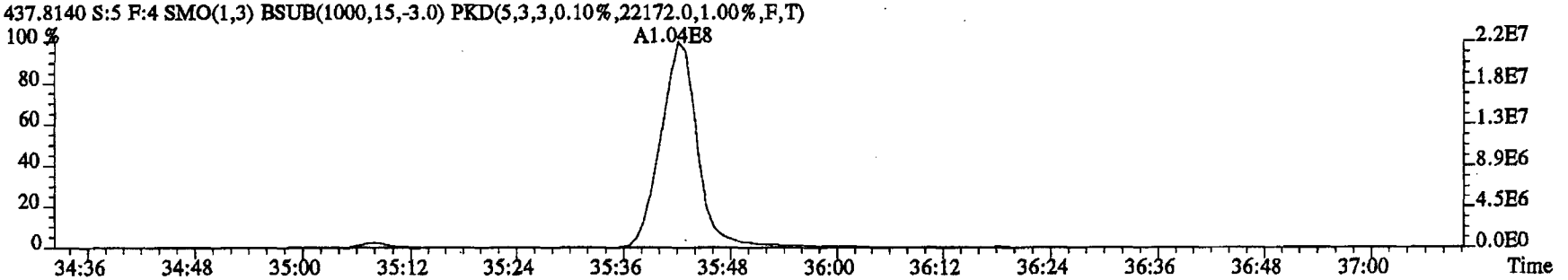
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3412.0,1.00%,F,T)



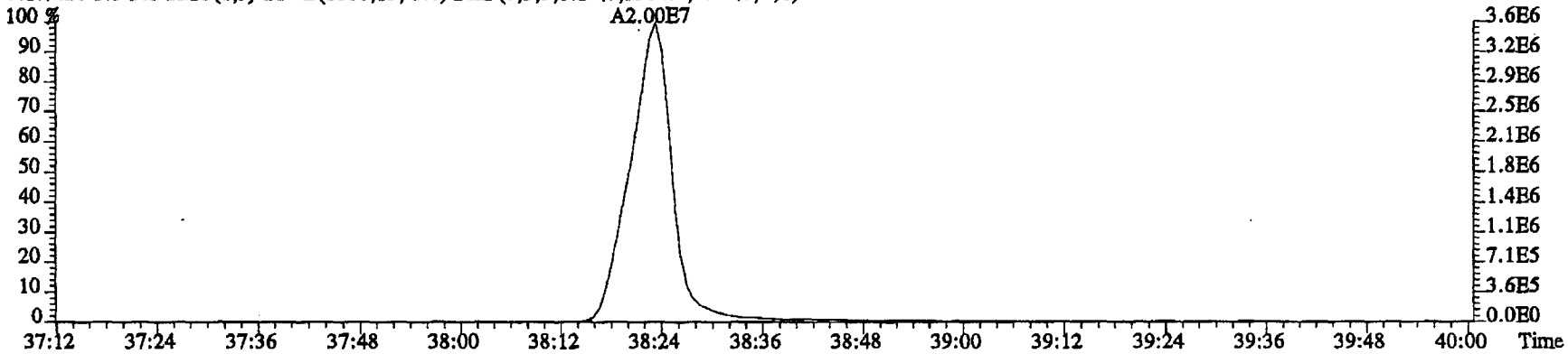
435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21636.0,1.00%,F,T)



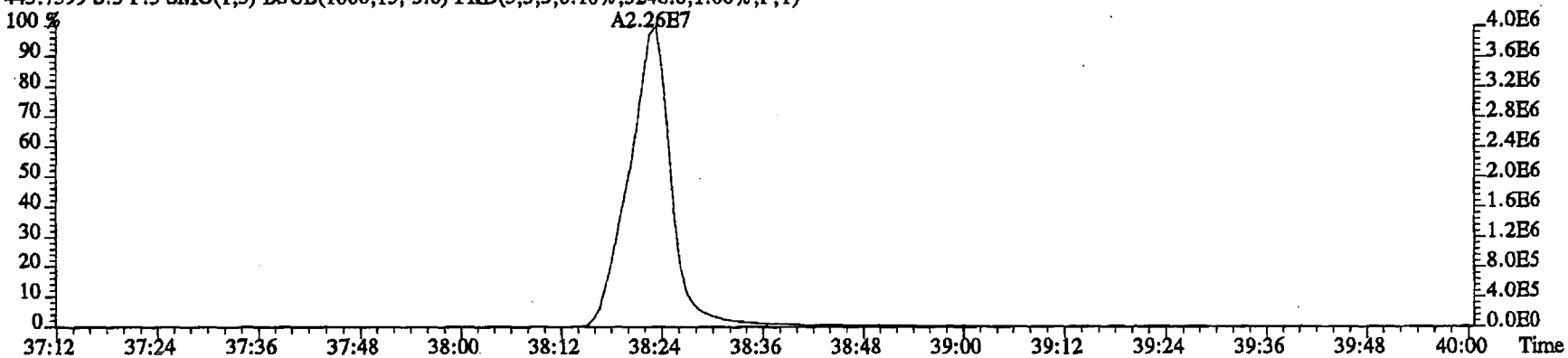
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22172.0,1.00%,F,T)



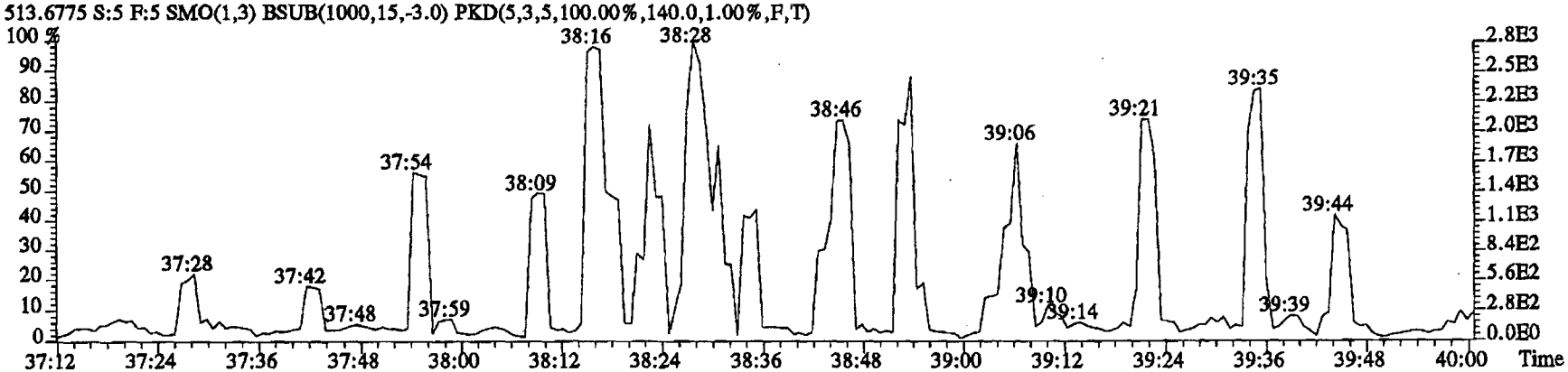
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2904.0,1.00%,F,T)



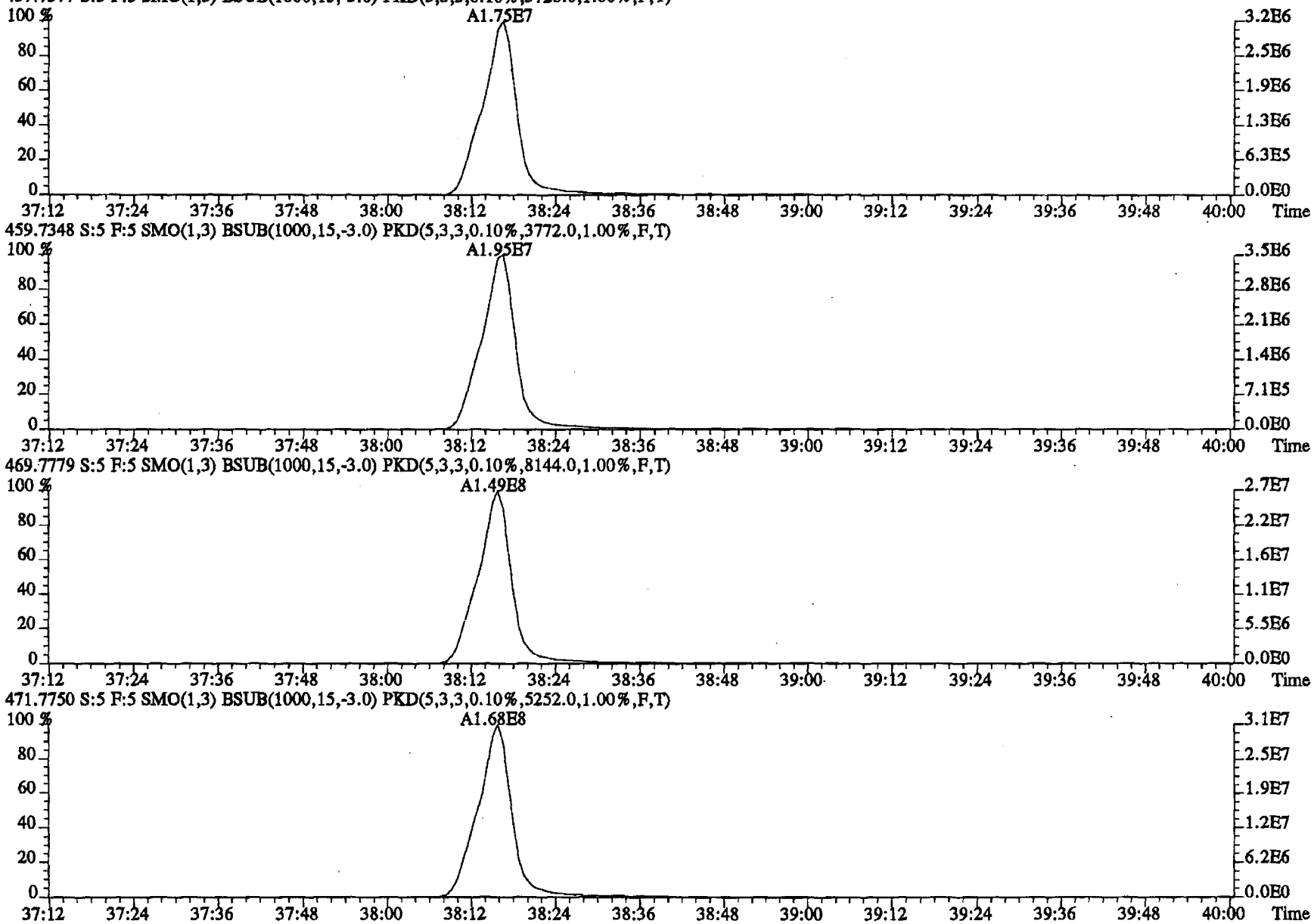
443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



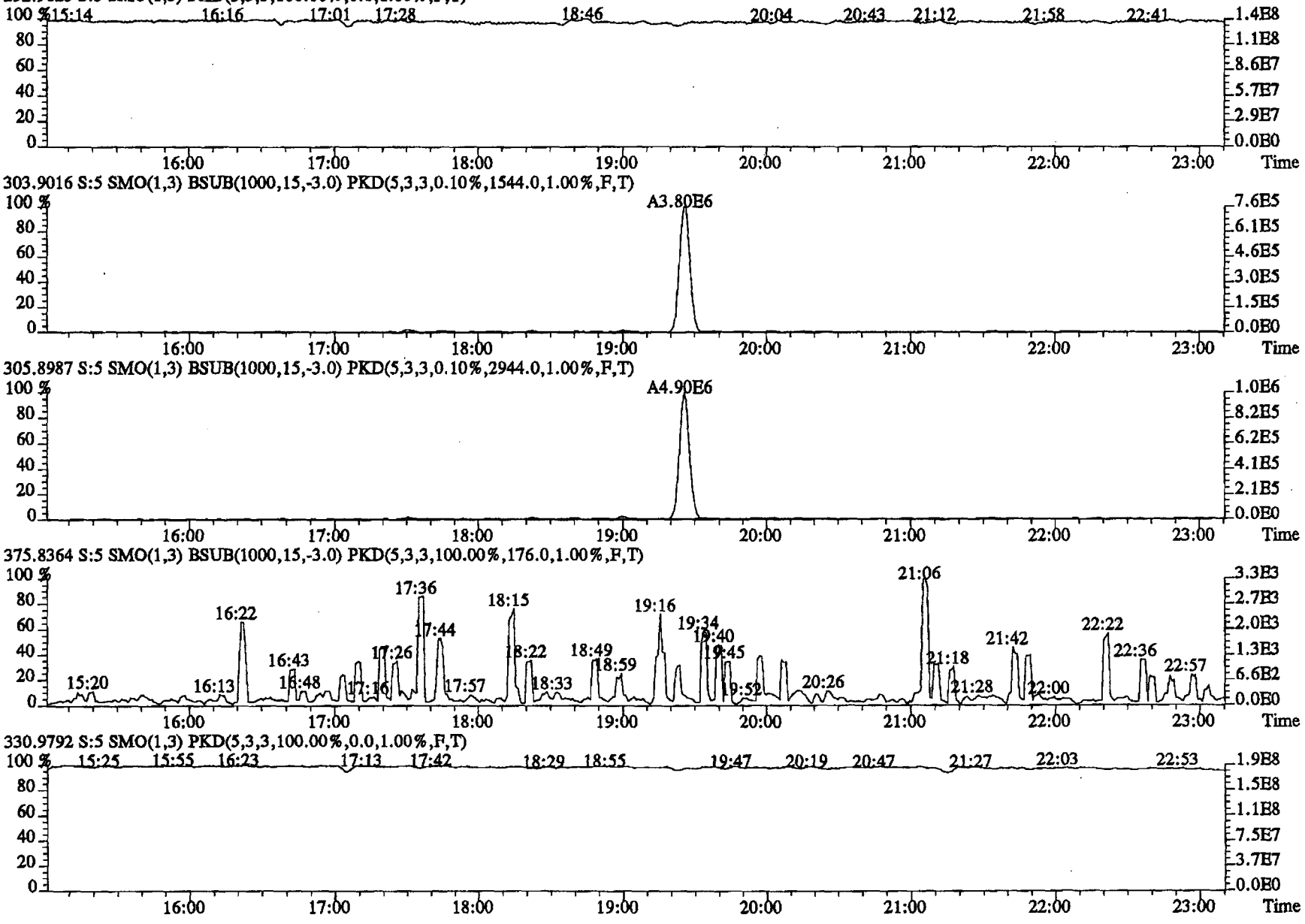
513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,140.0,1.00%,F,T)



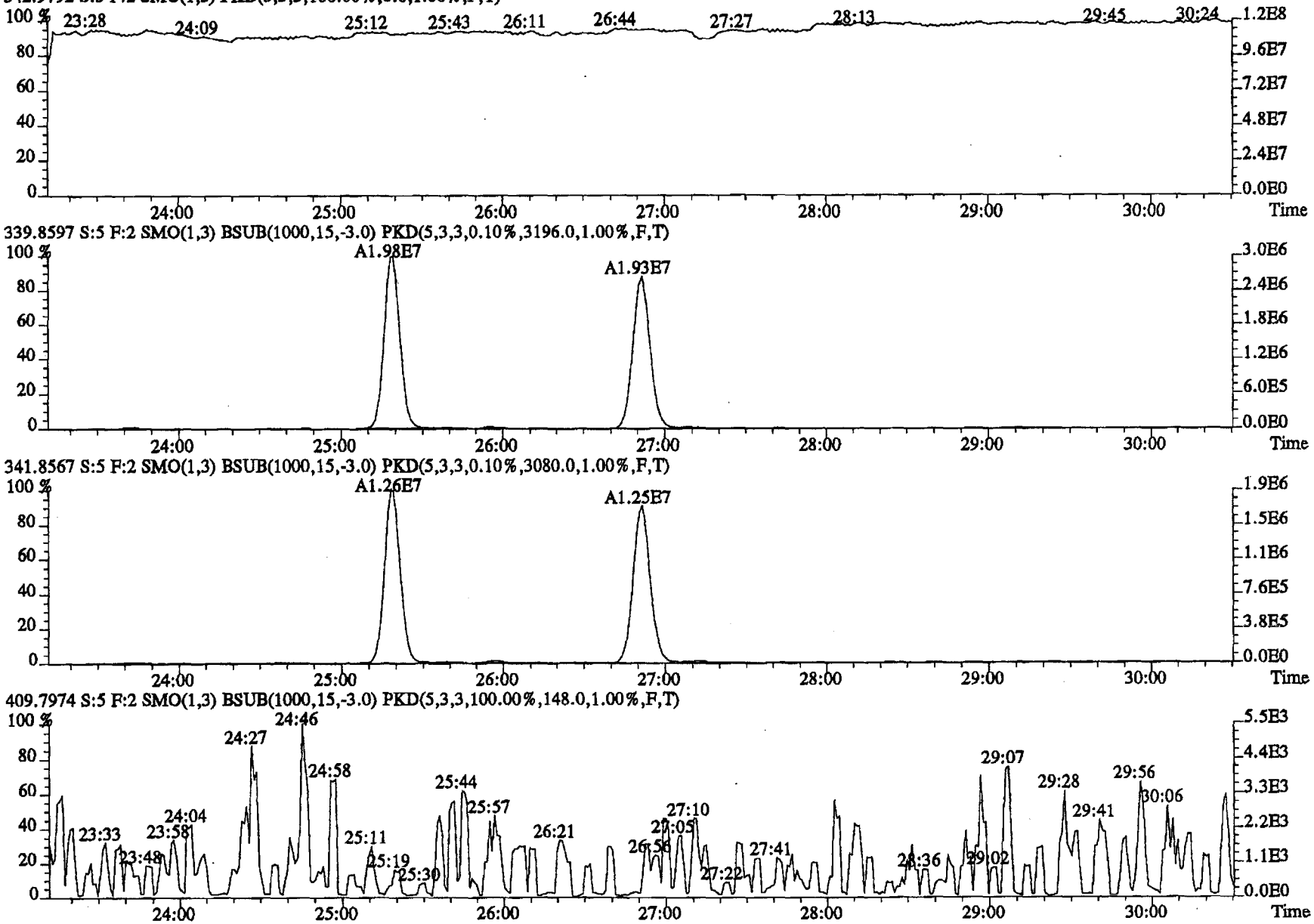
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



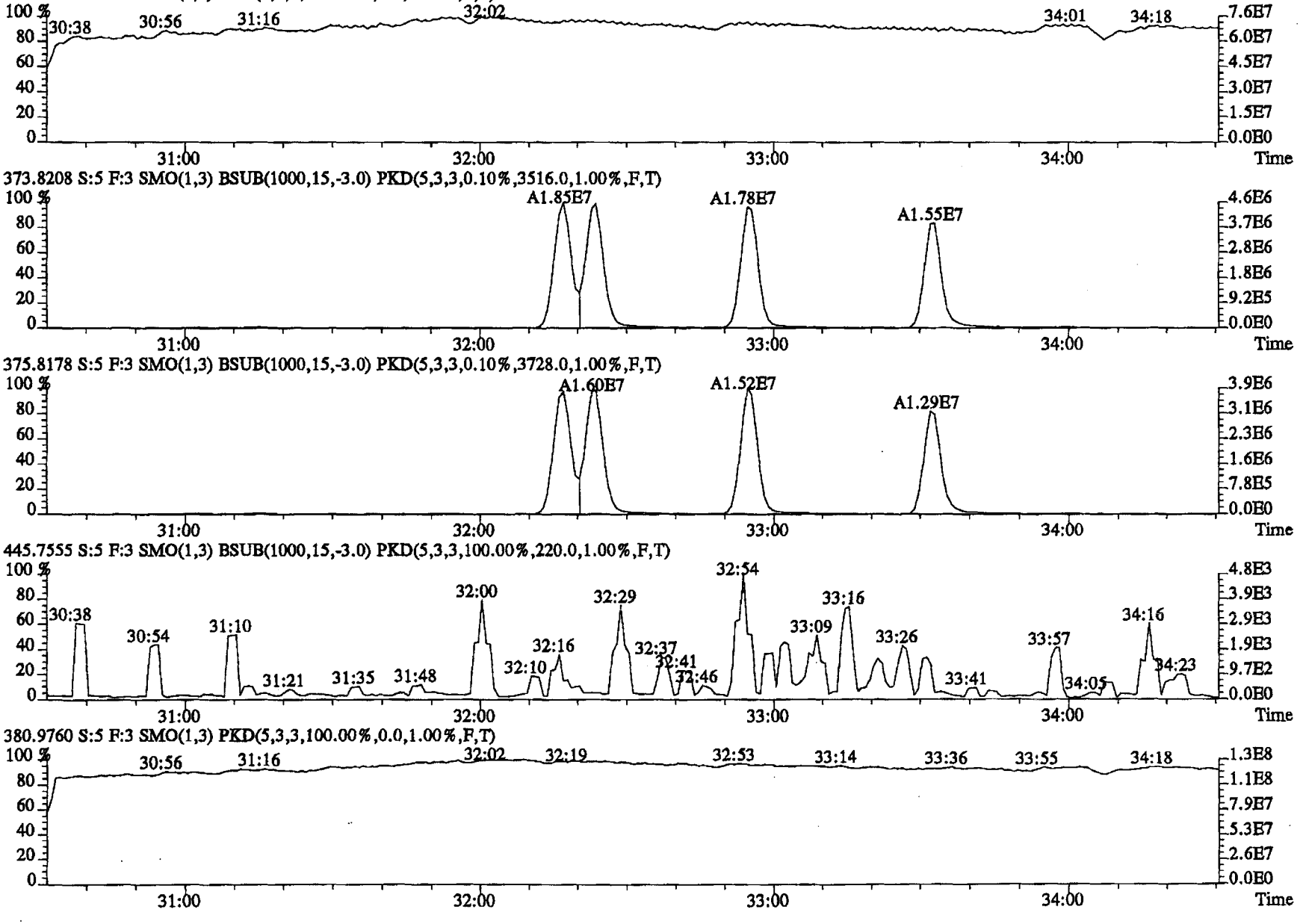
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

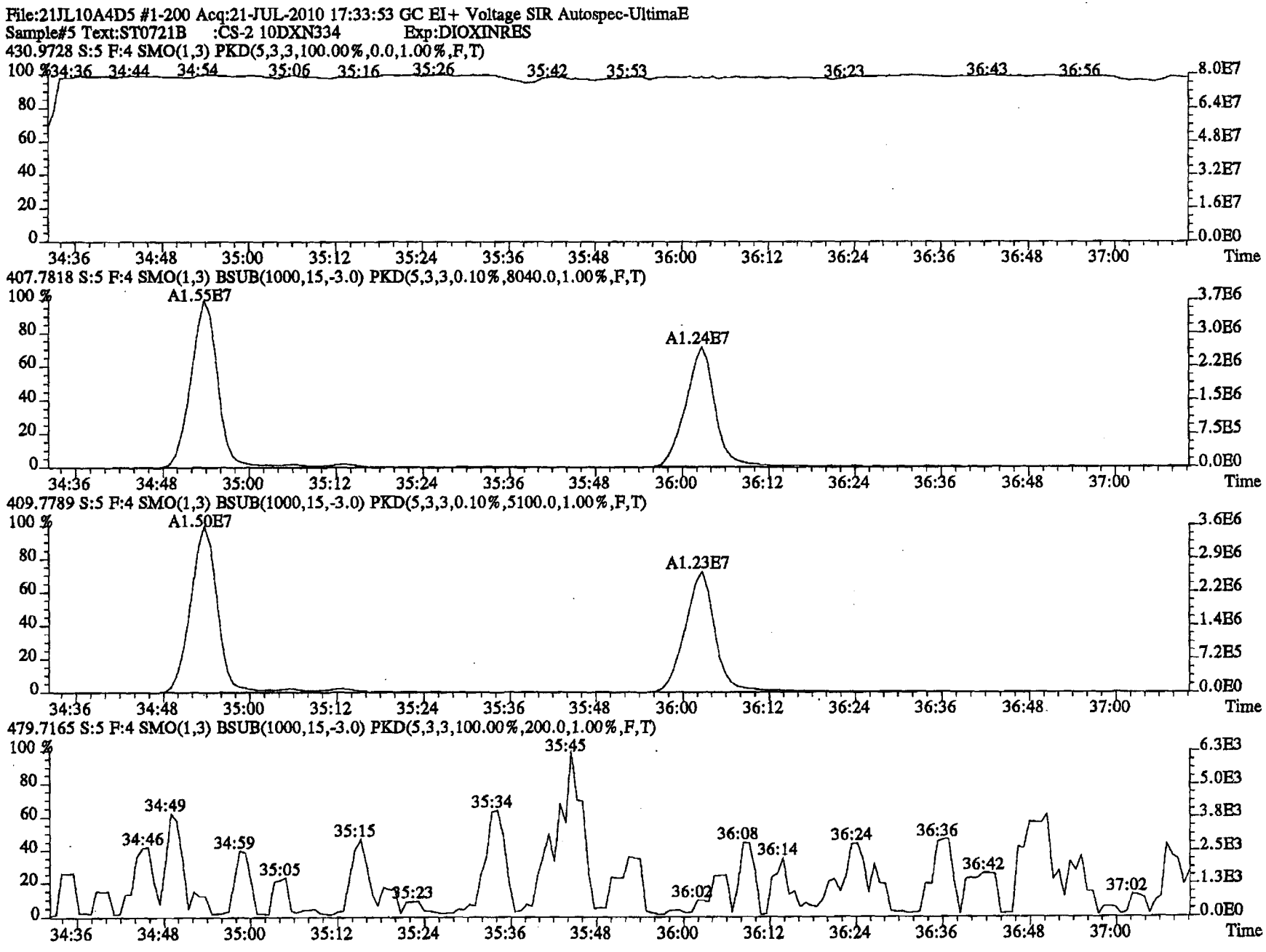


File:21JL10A4D5 #1-470 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

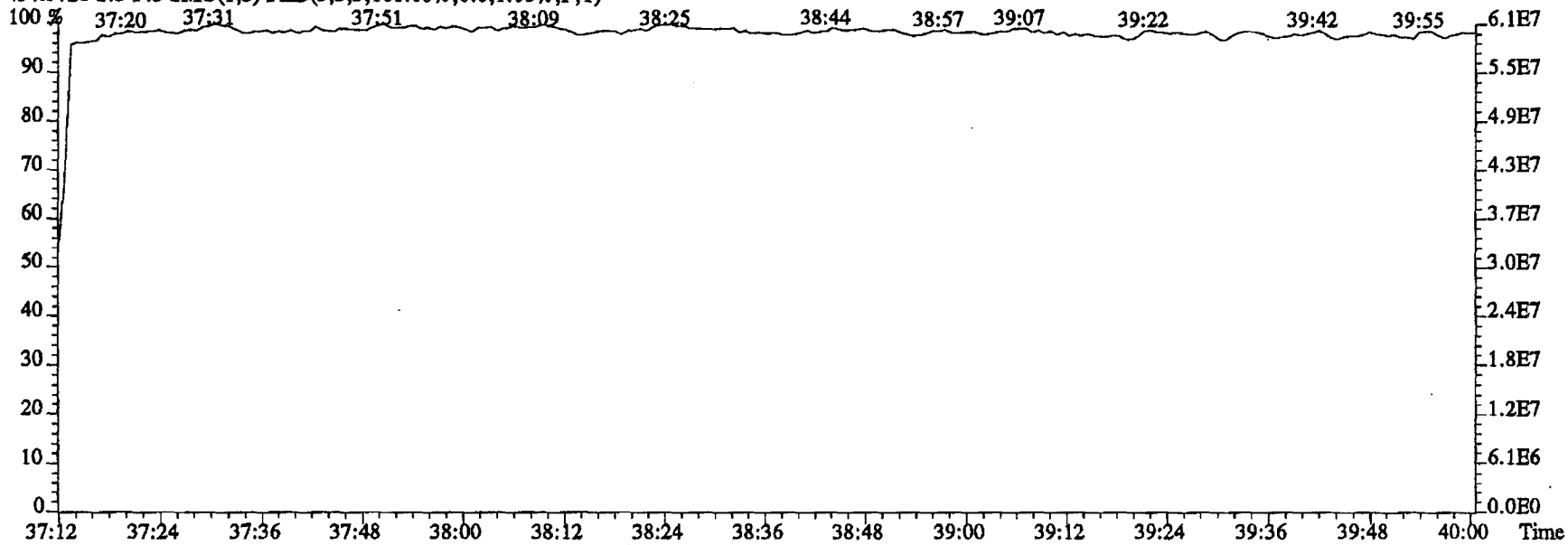


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

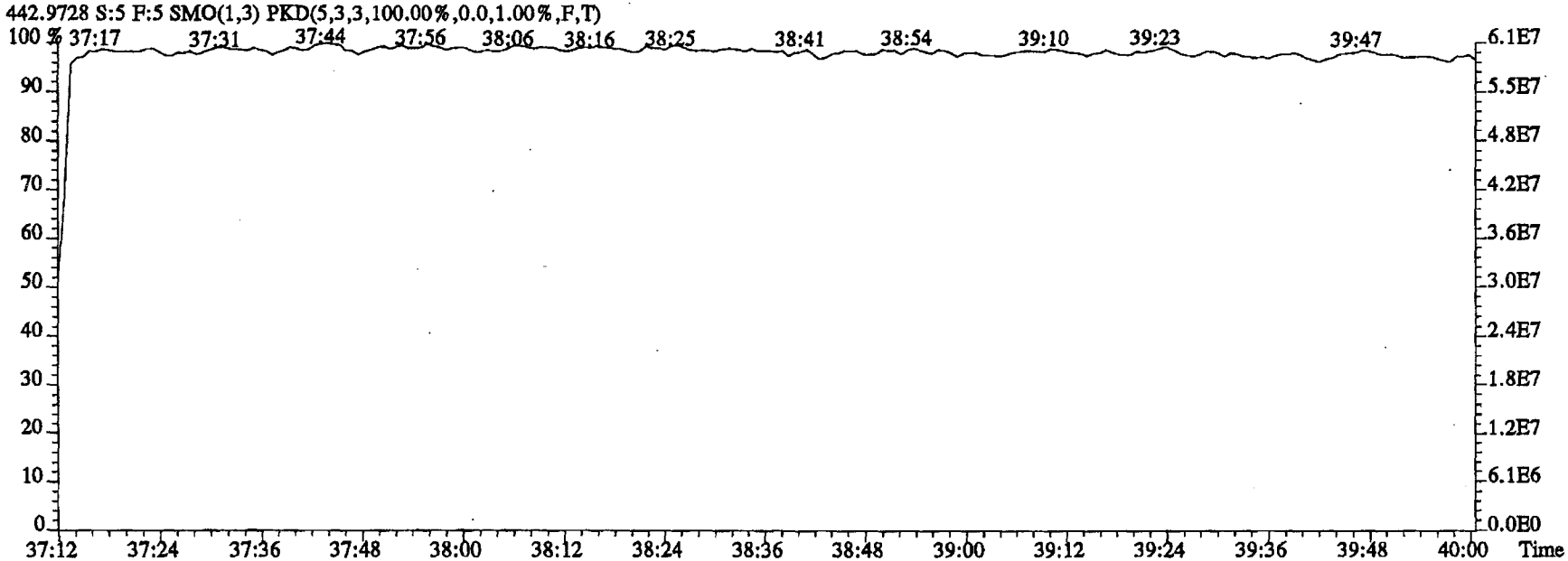



File:21JL10A4D5 #1-200 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8040.0,1.00%,F,T)
A1.55E7
A1.24E7
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5100.0,1.00%,F,T)
A1.50E7
A1.23E7
479.7165 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,200.0,1.00%,F,T)
Time

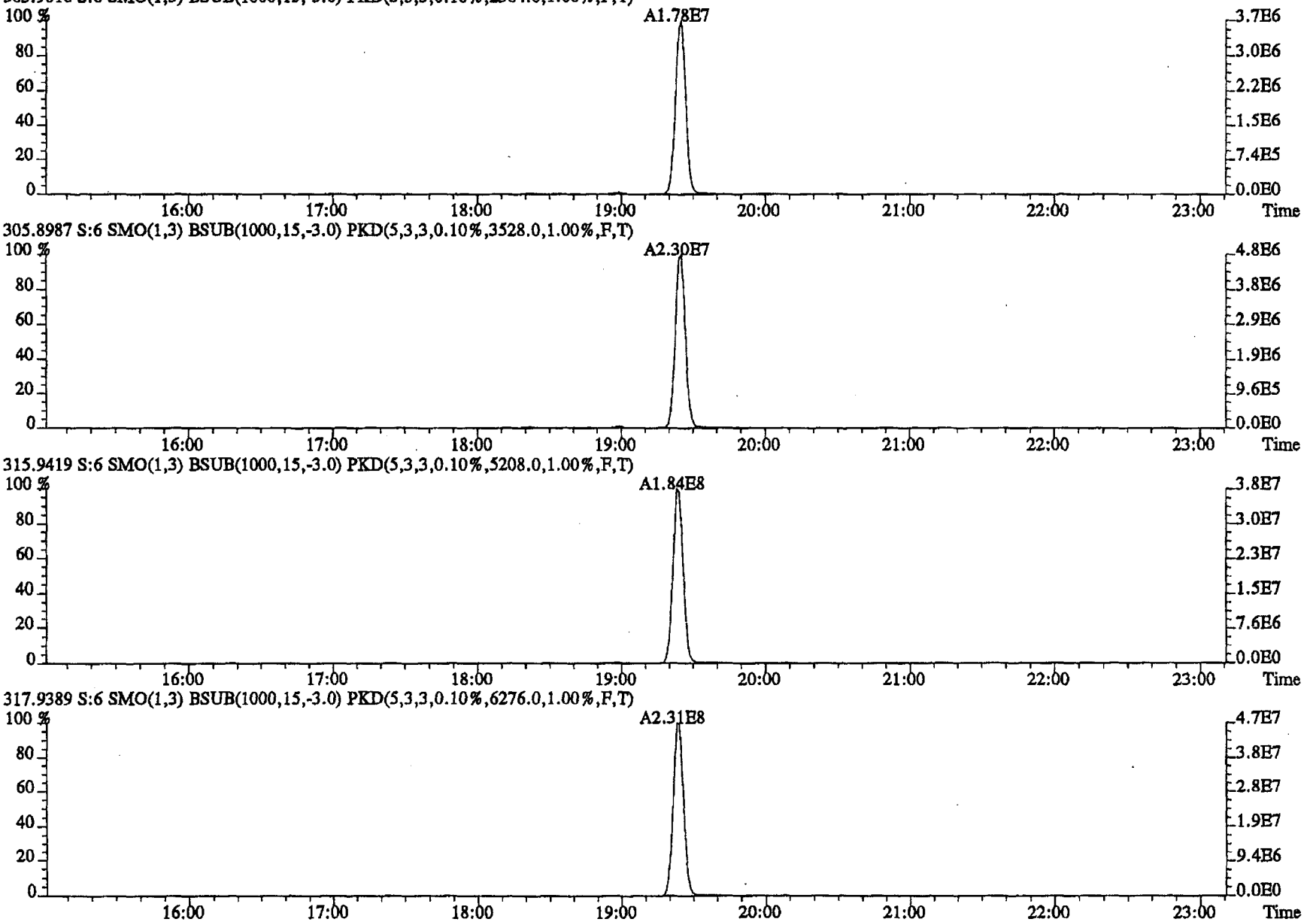
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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

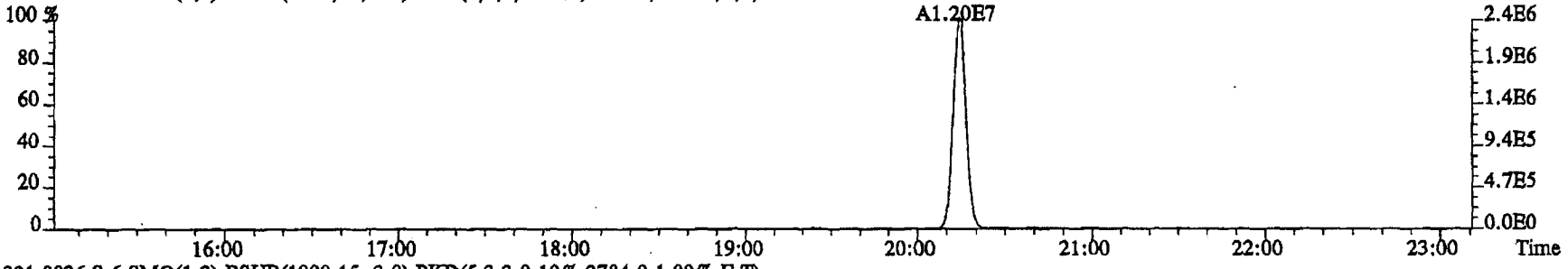


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

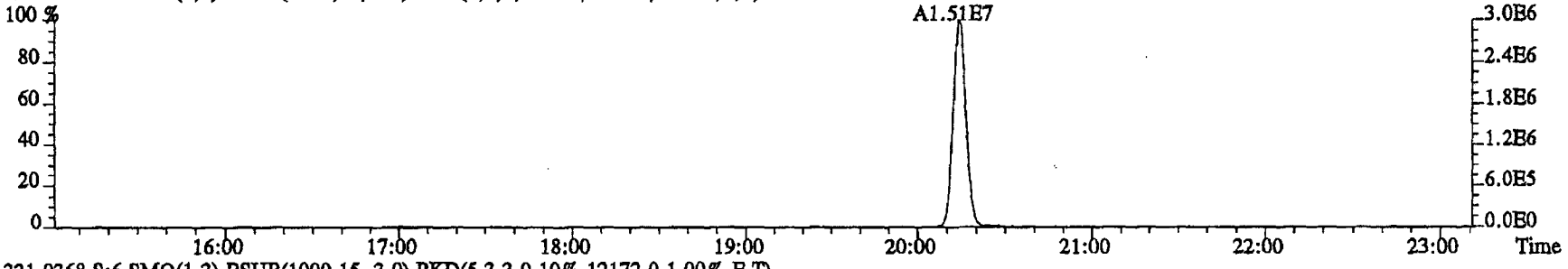


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

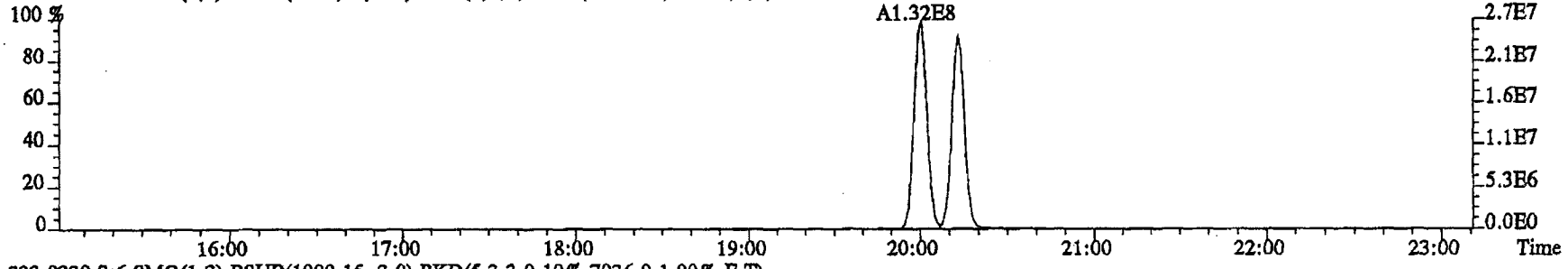
319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2340.0,1.00%,F,T)



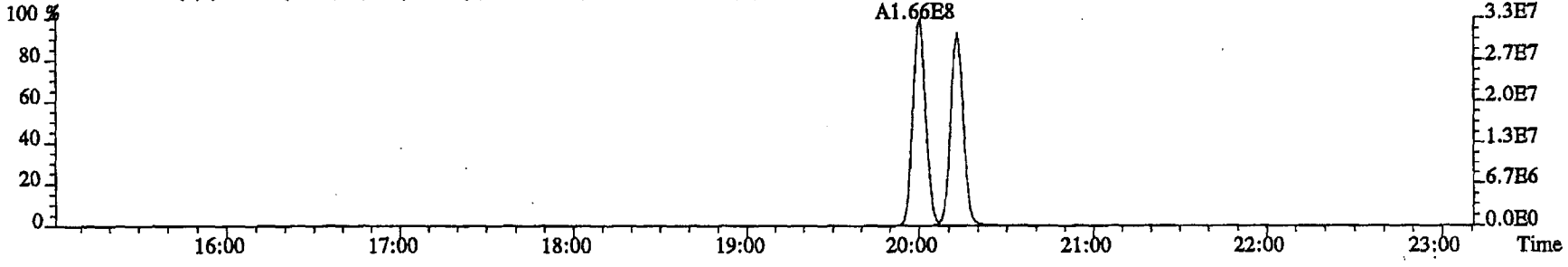
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2784.0,1.00%,F,T)



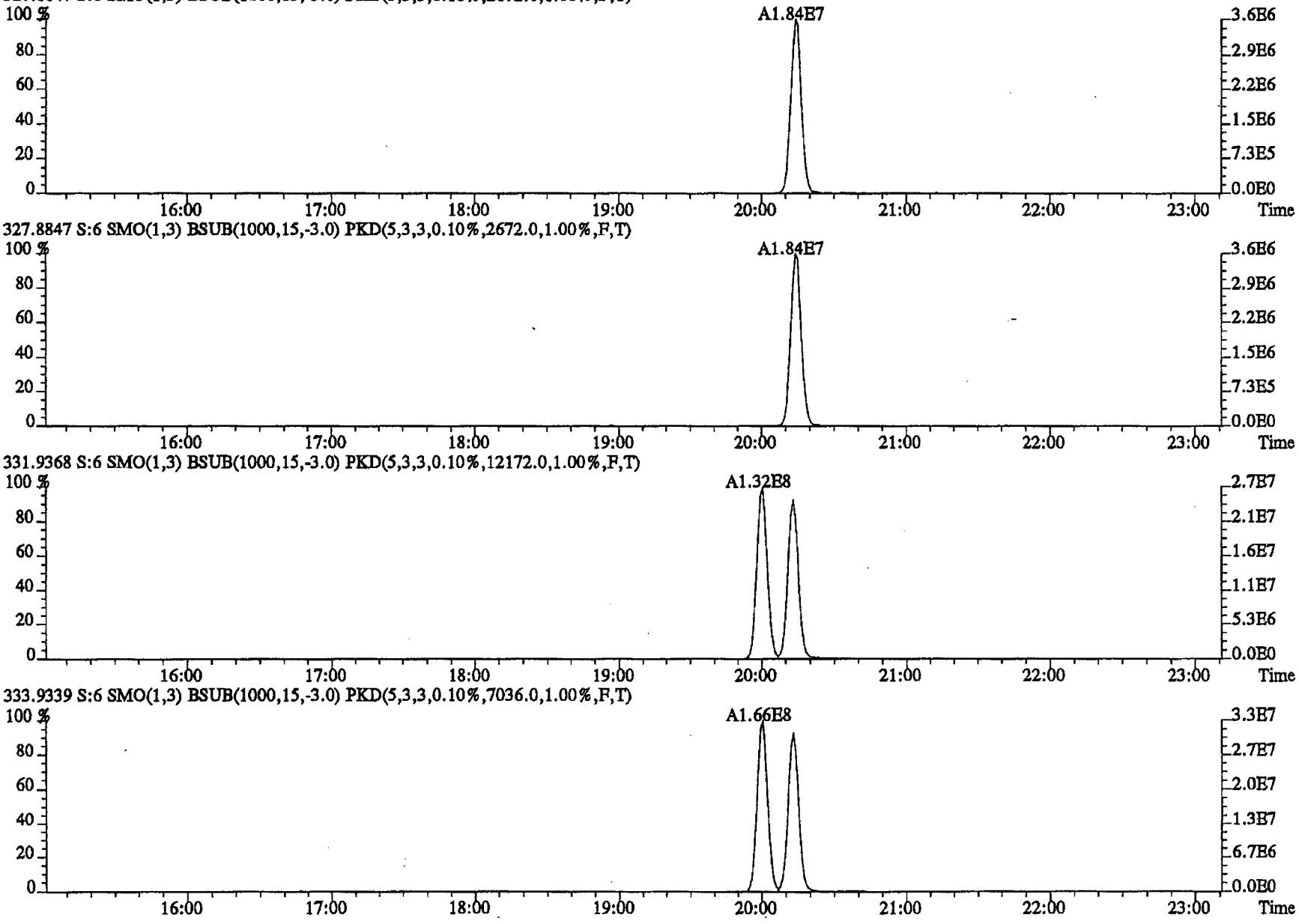
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12172.0,1.00%,F,T)



333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7036.0,1.00%,F,T)

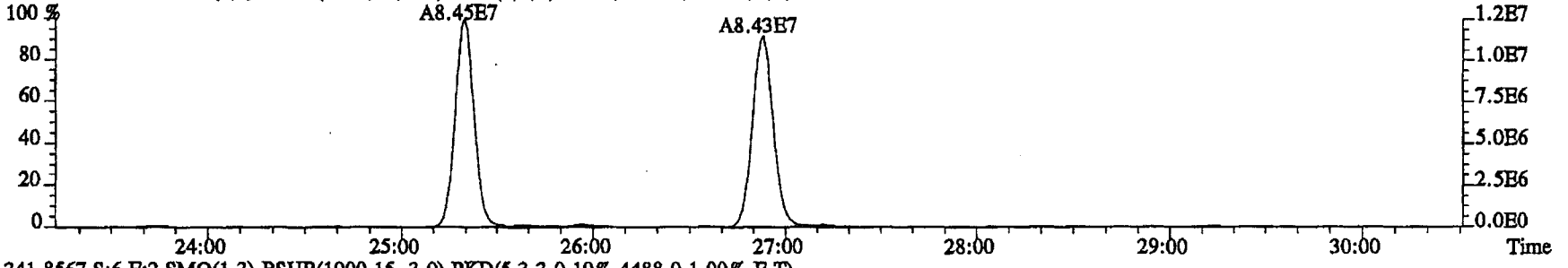


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

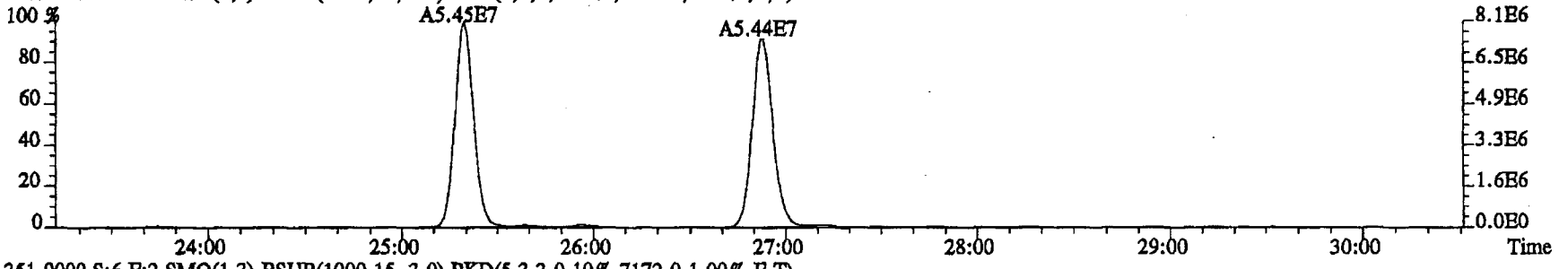


File:21JL10A4D5 #1-470 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

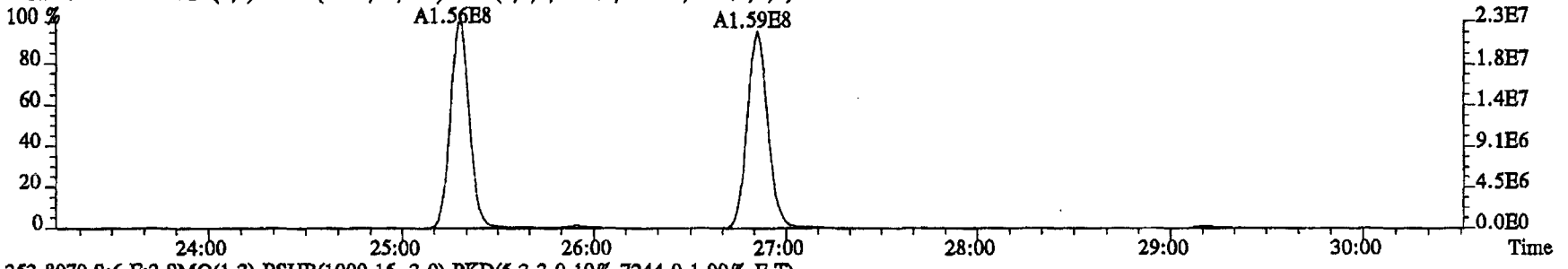
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5136.0,1.00%,F,T)



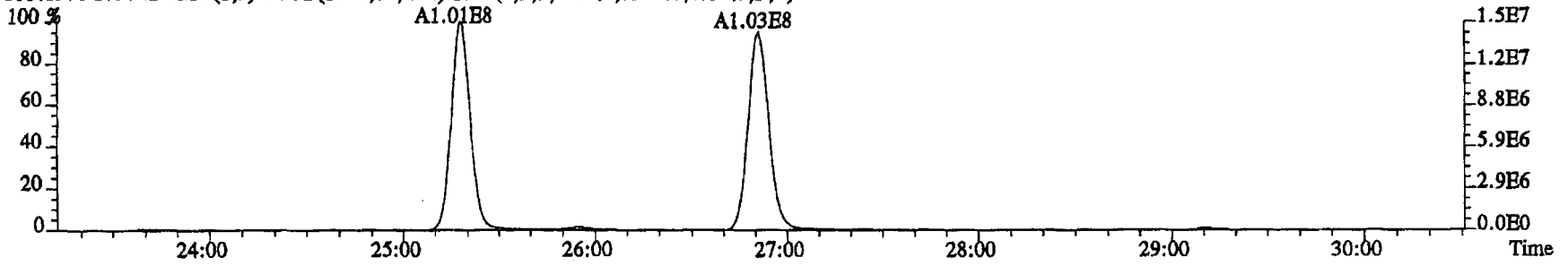
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4488.0,1.00%,F,T)



351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7172.0,1.00%,F,T)

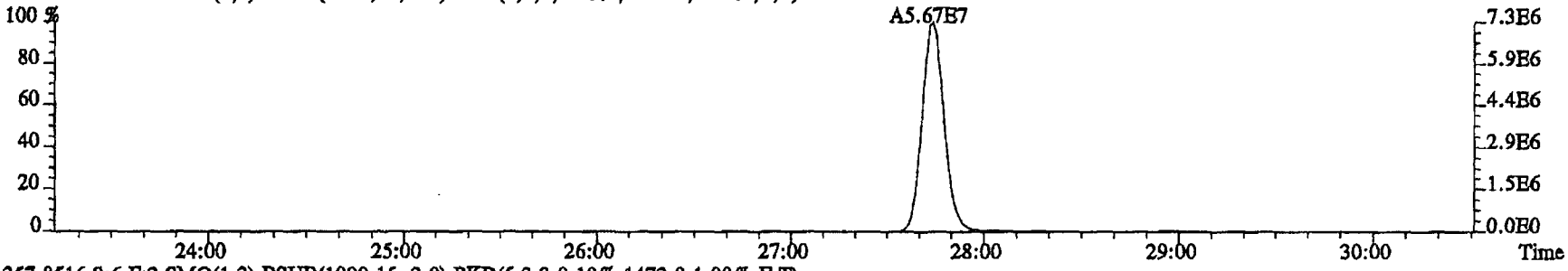


353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7244.0,1.00%,F,T)

