TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

September 17, 2010

TestAmerica Project Number: G0I040476
PO/Contract: 2027.07

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 September 4, 2010. These samples are associated with your Tronox Henderson - Air Monitoring 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 G0I040476

Case Narrative

TestAmerica West Sacramento Project Number G0I040476

AIR, TO-13, Semivolatile Organics
Sample(s): 7, 8, 9, 10, 11, 12
Water was noticed in the samples after extraction. This was caused by condensation leaking into the soxhlet body during extraction.

Sample(s): 7, 8, 9, 10, 11, 12
The surrogate recoveries for 1,2-Dichlorobenzene-d4 were low and outside criteria. However, the surrogate recoveries in the associated method blank is within established control limits. The results may be biased low. As these are air samples, re-extraction is not possible.

AIR, TO-9, Dioxins/Furans
Sample(s): 1, 2, 3, 4, 5, 6
Several analytes in each sample have been qualified with a "Q" flag due to the ion abundance ratios being outside of criteria. The analytes have been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

The recovery for the pre-spike compound 37CL-2,3,7,8-TCD 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 surrogate recovery is high in the samples this indicates there were no losses due to the sampling process. Also 37CL-2,3,7,8-TCDD is not used to quanitiate target analyte results and all internal standard recoveries are in control. There is no adverse impact to data quality due to the non-conformance.

Sample(s): 2, 6
The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on September 14, 2010.

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 G0I040476

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
L6K6V	1	UW-09012010B	9/1/2010 06:37 PM	9/4/2010 09:15 AM
L6K6W	2	DW-09012010B	9/1/2010 07:15 PM	9/4/2010 09:15 AM
L6K6X	3	UW-09022010B	9/2/2010 05:46 PM	9/4/2010 09:15 AM
L6K60	4	DW-09022010B	9/2/2010 06:24 PM	9/4/2010 09:15 AM
L6K61	5	UW-09022010A	9/2/2010 03:40 AM	9/4/2010 09:15 AM
L6K62	6	DW-09022010A	9/2/2010 04:07 AM	9/4/2010 09:15 AM
L6K63	7	UW-09012010B	9/1/2010 06:42 PM	9/4/2010 09:15 AM
L6K64	8	DW-09012010B	9/1/2010 07:20 PM	9/4/2010 09:15 AM
L6K65	9	UW-09022010B	9/1/2010 05:56 PM	9/4/2010 09:15 AM
L6K66	10	DW-09022010B	9/1/2010 06:17 PM	9/4/2010 09:15 AM
L6K67	11	UW-09022010A	9/2/2010 03:45 AM	9/4/2010 09:15 AM
L6K68	12	DW-09022010A	9/2/2010 04:10 AM	9/4/2010 09:15 AM

Notes(s):

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

northgate *environmental management, inc.*
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

Cooler # 1 of 1

COC # 2027.07.0005
Total # of Samples: 10
Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name	Test America Laboratories Inc	Site ID # 102	TRONOX LLC. HENDERSON	Send Invoice to:	Susan Crowley Tronox LLC.
Address	880 Riverside Parkway	Project #	2027.07	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 Alltucker	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.Alltucker@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

Regular | Rush | 5 day | Mark One

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	TO-9A/Dioxins, Furans	TO-13A/8270C/HCB
[redacted]	UW-09012010B		AA			9/1/2010	6:37 PM	1	Perimeter Air (425.04 m³)	X	
	UW-09012010B		AA			9/1/2010	6.42 PM	1	Perimeter Air (390.92 m³)		X
	DW-09012010B		AA			9/1/2010	7.15 PM	1	Perimeter Air (721.65 m³)	X	
	DW-09012010B		AA			9/1/2010	7.20 PM	1	Perimeter Air (456.70 m³)		X
	UW-09012010C		AA			9/1/2010	-	1	Perimeter Air - DISCARD		
	UW-09012010C		AA			9/1/2010	-	1	Perimeter Air - DISCARD		
	UW-09022010B		AA			9/2/2010	5.46 PM	1	Perimeter Air (377 56 m³)	X	
	UW-09022010B		AA			9/2/2010	5:56 PM	1	Perimeter Air (372 62 m³)		X
	DW-09022010B		AA			9/2/2010	6 17 PM	1	Perimeter Air (369 94 m³)		X
	DW-09022010B		AA			9/2/2010	6 24 PM	1	Perimeter Air (363 11 m³)	X	

Additional Comments/Special Instructions:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Nicky Galloway	9/3/2010	0855	[signature]	9-4-10	1100

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

SHIPPING INFO.

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nicky Galloway
SIGNATURE of SAMPLER: [signature] DATE Signed: 9/3/2010 Time: 0853

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: of
Cooler # 1 of 1

COC # 2027.07.0005

Total # of Samples: 6 Event Complete?

Required Ship to Lab:		Required Project Information:			Required Invoice Information			
Lab Name	Test America Laboratories Inc	Site ID #:102	TRONOX LLC. HENDERSON		Send Invoice to	Susan Crowley Tronox LLC.		
Address	880 Riverside Parkway	Project #	2027.07		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 Alltucker	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.Alltucker@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		

Regular | Rush | 5 day | Mark One

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Analysis: Filtered	Preservative	TO-8A/Dioxins, Furans	TO-13A/8270/OHCB
	UW-09022010A		AA			9/2/2010	3.40 AM	1	388.79 m³			X	
	UW-09022010A		AA			9/2/2010	3:45 AM	1	387 09 m³				X
	DW-09022010A		AA			9/2/2010	4:07 AM	1	387.69 m³			X	
	DW-09022010A		AA			9/2/2010	4.10 AM	1	393 57 m³				X

FB

Additional Comments/Special Instructions:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Francisco Barron	9/3	07:42		9-4-10	1100

Sample Receipt Conditions

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

SHIPPING INFO

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Francisco Barron

SIGNATURE of SAMPLER: Francisco Barron DATE Signed: Time:

TestAmerica

411111 THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT Northgate PM DA LOG # _____

LOT# (QUANTIMS ID) G0i040476 QUOTE# 84087 LOCATION W14D

Checked (✓)

DATE RECEIVED 9-4-10 TIME RECEIVED 915 ☑

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) _____

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

COC #(S) 2027.07.2005 ☑

TEMPERATURE BLANK Observed: 1 Corrected: 2

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: MA Average _____ Corrected Average _____

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☒ #5 ☐ ☐ OTHER _____ ☑

AV 9-4-10

Initials Date

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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

AV 9-4-10

Initials Date

Notes _____

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0I040476

	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-09012010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 007	**Work Order #....:**	L6K631AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/09/10	**Volume....:**	390.92
Prep Batch # ....:	0250370	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Steven Scott		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.026	0.0033	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	54	*	60 - 120
2-Fluorobiphenyl	78		58 - 105
2-Fluorophenol	66		41 - 105
Nitrobenzene-d5	70		46 - 118
Phenol-d5	76		43 - 122
Terphenyl-d14	82		69 - 110
2,4,6-Tribromophenol	91		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-09012010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 008	**Work Order #....:**	L6K641AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/09/10	**Volume....:**	456.7
Prep Batch # ....:	0250370	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Steven Scott		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.022	0.0028	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	45	*	60 - 120
2-Fluorobiphenyl	65		58 - 105
2-Fluorophenol	55		41 - 105
Nitrobenzene-d5	58		46 - 118
Phenol-d5	62		43 - 122
Terphenyl-d14	80		69 - 110
2,4,6-Tribromophenol	87		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: UW-09022010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 009	**Work Order #....:**	L6K651AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/09/10	**Volume....:**	372.62
Prep Batch # ....:	0250370	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Steven Scott		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.027	0.0035	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	46	*	60 - 120
2-Fluorobiphenyl	73		58 - 105
2-Fluorophenol	62		41 - 105
Nitrobenzene-d5	65		46 - 118
Phenol-d5	73		43 - 122
Terphenyl-d14	80		69 - 110
2,4,6-Tribromophenol	88		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-09022010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 010	**Work Order #....:**	L6K661AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/09/10	**Volume....:**	369.94
Prep Batch # ....:	0250370	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Steven Scott		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.027	0.0035	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	16	*	60 - 120
2-Fluorobiphenyl	71		58 - 105
2-Fluorophenol	60		41 - 105
Nitrobenzene-d5	62		46 - 118
Phenol-d5	70		43 - 122
Terphenyl-d14	78		69 - 110
2,4,6-Tribromophenol	87		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: UW-09022010A

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 011	**Work Order #....:**	L6K671AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/09/10	**Volume....:**	387.09
Prep Batch # ....:	0250370	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Steven Scott		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.026	0.0034	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	52	*	60 - 120
2-Fluorobiphenyl	65		58 - 105
2-Fluorophenol	57		41 - 105
Nitrobenzene-d5	61		46 - 118
Phenol-d5	66		43 - 122
Terphenyl-d14	75		69 - 110
2,4,6-Tribromophenol	82		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-09022010A

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 012	**Work Order #....:**	L6K681AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/09/10	**Volume....:**	393.57
Prep Batch # ....:	0250370	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Steven Scott		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.025	0.0033	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	53	*	60 - 120
2-Fluorobiphenyl	68		58 - 105
2-Fluorophenol	59		41 - 105
Nitrobenzene-d5	62		46 - 118
Phenol-d5	66		43 - 122
Terphenyl-d14	79		69 - 110
2,4,6-Tribromophenol	83		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

G0I040476

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-9		0250369	
002	AA	EPA-2 TO-9		0250369	
003	AA	EPA-2 TO-9		0250369	
004	AA	EPA-2 TO-9		0250369	
005	AA	EPA-2 TO-9		0250369	
006	AA	EPA-2 TO-9		0250369	
007	AA	EPA-2 TO-13		0250370	
008	AA	EPA-2 TO-13		0250370	
009	AA	EPA-2 TO-13		0250370	
010	AA	EPA-2 TO-13		0250370	
011	AA	EPA-2 TO-13		0250370	
012	AA	EPA-2 TO-13		0250370	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0I070000 - 370B	**Work Order #....:**	L6L6T1AA	**Matrix....:**	AIR
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/09/10	**Volume....:**	0
Prep Batch # ....:	0250370	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Steven Scott		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	66	60 - 120
2-Fluorobiphenyl	70	58 - 105
2-Fluorophenol	59	41 - 105
Nitrobenzene-d5	60	46 - 118
Phenol-d5	69	43 - 122
Terphenyl-d14	81	69 - 110
2,4,6-Tribromophenol	86	61 - 118

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0I040476	**Work Order # ...:**	L6L6T1AC-LCS L6L6T1AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0I070000 - 370				
Prep Date .....:	09/07/10	**Analysis Date ..:**	09/09/10		
Prep Batch # ...:	0250370				
Dilution Factor :	1				
Analyst ID.....:	Steven Scott	**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**	**86.8**	**ug**	**87**	**(70 - 110)**		
	100	**91.6**	**ug**	**92**	**(70 - 110)**	**5.3**	**(0 - 30)**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	83	(58 - 105)
	80	(58 - 105)
2-Fluorophenol	63	(41 - 105)
	58	(41 - 105)
Nitrobenzene-d5	71	(46 - 118)
	66	(46 - 118)
Phenol-d5	76	(43 - 122)
	68	(43 - 122)
Terphenyl-d14	80	(69 - 110)
	80	(69 - 110)
2,4,6-Tribromophenol	92	(61 - 118)
	92	(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-09012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 001	**Work Order #....:**	L6K6V1AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	425.04
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

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	**6.7**		**100**		
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	**1.9**		**100**		
1,2,3,4,6,7,8-HpCDD	**7.4**	**J B**	**100**	**0.01**	**0.00017**
Total HpCDD	**14**		**100**		
OCDD	**33**	**J**	**200**	**0.0003**	**0.000023**
2,3,7,8-TCDF	**3.6**	**J**	**20**	**0.1**	**0.00085**
Total TCDF	**5.1**		**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	**3.3**		**100**		
1,2,3,4,7,8-HxCDF	**3.3**	**J B**	**100**	**0.1**	**0.00078**
1,2,3,6,7,8-HxCDF	**1.2**	**J Q B**	**100**	**0.1**	**0.00028**
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	**9.9**		**100**		
1,2,3,4,6,7,8-HpCDF	**11**	**J Q**	**100**	**0.01**	**0.00026**
1,2,3,4,7,8,9-HpCDF	**3.8**	**J**	**100**	**0.01**	**0.000089**
Total HpCDF	**19**		**100**		
OCDF	**16**	**J**	**200**	**0.0003**	**0.000011**
Total TEQ Concentration					**0.0025**

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Northgate Environmental Management, Inc.

Sample ID: UW-09012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 001	**Work Order #....:**	L6K6V1AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	425.04
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	81	50 - 120
13C-1,2,3,6,7,8-HxCDD	92	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	95	40 - 120
13C-OCDD	88	40 - 120
13C-2,3,7,8-TCDF	96	50 - 120
13C-1,2,3,7,8-PeCDF	90	50 - 120
13C-1,2,3,4,7,8-HxCDF	92	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	173	*	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: UW-09012010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 001	**Work Order #....:**	L6K6V1AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	425.04
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.047	0.0033	pg/m3
Total TCDD	ND		0.047	0.0033	pg/m3
1,2,3,7,8-PeCDD	ND		0.24	0.0087	pg/m3
Total PeCDD	**0.016**		**0.24**	**0.0087**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.24	0.0040	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.24	0.0035	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.24	0.0035	pg/m3
Total HxCDD	**0.0045**		**0.24**	**0.0035**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.017**	**J B**	**0.24**	**0.0042**	**pg/m3**
Total HpCDD	**0.033**		**0.24**	**0.0042**	**pg/m3**
OCDD	**0.077**	**J**	**0.47**	**0.0056**	**pg/m3**
2,3,7,8-TCDF	**0.0084**	**J**	**0.047**	**0.0026**	**pg/m3**
Total TCDF	**0.012**		**0.047**	**0.0026**	**pg/m3**
1,2,3,7,8-PeCDF	ND		0.24	0.0038	pg/m3
2,3,4,7,8-PeCDF	ND		0.24	0.0038	pg/m3
Total PeCDF	**0.0078**		**0.24**	**0.0038**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.0077**	**J B**	**0.24**	**0.0028**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.0029**	**J Q B**	**0.24**	**0.0028**	**pg/m3**
2,3,4,6,7,8-HxCDF	ND		0.24	0.0028	pg/m3
1,2,3,7,8,9-HxCDF	ND		0.24	0.0033	pg/m3
Total HxCDF	**0.023**		**0.24**	**0.0028**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.025**	**J Q**	**0.24**	**0.0035**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.0090**	**J**	**0.24**	**0.0042**	**pg/m3**
Total HpCDF	**0.044**		**0.24**	**0.0038**	**pg/m3**
OCDF	**0.038**	**J**	**0.47**	**0.0059**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	81	50 - 120
13C-1,2,3,6,7,8-HxCDD	92	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	95	40 - 120
13C-OCDD	88	40 - 120
13C-2,3,7,8-TCDF	96	50 - 120
13C-1,2,3,7,8-PeCDF	90	50 - 120
13C-1,2,3,4,7,8-HxCDF	92	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	173	*	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-09012010B

Trace Level Compounds

Lot - Sample #....:	G01040476 - 001	**Work Order #....:**	L6K6V1AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	425.04
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

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-09012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 002	**Work Order #....:**	L6K6W1AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	721.65
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	5.6	J Q	20	1.0	0.0078
Total TCDD	210		20		
1,2,3,7,8-PeCDD	26	J	100	1.0	0.036
Total PeCDD	280		100		
1,2,3,4,7,8-HxCDD	19	J B	100	0.1	0.0026
1,2,3,6,7,8-HxCDD	36	J B	100	0.1	0.0050
1,2,3,7,8,9-HxCDD	24	J B	100	0.1	0.0033
Total HxCDD	270		100		
1,2,3,4,6,7,8-HpCDD	140	B	100	0.01	0.0019
Total HpCDD	210		100		
OCDD	160	J	200	0.0003	0.000067
2,3,7,8-TCDF	150	CON	20	0.1	0.021
Total TCDF	1900		20		
1,2,3,7,8-PeCDF	290		100	0.03	0.012
2,3,4,7,8-PeCDF	160		100	0.3	0.067
Total PeCDF	2200		100		
1,2,3,4,7,8-HxCDF	530	B	100	0.1	0.073
1,2,3,6,7,8-HxCDF	410	B	100	0.1	0.057
2,3,4,6,7,8-HxCDF	98	J	100	0.1	0.014
1,2,3,7,8,9-HxCDF	65	J B	100	0.1	0.0090
Total HxCDF	3100		100		
1,2,3,4,6,7,8-HpCDF	1700		100	0.01	0.024
1,2,3,4,7,8,9-HpCDF	690		100	0.01	0.0096
Total HpCDF	3500		100		
OCDF	4200		200	0.0003	0.0017
Total TEQ Concentration					0.34

Northgate Environmental Management, Inc.

Sample ID: DW-09012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G01040476 - 002	**Work Order #....:**	L6K6W1AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	721.65
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	50 - 120
13C-1,2,3,7,8-PeCDD	81	50 - 120
13C-1,2,3,6,7,8-HxCDD	89	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 120
13C-OCDD	90	40 - 120
13C-2,3,7,8-TCDF	93	50 - 120
13C-1,2,3,7,8-PeCDF	91	50 - 120
13C-1,2,3,4,7,8-HxCDF	87	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	93	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	174	*	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.
CON	Confirmation analysis
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-09012010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 002	Work Order #....:	L6K6W1AA	Matrix....:	AA
Date Sampled....:	09/01/10	Date Received....:	09/04/10	Dilution Factor....:	1
Prep Date....:	09/07/10	Analysis Date....:	09/14/10	Volume....:	721.65
Prep Batch # ....:	0250369	Instrument ID....:	4D5	Method....:	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	0.0078	J Q	0.028	0.0019	pg/m3
Total TCDD	0.29		0.028	0.0019	pg/m3
1,2,3,7,8-PeCDD	0.036	J	0.14	0.0050	pg/m3
Total PeCDD	0.39		0.14	0.0050	pg/m3
1,2,3,4,7,8-HxCDD	0.027	J B	0.14	0.0026	pg/m3
1,2,3,6,7,8-HxCDD	0.050	J B	0.14	0.0024	pg/m3
1,2,3,7,8,9-HxCDD	0.033	J B	0.14	0.0022	pg/m3
Total HxCDD	0.37		0.14	0.0024	pg/m3
1,2,3,4,6,7,8-HpCDD	0.19	B	0.14	0.0032	pg/m3
Total HpCDD	0.29		0.14	0.0032	pg/m3
OCDD	0.22	J	0.28	0.0040	pg/m3
2,3,7,8-TCDF	0.21	CON	0.028	0.0050	pg/m3
Total TCDF	2.6		0.028	0.0029	pg/m3
1,2,3,7,8-PeCDF	0.40		0.14	0.012	pg/m3
2,3,4,7,8-PeCDF	0.22		0.14	0.013	pg/m3
Total PeCDF	3.1		0.14	0.013	pg/m3
1,2,3,4,7,8-HxCDF	0.73	B	0.14	0.011	pg/m3
1,2,3,6,7,8-HxCDF	0.57	B	0.14	0.011	pg/m3
2,3,4,6,7,8-HxCDF	0.14	J	0.14	0.011	pg/m3
1,2,3,7,8,9-HxCDF	0.090	J B	0.14	0.012	pg/m3
Total HxCDF	4.3		0.14	0.011	pg/m3
1,2,3,4,6,7,8-HpCDF	2.4		0.14	0.0060	pg/m3
1,2,3,4,7,8,9-HpCDF	0.95		0.14	0.0075	pg/m3
Total HpCDF	4.8		0.14	0.0067	pg/m3
OCDF	5.9		0.28	0.0055	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	50 - 120
13C-1,2,3,7,8-PeCDD	81	50 - 120
13C-1,2,3,6,7,8-HxCDD	89	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 120
13C-OCDD	90	40 - 120
13C-2,3,7,8-TCDF	93	50 - 120
13C-1,2,3,7,8-PeCDF	91	50 - 120
13C-1,2,3,4,7,8-HxCDF	87	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	93	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	174	*	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-09012010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 002	**Work Order #....:**	L6K6W1AA	**Matrix....:**	AA
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	721.65
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

QUALIFIERS

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

Northgate Environmental Management, Inc.

Sample ID: UW-09022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 003	**Work Order #....:**	L6K6X1AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	377.56
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

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	**4.5**		**100**		
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	**1.4**		**100**		
1,2,3,4,6,7,8-HpCDD	**5.6**	**J B**	**100**	**0.01**	**0.00015**
Total HpCDD	**11**		**100**		
OCDD	**28**	**J**	**200**	**0.0003**	**0.000022**
2,3,7,8-TCDF	**2.6**	**J Q**	**20**	**0.1**	**0.00069**
Total TCDF	**7.7**		**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	ND		100		0
1,2,3,4,7,8-HxCDF	**3.0**	**J B**	**100**	**0.1**	**0.00079**
1,2,3,6,7,8-HxCDF	**2.1**	**J Q B**	**100**	**0.1**	**0.00056**
2,3,4,6,7,8-HxCDF	**1.5**	**J**	**100**	**0.1**	**0.00040**
1,2,3,7,8,9-HxCDF	**0.98**	**J Q B**	**100**	**0.1**	**0.00026**
Total HxCDF	**12**		**100**		
1,2,3,4,6,7,8-HpCDF	**9.9**	**J Q**	**100**	**0.01**	**0.00026**
1,2,3,4,7,8,9-HpCDF	**2.7**	**J Q**	**100**	**0.01**	**0.000072**
Total HpCDF	**18**		**100**		
OCDF	**20**	**J**	**200**	**0.0003**	**0.000016**
Total TEQ Concentration					**0.0032**

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Northgate Environmental Management, Inc.

Sample ID: UW-09022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 003	**Work Order #....:**	L6K6X1AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	377.56
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	50 - 120
13C-1,2,3,7,8-PeCDD	85	50 - 120
13C-1,2,3,6,7,8-HxCDD	103	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	101	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	99	50 - 120
13C-1,2,3,7,8-PeCDF	92	50 - 120
13C-1,2,3,4,7,8-HxCDF	93	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	103	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

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: UW-09022010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 003	**Work Order #....:**	L6K6X1AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	377.56
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.053	0.0037	pg/m3
Total TCDD	ND		0.053	0.0037	pg/m3
1,2,3,7,8-PeCDD	ND		0.26	0.0082	pg/m3
Total PeCDD	**0.012**		**0.26**	**0.0082**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.26	0.0040	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.26	0.0037	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.26	0.0037	pg/m3
Total HxCDD	**0.0038**		**0.26**	**0.0037**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.015**	**J B**	**0.26**	**0.0066**	**pg/m3**
Total HpCDD	**0.030**		**0.26**	**0.0066**	**pg/m3**
OCDD	**0.074**	**J**	**0.53**	**0.0053**	**pg/m3**
2,3,7,8-TCDF	**0.0068**	**J Q**	**0.053**	**0.0029**	**pg/m3**
Total TCDF	**0.020**		**0.053**	**0.0029**	**pg/m3**
1,2,3,7,8-PeCDF	ND		0.26	0.0058	pg/m3
2,3,4,7,8-PeCDF	ND		0.26	0.0061	pg/m3
Total PeCDF	ND		0.26	0.0061	pg/m3
1,2,3,4,7,8-HxCDF	**0.0079**	**J B**	**0.26**	**0.0020**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.0056**	**J Q B**	**0.26**	**0.0019**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0040**	**J**	**0.26**	**0.0020**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0026**	**J Q B**	**0.26**	**0.0022**	**pg/m3**
Total HxCDF	**0.032**		**0.26**	**0.0020**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.026**	**J Q**	**0.26**	**0.0037**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.0070**	**J Q**	**0.26**	**0.0045**	**pg/m3**
Total HpCDF	**0.049**		**0.26**	**0.0040**	**pg/m3**
OCDF	**0.052**	**J**	**0.53**	**0.0072**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	50 - 120
13C-1,2,3,7,8-PeCDD	85	50 - 120
13C-1,2,3,6,7,8-HxCDD	103	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	101	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	99	50 - 120
13C-1,2,3,7,8-PeCDF	92	50 - 120
13C-1,2,3,4,7,8-HxCDF	93	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	103	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-09022010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 003	**Work Order #....:**	L6K6X1AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	377.56
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

QUALIFIERS

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-09022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 004	**Work Order #....:**	L6K601AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	363.11
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	**7.4**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	**13**		**100**		
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	**2.5**	**J B**	**100**	**0.1**	**0.00069**
Total HxCDD	**11**		**100**		
1,2,3,4,6,7,8-HpCDD	**6.3**	**J Q B**	**100**	**0.01**	**0.00017**
Total HpCDD	**14**		**100**		
OCDD	**26**	**J**	**200**	**0.0003**	**0.000021**
2,3,7,8-TCDF	**17**	**J**	**20**	**0.1**	**0.0047**
Total TCDF	**100**		**20**		
1,2,3,7,8-PeCDF	**10**	**J Q**	**100**	**0.03**	**0.00083**
2,3,4,7,8-PeCDF	**6.4**	**J**	**100**	**0.3**	**0.0053**
Total PeCDF	**65**		**100**		
1,2,3,4,7,8-HxCDF	**23**	**J B**	**100**	**0.1**	**0.0063**
1,2,3,6,7,8-HxCDF	**14**	**J Q B**	**100**	**0.1**	**0.0039**
2,3,4,6,7,8-HxCDF	**4.8**	**J**	**100**	**0.1**	**0.0013**
1,2,3,7,8,9-HxCDF	**6.1**	**J B**	**100**	**0.1**	**0.0017**
Total HxCDF	**110**		**100**		
1,2,3,4,6,7,8-HpCDF	**51**	**J Q**	**100**	**0.01**	**0.0014**
1,2,3,4,7,8,9-HpCDF	**19**	**J**	**100**	**0.01**	**0.00052**
Total HpCDF	**100**		**100**		
OCDF	**110**	**J**	**200**	**0.0003**	**0.000091**
Total TEQ Concentration					**0.027**

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Northgate Environmental Management, Inc.

Sample ID: DW-09022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 004	**Work Order #....:**	L6K601AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	363.11
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	50 - 120
13C-1,2,3,7,8-PeCDD	78	50 - 120
13C-1,2,3,6,7,8-HxCDD	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 120
13C-OCDD	89	40 - 120
13C-2,3,7,8-TCDF	91	50 - 120
13C-1,2,3,7,8-PeCDF	89	50 - 120
13C-1,2,3,4,7,8-HxCDF	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	102	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.

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-09022010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 004	**Work Order #....:**	L6K601AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	363.11
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.055	0.0039	pg/m3
Total TCDD	**0.020**		**0.055**	**0.0039**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.28	0.0096	pg/m3
Total PeCDD	**0.036**		**0.28**	**0.0096**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.28	0.0055	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.28	0.0050	pg/m3
1,2,3,7,8,9-HxCDD	**0.0069**	**J B**	**0.28**	**0.0047**	**pg/m3**
Total HxCDD	**0.030**		**0.28**	**0.0050**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.017**	**J Q B**	**0.28**	**0.0063**	**pg/m3**
Total HpCDD	**0.037**		**0.28**	**0.0063**	**pg/m3**
OCDD	**0.071**	**J**	**0.55**	**0.0055**	**pg/m3**
2,3,7,8-TCDF	**0.047**	**J**	**0.055**	**0.0044**	**pg/m3**
Total TCDF	**0.28**		**0.055**	**0.0044**	**pg/m3**
1,2,3,7,8-PeCDF	**0.029**	**J Q**	**0.28**	**0.0050**	**pg/m3**
2,3,4,7,8-PeCDF	**0.018**	**J**	**0.28**	**0.0052**	**pg/m3**
Total PeCDF	**0.18**		**0.28**	**0.0052**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.063**	**J B**	**0.28**	**0.0030**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.039**	**J Q B**	**0.28**	**0.0030**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.013**	**J**	**0.28**	**0.0030**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.017**	**J B**	**0.28**	**0.0036**	**pg/m3**
Total HxCDF	**0.29**		**0.28**	**0.0033**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.14**	**J Q**	**0.28**	**0.0058**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.053**	**J**	**0.28**	**0.0072**	**pg/m3**
Total HpCDF	**0.28**		**0.28**	**0.0063**	**pg/m3**
OCDF	**0.31**	**J**	**0.55**	**0.0055**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	50 - 120
13C-1,2,3,7,8-PeCDD	78	50 - 120
13C-1,2,3,6,7,8-HxCDD	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 120
13C-OCDD	89	40 - 120
13C-2,3,7,8-TCDF	91	50 - 120
13C-1,2,3,7,8-PeCDF	89	50 - 120
13C-1,2,3,4,7,8-HxCDF	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	102	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-09022010B

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 004	**Work Order #....:**	L6K601AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	363.11
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

QUALIFIERS

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: UW-09022010A

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 005	**Work Order #....:**	L6K611AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	388.79
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

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	**4.7**		**100**		
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	**2.0**		**100**		
1,2,3,4,6,7,8-HpCDD	**4.7**	**J Q B**	**100**	**0.01**	**0.00012**
Total HpCDD	**9.8**		**100**		
OCDD	**30**	**J**	**200**	**0.0003**	**0.000023**
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	**3.9**		**100**		
1,2,3,4,7,8-HxCDF	**4.0**	**J Q B**	**100**	**0.1**	**0.0010**
1,2,3,6,7,8-HxCDF	**2.2**	**J Q B**	**100**	**0.1**	**0.00057**
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	**10**		**100**		
1,2,3,4,6,7,8-HpCDF	**9.9**	**J Q**	**100**	**0.01**	**0.00025**
1,2,3,4,7,8,9-HpCDF	**3.0**	**J Q**	**100**	**0.01**	**0.000077**
Total HpCDF	**16**		**100**		
OCDF	**19**	**J Q**	**200**	**0.0003**	**0.000015**
Total TEQ Concentration					**0.0021**

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Northgate Environmental Management, Inc.

Sample ID: UW-09022010A

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 005	**Work Order #....:**	L6K611AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	388.79
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	50 - 120
13C-1,2,3,7,8-PeCDD	71	50 - 120
13C-1,2,3,6,7,8-HxCDD	81	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	85	40 - 120
13C-OCDD	79	40 - 120
13C-2,3,7,8-TCDF	85	50 - 120
13C-1,2,3,7,8-PeCDF	82	50 - 120
13C-1,2,3,4,7,8-HxCDF	75	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	81	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	172	*	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-09022010A

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 005	**Work Order #....:**	L6K611AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	388.79
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.051	0.0041	pg/m3
Total TCDD	ND		0.051	0.0041	pg/m3
1,2,3,7,8-PeCDD	ND		0.26	0.0062	pg/m3
Total PeCDD	**0.012**		**0.26**	**0.0062**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.26	0.0041	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.26	0.0039	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.26	0.0036	pg/m3
Total HxCDD	**0.0052**		**0.26**	**0.0039**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.012**	**J Q B**	**0.26**	**0.0054**	**pg/m3**
Total HpCDD	**0.025**		**0.26**	**0.0054**	**pg/m3**
OCDD	**0.076**	**J**	**0.51**	**0.0039**	**pg/m3**
2,3,7,8-TCDF	ND		0.051	0.0054	pg/m3
Total TCDF	ND		0.051	0.0054	pg/m3
1,2,3,7,8-PeCDF	ND		0.26	0.0046	pg/m3
2,3,4,7,8-PeCDF	ND		0.26	0.0046	pg/m3
Total PeCDF	**0.0100**		**0.26**	**0.0046**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.010**	**J Q B**	**0.26**	**0.0018**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.0056**	**J Q B**	**0.26**	**0.0017**	**pg/m3**
2,3,4,6,7,8-HxCDF	ND		0.26	0.0033	pg/m3
1,2,3,7,8,9-HxCDF	ND		0.26	0.0020	pg/m3
Total HxCDF	**0.026**		**0.26**	**0.0018**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.025**	**J Q**	**0.26**	**0.0033**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.0077**	**J Q**	**0.26**	**0.0044**	**pg/m3**
Total HpCDF	**0.041**		**0.26**	**0.0039**	**pg/m3**
OCDF	**0.050**	**J Q**	**0.51**	**0.0051**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	50 - 120
13C-1,2,3,7,8-PeCDD	71	50 - 120
13C-1,2,3,6,7,8-HxCDD	81	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	85	40 - 120
13C-OCDD	79	40 - 120
13C-2,3,7,8-TCDF	85	50 - 120
13C-1,2,3,7,8-PeCDF	82	50 - 120
13C-1,2,3,4,7,8-HxCDF	75	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	81	40 - 120

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	172	*	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-09022010A

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 005	**Work Order #....:**	L6K611AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	388.79
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

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-09022010A

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 006	**Work Order #....:**	L6K621AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	387.69
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	16	J	20	1.0	0.041
Total TCDD	560		20		
1,2,3,7,8-PeCDD	62	J	100	1.0	0.16
Total PeCDD	680		100		
1,2,3,4,7,8-HxCDD	44	J B	100	0.1	0.011
1,2,3,6,7,8-HxCDD	84	J B	100	0.1	0.022
1,2,3,7,8,9-HxCDD	57	J B	100	0.1	0.015
Total HxCDD	610		100		
1,2,3,4,6,7,8-HpCDD	310	B	100	0.01	0.0080
Total HpCDD	460		100		
OCDD	310		200	0.0003	0.00024
2,3,7,8-TCDF	340	CON	20	0.1	0.088
Total TCDF	5100		20		
1,2,3,7,8-PeCDF	640		100	0.03	0.050
2,3,4,7,8-PeCDF	370		100	0.3	0.29
Total PeCDF	5600		100		
1,2,3,4,7,8-HxCDF	1200	B	100	0.1	0.31
1,2,3,6,7,8-HxCDF	940	B	100	0.1	0.24
2,3,4,6,7,8-HxCDF	230		100	0.1	0.059
1,2,3,7,8,9-HxCDF	140	B	100	0.1	0.036
Total HxCDF	7500		100		
1,2,3,4,6,7,8-HpCDF	3900		100	0.01	0.10
1,2,3,4,7,8,9-HpCDF	1600		100	0.01	0.041
Total HpCDF	8000		100		
OCDF	9800		200	0.0003	0.0076
Total TEQ Concentration					1.5

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Northgate Environmental Management, Inc.

Sample ID: DW-09022010A

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I040476 - 006	**Work Order #....:**	L6K621AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Instrument ID....:**	4D5
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	387.69
Prep Batch # ....:	0250369	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	50 - 120
13C-1,2,3,7,8-PeCDD	81	50 - 120
13C-1,2,3,6,7,8-HxCDD	87	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	91	40 - 120
13C-OCDD	86	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	87	50 - 120
13C-1,2,3,4,7,8-HxCDF	84	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	173	*	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.
CON	Confirmation analysis.
J	Estimated Result

Northgate Environmental Management, Inc.

Sample ID: DW-09022010A

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 006	**Work Order #....:**	L6K621AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	387.69
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	0.041	J	0.052	0.0062	pg/m3
Total TCDD	1.5		0.052	0.0062	pg/m3
1,2,3,7,8-PeCDD	0.16	J	0.26	0.011	pg/m3
Total PeCDD	1.7		0.26	0.011	pg/m3
1,2,3,4,7,8-HxCDD	0.11	J B	0.26	0.0070	pg/m3
1,2,3,6,7,8-HxCDD	0.22	J B	0.26	0.0062	pg/m3
1,2,3,7,8,9-HxCDD	0.15	J B	0.26	0.0062	pg/m3
Total HxCDD	1.6		0.26	0.0064	pg/m3
1,2,3,4,6,7,8-HpCDD	0.80	B	0.26	0.0090	pg/m3
Total HpCDD	1.2		0.26	0.0090	pg/m3
OCDD	0.80		0.52	0.0070	pg/m3
2,3,7,8-TCDF	0.87	CON	0.052	0.0095	pg/m3
Total TCDF	13		0.052	0.0090	pg/m3
1,2,3,7,8-PeCDF	1.6		0.26	0.028	pg/m3
2,3,4,7,8-PeCDF	0.95		0.26	0.028	pg/m3
Total PeCDF	15		0.26	0.028	pg/m3
1,2,3,4,7,8-HxCDF	3.2	B	0.26	0.088	pg/m3
1,2,3,6,7,8-HxCDF	2.4	B	0.26	0.083	pg/m3
2,3,4,6,7,8-HxCDF	0.60		0.26	0.085	pg/m3
1,2,3,7,8,9-HxCDF	0.36	B	0.26	0.095	pg/m3
Total HxCDF	19		0.26	0.088	pg/m3
1,2,3,4,6,7,8-HpCDF	10		0.26	0.026	pg/m3
1,2,3,4,7,8,9-HpCDF	4.1		0.26	0.031	pg/m3
Total HpCDF	21		0.26	0.028	pg/m3
OCDF	25		0.52	0.025	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	50 - 120
13C-1,2,3,7,8-PeCDD	81	50 - 120
13C-1,2,3,6,7,8-HxCDD	87	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	91	40 - 120
13C-OCDD	86	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	87	50 - 120
13C-1,2,3,4,7,8-HxCDF	84	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	173	*	50 - 120

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Northgate Environmental Management, Inc.

Sample ID: DW-09022010A

Trace Level Compounds

Lot - Sample #....:	G0I040476 - 006	**Work Order #....:**	L6K621AA	**Matrix....:**	AA
Date Sampled....:	09/02/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	387.69
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

QUALIFIERS

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

QC DATA ASSOCIATION SUMMARY

G0I040476

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-9		0250369	
002	AA	EPA-2 TO-9		0250369	
003	AA	EPA-2 TO-9		0250369	
004	AA	EPA-2 TO-9		0250369	
005	AA	EPA-2 TO-9		0250369	
006	AA	EPA-2 TO-9		0250369	
007	AA	EPA-2 TO-13		0250370	
008	AA	EPA-2 TO-13		0250370	
009	AA	EPA-2 TO-13		0250370	
010	AA	EPA-2 TO-13		0250370	
011	AA	EPA-2 TO-13		0250370	
012	AA	EPA-2 TO-13		0250370	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0I070000 - 369B	**Work Order #....:**	L6L6Q1AA	**Matrix....:**	AIR
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	0
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		20	1.4	pg
Total TCDD	ND		20	2.8	pg
1,2,3,7,8-PeCDD	ND		100	3.4	pg
Total PeCDD	**4.2**		**100**	**3.4**	**pg**
1,2,3,4,7,8-HxCDD	ND		100	1.6	pg
1,2,3,6,7,8-HxCDD	**1.5**	**J Q**	**100**	**1.4**	**pg**
1,2,3,7,8,9-HxCDD	**5.3**	**J**	**100**	**1.4**	**pg**
Total HxCDD	**11**		**100**	**1.5**	**pg**
1,2,3,4,6,7,8-HpCDD	**41**	**J**	**100**	**17**	**pg**
Total HpCDD	**56**		**100**	**17**	**pg**
OCDD	ND		200	28	pg
2,3,7,8-TCDF	ND		20	1.0	pg
Total TCDF	ND		20	1.6	pg
1,2,3,7,8-PeCDF	ND		100	1.7	pg
2,3,4,7,8-PeCDF	ND		100	1.7	pg
Total PeCDF	ND		100	1.7	pg
1,2,3,4,7,8-HxCDF	**1.6**	**J**	**100**	**0.79**	**pg**
1,2,3,6,7,8-HxCDF	**1.3**	**J Q**	**100**	**0.75**	**pg**
2,3,4,6,7,8-HxCDF	ND		100	1.0	pg
1,2,3,7,8,9-HxCDF	**4.7**	**J Q**	**100**	**0.88**	**pg**
Total HxCDF	**11**		**100**	**0.80**	**pg**
1,2,3,4,6,7,8-HpCDF	ND		100	27	pg
1,2,3,4,7,8,9-HpCDF	ND		100	33	pg
Total HpCDF	ND		100	33	pg
OCDF	ND		200	7.8	pg

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	91	50 - 120
13C-1,2,3,7,8-PeCDD	84	50 - 120
13C-1,2,3,6,7,8-HxCDD	85	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 120
13C-OCDD	88	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	91	50 - 120
13C-1,2,3,4,7,8-HxCDF	87	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	93	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	103	50 - 120

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0I070000 - 369B	**Work Order #....:**	L6L6Q1AA	**Matrix....:**	AIR
Date Sampled....:	09/01/10	**Date Received....:**	09/04/10	**Dilution Factor....:**	1
Prep Date....:	09/07/10	**Analysis Date....:**	09/14/10	**Volume....:**	0
Prep Batch # ....:	0250369	**Instrument ID....:**	4D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Alora Kuczynski		

QUALIFIERS

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0I040476	**Work Order # ...:**	L6L6Q1AC-LCS L6L6Q1AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0I070000 - 369				
Prep Date .....:	09/07/10	**Analysis Date ..:**	09/14/10		
Prep Batch # ...:	0250369				
Dilution Factor :	1				
Analyst ID.....:	Alora Kuczynski	**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**	**398**	**pg**	**99**	**(70 - 130)**		
	400	**408**	**pg**	**102**	**(70 - 130)**	**2.4**	**(0 - 30)**
1,2,3,7,8-PeCDD	**2000**	**2020**	**pg**	**101**	**(70 - 130)**		
	2000	**2150**	**pg**	**107**	**(70 - 130)**	**6.1**	**(0 - 30)**
1,2,3,4,7,8-HxCDD	**2000**	**1950**	**pg**	**98**	**(70 - 130)**		
	2000	**2070**	**pg**	**103**	**(70 - 130)**	**5.8**	**(0 - 30)**
1,2,3,6,7,8-HxCDD	**2000**	**1910**	**pg**	**96**	**(70 - 130)**		
	2000	**1950**	**pg**	**97**	**(70 - 130)**	**1.7**	**(0 - 30)**
1,2,3,7,8,9-HxCDD	**2000**	**2080**	**pg**	**104**	**(70 - 130)**		
	2000	**2130**	**pg**	**106**	**(70 - 130)**	**2.0**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDD	**2000**	**2020**	**pg**	**101**	**(70 - 130)**		
	2000	**2100**	**pg**	**105**	**(70 - 130)**	**3.8**	**(0 - 30)**
OCDD	**4000**	**3690**	**pg**	**92**	**(70 - 130)**		
	4000	**3910**	**pg**	**98**	**(70 - 130)**	**5.8**	**(0 - 30)**
2,3,7,8-TCDF	**400**	**373**	**pg**	**93**	**(70 - 130)**		
	400	**398**	**pg**	**100**	**(70 - 130)**	**6.7**	**(0 - 30)**
1,2,3,7,8-PeCDF	**2000**	**1950**	**pg**	**97**	**(70 - 130)**		
	2000	**2050**	**pg**	**103**	**(70 - 130)**	**5.2**	**(0 - 30)**
2,3,4,7,8-PeCDF	**2000**	**1890**	**pg**	**94**	**(70 - 130)**		
	2000	**1910**	**pg**	**96**	**(70 - 130)**	**1.3**	**(0 - 30)**
1,2,3,4,7,8-HxCDF	**2000**	**2210**	**pg**	**110**	**(70 - 130)**		
	2000	**2230**	**pg**	**111**	**(70 - 130)**	**0.83**	**(0 - 30)**
1,2,3,6,7,8-HxCDF	**2000**	**2060**	**pg**	**103**	**(70 - 130)**		
	2000	**2220**	**pg**	**111**	**(70 - 130)**	**7.7**	**(0 - 30)**
2,3,4,6,7,8-HxCDF	**2000**	**2170**	**pg**	**108**	**(70 - 130)**		
	2000	**2140**	**pg**	**107**	**(70 - 130)**	**1.4**	**(0 - 30)**
1,2,3,7,8,9-HxCDF	**2000**	**2140**	**pg**	**107**	**(70 - 130)**		
	2000	**2150**	**pg**	**107**	**(70 - 130)**	**0.29**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDF	**2000**	**2080**	**pg**	**104**	**(70 - 130)**		
	2000	**2240**	**pg**	**112**	**(70 - 130)**	**7.5**	**(0 - 30)**
1,2,3,4,7,8,9-HpCDF	**2000**	**2110**	**pg**	**106**	**(70 - 130)**		
	2000	**2250**	**pg**	**112**	**(70 - 130)**	**6.4**	**(0 - 30)**
OCDF	**4000**	**3970**	**pg**	**99**	**(70 - 130)**		
	4000	**4140**	**pg**	**103**	**(70 - 130)**	**4.2**	**(0 - 30)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	(50 - 120)
	92	(50 - 120)
13C-1,2,3,7,8-PeCDD	85	(50 - 120)
	85	(50 - 120)
13C-1,2,3,6,7,8-HxCDD	90	(50 - 120)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0I040476 **Work Order # ...:** L6L6Q1AC-LCS **Matrix .....:** AIR
LCS Lot-Sample# : G0I070000 - 369 L6L6Q1AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
	91	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 120)
	96	(40 - 120)
13C-OCDD	89	(40 - 120)
	91	(40 - 120)
13C-2,3,7,8-TCDF	95	(50 - 120)
	93	(50 - 120)
13C-1,2,3,7,8-PeCDF	95	(50 - 120)
	94	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	82	(50 - 120)
	85	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 120)
	92	(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
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8270C CCV Checklist

Instrument: SV5_____

ICAL Date: 08/23/2010_____ DFTPP ID: DFT0909a

Initiator/Date: SRS/09/09/2010___ Standard ID: HSL0909a

Reviewer/Date: RJ 9/10/10 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: Phenol	N/A	☑
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-Dichlorophenol	☒	☑	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%	☒	☑
Are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☑

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 : 090910a.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
09-SEP-2010	13:56	srs	DFTPP 50ug/ml	DFT0909a.	NA	NA	NA		
09-SEP-2010	14:24	srs	HSL_050 ug/ml CS-4	HSL0909a.	NA	NA	NA		
09-SEP-2010	14:52	srs	L6L6T1AA G0I070000-370B	S090901.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	15:18	srs	L6L6T1AC G0I070000-370C	S090902.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	15:44	srs	L6L6T1AD G0I070000-370L	S090903.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	16:10	srs	L6K631AA G0I040476-7	S090904.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	16:36	srs	L6K641AA G0I040476-8	S090905.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	17:02	srs	L6K651AA G0I040476-9	S090906.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	17:28	srs	L6K661AA G0I040476-10	S090907.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	17:54	srs	L6K671AA G0I040476-11	S090908.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	18:20	srs	L6K681AA G0I040476-12	S090909.D	1000 Sa	1 mL	1	JZ	
09-SEP-2010	18:46	srs	L6CQ71AA G0H310000-267B	S090910.D	30 g	1 mL	1	QL	
09-SEP-2010	19:12	srs	L6CQ71AC G0H310000-267C	S090911.D	30 g	1 mL	1	QL	
09-SEP-2010	19:38	srs	L6CQ71AD G0H310000-267L	S090912.D	30 g	1 mL	1	QL	
09-SEP-2010	20:04	srs	L5TR61AH G0H190482-1 5X	S090913.D	30.32 g	1 mL	5	QL	
09-SEP-2010	20:30	srs	L5TTA1A9 G0H190482-3 5X	S090914.D	29.91 g	1 mL	5	QL	
09-SEP-2010	20:56	srs	L5TTE1A9 G0H190482-5 5X	S090915.D	29.96 g	1 mL	5	QL	
09-SEP-2010	21:22	srs	L5TTH1A9 G0H190482-7 5X	S090916.D	29.93 g	1 mL	5	QL	
09-SEP-2010	21:48	srs	L5TTL1A9 G0H190482-9 5X	S090917.D	30 g	1 mL	5	QL	
09-SEP-2010	22:14	srs	L5TT11A9 G0H190482-11 5X	S090918.D	29.98 g	1 mL	5	QL	
09-SEP-2010	22:40	srs	L5TV61A8 G0H190482-15 5X	S090919.D	30 g	1 mL	5	QL	
09-SEP-2010	23:06	srs	L6NTV1AA G0I080000-256B	S090920.D	30 g	1 mL	1	QL	
09-SEP-2010	23:32	srs	L6NTV1AC G0I080000-256C	S090921.D	30 g	1 mL	1	QL	
09-SEP-2010	23:58	srs	L6NA41AD G0I080496-1	S090922.D	30.22 g	1 mL	1	QL	
10-SEP-2010	00:24	srs	L6NA71AD G0I080496-2	S090923.D	29.9 g	1 mL	1	QL	
10-SEP-2010	00:50	srs	L6NA71AE G0I080496-2S	S090924.D	30.03 g	1 mL	1	QL	
10-SEP-2010	01:16	srs	L6NA71AF G0I080496-2D	S090925.D	29.9 g	1 mL	1	QL	
10-SEP-2010	01:42	srs	L6NA81AD G0I080496-3	S090926.D	30.35 g	1 mL	1	QL	

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 09-SEP-2010 14:24
Lab File ID: HSL0909a.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\090910a.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.47923	1.46934	1.46934	0.010	-0.66886	50.00000	Averaged
$ 8 Phenol-d5	1.89473	1.90812	1.90812	0.010	0.70653	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.59813	1.59482	1.59482	0.010	-0.20745	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.99431	1.00889	1.00889	0.010	1.46645	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.35699	0.35845	0.35845	0.010	0.41075	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.26594	1.28050	1.28050	0.010	1.15029	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15648	0.16673	0.16673	0.010	6.55296	50.00000	Averaged
$ 14 Terphenyl-d14	0.77396	0.80096	0.80096	0.010	3.48913	50.00000	Averaged
15 N-Nitrosodimethylamine	1.01809	1.00605	1.00605	0.010	-1.18237	50.00000	Averaged
16 Pyridine	1.68687	1.68412	1.68412	0.010	-0.16305	50.00000	Averaged
23 Aniline	2.37259	2.37795	2.37795	0.010	0.22599	50.00000	Averaged
24 Phenol	1.99436	1.99966	1.99966	0.010	0.26577	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.52541	1.49762	1.49762	0.010	-1.82146	50.00000	Averaged
27 2-Chlorophenol	1.58023	1.60212	1.60212	0.010	1.38552	50.00000	Averaged
28 1,3-Dichlorobenzene	1.74334	1.75455	1.75455	0.010	0.64279	50.00000	Averaged
29 1,4-Dichlorobenzene	1.76599	1.79683	1.79683	0.010	1.74668	20.00000	Averaged
30 Benzyl Alcohol	1.08397	1.05598	1.05598	0.010	-2.58169	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66769	1.67251	1.67251	0.010	0.28911	50.00000	Averaged
32 2-Methylphenol	1.48902	1.49993	1.49993	0.010	0.73282	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.90571	2.53368	2.53368	0.010	-12.80354	50.00000	Averaged
34 4-Methylphenol	1.58517	1.61310	1.61310	0.010	1.76224	50.00000	Averaged
36 Hexachloroethane	0.62210	0.62829	0.62829	0.010	0.99516	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.11560	1.06391	1.06391	0.050	-4.63296	50.00000	Averaged
42 Nitrobenzene	0.35575	0.34234	0.34234	0.010	-3.76898	50.00000	Averaged
44 Isophorone	0.67537	0.66721	0.66721	0.010	-1.20782	50.00000	Averaged
45 2-Nitrophenol	0.19133	0.20265	0.20265	0.010	5.91958	20.00000	Averaged
46 2,4-Dimethyphenol	0.35866	0.36720	0.36720	0.010	2.38247	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.40130	0.40179	0.40179	0.010	0.11997	50.00000	Averaged
49 2,4-Dichlorophenol	0.26143	0.26992	0.26992	0.010	3.24756	20.00000	Averaged
50 Benzoic Acid	0.20092	0.20519	0.20519	0.010	2.12237	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.28301	0.29598	0.29598	0.010	4.58115	50.00000	Averaged
52 Naphthalene	1.11324	1.11263	1.11263	0.010	-0.05483	50.00000	Averaged
54 4-Chloroaniline	0.43919	0.45131	0.45131	0.010	2.75969	50.00000	Averaged
57 Hexachlorobutadiene	0.13411	0.13972	0.13972	0.010	4.17933	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30380	0.30929	0.30929	0.010	1.80719	20.00000	Averaged
63 2-Methylnaphthalene	0.67962	0.70566	0.70566	0.010	3.83166	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.30646	0.31267	0.31267	0.050	2.02460	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.30154	0.32750	0.32750	0.010	8.60887	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32858	0.34580	0.34580	0.010	5.24087	50.00000	Averaged
71 2-Chloronaphthalene	1.11567	1.13539	1.13539	0.010	1.76775	50.00000	Averaged
73 2-Nitroaniline	0.38116	0.36490	0.36490	0.010	-4.26647	50.00000	Averaged
76 Dimethylphthalate	1.29156	1.28231	1.28231	0.010	-0.71572	50.00000	Averaged

Manual calculation for Phenol:

$\frac{330562}{132247} \times \frac{40}{50} = 1.99966$ RY 9/10/10

SM 9/9/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 09-SEP-2010 14:24
Lab File ID: HSL0909a.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\090910a.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.95828	2.00363	2.00363	0.010	2.31615	50.00000	Averaged
79 2,6-Dinitrotoluene	0.28888	0.30688	0.30688	0.010	6.23190	50.00000	Averaged
80 3-Nitroaniline	0.38296	0.38671	0.38671	0.010	0.98001	50.00000	Averaged
81 Acenaphthene	1.24672	1.26666	1.26666	0.010	1.59990	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	49.28497	0.17159	0.050	-1.43007	0.000e+000	Quadratic
83 Dibenzofuran	1.64538	1.65527	1.65527	0.010	0.60106	50.00000	Averaged
84 4-Nitrophenol	0.17088	0.16307	0.16307	0.050	-4.56738	50.00000	Averaged
86 2,4-Dinitrotoluene	0.38742	0.40031	0.40031	0.010	3.32539	50.00000	Averaged
91 Fluorene	1.34904	1.36918	1.36918	0.010	1.49316	50.00000	Averaged
92 Diethylphthalate	1.35372	1.35616	1.35616	0.010	0.18044	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.55385	0.56039	0.56039	0.010	1.18232	50.00000	Averaged
94 4-Nitroaniline	0.37837	0.38295	0.38295	0.010	1.21052	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	49.09906	0.14138	0.010	-1.80188	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.62622	0.61595	0.61595	0.010	-1.63979	20.00000	Averaged
100 Azobenzene	0.88363	0.85500	0.85500	0.010	-3.24031	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19190	0.20052	0.20052	0.010	4.49104	50.00000	Averaged
108 Hexachlorobenzene	0.20744	0.21436	0.21436	0.010	3.33525	50.00000	Averaged
110 Pentachlorophenol	0.12850	0.13124	0.13124	0.010	2.13401	20.00000	Averaged
114 Phenanthrene	1.25231	1.24622	1.24622	0.010	-0.48575	50.00000	Averaged
115 Anthracene	1.26014	1.27638	1.27638	0.010	1.28878	50.00000	Averaged
118 Carbazole	1.17754	1.17589	1.17589	0.010	-0.13993	50.00000	Averaged
120 Di-n-Butylphthalate	1.42590	1.44135	1.44135	0.010	1.08288	50.00000	Averaged
126 Fluoranthene	1.13179	1.16193	1.16193	0.010	2.66330	20.00000	Averaged
127 Benzidine	0.82752	0.89000	0.89000	0.010	7.55015	50.00000	Averaged
128 Pyrene	1.24186	1.27757	1.27757	0.010	2.87567	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.70995	0.75221	0.75221	0.010	5.95214	50.00000	Averaged
136 Butylbenzylphthalate	0.64263	0.65480	0.65480	0.010	1.89389	50.00000	Averaged
138 Benzo(a)Anthracene	1.05752	1.07554	1.07554	0.010	1.70371	50.00000	Averaged
139 Chrysene	1.09407	1.11989	1.11989	0.010	2.36075	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.38440	0.40378	0.40378	0.010	5.04217	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.88842	0.89713	0.89713	0.010	0.98088	50.00000	Averaged
142 Di-n-octylphthalate	1.42876	1.47807	1.47807	0.010	3.45137	20.00000	Averaged
144 Benzo(b)fluoranthene	0.94959	0.96710	0.96710	0.010	1.84431	50.00000	Averaged
145 Benzo(k)fluoranthene	1.11337	1.12738	1.12738	0.010	1.25818	50.00000	Averaged
147 Benzo(e)pyrene	0.94145	0.96823	0.96823	0.010	2.84418	50.00000	Averaged
148 Benzo(a)pyrene	1.03915	1.02908	1.02908	0.010	-0.96820	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.88334	0.84452	0.84452	0.010	-4.39415	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.94269	0.98979	0.98979	0.010	4.99700	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00655	1.03164	1.03164	0.010	2.49290	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06296	2.09448	2.09448	0.010	1.52798	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\HSL0909a.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 09-SEP-2010 14:24
Operator : srs 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\090910a.B\8270f.m
Meth Date : 09-Sep-2010 14:48 semivoa 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: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.142	4.142	(1.000)	132247	40.0000	
*	2 Naphthalene-d8	136	5.562	5.562	(1.000)	574589	40.0000	
*	3 Acenaphthene-d10	164	7.666	7.666	(1.000)	308864	40.0000	
*	4 Phenanthrene-d10	188	9.645	9.645	(1.000)	482971	40.0000	
*	5 Chrysene-d12	240	14.060	14.060	(1.000)	472988	40.0000	
*	6 Perylene-d12	264	16.454	16.454	(1.000)	482132	40.0000	
$	7 2-Fluorophenol	112	2.920	2.920	(0.705)	242894	50.0000	49.66
$	8 Phenol-d5	99	3.790	3.790	(0.915)	315429	50.0000	50.35
$	9 2-Chlorophenol-d4	132	3.946	3.946	(0.952)	263637	50.0000	49.90
$	10 1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	166779	50.0000	50.73
$	11 Nitrobenzene-d5	82	4.775	4.775	(0.858)	257454	50.0000	50.20
$	12 2-Fluorobiphenyl	172	6.868	6.868	(0.896)	494377	50.0000	50.58
$	13 2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	64373	50.0000	53.28
$	14 Terphenyl-d14	244	12.277	12.277	(0.873)	473558	50.0000	51.74
	15 N-Nitrosodimethylamine	74	1.894	1.894	(0.457)	166309	50.0000	49.41
	16 Pyridine	79	1.914	1.914	(0.462)	278400	50.0000	49.92
	23 Aniline	93	3.842	3.842	(0.927)	393096	50.0000	50.11
	24 Phenol	94	3.800	3.800	(0.917)	330562	50.0000	50.13(M)
	26 Bis(2-chloroethyl)ether	93	3.904	3.904	(0.942)	247570	50.0000	49.09
	27 2-Chlorophenol	128	3.956	3.956	(0.955)	264845	50.0000	50.69
	28 1,3-Dichlorobenzene	146	4.111	4.111	(0.992)	290042	50.0000	50.32
	29 1,4-Dichlorobenzene	146	4.163	4.163	(1.005)	297032	50.0000	50.87
	30 Benzyl Alcohol	108	4.308	4.308	(1.040)	174563	50.0000	48.71
	31 1,2-Dichlorobenzene	146	4.360	4.360	(1.053)	276480	50.0000	50.14
	32 2-Methylphenol	108	4.433	4.433	(1.070)	247952	50.0000	50.37
	33 2,2'-oxybis(1-Chloropropane)	45	4.484	4.484	(1.083)	418839	50.0000	43.60
	34 4-Methylphenol	108	4.598	4.598	(1.110)	266660	50.0000	50.88
	36 Hexachloroethane	117	4.692	4.692	(1.133)	103862	50.0000	50.50
	37 N-Nitrosodinpropylamine	70	4.630	4.630	(1.118)	175874	50.0000	47.68
	42 Nitrobenzene	77	4.795	4.795	(0.862)	245883	50.0000	48.12
	44 Isophorone	82	5.054	5.054	(0.909)	479216	50.0000	49.40
	45 2-Nitrophenol	139	5.148	5.148	(0.925)	145554	50.0000	52.96
	46 2,4-Dimethyphenol	107	5.199	5.199	(0.935)	263738	50.0000	51.19

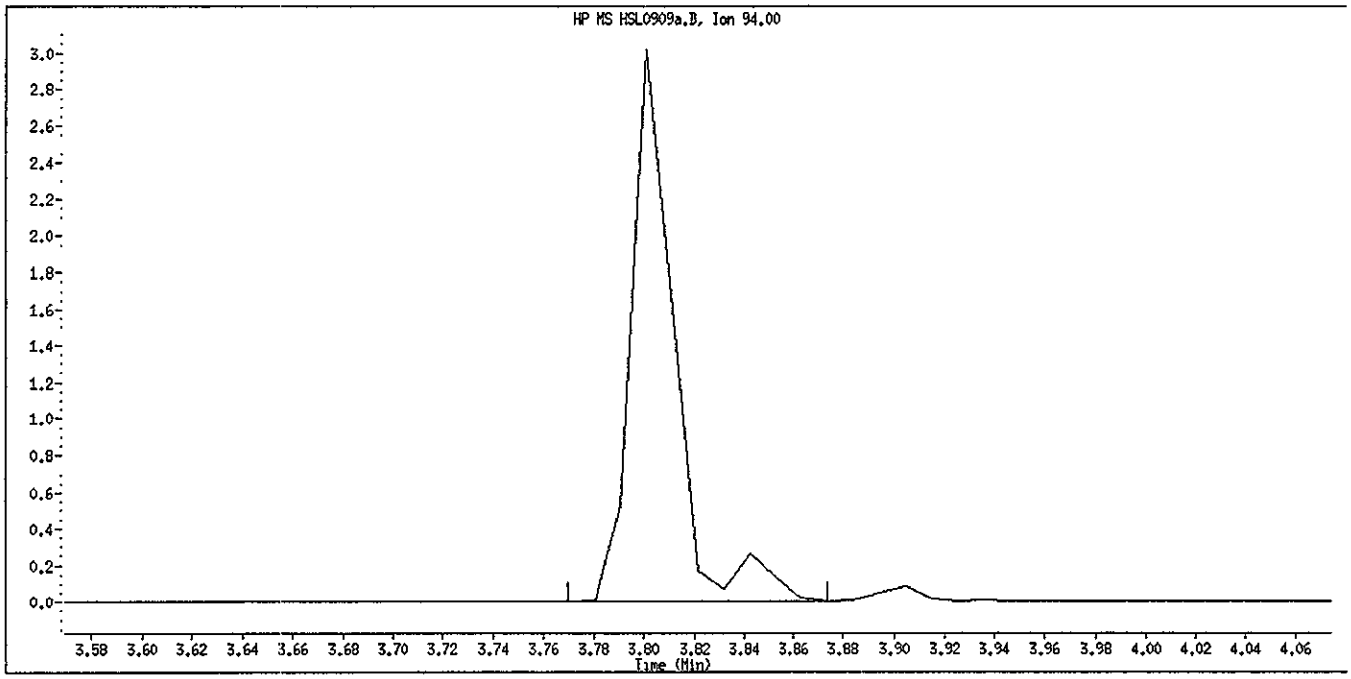
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.313	5.313	(0.955)	288577	50.0000	50.06
49 2,4-Dichlorophenol	162	5.417	5.417	(0.974)	193864	50.0000	51.62
50 Benzoic Acid	122	5.293	5.293	(0.952)	147372	50.0000	51.06
51 1,2,4-Trichlorobenzene	180	5.521	5.521	(0.993)	212581	50.0000	52.29
52 Naphthalene	128	5.583	5.583	(1.004)	799128	50.0000	49.97
54 4-Chloroaniline	127	5.676	5.676	(1.020)	324148	50.0000	51.38
57 Hexachlorobutadiene	225	5.811	5.811	(1.045)	100350	50.0000	52.09
60 4-Chloro-3-Methylphenol	107	6.246	6.246	(1.123)	222146	50.0000	50.90
63 2-Methylnaphthalene	142	6.402	6.402	(1.151)	506832	50.0000	51.92
66 Hexachlorocyclopentadiene	237	6.681	6.681	(0.872)	120715	50.0000	51.01
69 2,4,6-Trichlorophenol	196	6.775	6.775	(0.884)	126441	50.0000	54.30
70 2,4,5-Trichlorphenol	196	6.816	6.816	(0.889)	133505	50.0000	52.62
71 2-Chloronaphthalene	162	6.972	6.972	(0.909)	438352	50.0000	50.88
73 2-Nitroaniline	65	7.148	7.148	(0.932)	140880	50.0000	47.87
76 Dimethylphthalate	163	7.417	7.417	(0.968)	495076	50.0000	49.64
77 Acenaphthylene	152	7.479	7.479	(0.976)	773563	50.0000	51.16
79 2,6-Dinitrotoluene	165	7.490	7.490	(0.977)	118482	50.0000	53.12(H)
80 3-Nitroaniline	138	7.645	7.645	(0.997)	149302	50.0000	50.49
81 Acenaphthene	153	7.707	7.707	(1.005)	489034	50.0000	50.80
82 2,4-Dinitrophenol	184	7.770	7.770	(1.014)	66249	50.0000	49.28
83 Dibenzofuran	168	7.904	7.904	(1.031)	639066	50.0000	50.30
84 4-Nitrophenol	109	7.863	7.863	(1.026)	62959	50.0000	47.72
86 2,4-Dinitrotoluene	165	7.966	7.966	(1.039)	154550	50.0000	51.66
91 Fluorene	166	8.350	8.350	(1.089)	528613	50.0000	50.75
92 Diethylphthalate	149	8.308	8.308	(1.084)	523588	50.0000	50.09
93 4-Chlorophenyl-phenylether	204	8.360	8.360	(1.091)	216357	50.0000	50.59
94 4-Nitroaniline	138	8.422	8.422	(1.099)	147850	50.0000	50.60
97 4,6-Dinitro-2-methylphenol	198	8.485	8.485	(0.880)	85355	50.0000	49.10
98 N-Nitrosodiphenylamine	169	8.526	8.526	(0.884)	435815	58.6000	57.64
100 Azobenzene	77	8.567	8.567	(0.888)	516176	50.0000	48.38
101 4-Bromophenyl-phenylether	248	9.023	9.023	(0.936)	121055	50.0000	52.24
108 Hexachlorobenzene	284	9.210	9.210	(0.955)	129413	50.0000	51.67
110 Pentachlorophenol	266	9.469	9.469	(0.982)	79232	50.0000	51.07
114 Phenanthrene	178	9.676	9.676	(1.003)	752363	50.0000	49.76
115 Anthracene	178	9.738	9.738	(1.010)	770569	50.0000	50.64
118 Carbazole	167	10.008	10.008	(1.038)	709900	50.0000	49.93
120 Di-n-Butylphthalate	149	10.702	10.702	(1.110)	870160	50.0000	50.54
126 Fluoranthene	202	11.562	11.562	(1.199)	701473	50.0000	51.33
127 Benzidine	184	11.832	11.832	(0.842)	526197	50.0000	53.78
128 Pyrene	202	11.925	11.925	(0.848)	755343	50.0000	51.44
134 3,3'-dimethylbenzidine	212	13.127	13.127	(0.934)	444730	50.0000	52.98
136 Butylbenzylphthalate	149	13.241	13.241	(0.942)	387143	50.0000	50.95
138 Benzo(a)Anthracene	228	14.029	14.029	(0.998)	635898	50.0000	50.85
139 Chrysene	228	14.101	14.101	(1.003)	662121	50.0000	51.18
140 3,3'-Dichlorobenzidine	252	14.070	14.070	(1.001)	238731	50.0000	52.52
141 bis(2-ethylhexyl)Phthalate	149	14.360	14.360	(1.021)	530416	50.0000	50.49
142 Di-n-octylphthalate	149	15.417	15.417	(1.097)	873887	50.0000	51.72
144 Benzo(b)fluoranthene	252	15.863	15.863	(0.964)	582840	50.0000	50.92
145 Benzo(k)fluoranthene	252	15.905	15.905	(0.967)	679431	50.0000	50.63
147 Benzo(e)pyrene	252	16.288	16.288	(0.990)	583518	50.0000	51.42
148 Benzo(a)pyrene	252	16.360	16.360	(0.994)	620193	50.0000	49.52
151 Indeno(1,2,3-cd)pyrene	276	18.174	18.174	(1.105)	508964	50.0000	47.80
152 Dibenzo(a,h)anthracene	278	18.215	18.215	(1.107)	596514	50.0000	52.50
153 Benzo(g,h,i)perylene	276	18.640	18.640	(1.133)	621736	50.0000	51.25

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				1262271	50.0000	50.76(A)

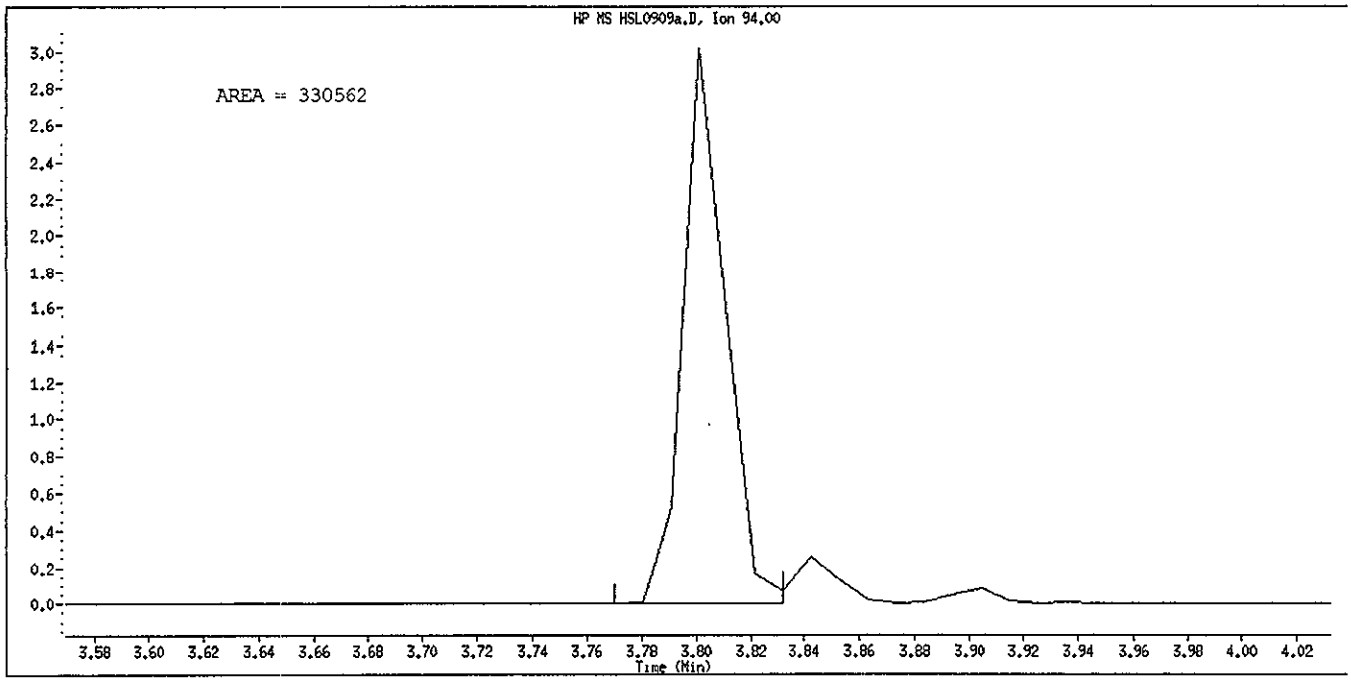
QC Flag Legend

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: HSL0909a.D
Inj. Date and Time: 09-SEP-2010 14:24
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Phenol
CAS #: 108-95-2
Report Date: 09/09/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\HSL0909a.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 09-SEP-2010 14:24
Operator : srs 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\090910a.B\8270f.m
Meth Date : 09-Sep-2010 14:48 semivoa 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: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.142	4.142	(1.000)	132247	40.0000	
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	574589	40.0000	
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	308864	40.0000	
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	482971	40.0000	
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	472988	40.0000	
* 6	Perylene-d12	264	16.454	16.454	(1.000)	482132	40.0000	
$ 7	2-Fluorophenol	112	2.920	2.920	(0.705)	242894	50.0000	49.66
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	315429	50.0000	50.35
$ 9	2-Chlorophenol-d4	132	3.946	3.946	(0.952)	263637	50.0000	49.90
$ 10	1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	166779	50.0000	50.73
$ 11	Nitrobenzene-d5	82	4.775	4.775	(0.858)	257454	50.0000	50.20
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	494377	50.0000	50.58
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	64373	50.0000	53.28
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	473558	50.0000	51.74
15	N-Nitrosodimethylamine	74	1.894	1.894	(0.457)	166309	50.0000	49.41
16	Pyridine	79	1.914	1.914	(0.462)	278400	50.0000	49.92
23	Aniline	93	3.842	3.842	(0.927)	393096	50.0000	50.11
24	Phenol	94	3.800	3.800	(0.917)	356505	50.0000	54.07
26	Bis(2-chloroethyl)ether	93	3.904	3.904	(0.942)	247570	50.0000	49.09
27	2-Chlorophenol	128	3.956	3.956	(0.955)	264845	50.0000	50.69
28	1,3-Dichlorobenzene	146	4.111	4.111	(0.992)	290042	50.0000	50.32
29	1,4-Dichlorobenzene	146	4.163	4.163	(1.005)	297032	50.0000	50.87
30	Benzyl Alcohol	108	4.308	4.308	(1.040)	174563	50.0000	48.71
31	1,2-Dichlorobenzene	146	4.360	4.360	(1.053)	276480	50.0000	50.14
32	2-Methylphenol	108	4.433	4.433	(1.070)	247952	50.0000	50.37
33	2,2'-oxybis(1-Chloropropane)	45	4.484	4.484	(1.083)	418839	50.0000	43.60
34	4-Methylphenol	108	4.598	4.598	(1.110)	266660	50.0000	50.88
36	Hexachloroethane	117	4.692	4.692	(1.133)	103862	50.0000	50.50
37	N-Nitrosodinpropylamine	70	4.630	4.630	(1.118)	175874	50.0000	47.68
42	Nitrobenzene	77	4.795	4.795	(0.862)	245883	50.0000	48.12
44	Isophorone	82	5.054	5.054	(0.909)	479216	50.0000	49.40
45	2-Nitrophenol	139	5.148	5.148	(0.925)	145554	50.0000	52.96
46	2,4-Dimethyphenol	107	5.199	5.199	(0.935)	263738	50.0000	51.19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.313	5.313	(0.955)	288577	50.0000	50.06
49	2,4-Dichlorophenol	162	5.417	5.417	(0.974)	193864	50.0000	51.62
50	Benzoic Acid	122	5.293	5.293	(0.952)	147372	50.0000	51.06
51	1,2,4-Trichlorobenzene	180	5.521	5.521	(0.993)	212581	50.0000	52.29
52	Naphthalene	128	5.583	5.583	(1.004)	799128	50.0000	49.97
54	4-Chloroaniline	127	5.676	5.676	(1.020)	324148	50.0000	51.38
57	Hexachlorobutadiene	225	5.811	5.811	(1.045)	100350	50.0000	52.09
60	4-Chloro-3-Methylphenol	107	6.246	6.246	(1.123)	222146	50.0000	50.90
63	2-Methylnaphthalene	142	6.402	6.402	(1.151)	506832	50.0000	51.92
66	Hexachlorocyclopentadiene	237	6.681	6.681	(0.872)	120715	50.0000	51.01
69	2,4,6-Trichlorophenol	196	6.775	6.775	(0.884)	126441	50.0000	54.30
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.889)	133505	50.0000	52.62
71	2-Chloronaphthalene	162	6.972	6.972	(0.909)	438352	50.0000	50.88
73	2-Nitroaniline	65	7.148	7.148	(0.932)	140880	50.0000	47.87
76	Dimethylphthalate	163	7.417	7.417	(0.968)	495076	50.0000	49.64
77	Acenaphthylene	152	7.479	7.479	(0.976)	773563	50.0000	51.16
79	2,6-Dinitrotoluene	165	7.417	7.417	(0.968)	5802	50.0000	2.601
80	3-Nitroaniline	138	7.645	7.645	(0.997)	149302	50.0000	50.49
81	Acenaphthene	153	7.707	7.707	(1.005)	489034	50.0000	50.80
82	2,4-Dinitrophenol	184	7.770	7.770	(1.014)	66249	50.0000	49.28
83	Dibenzofuran	168	7.904	7.904	(1.031)	639066	50.0000	50.30
84	4-Nitrophenol	109	7.863	7.863	(1.026)	62959	50.0000	47.72
86	2,4-Dinitrotoluene	165	7.966	7.966	(1.039)	154550	50.0000	51.66
91	Fluorene	166	8.350	8.350	(1.089)	528613	50.0000	50.75
92	Diethylphthalate	149	8.308	8.308	(1.084)	523588	50.0000	50.09
93	4-Chlorophenyl-phenylether	204	8.360	8.360	(1.091)	216357	50.0000	50.59
94	4-Nitroaniline	138	8.422	8.422	(1.099)	147850	50.0000	50.60
97	4,6-Dinitro-2-methylphenol	198	8.485	8.485	(0.880)	85355	50.0000	49.10
98	N-Nitrosodiphenylamine	169	8.526	8.526	(0.884)	435815	58.6000	57.64
100	Azobenzene	77	8.567	8.567	(0.888)	516176	50.0000	48.38
101	4-Bromophenyl-phenylether	248	9.023	9.023	(0.936)	121055	50.0000	52.24
108	Hexachlorobenzene	284	9.210	9.210	(0.955)	129413	50.0000	51.67
110	Pentachlorophenol	266	9.469	9.469	(0.982)	79232	50.0000	51.07
114	Phenanthrene	178	9.676	9.676	(1.003)	752363	50.0000	49.76
115	Anthracene	178	9.738	9.738	(1.010)	770569	50.0000	50.64
118	Carbazole	167	10.008	10.008	(1.038)	709900	50.0000	49.93
120	Di-n-Butylphthalate	149	10.702	10.702	(1.110)	870160	50.0000	50.54
126	Fluoranthene	202	11.562	11.562	(1.199)	701473	50.0000	51.33
127	Benzidine	184	11.832	11.832	(0.842)	526197	50.0000	53.78
128	Pyrene	202	11.925	11.925	(0.848)	755343	50.0000	51.44
134	3,3'-dimethylbenzidine	212	13.127	13.127	(0.934)	444730	50.0000	52.98
136	Butylbenzylphthalate	149	13.241	13.241	(0.942)	387143	50.0000	50.95
138	Benzo(a)Anthracene	228	14.029	14.029	(0.998)	635898	50.0000	50.85
139	Chrysene	228	14.101	14.101	(1.003)	662121	50.0000	51.18
140	3,3'-Dichlorobenzidine	252	14.070	14.070	(1.001)	238731	50.0000	52.52
141	bis(2-ethylhexyl)Phthalate	149	14.360	14.360	(1.021)	530416	50.0000	50.49
142	Di-n-octylphthalate	149	15.417	15.417	(1.097)	873887	50.0000	51.72
144	Benzo(b)fluoranthene	252	15.863	15.863	(0.964)	582840	50.0000	50.92
145	Benzo(k)fluoranthene	252	15.905	15.905	(0.967)	679431	50.0000	50.63
147	Benzo(e)pyrene	252	16.288	16.288	(0.990)	583518	50.0000	51.42
148	Benzo(a)pyrene	252	16.360	16.360	(0.994)	620193	50.0000	49.52
151	Indeno(1,2,3-cd)pyrene	276	18.174	18.174	(1.105)	508964	50.0000	47.80
152	Dibenzo(a,h)anthracene	278	18.215	18.215	(1.107)	596514	50.0000	52.50
153	Benzo(g,h,i)perylene	276	18.640	18.640	(1.133)	621736	50.0000	51.25

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				1262271	50.0000	50.76(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: HSL0909a.D
Lab Smp Id: HSL_050 ug/ml CS-4
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 12:53
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	132247	17.66
2 Naphthalene-d8	494728	247364	989456	574589	16.14
3 Acenaphthene-d10	264752	132376	529504	308864	16.66
4 Phenanthrene-d10	415811	207906	831622	482971	16.15
5 Chrysene-d12	431516	215758	863032	472988	9.61
6 Perylene-d12	416460	208230	832920	482132	15.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	0.00
2 Naphthalene-d8	5.56	5.06	6.06	5.56	0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	0.00
6 Perylene-d12	16.45	15.95	16.95	16.45	0.00

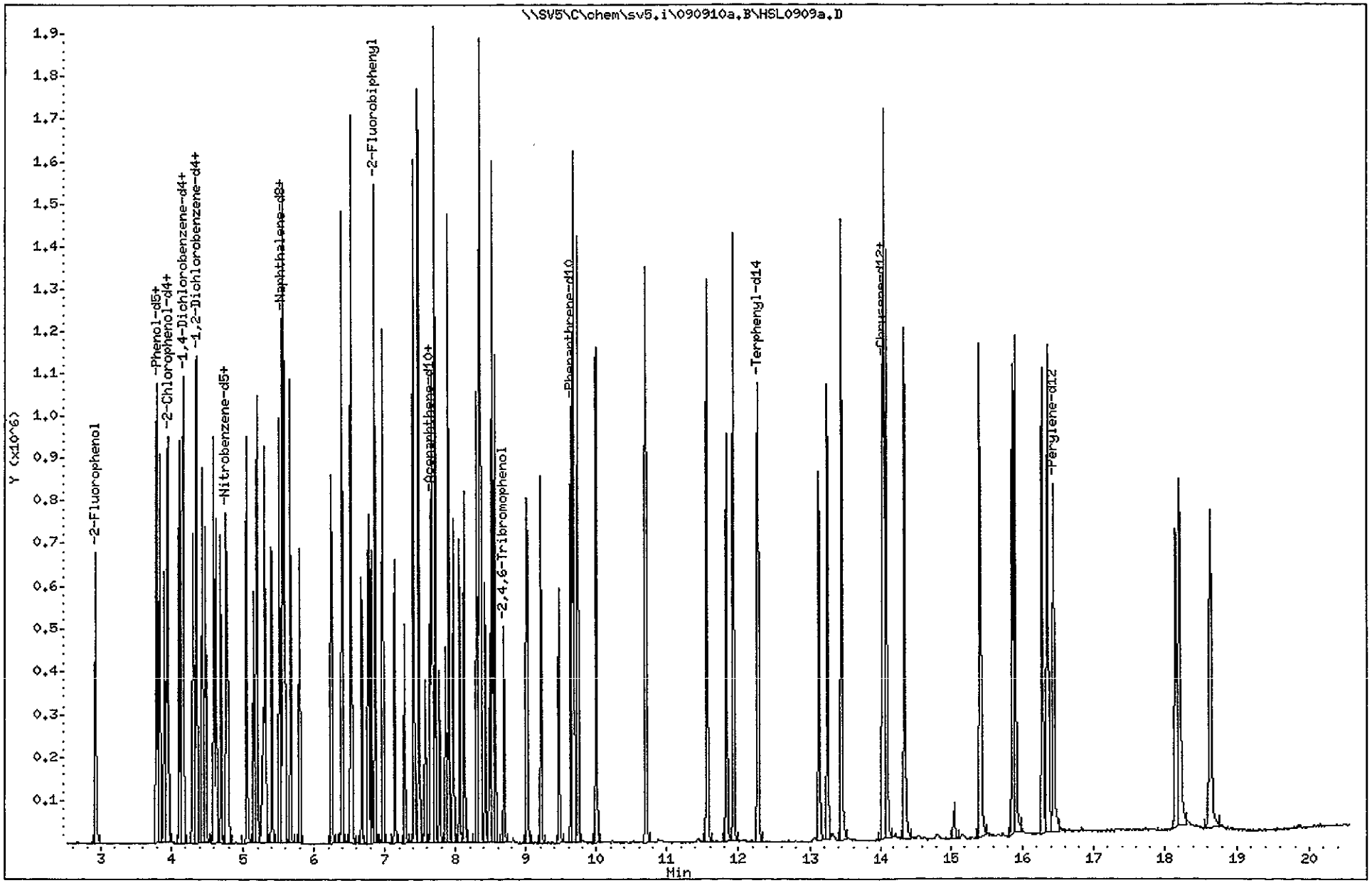
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\090910a.B\HSL0909a.D
Date : 09-SEP-2010 14:24
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml CS-4;2;;;4;;;;;4

Instrument: sv5.i

Operator: srs
Column diameter: 2.00

Column phase:



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.6329106	5.000	PASS
Benzidine	0.3465444	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	299616	15.3	20.5	PASS

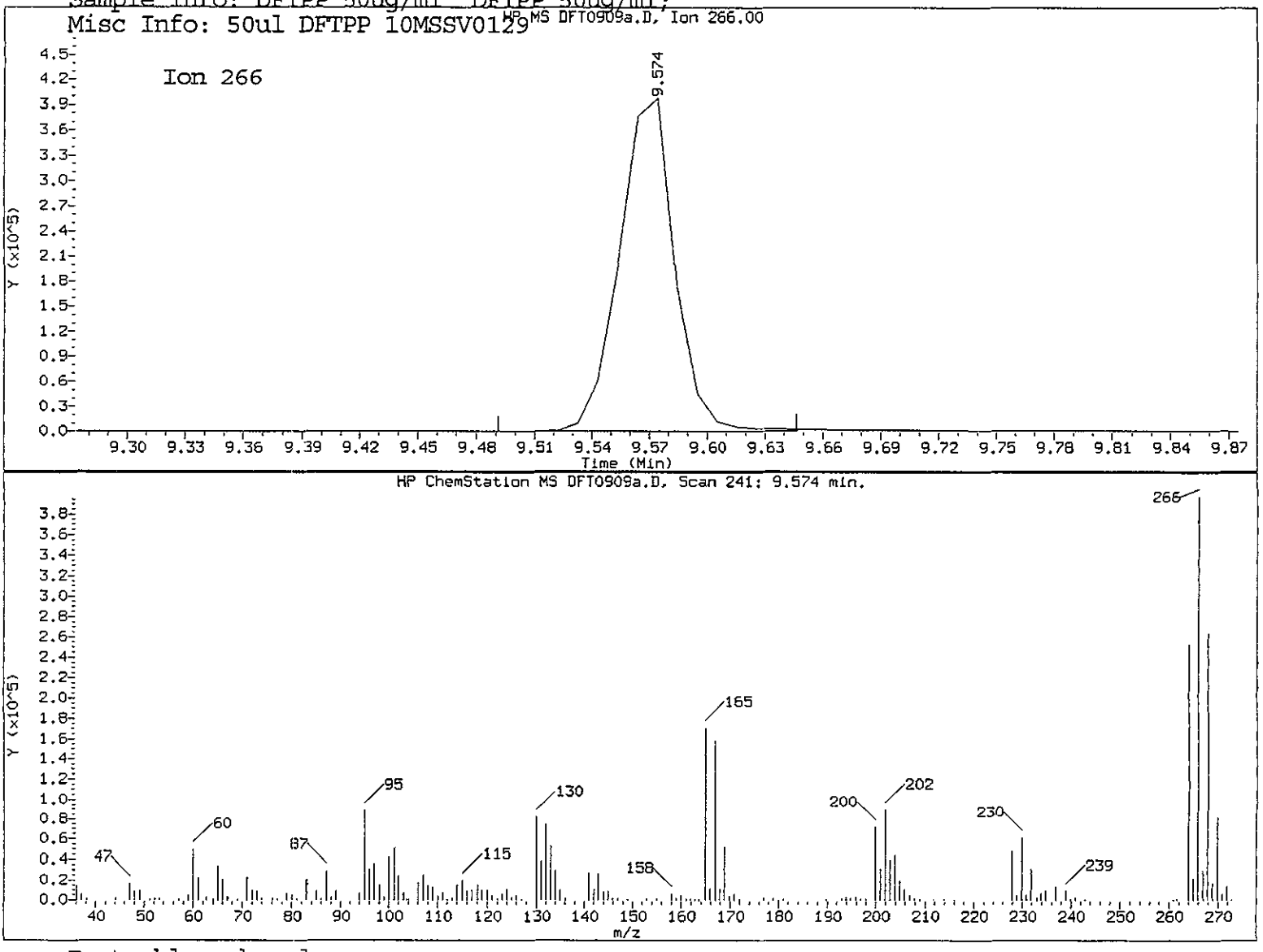
Sample //SV5/C/chem/sv5.i/090910a.B/DFT0909a.D/DFT0909a.D

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

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 09/09/2010 14:22

Datafile Analyzed: //SV5/C/chem/sv5.i/090910a.B/DFT0909a.D/DFT0909a.D
Method Used: \\SV5\C\chem\sv5.i\090910a.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-SEP-2010 13:56 Operator: srs
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Pentachlorophenol
==========
Exp. RT = 9.771
Found RT = 9.574

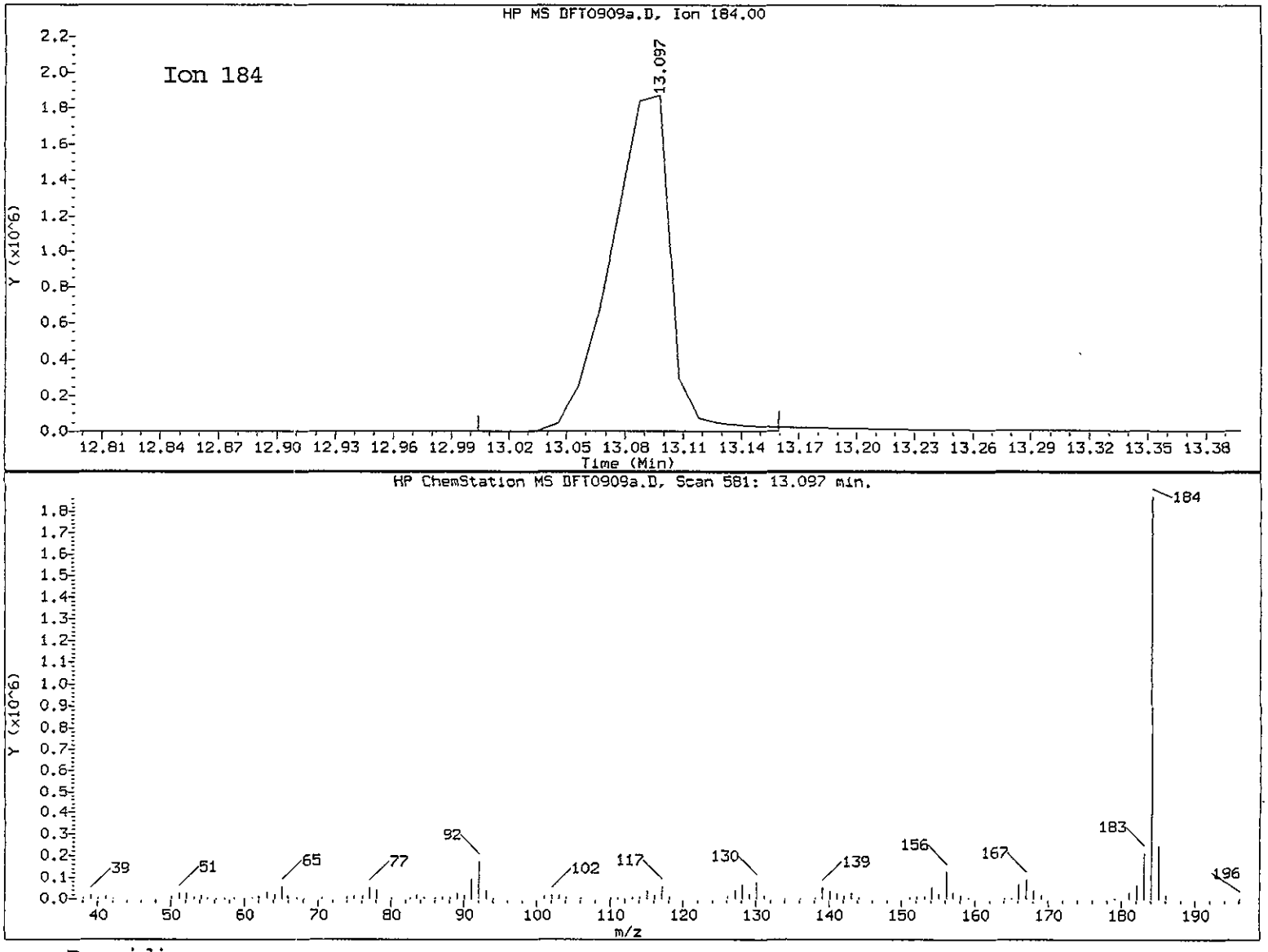
Time1 = 9.538794 Time2 = 9.573983 Time3 = 9.596255
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.633 Maximum Allowed = 5.0

Report Date: 09/09/2010 14:22

Datafile Analyzed: //SV5/C/chem/sv5.i/090910a.B/DFT0909a.D/DFT0909a.D
Method Used: \\SV5\C\chem\sv5.i\090910a.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-SEP-2010 13:56 Operator: srs
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
Exp. RT = 13.315
Found RT = 13.097

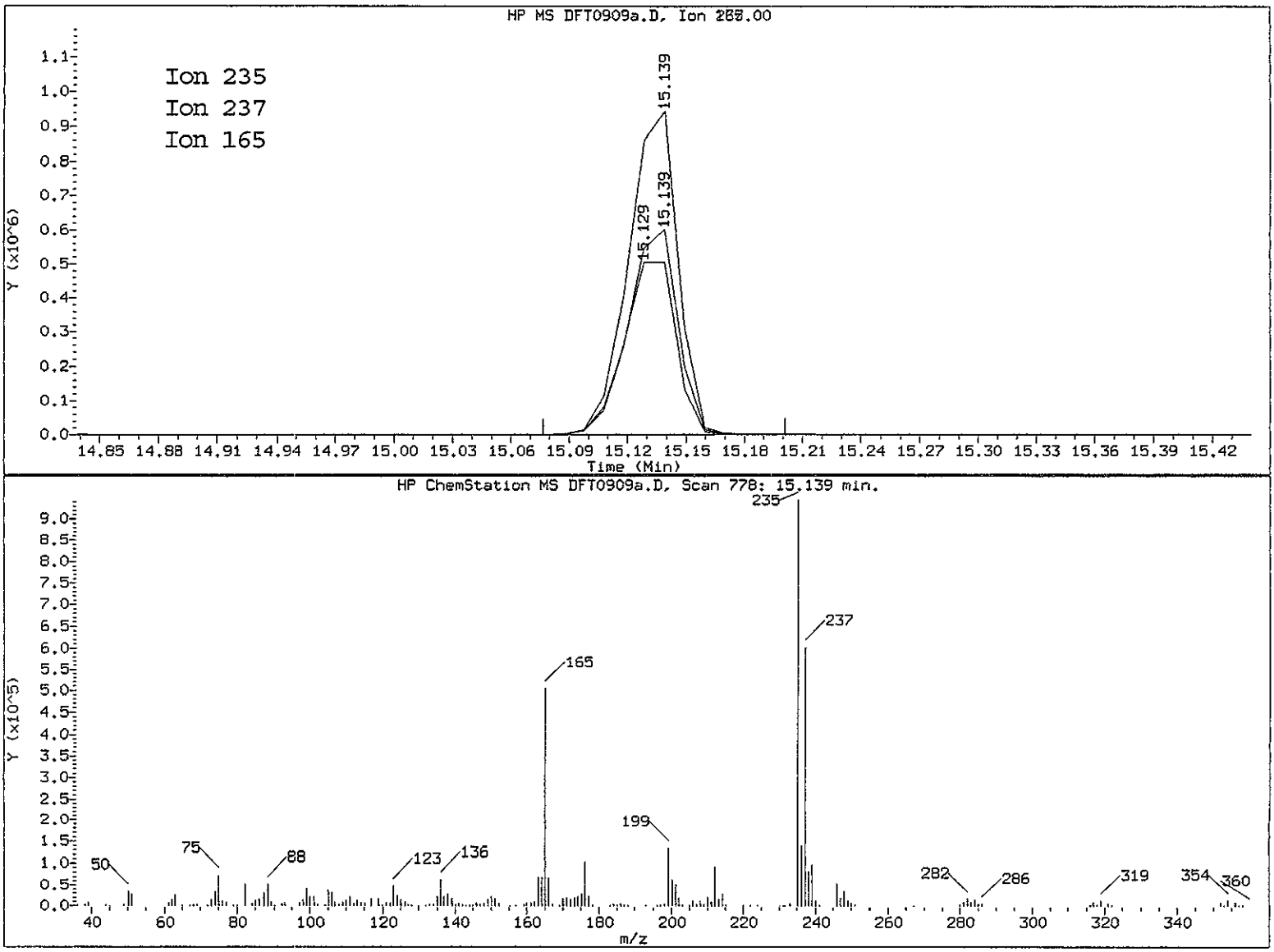
Time1 = 13.05287 Time2 = 13.09742 Time3 = 13.11285
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.347 Maximum Allowed = 3.0

Report Date: 09/09/2010 14:22

Datafile Analyzed: //SV5/C/chem/sv5.i/090910a.B/DFT0909a.D/DFT0909a.D
Method Used: \\SV5\C\chem\sv5.i\090910a.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-SEP-2010 13:56 Operator: srs
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

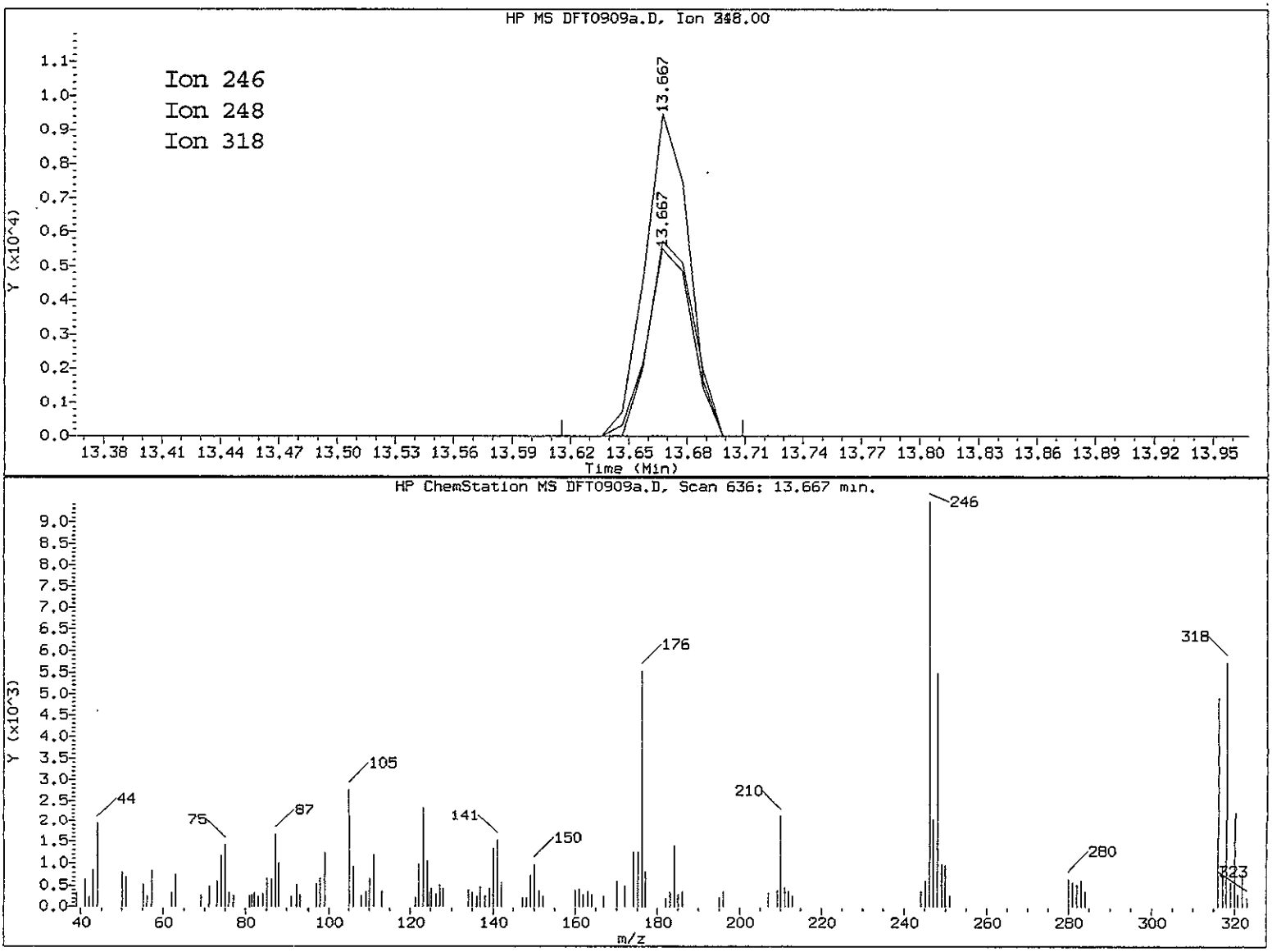


4,4'-DDT
========
Exp. RT = 15.180
Found RT = 15.139

Mass	Area	Ratio
235	1659334	100.00
237	1058992	63.82
165	941570	56.74

Report Date: 09/09/2010 14:22

Datafile Analyzed: //SV5/C/chem/sv5.i/090910a.B/DFT0909a.D/DFT0909a.D
Method Used: \\SV5\C\chem\sv5.i\090910a.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-SEP-2010 13:56 Operator: srs
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

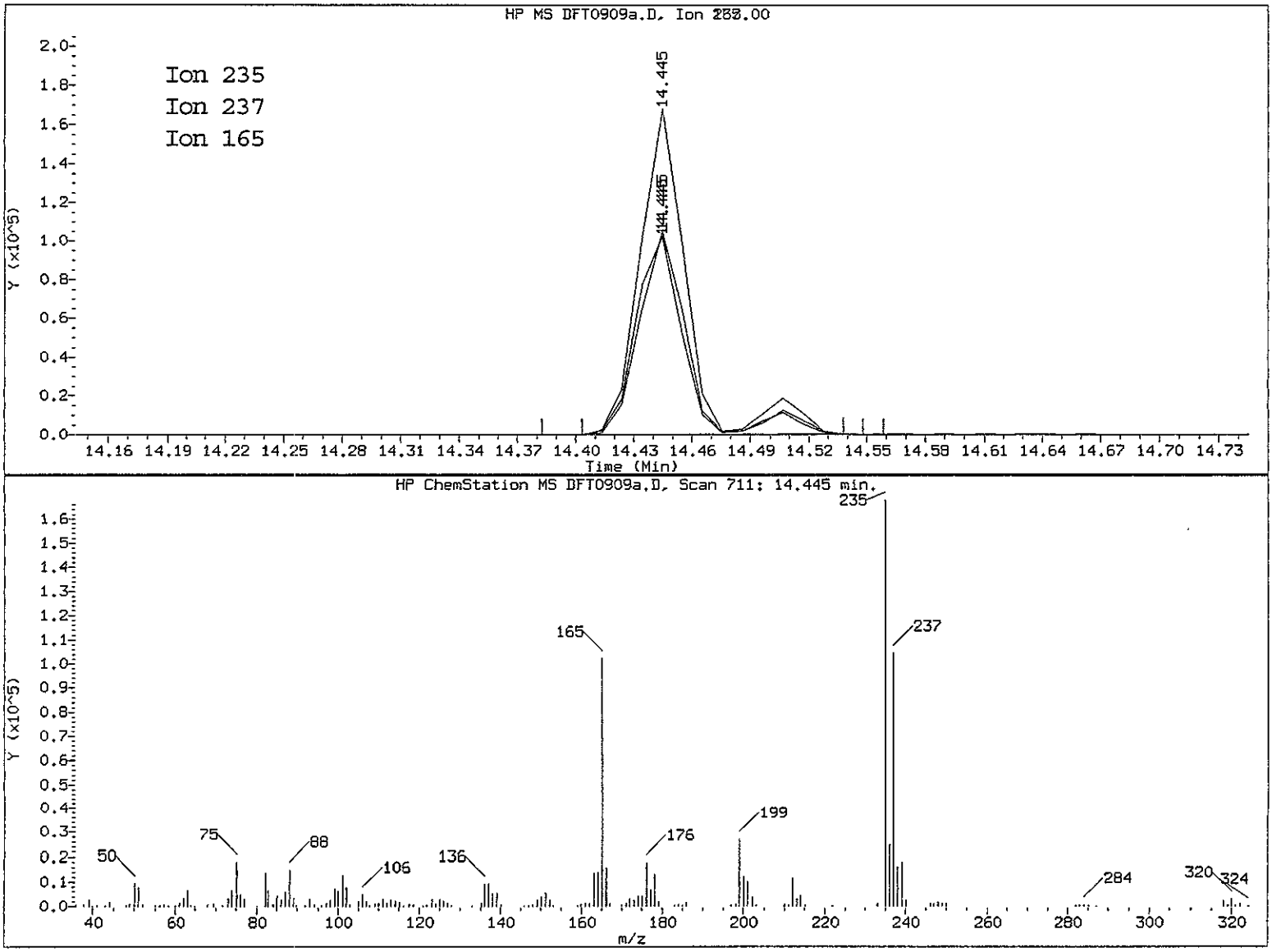


4,4'-DDE
========
Exp. RT = 13.719
Found RT = 13.667

Mass	Area	Ratio
246	14805	100.00
248	8836	59.69
318	3745	25.30

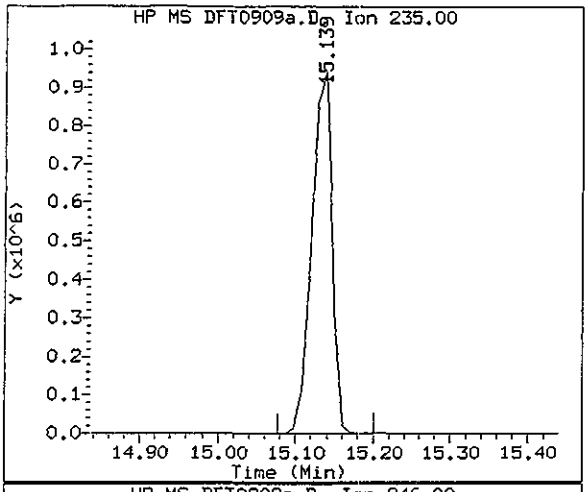
Report Date: 09/09/2010 14:22

Datafile Analyzed: //SV5/C/chem/sv5.i/090910a.B/DFT0909a.D/DFT0909a.D
Method Used: \\SV5\C\chem\sv5.i\090910a.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-SEP-2010 13:56 Operator: srs
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

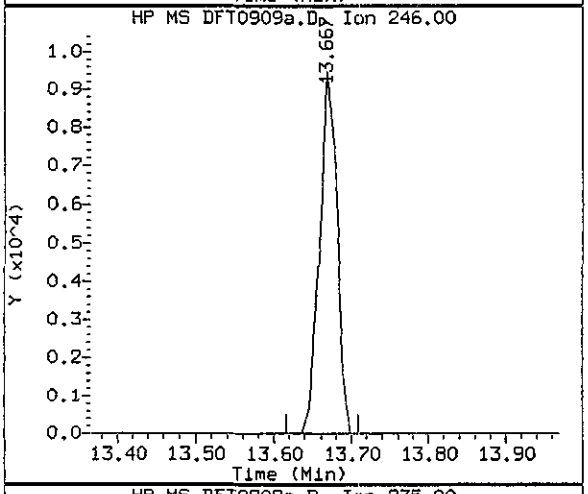


4,4'-DDD
========
Exp. RT = 14.652
Found RT = 14.445

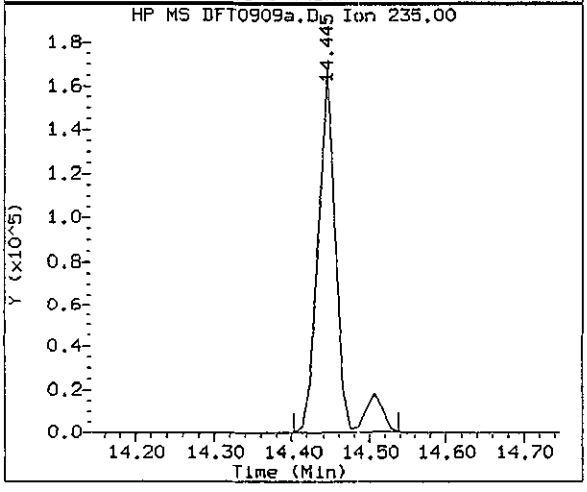
Mass	Area	Ratio
235	284811	100.00
237	182456	64.06
165	180510	63.38



Compound: 4,4'-DDT
Quant Mass: 235
RT: 15.139
Area: 1659334



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.667
Area: 14805



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.445
Area: 284811

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	299616	15.3	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\090910a.B\DFT0909a.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 09-SEP-2010 13:56
Operator : srs Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\090910a.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: SV5

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		
11.014	11.201	(0.000)	198	672256			0.00- 100.00	100.00
11.014	11.201	(0.000)	51	290112			30.00- 80.00	43.15
11.014	11.201	(0.000)	68	3375			0.00- 2.00	1.30
11.014	11.201	(0.000)	69	260608			0.00- 0.00	38.77
11.014	11.201	(0.000)	70	1452			0.00- 2.00	0.56
11.014	11.201	(0.000)	127	366336			25.00- 75.00	54.49
11.014	11.201	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
11.014	11.201	(0.000)	199	45360			5.00- 9.00	6.75
11.014	11.201	(0.000)	275	148288			10.00- 30.00	22.06
11.014	11.201	(0.000)	365	20544			0.75- 0.00	3.06
11.014	11.201	(0.000)	441	95864			0.01- 99.99	74.64
11.014	11.201	(0.000)	442	655872			40.00- 110.00	97.56
11.014	11.201	(0.000)	443	128432			15.00- 24.00	19.58

Data File: \\SV5\C\chem\sv5.i\090910a.B\DFT0909a.D

Date : 09-SEP-2010 13:56

Client ID:

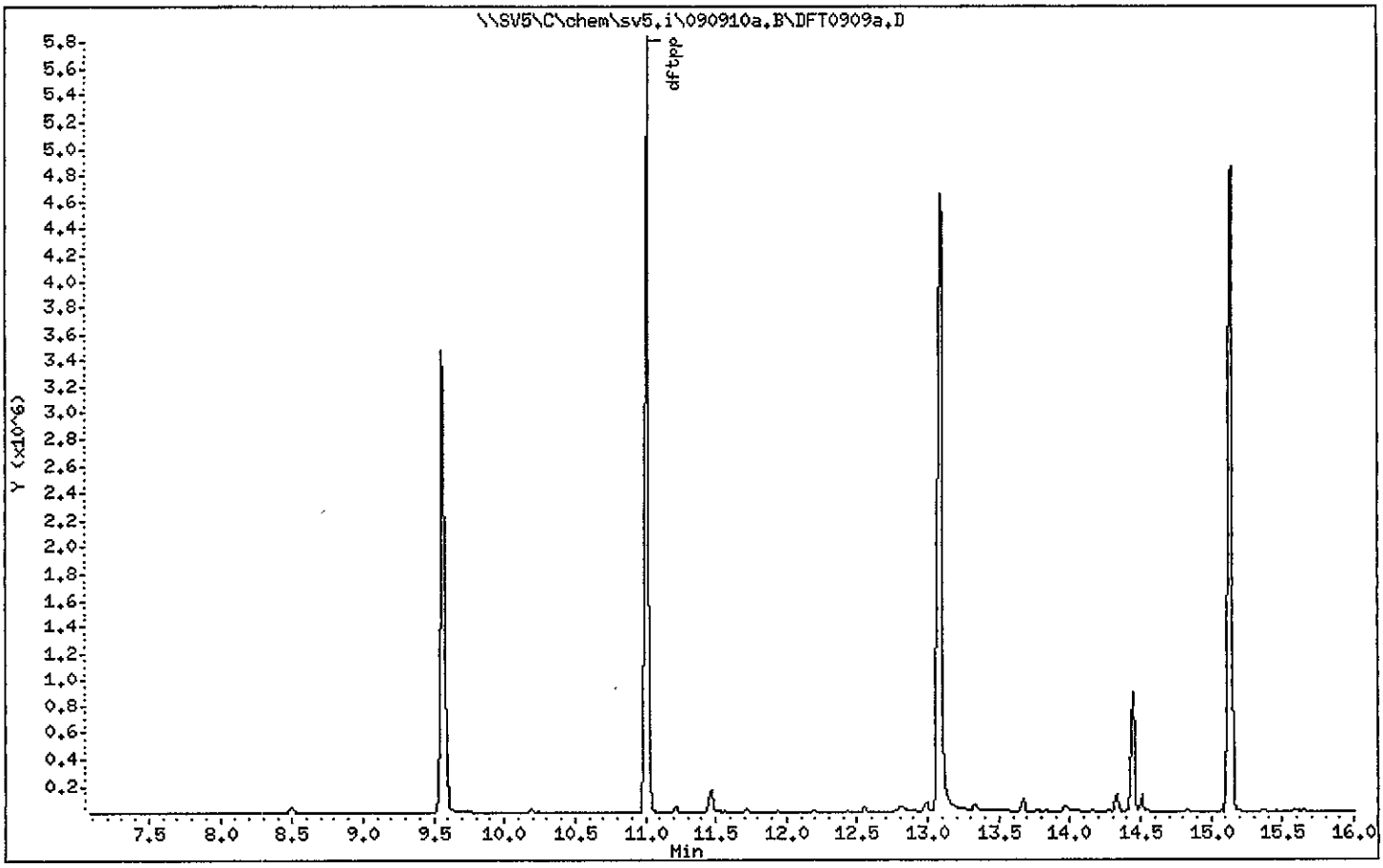
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml

Operator: srs

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\090910a.B\DFT0909a.D

Date : 09-SEP-2010 13:56

Client ID:

Instrument: sv5.i

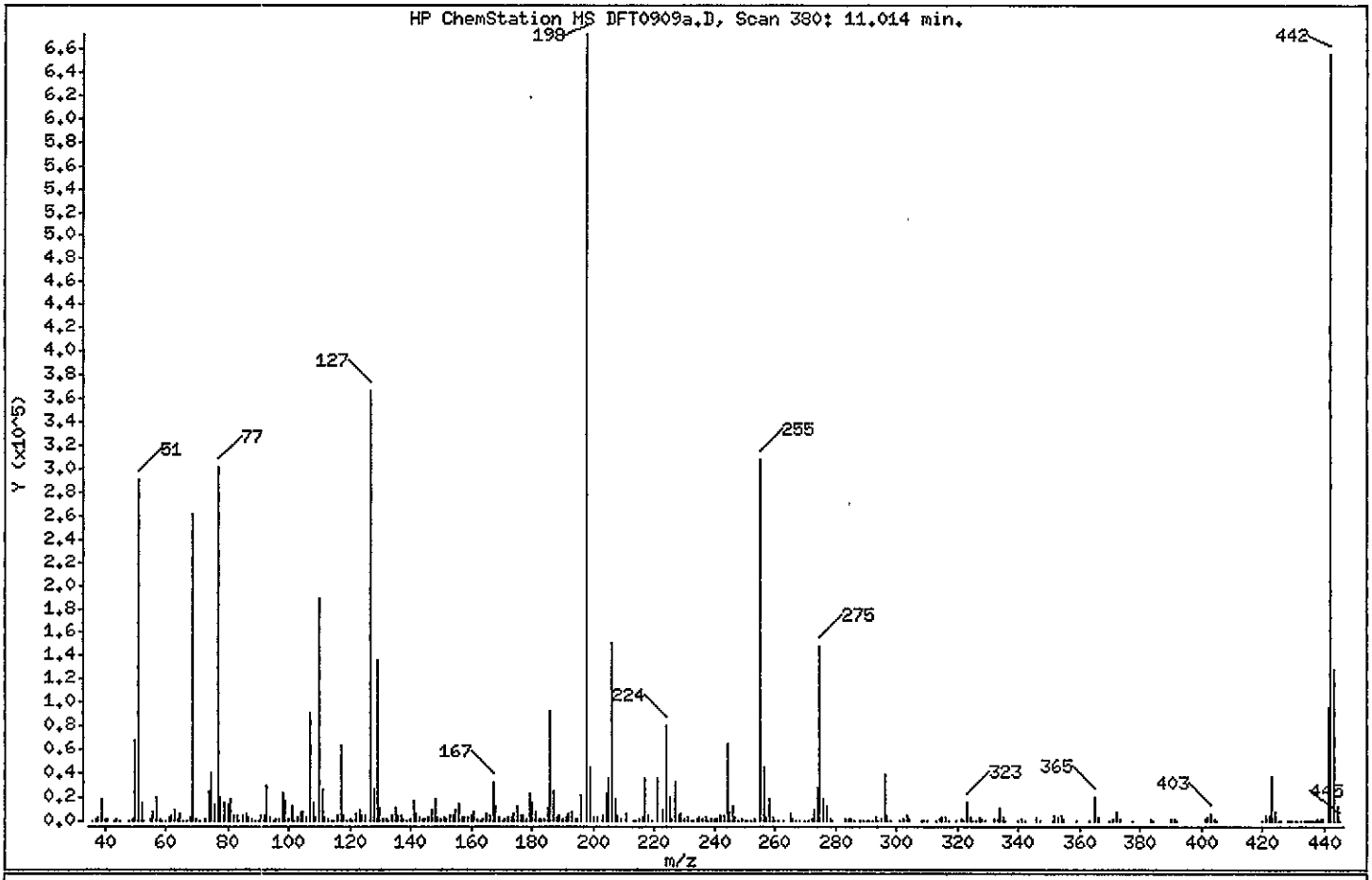
Sample Info: DFTPP 50ug/ml:

Operator: srs

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	43.15
68	Less than 2.00% of mass 69	0.50 (1.30)
69	Mass 69 relative abundance	38.77
70	Less than 2.00% of mass 69	0.22 (0.56)
127	25.00 - 75.00% of mass 198	54.49
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.75
275	10.00 - 30.00% of mass 198	22.06
365	Greater than 0.75% of mass 198	3.06
441	Present, but less than mass 443	14.26
442	40.00 - 110.00% of mass 198	97.56
443	15.00 - 24.00% of mass 442	19.10 (19.58)

Date : 09-SEP-2010 13:56

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: srs

Column phase: Column diameter: 2.00

Data File: DFT0909a.D
Spectrum: HP ChemStation MS DFT0909a.D, Scan 380: 11.014 min.
Location of Maximum: 198.00
Number of points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	295	124.00	4022	211.00	6220	310.00	459
37.10	787	125.00	4329	213.10	604	313.10	610
38.10	3361	127.00	366336	214.00	215	314.00	2251
39.10	18592	128.00	26440	215.10	1491	315.00	3819
40.10	1018	129.00	135872	216.10	2922	316.10	2611
41.00	882	130.00	10960	217.00	35680	317.10	510
43.00	289	131.00	1911	218.00	4776	319.70	294
44.00	1483	132.00	1289	219.00	652	321.00	1285
45.00	526	133.00	582	221.10	36040	322.00	675
48.30	307	134.00	4387	223.00	9355	323.10	15305
49.10	2071	135.00	11201	224.10	80008	324.10	2447
50.10	68152	136.00	4421	225.10	19768	325.00	312
51.10	290112	137.10	4867	226.10	2095	326.00	239
52.10	14796	137.80	1346	227.00	33096	327.00	2536
53.00	448	139.00	725	228.10	5117	328.00	1252
55.10	1197	140.00	1501	229.00	6888	329.00	240
56.00	8383	141.00	17024	230.10	1169	332.00	971
57.00	19800	142.00	5478	231.10	3019	333.10	1459
58.00	1011	143.00	3480	232.10	459	334.10	10323
58.90	227	144.10	1174	232.90	664	335.00	2427
60.10	253	144.90	1034	234.00	2293	335.90	406
61.00	2834	146.00	3159	235.00	2788	340.00	297
62.00	4004	147.00	8505	236.00	1189	341.10	1612
63.10	9267	148.00	18304	237.00	2377	342.10	510
64.10	1549	149.00	2748	238.00	344	346.00	3452
65.00	5759	150.00	1343	239.10	1506	346.90	386
66.20	290	151.10	2436	240.10	1038	351.20	371
67.00	490	152.10	1306	241.00	2056	352.00	4466
68.10	3375	153.00	4694	242.10	4587	353.00	3070
69.00	260608	154.00	4075	243.10	5192	354.10	4980
70.00	1452	155.00	9333	244.10	64376	355.00	1008
71.10	450	156.10	13234	245.00	7896	359.00	377
73.00	1707	157.10	3046	246.00	12128	362.90	255
74.00	24000	158.00	3437	247.00	2492	365.00	20544
75.00	39680	159.00	2591	248.00	655	366.00	2713

Date : 09-SEP-2010 13:56

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: srs

Column phase: Column diameter: 2.00

Data File: DFT0909a.D
Spectrum: HP ChemStation MS DFT0909a.D, Scan 380: 11.014 min.
Location of Maximum: 198.00
Number of points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.10	13493	160.10	4549	249.00	2014	369.90	596
77.10	300800	161.00	7472	250.00	590	371.10	1294
78.10	20768	162.10	2310	251.00	755	372.00	7583
79.00	16187	163.00	695	252.00	697	373.10	1900
80.00	13268	164.00	956	253.10	2232	377.10	241
81.00	19000	165.00	5654	255.00	307520	383.10	2235
82.00	5346	166.00	4574	256.00	45536	384.00	673
83.10	5078	167.10	31688	257.10	2767	390.00	1223
84.00	591	168.10	11814	258.00	17896	391.00	1223
85.10	4124	169.10	2394	259.00	3216	392.00	582
86.00	5866	170.10	675	260.10	473	401.10	962
87.00	2625	171.10	1263	261.10	714	402.00	3586
88.00	866	172.00	2577	263.10	317	403.00	5817
89.10	336	173.10	3095	265.00	6336	404.10	1934
90.20	212	174.00	6327	266.00	1318	405.10	302
91.00	3926	175.00	12119	267.00	235	419.80	220
92.10	4799	176.10	4070	268.00	246	421.00	4347
93.00	28872	177.00	5269	270.00	562	422.00	4359
94.00	2429	178.00	2160	271.00	630	423.00	36800
95.00	545	179.00	22800	272.20	955	424.00	7179
96.00	1543	180.00	15604	273.00	8874	424.90	475
97.00	850	181.10	7548	274.10	27472	426.00	203
98.00	22872	182.10	1100	275.00	148288	427.90	263
99.00	17664	183.00	982	276.10	19256	428.50	208
100.00	1701	184.10	1774	277.00	12107	429.10	382
101.00	11671	185.10	11358	278.10	1783	430.20	342
102.00	611	186.10	93040	279.10	579	431.00	543
103.00	3724	187.10	25200	283.10	1224	432.10	511
104.00	7386	188.00	2628	284.10	939	433.30	439
105.00	7302	189.00	4563	285.10	2023	433.90	364
106.10	2399	190.00	885	286.10	463	434.50	587
107.00	91552	191.10	2774	287.90	234	435.20	602
108.00	14818	192.00	6924	289.10	612	435.80	587
109.00	2632	193.00	7144	290.00	381	436.60	562
110.00	188608	194.00	1899	291.00	357	437.00	586

Date : 09-SEP-2010 13:56

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: srs

Column phase: Column diameter: 2.00

Data File: DFT0909a.D

Spectrum: HP ChemStation MS DFT0909a.D, Scan 380: 11.014 min.

Location of Maximum: 198.00

Number of points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	26672	195.00	1242	292.10	481	437.80	811
112.00	3139	196.00	21960	293.00	2698	438.40	728
113.00	1175	198.00	672256	294.00	744	439.00	1016
114.10	246	199.00	45360	295.10	1190	439.70	1154
115.10	325	200.00	2795	296.00	38584	441.00	95864
116.10	5291	201.50	3615	297.10	5364	442.10	655872
117.00	62592	203.00	4264	298.00	498	443.10	128432
118.00	4051	204.10	22904	301.00	666	444.10	11748
118.90	513	205.10	35960	302.10	972	445.00	690
120.00	1103	206.10	150912	303.10	5066		
121.00	494	207.10	19232	304.10	1154		
122.00	5714	208.10	5316	308.00	616		
123.00	9787	209.00	1591	308.90	364		

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\S090901.D
Lab Smp Id: L6L6T1AA G0I070000- Client Smp ID: 0250370
Inj Date : 09-SEP-2010 14:52
Operator : srs Inst ID: sv5.i
Smp Info : L6L6T1AA G0I070000-370B;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Meth Date : 09-Sep-2010 16:20 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 1
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	4.142	4.142	(1.000)	114679	40.0000		(Q)
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	519851	40.0000		
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	282063	40.0000		
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	447682	40.0000		
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	401191	40.0000		
* 6	Perylene-d12	264	16.443	16.454	(1.000)	391849	40.0000		
$ 7	2-Fluorophenol	112	2.919	2.920	(0.705)	251778	59.3688	59.37	
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	373019	68.6687	68.67	
$ 10	1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	94211	33.0487	33.05	(q)
$ 11	Nitrobenzene-d5	82	4.774	4.775	(0.858)	140161	30.2104	30.21	
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	312482	35.0046	35.00	
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	95341	86.4038	86.40	
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	312909	40.3096	40.31	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

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

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090901.D
Lab Smp Id: L6L6T1AA G0I070000-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
Client Smp ID: 0250370
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	114679	2.03
2 Naphthalene-d8	494728	247364	989456	519851	5.08
3 Acenaphthene-d10	264752	132376	529504	282063	6.54
4 Phenanthrene-d10	415811	207906	831622	447682	7.66
5 Chrysene-d12	431516	215758	863032	401191	-7.03
6 Perylene-d12	416460	208230	832920	391849	-5.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.00
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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

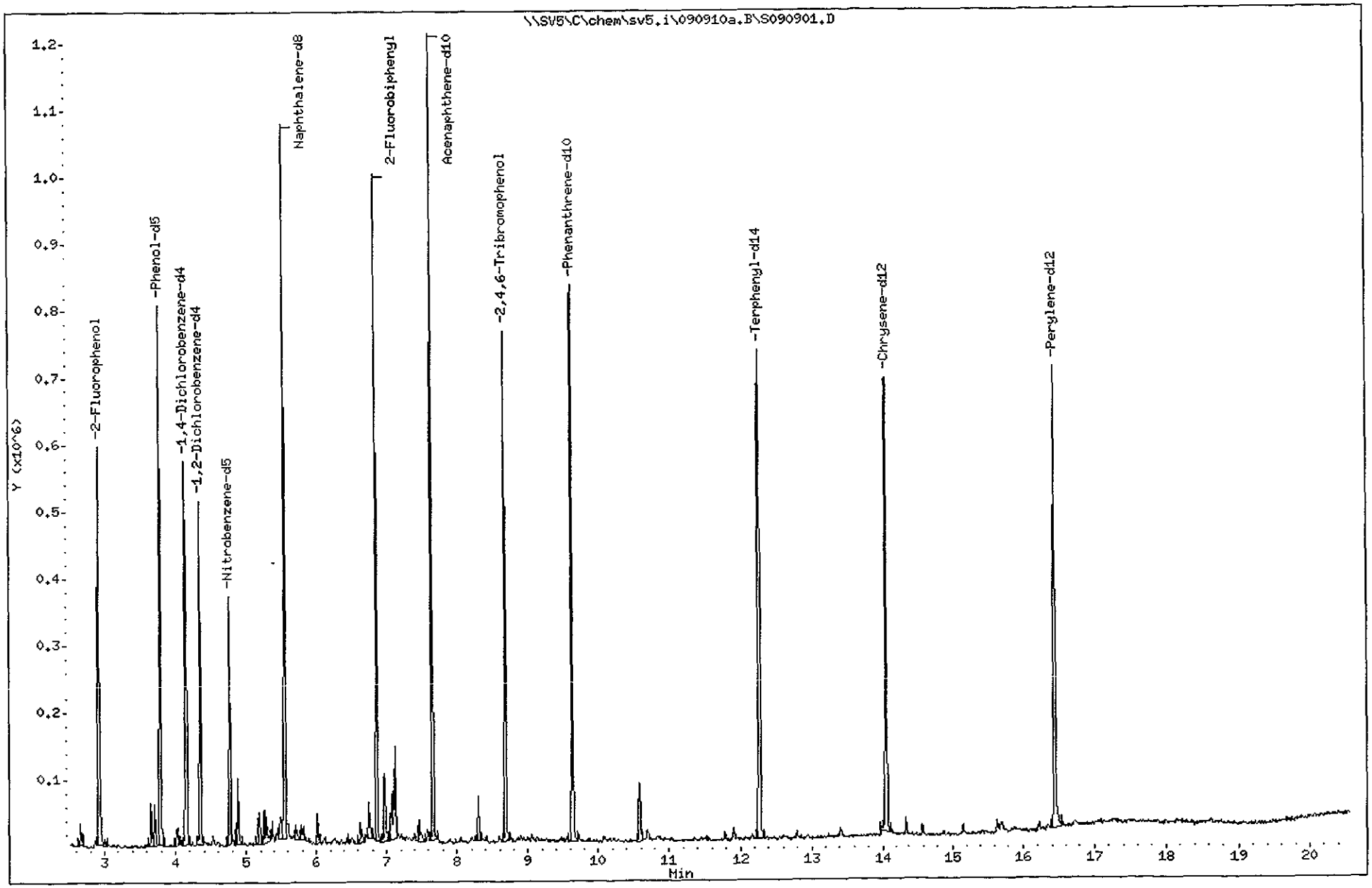
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L6L6T1AA G0I070000- Client Smp ID: 0250370
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	59.37	59.37	41-105
$ 8 Phenol-d5	100.0	68.67	68.67	43-122
$ 10 1,2-Dichlorobenzen	50.00	33.05	66.10	60-120
$ 11 Nitrobenzene-d5	50.00	30.21	60.42	46-118
$ 12 2-Fluorobiphenyl	50.00	35.00	70.01	58-105
$ 13 2,4,6-Tribromophen	100.0	86.40	86.40	61-118
$ 14 Terphenyl-d14	50.00	40.31	80.62	69-110

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090901.D
Date : 09-SEP-2010 14:52
Client ID: 0250370
Sample Info: L6L6T1AA GOI070000-370B;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\090910a.B\S090902.D
Lab Smp Id: L6L6T1AC G0I070000-
Inj Date : 09-SEP-2010 15:18
Operator : srs Inst ID: sv5.i
Smp Info : L6L6T1AC G0I070000-370C;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\090910a.B\8270F.m
Meth Date : 13-Sep-2010 13:46 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 2 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)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.142	4.142	(1.000)	112152	40.0000	
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	487648	40.0000	
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	267406	40.0000	
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	421747	40.0000	
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	397112	40.0000	
* 6	Perylene-d12	264	16.443	16.454	(1.000)	400282	40.0000	
$ 7	2-Fluorophenol	112	2.919	2.920	(0.705)	260626	62.8399	62.84
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	403784	76.0071	76.01
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.774	4.775	(0.858)	154969	35.6079	35.61
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	349161	41.2573	41.26
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	96030	91.7983	91.80
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	308775	40.1856	40.18
108	Hexachlorobenzene	284	9.210	9.210	(0.955)	189922	86.8330	86.83

9/15/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090902.D
Lab Smp Id: L6L6T1AC G0I070000-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
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	112152	-0.22
2 Naphthalene-d8	494728	247364	989456	487648	-1.43
3 Acenaphthene-d10	264752	132376	529504	267406	1.00
4 Phenanthrene-d10	415811	207906	831622	421747	1.43
5 Chrysene-d12	431516	215758	863032	397112	-7.97
6 Perylene-d12	416460	208230	832920	400282	-3.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.01
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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: L6L6T1AC G0I070000-
Level: LOW Operator: srs
Data Type: MS DATA SampleType: LCS
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.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	86.83	86.83	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.84	62.84	41-105
$ 8 Phenol-d5	100.0	76.01	76.01	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	35.61	71.22	46-118
$ 12 2-Fluorobiphenyl	50.00	41.26	82.51	58-105
$ 13 2,4,6-Tribromophen	100.0	91.80	91.80	61-118
$ 14 Terphenyl-d14	50.00	40.18	80.37	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\S090902.D
Lab Smp Id: L6L6T1AC G0I070000-
Inj Date : 09-SEP-2010 15:18
Operator : srs Inst ID: sv5.i
Smp Info : L6L6T1AC G0I070000-370C;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\090910a.B\8270F.m
Meth Date : 09-Sep-2010 16:20 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 2 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

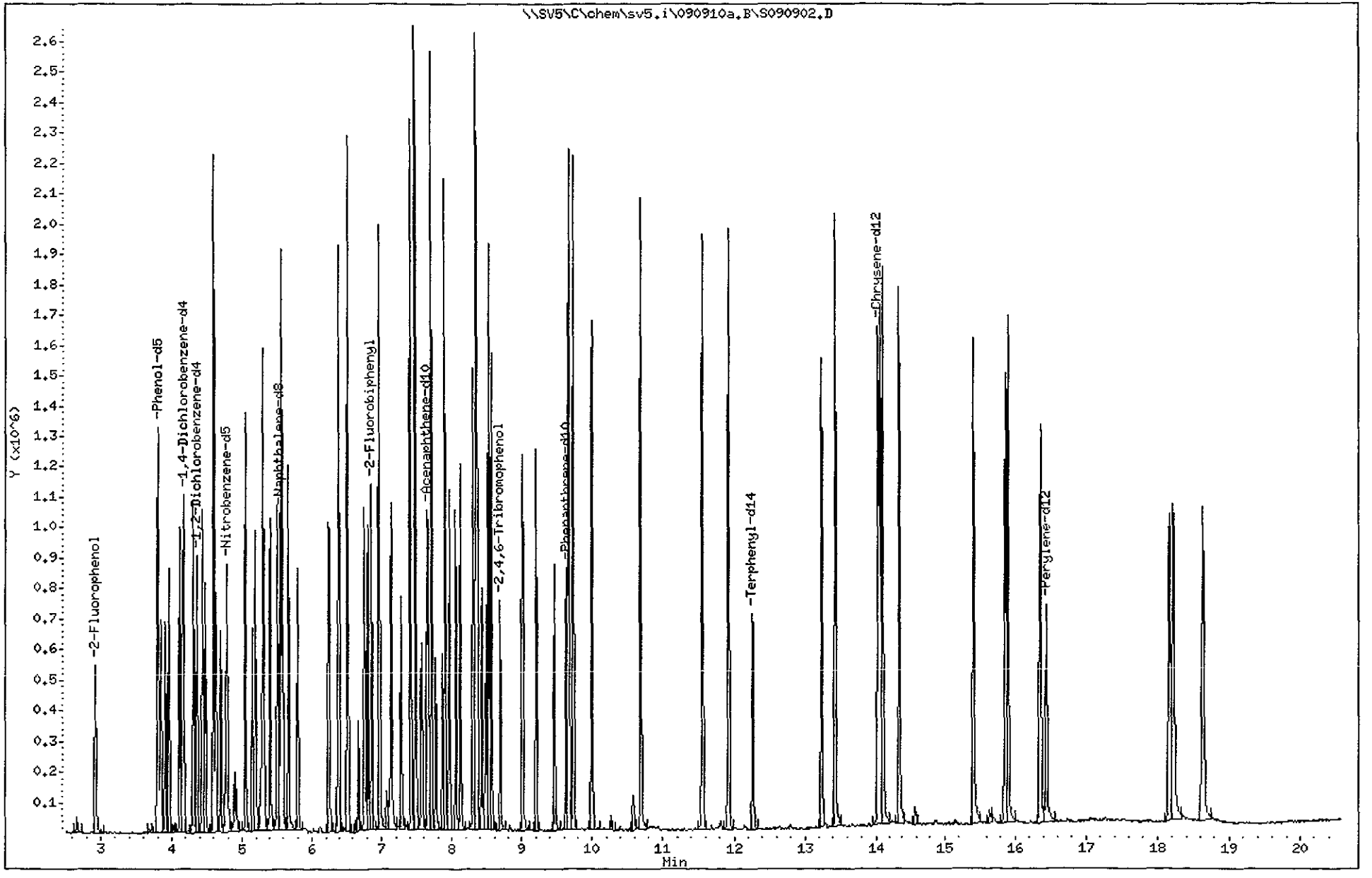
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.142	4.142	(1.000)	112152	40.0000	
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	487648	40.0000	
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	267406	40.0000	
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	421747	40.0000	
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	397112	40.0000	
* 6	Perylene-d12	264	16.443	16.454	(1.000)	400282	40.0000	
$ 7	2-Fluorophenol	112	2.919	2.920	(0.705)	260626	62.8399	62.84
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	403784	76.0071	76.01
$ 10	1,2-Dichlorobenzene-d4	152	4.360	4.350	(1.053)	141	0.05058	0.05058(QR)
$ 11	Nitrobenzene-d5	82	4.774	4.775	(0.858)	154969	35.6079	35.61
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	349161	41.2573	41.26
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	96030	91.7983	91.80
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	308775	40.1856	40.18
108	Hexachlorobenzene	284	9.210	9.210	(0.955)	189922	86.8330	86.83

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090902.D
Date : 09-SEP-2010 15:18
Client ID:
Sample Info: L6L6T1AC G0I070000-370C;3;LCS;;1000;;1000;2
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\090910a.B\S090903.D
Lab Smp Id: L6L6T1AD G0I070000-
Inj Date : 09-SEP-2010 15:44
Operator : srs Inst ID: sv5.i
Smp Info : L6L6T1AD G0I070000-370L;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\090910a.B\8270F.m
Meth Date : 13-Sep-2010 13:46 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 3 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	4.153	4.142	(1.000)	99976	40.0000	
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	426231	40.0000	
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	233875	40.0000	
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	360839	40.0000	
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	334650	40.0000	
* 6	Perylene-d12	264	16.443	16.454	(1.000)	313246	40.0000	
$ 7	2-Fluorophenol	112	2.920	2.920	(0.703)	215900	58.3958	58.40
$ 8	Phenol-d5	99	3.790	3.790	(0.913)	324335	68.4873	68.49
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.775	4.775	(0.858)	124831	32.8160	32.82
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	294994	39.8543	39.85
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	83941	91.7465	91.75
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	259782	40.1199	40.12
108	Hexachlorobenzene	284	9.210	9.210	(0.955)	171341	91.5608	91.56

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090903.D
Lab Smp Id: L6L6T1AD G0I070000-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
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	99976	-11.05
2 Naphthalene-d8	494728	247364	989456	426231	-13.85
3 Acenaphthene-d10	264752	132376	529504	233875	-11.66
4 Phenanthrene-d10	415811	207906	831622	360839	-13.22
5 Chrysene-d12	431516	215758	863032	334650	-22.45
6 Perylene-d12	416460	208230	832920	313246	-24.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.15	0.25
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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: L6L6T1AD G0I070000-
Level: LOW Operator: srs
Data Type: MS DATA SampleType: LCSD
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.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	91.56	91.56	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	58.40	58.40	41-105
$ 8 Phenol-d5	100.0	68.49	68.49	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	32.82	65.63	46-118
$ 12 2-Fluorobiphenyl	50.00	39.85	79.71	58-105
$ 13 2,4,6-Tribromophen	100.0	91.75	91.75	61-118
$ 14 Terphenyl-d14	50.00	40.12	80.24	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\S090903.D
Lab Smp Id: L6L6T1AD G0I070000-
Inj Date : 09-SEP-2010 15:44
Operator : srs Inst ID: sv5.i
Smp Info : L6L6T1AD G0I070000-370L;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\090910a.B\8270F.m
Meth Date : 09-Sep-2010 16:20 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 3 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

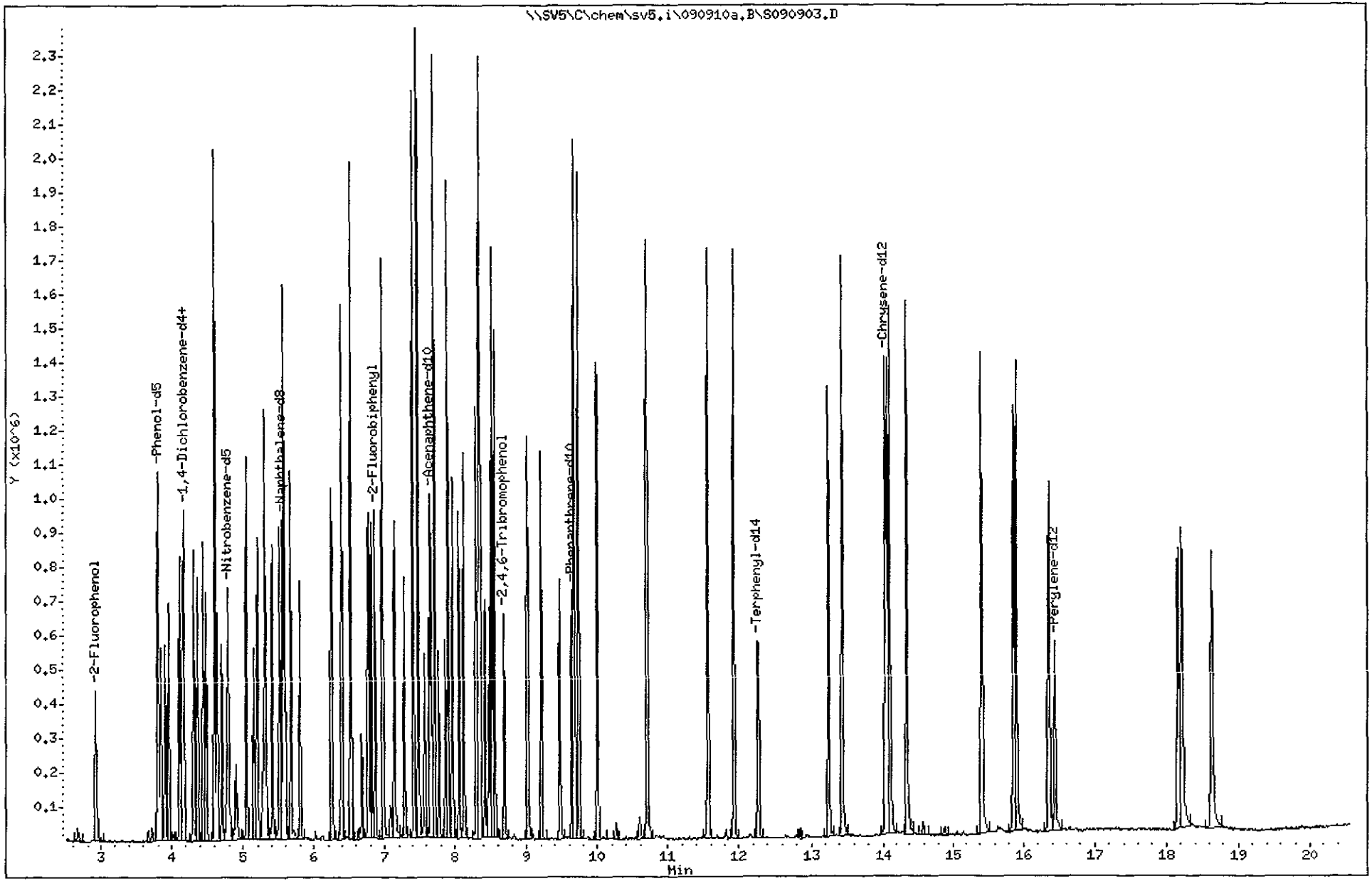
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.153	4.142	(1.000)	99976	40.0000	
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	426231	40.0000	
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	233875	40.0000	
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	360839	40.0000	
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	334650	40.0000	
* 6	Perylene-d12	264	16.443	16.454	(1.000)	313246	40.0000	
$ 7	2-Fluorophenol	112	2.920	2.920	(0.703)	215900	58.3958	58.40
$ 8	Phenol-d5	99	3.790	3.790	(0.913)	324335	68.4873	68.49
$ 10	1,2-Dichlorobenzene-d4	152	4.153	4.350	(1.000)	99976	40.2288	40.23(q)
$ 11	Nitrobenzene-d5	82	4.775	4.775	(0.858)	124831	32.8160	32.82
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	294994	39.8543	39.85
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	83941	91.7465	91.75
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	259782	40.1199	40.12
108	Hexachlorobenzene	284	9.210	9.210	(0.955)	171341	91.5608	91.56

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090903.D
Date : 09-SEP-2010 15:44
Client ID:
Sample Info: L6L6T1AD GOI070000-370L;3;LCSD;;1000;;1000;2
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\S090904.D
Lab Smp Id: L6K631AA G0I040476- Client Smp ID: 0250370
Inj Date : 09-SEP-2010 16:10
Operator : srs Inst ID: sv5.i
Smp Info : L6K631AA G0I040476-7;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Meth Date : 09-Sep-2010 16:20 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 4
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	4.142	4.142	(1.000)	103593	40.0000		(Q)
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	456704	40.0000		
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	242944	40.0000		
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	394421	40.0000		
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	348116	40.0000		
* 6	Perylene-d12	264	16.443	16.454	(1.000)	332428	40.0000		
$ 7	2-Fluorophenol	112	2.919	2.920	(0.705)	252092	65.8041	65.80	
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	370853	75.5759	75.58	
$ 10	1,2-Dichlorobenzene-d4	152	4.349	4.350	(1.050)	69875	27.1349	27.13	(QR)
$ 11	Nitrobenzene-d5	82	4.774	4.775	(0.858)	141911	34.8168	34.82	
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	300769	39.1177	39.12	
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	86556	91.0731	91.07	
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	275895	40.9601	40.96	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090904.D
Lab Smp Id: L6K631AA G0I040476-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
Client Smp ID: 0250370
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	103593	-7.83
2 Naphthalene-d8	494728	247364	989456	456704	-7.69
3 Acenaphthene-d10	264752	132376	529504	242944	-8.24
4 Phenanthrene-d10	415811	207906	831622	394421	-5.14
5 Chrysene-d12	431516	215758	863032	348116	-19.33
6 Perylene-d12	416460	208230	832920	332428	-20.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.01
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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

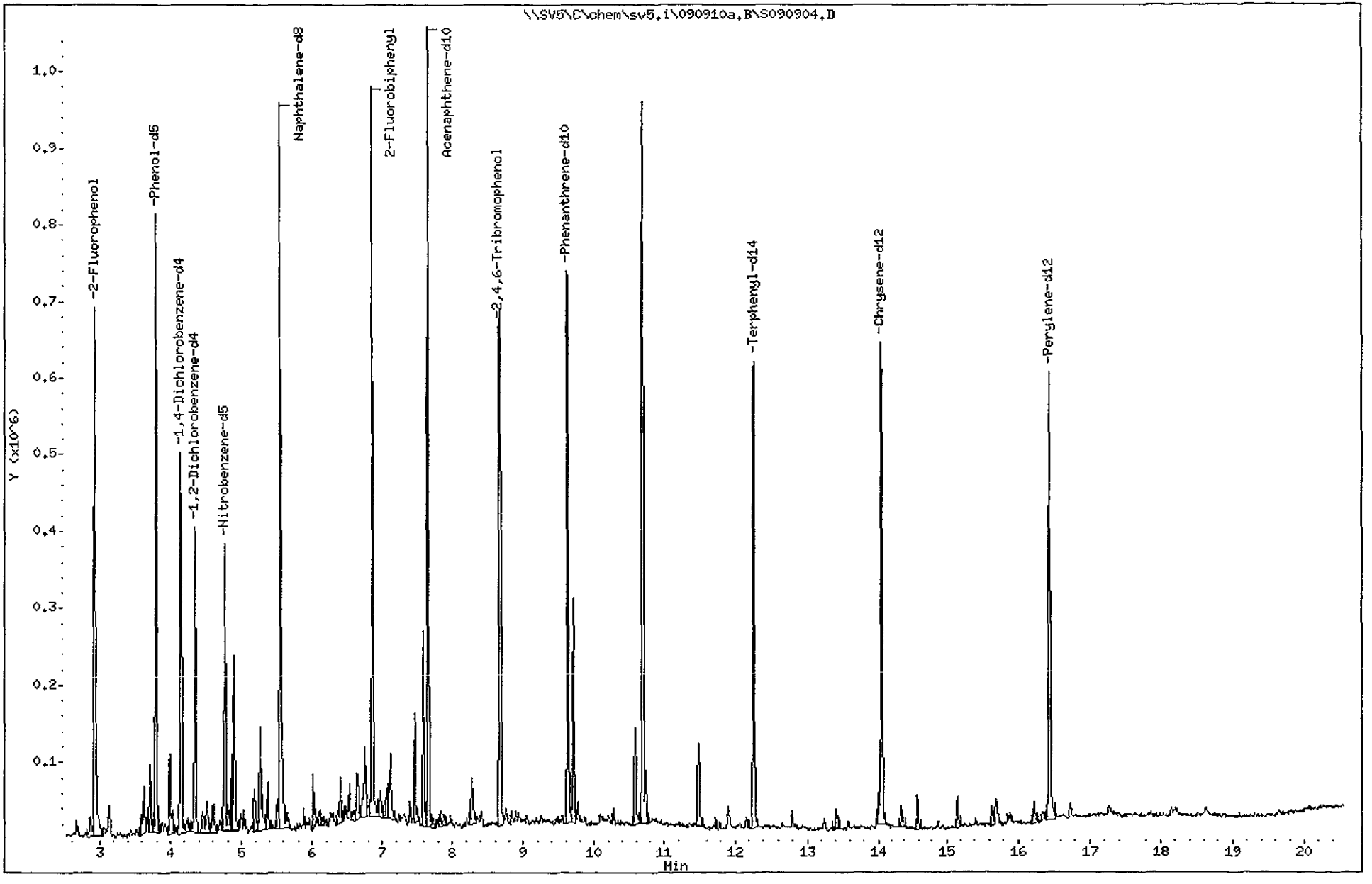
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L6K631AA G0I040476- Client Smp ID: 0250370
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	65.80	65.80	41-105
$ 8 Phenol-d5	100.0	75.58	75.58	43-122
$ 10 1,2-Dichlorobenzen	50.00	27.13	54.27*	60-120
$ 11 Nitrobenzene-d5	50.00	34.82	69.63	46-118
$ 12 2-Fluorobiphenyl	50.00	39.12	78.24	58-105
$ 13 2,4,6-Tribromophen	100.0	91.07	91.07	61-118
$ 14 Terphenyl-d14	50.00	40.96	81.92	69-110

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090904.D
Date : 09-SEP-2010 16:10
Client ID: 0250370
Sample Info: L6K631AA G0I040476-7;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\090910a.B\S090905.D
Lab Smp Id: L6K641AA G0I040476- Client Smp ID: 0250370
Inj Date : 09-SEP-2010 16:36
Operator : srs Inst ID: sv5.i
Smp Info : L6K641AA G0I040476-8;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Meth Date : 13-Sep-2010 13:46 scotts 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)	FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	4.142	4.142	(1.000)	112550	40.0000		(Q)
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	494213	40.0000		
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	270124	40.0000		
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	427047	40.0000		
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	390327	40.0000		
* 6	Perylene-d12	264	16.443	16.454	(1.000)	370826	40.0000		
$ 7	2-Fluorophenol	112	2.919	2.920	(0.705)	227268	54.6031	54.60	
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	330002	61.8989	61.90	
$ 10	1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	63015	22.5235	22.52	(QR)
$ 11	Nitrobenzene-d5	82	4.774	4.775	(0.858)	127972	29.0141	29.01	
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	277311	32.4377	32.44	
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	91572	86.6560	86.66	
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	301149	39.8744	39.87	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090905.D
Lab Smp Id: L6K641AA G0I040476-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
Client Smp ID: 0250370
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	112550	0.13
2 Naphthalene-d8	494728	247364	989456	494213	-0.10
3 Acenaphthene-d10	264752	132376	529504	270124	2.03
4 Phenanthrene-d10	415811	207906	831622	427047	2.70
5 Chrysene-d12	431516	215758	863032	390327	-9.55
6 Perylene-d12	416460	208230	832920	370826	-10.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.00
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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: L6K641AA G0I040476- Client Smp ID: 0250370
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	54.60	54.60	41-105
$ 8 Phenol-d5	100.0	61.90	61.90	43-122
$ 10 1,2-Dichlorobenzen	50.00	22.52	45.05*	60-120
$ 11 Nitrobenzene-d5	50.00	29.01	58.03	46-118
$ 12 2-Fluorobiphenyl	50.00	32.44	64.88	58-105
$ 13 2,4,6-Tribromophen	100.0	86.66	86.66	61-118
$ 14 Terphenyl-d14	50.00	39.87	79.75	69-110

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090905.D

Date : 09-SEP-2010 16:36

Client ID: 0250370

Sample Info: L6K641AA G0I040476-8;0;;;1000;;1000;5

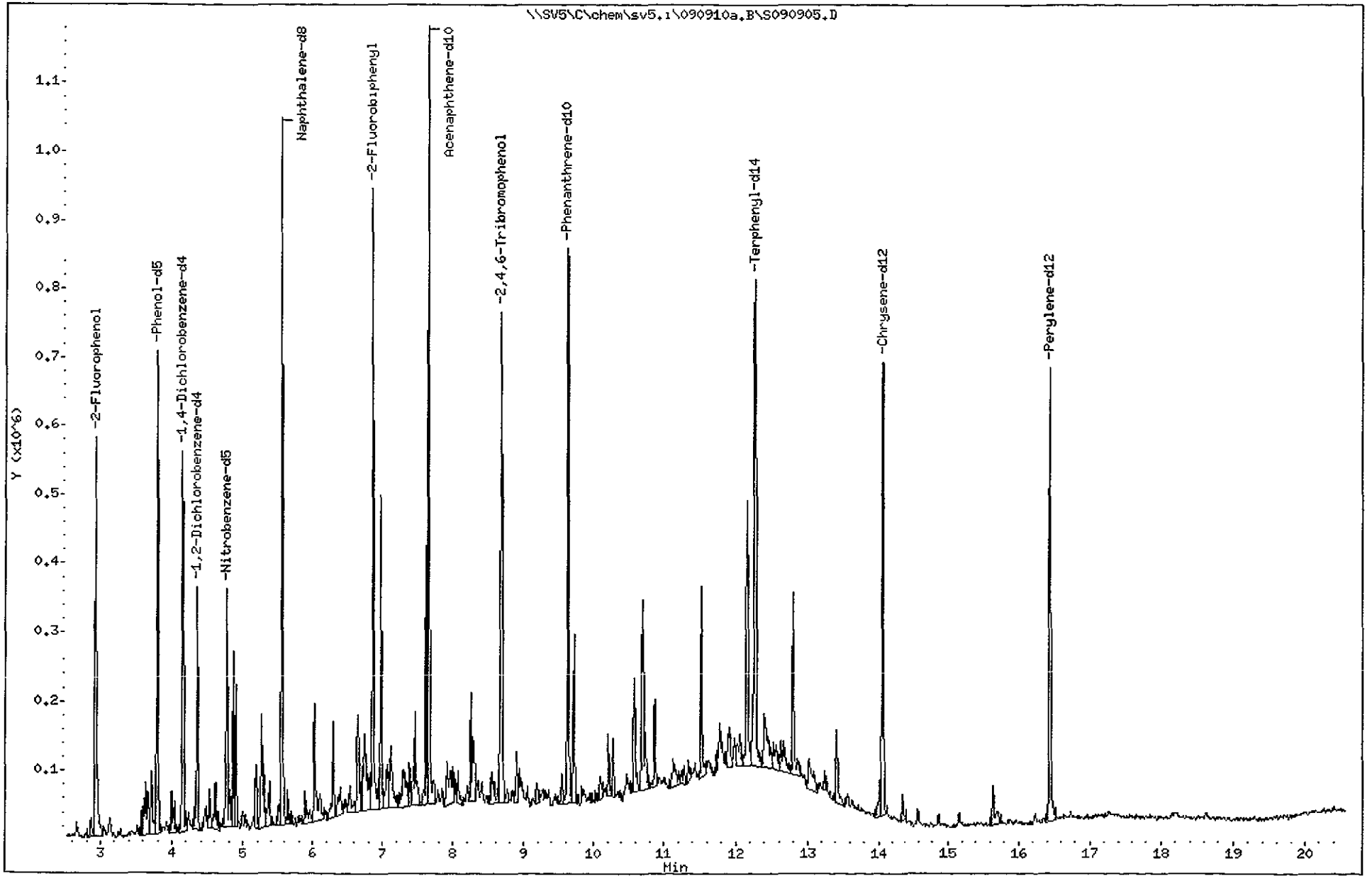
Volume Injected (uL): 1.0

Column phase:

Instrument: sv5.i

Operator: srs

Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\S090906.D
Lab Smp Id: L6K651AA G0I040476- Client Smp ID: 0250370
Inj Date : 09-SEP-2010 17:02
Operator : srs Inst ID: sv5.i
Smp Info : L6K651AA G0I040476-9;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Meth Date : 09-Sep-2010 16:20 sv5.i 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	4.142	4.142	(1.000)	98160	40.0000		(Q)
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	438713	40.0000		
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	234996	40.0000		
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	371212	40.0000		
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	329944	40.0000		
* 6	Perylene-d12	264	16.443	16.454	(1.000)	324642	40.0000		
$ 7	2-Fluorophenol	112	2.919	2.920	(0.705)	225521	62.1265	62.13	
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	340798	73.2950	73.30	
$ 10	1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	56365	23.1000	23.10	(qR)
$ 11	Nitrobenzene-d5	82	4.774	4.775	(0.858)	126634	32.3428	32.34	
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	270098	36.3168	36.32	
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	80761	87.8497	87.85	
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	255891	40.0827	40.08	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

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

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090906.D
Lab Smp Id: L6K651AA G0I040476-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
Client Smp ID: 0250370
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	98160	-12.67
2 Naphthalene-d8	494728	247364	989456	438713	-11.32
3 Acenaphthene-d10	264752	132376	529504	234996	-11.24
4 Phenanthrene-d10	415811	207906	831622	371212	-10.73
5 Chrysene-d12	431516	215758	863032	329944	-23.54
6 Perylene-d12	416460	208230	832920	324642	-22.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.00
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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

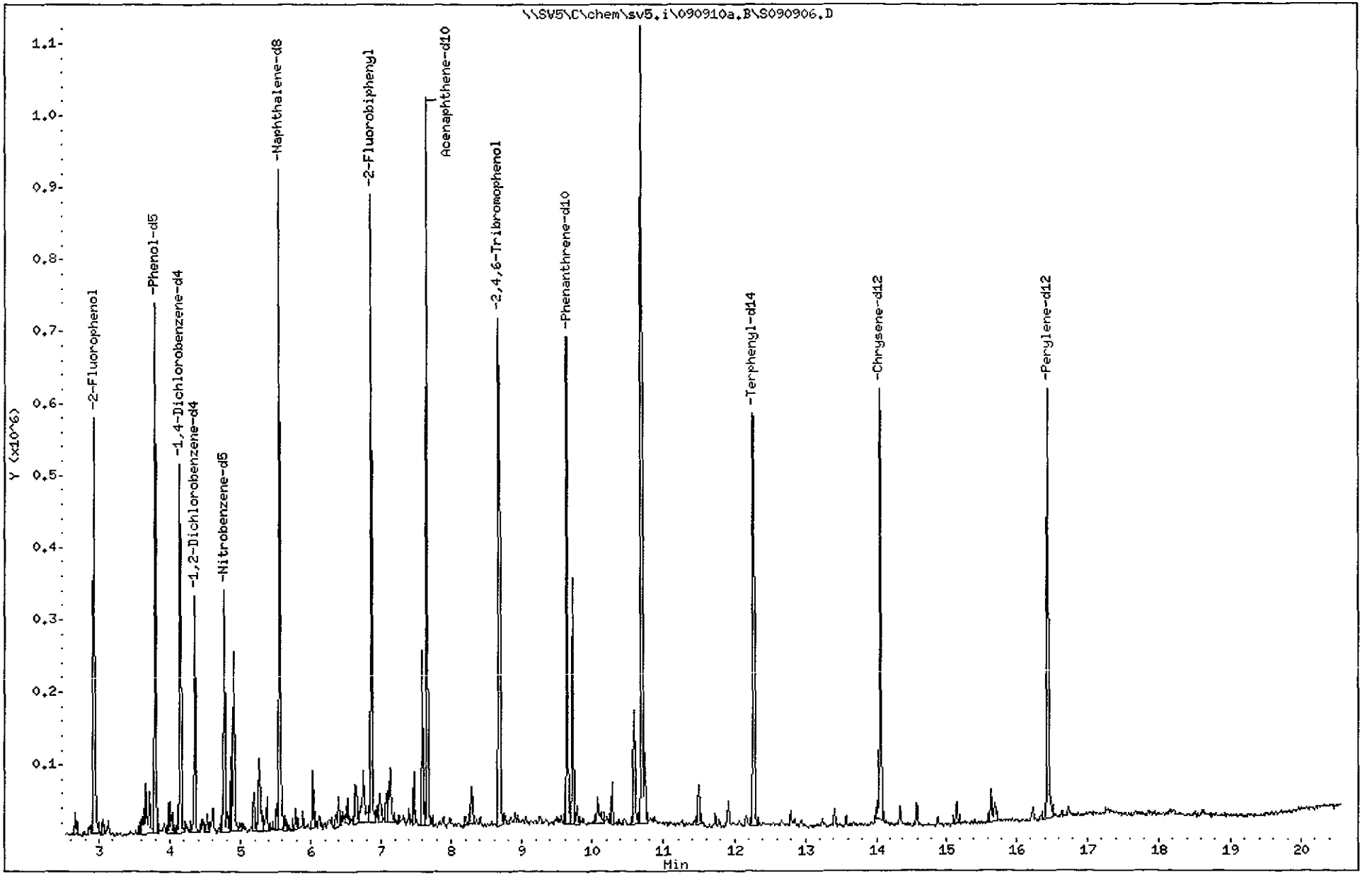
Client Name:
Sample Matrix: GAS
Lab Smp Id: L6K651AA G0I040476-
Level: LOW
Data Type: MS DATA
SpikeList File:
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Client SDG: 090498
Fraction: SV
Client Smp ID: 0250370
Operator: srs
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.13	62.13	41-105
$ 8 Phenol-d5	100.0	73.30	73.30	43-122
$ 10 1,2-Dichlorobenzen	50.00	23.10	46.20*	60-120
$ 11 Nitrobenzene-d5	50.00	32.34	64.69	46-118
$ 12 2-Fluorobiphenyl	50.00	36.32	72.63	58-105
$ 13 2,4,6-Tribromophen	100.0	87.85	87.85	61-118
$ 14 Terphenyl-d14	50.00	40.08	80.17	69-110

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090906.D
Date : 09-SEP-2010 17:02
Client ID: 0250370
Sample Info: L6K651AA G0I040476-9;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\S090907.D
Lab Smp Id: L6K661AA G0I040476- Client Smp ID: 0250370
Inj Date : 09-SEP-2010 17:28
Operator : srs Inst ID: sv5.i
Smp Info : L6K661AA G0I040476-10;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Meth Date : 09-Sep-2010 16:20 sv5.i 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	4.142	4.142	(1.000)	127155	40.0000		(Q)
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	552378	40.0000		
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	293422	40.0000		
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	465641	40.0000		
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	442505	40.0000		
* 6	Perylene-d12	264	16.443	16.454	(1.000)	435496	40.0000		
$ 7	2-Fluorophenol	112	2.919	2.920	(0.705)	281589	59.8834	59.88	
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	420655	69.8400	69.84	
$ 10	1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	24856	7.86384	7.864	(qR)
$ 11	Nitrobenzene-d5	82	4.774	4.775	(0.858)	152935	31.0226	31.02	
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	329448	35.4765	35.48	
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	99388	86.5845	86.58	
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	332731	38.8612	38.86	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

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

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090907.D
Lab Smp Id: L6K661AA G0I040476-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
Client Smp ID: 0250370
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	127155	13.13
2 Naphthalene-d8	494728	247364	989456	552378	11.65
3 Acenaphthene-d10	264752	132376	529504	293422	10.83
4 Phenanthrene-d10	415811	207906	831622	465641	11.98
5 Chrysene-d12	431516	215758	863032	442505	2.55
6 Perylene-d12	416460	208230	832920	435496	4.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.00
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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

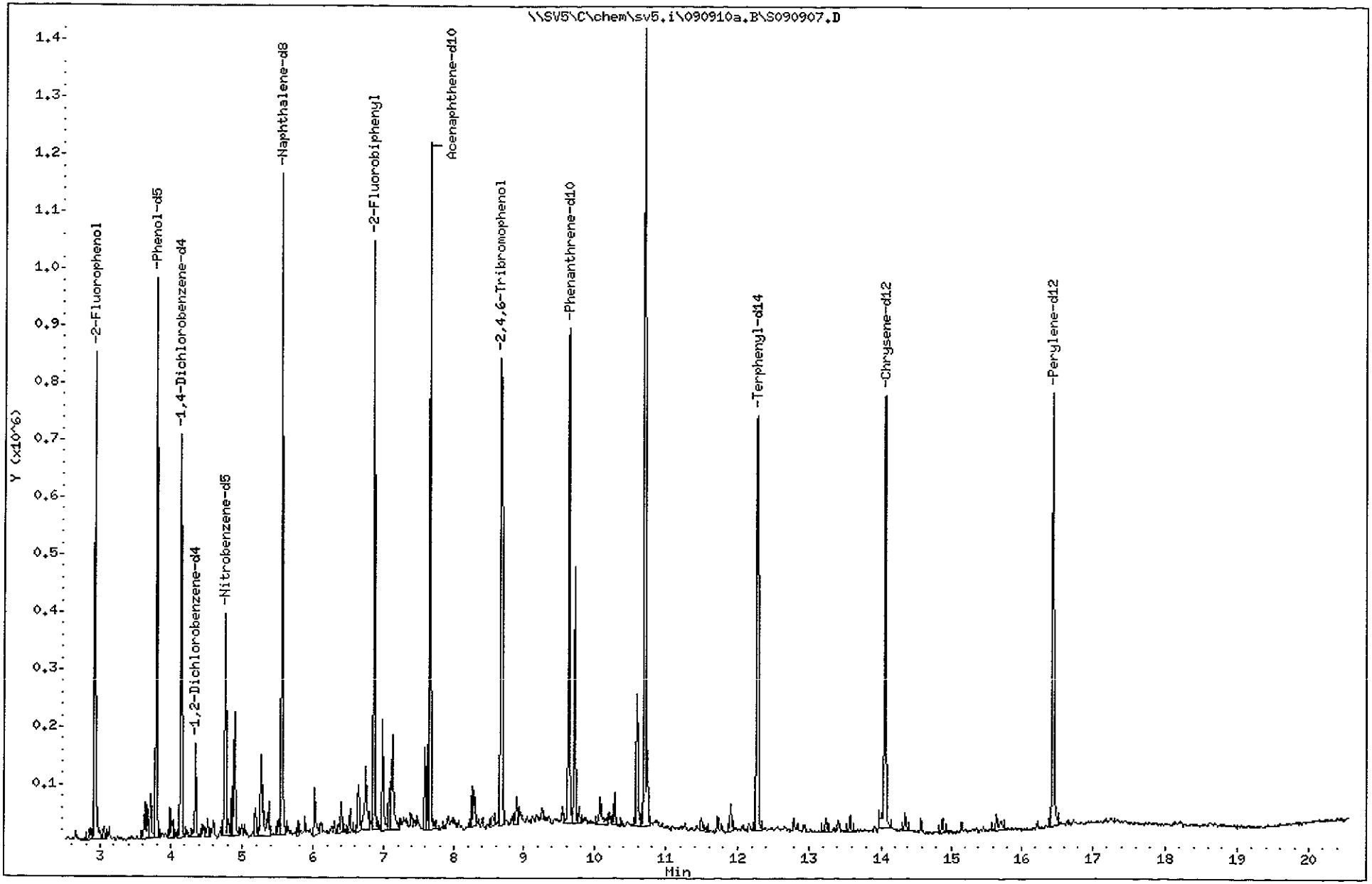
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L6K661AA G0I040476- Client Smp ID: 0250370
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	59.88	59.88	41-105
$ 8 Phenol-d5	100.0	69.84	69.84	43-122
$ 10 1,2-Dichlorobenzen	50.00	7.864	15.73*	60-120
$ 11 Nitrobenzene-d5	50.00	31.02	62.05	46-118
$ 12 2-Fluorobiphenyl	50.00	35.48	70.95	58-105
$ 13 2,4,6-Tribromophen	100.0	86.58	86.58	61-118
$ 14 Terphenyl-d14	50.00	38.86	77.72	69-110

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090907.D
Date : 09-SEP-2010 17:28
Client ID: 0250370
Sample Info: L6K661AA G0I040476-10;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\090910a.B\S090908.D
Lab Smp Id: L6K671AA G0I040476- Client Smp ID: 0250370
Inj Date : 09-SEP-2010 17:54
Operator : srs Inst ID: sv5.i
Smp Info : L6K671AA G0I040476-11;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Meth Date : 09-Sep-2010 16:20 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 8
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	4.142	4.142	(1.000)	104392	40.0000		(Q)
*	2 Naphthalene-d8	136	5.562	5.562	(1.000)	460353	40.0000		
*	3 Acenaphthene-d10	164	7.666	7.666	(1.000)	251366	40.0000		
*	4 Phenanthrene-d10	188	9.635	9.645	(1.000)	392508	40.0000		
*	5 Chrysene-d12	240	14.049	14.060	(1.000)	370606	40.0000		
*	6 Perylene-d12	264	16.443	16.454	(1.000)	369998	40.0000		
$	7 2-Fluorophenol	112	2.920	2.920	(0.705)	219095	56.7531	56.75	
$	8 Phenol-d5	99	3.790	3.790	(0.915)	326024	65.9317	65.93	
$	10 1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	67754	26.1099	26.11	(qR)
$	11 Nitrobenzene-d5	82	4.775	4.775	(0.858)	124769	30.3685	30.37	
$	12 2-Fluorobiphenyl	172	6.868	6.868	(0.896)	260125	32.6980	32.70	
$	13 2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	80996	82.3675	82.37	
$	14 Terphenyl-d14	244	12.267	12.277	(0.873)	268533	37.4478	37.45	
	108 Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

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

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090908.D
Lab Smp Id: L6K671AA G0I040476-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
Client Smp ID: 0250370
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	104392	-7.12
2 Naphthalene-d8	494728	247364	989456	460353	-6.95
3 Acenaphthene-d10	264752	132376	529504	251366	-5.06
4 Phenanthrene-d10	415811	207906	831622	392508	-5.60
5 Chrysene-d12	431516	215758	863032	370606	-14.12
6 Perylene-d12	416460	208230	832920	369998	-11.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.00
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.64	-0.11
5 Chrysene-d12	14.06	13.56	14.56	14.05	-0.07
6 Perylene-d12	16.45	15.95	16.95	16.44	-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

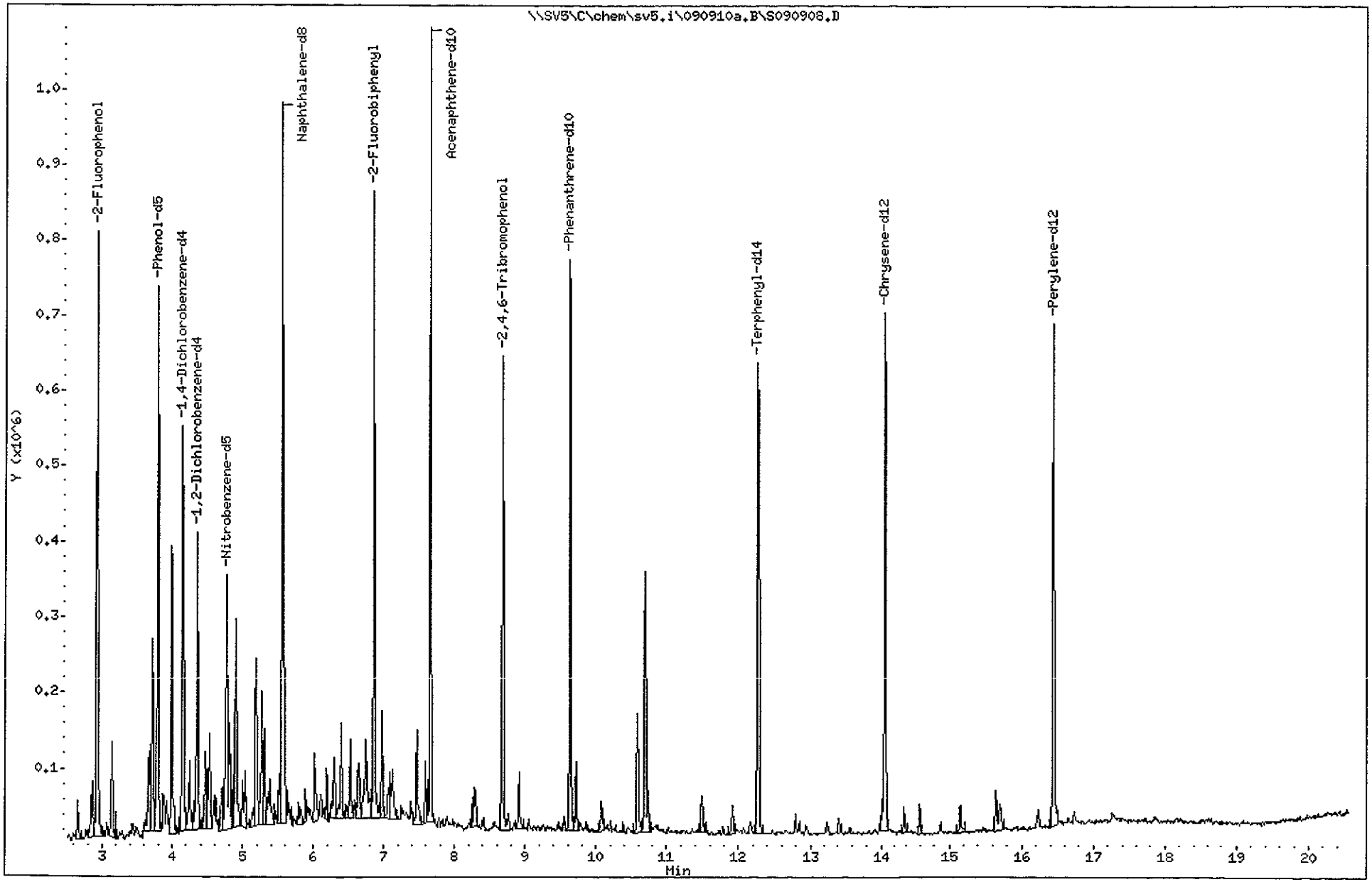
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L6K671AA G0I040476- Client Smp ID: 0250370
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	56.75	56.75	41-105
$ 8 Phenol-d5	100.0	65.93	65.93	43-122
$ 10 1,2-Dichlorobenzen	50.00	26.11	52.22*	60-120
$ 11 Nitrobenzene-d5	50.00	30.37	60.74	46-118
$ 12 2-Fluorobiphenyl	50.00	32.70	65.40	58-105
$ 13 2,4,6-Tribromophen	100.0	82.37	82.37	61-118
$ 14 Terphenyl-d14	50.00	37.45	74.90	69-110

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090908.D
Date : 09-SEP-2010 17:54
Client ID: 0250370
Sample Info: L6K671AA G0I040476-11;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\090910a.B\S090909.D
Lab Smp Id: L6K681AA G0I040476- Client Smp ID: 0250370
Inj Date : 09-SEP-2010 18:20
Operator : srs Inst ID: sv5.i
Smp Info : L6K681AA G0I040476-12;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Meth Date : 13-Sep-2010 13:46 scotts Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 9
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	4.142	4.142	(1.000)	126724	40.0000	(Q)
* 2	Naphthalene-d8	136	5.562	5.562	(1.000)	568718	40.0000	
* 3	Acenaphthene-d10	164	7.666	7.666	(1.000)	302849	40.0000	
* 4	Phenanthrene-d10	188	9.645	9.645	(1.000)	478514	40.0000	
* 5	Chrysene-d12	240	14.060	14.060	(1.000)	440405	40.0000	
* 6	Perylene-d12	264	16.443	16.454	(1.000)	436931	40.0000	
$ 7	2-Fluorophenol	112	2.920	2.920	(0.705)	274850	58.6491	58.65
$ 8	Phenol-d5	99	3.790	3.790	(0.915)	397318	66.1898	66.19
$ 10	1,2-Dichlorobenzene-d4	152	4.350	4.350	(1.050)	83137	26.3920	26.39(qR)
$ 11	Nitrobenzene-d5	82	4.775	4.775	(0.858)	157653	31.0608	31.06
$ 12	2-Fluorobiphenyl	172	6.868	6.868	(0.896)	324814	33.8887	33.89
$ 13	2,4,6-Tribromophenol	330	8.692	8.692	(1.134)	98197	82.8841	82.88
$ 14	Terphenyl-d14	244	12.277	12.277	(0.873)	335042	39.3178	39.32
108	Hexachlorobenzene	284	Compound Not Detected.					

QC Flag Legend

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

9-15-10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S090909.D
Lab Smp Id: L6K681AA G0I040476-
Analysis Type: SV
Quant Type: ISTD
Operator: srs
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

Calibration Date: 09-SEP-2010
Calibration Time: 14:24
Client Smp ID: 0250370
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	126724	12.74
2 Naphthalene-d8	494728	247364	989456	568718	14.96
3 Acenaphthene-d10	264752	132376	529504	302849	14.39
4 Phenanthrene-d10	415811	207906	831622	478514	15.08
5 Chrysene-d12	431516	215758	863032	440405	2.06
6 Perylene-d12	416460	208230	832920	436931	4.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.00
2 Naphthalene-d8	5.56	5.06	6.06	5.56	-0.00
3 Acenaphthene-d10	7.67	7.17	8.17	7.67	-0.00
4 Phenanthrene-d10	9.65	9.15	10.15	9.65	-0.00
5 Chrysene-d12	14.06	13.56	14.56	14.06	-0.00
6 Perylene-d12	16.45	15.95	16.95	16.44	-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

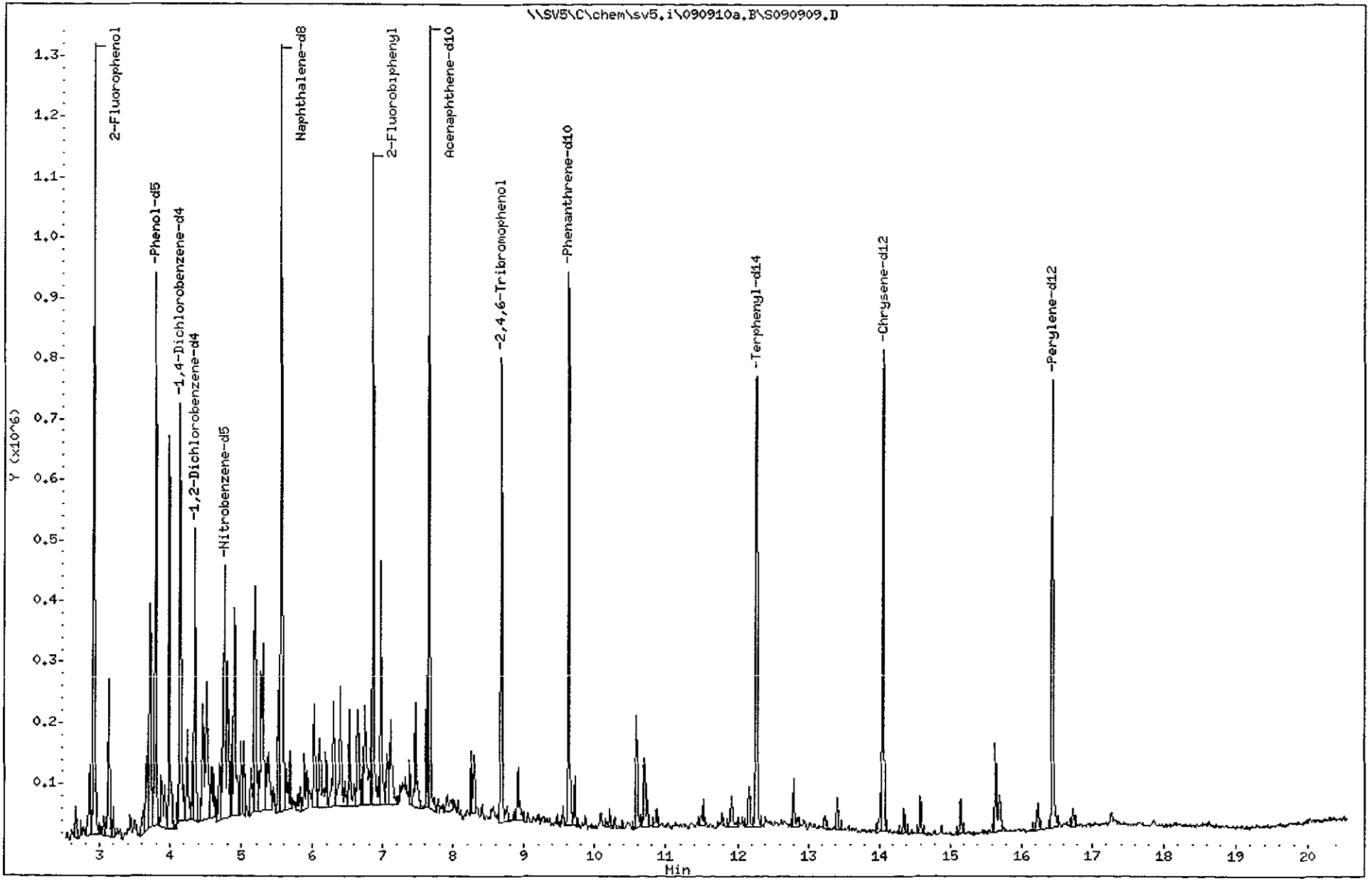
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L6K681AA G0I040476- Client Smp ID: 0250370
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\090910a.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0250370;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	58.65	58.65	41-105
$ 8 Phenol-d5	100.0	66.19	66.19	43-122
$ 10 1,2-Dichlorobenzen	50.00	26.39	52.78*	60-120
$ 11 Nitrobenzene-d5	50.00	31.06	62.12	46-118
$ 12 2-Fluorobiphenyl	50.00	33.89	67.78	58-105
$ 13 2,4,6-Tribromophen	100.0	82.88	82.88	61-118
$ 14 Terphenyl-d14	50.00	39.32	78.64	69-110

Data File: \\SV5\C\chem\sv5.i\090910a.B\S090909.D
Date : 09-SEP-2010 18:20
Client ID: 0250370
Sample Info: L6K681AA G0I040476-12;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
MS SemiVOA ICAL Checklist
Method 8270C

Instrument:SV5 | **DFTPP Mix ID: 10MSSV0129**

Injection Date: 8/23/2010 | **STD Mix IDs: 10MSSV0307-0313**

Initiator/Date: SRS/8/24/2010 | **2nd Source Mix ID: 10MSSV0~~314~~ 314**

Reviewer/Date: [signature] 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~~. RS 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

880 Riverside Parkway
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	160.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
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 calculation 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	160.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
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		4.69089
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	0.71183						
	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	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										
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

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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	160.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
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
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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	160.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
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
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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										
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

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Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 23-AUG-2010 18:50
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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										
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	1.21623	1.27426	1.22593	1.27878					
	1.25159						AVRG		1.25231		2.06531

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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

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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
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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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
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

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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										
$ 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

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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 ***
****

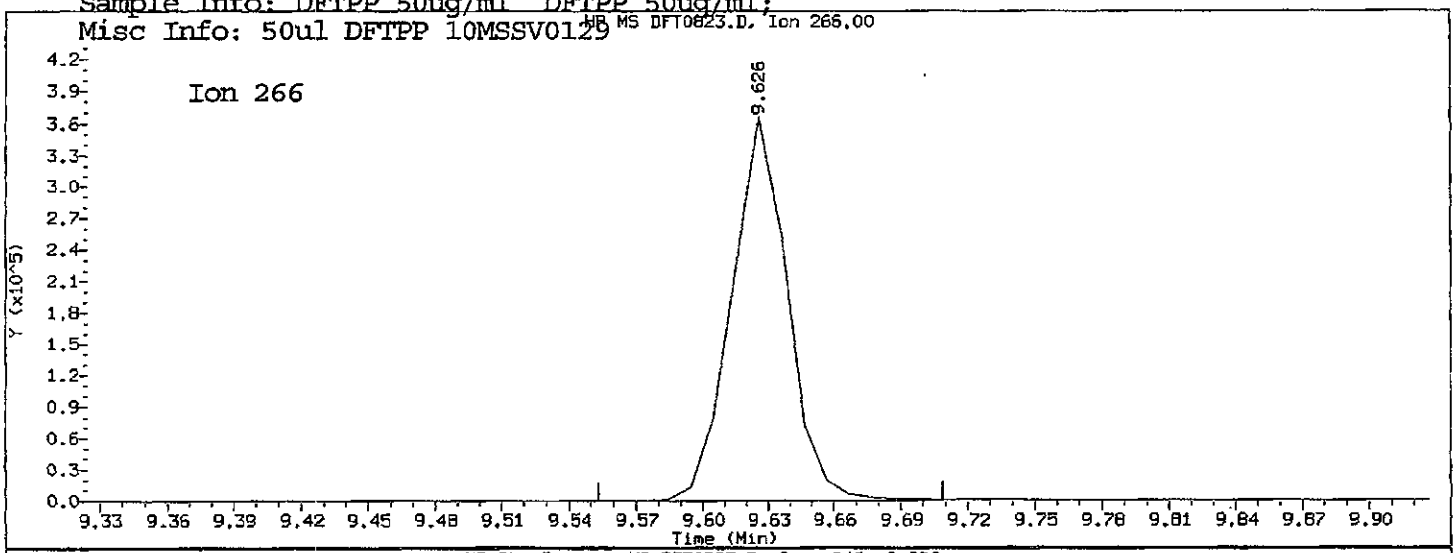
Sample //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D

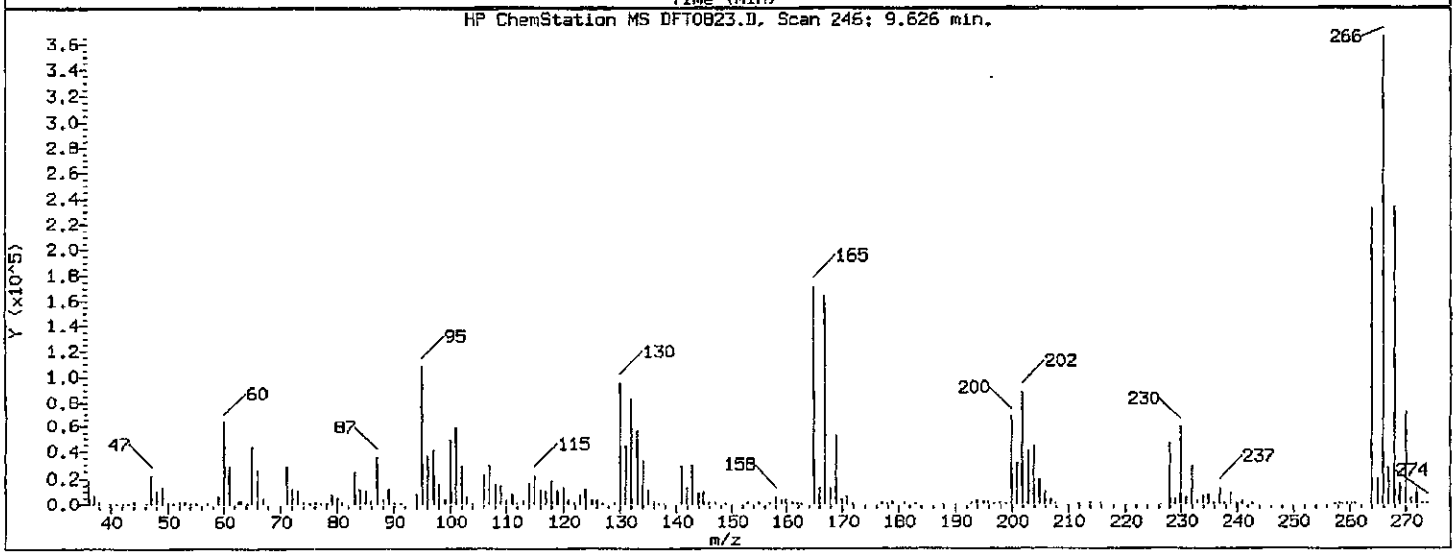
GKB 8/24/10

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

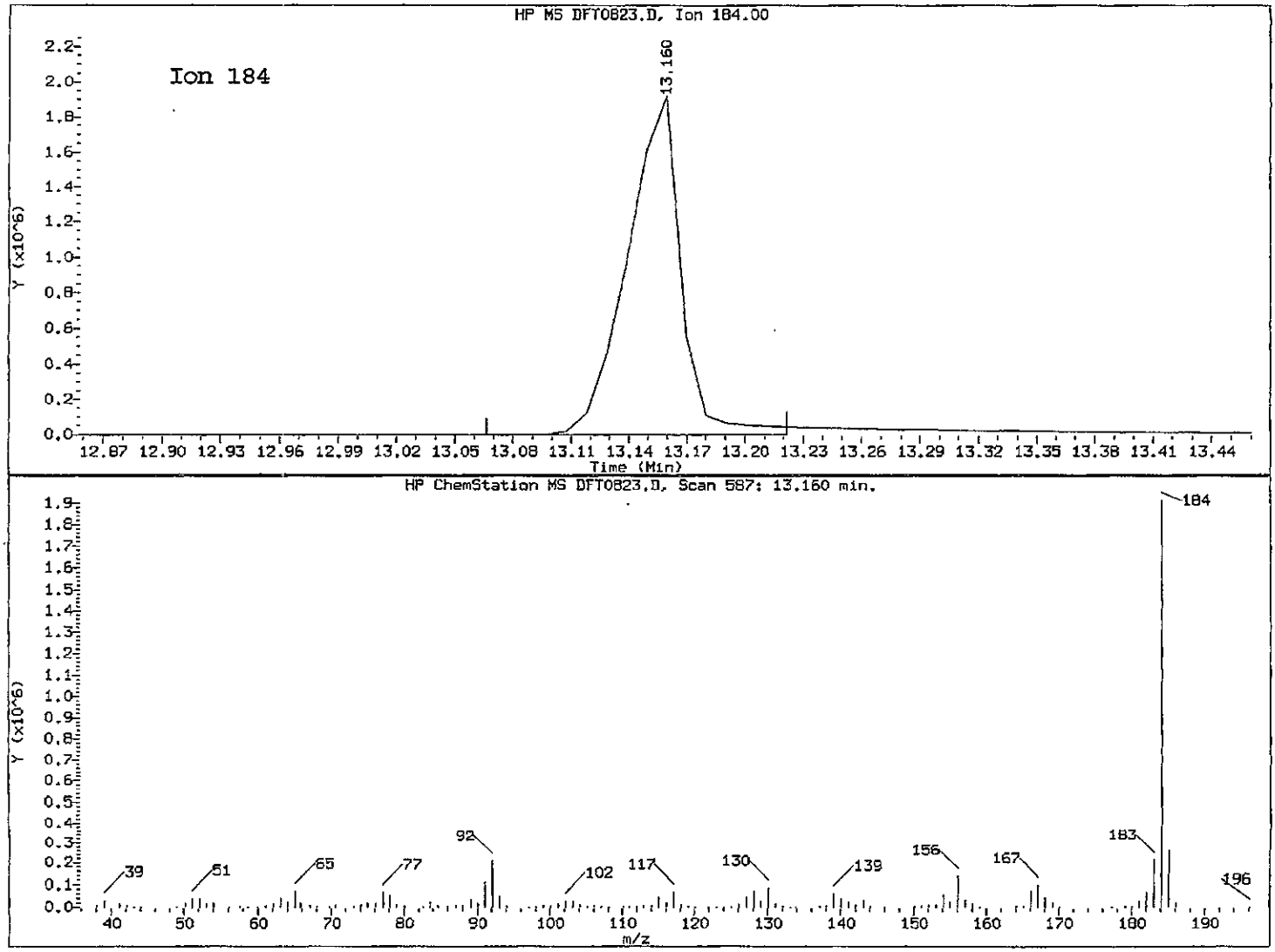
Time1 = 9.598356 Time2 = 9.625783 Time3 = 9.653574
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

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

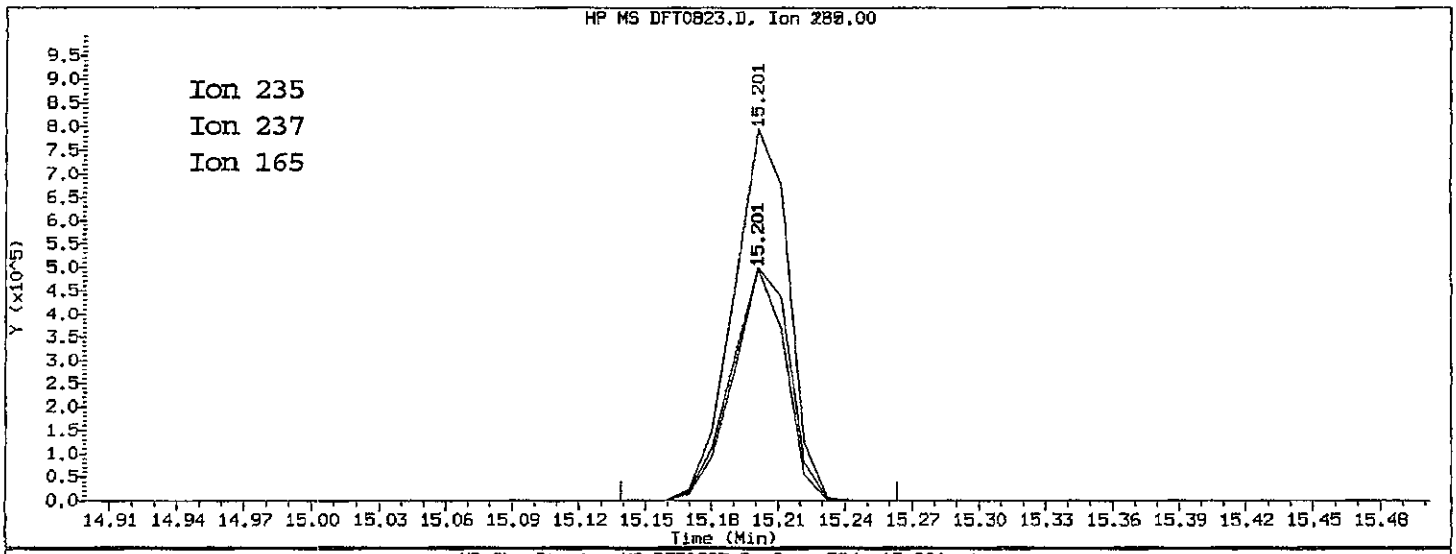
Time1 = 13.12013 Time2 = 13.15958 Time3 = 13.1783
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

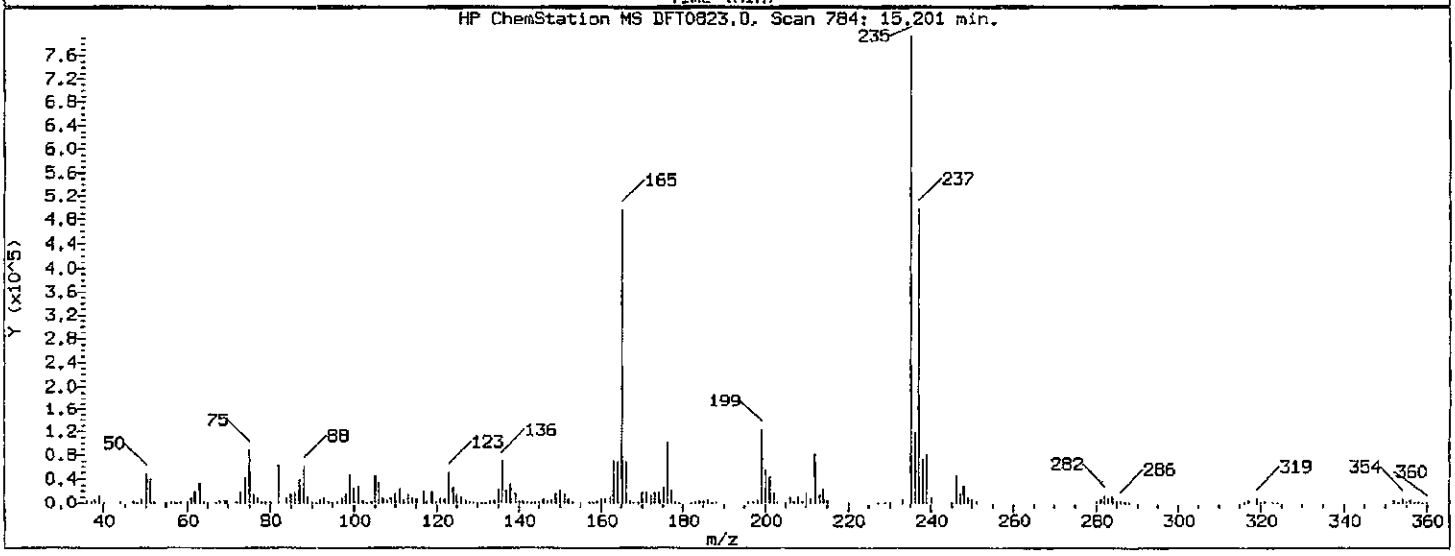
Tailing factor for Benzidine OK

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



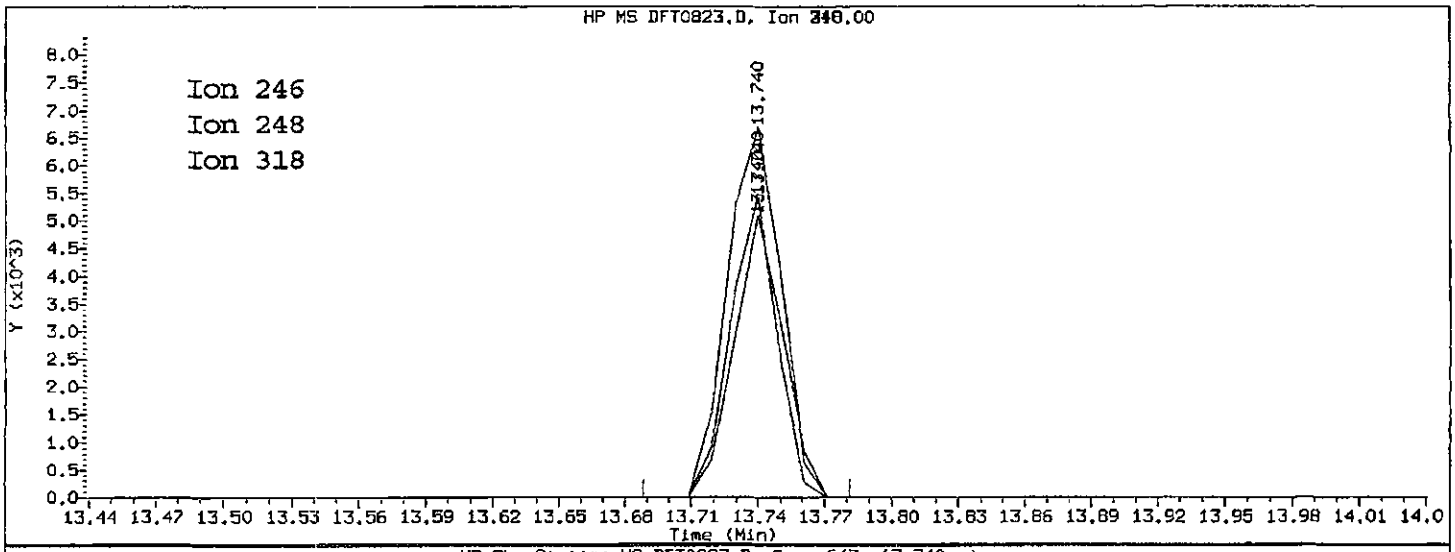


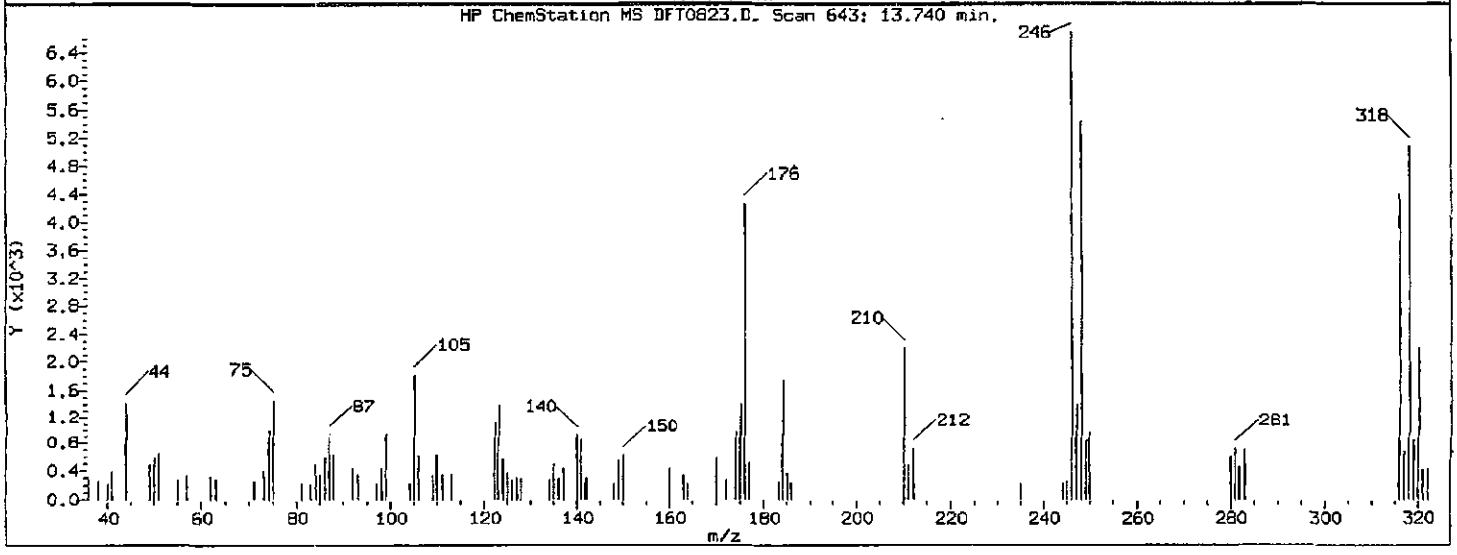
4,4'-DDT
========
Exp. RT = 15.357
Found RT = 15.201

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



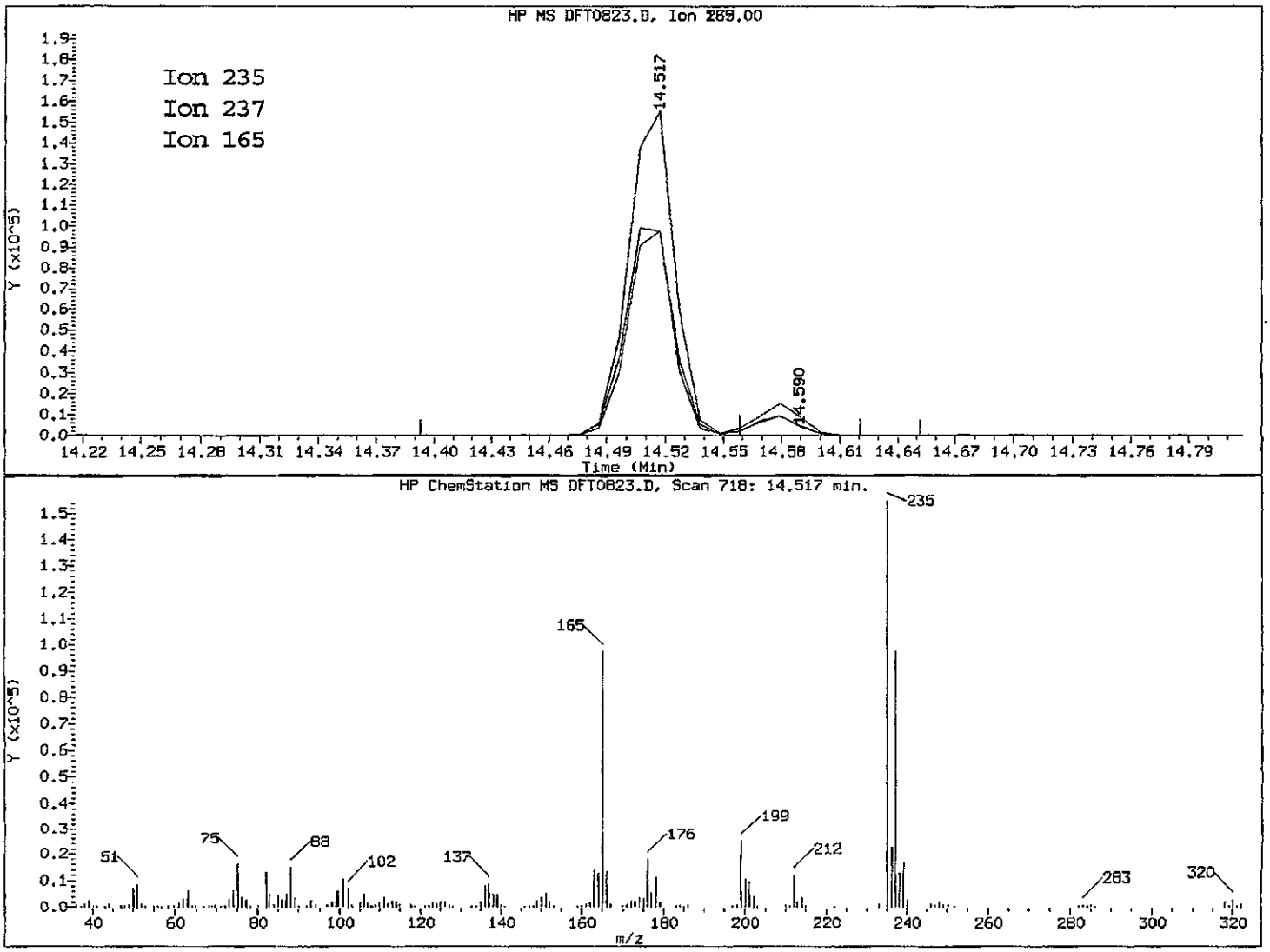


4,4'-DDE
========
Exp. RT = 13.875
Found RT = 13.740

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

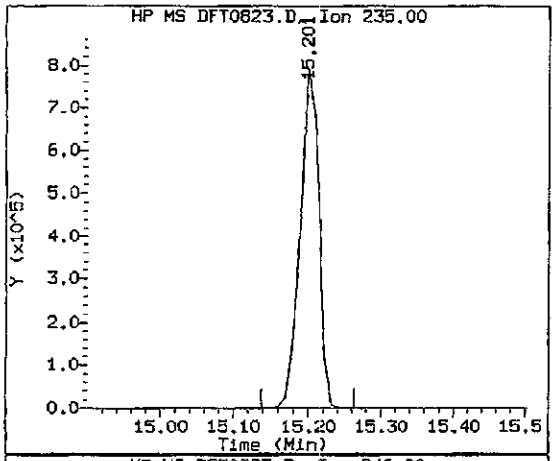
Report Date: 08/23/2010 16:11

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

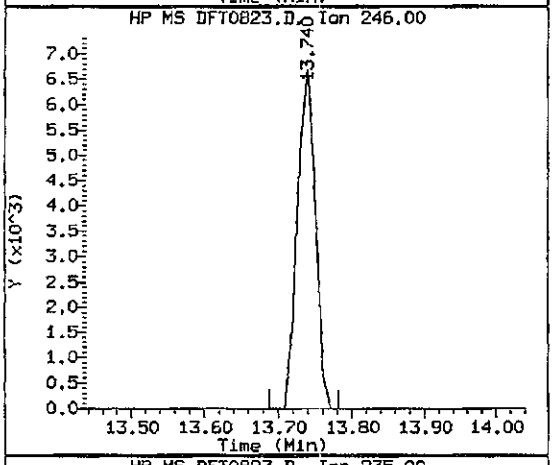


4,4'-DDD
========
Exp. RT = 14.652
Found RT = 14.517

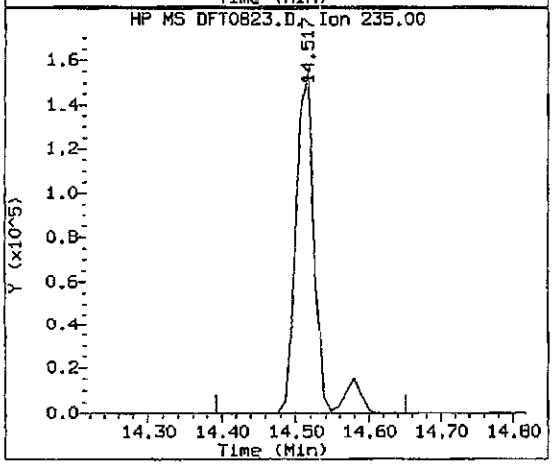
Mass	Area	Ratio
235	279863	100.00
237	14389	5.14
165	14503	5.18



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

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		
11.076	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:

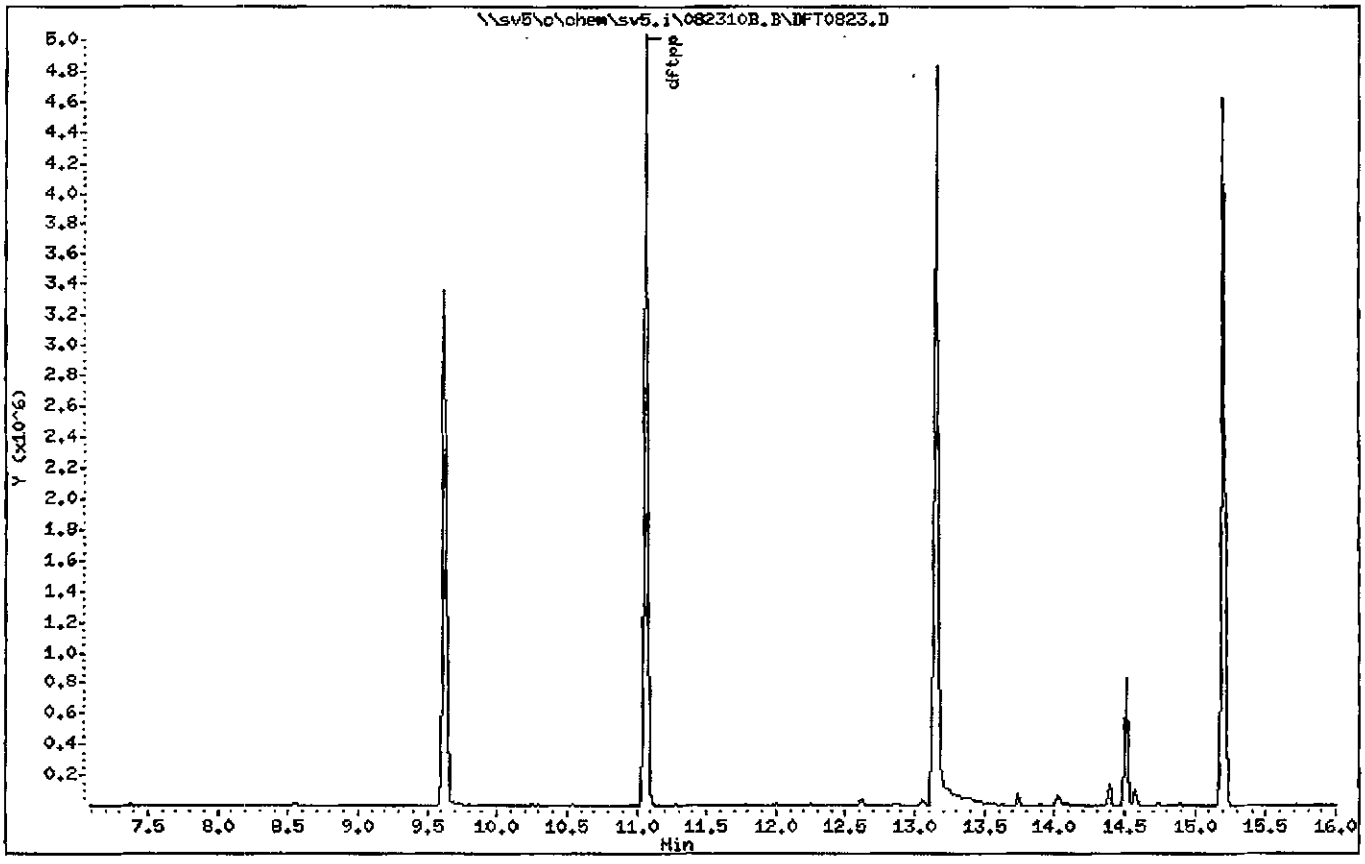
Instrument: sv5.i

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

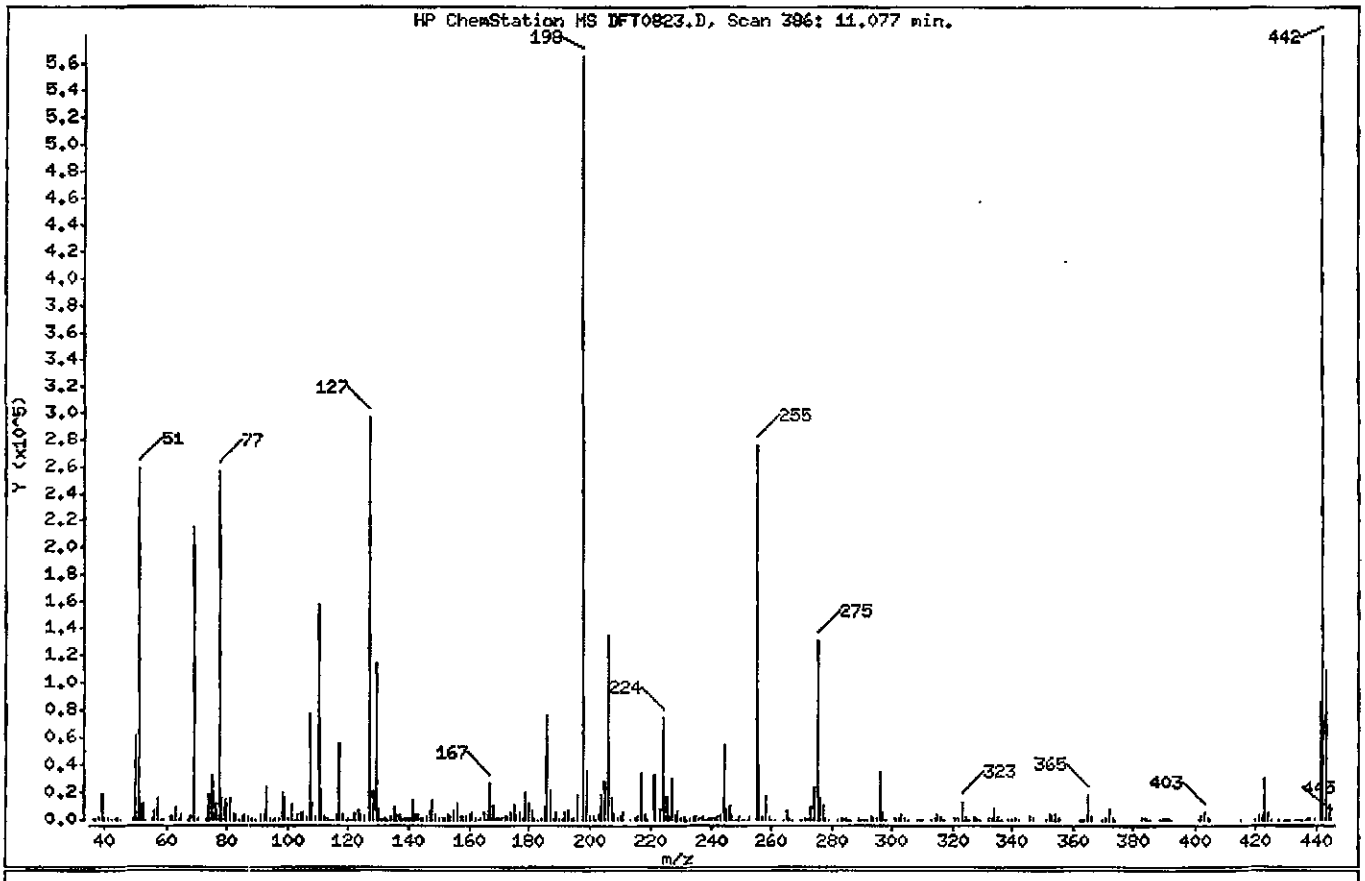
Sample Info: DFTPP 50ug/ml;

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	0.59 (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	512
37.00	698	129.00	114328	213.10	446	313.10	400
38.00	2559	130.00	9455	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	3869	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	325.80	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	5785	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	654	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	2688	169.00	1815	257.00	3306	383.00	1607
86.00	4371	170.10	868	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	4351
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	5946	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	430.50	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	868	435.10	453
114.10	251	198.00	565824	293.10	2231	435.50	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 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
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	4553	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

jmc 8/24/10

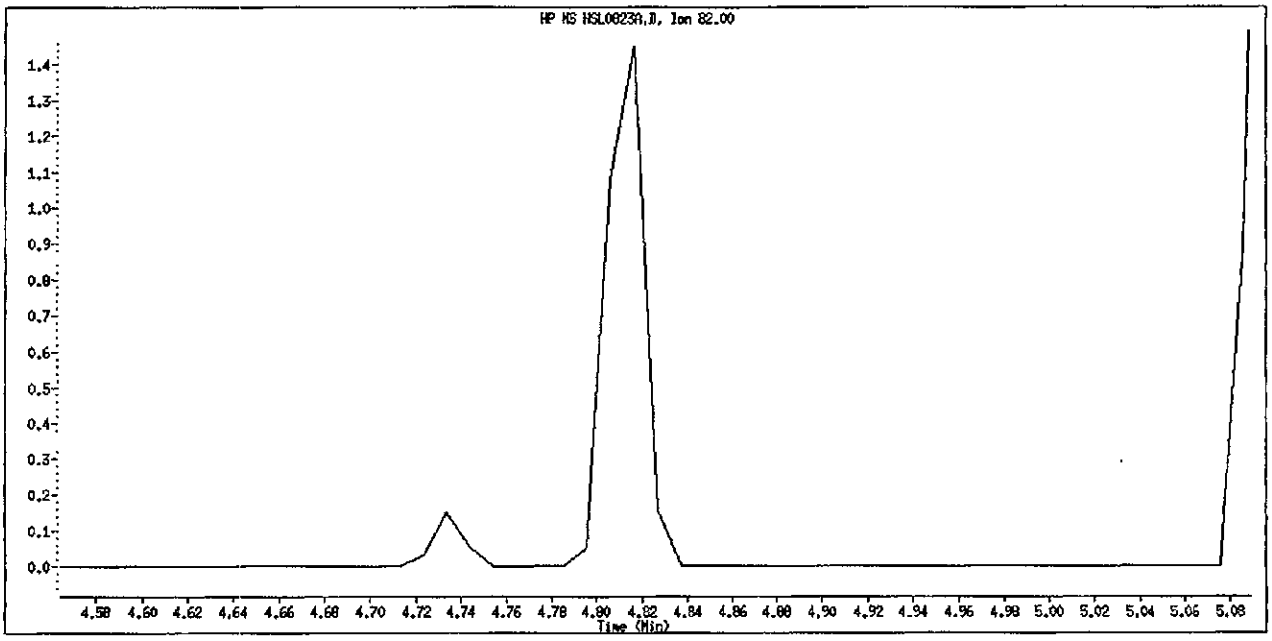
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	18999	5.00000	4.768
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	12803	5.00000	4.932
50	Benzoic Acid	122	5.282	5.282	(0.943)	8004	5.00000	6.346
51	1,2,4-Trichlorobenzene	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	

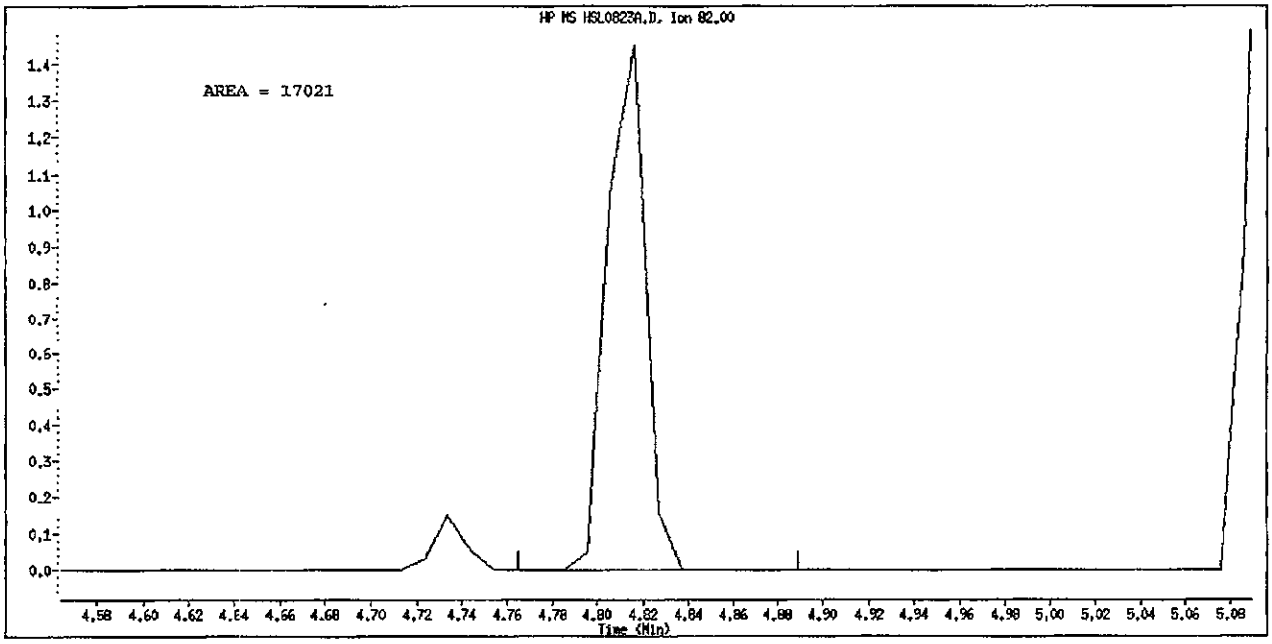
QC Flag Legend

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
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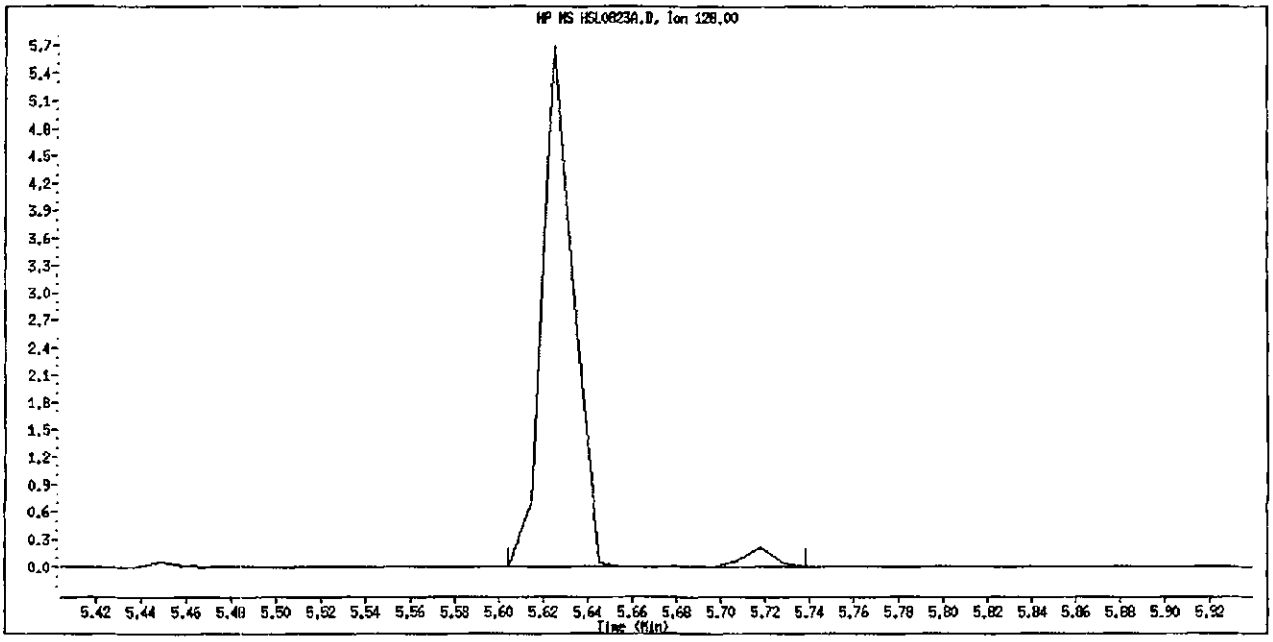
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Naphthalene
CAS #: 91-20-3
Report Date: 08/24/2010



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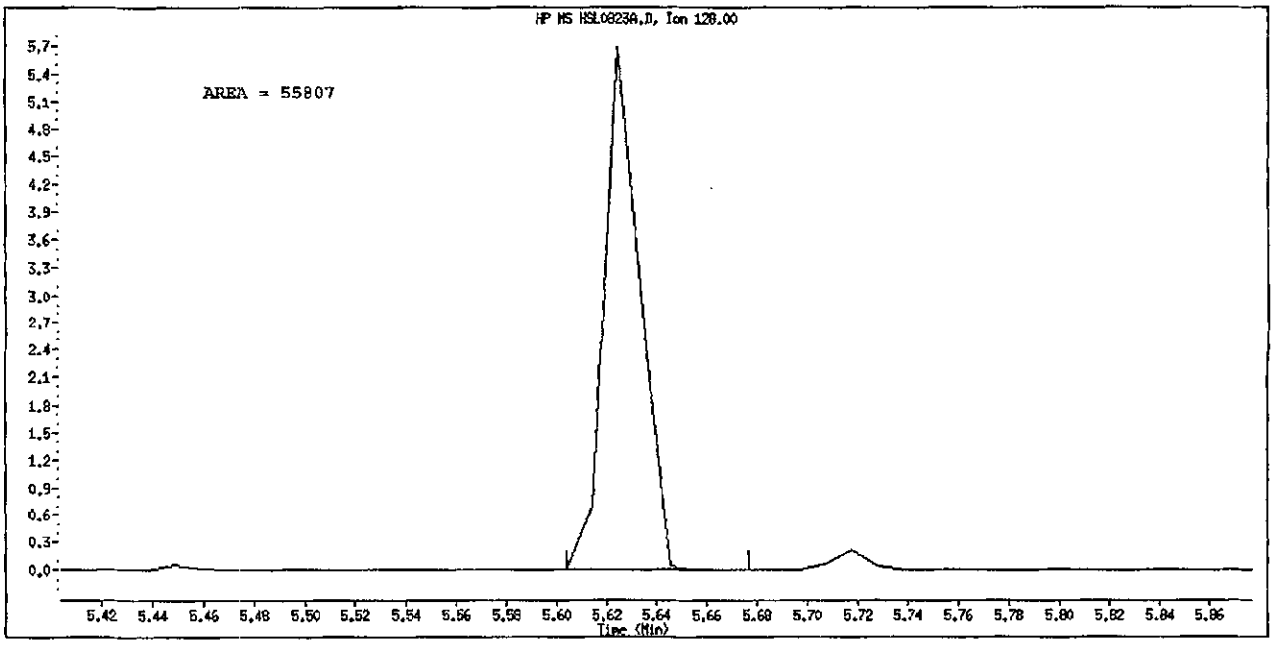
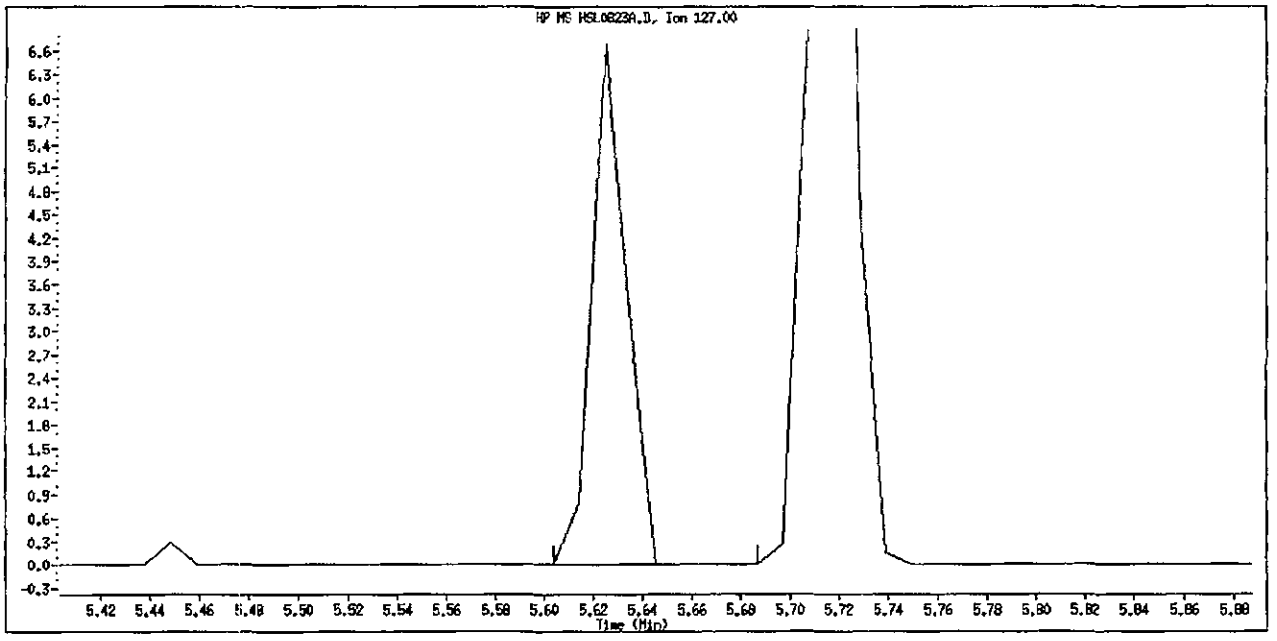


Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
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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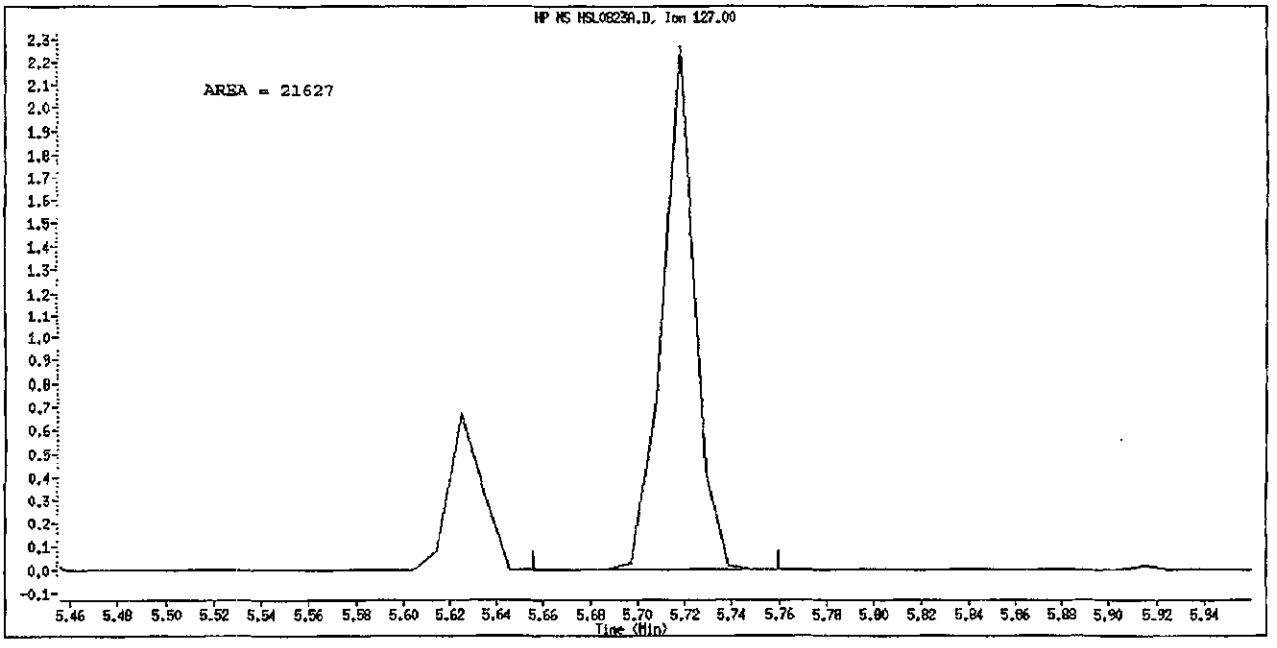
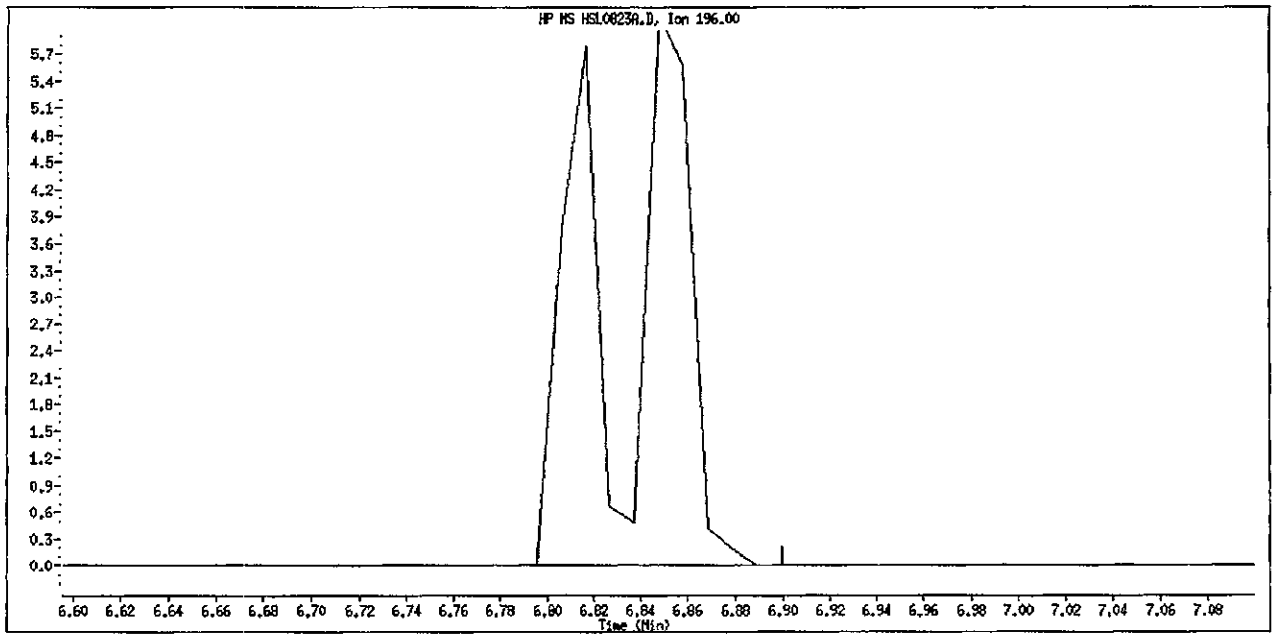


Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Wrong Peak

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
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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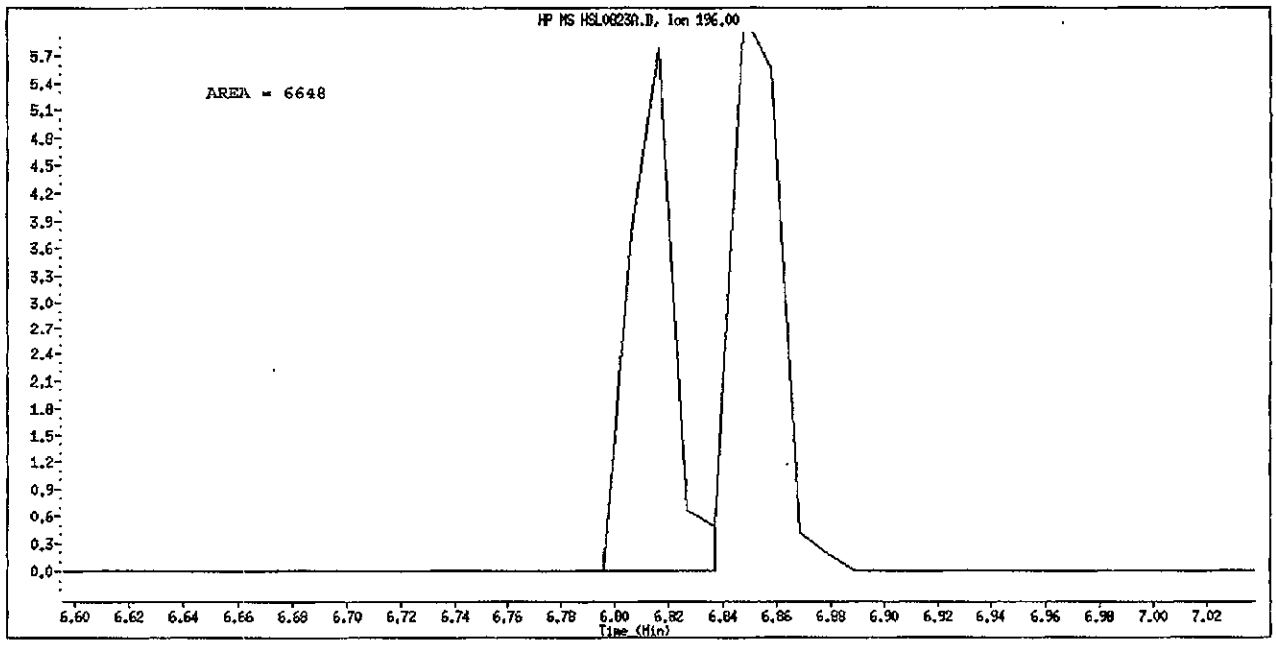

Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823A.D
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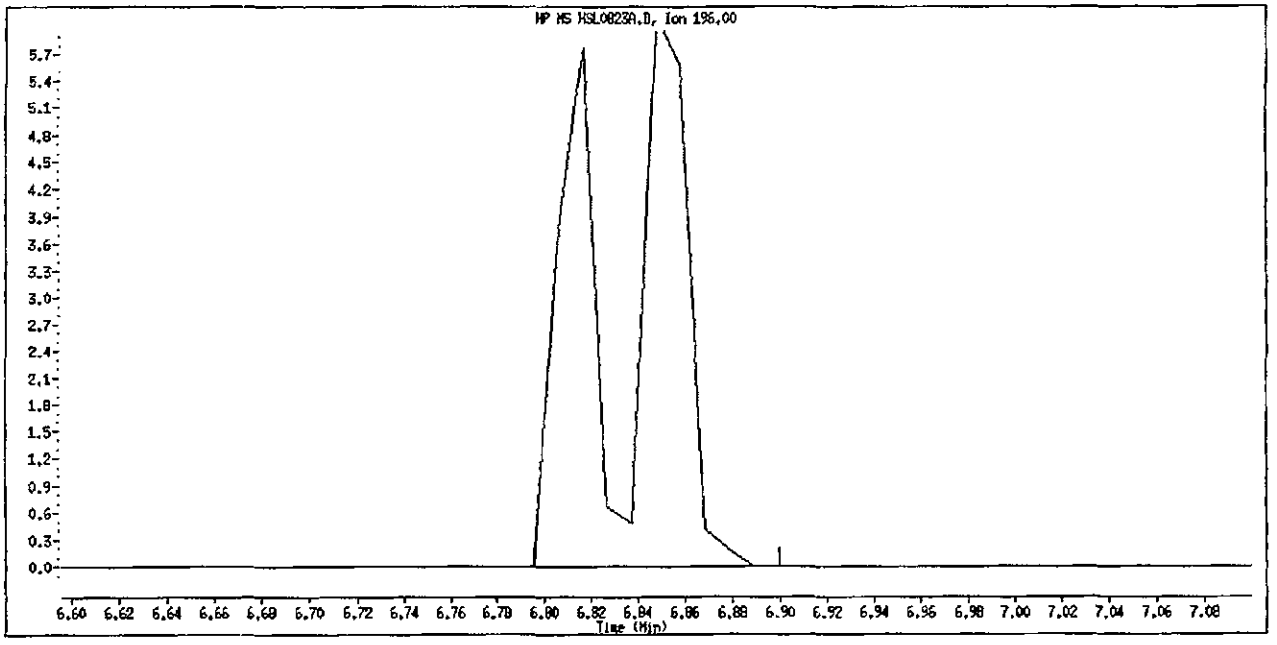
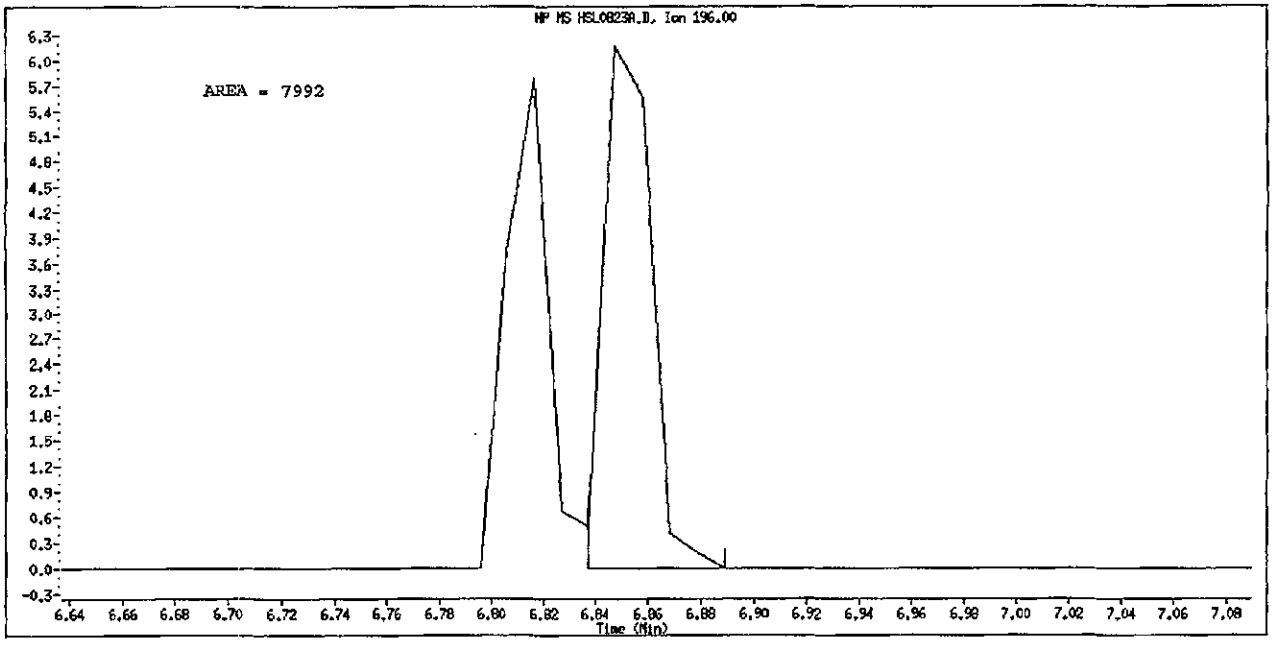
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorphenol
CAS #: 95-95-4
Report Date: 08/24/2010



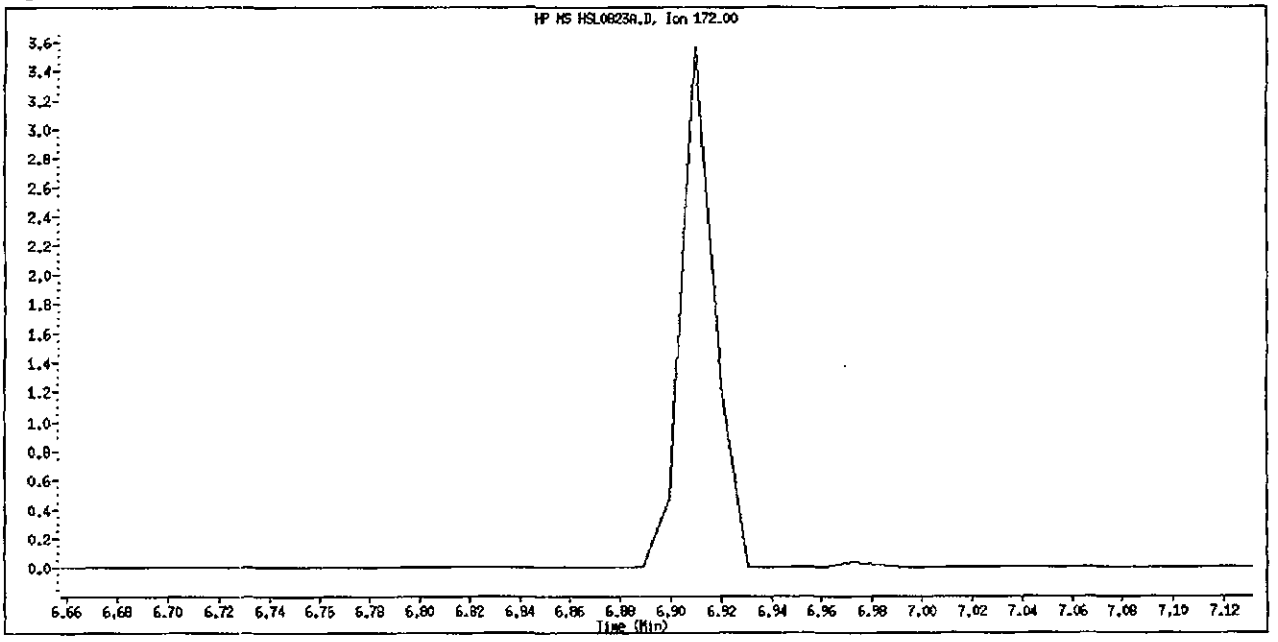
Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2-Fluorobiphenyl
CAS #: 321-60-8
Report Date: 08/24/2010



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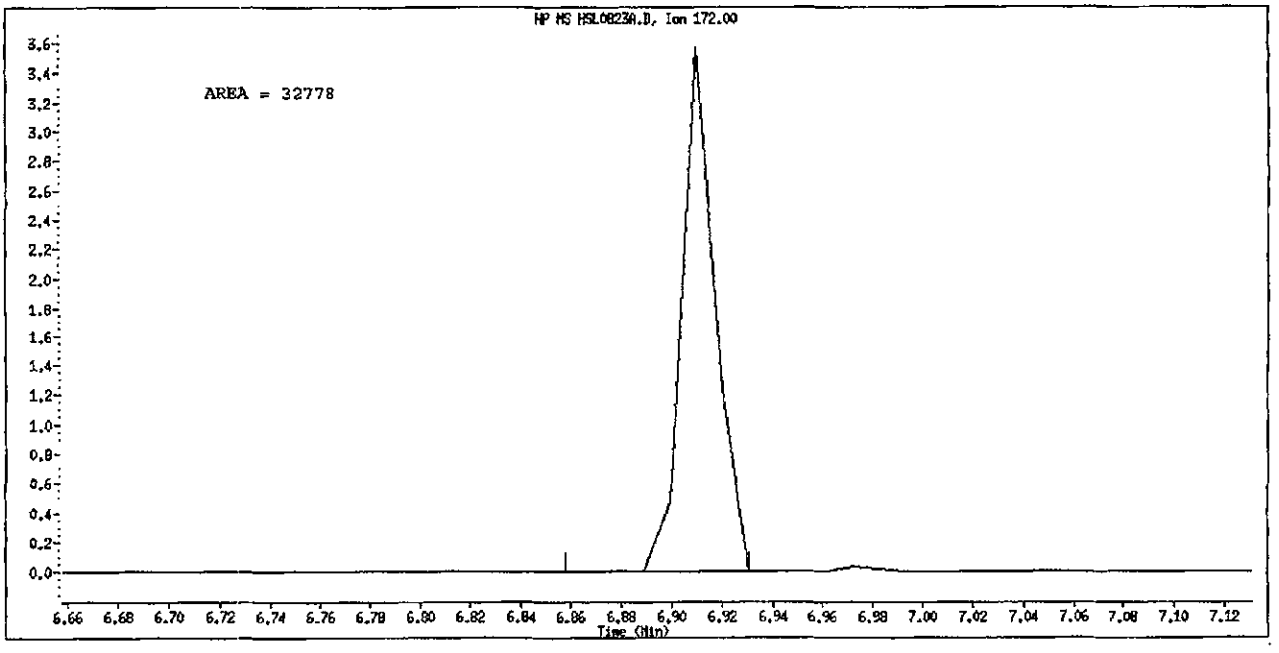
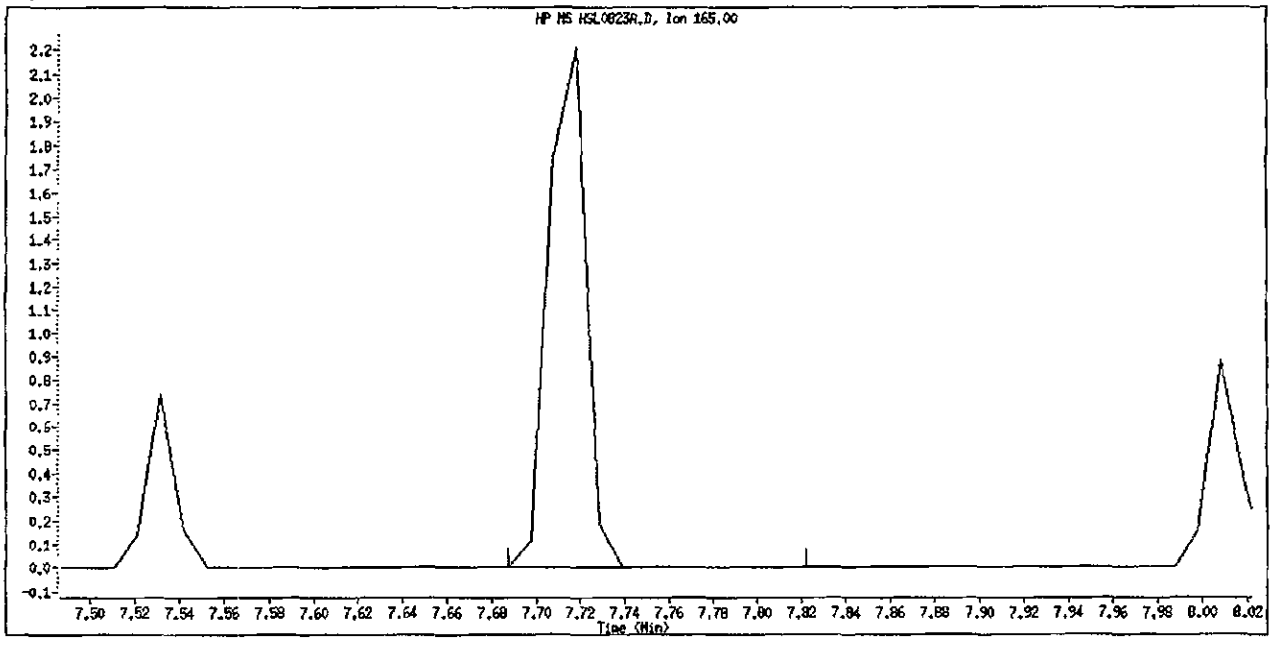


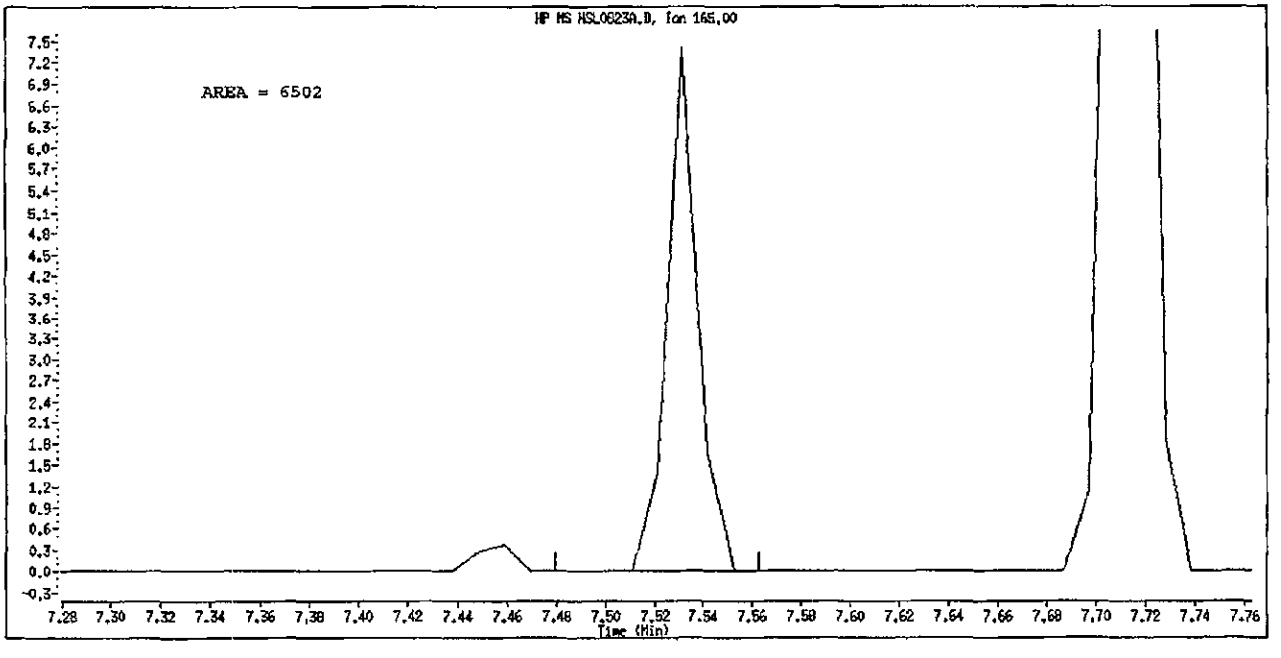
Manual Integration

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

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 08/24/2010



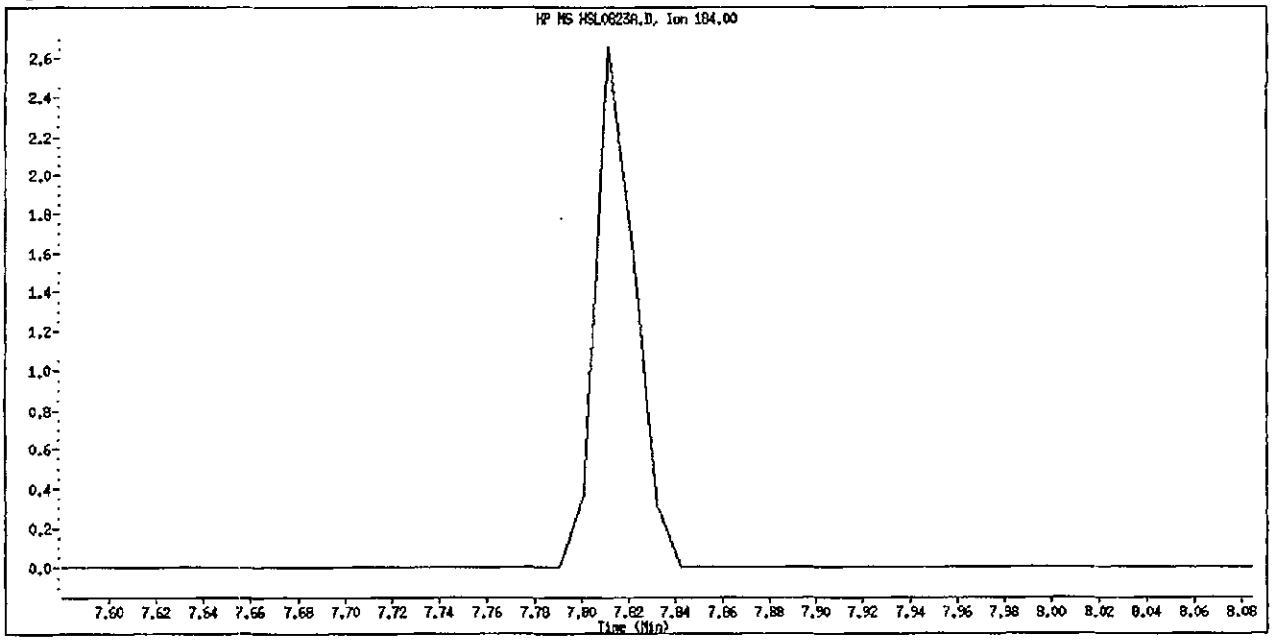
Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Wrong Peak

Data File Name: 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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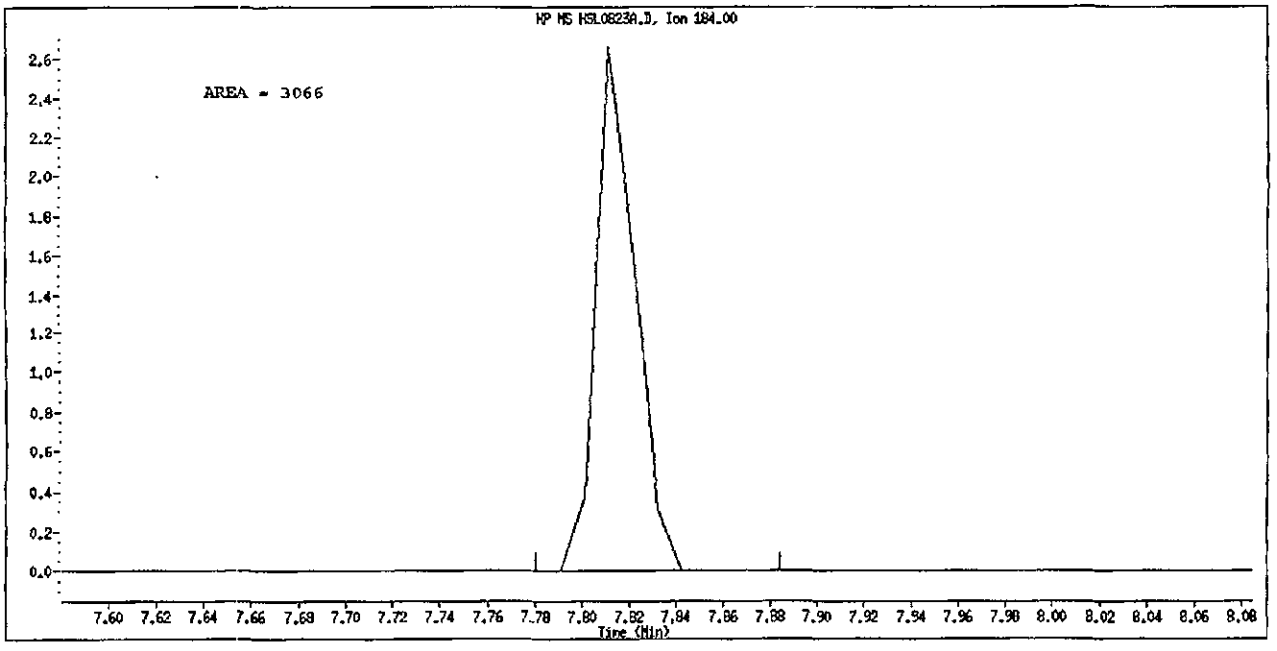
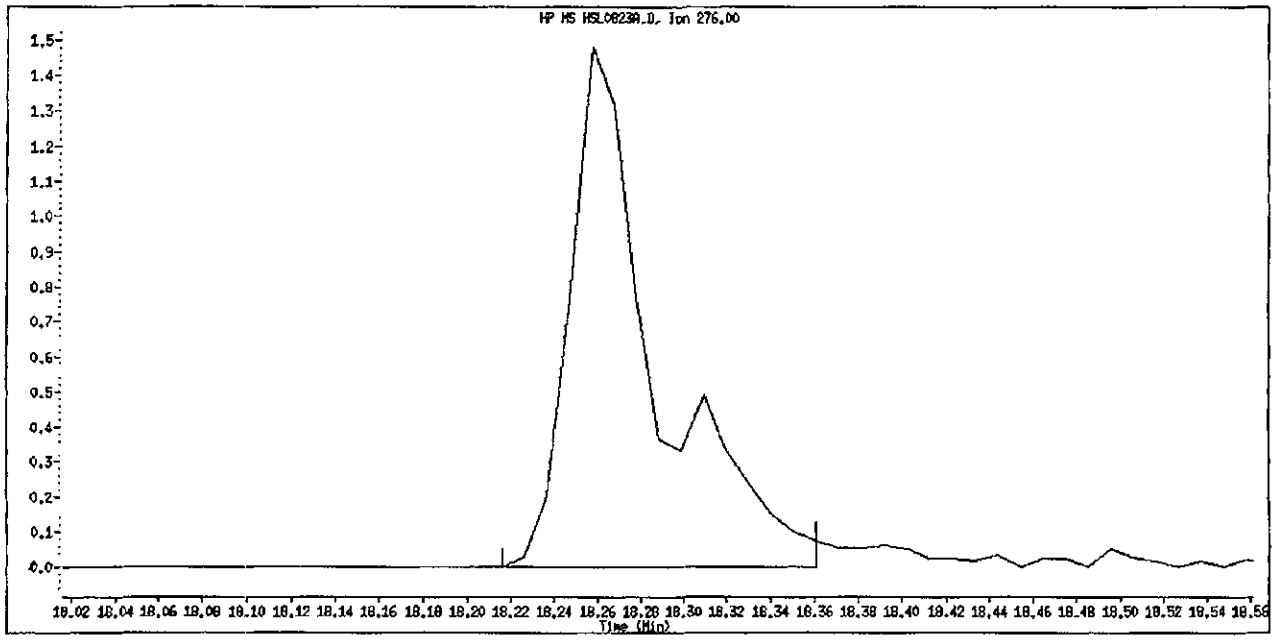


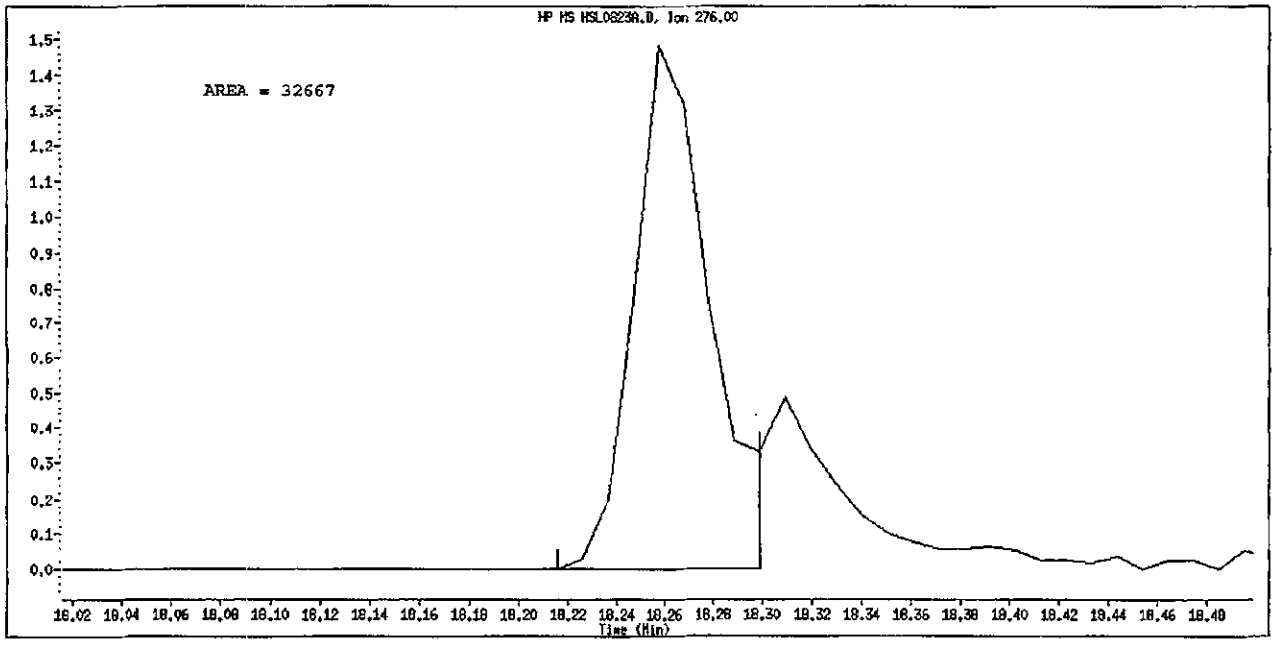
Manual Integration

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)	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	
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* 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
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

	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)	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)	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)	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

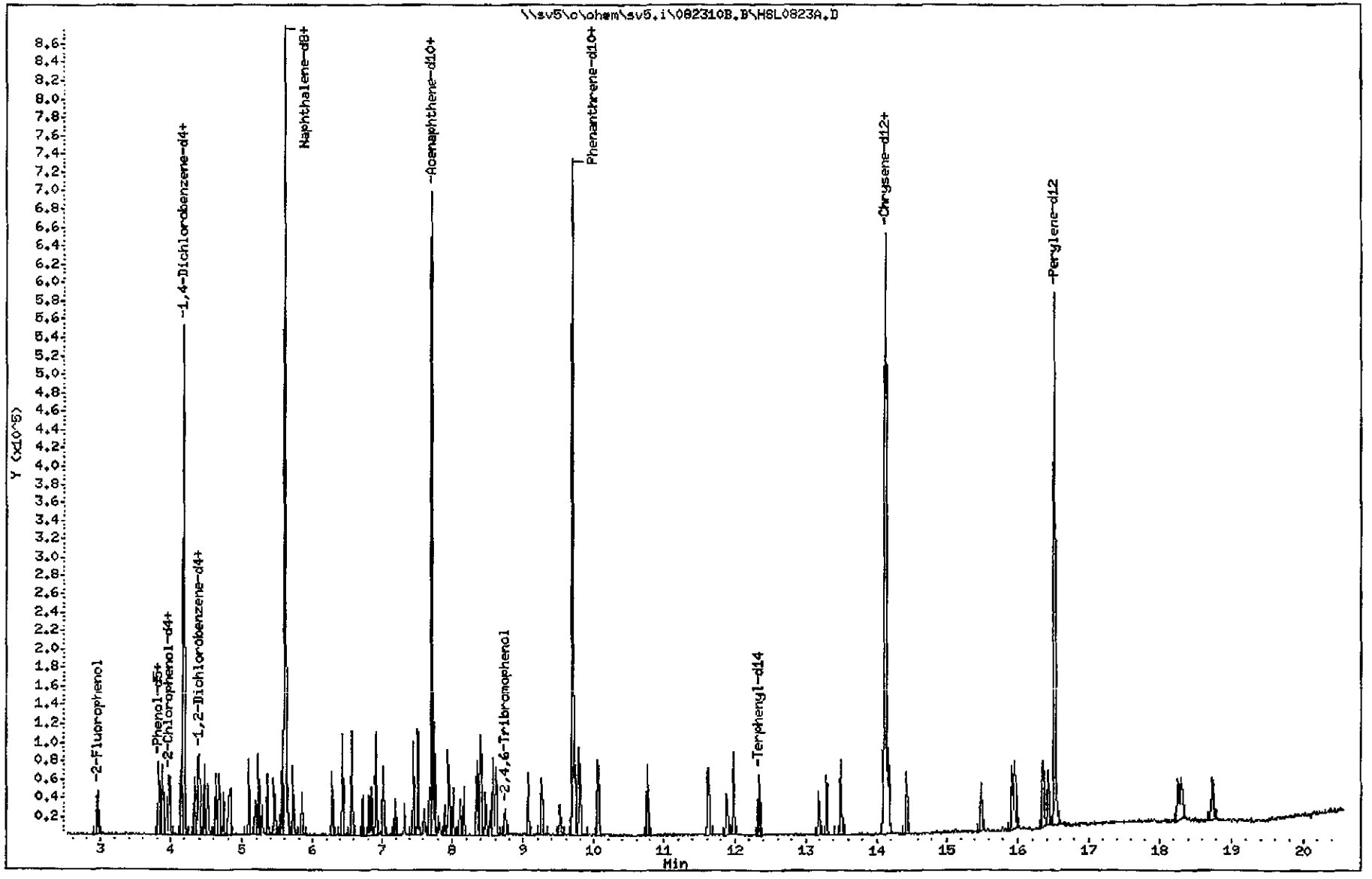
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.12	-0.07
6 Perylene-d12	16.53	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\c\chem\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)	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	9.934
$	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

SMS 8/24/10

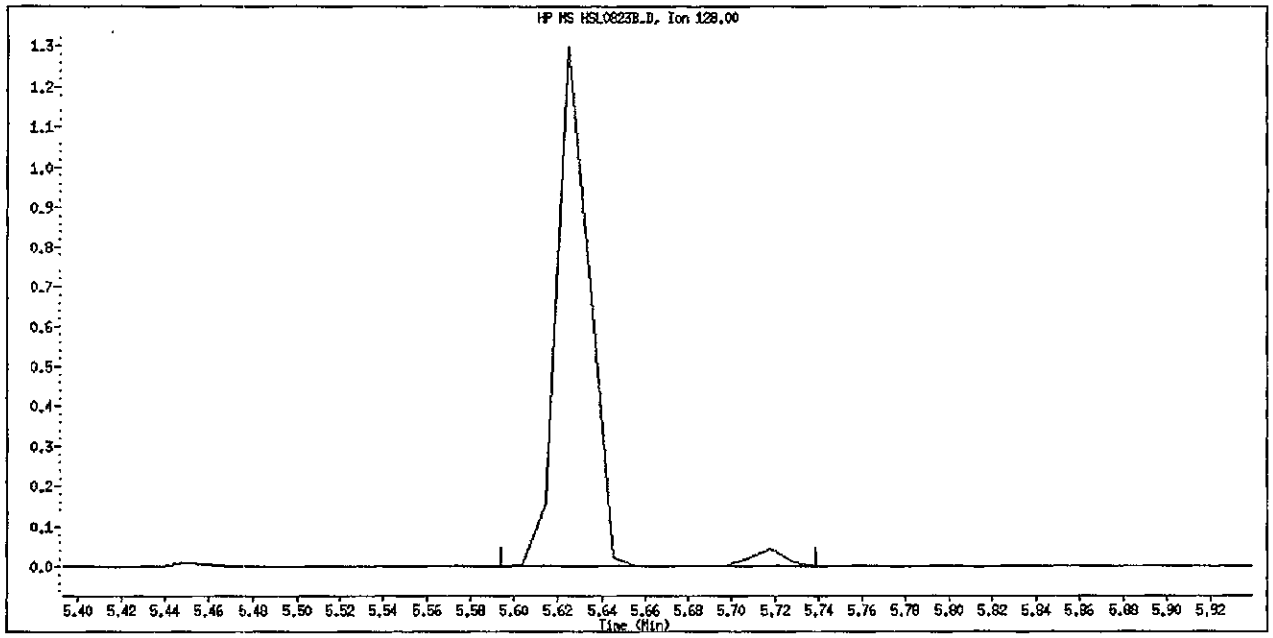
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	49723	10.0000	10.31
49 2,4-Dichlorophenol	162	5.448	5.448	(0.972)	30918	10.0000	9.987
50 Benzoic Acid	122	5.293	5.293	(0.945)	21115	10.0000	12.61
51 1,2,4-Trichlorobenzene	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)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				175958	10.0000	

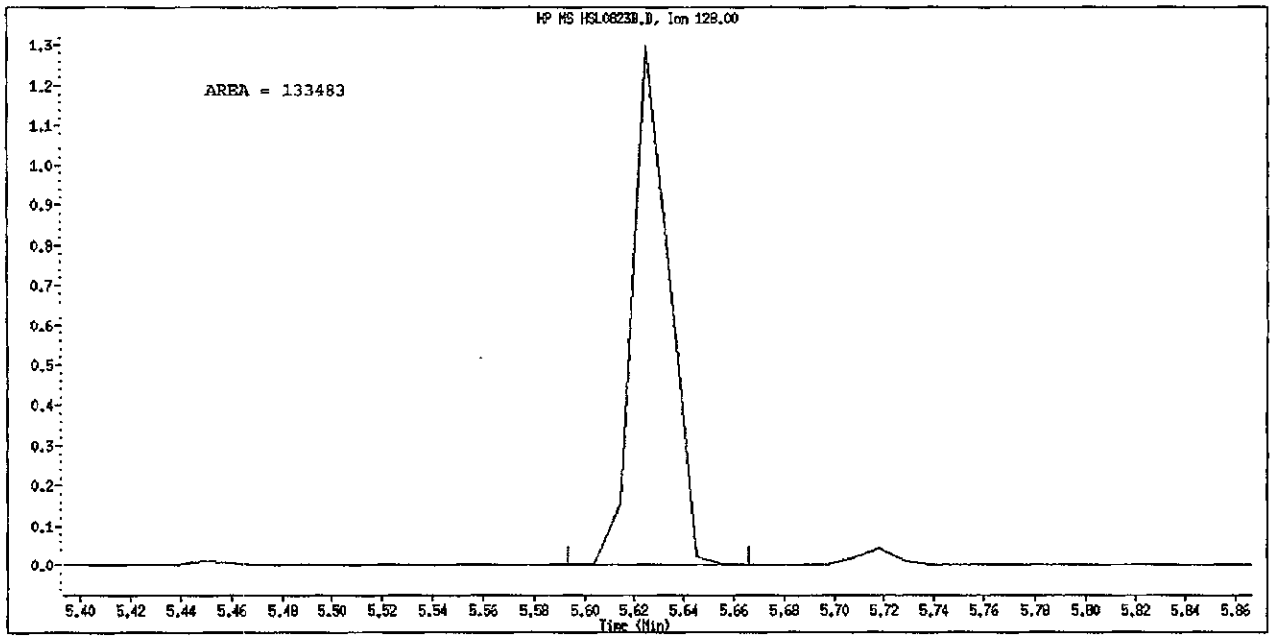
QC Flag Legend

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



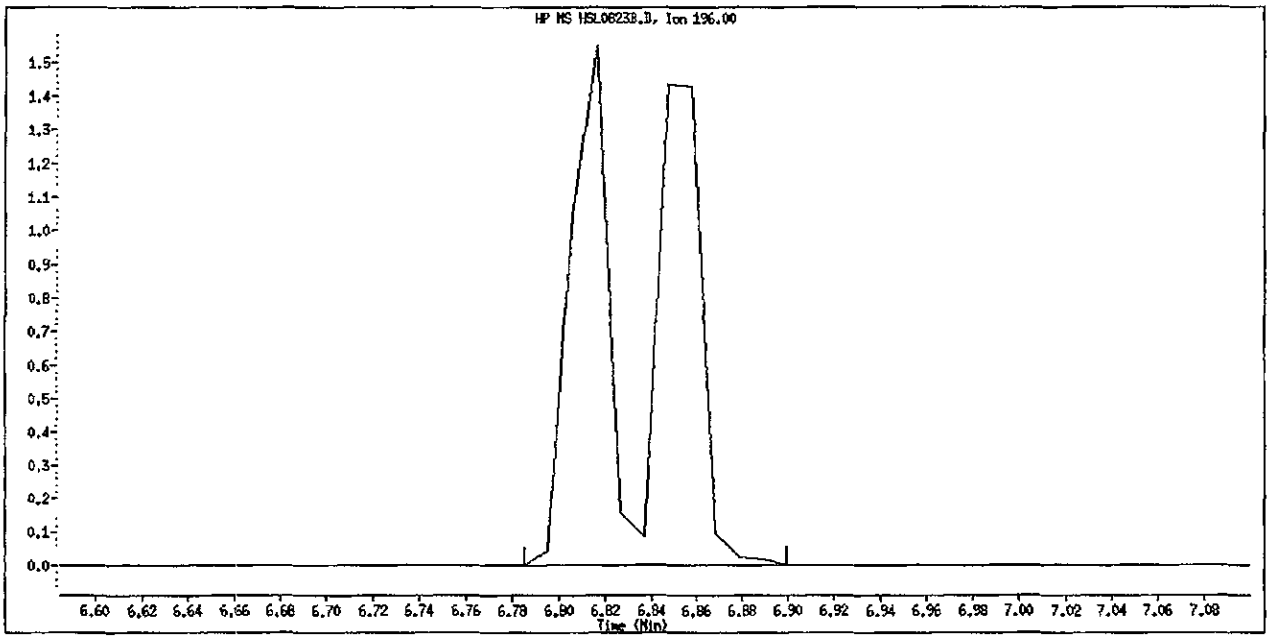
Original Integration



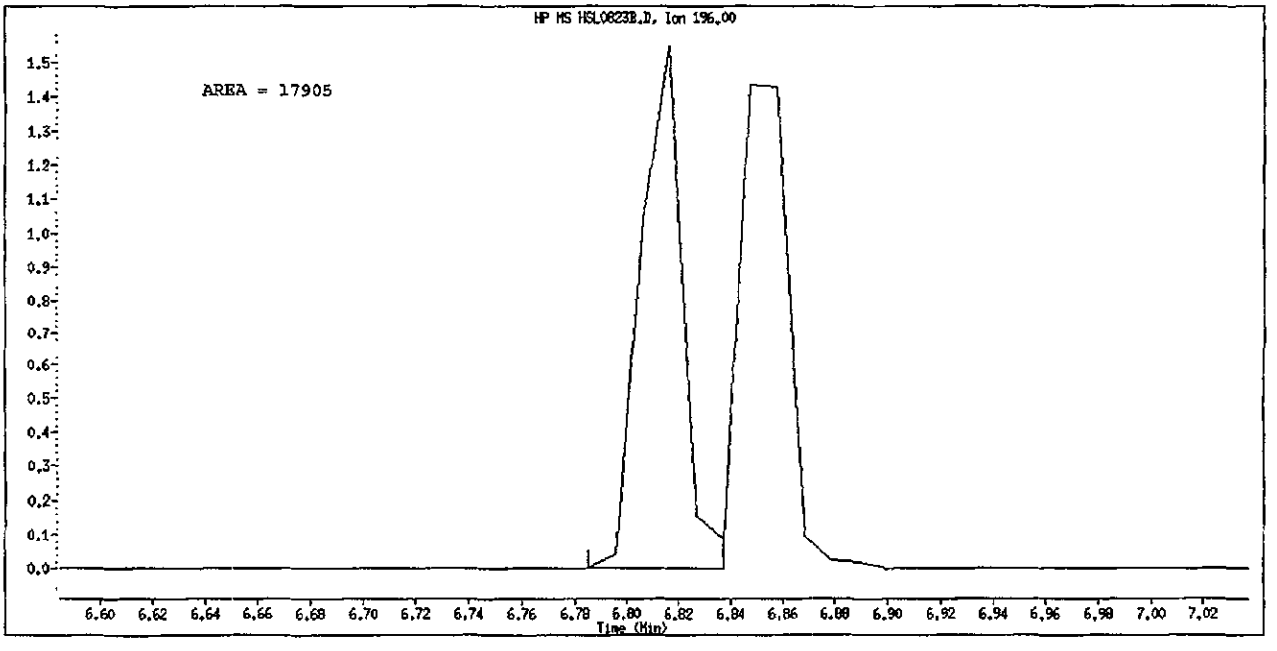
Manual Integration

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



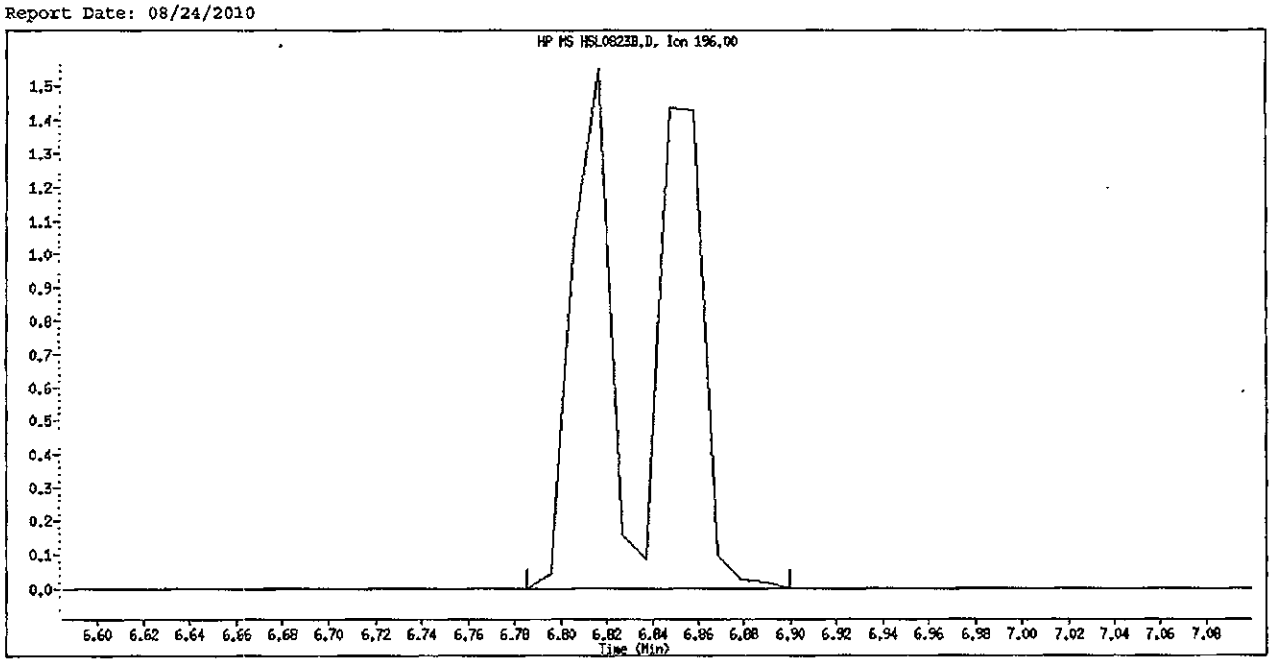
Original Integration



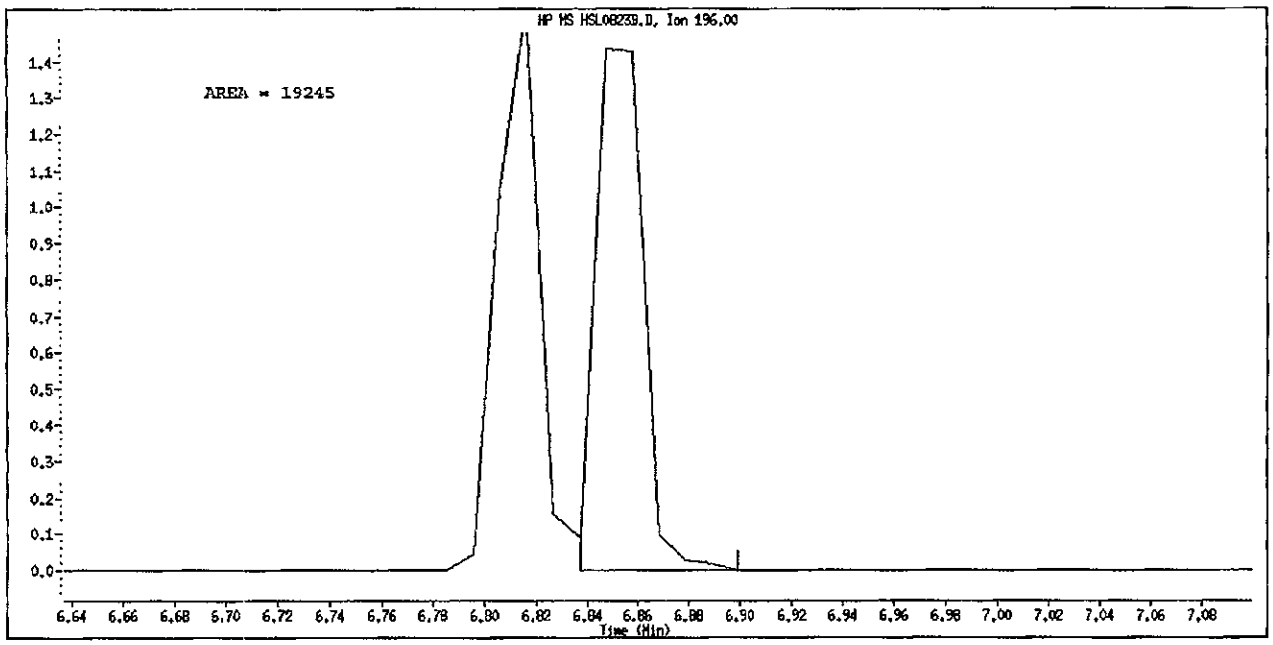
Manual Integration

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



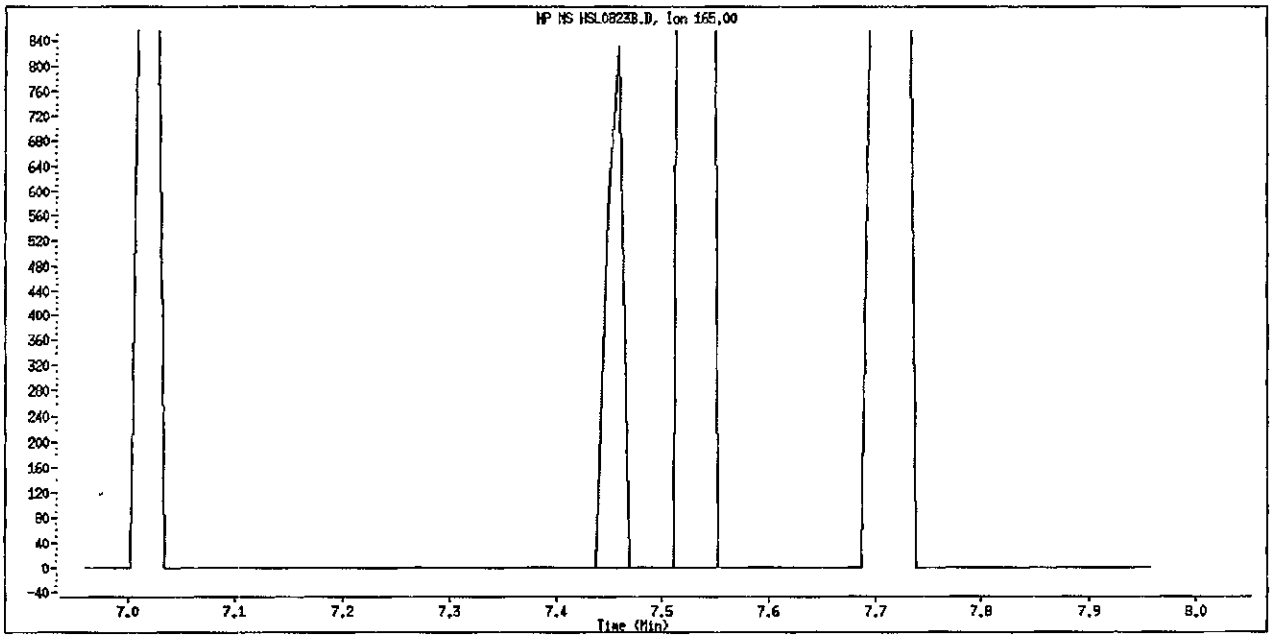
Original Integration



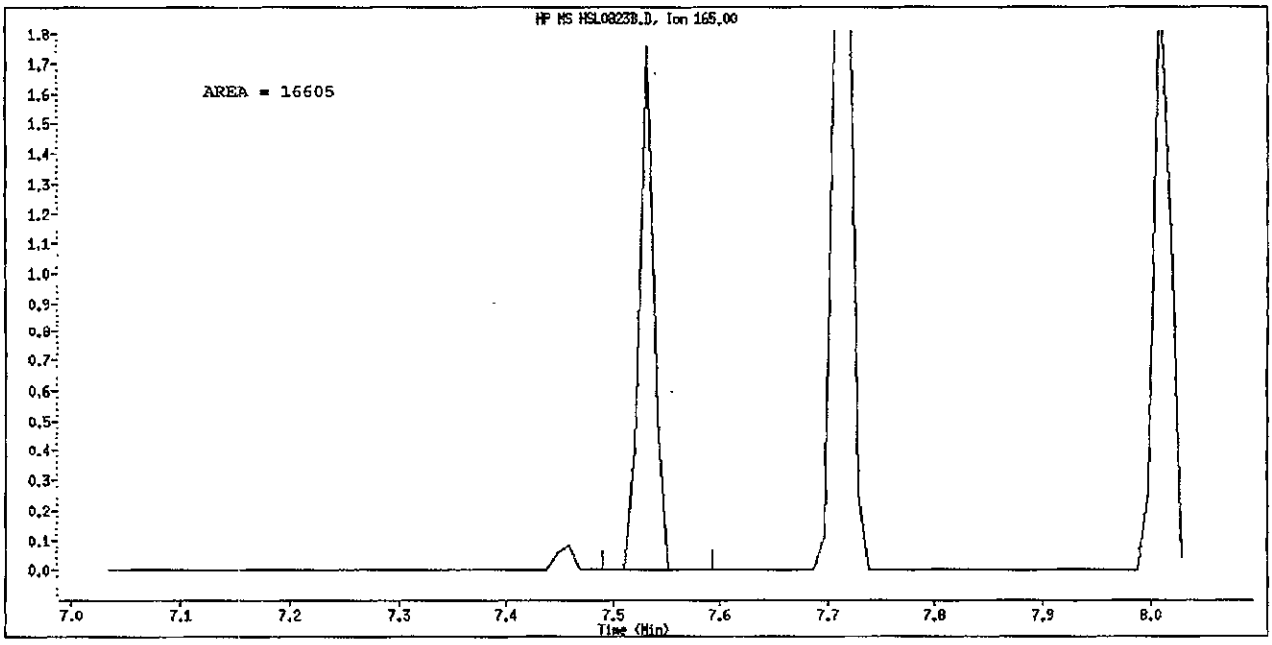
Manual Integration

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



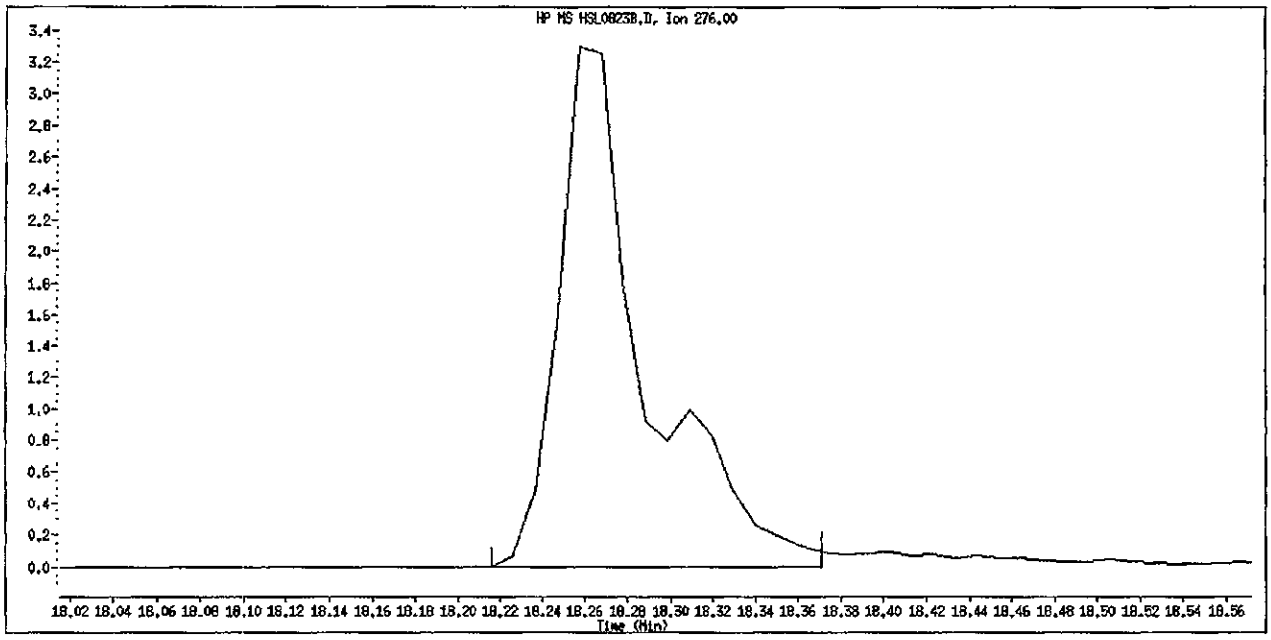
Original Integration



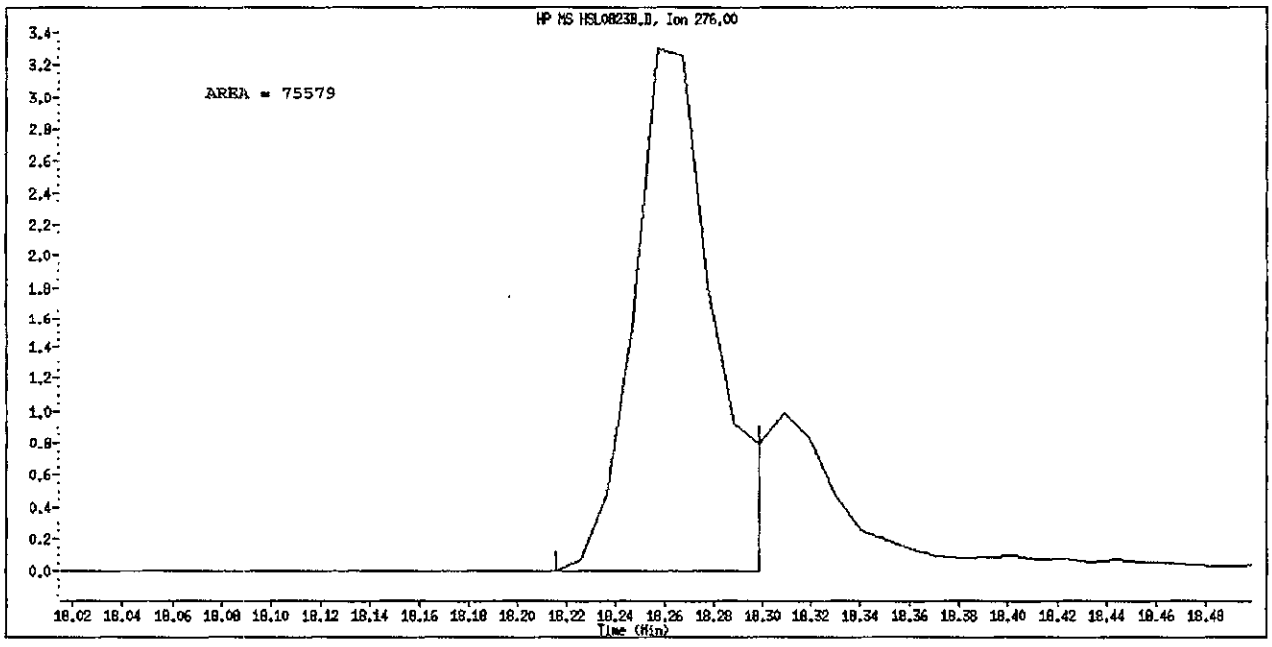
Manual Integration

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: \\sv6\o\chem\sv5.i\082310B.B\HSL0823B.D

Date : 23-AUG-2010 17:06

Client ID: 8270F.M

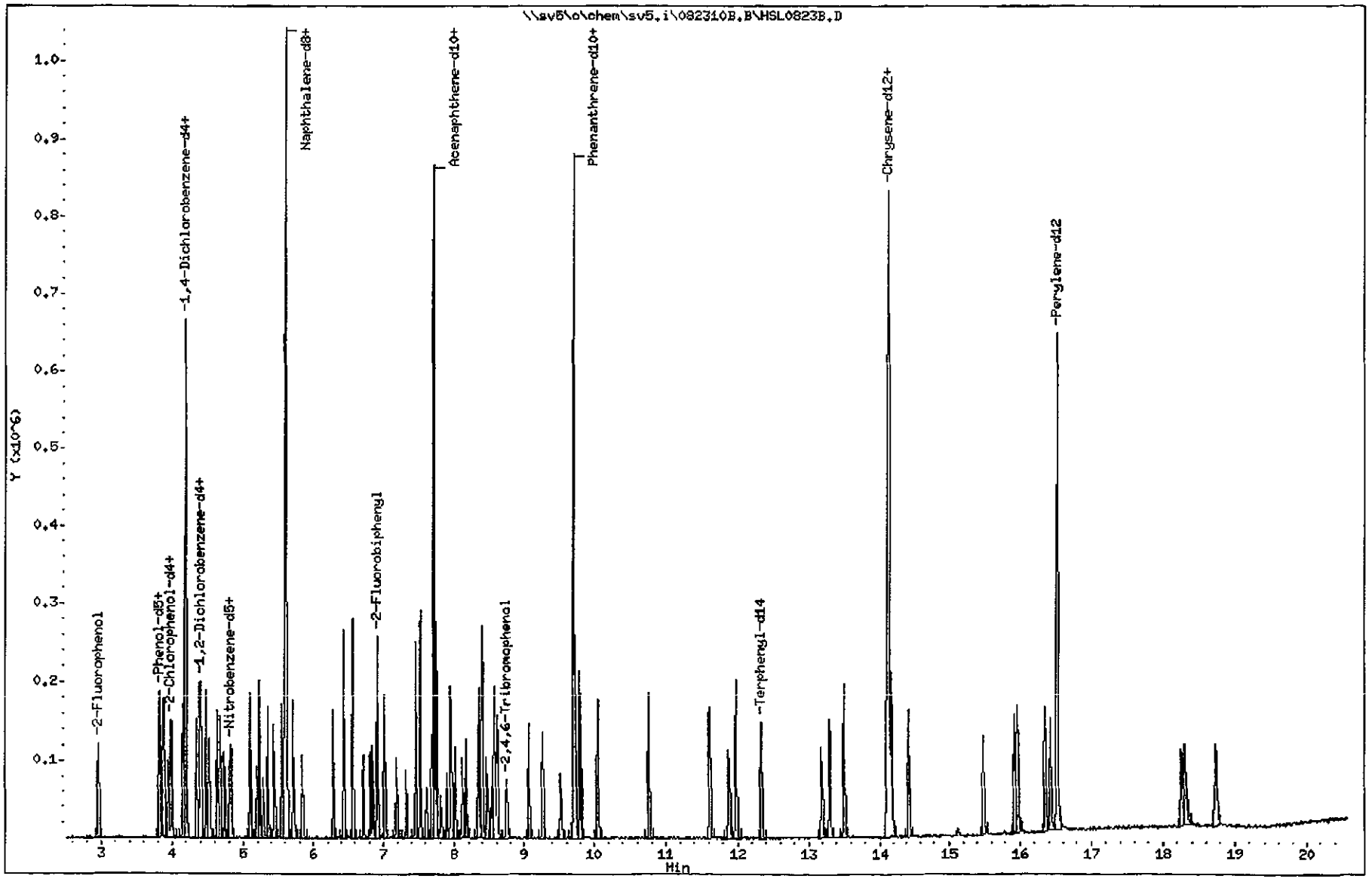
Sample Info: HSL_010 ug/ml CS-2;1;;2;;;;;4

Column phase:

Instrument: sv6.i

Operator: KT

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	

SVG 8/24/10

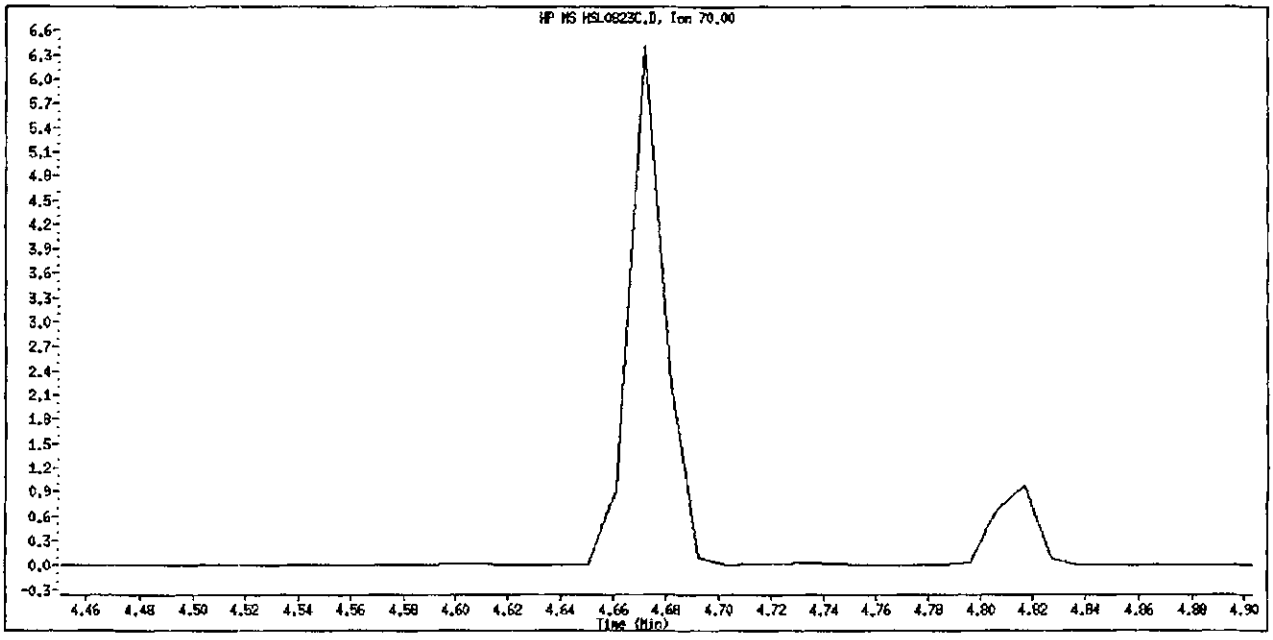
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	101820	20.0000	19.97
49 2,4-Dichlorophenol	162	5.448	5.448	(0.972)	63764	20.0000	19.48
50 Benzoic Acid	122	5.303	5.303	(0.946)	46083	20.0000	22.03
51 1,2,4-Trichlorobenzene	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)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				386546	20.0000	

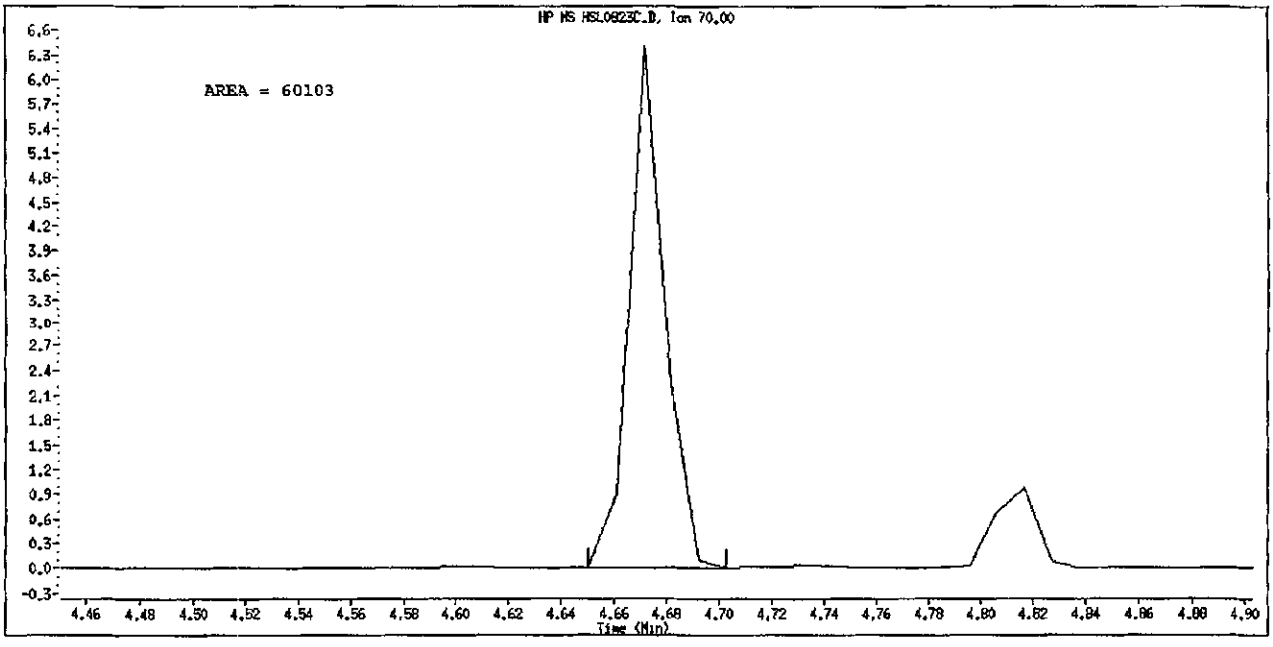
QC Flag Legend

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



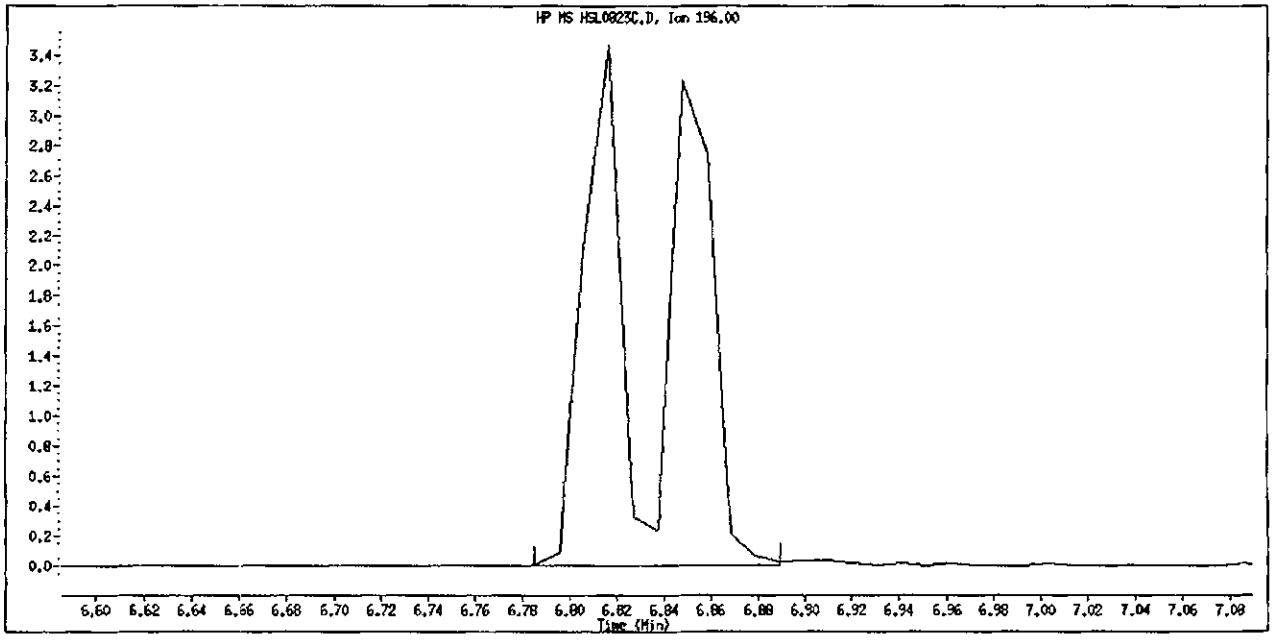
Original Integration



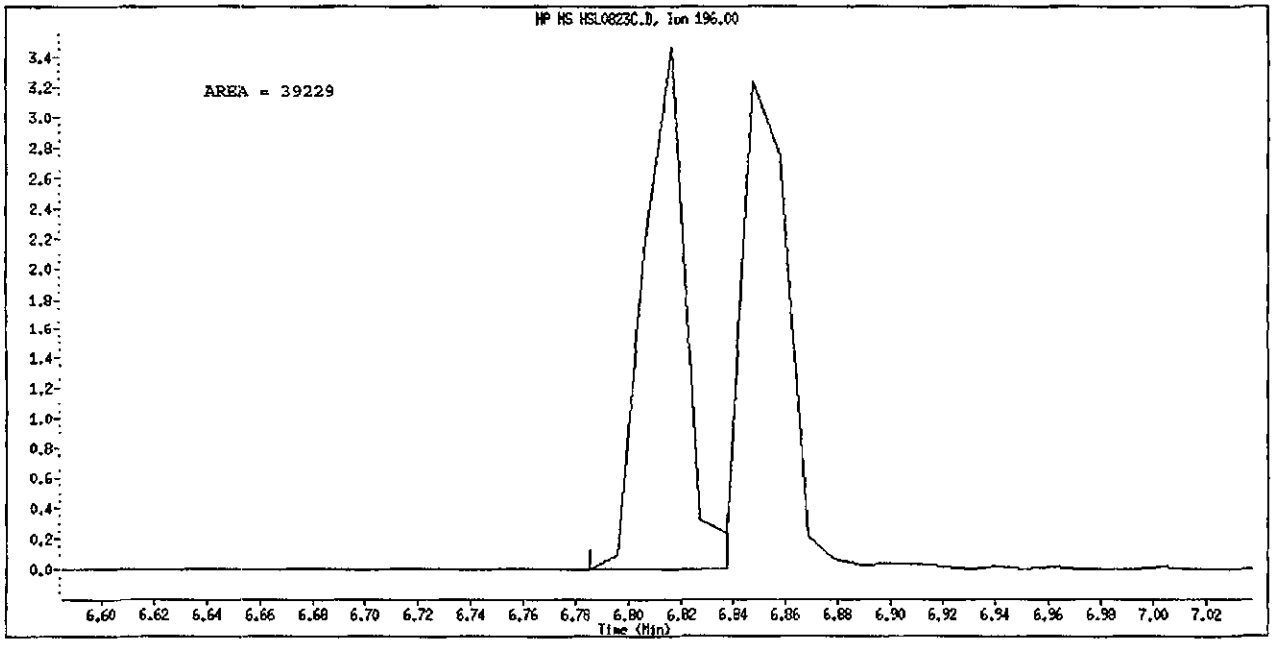
Manual Integration

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



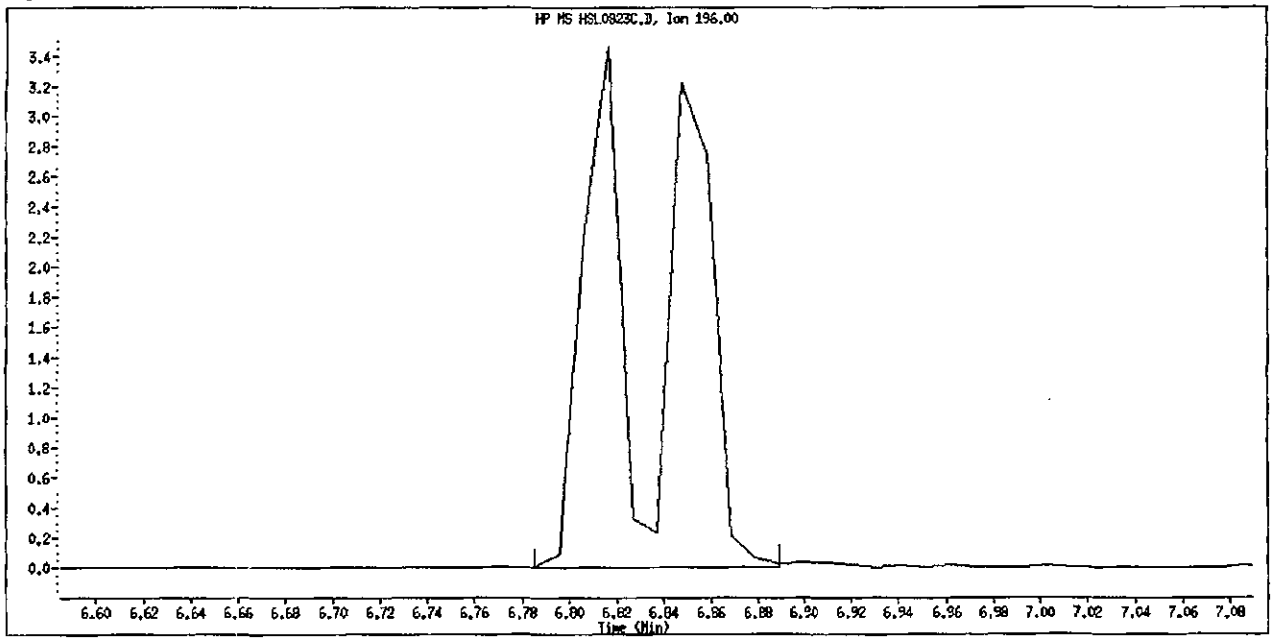
Original Integration



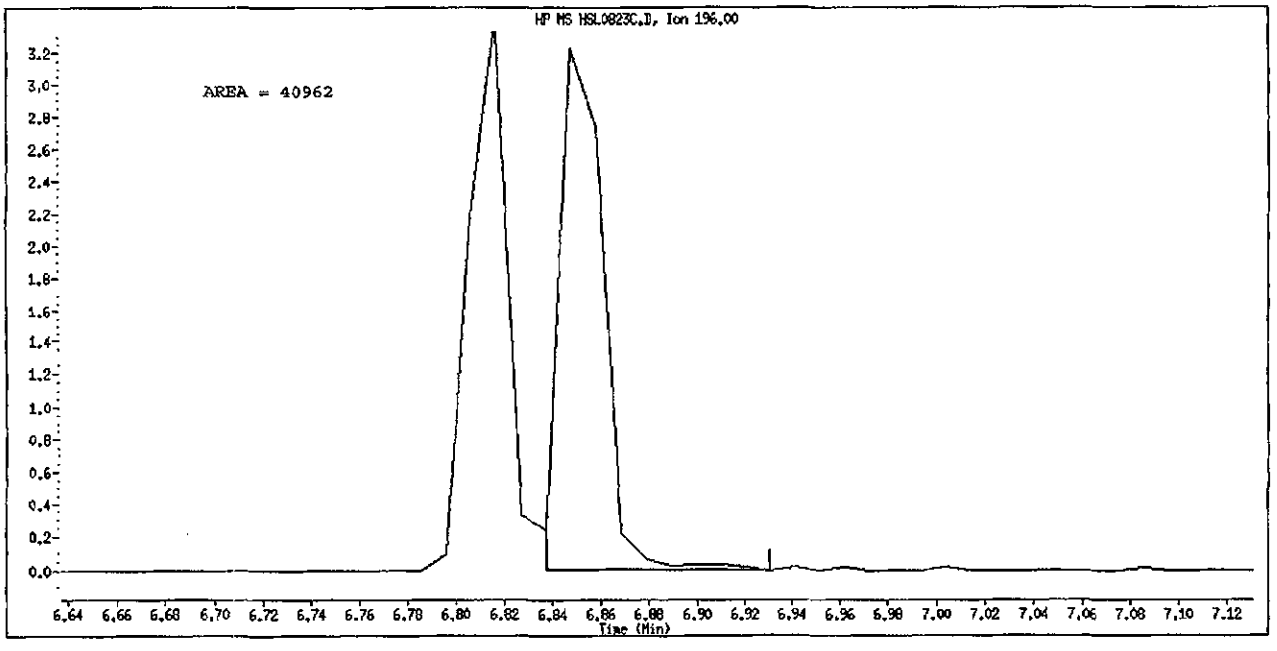
Manual Integration

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



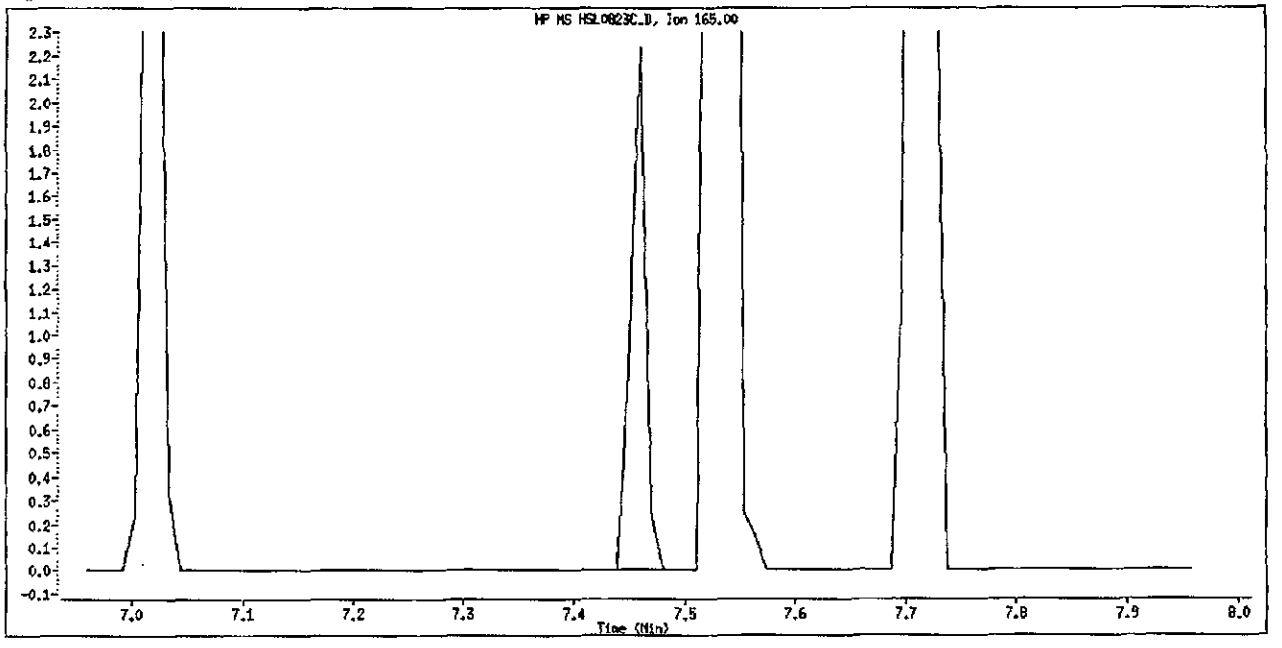
Original Integration



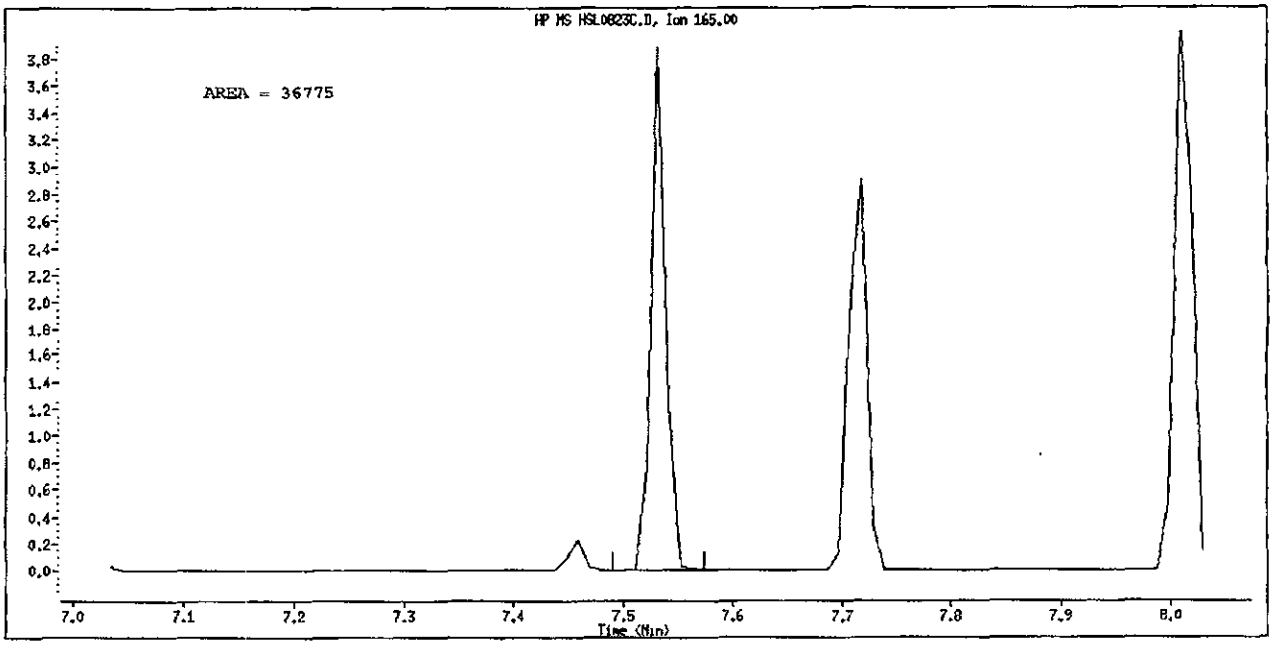
Manual Integration

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



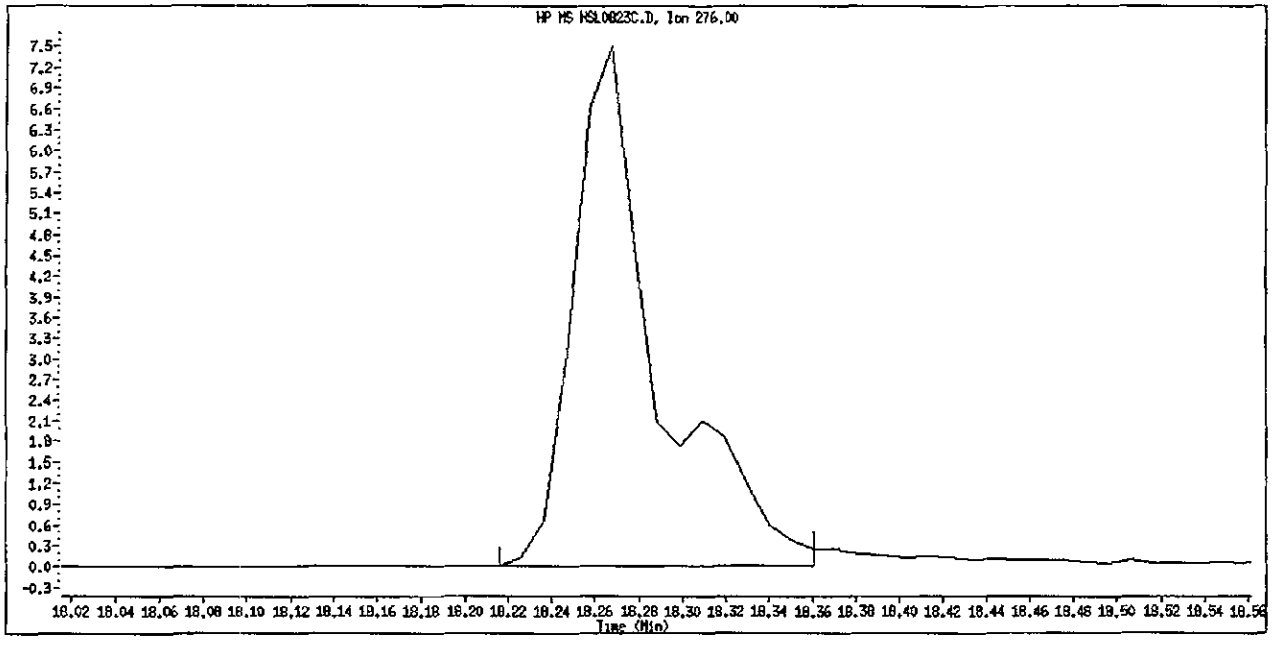
Original Integration



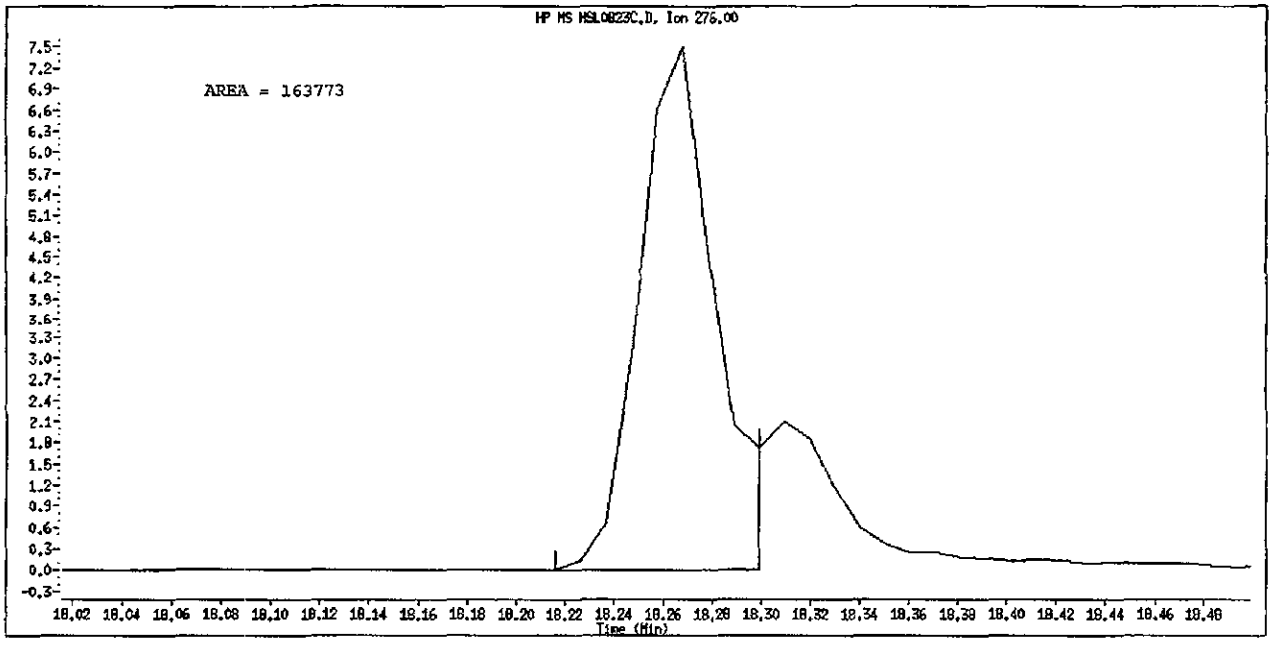
Manual Integration

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)	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)	159908	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

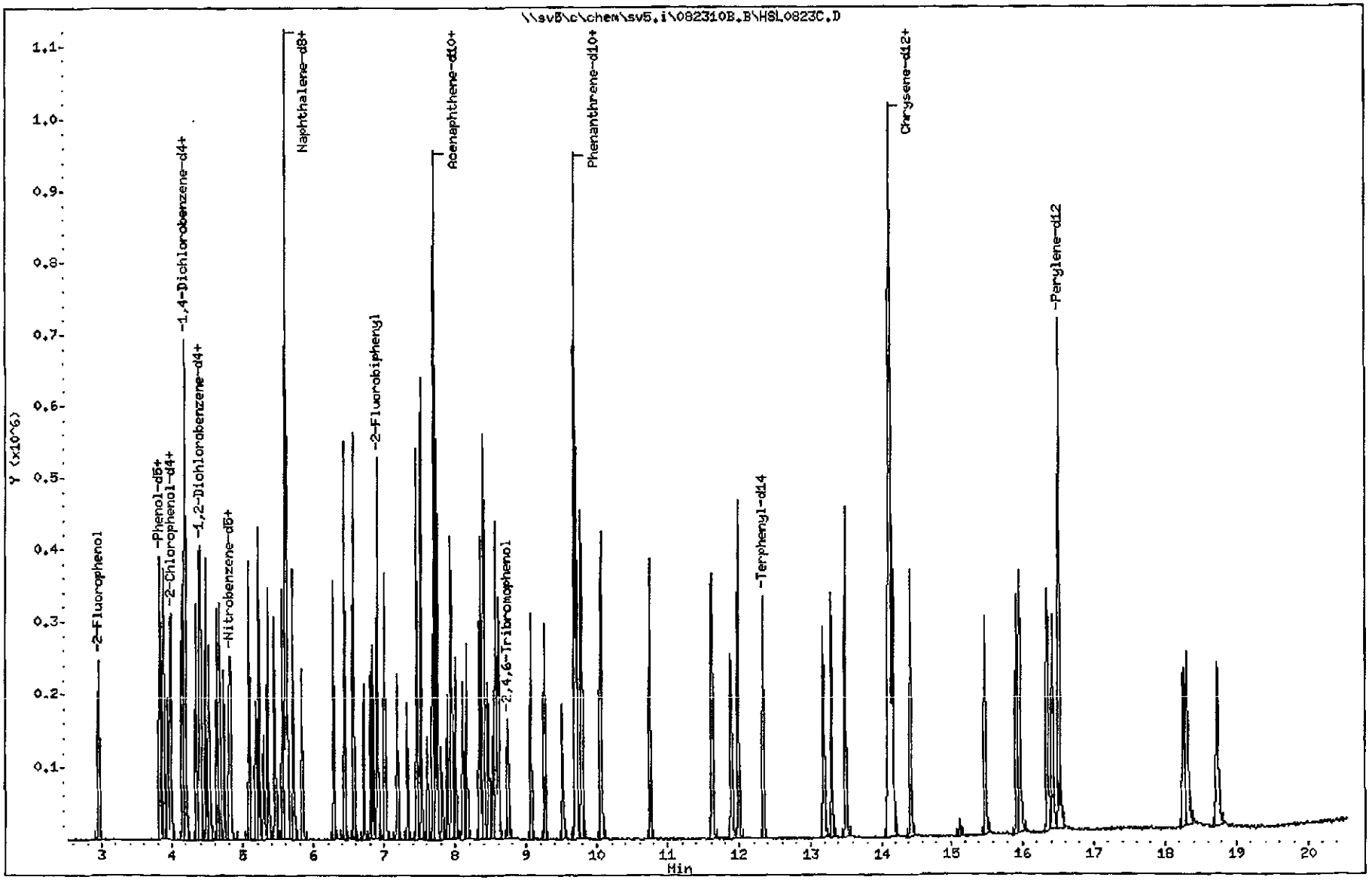
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.12	-0.07
6 Perylene-d12	16.53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

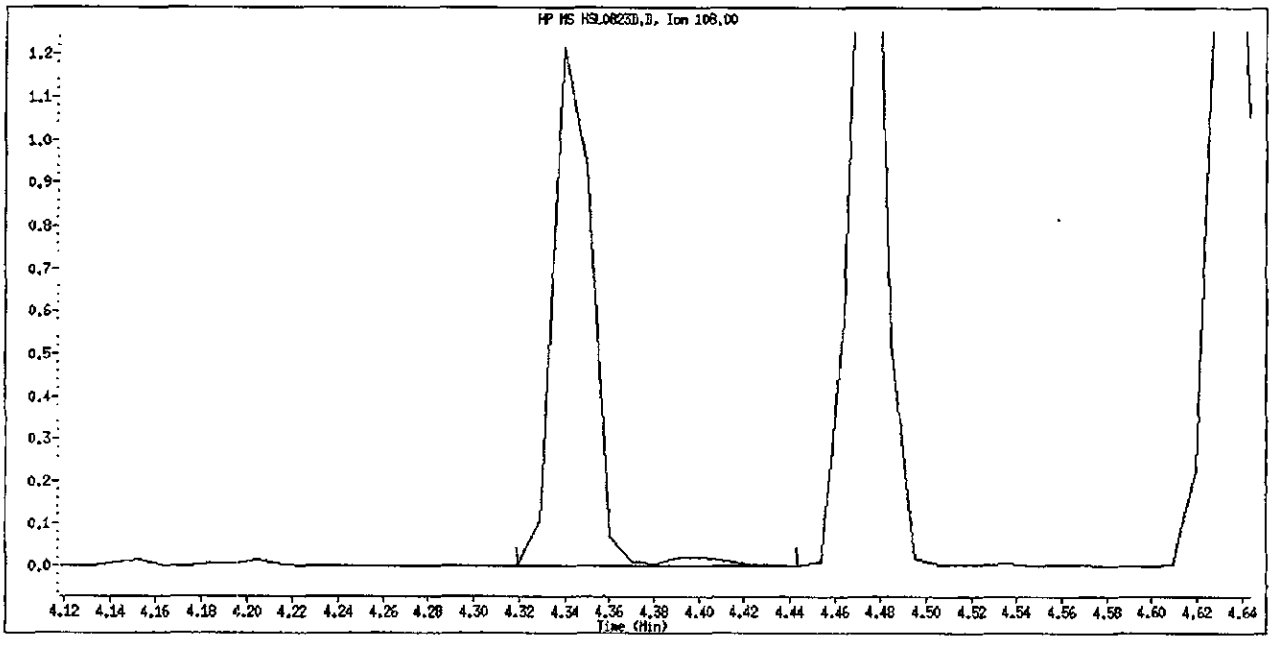
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	250850	50.0000	50.22
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	160069	50.0000	51.19
50	Benzoic Acid	122	5.324	5.324	(0.950)	126954	50.0000	60.75
51	1,2,4-Trichlorobenzene	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)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1117462	50.0000	

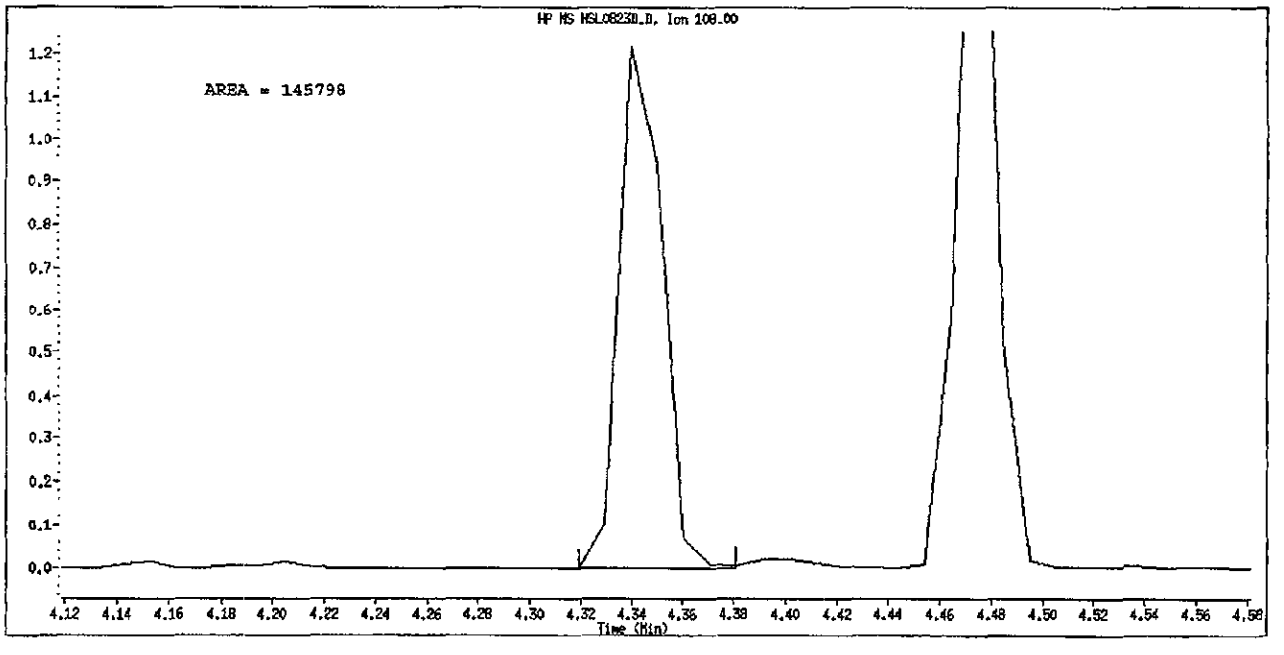
QC Flag Legend

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: 06/24/2010



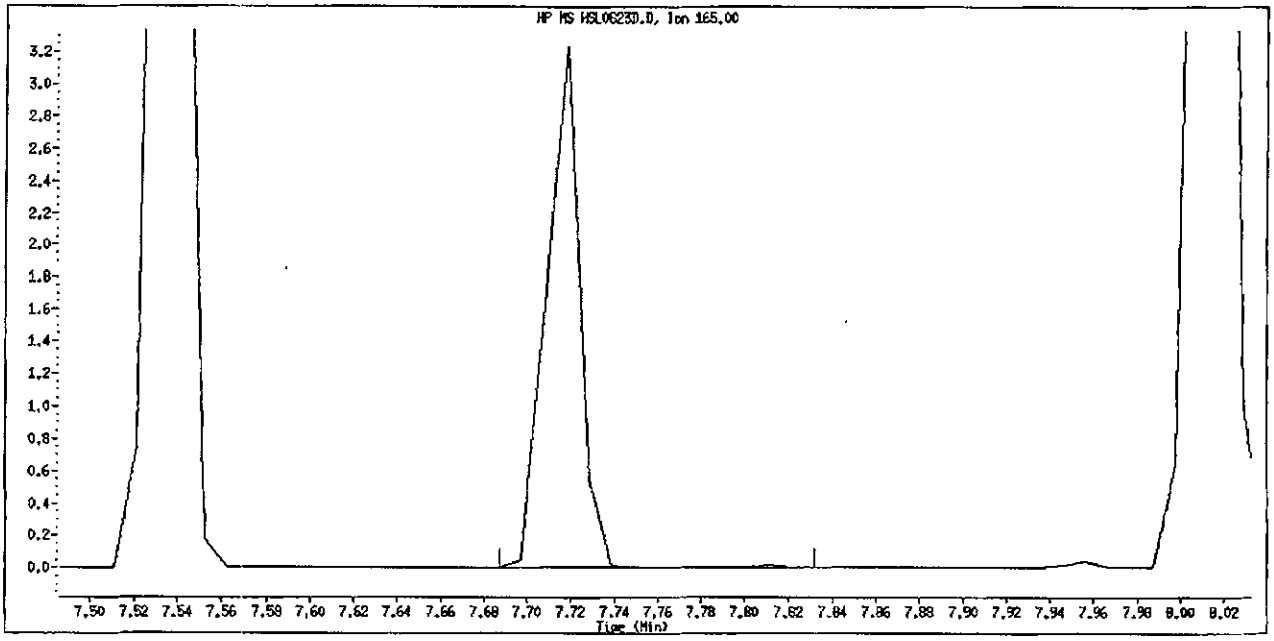
Original Integration



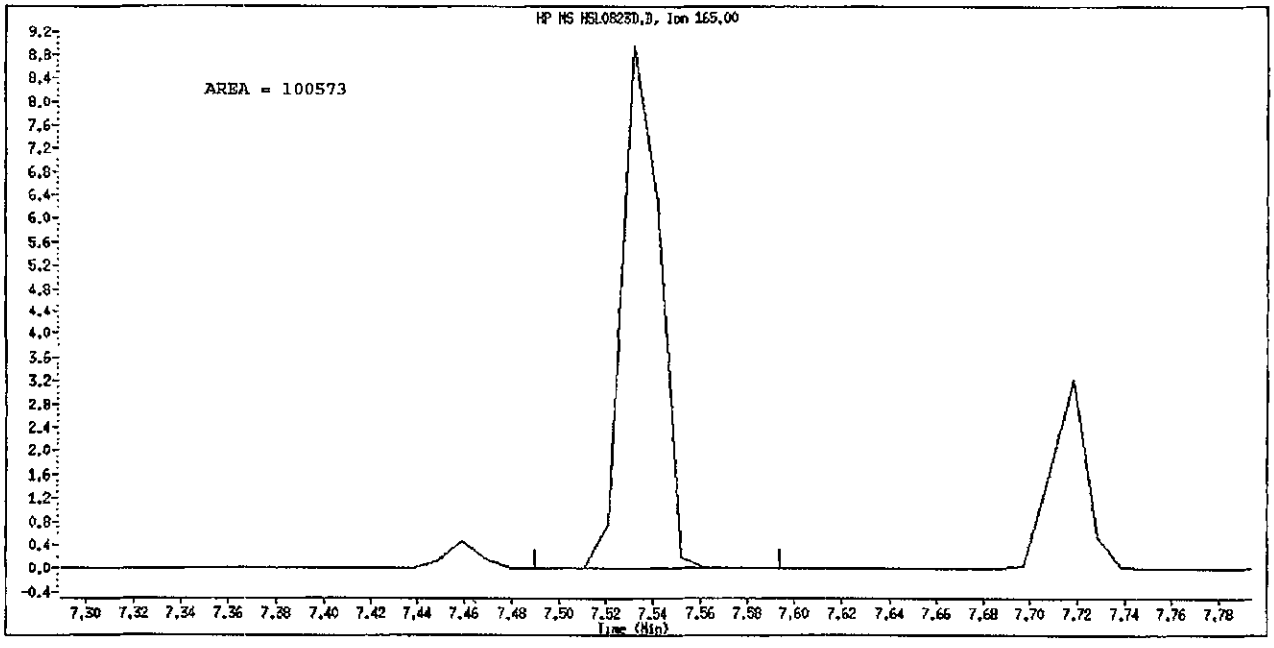
Manual Integration

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



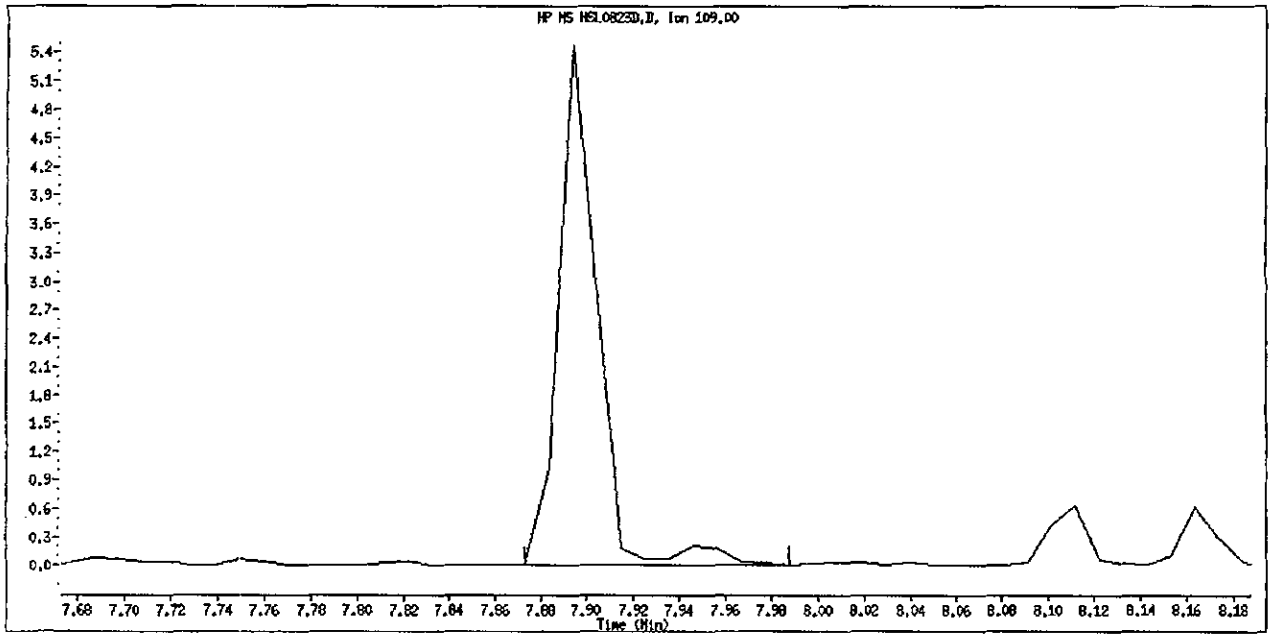
Original Integration



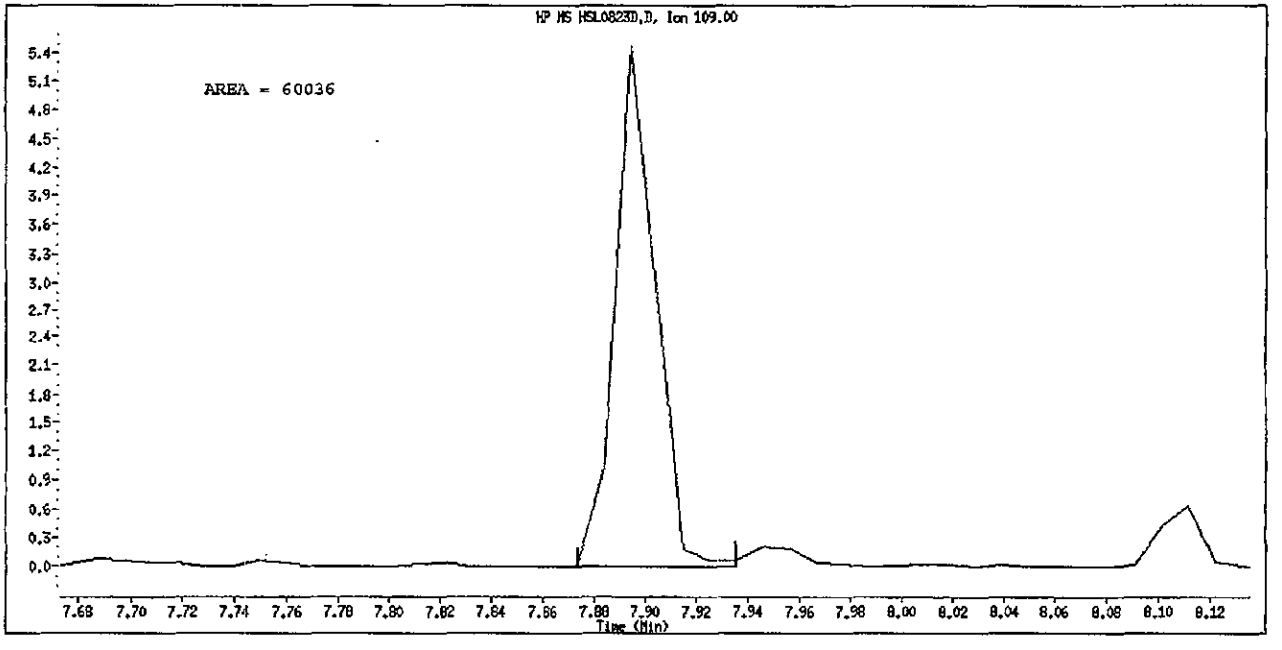
Manual Integration

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
	27 2-Chlorophenol	128	3.997	3.997	(0.955)	222487	50.0000	50.10
	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)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	250850	50.0000	50.54
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	160069	50.0000	49.50
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

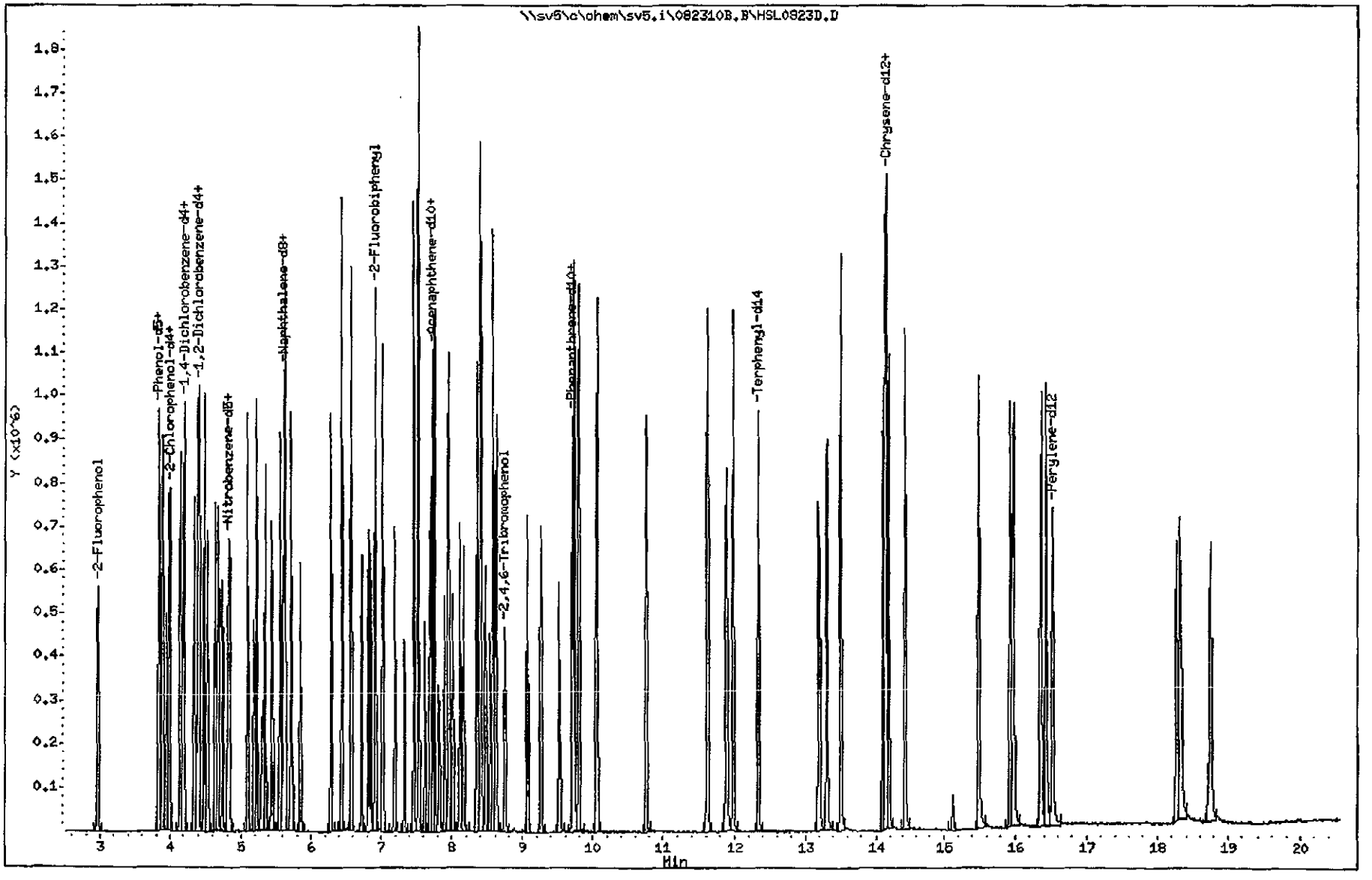
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53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

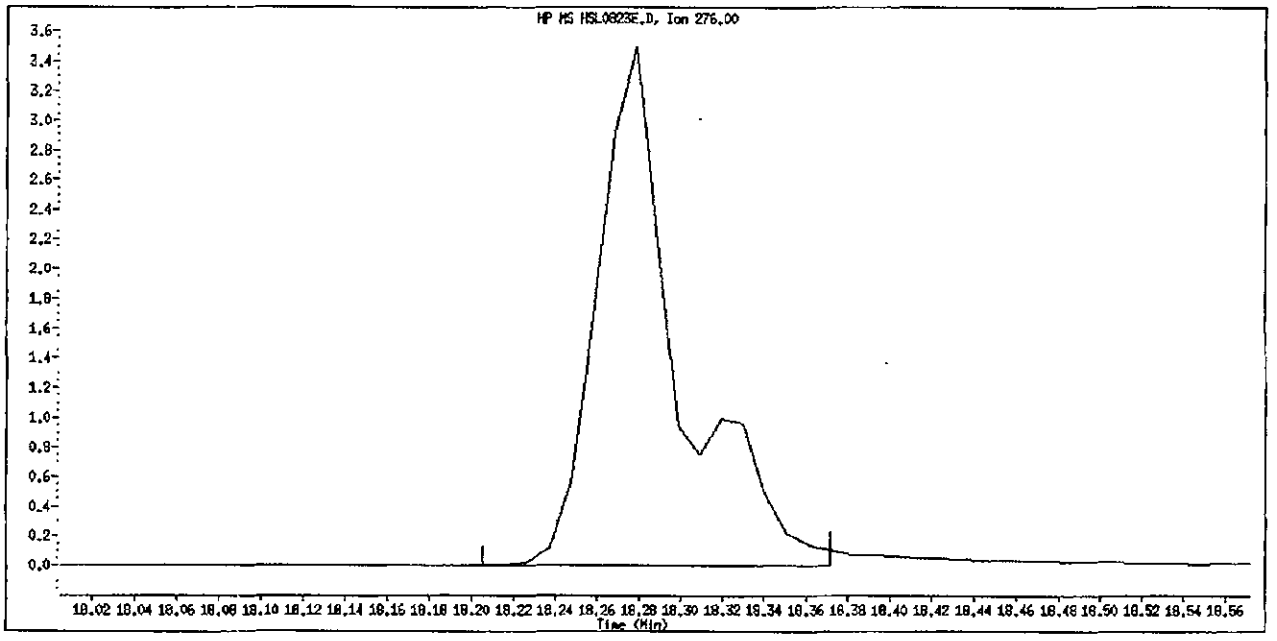
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	421499	80.0000	79.92
49 2,4-Dichlorophenol	162	5.458	5.458	(0.974)	277736	80.0000	82.33
50 Benzoic Acid	122	5.344	5.344	(0.954)	224297	80.0000	91.52
51 1,2,4-Trichlorobenzene	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	

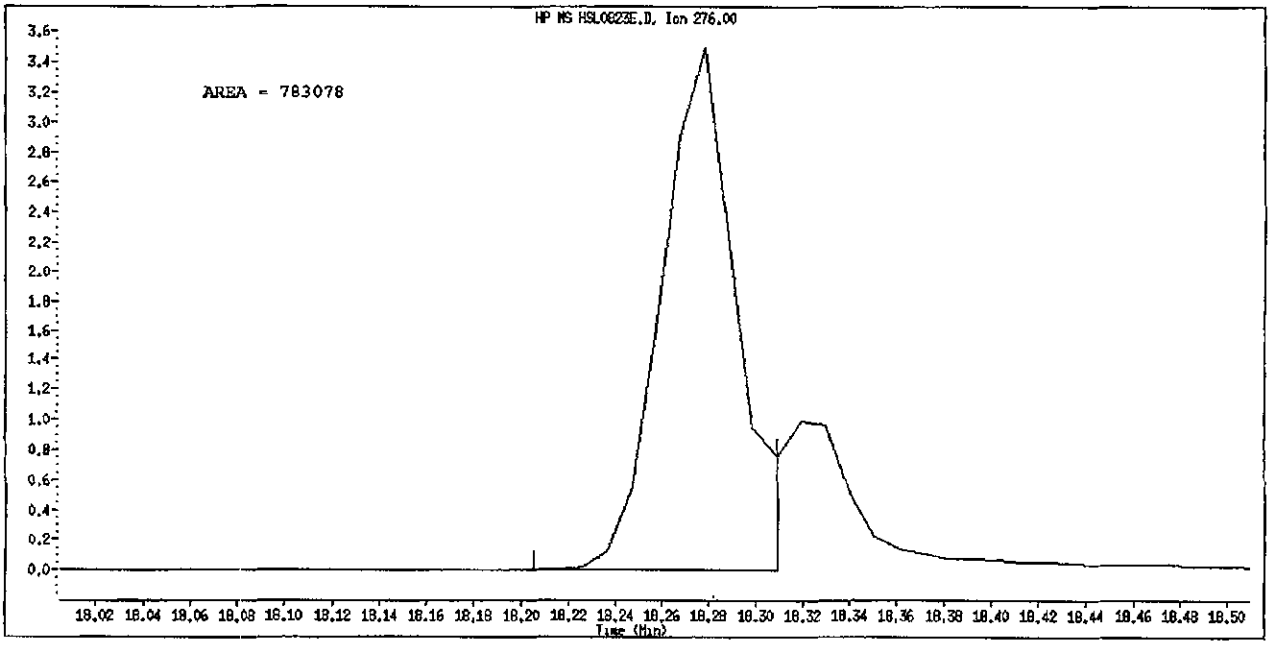
QC Flag Legend

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)	634970	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 152 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.

TestAmerica WestSacramento

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

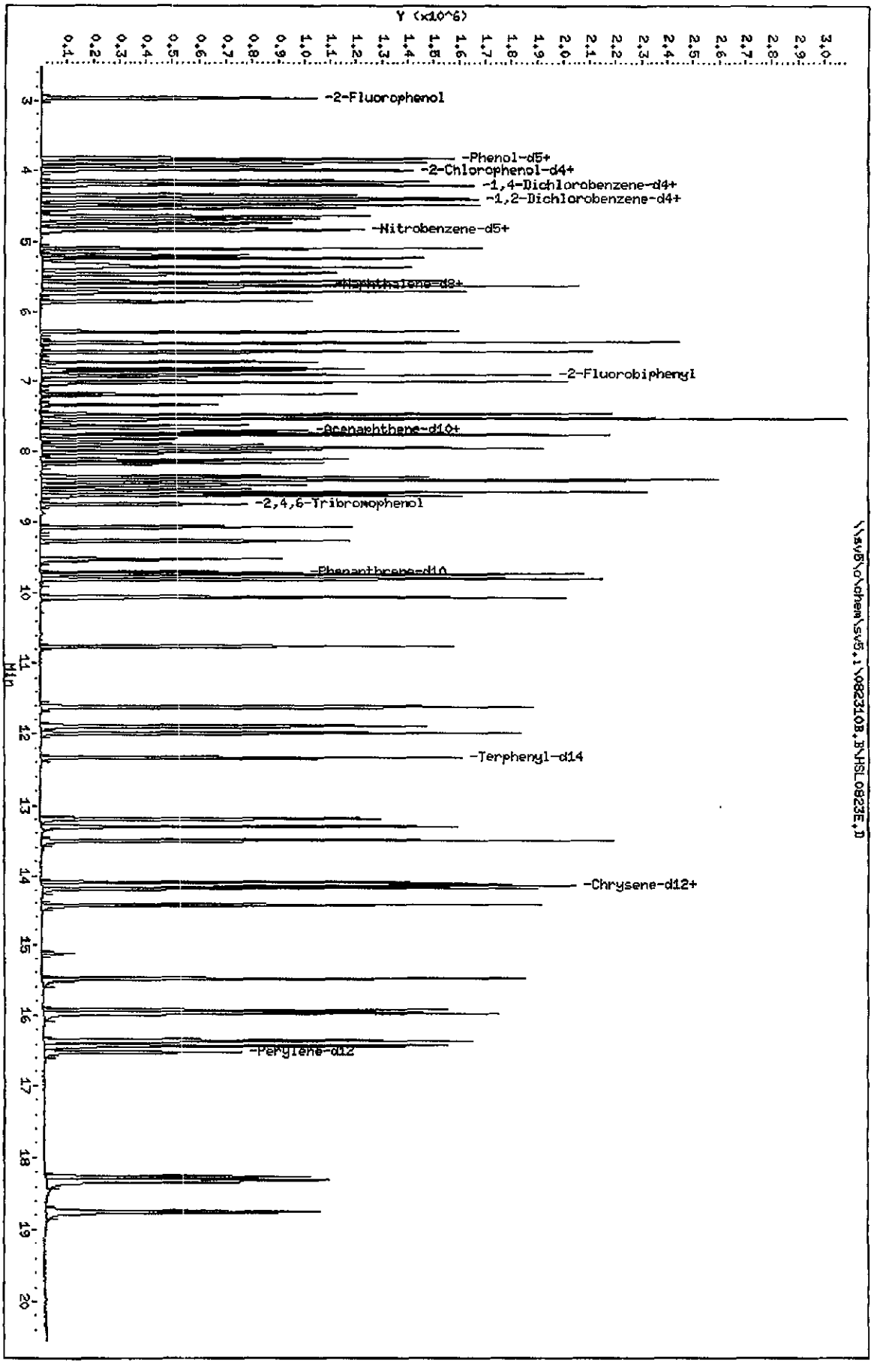
Calibration Date: 23-AUG-2010
Calibration Time: 16:14
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	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

		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\HSL0823E.D
Date : 23-AUG-2010 17:58
Client ID: 8270F,M
Sample Info: HSL_080 ug/ml CS-B;1;5;;;;;4
Column phase:
Instrument: sv5.i
Operator: KT
Column diameter: 2.00
Page 5
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0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0
-2-Fluorophenol
-Phenol-d5+
-2-Chlorophenol-d4+
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene-d4+
-Nitrobenzene-d5+
-Naphthalene-d8+
-2-Fluorobiphenyl
-Acenaphthene-d10+
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min
\\sv5\c\chem\sv5.i\082310B.B\HSL0823E.D

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	

8/24/10

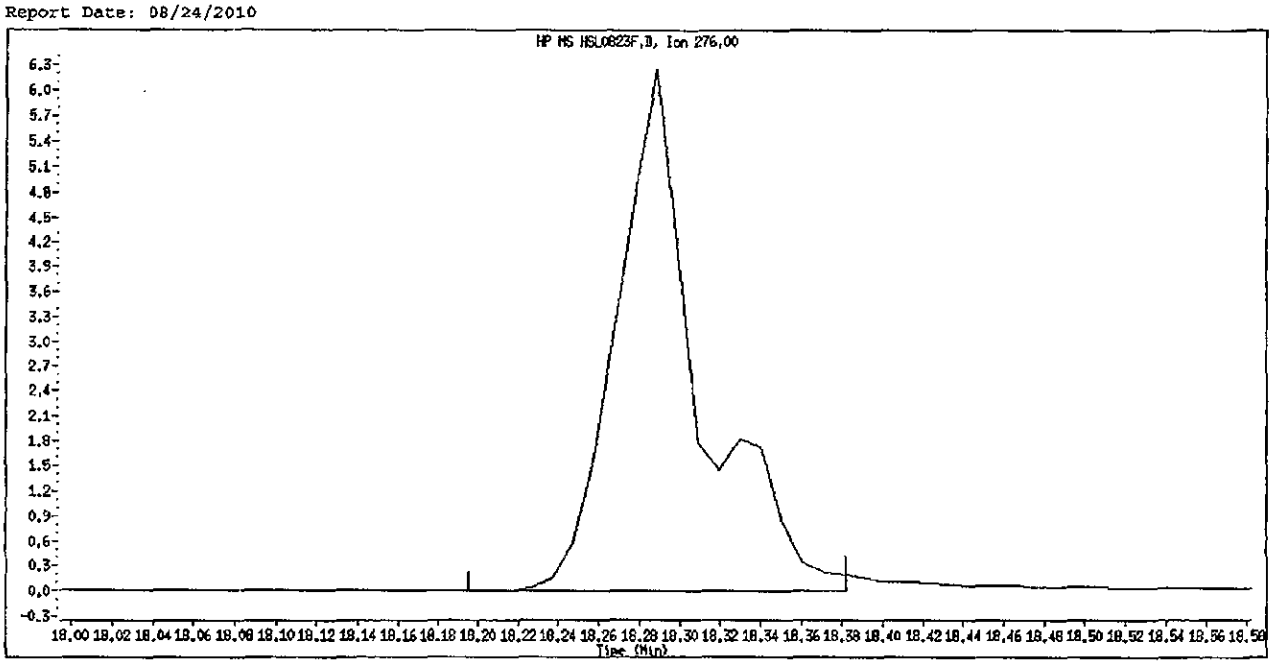
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	747512	120.000	119.0
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	508025	120.000	125.4
50	Benzoic Acid	122	5.365	5.365	(0.957)	443415	120.000	140.0
51	1,2,4-Trichlorobenzene	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)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3337036	120.000	

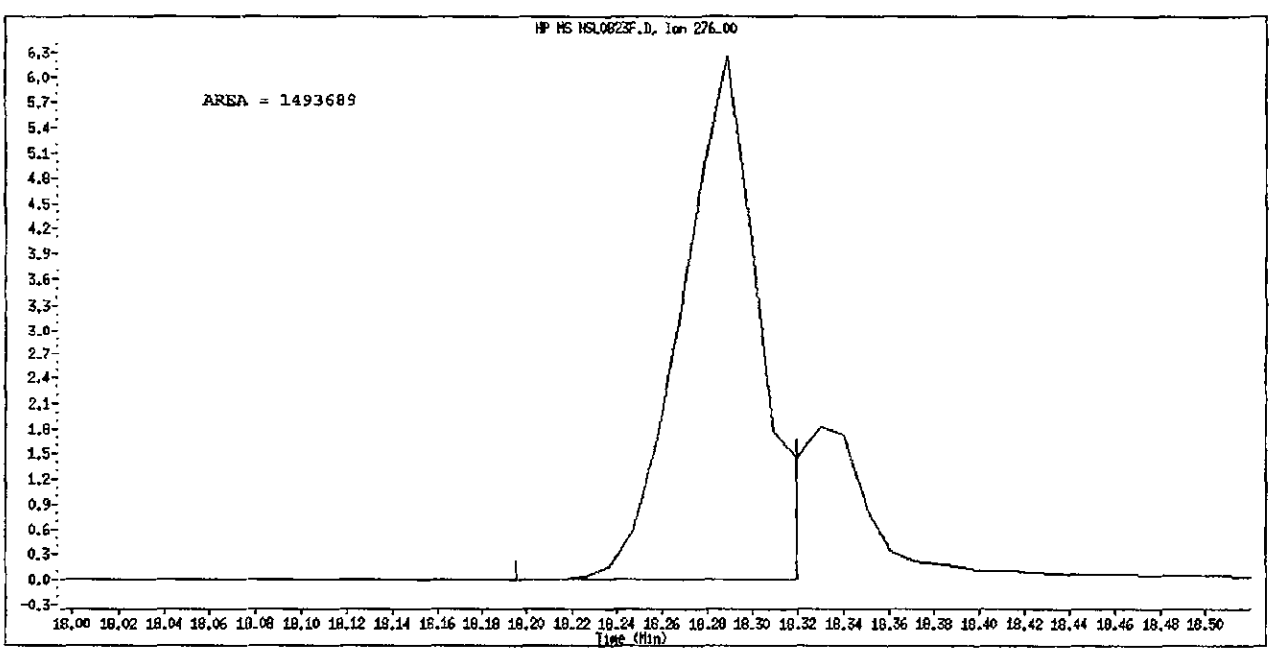
QC Flag Legend

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)	AMOUNTS 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)	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	8.576	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)	540756	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.

TestAmerica WestSacramento

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.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT 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

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

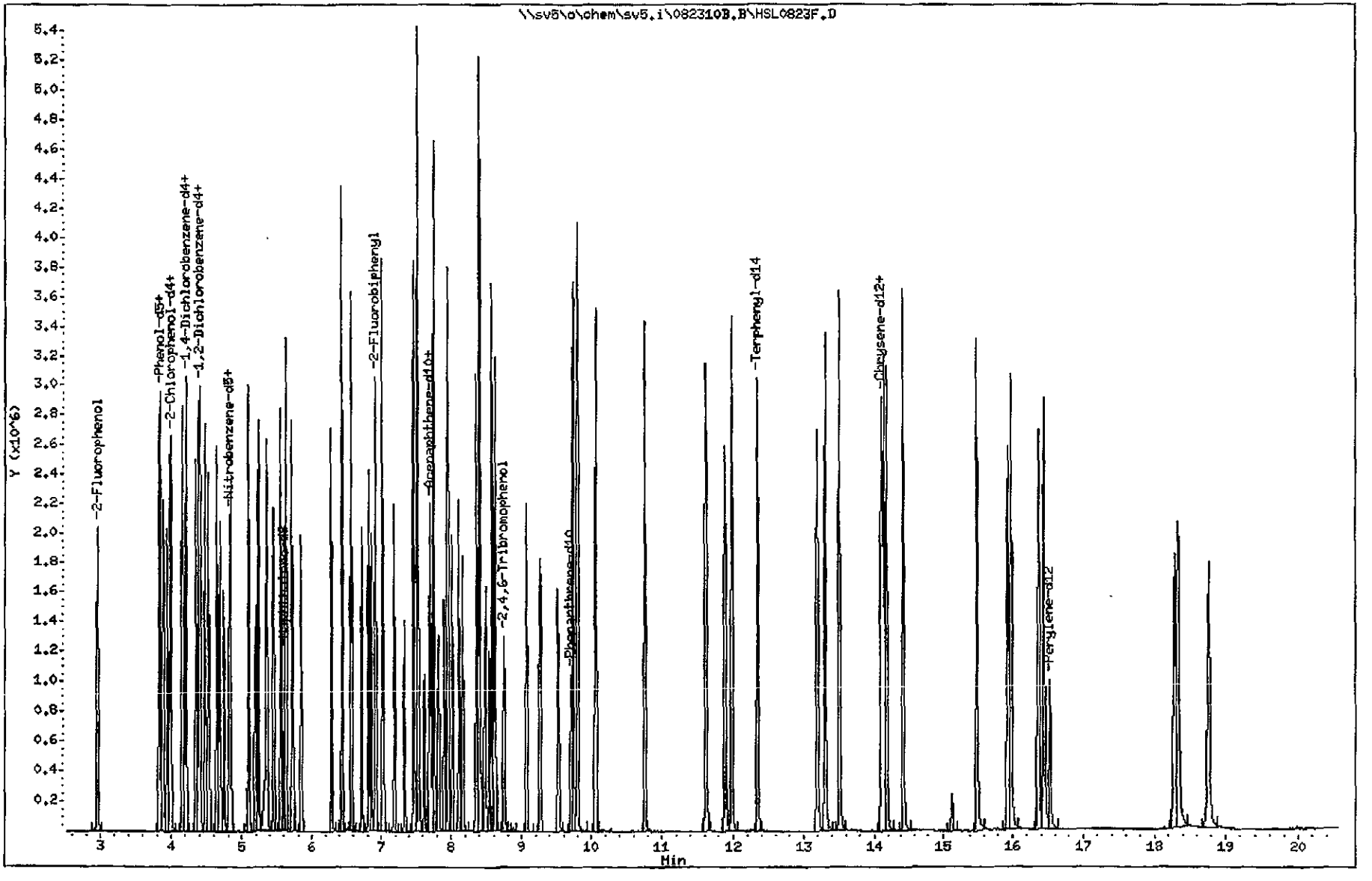
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\c\chem\sv5.i\082310B.B\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)	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

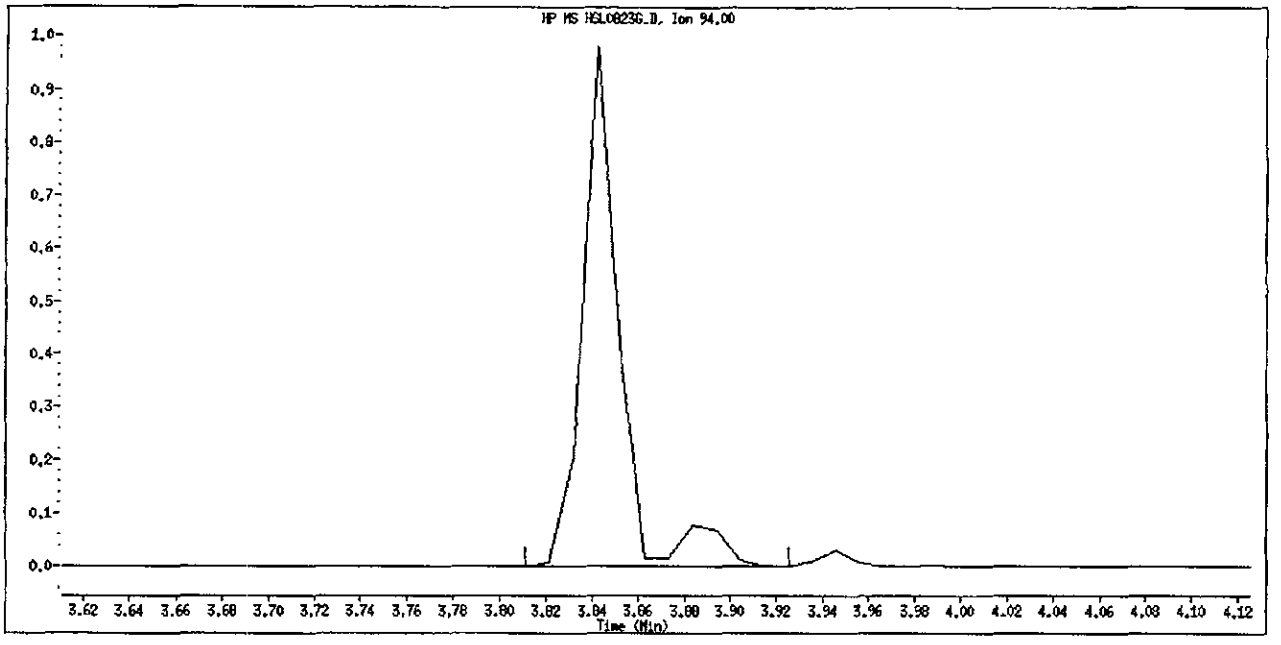
9/8/2010

	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)

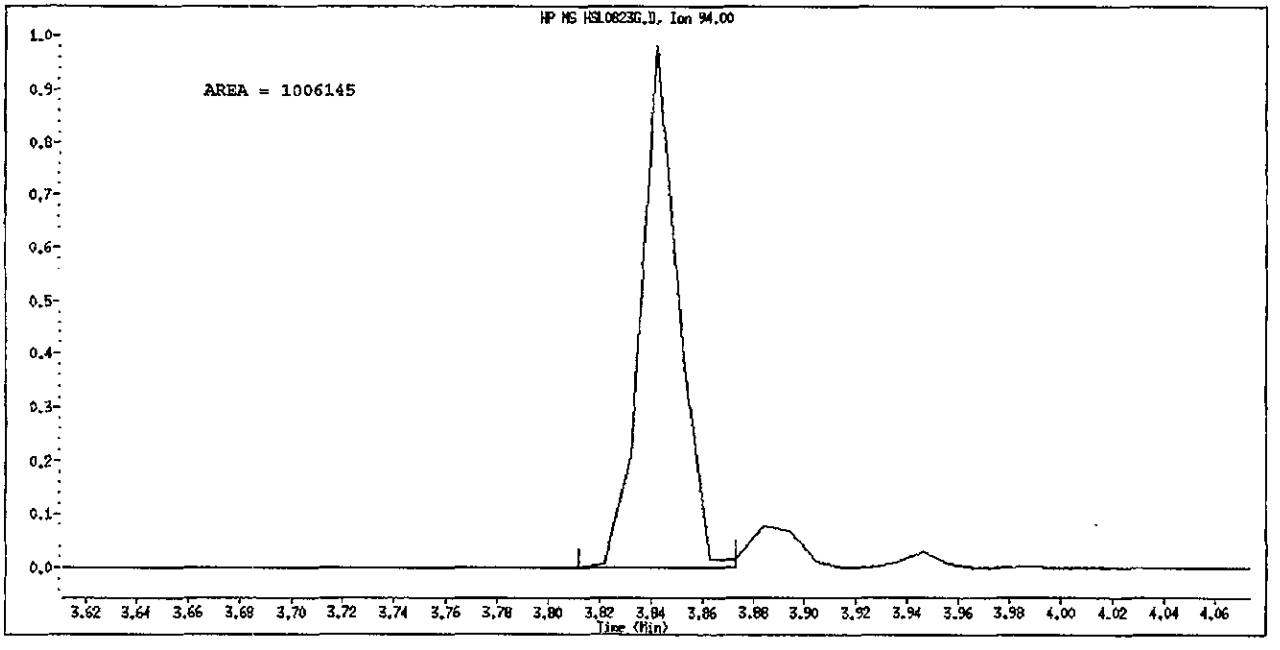
QC Flag Legend

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.

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 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)	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)	AMOUNTS 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.

TestAmerica WestSacramento

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\c\chem\sv5.i\082310B.B\HSL0823C.D

Date : 23-AUG-2010 18:50

Client ID: 8270F.M

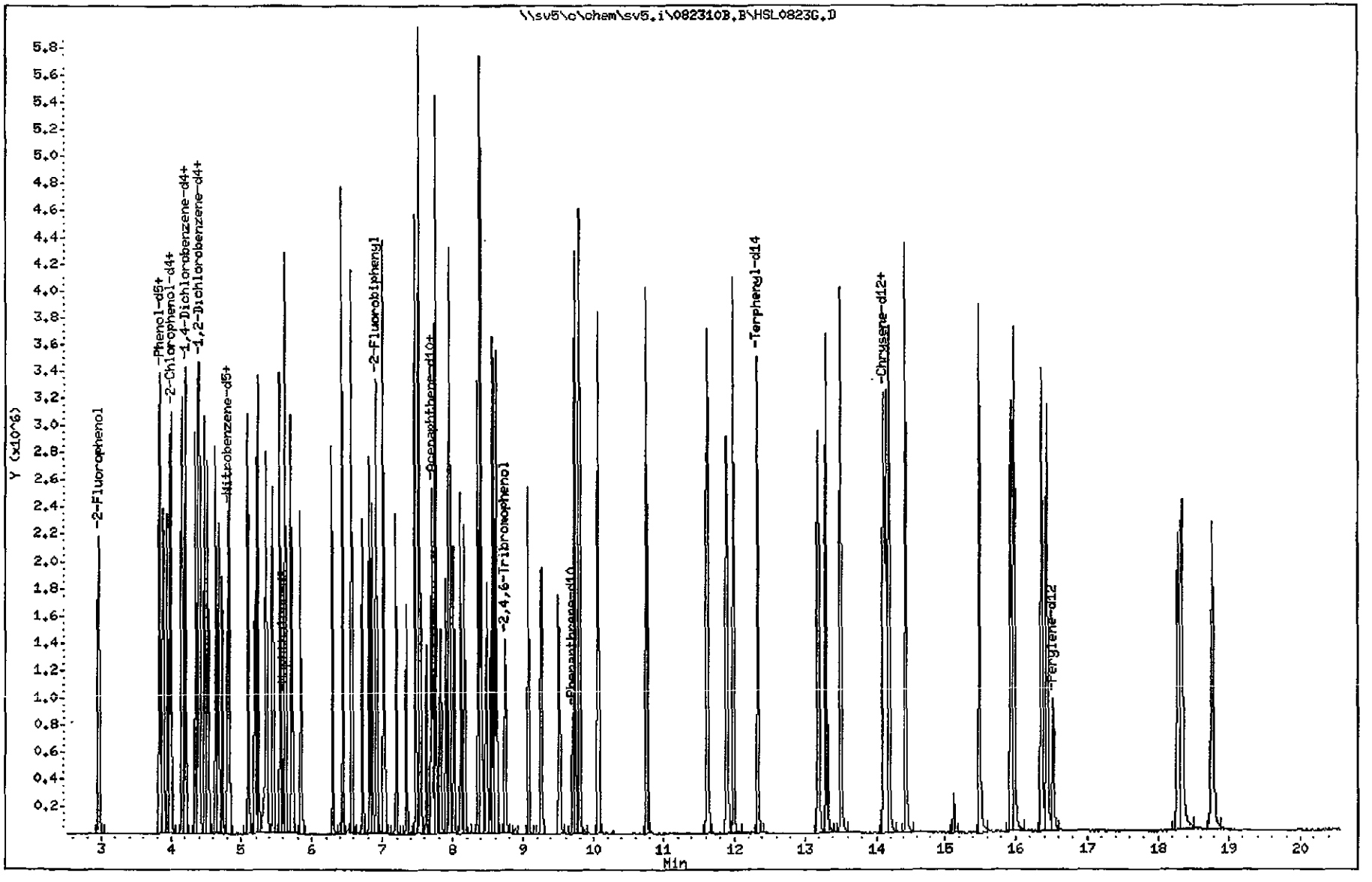
Sample Info: HSL_160 ug/ml CS-7;1;;7;;;;4

Column phase:

Instrument: sv5.i

Operator: KT

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
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M
Comment : SOP SAC-MS-0005
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

	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)	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 SDS 8/29/10
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	51.00
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

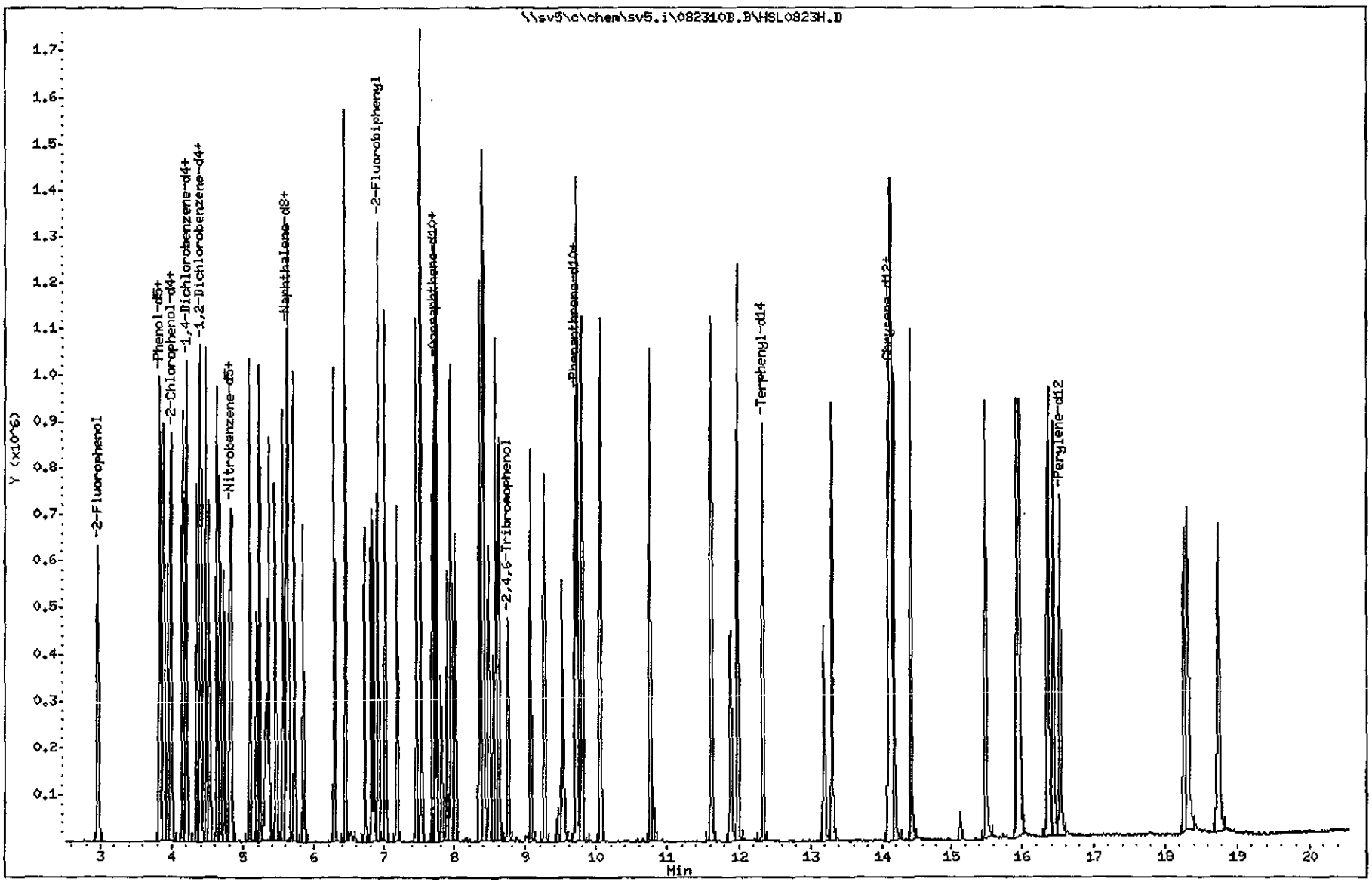
Sample Info: HSL_050 ug/ml ICV;2;;4;;;;4

Column phase:

Instrument: sv5.i

Operator: KT

Column diameter: 2.00



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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

8/26/2010

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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.M

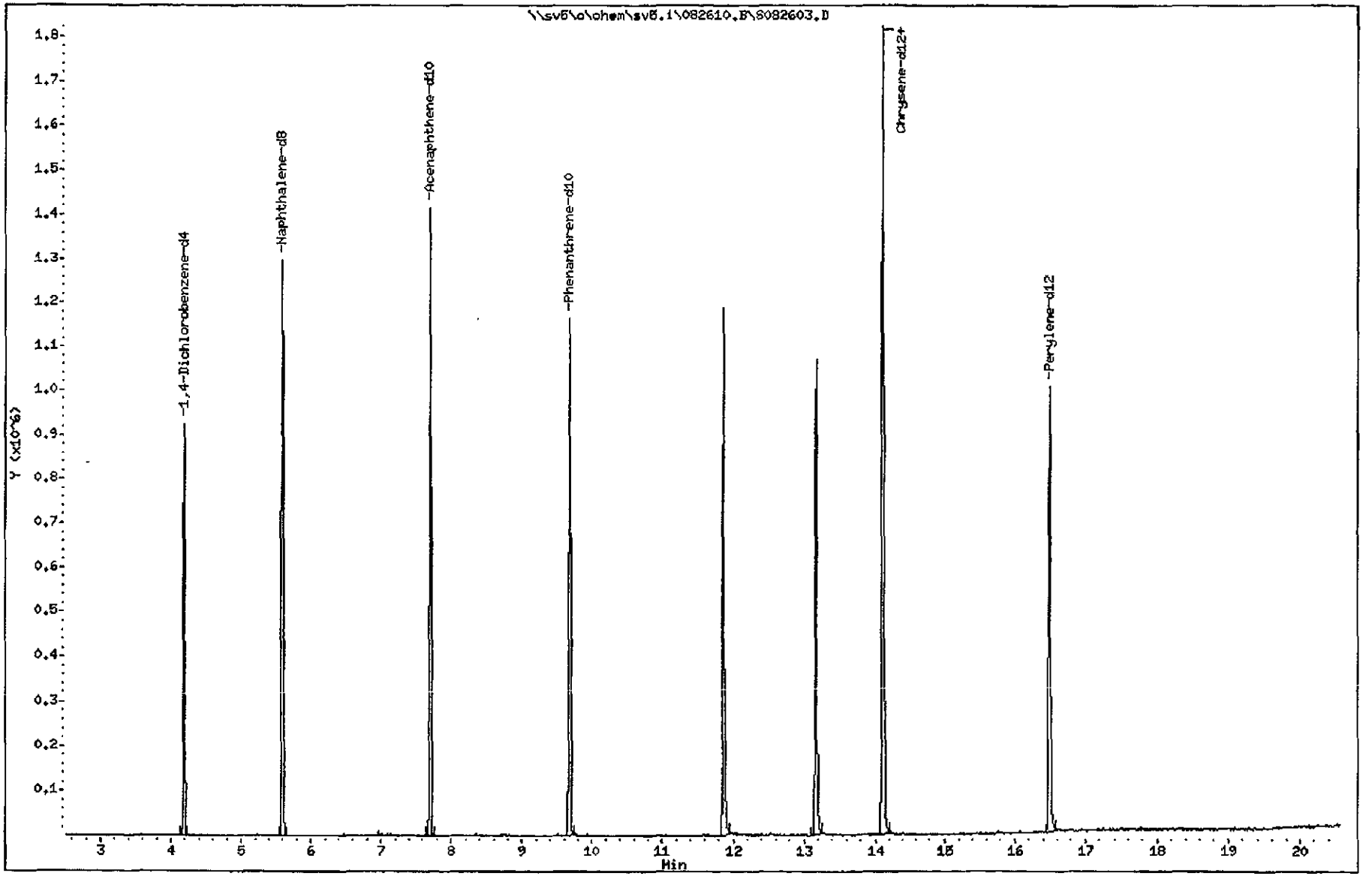
Sample Info: Benzidines ICV 50ug/mL;2;;4;;;;4

Column phase:

Instrument: sv5.i

Operator: srs

Column diameter: 2.00



Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
Organic Prep Log
8270 Air

Box # Air Tox#267

Shared QC Batch: N/A

Shares QC With: N/A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	9/9/10
Inst Receipt:	

Batch: 0250370

MS Run #:

Prep Date: 9/7/2010

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	NA
DCM	Baker	J27500
Na2SO4	Baker	3640-53B

WS-OP-0006

Soxhlet time on: 15:00 9/7/10 Soxhlet time off: 11:30

☒ XAD / PUF / PUF-XAD (circled)
☐ Filter
☐ Impinger

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume 1mL	Final Volume Other	Analysis Hold Time Expires
G0I040476 - 7		L6K631AA	9/8/2010	1	✓	NA	10/11/2010
G0I040476 - 8		L6K641AA	9/8/2010	1	✓		10/11/2010
G0I040476 - 9		L6K651AA	9/8/2010	1	✓		10/11/2010
G0I040476 - 10		L6K661AA	9/8/2010	1	✓		10/11/2010
G0I040476 - 11		L6K671AA	9/9/2010	1	✓		10/12/2010
G0I040476 - 12		L6K681AA	9/9/2010	1	✓		10/12/2010
G0I070000 - 370	B	L6L6T1AA	9/8/2010	1	✓		10/11/2010
G0I070000 - 370	C	L6L6T1AC	9/8/2010	1	✓		10/11/2010
G0I070000 - 370	L	L6L6T1AD	9/8/2010	1	✓		10/11/2010

Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	500ul/10Air0121/ A07 Sur	2/27/11	[initials]	JZ 9/7/10	9/7/10
Spike Mix LCS/LCSD/~~MS/MS~~	1mL/10Air0122/ 8270LCS Spike	1/1/11	[initials]	JZ 9/7/10	9/7/10
Pre-Spike Standard ~~All Samples~~ MS only	250ul/10Air0120/ 1,2303-9	2/27/11	SV	JZ 9/7/10	9/7/10
Internal Standard All Samples	20ul 10MS5V0084	4/8/11	SM	[initials] 9/9/10	9/9/10

Soxhlet Extraction Analyst/Date: SV 9/7/10

Concentration Analyst/Date: ECF 9/8/10

KD Analyst/Date: ECF 9/8/10

Liq Liq Extraction Analyst/Date: NA

KD Temp: ~~4~~ 83°C ECF 9/8/10

Review Analyst/Date:

* RUSH *

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) ~~0250369~~ 9/13/10 0250370 Test: To-13

Prep Date: 9/07/10 Holding Times: 9/8, 9/9, 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: 9/7/10

2nd Level Reviewer: MAP Date: 9/9/10

Comments:

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/08/10
Time: 15:10:20

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 AnalyticalGrou
_ Bench Sheet Copied per COC

Extractionist: 090182 Steve Valmores

Concentrationist: 403162 erica X. larson

QC BATCH: 0250370

PREP DATE: 9/07/10 15:00
COMP DATE: 9/08/10 13:00

Reviewer/Date: LARSONE / 9/08/10

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	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
9/08/10	9/13/10	G0I040476-007 **L6K63-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SUI
COMMENTS:															
9/08/10	9/13/10	G0I040476-008 **L6K64-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SUI
COMMENTS:															
9/08/10	9/13/10	G0I040476-009 **L6K65-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SUI
COMMENTS:															
9/08/10	9/13/10	G0I040476-010 **L6K66-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SUI
COMMENTS:															
9/09/10	9/13/10	G0I040476-011 **L6K67-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SUI
COMMENTS:															
9/09/10	9/13/10	G0I040476-012 **L6K68-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SUI
COMMENTS:															
9/08/10	0/00/00	G0I070000-370 **L6L6T-1-AAB**		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	250UL/10AIR0120/1,2-DCI 500UL/10AIR0121/ABN SUI
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/08/10
Time: 15:10:20

QC BATCH: 0250370

PREP DATE: 9/07/10 15:00
COMP DATE: 9/08/10 13:00

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
9/08/10	0/00/00	G0I070000-370 **L6L6T-1-ACC**		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0122/LCS SP 500UL/10AIR0121/ABN SU
COMMENTS:															
9/08/10	0/00/00	G0I070000-370 **L6L6T-1-ADL**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0122/LCS SP 500UL/10AIR0121/ABN SU
COMMENTS:															

DCM LOT: J27S00

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

NUMBER OF WORK ORDERS IN BATCH: 9

TestAmerica West Sacramento

GC/MS Data Review Checklist

Batch: 0250370 **Method ID:** Semivolatile Organics by GCMS in Air (TO-13A)

NCM: (Y) N G0i040476

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.			✓
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.	✓	✓	
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: _____ Date: 9/16/10

2nd Level Reviewer: _____ Date: 9/16/10

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

Run text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB
Run #18 Filename: 13SE10A4D5 S: 33 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 10:59:05 Processed: 14-SEP-10 11:59:25
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 sam

AK 9/15/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	137902400	0.80	y	19:54	-	82.579	-	-	n
13C-2,3,7,8-TCDF	155463000	0.80	y	19:18	1.23	3668.108	3.395	91.7	n
2,3,7,8-TCDF	*	*	n	NotFnd	0.99	*	1.028	-	n
Total TCDF	139421	1.16	n	16:34	0.99	9/16/10 MS ~~3.607~~ 1.59 ✓	~~1.028~~	-	n
13C-2,3,7,8-TCDD	113148800	0.80	y	20:06	0.91	3626.293	5.406	90.7	n
2,3,7,8-TCDD	35490	1.05	n	20:09	0.98	~~1.276~~	1.401	-	n
Total TCDD	276993	0.27	n	16:31	0.98	~~9.957~~	~~1.401~~ 2.837 ✓		n
37Cl-2,3,7,8-TCDD	61782800	1.00	y	20:07	1.33	1647.067	0.051	102.9	n
13C-1,2,3,7,8-PeCDF	110272400	1.56	y	25:07	0.88	3651.121	~~7.165~~	91.3	n
1,2,3,7,8-PeCDF	28447	2.30	n	25:09	1.08	~~0.958~~	1.653	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.05	*	1.702	-	n
Total F2 PeCDF	109007	2.30	n	25:09	1.06	3.~~732~~ 4.03	~~1.677~~	-	n
Total F1 PeCDF	76388	0.64	n	15:54	1.06	2.~~611~~	1.~~172~~ 1.762	-	n
13C-1,2,3,7,8-PeCDD	76173700	1.59	y	27:31	0.66	3343.543	2.131	83.6	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*	3.434	-	n
Total PeCDD	154593	1.66	y	23:47	0.93	~~8.772~~ 4.22	3.434	-	n
13C-1,2,3,7,8,9-HxCDD	75477100	1.30	y	33:20	-	63.748	-	-	n
13C-1,2,3,4,7,8-HxCDF	68500000	0.50	y	32:12	1.04	3474.624	0.882	86.9	n
1,2,3,4,7,8-HxCDF	34148	1.24	y	32:15	1.22	1.638J	0.791	-	n
1,2,3,6,7,8-HxCDF	27450	0.89	n	32:19	1.28	1.251JQ	0.751	-	n
2,3,4,6,7,8-HxCDF	21585	1.74	n	32:52	1.23	1.022JS/NDL	0.780	-	n
1,2,3,7,8,9-HxCDF	89013	0.96	n	33:35	1.10	4.733JQ	0.876	-	n
Total HxCDF	251826	1.05	n	31:00	1.21	~~12.494~~ 10.153	0.797	-	n
13C-1,2,3,6,7,8-HxCDD	53399100	1.32	y	33:03	0.83	3406.332	1.863	85.2	n
1,2,3,4,7,8-HxCDD	12974	0.57	n	33:01	1.04	0.937JQ	1.590	-	n
1,2,3,6,7,8-HxCDD	22583	0.51	n	33:05	1.16	1.455J	1.418	-	n
1,2,3,7,8,9-HxCDD	83840	1.22	y	33:19	1.18	5.314J	1.396	-	n
Total HxCDD	193802	0.77	n	30:42	1.13	~~12.651~~ 11.17	1.463	-	n
13C-1,2,3,4,6,7,8-HpCDF	63749200	0.43	y	34:51	0.91	3712.508	49.430	92.8	n
1,2,3,4,6,7,8-HpCDF	*	*	n	NotFnd	1.35	*	26.834	-	n
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	1.09	*	33.026	-	n
Total HpCDF	1962962	0.90	y	35:12	1.22	~~100.990~~ 9/16/10 MS	~~29.610~~ 33.026	-	n
13C-1,2,3,4,6,7,8-HpCDD	60630000	1.07	y	35:41	0.83	3887.173	57.875	97.2	n
1,2,3,4,6,7,8-HpCDD	661096	1.10	y	35:42	1.07	40.697J	16.507	-	n
Total HpCDD	3091210	1.25	n	35:12	1.07	~~190.296~~ 55.50	16.507	-	n
13C-OCDD	82819800	0.88	y	38:16	0.62	7080.412	28.528	88.5	n

OCDF	90461	1.37	n	38:23	1.37	~~6.377~~	7.805	-	n
OCDD	99043	1.40	n	38:17	1.20	~~7.977~~	27.643	-	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:7
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4╗

Amount:	1.80 of which	* named and	1.80	unnamed
Conc:	3.61 of which	* named and	3.61	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:34	1.16	n	0.82	20764	4.2	y	n
						17875	3.1	y	n
	2	16:41	0.92	n	0.28	5644	1.8	n	n
						6132	1.2	n	n
	3	19:27	0.23	n	0.26	4309	1.1	n	n
						18664	2.1	n	n
	4	21:25	0.60	n	1.59	26714	5.2	y	n
						44295	4.7	y	n
	5	21:32	0.28	n	0.23	3801	1.1	n	n
						13677	2.0	n	n
	6	21:36	0.47	n	0.39	6485	2.0	n	n
						13677	2.0	n	n
	7	21:42	0.16	n	0.05	857	0.3	n	n
						5354	1.1	n	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:10
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4╗

Amount:	4.98 of which	0.64 named and	4.34 unnamed
Conc:	9.96 of which	1.28 named and	8.68 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:31	0.27	n	0.30	3644	1.1	n	n
						13262	3.4	y	n
	2	17:33	0.58	n	1.40	16930	2.6	n	n
						29423	7.2	y	n
	3	18:12	2.01	n	0.25	7868	1.4	n	n
						3909	1.2	n	n

	4	19:18	1.04	n	1.07	17458	4.1	y	n
						16802	2.7	n	n
2,3,7,8-TCDD	5	20:09	1.05	n	1.28	21107	2.5	n	n
						20051	4.4	y	n
	6	20:18	1.07	n	1.07	18018	3.0	n	n
						16858	3.0	y	n
	7	20:29	0.31	n	0.49	5945	1.3	n	n
						19231	4.3	y	n
	8	20:35	0.37	n	0.59	7138	1.8	n	n
						19231	4.3	y	n
	9	21:23	0.80	y	2.83	34991	4.5	y	n
						43667	5.2	y	n
	10	22:34	0.70	y	0.68	7820	1.3	n	n
						11158	2.3	n	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:4
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1.86	of which	0.48	named and	1.38 unnamed
Conc:	3.71	of which	0.96	named and	2.75 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,7,8-PeCDF	1	25:09	2.30	n	0.96	25692	5.9	y	n
						11156	1.9	n	n
	2	27:00	0.26	n	1.03	18241	4.2	y	n
						69628	6.2	y	n
	3	29:02	0.87	n	0.72	12833	4.0	y	n
						14693	2.1	n	n
	4	29:08	1.22	n	1.01	17894	4.0	y	n
						14693	2.1	n	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:8
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1.31 of which	* named and	1.31	unnamed	
Conc:	2.61 of which	* named and	2.61	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:54	0.64	n	0.24	4234	9.3	y	n
						6643	1.3	n	n
	2	16:00	0.03	n	0.01	105	0.5	n	n
						3537	0.8	n	n
	3	16:58	0.13	n	0.30	5384	25.6	y	n
						42071	7.0	y	n
	4	19:27	0.33	n	0.14	2553	6.9	y	n
						7854	2.0	n	n
	5	21:02	0.09	n	0.23	4123	17.1	y	n
						45062	6.3	y	n
	6	21:20	0.40	n	0.20	3619	14.9	y	n
						9104	1.9	n	n
	7	21:45	2.52	n	1.25	35967	108.0	y	n
						14283	2.1	n	n
	8	21:59	1.36	y	0.24	4053	13.9	y	n
						2982	0.6	n	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:4
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	4.39 of which	* named and	4.39	unnamed	
Conc:	8.77 of which	* named and	8.77	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:47	1.66	y	2.52	27760	3.4	y	n
						16693	5.9	y	n
	2	26:59	4.35	n	4.22	126813	10.5	y	n
						29133	8.7	y	n
	3	28:09	3.83	n	0.54	14363	1.7	n	n

						3752	1.7	n	n
	4	28:44	0.89	n	1.49	15976	2.1	n	n
						17946	4.3	y	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:7
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	6.25 of which	4.32 named and	1.93	unnamed
Conc:	12.49 of which	8.64 named and	3.85	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:00	1.05	n	2.91	33292	10.8	y	n
						31617	14.6	y	n
	2	31:06	1.18	y	0.49	5478	2.3	n	n
						4646	3.6	y	n
	3	31:12	0.92	n	0.45	5185	1.7	n	n
						5632	2.0	n	n
1,2,3,4,7,8-HxCDF	4	32:15	1.24	y	1.64	18910	7.2	y	n
						15238	8.1	y	n
1,2,3,6,7,8-HxCDF	5	32:19	0.89	n	1.25	15196	3.5	y	n
						17001	9.0	y	n
2,3,4,6,7,8-HxCDF	6	32:52	1.74	n	1.02	16745	4.1	y	n
						9636	4.9	y	n
1,2,3,7,8,9-HxCDF	7	33:35	0.96	n	4.73	49275	11.1	y	n
						51526	24.1	y	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:6
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	6.33 of which	3.85 named and	2.47 unnamed
Conc:	12.65 of which	7.71 named and	4.94 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:42	0.77	n	0.42	3531	1.1	n	n
						4589	1.3	n	n
	2	31:42	0.96	n	3.47	28940	8.9	y	n
						30073	6.3	y	n
	3	32:52	1.55	n	1.05	10920	2.8	n	n
						7030	1.6	n	n
1,2,3,4,7,8-HxCDD	4	33:01	0.57	n	0.94	7182	2.7	n	n
						12528	3.7	y	n
1,2,3,6,7,8-HxCDD	5	33:05	0.51	n	1.45	12501	4.6	y	n
						24275	4.2	y	n
1,2,3,7,8,9-HxCDD	6	33:19	1.22	y	5.31	46035	11.8	y	n
						37804	7.6	y	n

Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	50.49 of which	* named and	50.49 unnamed
Conc:	100.99 of which	* named and	100.99 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	35:12	0.90	y	15.25	140041	3.1	y	n
						156463	1.7	n	n
	2	35:43	1.09	y	28.21	285513	5.5	y	n
						262790	2.4	n	n
	3	36:25	1.63	n	20.45	318298	4.5	y	n
						194832	1.5	n	n
	4	36:42	1.29	n	37.08	457401	5.1	y	n
						353283	2.0	n	n

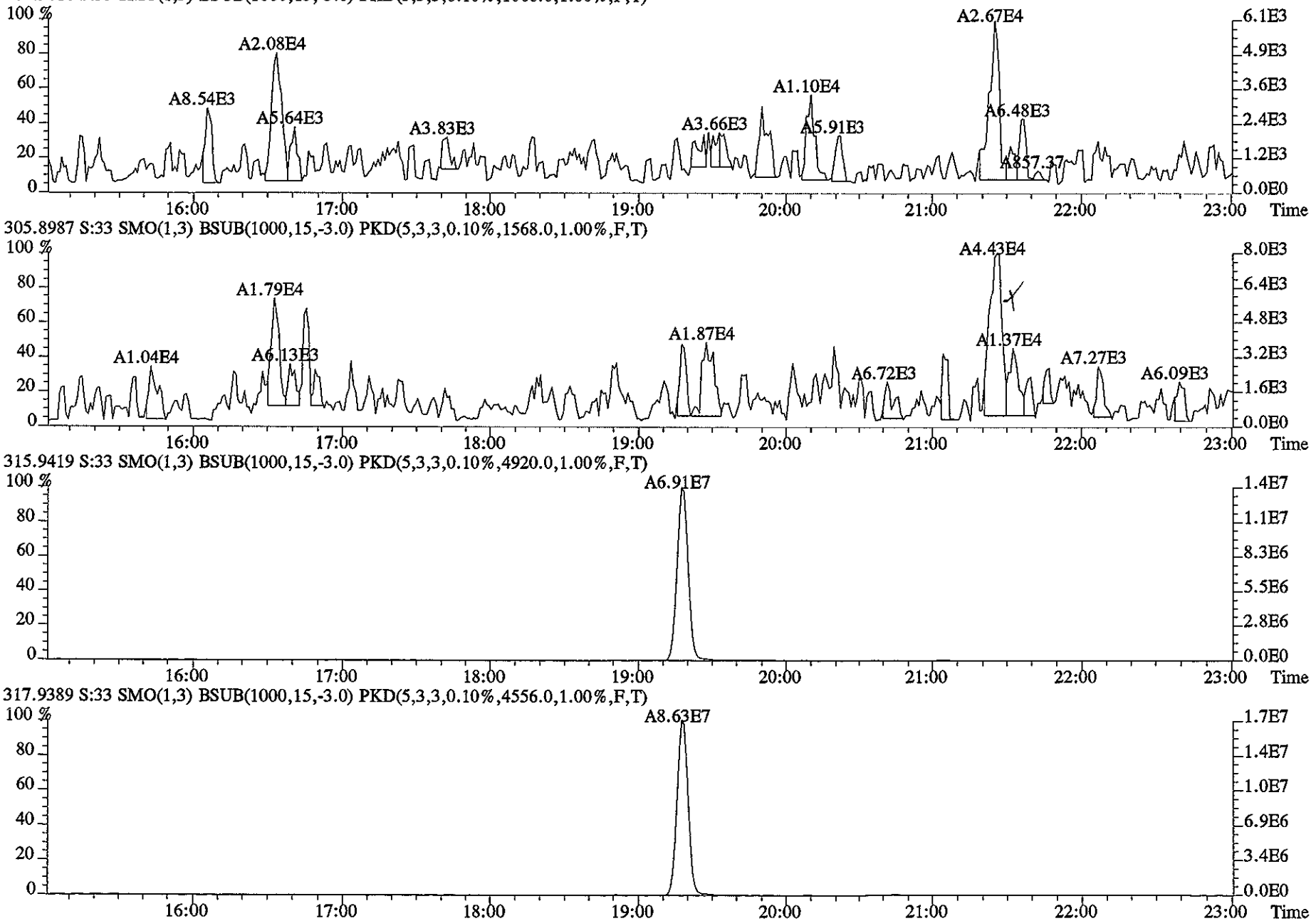
Run Text: L6L6Q-1-AA Sample text: L6L6Q-1-AA :G0I040476-1MB

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:7
Run: 18 File: 13SE10A4D5 S:33 Acq:14-SEP-10 10:59:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

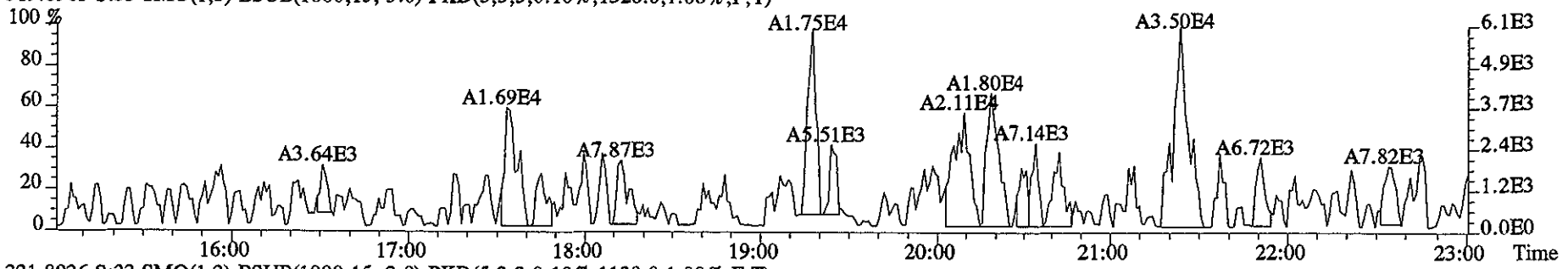
Amount:	95.15 of which	20.35 named and	74.80	unnamed
Conc:	190.30 of which	40.70 named and	149.60	unnamed

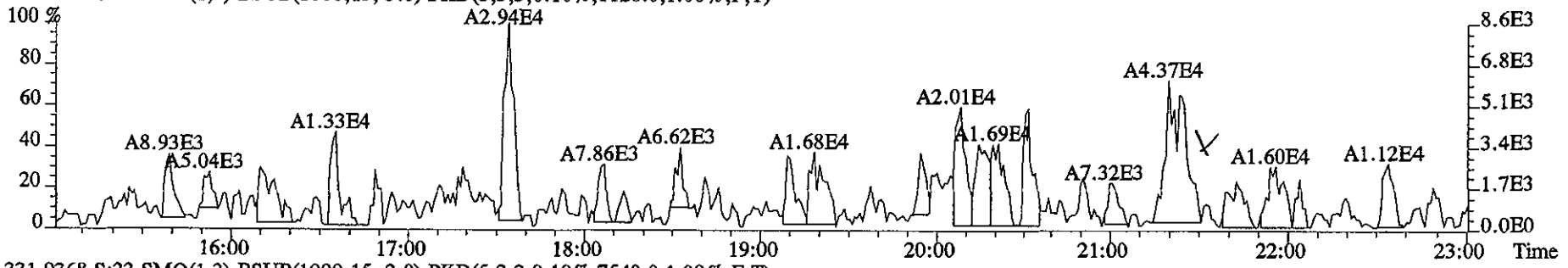
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	35:12	1.25	n	14.80	146734	4.2	y	n
						117856	3.4	y	n
1,2,3,4,6,7,8-HpCDD	2	35:42	1.10	y	40.70	346370	9.2	y	n
						314726	8.6	y	n
	3	36:14	1.30	n	9.37	96803	3.0	y	n
						74610	2.3	n	n
	4	36:25	1.11	y	37.13	317805	6.6	y	n
						285397	5.5	y	n
	5	36:39	0.49	n	27.26	225767	8.1	y	n
						458200	6.6	y	n
	6	36:43	0.64	n	35.32	292518	6.7	y	n
						458200	6.6	y	n
	7	36:56	1.23	n	25.71	250866	4.6	y	n
						204728	3.9	y	n

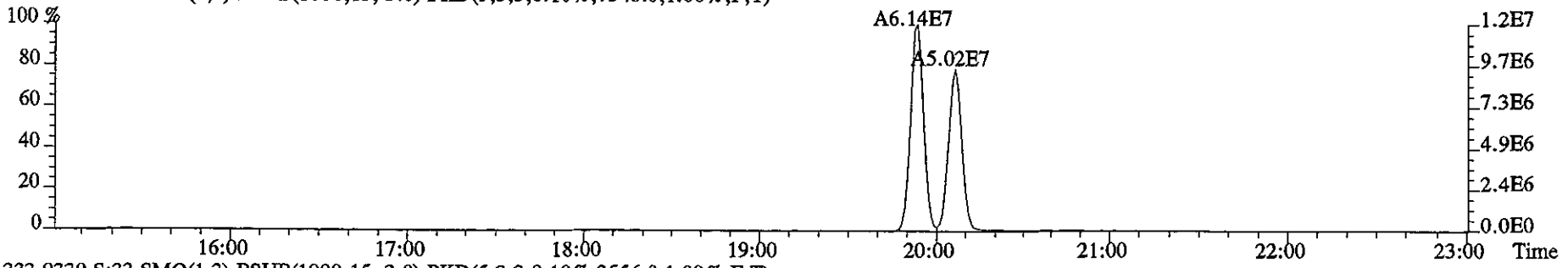
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

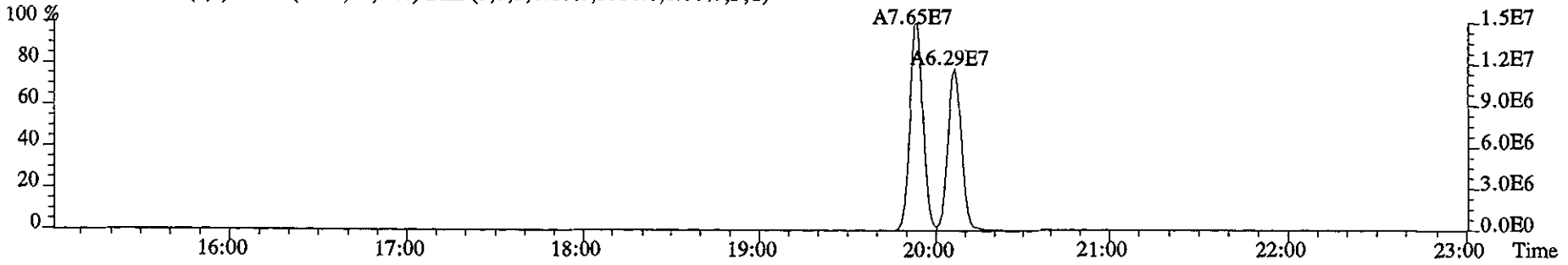


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

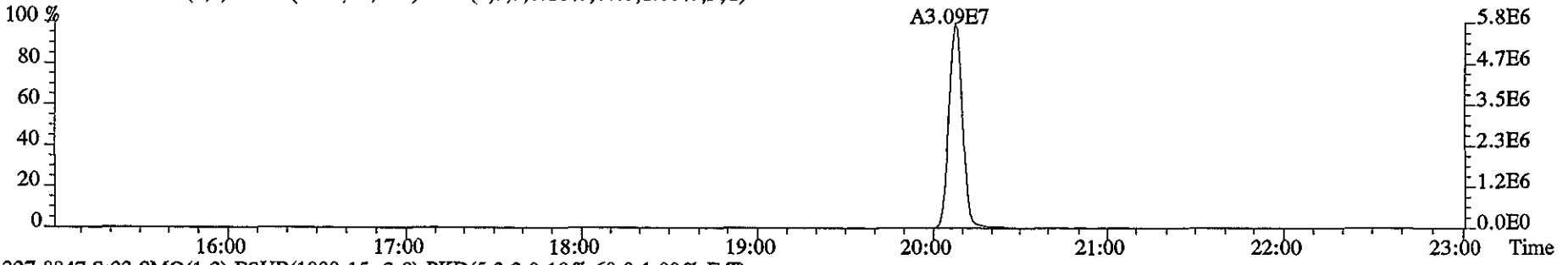


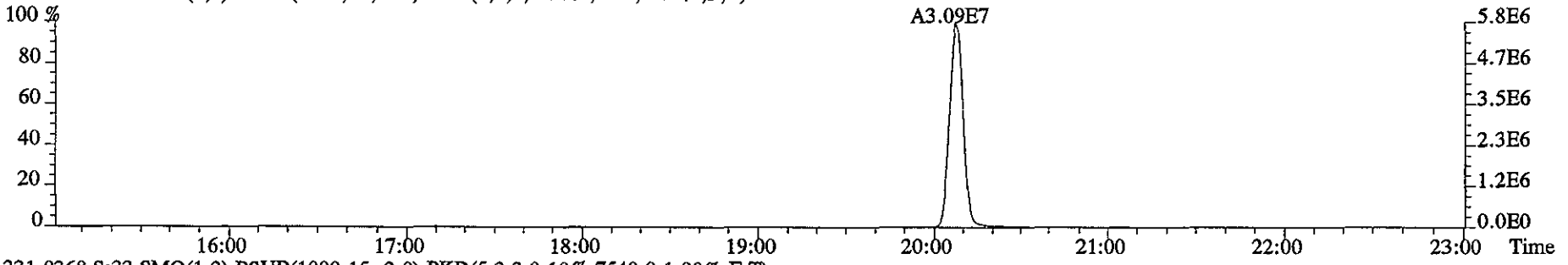


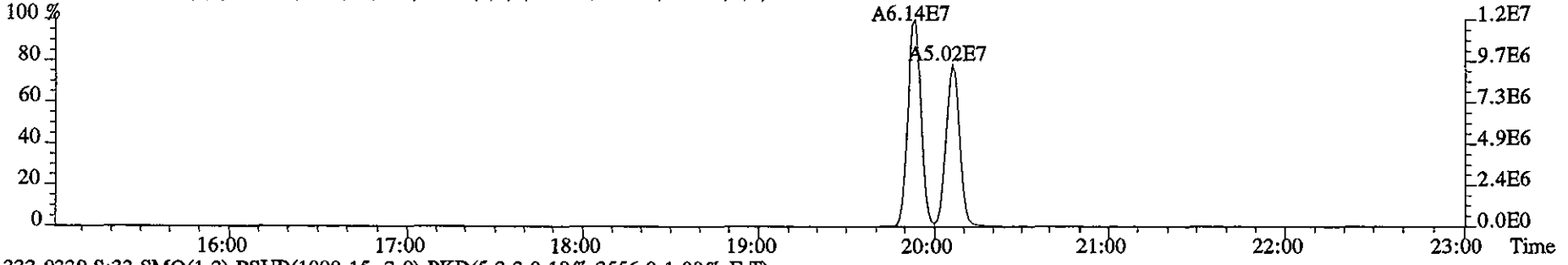


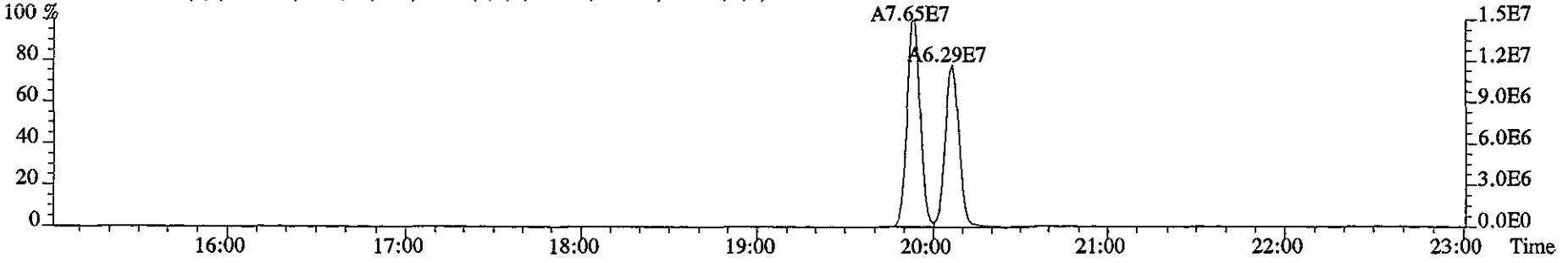


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

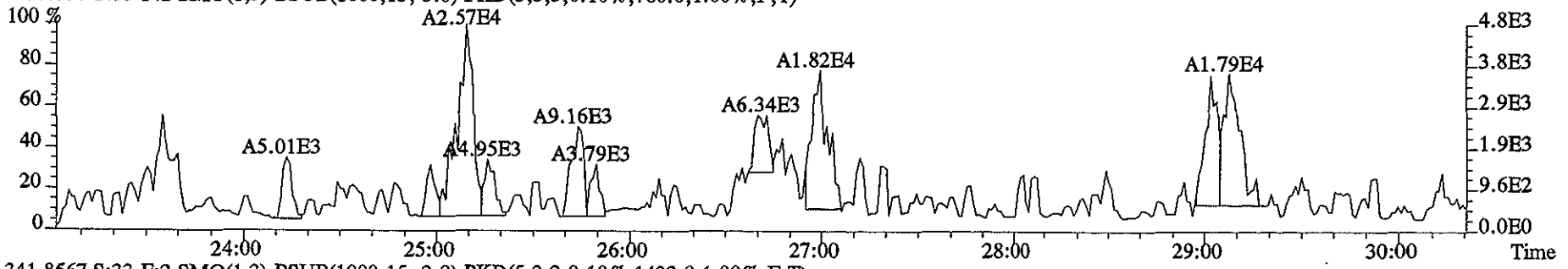


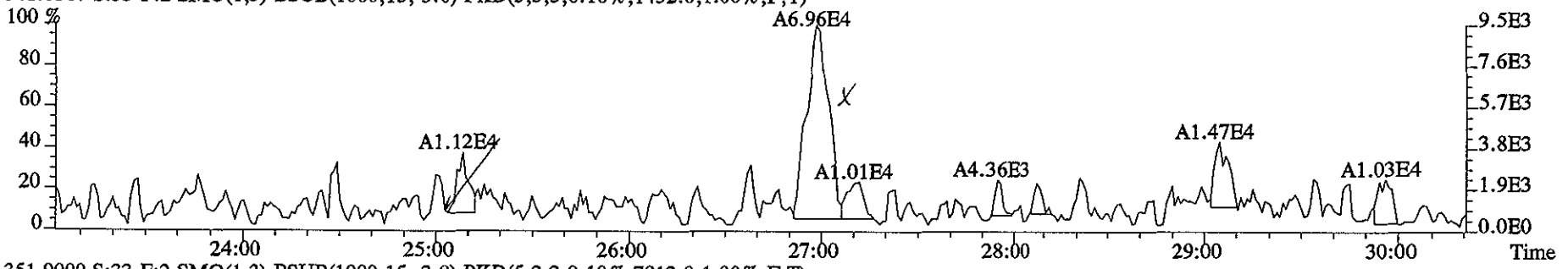


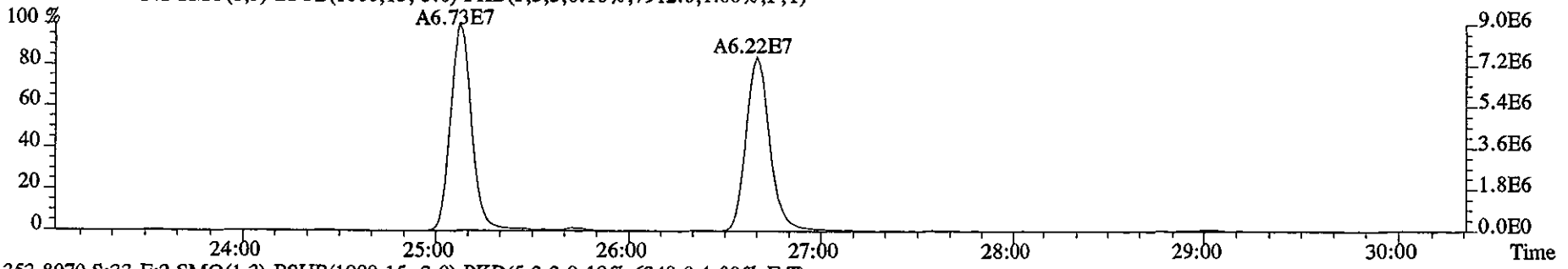


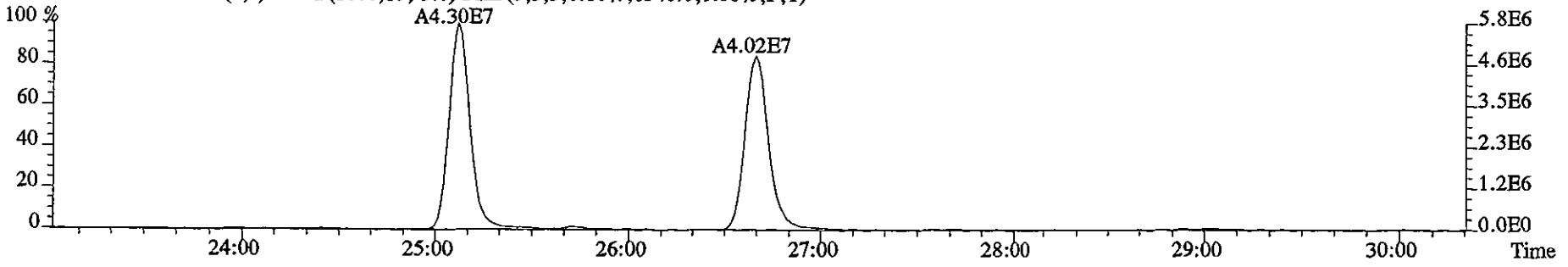


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

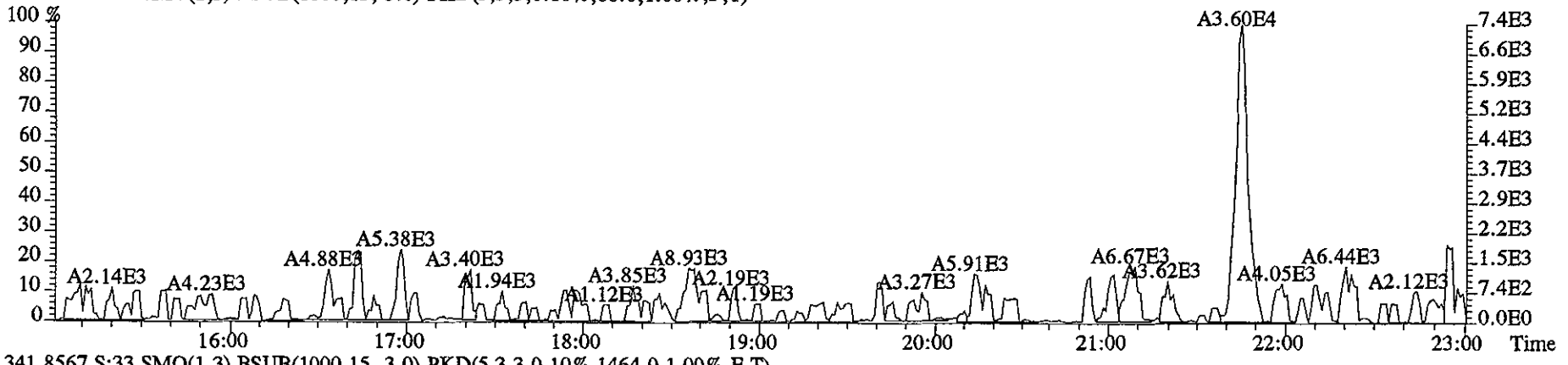




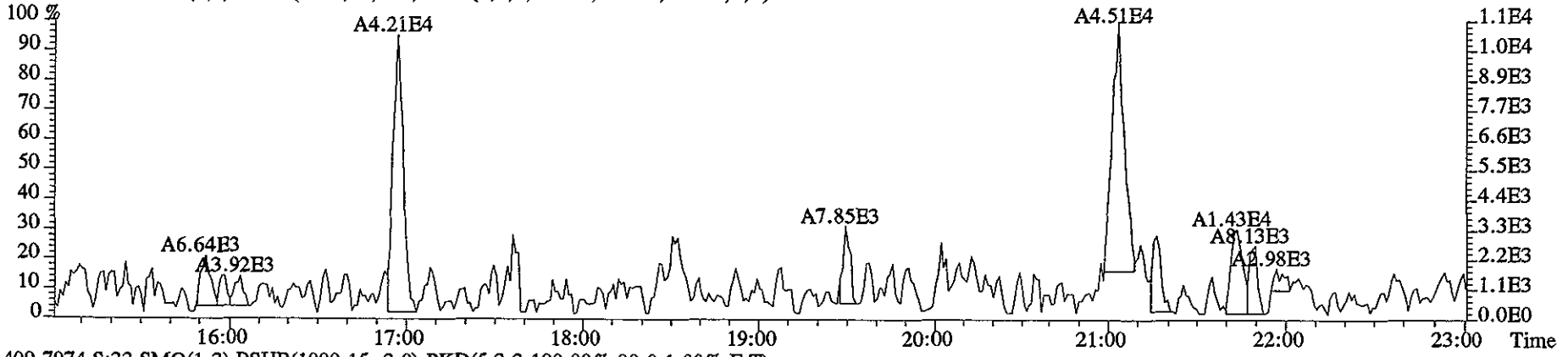




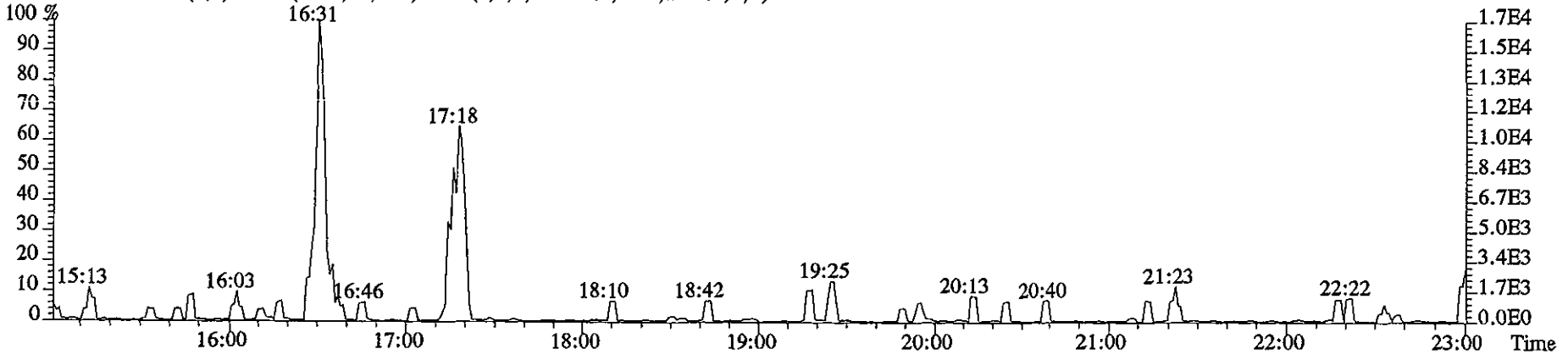
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES
339.8597 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



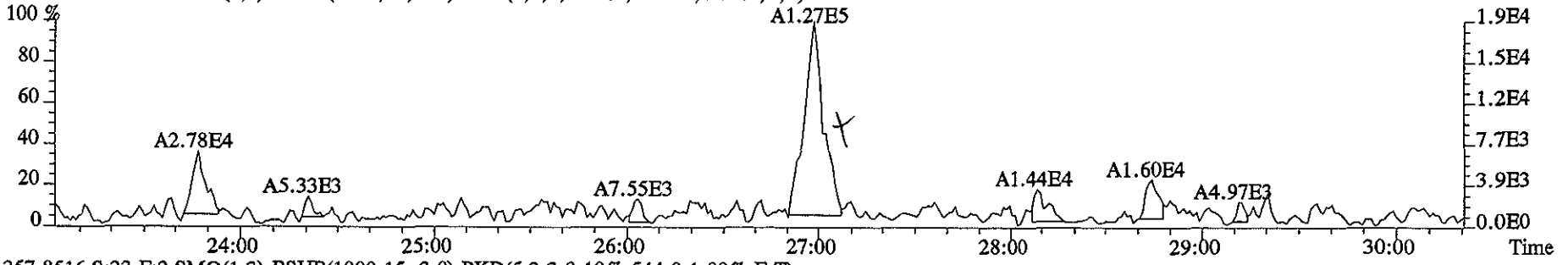
341.8567 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1464.0,1.00%,F,T)

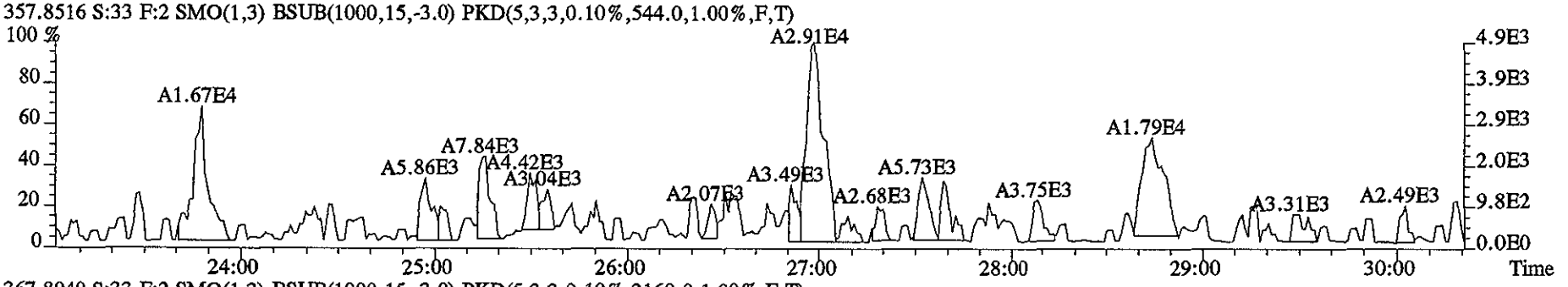


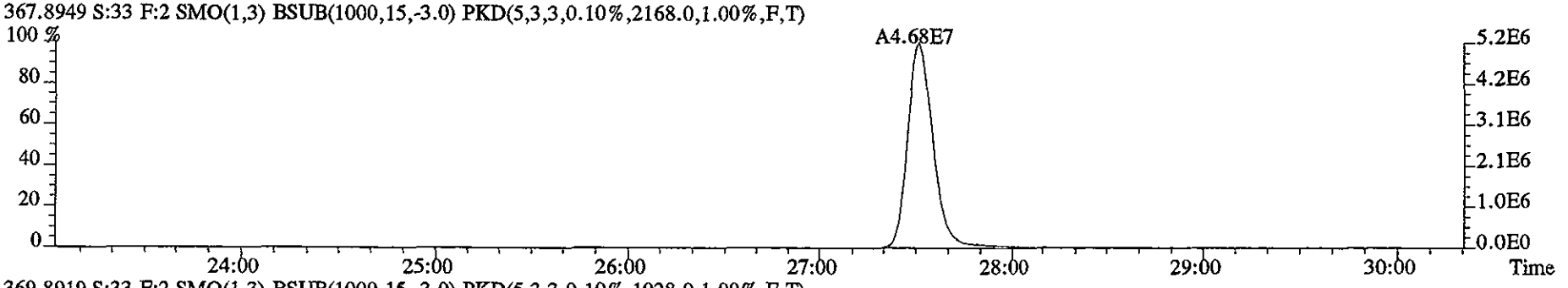
409.7974 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)

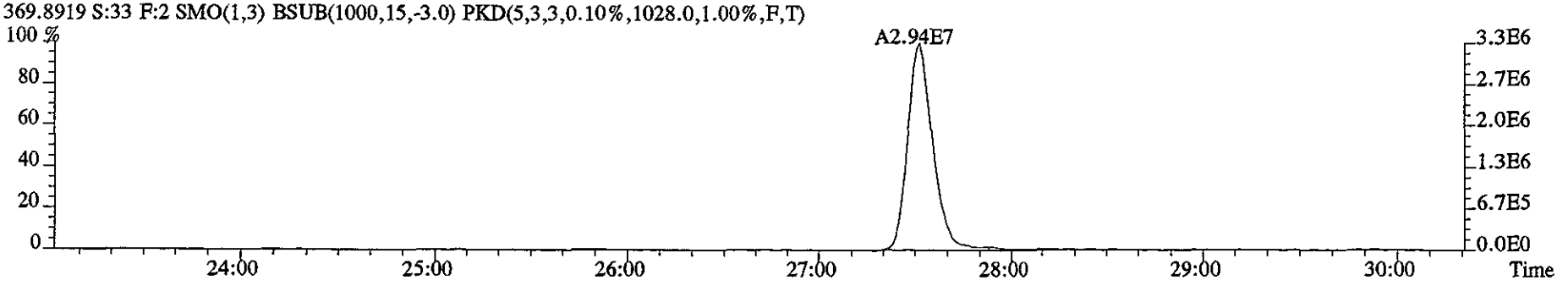


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

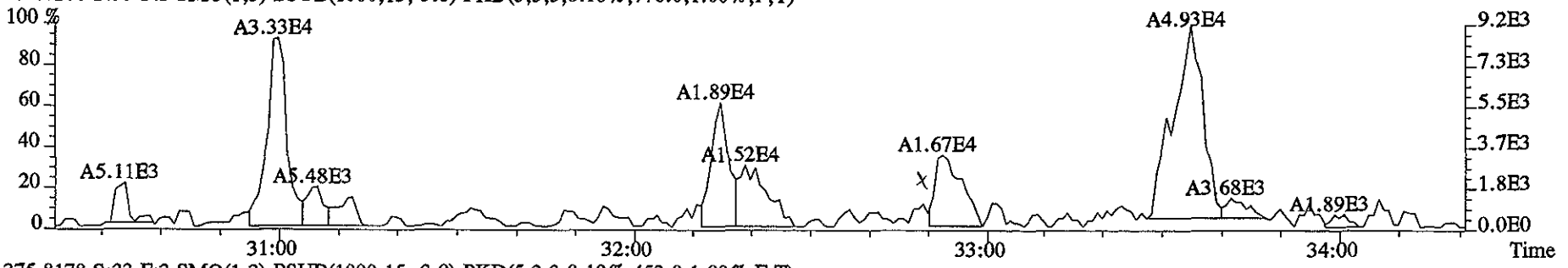


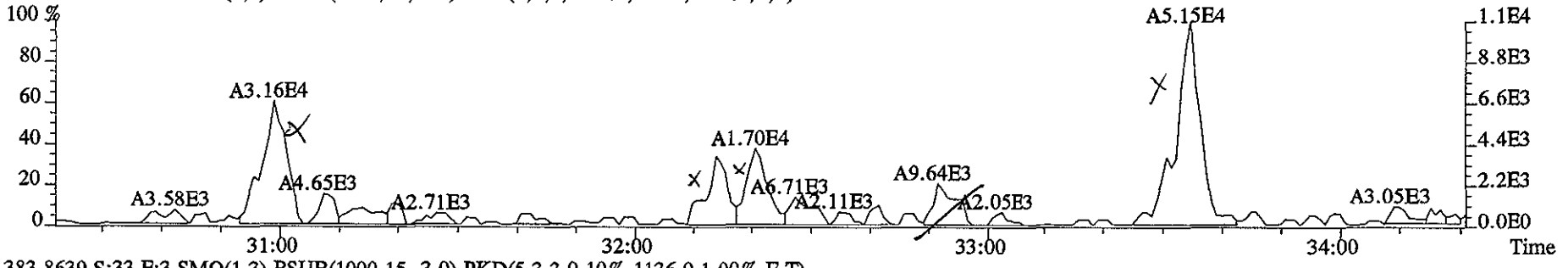


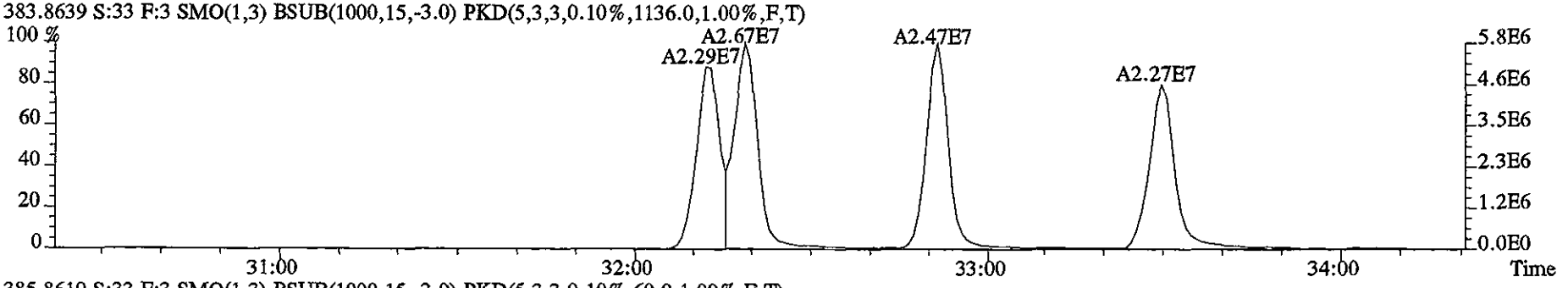


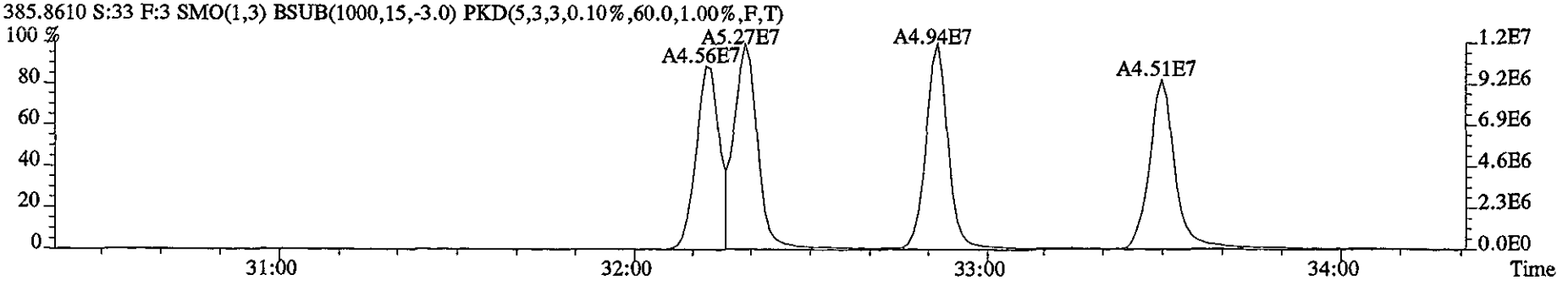


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

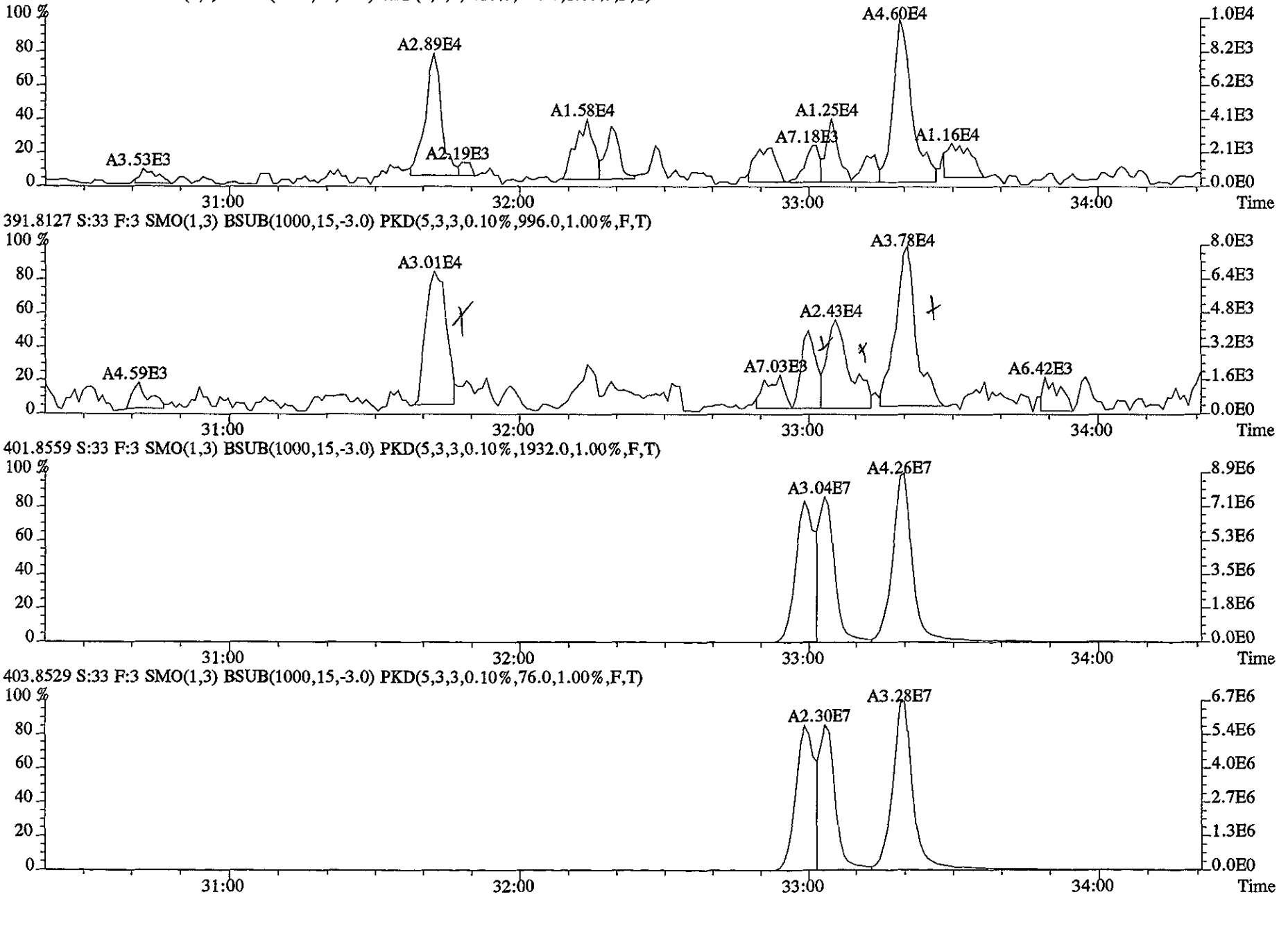




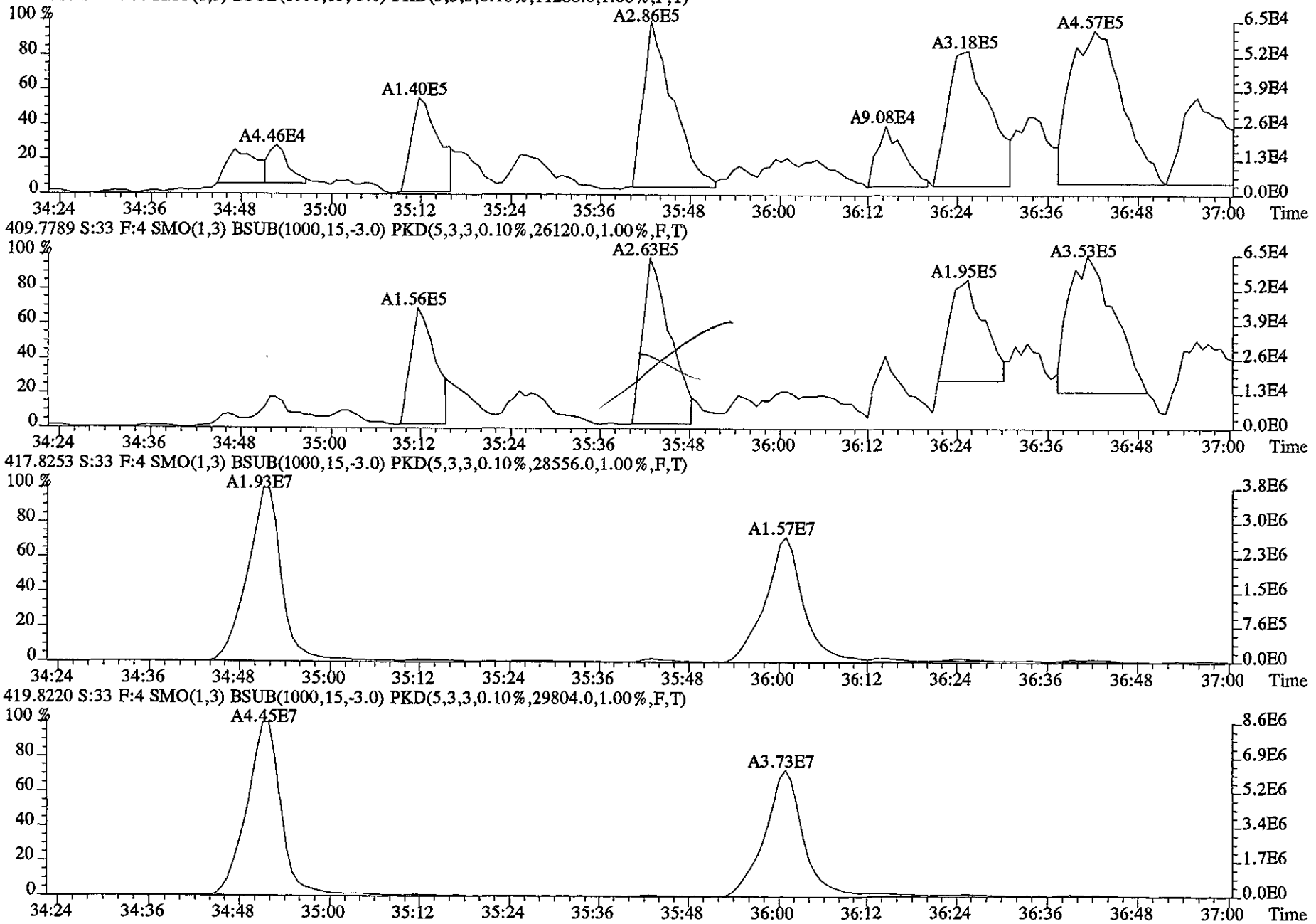




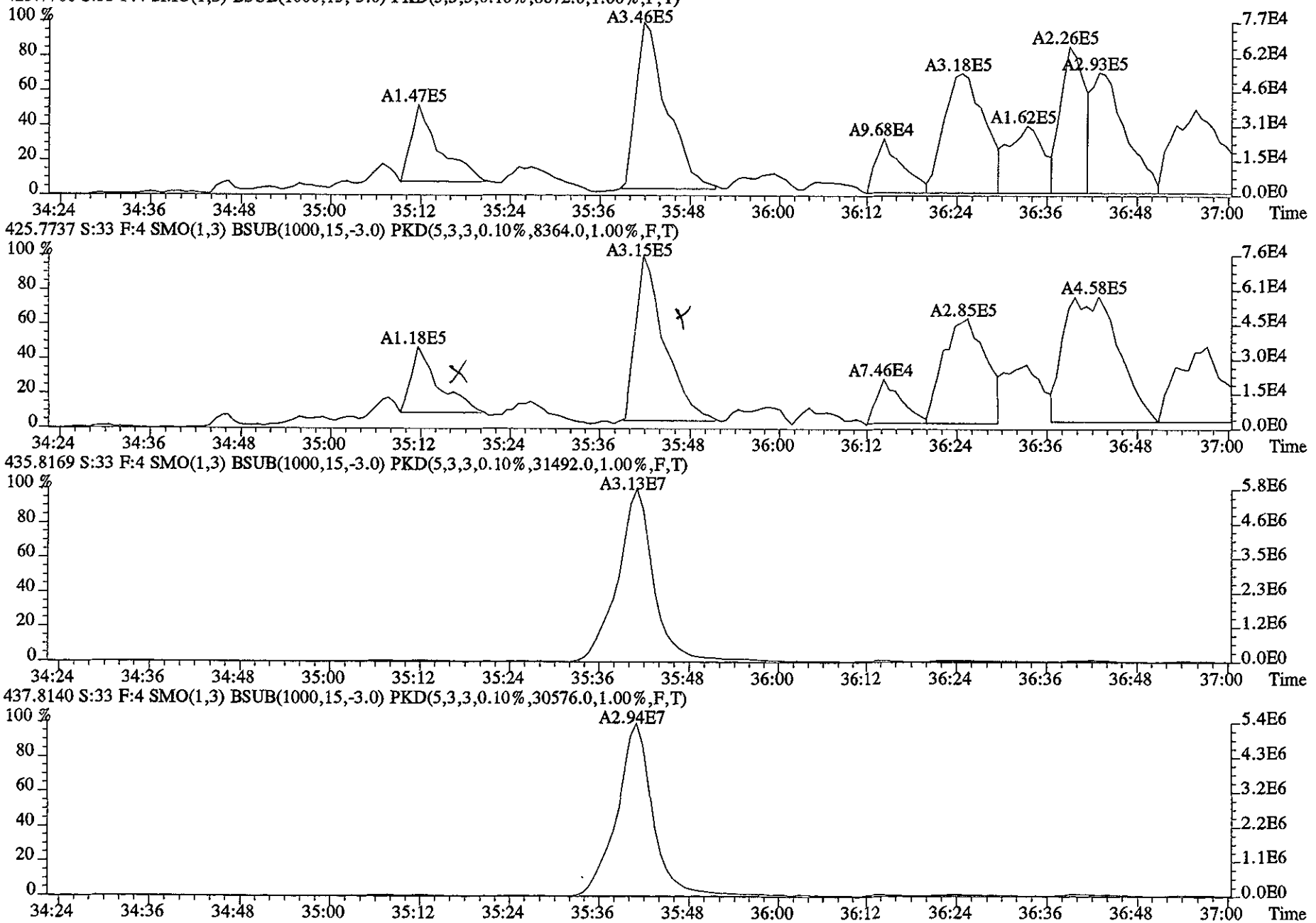
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



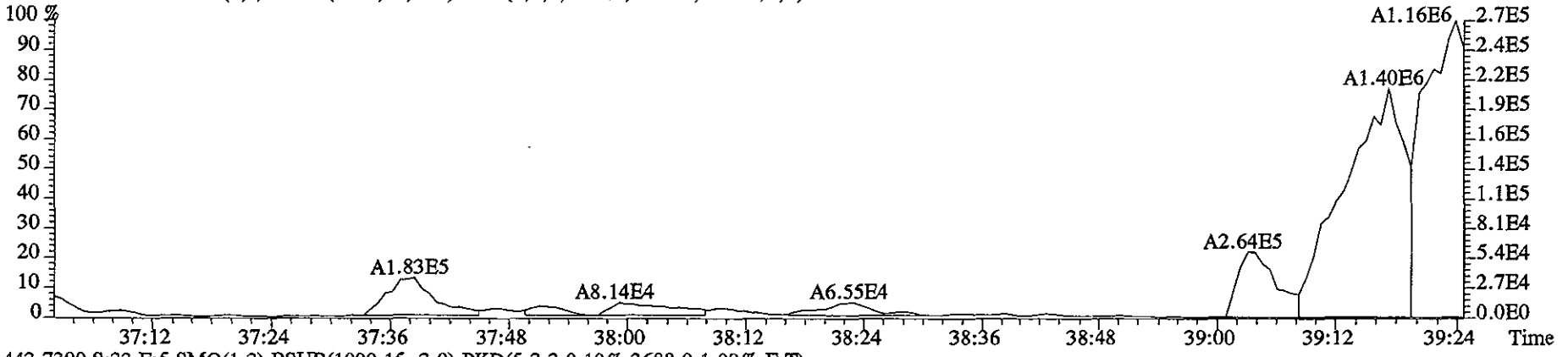
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



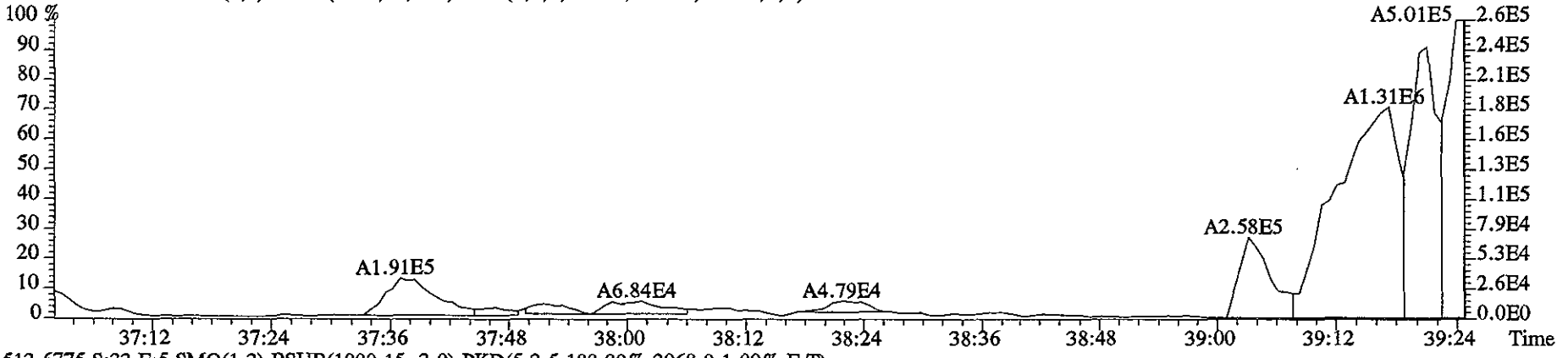
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



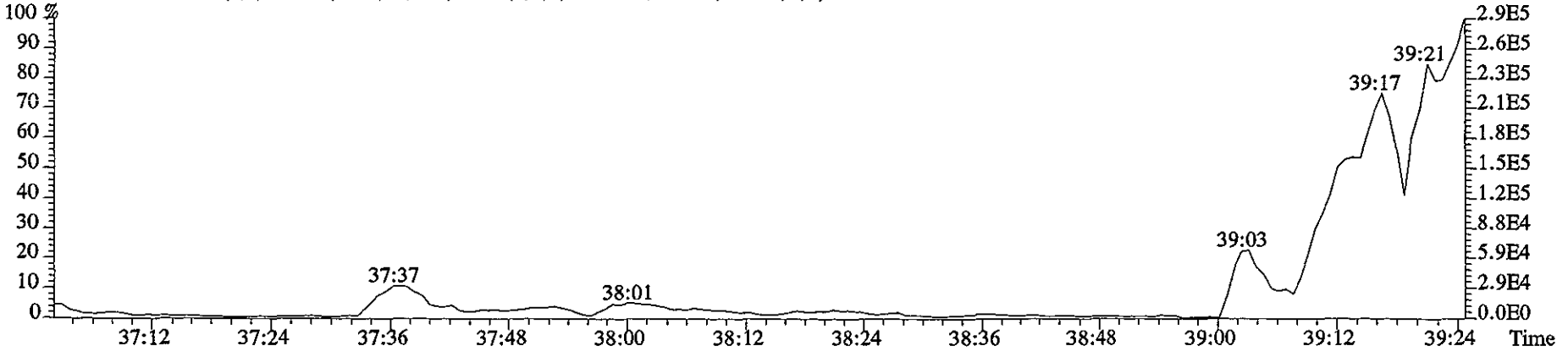
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES
441.7428 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



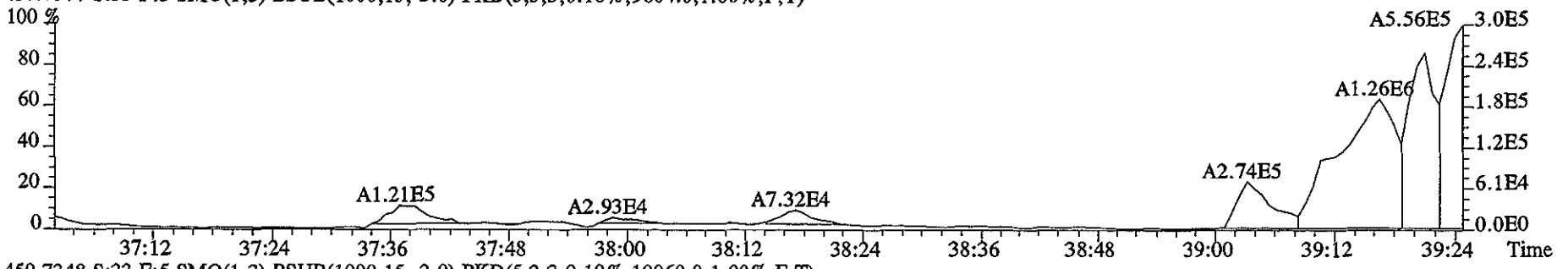
443.7399 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3688.0,1.00%,F,T)

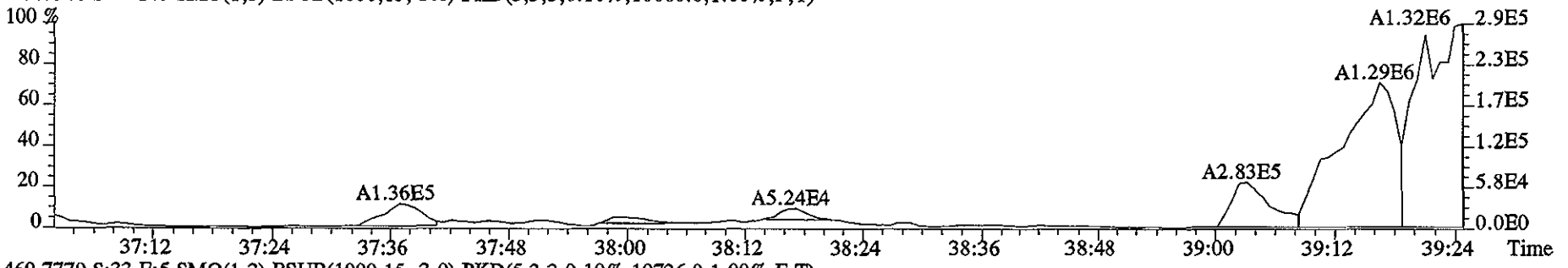


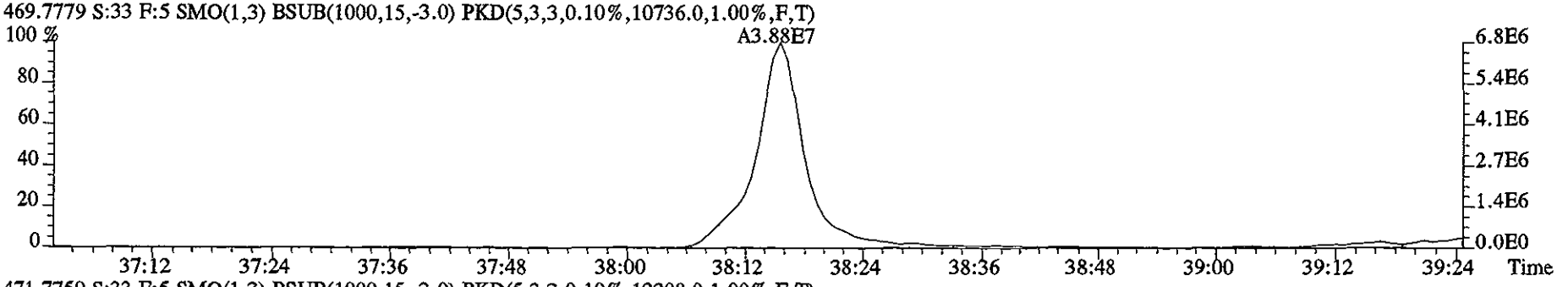
513.6775 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2968.0,1.00%,F,T)

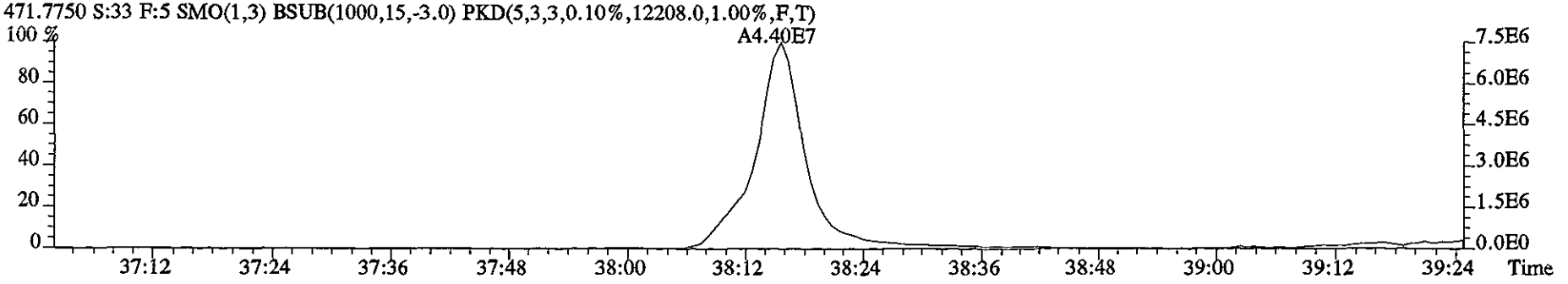


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

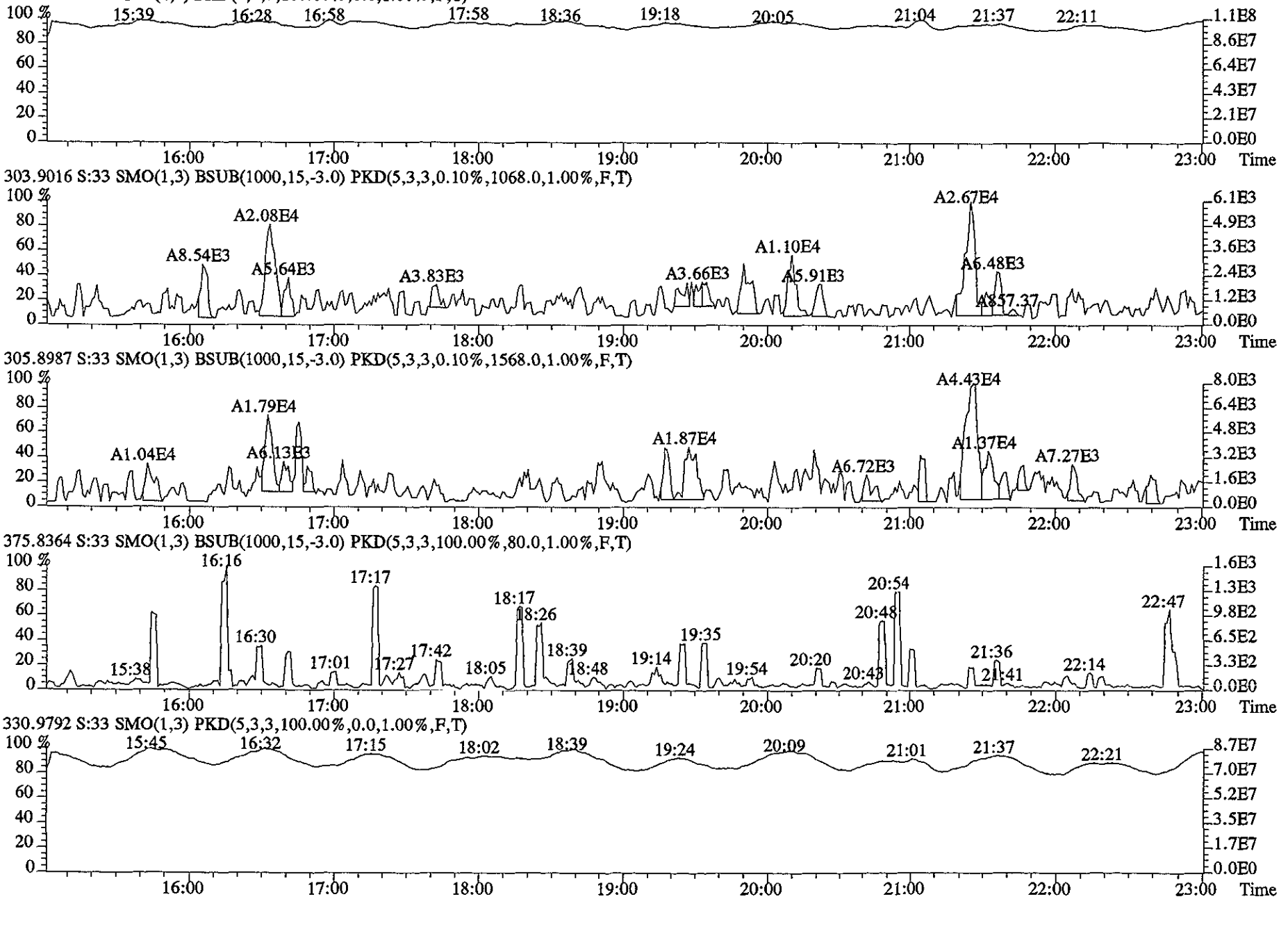




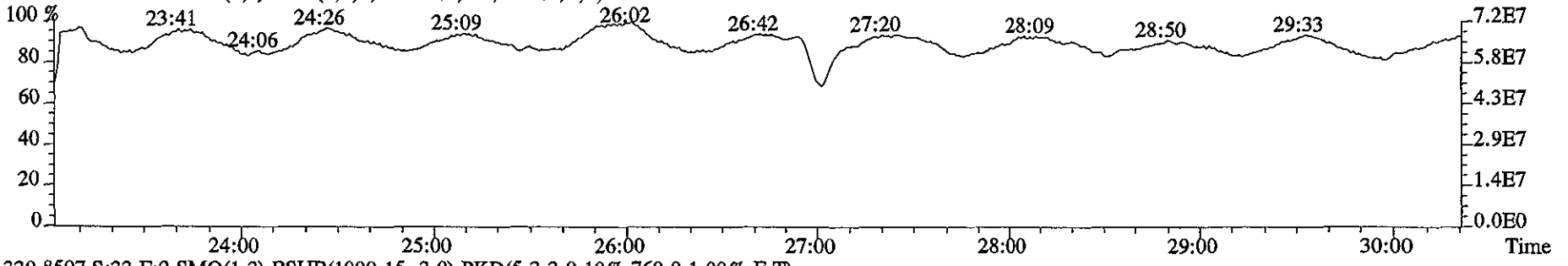


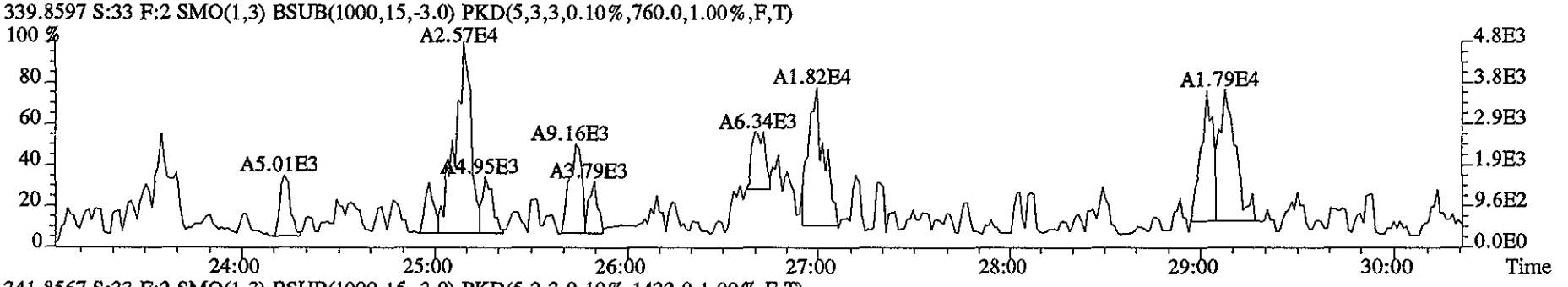


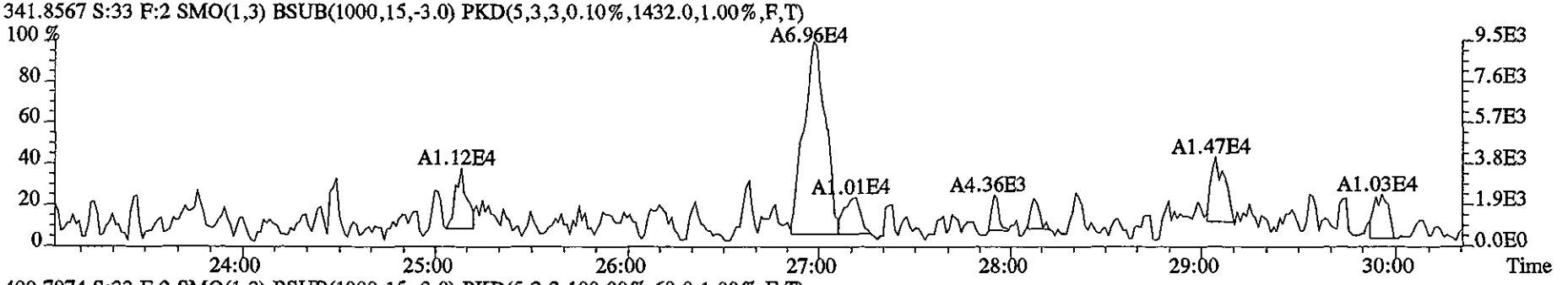
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

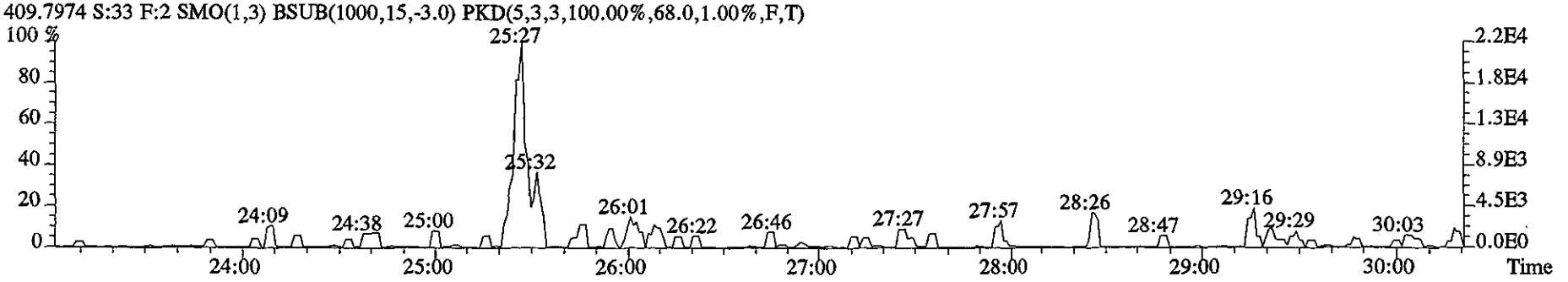


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

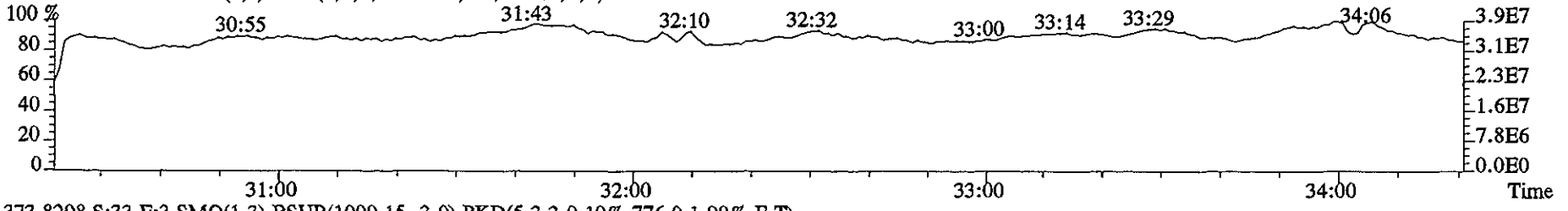


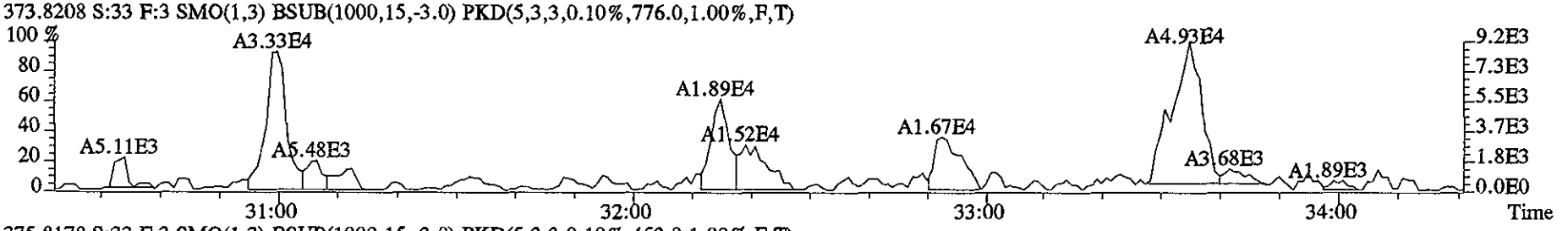


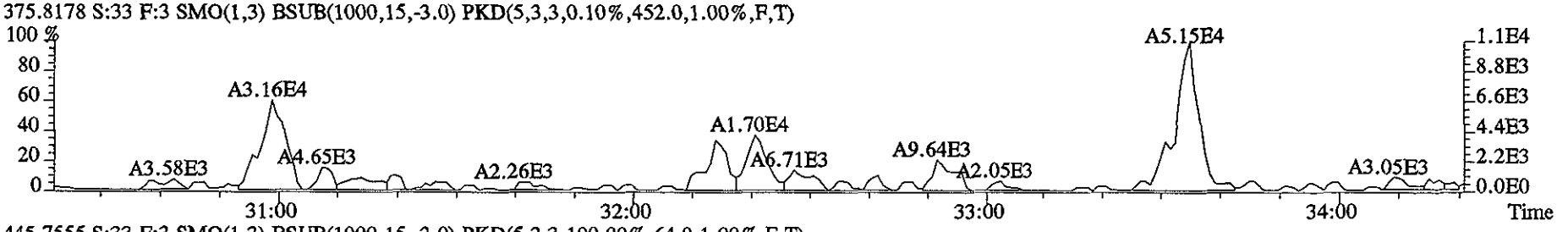


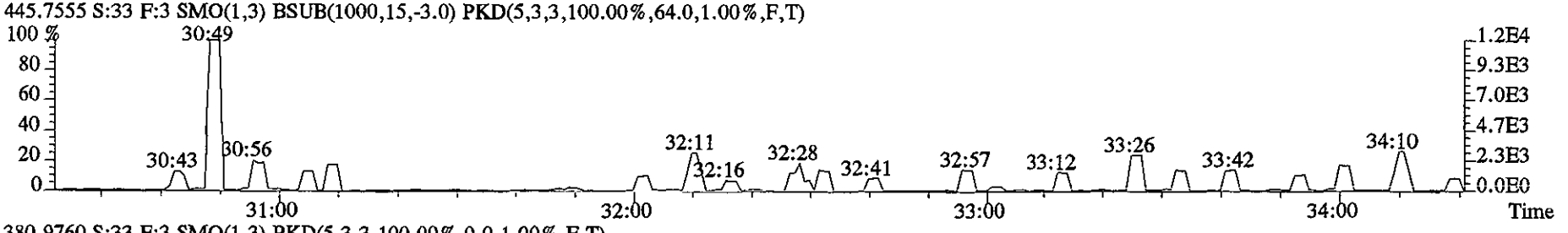


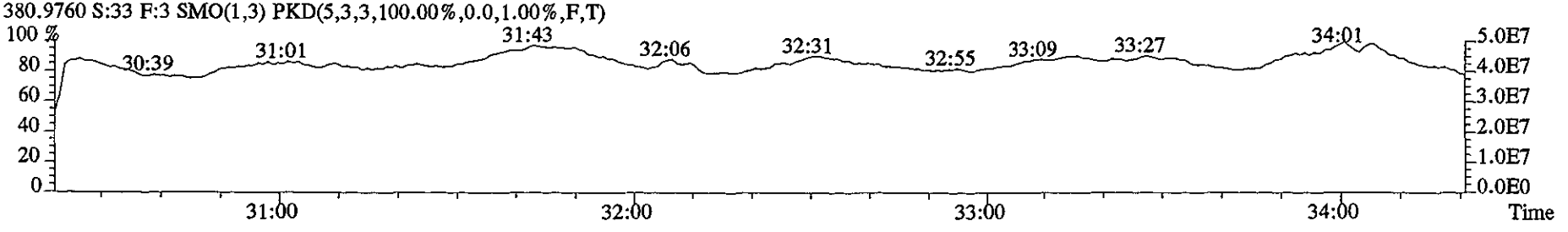
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



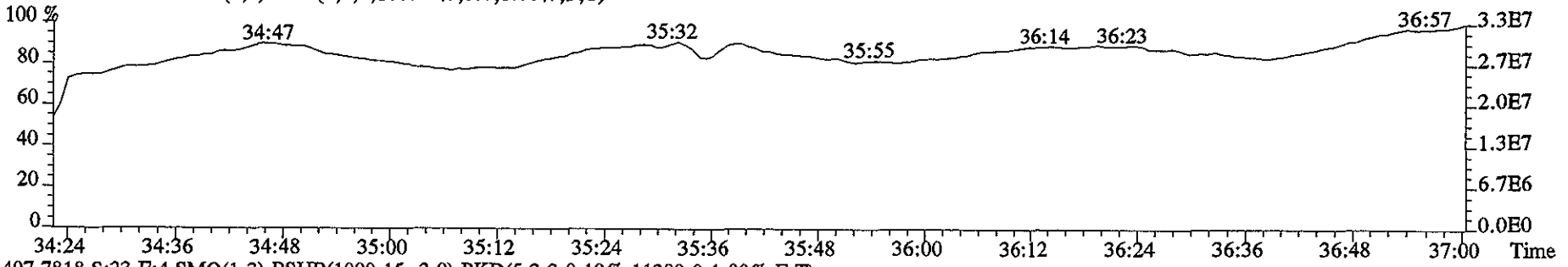




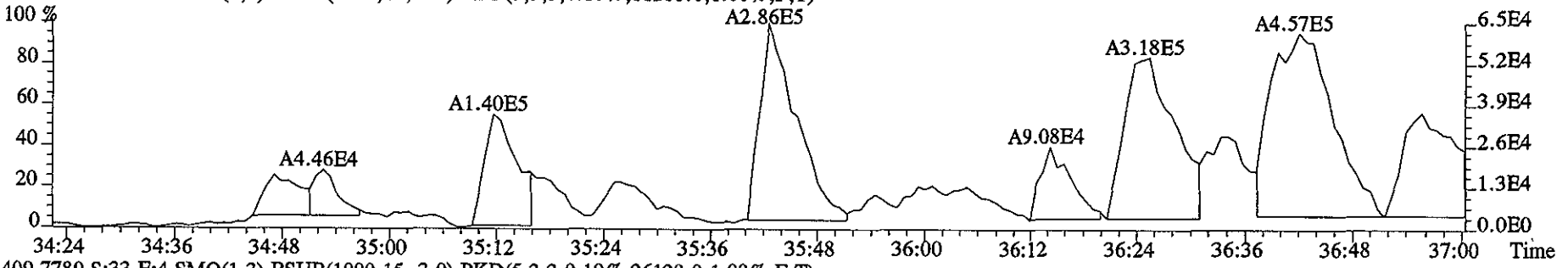




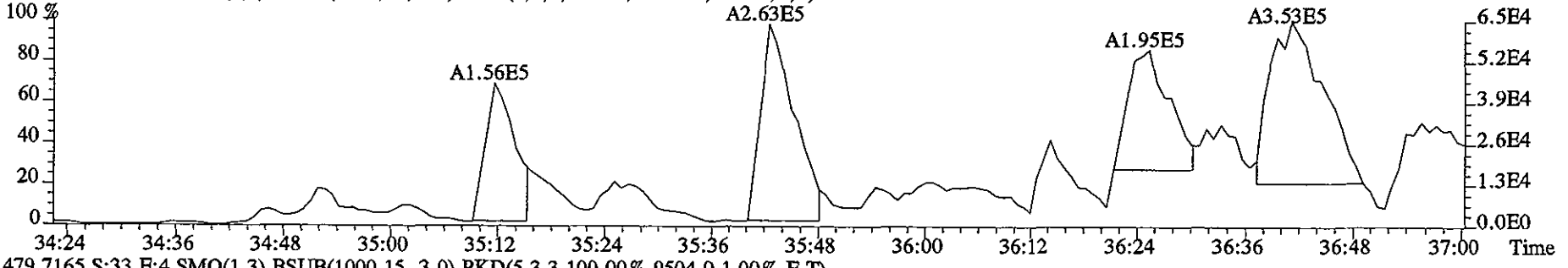
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES
430.9728 S:33 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



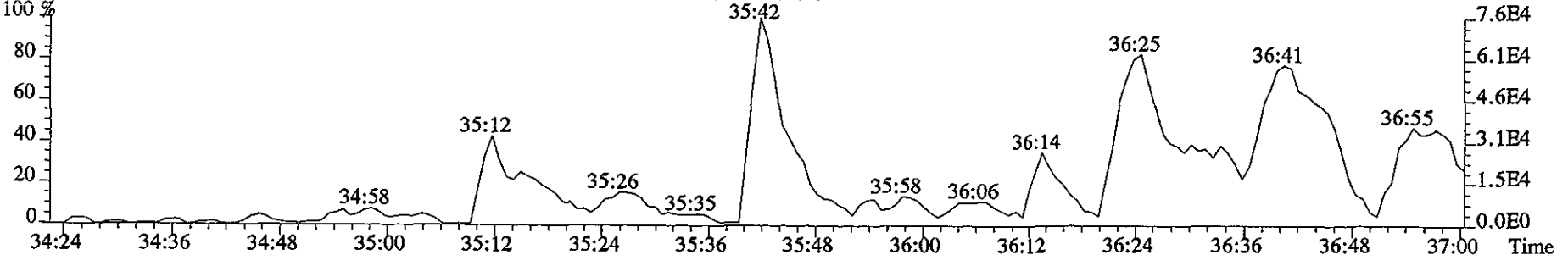
407.7818 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11288.0,1.00%,F,T)



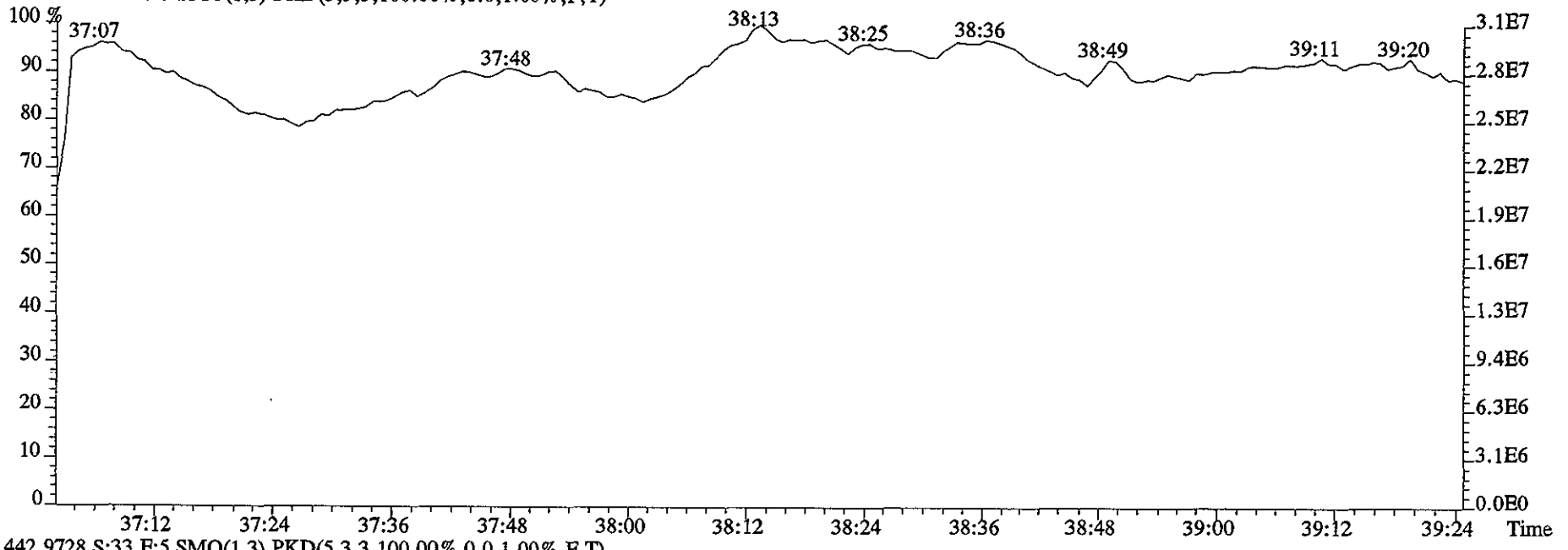
409.7789 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26120.0,1.00%,F,T)



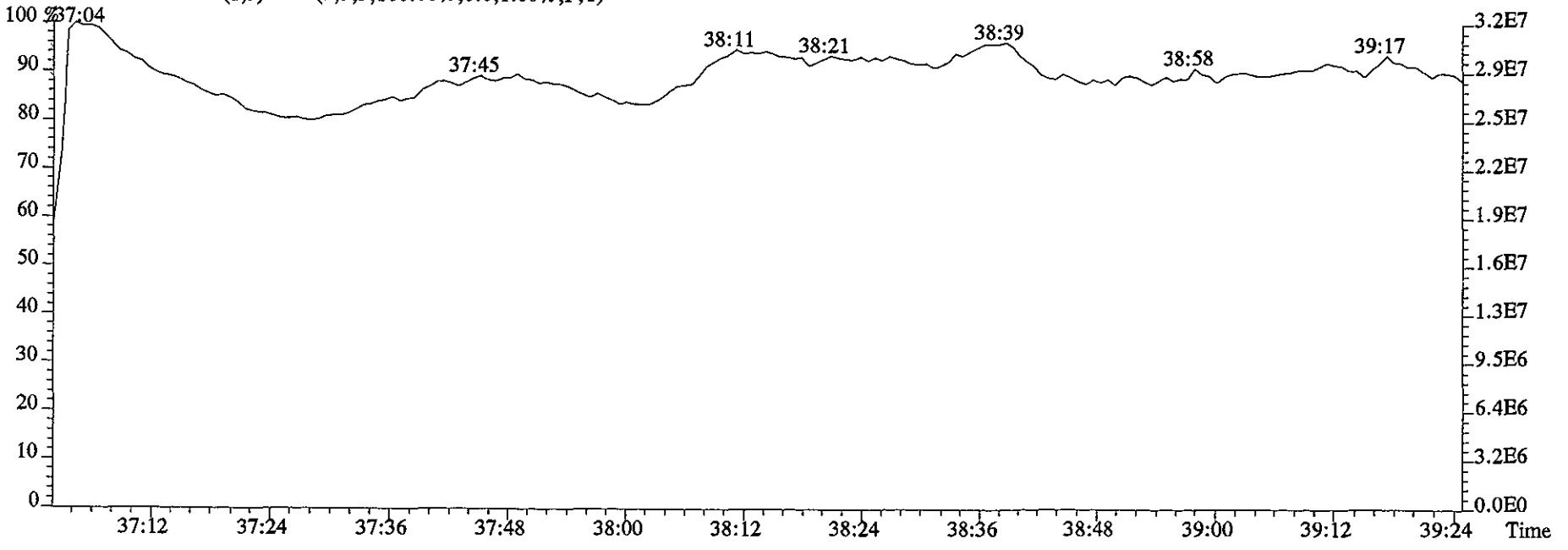
479.7165 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,9504.0,1.00%,F,T)



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES
454.9728 S:33 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:33 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



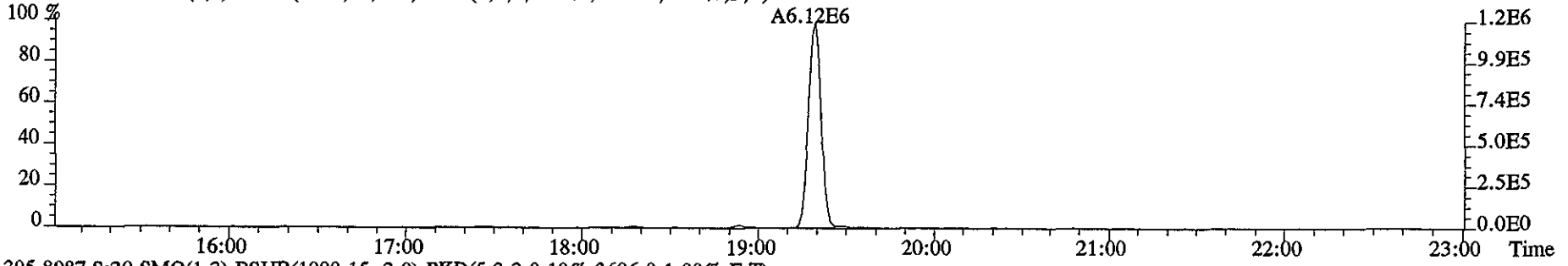
Run text: L6L6Q-1-AC Sample text: L6L6Q-1-AC :G0I040476-1LCS
Run #14 Filename: 13SE10A4D5 S: 29 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 08:00:52 Processed: 14-SEP-10 10:03:27
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 sam

AK 9/15/10

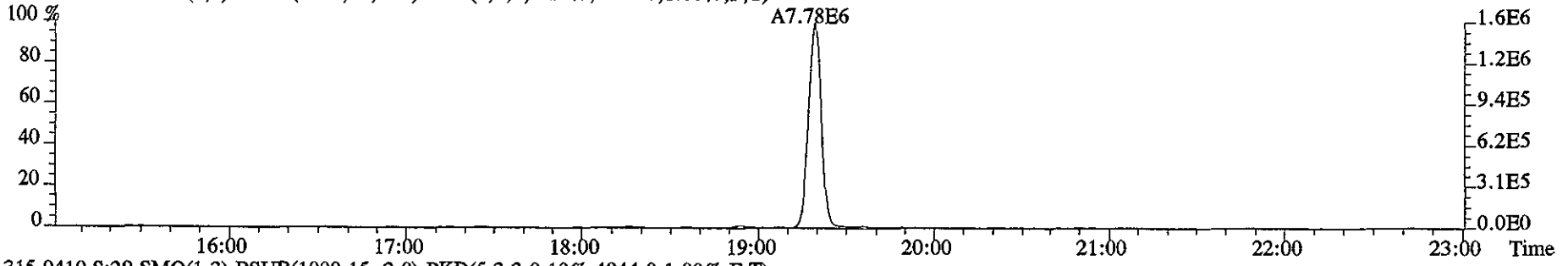
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	128538600	0.80	y	19:54	-	76.971		-	-	n
13C-2,3,7,8-TCDF	150064100	0.80	y	19:18	1.23	3798.658		3.457	95.0	n
2,3,7,8-TCDF	13898360	0.79	y	19:19	0.99	372.509		1.668	-	n
Total TCDF	14109043	1.02	n	18:17	0.99	378.155		1.668	-	n
13C-2,3,7,8-TCDD	108300600	0.78	y	20:06	0.91	3723.763		6.625	93.1	n
2,3,7,8-TCDD	10589200	0.77	y	20:08	0.98	397.679		1.539	-	n
Total TCDD	10734362	0.53	n	18:51	0.98	403.130		1.539	-	n
37Cl-2,3,7,8-TCDD	241676	1.00	y	20:09	1.33	6.731	NA	1.071	0.4	n
13C-1,2,3,7,8-PeCDF	106492600	1.56	y	25:08	0.88	3782.832		7.923	94.6	n
1,2,3,7,8-PeCDF	55808700	1.55	y	25:09	1.08	1947.035		4.383	-	n
2,3,4,7,8-PeCDF	52528700	1.52	y	26:42	1.05	1887.021		4.513	-	n
Total F2 PeCDF	109204431	1.06	n	23:32	1.06	3864.747		4.447	-	n
Total F1 PeCDF	21716	0.15	n	16:58	1.06	0.769		2.665	-	n
13C-1,2,3,7,8-PeCDD	71997500	1.58	y	27:31	0.66	3390.452		3.330	84.8	n
1,2,3,7,8-PeCDD	33652800	1.56	y	27:33	0.93	2020.253		7.102	-	n
Total PeCDD	33710687	4.57	n	27:00	0.93	2023.728		7.102	-	n
13C-1,2,3,7,8,9-HxCDD	73874900	1.29	y	33:19	-	62.395		-	-	n
13C-1,2,3,4,7,8-HxCDF	62966800	0.50	y	32:13	1.04	3263.226		15.489	81.6	n
1,2,3,4,7,8-HxCDF	42281000	1.16	y	32:14	1.22	2206.574		1.345	-	n
1,2,3,6,7,8-HxCDF	41495600	1.16	y	32:21	1.28	2056.777		1.277	-	n
2,3,4,6,7,8-HxCDF	42123800	1.16	y	32:52	1.23	2169.532		1.327	-	n
1,2,3,7,8,9-HxCDF	36983400	1.13	y	33:31	1.10	2139.378		1.491	-	n
Total HxCDF	163171900	1.36	y	31:11	1.21	8587.416		1.355	-	n
13C-1,2,3,6,7,8-HxCDD	54948500	1.31	y	33:04	0.83	3581.188		4.618	89.5	n
1,2,3,4,7,8-HxCDD	27803200	1.22	y	33:00	1.04	1951.381		1.486	-	n
1,2,3,6,7,8-HxCDD	30582600	1.30	y	33:05	1.16	1914.592		1.325	-	n
1,2,3,7,8,9-HxCDD	33836800	1.26	y	33:20	1.18	2084.392		1.304	-	n
Total HxCDD	92222600	1.22	y	33:00	1.13	5950.365		1.367	-	n
13C-1,2,3,4,6,7,8-HpCDF	62028700	0.44	y	34:51	0.91	3690.657		20.389	92.3	n
1,2,3,4,6,7,8-HpCDF	43457100	1.04	y	34:52	1.35	2082.359		6.740	-	n
1,2,3,4,7,8,9-HpCDF	35779000	1.07	y	36:02	1.09	2110.089		8.296	-	n
Total HpCDF	80270008	1.04	y	34:52	1.22	4247.115		7.437	-	n
13C-1,2,3,4,6,7,8-HpCDD	58669500	1.03	y	35:40	0.83	3843.058		14.311	96.1	n
1,2,3,4,6,7,8-HpCDD	31704900	1.03	y	35:41	1.07	2016.983		4.793	-	n
Total HpCDD	31928507	1.00	y	35:07	1.07	2031.208		4.793	-	n
13C-OCDD	81124300	0.88	y	38:16	0.62	7085.877		4.672	88.6	n
OCDF	55104600	0.91	y	38:24	1.37	3965.629		5.967	-	n
OCDD	44842400	0.90	y	38:16	1.20	3687.174		3.284	-	n

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

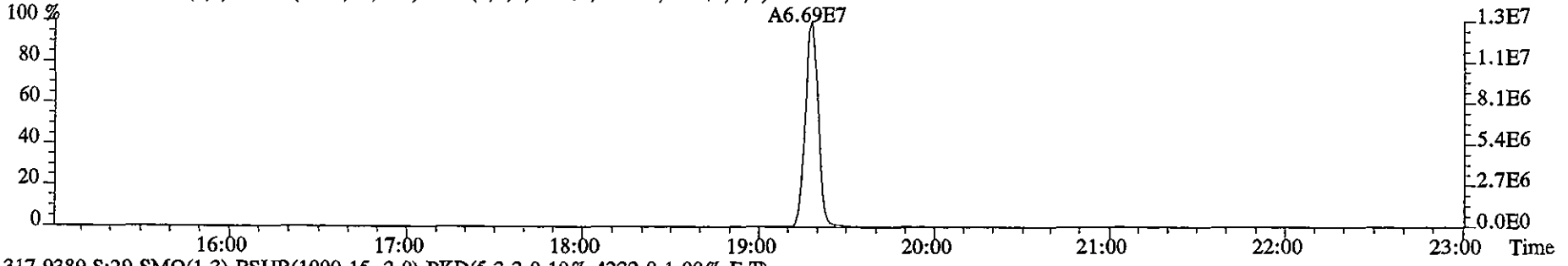
303.9016 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1452.0,1.00%,F,T)



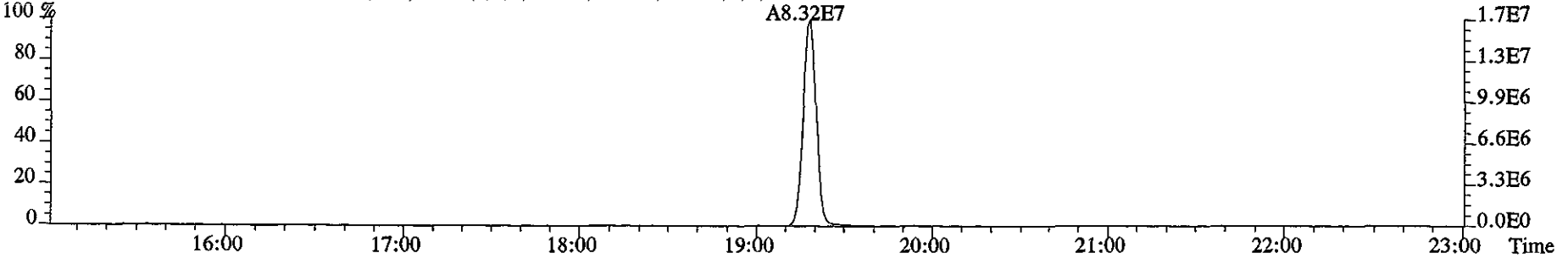
305.8987 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2696.0,1.00%,F,T)



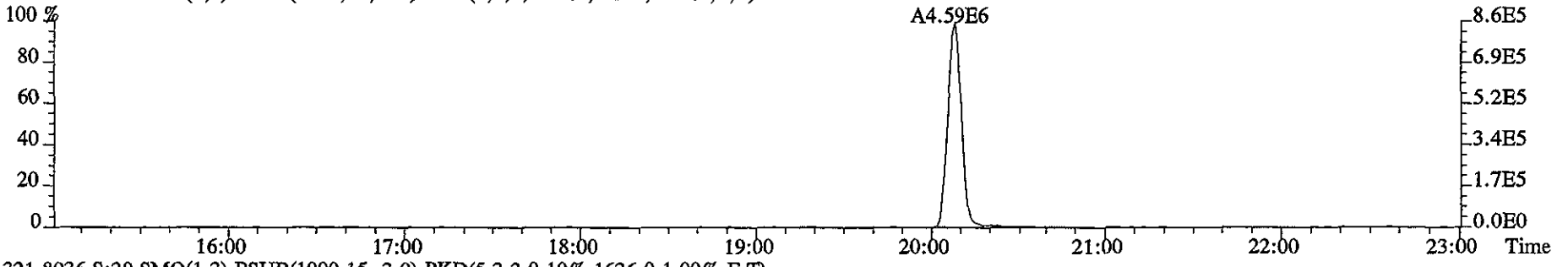
315.9419 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4944.0,1.00%,F,T)

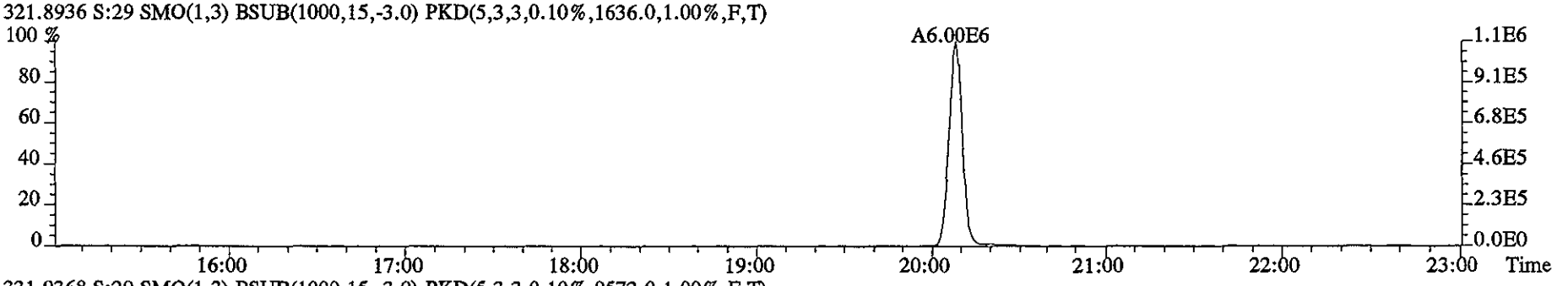


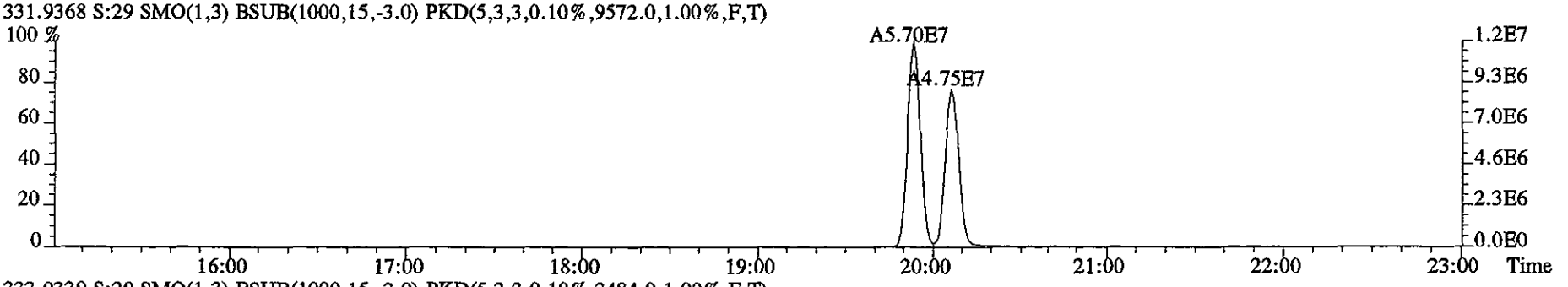
317.9389 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4332.0,1.00%,F,T)

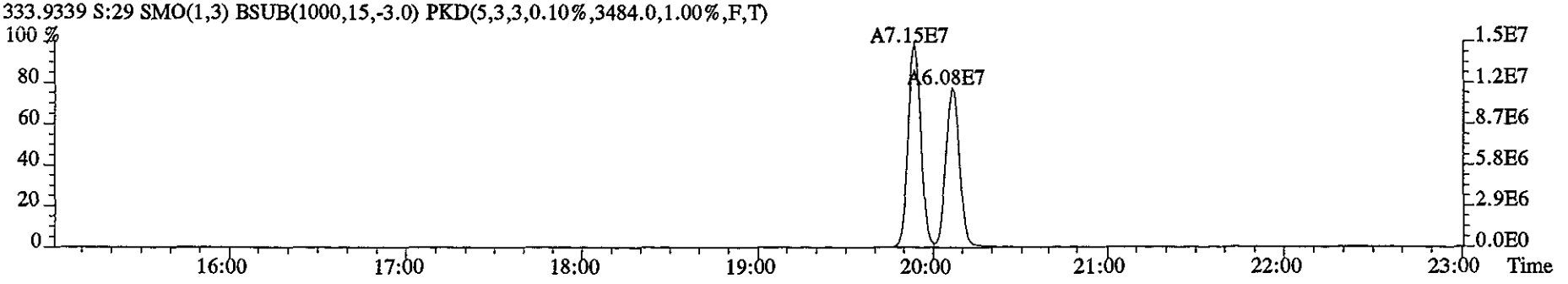


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

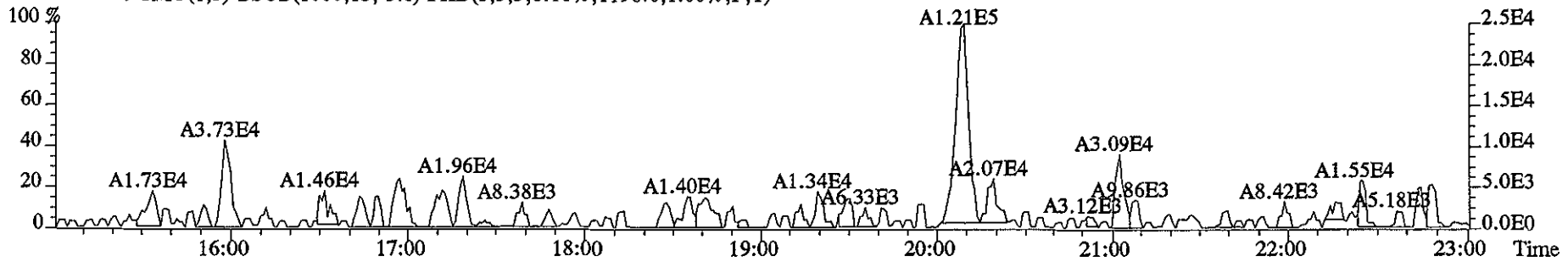


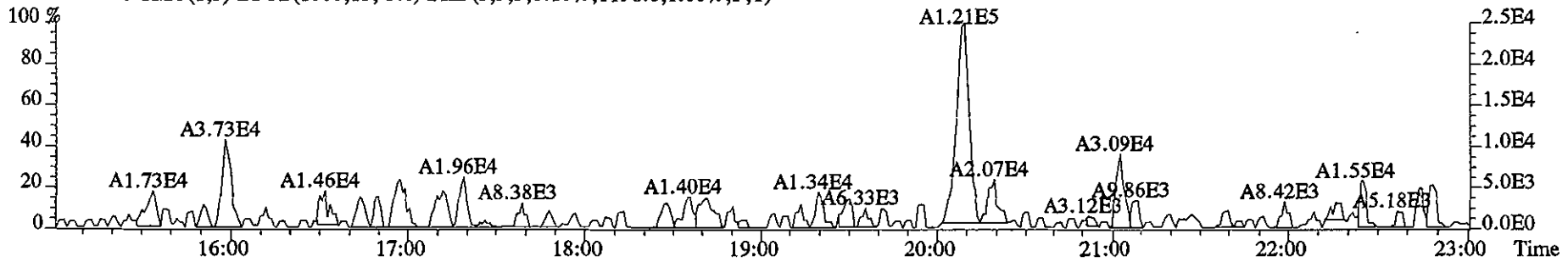


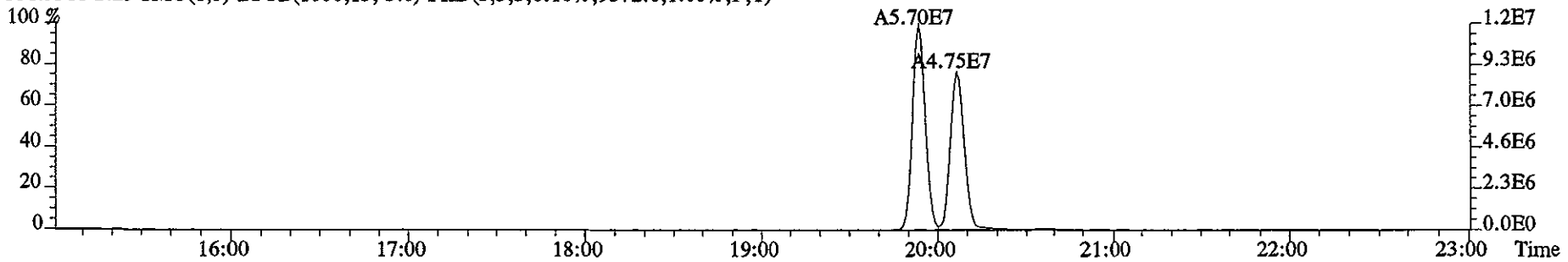


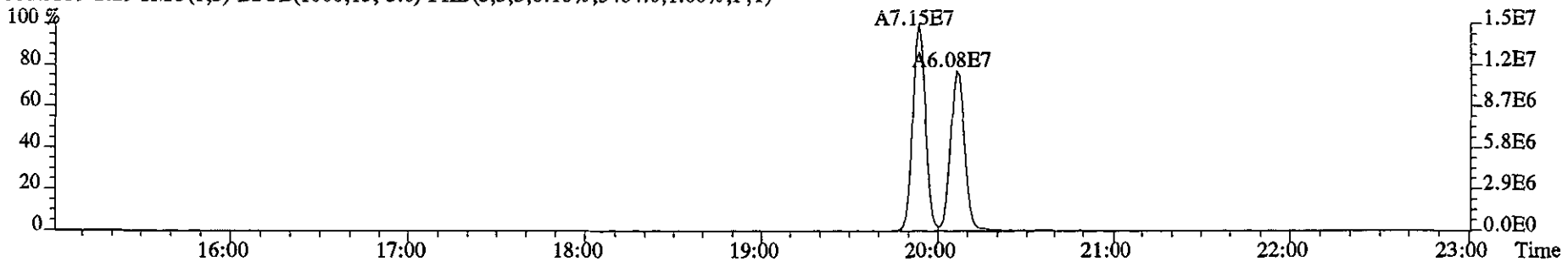


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES



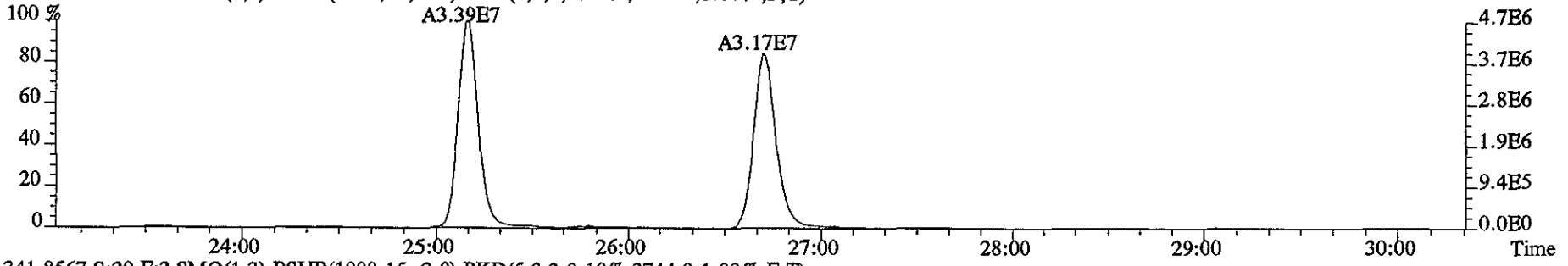




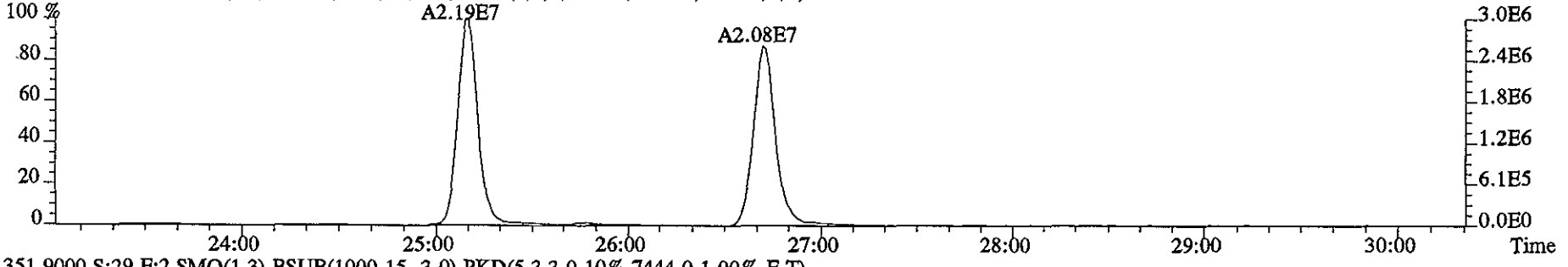


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

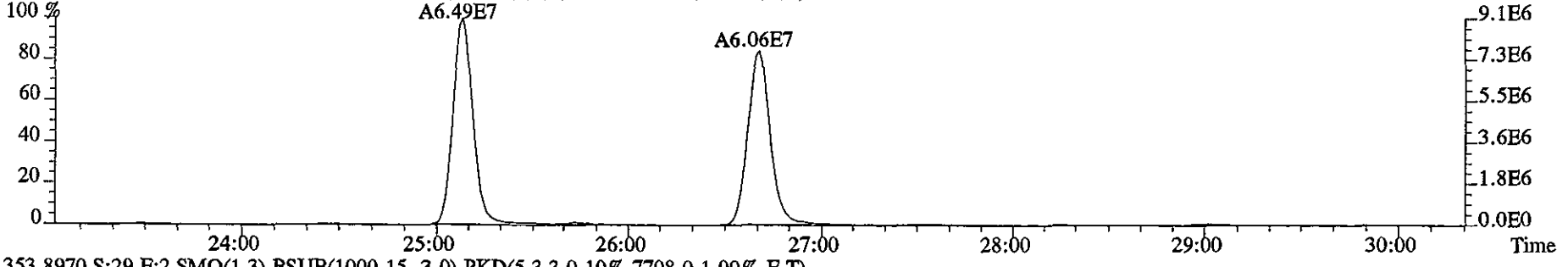
339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3076.0,1.00%,F,T)



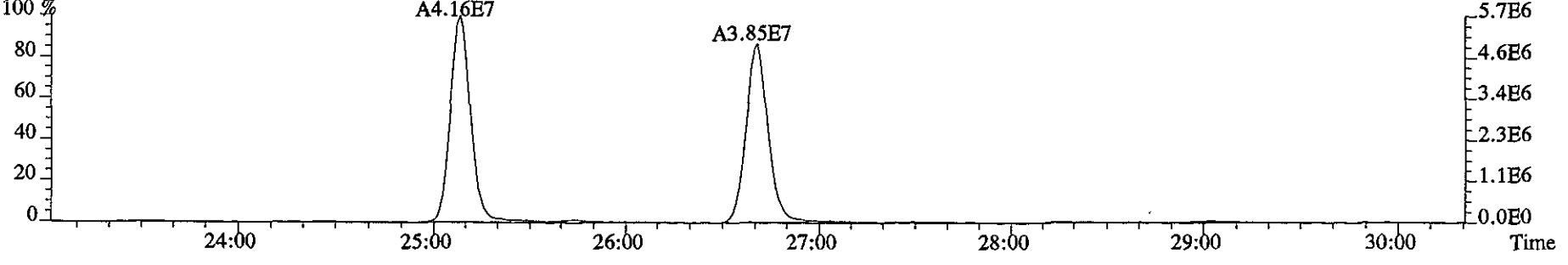
341.8567 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2744.0,1.00%,F,T)



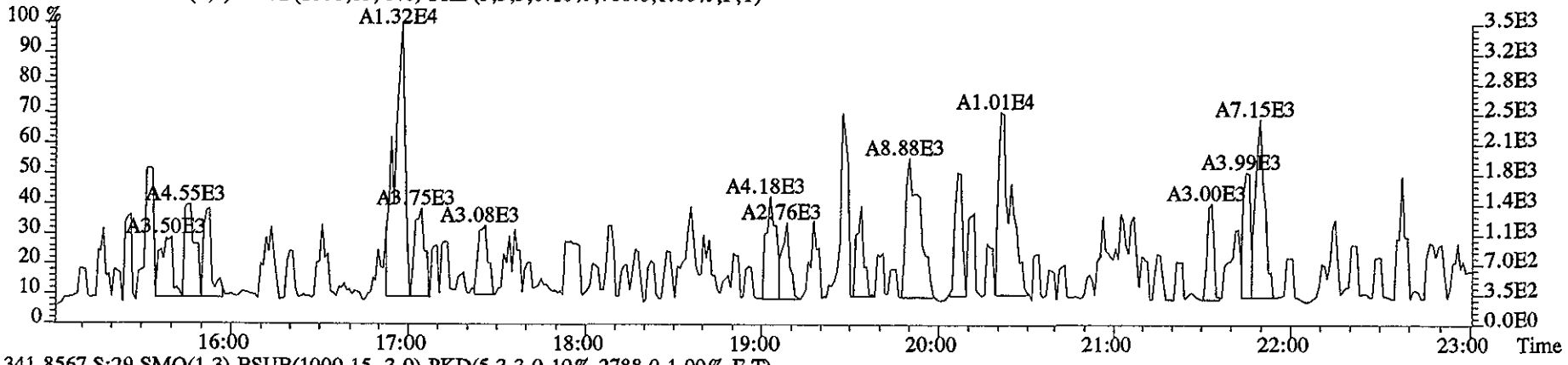
351.9000 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7444.0,1.00%,F,T)



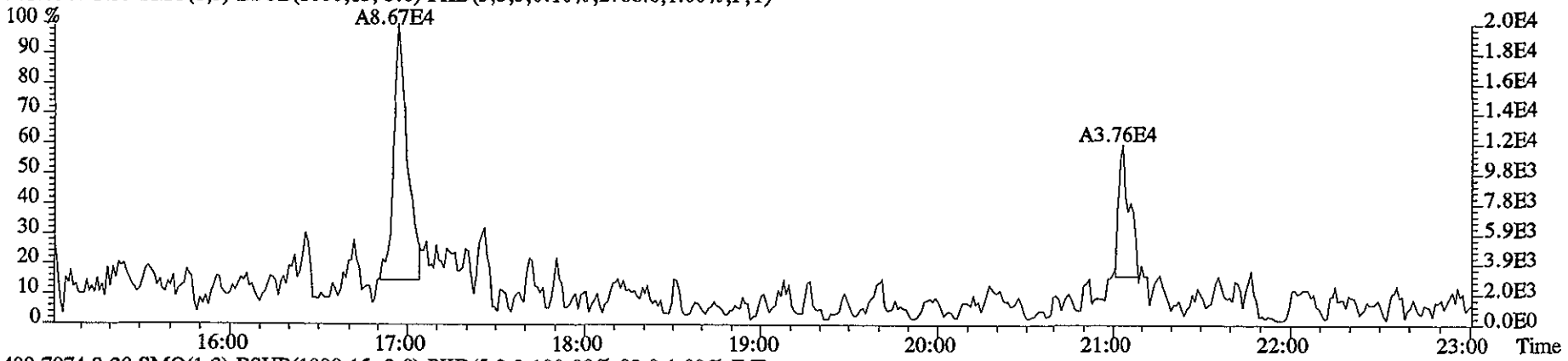
353.8970 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7708.0,1.00%,F,T)



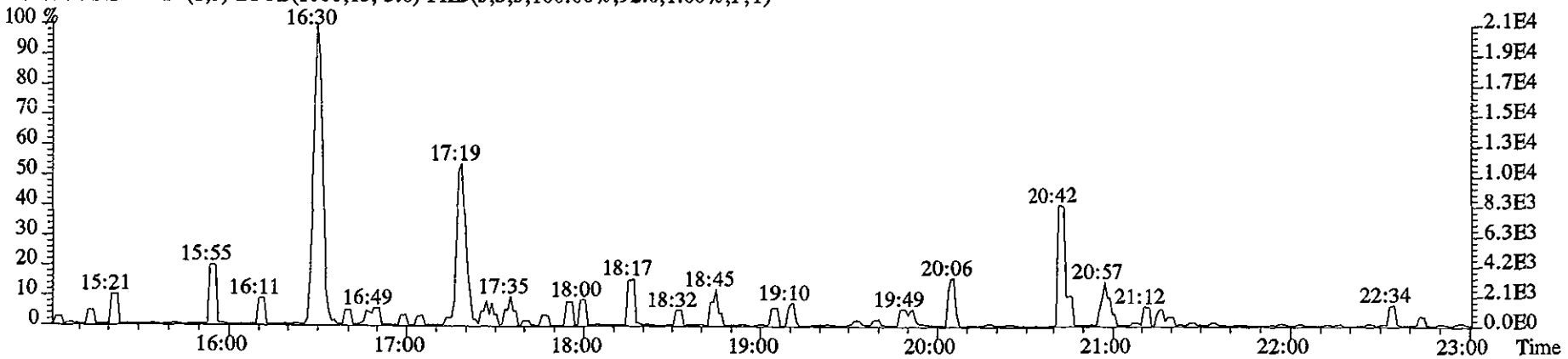
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES
339.8597 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,700.0,1.00%,F,T)



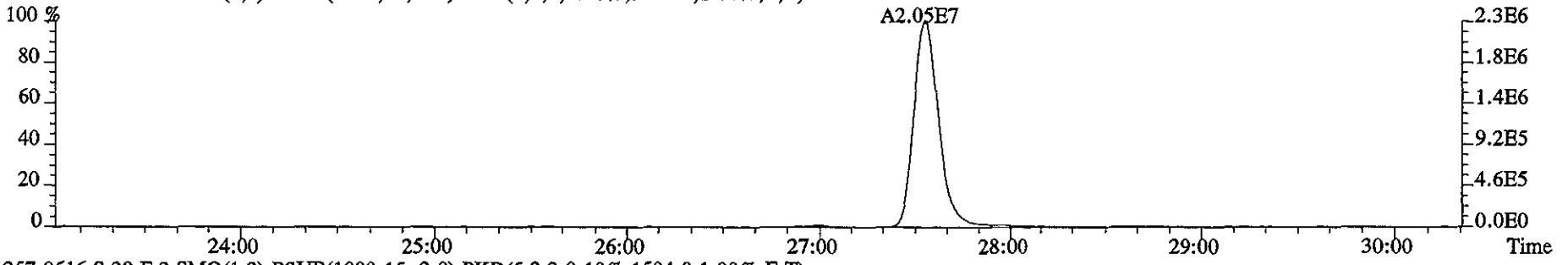
341.8567 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2788.0,1.00%,F,T)



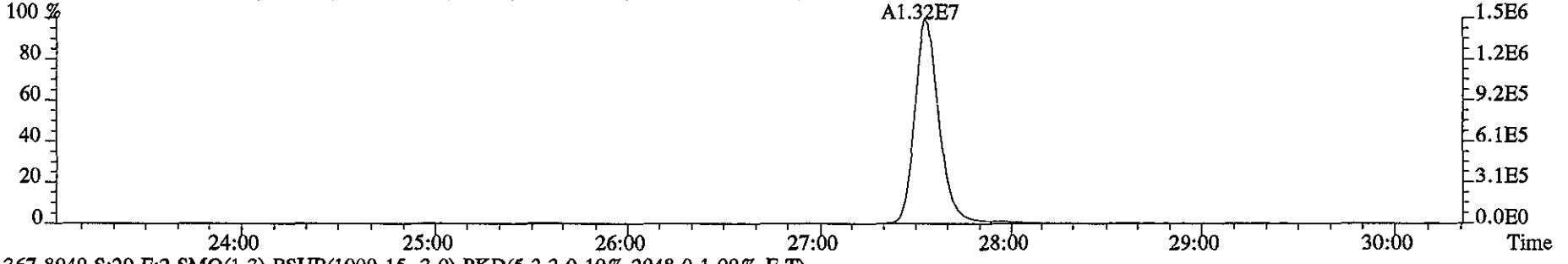
409.7974 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)



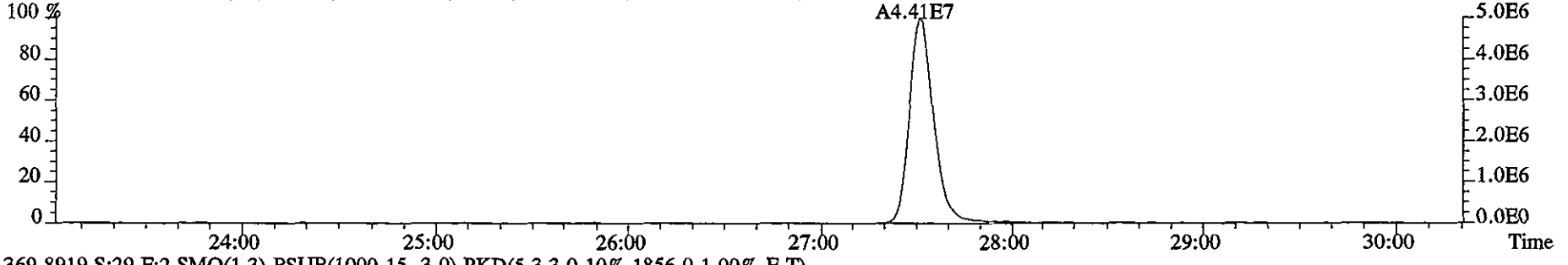
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES
355.8546 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3016.0,1.00%,F,T)



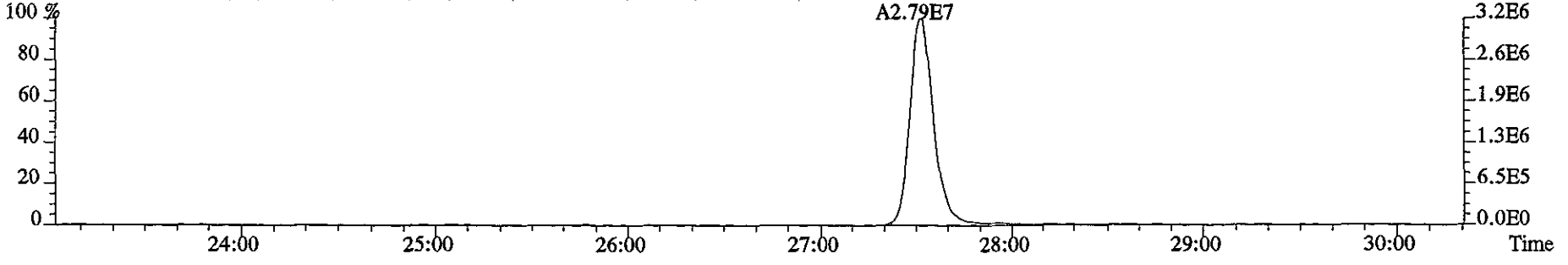
357.8516 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1504.0,1.00%,F,T)



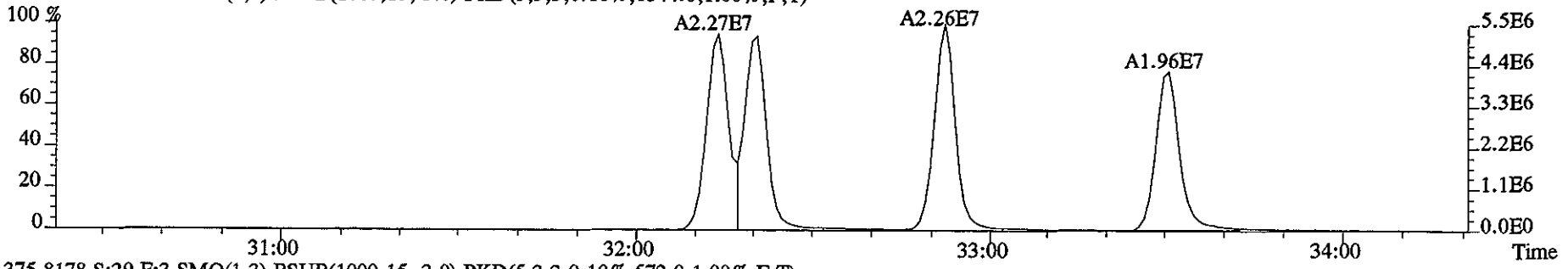
367.8949 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2948.0,1.00%,F,T)

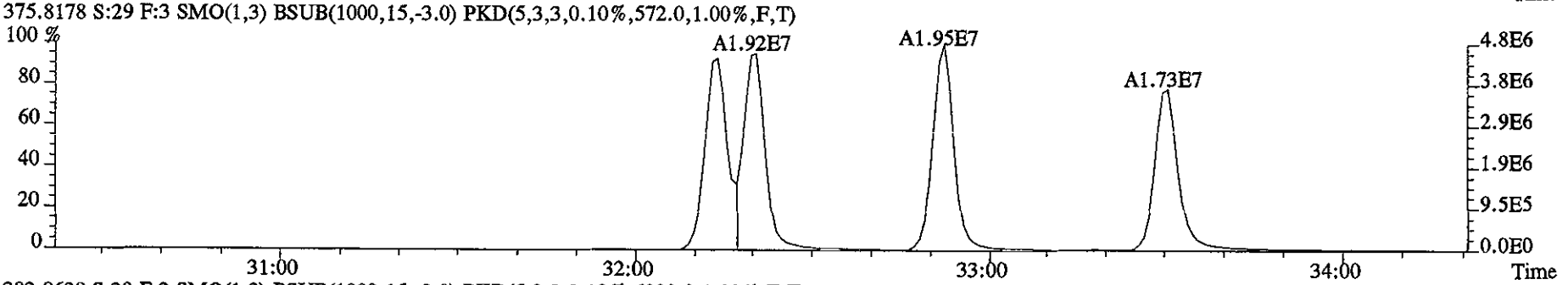


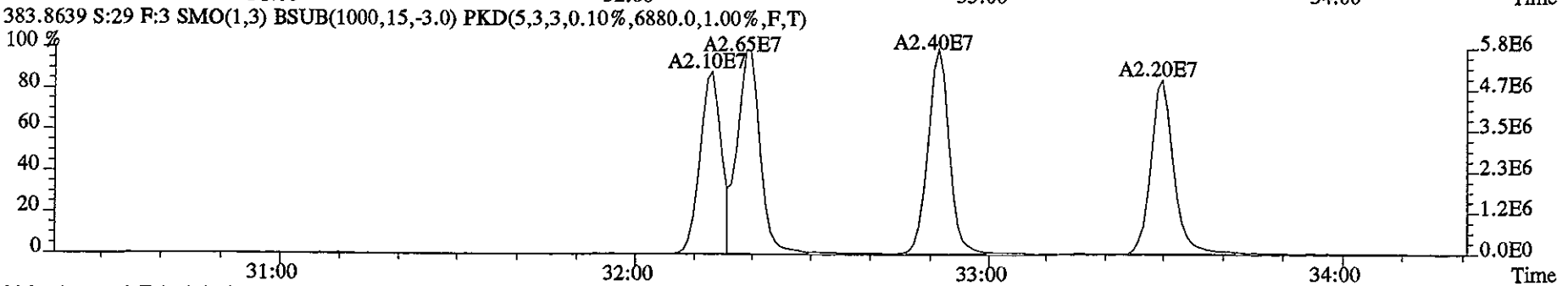
369.8919 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1856.0,1.00%,F,T)

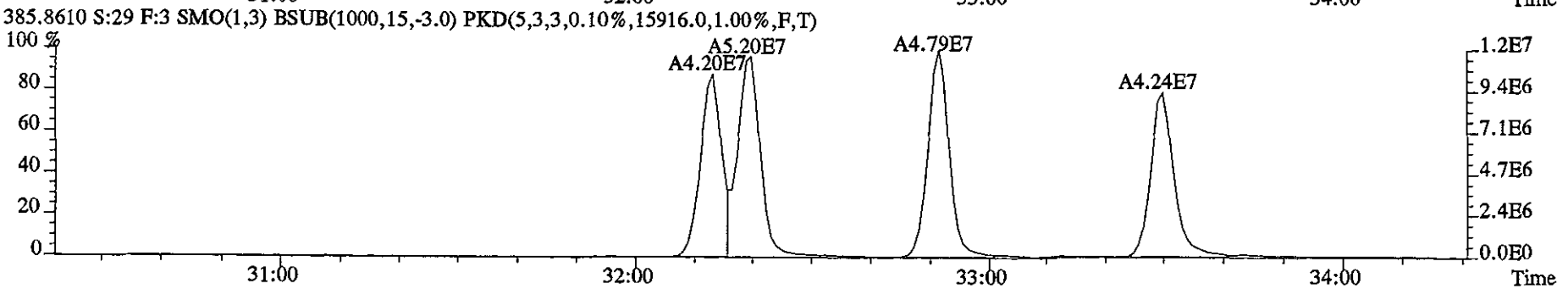


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

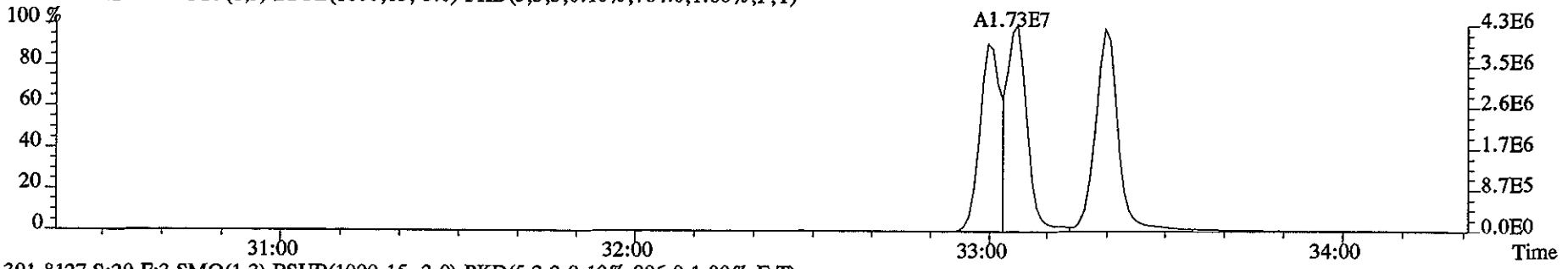


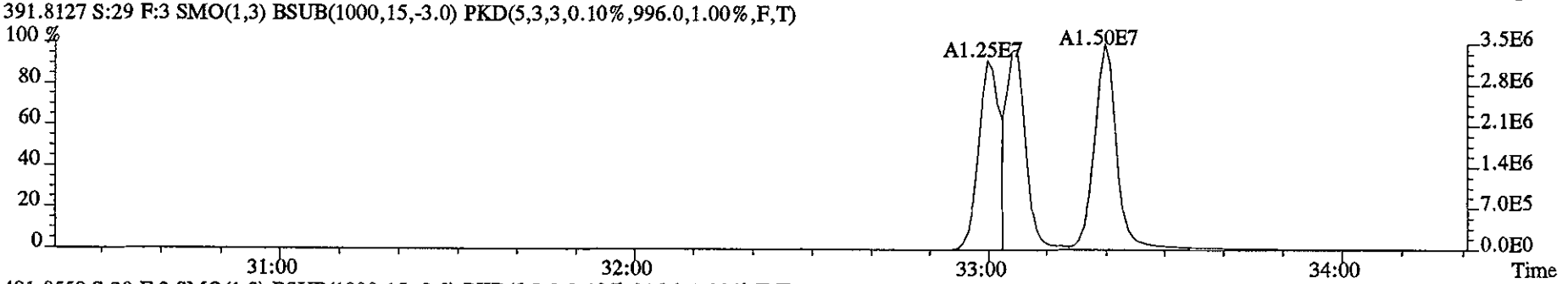


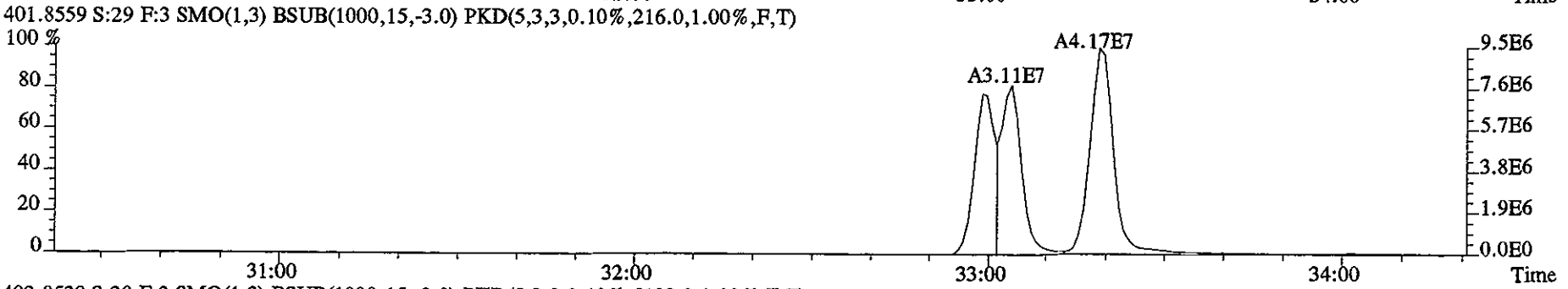


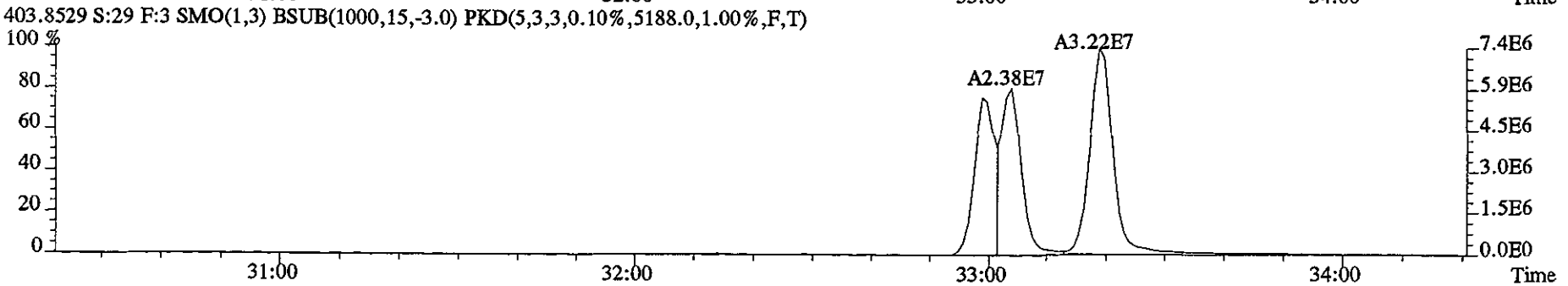


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

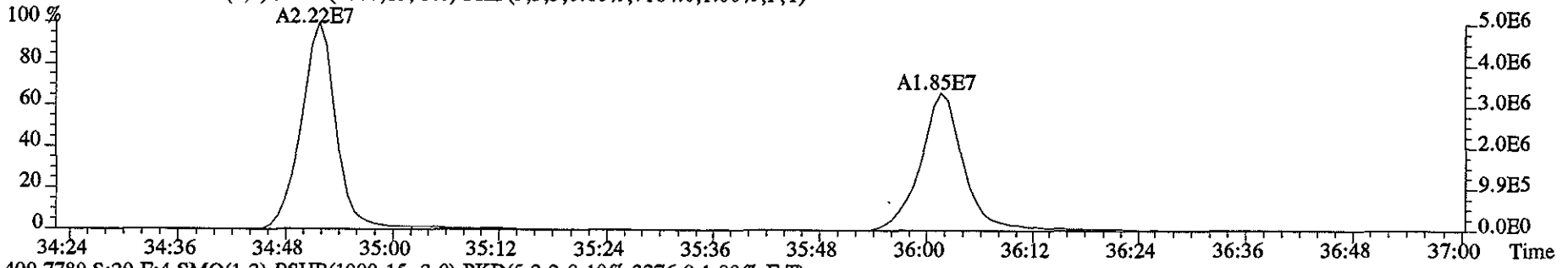


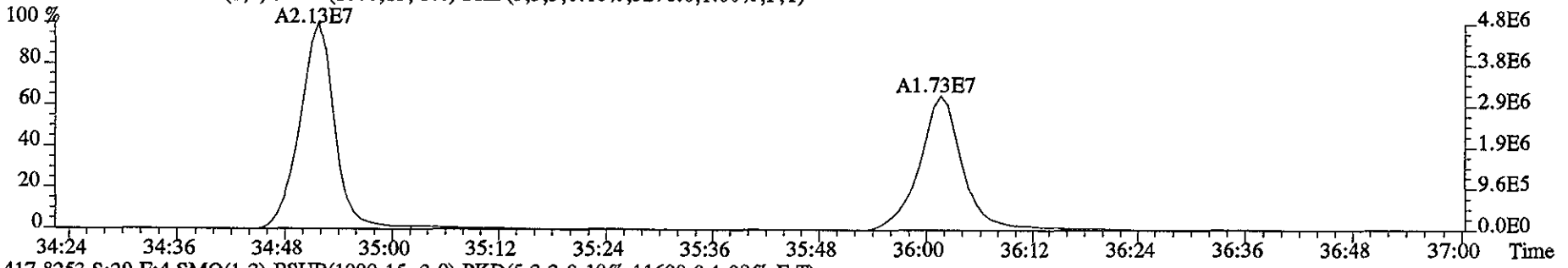


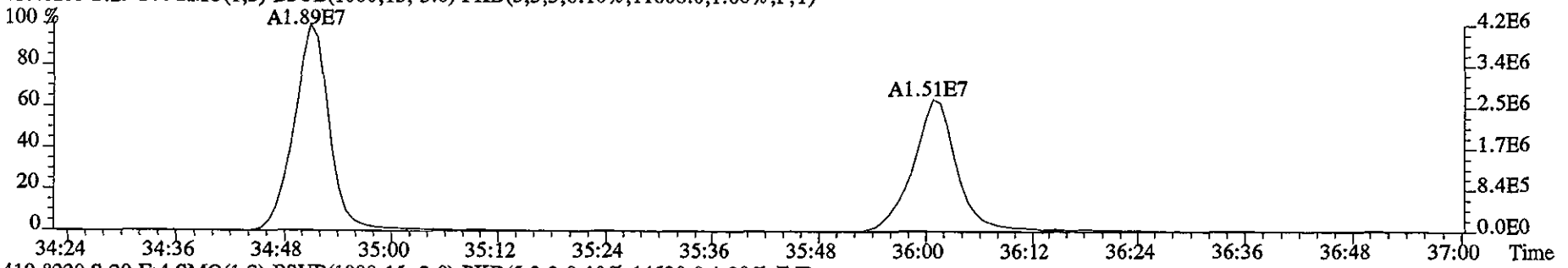


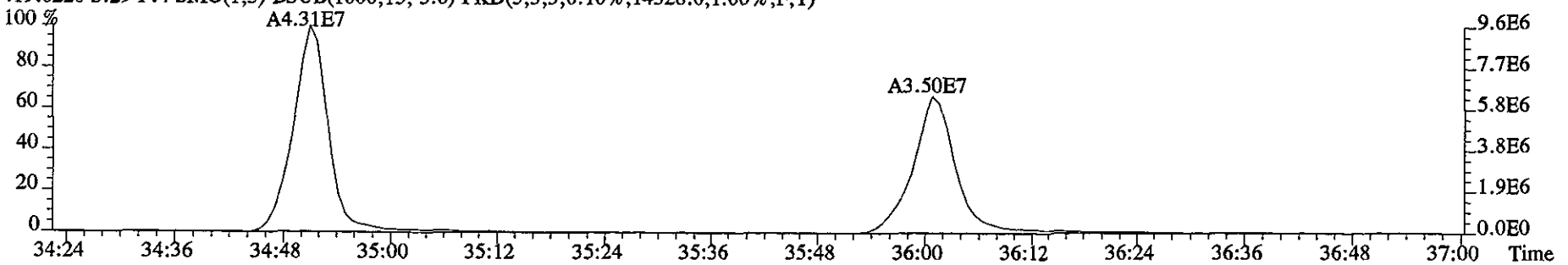


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

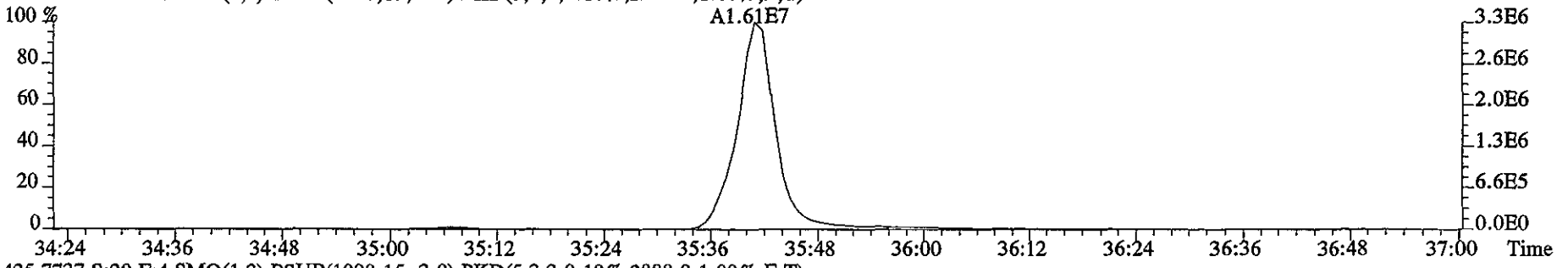


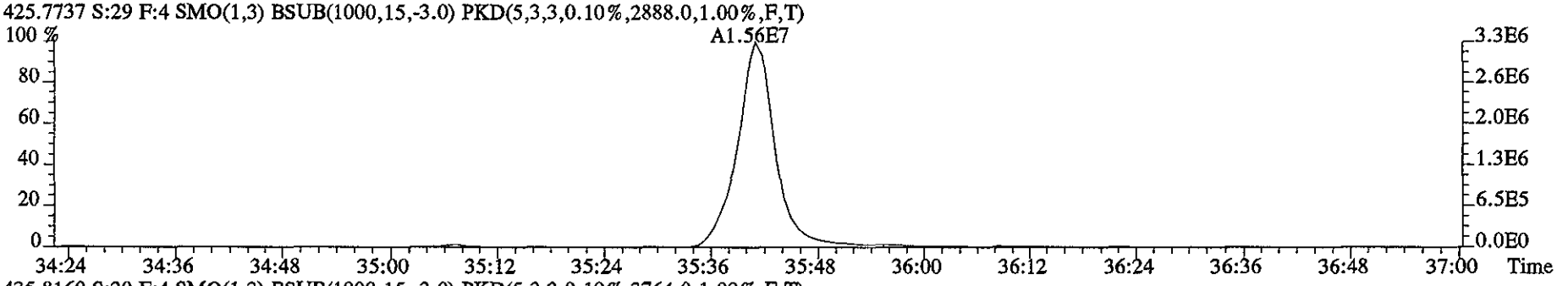


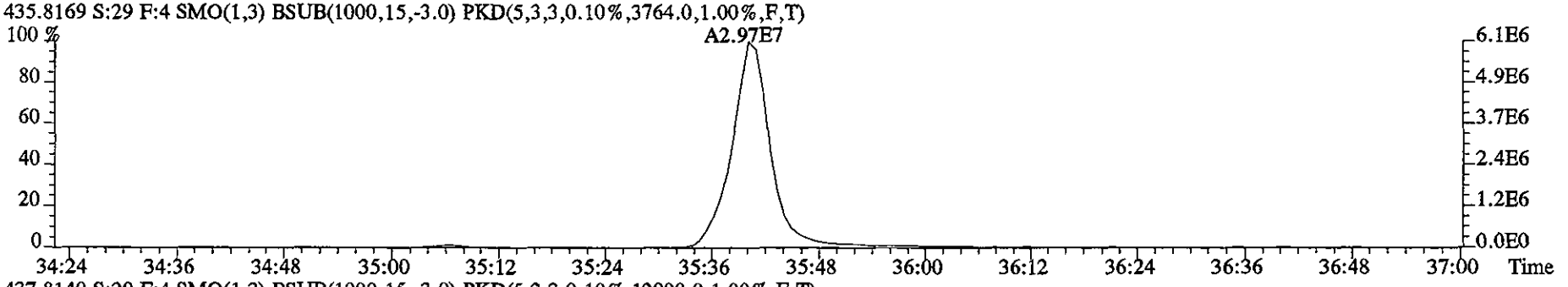


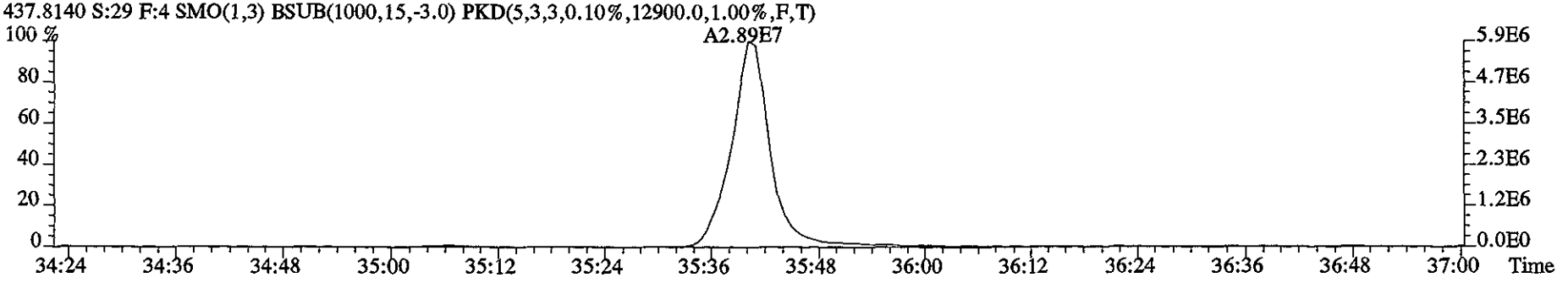


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

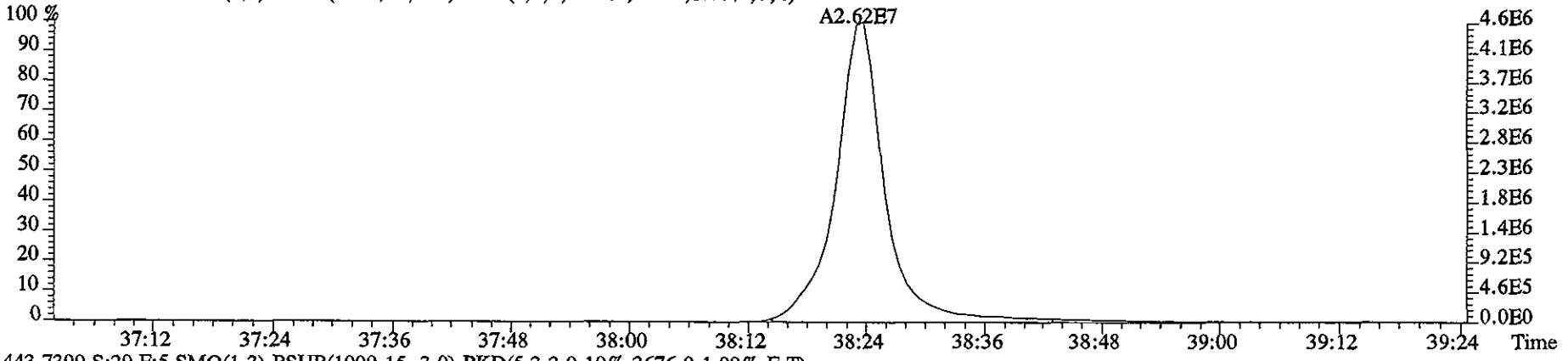




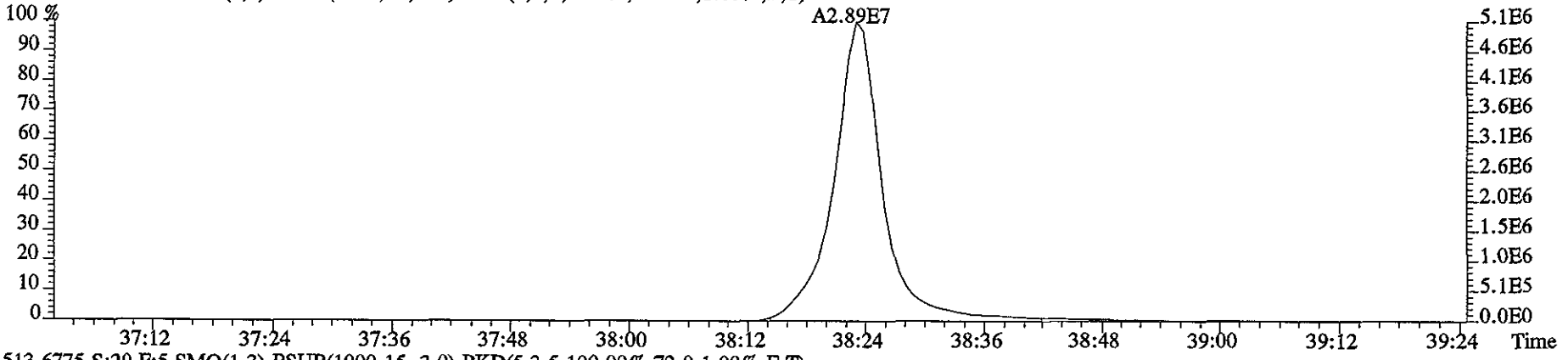




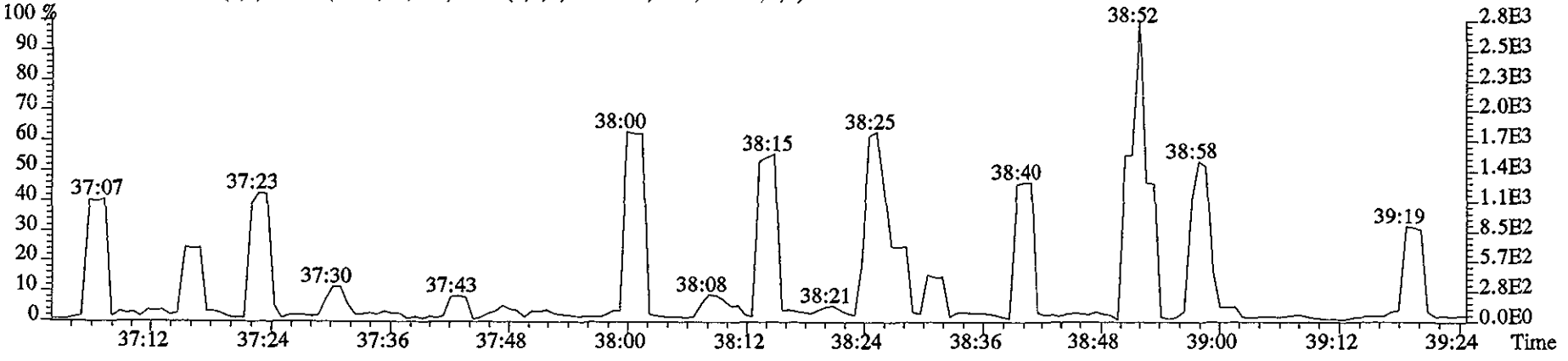
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES
441.7428 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,792.0,1.00%,F,T)



443.7399 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)

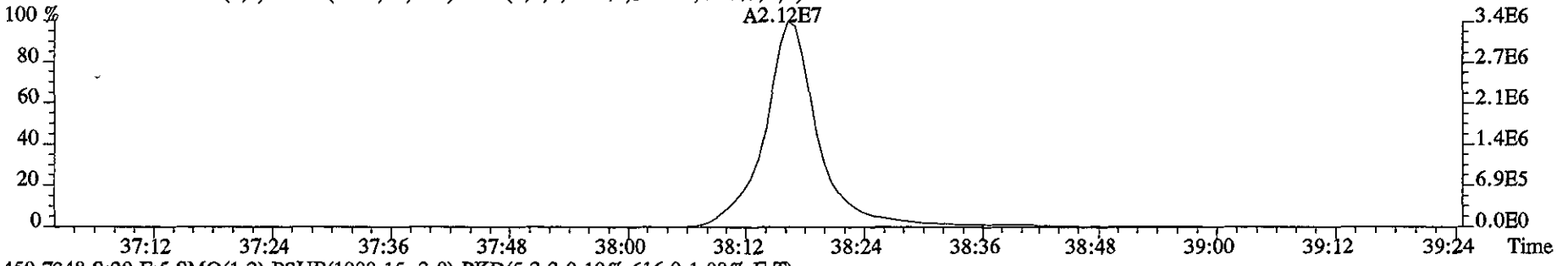


513.6775 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,72.0,1.00%,F,T)

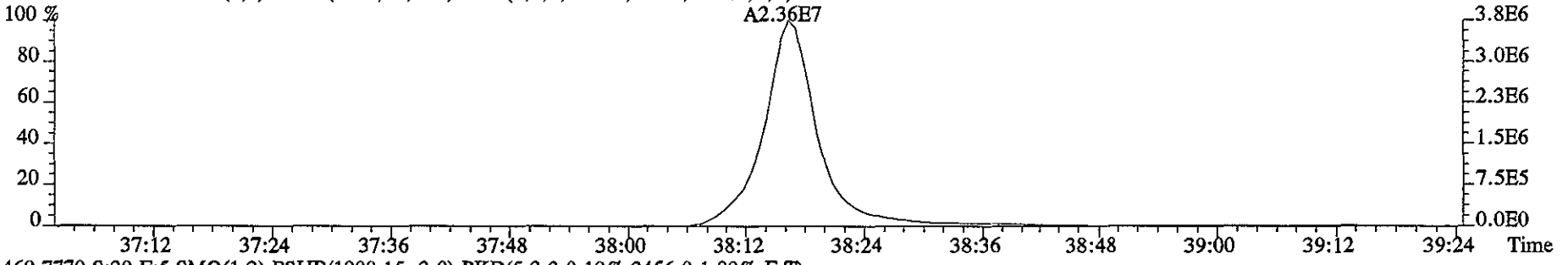


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES

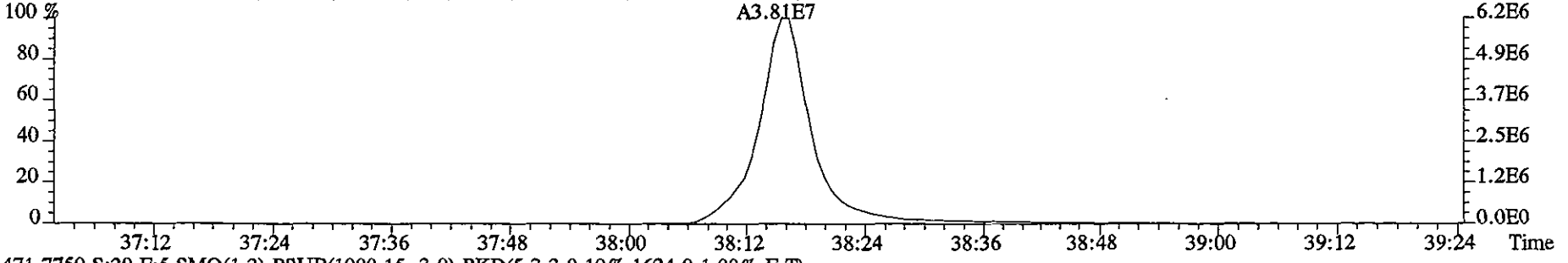
457.7377 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1536.0,1.00%,F,T)



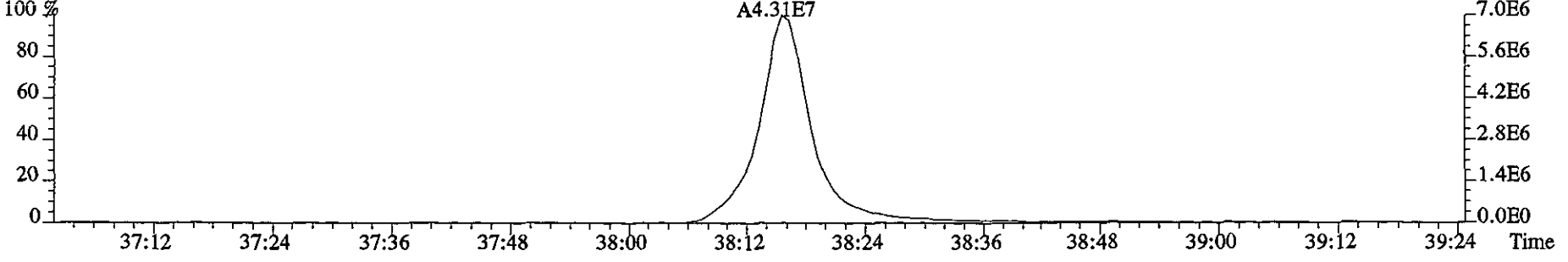
459.7348 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,616.0,1.00%,F,T)



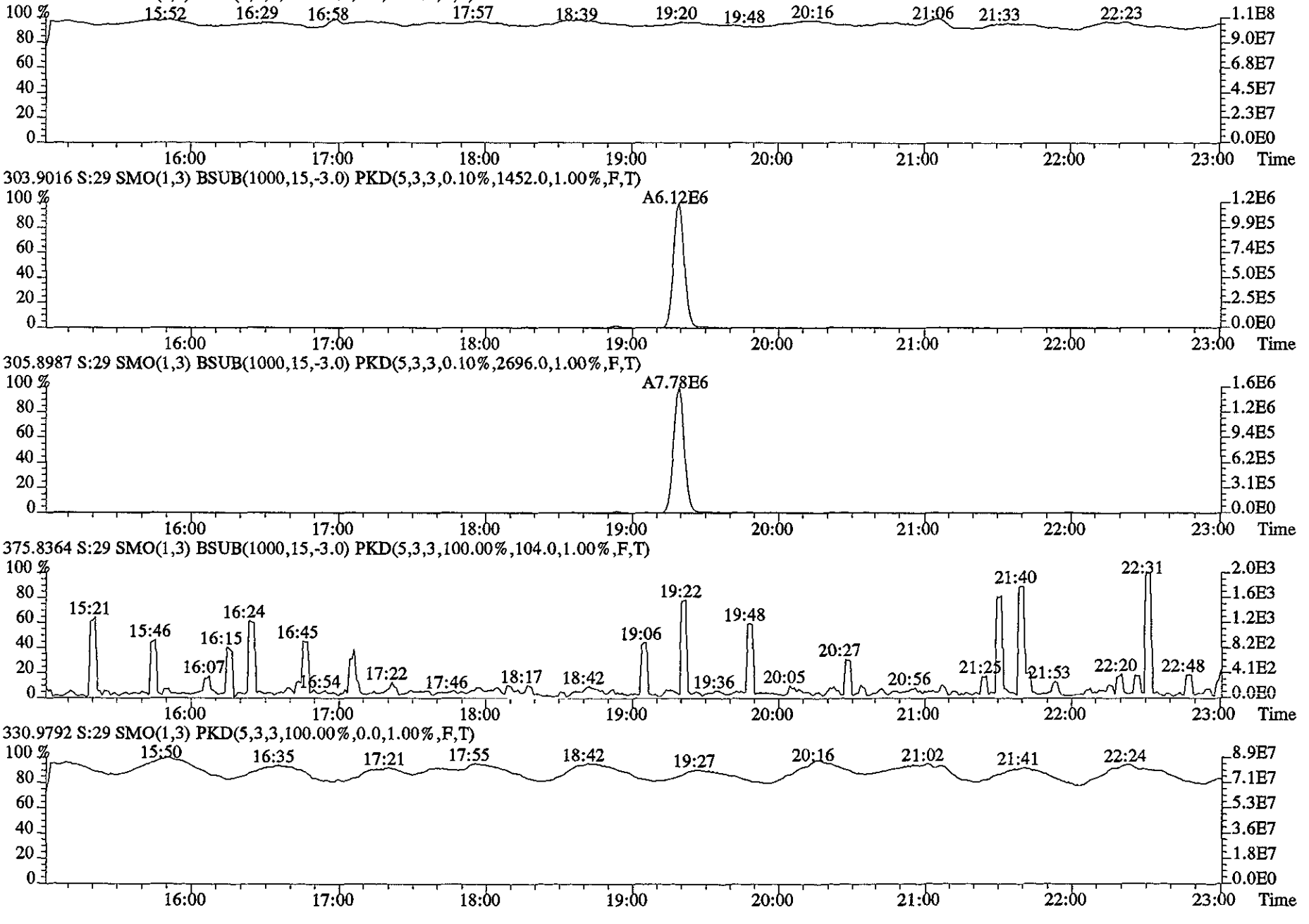
469.7779 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2456.0,1.00%,F,T)



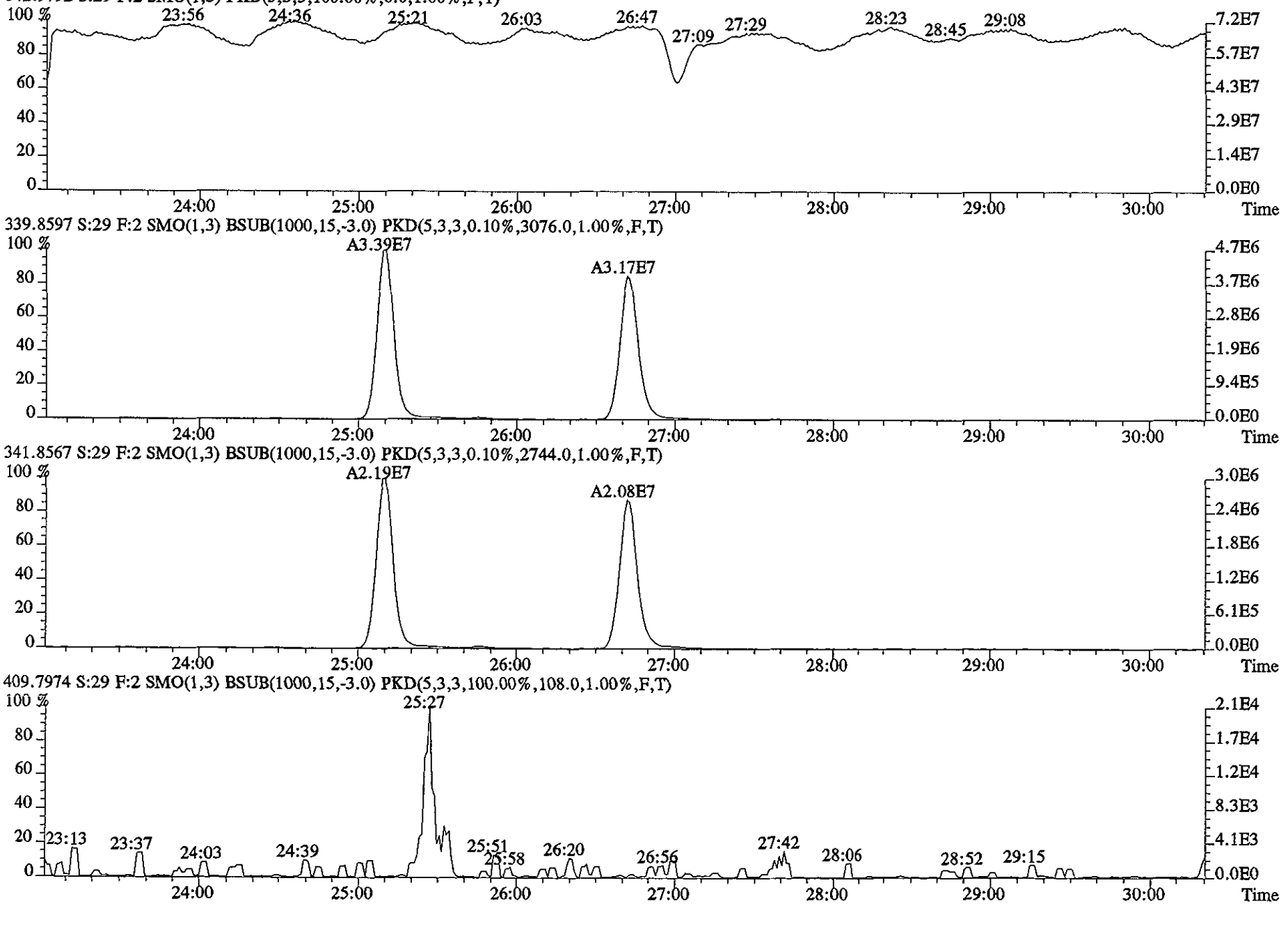
471.7750 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1624.0,1.00%,F,T)



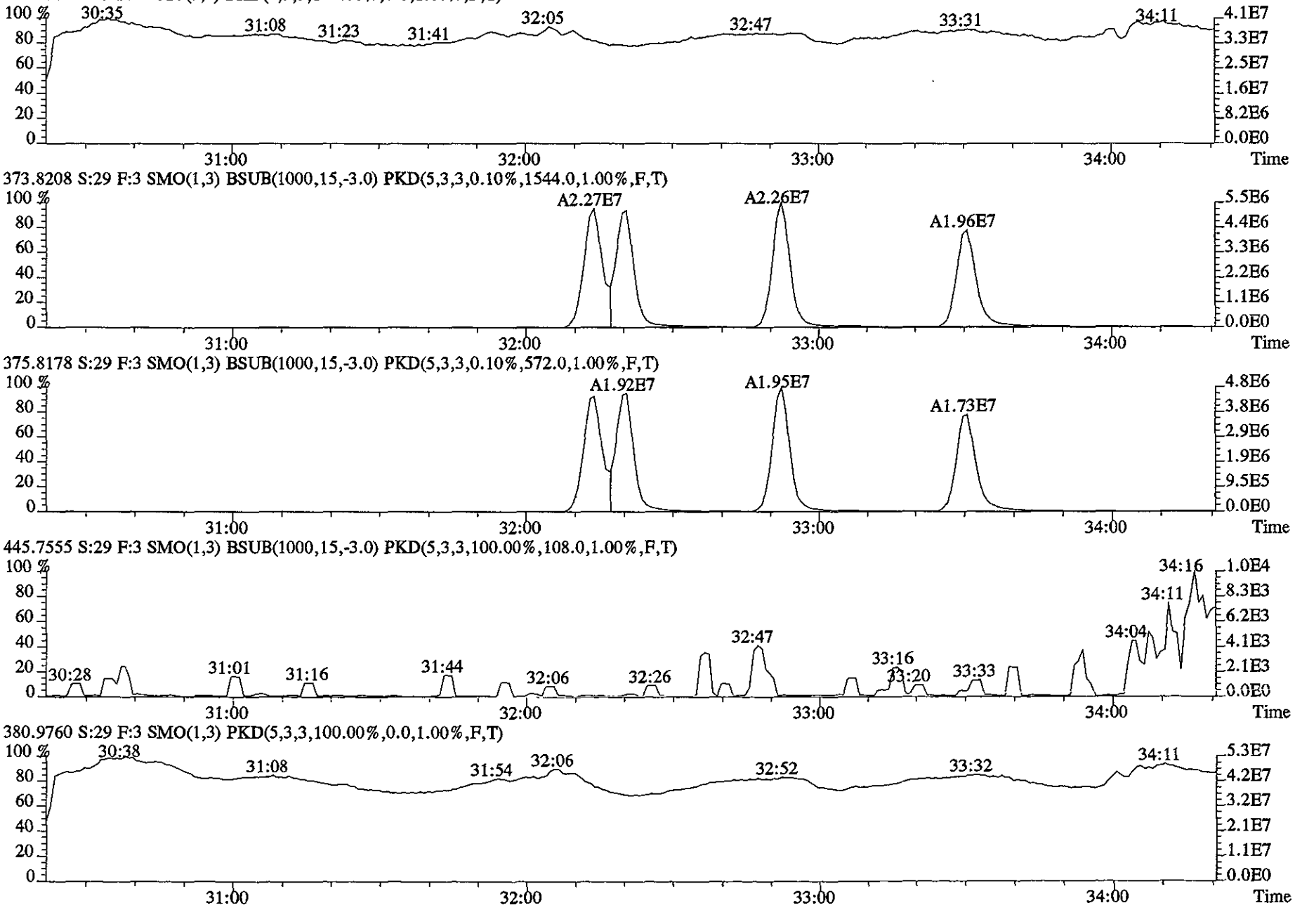
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES



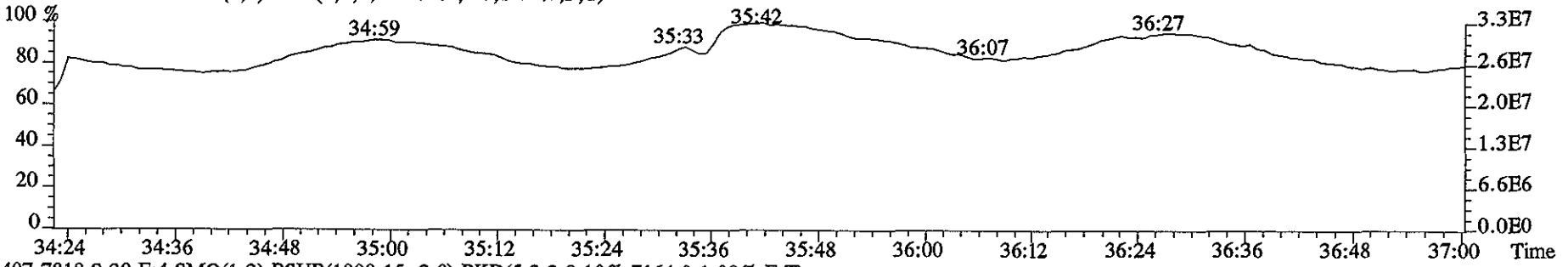
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES



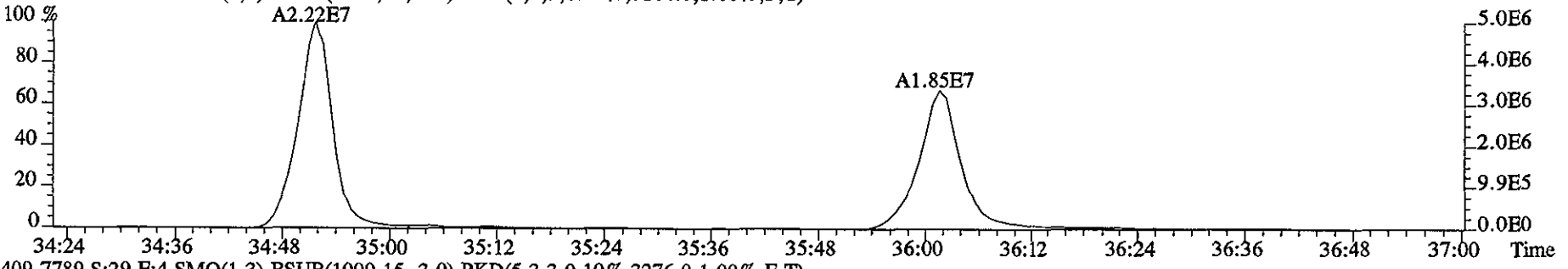
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES



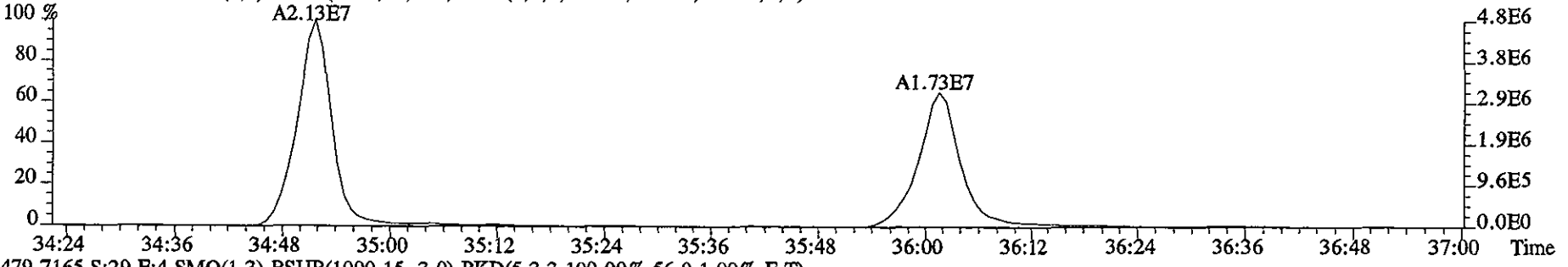
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES
430.9728 S:29 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



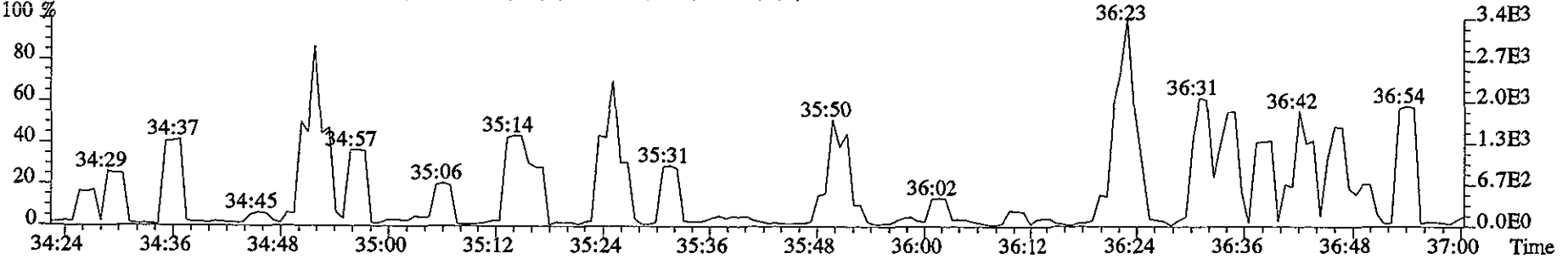
407.7818 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7164.0,1.00%,F,T)



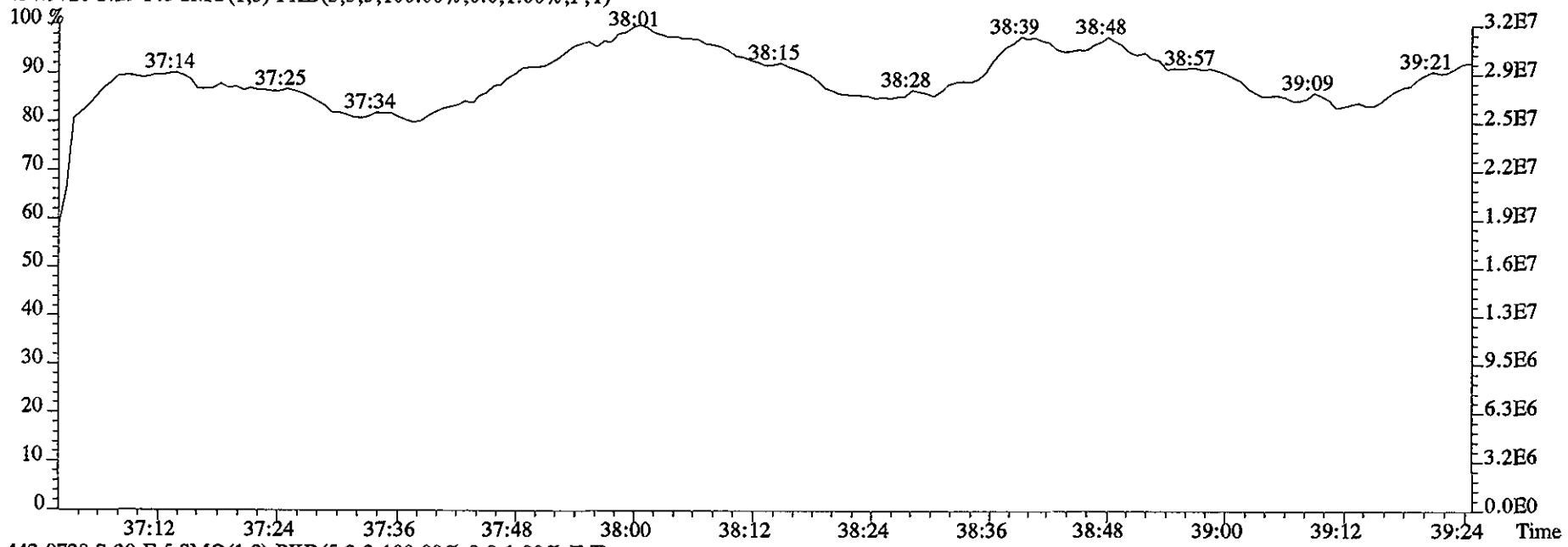
409.7789 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3276.0,1.00%,F,T)



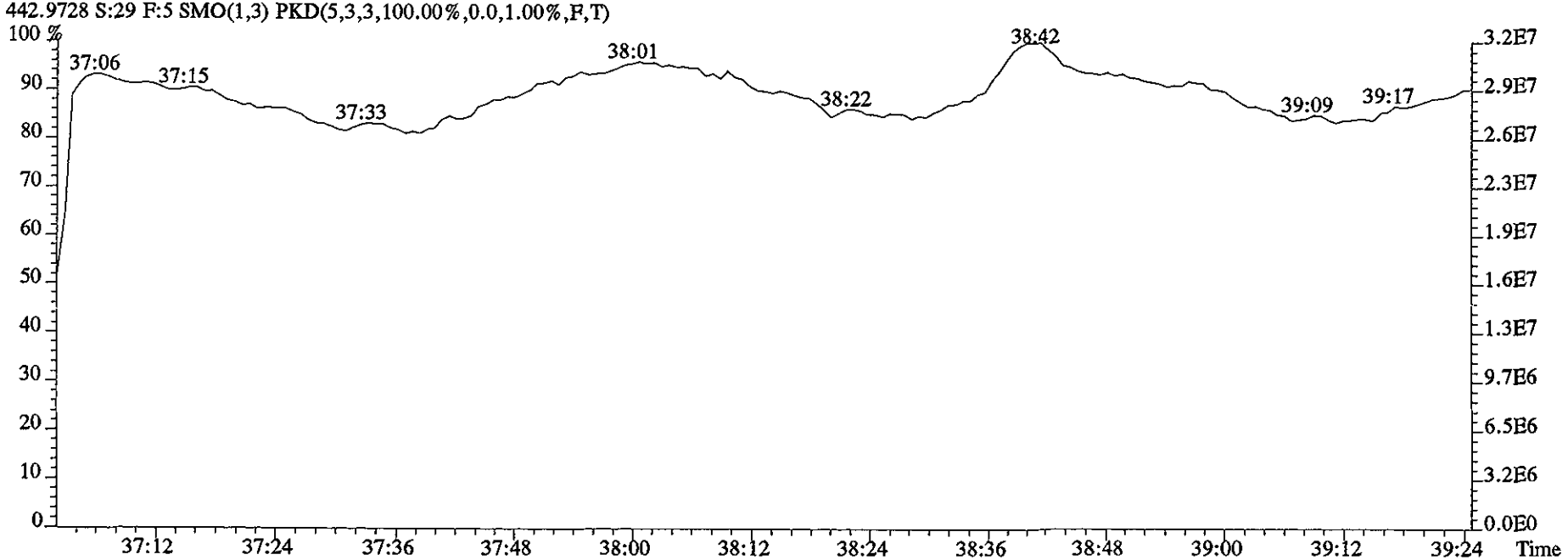
479.7165 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,56.0,1.00%,F,T)



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 08:00:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#29 Text:L6L6Q-1-AC :G0I040476-1LCS Exp:DIOXINRES
454.9728 S:29 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:29 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



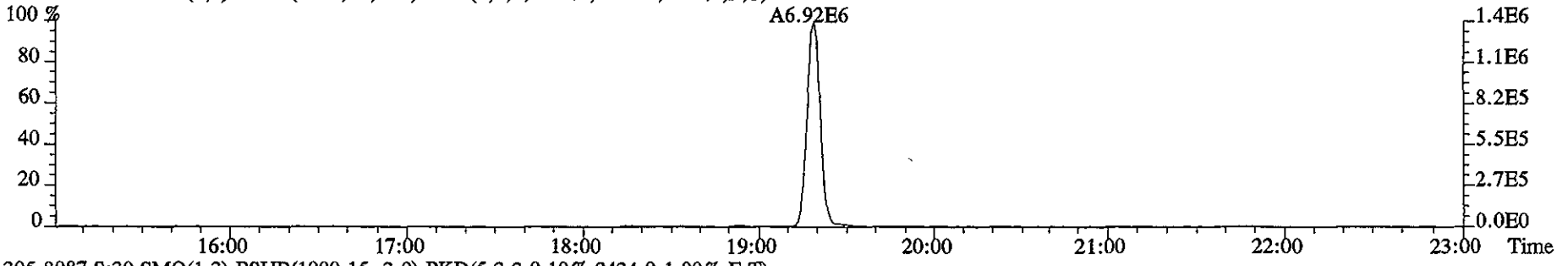
Run text: L6L6Q-1-AD Sample text: L6L6Q-1-AD :G0I040476-1DCS
Run #15 Filename: 13SE10A4D5 S: 30 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 08:45:23 Processed: 14-SEP-10 10:03:28
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 sam

AK 9/15/10

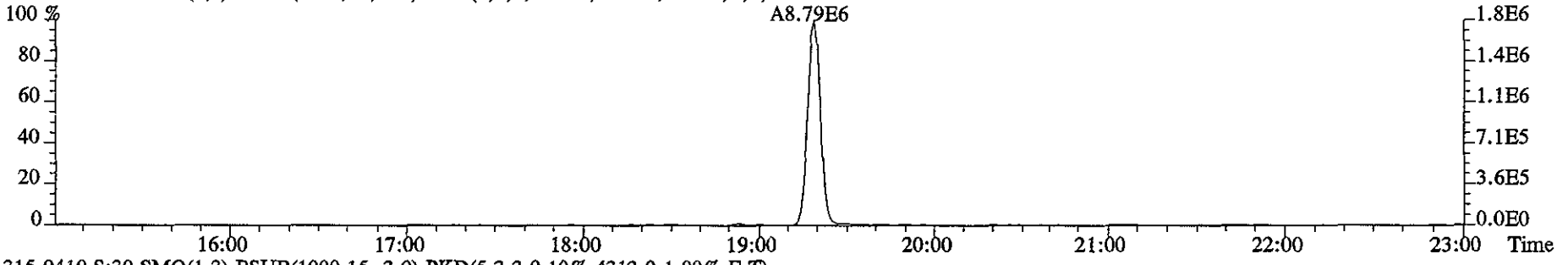
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	139287600	0.80	y	19:53	-	83.408	-	-	n
13C-2,3,7,8-TCDF	158698400	0.79	y	19:18	1.23	3707.209	2.531	92.7	n
2,3,7,8-TCDF	15713160	0.79	y	19:19	0.99	398.236	1.501	-	n
Total TCDF	16062525	1.30	n	17:25	0.99	407.090	1.501	-	n
13C-2,3,7,8-TCDD	115699200	0.79	y	20:06	0.91	3671.154	5.878	91.8	n
2,3,7,8-TCDD	11594040	0.76	y	20:08	0.98	407.572	1.555	-	n
Total TCDD	11624138	0.73	y	17:25	0.98	408.630	1.555	-	n
37Cl-2,3,7,8-TCDD	193444	1.00	y	20:08	1.33	5.043	0.086	0.3	n
13C-1,2,3,7,8-PeCDF	114497000	1.57	y	25:08	0.88	3753.297	5.219	93.8	n
1,2,3,7,8-PeCDF	63194300	1.54	y	25:10	1.08	2050.572	4.171	-	n
2,3,4,7,8-PeCDF	57220200	1.50	y	26:42	1.05	1911.854	4.295	-	n
Total F2 PeCDF	122034617	1.28	n	23:35	1.06	4015.766	4.232	-	n
Total F1 PeCDF	86256	0.41	n	16:25	1.06	2.840	1.146	-	n
13C-1,2,3,7,8-PeCDD	78220600	1.62	y	27:31	0.66	3399.244	3.204	85.0	n
1,2,3,7,8-PeCDD	38869500	1.57	y	27:34	0.93	2147.780	5.689	-	n
Total PeCDD	39077001	3.91	n	26:57	0.93	2159.246	5.689	-	n
13C-1,2,3,7,8,9-HxCDD	79124000	1.28	y	33:20	-	66.828	-	-	n
13C-1,2,3,4,7,8-HxCDF	70117200	0.51	y	32:13	1.04	3392.726	9.492	84.8	n
1,2,3,4,7,8-HxCDF	47478900	1.22	y	32:14	1.22	2225.158	0.947	-	n
1,2,3,6,7,8-HxCDF	49924200	1.09	y	32:20	1.28	2222.201	0.900	-	n
2,3,4,6,7,8-HxCDF	46269600	1.17	y	32:52	1.23	2140.037	0.935	-	n
1,2,3,7,8,9-HxCDF	41305300	1.19	y	33:30	1.10	2145.722	1.050	-	n
Total HxCDF	185087957	0.83	n	31:12	1.21	8738.313	0.955	-	n
13C-1,2,3,6,7,8-HxCDD	59608400	1.28	y	33:04	0.83	3627.166	2.600	90.7	n
1,2,3,4,7,8-HxCDD	31968300	1.22	y	33:00	1.04	2068.308	0.684	-	n
1,2,3,6,7,8-HxCDD	33746800	1.28	y	33:04	1.16	1947.524	0.610	-	n
1,2,3,7,8,9-HxCDD	37449200	1.25	y	33:20	1.18	2126.576	0.601	-	n
Total HxCDD	103164300	1.22	y	33:00	1.13	6142.408	0.630	-	n
13C-1,2,3,4,6,7,8-HpCDF	66274400	0.44	y	34:52	0.91	3681.675	14.696	92.0	n
1,2,3,4,6,7,8-HpCDF	50030900	1.05	y	34:52	1.35	2243.779	3.629	-	n
1,2,3,4,7,8,9-HpCDF	40751100	1.05	y	36:01	1.09	2249.359	4.466	-	n
Total HpCDF	91246071	1.05	y	34:52	1.22	4516.103	4.004	-	n
13C-1,2,3,4,6,7,8-HpCDD	62939300	1.06	y	35:41	0.83	3849.242	9.115	96.2	n
1,2,3,4,6,7,8-HpCDD	35343000	1.04	y	35:41	1.07	2095.896	4.681	-	n
Total HpCDD	35499659	1.41	n	35:07	1.07	2105.186	4.681	-	n
13C-OCDD	89682000	0.88	y	38:15	0.62	7313.691	12.368	91.4	n
OCDF	63567500	0.90	y	38:22	1.37	4138.139	4.516	-	n
OCDD	52550300	0.90	y	38:15	1.20	3908.640	7.971	-	n

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

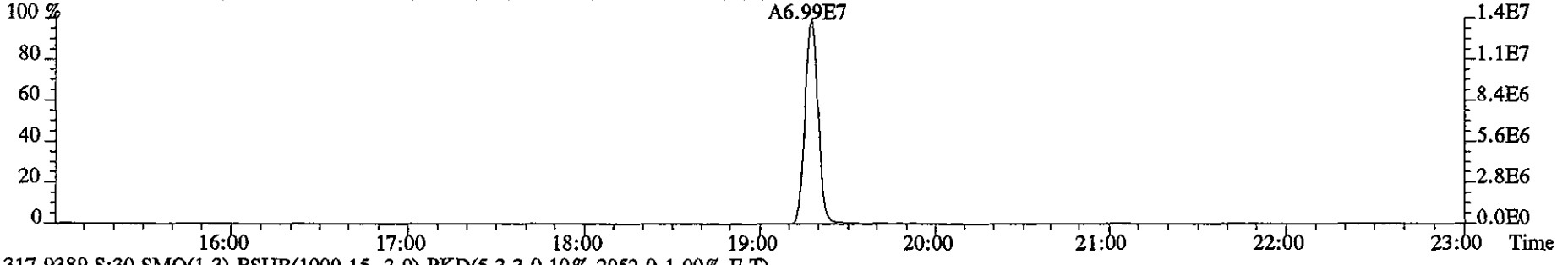
303.9016 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1536.0,1.00%,F,T)



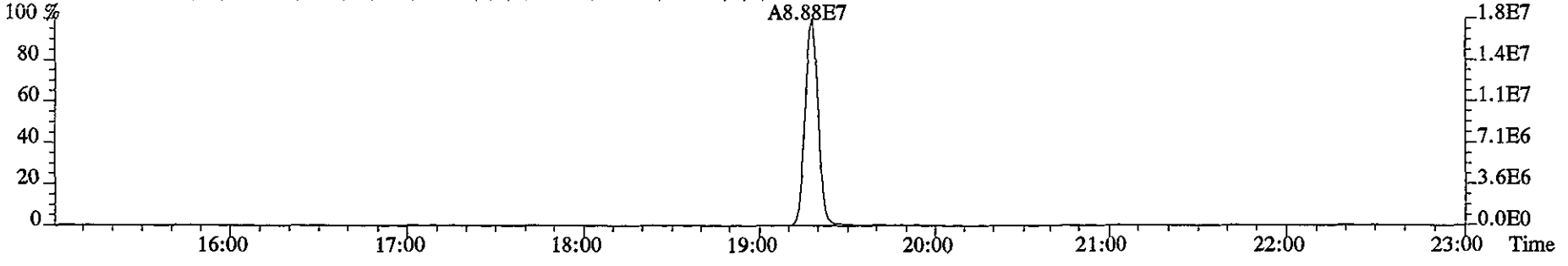
305.8987 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)



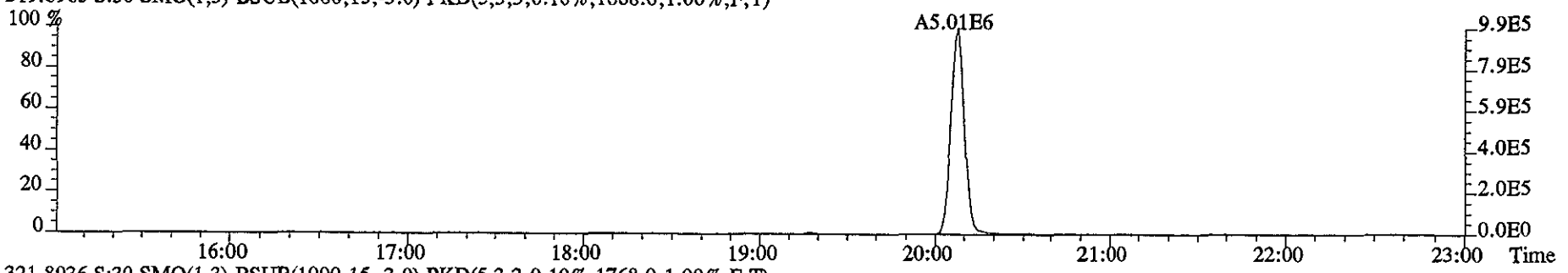
315.9419 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4312.0,1.00%,F,T)

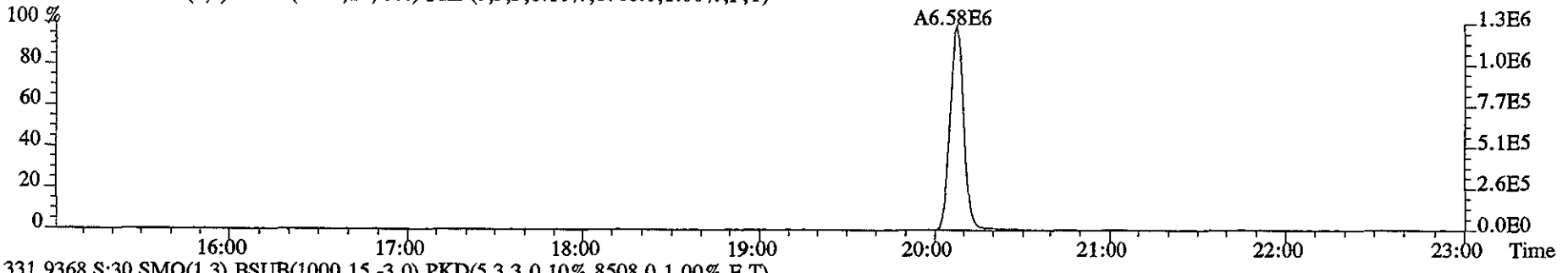


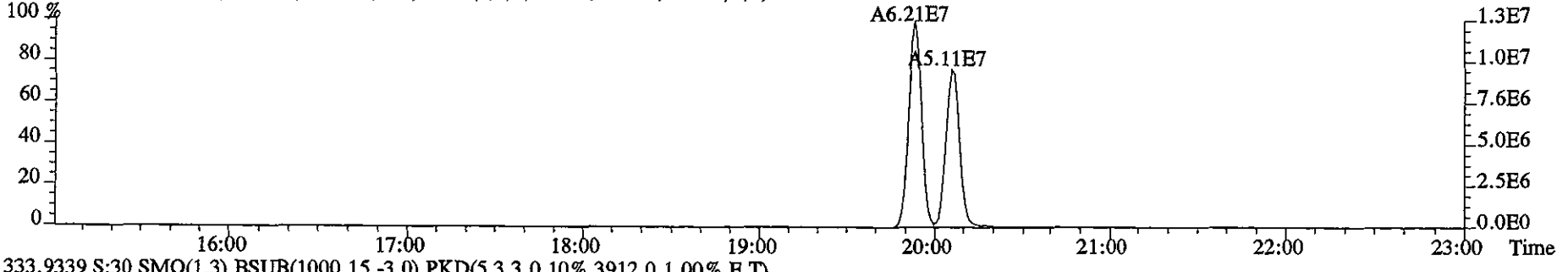
317.9389 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2952.0,1.00%,F,T)

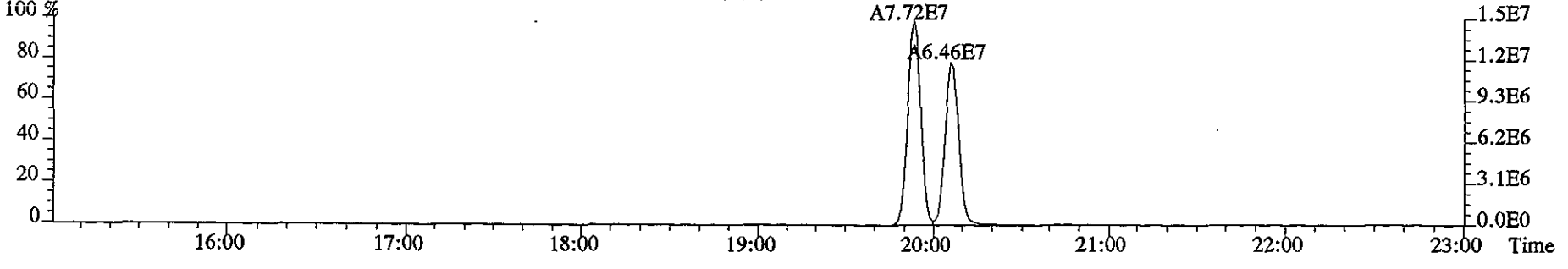


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

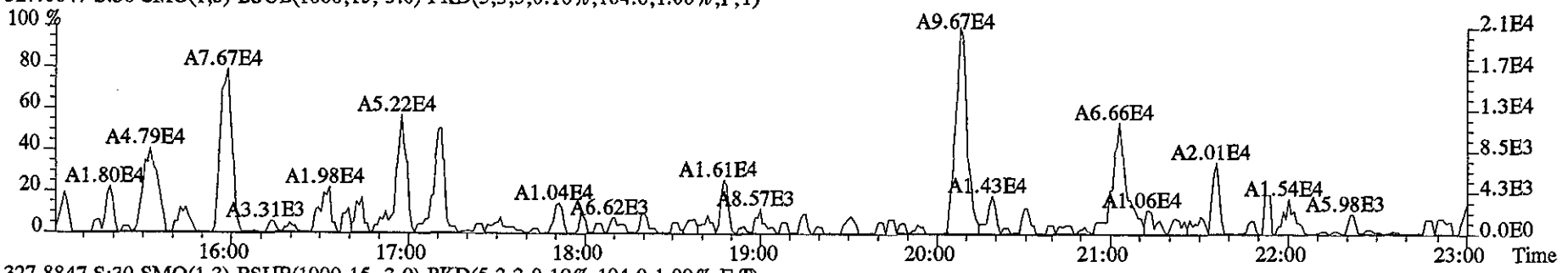




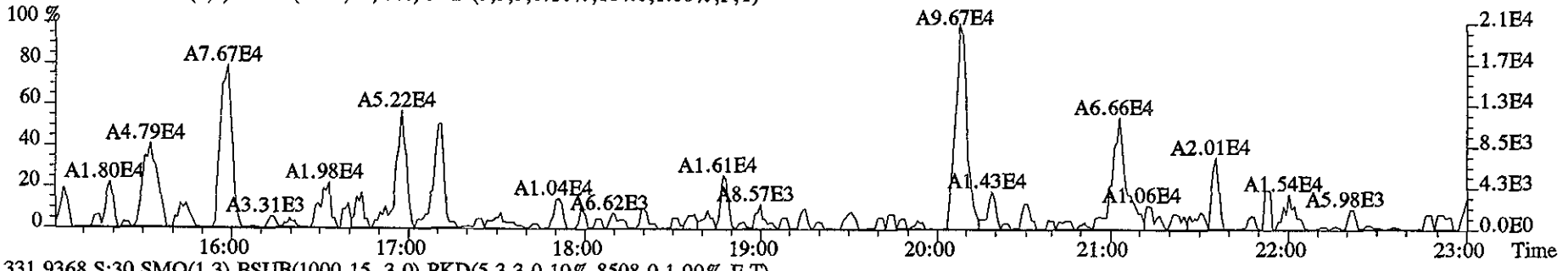




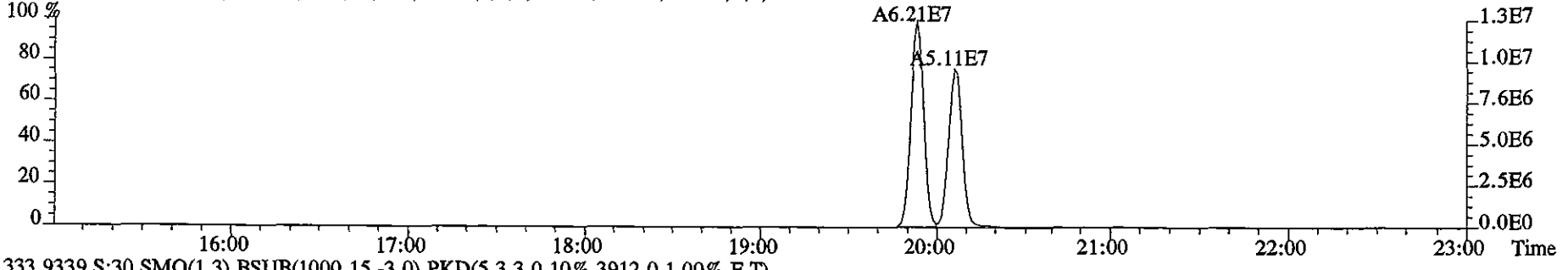
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)



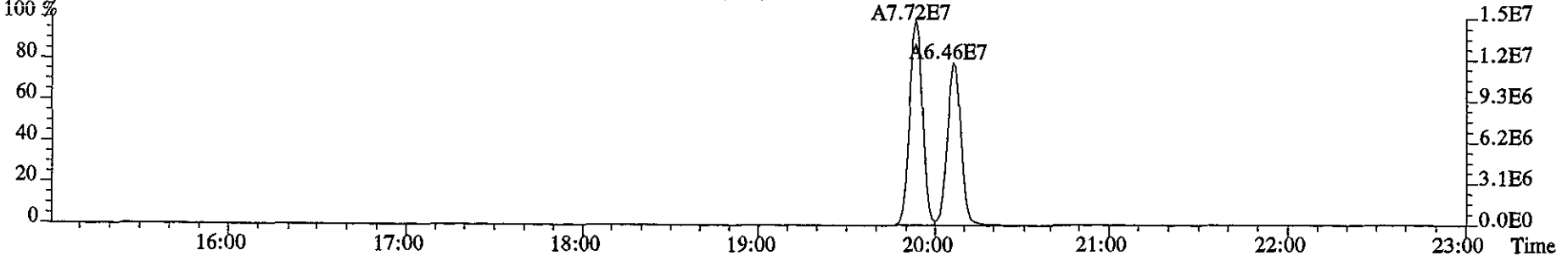
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)



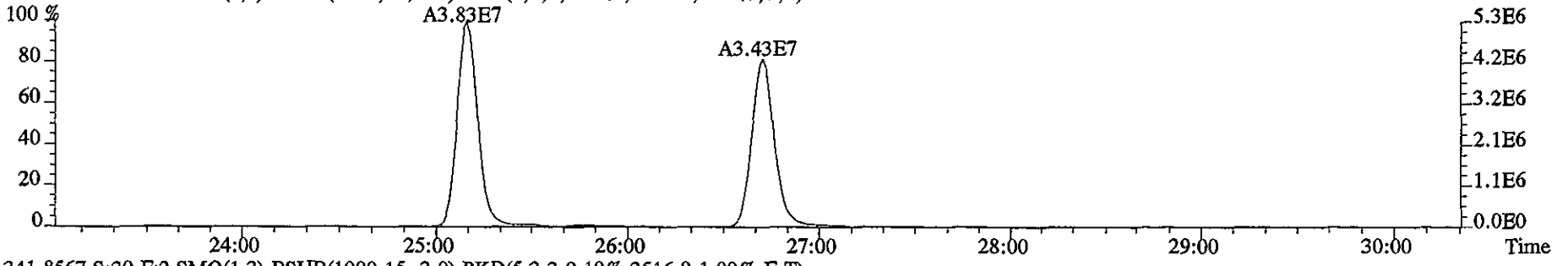
331.9368 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8508.0,1.00%,F,T)

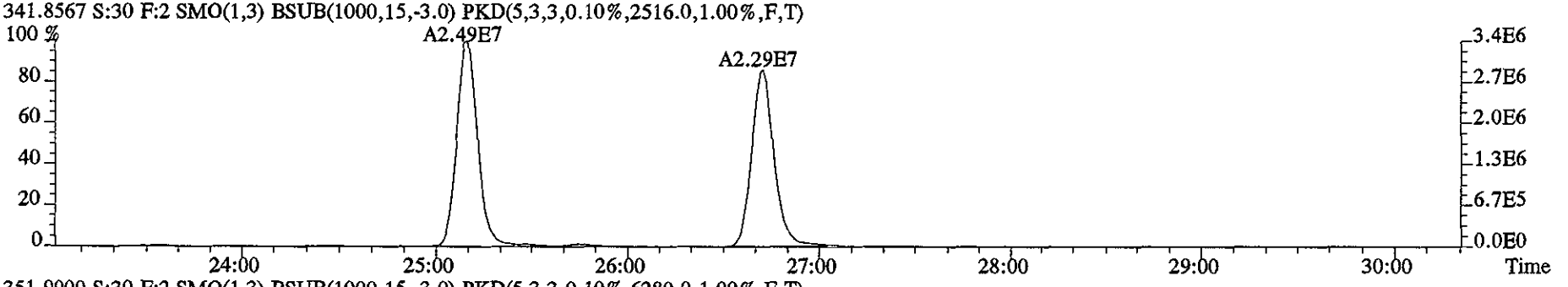


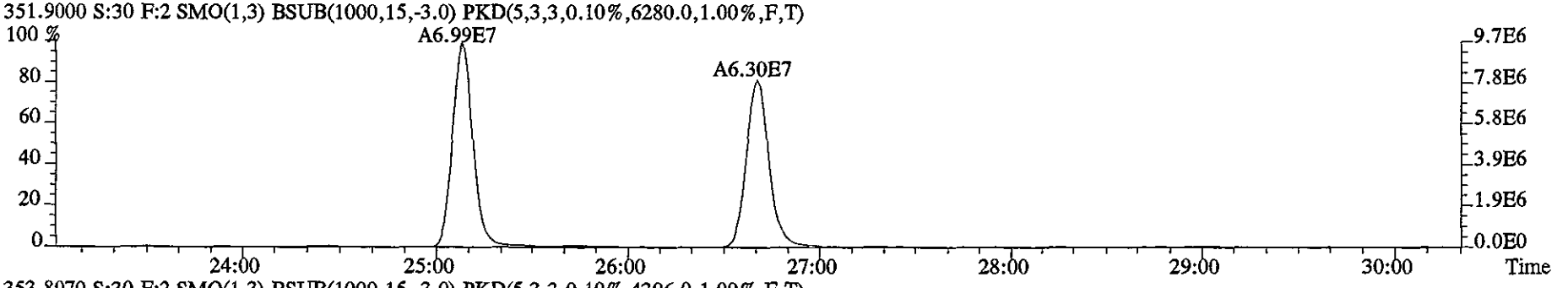
333.9339 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)

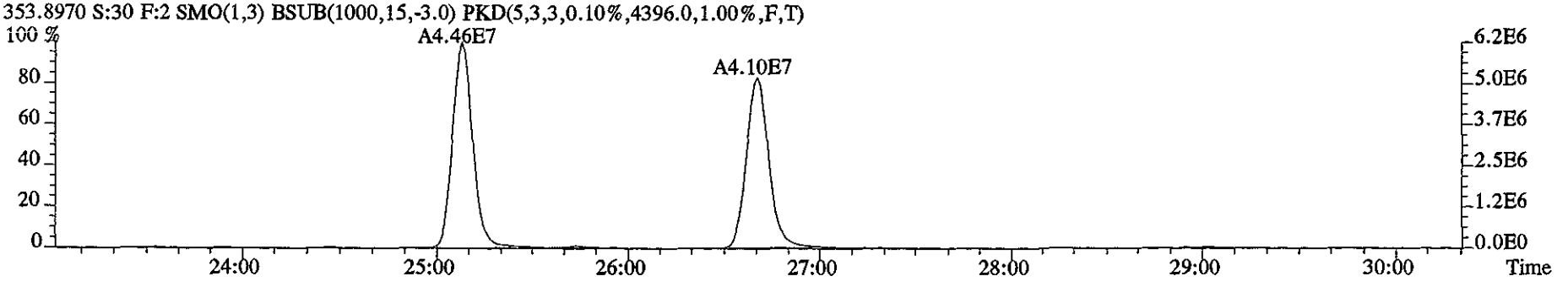


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES



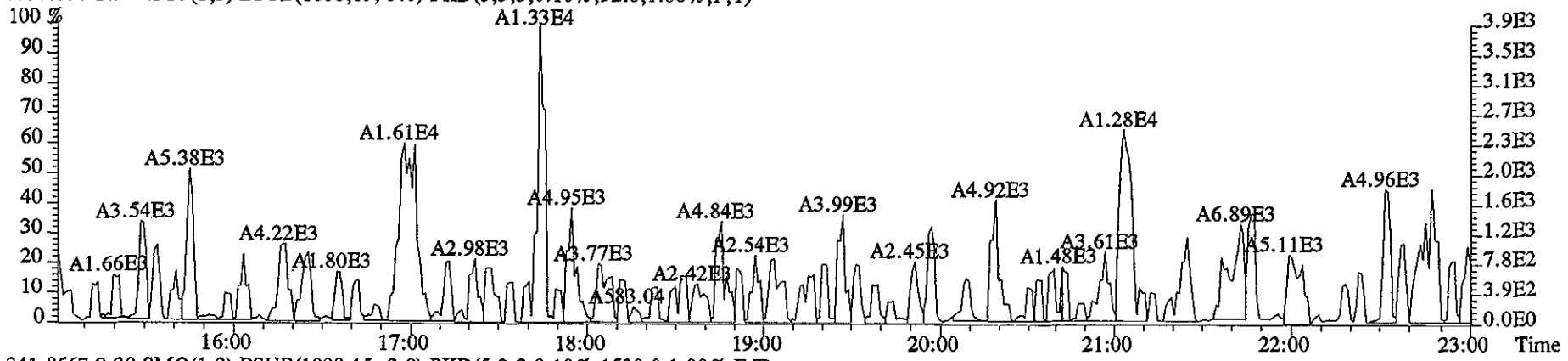




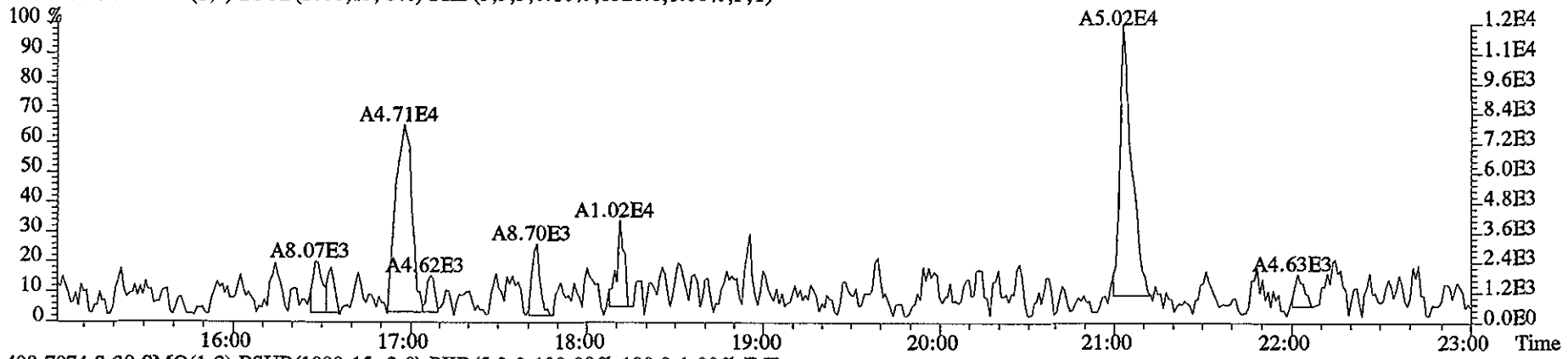


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

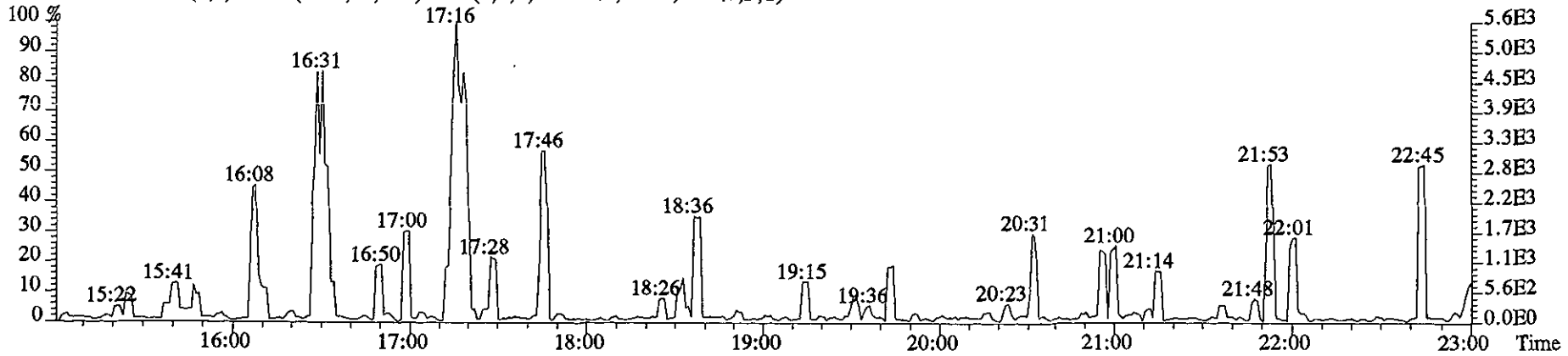
339.8597 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)



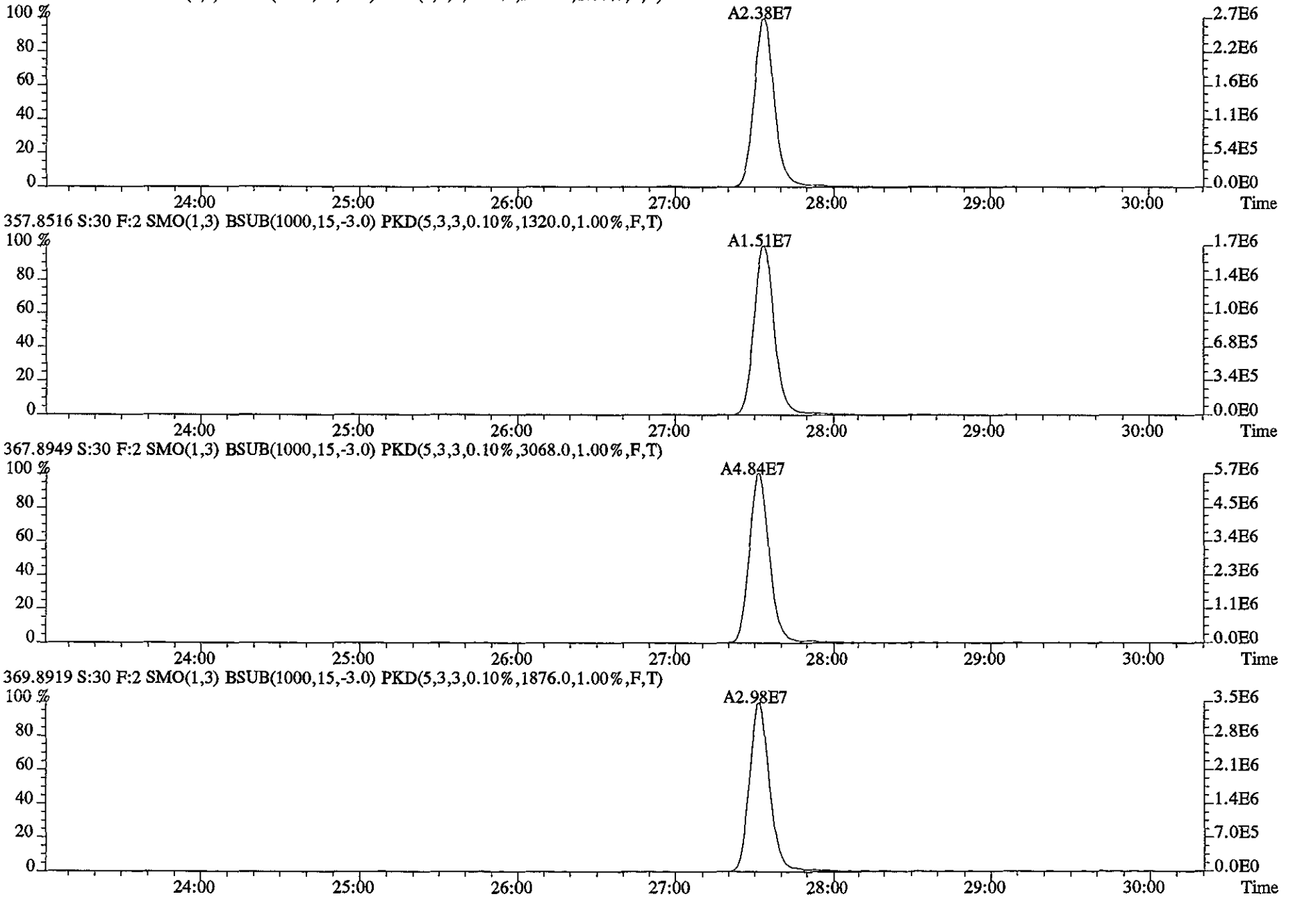
341.8567 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1520.0,1.00%,F,T)



409.7974 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)

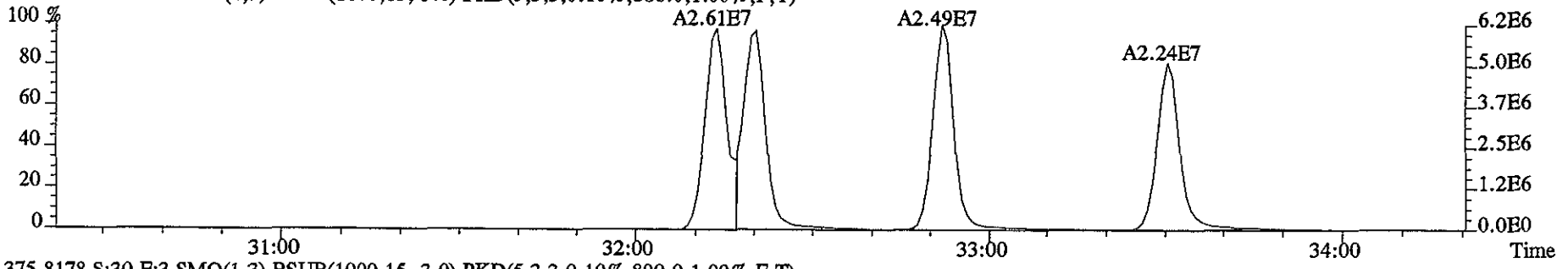


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

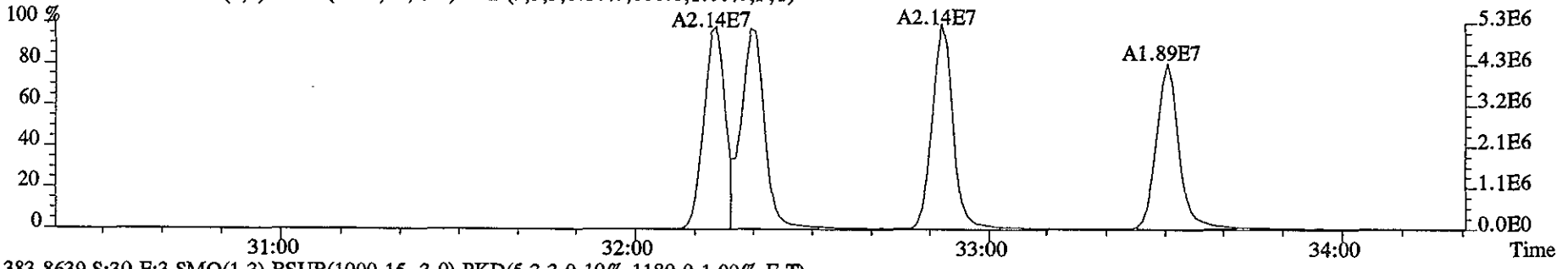


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

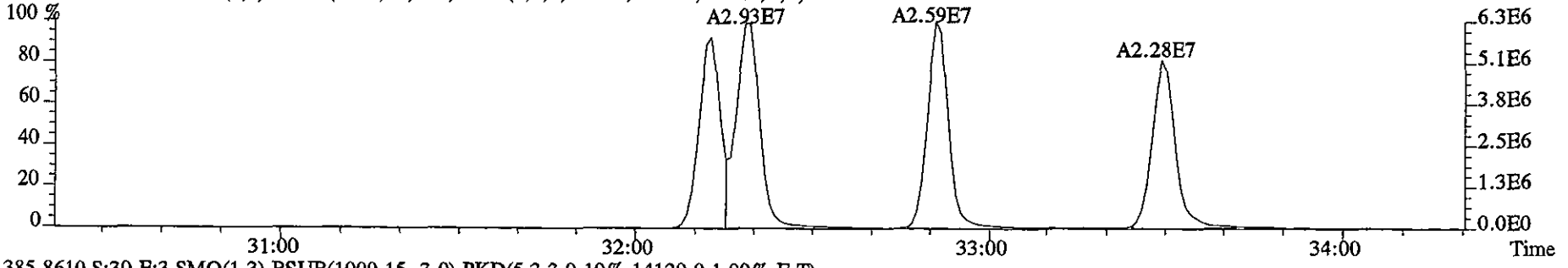
373.8208 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,868.0,1.00%,F,T)



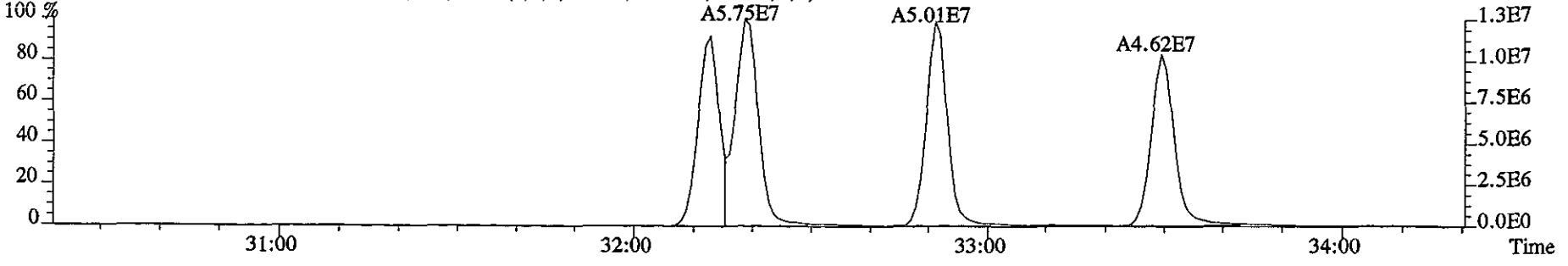
375.8178 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,800.0,1.00%,F,T)



383.8639 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1180.0,1.00%,F,T)

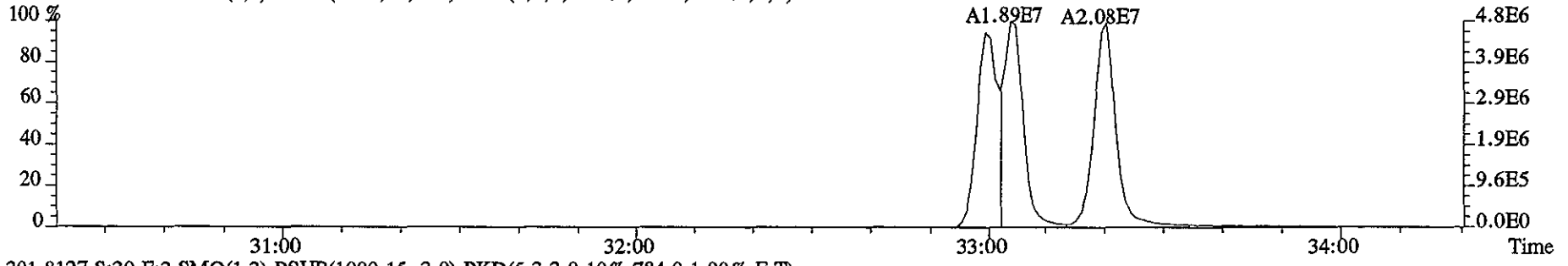


385.8610 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14120.0,1.00%,F,T)

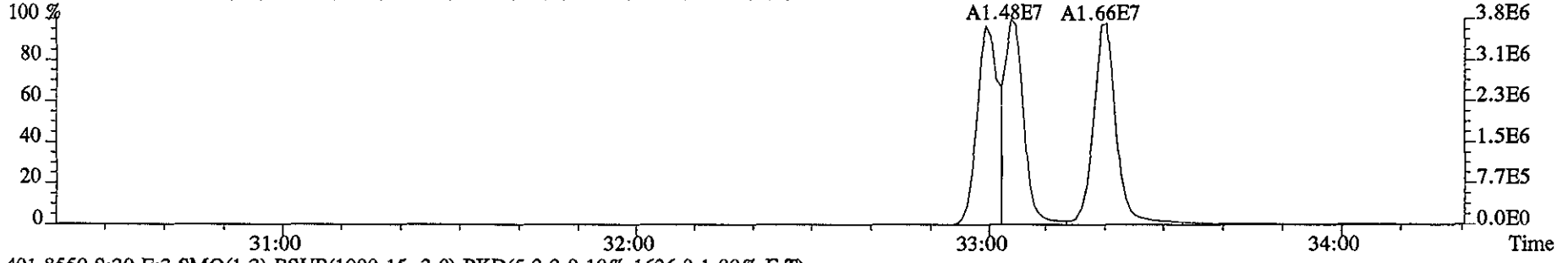


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

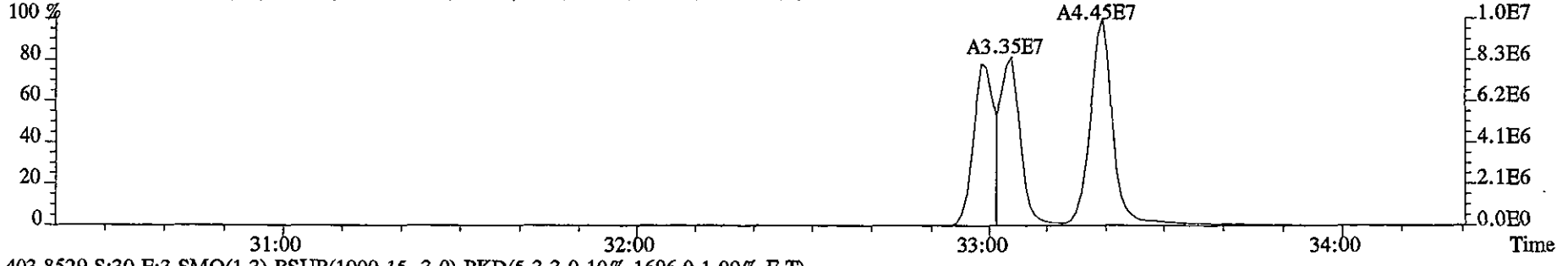
389.8157 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)



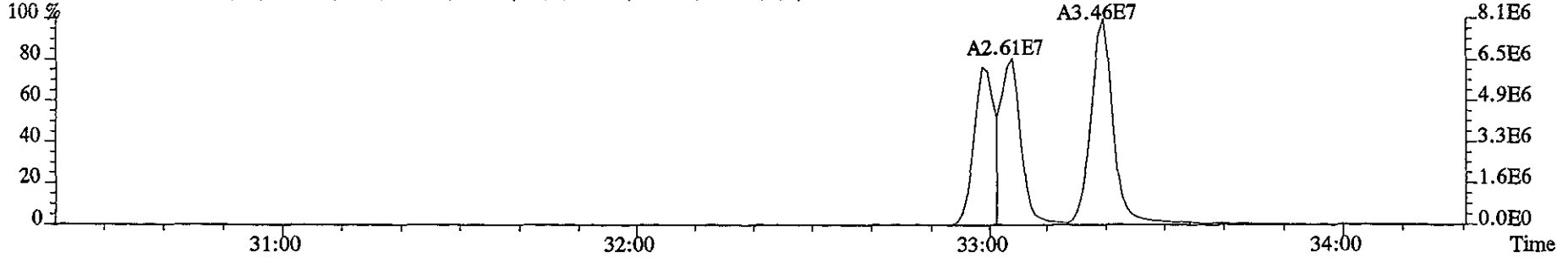
391.8127 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,784.0,1.00%,F,T)



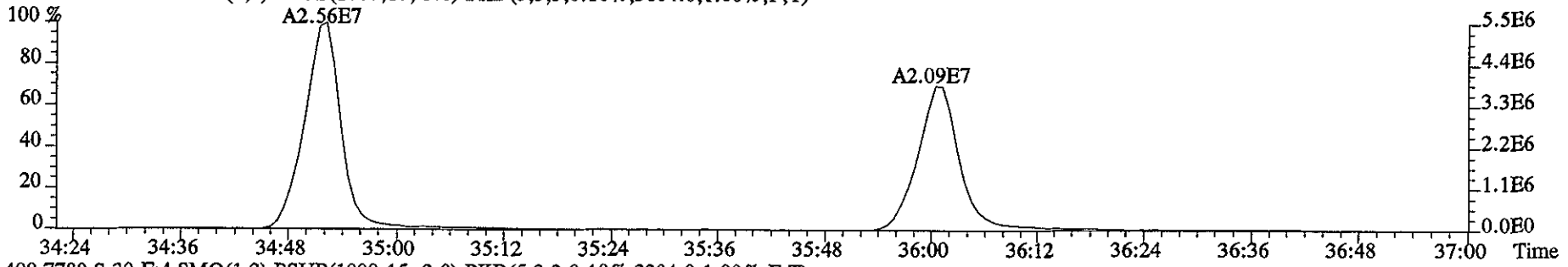
401.8559 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636.0,1.00%,F,T)

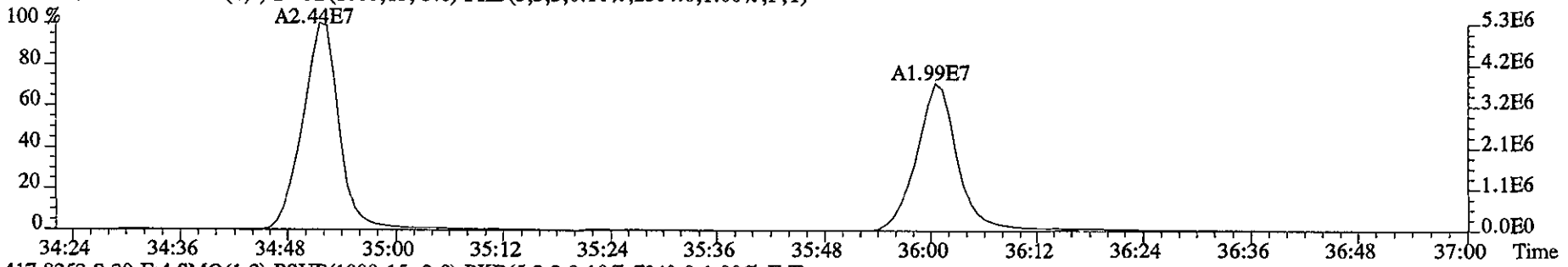


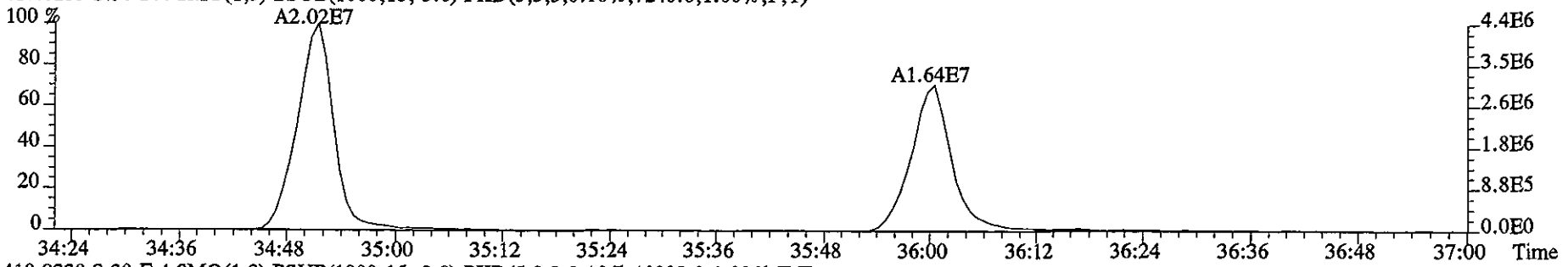
403.8529 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1696.0,1.00%,F,T)

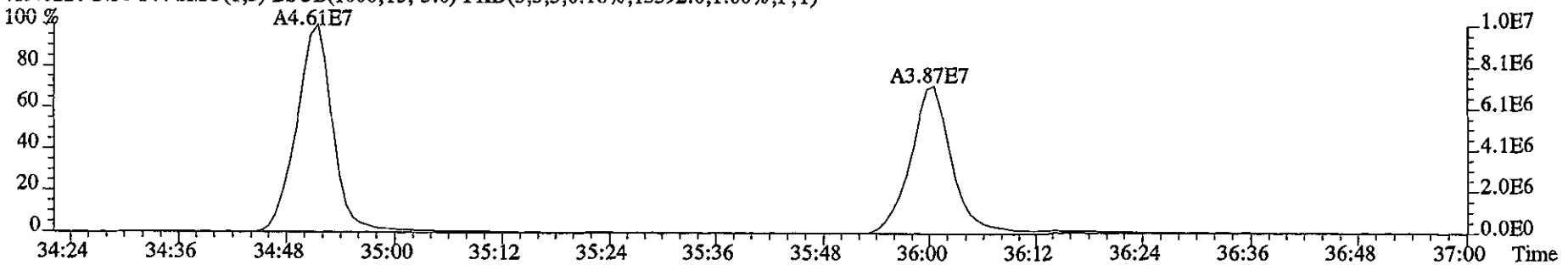


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

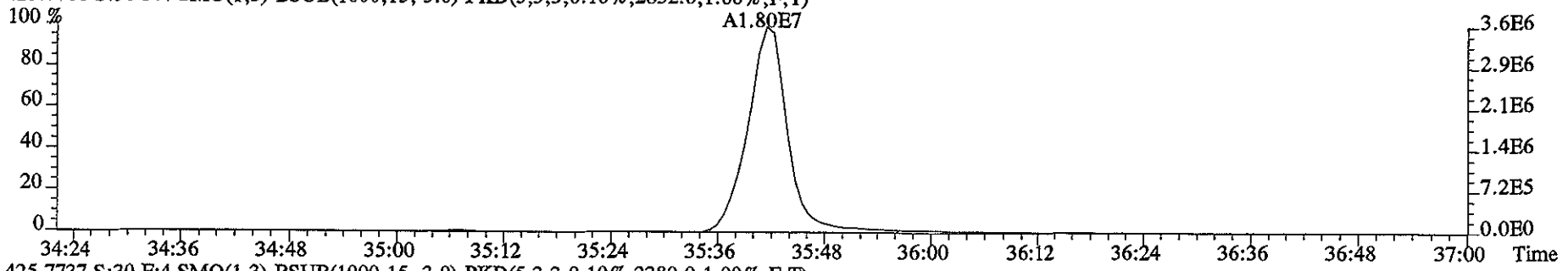


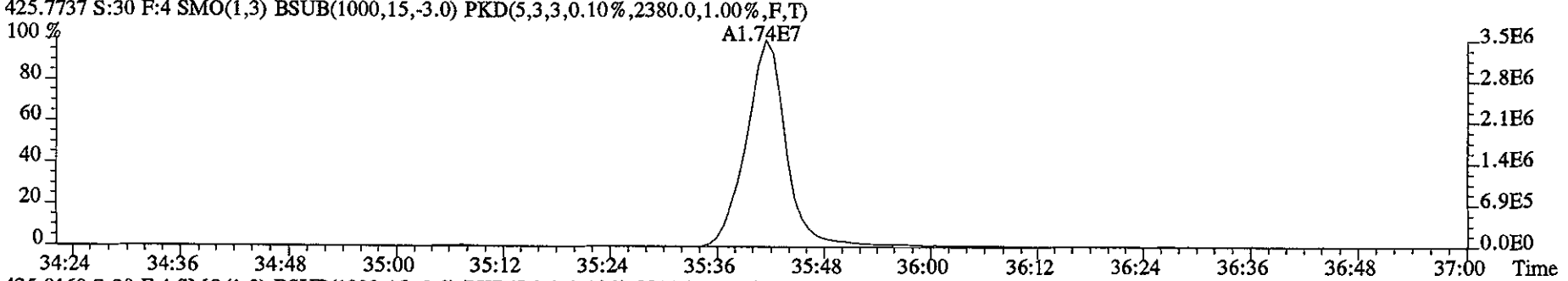


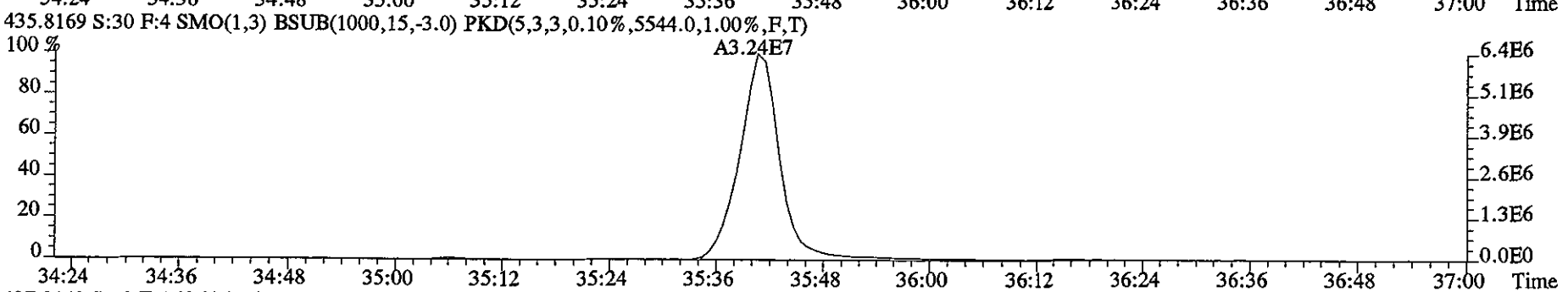


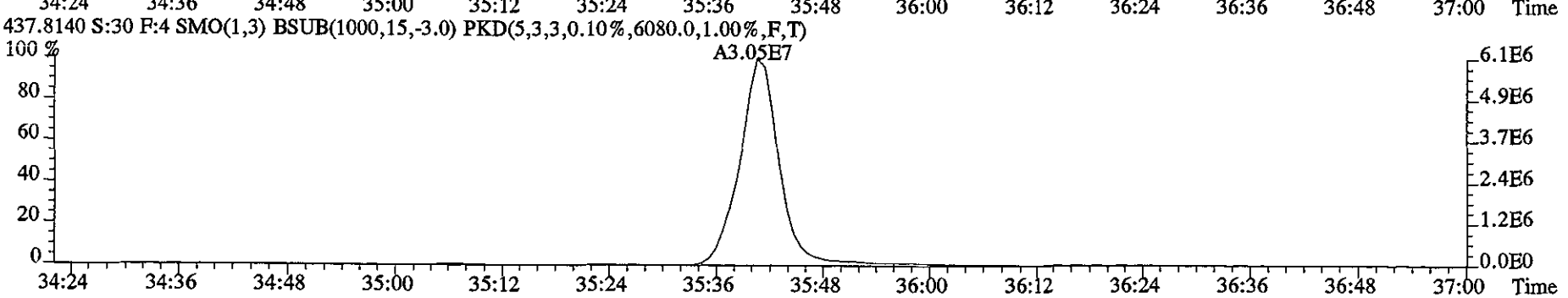


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

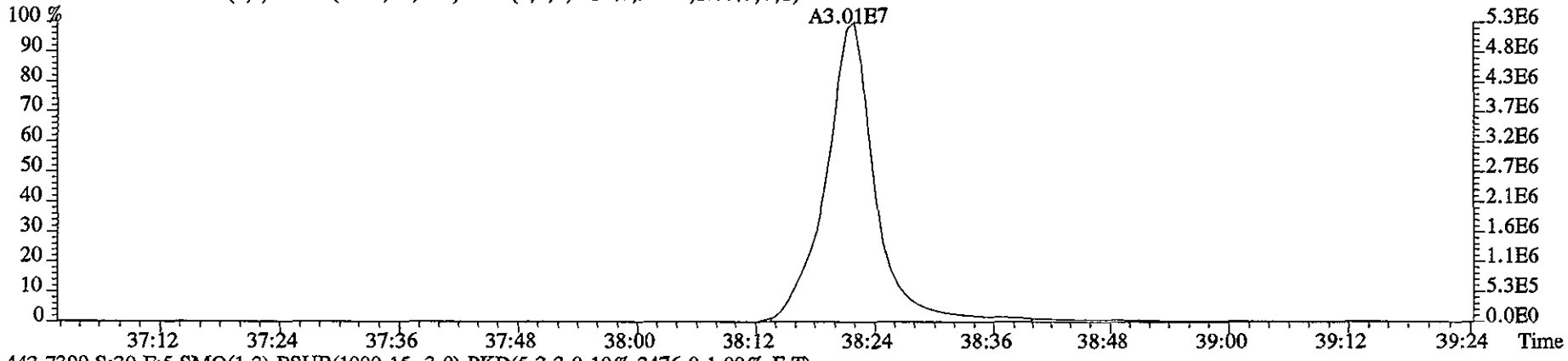




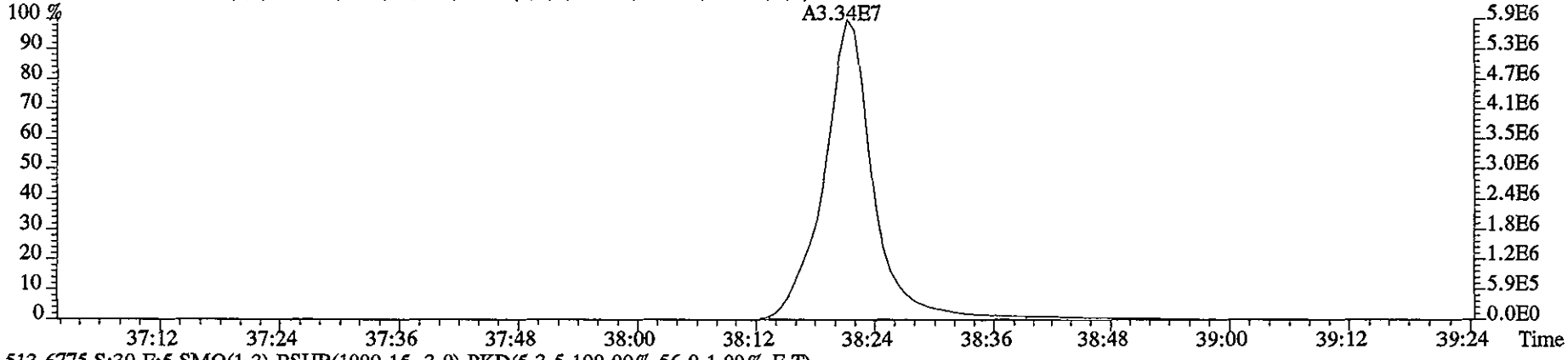




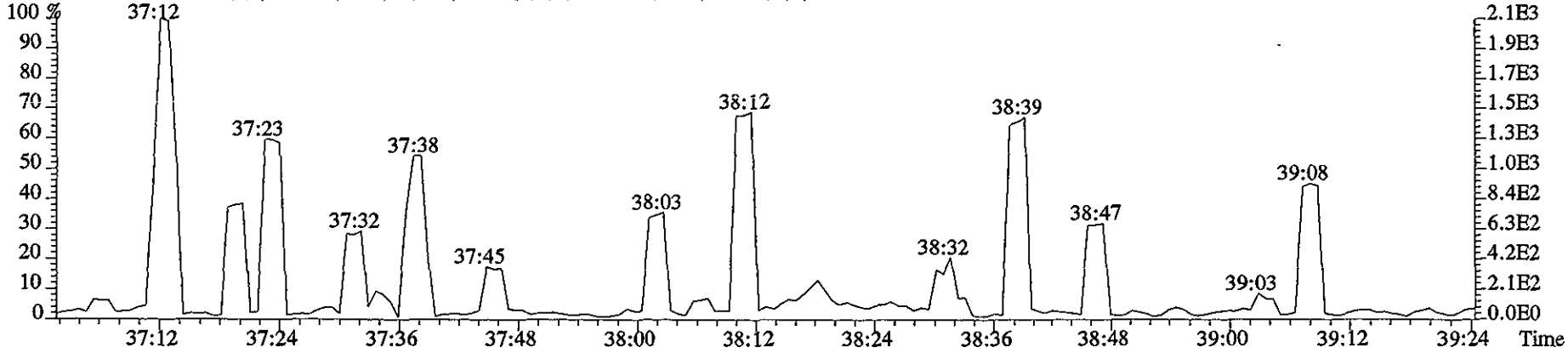
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES
441.7428 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)



443.7399 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3476.0,1.00%,F,T)

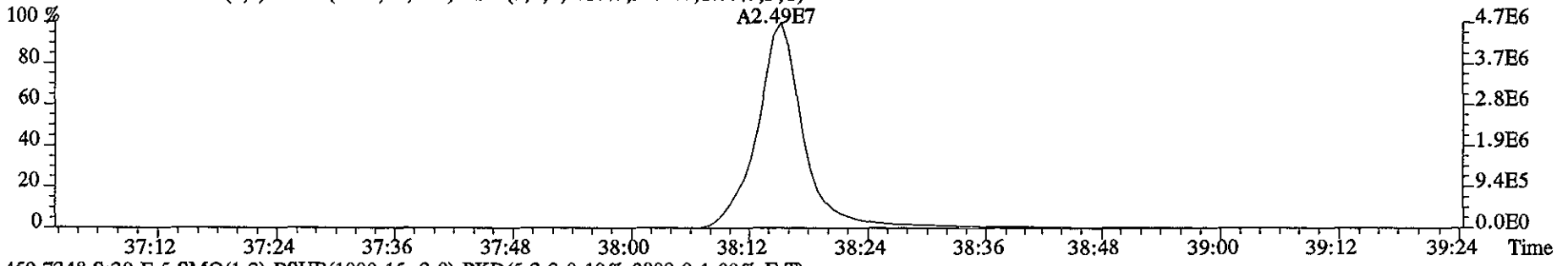


513.6775 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,56.0,1.00%,F,T)

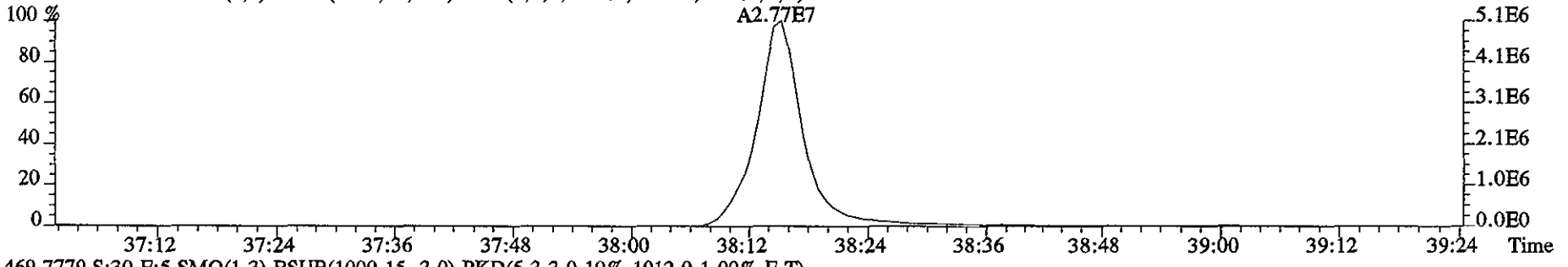


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES

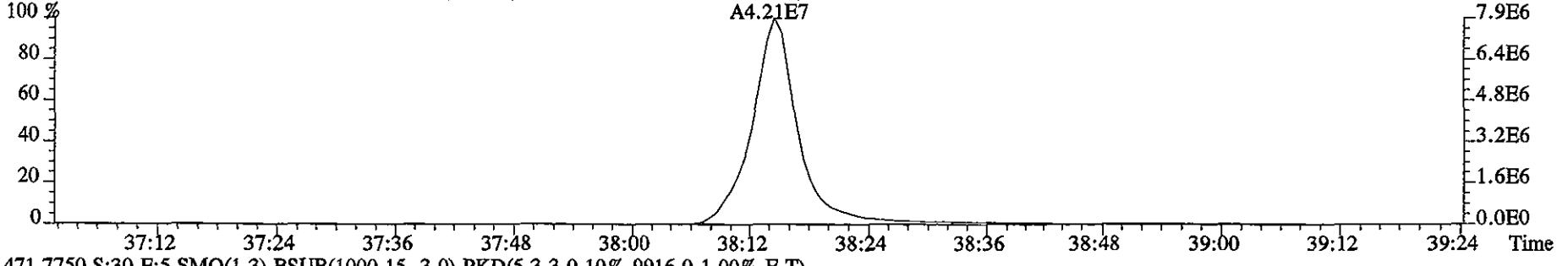
457.7377 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3972.0,1.00%,F,T)



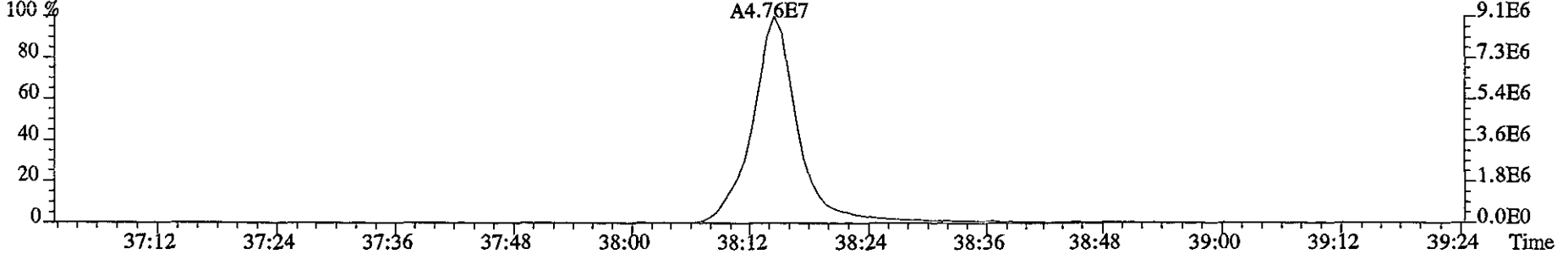
459.7348 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



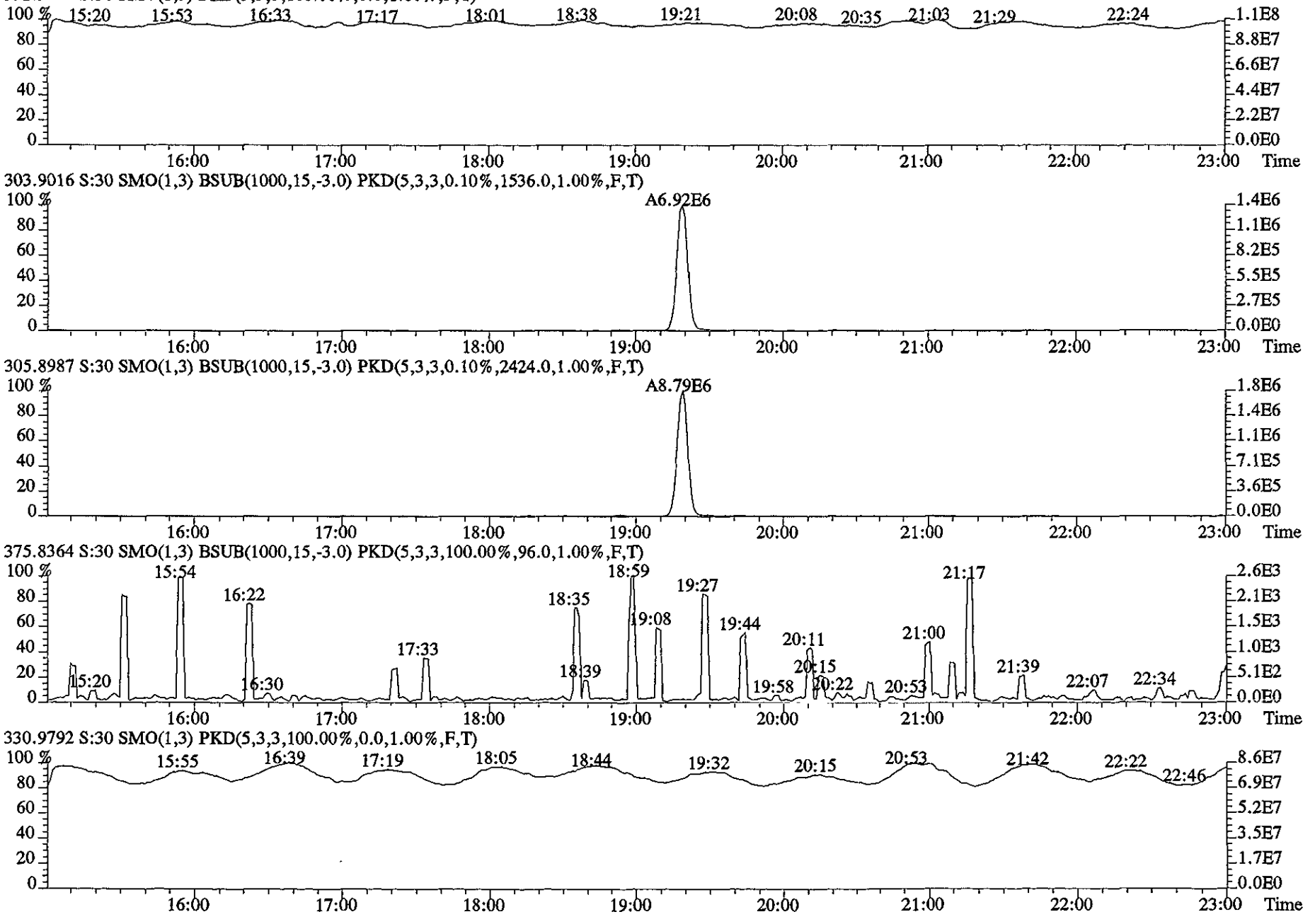
469.7779 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1912.0,1.00%,F,T)



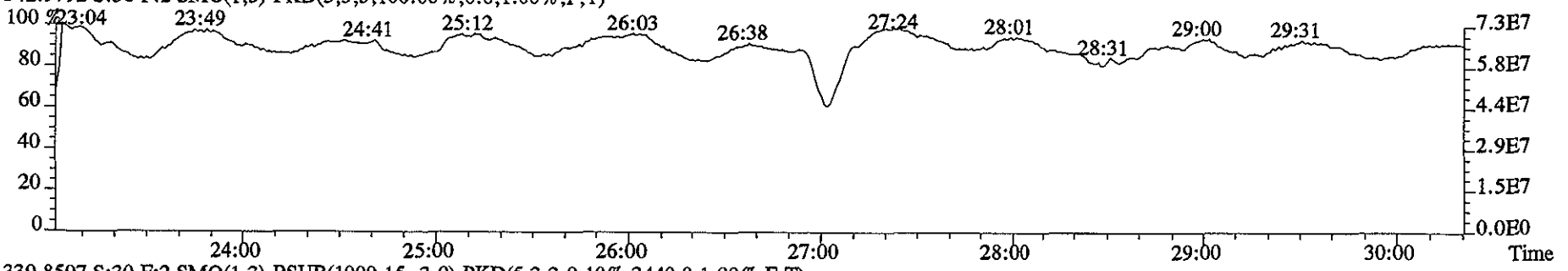
471.7750 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9916.0,1.00%,F,T)



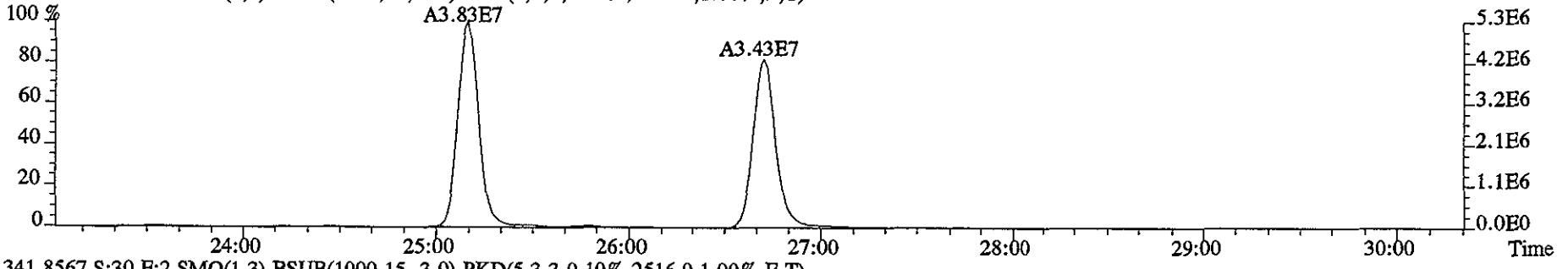
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES



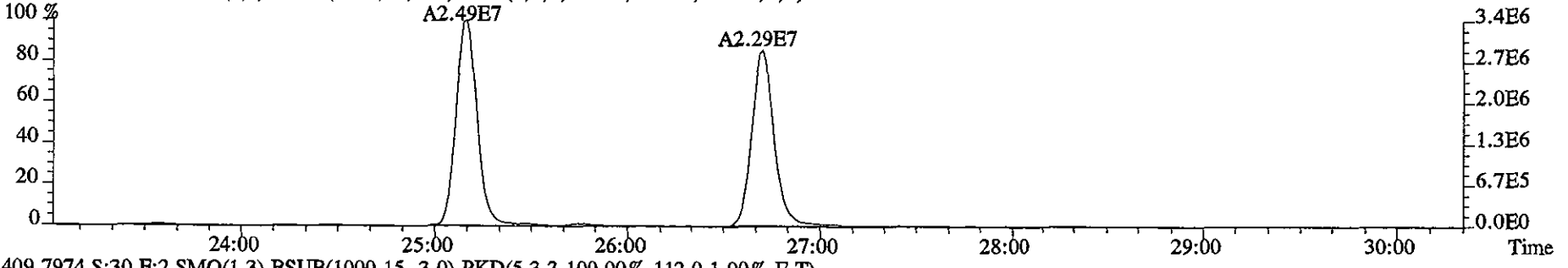
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES
342.9792 S:30 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



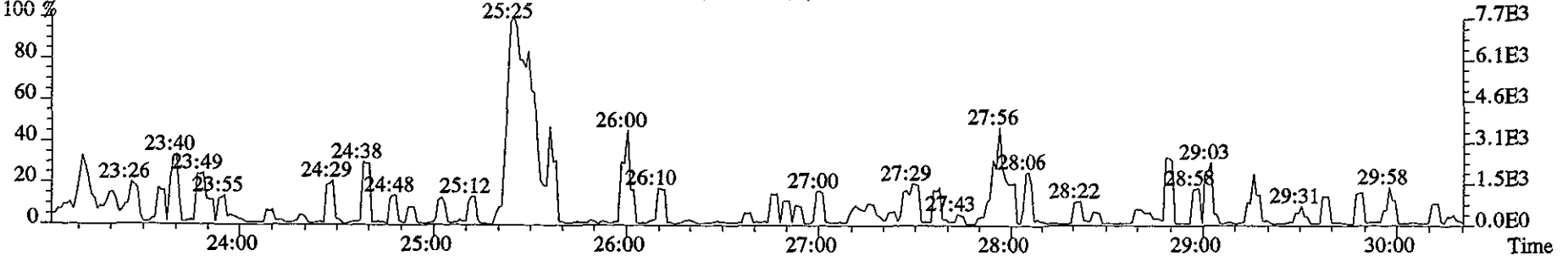
339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3440.0,1.00%,F,T)



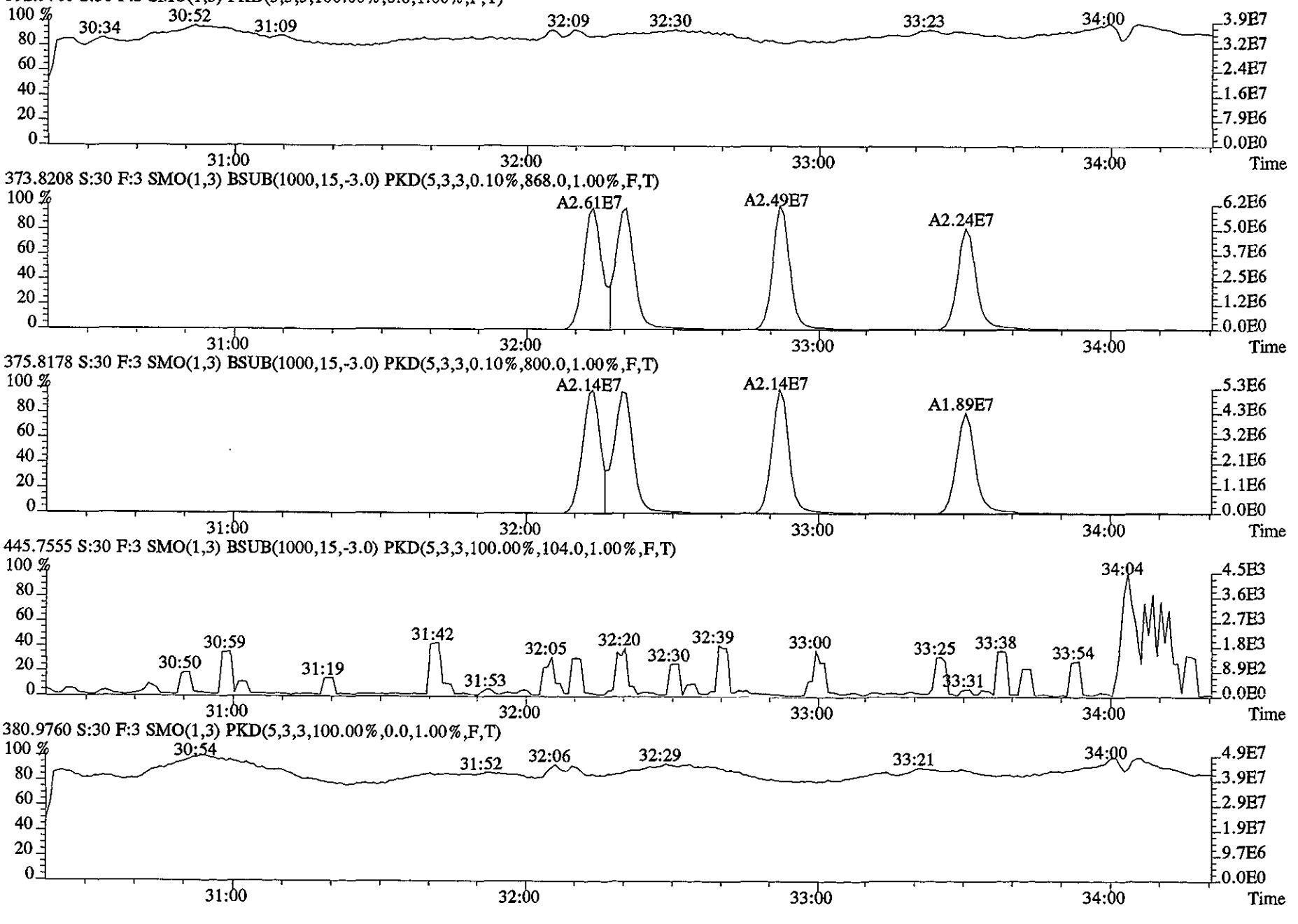
341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2516.0,1.00%,F,T)



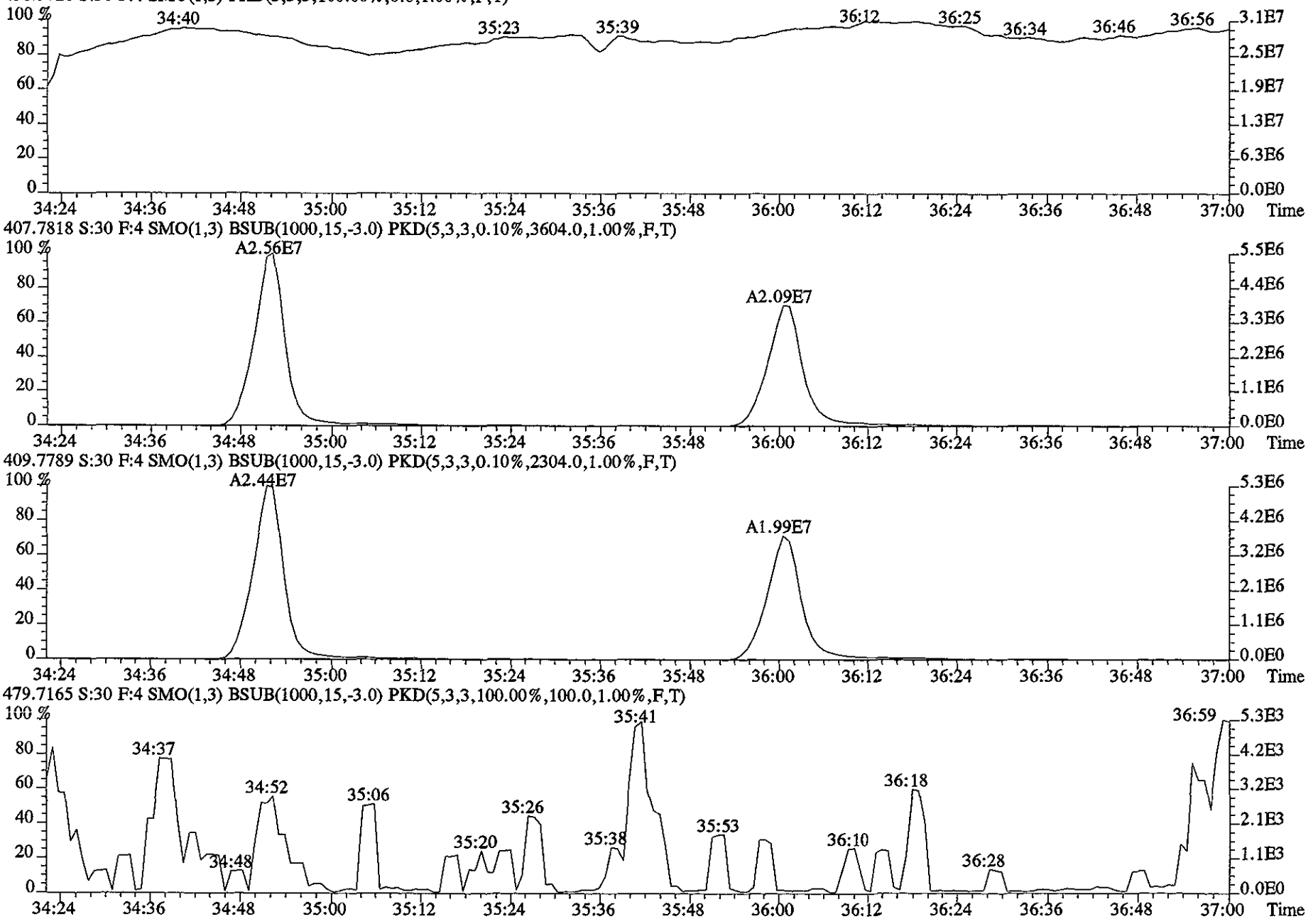
409.7974 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,112.0,1.00%,F,T)



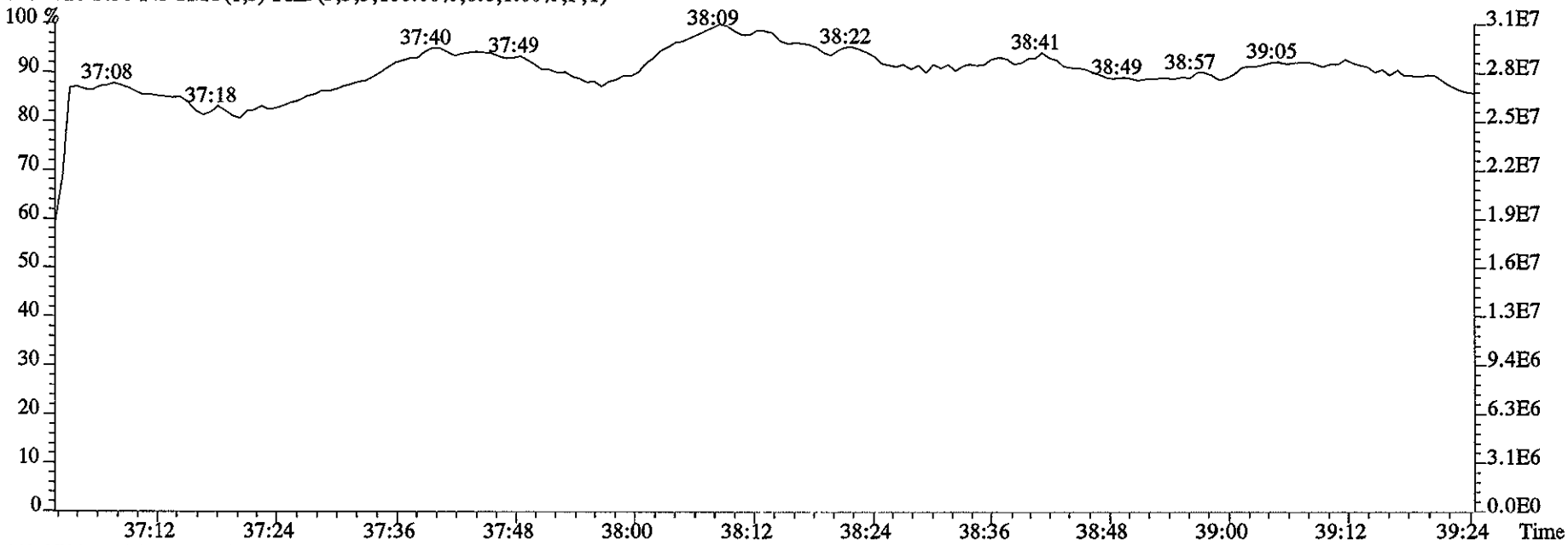
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES



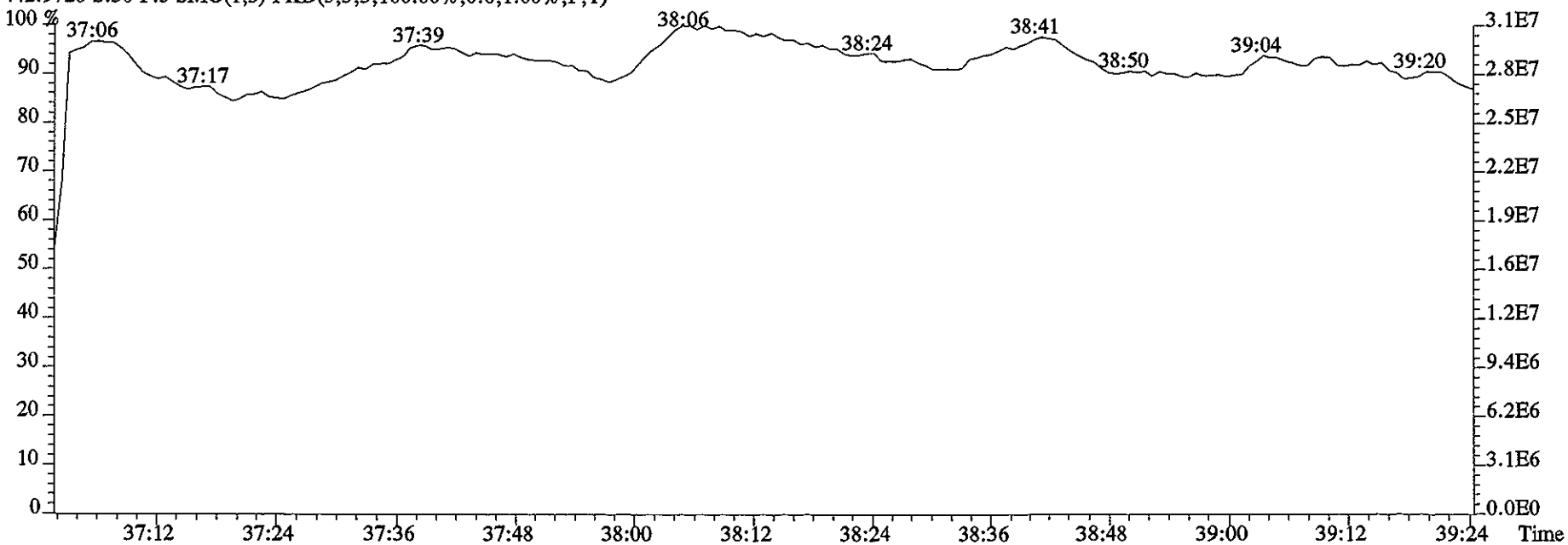
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS Exp:DIOXINRES



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 08:45:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#30 Text:L6L6Q-1-AD :G0I040476-1DCS 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)



Run text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1
Run #8 Filename: 13SE10A4D5 S: 23 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 03:33:19 Processed: 14-SEP-10 10:03:22
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 sam

AK 9/15/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	139486400	0.78	y	19:54	-	83.527	-	-	n
13C-2,3,7,8-TCDF	165100500	0.81	y	19:18	1.23	3851.265	2.718	96.3	n
2,3,7,8-TCDF	146206	0.66	y	19:21	0.99	3.562 J	1.138	-	n
Total TCDF	471634	0.93	n	17:26	0.99	~~11.490~~ 5.08	1.138	-	n
13C-2,3,7,8-TCDD	117227200	0.79	y	20:07	0.91	3714.337	6.342	92.9	n
2,3,7,8-TCDD	16860	0.25	n	20:08	0.98	~~0.585~~	1.380	-	n
Total TCDD	30562	0.66	y	18:11	0.98	~~1.060~~	1.380	-	n
37Cl-2,3,7,8-TCDD	107521400	1.00	y	20:08	1.33	2766.687	2.242	172.9	n
13C-1,2,3,7,8-PeCDF	110447000	1.58	y	25:08	0.88	3615.374	5.517	90.4	n
1,2,3,7,8-PeCDF	42476	1.25	n	25:11	1.08	~~1.429~~	1.594	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.05	*	1.641	-	n
Total F2 PeCDF	228590	1.87	n	23:36	1.06	~~7.781~~ 3.32	1.617	-	n
Total F1 PeCDF	117818	0.38	n	16:56	1.06	~~4.021~~	1.193	-	n
13C-1,2,3,7,8-PeCDD	74976700	1.58	y	27:32	0.66	3253.630	3.299	81.3	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*	3.704	-	n
Total PeCDD	132200	3.95	n	25:36	0.93	~~7.621~~ 6.66	3.704	-	n
13C-1,2,3,7,8,9-HxCDD	78466400	1.29	y	33:20	-	66.273	-	-	n
13C-1,2,3,4,7,8-HxCDF	75189200	0.50	y	32:13	1.04	3668.632	9.545	91.7	n
1,2,3,4,7,8-HxCDF	75352	1.21	y	32:14	1.22	3.293 J	1.223	-	n
1,2,3,6,7,8-HxCDF	29299	0.73	n	32:20	1.28	1.216 JQ	1.161	-	n
2,3,4,6,7,8-HxCDF	21676	1.25	y	32:53	1.23	~~0.935~~	1.207	-	n
1,2,3,7,8,9-HxCDF	22271	1.22	y	33:31	1.10	1.079	1.355	-	n
Total HxCDF	295769	1.04	n	30:59	1.21	~~13.007~~ 9.89	1.232	-	n
13C-1,2,3,6,7,8-HxCDD	60144400	1.28	y	33:04	0.83	3690.453	1.414	92.3	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.04	*	1.664	-	n
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	1.16	*	1.484	-	n
1,2,3,7,8,9-HxCDD	18115	0.85	n	33:21	1.18	~~1.020~~	1.460	-	n
Total HxCDD	66206	1.17	y	31:43	1.13	~~3.857~~ 1.93	1.531	-	n
13C-1,2,3,4,6,7,8-HpCDF	64171600	0.42	y	34:52	0.91	3594.736	10.027	89.9	n
1,2,3,4,6,7,8-HpCDF	231479	1.77	n	34:49	1.35	10.722 JQ	1.450	-	n
1,2,3,4,7,8,9-HpCDF	66924	1.12	y	36:02	1.09	3.815 J	1.785	-	n
Total HpCDF	396190	1.77	n	34:49	1.22	~~19.534~~ 18.65	1.600	-	n
13C-1,2,3,4,6,7,8-HpCDD	61454200	1.09	y	35:42	0.83	3789.914	5.804	94.7	n
1,2,3,4,6,7,8-HpCDD	122046	0.93	y	35:43	1.07	7.412 J	1.804	-	n
Total HpCDD	238540	1.09	y	35:07	1.07	~~14.488~~ 14.04	1.804	-	n
13C-OCDD	85506400	0.88	y	38:16	0.62	7031.605	11.072	87.9	n
OCDF	238784	1.02	n	38:22	1.37	16.304 JQ	2.485	-	n
OCDD	418555	0.94	y	38:17	1.20	32.652 J	2.375	-	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:9
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	5.74 of which	1.78 named and	3.96 unnamed
Conc:	11.49 of which	3.56 named and	7.93 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	17:26	0.93	n	1.69	36484	4.5	y	n
						39276	5.6	y	n
	2	18:01	0.65	n	0.90	16059	3.1	y	n
						24881	2.5	n	n
	3	18:18	2.03	n	0.71	33531	6.2	y	n
						16519	2.1	n	n
	4	18:36	0.94	n	1.21	26449	3.6	y	n
						28129	3.4	y	n
	5	18:42	0.83	y	0.96	17779	3.3	y	n
						21482	2.8	n	n
	6	18:54	1.10	n	1.52	38544	4.7	y	n
						35198	6.0	y	n
2,3,7,8-TCDF	7	19:21	0.66	y	3.56	58027	7.2	y	n
						88179	10.8	y	n
	8	19:48	0.73	y	0.49	8554	1.7	n	n
						11765	2.1	n	n
	9	20:22	0.53	n	0.44	7869	1.5	n	n
						14712	1.7	n	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:2
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	0.53 of which	0.29 named and	0.24 unnamed
Conc:	1.06 of which	0.58 named and	0.48 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	18:11	0.66	y	0.48	5440	1.9	n	n
						8262	1.9	n	n

2,3,7,8-TCDD	2	20:08	0.25	n	0.58	7334	1.2	n	n
						29552	4.5	y	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:6
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	3.89 of which	0.71 named and	3.18	unnamed
Conc:	7.78 of which	1.43 named and	6.35	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:36	1.87	n	3.32	71446	13.3	y	n
						38145	3.0	y	n
	2	24:09	1.14	n	0.51	8996	5.3	y	n
						7887	1.2	n	n
	3	24:28	0.82	n	0.75	13422	4.3	y	n
						16342	1.6	n	n
1,2,3,7,8-PeCDF	4	25:11	1.25	n	1.43	25819	7.2	y	n
						20703	1.8	n	n
	5	25:31	0.60	n	0.23	4103	2.2	n	n
						6811	0.9	n	n
	6	27:01	0.30	n	1.54	27482	6.3	y	n
						92946	6.6	y	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:4
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4╗

Amount:	2.01 of which	* named and	2.01	unnamed	
Conc:	4.02 of which	* named and	4.02	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:56	0.38	n	1.10	19590	44.4	y	n
						51591	6.9	y	n
	2	18:22	1.02	n	0.45	8014	13.9	y	n
						7839	1.4	n	n
	3	21:03	0.41	n	1.05	18712	35.1	y	n
						45995	3.8	y	n
	4	21:48	1.14	n	1.42	25299	46.3	y	n
						22186	2.6	n	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:2
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4╗

Amount:	3.81 of which	* named and	3.81	unnamed	
Conc:	7.62 of which	* named and	7.62	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	25:36	3.95	n	0.96	25767	2.6	n	n
						6530	2.3	n	n
	2	27:00	3.76	n	6.66	170460	13.4	y	n
						45313	7.5	y	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:8
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4╗

Amount:	6.50 of which	3.26 named and	3.24	unnamed	
Conc:	13.01 of which	6.52 named and	6.48	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:59	1.04	n	1.56	19589	3.0	n	n
						18778	4.3	y	n
	2	31:11	1.03	n	3.82	47999	7.4	y	n
						46682	10.1	y	n
	3	31:48	2.53	n	0.49	12651	2.9	n	n
						5005	2.0	n	n
1,2,3,4,7,8-HxCDF	4	32:14	1.21	y	3.29	41258	8.5	y	n
						34094	10.1	y	n
1,2,3,6,7,8-HxCDF	5	32:20	0.73	n	1.22	16219	3.3	y	n
						22350	6.7	y	n
	6	32:40	2.26	n	0.61	14012	2.1	n	n
						6189	2.5	n	n
2,3,4,6,7,8-HxCDF	7	32:53	1.25	y	0.93	12033	2.4	n	n
						9643	2.3	n	n
1,2,3,7,8,9-HxCDF	8	33:31	1.22	y	1.08	12259	1.9	n	n
						10011	2.5	n	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:3
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1.93 of which	0.51 named and	1.42 unnamed
Conc:	3.86 of which	1.02 named and	2.84 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:43	1.17	y	0.91	8299	1.8	n	n
						7118	2.1	n	n
	2	32:29	1.14	y	1.93	17388	2.6	n	n
						15287	4.1	y	n
1,2,3,7,8,9-HxCDD	3	33:21	0.85	n	1.02	10028	2.2	n	n
						11863	3.1	y	n

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	9.77 of which	7.27 named and	2.50	unnamed
Conc:	19.53 of which	14.54 named and	5.00	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:49	1.77	n	10.72	201008	18.7	y	n
						113470	29.7	y	n
	2	35:04	0.54	n	0.88	8769	2.3	n	n
						16118	6.1	y	n
	3	35:12	1.10	y	4.12	42278	6.7	y	n
						38307	9.5	y	n
1,2,3,4,7,8,9-HpCDF	4	36:02	1.12	y	3.82	35416	5.1	y	n
						31508	7.2	y	n

18.65

Run Text: L6K6V-1-AA Sample text: L6K6V-1-AA :G0I040476-1

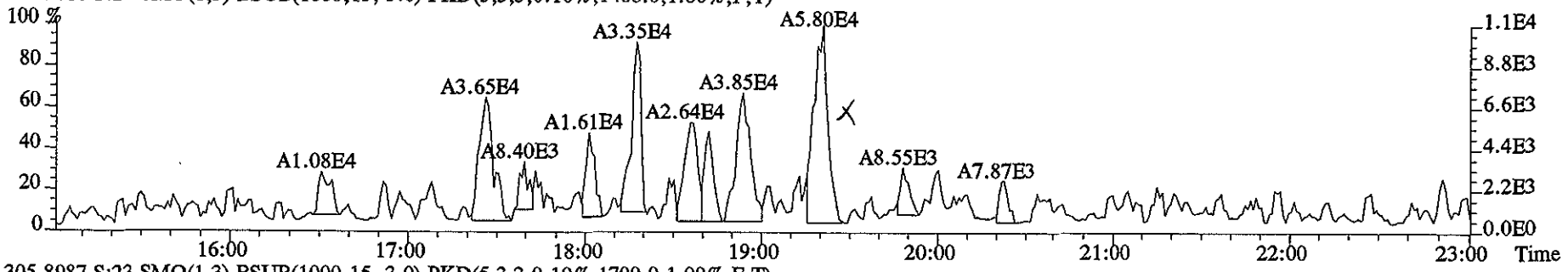
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3
Run: 8 File: 13SE10A4D5 S:23 Acq:14-SEP-10 03:33:19
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

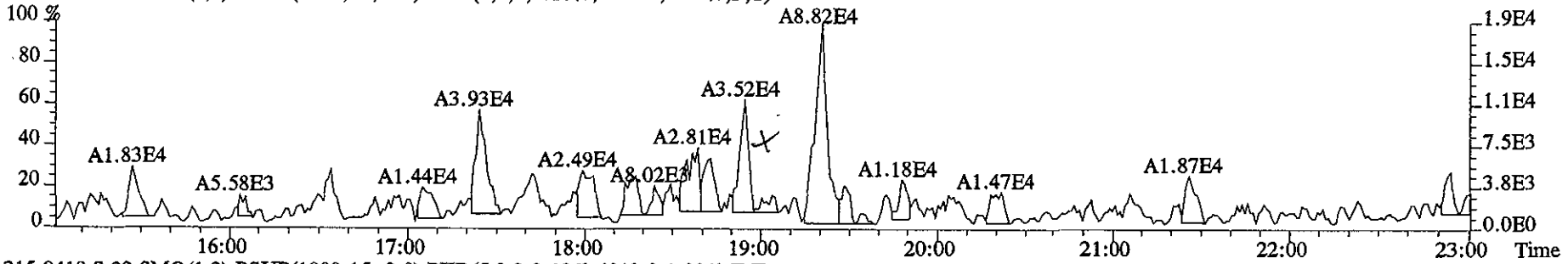
Amount:	7.24 of which	3.71 named and	3.54	unnamed
Conc:	14.49 of which	7.41 named and	7.08	unnamed

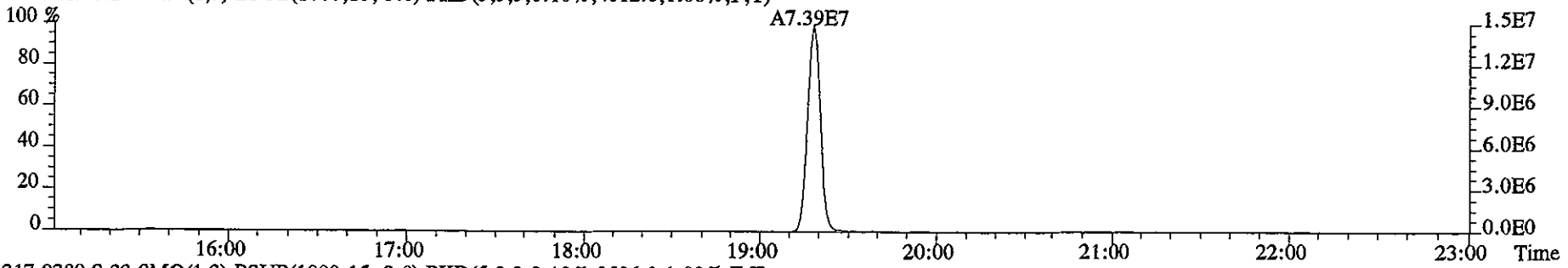
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	35:07	1.09	y	6.63	57045	11.2	y	n
						52115	15.5	y	n
1,2,3,4,6,7,8-HpCDD	2	35:43	0.93	y	7.41	58650	12.3	y	n
						63396	12.6	y	n
	3	35:50	0.94	y	0.45	3548	1.6	n	n
						3786	1.7	n	n