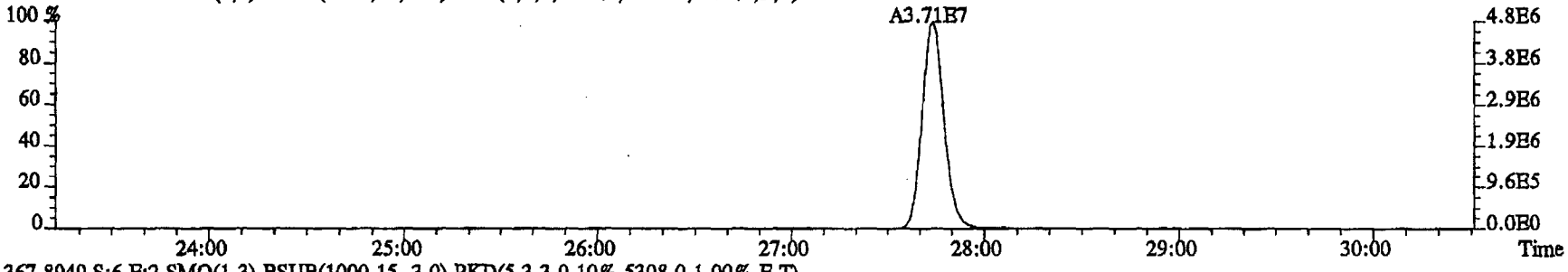


File:21JL10A4D5 #1-470 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

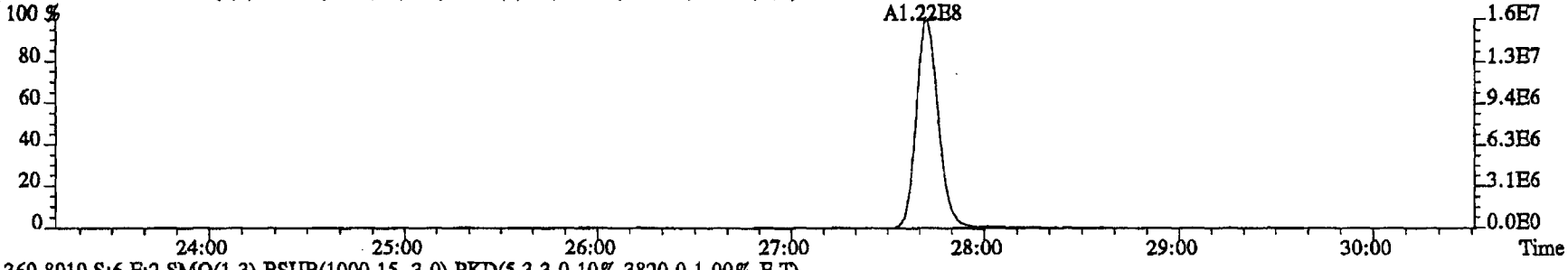
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2856.0,1.00%,F,T)



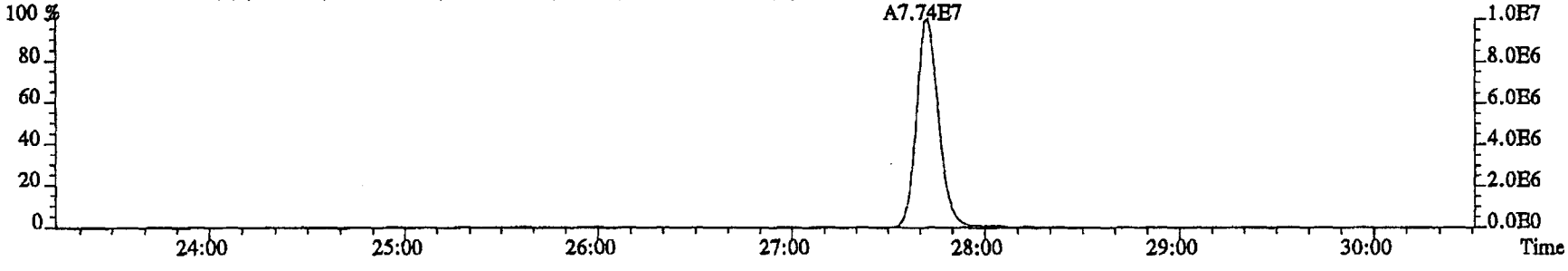
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1472.0,1.00%,F,T)



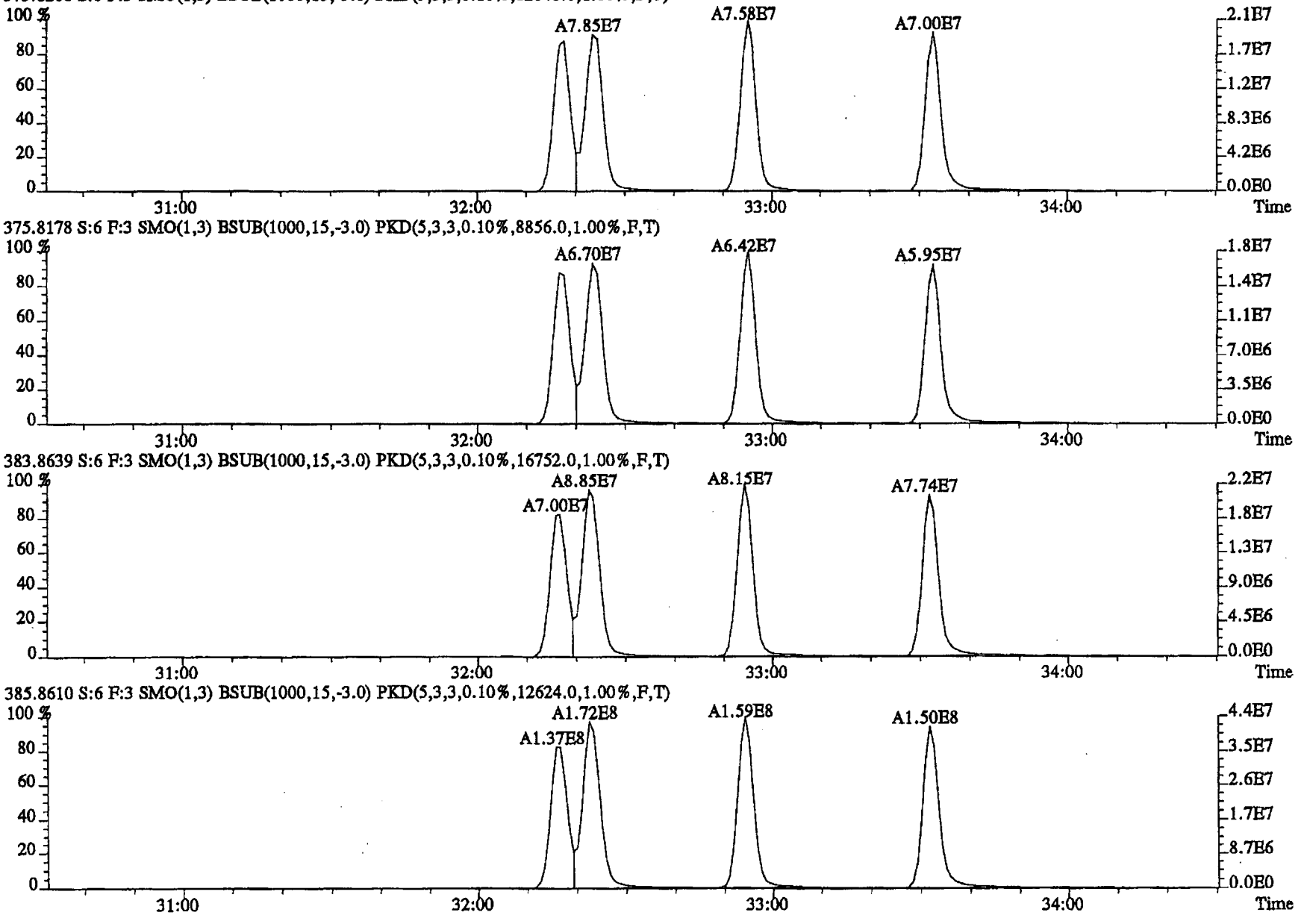
367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5308.0,1.00%,F,T)



369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3820.0,1.00%,F,T)

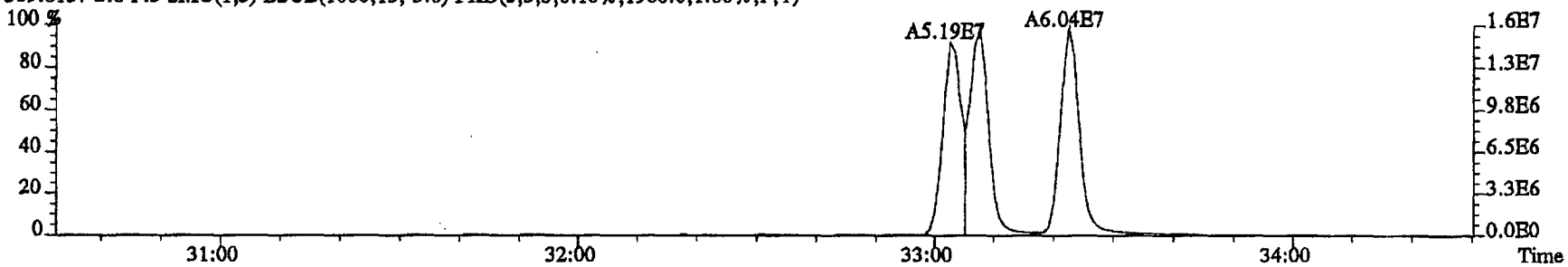


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

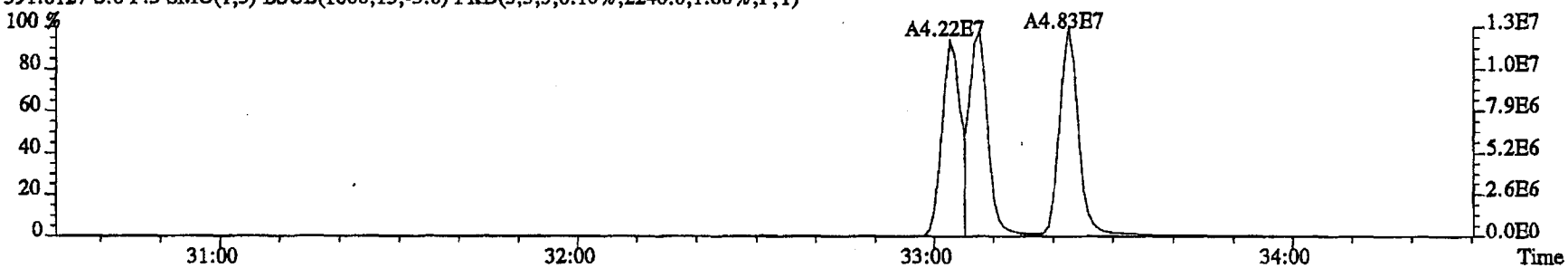


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

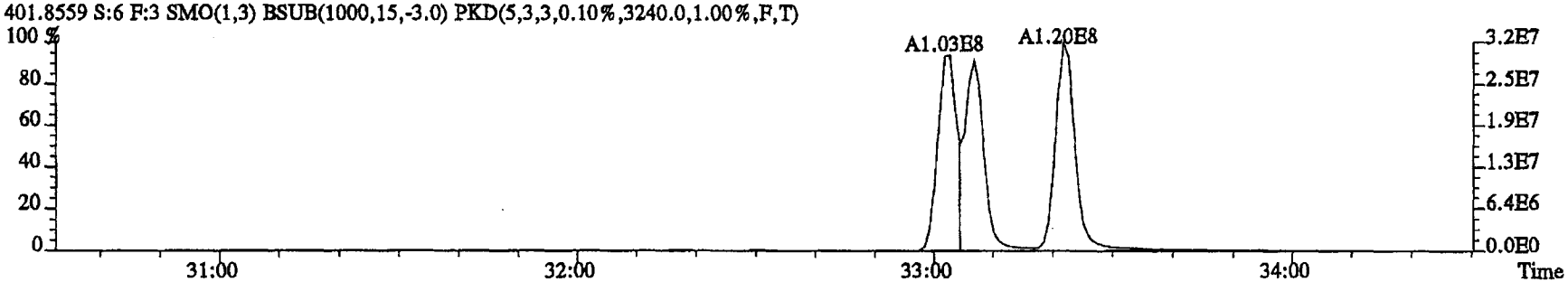
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)



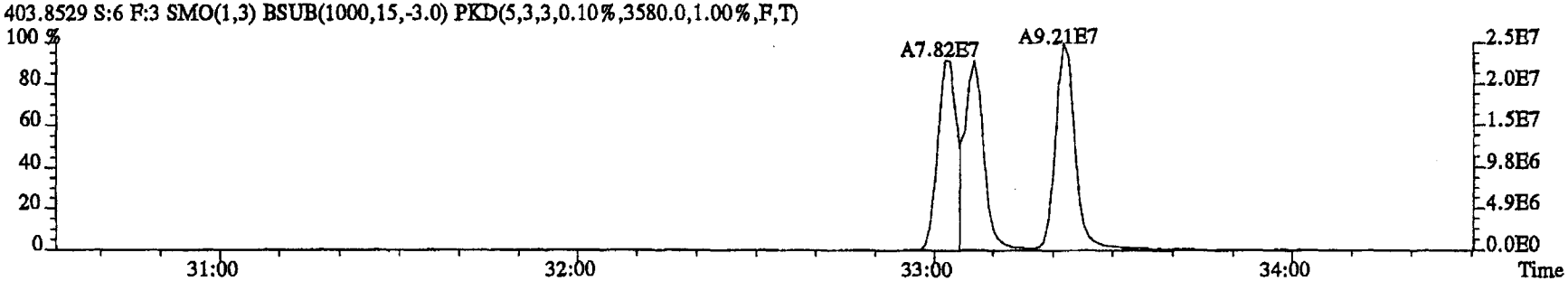
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)



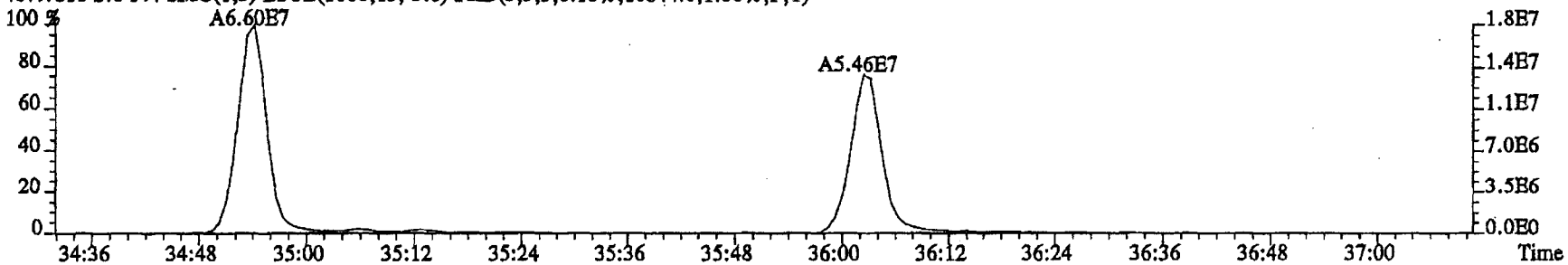
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3240.0,1.00%,F,T)



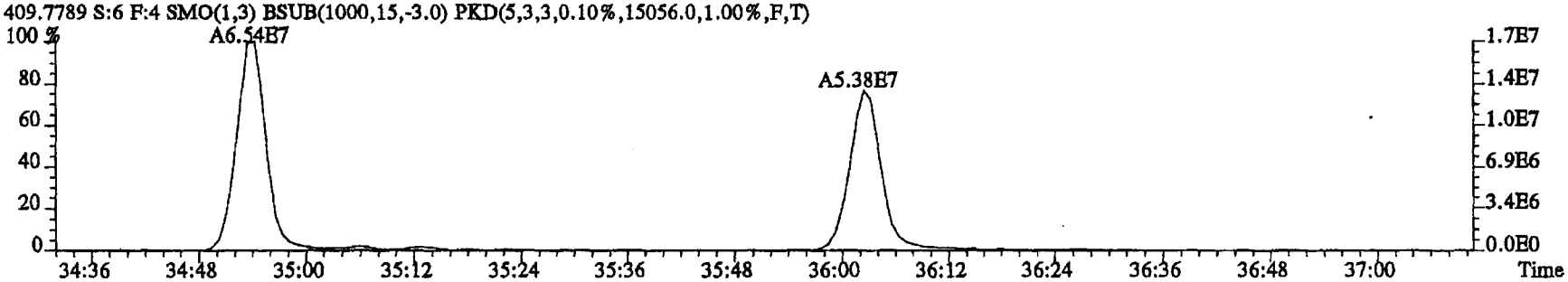
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3580.0,1.00%,F,T)



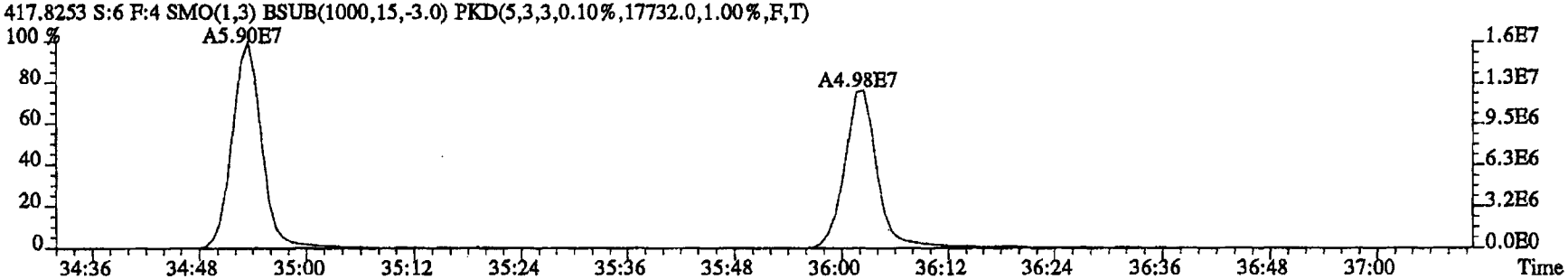
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10844.0,1.00%,F,T)



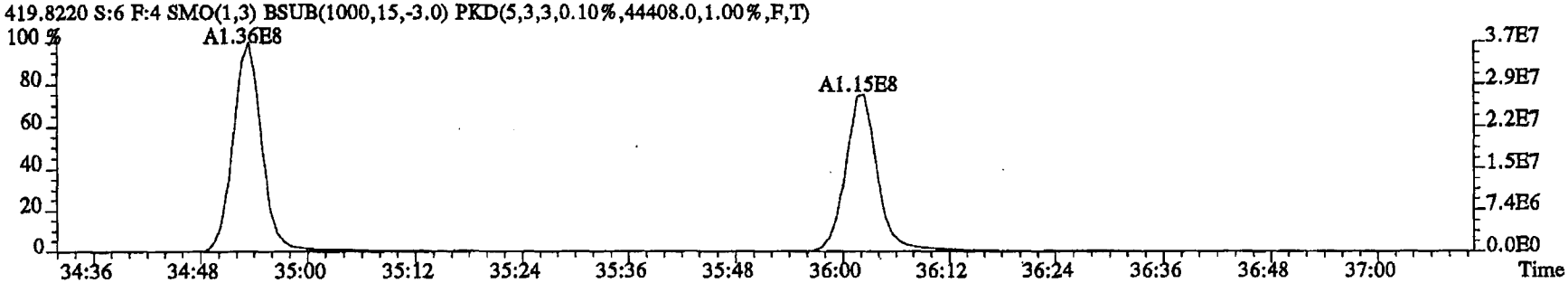
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15056.0,1.00%,F,T)



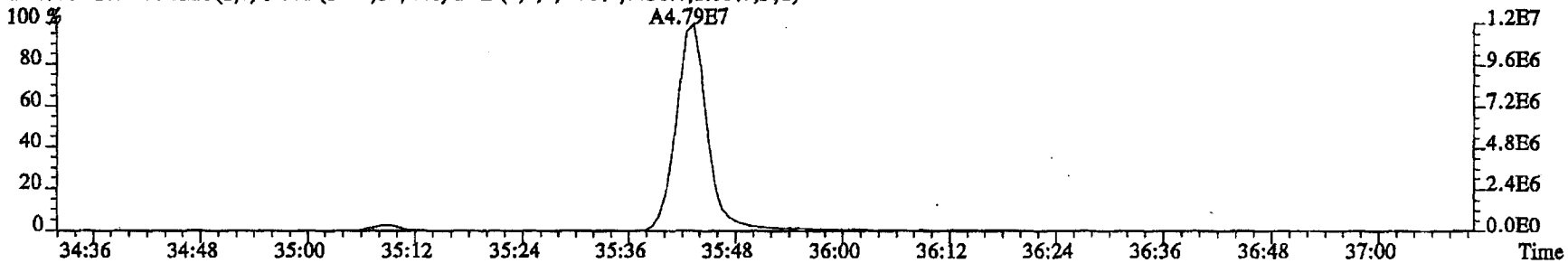
417.8253 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17732.0,1.00%,F,T)



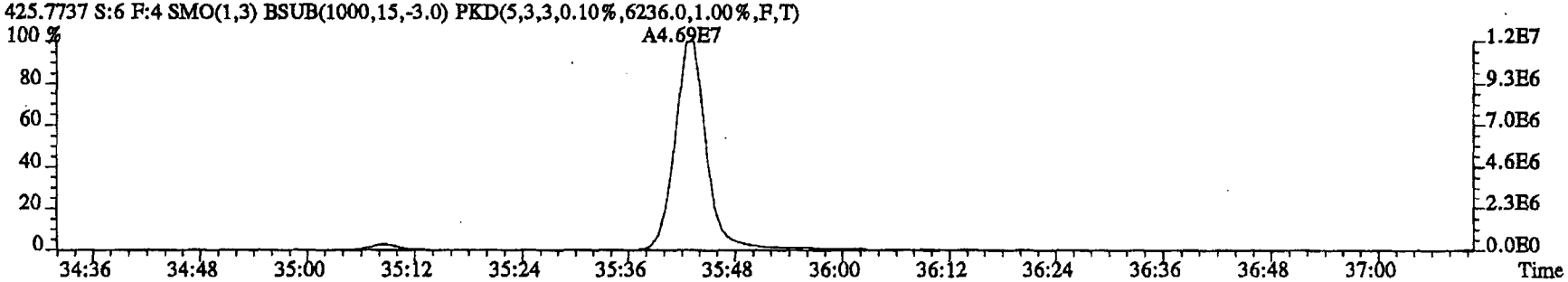
419.8220 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44408.0,1.00%,F,T)



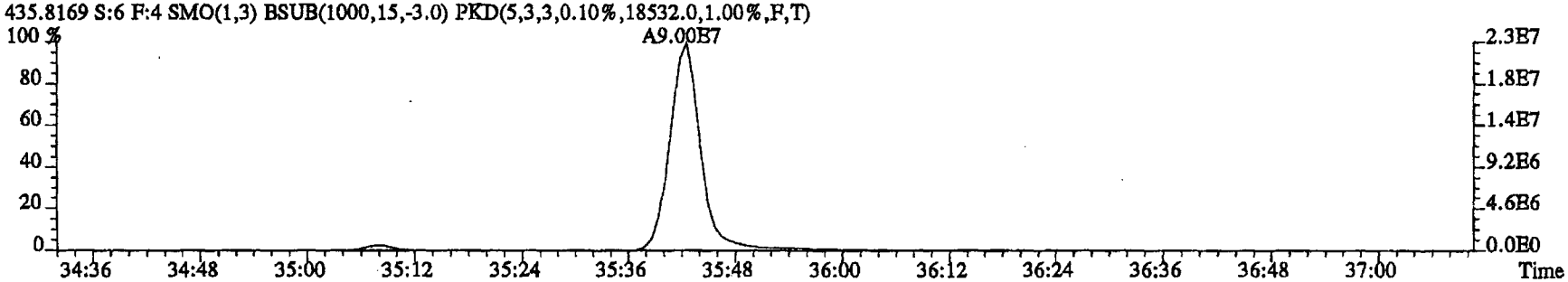
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7856.0,1.00%,F,T)



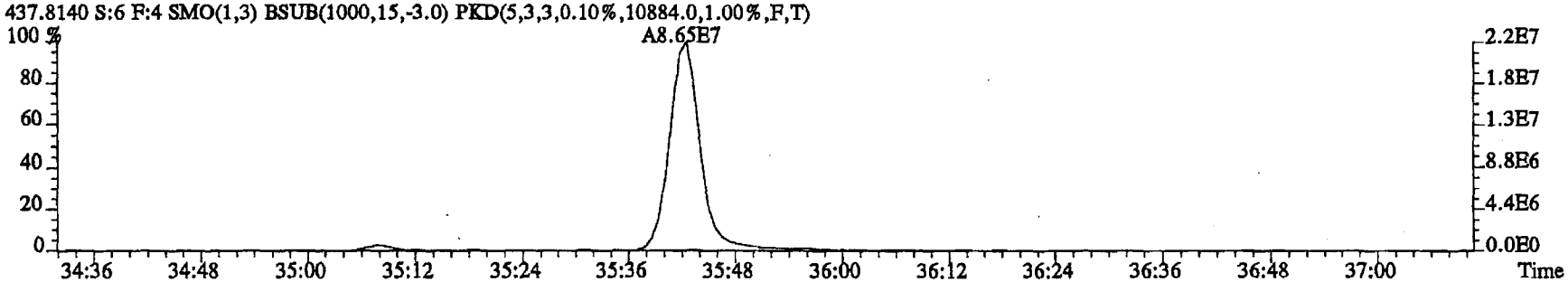
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6236.0,1.00%,F,T)



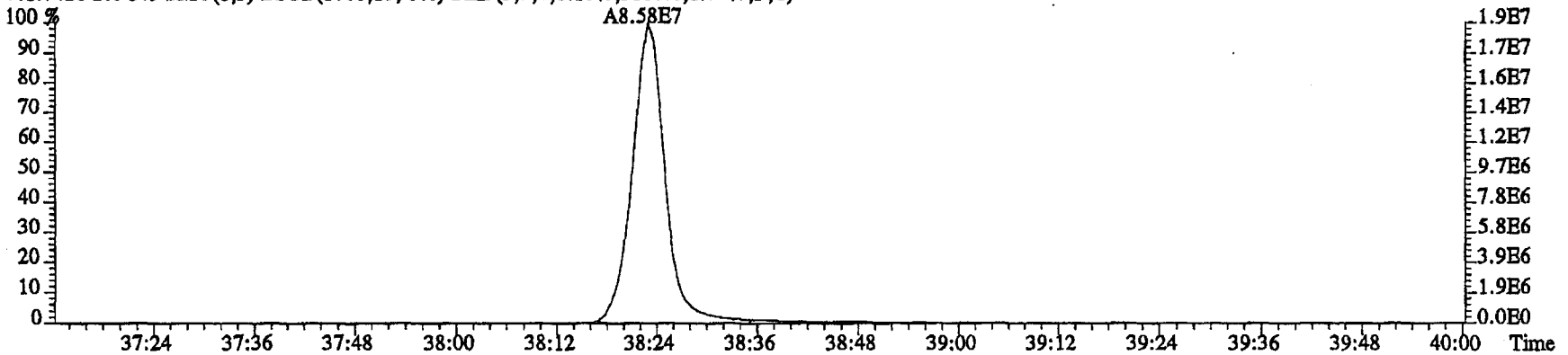
435.8169 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18532.0,1.00%,F,T)



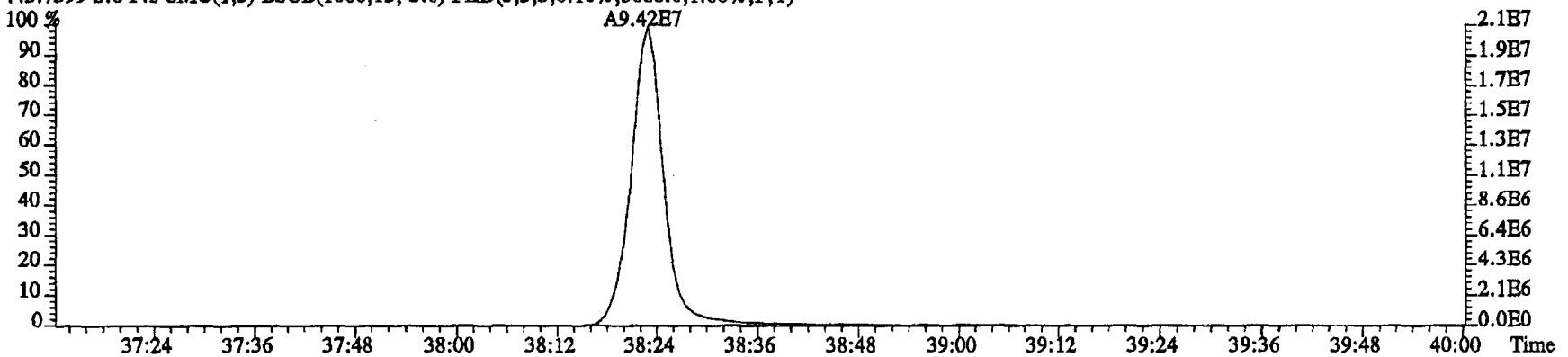
437.8140 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10884.0,1.00%,F,T)



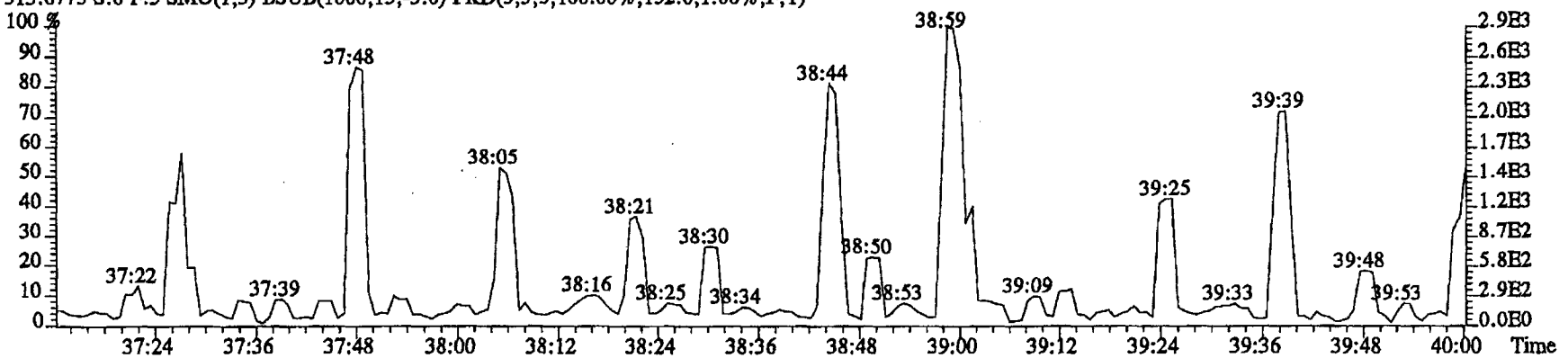
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3800.0,1.00%,F,T)



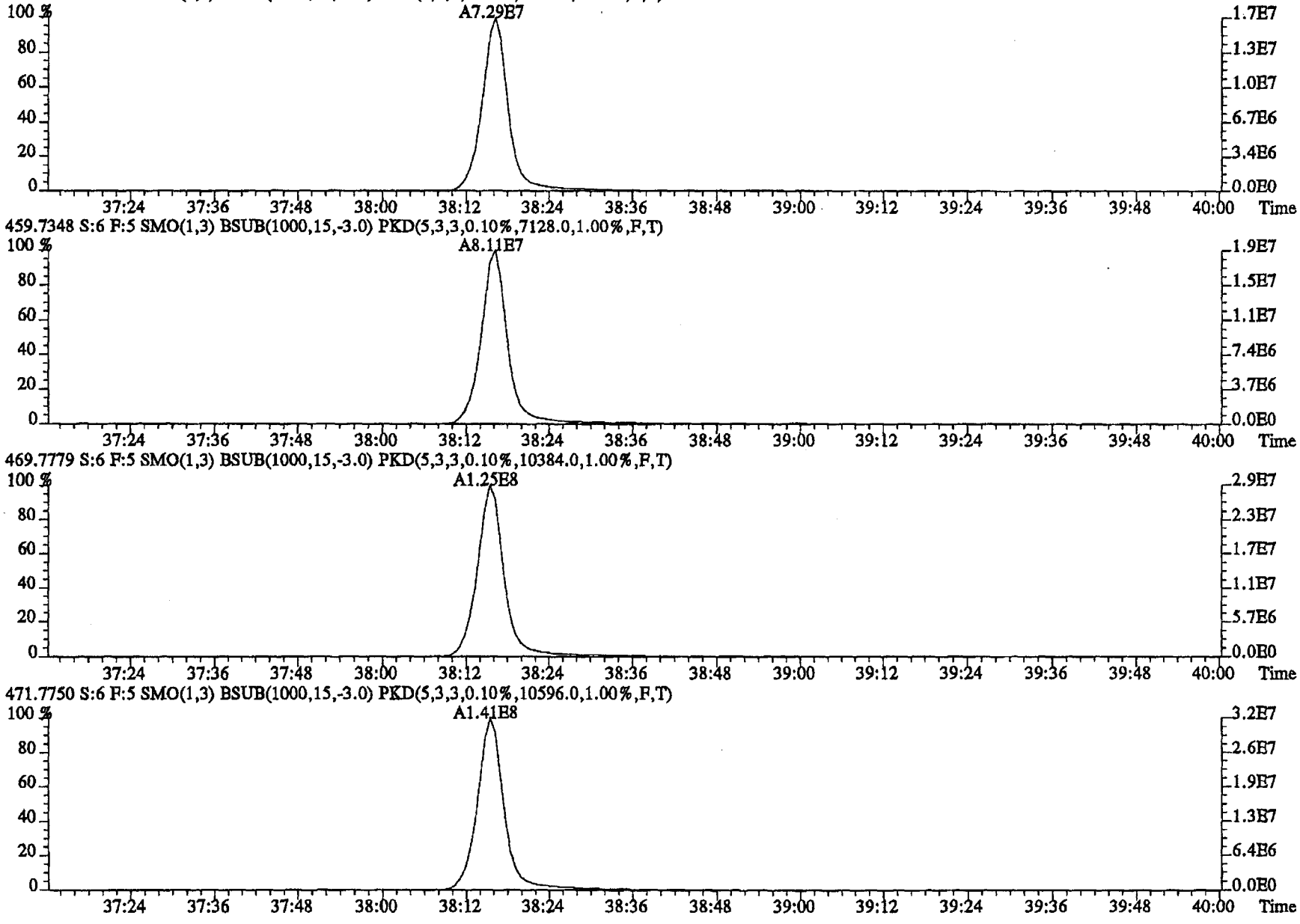
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5668.0,1.00%,F,T)



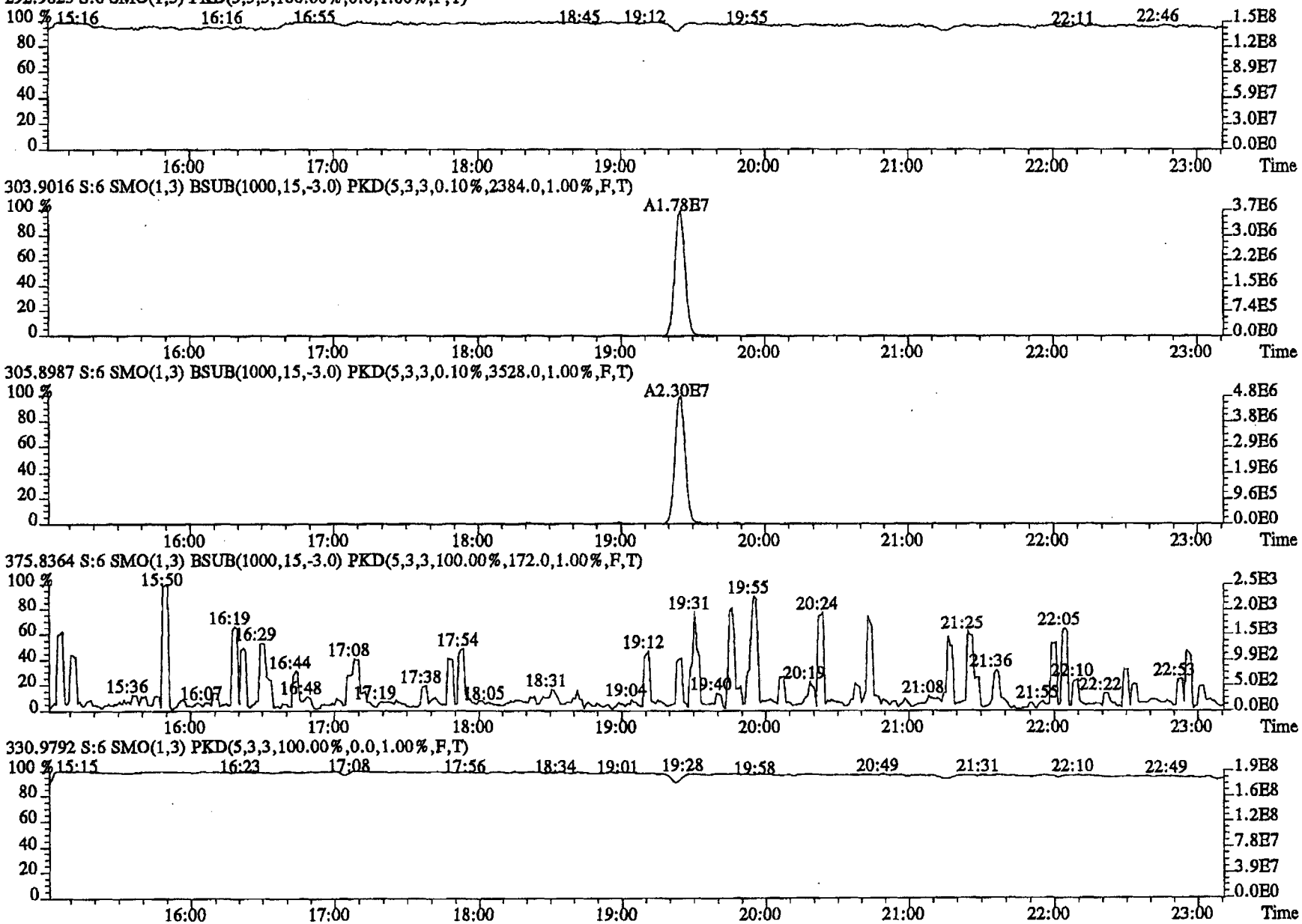
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,152.0,1.00%,F,T)



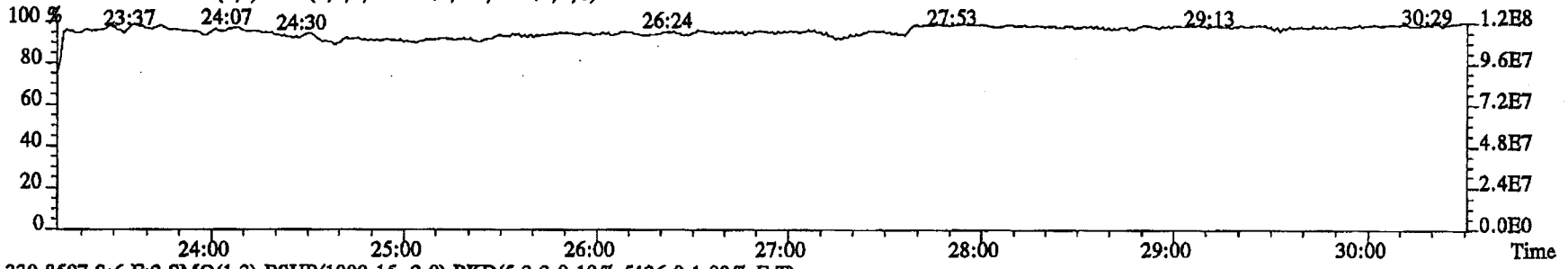
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



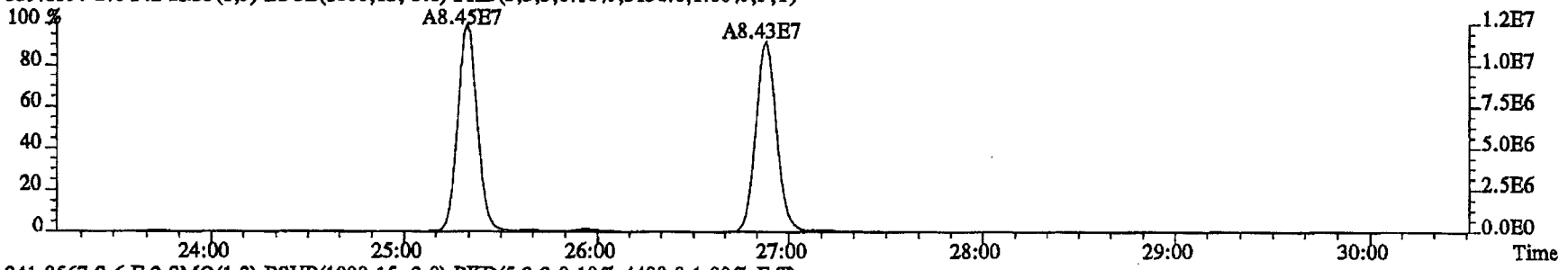
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



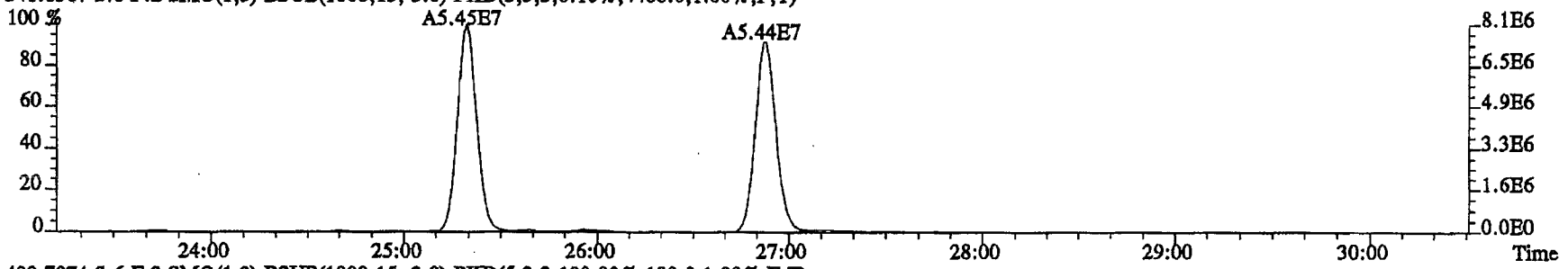
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



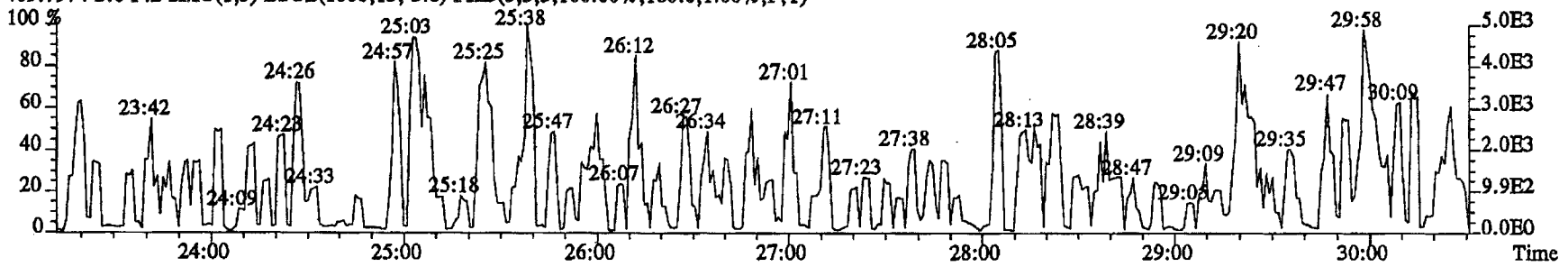
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5136.0,1.00%,F,T)



341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4488.0,1.00%,F,T)

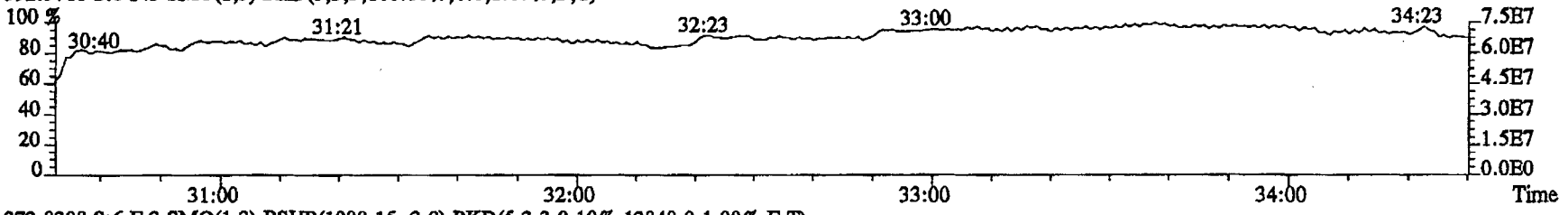


409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,180.0,1.00%,F,T)

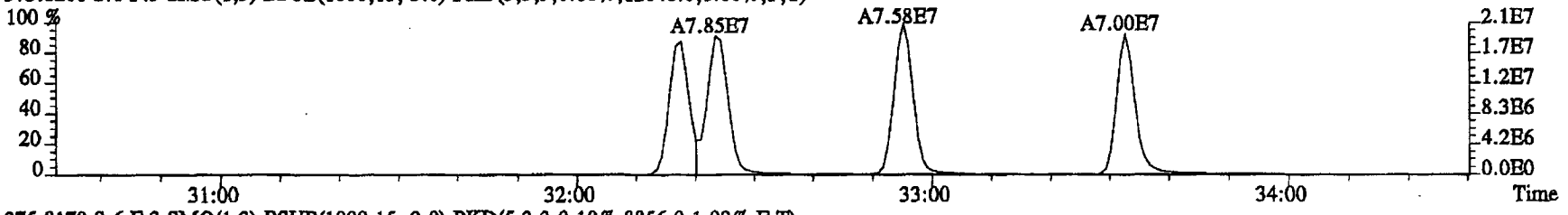


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

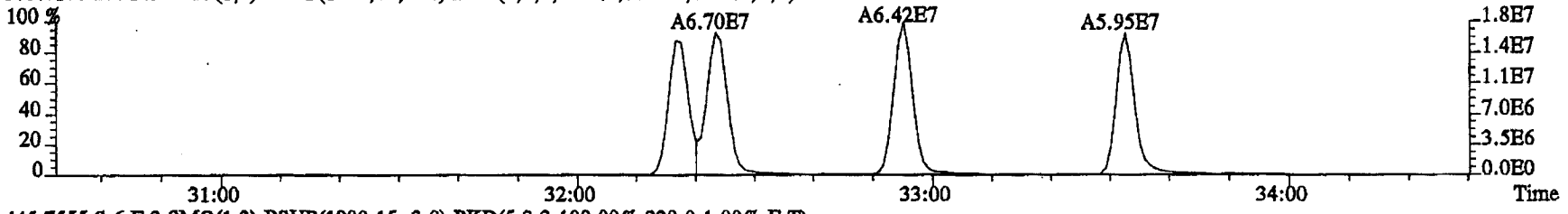
392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



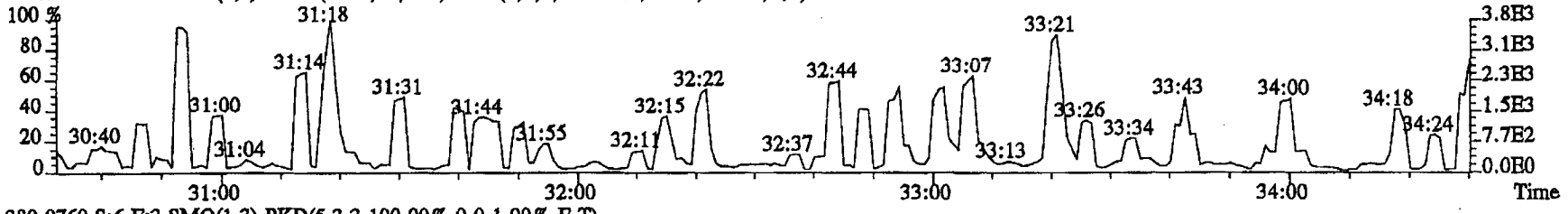
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12848.0,1.00%,F,T)



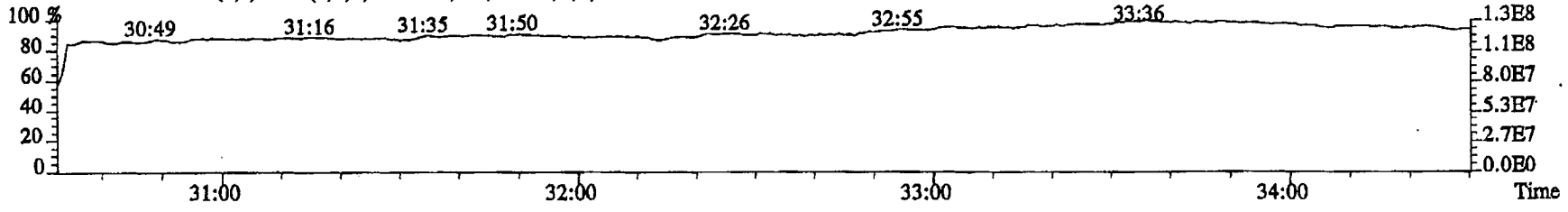
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8856.0,1.00%,F,T)



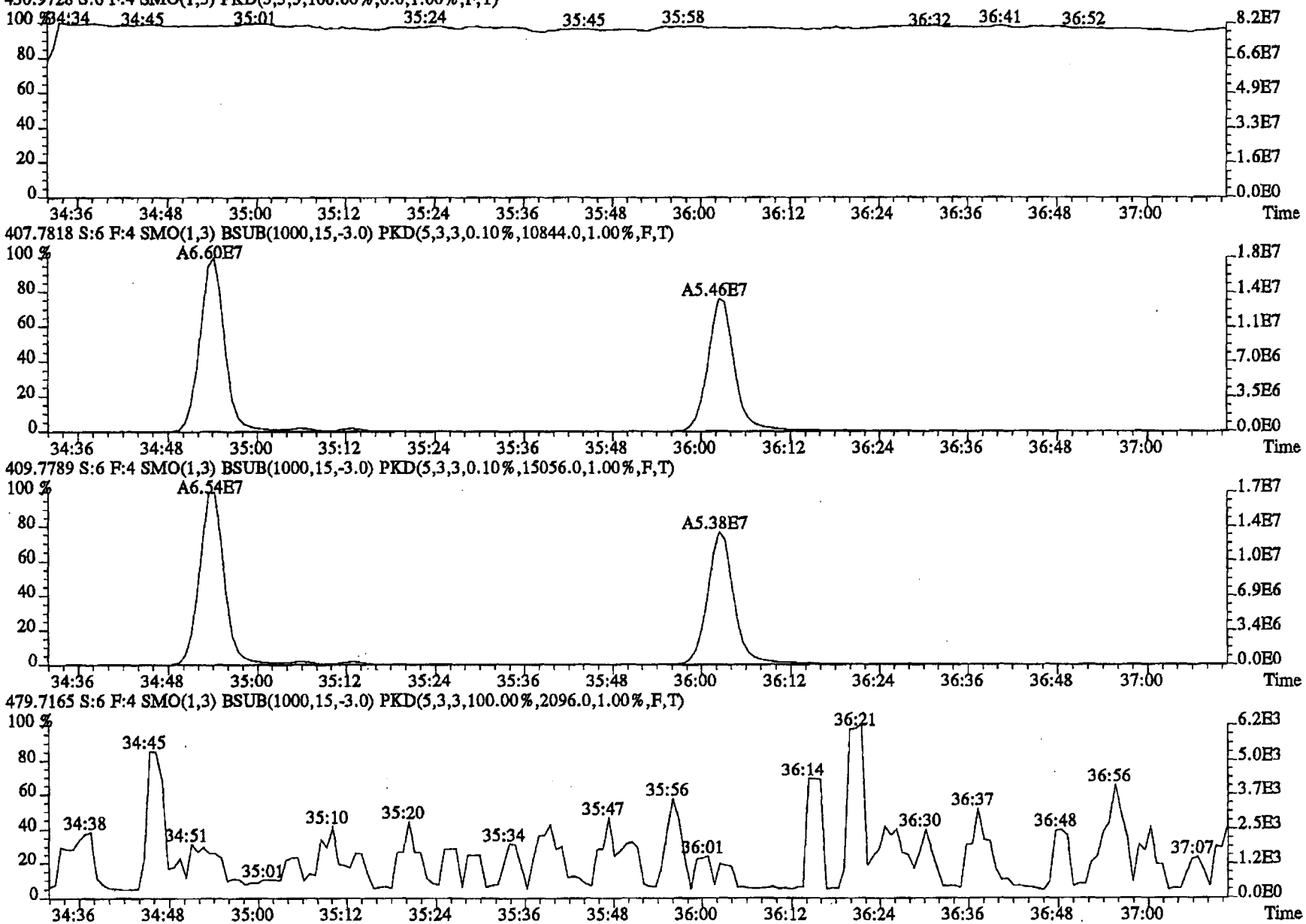
445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,220.0,1.00%,F,T)