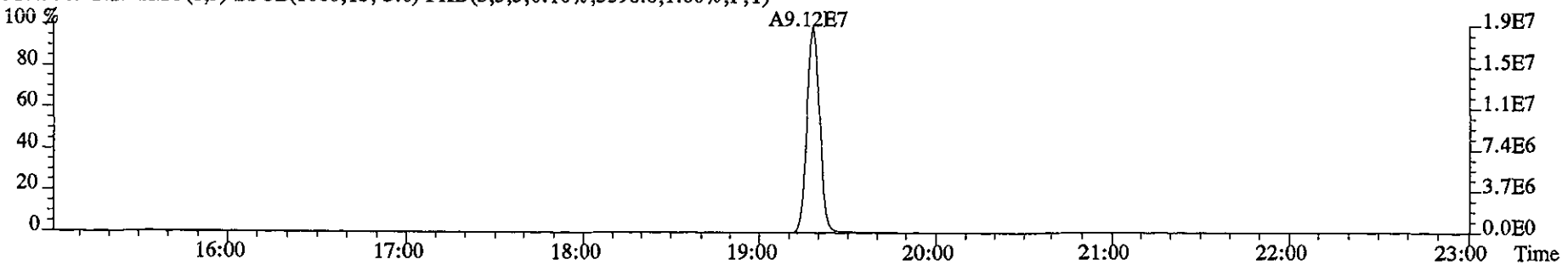
14.04

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

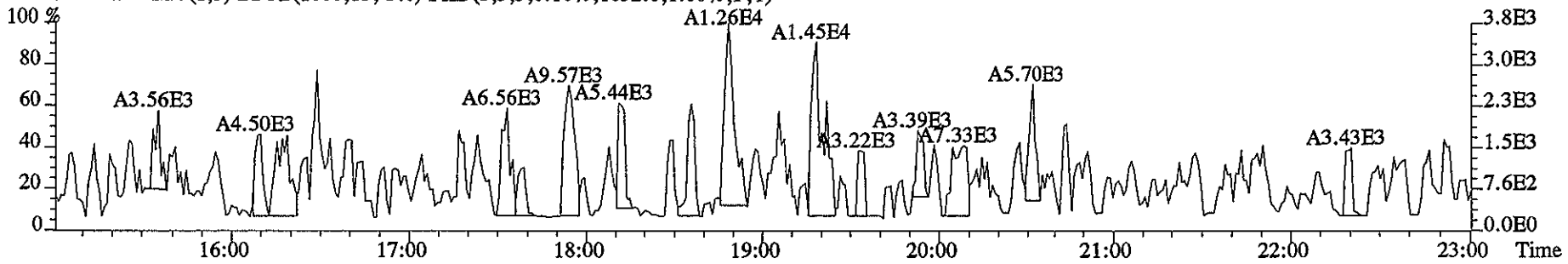


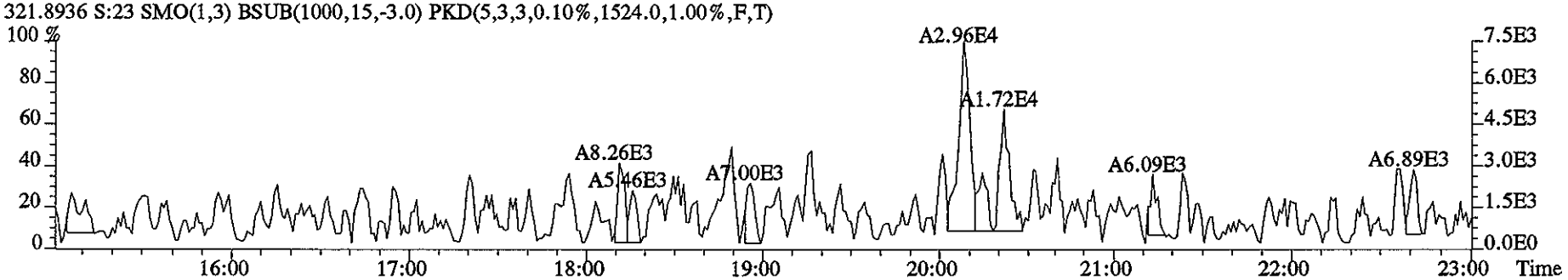


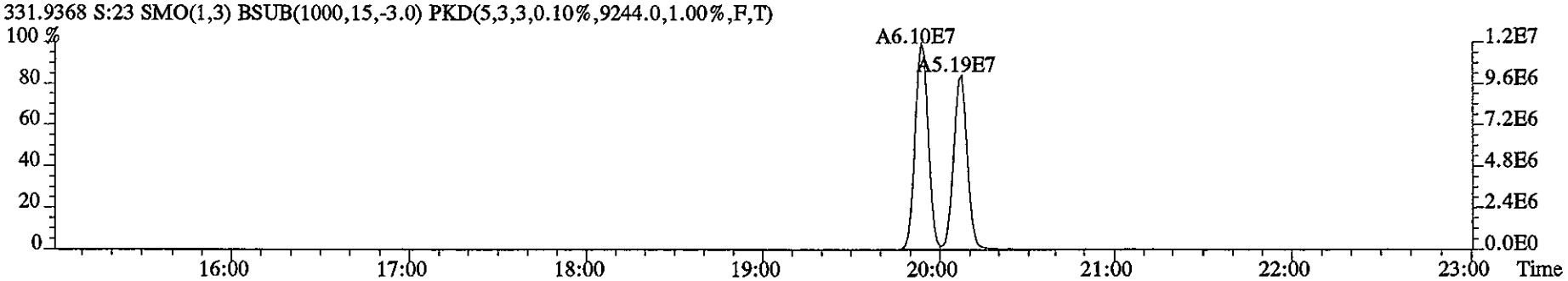


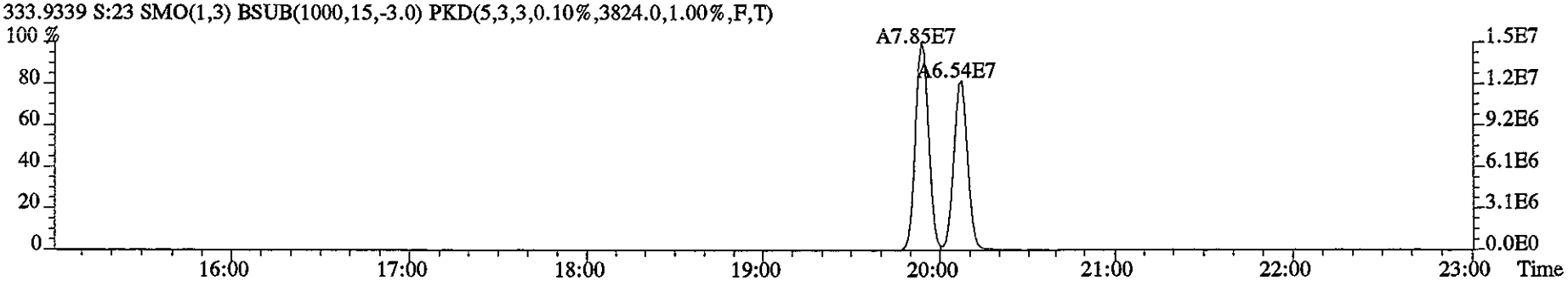


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES



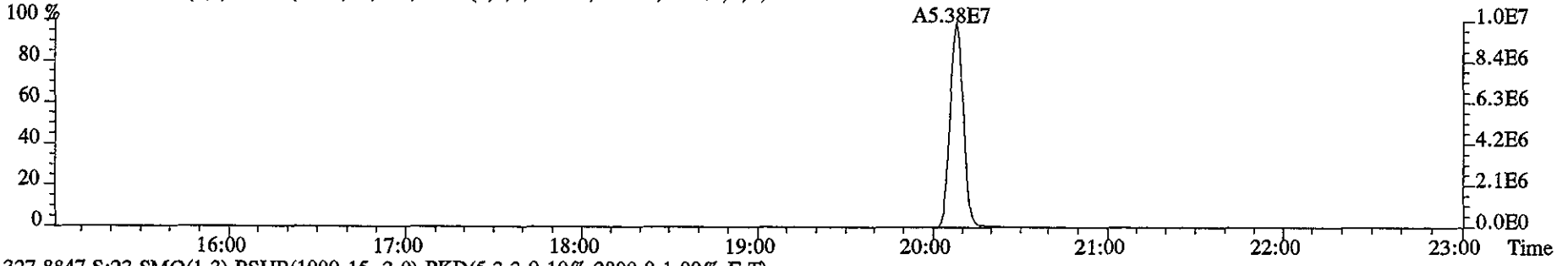




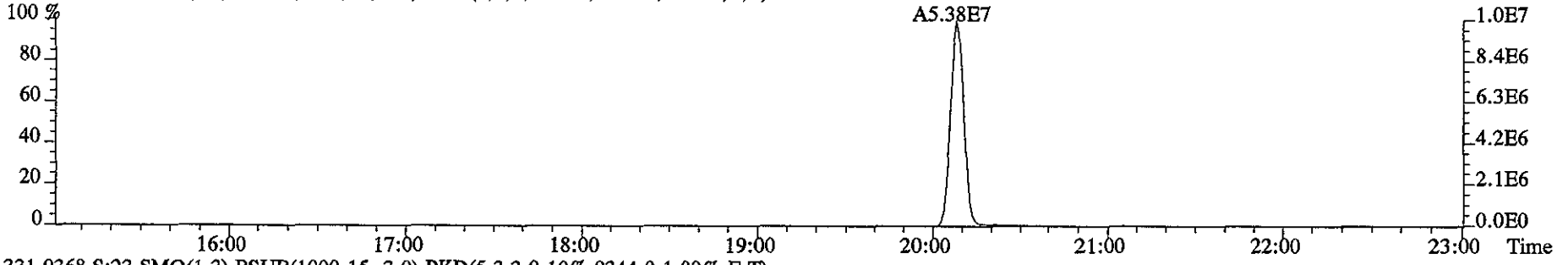


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

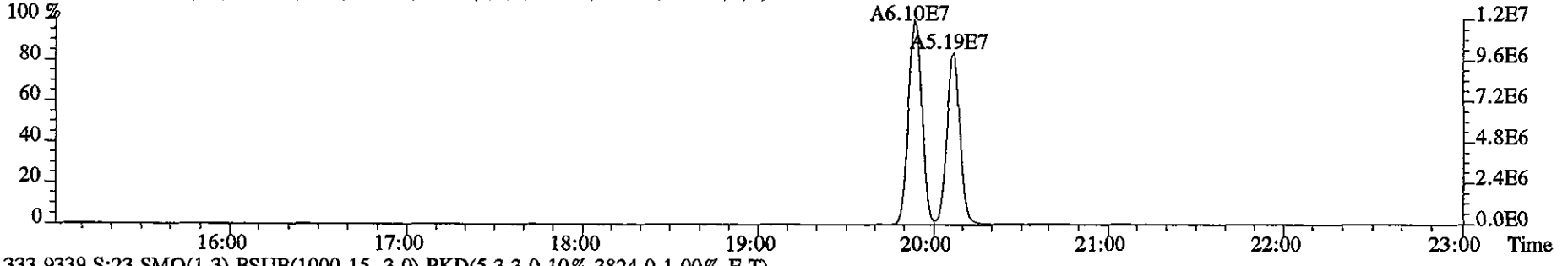
327.8847 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



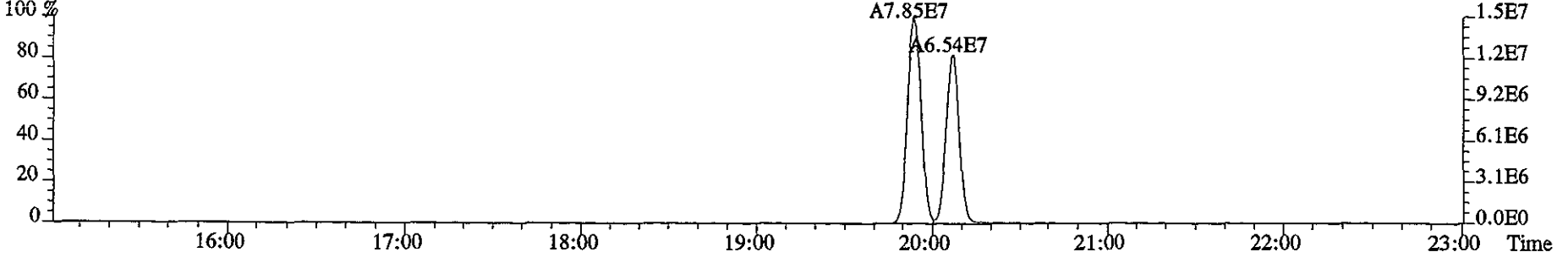
327.8847 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2800.0,1.00%,F,T)



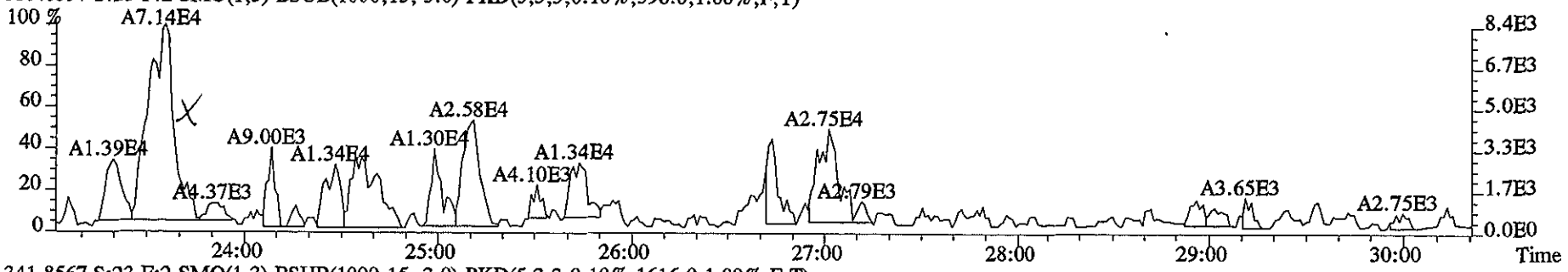
331.9368 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9244.0,1.00%,F,T)



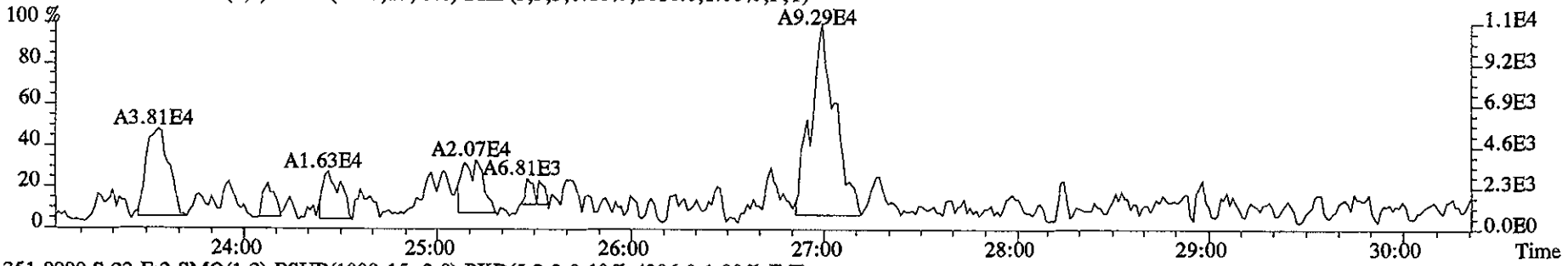
333.9339 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3824.0,1.00%,F,T)



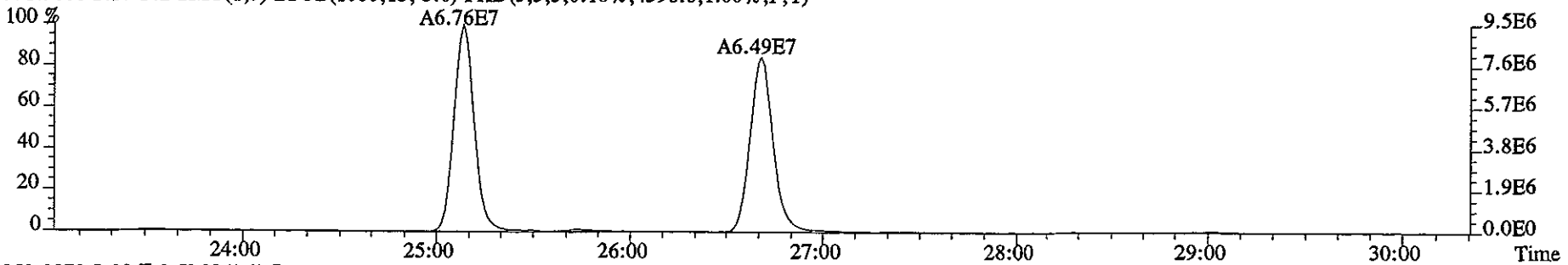
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES
339.8597 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,596.0,1.00%,F,T)



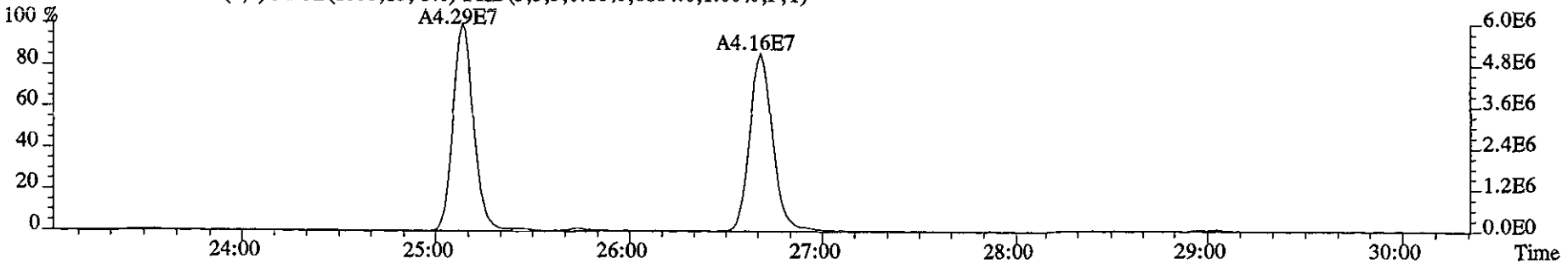
341.8567 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1616.0,1.00%,F,T)



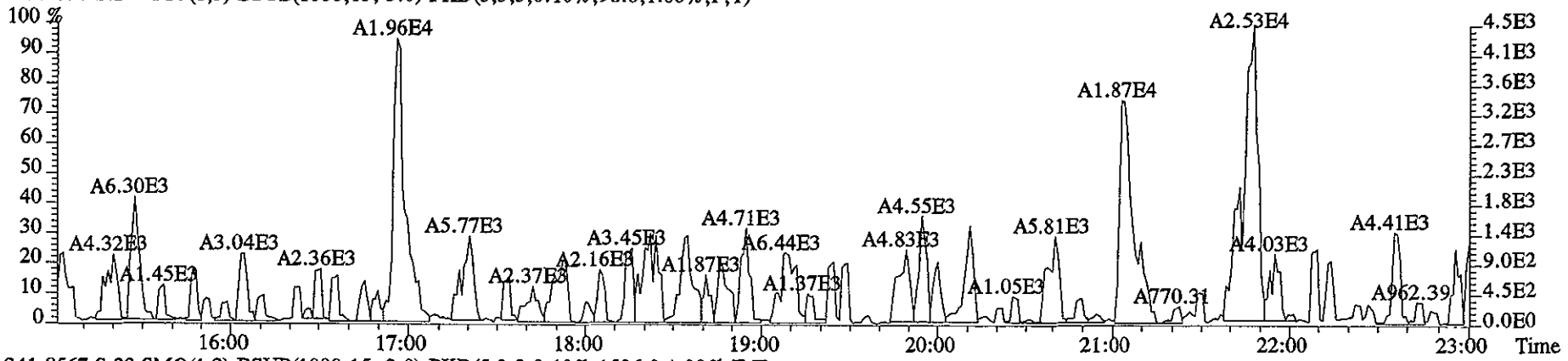
351.9000 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4396.0,1.00%,F,T)



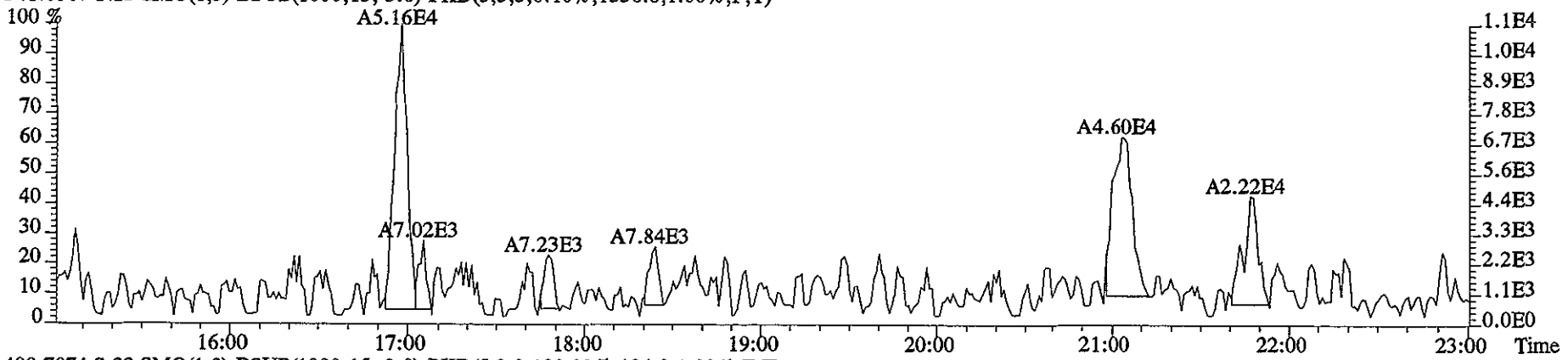
353.8970 S:23 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6604.0,1.00%,F,T)



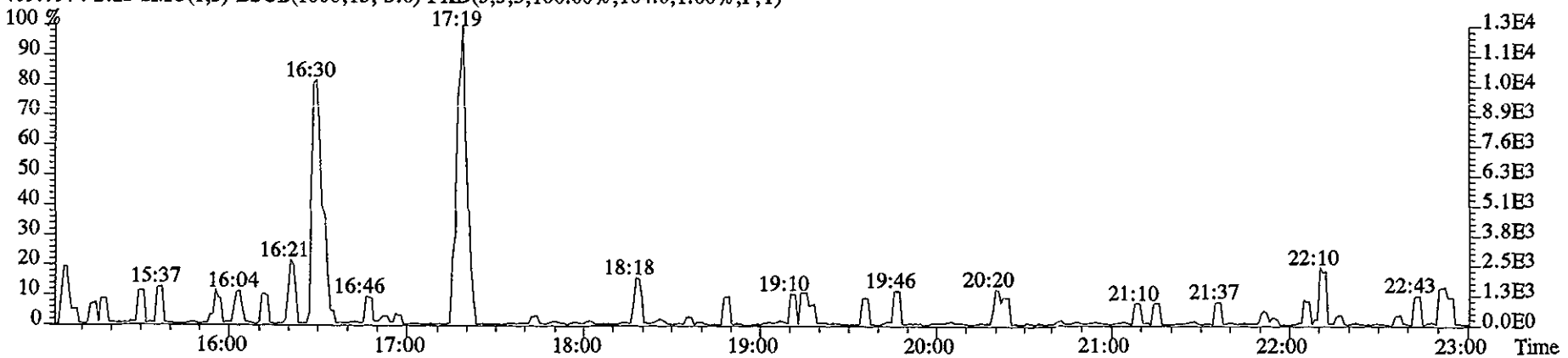
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES
339.8597 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



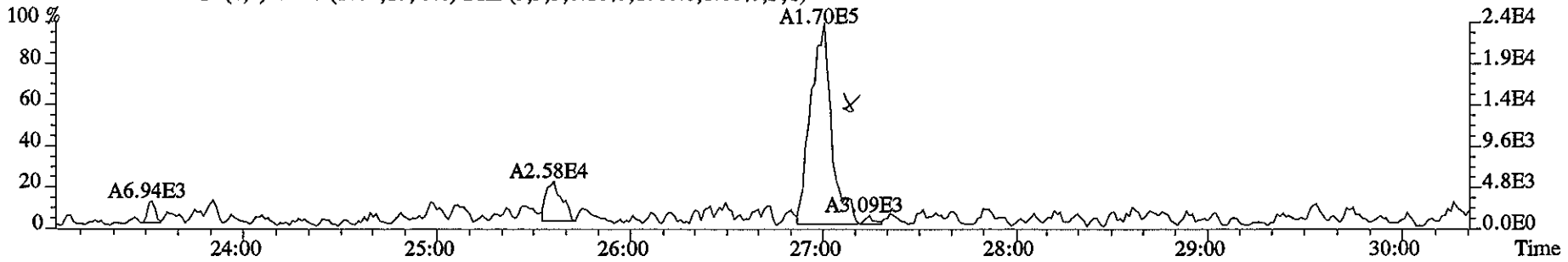
341.8567 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1536.0,1.00%,F,T)

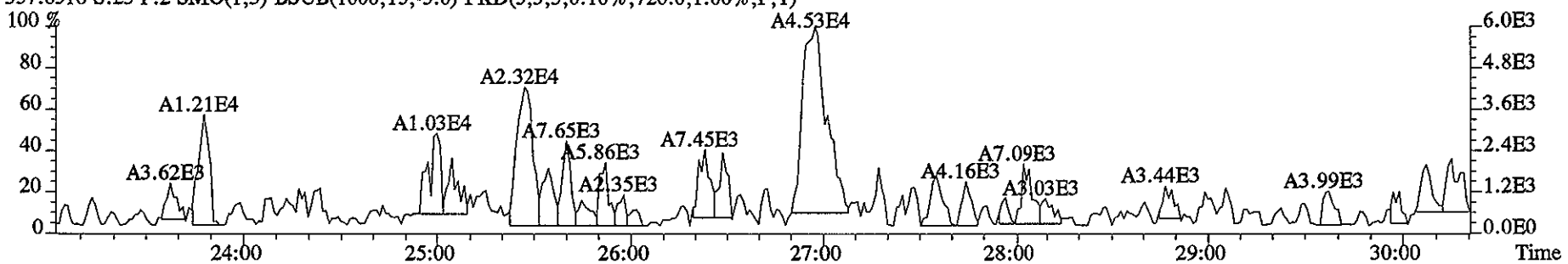


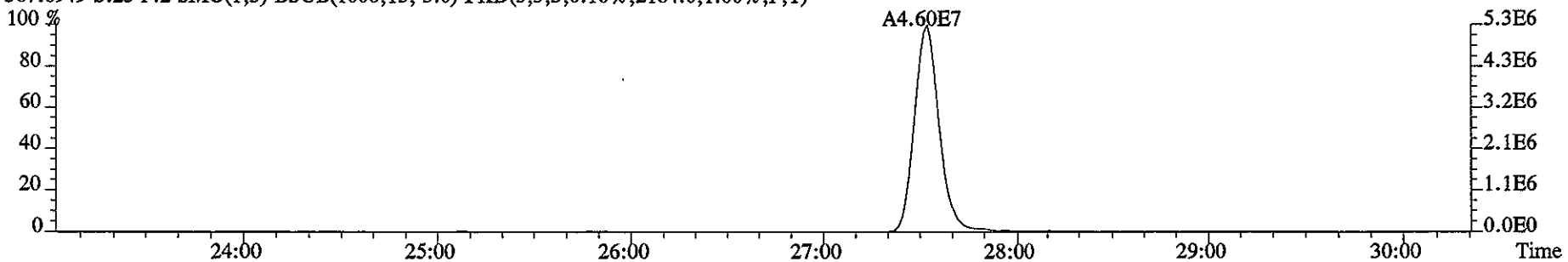
409.7974 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,104.0,1.00%,F,T)

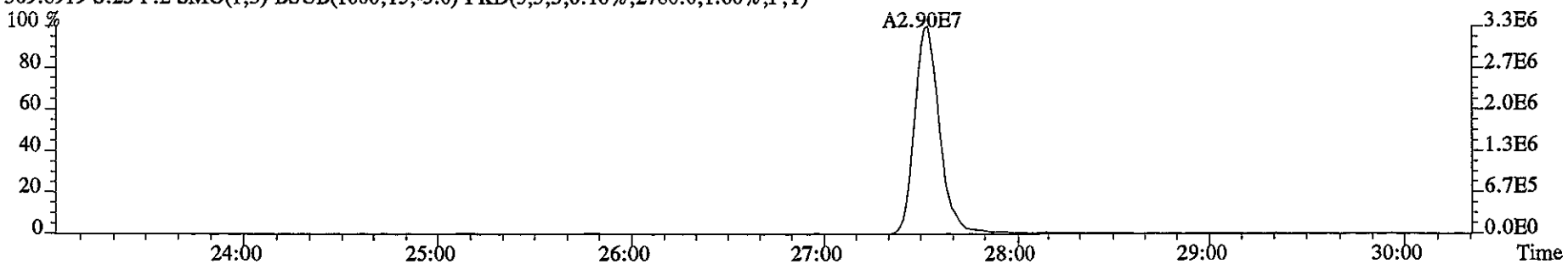


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

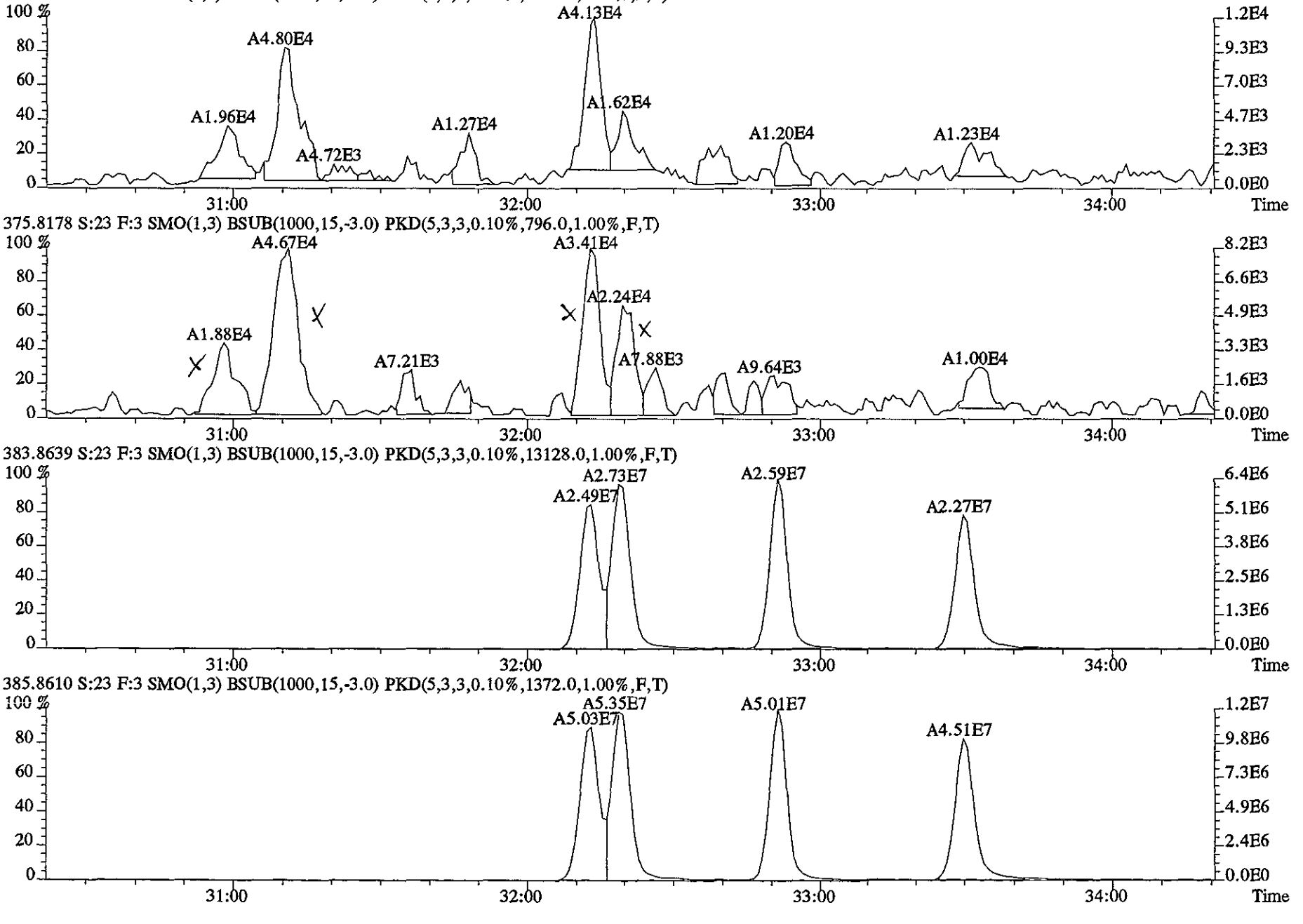




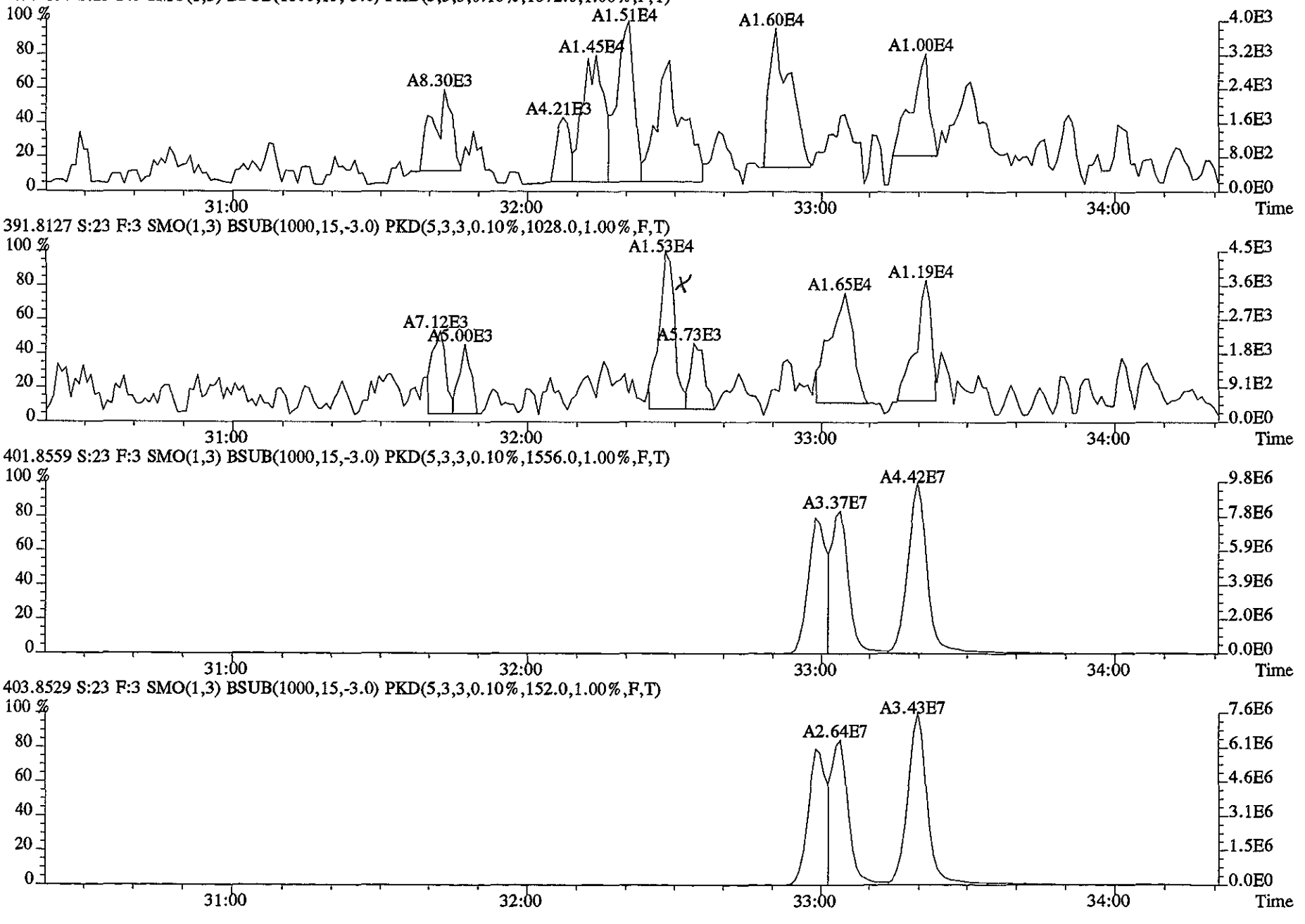




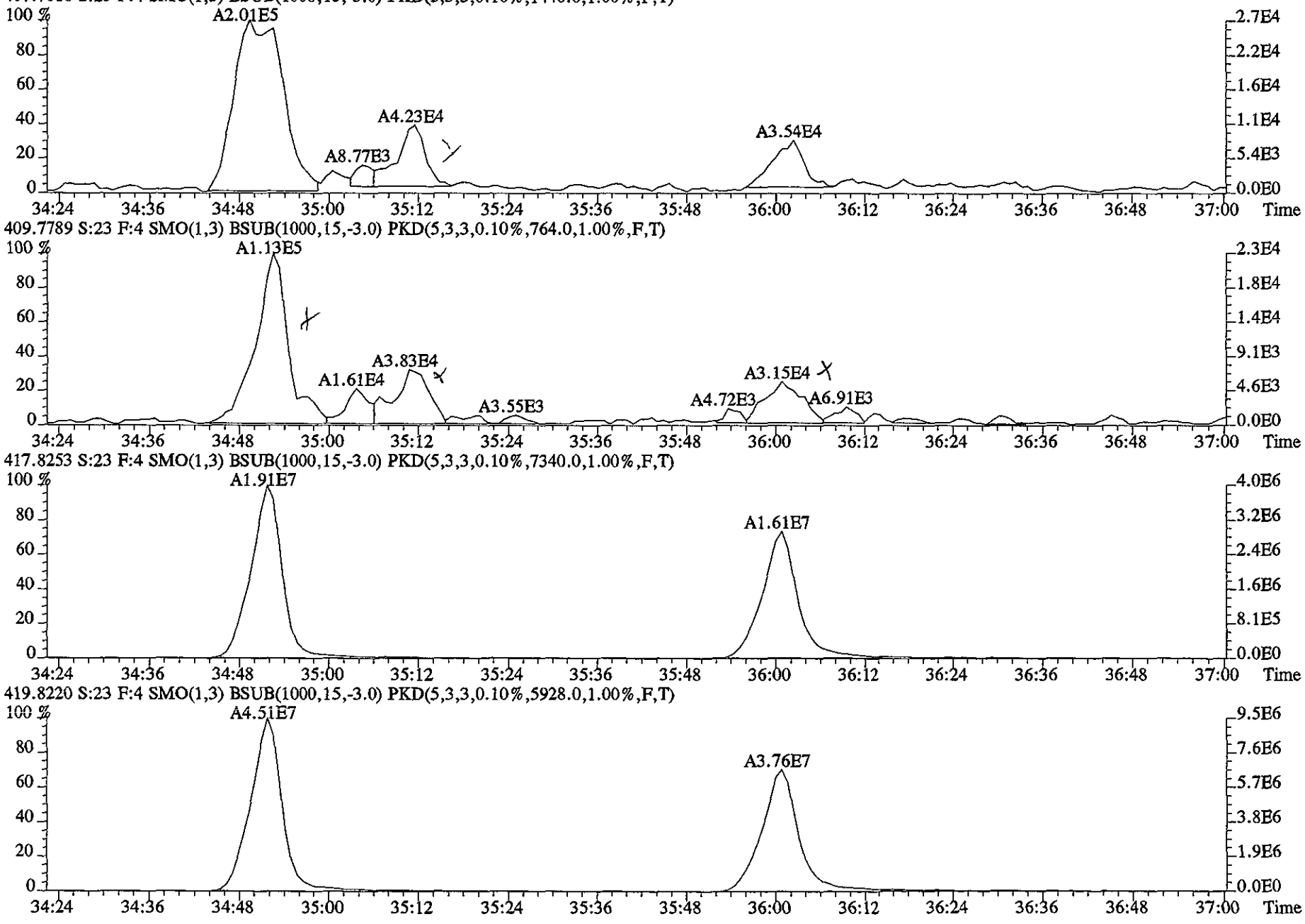
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES



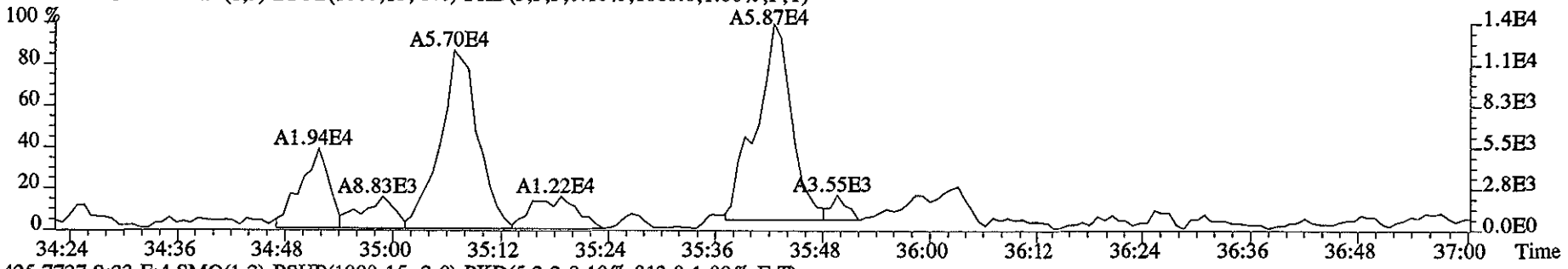
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

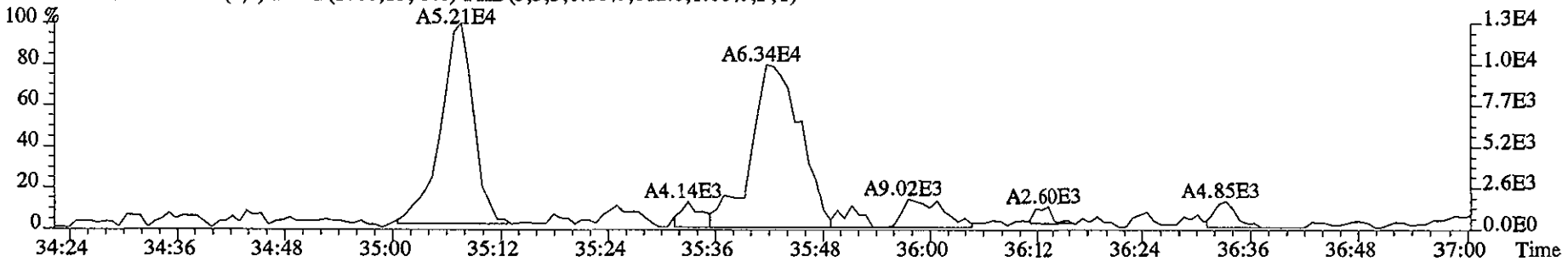


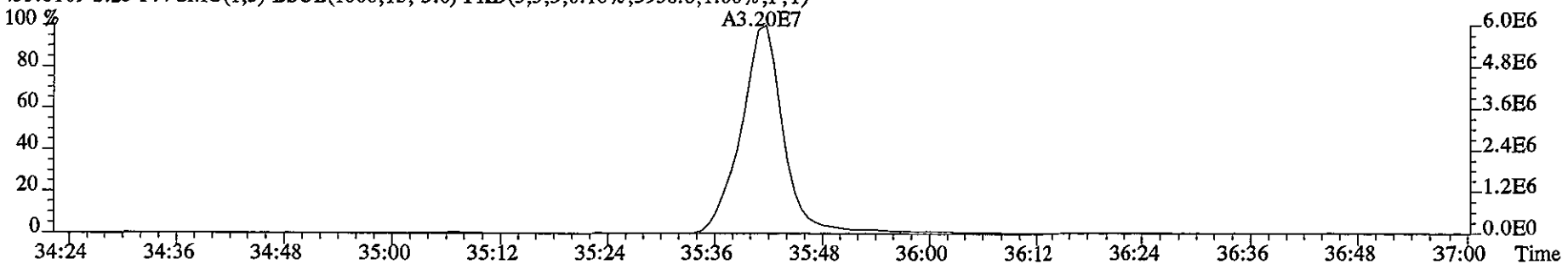
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

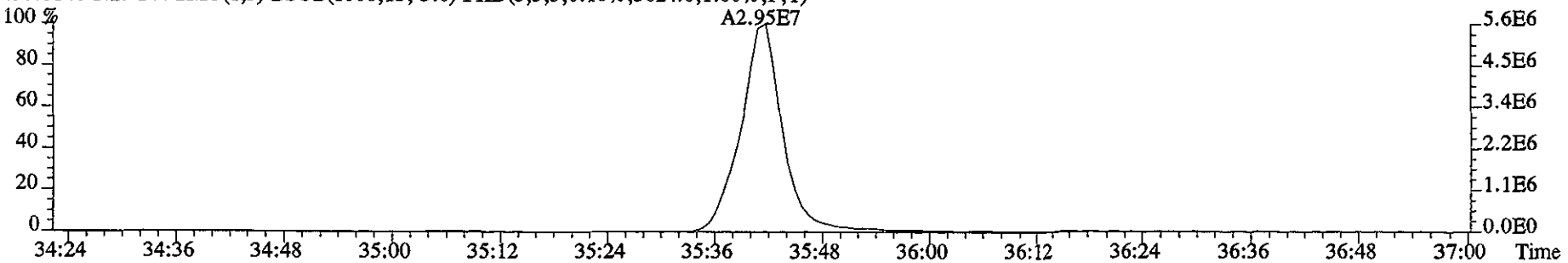


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

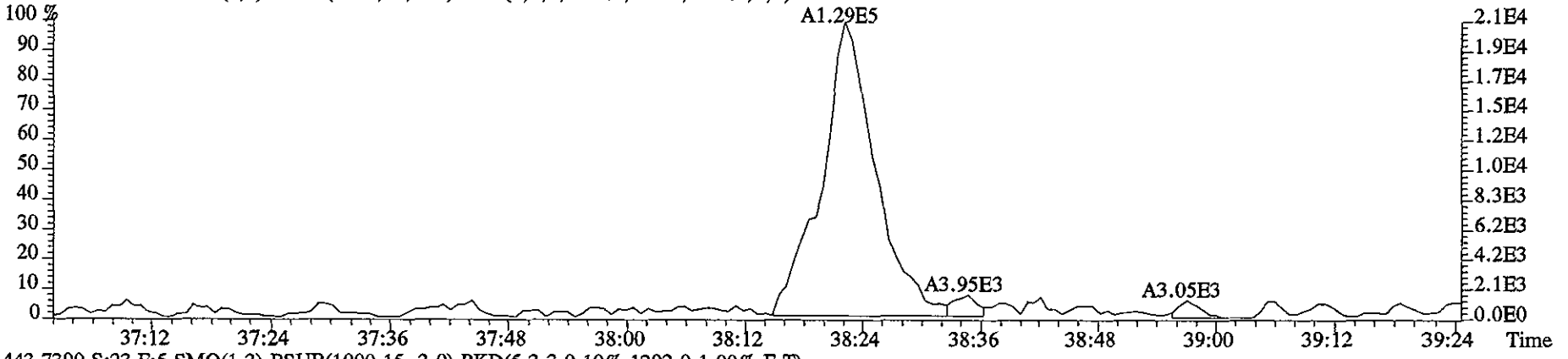




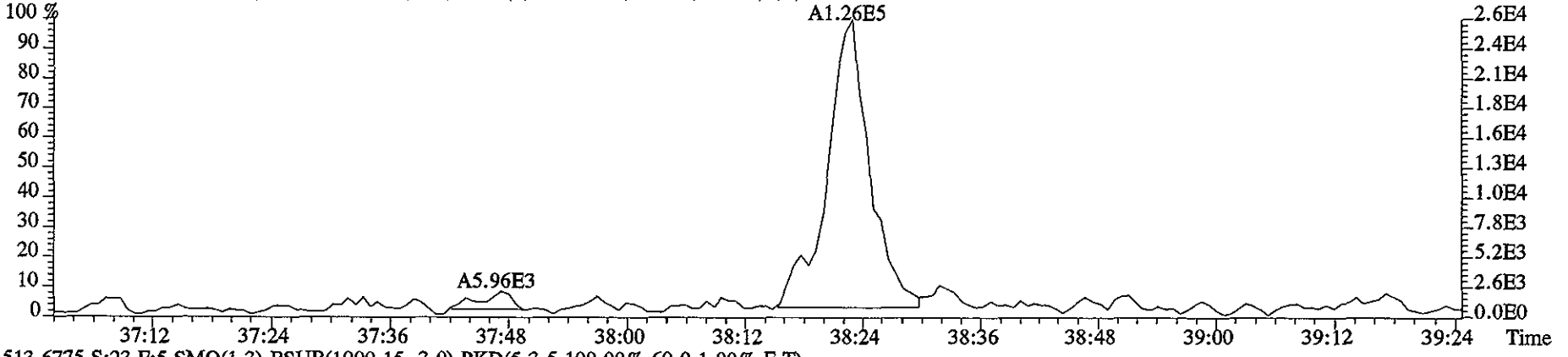




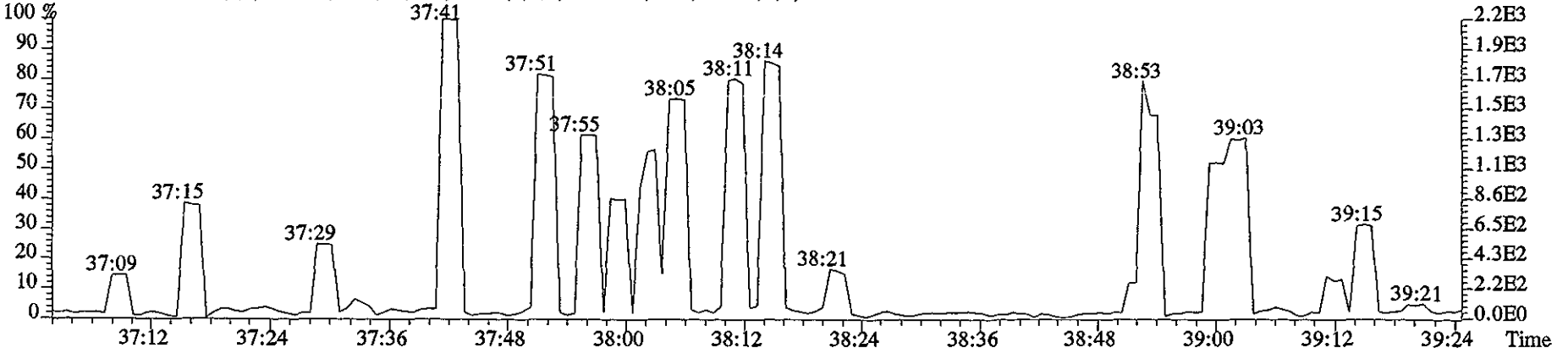
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES
441.7428 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,888.0,1.00%,F,T)



443.7399 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1292.0,1.00%,F,T)

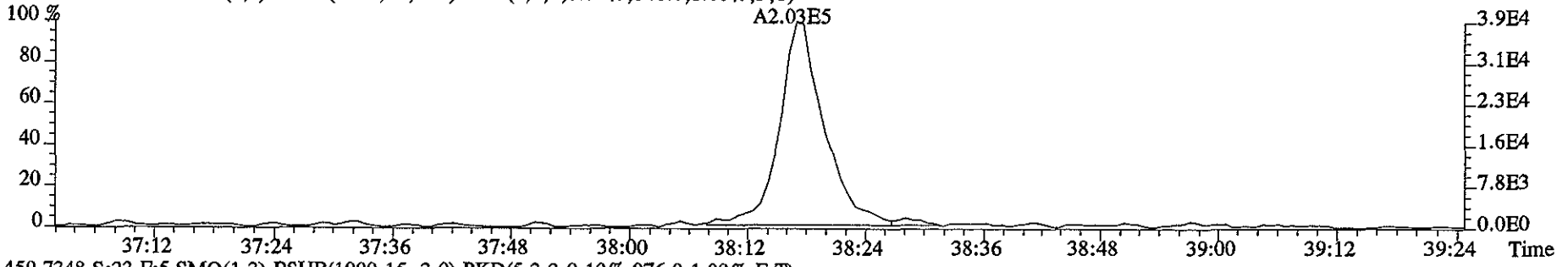


513.6775 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,60.0,1.00%,F,T)

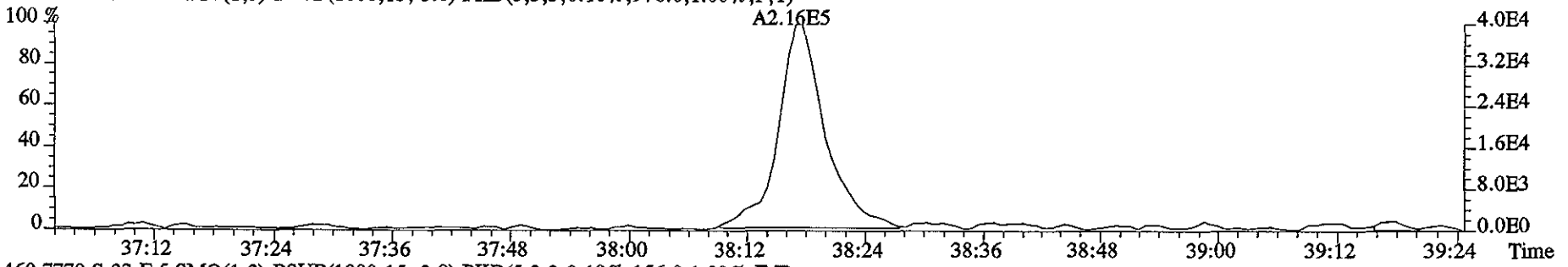


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

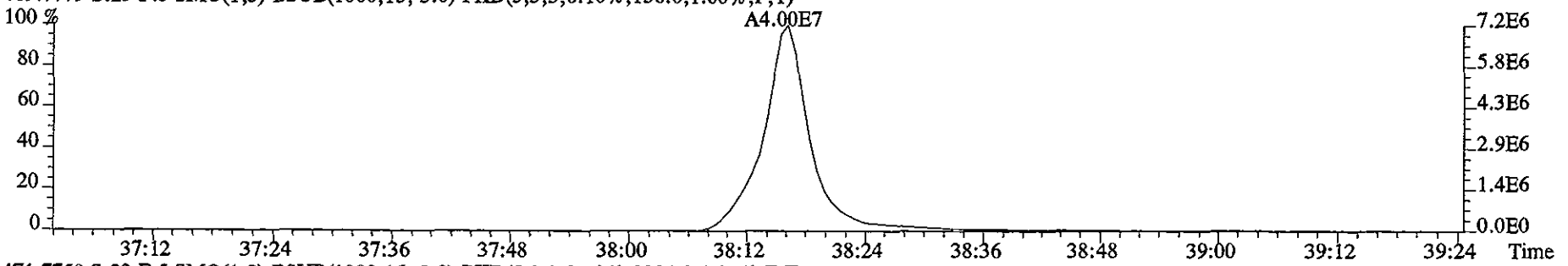
457.7377 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,848.0,1.00%,F,T)



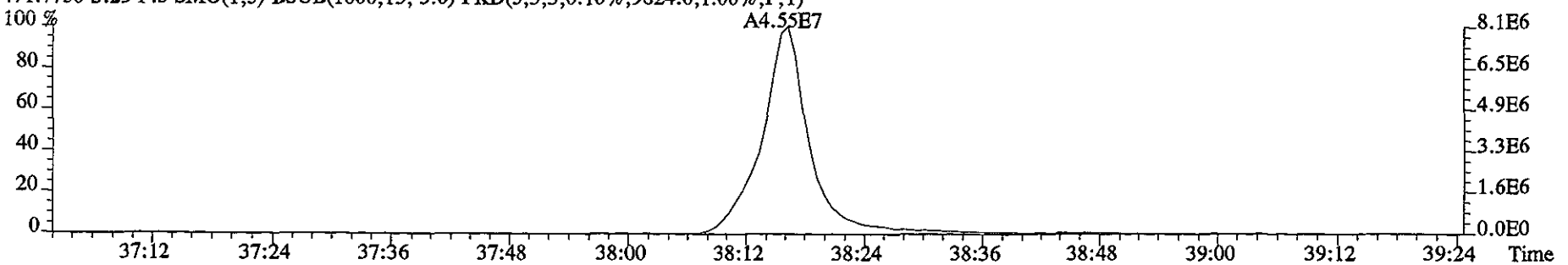
459.7348 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,976.0,1.00%,F,T)



469.7779 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,156.0,1.00%,F,T)

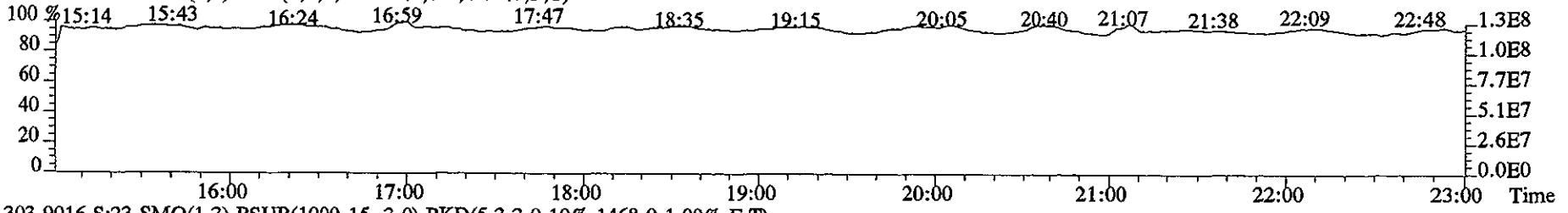


471.7750 S:23 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9824.0,1.00%,F,T)

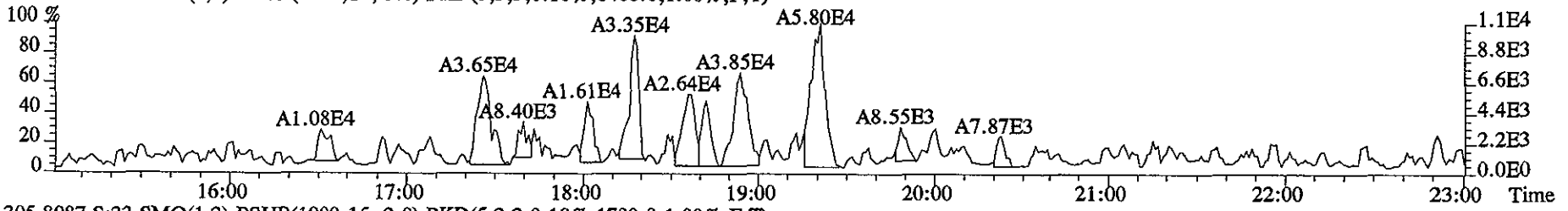


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

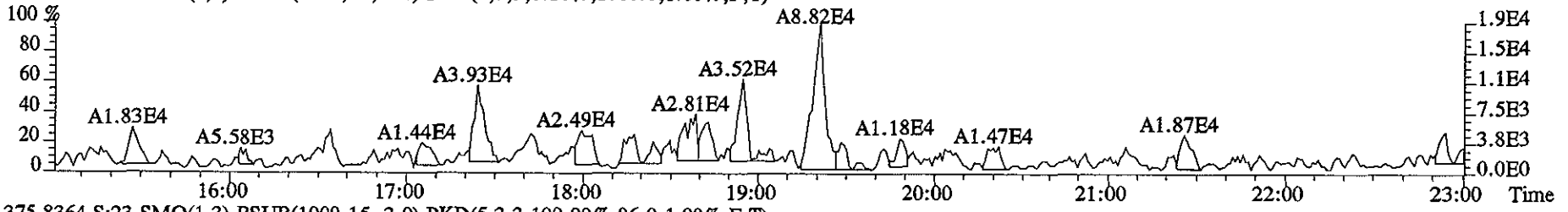
292.9825 S:23 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



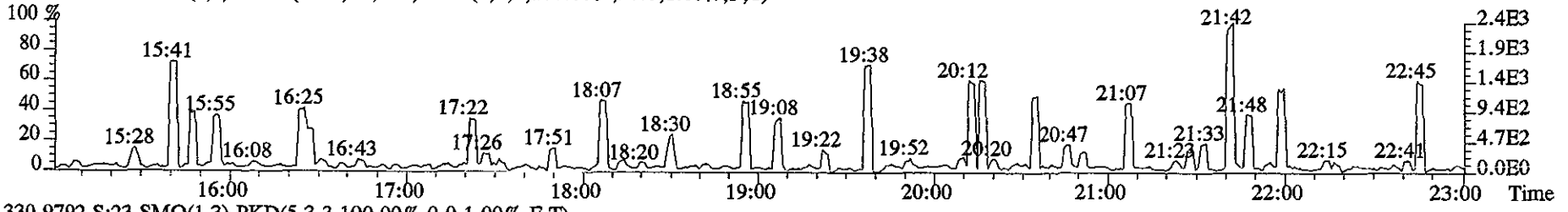
303.9016 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1468.0,1.00%,F,T)



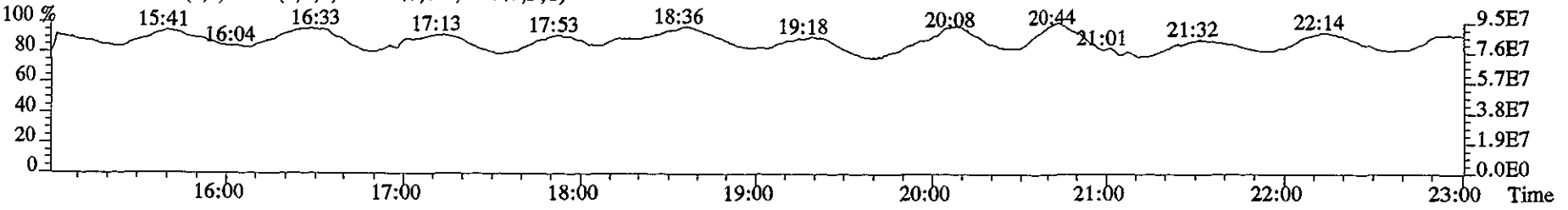
305.8987 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1700.0,1.00%,F,T)



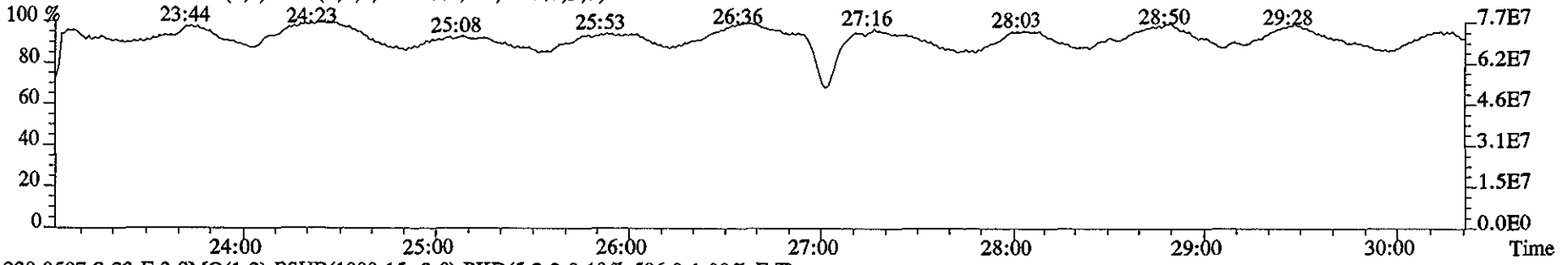
375.8364 S:23 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,96.0,1.00%,F,T)

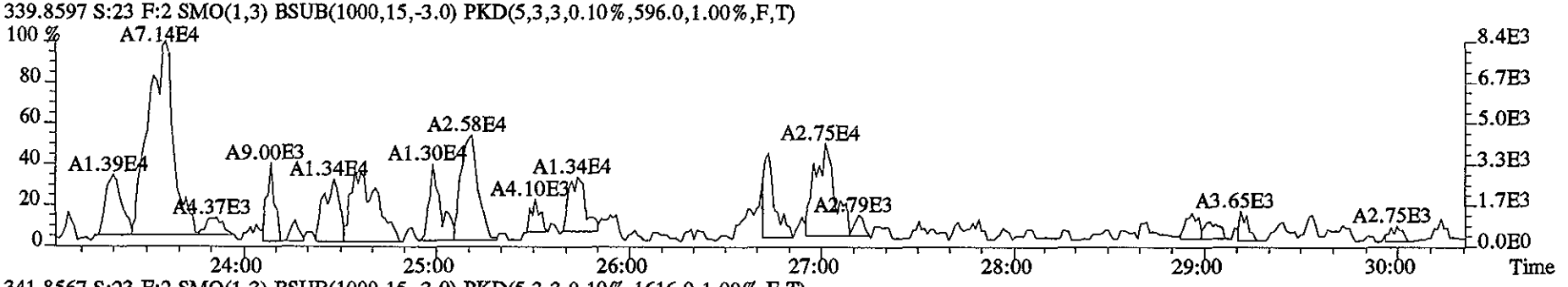


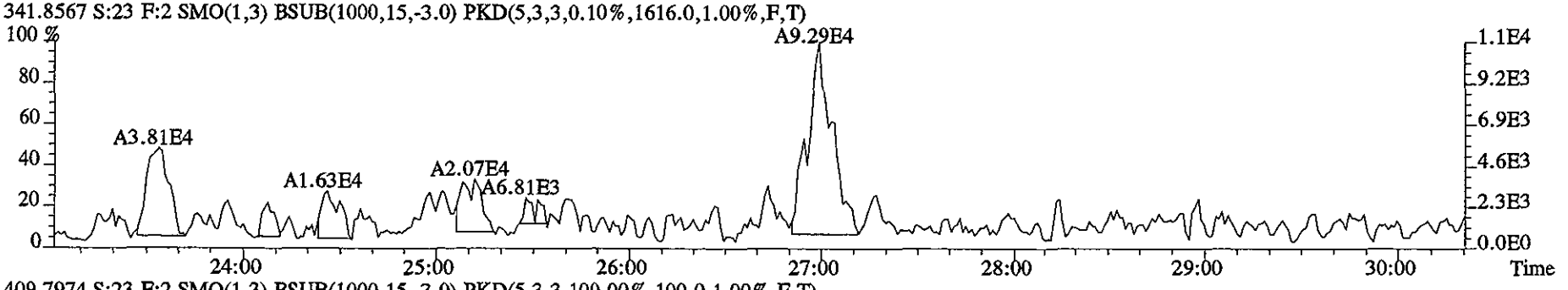
330.9792 S:23 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

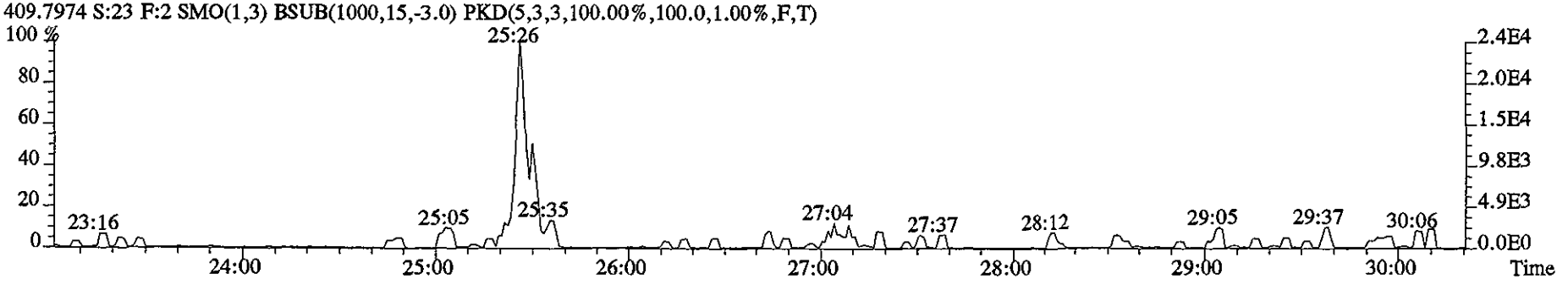


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES

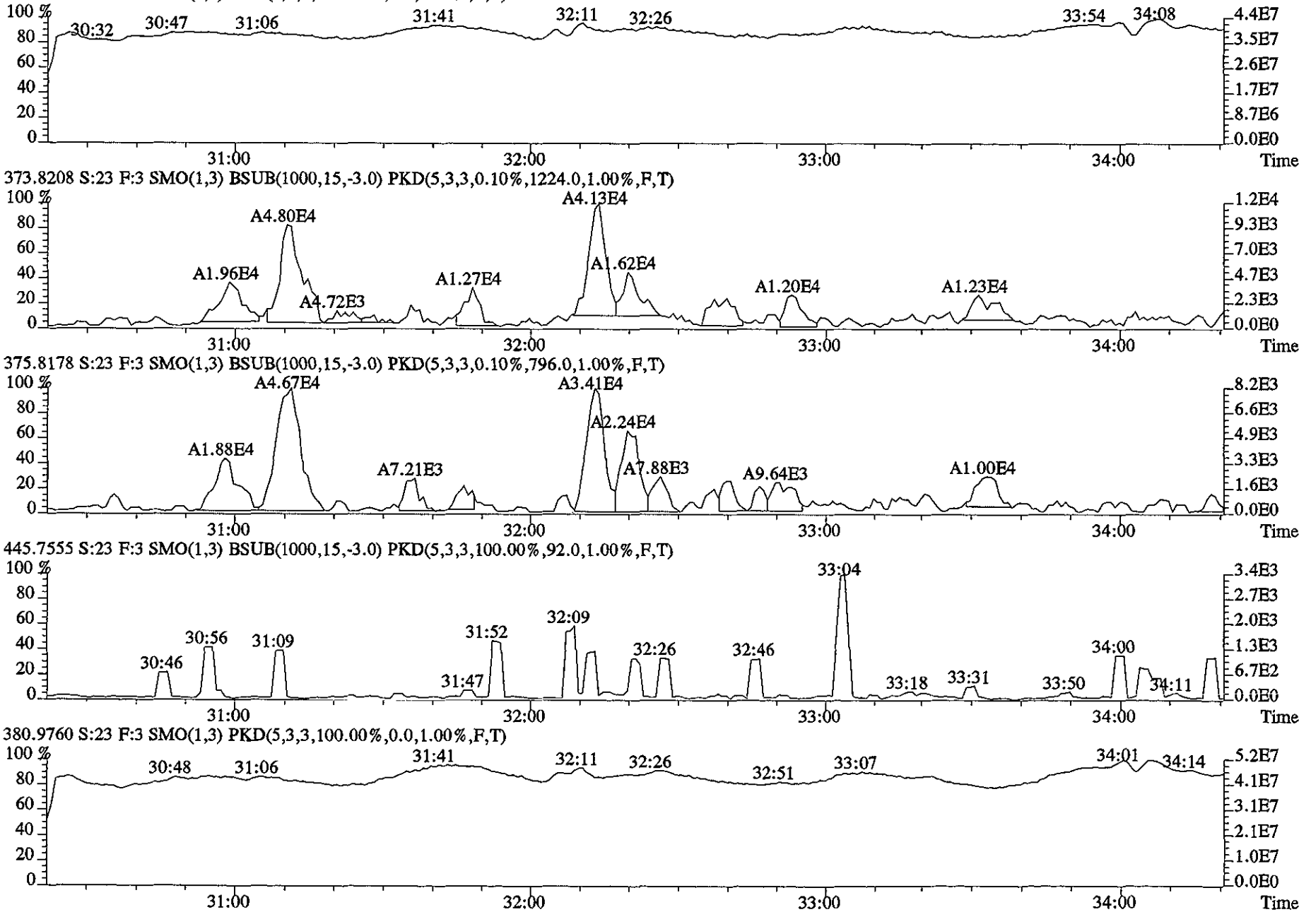




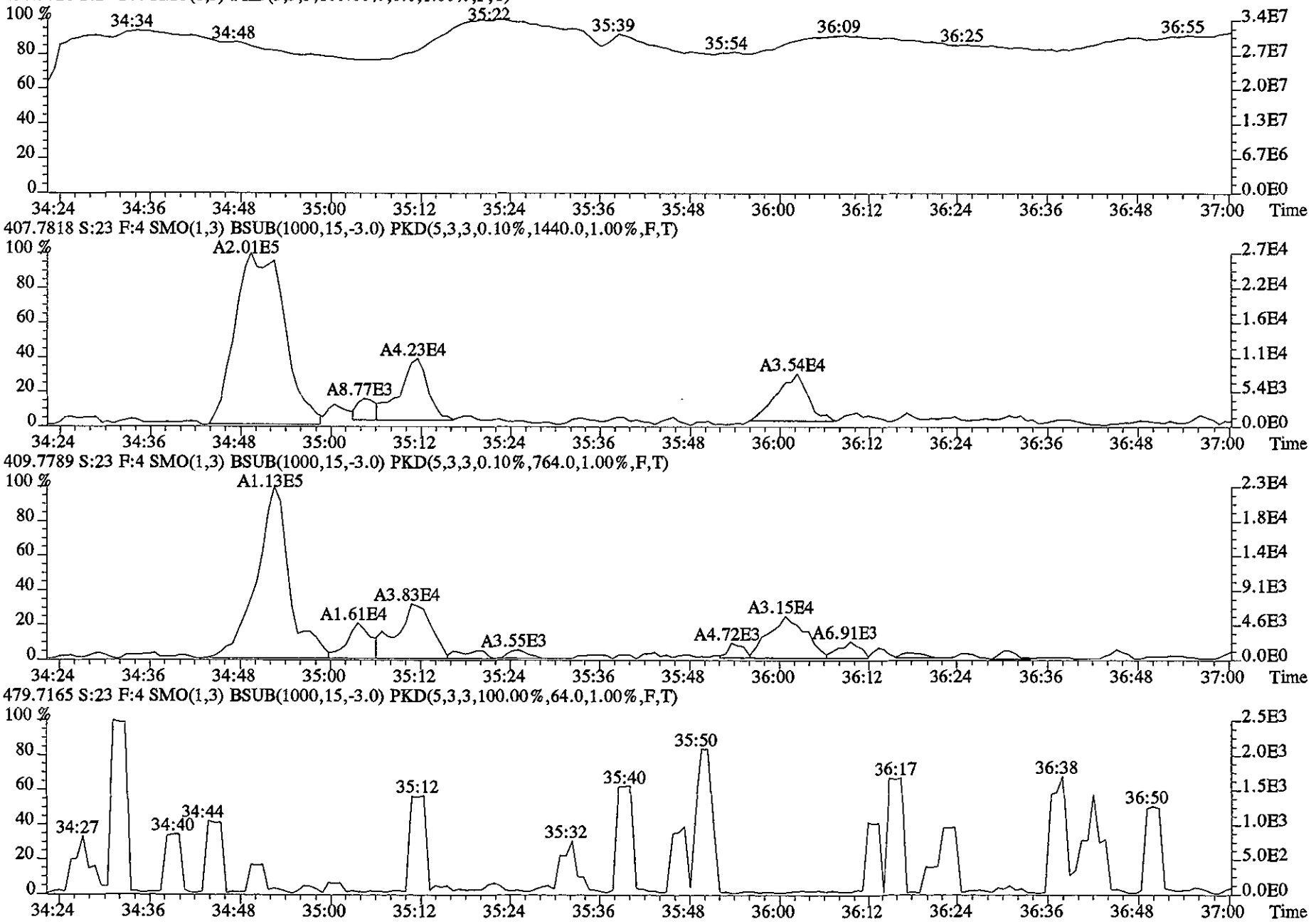




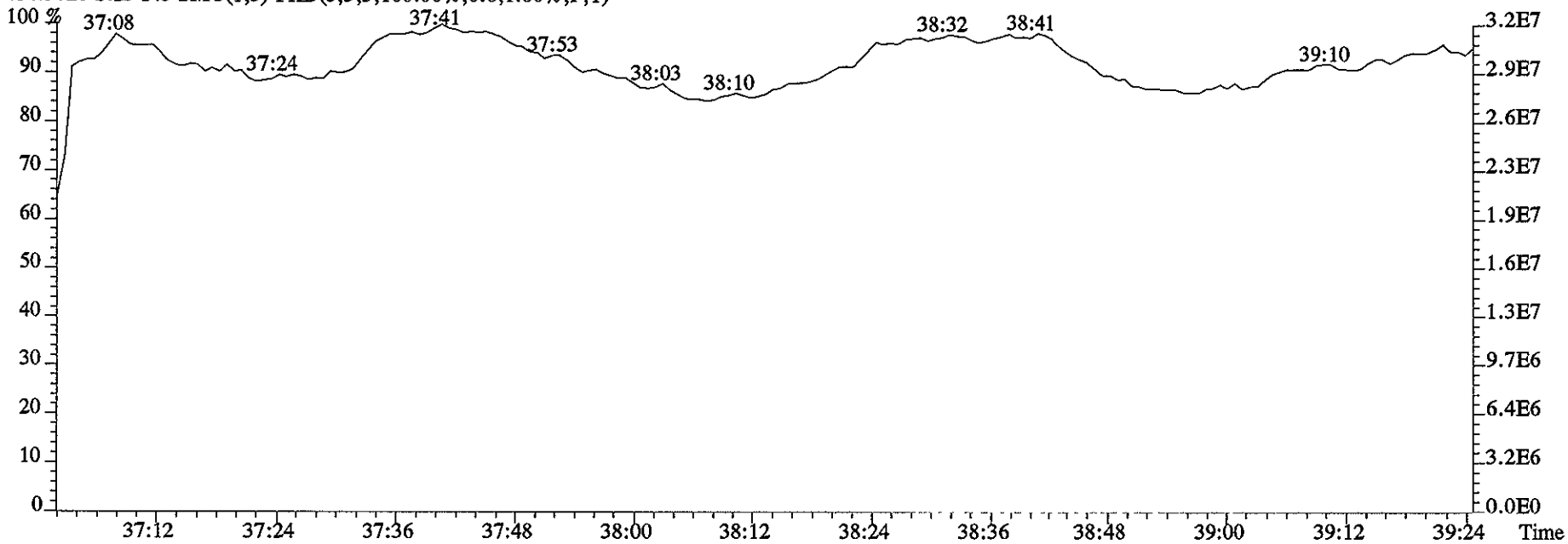
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES



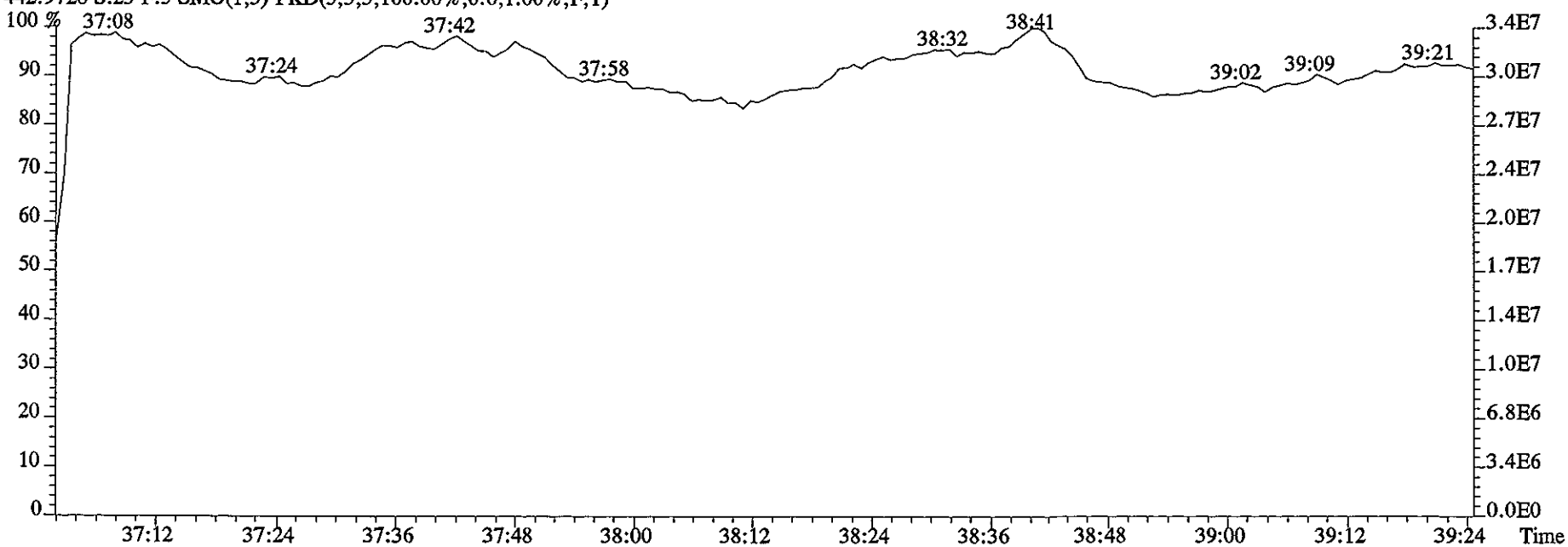
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 03:33:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#23 Text:L6K6V-1-AA :G0I040476-1 Exp:DIOXINRES
454.9728 S:23 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:23 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2
Run #9 Filename: 13SE10A4D5 S: 24 I: 1 Results: 13SE10A4D5TO9AK
Acquired: 14-SEP-10 04:17:55 Processed: 14-SEP-10 10:03:22
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 sam

AK 9/15/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	147868800	0.81	y	19:54	-	88.55	-	-	n
13C-2,3,7,8-TCDF	169447300	0.80	y	19:18	1.23	3728.59	3.16	93.2	n
2,3,7,8-TCDF	15159120	0.77	y	19:20	0.99	359.82 See OB225	2.09	-	n
Total TCDF	79040449	0.81	y	16:34	0.99	~~4876.14~~ ~~1872.21~~ 1872.21 (9/16/10 mcw)	2.09	-	n
13C-2,3,7,8-TCDD	119606300	0.81	y	20:07	0.91	3574.89	4.96	89.4	n
2,3,7,8-TCDD	165991	0.52	n	20:07	0.98	5.64 SQ	1.35	-	n
Total TCDD	6255211	1.03	n	15:34	0.98	~~212.71~~ 209.69	1.35	-	n
37Cl-2,3,7,8-TCDD	110262600	1.00	y	20:08	1.33	2780.79	0.06 ↑	173.8	n
13C-1,2,3,7,8-PeCDF	117351300	1.59	y	25:08	0.88	3623.62	4.68	90.6	n
1,2,3,7,8-PeCDF	9031850	1.47	y	25:10	1.08	✓285.94	8.96	-	n
2,3,4,7,8-PeCDF	4861810	1.55	y	26:43	1.05	✓158.49	9.23	-	n
Total F2 PeCDF	66389456	1.56	y	23:21	1.06	~~2130~~74 2214.73	9.09	-	n
Total F1 PeCDF	4711544	0.39	n	16:58	1.06	~~151.35~~	1.21	-	n
13C-1,2,3,7,8-PeCDD	78859400	1.63	y	27:32	0.66	3228.13	2.57	80.7	n
1,2,3,7,8-PeCDD	468342	1.52	y	27:33	0.93	25.67 J	3.55	-	n
Total PeCDD	5093856	1.51	y	23:47	0.93	✓279.19	3.55	-	n
13C-1,2,3,7,8,9-HxCDD	81745200	1.29	y	33:20	-	69.04	-	-	n
13C-1,2,3,4,7,8-HxCDF	74683800	0.52	y	32:12	1.04	3497.81	24.70	87.4	n
1,2,3,4,7,8-HxCDF	11949650	1.21	y	32:13	1.22	✓525.79	7.98	-	y
1,2,3,6,7,8-HxCDF	9928350	1.12	y	32:20	1.28	✓414.90	7.58	-	y
2,3,4,6,7,8-HxCDF	2252580	1.18	y	32:51	1.23	97.81 J	7.88	-	y
1,2,3,7,8,9-HxCDF	1331559	1.14	y	33:31	1.10	64.94 ↓	8.85	-	y
Total HxCDF	71259363	1.11	y	30:58	1.21	✓3134.62	8.04	-	y
13C-1,2,3,6,7,8-HxCDD	60207600	1.32	y	33:04	0.83	3546.15	1.29	88.7	n
1,2,3,4,7,8-HxCDD	303250	1.18	y	33:00	1.04	19.42 J	1.86	-	y
1,2,3,6,7,8-HxCDD	627638	1.15	y	33:04	1.16	35.86 ↓	1.66	-	y
1,2,3,7,8,9-HxCDD	421533	1.28	y	33:20	1.18	23.70 ↓	1.64	-	y
Total HxCDD	4534224	1.36	y	31:42	1.13	266.51 265.36	1.71	-	y
13C-1,2,3,4,6,7,8-HpCDF	69170500	0.44	y	34:52	0.91	3719.35	28.93	93.0	n
1,2,3,4,6,7,8-HpCDF	39843000	1.06	y	34:52	1.35	✓1712.06	4.35	-	n
1,2,3,4,7,8,9-HpCDF	13015340	1.04	y	36:01	1.09	✓688.33	5.35	-	n
Total HpCDF	76157815	1.06	y	34:52	1.22	~~3505.15~~ 3490.64	4.80	-	n
13C-1,2,3,4,6,7,8-HpCDD	63191000	1.04	y	35:41	0.83	3740.71	9.17	93.5	n
1,2,3,4,6,7,8-HpCDD	2315100	1.05	y	35:42	1.07	136.74	2.31	-	n
Total HpCDD	3552370	1.06	y	35:07	1.07	~~209.82~~ 209.10	2.31	-	n
13C-OCDD	91092100	0.88	y	38:15	0.62	✓7190.48	6.60	89.9	n
OCDF	66225500	0.87	y	38:22	1.37	✓4244.43	3.99	-	n

OCDD	2204920	0.96	y	38:16	1.20	161.46	2.86	- n

Run text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2
Run #9 Filename: 13SE10A4D5 S: 24 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 04:17:55 Processed: 14-SEP-10 10:03:22
Run: 13SE10A4D5 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	147868800	0.81	y	19:54	-	88.547	-	-	n
13C-2,3,7,8-TCDF	169447300	0.80	y	19:18	1.23	3728.594	3.156	93.2	n
2,3,7,8-TCDF	15159120	0.77	y	19:20	0.99	359.823	2.088	-	n
Total TCDF	79040449	0.81	y	16:34	0.99	1876.135	2.088	-	n
13C-2,3,7,8-TCDD	119606300	0.81	y	20:07	0.91	3574.886	4.957	89.4	n
2,3,7,8-TCDD	165991	0.52	n	20:07	0.98	5.645	1.352	-	n
Total TCDD	6255211	1.03	n	15:34	0.98	212.710	1.352	-	n
37Cl-2,3,7,8-TCDD	110262600	1.00	y	20:08	1.33	2780.787	0.063	173.8	n
13C-1,2,3,7,8-PeCDF	117351300	1.59	y	25:08	0.88	3623.619	4.679	90.6	n
1,2,3,7,8-PeCDF	9031850	1.47	y	25:10	1.08	285.943	8.964	-	n
2,3,4,7,8-PeCDF	4861810	1.55	y	26:43	1.05	158.493	9.230	-	n
Total F2 PeCDF	66389456	1.56	y	23:21	1.06	2130.739	9.095	-	n
Total F1 PeCDF	4711544	0.39	n	16:58	1.06	151.347	1.215	-	n
13C-1,2,3,7,8-PeCDD	78859400	1.63	y	27:32	0.66	3228.127	2.569	80.7	n
1,2,3,7,8-PeCDD	468342	1.52	y	27:33	0.93	25.669	3.554	-	n
Total PeCDD	5093856	1.51	y	23:47	0.93	279.187	3.554	-	n
13C-1,2,3,7,8,9-HxCDD	81745100	1.29	y	33:20	-	69.042	-	-	n
13C-1,2,3,4,7,8-HxCDF	74683800	0.52	y	32:12	1.04	3497.817	24.704	87.4	n
1,2,3,4,7,8-HxCDF	17734260	1.15	y	32:13	1.22	780.318	7.981	-	n
1,2,3,6,7,8-HxCDF	9814720	1.12	y	32:20	1.28	410.155	7.580	-	n
2,3,4,6,7,8-HxCDF	5210180	1.10	y	32:49	1.23	226.244	7.876	-	n
1,2,3,7,8,9-HxCDF	3666280	1.09	y	33:34	1.10	178.810	8.846	-	n
Total HxCDF	70566454	1.11	y	30:58	1.21	3109.723	8.045	-	n
13C-1,2,3,6,7,8-HxCDD	60207600	1.32	y	33:04	0.83	3546.156	1.294	88.7	n
1,2,3,4,7,8-HxCDD	922850	1.16	y	33:04	1.04	59.113	1.863	-	n
1,2,3,6,7,8-HxCDD	922850	1.16	y	33:04	1.16	52.728	1.662	-	n
1,2,3,7,8,9-HxCDD	688081	1.20	y	33:20	1.18	38.684	1.635	-	n
Total HxCDD	4540552	1.36	y	31:42	1.13	264.078	1.715	-	n
13C-1,2,3,4,6,7,8-HpCDF	69170500	0.44	y	34:52	0.91	3719.350	28.930	93.0	n
1,2,3,4,6,7,8-HpCDF	39843000	1.06	y	34:52	1.35	1712.059	4.347	-	n
1,2,3,4,7,8,9-HpCDF	13015340	1.04	y	36:01	1.09	688.335	5.350	-	n
Total HpCDF	76157815	1.06	y	34:52	1.22	3505.147	4.797	-	n
13C-1,2,3,4,6,7,8-HpCDD	63191000	1.04	y	35:41	0.83	3740.718	9.172	93.5	n
1,2,3,4,6,7,8-HpCDD	2315100	1.05	y	35:42	1.07	136.742	2.313	-	n
Total HpCDD	3552370	1.06	y	35:07	1.07	209.822	2.313	-	n
13C-OCDD	91092100	0.88	y	38:15	0.62	7190.491	6.599	89.9	n
OCDF	66225500	0.87	y	38:22	1.37	4244.433	3.987	-	n
OCDD	2204920	0.96	y	38:16	1.20	161.461	2.855	-	n

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:19
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	938.07 of which	179.91 named and	758.16	unnamed
Conc:	1876.14 of which	359.82 named and	1516.31	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:34	0.81	y	54.91	1037730	109.7	y	n
						1275700	85.4	y	n
	2	16:56	0.75	y	23.67	426066	39.5	y	n
						571075	32.8	y	n
	3	17:07	0.72	y	24.60	435427	40.4	y	n
						601153	33.4	y	n
	4	17:25	0.79	y	319.56	5951160	493.1	y	n
						7511570	405.5	y	n
	5	17:41	0.82	y	144.02	2735170	192.4	y	n
						3332300	152.4	y	n
	6	18:02	0.77	y	129.83	2387390	125.5	y	n
						3082130	111.5	y	n
	7	18:17	0.76	y	172.54	3140440	269.5	y	n
						4128750	233.4	y	n
	8	18:35	0.78	y	170.61	3155060	214.5	y	n
						4032570	176.2	y	n
	9	18:43	0.76	y	138.01	2507780	191.3	y	n
						3306690	165.3	y	n
	10	18:54	0.78	y	189.47	3488670	309.2	y	n
						4493700	252.1	y	n
	11	19:08	0.88	y	38.77	764076	48.5	y	n
						869240	35.8	y	n
2,3,7,8-TCDF	12	19:20	0.77	y	359.82	6586960	478.3	y	n
						8572160	401.7	y	n
	13	19:48	0.82	y	45.52	861836	67.7	y	n
						1055760	54.9	y	n
	14	20:05	0.86	y	26.34	513342	31.1	y	n
						596141	23.2	y	n
	15	20:21	0.77	y	13.06	238933	17.3	y	n
						311155	16.6	y	n

16	20:44	0.96	n	0.87	19741	1.5	n	n
					20644	1.9	n	n
17	21:03	0.52	n	0.68	12393	1.8	n	n
					23651	1.7	n	n
18	21:25	0.85	y	21.49	415533	30.9	y	n
					489682	25.8	y	n
19	21:46	1.21	n	2.38	68472	4.3	y	n
					56538	3.4	y	n

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:14
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	106.35 of which	2.82 named and	103.53	unnamed	
Conc:	212.71 of which	5.64 named and	207.07	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:34	1.03	n	0.49	8467	1.6	n	n
						8219	1.5	n	n
	2	16:43	0.94	n	0.75	11640	3.2	y	n
						12394	2.2	n	n
	3	17:35	0.77	y	33.76	431829	86.6	y	n
						561047	83.4	y	n
	4	17:55	0.76	y	68.01	860473	178.8	y	n
						1139640	163.1	y	n
	5	18:10	0.79	y	6.76	87651	14.5	y	n
						110999	12.0	y	n
	6	18:50	0.71	y	30.32	368947	61.8	y	n
						522635	63.7	y	n
	7	19:07	0.72	y	16.06	197205	15.8	y	n
						274995	18.9	y	n
	8	19:32	0.88	y	8.04	110579	20.8	y	n
						125733	20.9	y	n
	9	20:01	0.82	y	30.80	408928	50.9	y	n
						496763	44.1	y	n
2,3,7,8-TCDD	10	20:07	0.52	n	5.64	72211	12.7	y	n
						139125	19.6	y	n
	11	20:20	0.85	y	4.40	59482	8.4	y	n
						69963	9.2	y	n
	12	20:34	0.89	n	5.89	87202	15.8	y	n
						97934	13.4	y	n
	13	20:49	0.66	y	0.73	8562	2.1	n	n
						12996	2.2	n	n
	14	21:25	0.62	n	1.05 LS/W	13471	3.7	y	n
						21834	2.8	n	n

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:14
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

Amount:	1065.37	of which	222.22	named and	843.15	unnamed			
Conc:	2130.74	of which	444.44	named and	1686.30	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?	
	1	23:21	1.56	y	134.92	2556360	100.2	y	n	
						1643770	29.5	y	n	
	2	23:35	1.55	y	641.61	12131400	358.9	y	n	
						7842300	107.5	y	n	
	3	23:52	1.70	y	84.18	1648820	53.1	y	n	
						971815	14.5	y	n	
	4	24:09	1.62	y	75.31	1451090	45.6	y	n	
						893305	12.3	y	n	
	5	24:28	1.53	y	77.47	1457840	60.9	y	n	
						954005	17.8	y	n	
	6	24:37	1.54	y	218.06	4117730	124.3	y	n	
						2670710	39.3	y	n	
	7	25:01	1.73	y	109.61	2164300	75.5	y	n	
						1247870	22.5	y	n	
1,2,3,7,8-PeCDF	8	25:10	1.47	y	285.94	5377420	183.3	y	n	
						3654430	53.6	y	n	
	9	25:30	1.53	y	57.40	1081190	32.4	y	n	D
						705671	10.4	y	n	
	10	25:48	1.55	y	160.68	3043530	80.5	y	n	
						1958670	24.1	y	n	
2,3,4,7,8-PeCDF	11	26:43	1.55	y	158.49	2956610	78.8	y	n	
						1905200	24.1	y	n	
	12	27:07	1.53	y	76.65	1443940	34.4	y	n	
						942196	10.1	y	n	
	13	27:42	1.71	y	26.78	526378	14.5	y	n	
						307160	4.6	y	n	
	14	29:01	1.91	n	23.63	549846	13.6	y	n	
						288528	4.0	y	n	

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:9
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	75.67 of which	* named and	75.67 unnamed
Conc:	151.35 of which	* named and	151.35 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:58	0.39	n	0.87	16424	26.4	y	n
						41700	5.3	y	n
	2	20:06	0.59	n	0.13	2413	7.1	y	n
						4076	0.9	n	n
	3	20:46	0.79	n	1.04	19713	28.4	y	n
						24999	2.7	n	n
	4	21:05	0.20	n	0.84	15863	20.8	y	n
						77886	7.9	y	n
	5	21:23	1.50	y	0.58	10783	11.8	y	n
						7179	1.4	n	n
	6	21:46	1.46	y	141.39	2611220	3186.9	y	n
						1790320	195.3	y	n
	7	22:08	3.01	n	1.98	72697	65.5	y	n
						24191	3.2	y	n
	8	22:43	0.79	n	1.62	30743	38.5	y	n
						38923	3.9	y	n
	9	22:57	1.31	n	2.90	54864	53.5	y	n
						41982	4.0	y	n

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:12
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	139.59 of which	12.83 named and	126.76 unnamed
Conc:	279.19 of which	25.67 named and	253.52 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:47	1.51	y	63.14	693820	55.8	y	n
						458184	84.4	y	n
	2	24:39	0.97	n	3.11	34442	2.8	n	n

						35592	6.8	y	n
	3	25:10	1.50	y	64.40	704725	58.0	y	n
						470339	81.7	y	n
	4	25:26	1.48	y	12.77	139090	10.2	y	n
						93854	18.6	y	n
	5	25:49	1.69	y	61.08	700495	53.6	y	n
						413865	70.1	y	n
	6	26:11	1.64	y	5.44	61696	4.0	y	n
						37516	6.0	y	n
	7	26:23	1.12	n	8.31	92136	6.2	y	n
						82040	12.9	y	n
	8	26:49	1.39	y	14.78	156608	10.0	y	n
						113003	21.7	y	n
	9	26:59	2.19	n	10.79	169346	10.4	y	n
						77185	9.5	y	n
1,2,3,7,8-PeCDD	10	27:33	1.52	y	25.67	282633	20.1	y	n
						185709	28.3	y	n
	11	27:56	2.71	n	4.46	86470	5.6	y	n
						31909	9.1	y	n
	12	28:44	1.22	n	5.26	58286	4.6	y	n
						47822	7.9	y	n

see 6A

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:11
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1554.86	of which	797.76	named and	757.10	unnamed			
Conc:	3109.72	of which	1595.53	named and	1514.20	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:58	1.11	y	369.41	4389310	83.6	y	n
						3939790	174.8	y	n
	2	31:11	1.12	y	618.44	7363480	135.6	y	n
						6580580	287.6	y	n
	3	31:24	1.11	y	38.24	453556	8.9	y	n
						408674	21.3	y	n
	4	31:34	1.09	y	111.36	1311760	26.9	y	n
						1199020	56.3	y	n
	5	31:46	1.01	n	77.39	965967	21.0	y	n
						959577	47.2	y	n
1,2,3,4,7,8-HxCDF	6	32:13	1.15	y	780.32	9468630	192.1	y	n
						8265630	384.2	y	n
1,2,3,6,7,8-HxCDF	7	32:20	1.12	y	410.16	5191420	124.1	y	n
						4623300	261.1	y	n
	8	32:26	1.14	y	153.26	1838630	43.0	y	n
						1616870	89.0	y	n
	9	32:39	1.04	n	146.11	1823670	32.7	y	n
						1745240	68.7	y	n
2,3,4,6,7,8-HxCDF	10	32:49	1.10	y	226.24	2729770	41.3	y	n
						2480410	83.6	y	n
1,2,3,7,8,9-HxCDF	11	33:34	1.09	y	178.81	1914130	29.2	y	n
						1752150	65.7	y	n

see 7A

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:8
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	132.04	of which	45.71	named and	86.33	unnamed			
Conc:	264.08	of which	91.41	named and	172.67	unnamed			

 6A

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:14
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1567.31 of which	551.73 named and	1015.58 unnamed
Conc:	3134.62 of which	1103.45 named and	2031.16 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:58	1.11	y	369.41	4389310	83.6	y	n
						3939790	174.8	y	n
	2	31:11	1.12	y	618.44	7363480	135.6	y	n
						6580580	287.6	y	n
	3	31:24	1.11	y	38.24	453555	8.9	y	n
						408675	21.3	y	n
	4	31:34	1.09	y	111.36	1311760	26.9	y	n
						1199020	56.3	y	n
	5	31:46	1.01	n	77.39	965967	21.0	y	n
						959579	47.2	y	n
	6	32:11	1.07	y	262.97	3058750	128.9	y	y
						2870610	273.7	y	y
1,2,3,4,7,8-HxCDF	7	32:13	1.21	y	525.79	6540580	193.2	y	y
						5409070	385.3	y	y
1,2,3,6,7,8-HxCDF	8	32:20	1.12	y	414.90	5249530	125.2	y	y
						4678820	262.2	y	y
	9	32:26	1.16	y	159.35	1932100	44.1	y	y
						1660770	90.0	y	y
	10	32:39	1.04	n	146.11	1823670	32.7	y	n
						1745240	68.7	y	n
	11	32:49	1.12	y	136.61	1626510	42.4	y	y
						1453750	84.6	y	y
2,3,4,6,7,8-HxCDF	12	32:51	1.18	y	97.81	1217380	33.4	y	y
						1035200	70.2	y	y
1,2,3,7,8,9-HxCDF	13	33:31	1.14	y	64.94	709256	24.7	y	y
						622303	52.0	y	y
	14	33:34	1.13	y	111.29	1332230	29.9	y	y
						1176990	66.5	y	y

7A

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:9
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	133.26 of which	39.49 named and	93.76 unnamed
Conc:	266.51 of which	78.98 named and	187.53 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:42	1.36	y	18.75	183058	25.8	y	n
						135004	33.8	y	n
	2	32:14	1.21	y	85.23	791380	122.0	y	n
						654634	179.6	y	n
	3	32:28	1.33	y	61.84	598609	87.7	y	n
						450624	119.9	y	n
	4	32:36	0.71	n	3.60	33778	5.4	y	n
						47526	10.9	y	n
	5	32:49	1.97	n	1.15	17117	2.2	n	n
						8711	2.8	n	n
1,2,3,4,7,8-HxCDD	6	33:00	1.18	y	19.42	164066	32.9	y	y
						139184	42.0	y	y
1,2,3,6,7,8-HxCDD	7	33:04	1.15	y	35.86	335563	51.7	y	y
						292075	77.7	y	y
	8	33:19	1.12	y	16.97	152247	42.9	y	y
						135717	60.6	y	y
1,2,3,7,8,9-HxCDD	9	33:20	1.28	y	23.70	236583	49.7	y	y
						184950	70.0	y	y

265.36

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:42	1.36	y	18.75	183058	25.8	y	n
						135004	33.8	y	n
	2	32:14	1.21	y	85.23	791380	122.0	y	n
						654634	179.6	y	n
	3	32:28	1.33	y	61.84	598609	87.7	y	n
						450624	119.9	y	n
	4	32:36	0.71	n	3.60	33777	5.4	y	n
						47525	10.9	y	n
	5	32:49	1.97	n	1.15	17117	2.2	n	n
						8711	2.8	n	n
1,2,3,6,7,8-HxCDD	6	33:04	1.16	y	52.73	494670	51.2	y	n
						428180	77.0	y	n
1,2,3,7,8,9-HxCDD	7	33:20	1.20	y	38.68	375941	49.2	y	n
						312140	69.3	y	n
	8	33:29	1.46	n	2.11	23249	3.2	y	n
						15975	6.2	y	n

Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:5
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

Amount:	1752.57 of which	1200.20 named and	552.38 unnamed
Conc:	3505.15 of which	2400.39 named and	1104.75 unnamed

3490.86

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:52	1.06	y	1712.06	20457900	930.1	y	n
						19385100	1775.7	y	n
	2	35:04	1.04	y	446.55	4806210	214.8	y	n
						4611610	418.1	y	n
	3	35:11	1.06	y	643.91	6980180	321.2	y	n
						6600090	607.1	y	n
	4	35:33	0.75	n	14.29	153647	4.9	y	n
						205078	10.3	y	n
1,2,3,4,7,8,9-HpCDF	5	36:01	1.04	y	688.33	6623400	274.8	y	n
						6391940	521.8	y	n

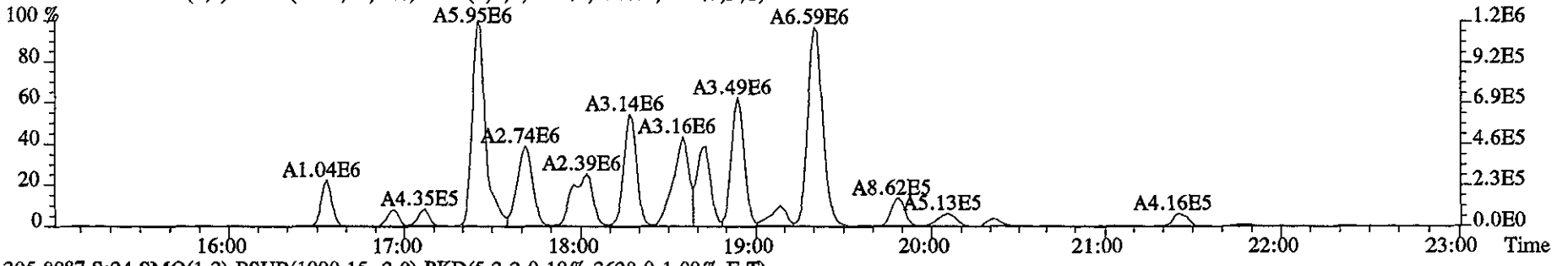
Run Text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2

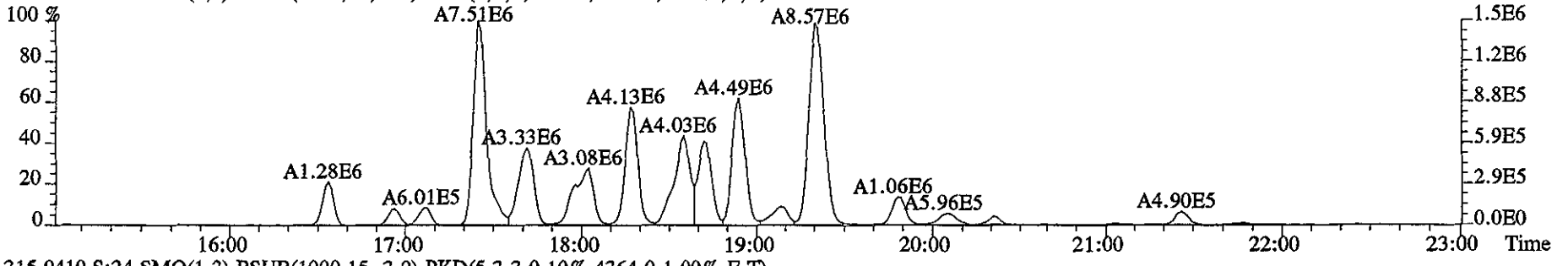
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3
Run: 9 File: 13SE10A4D5 S:24 Acq:14-SEP-10 04:17:55
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

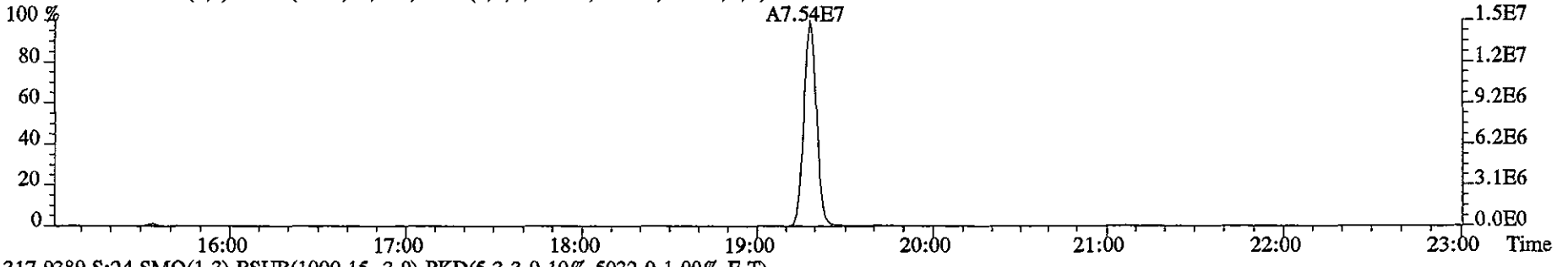
Amount:	104.91 of which	68.37 named and	36.54 unnamed
Conc:	209.82 of which	136.74 named and	73.08 unnamed

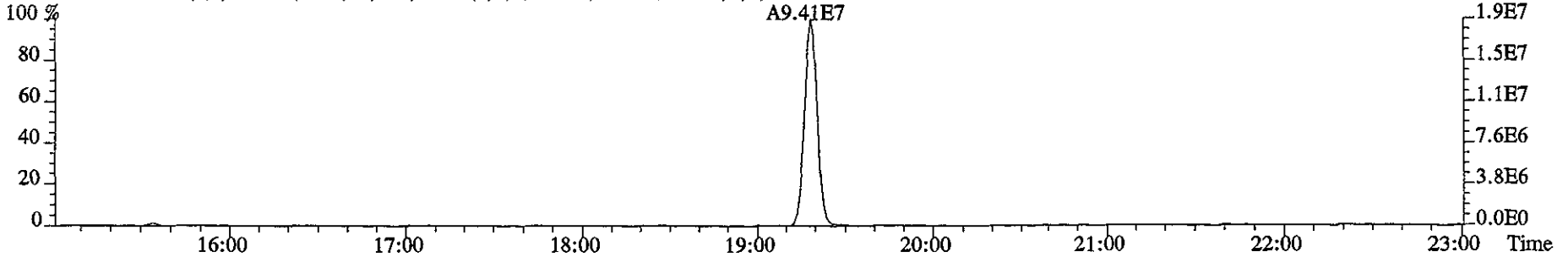
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	35:07	1.06	y	72.36	630883	90.7	y	n
						594174	131.2	y	n
1,2,3,4,6,7,8-HpCDD	2	35:42	1.05	y	136.74	1185180	154.4	y	n
						1129920	227.1	y	n
	3	35:59	5.23	n	0.72	31338	2.9	n	n
						5987	2.7	n	n

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

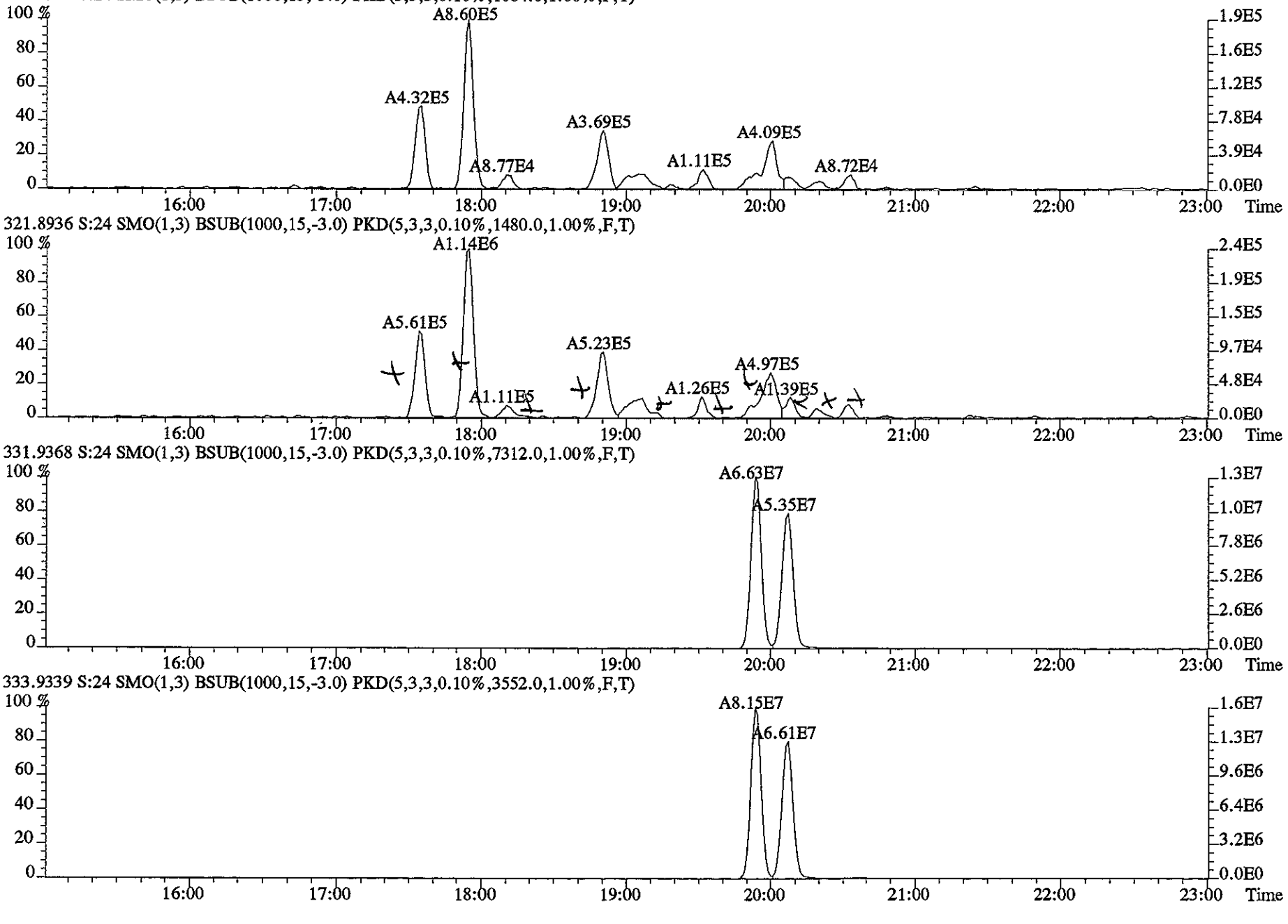




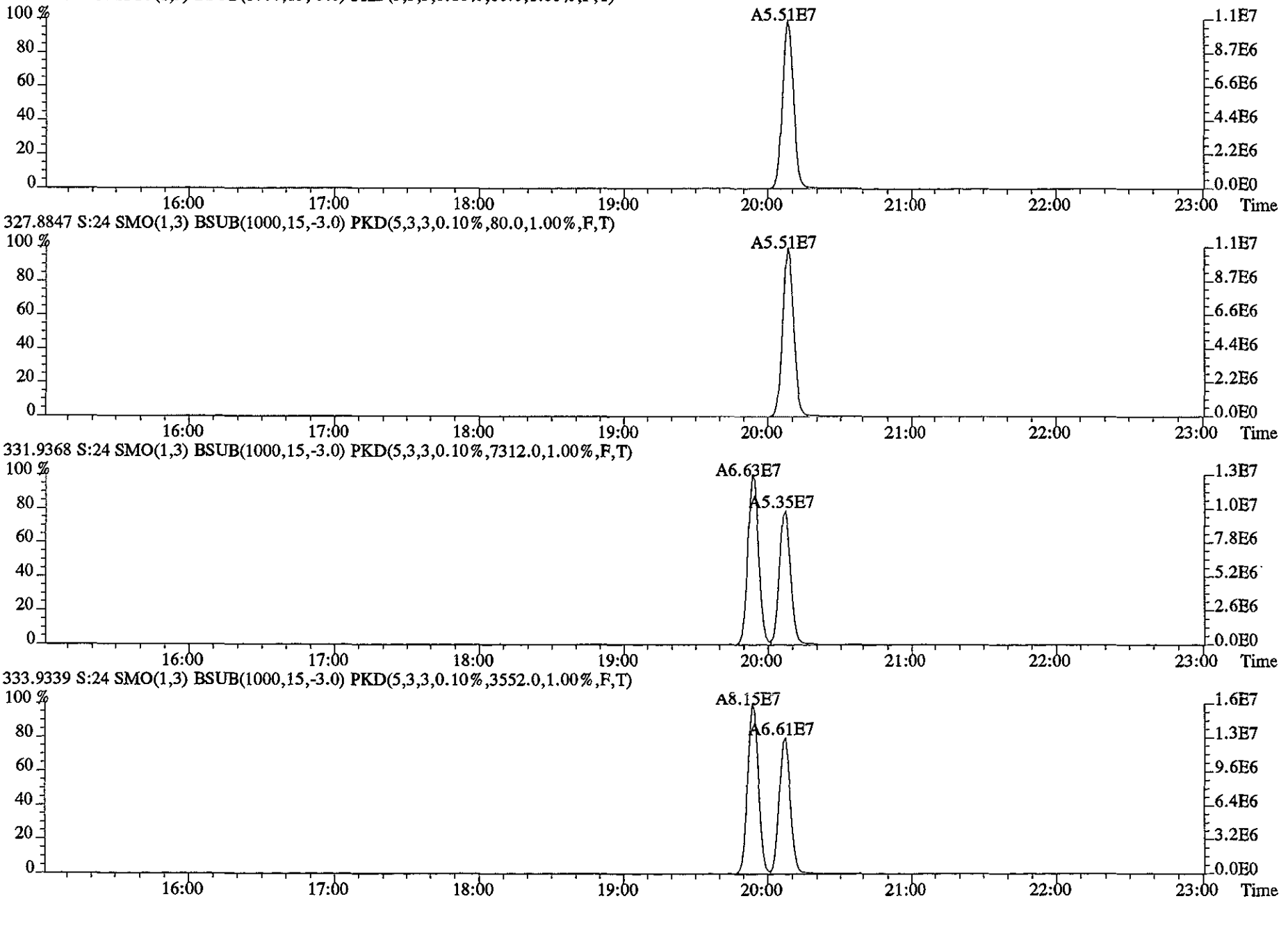




File:13SE10A4D5 #1-530 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

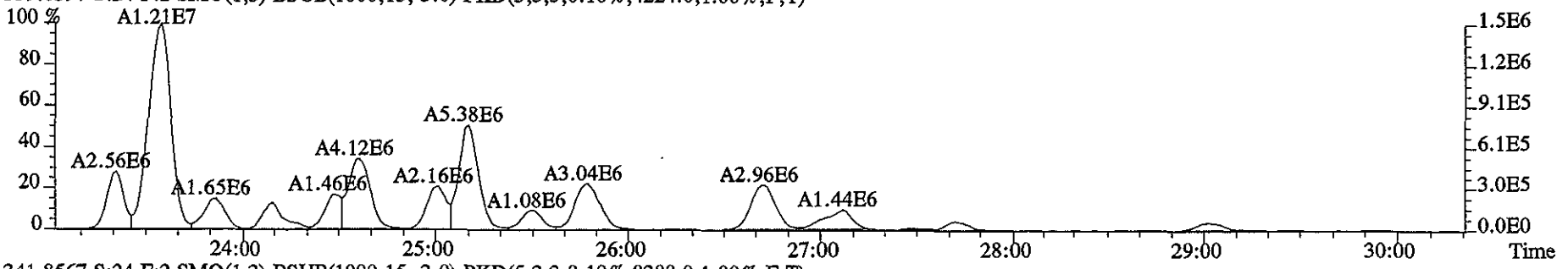


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

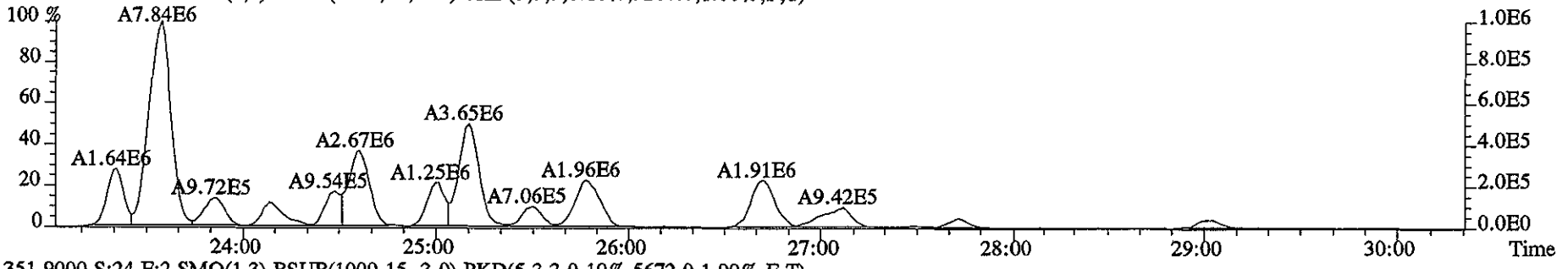


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

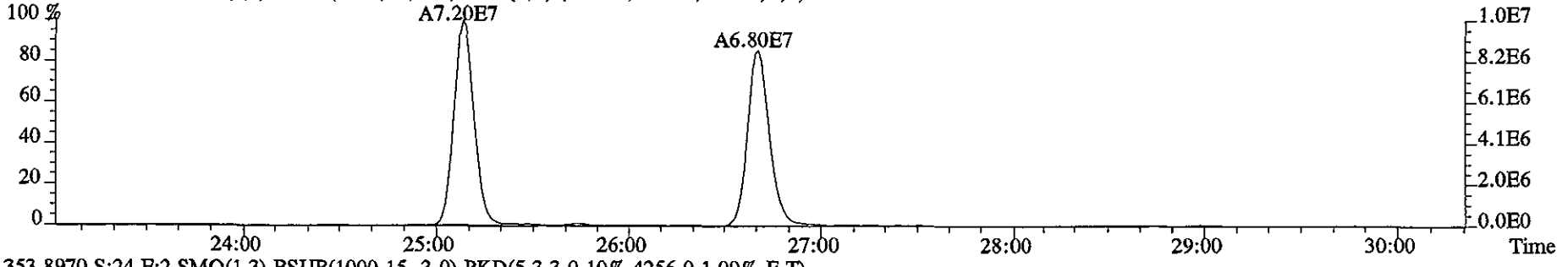
339.8597 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4224.0,1.00%,F,T)



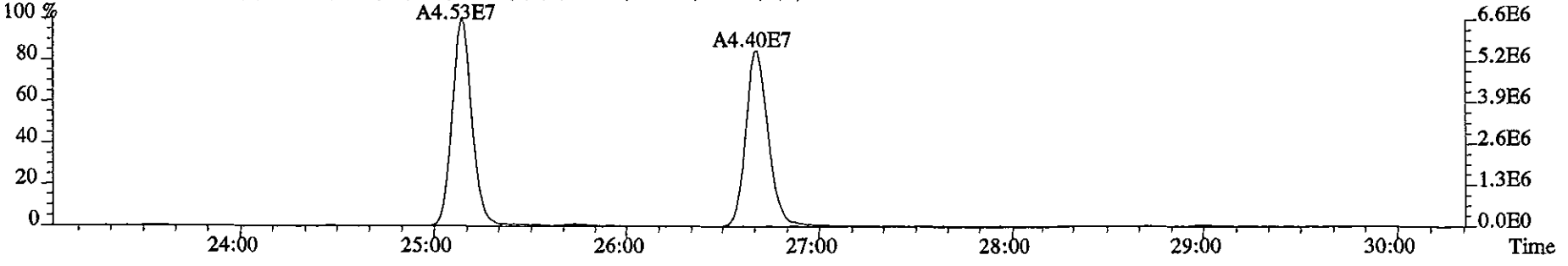
341.8567 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9280.0,1.00%,F,T)



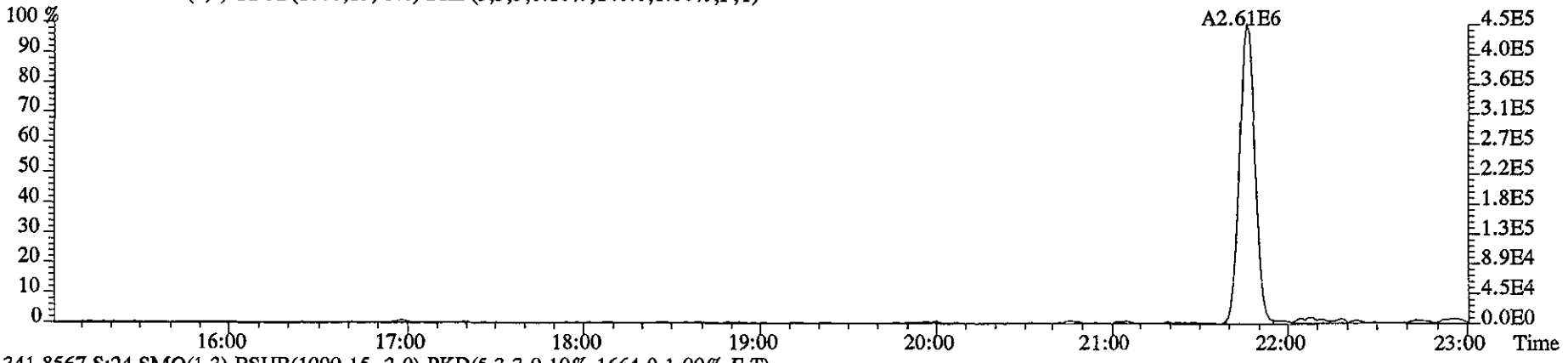
351.9000 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5672.0,1.00%,F,T)



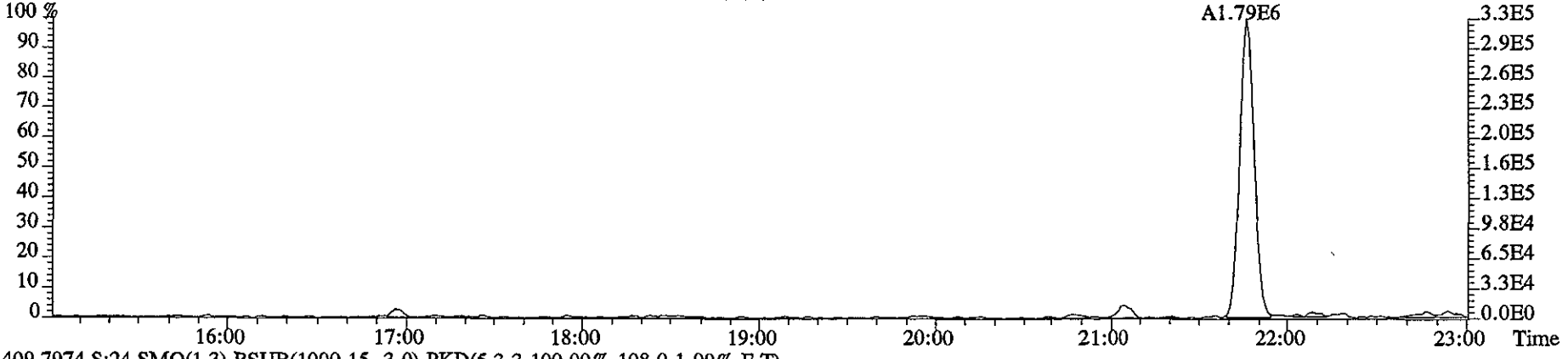
353.8970 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4256.0,1.00%,F,T)



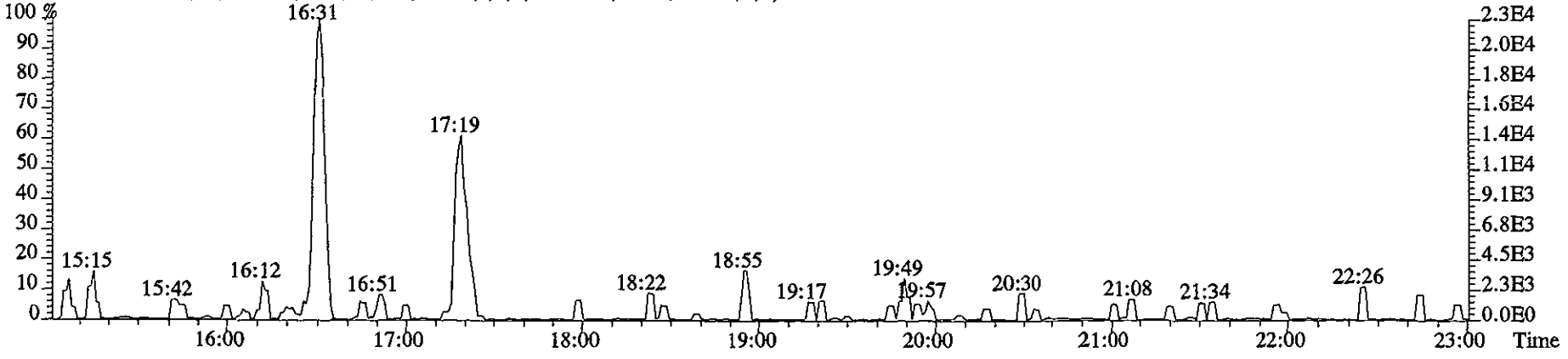
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES
339.8597 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



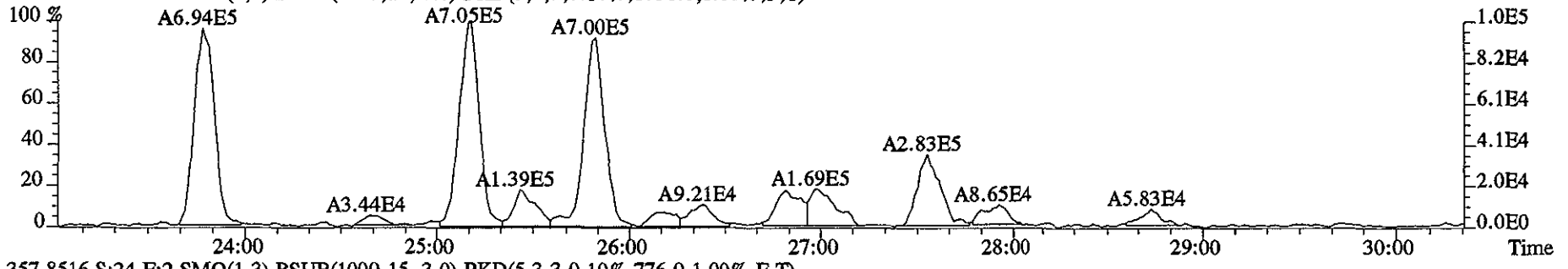
341.8567 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1664.0,1.00%,F,T)

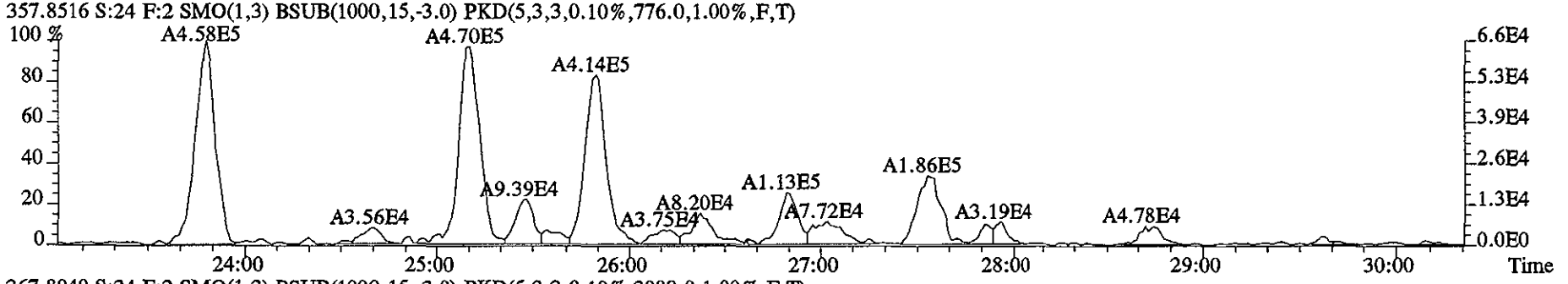


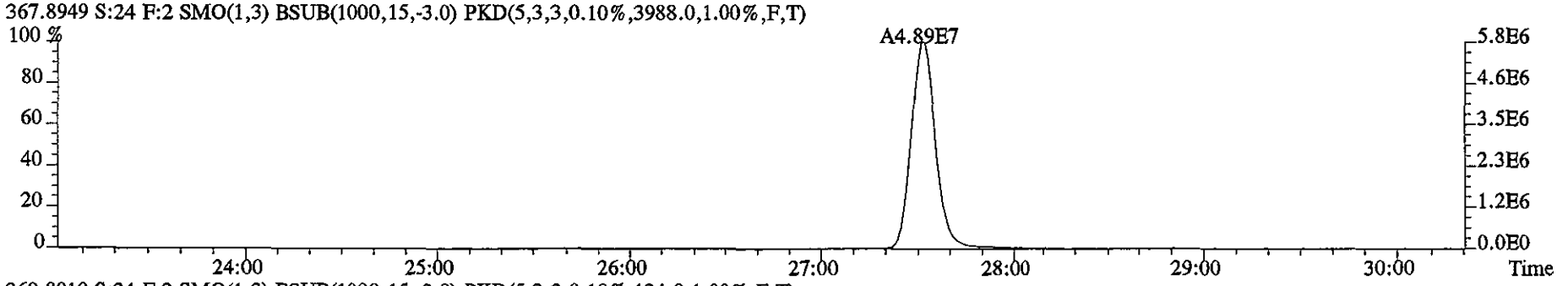
409.7974 S:24 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)

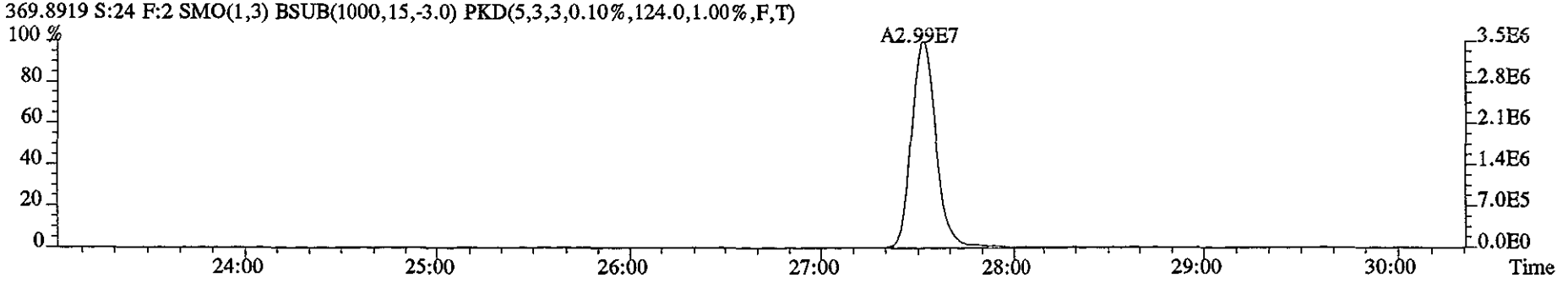


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

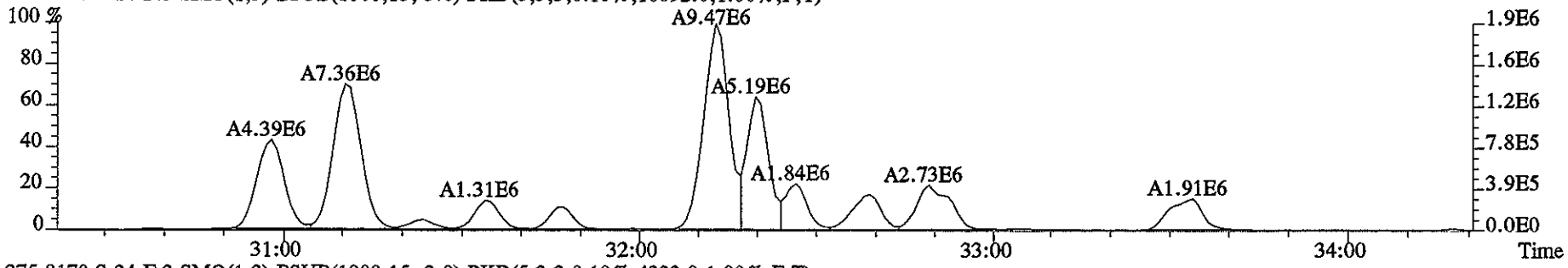


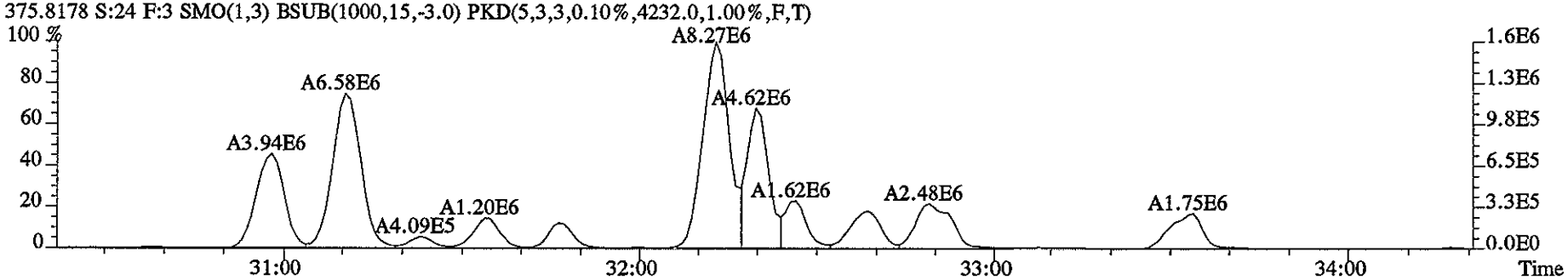


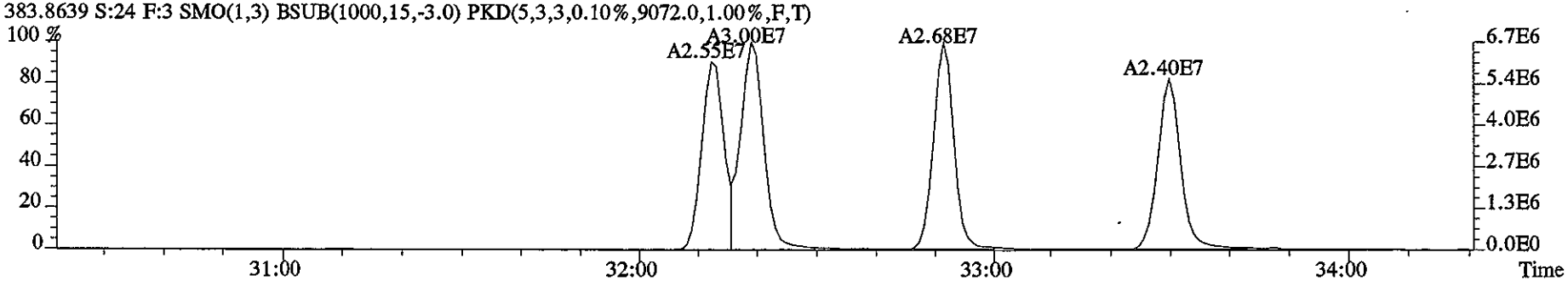


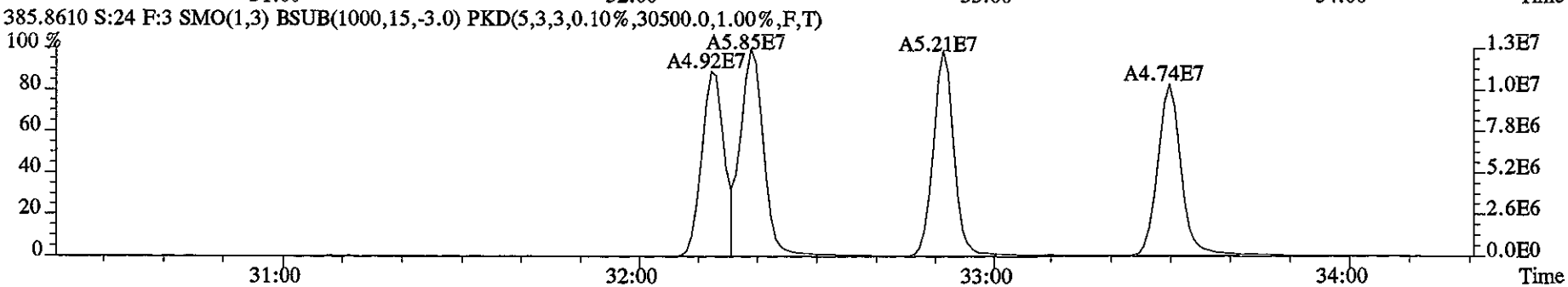


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

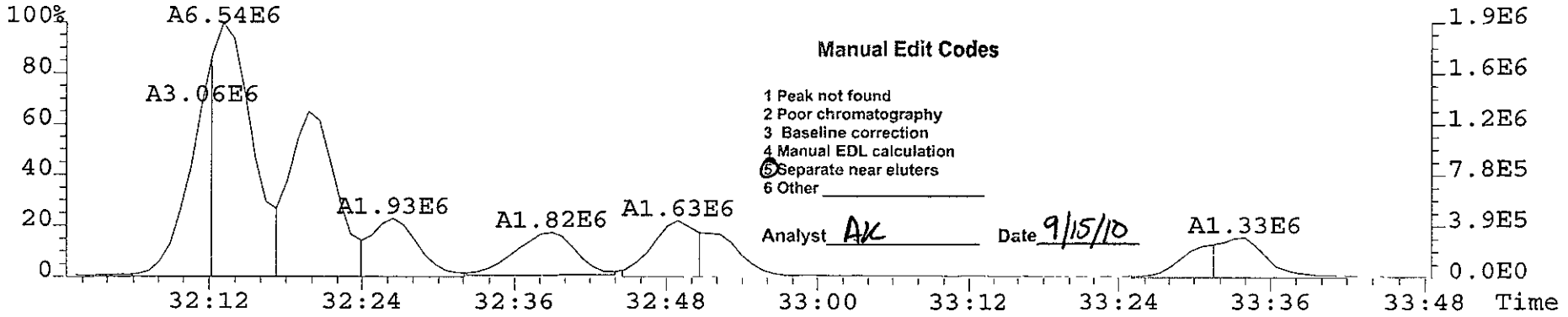








File:13SE10A4D5 #1-287 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES
373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10092.0,1.00%,F,T)

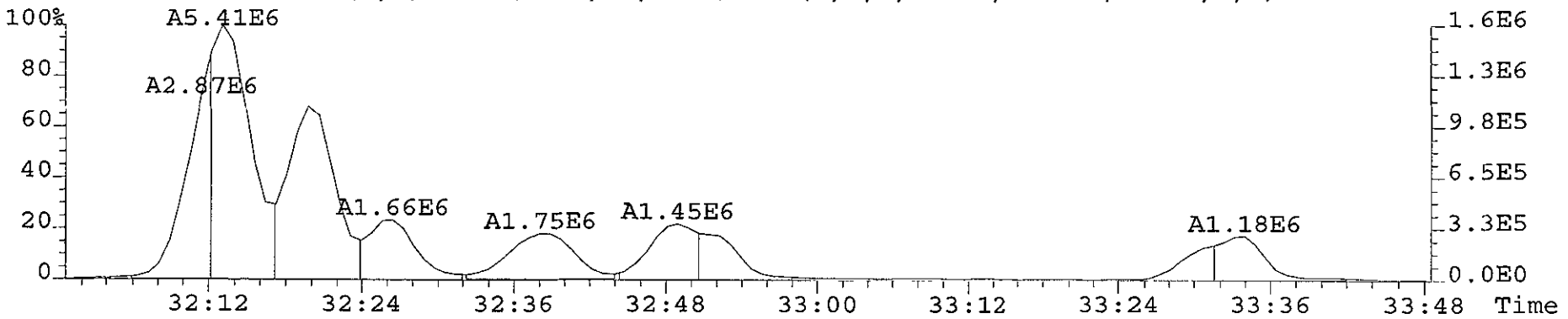


Manual Edit Codes

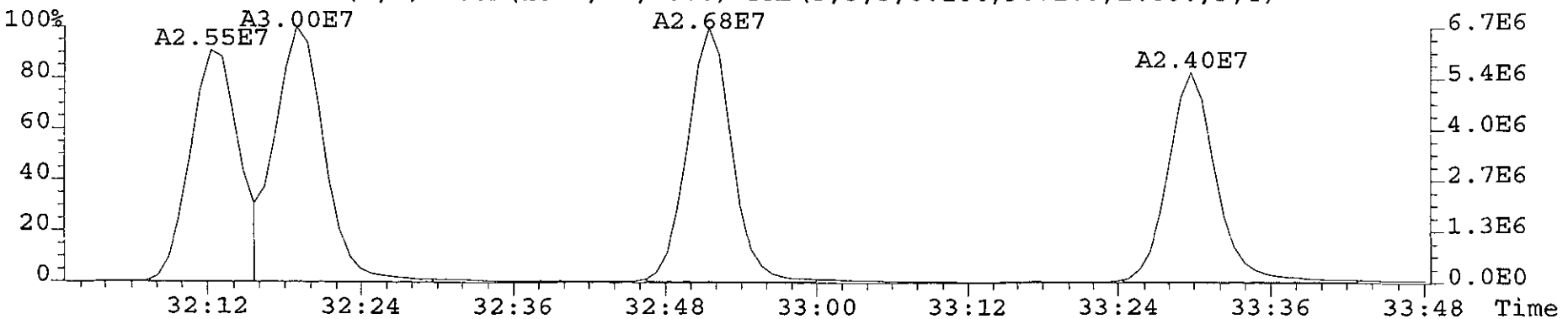
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst AK Date 9/15/10

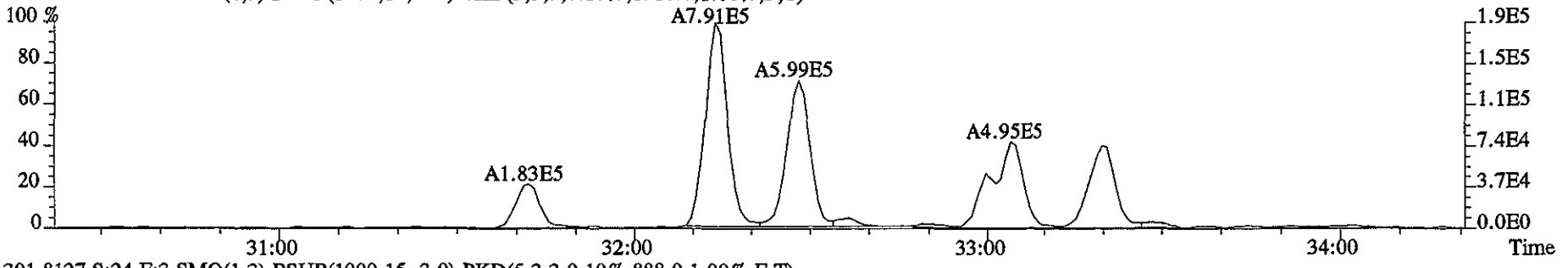
375.8178 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4232.0,1.00%,F,T)

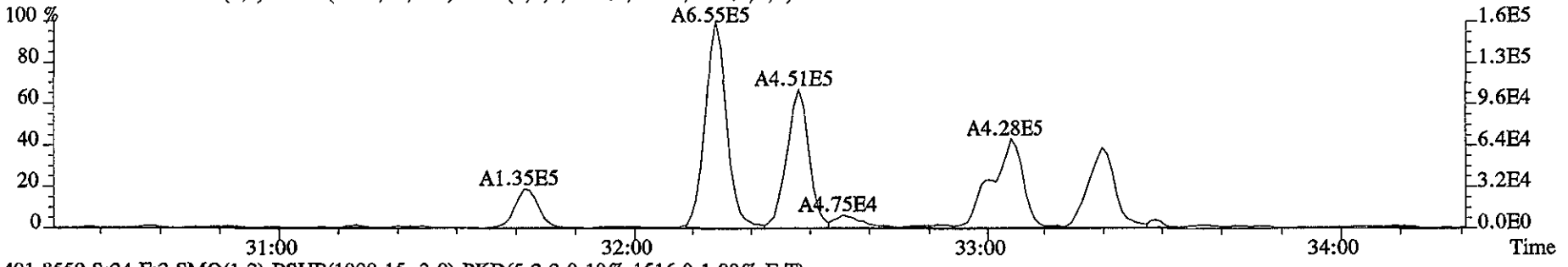


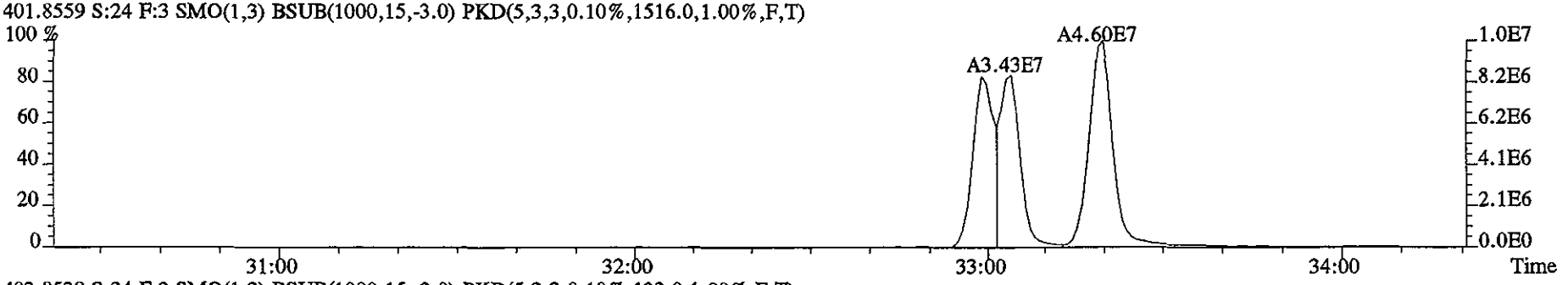
383.8639 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9072.0,1.00%,F,T)

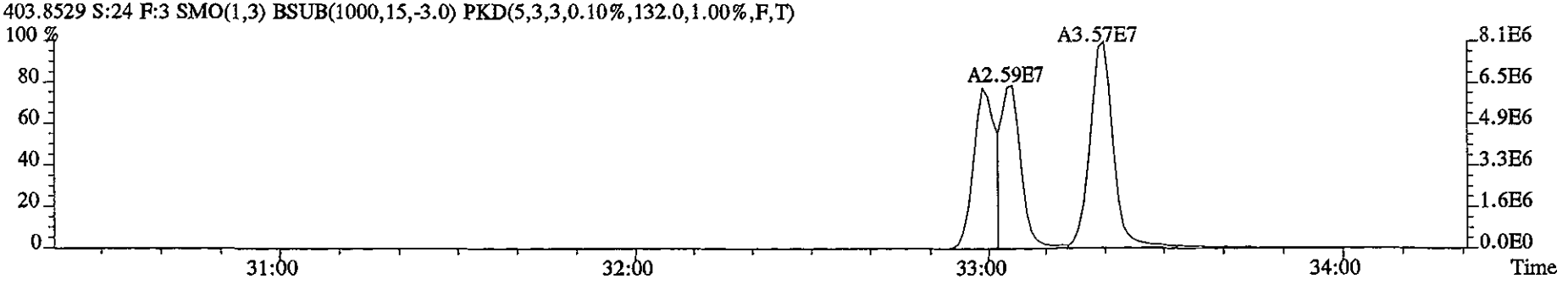


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES



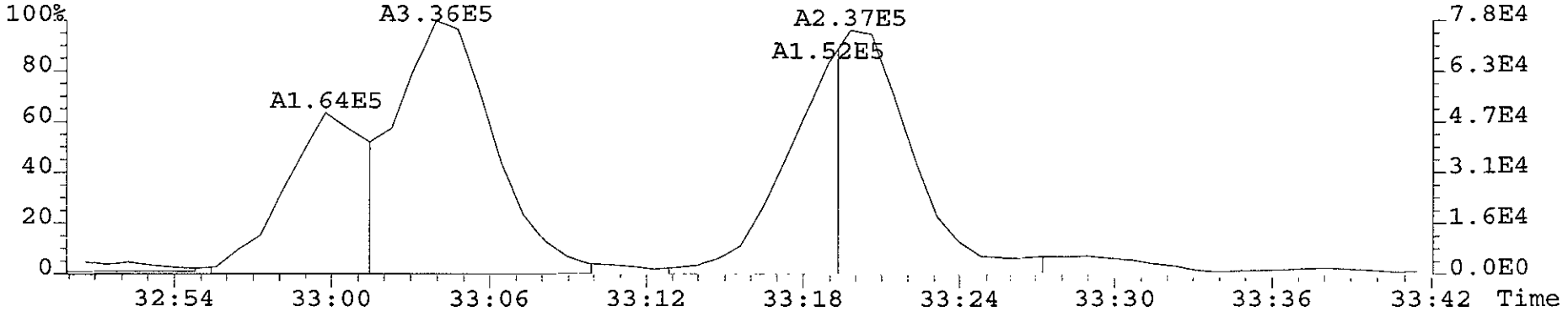




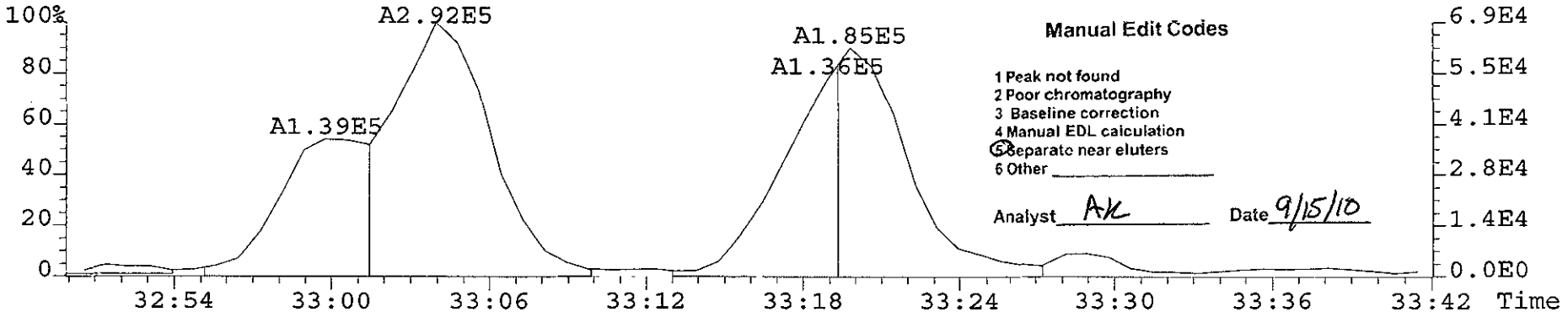


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

389.8157 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1516.0,1.00%,F,T)



391.8127 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,888.0,1.00%,F,T)

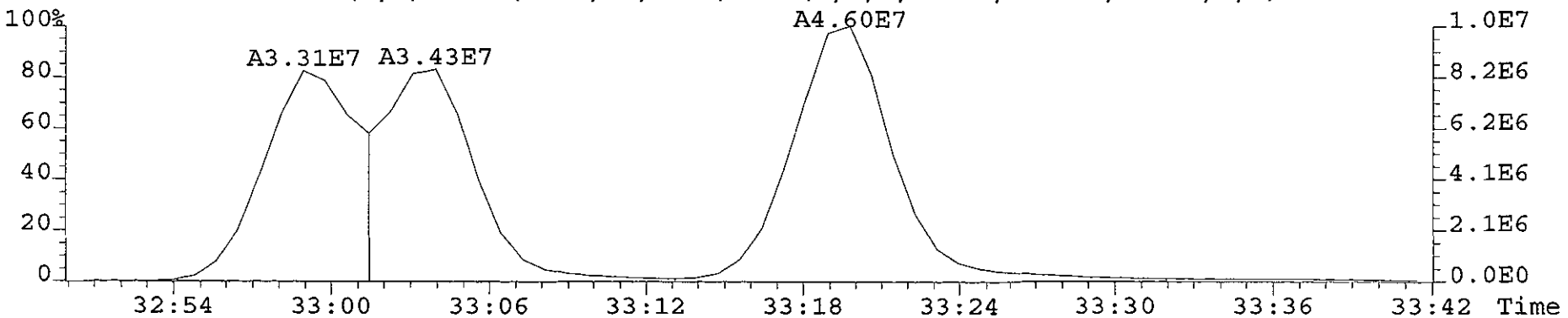


Manual Edit Codes

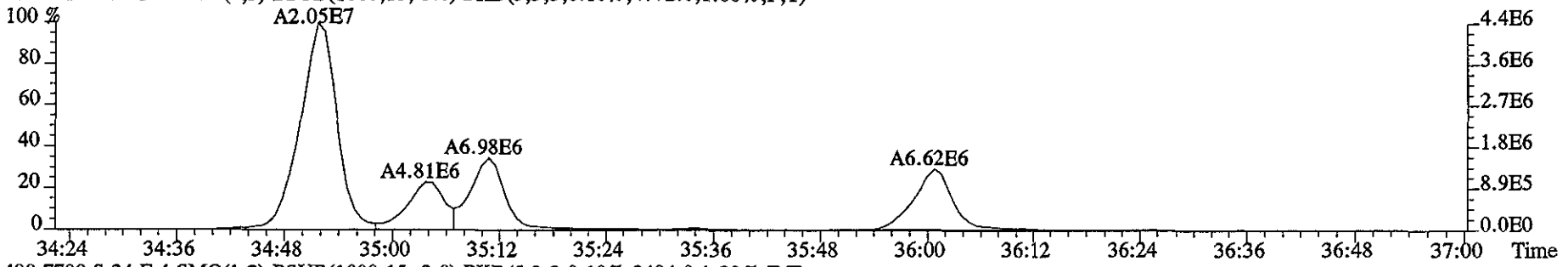
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

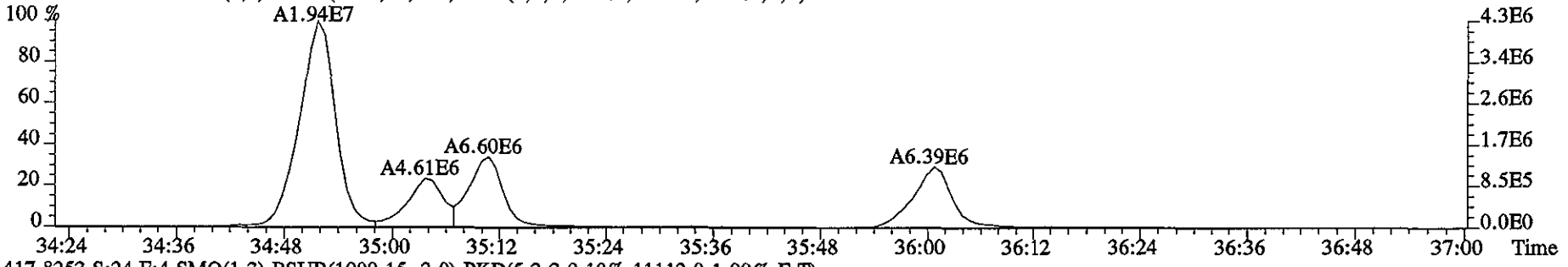
Analyst AK Date 9/15/10

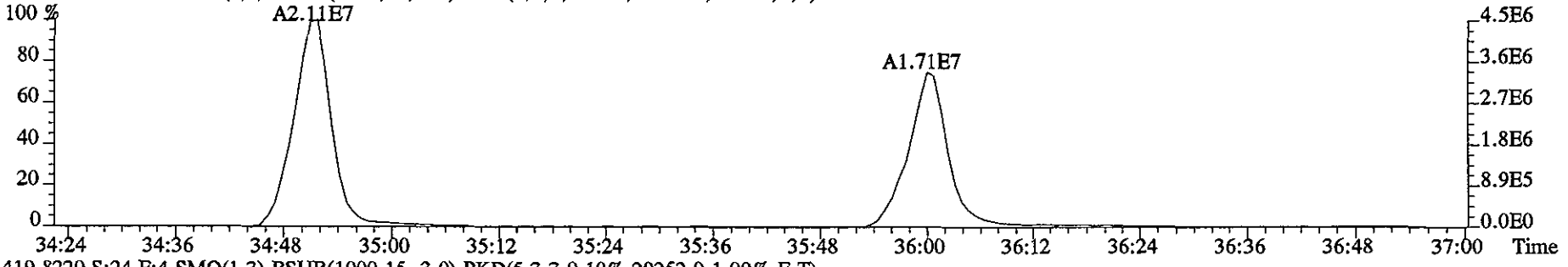
401.8559 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1516.0,1.00%,F,T)

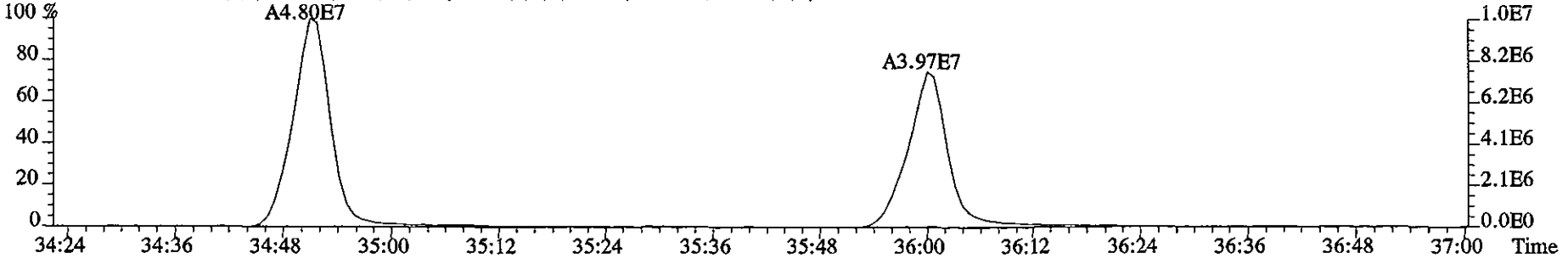


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

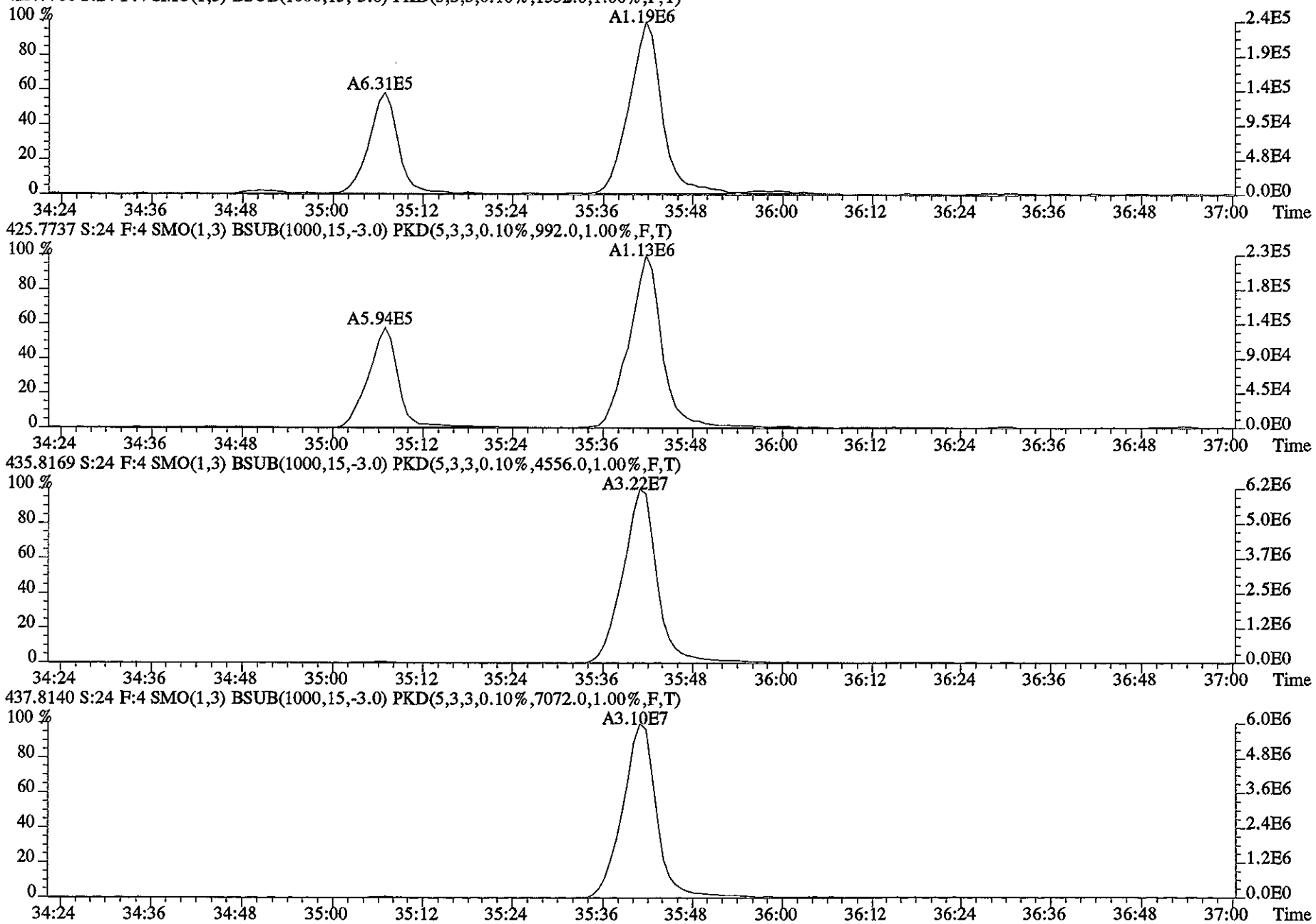




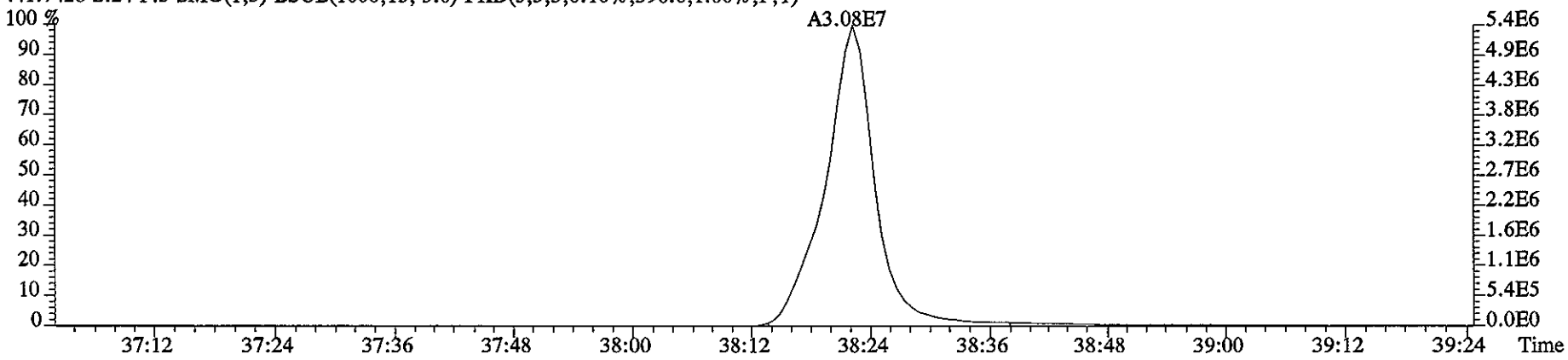




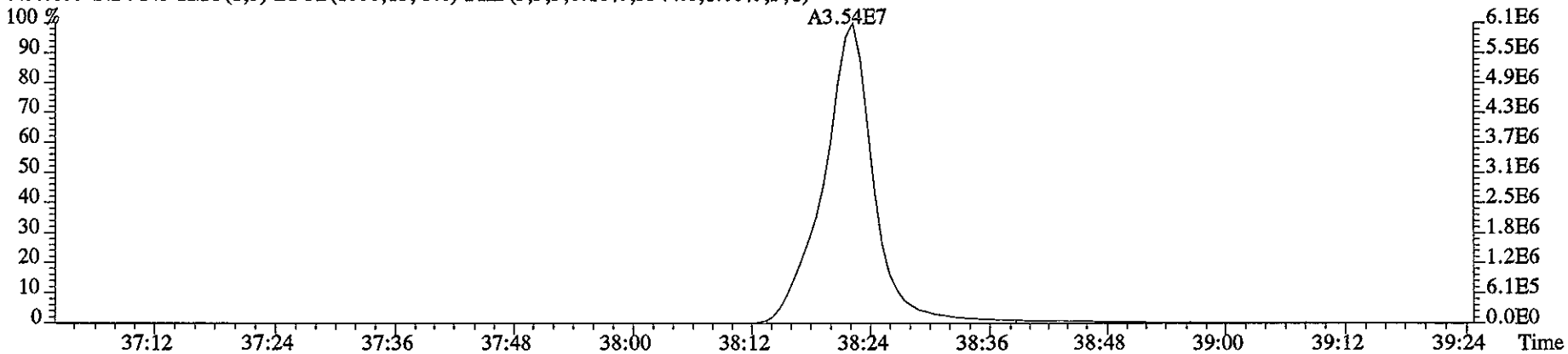
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES



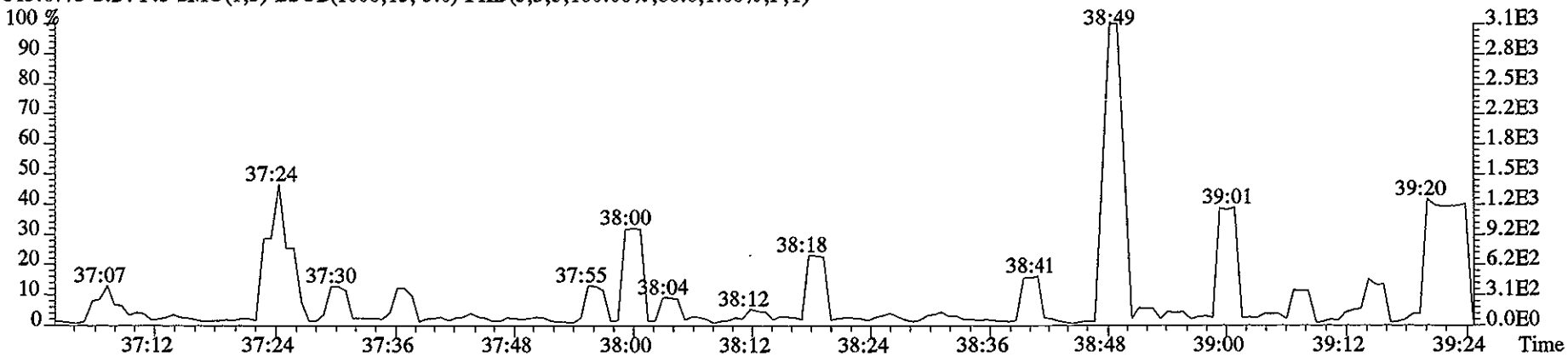
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES
441.7428 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,396.0,1.00%,F,T)



443.7399 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3344.0,1.00%,F,T)

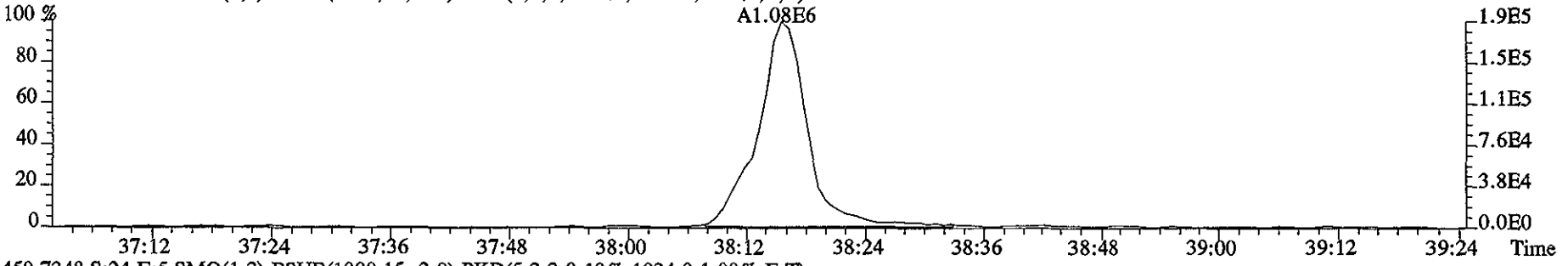


513.6775 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,80.0,1.00%,F,T)

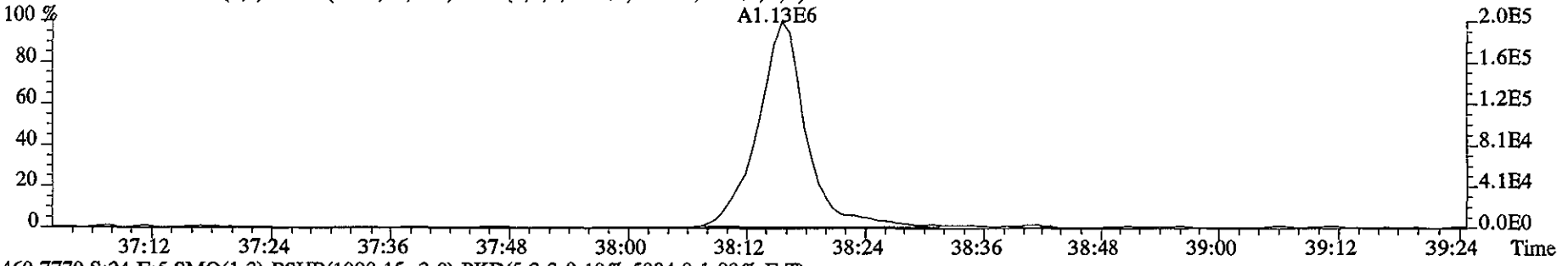


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

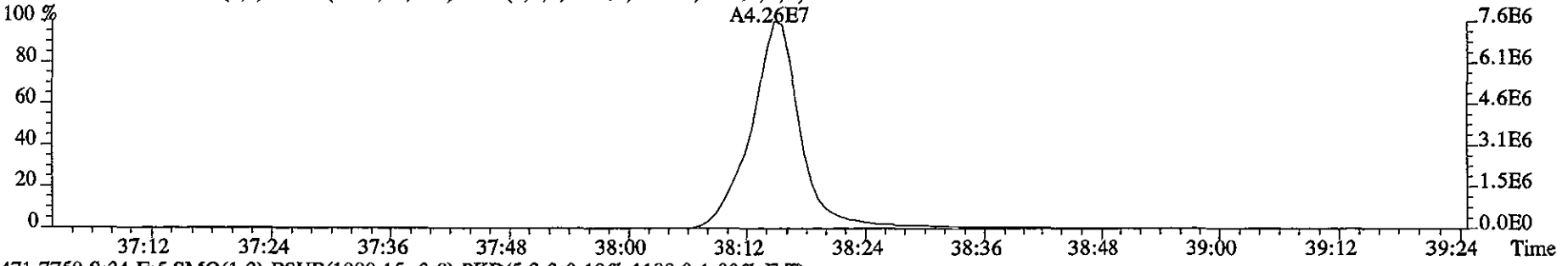
457.7377 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1320.0,1.00%,F,T)



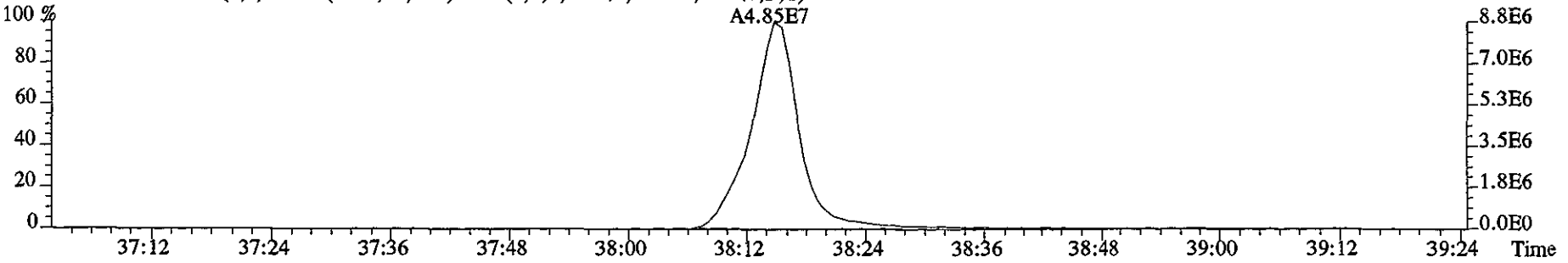
459.7348 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)



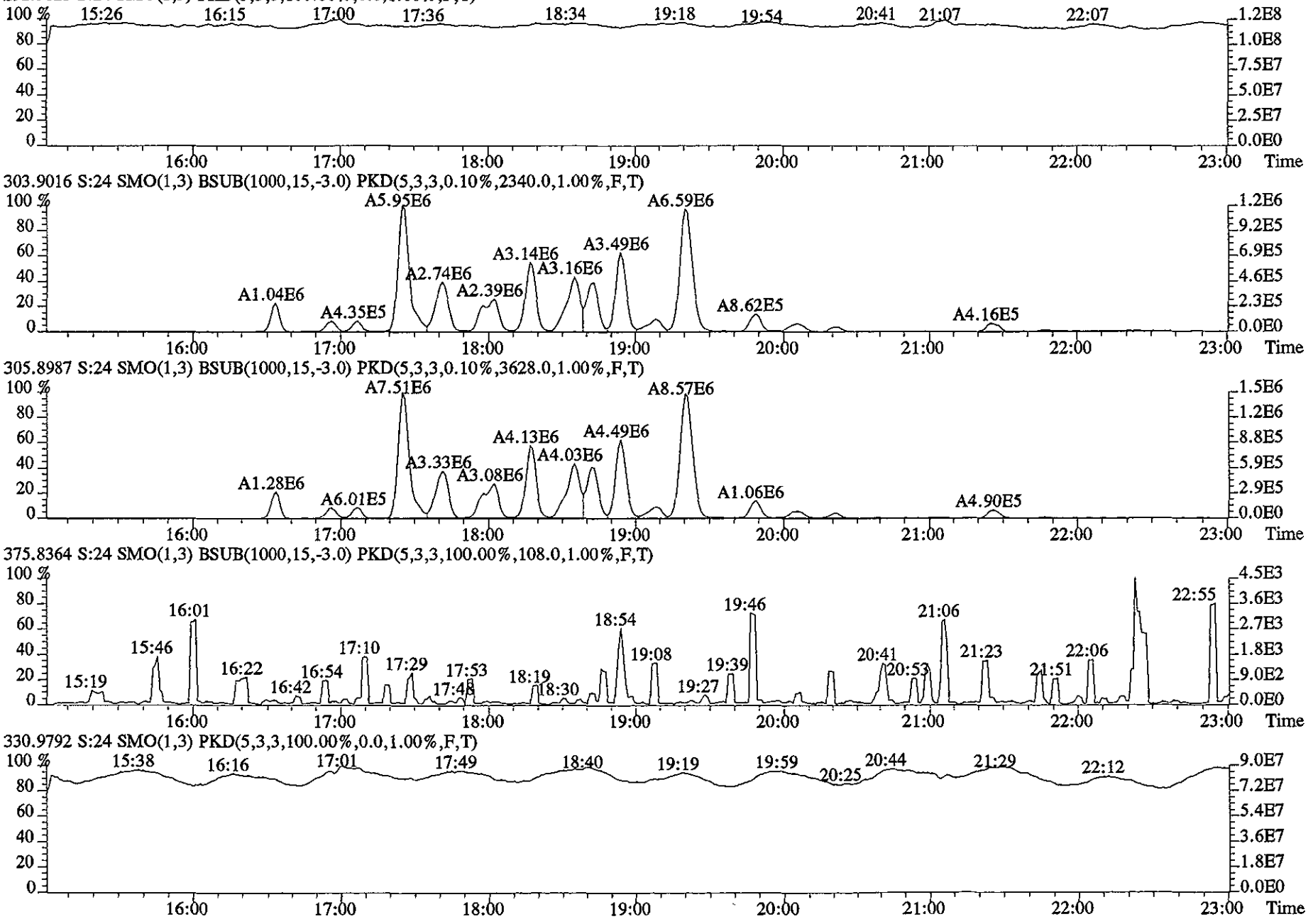
469.7779 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5084.0,1.00%,F,T)



471.7750 S:24 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1188.0,1.00%,F,T)

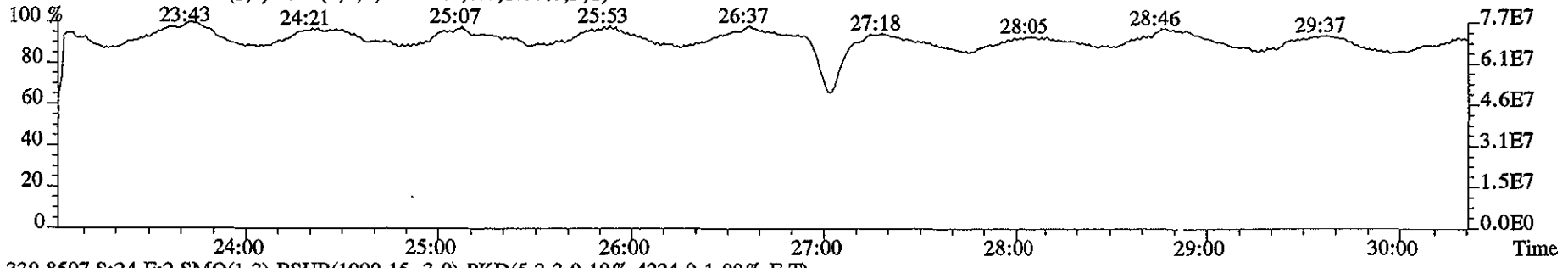


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

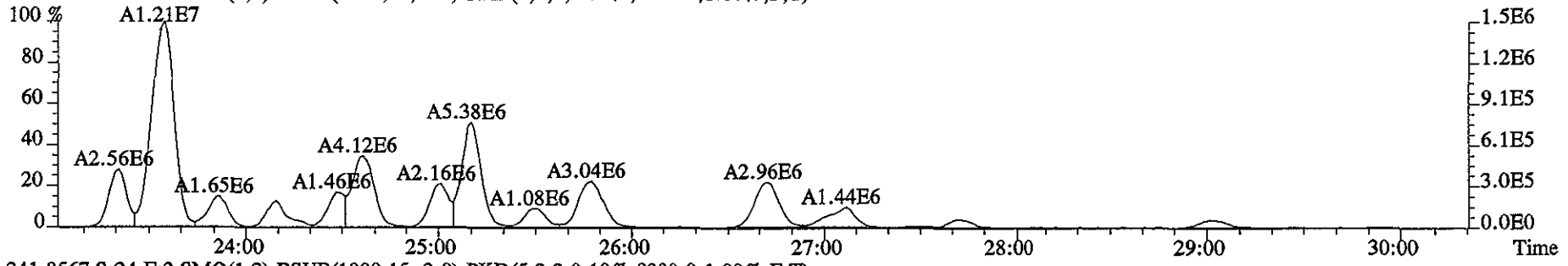


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

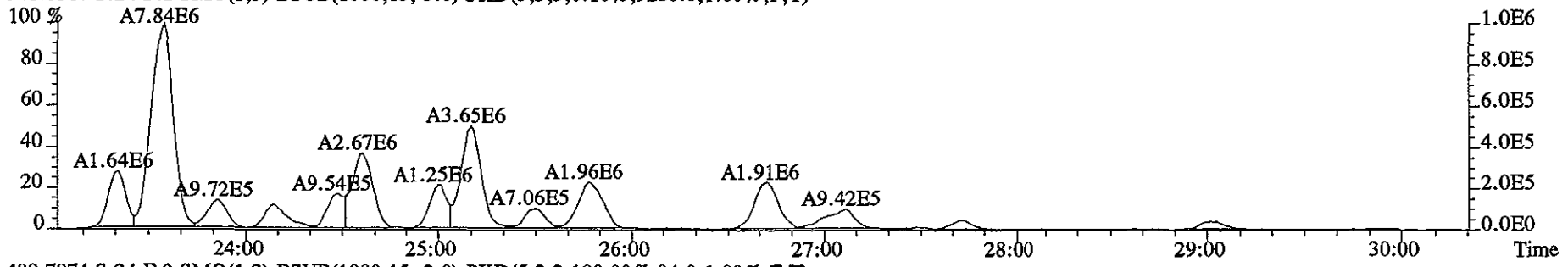
342.9792 S:24 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



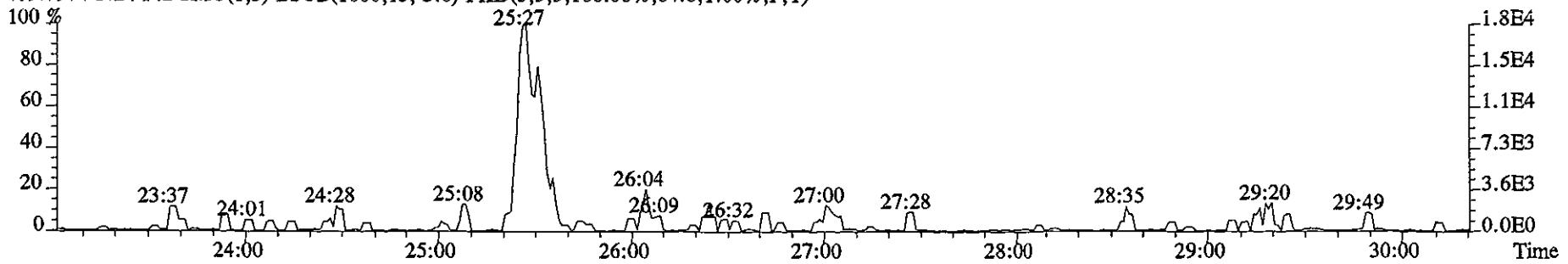
339.8597 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4224.0,1.00%,F,T)



341.8567 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9280.0,1.00%,F,T)

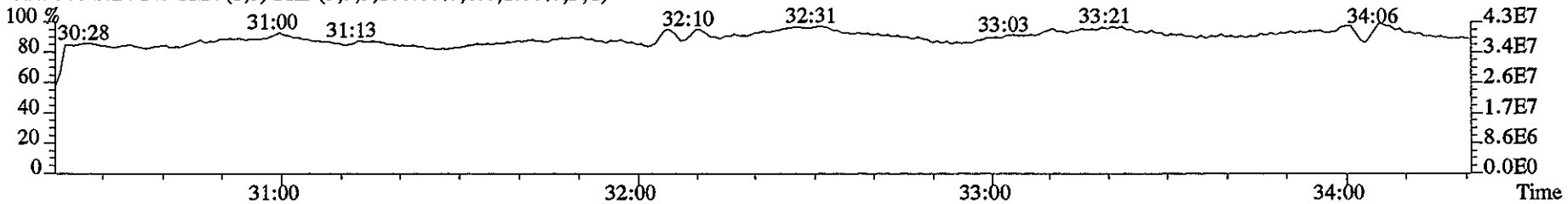


409.7974 S:24 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)

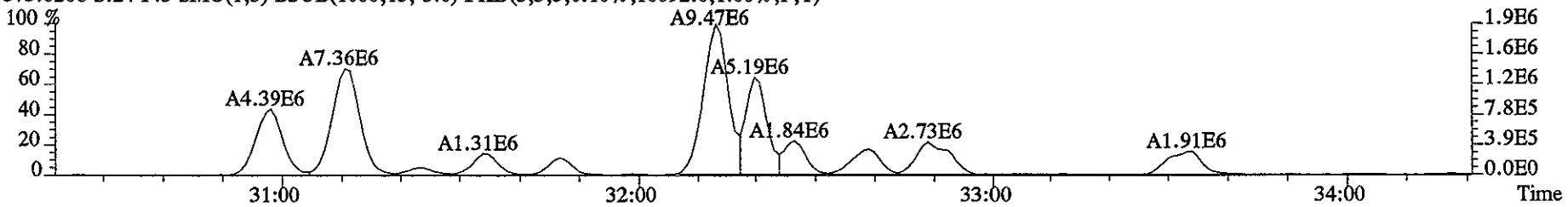


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES

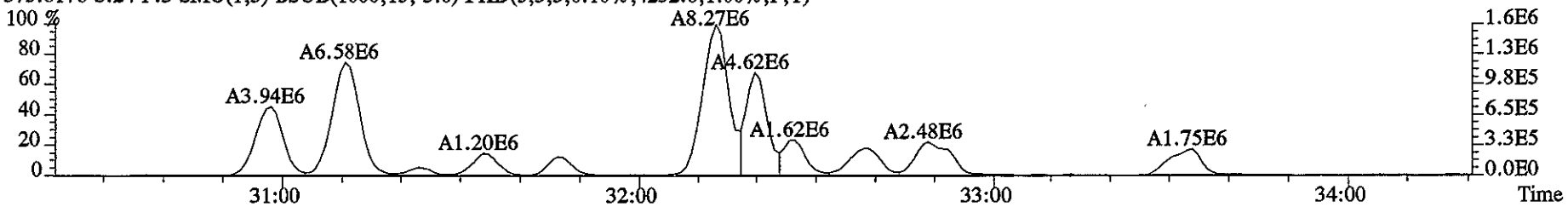
392.9760 S:24 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



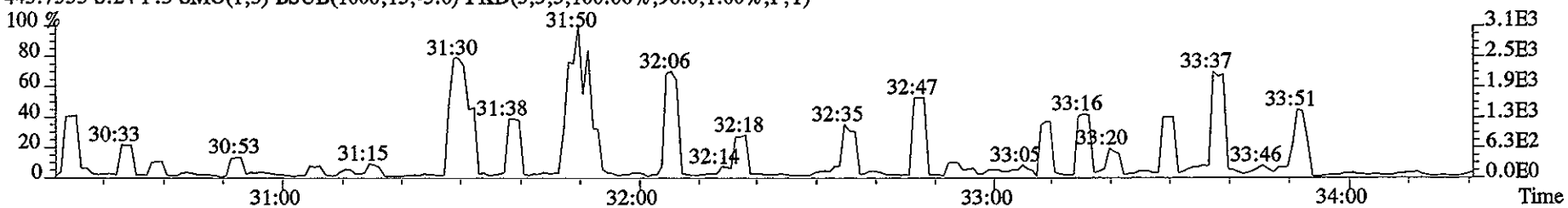
373.8208 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10092.0,1.00%,F,T)



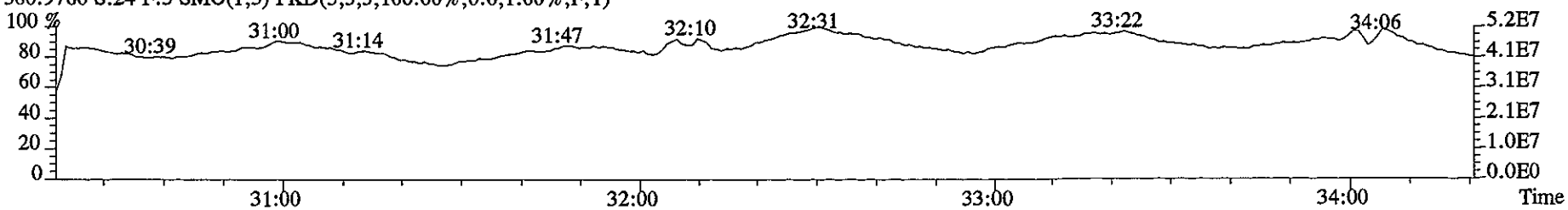
375.8178 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4232.0,1.00%,F,T)



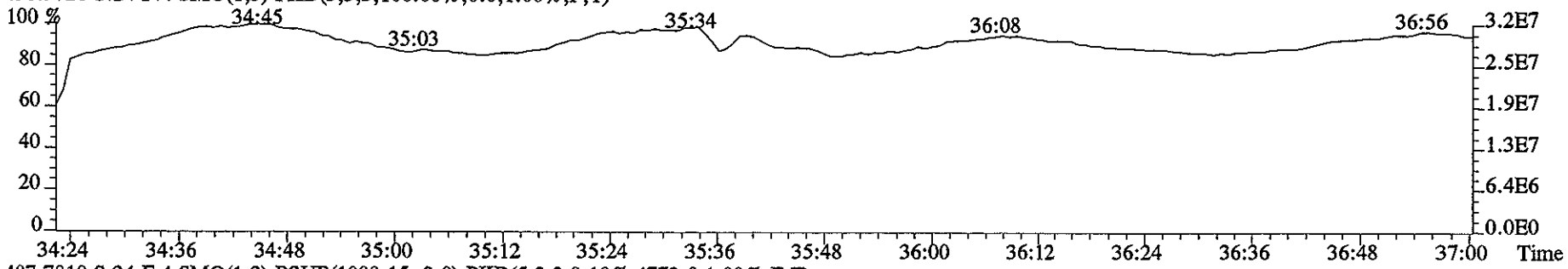
445.7555 S:24 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,96.0,1.00%,F,T)



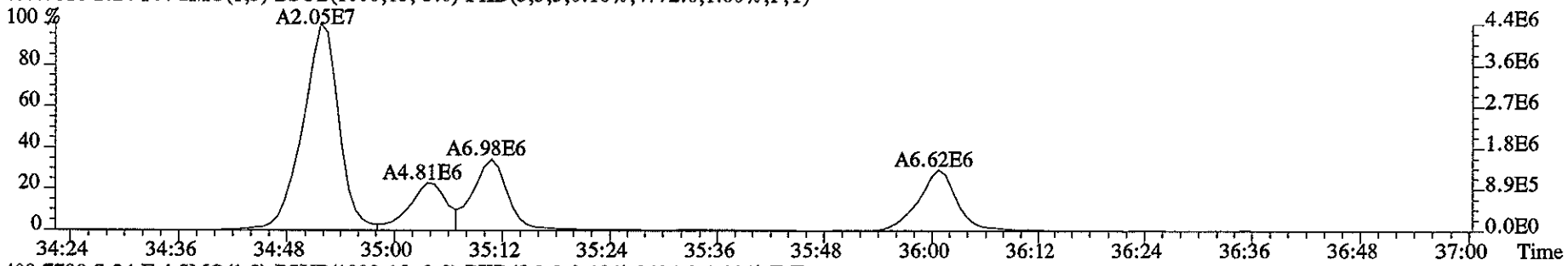
380.9760 S:24 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



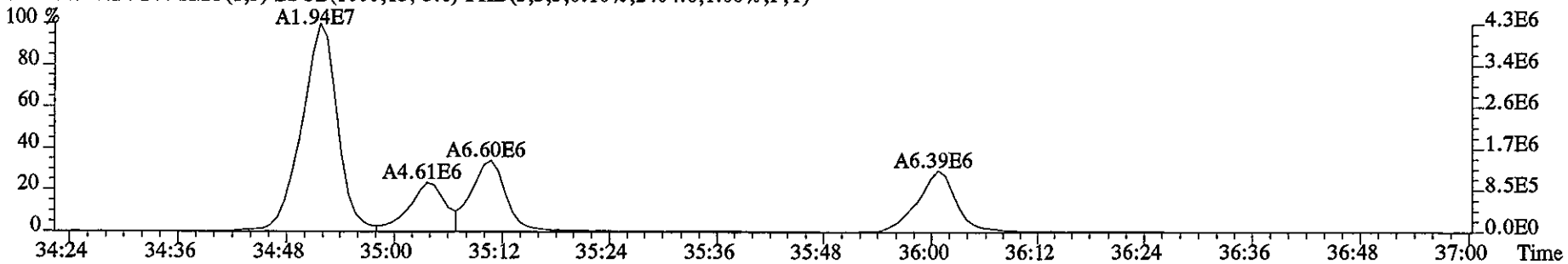
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES
430.9728 S:24 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



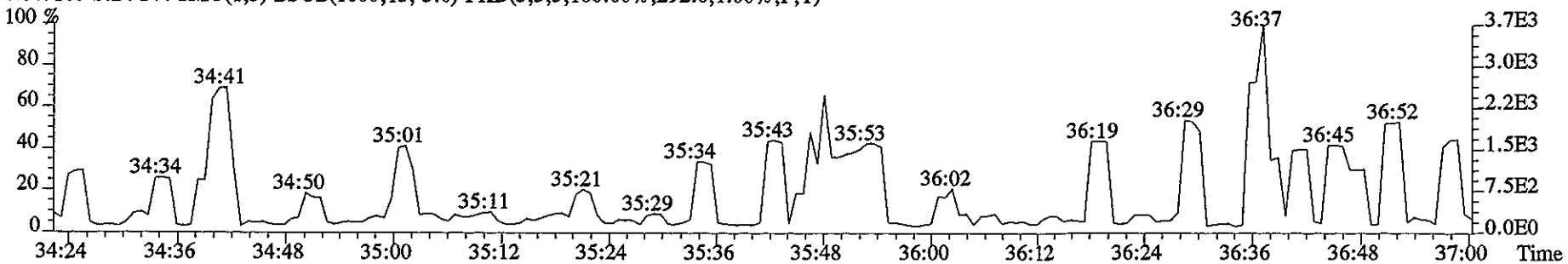
407.7818 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4772.0,1.00%,F,T)



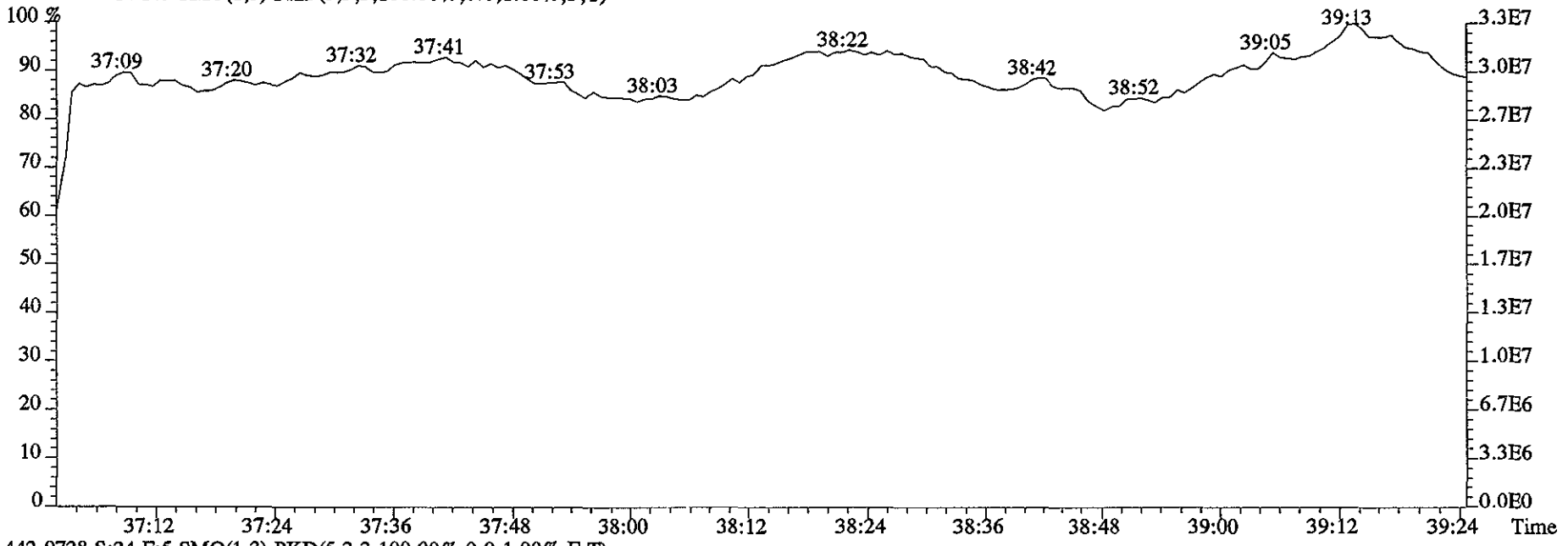
409.7789 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



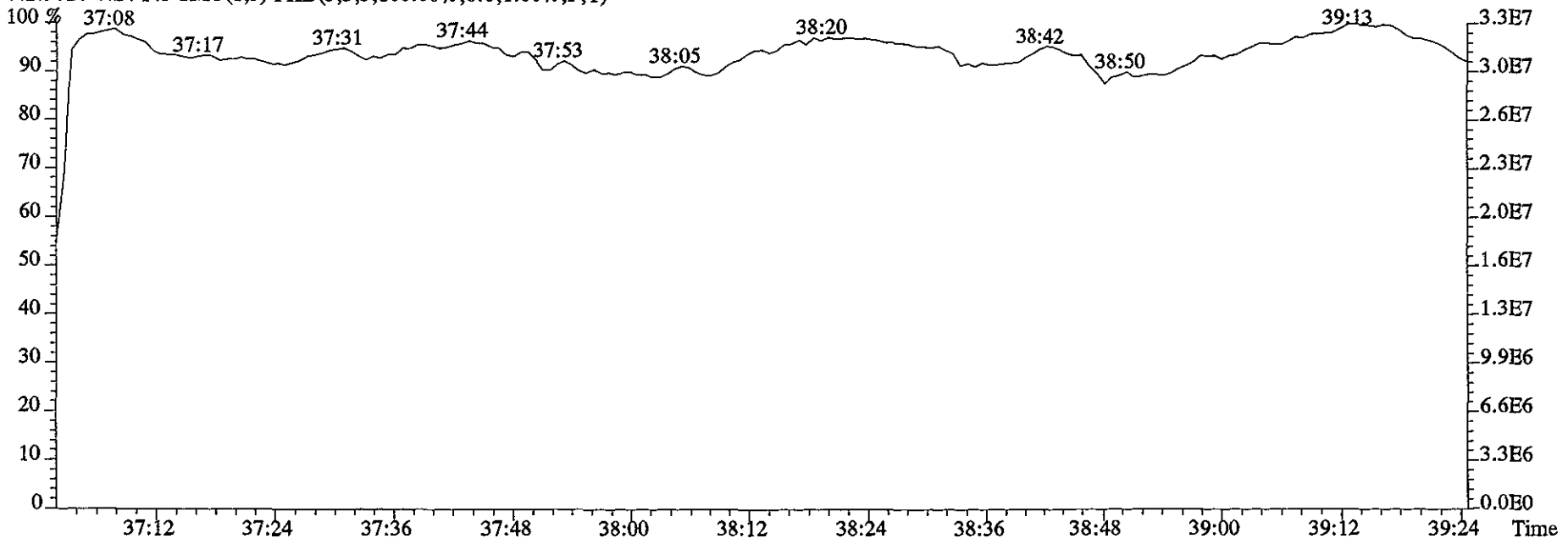
479.7165 S:24 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,292.0,1.00%,F,T)



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 04:17:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#24 Text:L6K6W-1-AA :G0I040476-2 Exp:DIOXINRES
454.9728 S:24 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:24 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

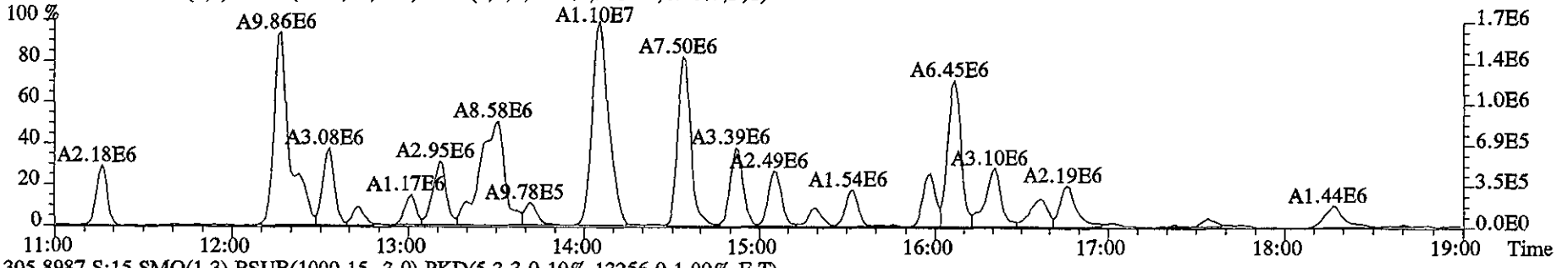


Run text: L6K6W-1-AA Sample text: L6K6W-1-AA :G0I040476-2
Run #8 Filename: 14SE10C5D2 S: 15 I: 1 Results: 14SE10C5D2DB225AIR
Acquired: 15-SEP-10 03:16:54 Processed: 15-SEP-10 10:05:18
Run: 14SE10C5D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000sam

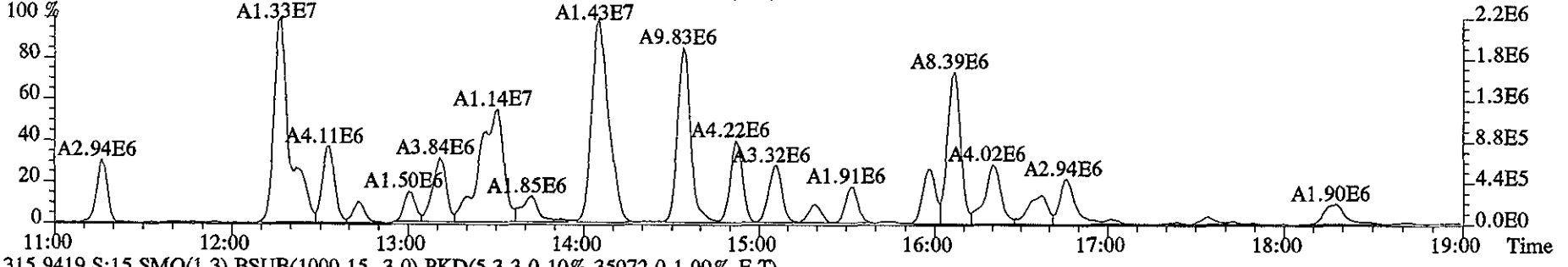
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	204850800	0.78 y	14:55	-	346.91	-	-	n
13C-2,3,7,8-TCDF	367954000	0.79 y	16:05	2.11	3402.94	8.90	85.1	n
2,3,7,8-TCDF	14845470	0.77 y	16:07	1.06	152.81	3.61	-	n
13C-2,3,7,8-TCDD	170543600	0.76 y	14:38	0.88	3764.03	18.03	94.1	n
2,3,7,8-TCDD	931385	0.74 y	14:40	1.64	13.35	4.23	-	n
37Cl-2,3,7,8-TCDD	175417200	1.00 y	14:39	1.46	2821.58	8.13	176.3	n

AK 9/16/10

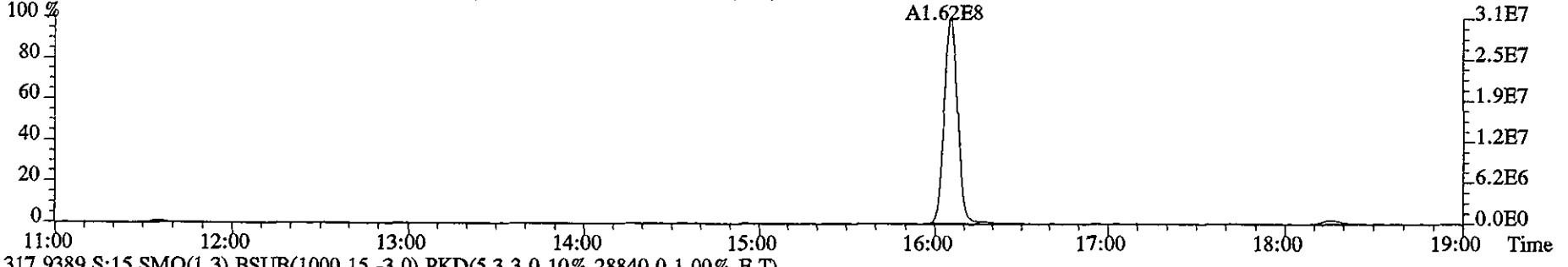
File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 03:16:54 GC EI+ Voltage SIR 70SE
Sample#15 Text:L6K6W-1-AA :G0I040476-2 Exp:DB225RES
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9016.0,1.00%,F,T)



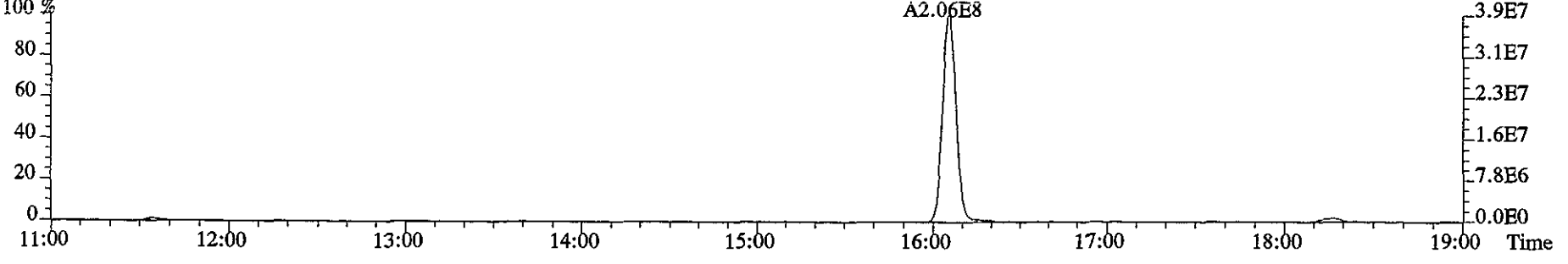
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13256.0,1.00%,F,T)



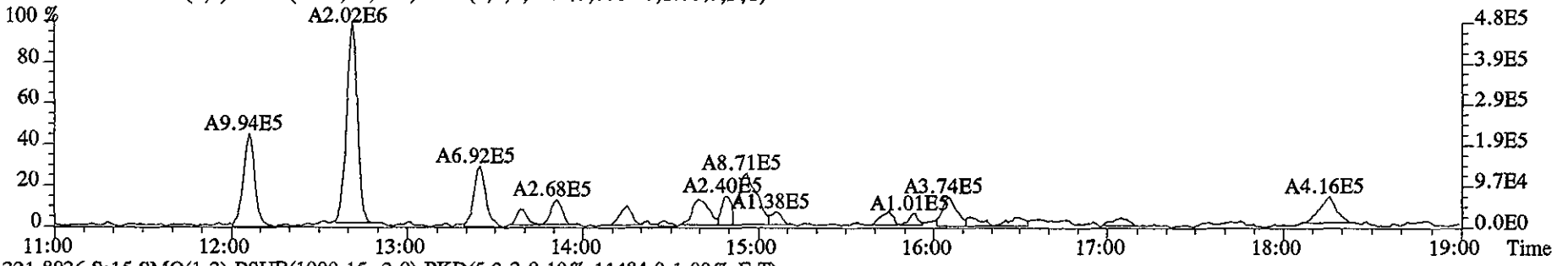
315.9419 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35072.0,1.00%,F,T)



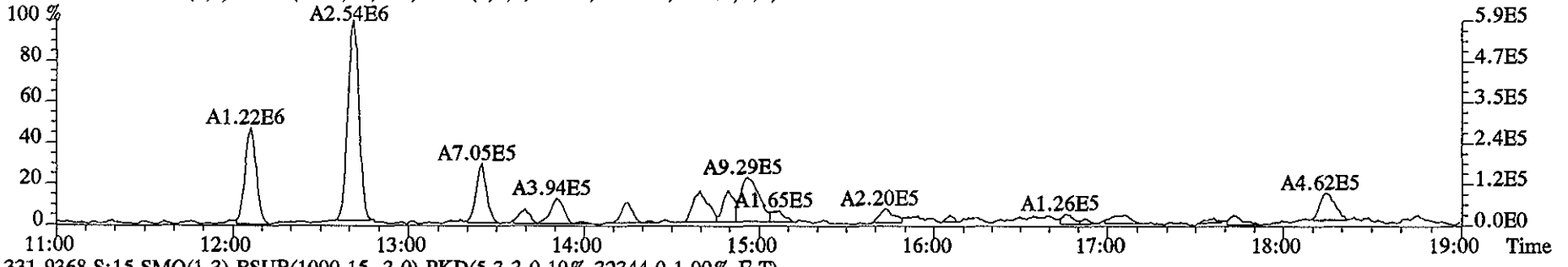
317.9389 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28840.0,1.00%,F,T)



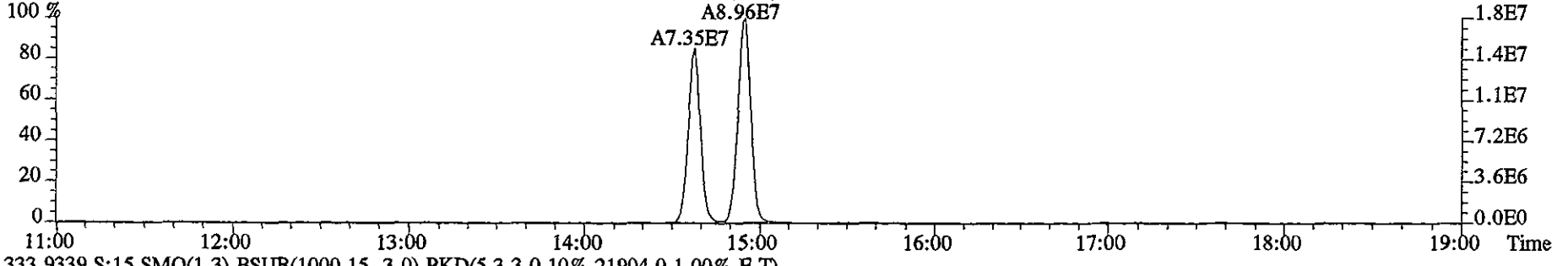
File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 03:16:54 GC EI+ Voltage SIR 70SE
Sample#15 Text:L6K6W-1-AA :G0I040476-2 Exp:DB225RES
319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8860.0,1.00%,F,T)



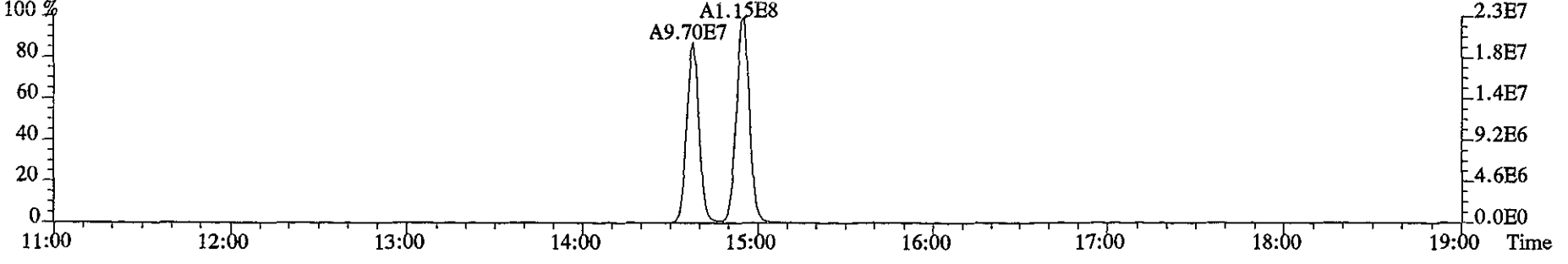
321.8936 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11484.0,1.00%,F,T)



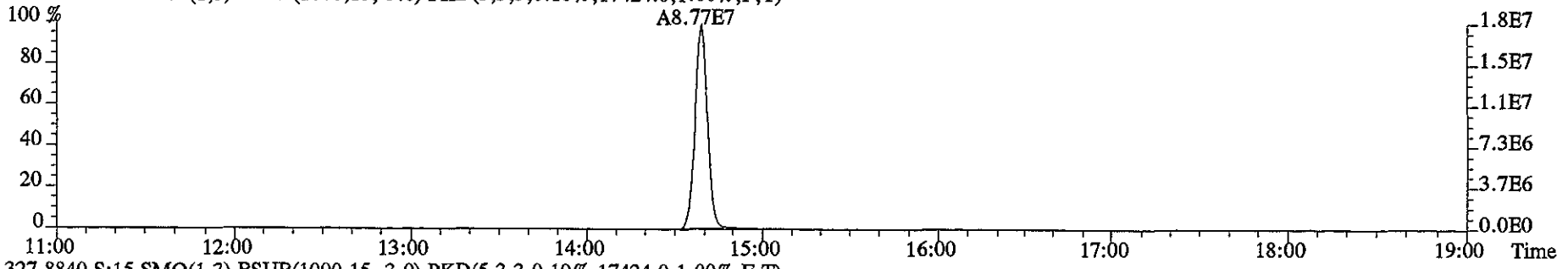
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32344.0,1.00%,F,T)



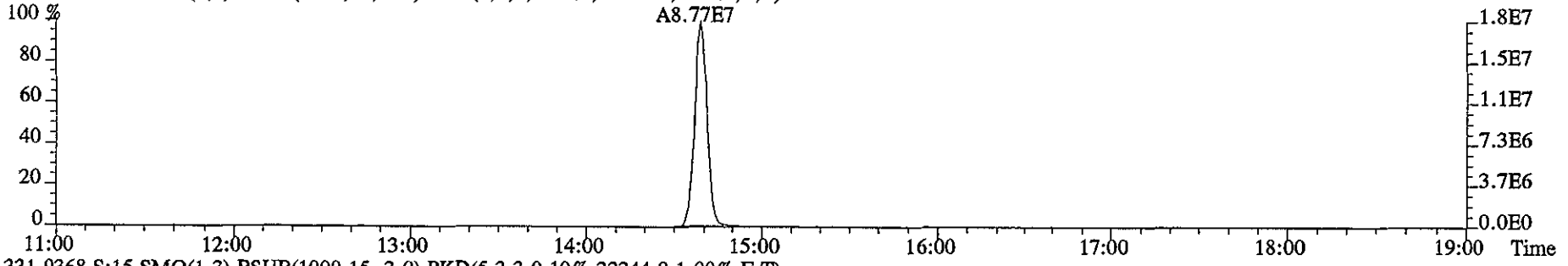
333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21904.0,1.00%,F,T)



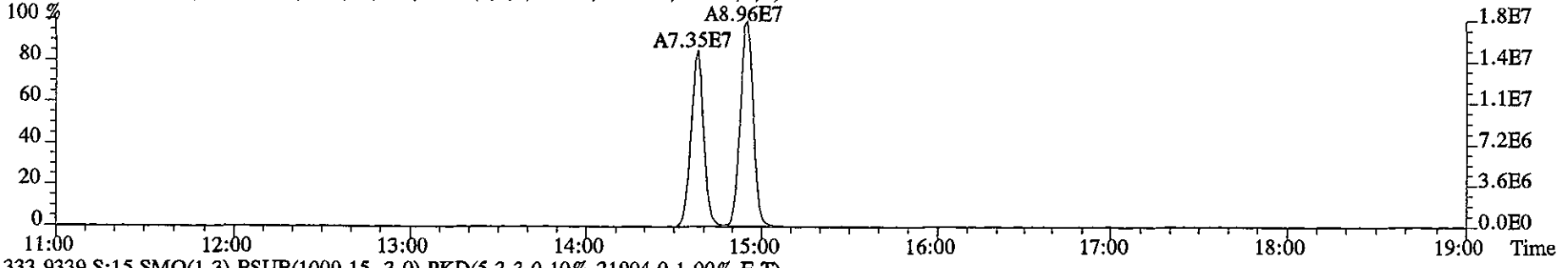
File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 03:16:54 GC EI+ Voltage SIR 70SE
Sample#15 Text:L6K6W-1-AA :G0I040476-2 Exp:DB225RES
327.8840 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17424.0,1.00%,F,T)



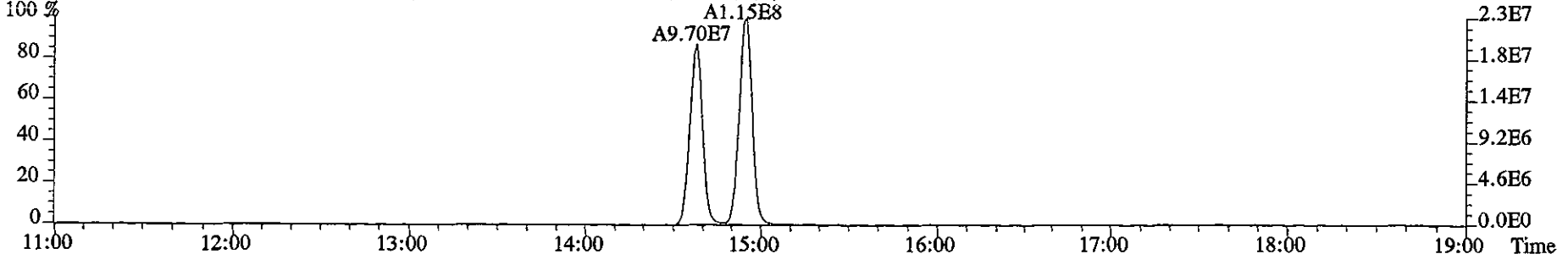
327.8840 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17424.0,1.00%,F,T)



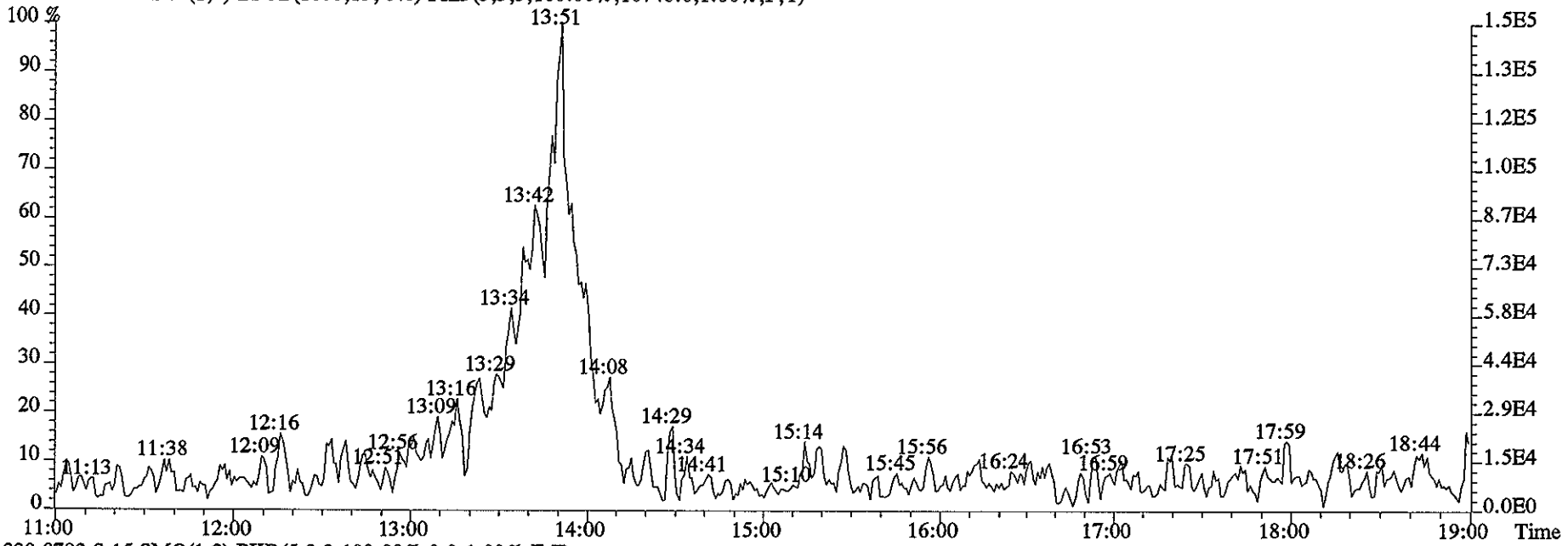
331.9368 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32344.0,1.00%,F,T)



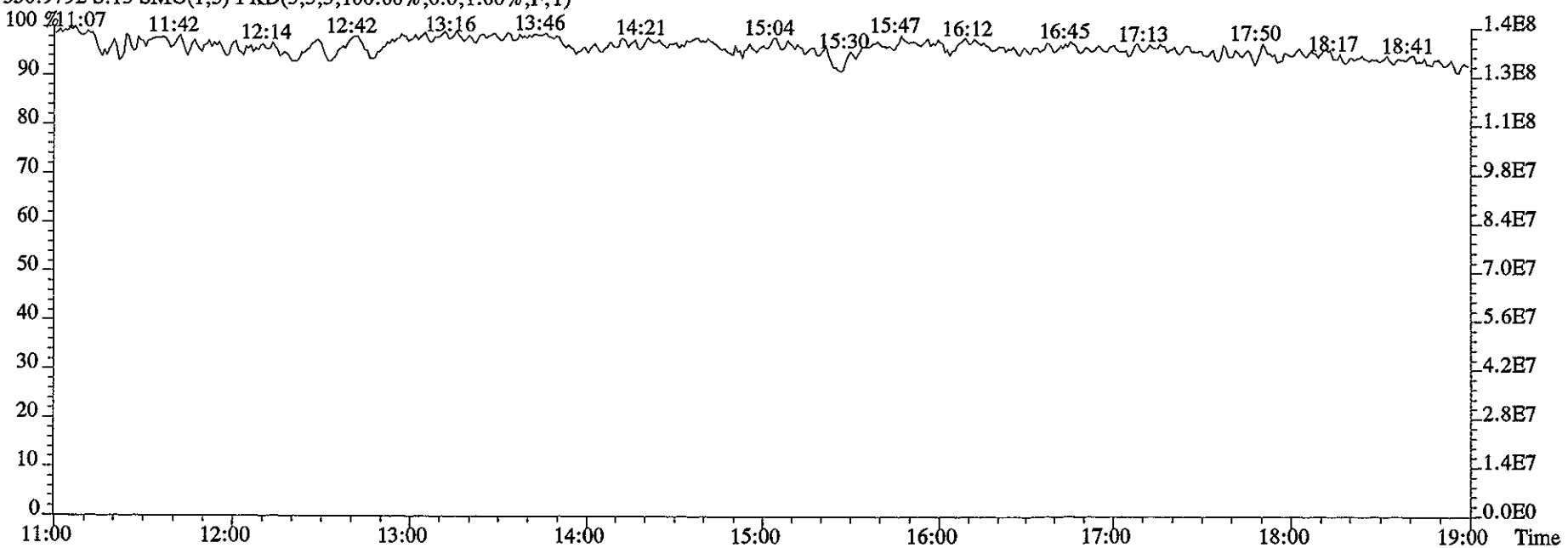
333.9339 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21904.0,1.00%,F,T)



File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 03:16:54 GC EI+ Voltage SIR 70SE
Sample#15 Text:L6K6W-1-AA :G0I040476-2 Exp:DB225RES
375.8364 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,10748.0,1.00%,F,T)



330.9792 S:15 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3
Run #10 Filename: 13SE10A4D5 S: 25 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 05:02:30 Processed: 14-SEP-10 10:03:23
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 sam

AK 9/15/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	139631400	0.79	y	19:54	-	83.614	-	-	n
13C-2,3,7,8-TCDF	170102600	0.80	y	19:18	1.23	3963.828	3.113	99.1	n
2,3,7,8-TCDF	109279	0.59	n	19:20	0.99	2.584 JQ	1.138	-	n
Total TCDF	477232	0.71	y	16:35	0.99	~~11.284~~ 7.68	1.138	-	n
13C-2,3,7,8-TCDD	116821700	0.80	y	20:07	0.91	3697.645	5.010	92.4	n
2,3,7,8-TCDD	14714	0.19	n	20:09	0.98	~~0.512~~	1.429	-	n
Total TCDD	106498	0.82	y	15:08	0.98	~~3.208~~	1.429	-	n
37Cl-2,3,7,8-TCDD	63593200	1.00	y	20:08	1.33	1642.029	1.151	102.6	n
13C-1,2,3,7,8-PeCDF	113195900	1.54	y	25:08	0.88	3701.509	5.589	92.5	n
1,2,3,7,8-PeCDF	*	*	n	NotFnd	1.08	*	2.229	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.05	*	2.295	-	n
Total F2 PeCDF	84566	3.17	n	23:33	1.06	~~2.816~~	~~2.262~~ 2.295	-	n
Total F1 PeCDF	92472	0.32	n	16:58	1.06	~~3.079~~	~~1.753~~	-	n
13C-1,2,3,7,8-PeCDD	78457500	1.60	y	27:32	0.66	3401.144	2.977	85.0	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*	3.130	-	n
Total PeCDD	191278	0.91	n	24:59	0.93	~~10.537~~ 4.50	3.130	-	n
13C-1,2,3,7,8,9-HxCDD	75921500	1.30	y	33:20	-	64.123	-	-	n
13C-1,2,3,4,7,8-HxCDF	73967800	0.50	y	32:13	1.04	3730.013	1.771	93.3	n
1,2,3,4,7,8-HxCDF	67250	1.19	y	32:13	1.22	2.988 J	0.750	-	n
1,2,3,6,7,8-HxCDF	49751	0.94	n	32:21	1.28	2.099 JQ	0.713	-	n
2,3,4,6,7,8-HxCDF	34338	1.17	y	32:53	1.23	1.505 J	0.741	-	n
1,2,3,7,8,9-HxCDF	19910	1.57	n	33:34	1.10	0.980 LS/N DL	0.832	-	n
Total HxCDF	332535	0.92	n	31:01	1.21	~~14.795~~ 11.90	0.756	-	n
13C-1,2,3,6,7,8-HxCDD	64685000	1.29	y	33:04	0.83	4102.107	3.308	102.6	n
1,2,3,4,7,8-HxCDD	11510	2.22	n	33:04	1.04	~~0.686~~	1.547	-	n
1,2,3,6,7,8-HxCDD	11510	2.22	n	33:04	1.16	0.612	1.380	-	n
1,2,3,7,8,9-HxCDD	25520	1.05	n	33:19	1.18	~~1.635~~	1.358	-	n
Total HxCDD	62962	1.17	y	32:31	1.13	~~3.370~~ 1.42	1.424	-	n
13C-1,2,3,4,6,7,8-HpCDF	65479100	0.43	y	34:52	0.91	3790.930	20.699	94.8	n
1,2,3,4,6,7,8-HpCDF	218857	2.09	n	34:49	1.35	9.934 JQ	1.382	-	n
1,2,3,4,7,8,9-HpCDF	47435	1.26	n	36:04	1.09	2.650 ✓	1.701	-	n
Total HpCDF	385852	2.09	n	34:49	1.22	~~18.573~~ 18.33	1.525	-	n
13C-1,2,3,4,6,7,8-HpCDD	63174000	1.06	y	35:41	0.83	4026.569	7.635	100.7	n
1,2,3,4,6,7,8-HpCDD	94216	1.03	y	35:41	1.07	5.566 J	2.504	-	n
Total HpCDD	189188	1.21	n	35:07	1.07	✓ 11.177	2.504	-	n
13C-OCDD	85876100	0.88	y	38:16	0.62	7298.727	3.020	91.2	n
OCDF	288032	1.00	y	38:24	1.37	19.581 J	2.729	-	n
OCDD	358456	0.85	y	38:17	1.20	27.843 J	1.983	-	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:12
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	5.64 of which	1.29 named and	4.35	unnamed
Conc:	11.28 of which	2.58 named and	8.70	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:35	0.71	y	0.53	9256	1.8	n	n
						13029	2.3	n	n
	2	17:07	0.98	n	0.45	10609	1.8	n	n
						10823	1.8	n	n
	3	17:25	0.82	y	✓1.66	31441	4.8	y	n
						38560	3.9	y	n
	4	17:40	0.48	n	0.61	11193	1.6	n	n
						23239	3.1	y	n
	5	17:57	3.27	n	0.25	19433	2.9	n	n
						5938	1.5	n	n
	6	18:18	0.68	y	0.97	16604	2.5	n	n
						24340	3.5	y	n
	7	18:32	1.38	n	✓ 0.99	32726	4.2	y	n
						23669	3.0	n	n
	8	18:41	0.87	y	✓1.22	23950	4.0	y	n
						27483	3.4	y	n
	9	18:55	1.16	n	✓1.23	34085	4.3	y	n
						29433	3.8	y	n
2,3,7,8-TCDF	10	19:20	0.59	n	✓2.58	47539	5.7	y	n
						80467	7.9	y	n
	11	21:03	0.63	n	0.36	6665	1.5	n	n
						10556	1.5	n	n
	12	22:55	0.40	n	0.44	8084	1.2	n	n
						19981	2.2	n	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:6
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1.85 of which	0.26 named and	1.60	unnamed	
Conc:	3.71 of which	0.51 named and	3.20	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:08	0.82	y	0.85	10956	2.0	n	n
						13317	2.9	n	n
	2	15:34	0.93	n	0.46	6865	1.9	n	n
						7386	1.9	n	n
	3	17:35	0.62	n	0.62	7743	1.8	n	n
						12451	2.6	n	n
	4	19:18	2.28	n	0.82	30225	4.3	y	n
						13264	1.5	n	n
2,3,7,8-TCDD	5	20:09	0.19	n	0.51	6401	1.7	n	n
						33855	4.3	y	n
	6	22:36	1.18	n	0.46	8791	2.1	n	n
						7436	1.9	n	n

S/N

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Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:2
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1.41 of which	* named and	1.41	unnamed	
Conc:	2.82 of which	* named and	2.82	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:33	3.17	n	1.92	71959	9.1	y	n
						22665	2.0	n	n
	2	27:00	0.54	n	0.89	16273	3.5	y	n
						30219	3.9	y	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

Amount:	1.54	of which	* named and	1.54	unnamed
Conc:	3.08	of which	* named and	3.08	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:58	0.32	n	0.85	15491	41.7	y	n
						47768	4.7	y	n
	2	18:28	0.09	n	0.05	1002	3.7	y	n
						11026	1.2	n	n
	3	18:34	0.19	n	0.11	2083	6.8	y	n
						11026	1.2	n	n
	4	21:03	0.22	n	0.88	16027	29.4	y	n
						71504	6.0	y	n
	5	21:47	1.90	n	1.18	26549	44.3	y	n
						13938	1.8	n	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:6
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

Amount:	5.27	of which	* named and	5.27	unnamed
Conc:	10.54	of which	* named and	10.54	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	24:59	0.91	n	1.66	18305	2.6	n	n
						20154	7.7	y	n
	2	25:37	0.98	n	1.86	20504	2.1	n	n
						20928	5.6	y	n
	3	25:45	0.79	n	0.67	7397	1.3	n	n
						9394	2.6	n	n
	4	26:24	1.60	y	1.20	13417	1.4	n	n
						8400	2.9	n	n
	5	26:35	1.24	n	0.65	7169	1.3	n	n
						5770	2.3	n	n
	6	26:59	3.91	n	4.50	125144	10.2	y	n

						32020	9.4	y	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:10
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	7.40 of which	3.79 named and	3.61	unnamed
Conc:	14.80 of which	7.57 named and	7.22	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:01	0.92	n	1.38	17104	2.8	n	n
						18656	13.8	y	n
	2	31:11	1.33	y	3.92	50012	12.2	y	n
						37471	24.1	y	n
	3	31:36	1.25	y	0.81	10024	2.3	n	n
						8018	3.7	y	n
	4	31:46	0.47	n	0.47	5805	1.5	n	n
						12294	9.6	y	n
1,2,3,4,7,8-HxCDF	5	32:13	1.19	y	2.99	36533	6.3	y	n
						30717	26.1	y	n
1,2,3,6,7,8-HxCDF	6	32:21	0.94	n	2.10	27541	6.9	y	n
						29371	19.4	y	n
	7	32:39	2.48	n	0.37	9224	2.1	n	n
						3720	4.7	y	n
2,3,4,6,7,8-HxCDF	8	32:53	1.17	y	1.51	18516	3.7	y	n
						15822	13.3	y	n
1,2,3,7,8,9-HxCDF	9	33:34	1.57	n	0.98	13935	1.9	n	n
						8888	6.6	y	n
	10	33:50	0.82	n	0.27	3346	1.1	n	n
						4075	3.7	y	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:3
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1.69 of which	0.97 named and	0.71 unnamed
Conc:	3.37 of which	1.95 named and	1.42 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:31	1.17	y	1.42	13995	2.5	n	n
						11937	3.5	y	n
1,2,3,6,7,8-HxCDD	2	33:04	2.22	n	0.61	11389	2.2	n	n
						5138	1.1	n	n
1,2,3,7,8,9-HxCDD	3	33:19	1.05	n	1.34	14127	2.7	n	n
						13459	2.2	n	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:5
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	9.29 of which	6.29 named and	2.99 unnamed
Conc:	18.57 of which	12.58 named and	5.99 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:49	2.09	n	9.93	224422	26.3	y	n
						107283	24.1	y	n
	2	35:03	1.60	n	1.47	23015	4.1	y	n
						14372	3.5	y	n
	3	35:12	1.17	y	4.28	45962	7.1	y	n
						39430	9.8	y	n
1,2,3,4,7,8,9-HpCDF	4	36:04	1.26	n	2.65	29258	4.0	y	n
						23252	6.4	y	n
	5	36:22	0.62	n	0.24	2472	0.7	n	n
						4013	1.7	n	n

Run Text: L6K6X-1-AA Sample text: L6K6X-1-AA :G0I040476-3

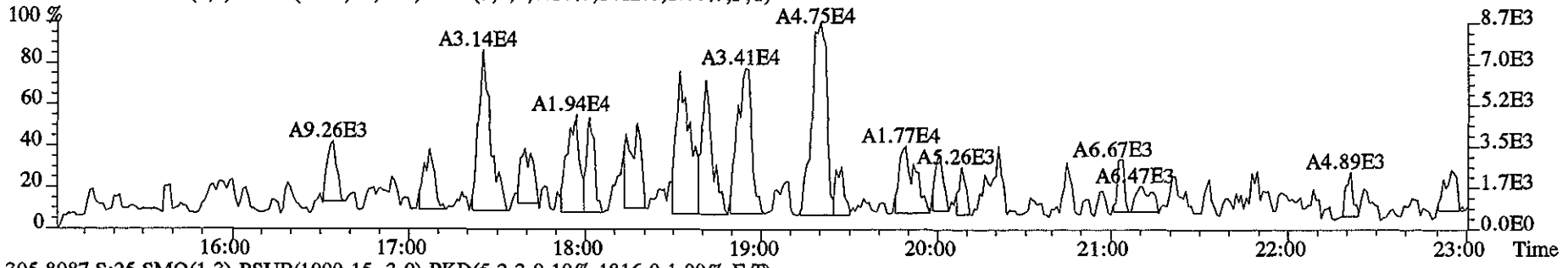
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:2
Run: 10 File: 13SE10A4D5 S:25 Acq:14-SEP-10 05:02:30

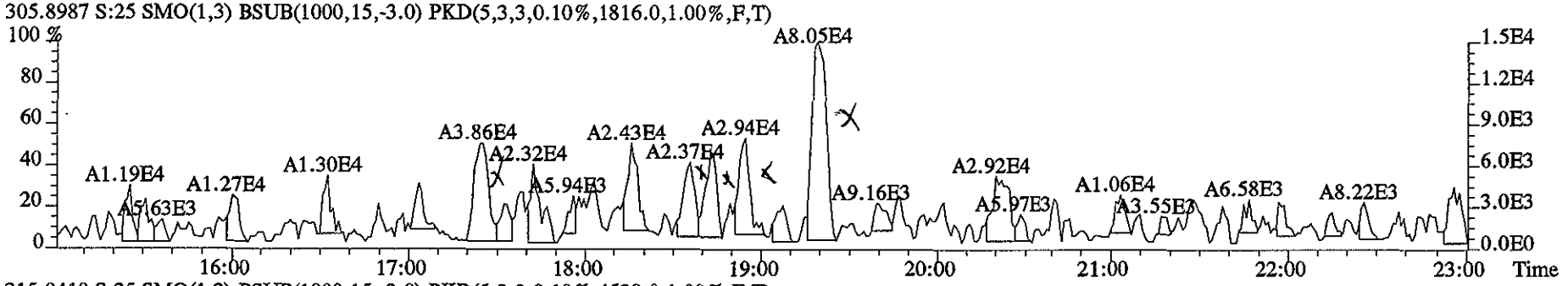
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

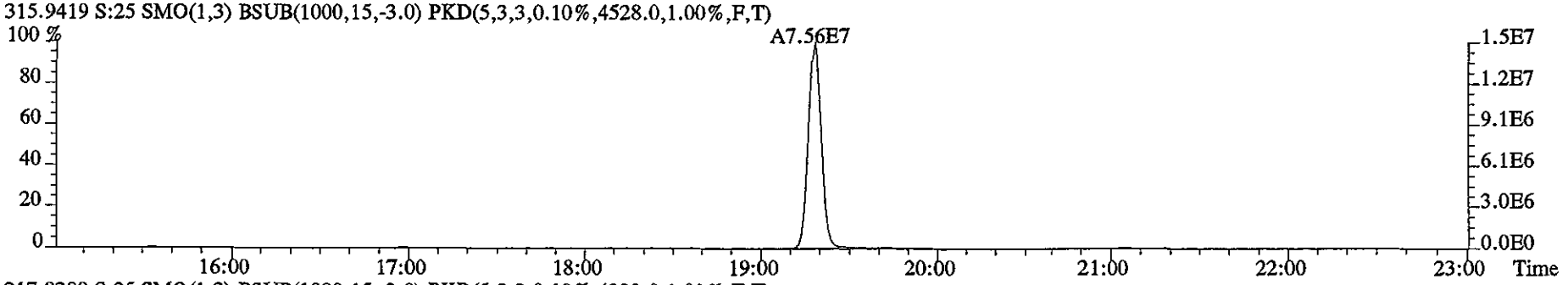
Amount:	5.59 of which	2.78 named and	2.81 unnamed
Conc:	11.18 of which	5.57 named and	5.61 unnamed

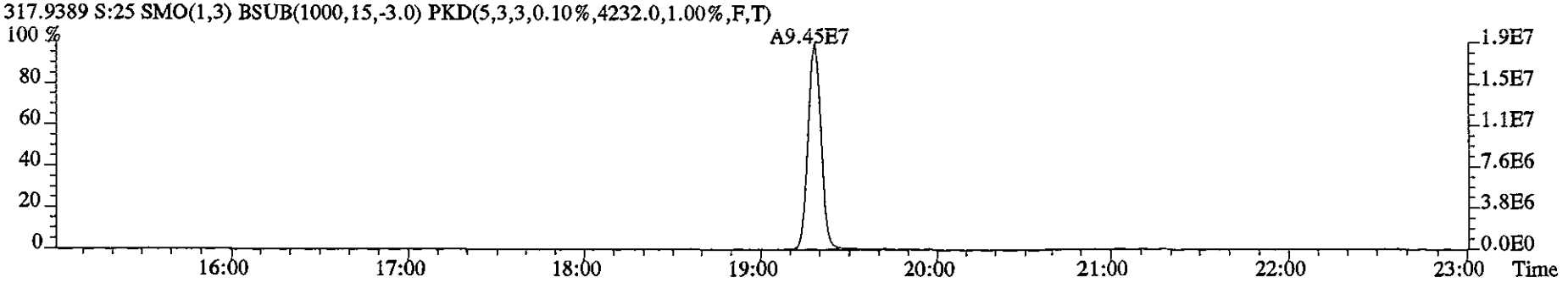
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	35:07	1.21	n	5.61	56318	7.4	y	n
						46555	11.6	y	n
1,2,3,4,6,7,8-HpCDD	2	35:41	1.03	y	5.57	47782	5.3	y	n
						46434	8.8	y	n

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

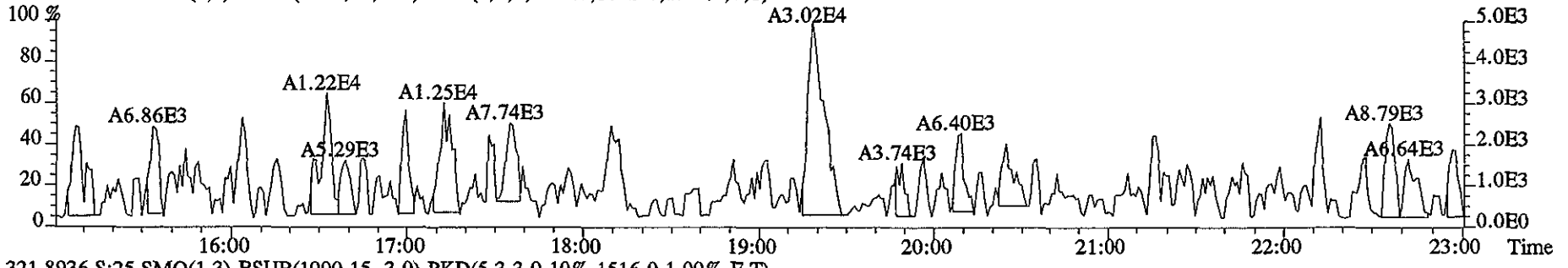


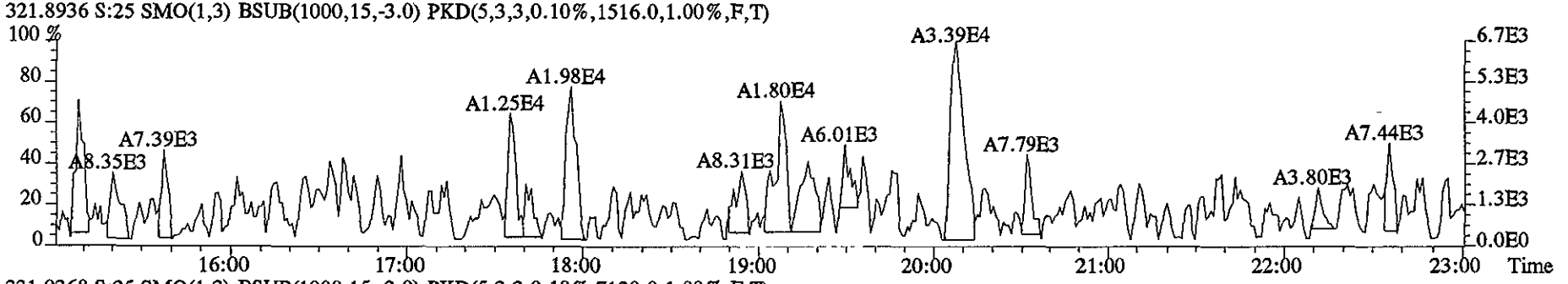


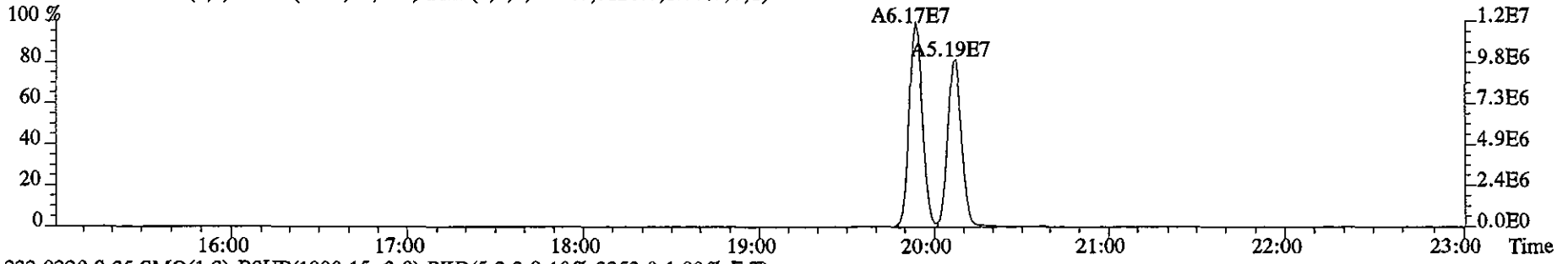


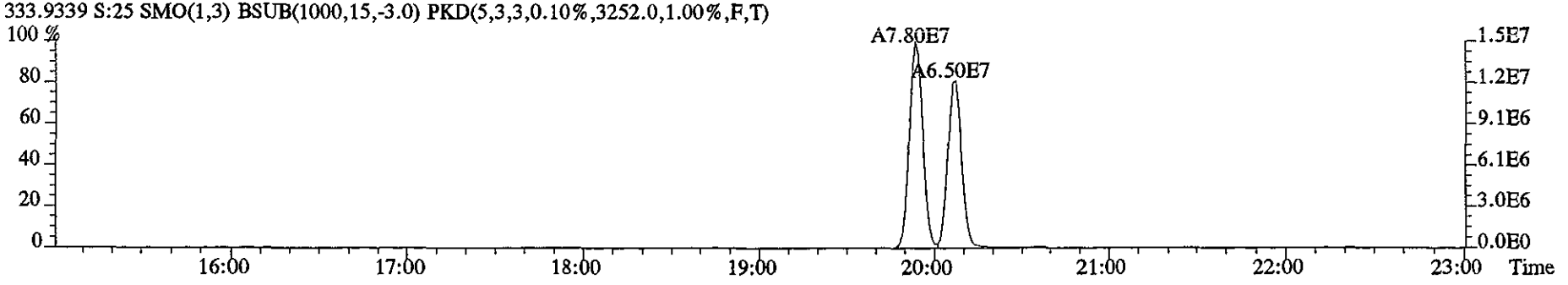


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

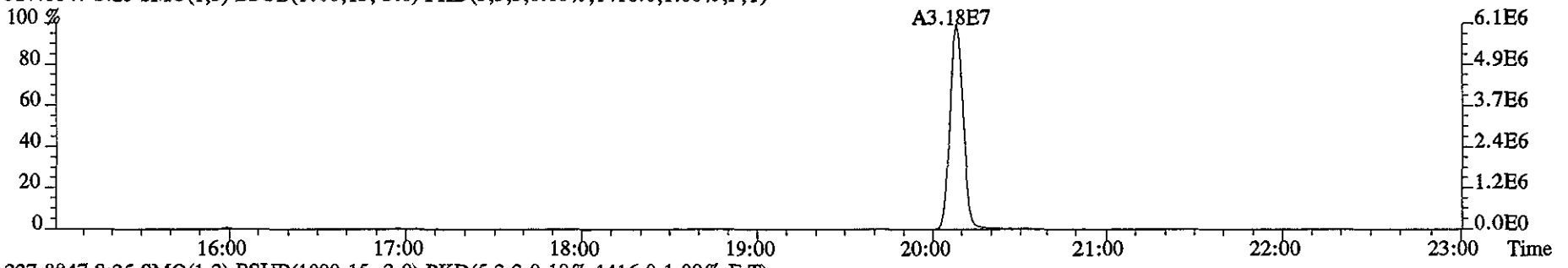


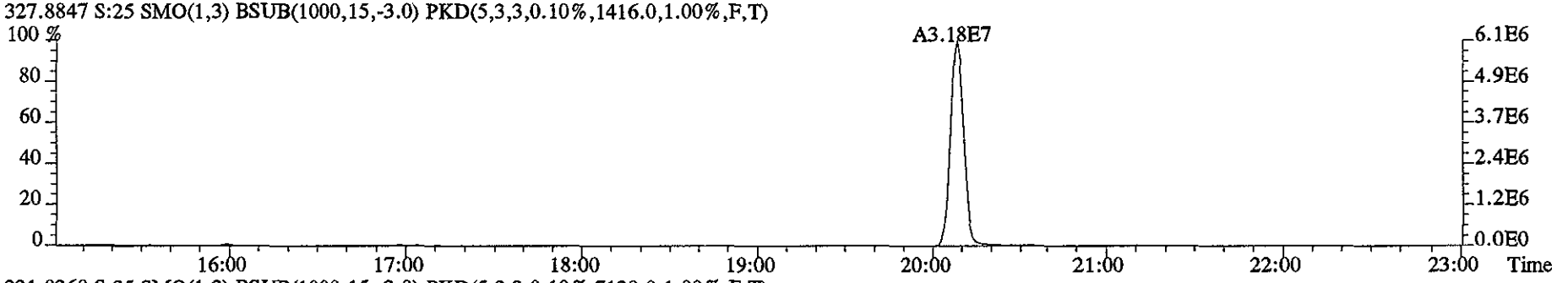


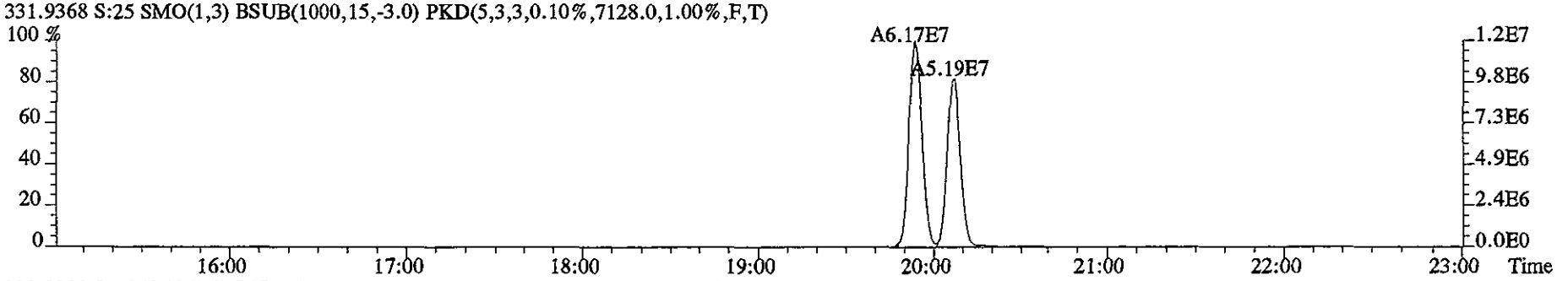


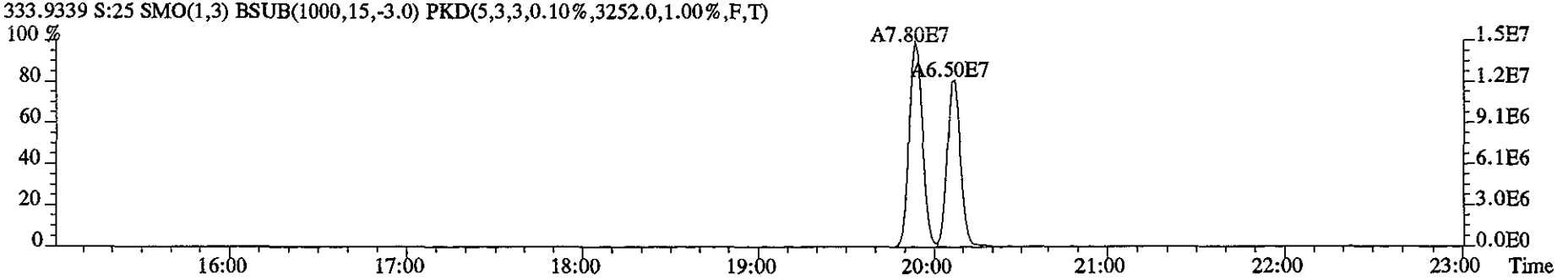


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

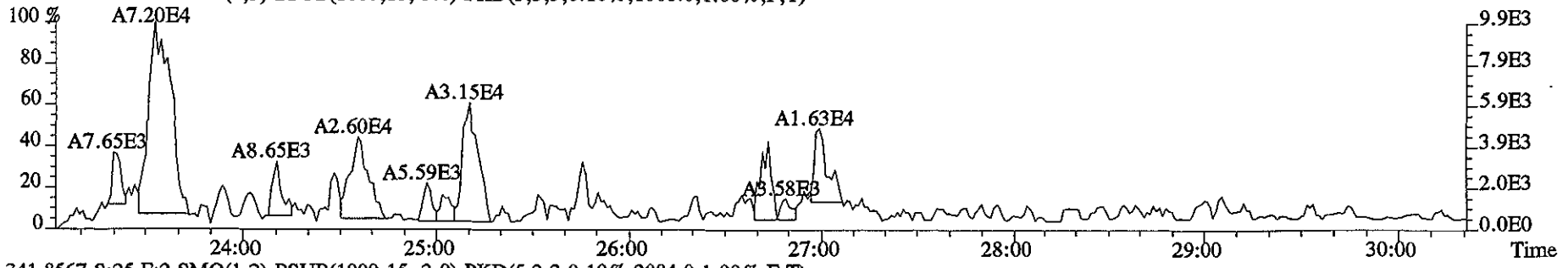




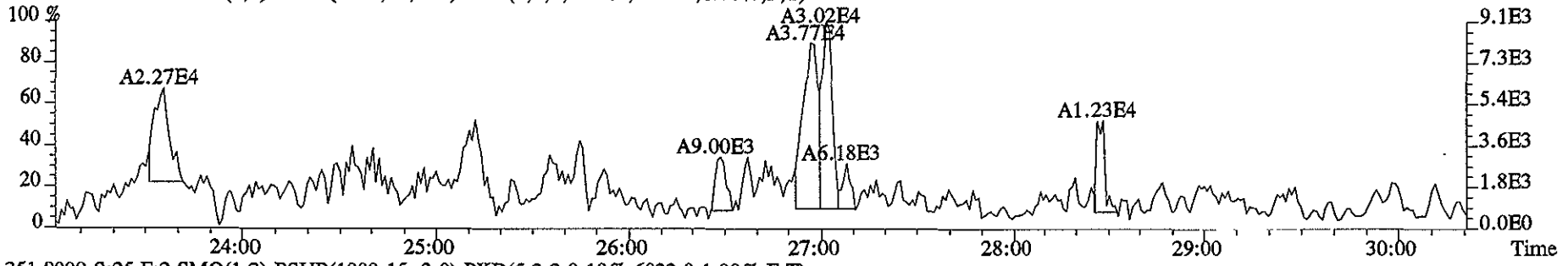




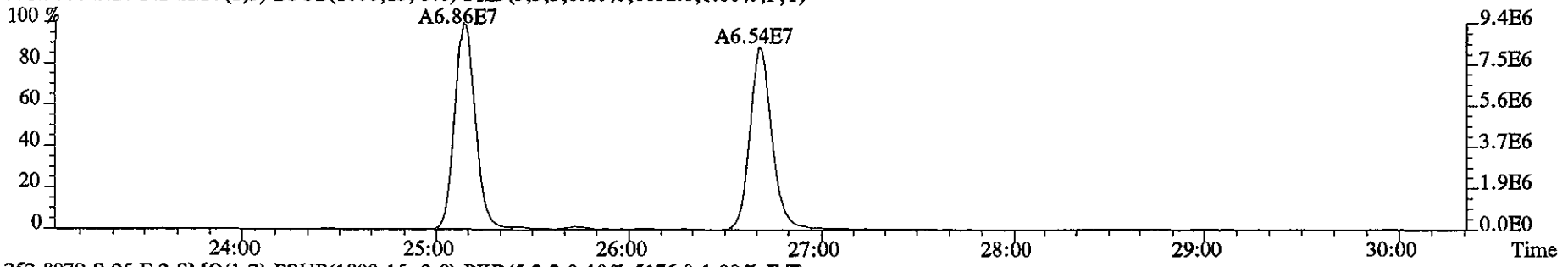
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES
339.8597 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1008.0,1.00%,F,T)



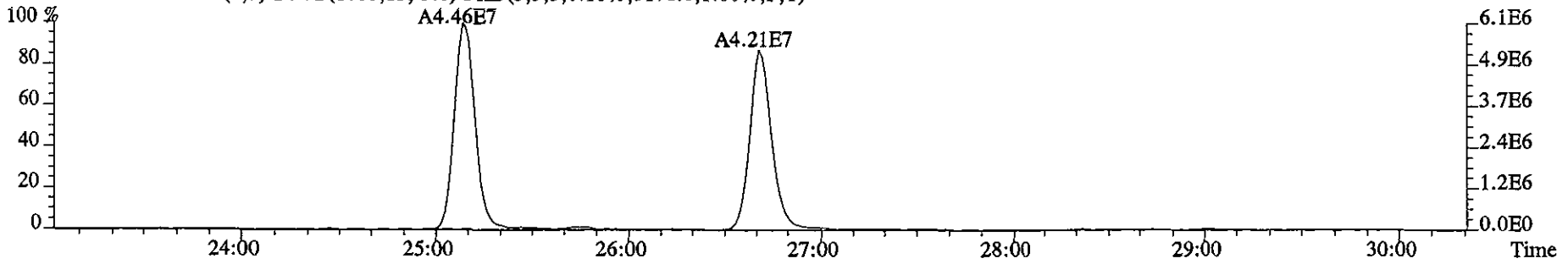
341.8567 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



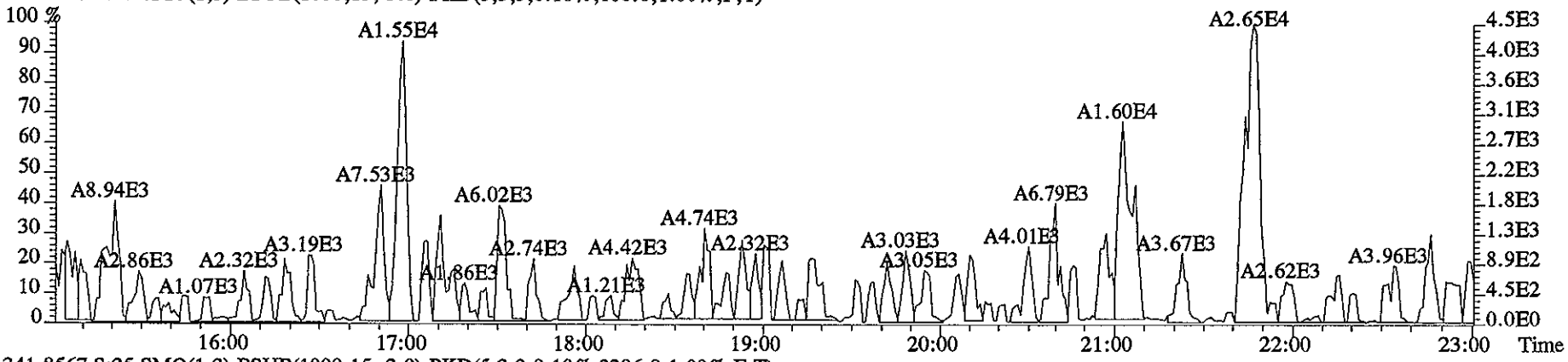
351.9000 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6032.0,1.00%,F,T)



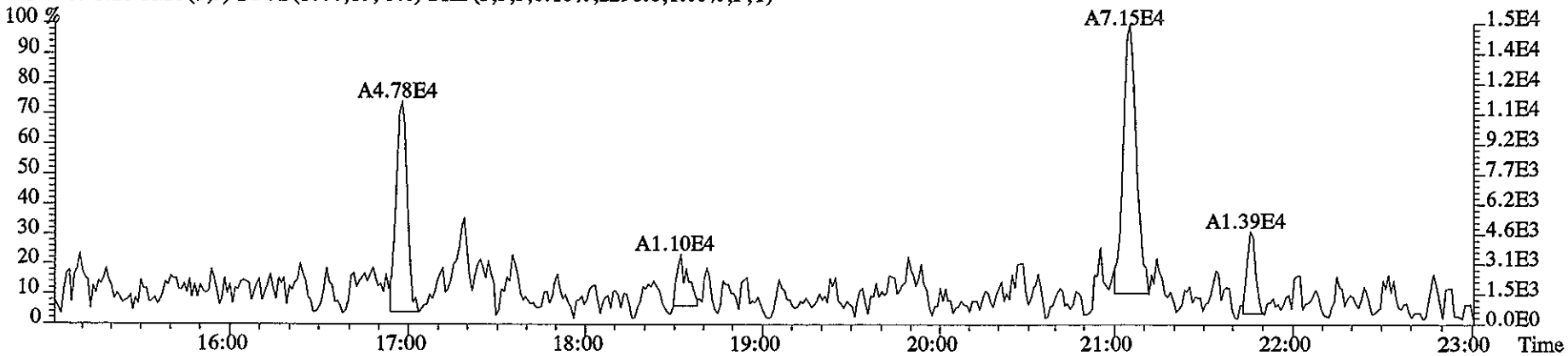
353.8970 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5176.0,1.00%,F,T)



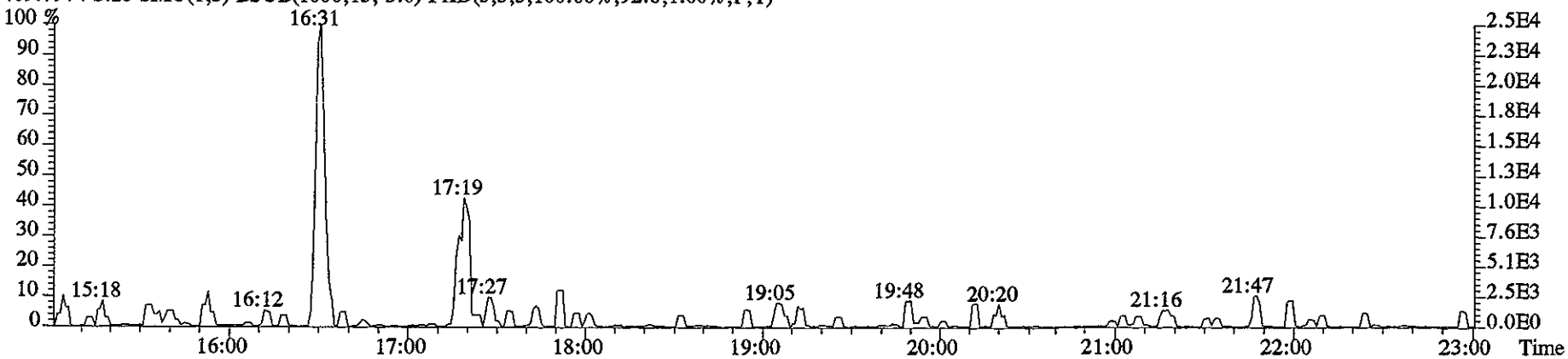
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES
339.8597 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)



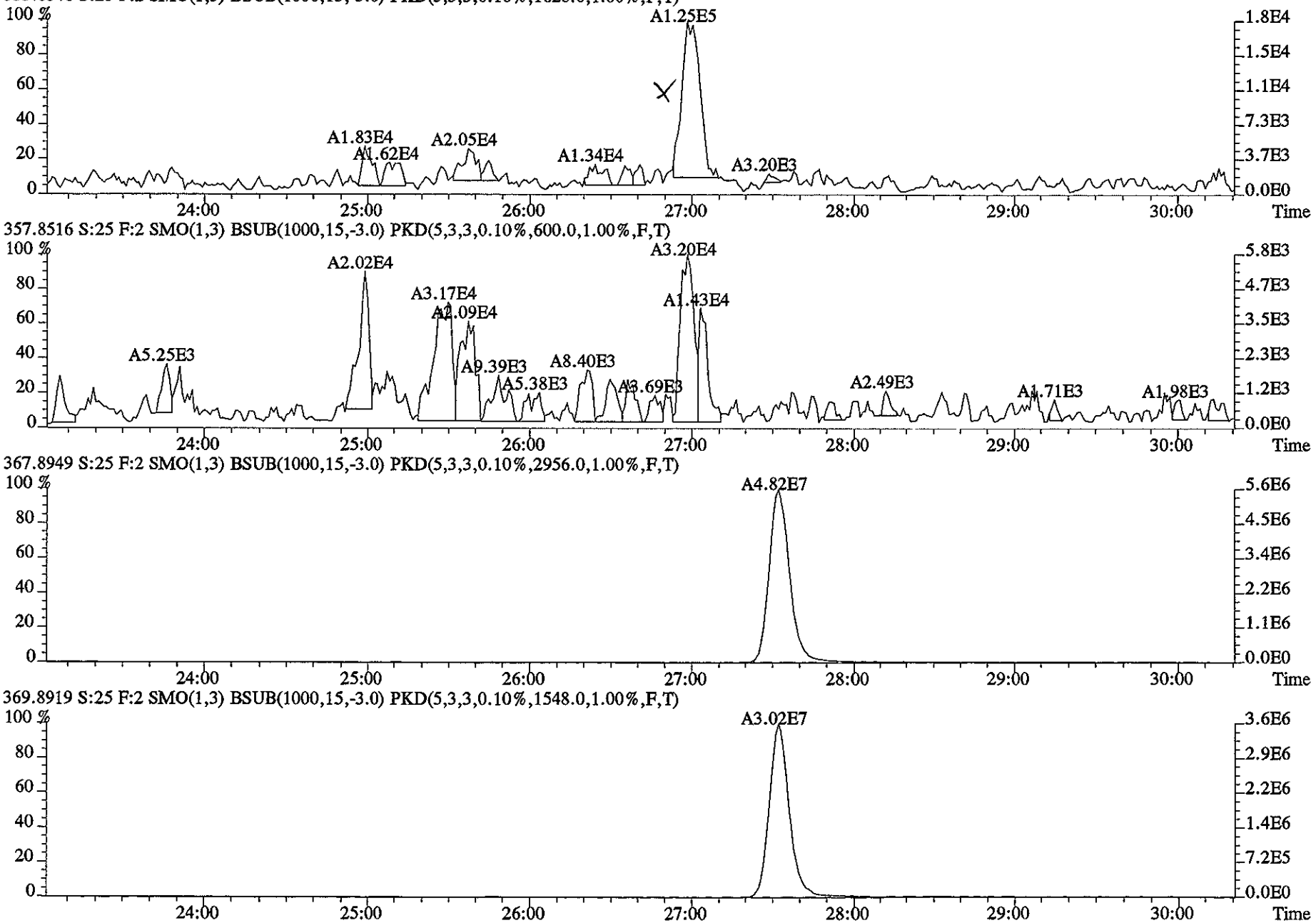
341.8567 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2296.0,1.00%,F,T)



409.7974 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)

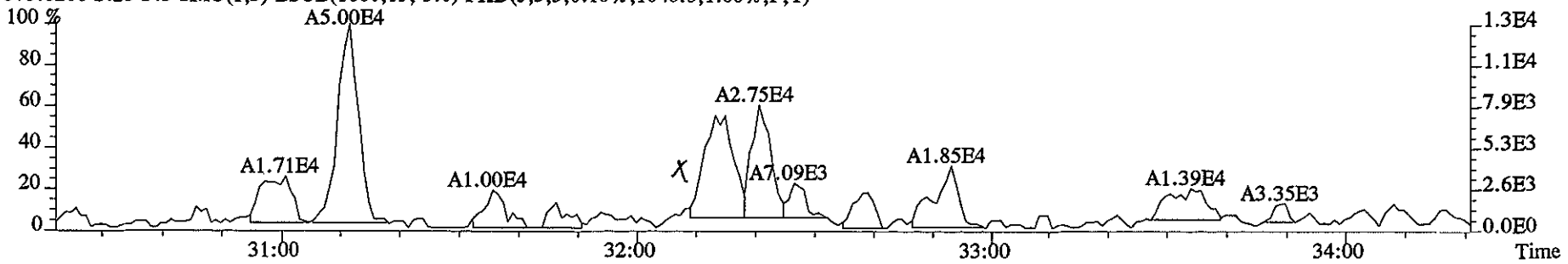


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

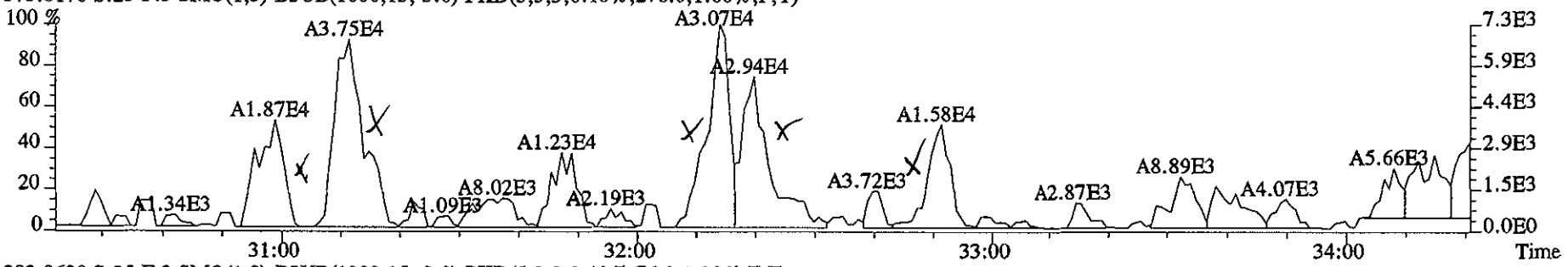


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

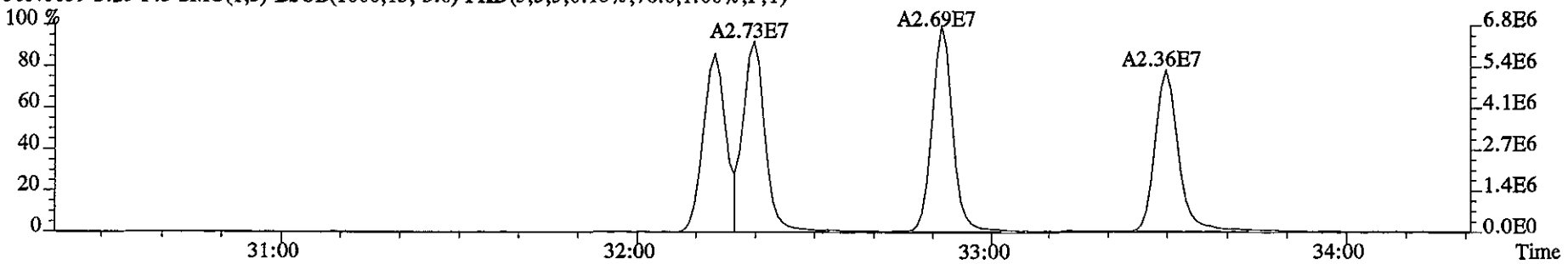
373.8208 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1040.0,1.00%,F,T)



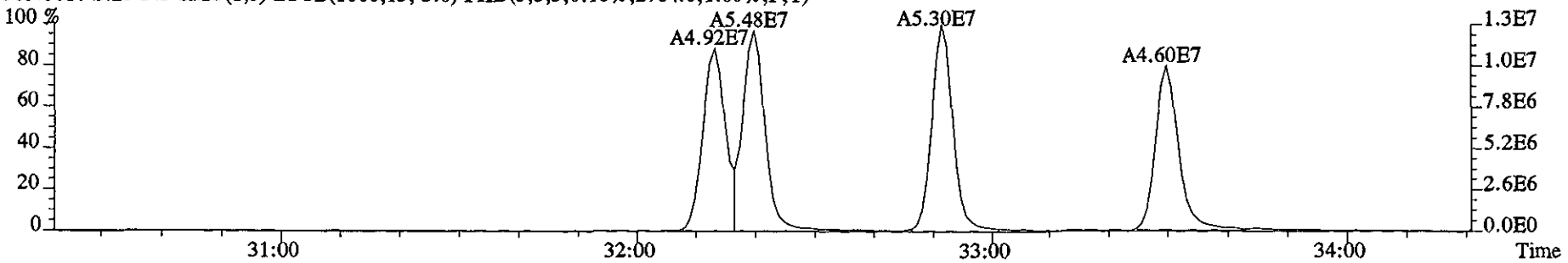
375.8178 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,276.0,1.00%,F,T)



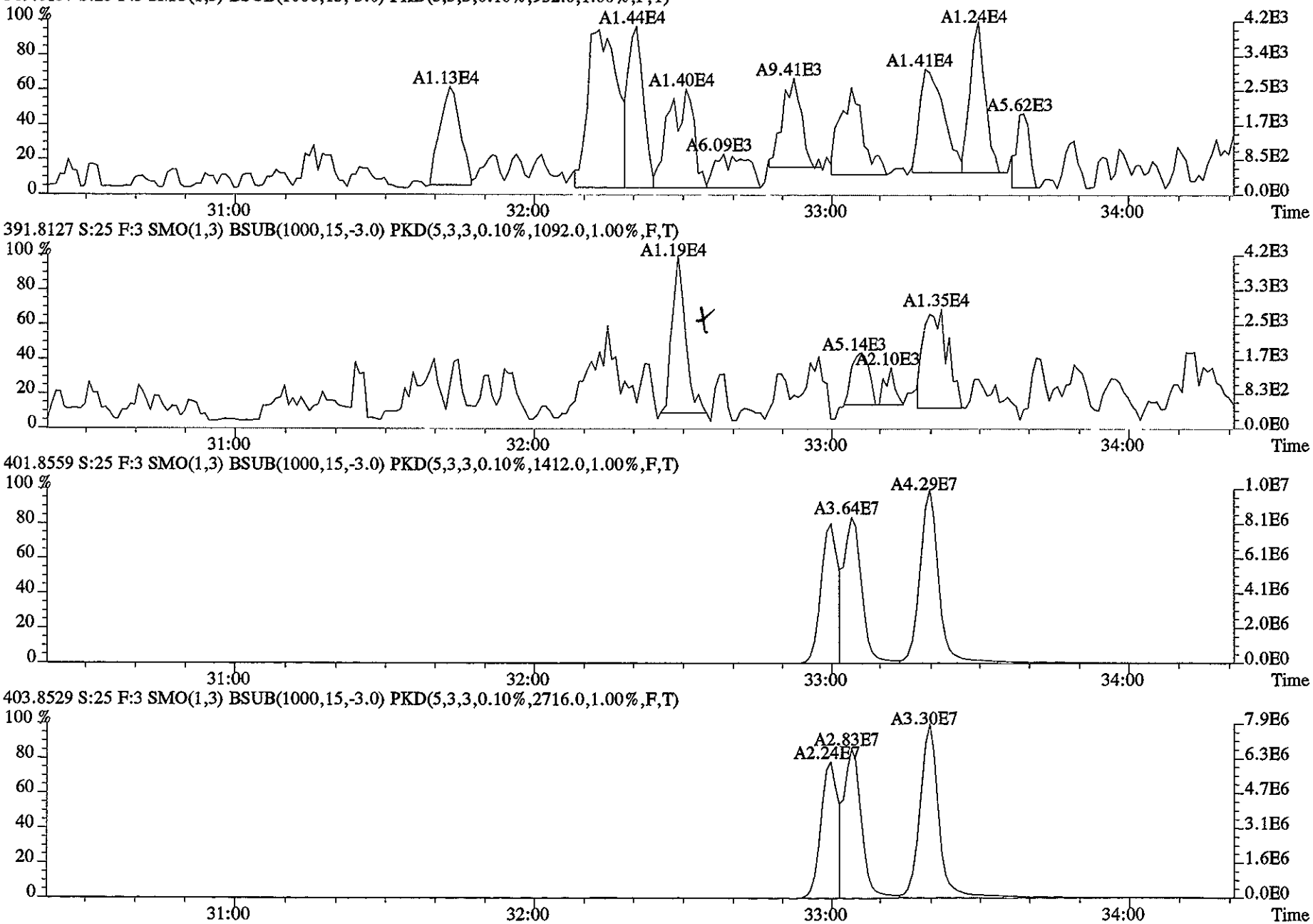
383.8639 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76.0,1.00%,F,T)



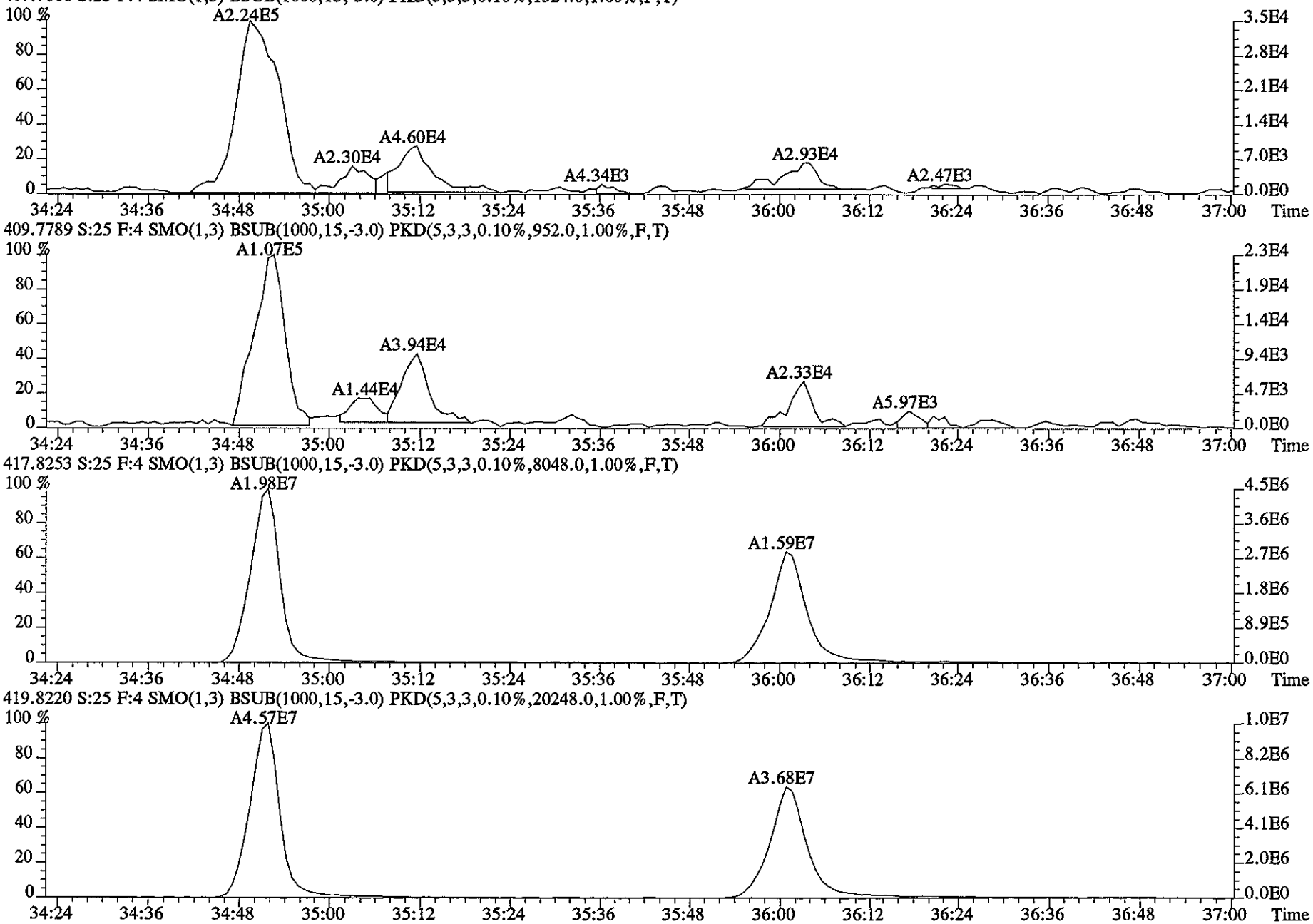
385.8610 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2704.0,1.00%,F,T)



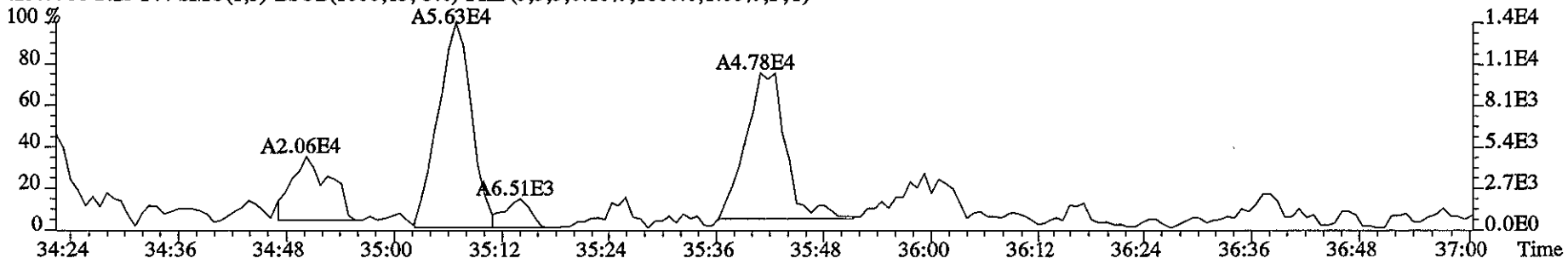
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

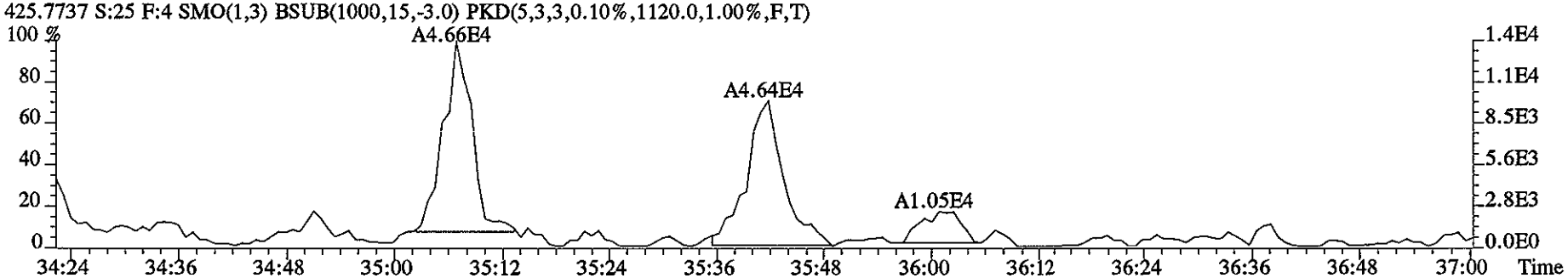


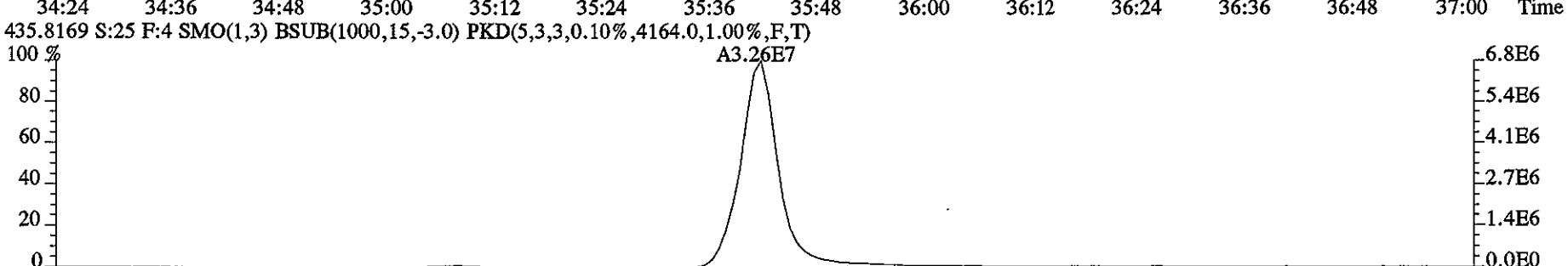
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

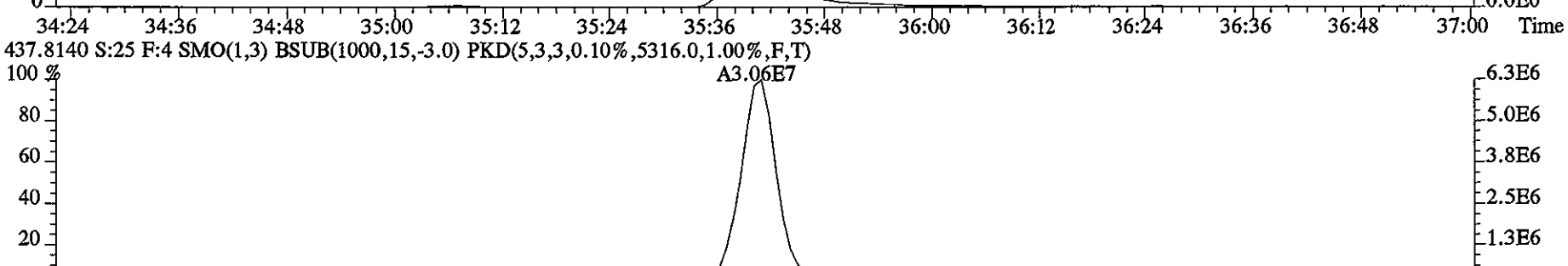


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

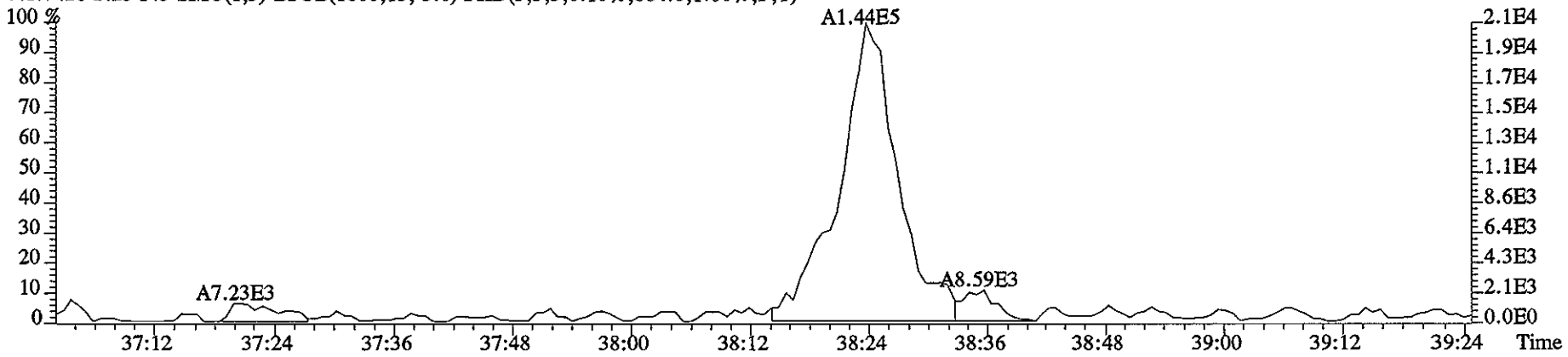




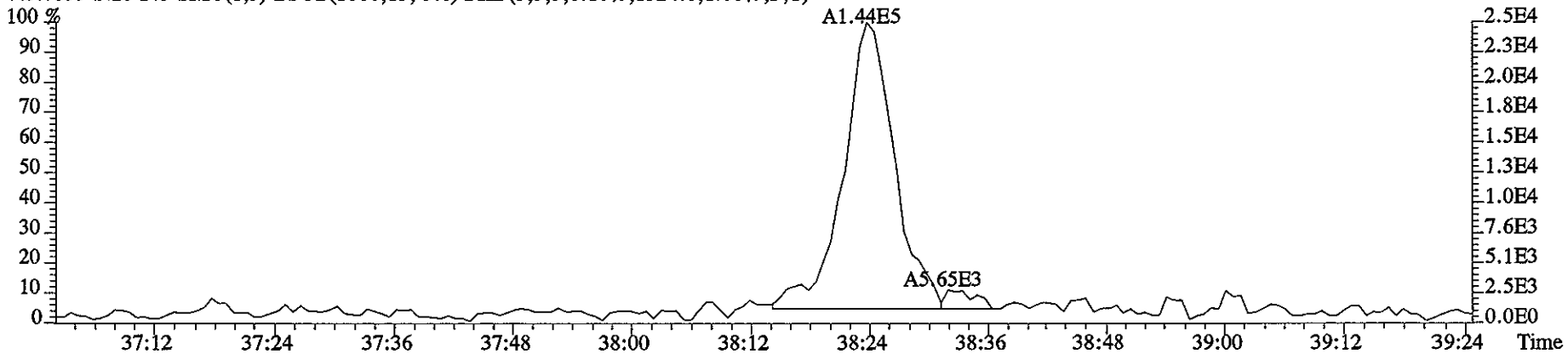




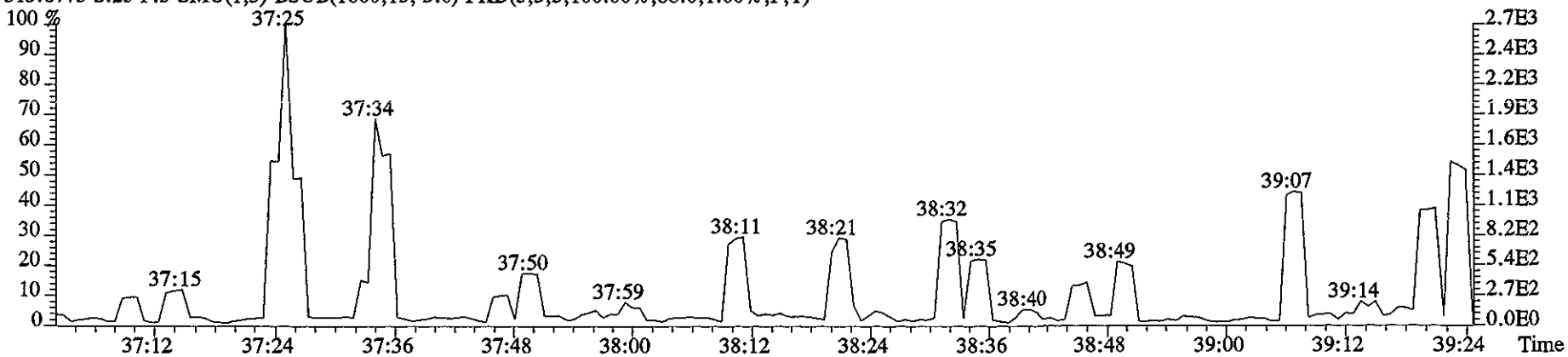
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES
441.7428 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,884.0,1.00%,F,T)



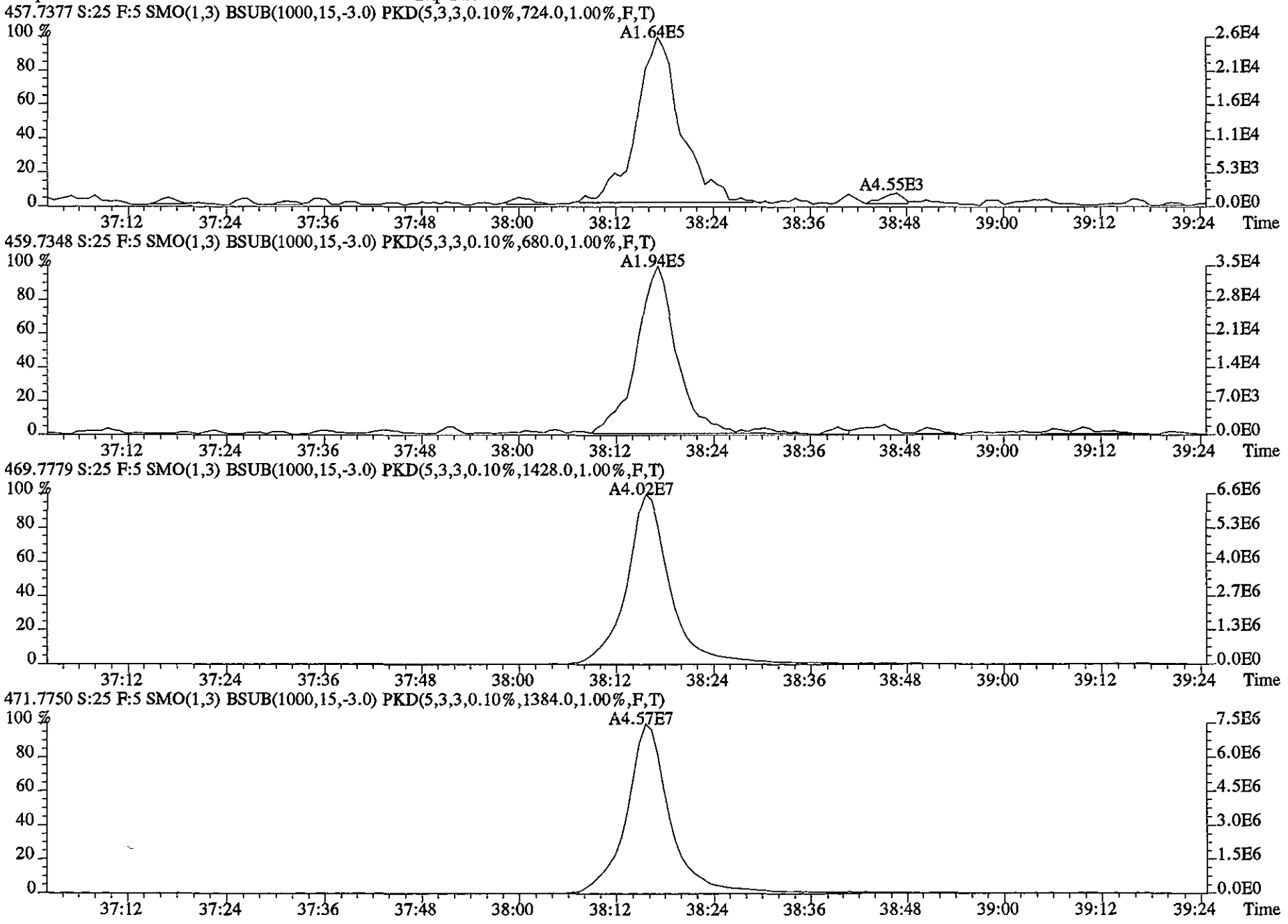
443.7399 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



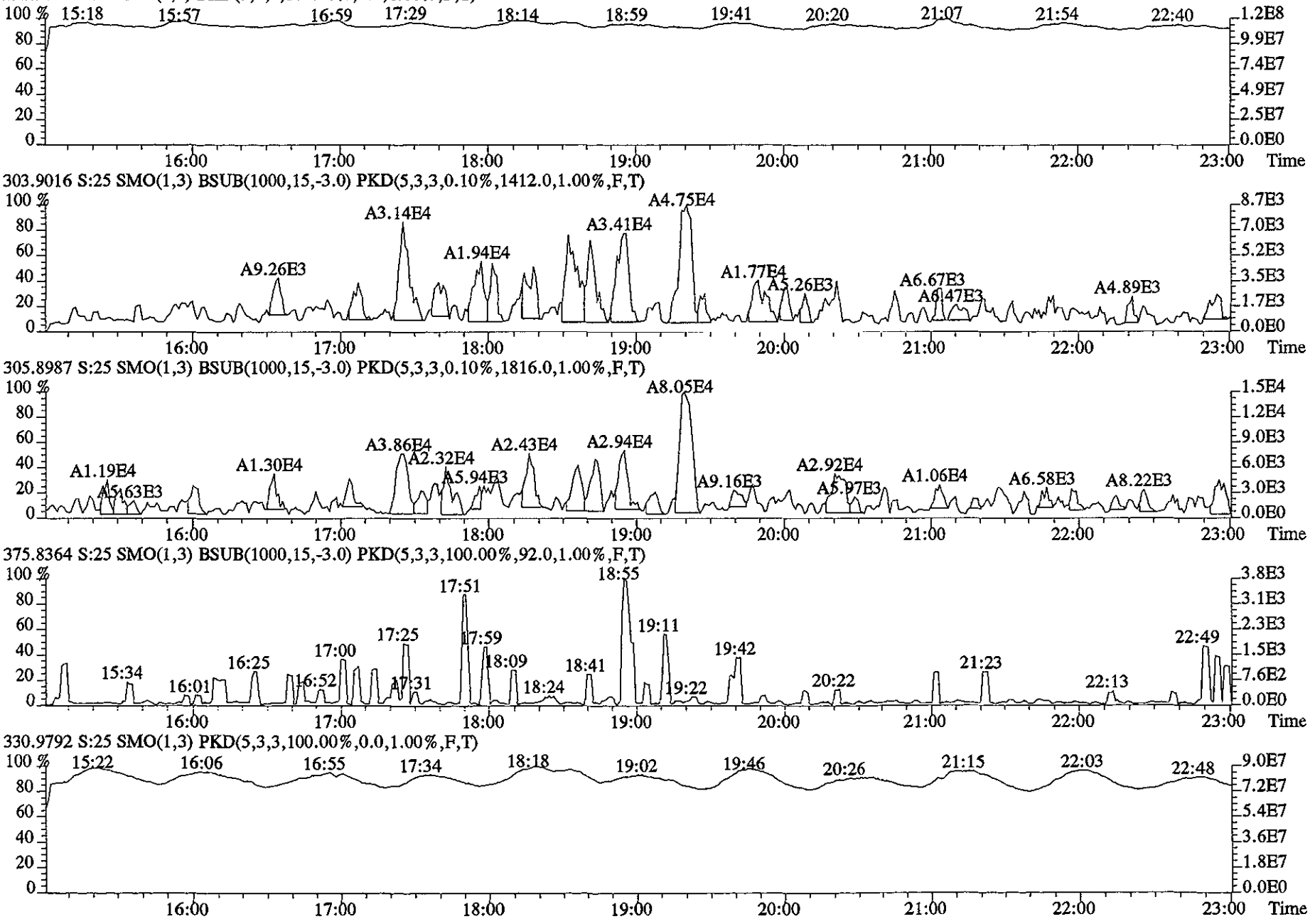
513.6775 S:25 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,88.0,1.00%,F,T)



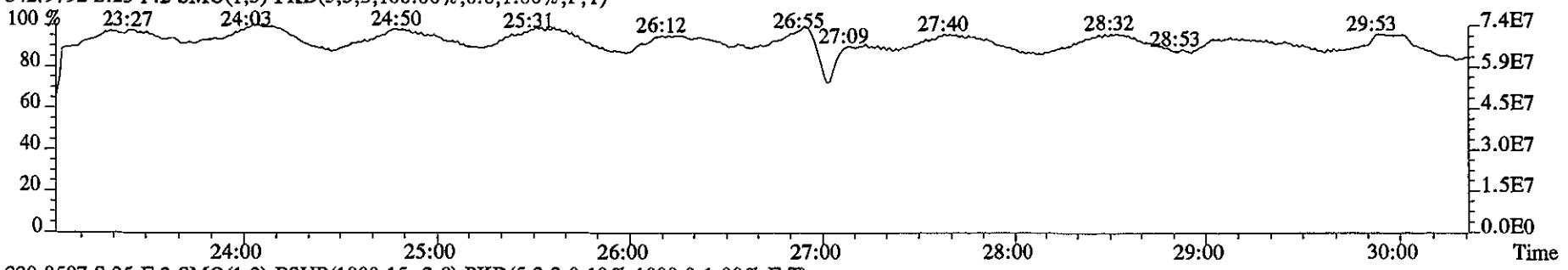
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

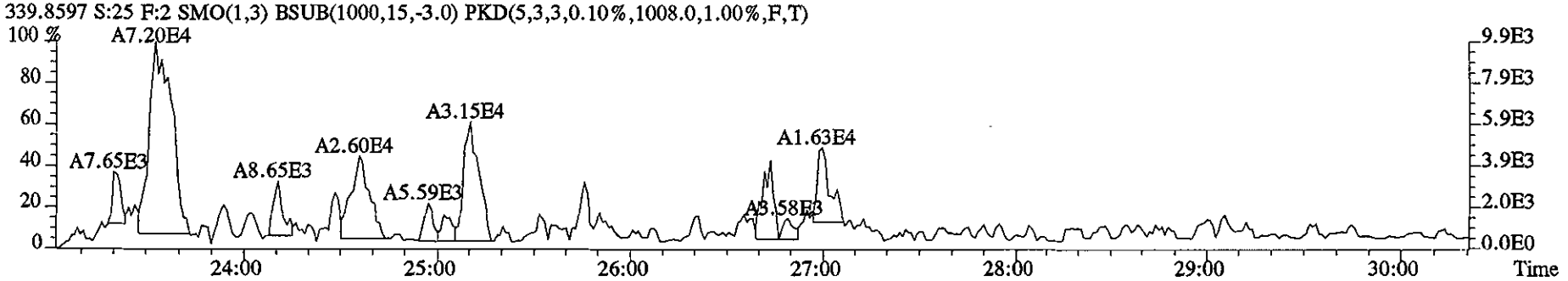


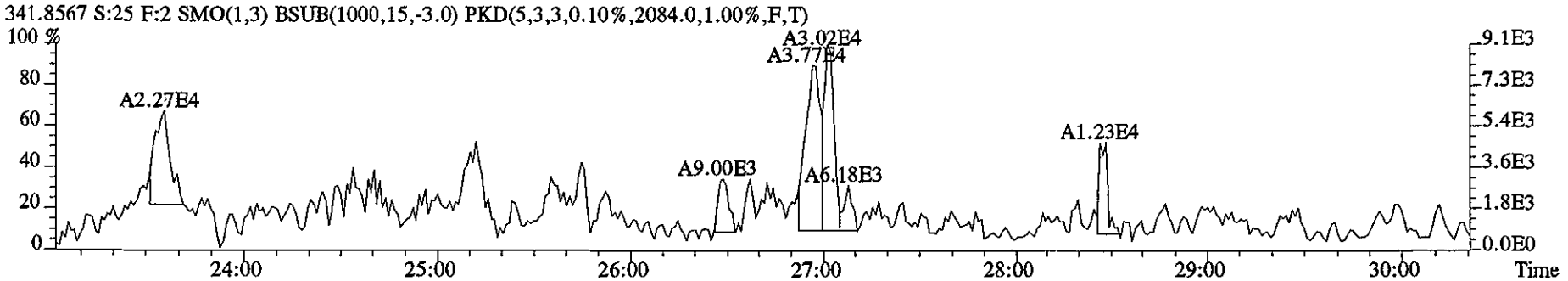
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

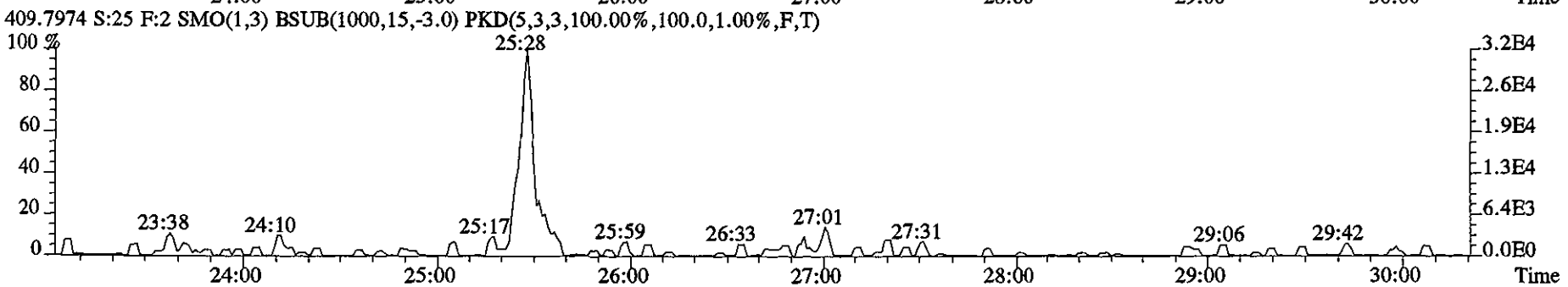


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES



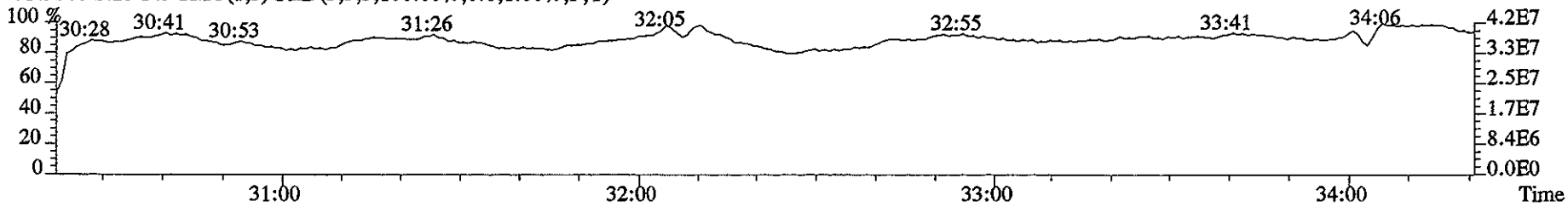




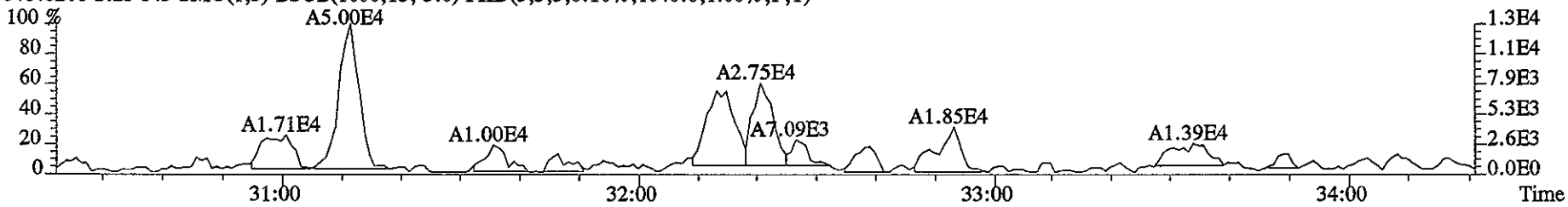


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES

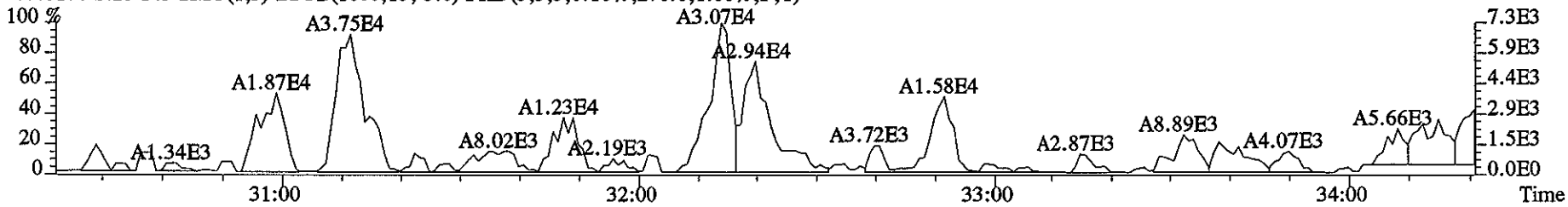
392.9760 S:25 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



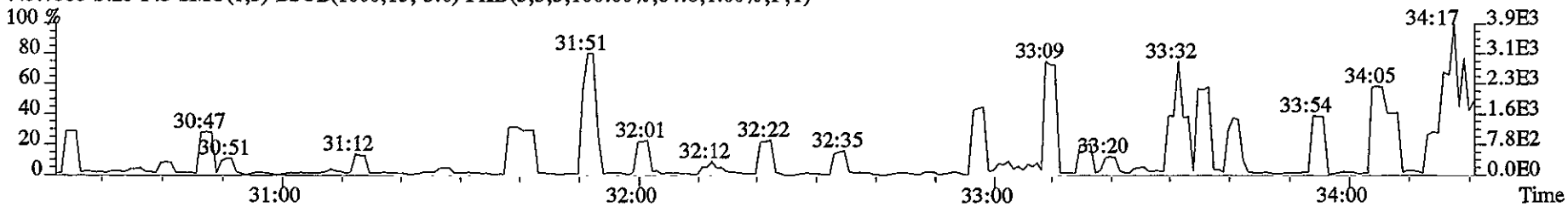
373.8208 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1040.0,1.00%,F,T)



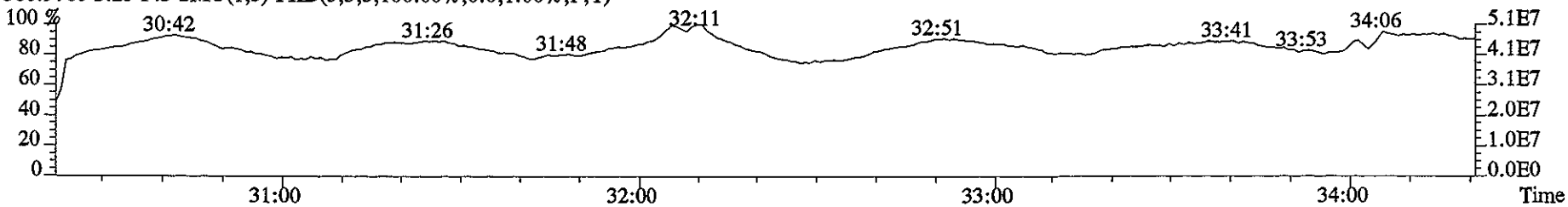
375.8178 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,276.0,1.00%,F,T)



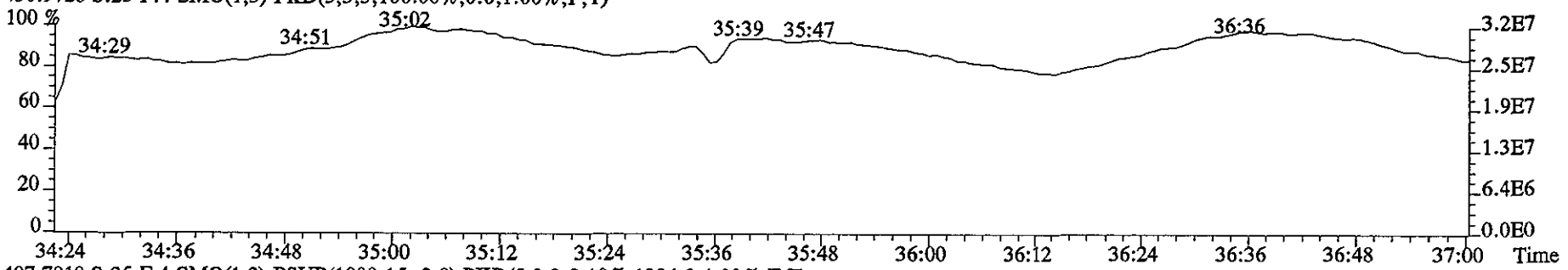
445.7555 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)



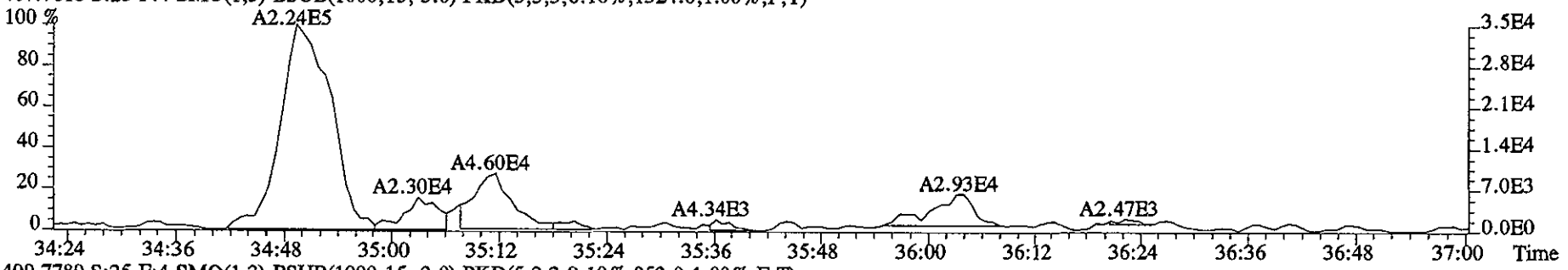
380.9760 S:25 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



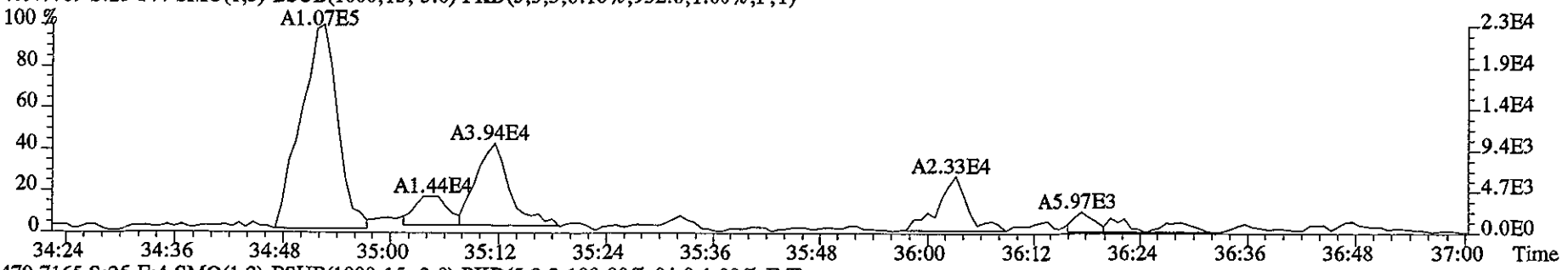
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES
430.9728 S:25 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



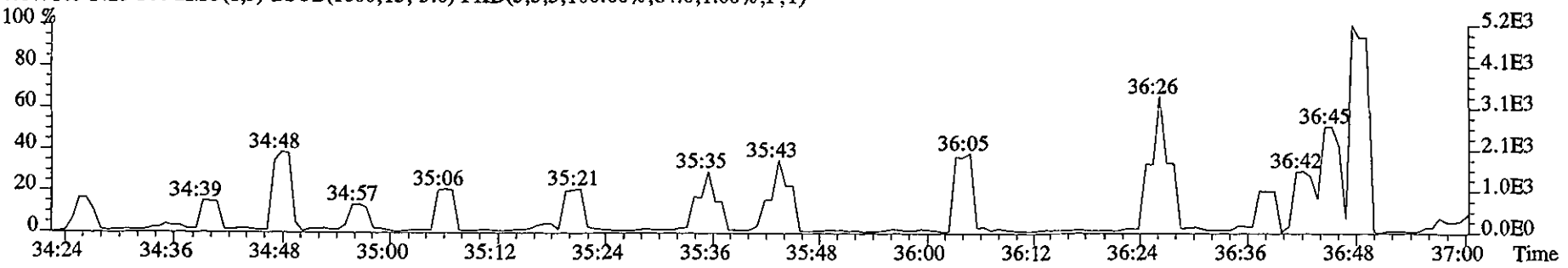
407.7818 S:25 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1324.0,1.00%,F,T)



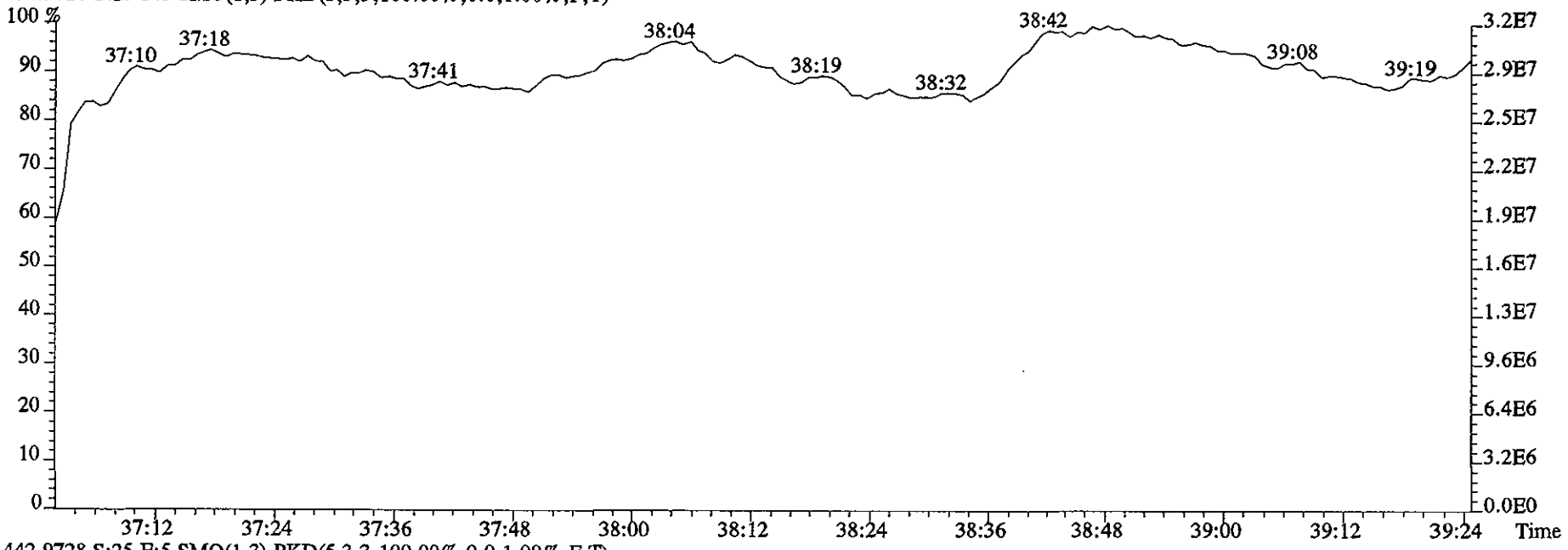
409.7789 S:25 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,952.0,1.00%,F,T)



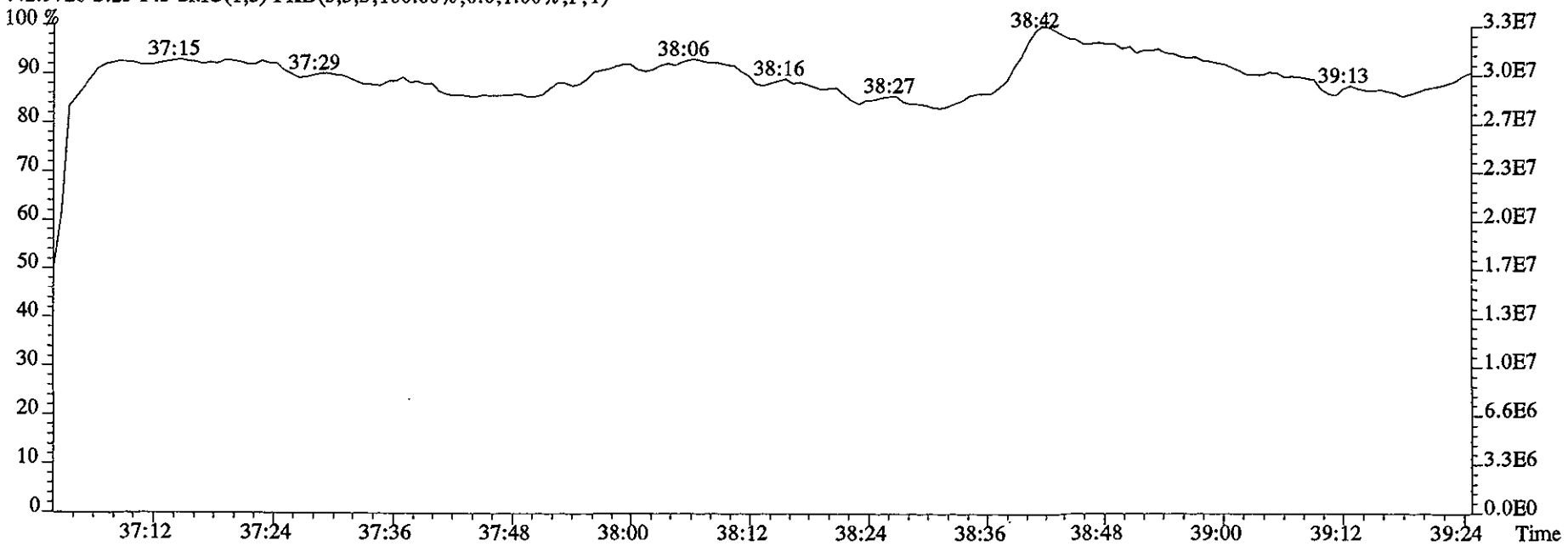
479.7165 S:25 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 05:02:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#25 Text:L6K6X-1-AA :G0I040476-3 Exp:DIOXINRES
454.9728 S:25 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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



Run text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4
Run #11 Filename: 13SE10A4D5 S: 26 I: 1 Results: 13SE10A4D5TO9AK
Acquired: 14-SEP-10 05:47:05 Processed: 14-SEP-10 10:03:24
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 sam

AK 9/16/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	144380800	0.81	y	19:54	-	86.46	-	-	n
13C-2,3,7,8-TCDF	161408300	0.80	y	19:18	1.23	3637.50	2.73	90.9	n
2,3,7,8-TCDF	684503	0.84	y	19:20	0.99	17.06 J	1.57	-	n
Total TCDF	4356939	0.76	y	16:34	0.99	~~108.57~~ 102.98	1.57	-	y
13C-2,3,7,8-TCDD	116092500	0.78	y	20:06	0.91	3553.69	5.15	88.8	n
2,3,7,8-TCDD	23737	0.54	n	20:06	0.98	~~0.83~~	1.37	-	n
Total TCDD	335903	1.24	n	15:26	0.98	~~11.77~~ 7.38	1.37	-	n
37Cl-2,3,7,8-TCDD	62496600	1.00	y	20:08	1.33	1623.85	1.55	101.5	n
13C-1,2,3,7,8-PeCDF	112210100	1.56	y	25:08	0.88	3548.57	2.82	88.7	n
1,2,3,7,8-PeCDF	312740	1.79	n	25:10	1.08	10.35 JQ	1.83	-	n
2,3,4,7,8-PeCDF	188506	1.64	y	26:41	1.05	6.43 J	1.88	-	n
Total F2 PeCDF	2633526	1.18	n	23:20	1.06	~~88.41~~ 65.26	1.86	-	n
Total F1 PeCDF	388463	0.80	n	15:18	1.06	~~13.05~~	1.28	-	n
13C-1,2,3,7,8-PeCDD	74796600	1.57	y	27:32	0.66	3135.78	2.79	78.4	n
1,2,3,7,8-PeCDD	11548	1.48	y	27:37	0.93	~~0.67~~	3.51	-	n
Total PeCDD	425102	1.48	y	23:48	0.93	~~24.56~~ 13.03	3.51	-	n
13C-1,2,3,7,8,9-HxCDD	74112500	1.29	y	33:20	-	62.60	-	-	n
13C-1,2,3,4,7,8-HxCDF	70186200	0.49	y	32:13	1.04	3625.71	4.51	90.6	n
1,2,3,4,7,8-HxCDF	489788	1.22	y	32:13	1.22	22.93 J	1.14	-	n
1,2,3,6,7,8-HxCDF	317757	0.95	n	32:21	1.28	14.13 JQ	1.08	-	n
2,3,4,6,7,8-HxCDF	190340	1.31	y	32:49	1.23	4.823 ~~8.79~~ J	1.13	-	n
1,2,3,7,8,9-HxCDF	116974	1.13	y	33:33	1.10	6.07 J	1.27	-	n
Total HxCDF	2295669	1.01	n	30:58	1.21	~~107.65~~ 105.90	1.15	-	n
13C-1,2,3,6,7,8-HxCDD	56036000	1.31	y	33:04	0.83	9/16/10 mc 3640.36 106.13	1.32	91.0	n
1,2,3,4,7,8-HxCDD	19167	0.43	n	33:04	1.04	~~1.32~~	1.99	-	n
1,2,3,6,7,8-HxCDD	19167	0.43	n	33:04	1.16	~~1.18~~	1.77	-	n
1,2,3,7,8,9-HxCDD	41608	1.17	y	33:20	1.18	2.51 J	1.74	-	n
Total HxCDD	223297	1.46	n	31:42	1.13	~~13.98~~ 10.77	1.83	-	n
13C-1,2,3,4,6,7,8-HpCDF	63683100	0.44	y	34:52	0.91	3776.94	20.15	94.4	n
1,2,3,4,6,7,8-HpCDF	1085982	1.25	n	34:53	1.35	50.69 JQ	2.11	-	n
1,2,3,4,7,8,9-HpCDF	336464	1.01	y	36:02	1.09	19.33 J	2.60	-	n
Total HpCDF	2062502	1.25	n	34:53	1.22	✓102.98	2.33	-	n
13C-1,2,3,4,6,7,8-HpCDD	59304300	1.05	y	35:42	0.83	3872.19	8.82	96.8	n
1,2,3,4,6,7,8-HpCDD	100371	1.44	n	35:43	1.07	6.32 JQ	2.25	-	n
Total HpCDD	214894	0.97	y	35:08	1.07	✓13.52	2.25	-	n
13C-OCDD	82039300	0.88	y	38:16	0.62	7142.83	22.29	89.3	n
OCDF	1596145	0.86	y	38:22	1.37	113.59 J	2.01	-	n

OCDD	315587	0.94	y	38:16	1.20		25.66	S	1.98	- n

Run text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4
Run #11 Filename: 13SE10A4D5 S: 26 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 05:47:05 Processed: 14-SEP-10 10:03:24
Run: 13SE10A4D5 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	144380800	0.81	y	19:54	-	86.458	-	-	n
13C-2,3,7,8-TCDF	161408300	0.80	y	19:18	1.23	3637.503	2.733	90.9	n
2,3,7,8-TCDF	684503	0.84	y	19:20	0.99	17.057	1.566	-	n
Total TCDF	4154516	0.76	y	16:34	0.99	103.525	1.566	-	n
13C-2,3,7,8-TCDD	116092500	0.78	y	20:06	0.91	3553.689	5.154	88.8	n
2,3,7,8-TCDD	23737	0.54	n	20:06	0.98	0.832	1.368	-	n
Total TCDD	335903	1.24	n	15:26	0.98	11.768	1.368	-	n
37Cl-2,3,7,8-TCDD	62496600	1.00	y	20:08	1.33	1623.850	1.554	101.5	n
13C-1,2,3,7,8-PeCDF	112210100	1.56	y	25:08	0.88	3548.573	2.819	88.7	n
1,2,3,7,8-PeCDF	312740	1.79	n	25:10	1.08	10.355	1.830	-	n
2,3,4,7,8-PeCDF	188506	1.64	y	26:41	1.05	6.427	1.885	-	n
Total F2 PeCDF	2633526	1.18	n	23:20	1.06	88.414	1.857	-	n
Total F1 PeCDF	388463	0.80	n	15:18	1.06	13.050	1.283	-	n
13C-1,2,3,7,8-PeCDD	74796600	1.57	y	27:32	0.66	3135.784	2.789	78.4	n
1,2,3,7,8-PeCDD	11548	1.48	y	27:37	0.93	0.667	3.515	-	n
Total PeCDD	425102	1.48	y	23:48	0.93	24.565	3.515	-	n
13C-1,2,3,7,8,9-HxCDD	74112500	1.29	y	33:20	-	62.595	-	-	n
13C-1,2,3,4,7,8-HxCDF	70186200	0.49	y	32:13	1.04	3625.707	4.507	90.6	n
1,2,3,4,7,8-HxCDF	489788	1.22	y	32:13	1.22	22.932	1.141	-	n
1,2,3,6,7,8-HxCDF	317757	0.95	n	32:21	1.28	14.130	1.084	-	n
2,3,4,6,7,8-HxCDF	190340	1.31	y	32:49	1.23	8.795	1.126	-	n
1,2,3,7,8,9-HxCDF	116974	1.13	y	33:33	1.10	6.071	1.265	-	n
Total HxCDF	2295669	1.01	n	30:58	1.21	107.654	1.150	-	n
13C-1,2,3,6,7,8-HxCDD	56036000	1.31	y	33:04	0.83	3640.356	1.316	91.0	n
1,2,3,4,7,8-HxCDD	19167	0.43	n	33:04	1.04	1.319	1.987	-	n
1,2,3,6,7,8-HxCDD	19167	0.43	n	33:04	1.16	1.177	1.773	-	n
1,2,3,7,8,9-HxCDD	41608	1.17	y	33:20	1.18	2.513	1.744	-	n
Total HxCDD	223297	1.46	n	31:42	1.13	13.982	1.829	-	n
13C-1,2,3,4,6,7,8-HpCDF	63683100	0.44	y	34:52	0.91	3776.945	20.147	94.4	n
1,2,3,4,6,7,8-HpCDF	1085982	1.25	n	34:53	1.35	50.686	2.112	-	n
1,2,3,4,7,8,9-HpCDF	336464	1.01	y	36:02	1.09	19.328	2.600	-	n
Total HpCDF	2062502	1.25	n	34:53	1.22	102.977	2.331	-	n
13C-1,2,3,4,6,7,8-HpCDD	59304300	1.05	y	35:42	0.83	3872.186	8.818	96.8	n
1,2,3,4,6,7,8-HpCDD	100371	1.44	n	35:43	1.07	6.317	2.254	-	n
Total HpCDD	214894	0.97	y	35:08	1.07	13.525	2.254	-	n
13C-OCDD	82039300	0.88	y	38:16	0.62	7142.826	22.294	89.3	n
OCDF	1596145	0.86	y	38:22	1.37	113.586	2.006	-	n
OCDD	315587	0.94	y	38:16	1.20	25.660	1.977	-	n

 see IA

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:14
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	51.76 of which	8.53 named and	43.23	unnamed
Conc:	103.52 of which	17.06 named and	86.47	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:34	0.76	y	4.34	75332	11.5	y	n
						98767	9.5	y	n
	2	16:56	1.03	n	2.34	54850	8.0	y	n
						53097	4.7	y	n
	3	17:07	0.79	y	3.01	53508	7.7	y	n
						67415	4.6	y	n
	4	17:25	0.81	y	20.66	370866	44.5	y	n
						458378	34.0	y	n
	5	17:42	0.74	y	10.35	177273	16.9	y	n
						238061	14.5	y	n
	6	18:01	1.73	n	4.32	168977	12.1	y	n
						97922	9.0	y	n
	7	18:17	0.90	n	9.75	200040	27.1	y	n
						221117	16.5	y	n
	8	18:35	0.60	n	7.01	122424	11.6	y	n
						205440	12.7	y	n
	9	18:41	0.79	y	8.94	158499	18.0	y	n
						200404	15.7	y	n
	10	18:54	0.75	y	10.15	174805	23.2	y	n
						232403	18.6	y	n
	11	19:07	0.62	n	1.98	34605	5.0	y	n
						55870	3.1	y	n
2,3,7,8-TCDF	12	19:20	0.84	y	17.06	312609	36.0	y	n
						371894	23.3	y	n
	13	19:49	0.80	y	2.86	50818	6.2	y	n
						63791	4.3	y	n
	14	20:20	0.53	n	0.75	13071	2.3	n	n
						24661	2.4	n	n

1A

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? yes #Hom:14
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	54.28 of which	8.53 named and	45.76	unnamed
Conc:	108.57 of which	17.06 named and	91.51	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:34	0.76	y	4.34	75332	11.5	y	n
						98767	9.5	y	n
	2	16:56	1.03	n	2.34	54850	8.0	y	n
						53097	4.7	y	n
	3	17:07	0.79	y	3.01	53508	7.7	y	n
						67415	4.6	y	n
	4	17:25	0.81	y	20.66	370866	44.5	y	n
						458377	34.0	y	n
	5	17:42	0.74	y	10.35	177273	16.9	y	n
						238060	14.5	y	n
	6	18:01	0.82	y	9.36	168978	12.1	y	n
						206771	10.6	y	y
	7	18:17	0.90	n	9.75	200041	27.1	y	n
						221117	16.5	y	n
	8	18:35	0.60	n	7.01	122424	11.6	y	n
						205440	12.7	y	n
	9	18:41	0.79	y	8.94	158499	18.0	y	n
						200404	15.7	y	n
	10	18:54	0.75	y	10.15	174805	23.2	y	n
						232403	18.6	y	n
	11	19:07	0.62	n	1.98	34605	5.0	y	n
						55869	3.1	y	n
2,3,7,8-TCDF	12	19:20	0.84	y	17.06	312609	36.0	y	n
						371894	23.3	y	n
	13	19:49	0.80	y	2.86	50818	6.2	y	n
						63790	4.3	y	n
	14	20:20	0.53	n	0.75	13071	2.3	n	n
						24661	2.4	n	n

C/N

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:10
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	5.88	of which		0.42	named and	5.47	unnamed		
Conc:	11.77	of which		0.83	named and	10.94	unnamed		

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:26	1.24	n	0.34	6876	2.3	n	n
						5550	1.3	n	n
	2	17:33	1.03	n	2.71	45098	10.2	y	n
						43634	5.5	y	n
	3	17:41	0.63	n	0.31	3861	1.3	n	n
						6106	1.4	n	n
	4	17:54	1.05	n	4.67	79402	14.4	y	n
						75296	10.9	y	n
	5	18:49	0.99	n	1.15	18426	4.0	y	n
						18574	3.5	y	n
	6	18:57	0.93	n	0.31	4611	1.3	n	n
						4945	1.3	n	n
2,3,7,8-TCDD	7	20:06	0.54	n	0.33	10326	2.0	n	n
						18959	3.7	y	n
	8	20:20	0.76	y	0.45	5619	1.5	n	n
						7367	1.6	n	n
	9	21:07	0.81	y	0.58	7384	2.1	n	n
						9109	1.3	n	n
	10	21:19	0.81	y	0.42	5315	1.6	n	n
						6540	1.1	n	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:13
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	44.21 of which	8.39 named and	35.82 unnamed
Conc:	88.41 of which	16.78 named and	71.63 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:20	1.18	n	5.88	106306	22.5	y	n
						90430	7.9	y	n
	2	23:34	1.44	y	32.00	562881	101.4	y	n
						389787	27.1	y	n
	3	23:51	2.06	n	3.98	95697	17.7	y	n
						46416	3.4	y	n
	4	24:08	1.38	y	3.09	53357	8.8	y	n
						38581	3.6	y	n
	5	24:28	1.27	n	2.47	44768	12.7	y	n
						35326	3.6	y	n
	6	24:35	1.44	y	8.35	146844	23.8	y	n
						101767	6.8	y	n
	7	24:59	1.70	y	5.67	106236	21.5	y	n
						62549	5.4	y	n
1,2,3,7,8-PeCDF	8	25:10	1.79	n	10.35	219075	40.7	y	n
						122643	9.4	y	n
	9	25:30	2.69	n	1.83	57591	12.1	y	n
						21414	2.0	n	n
	10	25:46	2.25	n	4.45	117049	19.3	y	n
						51912	4.5	y	n
2,3,4,7,8-PeCDF	11	26:41	1.64	y	6.43	117157	19.5	y	n
						71349	4.8	y	n
	12	27:01	0.29	n	1.69	30509	8.4	y	n
						105764	5.8	y	n
	13	27:05	0.38	n	2.22	40240	6.9	y	n
						105764	5.8	y	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:8
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05

Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	6.53	of which	* named and	6.53	unnamed
Conc:	13.05	of which	* named and	13.05	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:18	0.80	n	0.36	6546	9.5	y	n
						8226	1.6	n	n
	2	15:30	3.73	n	0.21	9032	16.7	y	n
						2420	0.4	n	n
	3	15:37	0.32	n	0.16	2863	7.2	y	n
						9042	1.8	n	n
	4	16:25	0.85	n	0.33	5999	10.5	y	n
						7028	1.3	n	n
	5	16:57	0.15	n	0.43	7741	14.0	y	n
						52340	5.6	y	n
	6	19:46	0.13	n	0.03	547	1.1	n	n
						4186	0.8	n	n
	7	21:03	0.28	n	0.93	16819	28.0	y	n
						60643	6.5	y	n
	8	21:46	1.79	n	10.60	221985	287.7	y	n
						123780	14.3	y	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:8
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	12.28 of which	0.33 named and	11.95	unnamed
Conc:	24.56 of which	0.67 named and	23.90	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:48	1.48	y	6.24	64347	5.0	y	n
						43587	7.6	y	n
	2	25:01	0.68	n	0.81	8556	1.4	n	n
						12562	5.6	y	n
	3	25:09	1.23	n	3.65	38400	4.1	y	n
						31317	5.4	y	n
	4	25:38	1.61	y	2.05	21876	2.7	n	n
						13561	3.2	y	n
	5	25:49	1.83	n	3.91	48544	3.9	y	n
						26511	4.8	y	n
	6	26:17	2.63	n	0.46	8129	1.9	n	n
						3092	1.4	n	n
	7	26:58	3.42	n	6.79	157622	12.5	y	n
						46056	6.2	y	n
1,2,3,7,8-PeCDD	8	27:37	1.48	y	0.67	6898	1.4	n	n
						4650	2.0	n	n

 see 6A

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:12
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	53.83 of which	25.96 named and	27.86	unnamed
Conc:	107.65 of which	51.93 named and	55.73	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:58	1.01	n	11.97	140419	23.7	y	n
						138609	30.7	y	n
	2	31:11	1.16	y	25.55	291007	45.1	y	n
						250464	65.0	y	n
	3	31:22	1.13	y	1.38	15502	2.6	n	n

6A

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:13
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	53.94 of which	23.98 named and	29.96 unnamed
Conc:	107.88 of which	47.95 named and	59.92 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:58	1.01	n	11.97	140419	23.7	y	n
						138610	30.7	y	n
	2	31:11	1.16	y	25.55	291007	45.1	y	n
						250464	65.0	y	n
	3	31:22	1.13	y	1.38	15502	2.6	n	n
						13695	4.3	y	n
	4	31:34	0.92	n	3.41	40023	8.6	y	n
						43490	11.9	y	n
	5	31:48	1.09	y	4.10	45377	6.7	y	n
						41447	9.7	y	n
1,2,3,4,7,8-HxCDF	6	32:13	1.22	y	22.93	268721	46.0	y	n
						221067	59.5	y	n
1,2,3,6,7,8-HxCDF	7	32:21	0.95	n	14.13	175900	32.5	y	n
						185761	52.1	y	n
	8	32:26	1.11	y	4.60	51314	10.8	y	n
						46208	17.9	y	n
	9	32:40	1.00	n	4.34	50909	9.3	y	n
						50790	11.9	y	n
	10	32:49	1.24	y	4.20	49233	14.1	y	y
						39713	16.1	y	y
2,3,4,6,7,8-HxCDF	11	32:51	1.33	y	4.82	59596	11.7	y	y
						44749	15.4	y	y
1,2,3,7,8,9-HxCDF	12	33:33	1.13	y	6.07	62018	8.4	y	n
						54957	13.8	y	n
	13	33:51	1.49	n	0.37	5240	1.7	n	y
						3513	1.3	n	n

						13695	4.3	y	n
	4	31:34	0.92	n	3.41	40023	8.6	y	n
						43490	11.9	y	n
	5	31:48	1.09	y	4.10	45377	6.7	y	n
						41447	9.7	y	n
1,2,3,4,7,8-HxCDF	6	32:13	1.22	y	22.93	268721	46.0	y	n
						221067	59.5	y	n
1,2,3,6,7,8-HxCDF	7	32:21	0.95	n	14.13	175901	32.5	y	n
						185761	52.1	y	n
	8	32:26	1.11	y	4.60	51315	10.8	y	n
						46208	17.9	y	n
	9	32:40	1.00	n	4.34	50909	9.3	y	n
						50790	11.9	y	n
2,3,4,6,7,8-HxCDF	10	32:49	1.31	y	8.79	107947	13.8	y	n
						82393	15.7	y	n
1,2,3,7,8,9-HxCDF	11	33:33	1.13	y	6.07	62018	8.4	y	n
						54957	13.8	y	n
	12	33:51	1.49	n	0.37	5240	1.7	n	n
						3513	1.3	n	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:5
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	6.99 of which	1.84 named and	5.15	unnamed
Conc:	13.98 of which	3.69 named and	10.29	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:42	1.46	n	2.03	20781	4.4	y	n
						14277	2.4	n	n
	2	32:14	1.29	y	5.09	45343	6.9	y	n
						35078	5.8	y	n
	3	32:29	1.13	y	3.17	26623	5.5	y	n
						23498	2.8	n	n
1,2,3,6,7,8-HxCDD	4	33:04	0.43	n	1.18	10610	1.9	n	n
						24404	3.3	y	n
1,2,3,7,8,9-HxCDD	5	33:20	1.17	y	2.51	22435	4.8	y	n
						19173	3.3	y	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

Amount:	51.49 of which	35.01 named and	16.48	unnamed
Conc:	102.98 of which	70.01 named and	32.96	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:53	1.25	n	50.69	664555	76.0	y	n
						532344	70.7	y	n
	2	35:04	0.99	y	12.25	118017	15.5	y	n
						119777	16.2	y	n
	3	35:11	1.12	y	20.72	212230	24.1	y	n
						190032	24.2	y	n
1,2,3,4,7,8,9-HpCDF	4	36:02	1.01	y	19.33	169195	20.9	y	n
						167269	17.2	y	n

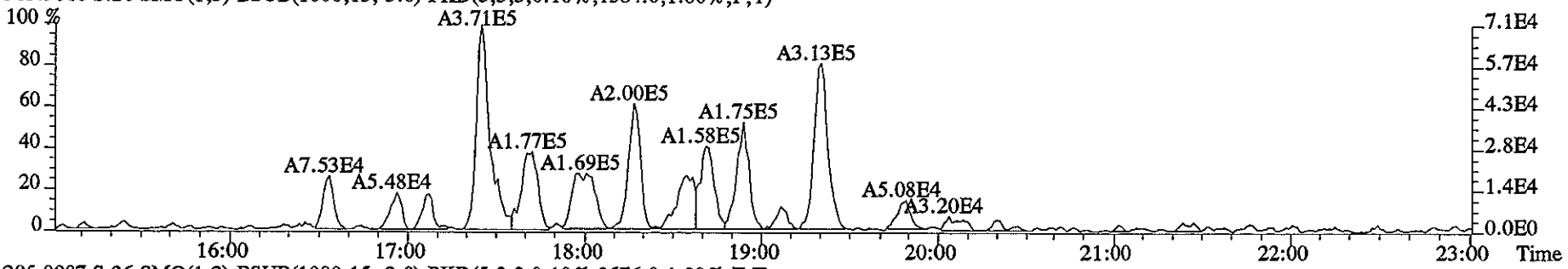
Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-4

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:2
Run: 11 File: 13SE10A4D5 S:26 Acq:14-SEP-10 05:47:05
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

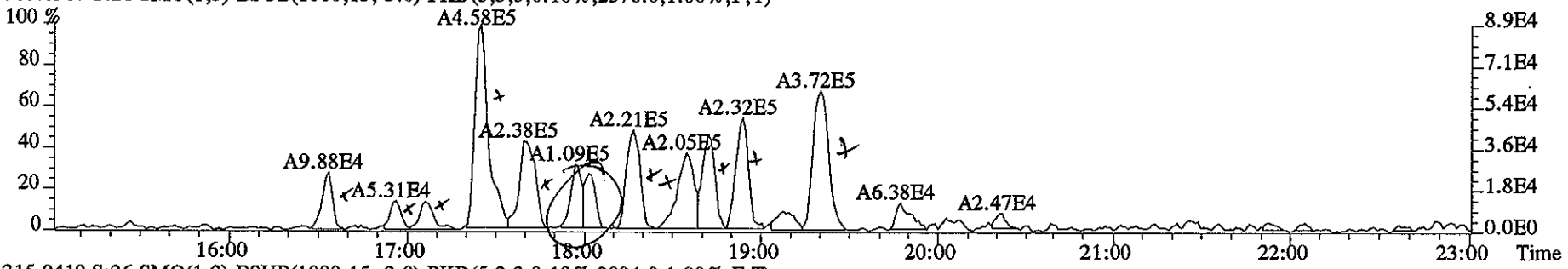
Amount:	6.76 of which	3.16 named and	3.60	unnamed
Conc:	13.52 of which	6.32 named and	7.21	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	35:08	0.97	y	7.21	56480	11.9	y	n
						58043	10.8	y	n
1,2,3,4,6,7,8-HpCDD	2	35:43	1.44	n	6.32	70620	14.7	y	n
						49202	8.4	y	n

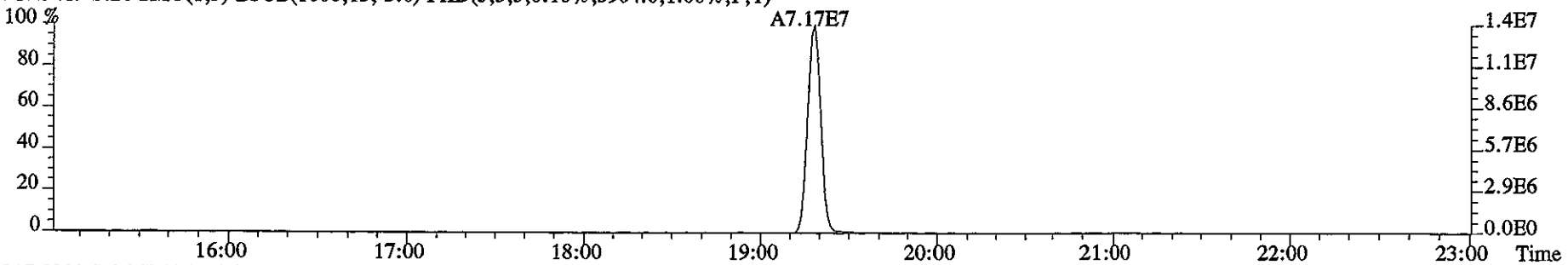
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES
303.9016 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1584.0,1.00%,F,T)



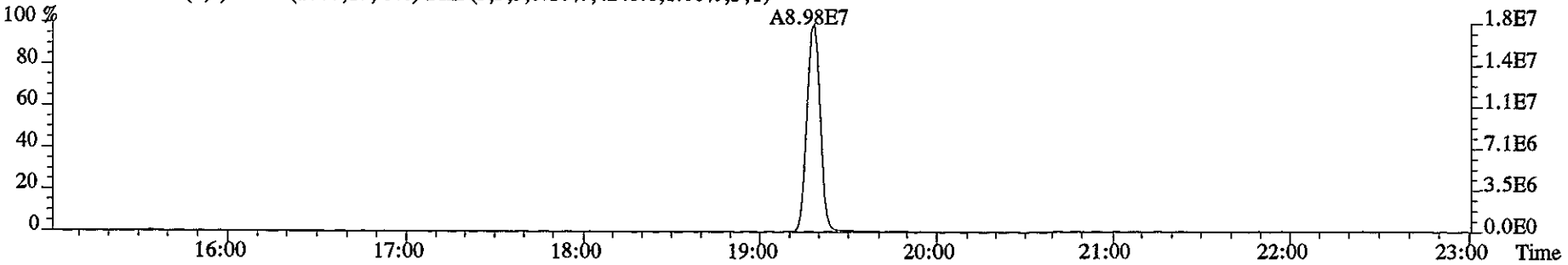
305.8987 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2576.0,1.00%,F,T)



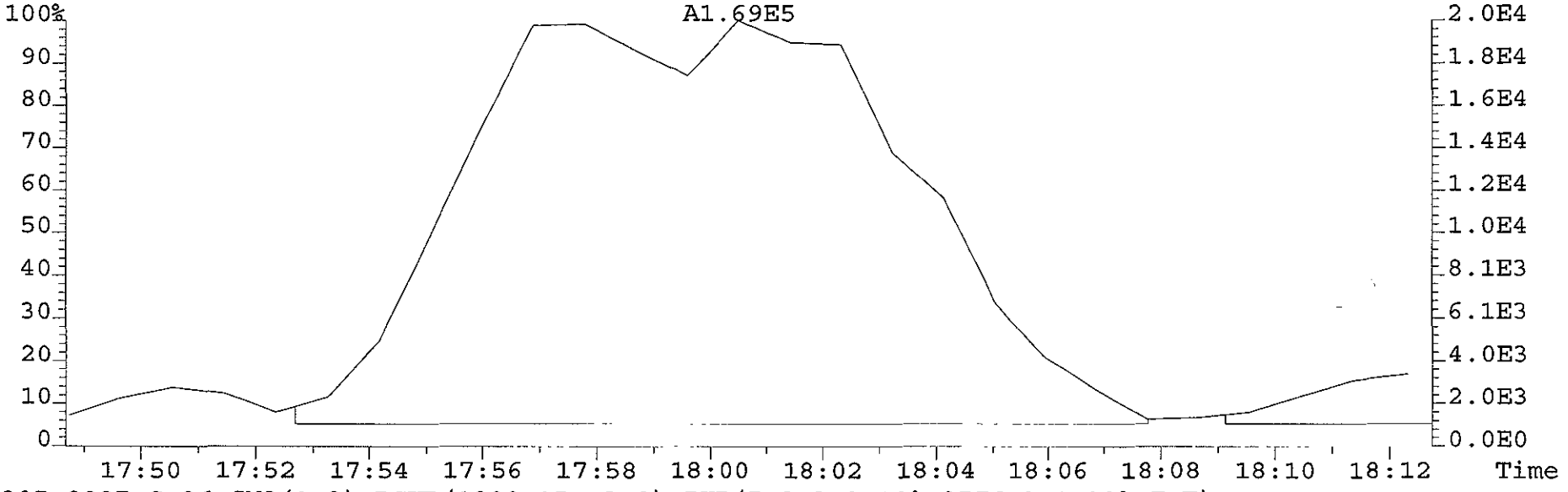
315.9419 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3904.0,1.00%,F,T)



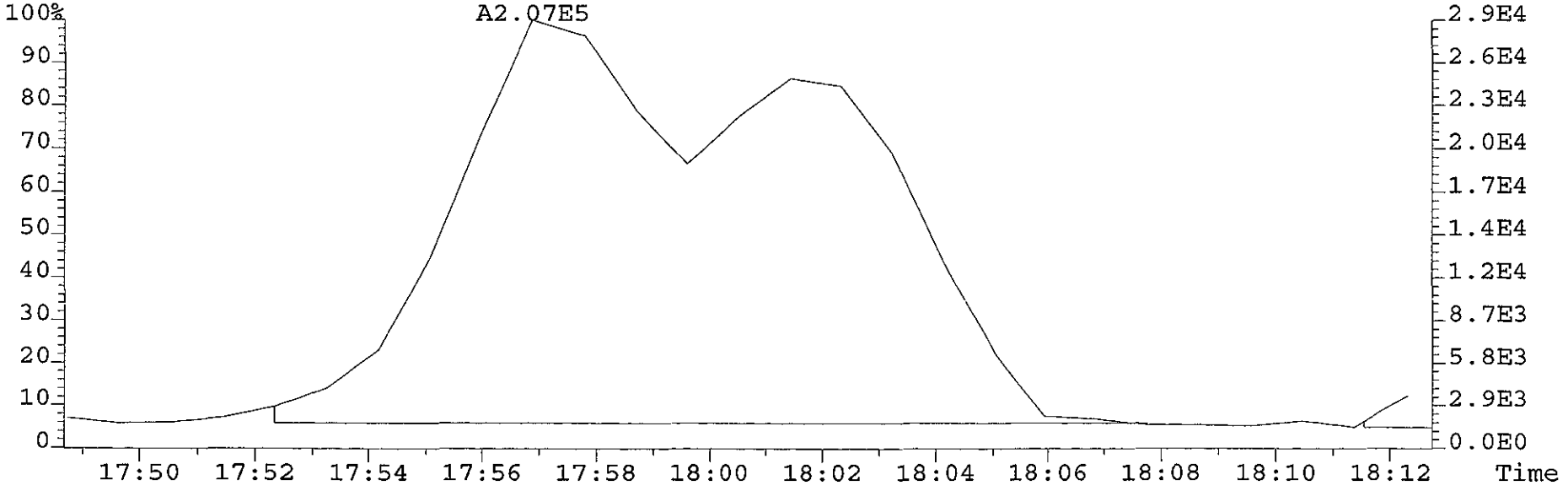
317.9389 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4248.0,1.00%,F,T)



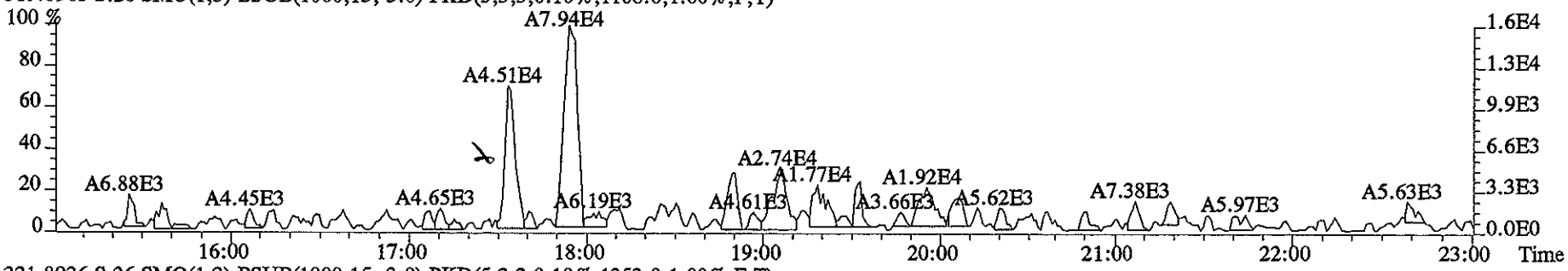
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES
303.9016 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1584.0,1.00%,F,T)

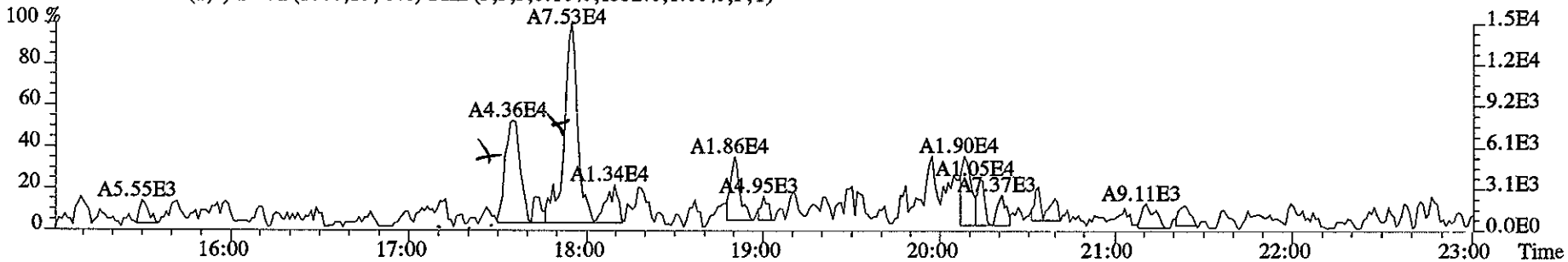


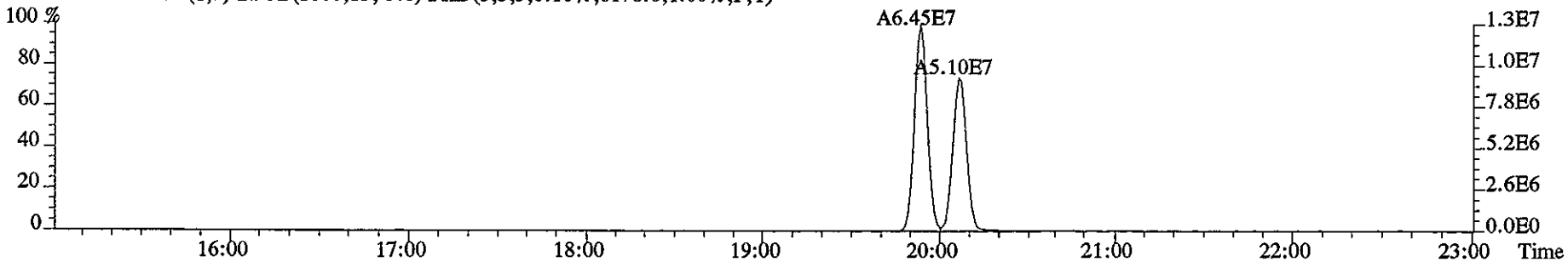
305.8987 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2576.0,1.00%,F,T)

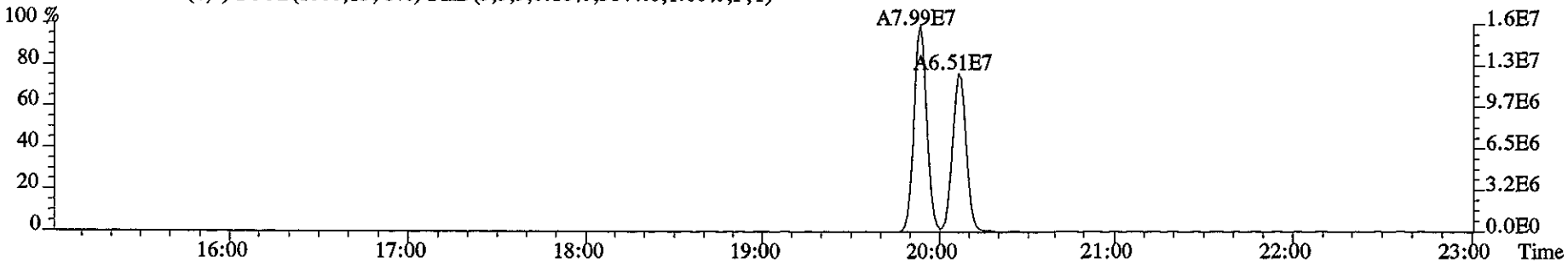


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES

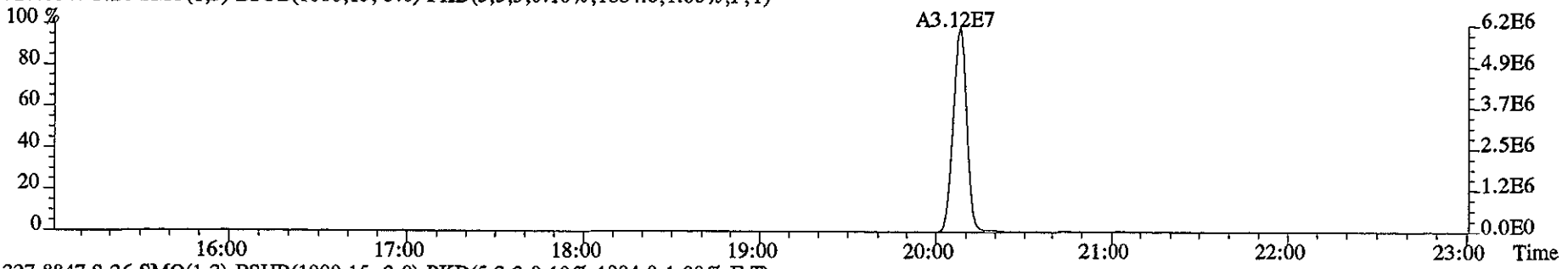




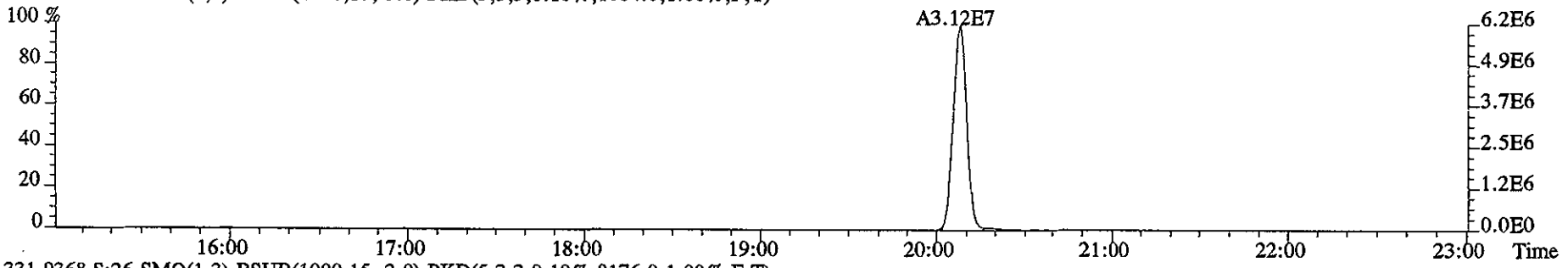




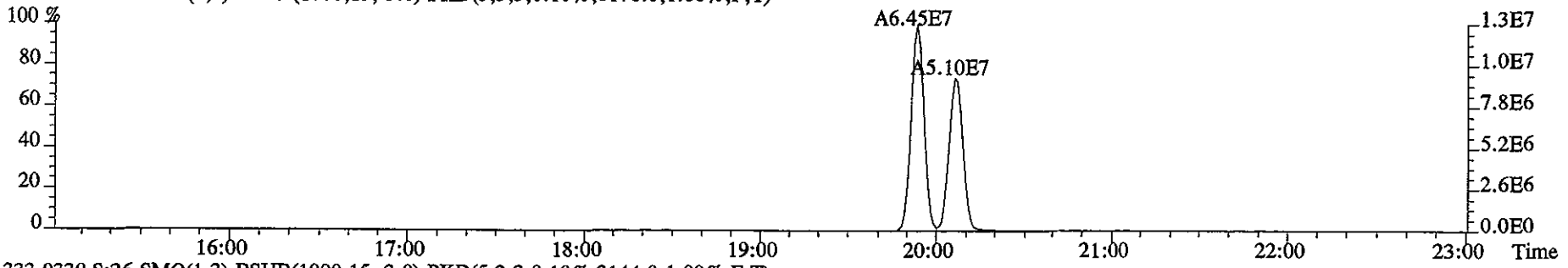
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES
327.8847 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1884.0,1.00%,F,T)



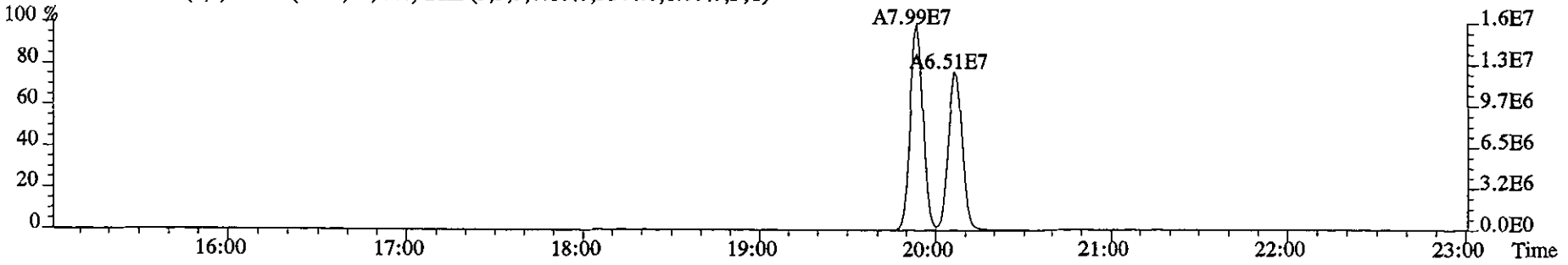
327.8847 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1884.0,1.00%,F,T)



331.9368 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8176.0,1.00%,F,T)

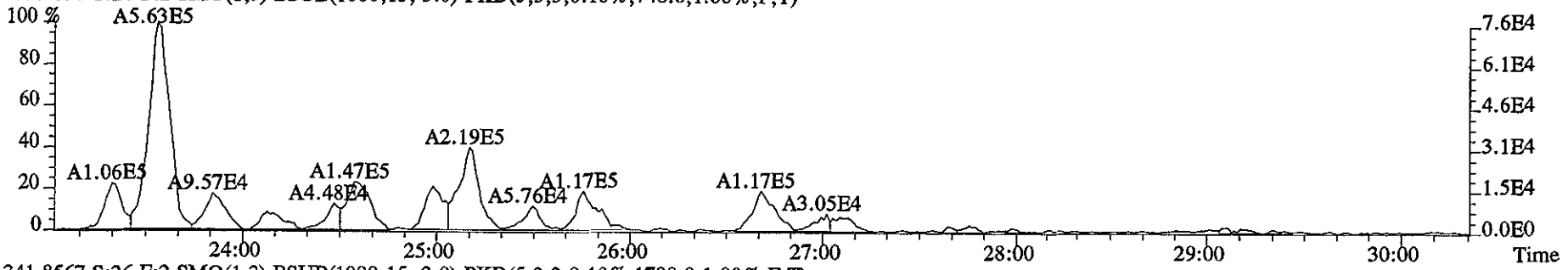


333.9339 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3144.0,1.00%,F,T)

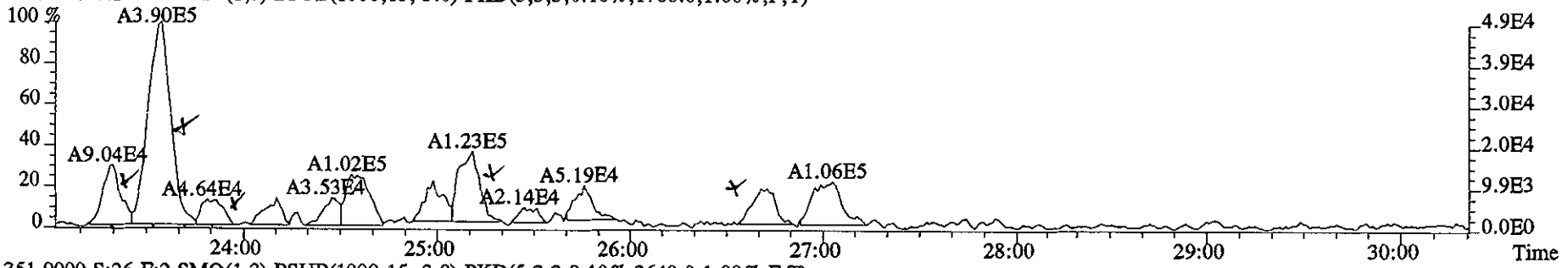


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES

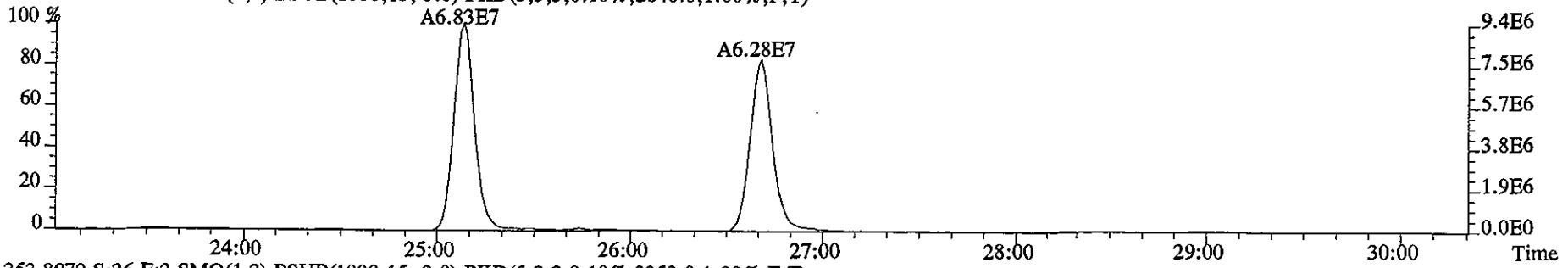
339.8597 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,748.0,1.00%,F,T)



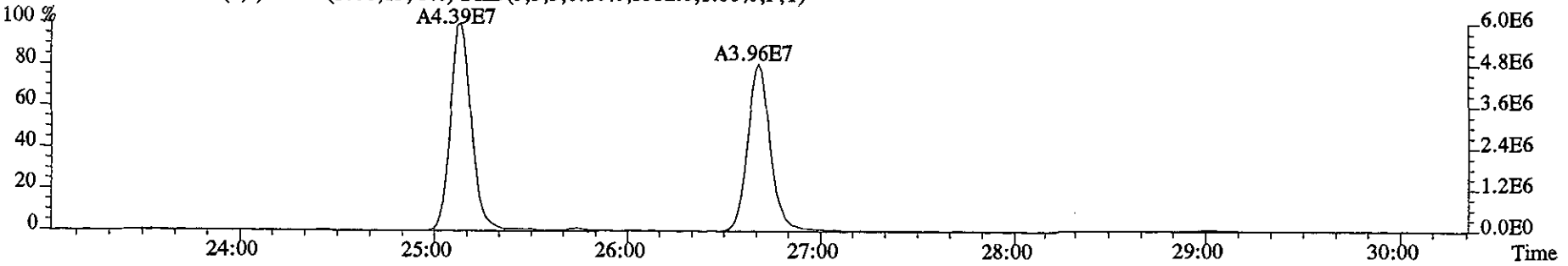
341.8567 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1788.0,1.00%,F,T)



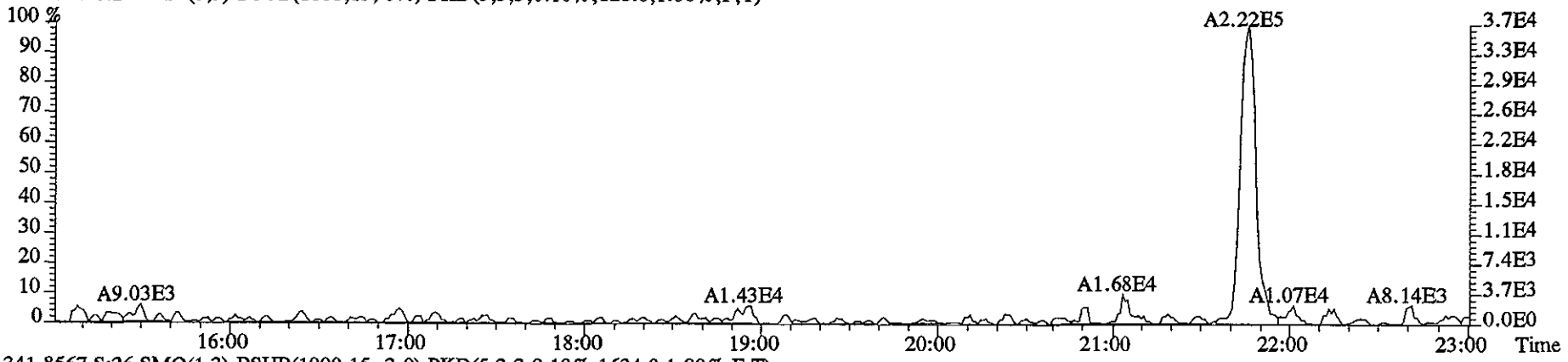
351.9000 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2640.0,1.00%,F,T)



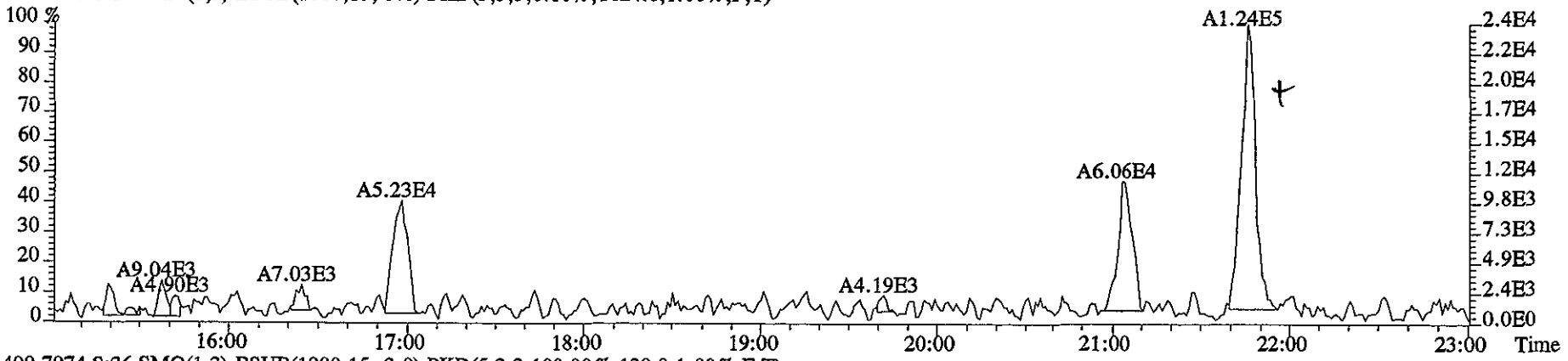
353.8970 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3352.0,1.00%,F,T)



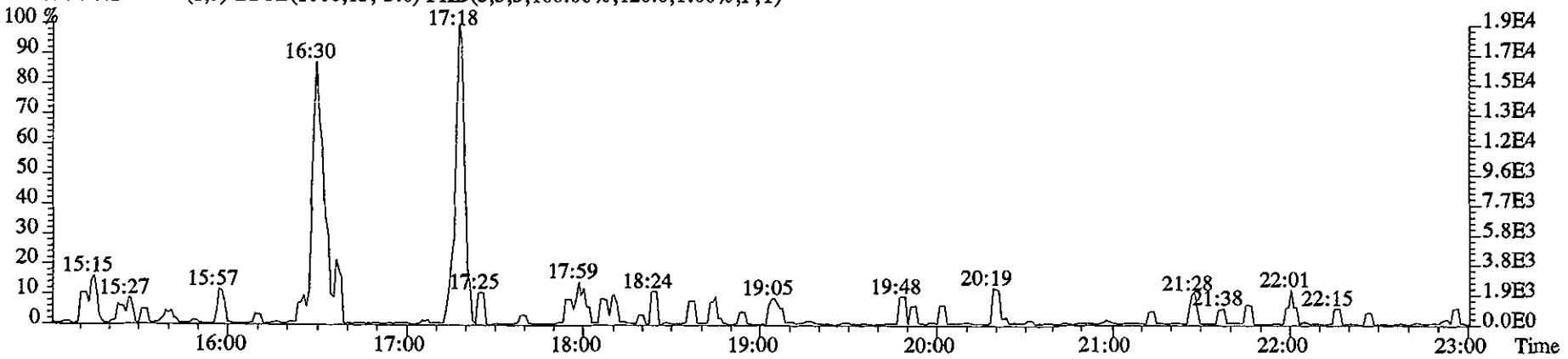
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES
339.8597 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)



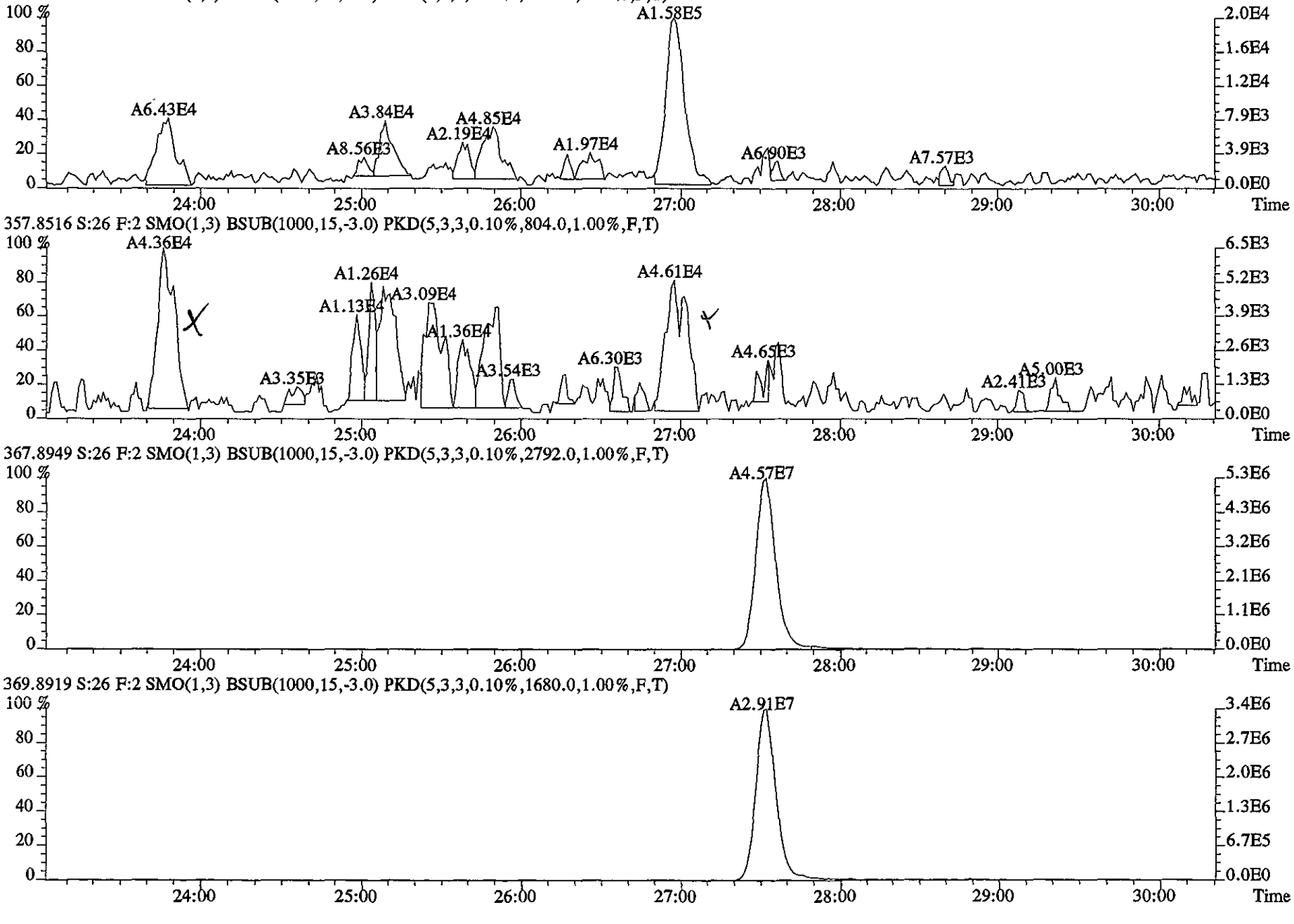
341.8567 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1624.0,1.00%,F,T)



409.7974 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,120.0,1.00%,F,T)

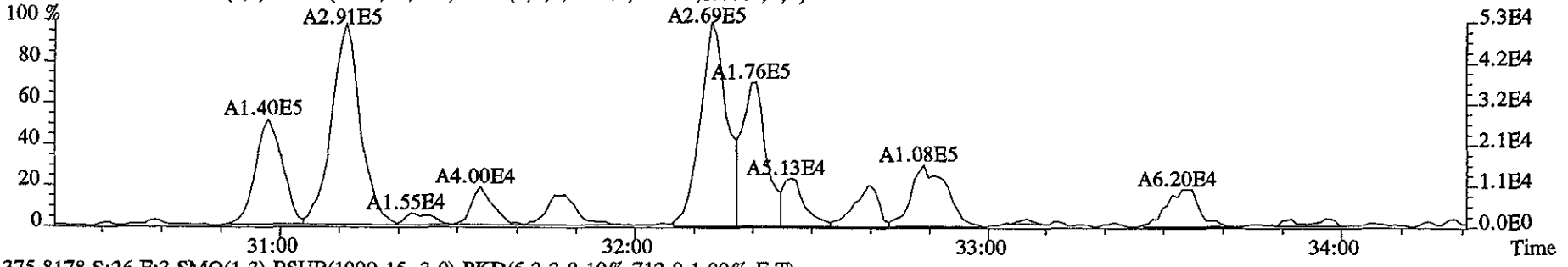


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES

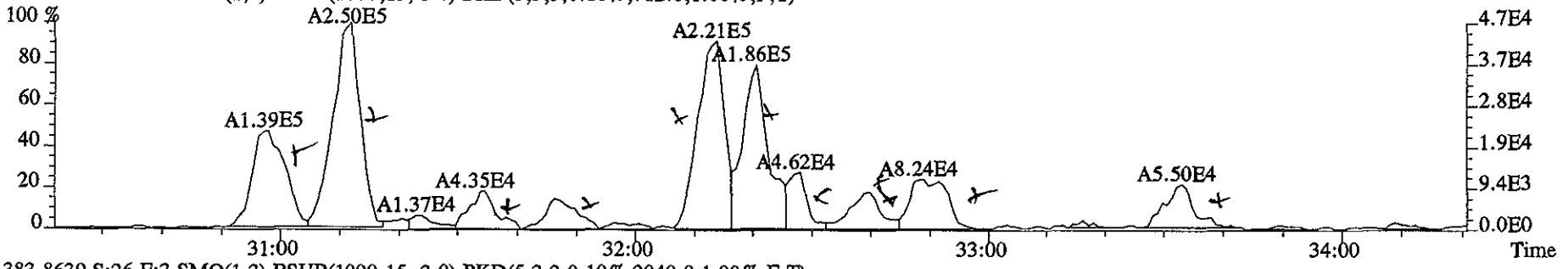


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES

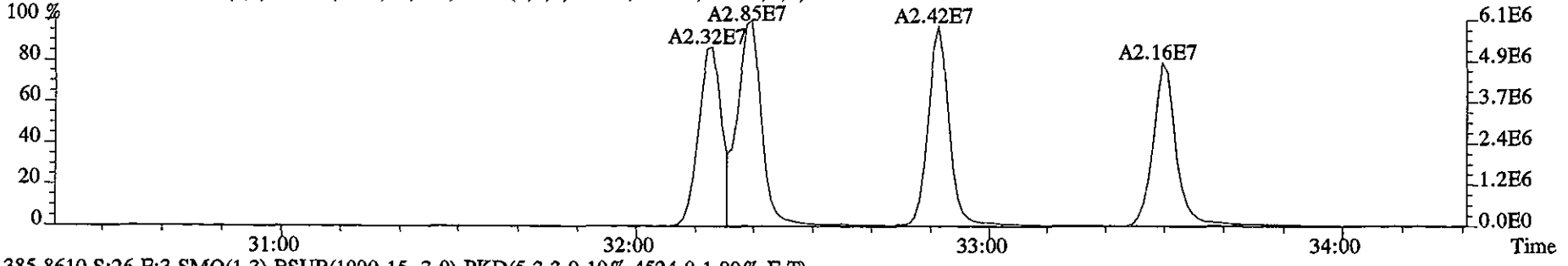
373.8208 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144.0,1.00%,F,T)



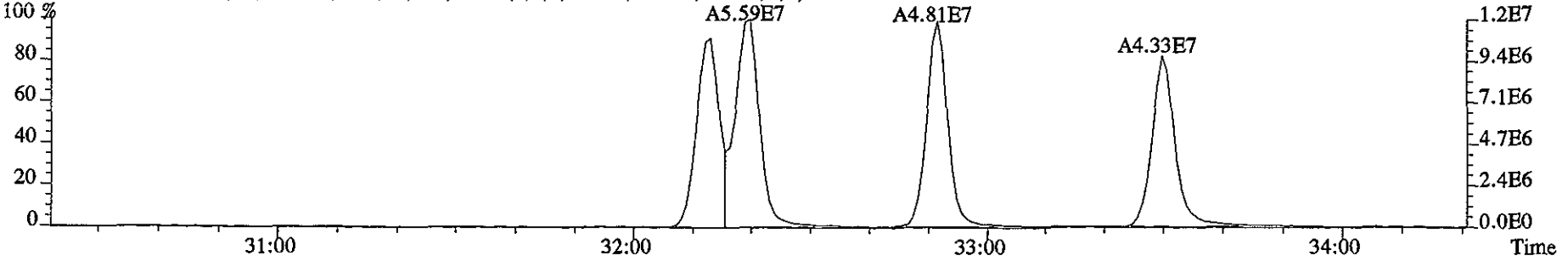
375.8178 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



383.8639 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2040.0,1.00%,F,T)

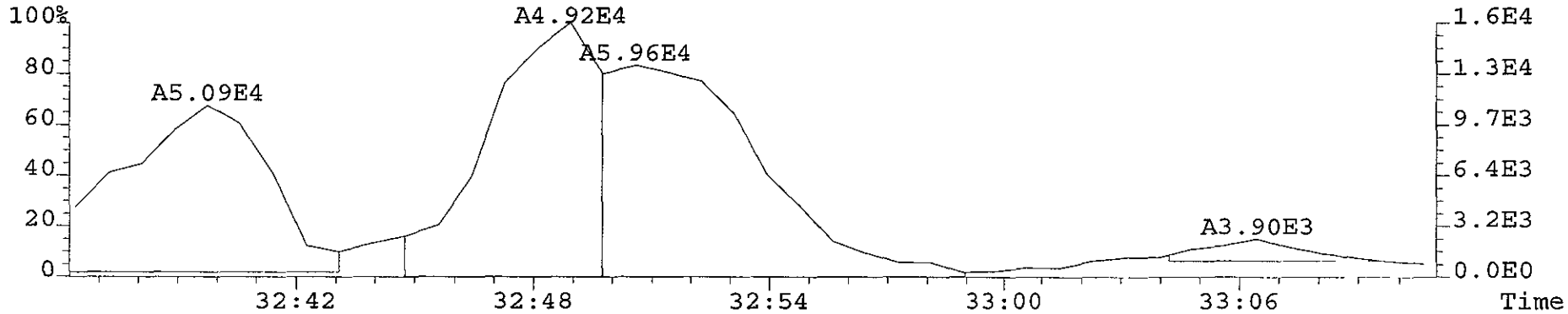


385.8610 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4524.0,1.00%,F,T)

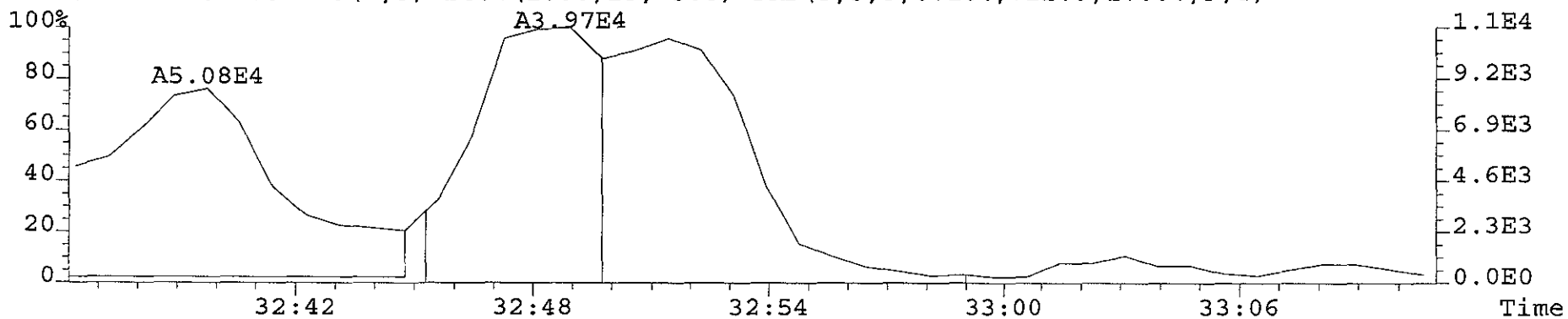


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES

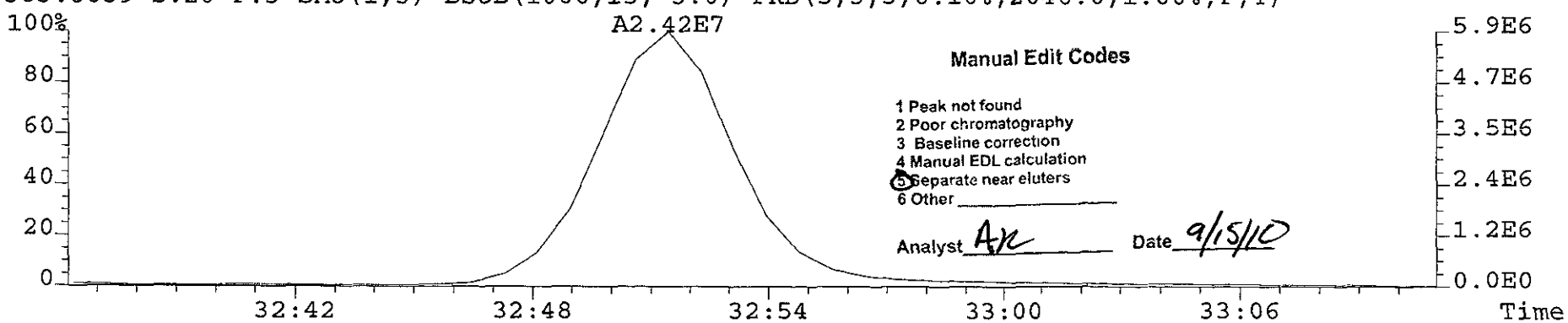
373.8208 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144.0,1.00%,F,T)



375.8178 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



383.8639 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2040.0,1.00%,F,T)

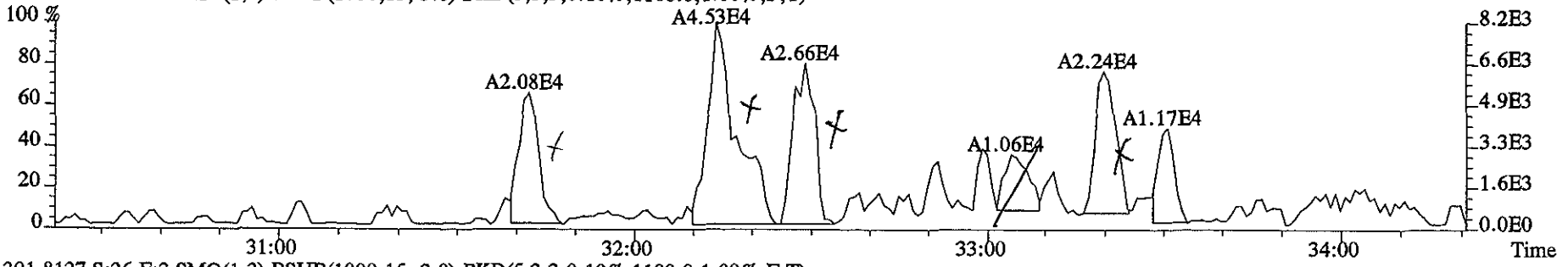


Manual Edit Codes

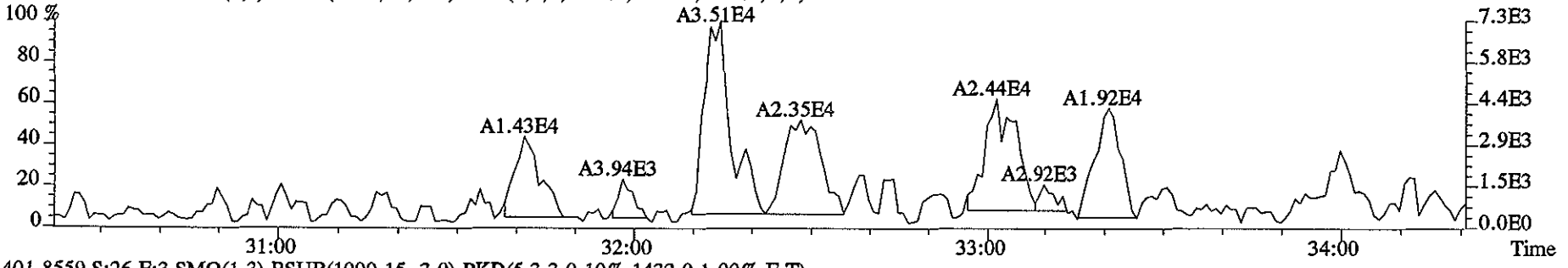
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst AR Date 9/15/10

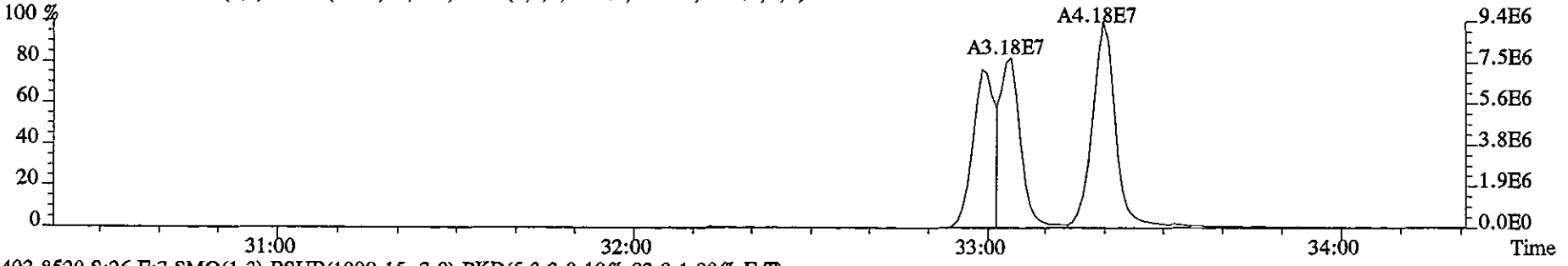
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES
389.8157 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1168.0,1.00%,F,T)



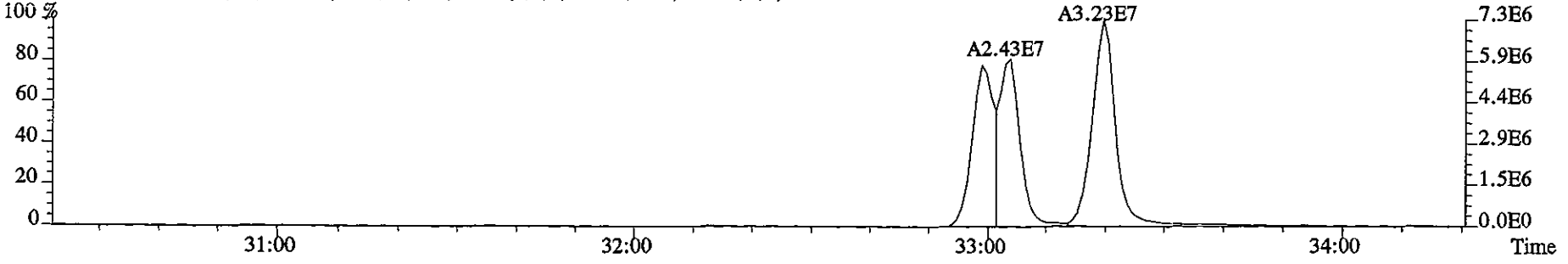
391.8127 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1180.0,1.00%,F,T)



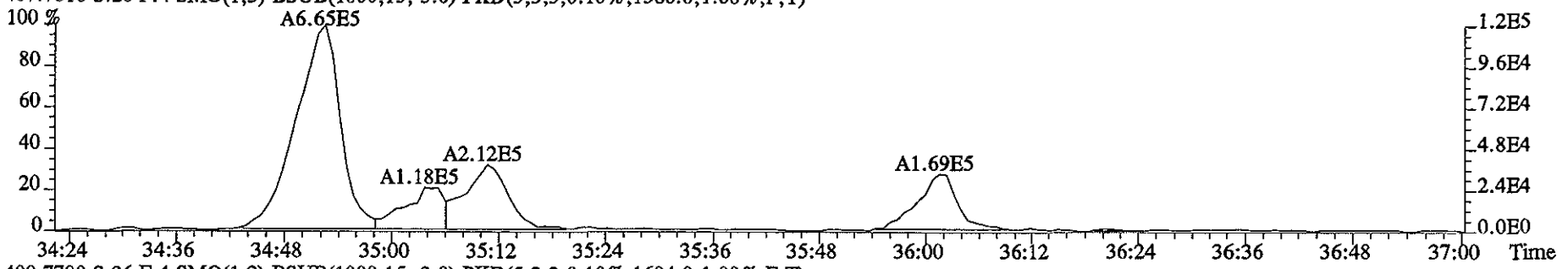
401.8559 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1432.0,1.00%,F,T)

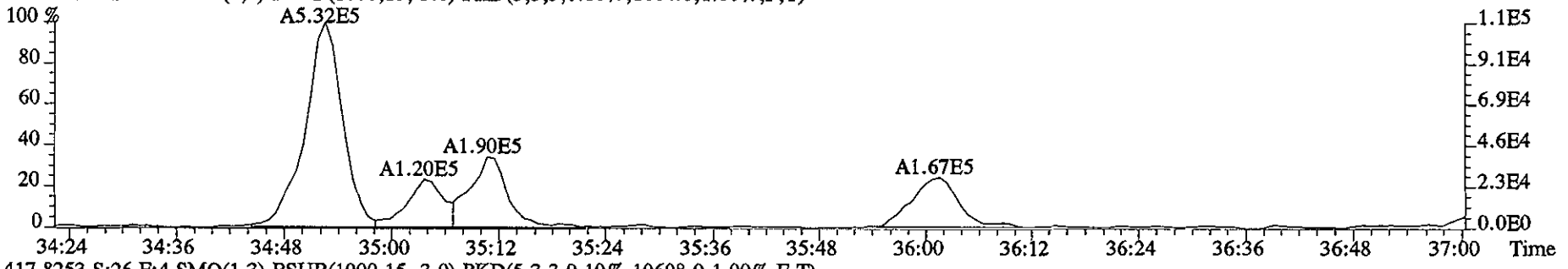


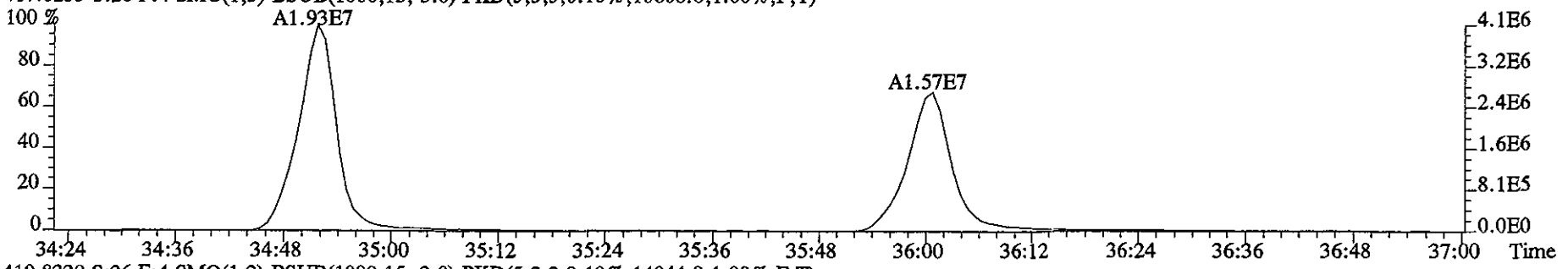
403.8529 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)

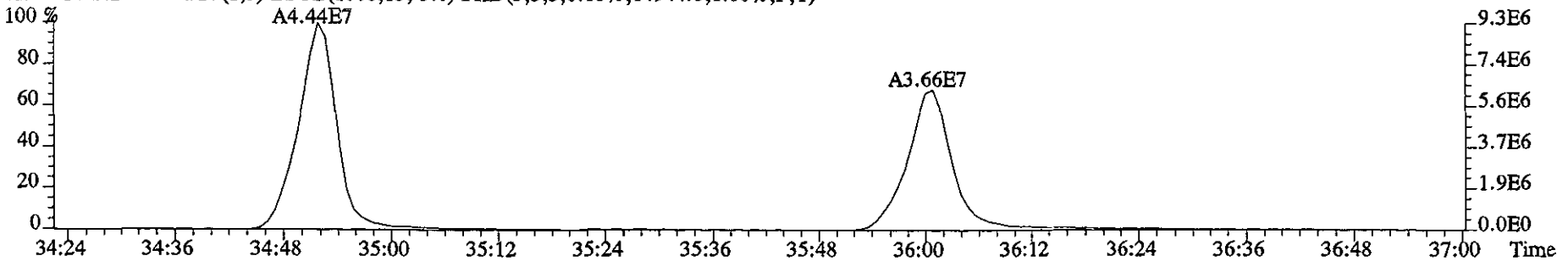


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES

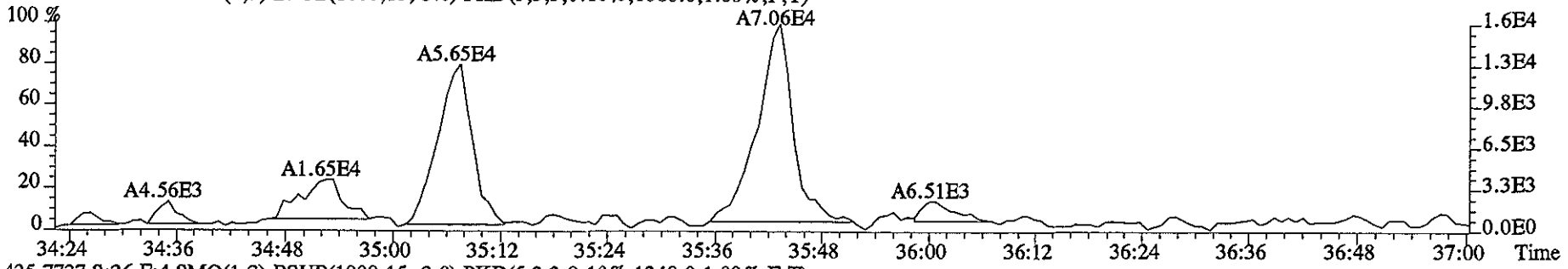


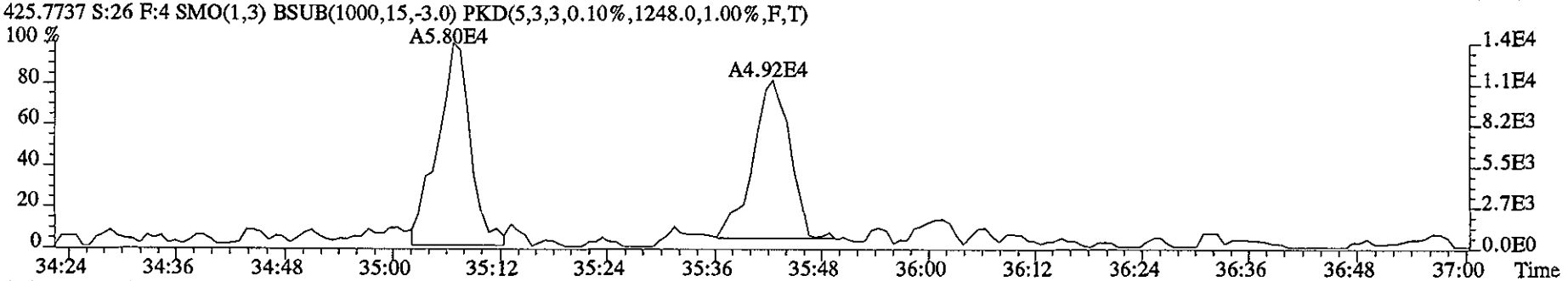


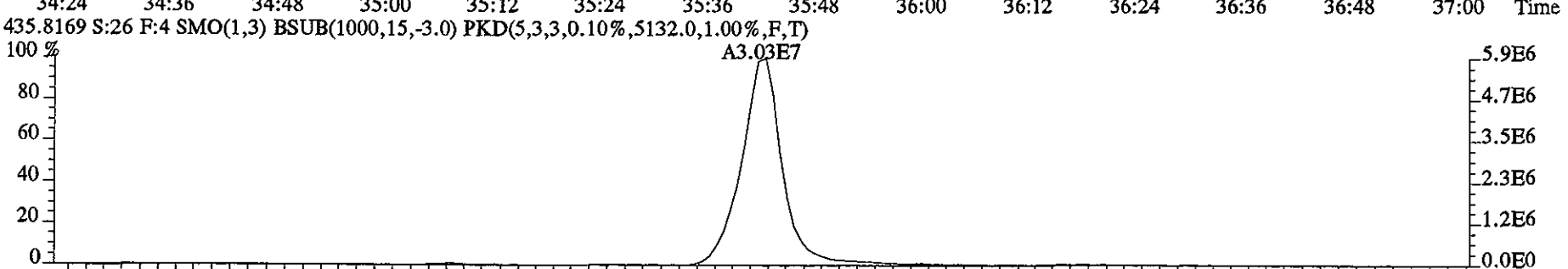


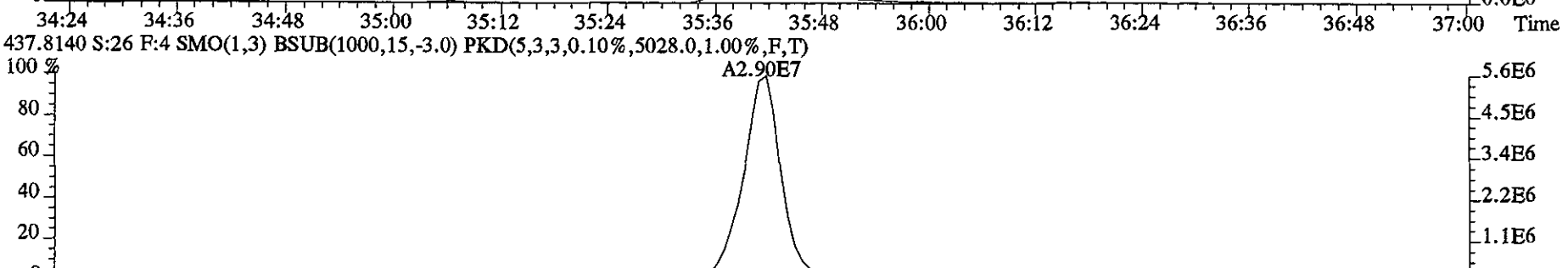


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES

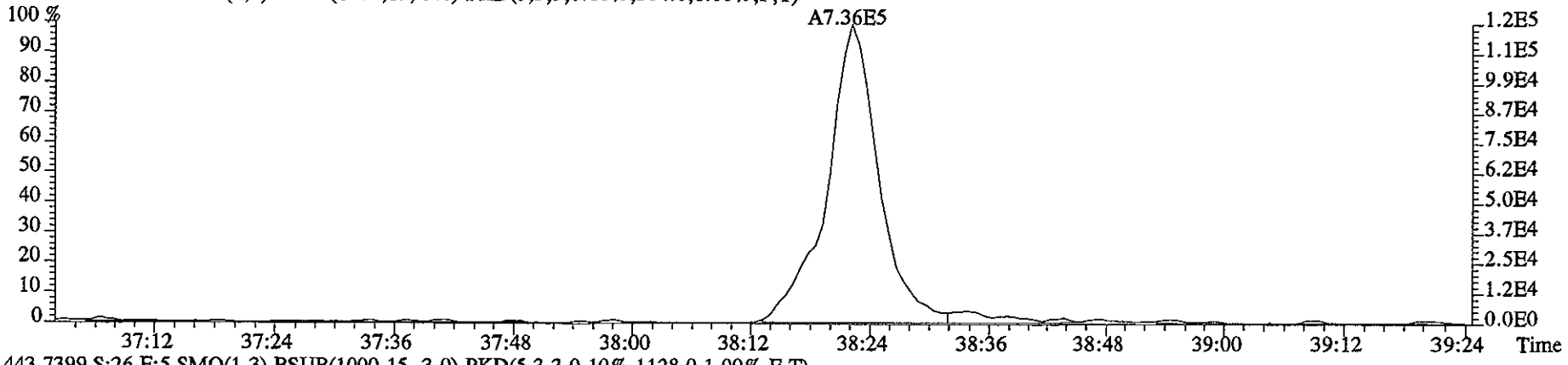




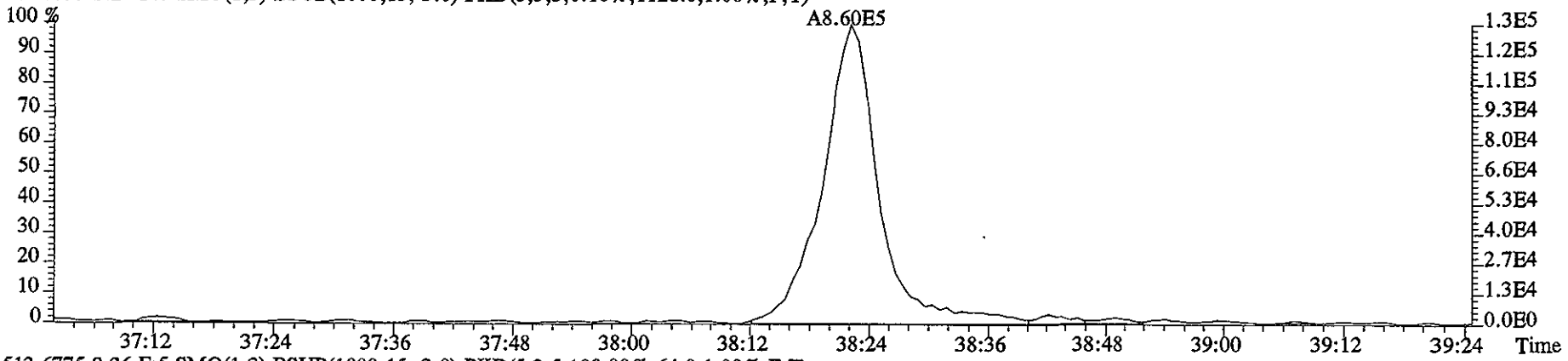




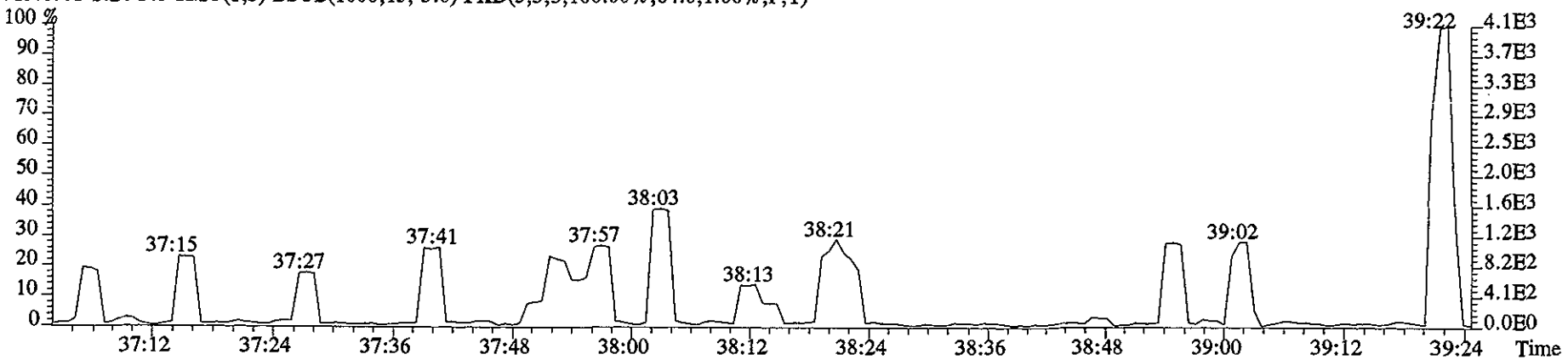
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES
441.7428 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,504.0,1.00%,F,T)



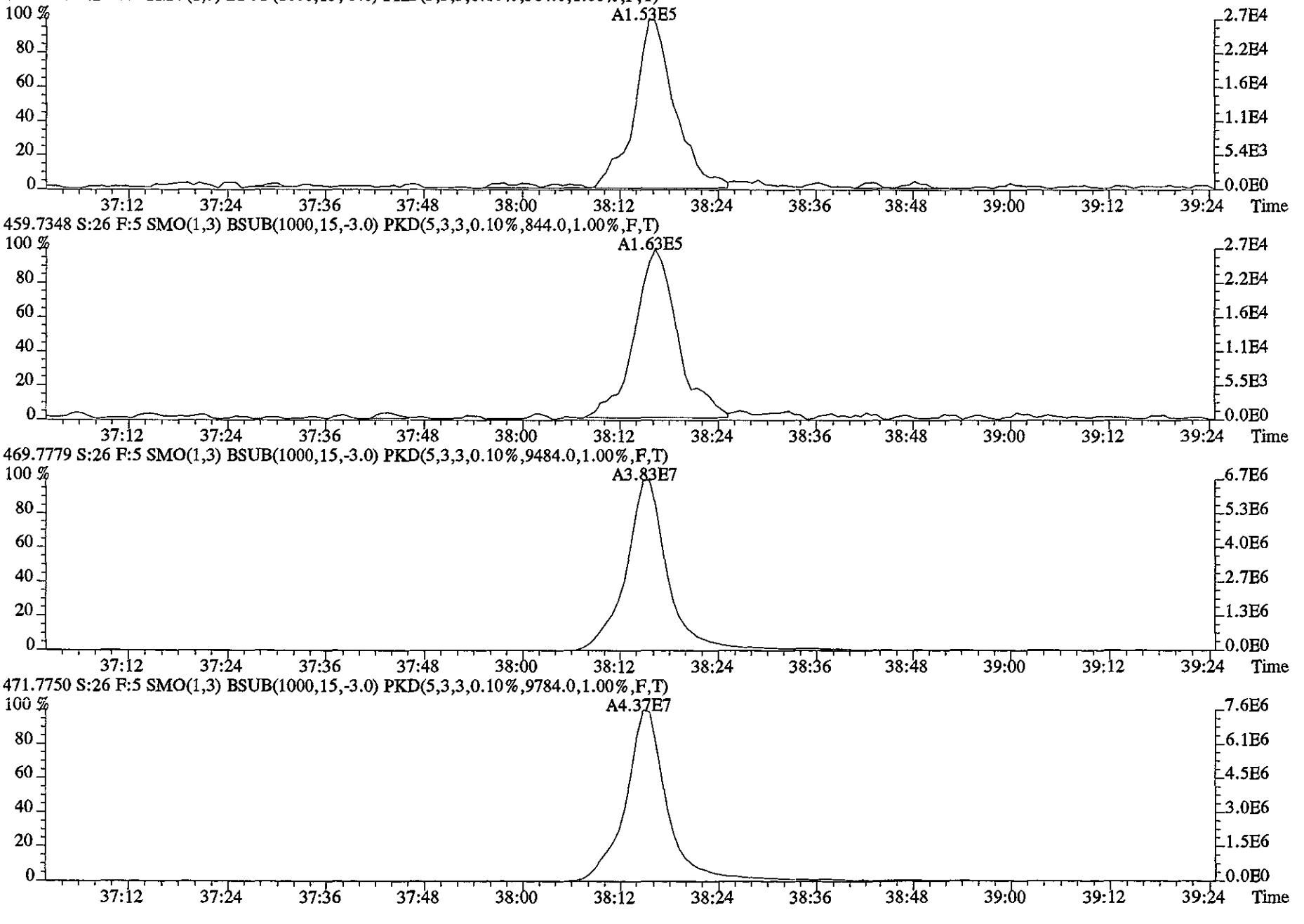
443.7399 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1128.0,1.00%,F,T)



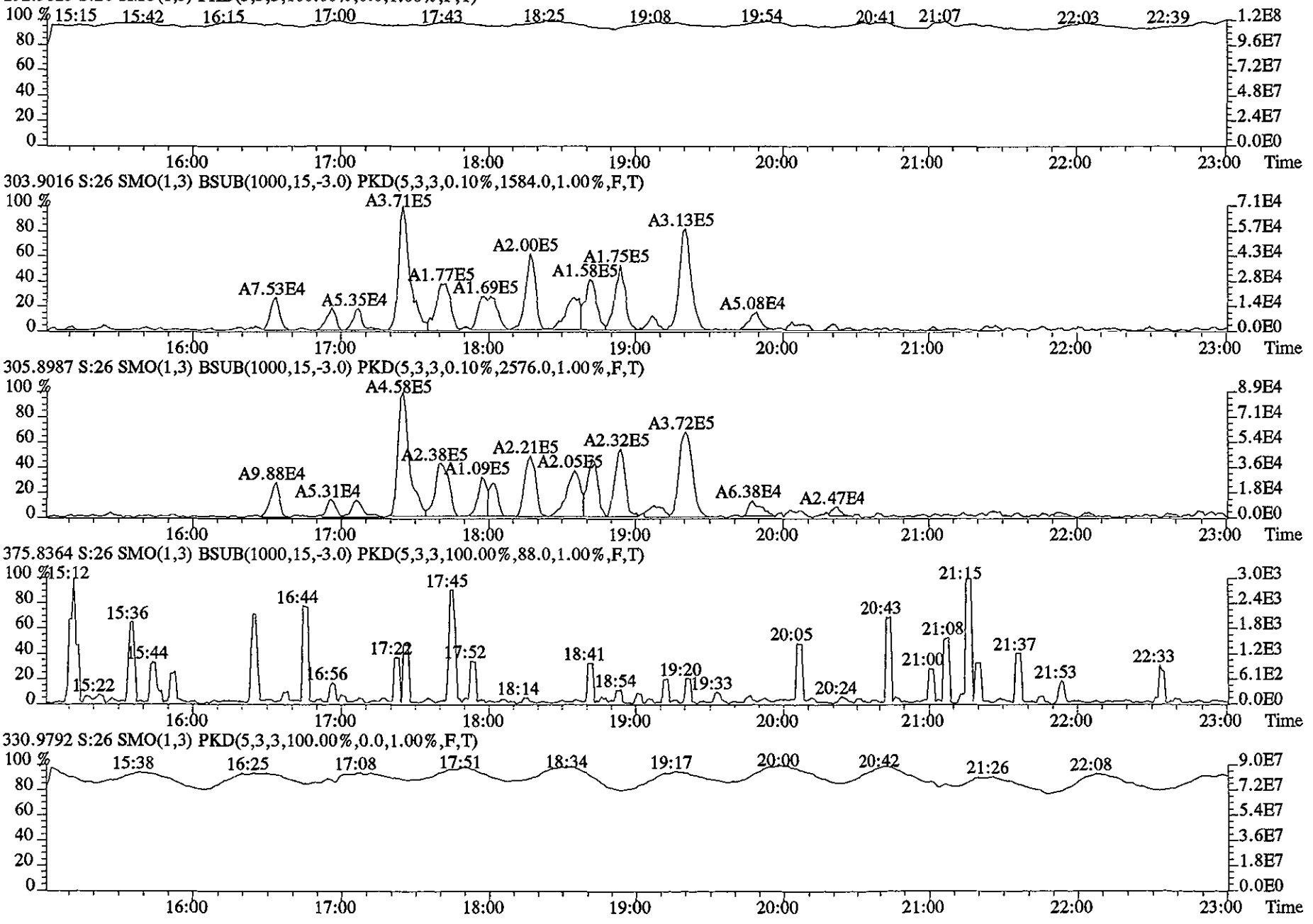
513.6775 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,64.0,1.00%,F,T)



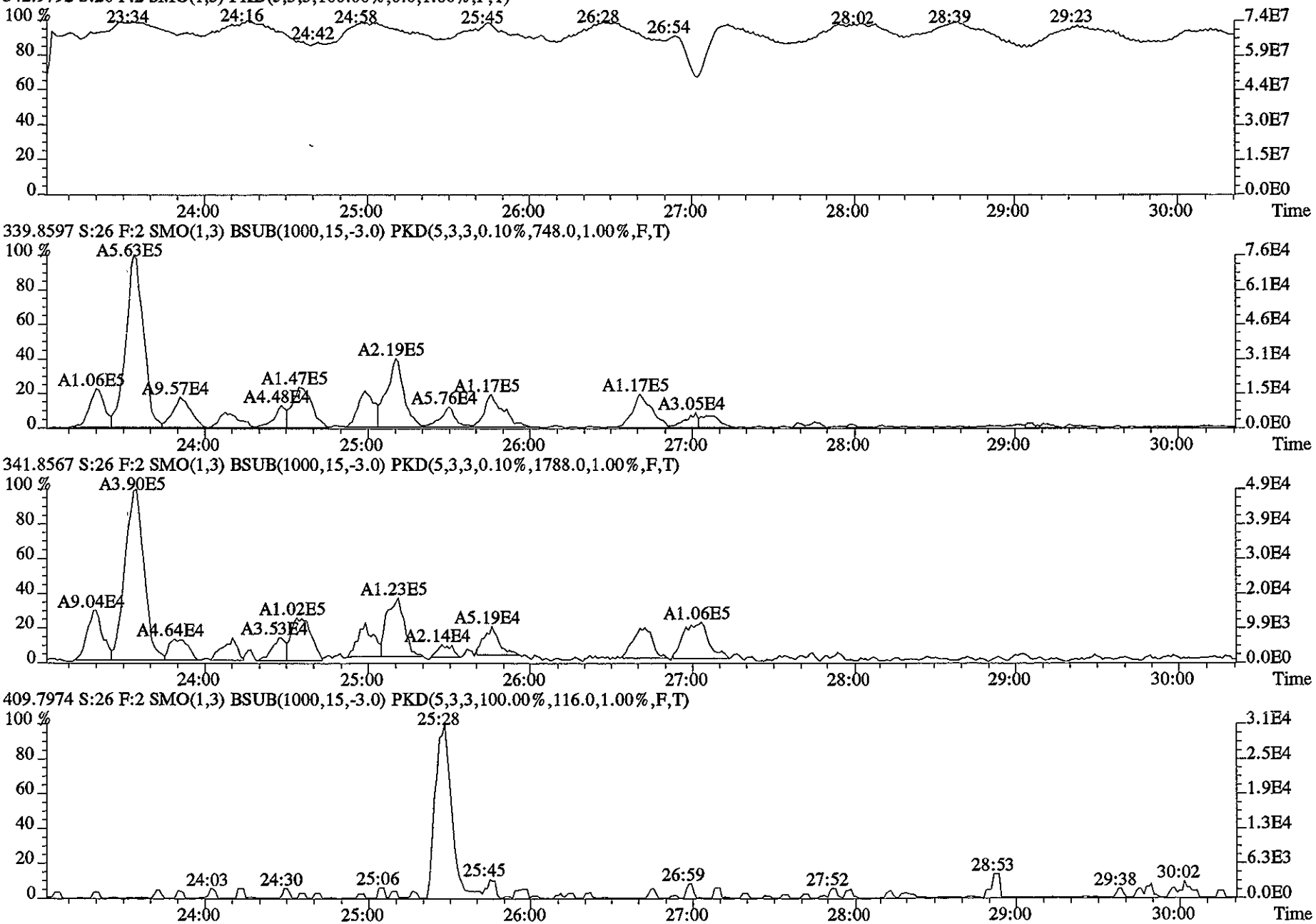
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES



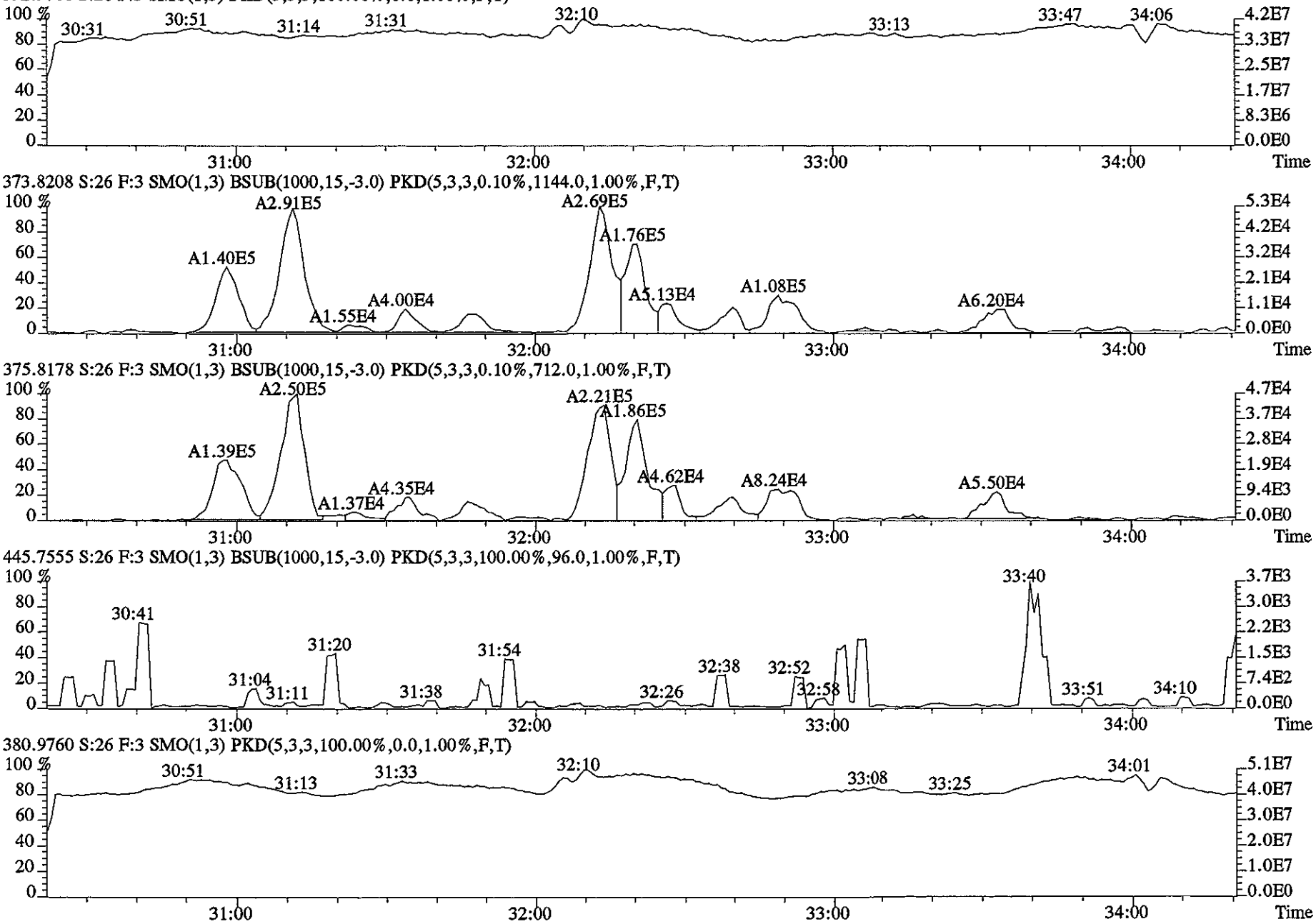
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES



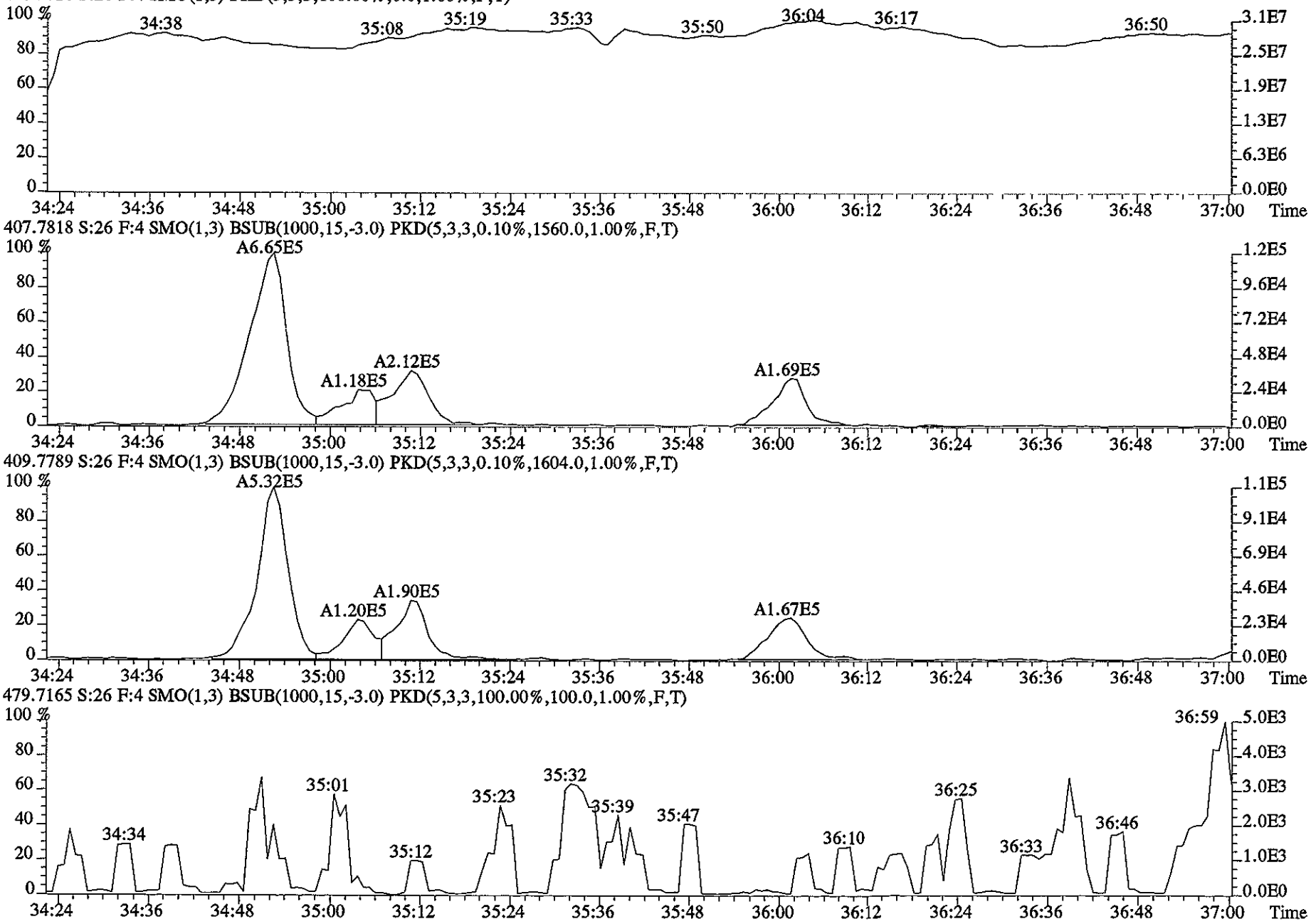
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES



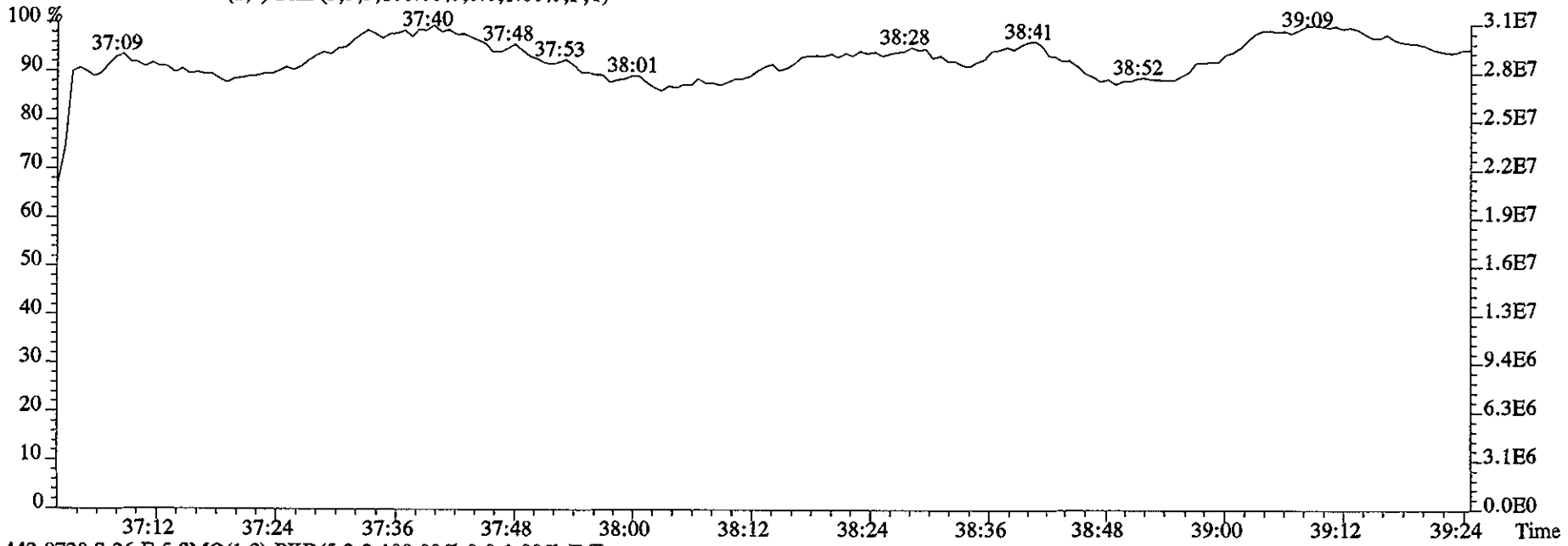
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES



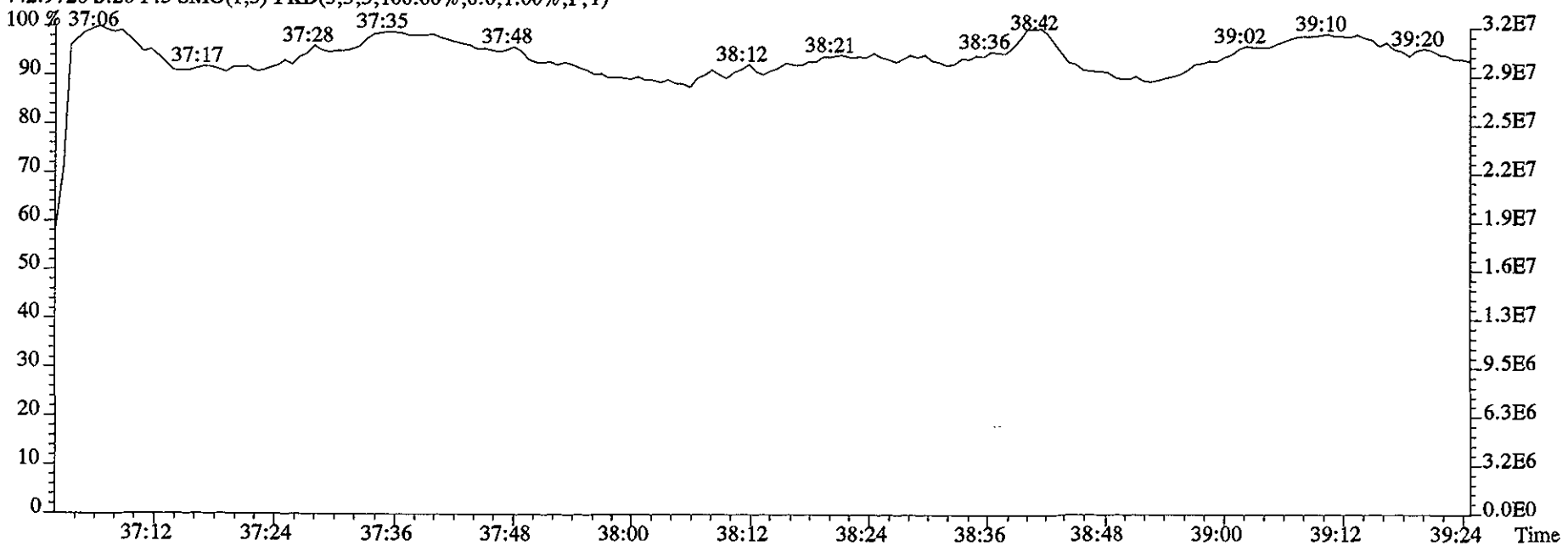
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 05:47:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#26 Text:L6K60-1-AA :G0I040476-4 Exp:DIOXINRES
454.9728 S:26 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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



L6K6/1AA

Run text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5
Run #12 Filename: 13SE10A4D5 S: 27 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 06:31:40 Processed: 14-SEP-10 10:03:25
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 sam

AK 9/16/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	139157600	0.78	y	19:54	-	83.330	-	-	n
13C-2,3,7,8-TCDF	144975000	0.79	y	19:18	1.23	3389.793	2.777	84.7	n
2,3,7,8-TCDF	77419	1.02	n	19:20	0.99	2.148 EMPC	1.496	-	n
Total TCDF	296329	0.80	y	17:24	0.99	~~8.221~~	~~1.496~~ 2.15	-	n
13C-2,3,7,8-TCDD	101832900	0.77	y	20:06	0.91	3234.193	5.790	80.9	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.98	*	1.629	-	n
Total TCDD	6256	1.64	n	19:08	0.98	~~0.250~~	1.629	-	n
37Cl-2,3,7,8-TCDD	92948400	1.00	y	20:08	1.33	2753.261	2.746 ↑	172.1	n
13C-1,2,3,7,8-PeCDF	100046300	1.57	y	25:08	0.88	3282.656	6.480	82.1	n
1,2,3,7,8-PeCDF	27847	1.55	y	25:08	1.08	~~1.034~~	1.779	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.05	*	1.832	-	n
Total F2 PeCDF	186011	1.40	y	23:35	1.06	~~6.994~~ 3.87	1.806	-	n
Total F1 PeCDF	90309	0.21	n	16:49	1.06	~~3.403~~	1.354	-	n
13C-1,2,3,7,8-PeCDD	64958800	1.58	y	27:32	0.66	2825.561	2.922	70.6	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.93	*	2.418	-	n
Total PeCDD	169634	1.58	y	23:43	0.93	~~11.287~~	~~2.418~~ 4.71 ✓	-	n
13C-1,2,3,7,8,9-HxCDD	75252300	1.29	y	33:20	-	63.558	9/16/10 jmm -	-	n
13C-1,2,3,4,7,8-HxCDF	59348200	0.50	y	32:13	1.04	3019.397	3.609	75.5	n
1,2,3,4,7,8-HxCDF	72430	1.47	n	32:13	1.22	4.010 JQ	0.707	-	n
1,2,3,6,7,8-HxCDF	41461	0.88	n	32:20	1.28	2.180 ↓	0.671	-	n
2,3,4,6,7,8-HxCDF	23804	1.31	y	32:53	1.23	1.301 EMPC	0.698	-	n
1,2,3,7,8,9-HxCDF	12623	0.68	n	33:31	1.10	~~0.776~~	0.784	-	n
Total HxCDF	264480	0.54	n	30:56	1.21	~~14.638~~ 10.16	0.713	-	n
13C-1,2,3,6,7,8-HxCDD	50414400	1.28	y	33:04	0.83	3225.545	0.231	80.6	n
1,2,3,4,7,8-HxCDD	9894	0.46	n	33:04	1.04	~~0.757~~	1.636	-	n
1,2,3,6,7,8-HxCDD	9894	0.46	n	33:04	1.16	~~0.675~~	1.459	-	n
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.18	*	1.436	-	n
Total HxCDD	94682	1.02	n	31:42	1.13	~~6.643~~	~~1.505~~ 2.03 ✓	-	n
13C-1,2,3,4,6,7,8-HpCDF	55109000	0.44	y	34:52	0.91	3218.923	9/16/10 mc 26.017	80.5	n
1,2,3,4,6,7,8-HpCDF	182881	2.00	n	34:49	1.35	9.864	1.346	-	n
1,2,3,4,7,8,9-HpCDF	45261	0.66	n	36:02	1.09	3.004	1.657	-	n
Total HpCDF	300060	2.00	n	34:49	1.22	~~17.148~~ 5.486	1.486	-	n
13C-1,2,3,4,6,7,8-HpCDD	53119600	1.06	y	35:41	0.83	3415.832	5.644	85.4	n
1,2,3,4,6,7,8-HpCDD	67306	1.22	n	35:42	1.07	4.729 JQ	2.091	-	n
Total HpCDD	170194	1.60	n	35:07	1.07	~~11.959~~ 9.85	2.091	-	n
13C-OCDD	74011000	0.87	y	38:16	0.62	6346.234	8.795	79.3	n
OCDF	245503	1.14	n	38:23	1.37	19.366 JQ	2.049	-	n
OCDD	328068	0.78	y	38:16	1.20	29.568 J	1.455	-	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:6
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	4.11 of which	1.07 named and	3.04 unnamed
Conc:	8.22 of which	2.15 named and	6.07 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	17:24	0.80	y	1.88	30212	3.5	y	n
						37728	3.9	y	n
	2	17:37	1.29	n	0.73	19315	1.8	n	n
						14931	1.5	n	n
	3	18:19	0.42	n	0.85	13368	2.4	n	n
						32011	3.2	y	n
	4	18:54	0.76	y	1.87	29194	3.6	y	n
						38224	4.2	y	n
2,3,7,8-TCDF	5	19:20	1.02	n	2.15	44482	4.9	y	n
						43740	3.8	y	n
	6	20:21	0.39	n	0.73	11483	1.5	n	n
						29228	2.8	n	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:1
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	0.12 of which	* named and	0.12 unnamed
Conc:	0.25 of which	* named and	0.25 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	19:08	1.64	n	0.25	5784	1.3	n	n
						3535	1.2	n	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	3.50	of which	0.52	named and	2.98	unnamed			
Conc:	6.99	of which	1.03	named and	5.96	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:35	1.40	y	3.87	59921	13.6	y	n
						42853	3.5	y	n
	2	24:59	1.52	y	0.81	12945	4.5	y	n
						8516	1.2	n	n
1,2,3,7,8-PeCDF	3	25:08	1.55	y	1.03	16919	4.5	y	n
						10928	1.8	n	n
	4	25:51	1.33	y	0.49	7370	3.0	n	n
						5523	1.2	n	n
	5	26:59	0.19	n	0.79	12787	6.1	y	n
						67867	4.5	y	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:7
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	1.70	of which	*	named and	1.70	unnamed			
Conc:	3.40	of which	*	named and	3.40	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:49	0.21	n	0.10	1657	3.1	y	n
						7834	1.3	n	n
	2	16:59	0.21	n	0.61	9838	14.7	y	n
						45909	7.0	y	n
	3	17:29	0.48	n	0.16	2510	5.8	y	n
						5269	0.8	n	n
	4	20:52	0.32	n	0.14	2289	5.6	y	n
						7166	1.3	n	n
	5	21:06	0.30	n	0.90	14526	12.3	y	n
						48438	5.9	y	n
	6	21:34	0.46	n	0.18	2962	6.7	y	n
						6486	1.4	n	n
	7	21:48	1.89	n	1.31	25760	33.3	y	n
						13621	1.6	n	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:12
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	5.64	of which	* named and	5.64	unnamed
Conc:	11.29	of which	* named and	11.29	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:43	1.58	y	0.88	8113	1.5	n	n
						5144	8.0	y	n
	2	24:23	6.66	n	0.19	7351	1.6	n	n
						1103	2.1	n	n
	3	24:29	2.83	n	0.19	3125	0.9	n	n
						1103	2.1	n	n
	4	25:35	0.81	n	1.95	17853	4.5	y	n
						22121	28.6	y	n
	5	26:10	4.34	n	0.23	5763	1.5	n	n
						1327	3.4	y	n
	6	26:17	3.28	n	0.23	4347	1.3	n	n
						1327	3.4	y	n
	7	26:22	3.14	n	0.72	13372	2.5	n	n
						4254	7.5	y	n
	8	26:28	2.12	n	0.53	6622	1.7	n	n
						3117	6.8	y	n
	9	26:37	1.63	y	0.97	9044	1.5	n	n
						5532	13.5	y	n
	10	26:59	5.67	n	4.71	157471	16.7	y	n
						27764	41.3	y	n
	11	28:45	6.17	n	0.15	5437	1.3	n	n
						881	2.2	n	n
	12	30:14	0.67	n	0.55	4983	1.1	n	n
						7401	13.8	y	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:10
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	7.32	of which	4.13 named and	3.19	unnamed

Conc: 14.64 of which 8.27 named and 6.37 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:56	0.54	n	1.10	10930	3.1	y	n
						20412	39.5	y	n
	2	31:10	1.29	y	3.97	40142	6.9	y	n
						31023	54.2	y	n
	3	31:47	1.82	n	0.47	6828	2.7	n	n
						3750	12.4	y	n
1,2,3,4,7,8-HxCDF	4	32:13	1.47	n	4.01	47592	9.7	y	n
						32335	70.0	y	n
1,2,3,6,7,8-HxCDF	5	32:20	0.88	n	2.18	22951	6.9	y	n
						25957	70.3	y	n
	6	32:26	8.21	n	0.23	14858	3.3	y	n
						1809	6.9	y	n
	7	32:36	3.36	n	0.30	7949	1.8	n	n
						2368	8.1	y	n
2,3,4,6,7,8-HxCDF	8	32:53	1.31	y	1.30	13508	2.7	n	n
						10295	28.1	y	n
1,2,3,7,8,9-HxCDF	9	33:31	0.68	n	0.77	6988	3.0	n	n
						10352	34.6	y	n
	10	33:45	1.58	n	0.31	3879	1.6	n	n
						2454	6.2	y	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:6
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	3.32 of which	0.34 named and	2.98 unnamed
Conc:	6.64 of which	0.68 named and	5.97 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:42	1.02	n	0.96	7545	1.7	n	n
						7401	2.4	n	n
	2	32:12	1.30	y	2.03 ✓	16274	3.9	y	n
						12526	2.5	n	n
	3	32:29	0.85	n	1.03	8126	2.1	n	n
						9600	2.0	n	n
	4	32:51	1.70	n	1.06	11390	3.7	y	n
						6717	2.6	n	n
1,2,3,6,7,8-HxCDD	5	33:04	0.46	n	0.68	5477	2.0	n	n
						11862	3.8	y	n
	6	33:30	1.22	y	0.89	6946	2.4	n	n
						5688	1.5	n	n

Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	8.57 of which	6.43 named and	2.14 unnamed
Conc:	17.15 of which	12.87 named and	4.28 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:49	2.00	n	9.86	179621	23.7	y	n
						89648	26.8	y	n
	2	35:04	0.69	n	1.27	10872	3.3	y	n
						15785	6.7	y	n
	3	35:11	1.24	n	3.01	30776	6.8	y	n
						24800	8.6	y	n
1,2,3,4,7,8,9-HpCDF	4	36:02	0.66	n	3.00	23074	5.3	y	n
						34842	10.1	y	n

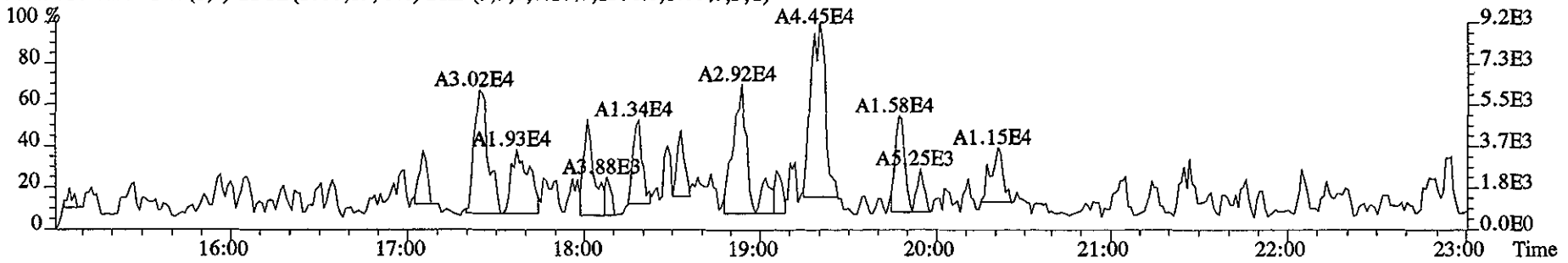
Run Text: L6K60-1-AA Sample text: L6K60-1-AA :G0I040476-5

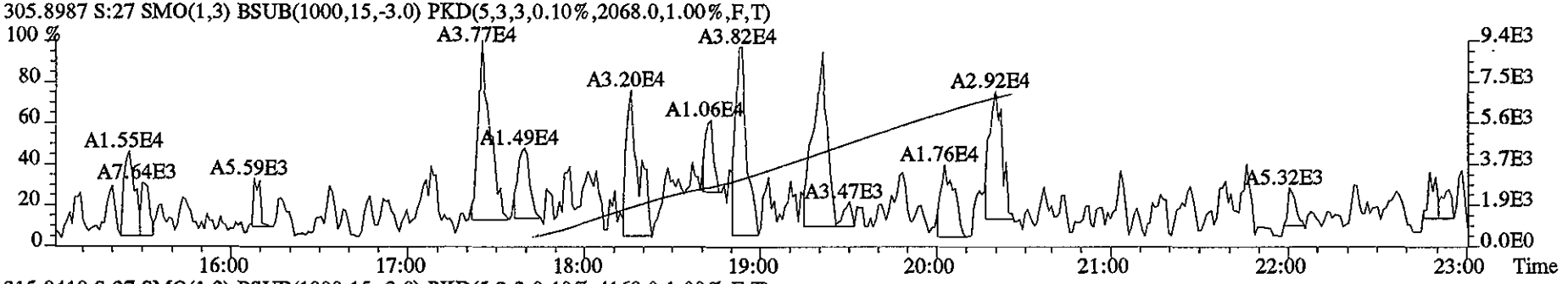
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:5
Run: 12 File: 13SE10A4D5 S:27 Acq:14-SEP-10 06:31:40
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

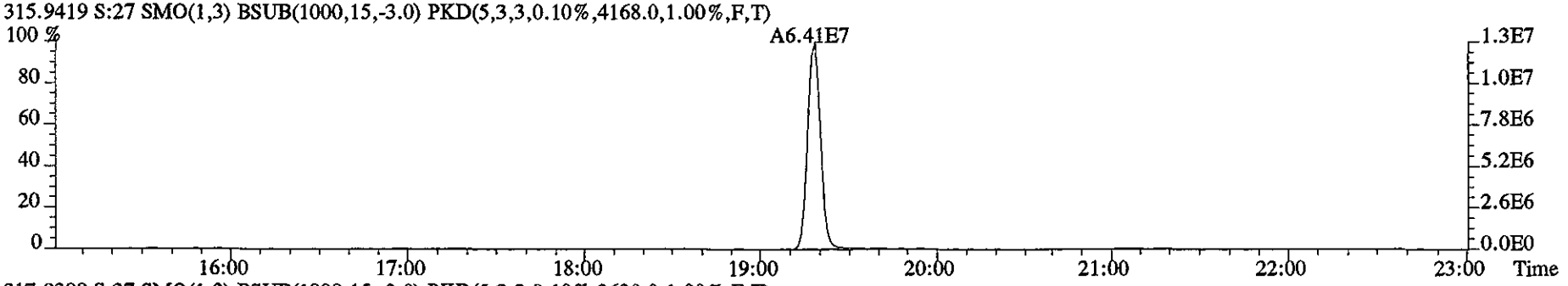
Amount:	5.98 of which	2.36 named and	3.61	unnamed
Conc:	11.96 of which	4.73 named and	7.23	unnamed

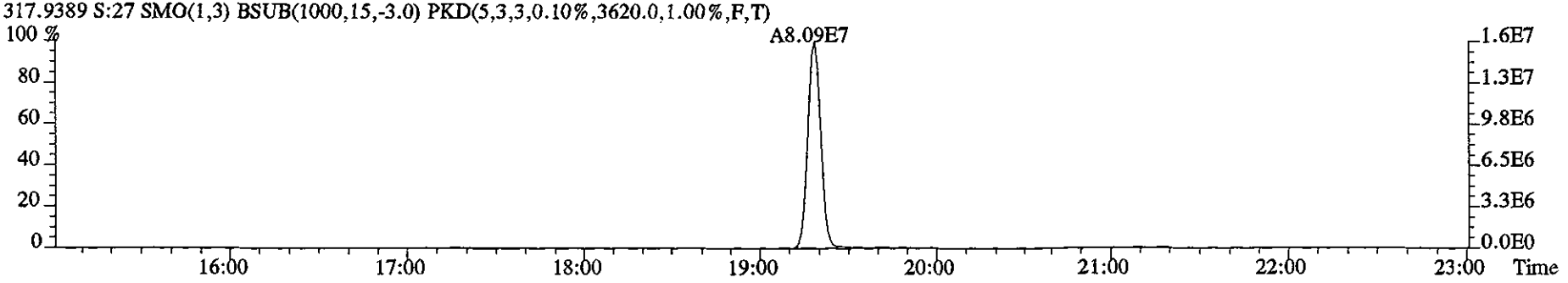
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	35:07	1.60	n	5.12	57316	11.7	y	n
						35712	9.3	y	n
	2	35:15	0.69	n	0.45	3239	1.0	n	n
						4705	2.0	n	n
	3	35:20	0.43	n	0.30	2183	0.9	n	n
						5039	1.2	n	n
1,2,3,4,6,7,8-HpCDD	4	35:42	1.22	n	4.73	40217	7.4	y	n
						32993	8.6	y	n
	5	35:59	1.54	n	1.36	14691	2.5	n	n
						9510	2.5	n	n

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

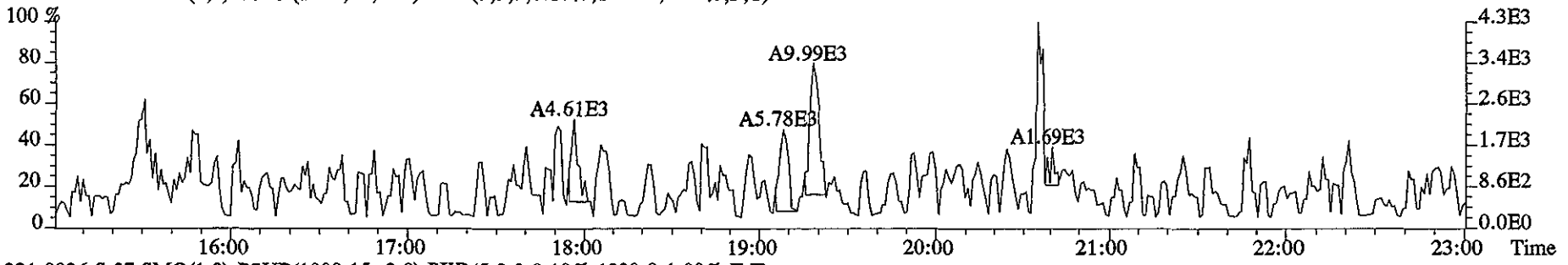


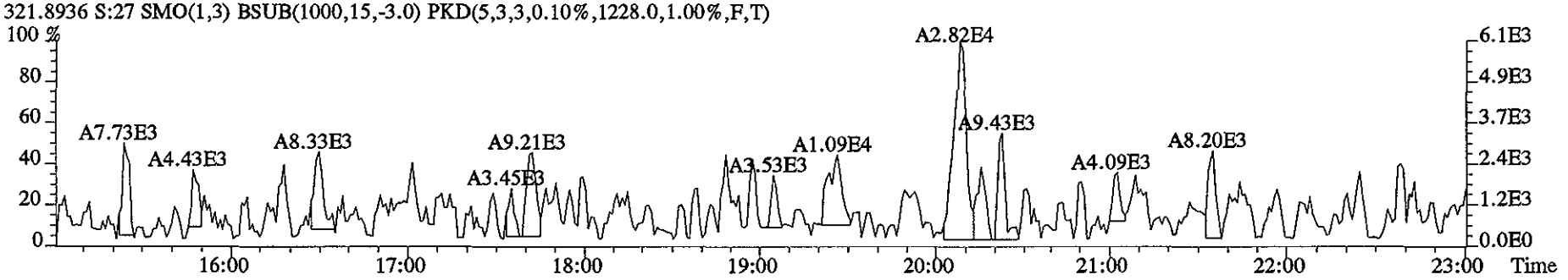


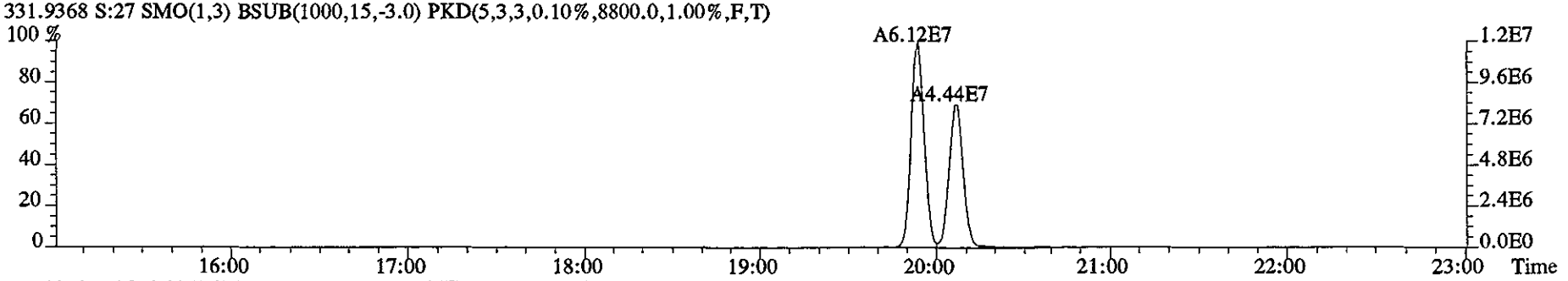


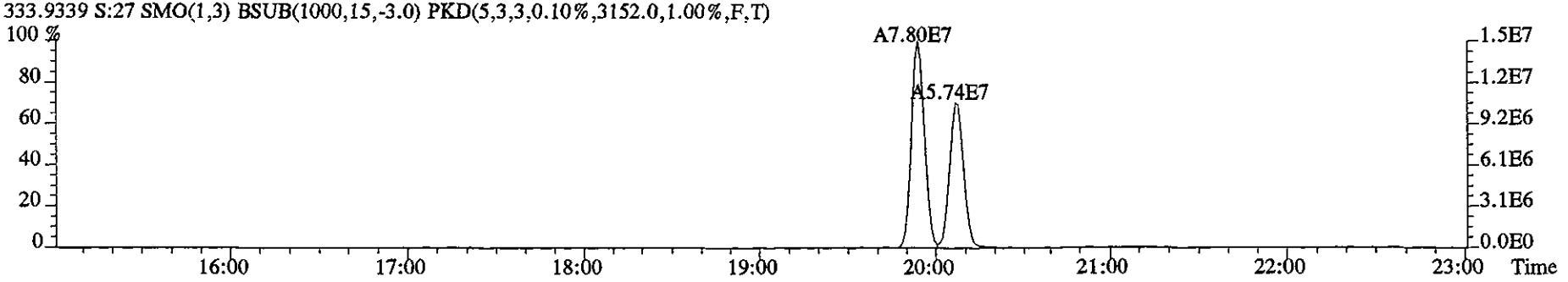


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES



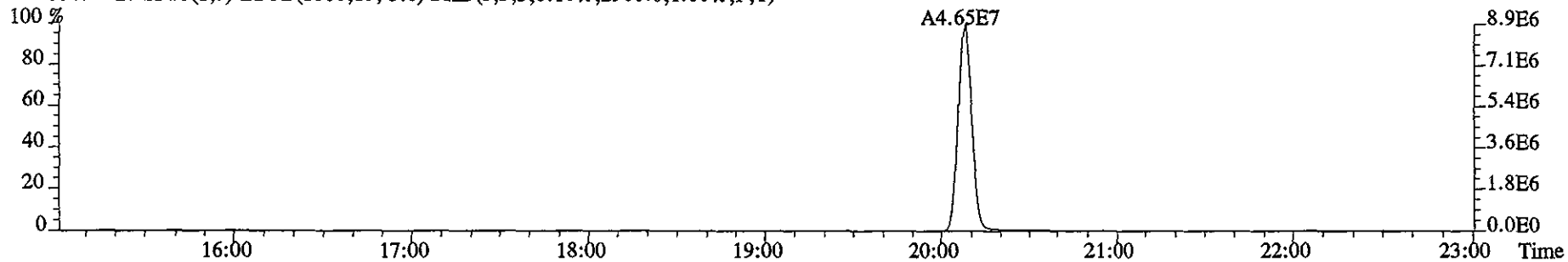




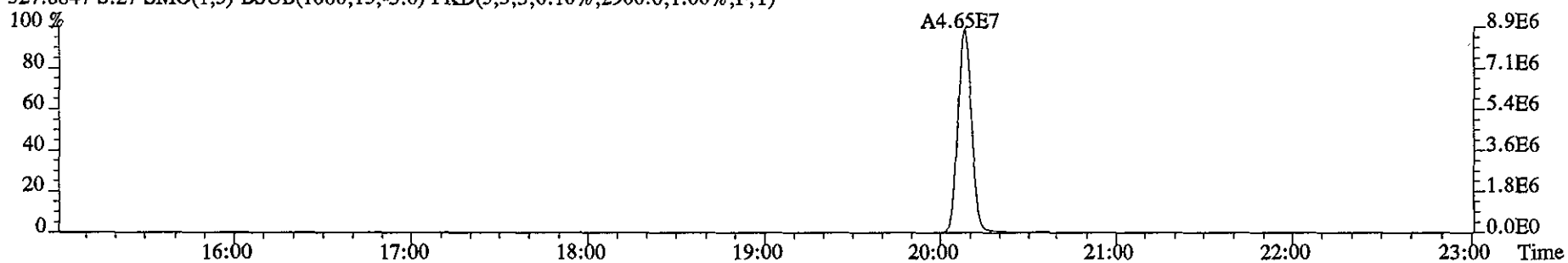


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

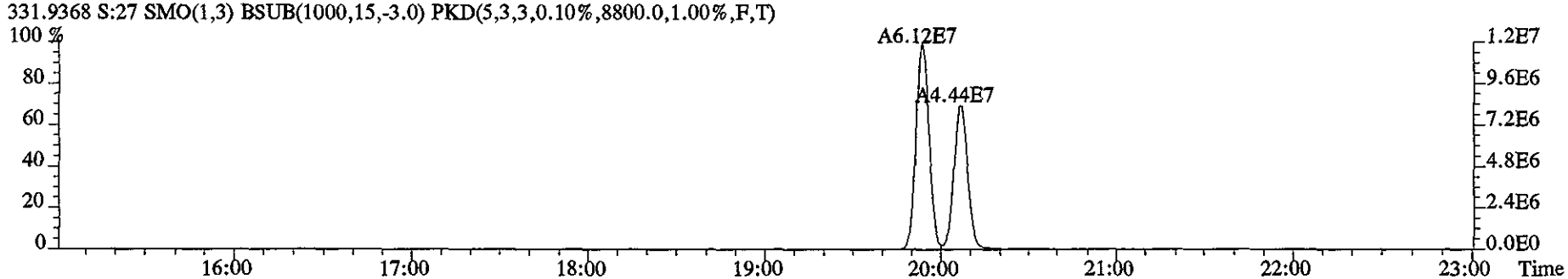
327.8847 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2900.0,1.00%,F,T)



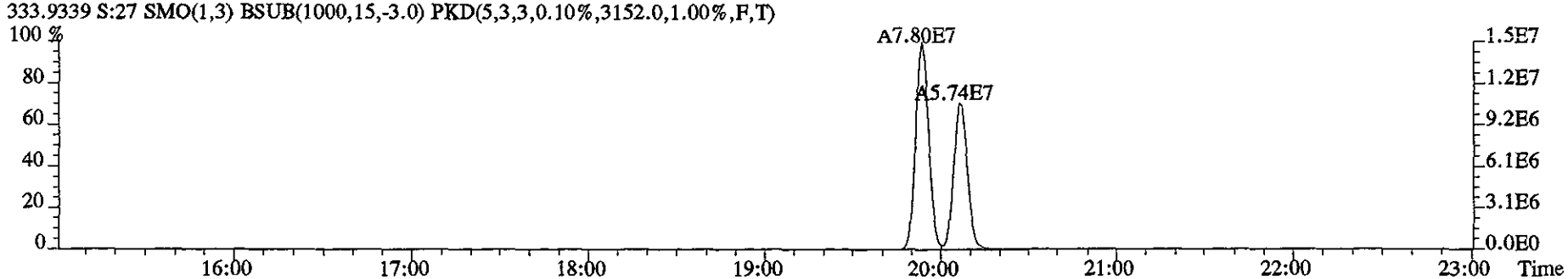
327.8847 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2900.0,1.00%,F,T)



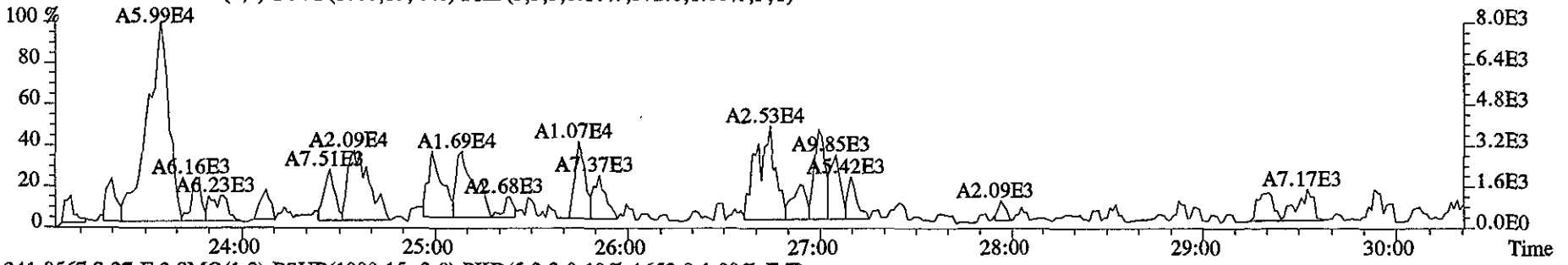
331.9368 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8800.0,1.00%,F,T)

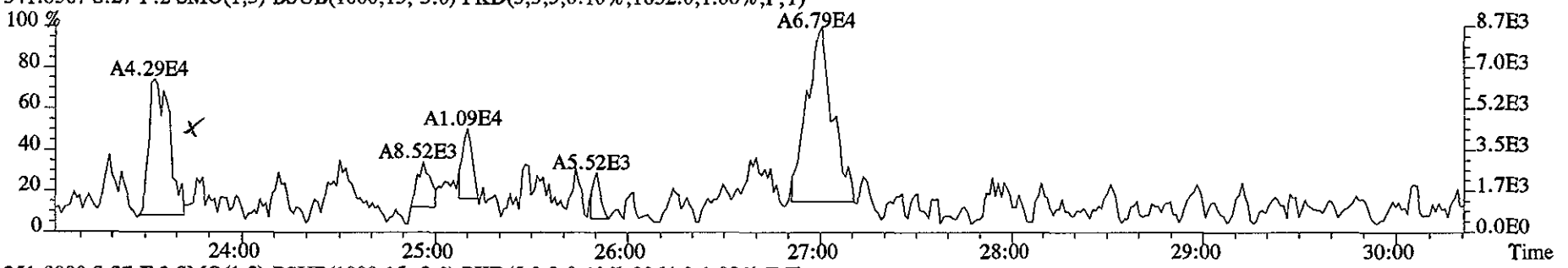


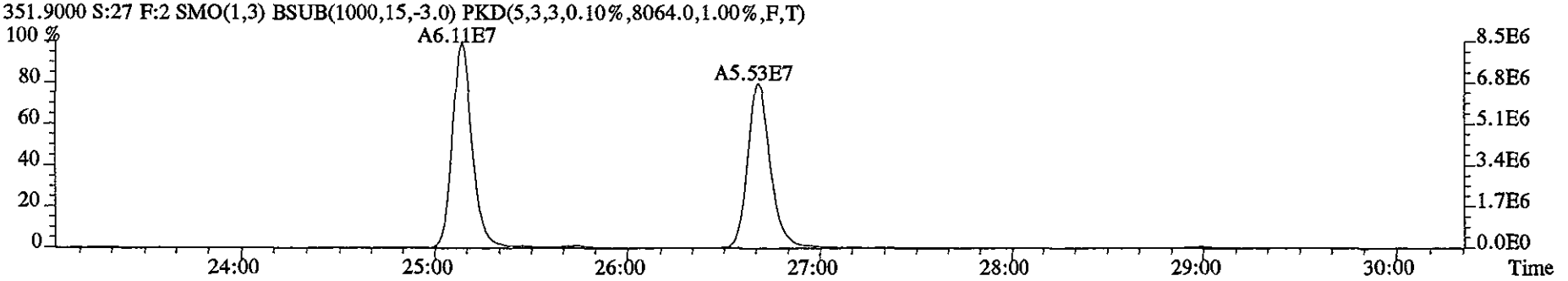
333.9339 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3152.0,1.00%,F,T)

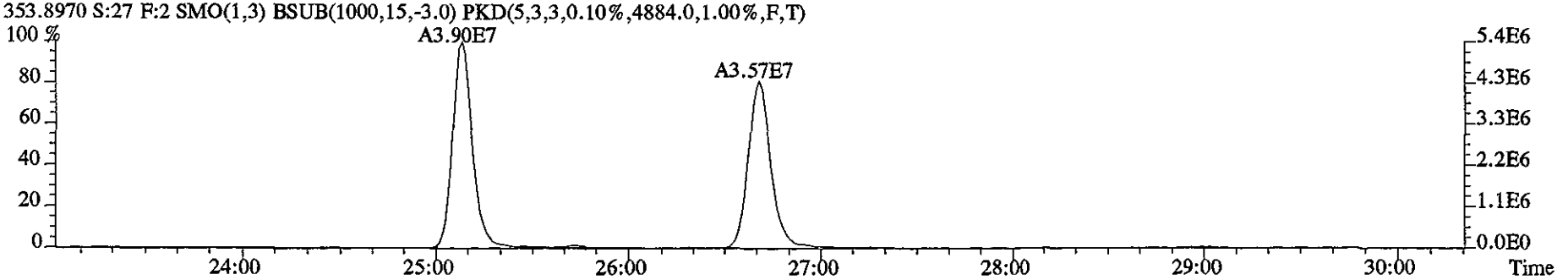


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

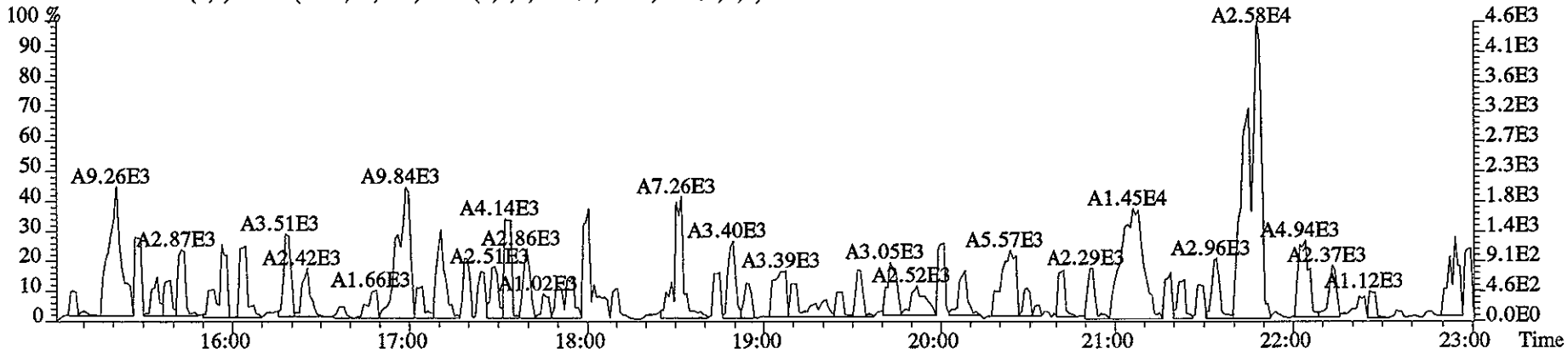




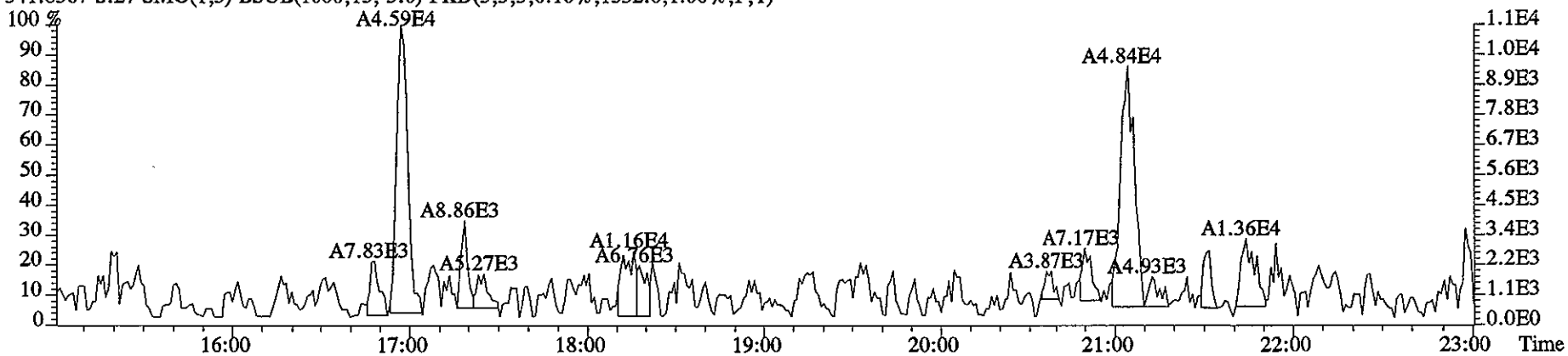




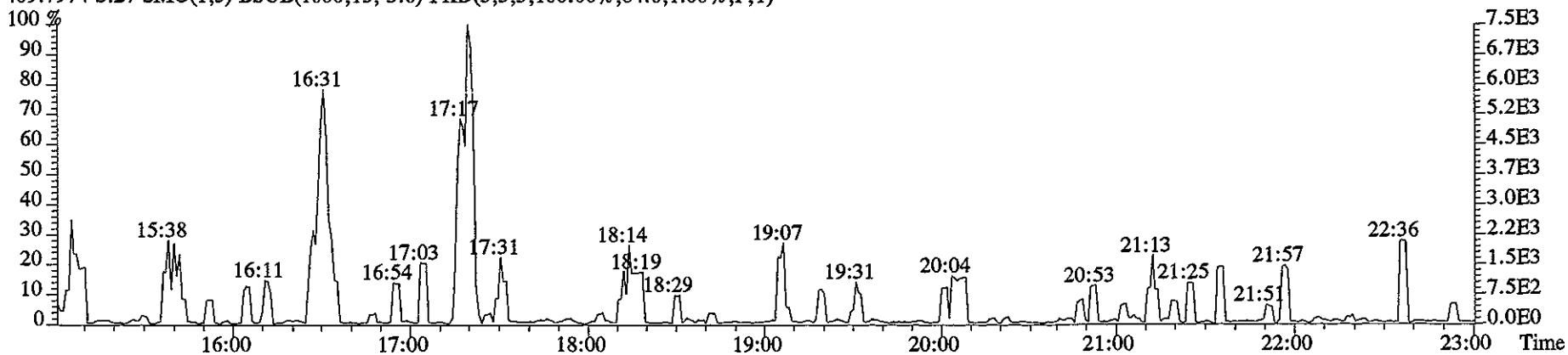
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES
339.8597 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



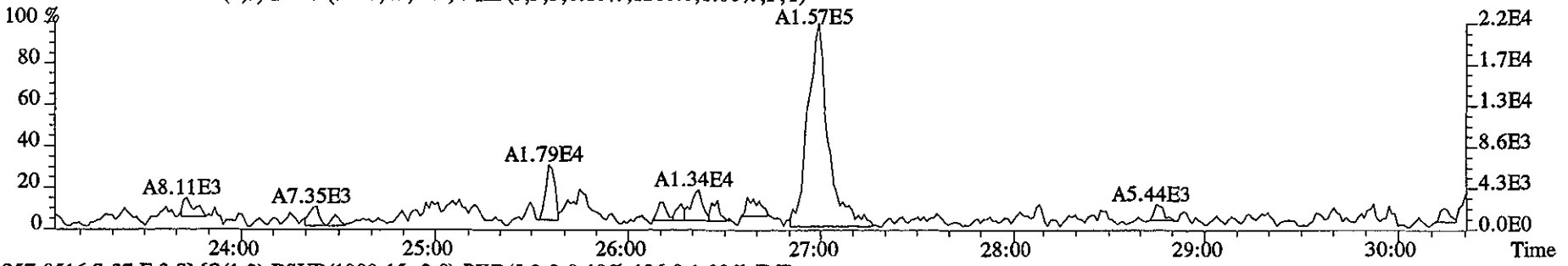
341.8567 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1532.0,1.00%,F,T)



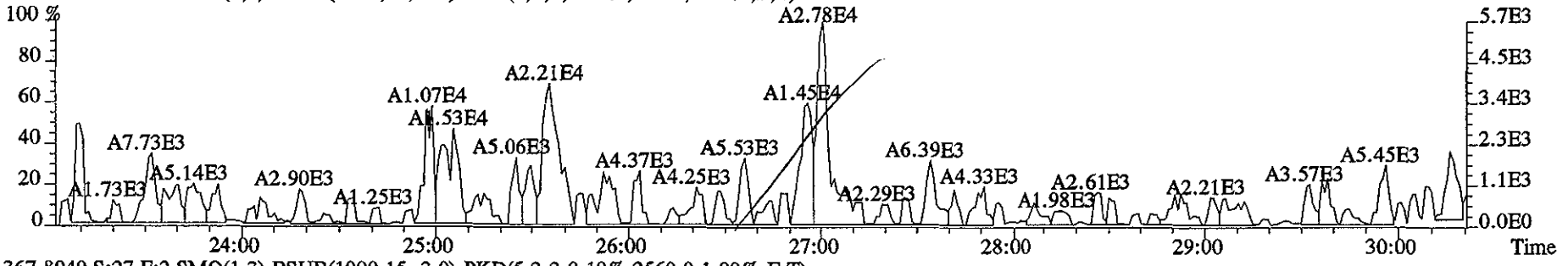
409.7974 S:27 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)



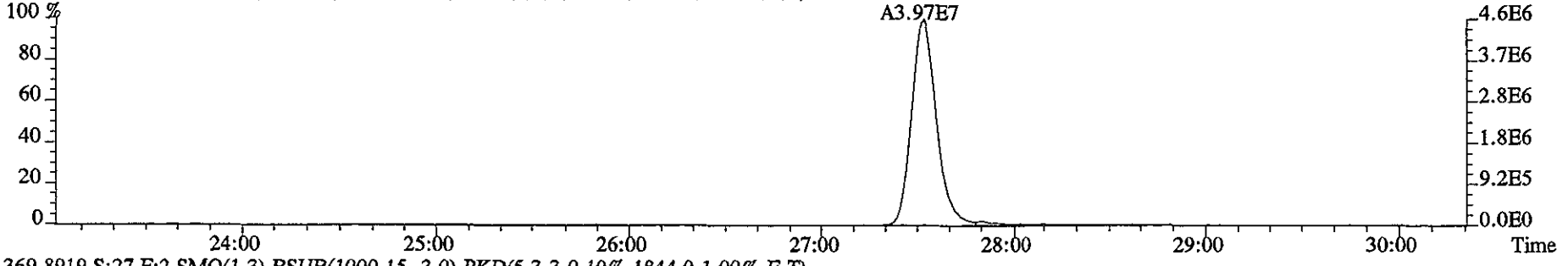
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES
355.8546 S:27 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1268.0,1.00%,F,T)



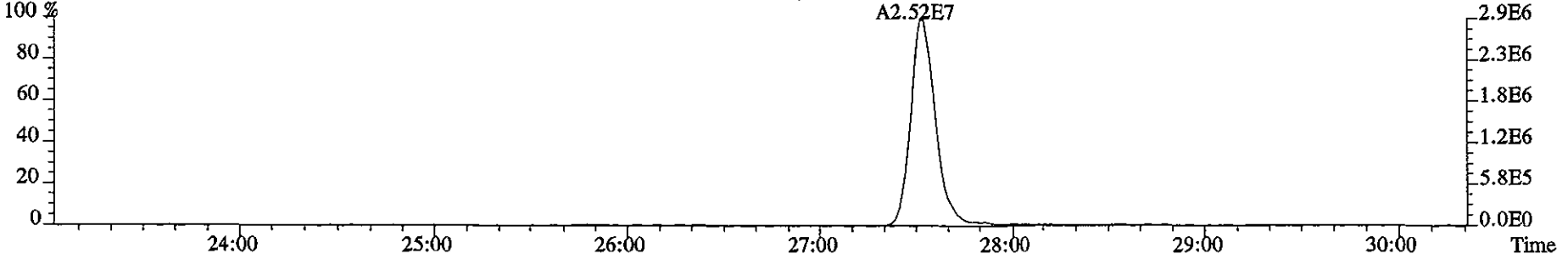
357.8516 S:27 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,136.0,1.00%,F,T)



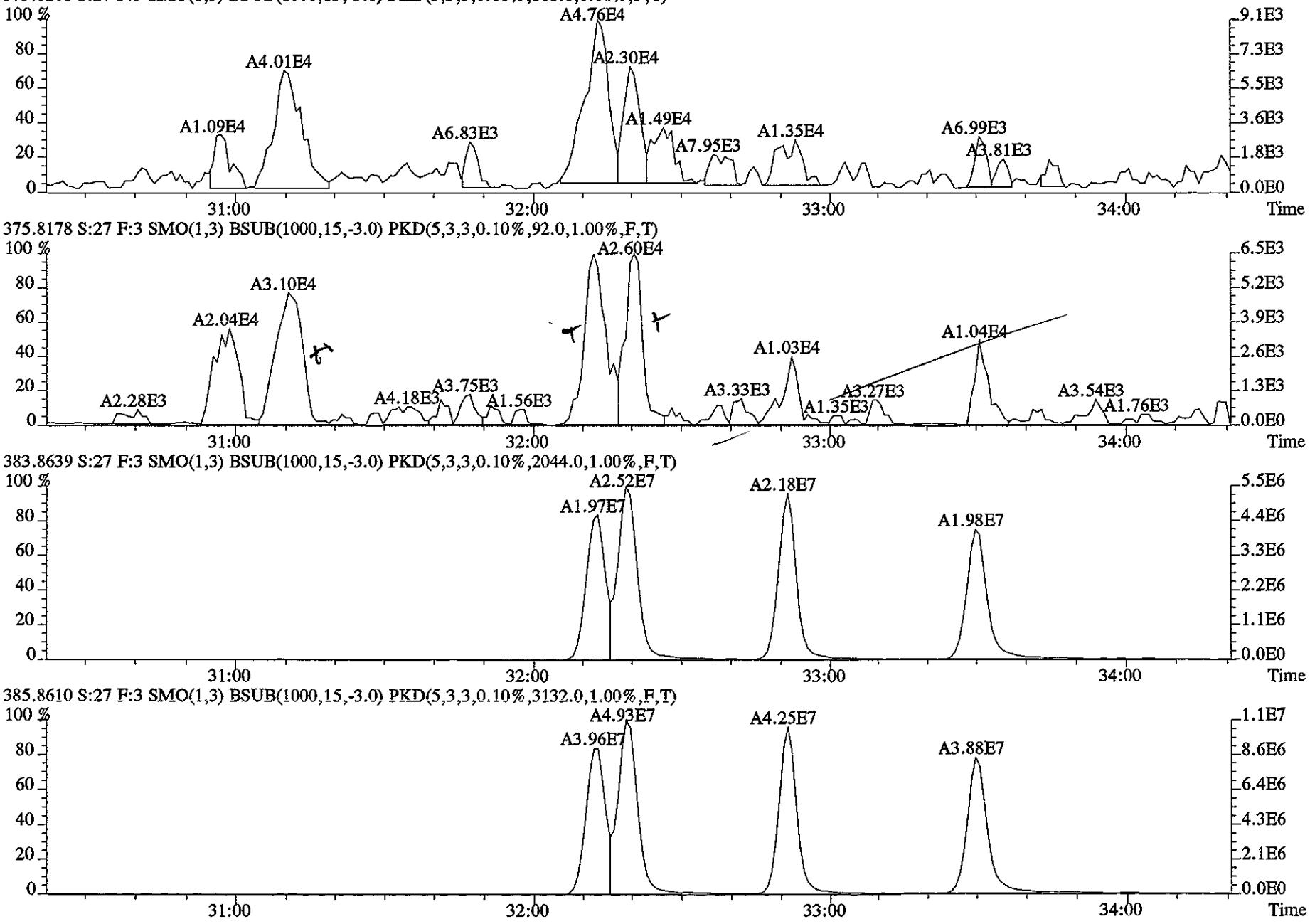
367.8949 S:27 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2560.0,1.00%,F,T)



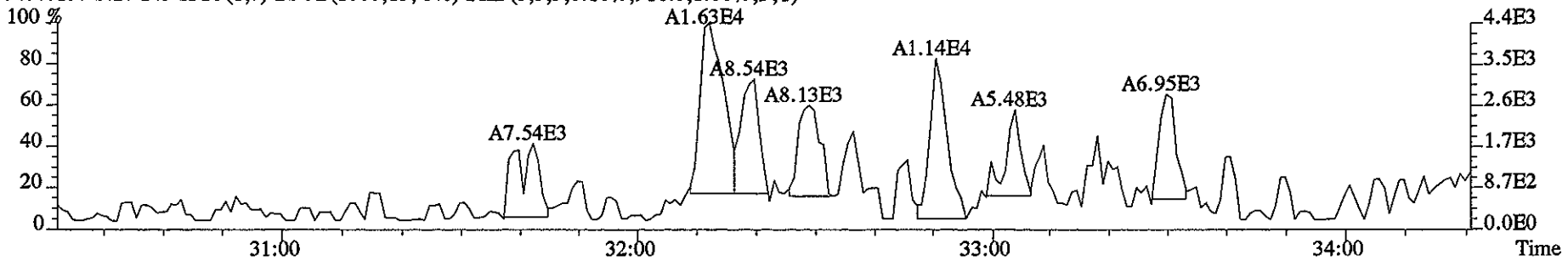
369.8919 S:27 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1844.0,1.00%,F,T)

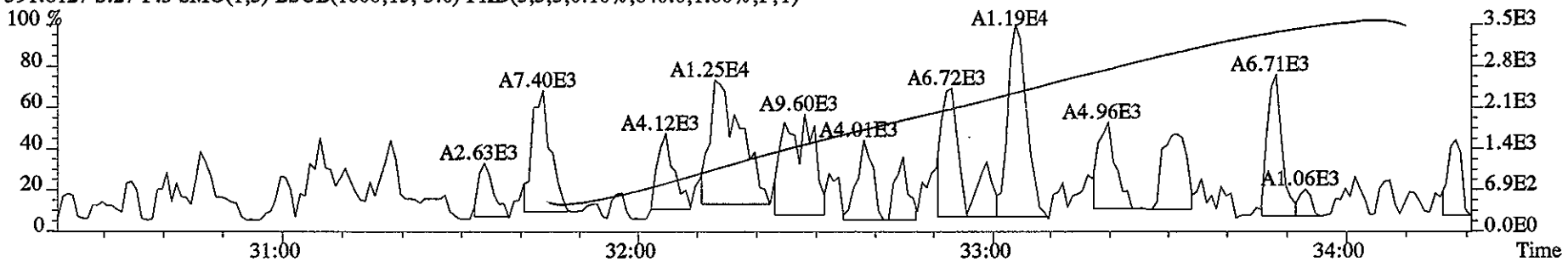


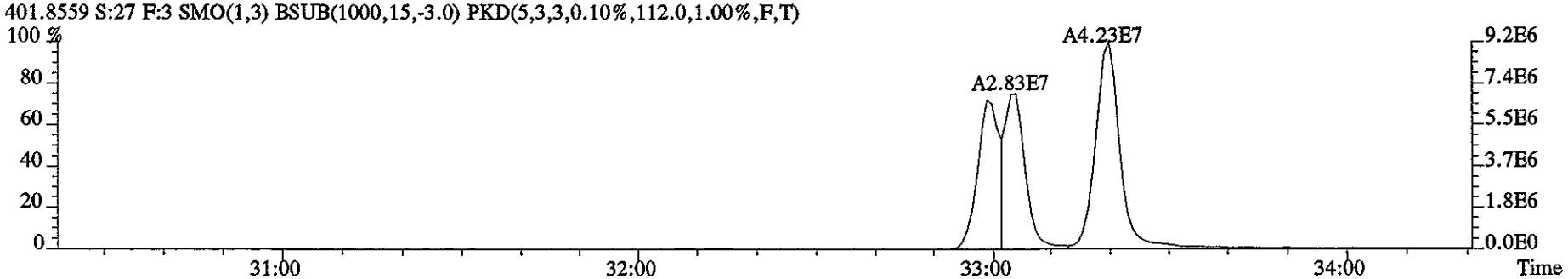
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

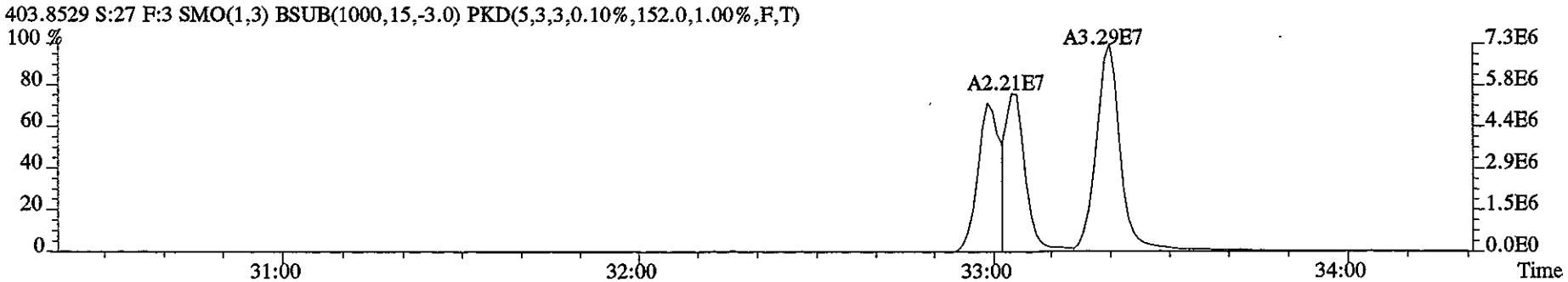


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

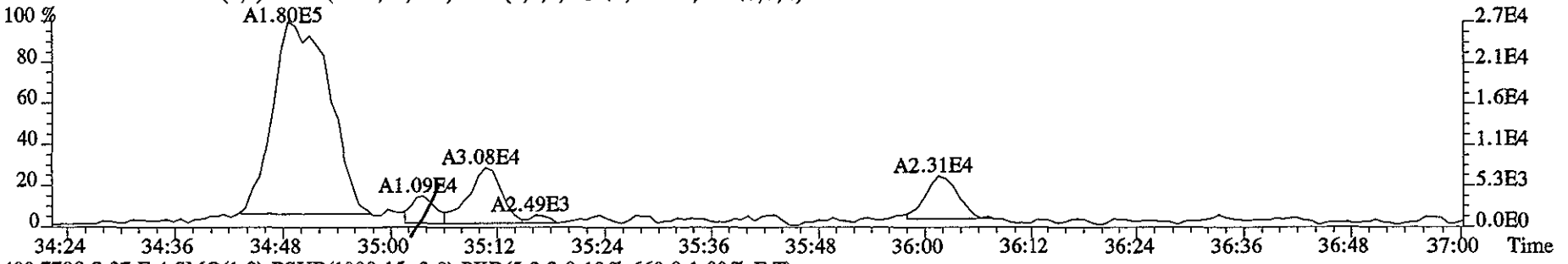


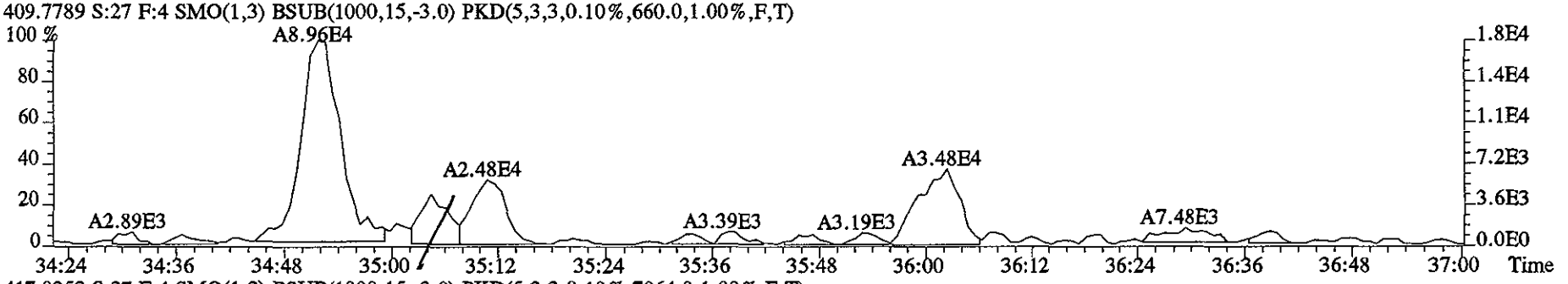


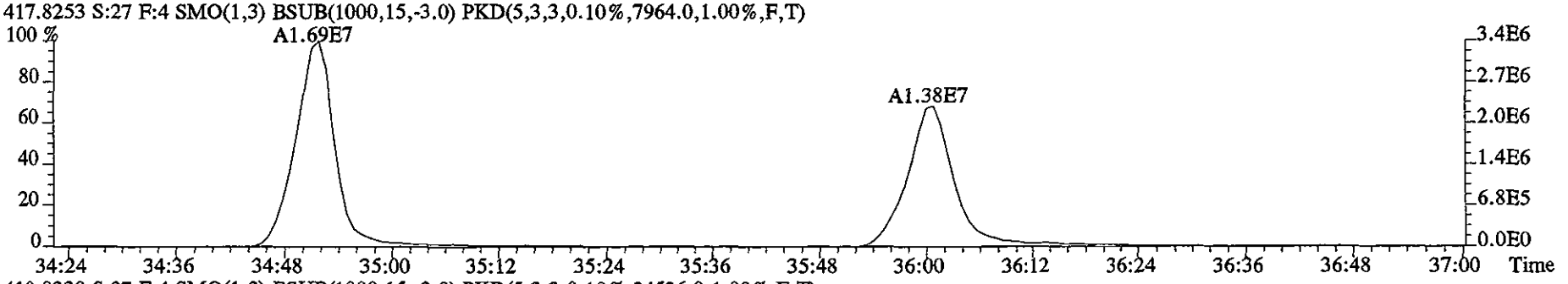


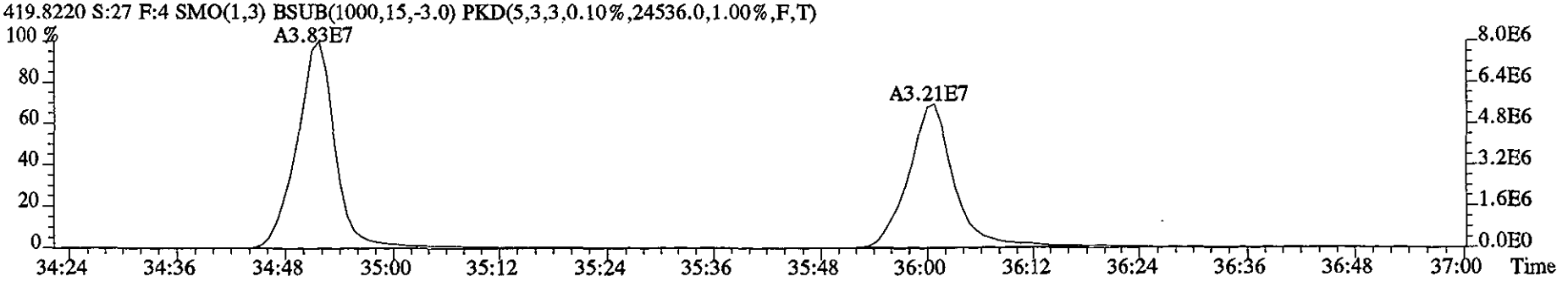


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

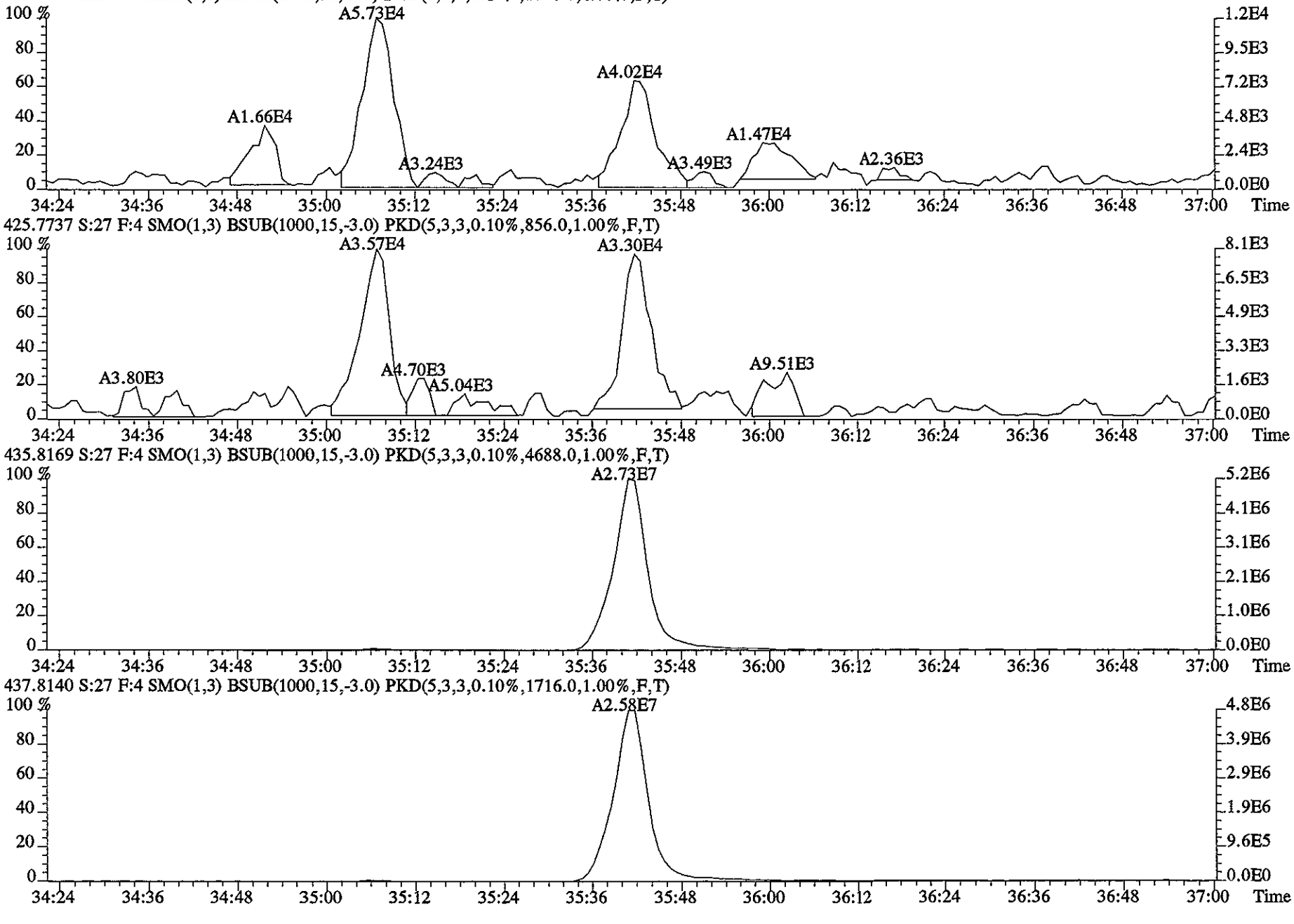




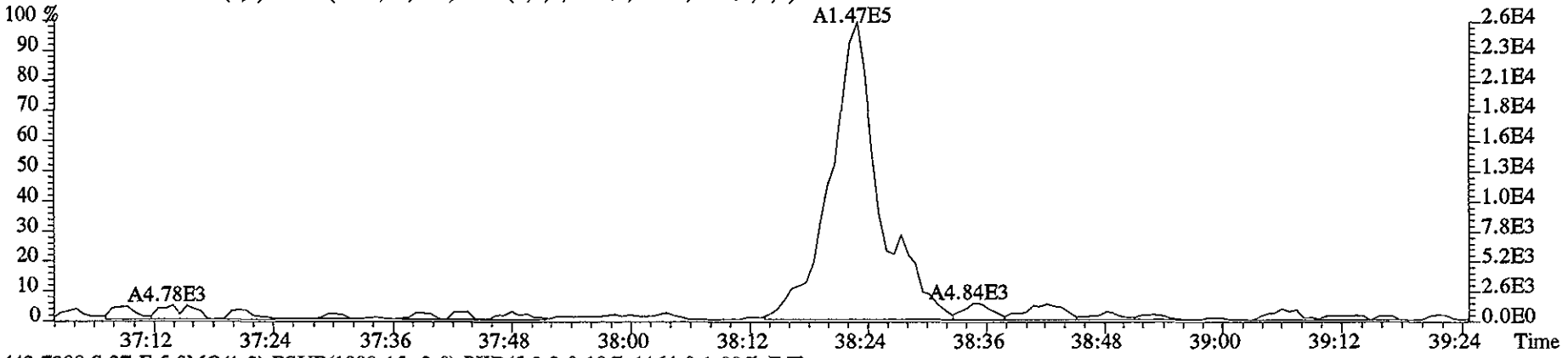




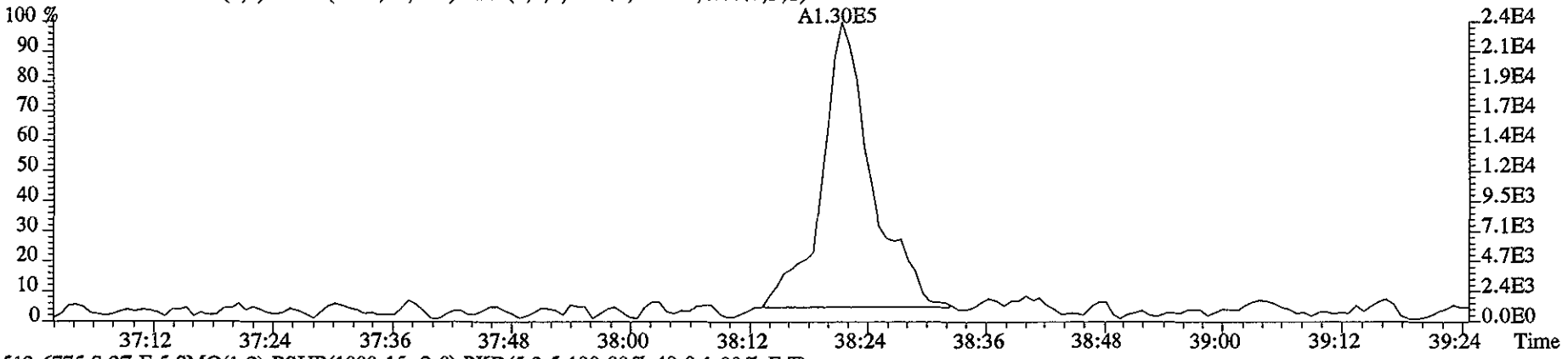
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES



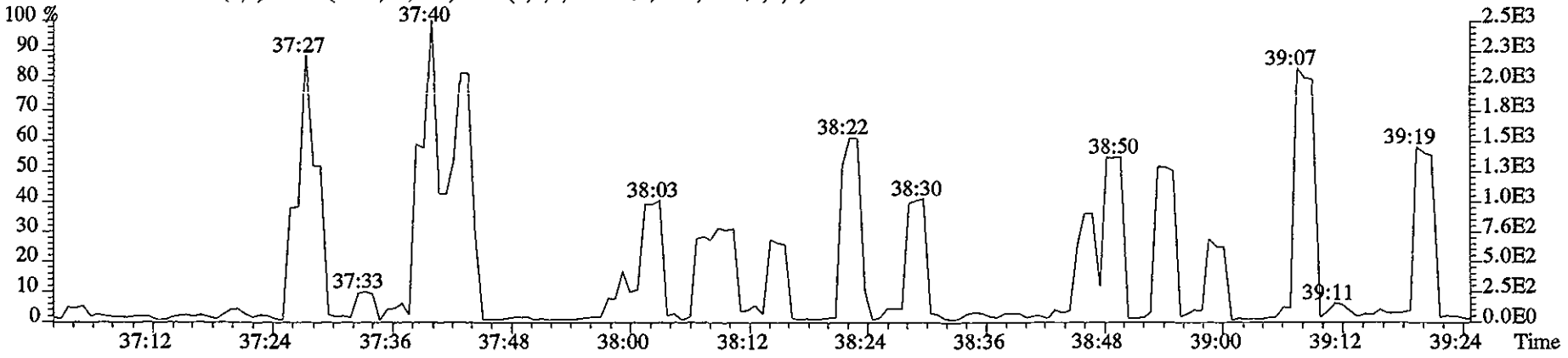
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES
441.7428 S:27 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,420.0,1.00%,F,T)



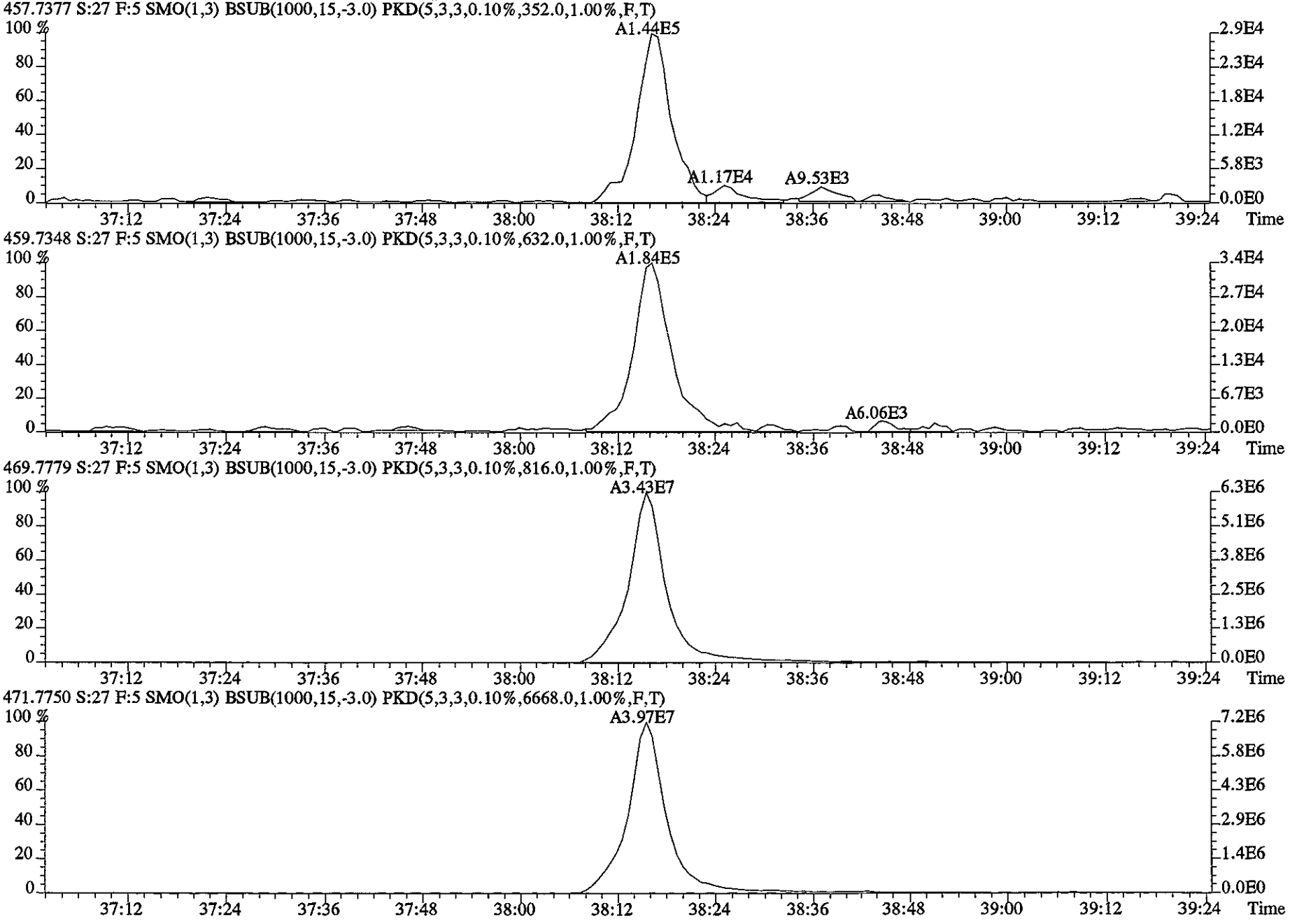
443.7399 S:27 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1164.0,1.00%,F,T)



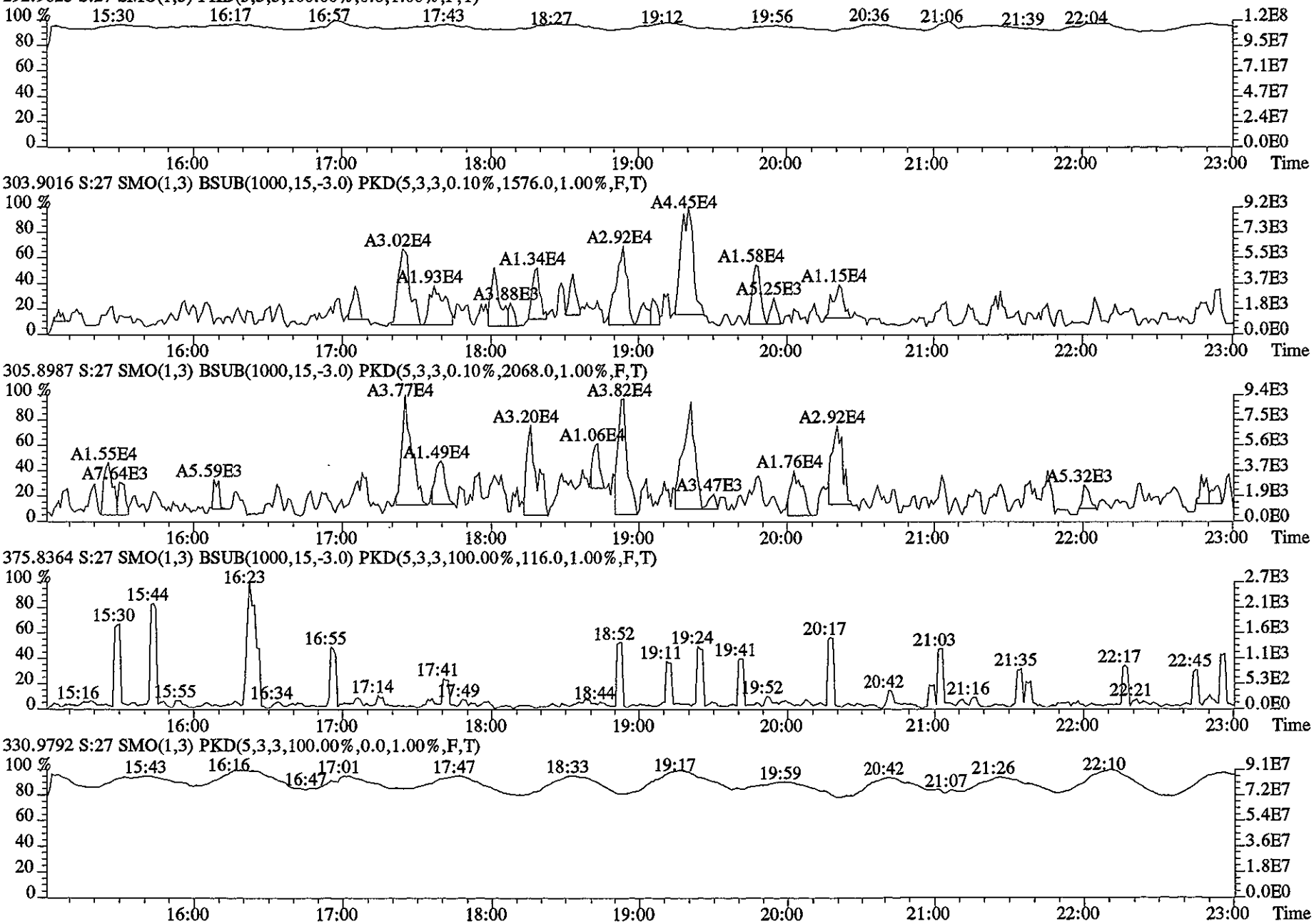
513.6775 S:27 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,48.0,1.00%,F,T)



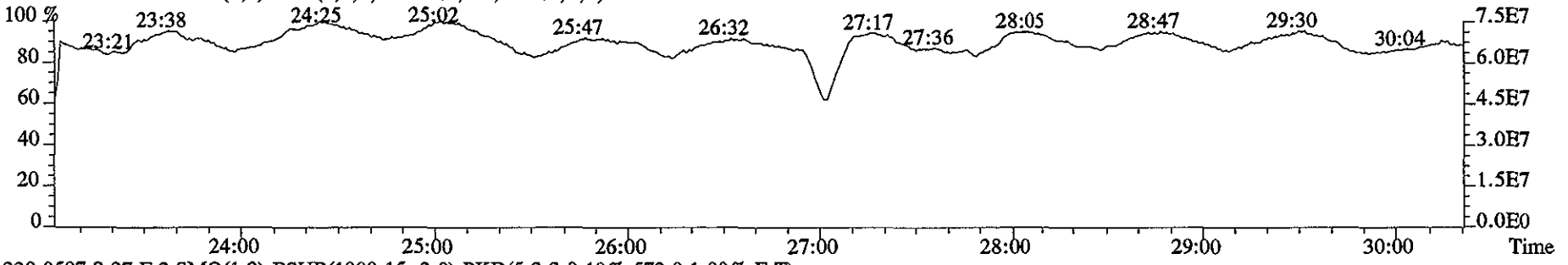
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

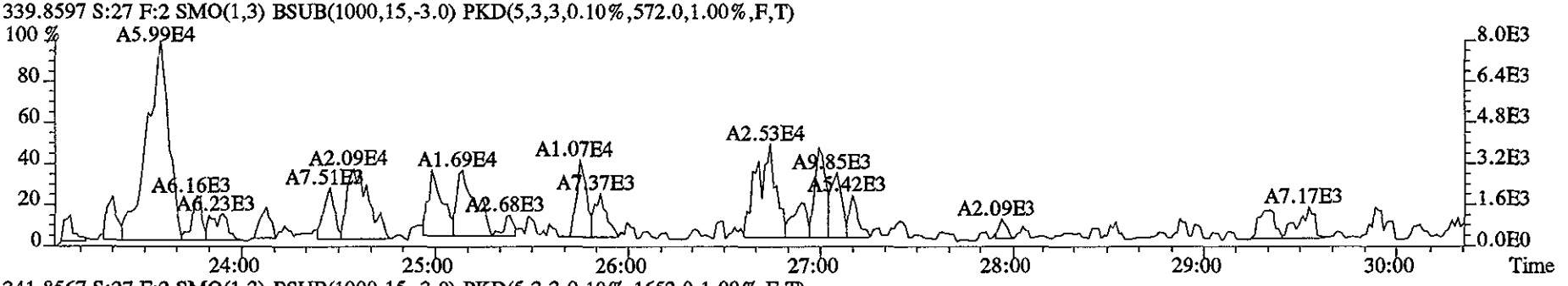


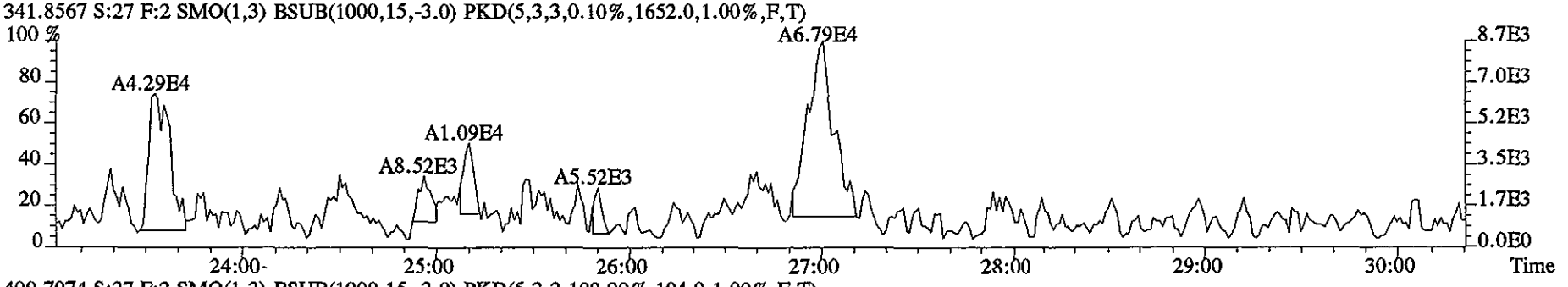
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

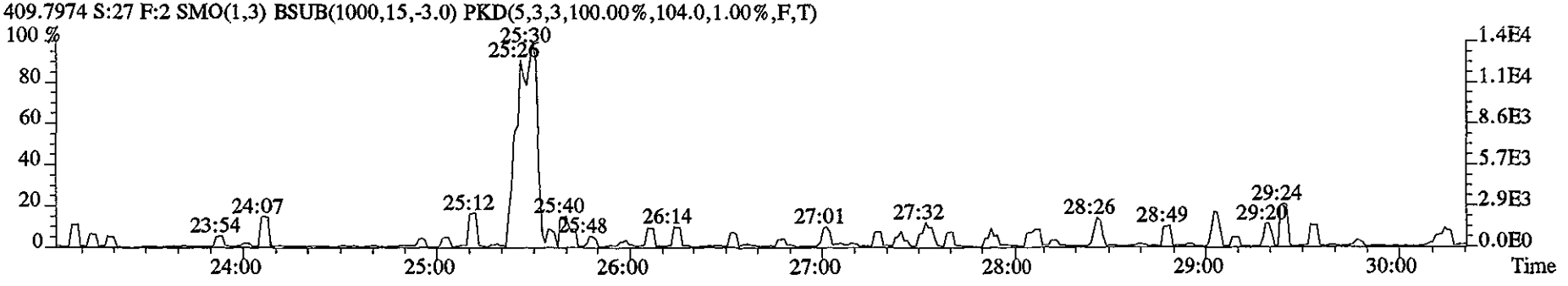


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES



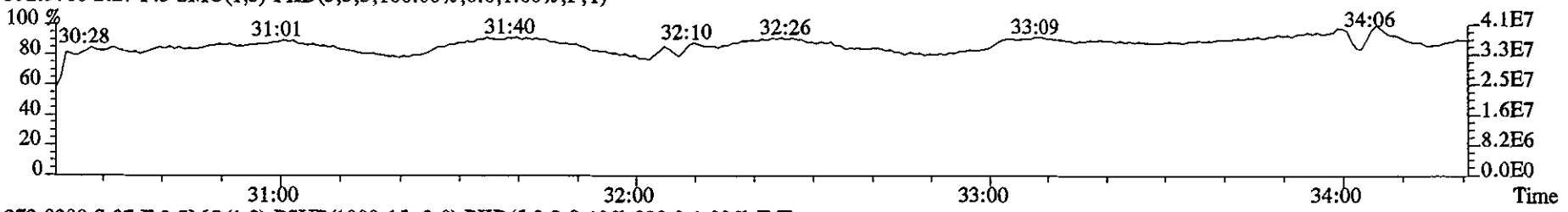




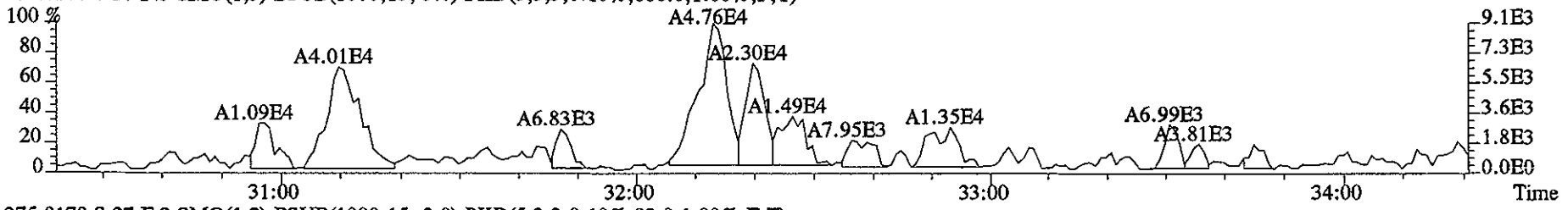


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES

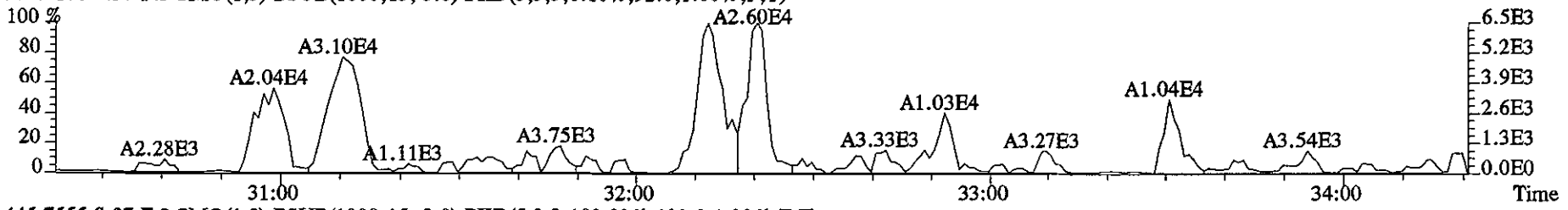
392.9760 S:27 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



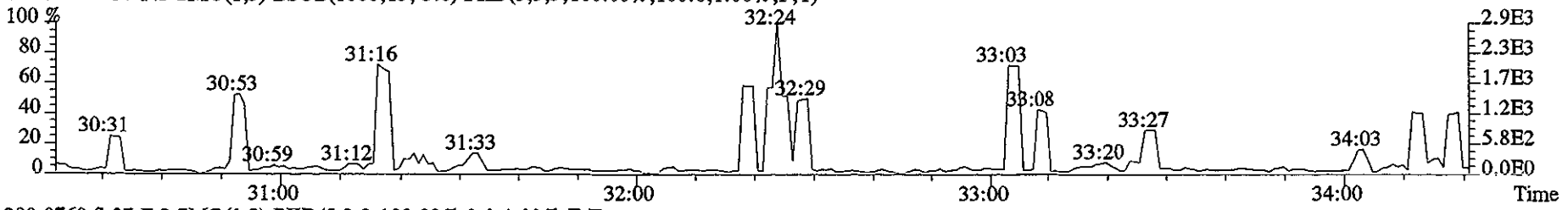
373.8208 S:27 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,888.0,1.00%,F,T)



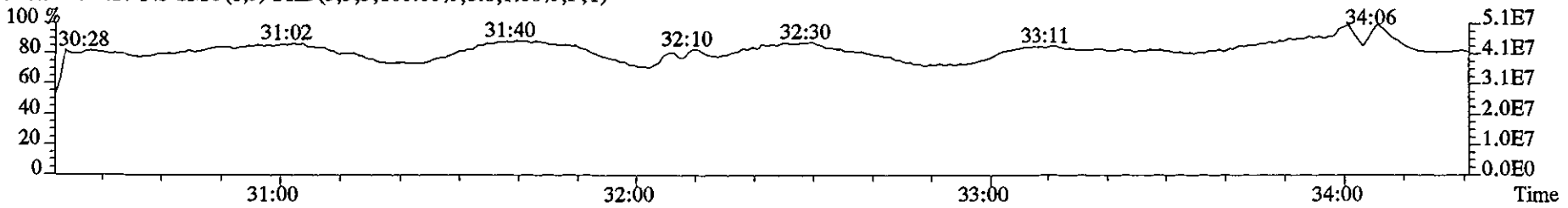
375.8178 S:27 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)



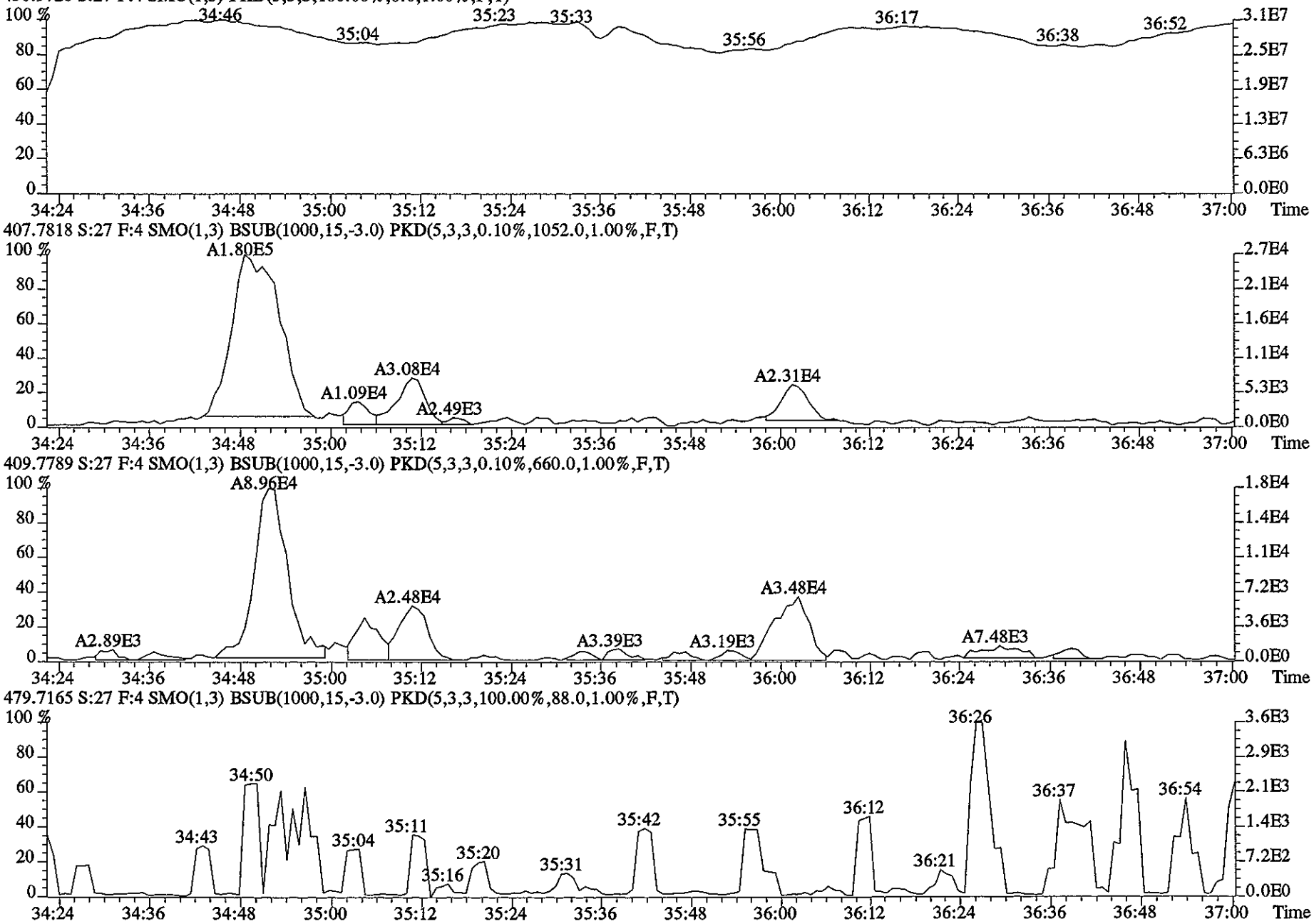
445.7555 S:27 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)



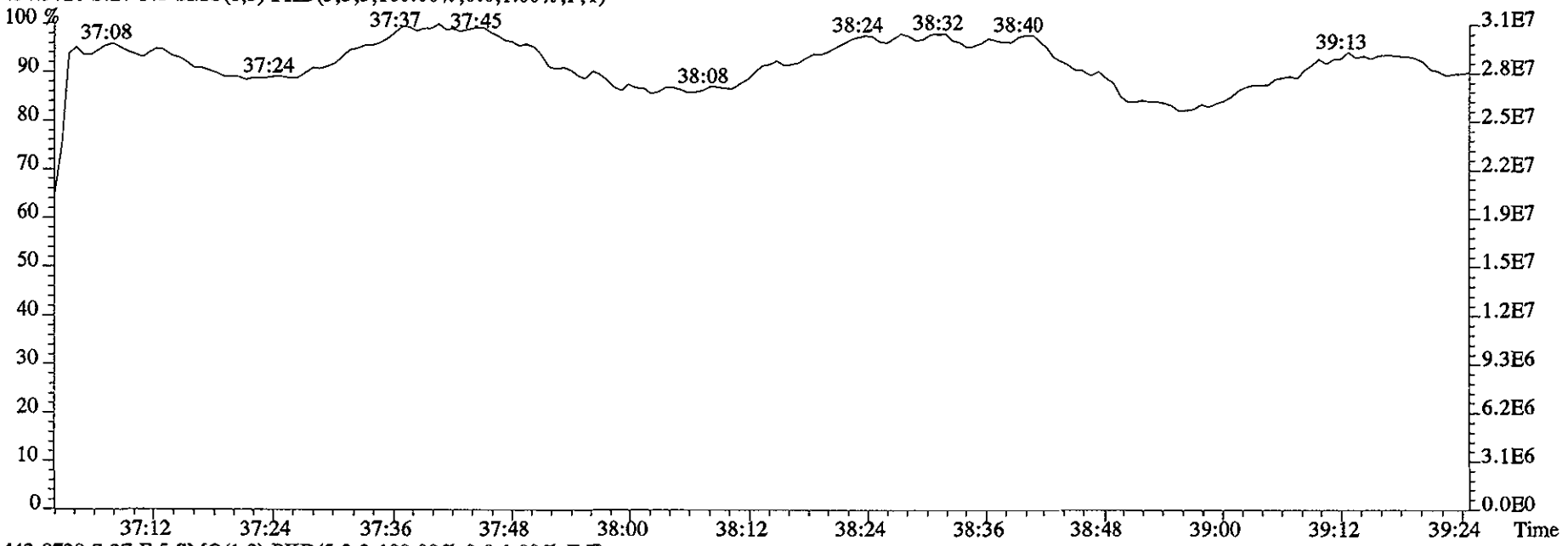
380.9760 S:27 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



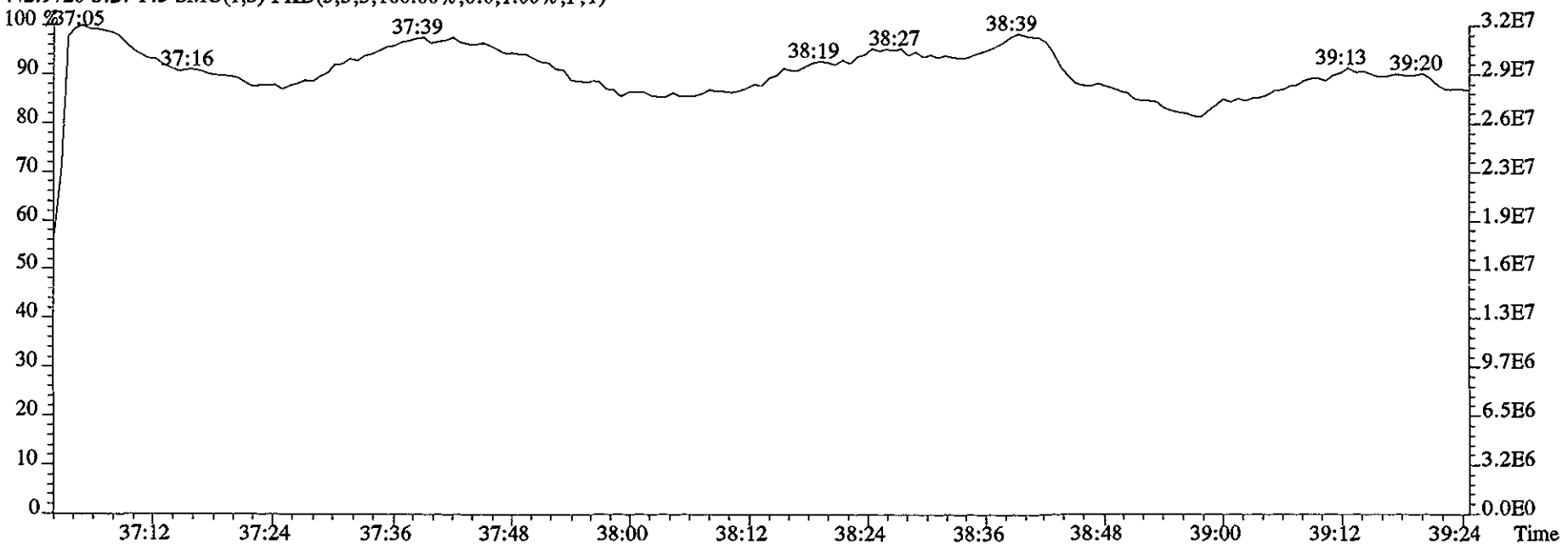
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 06:31:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#27 Text:L6K60-1-AA :G0I040476-5 Exp:DIOXINRES
454.9728 S:27 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:27 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



L6K621AA

Run text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6
Run #13 Filename: 13SE10A4D5 S: 28 I: 1 Results: 13SE10A4D5TO9AK
Acquired: 14-SEP-10 07:16:17 Processed: 14-SEP-10 10:03:26
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 sam

AK 9/16/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	133694800	0.80	y	19:54	-	80.06	-	-	n
13C-2,3,7,8-TCDF	148393500	0.79	y	19:18	1.23	3611.50	3.69	90.3	n
2,3,7,8-TCDF	31054100	0.77	y	19:20	0.99	841.69 SceDB225	3.45	-	n
Total TCDF	189929964	0.78	y	16:33	0.99	~~5147.08~~ 5138.93	3.45	-	n
13C-2,3,7,8-TCDD	105187700	0.79	y	20:06	0.91	3477.24	4.86	86.9	n
2,3,7,8-TCDD	407678	0.74	y	20:08	0.98	15.76	2.37	-	y
Total TCDD	14675561	0.77	y	17:34	0.98	~~567.45~~ 564.90	2.37	-	y
37Cl-2,3,7,8-TCDD	96467600	1.00	y	20:08	1.33	2766.37	2.78	172.9	n
13C-1,2,3,7,8-PeCDF	101536500	1.55	y	25:08	0.88	3467.68	4.96	86.7	n
1,2,3,7,8-PeCDF	17377870	1.53	y	25:09	1.08	635.87	10.97	-	n
2,3,4,7,8-PeCDF	9729900	1.60	y	26:43	1.05	366.59	11.30	-	n
Total F2 PeCDF	140997032	1.58	y	23:21	1.06	~~5230.70~~ 5647.80	11.13	-	n
Total F1 PeCDF	16169982	0.15	n	16:57	1.06	6~~00.32~~	2.21	-	n
13C-1,2,3,7,8-PeCDD	71938400	1.59	y	27:31	0.66	3257.02	1.40	81.4	n
1,2,3,7,8-PeCDD	1038498	1.56	y	27:33	0.93	62.39 J	4.19	-	n
Total PeCDD	11289583	1.53	y	23:47	0.93	~~678.30~~ 9/16/10 676.44	4.19	-	n
13C-1,2,3,7,8,9-HxCDD	73664800	1.28	y	33:20	-	62.22	-	-	n
13C-1,2,3,4,7,8-HxCDF	64671600	0.50	y	32:13	1.04	3361.14	8.85	84.0	n
1,2,3,4,7,8-HxCDF	24336400	1.18	y	32:13	1.22	1236.60	33.70	-	y
1,2,3,6,7,8-HxCDF	19556610	1.19	y	32:20	1.28	943.79	32.01	-	y
2,3,4,6,7,8-HxCDF	4642280	1.15	y	32:51	1.23	232.79	33.26	-	y
1,2,3,7,8,9-HxCDF	2465340	1.11	y	33:31	1.10	138.85	37.36	-	y
Total HxCDF	146685031	1.16	y	30:58	1.21	7452.75	33.97	-	y
13C-1,2,3,6,7,8-HxCDD	52987000	1.30	y	33:04	0.83	3463.20	1.68	86.6	n
1,2,3,4,7,8-HxCDD	603616	1.08	y	33:00	1.04	43.93 J	2.73	-	y
1,2,3,6,7,8-HxCDD	1299570	1.28	y	33:04	1.16	84.37	2.44	-	y
1,2,3,7,8,9-HxCDD	893001	1.30	y	33:20	1.18	57.05	2.40	-	y
Total HxCDD	9160450	1.08	y	31:41	1.13	611.56	2.52	-	y
13C-1,2,3,4,6,7,8-HpCDF	60199000	0.44	y	34:51	0.91	3592.01	13.53	89.8	n
1,2,3,4,6,7,8-HpCDF	79462100	1.05	y	34:52	1.35	3923.36	9.96	-	n
1,2,3,4,7,8,9-HpCDF	26306300	1.04	y	36:01	1.09	1598.58	12.26	-	n
Total HpCDF	151545487	1.05	y	34:52	1.22	~~8015.96~~ 7989.97	10.99	-	n
13C-1,2,3,4,6,7,8-HpCDD	55681400	1.03	y	35:40	0.83	3657.73	7.04	91.4	n
1,2,3,4,6,7,8-HpCDD	4601780	1.04	y	35:42	1.07	308.46	3.52	-	n
Total HpCDD	6949965	0.96	y	34:50	1.07	465.87 464.91	3.52	-	n
13C-OCDD	78413200	0.87	y	38:16	0.62	6868.61	5.17	85.9	n
OCDF	131495600	0.88	y	38:22	1.37	9790.33	9.63	-	n

OCDD	3632100	0.88	y	38:16	1.20	✓308.98	2.67	-	n

Run text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6
Run #13 Filename: 13SE10A4D5 S: 28 I: 1 Results: 13SE10A4D5TO9
Acquired: 14-SEP-10 07:16:17 Processed: 14-SEP-10 10:03:26
Run: 13SE10A4D5 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	133694800	0.80	y	19:54	-	80.059	-	-	n
13C-2,3,7,8-TCDF	148393500	0.79	y	19:18	1.23	3611.497	3.693	90.3	n
2,3,7,8-TCDF	31054100	0.77	y	19:20	0.99	841.693	3.452	-	n
Total TCDF	189929964	0.78	y	16:33	0.99	5147.876	3.452	-	n
13C-2,3,7,8-TCDD	105187700	0.79	y	20:06	0.91	3477.244	4.857	86.9	n
2,3,7,8-TCDD	406016	0.74	y	20:08	0.98	15.699	2.365	-	n
Total TCDD	14180785	0.77	y	17:34	0.98	548.322	2.365	-	n
37Cl-2,3,7,8-TCDD	96467600	1.00	y	20:08	1.33	2766.369	2.784	172.9	n
13C-1,2,3,7,8-PeCDF	101536500	1.55	y	25:08	0.88	3467.679	4.960	86.7	n
1,2,3,7,8-PeCDF	17377870	1.53	y	25:09	1.08	635.866	10.969	-	n
2,3,4,7,8-PeCDF	9729900	1.60	y	26:43	1.05	366.594	11.295	-	n
Total F2 PeCDF	140997032	1.58	y	23:21	1.06	5230.698	11.130	-	n
Total F1 PeCDF	16169982	0.15	n	16:57	1.06	600.325	2.205	-	n
13C-1,2,3,7,8-PeCDD	71938400	1.59	y	27:31	0.66	3257.016	1.404	81.4	n
1,2,3,7,8-PeCDD	1038498	1.56	y	27:33	0.93	62.395	4.186	-	n
Total PeCDD	11289583	1.53	y	23:47	0.93	678.296	4.186	-	n
13C-1,2,3,7,8,9-HxCDD	73664800	1.28	y	33:20	-	62.217	-	-	n
13C-1,2,3,4,7,8-HxCDF	64671600	0.50	y	32:13	1.04	3361.136	8.848	84.0	n
1,2,3,4,7,8-HxCDF	35396600	1.16	y	32:13	1.22	1798.593	33.702	-	n
1,2,3,6,7,8-HxCDF	19349060	1.18	y	32:20	1.28	933.777	32.009	-	n
2,3,4,6,7,8-HxCDF	10289740	1.13	y	32:49	1.23	515.990	33.260	-	n
1,2,3,7,8,9-HxCDF	7065320	1.17	y	33:34	1.10	397.933	37.356	-	n
Total HxCDF	144671204	1.16	y	30:58	1.21	7363.174	33.971	-	n
13C-1,2,3,6,7,8-HxCDD	52987000	1.30	y	33:04	0.83	3463.200	1.684	86.6	n
1,2,3,4,7,8-HxCDD	1881141	1.23	y	33:04	1.04	136.916	2.734	-	n
1,2,3,6,7,8-HxCDD	1881141	1.23	y	33:04	1.16	122.126	2.439	-	n
1,2,3,7,8,9-HxCDD	1375499	1.27	y	33:20	1.18	87.869	2.400	-	n
Total HxCDD	9138010	1.08	y	31:41	1.13	603.868	2.516	-	n
13C-1,2,3,4,6,7,8-HpCDF	60199000	0.44	y	34:51	0.91	3592.007	13.526	89.8	n
1,2,3,4,6,7,8-HpCDF	79462100	1.05	y	34:52	1.35	3923.361	9.961	-	n
1,2,3,4,7,8,9-HpCDF	26306300	1.04	y	36:01	1.09	1598.585	12.260	-	n
Total HpCDF	151545487	1.05	y	34:52	1.22	8015.960	10.991	-	n
13C-1,2,3,4,6,7,8-HpCDD	55681400	1.03	y	35:40	0.83	3657.730	7.042	91.4	n
1,2,3,4,6,7,8-HpCDD	4601780	1.04	y	35:42	1.07	308.464	3.525	-	n
Total HpCDD	6949965	0.96	y	34:50	1.07	465.866	3.525	-	n
13C-OCDD	78413200	0.87	y	38:16	0.62	6868.608	5.168	85.9	n
OCDF	131495600	0.88	y	38:22	1.37	9790.328	9.631	-	n
OCDD	3632100	0.88	y	38:16	1.20	308.976	2.670	-	n

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:17
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	2573.94	of which	420.85	named and	2153.09	unnamed		
Conc:	5147.88	of which	841.69	named and	4306.18	unnamed		

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:33	0.78	y	222.07	3598900	248.1	y	n
						4594300	211.3	y	n
	2	16:55	0.77	y	102.84	1647740	102.2	y	n
						2146360	86.9	y	n
	3	17:06	0.76	y	91.50	1461650	96.2	y	n
						1914260	83.9	y	n
	4	17:25	0.79	y	864.09	14117600	751.9	y	n
						17762800	648.4	y	n
	5	17:41	0.75	y	503.49	7942310	371.3	y	n
						10633800	335.3	y	n
	6	18:01	0.80	y	426.75	6991330	236.6	y	n
						8753670	216.5	y	n
	7	18:17	0.79	y	437.68	7102210	401.1	y	n
						9046090	354.6	y	n
	8	18:35	0.76	y	426.13	6786370	288.0	y	n
						8935510	259.2	y	n
	9	18:42	0.76	y	430.50	6851290	388.9	y	n
						9031810	352.0	y	n
	10	18:54	0.78	y	431.59	6990250	409.6	y	n
						8933330	347.7	y	n
	11	19:08	0.83	y	123.17	2057500	91.0	y	n
						2486760	74.9	y	n
2,3,7,8-TCDF	12	19:20	0.77	y	841.69	13489800	674.3	y	n
						17564300	598.3	y	n
	13	19:48	0.83	y	95.95	1610560	90.1	y	n
						1929570	75.7	y	n
	14	20:05	0.75	y	65.55	1038530	43.1	y	n
						1379780	40.0	y	n
	15	20:21	0.91	n	27.93	531620	28.8	y	n
						582189	21.4	y	n

16	21:25	0.75	y	48.00	761294	37.6	y	n
					1009780	35.9	y	n
17	21:46	0.74	y	8.95	140112	7.4	y	n
					189923	6.3	y	n

OW

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:12
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	274.16 of which	7.85 named and	266.31 unnamed
Conc:	548.32 of which	15.70 named and	532.62 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	17:34	0.77	y	129.74	1458510	253.2	y	n
						1896810	175.8	y	n
	2	17:54	0.80	y	166.35	1910580	320.9	y	n
						2391590	210.0	y	n
	3	18:10	0.80	y	15.28	176164	26.3	y	n
						218947	17.6	y	n
	4	18:49	0.78	y	78.13	888424	123.6	y	n
						1132060	83.2	y	n
	5	19:05	0.85	y	39.57	469911	40.0	y	n
						553430	27.3	y	n
	6	19:32	0.83	y	17.80	208826	33.6	y	n
						251471	21.0	y	n
	7	20:00	0.61	n	60.51	680818	94.7	y	n
						1114480	56.7	y	n
2,3,7,8-TCDD	8	20:08	0.74	y	15.70	173155	29.2	y	n
						232861	19.4	y	n
	9	20:20	1.06	n	7.89	121985	16.2	y	n
						115288	8.1	y	n
	10	20:32	0.77	y	14.80	166133	23.7	y	n
						216706	16.4	y	n
	11	20:49	0.20	n	1.02	11512	2.2	n	n
						56390	3.3	y	n
	12	21:27	1.54	n	1.53	34421	4.3	y	n
						22422	2.4	n	n

2A

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? yes #Hom:13
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	283.73 of which	7.88 named and	275.84 unnamed
Conc:	567.45 of which	15.76 named and	551.69 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	17:34	0.77	y	129.74	1458510	253.2	y	n
						1896810	175.8	y	n
	2	17:54	0.80	y	166.35	1910580	320.9	y	n
						2391590	210.0	y	n
	3	18:10	0.80	y	15.28	176164	26.3	y	n
						218947	17.6	y	n
	4	18:49	0.78	y	78.13	888424	123.6	y	n
						1132060	83.2	y	n
	5	19:05	0.85	y	39.57	469911	40.0	y	n
						553430	27.3	y	n
	6	19:32	0.83	y	17.80	208826	33.6	y	n
						251471	21.0	y	n
	7	19:54	0.83	y	21.17	248782	33.0	y	n
						298654	21.2	y	y
	8	20:00	0.82	y	58.41	680818	94.7	y	n
						829860	56.9	y	y
2,3,7,8-TCDD	9	20:08	0.74	y	15.76	173155	29.2	y	n
						234523	19.6	y	y
	10	20:20	1.06	n	7.89	121985	16.2	y	n
						115287	8.1	y	n
	11	20:32	0.77	y	14.80	166133	23.7	y	n
						216705	16.4	y	n
	12	20:49	0.20	n	1.02	11512	2.2	n	n
						56390	3.3	y	n
	13	21:27	1.54	n	1.53	34421	4.3	y	n
						22422	2.4	n	n

564.90

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:13
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

Amount:	2615.35 of which	501.23 named and	2114.12	unnamed
Conc:	5230.70 of which	1002.46 named and	4228.24	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:21	1.58	y	391.59	6455560	251.0	y	n
						4091960	64.9	y	n
	2	23:35	1.52	y	1639.01	26633500	819.7	y	n
						17514000	222.2	y	n
	3	23:51	1.60	y	274.91	4557350	138.7	y	n
						2847550	38.7	y	n
	4	24:09	1.56	y	204.09	3354120	95.1	y	n
						2143220	26.9	y	n
	5	24:36	1.98	n	597.29	12476100	277.4	y	n
						6309070	80.9	y	n
	6	25:00	1.59	y	299.86	4959780	175.3	y	n
						3117180	46.6	y	n
1,2,3,7,8-PeCDF	7	25:09	1.53	y	635.87	10508700	344.3	y	n
						6869170	93.9	y	n
	8	25:30	1.62	y	137.61	2293800	72.0	y	n D
						1412720	19.9	y	n
	9	25:47	1.57	y	372.41	6120670	158.5	y	n
						3910380	44.3	y	n
2,3,4,7,8-PeCDF	10	26:43	1.60	y	366.59	5981010	175.2	y	n
						3748890	45.4	y	n
	11	27:05	1.45	y	180.13	2875120	62.5	y	n
						1976730	18.9	y	n
	12	27:42	1.73	y	63.05	1076960	31.8	y	n
						621421	7.7	y	n
	13	29:02	1.75	y	68.28	1170730	31.2	y	n
						668382	7.8	y	n

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:9
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17

Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4¶

Amount:	300.16	of which	* named and	300.16	unnamed
Conc:	600.32	of which	* named and	600.32	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:57	0.15	n	0.53	8667	2.2	n	n
						58813	7.1	y	n
	2	19:58	0.53	n	0.74	12082	3.6	y	n
						22848	2.1	n	n
	3	20:49	1.06	n	5.36	87735	12.0	y	n
						83031	7.6	y	n
	4	21:03	0.27	n	1.20	19647	4.6	y	n
						71603	6.7	y	n
	5	21:46	1.58	y	554.71	9153130	1381.8	y	n
						5788190	598.3	y	n
	6	22:08	2.30	n	9.43	228867	22.6	y	n
						99649	7.1	y	n
	7	22:18	2.98	n	5.03	158294	25.6	y	n
						53133	6.8	y	n
	8	22:43	1.02	n	8.34	136598	20.8	y	n
						134550	12.5	y	n
	9	22:55	1.27	n	14.98	245295	29.1	y	n
						193825	16.3	y	n

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:12
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	339.15 of which	31.20 named and	307.95 unnamed
Conc:	678.30 of which	62.39 named and	615.90 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:47	1.53	y	188.55	1895880	226.1	y	n
						1242430	117.2	y	n
	2	24:40	1.27	n	6.84	69195	8.8	y	n
						54387	6.1	y	n
	3	25:10	1.47	y	165.27	1638700	184.7	y	n
						1112070	102.0	y	n
	4	25:27	1.20	n	27.11	274234	28.1	y	n
						228922	20.2	y	n
	5	25:49	1.37	y	134.42	1293510	142.9	y	n
						943852	79.7	y	n
	6	26:11	2.05	n	10.22	137055	14.2	y	n
						66711	7.1	y	n
	7	26:24	1.46	y	19.33	191124	19.6	y	n
						130665	8.3	y	n
	8	26:50	1.55	y	30.61	309338	28.0	y	n
						200113	16.6	y	n
1,2,3,7,8-PeCDD	9	27:33	1.56	y	62.39	633183	65.5	y	n
						405315	29.3	y	n
	10	27:55	1.67	y	17.38	180799	16.9	y	n
						108462	10.0	y	n
	11	28:44	1.62	y	14.50	149111	12.4	y	n
						92254	7.0	y	n
	12	30:13	0.91	n	1.66	16817	2.2	n	n
						18535	1.6	n	n

676.64

SECOA

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:11
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	3681.59 of which	1823.15 named and	1858.44 unnamed

Conc: 7363.17 of which 3646.29 named and 3716.88 unnamed

See 6A

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:58	1.16	y	920.36	9650540	69.6	y	n
						8319140	60.3	y	n
	2	31:11	1.15	y	1535.11	16014800	116.6	y	n
						13957600	103.2	y	n
	3	31:23	1.09	y	94.70	963820	8.2	y	n
						885154	7.2	y	n
	4	31:35	1.11	y	261.21	2687320	20.8	y	n
						2412730	18.6	y	n
	5	31:46	1.14	y	183.95	1910380	16.6	y	n
						1681110	14.4	y	n
1,2,3,4,7,8-HxCDF	6	32:13	1.16	y	1798.59	18977700	144.1	y	n
						16418900	127.2	y	n
1,2,3,6,7,8-HxCDF	7	32:20	1.18	y	933.78	10470300	94.7	y	n
						8878760	82.4	y	n
	8	32:26	1.17	y	354.01	3723590	33.8	y	n
						3188240	29.9	y	n
	9	32:39	1.13	y	367.54	3814160	25.2	y	n
						3361900	22.2	y	n
2,3,4,6,7,8-HxCDF	10	32:49	1.13	y	515.99	5462150	31.1	y	n
						4827590	26.8	y	n
1,2,3,7,8,9-HxCDF	11	33:34	1.17	y	397.93	3803460	22.5	y	n
						3261860	19.2	y	n

6A

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:14
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	3726.38 of which	1276.02 named and	2450.36 unnamed
Conc:	7452.75 of which	2552.03 named and	4900.72 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:58	1.16	y	920.36	9650550	69.6	y	n
						8319140	60.3	y	n
	2	31:11	1.15	y	1535.11	16014800	116.6	y	n
						13957600	103.2	y	n
	3	31:23	1.09	y	94.70	963817	8.2	y	n
						885154	7.2	y	n
	4	31:35	1.11	y	261.21	2687320	20.8	y	n
						2412730	18.6	y	n
	5	31:46	1.14	y	183.95	1910370	16.6	y	n
						1681110	14.4	y	n
	6	32:11	1.10	y	596.27	6088210	94.9	y	y
						5553690	85.0	y	y
1,2,3,4,7,8-HxCDF	7	32:13	1.18	y	1236.60	13194400	145.1	y	y
						11142000	128.0	y	y
1,2,3,6,7,8-HxCDF	8	32:20	1.19	y	943.79	10616600	95.7	y	y
						8940010	83.1	y	y
	9	32:26	1.18	y	371.84	3924660	34.7	y	y
						3335320	30.7	y	y
	10	32:39	1.13	y	367.54	3814170	25.2	y	n
						3361900	22.2	y	n
	11	32:49	1.14	y	316.39	3286040	32.0	y	y
						2891290	27.6	y	y
2,3,4,6,7,8-HxCDF	12	32:51	1.15	y	232.79	2480650	24.5	y	y
						2161630	22.4	y	y
1,2,3,7,8,9-HxCDF	13	33:31	1.11	y	138.85	1297360	16.9	y	y
						1167980	15.2	y	y
	14	33:34	1.18	y	253.35	2676580	22.9	y	y
						2269950	19.6	y	y

7A

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:8
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	305.78 of which	92.67 named and	213.11 unnamed
Conc:	611.56 of which	185.35 named and	426.21 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:41	1.08	y	40.45	314001	71.3	y	n
						290035	30.5	y	n
	2	32:14	1.29	y	199.00	1672200	389.5	y	n
						1299320	142.3	y	n
	3	32:28	1.29	y	143.45	1206290	257.6	y	n
						935672	99.7	y	n
	4	32:36	1.30	y	10.97	92710	15.3	y	n
						71141	6.8	y	n
1,2,3,4,7,8-HxCDD	5	33:00	1.08	y	43.93	312883	91.2	y	y
						290733	39.0	y	y
1,2,3,6,7,8-HxCDD	6	33:04	1.28	y	84.37	729781	169.5	y	y
						569789	65.2	y	y
	7	33:19	1.13	y	32.34	256197	127.5	y	y
						226696	52.3	y	y
1,2,3,7,8,9-HxCDD	8	33:20	1.30	y	57.05	505269	144.9	y	y
						387732	58.1	y	y

see 7A

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:6
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	301.93 of which	105.00 named and	196.94 unnamed
Conc:	603.87 of which	210.00 named and	393.87 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:41	1.08	y	40.45	314001	71.3	y	n
						290035	30.5	y	n
	2	32:14	1.29	y	199.00	1672200	389.5	y	n
						1299320	142.3	y	n
	3	32:28	1.29	y	143.45	1206290	257.6	y	n
						935672	99.7	y	n
	4	32:36	1.30	y	10.97	92710	15.3	y	n
						71141	6.8	y	n
1,2,3,6,7,8-HxCDD	5	33:04	1.23	y	122.13	1038220	169.1	y	n
						842921	64.6	y	n
1,2,3,7,8,9-HxCDD	6	33:20	1.27	y	87.87	768588	144.5	y	n
						606911	57.5	y	n

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:5
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	4007.98 of which	2760.97 named and	1247.01 unnamed
Conc:	8015.96 of which	5521.95 named and	2494.01 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:52	1.05	y	3923.36	40760700	748.8	y	n
						38701400	2847.5	y	n
	2	35:04	1.01	y	1011.81	9315650	165.6	y	n
						9255940	678.6	y	n
	3	35:11	1.06	y	1456.21	13736100	249.0	y	n
						12992400	971.4	y	n
	4	35:32	1.57	n	25.99	365959	3.7	y	n
						233822	12.0	y	n
1,2,3,4,7,8,9-HpCDF	5	36:01	1.04	y	1598.58	13419800	231.7	y	n

						12886500	914.0	y	n

Run Text: L6K61-1-AA Sample text: L6K61-1-AA :G0I040476-6

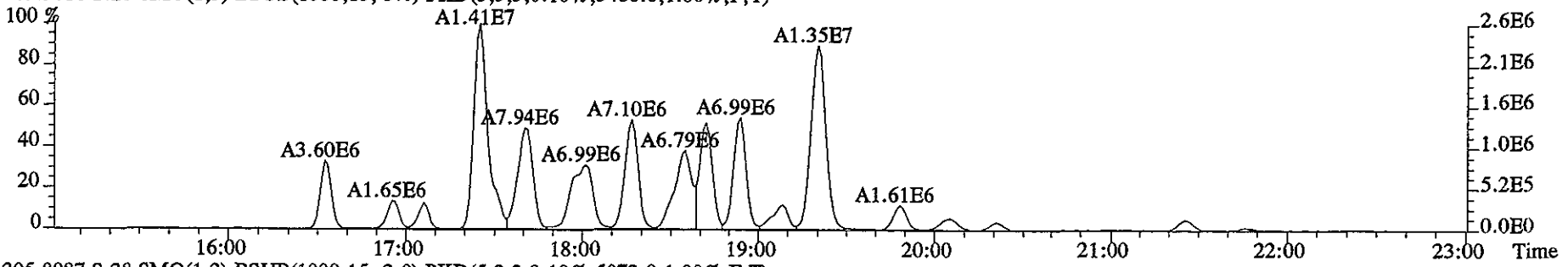
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3
Run: 13 File: 13SE10A4D5 S:28 Acq:14-SEP-10 07:16:17
Tables: Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4

Amount:	232.93 of which	154.23 named and	78.70	unnamed
Conc:	465.87 of which	308.46 named and	157.40	unnamed

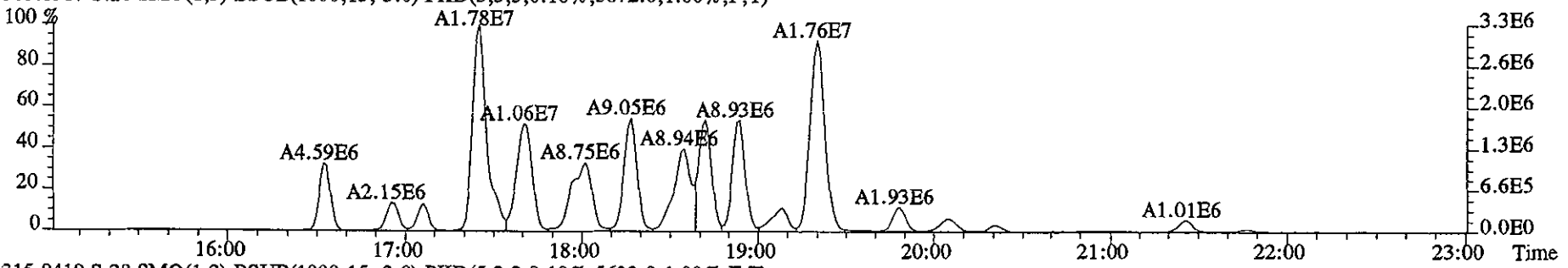
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	34:50	0.96	y	0.88	6388	1.0	n	n
						6677	1.5	n	n
	2	35:07	1.05	y	156.53	1195080	137.9	y	n
						1140040	174.9	y	n
1,2,3,4,6,7,8-HpCDD	3	35:42	1.04	y	308.46	2340880	235.0	y	n
						2260900	299.3	y	n

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

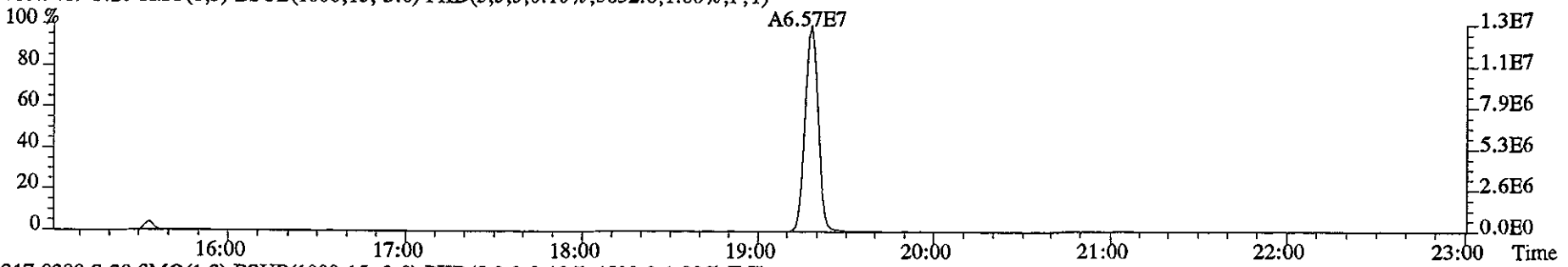
303.9016 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



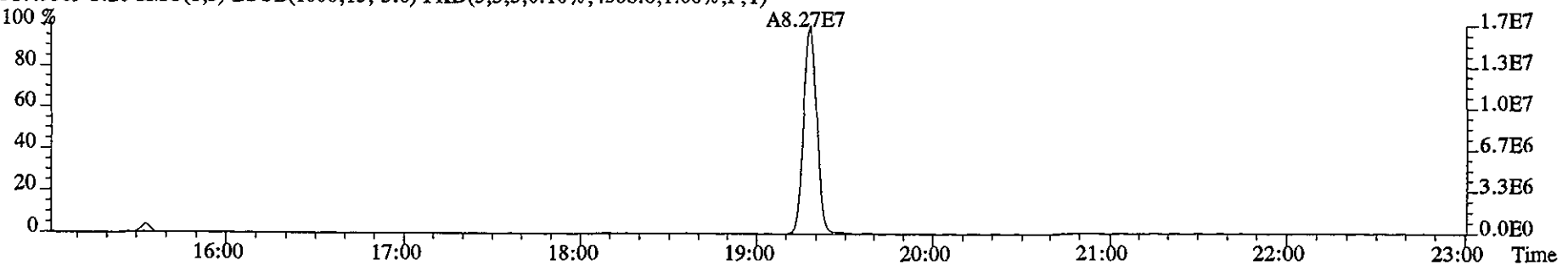
305.8987 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5072.0,1.00%,F,T)



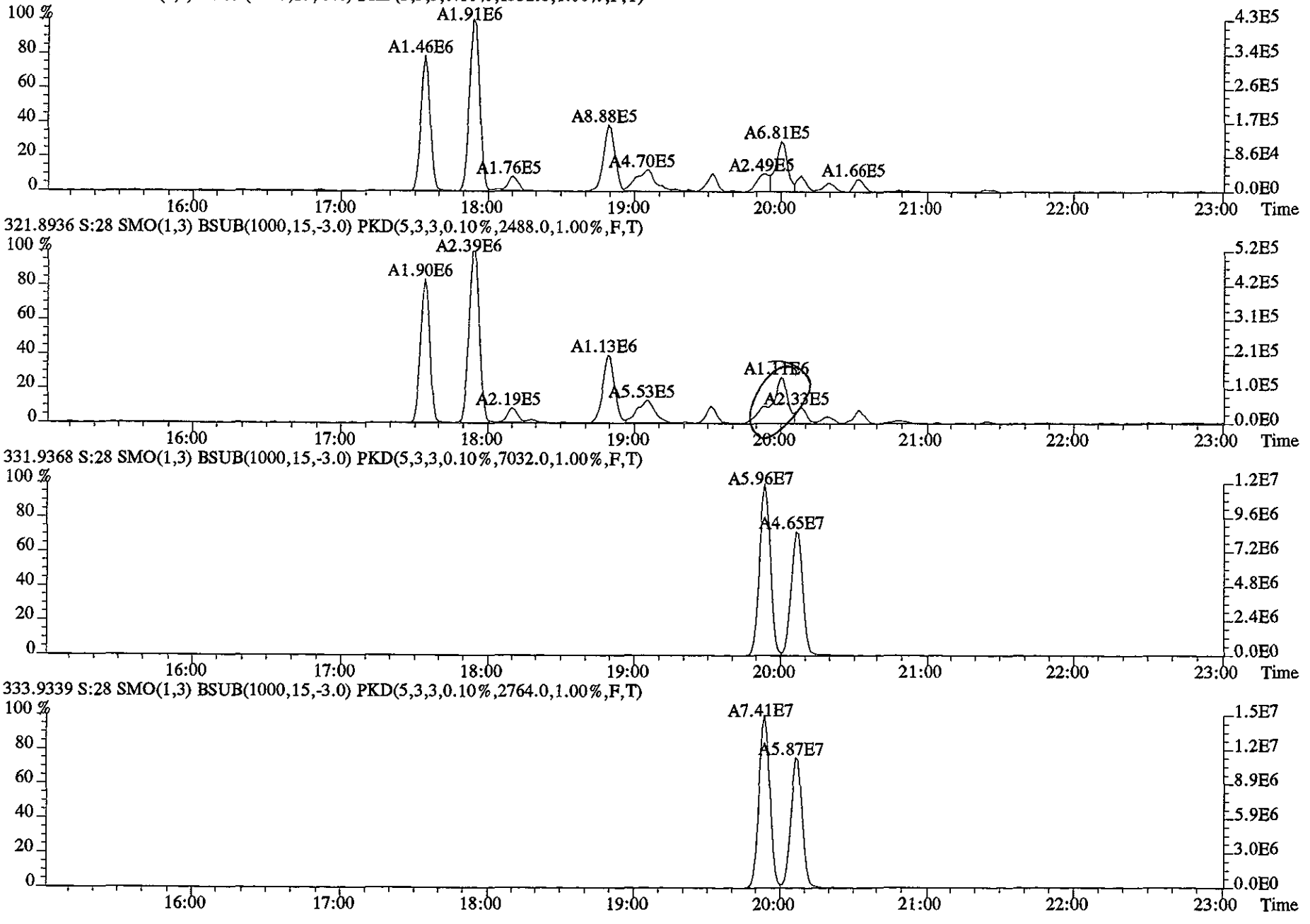
315.9419 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5632.0,1.00%,F,T)



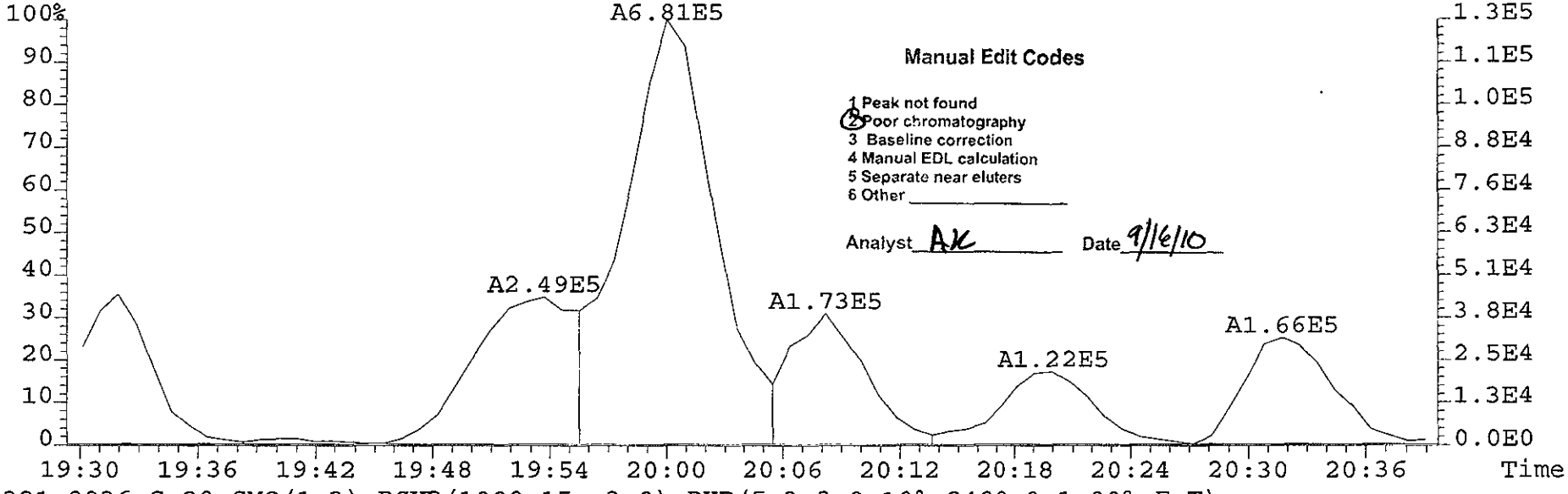
317.9389 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)



File:13SE10A4D5 #1-530 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES



File:13SE10A4D5 #1-530 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES
319.8965 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1332.0,1.00%,F,T)

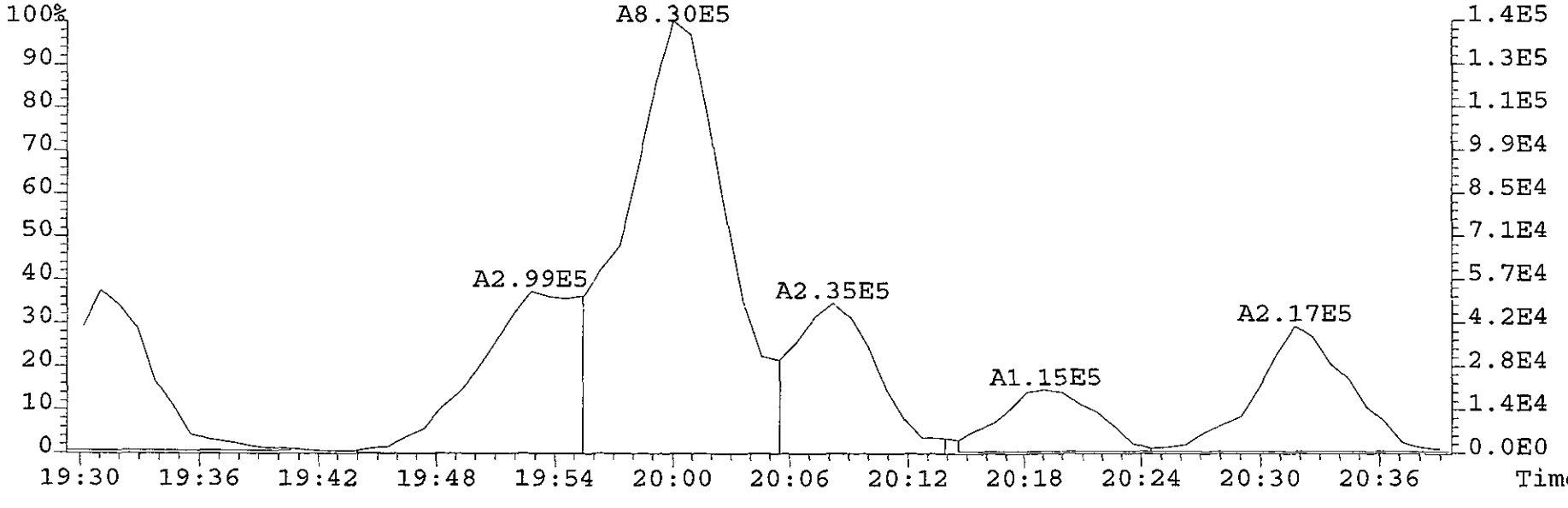


Manual Edit Codes

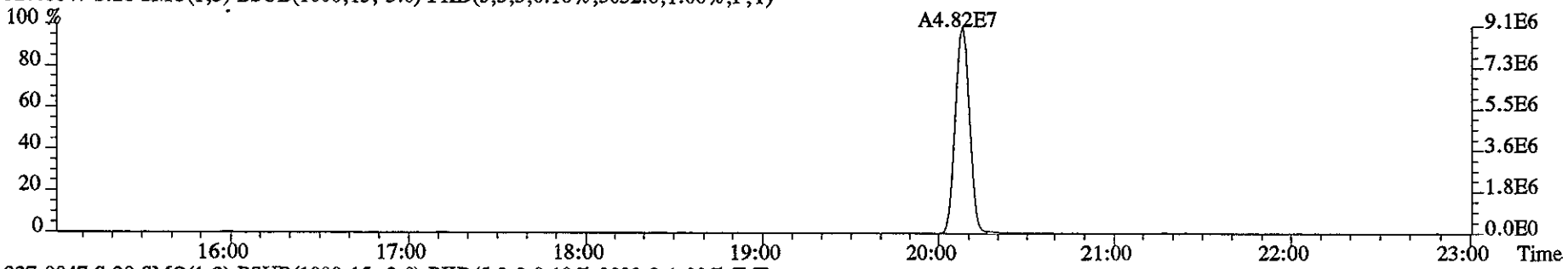
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

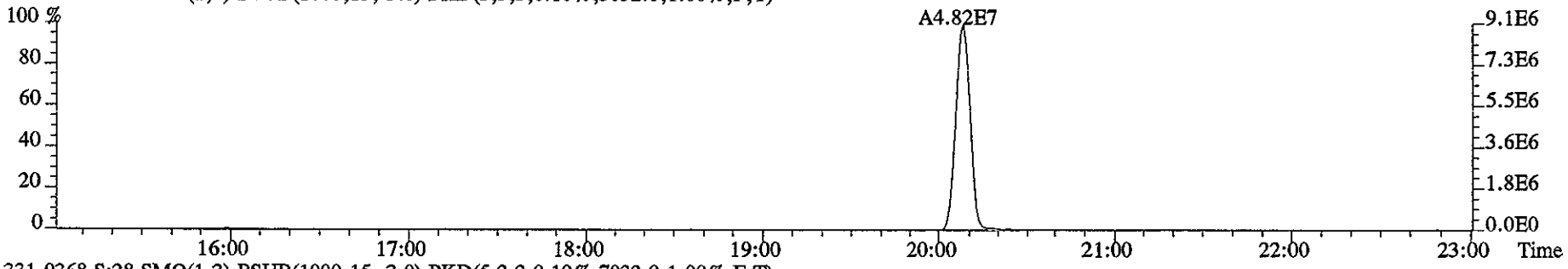
Analyst AK Date 9/16/10

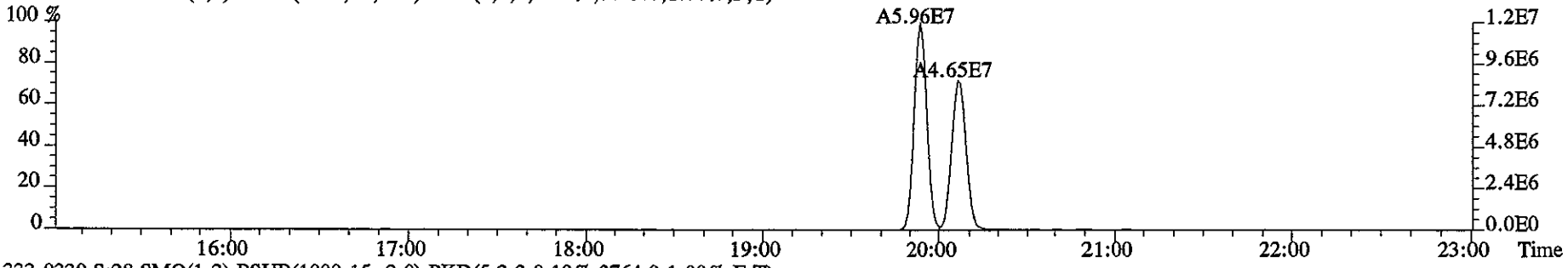
321.8936 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2488.0,1.00%,F,T)

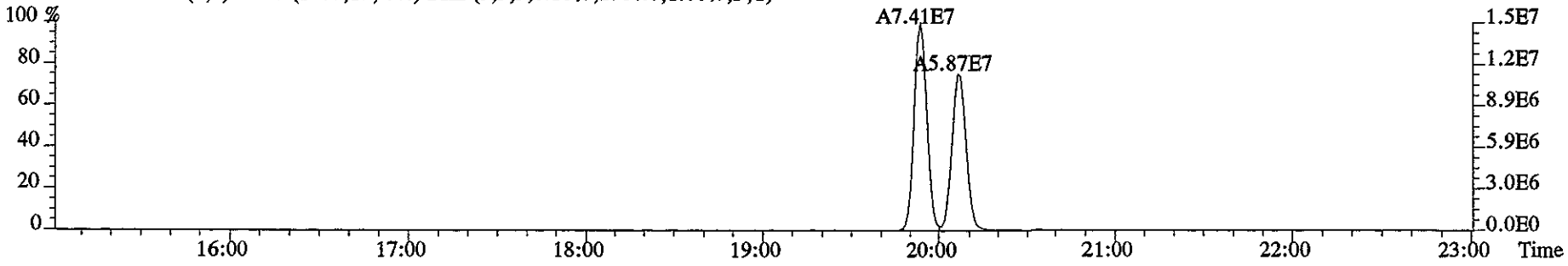


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

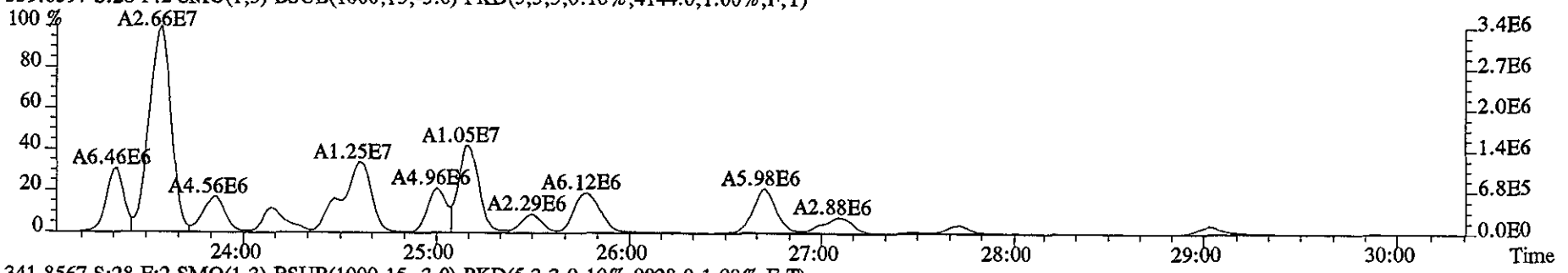


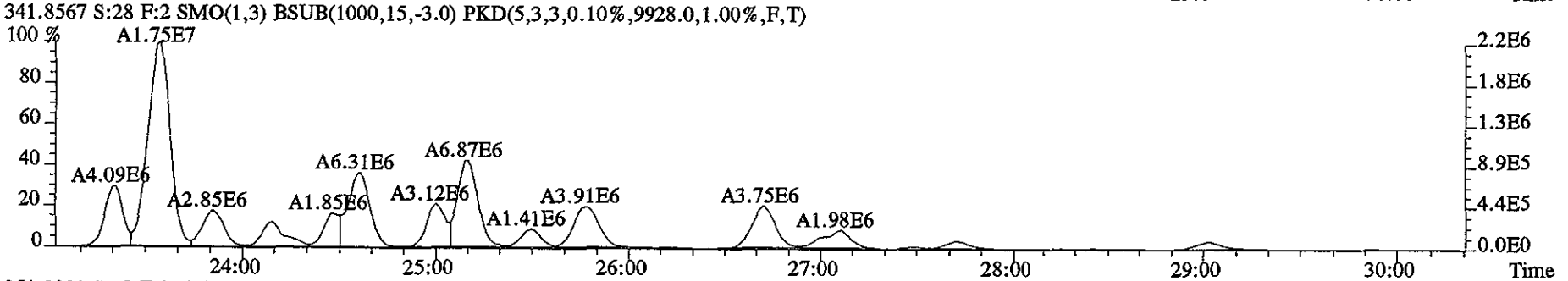


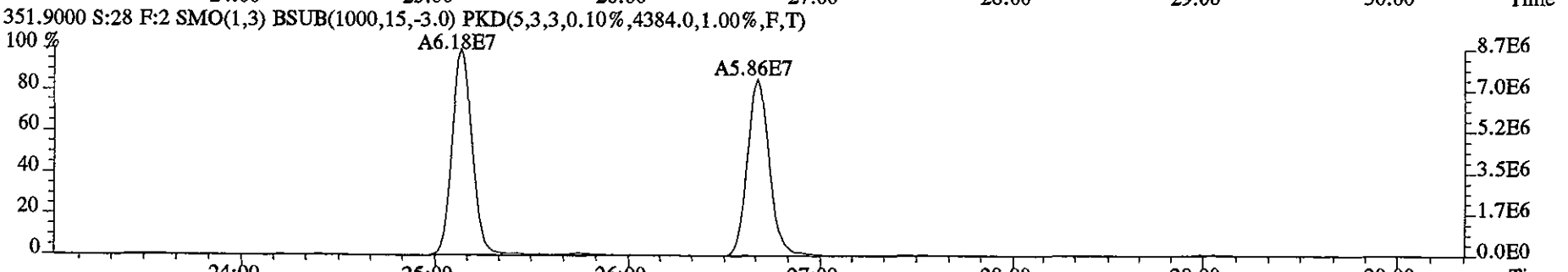


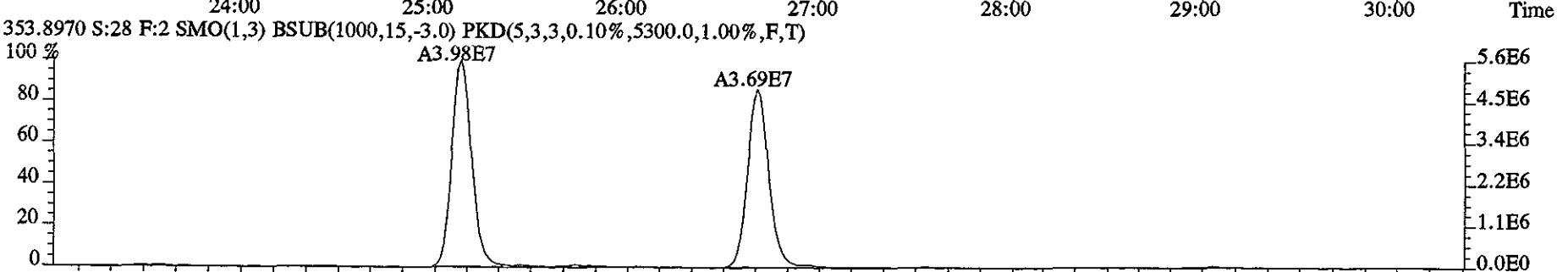


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

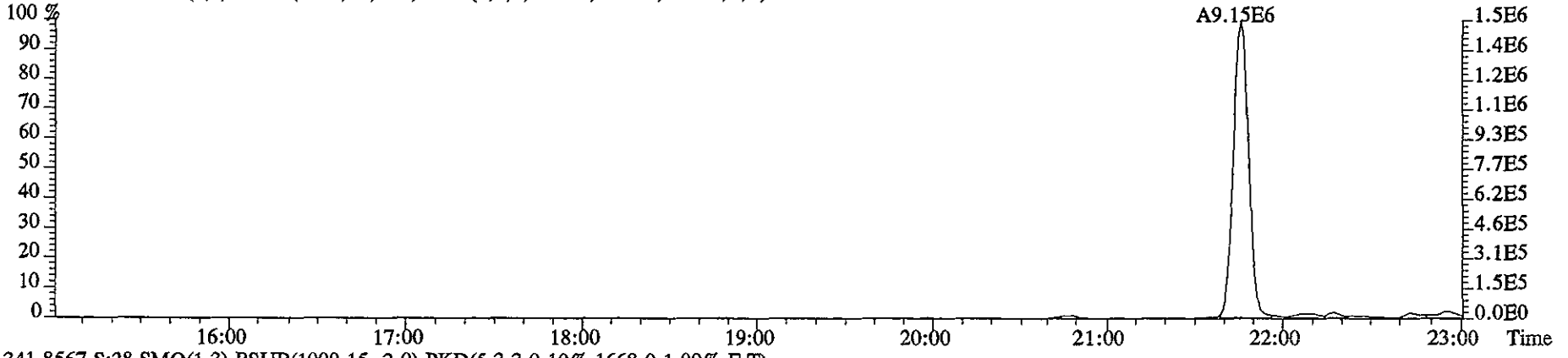




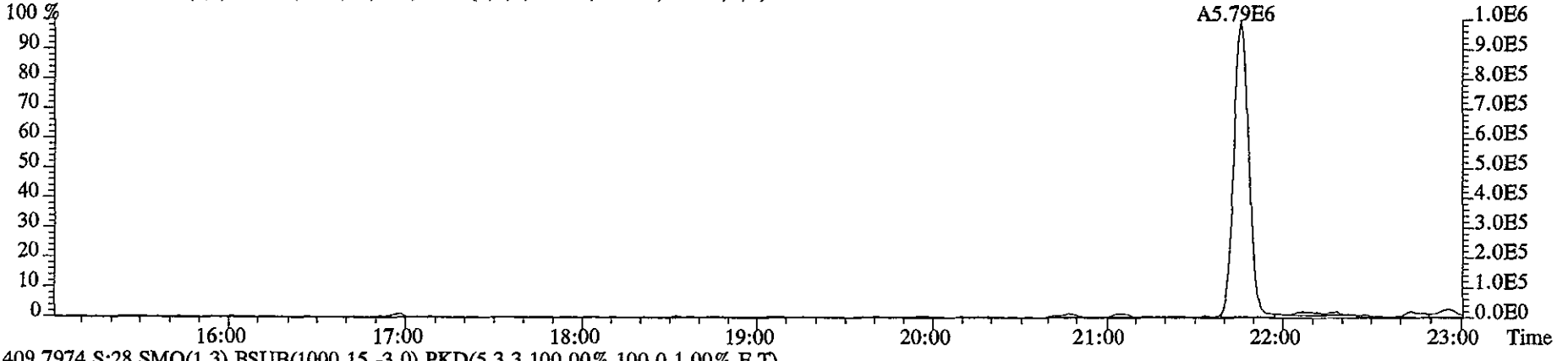




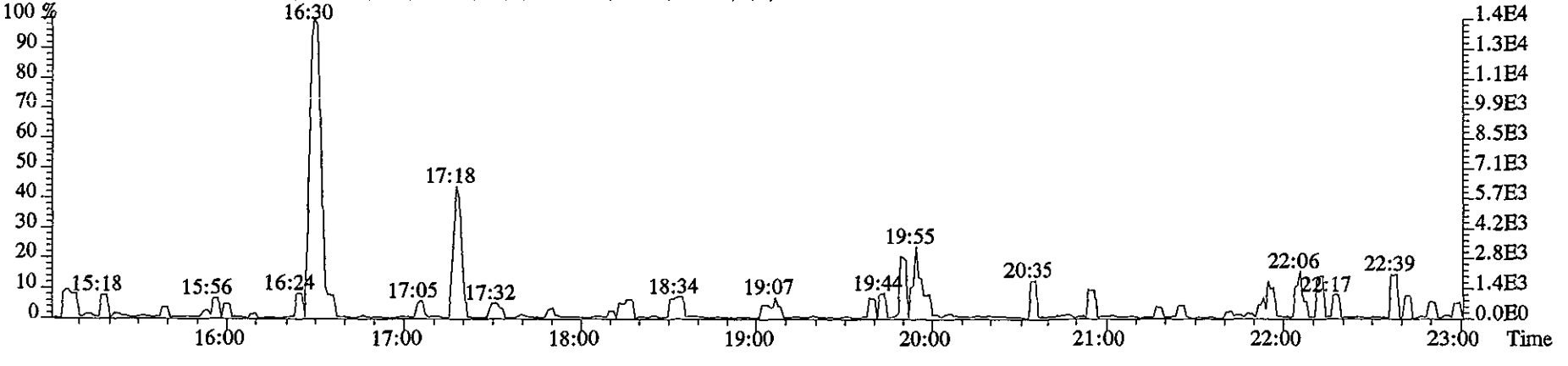
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES
339.8597 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1120.0,1.00%,F,T)



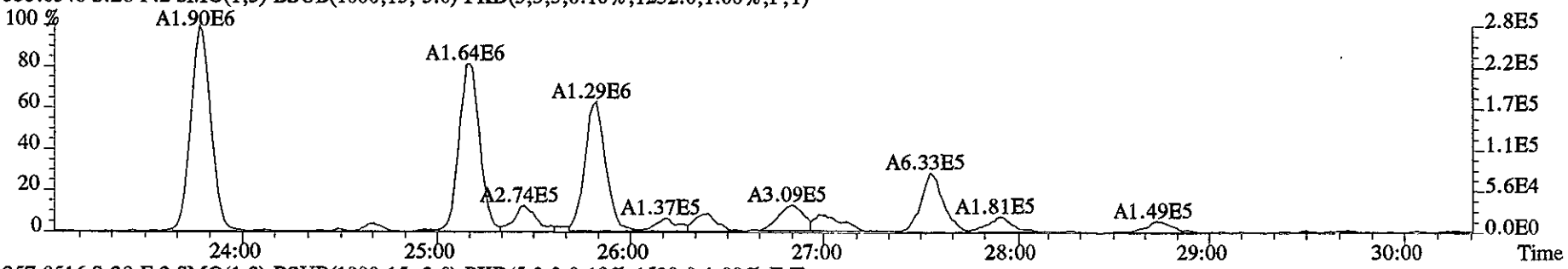
341.8567 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1668.0,1.00%,F,T)



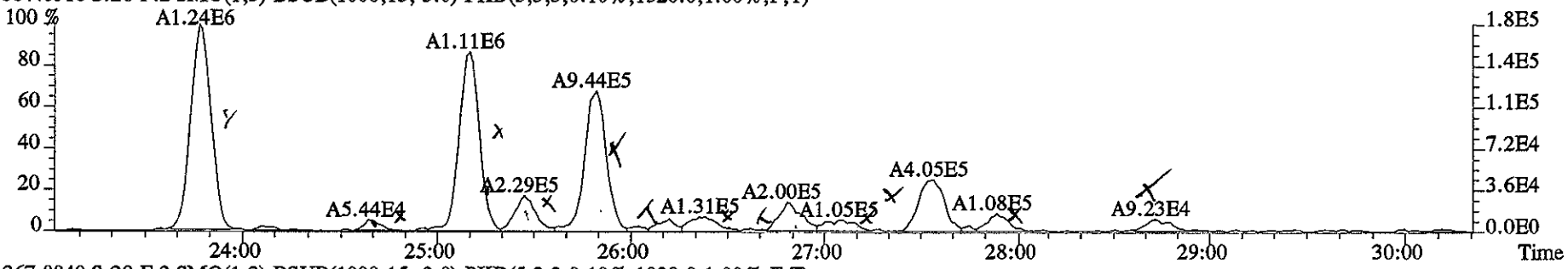
409.7974 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)



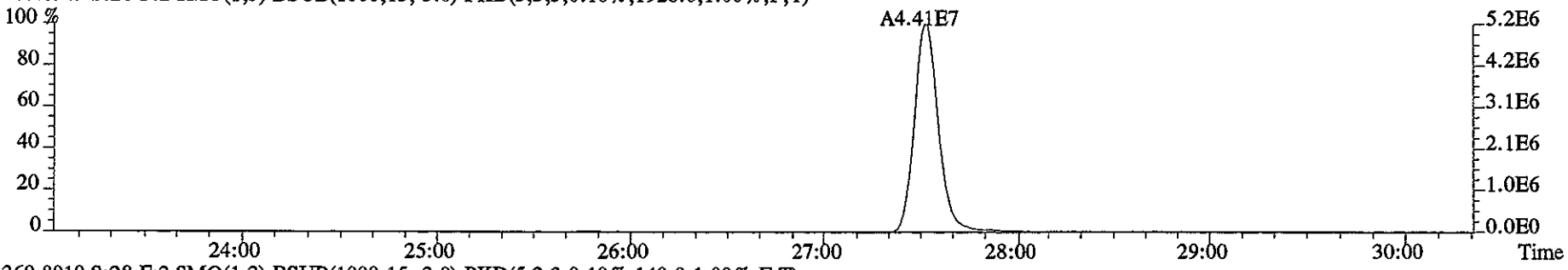
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES
355.8546 S:28 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1232.0,1.00%,F,T)



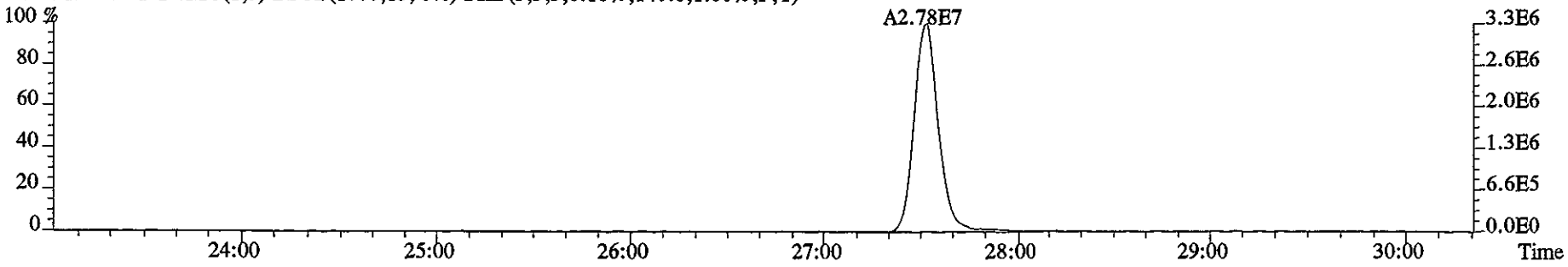
357.8516 S:28 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1520.0,1.00%,F,T)



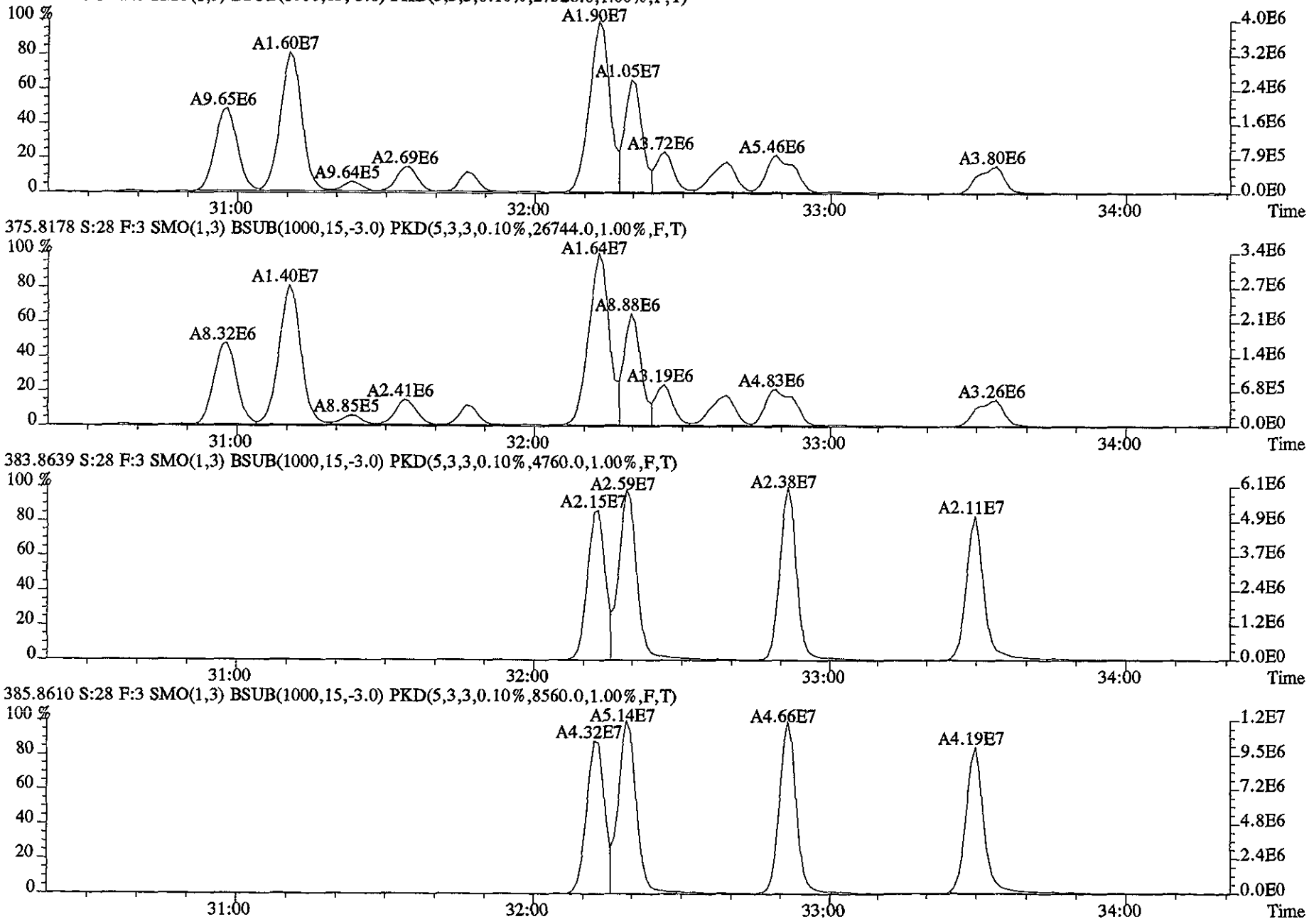
367.8949 S:28 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1928.0,1.00%,F,T)



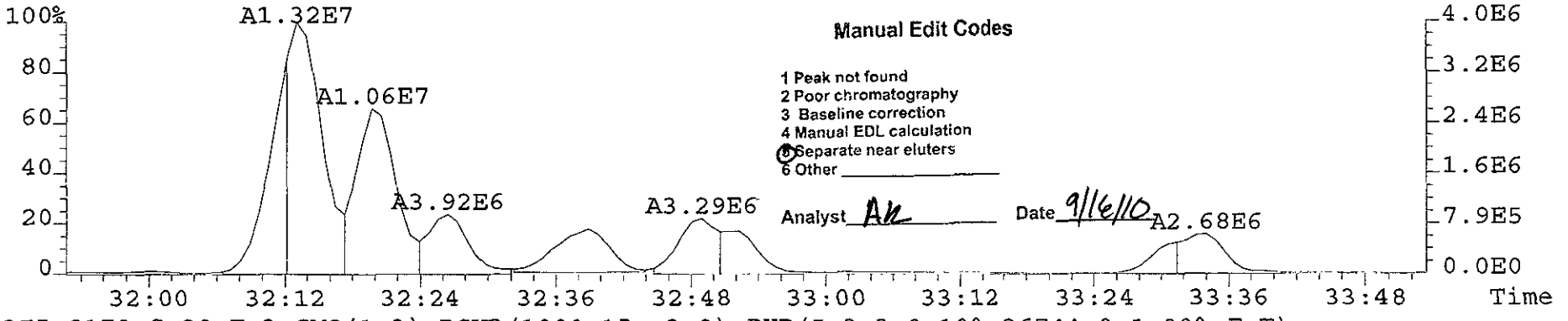
369.8919 S:28 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,140.0,1.00%,F,T)



File:13SE10A4D5 #1-287 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES



File:13SE10A4D5 #1-287 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES
373.8208 S:28 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27328.0,1.00%,F,T)

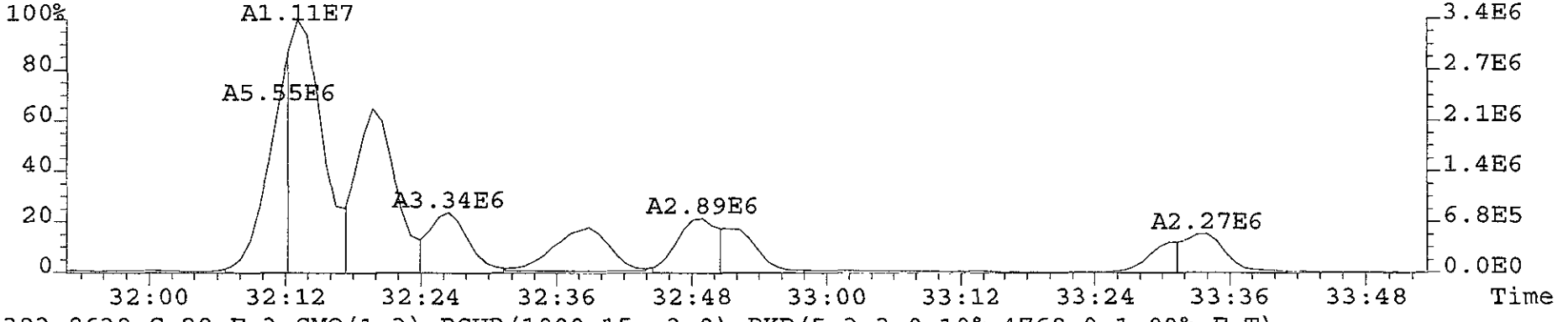


Manual Edit Codes

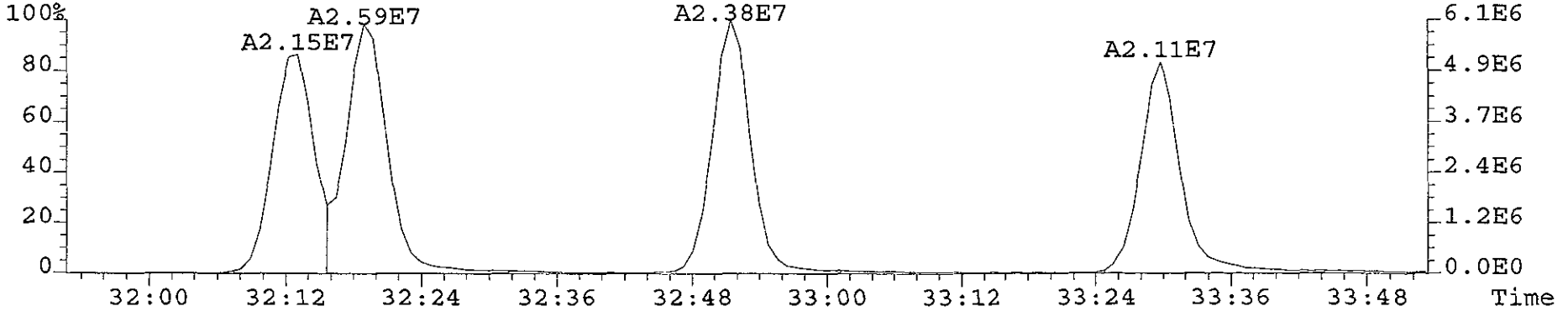
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst AK Date 9/16/10

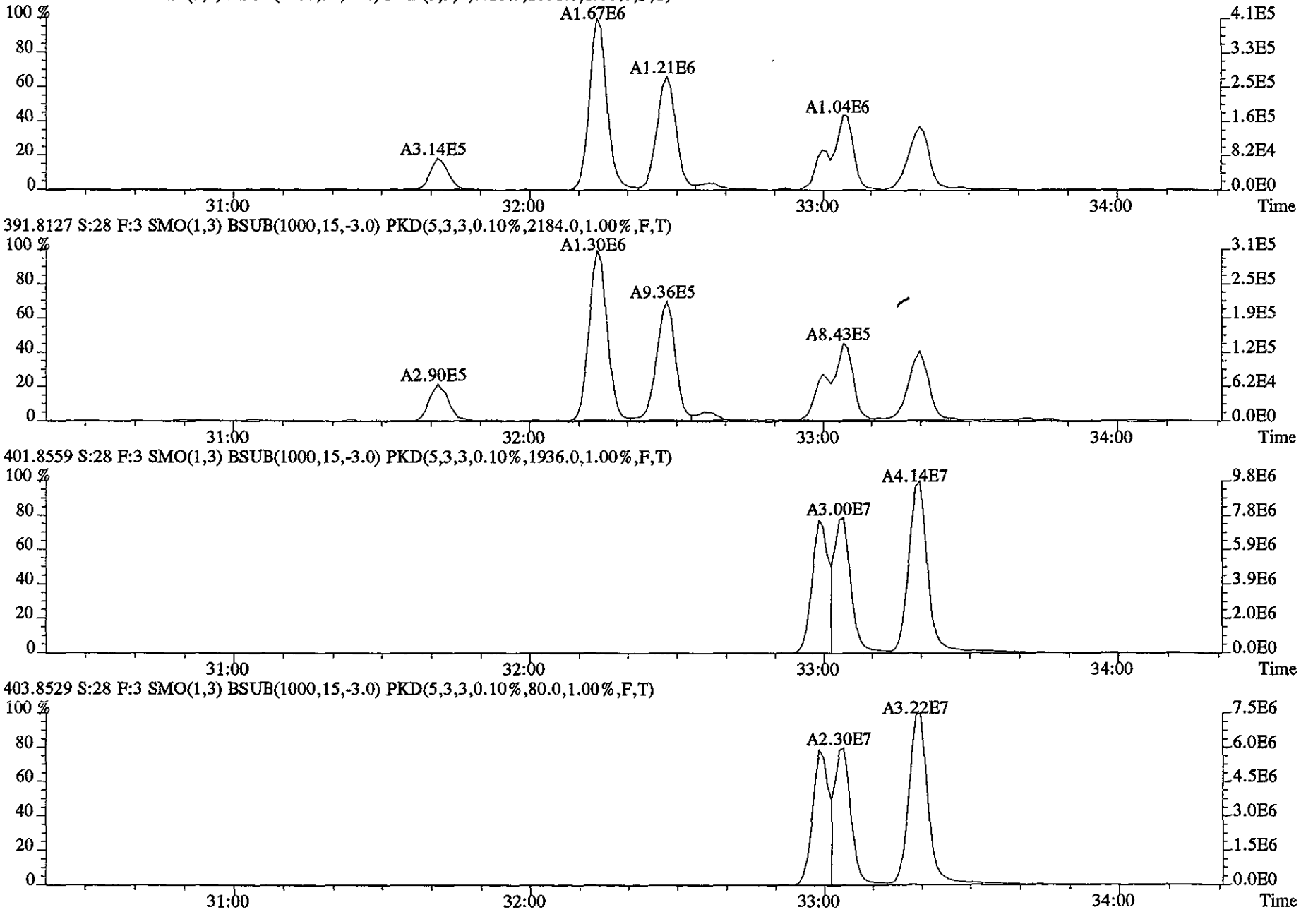
375.8178 S:28 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26744.0,1.00%,F,T)



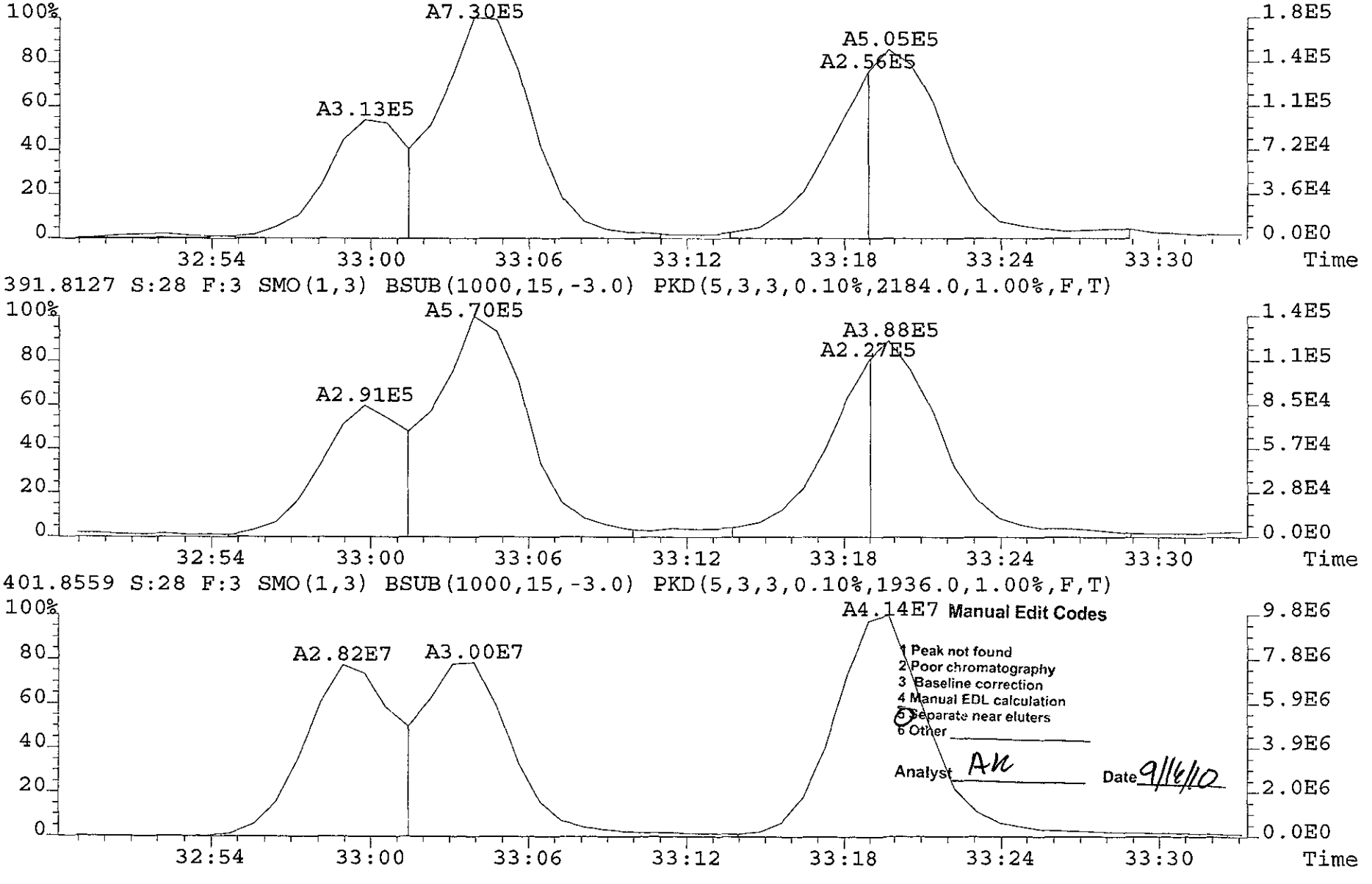
383.8639 S:28 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4760.0,1.00%,F,T)



File:13SE10A4D5 #1-287 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES



File:13SE10A4D5 #1-287 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

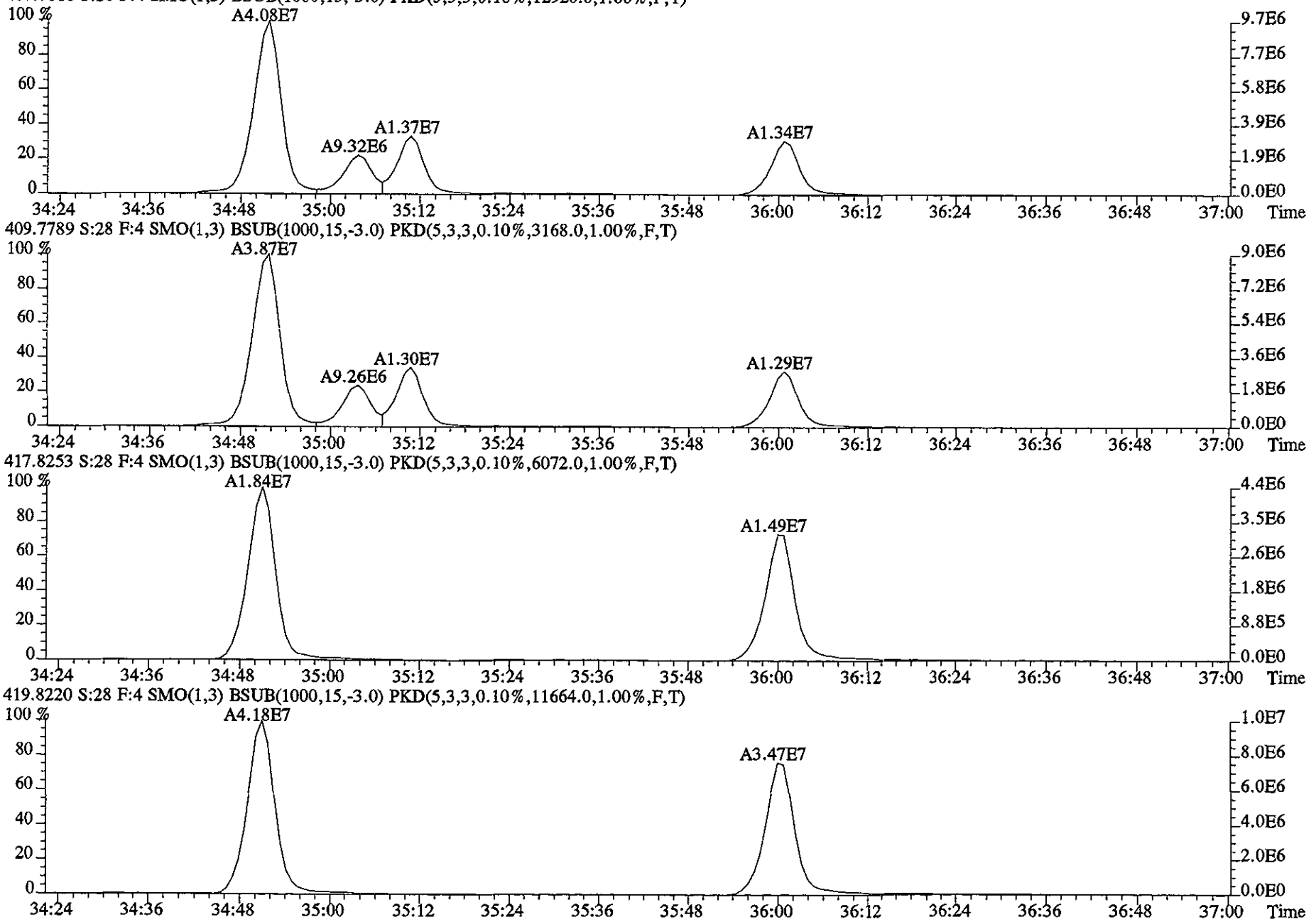


Manual Edit Codes

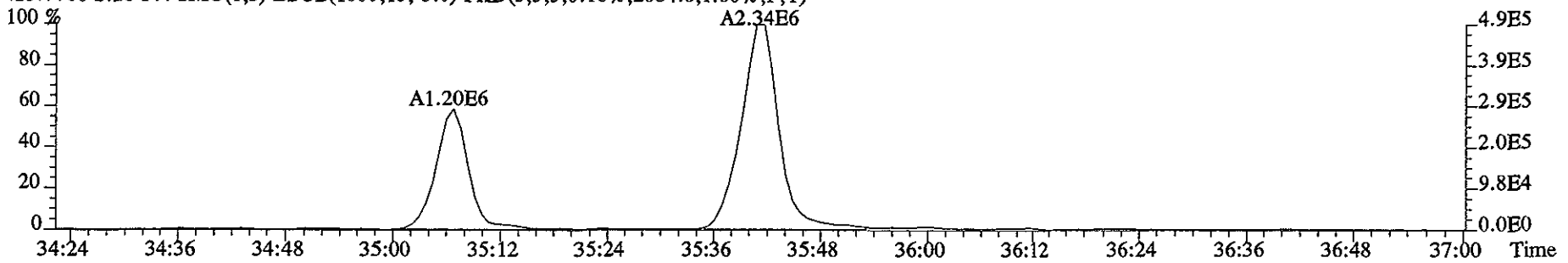
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

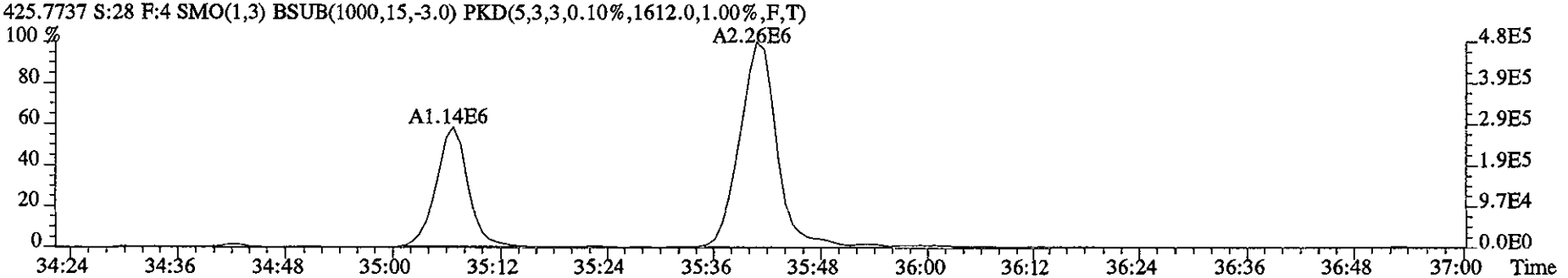
Analyst AN Date 9/16/10

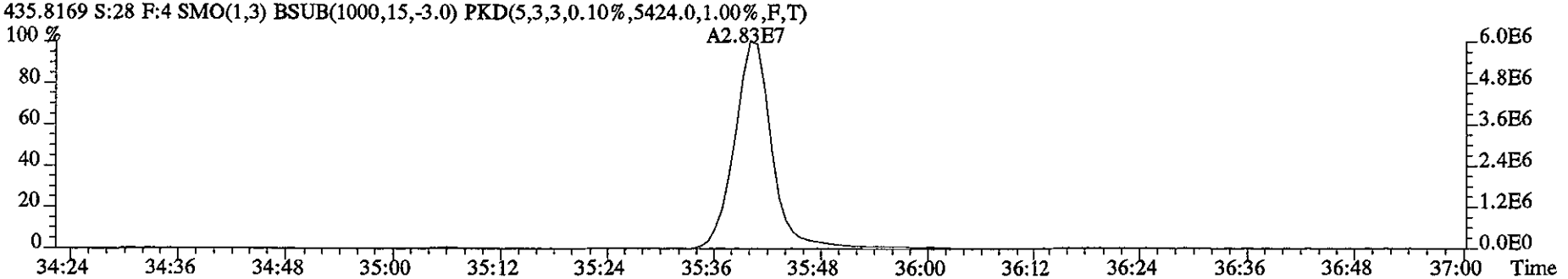
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

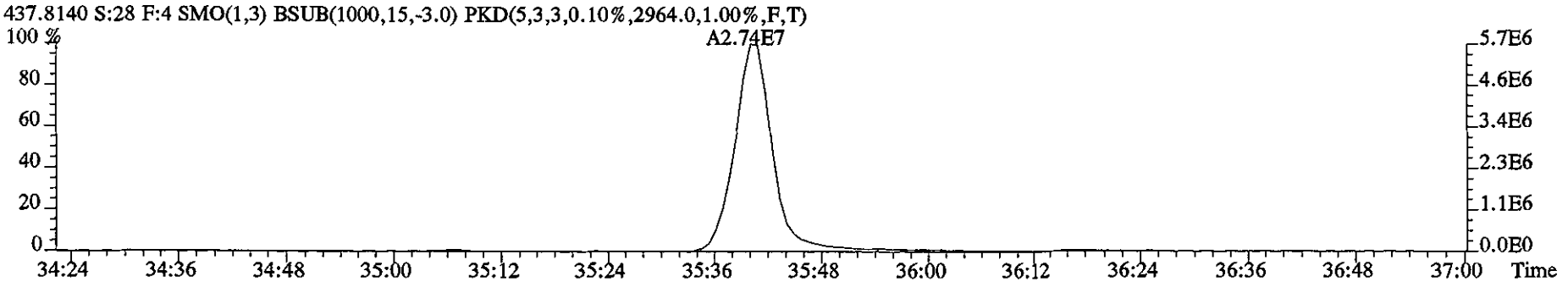


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES



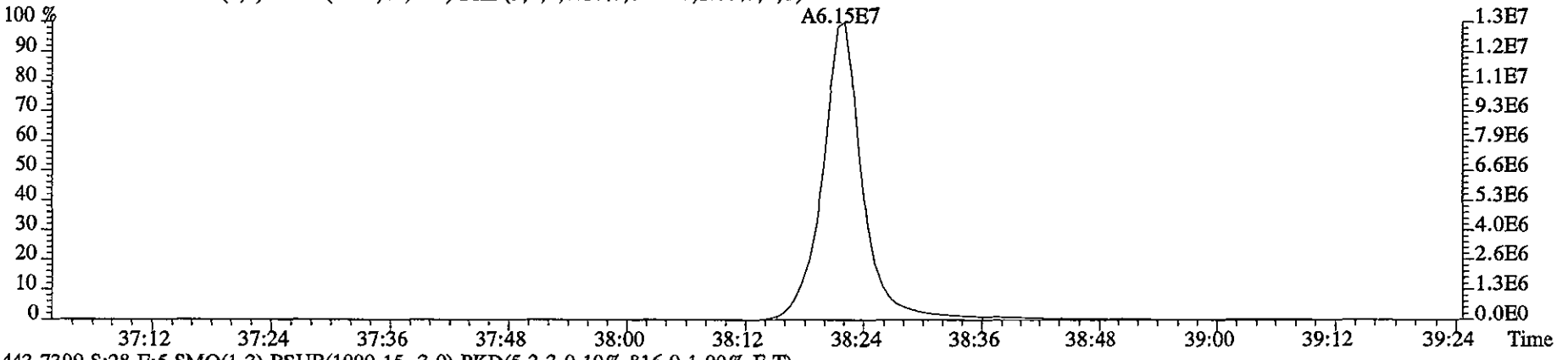




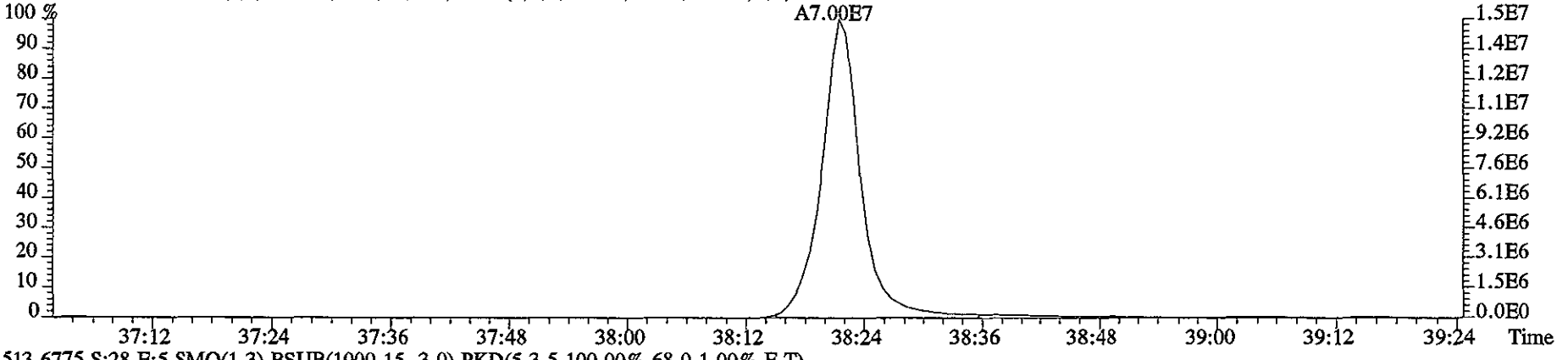


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

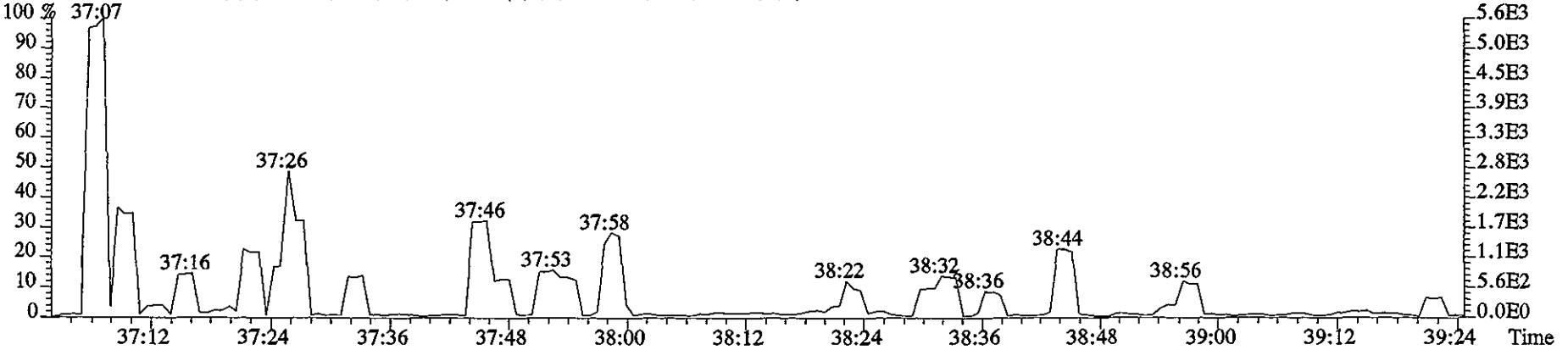
441.7428 S:28 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8156.0,1.00%,F,T)



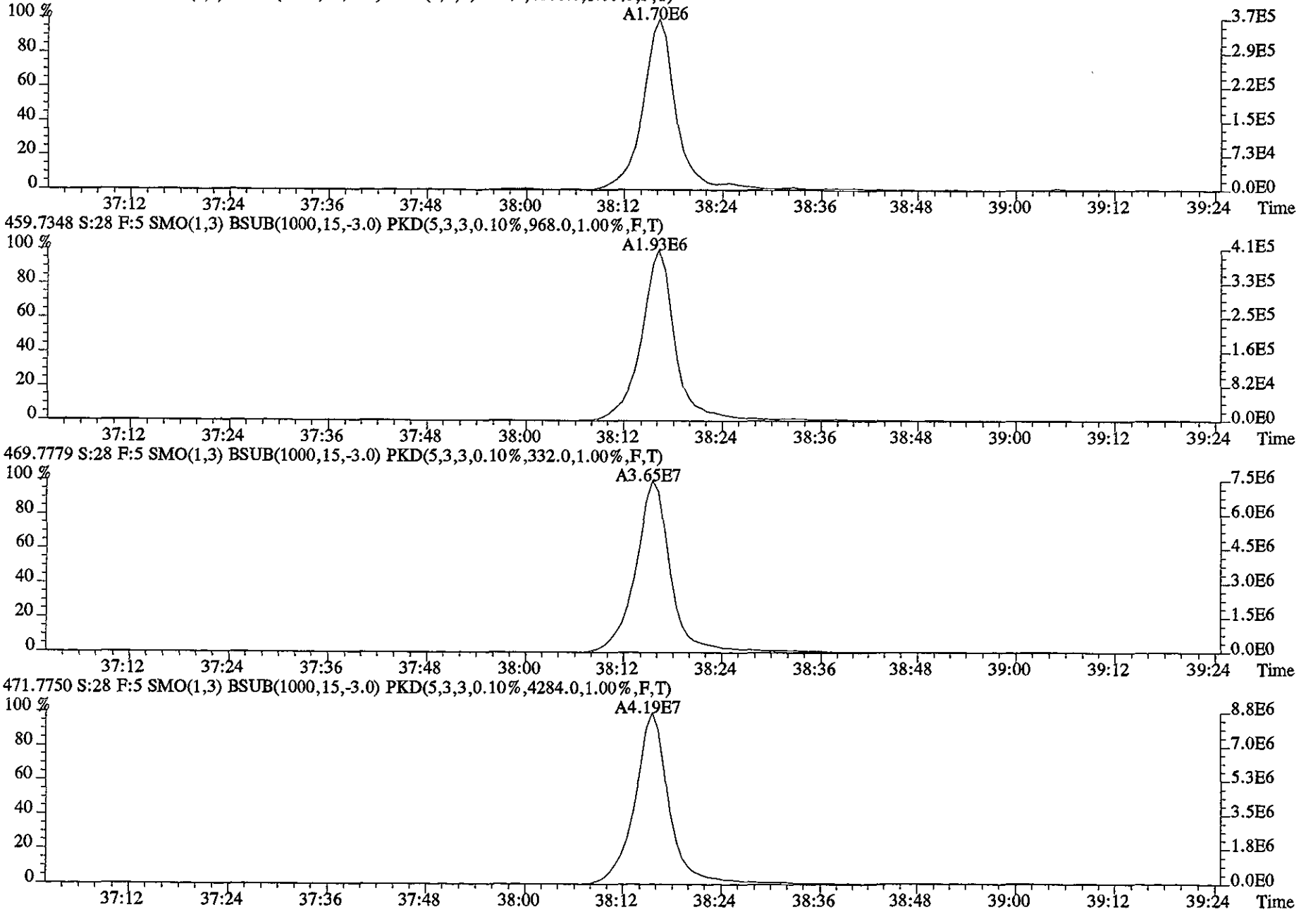
443.7399 S:28 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,816.0,1.00%,F,T)



513.6775 S:28 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,68.0,1.00%,F,T)

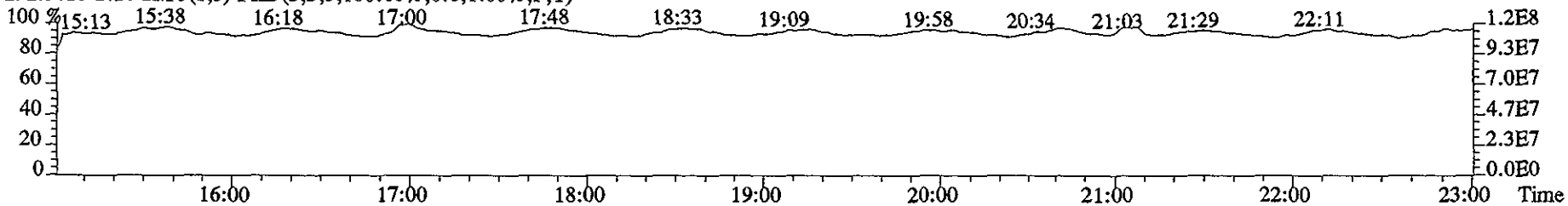


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

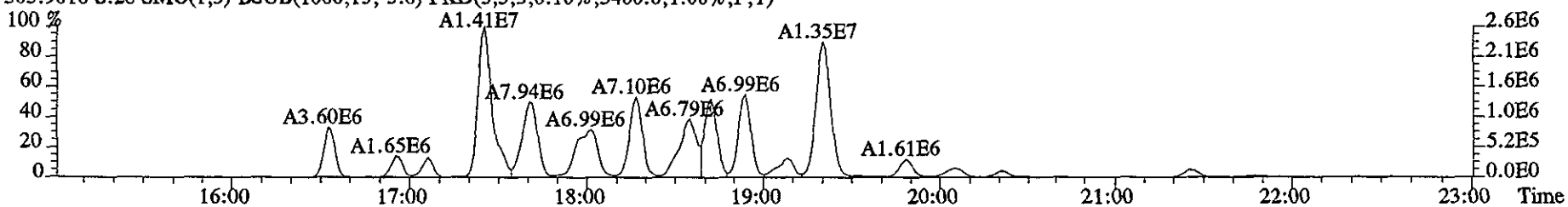


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

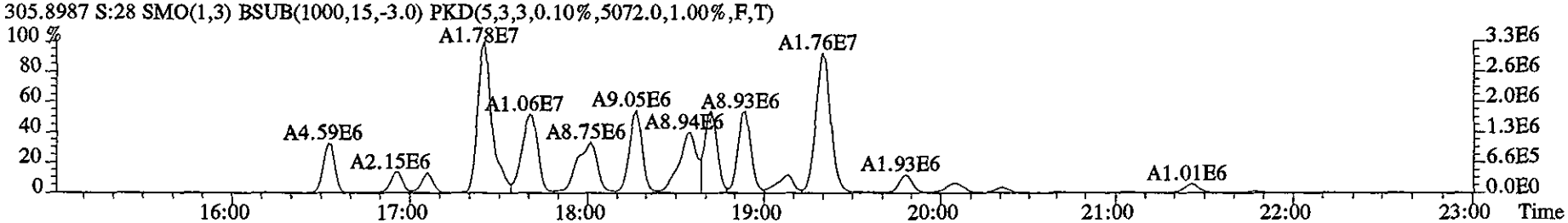
292.9825 S:28 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



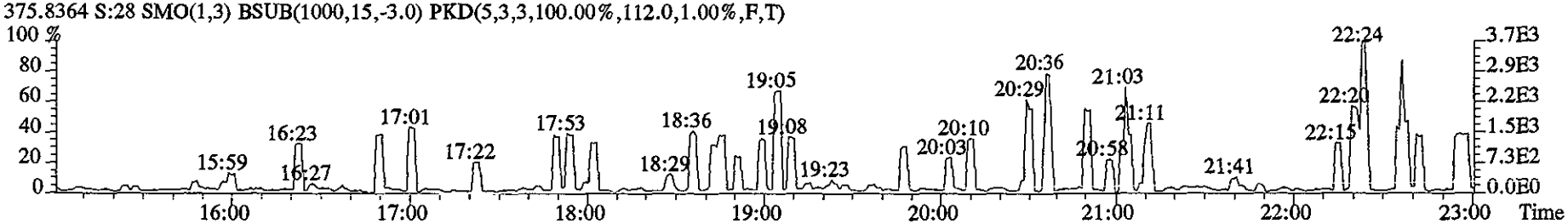
303.9016 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



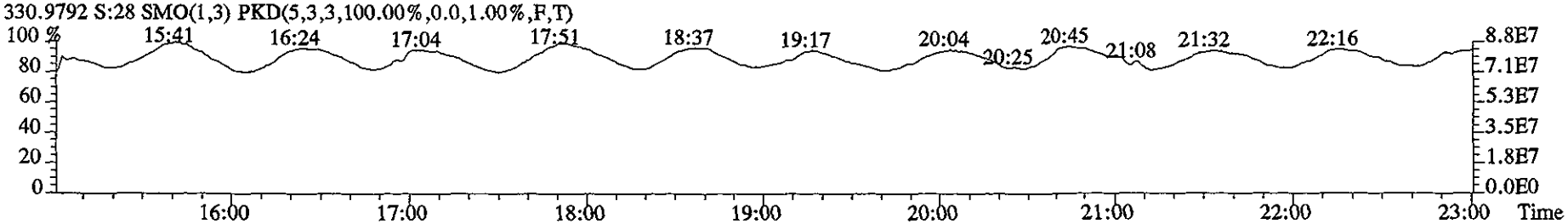
305.8987 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5072.0,1.00%,F,T)



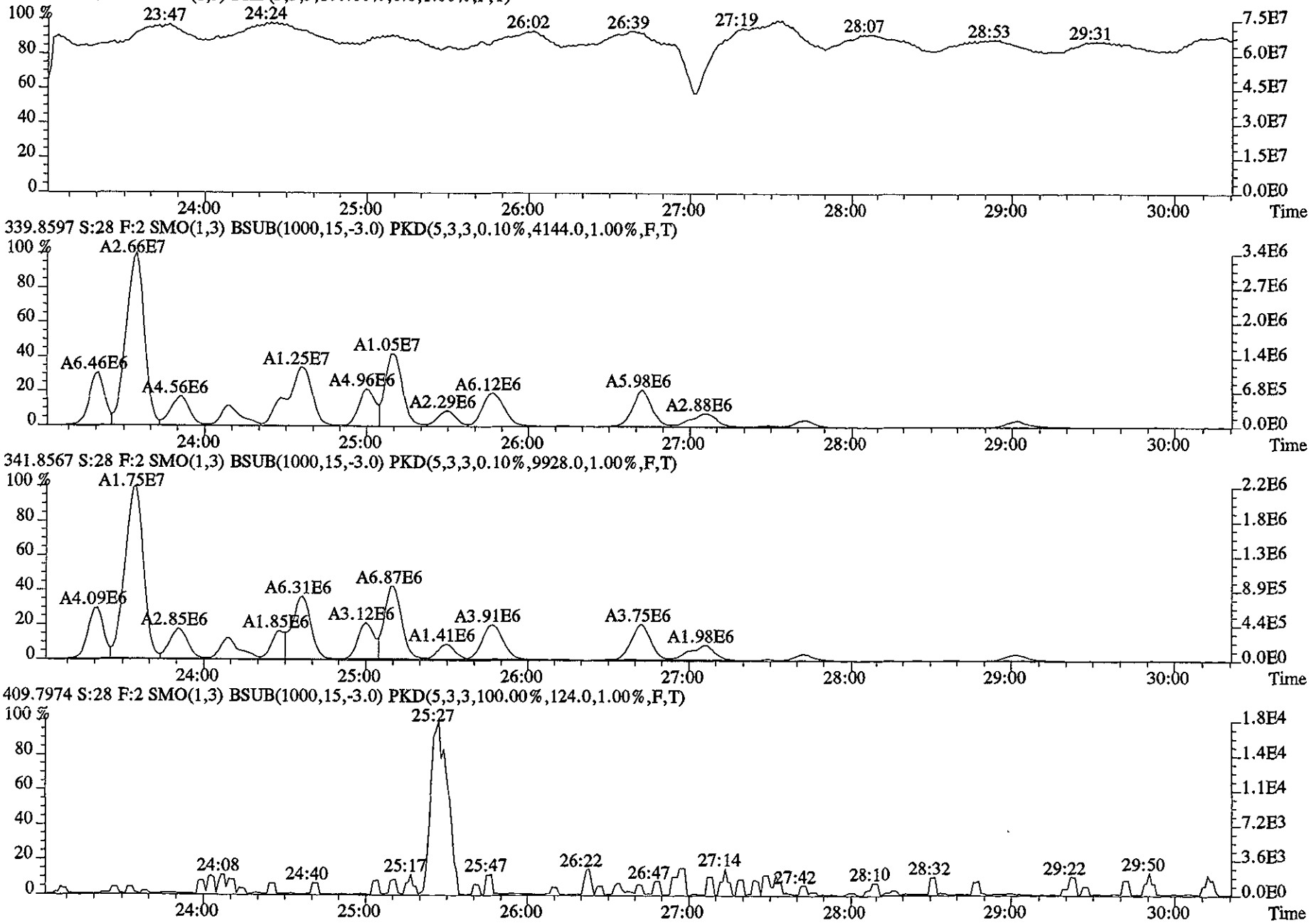
375.8364 S:28 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,112.0,1.00%,F,T)



330.9792 S:28 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

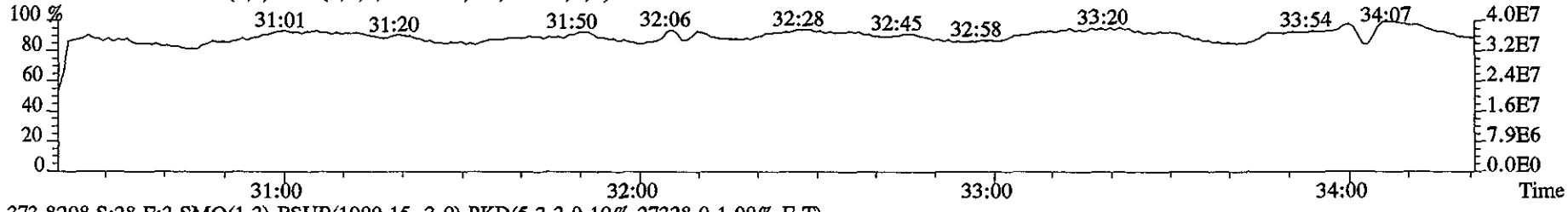


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

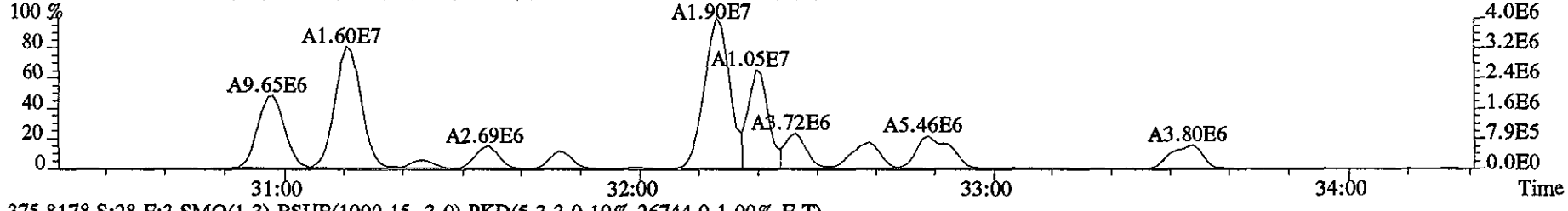


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES

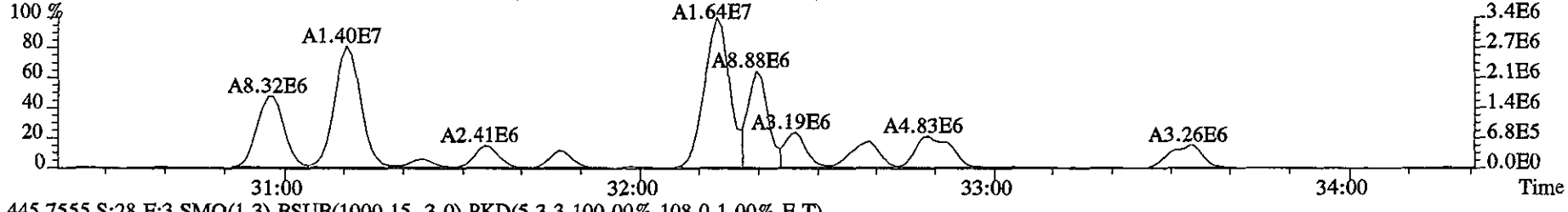
392.9760 S:28 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



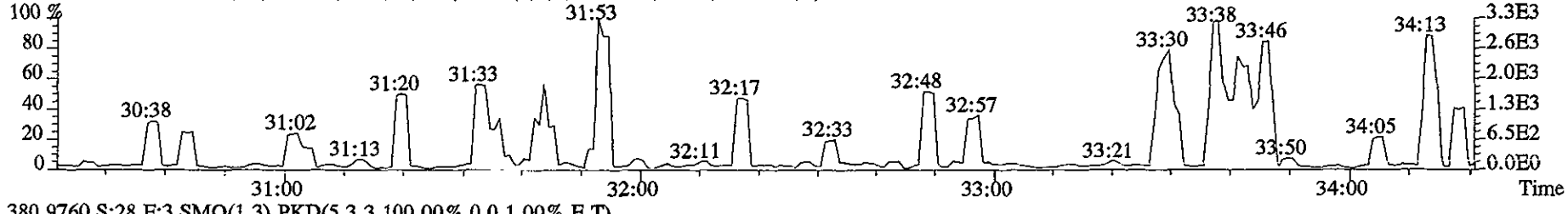
373.8208 S:28 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27328.0,1.00%,F,T)



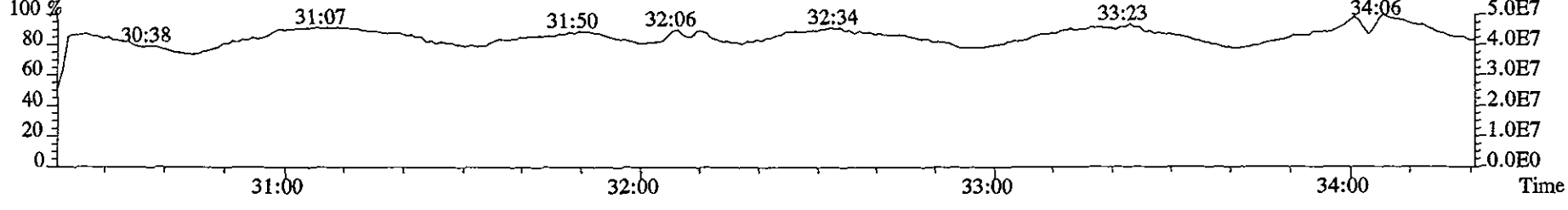
375.8178 S:28 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26744.0,1.00%,F,T)



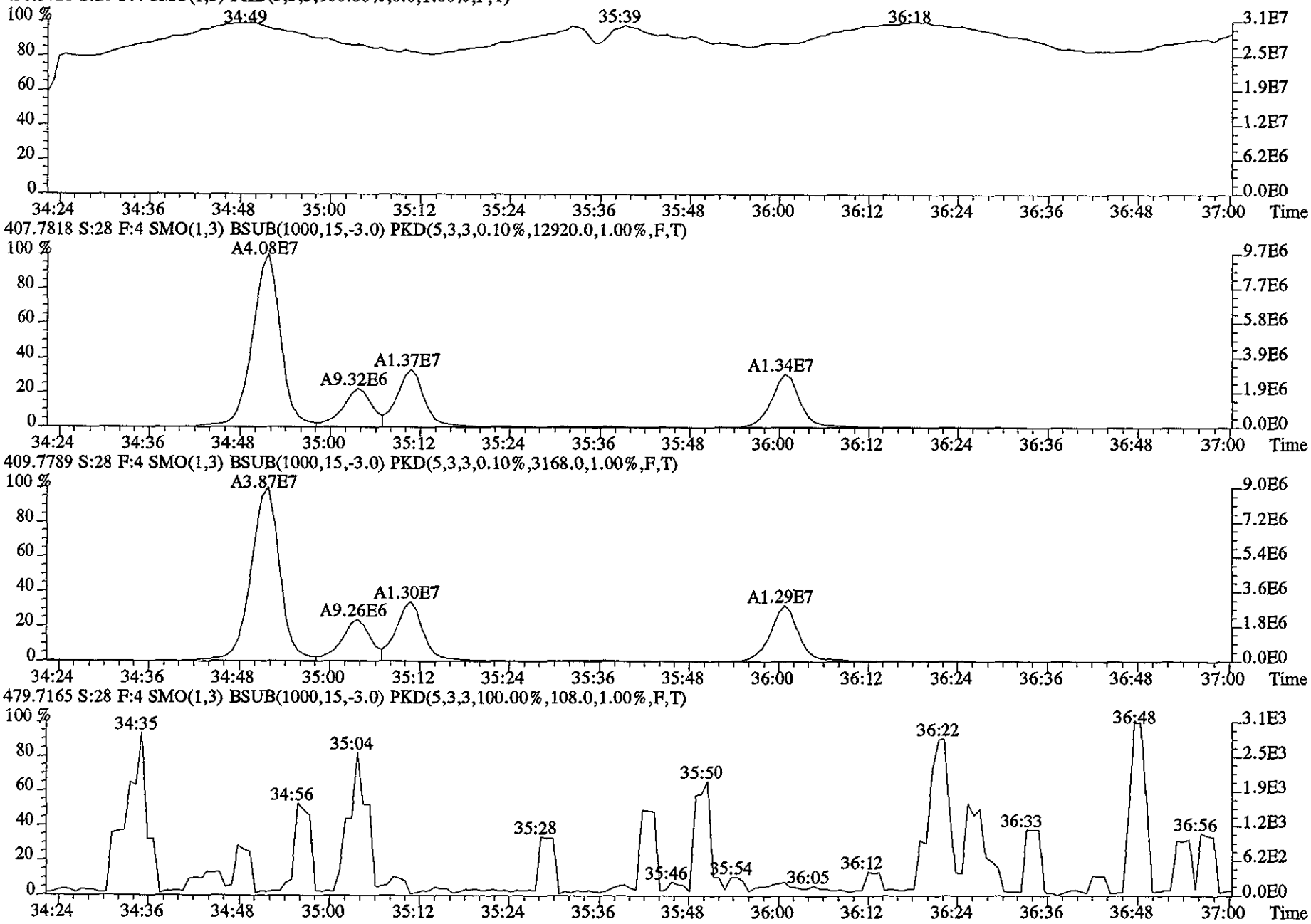
445.7555 S:28 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,108.0,1.00%,F,T)



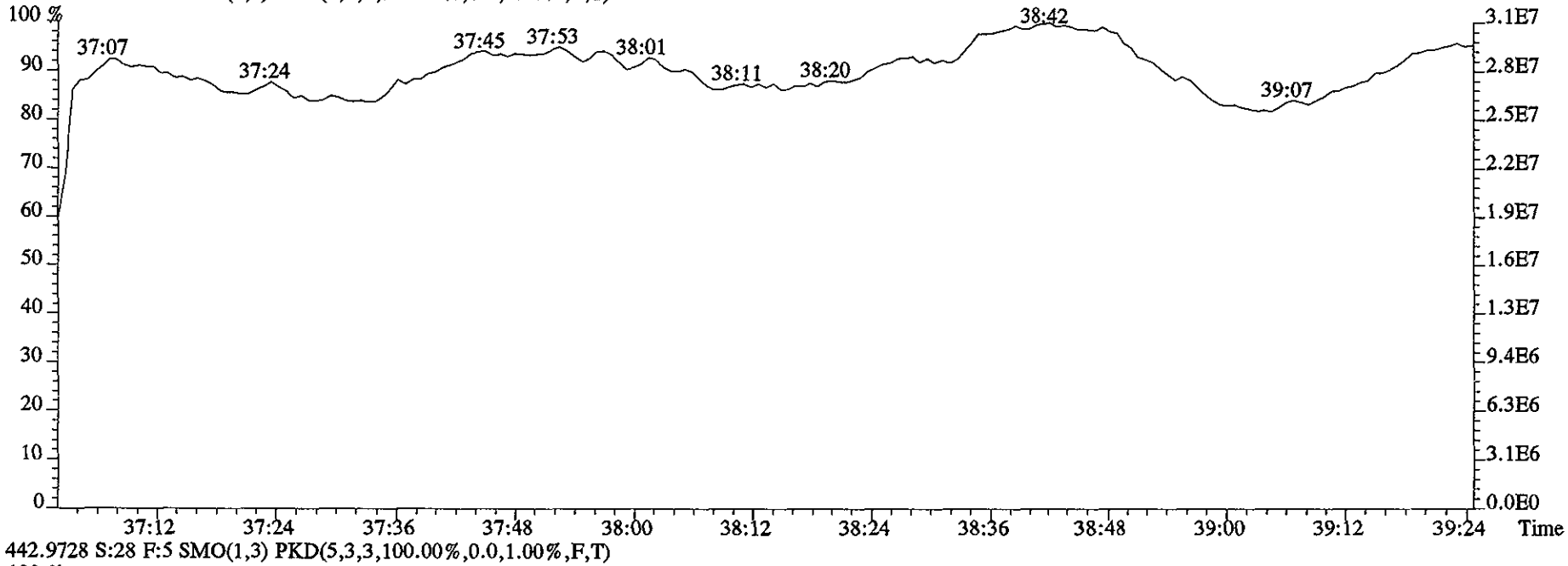
380.9760 S:28 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



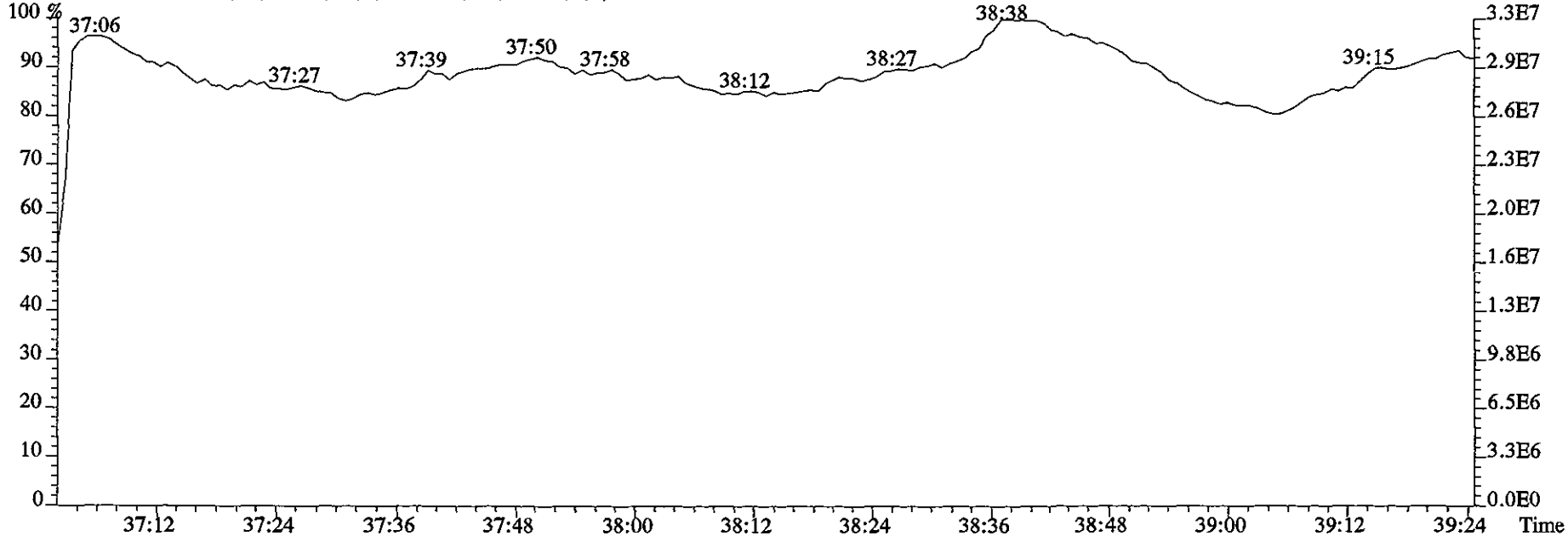
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES



File:13SE10A4D5 #1-193 Acq:14-SEP-2010 07:16:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#28 Text:L6K61-1-AA :G0I040476-6 Exp:DIOXINRES
454.9728 S:28 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:28 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

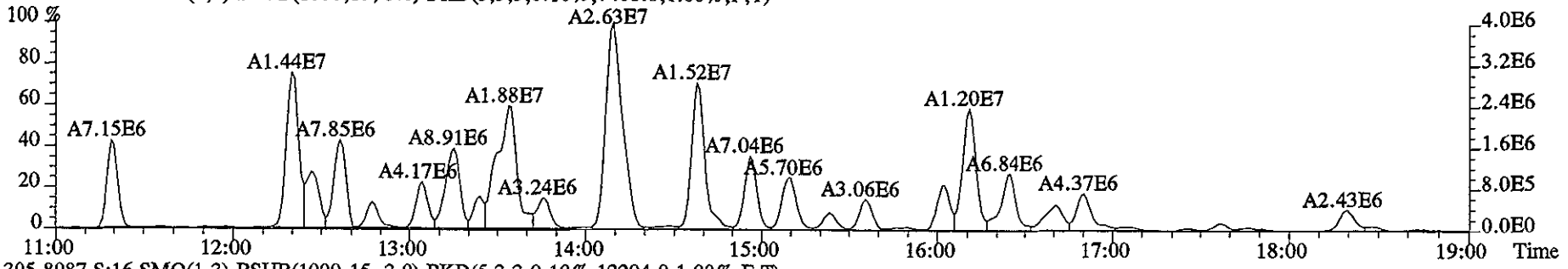


Run text: L6K62-1-AA Sample text: L6K62-1-AA :G0I040476-6
Run #9 Filename: 14SE10C5D2 S: 16 I: 1 Results: 14SE10C5D2DB225AIR
Acquired: 15-SEP-10 03:53:03 Processed: 15-SEP-10 10:05:19
Run: 14SE10C5D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000sam

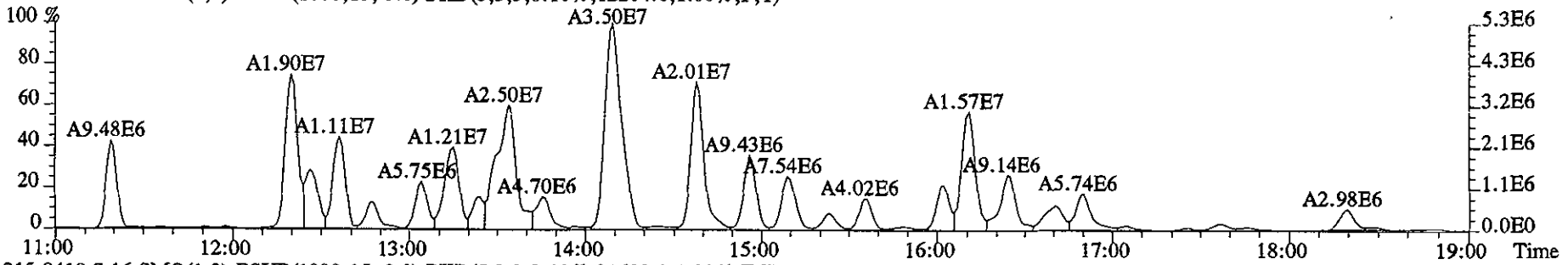
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	184188800	0.76 y	14:58	-	311.92	-	-	n
13C-2,3,7,8-TCDF	311579000	0.80 y	16:09	2.11	3204.82	10.57	80.1	n
2,3,7,8-TCDF	27709700	0.77 y	16:11	1.06	336.83	3.69	-	n
13C-2,3,7,8-TCDD	143897500	0.76 y	14:42	0.88	3532.20	22.91	88.3	n
2,3,7,8-TCDD	1768311	0.73 y	14:44	1.64	30.05	5.93	-	n
37Cl-2,3,7,8-TCDD	148921600	1.00 y	14:43	1.46	2838.97	9.76	177.4	n

AK 9/16/10

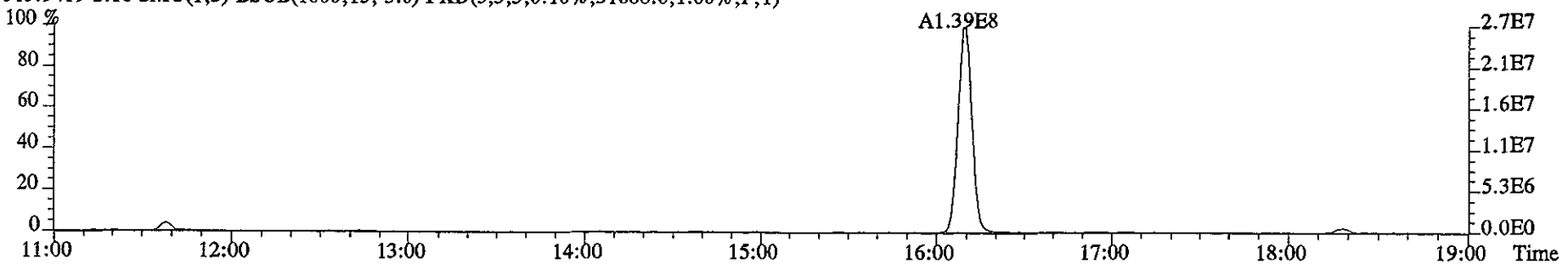
File:14SE10C5D2 #1-1242 Acq:15-SEP-2010 03:53:03 GC EI+ Voltage SIR 70SE
Sample#16 Text:L6K62-1-AA :G0I040476-6 Exp:DB225RES
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7408.0,1.00%,F,T)



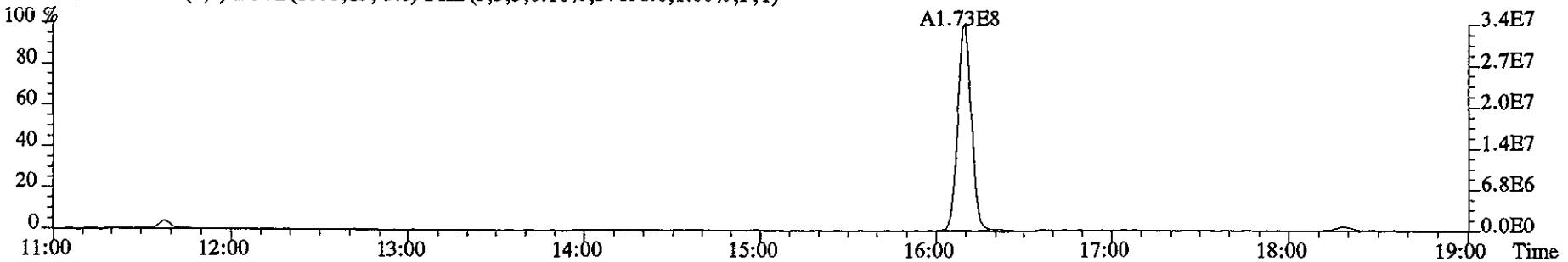
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12204.0,1.00%,F,T)



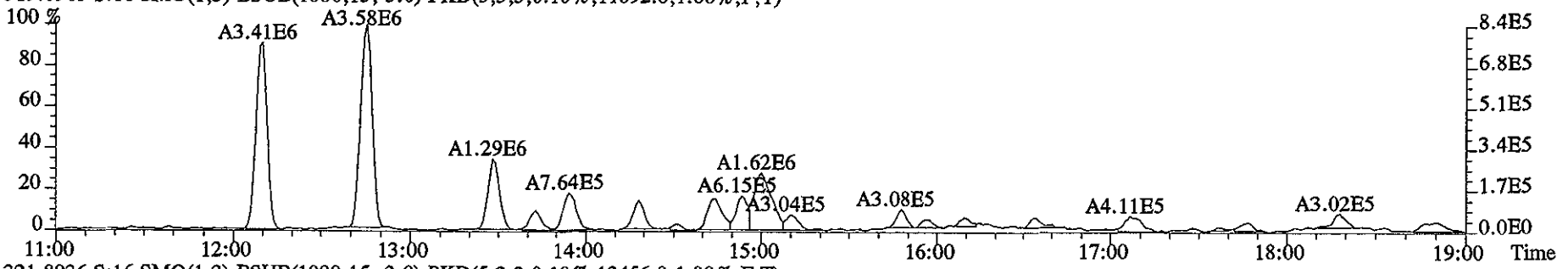
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31688.0,1.00%,F,T)



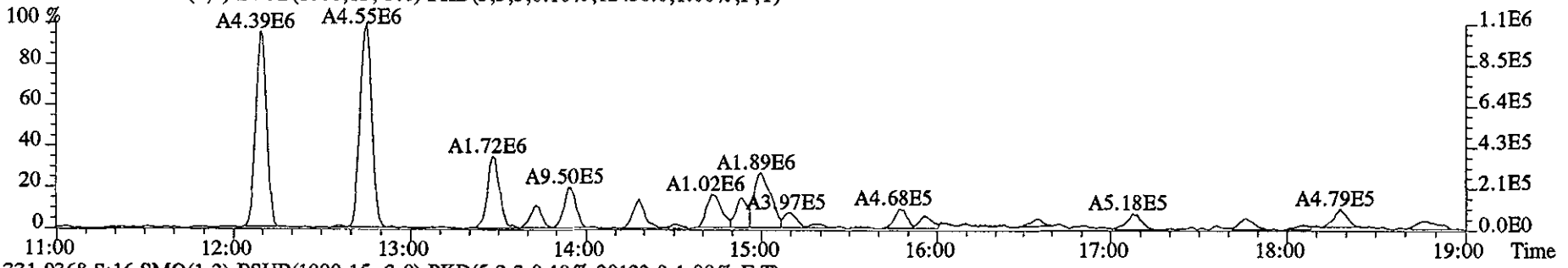
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37696.0,1.00%,F,T)



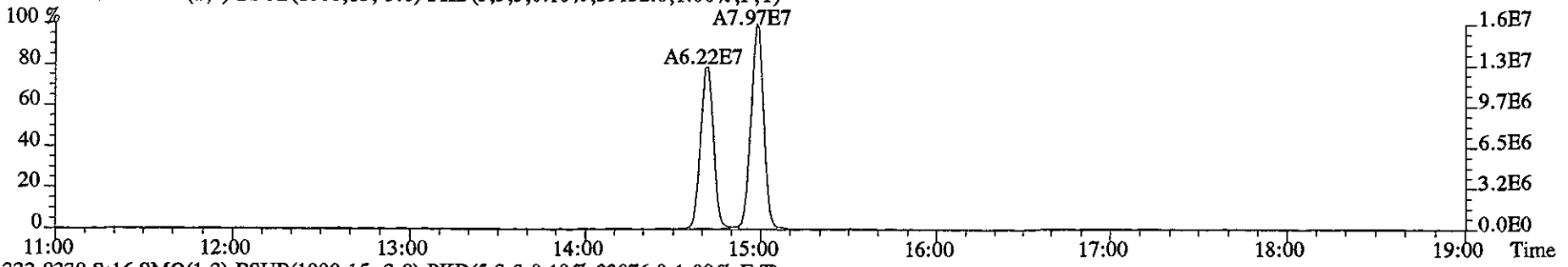
File:14SE10C5D2 #1-1242 Acq:15-SEP-2010 03:53:03 GC EI+ Voltage SIR 70SE
Sample#16 Text:L6K62-1-AA :G0I040476-6 Exp:DB225RES
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11092.0,1.00%,F,T)



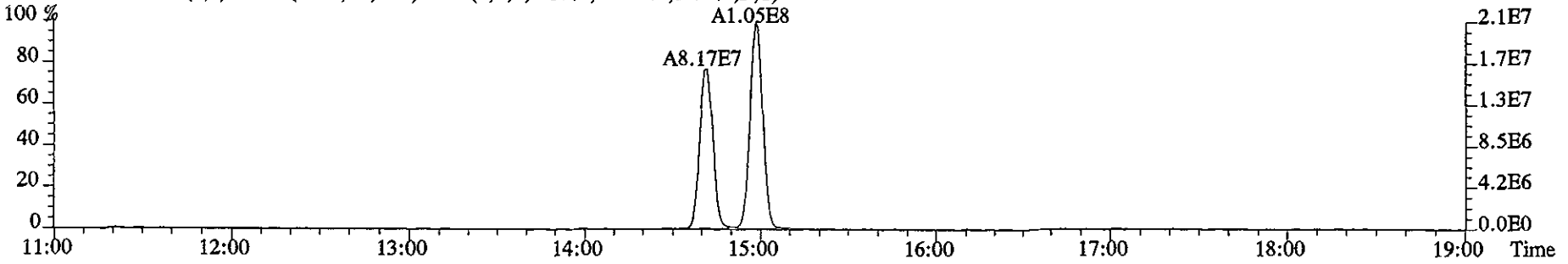
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12456.0,1.00%,F,T)



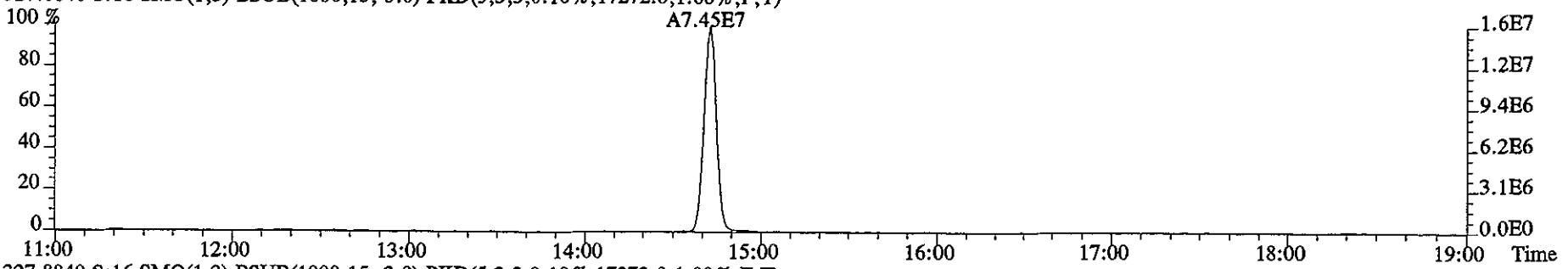
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39132.0,1.00%,F,T)



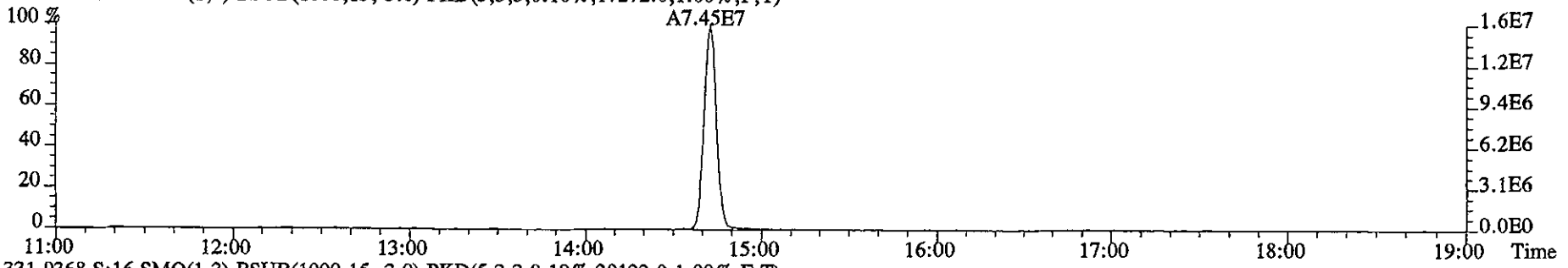
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23876.0,1.00%,F,T)



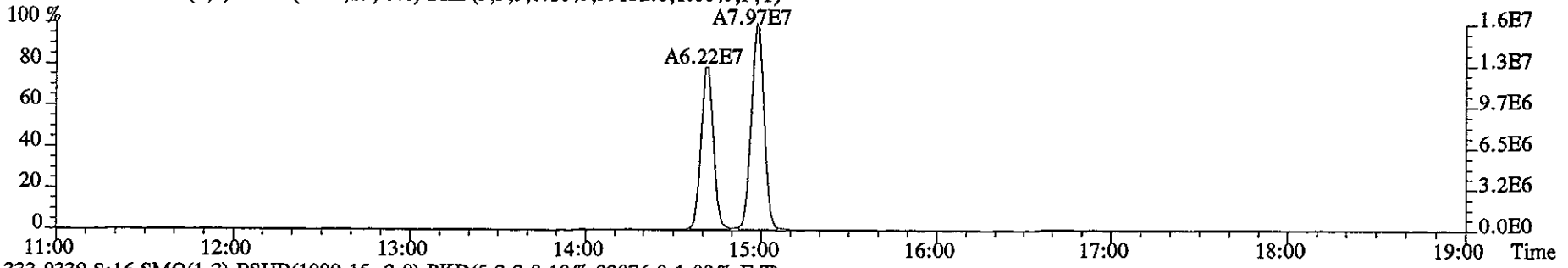
File:14SE10C5D2 #1-1242 Acq:15-SEP-2010 03:53:03 GC EI+ Voltage SIR 70SE
Sample#16 Text:L6K62-1-AA :G0I040476-6 Exp:DB225RES
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17272.0,1.00%,F,T)



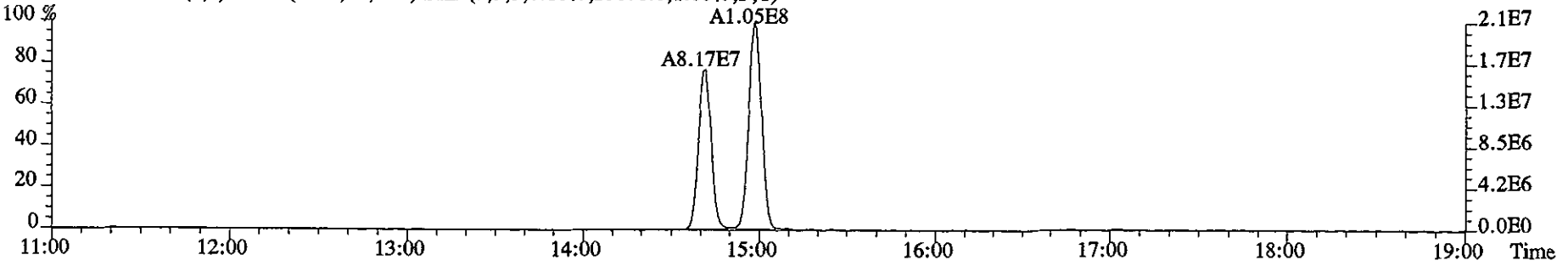
327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17272.0,1.00%,F,T)



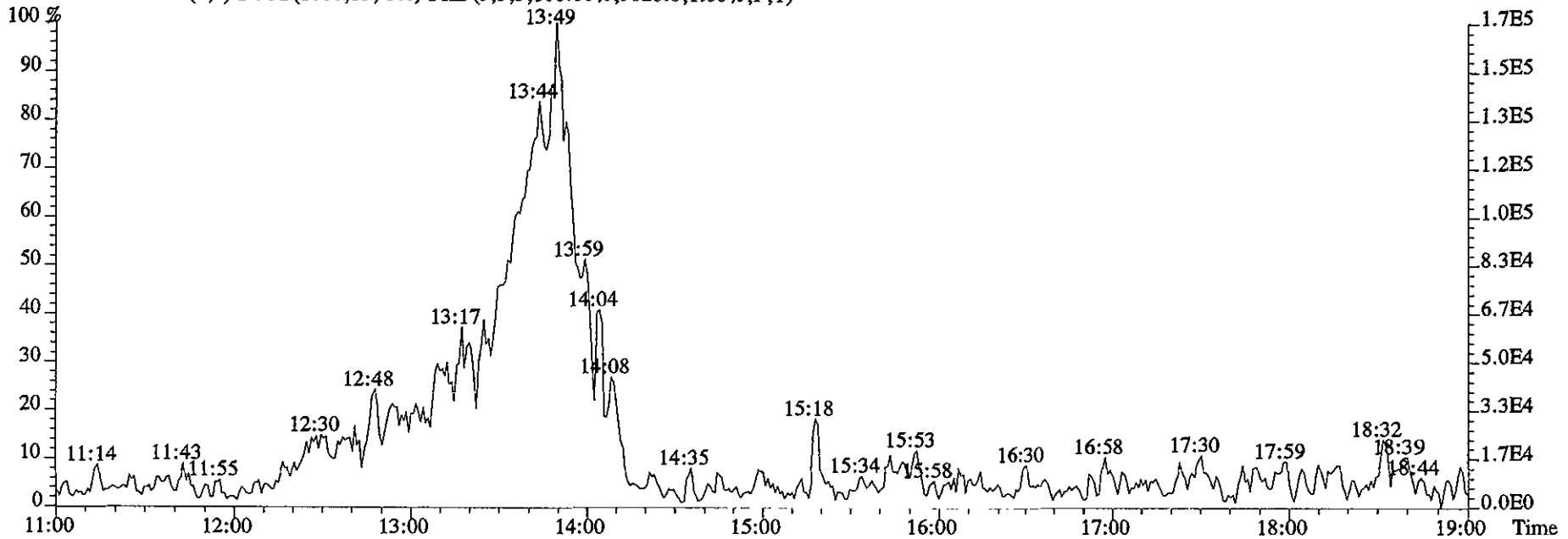
331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39132.0,1.00%,F,T)



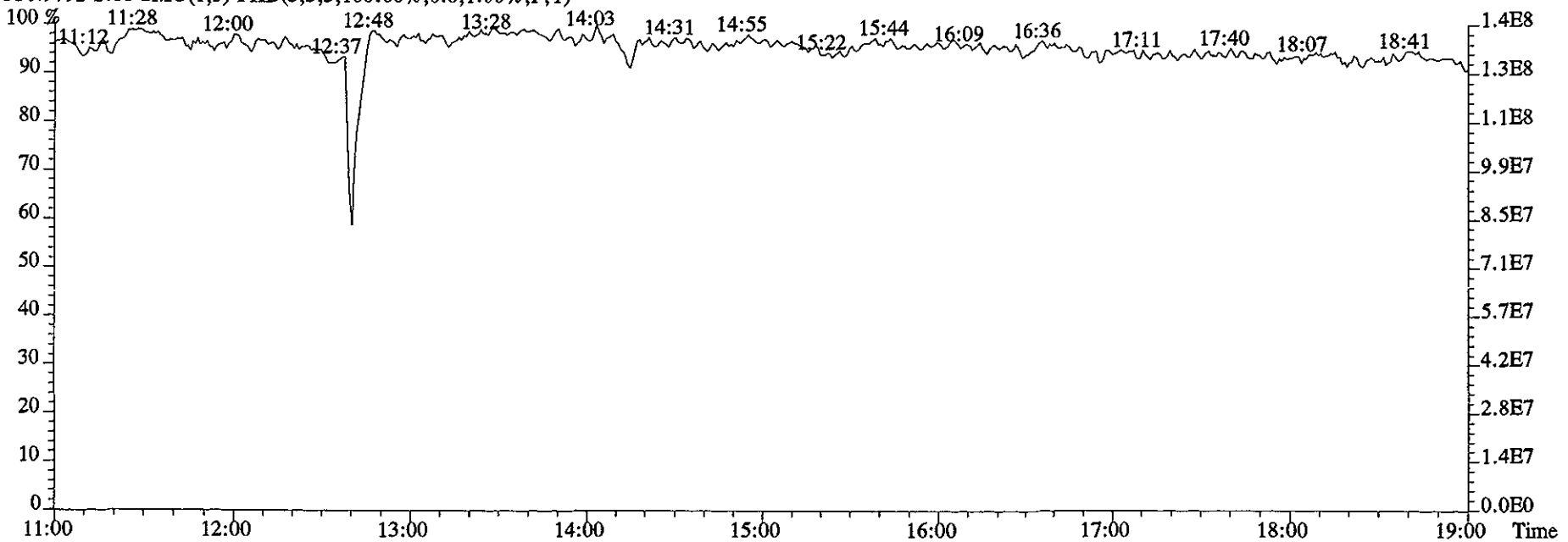
333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23876.0,1.00%,F,T)



File:14SE10C5D2 #1-1242 Acq:15-SEP-2010 03:53:03 GC EI+ Voltage SIR 70SE
Sample#16 Text:L6K62-1-AA :G0I040476-6 Exp:DB225RES
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,9028.0,1.00%,F,T)



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



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Daily Calibration Checklist
Dioxin Methods

Method ID T09 **Associated ICAL** T09 071104DS

Column ID DB-5 **Instrument ID** 4-D5

STD ID STO913B, STO913C **STD Solution** 10DXN417

Analyzed by AB **Date Analyzed** 09-13-10

Std. Pkg. By AB **Date Std. Pkg. Assembled** 09-14-10 (16 NK 9/16/10)

Std. Pkg. Reviewed By NK **Date Std. Pkg. Reviewed** 09-16-10 9/16/10

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: ST0913B File text: ST0913B :CS3 10DXN417
Run #6 Filename 13SE10A4D5 S: 16 I: 1
Acquired: 13-SEP-10 22:21:29 Processed: 14-SEP-10 10:03:14
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4D5TO9

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	133083600	0.80	y	19:54	-	100.00	-	n
13C-2,3,7,8-TCDF	194216300	0.79	y	19:19	1.46	100.00	18.7	n
2,3,7,8-TCDF	19601900	0.78	y	19:20	1.01	10.00	1.5	n
Total TCDF	19851008	0.45	n	18:16	1.01	10.00	1.5	n
13C-2,3,7,8-TCDD	126417900	0.79	y	20:08	0.95	100.00	5.0	n
2,3,7,8-TCDD	13231060	0.79	y	20:09	1.05	10.00	6.4	n
Total TCDD	13264318	0.79	y	20:09	1.05	10.00	6.4	n
37Cl-2,3,7,8-TCDD	16426680	1.00	y	20:09	1.30	10.00	-2.0	n
13C-1,2,3,7,8-PeCDF	123702700	1.57	y	25:10	0.93	100.00	6.1	n
1,2,3,7,8-PeCDF	70498200	1.50	y	25:12	1.14	50.00	5.9	n
2,3,4,7,8-PeCDF	66929400	1.51	y	26:44	1.08	50.00	3.5	n
Total F2 PeCDF	139186211	1.07	n	23:35	1.11	100.00	4.7	n
Total F1 PeCDF	84403	0.34	n	15:32	1.11	100.00	4.7	n
13C-1,2,3,7,8-PeCDD	87658000	1.62	y	27:33	0.66	100.00	-0.3	n
1,2,3,7,8-PeCDD	44217800	1.55	y	27:35	1.01	50.00	9.0	n
Total PeCDD	44217800	1.55	y	27:35	1.01	50.00	9.0	n
13C-1,2,3,7,8,9-HxCDD	83852600	1.29	y	33:19	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	83393300	0.51	y	32:14	0.99	100.00	-4.8	n
1,2,3,4,7,8-HxCDF	54271100	1.14	y	32:14	1.30	50.00	6.9	n
1,2,3,6,7,8-HxCDF	56534400	1.17	y	32:21	1.36	50.00	5.8	n
2,3,4,6,7,8-HxCDF	55075400	1.14	y	32:53	1.32	50.00	7.1	n
1,2,3,7,8,9-HxCDF	49693300	1.17	y	33:31	1.19	50.00	8.5	n
Total HxCDF	215946961	1.45	n	31:13	1.29	200.00	7.0	n
13C-1,2,3,6,7,8-HxCDD	76149500	1.31	y	33:04	0.91	100.00	9.3	n
1,2,3,4,7,8-HxCDD	36812400	1.26	y	33:01	0.97	50.00	-6.8	n
1,2,3,6,7,8-HxCDD	47133500	1.27	y	33:05	1.24	50.00	6.5	n
1,2,3,7,8,9-HxCDD	45546700	1.27	y	33:20	1.20	50.00	1.2	n
Total HxCDD	129492600	1.26	y	33:01	1.13	150.00	0.6	n
13C-1,2,3,4,6,7,8-HpCDF	72066800	0.43	y	34:51	0.86	100.00	-5.6	n
1,2,3,4,6,7,8-HpCDF	56357300	1.05	y	34:52	1.56	50.00	16.2	n
1,2,3,4,7,8,9-HpCDF	46719300	1.05	y	36:02	1.30	50.00	18.6	n
Total HpCDF	103635242	1.05	y	34:52	1.43	100.00	17.3	n
13C-1,2,3,4,6,7,8-HpCDD	65213700	1.06	y	35:41	0.78	100.00	-5.9	n
1,2,3,4,6,7,8-HpCDD	38603900	1.03	y	35:41	1.18	50.00	10.5	n
Total HpCDD	38912772	0.88	n	35:07	1.18	50.00	10.5	n
13C-OCDD	100347400	0.89	y	38:16	0.60	200.00	-3.5	n
OCDF	73656000	0.89	y	38:24	1.47	100.00	7.1	n
OCDD	61282100	0.90	y	38:17	1.22	100.00	1.8	n

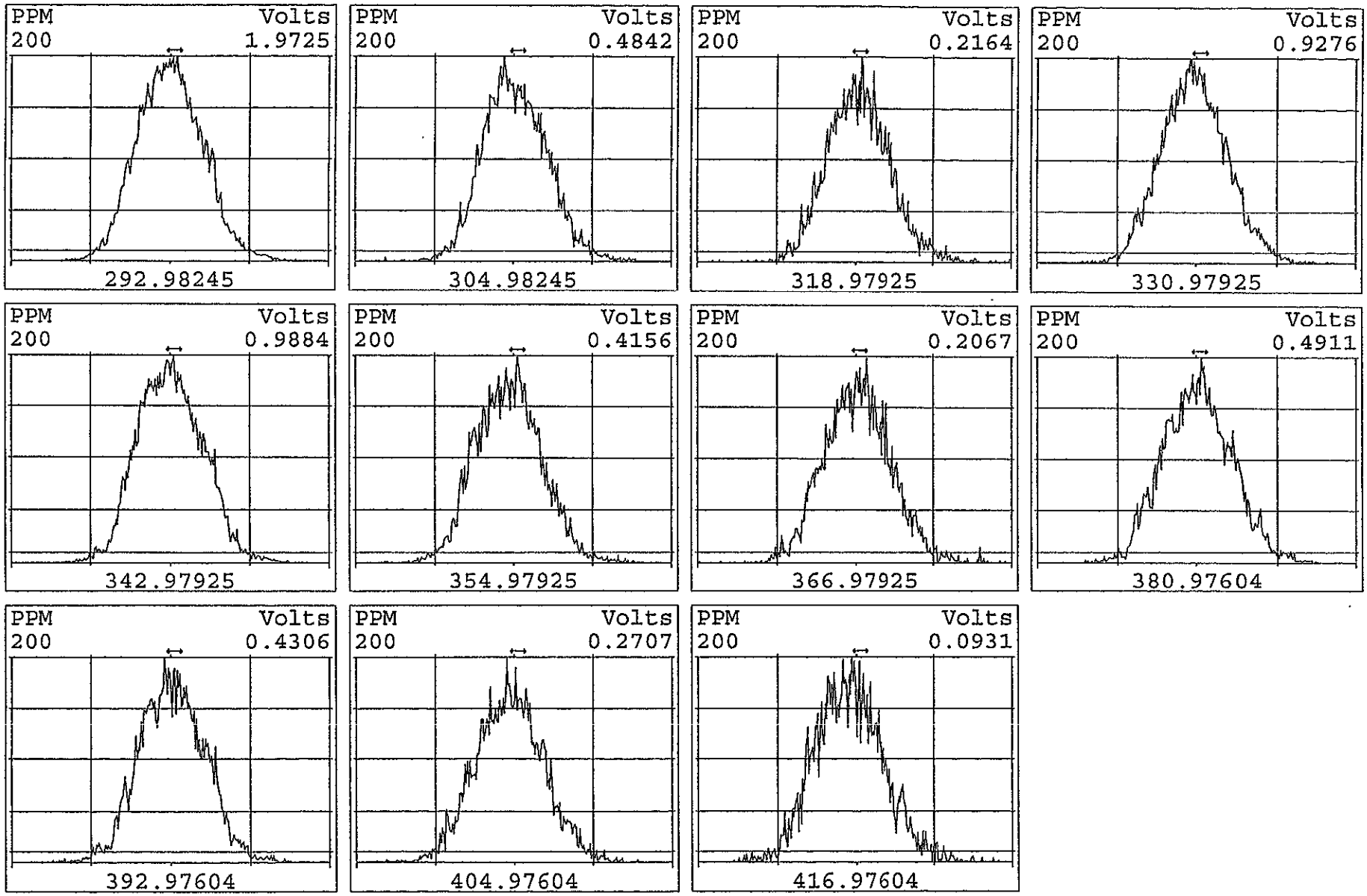
Run text: ST0913C File text: ST0913C :CS3 10DXN417
Run #16 Filename 13SE10A4D5 S: 31 I: 1
Acquired: 14-SEP-10 09:29:54 Processed: 14-SEP-10 11:58:04
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	132519500	0.79 y	19:54	-	100.00	-	n
13C-2,3,7,8-TCDF	194275000	0.80 y	19:19	1.47	100.00	19.3	n
2,3,7,8-TCDF	19307220	0.79 y	19:20	0.99	10.00	-0.1	n
Total TCDF	19479645	1.11 n	17:25	0.99	10.00	-0.1	n
13C-2,3,7,8-TCDD	124705700	0.78 y	20:07	0.94	100.00	4.0	n
2,3,7,8-TCDD	12775490	0.77 y	20:09	1.02	10.00	4.2	n
Total TCDD	12906209	0.94 n	15:55	1.02	10.00	4.2	n
37Cl-2,3,7,8-TCDD	15433060	1.00 y	20:09	1.24	10.00	-6.7	n
13C-1,2,3,7,8-PeCDF	121621300	1.55 y	25:09	0.92	100.00	4.8	n
1,2,3,7,8-PeCDF	67113200	1.52 y	25:11	1.10	50.00	2.5	n
2,3,4,7,8-PeCDF	61094400	1.53 y	26:43	1.00	50.00	-3.9	n
Total F2 PeCDF	129289041	1.62 y	23:34	1.05	100.00	-0.7	n
Total F1 PeCDF	45515	0.52 n	15:35	1.05	100.00	-0.7	n
13C-1,2,3,7,8-PeCDD	84626000	1.55 y	27:33	0.64	100.00	-3.4	n
1,2,3,7,8-PeCDD	42031900	1.56 y	27:34	0.99	50.00	7.3	n
Total PeCDD	42054465	2.30 n	25:28	0.99	50.00	7.3	n
13C-1,2,3,7,8,9-HxCDD	76363700	1.28 y	33:20	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	73006300	0.50 y	32:13	0.96	100.00	-8.5	n
1,2,3,4,7,8-HxCDF	48680200	1.24 y	32:14	1.33	50.00	9.6	n
1,2,3,6,7,8-HxCDF	54377400	1.12 y	32:21	1.49	50.00	16.2	n
2,3,4,6,7,8-HxCDF	48331300	1.14 y	32:53	1.32	50.00	7.3	n
1,2,3,7,8,9-HxCDF	43324500	1.17 y	33:31	1.19	50.00	8.1	n
Total HxCDF	194845300	1.30 y	31:12	1.33	200.00	10.4	n
13C-1,2,3,6,7,8-HxCDD	66351300	1.32 y	33:04	0.87	100.00	4.6	n
1,2,3,4,7,8-HxCDD	34744700	1.24 y	33:00	1.05	50.00	1.0	n
1,2,3,6,7,8-HxCDD	40037400	1.27 y	33:05	1.21	50.00	3.8	n
1,2,3,7,8,9-HxCDD	40165200	1.27 y	33:21	1.21	50.00	2.5	n
Total HxCDD	114947300	1.24 y	33:00	1.15	150.00	2.5	n
13C-1,2,3,4,6,7,8-HpCDF	65194700	0.44 y	34:52	0.85	100.00	-6.2	n
1,2,3,4,6,7,8-HpCDF	49583300	1.06 y	34:53	1.52	50.00	13.0	n
1,2,3,4,7,8,9-HpCDF	41495300	1.05 y	36:02	1.27	50.00	16.4	n
Total HpCDF	91673664	1.06 y	34:53	1.40	100.00	14.5	n
13C-1,2,3,4,6,7,8-HpCDD	60292900	1.05 y	35:41	0.79	100.00	-4.5	n
1,2,3,4,6,7,8-HpCDD	34700000	1.02 y	35:42	1.15	50.00	7.4	n
Total HpCDD	35012769	1.12 y	35:08	1.15	50.00	7.4	n
13C-OCDD	86423300	0.88 y	38:16	0.57	200.00	-8.7	n
OCDF	63060000	0.90 y	38:22	1.46	100.00	6.5	n
OCDD	51582400	0.90 y	38:17	1.19	100.00	-0.5	n

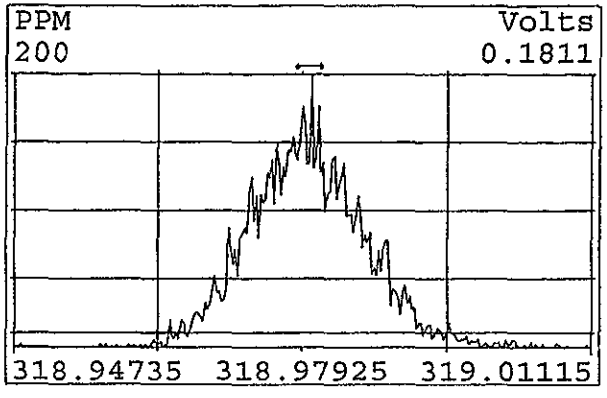
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
13SE10A4D5	1	CP0913	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	2	ST0913	CS3 10DXN417				1.00000	
13SE10A4D5	3	L6RV3-1-AA	G0I100000-188 (493-3MB)	20	8290/SOLID	35	10.00000	g
13SE10A4D5	4	L540Q-1-AC	G0H250518-1	20	8290/SOLID		5.91000	g
13SE10A4D5	5	L540T-1-AC	G0H250518-2	20	8290/SOLID		5.35000	g
13SE10A4D5	6	L540V-1-AC	G0H250518-3	20	8290/SOLID		5.77000	g
13SE10A4D5	7	L540W-1-AC	G0H250518-4	20	8290/SOLID		5.91000	g
13SE10A4D5	8	L5400-1-AC	G0H250518-5	20	8290/SOLID		5.70000	g
13SE10A4D5	9	L5401-1-AC	G0H250518-6	20	8290/SOLID		5.03000	g
13SE10A4D5	10	L5402-1-AA	G0H250518-7	20	8290/WATER	30	1.04266	L
13SE10A4D5	11	L6RV3-1-AC	G0I100000-188 (493-3LCS)	20	8290/SOLID	35	10.00000	g
13SE10A4D5	12	L6J7M-1-AD	G0I030604-2 (10X)	20	8290/SOLID	25	10.38000	g
13SE10A4D5	13	L57W6-1-AC	G0H270000-208 (488-LCS)	20	8290/WATER	18	1.00000	L
13SE10A4D5	14	L57W6-1-AA	G0H270000-208 (488-MB)	20	8290/WATER		1.00000	L
13SE10A4D5	15	ST0913A	CS3 10DXN417				1.00000	
13SE10A4D5	16	ST0913B	CS3 10DXN417				1.00000	
13SE10A4D5	17	CP0913A	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	18	L6QEG-1-AA	G0H270000-314 (445-MB)	20	8290A/SOLID	R77	10.00000	g
13SE10A4D5	19	L6QEG-1-AC	G0H270000-314 (445-LCS)	20	8290A/SOLID		10.00000	g
13SE10A4D5	20	L50XJ-1-AA	A0H210445-1	20	8290A/SOLID		9.87000	g
13SE10A4D5	21	L54RX-1-AA	G0H250488-1	20	8290/WATER	18	1.00538	L
13SE10A4D5	22	L54R5-1-AA	G0H250491-1	20	8290/WATER		1.01906	L
13SE10A4D5	23	L6K6V-1-AA	G0I040476-1	20	TO-9/AIR	33	0.50000	sam
13SE10A4D5	24	L6K6W-1-AA	G0I040476-2	20	TO-9/AIR		0.50000	sam
13SE10A4D5	25	L6K6X-1-AA	G0I040476-3	20	TO-9/AIR		0.50000	sam
13SE10A4D5	26	L6K60-1-AA	G0I040476-4	20	TO-9/AIR		0.50000	sam
13SE10A4D5	27	L6K60-1-AA	G0I040476-5	20	TO-9/AIR		0.50000	sam
13SE10A4D5	28	L6K61-1-AA	G0I040476-6	20	TO-9/AIR		0.50000	sam
13SE10A4D5	29	L6L6Q-1-AC	G0I040476-1LCS	20	TO-9/AIR		0.50000	sam
13SE10A4D5	30	L6L6Q-1-AD	G0I040476-1DCS	20	TO-9/AIR		0.50000	sam
13SE10A4D5	31	ST0913C ✓	CS3 10DXN417				1.00000	
13SE10A4D5	32	CP0913B	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	33	L6L6Q-1-AA	G0I040476-1MB		TO-9/AIR	33	0.50000	sam
13SE10A4D5	34	L577W-1-AE	F0H270498-1	20	8290/SOLID	34	10.17500	g
13SE10A4D5	35	L579C-1-AE	F0H270498-2	20	8290/SOLID		10.26500	g
13SE10A4D5	36	L579T-1-AE	F0H270498-6	20	8290/SOLID		10.02500	g
13SE10A4D5	37	L6L0M-1-AC	F0H270498-1LCS	20	8290/SOLID		10.00000	g
13SE10A4D5	38	L6L0M-1-AA	F0H270498-1MB	20	8290/SOLID		10.00000	g
13SE10A4D5	39	L6NP5-1-AD	G0I080557-1	20	8290/SOLID	34	10.58000	g
13SE10A4D5	40	L6NP6-1-AD	G0I080557-2	20	8290/SOLID		10.36000	g
13SE10A4D5	41	L6NQ3-1-AD	G0I080561-1	20	8290/SOLID	34	9.76000	g
13SE10A4D5	42	L6NQ6-1-AD	G0I080561-2	20	8290/SOLID		10.20000	g
13SE10A4D5	43	L6NQ7-1-AD	G0I080562-1	20	8290/SOLID	34	9.96000	g
13SE10A4D5	44	L6NRA-1-AD	G0I080562-2	20	8290/SOLID		10.30000	g
13SE10A4D5	45	L6QC1-1-AC	G0I090000-306 (557-LCS)	20	8290/SOLID		10.00000	g
13SE10A4D5	46	ST0913D ✓	CS3 10DXN417				1.00000	
13SE10A4D5	47	CP0913B	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	48	L6QC1-1-AA	G0I090000-306 (557-MB)	20	8290/SOLID	34	10.00000	g
13SE10A4D5	49	L6NQH-1-AD	G0I080560-1	20	8290/SOLID	34	10.00000	g
13SE10A4D5	50	L6NQQ-1-AD	G0I080560-2	20	8290/SOLID		10.08000	g
13SE10A4D5	51	L6NRH-1-AD	G0I080565-1	20	8290/SOLID		9.92000	g
13SE10A4D5	52	L6NRL-1-AD	G0I080565-2	20	8290/SOLID		10.24000	g
13SE10A4D5	53	L6NRN-1-AD	G0I080566-1	20	8290/SOLID	34	10.10000	g