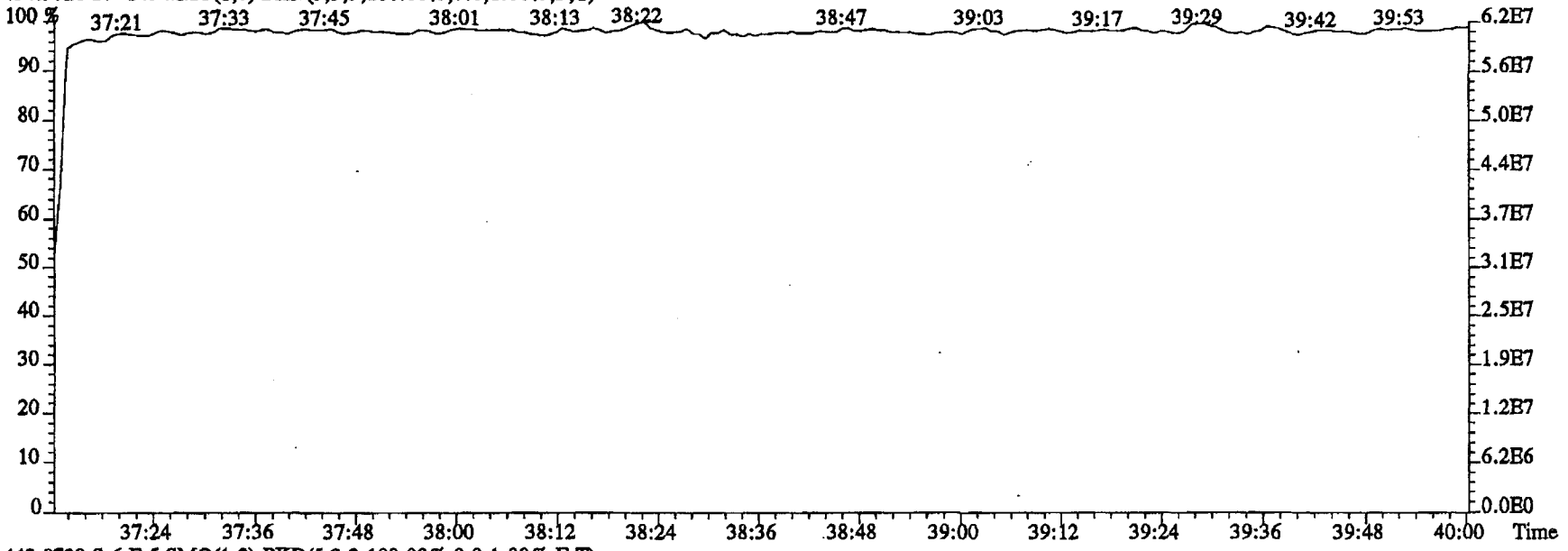
380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



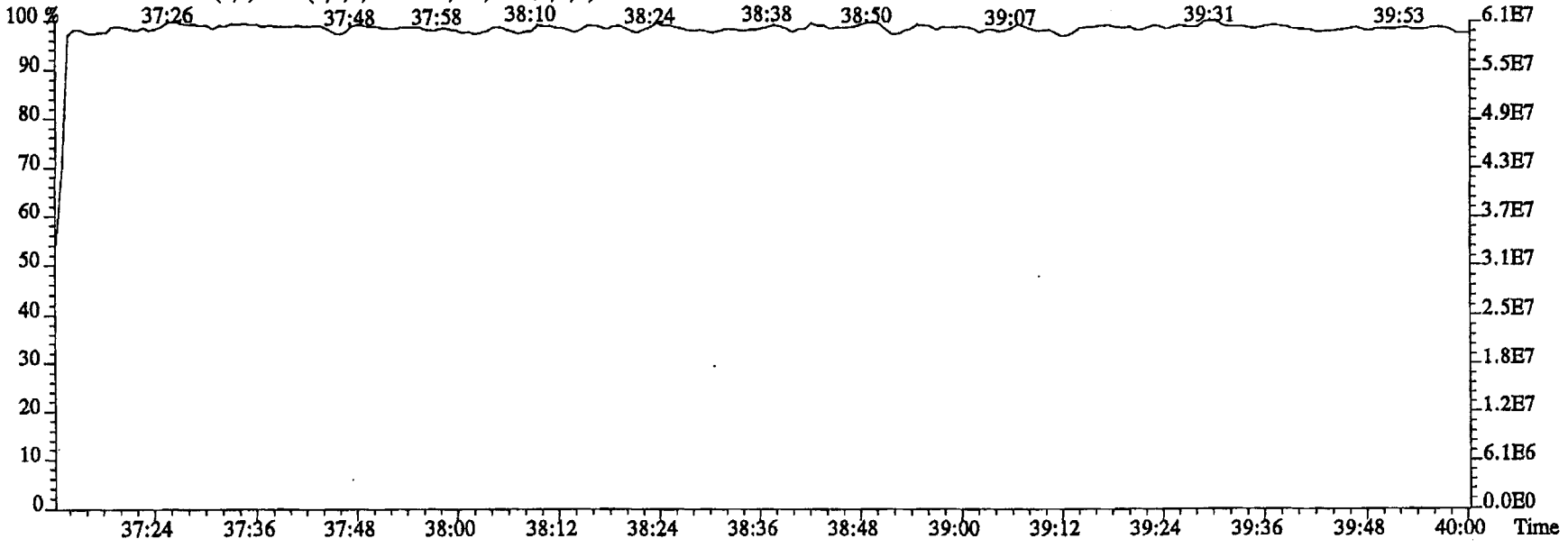
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaB
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



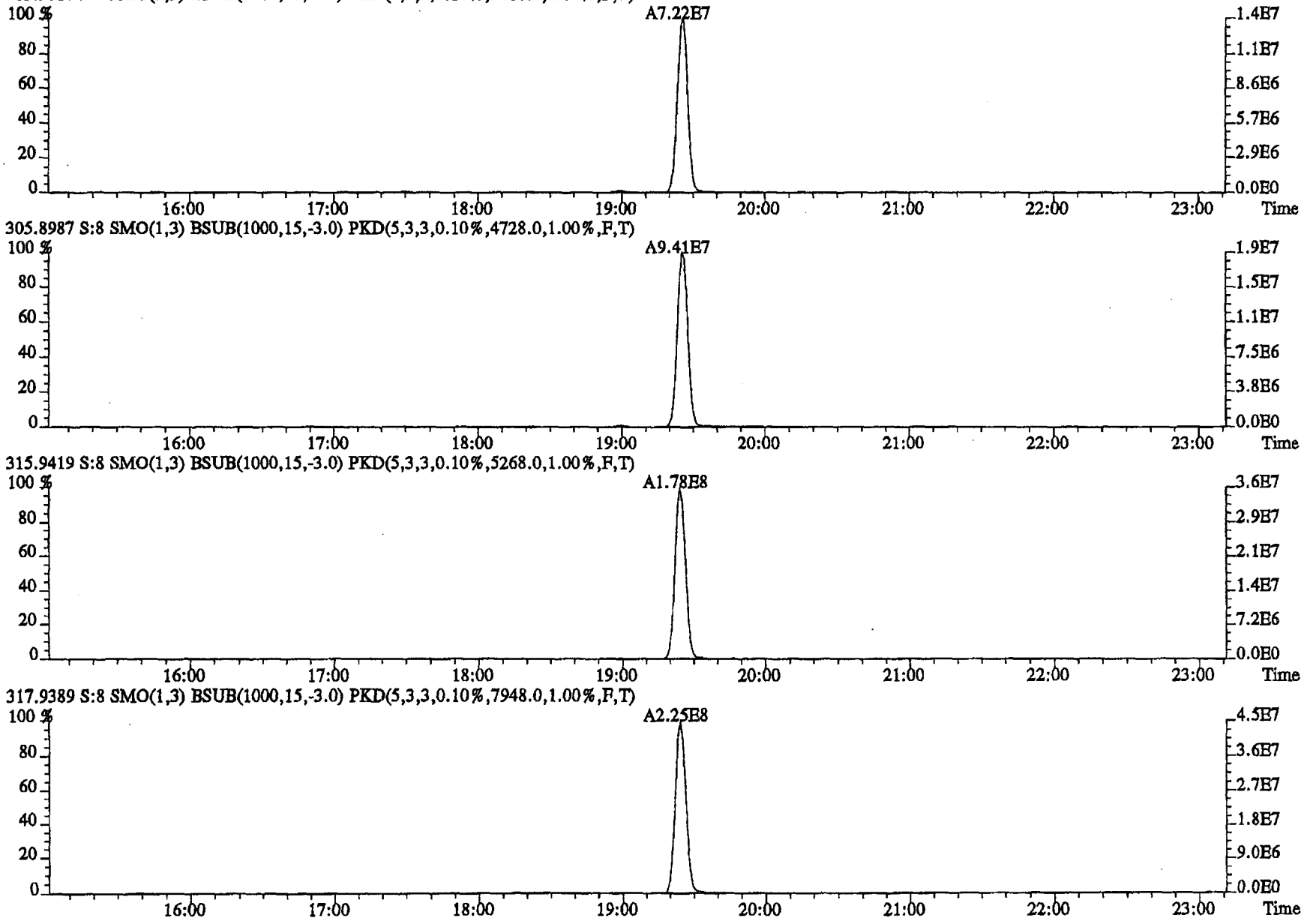
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



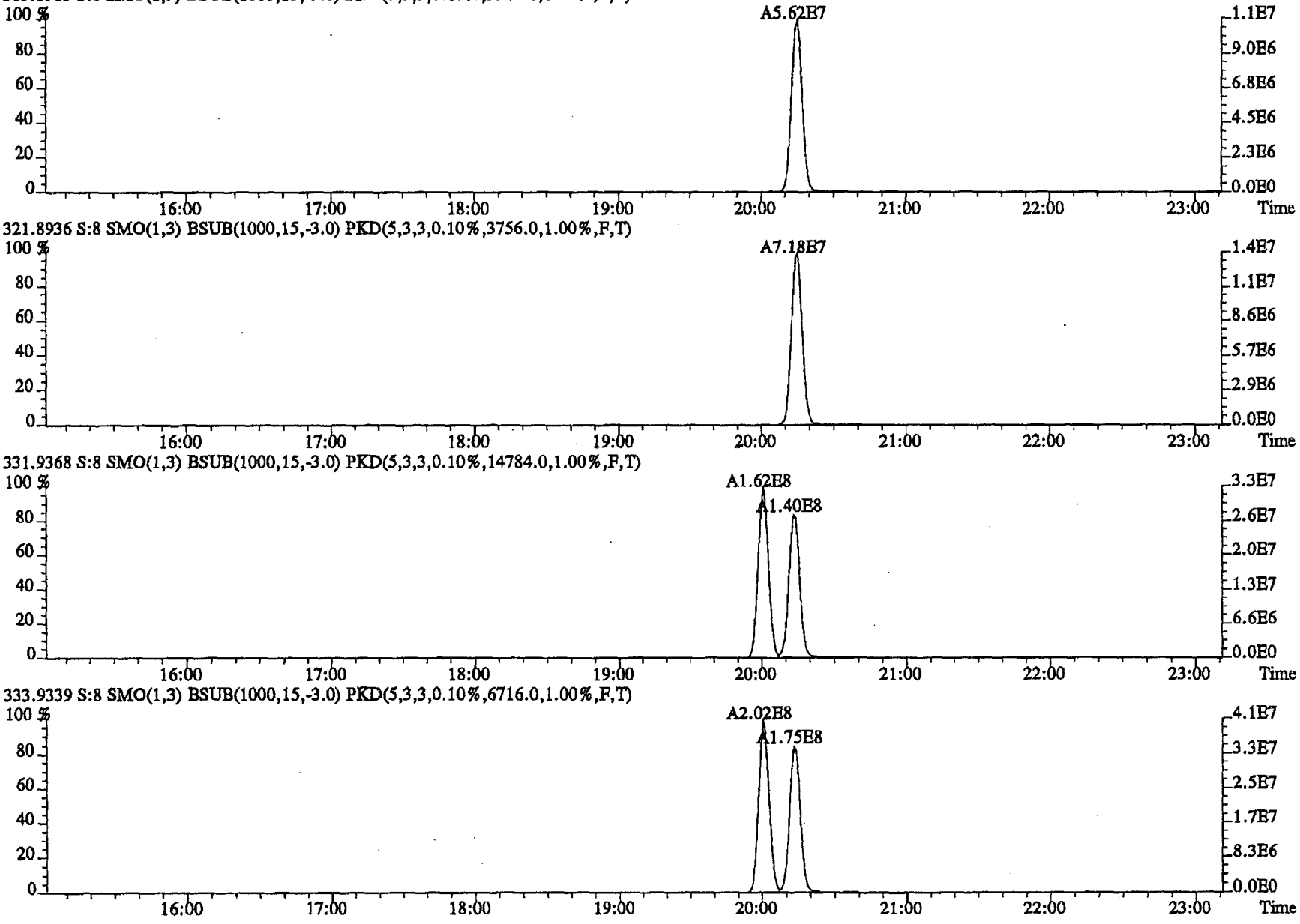
442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



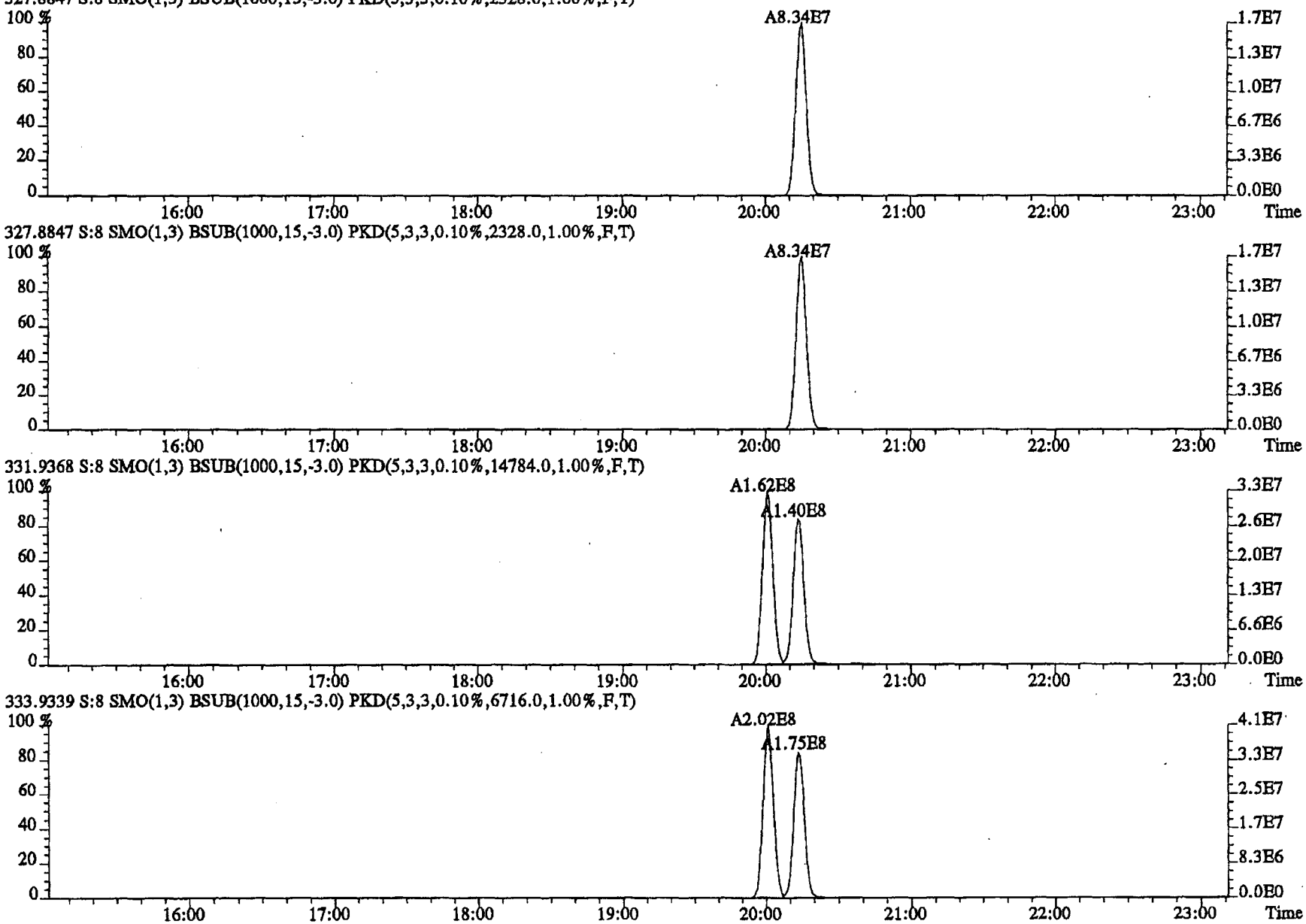
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



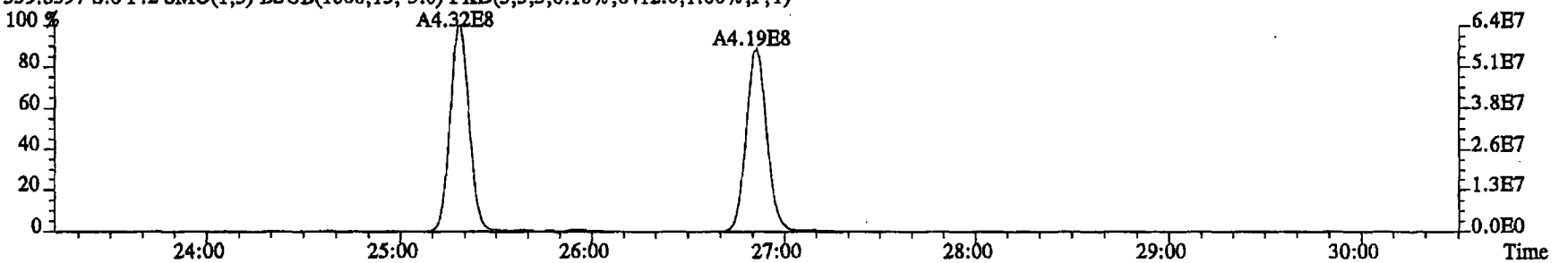
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

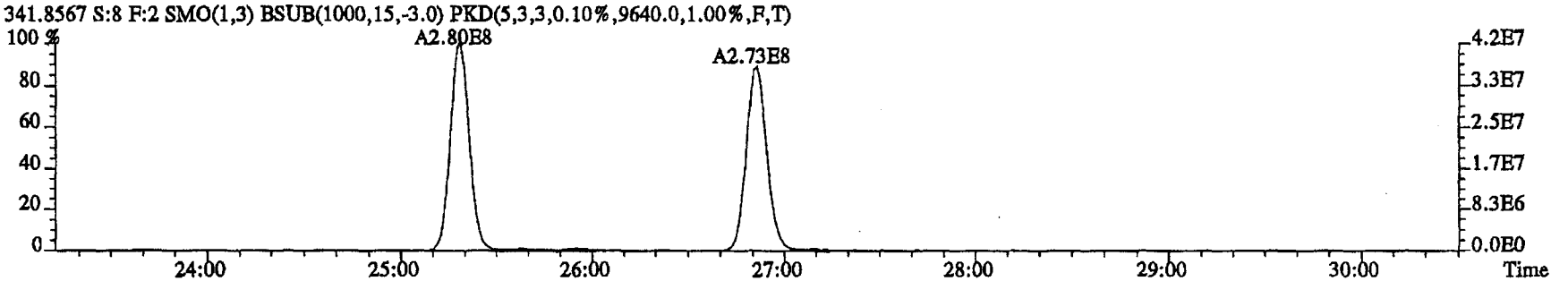


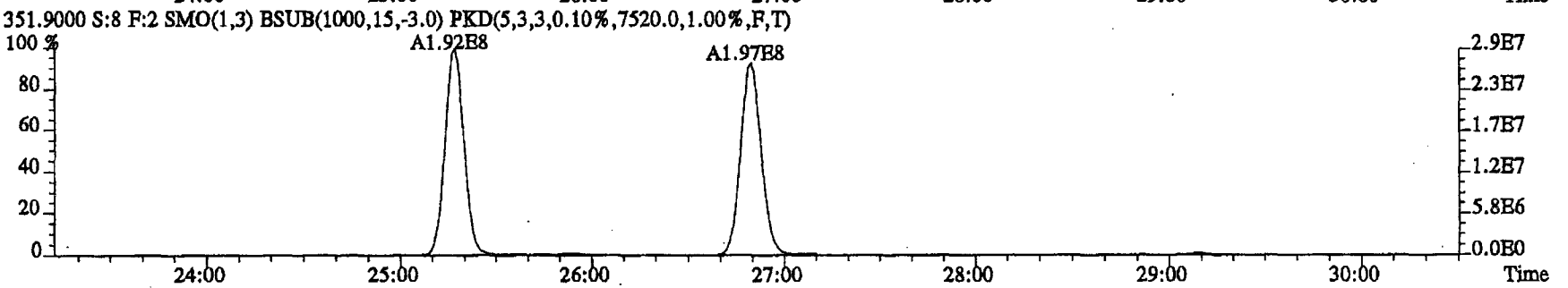
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

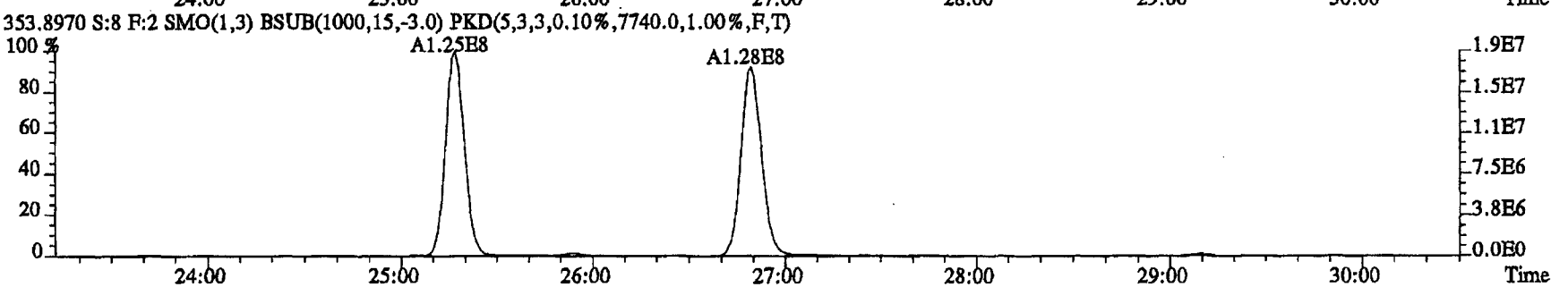


File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

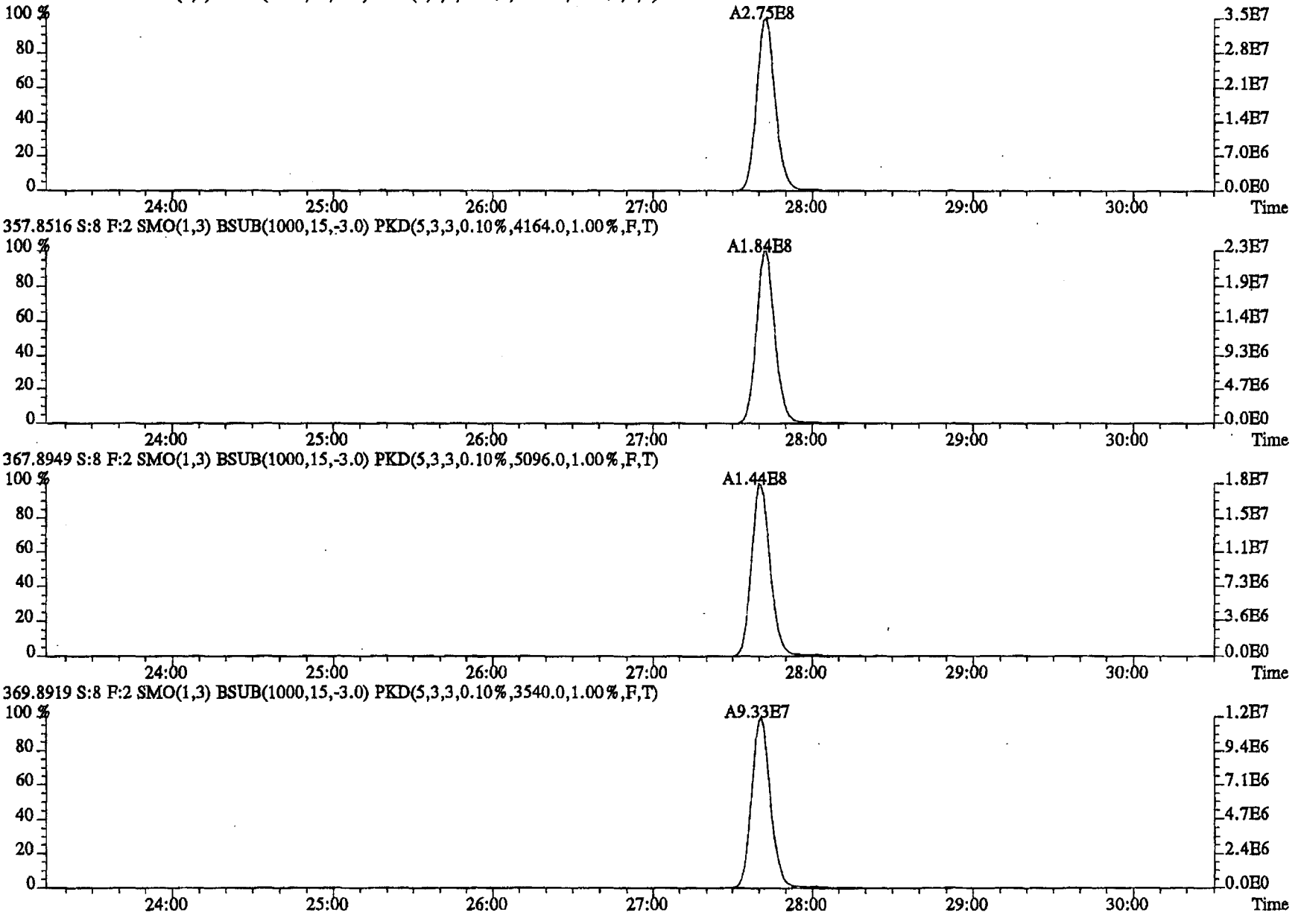




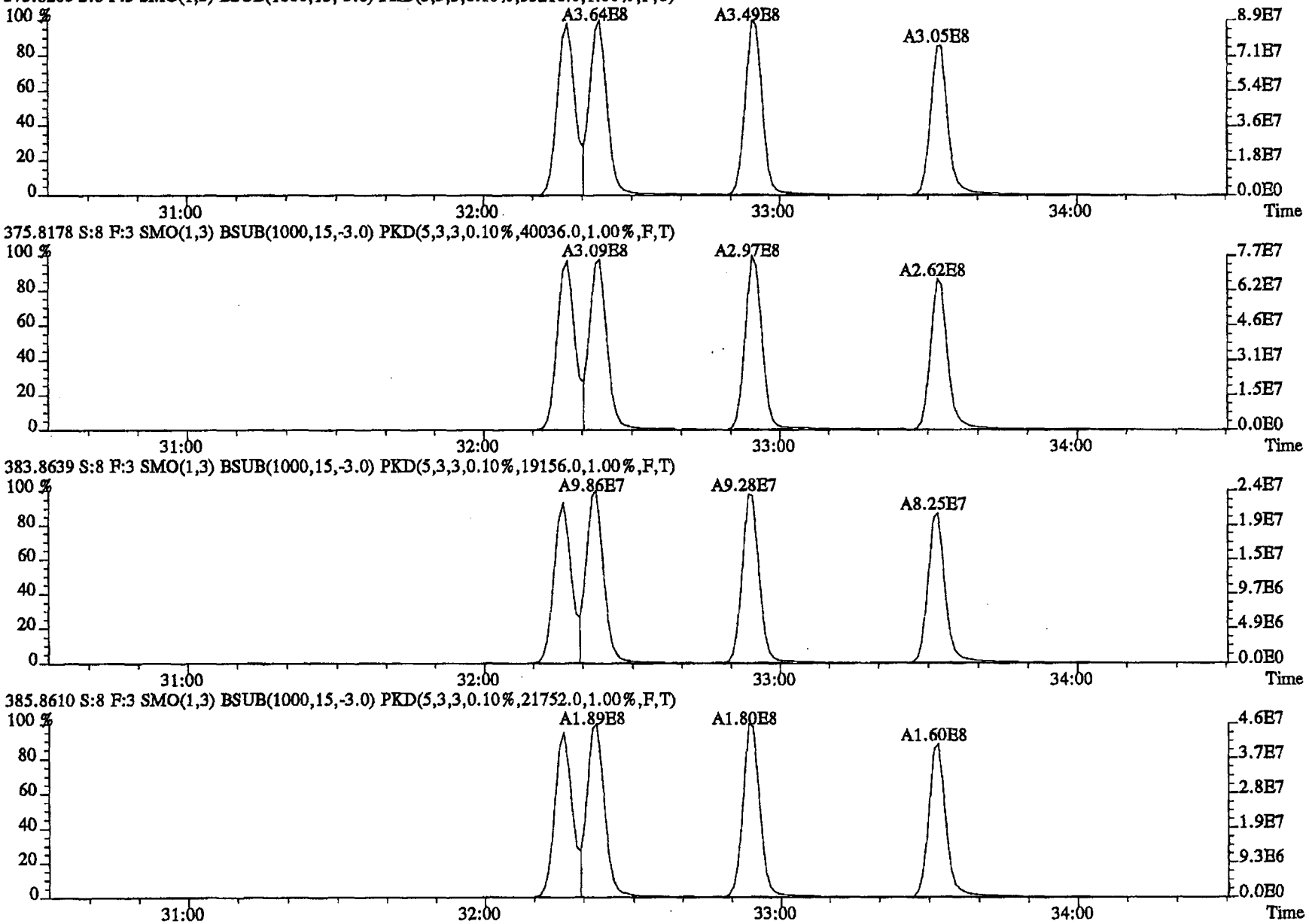




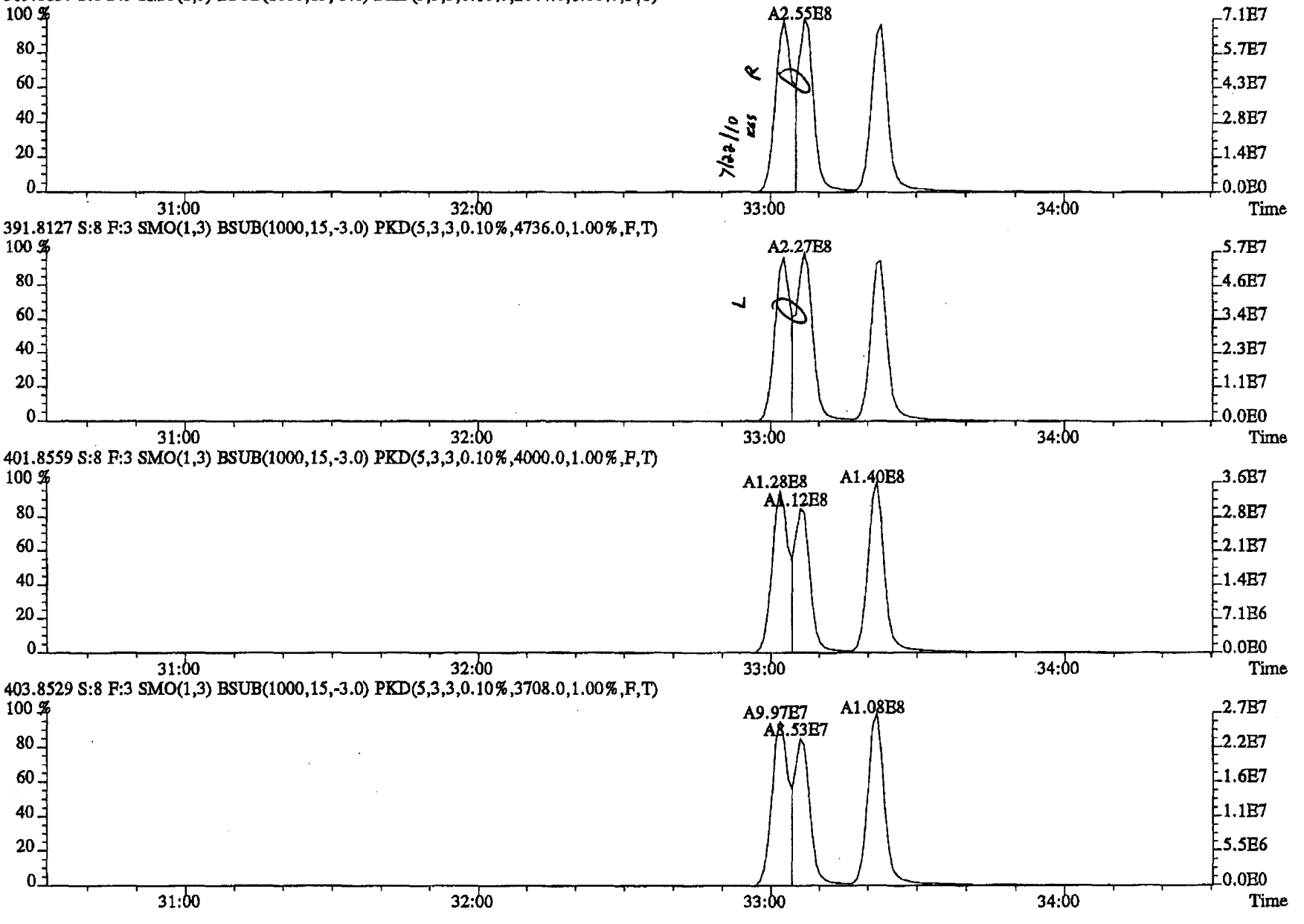
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



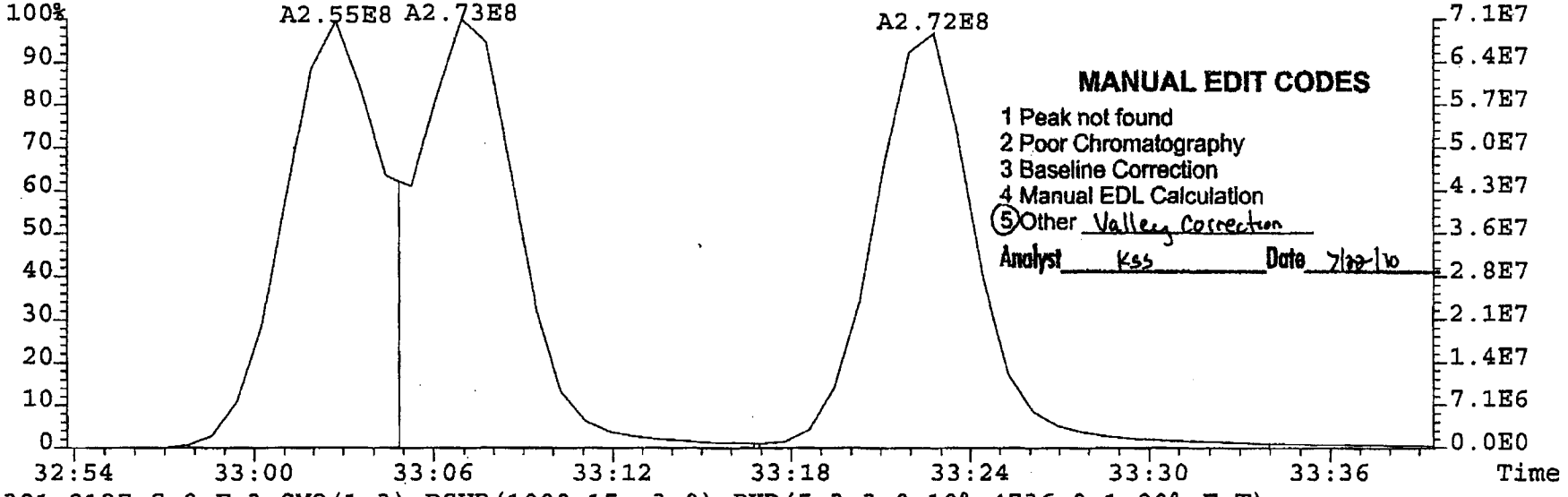
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2644.0,1.00%,F,T)

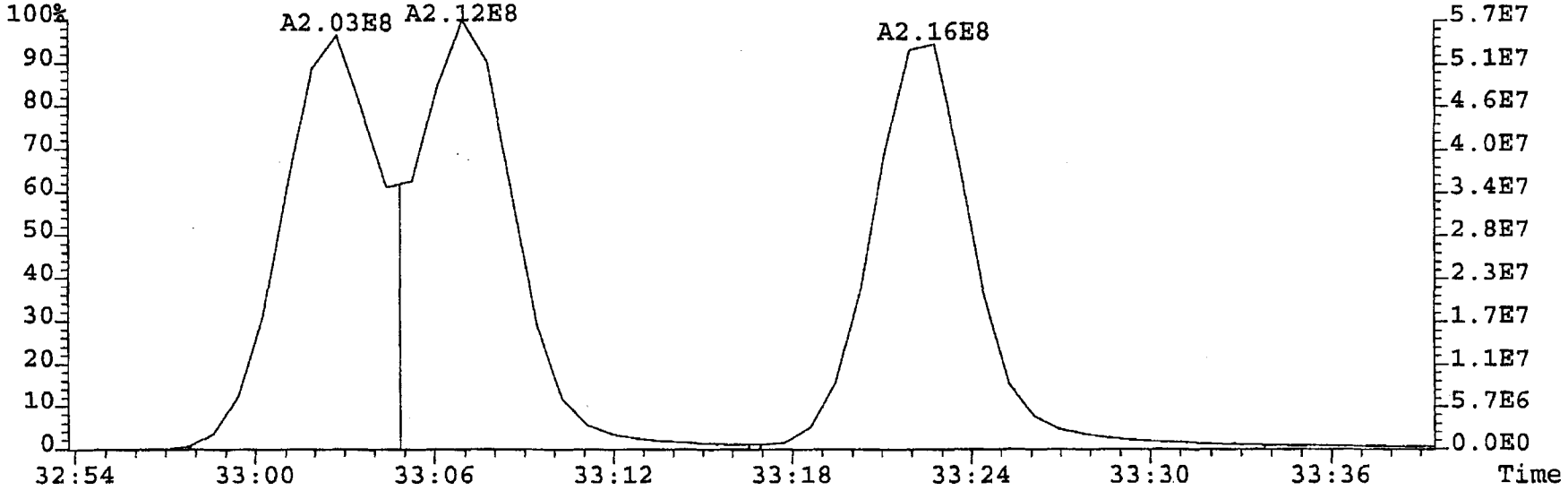


MANUAL EDIT CODES

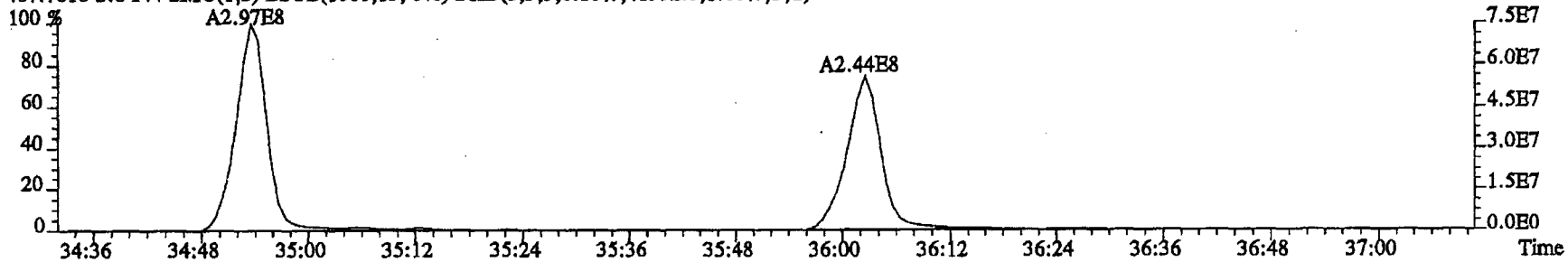
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
(5) Other Valley Correction

Analyst KSS Date 7/22/10

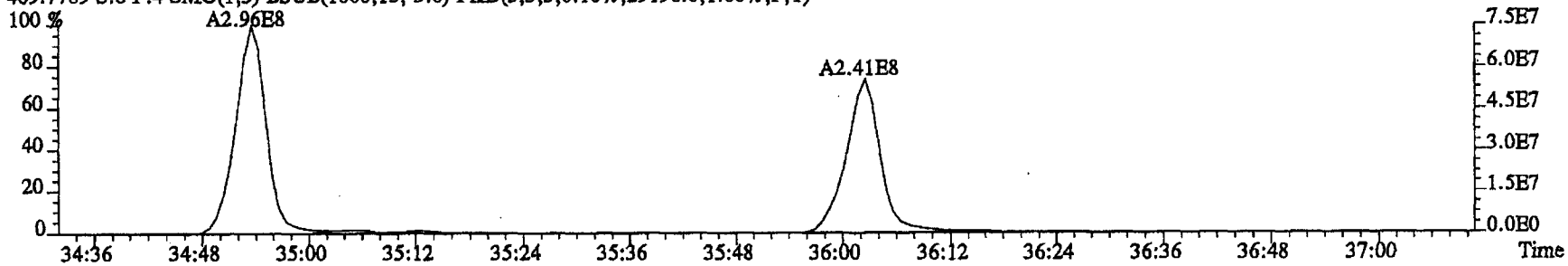
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4736.0,1.00%,F,T)



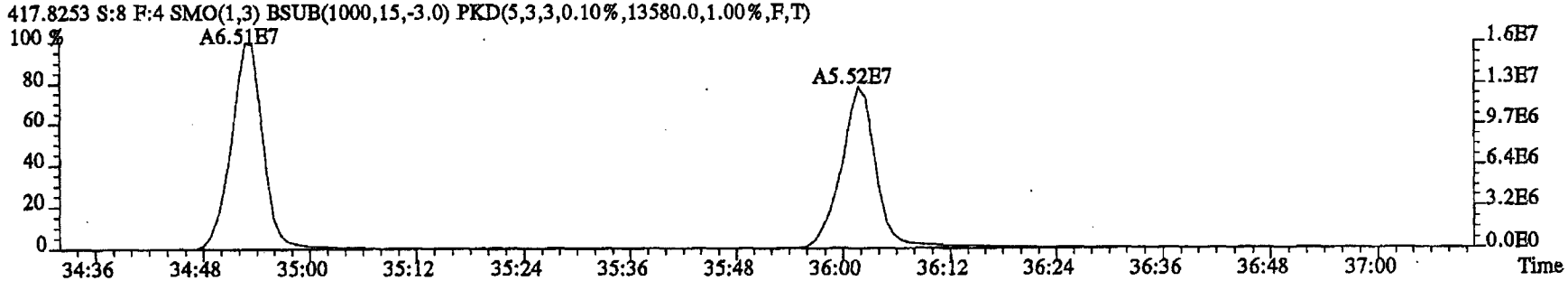
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41352.0,1.00%,F,T)



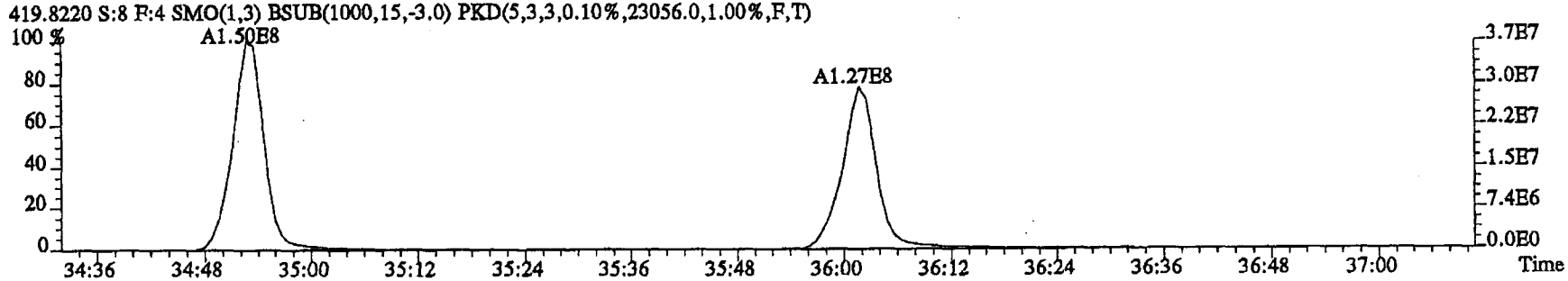
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29196.0,1.00%,F,T)



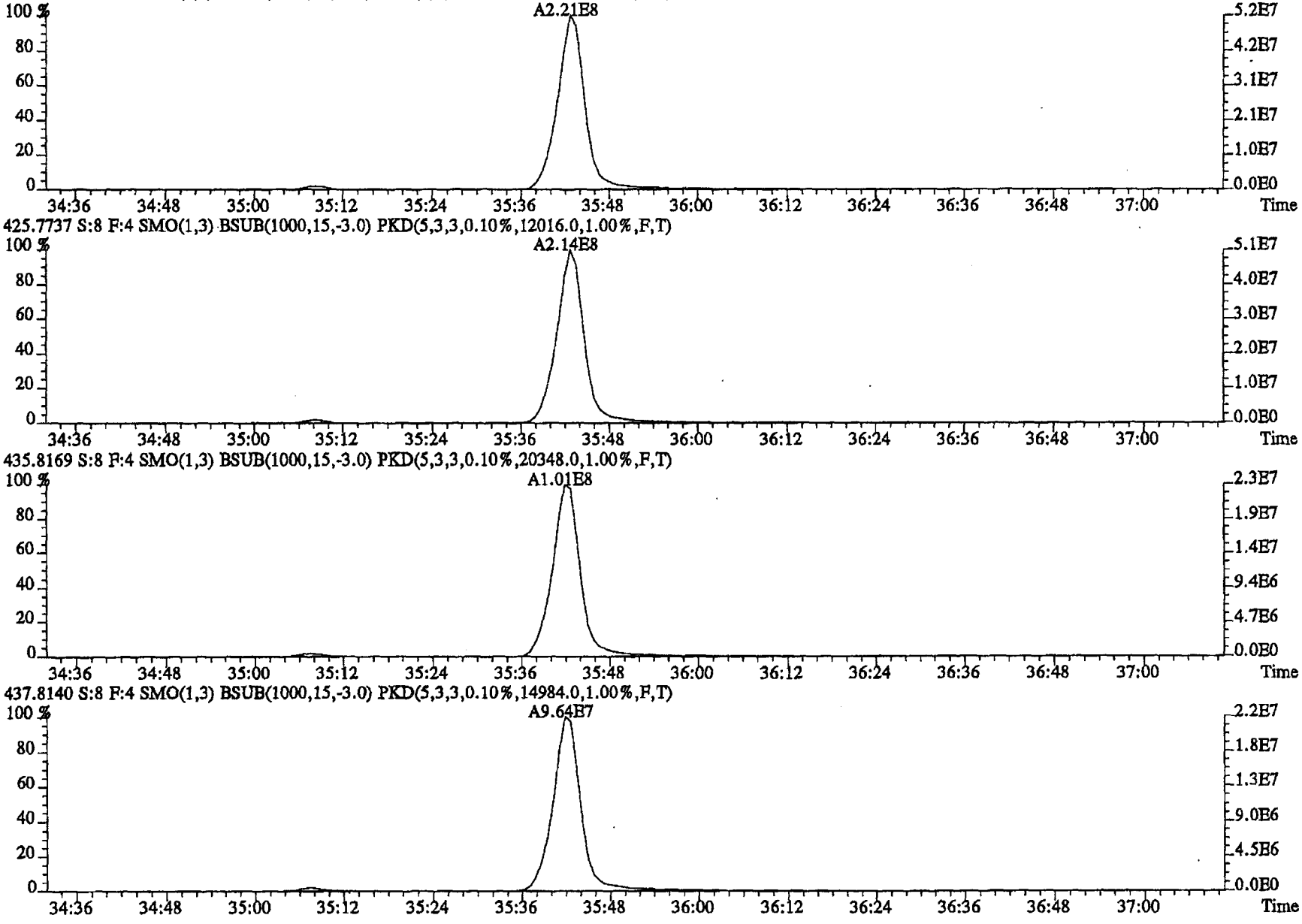
417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13580.0,1.00%,F,T)



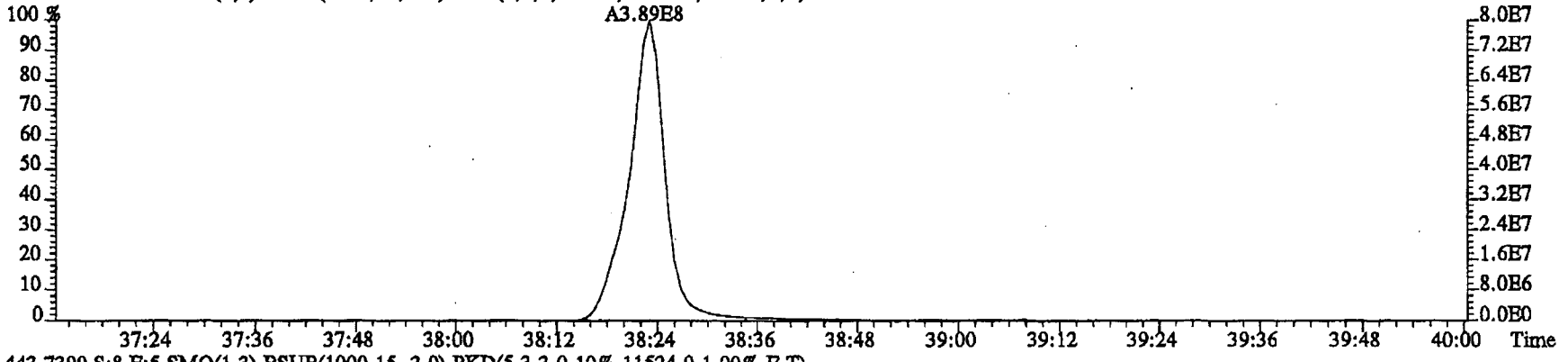
419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23056.0,1.00%,F,T)



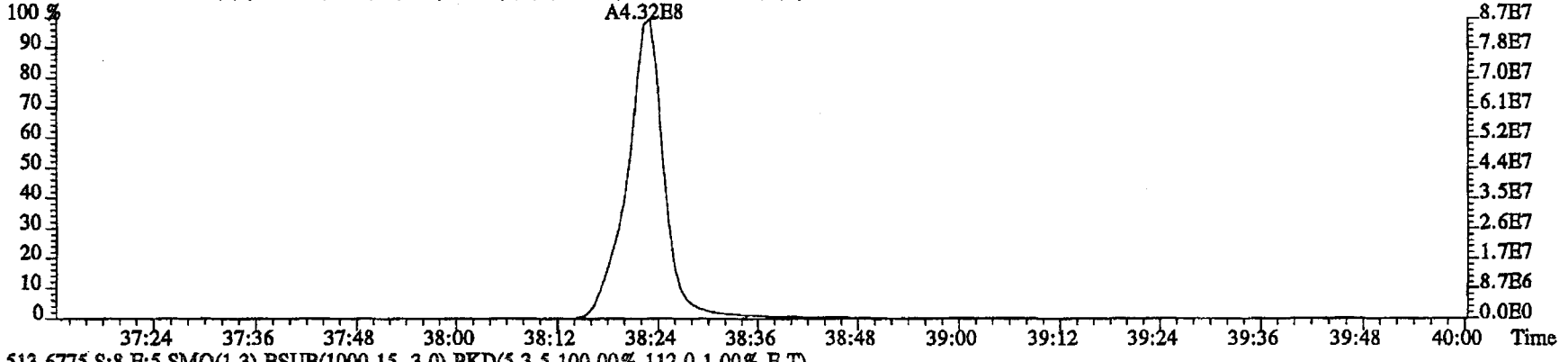
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



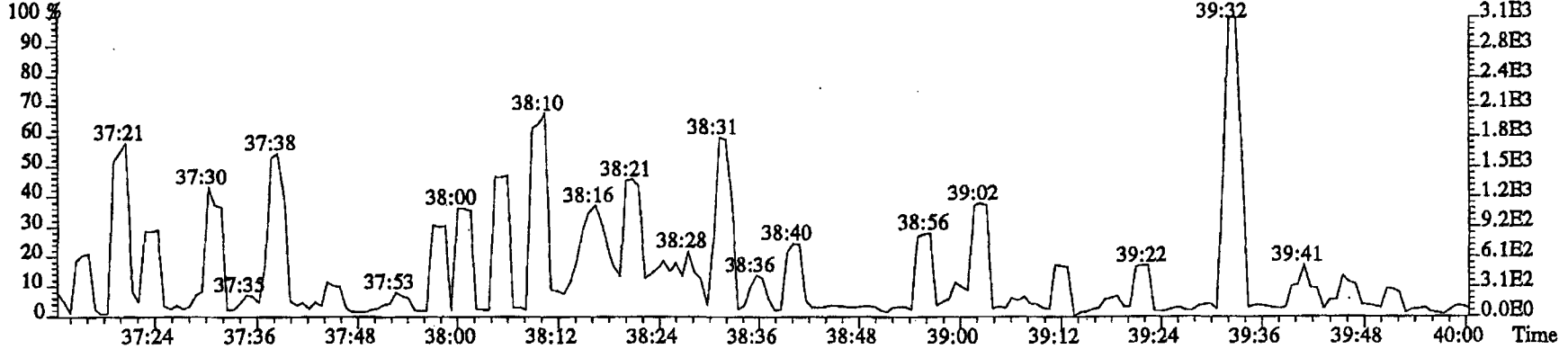
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12968.0,1.00%,F,T)