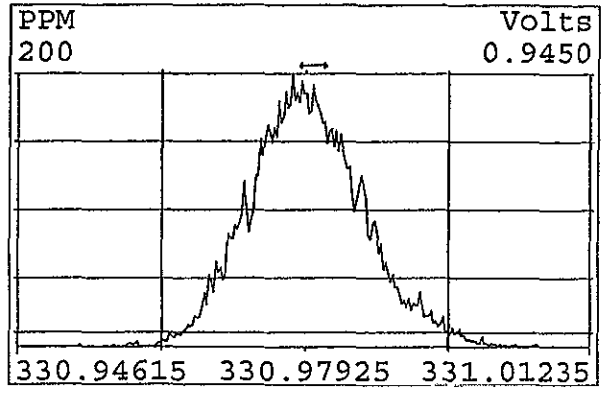
13SE10A4D5	54	L6NRR-1-AD	G0I080566-2	20	8290/SOLID		9.91000 g
13SE10A4D5	55	L6NRT-1-AD	G0I080566-1	20	8290/SOLID		9.98000 g
13SE10A4D5	56	L6NRW-1-AD	G0I080566-2	20	8290/SOLID		9.98000 g
13SE10A4D5	57	L5815-1-AC	G0H0280420-1	20	8290/SOLID	28	10.84000 g
13SE10A4D5	58	L5819-1-AC	G0H0280420-2	20	8290/SOLID		10.22000 g
13SE10A4D5	59	L582C-1-AC	G0H0280420-3	20	8290/SOLID		10.77000 g
13SE10A4D5	60	SB0913	Solvent Blank c-14				1.00000
13SE10A4D5	61	ST0913E	CS3 10DXN417				1.00000
13SE10A4D5	62	CP0913B	DB-5 CPSM 3732-08				1.00000
13SE10A4D5	63	SB0913A	Solvent Blank c-14				1.00000
13SE10A4D5	64	L582E-1-AC	G0H0280420-4	20	8290/SOLID	28	10.71000 g
13SE10A4D5	65	L582G-1-AC	G0H0280420-5	20	8290/SOLID		10.40000 g
13SE10A4D5	66	L582H-1-AC	G0H0280420-6	20	8290/SOLID		10.04000 g
13SE10A4D5	67						1.00000
13SE10A4D5	68						1.00000
13SE10A4D5	69						1.00000
13SE10A4D5	70		AS 09-13-10				1.00000

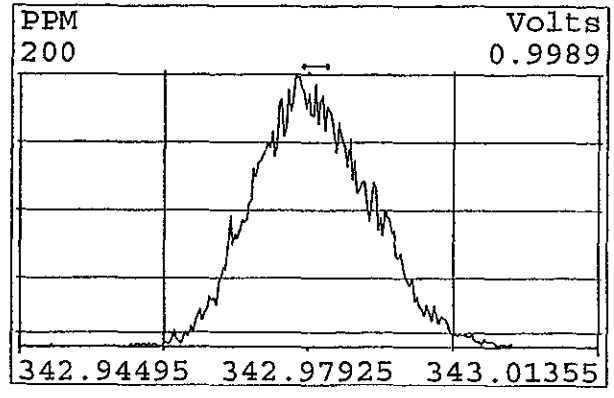
Peak Locate Examination:13-SEP-2010:11:09 File:13SE10A4D5
Experiment:DIOXINRES Function:1 Reference:PFK

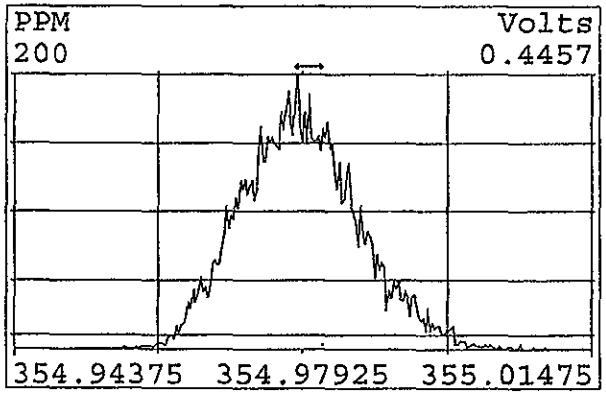


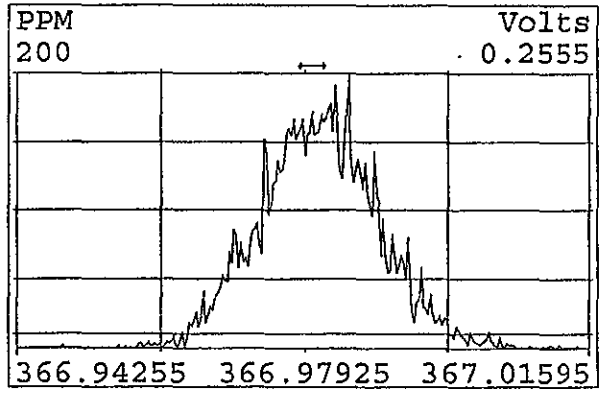
Peak Locate Examination:13-SEP-2010:11:10 File:13SE10A4D5
Experiment:DIOXINRES Function:2 Reference:PFK

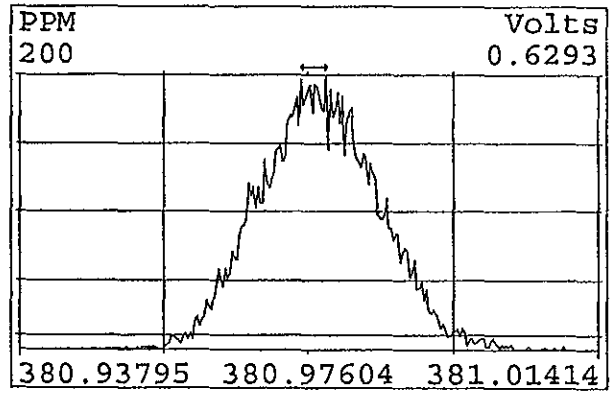


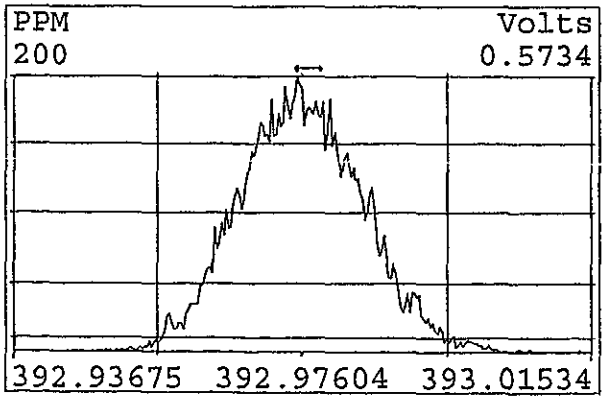


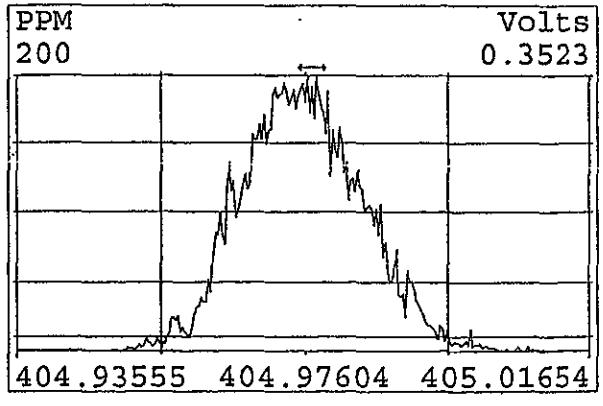


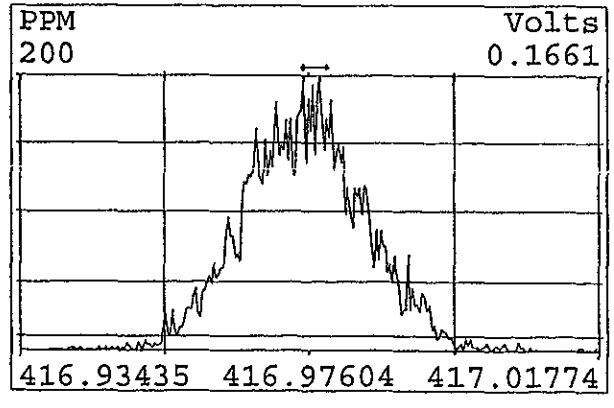




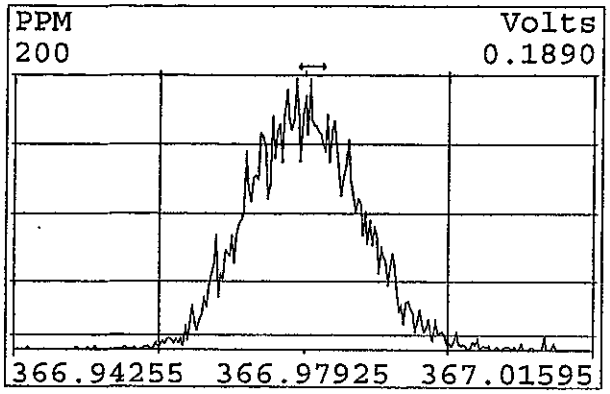


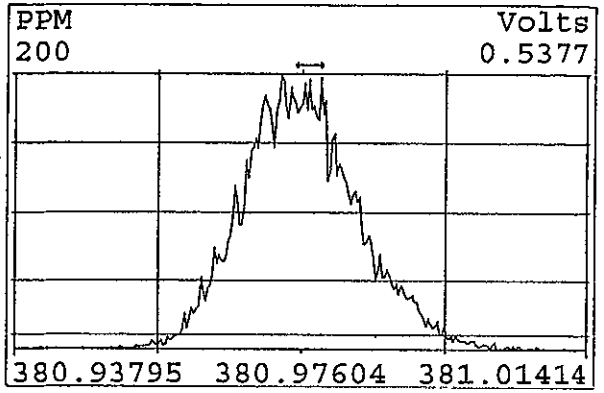


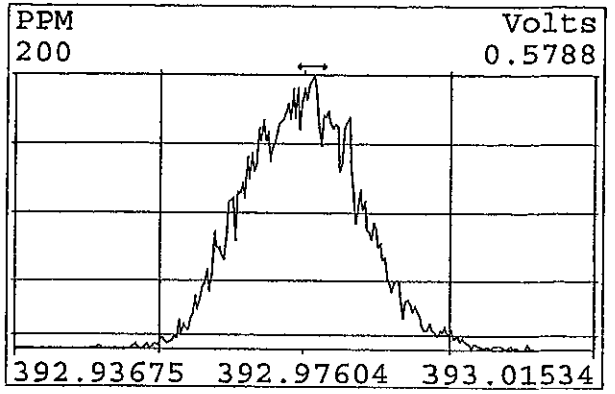


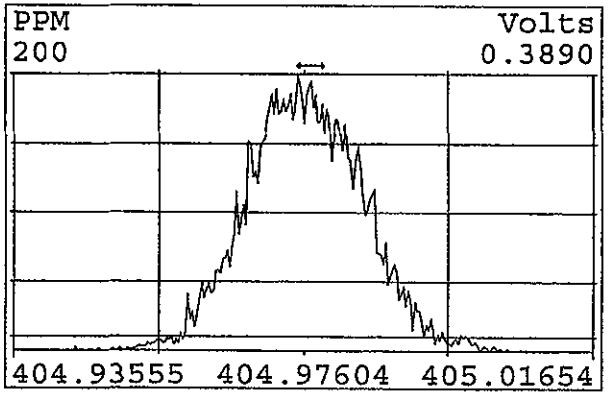


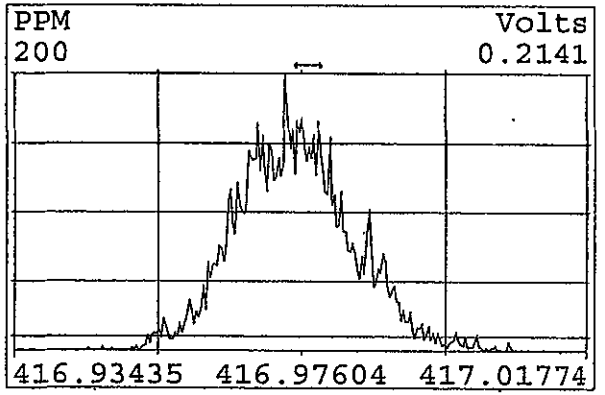
Peak Locate Examination:13-SEP-2010:11:10 File:13SE10A4D5
Experiment:DIOXINRES Function:3 Reference:PFK

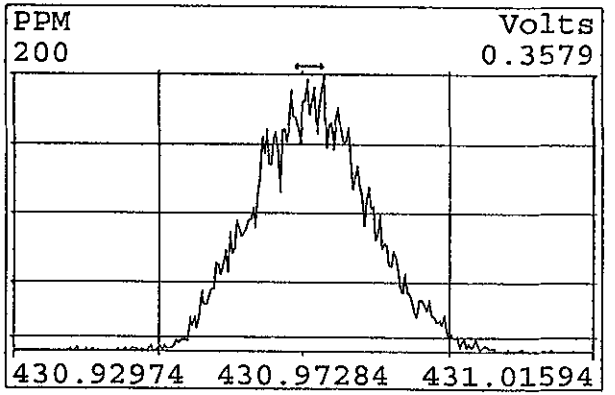


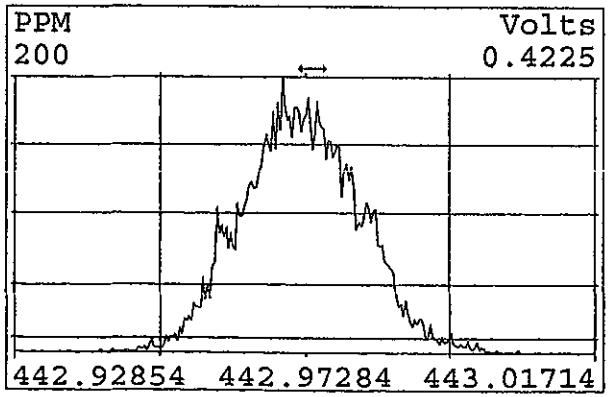


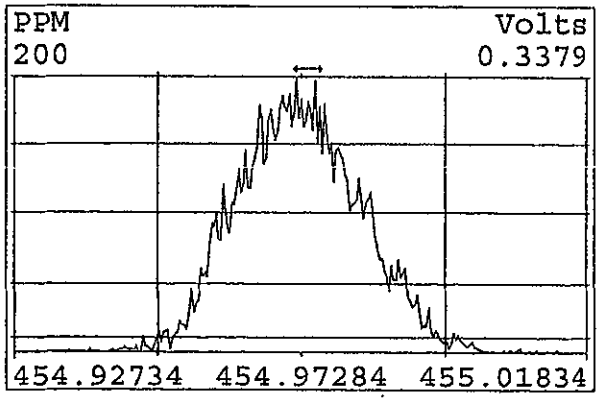




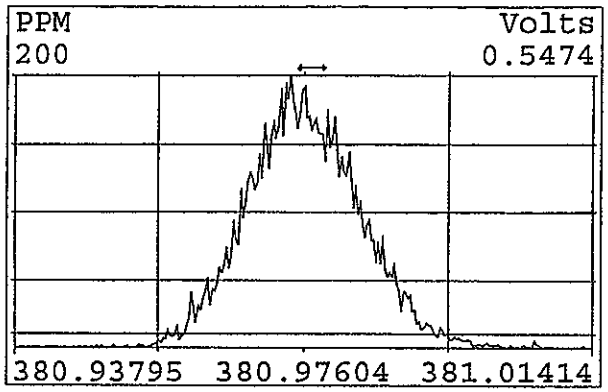


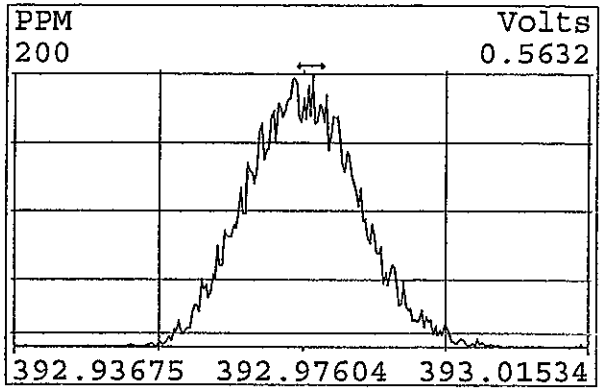


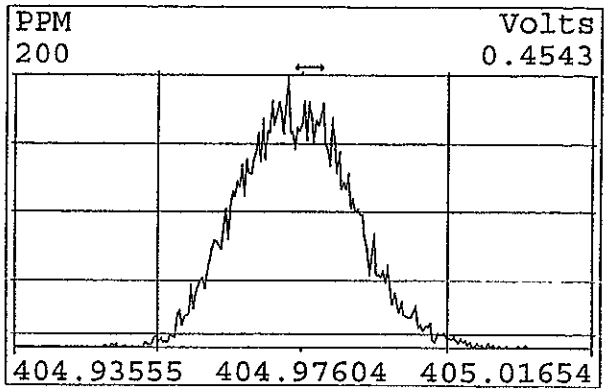


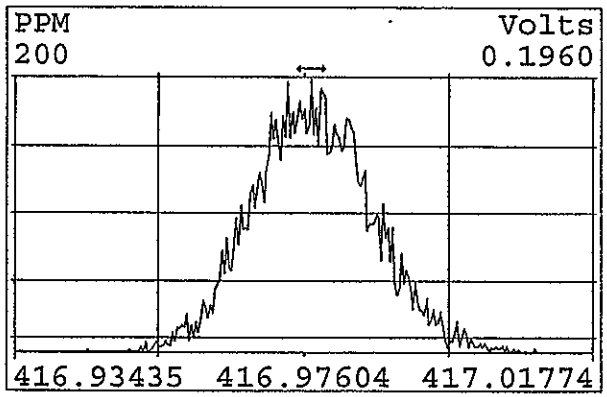


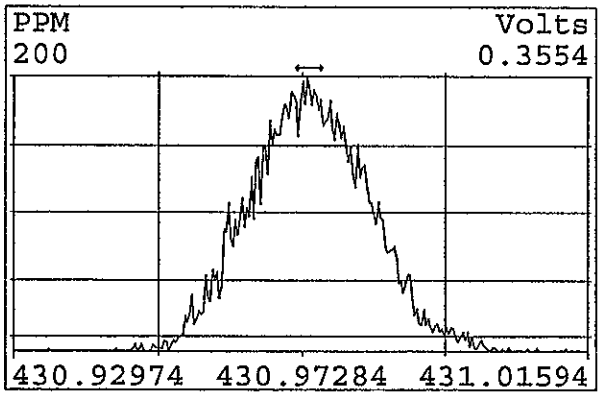
Peak Locate Examination:13-SEP-2010:11:10 File:13SE10A4D5
Experiment:DIOXINRES Function:4 Reference:PFK

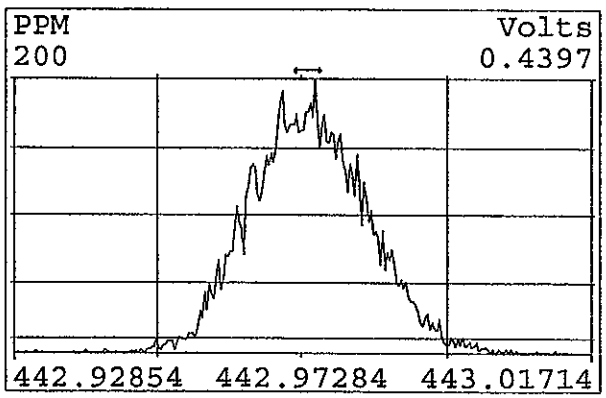


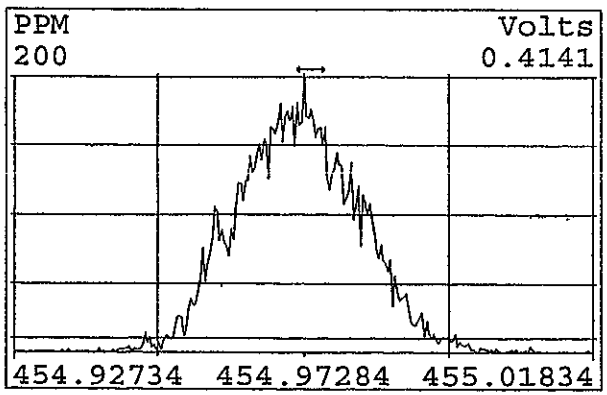


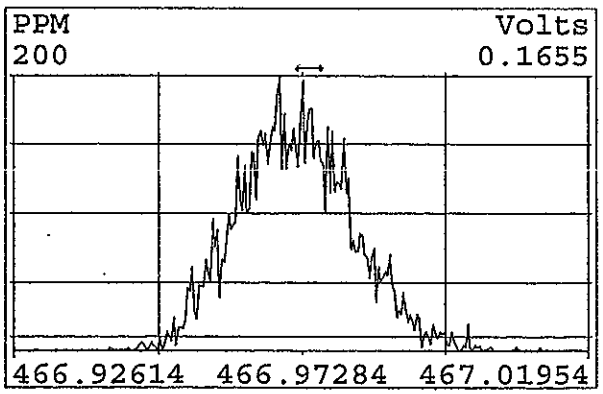


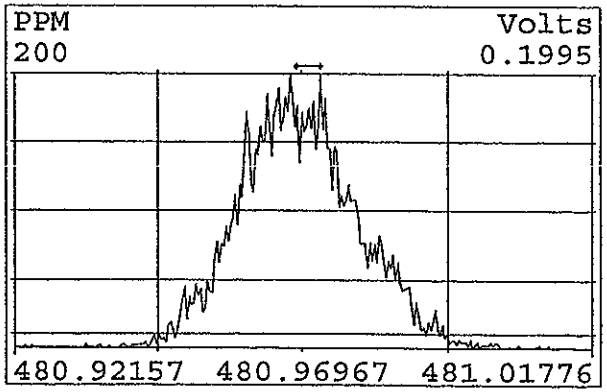




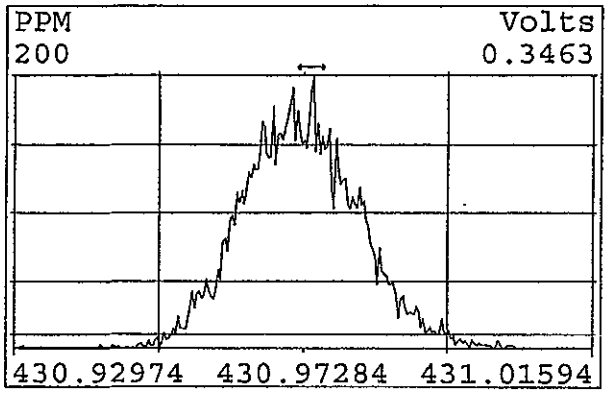


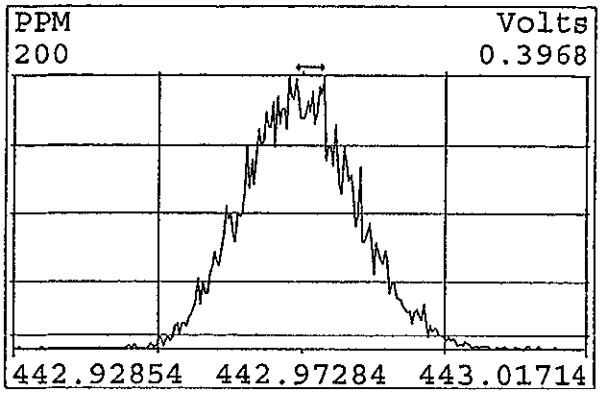


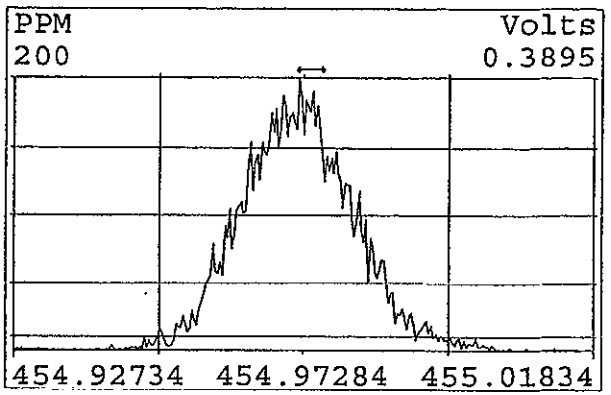


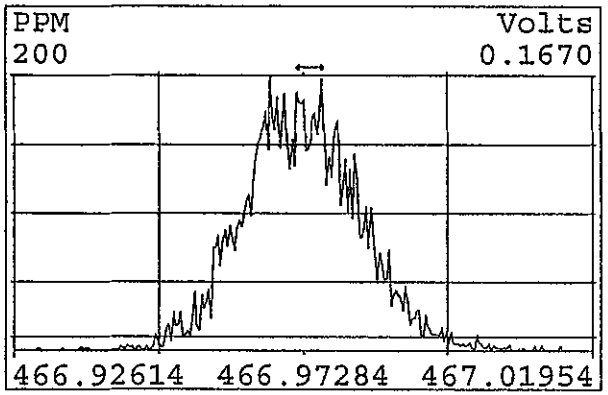


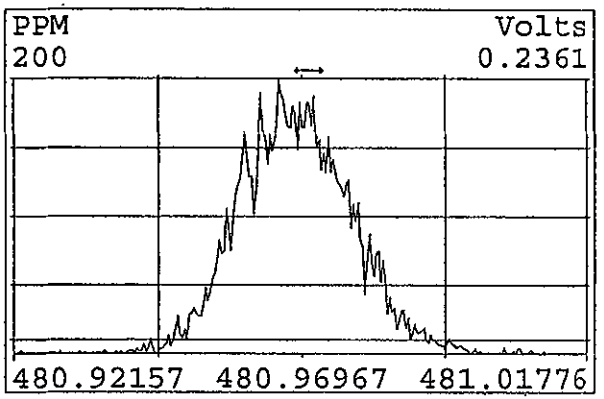
Peak Locate Examination:13-SEP-2010:11:11 File:13SE10A4D5
Experiment:DIOXINRES Function:5 Reference:PFK

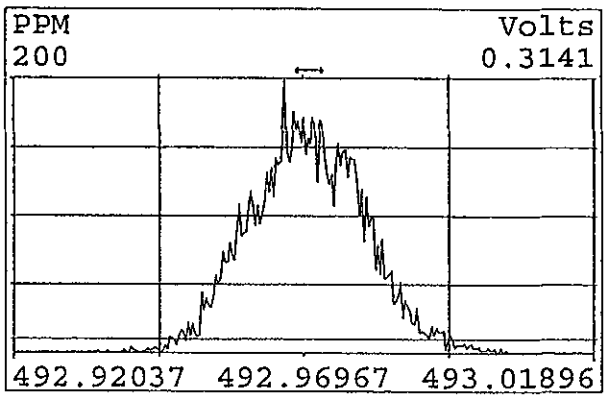


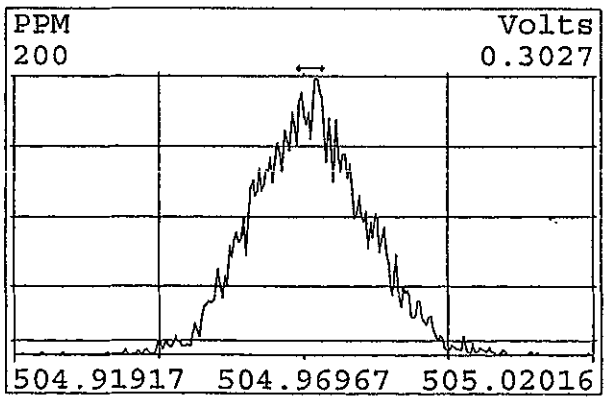


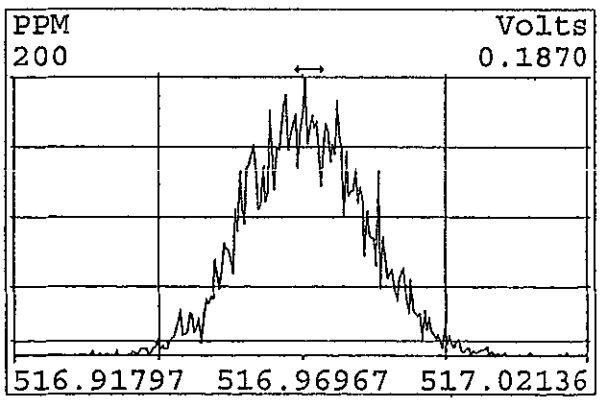




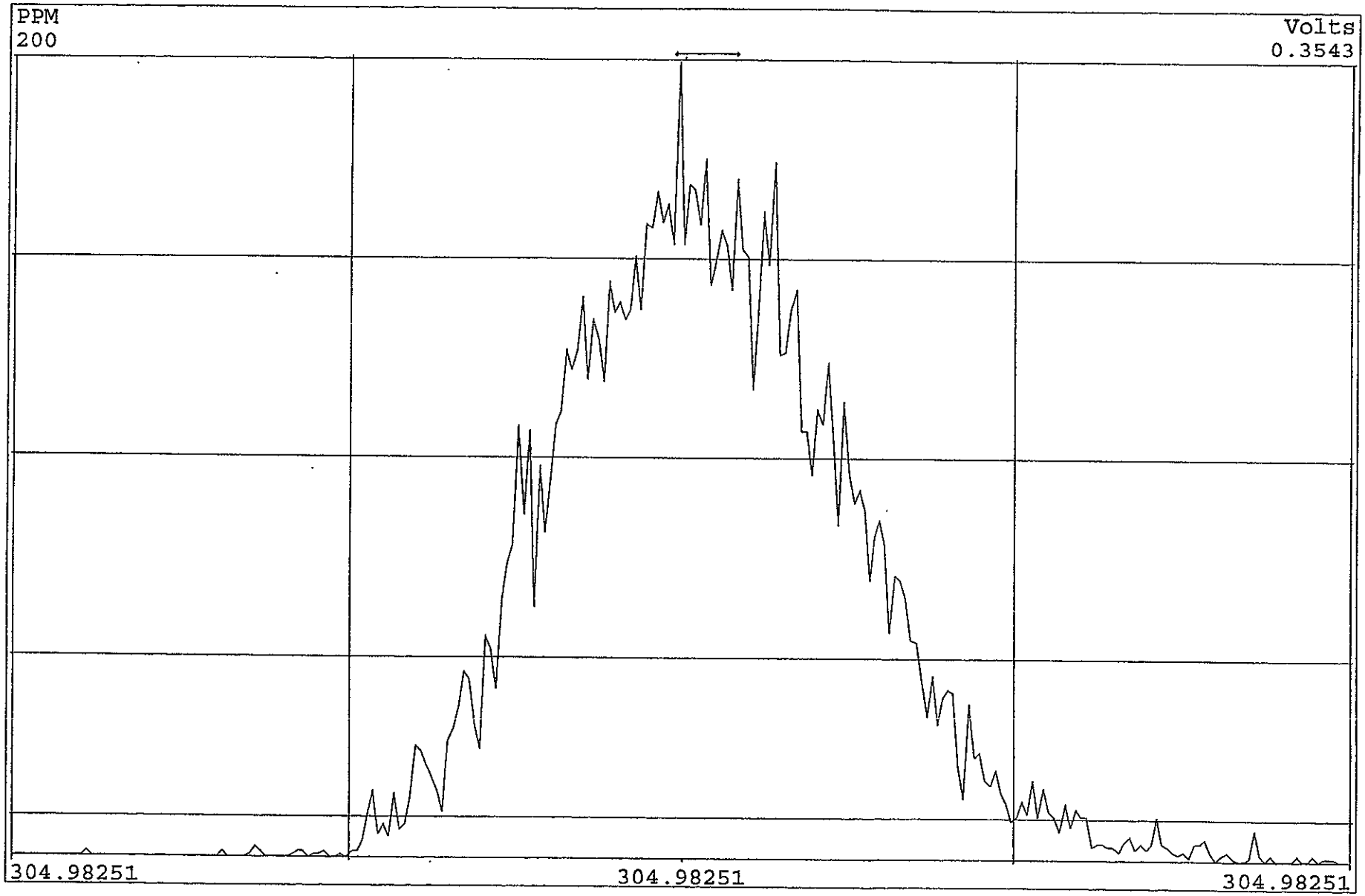




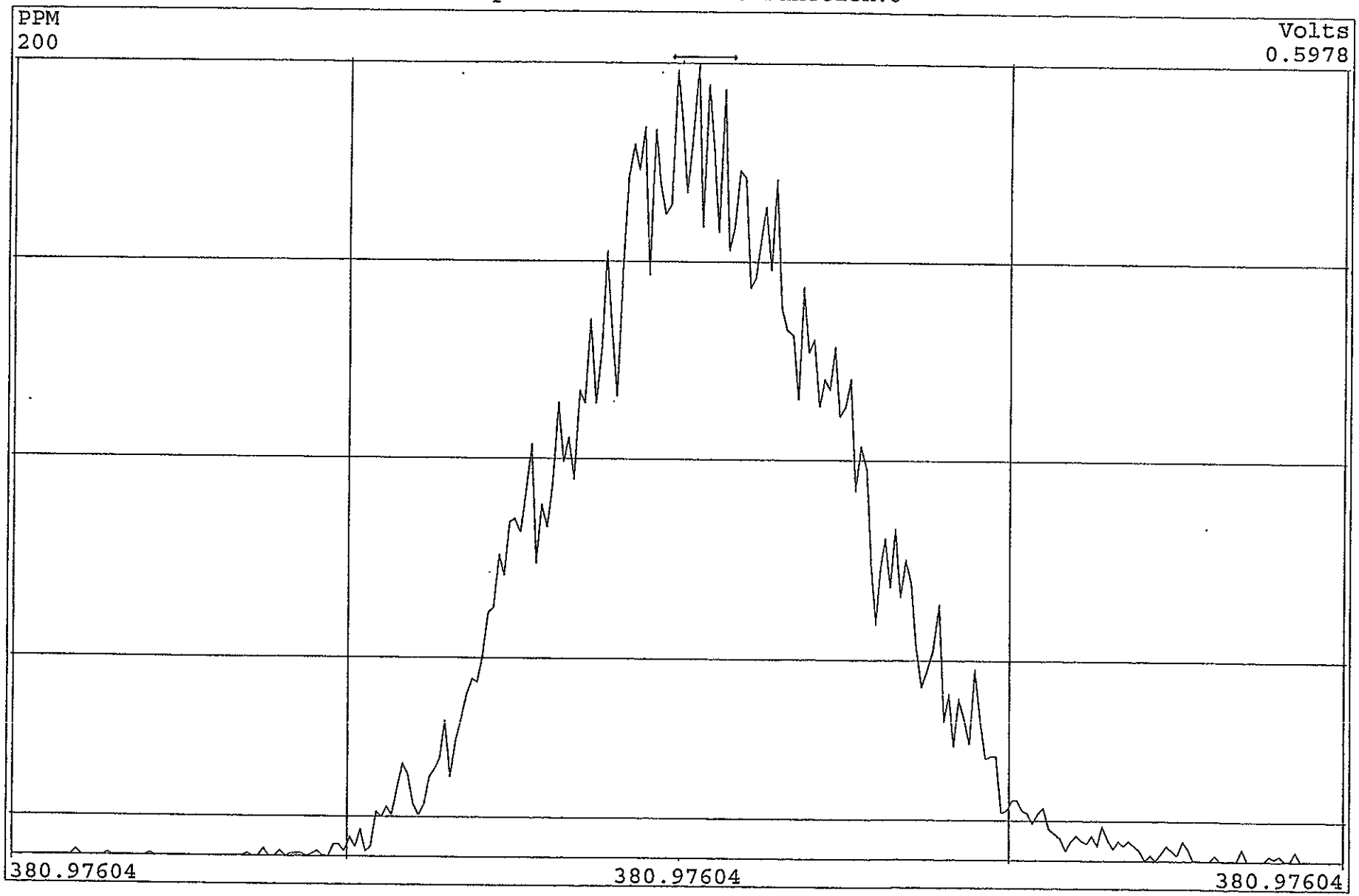




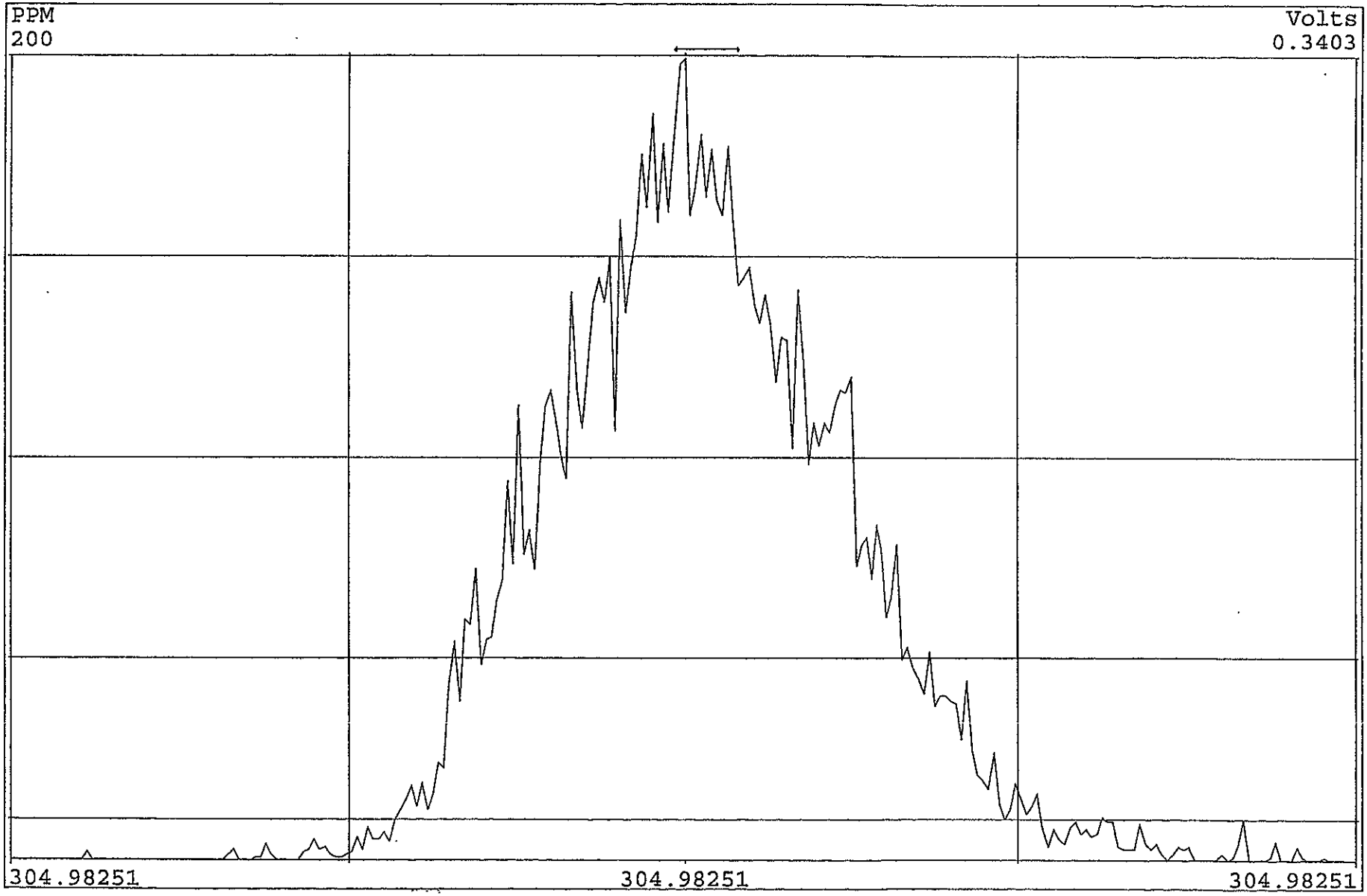
SIRLM Examination:13-SEP-2010:21:33 File:13SE10A4D5
Experiment:DIOXINRES Function:7



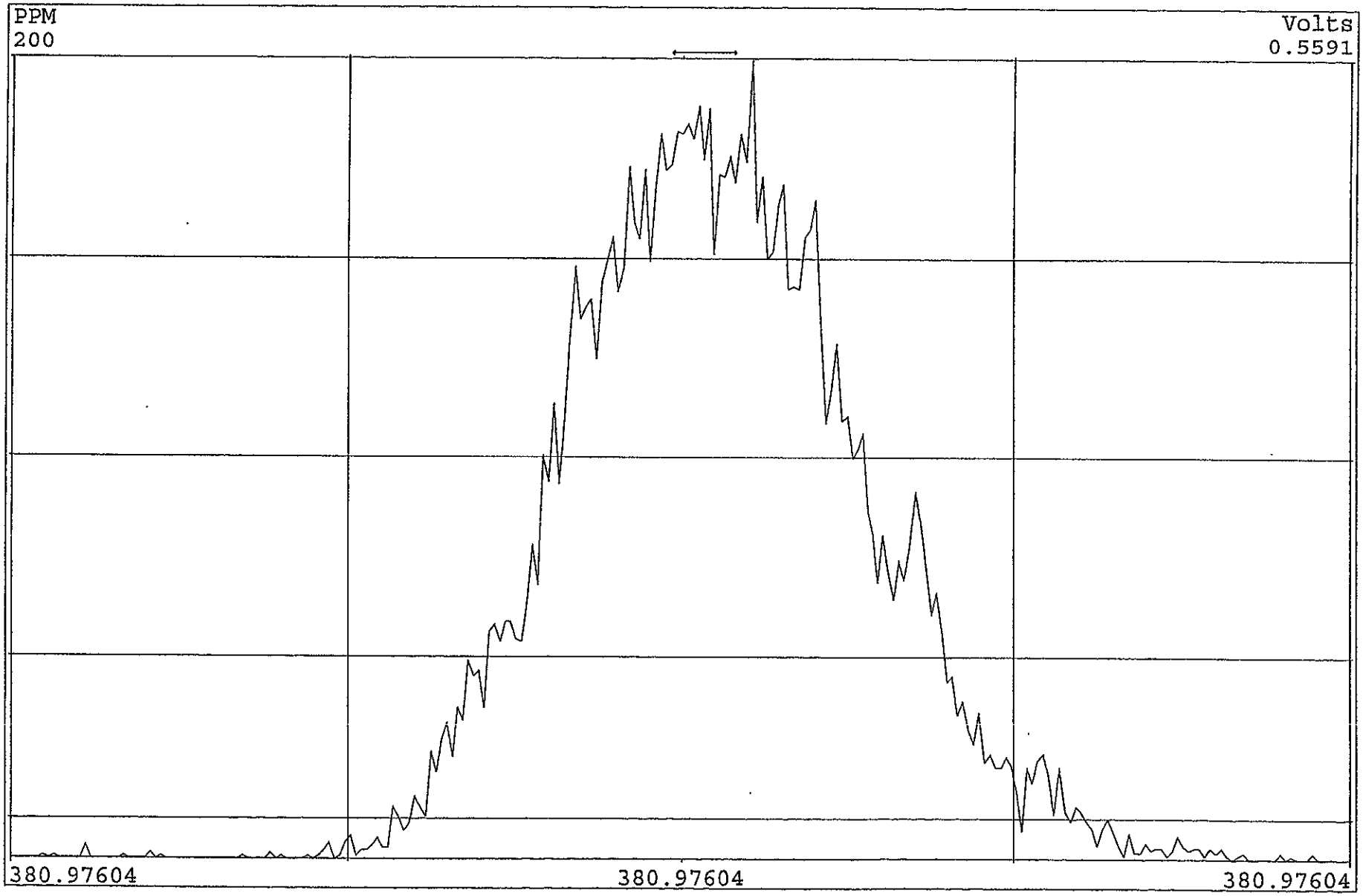
SIRLM Examination:13-SEP-2010:21:32 File:13SE10A4D5
Experiment:DIOXINRES Function:6



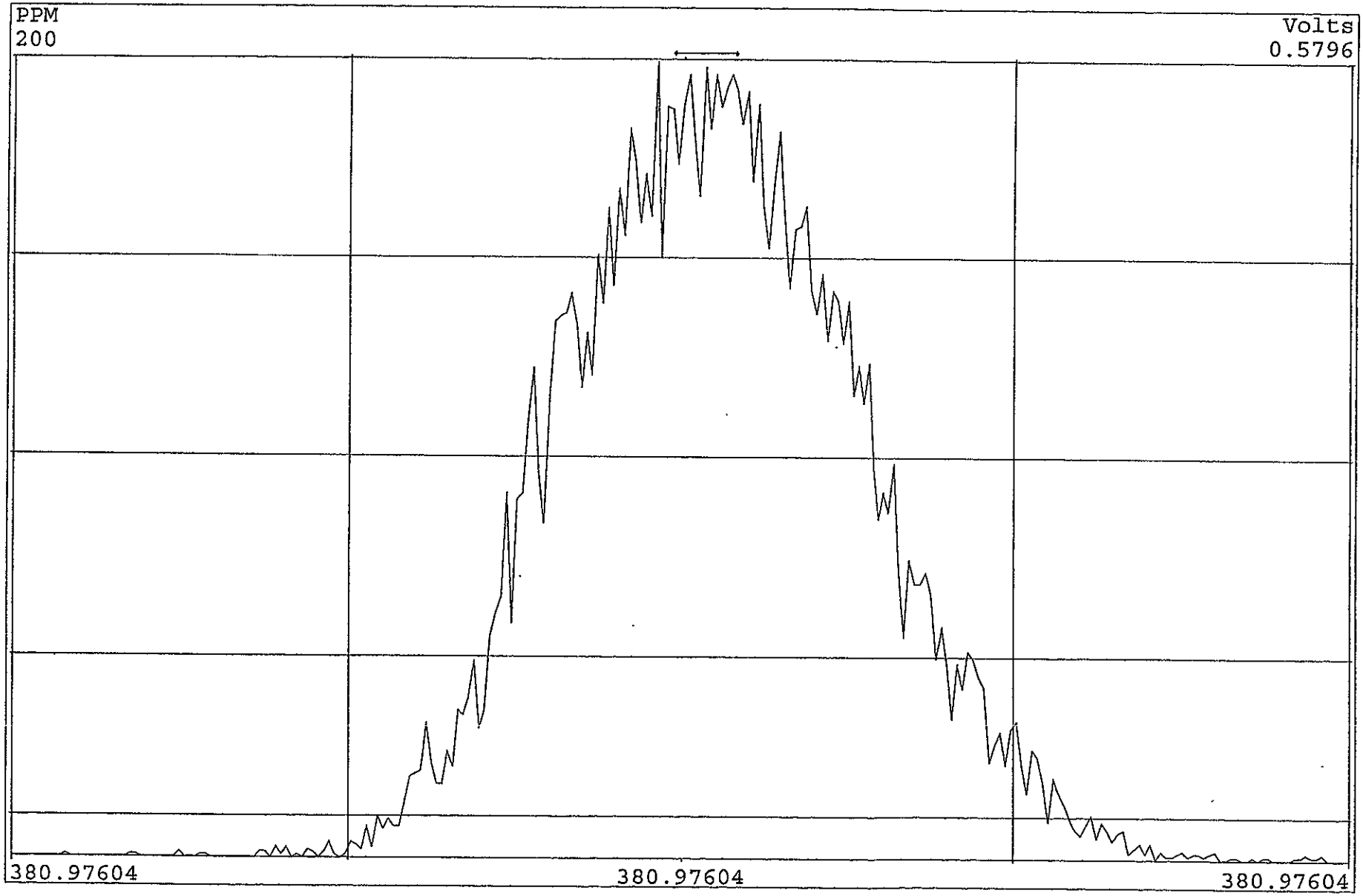
SIRLM Examination:13-SEP-2010:22:18 File:13SE10A4D5
Experiment:DIOXINRES Function:7



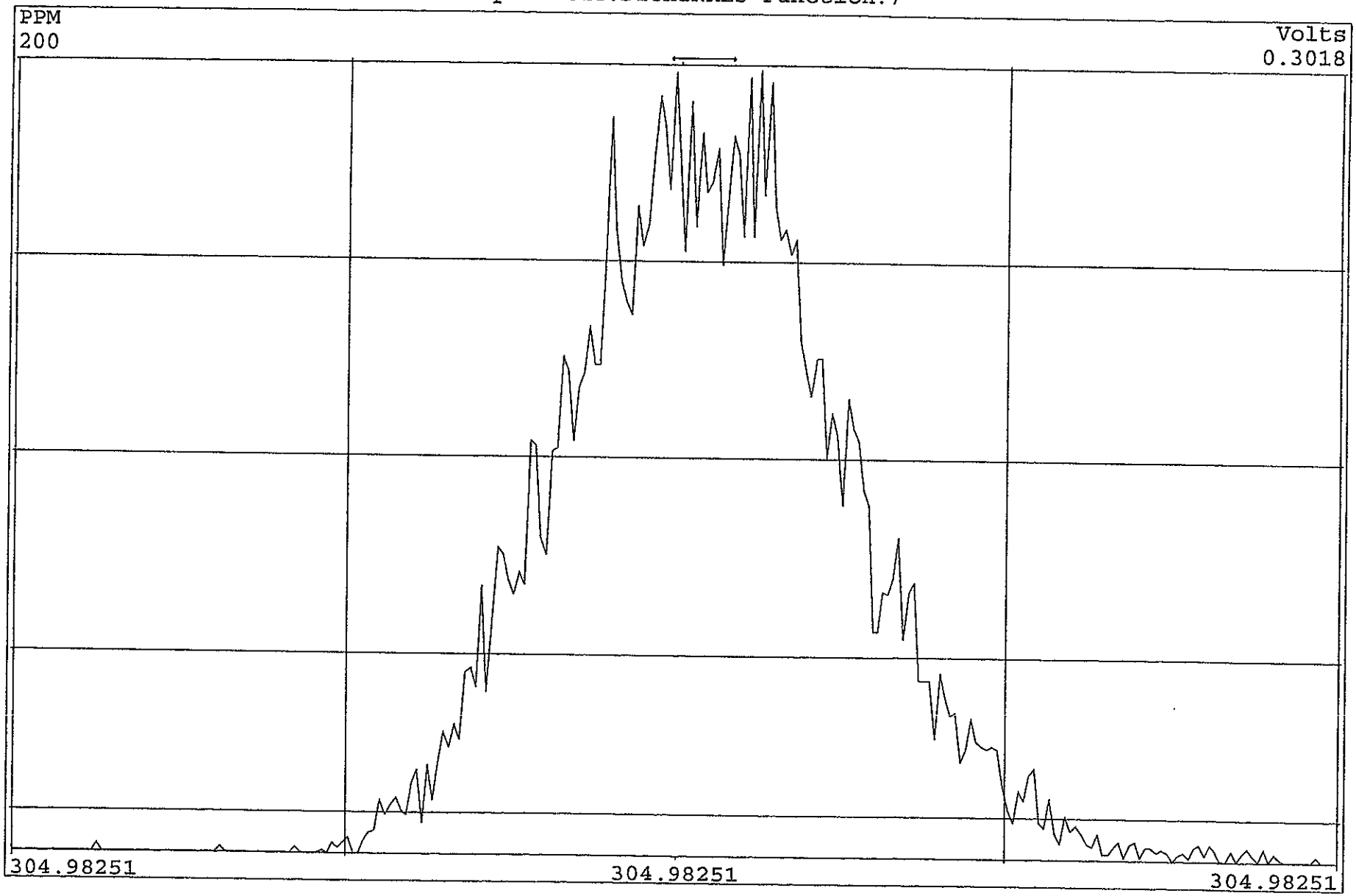
SIRLM Examination:13-SEP-2010:22:17 File:13SE10A4D5
Experiment:DIOXINRES Function:6



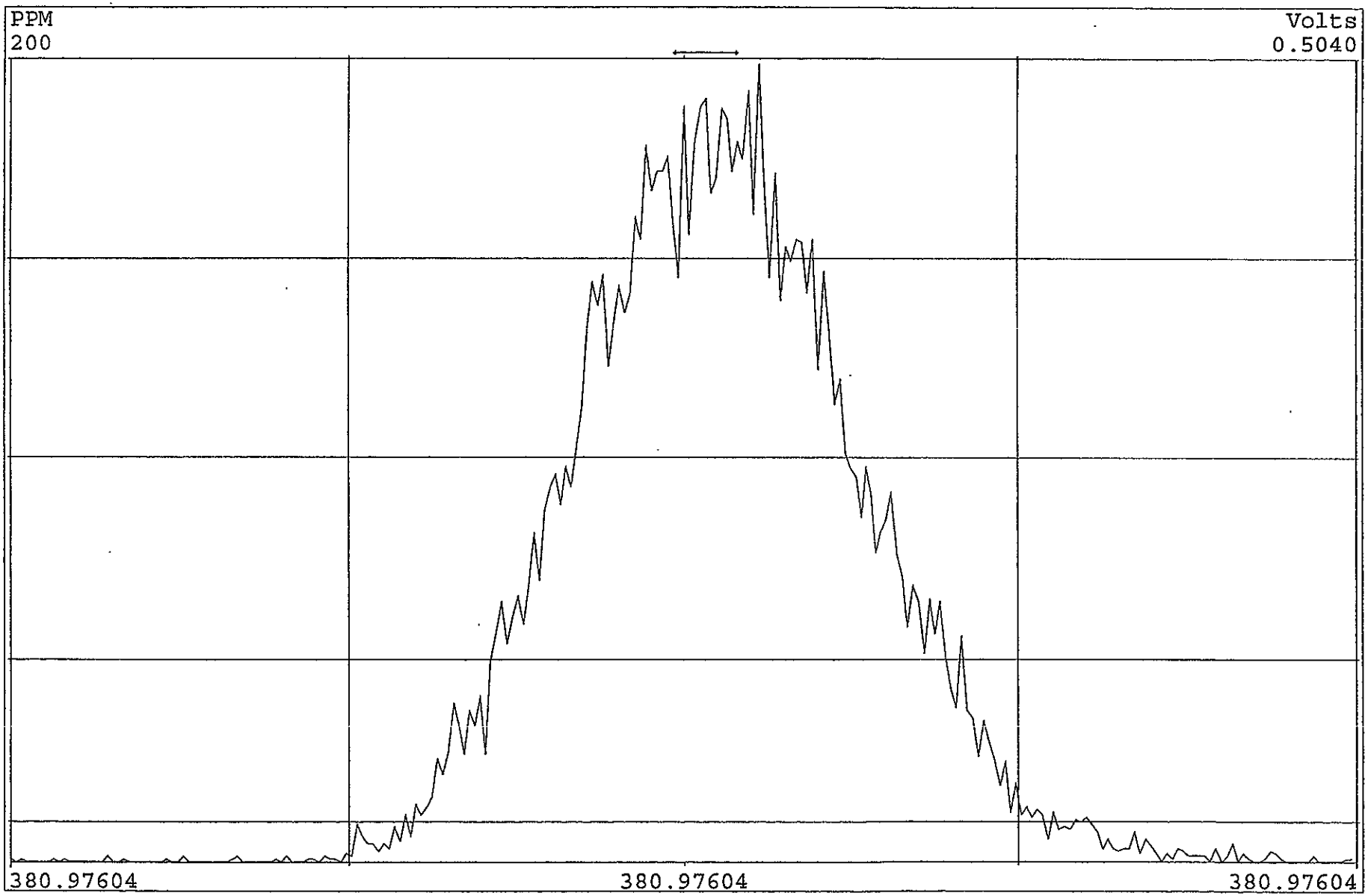
SIRLM Examination:13-SEP-2010:23:01 File:13SE10A4D5
Experiment:DIOXINRES Function:6



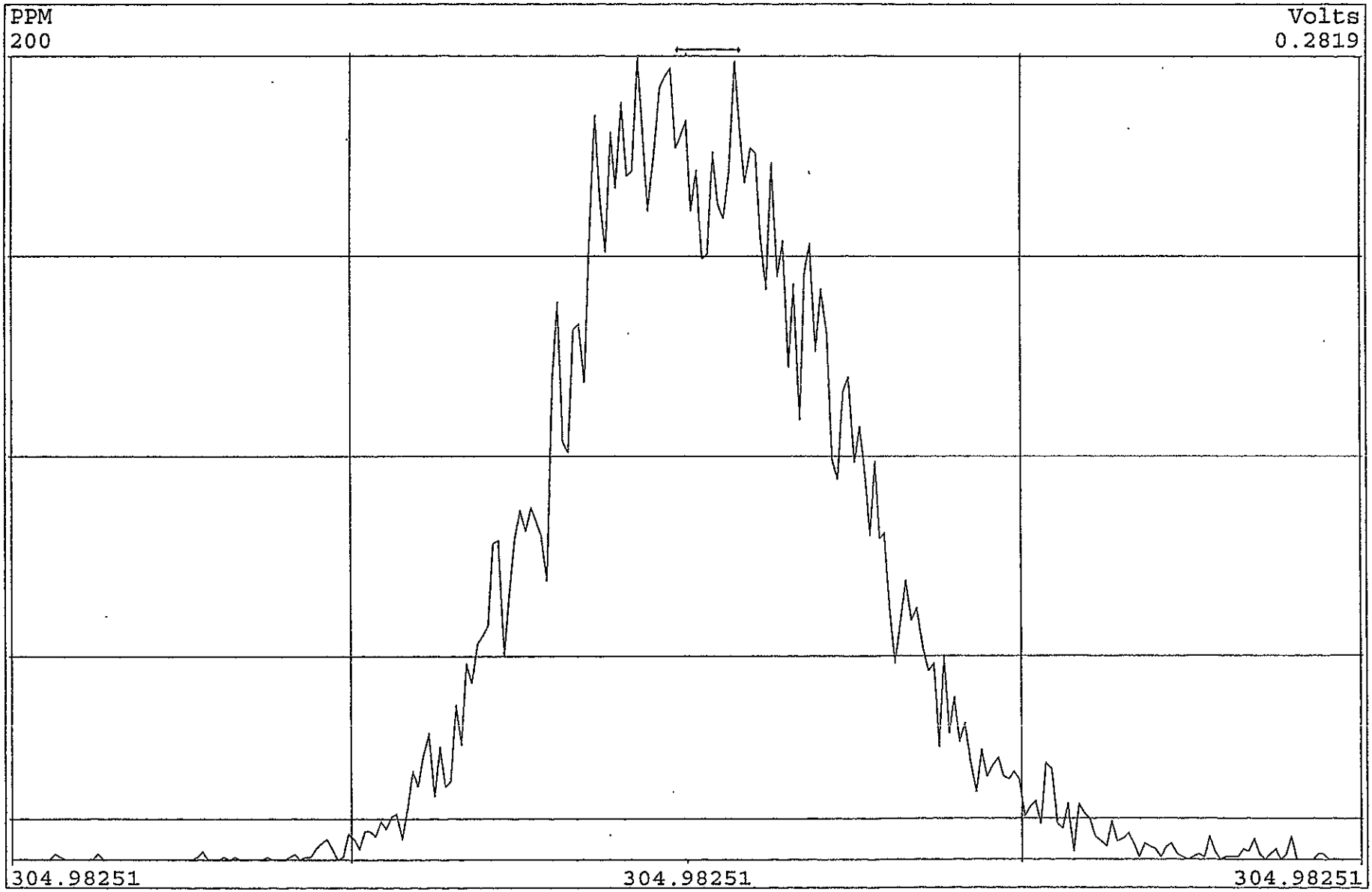
SIRLM Examination:13-SEP-2010:23:02 File:13SE10A4D5
Experiment:DIOXINRES Function:7



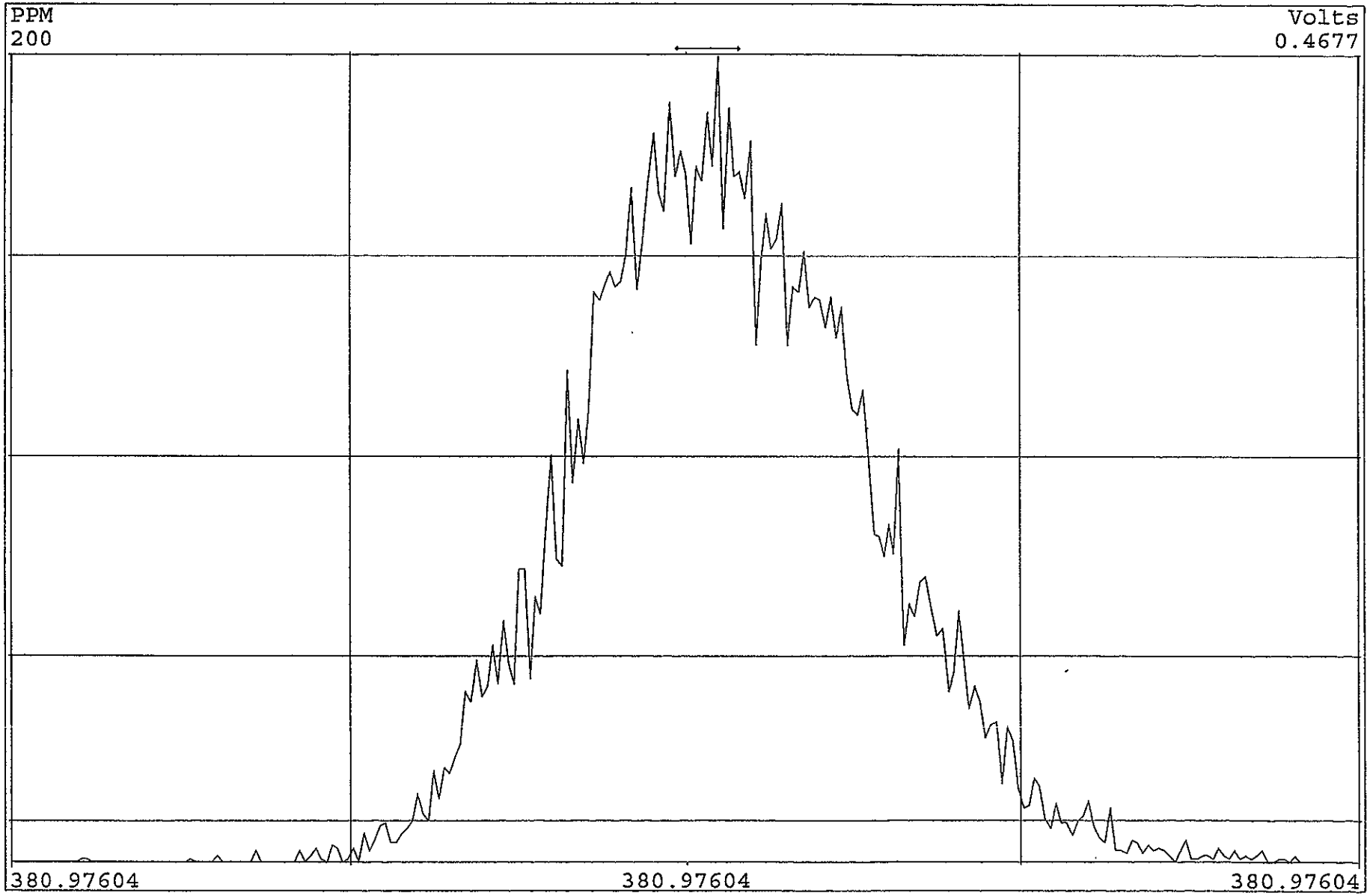
SIRLM Examination:14-SEP-2010:09:25 File:13SE10A4D5
Experiment:DIOXINRES Function:6



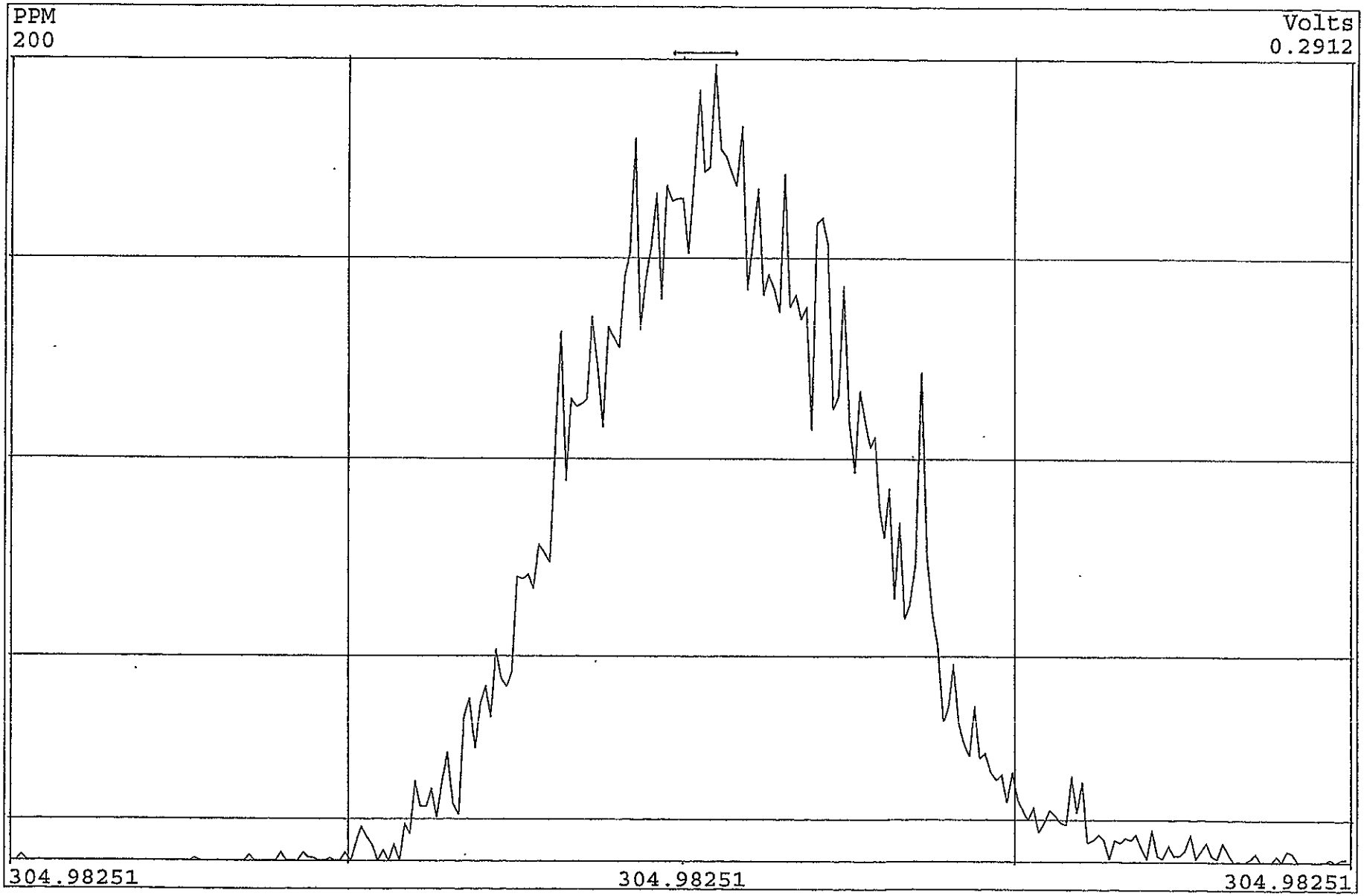
SIRLM Examination:14-SEP-2010:09:26 File:13SE10A4D5
Experiment:DIOXINRES Function:7



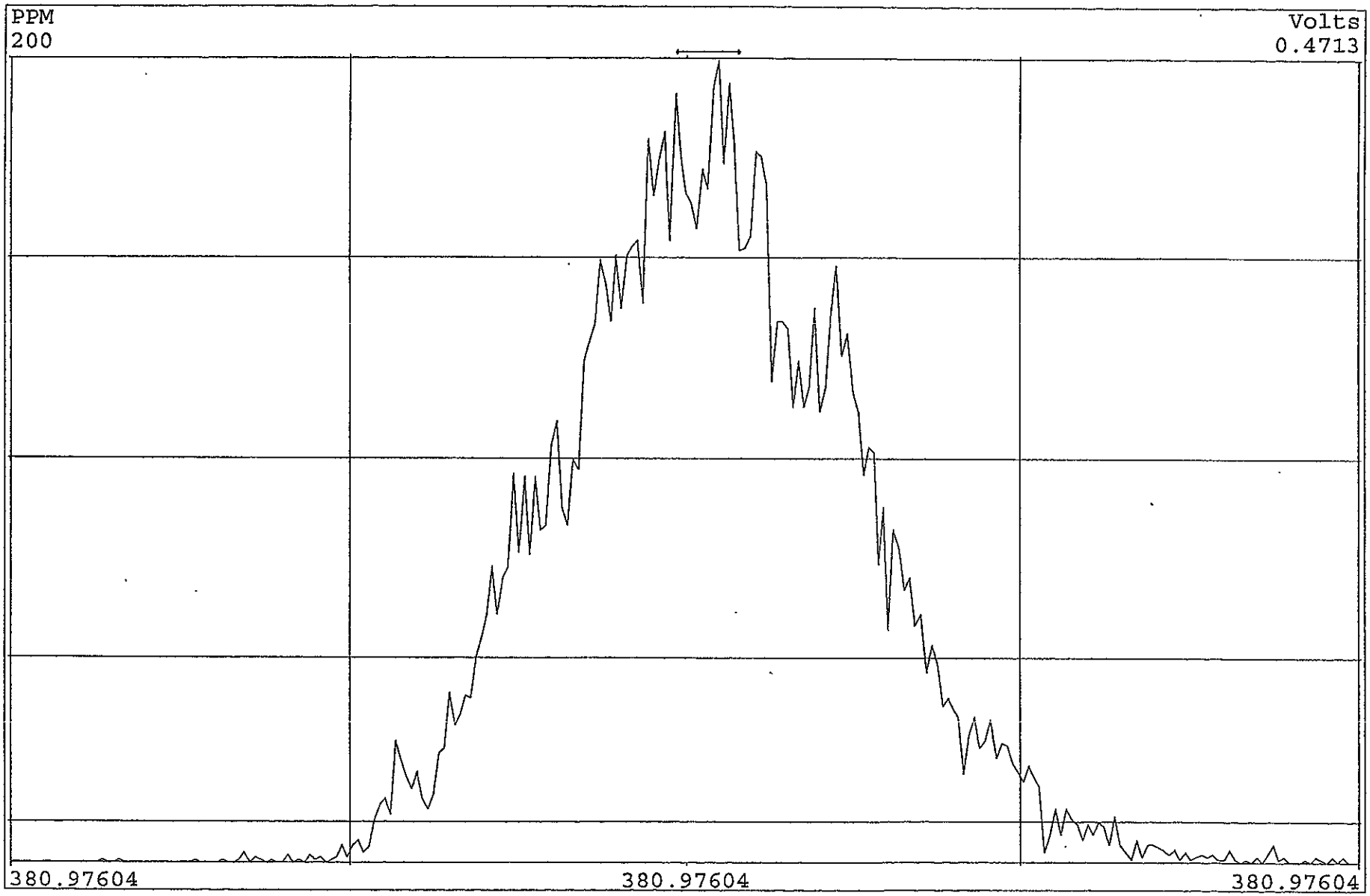
SIRLM Examination:14-SEP-2010:10:10 File:13SE10A4D5
Experiment:DIOXINRES Function:6



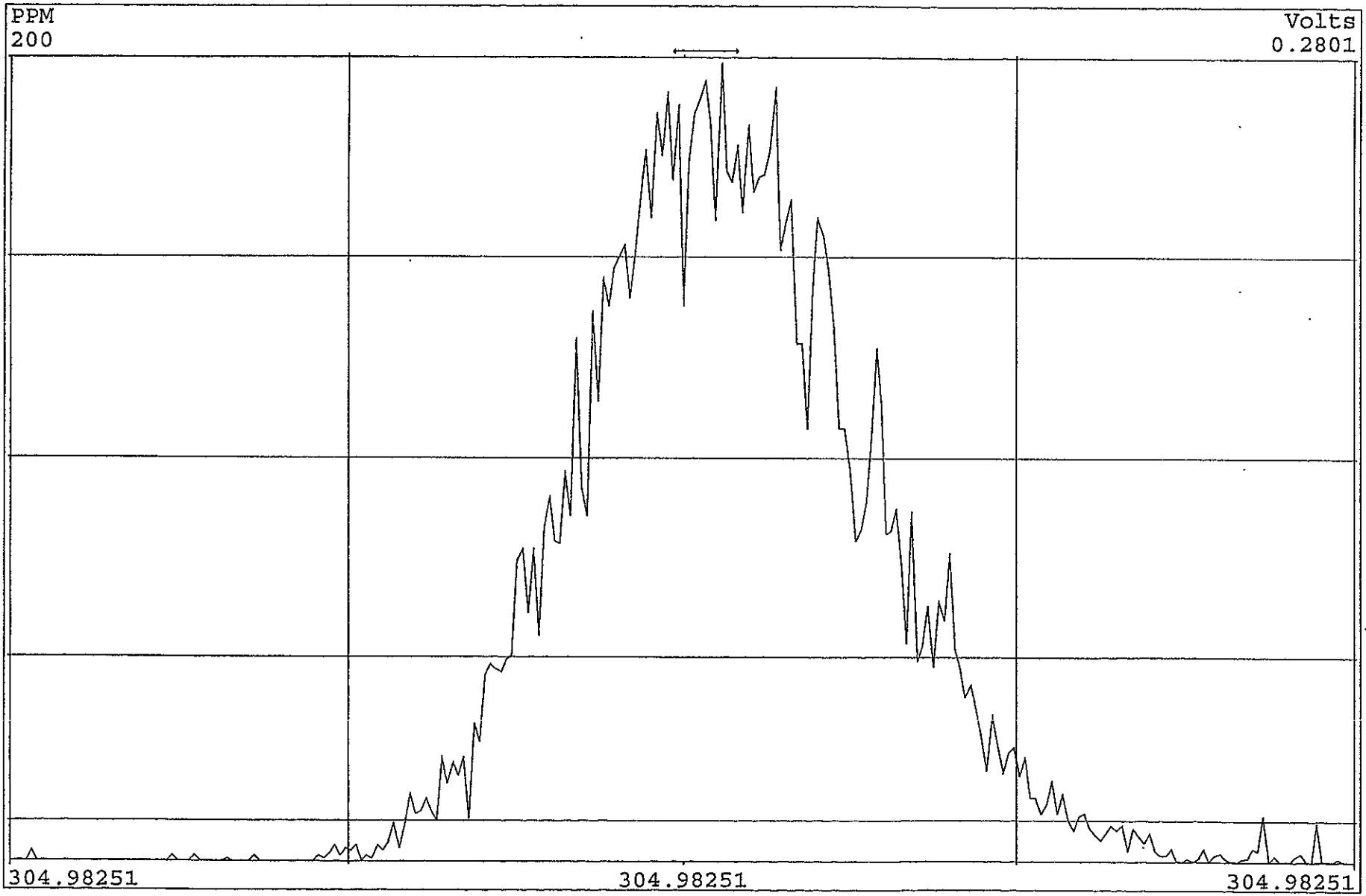
SIRLM Examination:14-SEP-2010:10:11 File:13SE10A4D5
Experiment:DIOXINRES Function:7



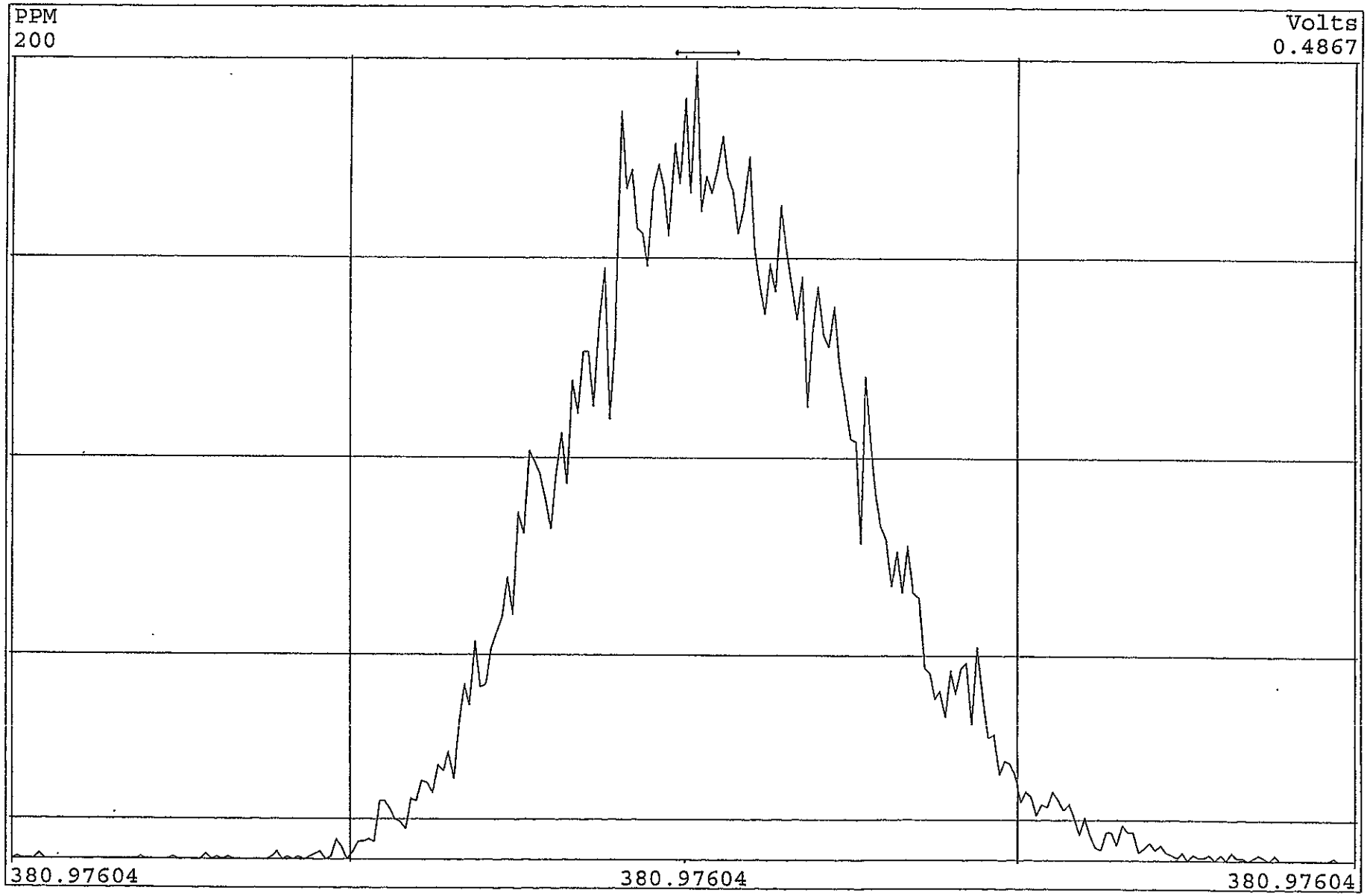
SIRLM Examination:14-SEP-2010:20:34 File:13SE10A4D5
Experiment:DIOXINRES Function:6



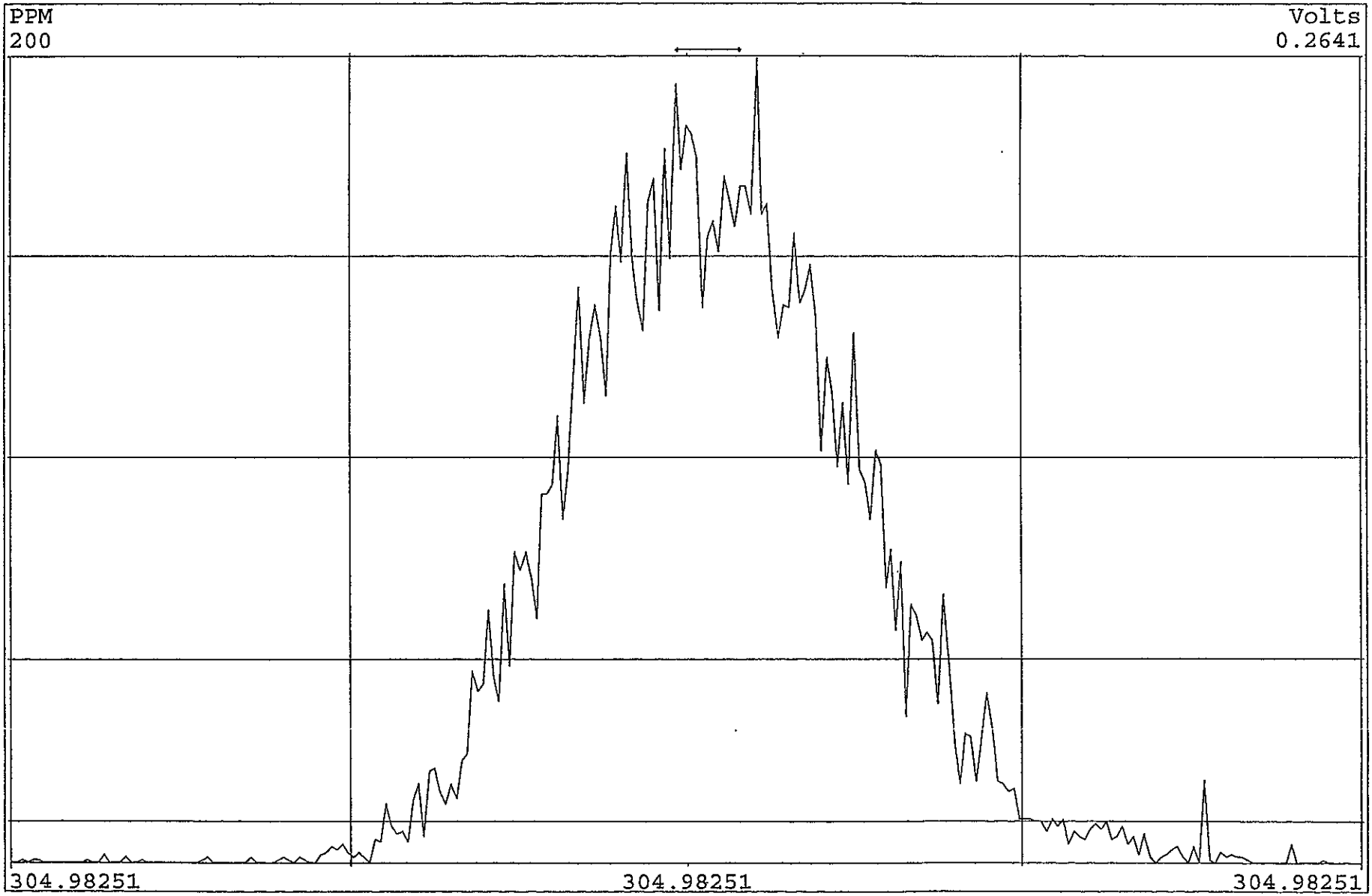
SIRLM Examination:14-SEP-2010:20:35 File:13SE10A4D5
Experiment:DIOXINRES Function:7

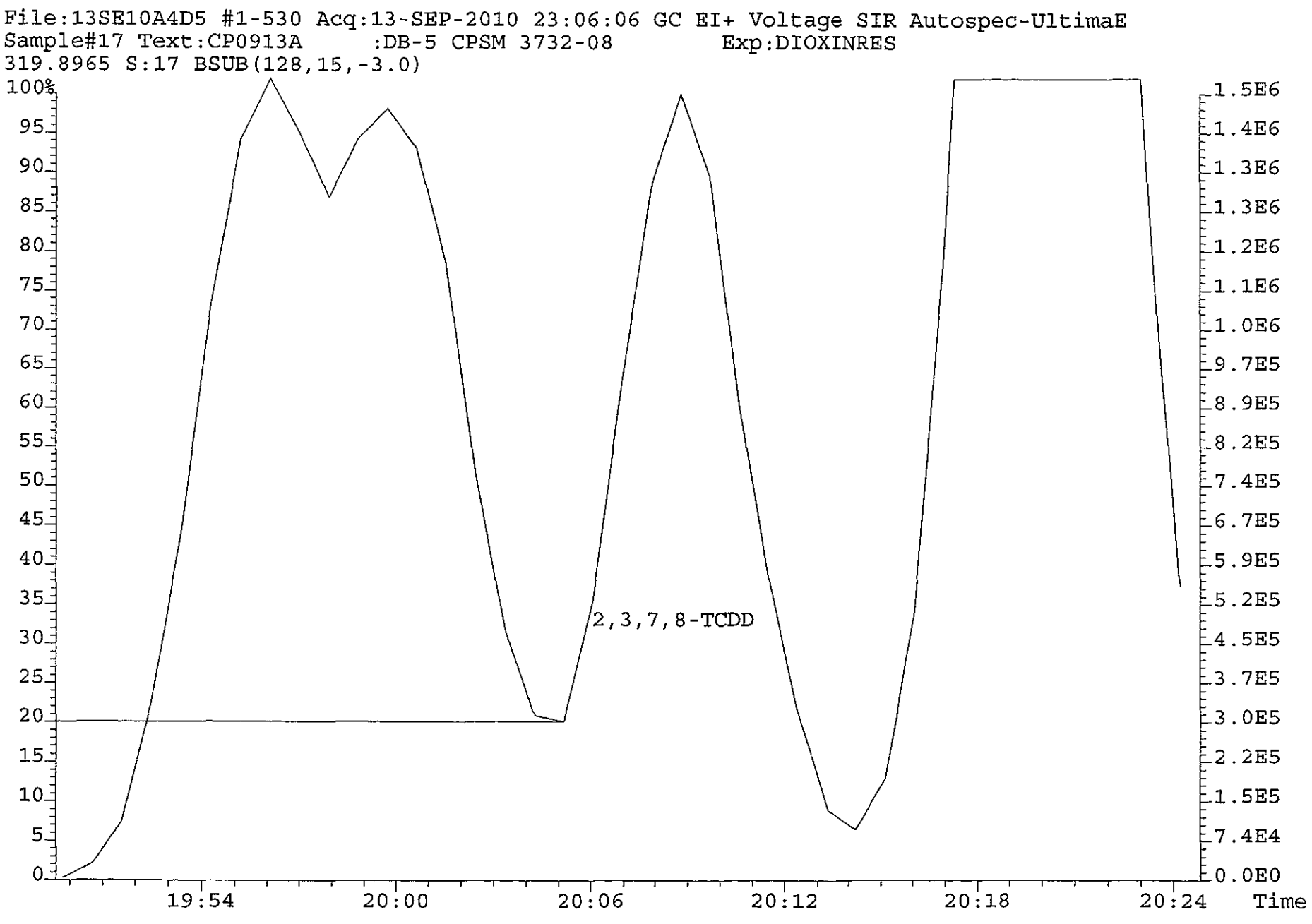


SIRLM Examination:14-SEP-2010:21:19 File:13SE10A4D5
Experiment:DIOXINRES Function:6



SIRLM Examination:14-SEP-2010:21:20 File:13SE10A4D5
Experiment:DIOXINRES Function:7





Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

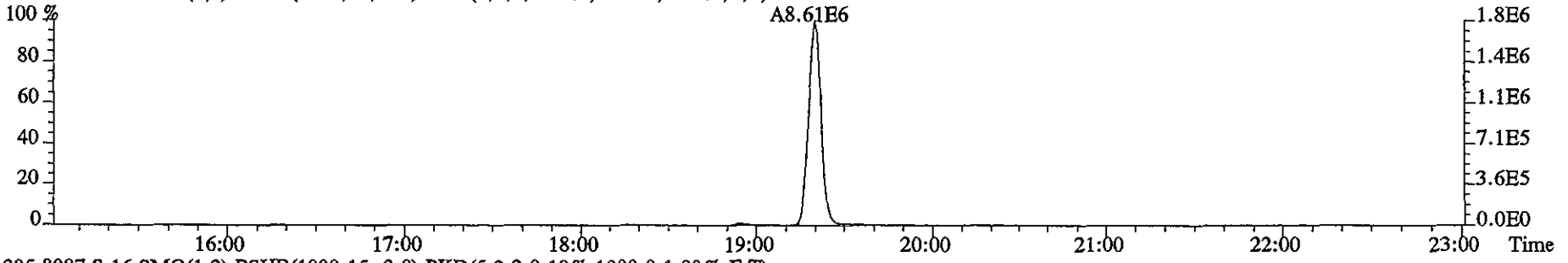
ST0721A :CS-1 10DXN342 ST0721B :CS-2 10DXN334 ST0721C :CS-3 10DXN336
ST0721D :CS-5 10DXN339 ST0721E :CS-4 10DXN337

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

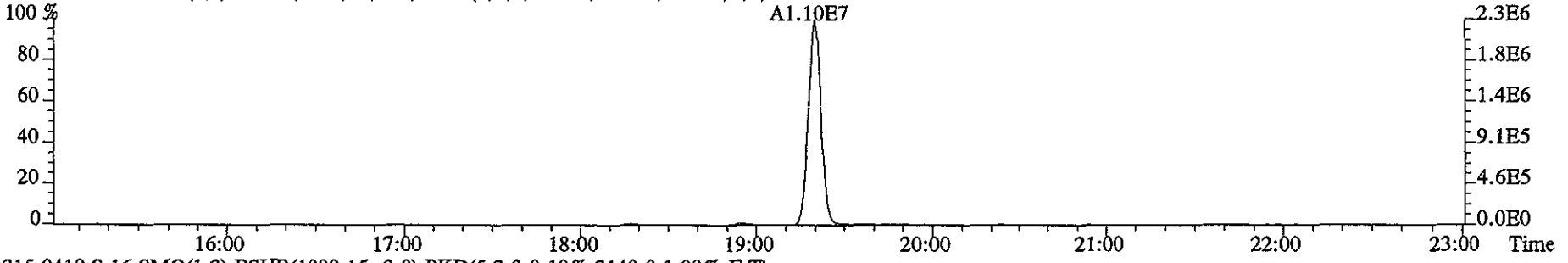
1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21
3C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	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
3C-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:13SE10A4D5 #1-530 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

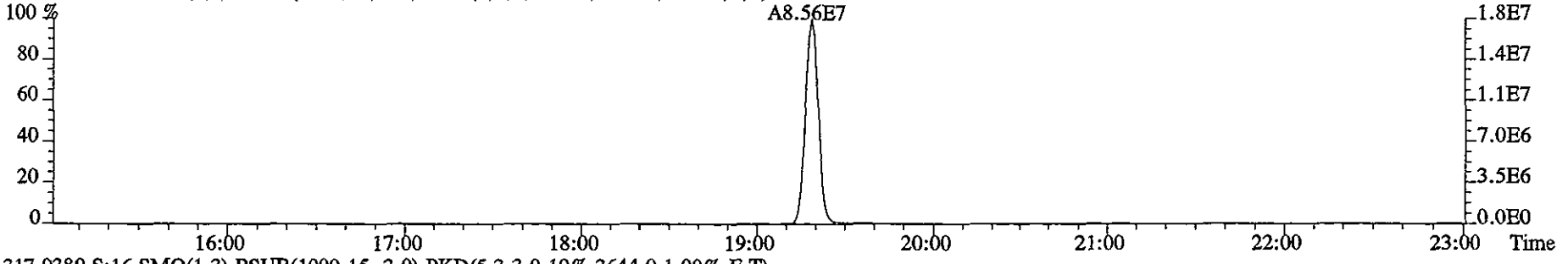
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1040.0,1.00%,F,T)



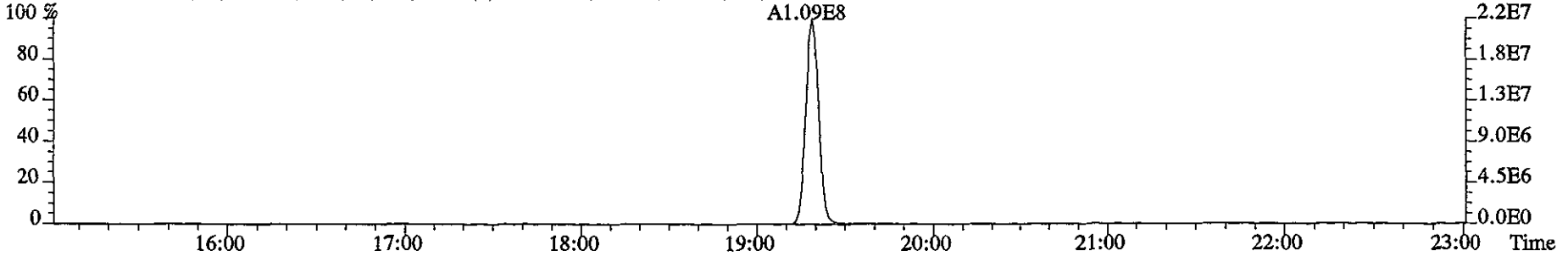
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)



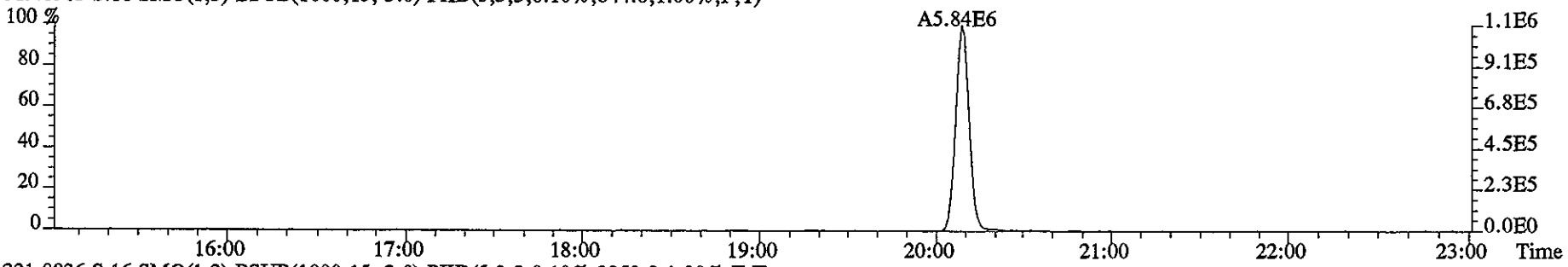
315.9419 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



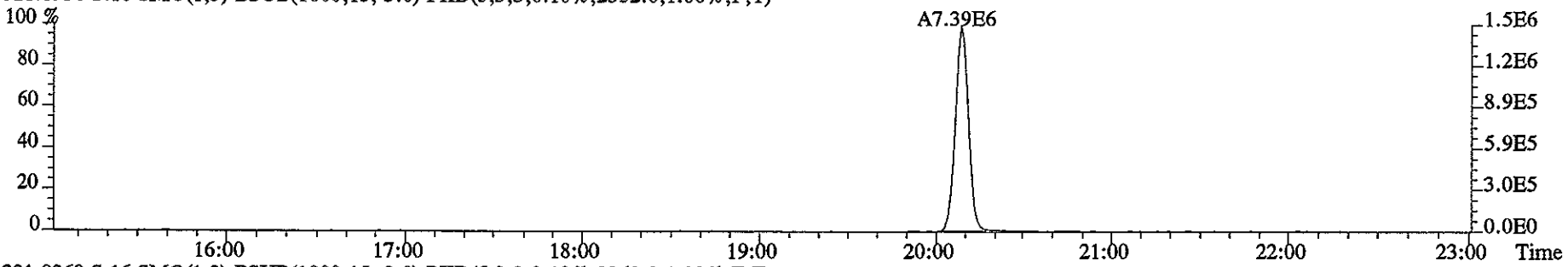
317.9389 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3644.0,1.00%,F,T)



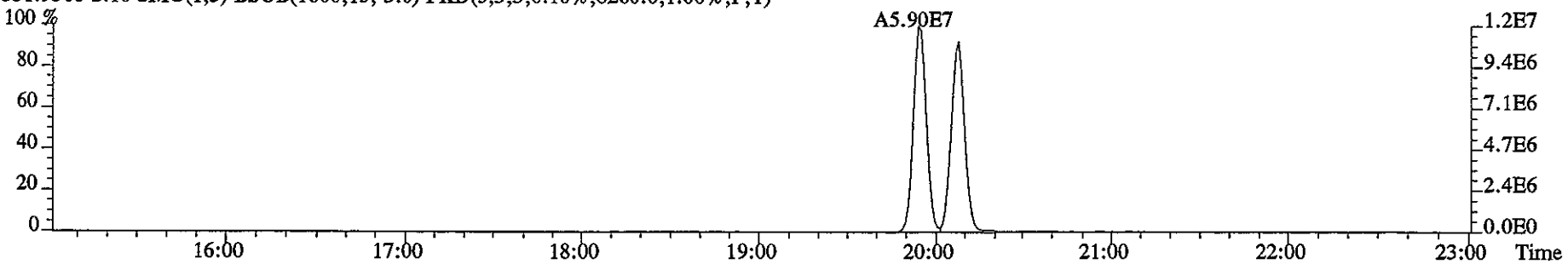
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES
319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,844.0,1.00%,F,T)



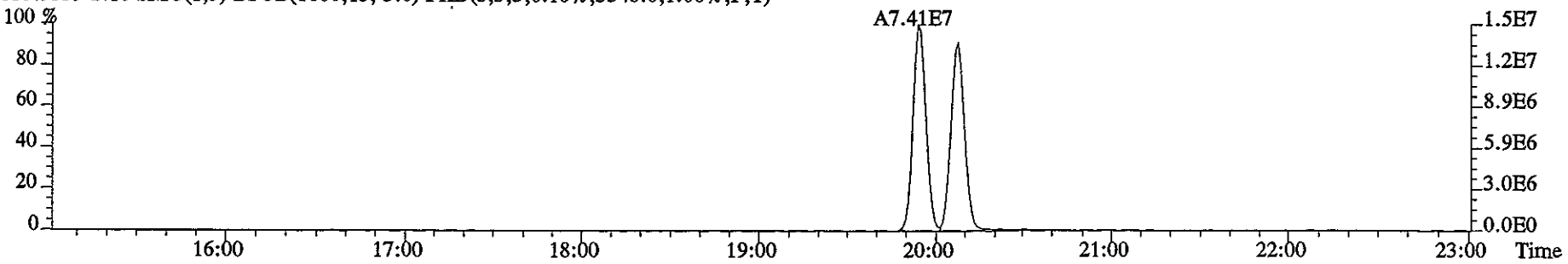
321.8936 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2352.0,1.00%,F,T)



331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8260.0,1.00%,F,T)

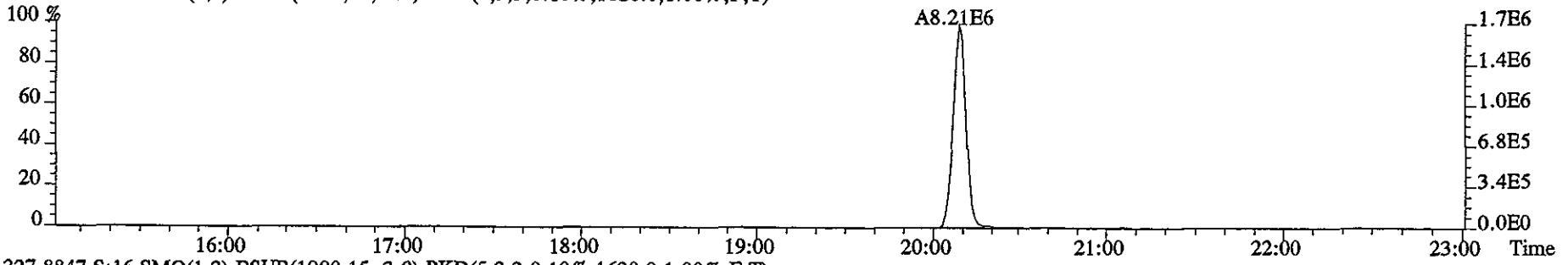


333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3548.0,1.00%,F,T)

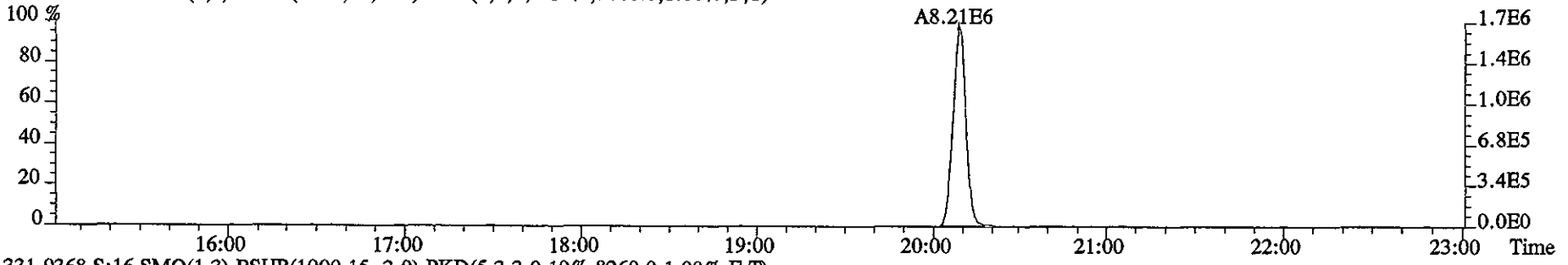


File:13SE10A4D5 #1-530 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

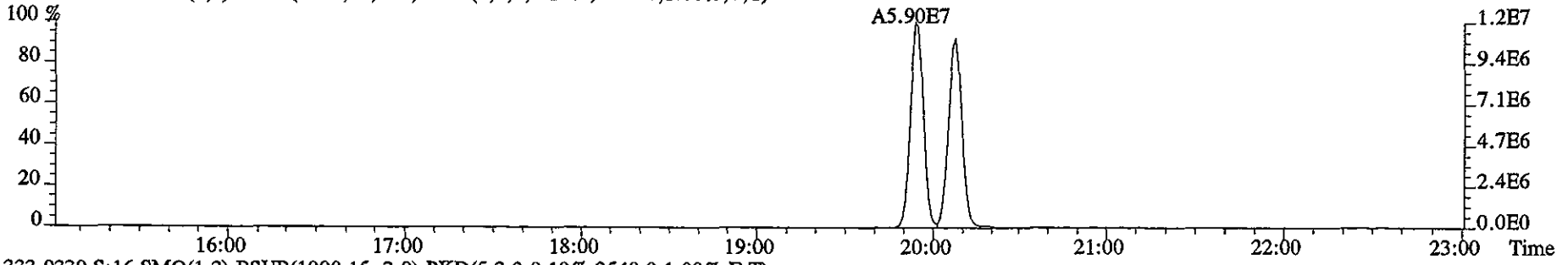
327.8847 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1628.0,1.00%,F,T)



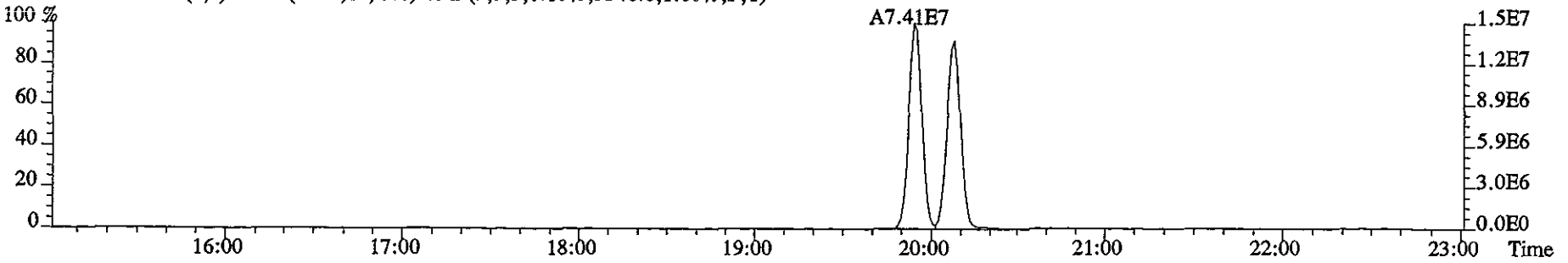
327.8847 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1628.0,1.00%,F,T)



331.9368 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8260.0,1.00%,F,T)

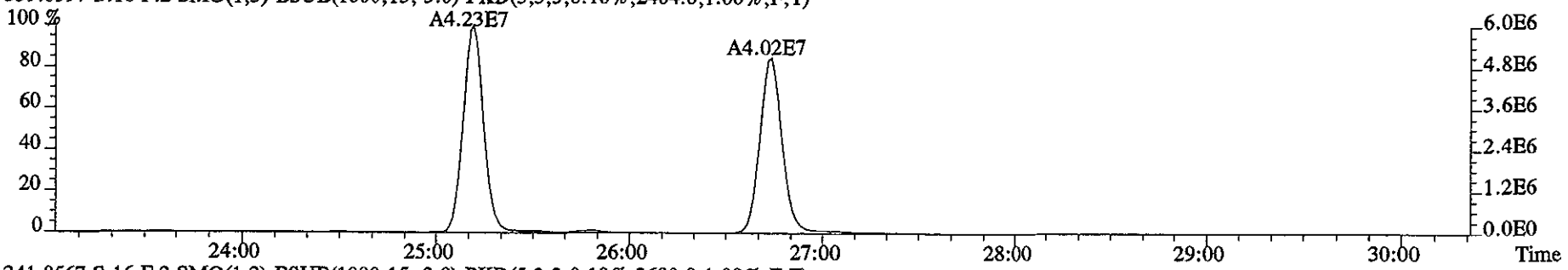


333.9339 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3548.0,1.00%,F,T)

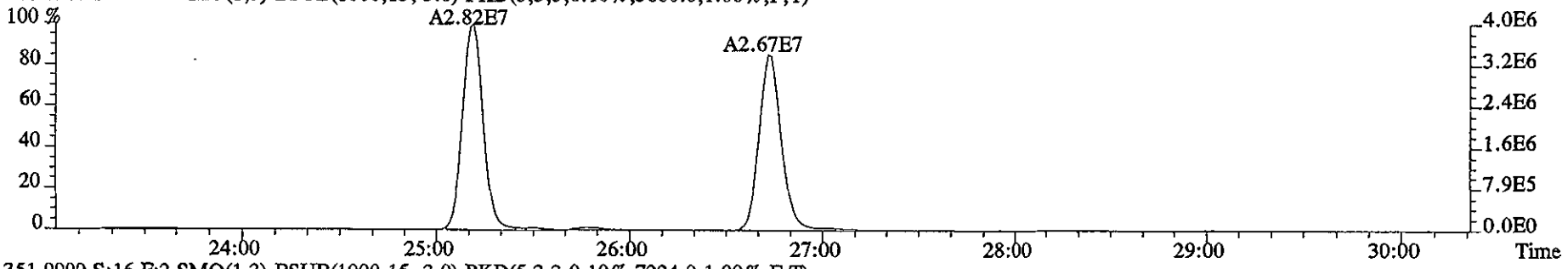


File:13SE10A4D5 #1-470 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

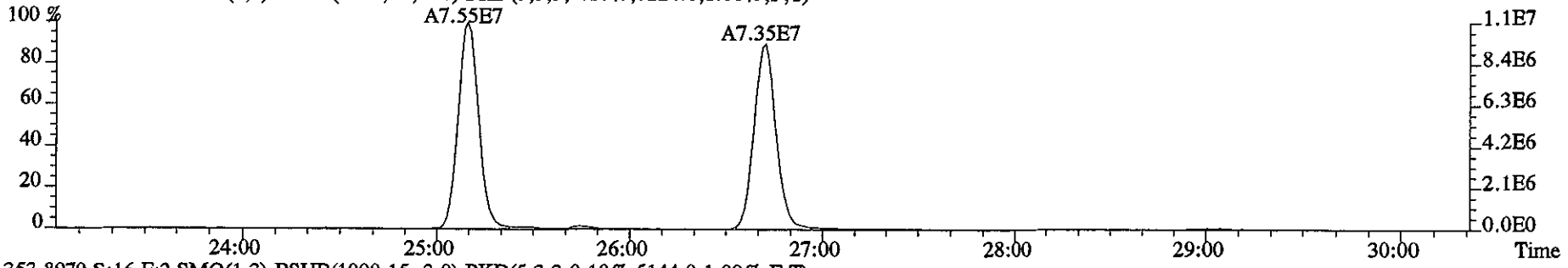
339.8597 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



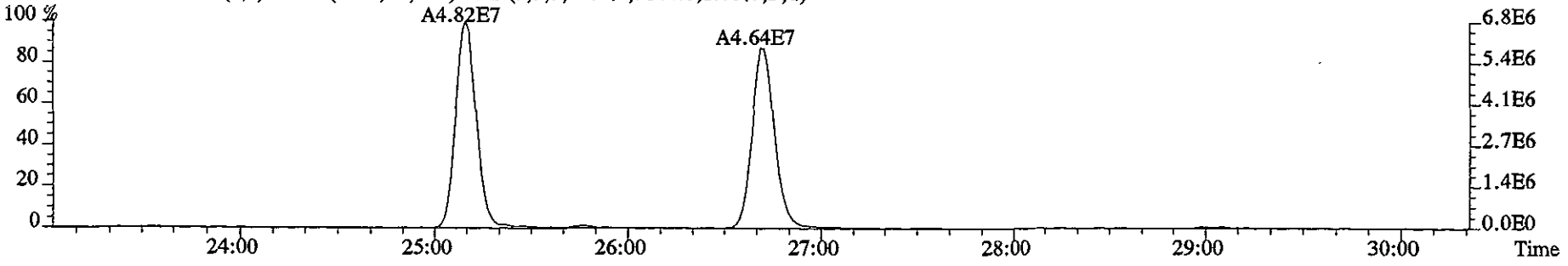
341.8567 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)



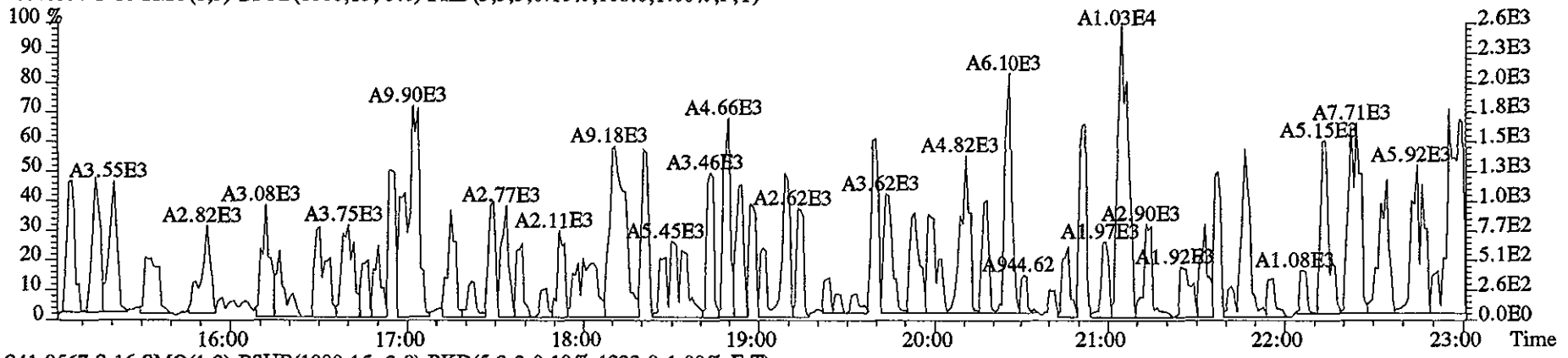
351.9000 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



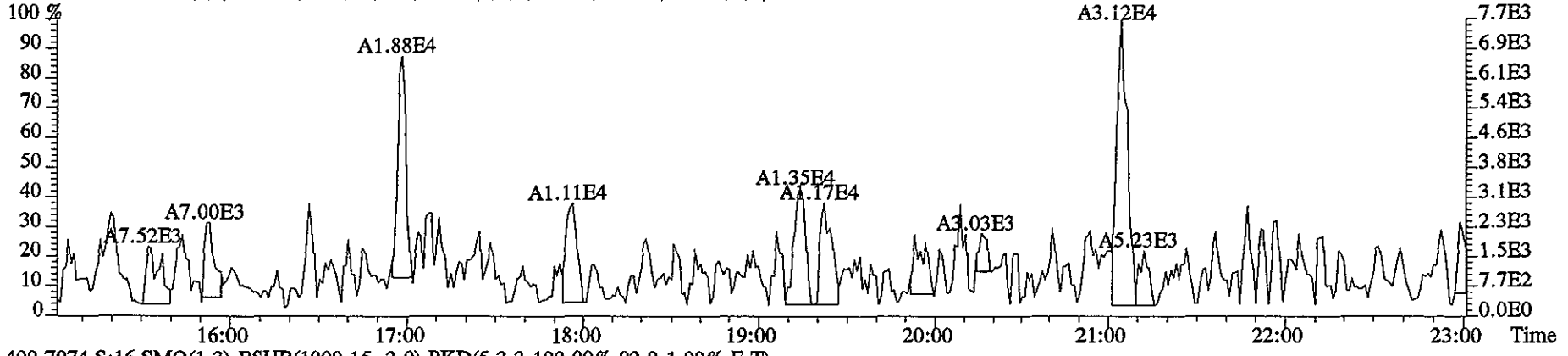
353.8970 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5144.0,1.00%,F,T)



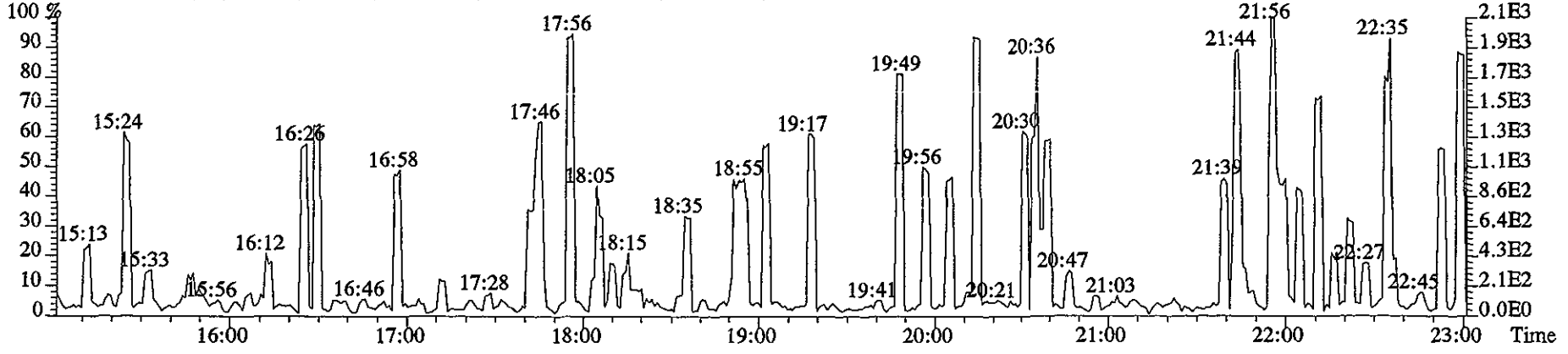
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)



341.8567 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1332.0,1.00%,F,T)

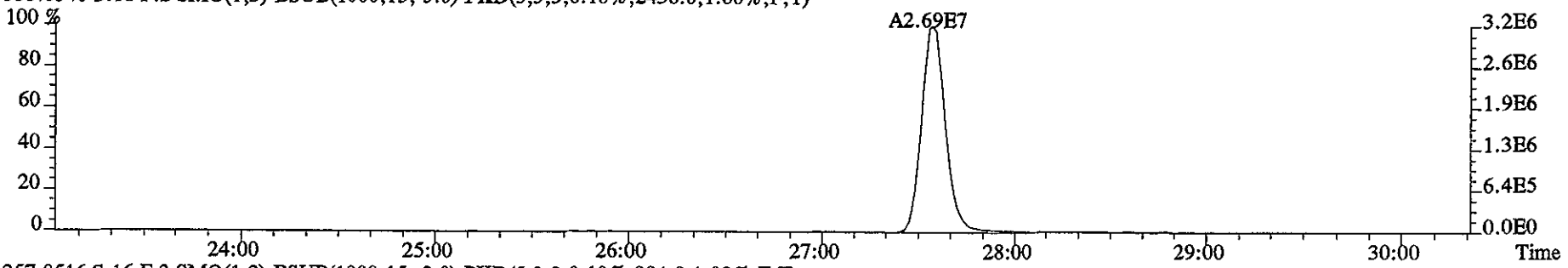


409.7974 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)

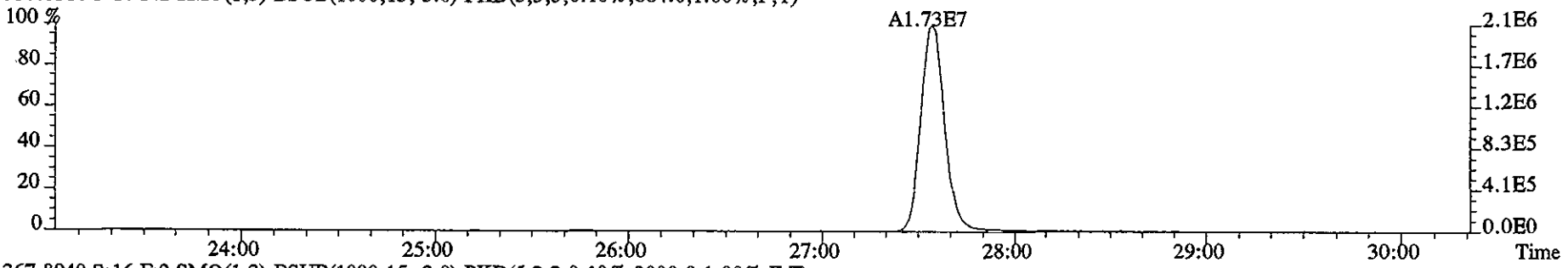


File:13SE10A4D5 #1-470 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

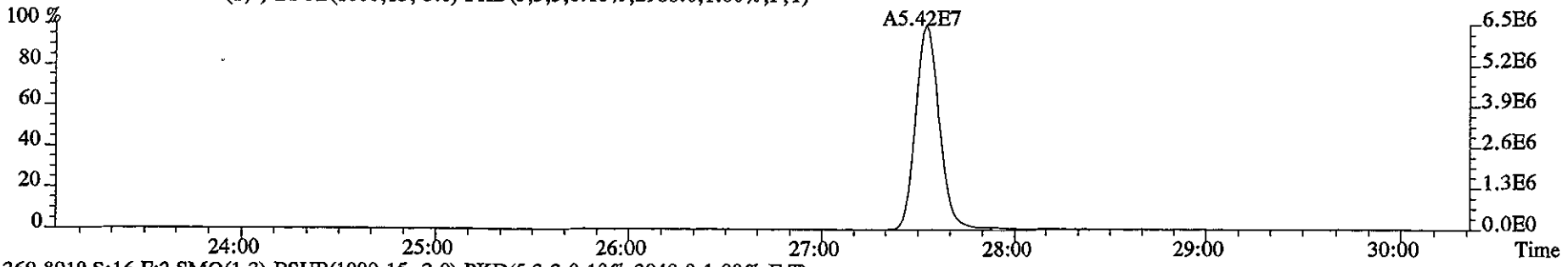
355.8546 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2436.0,1.00%,F,T)



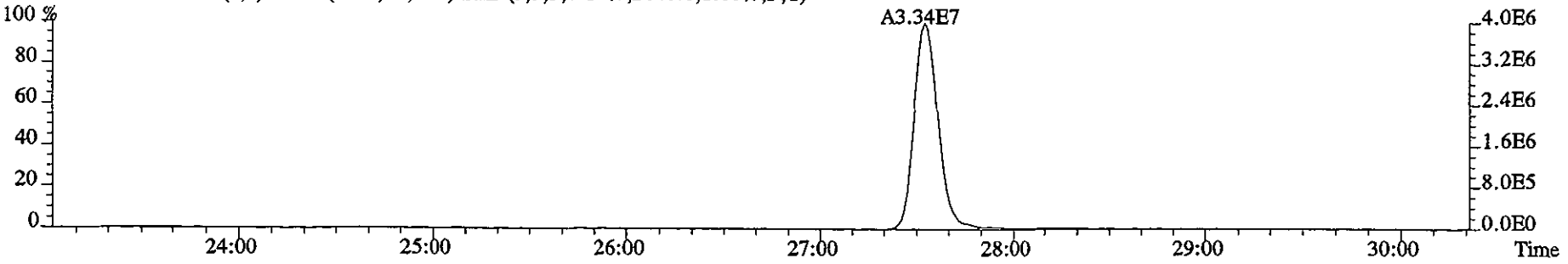
357.8516 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,884.0,1.00%,F,T)



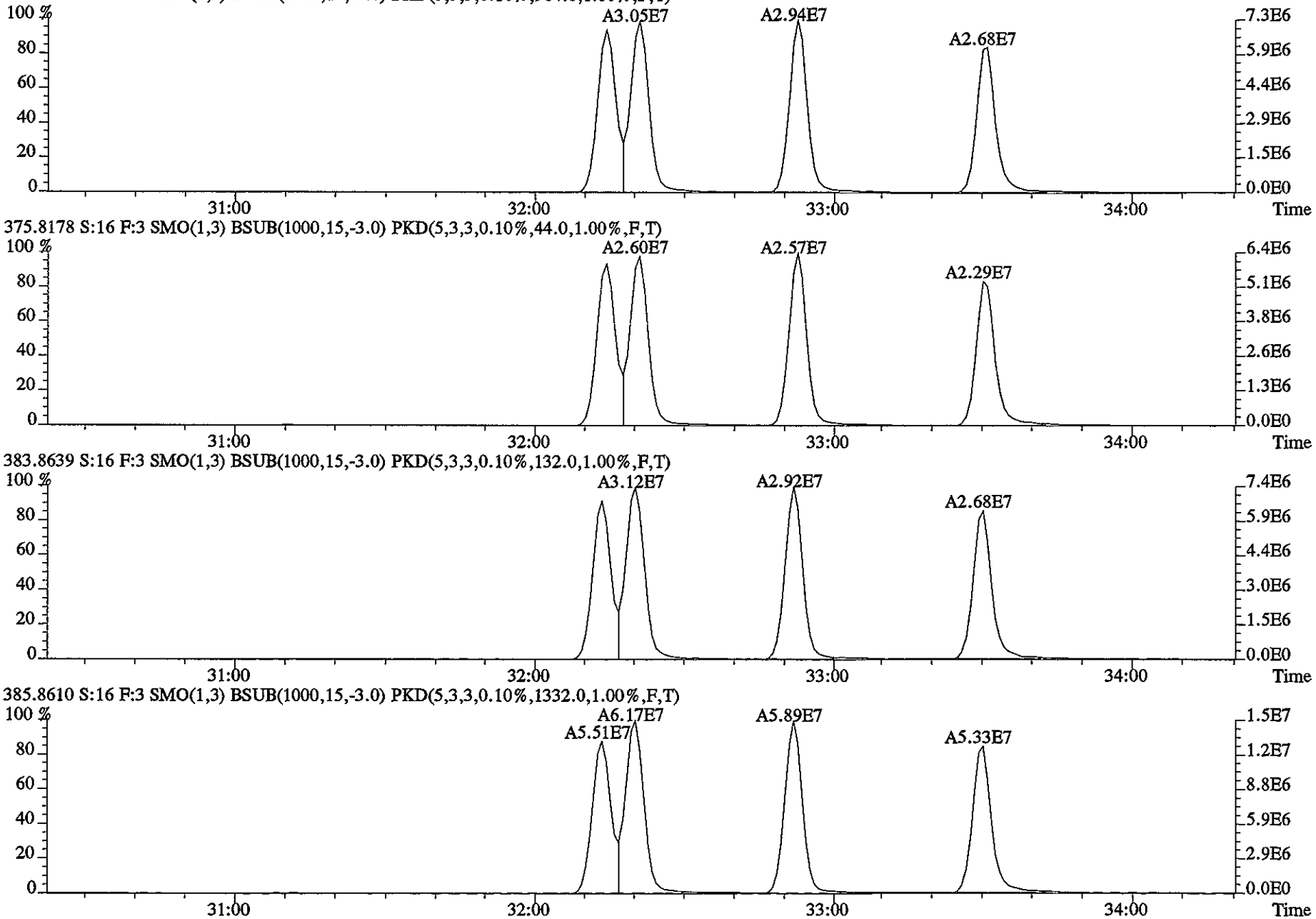
367.8949 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2988.0,1.00%,F,T)



369.8919 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2040.0,1.00%,F,T)

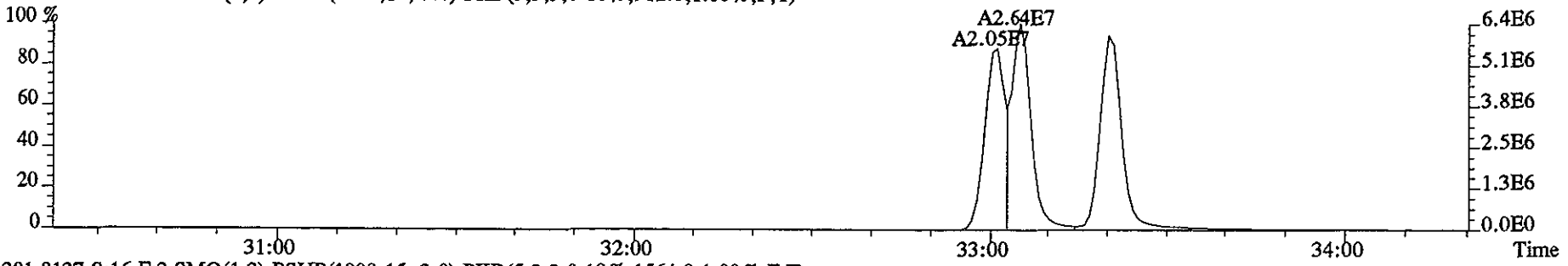


File:13SE10A4D5 #1-286 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

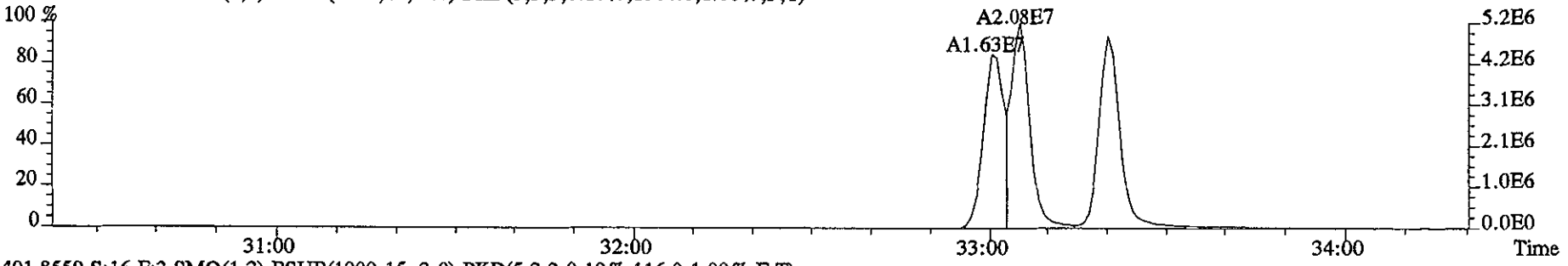


File:13SE10A4D5 #1-286 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

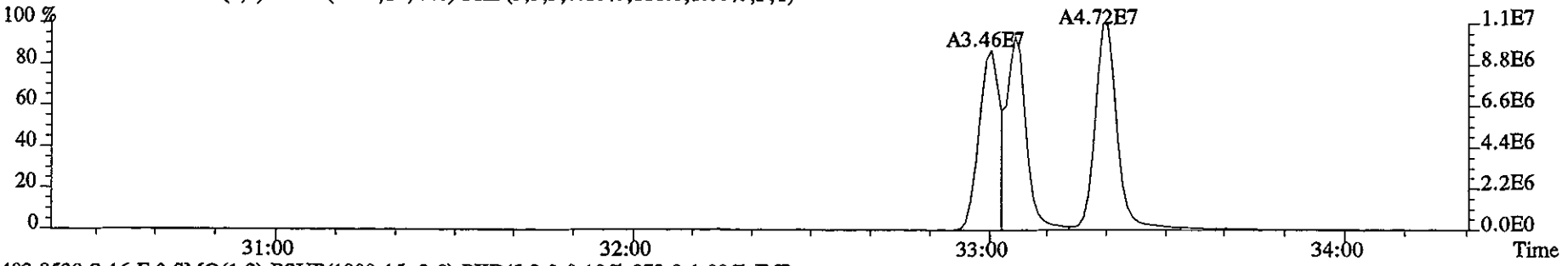
389.8157 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,912.0,1.00%,F,T)



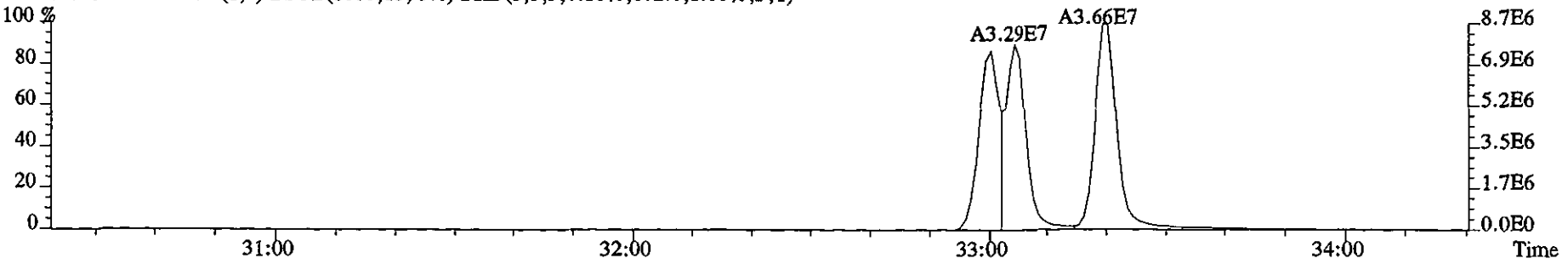
391.8127 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1564.0,1.00%,F,T)



401.8559 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)

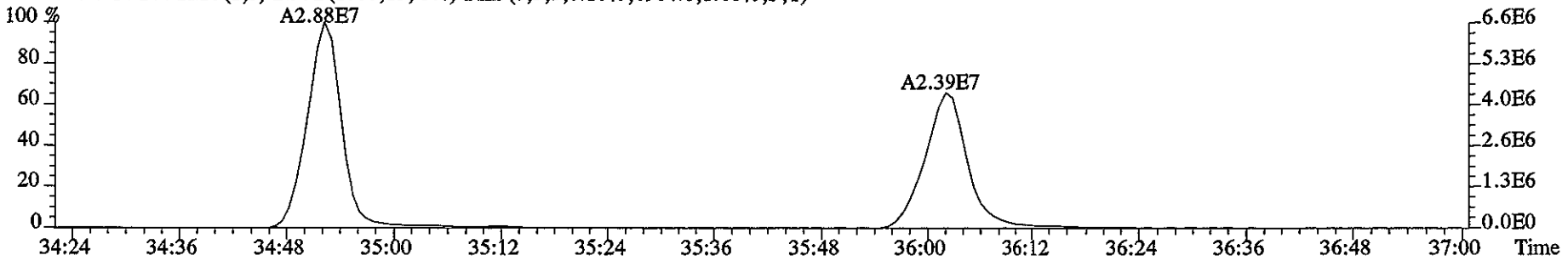


403.8529 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,872.0,1.00%,F,T)

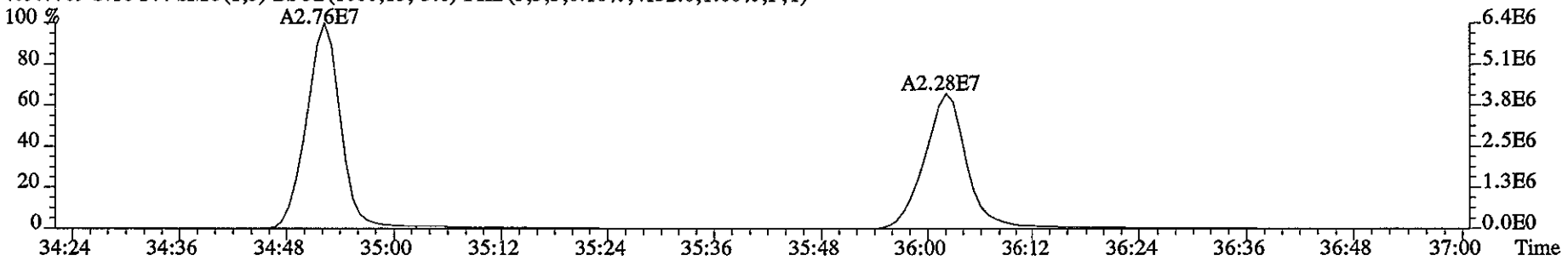


File:13SE10A4D5 #1-201 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

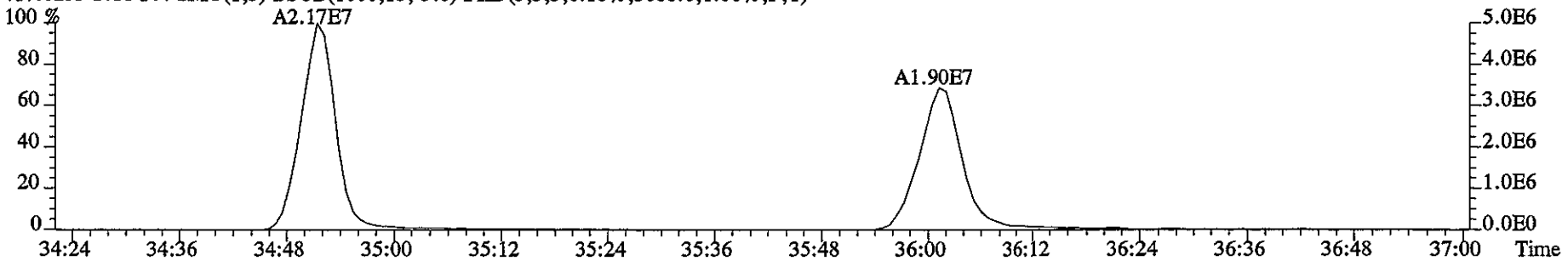
407.7818 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6984.0,1.00%,F,T)



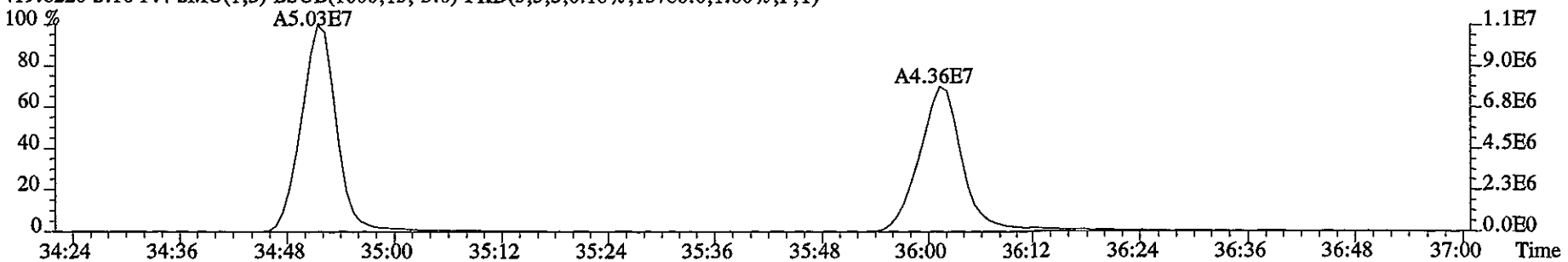
409.7789 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4132.0,1.00%,F,T)



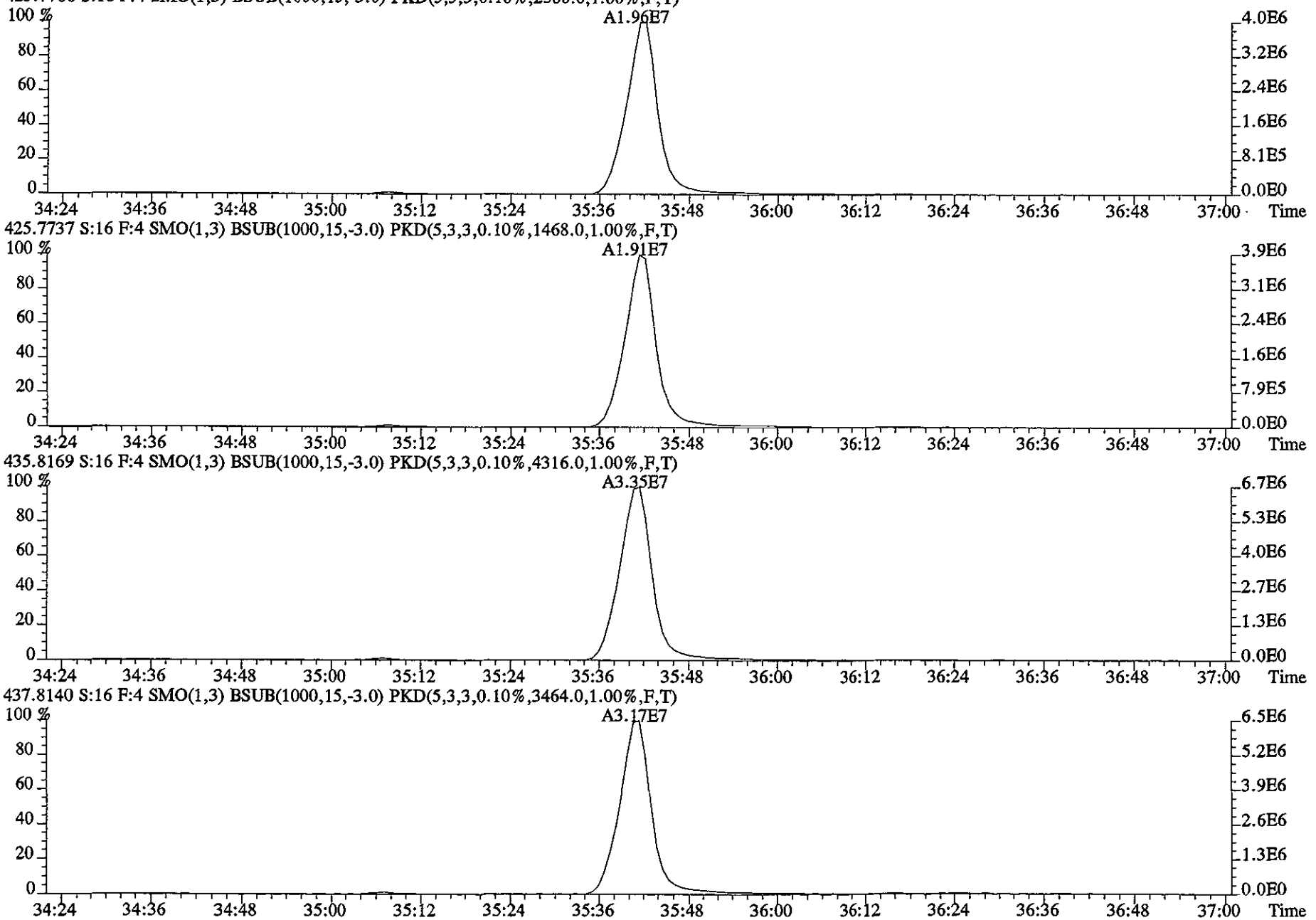
417.8253 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5088.0,1.00%,F,T)



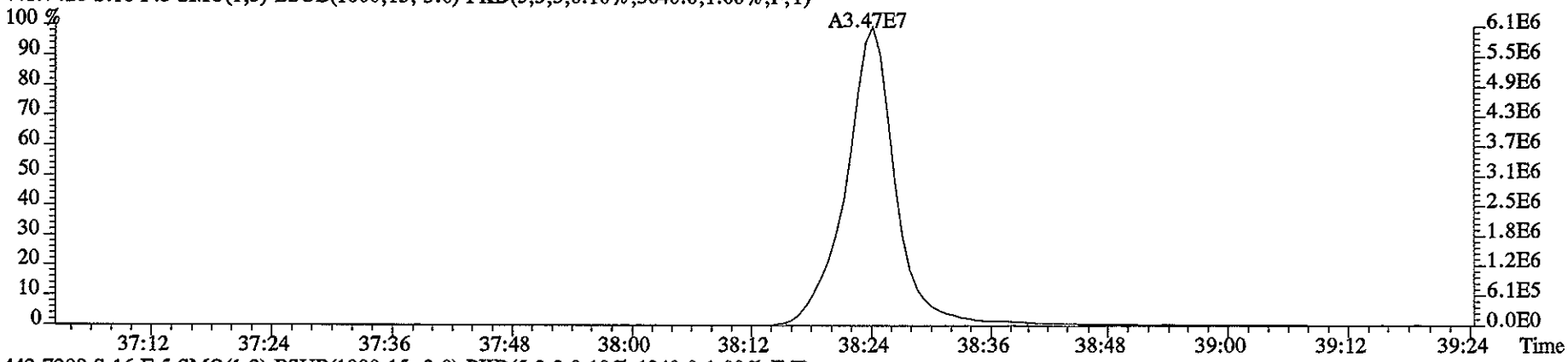
419.8220 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15780.0,1.00%,F,T)



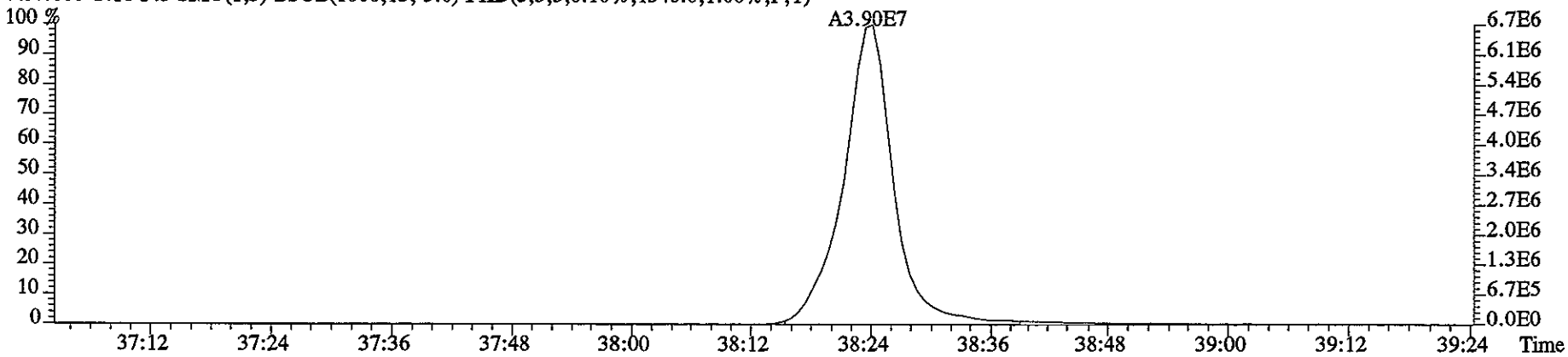
File:13SE10A4D5 #1-201 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES



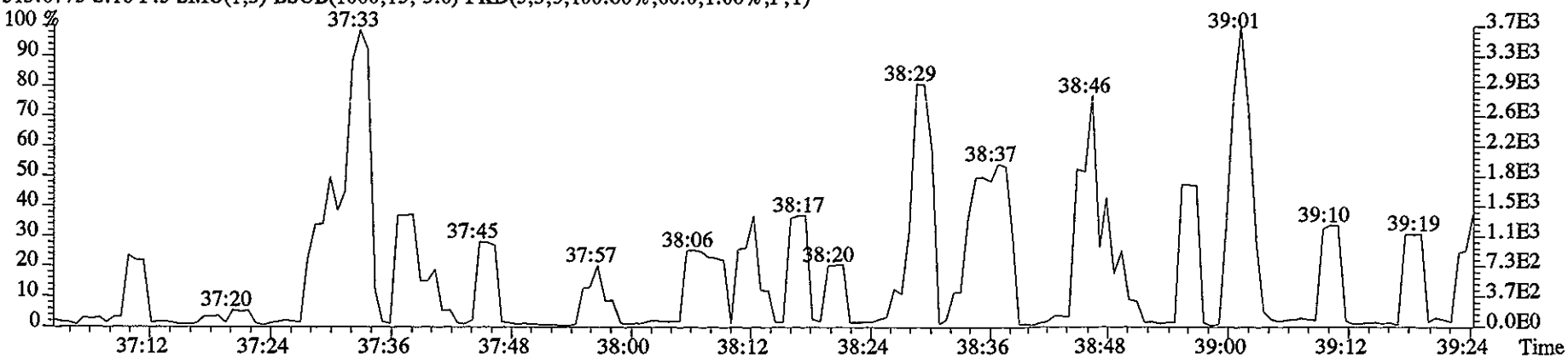
File:13SE10A4D5 #1-192 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3640.0,1.00%,F,T)



443.7399 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1340.0,1.00%,F,T)

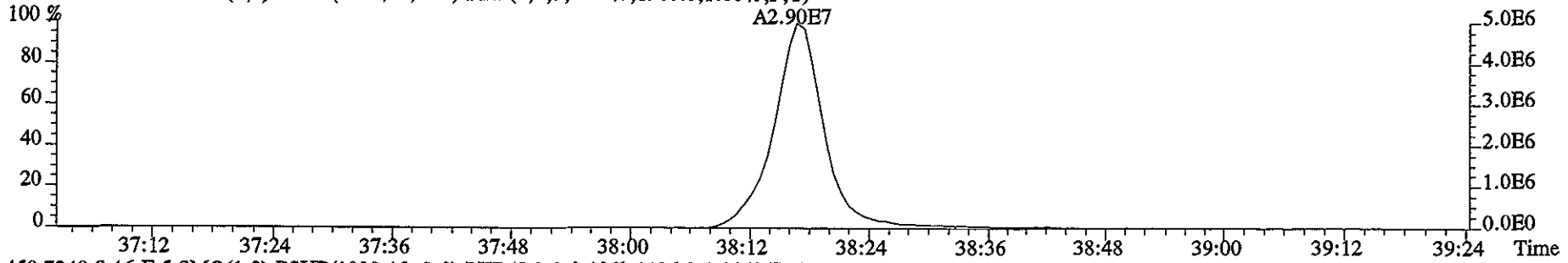


513.6775 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,60.0,1.00%,F,T)

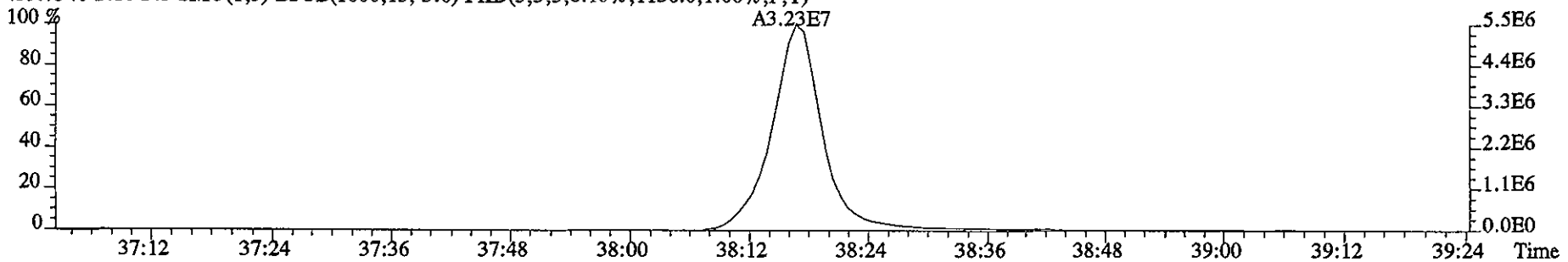


File:13SE10A4D5 #1-192 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

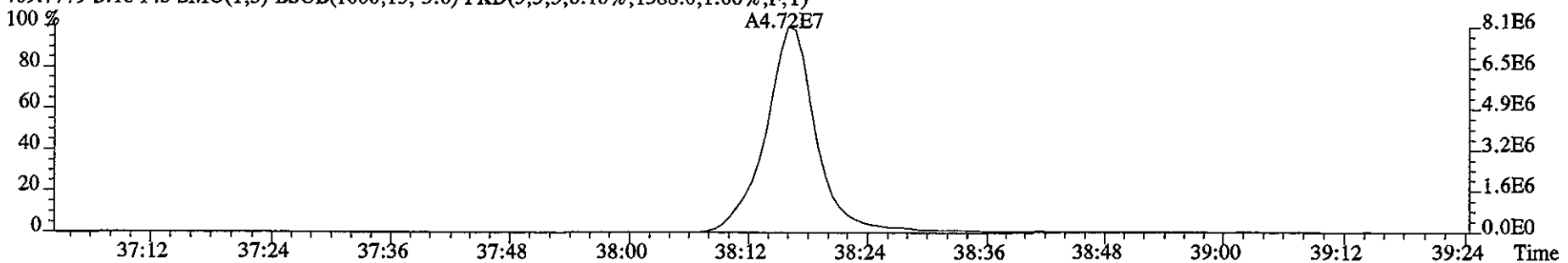
457.7377 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2900.0,1.00%,F,T)



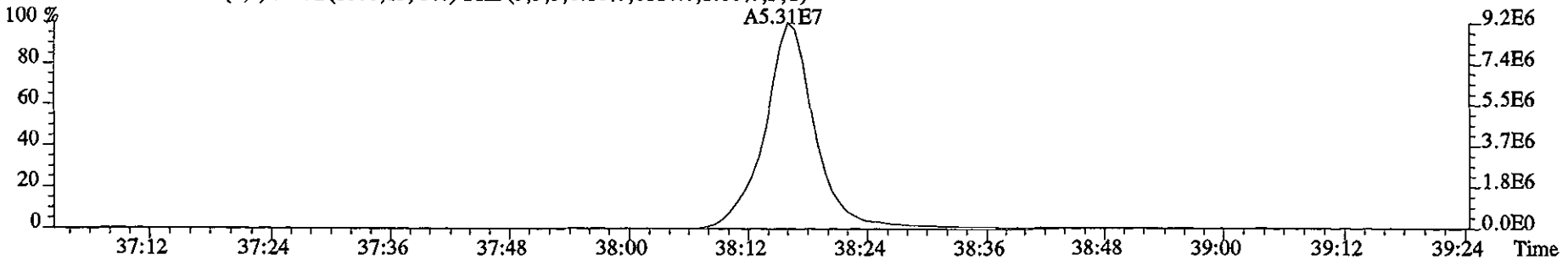
459.7348 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1136.0,1.00%,F,T)



469.7779 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1388.0,1.00%,F,T)

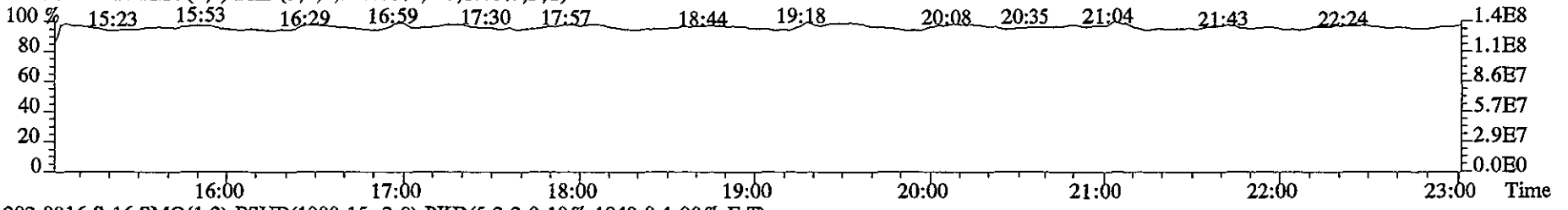


471.7750 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6116.0,1.00%,F,T)

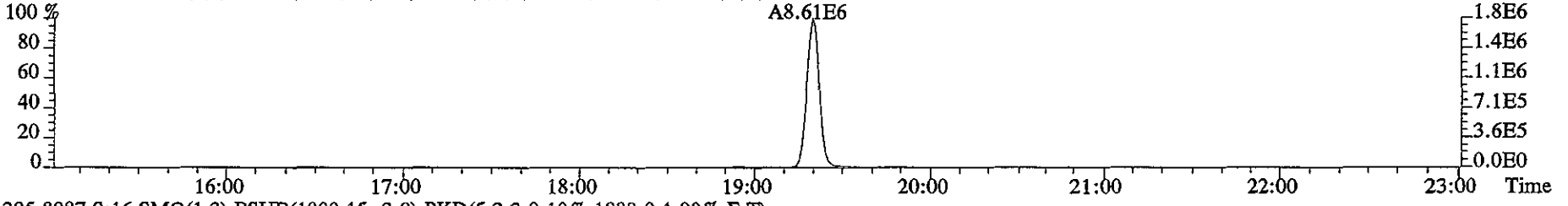


File:13SE10A4D5 #1-530 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

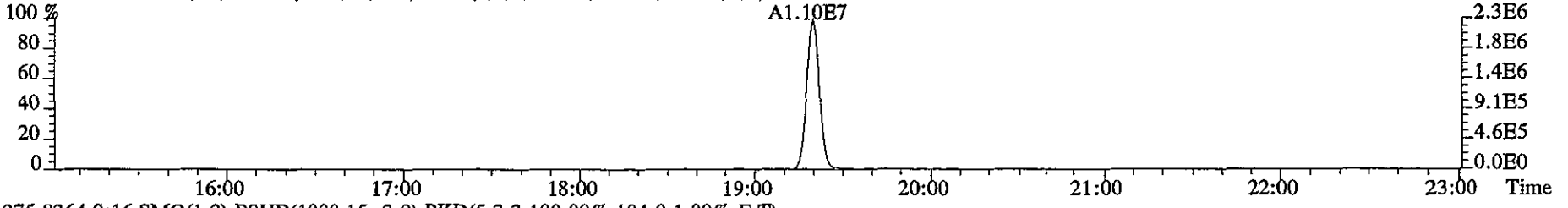
292.9825 S:16 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



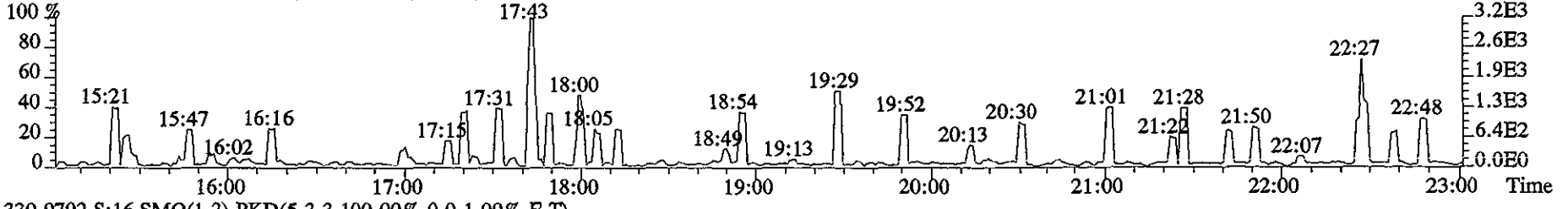
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1040.0,1.00%,F,T)



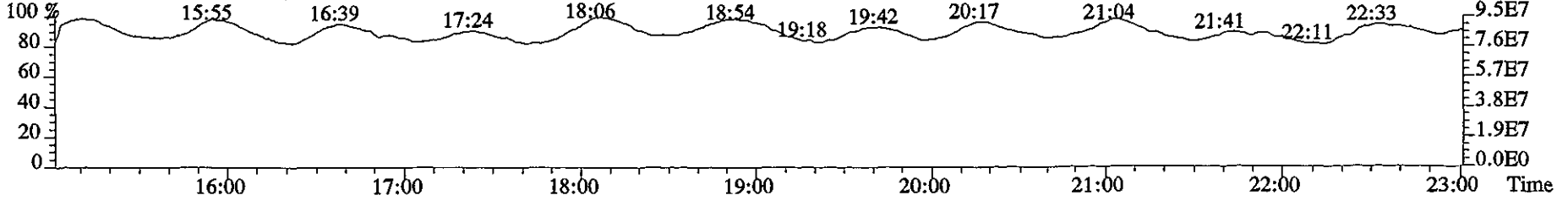
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)



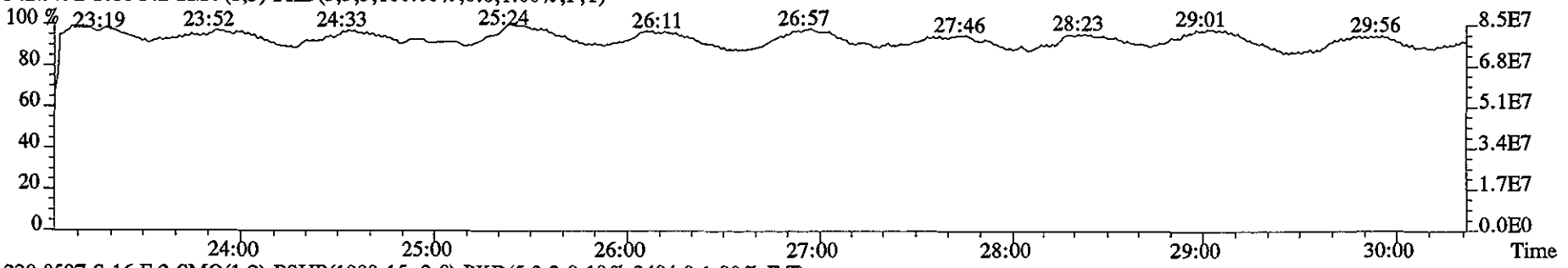
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,104.0,1.00%,F,T)



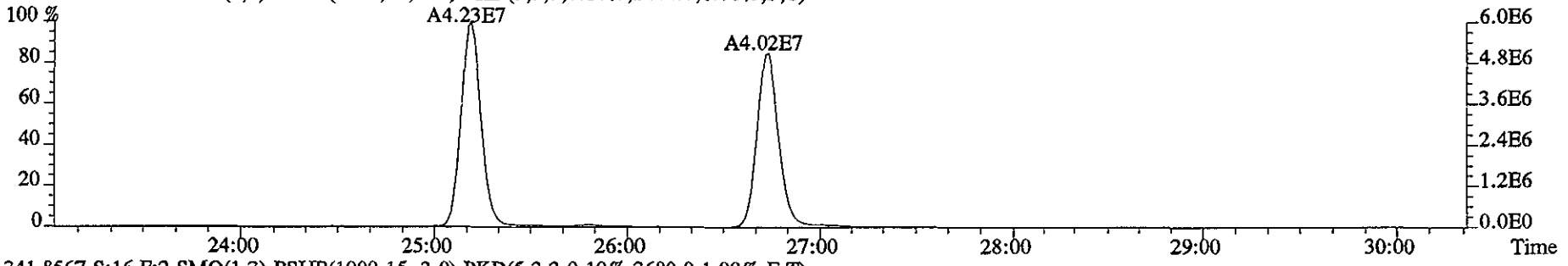
330.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



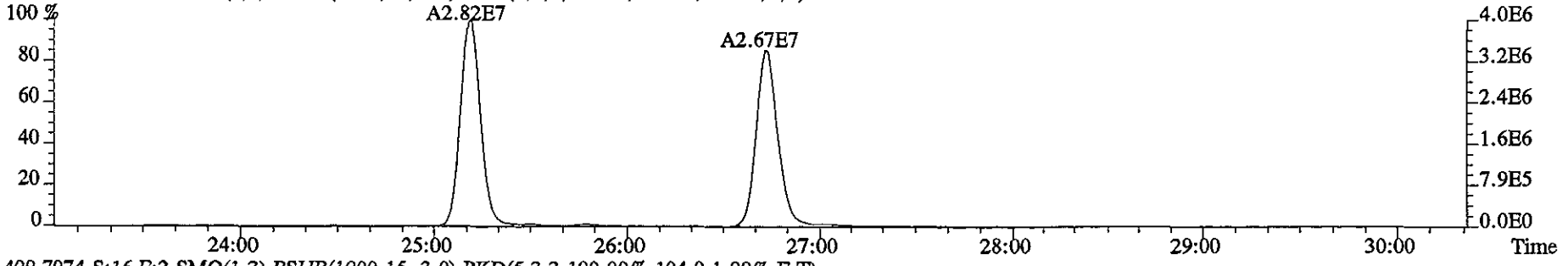
File:13SE10A4D5 #1-470 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES
342.9792 S:16 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



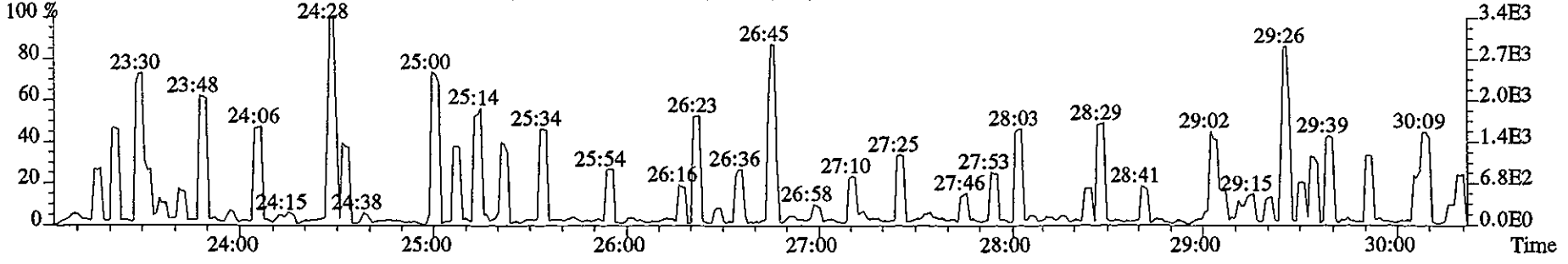
339.8597 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



341.8567 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3680.0,1.00%,F,T)

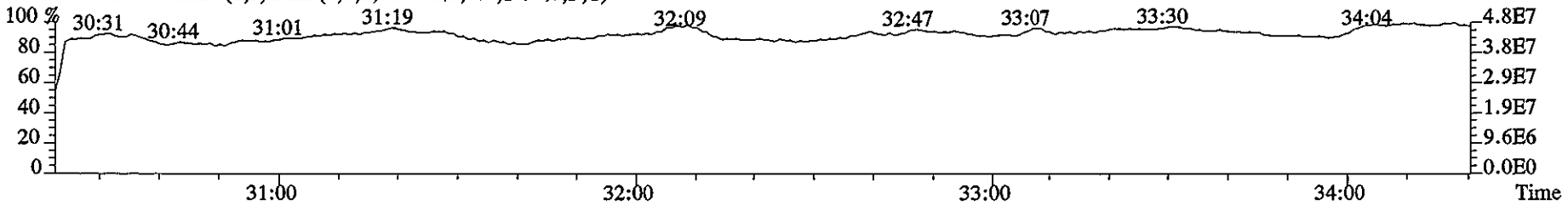


409.7974 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,104.0,1.00%,F,T)

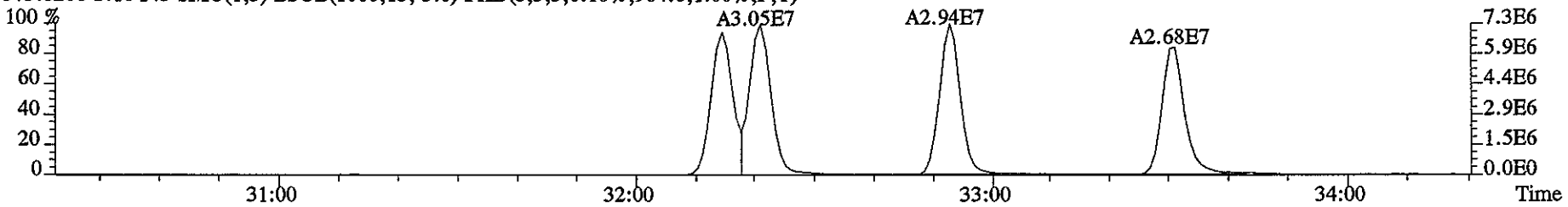


File:13SE10A4D5 #1-286 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

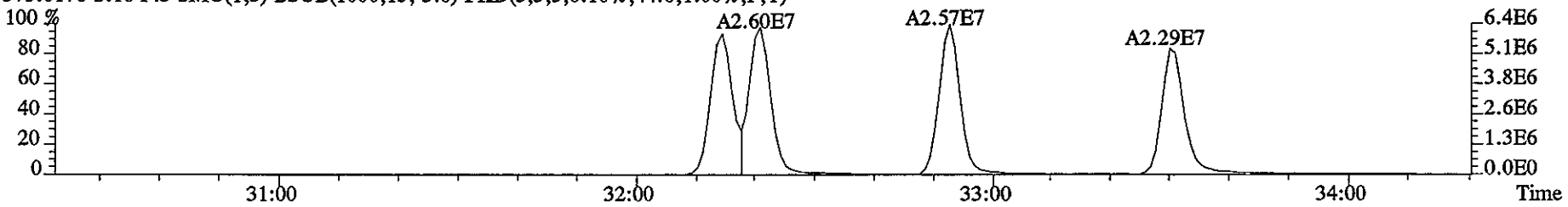
392.9760 S:16 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



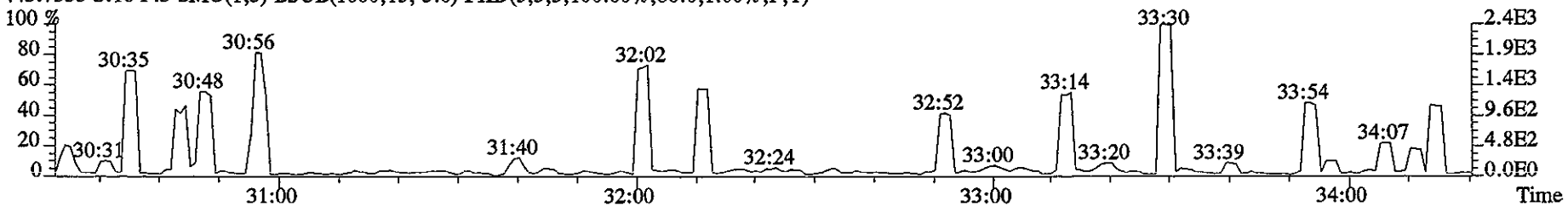
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,964.0,1.00%,F,T)



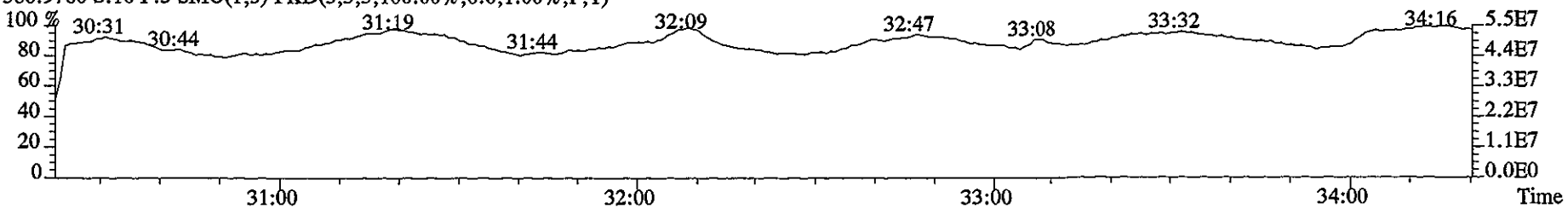
375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44.0,1.00%,F,T)



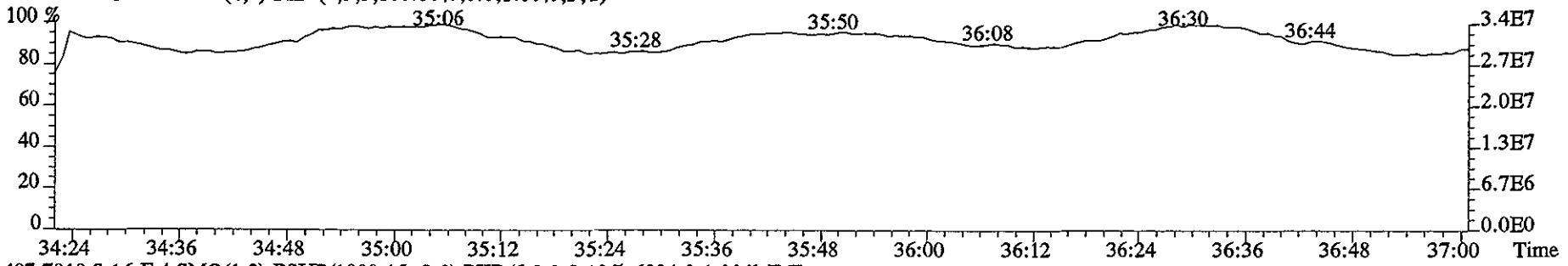
445.7555 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)

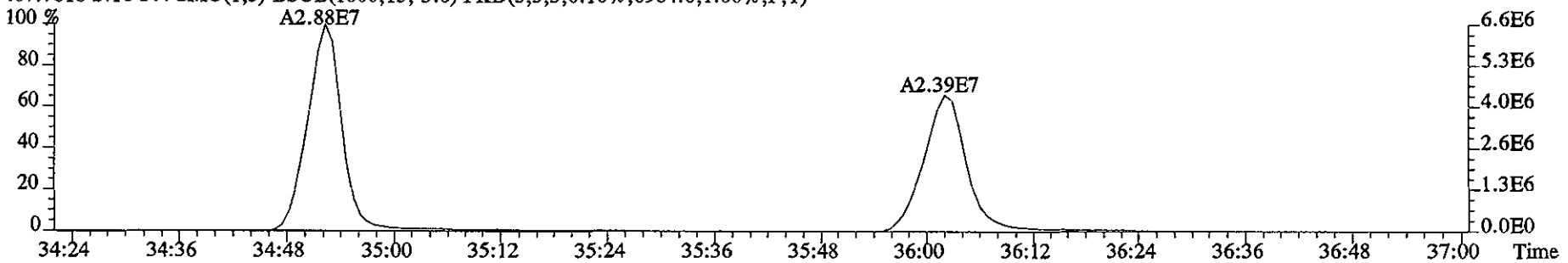


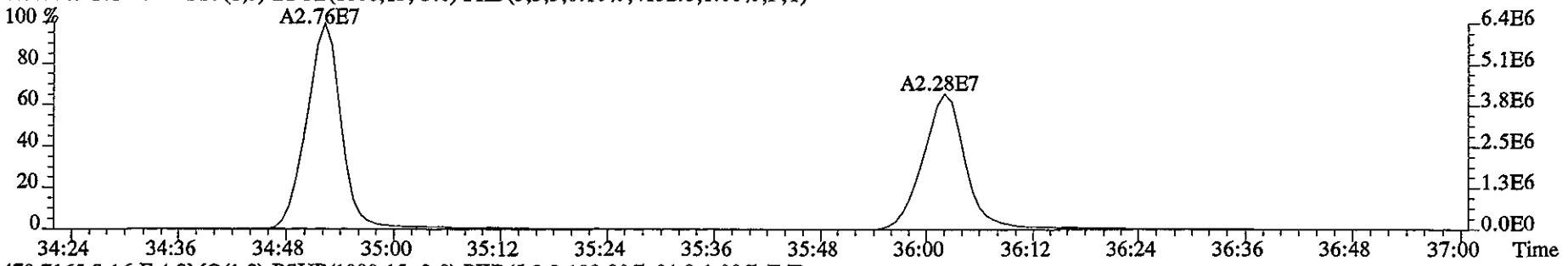
380.9760 S:16 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

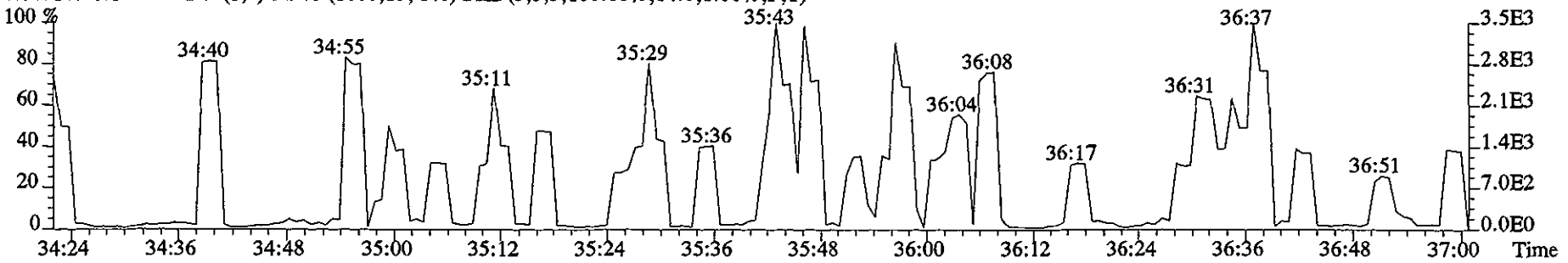


File:13SE10A4D5 #1-201 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES

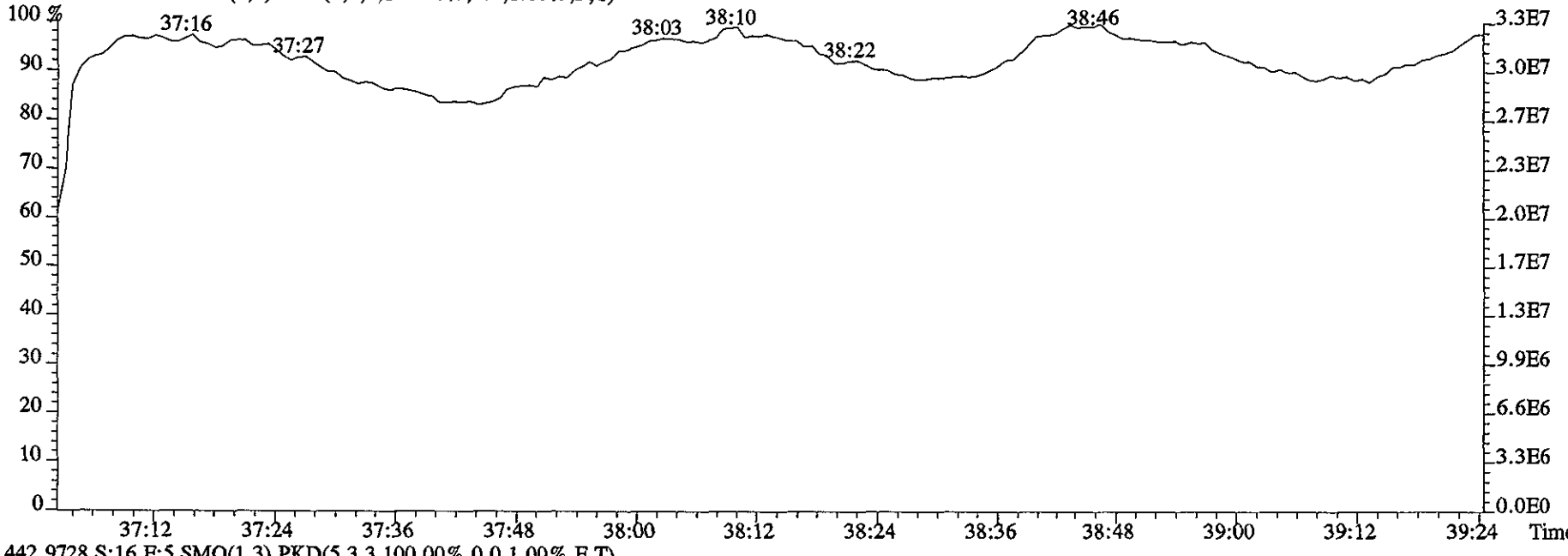




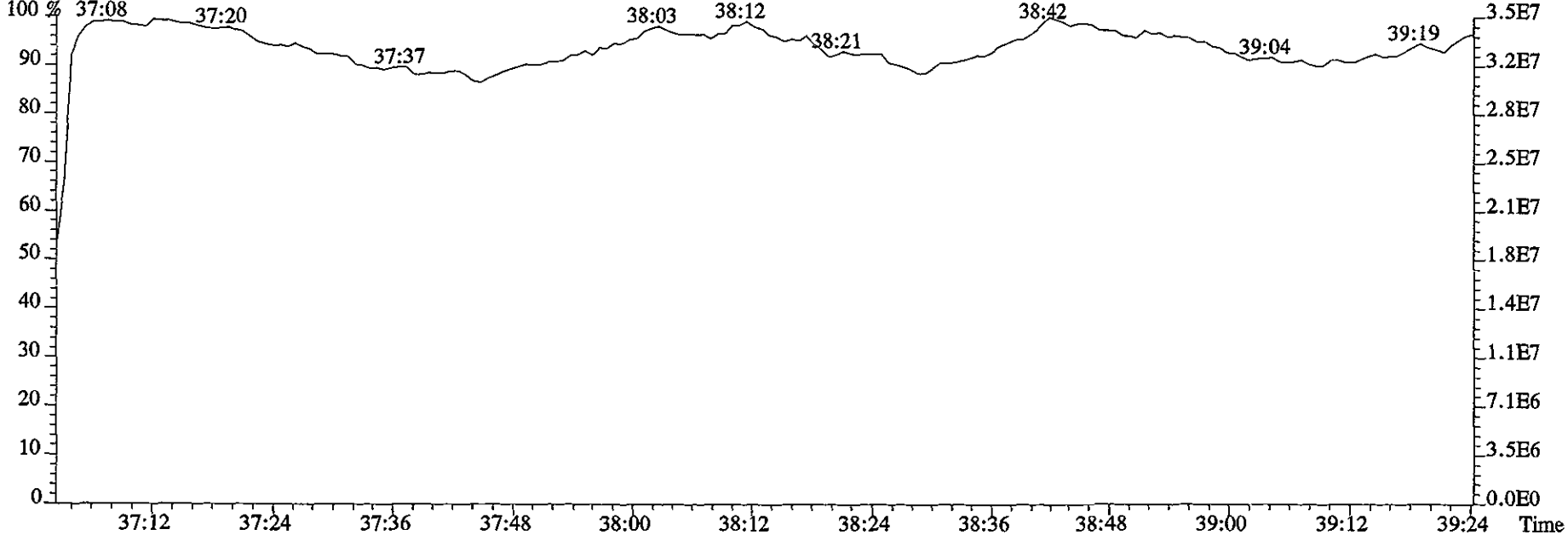




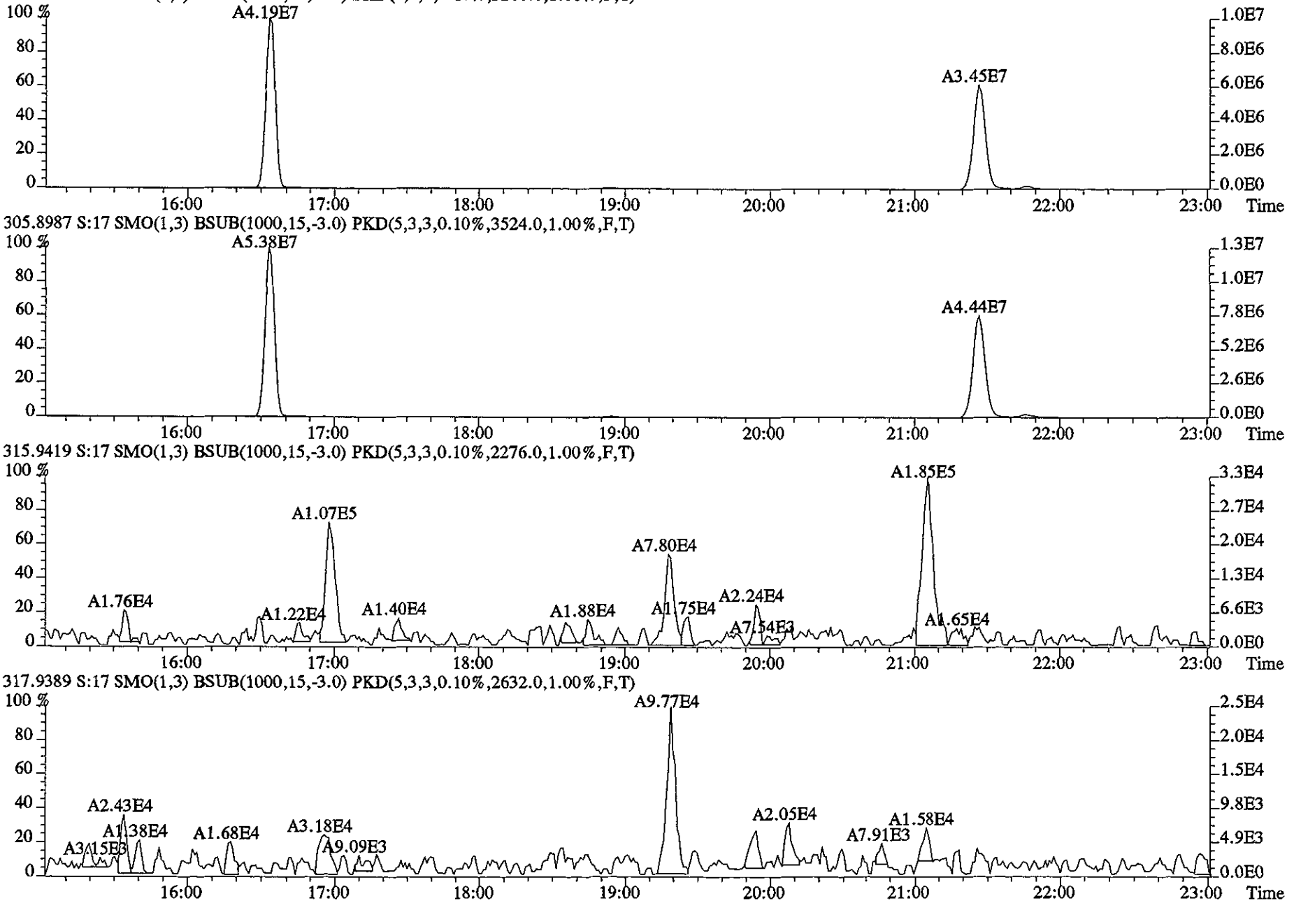
File:13SE10A4D5 #1-192 Acq:13-SEP-2010 22:21:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#16 Text:ST0913B :CS3 10DXN417 Exp:DIOXINRES
454.9728 S:16 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



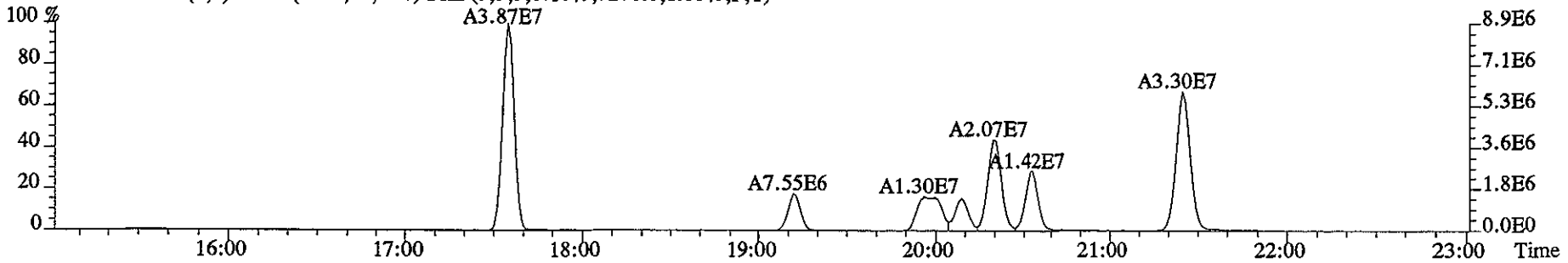
442.9728 S:16 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

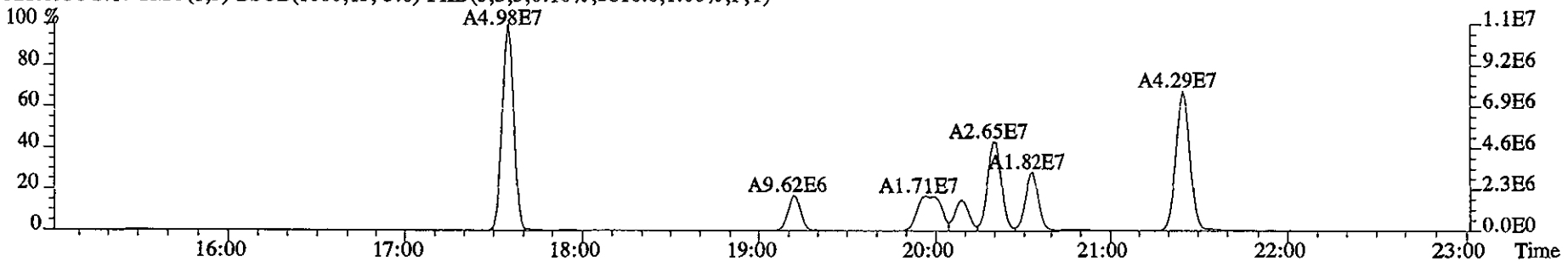


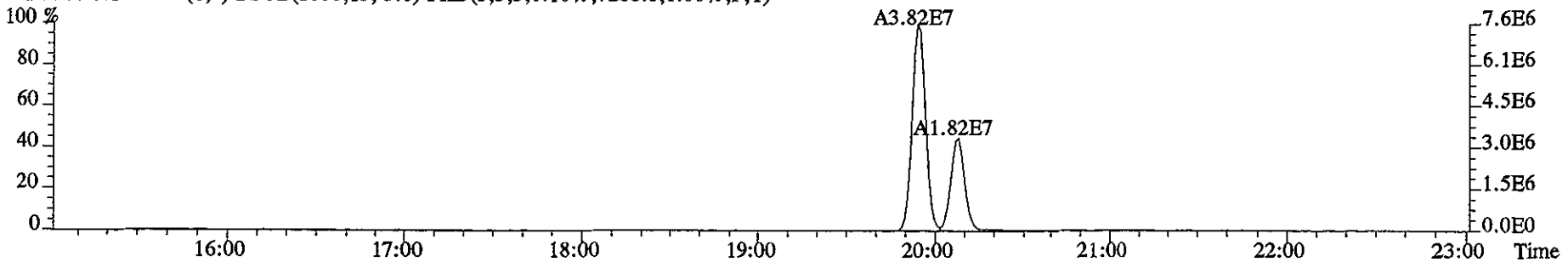
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

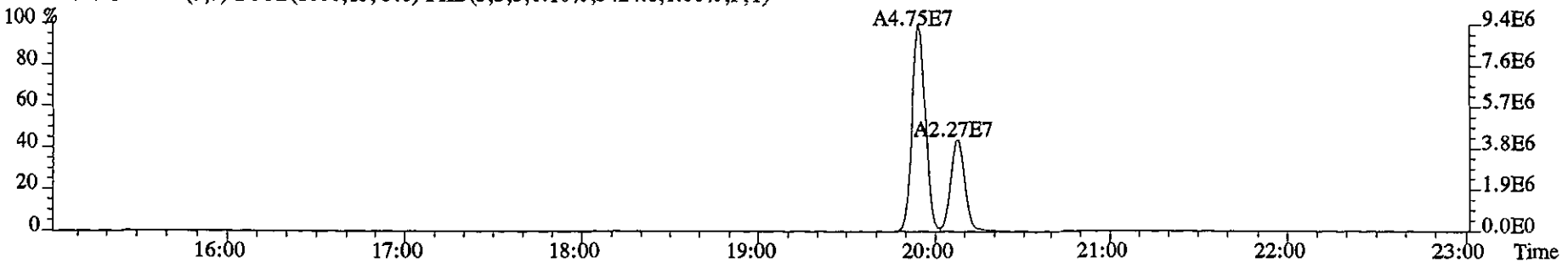


File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

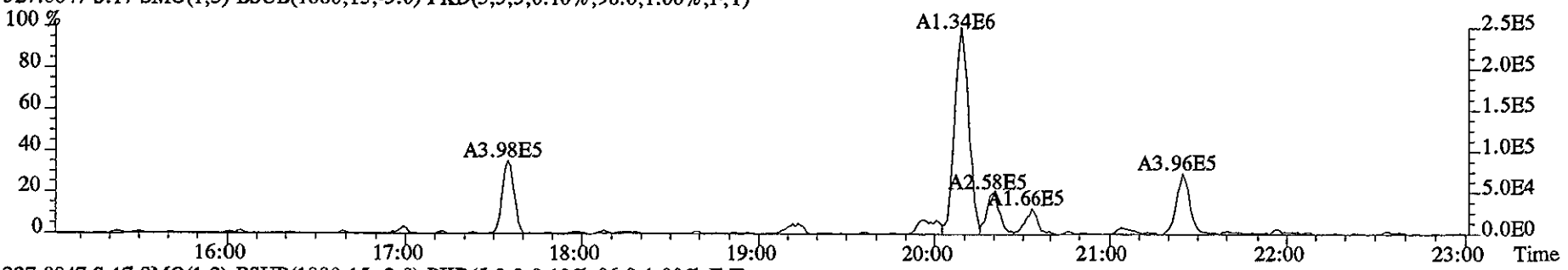


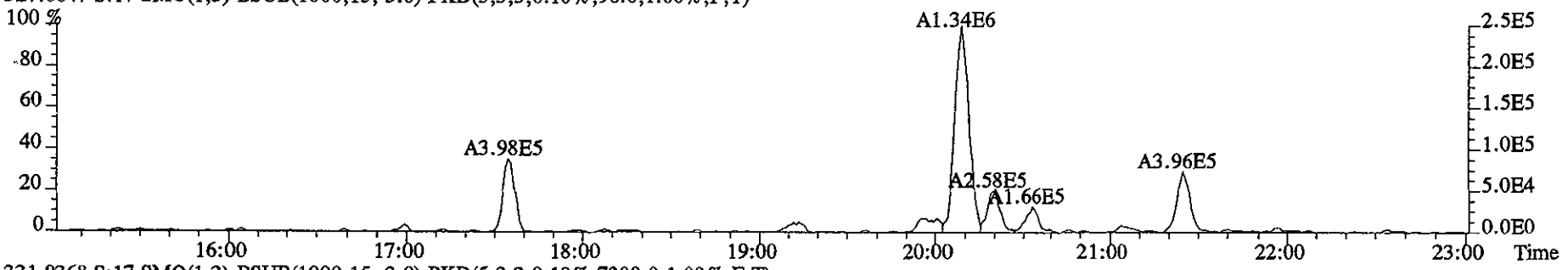


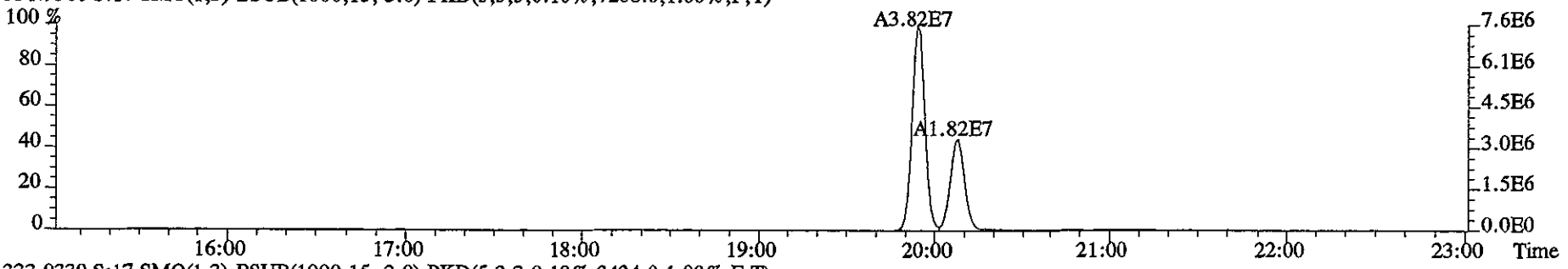


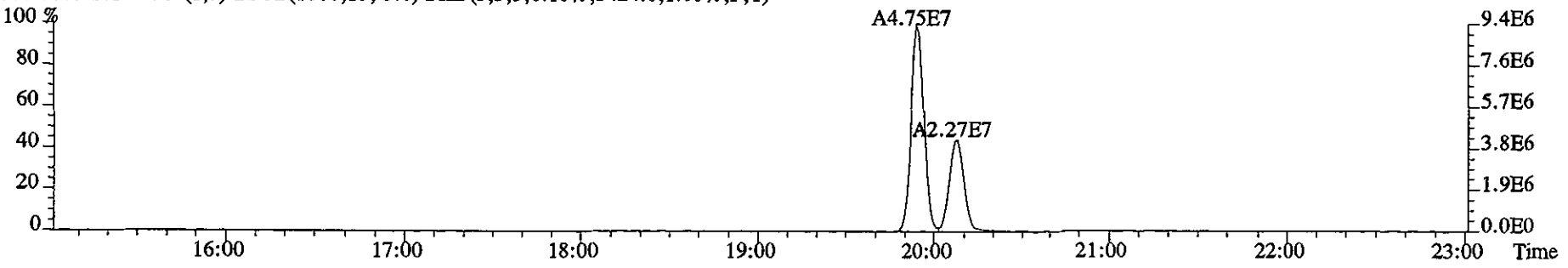


File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

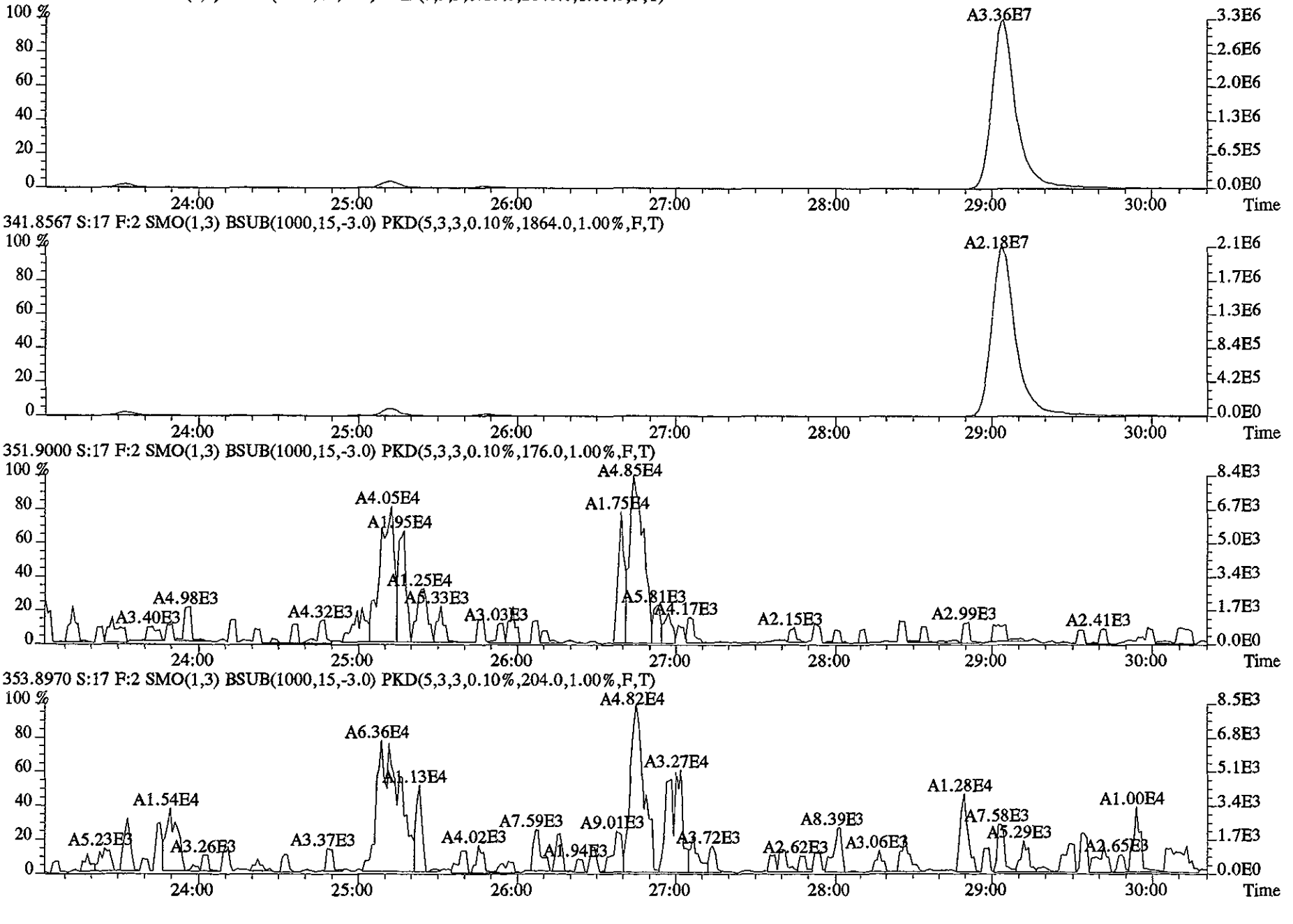




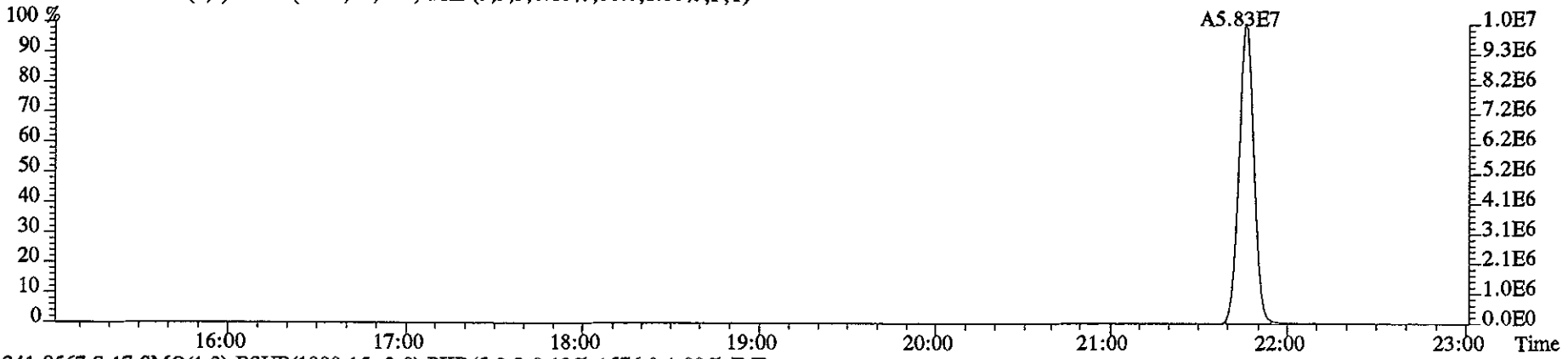




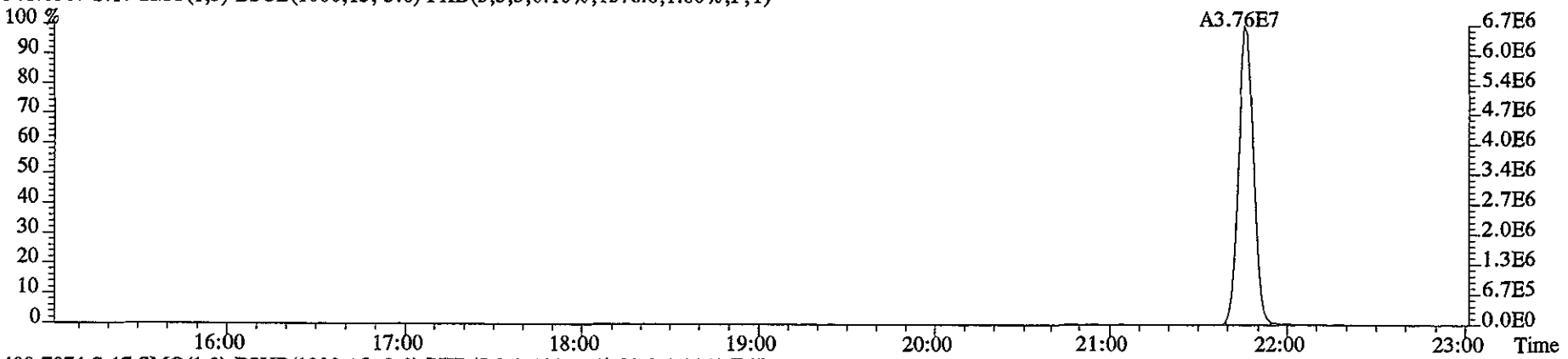
File:13SE10A4D5 #1-469 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES



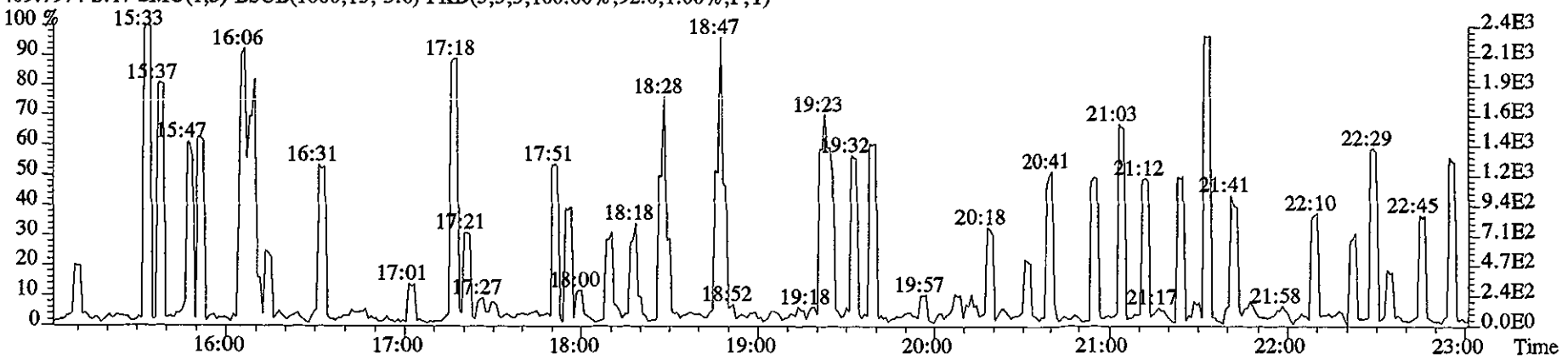
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



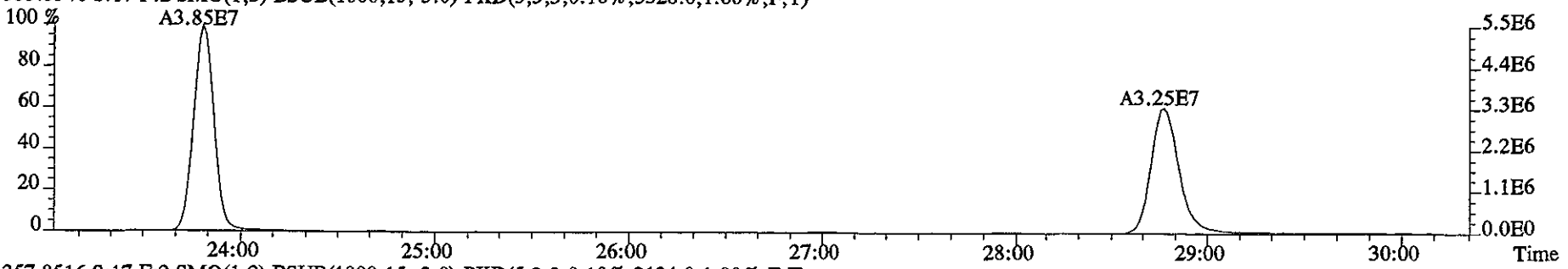
341.8567 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1576.0,1.00%,F,T)



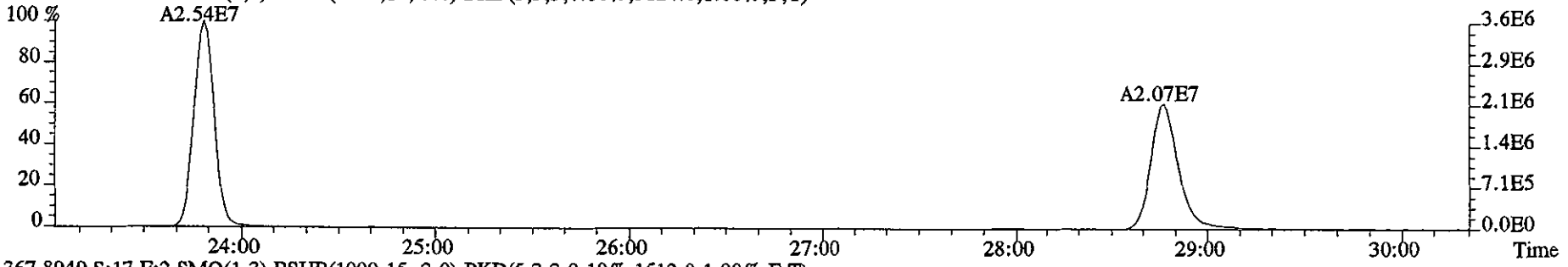
409.7974 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)



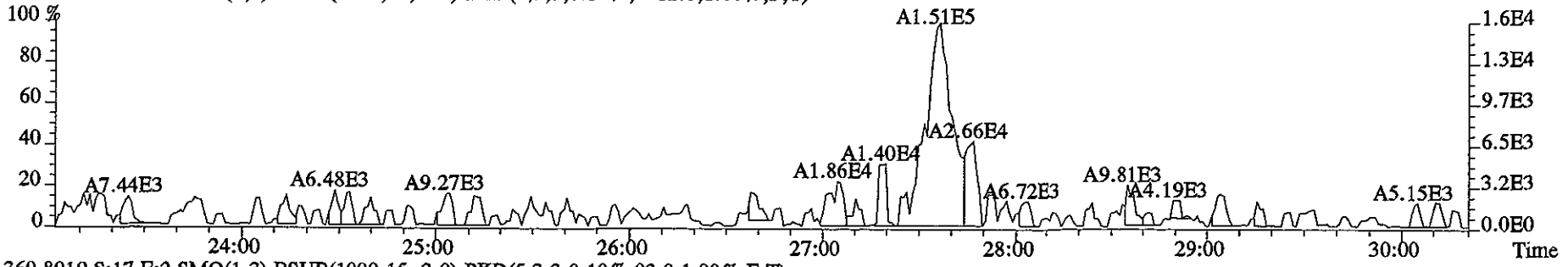
File:13SE10A4D5 #1-469 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES
355.8546 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5328.0,1.00%,F,T)



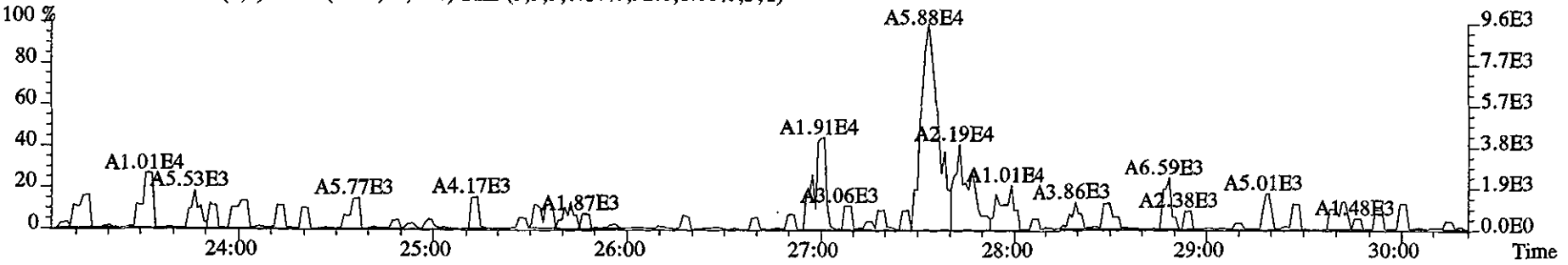
357.8516 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3124.0,1.00%,F,T)



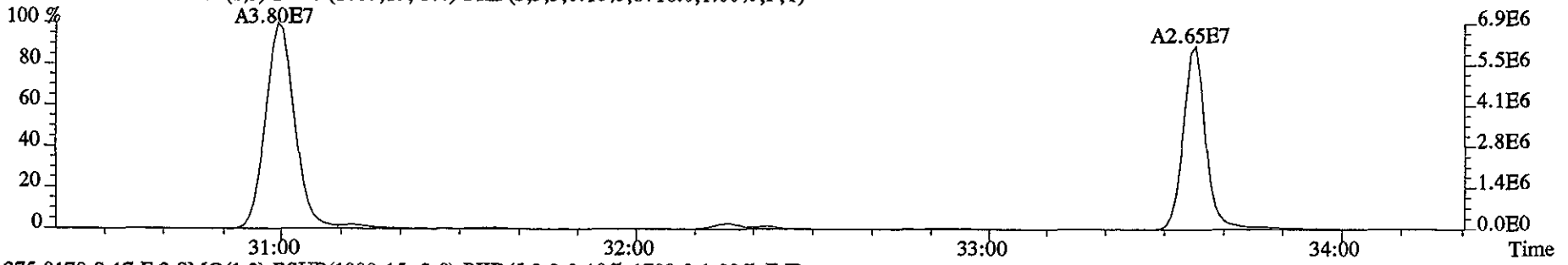
367.8949 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1512.0,1.00%,F,T)

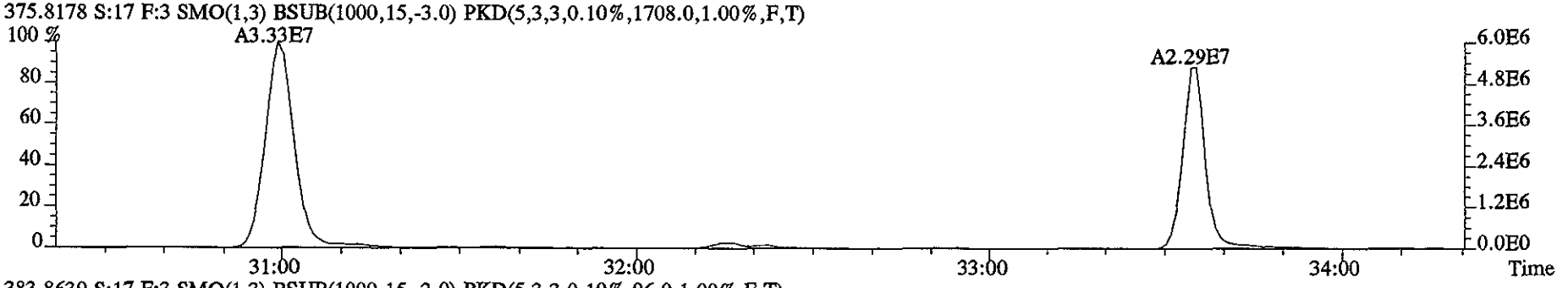


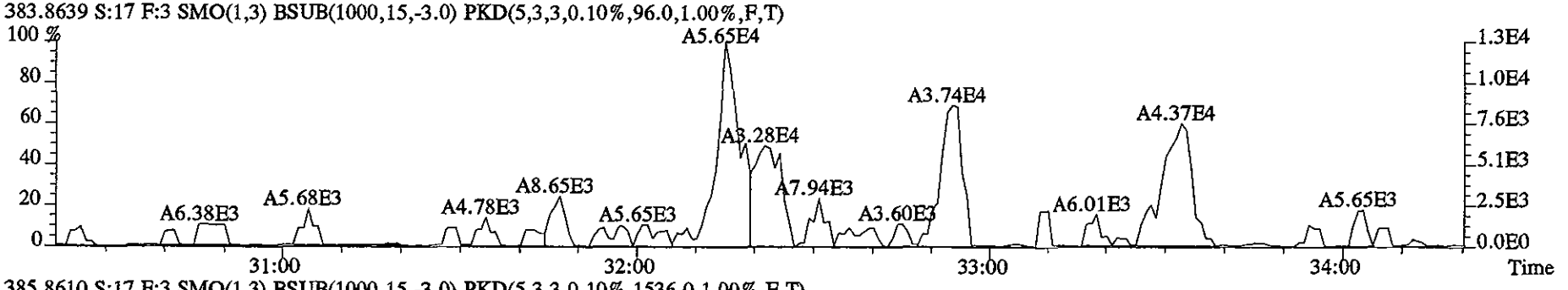
369.8919 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)

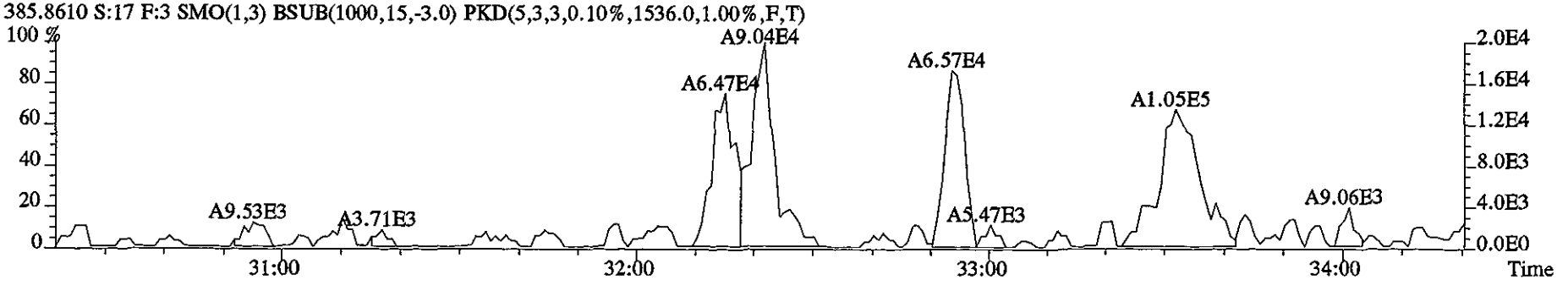


File:13SE10A4D5 #1-287 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

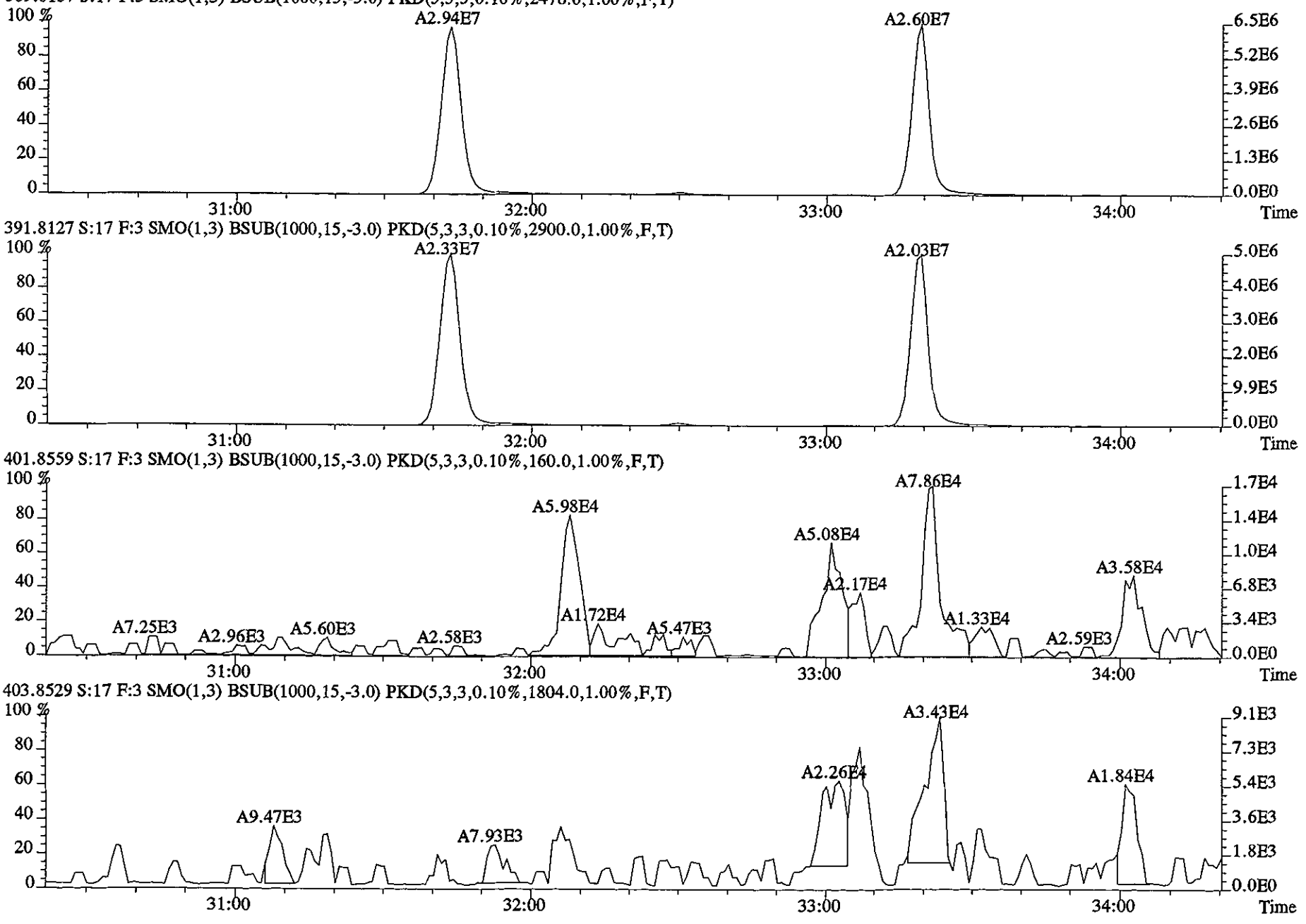




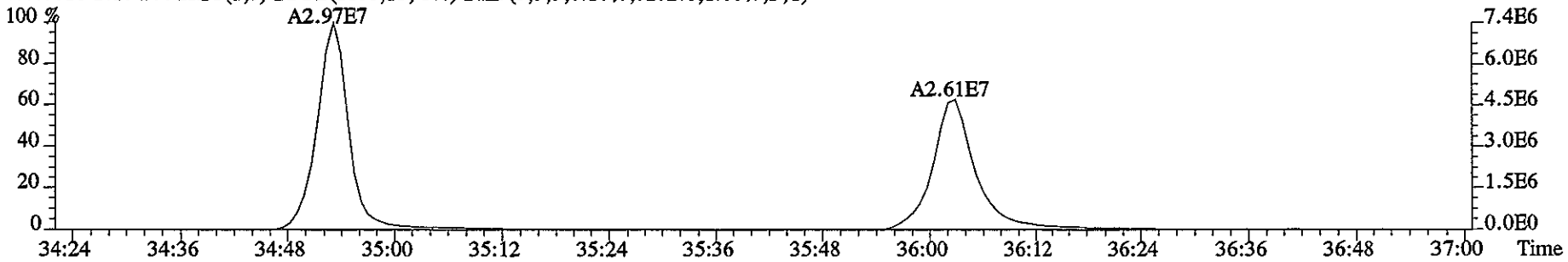


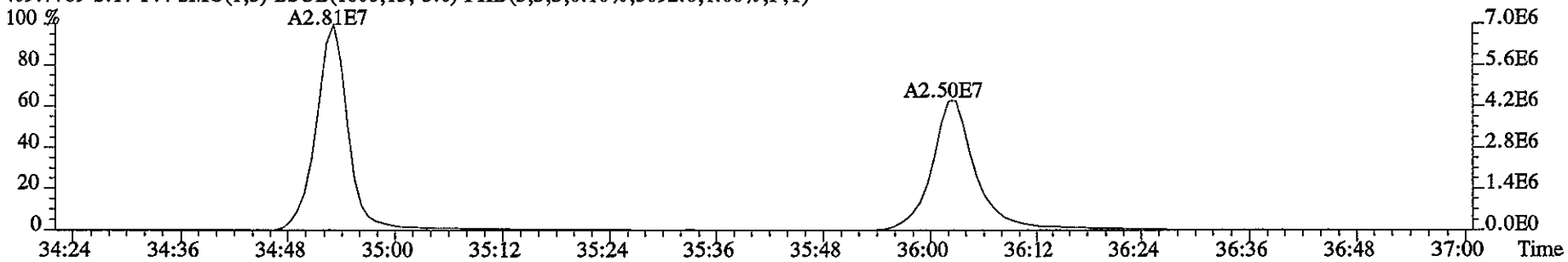


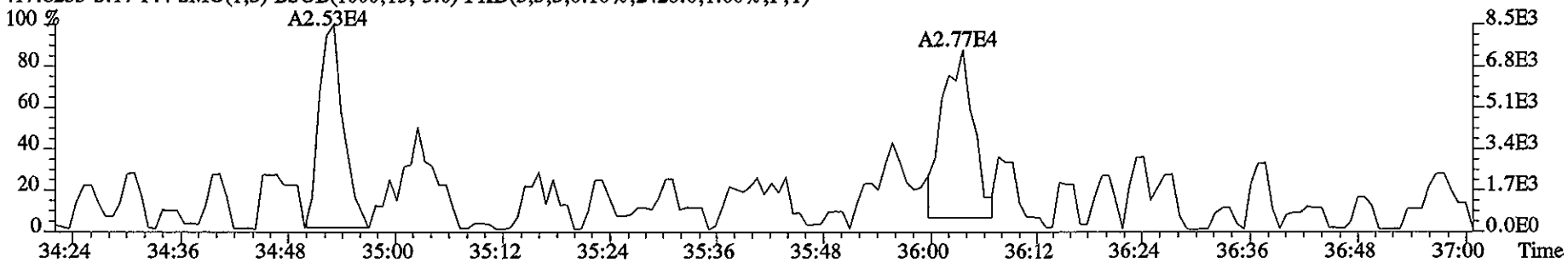
File:13SE10A4D5 #1-287 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

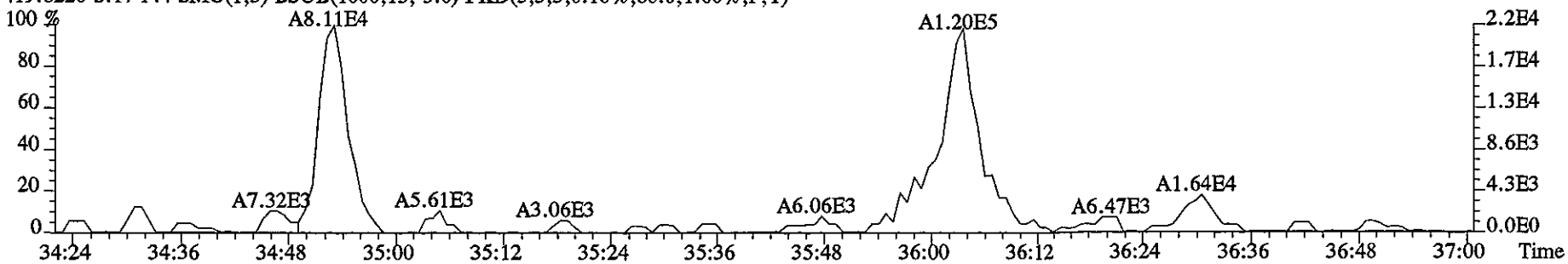


File:13SE10A4D5 #1-201 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

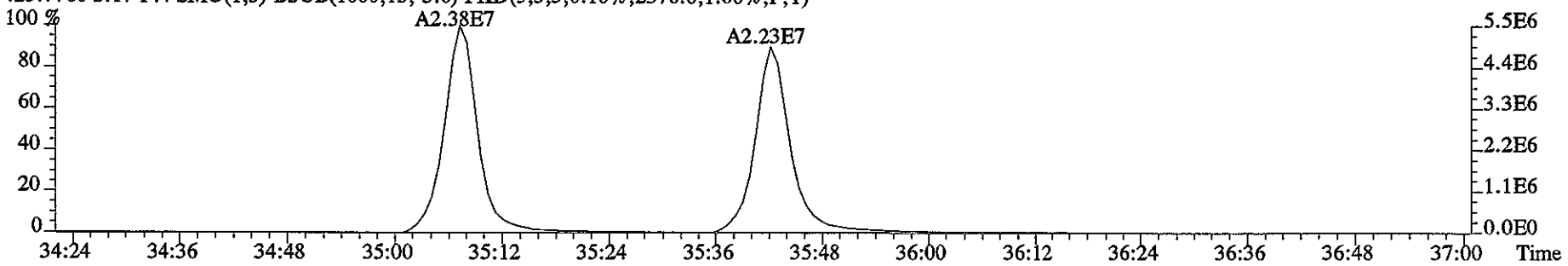


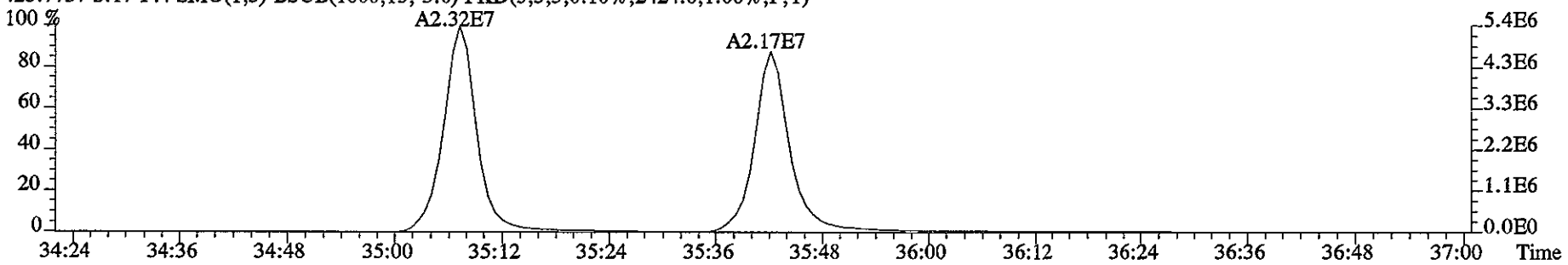


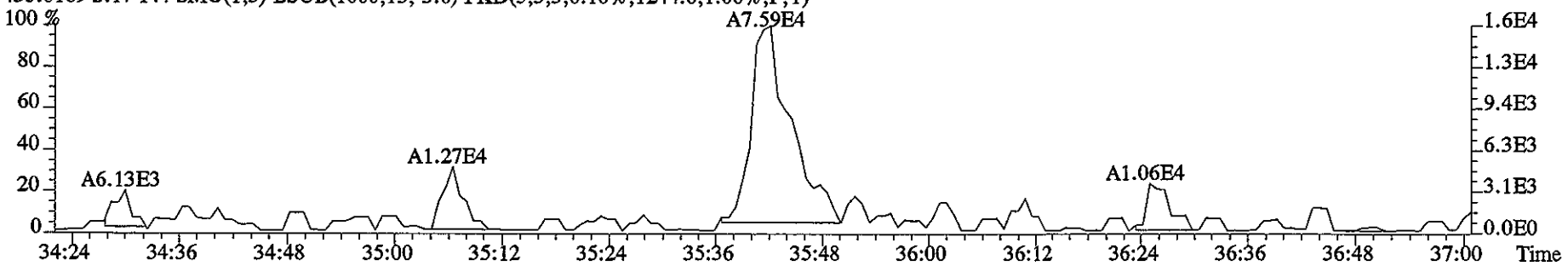


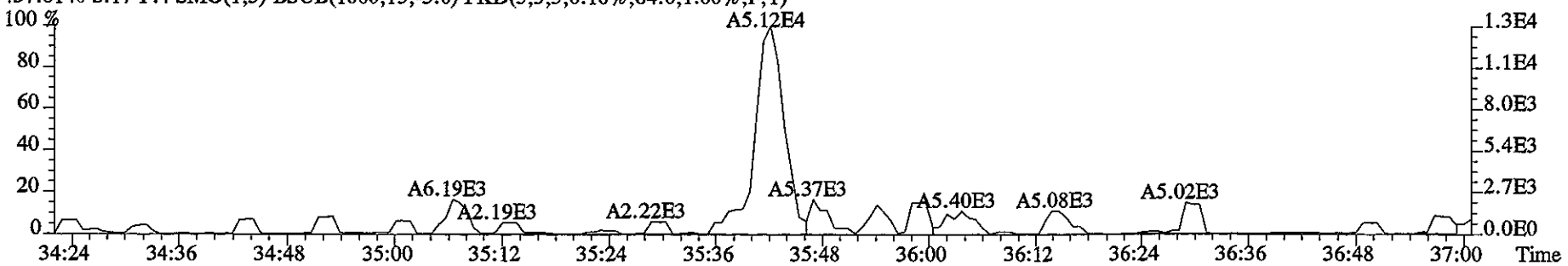


File:13SE10A4D5 #1-201 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

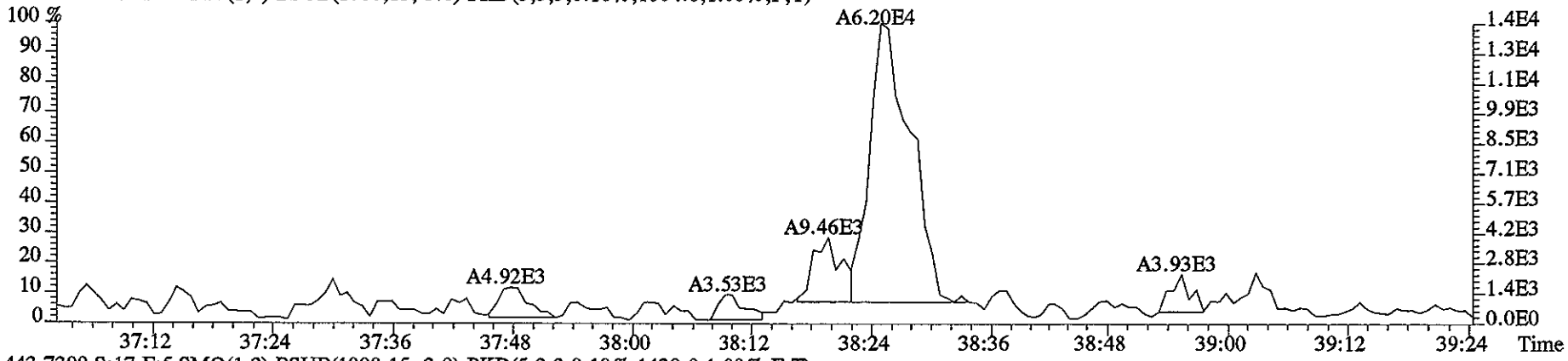




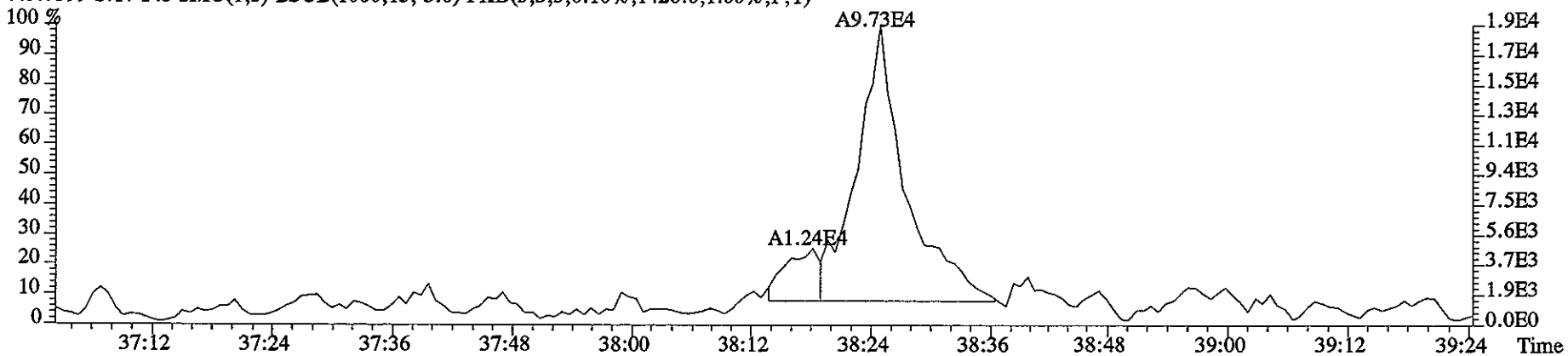




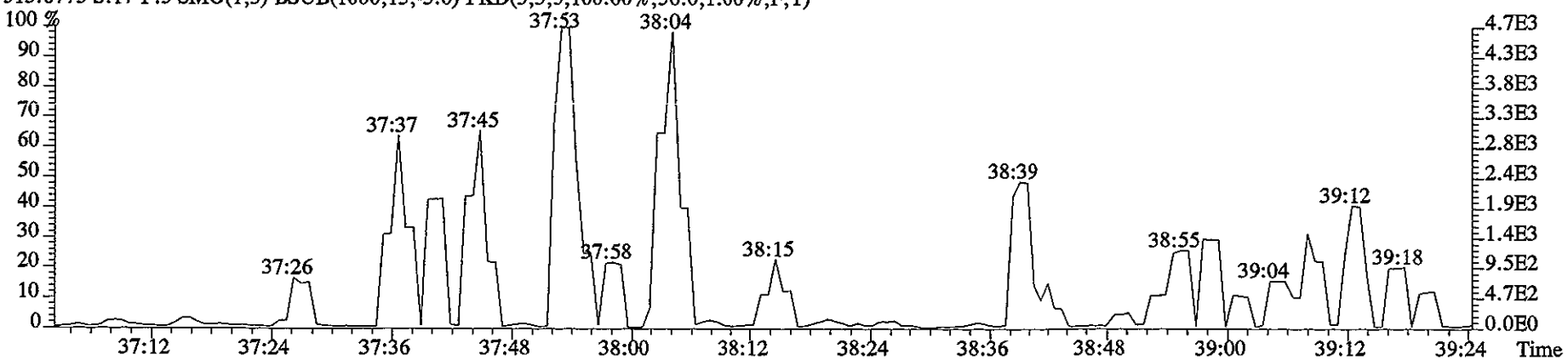
File:13SE10A4D5 #1-192 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1004.0,1.00%,F,T)



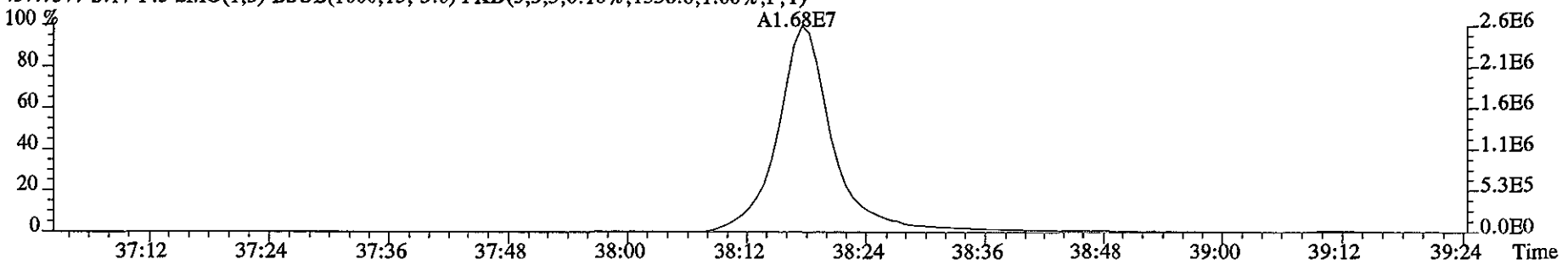
443.7399 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1420.0,1.00%,F,T)

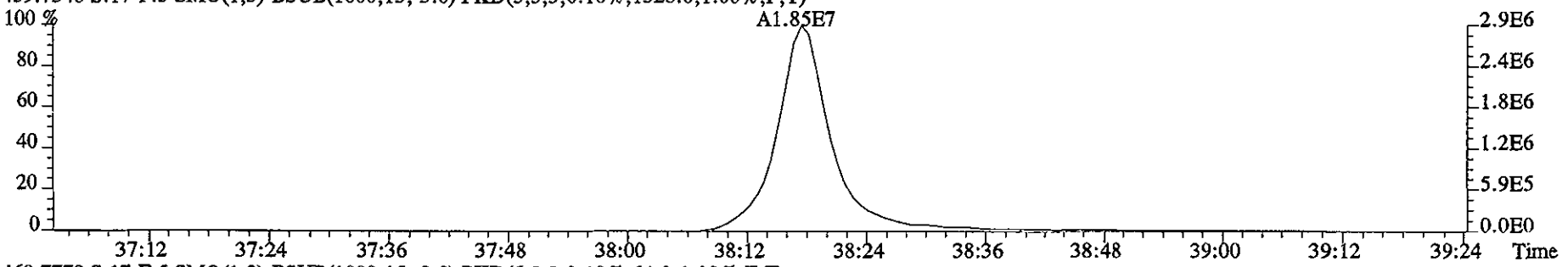


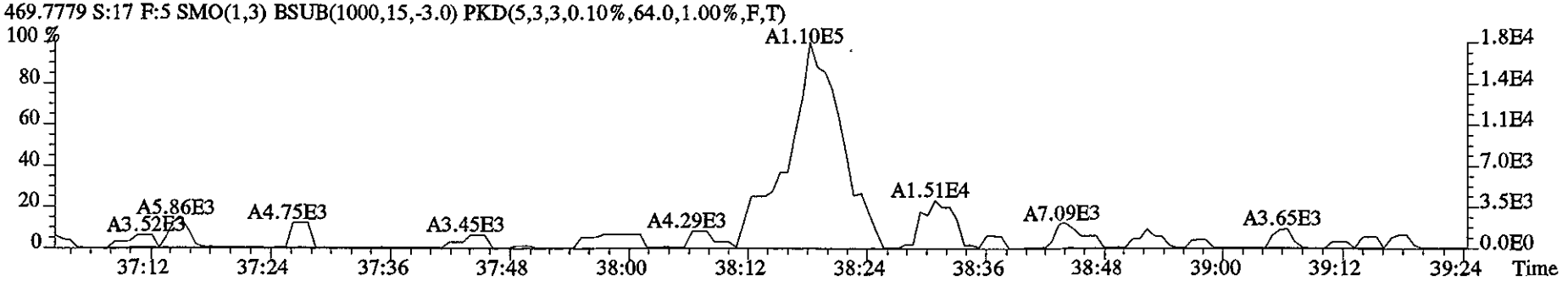
513.6775 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,56.0,1.00%,F,T)

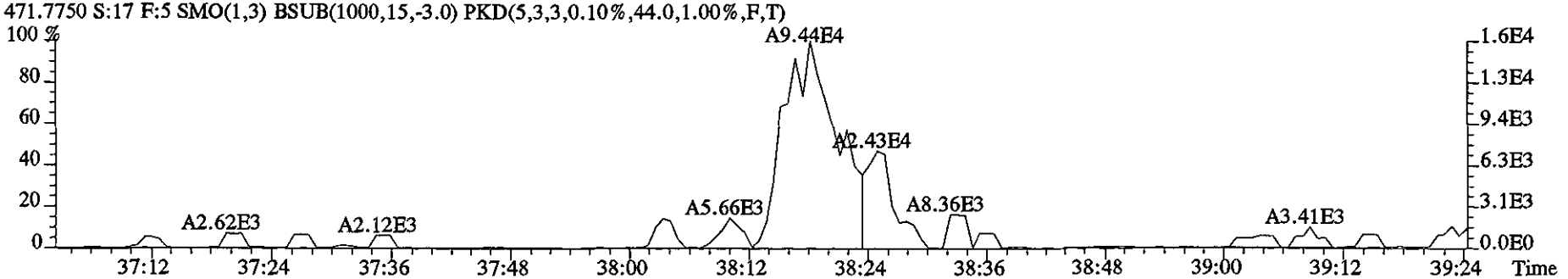


File:13SE10A4D5 #1-192 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

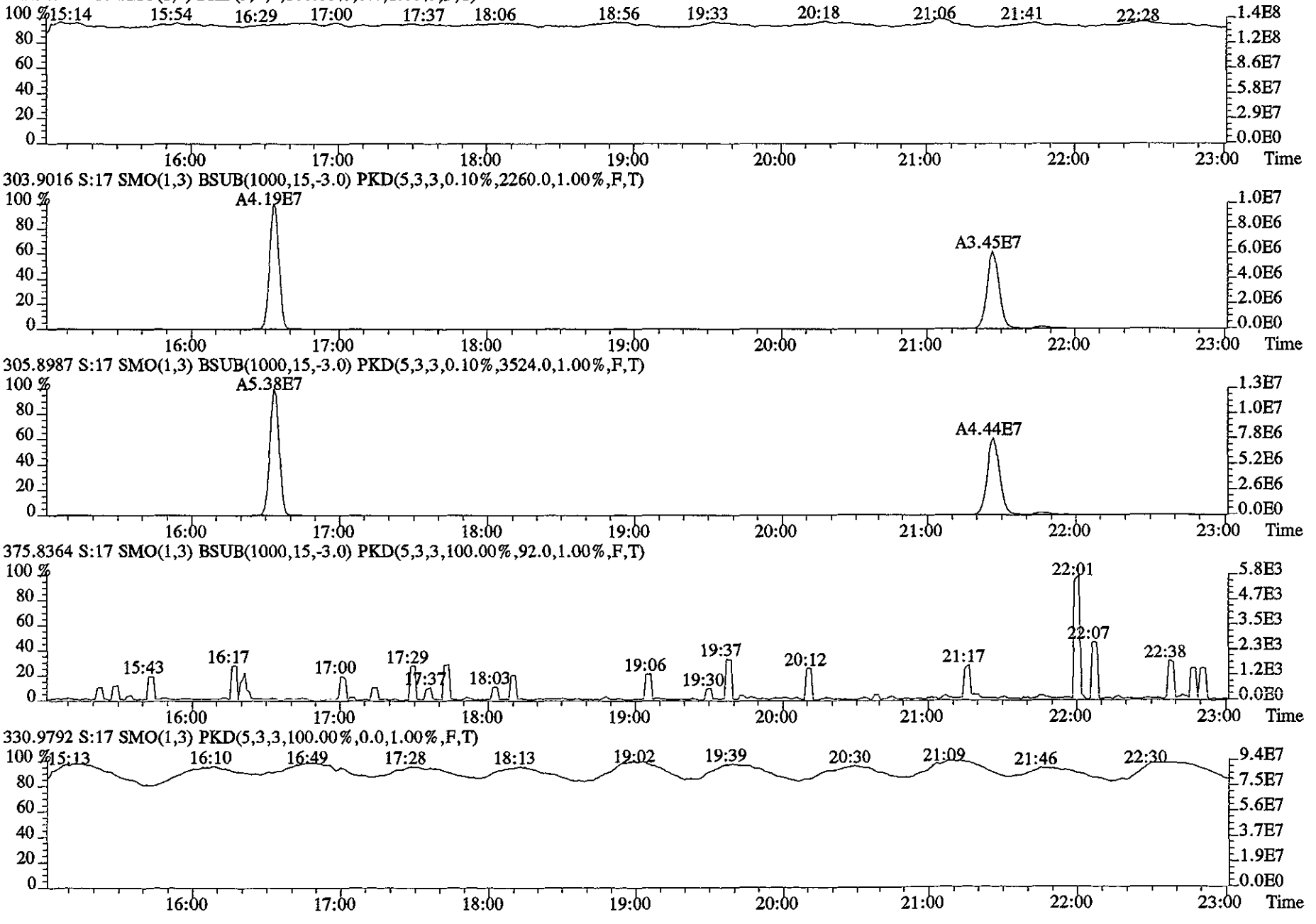






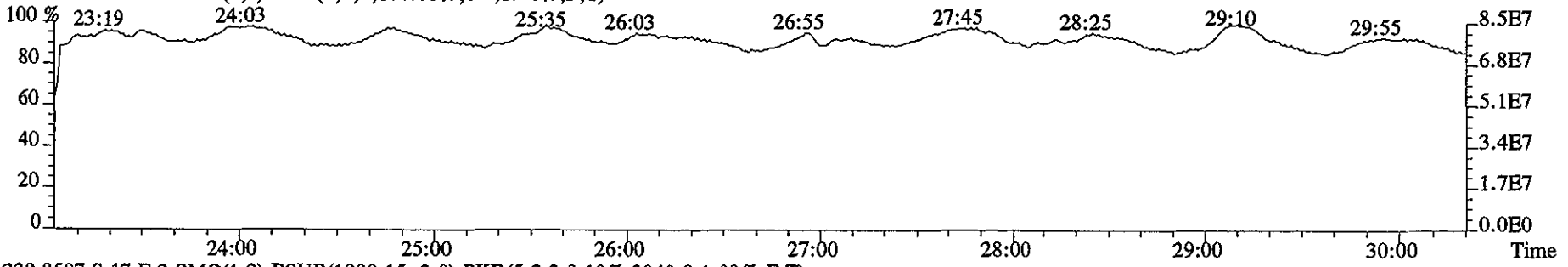


File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

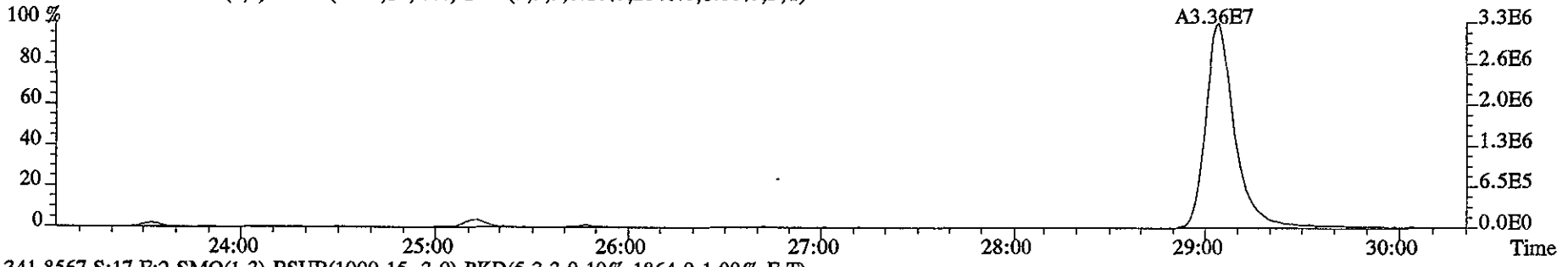


File:13SE10A4D5 #1-469 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES

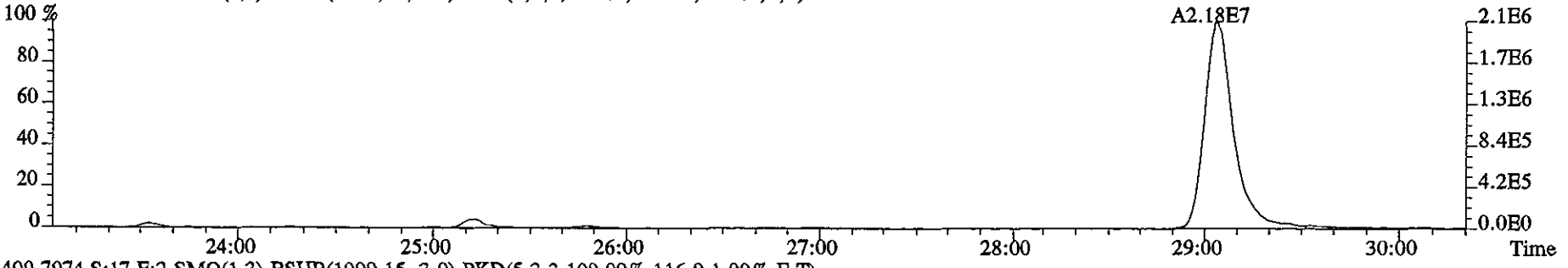
342.9792 S:17 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



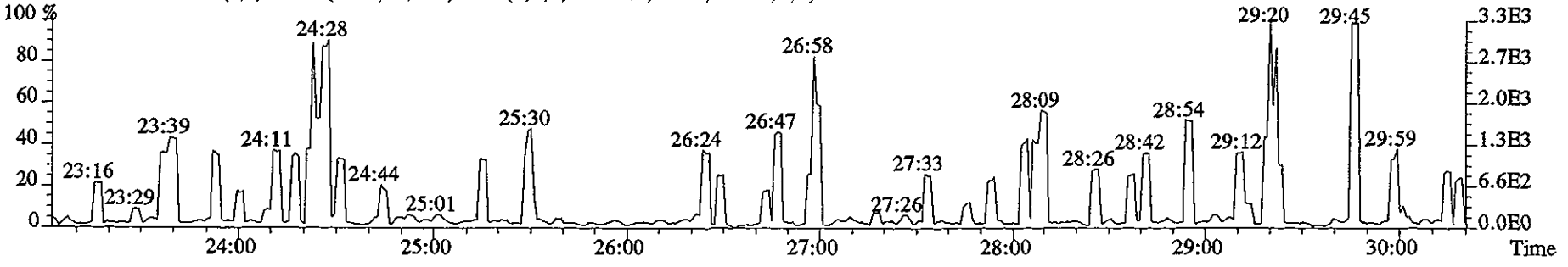
339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2040.0,1.00%,F,T)



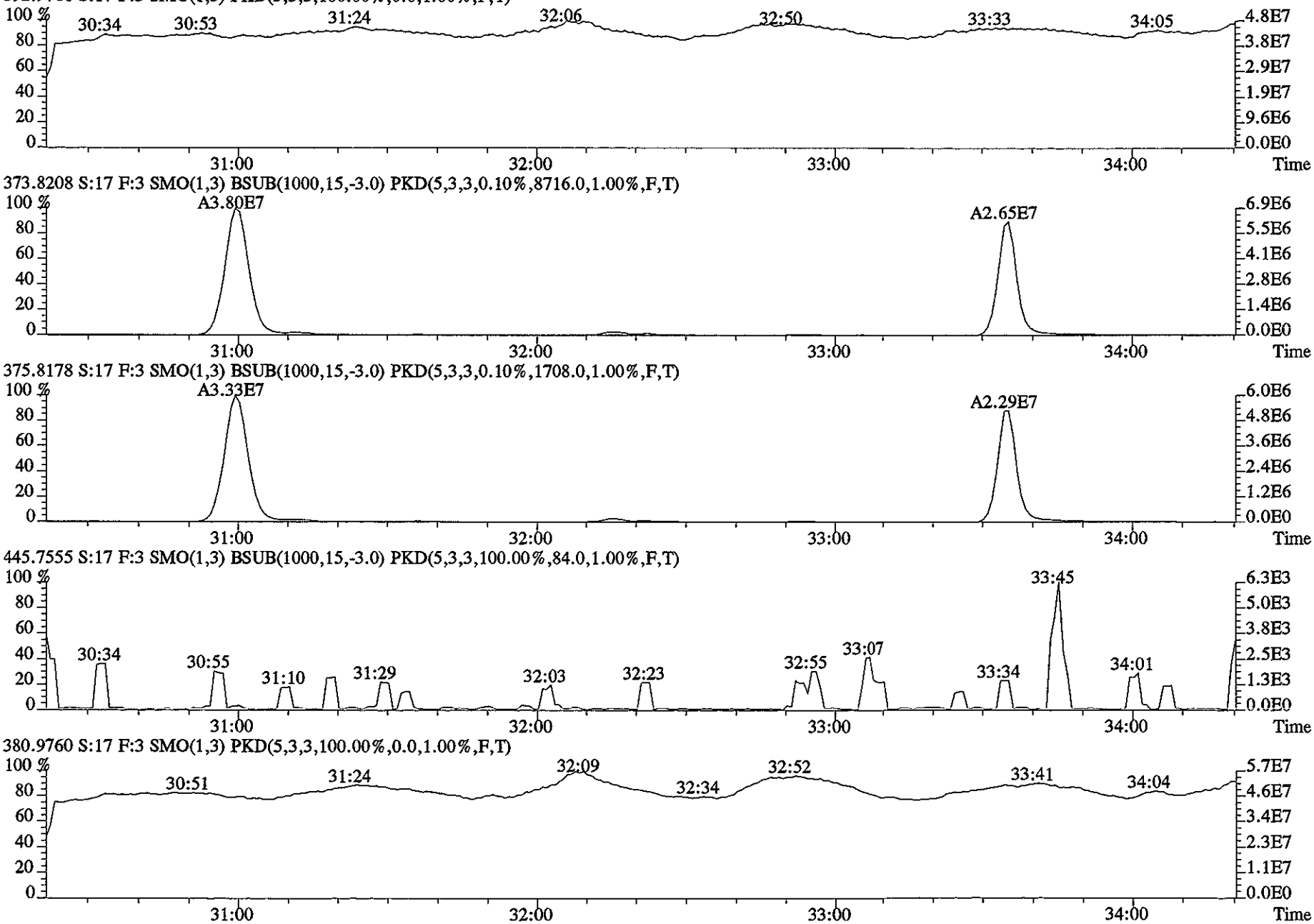
341.8567 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1864.0,1.00%,F,T)



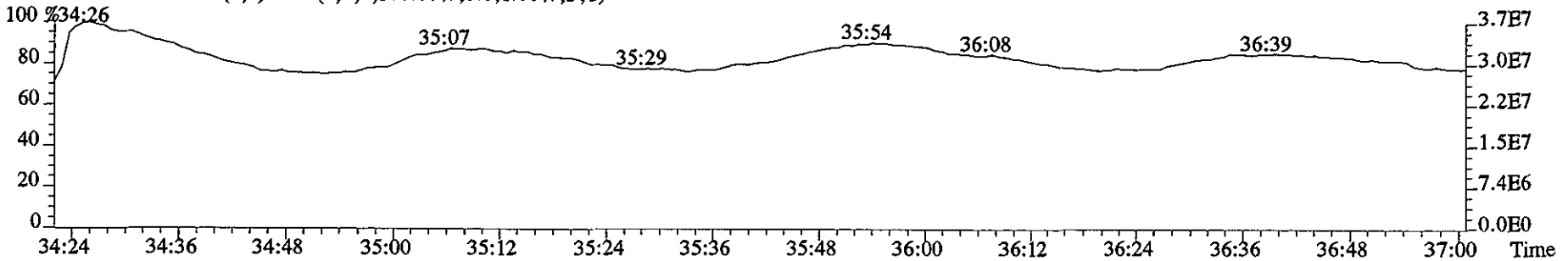
409.7974 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,116.0,1.00%,F,T)



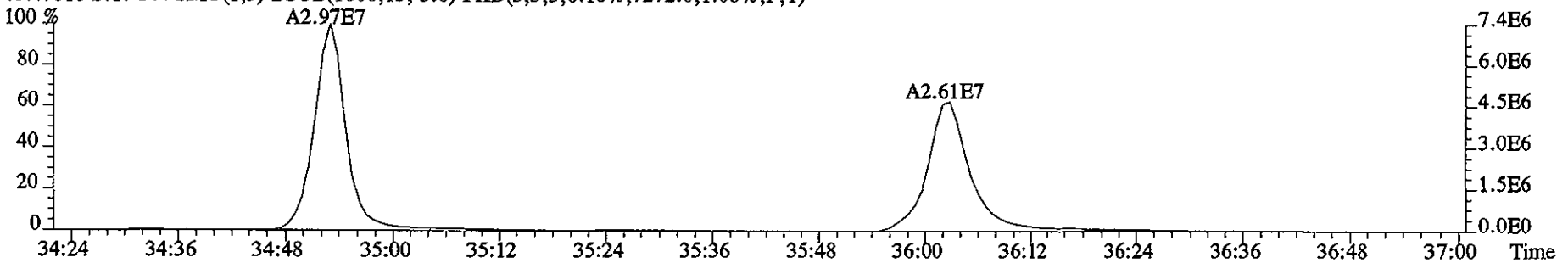
File:13SE10A4D5 #1-287 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES



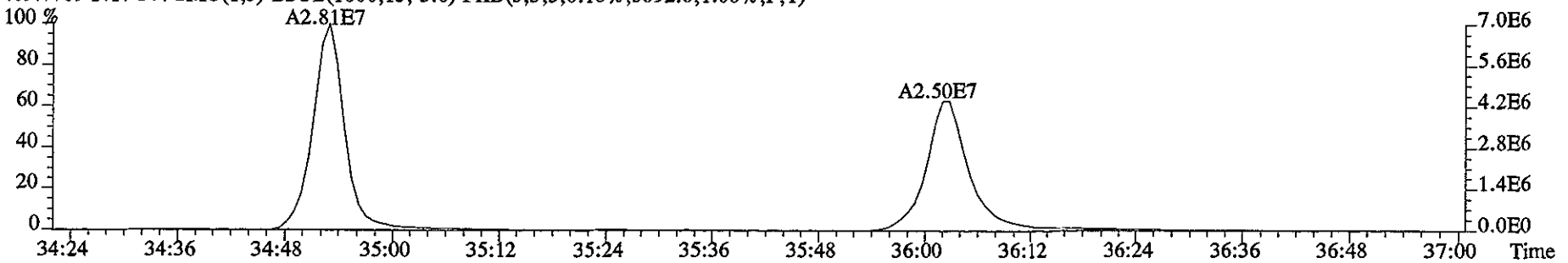
File:13SE10A4D5 #1-201 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES
430.9728 S:17 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



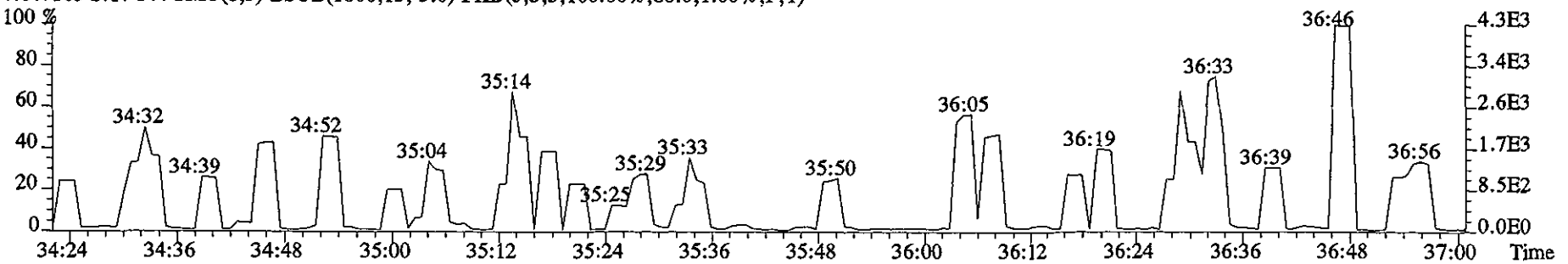
407.7818 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7272.0,1.00%,F,T)



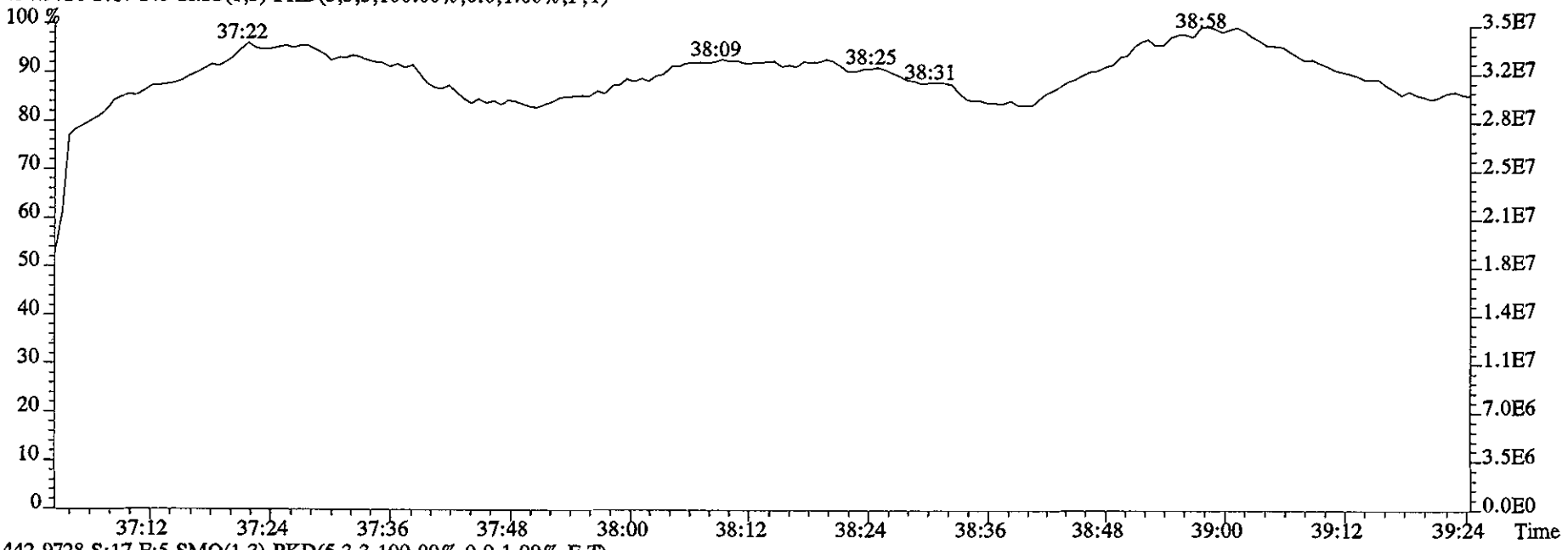
409.7789 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5092.0,1.00%,F,T)



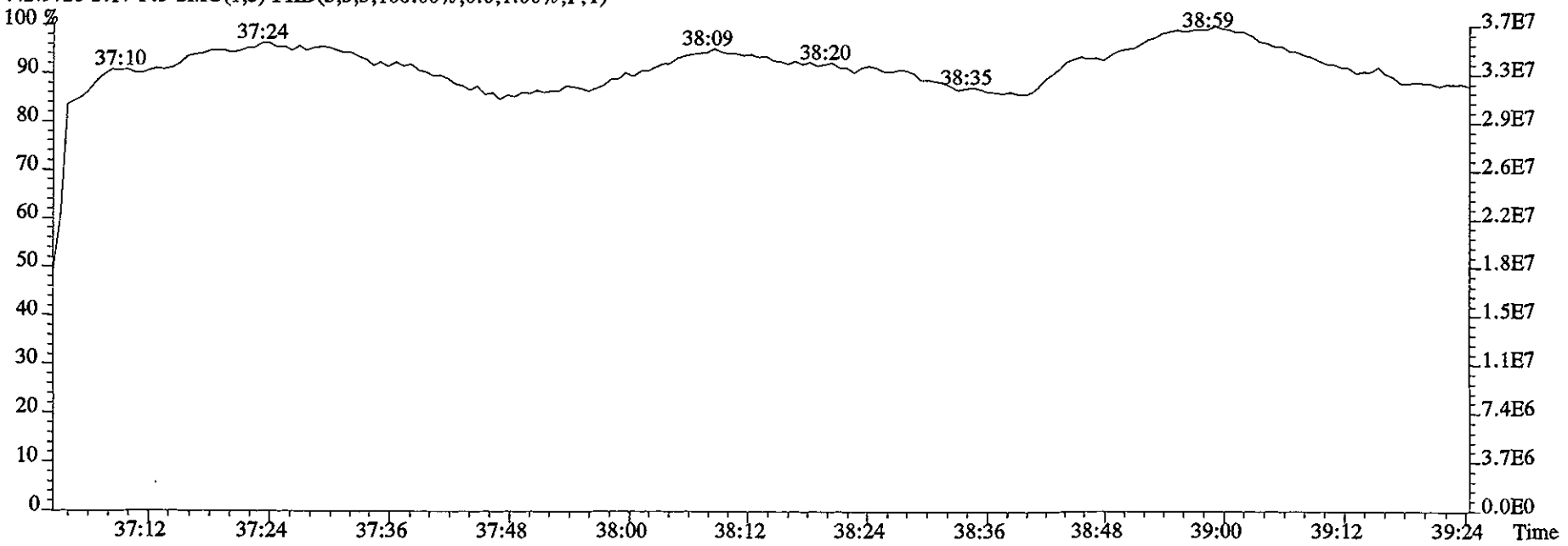
479.7165 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)



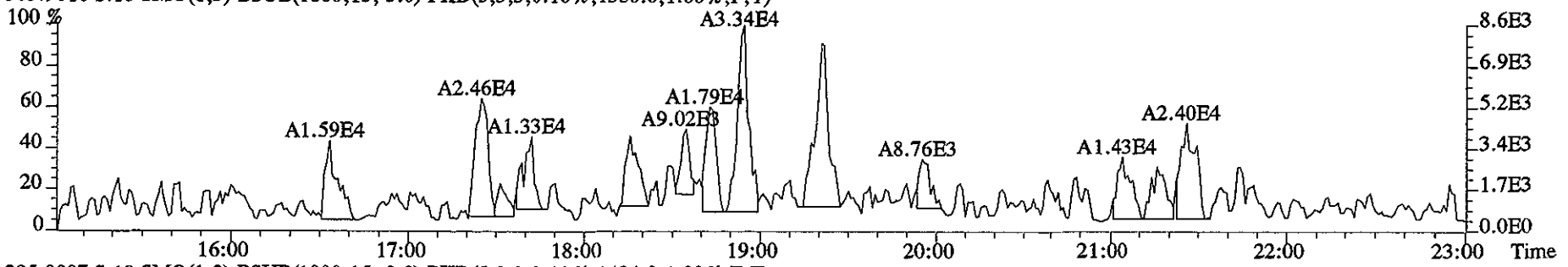
File:13SE10A4D5 #1-192 Acq:13-SEP-2010 23:06:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:CP0913A :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 S:17 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

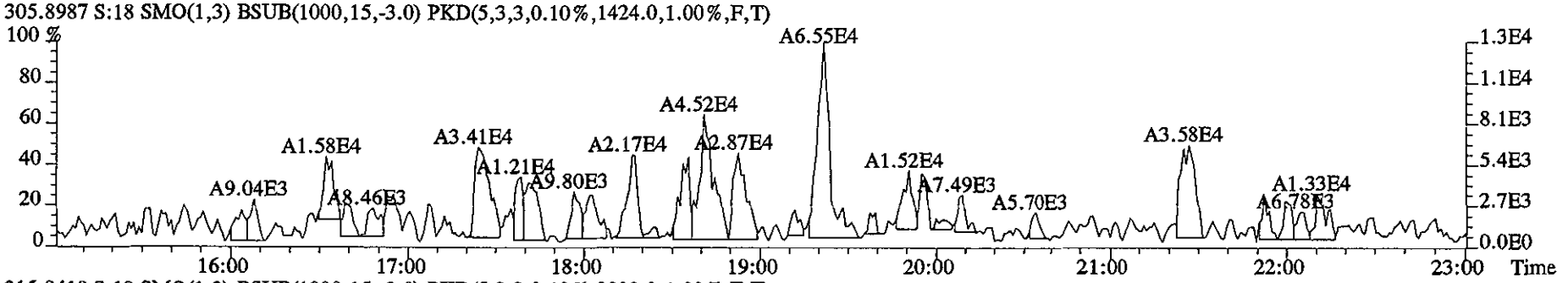


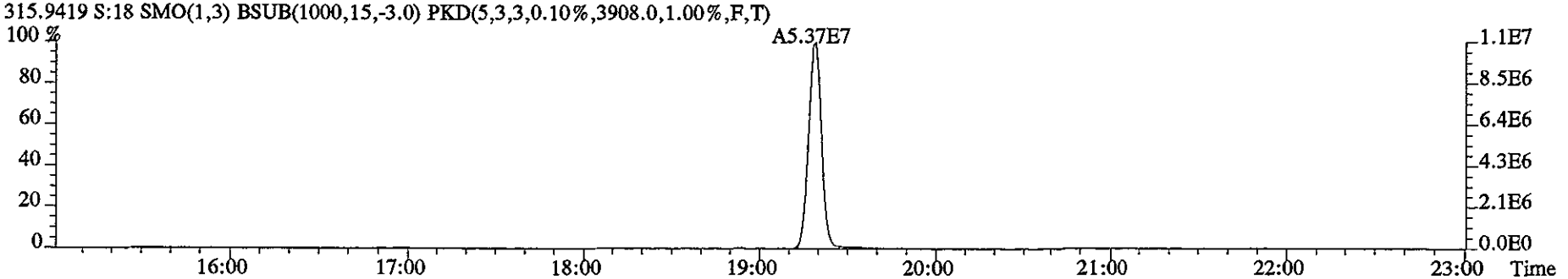
442.9728 S:17 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

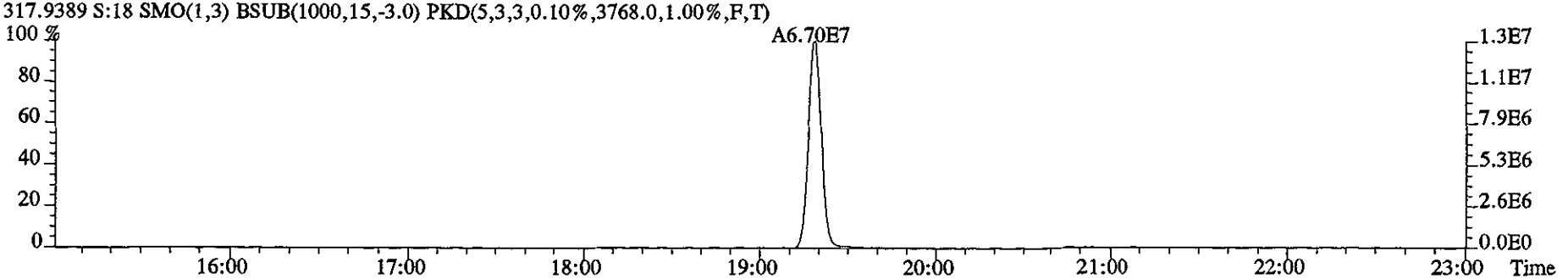


File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES

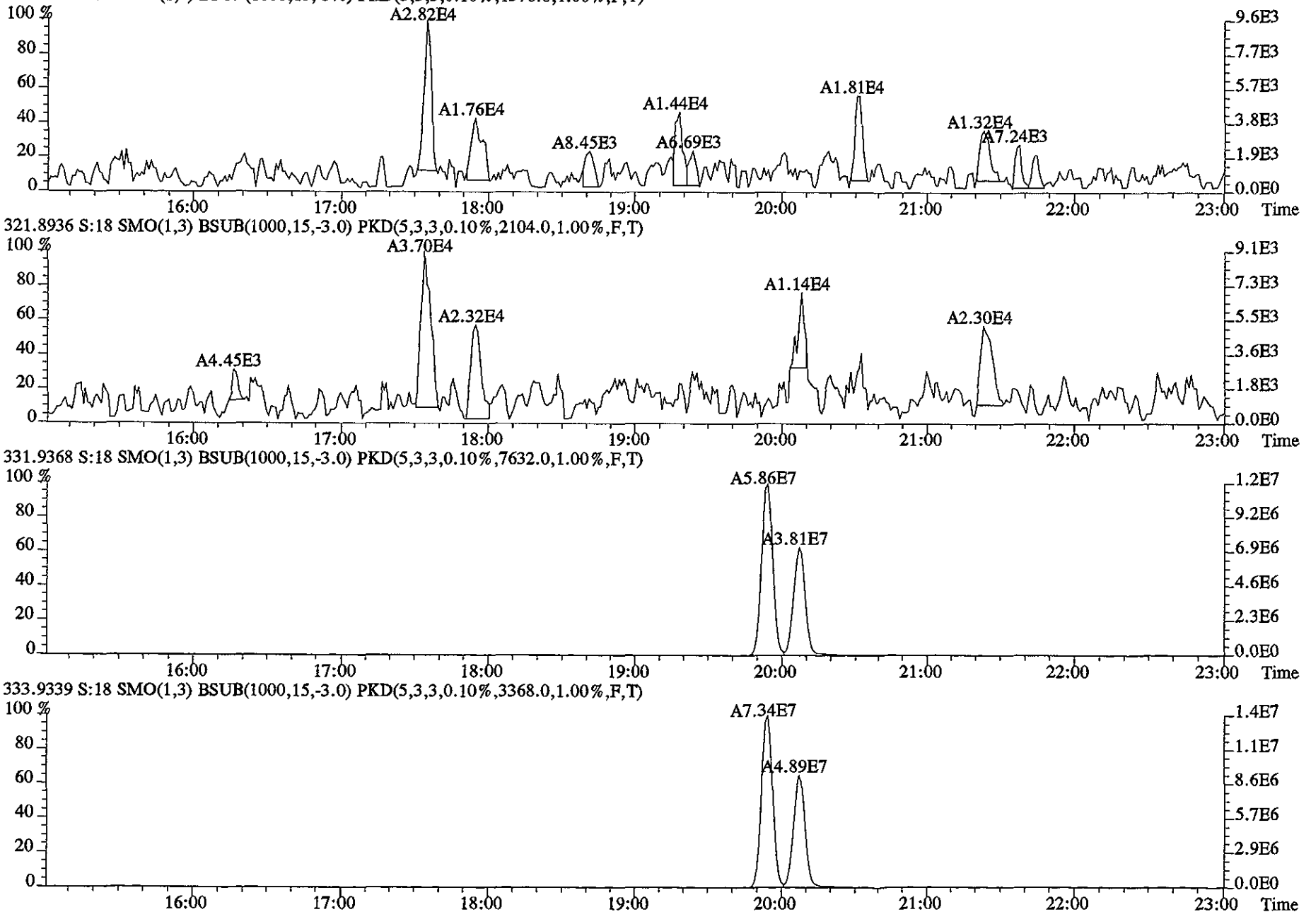




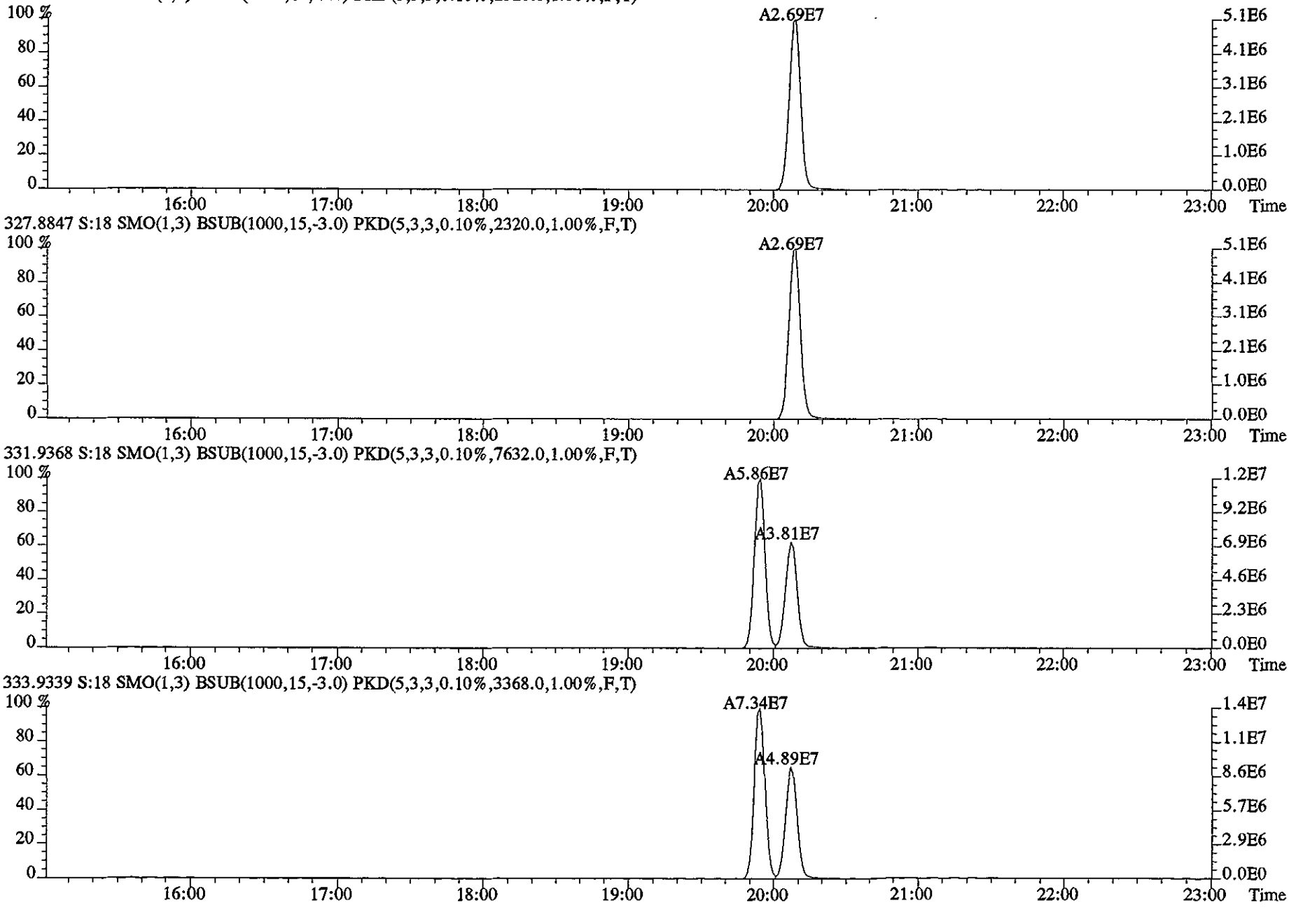




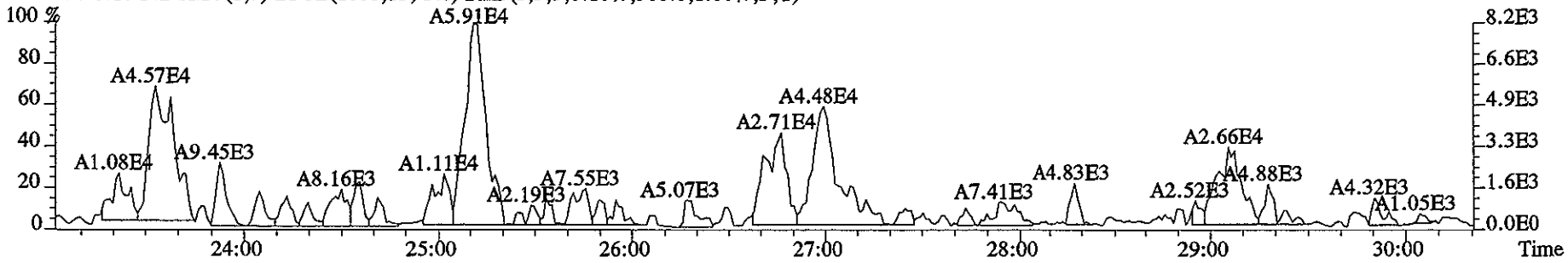
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES



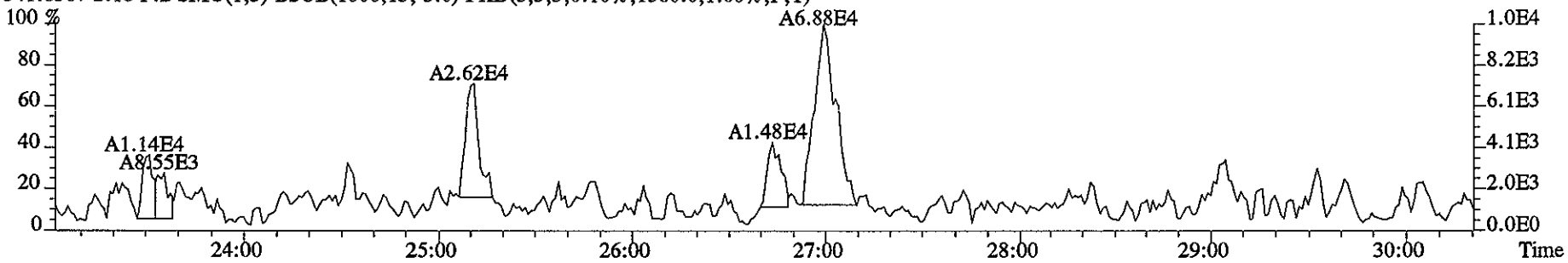
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES



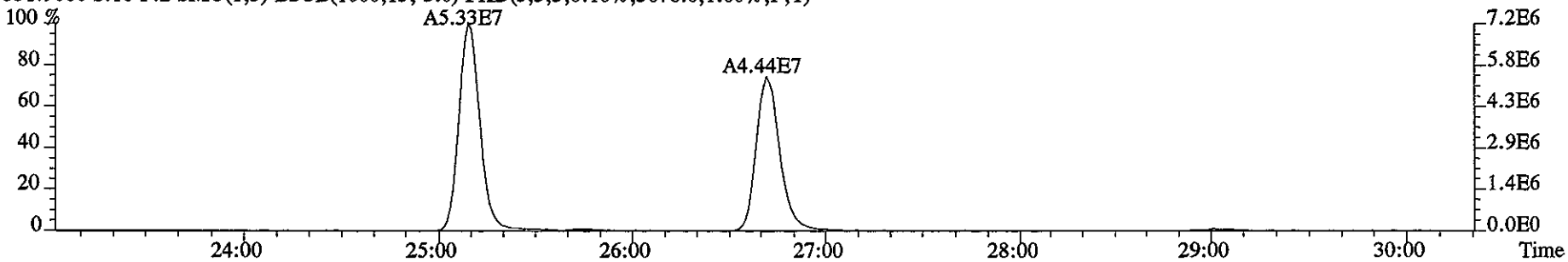
File:13SE10A4D5 #1-470 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,388.0,1.00%,F,T)



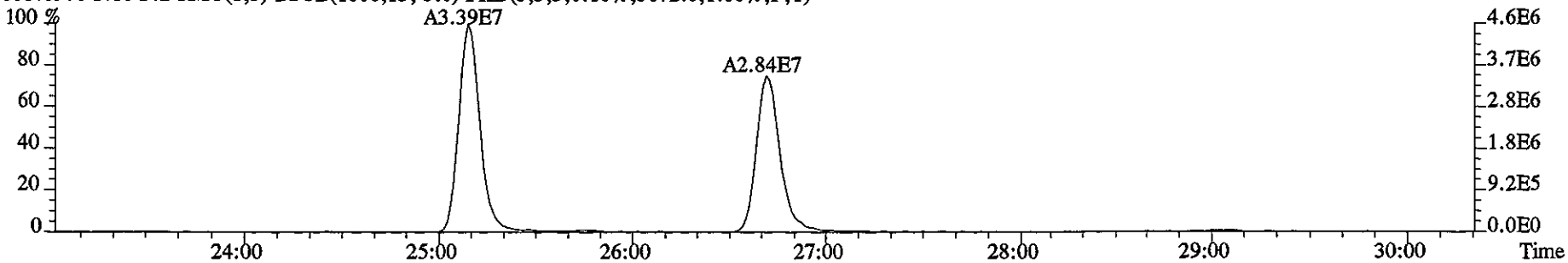
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1560.0,1.00%,F,T)



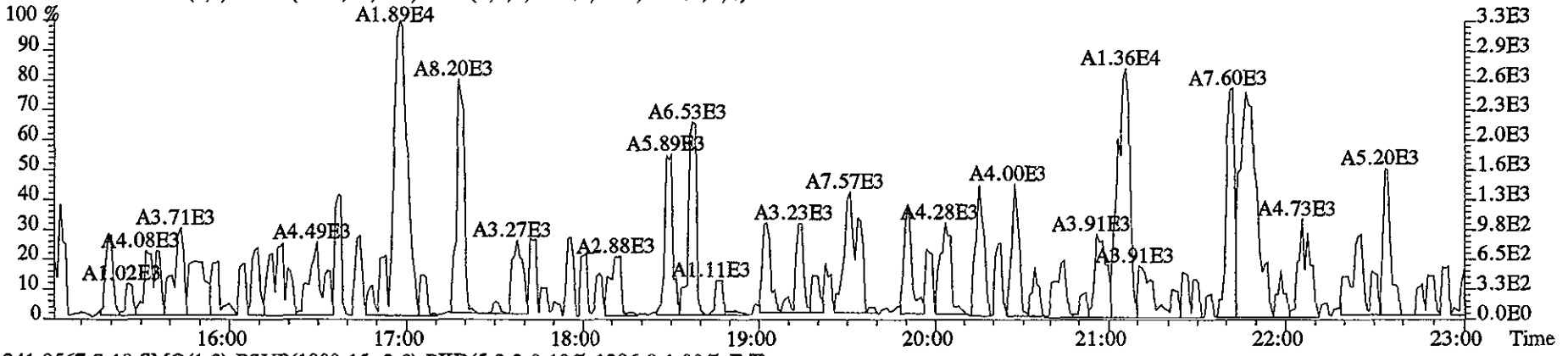
351.9000 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3676.0,1.00%,F,T)



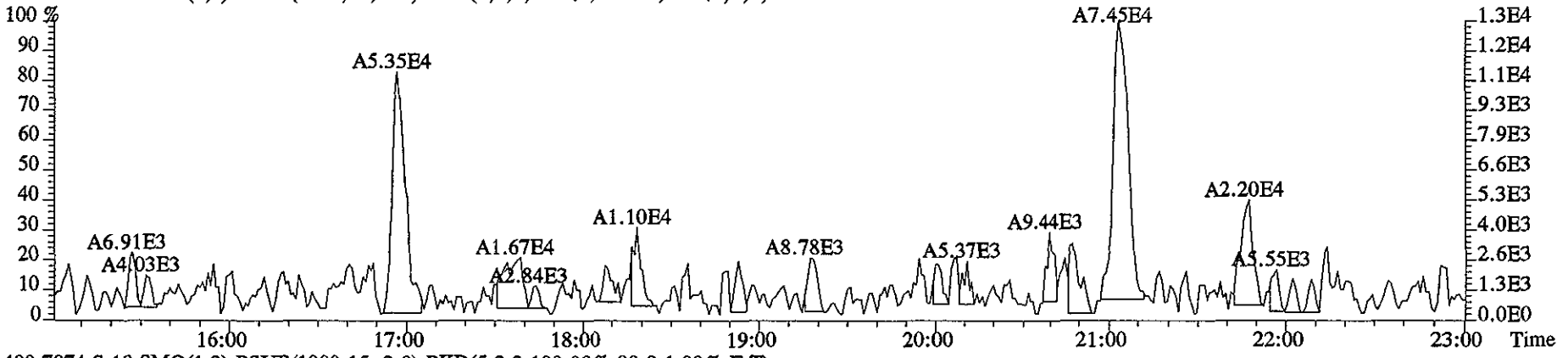
353.8970 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5672.0,1.00%,F,T)



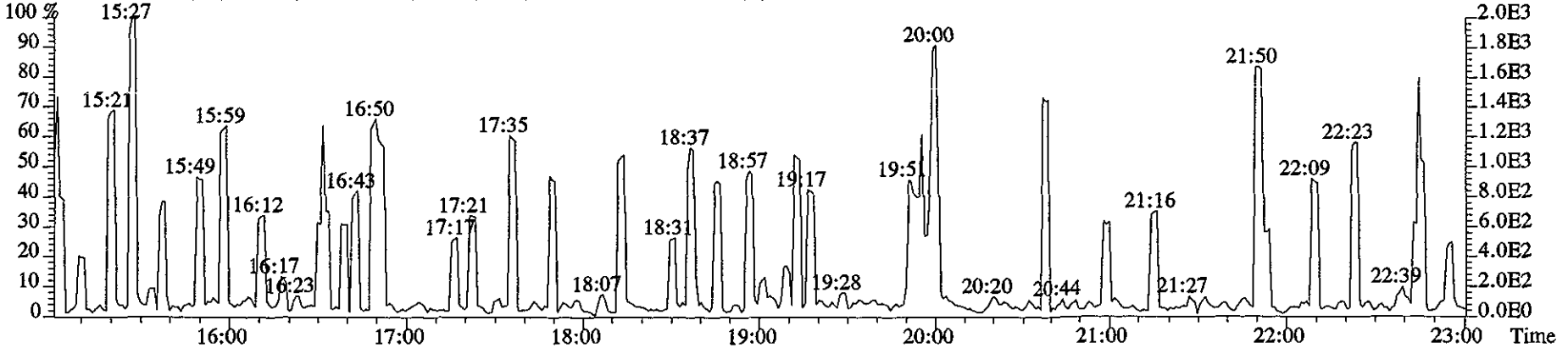
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
339.8597 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



341.8567 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)

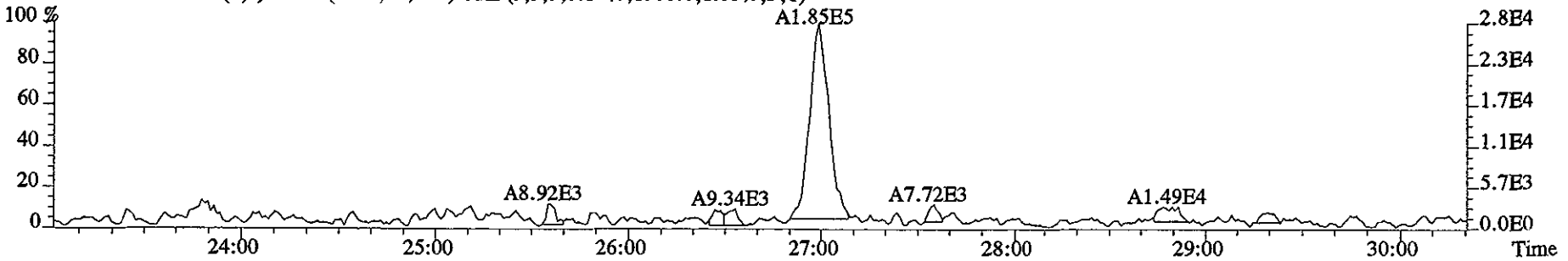


409.7974 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,88.0,1.00%,F,T)

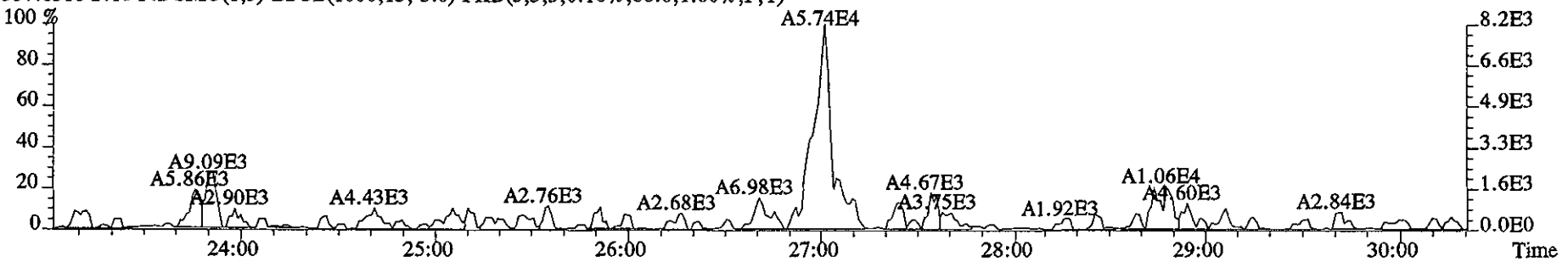


File:13SE10A4D5 #1-470 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES

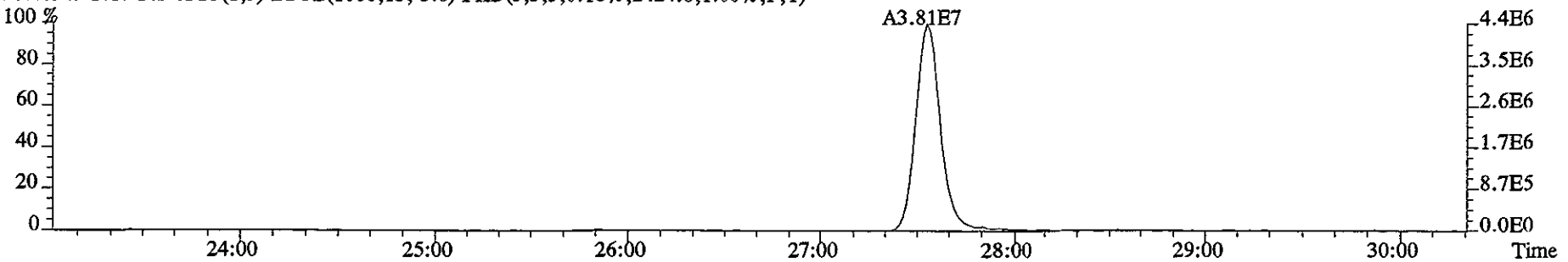
355.8546 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T)



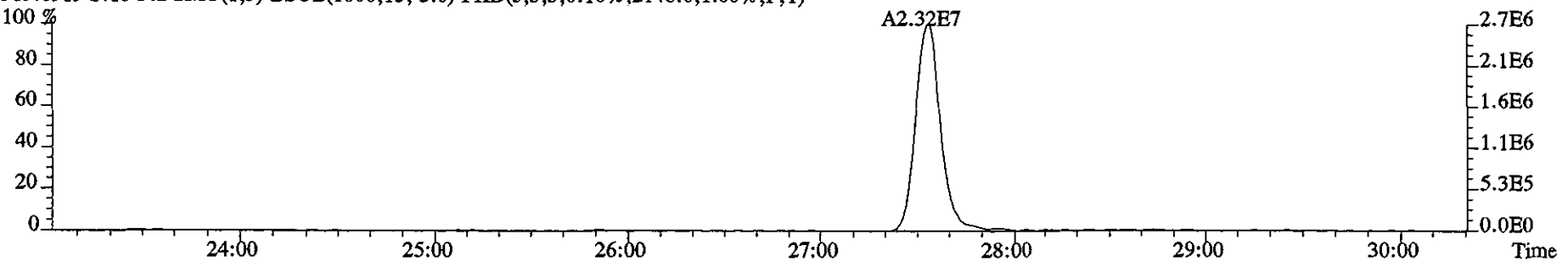
357.8516 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



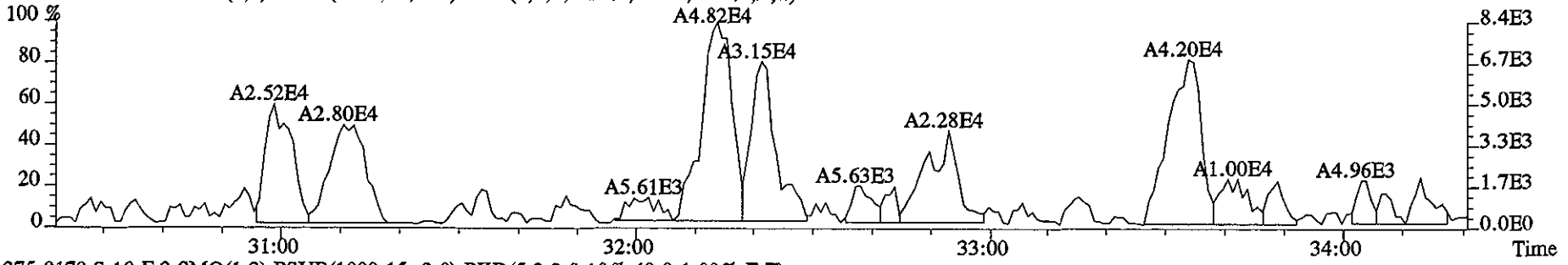
367.8949 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)



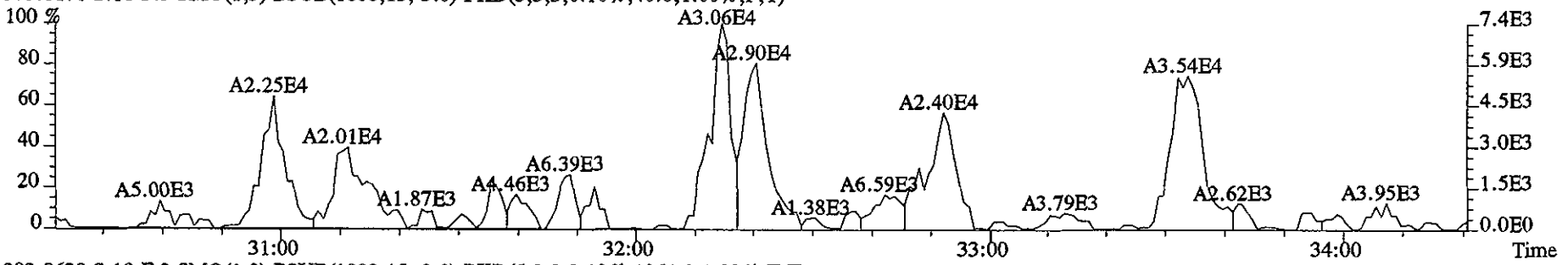
369.8919 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2148.0,1.00%,F,T)



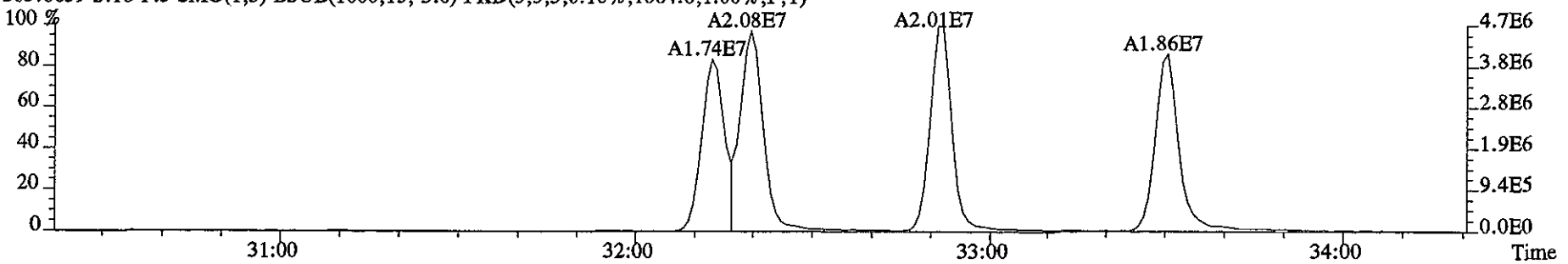
File:13SE10A4D5 #1-287 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
373.8208 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,820.0,1.00%,F,T)



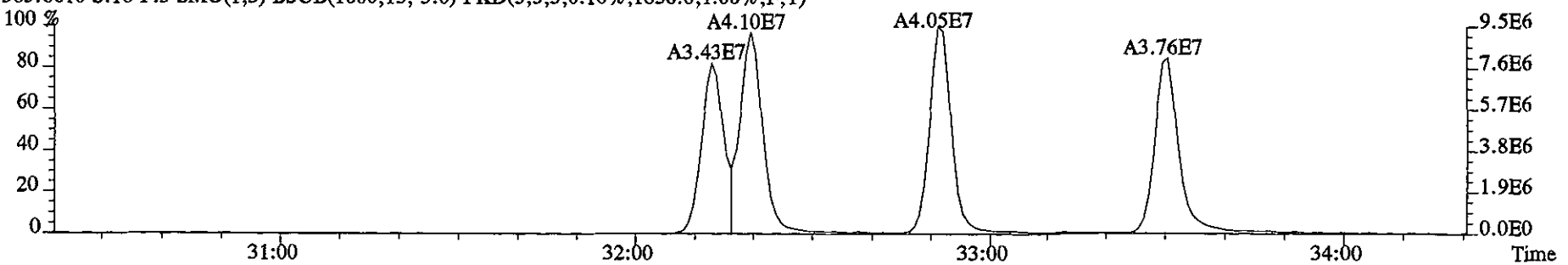
375.8178 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40.0,1.00%,F,T)



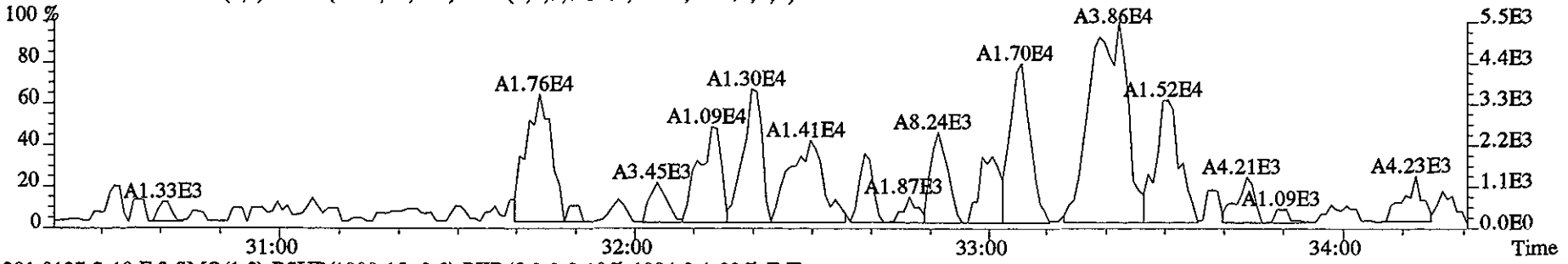
383.8639 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)



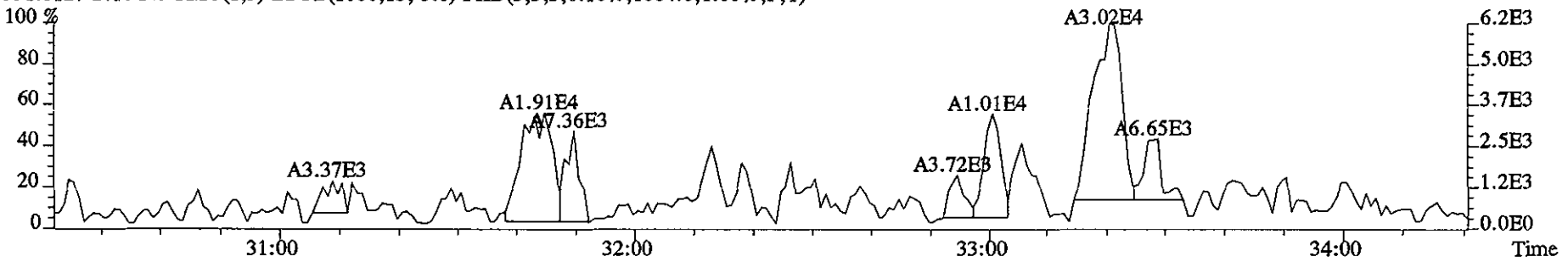
385.8610 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1856.0,1.00%,F,T)



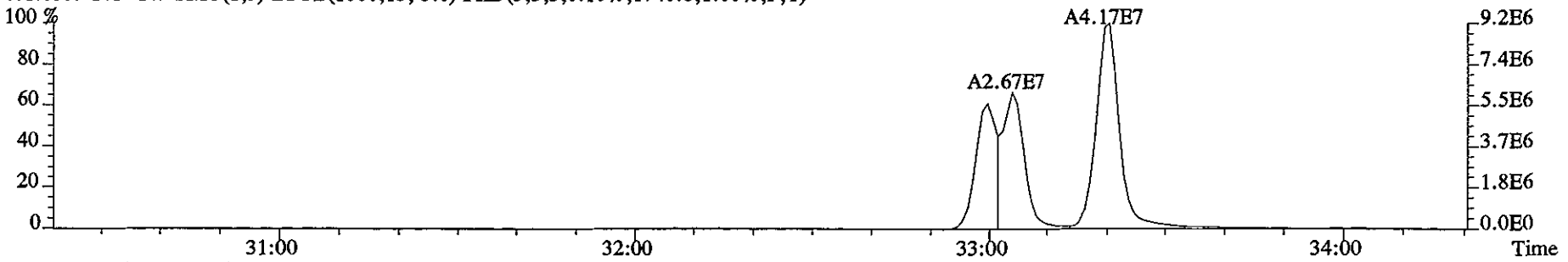
File:13SE10A4D5 #1-287 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
389.8157 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,516.0,1.00%,F,T)



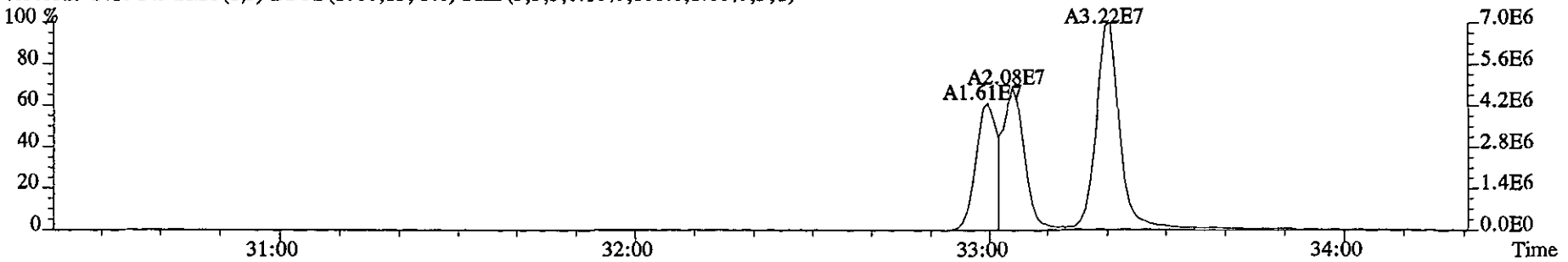
391.8127 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)



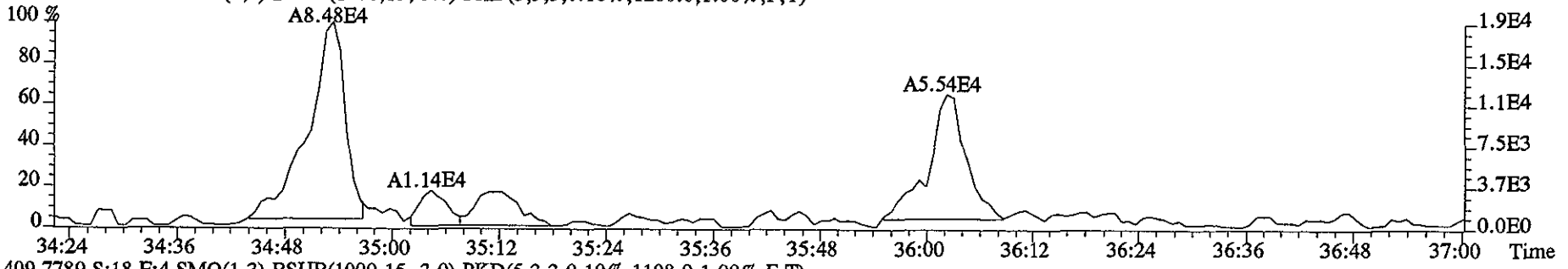
401.8559 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740.0,1.00%,F,T)



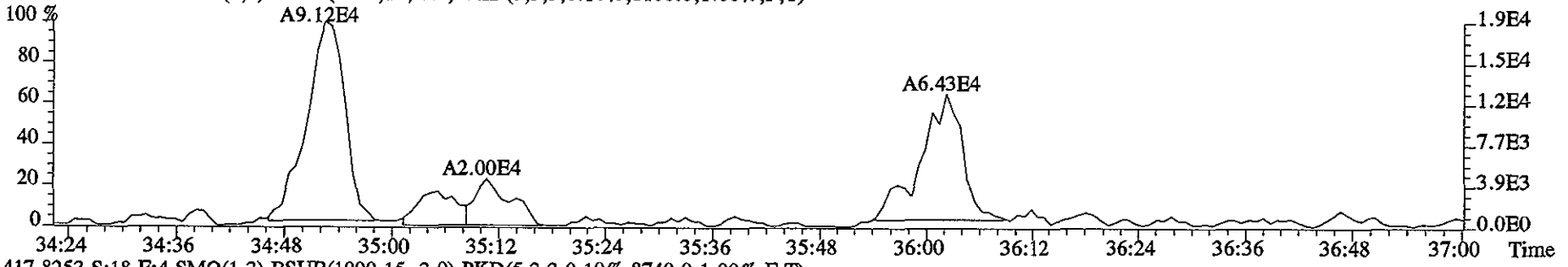
403.8529 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,100.0,1.00%,F,T)



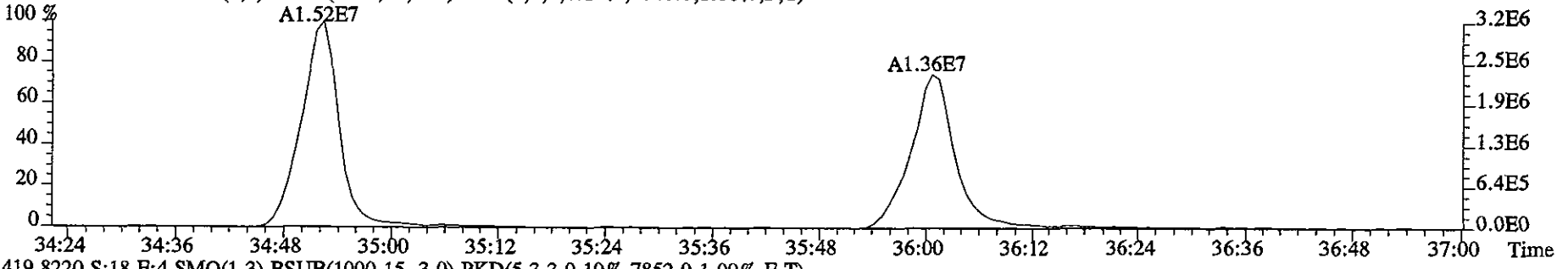
File:13SE10A4D5 #1-200 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
407.7818 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1280.0,1.00%,F,T)



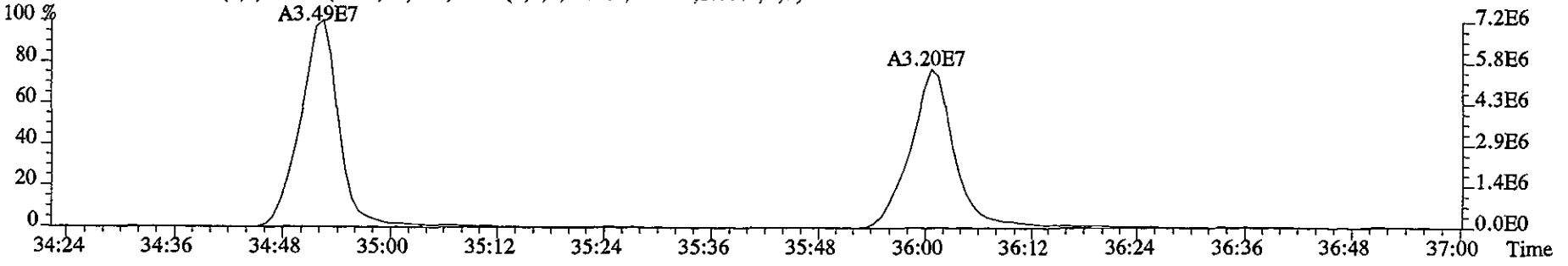
409.7789 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1108.0,1.00%,F,T)



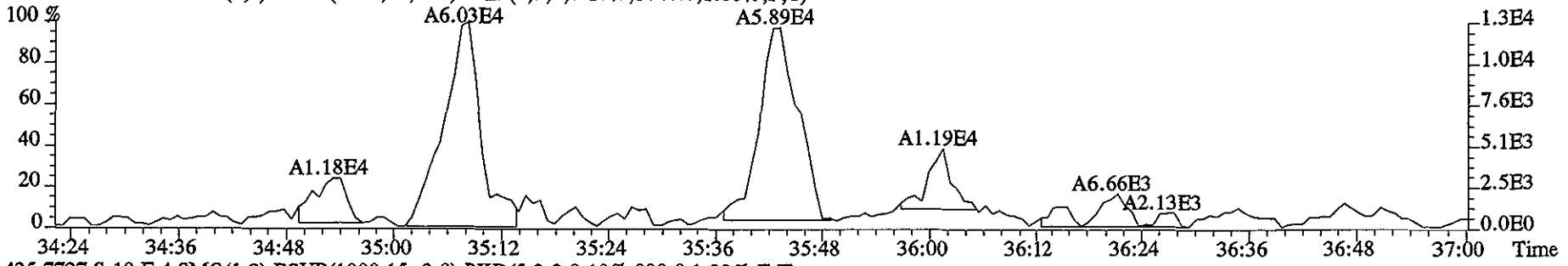
417.8253 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8740.0,1.00%,F,T)

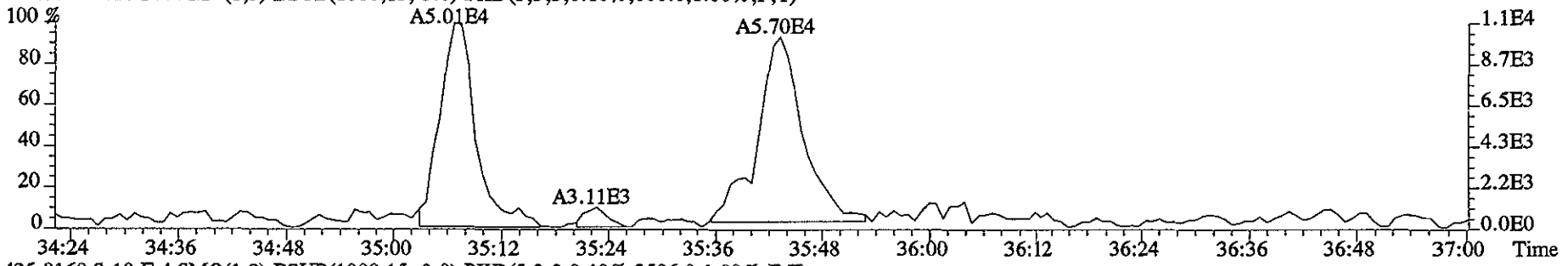


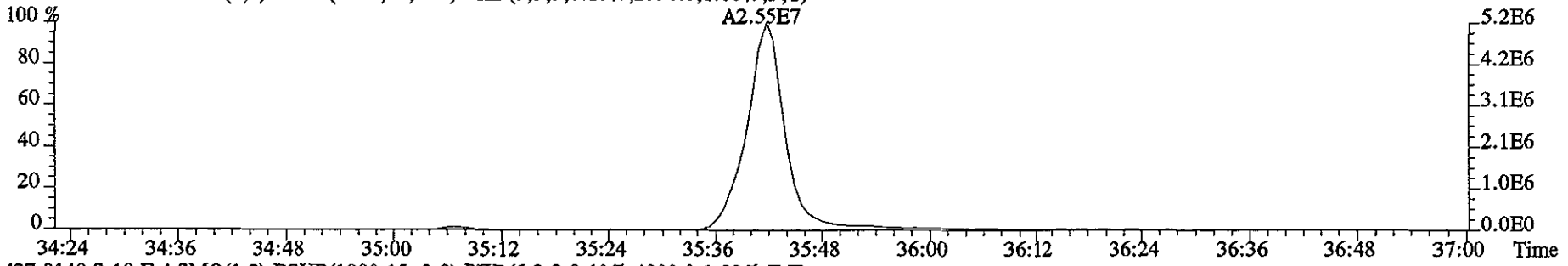
419.8220 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7852.0,1.00%,F,T)

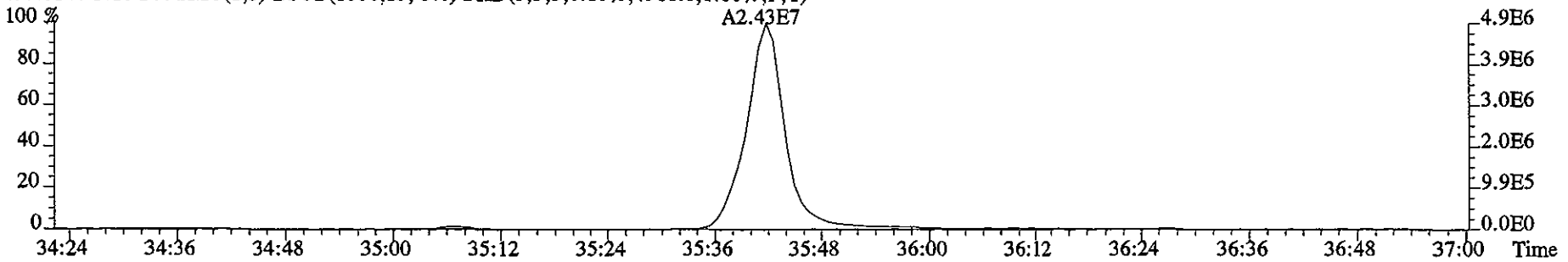


File:13SE10A4D5 #1-200 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES

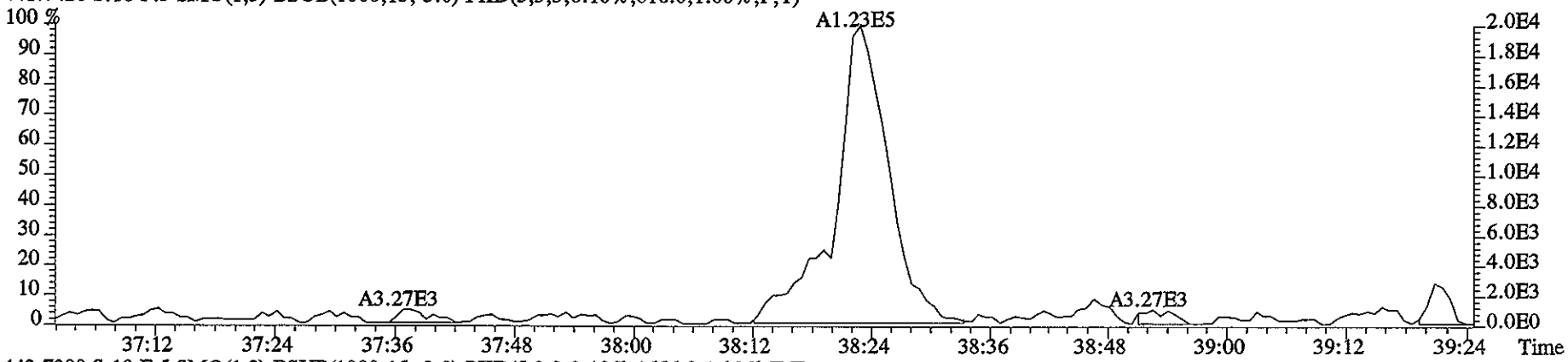




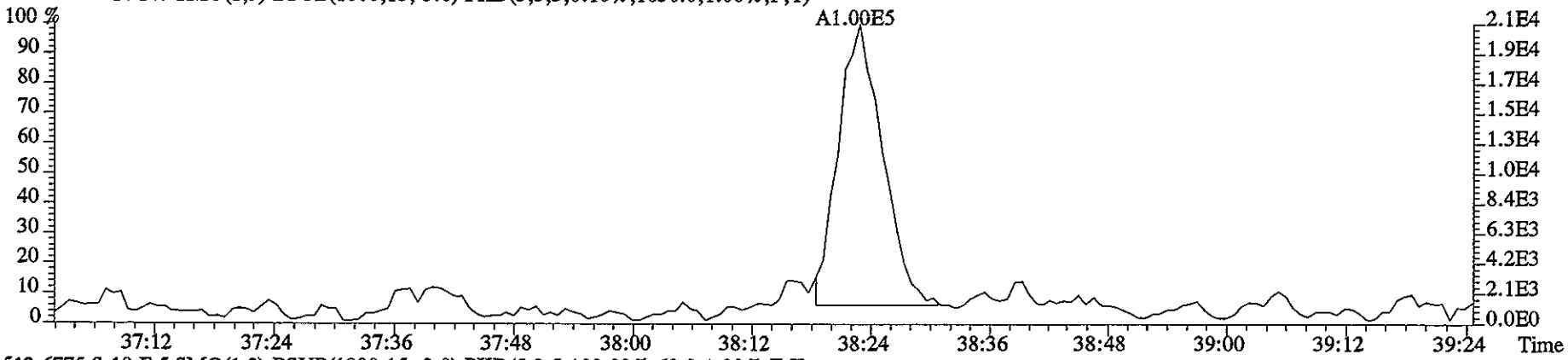




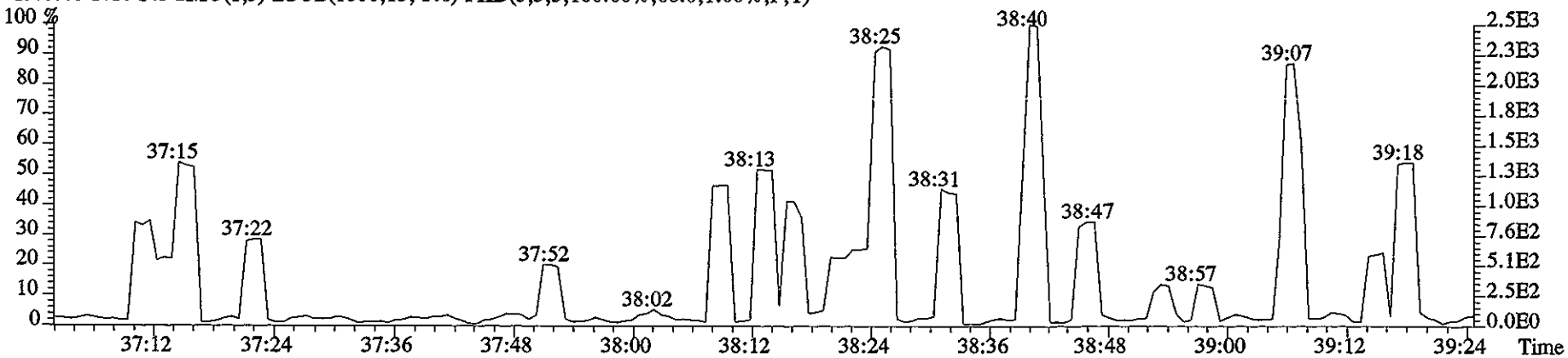
File:13SE10A4D5 #1-193 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
441.7428 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,816.0,1.00%,F,T)



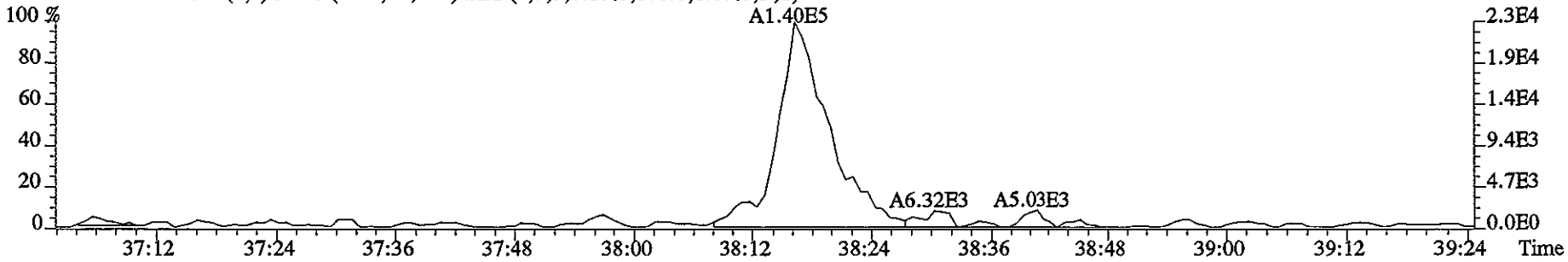
443.7399 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1656.0,1.00%,F,T)



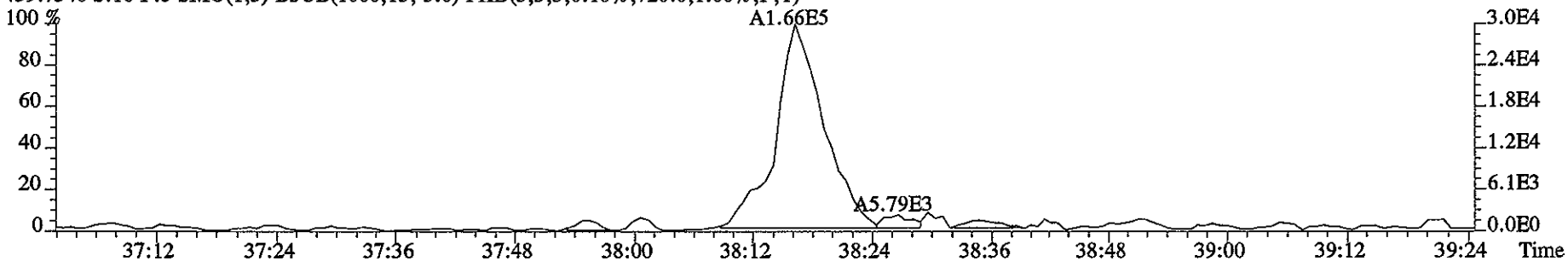
513.6775 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,68.0,1.00%,F,T)



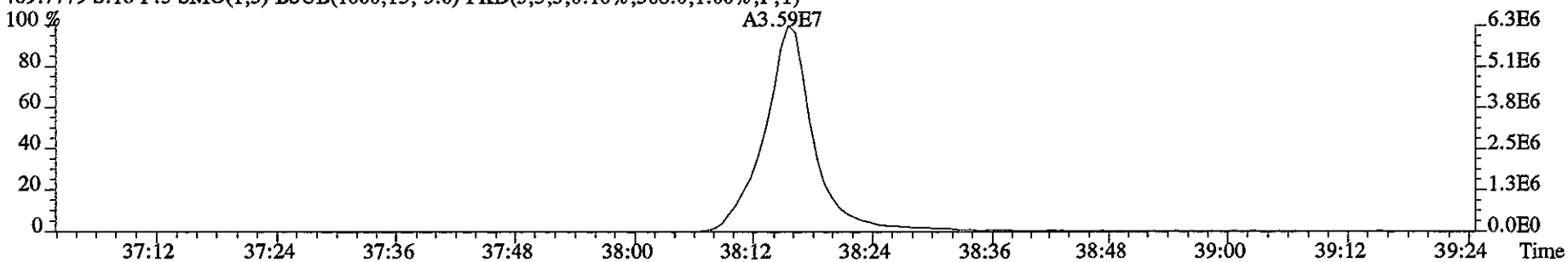
File:13SE10A4D5 #1-193 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
457.7377 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,808.0,1.00%,F,T)



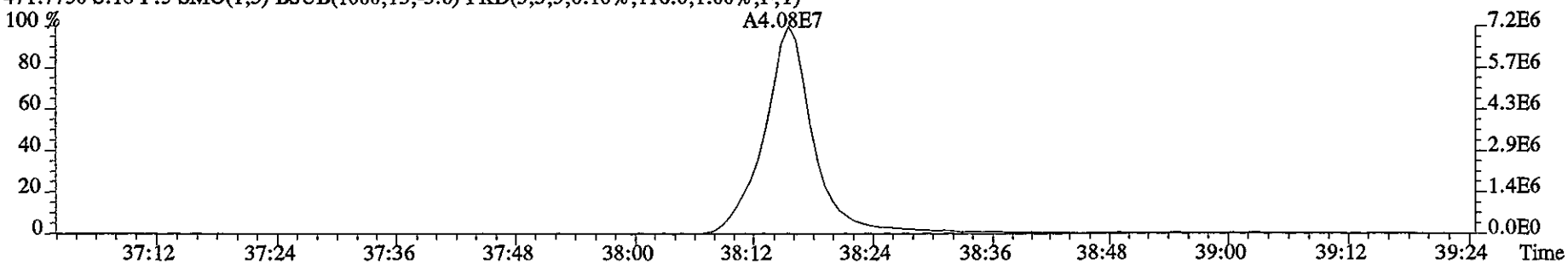
459.7348 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)



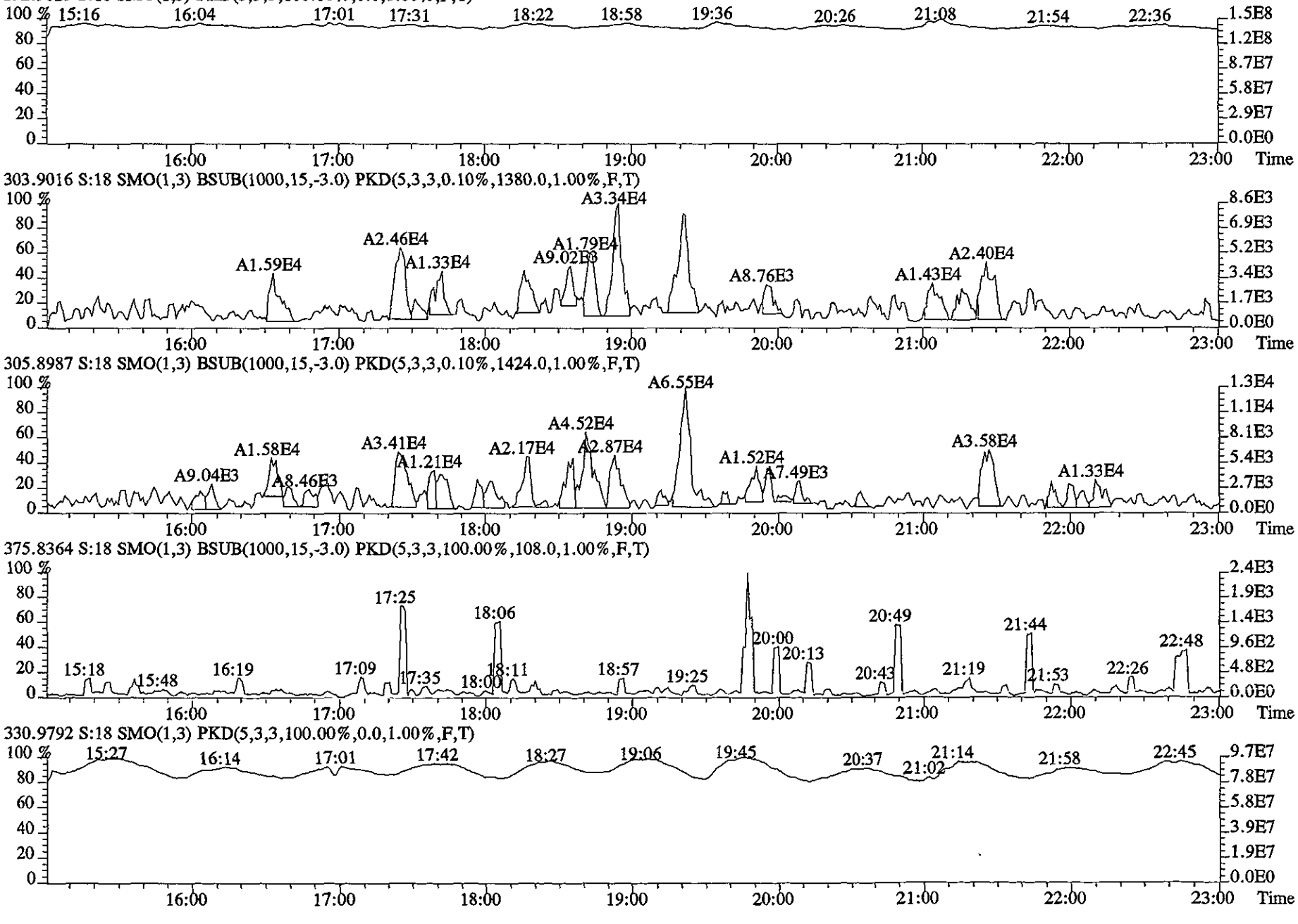
469.7779 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,368.0,1.00%,F,T)



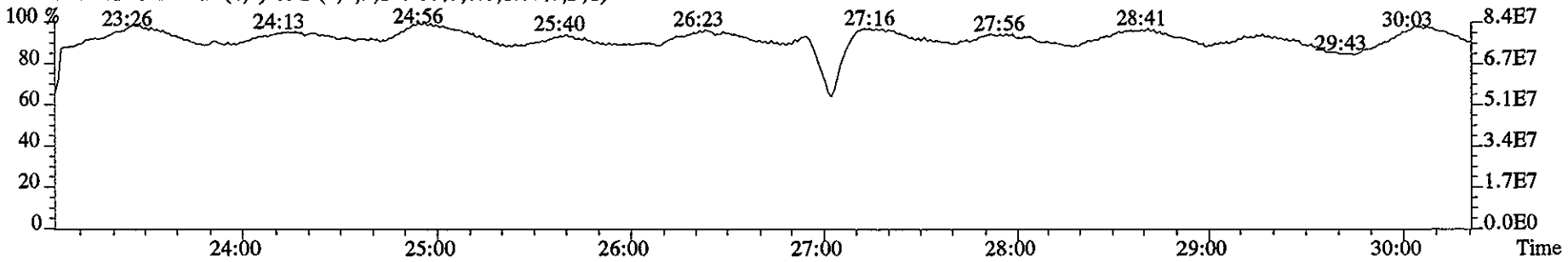
471.7750 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116.0,1.00%,F,T)



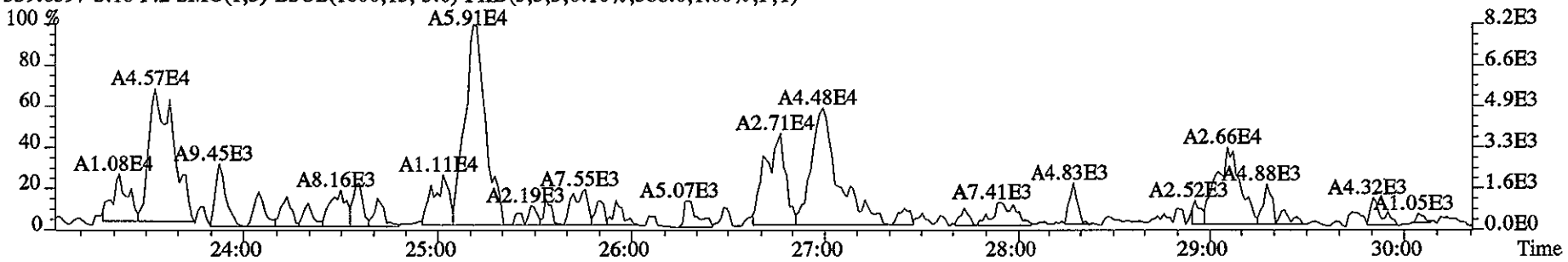
File:13SE10A4D5 #1-530 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES



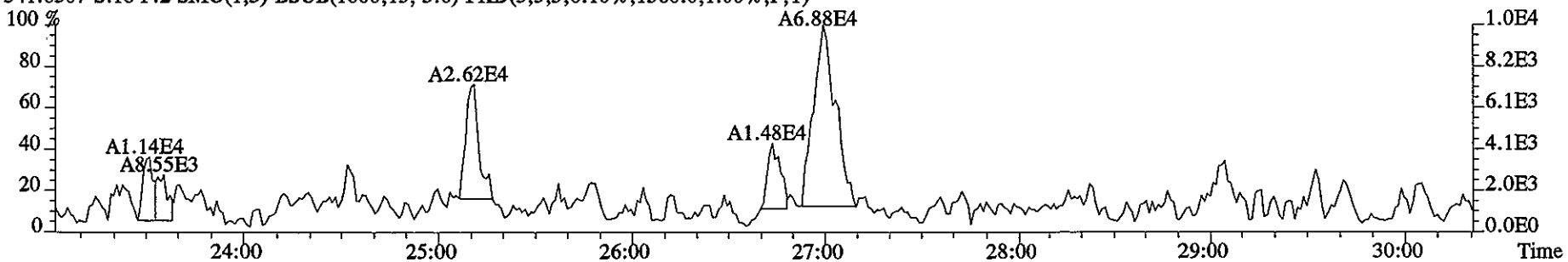
File:13SE10A4D5 #1-470 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
342.9792 S:18 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



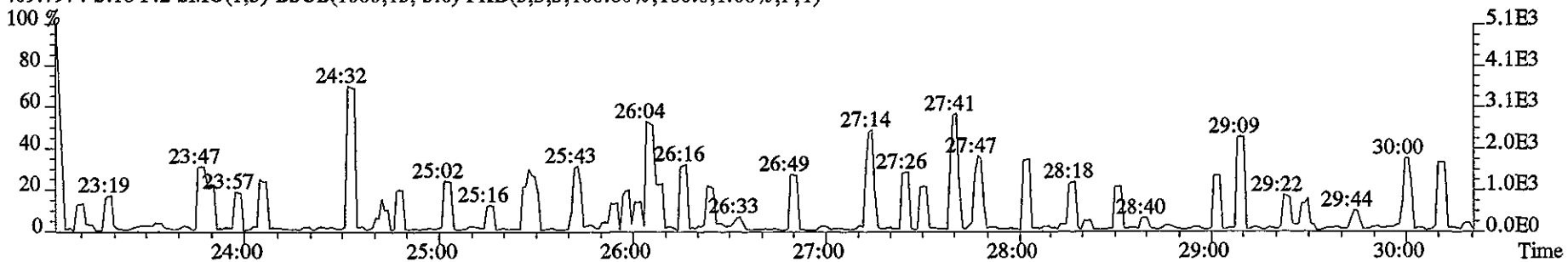
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,388.0,1.00%,F,T)



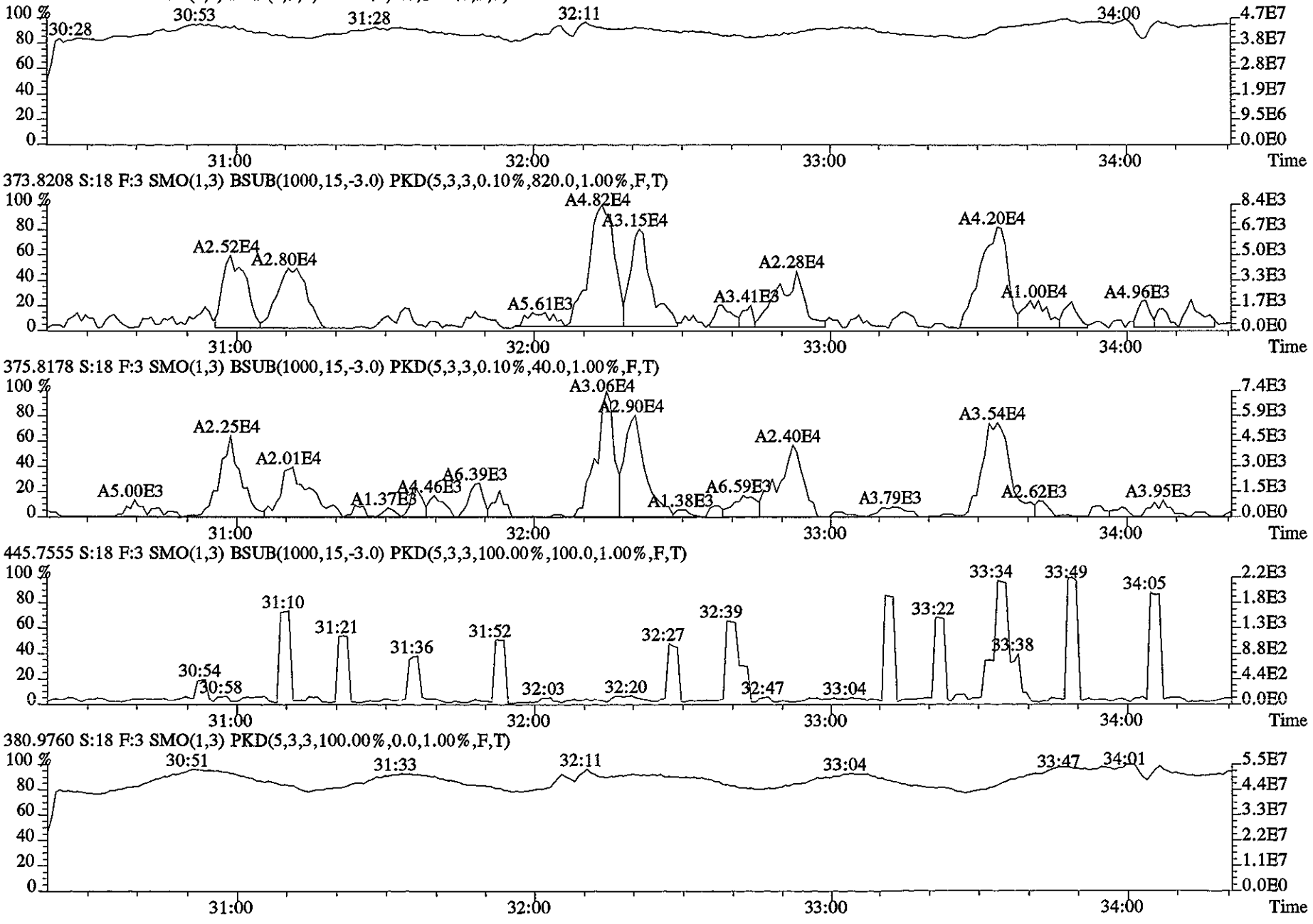
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1560.0,1.00%,F,T)



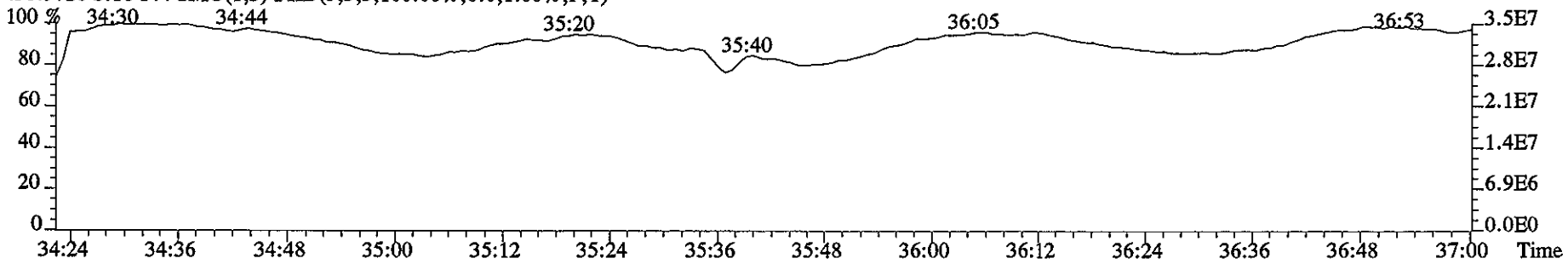
409.7974 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)



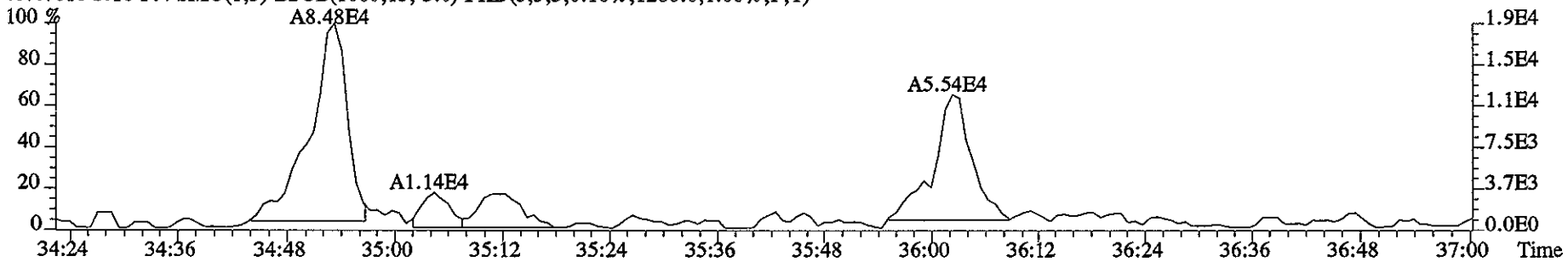
File:13SE10A4D5 #1-287 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES



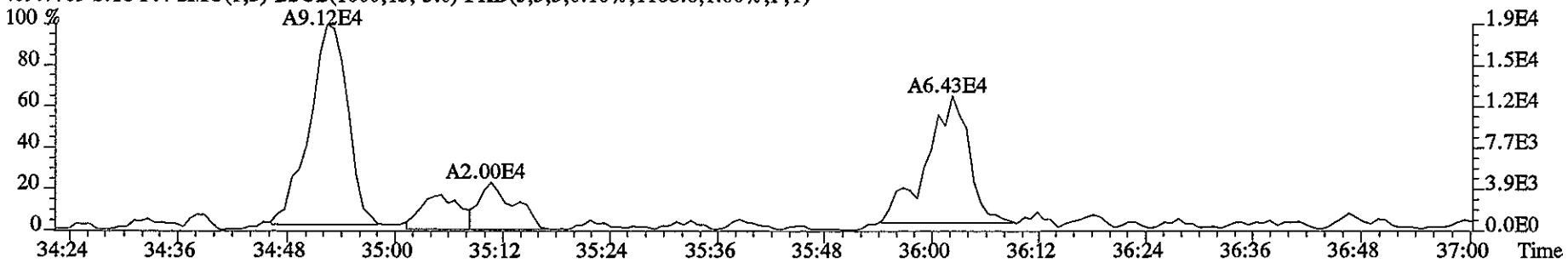
File:13SE10A4D5 #1-200 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
430.9728 S:18 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



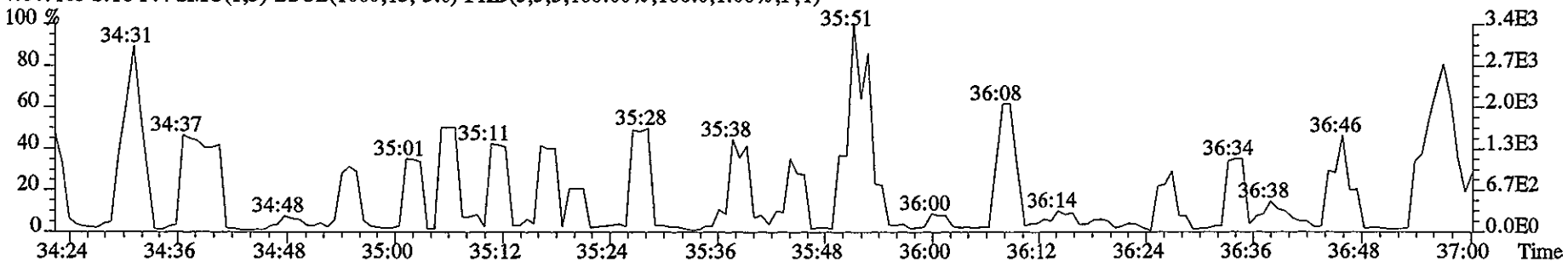
407.7818 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1280.0,1.00%,F,T)



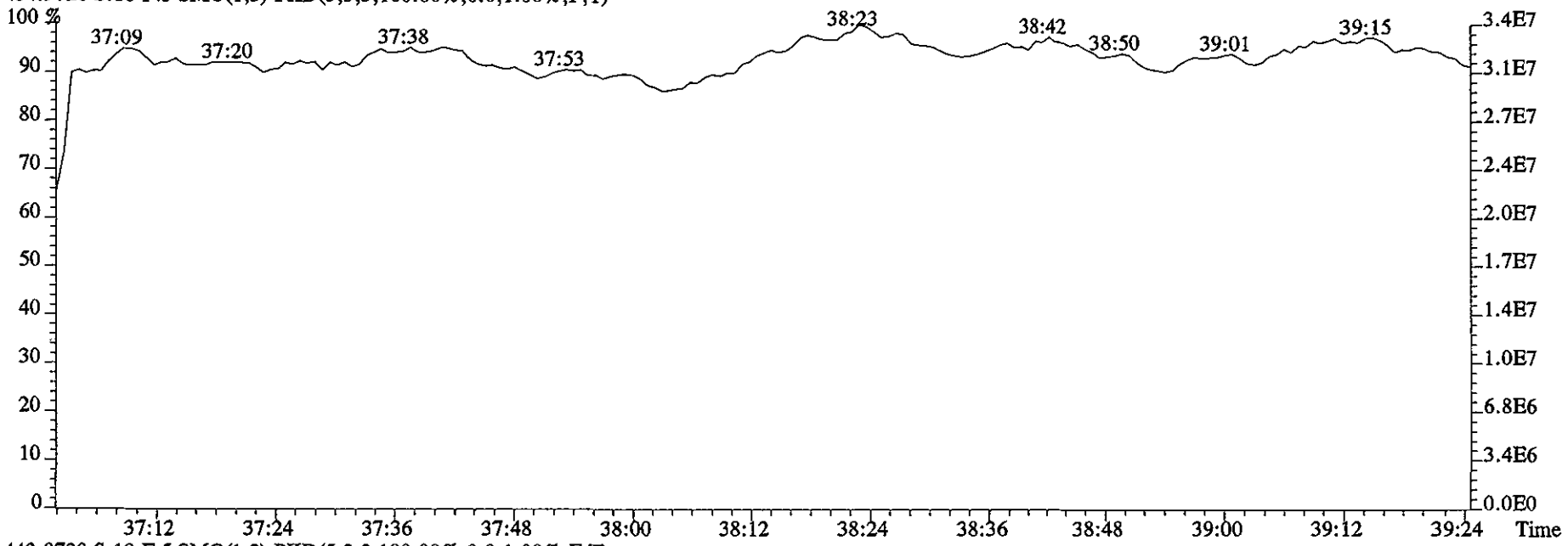
409.7789 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1108.0,1.00%,F,T)



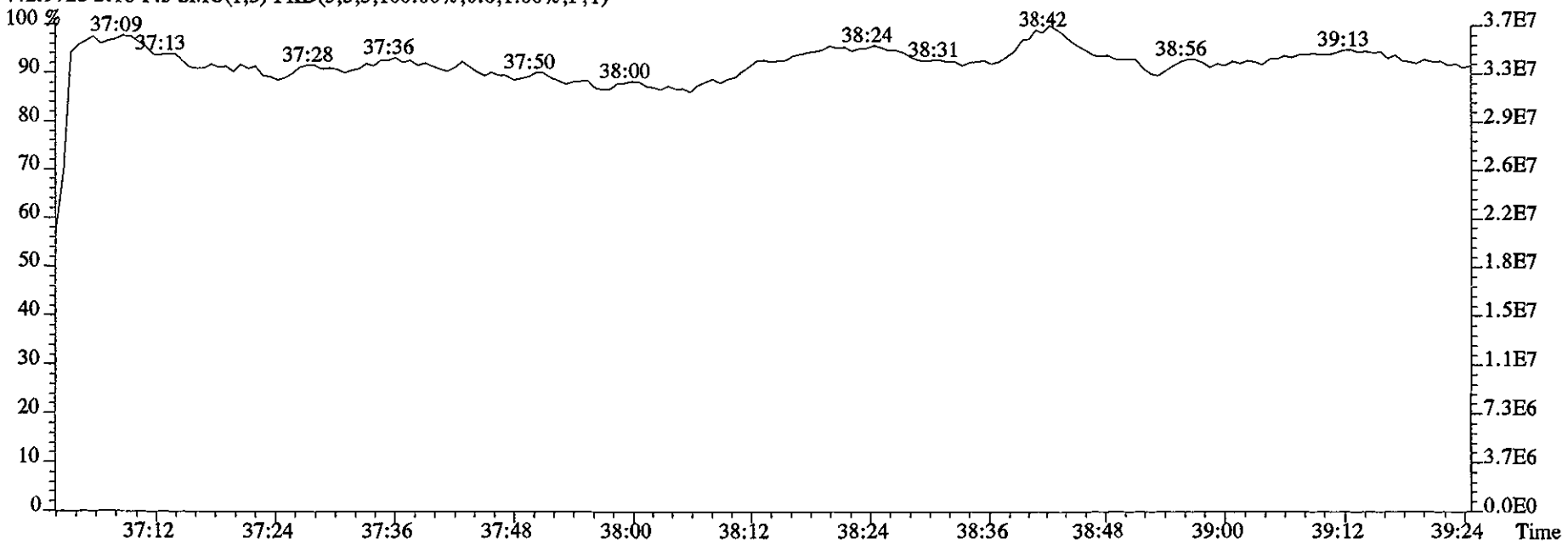
479.7165 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)



File:13SE10A4D5 #1-193 Acq:13-SEP-2010 23:50:41 GC EI+ Voltage SIR Autospec-UltimaE
Sample#18 Text:L6QEG-1-AA :G0H270000-314 (445-MB) Exp:DIOXINRES
454.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

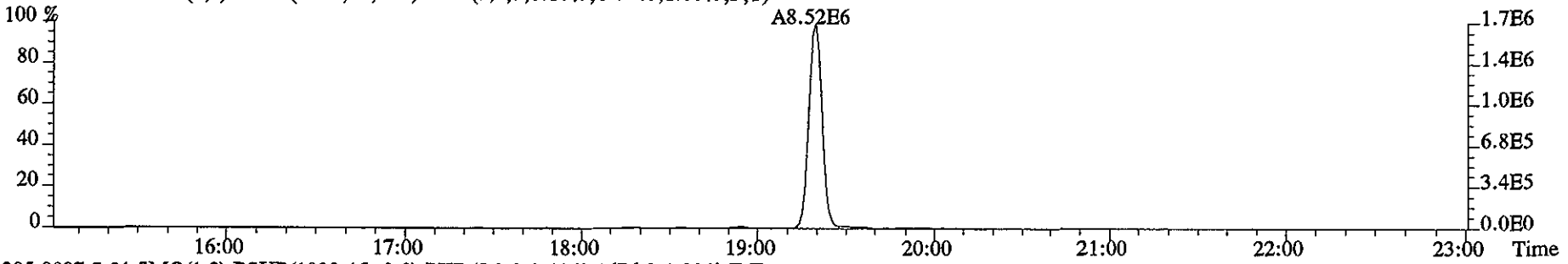


442.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

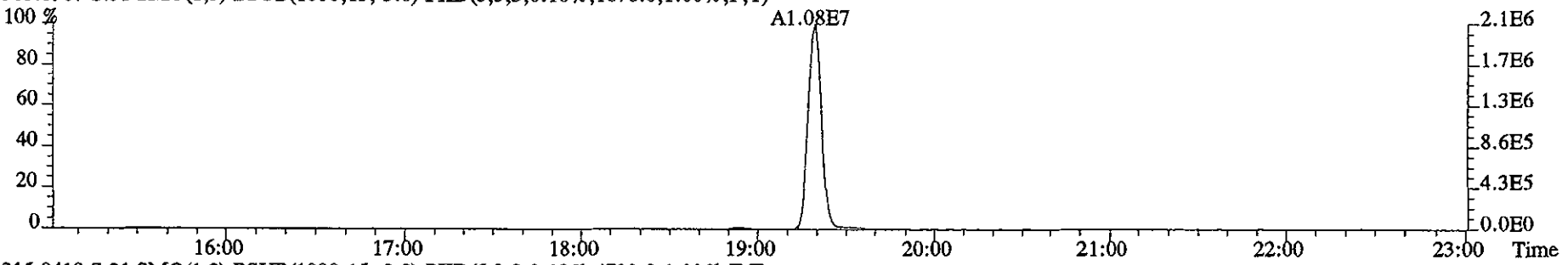


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

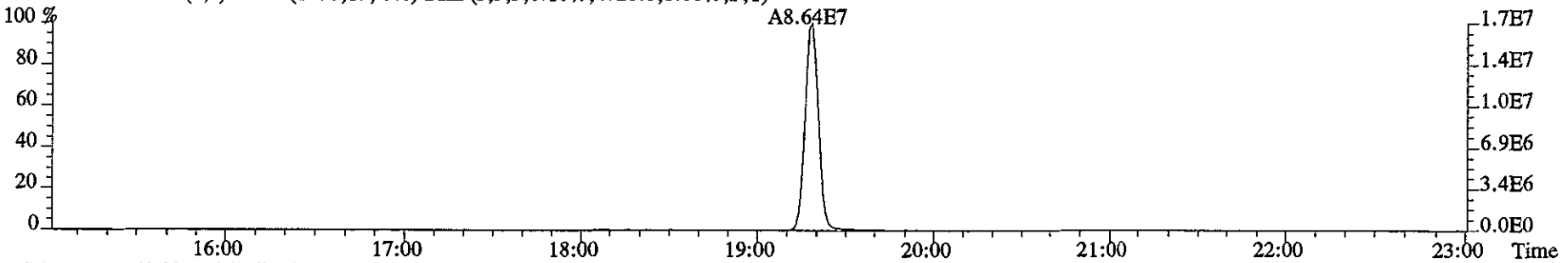
303.9016 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



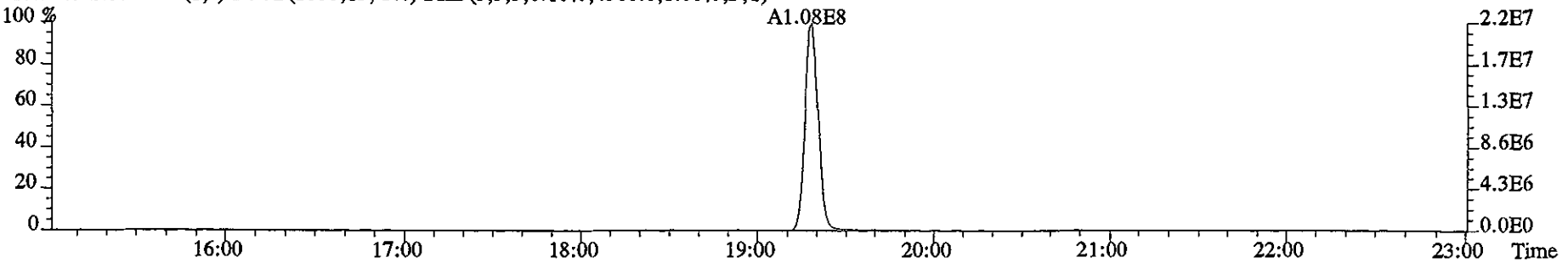
305.8987 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1676.0,1.00%,F,T)



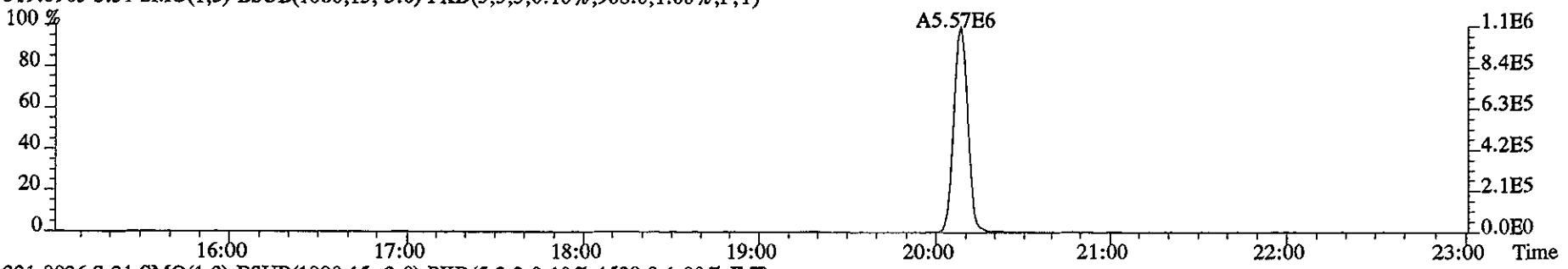
315.9419 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4720.0,1.00%,F,T)

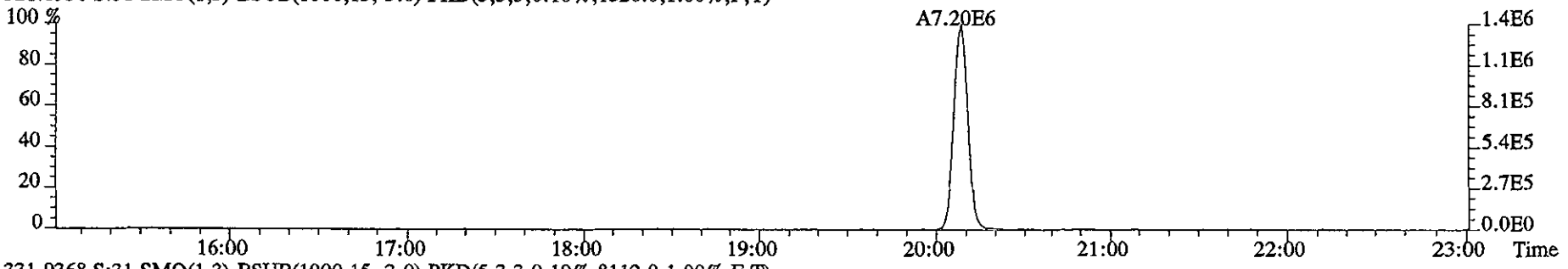


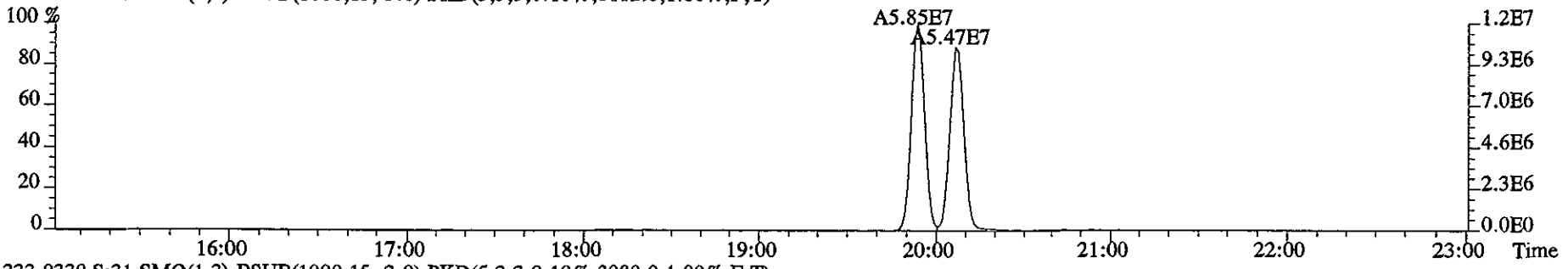
317.9389 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)

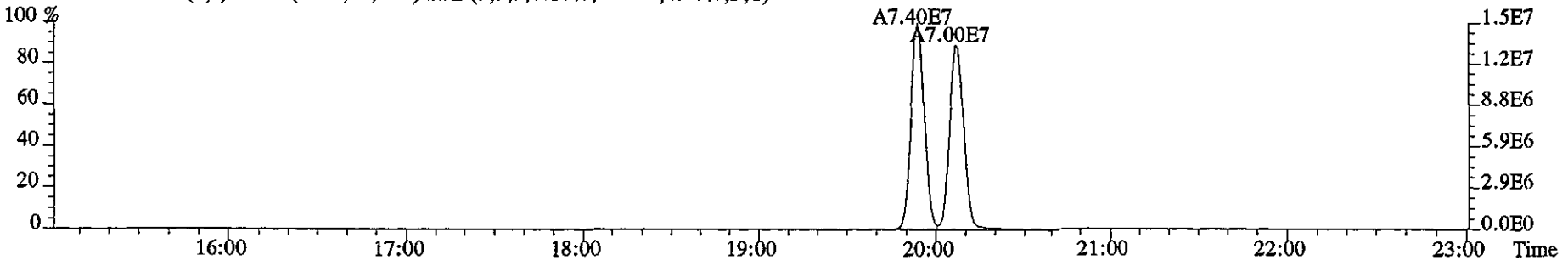


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

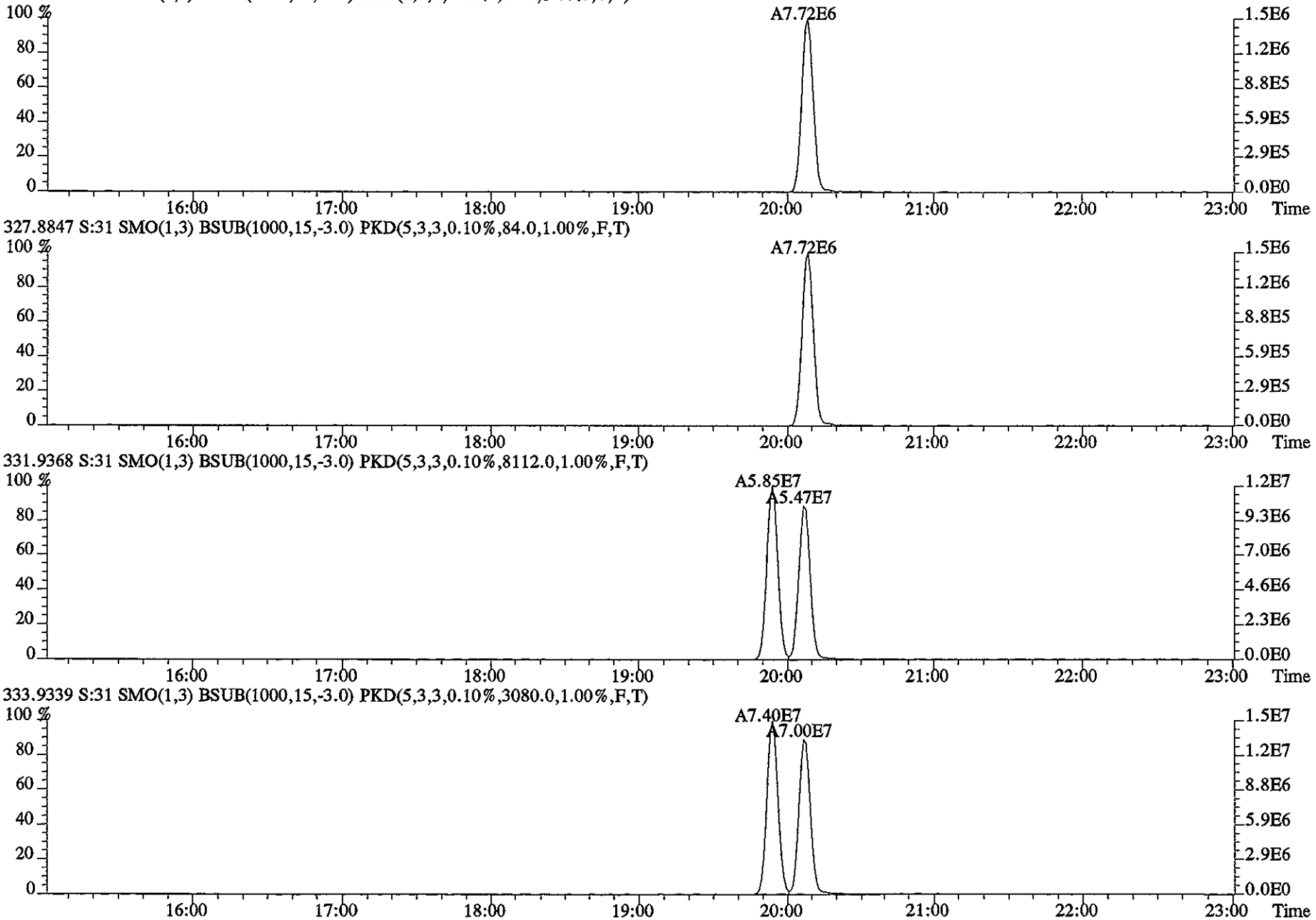




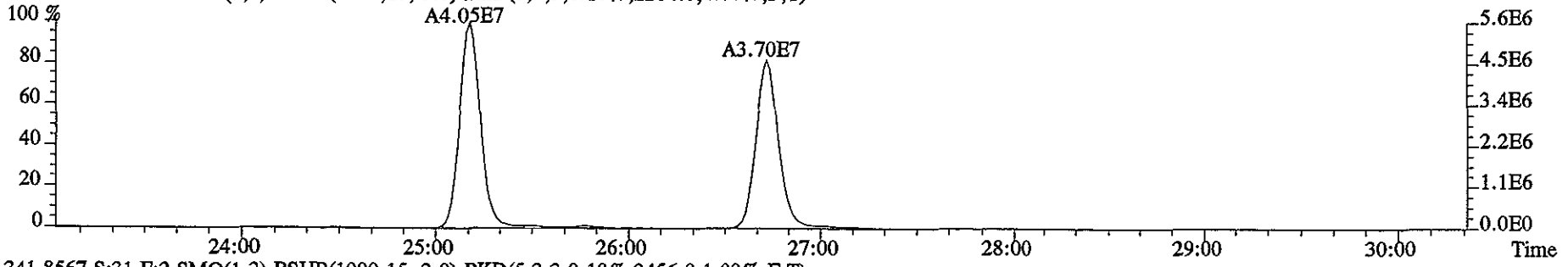


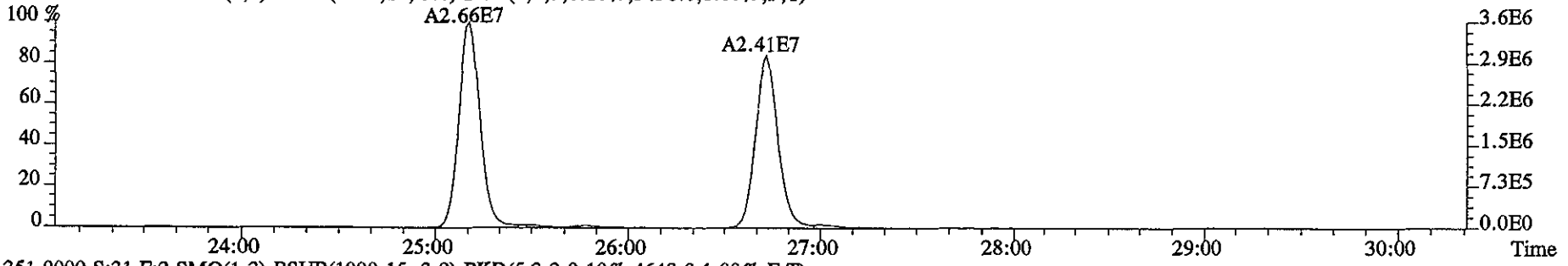


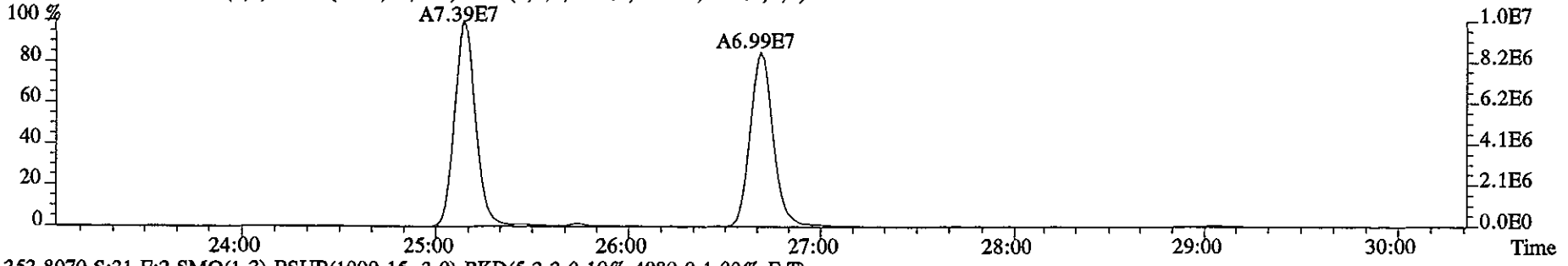
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

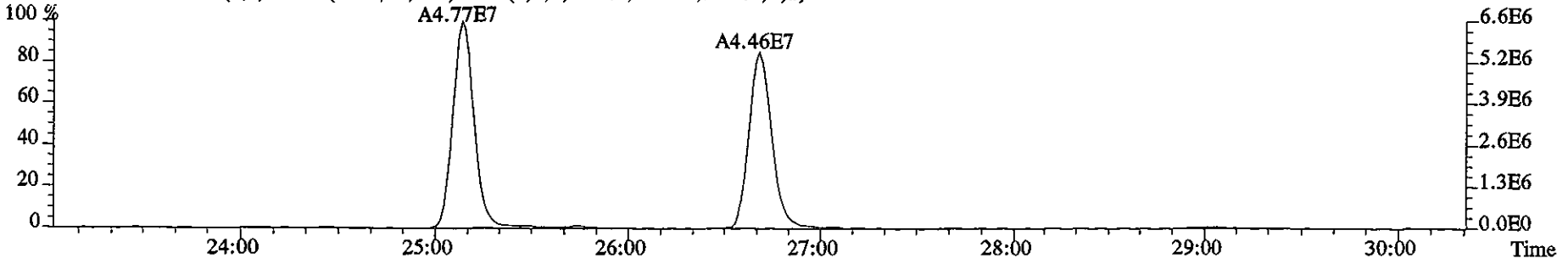


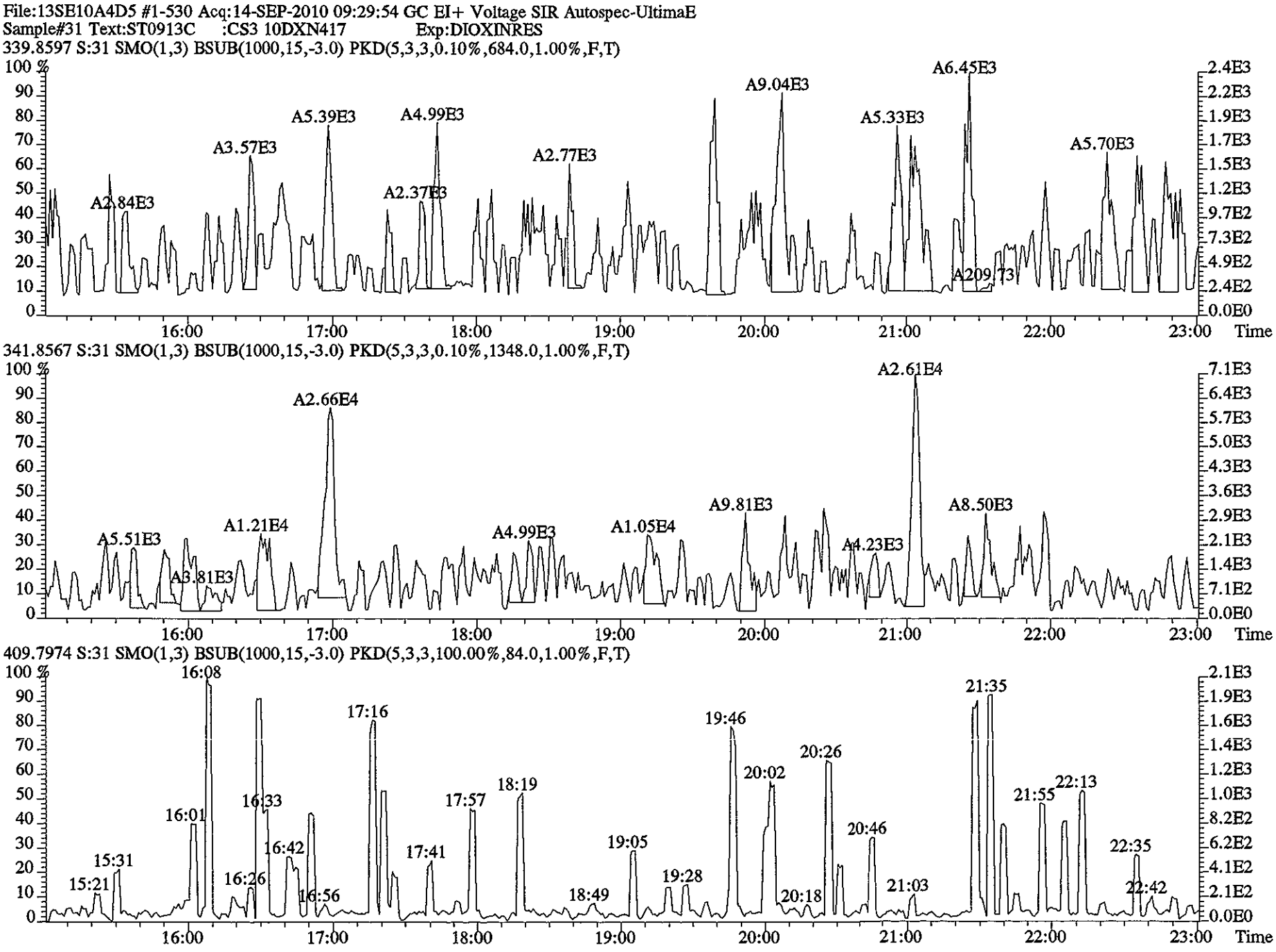
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES





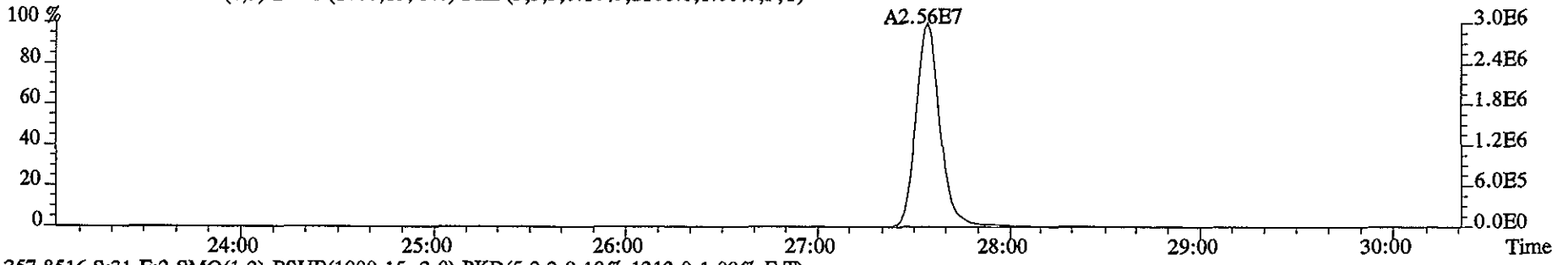




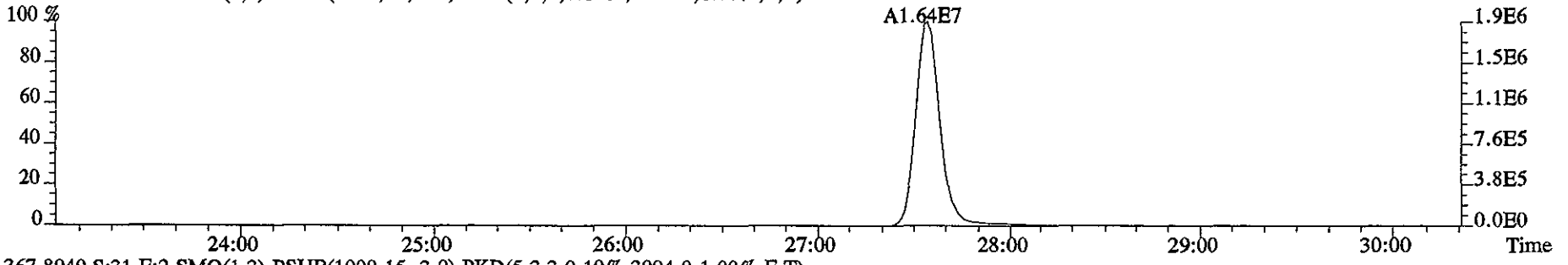

File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,684.0,1.00%,F,T)
A2.84E3
A3.57E3
A5.39E3
A4.99E3
A2.37E3
A2.77E3
A9.04E3
A5.33E3
A6.45E3
A5.70E3
A209.73
341.8567 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1348.0,1.00%,F,T)
A5.51E3
A3.81E3
A1.21E4
A2.66E4
A4.99E3
A1.05E4
A9.81E3
A4.23E3
A2.61E4
A8.50E3
409.7974 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)
15:21
15:31
16:01
16:08
16:26
16:33
16:42
16:56
17:16
17:41
17:57
18:19
18:49
19:05
19:28
19:46
20:02
20:18
20:26
20:46
21:03
21:35
21:55
22:13
22:35
22:42
Time

File:13SE10A4D5 #1-470 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

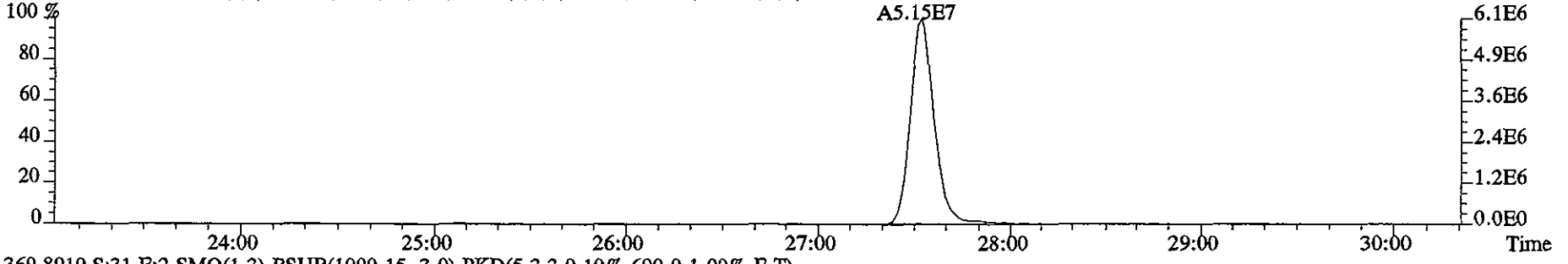
355.8546 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2108.0,1.00%,F,T)



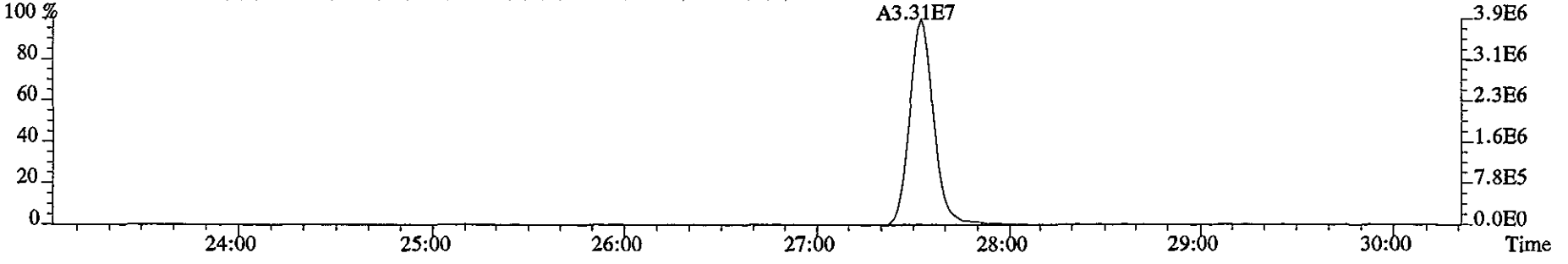
357.8516 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1212.0,1.00%,F,T)



367.8949 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3904.0,1.00%,F,T)

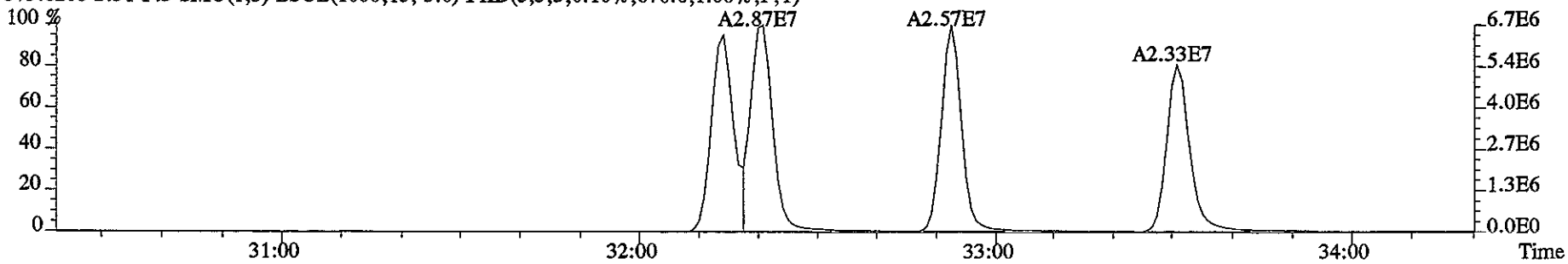


369.8919 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,600.0,1.00%,F,T)

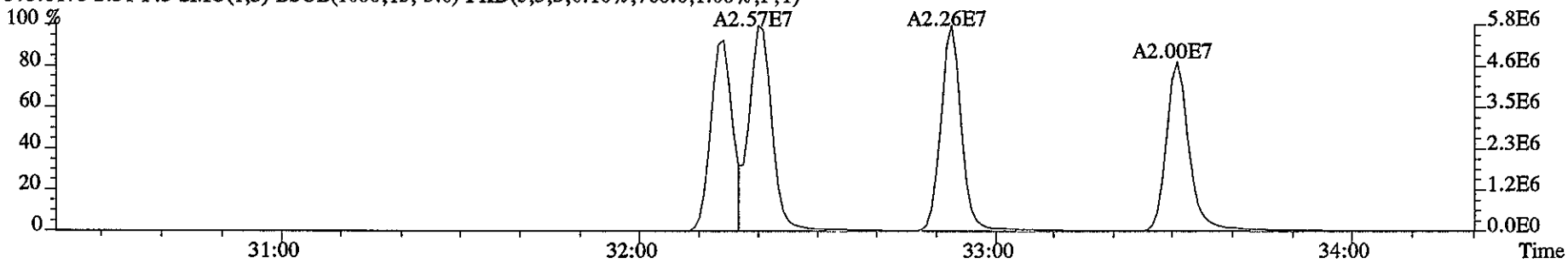


File:13SE10A4D5 #1-286 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

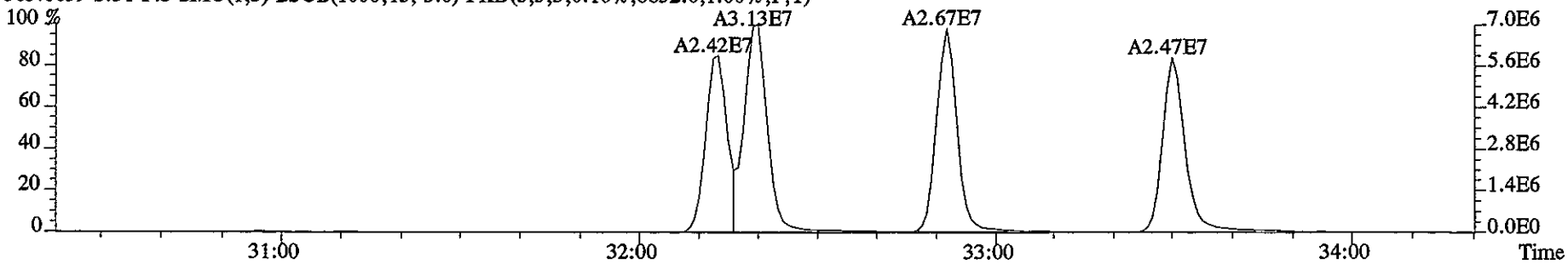
373.8208 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



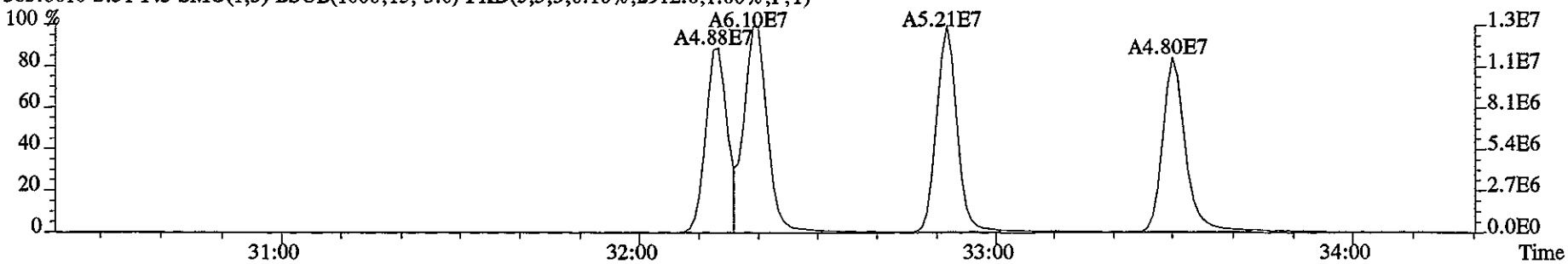
375.8178 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,768.0,1.00%,F,T)



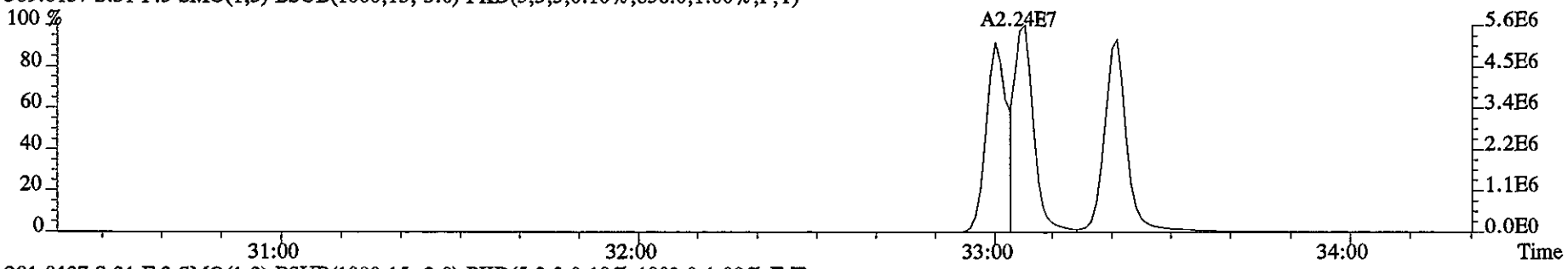
383.8639 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8832.0,1.00%,F,T)

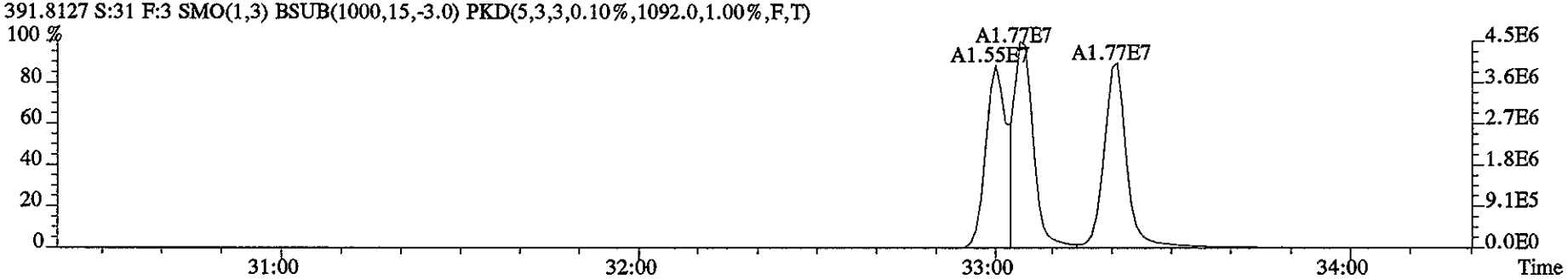


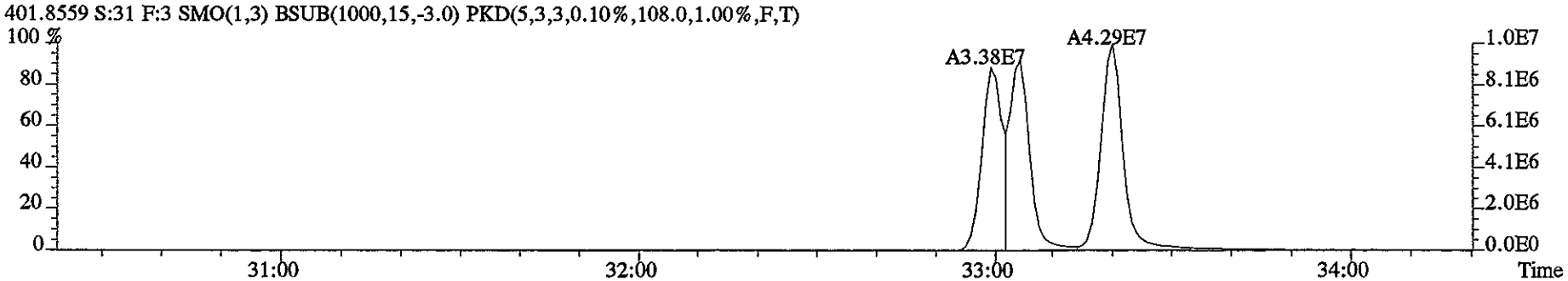
385.8610 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2912.0,1.00%,F,T)

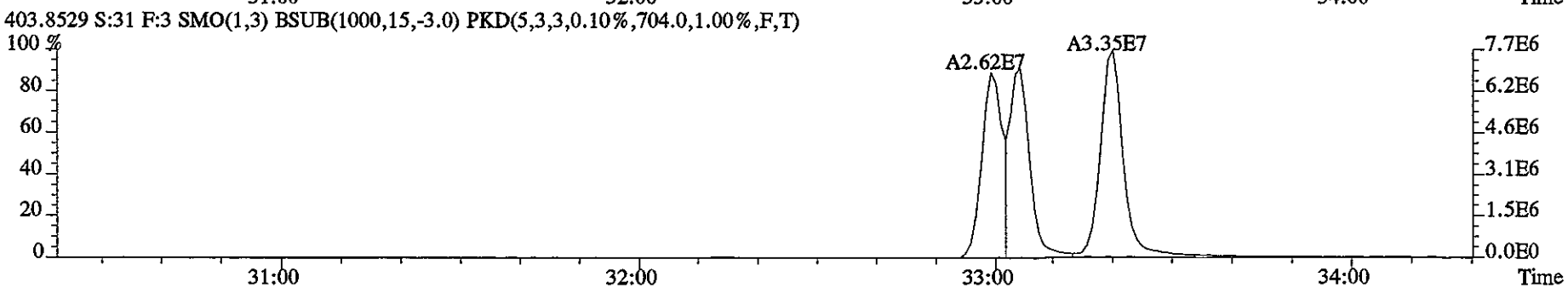


File:13SE10A4D5 #1-286 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

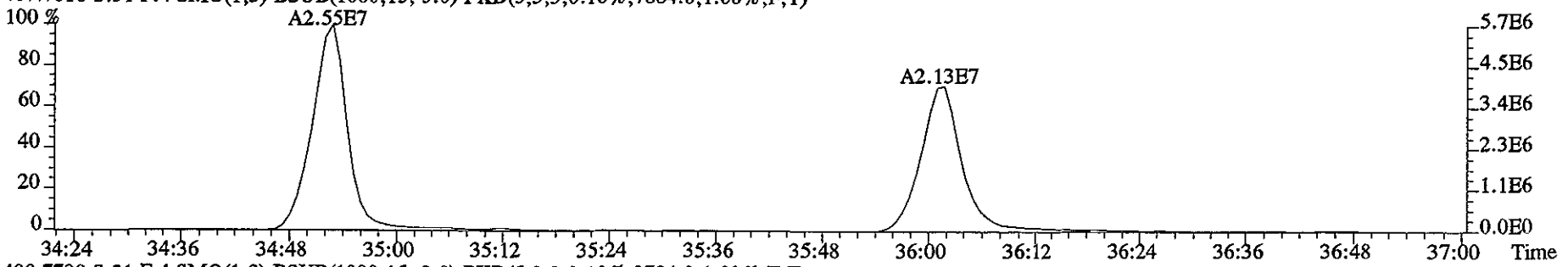


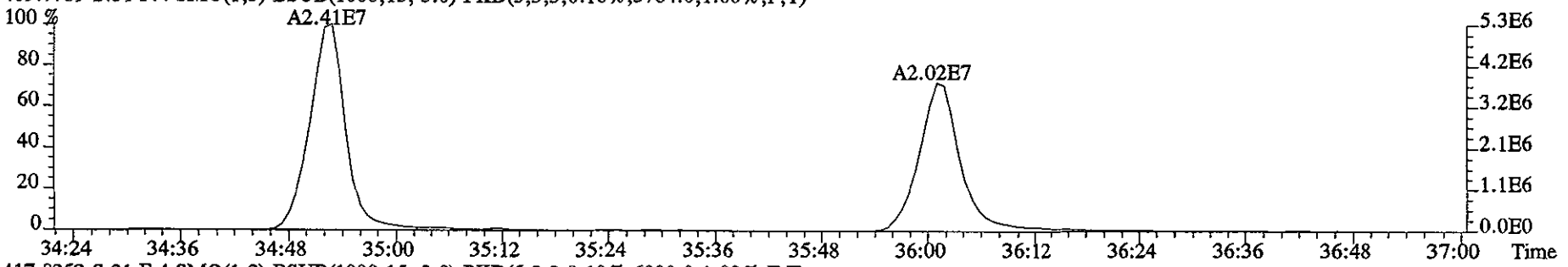


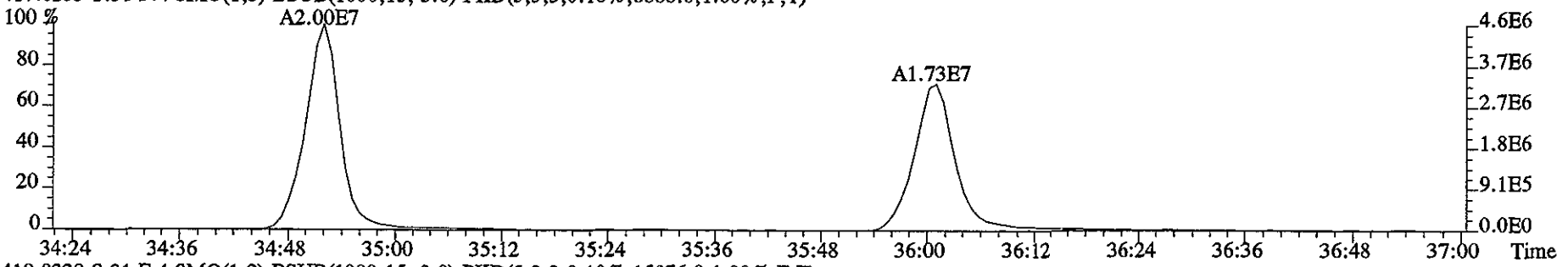


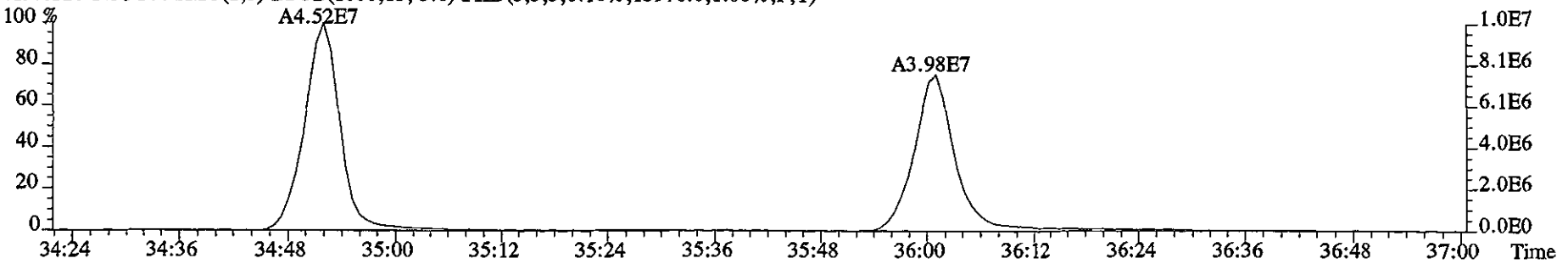


File:13SE10A4D5 #1-201 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES



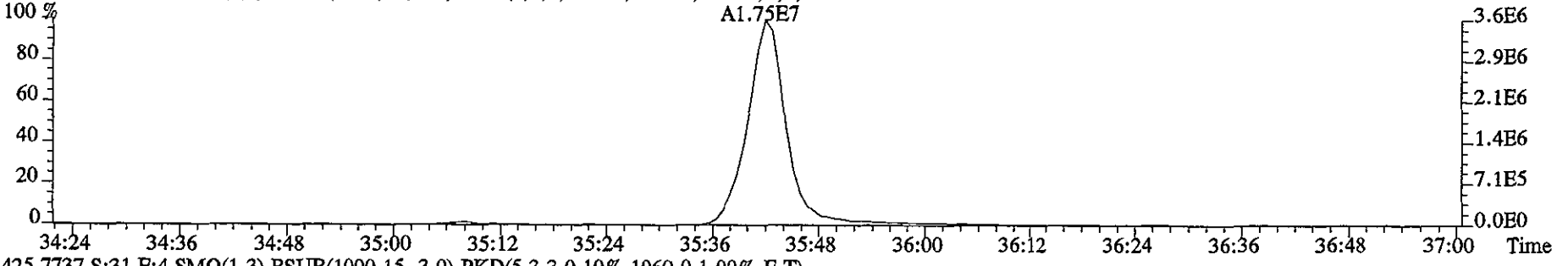




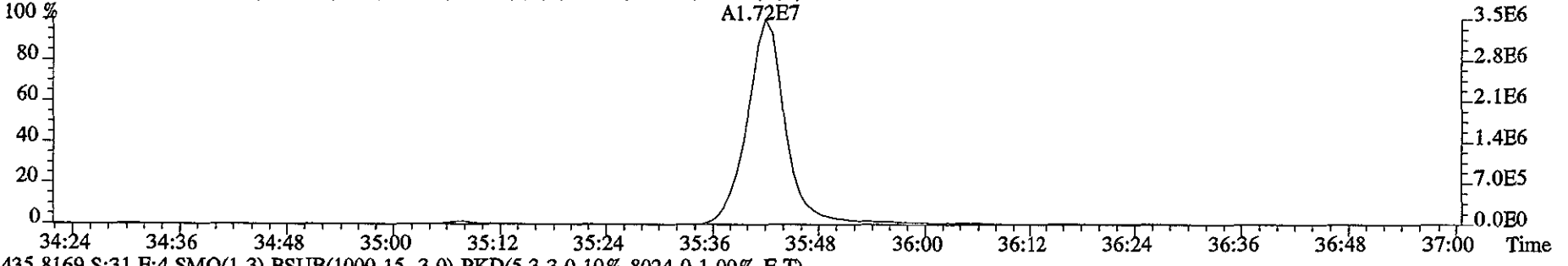


File:13SE10A4D5 #1-201 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

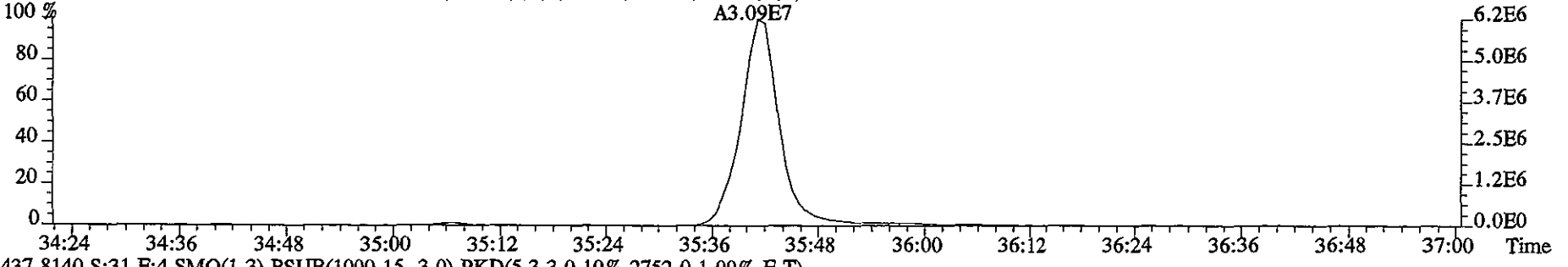
423.7766 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2636.0,1.00%,F,T)



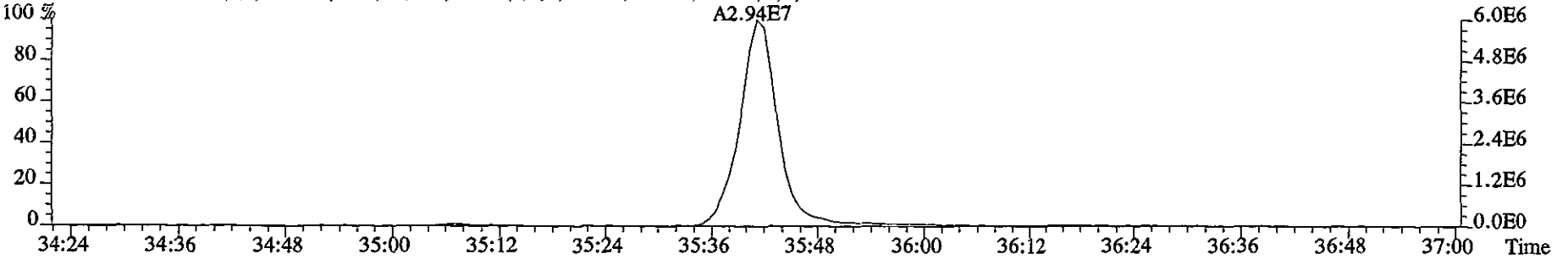
425.7737 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1960.0,1.00%,F,T)



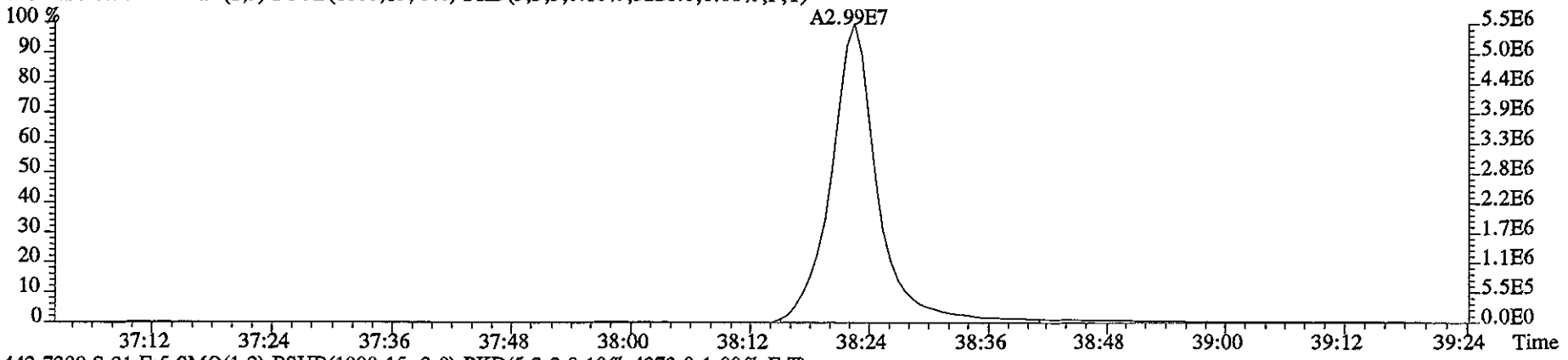
435.8169 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8024.0,1.00%,F,T)



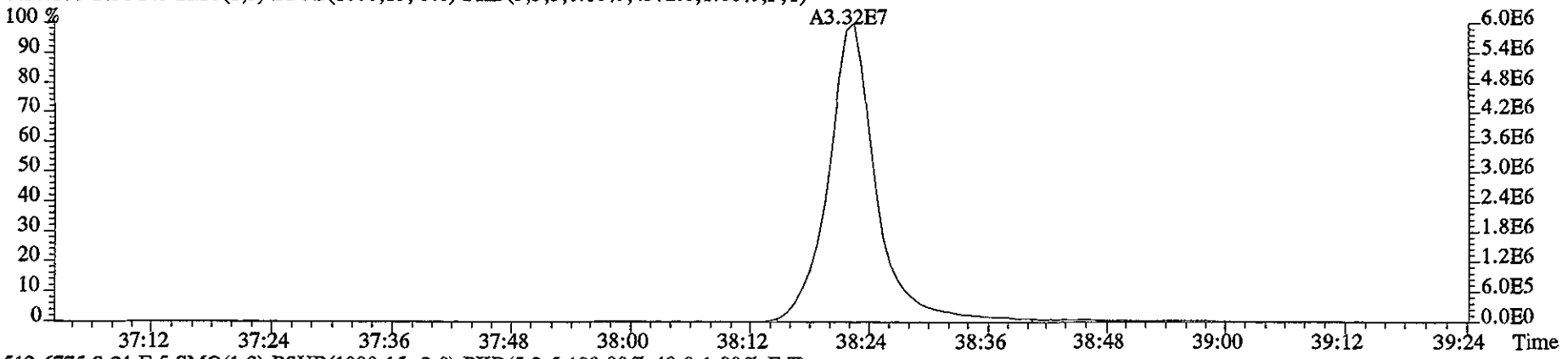
437.8140 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T)



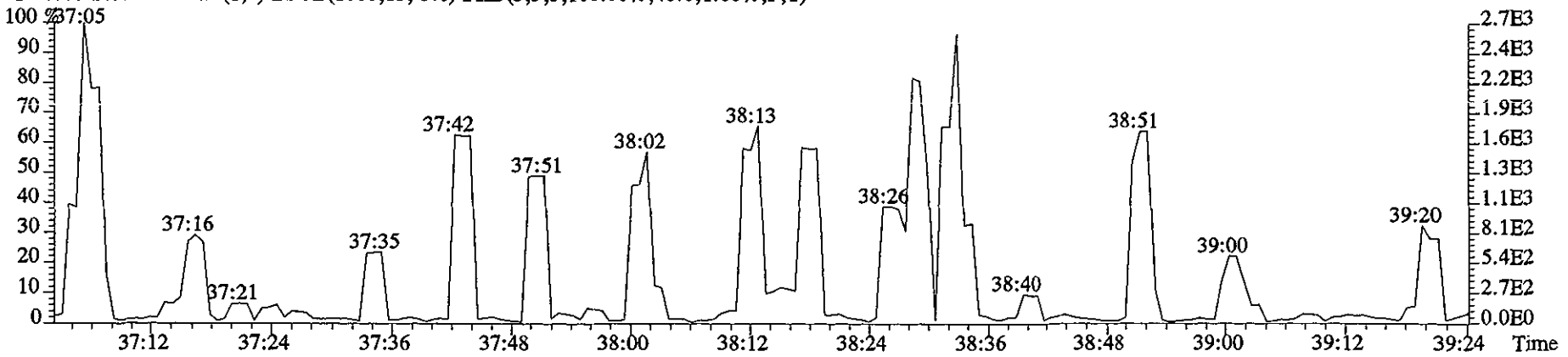
File:13SE10A4D5 #1-192 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



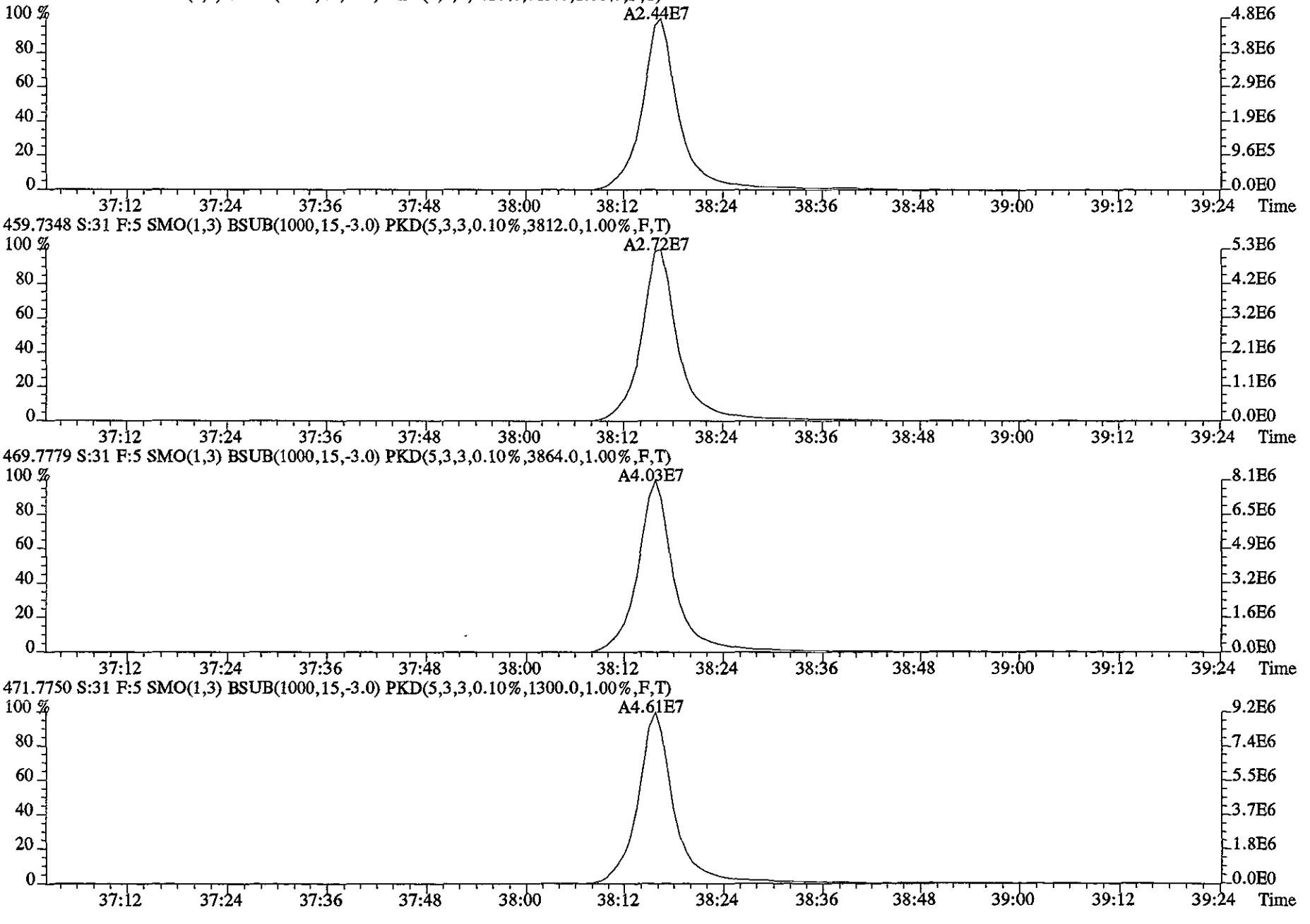
443.7399 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4372.0,1.00%,F,T)



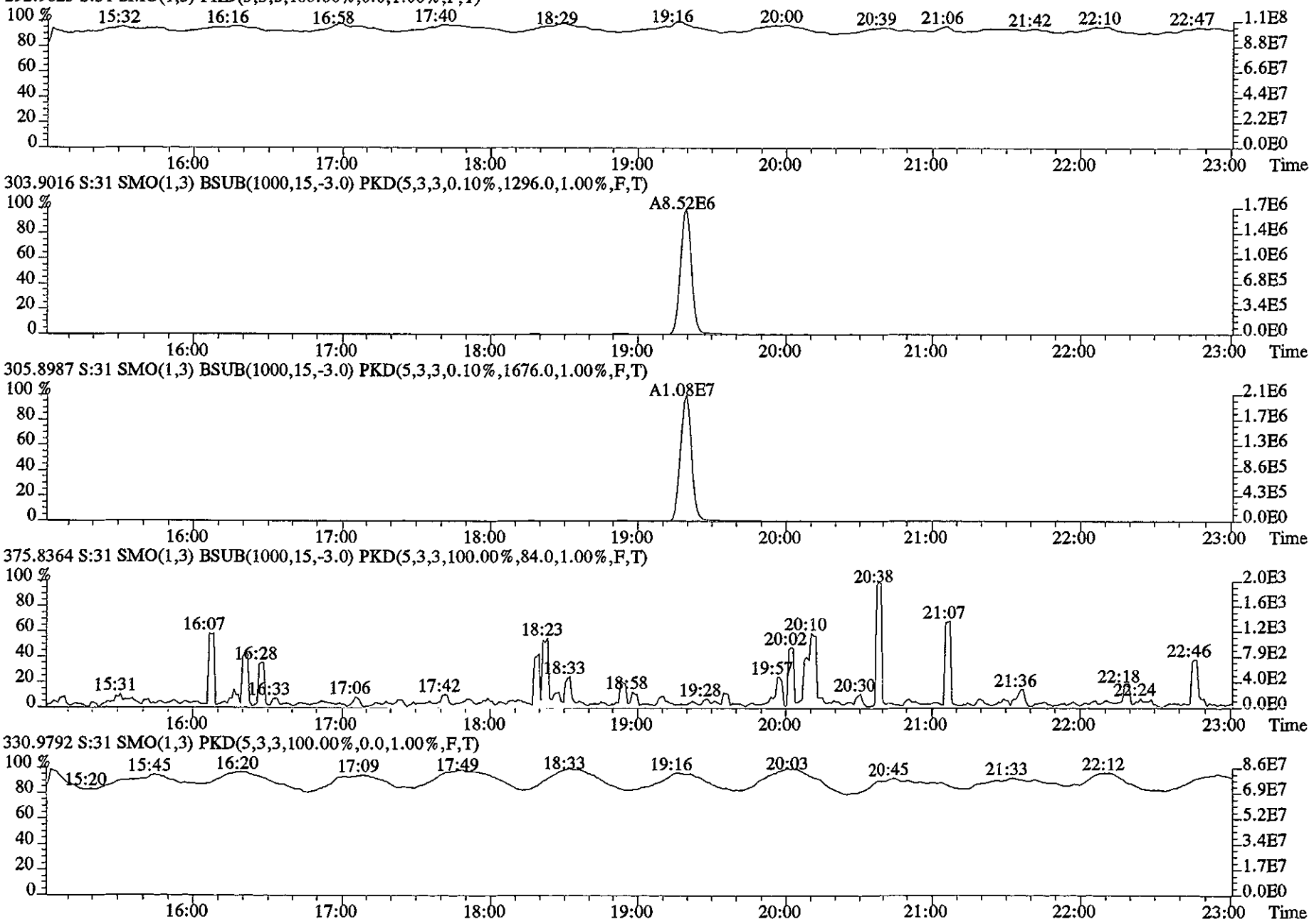
513.6775 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,48.0,1.00%,F,T)



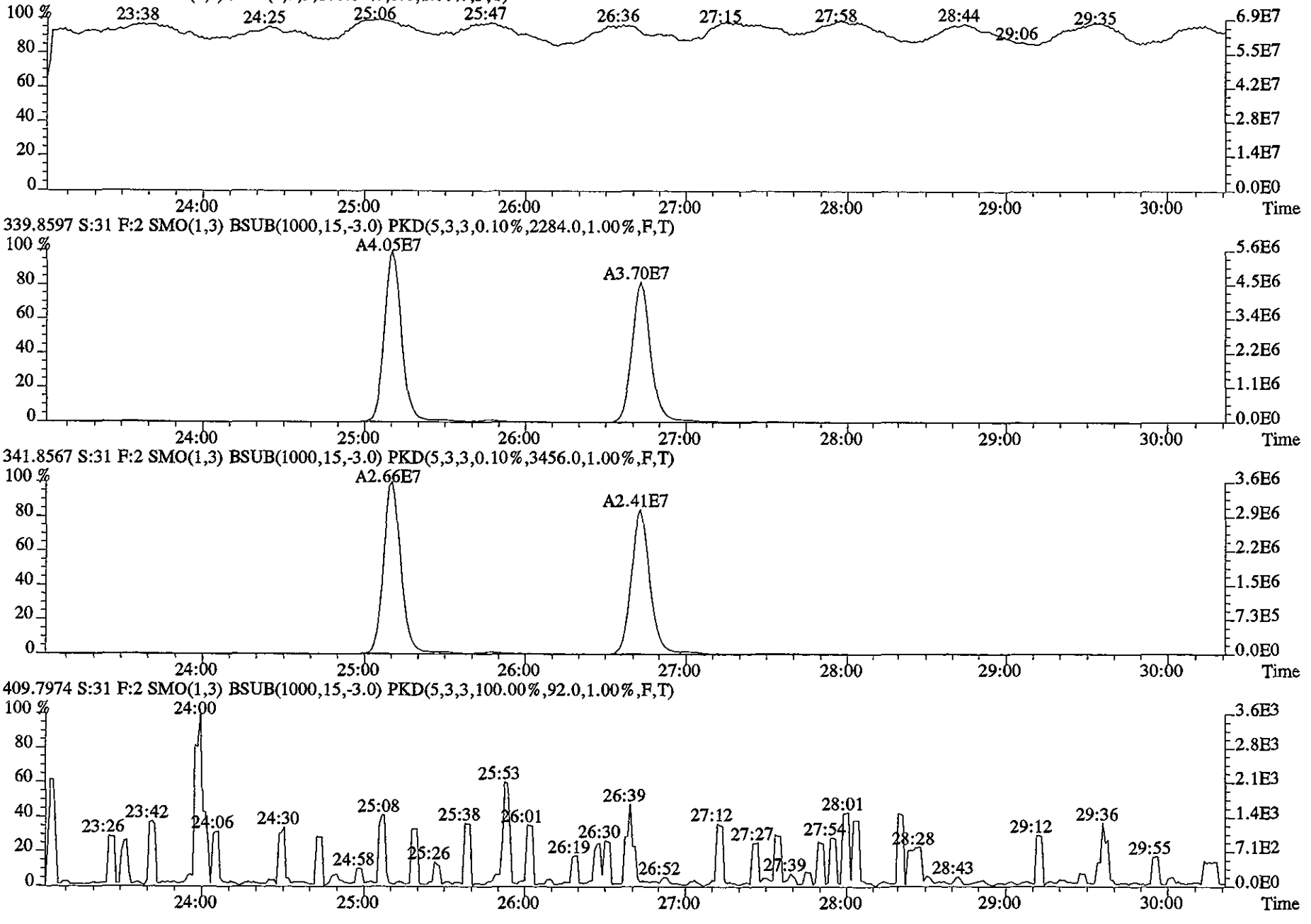
File:13SE10A4D5 #1-192 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES



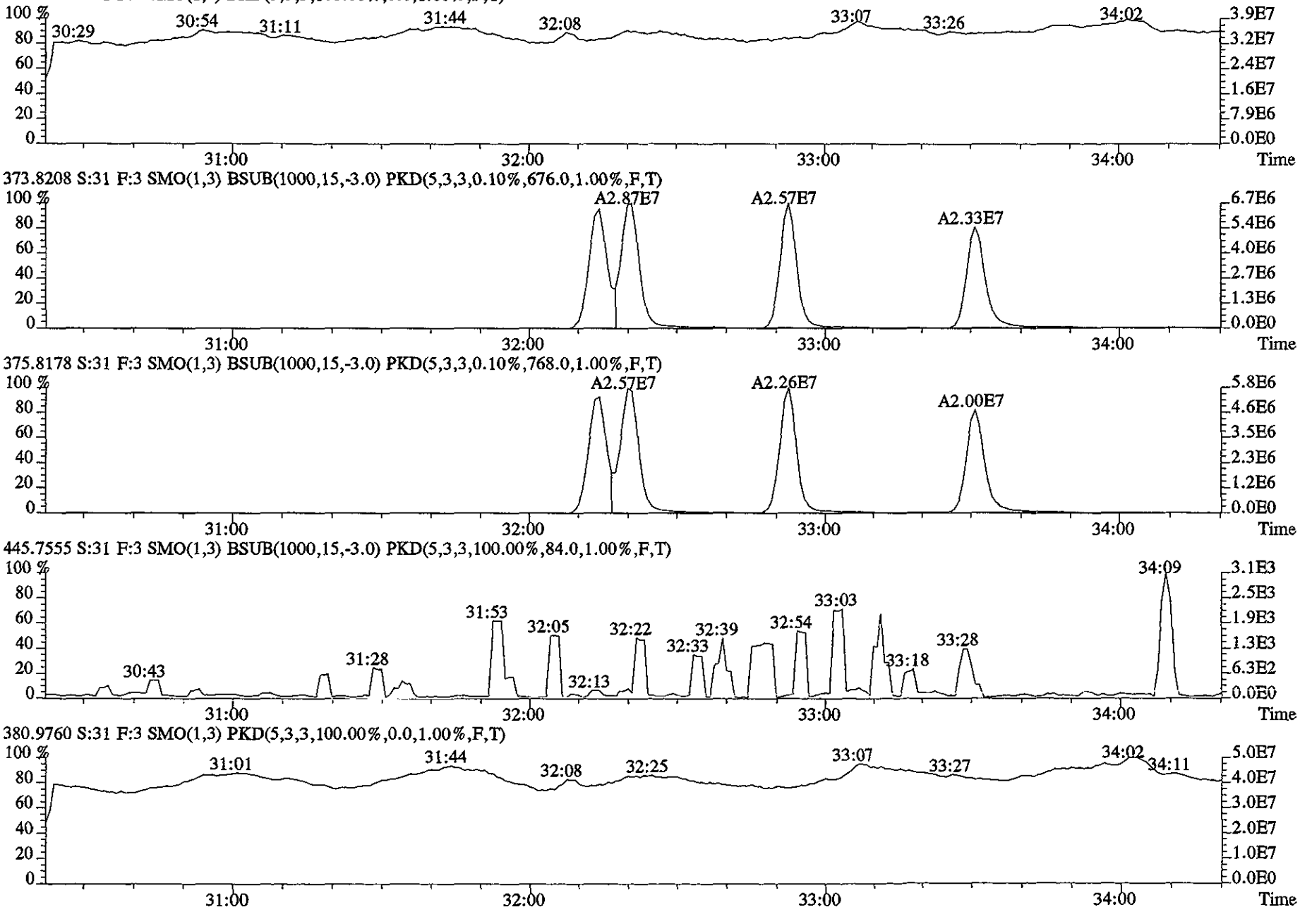
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES



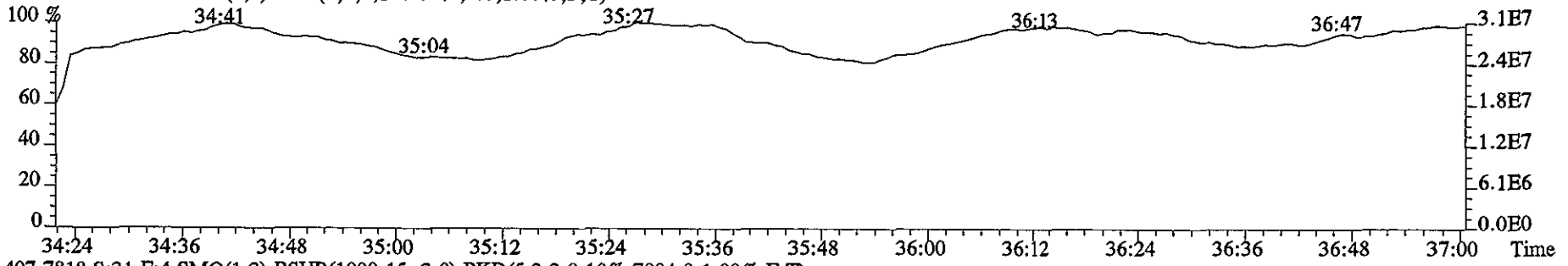
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

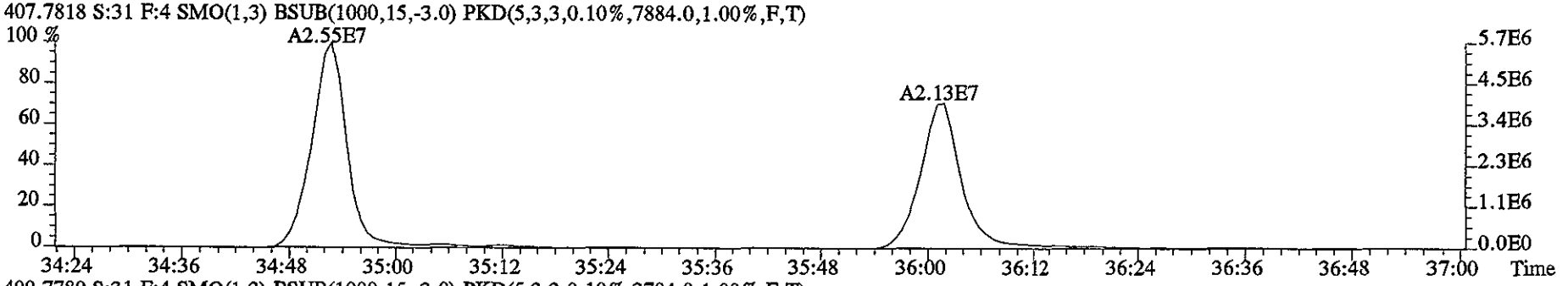


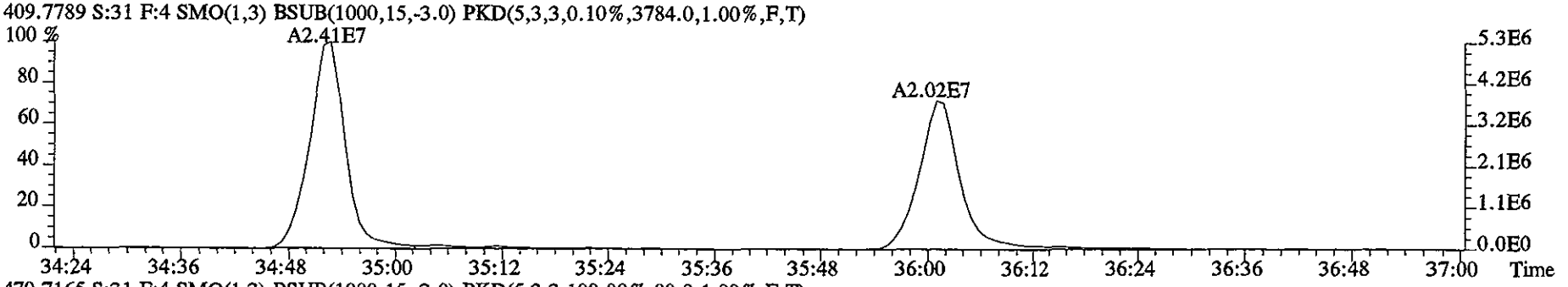
File:13SE10A4D5 #1-286 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

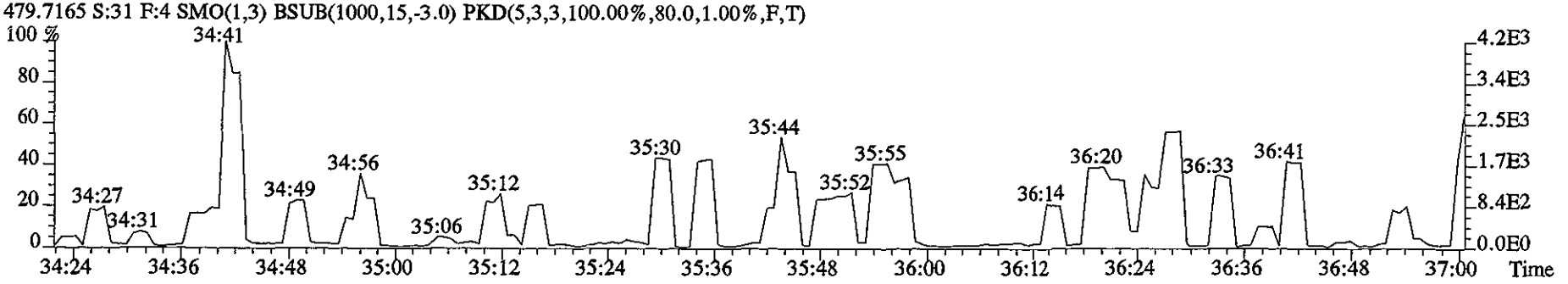


File:13SE10A4D5 #1-201 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

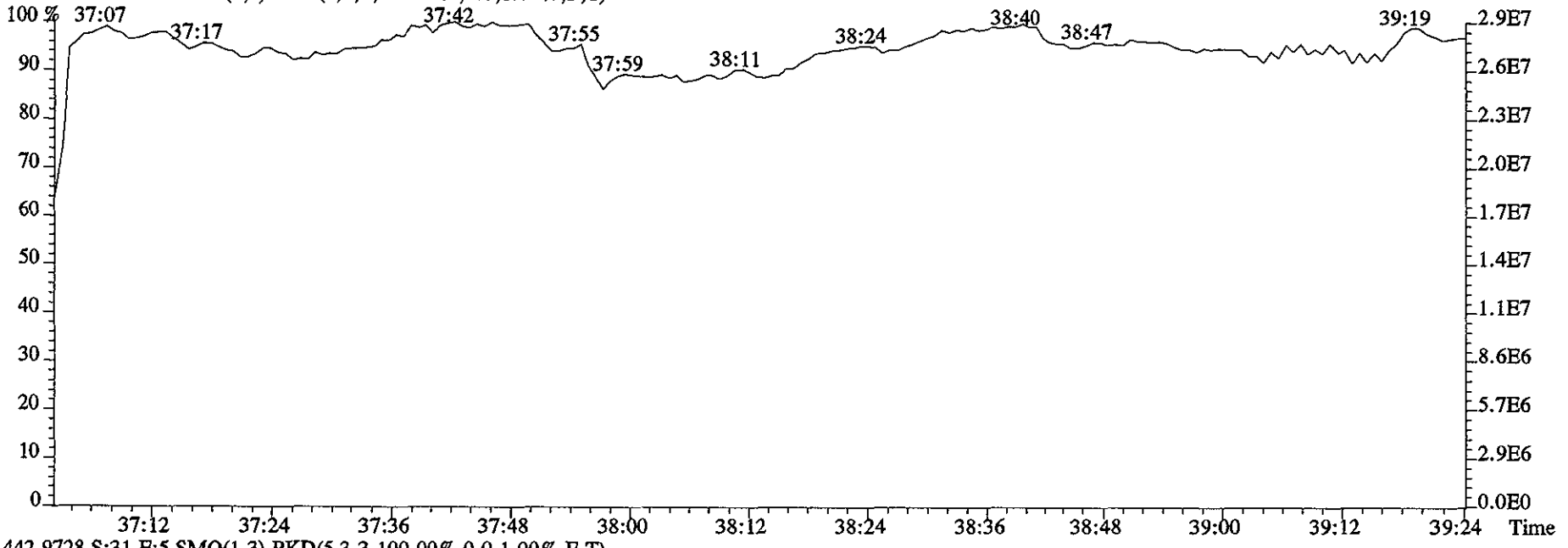




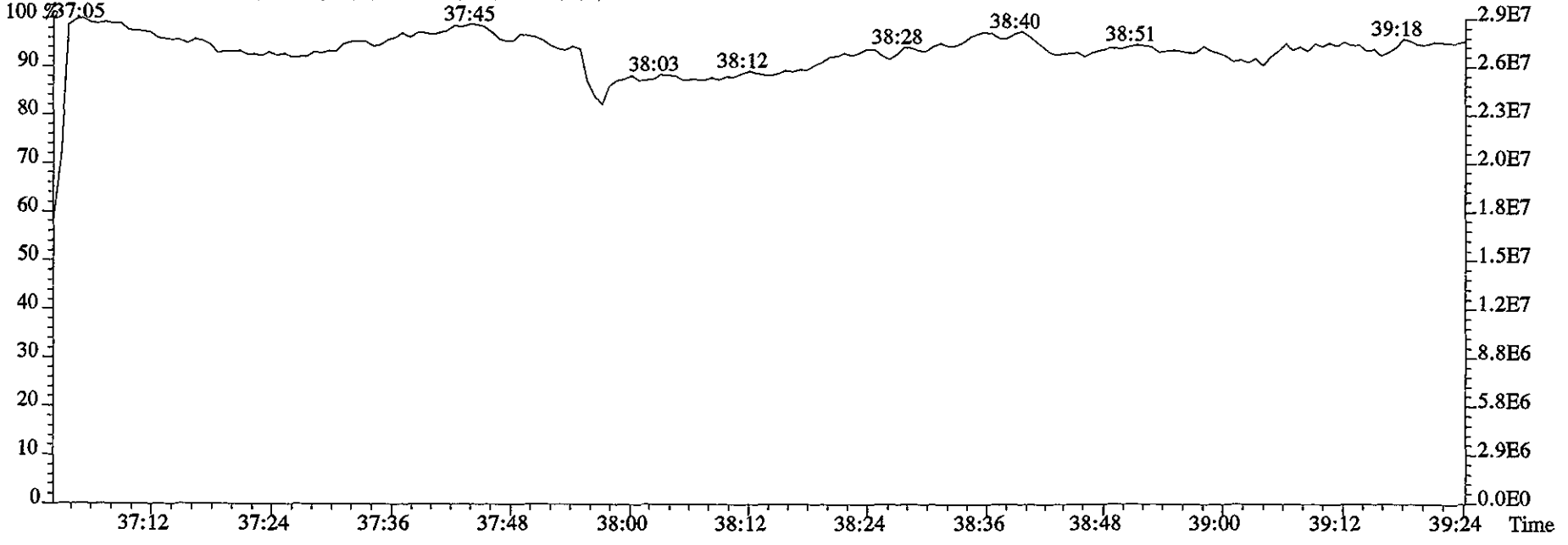




File:13SE10A4D5 #1-192 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES
454.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
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Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID ~~8290~~ TO9 (9/16/10 mw TO9) **Associated ICAL** ~~8290~~ 072110405

Column ID DB-5 **Instrument ID** 405

STD ID STO913C, STO913D **STD Solution** 10 DXN 417

Analyzed by AS **Date Analyzed** 9-14-10

Std. Pkg. By NK **Date Std. Pkg. Assembled** 9-14-10

Std. Pkg. Reviewed By am **Date Std. Pkg. Reviewed** 9-14-10

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: ST0913C File text: ST0913C :CS3 10DXN417
Run #16 Filename 13SE10A4D5 S: 31 I: 1
Acquired: 14-SEP-10 09:29:54 Processed: 14-SEP-10 11:58:04
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	132519500	0.79 y	19:54	-	100.00	-	n
13C-2,3,7,8-TCDF	194275000	0.80 y	19:19	1.47	100.00	19.3	n
2,3,7,8-TCDF	19307220	0.79 y	19:20	0.99	10.00	-0.1	n
Total TCDF	19479645	1.11 n	17:25	0.99	10.00	-0.1	n
13C-2,3,7,8-TCDD	124705700	0.78 y	20:07	0.94	100.00	4.0	n
2,3,7,8-TCDD	12775490	0.77 y	20:09	1.02	10.00	4.2	n
Total TCDD	12906209	0.94 n	15:55	1.02	10.00	4.2	n
37Cl-2,3,7,8-TCDD	15433060	1.00 y	20:09	1.24	10.00	-6.7	n
13C-1,2,3,7,8-PeCDF	121621300	1.55 y	25:09	0.92	100.00	4.8	n
1,2,3,7,8-PeCDF	67113200	1.52 y	25:11	1.10	50.00	2.5	n
2,3,4,7,8-PeCDF	61094400	1.53 y	26:43	1.00	50.00	-3.9	n
Total F2 PeCDF	129289041	1.62 y	23:34	1.05	100.00	-0.7	n
Total F1 PeCDF	45515	0.52 n	15:35	1.05	100.00	-0.7	n
13C-1,2,3,7,8-PeCDD	84626000	1.55 y	27:33	0.64	100.00	-3.4	n
1,2,3,7,8-PeCDD	42031900	1.56 y	27:34	0.99	50.00	7.3	n
Total PeCDD	42054465	2.30 n	25:28	0.99	50.00	7.3	n
13C-1,2,3,7,8,9-HxCDD	76363700	1.28 y	33:20	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	73006300	0.50 y	32:13	0.96	100.00	-8.5	n
1,2,3,4,7,8-HxCDF	48680200	1.24 y	32:14	1.33	50.00	9.6	n
1,2,3,6,7,8-HxCDF	54377400	1.12 y	32:21	1.49	50.00	16.2	n
2,3,4,6,7,8-HxCDF	48331300	1.14 y	32:53	1.32	50.00	7.3	n
1,2,3,7,8,9-HxCDF	43324500	1.17 y	33:31	1.19	50.00	8.1	n
Total HxCDF	194845300	1.30 y	31:12	1.33	200.00	10.4	n
13C-1,2,3,6,7,8-HxCDD	66351300	1.32 y	33:04	0.87	100.00	4.6	n
1,2,3,4,7,8-HxCDD	34744700	1.24 y	33:00	1.05	50.00	1.0	n
1,2,3,6,7,8-HxCDD	40037400	1.27 y	33:05	1.21	50.00	3.8	n
1,2,3,7,8,9-HxCDD	40165200	1.27 y	33:21	1.21	50.00	2.5	n
Total HxCDD	114947300	1.24 y	33:00	1.15	150.00	2.5	n
13C-1,2,3,4,6,7,8-HpCDF	65194700	0.44 y	34:52	0.85	100.00	-6.2	n
1,2,3,4,6,7,8-HpCDF	49583300	1.06 y	34:53	1.52	50.00	13.0	n
1,2,3,4,7,8,9-HpCDF	41495300	1.05 y	36:02	1.27	50.00	16.4	n
Total HpCDF	91673664	1.06 y	34:53	1.40	100.00	14.5	n
13C-1,2,3,4,6,7,8-HpCDD	60292900	1.05 y	35:41	0.79	100.00	-4.5	n
1,2,3,4,6,7,8-HpCDD	34700000	1.02 y	35:42	1.15	50.00	7.4	n
Total HpCDD	35012769	1.12 y	35:08	1.15	50.00	7.4	n
13C-OCDD	86423300	0.88 y	38:16	0.57	200.00	-8.7	n
OCDF	63060000	0.90 y	38:22	1.46	100.00	6.5	n
OCDD	51582400	0.90 y	38:17	1.19	100.00	-0.5	n

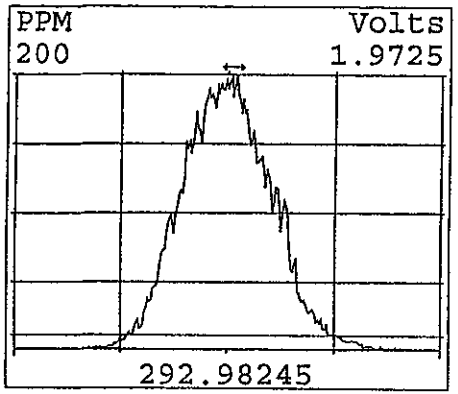
Run text: ST0913D File text: ST0913D :CS3 10DXN417
Run #19 Filename 13SE10A4D5 S: 46 I: 1
Acquired: 14-SEP-10 20:38:48 Processed: 16-SEP-10 15:25:16
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5 Results: 13SE10A4D5TO9

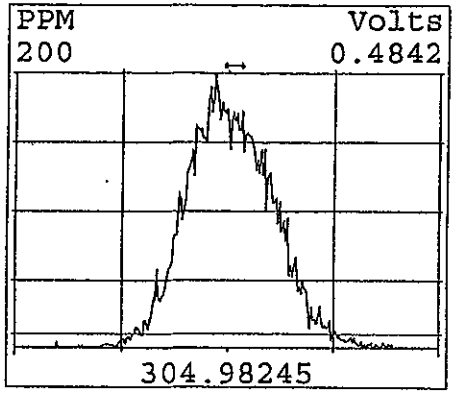
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	131279944	0.81	y	19:54	-	100.00	-	n
13C-2,3,7,8-TCDF	195195328	0.80	y	19:19	1.49	100.00	20.9	n
2,3,7,8-TCDF	19300181	0.77	y	19:20	0.99	10.00	-0.6	n
Total TCDF	19488282	0.98	n	18:18	0.99	10.00	-0.6	n
13C-2,3,7,8-TCDD	125440440	0.76	y	20:08	0.96	100.00	5.6	n
2,3,7,8-TCDD	12954236	0.77	y	20:08	1.03	10.00	5.0	n
Total TCDD	13070614	0.89	n	18:52	1.03	10.00	5.0	n
37Cl-2,3,7,8-TCDD	15899503	1.00	y	20:08	1.27	10.00	-4.4	n
13C-1,2,3,7,8-PeCDF	123224420	1.57	y	25:09	0.94	100.00	7.1	n
1,2,3,7,8-PeCDF	68121666	1.54	y	25:10	1.11	50.00	2.7	n
2,3,4,7,8-PeCDF	64019486	1.54	y	26:43	1.04	50.00	-0.6	n
Total F2 PeCDF	133256799	1.11	n	23:33	1.07	100.00	1.1	n
Total F1 PeCDF	28956	0.20	n	16:58	1.07	100.00	1.1	n
13C-1,2,3,7,8-PeCDD	85081022	1.56	y	27:32	0.65	100.00	-1.9	n
1,2,3,7,8-PeCDD	42056945	1.55	y	27:34	0.99	50.00	6.8	n
Total PeCDD	42181489	1.55	y	27:34	0.99	50.00	6.8	n
13C-1,2,3,7,8,9-HxCDD	82439816	1.31	y	33:20	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	82076004	0.49	y	32:13	1.00	100.00	-4.7	n
1,2,3,4,7,8-HxCDF	51917764	1.16	y	32:14	1.27	50.00	3.9	n
1,2,3,6,7,8-HxCDF	53779908	1.19	y	32:21	1.31	50.00	2.3	n
2,3,4,6,7,8-HxCDF	51732860	1.18	y	32:53	1.26	50.00	2.2	n
1,2,3,7,8,9-HxCDF	46442512	1.17	y	33:31	1.13	50.00	3.1	n
Total HxCDF	203988907	1.10	y	31:11	1.24	200.00	2.8	n
13C-1,2,3,6,7,8-HxCDD	70865122	1.31	y	33:04	0.86	100.00	3.5	n
1,2,3,4,7,8-HxCDD	36428411	1.25	y	33:00	1.03	50.00	-0.9	n
1,2,3,6,7,8-HxCDD	42143498	1.28	y	33:05	1.19	50.00	2.3	n
1,2,3,7,8,9-HxCDD	43596174	1.27	y	33:20	1.23	50.00	4.1	n
Total HxCDD	122168083	1.25	y	33:00	1.15	150.00	2.0	n
13C-1,2,3,4,6,7,8-HpCDF	73253548	0.43	y	34:52	0.89	100.00	-2.4	n
1,2,3,4,6,7,8-HpCDF	55517826	1.04	y	34:52	1.52	50.00	12.6	n
1,2,3,4,7,8,9-HpCDF	45258216	1.05	y	36:02	1.24	50.00	13.0	n
Total HpCDF	101471525	1.04	y	34:52	1.38	100.00	12.8	n
13C-1,2,3,4,6,7,8-HpCDD	67041932	1.05	y	35:41	0.81	100.00	-1.6	n
1,2,3,4,6,7,8-HpCDD	38343624	1.02	y	35:42	1.14	50.00	6.7	n
Total HpCDD	38616799	0.88	n	35:08	1.14	50.00	6.7	n
13C-OCDD	96107452	0.89	y	38:16	0.58	200.00	-6.0	n
OCDF	68738844	0.89	y	38:23	1.43	100.00	4.4	n
OCDD	57419950	0.89	y	38:17	1.19	100.00	-0.4	n

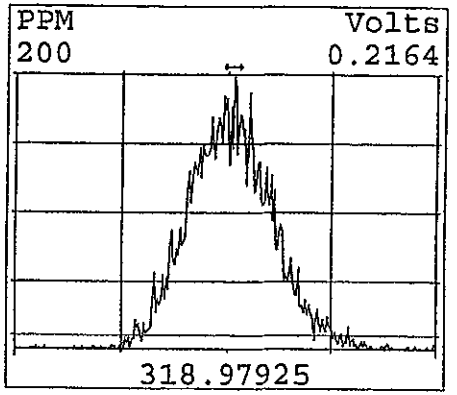
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
13SE10A4D5	1	CP0913	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	2	ST0913	CS3 10DXN417				1.00000	
13SE10A4D5	3	L6RV3-1-AA	G0I100000-188 (493-3MB)	20	8290/SOLID	35	10.00000	g
13SE10A4D5	4	L540Q-1-AC	G0H250518-1	20	8290/SOLID		5.91000	g
13SE10A4D5	5	L540T-1-AC	G0H250518-2	20	8290/SOLID		5.35000	g
13SE10A4D5	6	L540V-1-AC	G0H250518-3	20	8290/SOLID		5.77000	g
13SE10A4D5	7	L540W-1-AC	G0H250518-4	20	8290/SOLID		5.91000	g
13SE10A4D5	8	L5400-1-AC	G0H250518-5	20	8290/SOLID		5.70000	g
13SE10A4D5	9	L5401-1-AC	G0H250518-6	20	8290/SOLID		5.03000	g
13SE10A4D5	10	L5402-1-AA	G0H250518-7	20	8290/WATER	30	1.04266	L
13SE10A4D5	11	L6RV3-1-AC	G0I100000-188 (493-3LCS)	20	8290/SOLID	35	10.00000	g
13SE10A4D5	12	L6J7M-1-AD	G0I030604-2 (10X)	20	8290/SOLID	25	10.38000	g
13SE10A4D5	13	L57W6-1-AC	G0H270000-208 (488-LCS)	20	8290/WATER	18	1.00000	L
13SE10A4D5	14	L57W6-1-AA	G0H270000-208 (488-MB)	20	8290/WATER		1.00000	L
13SE10A4D5	15	ST0913A	CS3 10DXN417				1.00000	
13SE10A4D5	16	ST0913B	CS3 10DXN417				1.00000	
13SE10A4D5	17	CP0913A	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	18	L6QEG-1-AA	G0H270000-314 (445-MB)	20	8290A/SOLID	R77	10.00000	g
13SE10A4D5	19	L6QEG-1-AC	G0H270000-314 (445-LCS)	20	8290A/SOLID		10.00000	g
13SE10A4D5	20	L50XJ-1-AA	A0H210445-1	20	8290A/SOLID		9.87000	g
13SE10A4D5	21	L54RX-1-AA	G0H250488-1	20	8290/WATER	18	1.00538	L
13SE10A4D5	22	L54R5-1-AA	G0H250491-1	20	8290/WATER		1.01906	L
13SE10A4D5	23	L6K6V-1-AA	G0I040476-1	20	TO-9/AIR	33	0.50000	sam
13SE10A4D5	24	L6K6W-1-AA	G0I040476-2	20	TO-9/AIR		0.50000	sam
13SE10A4D5	25	L6K6X-1-AA	G0I040476-3	20	TO-9/AIR		0.50000	sam
13SE10A4D5	26	L6K60-1-AA	G0I040476-4	20	TO-9/AIR		0.50000	sam
13SE10A4D5	27	L6K60-1-AA	G0I040476-5	20	TO-9/AIR		0.50000	sam
13SE10A4D5	28	L6K61-1-AA	G0I040476-6	20	TO-9/AIR		0.50000	sam
13SE10A4D5	29	L6L6Q-1-AC	G0I040476-1LCS	20	TO-9/AIR		0.50000	sam
13SE10A4D5	30	L6L6Q-1-AD	G0I040476-1DCS	20	TO-9/AIR		0.50000	sam
13SE10A4D5	31	ST0913C ✓	CS3 10DXN417				1.00000	
13SE10A4D5	32	CP0913B	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	33	L6L6Q-1-AA	G0I040476-1MB		TO-9/AIR	33	0.50000	sam
13SE10A4D5	34	L577W-1-AE	F0H270498-1	20	8290/SOLID	34	10.17500	g
13SE10A4D5	35	L579C-1-AE	F0H270498-2	20	8290/SOLID		10.26500	g
13SE10A4D5	36	L579T-1-AE	F0H270498-6	20	8290/SOLID		10.02500	g
13SE10A4D5	37	L6L0M-1-AC	F0H270498-1LCS	20	8290/SOLID		10.00000	g
13SE10A4D5	38	L6L0M-1-AA	F0H270498-1MB	20	8290/SOLID		10.00000	g
13SE10A4D5	39	L6NP5-1-AD	G0I080557-1	20	8290/SOLID	34	10.58000	g
13SE10A4D5	40	L6NP6-1-AD	G0I080557-2	20	8290/SOLID		10.36000	g
13SE10A4D5	41	L6NQ3-1-AD	G0I080561-1	20	8290/SOLID	34	9.76000	g
13SE10A4D5	42	L6NQ6-1-AD	G0I080561-2	20	8290/SOLID		10.20000	g
13SE10A4D5	43	L6NQ7-1-AD	G0I080562-1	20	8290/SOLID	34	9.96000	g
13SE10A4D5	44	L6NRA-1-AD	G0I080562-2	20	8290/SOLID		10.30000	g
13SE10A4D5	45	L6QC1-1-AC	G0I090000-306 (557-LCS)	20	8290/SOLID		10.00000	g
13SE10A4D5	46	ST0913D ✓	CS3 10DXN417				1.00000	
13SE10A4D5	47	CP0913B	DB-5 CPSM 3732-08				1.00000	
13SE10A4D5	48	L6QC1-1-AA	G0I090000-306 (557-MB)	20	8290/SOLID	34	10.00000	g
13SE10A4D5	49	L6NQH-1-AD	G0I080560-1	20	8290/SOLID	34	10.00000	g
13SE10A4D5	50	L6NQQ-1-AD	G0I080560-2	20	8290/SOLID		10.08000	g
13SE10A4D5	51	L6NRH-1-AD	G0I080565-1	20	8290/SOLID		9.92000	g
13SE10A4D5	52	L6NRL-1-AD	G0I080565-2	20	8290/SOLID		10.24000	g
13SE10A4D5	53	L6NRN-1-AD	G0I080566-1	20	8290/SOLID	34	10.10000	g

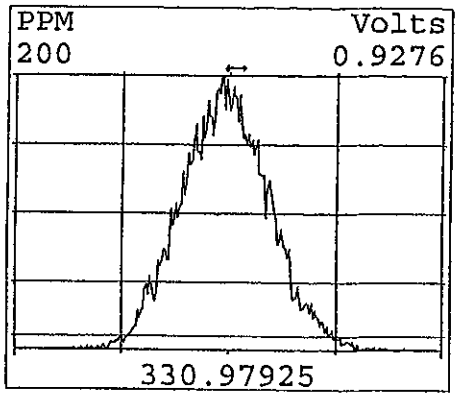
13SE10A4D5 54	L6NRR-1-AD	G0I080566-2	20	8290/SOLID		9.91000 g
13SE10A4D5 55	L6NRT-1-AD	G0I080566-1	20	8290/SOLID		9.98000 g
13SE10A4D5 56	L6NRW-1-AD	G0I080566-2	20	8290/SOLID		9.98000 g
13SE10A4D5 57	L5815-1-AC	G0H0280420-1	20	8290/SOLID	28	10.84000 g
3SE10A4D5 58	L5819-1-AC	G0H0280420-2	20	8290/SOLID		10.22000 g
13SE10A4D5 59	L582C-1-AC	G0H0280420-3	20	8290/SOLID		10.77000 g
13SE10A4D5 60	SB0913	Solvent Blank c-14				1.00000
13SE10A4D5 61	ST0913E	CS3 10DXN417				1.00000
13SE10A4D5 62	CP0913B	DB-5 CPSM 3732-08				1.00000
13SE10A4D5 63	SB0913A	Solvent Blank c-14				1.00000
13SE10A4D5 64	L582E-1-AC	G0H0280420-4	20	8290/SOLID	28	10.71000 g
13SE10A4D5 65	L582G-1-AC	G0H0280420-5	20	8290/SOLID		10.40000 g
13SE10A4D5 66	L582H-1-AC	G0H0280420-6	20	8290/SOLID		10.04000 g
13SE10A4D5 67						1.00000
13SE10A4D5 68						1.00000
13SE10A4D5 69						1.00000
13SE10A4D5 70		AS 09-13-10				1.00000

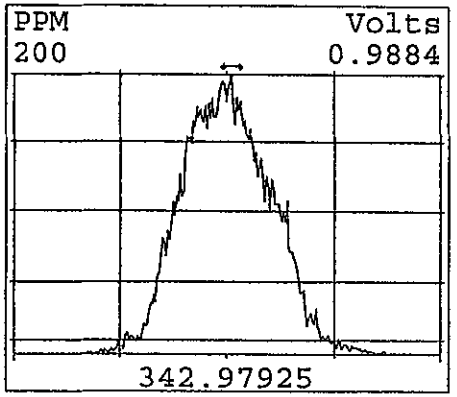
Peak Locate Examination:13-SEP-2010:11:09 File:13SE10A4D5
Experiment:DIOXINRES Function:1 Reference:PFK

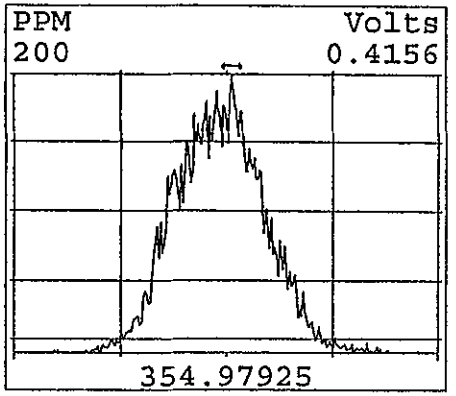


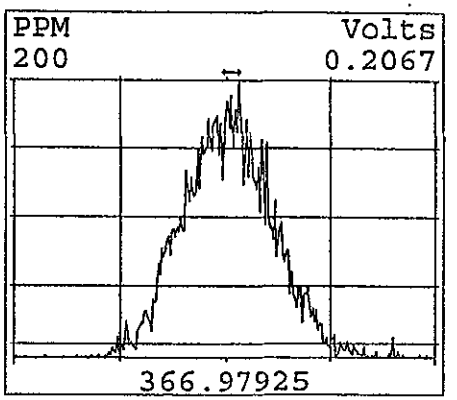


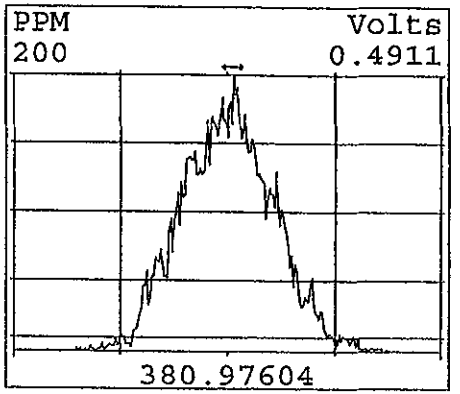


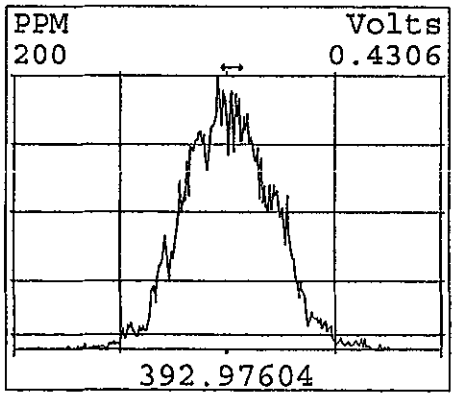


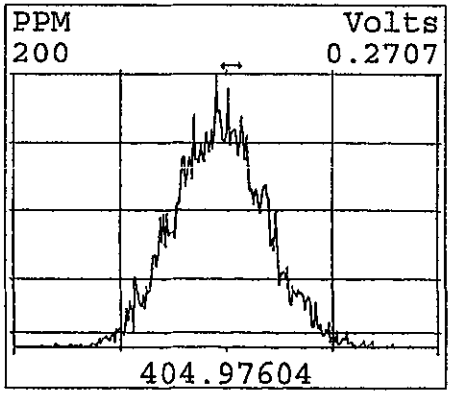


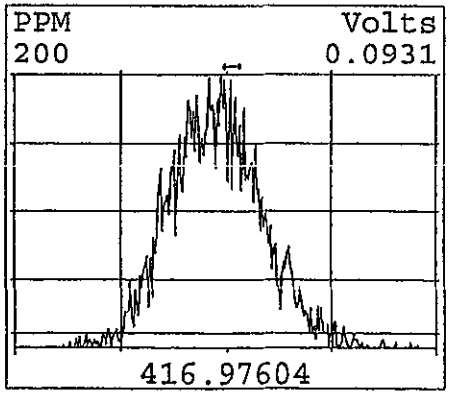




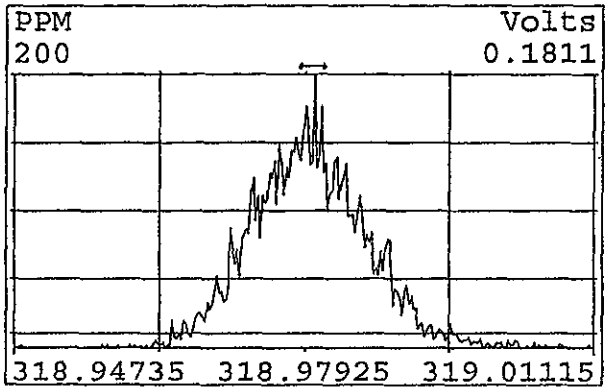


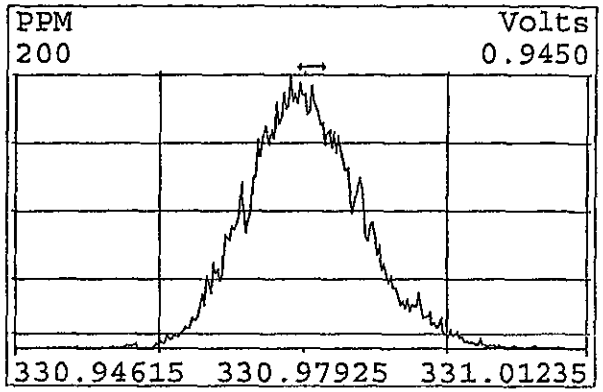


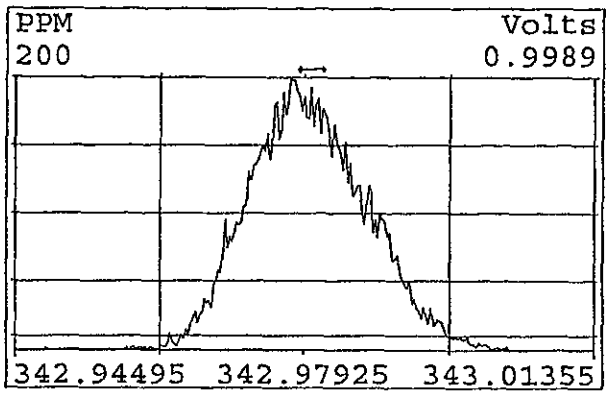


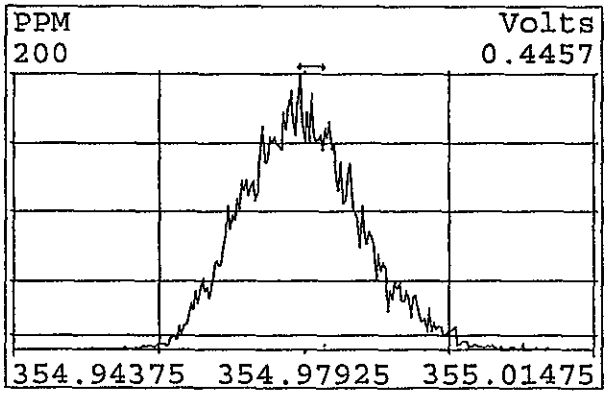


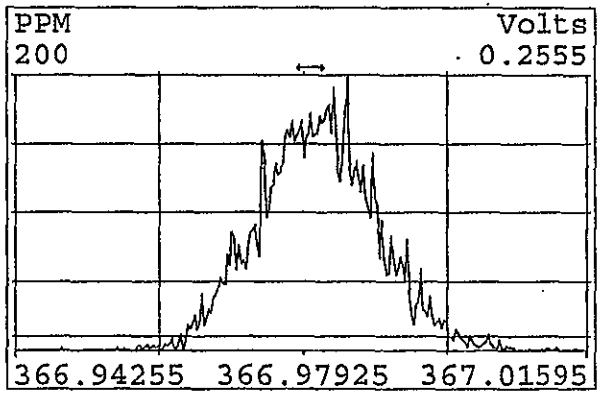
Peak Locate Examination:13-SEP-2010:11:10 File:13SE10A4D5
Experiment:DIOXINRES Function:2 Reference:PFK

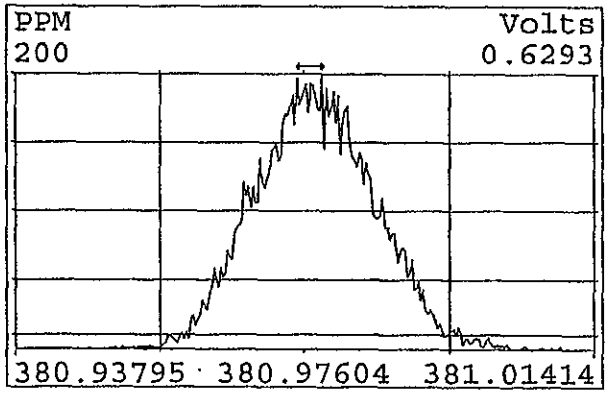


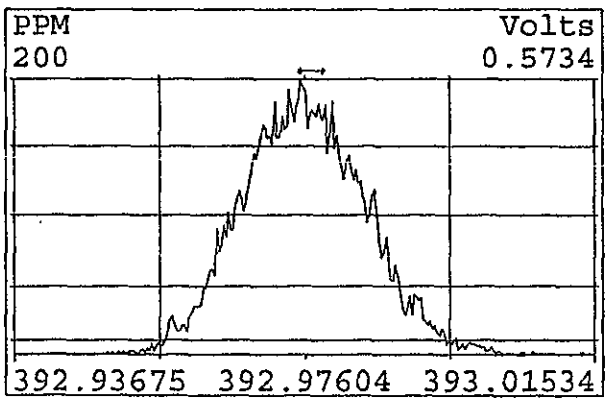


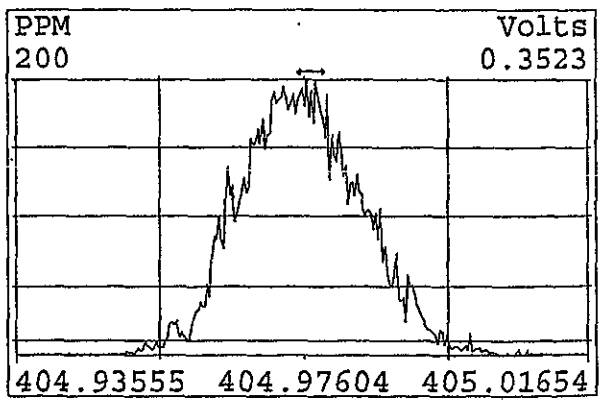


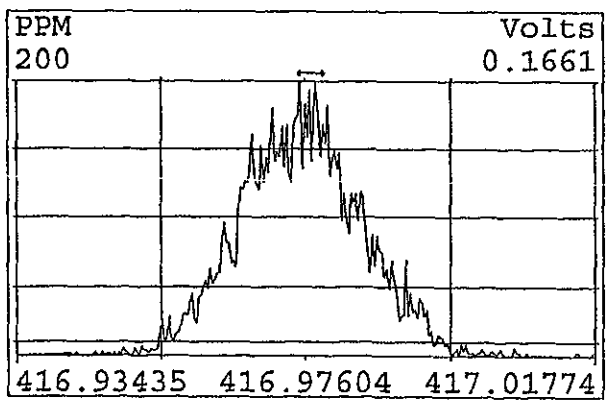




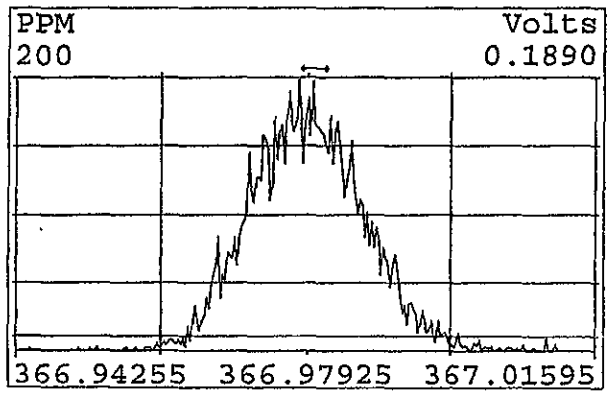


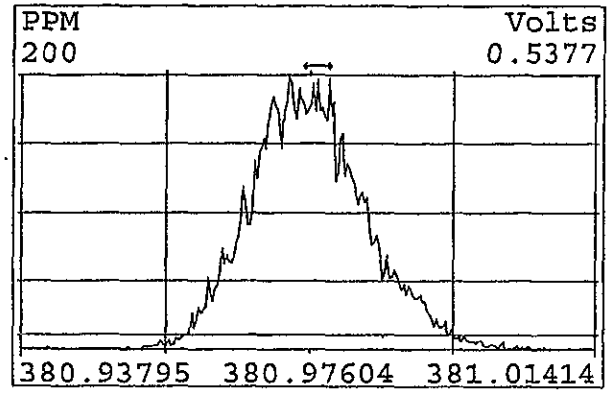


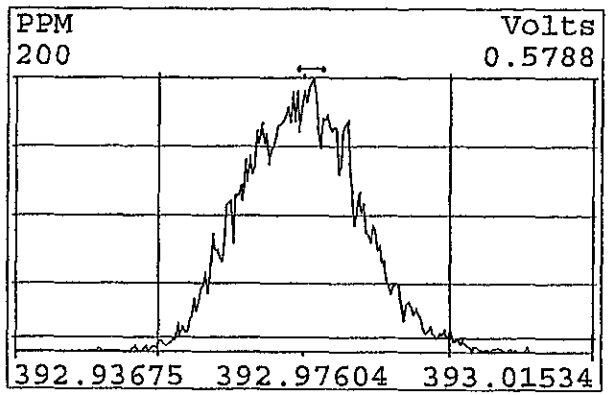


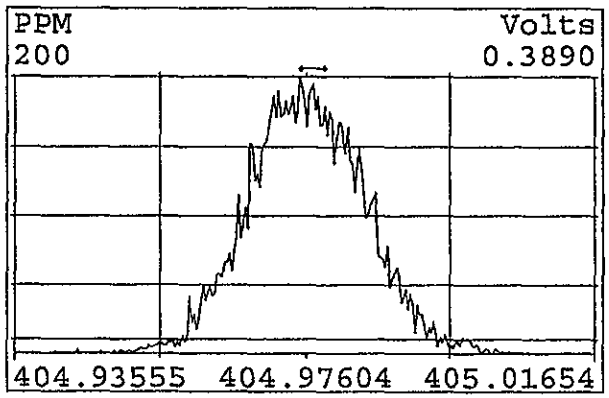


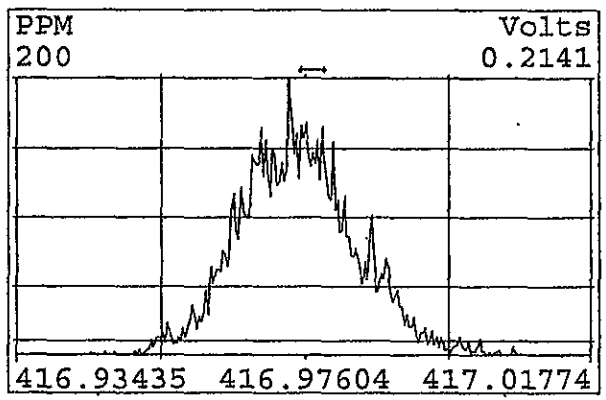
Peak Locate Examination:13-SEP-2010:11:10 File:13SE10A4D5
Experiment:DIOXINRES Function:3 Reference:PFK

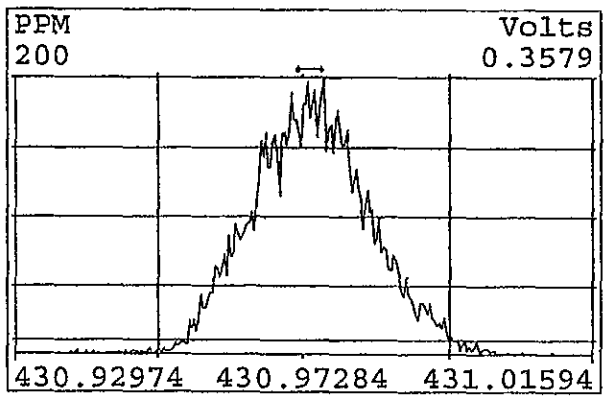


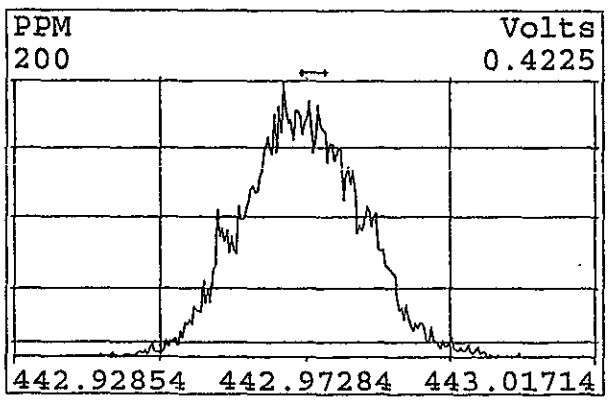


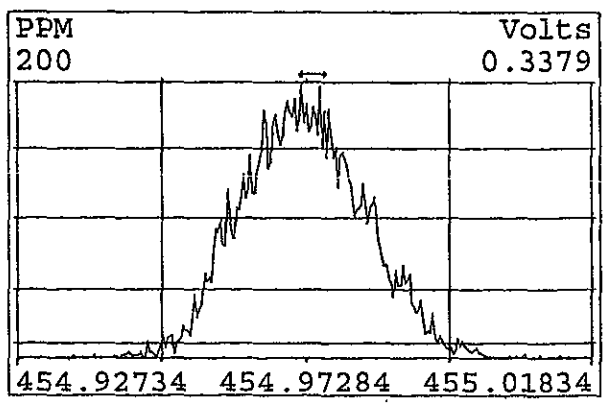




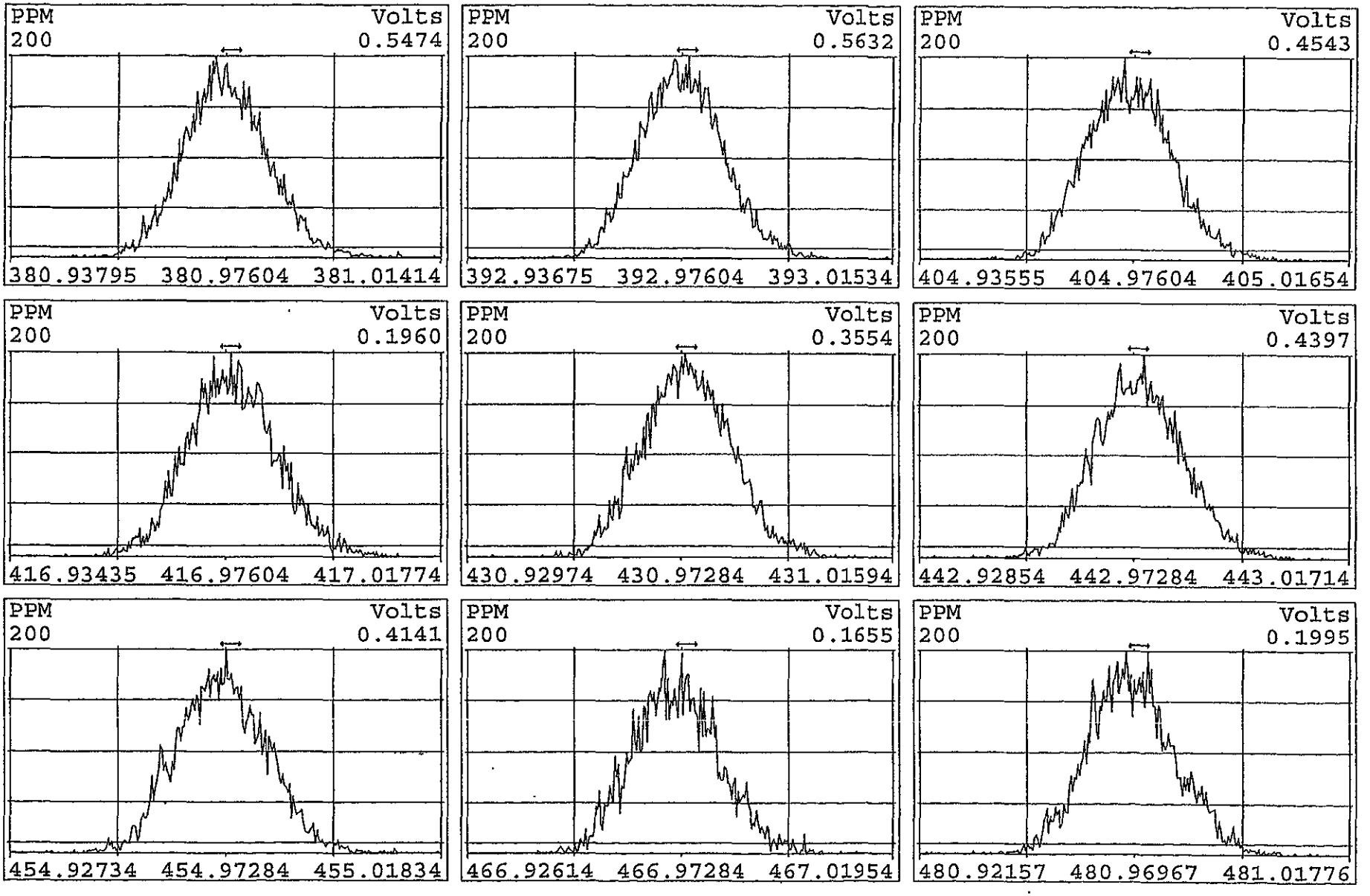




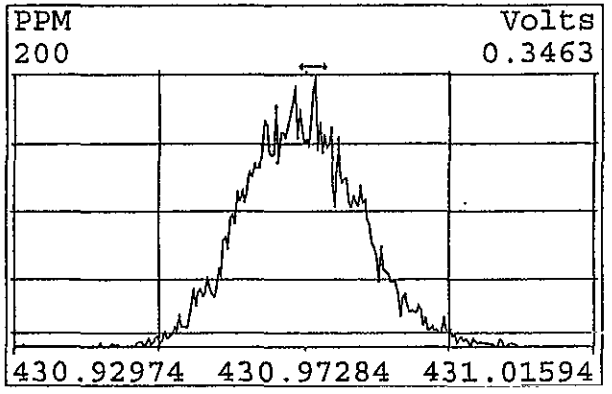


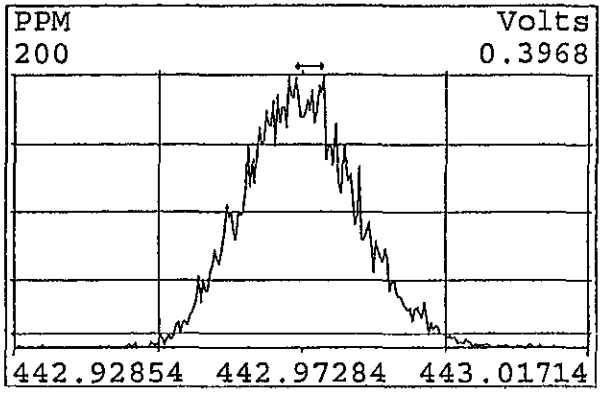


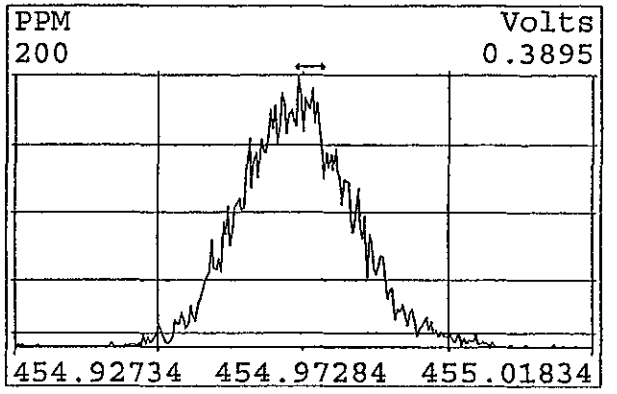
Peak Locate Examination:13-SEP-2010:11:10 File:13SE10A4D5
Experiment:DIOXINRES Function:4 Reference:PFK

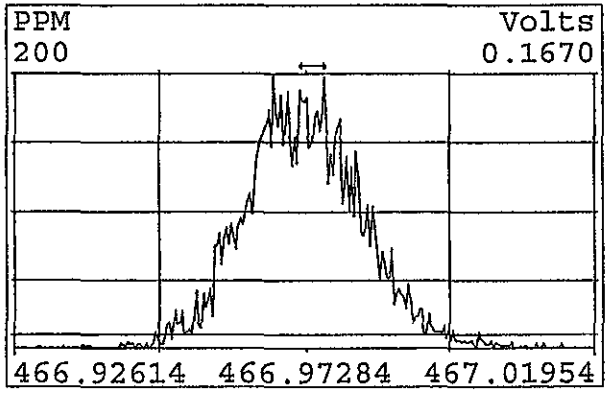


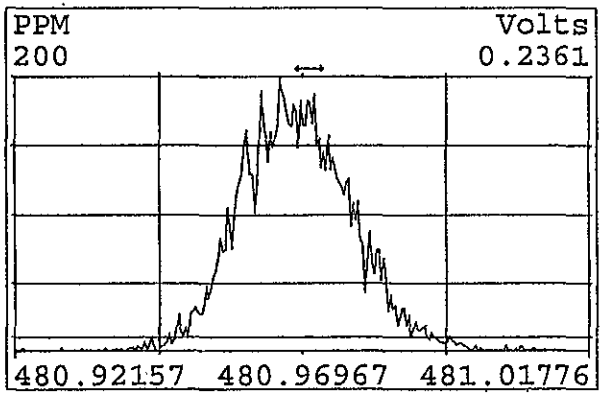
Peak Locate Examination:13-SEP-2010:11:11 File:13SE10A4D5
Experiment:DIOXINRES Function:5 Reference:PFK

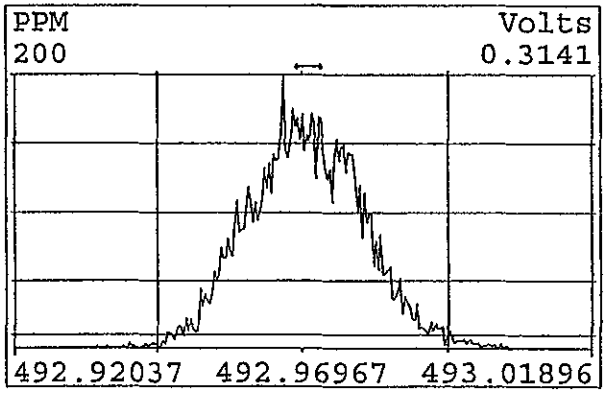


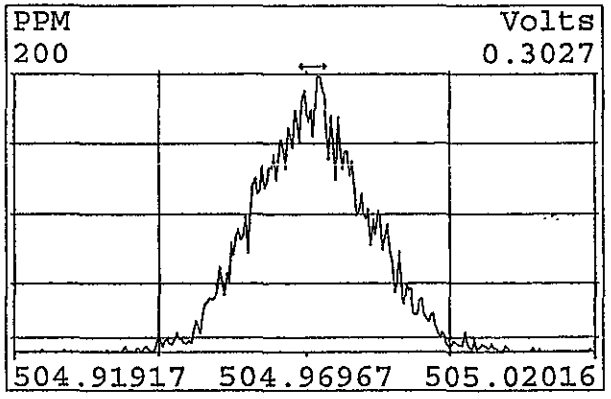


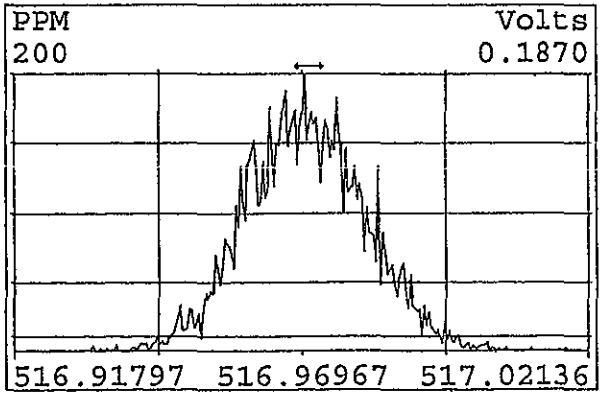




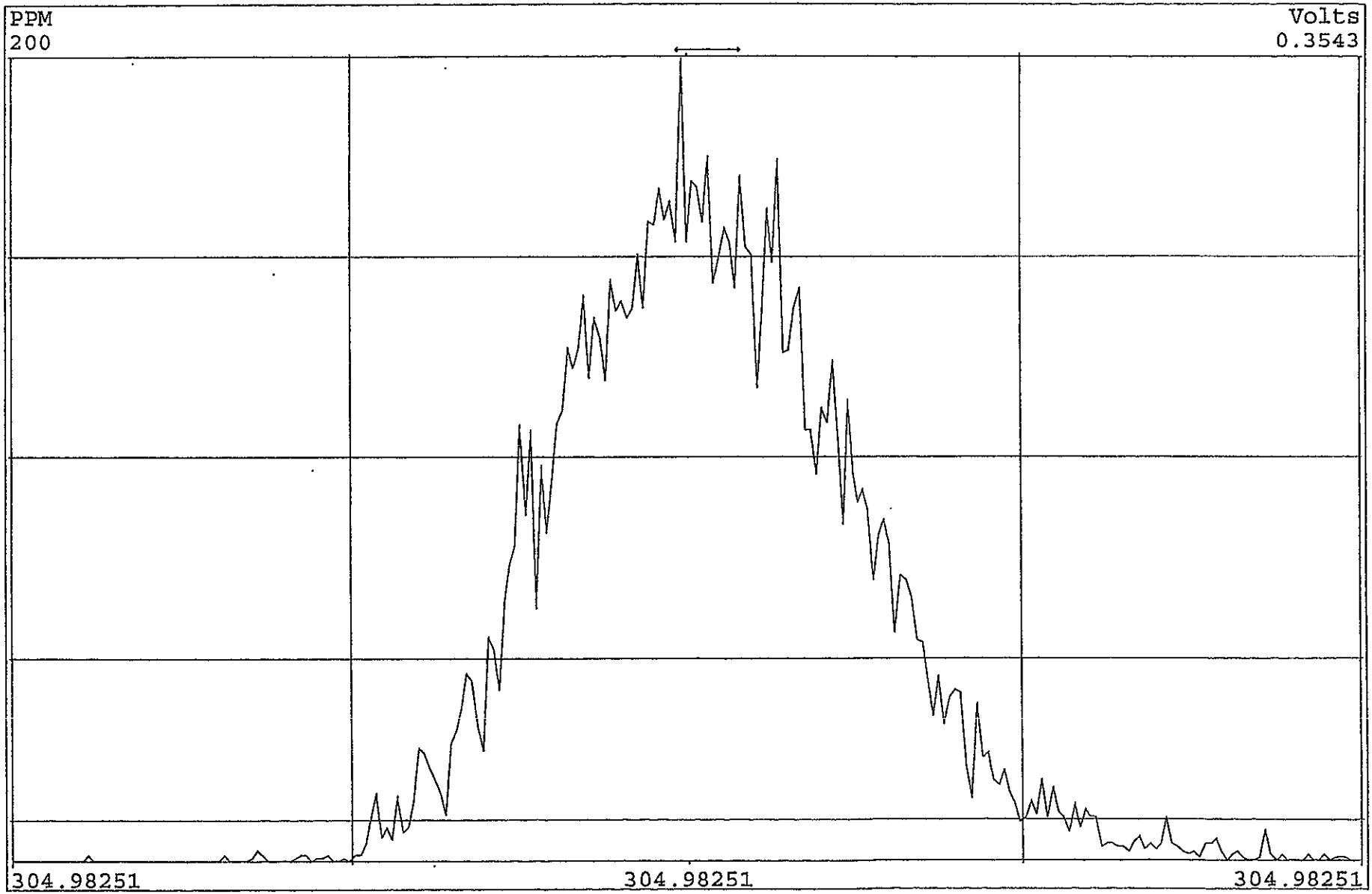




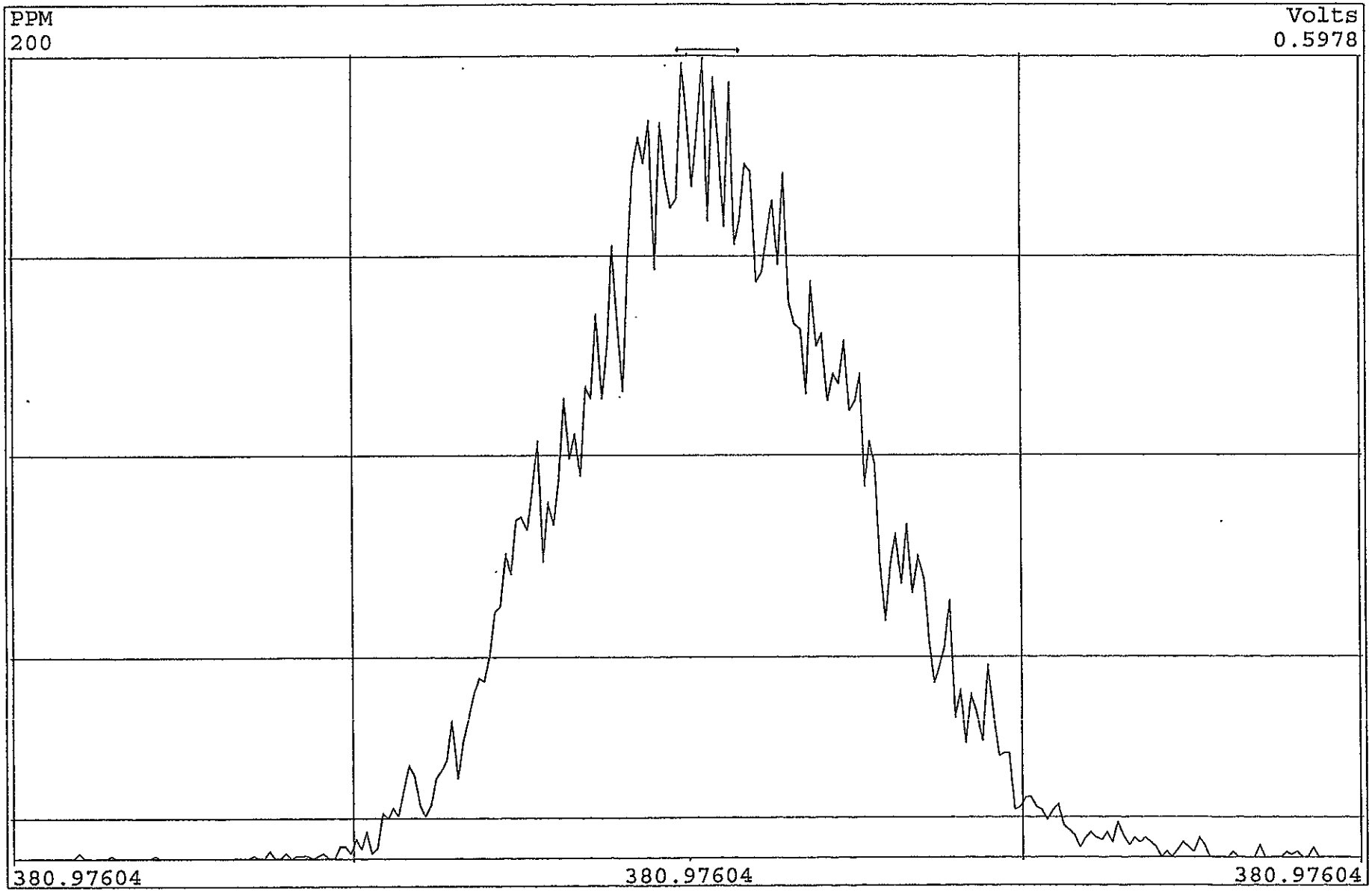




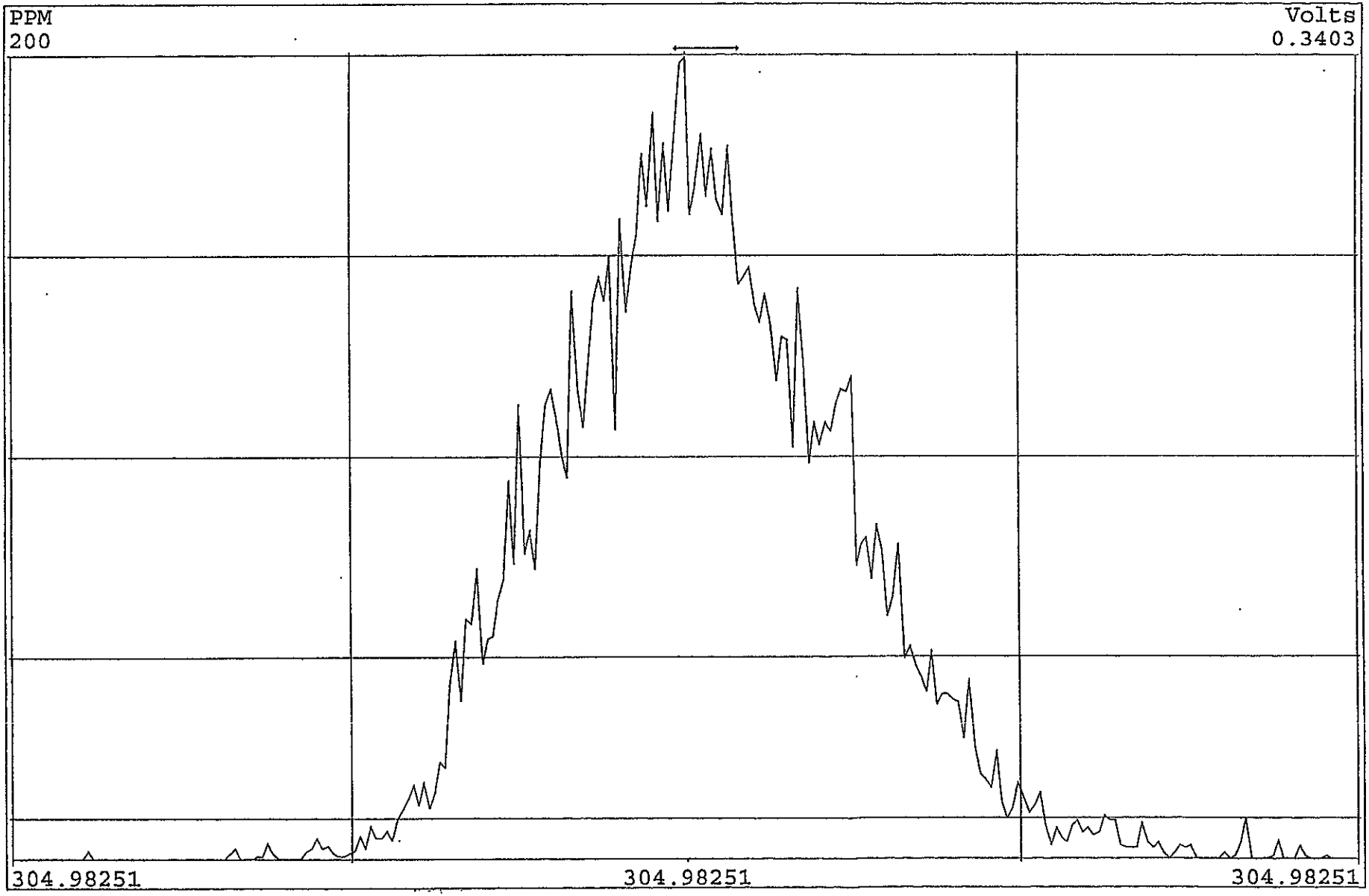
SIRLM Examination:13-SEP-2010:21:33 File:13SE10A4D5
Experiment:DIOXINRES Function:7



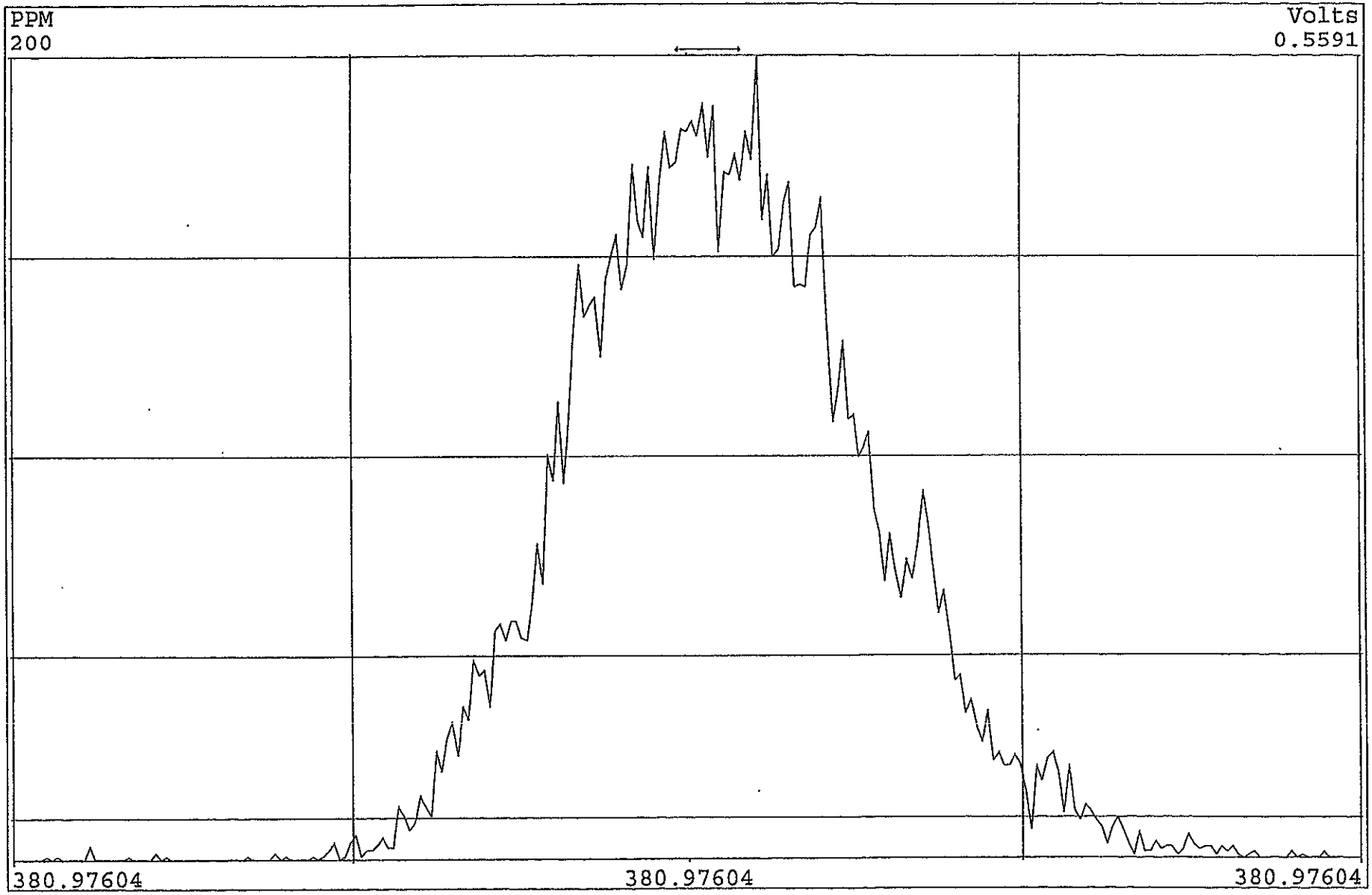
SIRLM Examination:13-SEP-2010:21:32 File:13SE10A4D5
Experiment:DIOXINRES Function:6



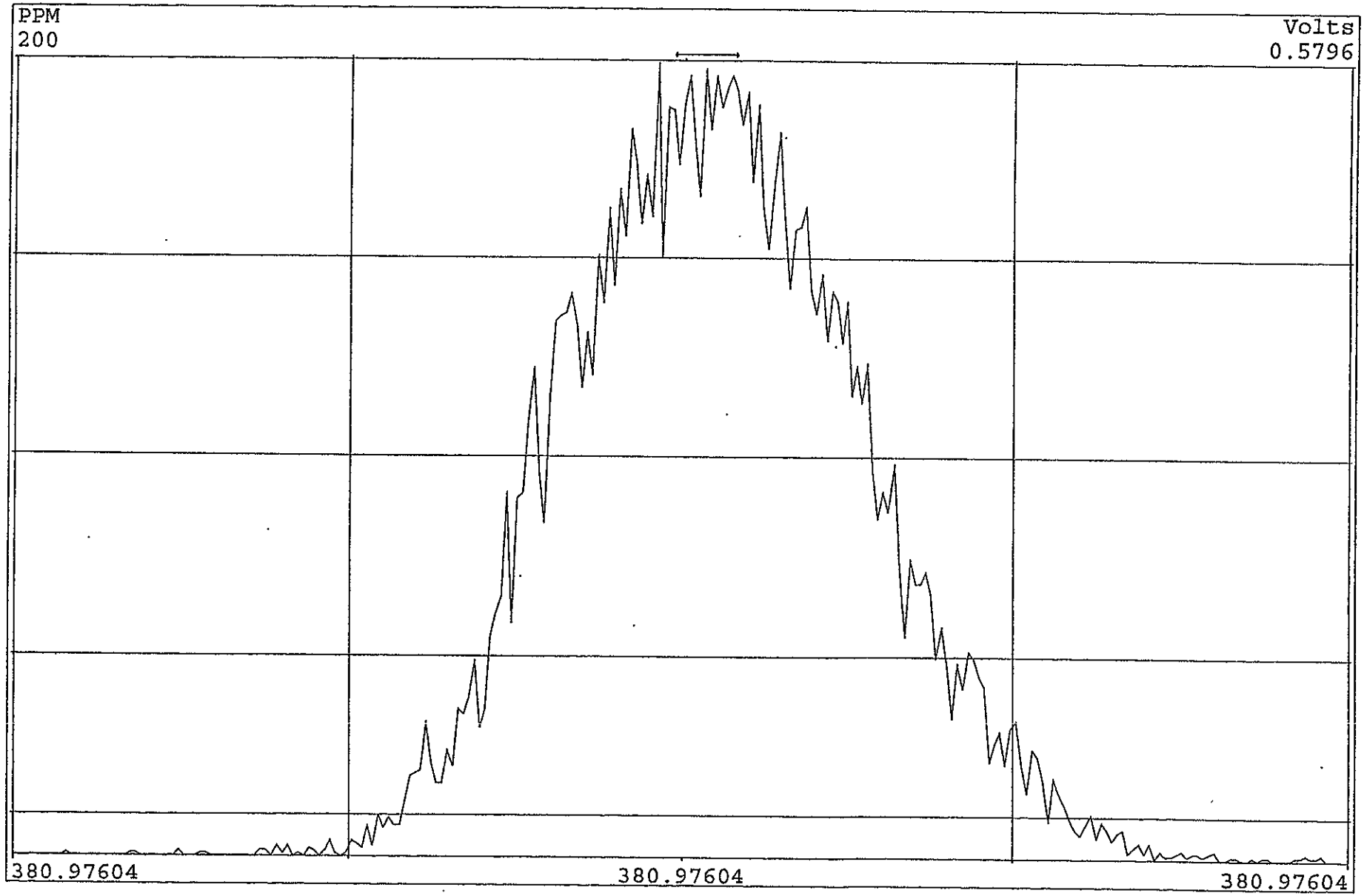
SIRLM Examination:13-SEP-2010:22:18 File:13SE10A4D5
Experiment:DIOXINRES Function:7



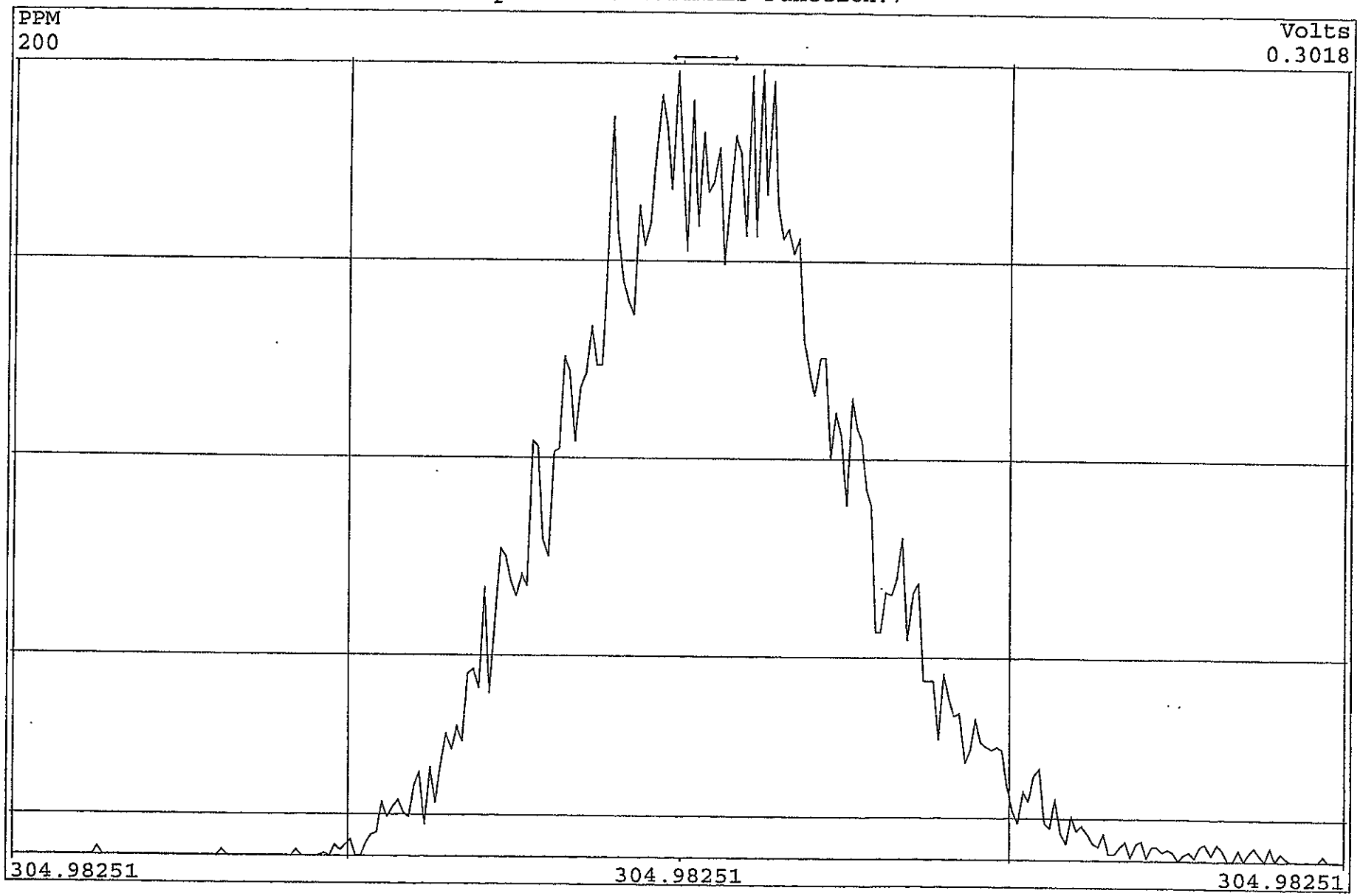
SIRLM Examination:13-SEP-2010:22:17 File:13SE10A4D5
Experiment:DIOXINRES Function:6



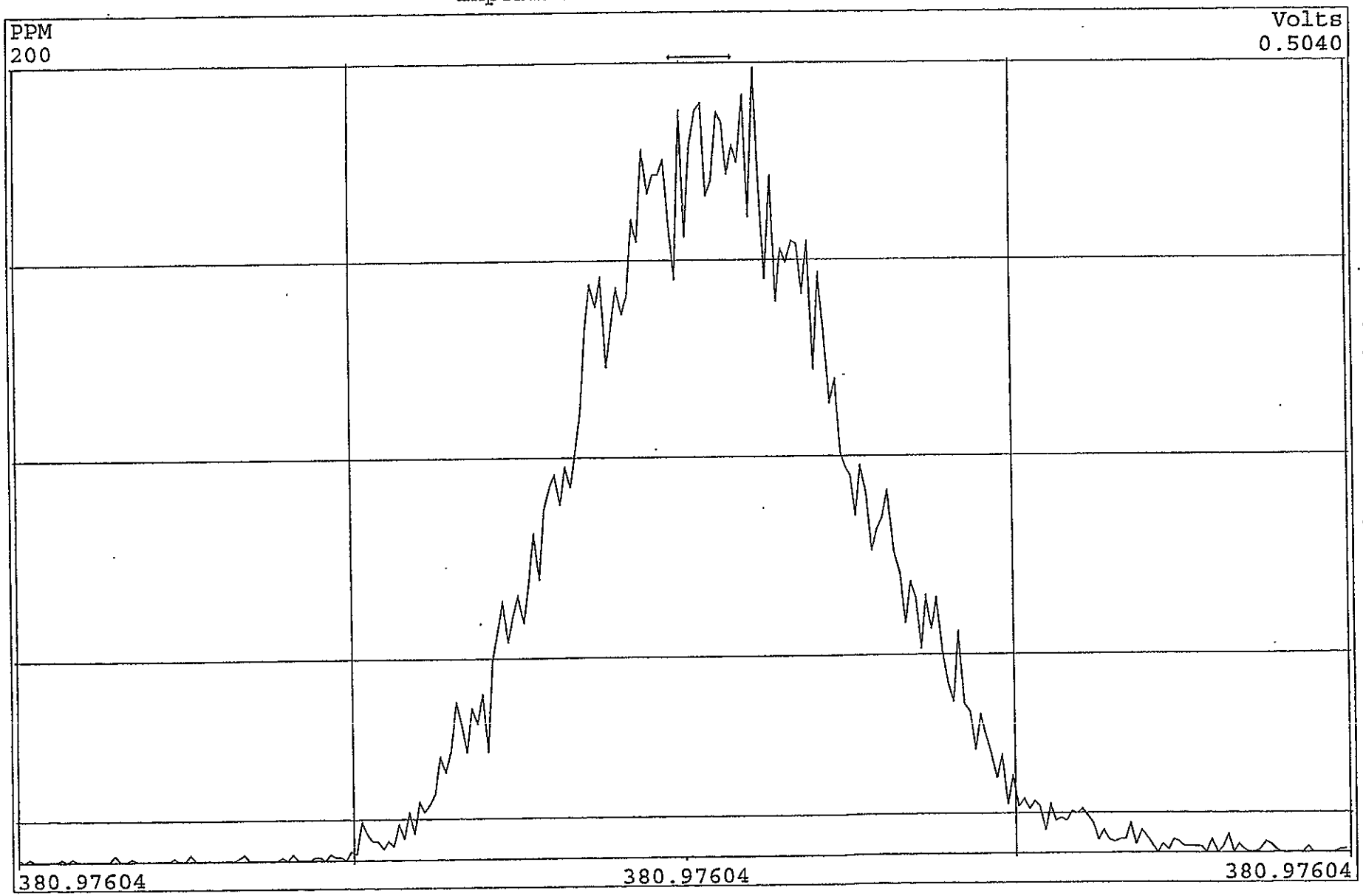
SIRLM Examination:13-SEP-2010:23:01 File:13SE10A4D5
Experiment:DIOXINRES Function:6



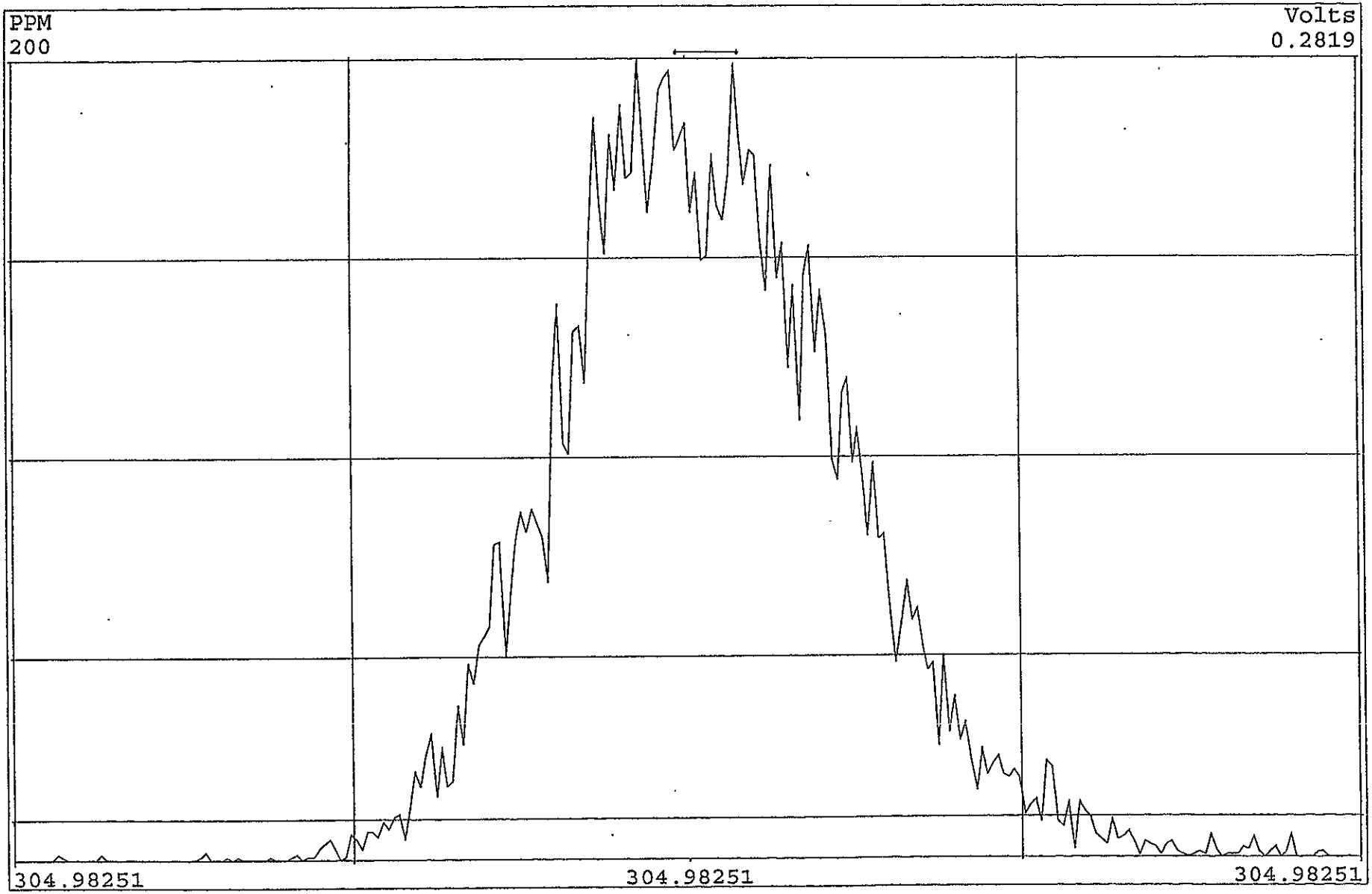
SIRLM Examination:13-SEP-2010:23:02 File:13SE10A4D5
Experiment:DIOXINRES Function:7



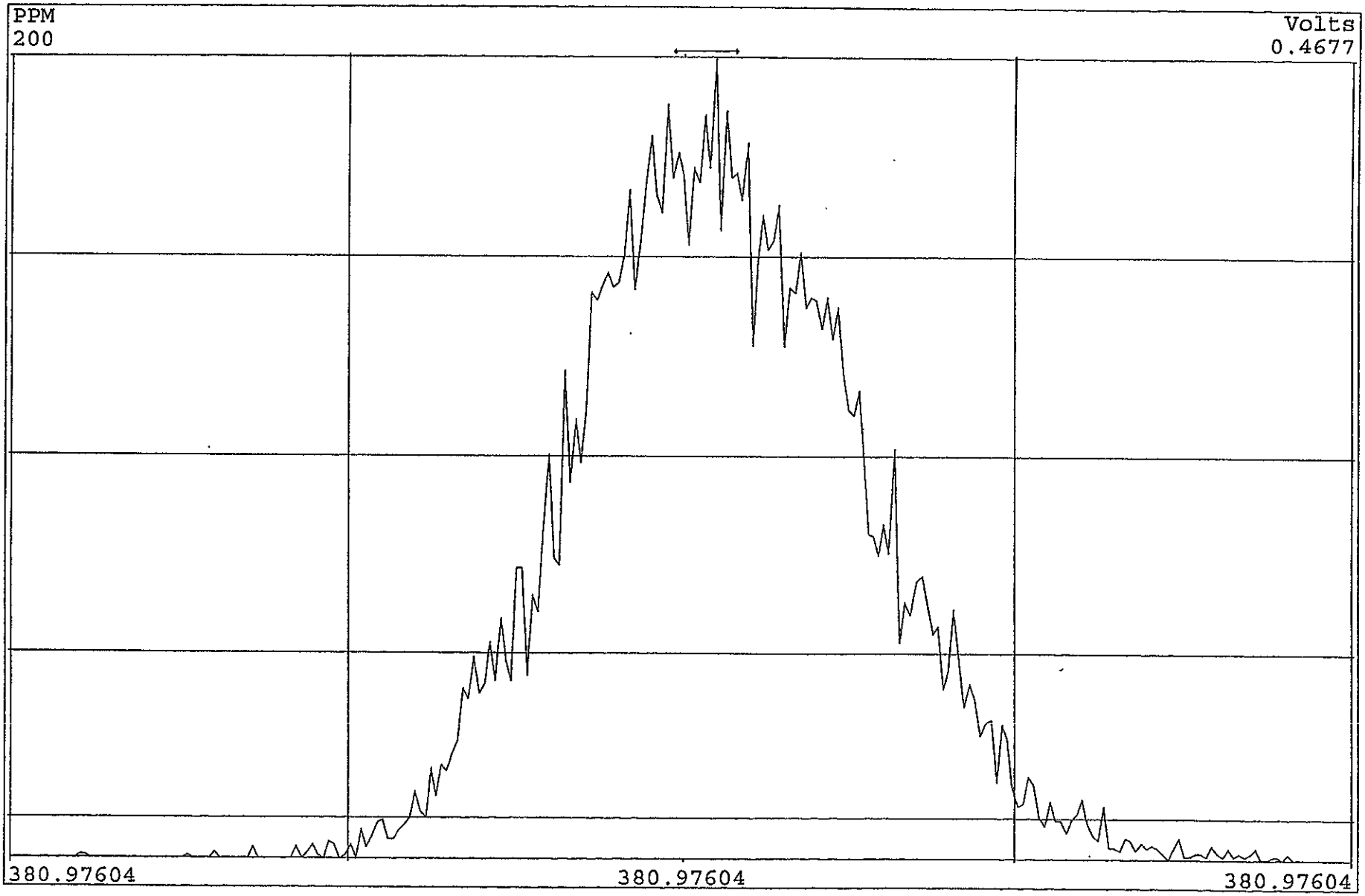
SIRLM Examination:14-SEP-2010:09:25 File:13SE10A4D5
Experiment:DIOXINRES Function:6



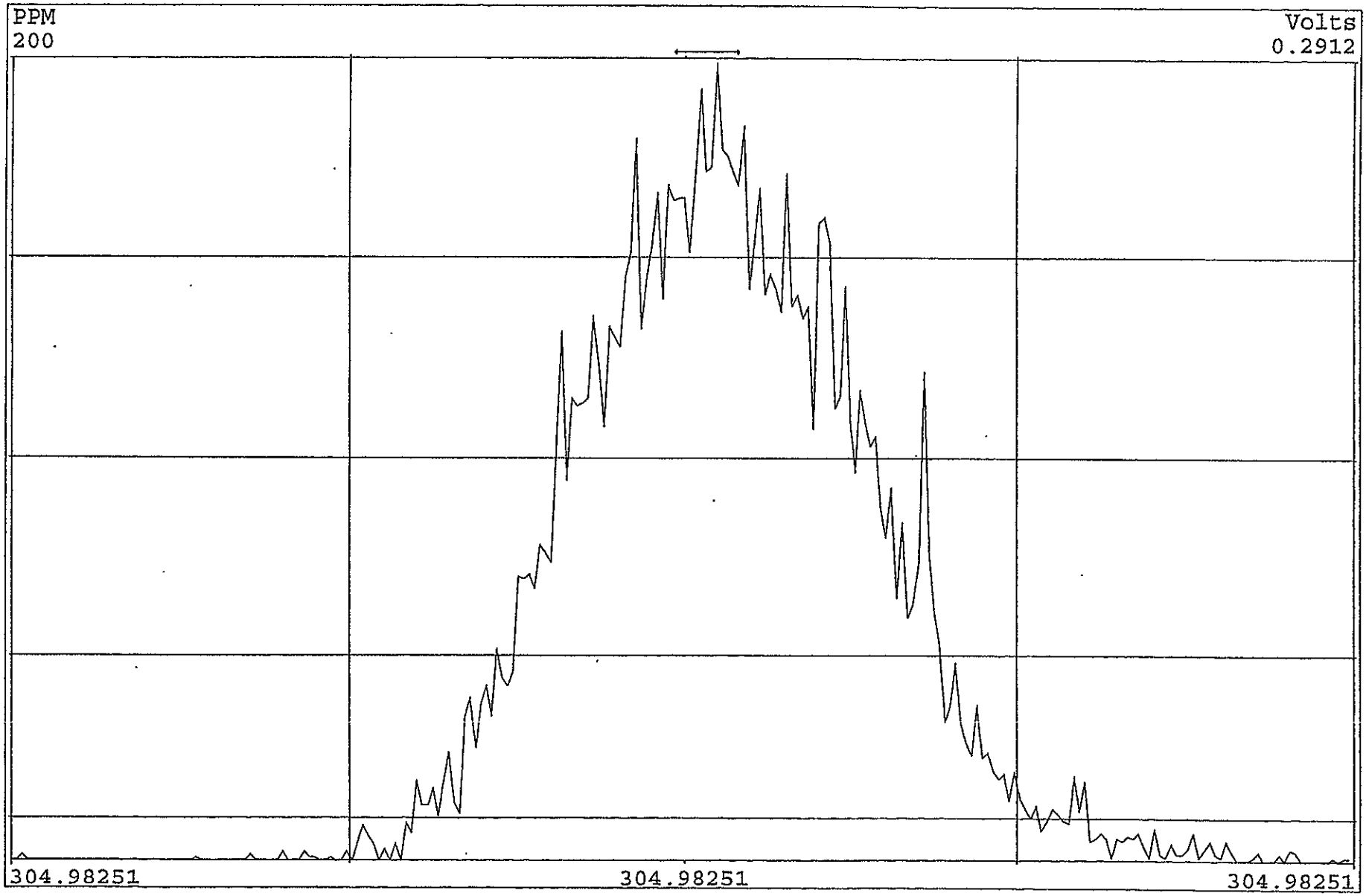
SIRLM Examination:14-SEP-2010:09:26 File:13SE10A4D5
Experiment:DIOXINRES Function:7



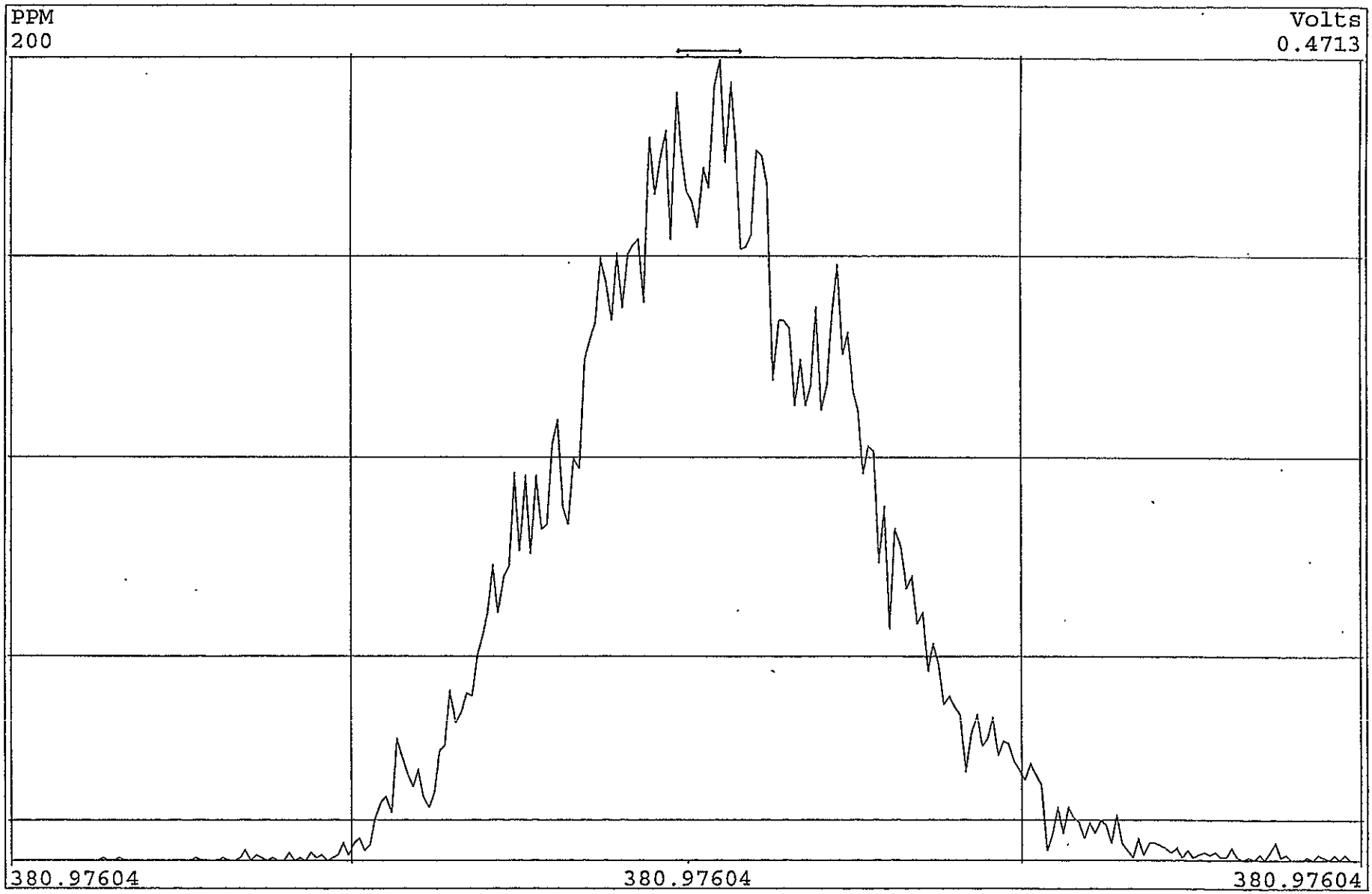
SIRLM Examination:14-SEP-2010:10:10 File:13SE10A4D5
Experiment:DIOXINRES Function:6



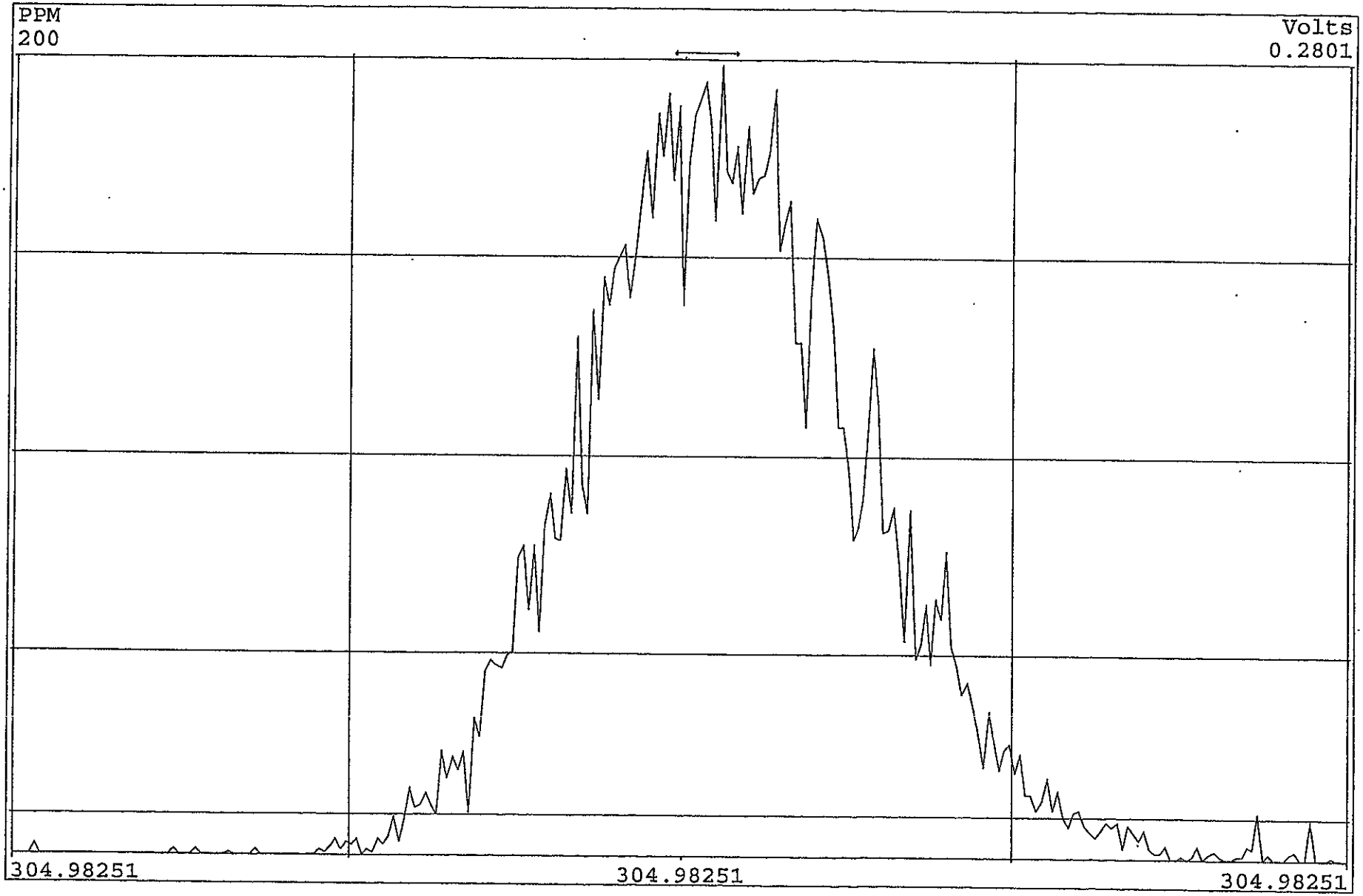
SIRLM Examination:14-SEP-2010:10:11 File:13SE10A4D5
Experiment:DIOXINRES Function:7



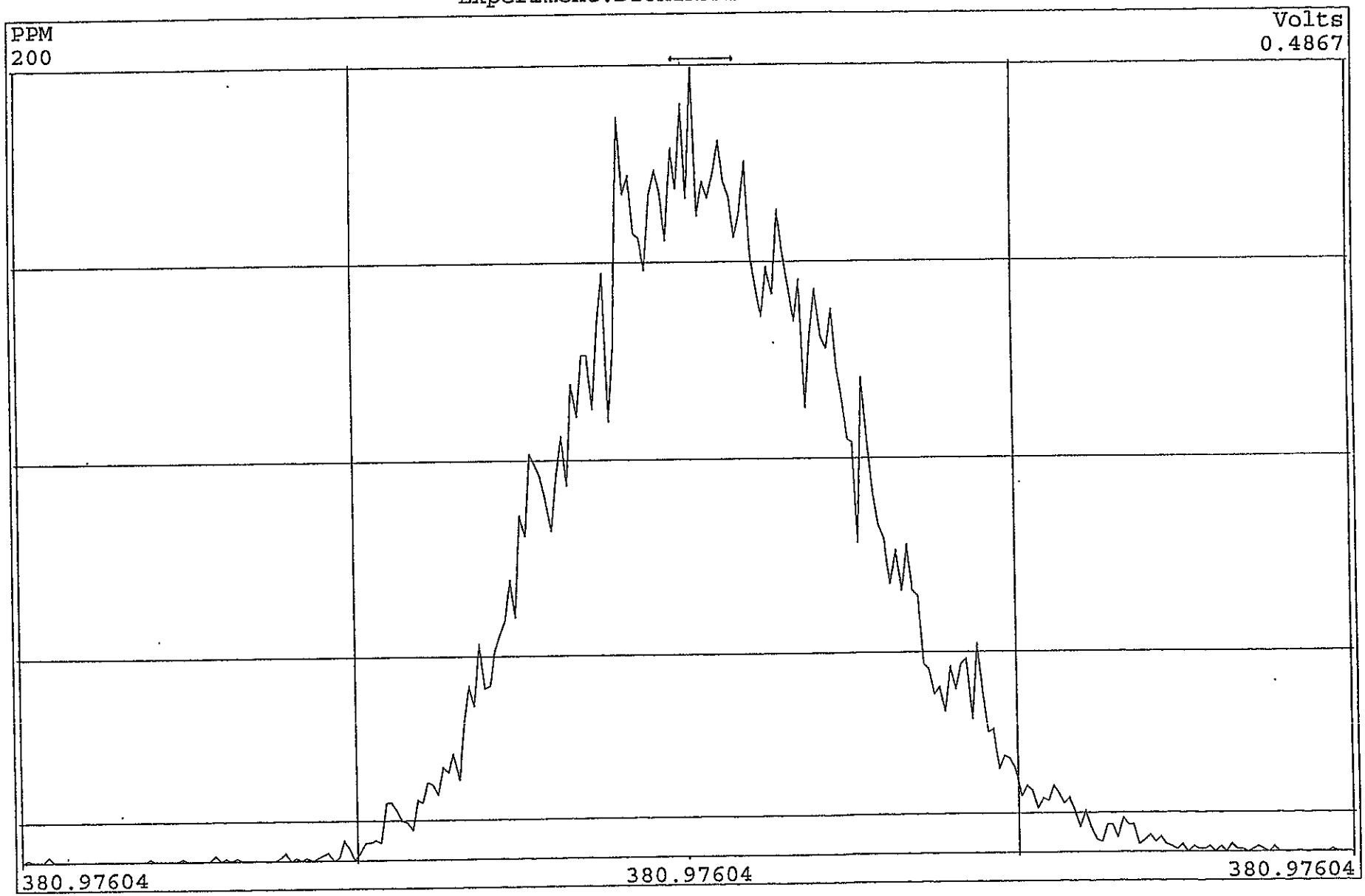
SIRLM Examination:14-SEP-2010:20:34 File:13SE10A4D5
Experiment:DIOXINRES Function:6



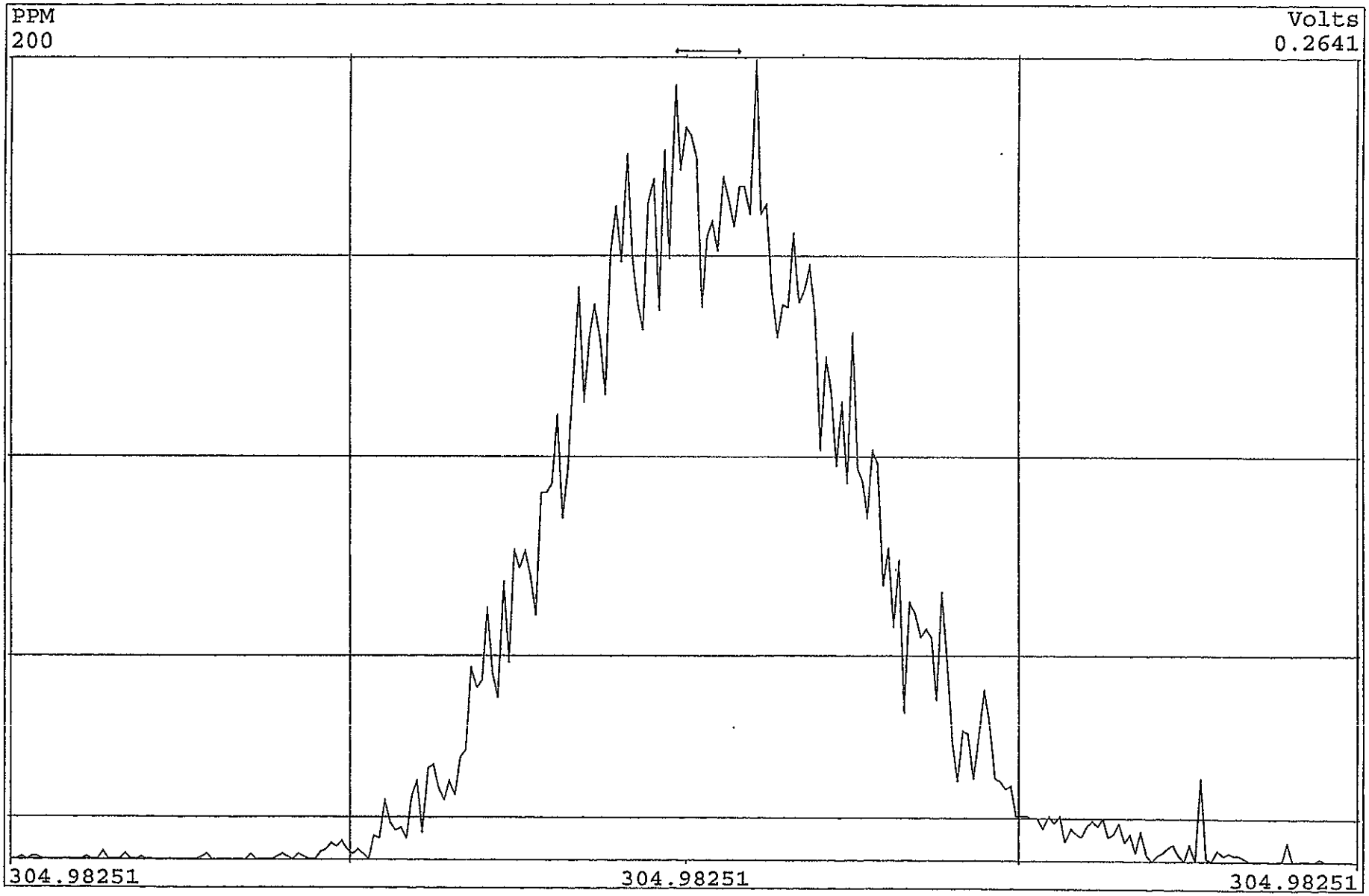
SIRLM Examination:14-SEP-2010:20:35 File:13SE10A4D5
Experiment:DIOXINRES Function:7

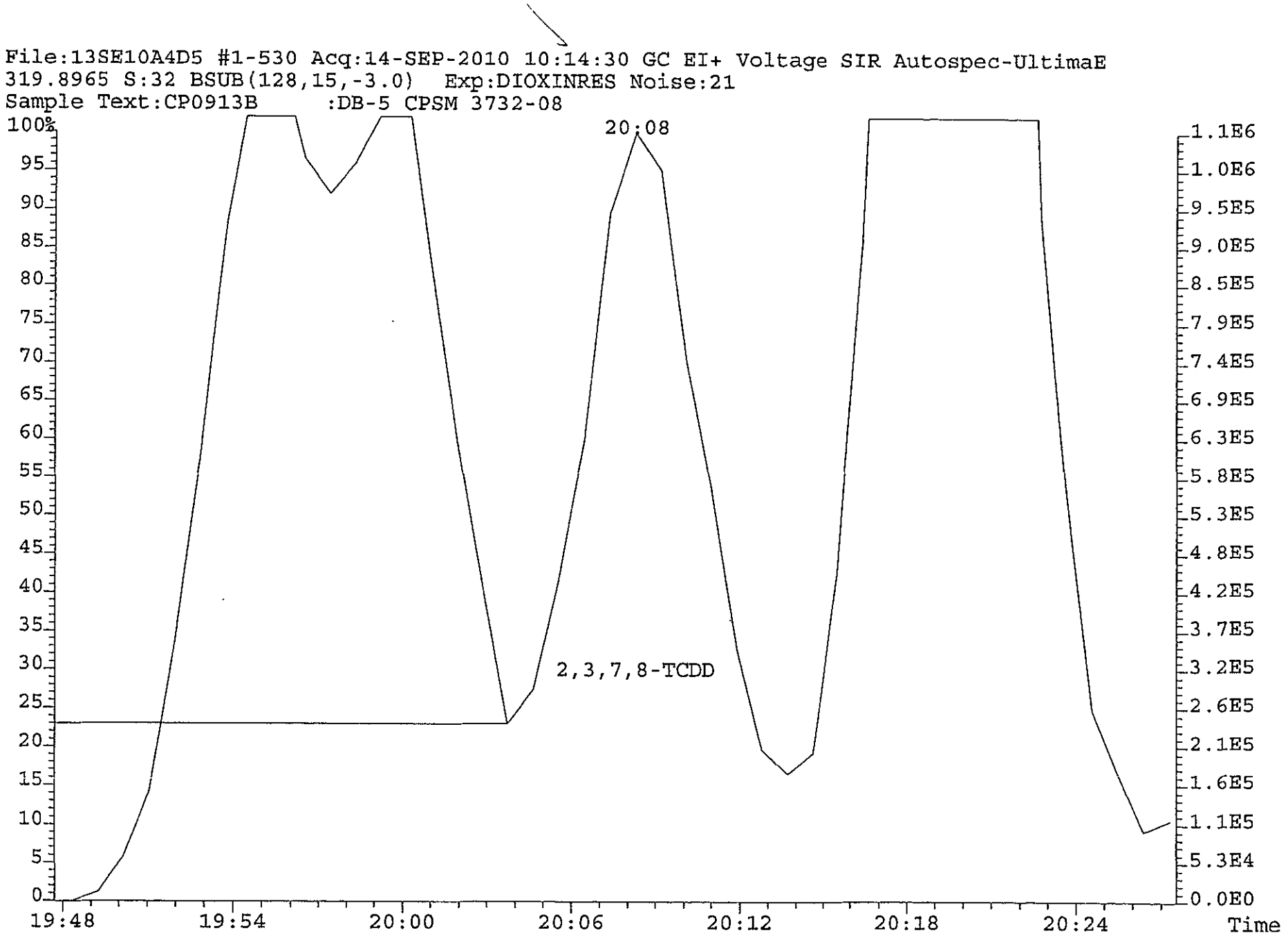


SIRLM Examination:14-SEP-2010:21:19 File:13SE10A4D5
Experiment:DIOXINRES Function:6



SIRLM Examination:14-SEP-2010:21:20 File:13SE10A4D5
Experiment:DIOXINRES Function:7





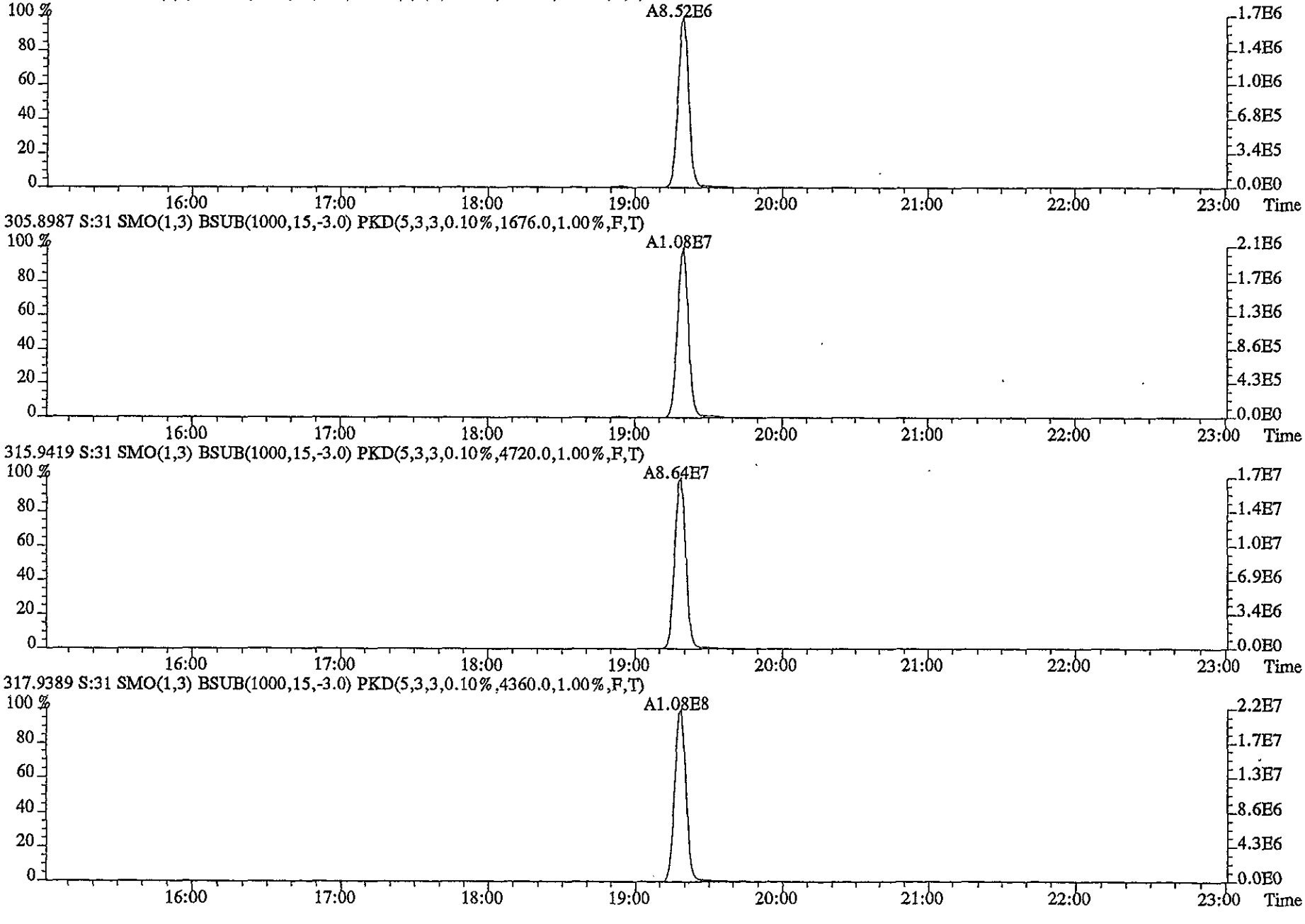
Run: 13SE10A4D5 Analyte: TO9 Cal: TO90721104D5

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

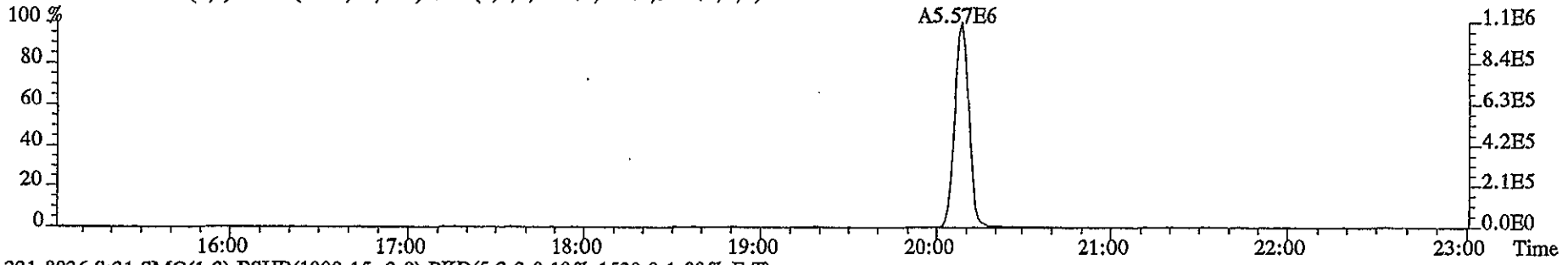
1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21
3C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	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
3C-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:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

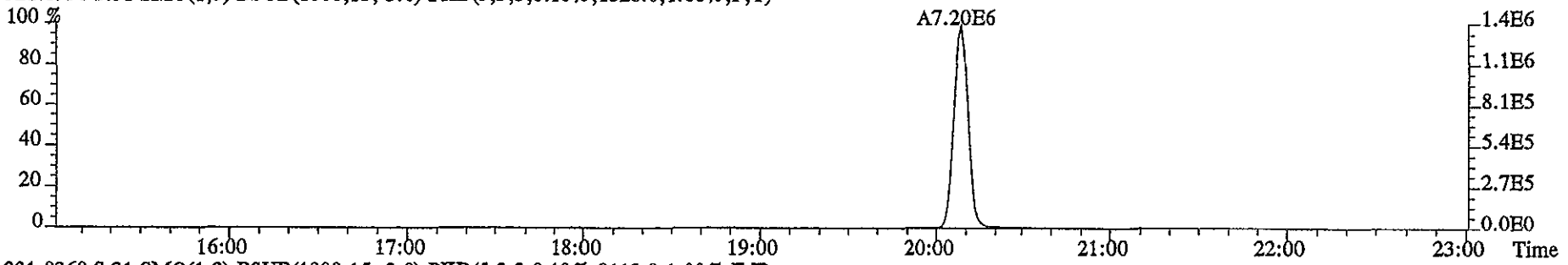


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

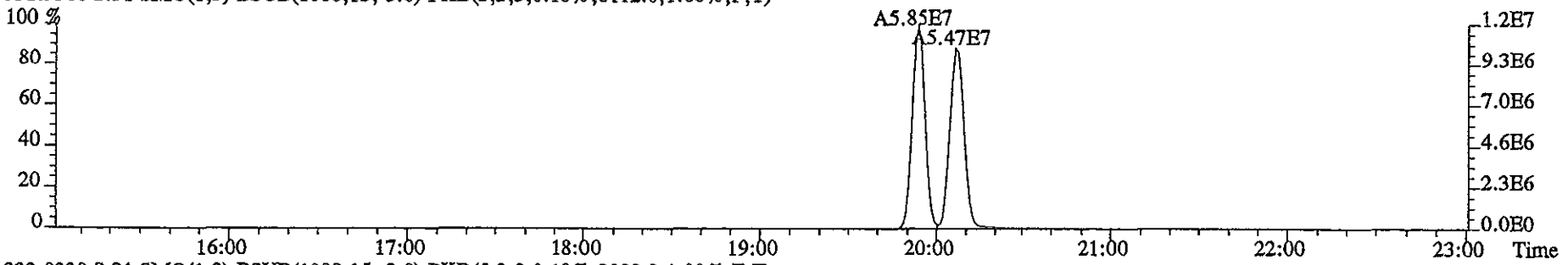
319.8965 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,908.0,1.00%,F,T)



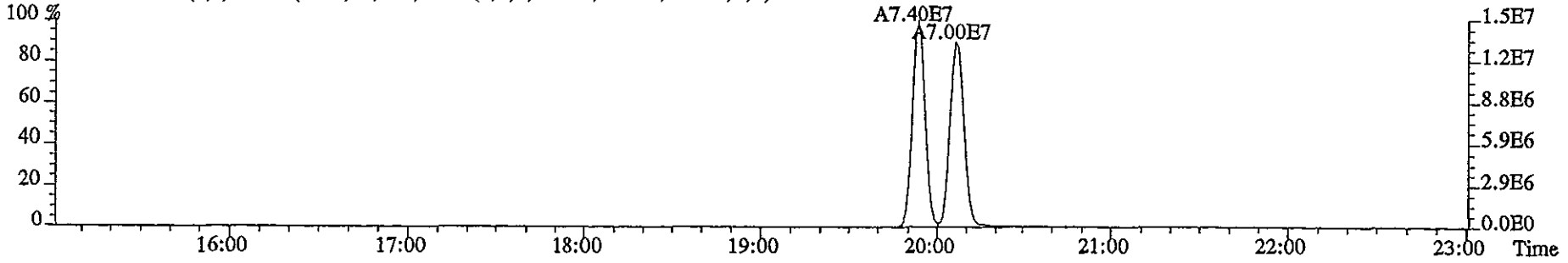
321.8936 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



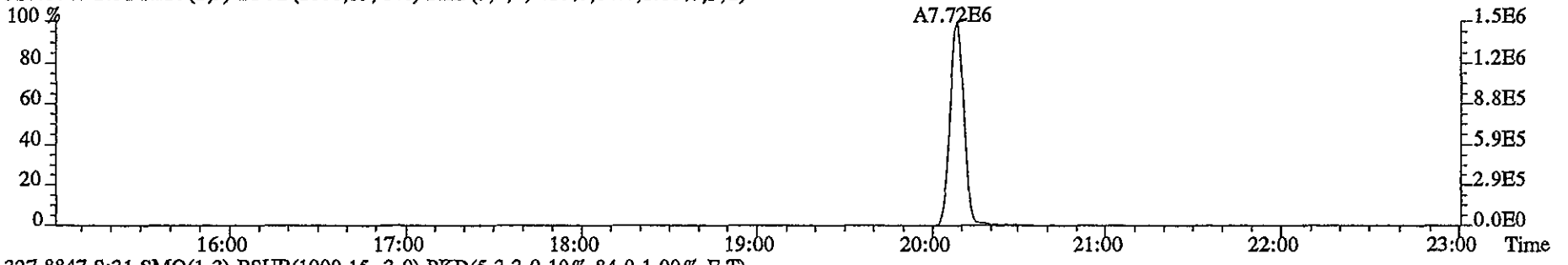
331.9368 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8112.0,1.00%,F,T)

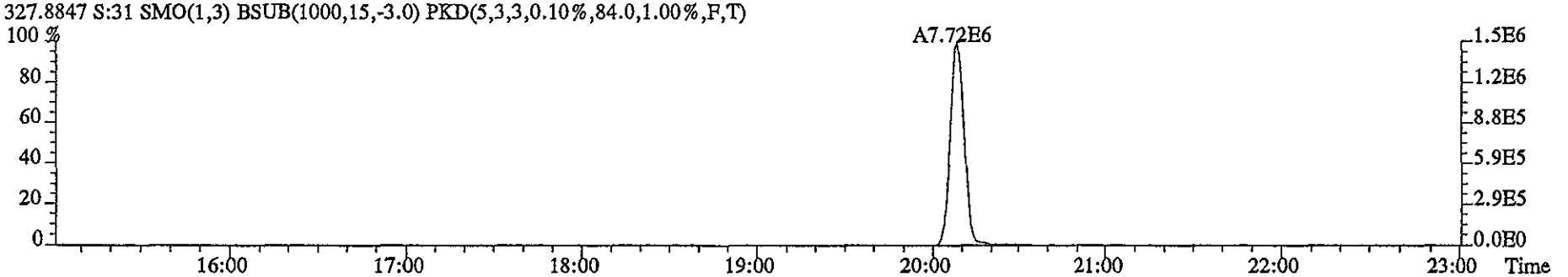


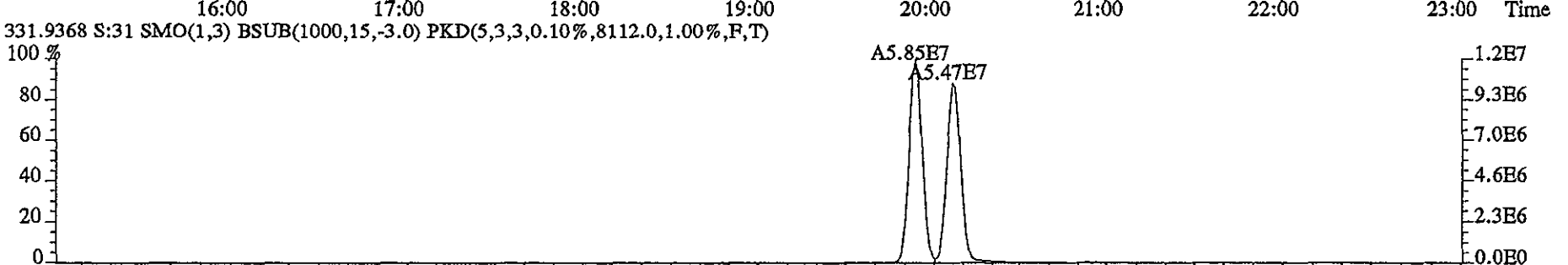
333.9339 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3080.0,1.00%,F,T)

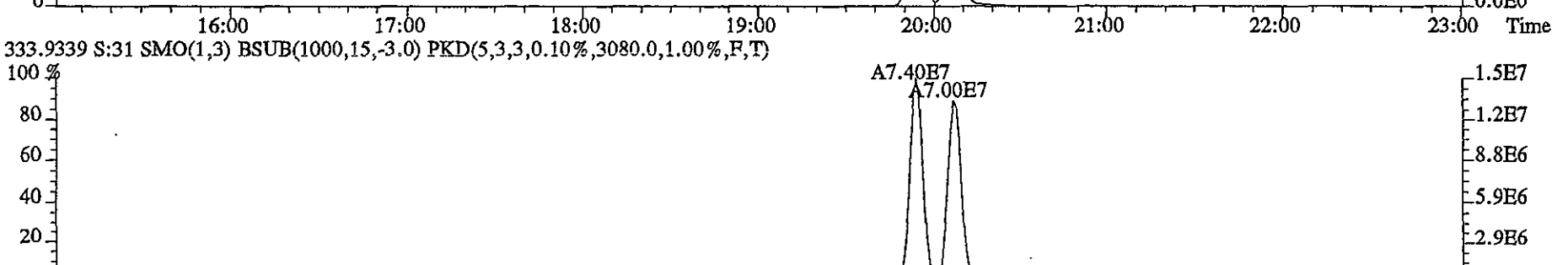


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES



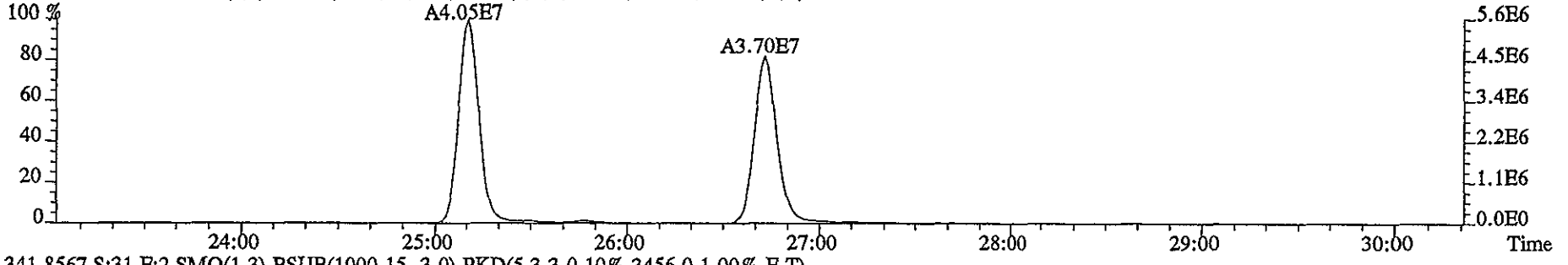




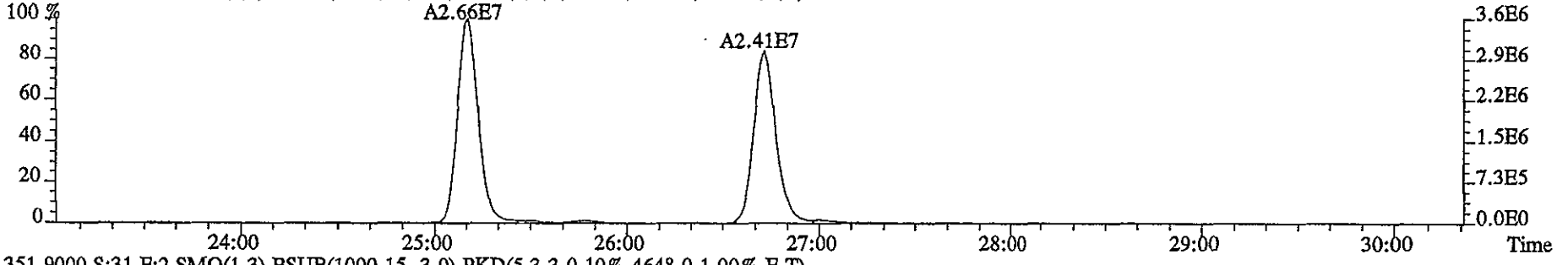


File:13SB10A4D5 #1-470 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

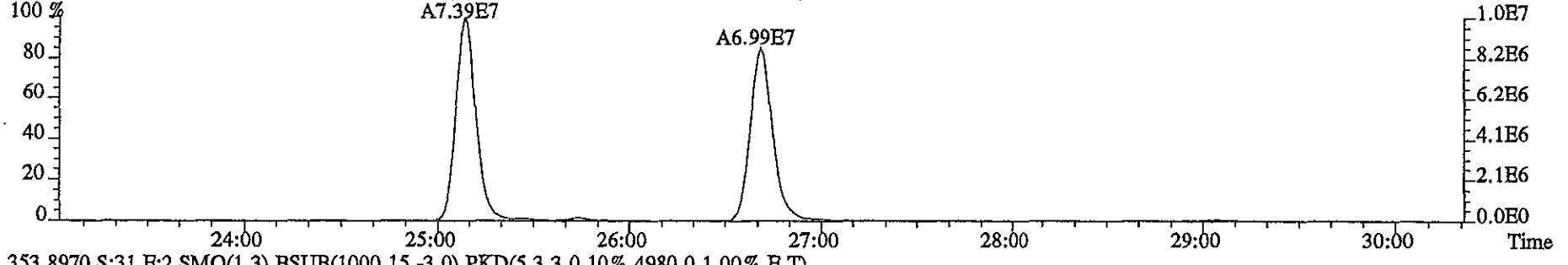
339.8597 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)



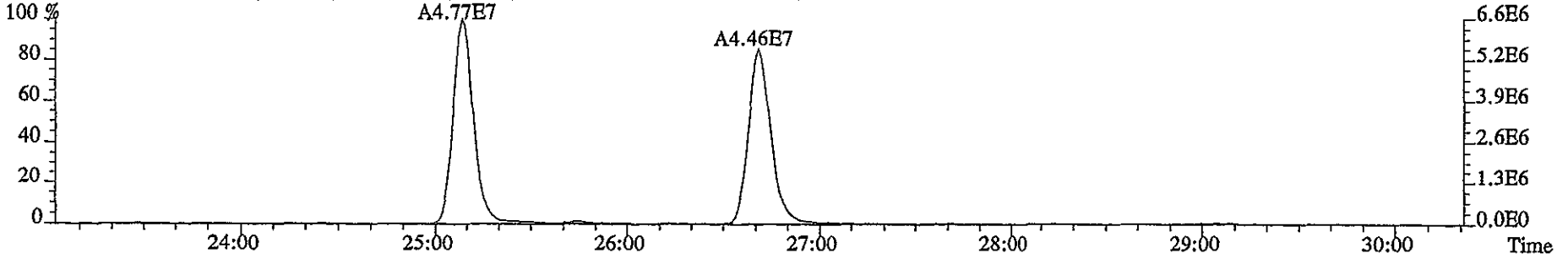
341.8567 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3456.0,1.00%,F,T)



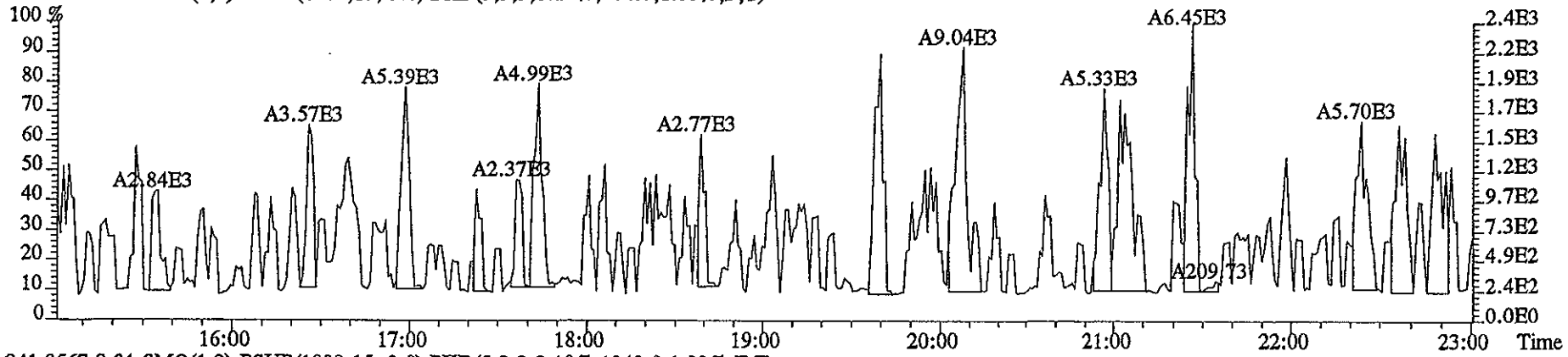
351.9000 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4648.0,1.00%,F,T)



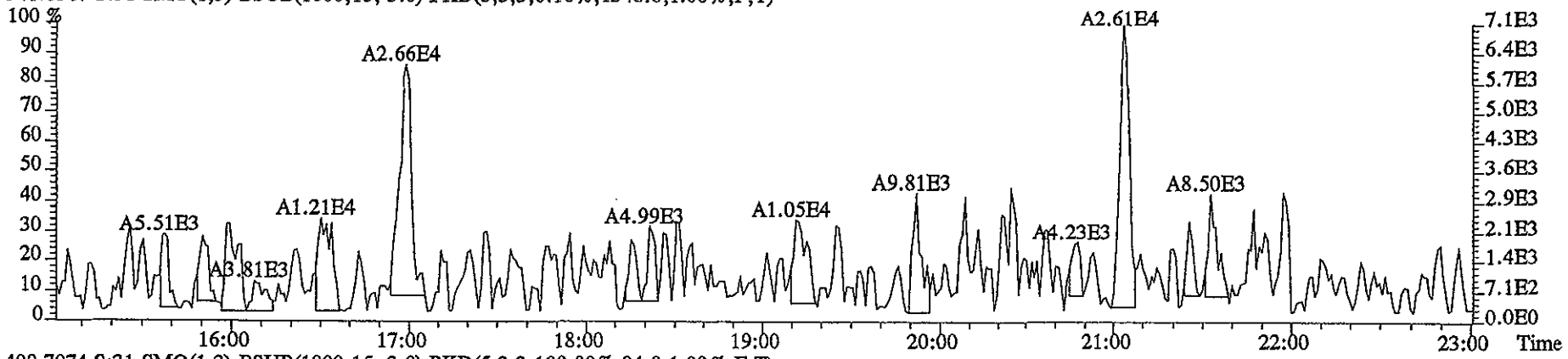
353.8970 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4980.0,1.00%,F,T)



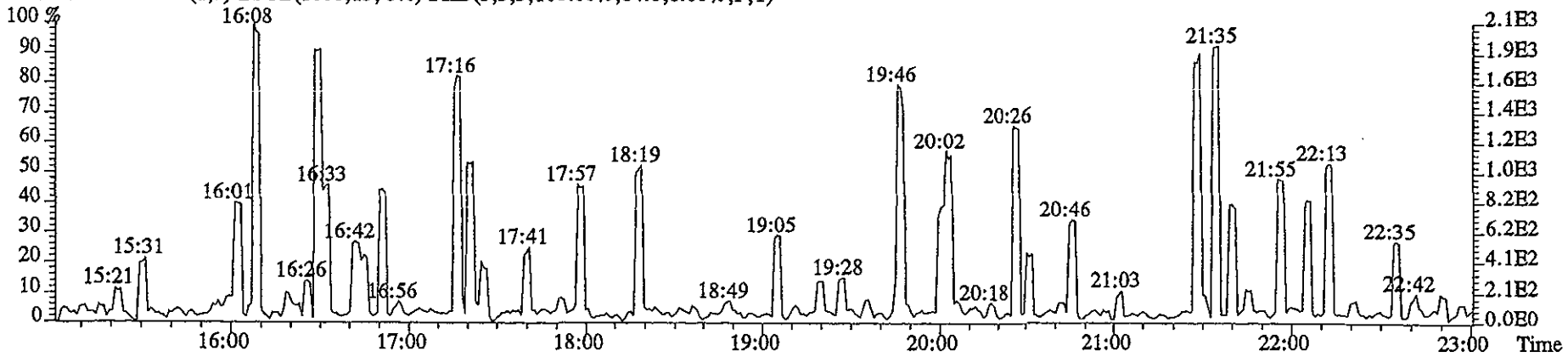
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,684.0,1.00%,F,T)



341.8567 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1348.0,1.00%,F,T)

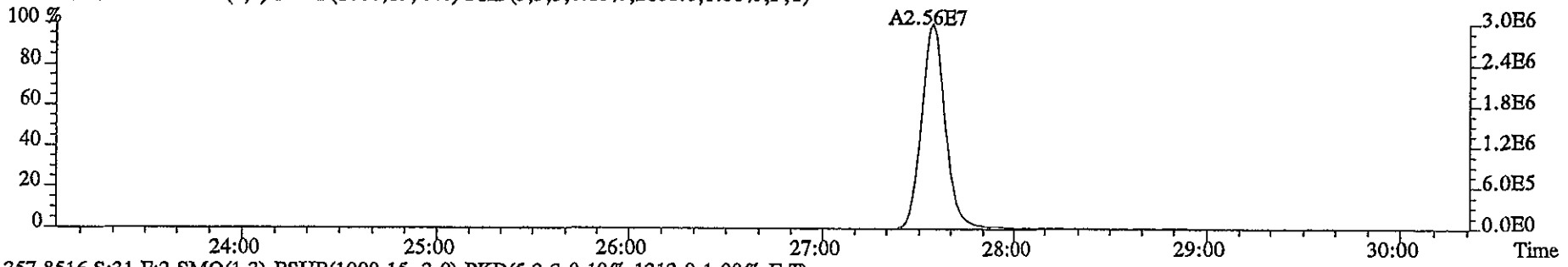


409.7974 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)

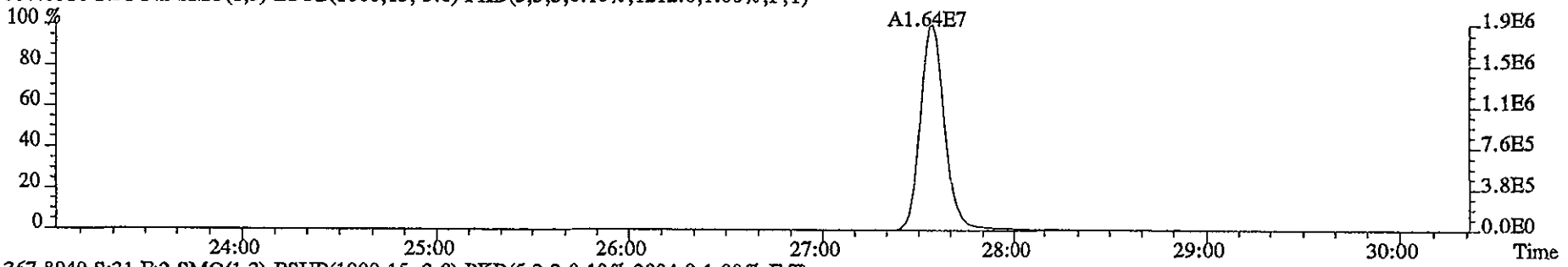


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

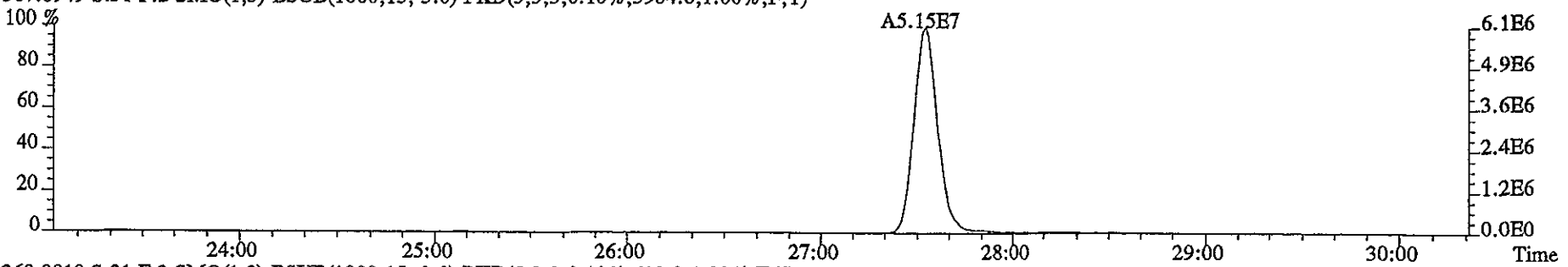
355.8546 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2108.0,1.00%,F,T)



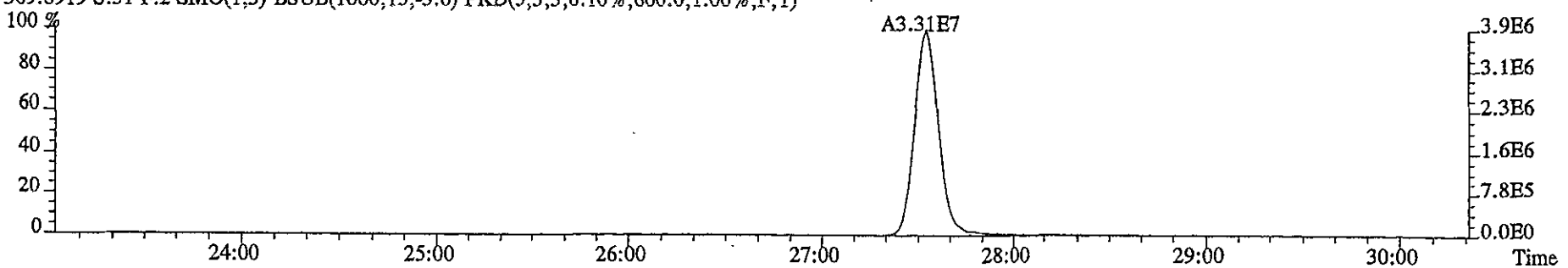
357.8516 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1212.0,1.00%,F,T)



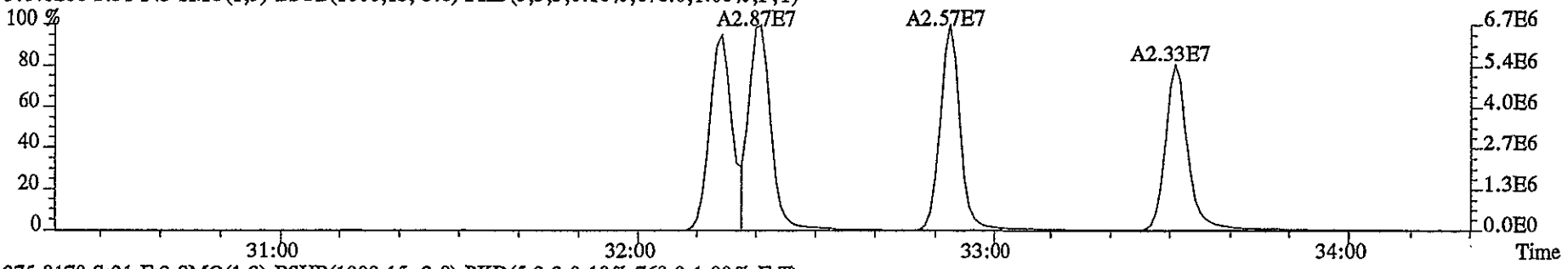
367.8949 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3904.0,1.00%,F,T)

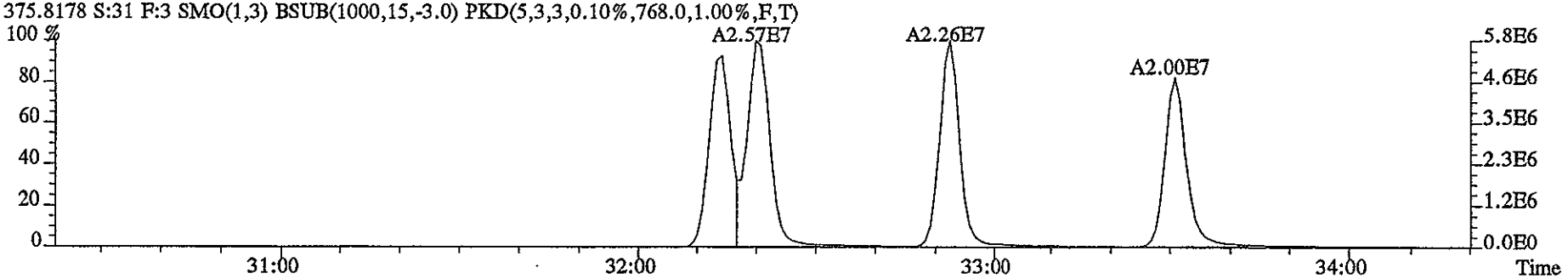


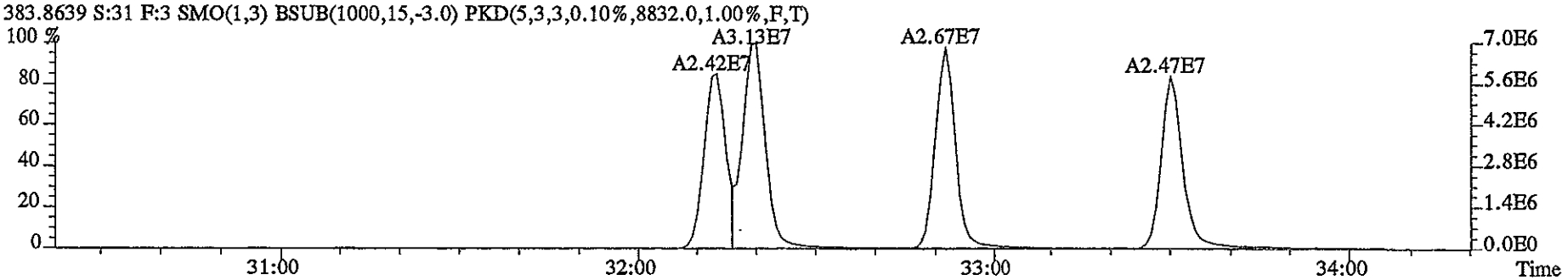
369.8919 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,600.0,1.00%,F,T)

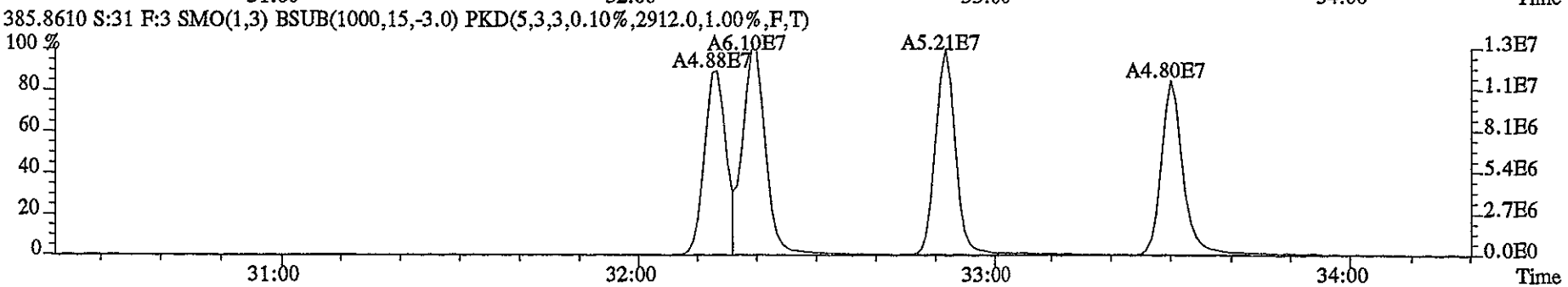


File:13SE10A4D5 #1-286 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

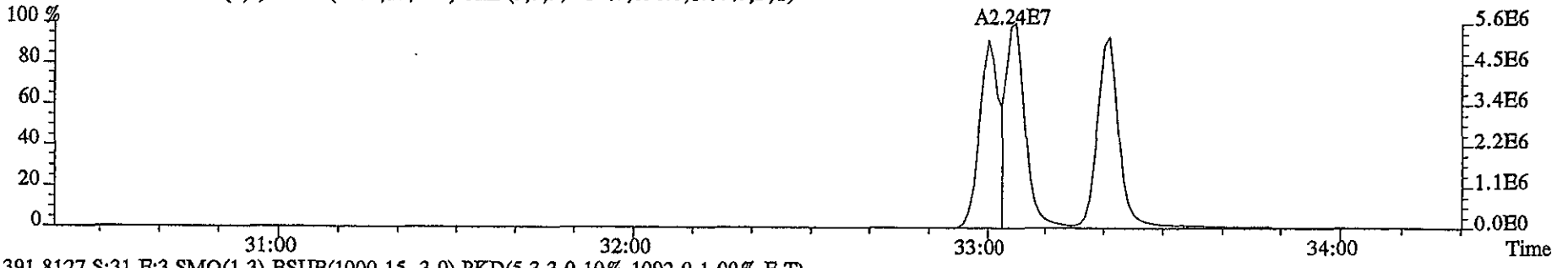


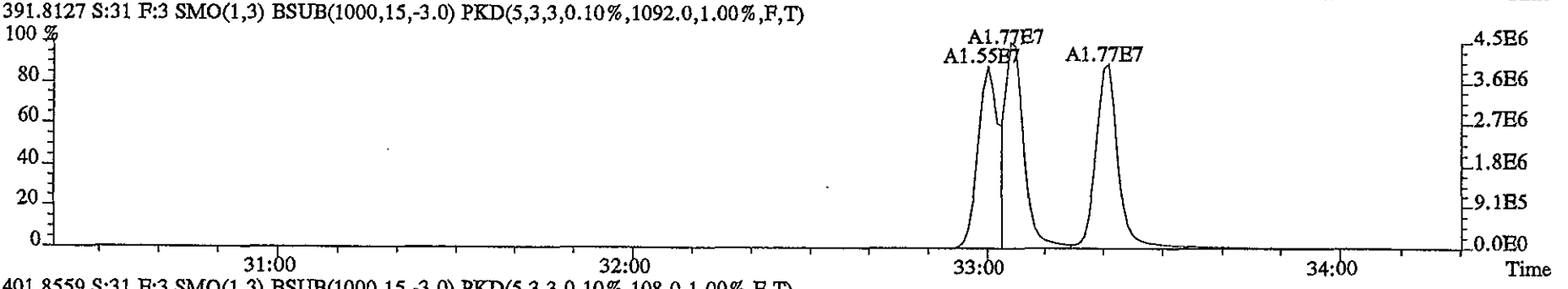


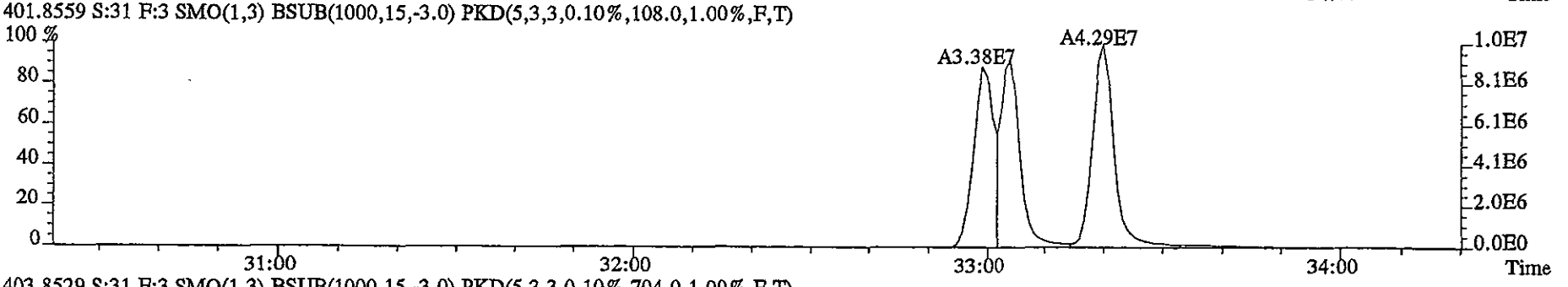


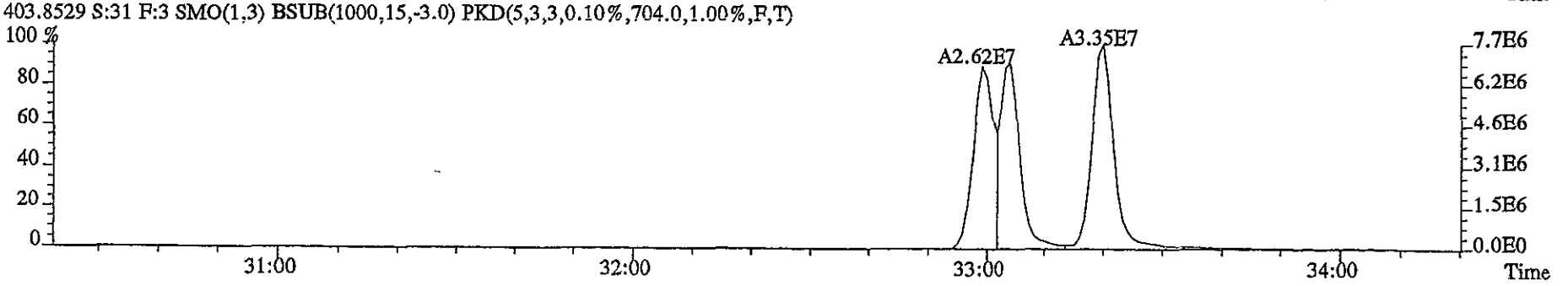


File:13SE10A4D5 #1-286 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

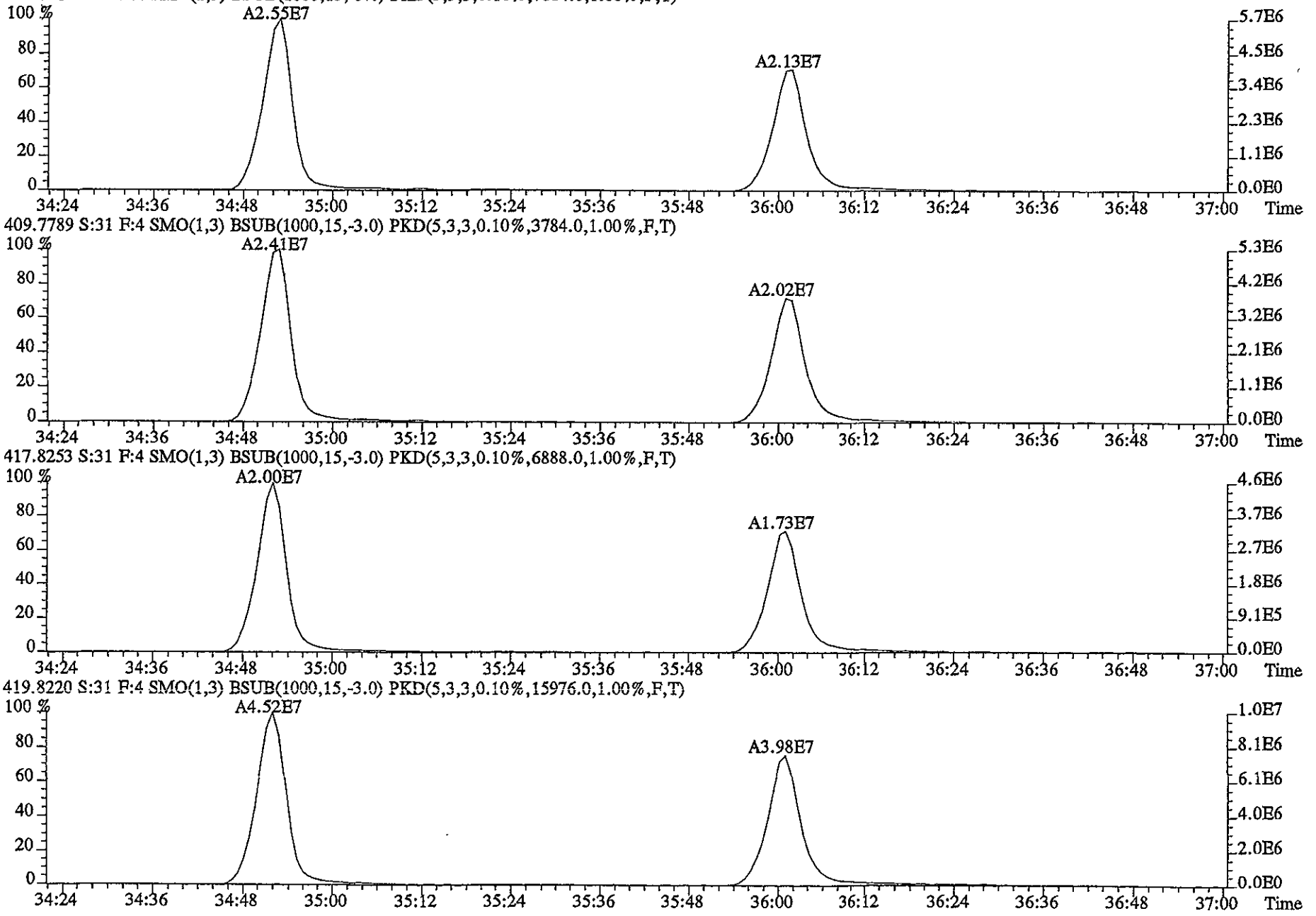




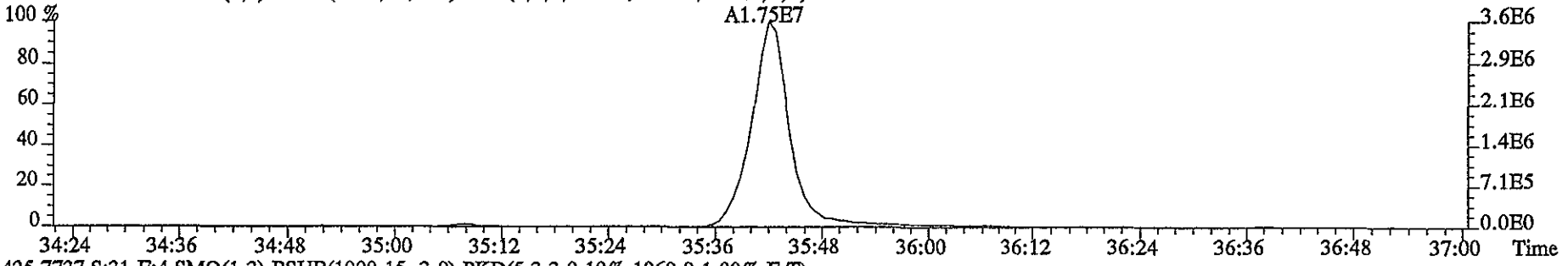




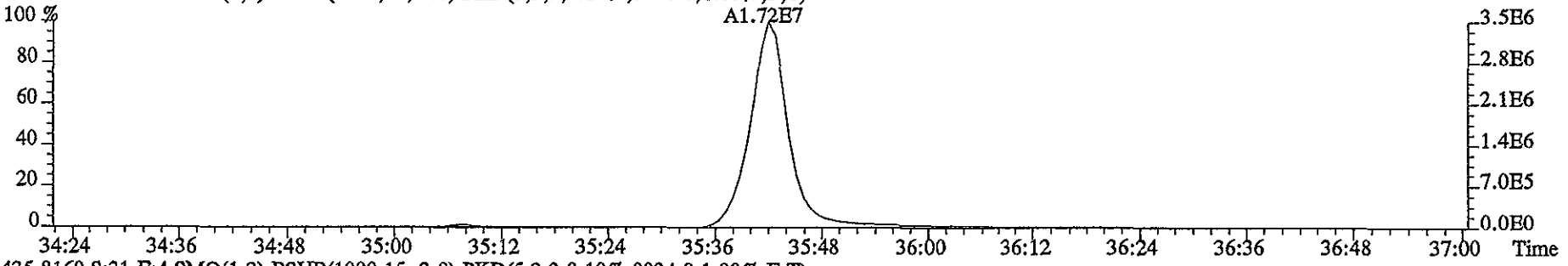
File:13SE10A4D5 #1-201 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES



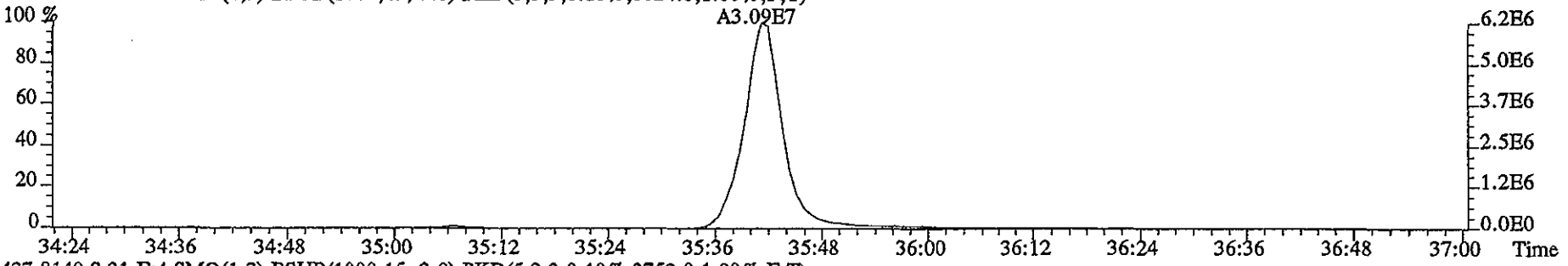
File:13SB10A4D5 #1-201 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES
423.7766 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2636.0,1.00%,F,T)



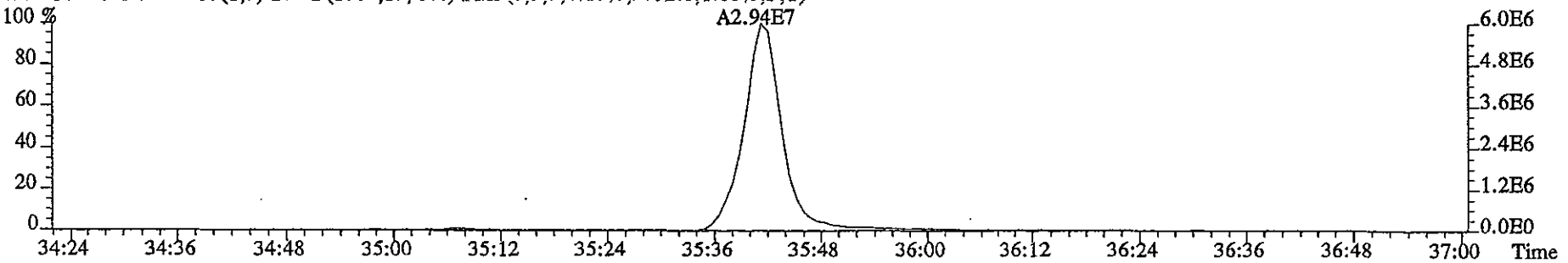
425.7737 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1960.0,1.00%,F,T)



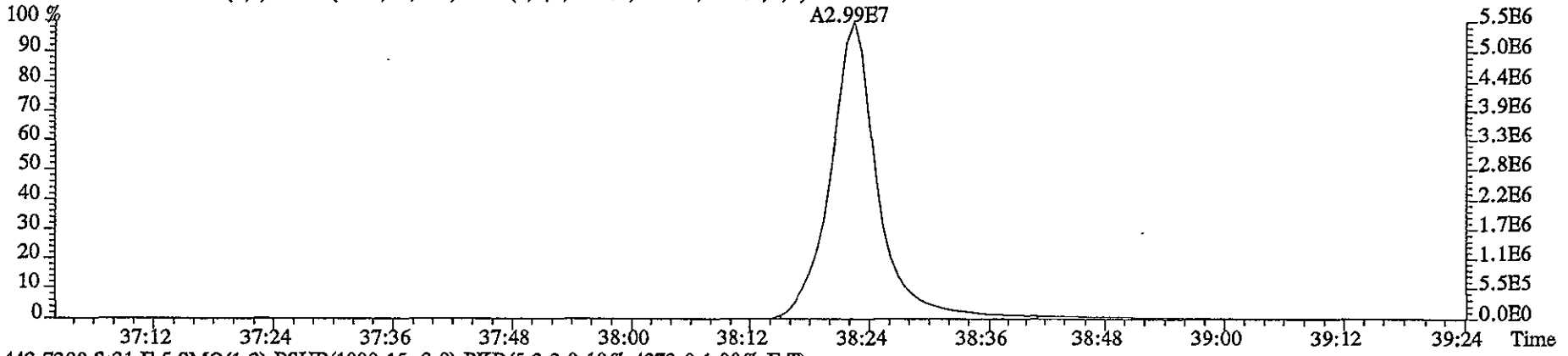
435.8169 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8024.0,1.00%,F,T)



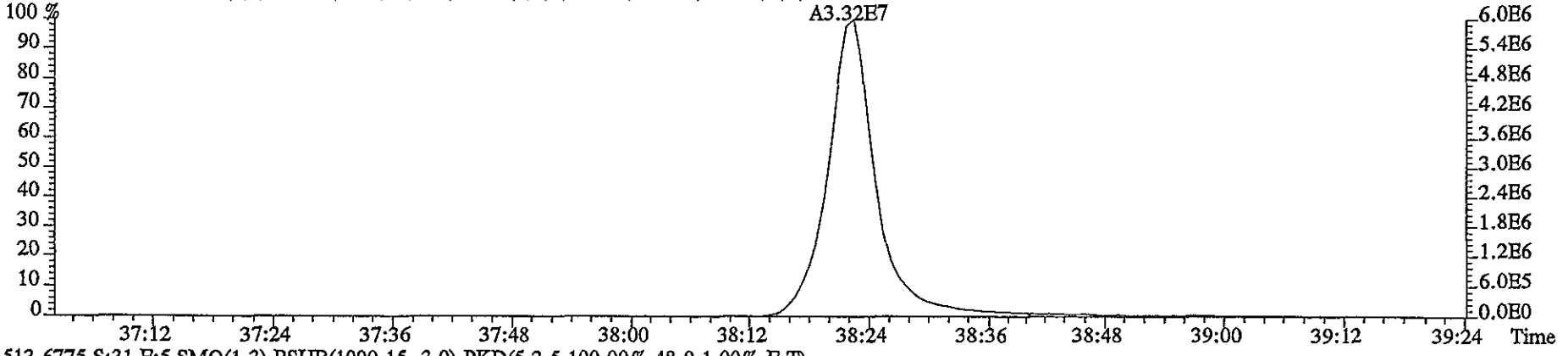
437.8140 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T)



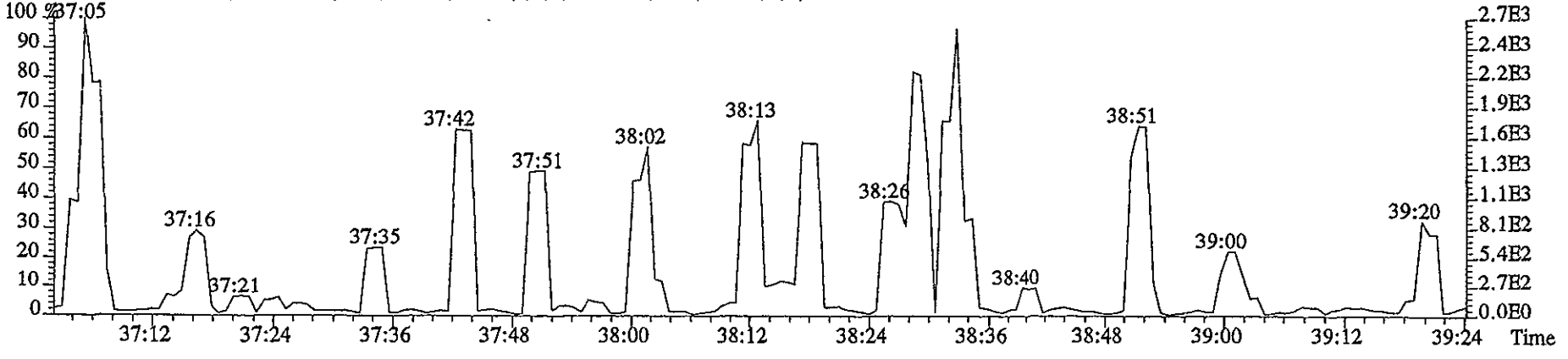
File:13SE10A4D5 #1-192 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



443.7399 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4372.0,1.00%,F,T)

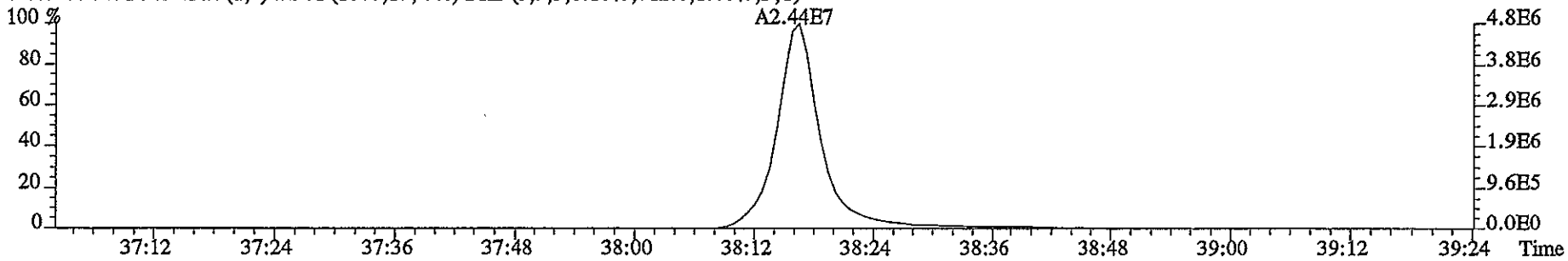


513.6775 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,48.0,1.00%,F,T)

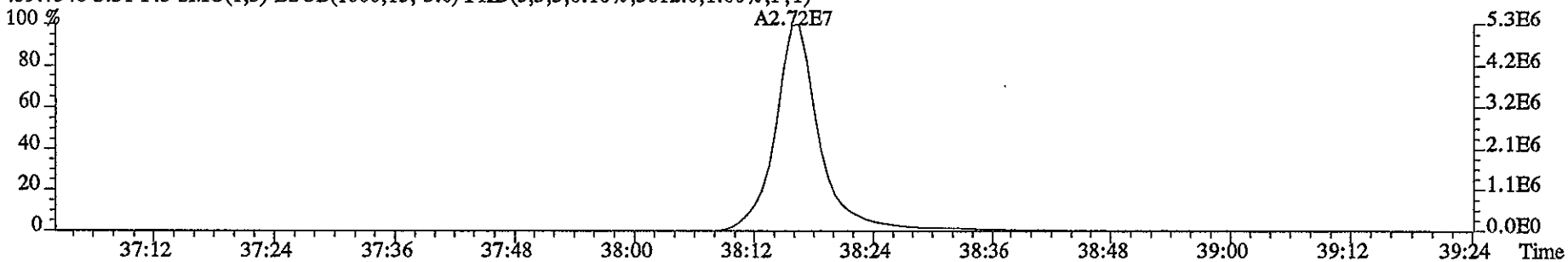


File:13SE10A4D5 #1-192 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

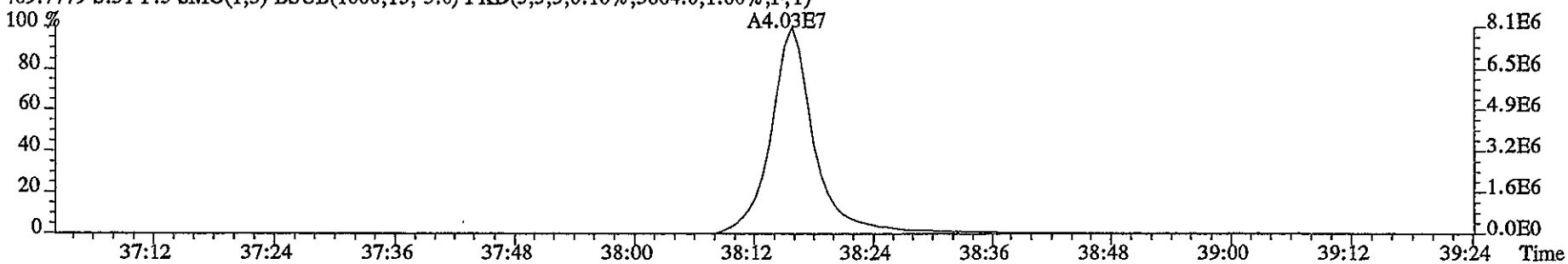
457.7377 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,712.0,1.00%,F,T)



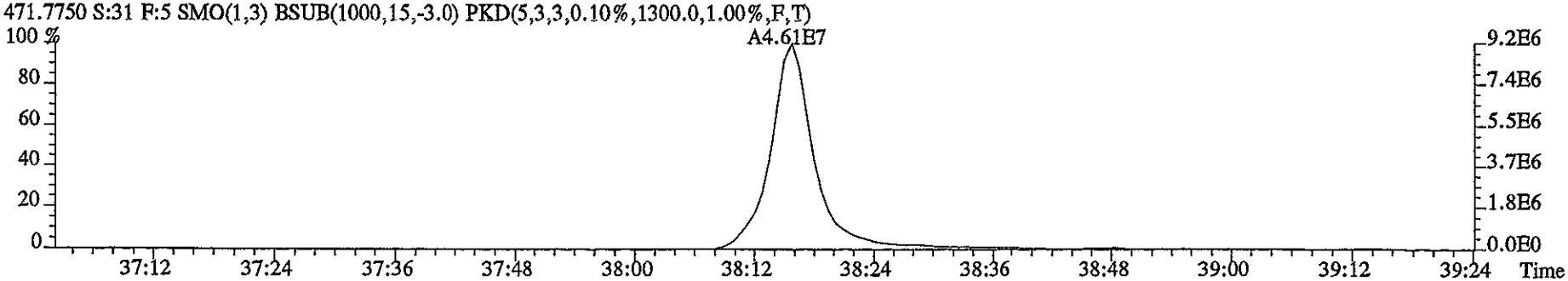
459.7348 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3812.0,1.00%,F,T)



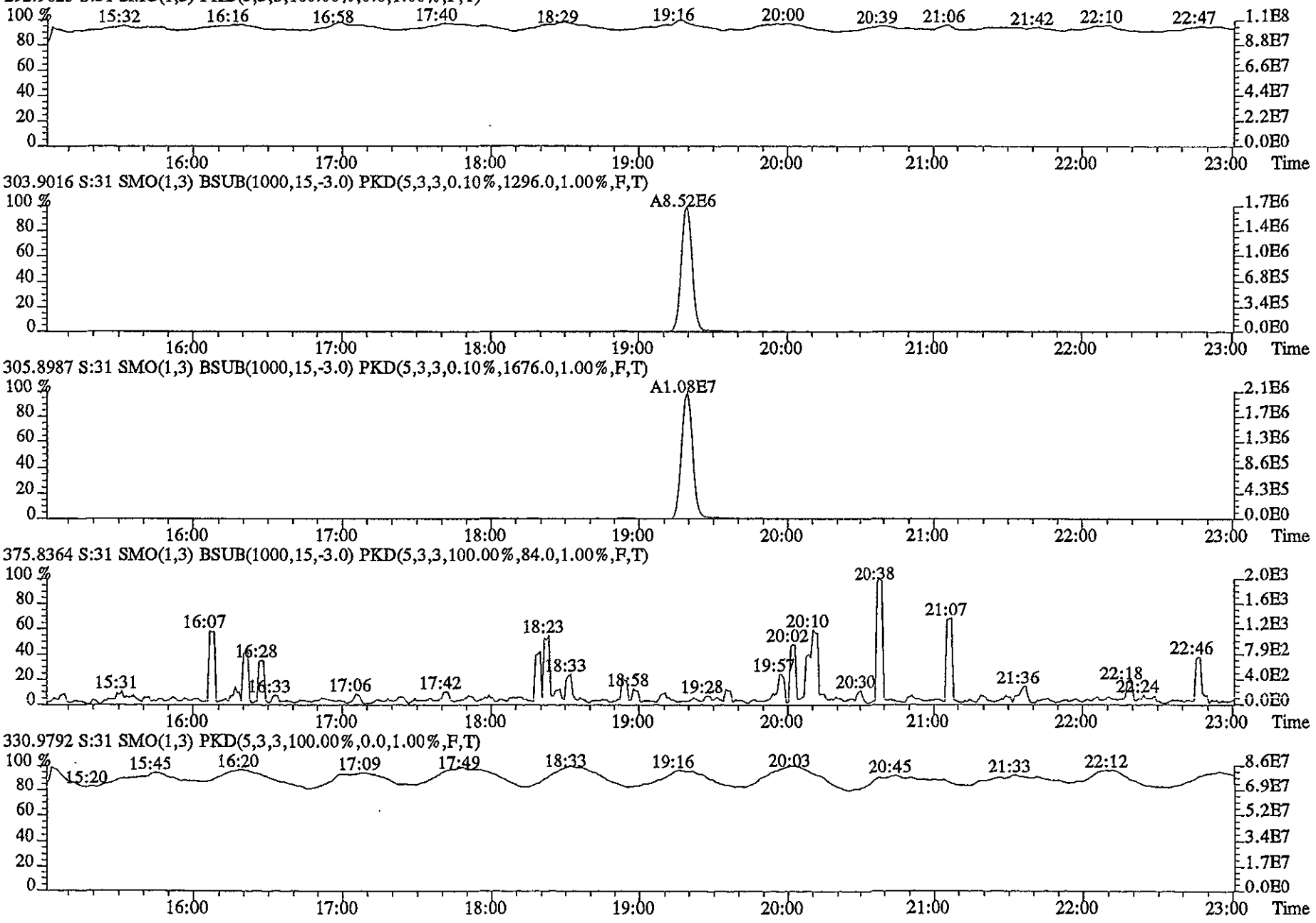
469.7779 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3864.0,1.00%,F,T)



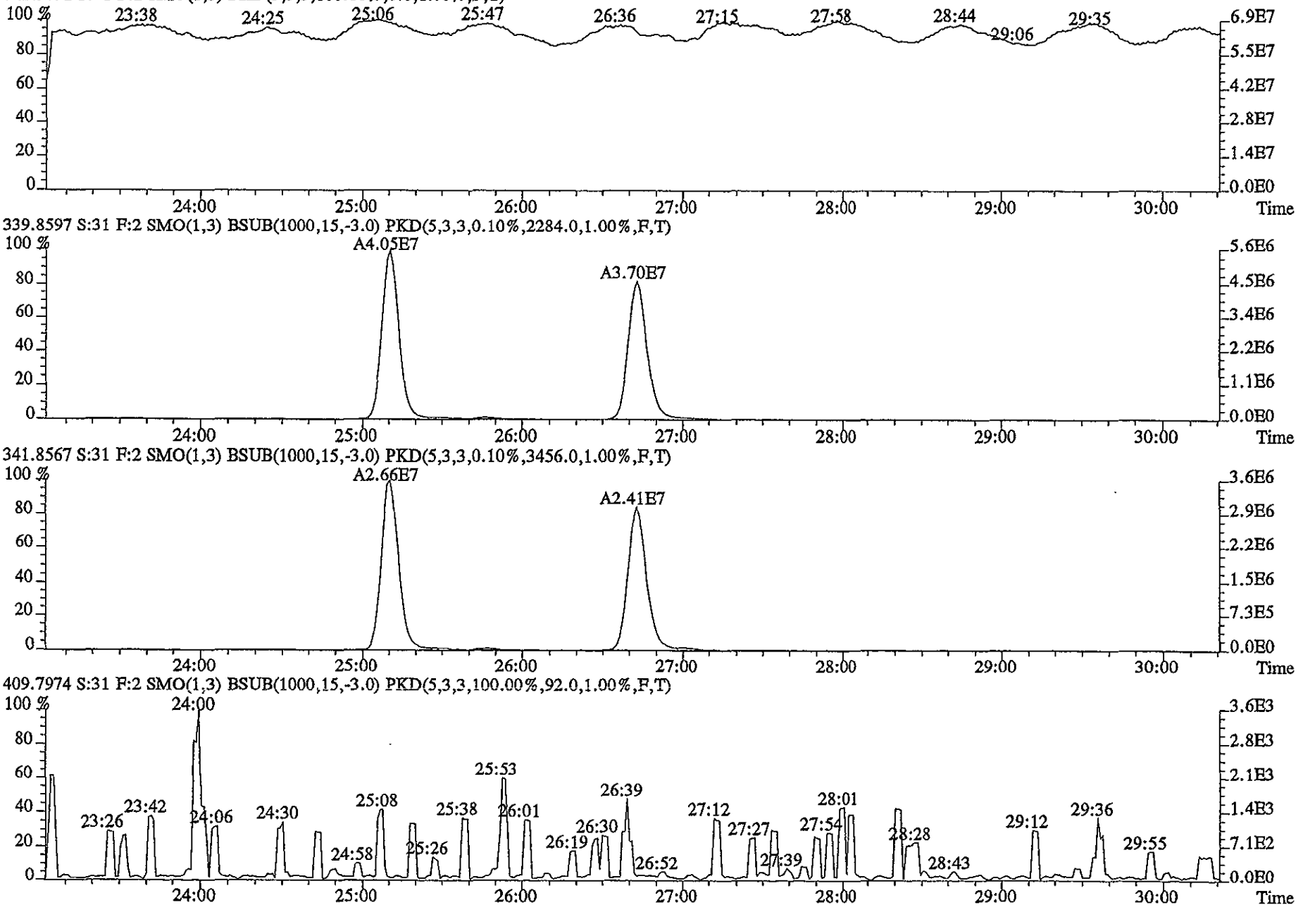
471.7750 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1300.0,1.00%,F,T)



File:13SE10A4D5 #1-530 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

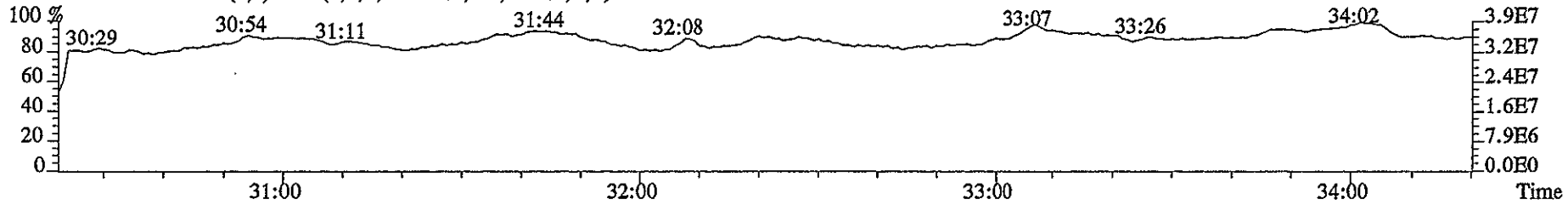


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

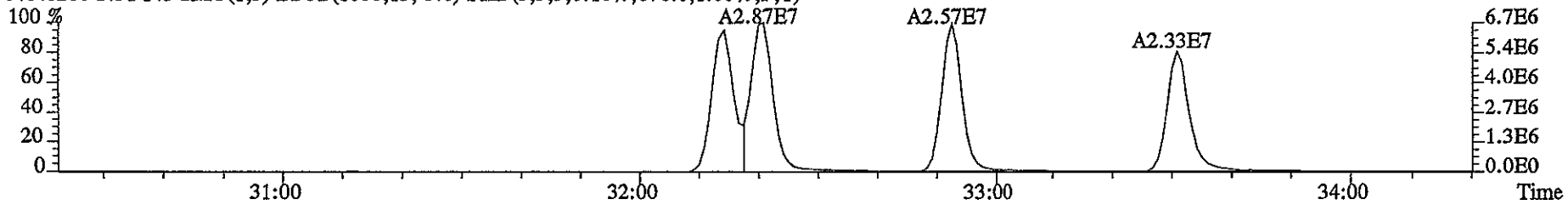


File:13SE10A4D5 #1-286 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES

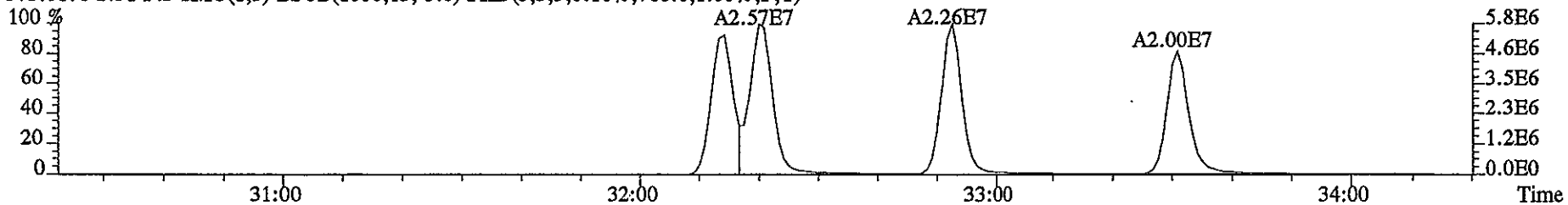
392.9760 S:31 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



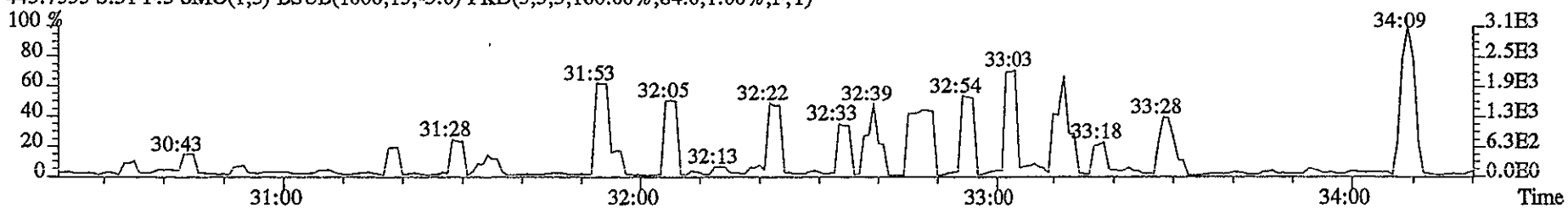
373.8208 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)



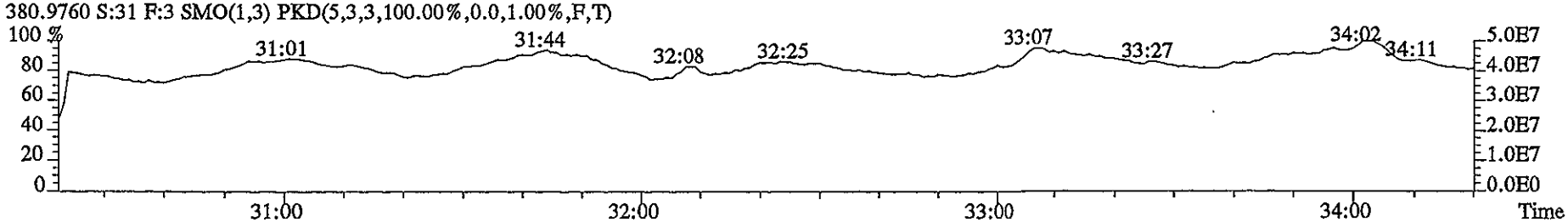
375.8178 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,768.0,1.00%,F,T)



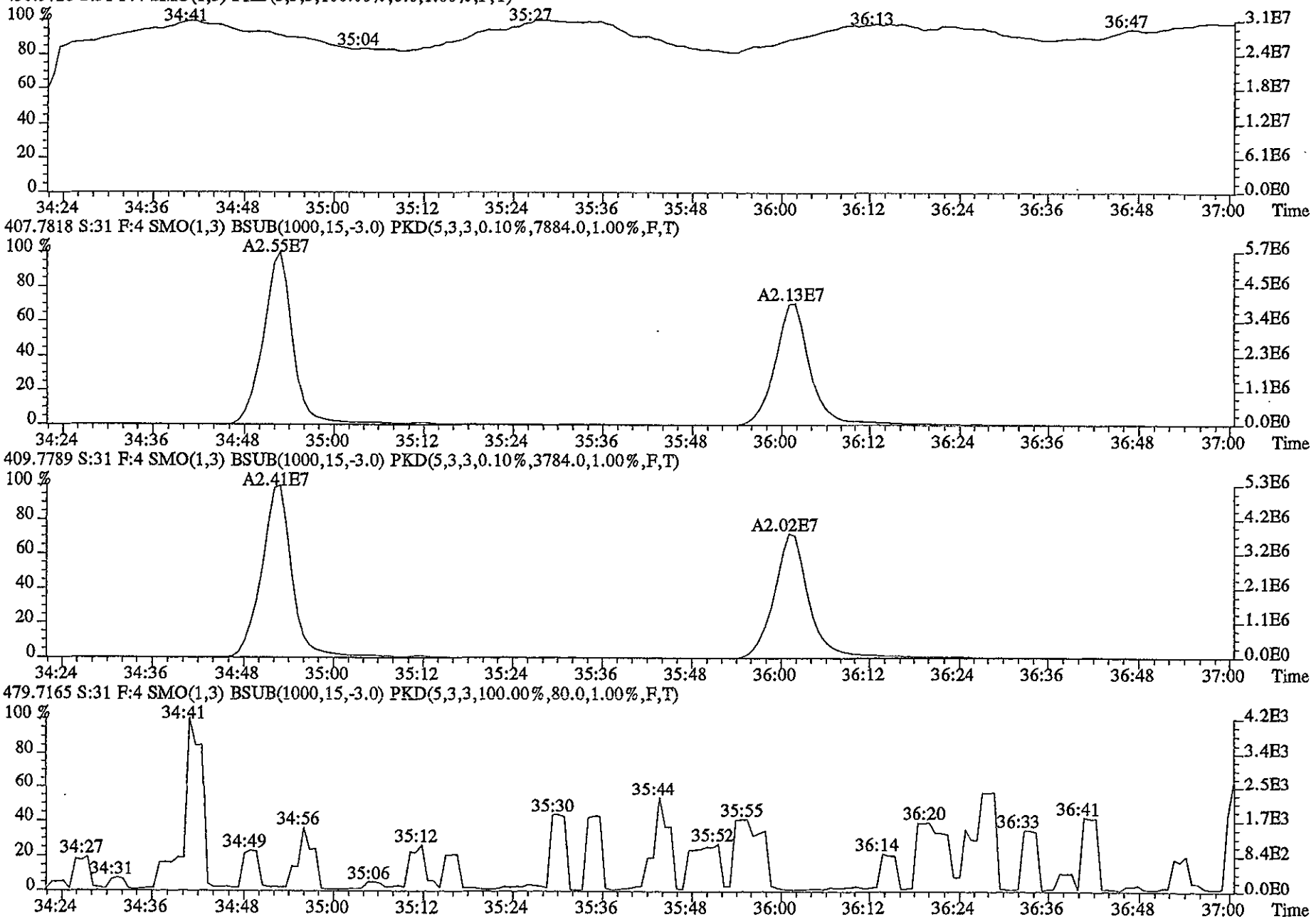
445.7555 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,84.0,1.00%,F,T)



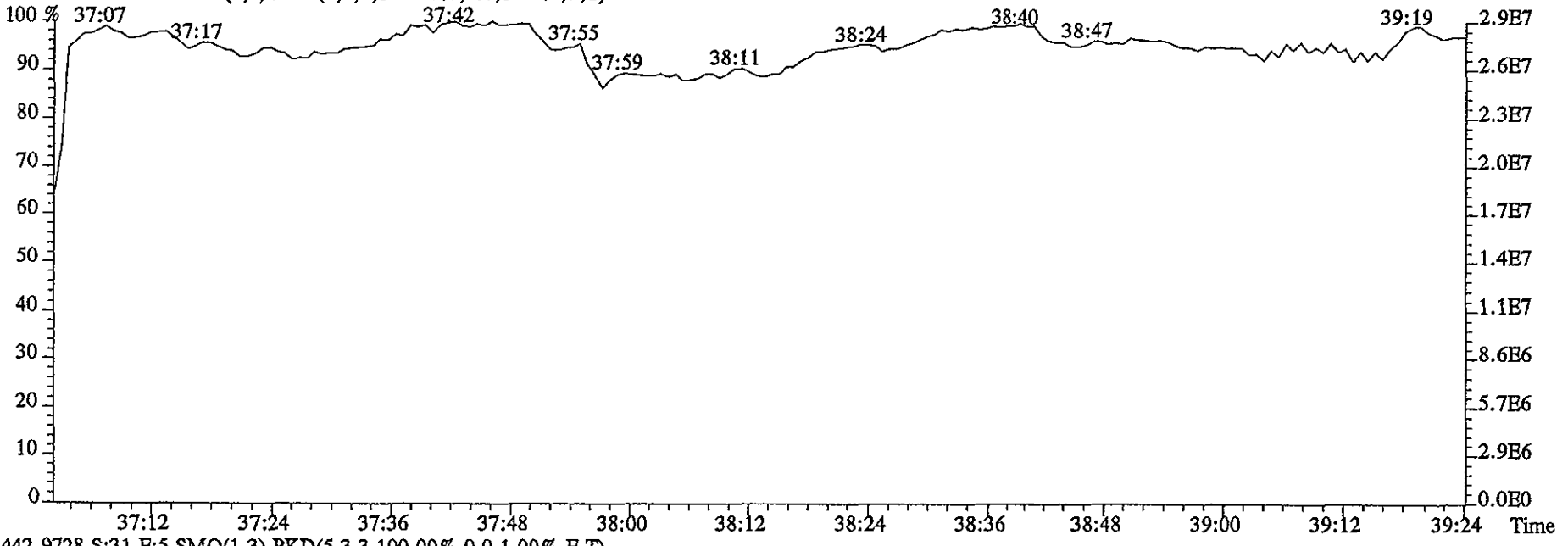
380.9760 S:31 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



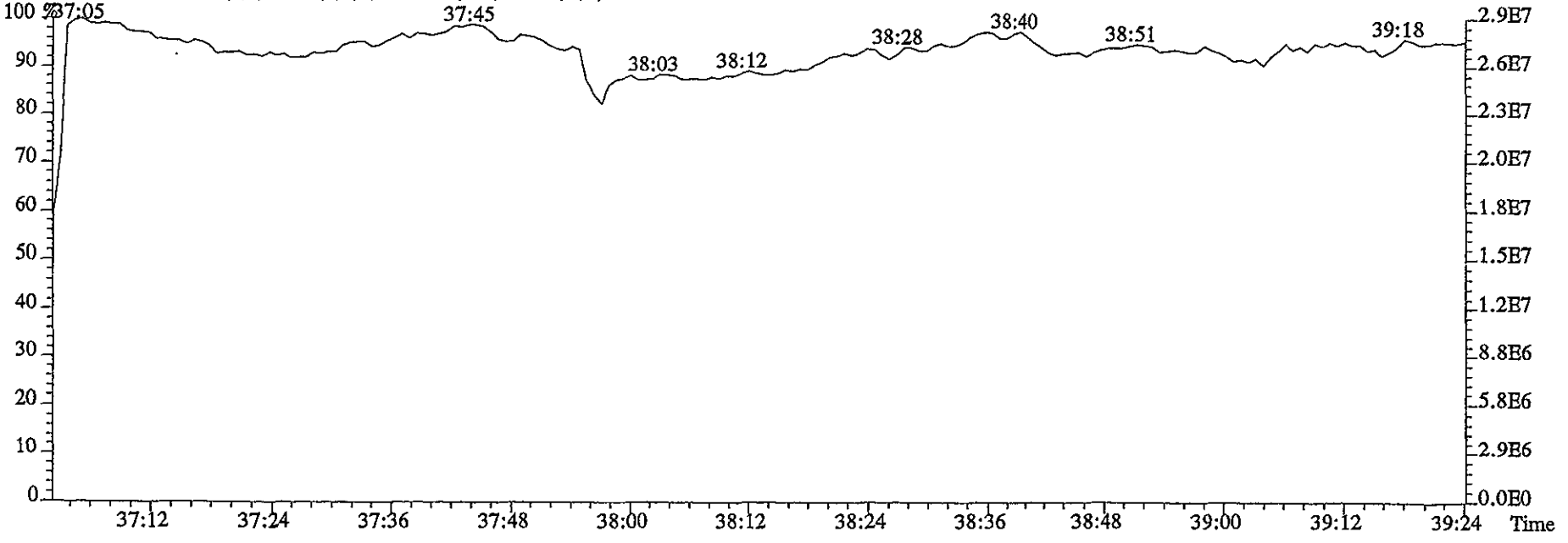
File:13SE10A4D5 #1-201 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES



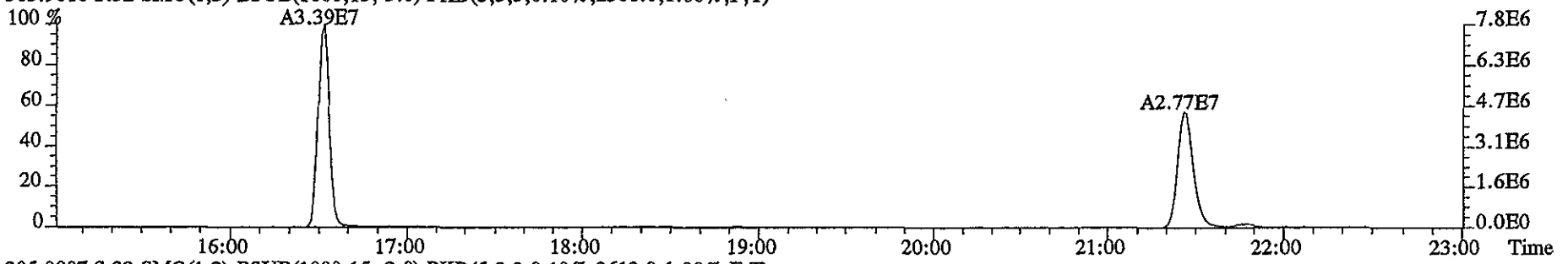
File:13SE10A4D5 #1-192 Acq:14-SEP-2010 09:29:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#31 Text:ST0913C :CS3 10DXN417 Exp:DIOXINRES
454.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

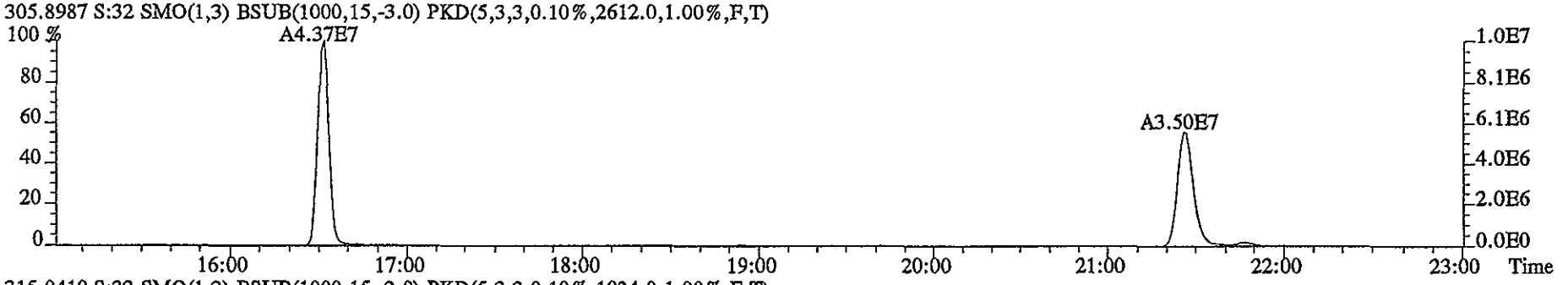


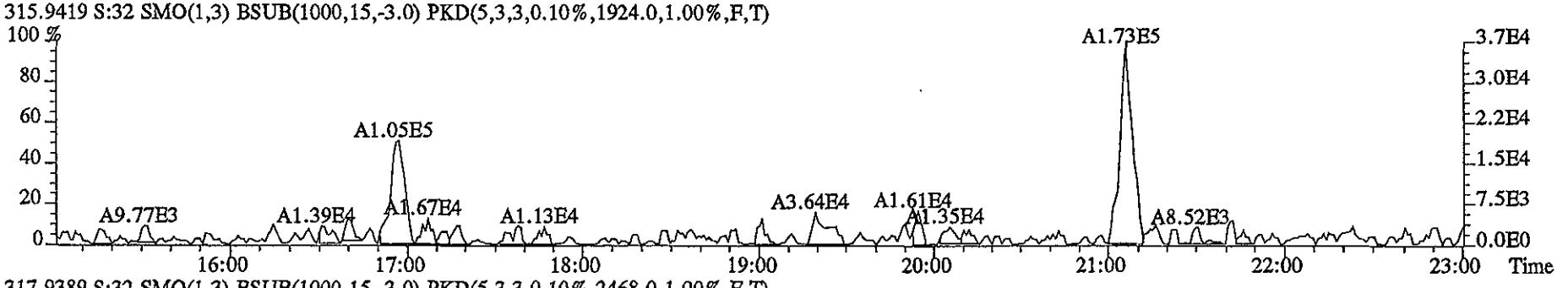
442.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

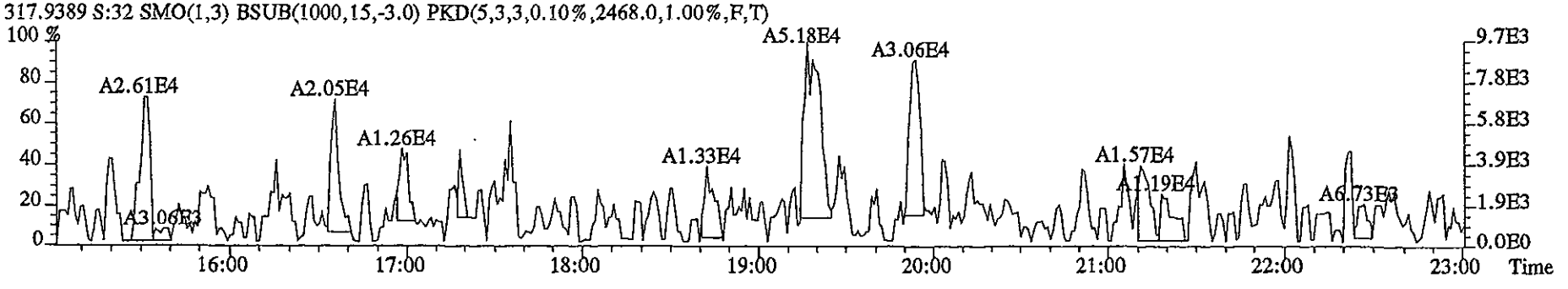


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

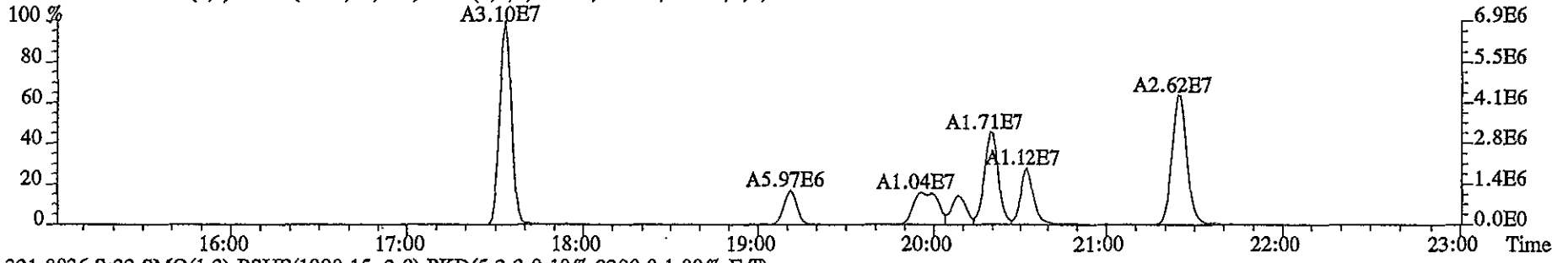


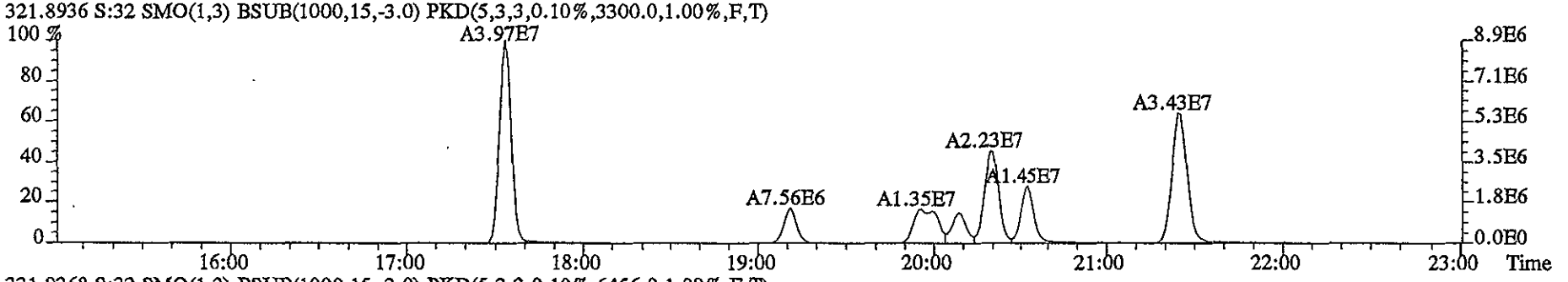


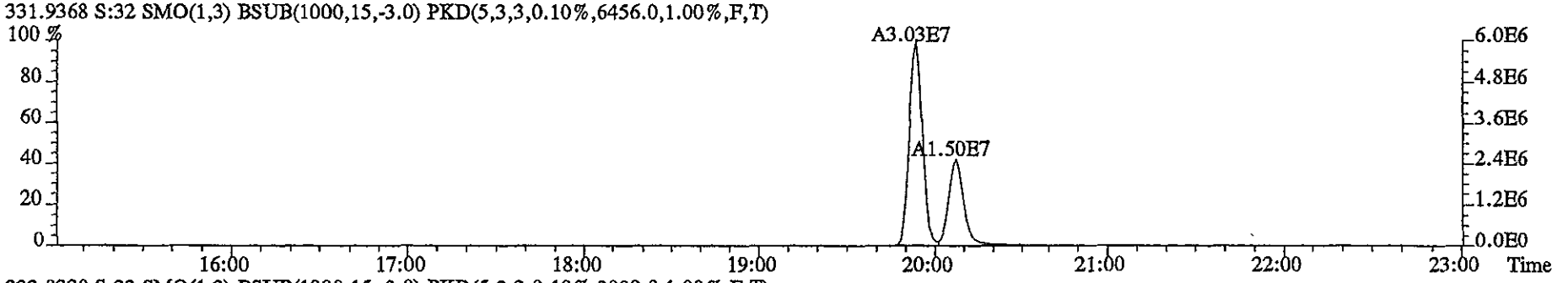


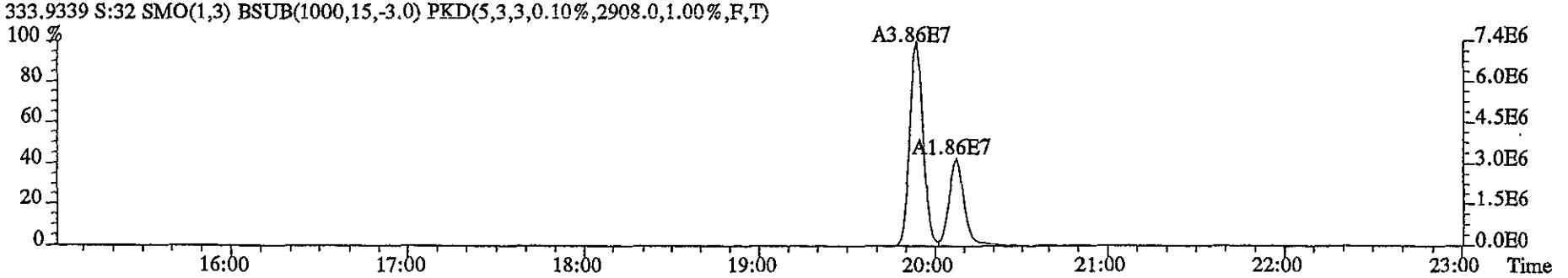


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

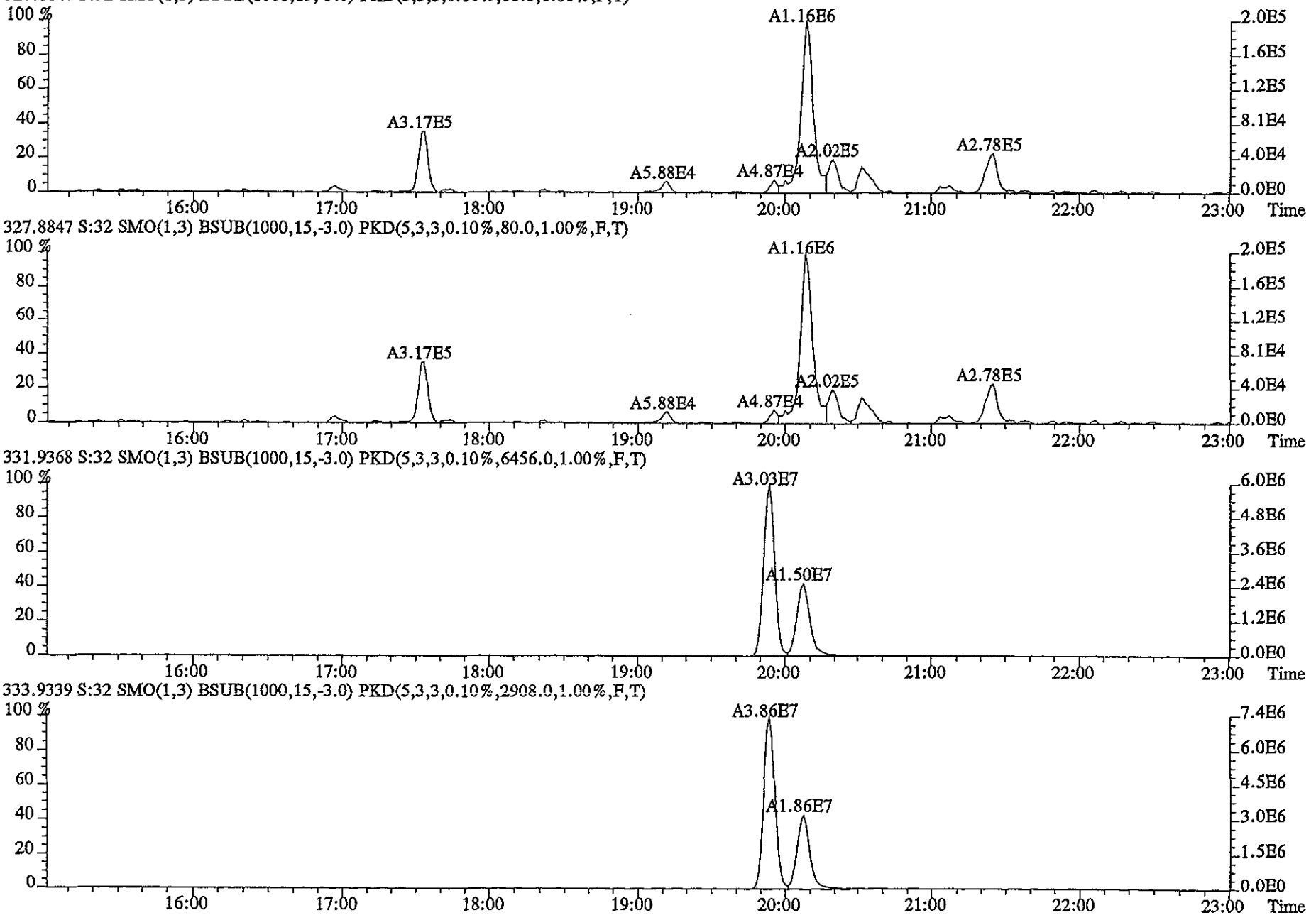




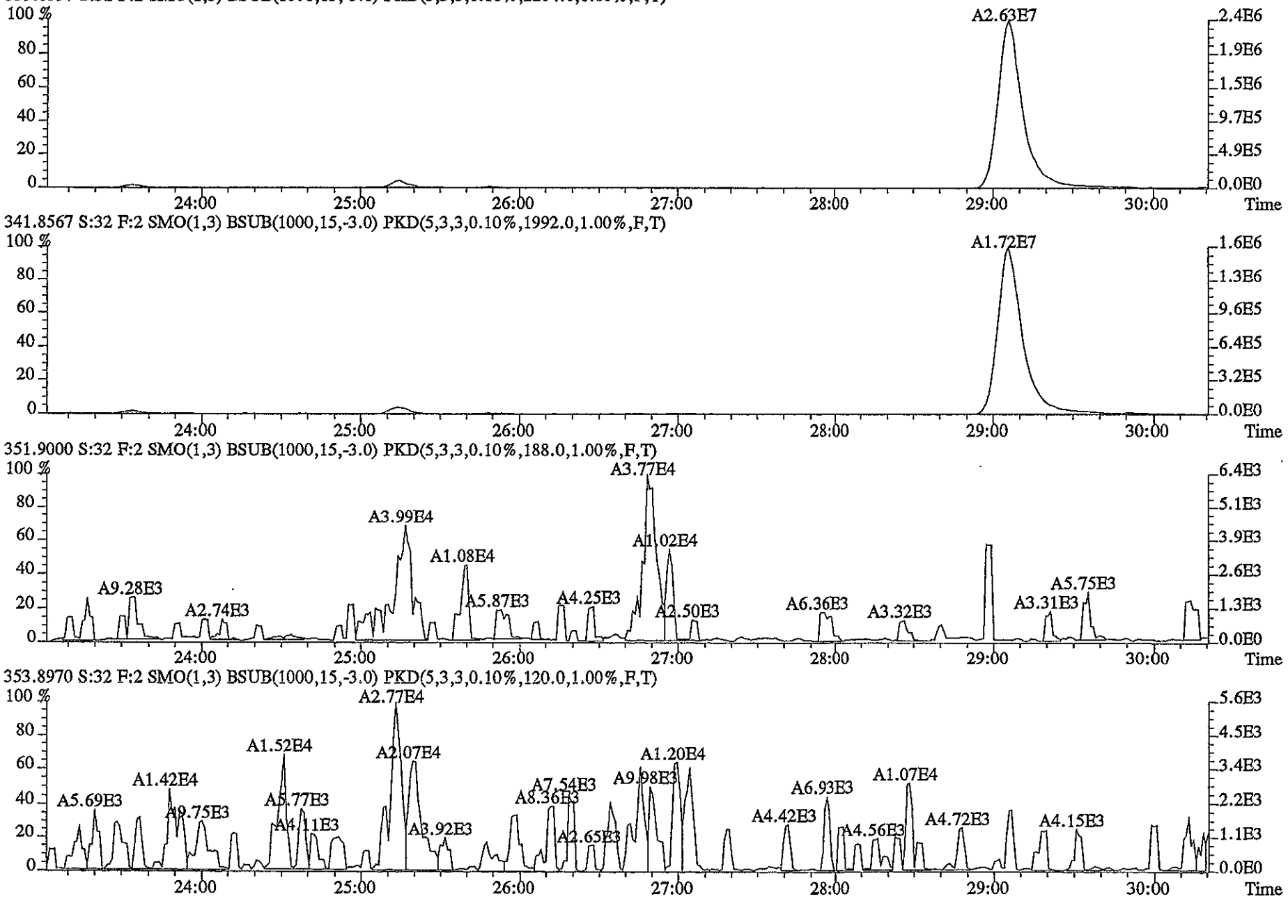




File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

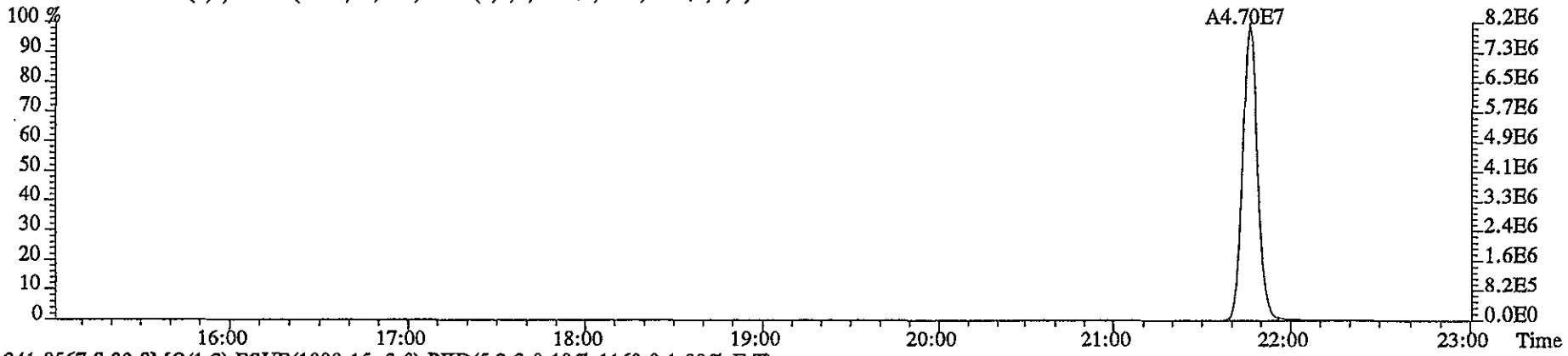


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

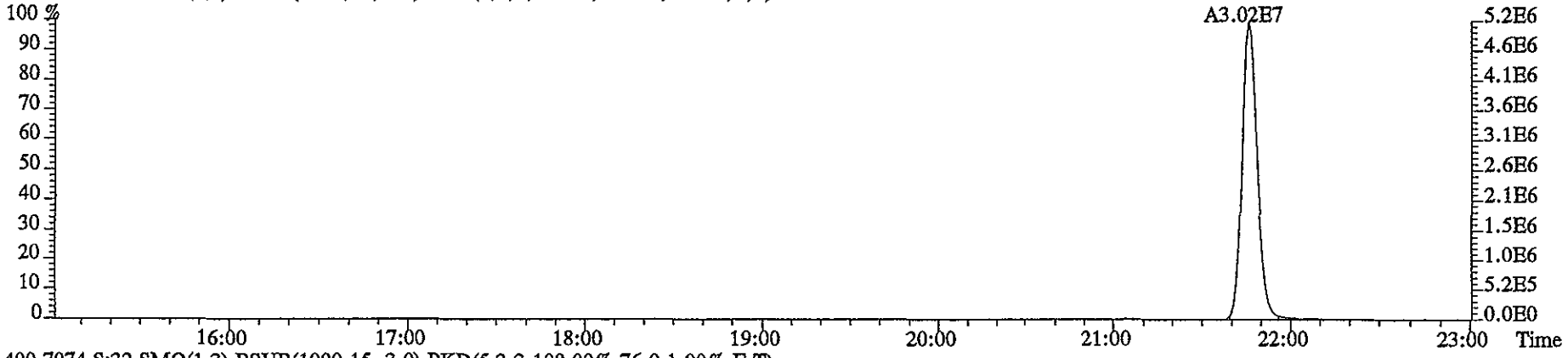


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

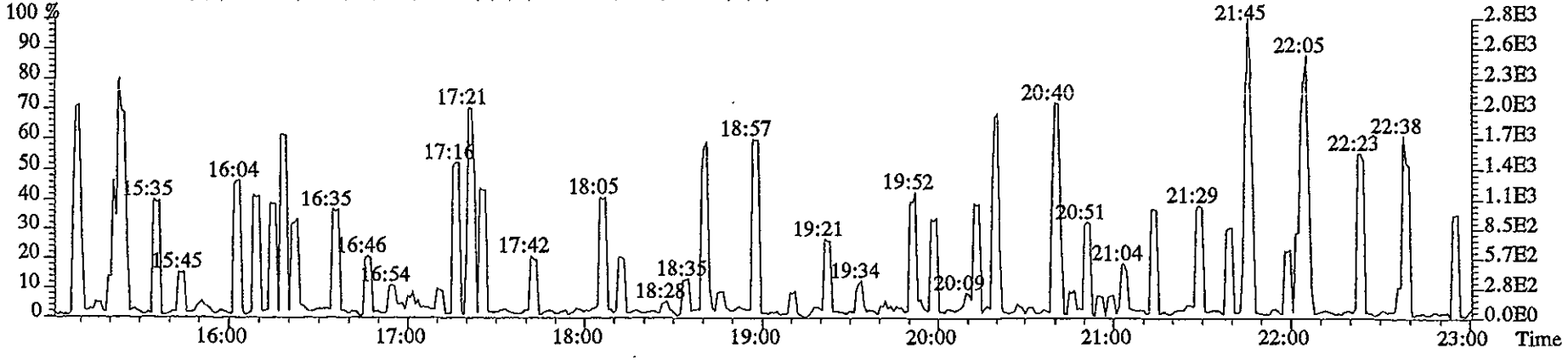
339.8597 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



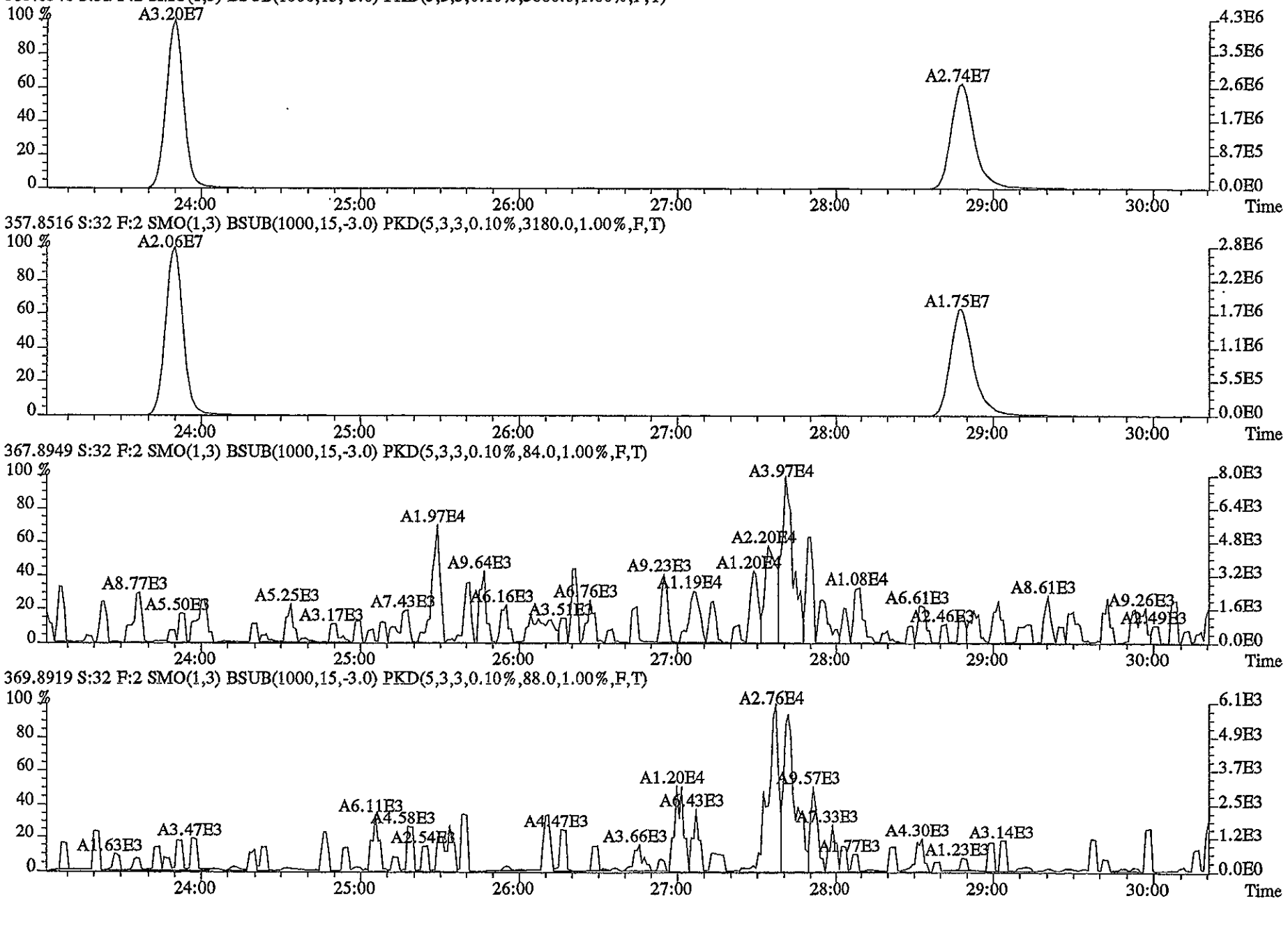
341.8567 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1168.0,1.00%,F,T)



409.7974 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,76.0,1.00%,F,T)

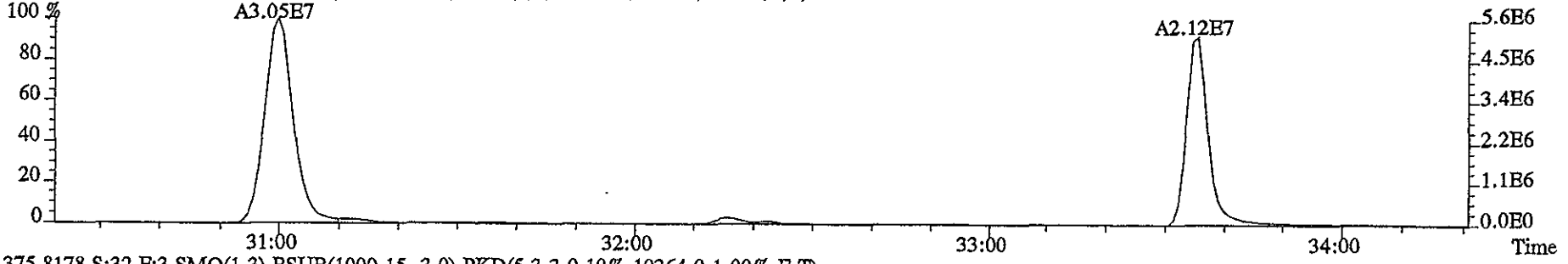


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

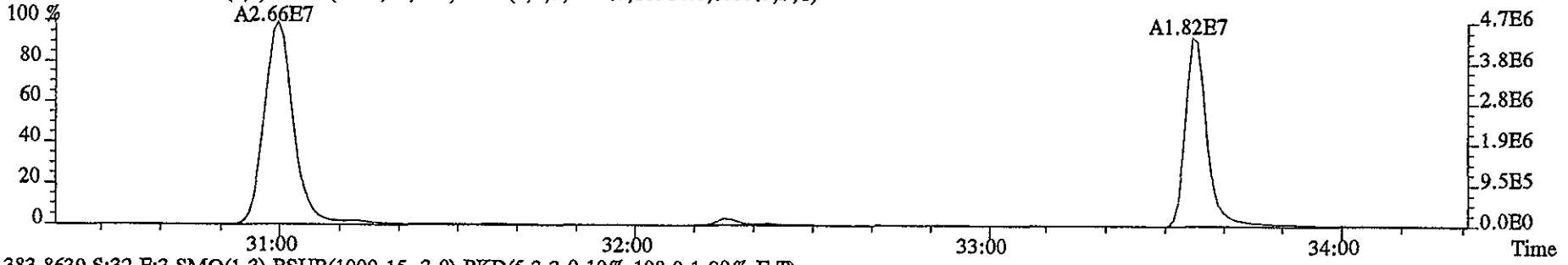


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

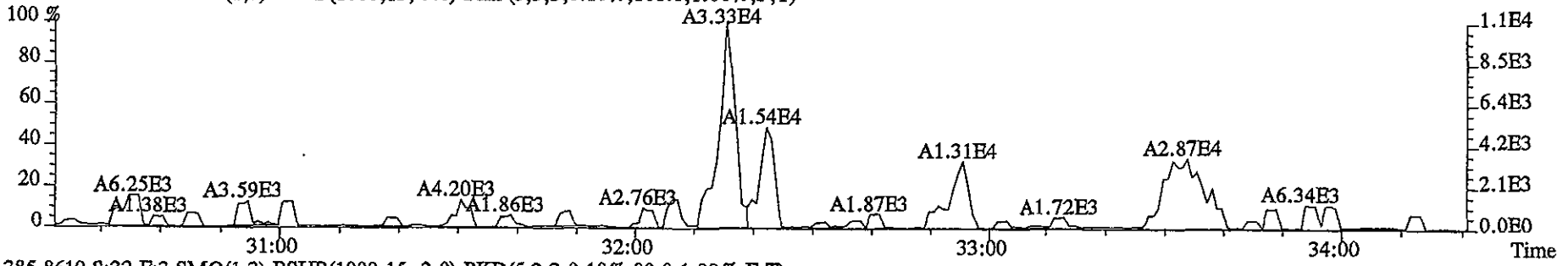
373.8208 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4128.0,1.00%,F,T)



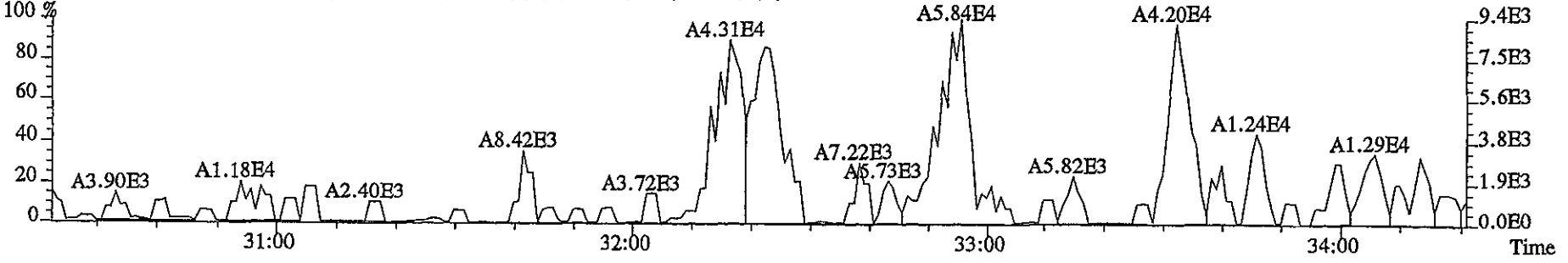
375.8178 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10364.0,1.00%,F,T)



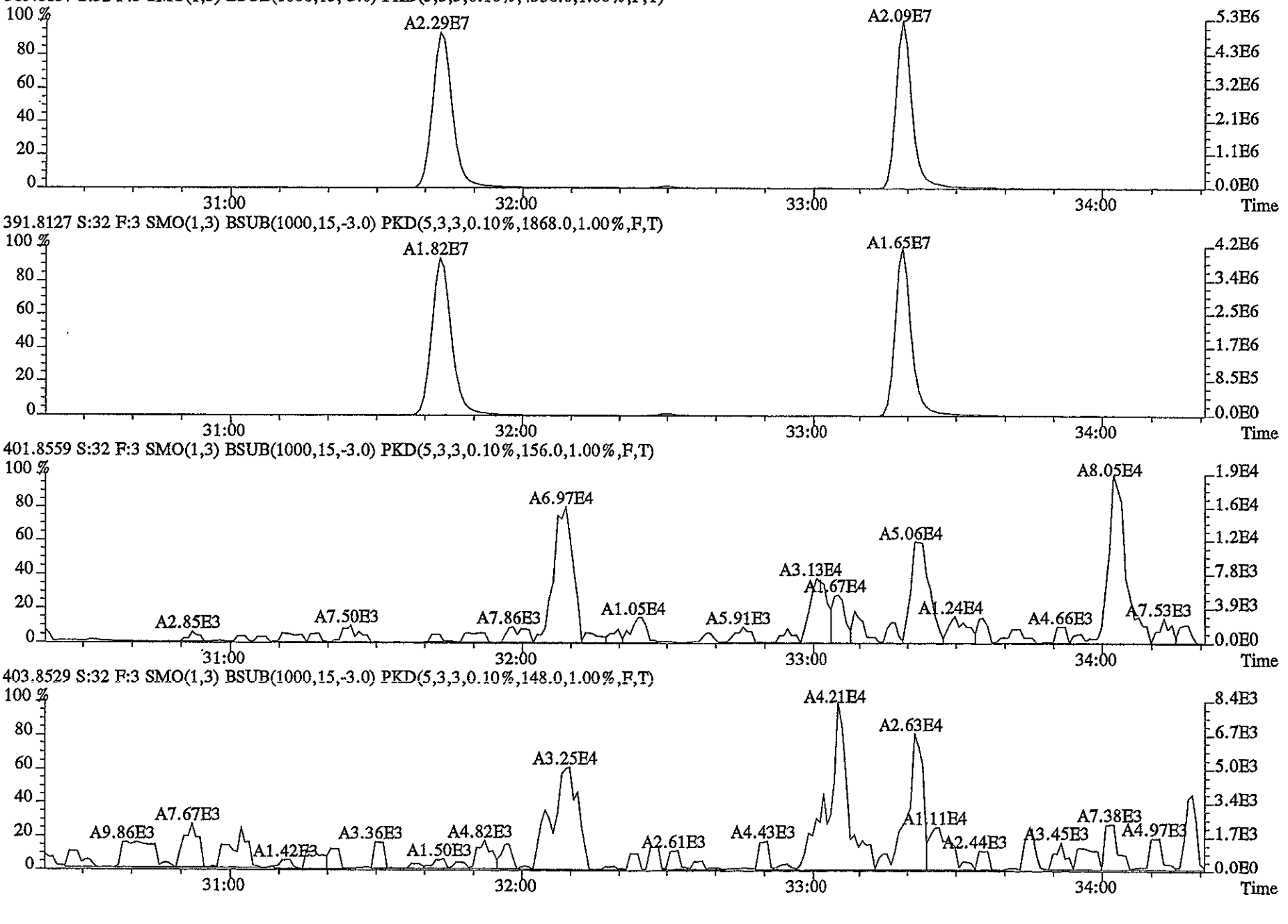
383.8639 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,108.0,1.00%,F,T)



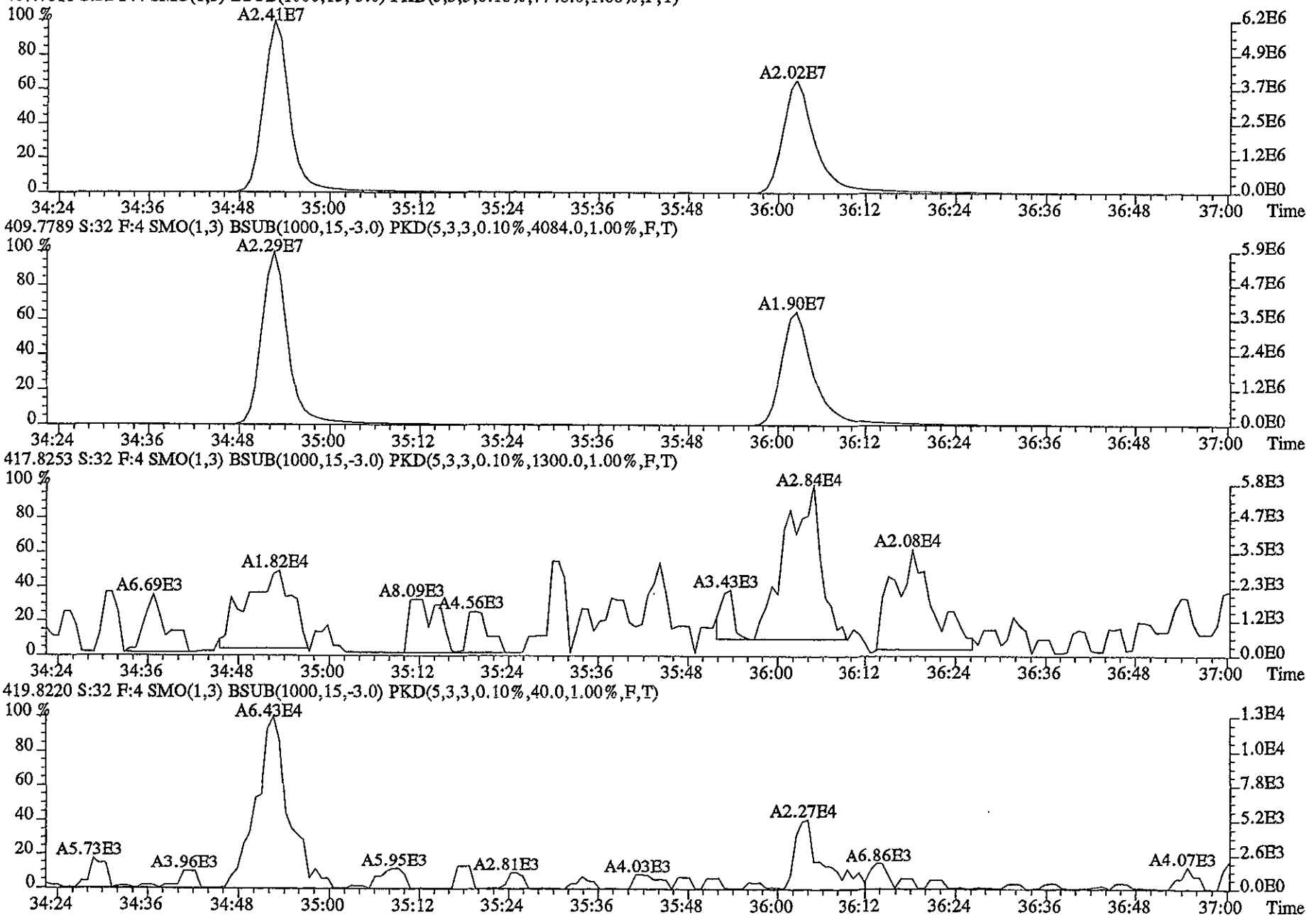
385.8610 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80.0,1.00%,F,T)



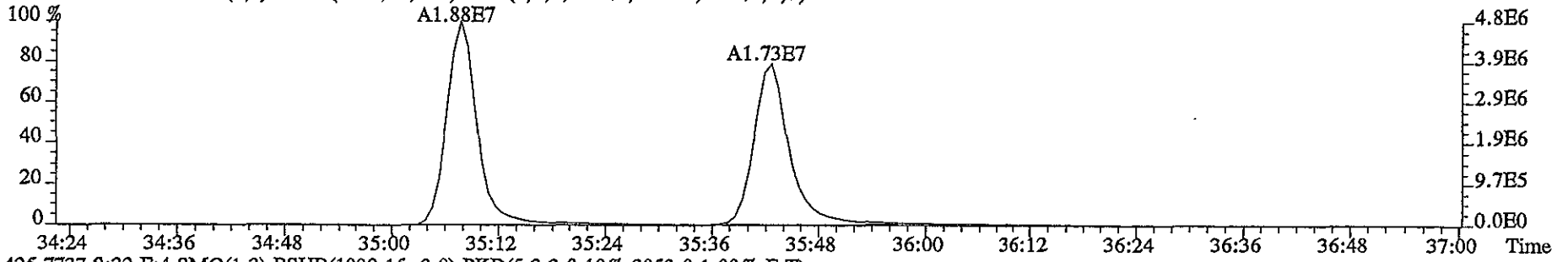
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

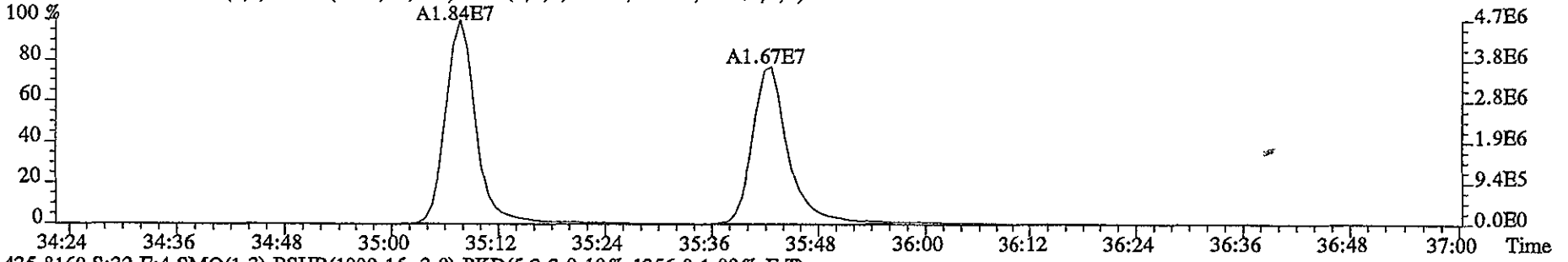


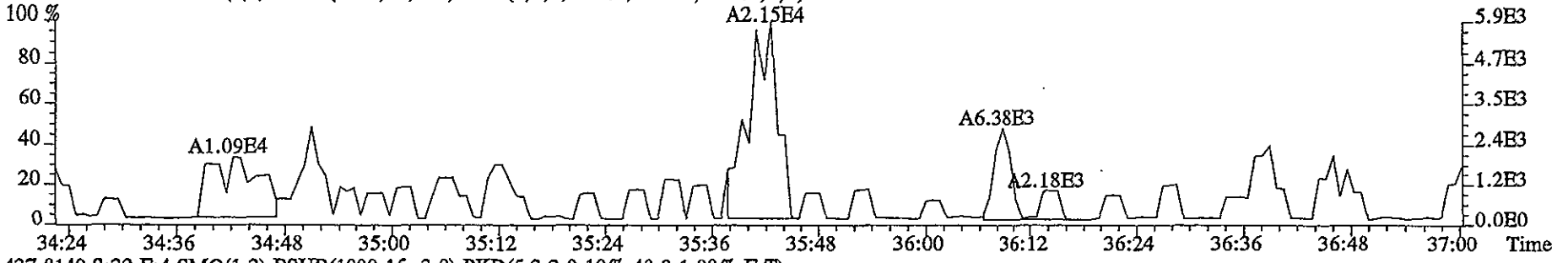
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

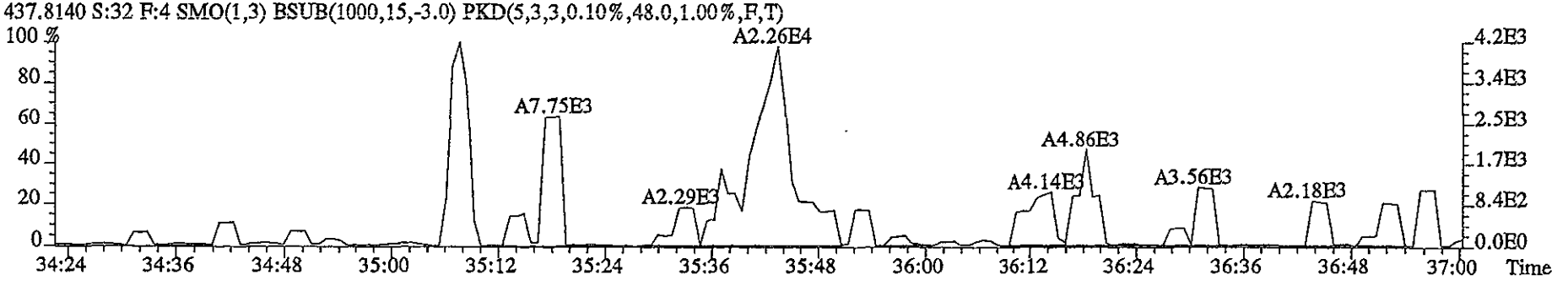


File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

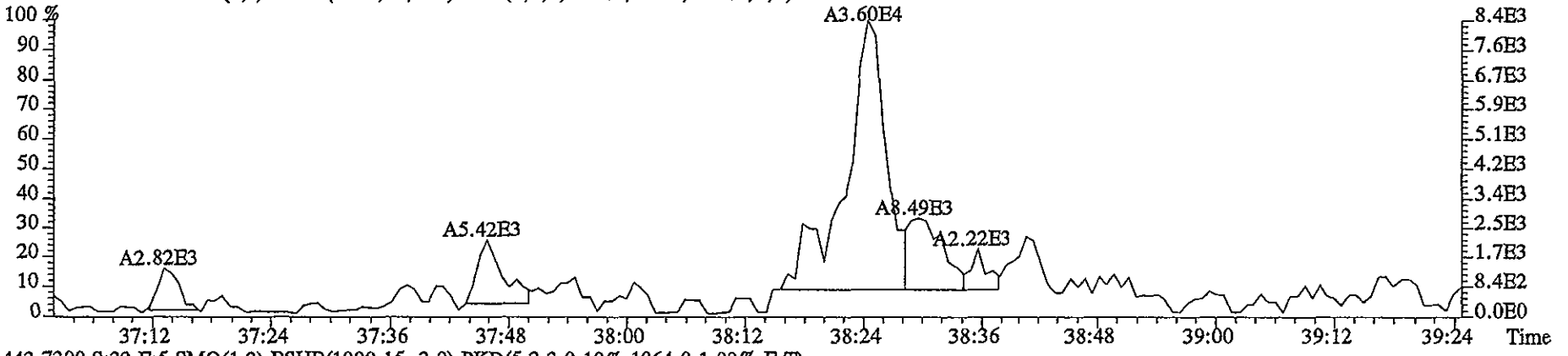




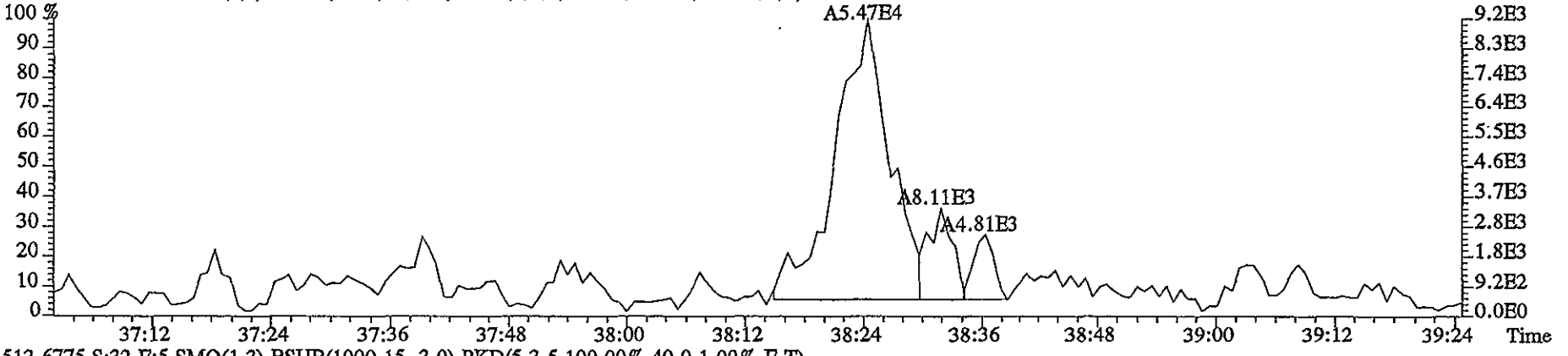




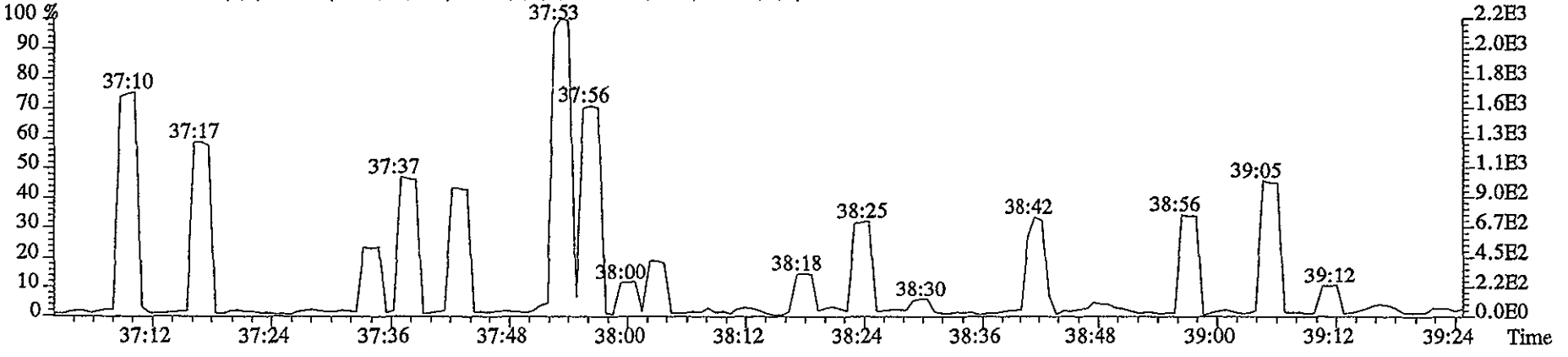
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,752.0,1.00%,F,T)



443.7399 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1064.0,1.00%,F,T)

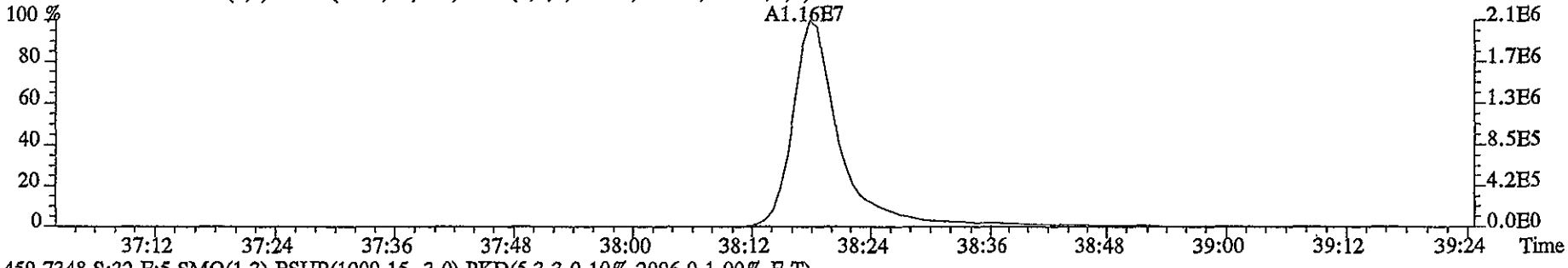


513.6775 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,40.0,1.00%,F,T)

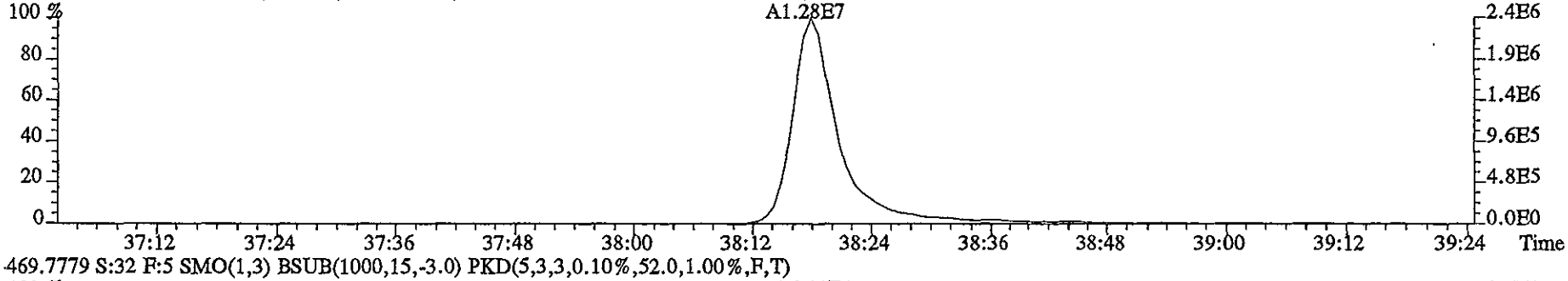


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES

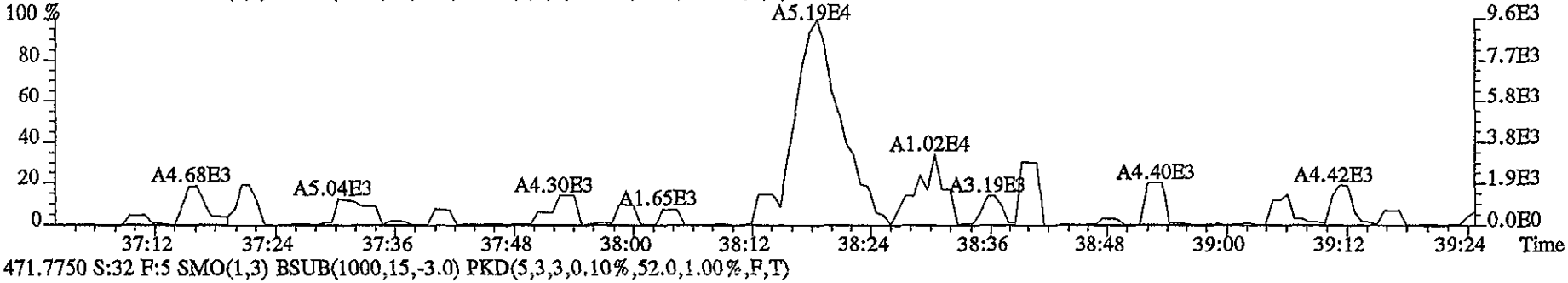
457.7377 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



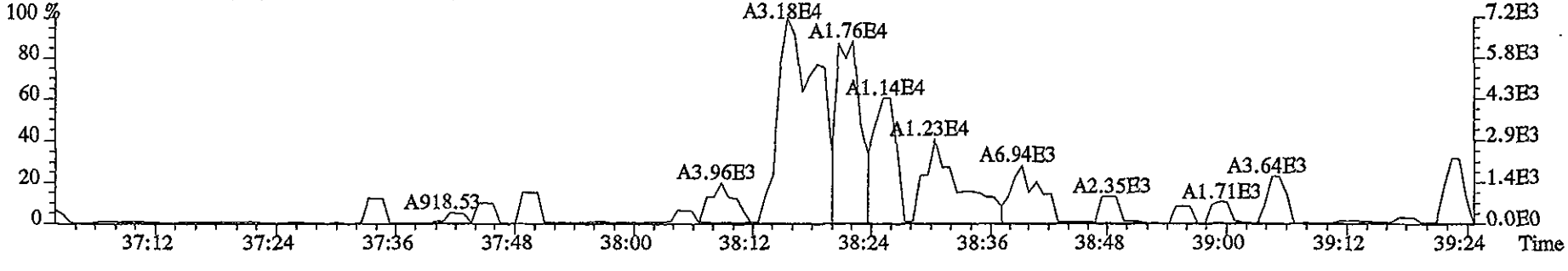
459.7348 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2096.0,1.00%,F,T)



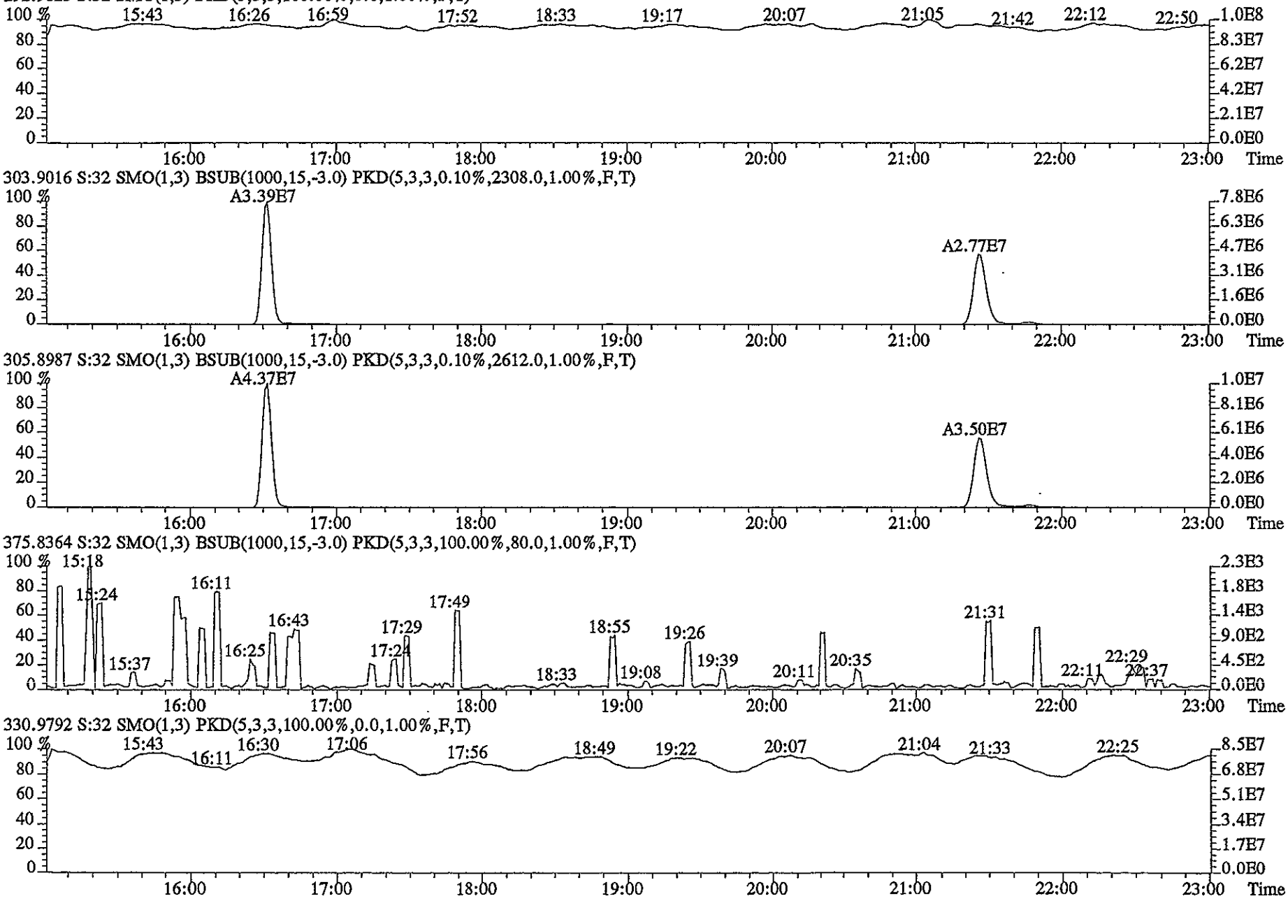
469.7779 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



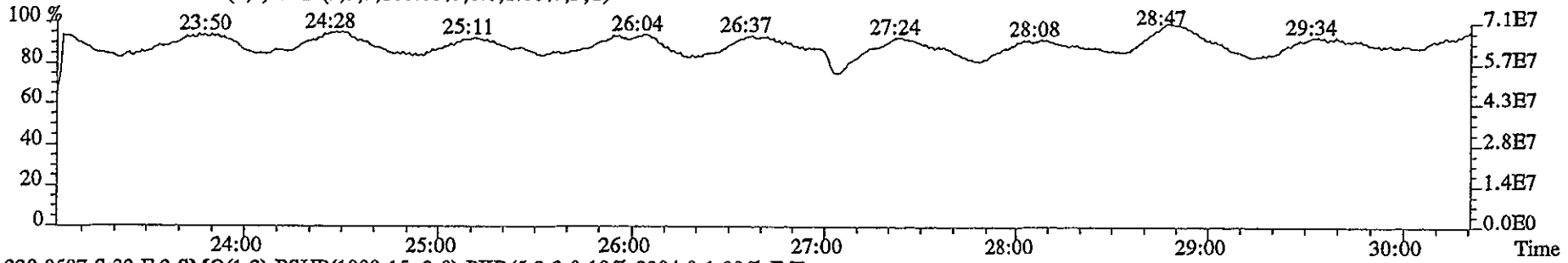
471.7750 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52.0,1.00%,F,T)



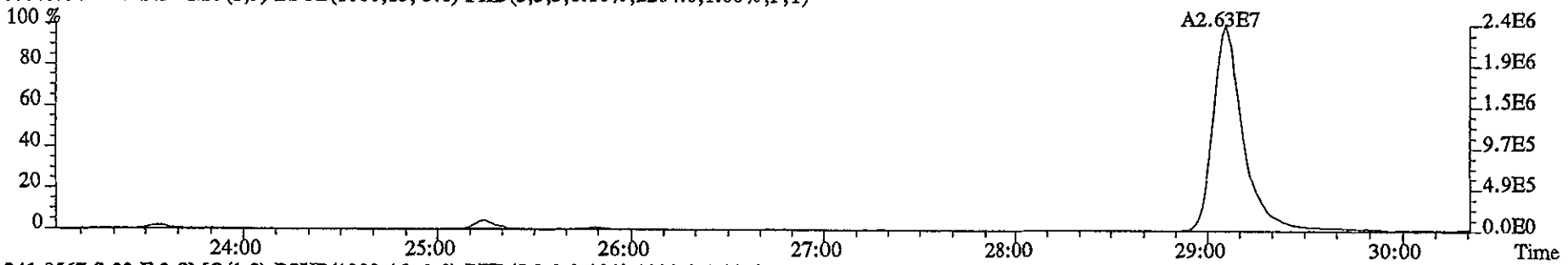
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES



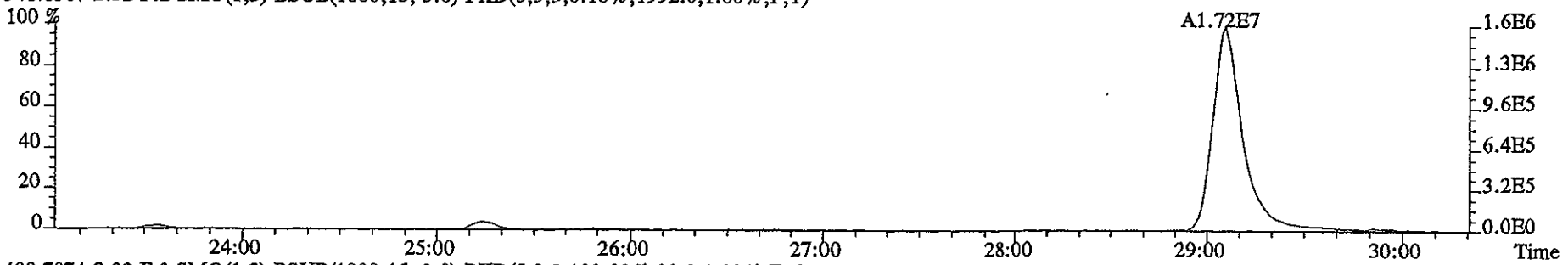
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES
342.9792 S:32 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