443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11524.0,1.00%,F,T)

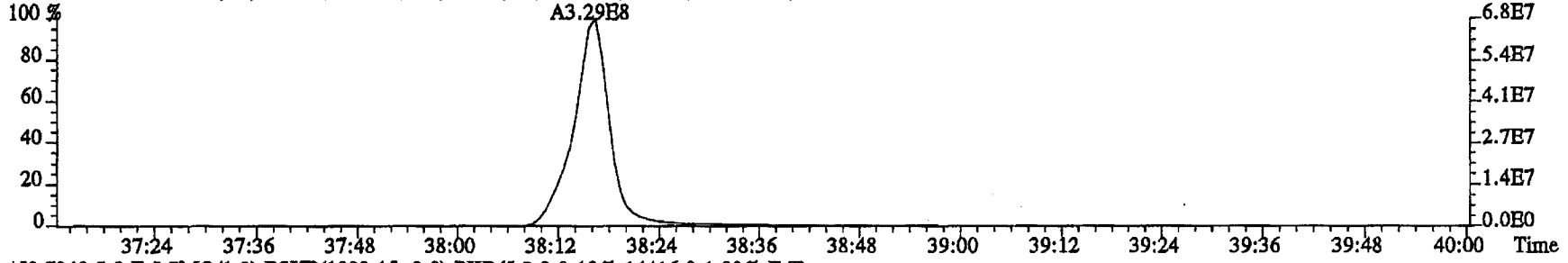


513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,112.0,1.00%,F,T)

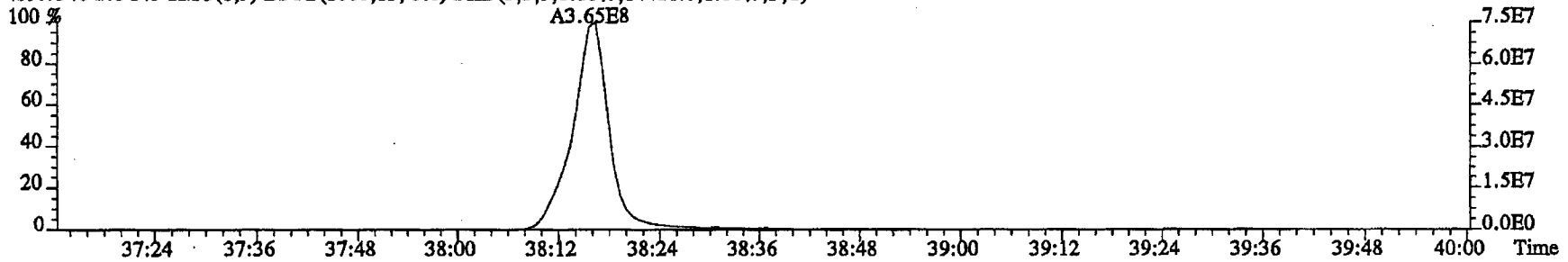


File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

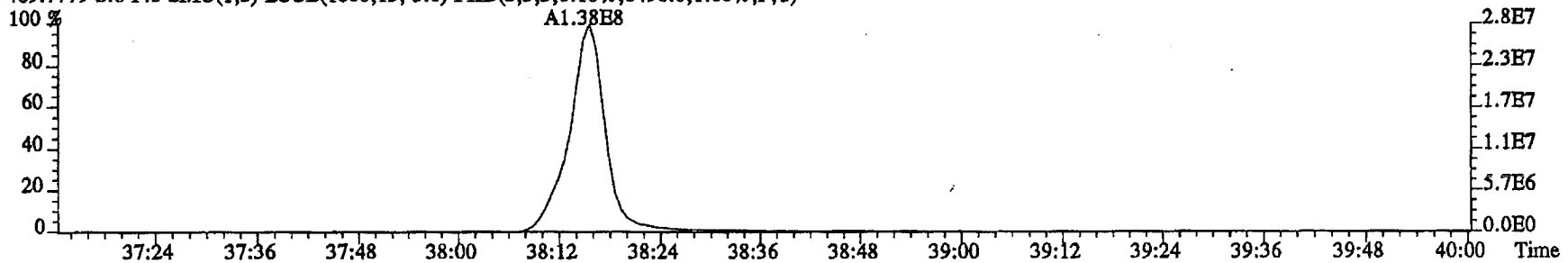
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8120.0,1.00%,F,T)



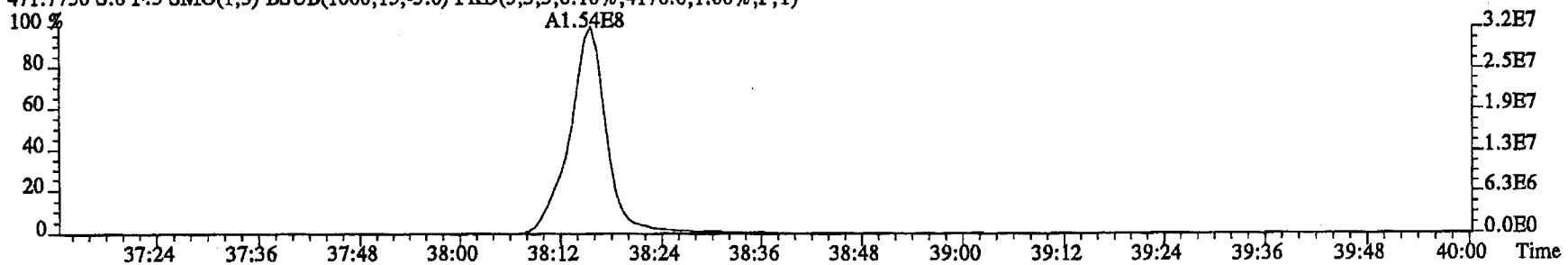
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14416.0,1.00%,F,T)

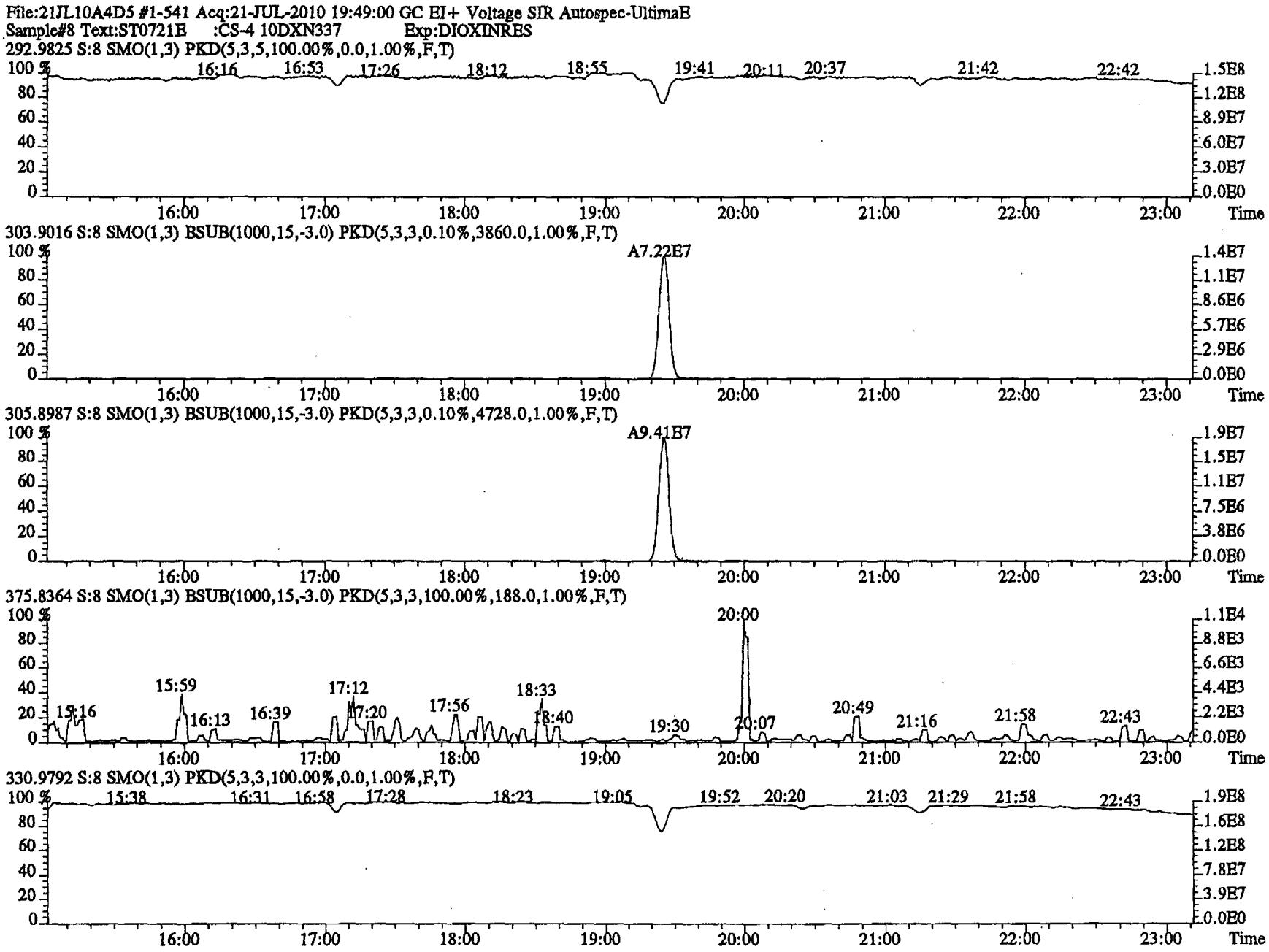


469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8496.0,1.00%,F,T)

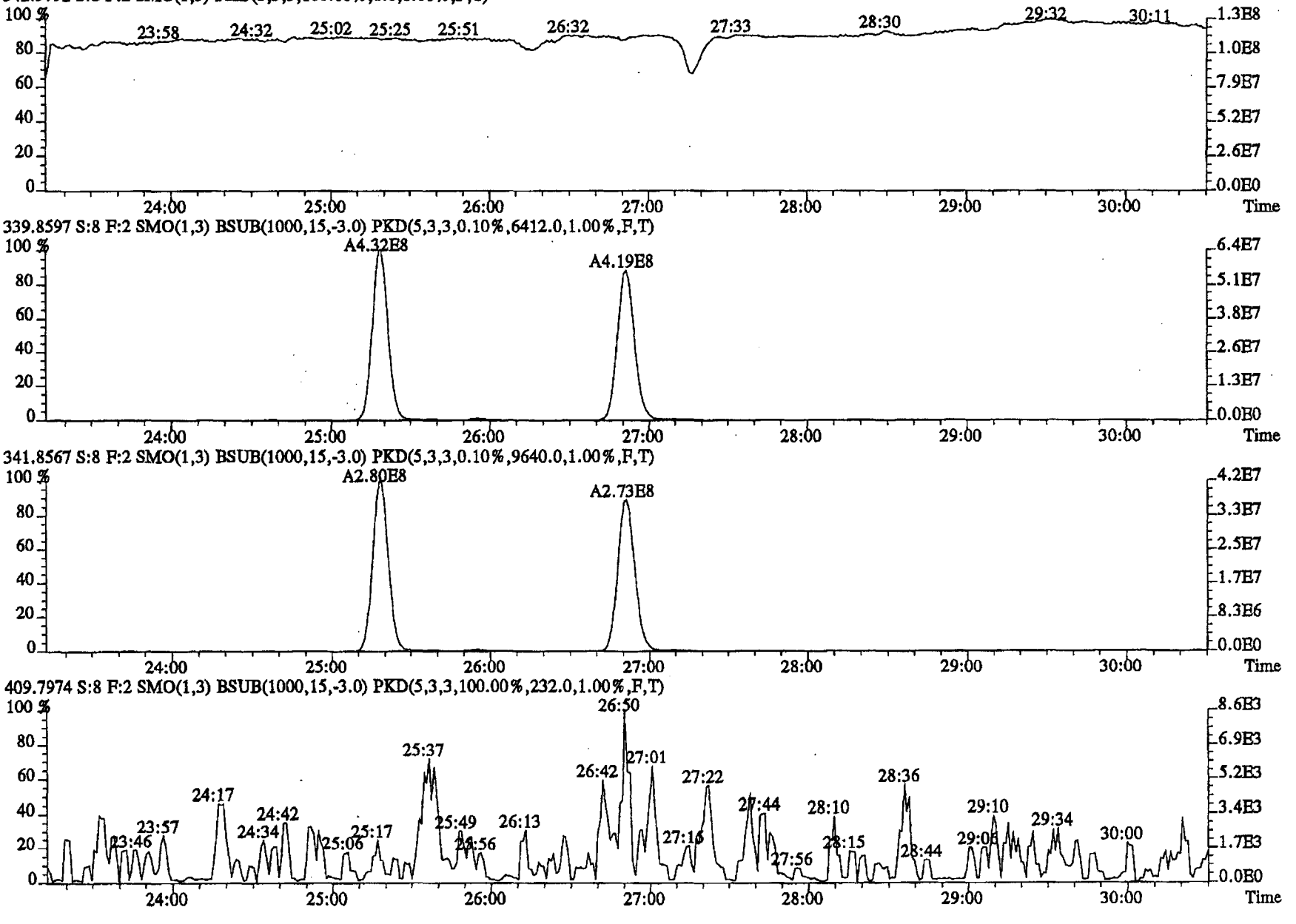


471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)

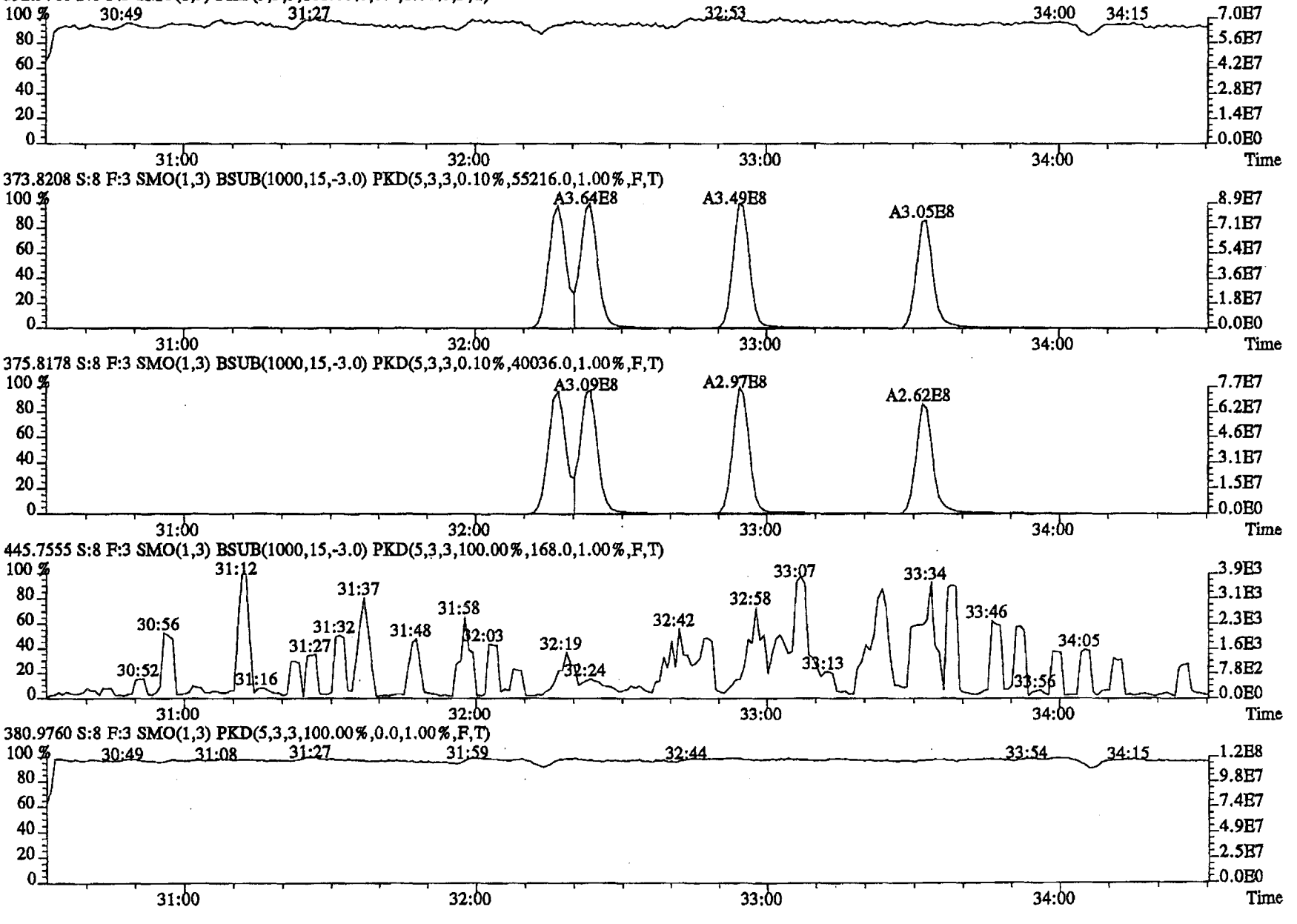




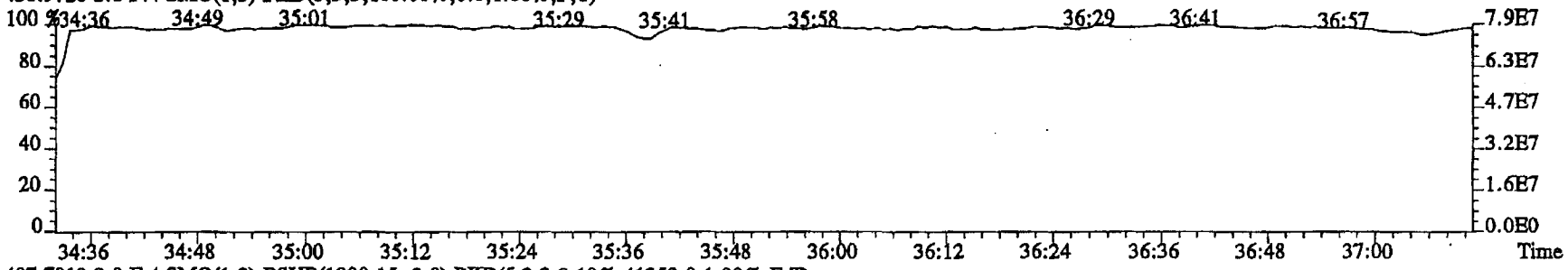
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

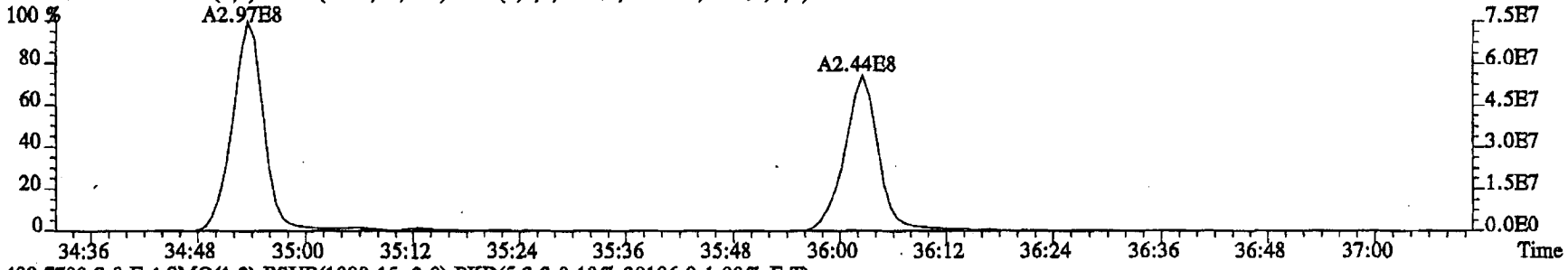


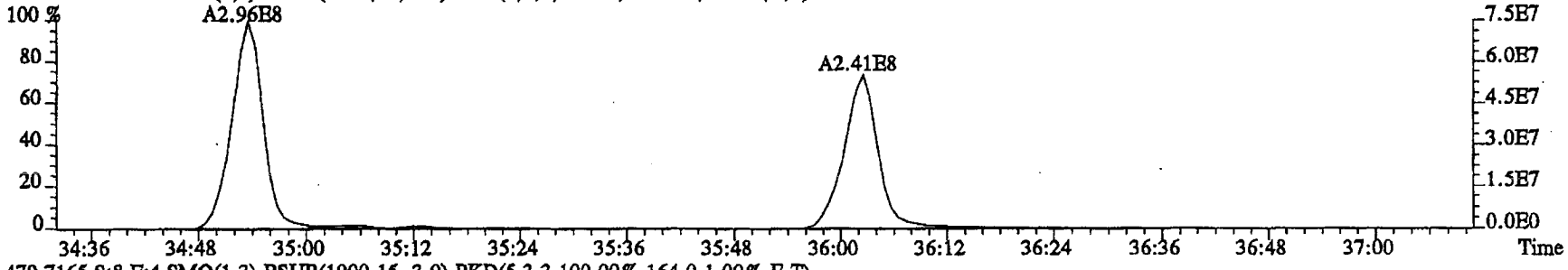
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

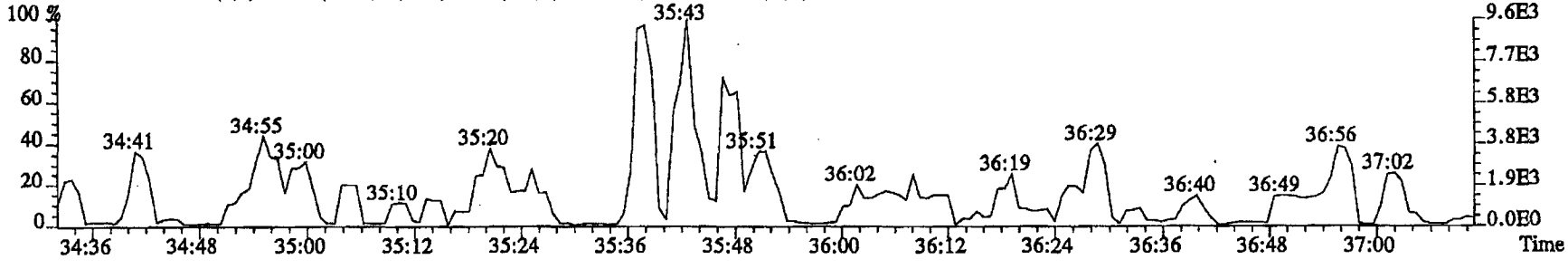


File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

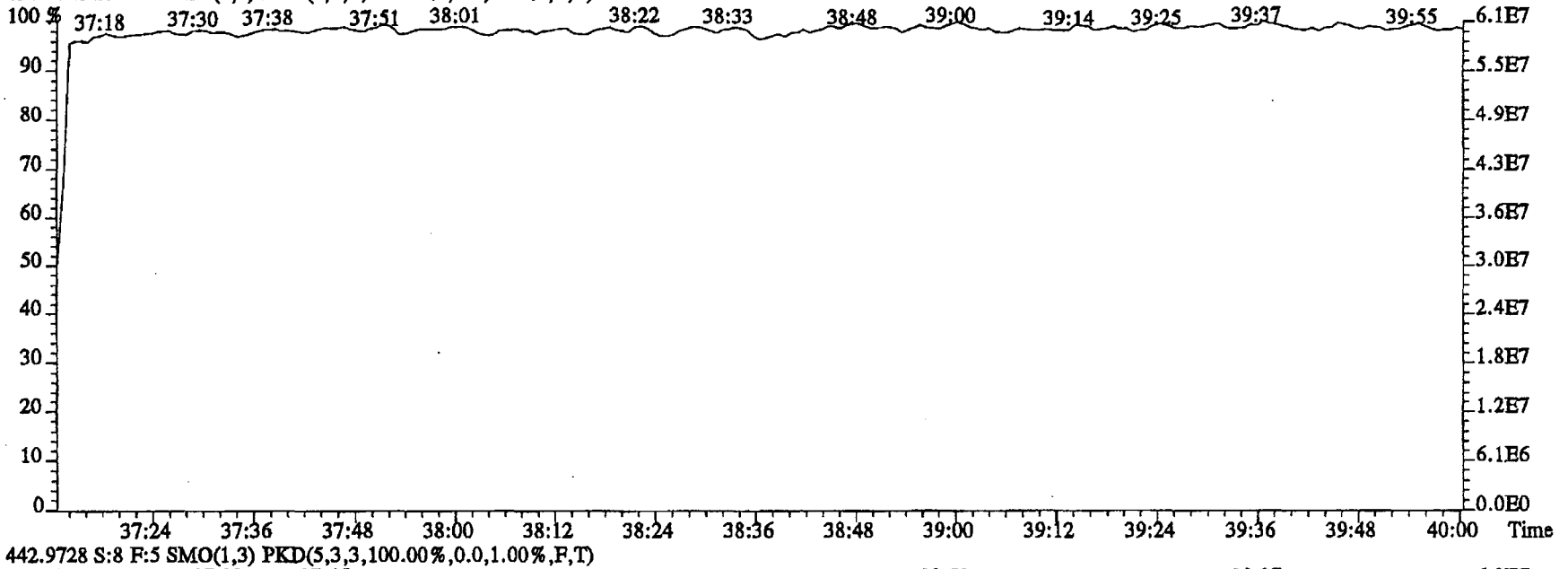




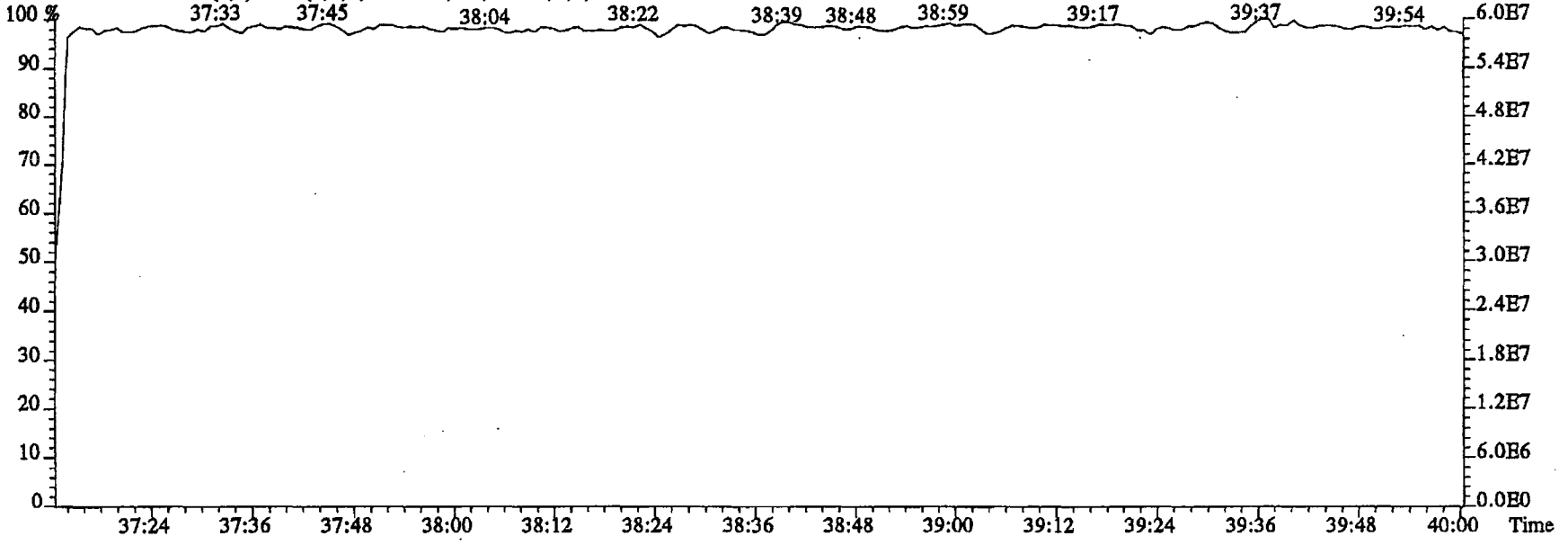




File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

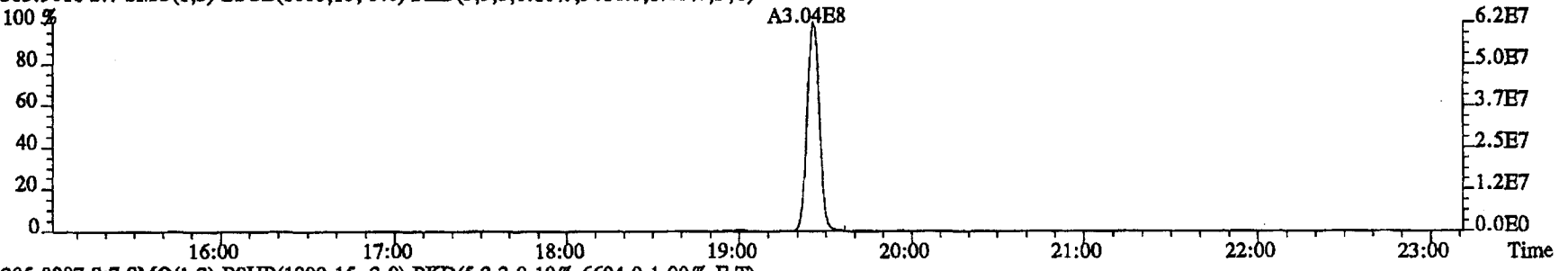


442.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

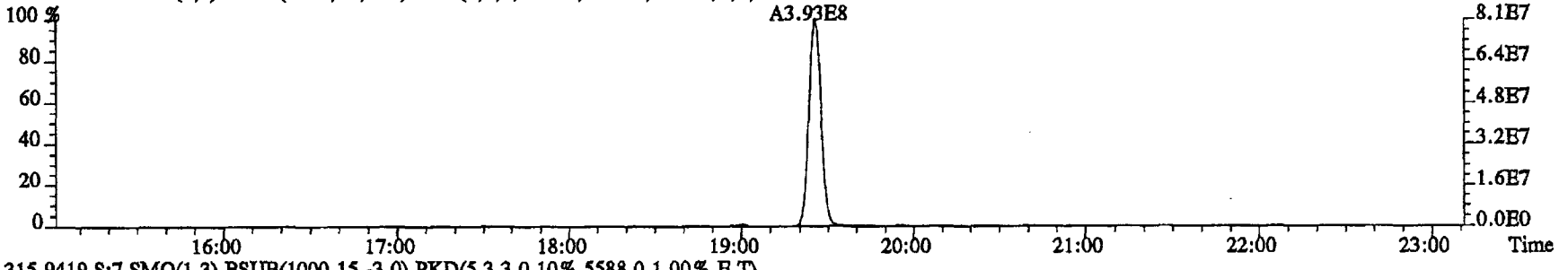


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

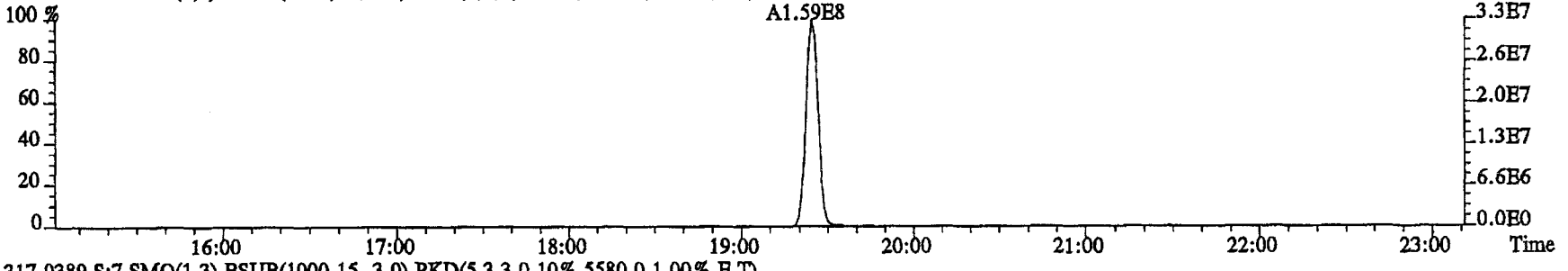
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3616.0,1.00%,F,T)



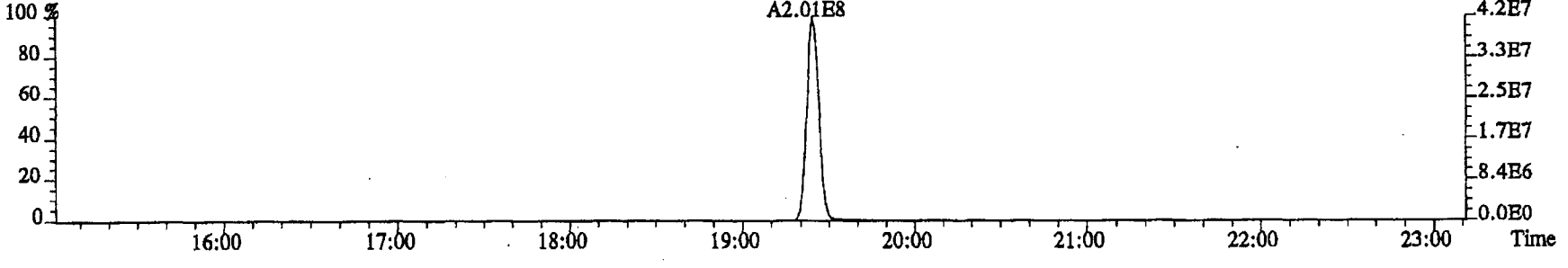
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6604.0,1.00%,F,T)



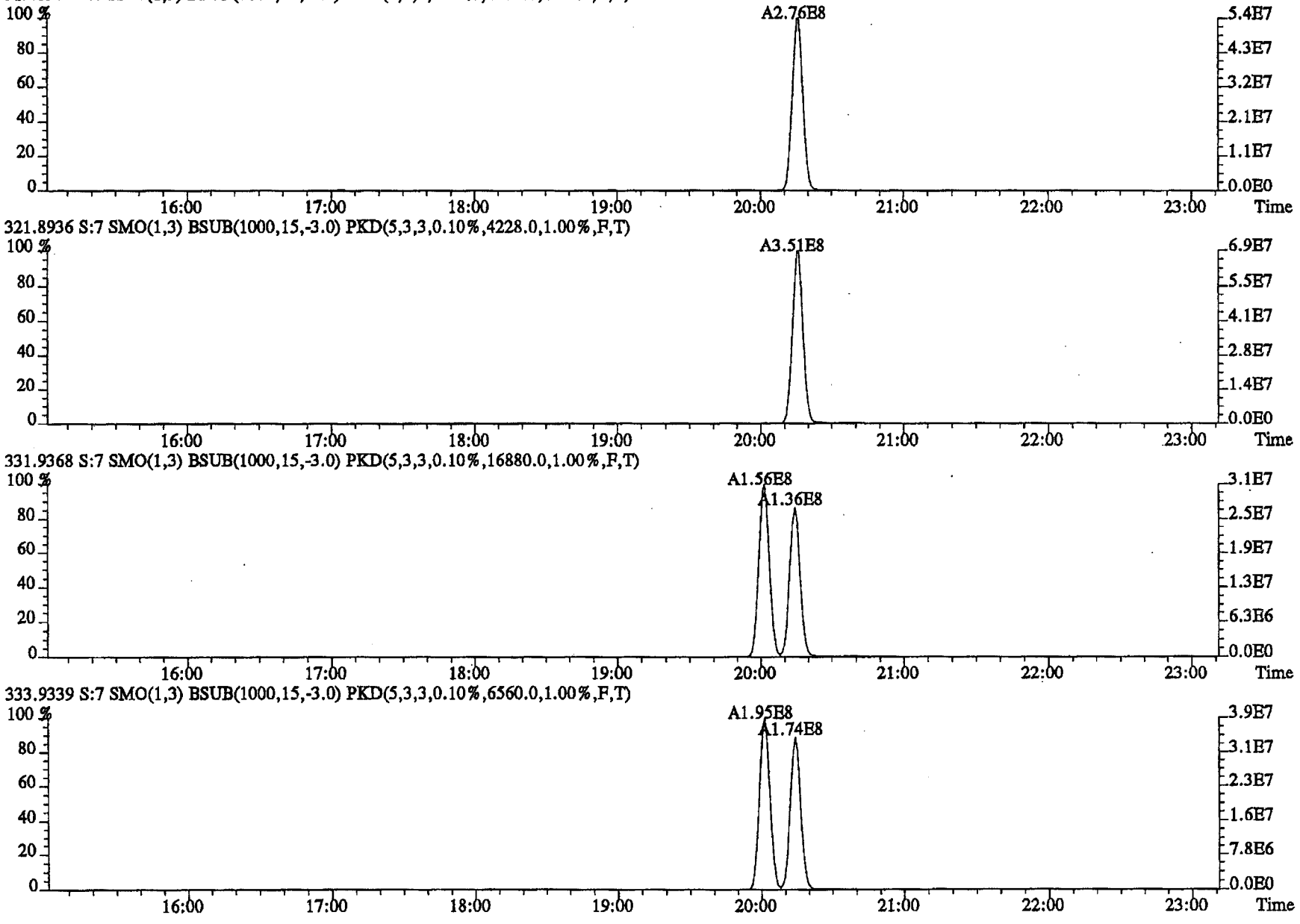
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5588.0,1.00%,F,T)



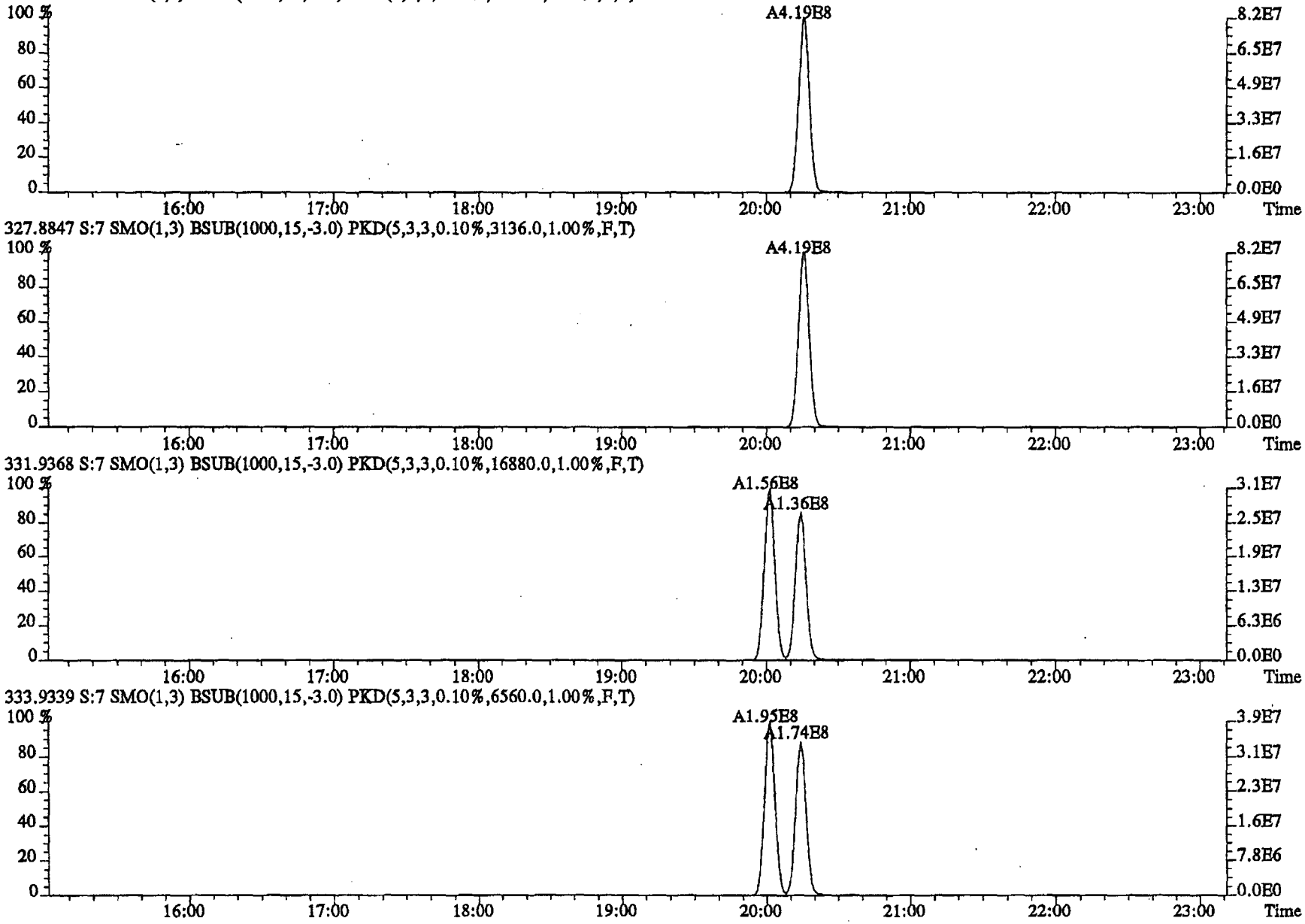
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5580.0,1.00%,F,T)



File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

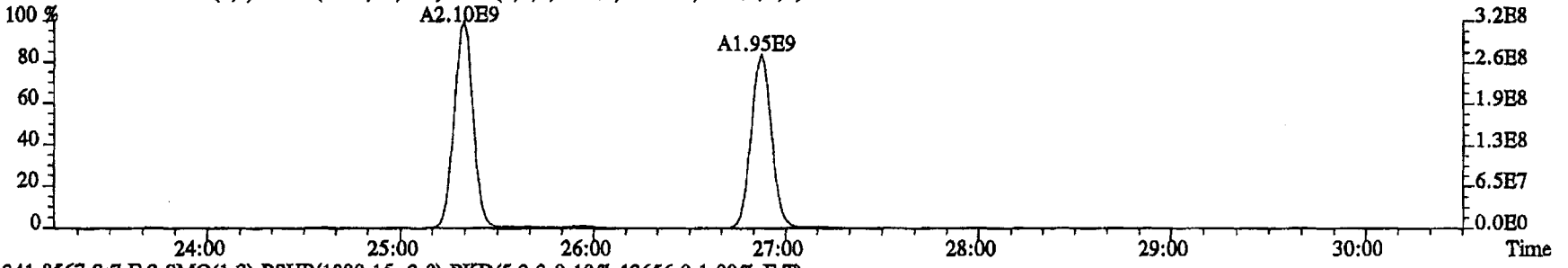


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

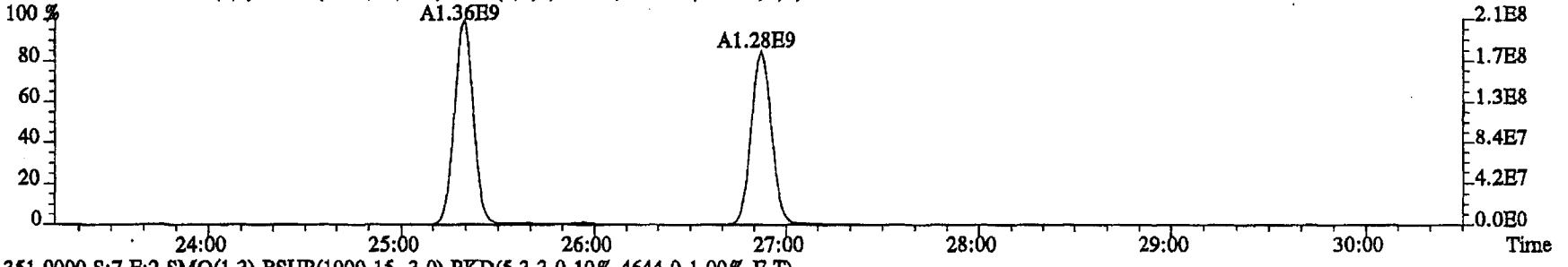


File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

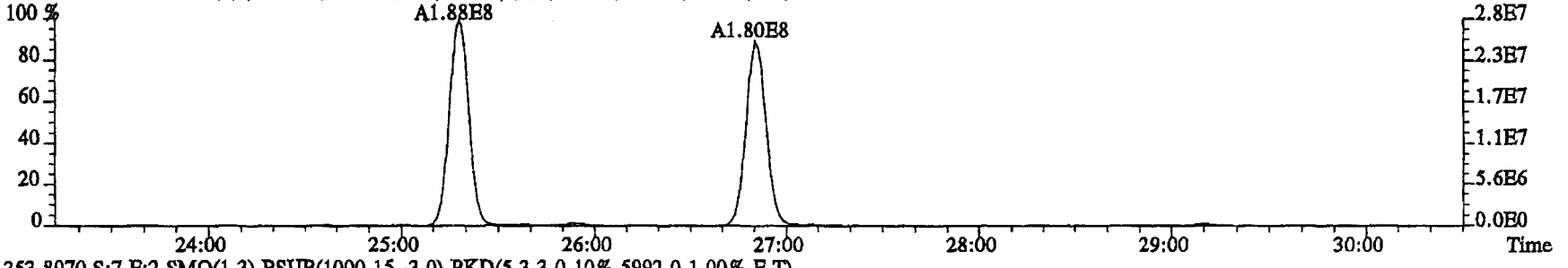
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26980.0,1.00%,F,T)



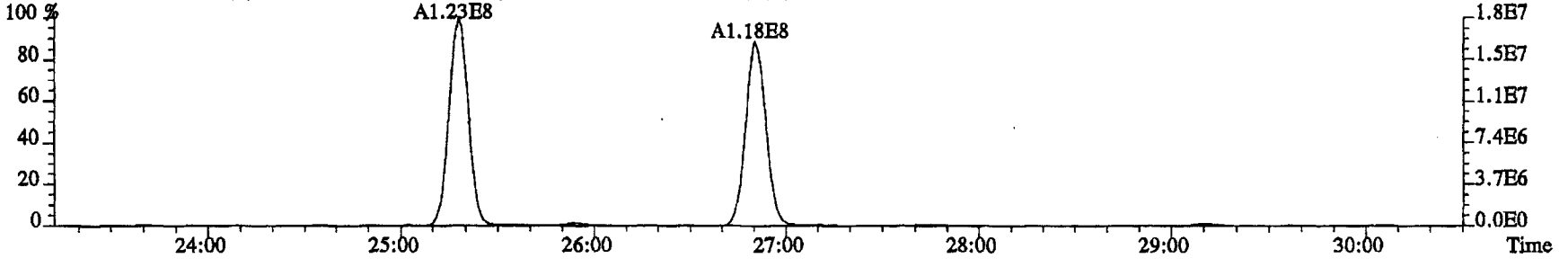
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13656.0,1.00%,F,T)



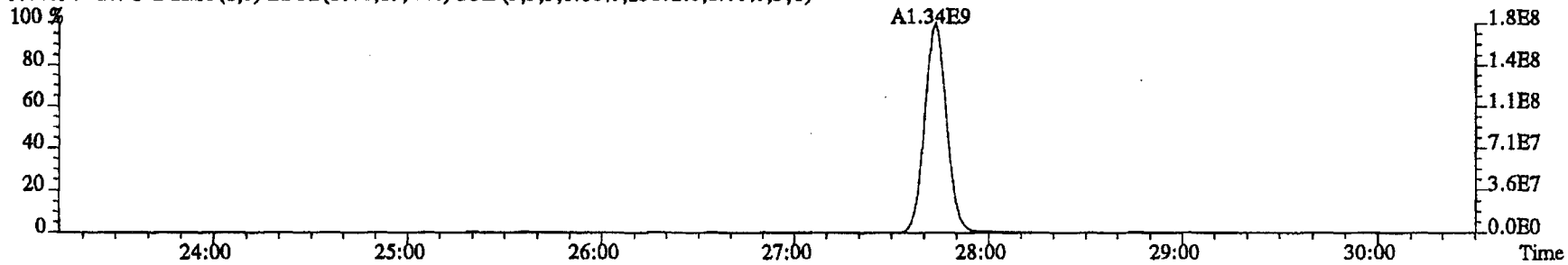
351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4644.0,1.00%,F,T)



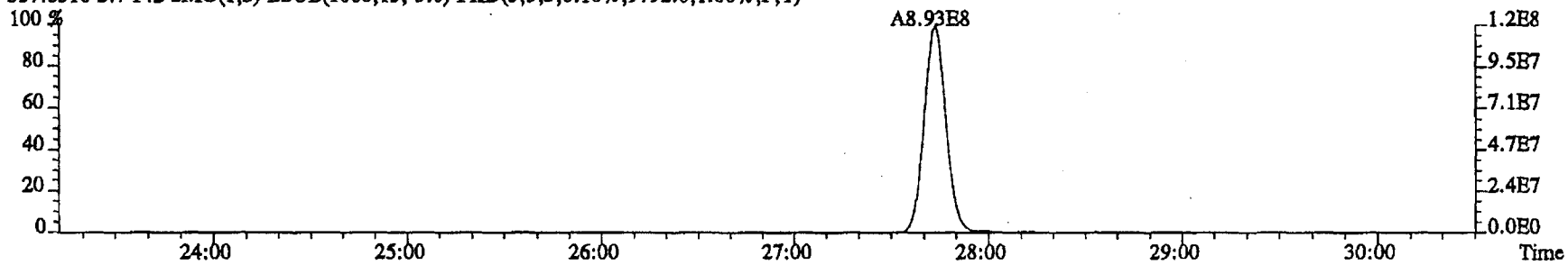
353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5992.0,1.00%,F,T)



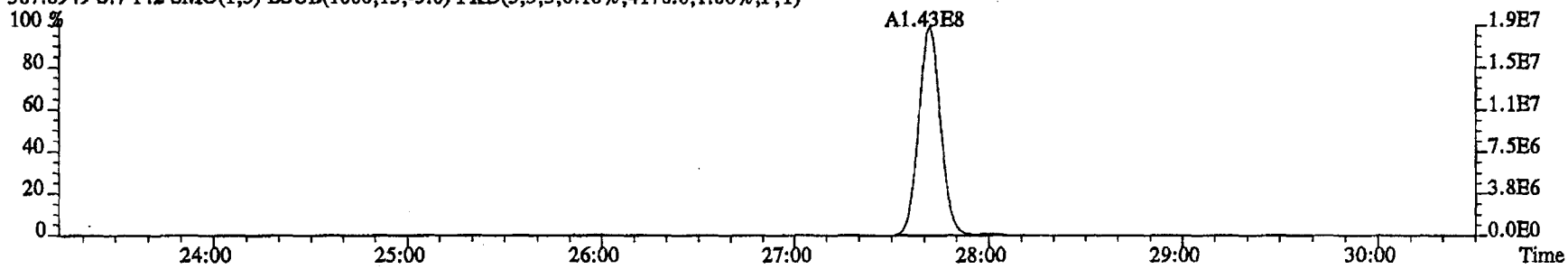
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25872.0,1.00%,F,T)



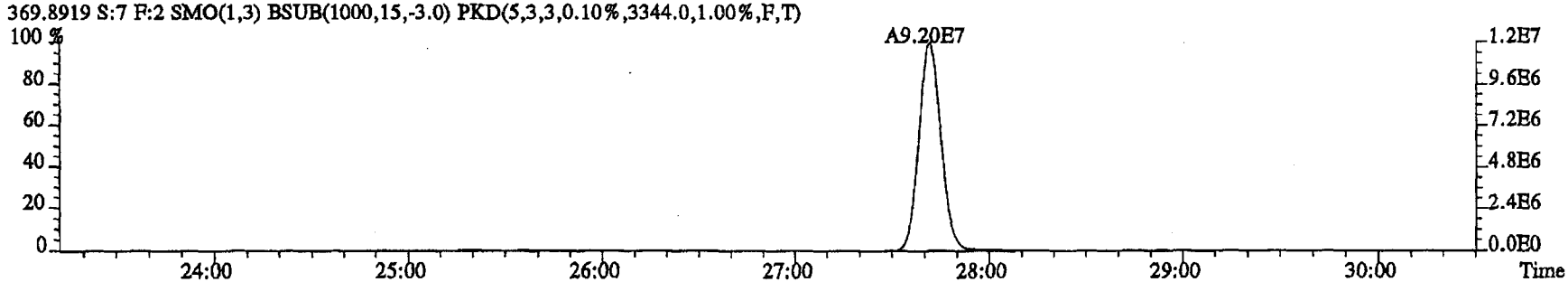
357.8516 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9792.0,1.00%,F,T)