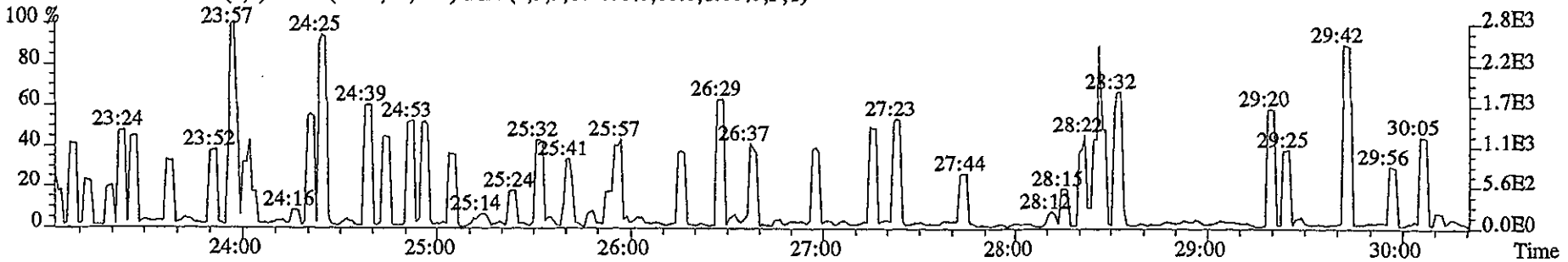
339.8597 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2204.0,1.00%,F,T)



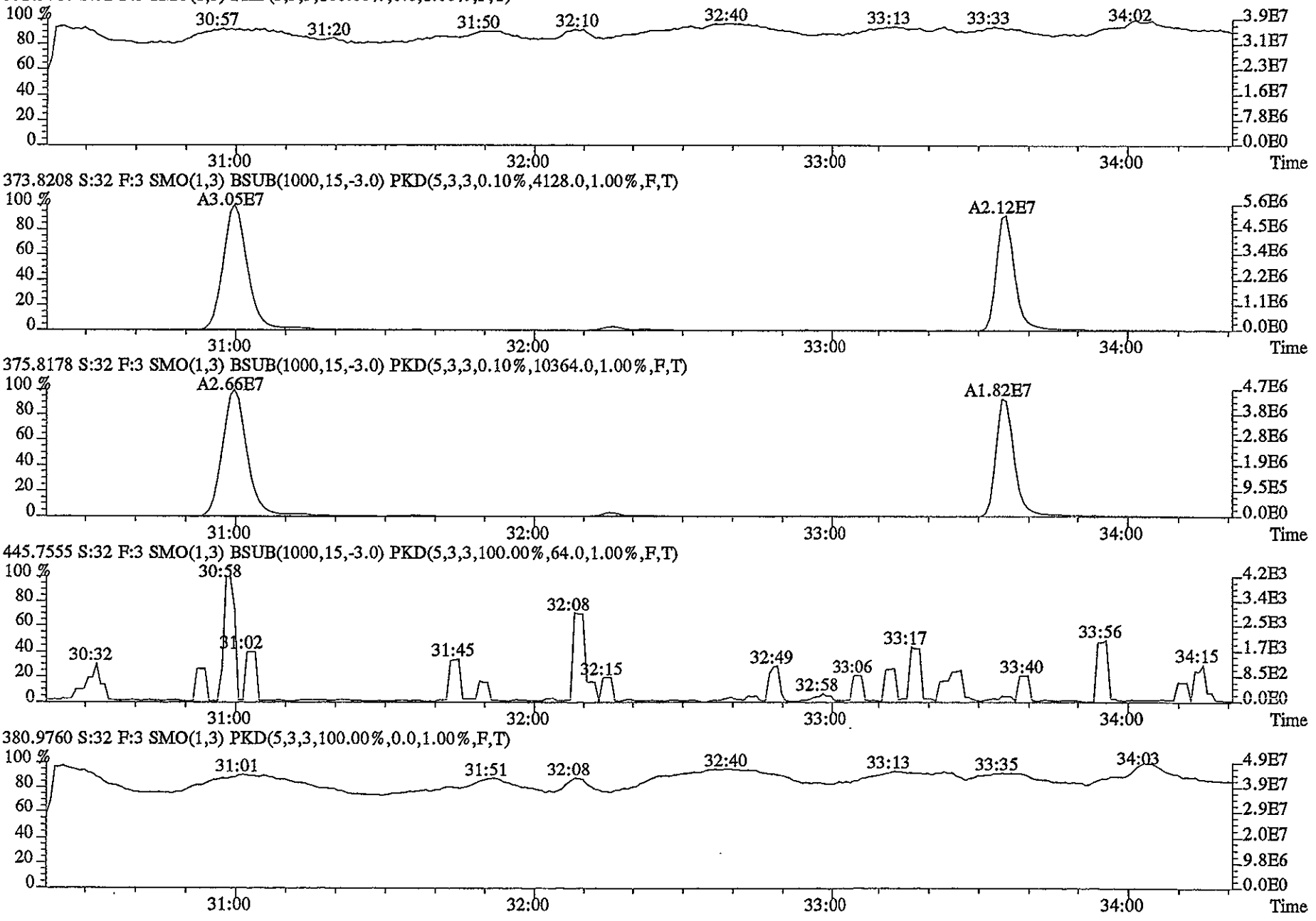
341.8567 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1992.0,1.00%,F,T)



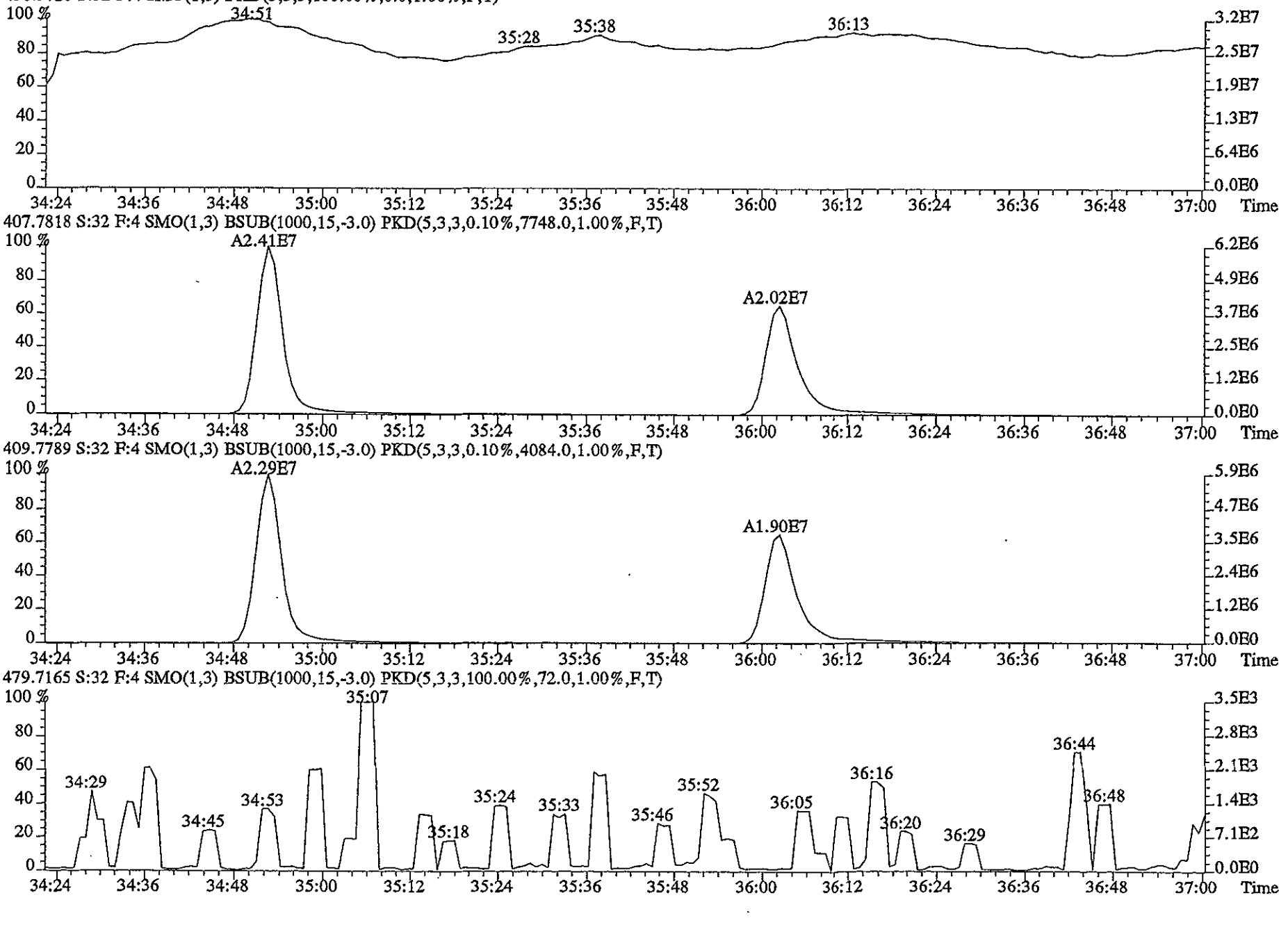
409.7974 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)



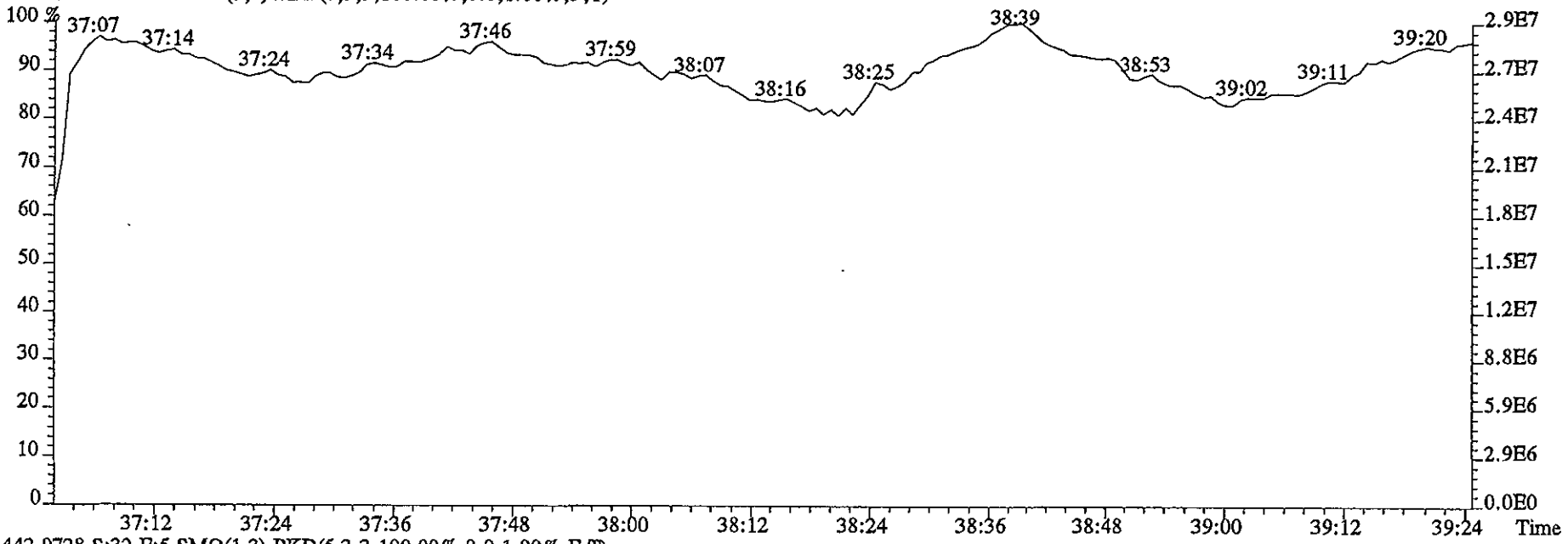
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES



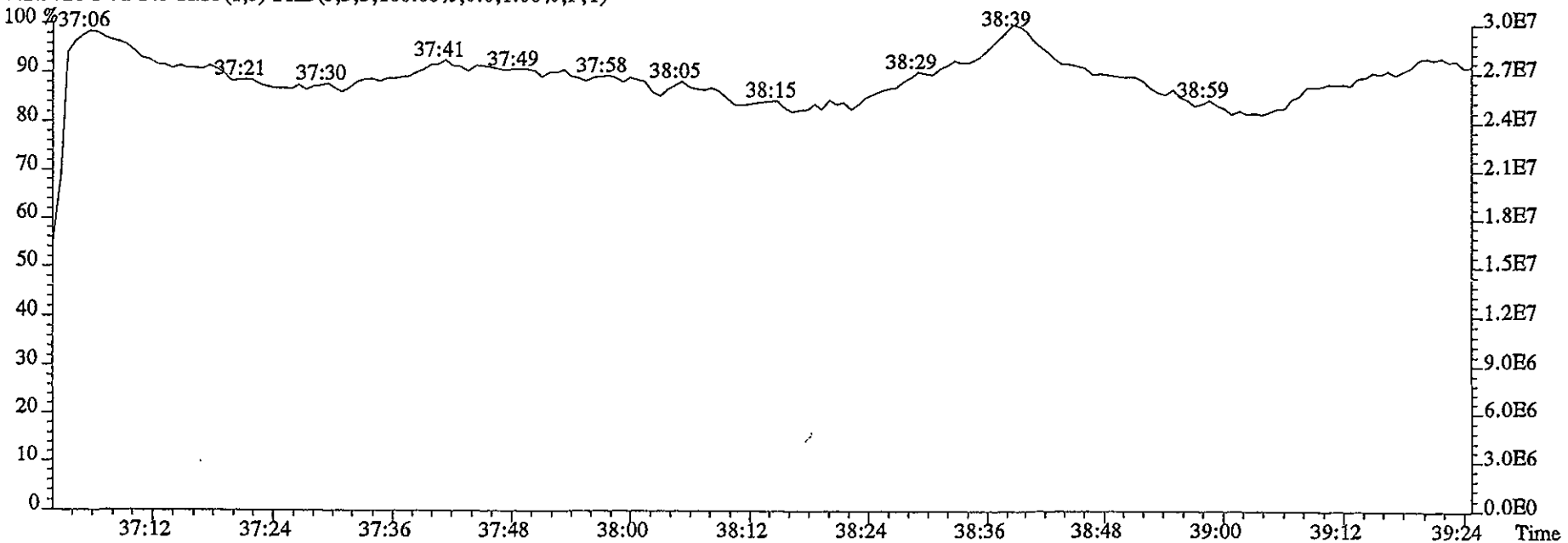
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES



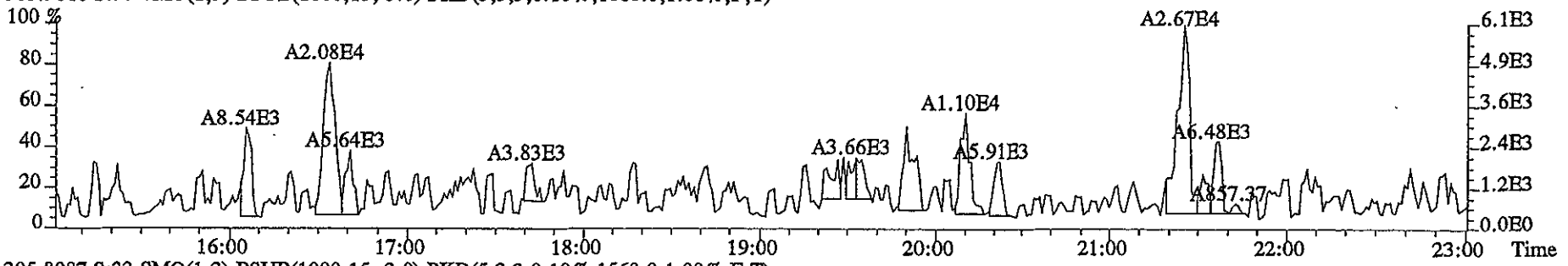
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:14:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#32 Text:CP0913B :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

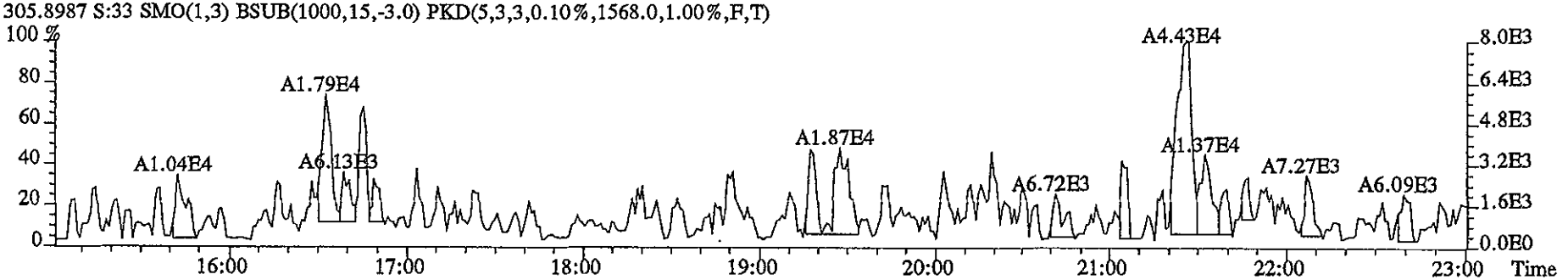


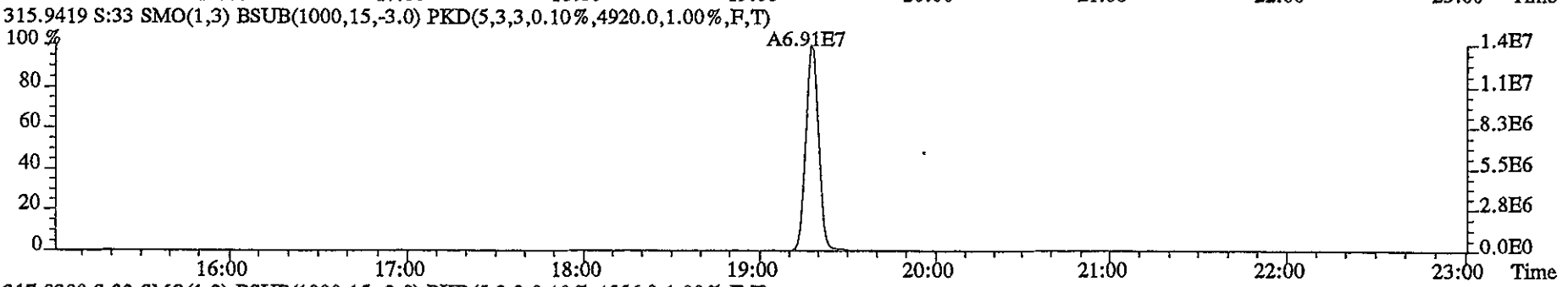
442.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

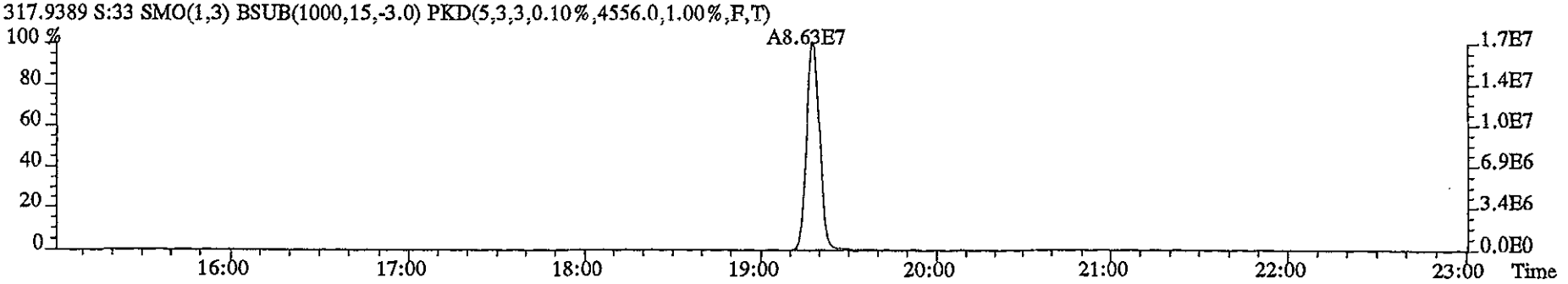


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

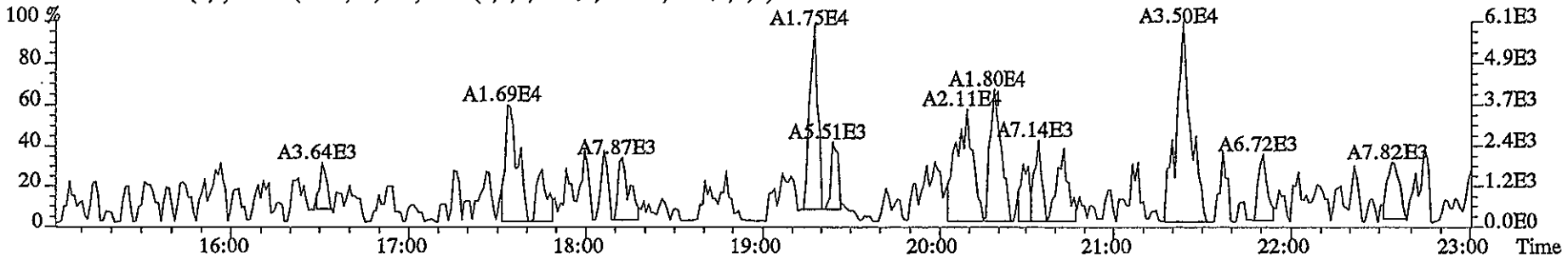


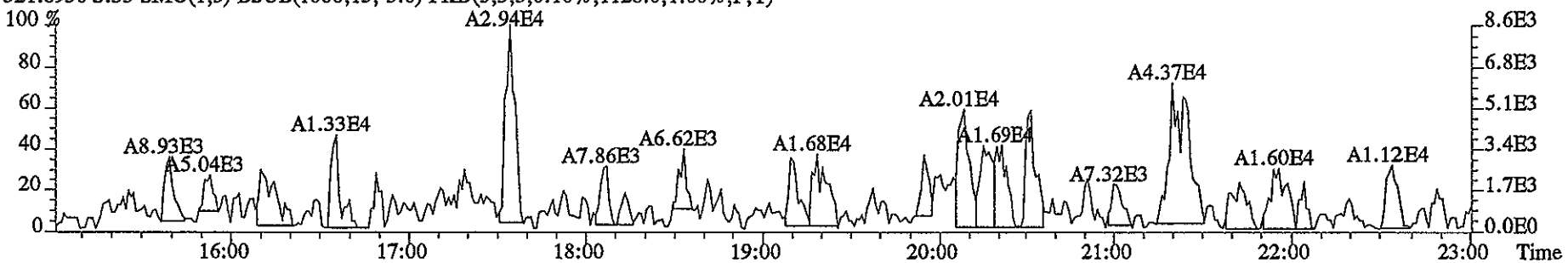


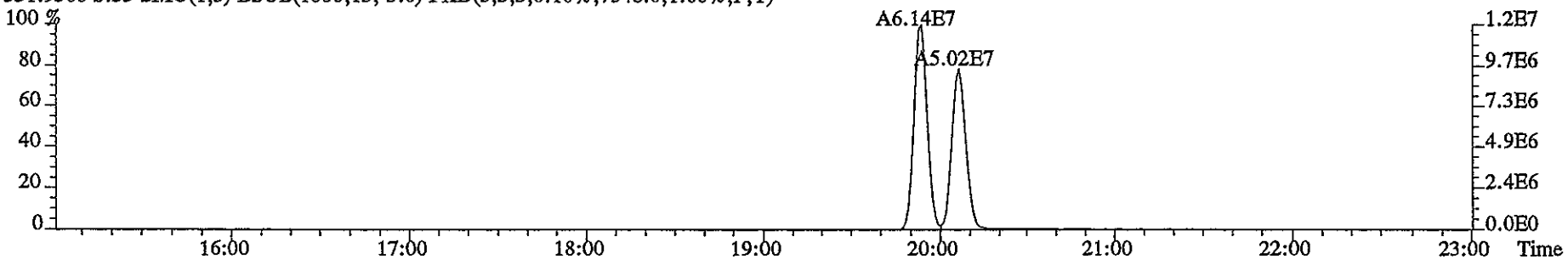


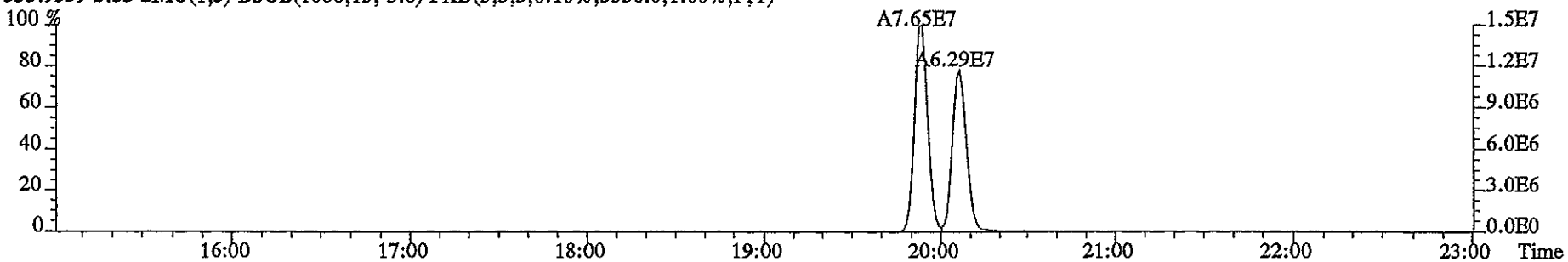


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

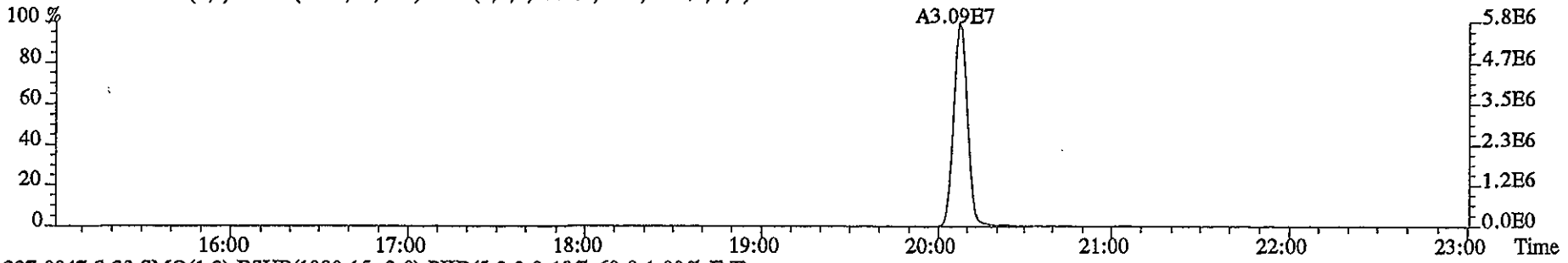


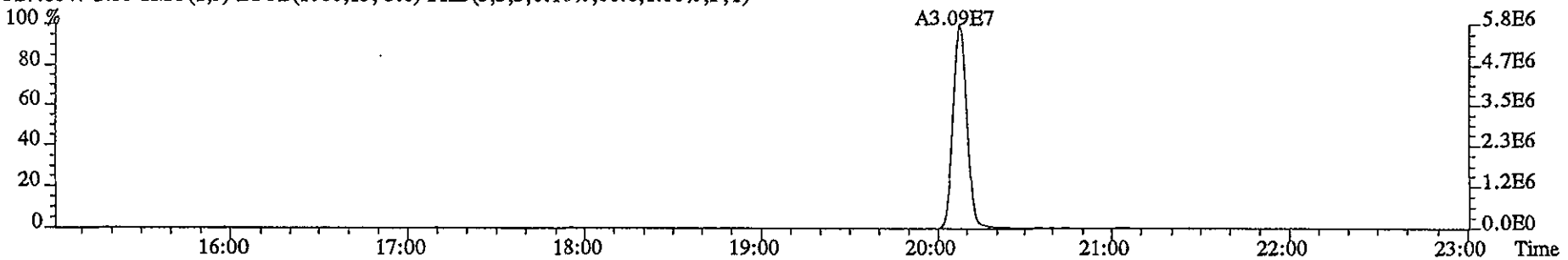


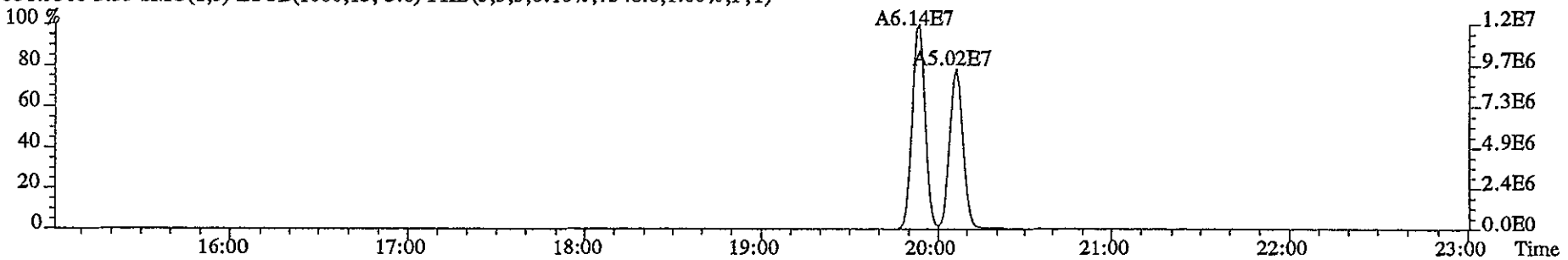


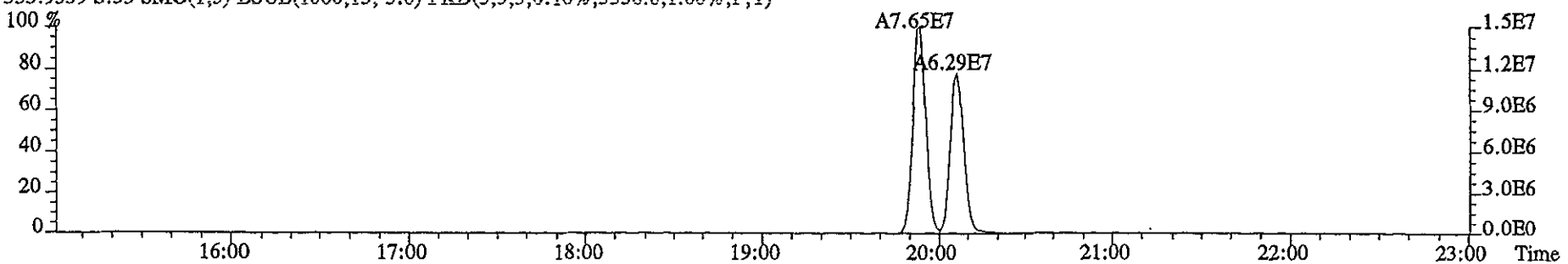


File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



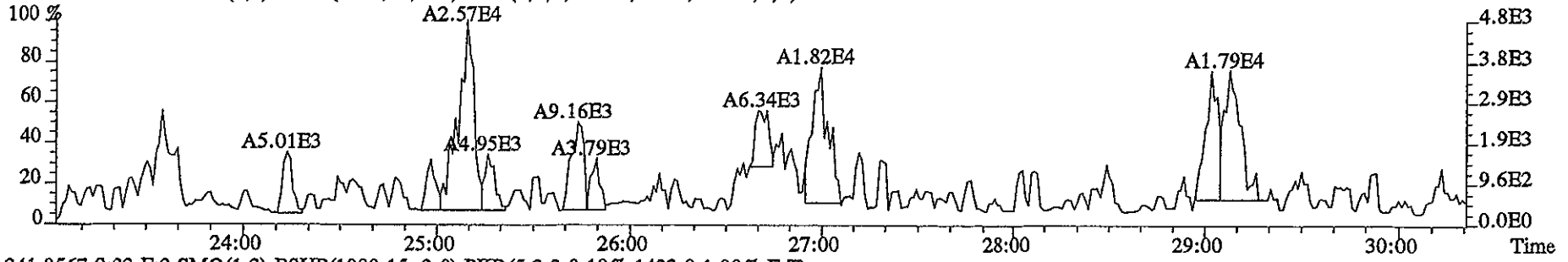




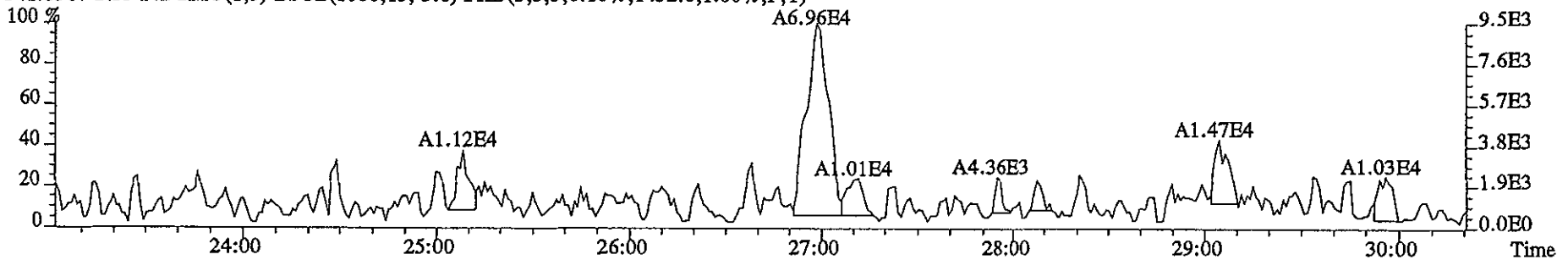


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

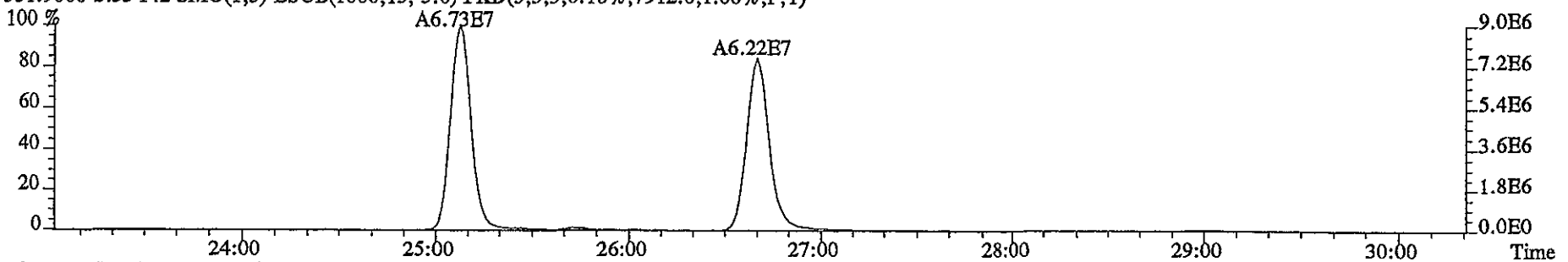
339.8597 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,760.0,1.00%,F,T)



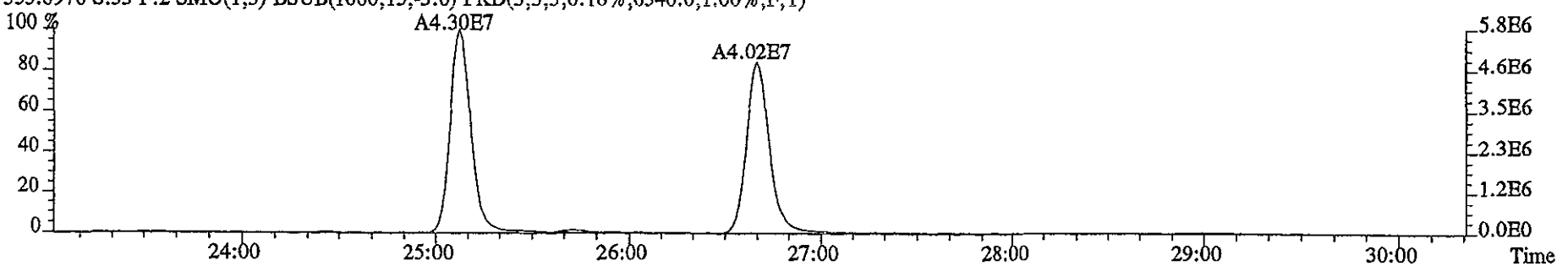
341.8567 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1432.0,1.00%,F,T)



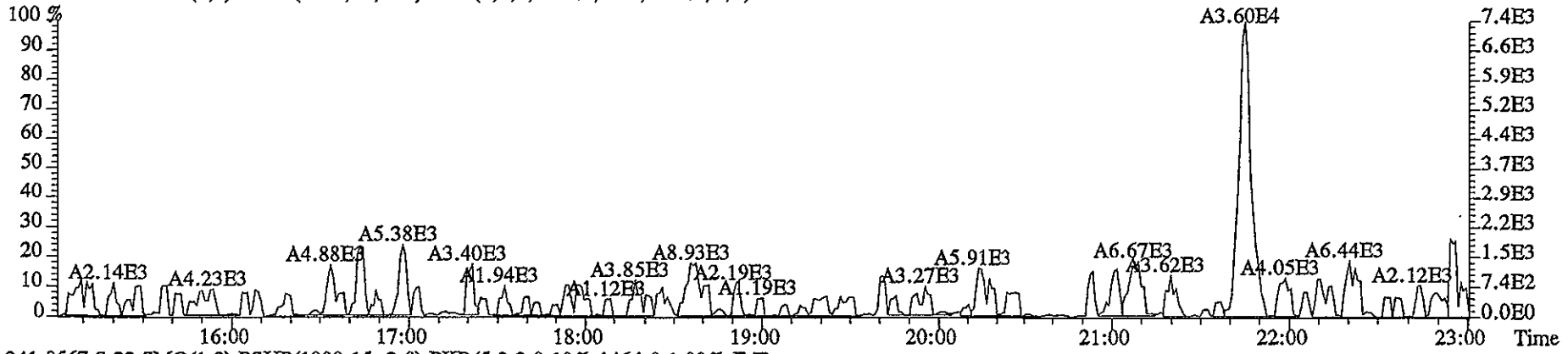
351.9000 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7912.0,1.00%,F,T)



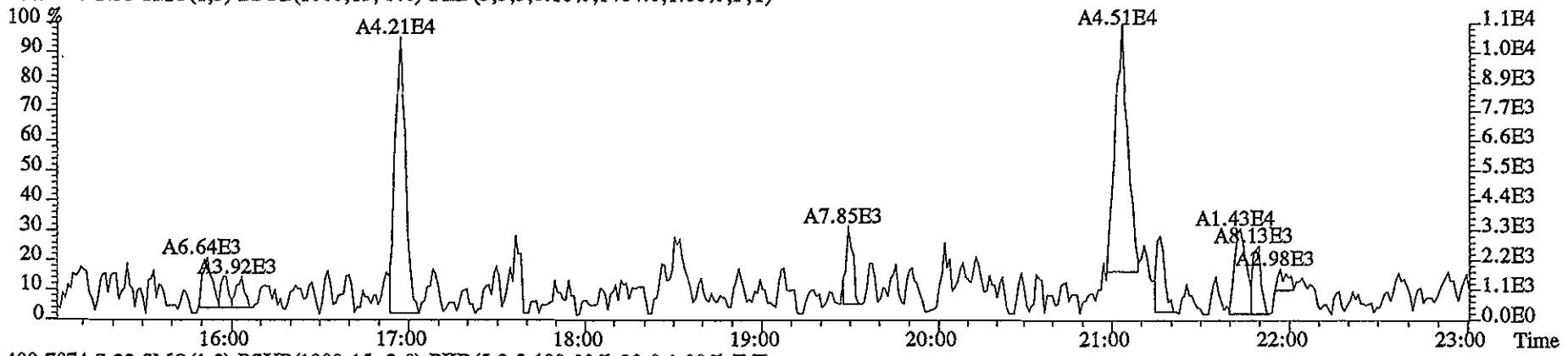
353.8970 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6340.0,1.00%,F,T)



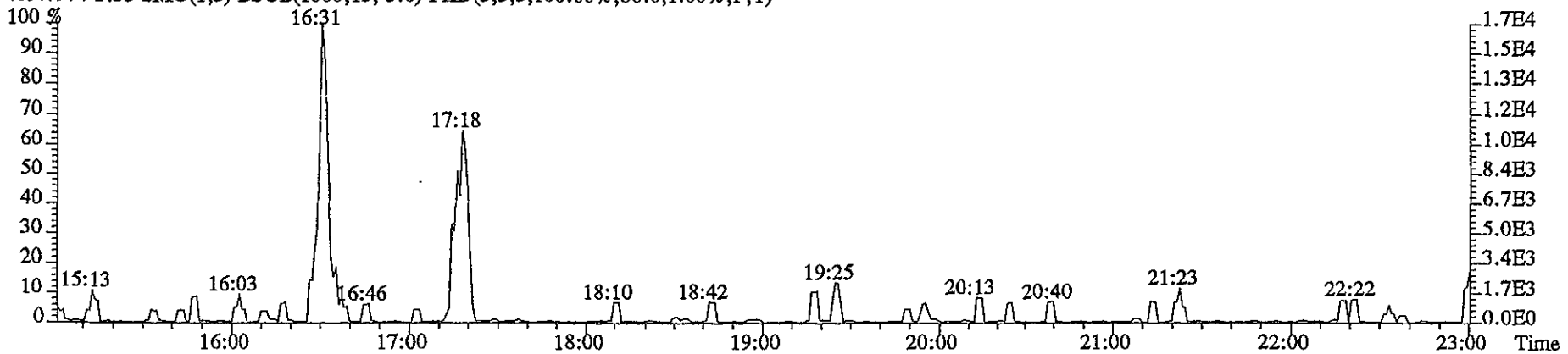
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES
339.8597 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



341.8567 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1464.0,1.00%,F,T)

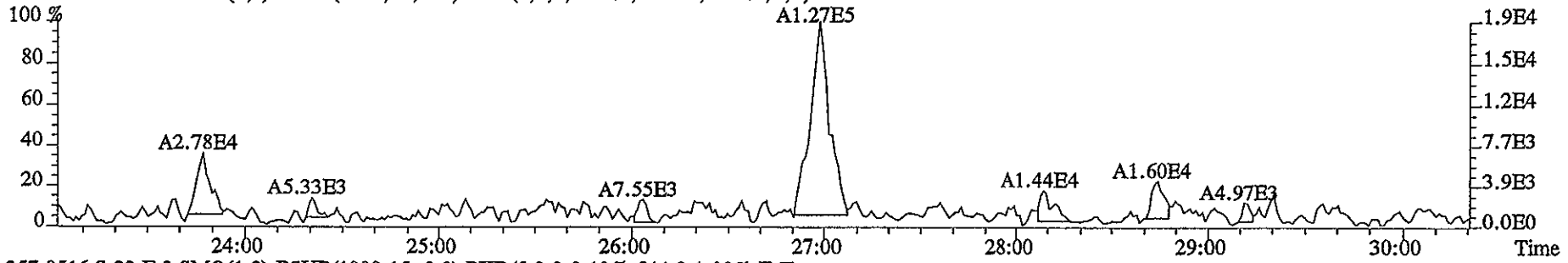


409.7974 S:33 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)

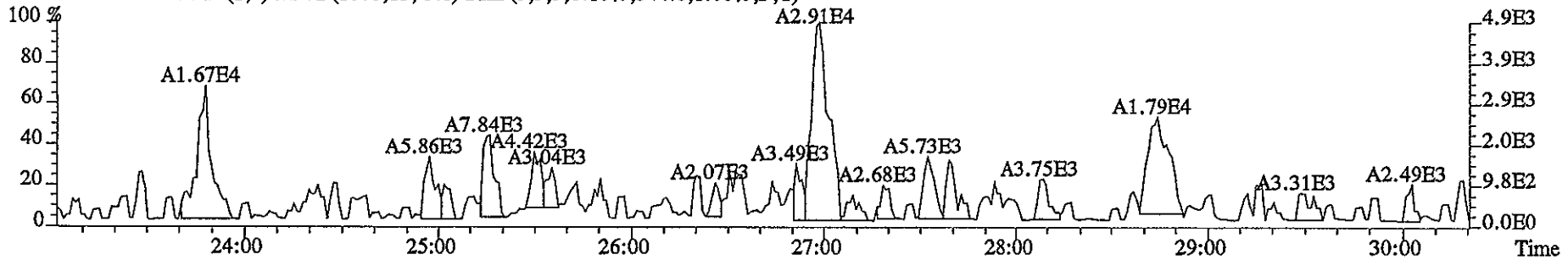


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

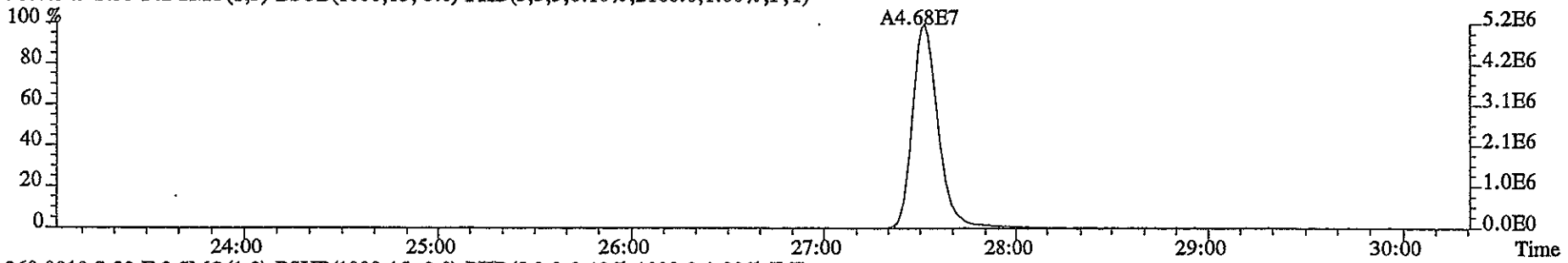
355.8546 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1724.0,1.00%,F,T)



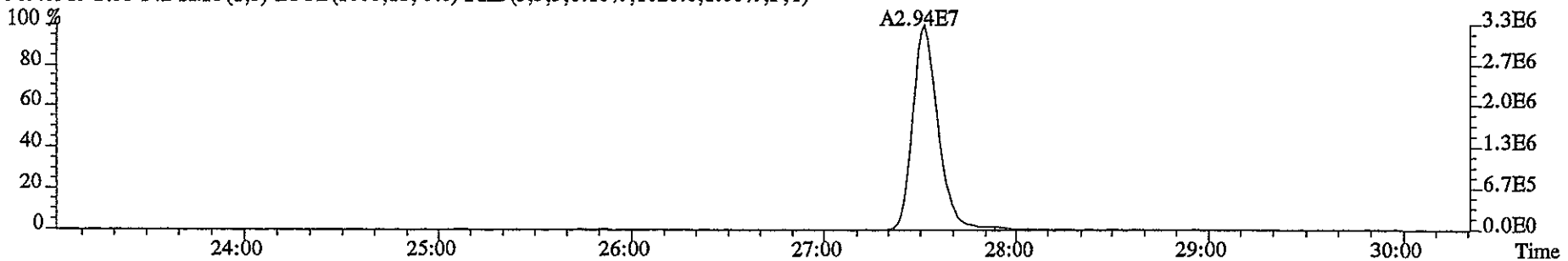
357.8516 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,544.0,1.00%,F,T)



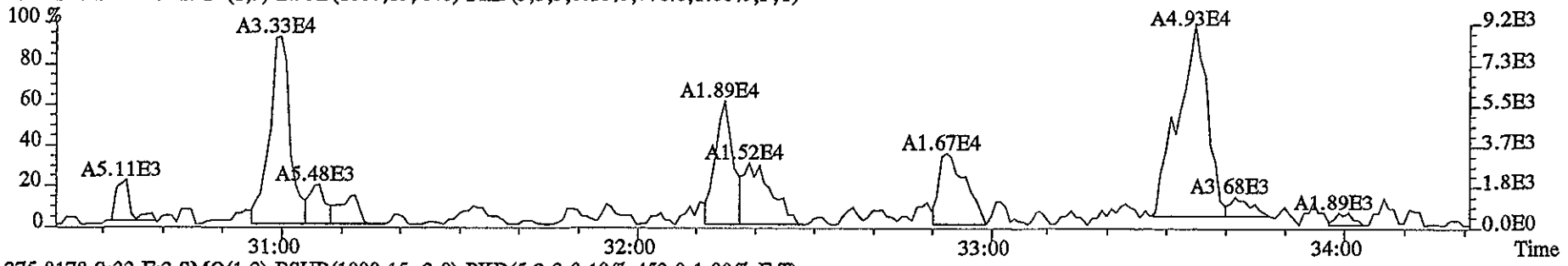
367.8949 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2168.0,1.00%,F,T)

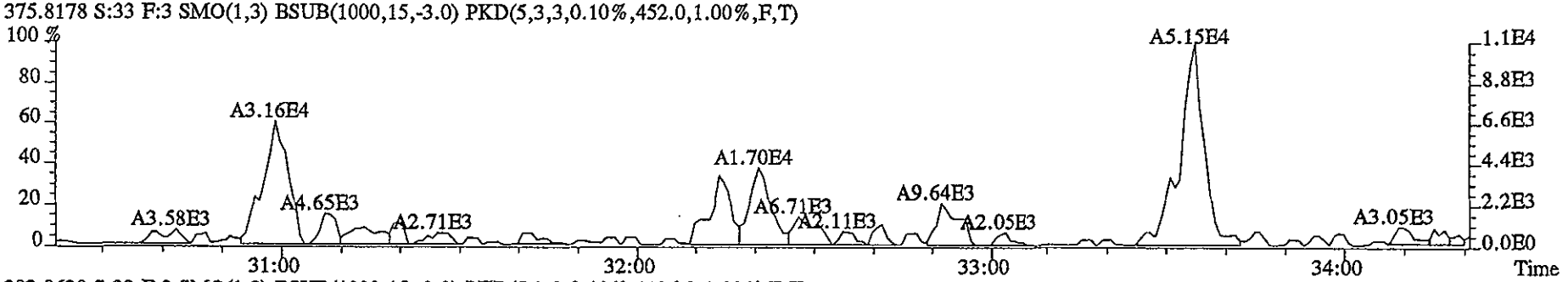


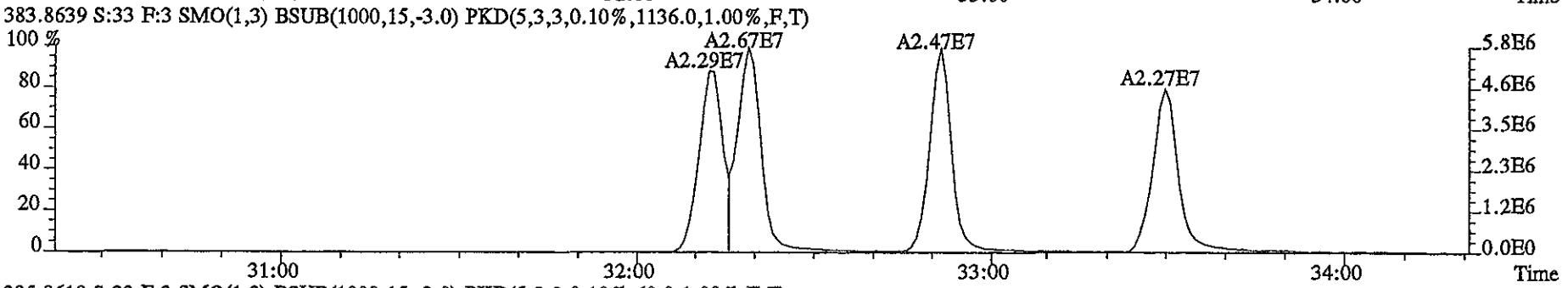
369.8919 S:33 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1028.0,1.00%,F,T)

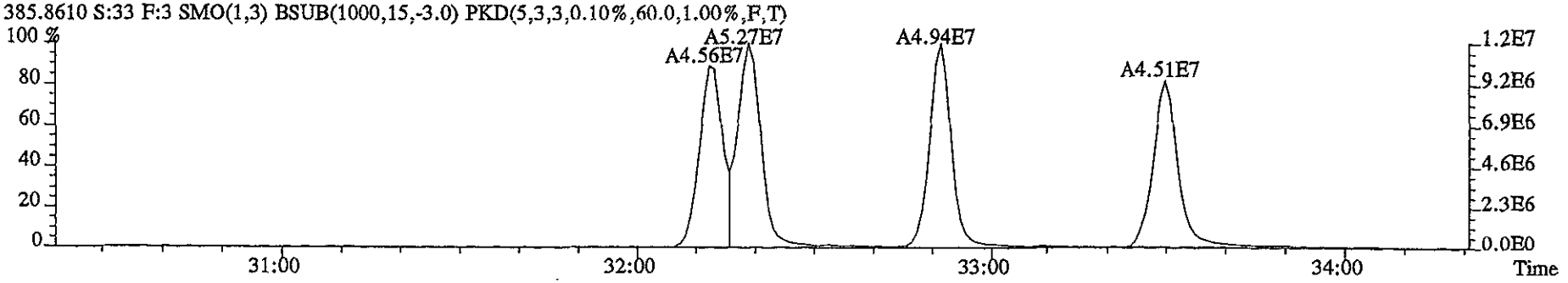


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

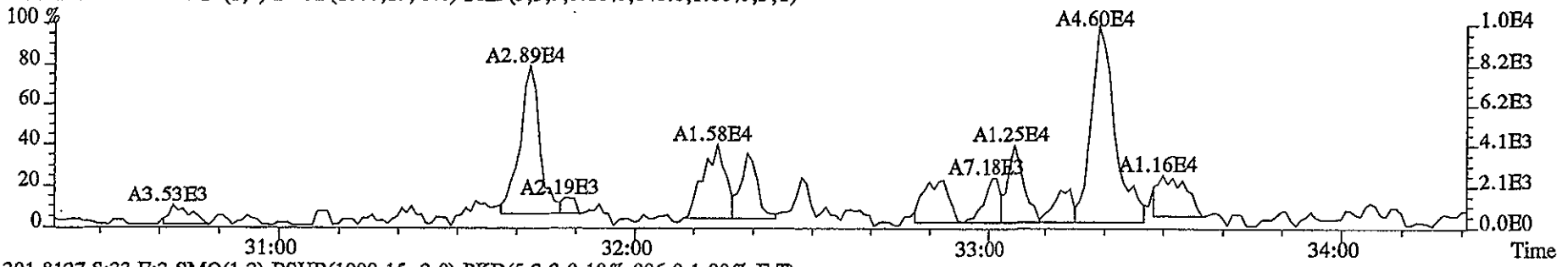


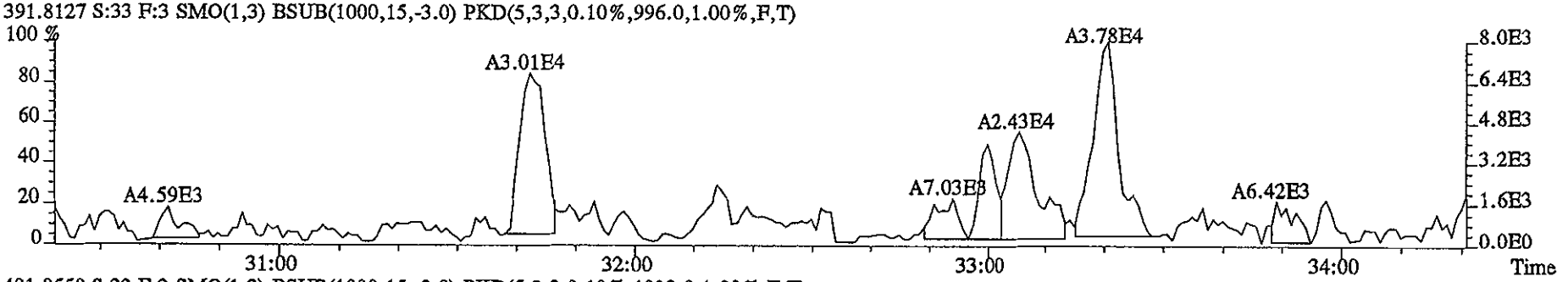


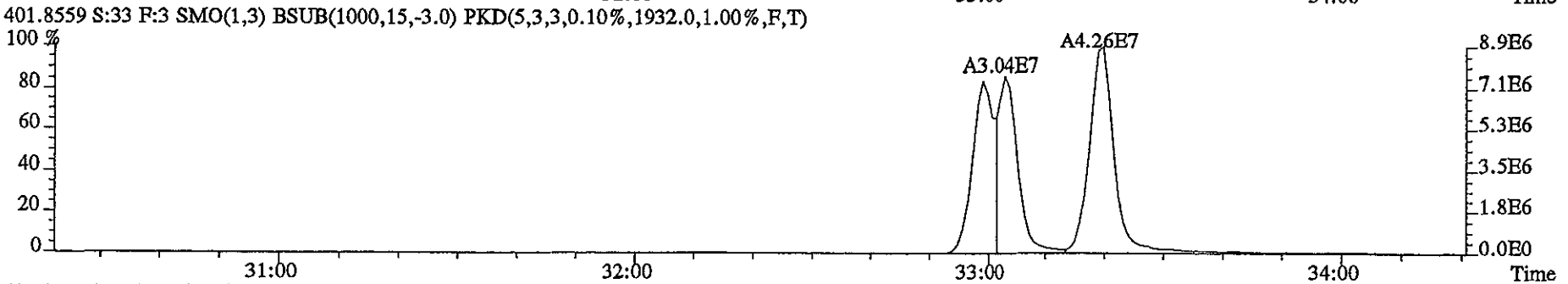


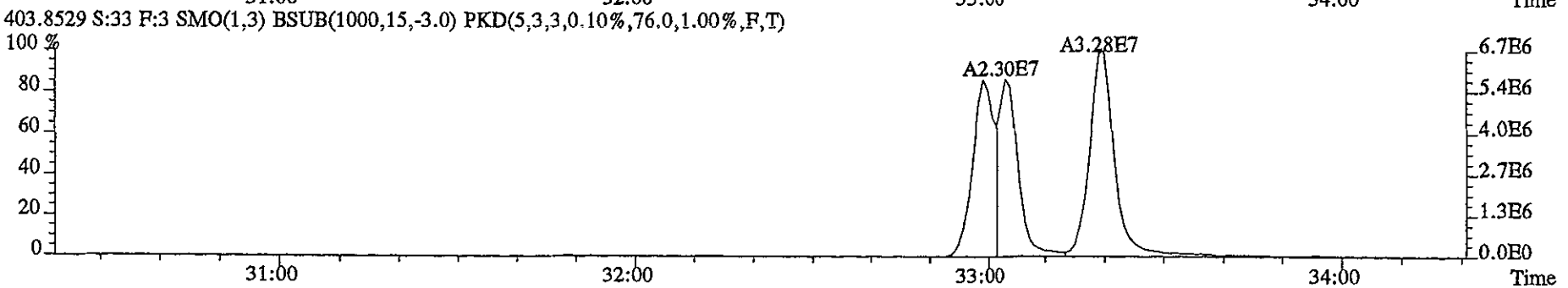


File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

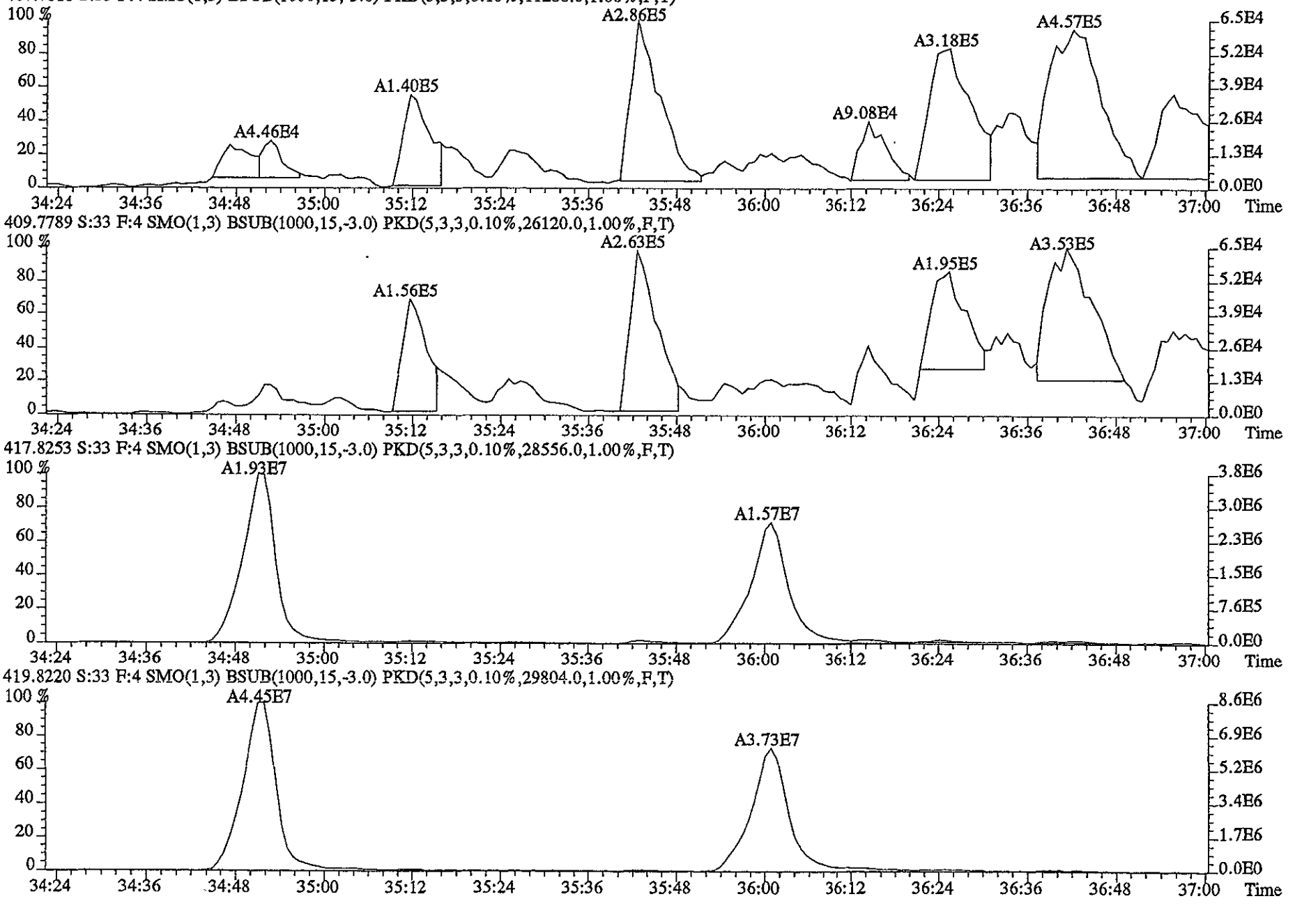




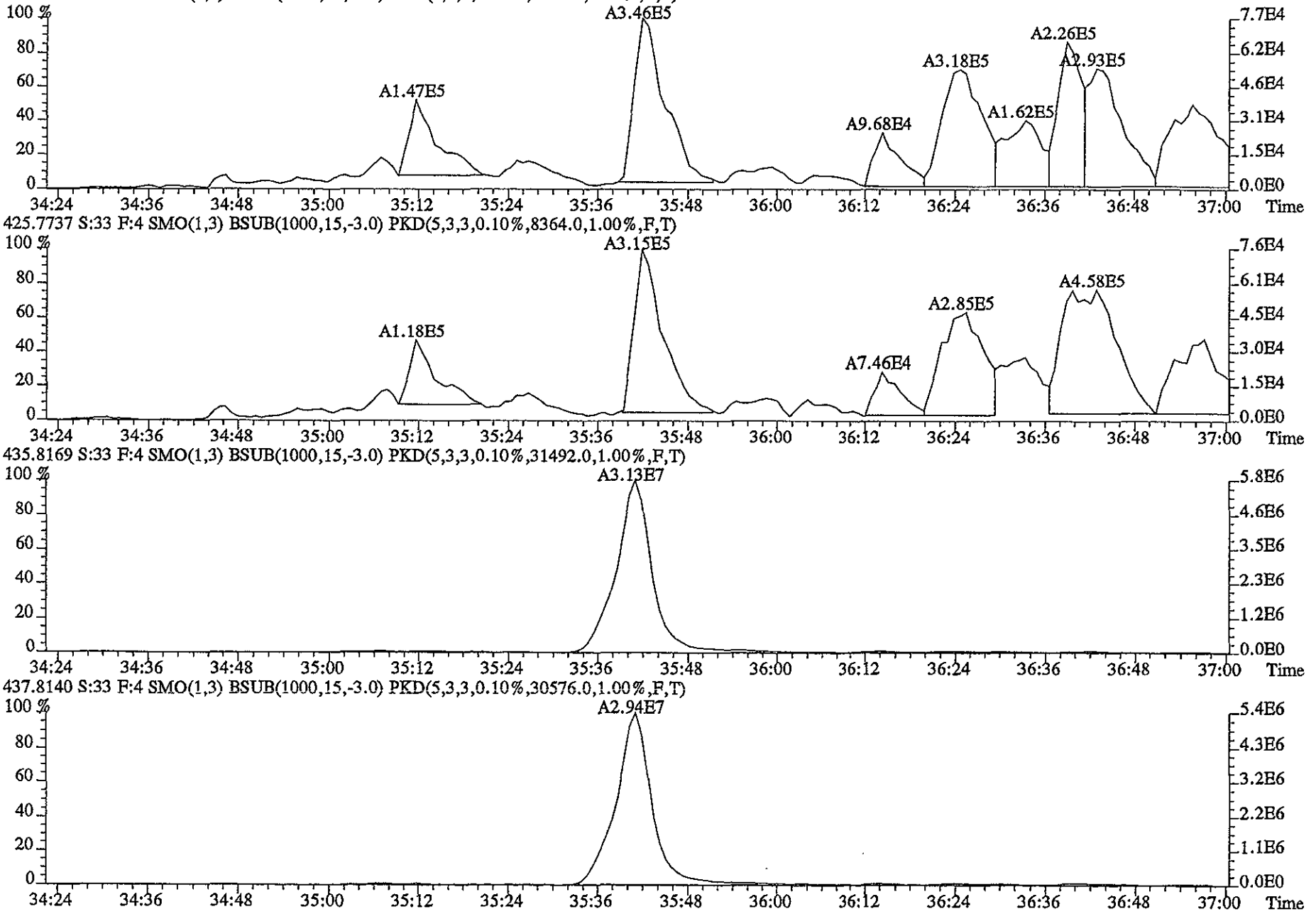




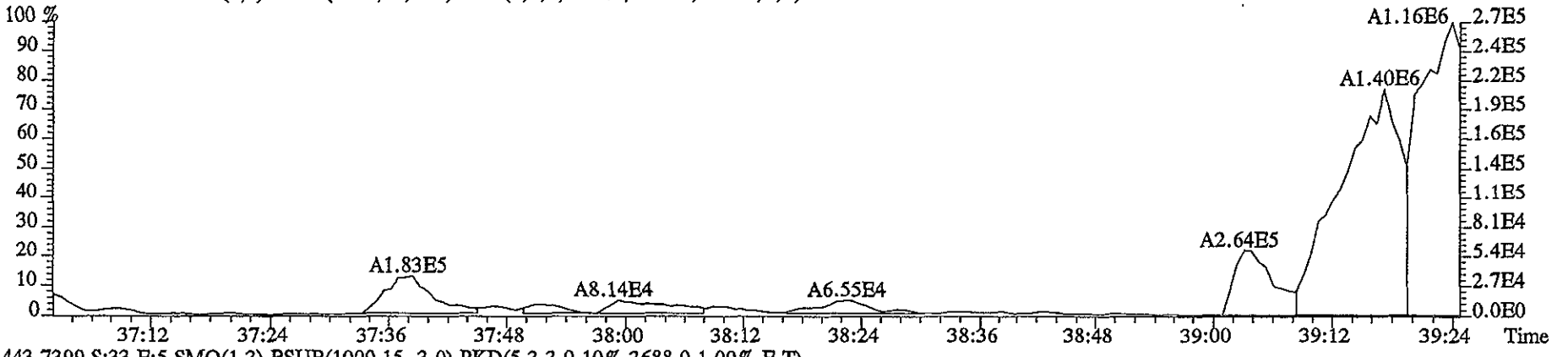
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



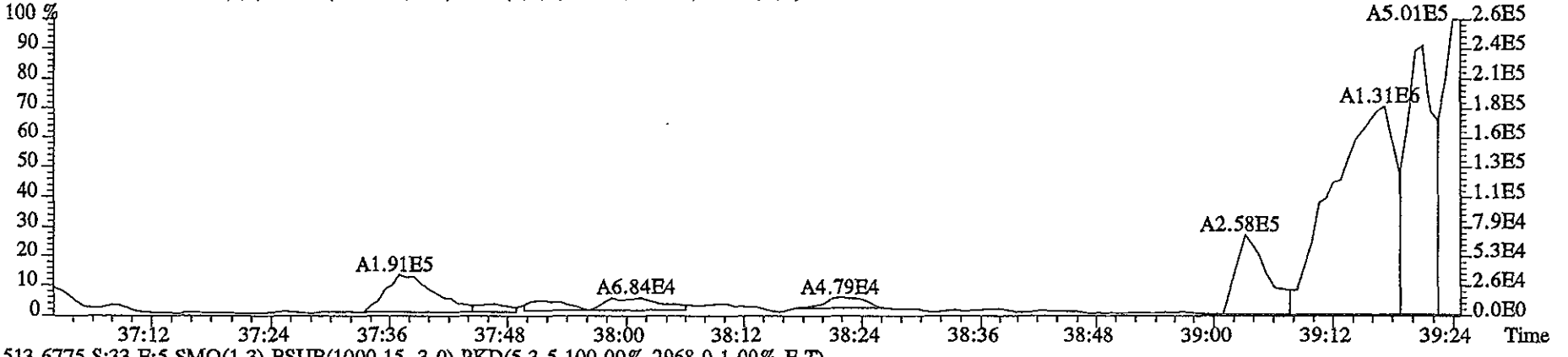
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



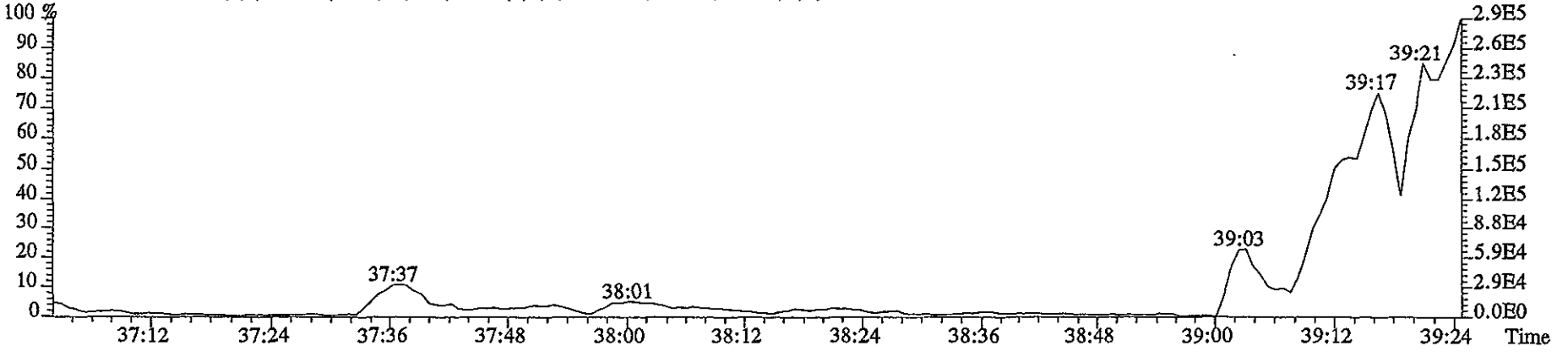
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES
441.7428 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2656.0,1.00%,F,T)



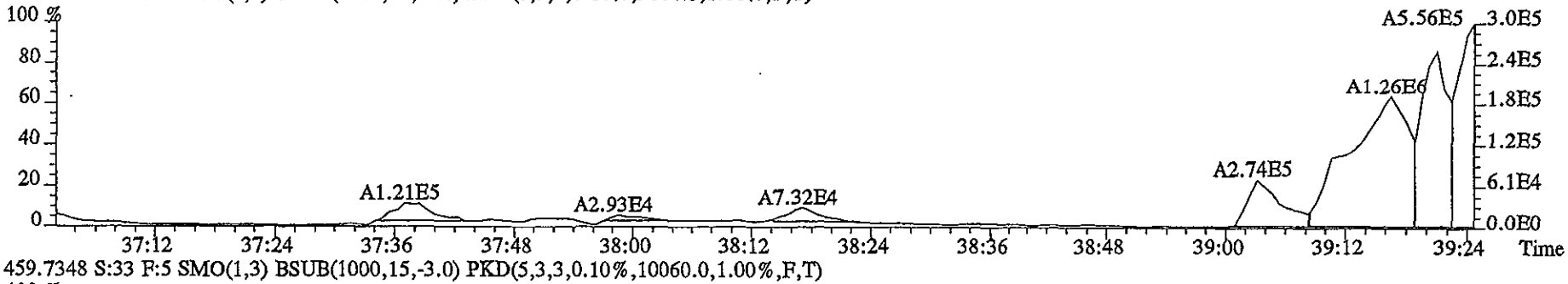
443.7399 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3688.0,1.00%,F,T)

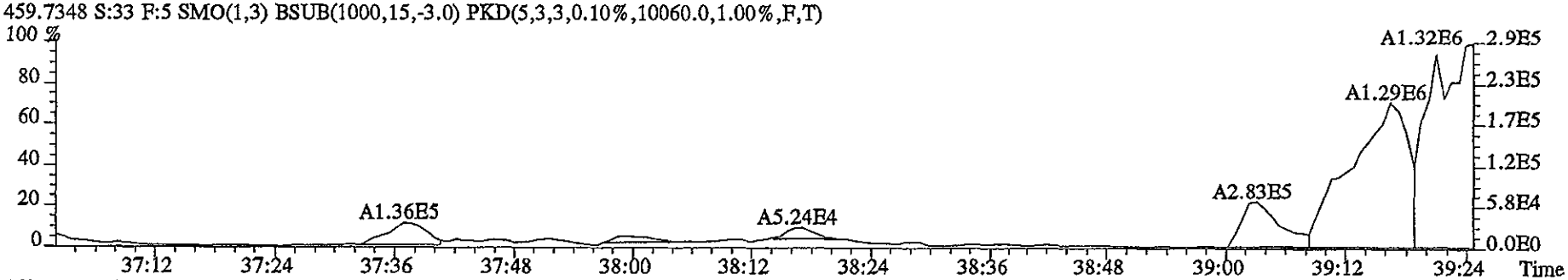


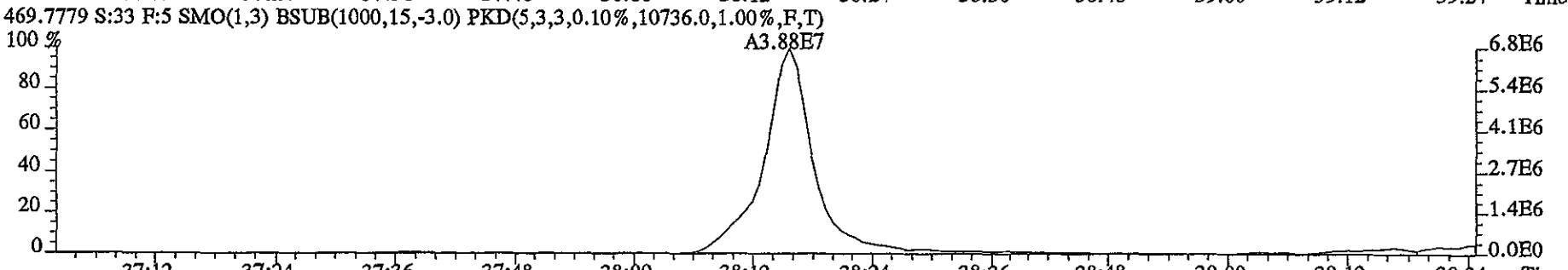
513.6775 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2968.0,1.00%,F,T)

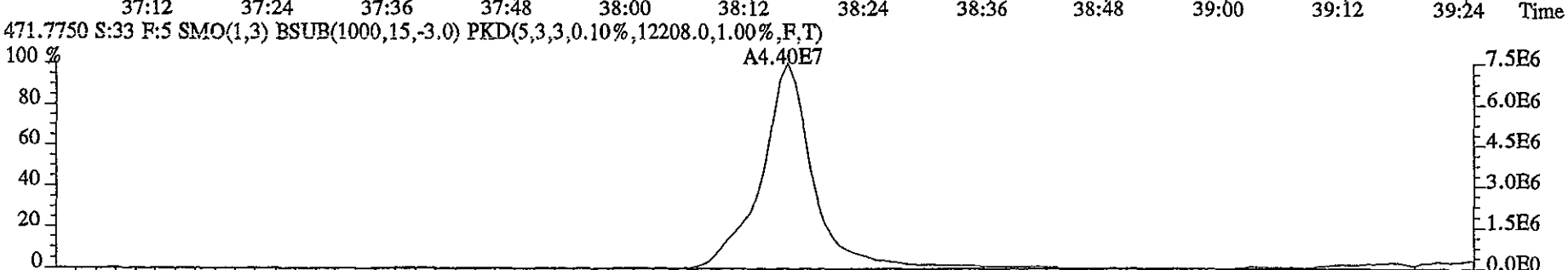


File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

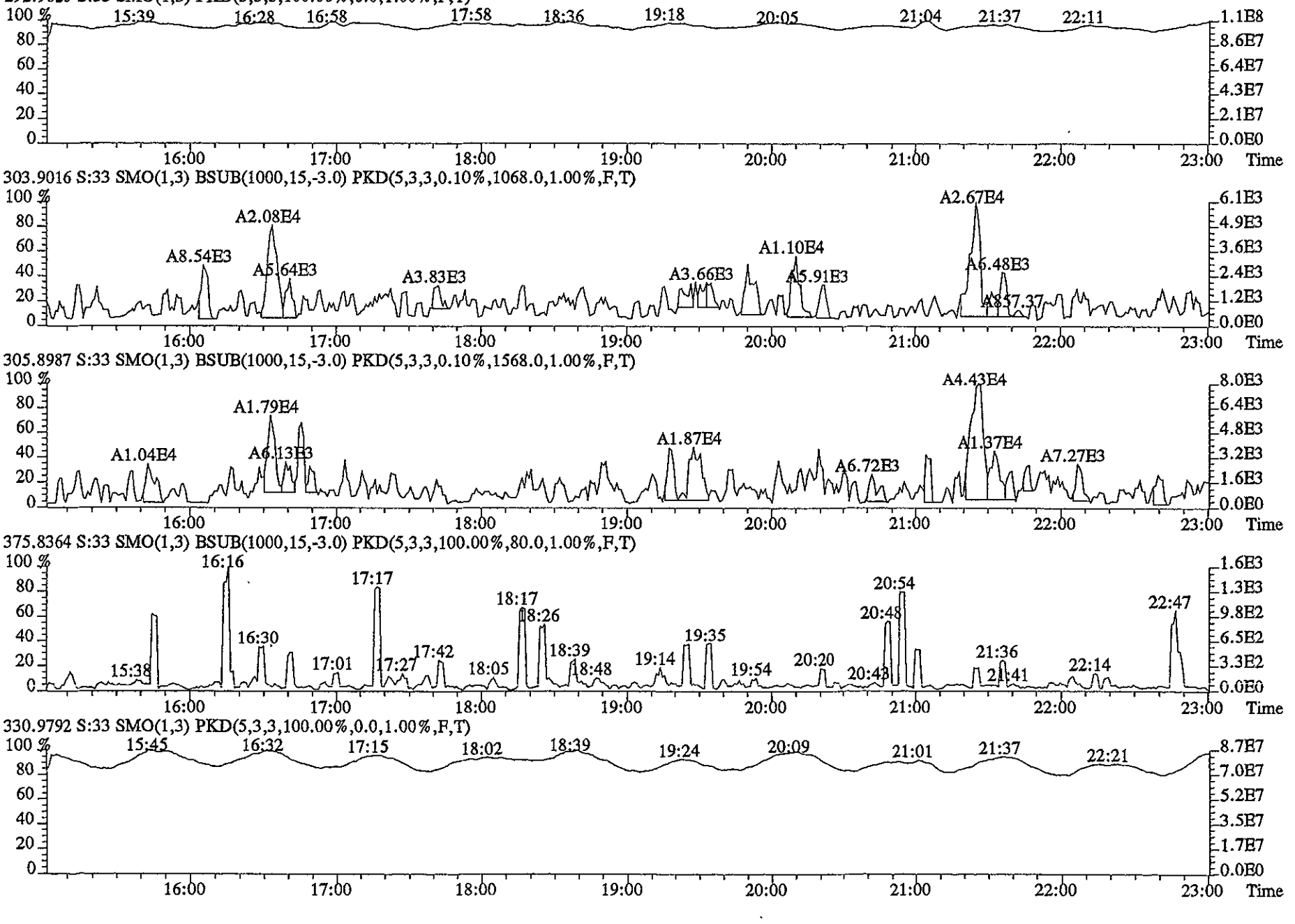




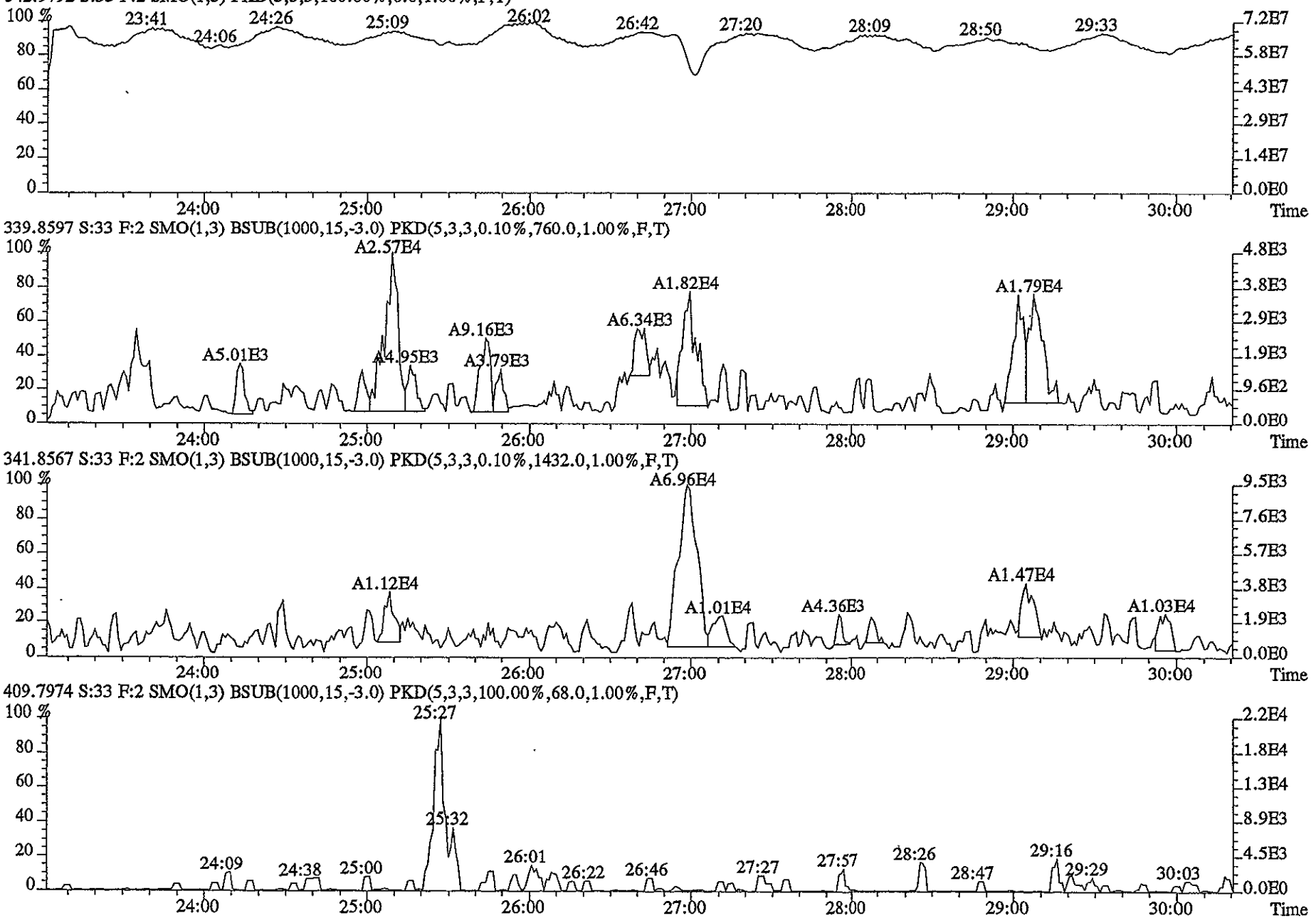




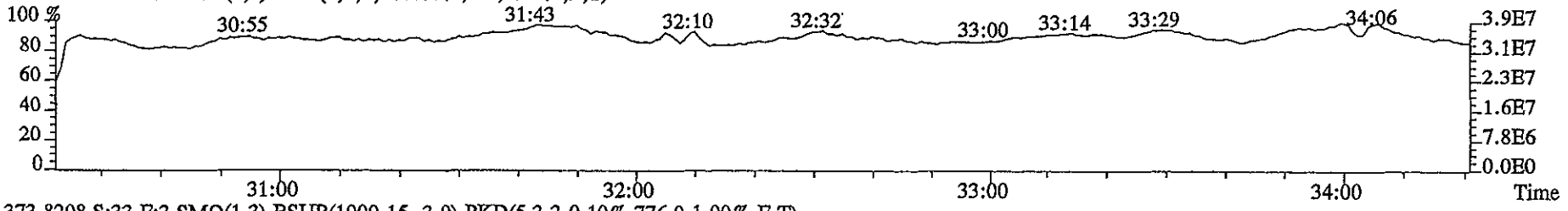
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

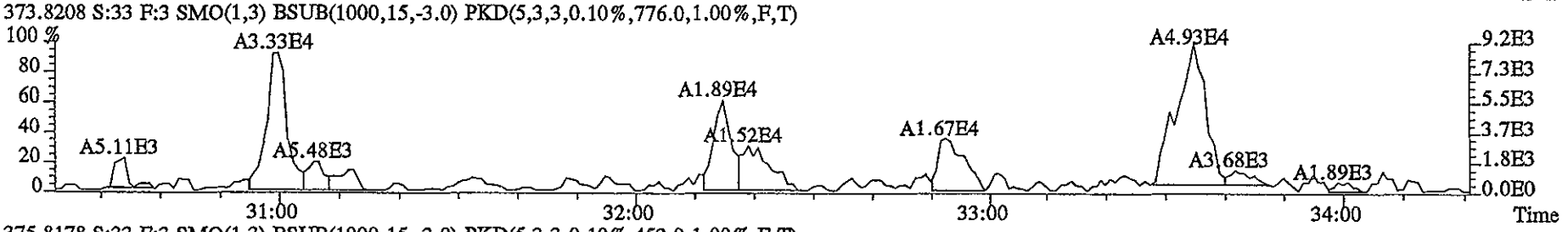


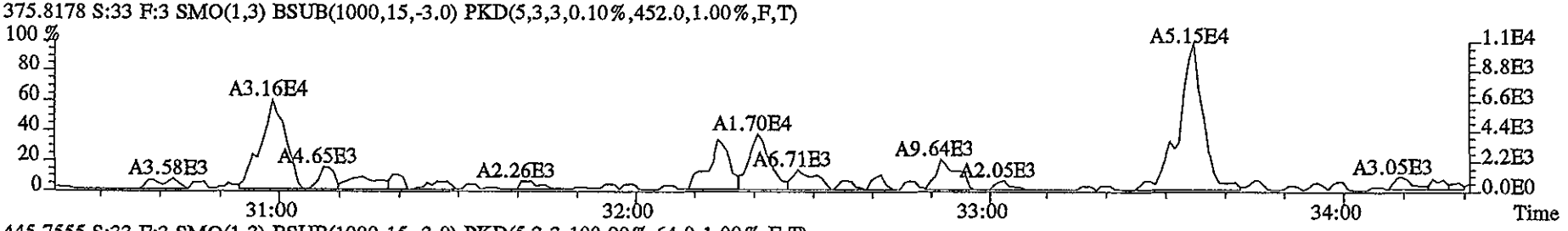
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES

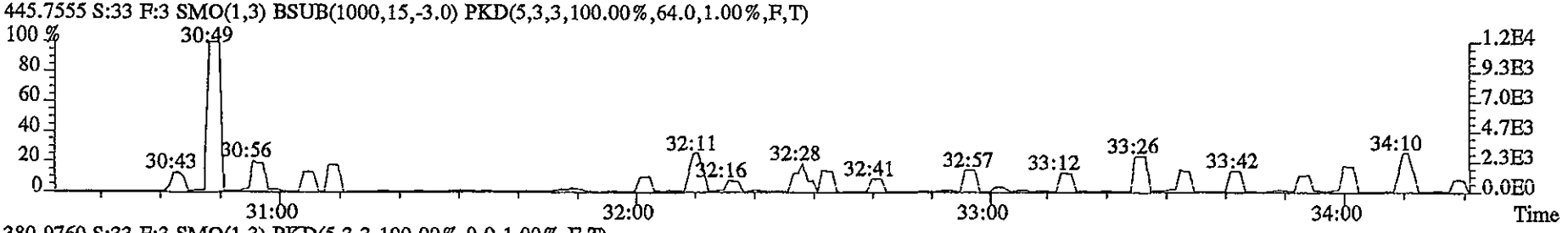


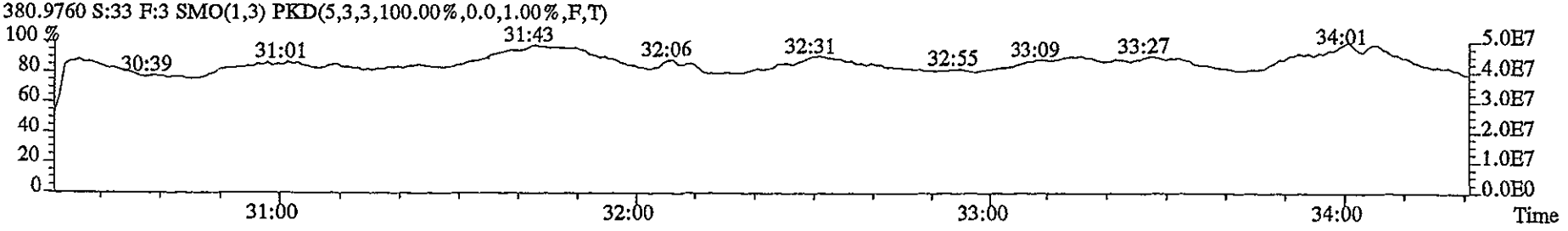
File:13SE10A4D5 #1-287 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



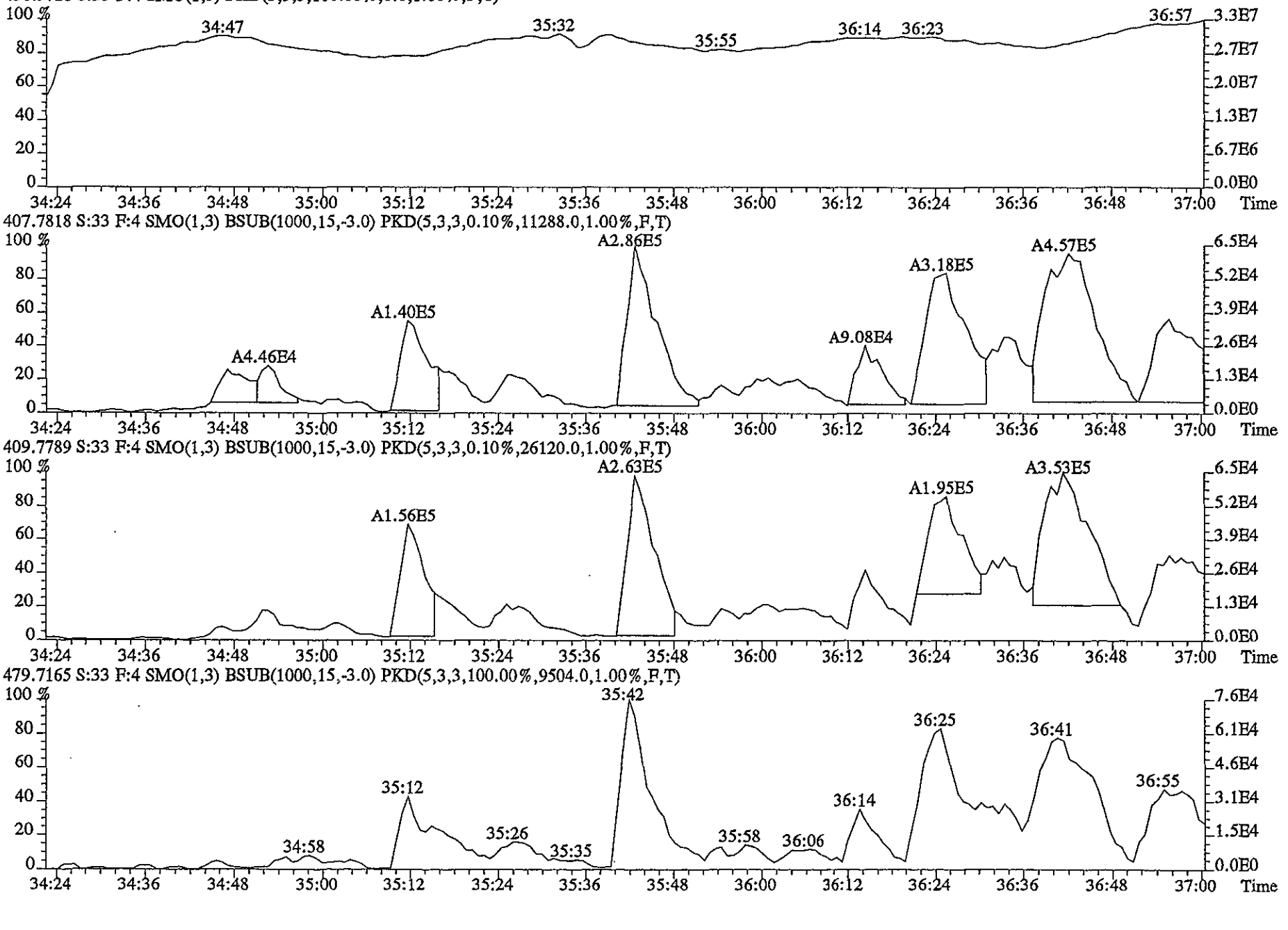




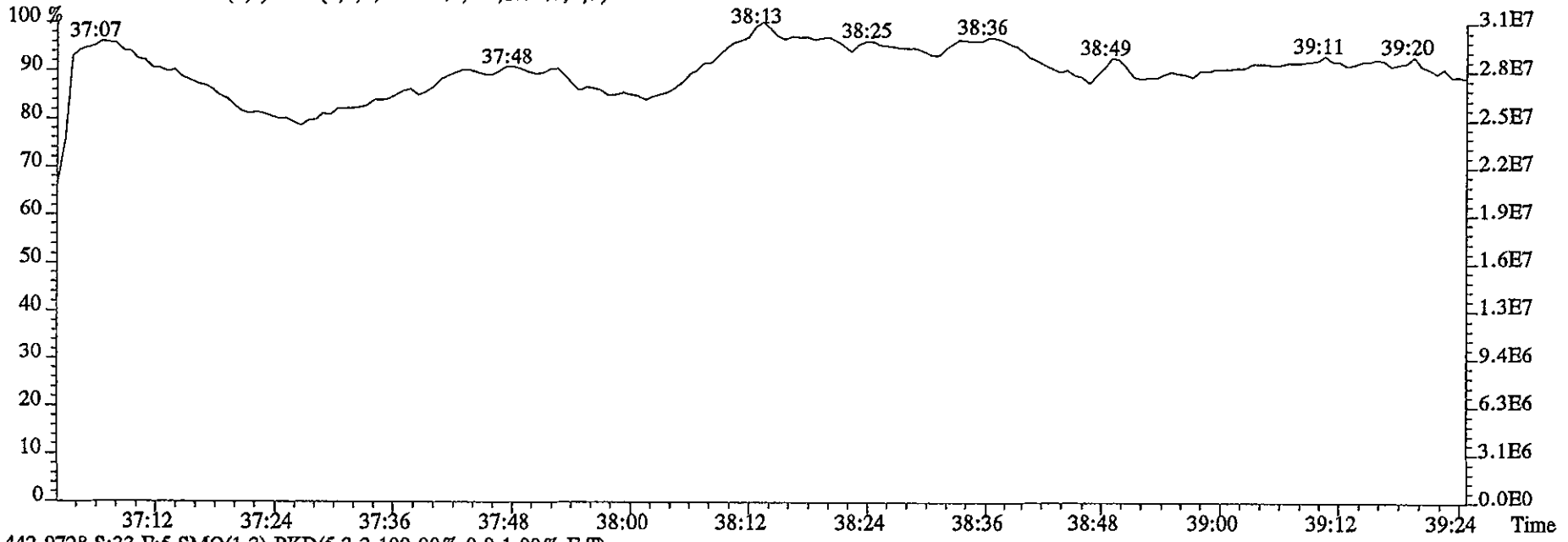




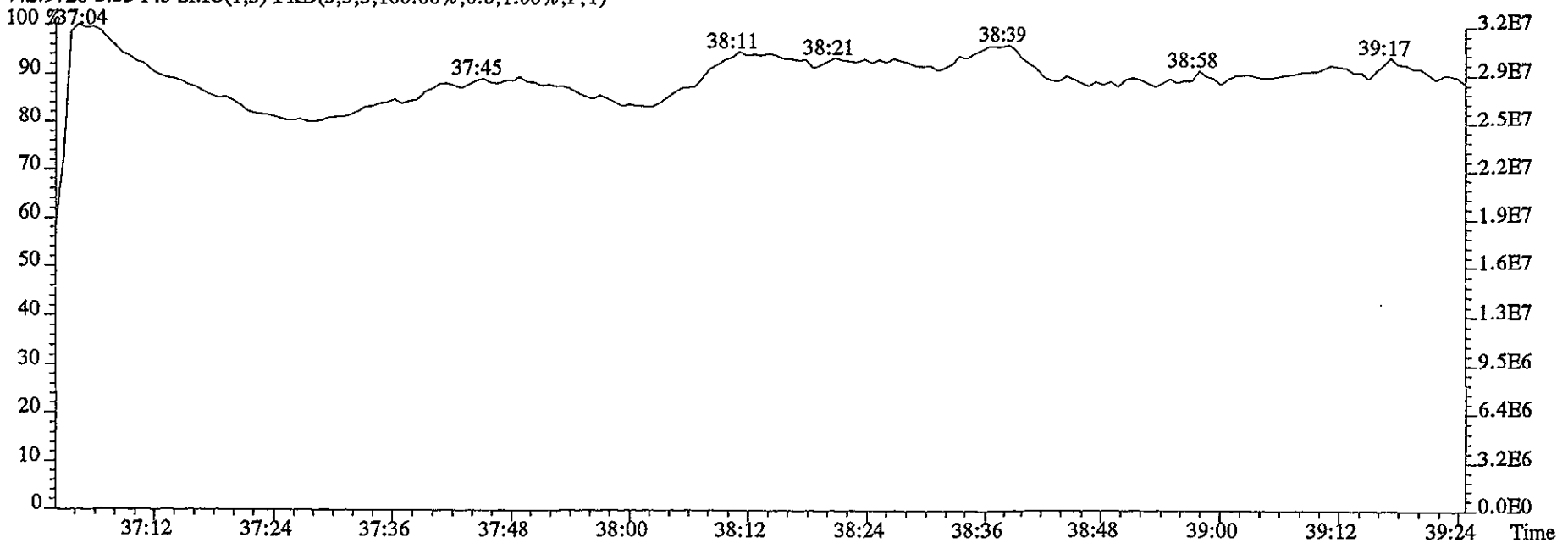
File:13SE10A4D5 #1-200 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES



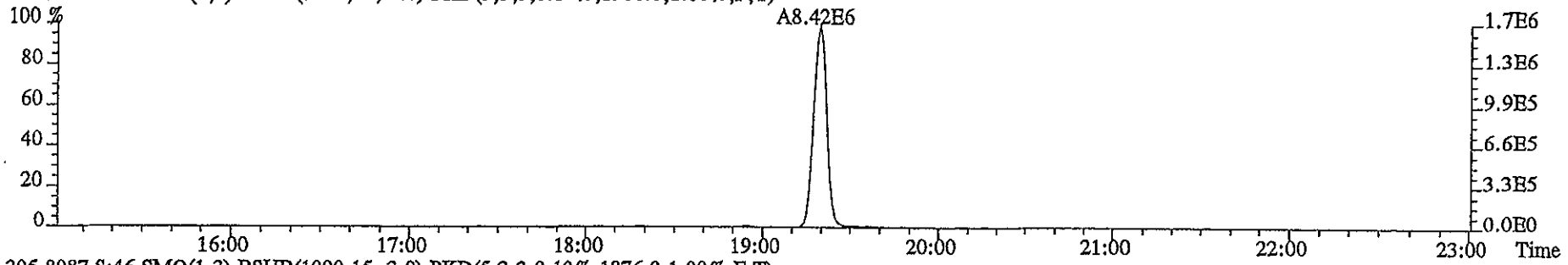
File:13SE10A4D5 #1-193 Acq:14-SEP-2010 10:59:05 GC EI+ Voltage SIR Autospec-UltimaE
Sample#33 Text:L6L6Q-1-AA :G0I040476-1MB Exp:DIOXINRES
454.9728 S:33 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



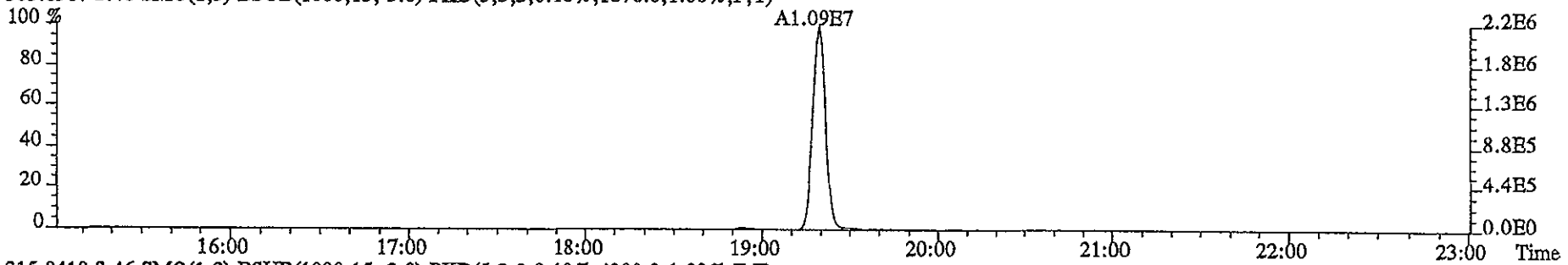
442.9728 S:33 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



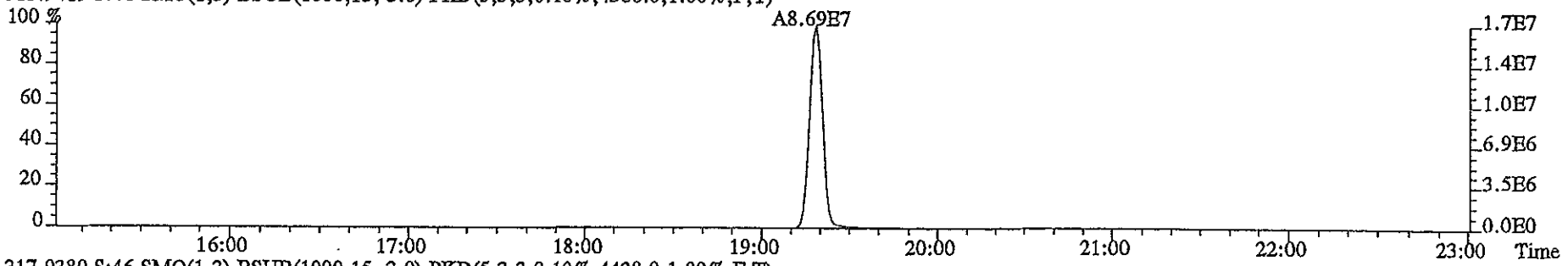
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES
303.9016 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308.0,1.00%,F,T)



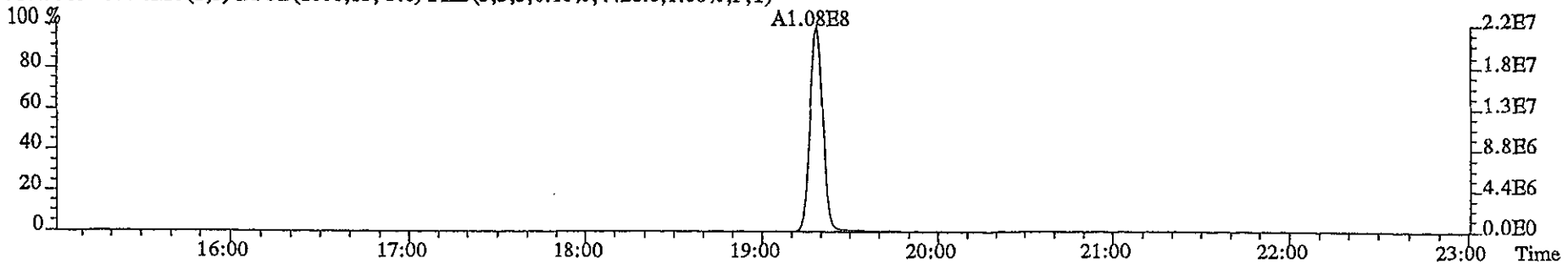
305.8987 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1876.0,1.00%,F,T)



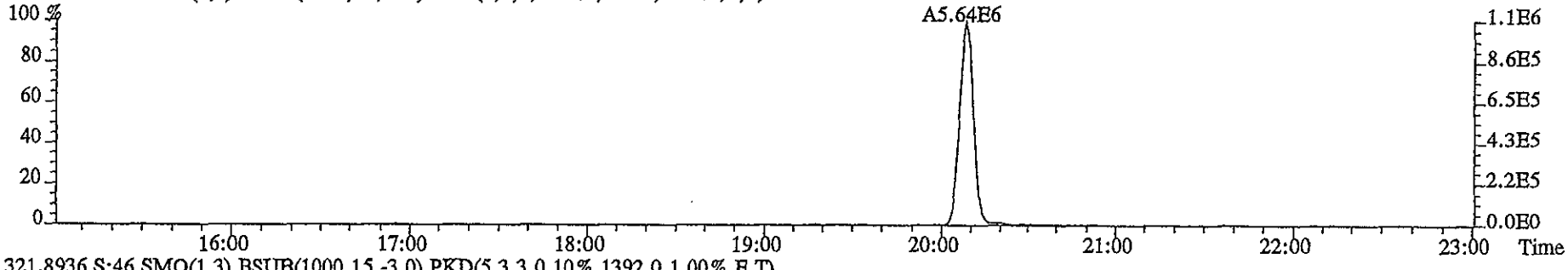
315.9419 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4380.0,1.00%,F,T)



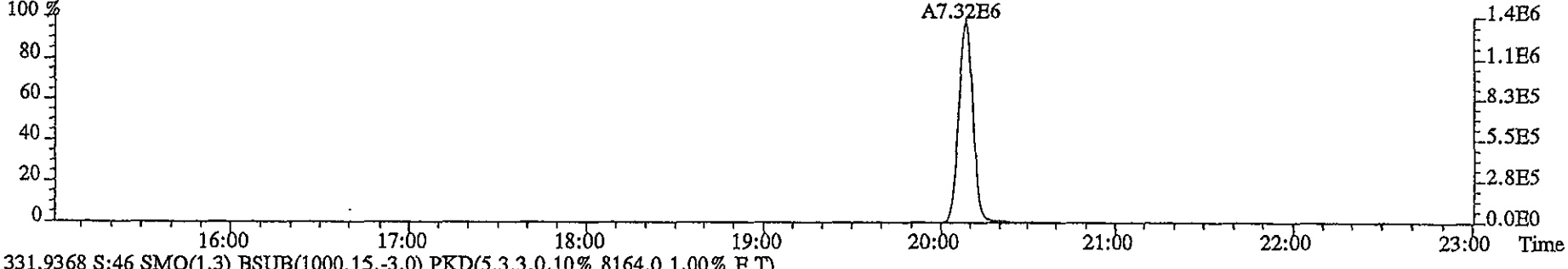
317.9389 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4428.0,1.00%,F,T)



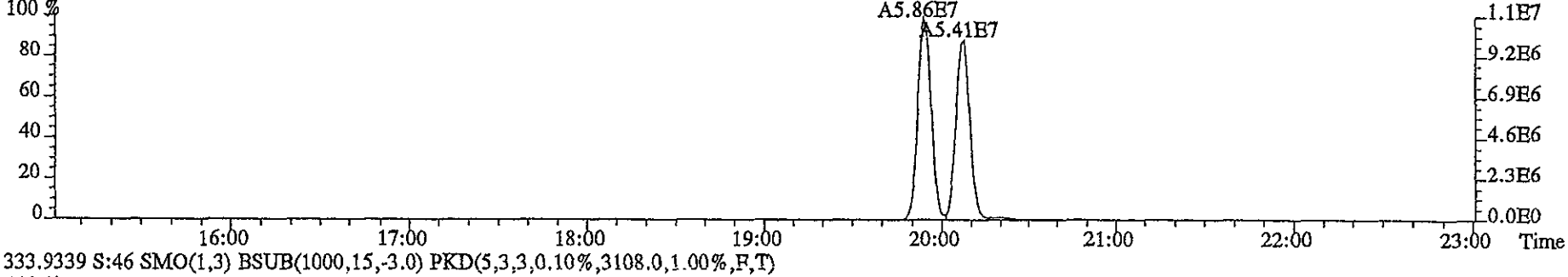
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES
319.8965 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,596.0,1.00%,F,T)



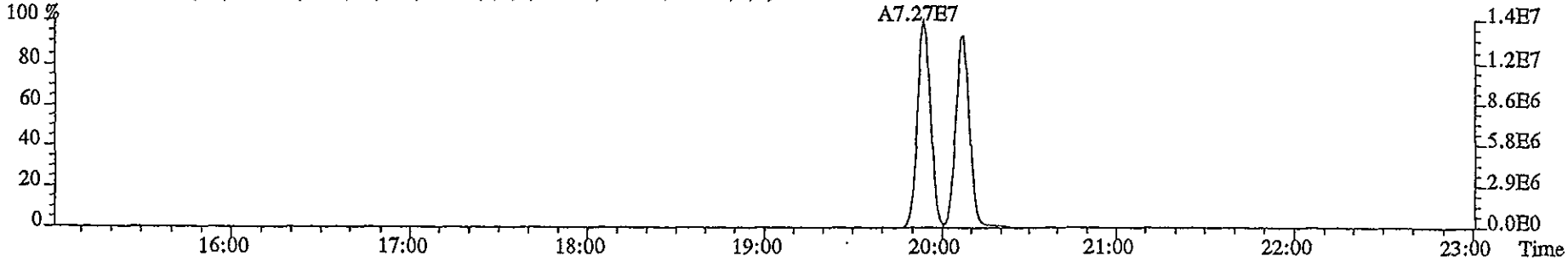
321.8936 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1392.0,1.00%,F,T)



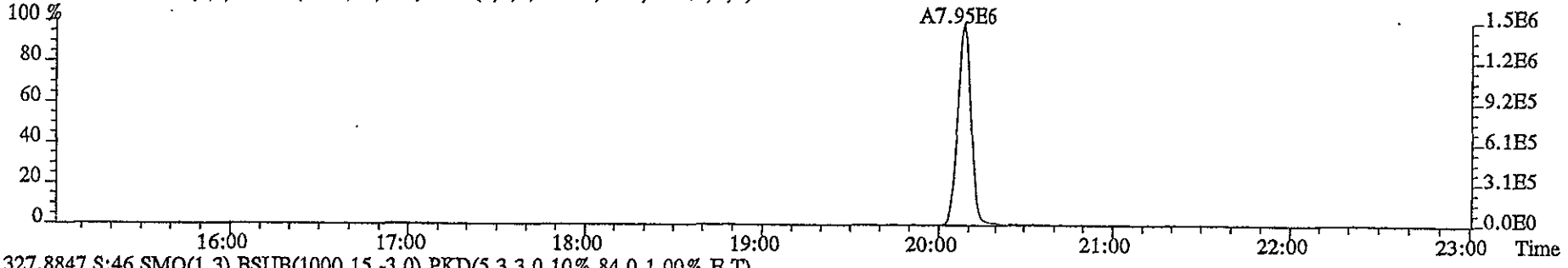
331.9368 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8164.0,1.00%,F,T)



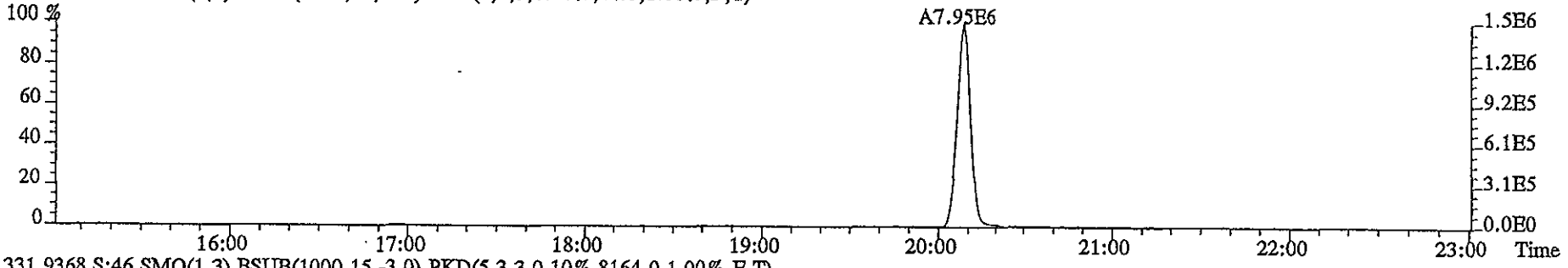
333.9339 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3108.0,1.00%,F,T)



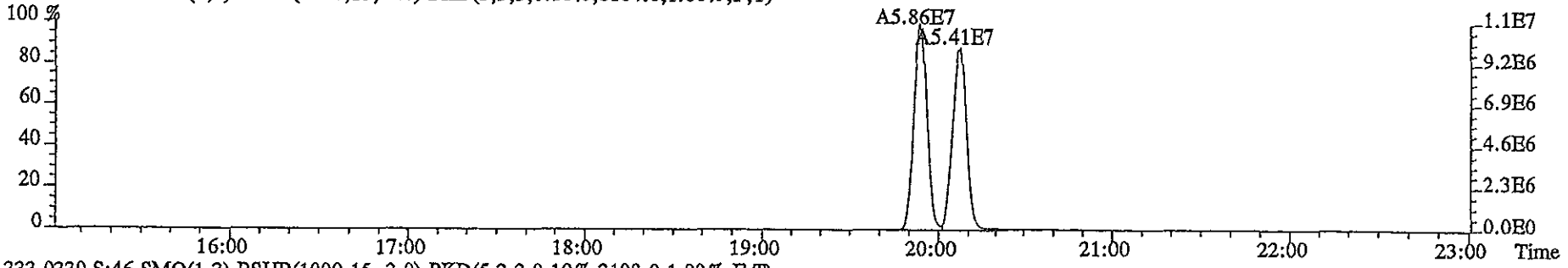
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES
327.8847 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



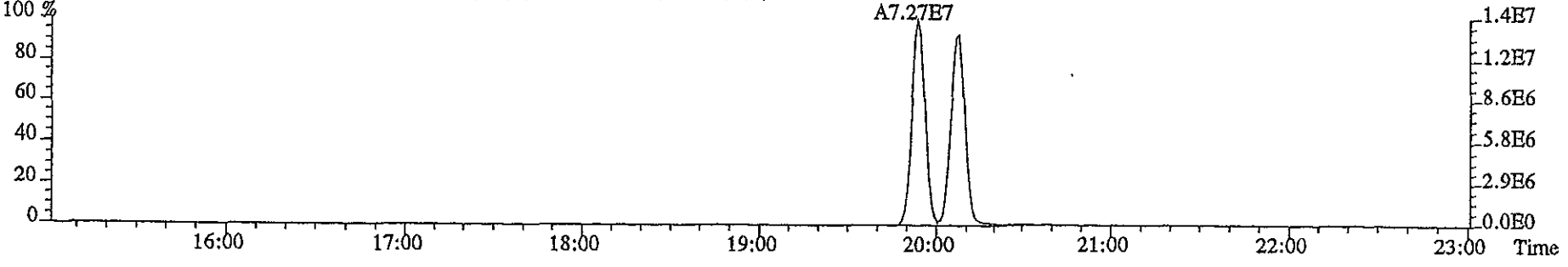
327.8847 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



331.9368 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8164.0,1.00%,F,T)

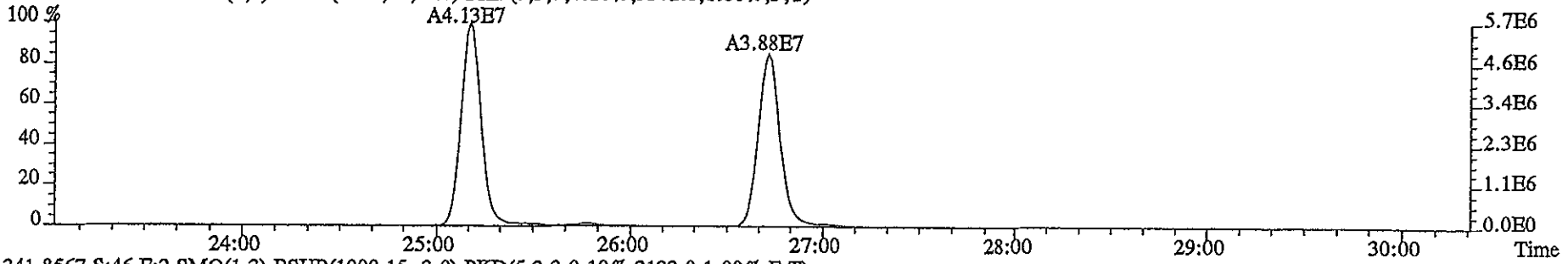


333.9339 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3108.0,1.00%,F,T)

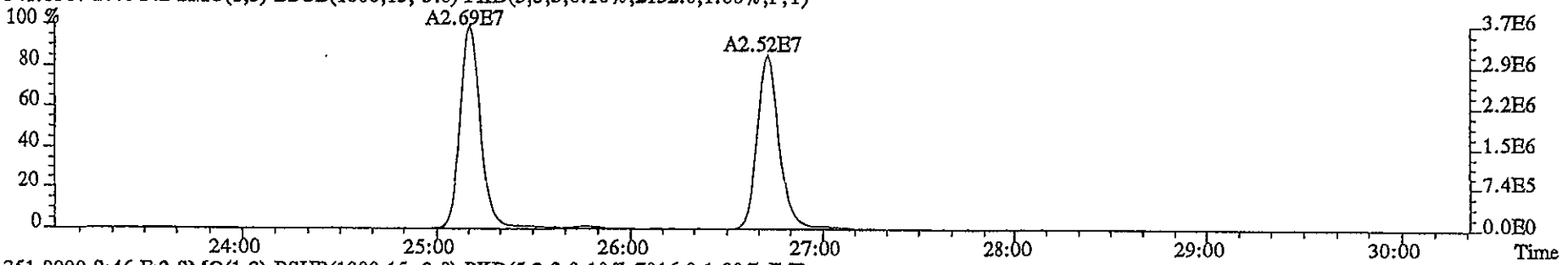


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES

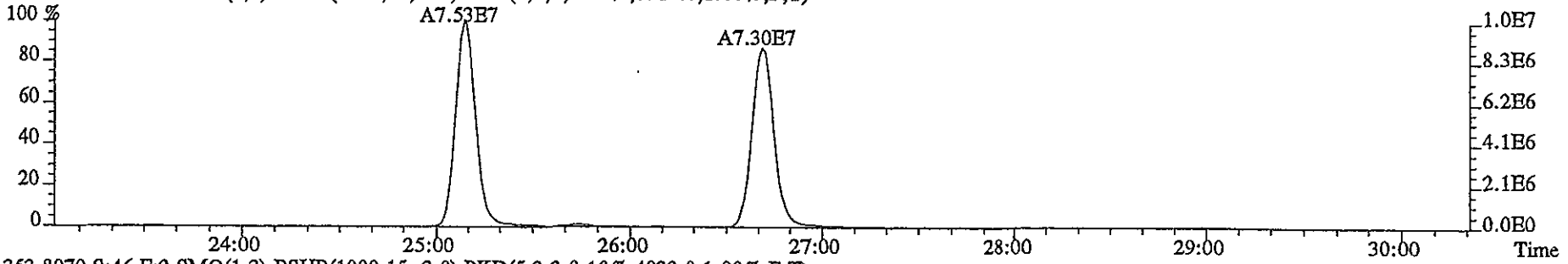
339.8597 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3372.0,1.00%,F,T)



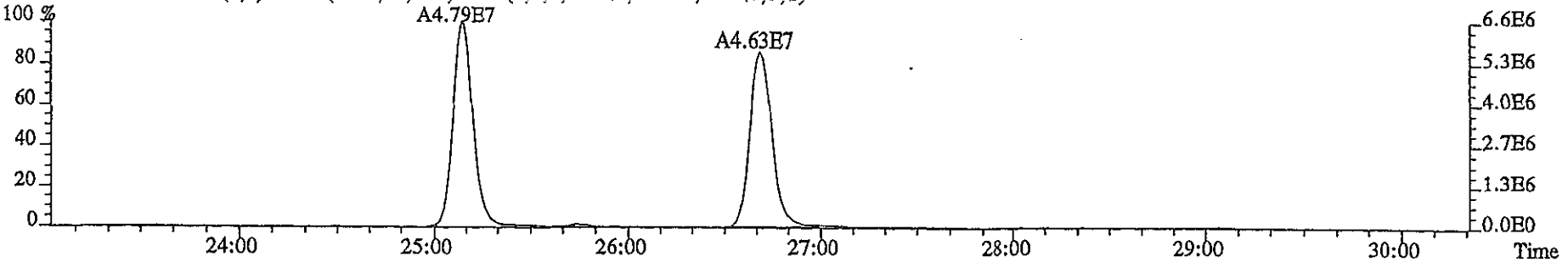
341.8567 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2132.0,1.00%,F,T)



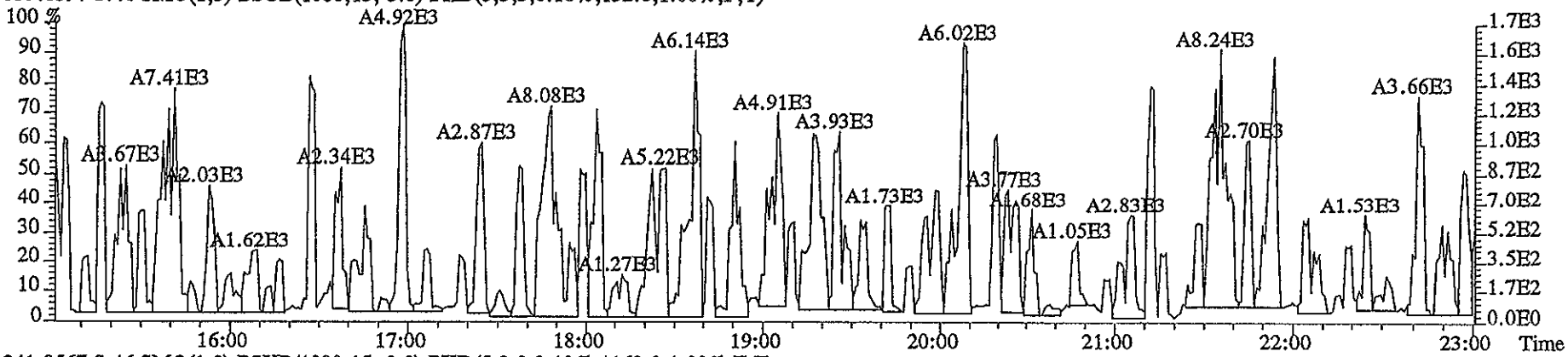
351.9000 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7916.0,1.00%,F,T)



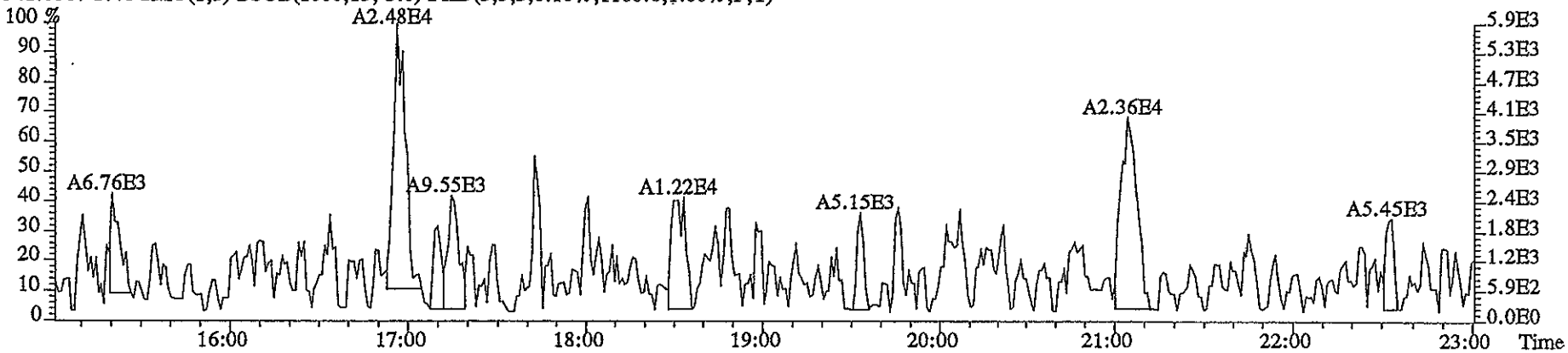
353.8970 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



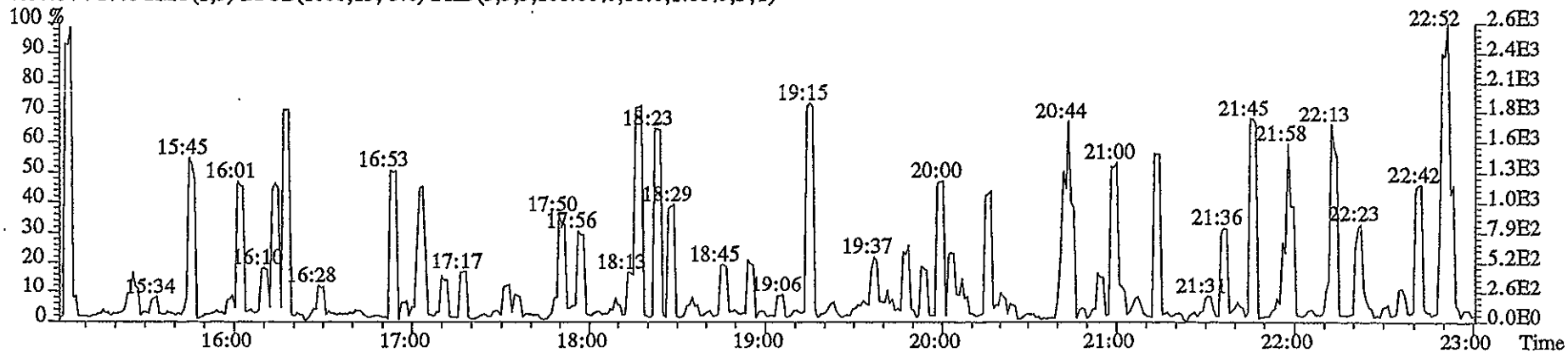
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES
339.8597 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,132.0,1.00%,F,T)



341.8567 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1160.0,1.00%,F,T)

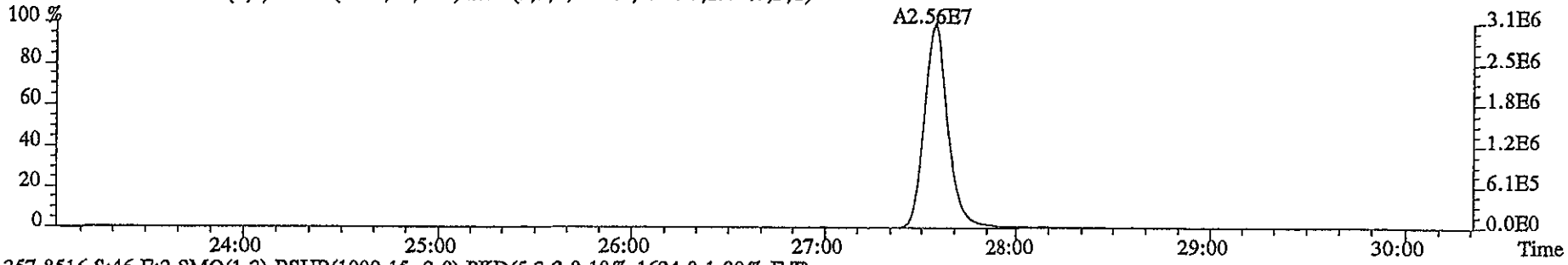


409.7974 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)

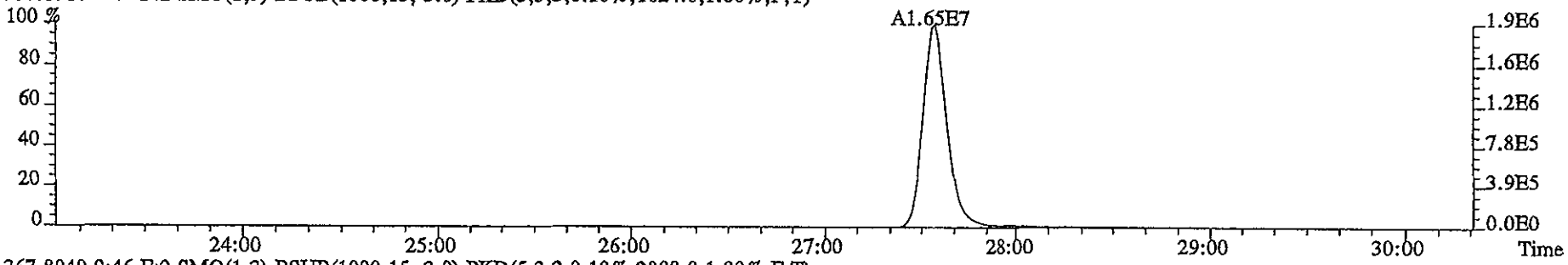


File:13SE10A4D5 #1-470 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES

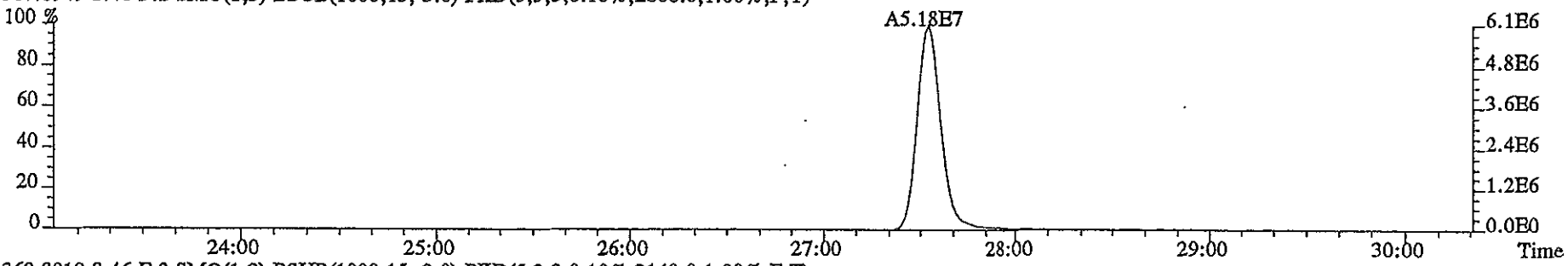
355.8546 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2224.0,1.00%,F,T)



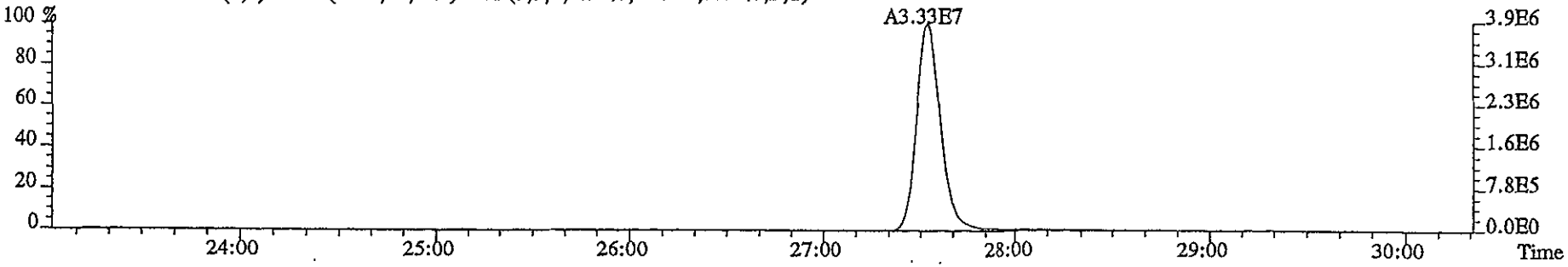
357.8516 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1624.0,1.00%,F,T)



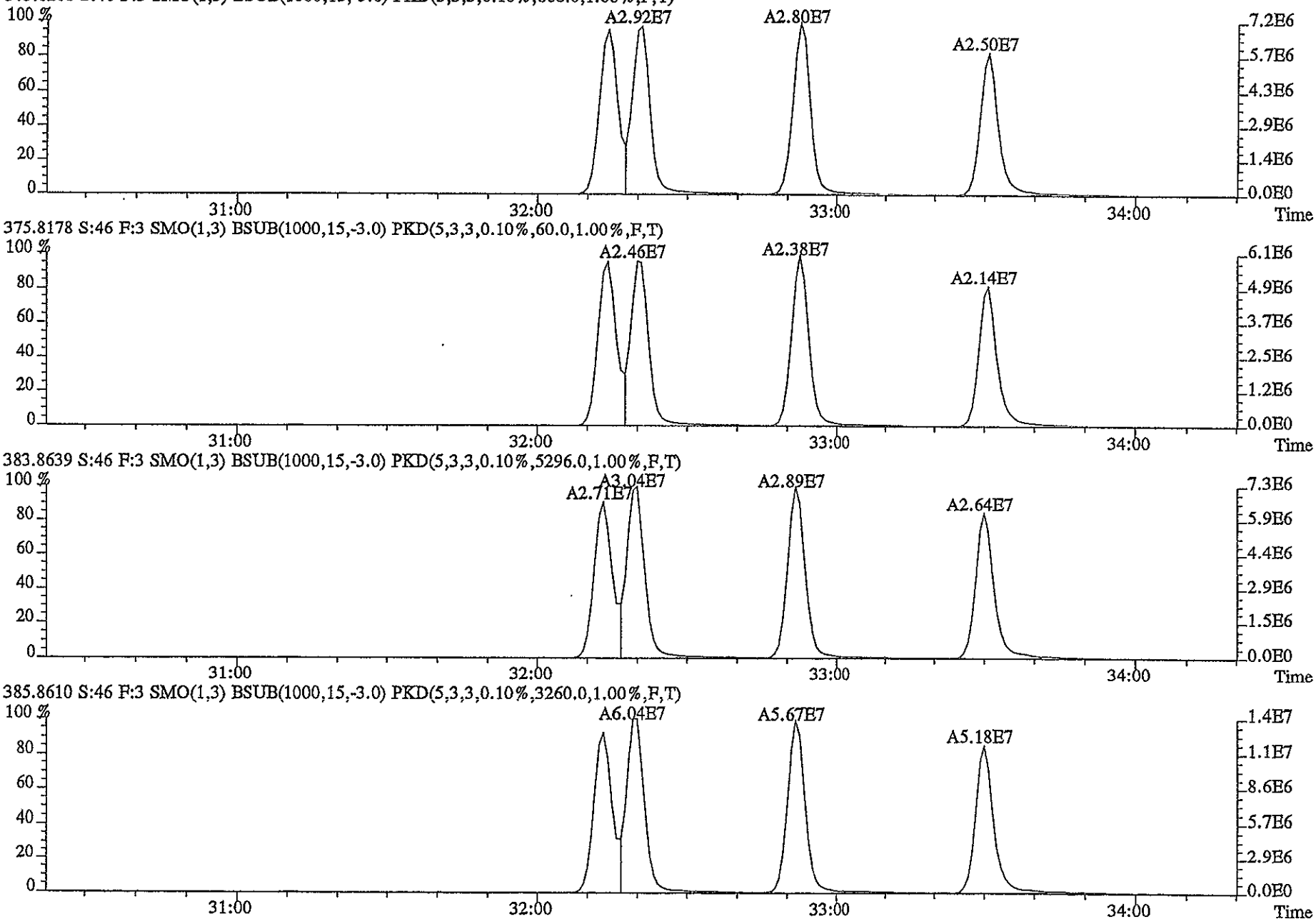
367.8949 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2808.0,1.00%,F,T)



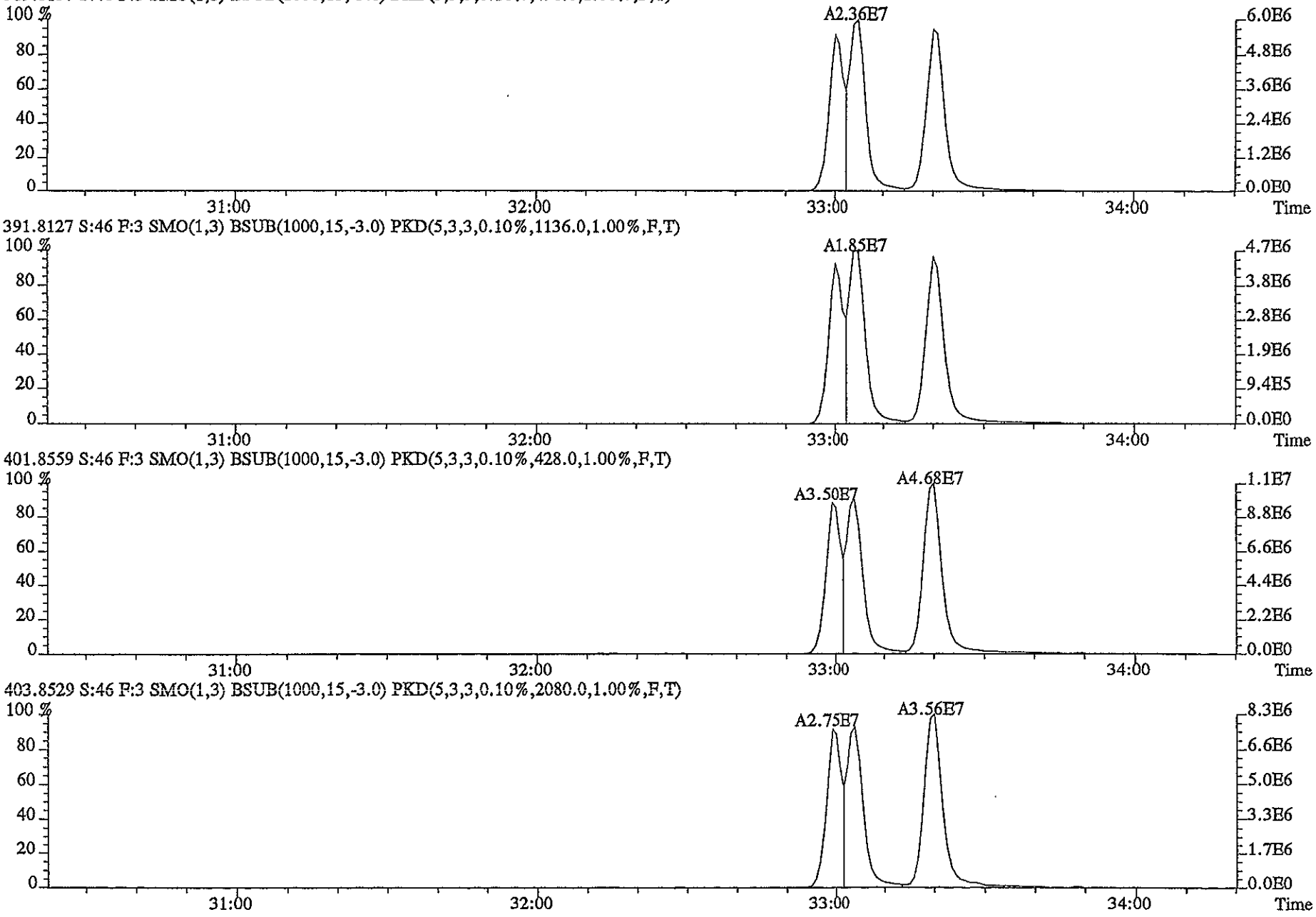
369.8919 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



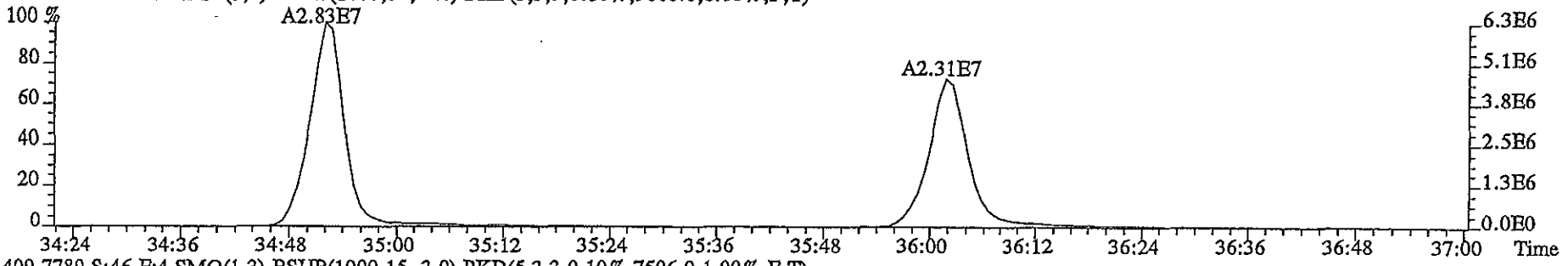
File:13SE10A4D5 #1-286 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES



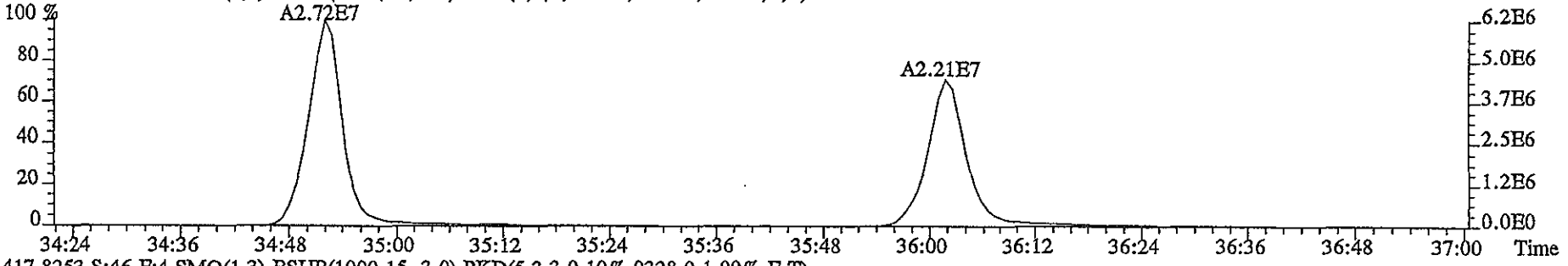
File:13SE10A4D5 #1-286 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES



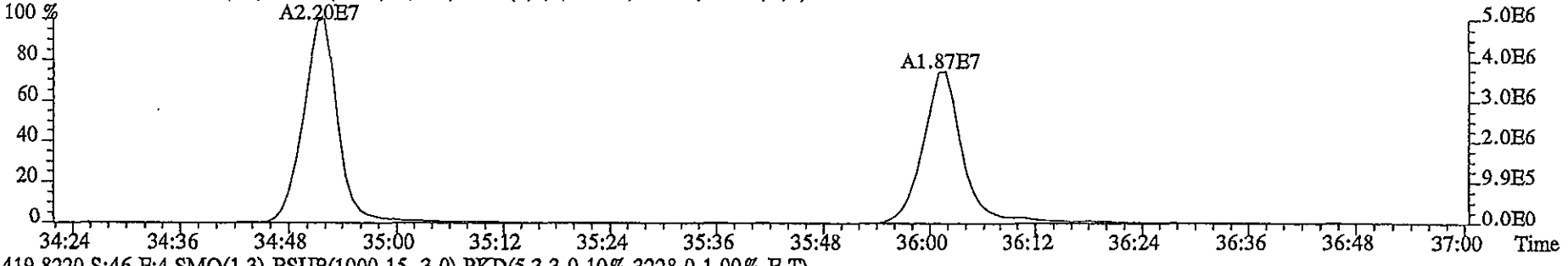
File:13SE10A4D5 #1-201 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES
407.7818 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9068.0,1.00%,F,T)



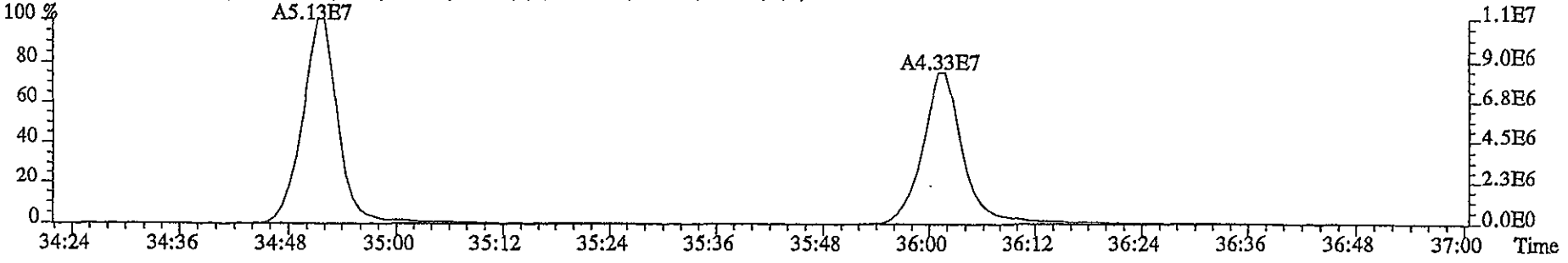
409.7789 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7596.0,1.00%,F,T)



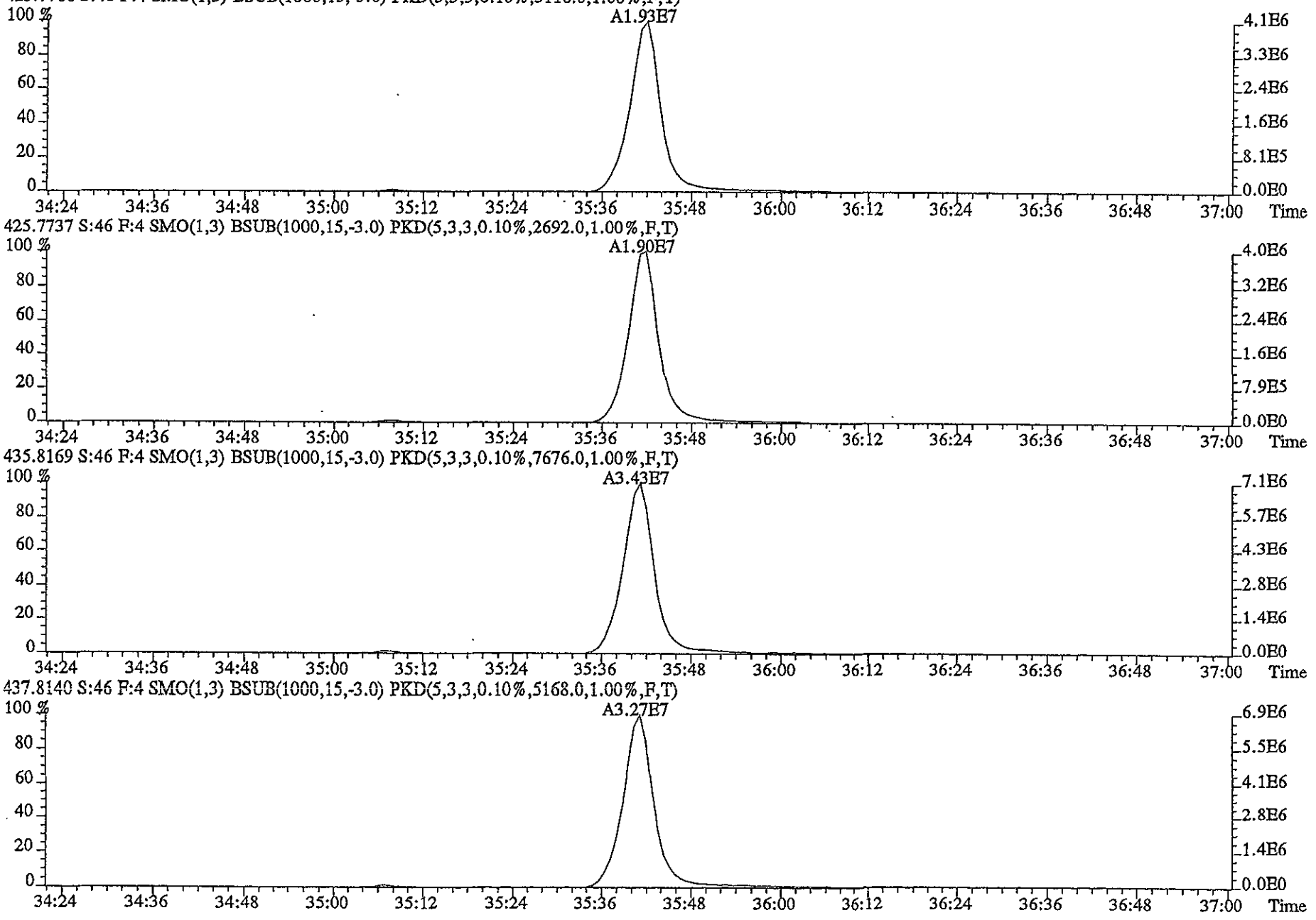
417.8253 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9328.0,1.00%,F,T)



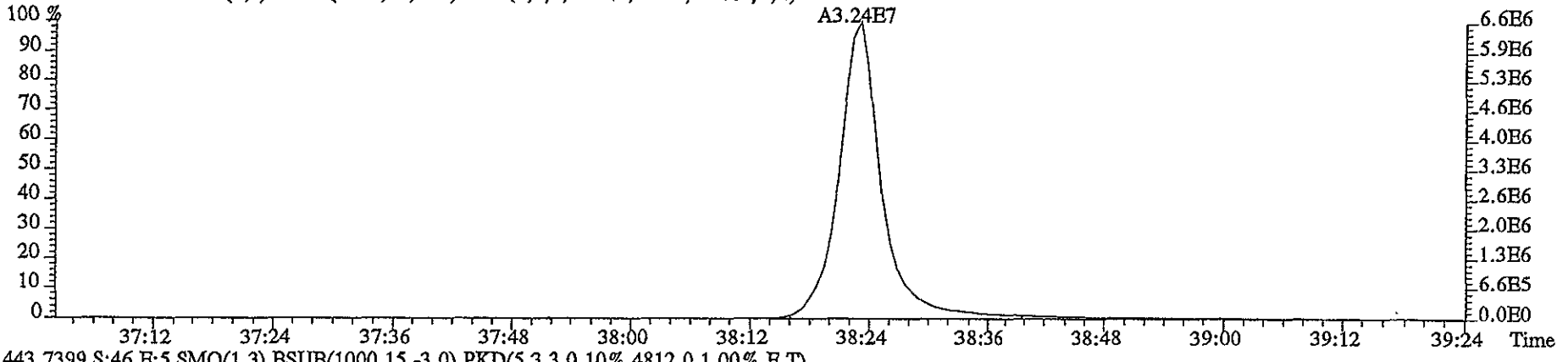
419.8220 S:46 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



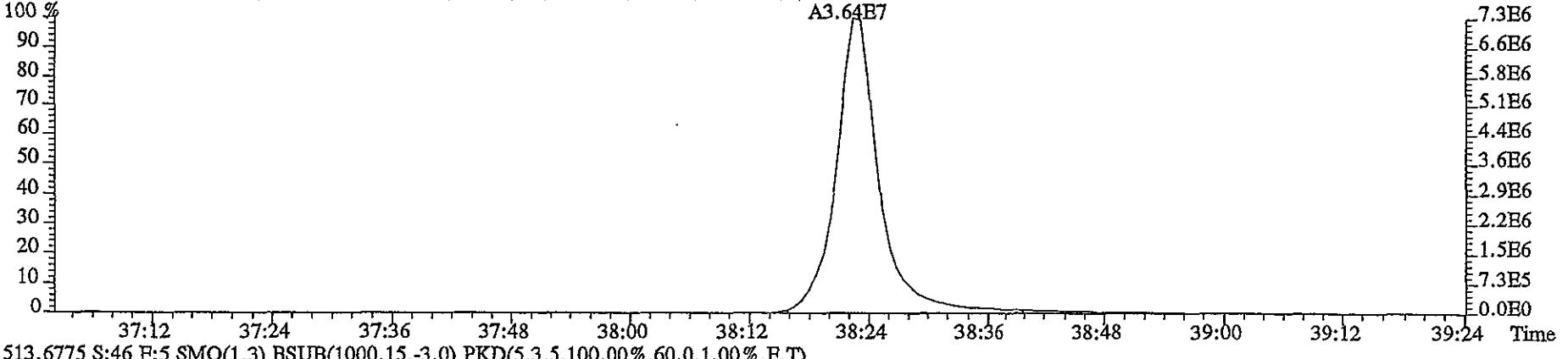
File:13SE10A4D5 #1-201 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES



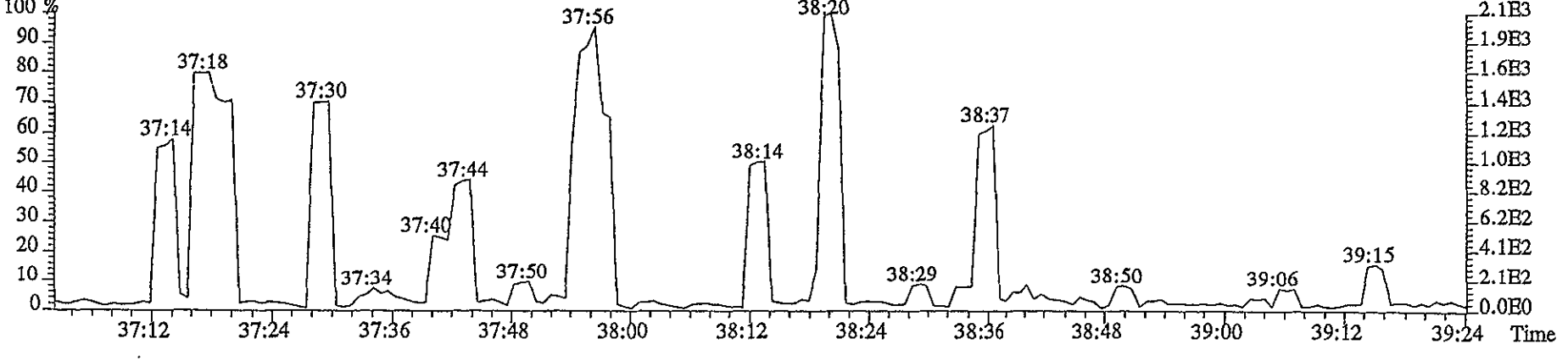
File:13SE10A4D5 #1-192 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES
441.7428 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,920.0,1.00%,F,T)



443.7399 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4812.0,1.00%,F,T)

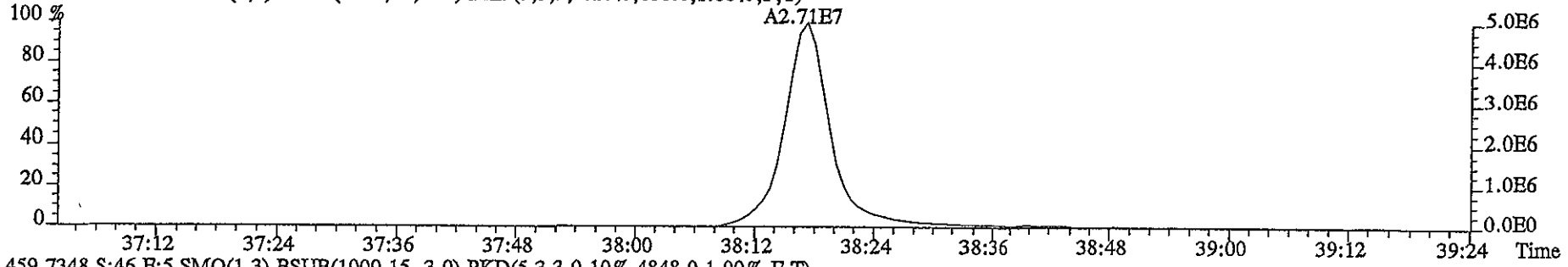


513.6775 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,60.0,1.00%,F,T)

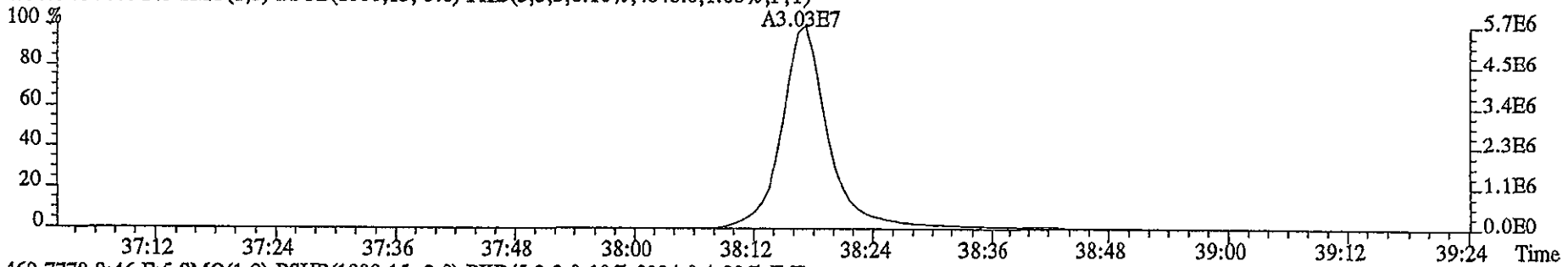


File:13SE10A4D5 #1-192 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES

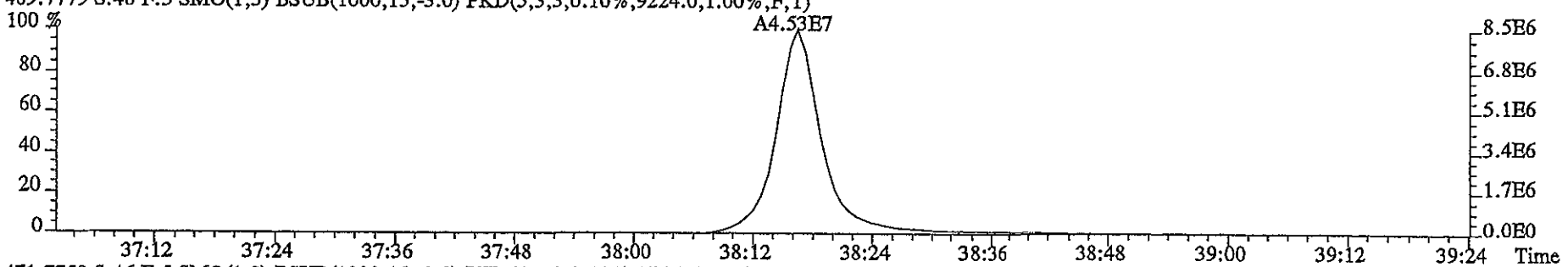
457.7377 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,608.0,1.00%,F,T)



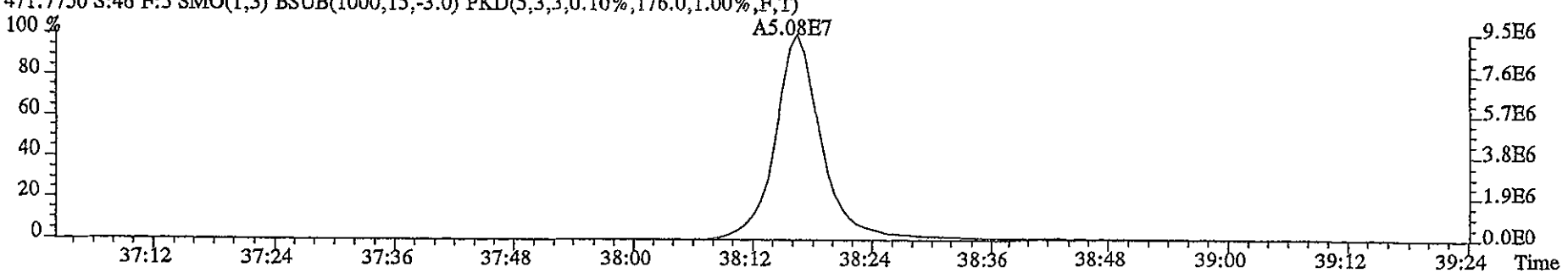
459.7348 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4848.0,1.00%,F,T)



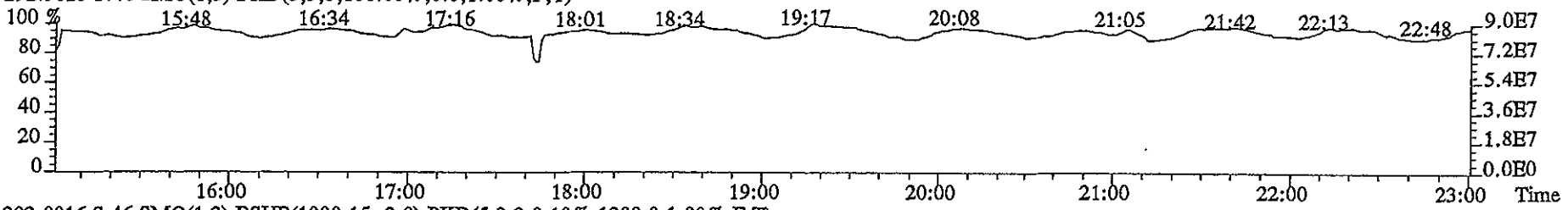
469.7779 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9224.0,1.00%,F,T)

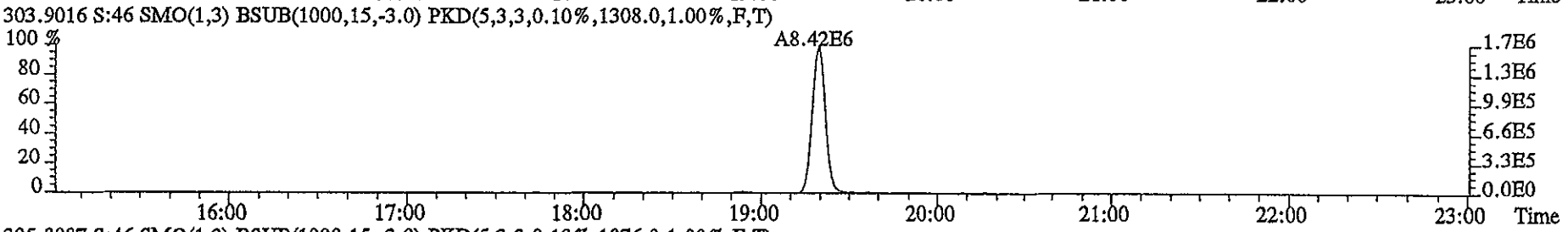


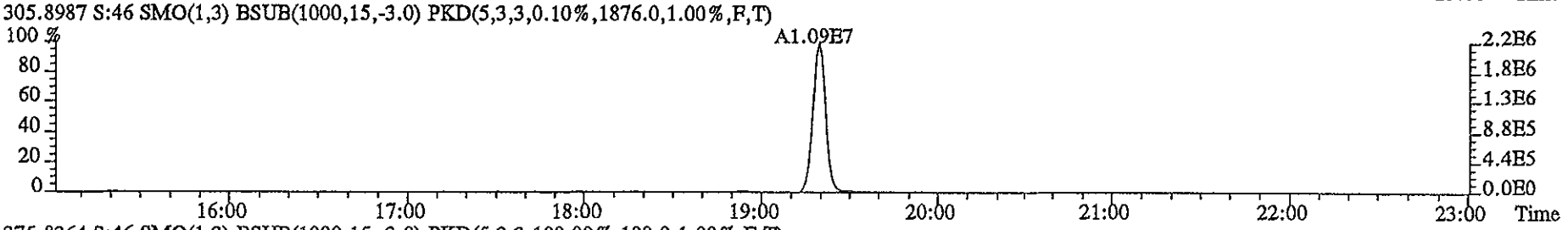
471.7750 S:46 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,176.0,1.00%,F,T)

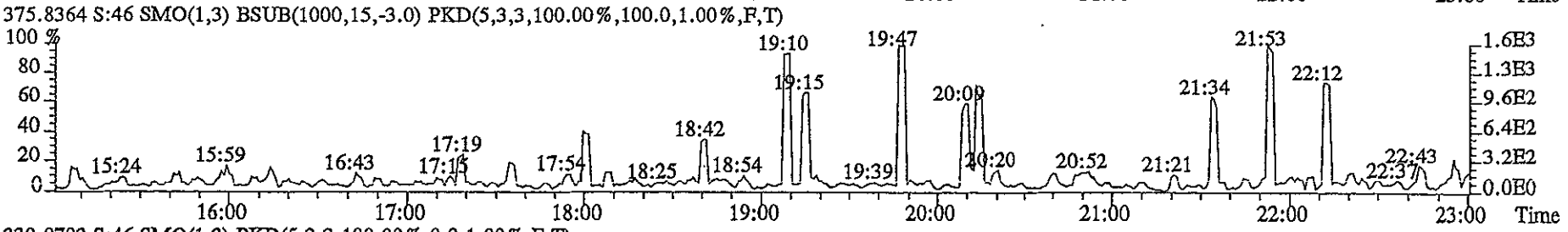


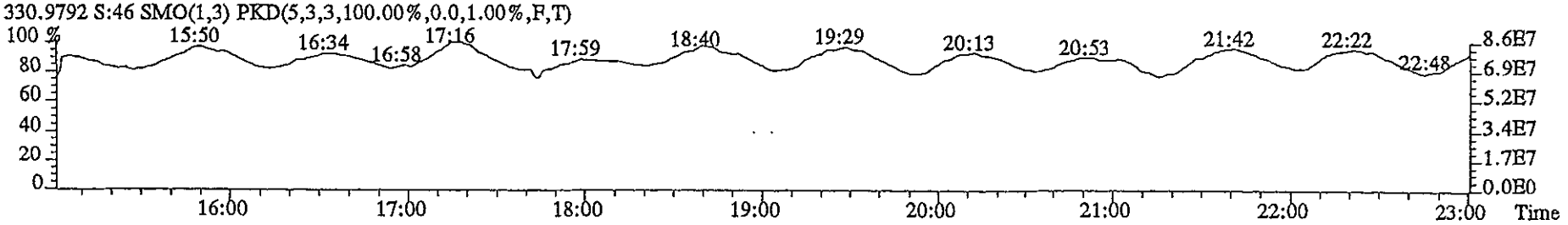
File:13SE10A4D5 #1-530 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES



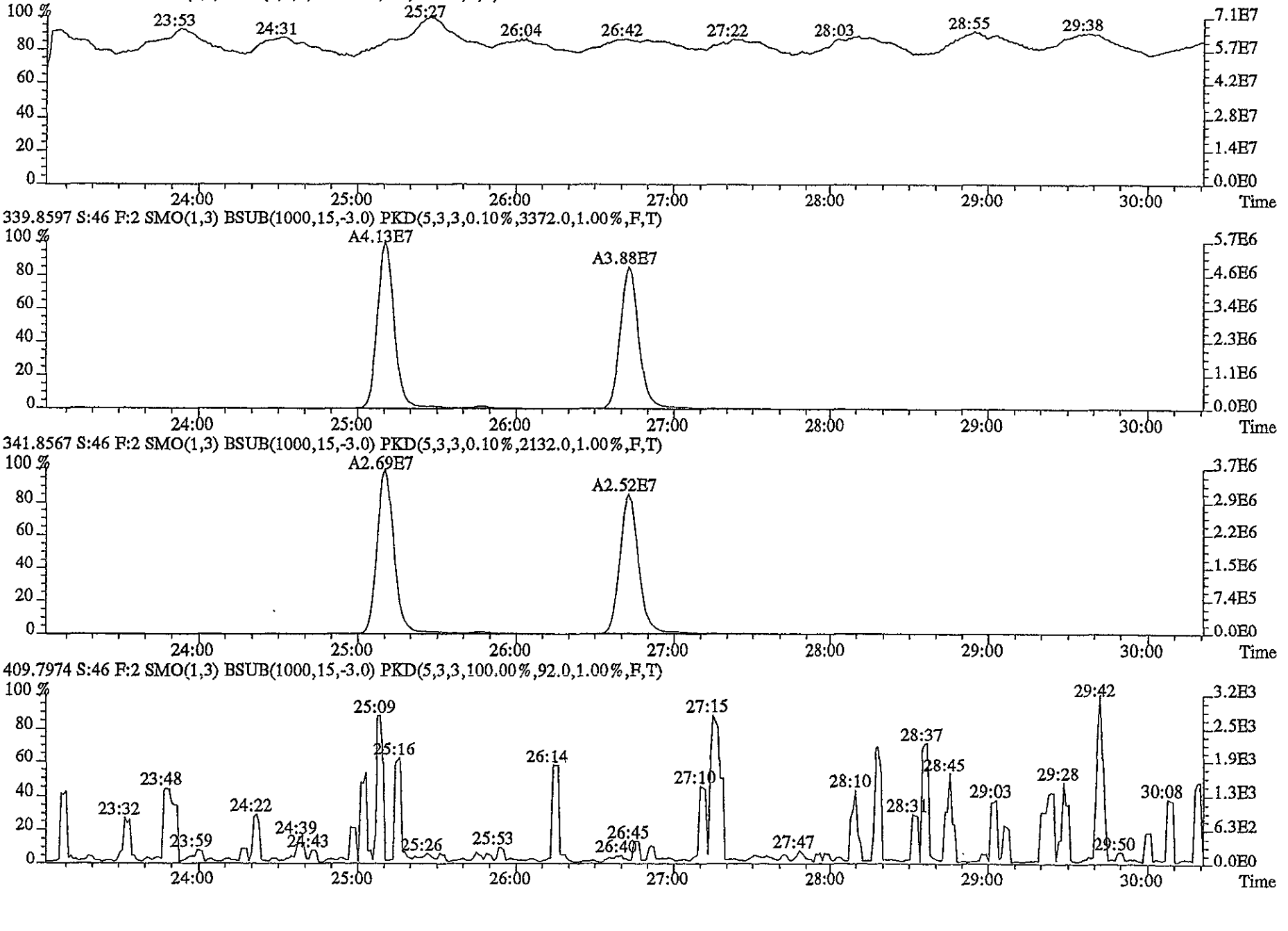




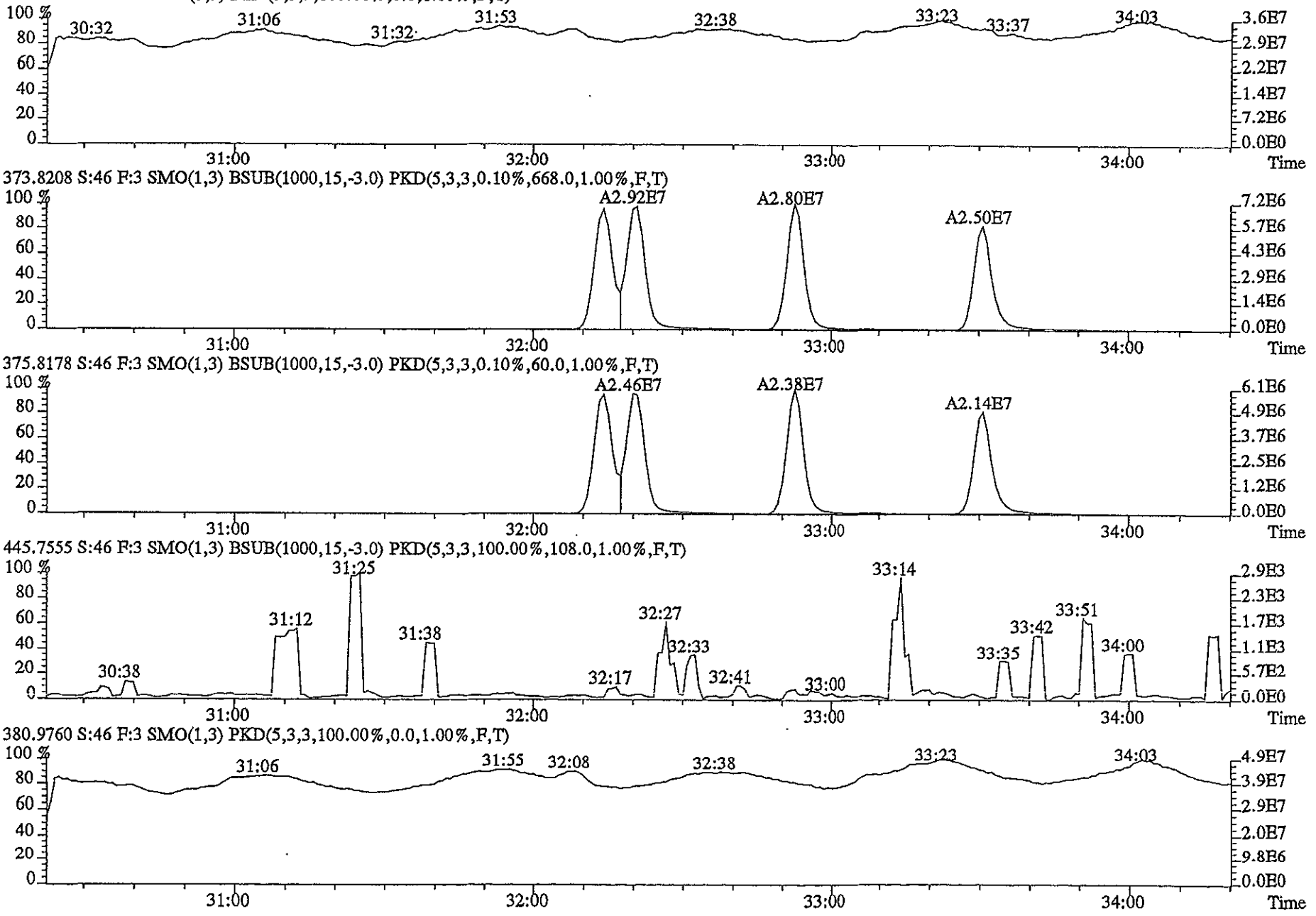




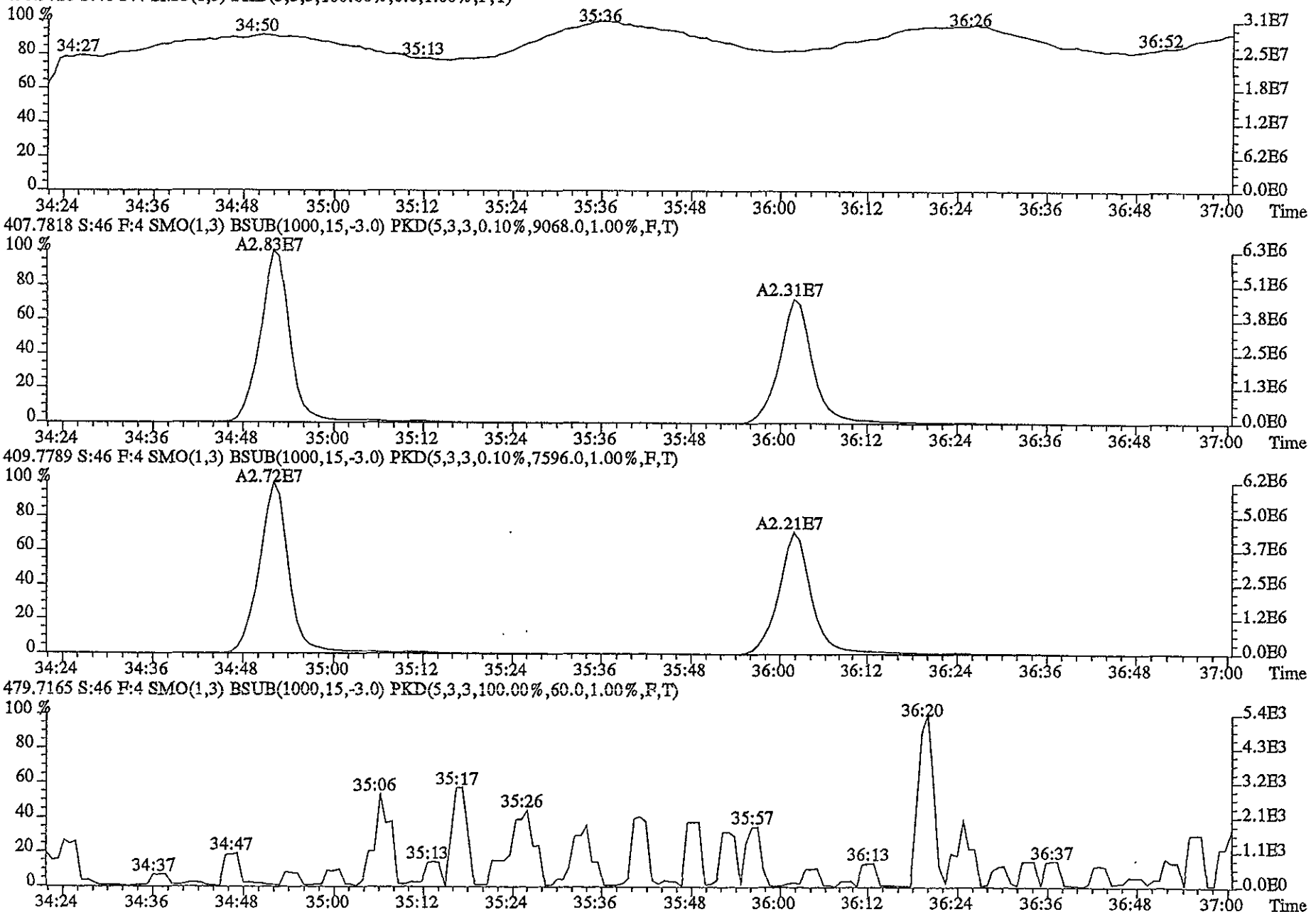
File:13SE10A4D5 #1-470 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES



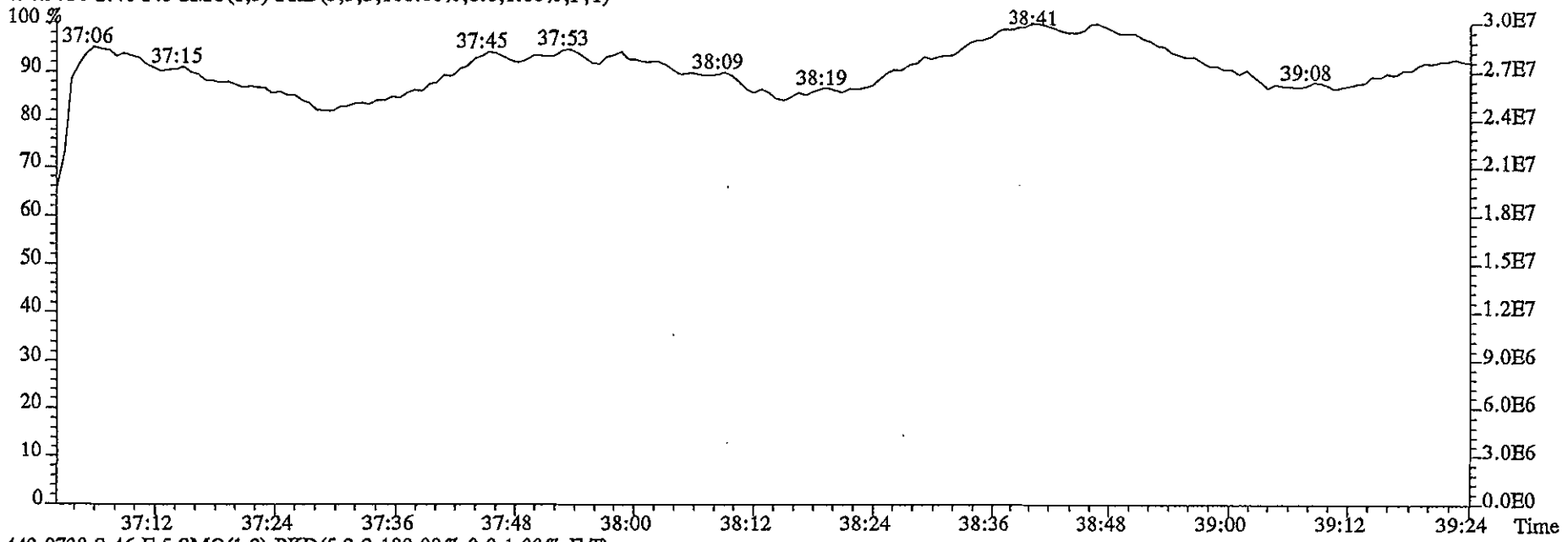
File:13SE10A4D5 #1-286 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES



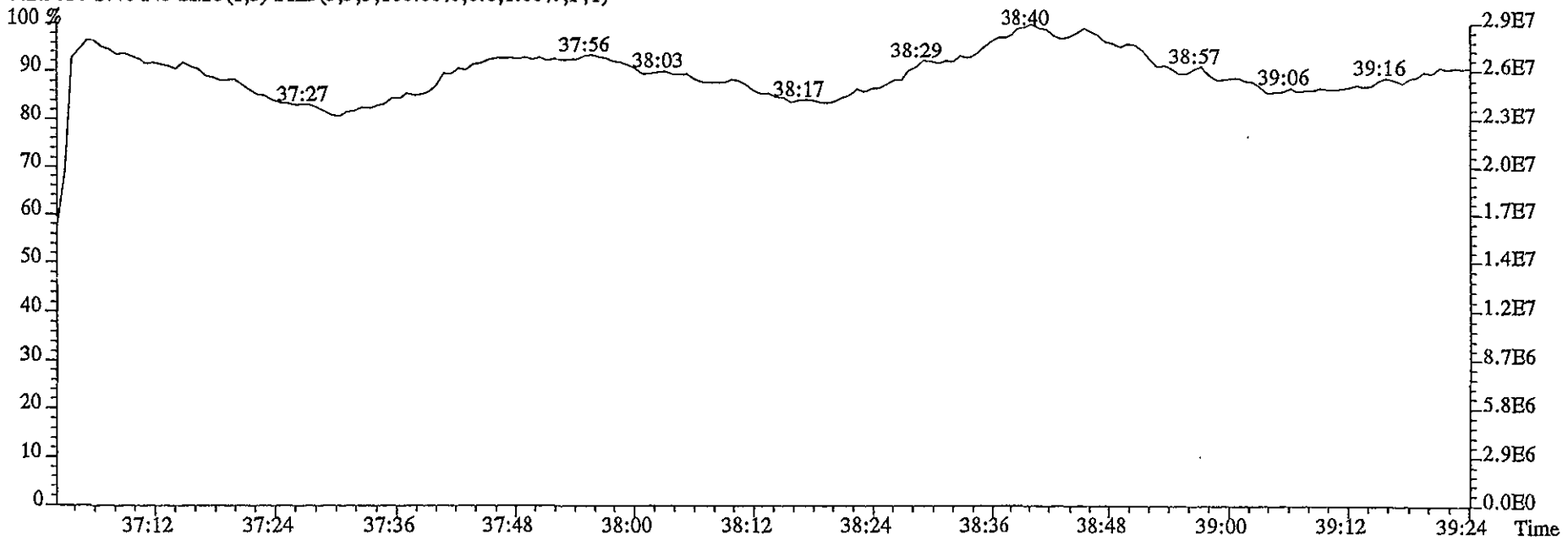
File:13SE10A4D5 #1-201 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 Exp:DIOXINRES



File:13SE10A4D5 #1-192 Acq:14-SEP-2010 20:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#46 Text:ST0913D :CS3 10DXN417 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)



TestAmerica
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Daily Calibration Checklist
Dioxin Methods

Method ID T09 (DB225) **Associated ICAL** DB225 Air 072610SD2R

Column ID DB225 **Instrument ID** SD2

STD ID STO914, STO914A **STD Solution** 10 DxN426

Analyzed by NK, AS **Date Analyzed** 09-14-10, 09-15-10

Std. Pkg. By AS **Date Std. Pkg. Assembled** 09-15-10

Std. Pkg. Reviewed By [signature] **Date Std. Pkg. Reviewed** 9/15/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
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: ST0914 File text: ST0914 :CS3 10DXN426
Run #6 Filename 14SE10C5D2 S: 2 I: 1
Acquired: 14-SEP-10 19:26:57 Processed: 15-SEP-10 10:05:17
Run: 14SE10C5D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R Results: 14SE10C5D2DB225AIR

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	192020700	0.78	y	14:59	-	100.00	-	n
13C-2,3,7,8-TCDF	424481000	0.78	y	16:11	2.21	100.00	4.7	n
2,3,7,8-TCDF	42950500	0.74	y	16:11	1.01	10.00	-4.2	n
13C-2,3,7,8-TCDD	179722000	0.79	y	14:42	0.94	100.00	5.8	n
2,3,7,8-TCDD	33752900	0.78	y	14:43	1.88	10.00	14.8	n
37Cl-2,3,7,8-TCDD	28929200	1.00	y	14:43	1.61	10.00	10.4	n

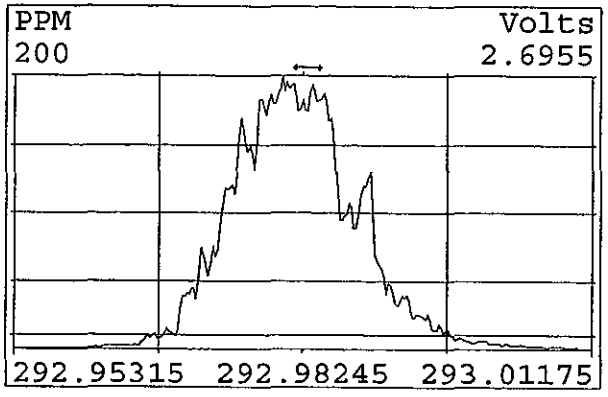
Run text: ST0914A File text: ST0914A :CS3 10DXN426
Run #10 Filename 14SE10C5D2 S: 18 I: 1
Acquired: 15-SEP-10 05:05:23 Processed: 15-SEP-10 10:05:20
Run: 14SE10C5D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R Results: 14SE10C5D2DB225AIR

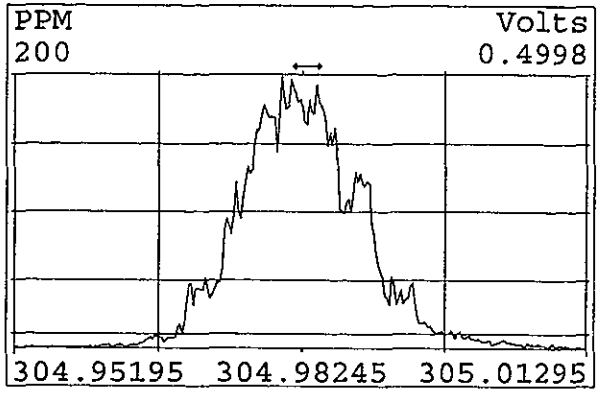
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	180719400	0.77 y	14:59	-	100.00	-	n
13C-2,3,7,8-TCDF	369104000	0.80 y	16:10	2.04	100.00	-3.3	n
2,3,7,8-TCDF	37444900	0.75 y	16:10	1.01	10.00	-3.9	n
13C-2,3,7,8-TCDD	169255100	0.77 y	14:42	0.94	100.00	5.9	n
2,3,7,8-TCDD	29915700	0.80 y	14:43	1.77	10.00	8.0	n
37Cl-2,3,7,8-TCDD	25818400	1.00 y	14:42	1.53	10.00	4.6	n

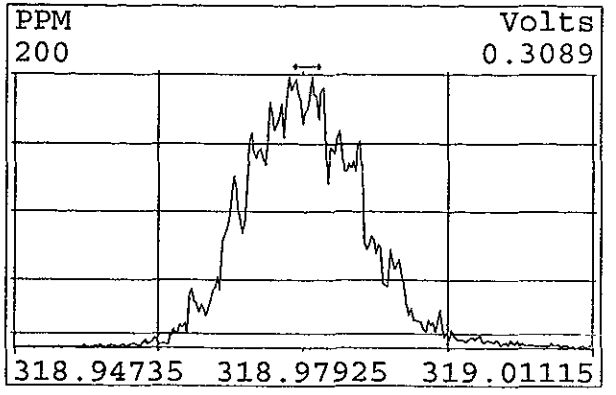
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
14SE10C5D2	1	CP0914	DB-225 CPSM 3732-06				1.0000	
14SE10C5D2	2	ST0914	CS3 10DXN426				1.0000	
14SE10C5D2	3	SB0914	Solvent Blank C-14				1.0000	
14SE10C5D2	4	L5TR6-1-AC	G0H190482-1	20	8290/SOLID	25	9.9800	g
14SE10C5D2	5	L5TTA-1-A4	G0H190482-3	20	8290/SOLID		10.0100	g
14SE10C5D2	6	L5TTE-1-A4	G0H190482-5	20	8290/SOLID		9.9300	g
14SE10C5D2	7	L5TTH-1-A4	G0H190482-7	20	8290/SOLID		9.9900	g
14SE10C5D2	8	L5TTL-1-A4	G0H190482-9	20	8290/SOLID		9.8700	g
14SE10C5D2	9	L5TT1-1-A4	G0H190482-11	20	8290/SOLID		9.9000	g
14SE10C5D2	10	L5TV6-1-A4	G0H190482-15	20	8290/SOLID		9.9500	g
14SE10C5D2	11	L50XJ-1-AA	A0H210455-1	20	8290A/SOLID	R77	9.8700	g
14SE10C5D2	12	L51NH-1-AA	G0H230428-1	20	8290/SOLID	31	11.4700	g
14SE10C5D2	13	L51NL-1-AA	G0H230428-2	20	8290/SOLID		10.7100	g
14SE10C5D2	14	L53JP-1-AA	G0H240523-1	20	8290/SOLID	31	10.4500	g
14SE10C5D2	15	L6K6W-1-AA	G0I040476-2	20	TO9/AIR	33	0.5000	sam
14SE10C5D2	16	L6K62-1-AA	G0I040476-6	20	TO9/AIR		0.5000	sam
14SE10C5D2	17	SB0914A	Solvent Blank C-14				1.0000	
14SE10C5D2	18	ST0914A	CS3 10DXN426				1.0000	
14SE10C5D2	19						1.0000	
14SE10C5D2	20						1.0000	
14SE10C5D2	21						1.0000	
14SE10C5D2	22						1.0000	
SE10C5D2	23						1.0000	
4SE10C5D2	24		NK, AS 09-14-2010				1.0000	

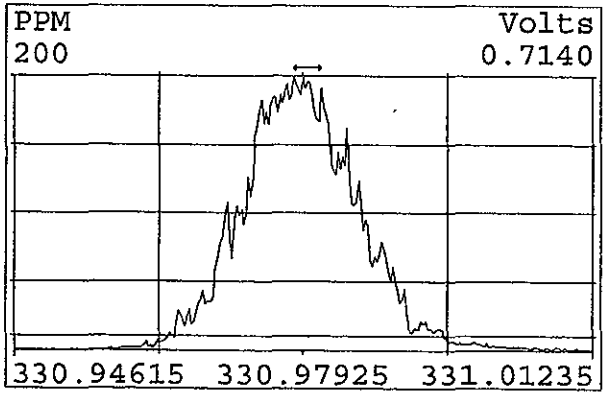
Logged in 9/15/10 NK

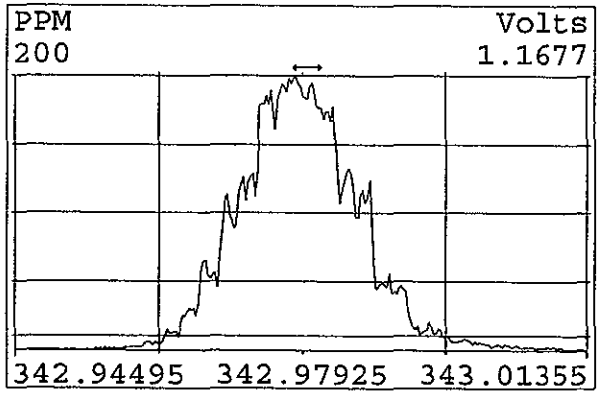
Peak Locate Examination:14-SEP-2010:18:49 File:14SE10C5D2
Experiment:DB225RES Function:1 Reference:PFK

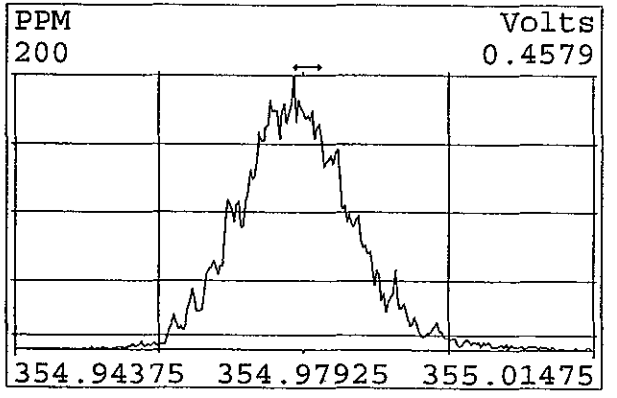


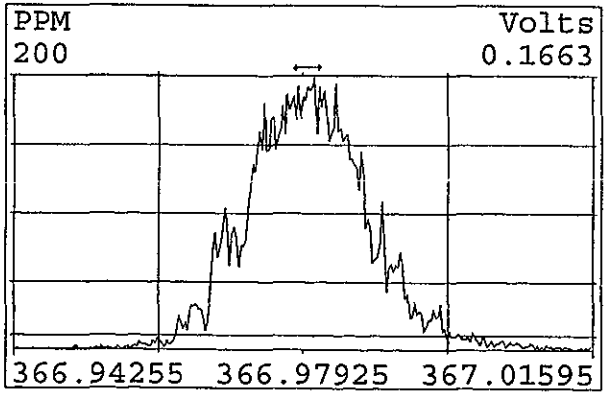


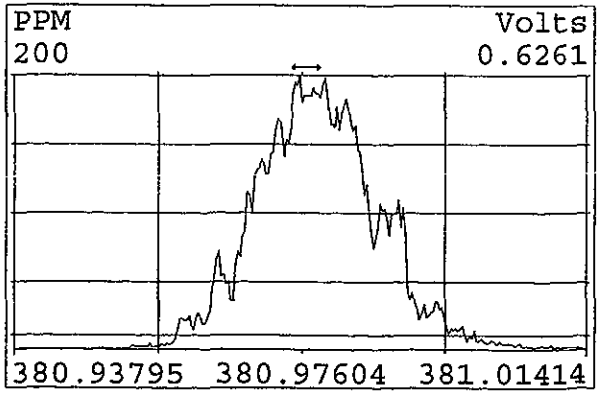




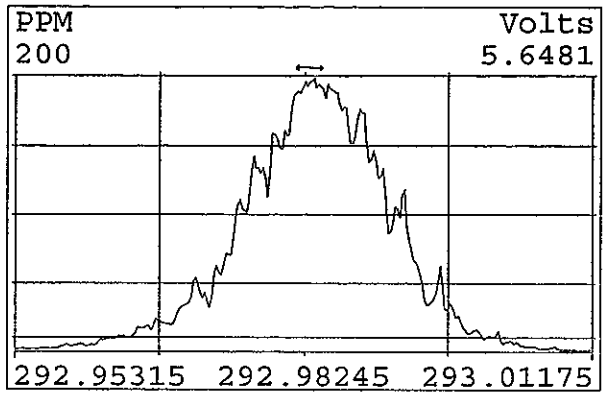


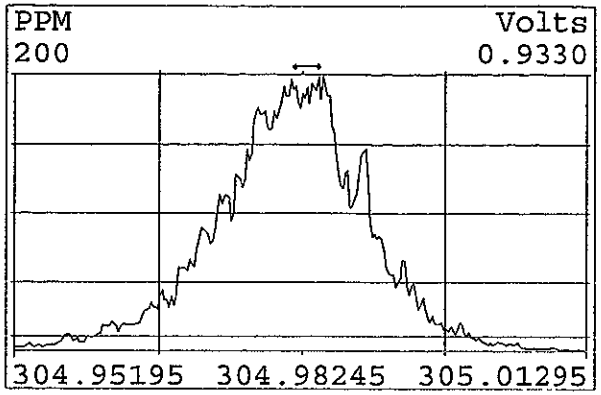


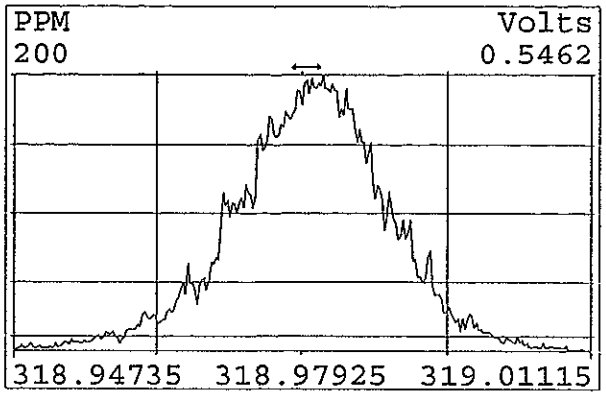


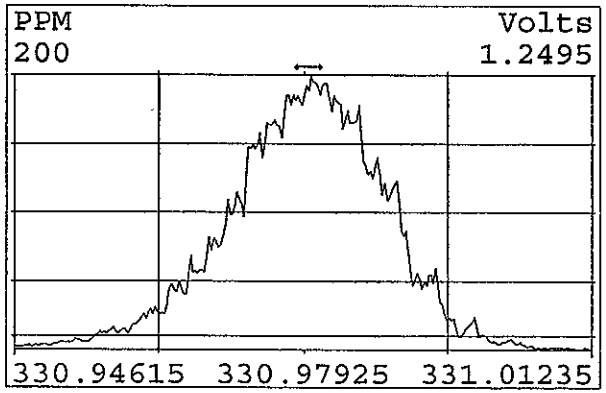


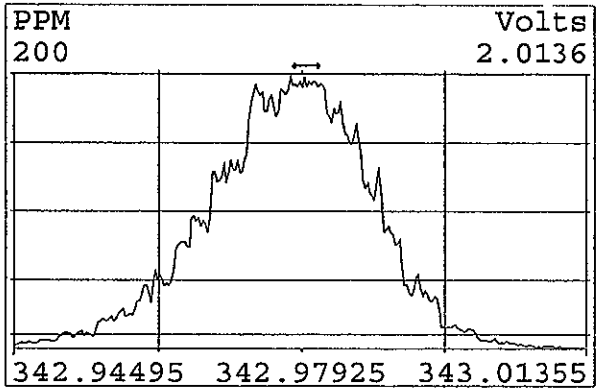
Peak Locate Examination:15-SEP-2010:06:37 File:RESCHECK5D2
Experiment:DB225RES Function:1 Reference:PFK

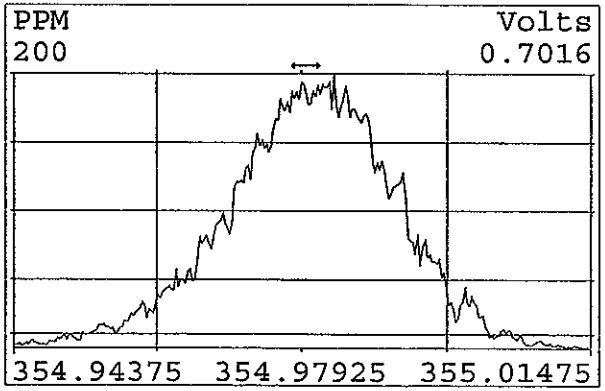


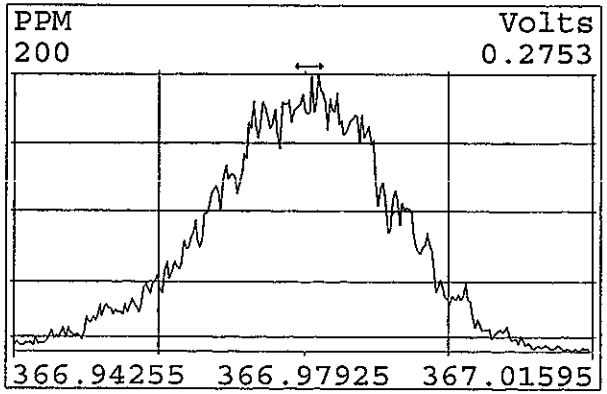


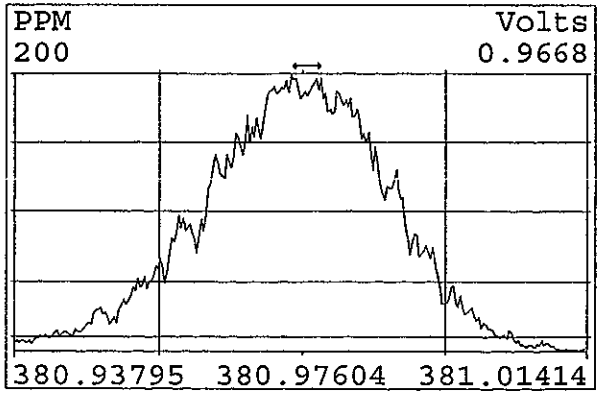




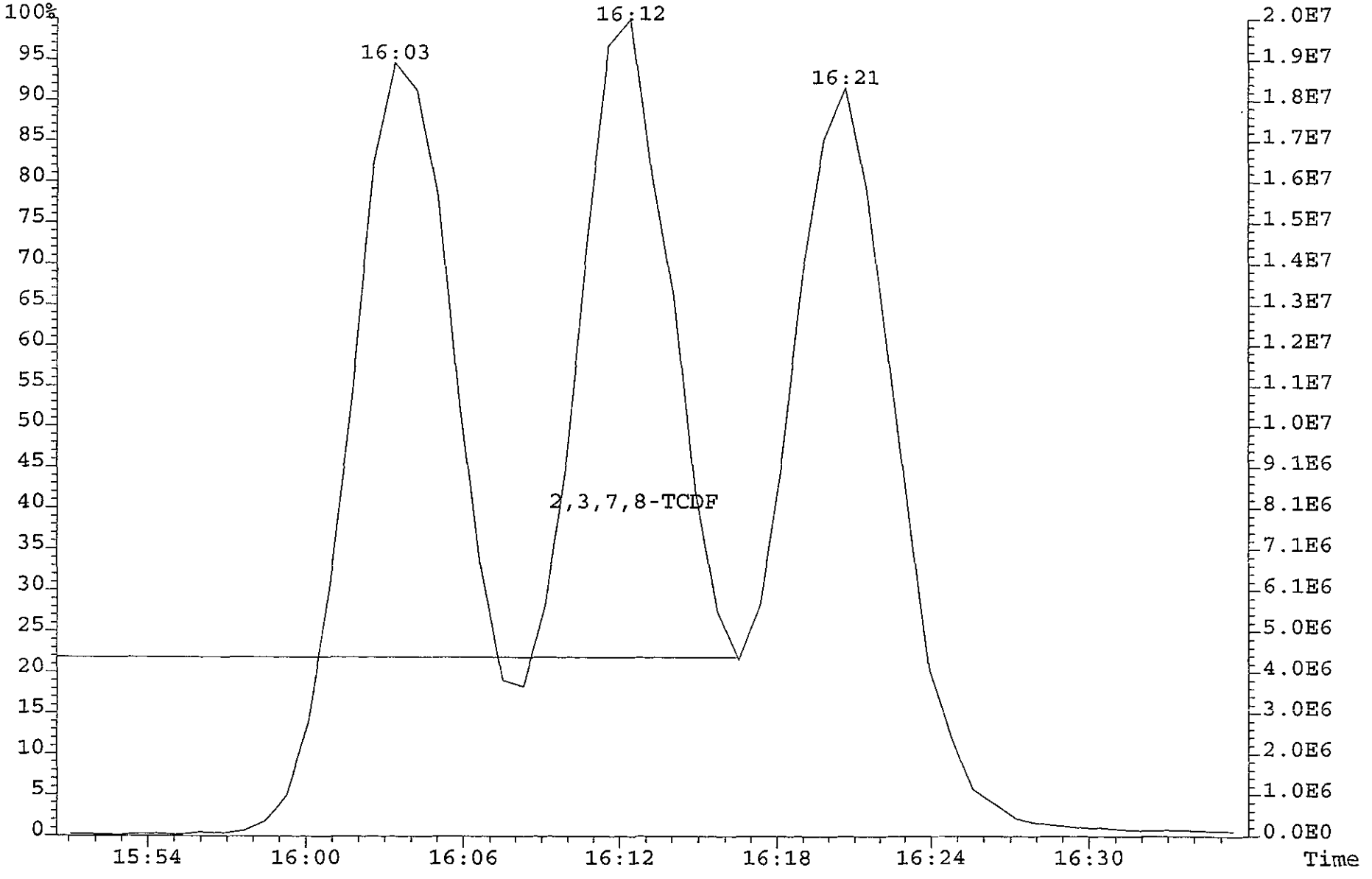








File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 18:50:51 GC EI+ Voltage SIR 70SE
303.9016 BSUB(128,15,-3.0) Exp:DB225RES Noise:1962
Sample Text:CP0914 :DB-225 CPSM 3732-06

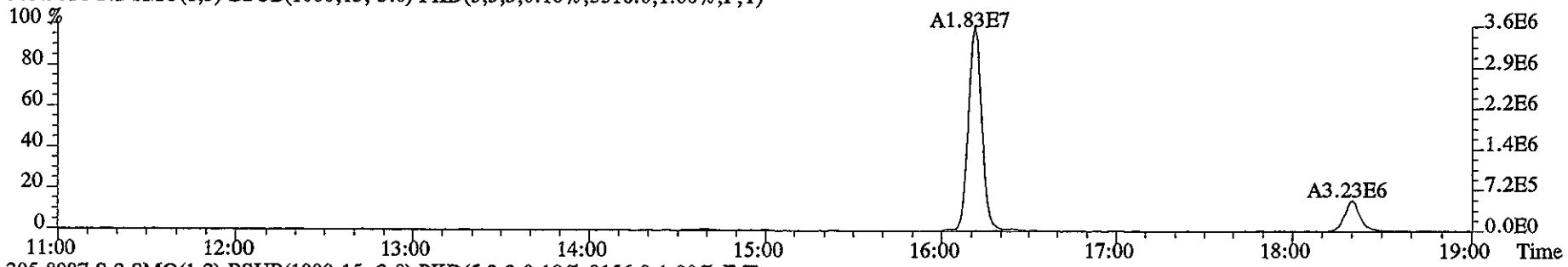


Run: 14SE10C5D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R

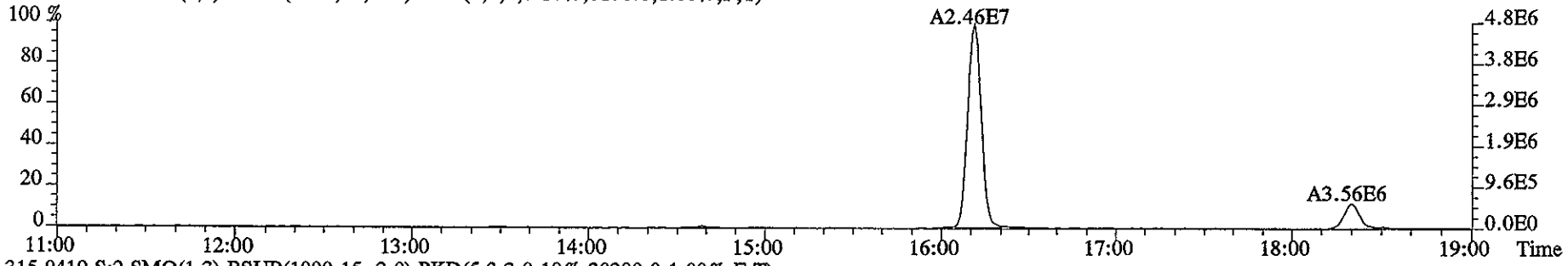
ST0726A :CS-1 10DXN342 RI ST0726B :CS-2 10DXN335 ST0726C :CS-3 10DXN336
ST0726E :CS-4 10DXN337 ST0726D :CS-5 10DXN339

Name	Mean	S. D.	%RSD	26JL105D2 S6 RRF1	26JL105D2 S5 RRF2	26JL105D2 S7 RRF3	26JL105D2 S9 RRF4	26JL105D2 S8 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.111	0.055	2.59 %	2.14	2.09	2.12	2.03	2.18
2,3,7,8-TCDF	1.056	0.035	3.32 %	1.11	1.04	1.02	1.06	1.04
13C-2,3,7,8-TCDD	0.885	0.025	2.78 %	0.91	0.87	0.91	0.86	0.87
2,3,7,8-TCDD	1.636	0.024	1.44 %	1.64	1.67	1.61	1.63	1.62
37Cl-2,3,7,8-TCDD	1.458	0.044	3.01 %	1.40	1.42	1.47	1.49	1.50

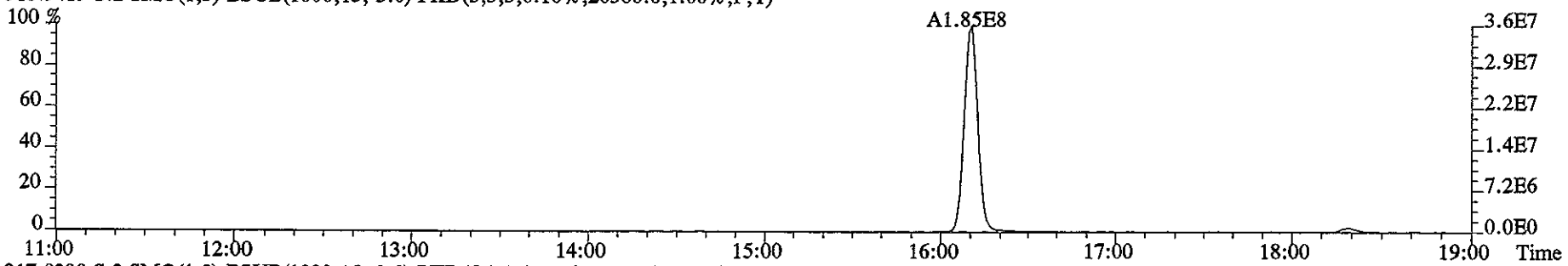
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 19:26:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DB225RES
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5516.0,1.00%,F,T)



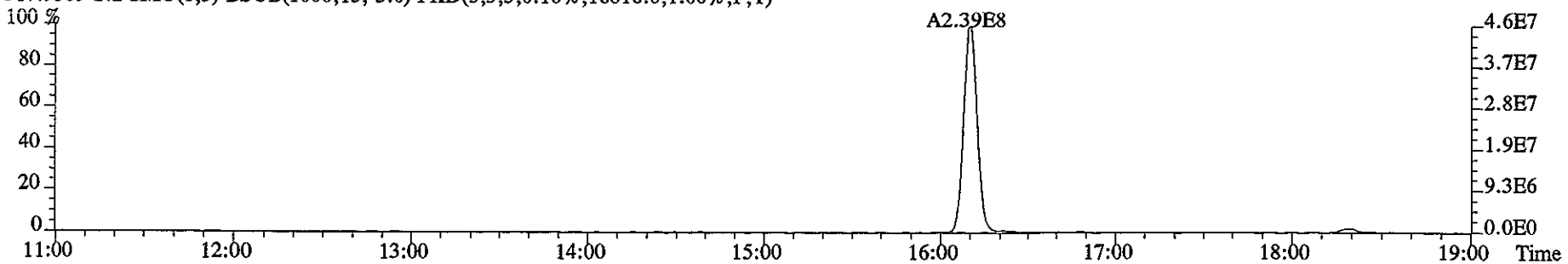
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8156.0,1.00%,F,T)



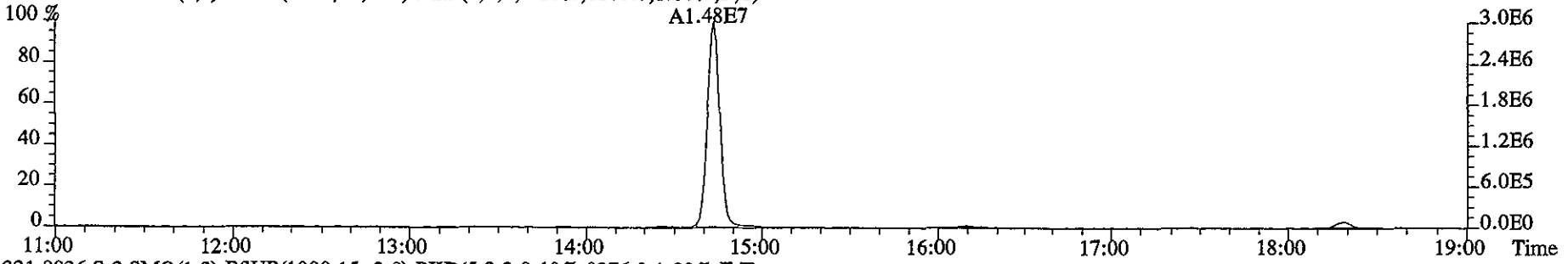
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20380.0,1.00%,F,T)



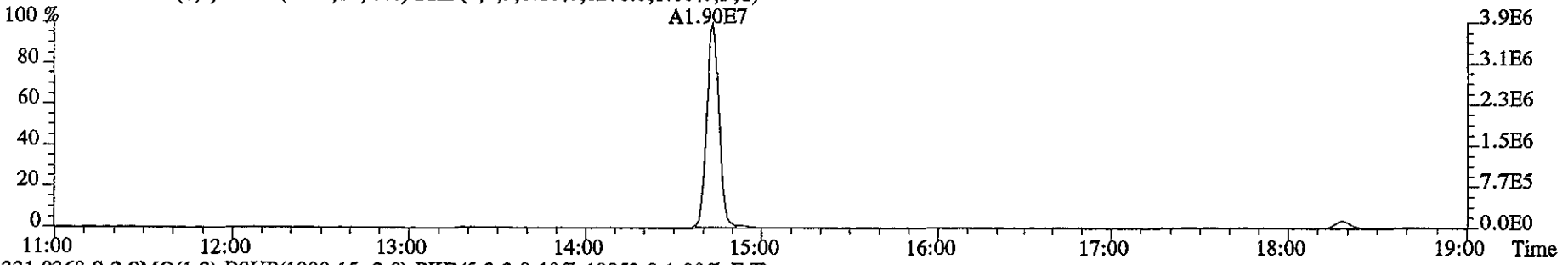
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16816.0,1.00%,F,T)



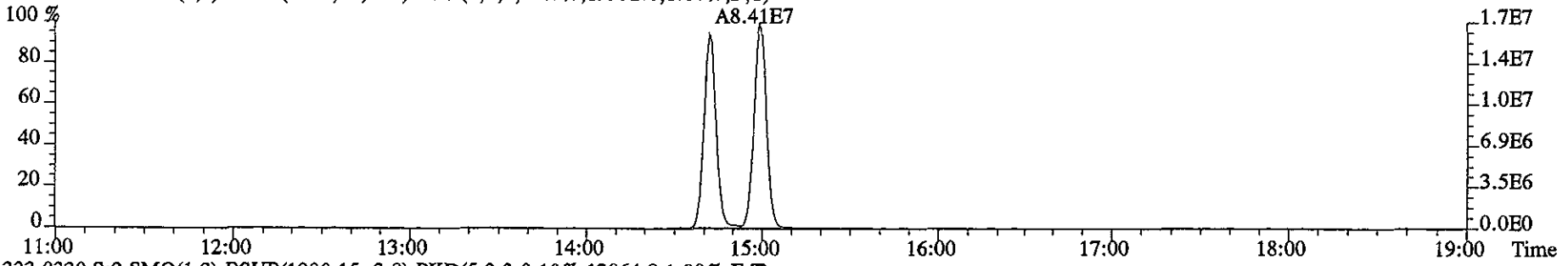
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 19:26:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DB225RES
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6100.0,1.00%,F,T)



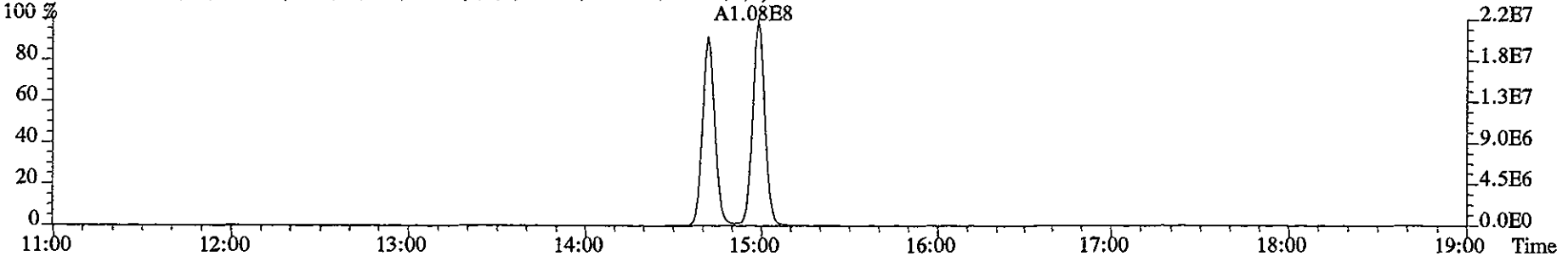
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8276.0,1.00%,F,T)



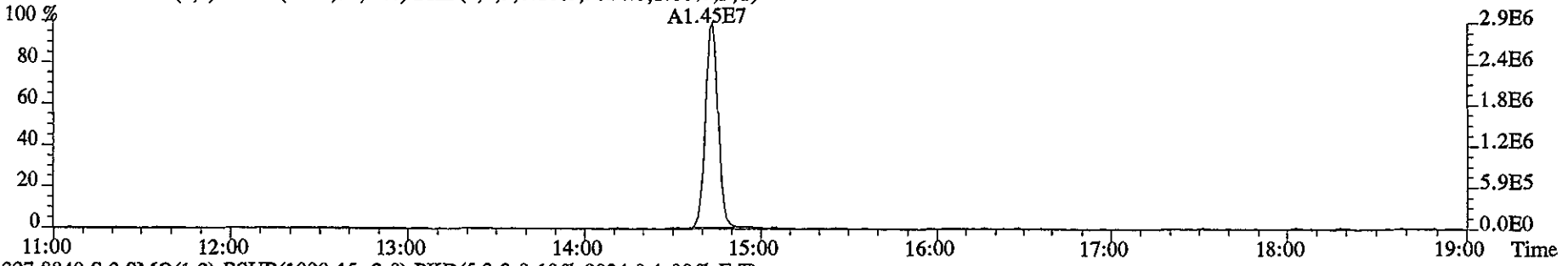
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19952.0,1.00%,F,T)



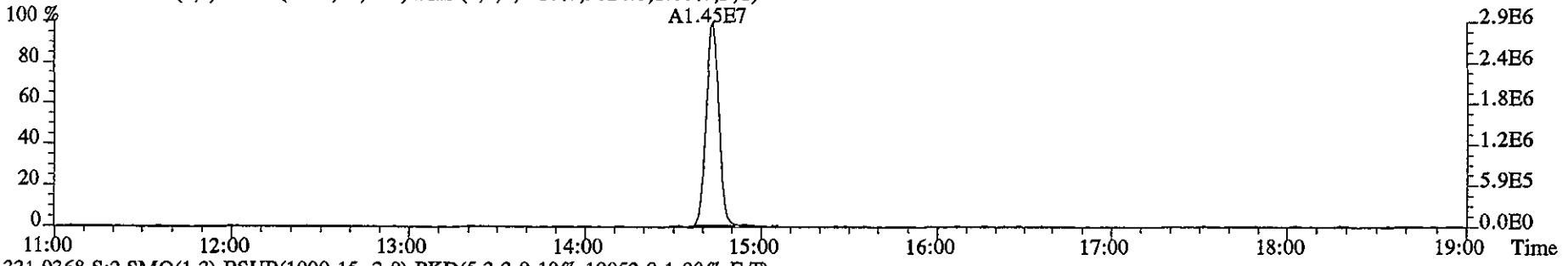
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13064.0,1.00%,F,T)



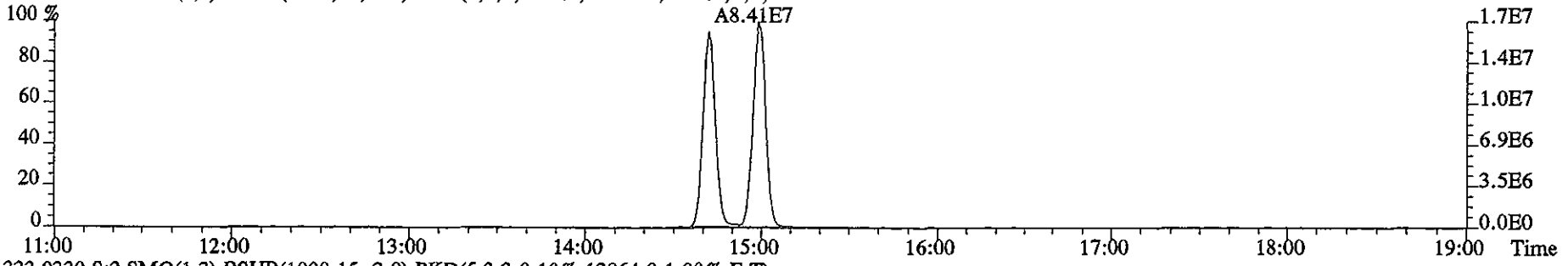
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 19:26:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9024.0,1.00%,F,T)



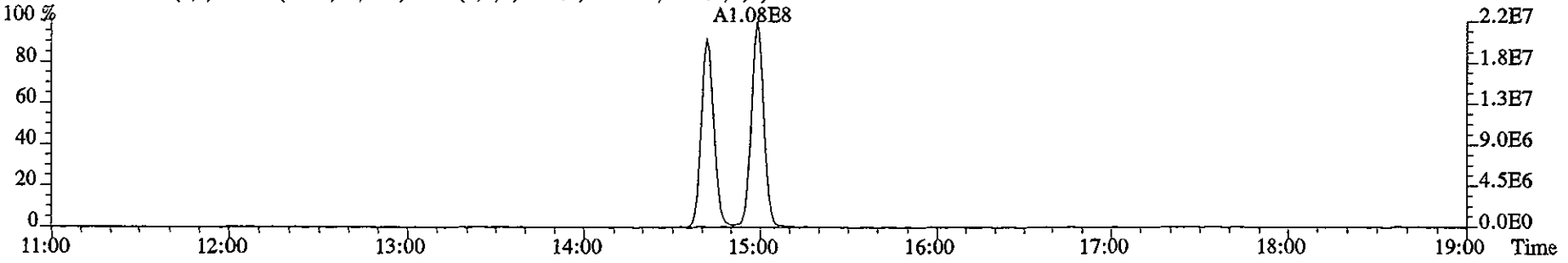
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9024.0,1.00%,F,T)



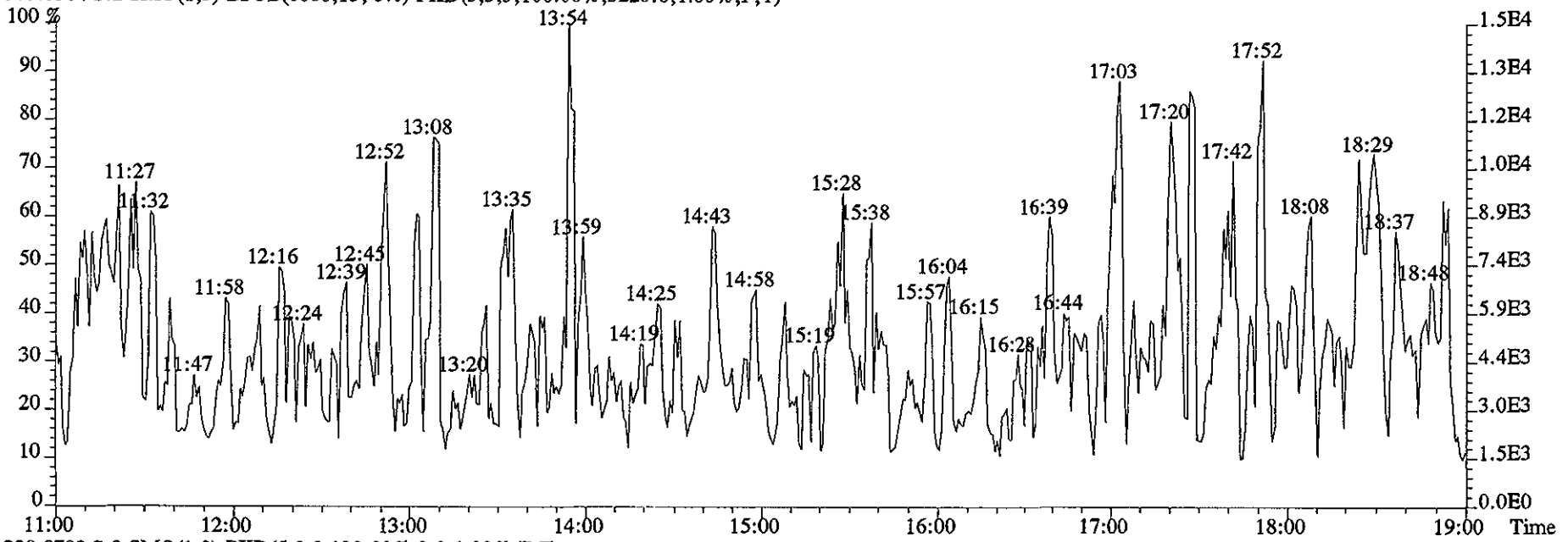
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19952.0,1.00%,F,T)



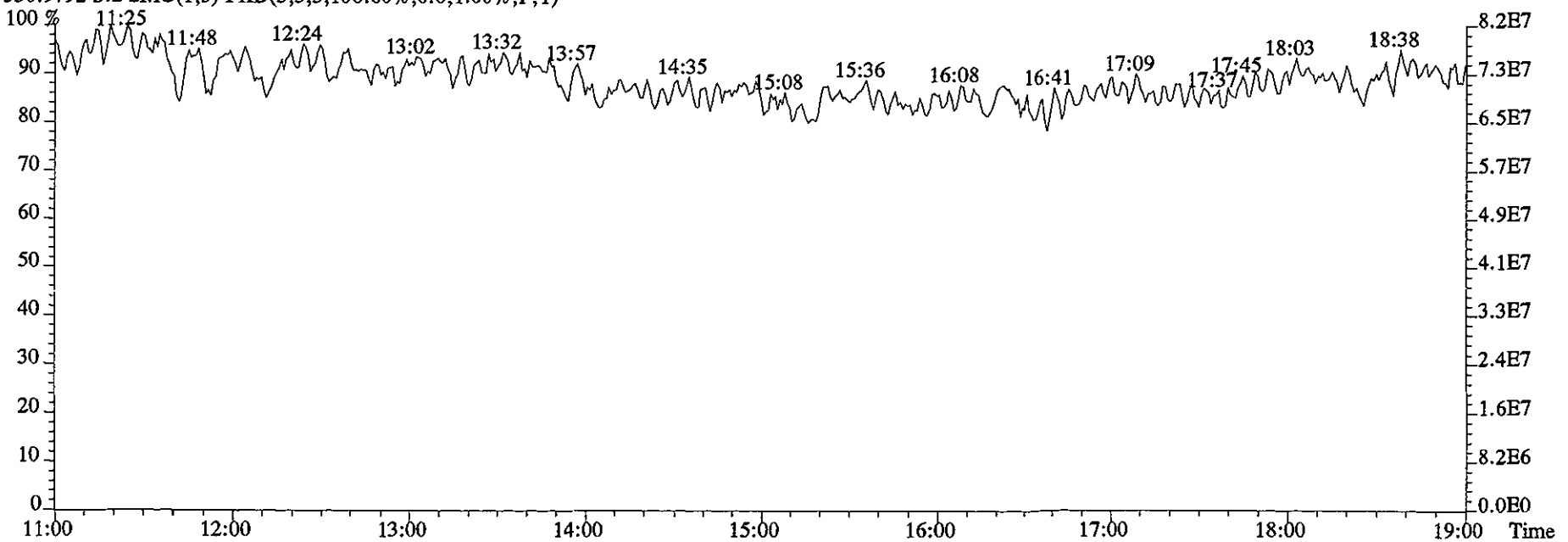
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13064.0,1.00%,F,T)



File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 19:26:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,5220.0,1.00%,F,T)

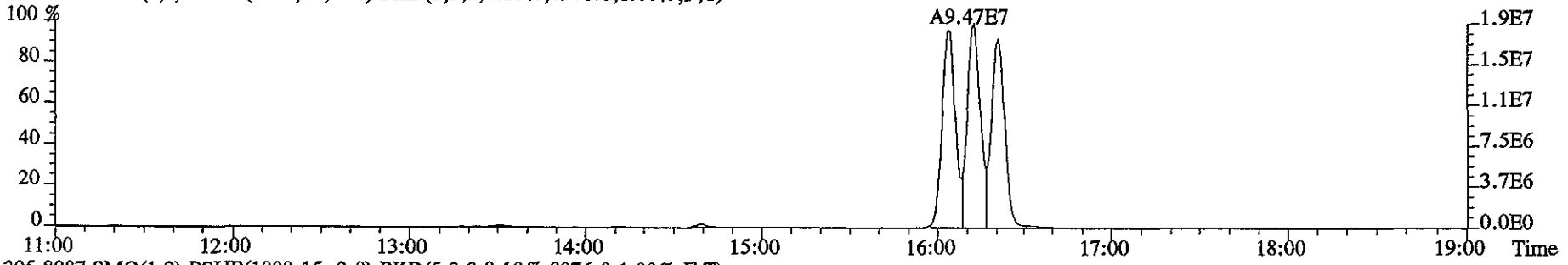


330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

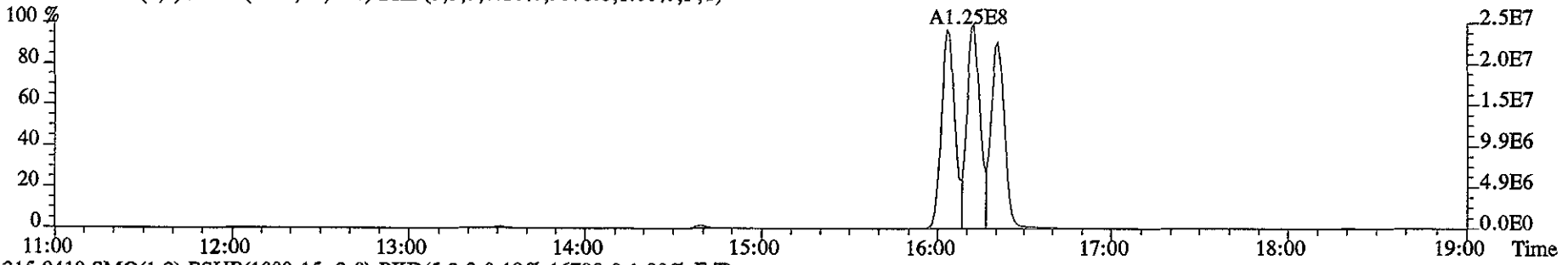


File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 18:50:51 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-225 CPSM 3732-06 Exp:DB225RES

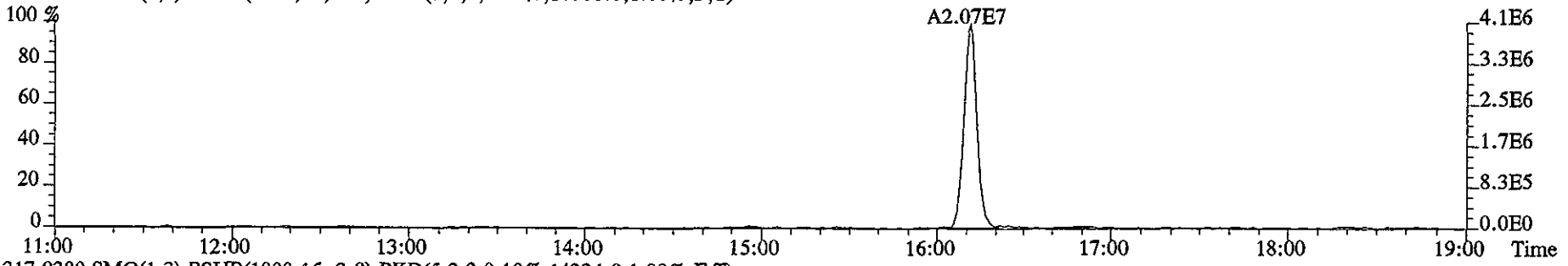
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6976.0,1.00%,F,T)



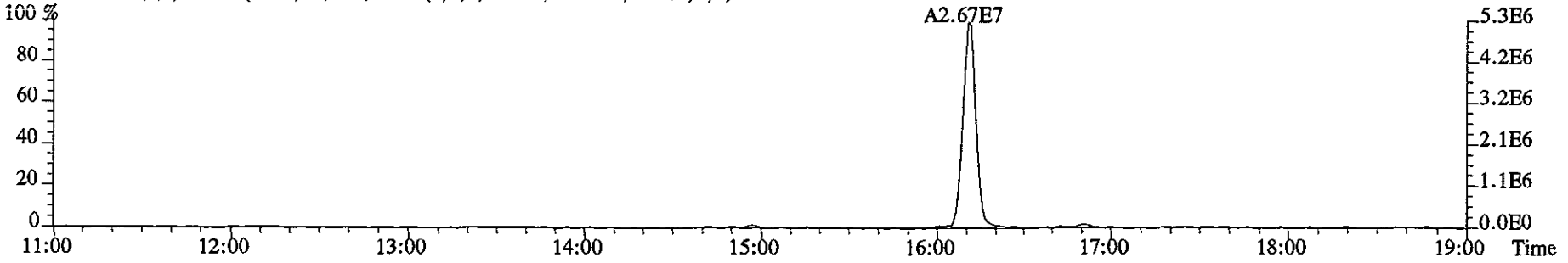
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9076.0,1.00%,F,T)



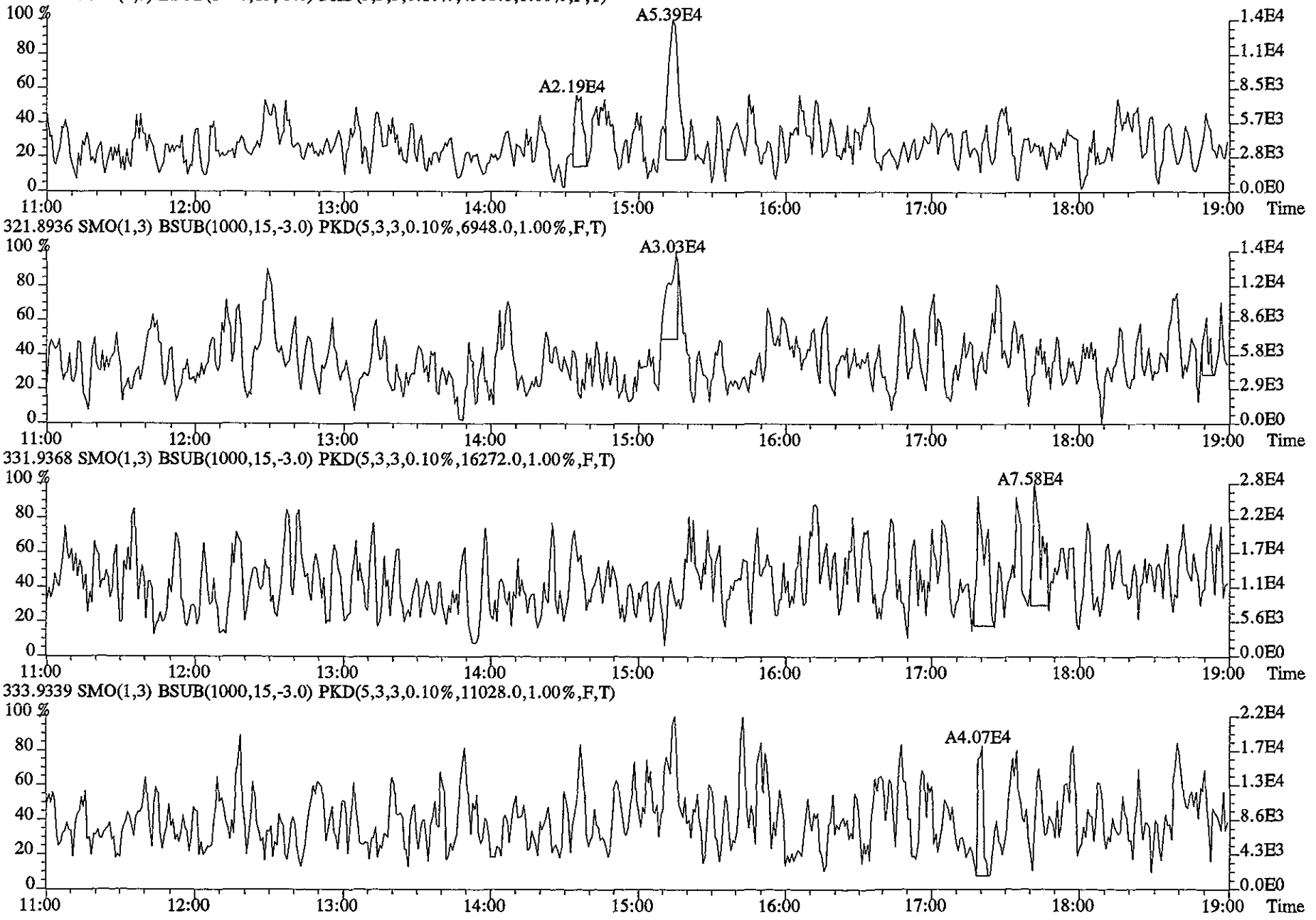
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16708.0,1.00%,F,T)



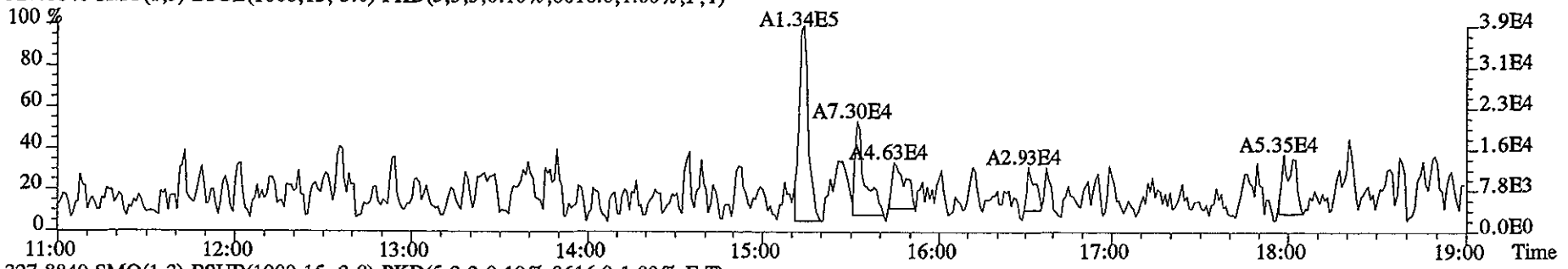
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14324.0,1.00%,F,T)



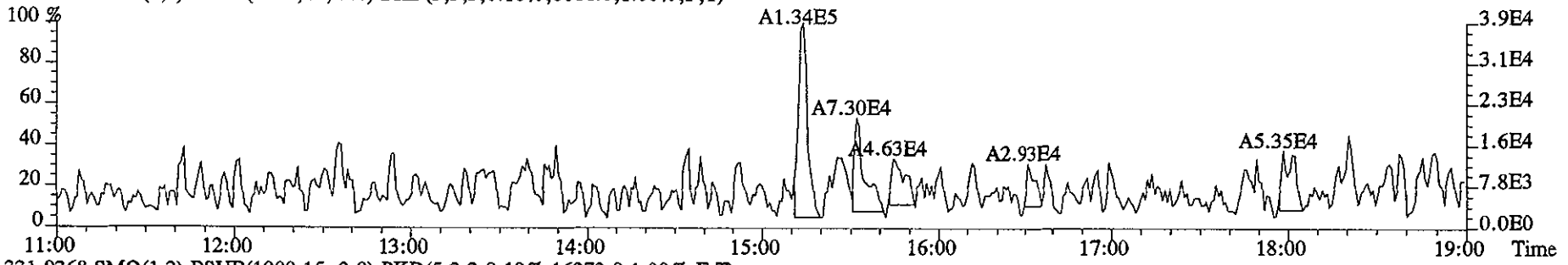
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 18:50:51 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-225 CPSM 3732-06 Exp:DB225RES



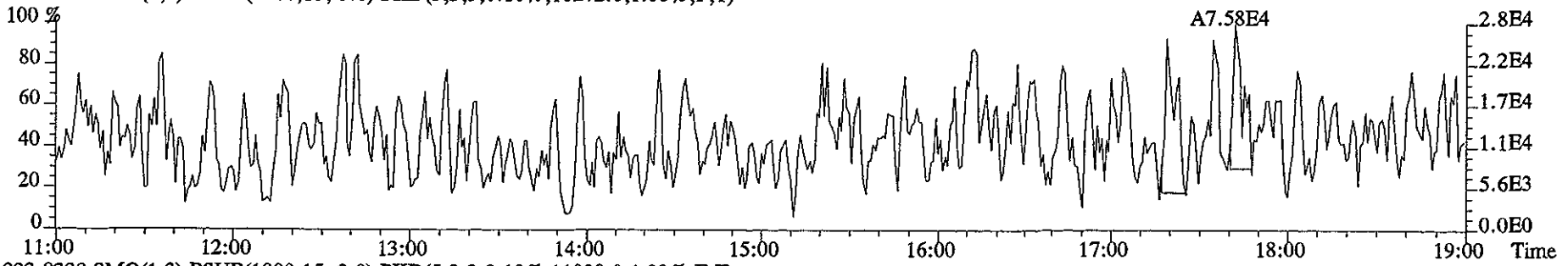
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 18:50:51 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8616.0,1.00%,F,T)



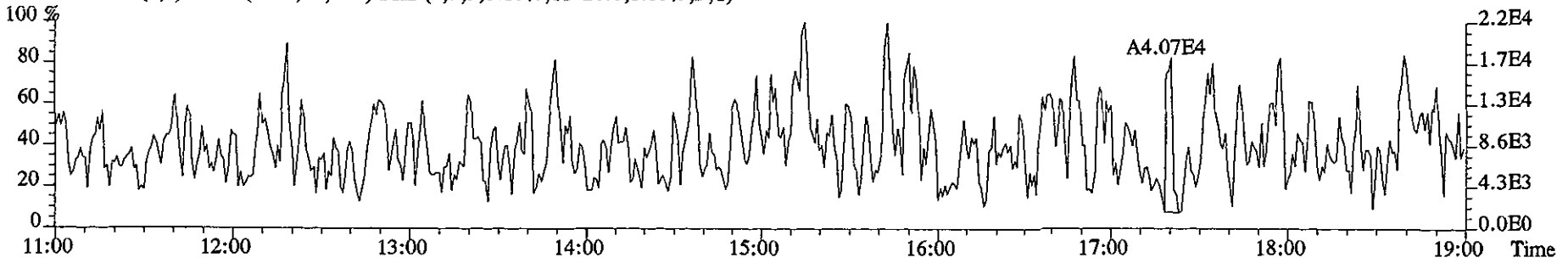
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8616.0,1.00%,F,T)



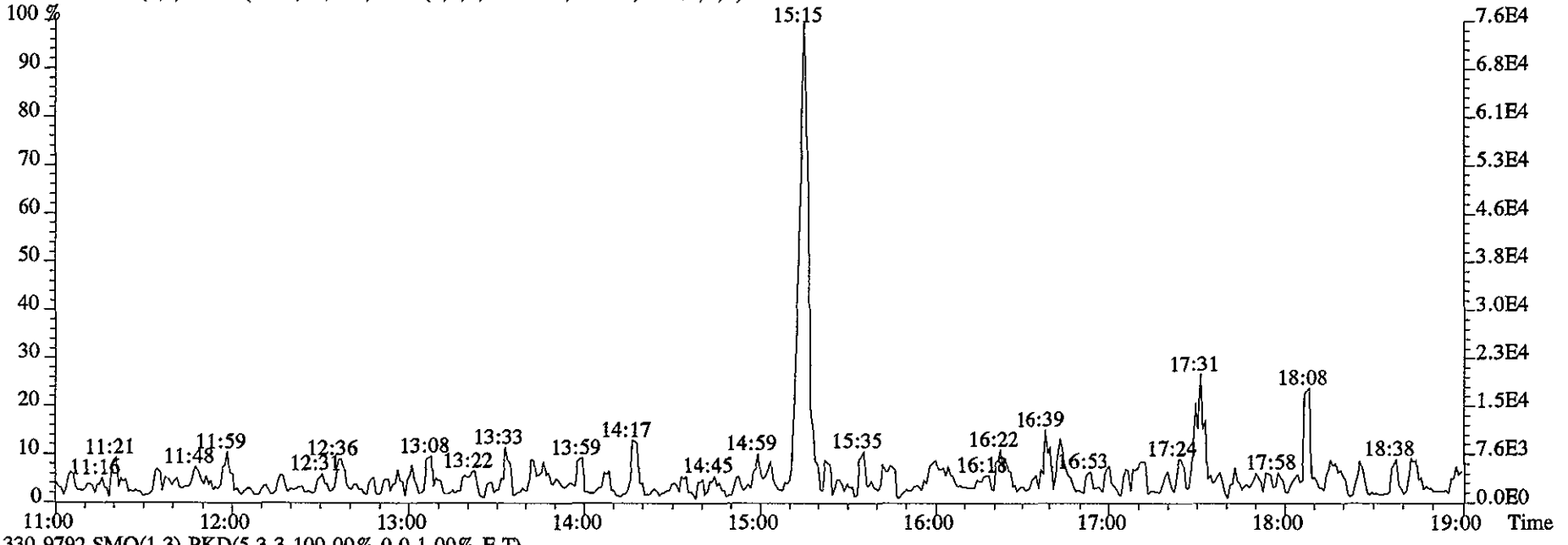
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16272.0,1.00%,F,T)



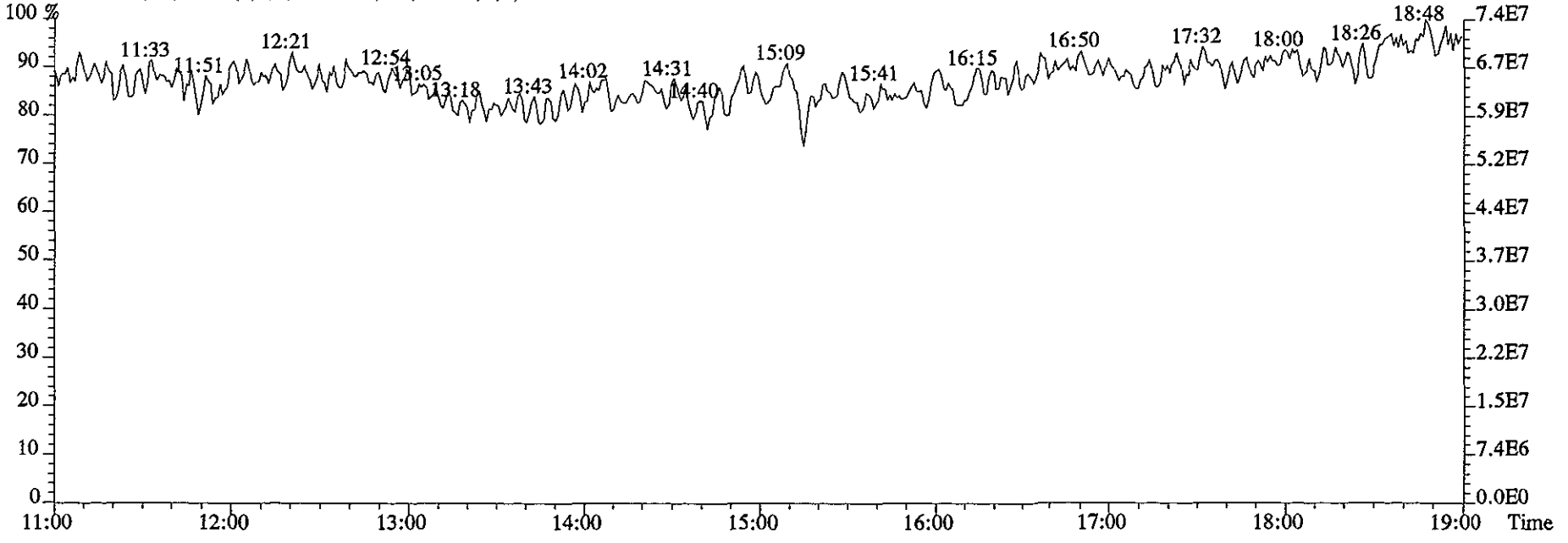
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11028.0,1.00%,F,T)



File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 18:50:51 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3148.0,1.00%,F,T)

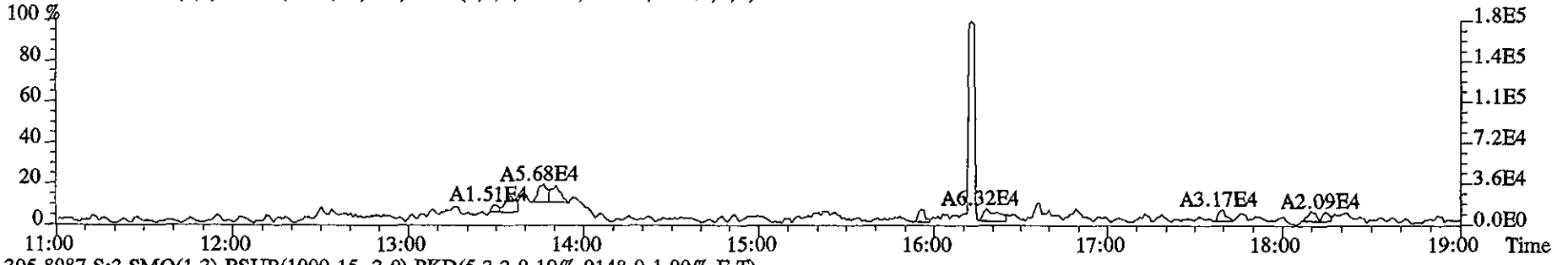


330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

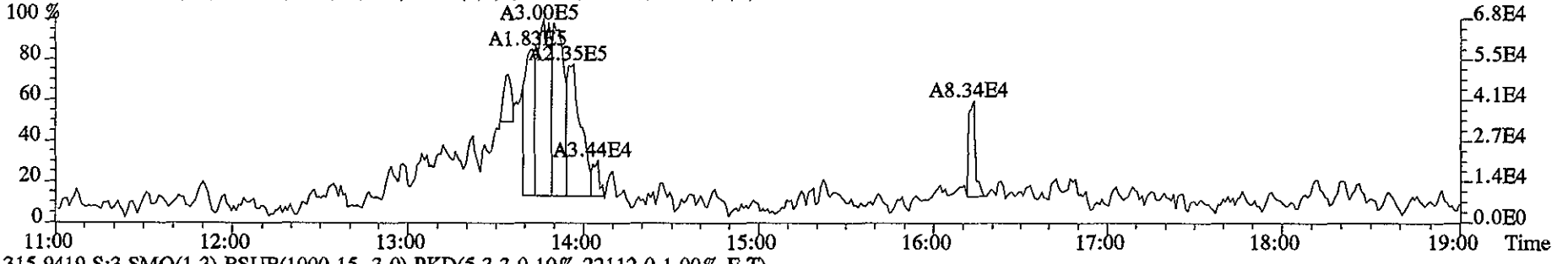


File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 20:03:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0914 :Solvent Blank C-14 Exp:DB225RES

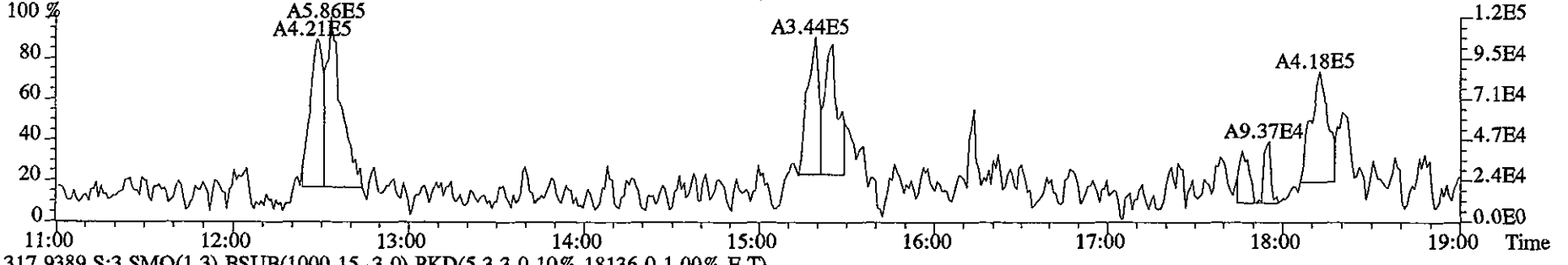
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6440.0,1.00%,F,T)



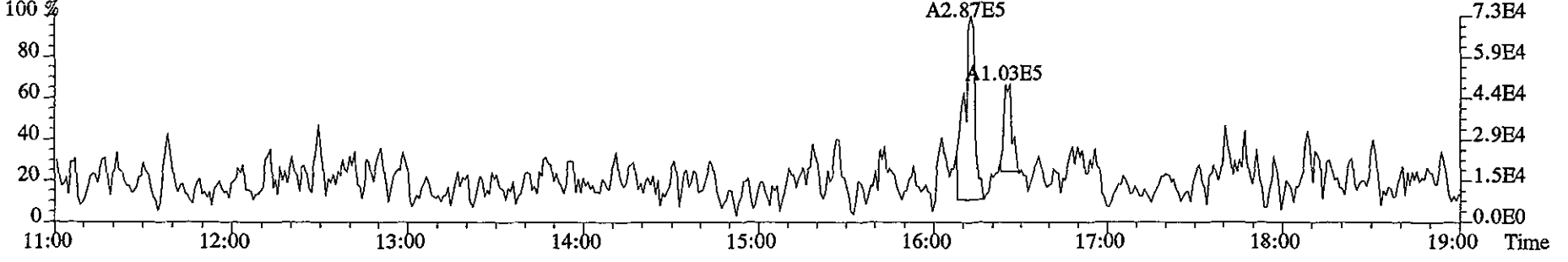
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9148.0,1.00%,F,T)



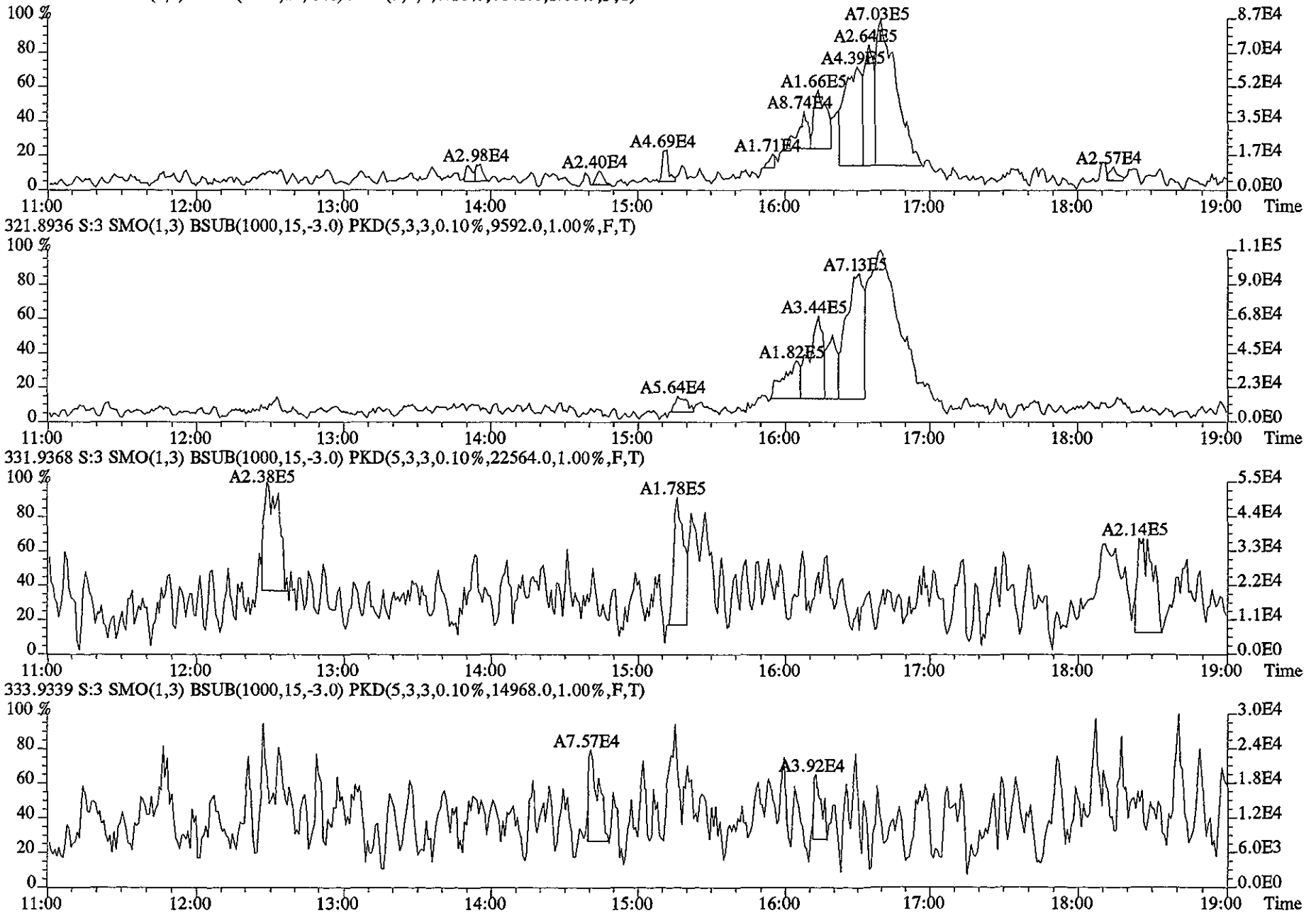
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22112.0,1.00%,F,T)



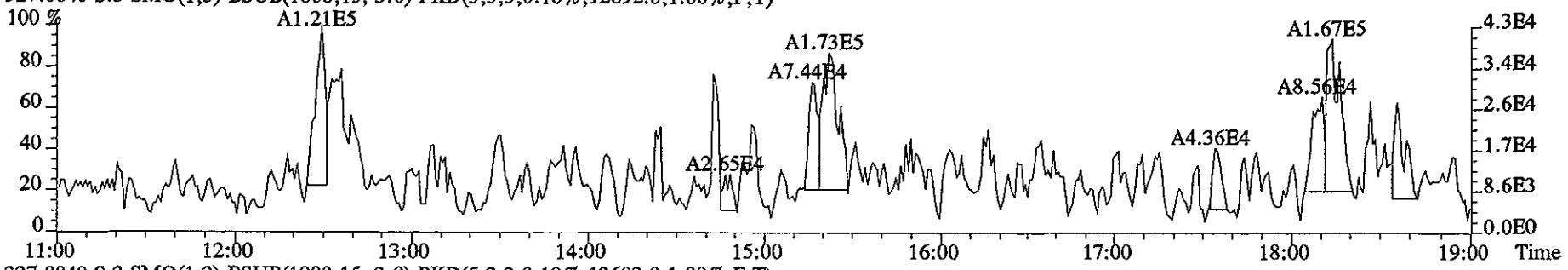
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18136.0,1.00%,F,T)



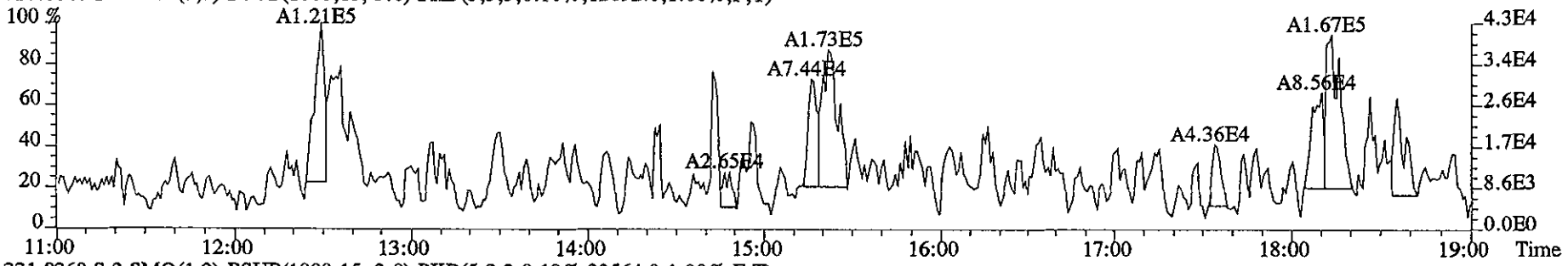
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 20:03:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0914 :Solvent Blank C-14 Exp:DB225RES



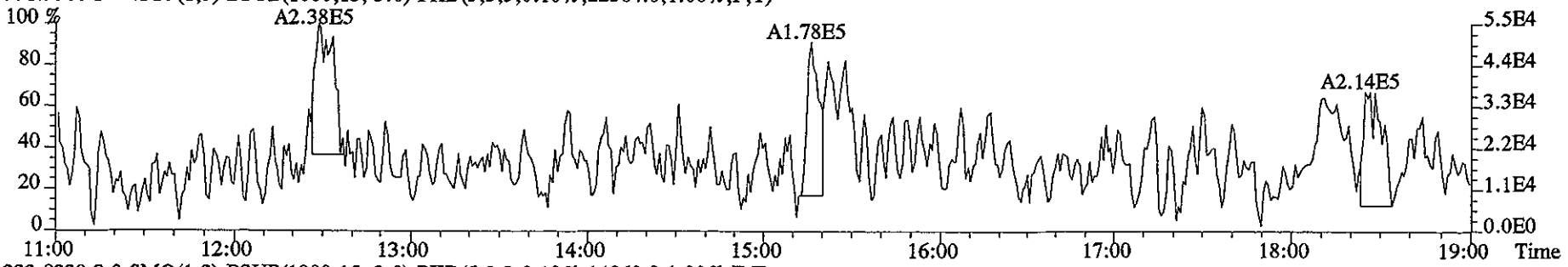
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 20:03:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0914 :Solvent Blank C-14 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12692.0,1.00%,F,T)



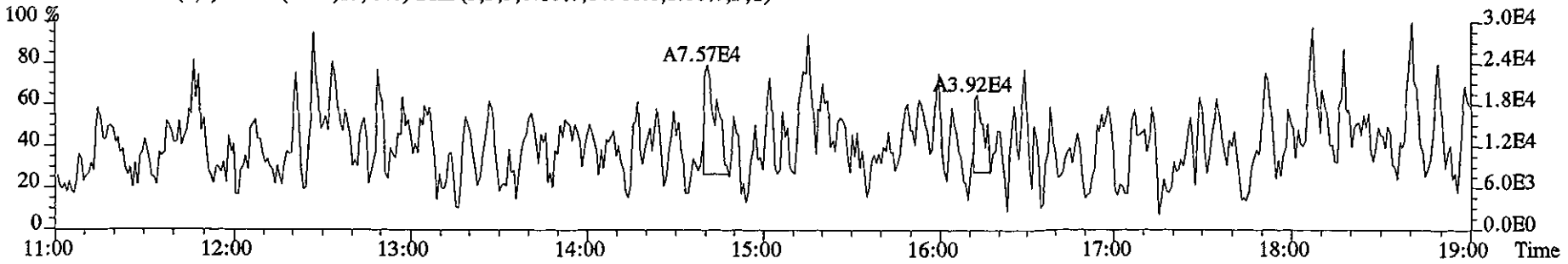
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12692.0,1.00%,F,T)



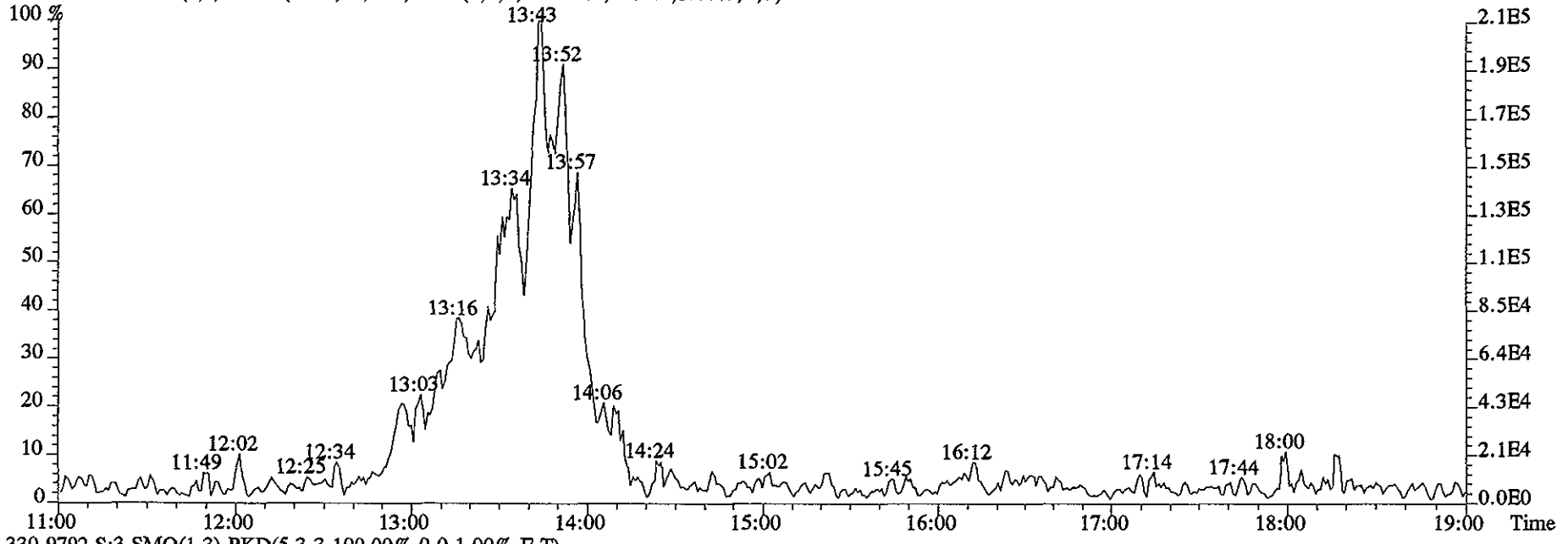
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22564.0,1.00%,F,T)



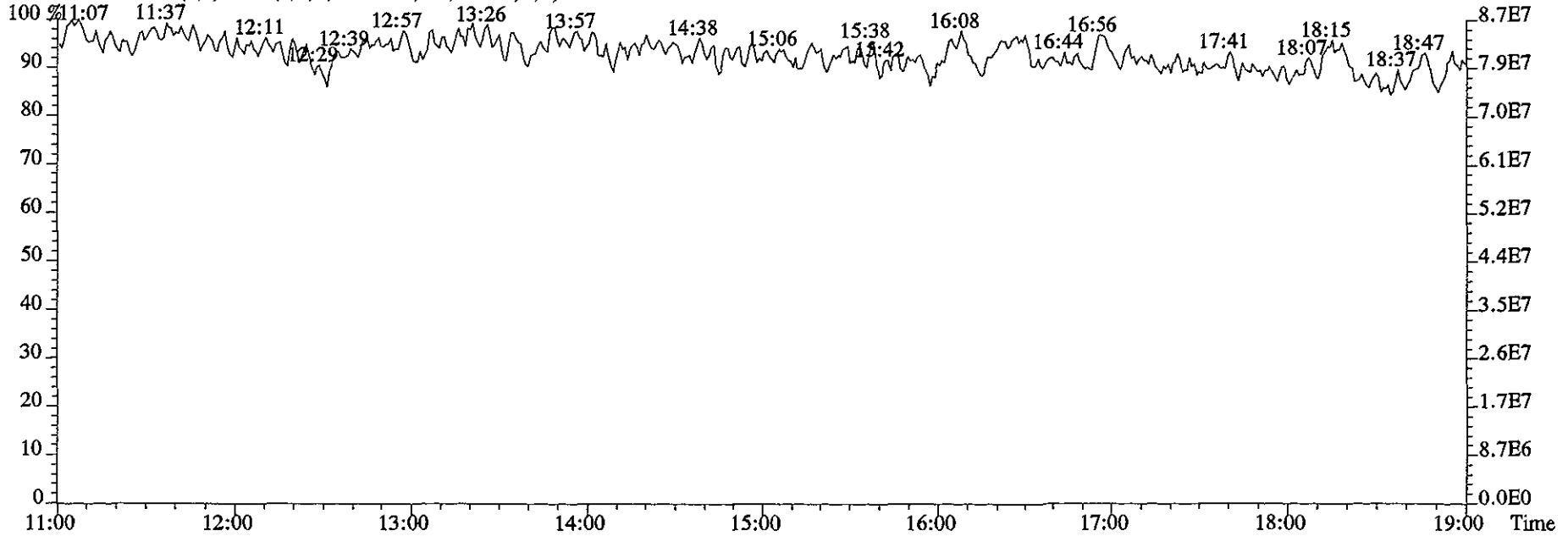
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14968.0,1.00%,F,T)



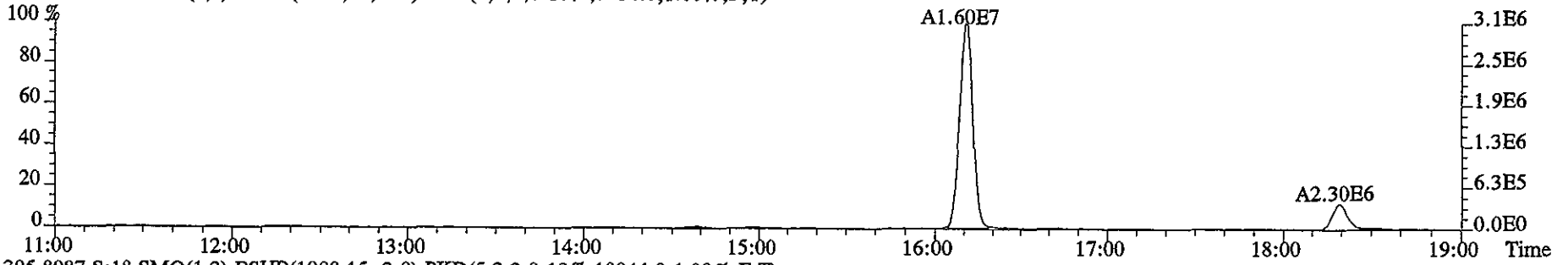
File:14SE10C5D2 #1-1242 Acq:14-SEP-2010 20:03:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0914 :Solvent Blank C-14 Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,8404.0,1.00%,F,T)



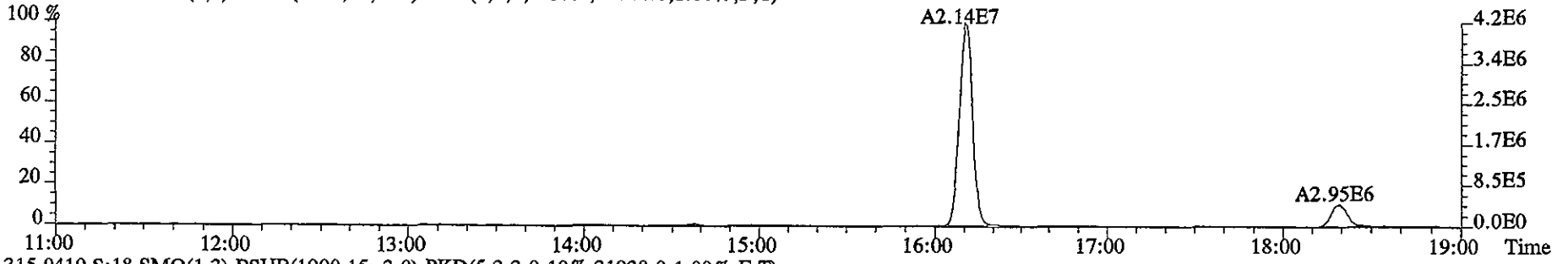
330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



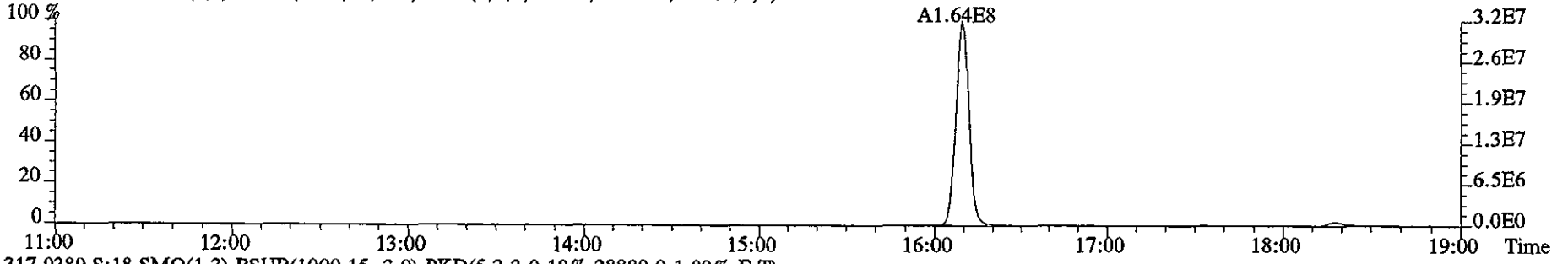
File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 05:05:23 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0914A :CS3 10DXN426 Exp:DB225RES
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7584.0,1.00%,F,T)



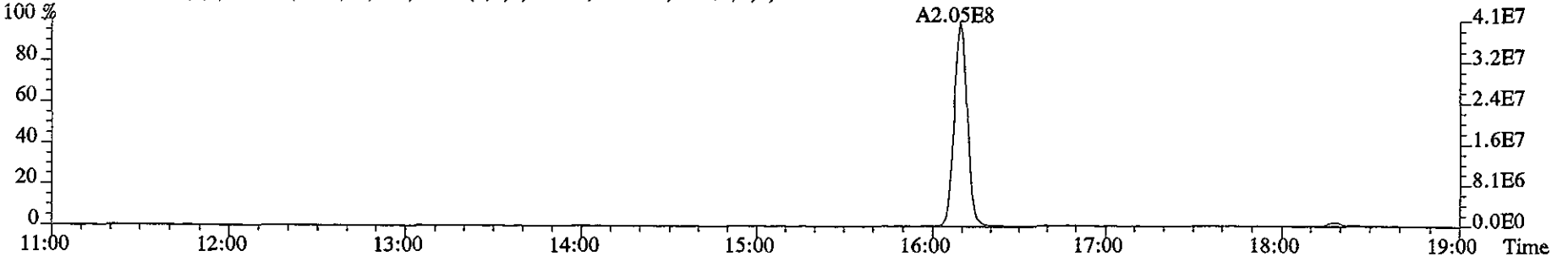
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10844.0,1.00%,F,T)



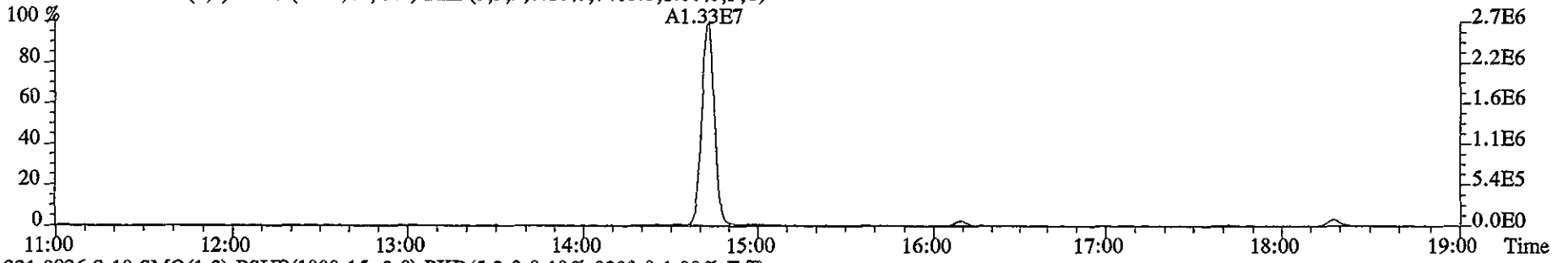
315.9419 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31028.0,1.00%,F,T)



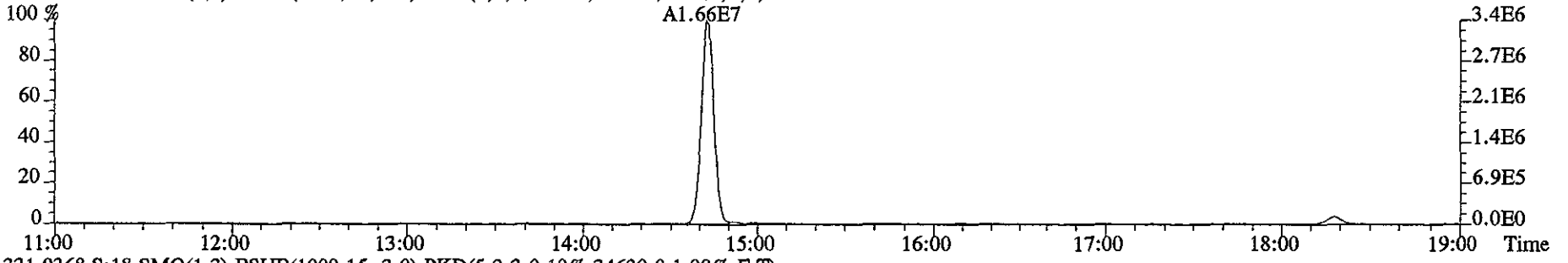
317.9389 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28880.0,1.00%,F,T)



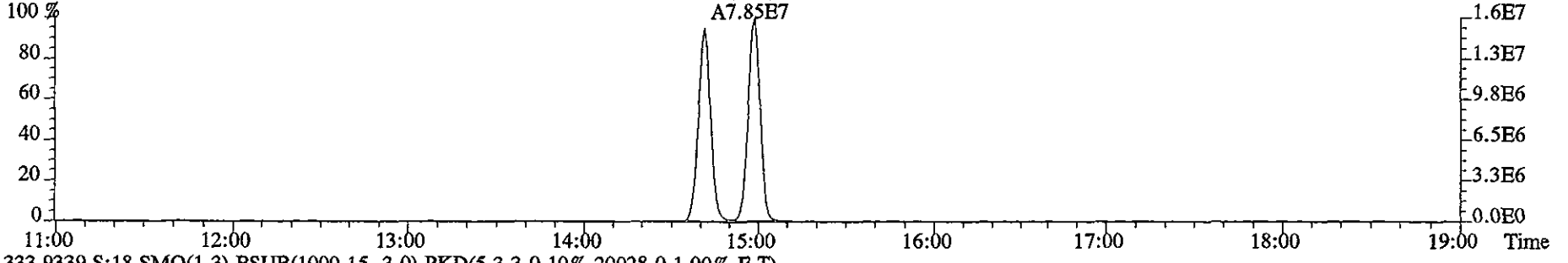
File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 05:05:23 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0914A :CS3 10DXN426 Exp:DB225RES
319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7468.0,1.00%,F,T)



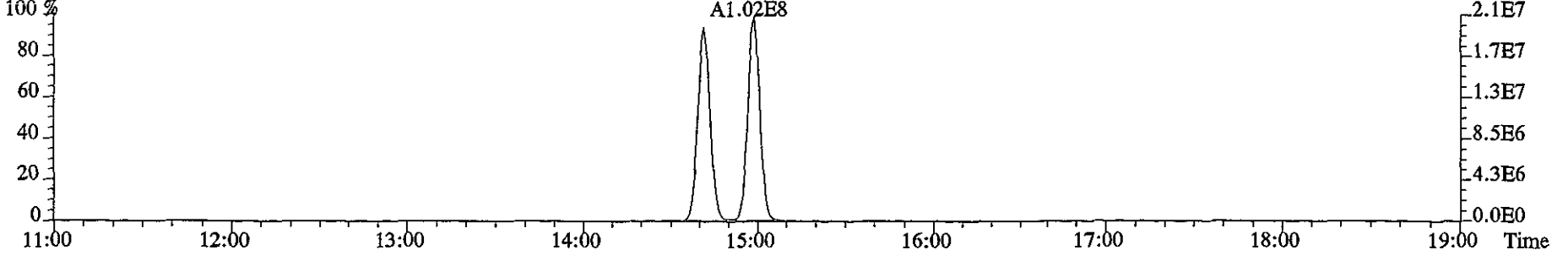
321.8936 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9292.0,1.00%,F,T)



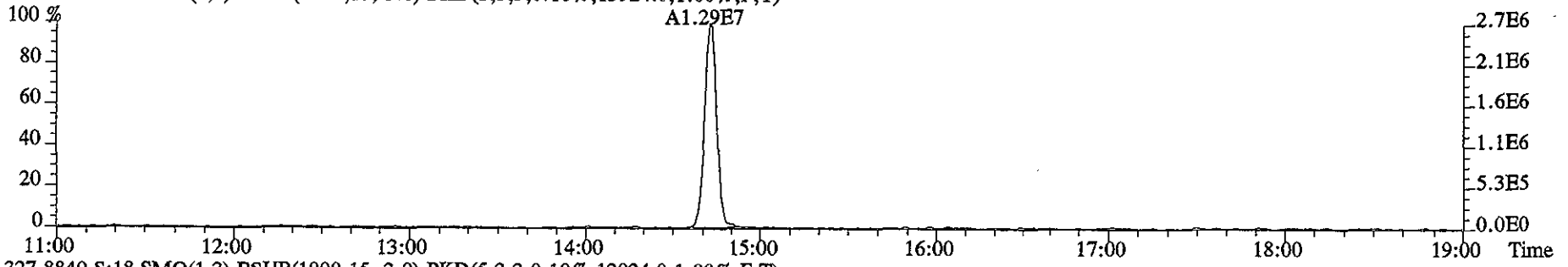
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34620.0,1.00%,F,T)



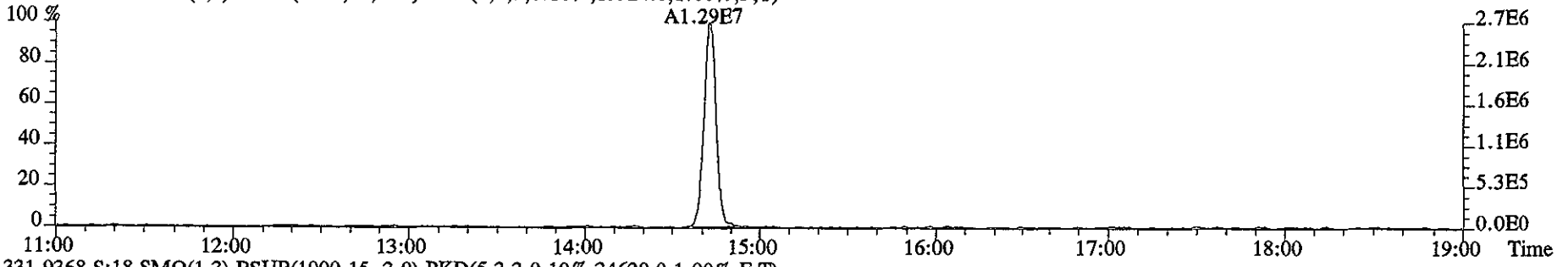
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20028.0,1.00%,F,T)



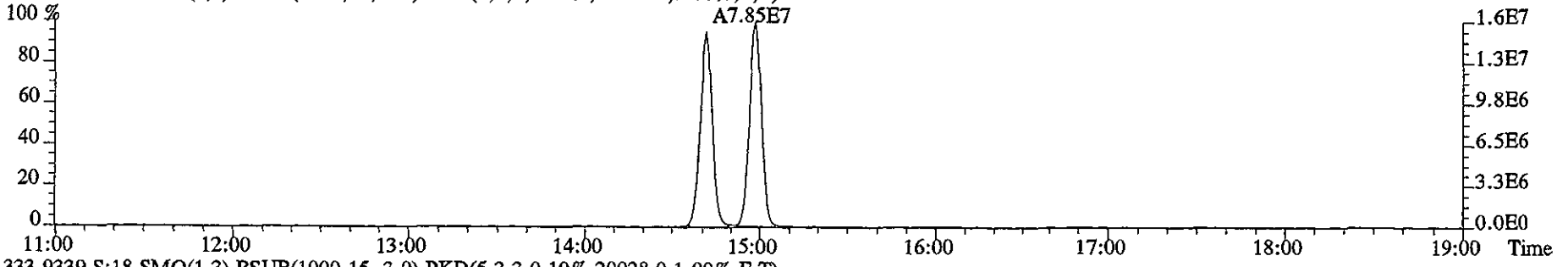
File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 05:05:23 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0914A :CS3 10DXN426 Exp:DB225RES
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13924.0,1.00%,F,T)



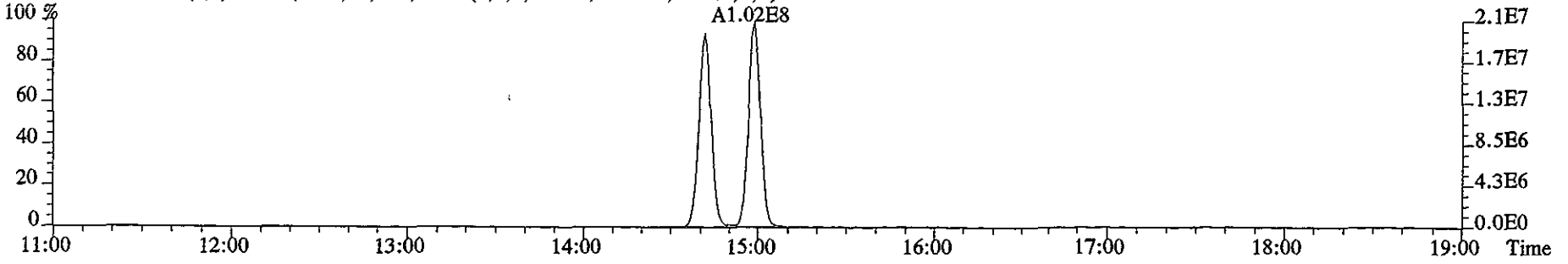
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13924.0,1.00%,F,T)



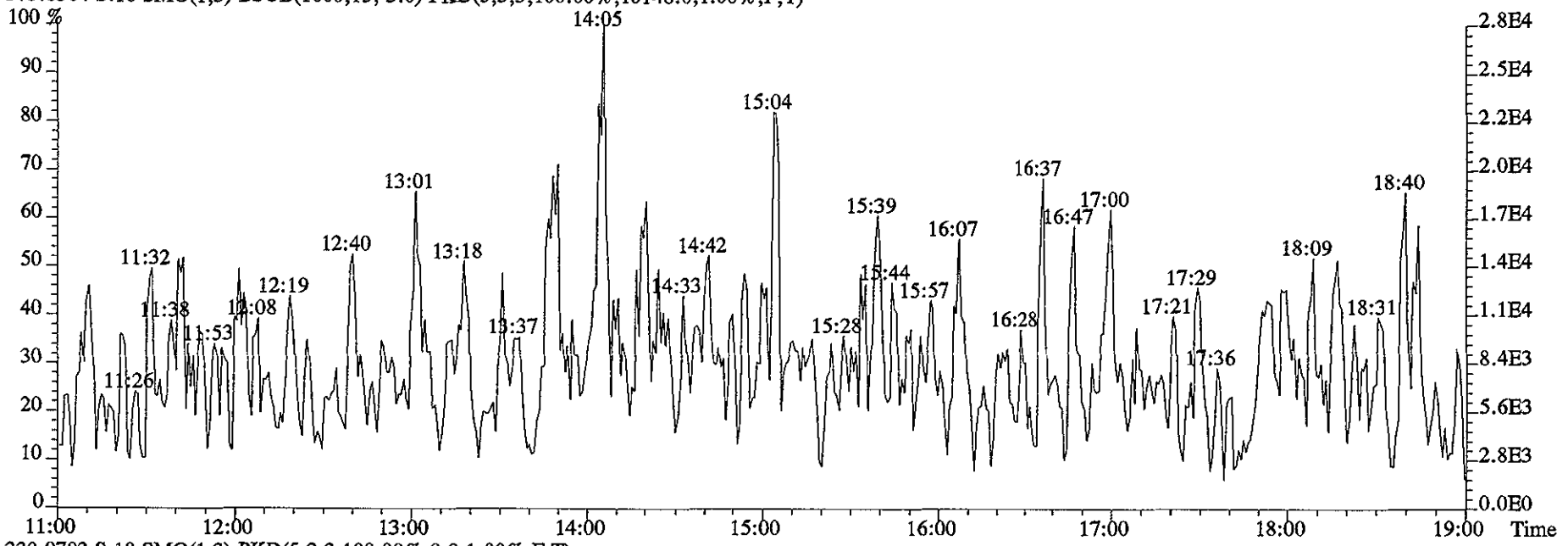
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34620.0,1.00%,F,T)



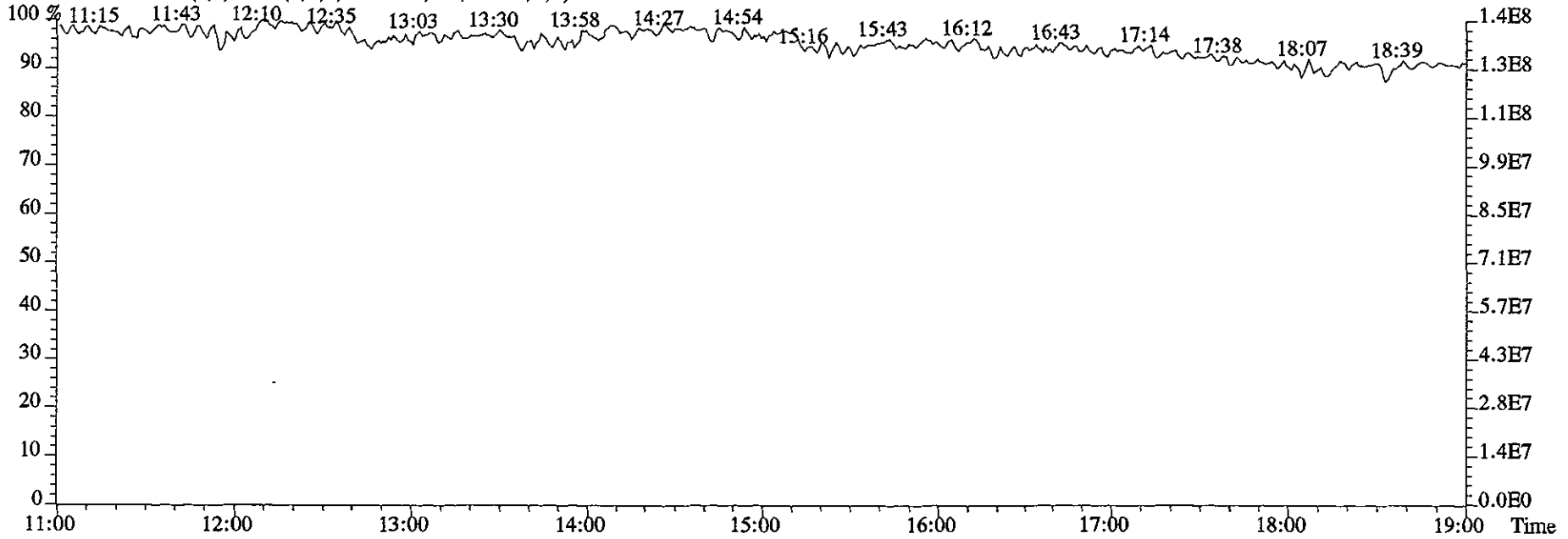
333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20028.0,1.00%,F,T)



File:14SE10C5D2 #1-1241 Acq:15-SEP-2010 05:05:23 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0914A :CS3 10DXN426 Exp:DB225RES
375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,10148.0,1.00%,F,T)



330.9792 S:18 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

Initial Calibration Checklist
Dioxin Methods

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICAL ID 8290,1613,0023A,23,TO9,Tetras 072110 4D5

Method ID 8290,1613,0023A,23,TO9,Tetras 8290A Date Scanned _____

Column ID DB5 Instrument ID 4D5

STD ID's STO721A → STO721E STD Solution (10DxN) 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

ANALYSIS CRITERIA	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

*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	21JL10A4D5	21JL10A4D5	21JL10A4D5	21JL10A4D5
				S4	S5	S6	S7	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

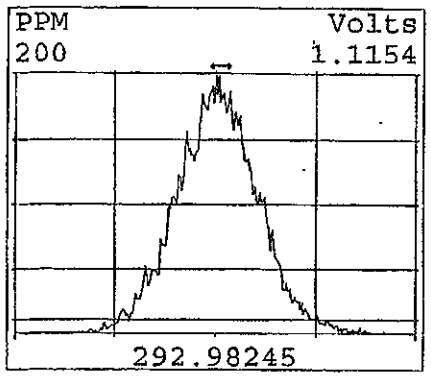
Run #4 Filename 21JL10A4D5 S: 7 I: 1
Acquired: 21-JUL-10 19:03:58 Processed: 22-JUL-10 12:01:12
Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
Comments:
Sample text: ST0721D :CS-5 10DXN339

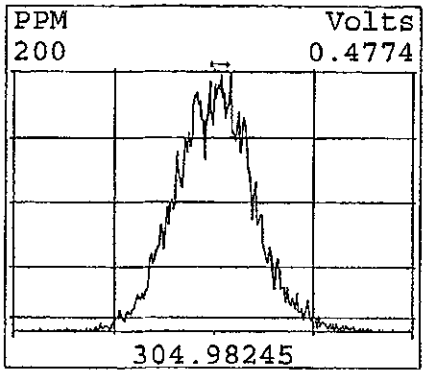
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	350659000	0.80	y	20:02	-	100.00	n
13C-2,3,7,8-TCDF	360772000	0.79	y	19:24	1.0288	100.00	n
2,3,7,8-TCDF	697458000	0.77	y	19:25	0.9666	200.00	n
Total TCDF	-	-	n	-	0.9666	200.00	n
13C-2,3,7,8-TCDD	309835000	0.78	y	20:14	0.8836	100.00	n
2,3,7,8-TCDD	626791000	0.79	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

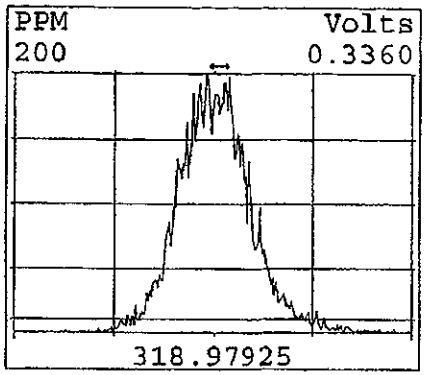
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21JL10A4D5	1	CP0721	DB-5 CPSM 3732-08				1.00000	
21JL10A4D5	2	SB0721	Solvent Blank C-14				1.00000	
21JL10A4D5	3	ST0721	CS-0.2 10DXN333 (Not used) sensitivity ✓ only				1.00000	
21JL10A4D5	4	ST0721A	CS-1 10DXN342				1.00000	
21JL10A4D5	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	

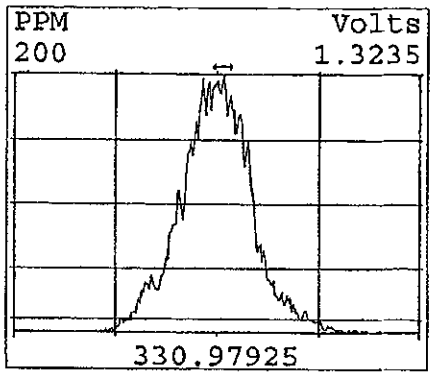
log file ✓'d
NE 7/22/10

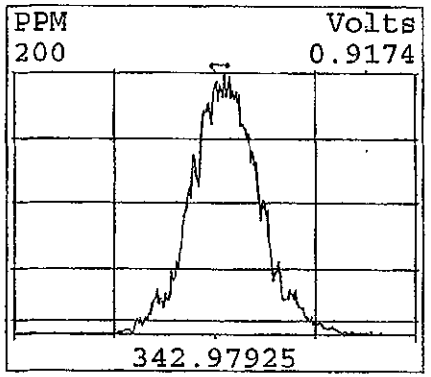
Peak Locate Examination:21-JUL-2010:14:30 File:21JL10A4D5
Experiment:DIOXINRES Function:1 Reference:PFK

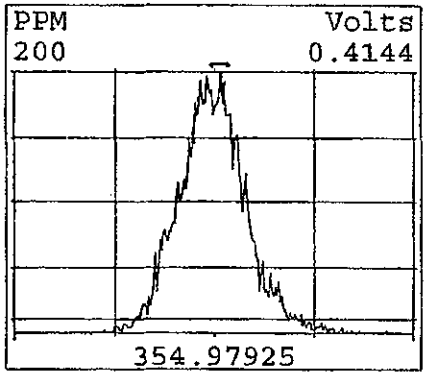


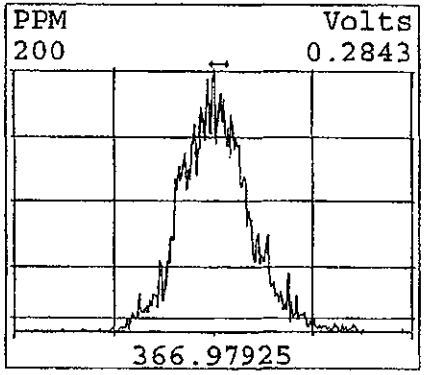


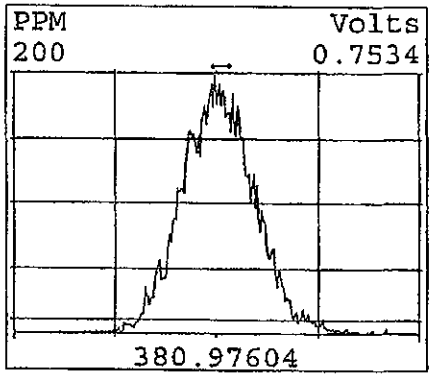


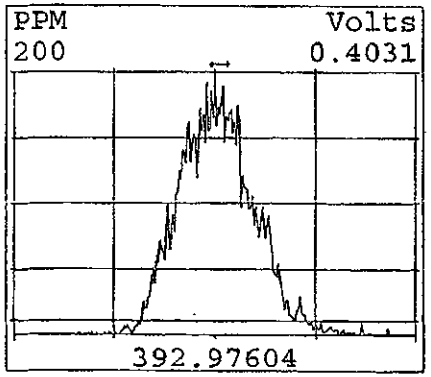


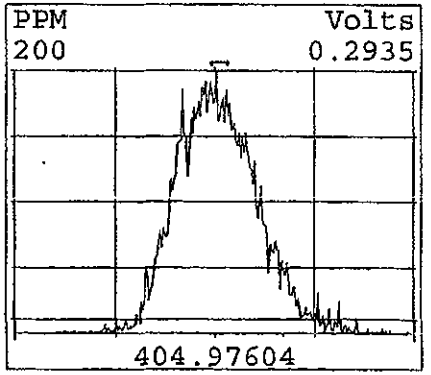


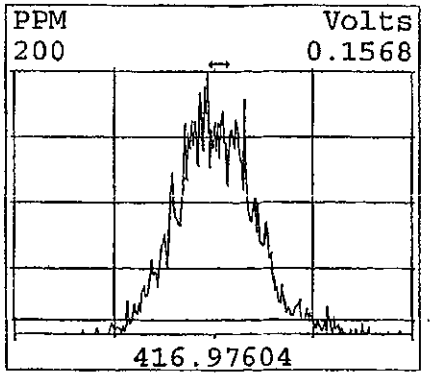




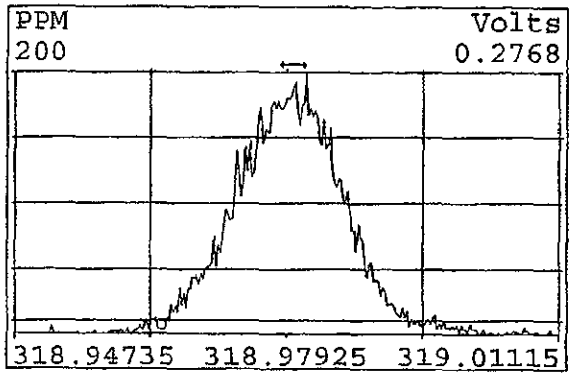


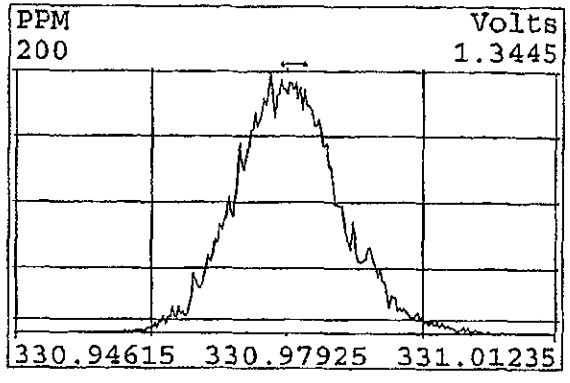


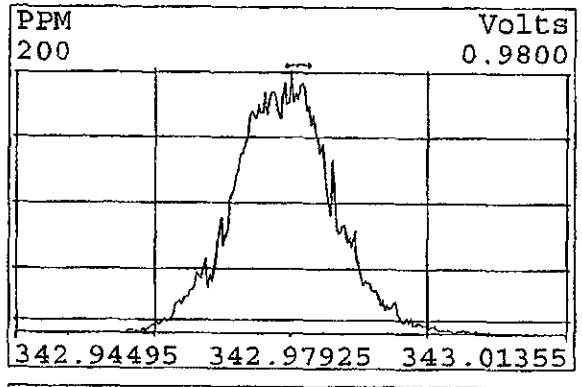


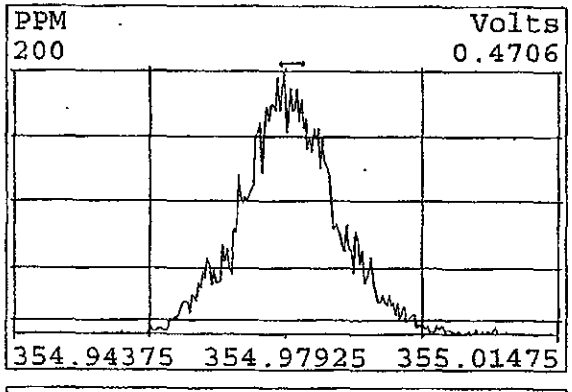


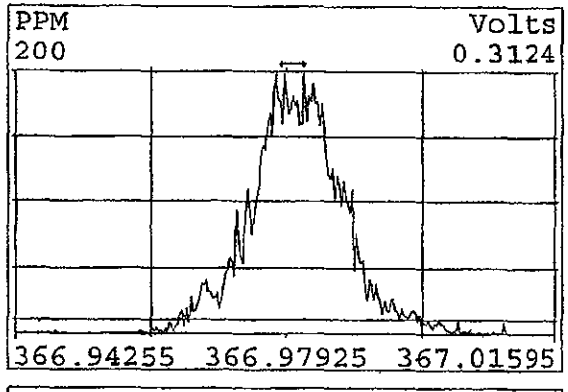
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:2 Reference:PFK

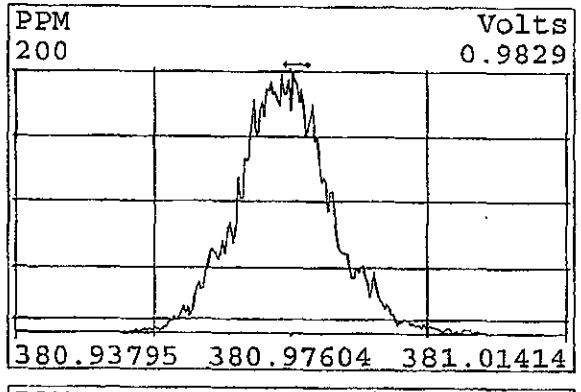


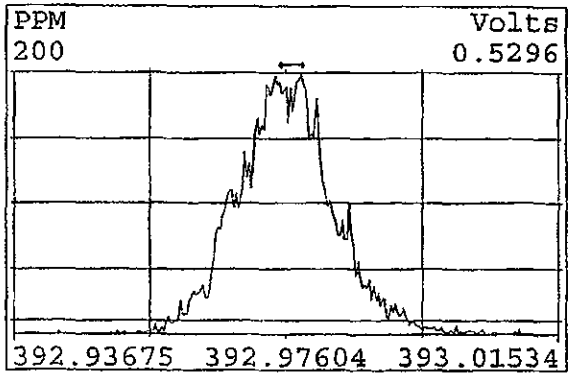


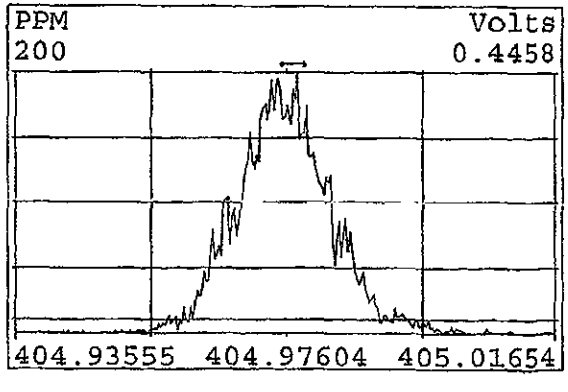


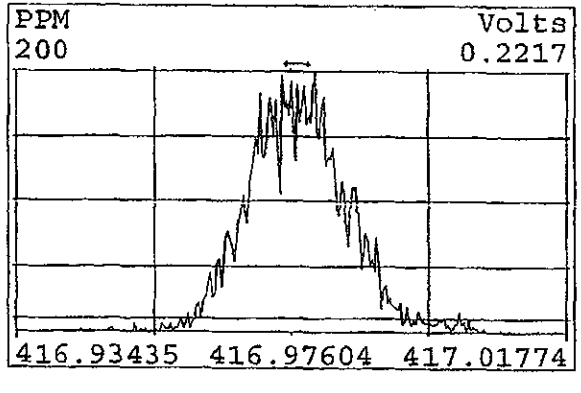




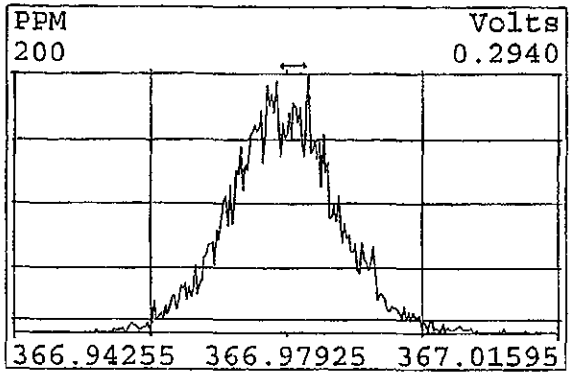


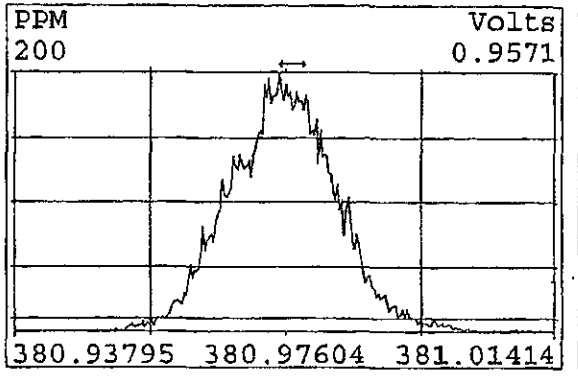


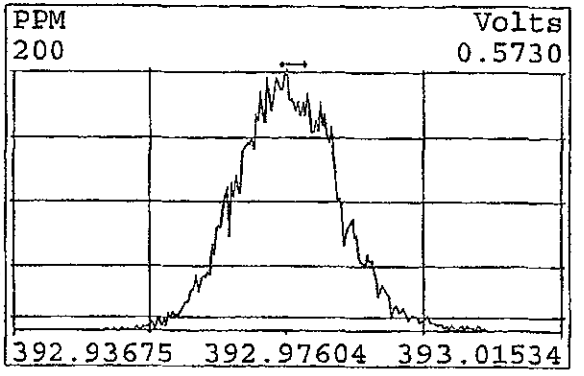


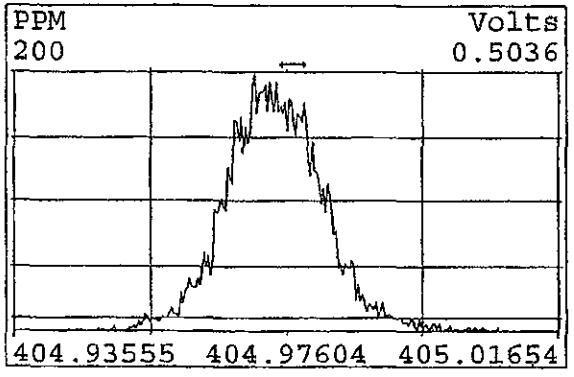


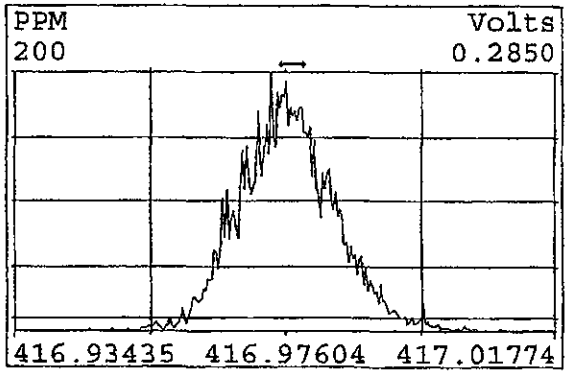
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:3 Reference:PFK

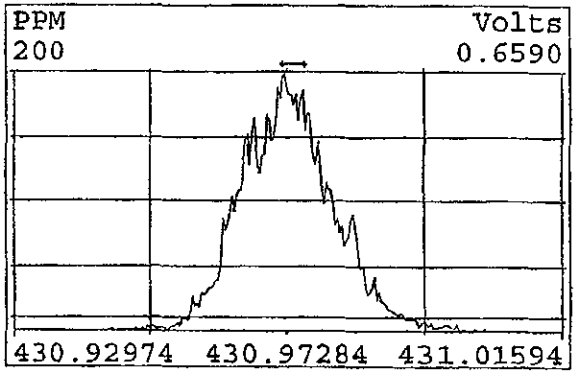


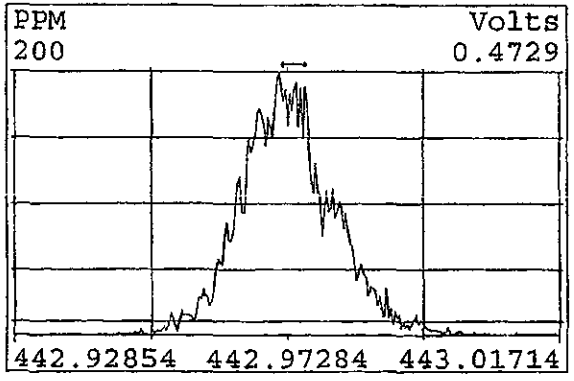


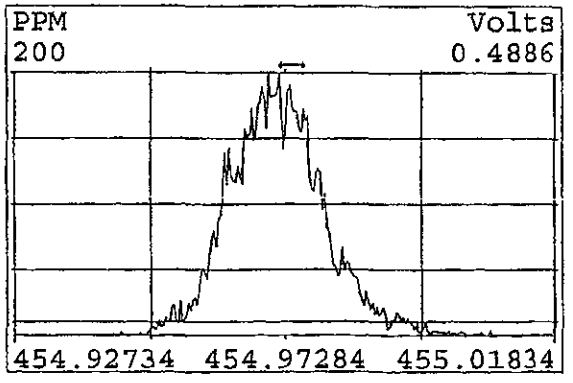




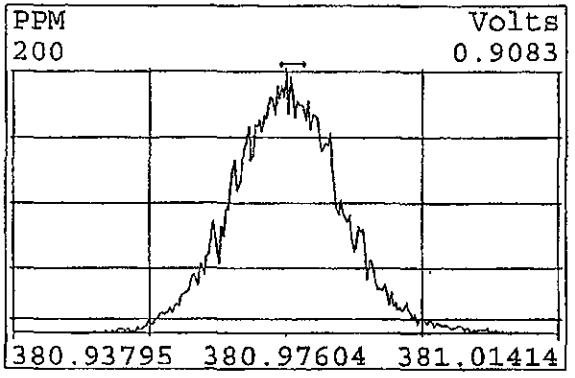


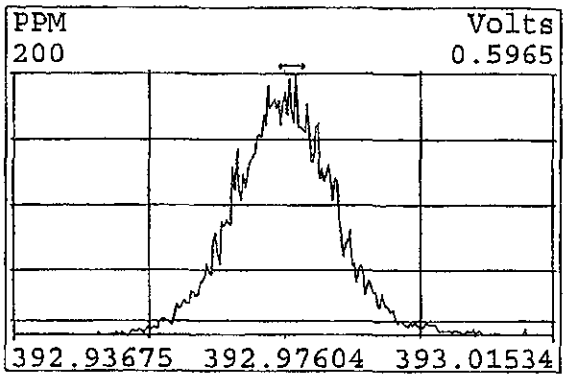


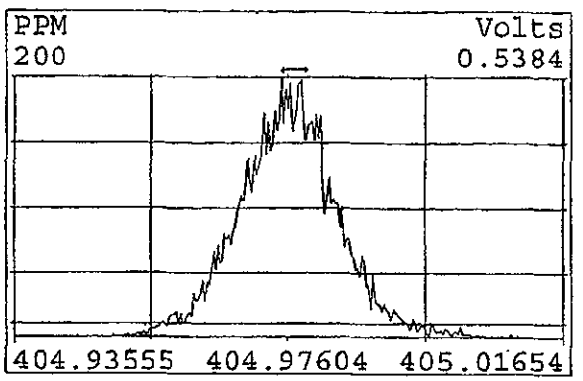


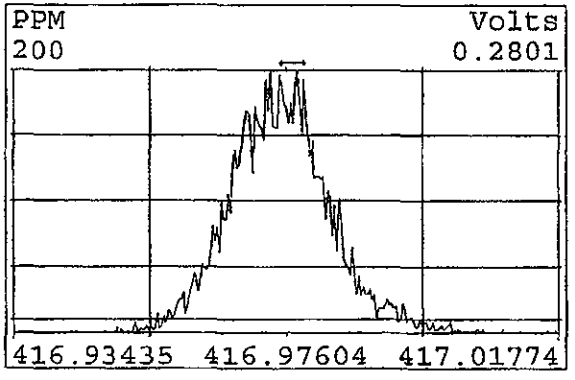


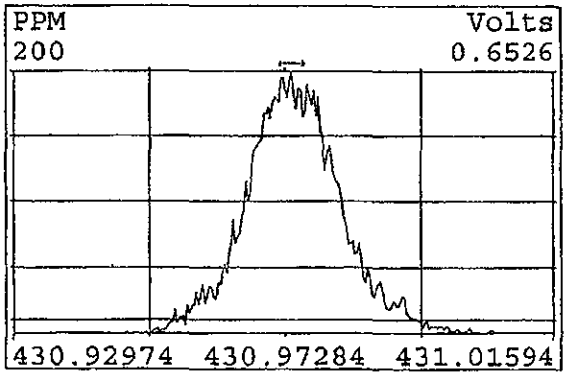
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:4 Reference:PFK

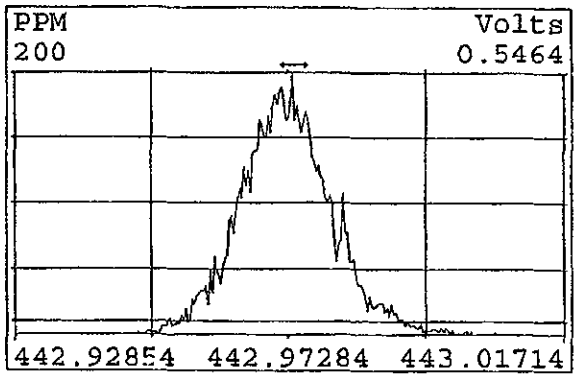


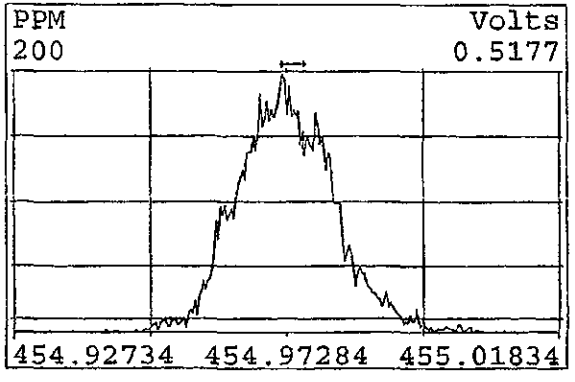


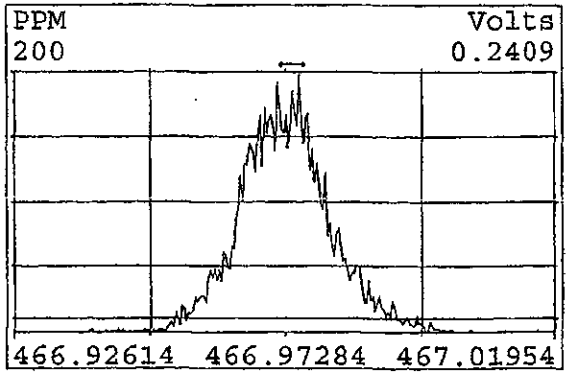


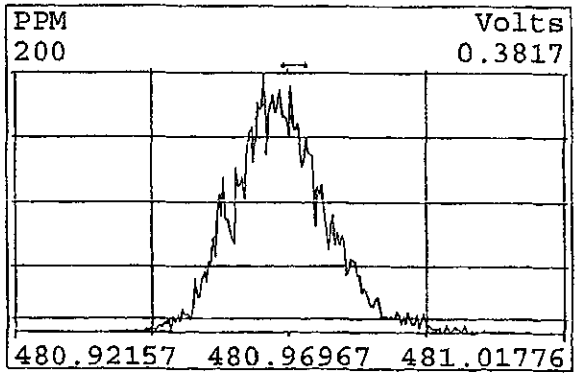




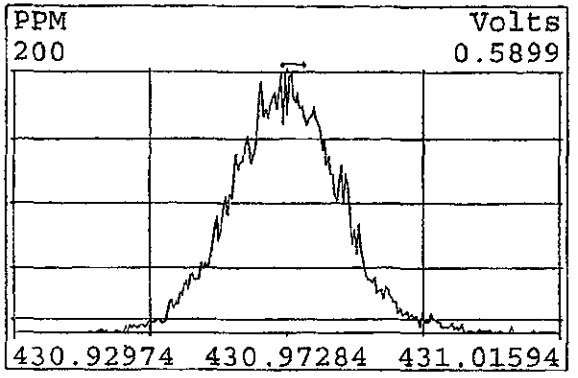


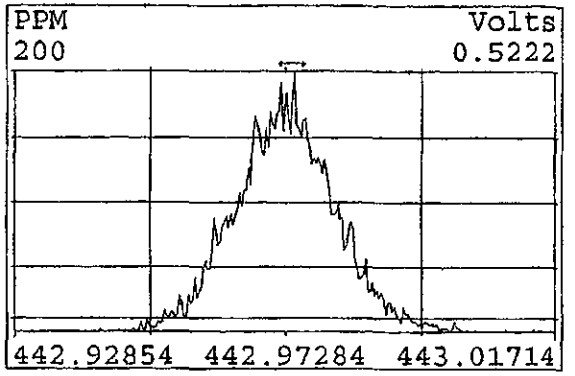


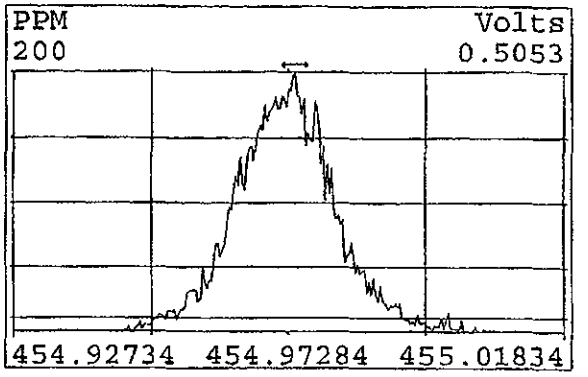


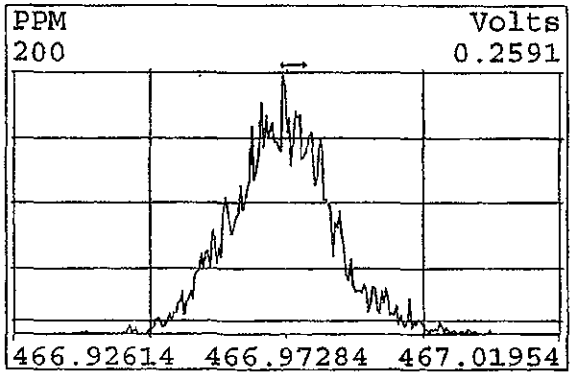


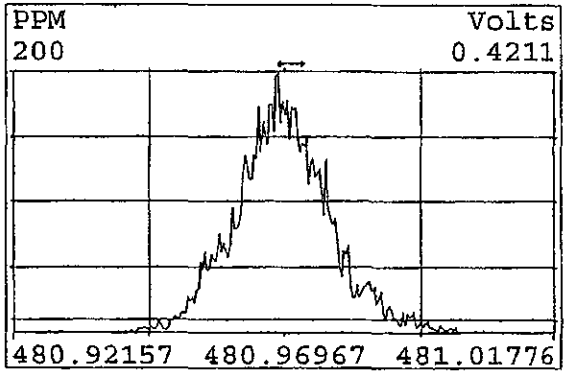
Peak Locate Examination:21-JUL-2010:14:31 File:21JL10A4D5
Experiment:DIOXINRES Function:5 Reference:PFK

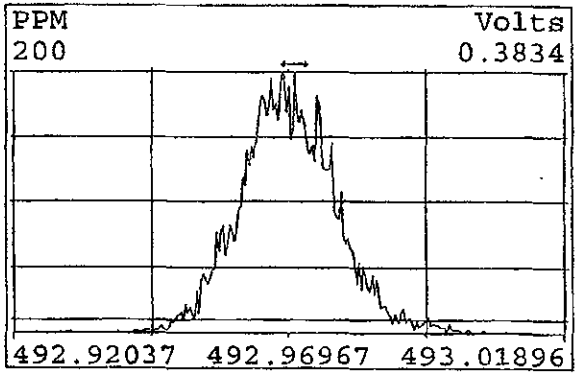


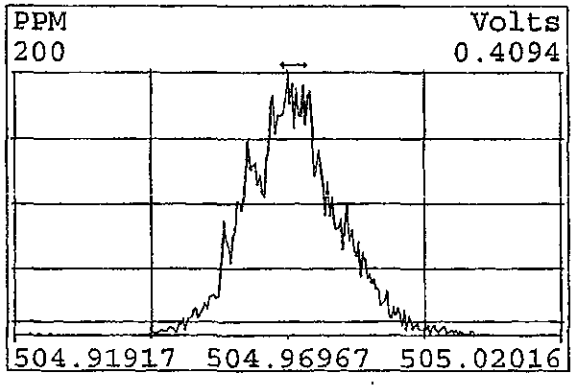


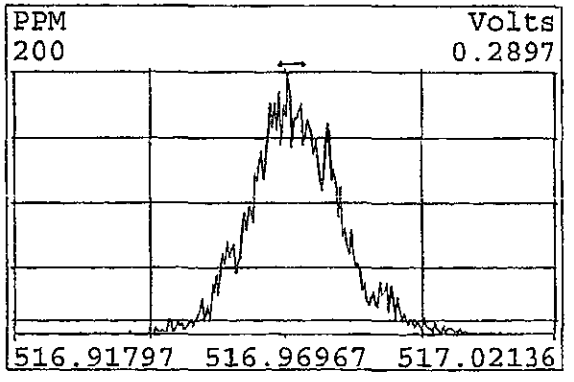




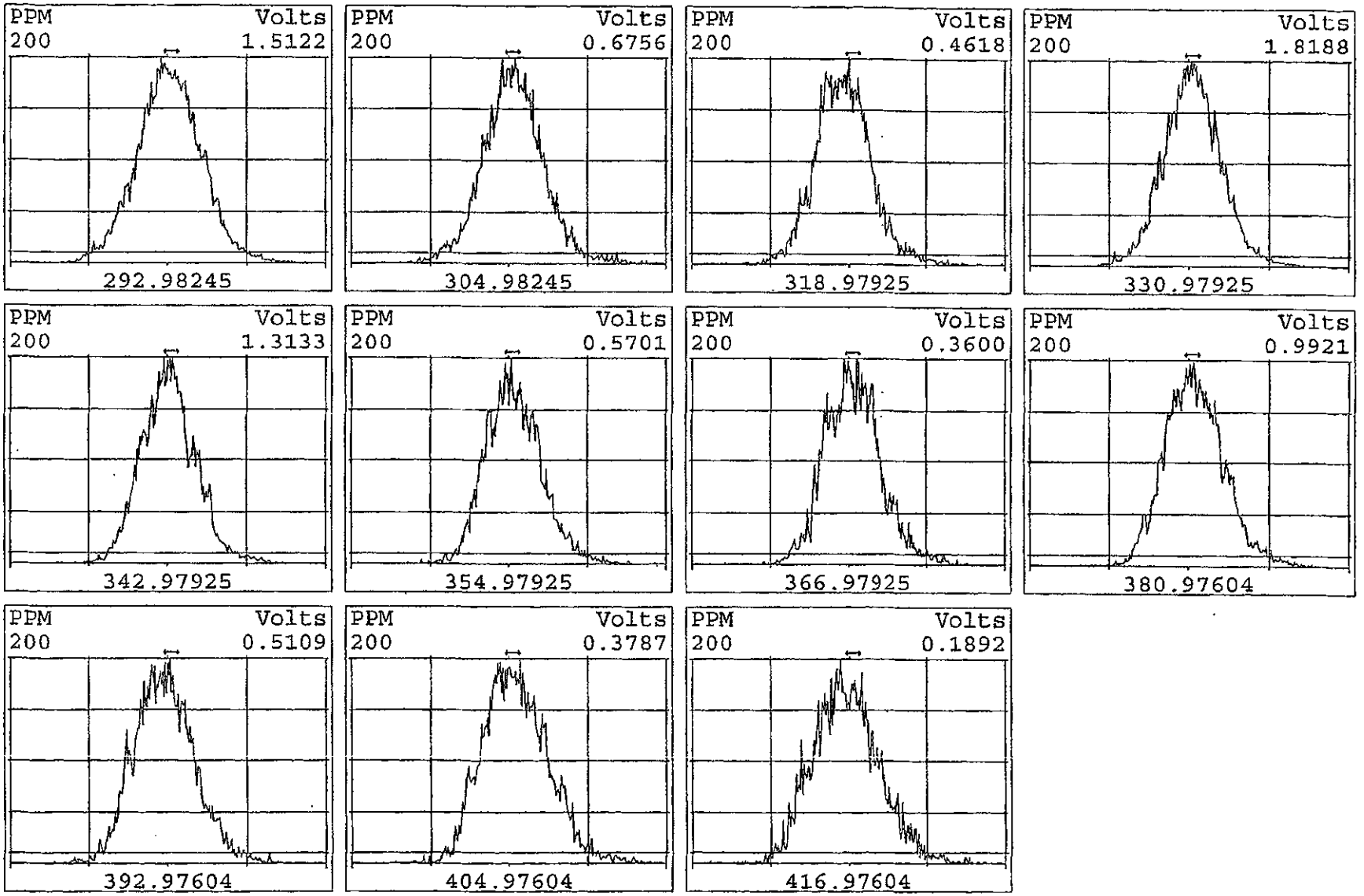




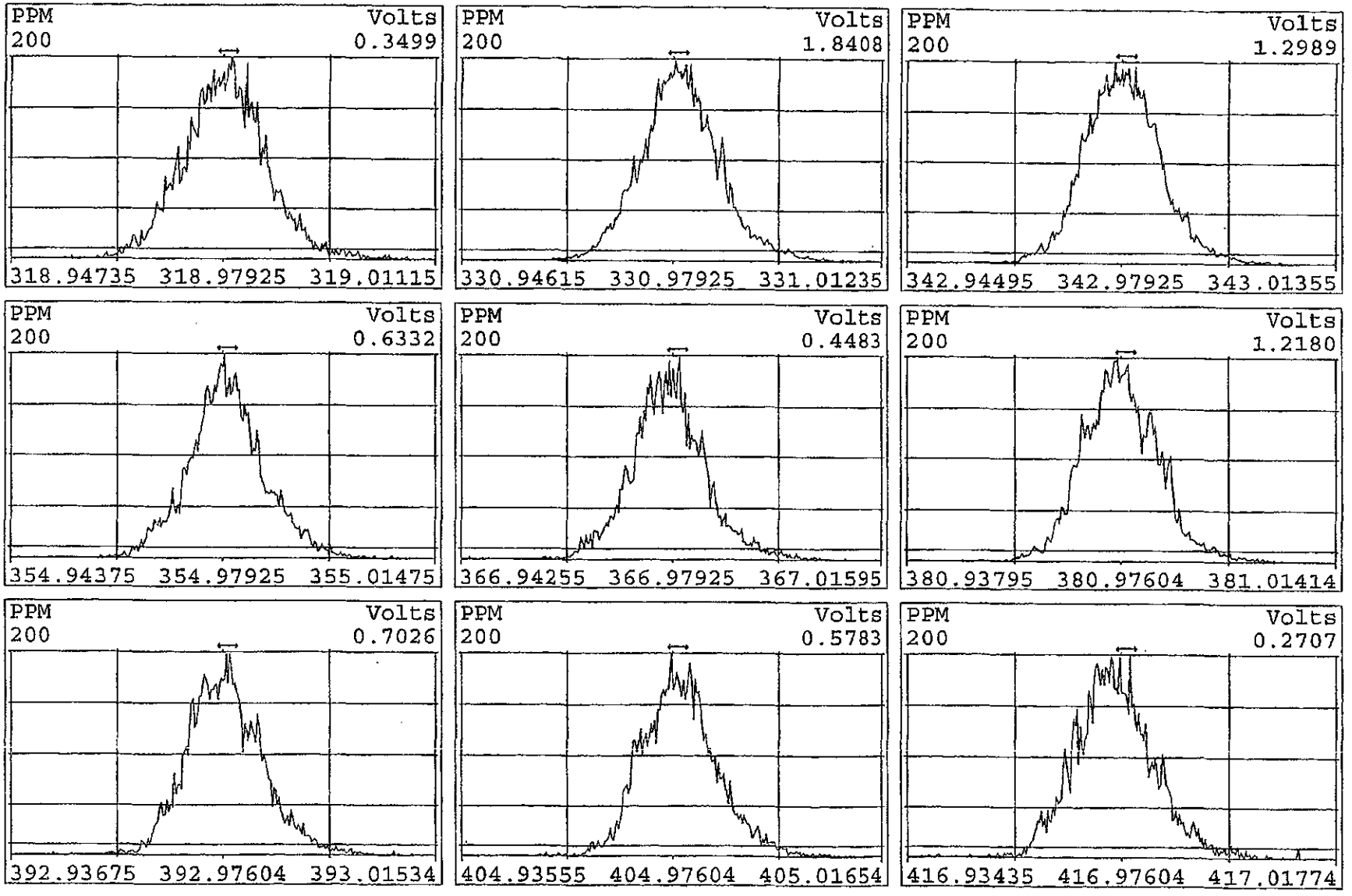




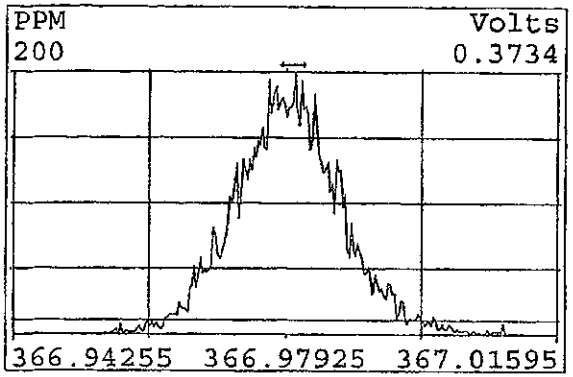
Peak Locate Examination:21-JUL-2010:21:39 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:1 Reference:PFK

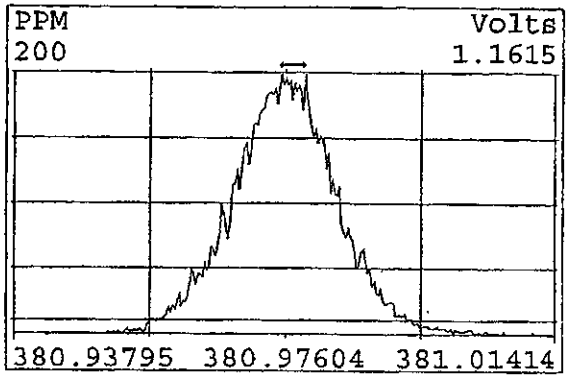


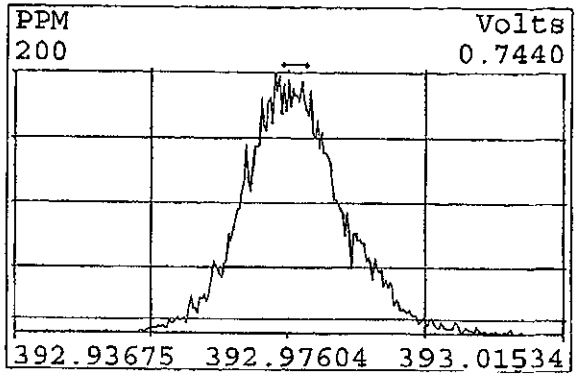
Peak Locate Examination:21-JUL-2010:21:40 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:2 Reference:PFK

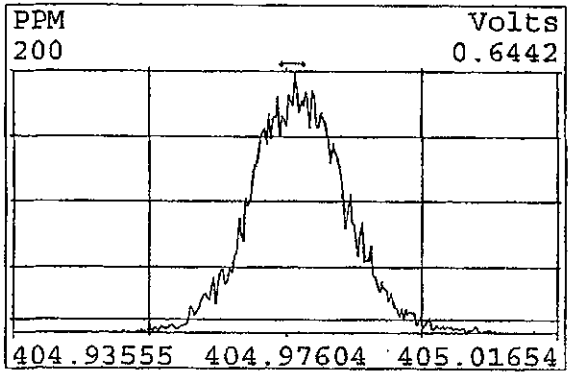


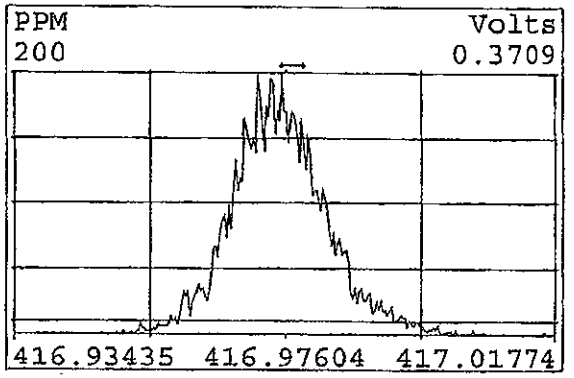
Peak Locate Examination:21-JUL-2010:21:40 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:3 Reference:PFK

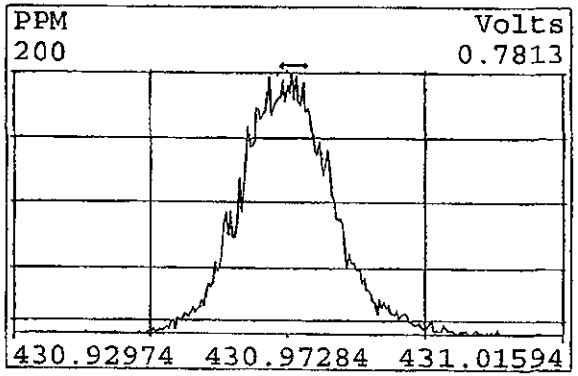


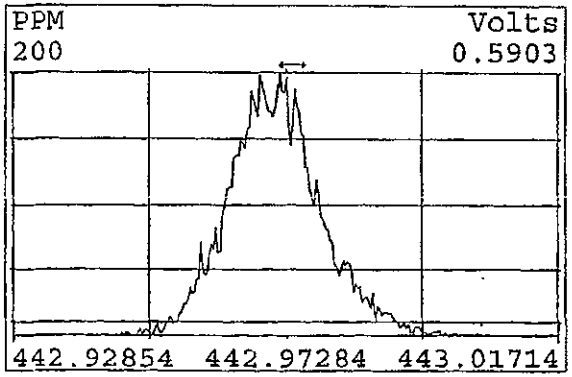


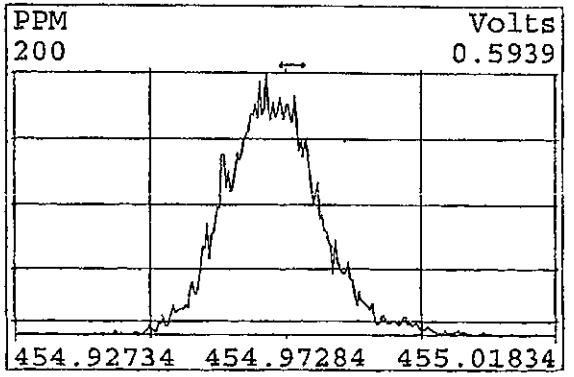




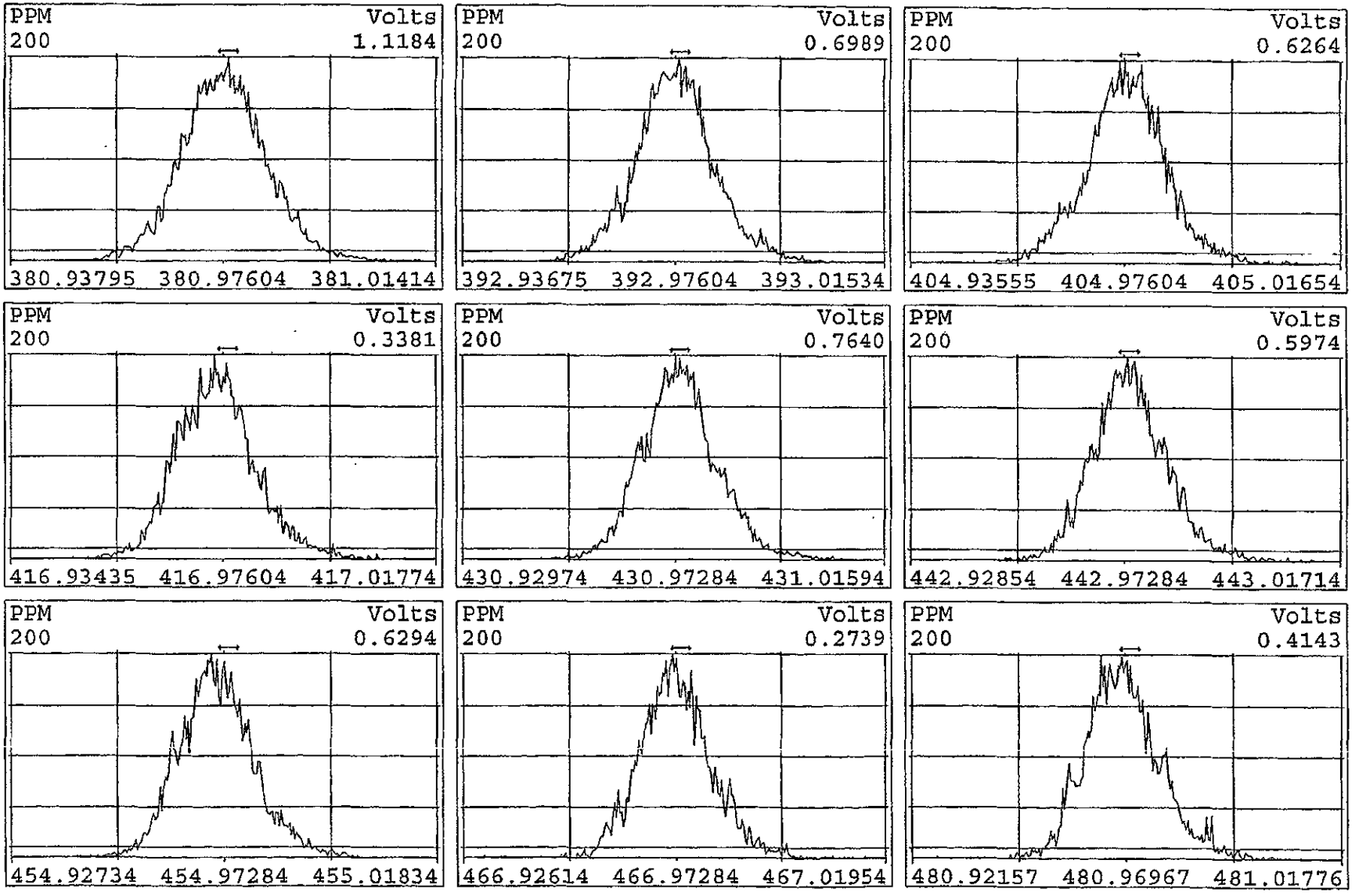




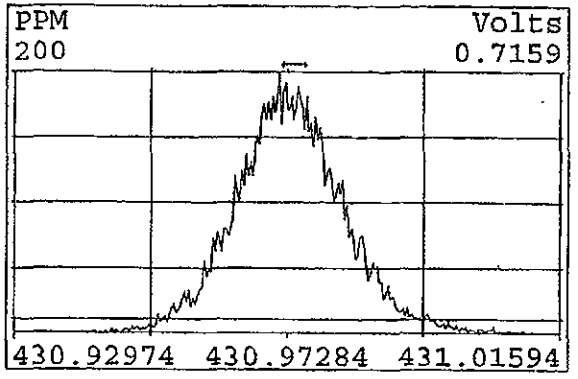


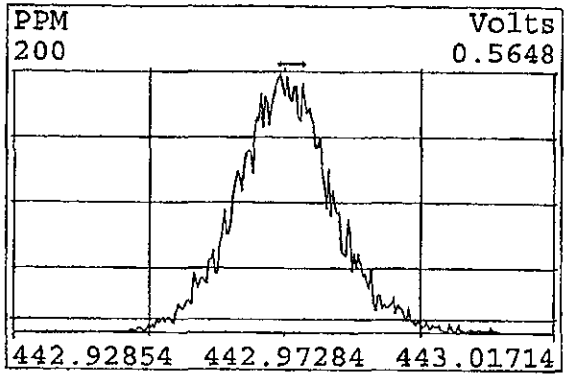


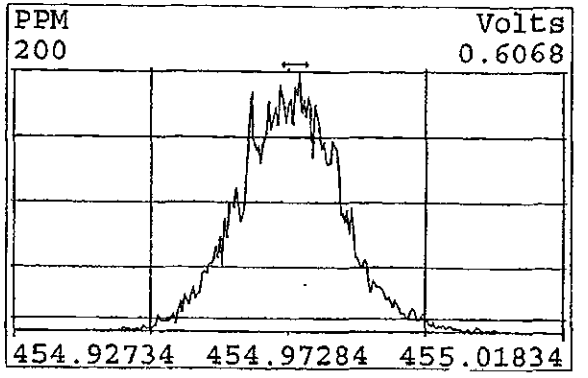
Peak Locate Examination:21-JUL-2010:21:41 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:4 Reference:PFK