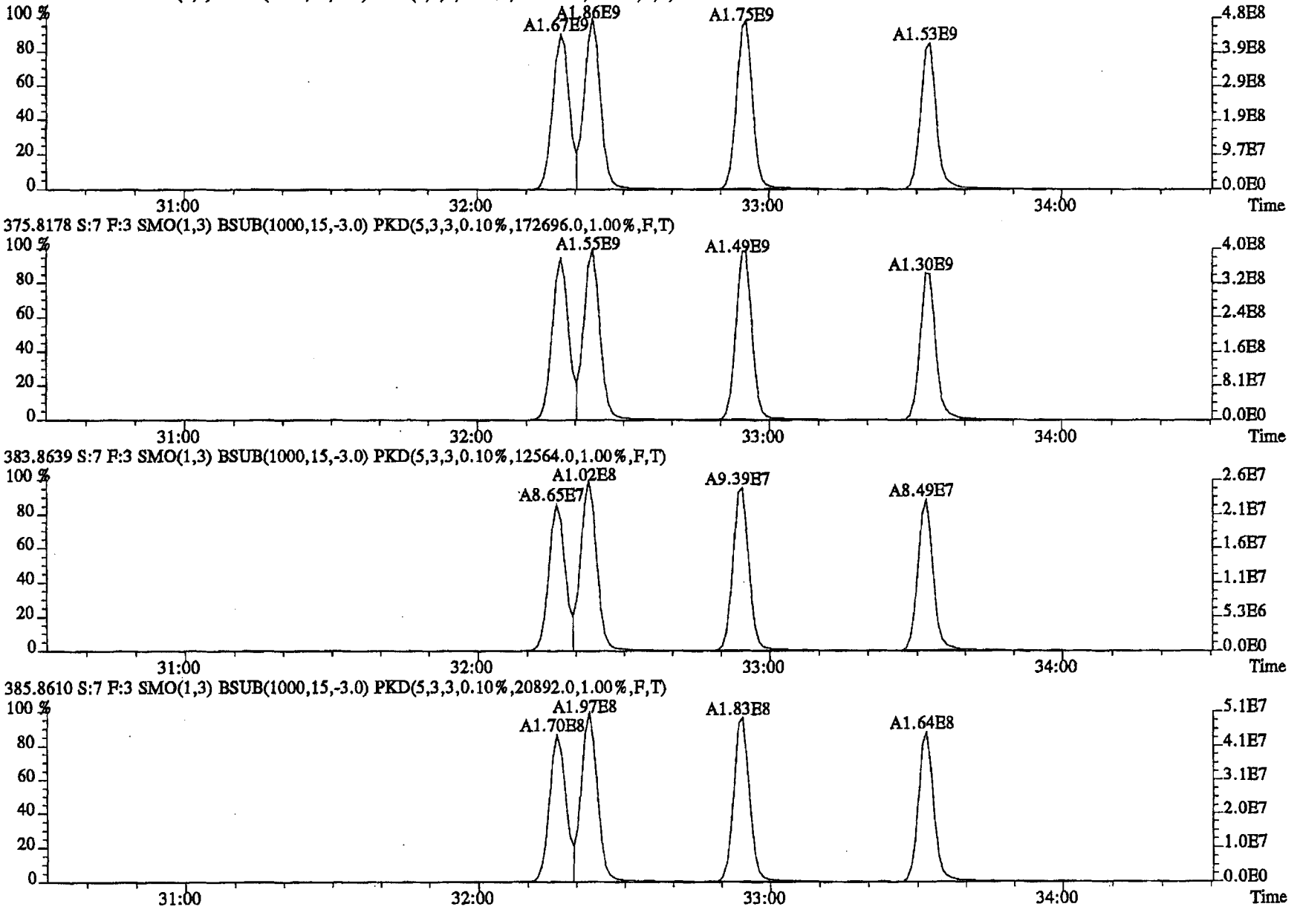
367.8949 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)



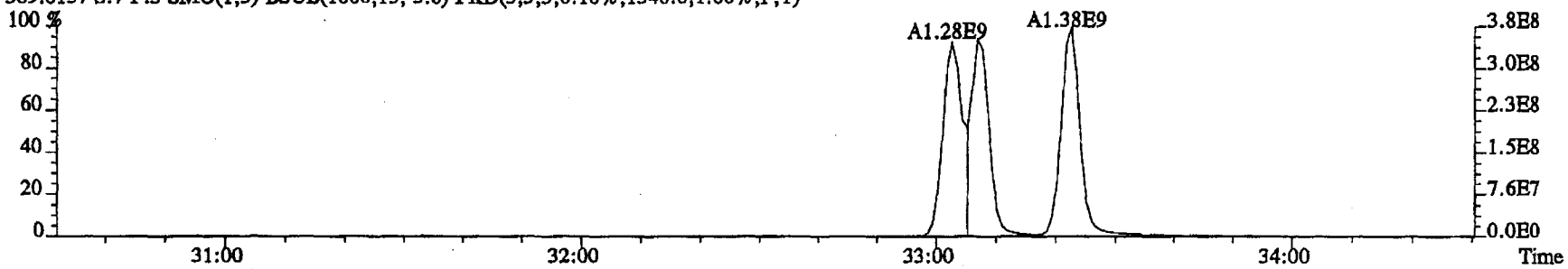
369.8919 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3344.0,1.00%,F,T)

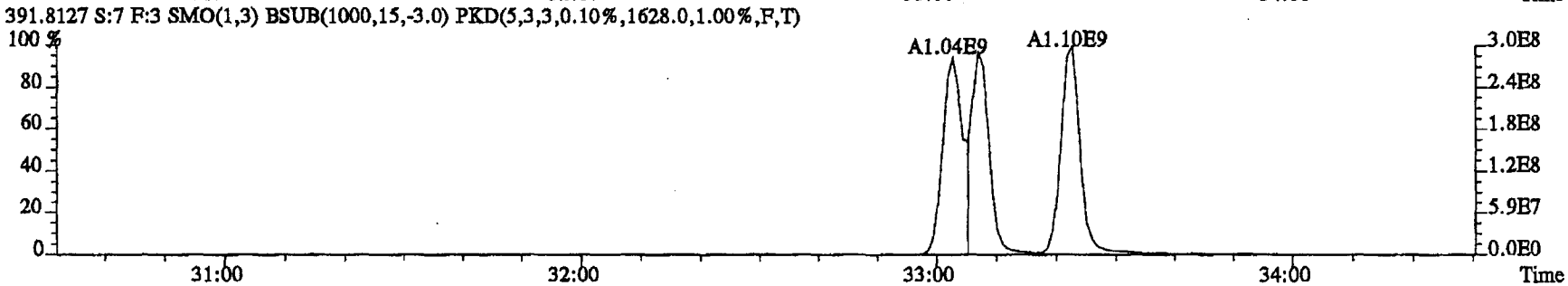


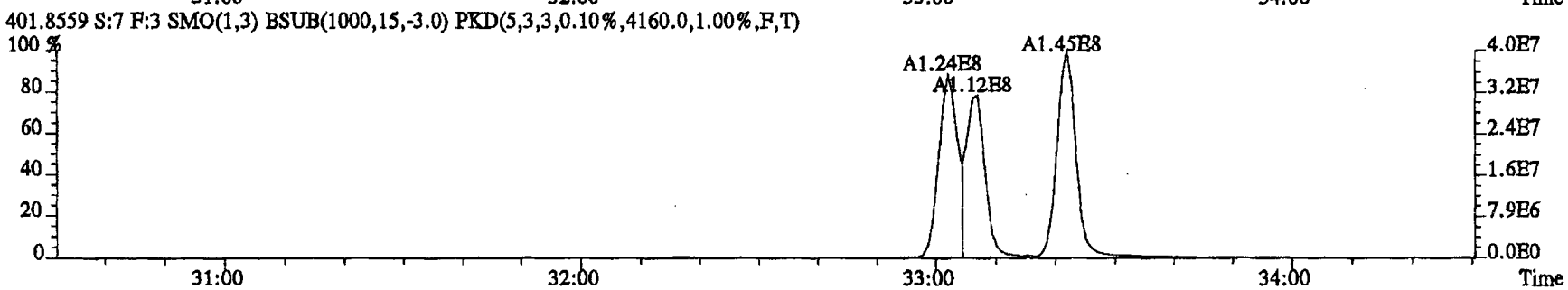
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

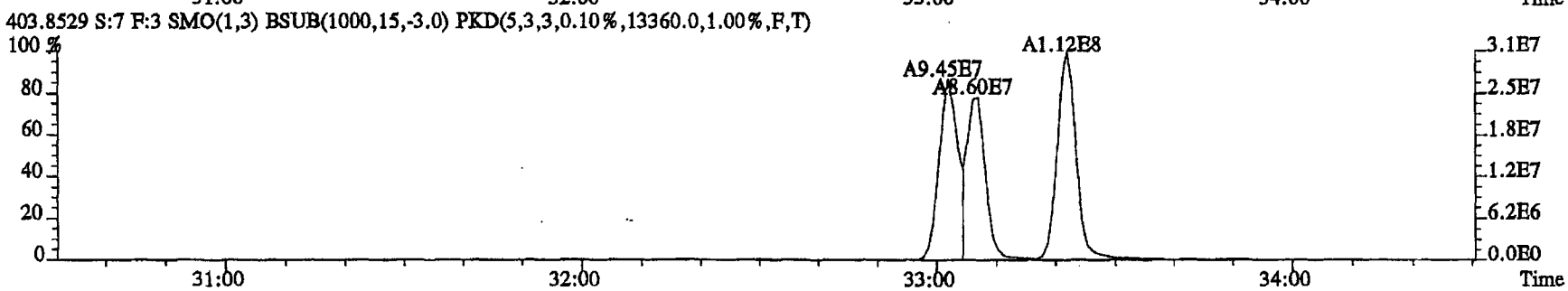


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

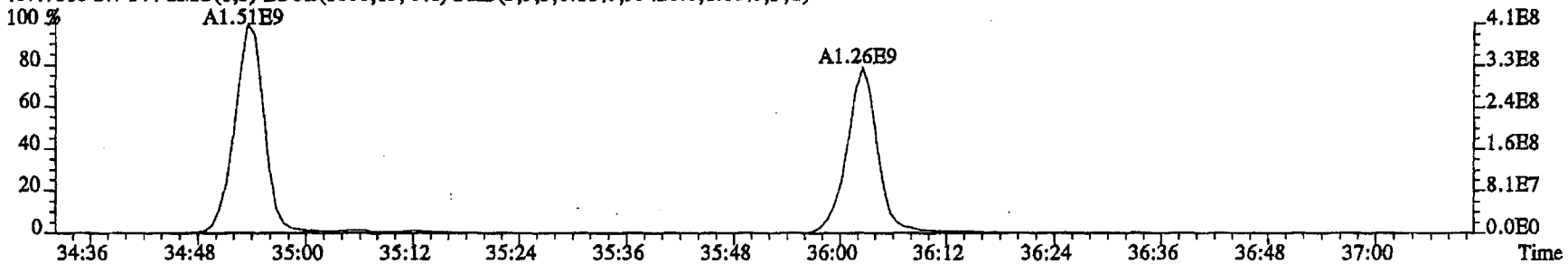




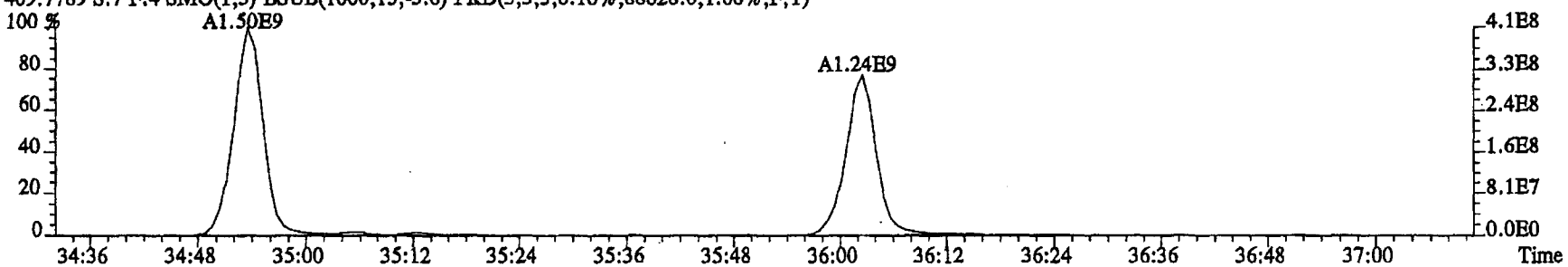




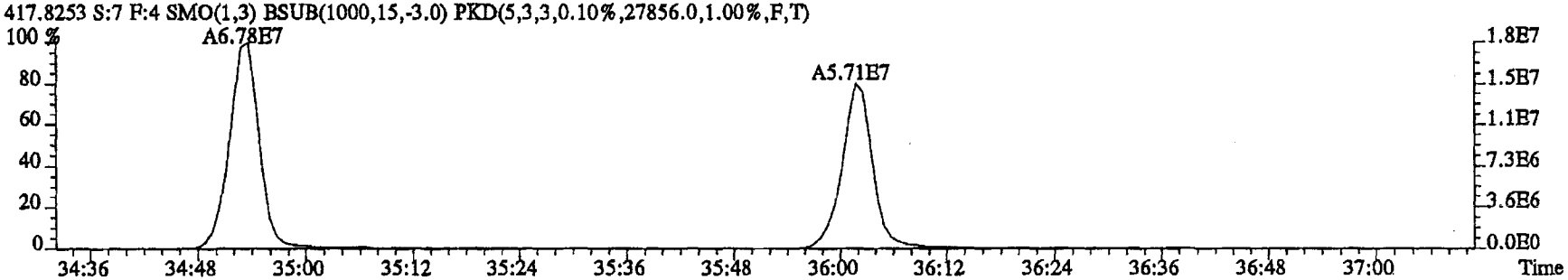
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99420.0,1.00%,F,T)



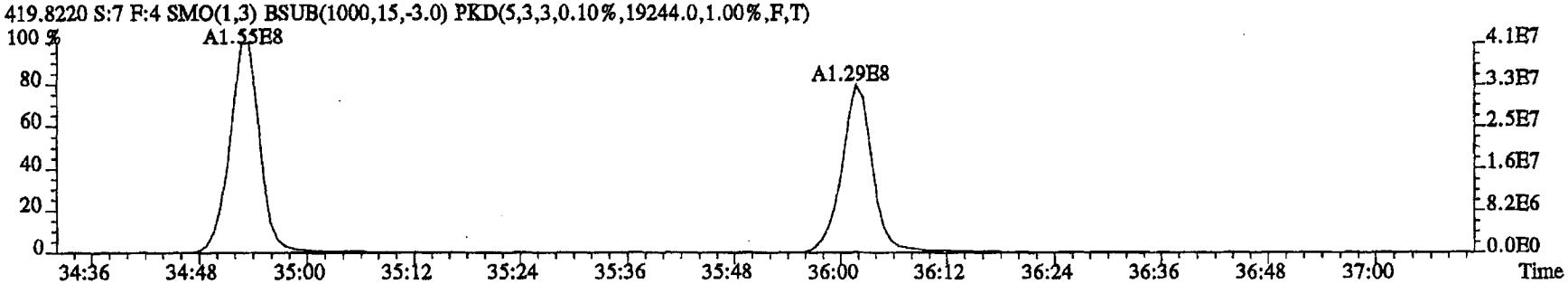
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88028.0,1.00%,F,T)



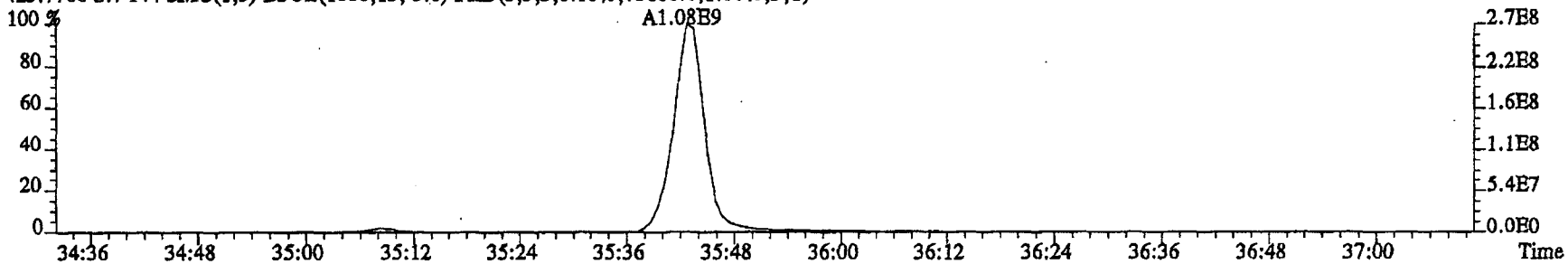
417.8253 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27856.0,1.00%,F,T)



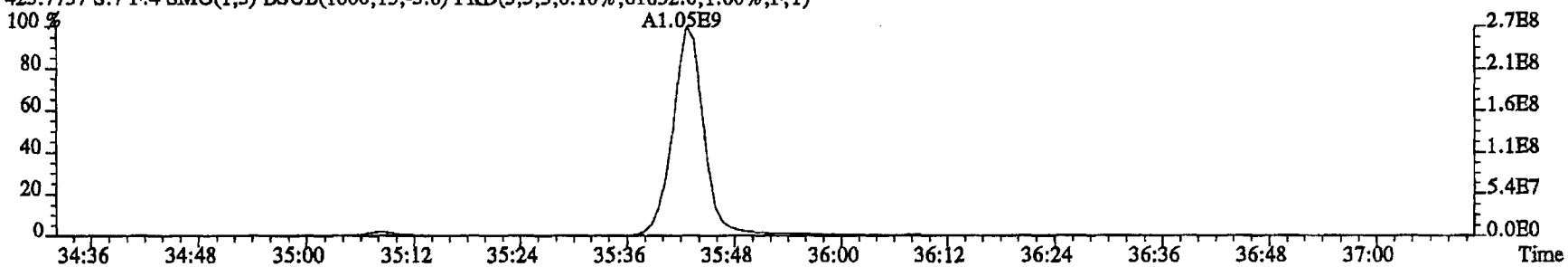
419.8220 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19244.0,1.00%,F,T)



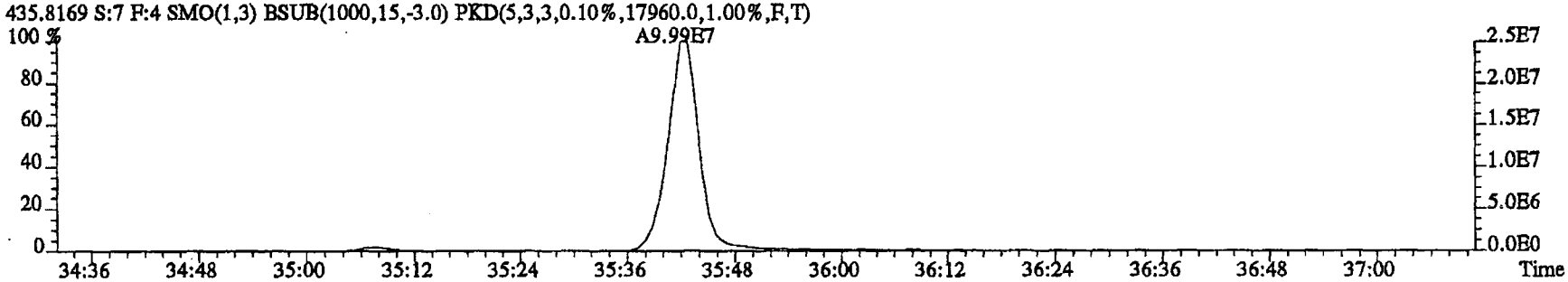
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,75680.0,1.00%,F,T)



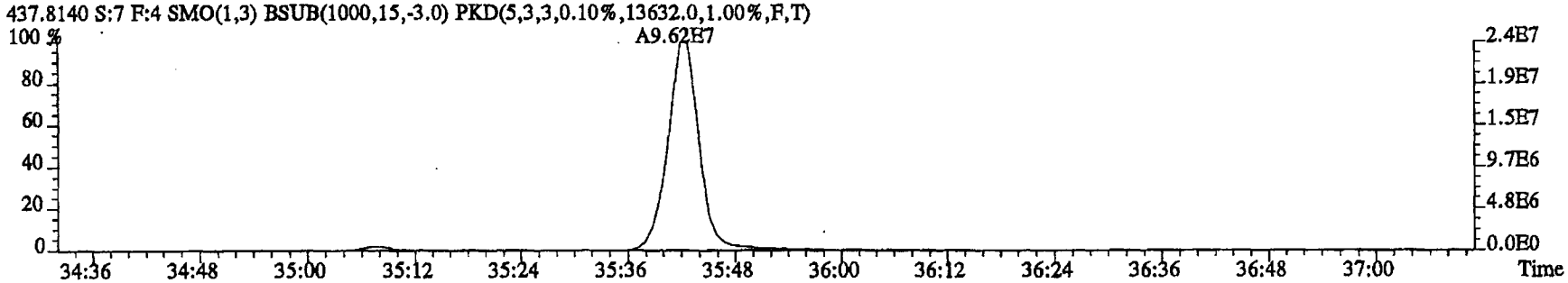
425.7737 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,61652.0,1.00%,F,T)



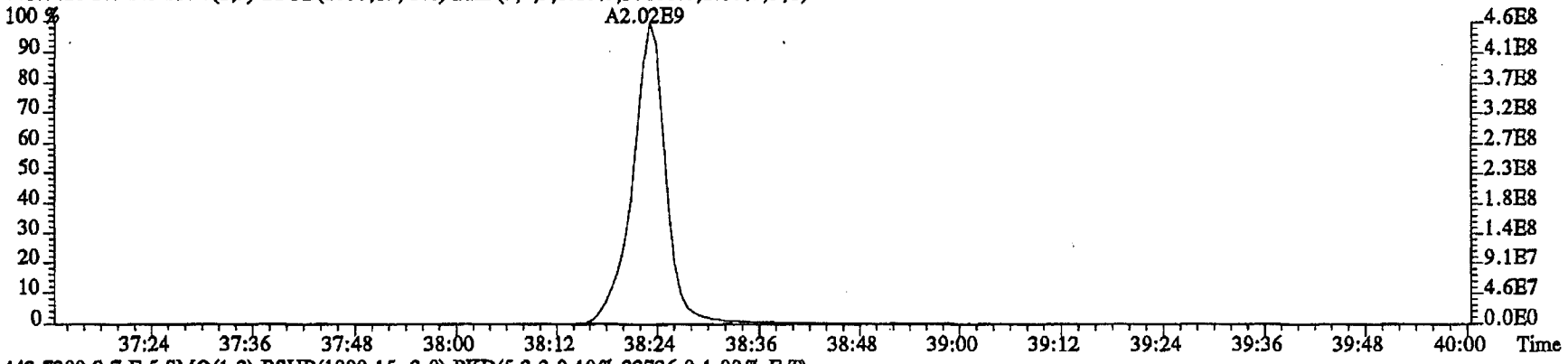
435.8169 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17960.0,1.00%,F,T)



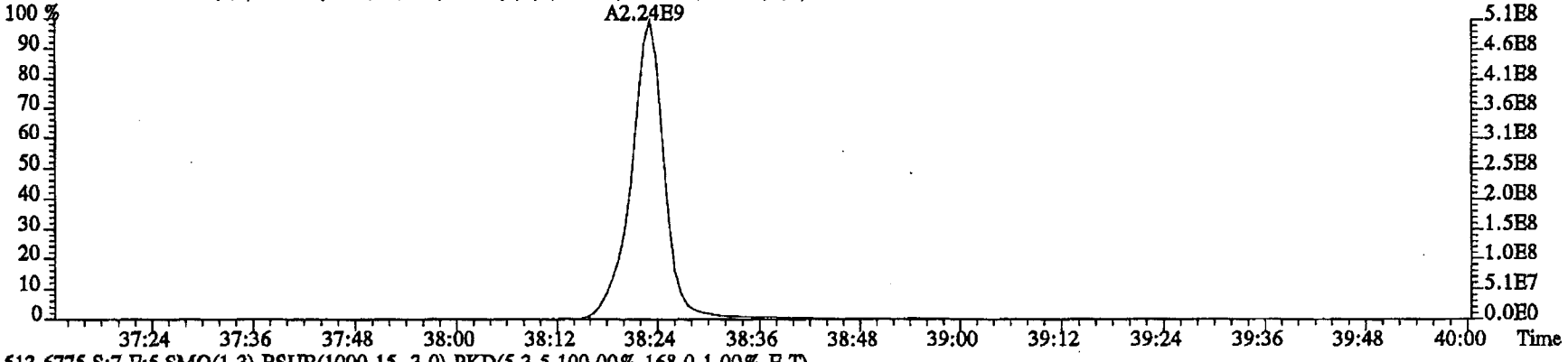
437.8140 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13632.0,1.00%,F,T)



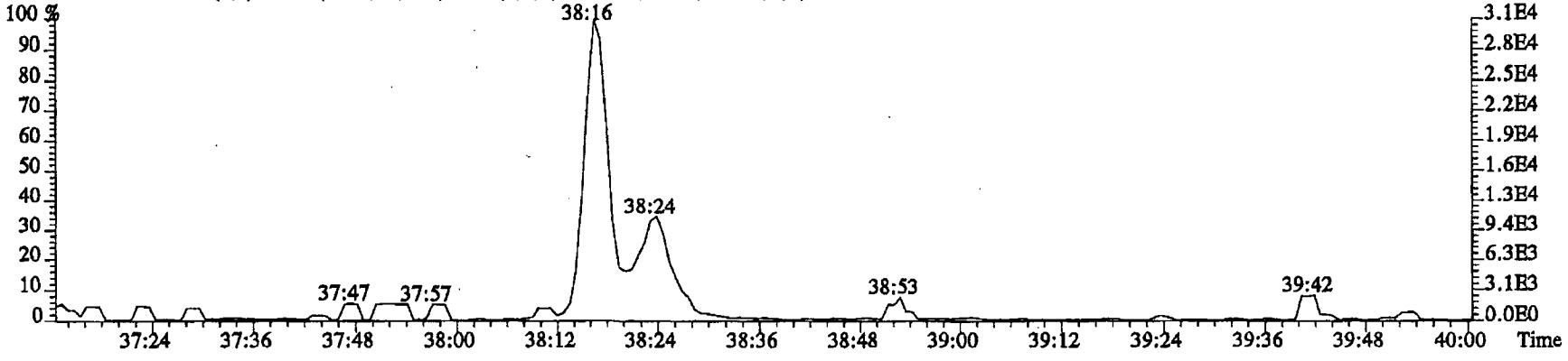
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37688.0,1.00%,F,T)



443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33736.0,1.00%,F,T)

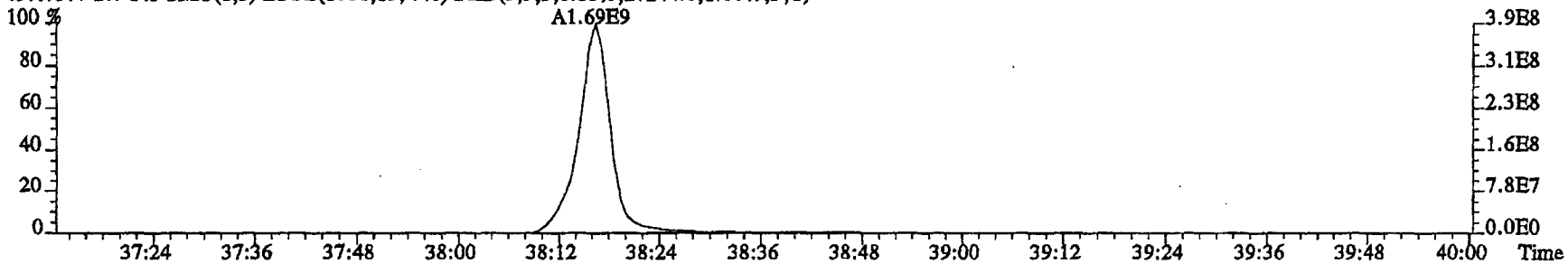


513.6775 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,168.0,1.00%,F,T)

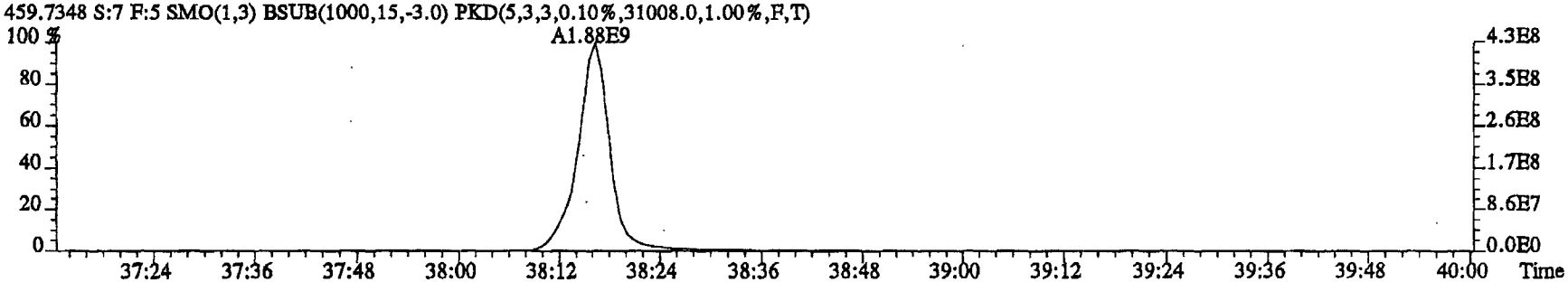


File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

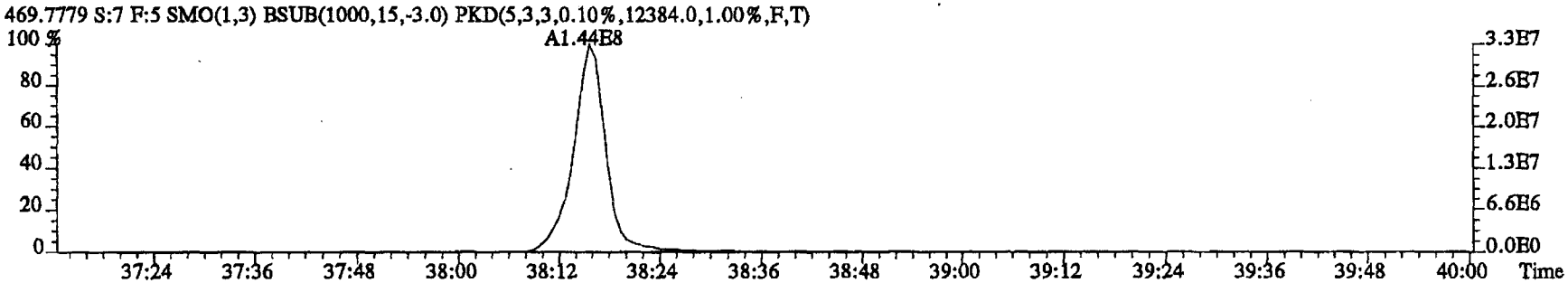
457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27244.0,1.00%,F,T)



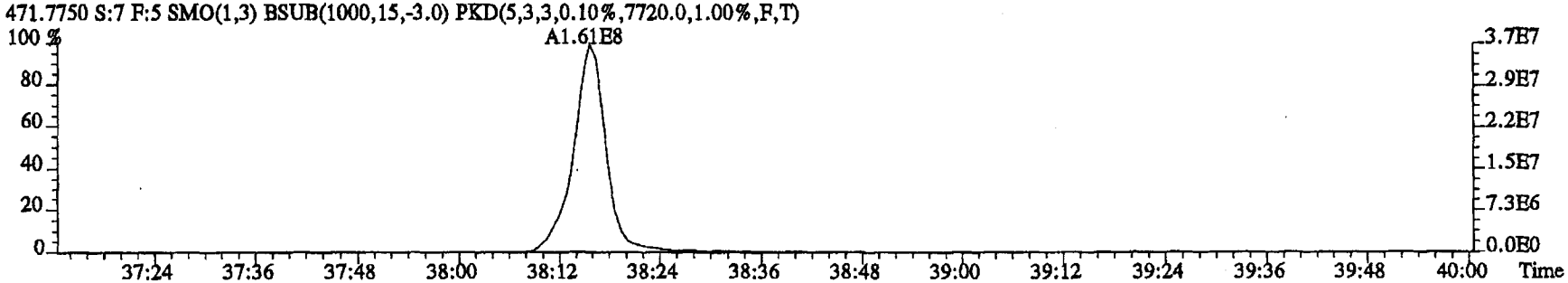
459.7348 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31008.0,1.00%,F,T)



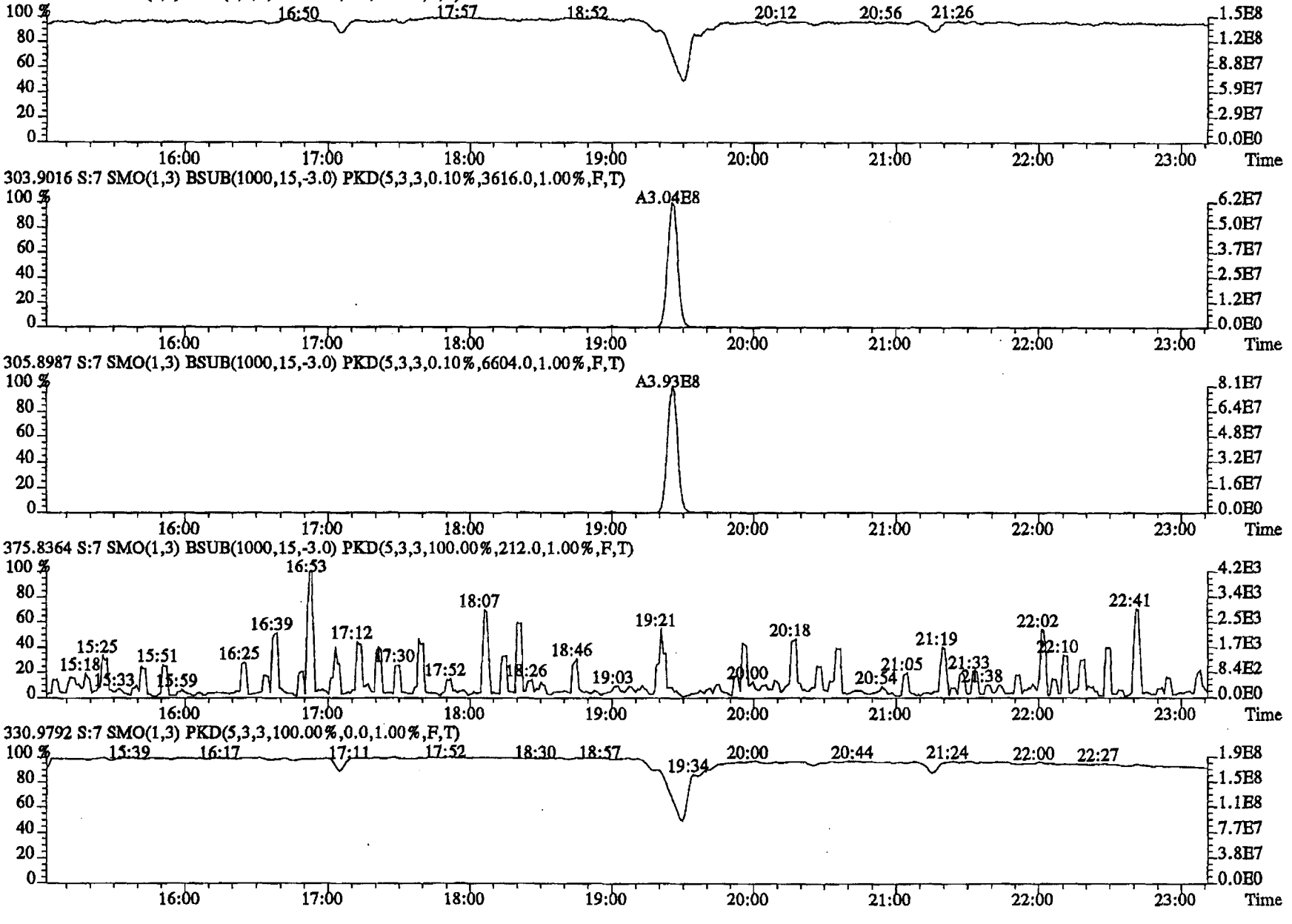
469.7779 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12384.0,1.00%,F,T)



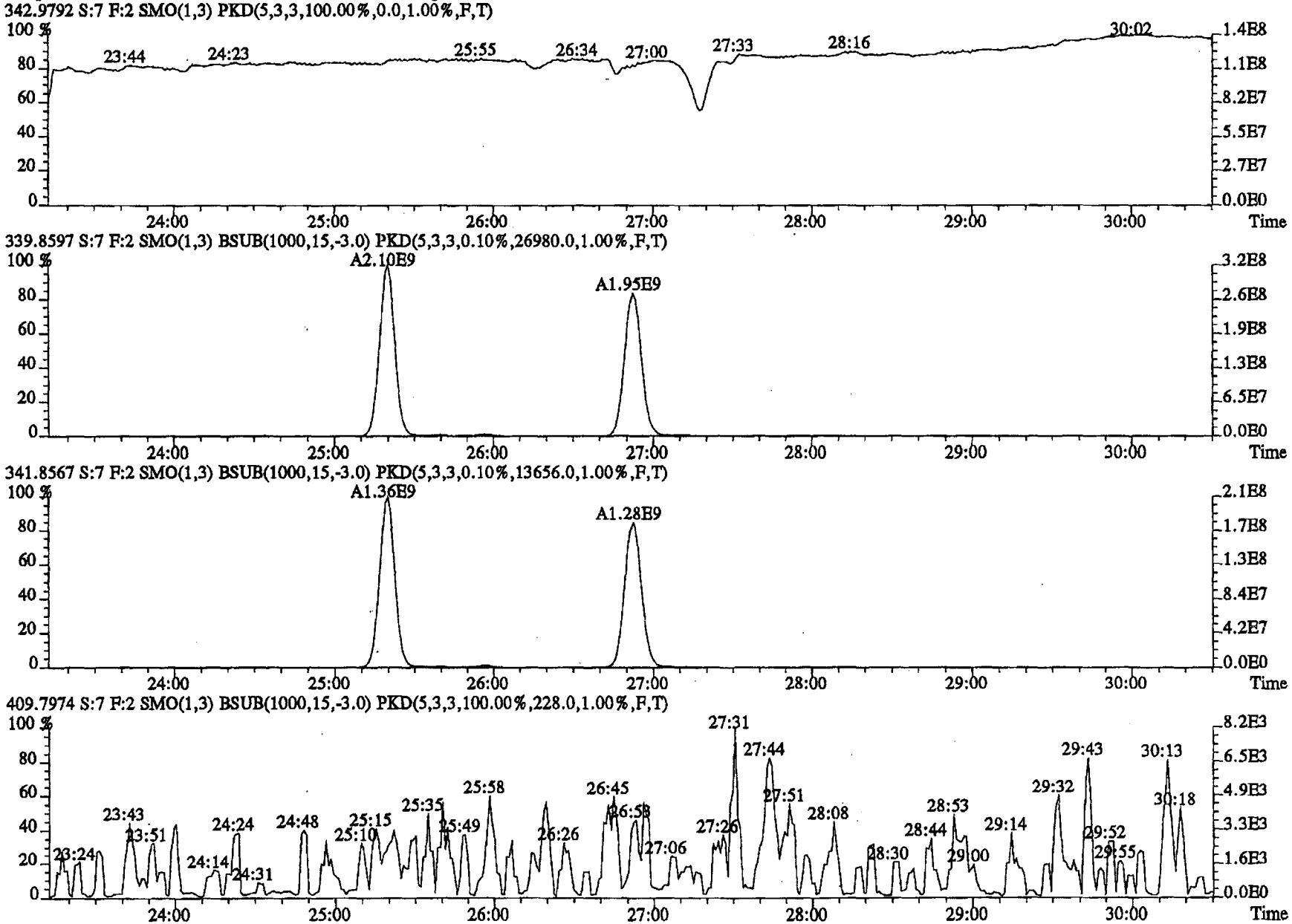
471.7750 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7720.0,1.00%,F,T)



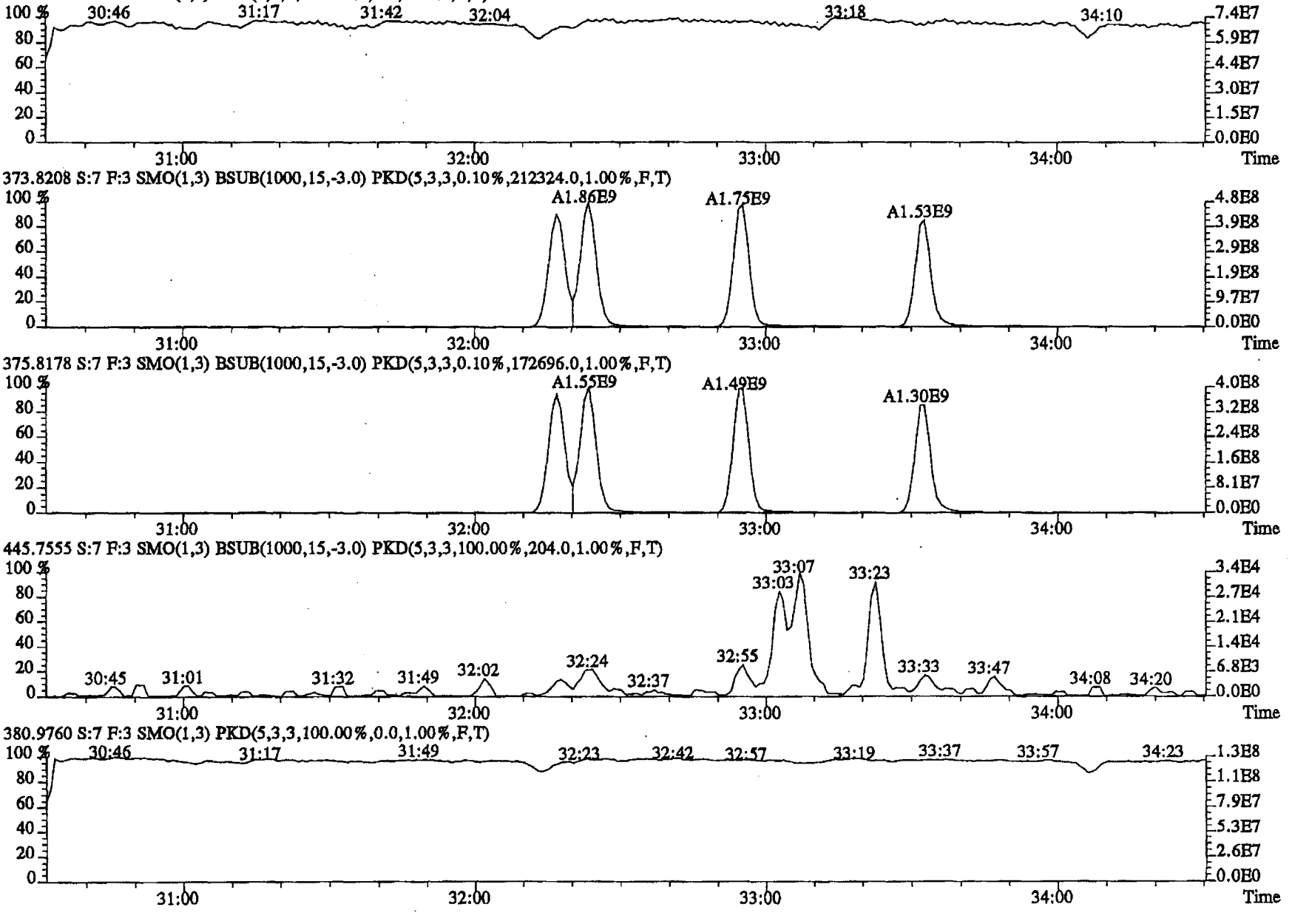
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES



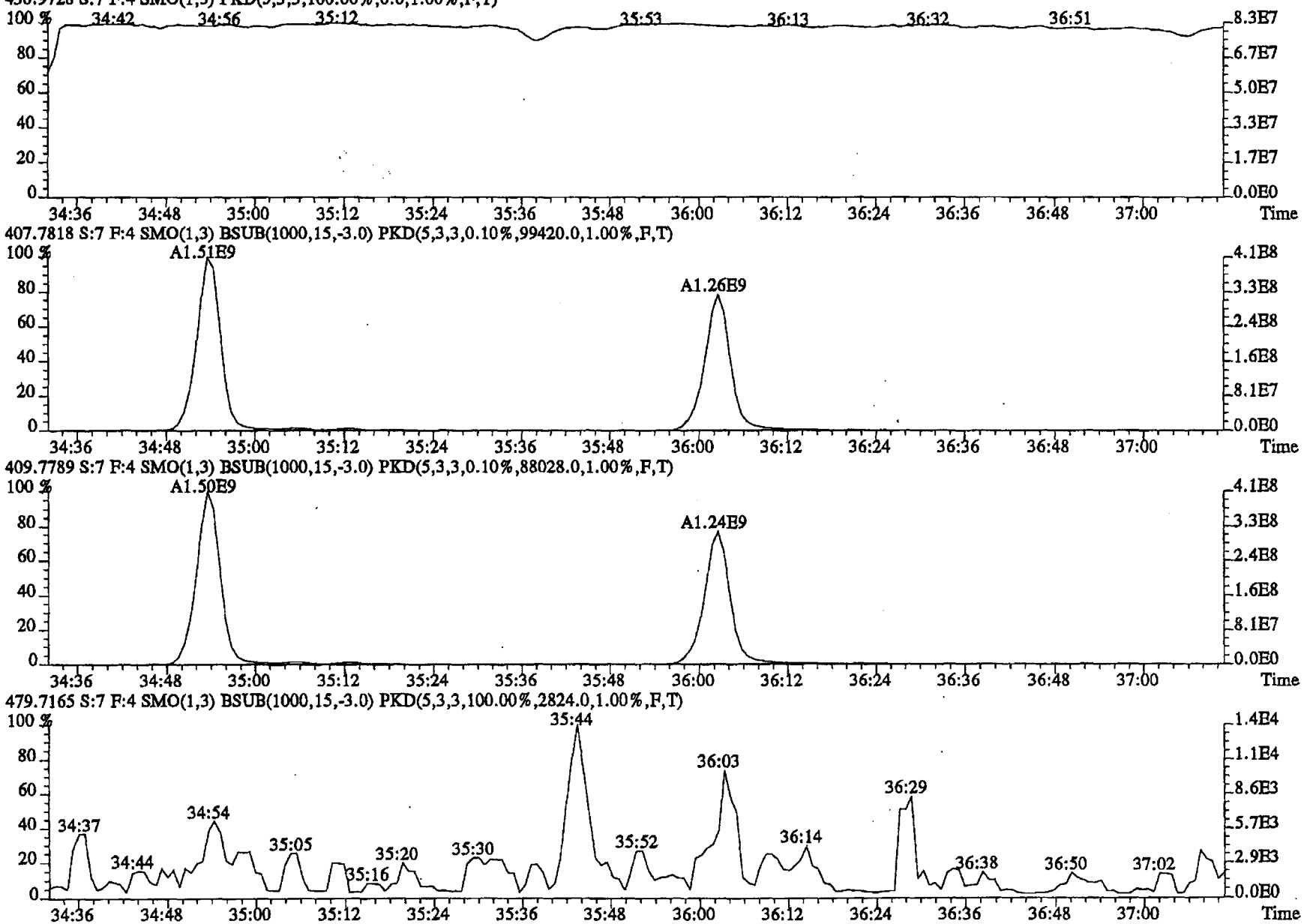
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES



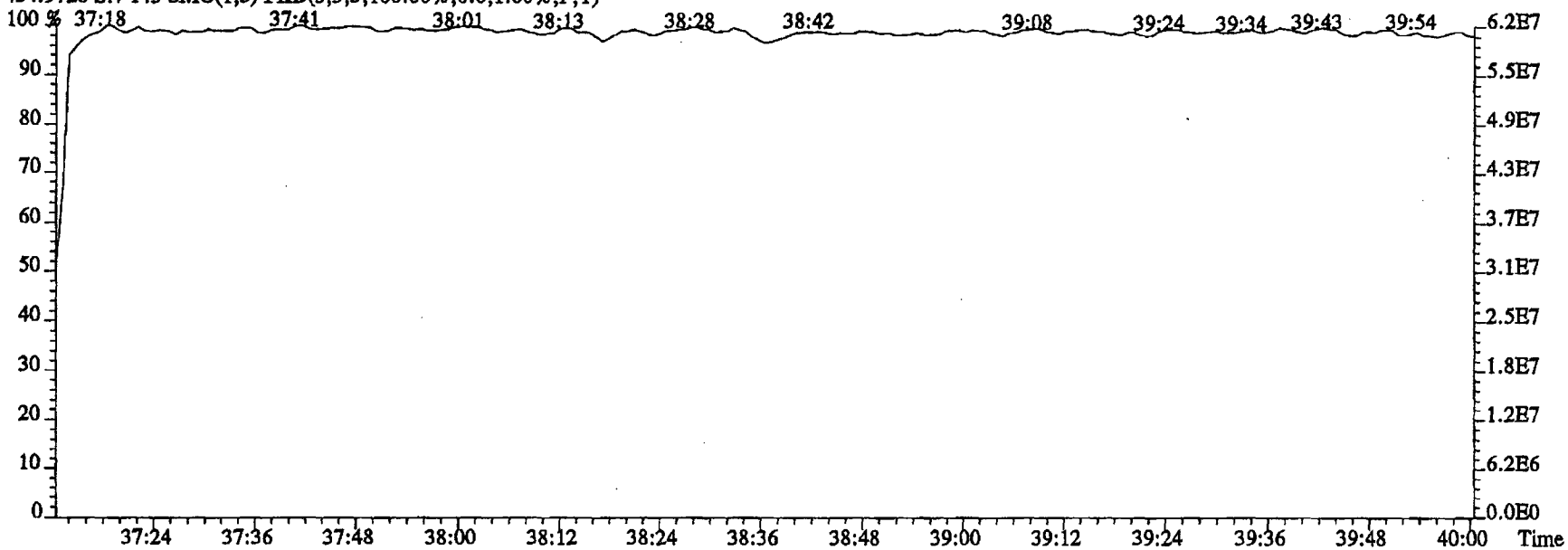
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES



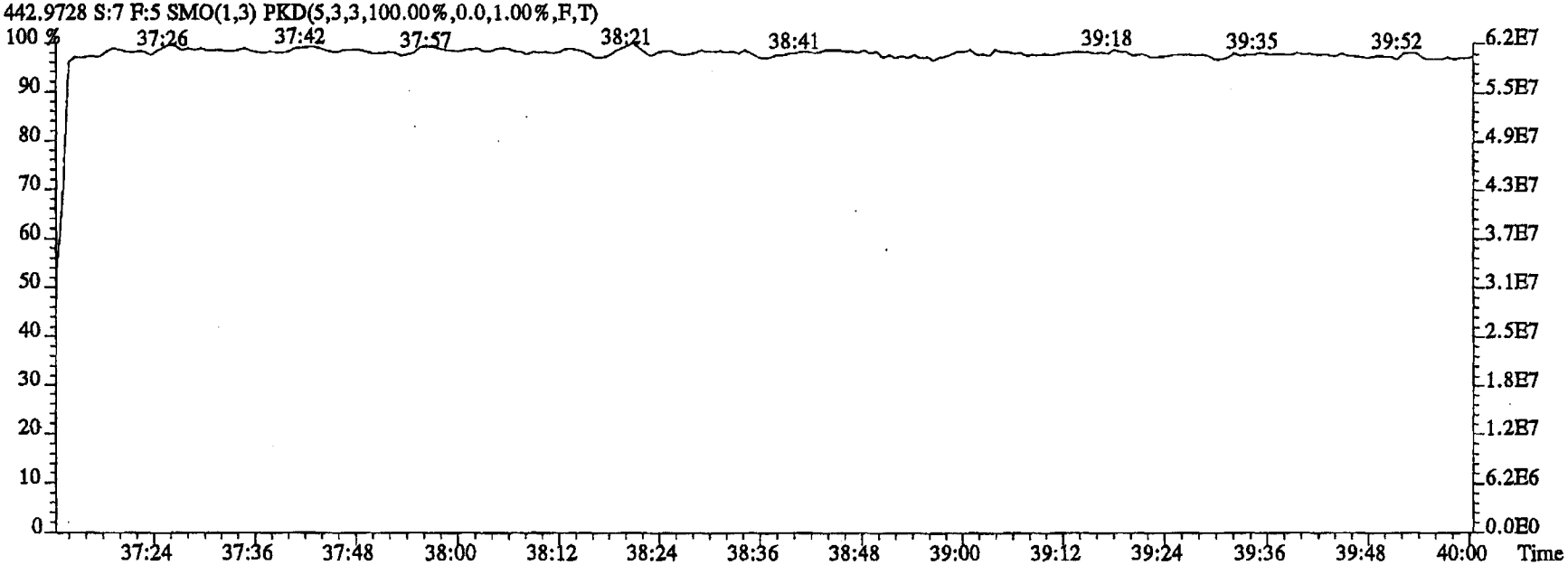
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES



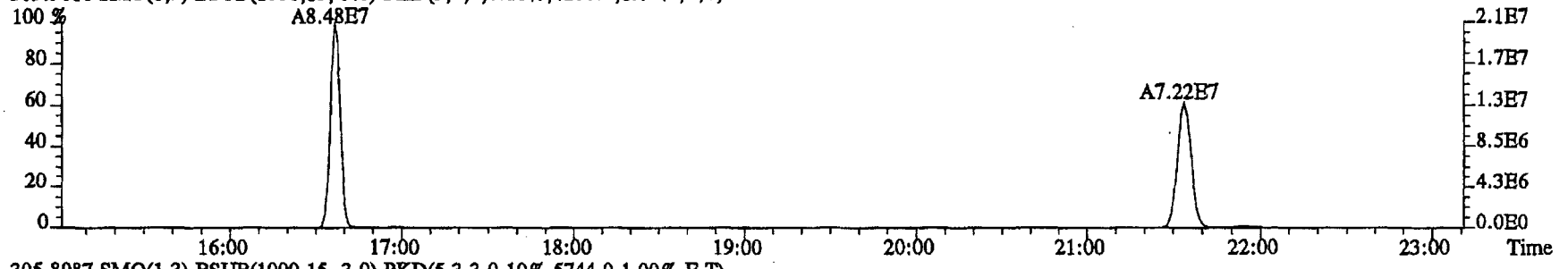
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
454.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

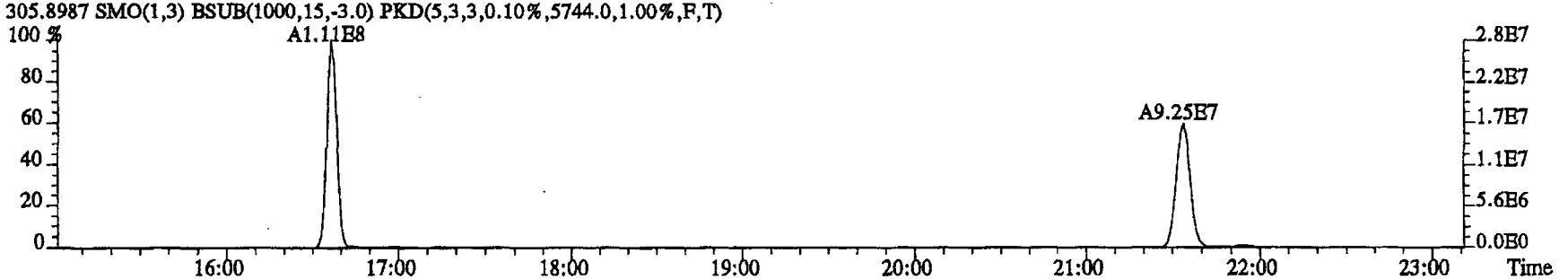


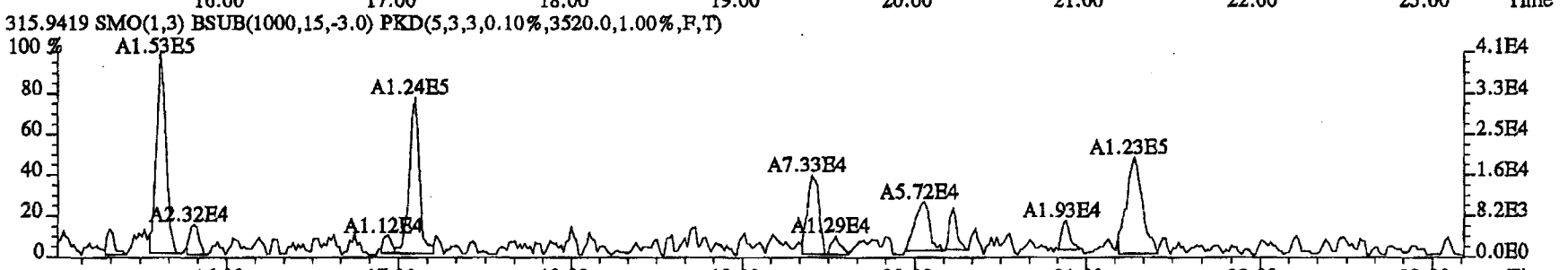
442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

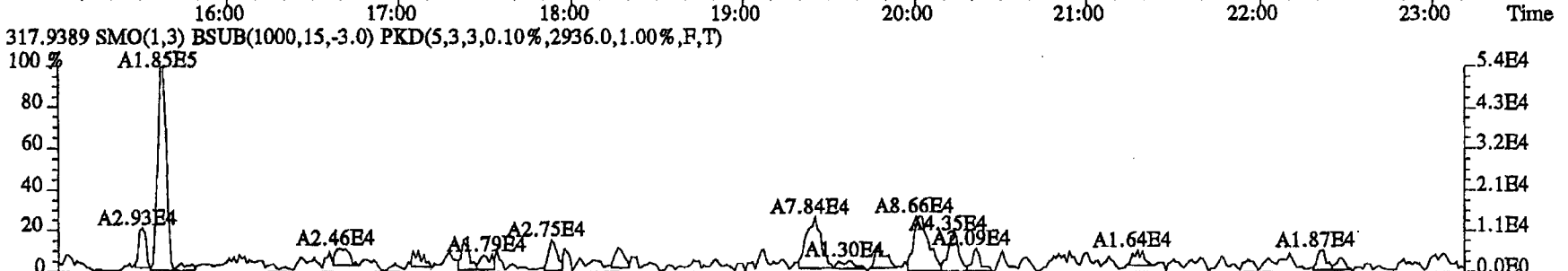


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES

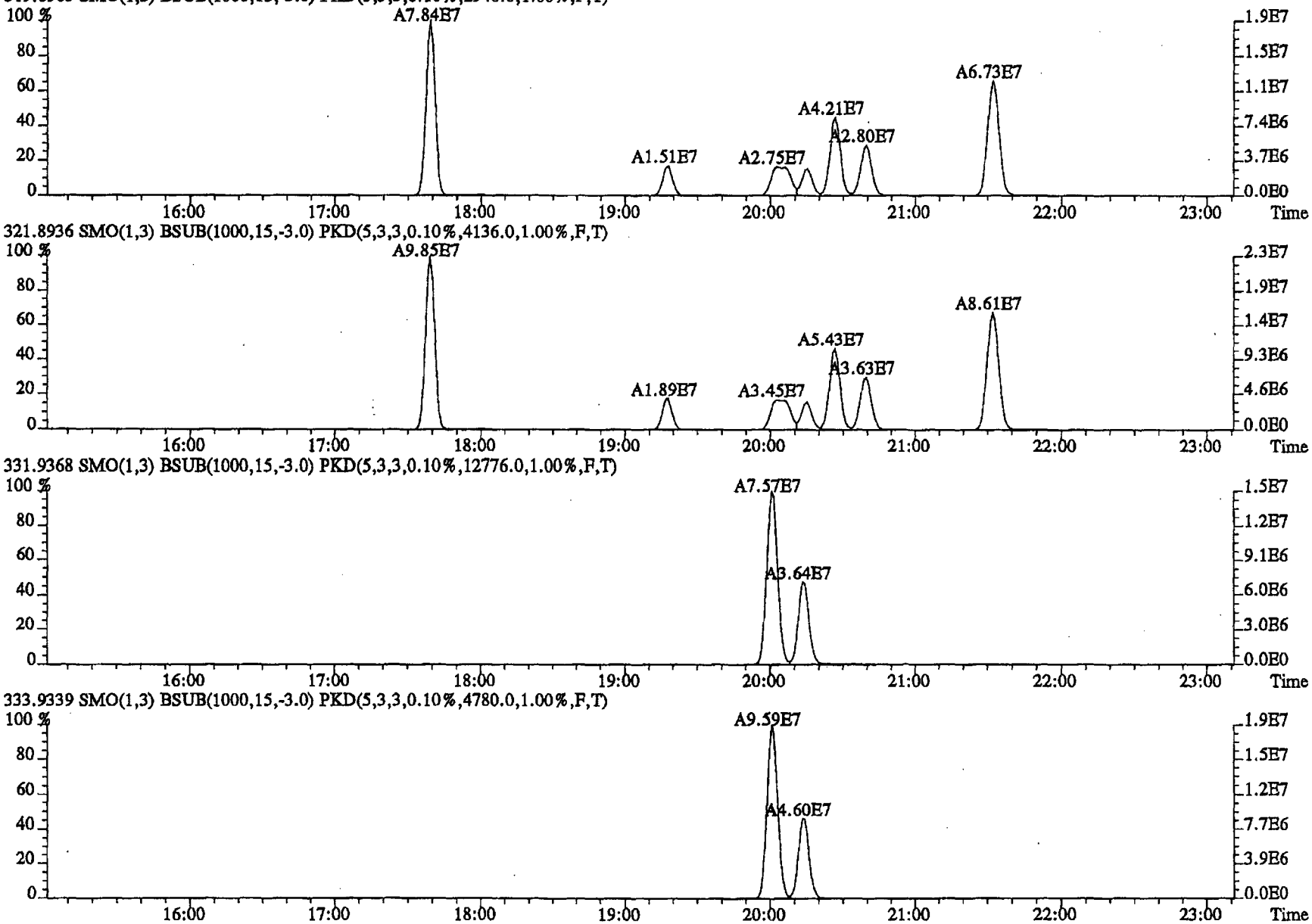




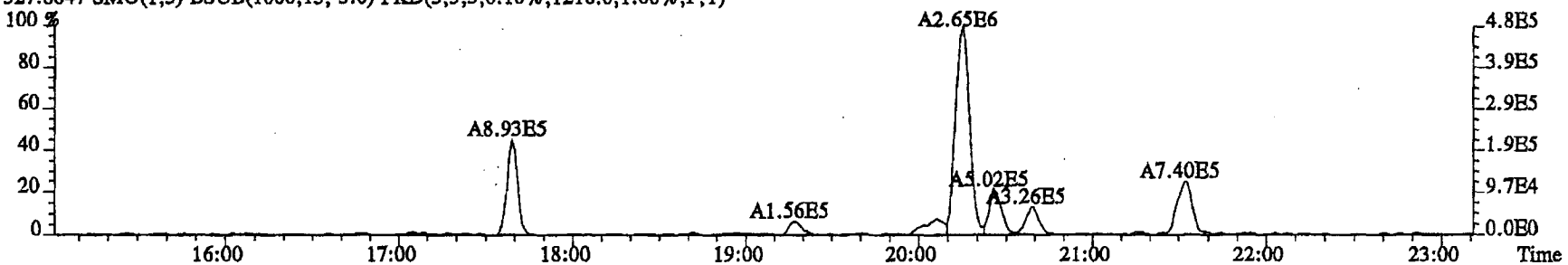


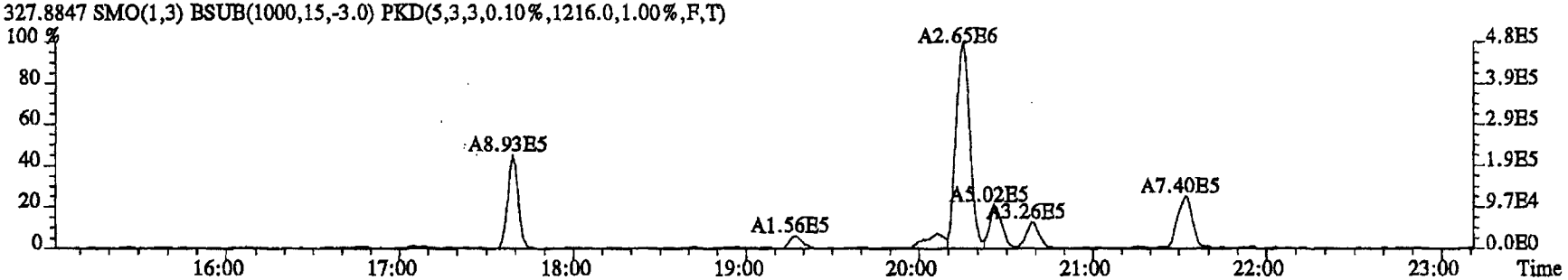


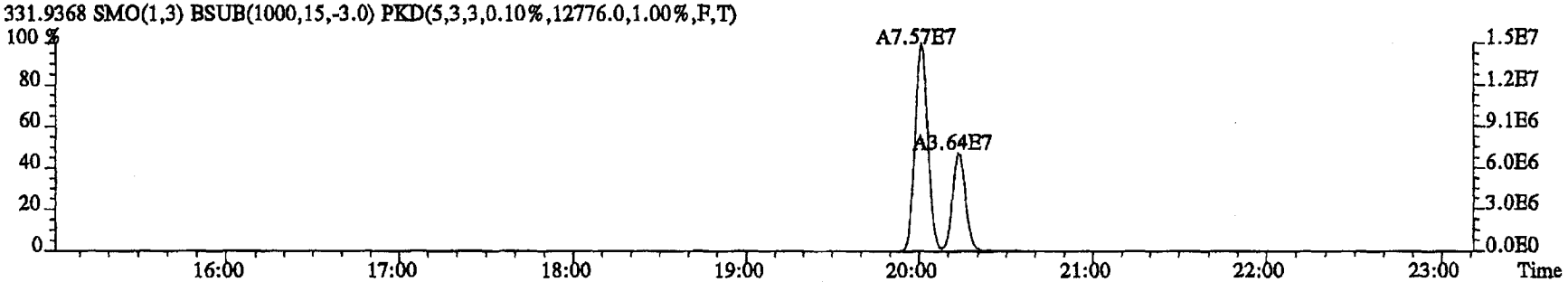
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES

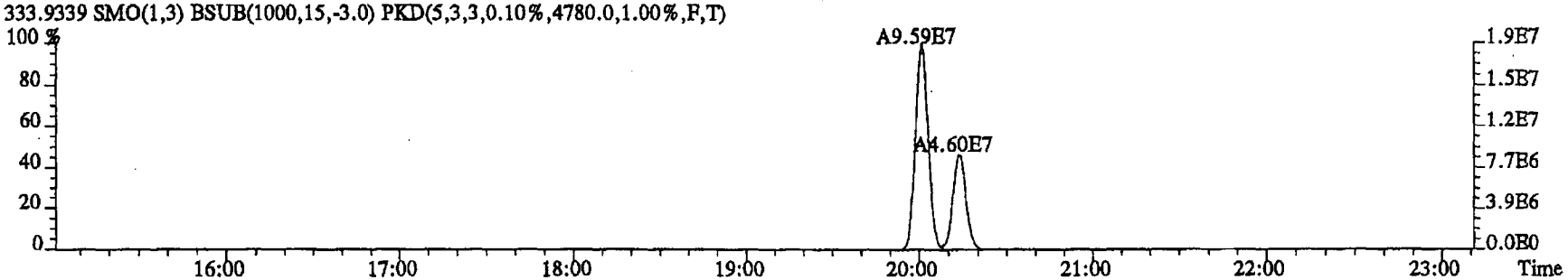


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES

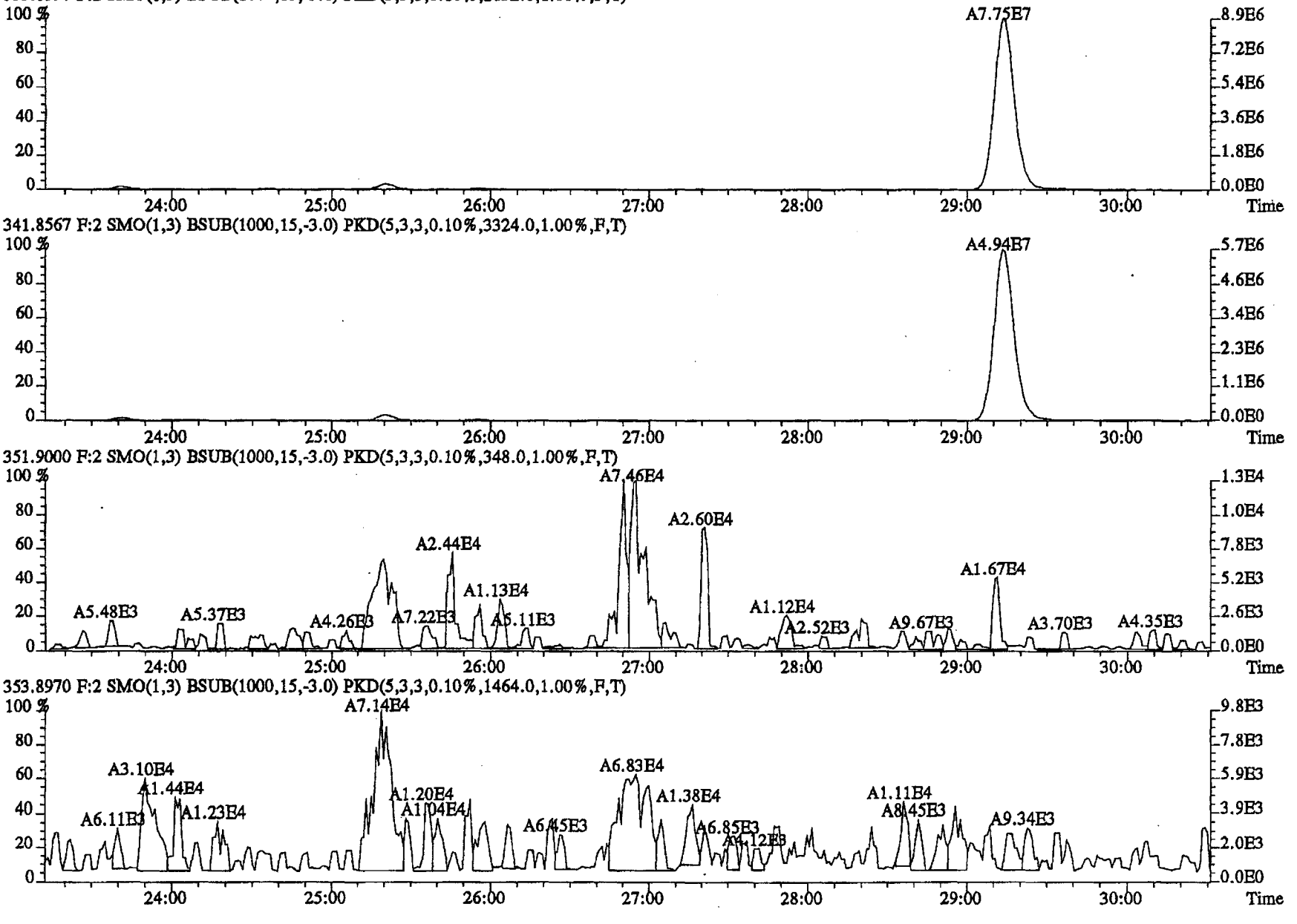




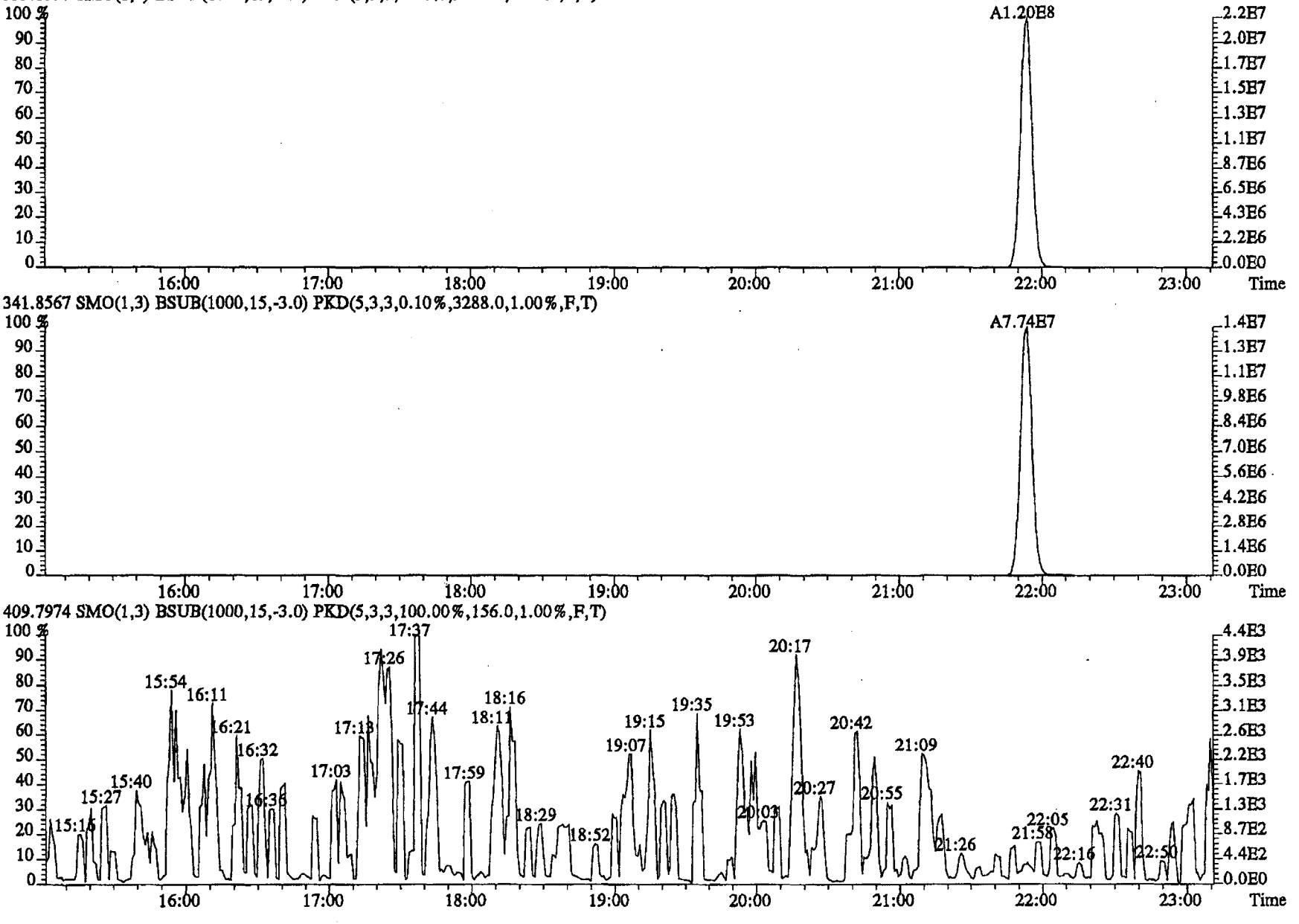




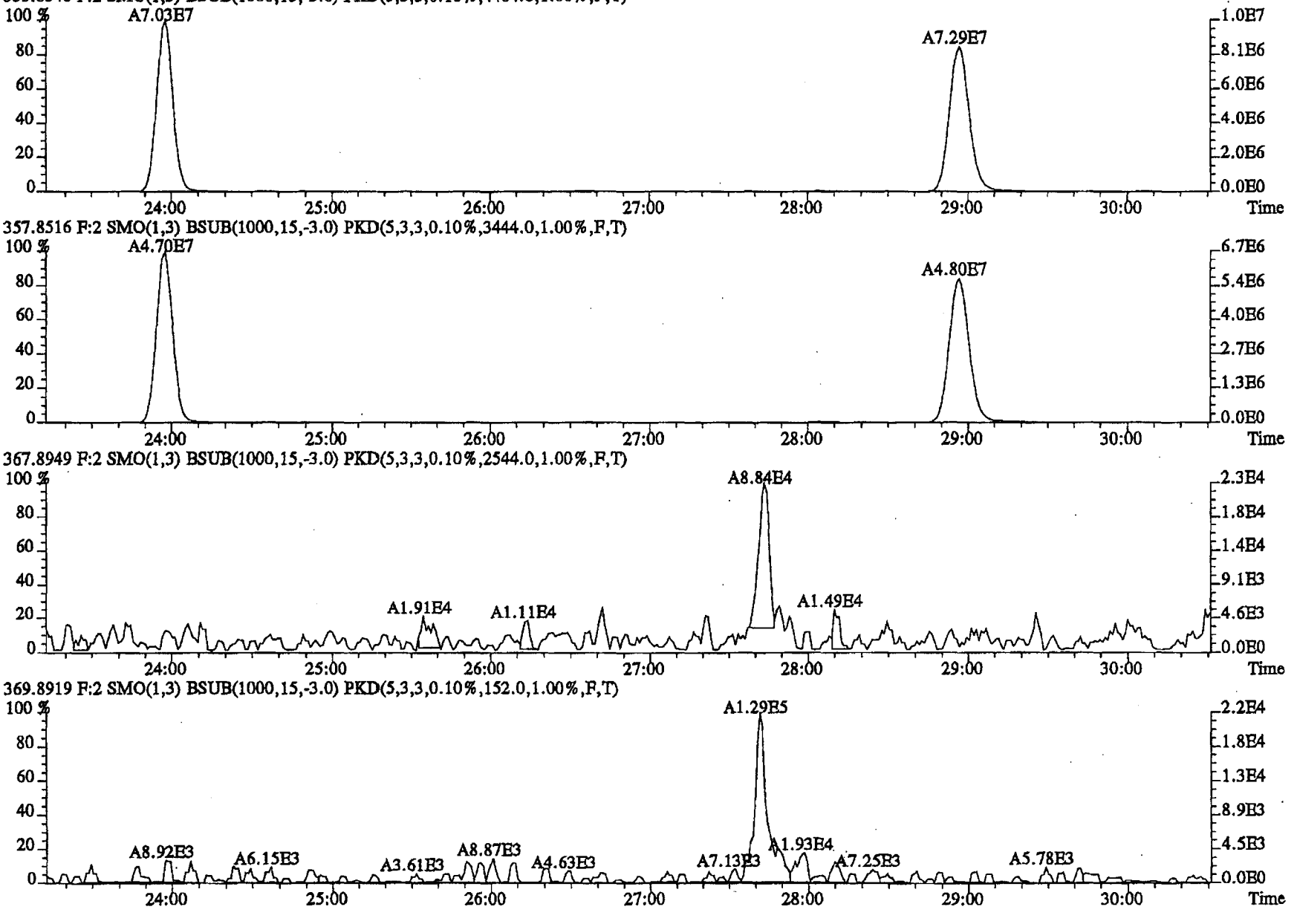
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



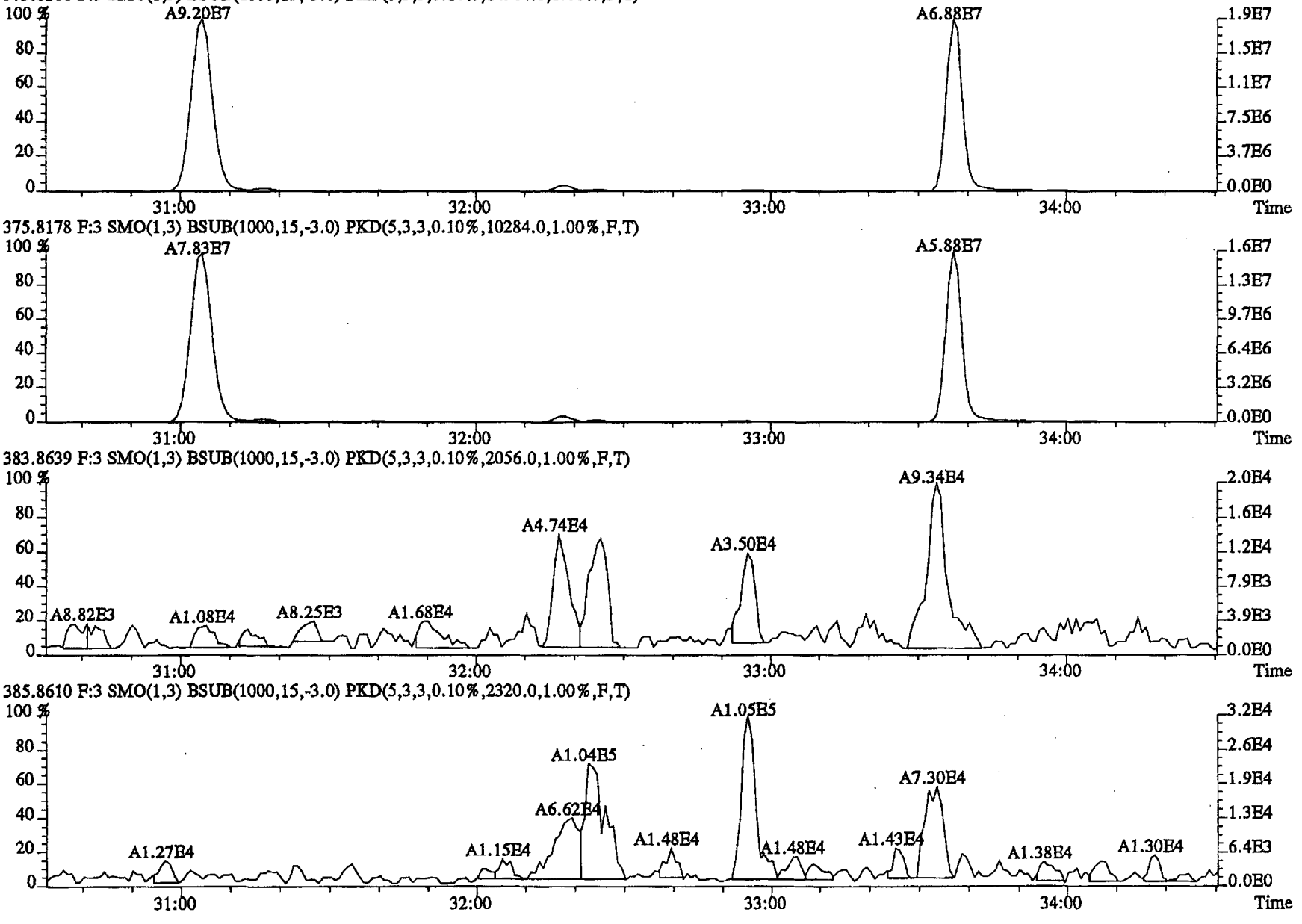
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



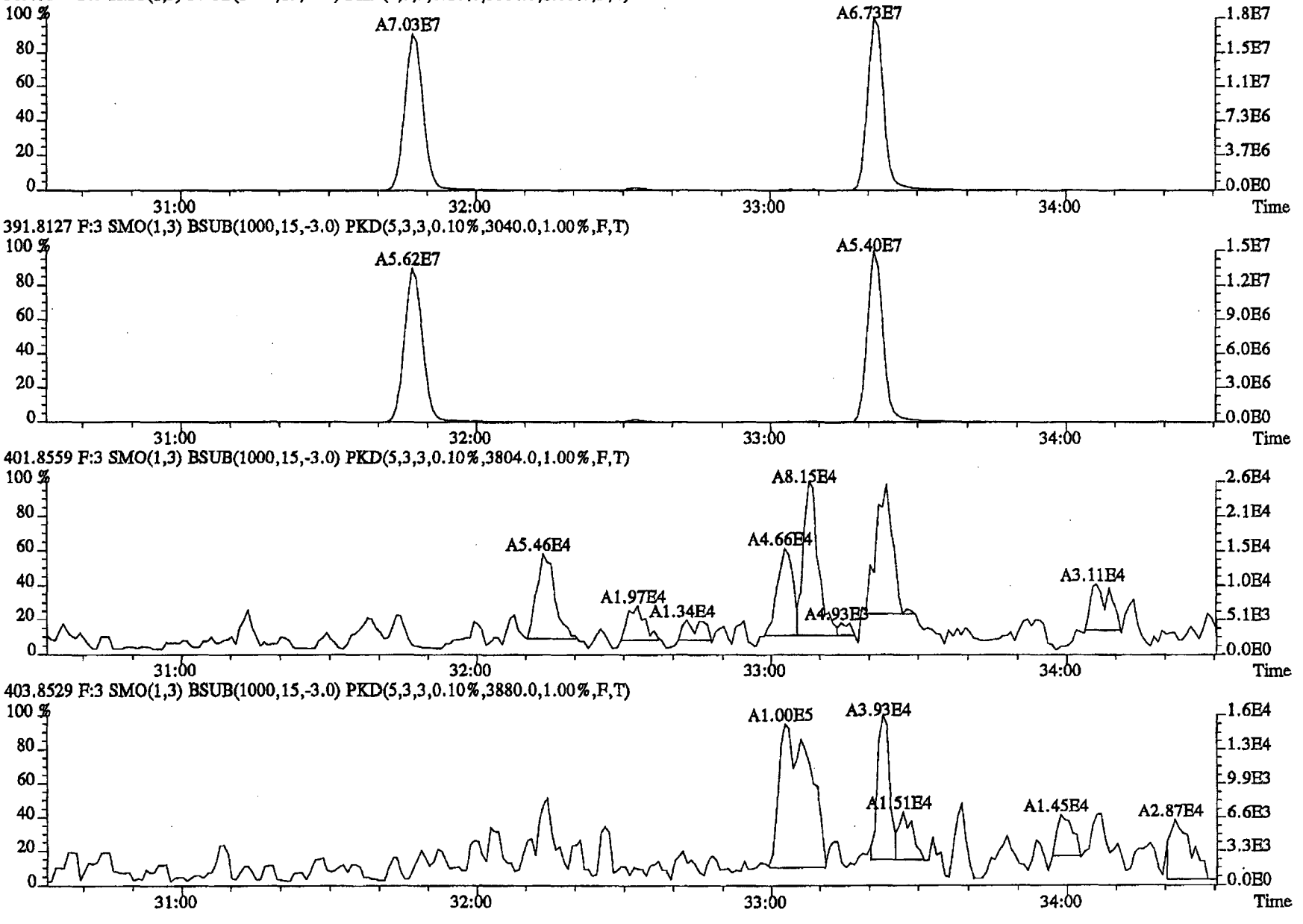
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



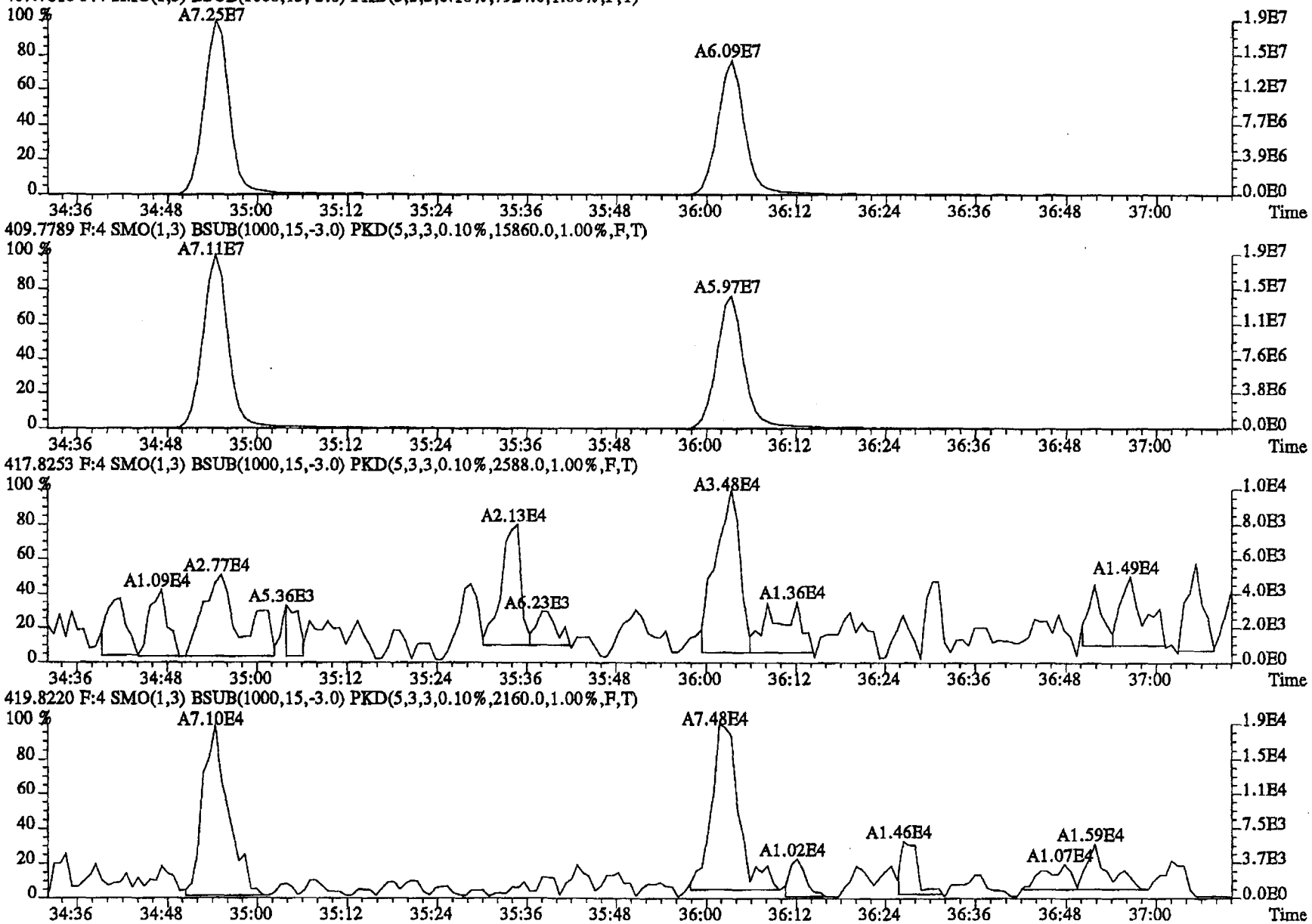
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



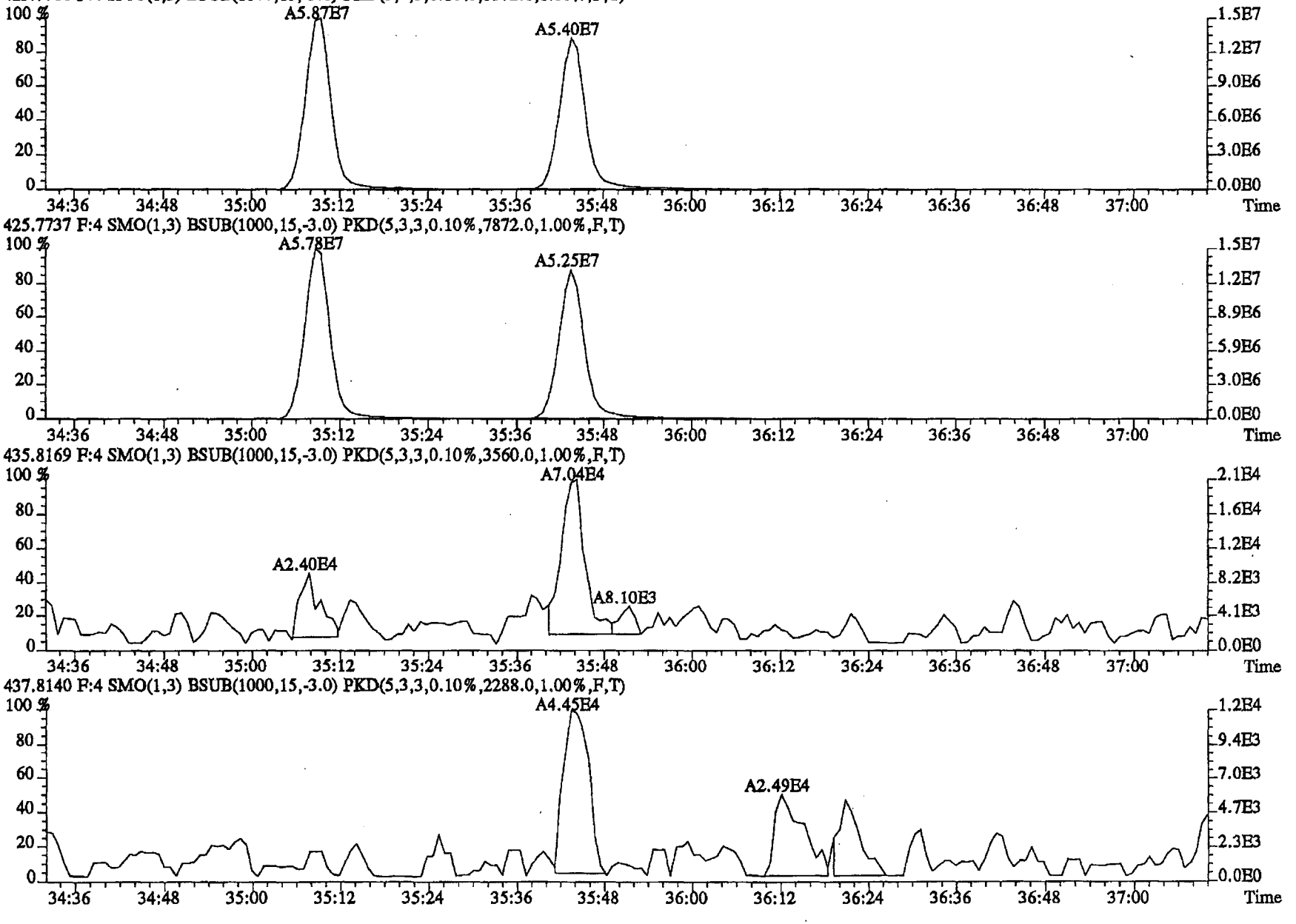
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



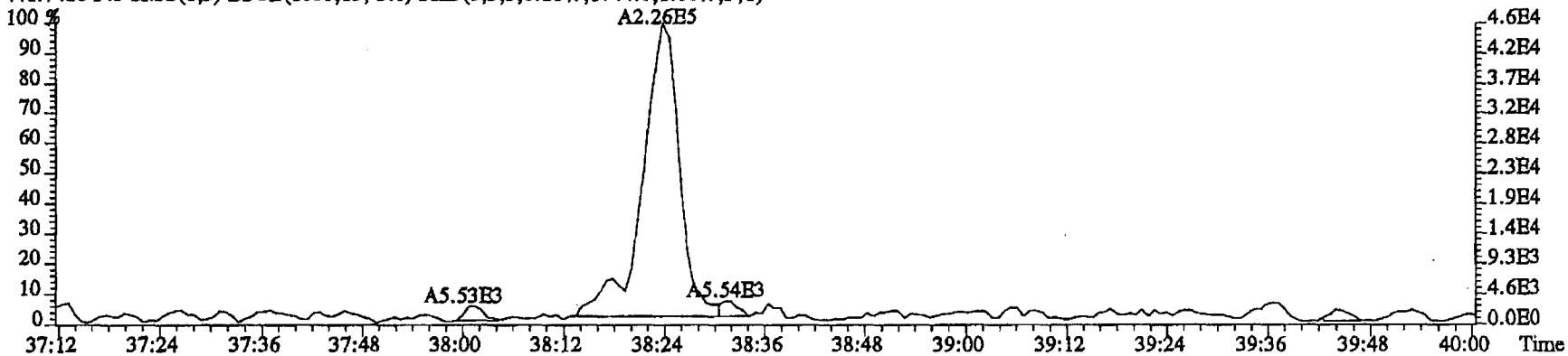
File:21JL10A4D5 #1-200 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



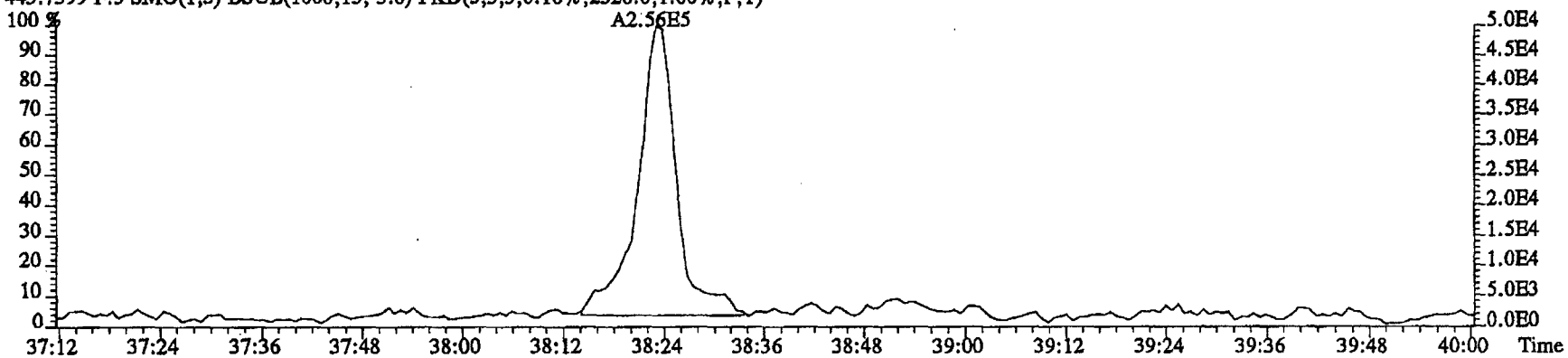
File:21JL10A4D5 #1-200 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



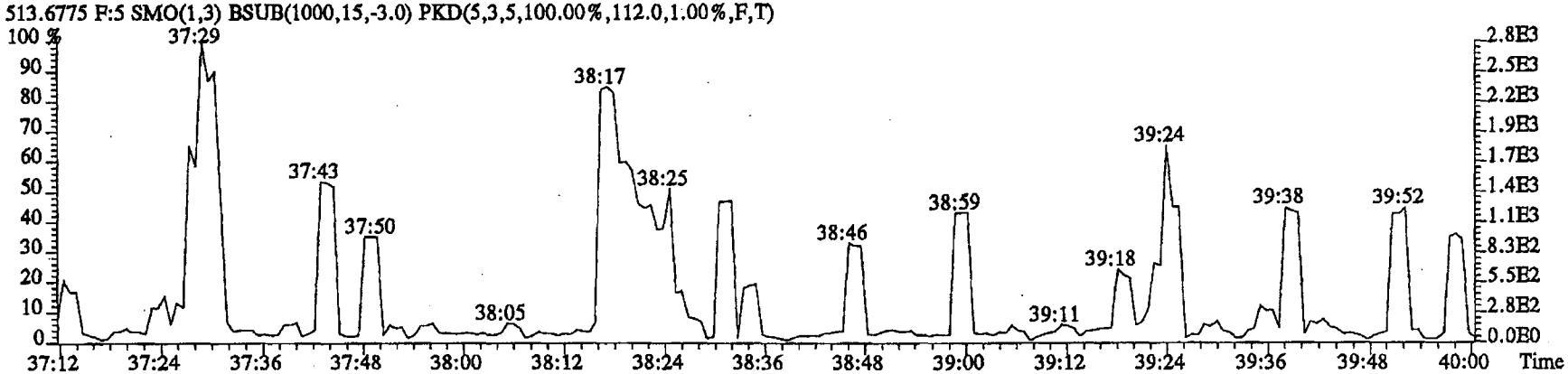
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1744.0,1.00%,F,T)



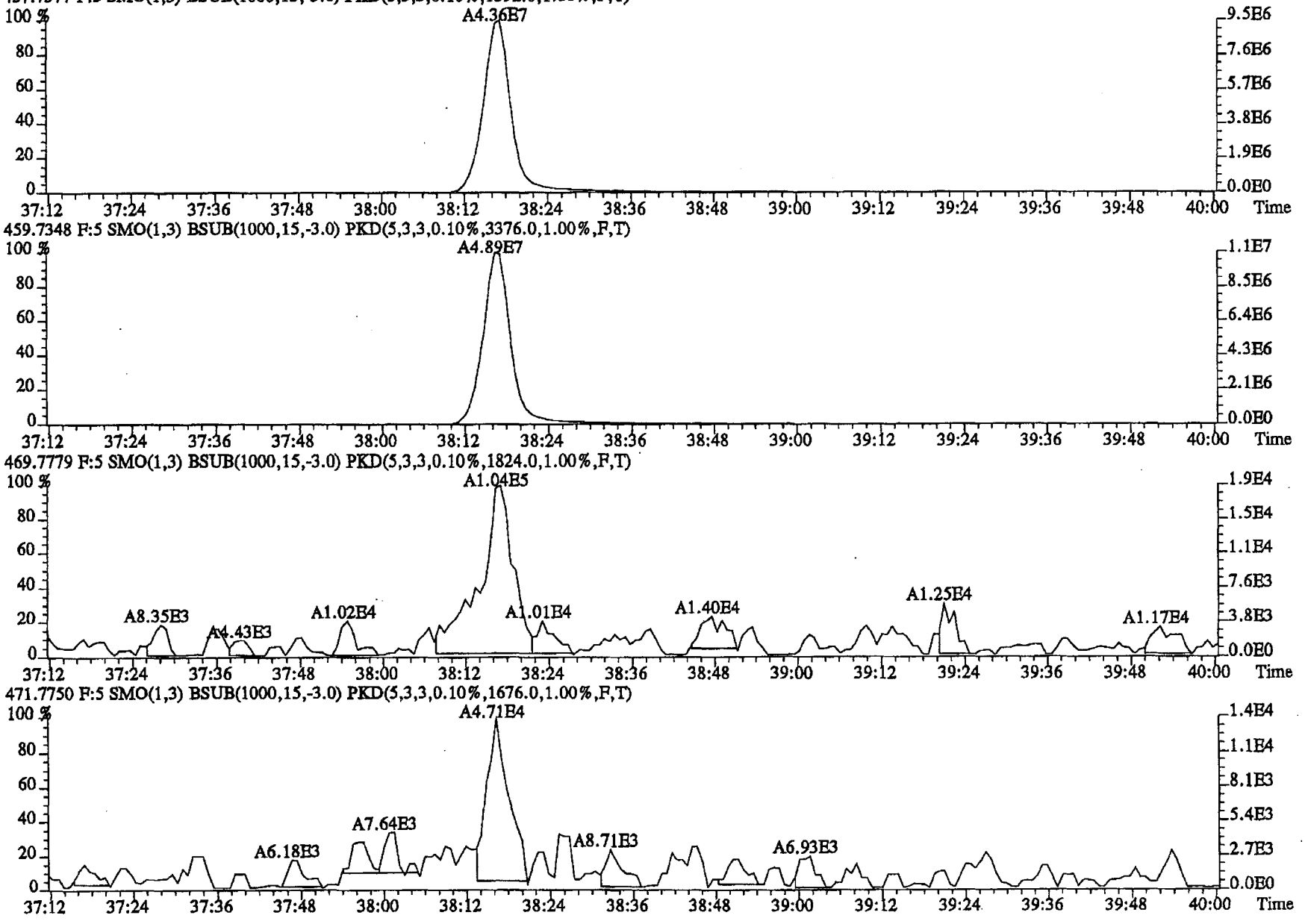
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2528.0,1.00%,F,T)

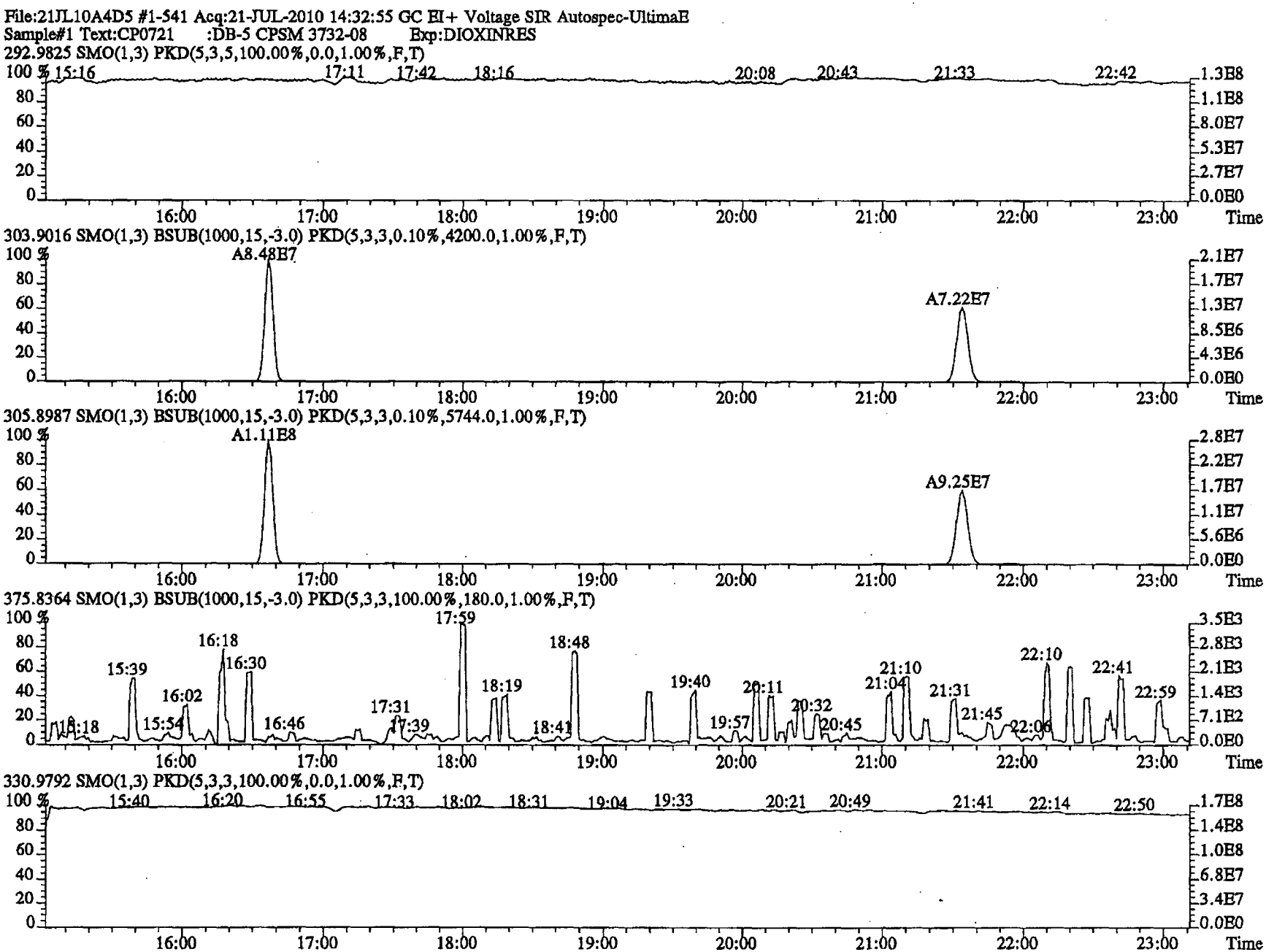


513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,112.0,1.00%,F,T)



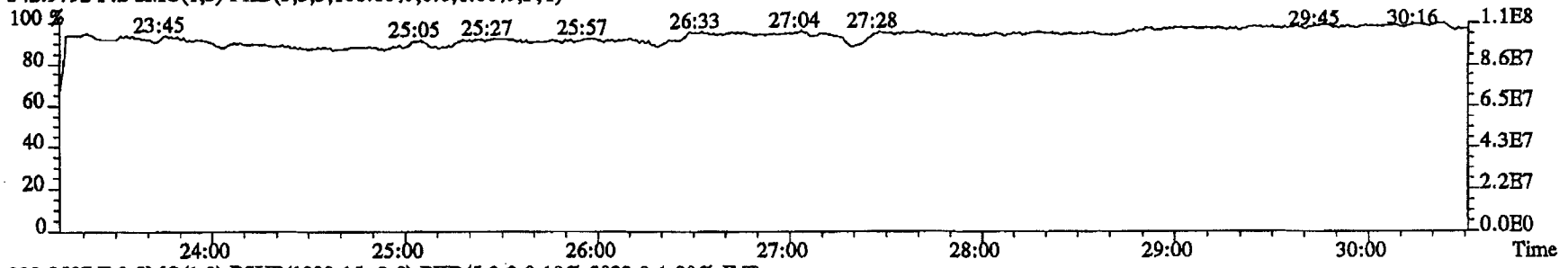
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



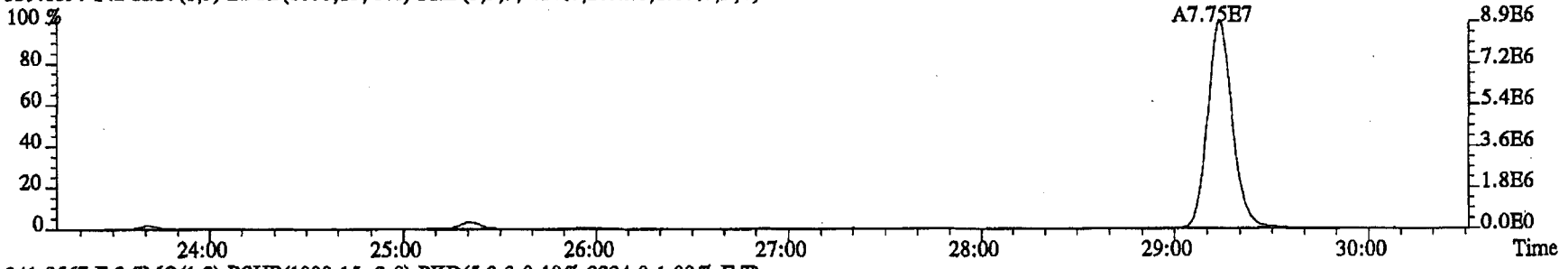

File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T)
A8.48E7
A7.22E7
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)
A1.11E8
A9.25E7
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,180.0,1.00%,F,T)
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

File:21JL10A4D5 #1-470 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES

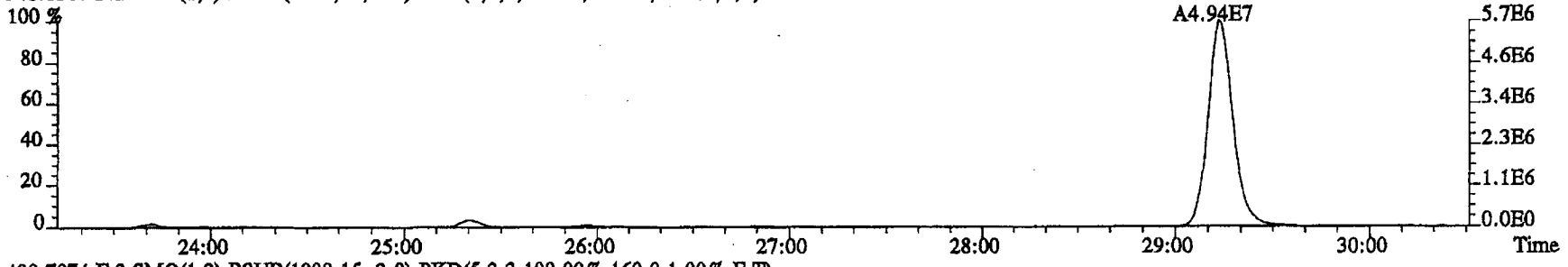
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



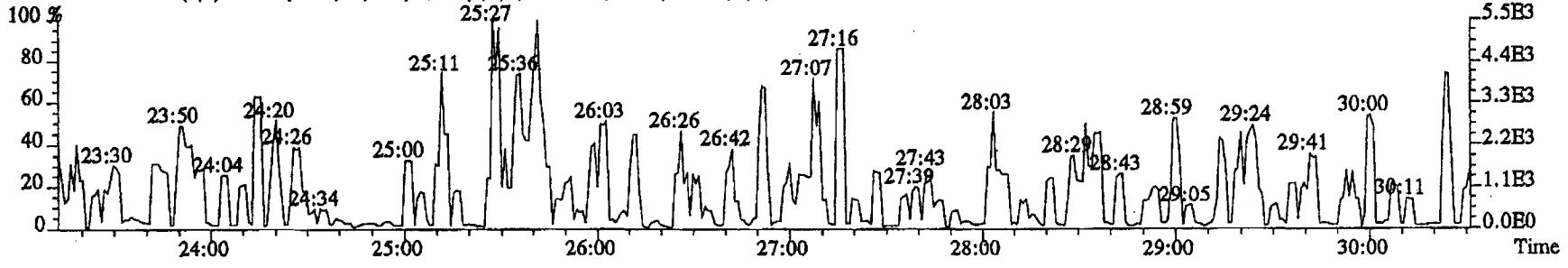
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)



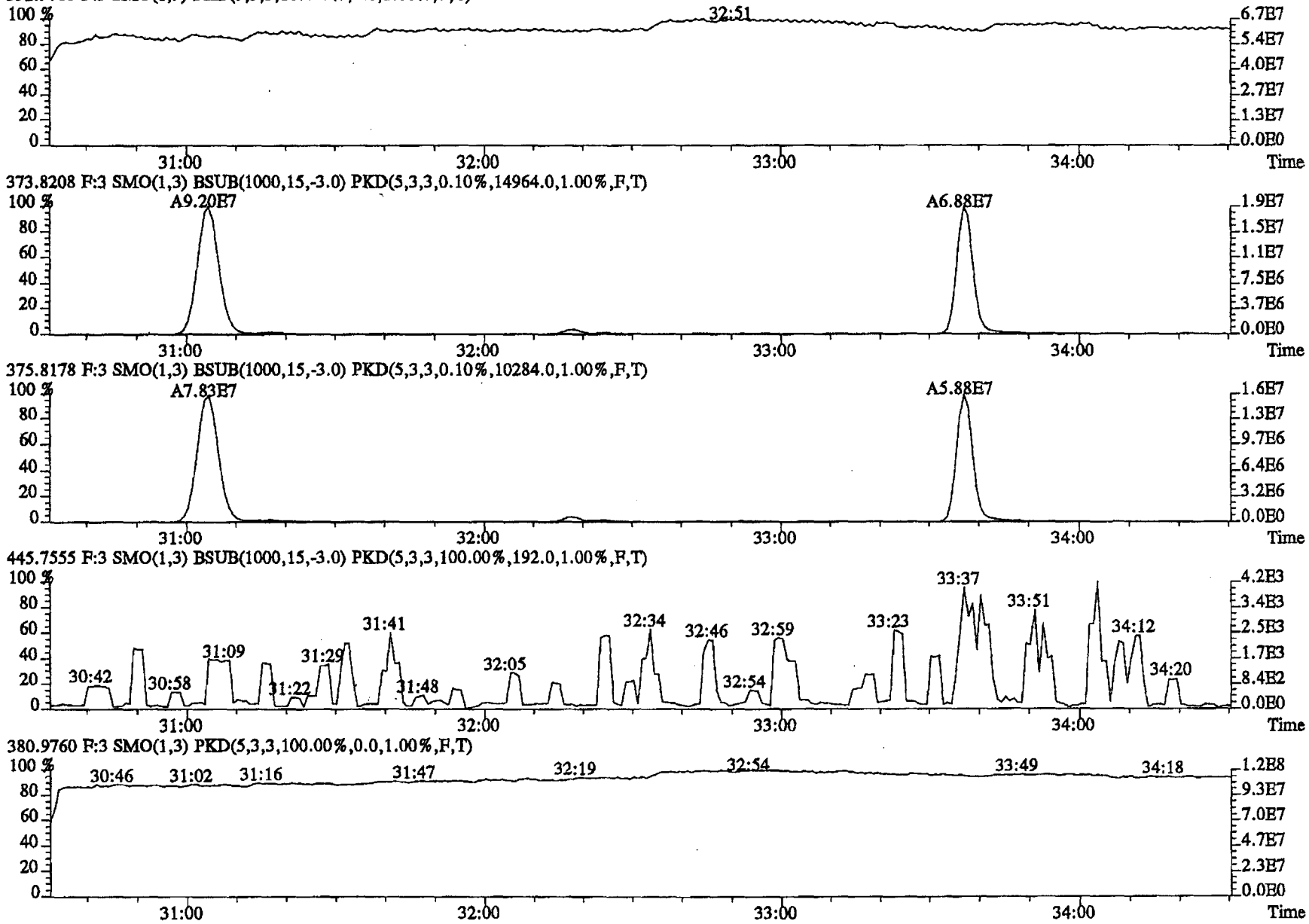
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3324.0,1.00%,F,T)



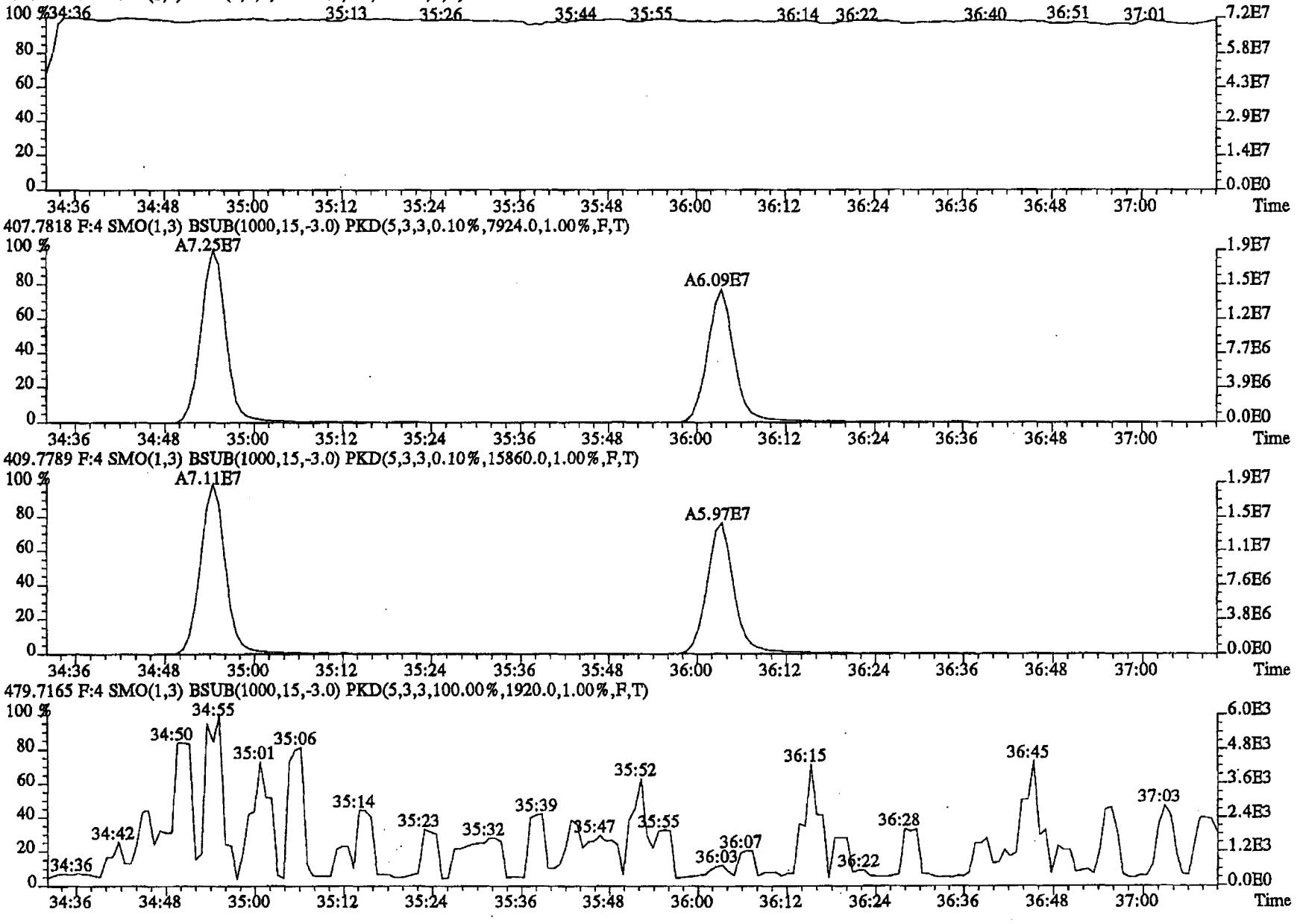
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,160.0,1.00%,F,T)



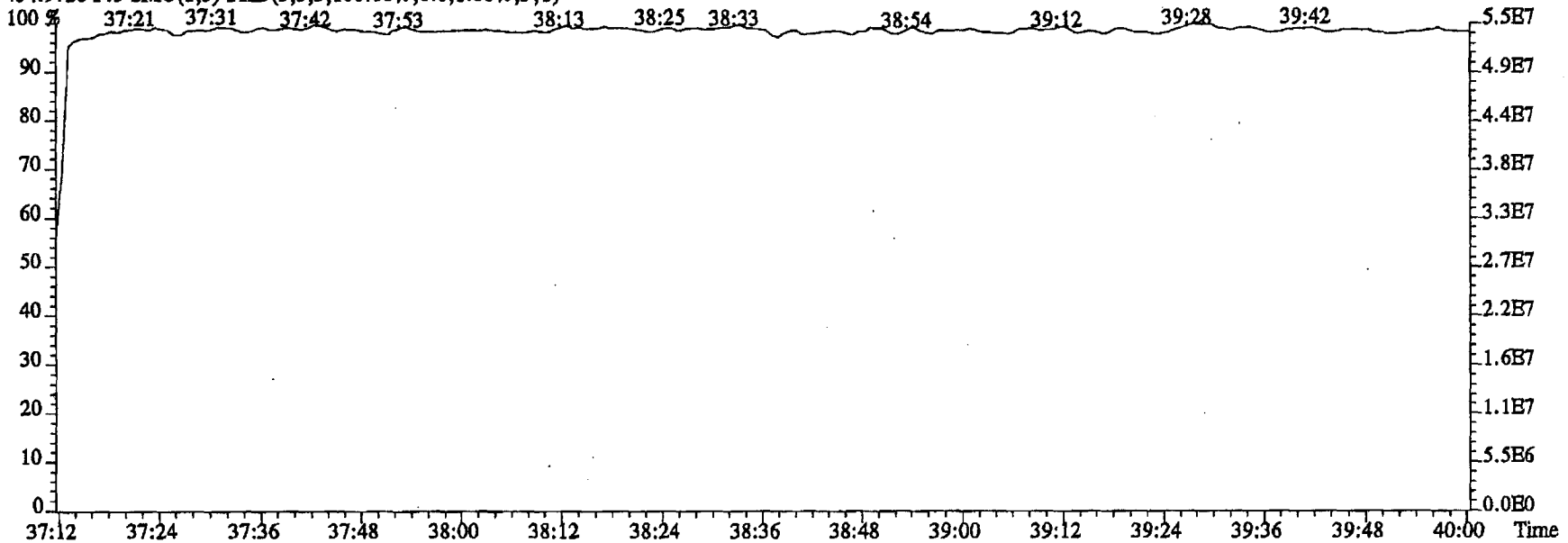
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



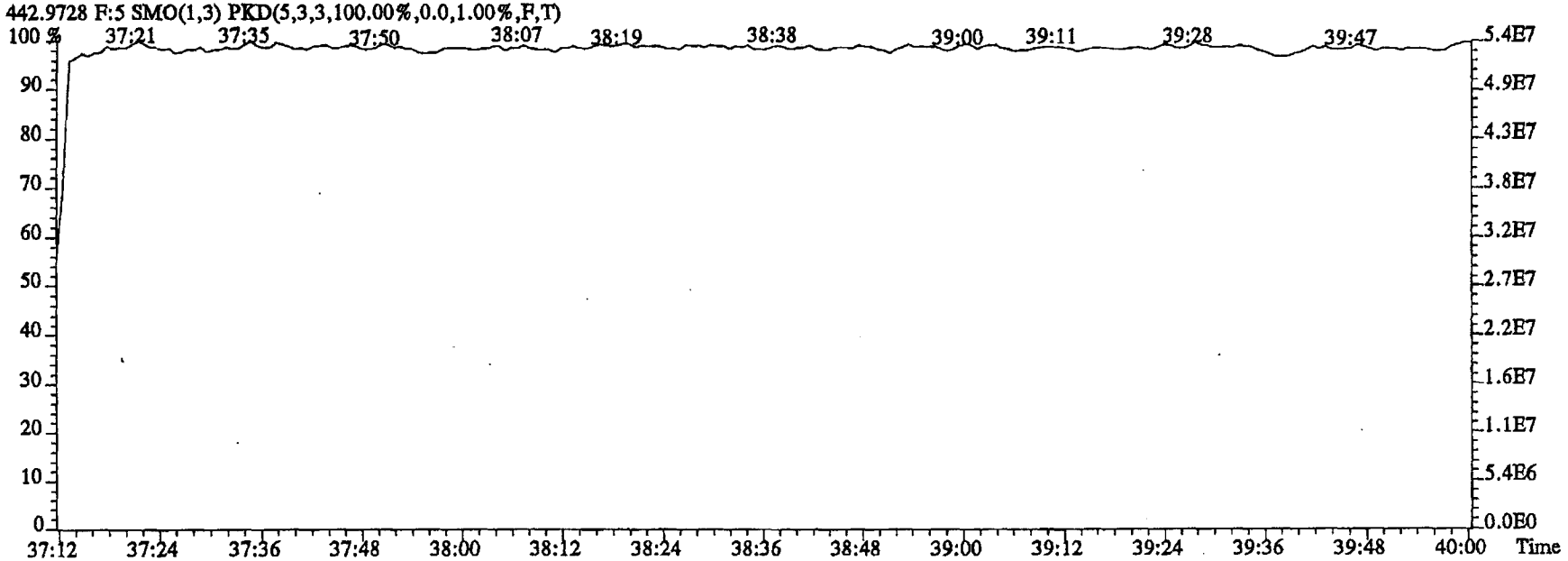
File:21JL10A4D5 #1-200 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



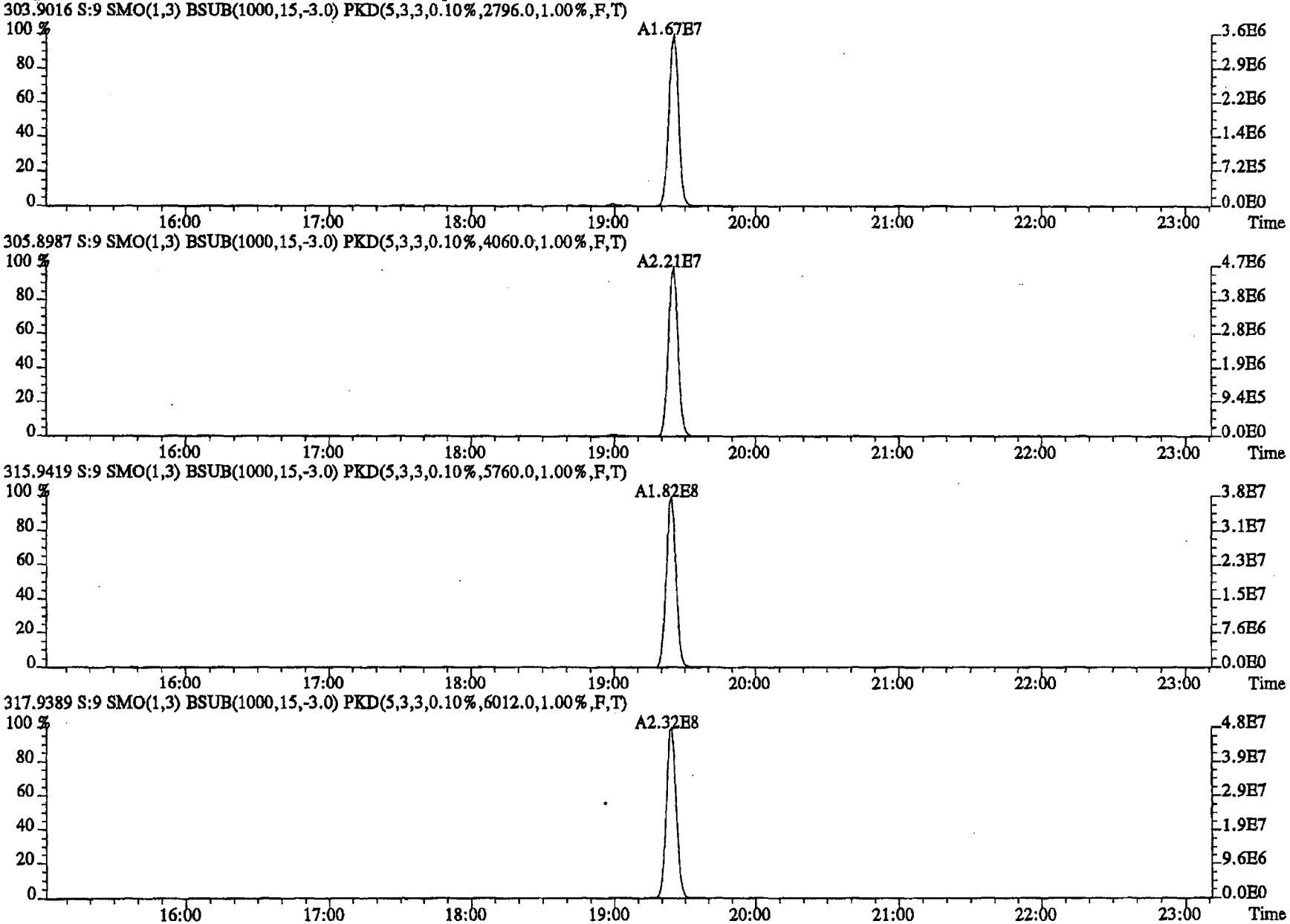
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



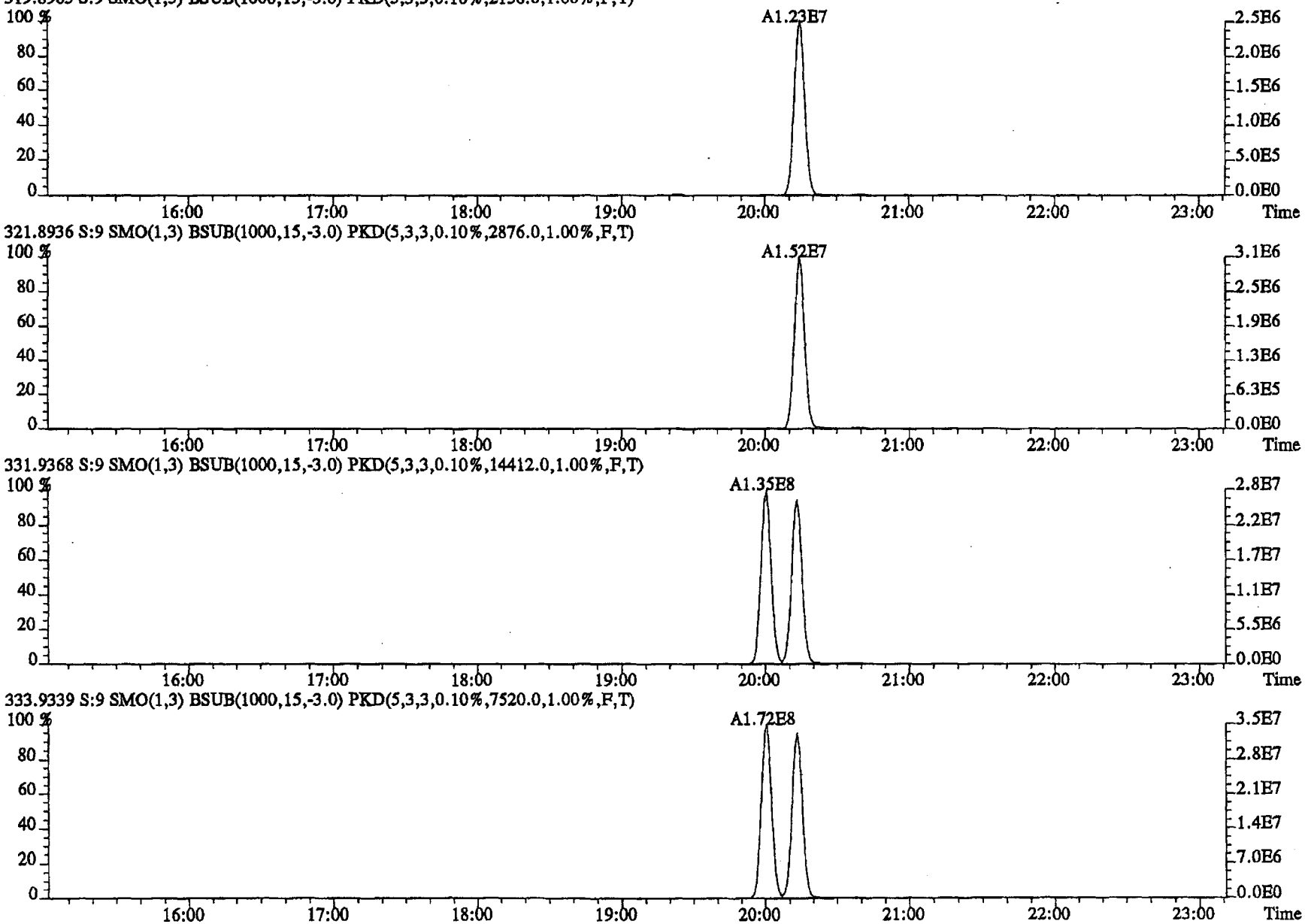
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



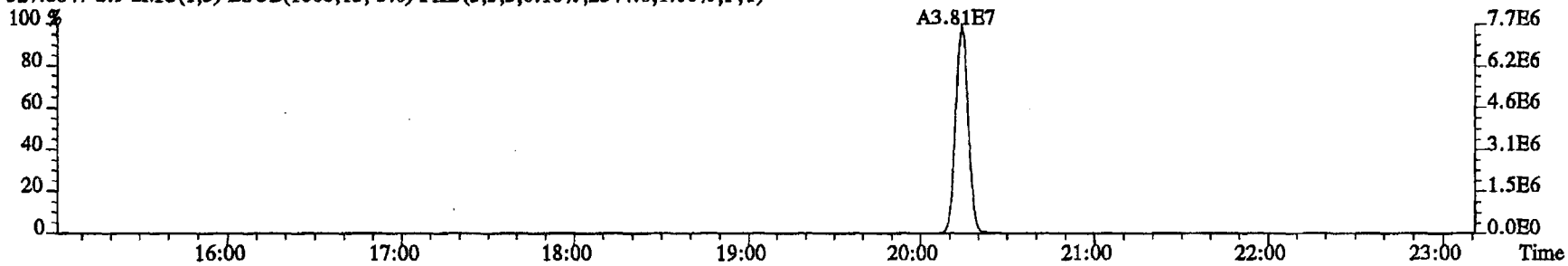
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



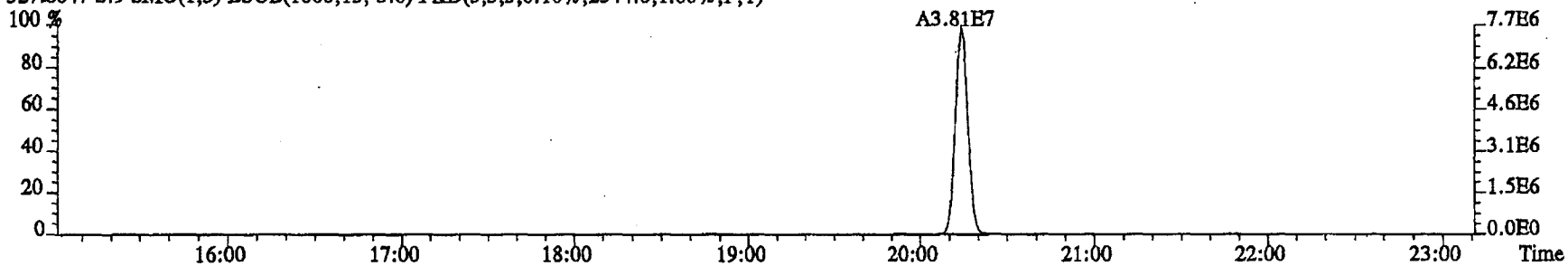
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



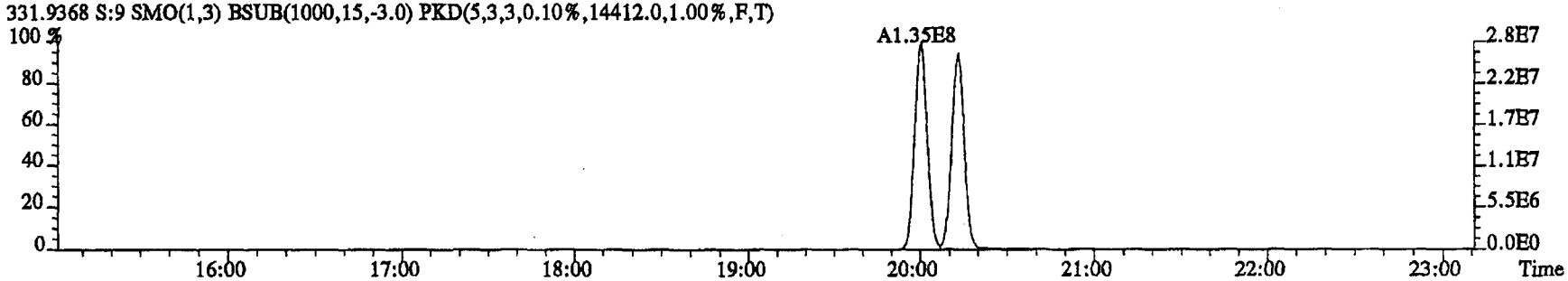
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2544.0,1.00%,F,T)



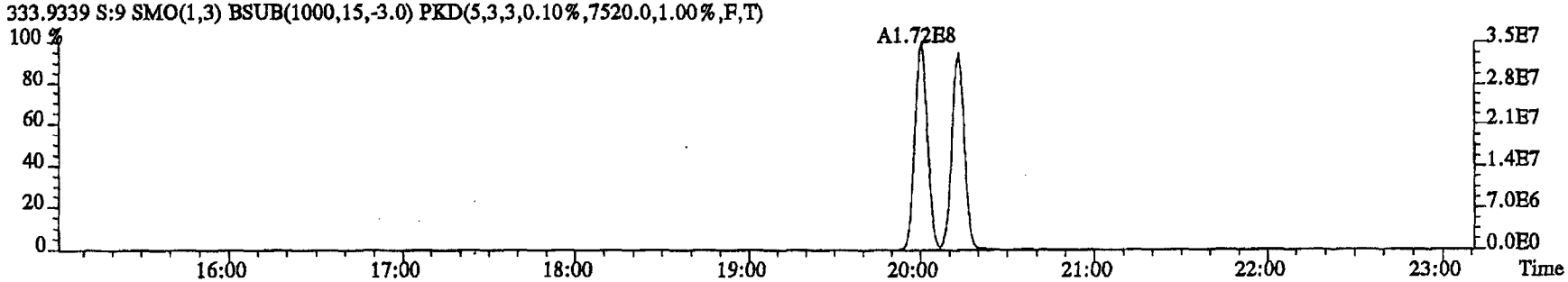
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2544.0,1.00%,F,T)



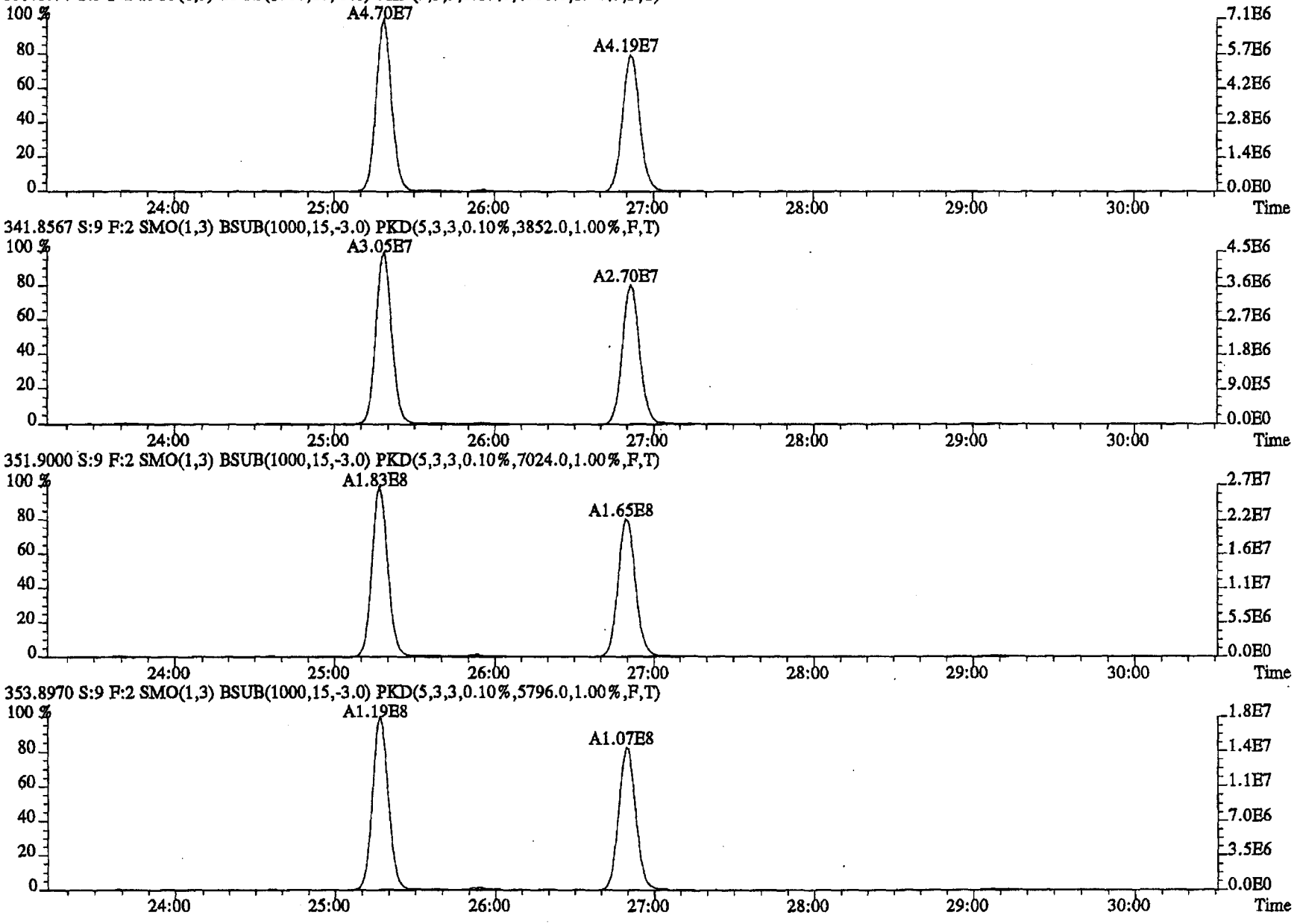
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14412.0,1.00%,F,T)



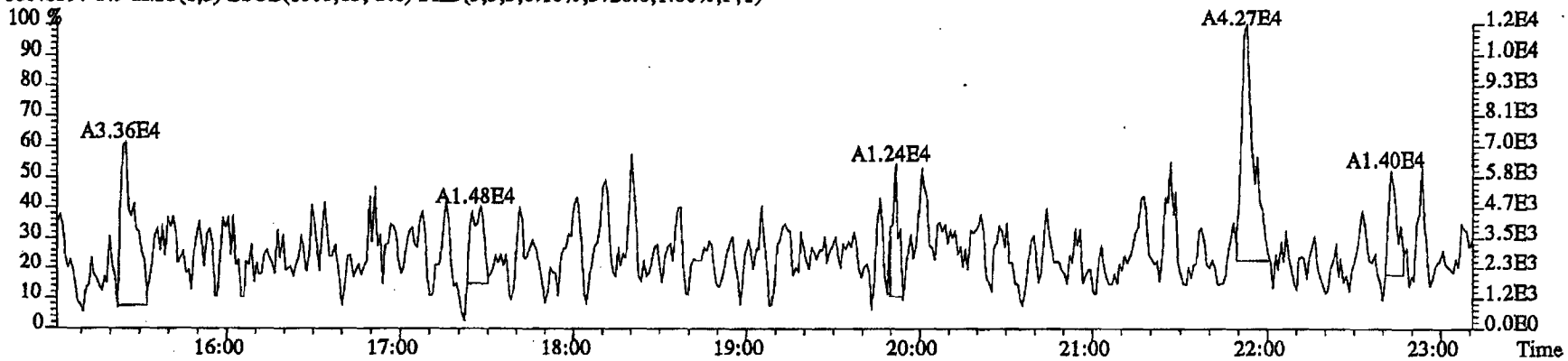
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7520.0,1.00%,F,T)



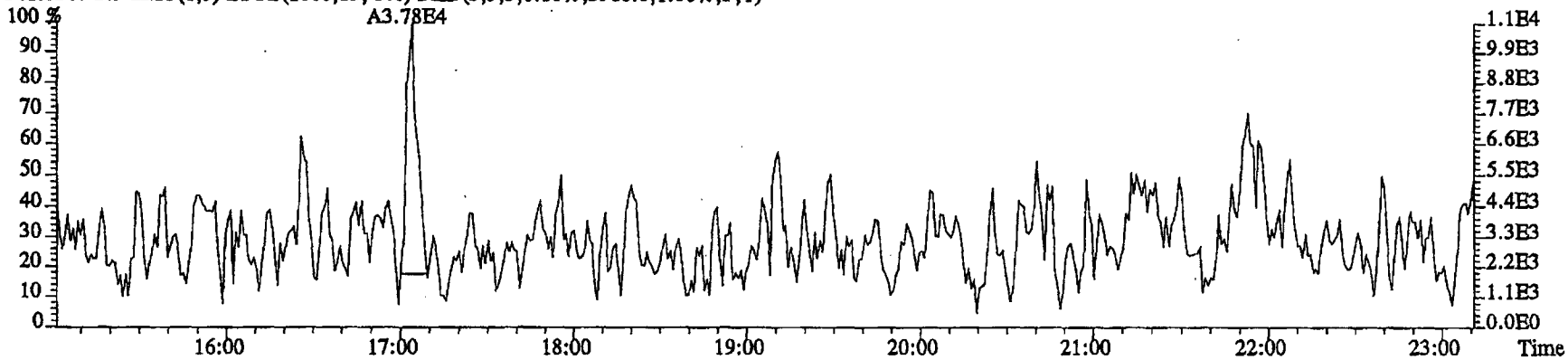
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



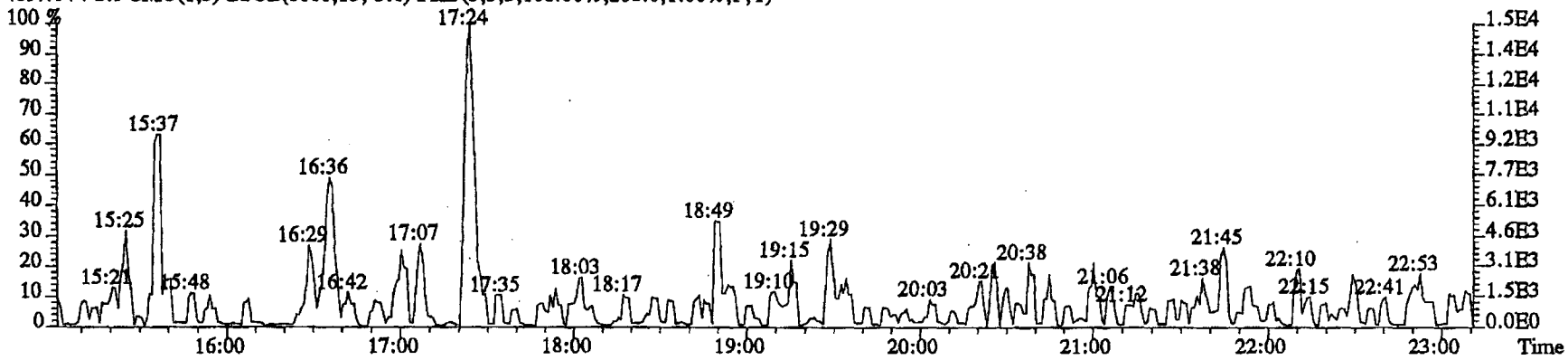
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
339.8597 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)



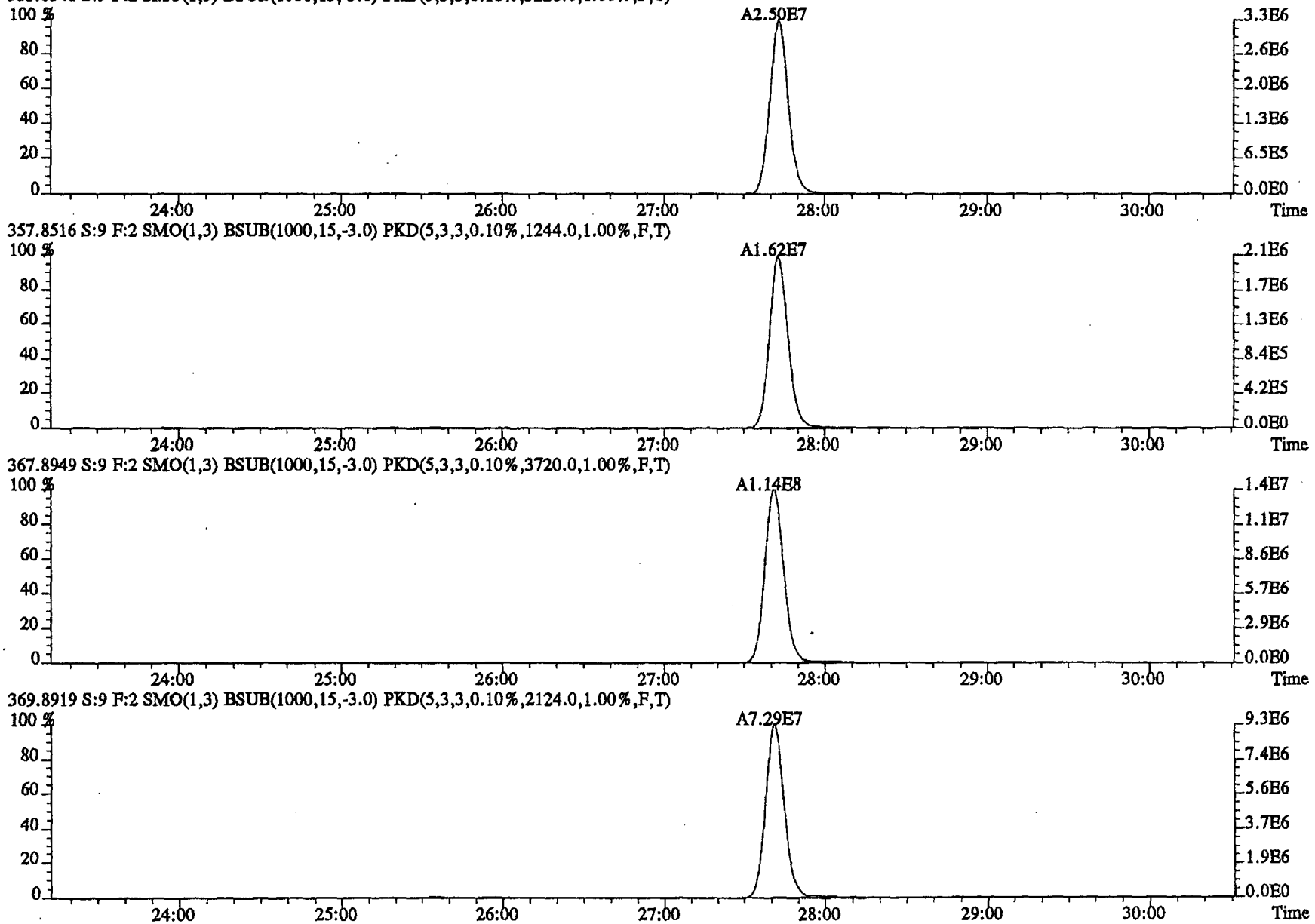
341.8567 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)



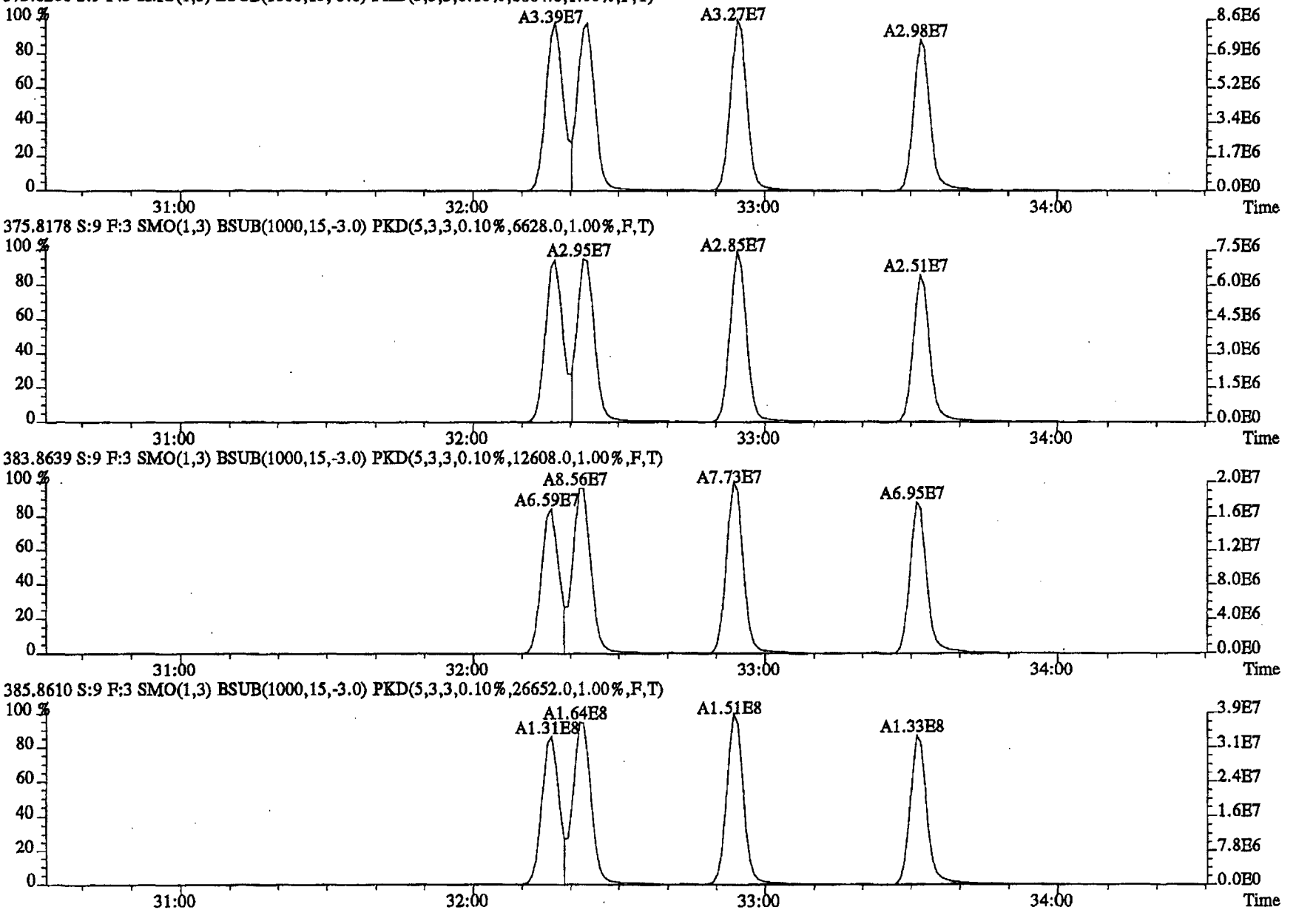
409.7974 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,200.0,1.00%,F,T)



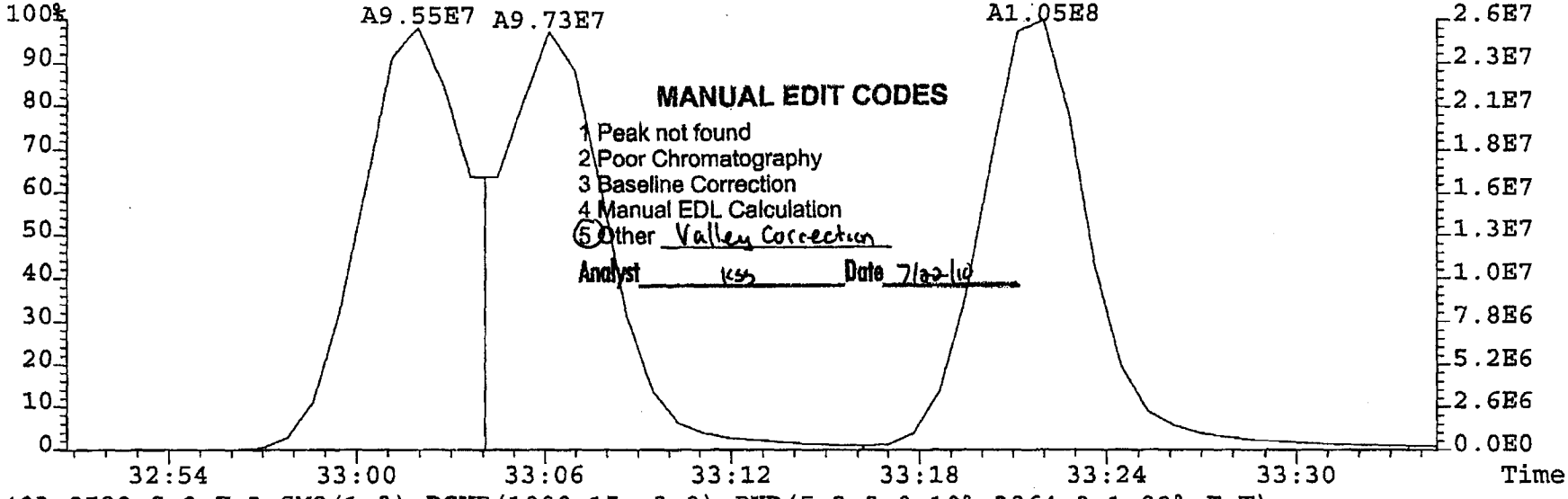
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



File:21JL10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



File:21JL10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
401.8559 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4356.0,1.00%,F,T)

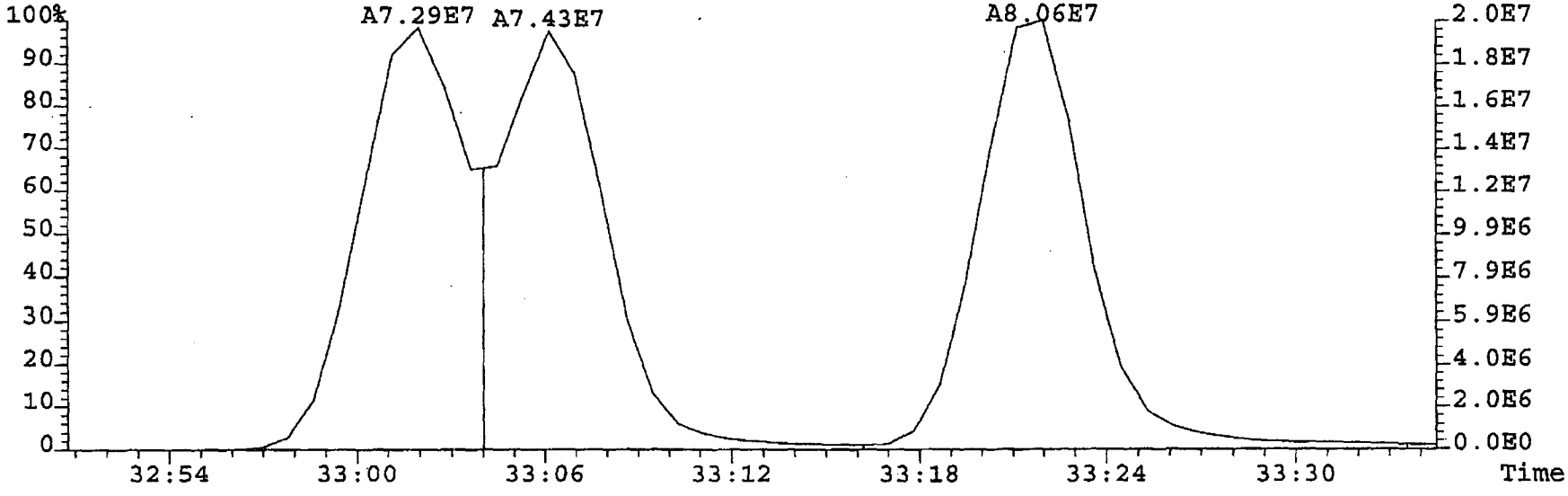


MANUAL EDIT CODES

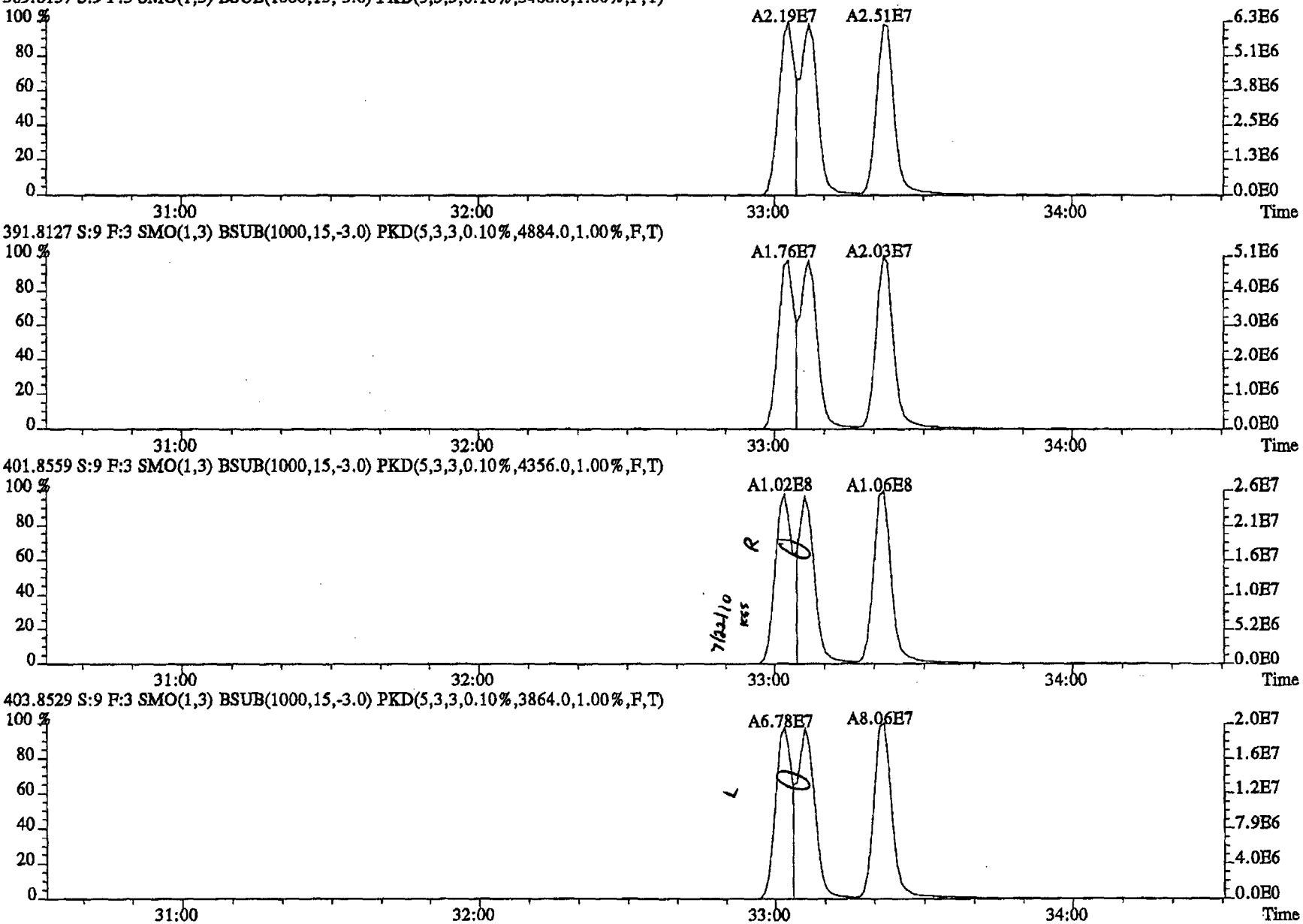
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
5 Other Valley Correction

Analyst KSS Date 7/22/10

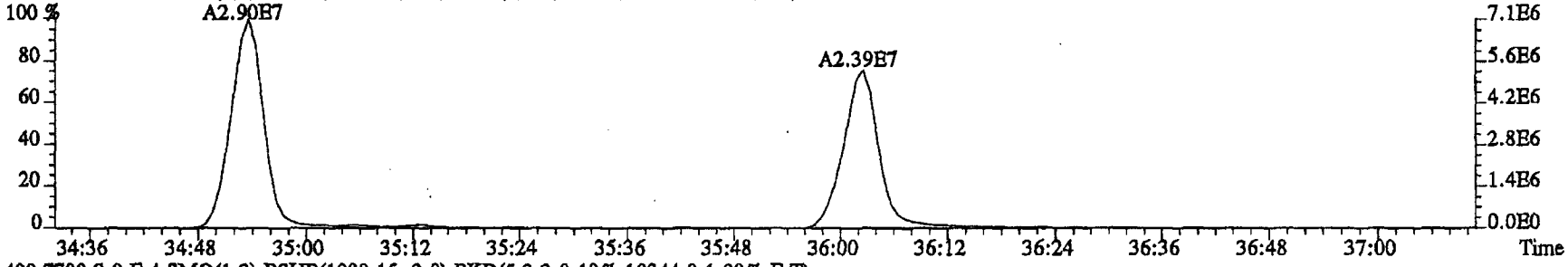
403.8529 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3864.0,1.00%,F,T)



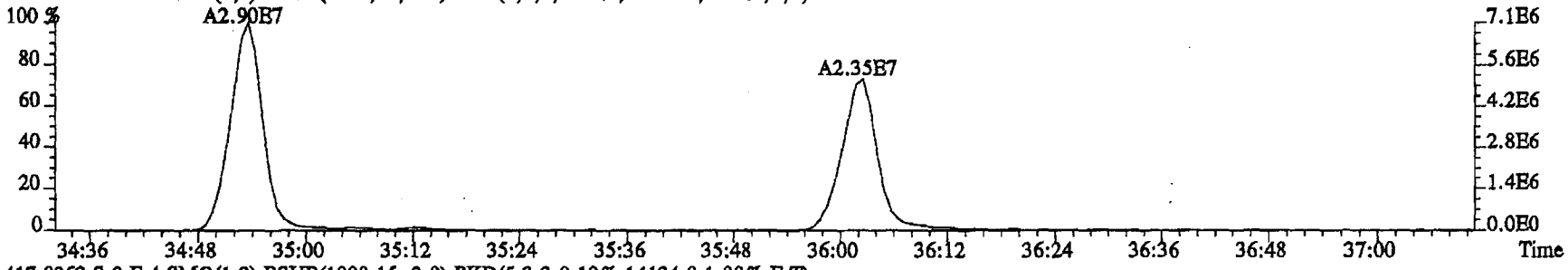
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



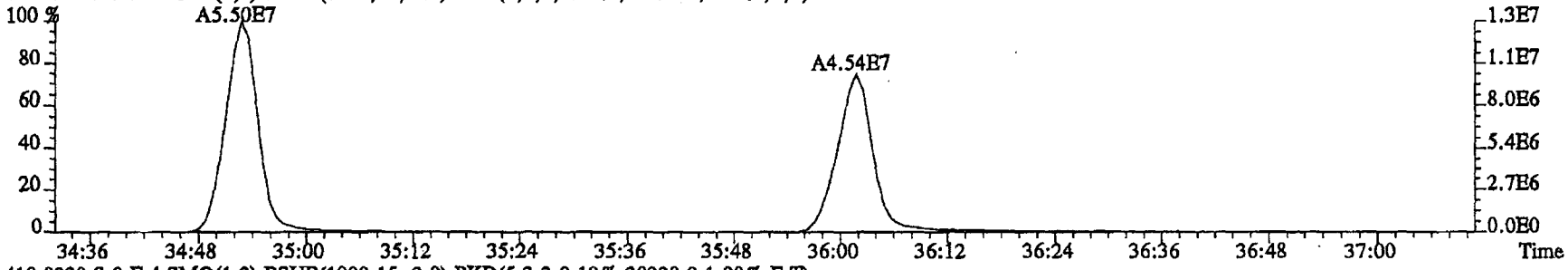
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6948.0,1.00%,F,T)



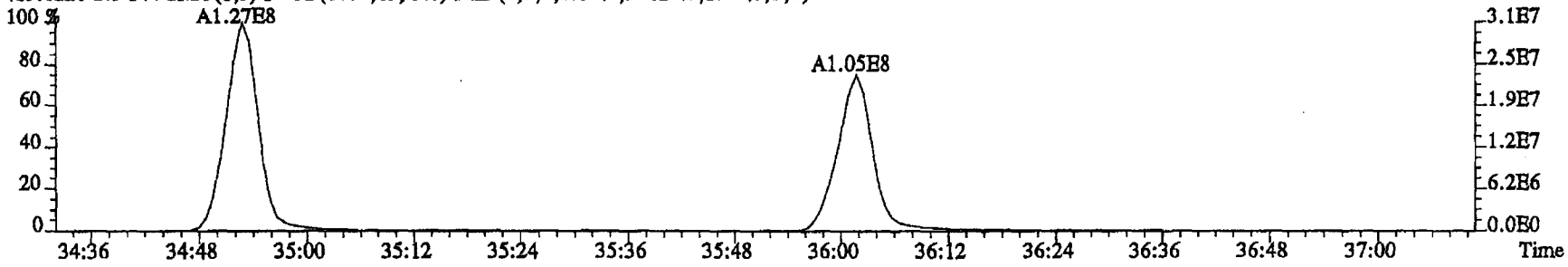
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10344.0,1.00%,F,T)



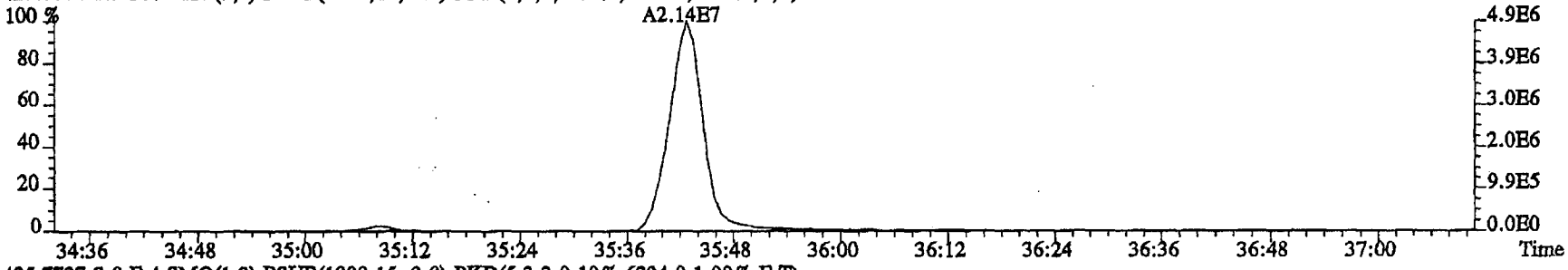
417.8253 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14124.0,1.00%,F,T)



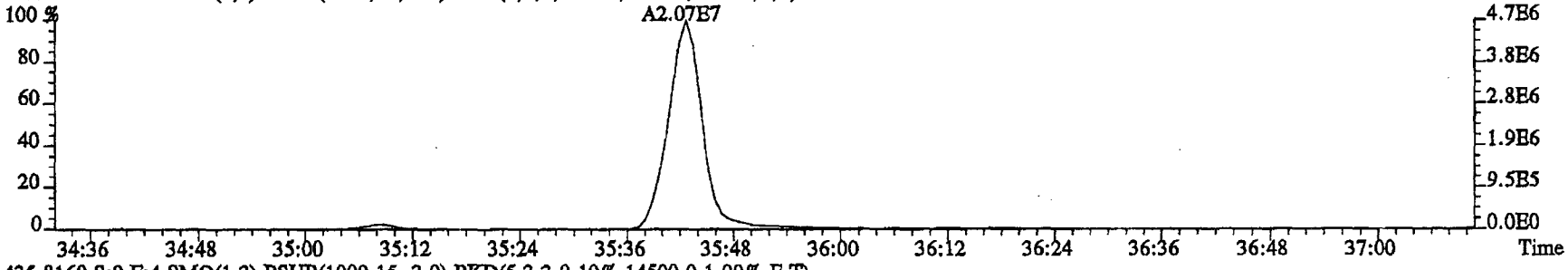
419.8220 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29228.0,1.00%,F,T)



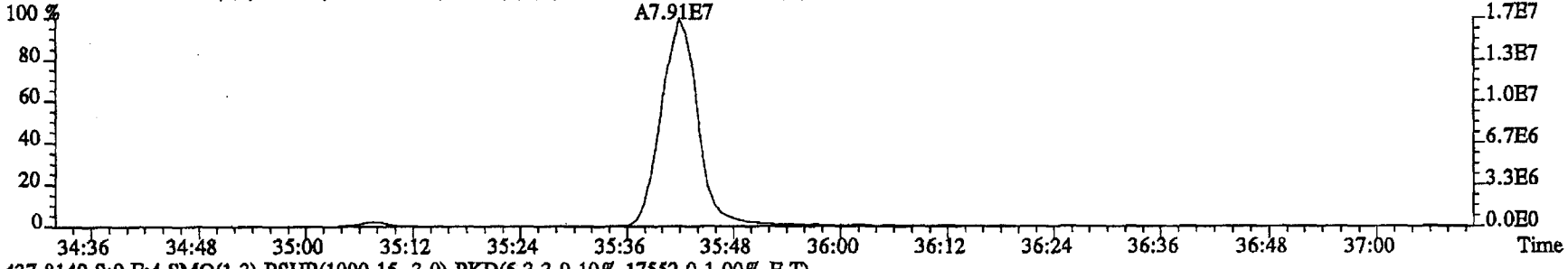
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
423.7766 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5152.0,1.00%,F,T)



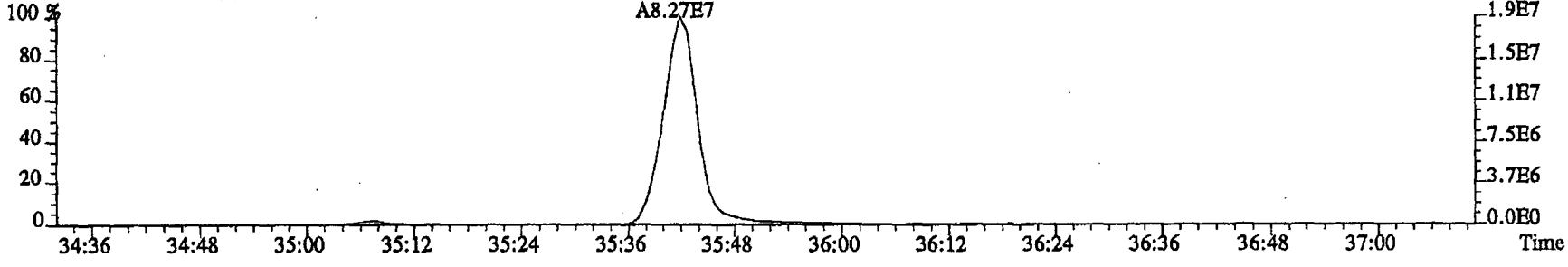
425.7737 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6224.0,1.00%,F,T)



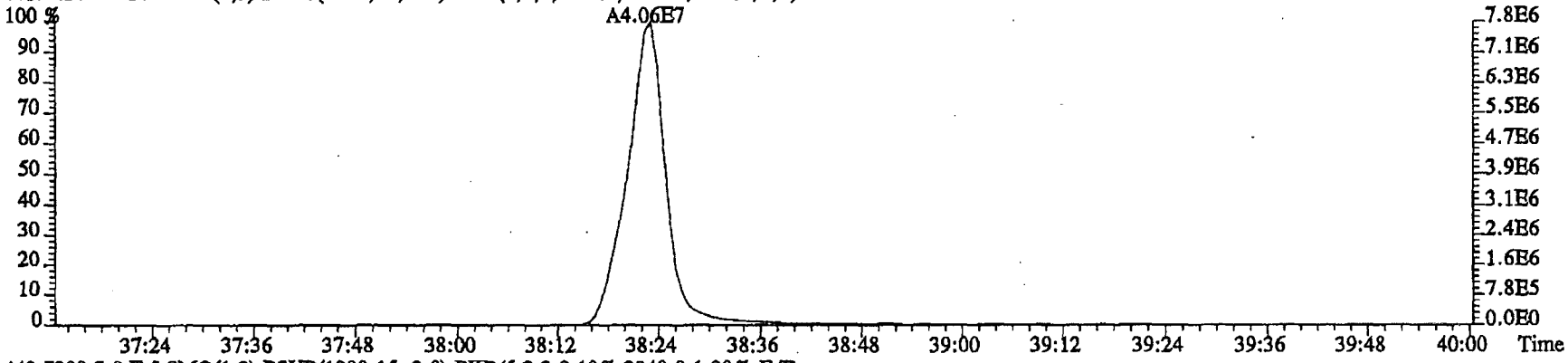
435.8169 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14500.0,1.00%,F,T)



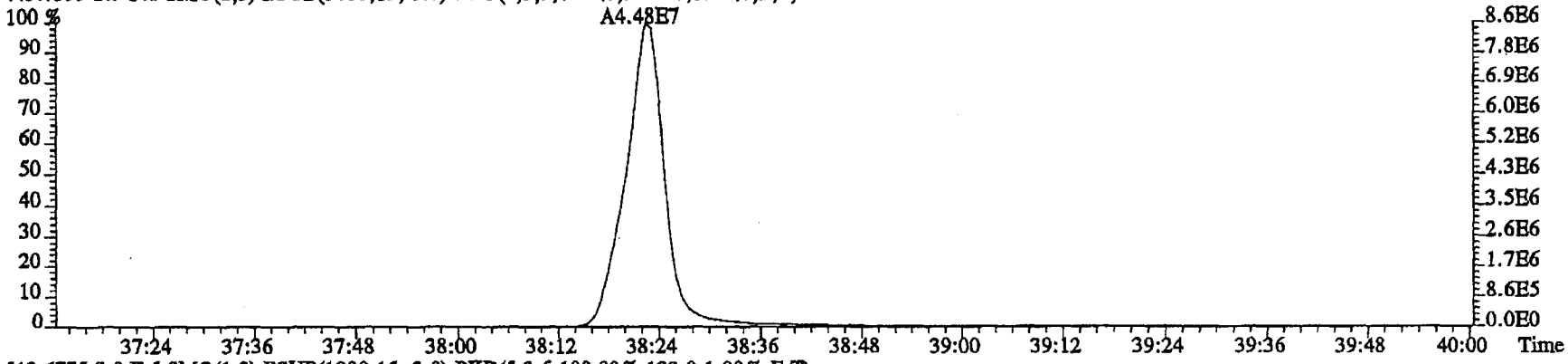
437.8140 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17552.0,1.00%,F,T)



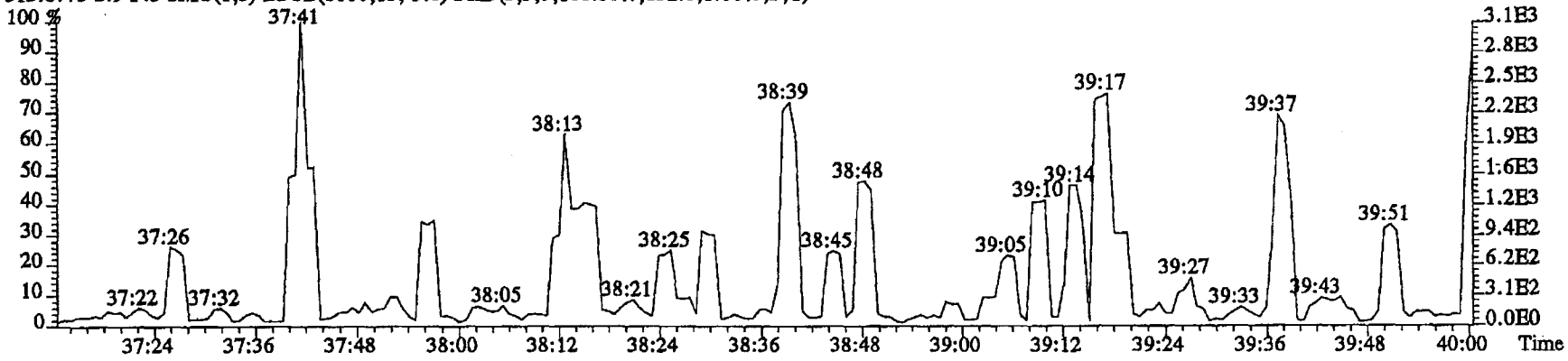
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4172.0,1.00%,F,T)



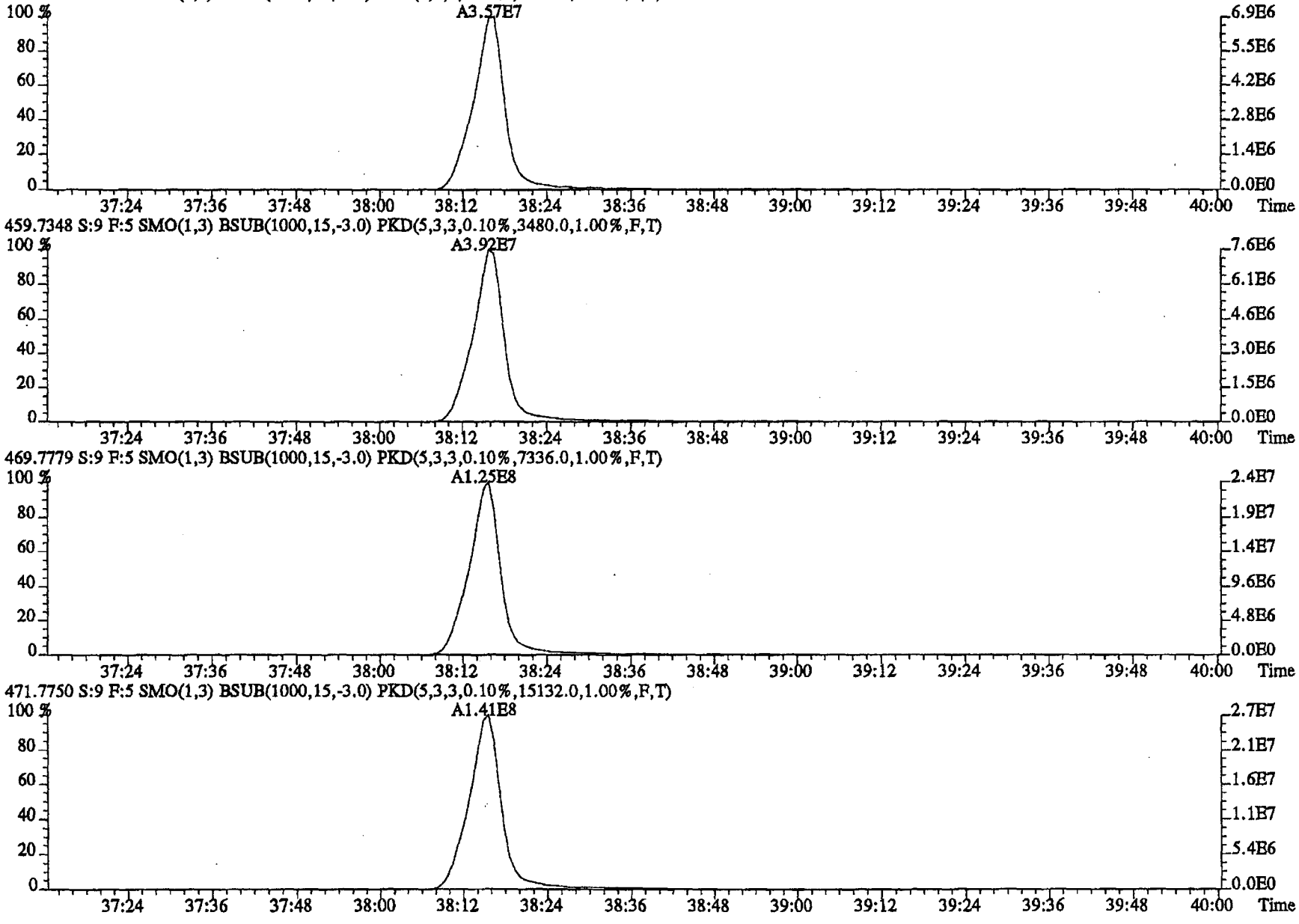
443.7399 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3848.0,1.00%,F,T)



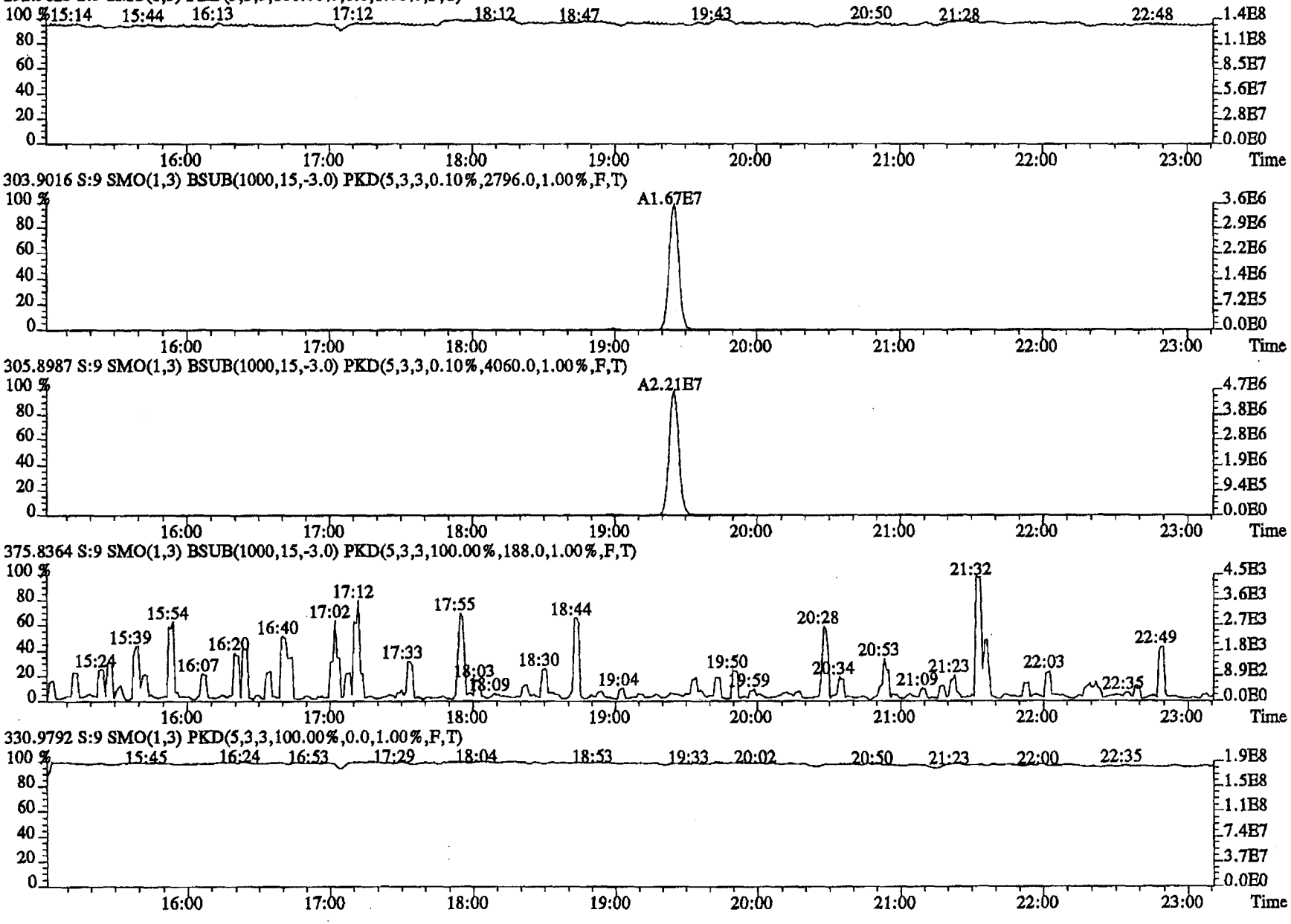
513.6775 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,132.0,1.00%,F,T)

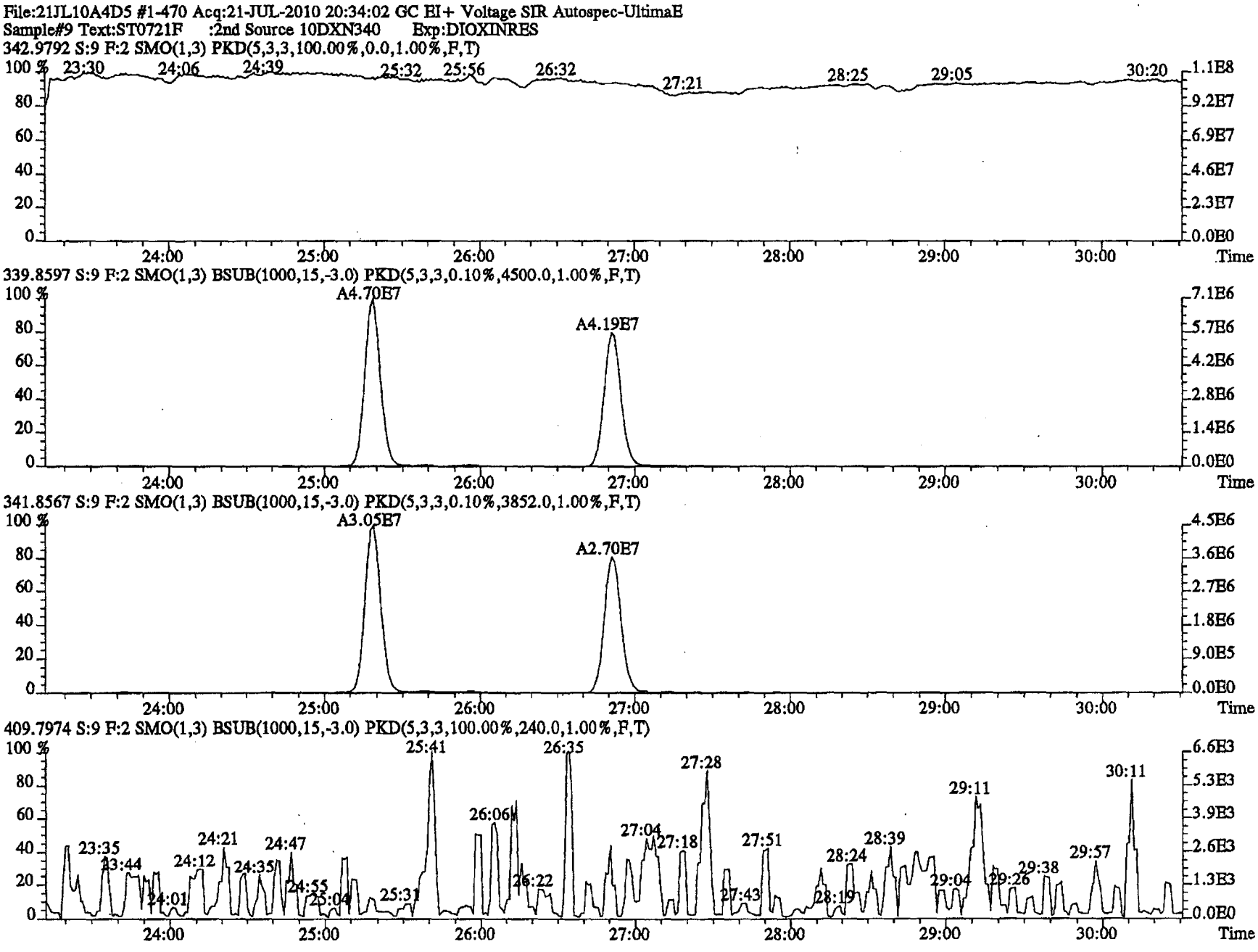


File:21JL10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



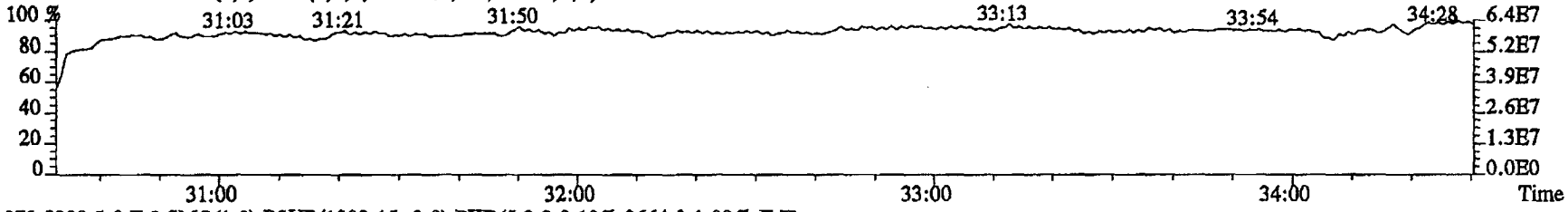
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



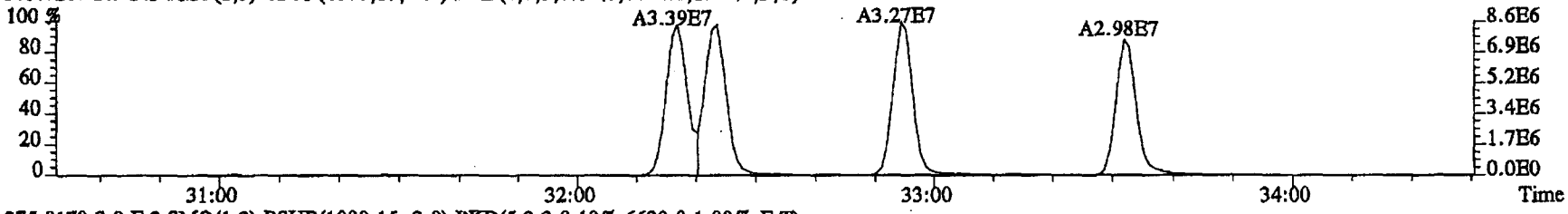


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES

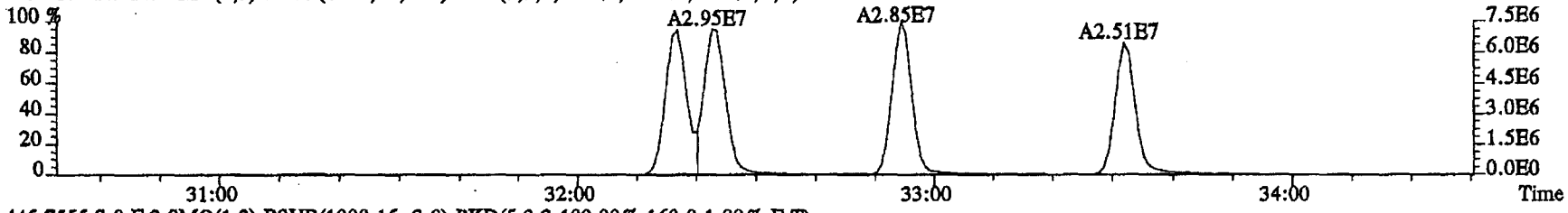
392.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



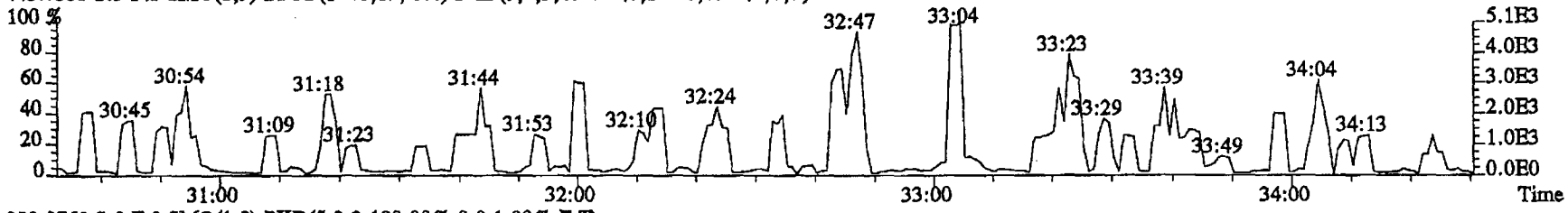
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8664.0,1.00%,F,T)



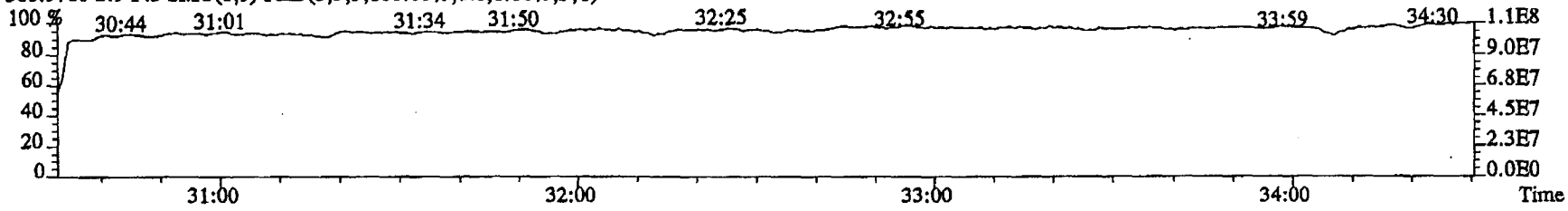
375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6628.0,1.00%,F,T)



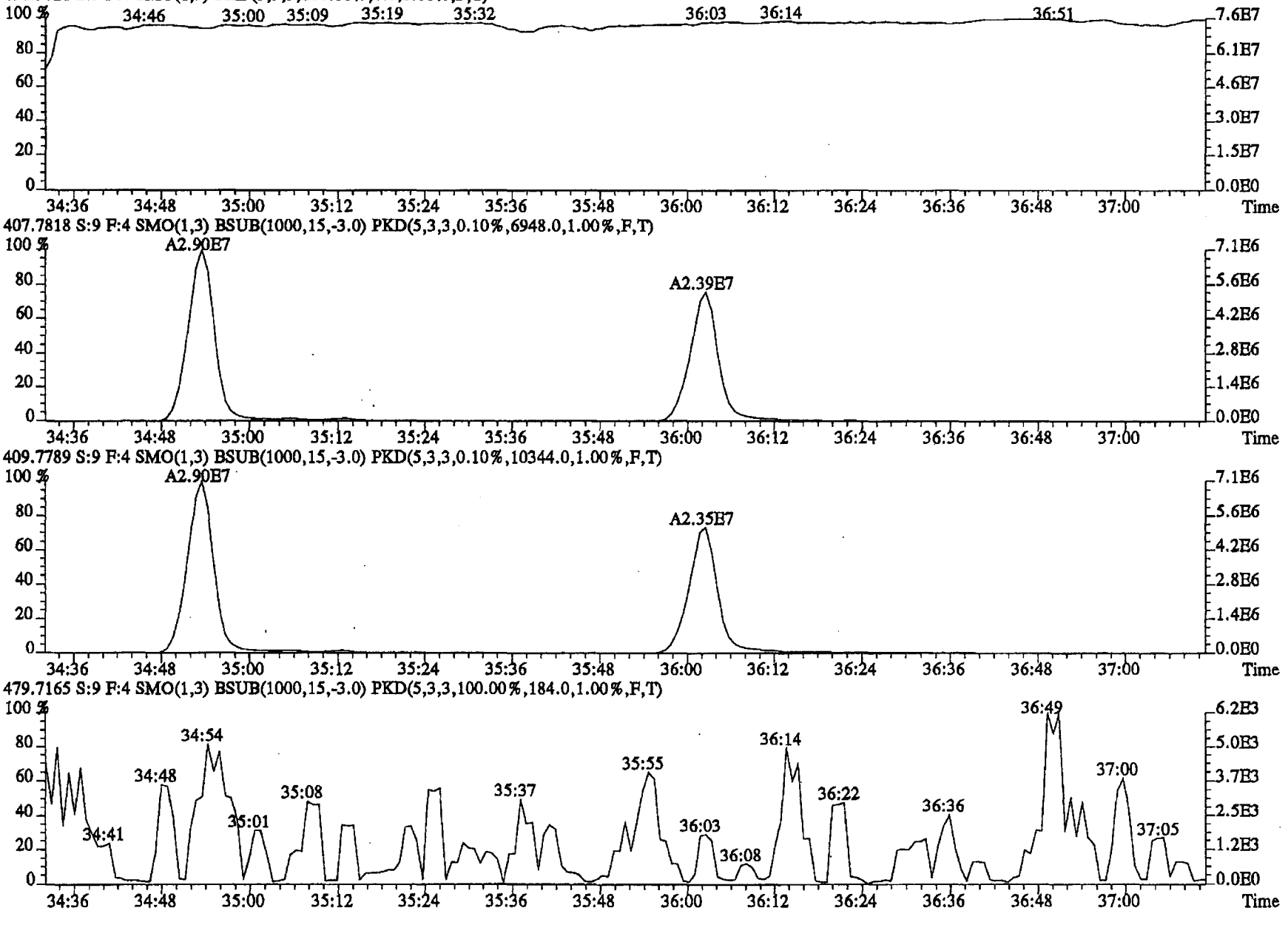
445.7555 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,168.0,1.00%,F,T)



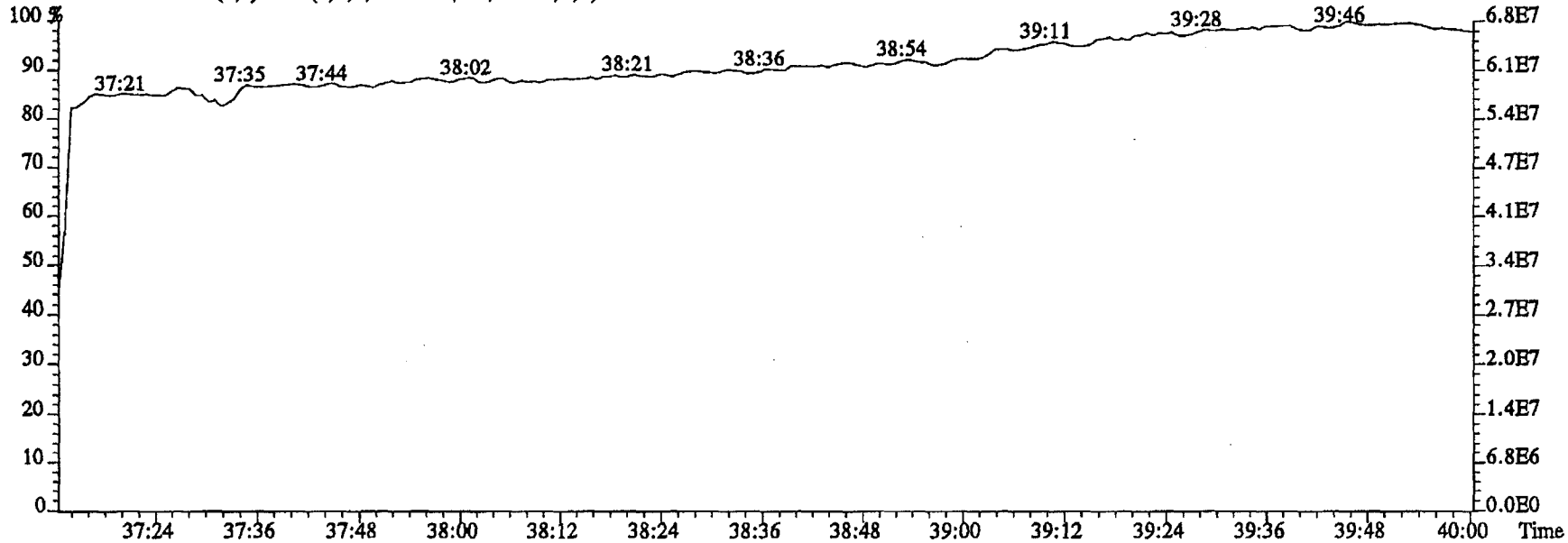
380.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



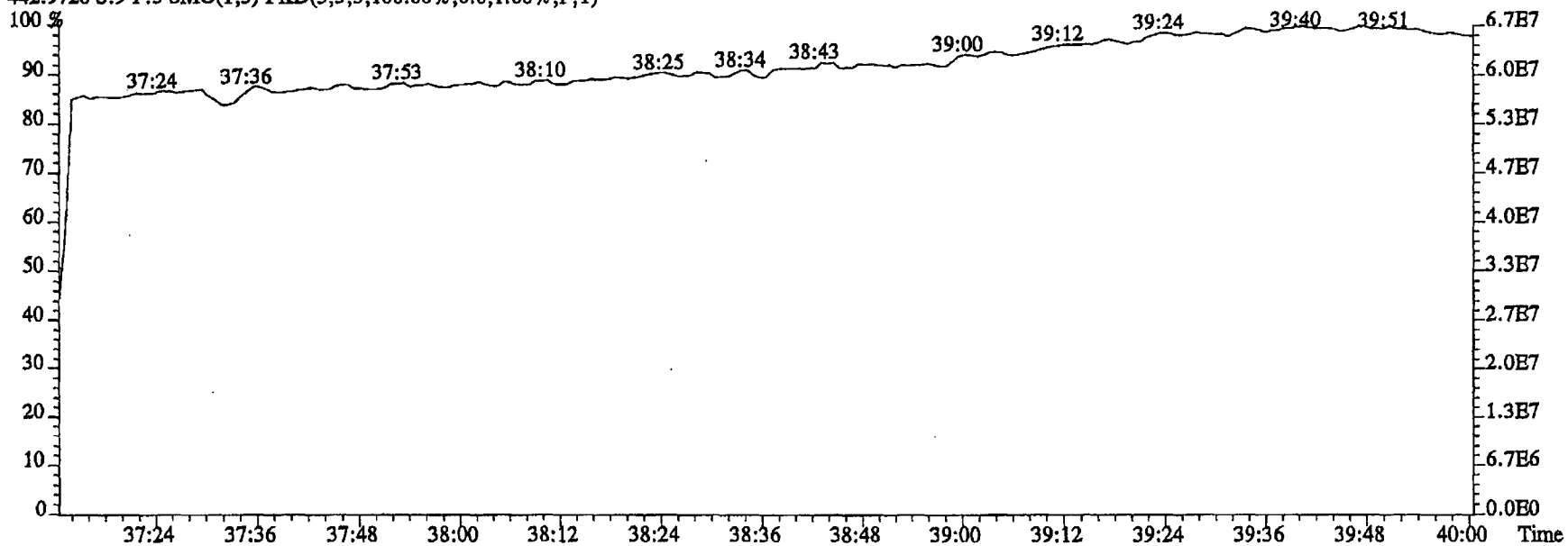
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



File:21JL10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Sample Extraction/Preparation Log Copies and Checklists

RUSH

TestAmerica
West Sacramento Laboratory

Air Toxics Group
Laboratory Prep Sheet
High RES Dioxin/Furans & PCB Analysis

Client: Northgate Lot Number: G0H260533 Date: 8/26/10

Test: TO-9 Batch Number: 023346 SOP Reference Number: WS-IDP-0005

Extraction: 1. Soxhlet On: 17:40 Off: 10:00 2. Soxhlet On: N/A Off: N/A

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or uL) (circle one)	Final Conc'n
MB	PULF	EL 8/26/10	EL 8/27/10		20 uL	
LCS						
LCSD					8/30/10	
1				8/30/10		8/30/10
2						
5						

All Samples/ Internal Standard (IS) addition: Standard Name: 8290/1613 Daily IS Exp: 10/31/10
Spike ID Number: 10DXN398 8/26/10 Volume: 20mL Conc. 2.0-4.0ng/mL
Spiked By: ECF Witnessed By: JZ Date: 8/26/10

LCS/LCSD: Standard Name: 8290/1613 Daily NS 5/26/11
Spike ID Number: 10DXN148 Volume: 100µL Conc. 4-40pg/µL
Spiked By: ECF Witnessed By: JZ Date: 8/26/10

Pre-spike samples: MB only Standard Name: TO-9 Daily Surr.
Spike ID Number: 09DXN351 Volume: ~~40~~ 200µL Conc. 8.0pg/µL 10/28/10
Spiked By: ECF Witnessed By: JZ Date: 8/26/10

All Samples /Recovery Standard: Standard Name: Daily RS
Spike ID Number: 10DXN225 Volume: 20.0µL Conc. 100.0pg/µL
Spiked By: [illegible] Witnessed By: CF JZ Date: 8/28/10

Split/Archive Analyst/Date 1/2	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
T.L 08/28/10	[illegible] 8/28/10	—	—	—

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	NA	20% DCM:Hexane	NA	2030-09C
Toluene	JT Baker	J17N71	65% DCM:Hexane	NA	2030-09B
Hexane	JT Baker	H49E38	Silica Gel	Whatman	4022-5C
H2SO4	JT Baker	NA	Acid Alumina	MP B10	79

Comments: _____

RUSH

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0238346 **Test:** TO-9

Prep Date: 8/26/10 **Holding Times:** 9/23/10 **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: JZ Date: 8/26/10

2nd Level Reviewer: [signature] Date: 8/30/10

Comments:

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 8/30/10
Time: 11:10:52

LEV 1	LEV 2		LEV 1	LEV 2	
Y	_	Blank	Y	_	Weights/Volumes
Y	_	Check	Y	_	Spike & Surrogate Worksheet
_	_	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: 403162 erica X. larson

Concentrationist: 006625 Elizabeth Nguyen

****
* *
* **QC BATCH: 0238346** *
* *
****

PREP DATE: 8/26/10 17:00
COMP DATE: 8/30/10 17:00

Reviewer/Date: NGUYENE / 8/30/10

Dioxins/Furans, HRGC/HRMS (TO-9)
SOXHLET (NONE,Na2SO4)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
9/23/10	9/02/10	G0H260533-001 **L563K-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN398/8290 IS
COMMENTS:															
9/23/10	9/02/10	G0H260533-002 **L5634-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN398/8290 IS
COMMENTS:															
9/23/10	9/02/10	G0H260533-005 **L564F-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN398/8290 IS
COMMENTS:															
9/23/10	0/00/00	G0H260000-346 **L568A-1-AA**B		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0*	200UL/09DXN351/TO-9 SURR 2.0ML/10DXN398/8290 IS
COMMENTS:															
9/23/10	0/00/00	G0H260000-346 **L568A-1-AC**C		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN148/8290 NS 2.0ML/10DXN398/8290 IS
COMMENTS:															
9/23/10	0/00/00	G0H260000-346 **L568A-1-AD**L	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN148/8290 NS 2.0ML/10DXN398/8290 IS
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

TestAmerica West Sacramento

Data Checklist
HRGCMS/LRGCMS Analyses

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0238346 Method ID: T09

	DB-5	DB-225
Data Analyst:	VP	
Date initiated:	9.2.16	
Reviewer:	MKwolf	
Date reviewed:	9/2/2016	

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	___	___
-Method Blank present?	✓	✓	___	___
-LCS/DCS copy present and meets native recovery criteria?	✓	✓	___	___
-Internal standard recoveries within limits?*	✓	✓	___	___
-Ion ratios within + 15% of theoretical values?	✓(1)	(1)	___	___
-Other QC (Dup,MS,SD) within specs?**	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?	✓	✓	___	___
-Have dilution calculations been verified?	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) See NCM

* 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