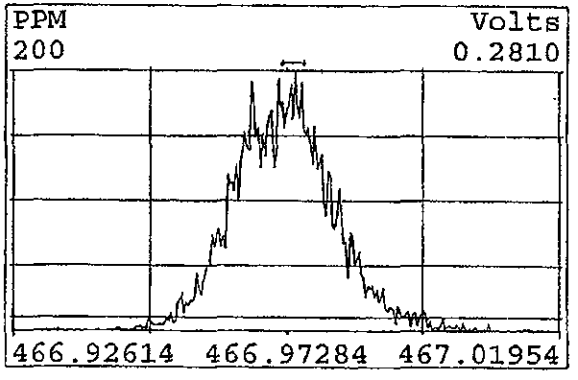


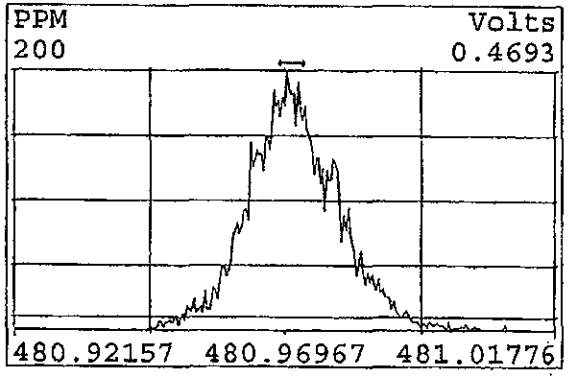
Peak Locate Examination:21-JUL-2010:21:44 File:RESCHK21JL10A4D5
Experiment:DIOXINRES Function:5 Reference:PFK

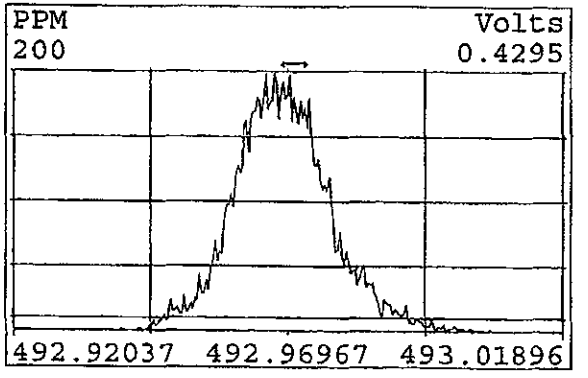


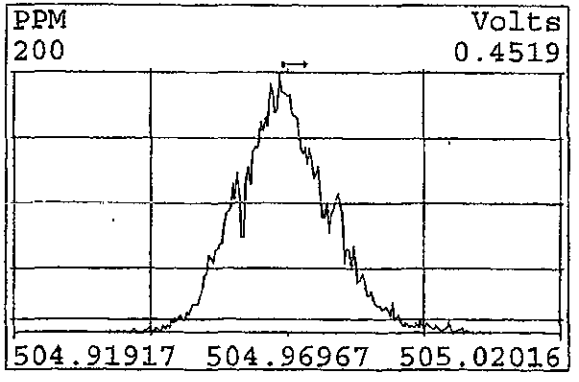


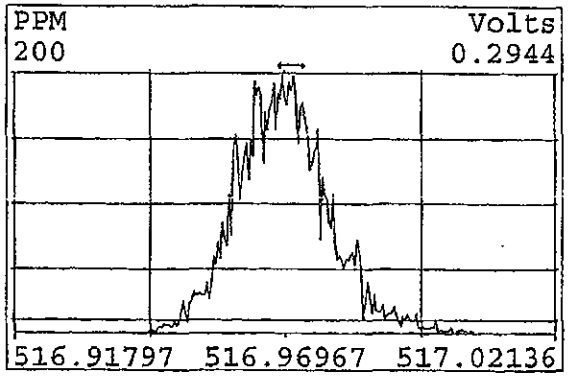




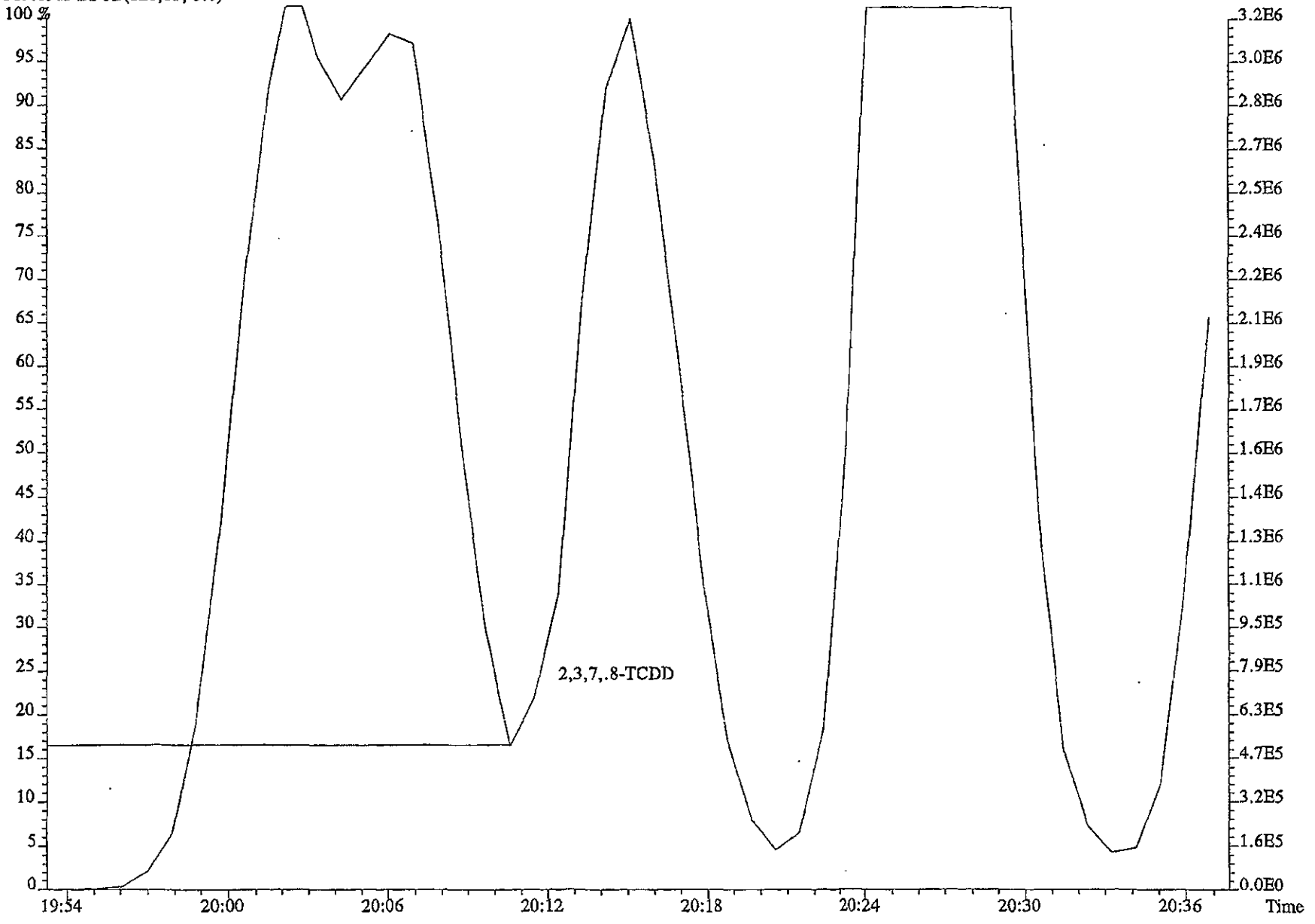








File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Exp:DIOXINRES
319.8965 BSUB(128,15,-3.0)



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 Spiked @ 200/500/1000
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

7/22/10

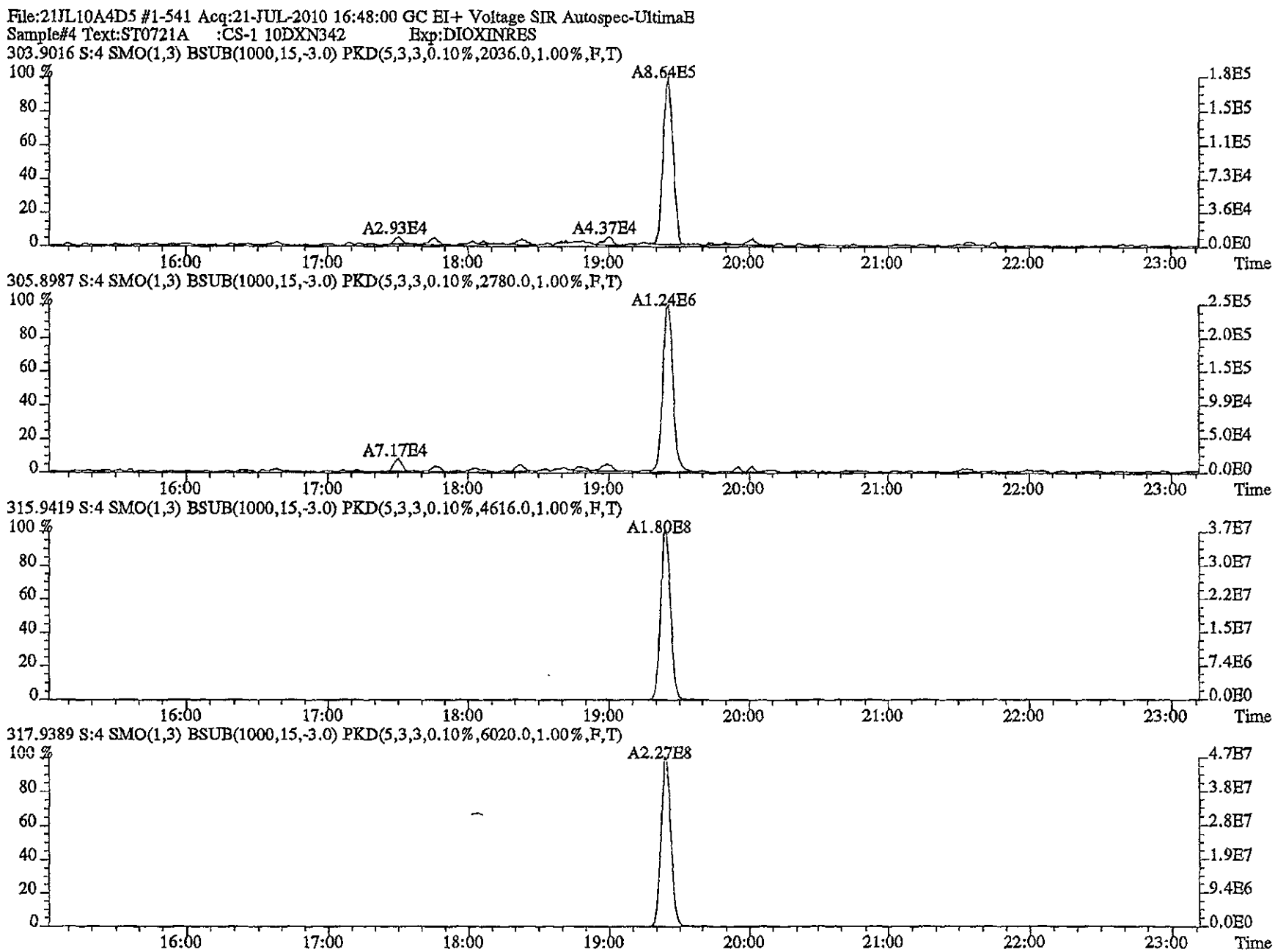
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	307629000	0.78	y	20:01	-	92.11		-	-	n
13C-2,3,7,8-TCDF	413901000	0.78	y	19:24	1.23	2188.90		0.92	109.4	n
2,3,7,8-TCDF	38830800	0.76	y	19:25	0.99	188.67	94.3%	0.48	-	n
Total TCDF	39472107	1.33	n	17:31	0.99	191.78		0.48	-	n
13C-2,3,7,8-TCDD	294375000	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

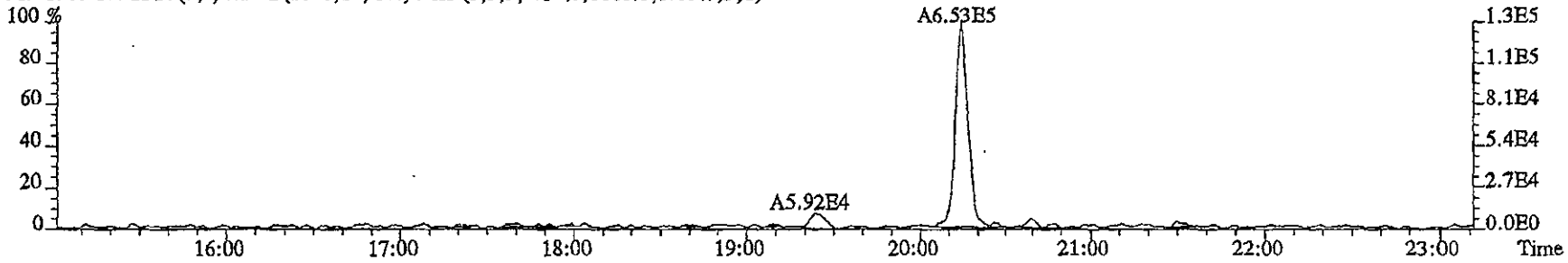
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	307629000	0.78	y	20:01	-	92.11	-	-	n
13C-2,3,7,8-TCDF	413901000	0.78	y	19:24	1.23	2188.90	0.92	109.4	n
2,3,7,8-TCDF	38830800	0.76	y	19:25	0.99	188.67	0.48	-	n
Total TCDF	39472107	1.33	n	17:31	0.99	191.78	0.48	-	n
13C-2,3,7,8-TCDD	294375000	0.78	y	20:13	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



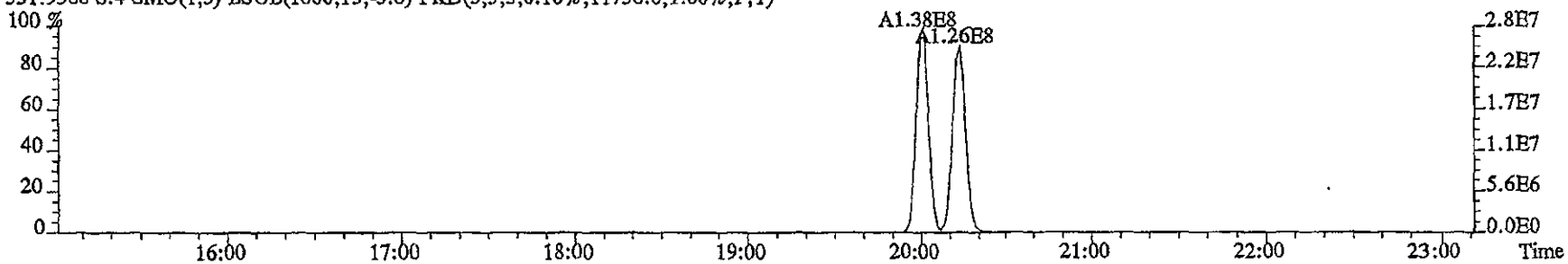
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES

319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1868.0,1.00%,F,T)

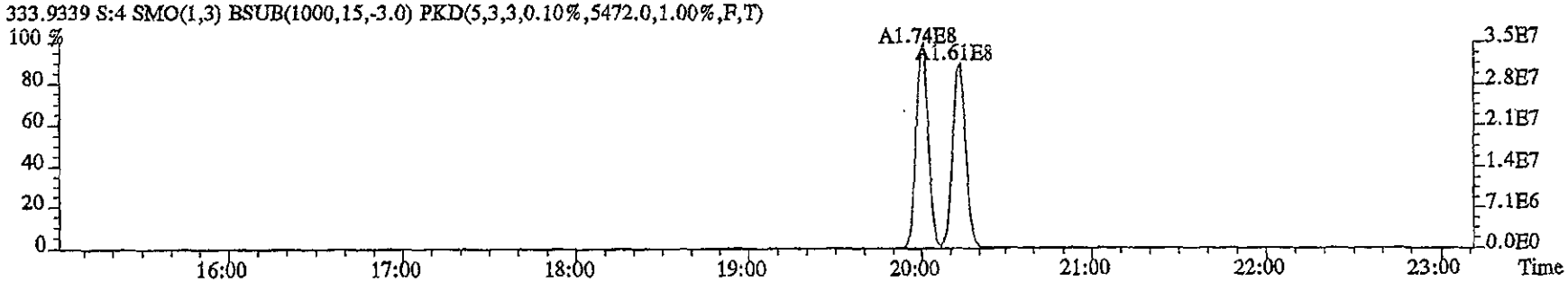


321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2272.0,1.00%,F,T)

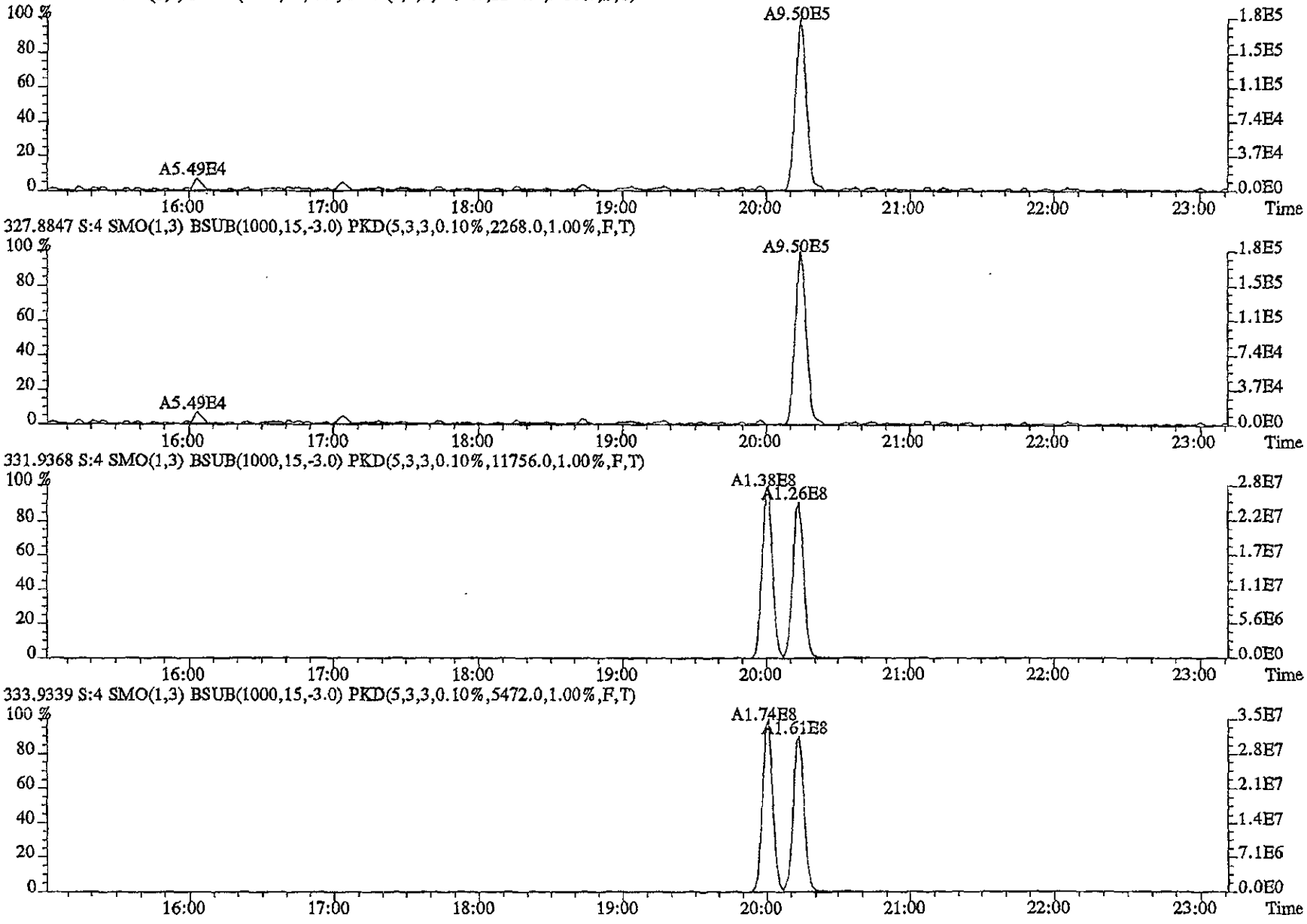
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11756.0,1.00%,F,T)



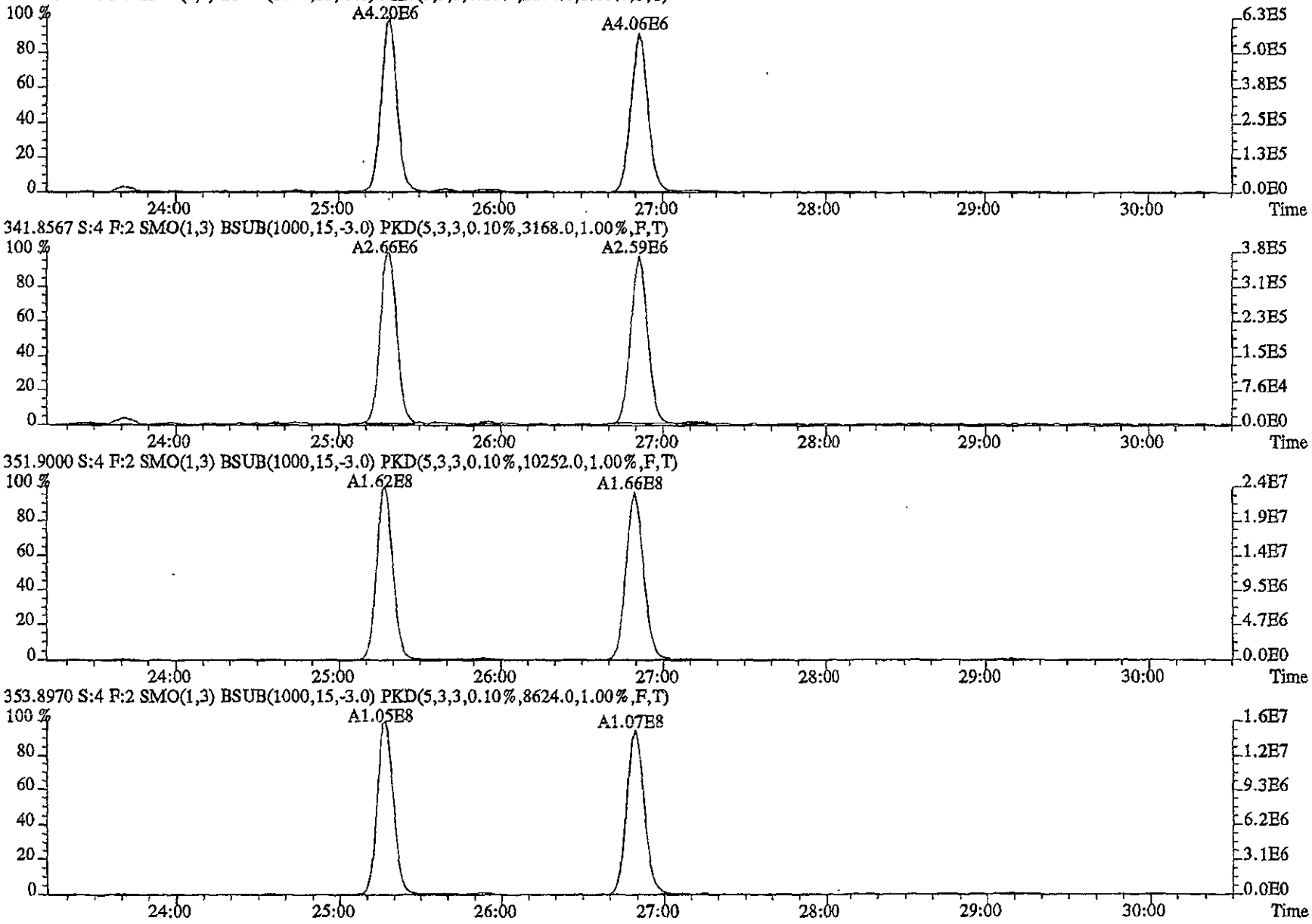
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5472.0,1.00%,F,T)



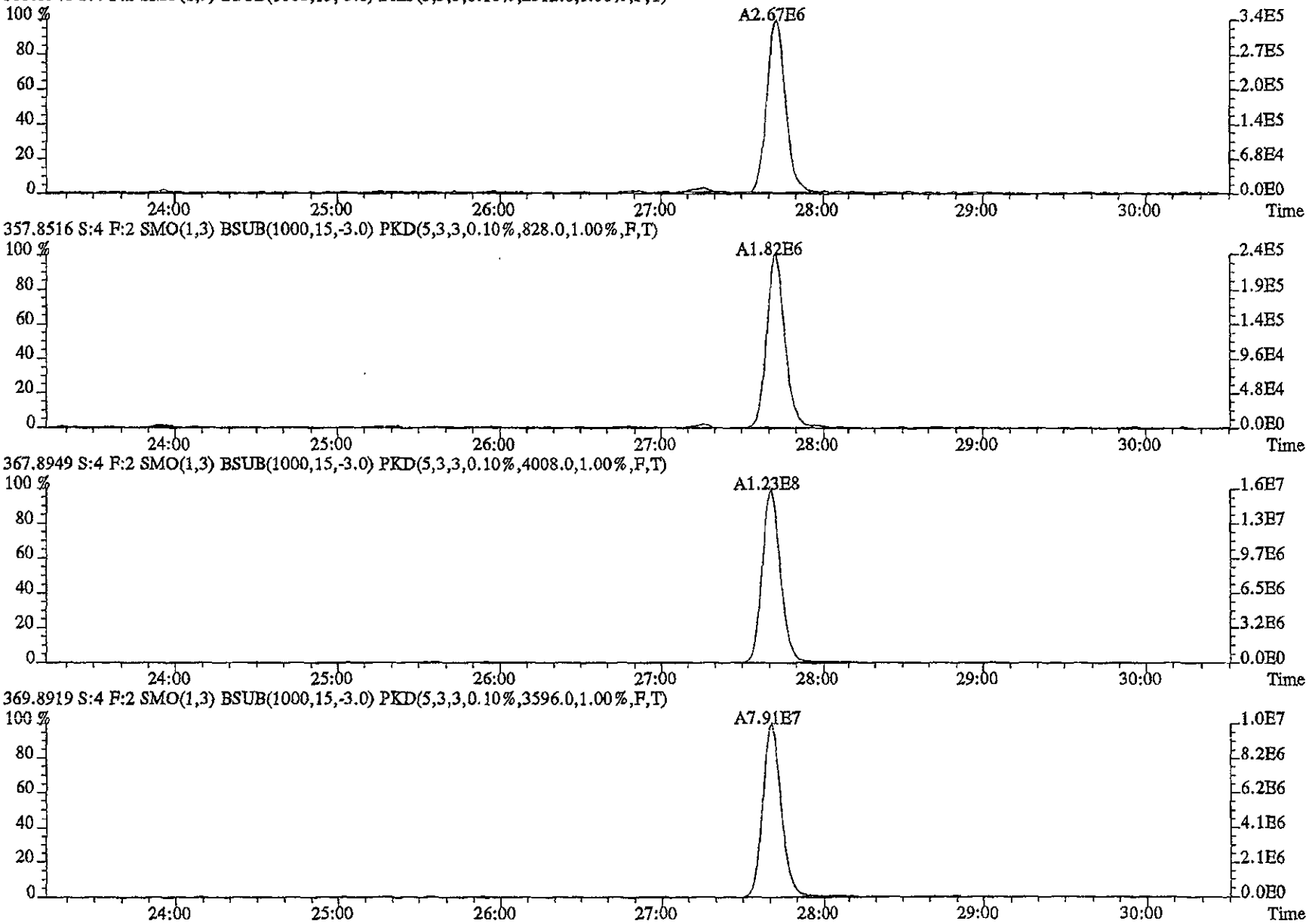
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



File:21JL10A4D5 #1-469 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES

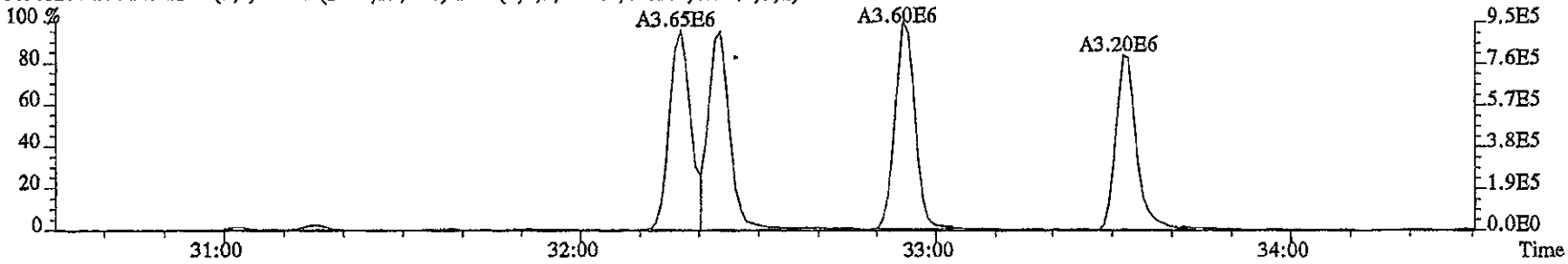


File:21JL10A4D5 #1-469 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES

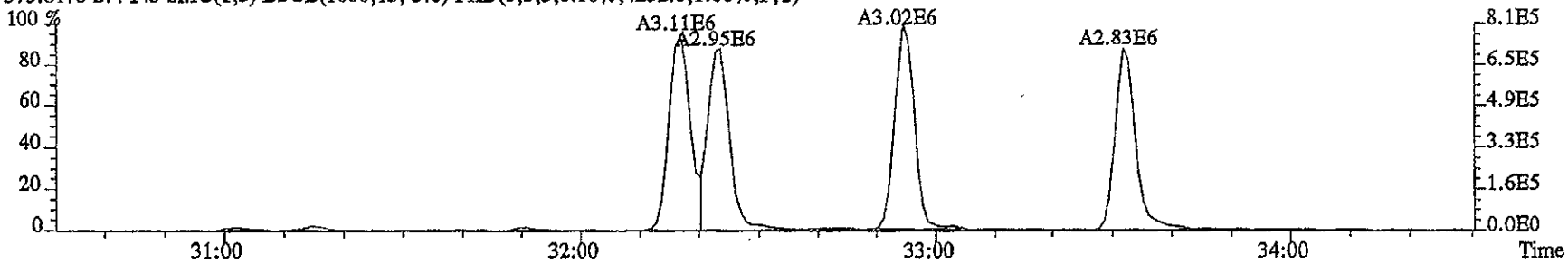


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES

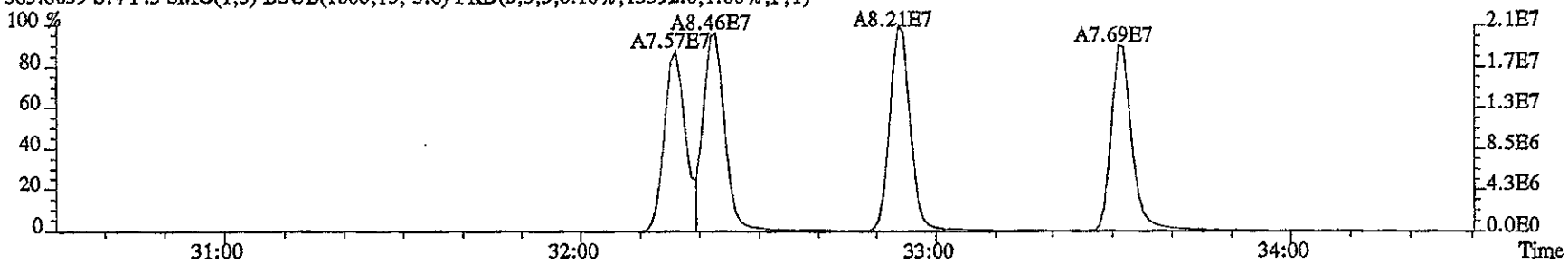
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4472.0,1.00%,F,T)



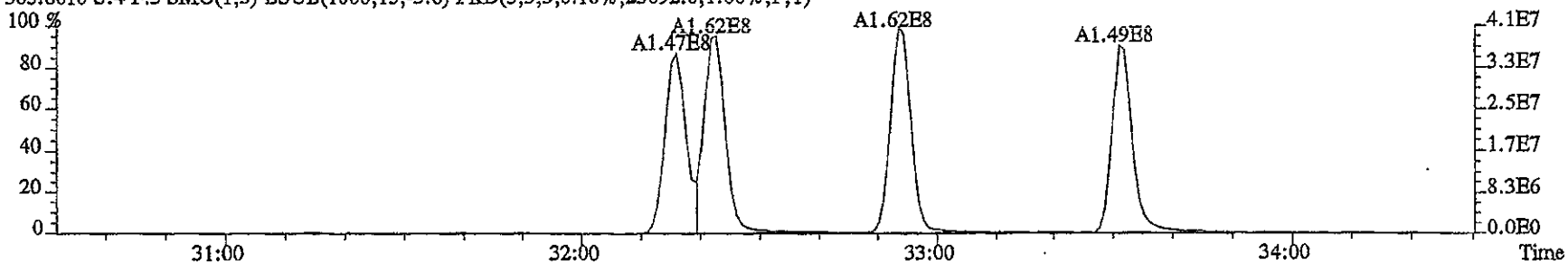
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4232.0,1.00%,F,T)



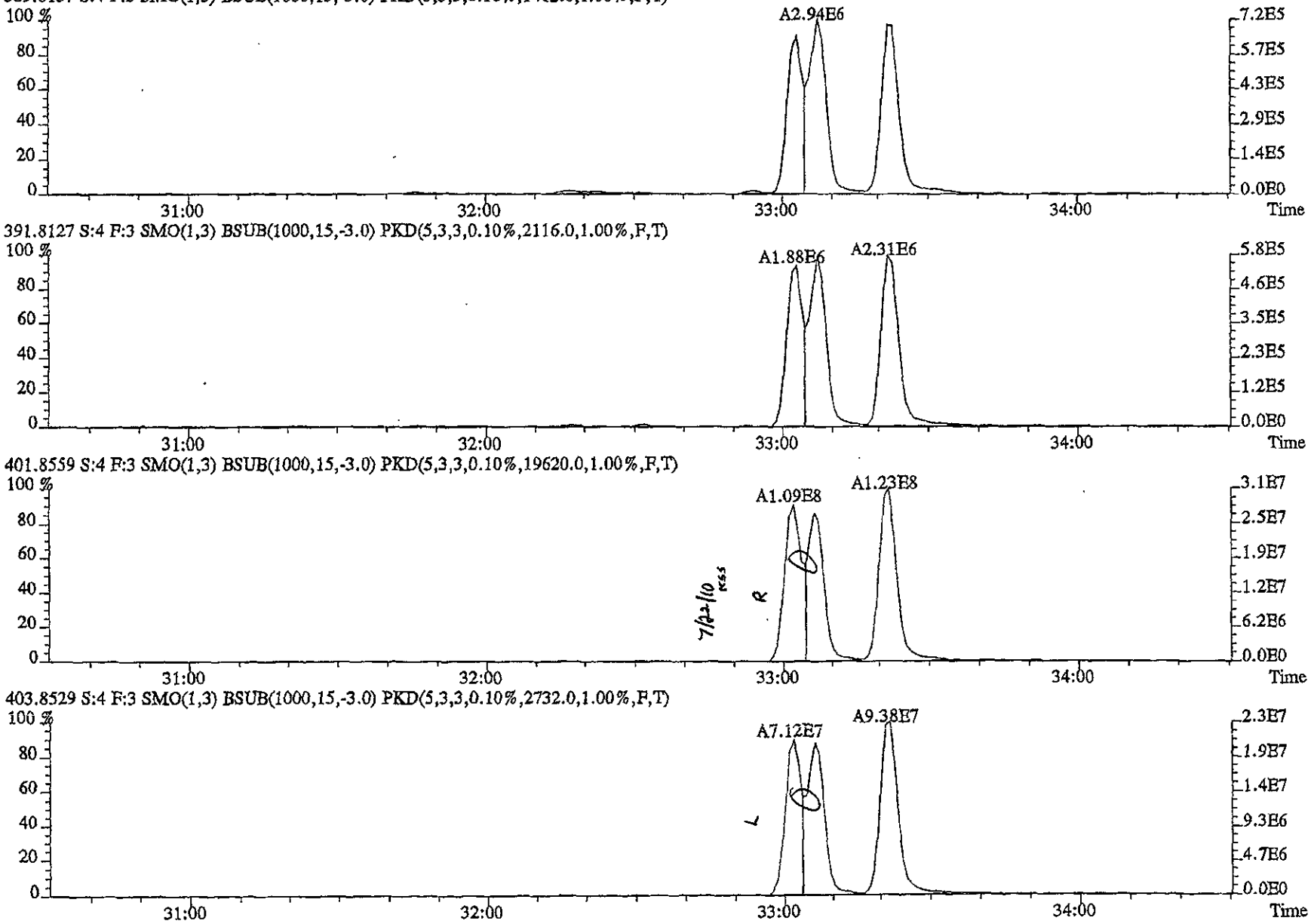
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13392.0,1.00%,F,T)



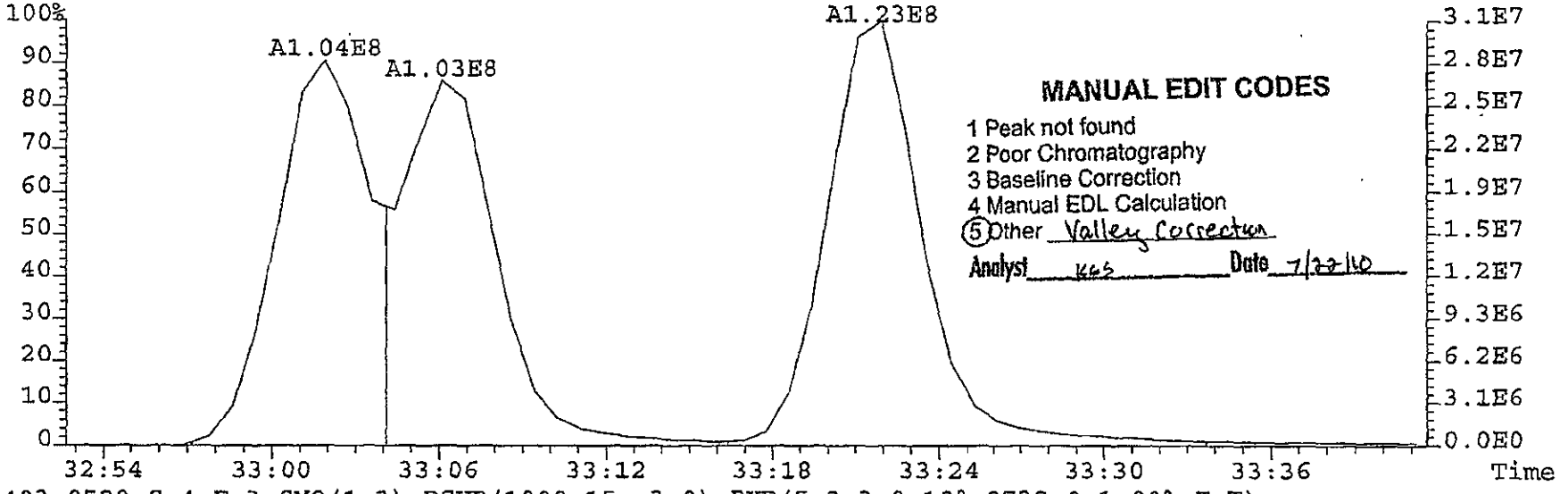
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23092.0,1.00%,F,T)



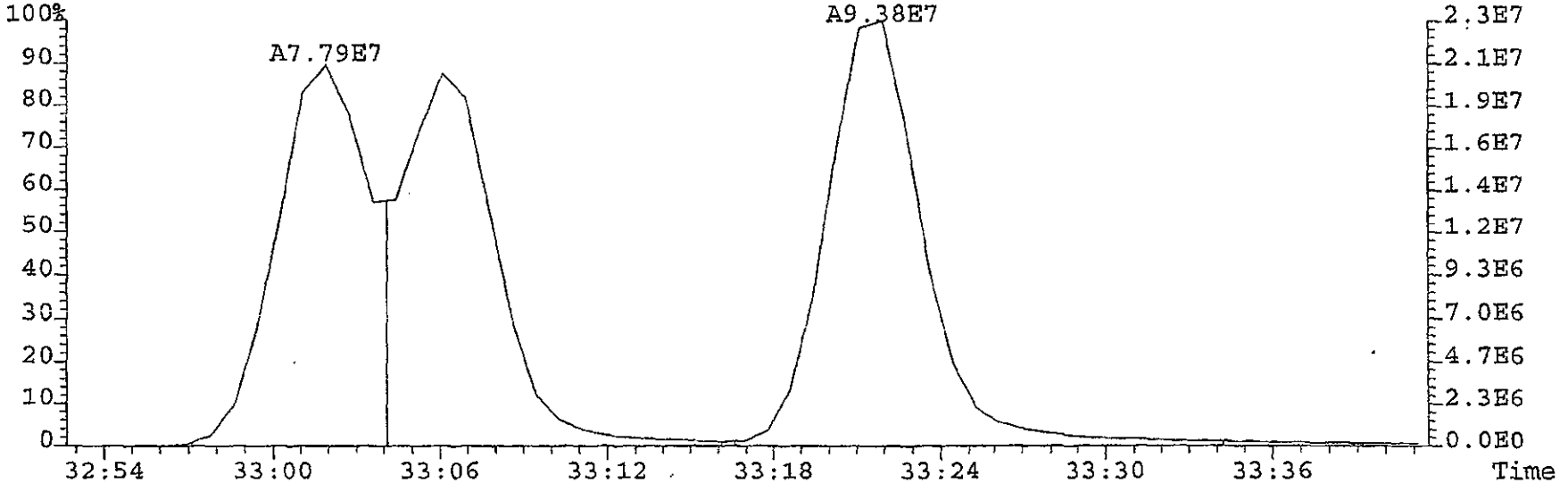
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



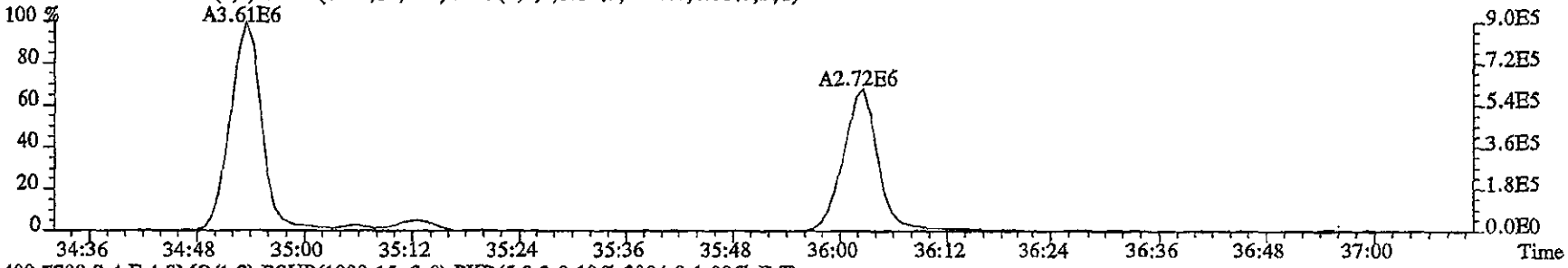
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19620.0,1.00%,F,T)



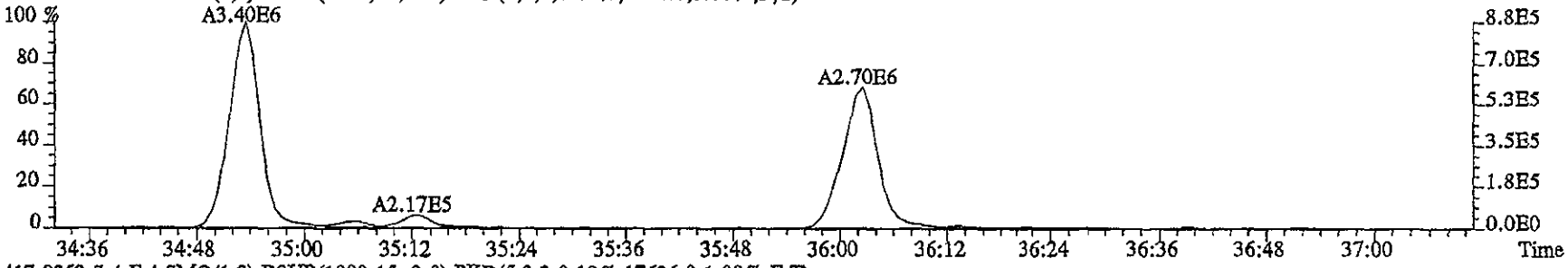
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2732.0,1.00%,F,T)



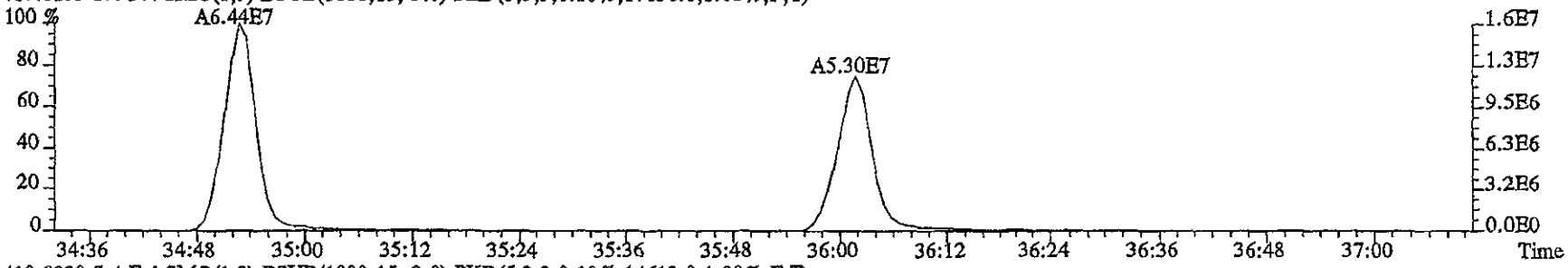
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3388.0,1.00%,F,T)



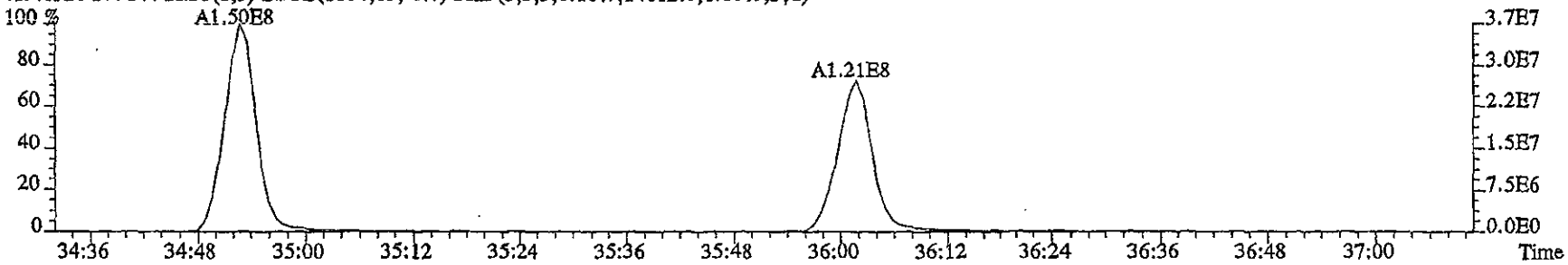
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3004.0,1.00%,F,T)

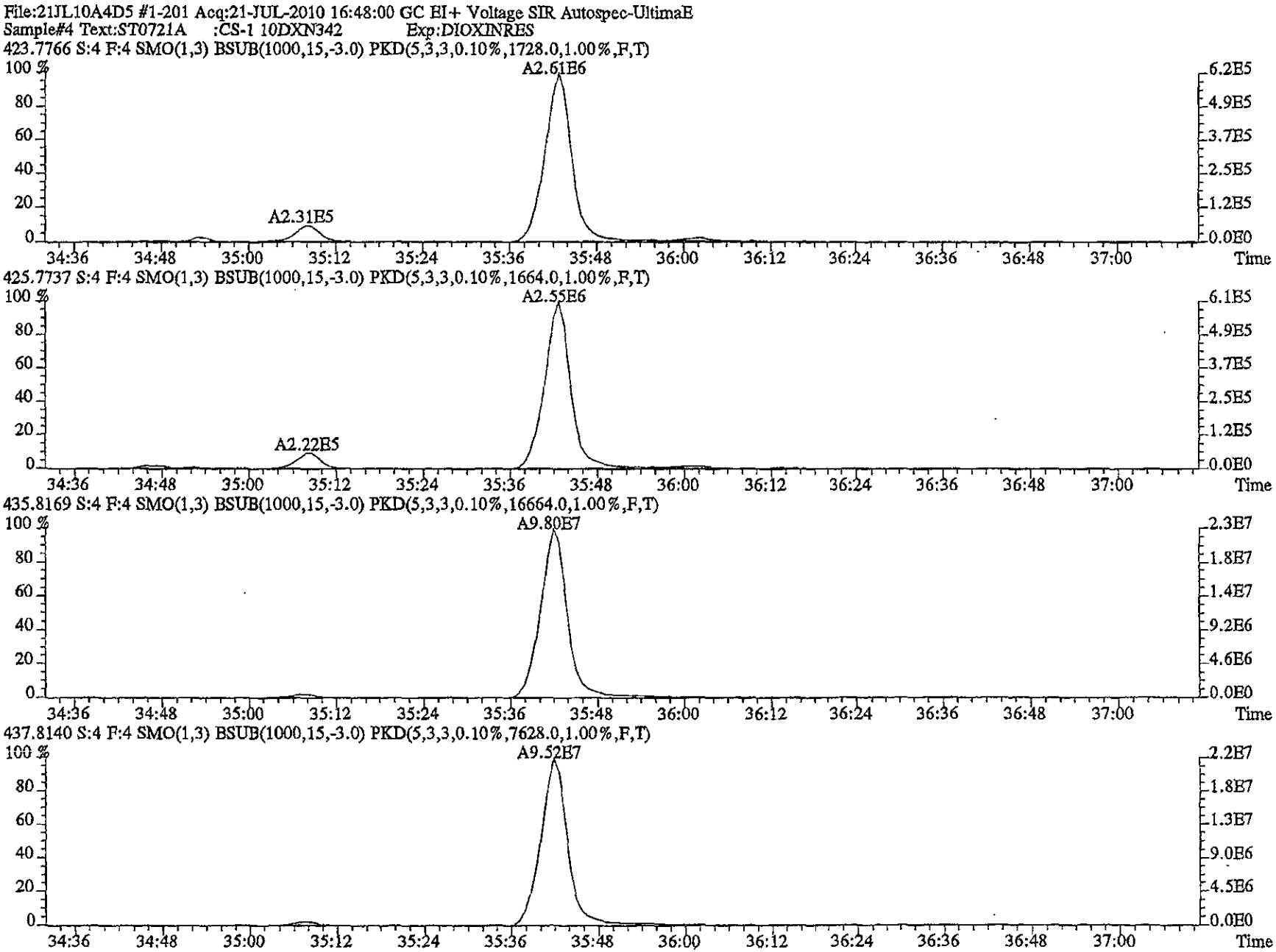


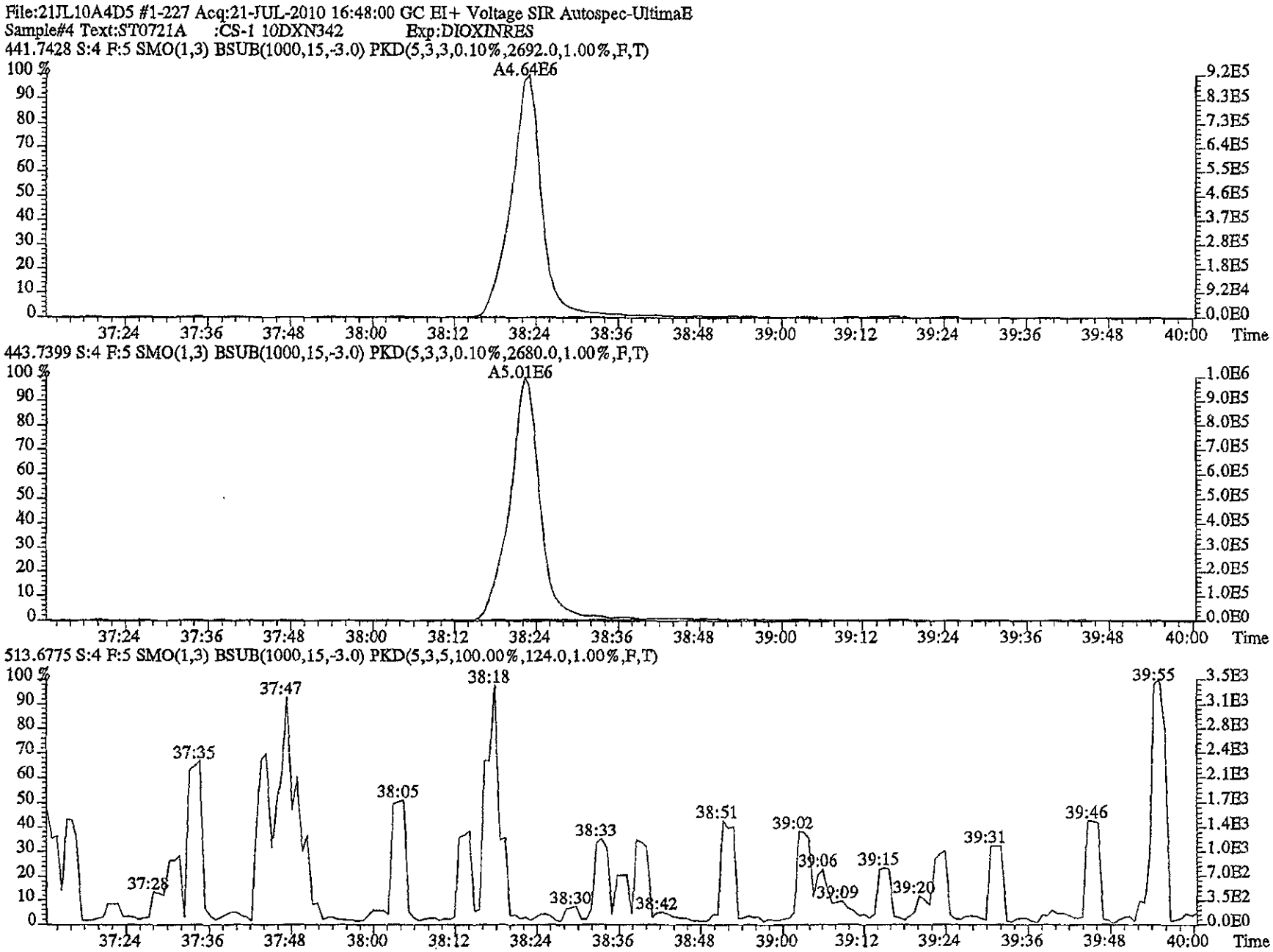
417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17636.0,1.00%,F,T)



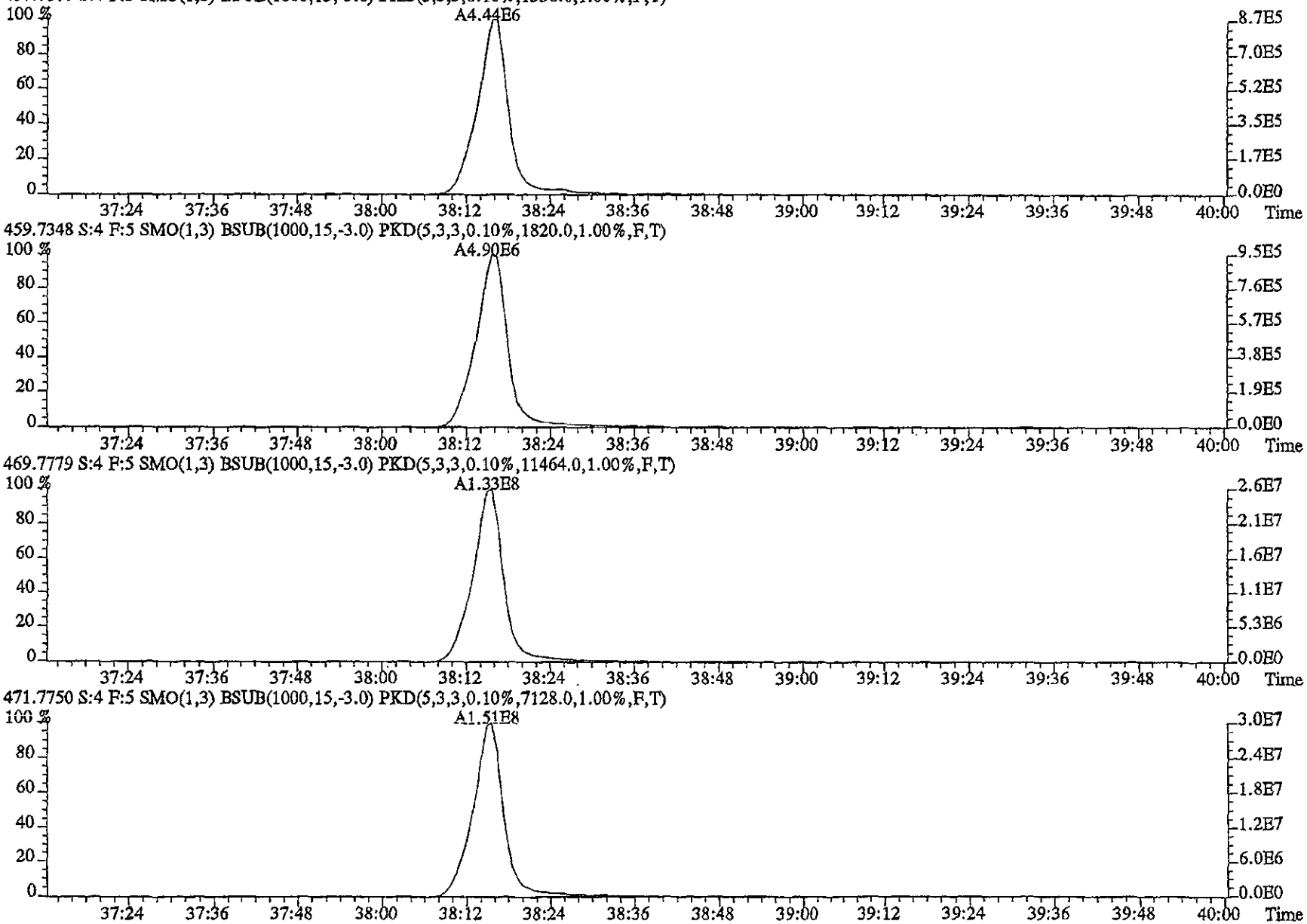
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14612.0,1.00%,F,T)



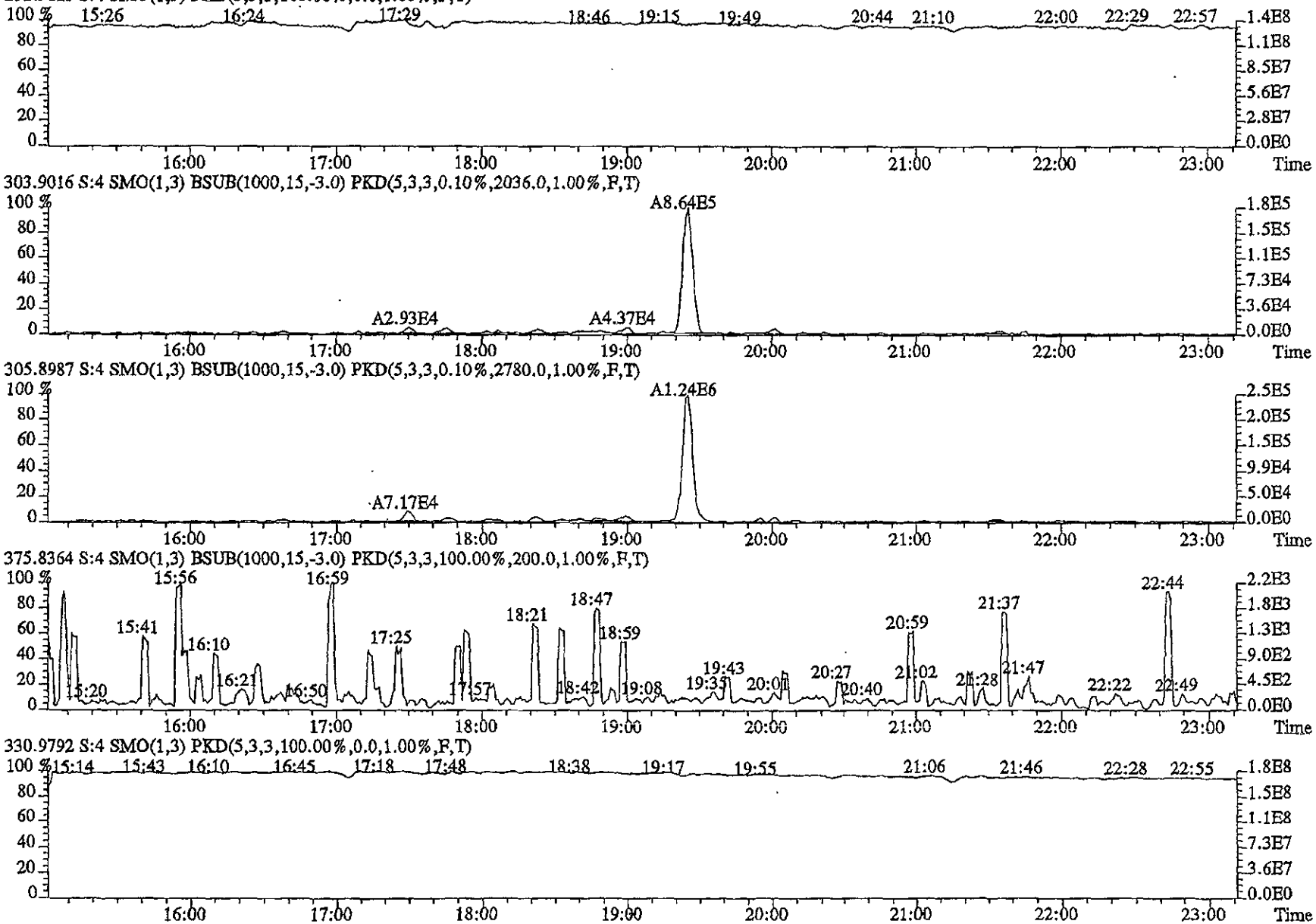


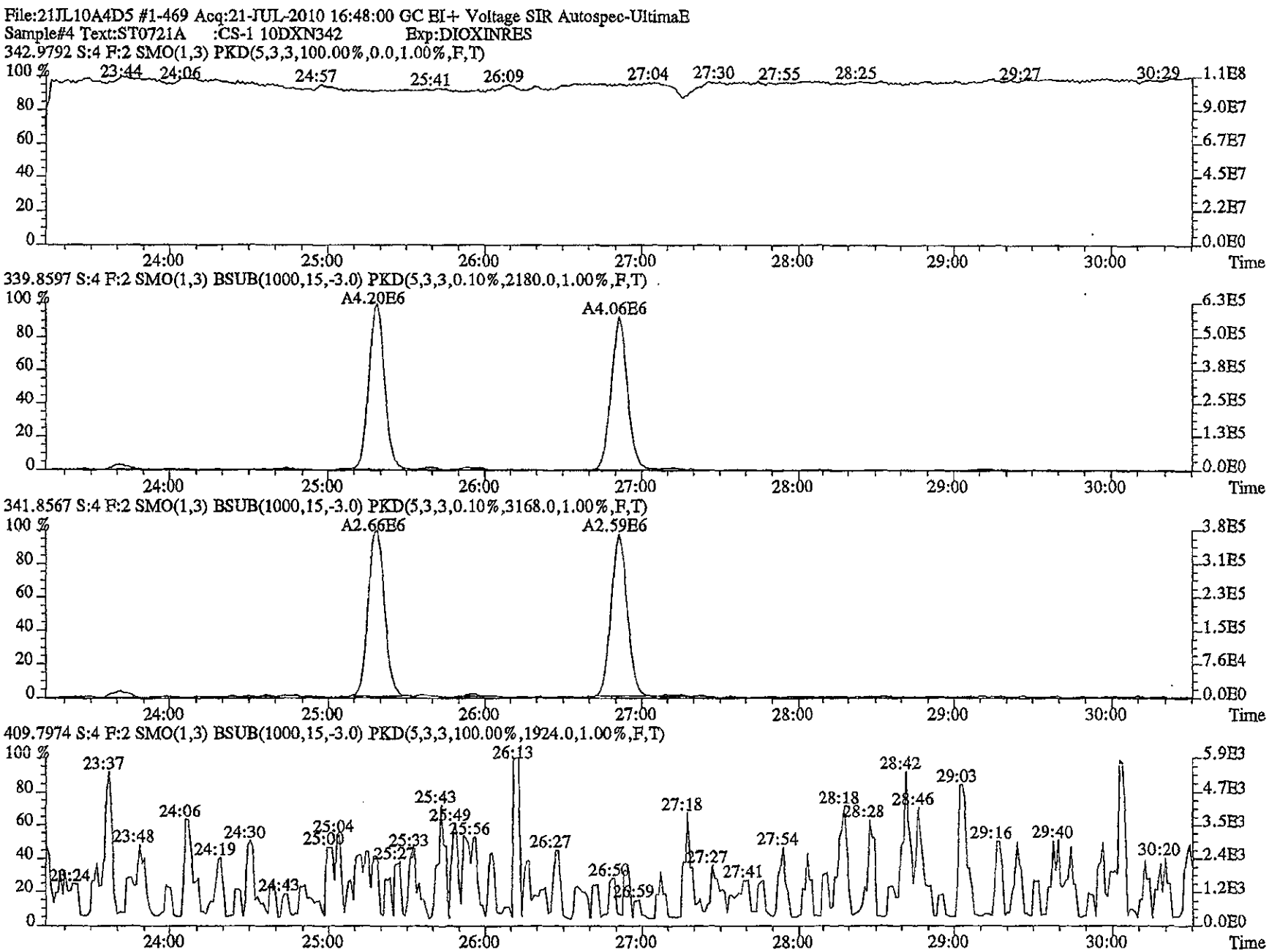

File:21JL10A4D5 #1-227 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T)
A4.64E6
443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2680.0,1.00%,F,T)
A5.01E6
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)
37:28
37:35
37:47
38:05
38:18
38:30
38:33
38:42
38:51
39:02
39:06
39:09
39:15
39:20
39:31
39:46
39:55
Time

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

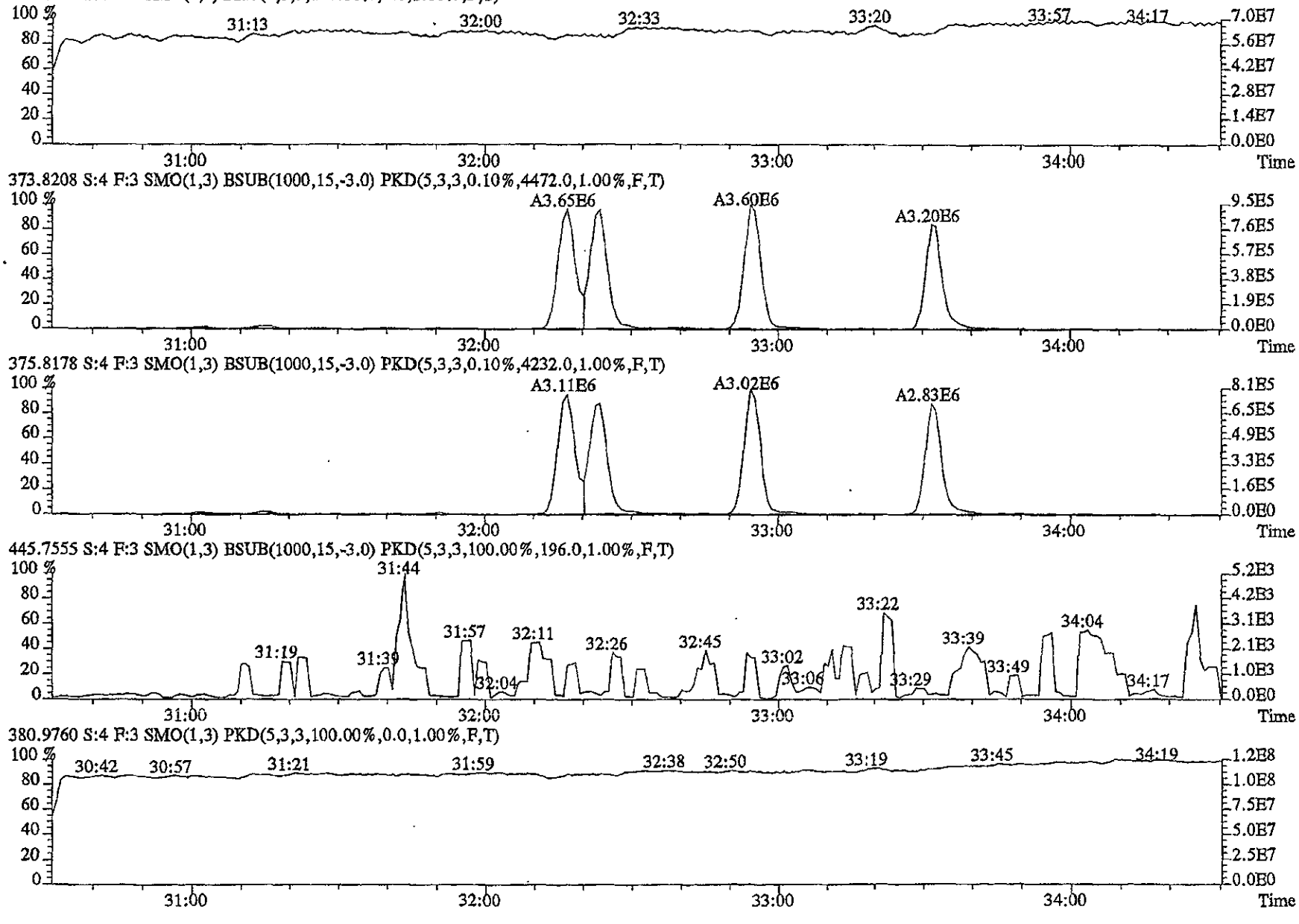


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES

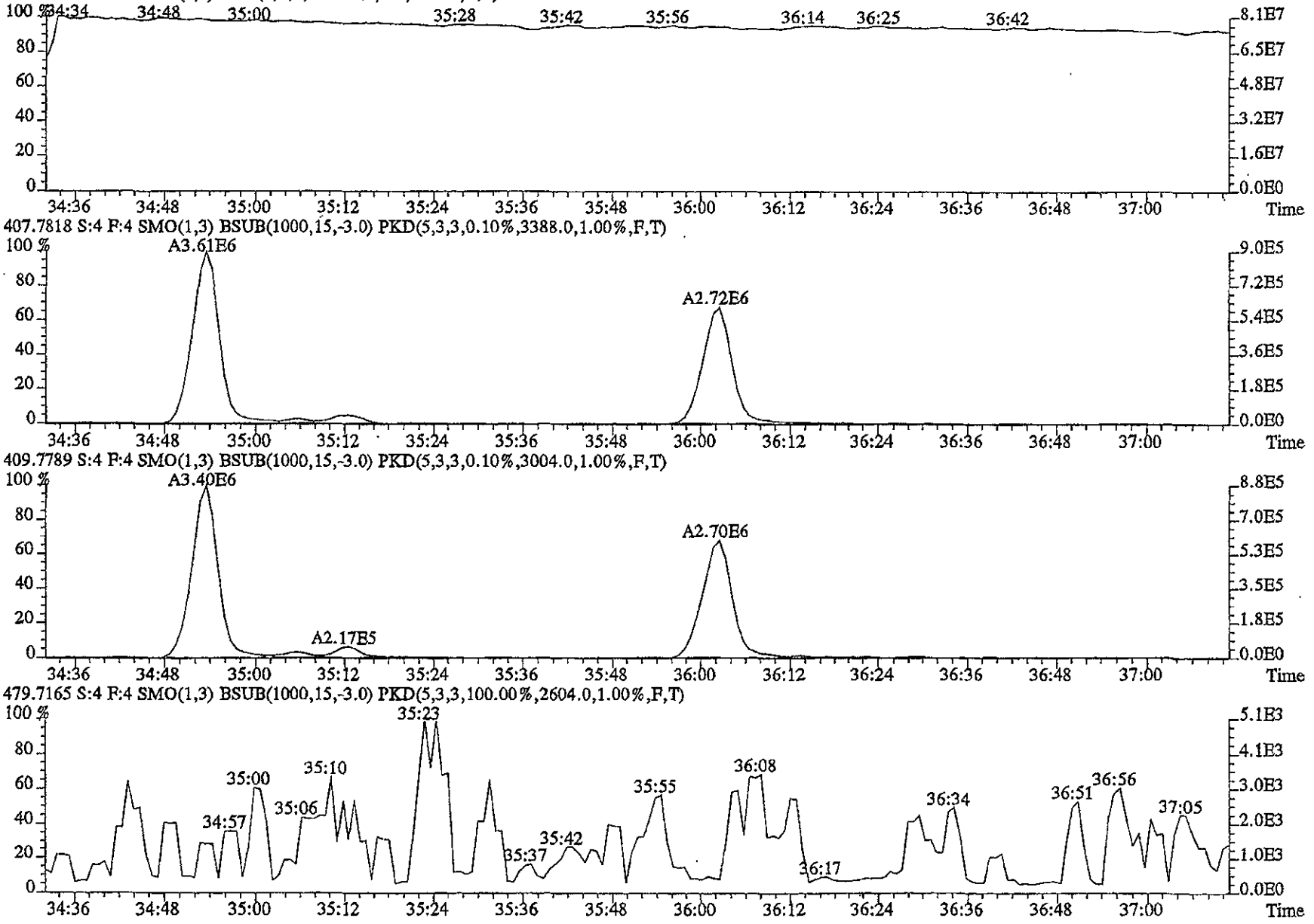



File:21JL10A4D5 #1-469 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)
A4.20E6
A4.06E6
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3168.0,1.00%,F,T)
A2.66E6
A2.59E6
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1924.0,1.00%,F,T)
Time

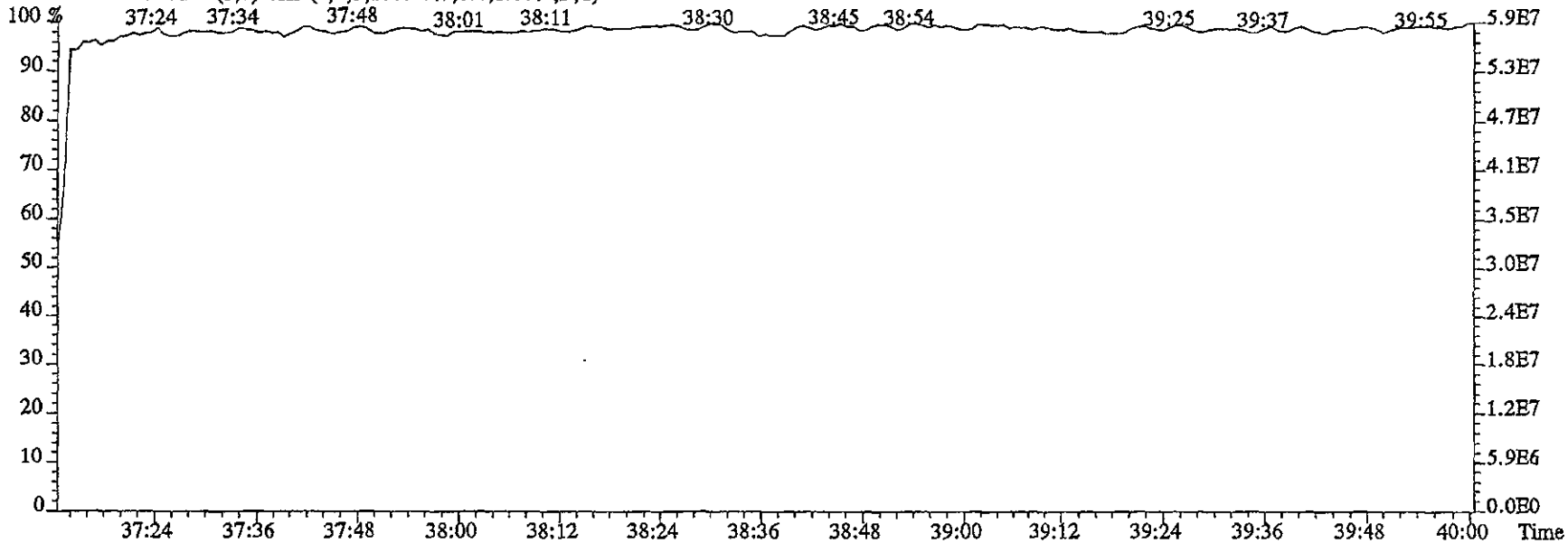
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



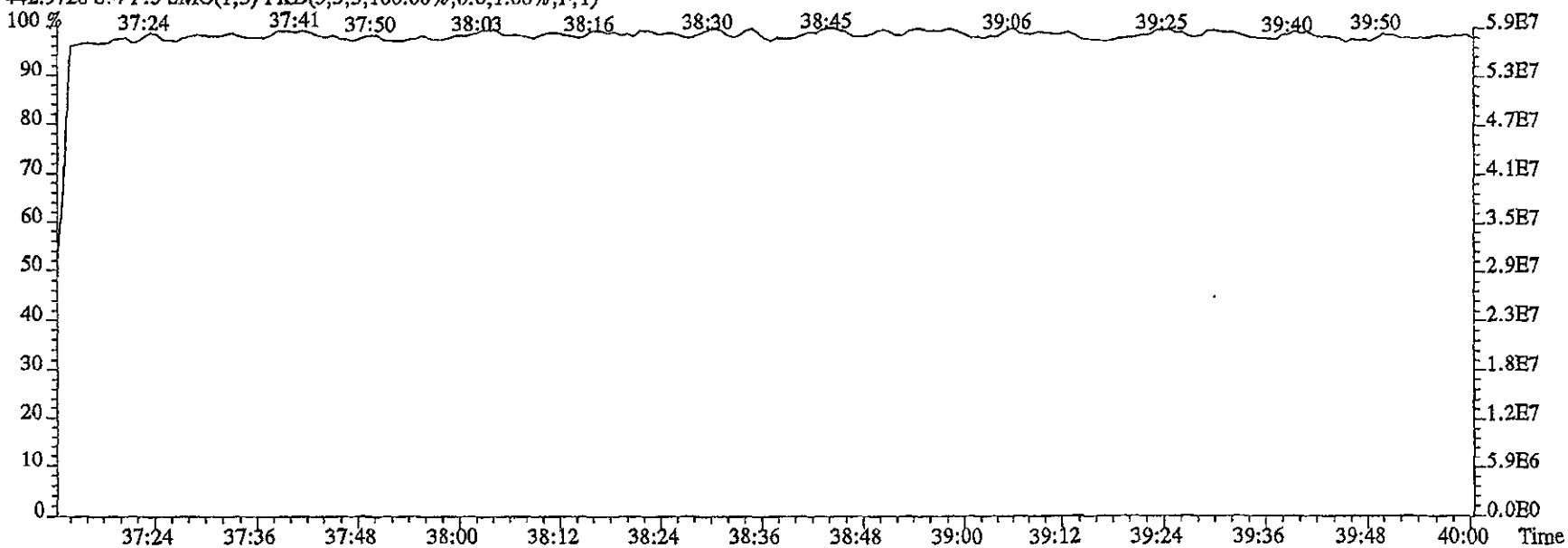
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES



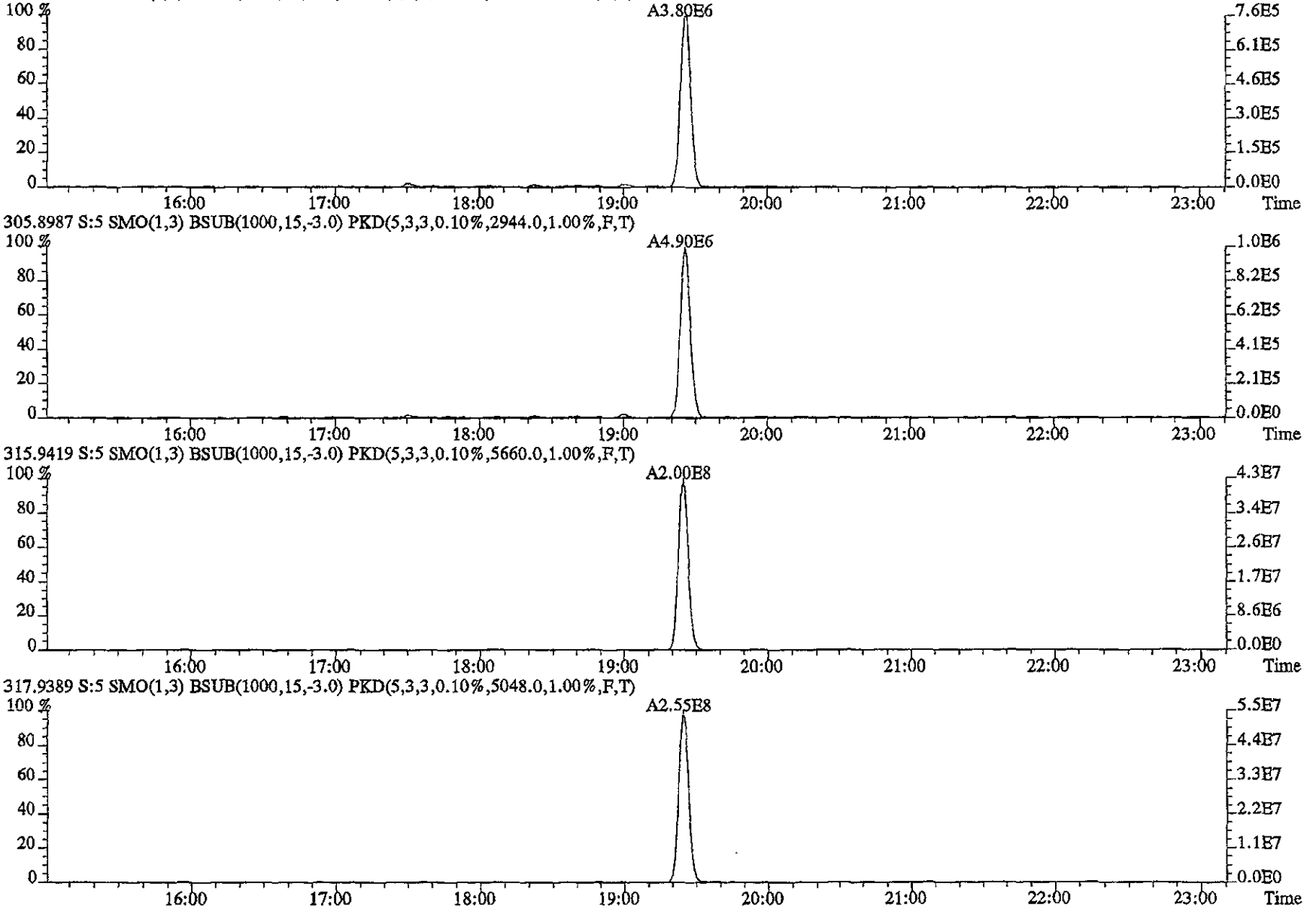
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

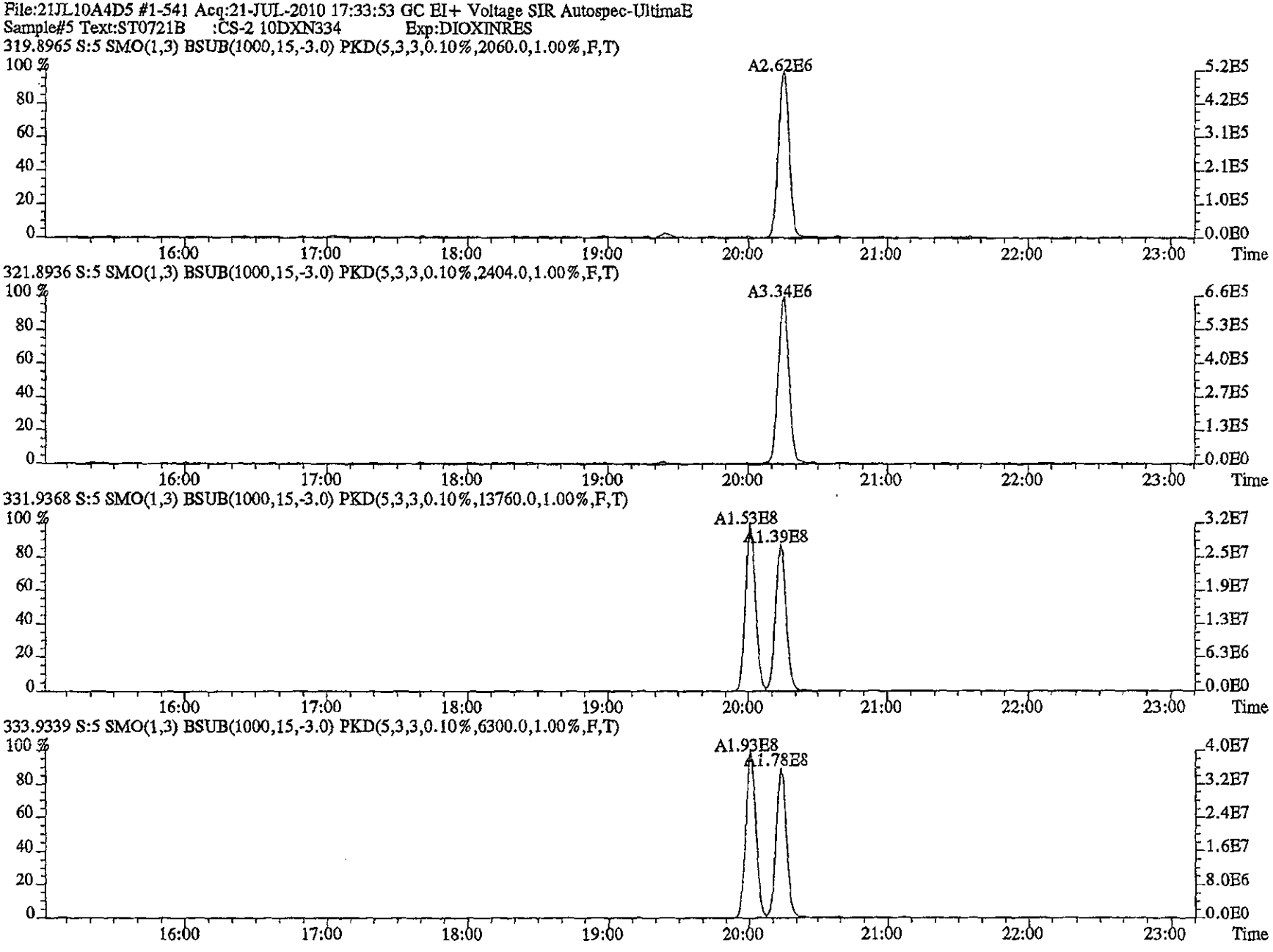


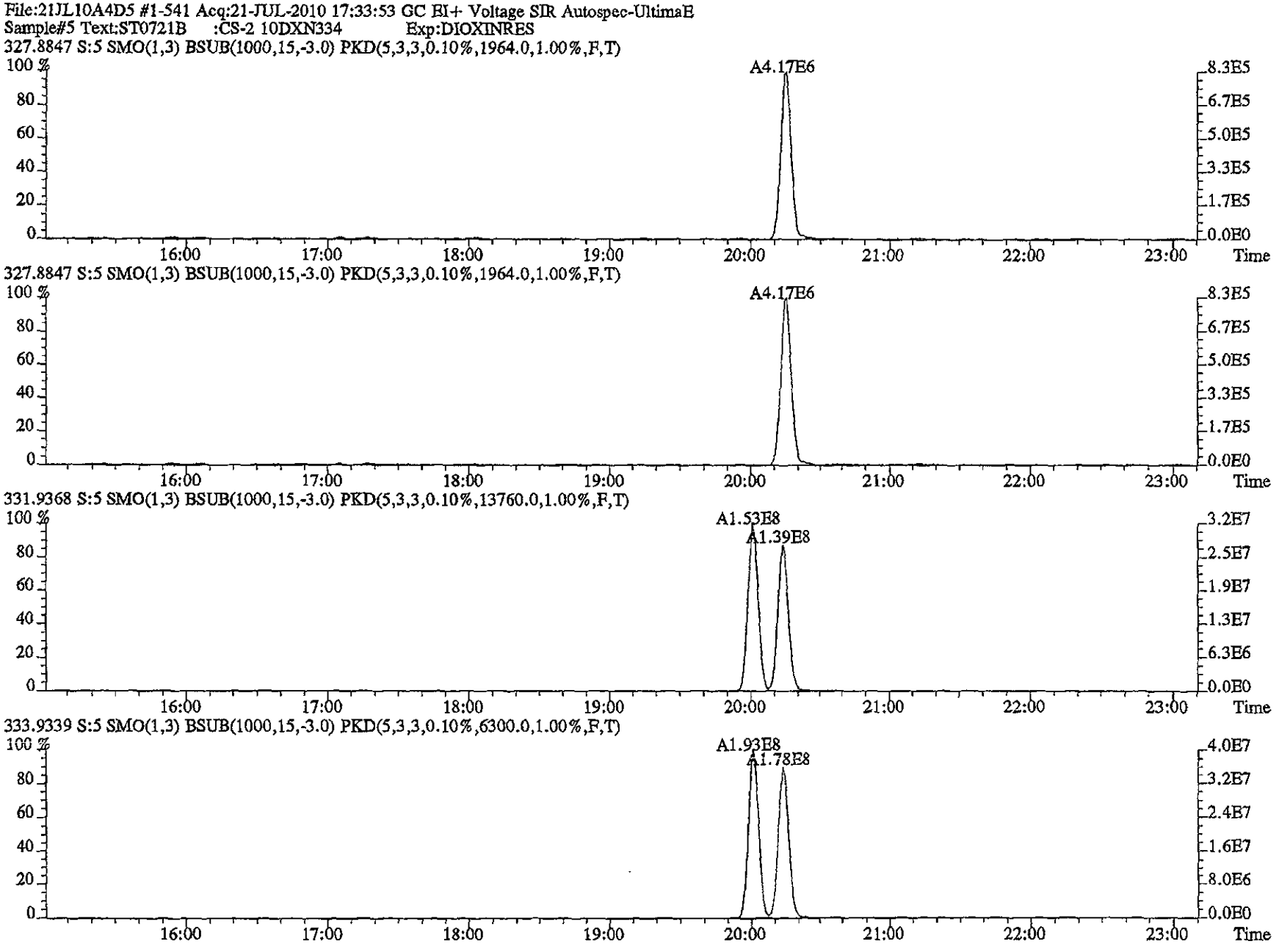
442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



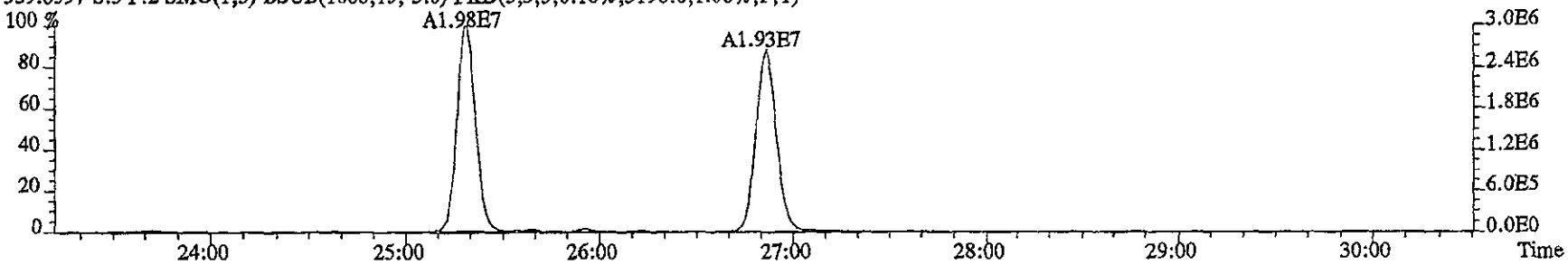
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

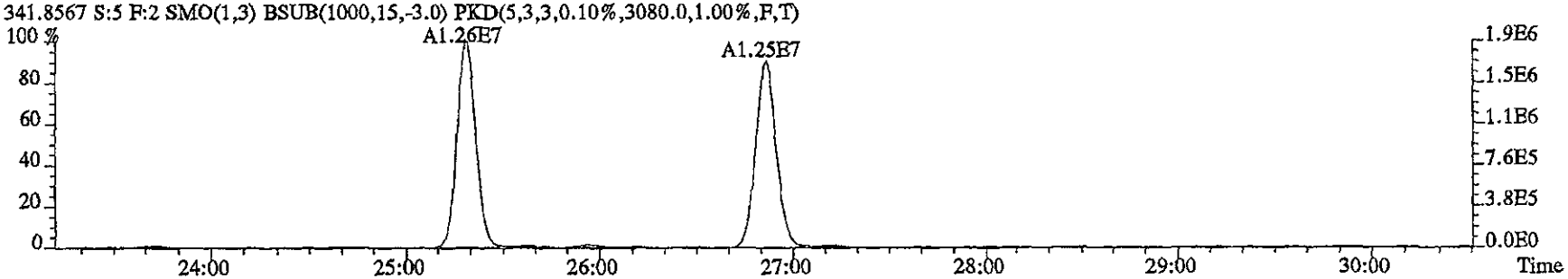


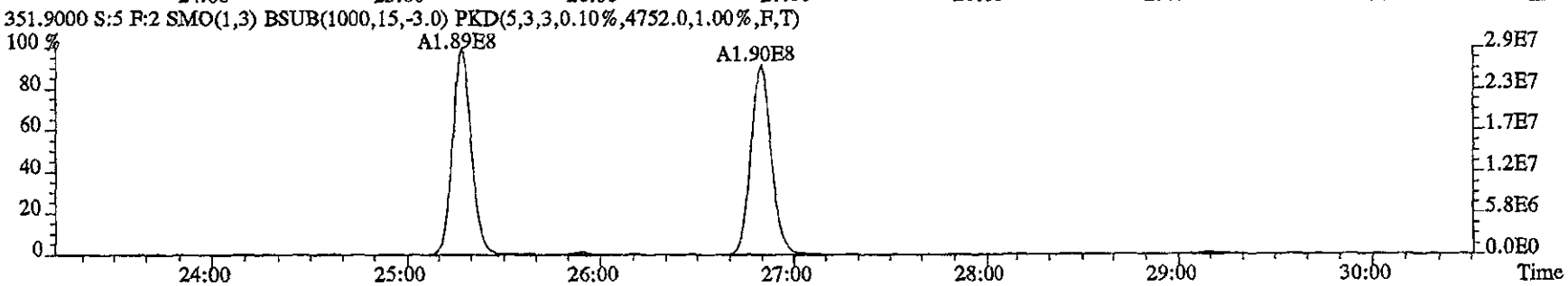


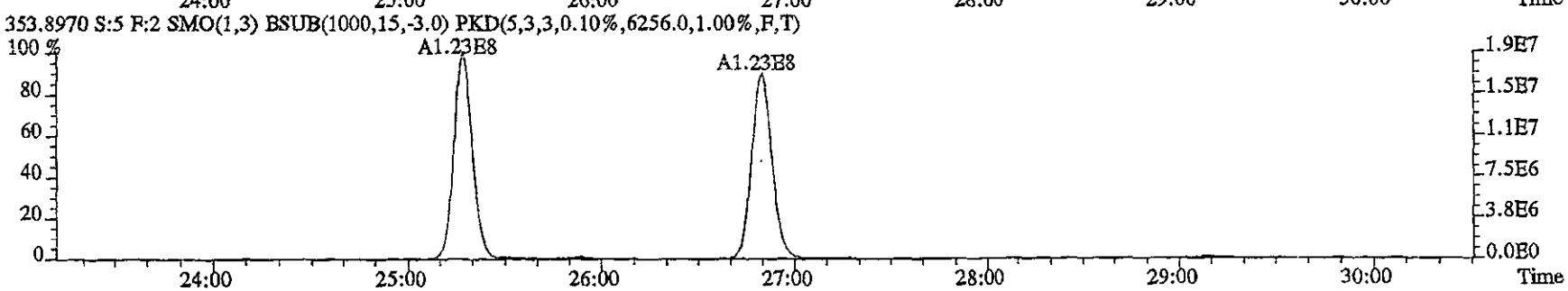


File:21JL10A4D5 #1-470 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



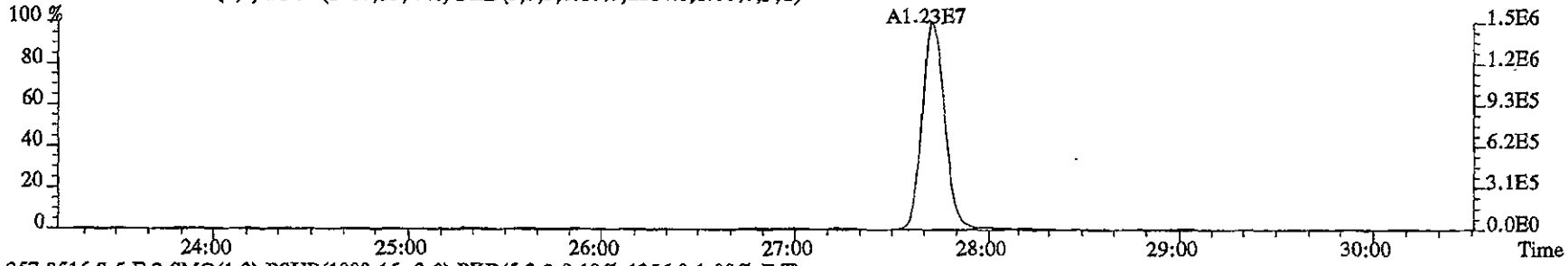




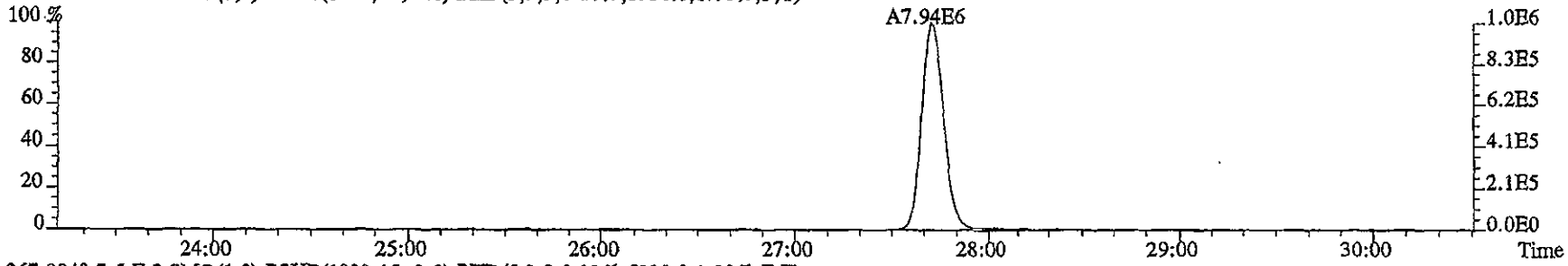


File:21JL10A4D5 #1-470 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

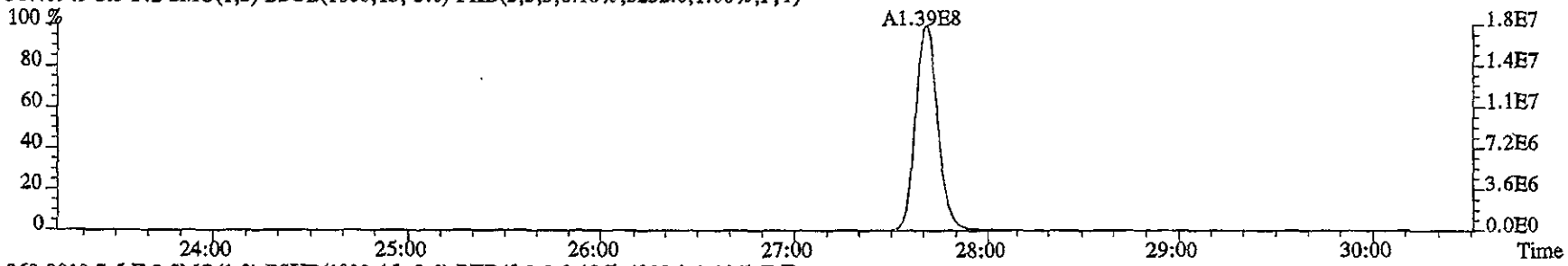
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)



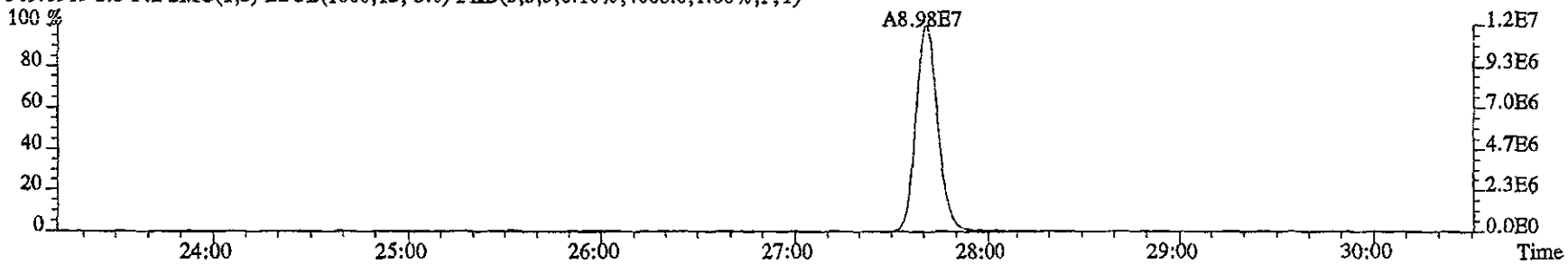
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1356.0,1.00%,F,T)



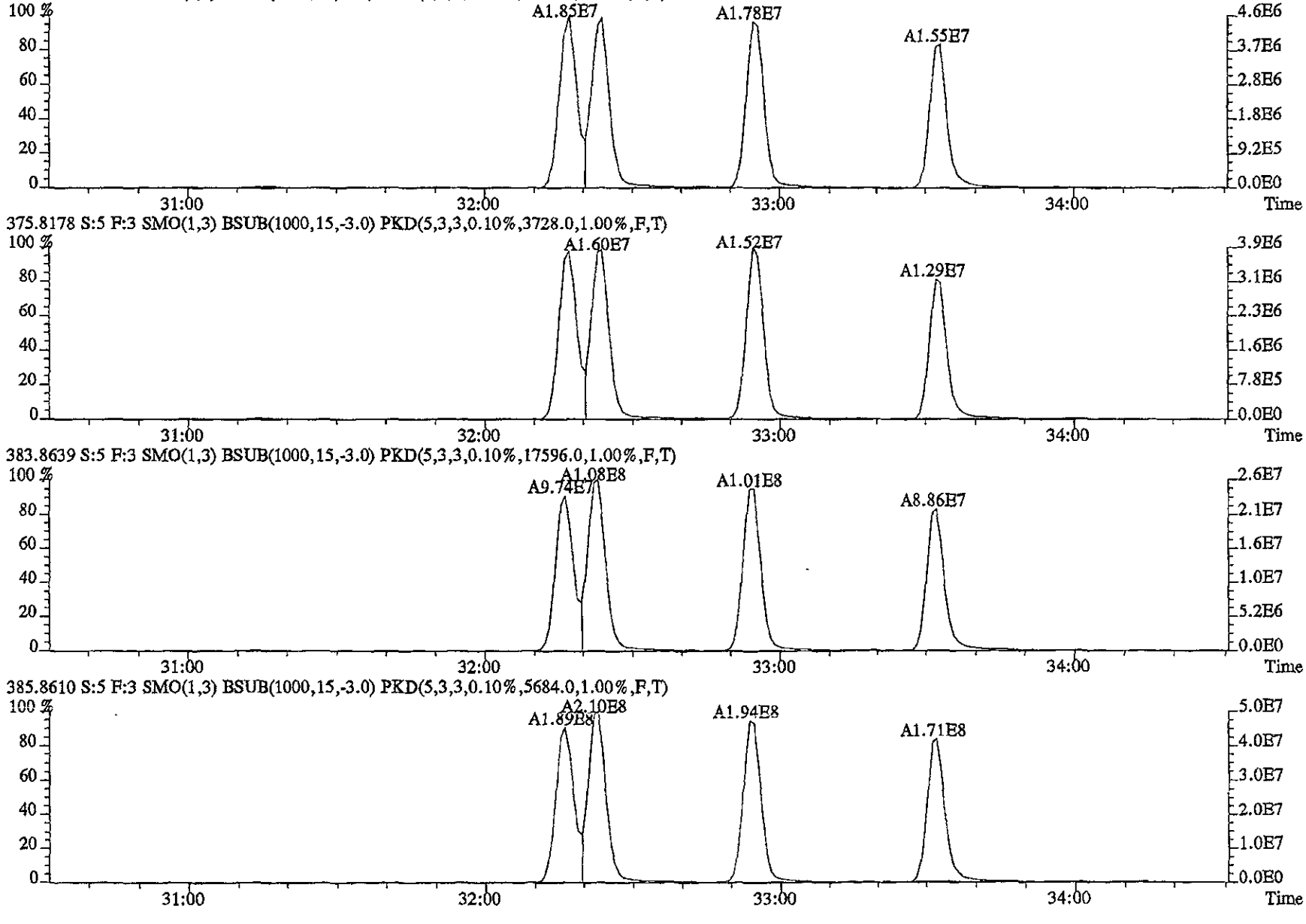
367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5232.0,1.00%,F,T)



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)

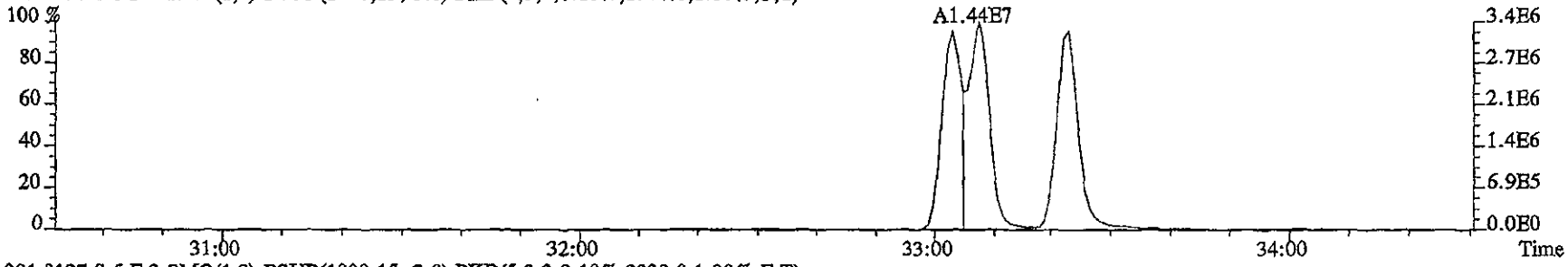


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



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

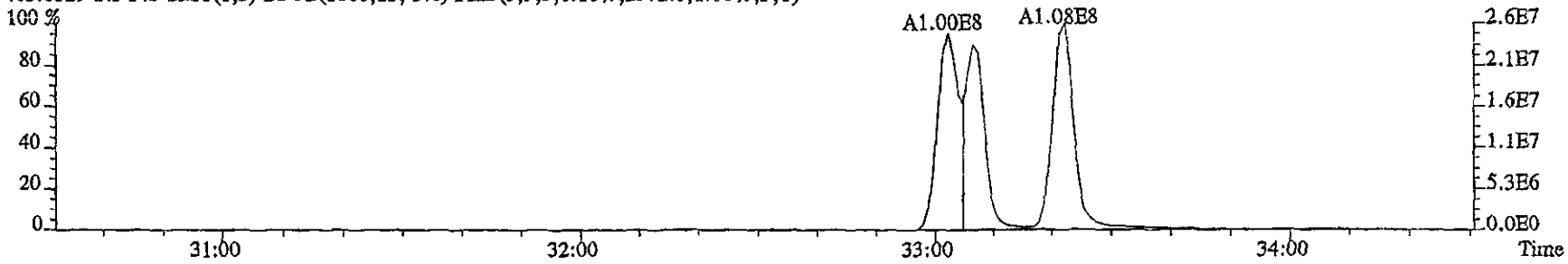
389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T)



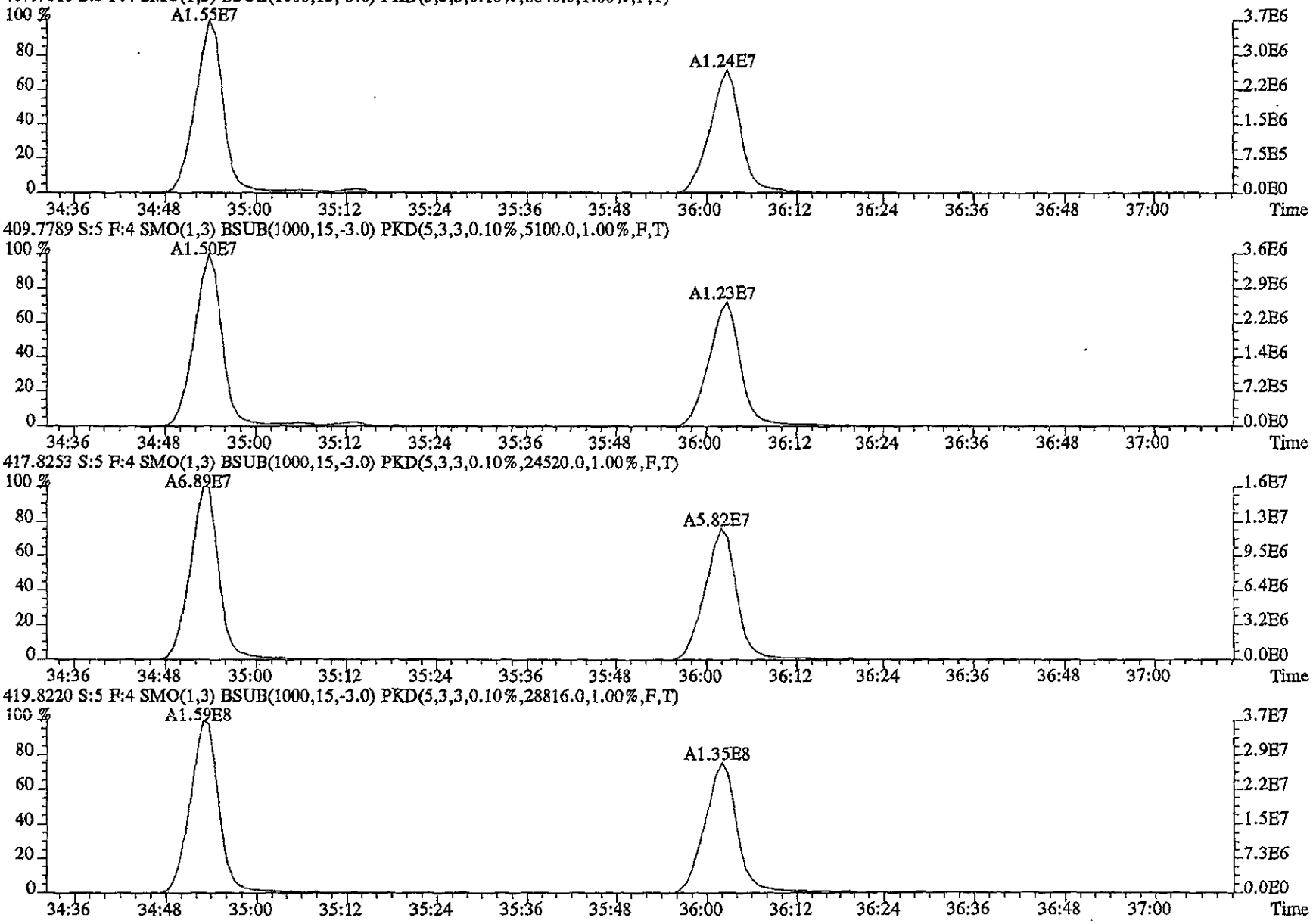
391.8127 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2228.0,1.00%,F,T)

401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4048.0,1.00%,F,T)

403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2972.0,1.00%,F,T)

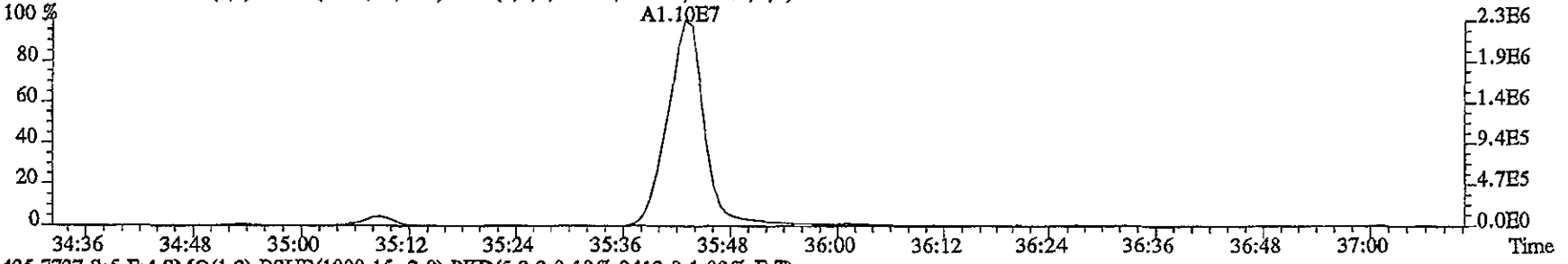


File:21JL10A4D5 #1-200 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 *10DXN334* Exp:DIOXINRES

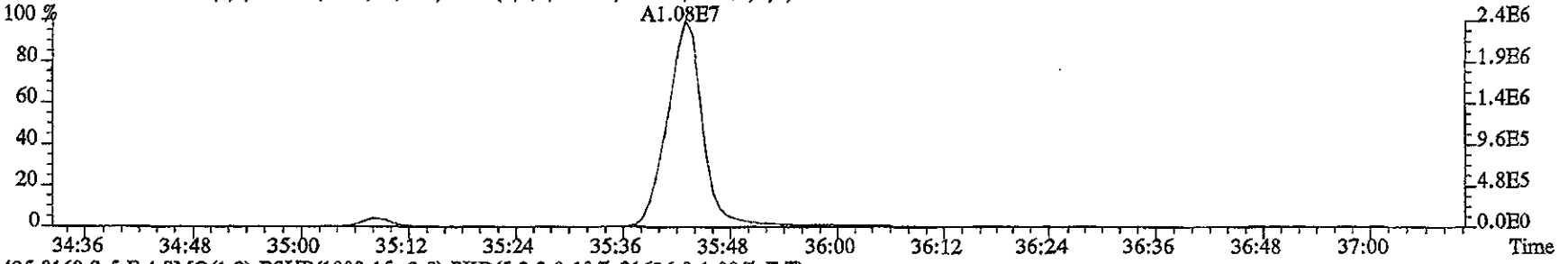


File:21JL10A4D5 #1-200 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

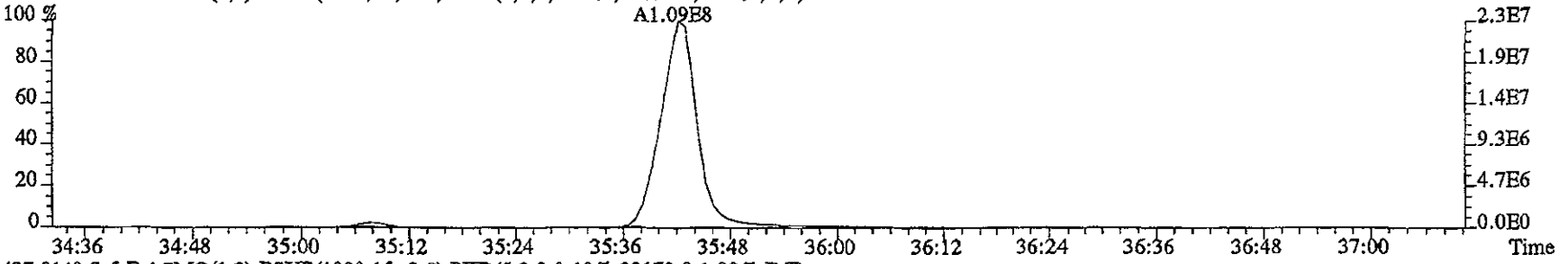
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3164.0,1.00%,F,T)



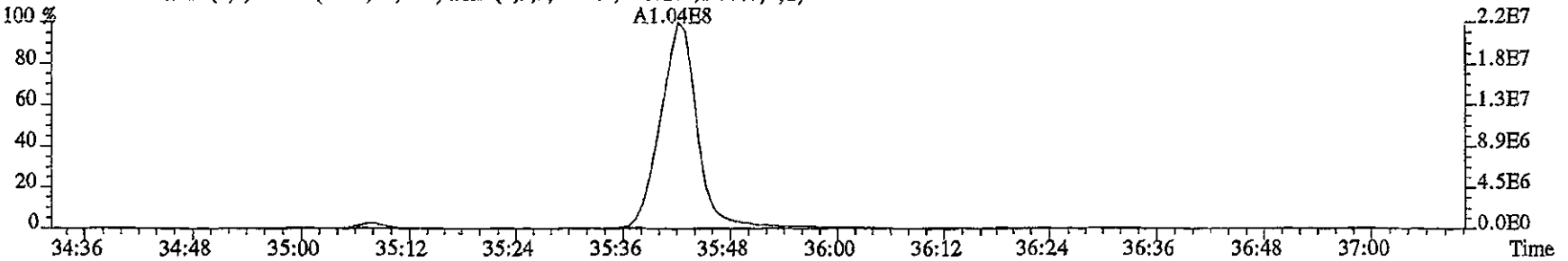
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3412.0,1.00%,F,T)

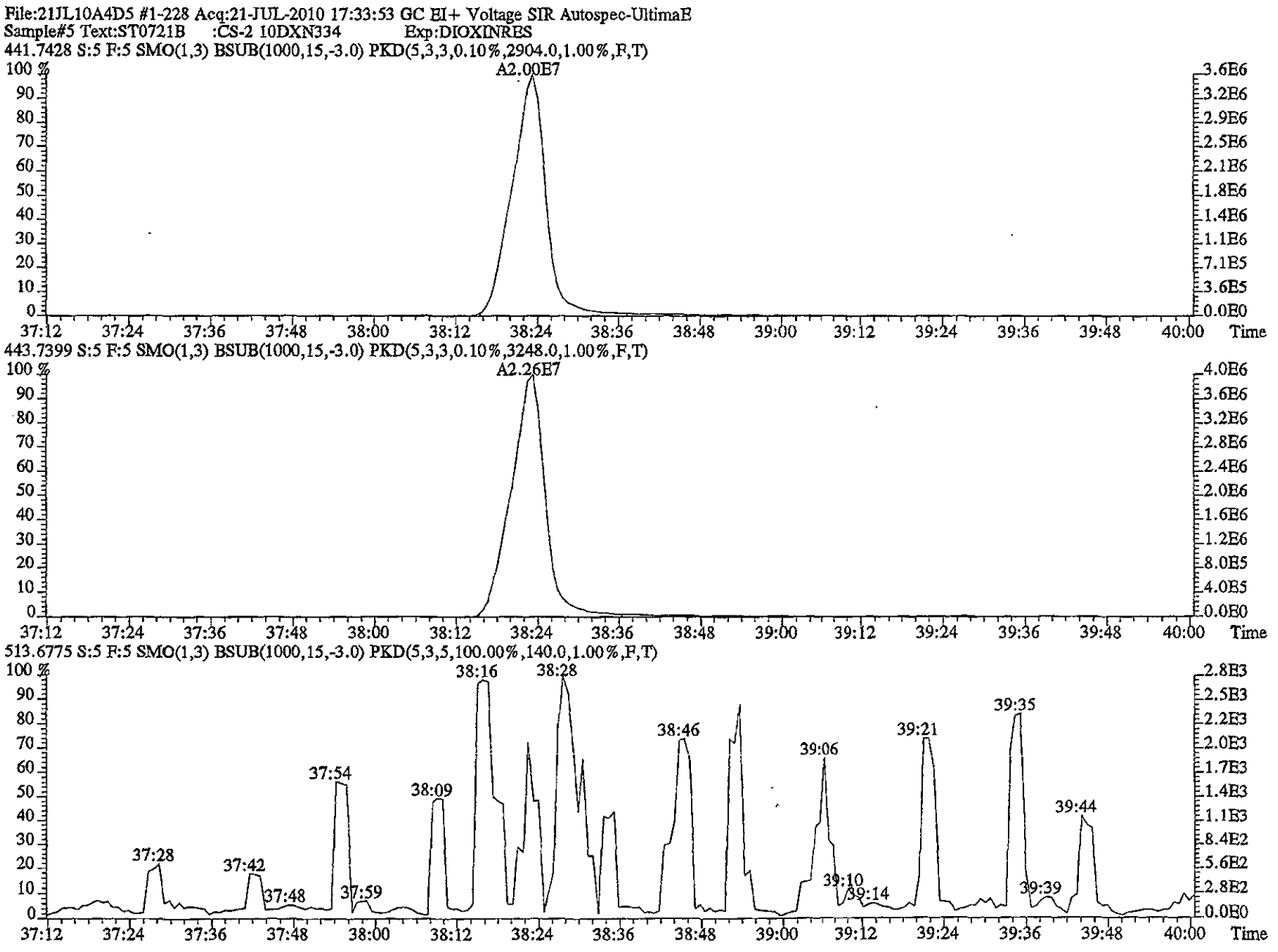


435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21636.0,1.00%,F,T)



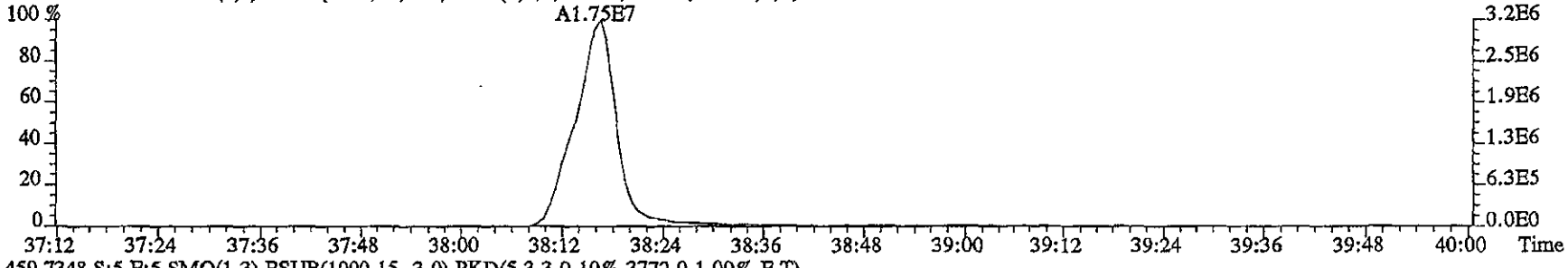
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22172.0,1.00%,F,T)



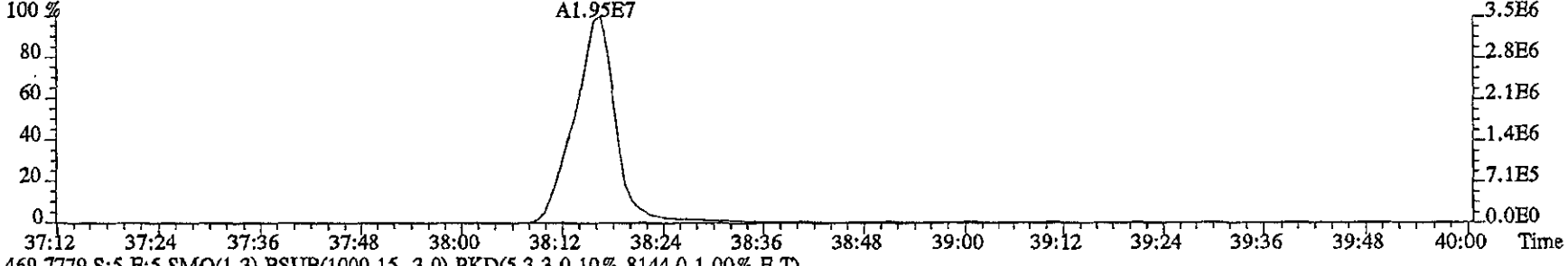

File:21JL10A4D5 #1-228 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2904.0,1.00%,F,T)
A2.00E7
443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)
A2.26E7
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)
37:28
37:42
37:48
37:54
37:59
38:09
38:16
38:28
38:46
39:06
39:10
39:14
39:21
39:35
39:39
39:44
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

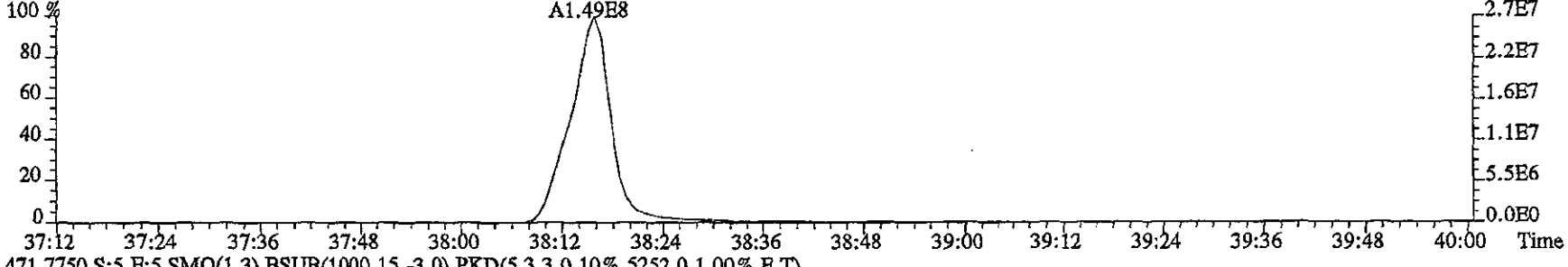
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3728.0,1.00%,F,T)



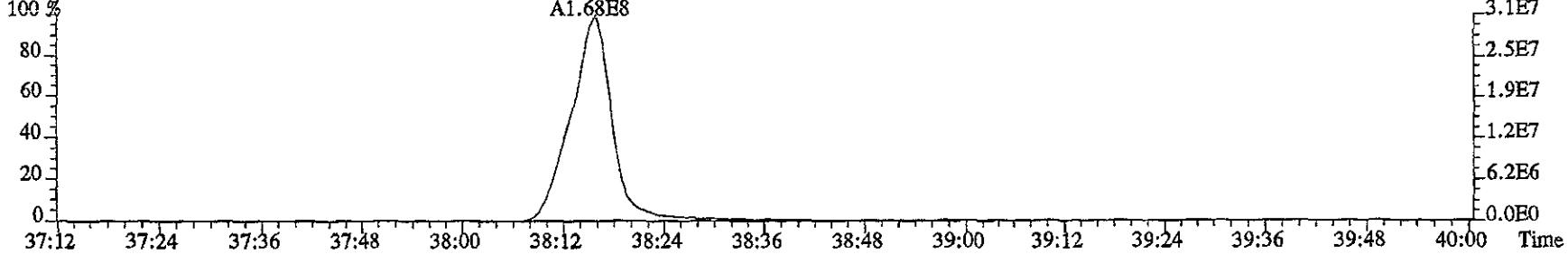
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



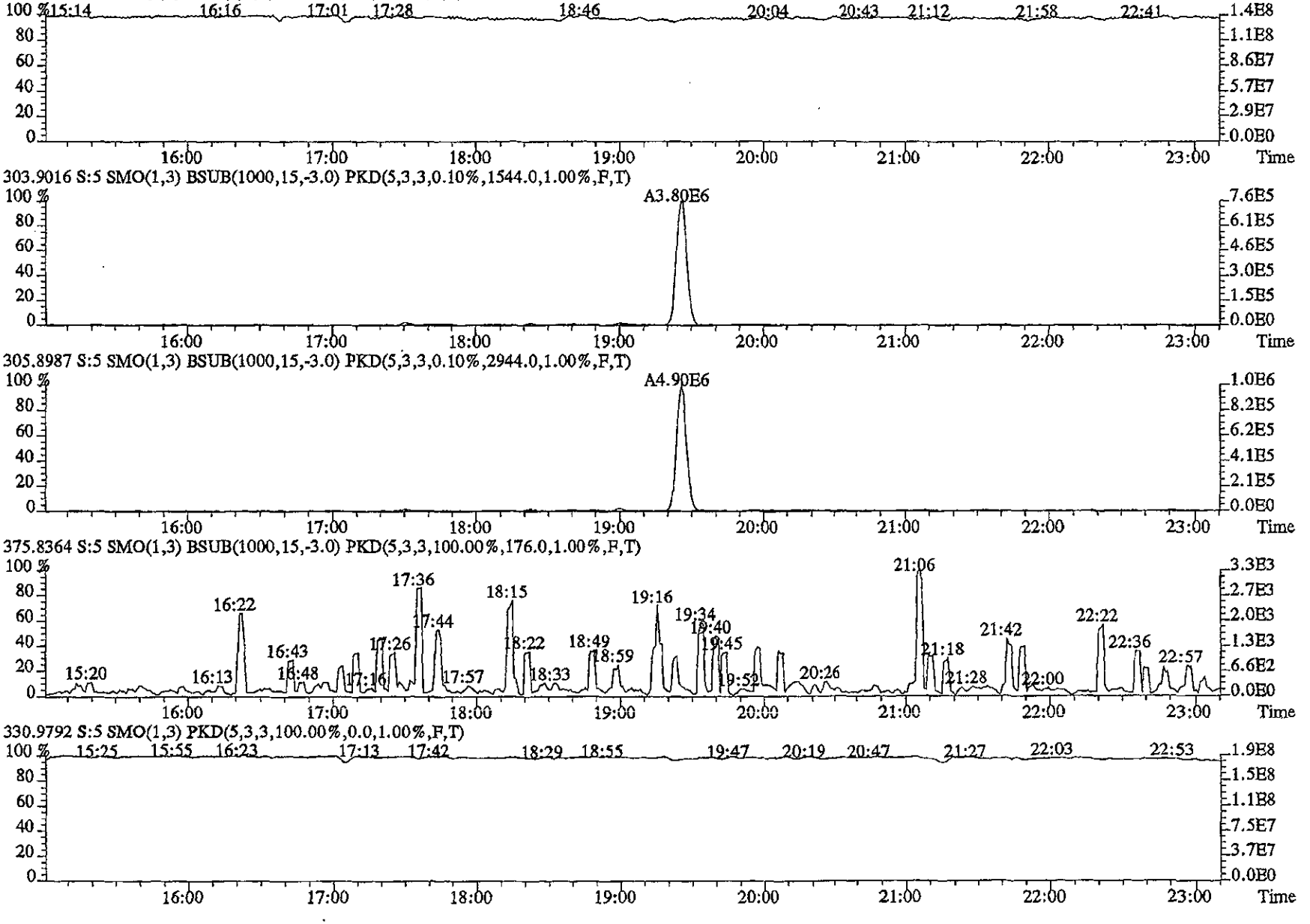
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8144.0,1.00%,F,T)

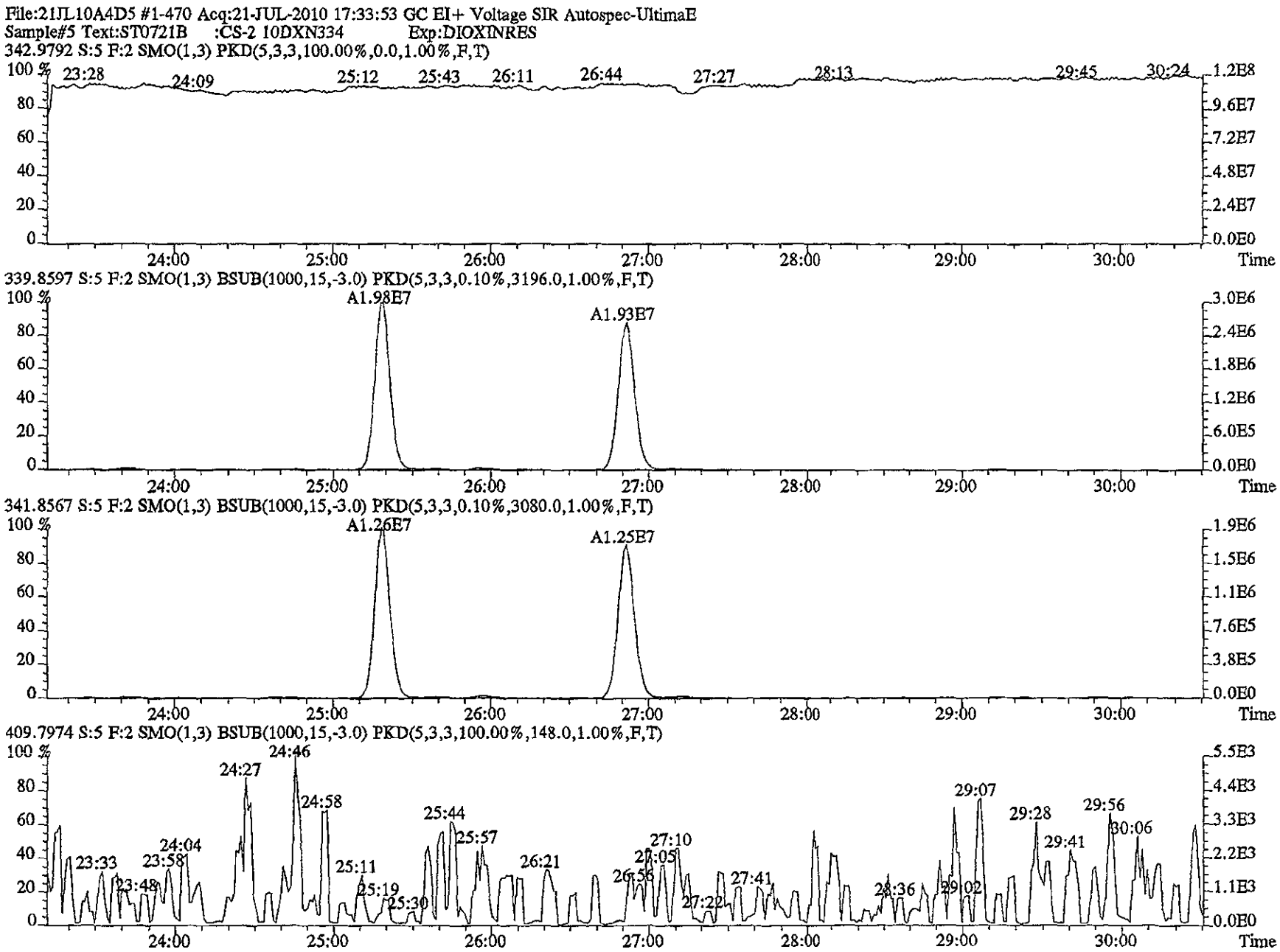


471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5252.0,1.00%,F,T)

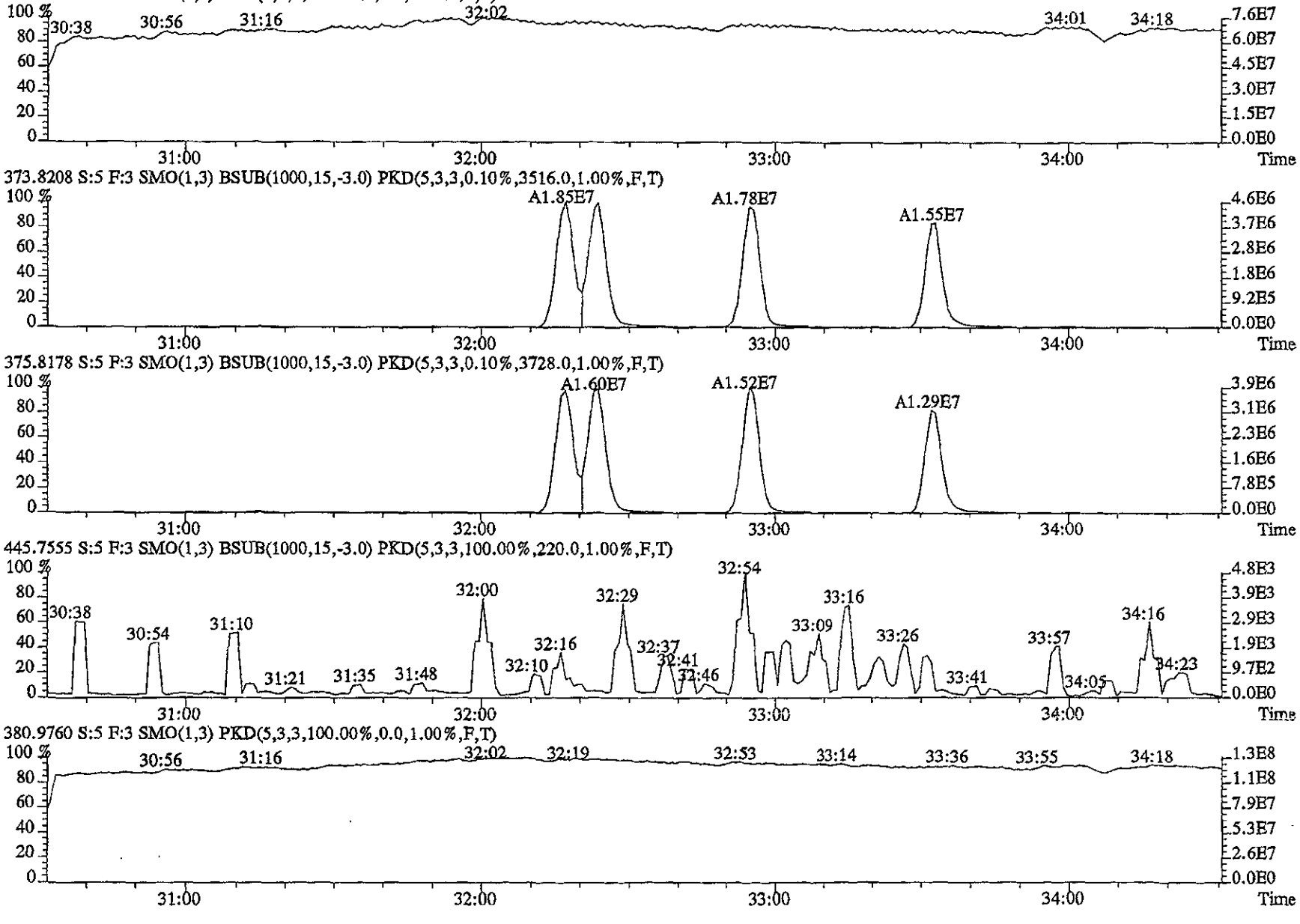


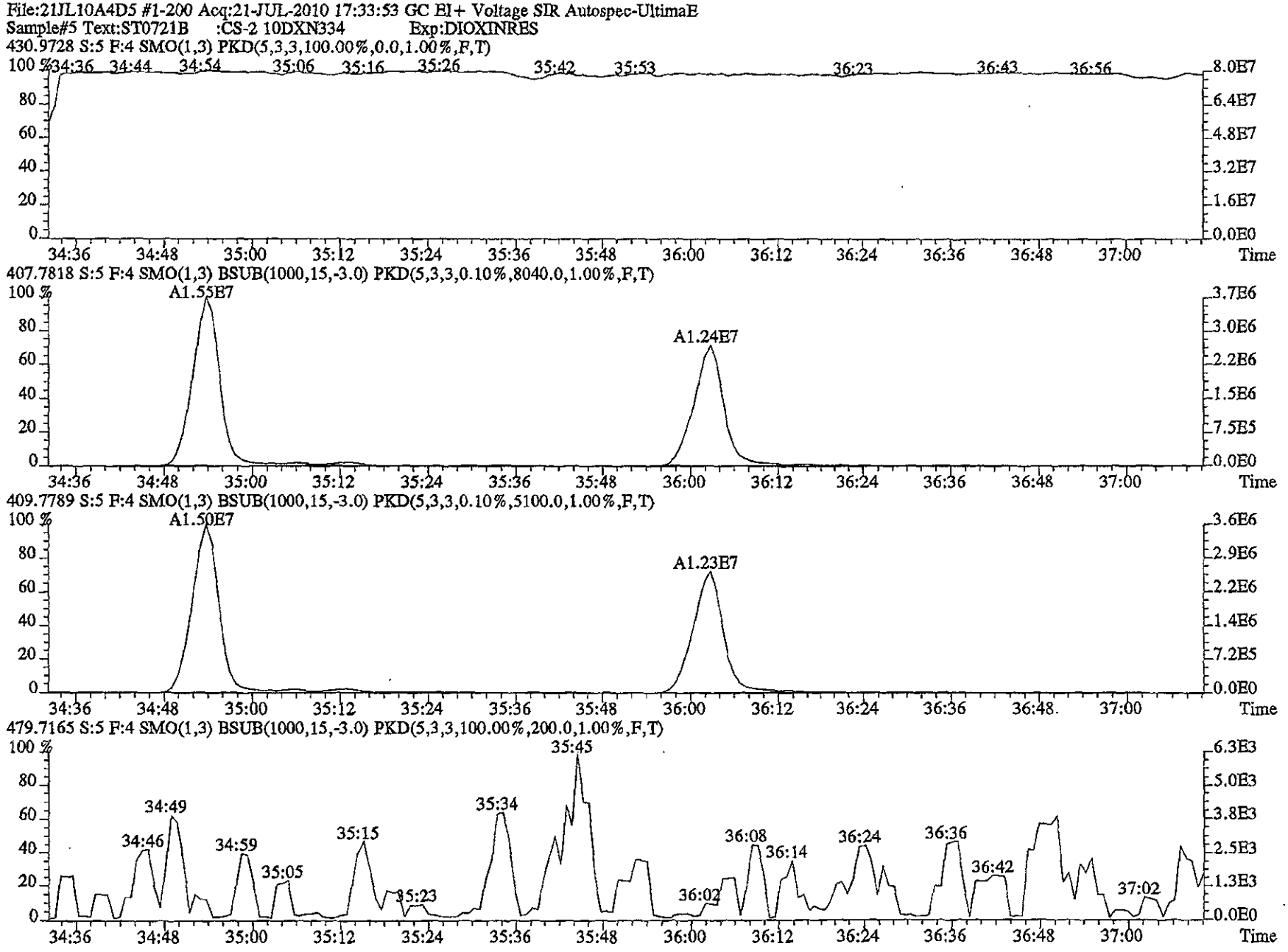
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES



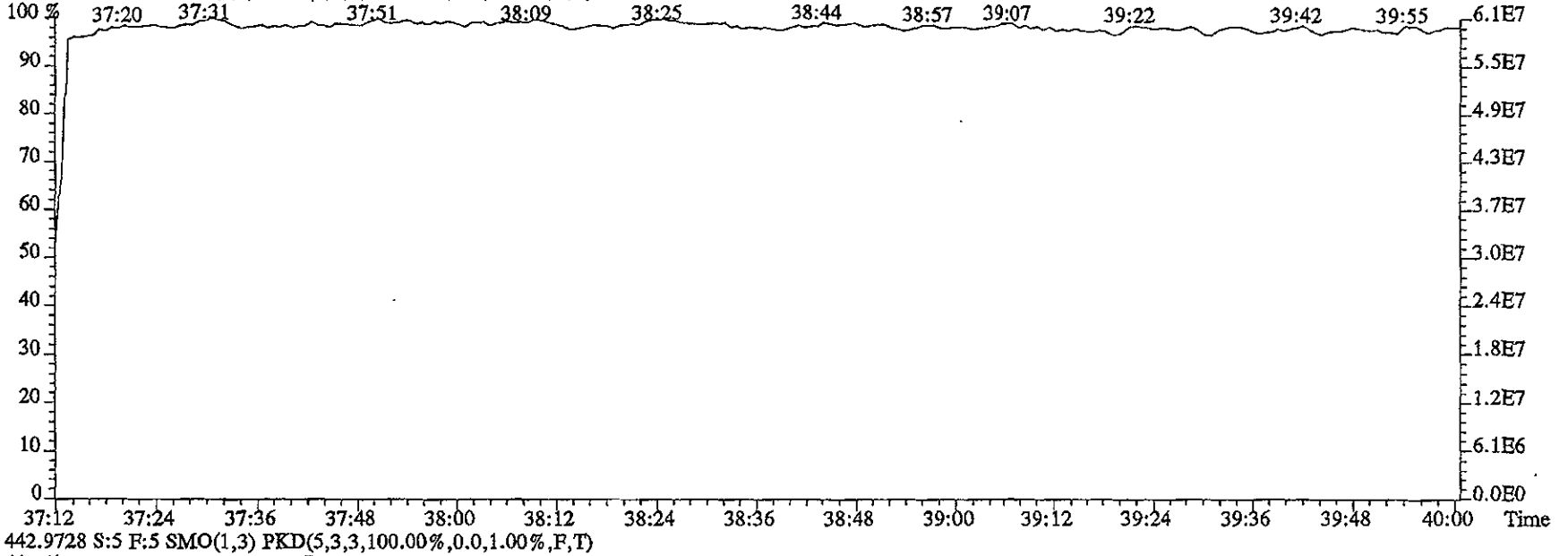


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES

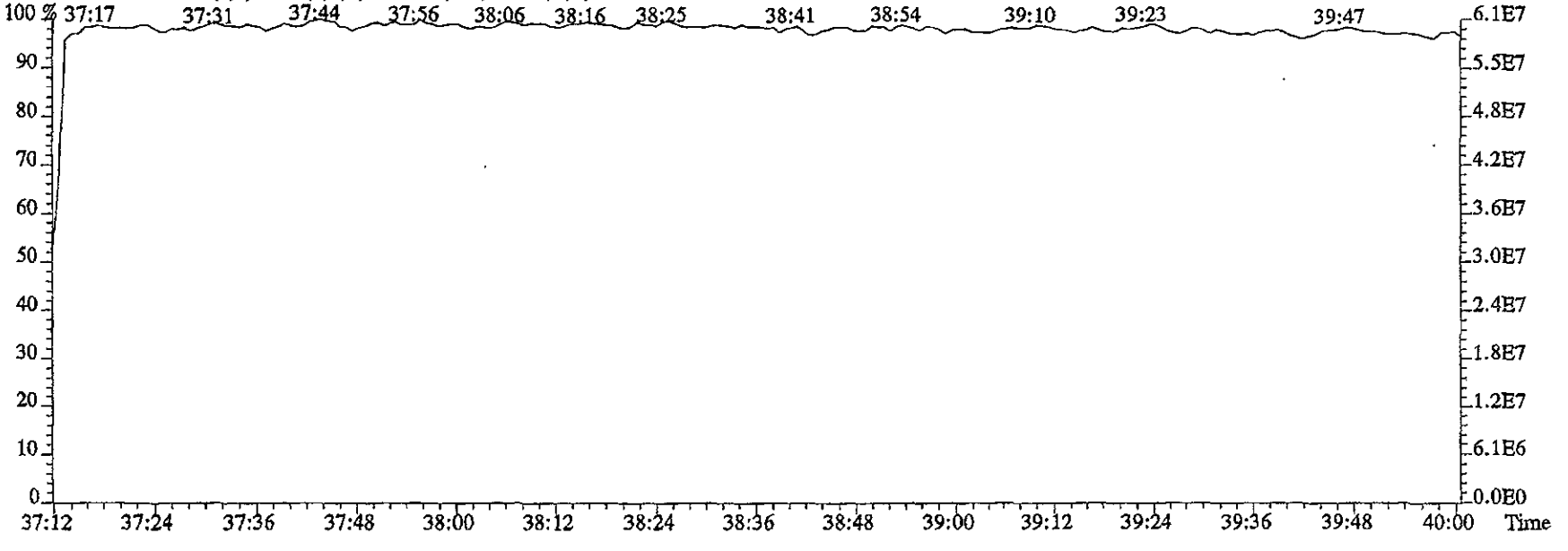


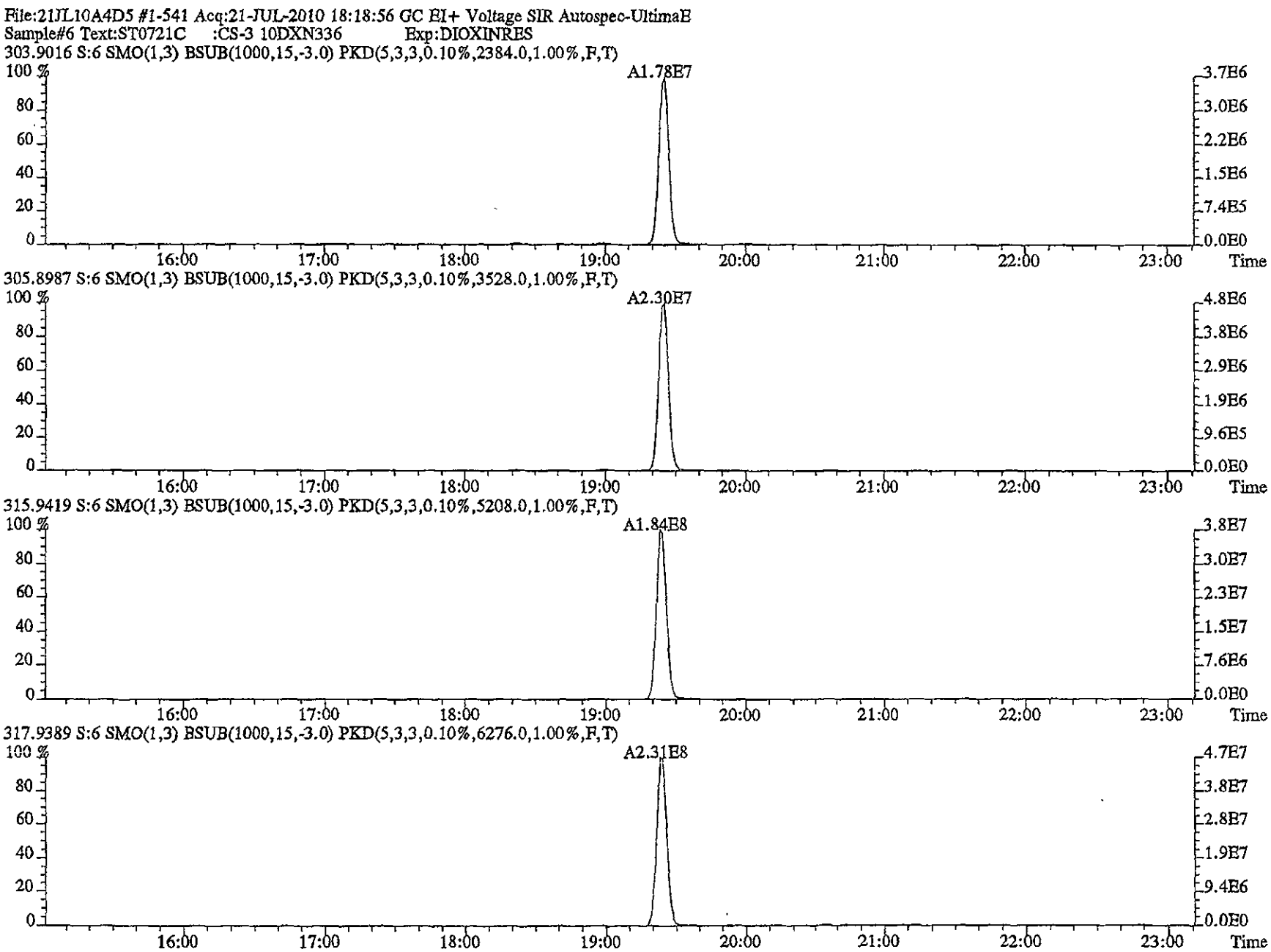


File:21JL10A4D5 #1-228 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

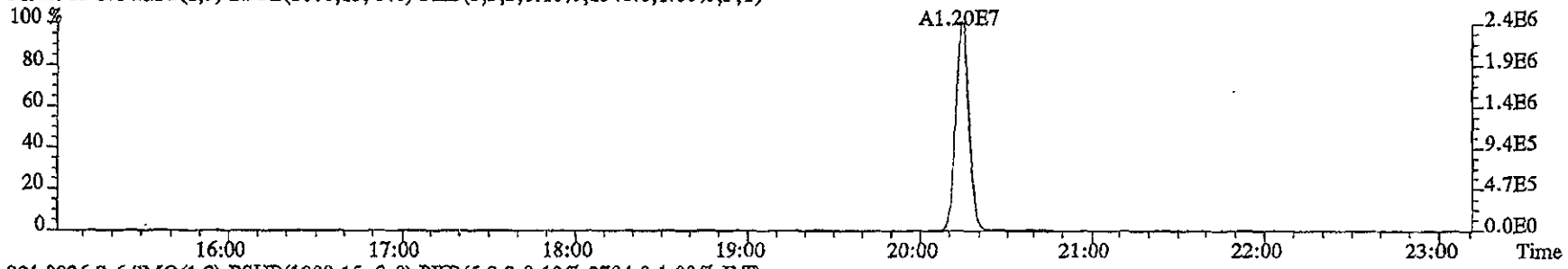


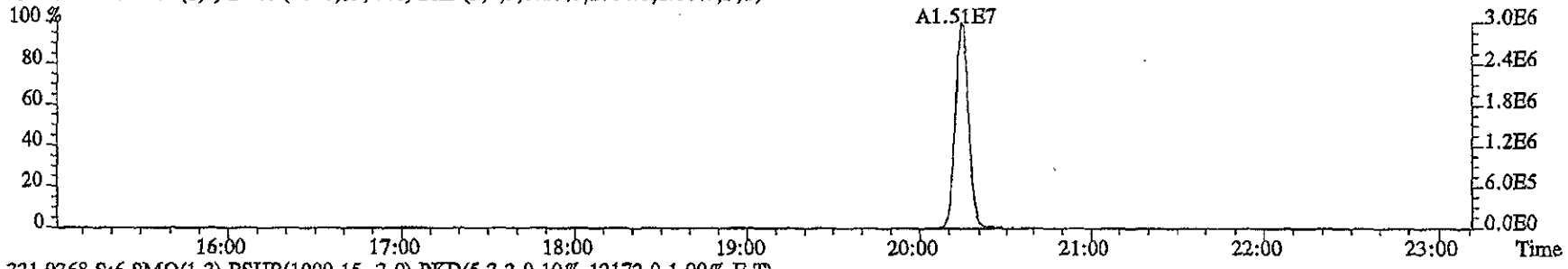
442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

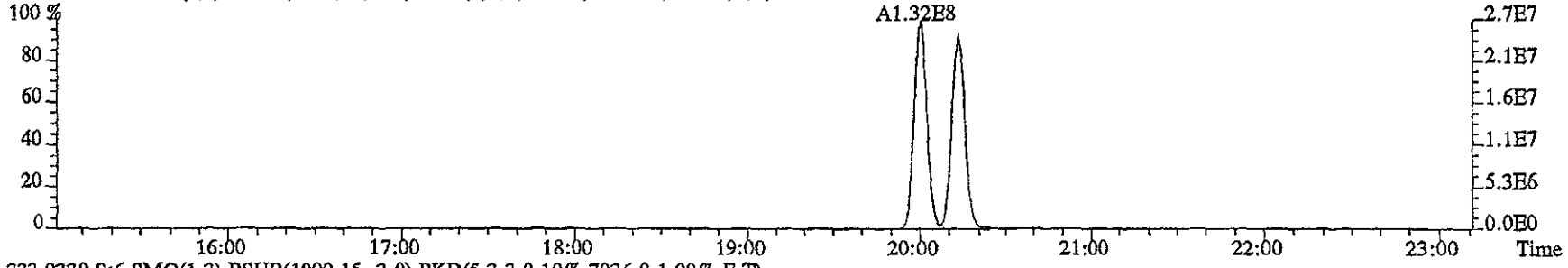


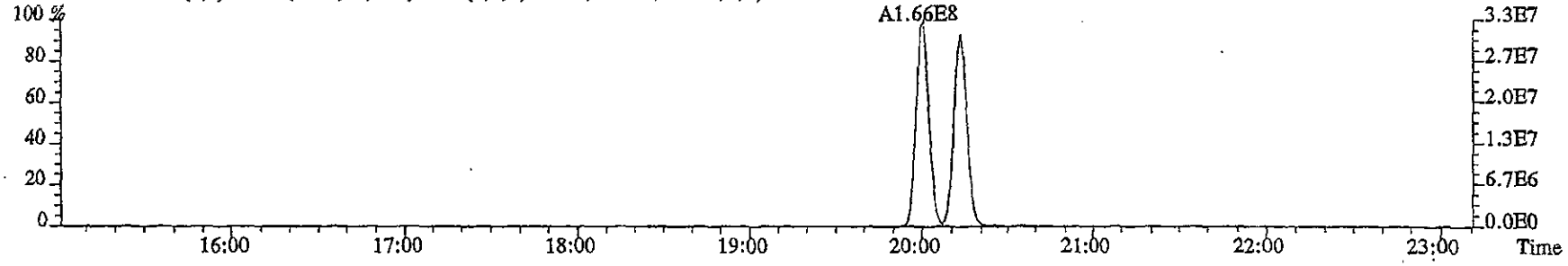


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

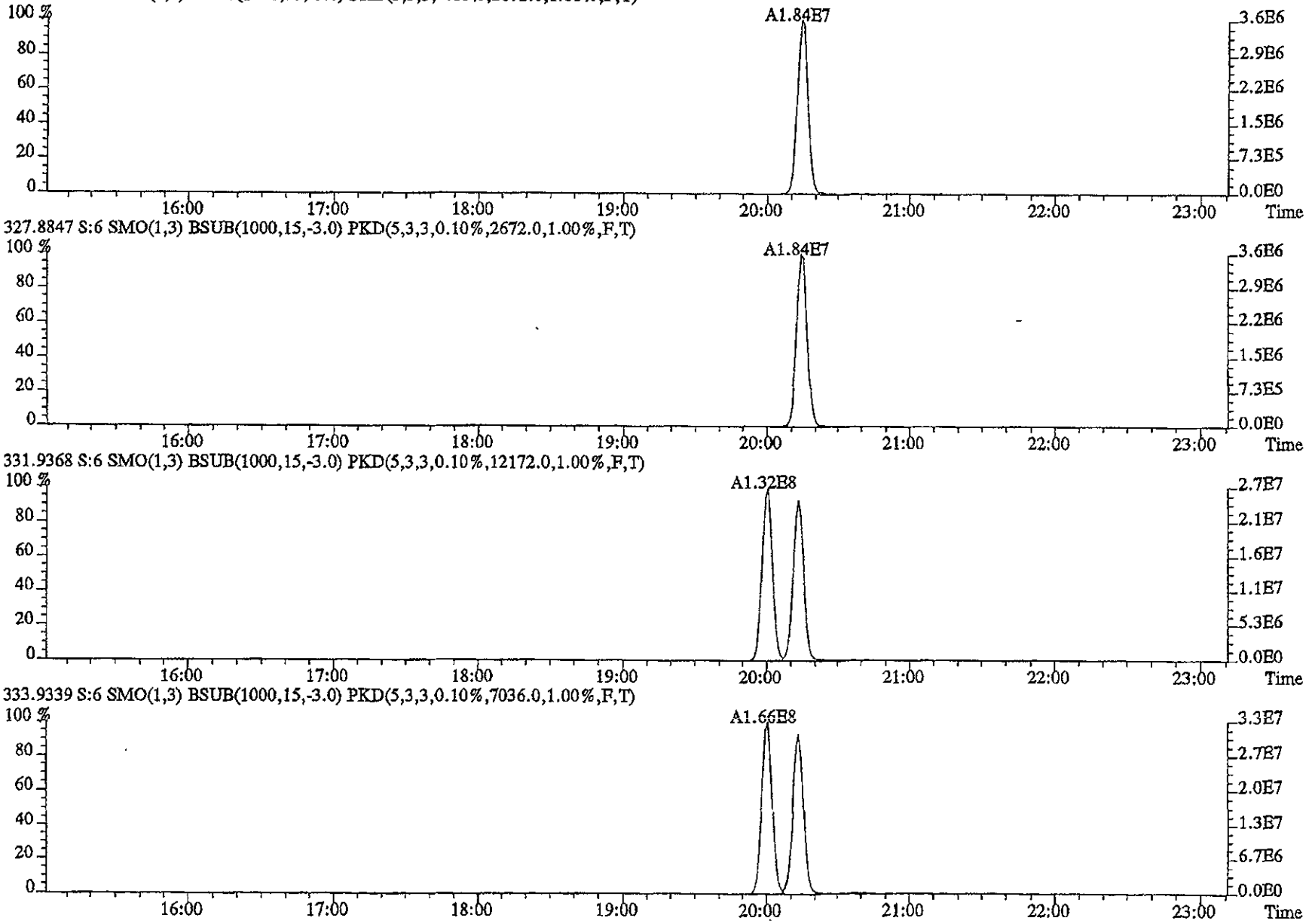




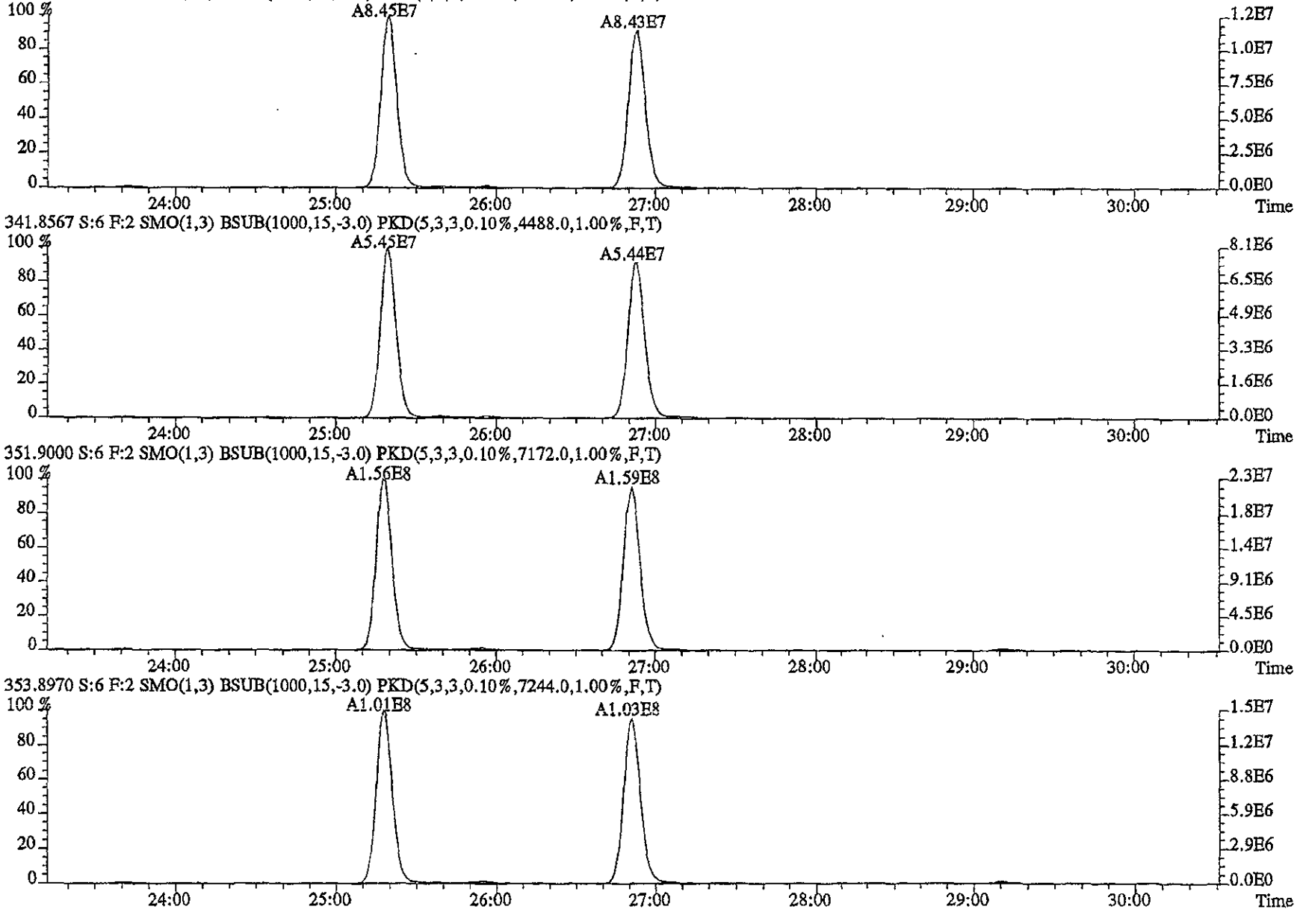




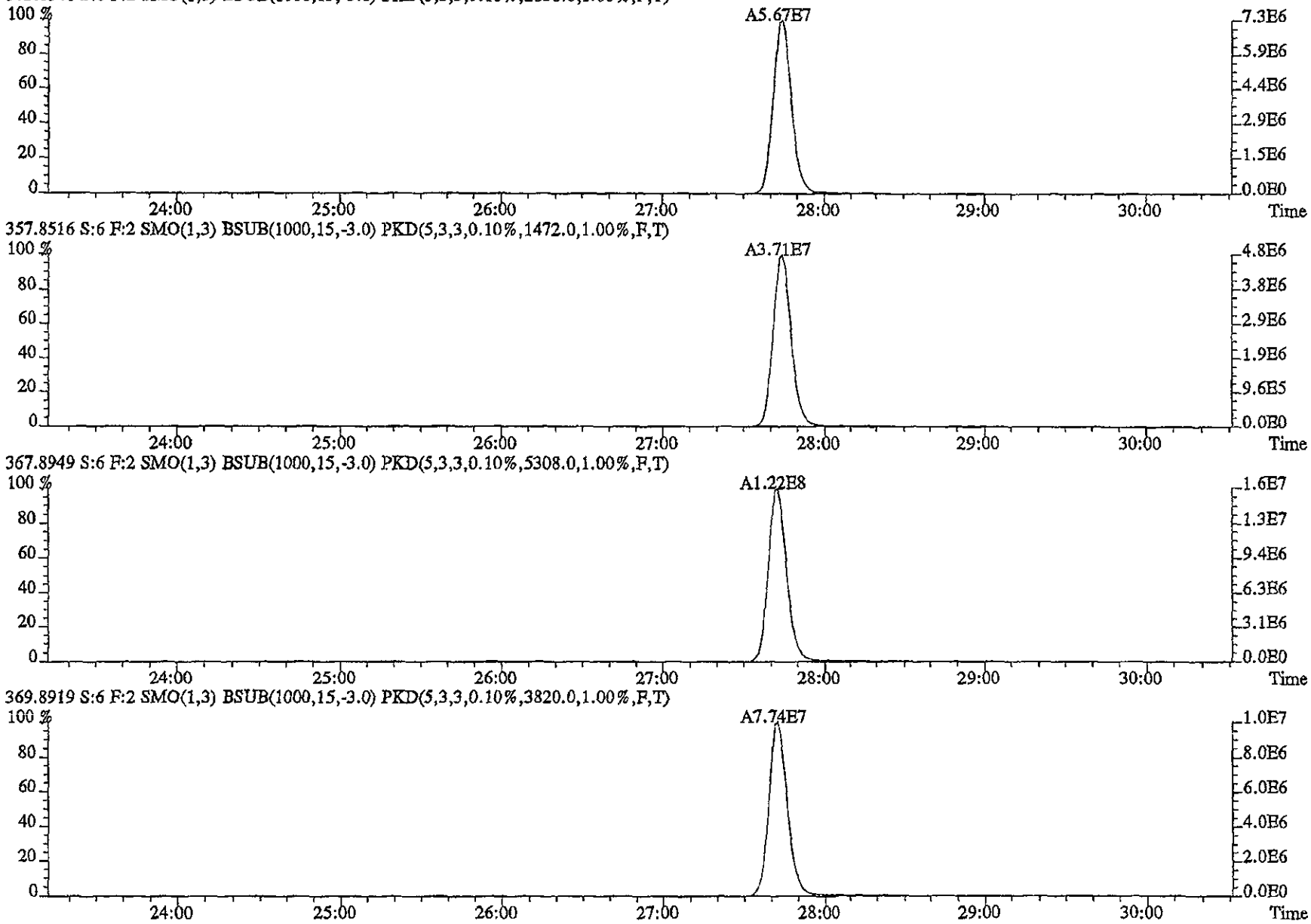
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



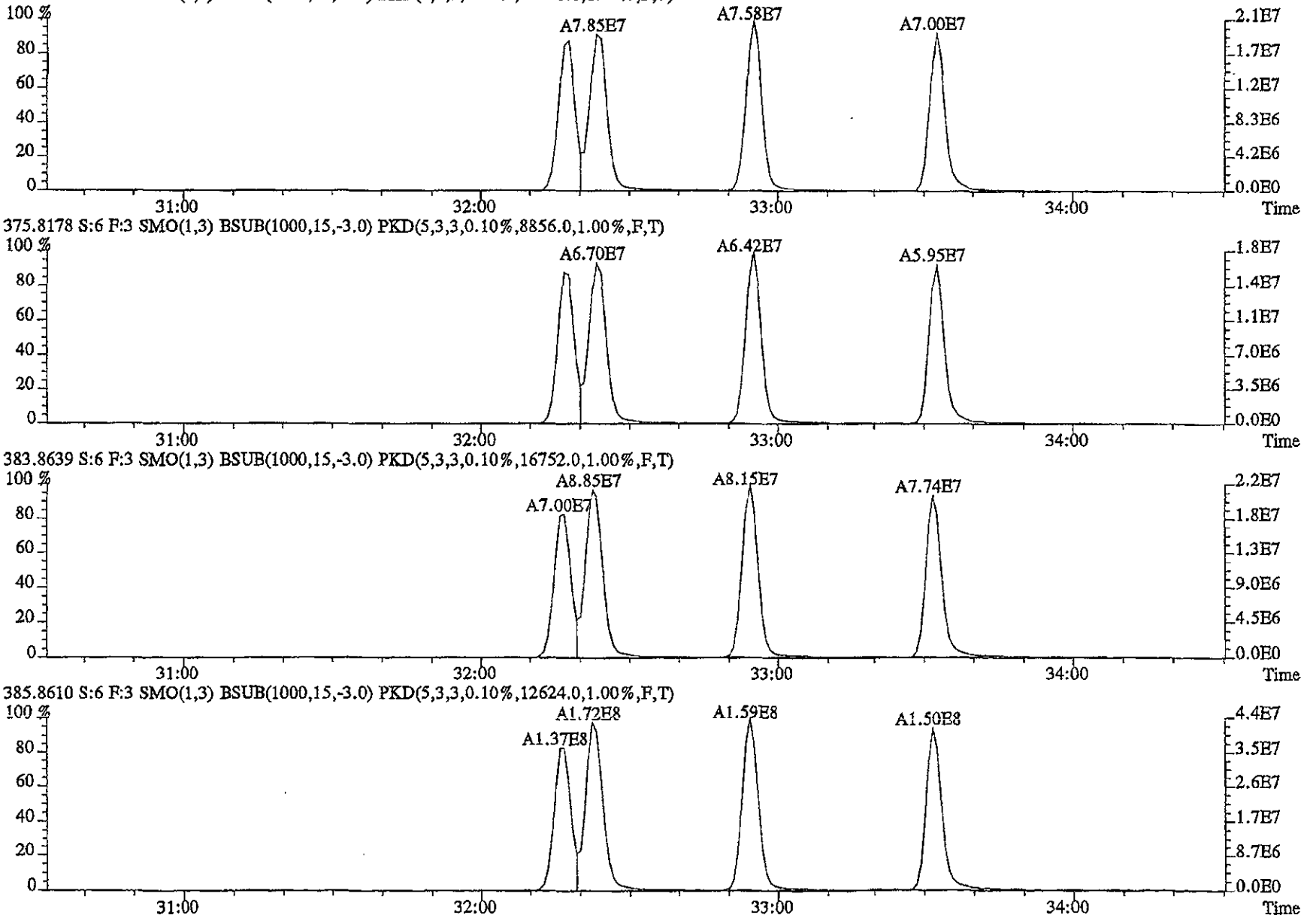
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



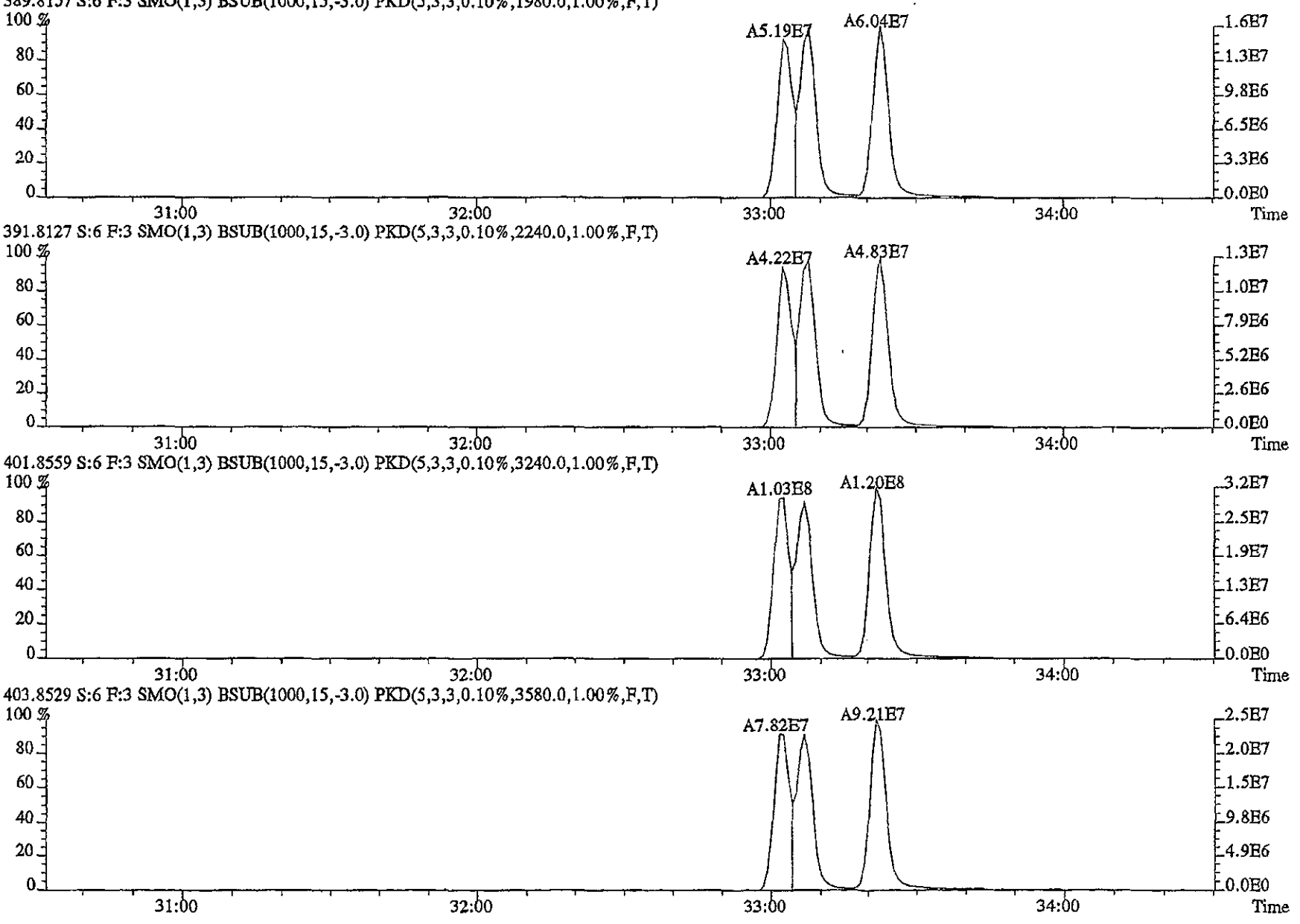
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



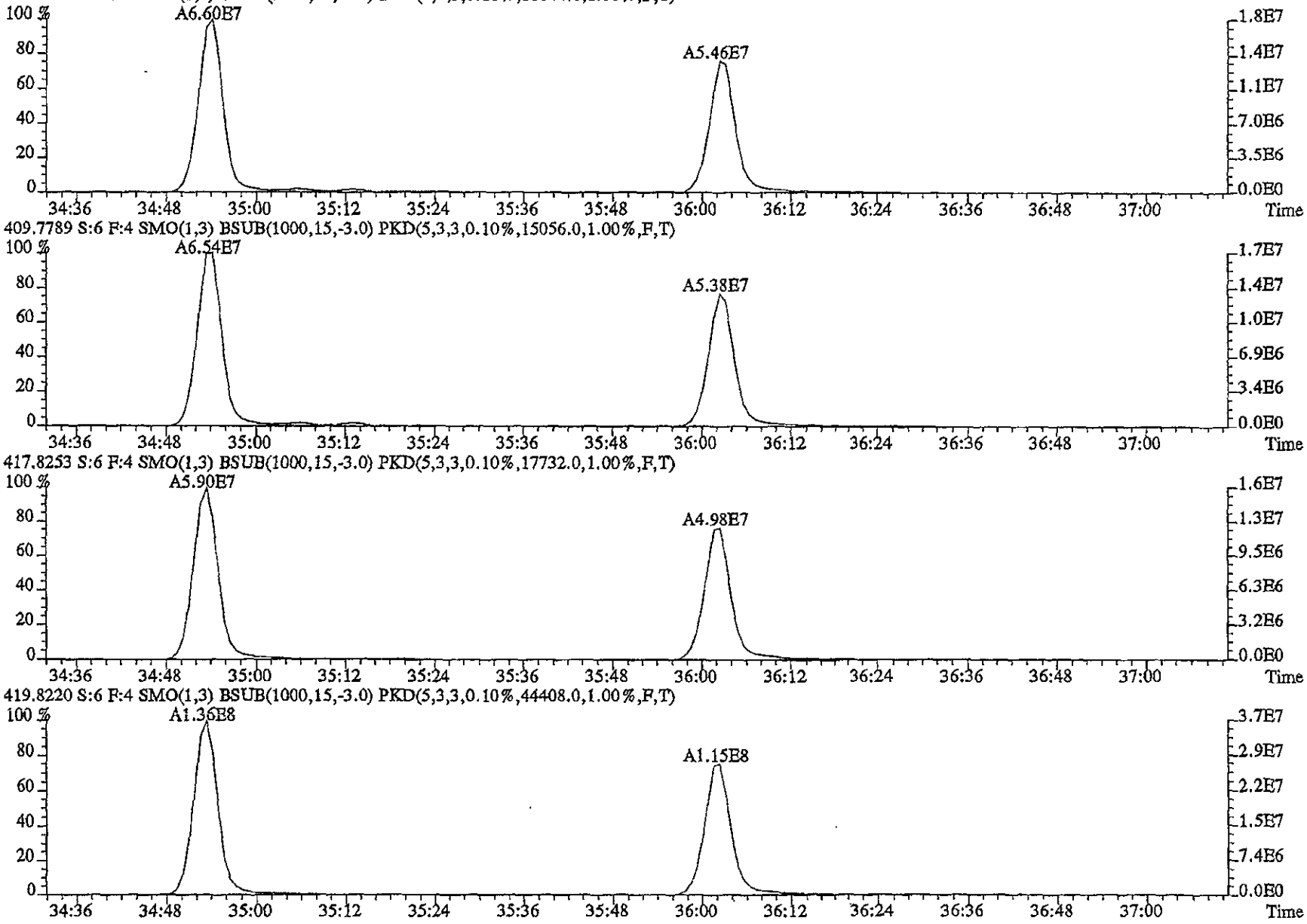
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

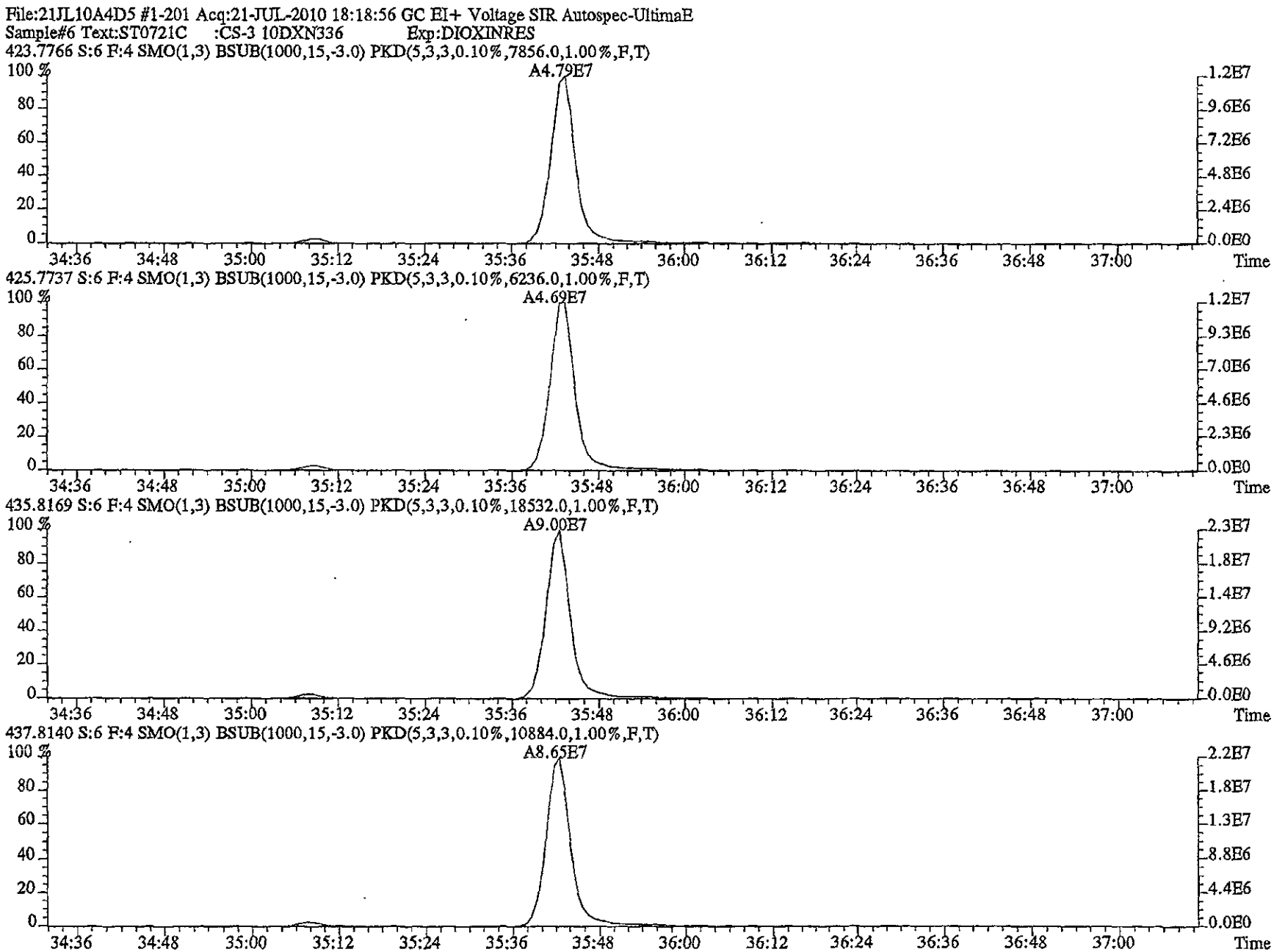


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



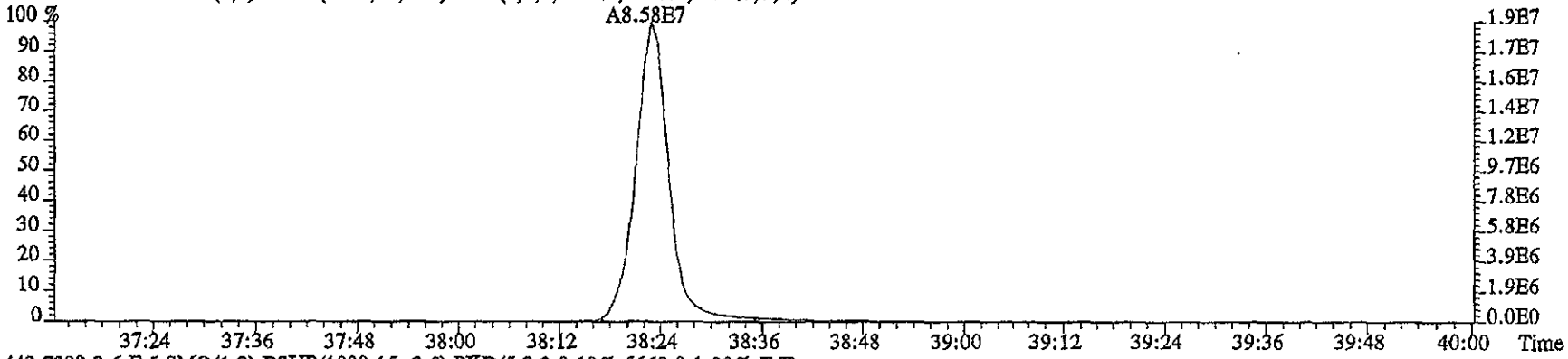
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES



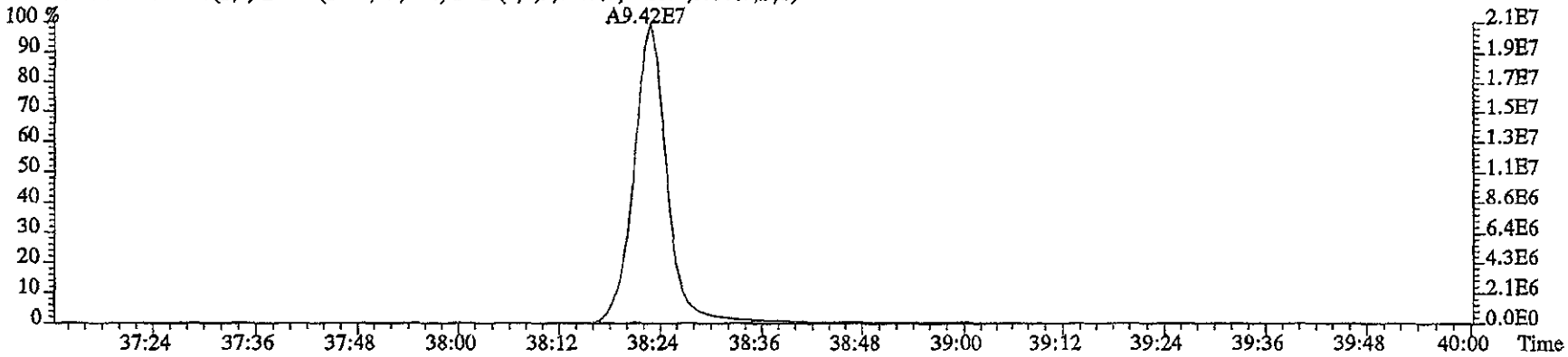

File:21JL10A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7856.0,1.00%,F,T)
A4.79E7
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6236.0,1.00%,F,T)
A4.69E7
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)
A9.00E7
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)
A8.65E7
100 %
80
60
40
20
0
34:36
34:48
35:00
35:12
35:24
35:36
35:48
36:00
36:12
36:24
36:36
36:48
37:00
Time
1.2E7
9.6E6
7.2E6
4.8E6
2.4E6
0.0E0
9.3E6
7.0E6
4.6E6
2.3E6
2.3E7
1.8E7
1.4E7
9.2E6
4.6E6
2.2E7
1.3E7
8.8E6
4.4E6

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

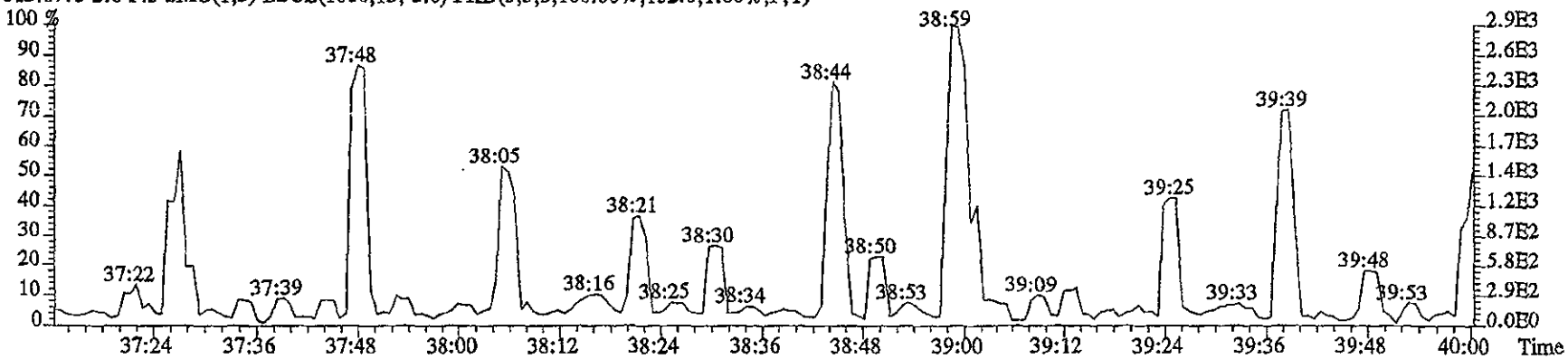
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3800.0,1.00%,F,T)

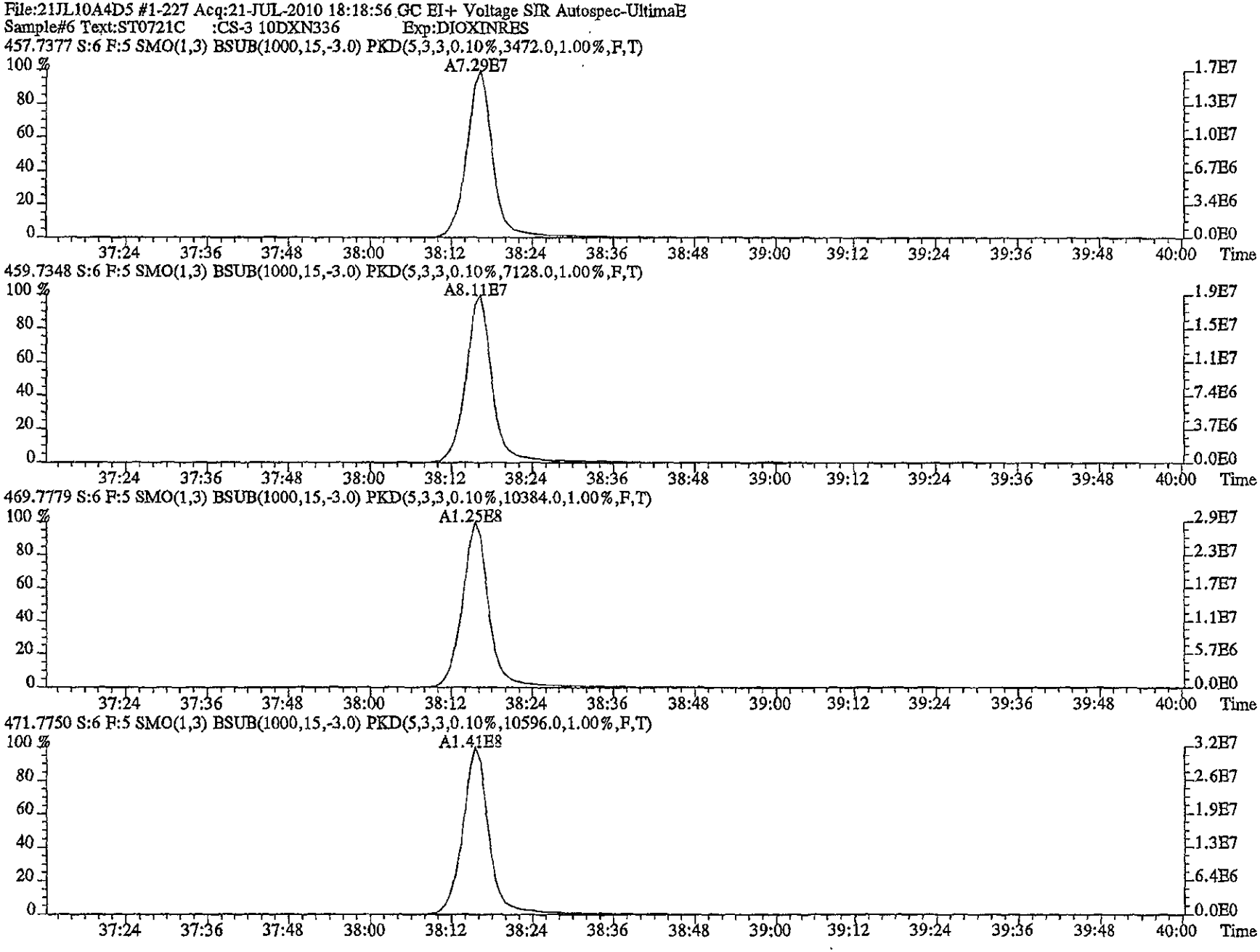


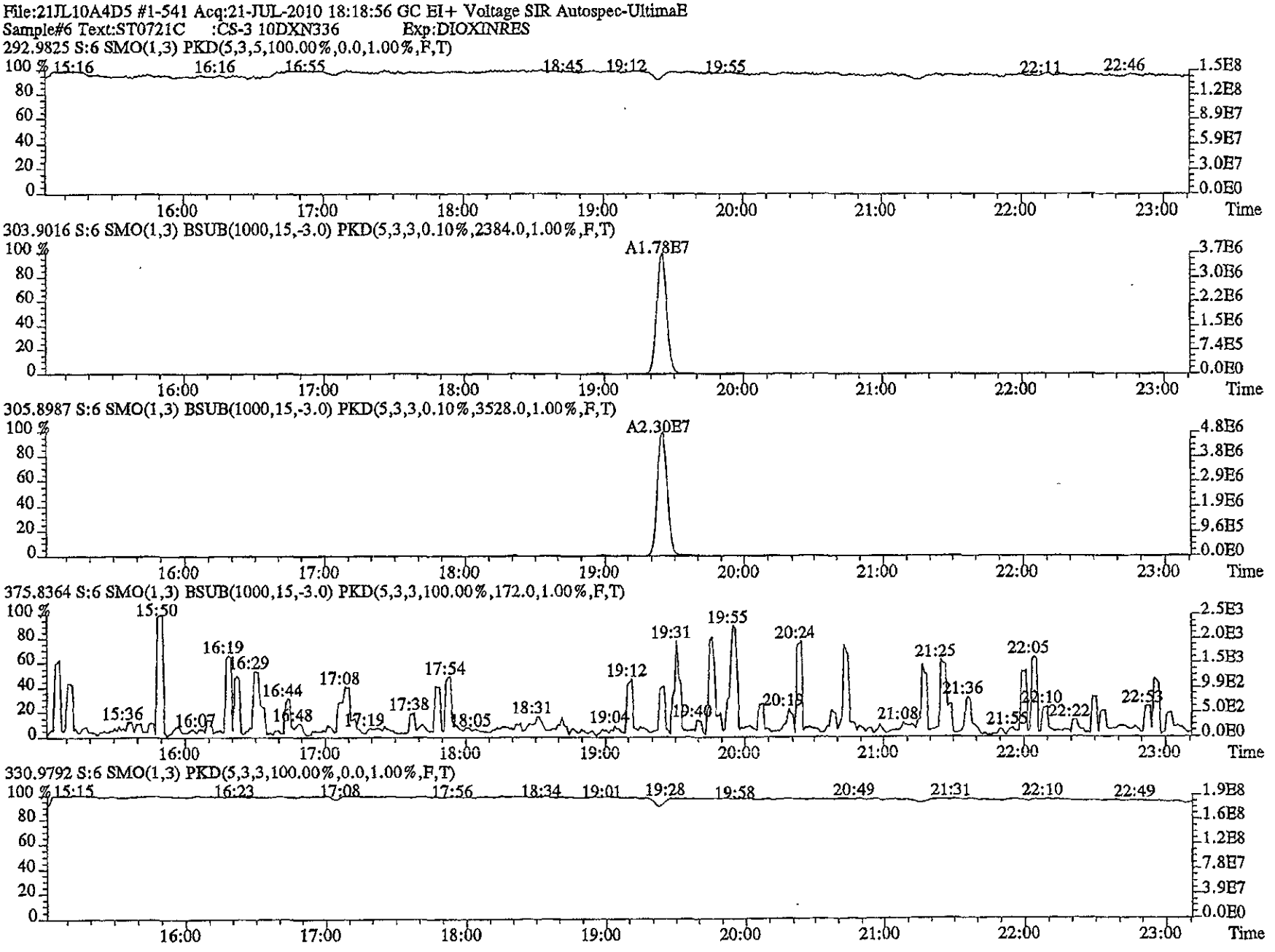
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5668.0,1.00%,F,T)



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)

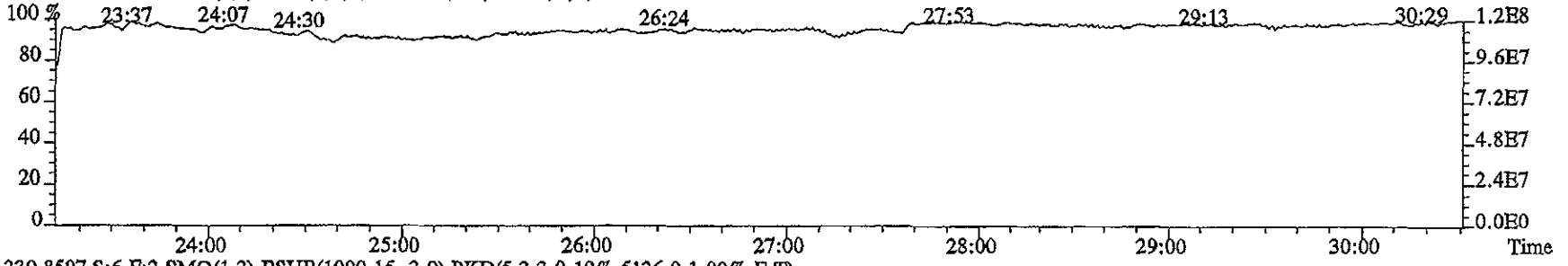




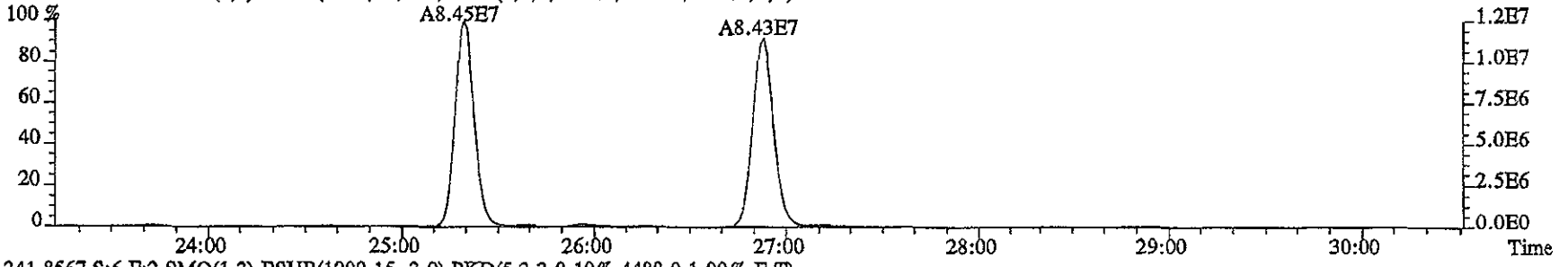

File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
292.9825 S:6 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)
A1.78E7
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3528.0,1.00%,F,T)
A2.30E7
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,172.0,1.00%,F,T)
330.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

File: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

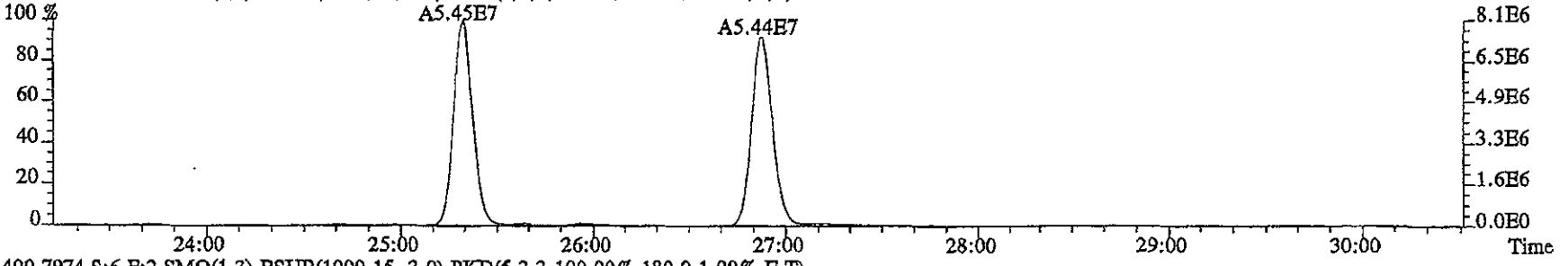
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



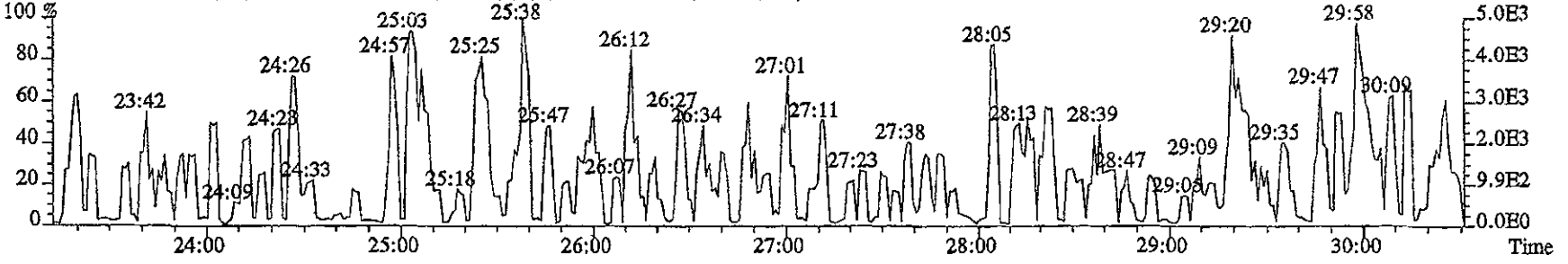
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5136.0,1.00%,F,T)



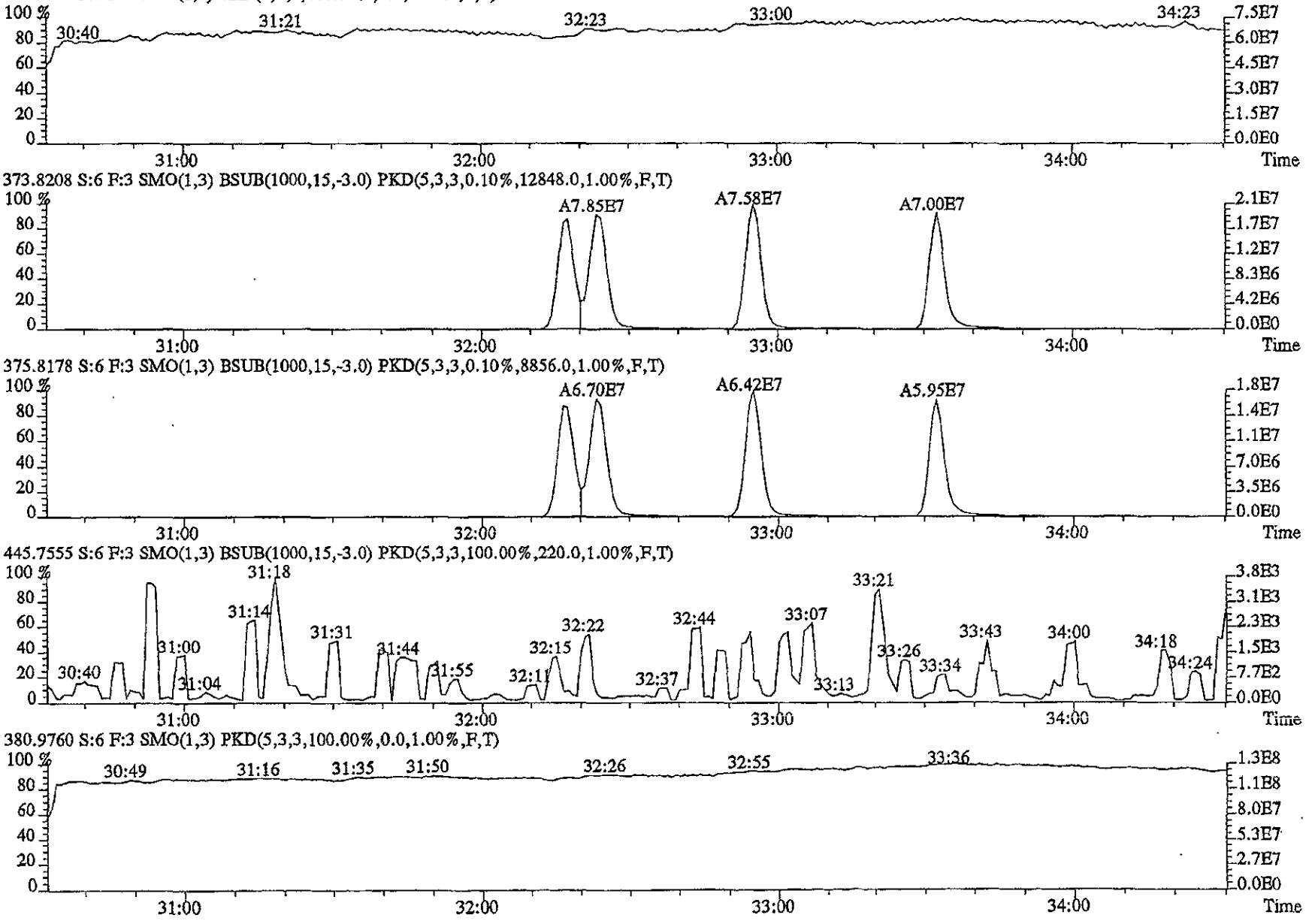
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4488.0,1.00%,F,T)

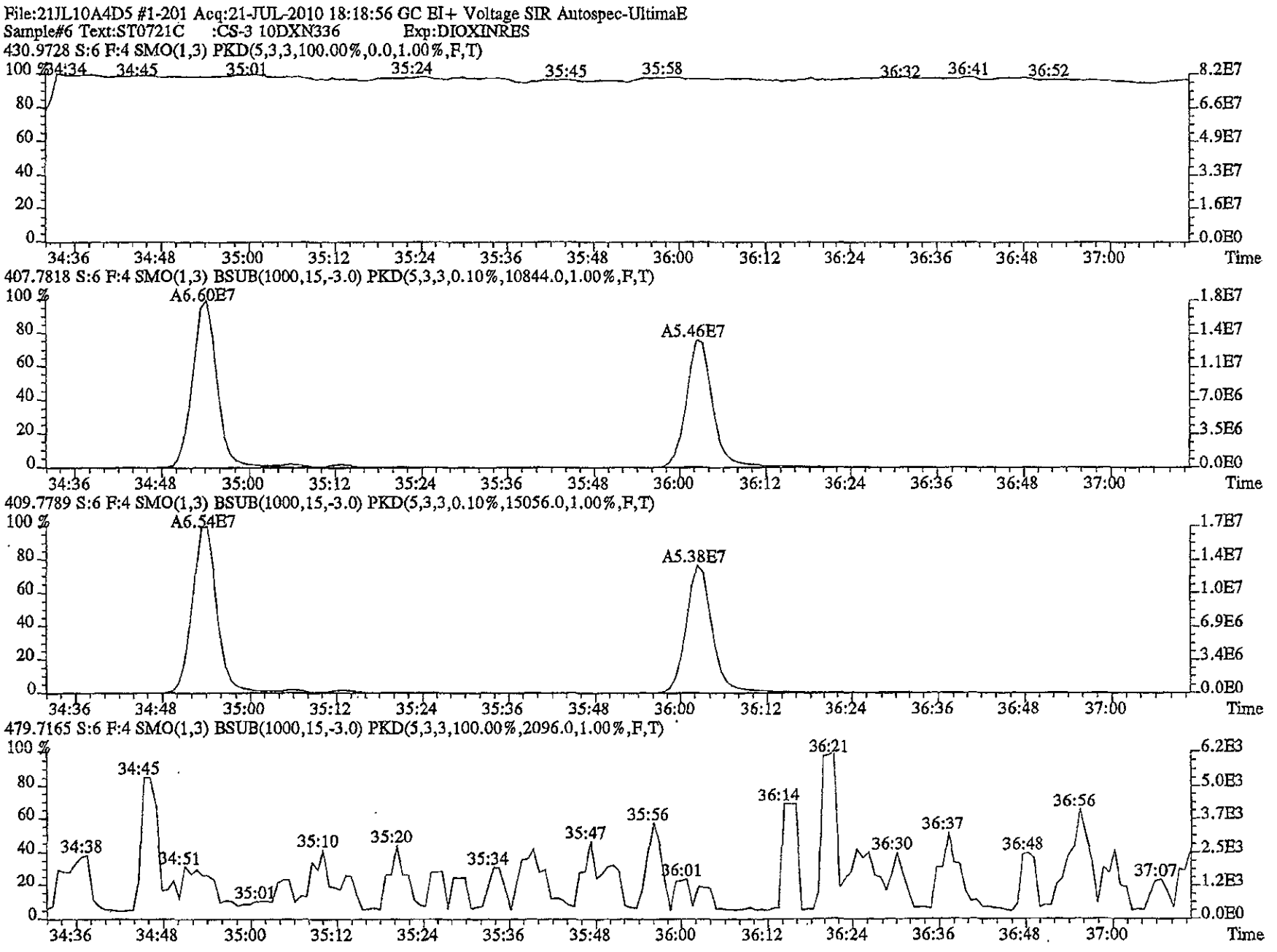


409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,180.0,1.00%,F,T)

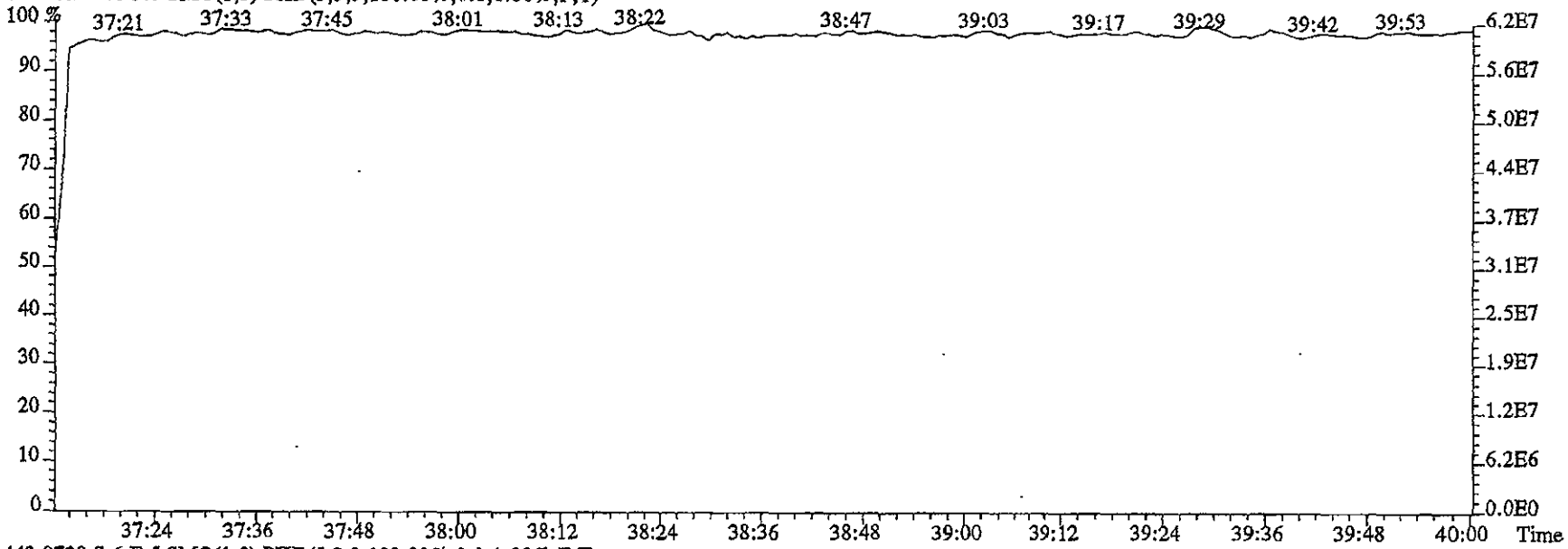


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES

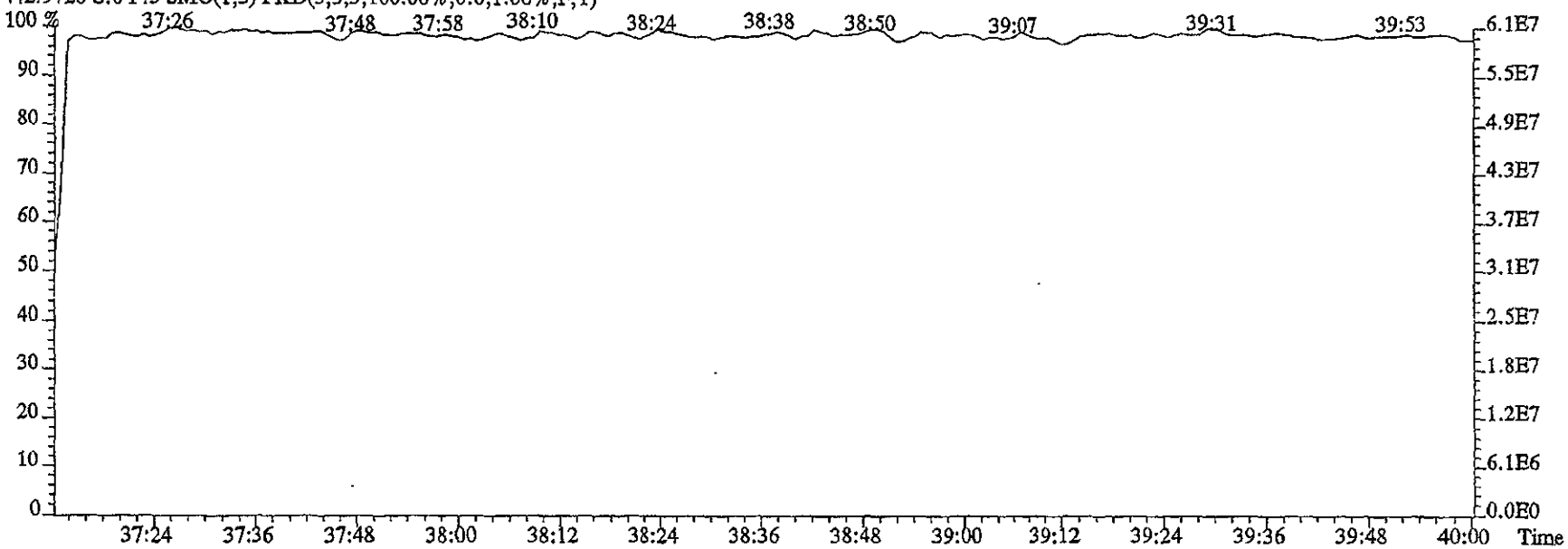



File:21JL10A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10844.0,1.00%,F,T)
A6.60E7
A5.46E7
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15056.0,1.00%,F,T)
A6.54E7
A5.38E7
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2096.0,1.00%,F,T)
Time

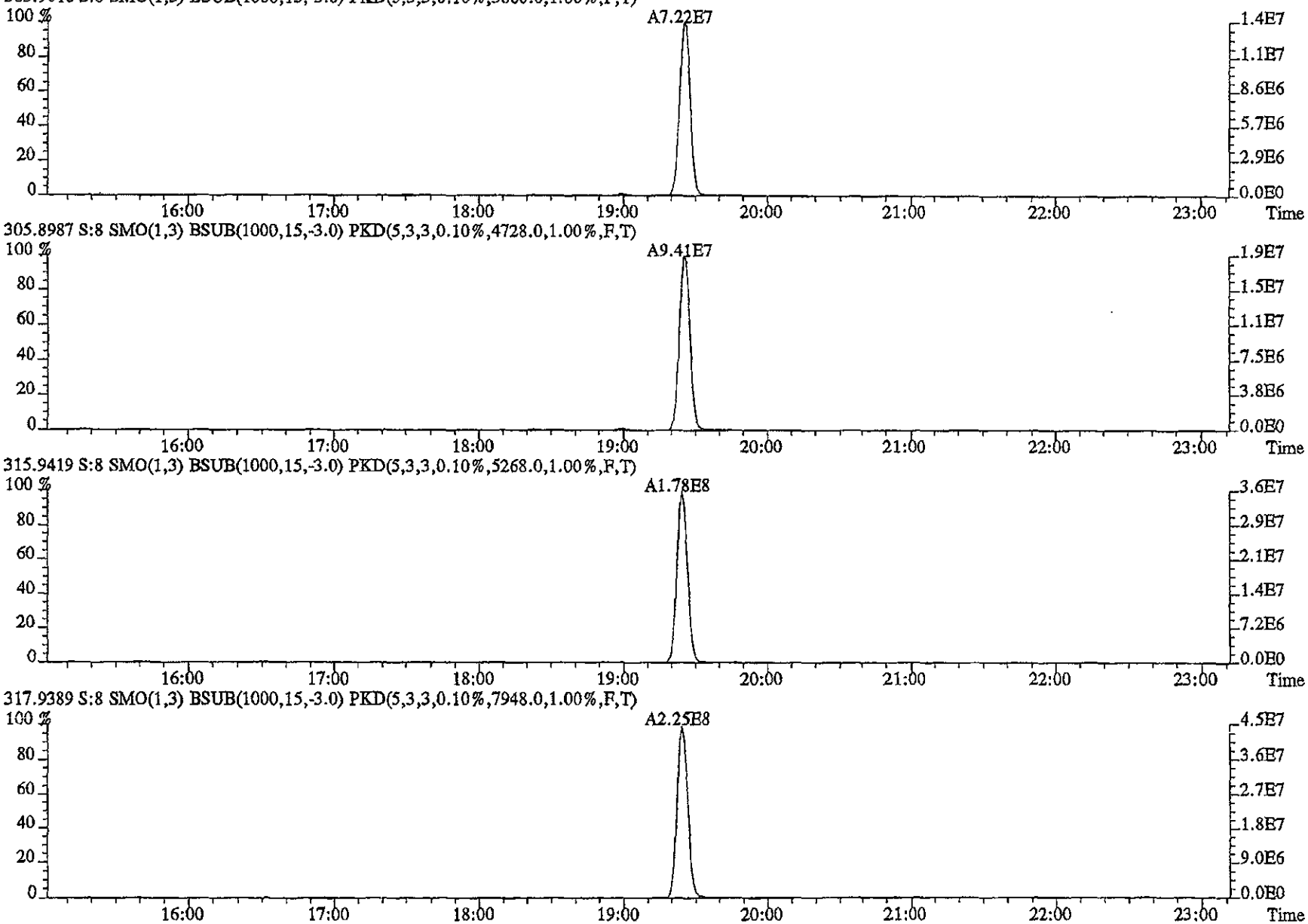
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



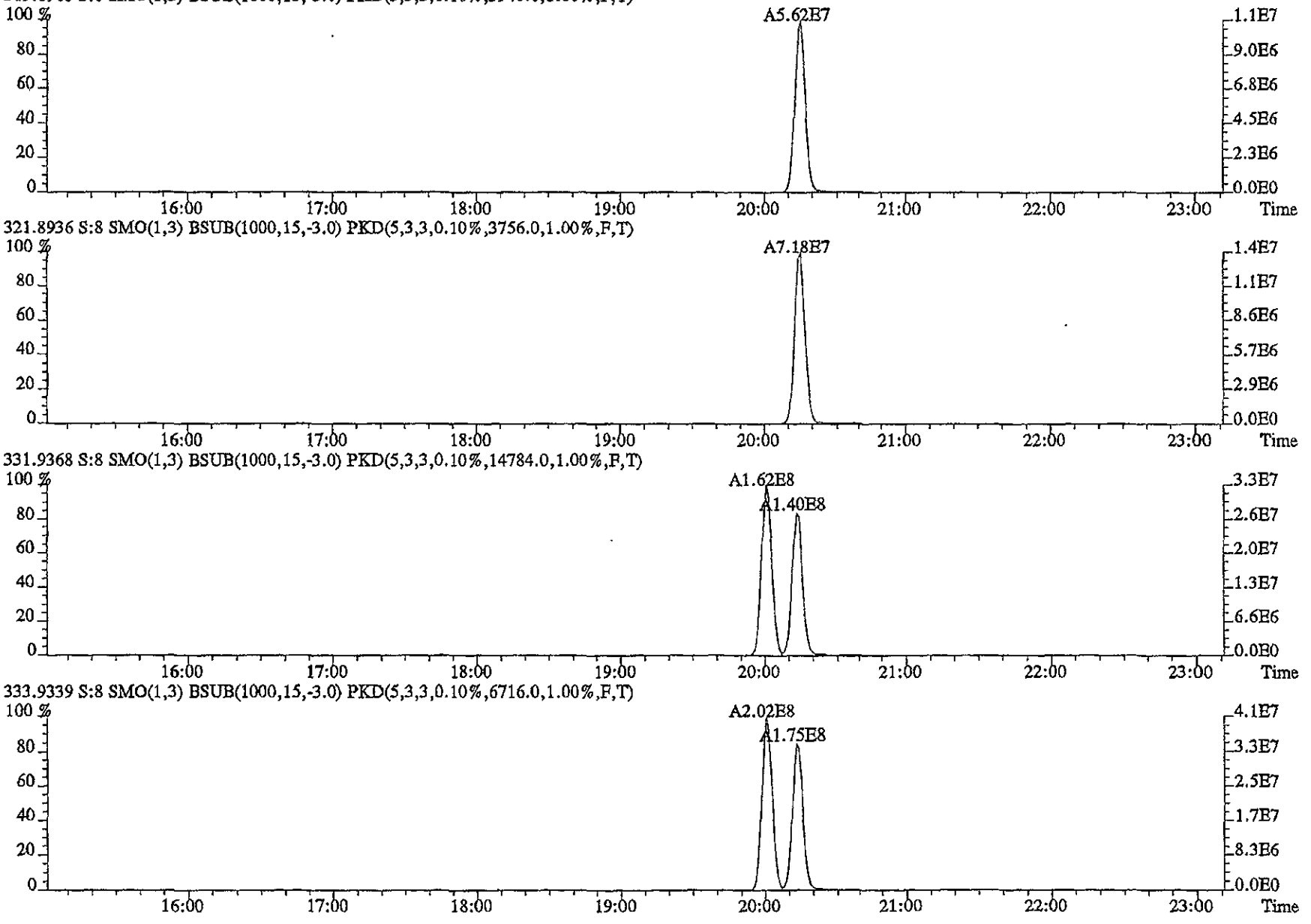
442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



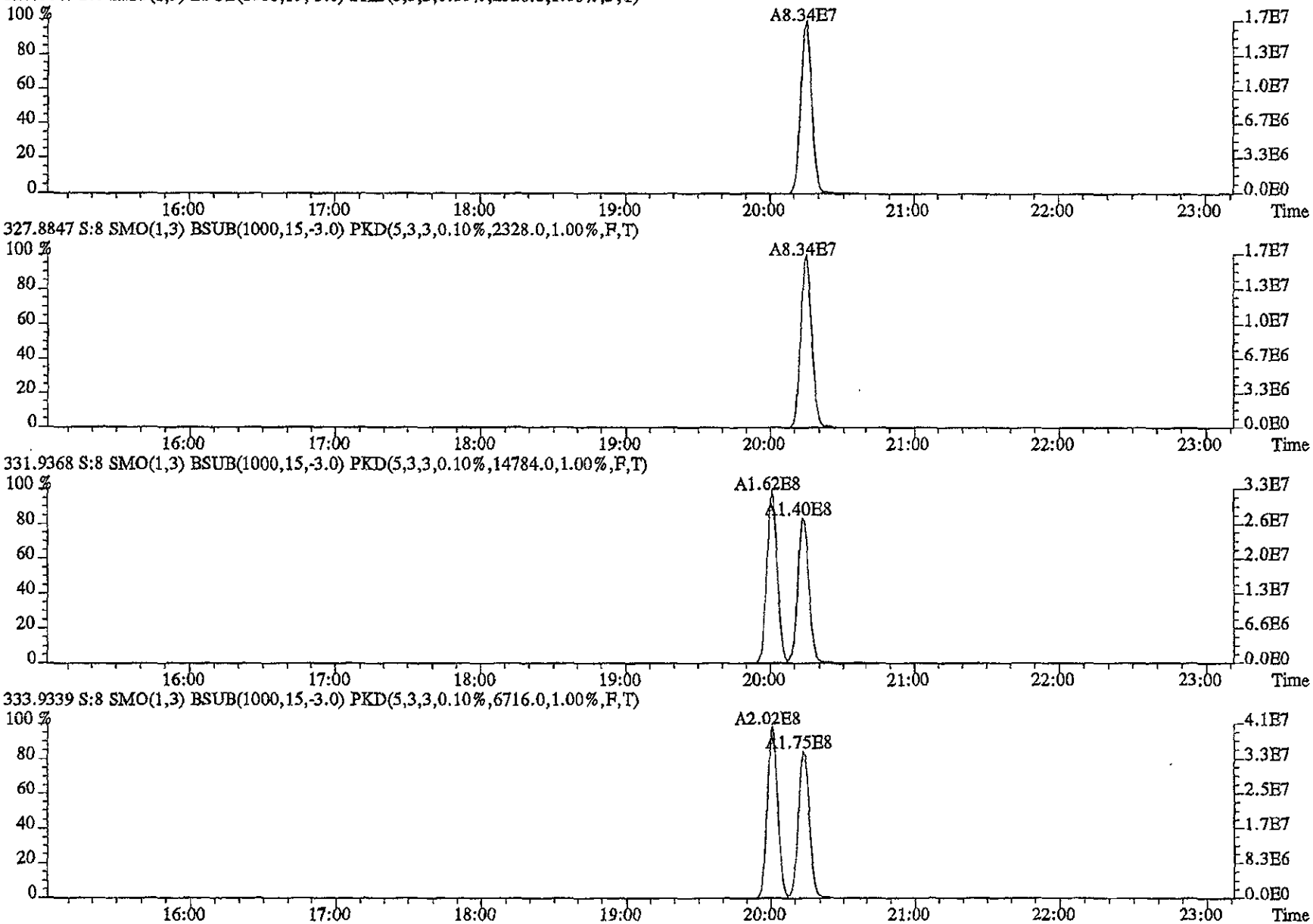
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



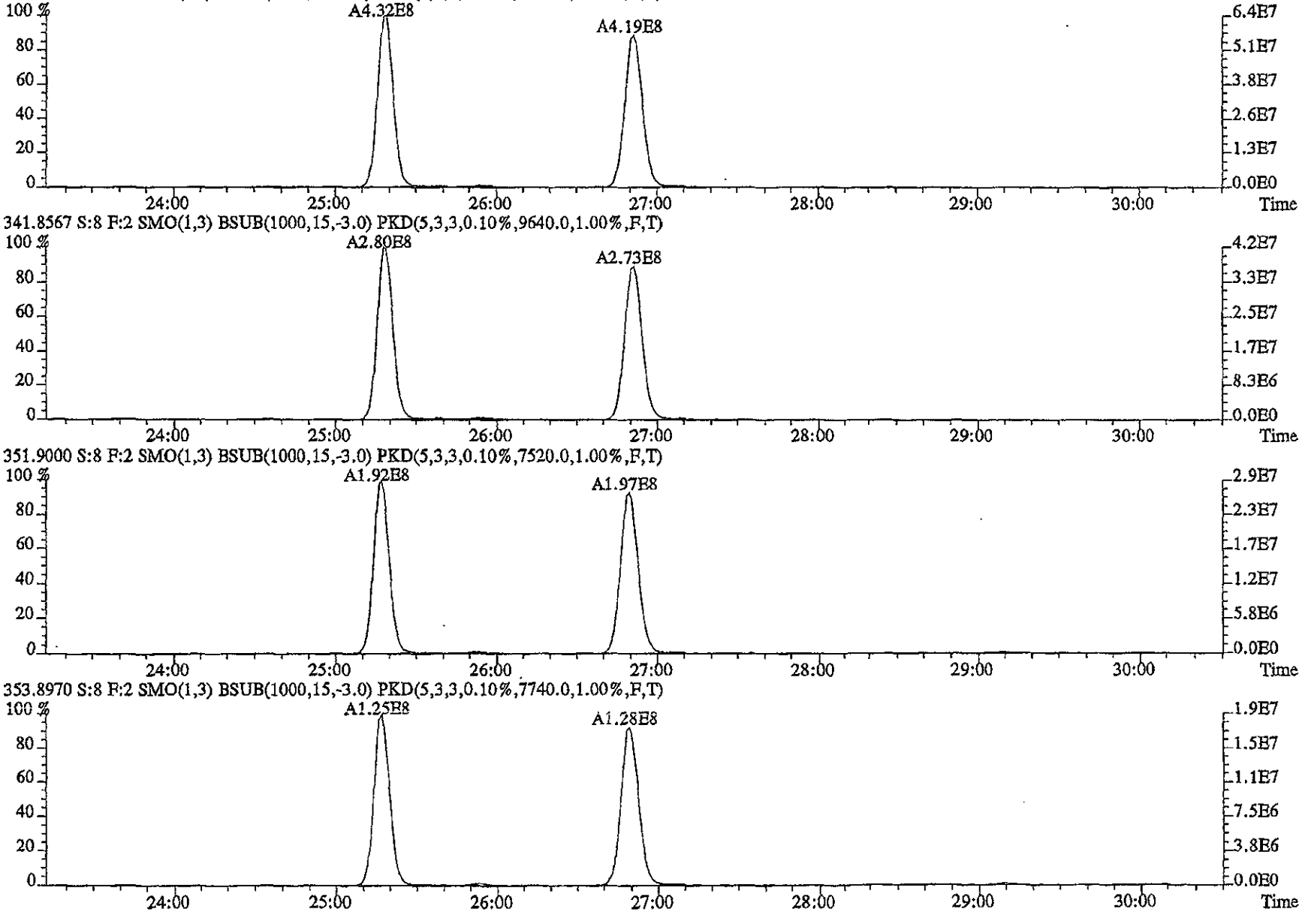
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



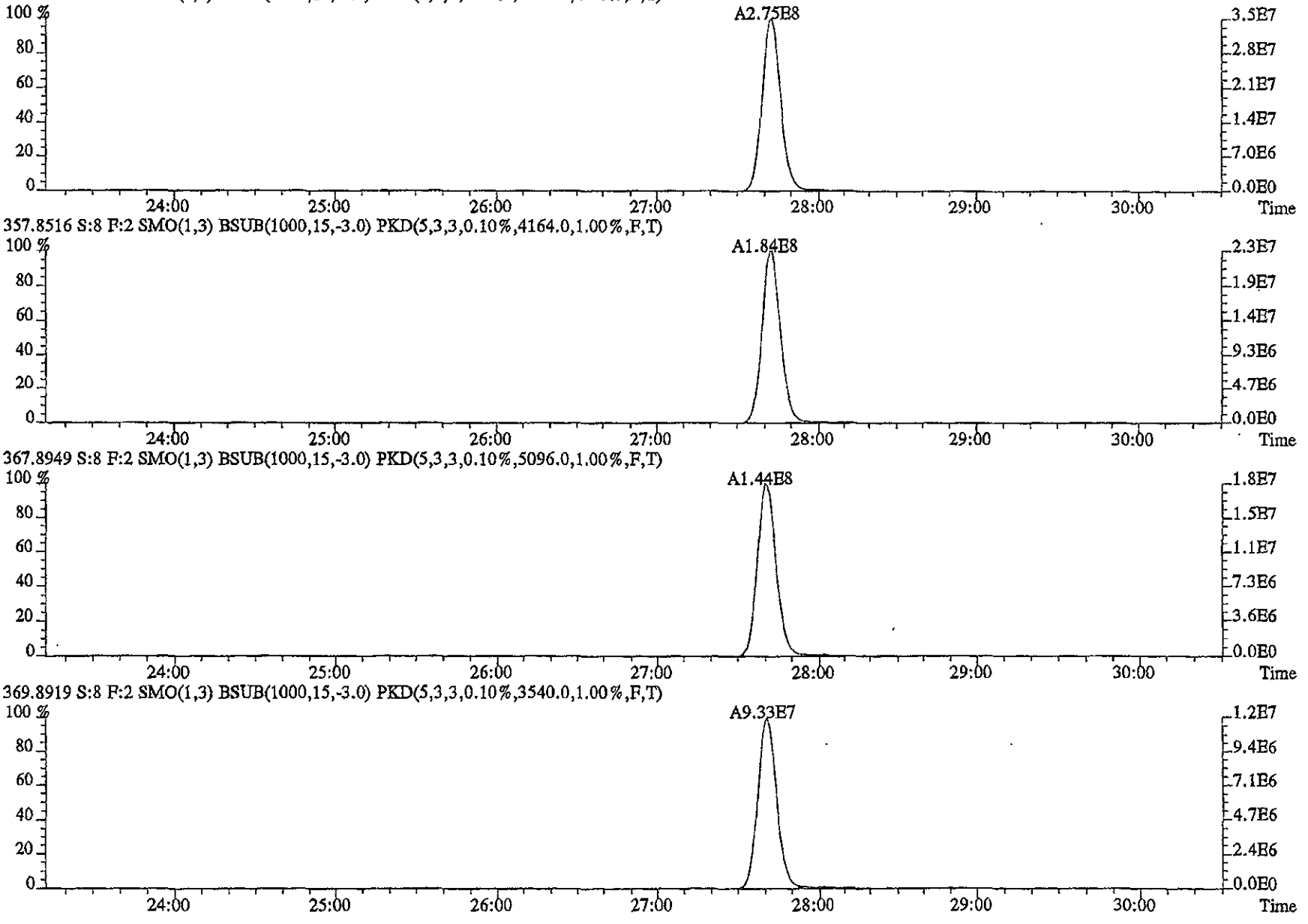
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



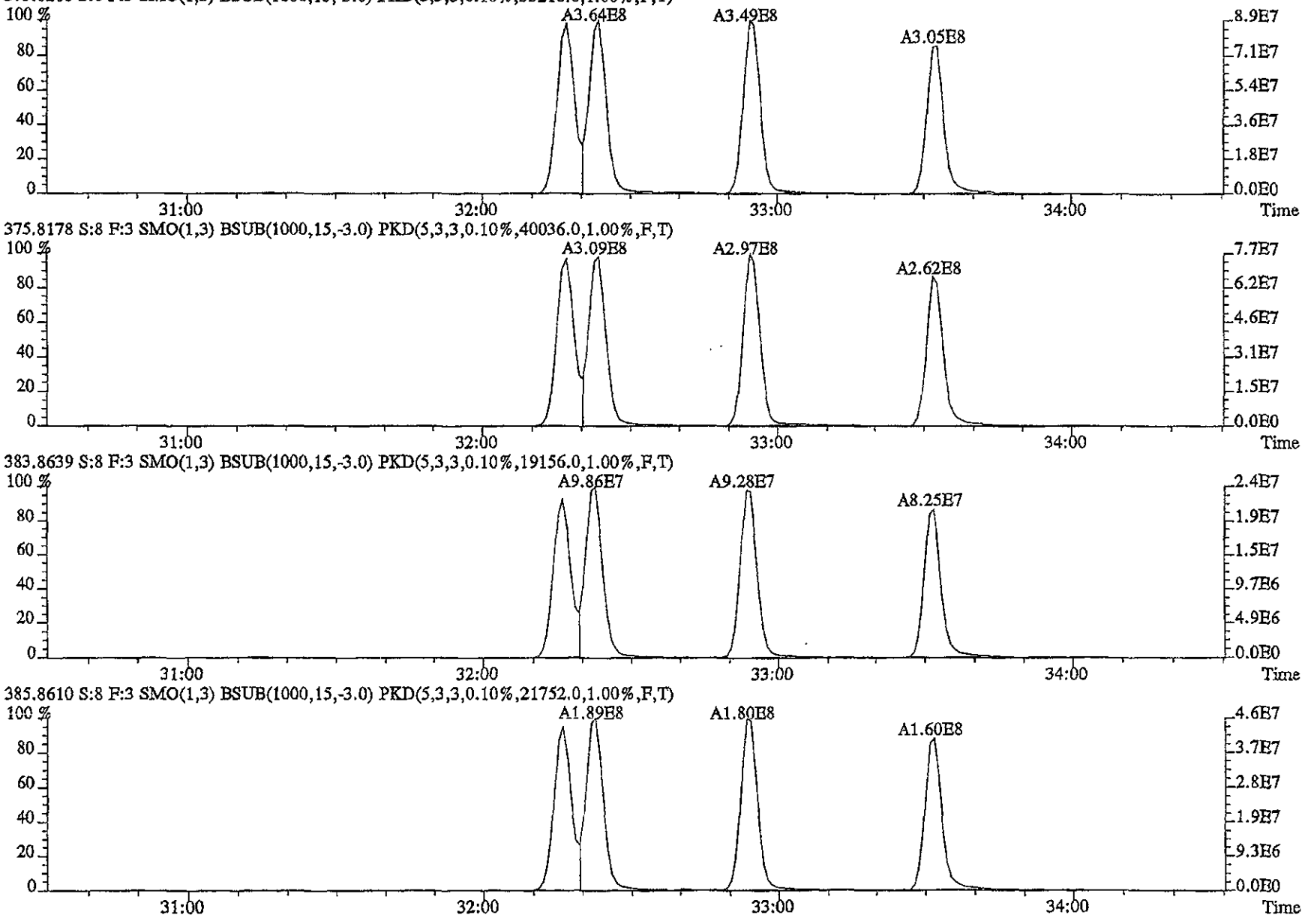
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



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

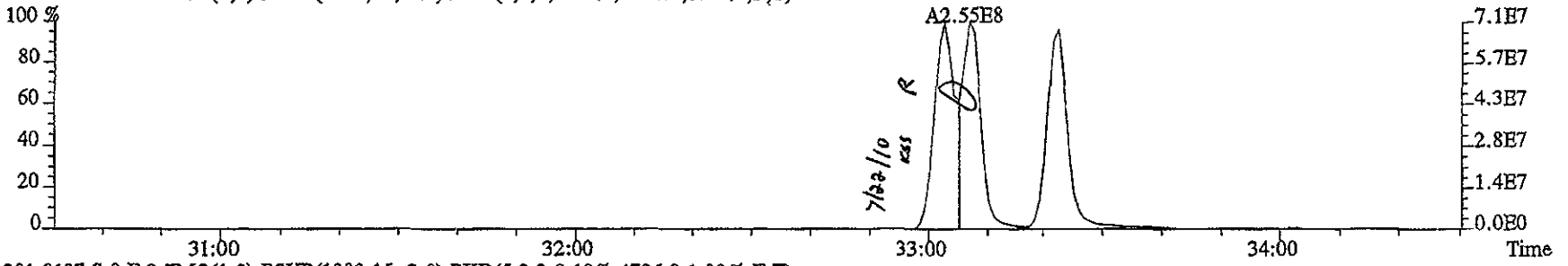


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

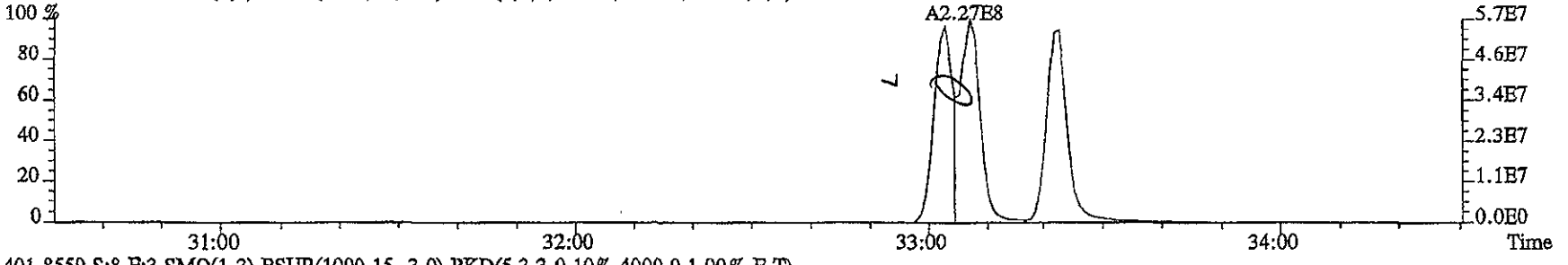


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

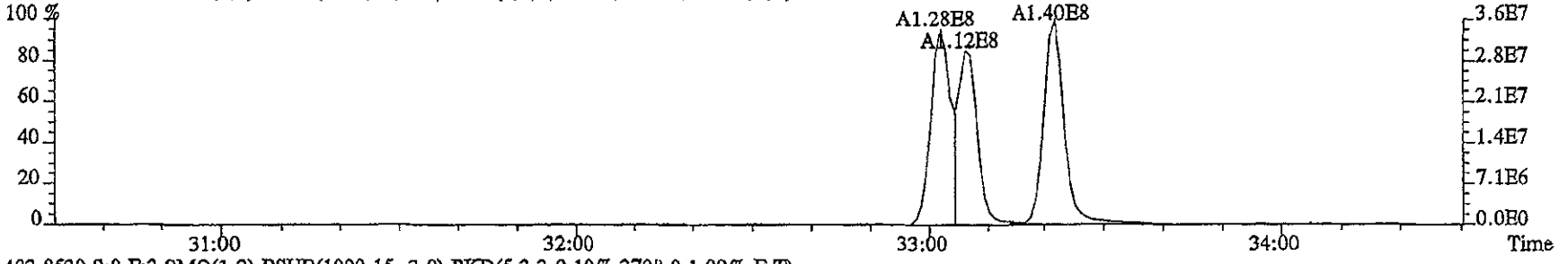
389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2644.0,1.00%,F,T)



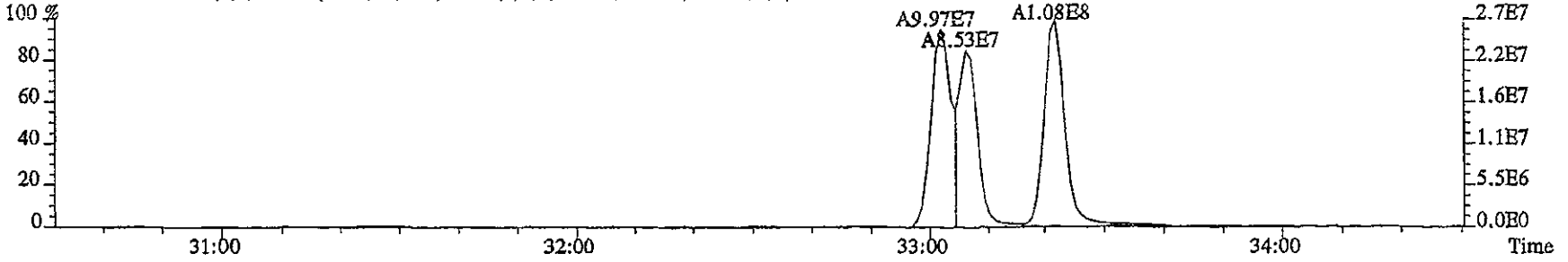
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4736.0,1.00%,F,T)



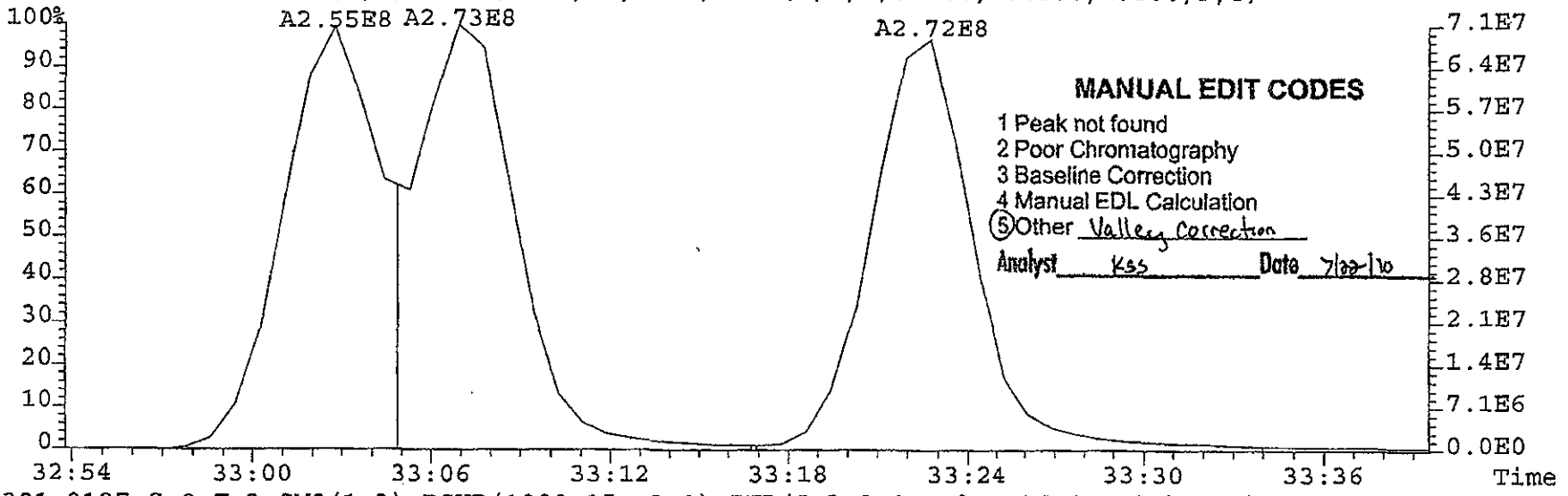
401.8559 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4000.0,1.00%,F,T)



403.8529 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3708.0,1.00%,F,T)



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)

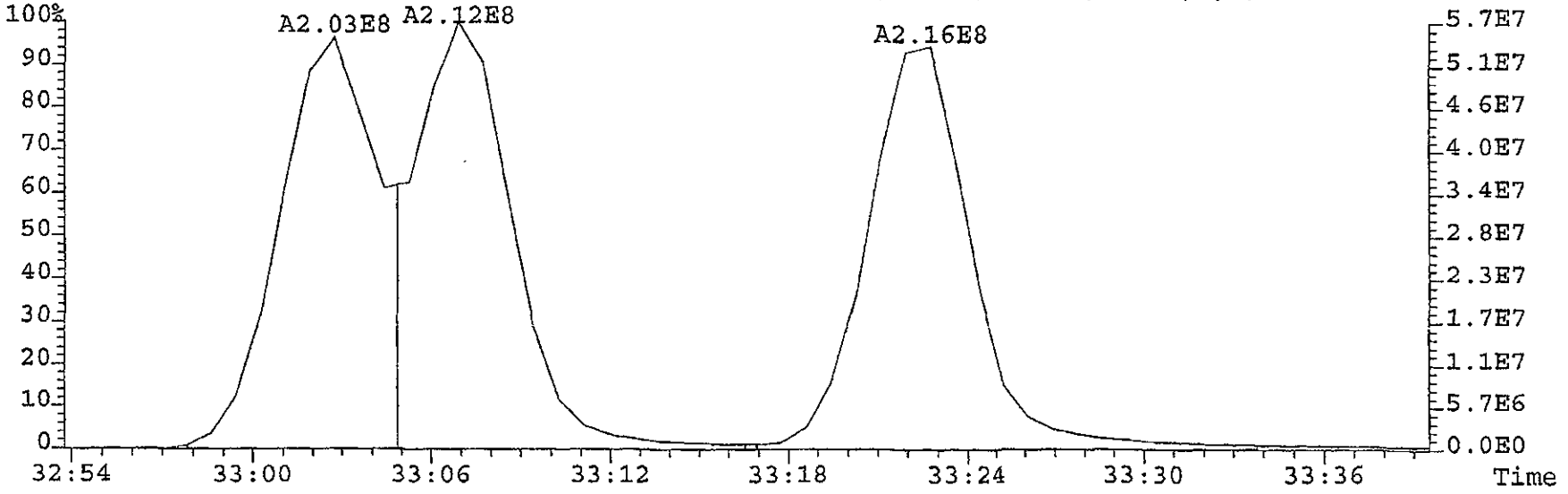


MANUAL EDIT CODES

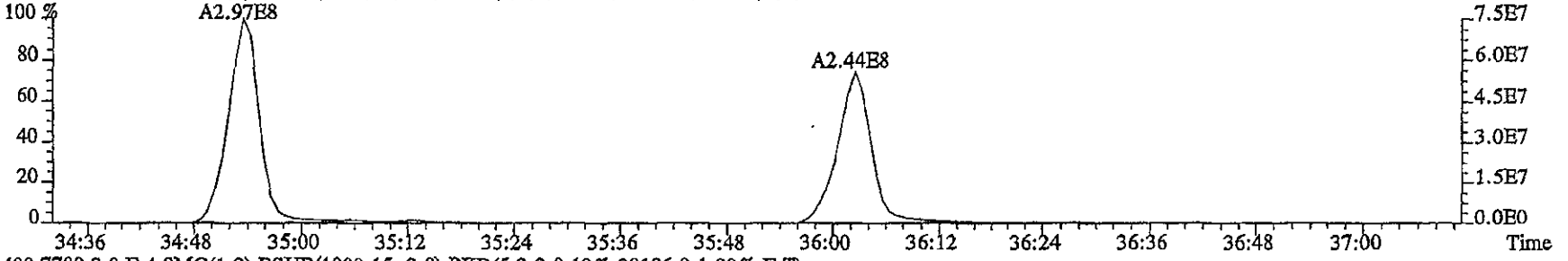
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
(5) Other Valley correction

Analyst Kss Date 7/22/10

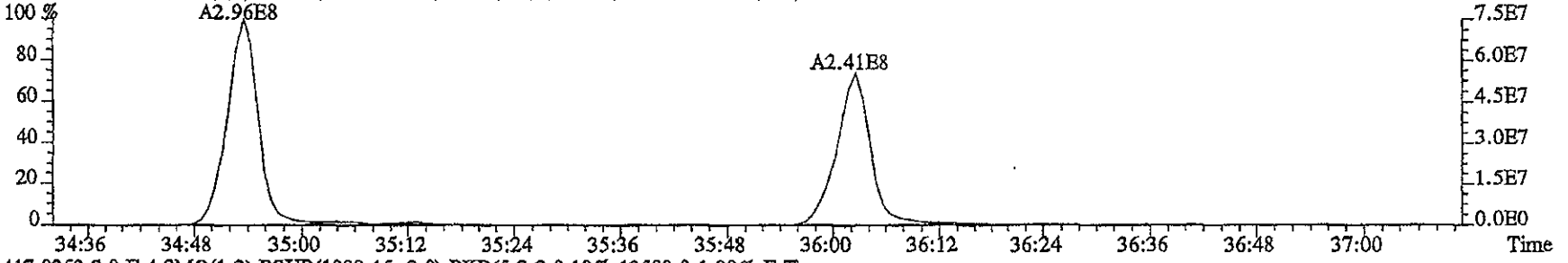
391.8127 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4736.0,1.00%,F,T)



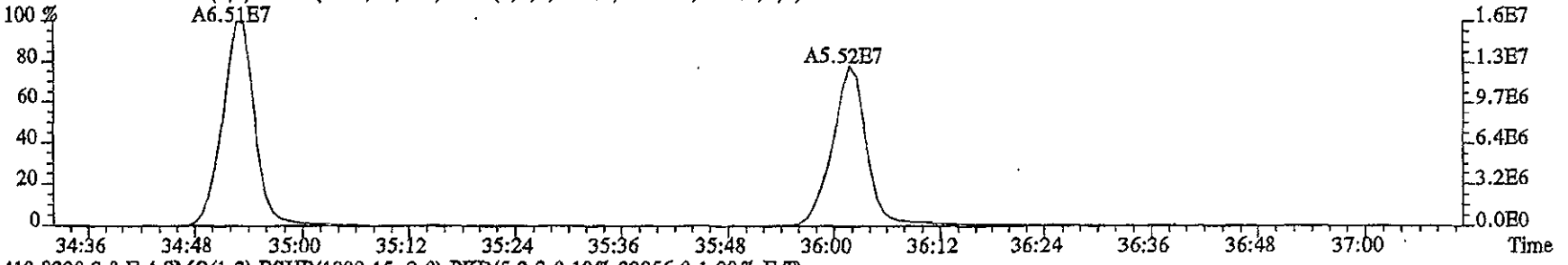
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41352.0,1.00%,F,T)



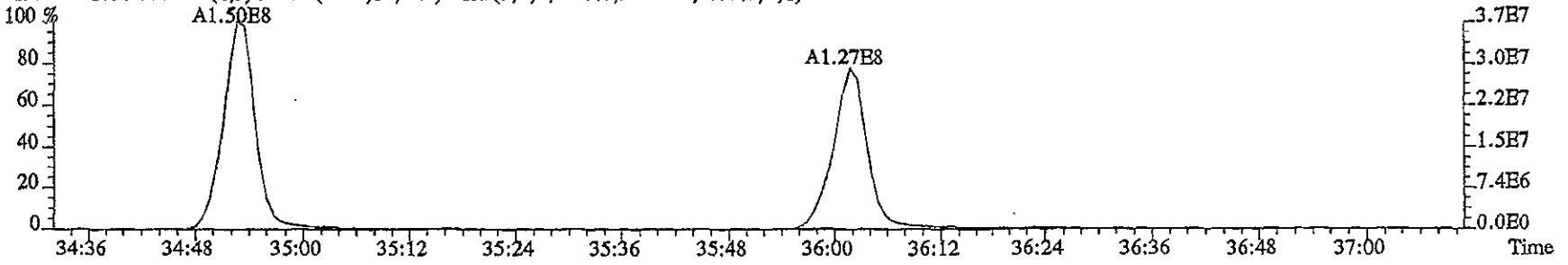
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29196.0,1.00%,F,T)

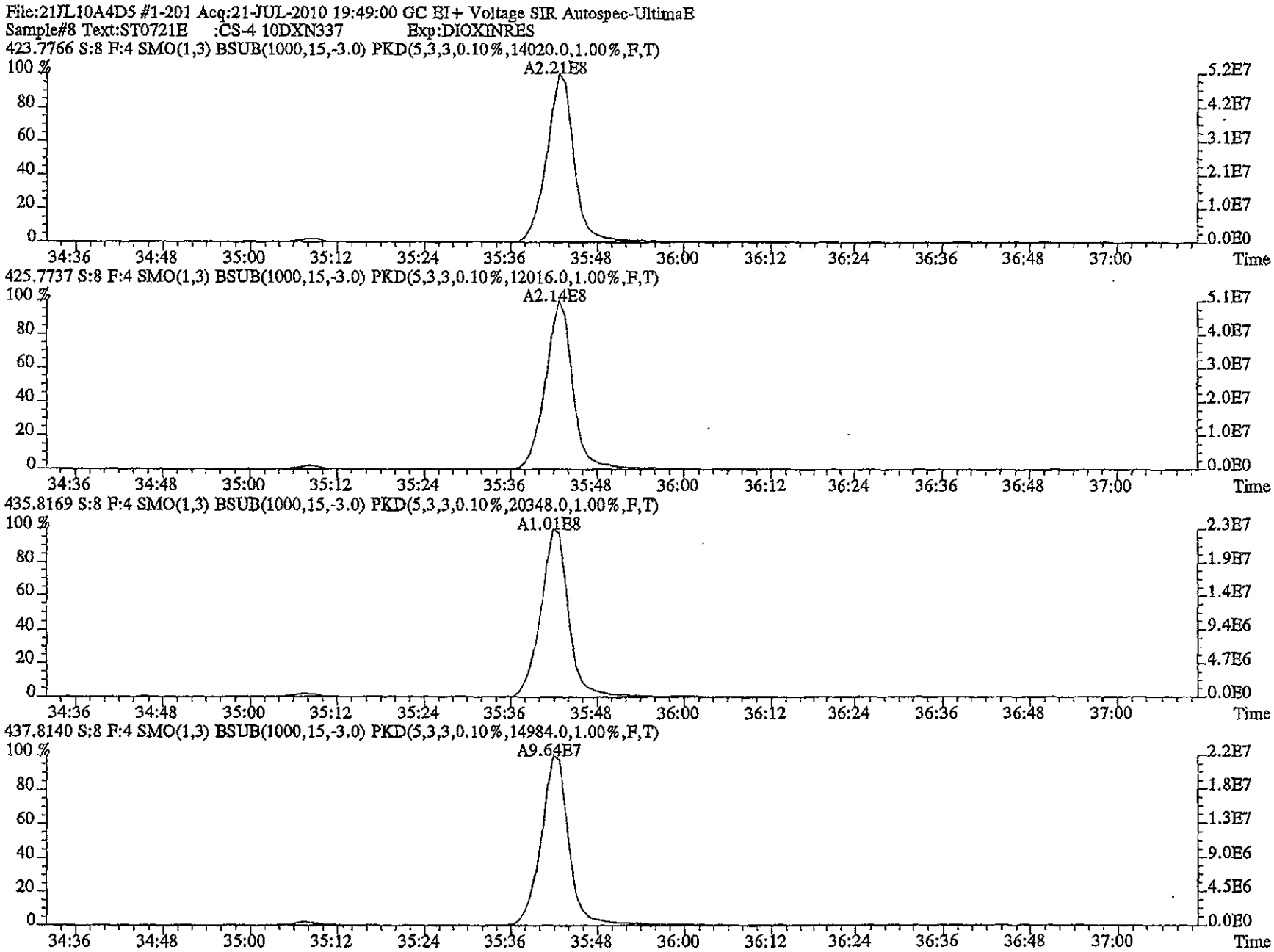


417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13580.0,1.00%,F,T)

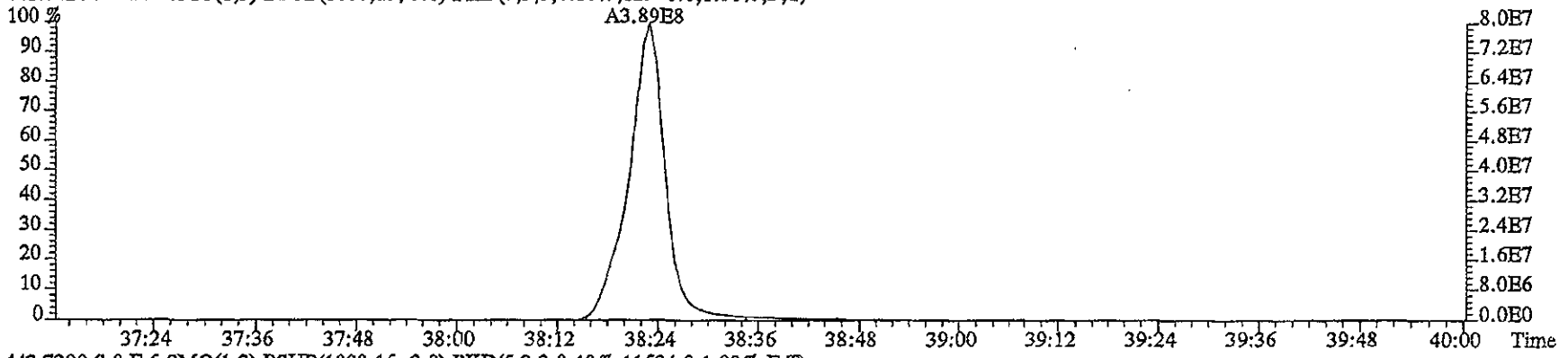


419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23056.0,1.00%,F,T)

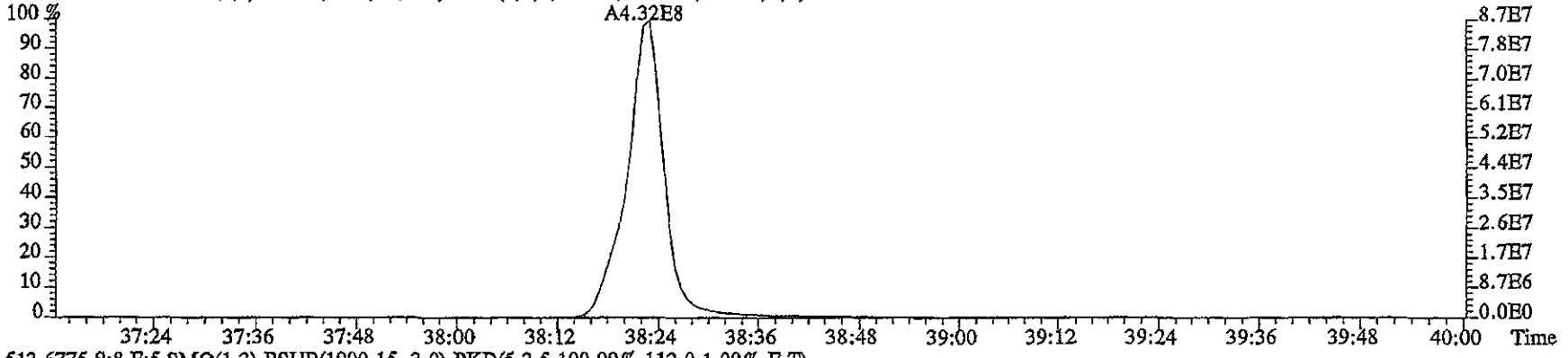




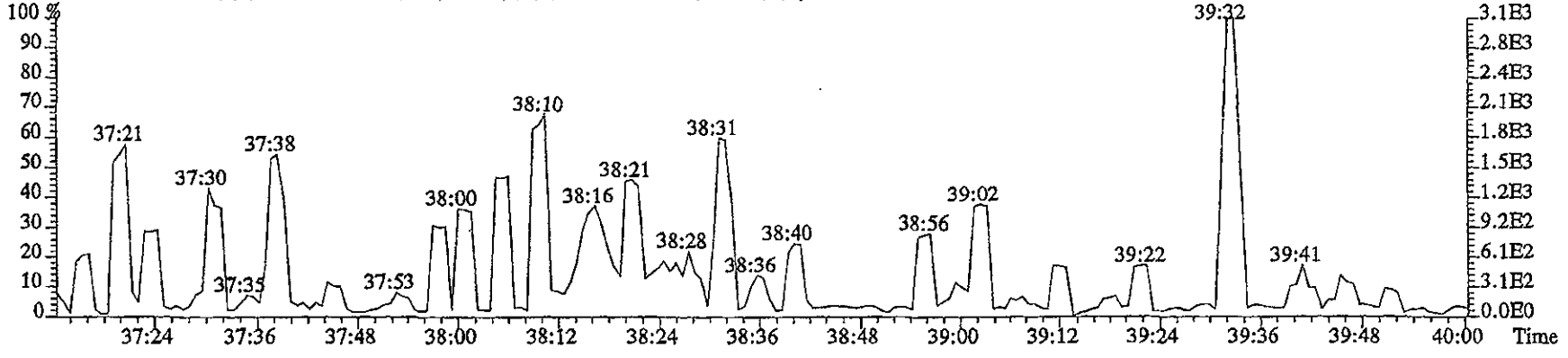
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12968.0,1.00%,F,T)



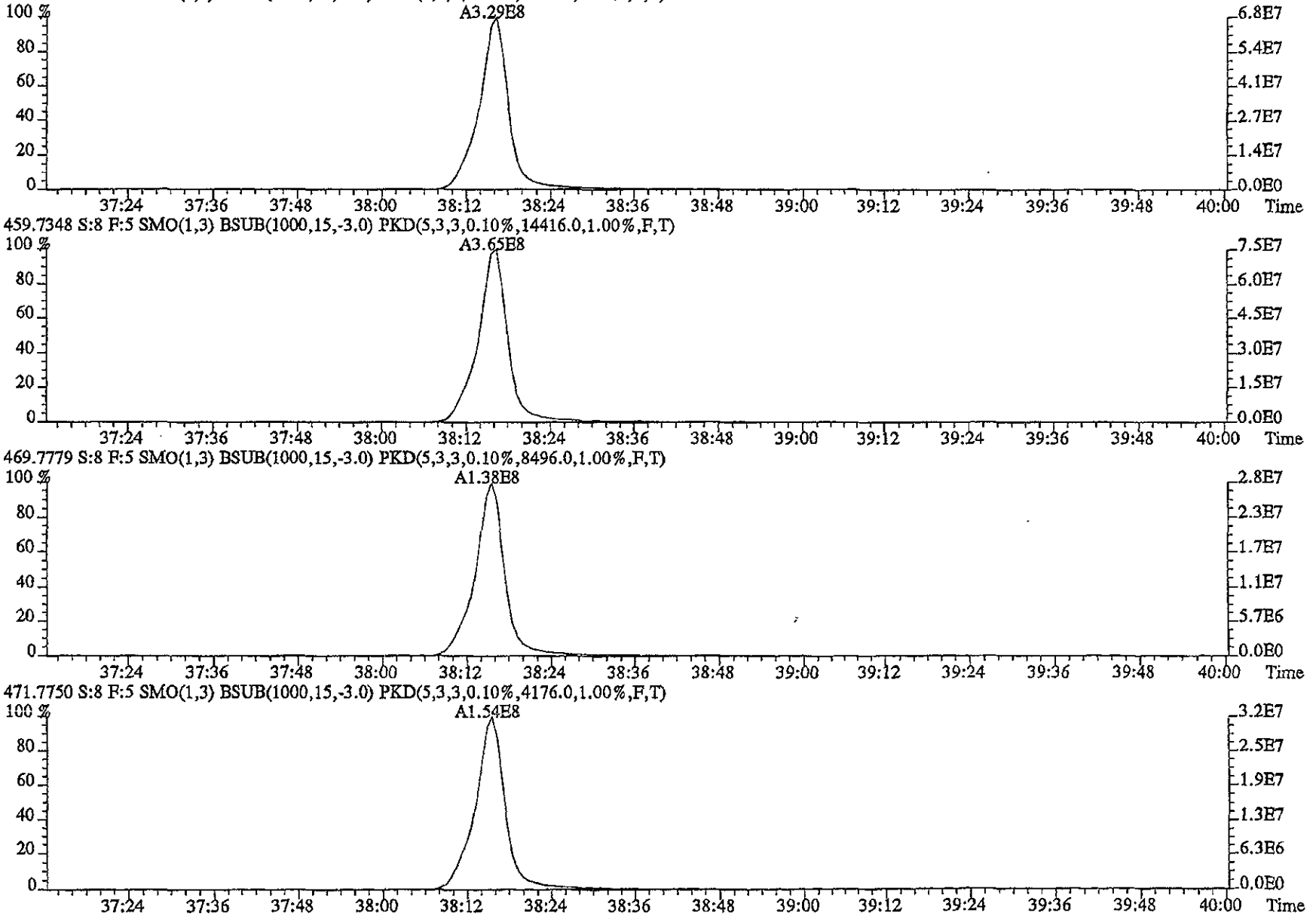
443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11524.0,1.00%,F,T)

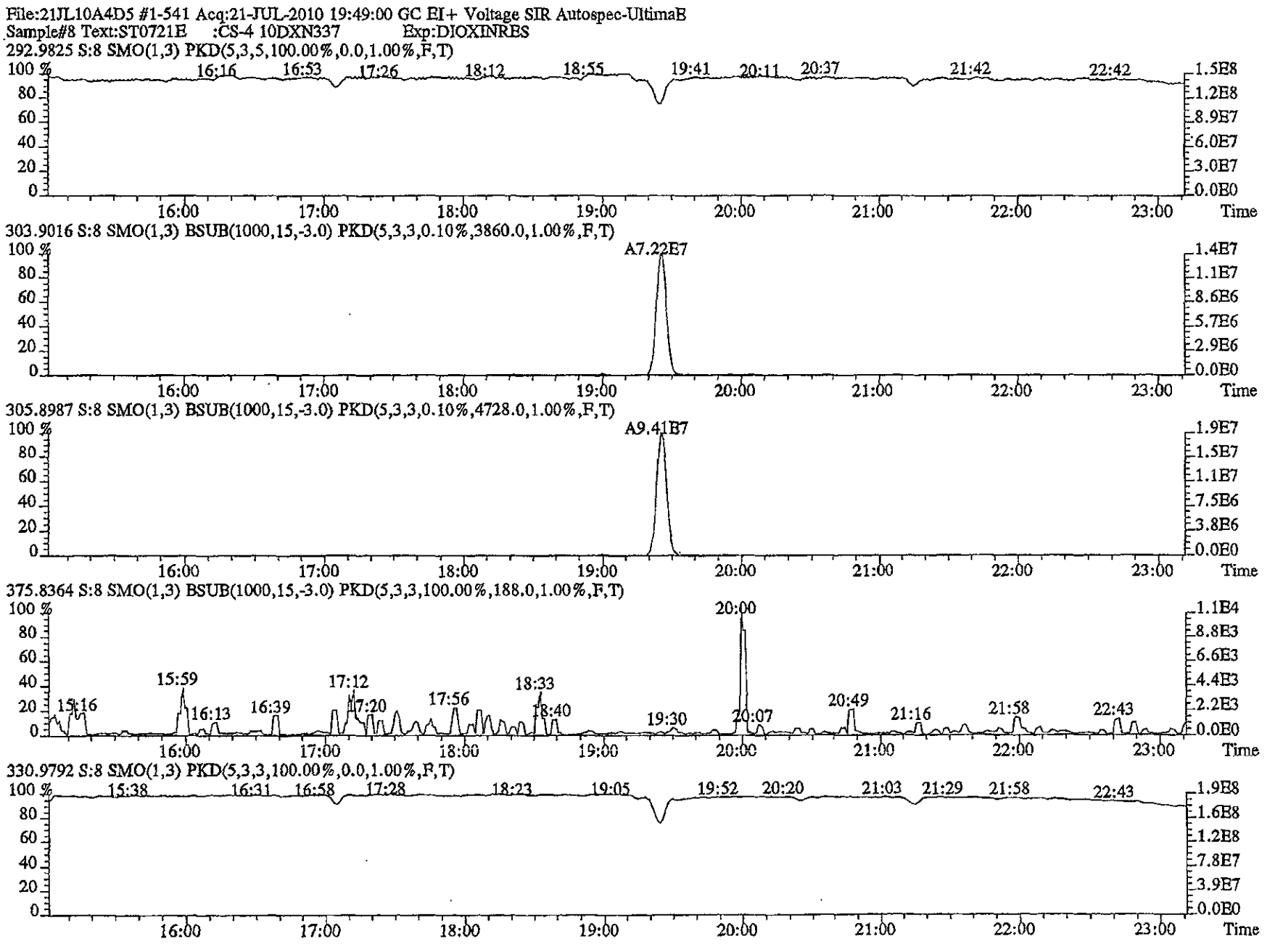


513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,112.0,1.00%,F,T)

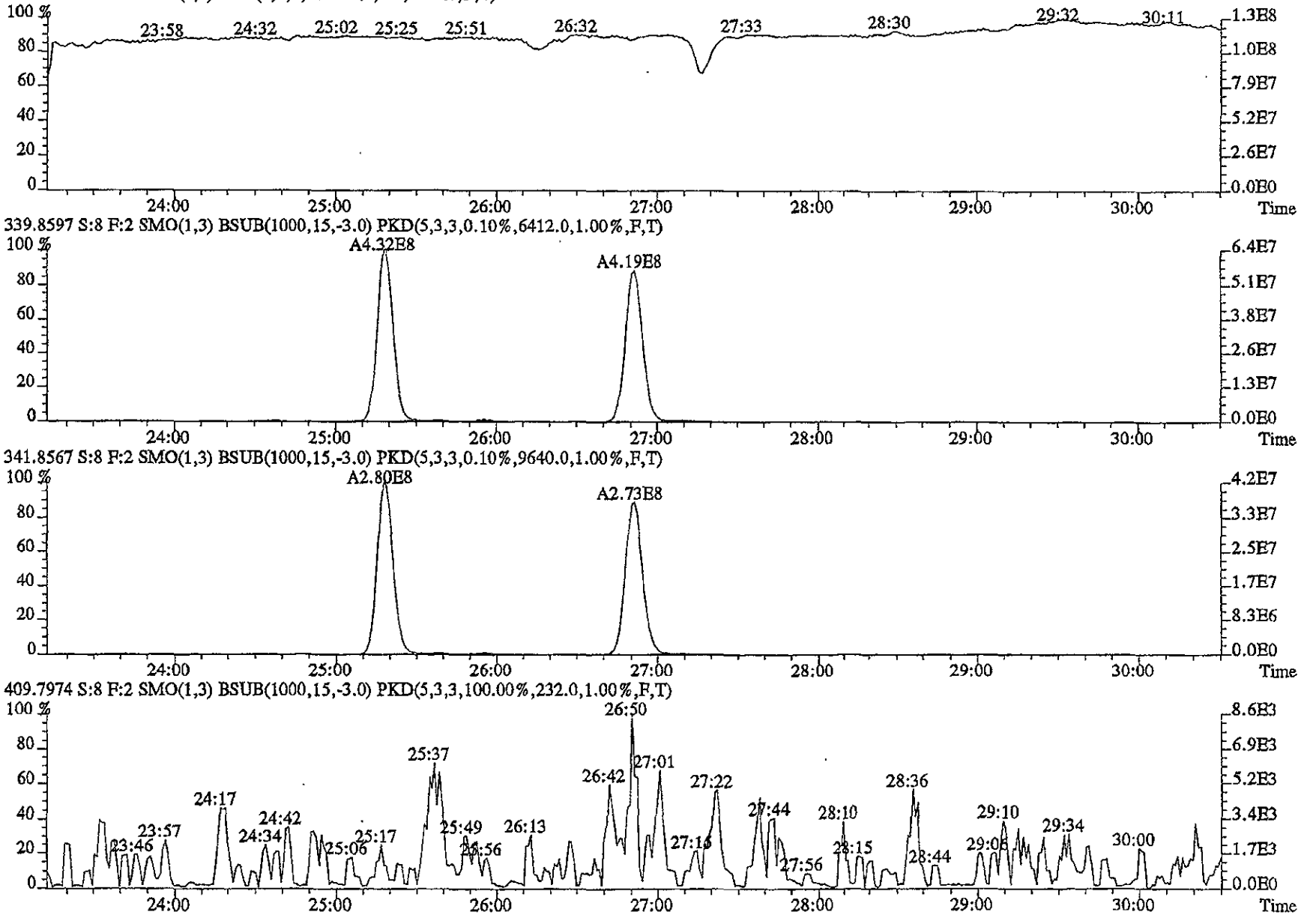


File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES

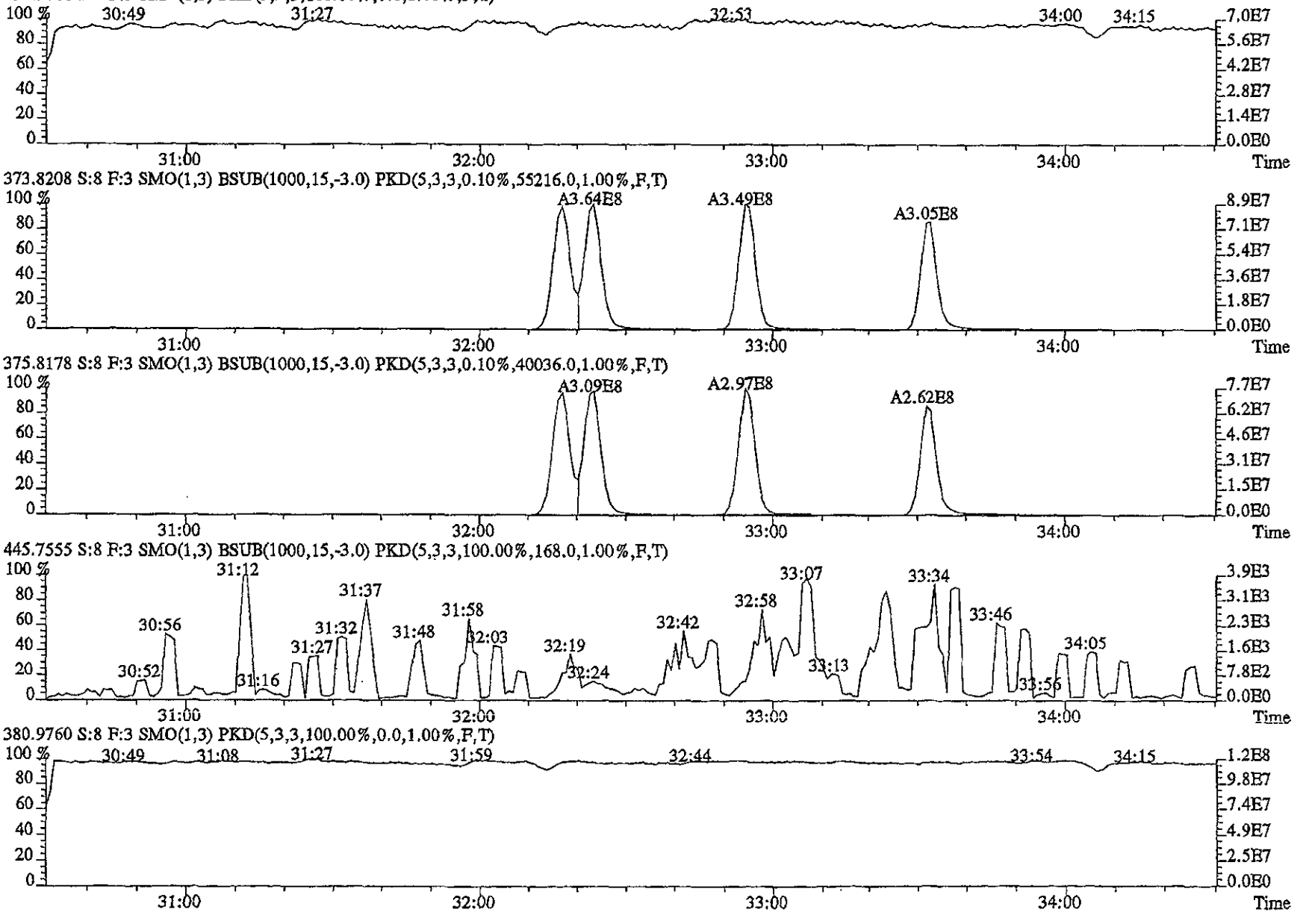


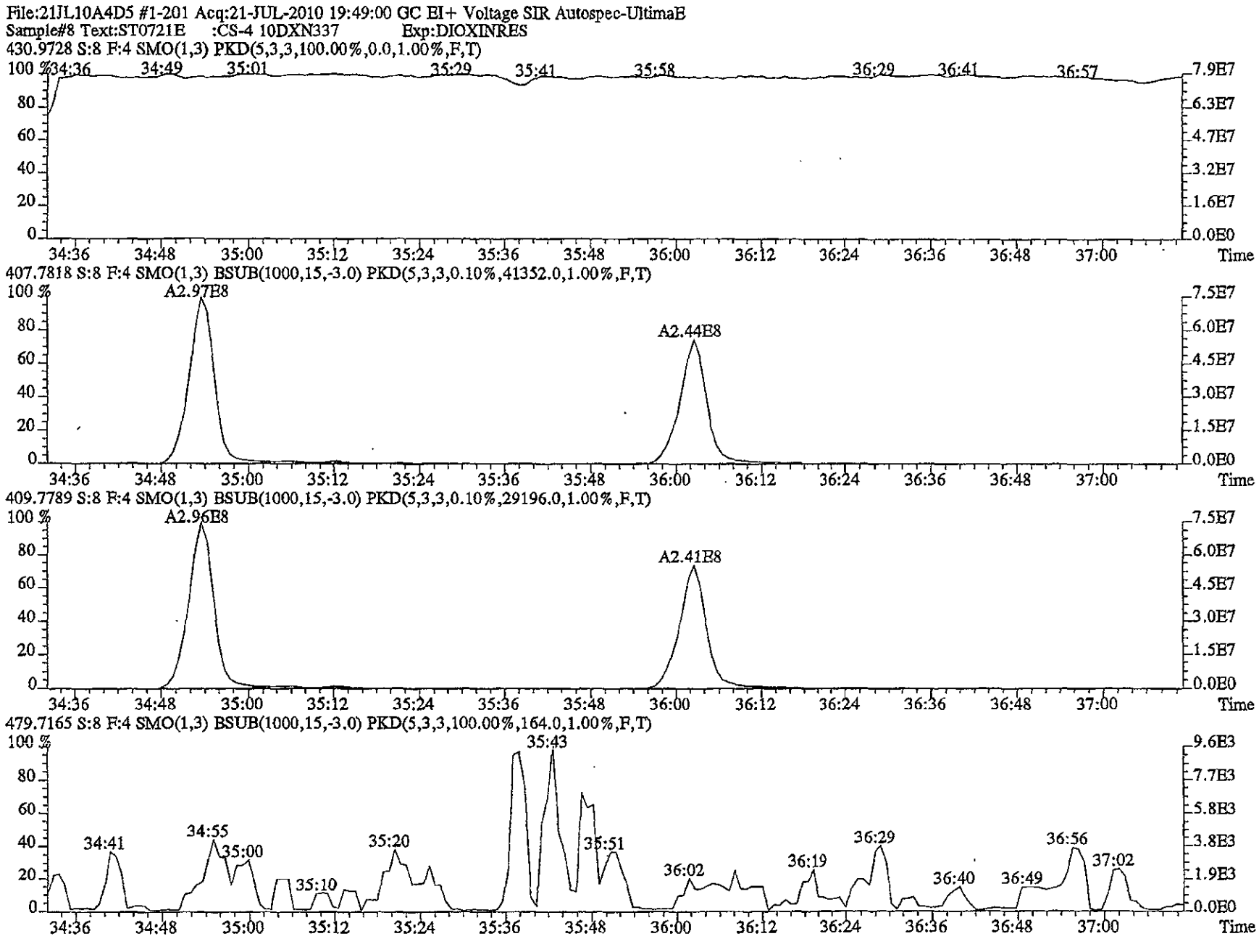

File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3860.0,1.00%,F,T)
A7.22E7
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4728.0,1.00%,F,T)
A9.41E7
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,188.0,1.00%,F,T)
330.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

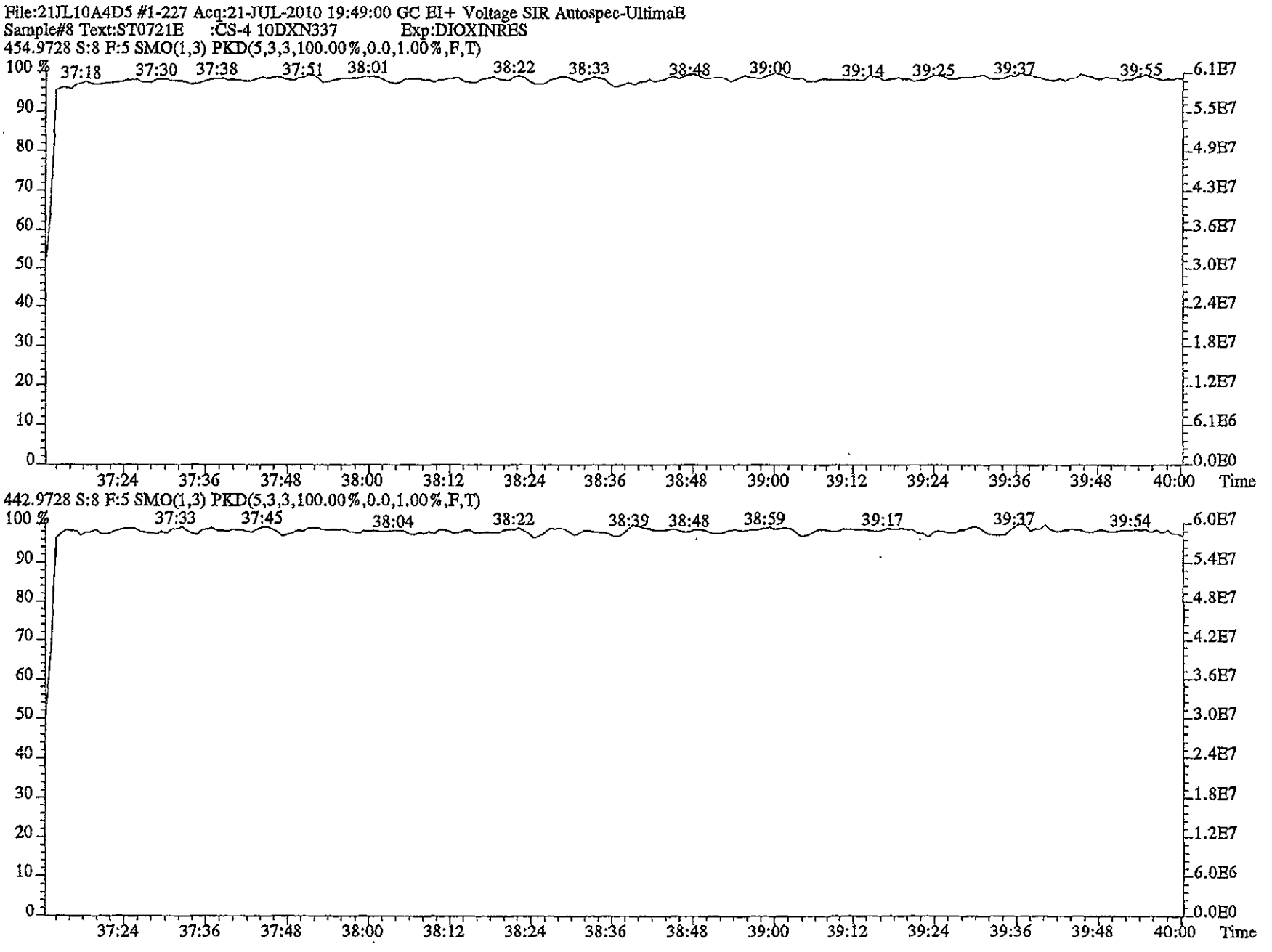
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES



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

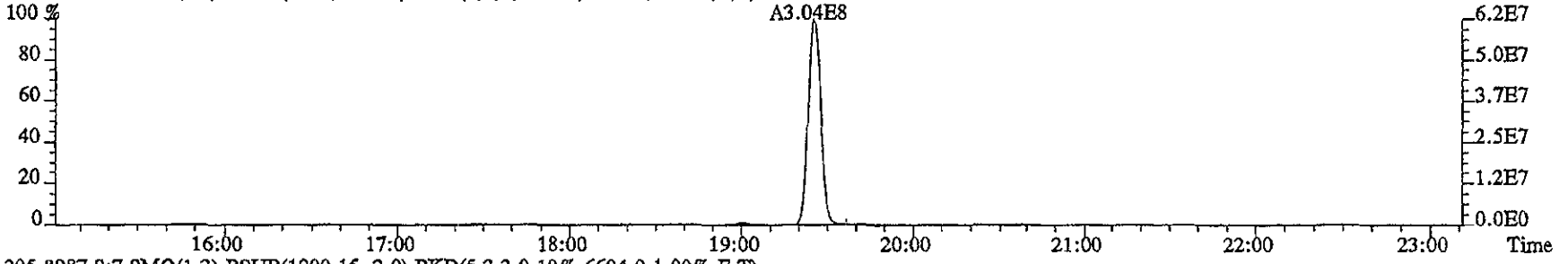



File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaB
Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41352.0,1.00%,F,T)
A2.97E8
A2.44E8
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29196.0,1.00%,F,T)
A2.96E8
A2.41E8
479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,164.0,1.00%,F,T)
Time

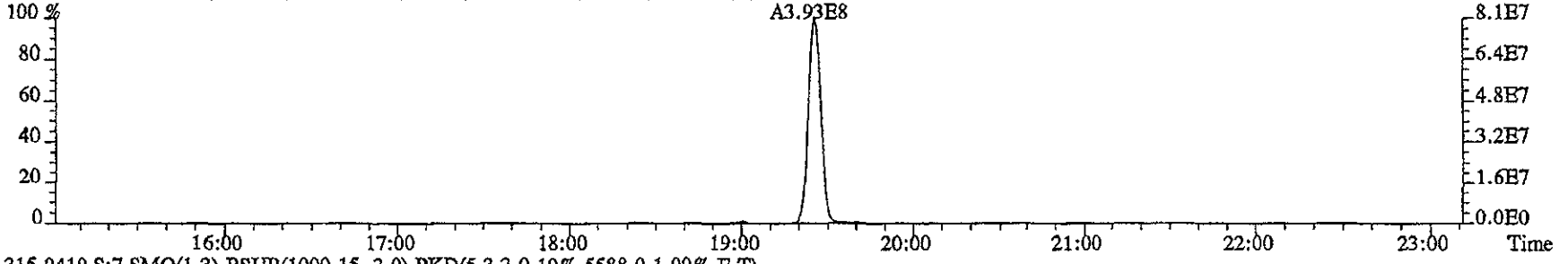


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

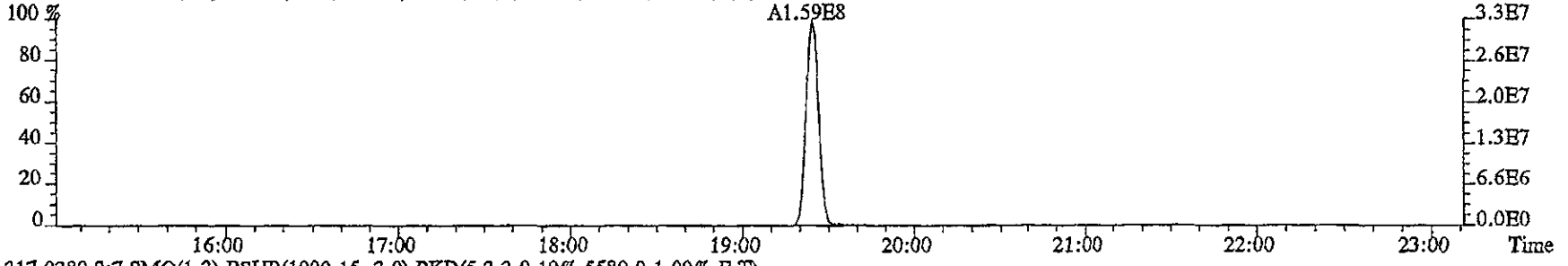
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3616.0,1.00%,F,T)



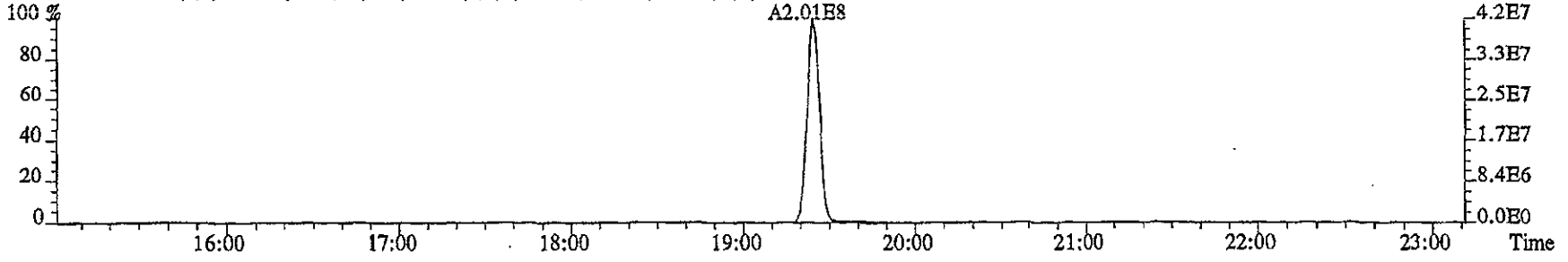
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6604.0,1.00%,F,T)



315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5588.0,1.00%,F,T)

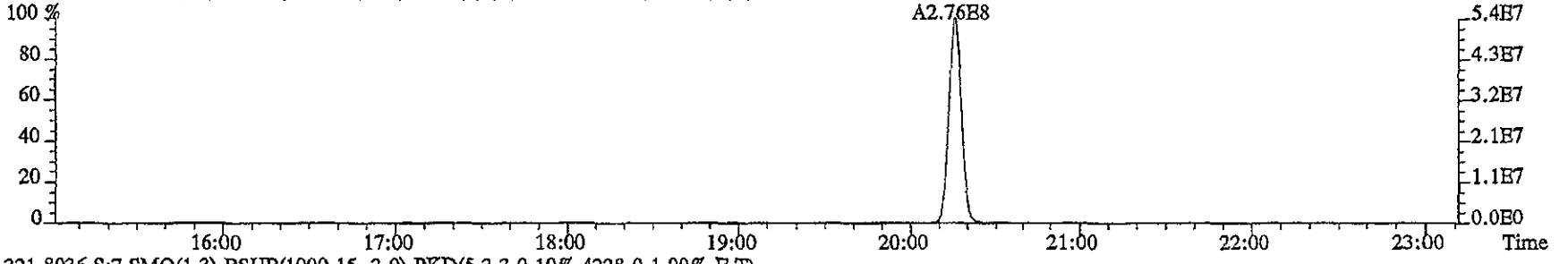


317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5580.0,1.00%,F,T)

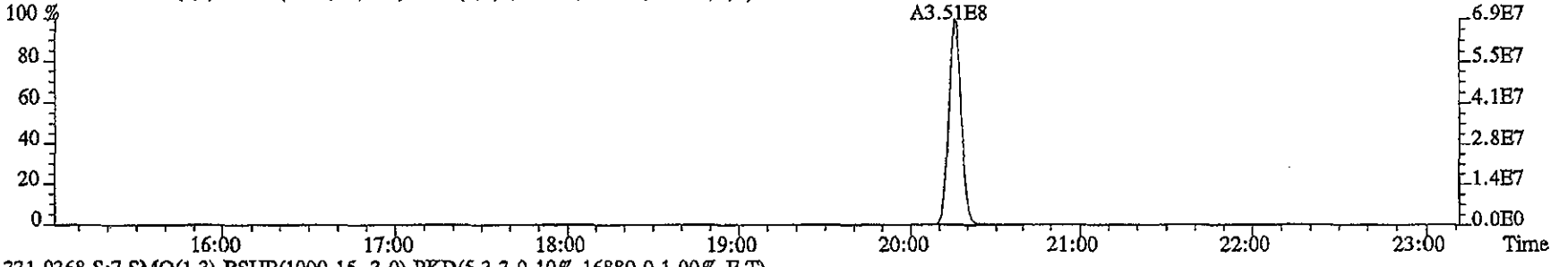


File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

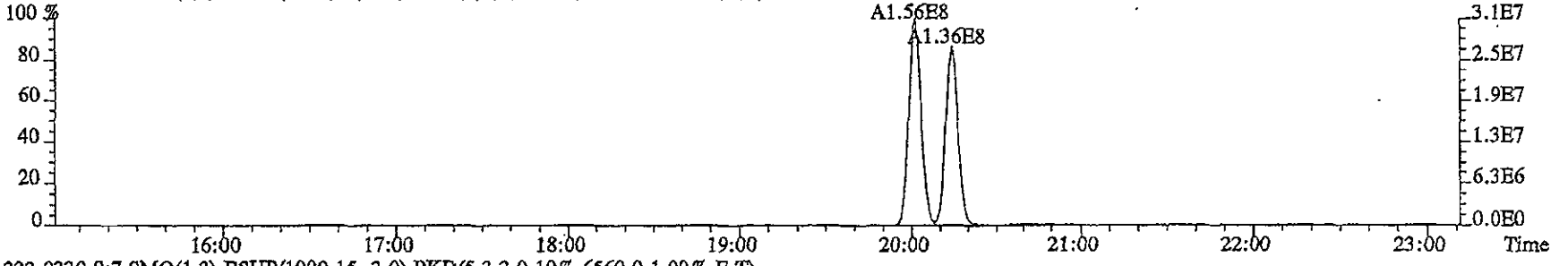
319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4828.0,1.00%,F,T)



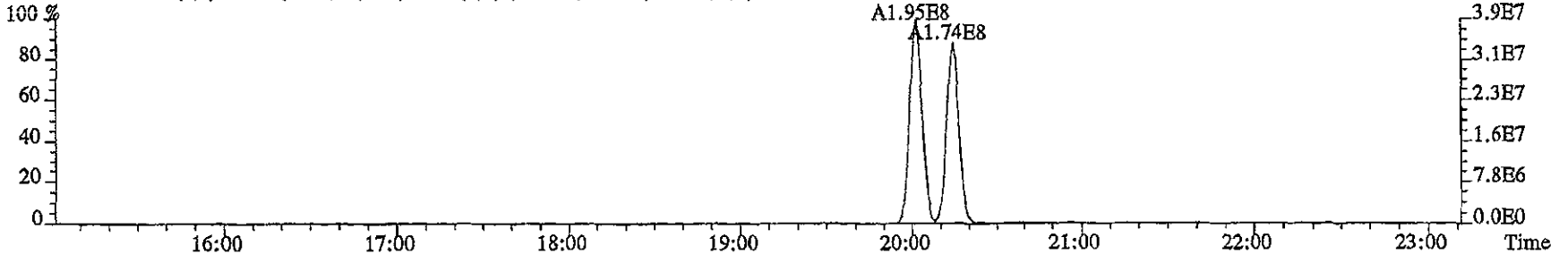
321.8936 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4228.0,1.00%,F,T)



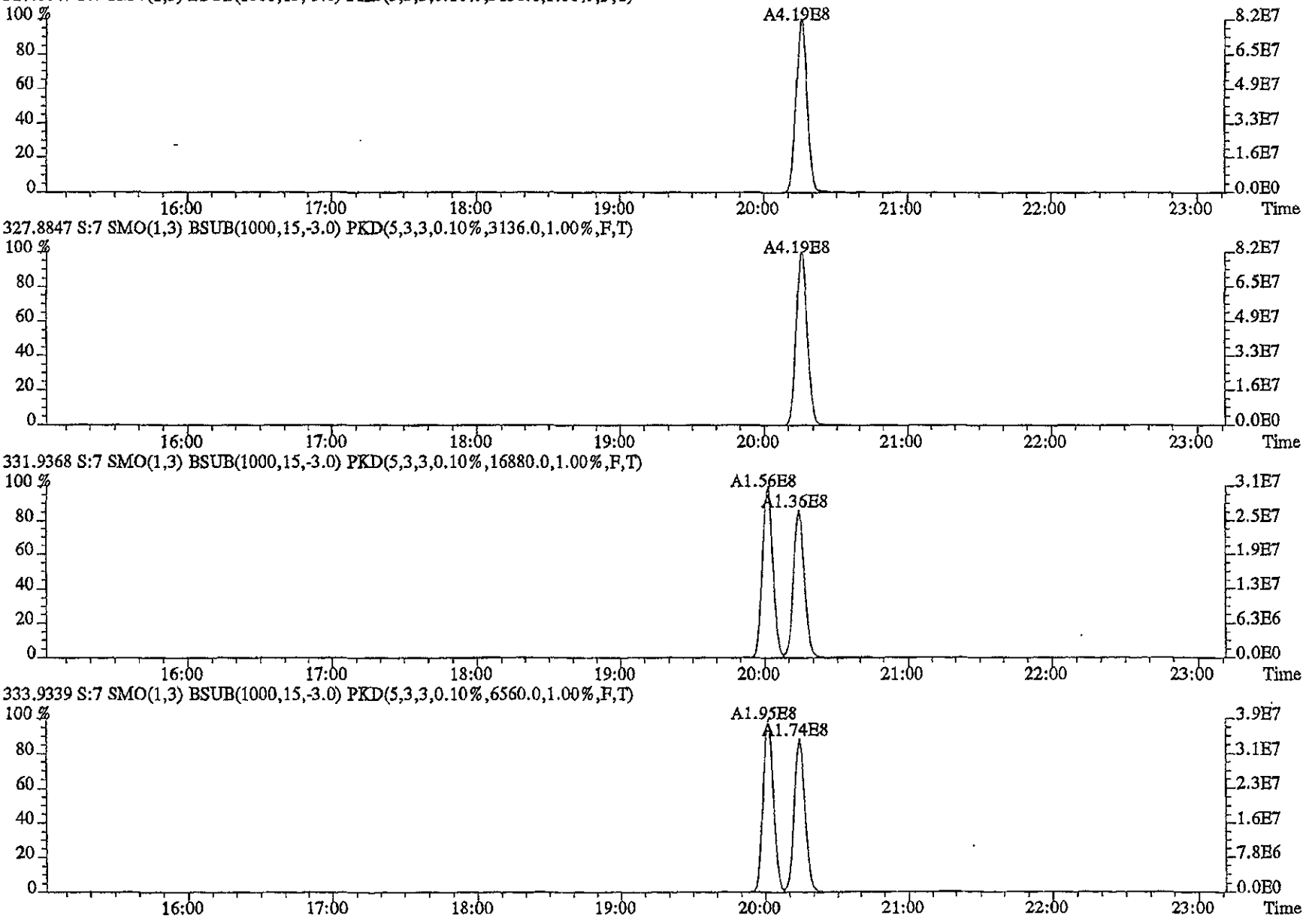
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16880.0,1.00%,F,T)



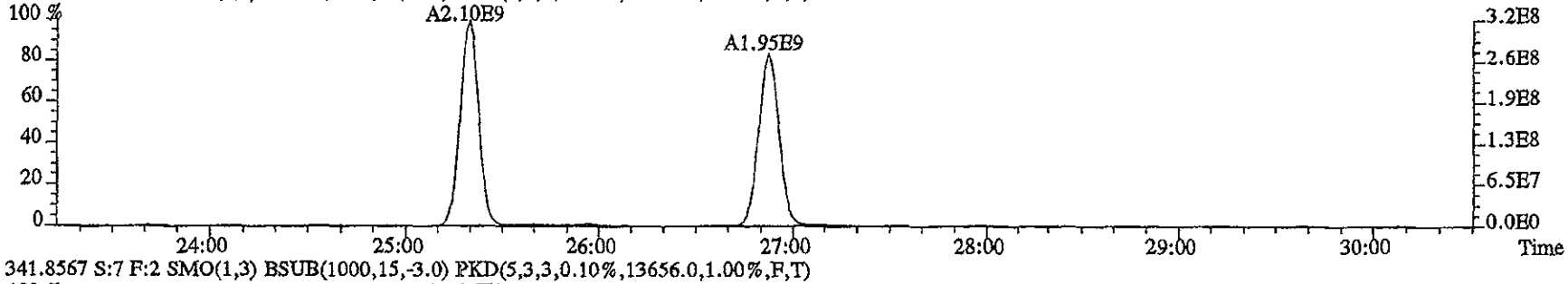
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6560.0,1.00%,F,T)



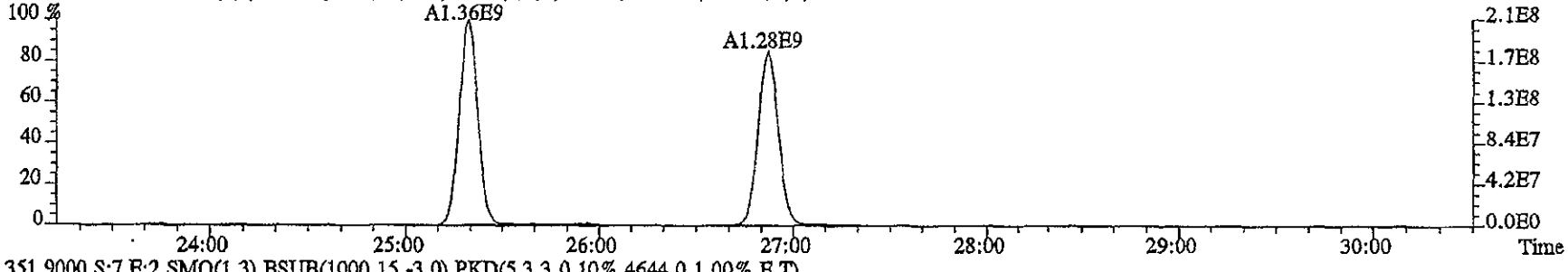
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES



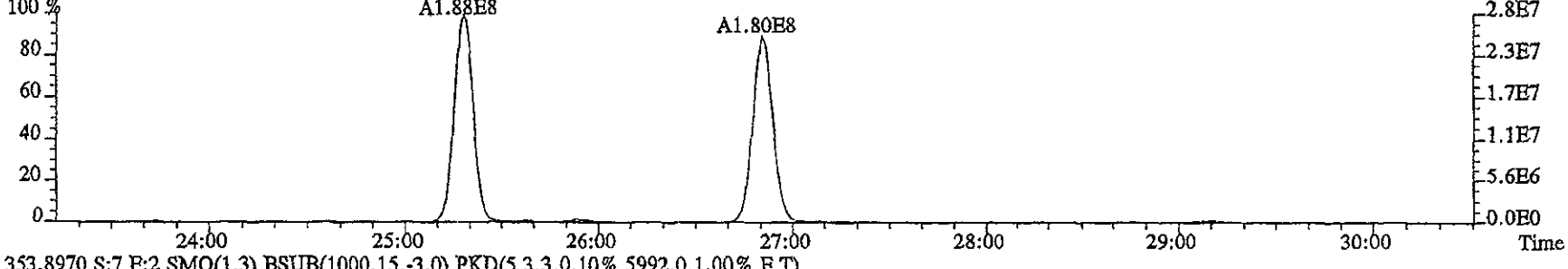
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26980.0,1.00%,F,T)



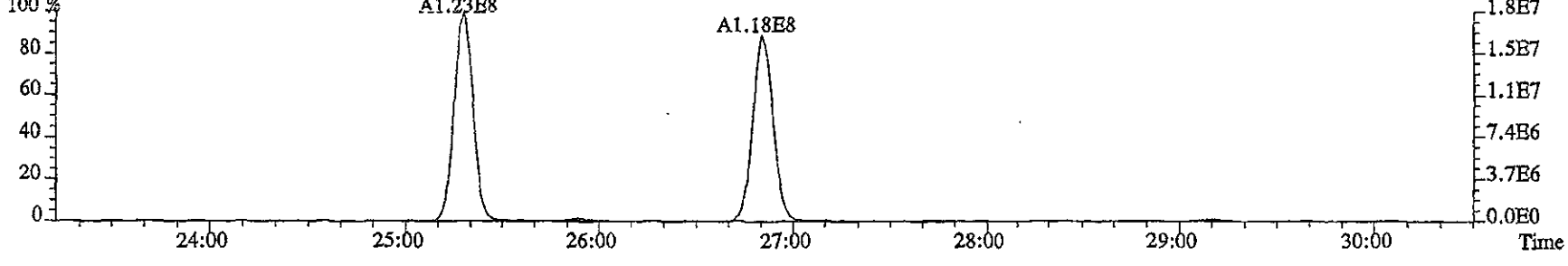
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13656.0,1.00%,F,T)



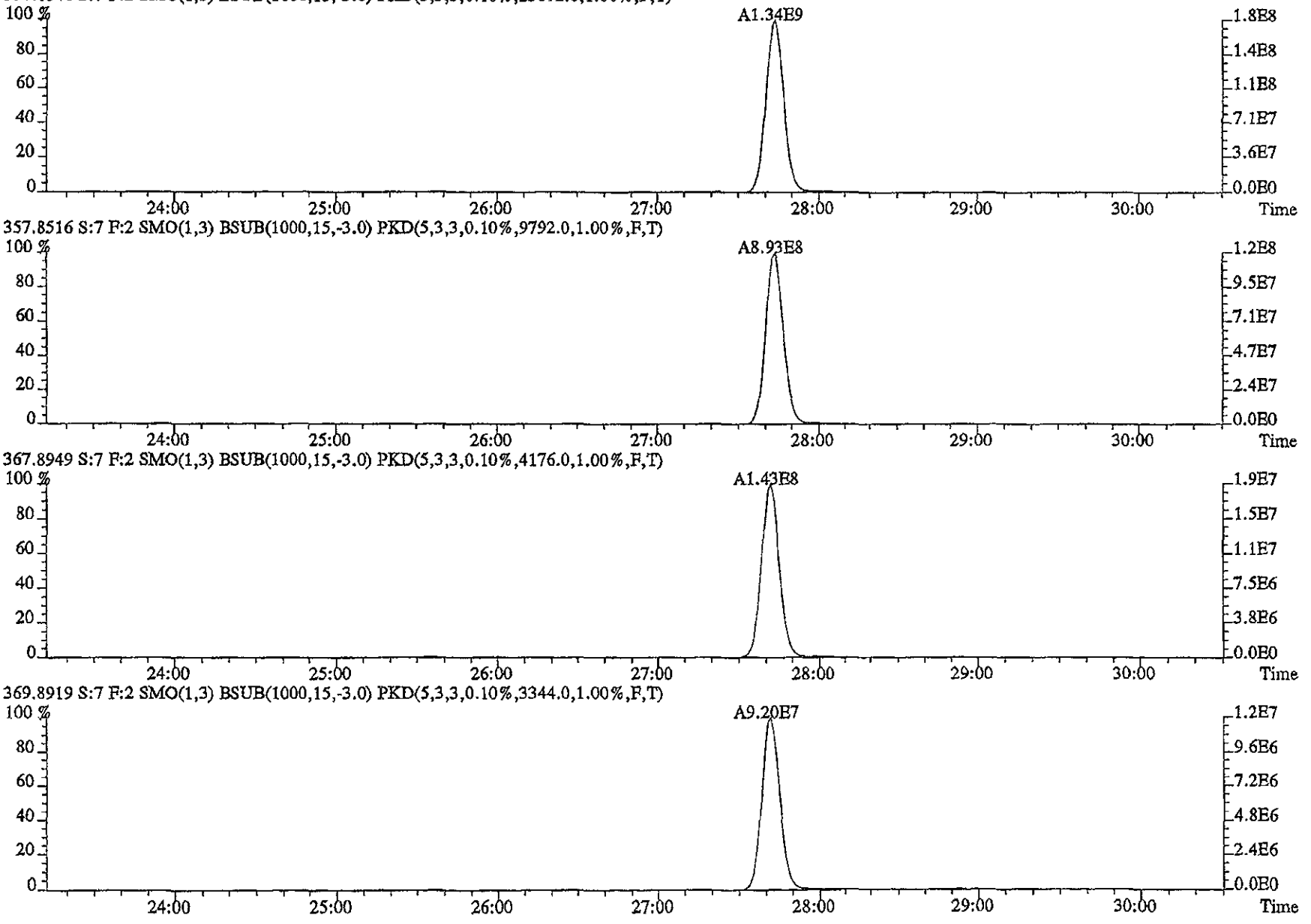
351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4644.0,1.00%,F,T)

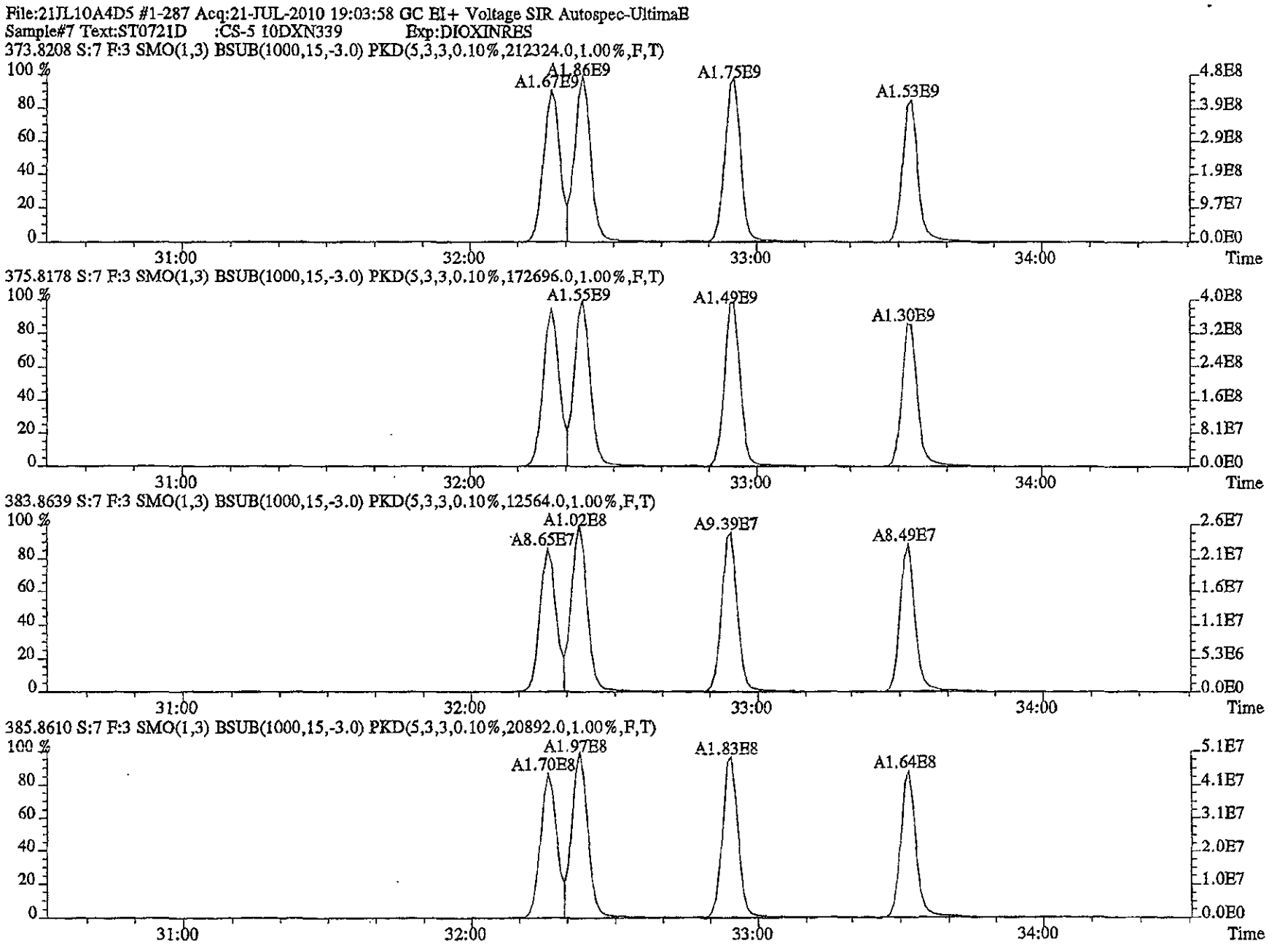


353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5992.0,1.00%,F,T)

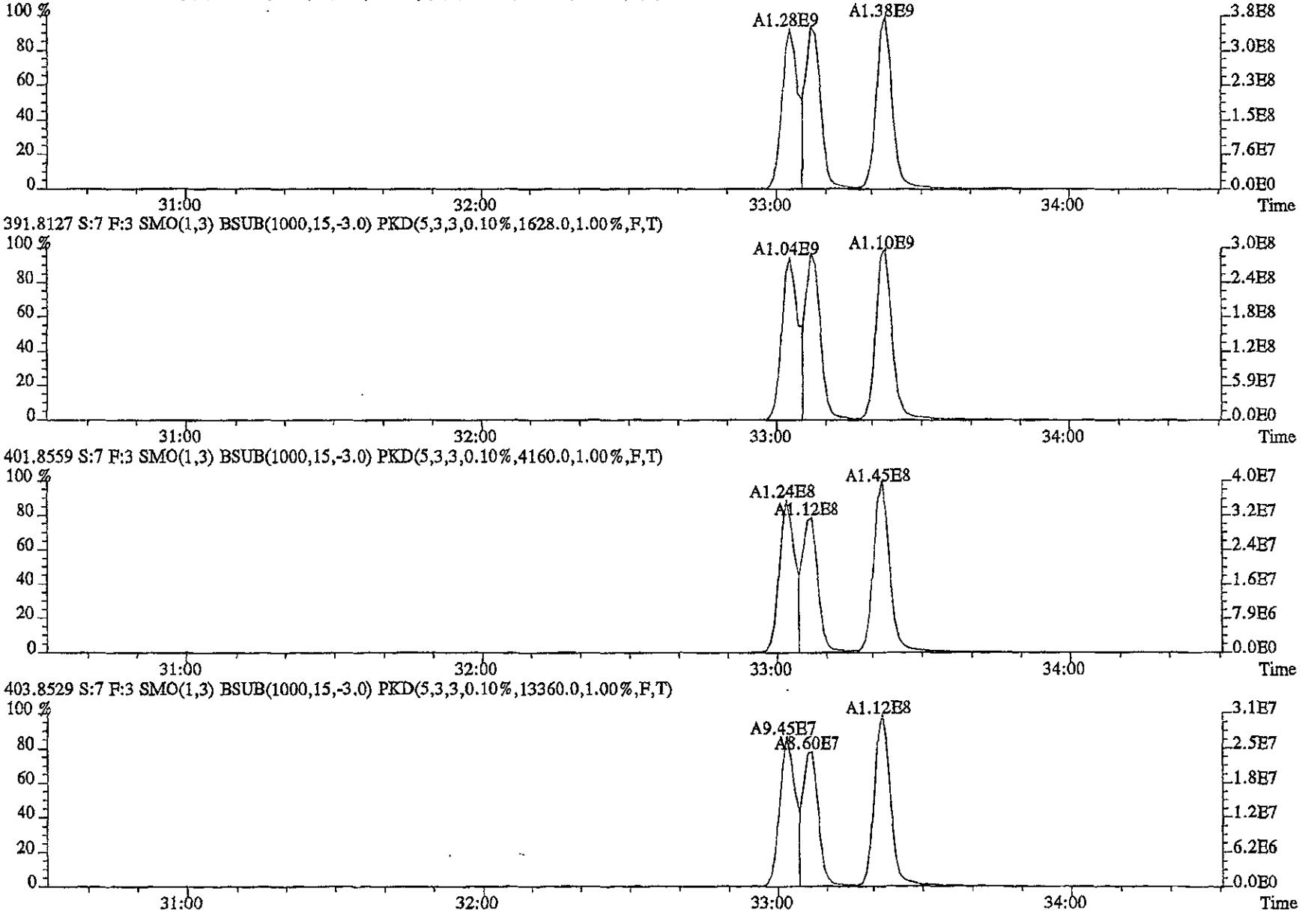


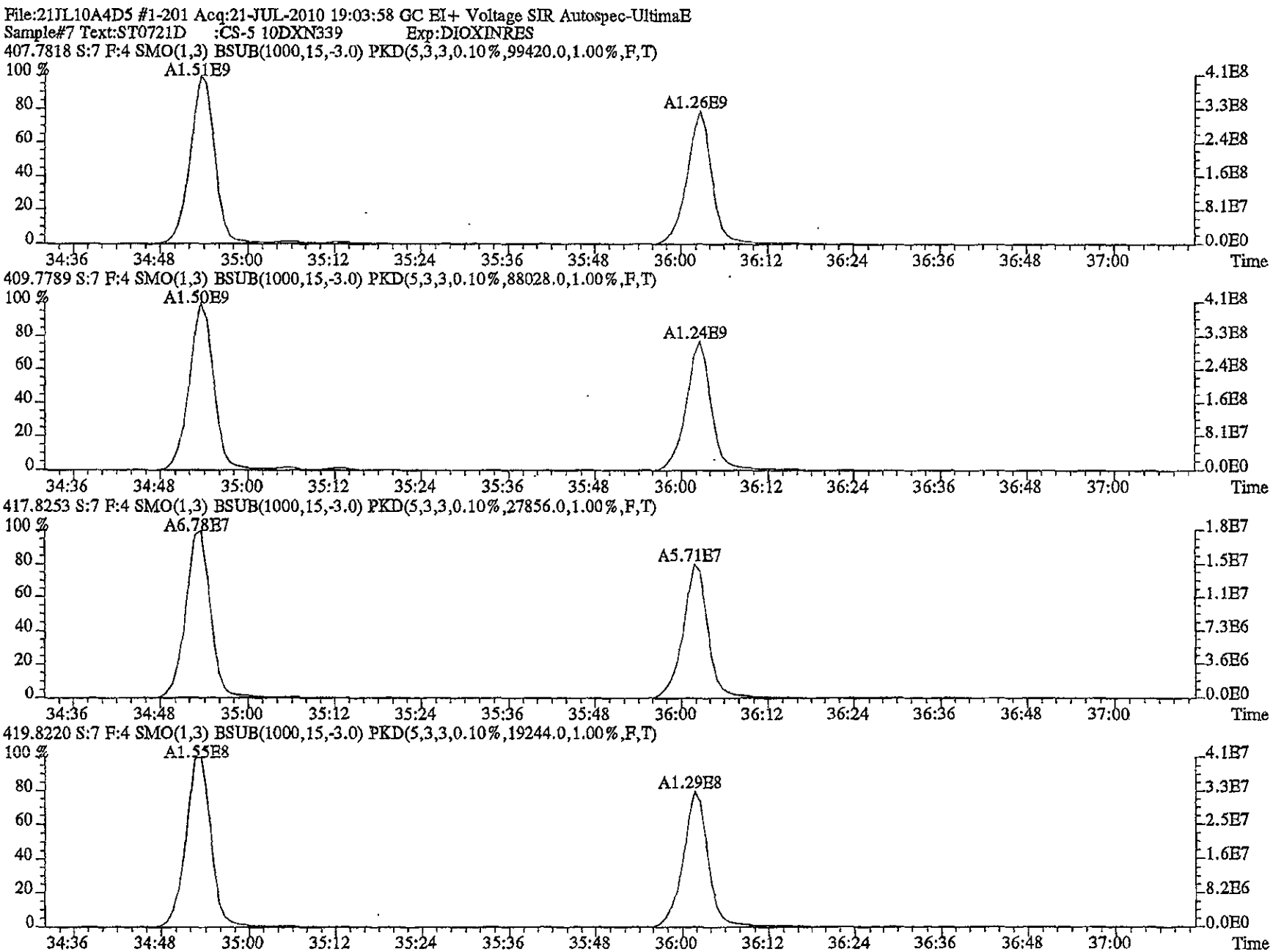
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:03:58 GC HI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES



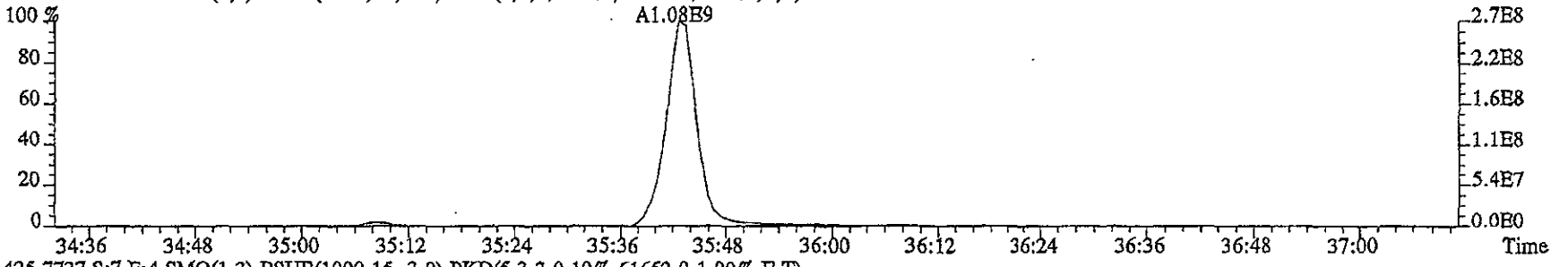


File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

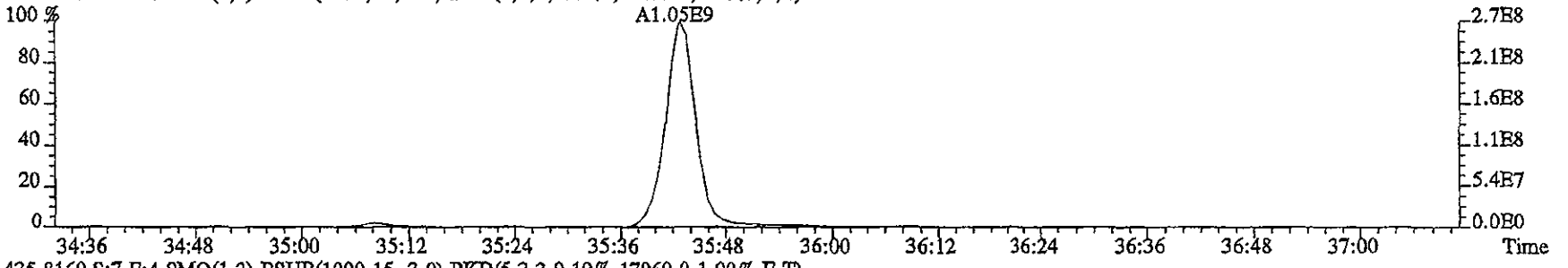




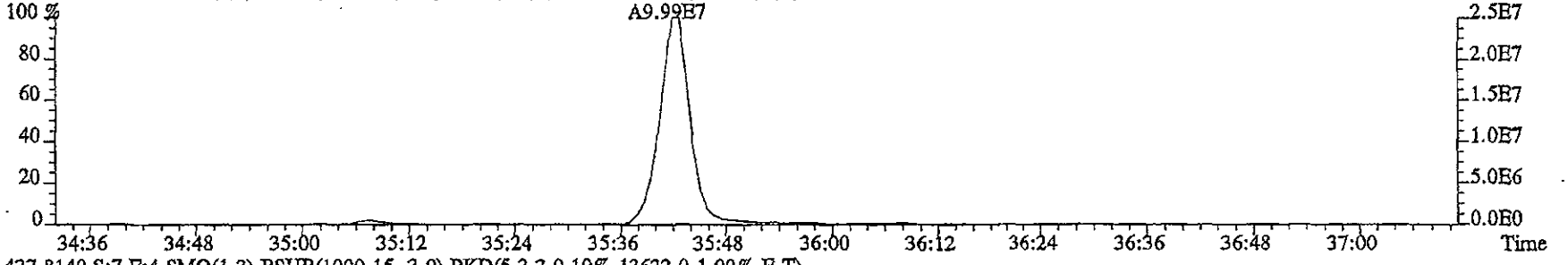
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,75680.0,1.00%,F,T)



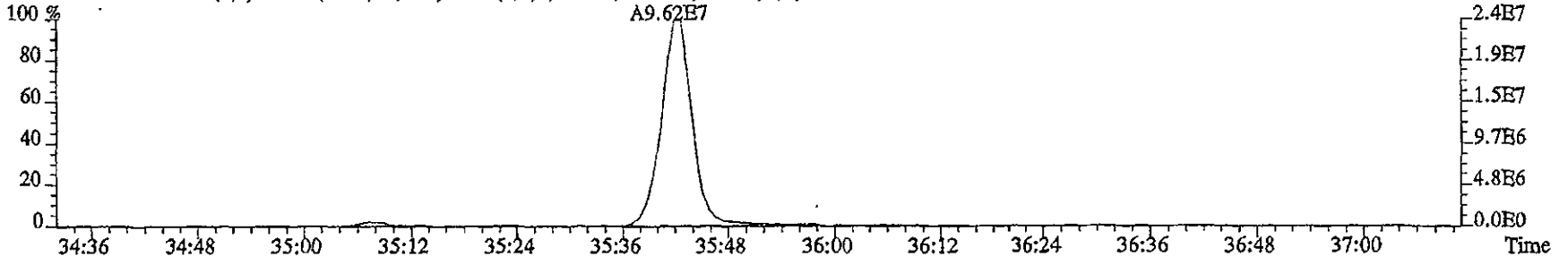
425.7737 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,61652.0,1.00%,F,T)



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)

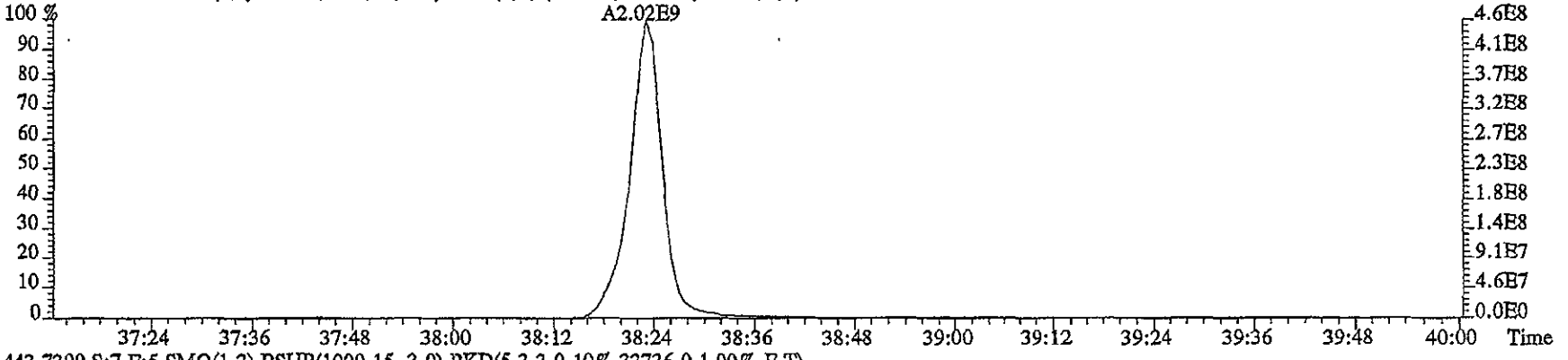


437.8140 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13632.0,1.00%,F,T)

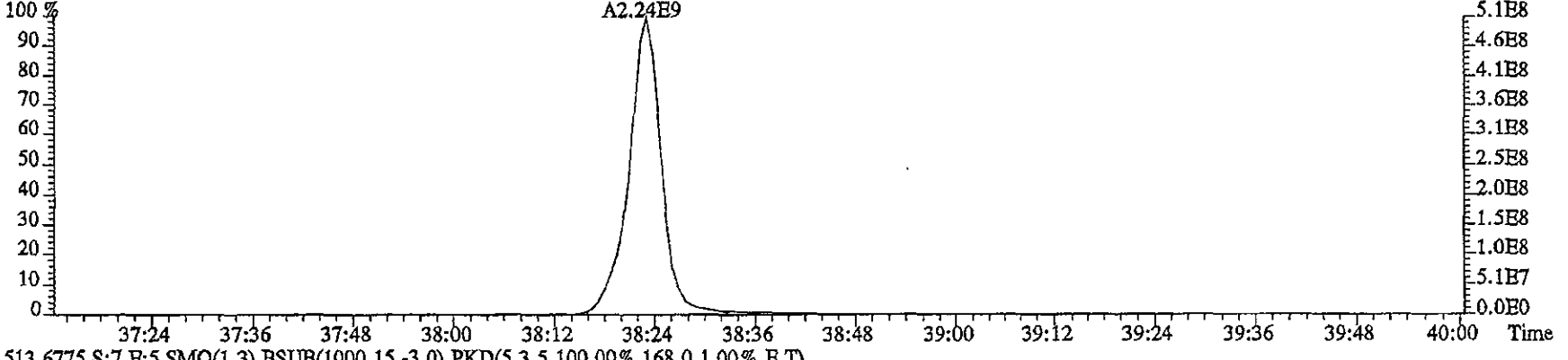


File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

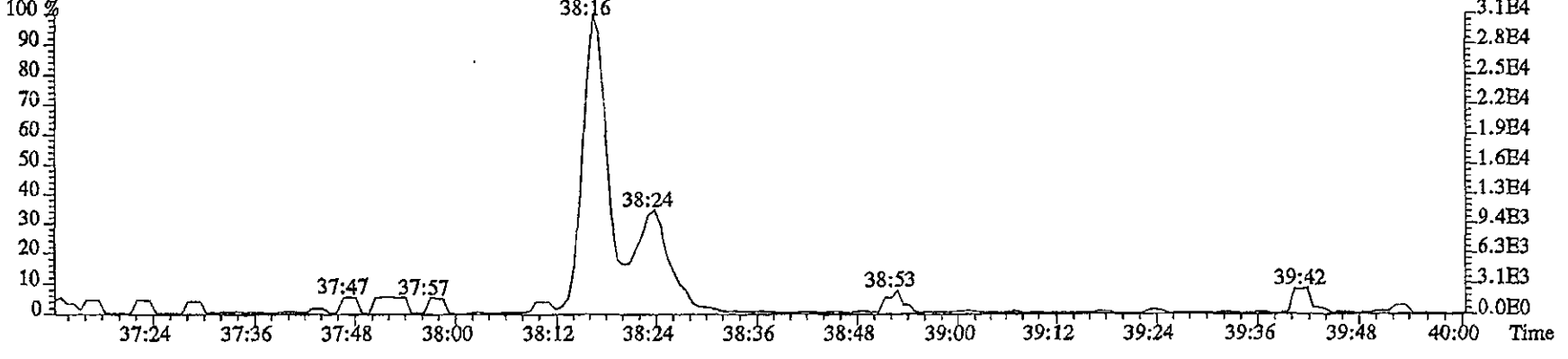
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37688.0,1.00%,F,T)



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)

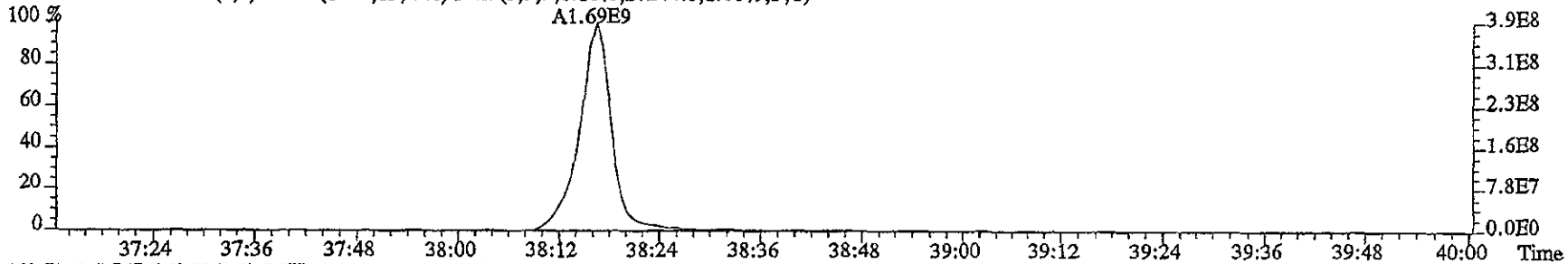


513.6775 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,168.0,1.00%,F,T)

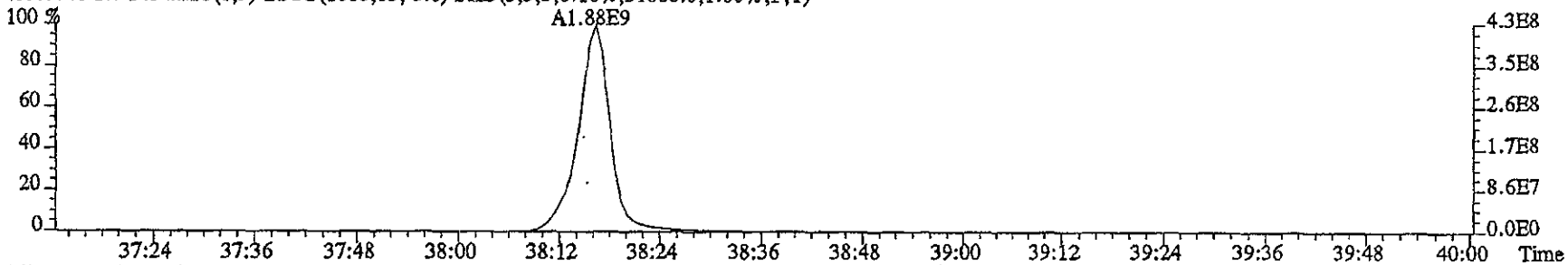


File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

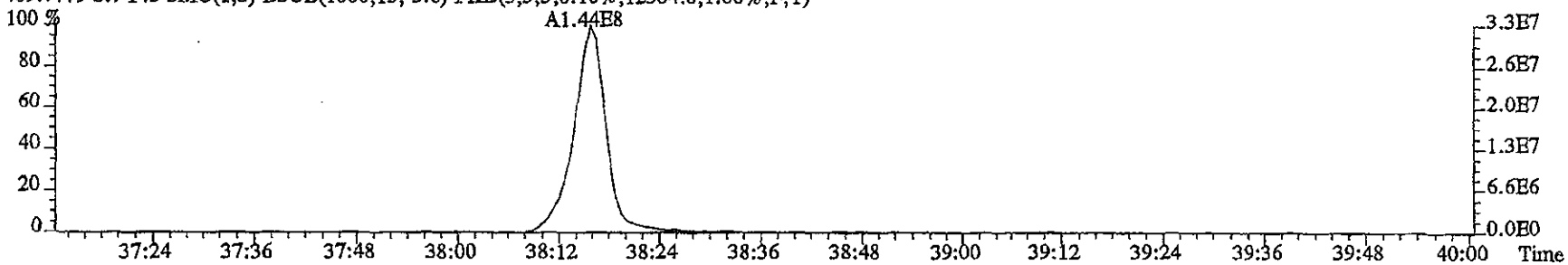
457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27244.0,1.00%,F,T)



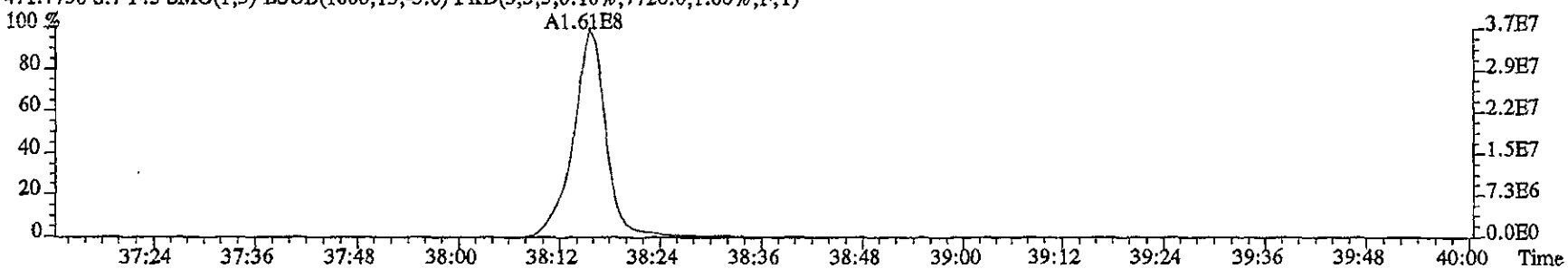
459.7348 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31008.0,1.00%,F,T)

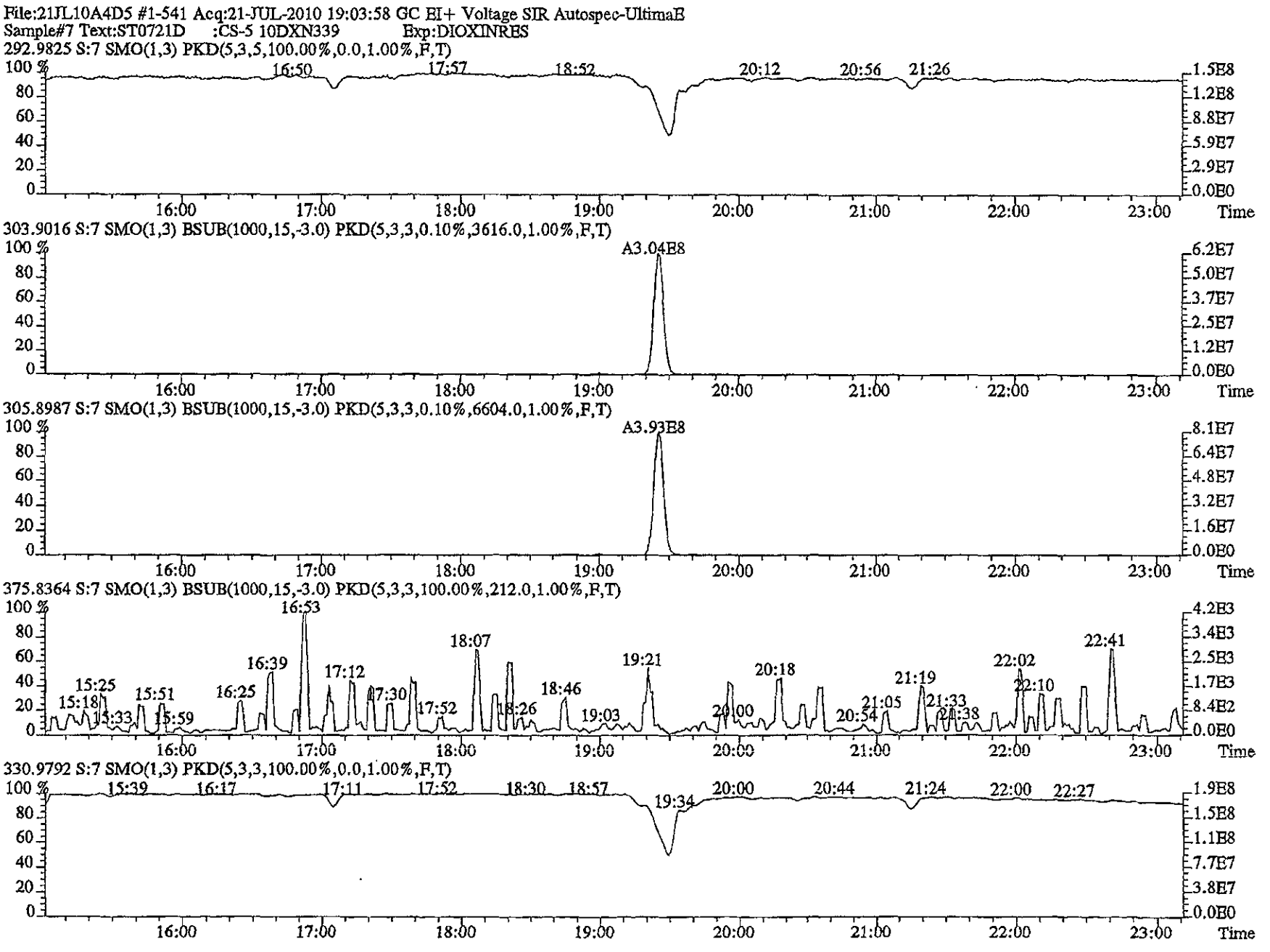


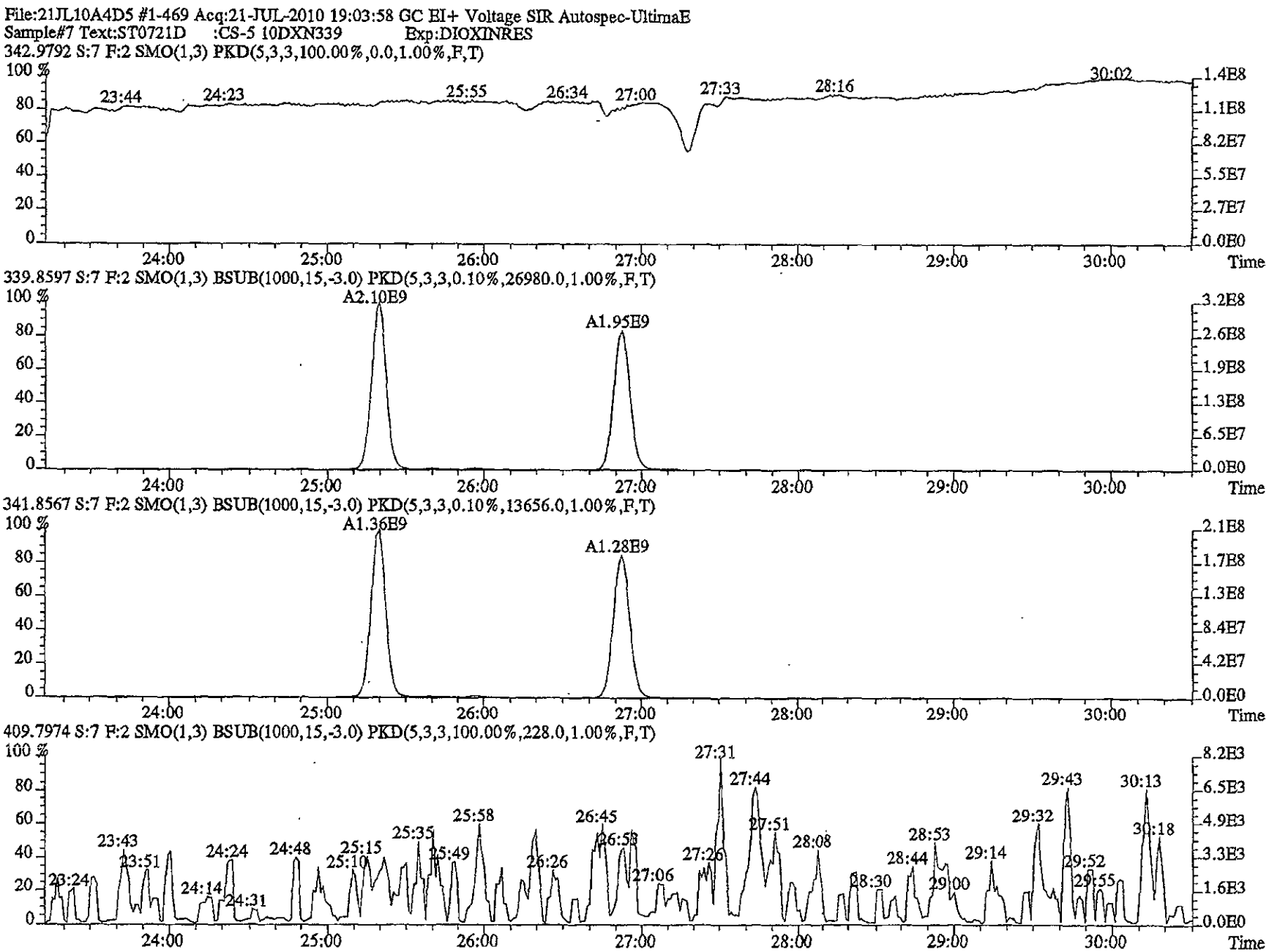
469.7779 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12384.0,1.00%,F,T)



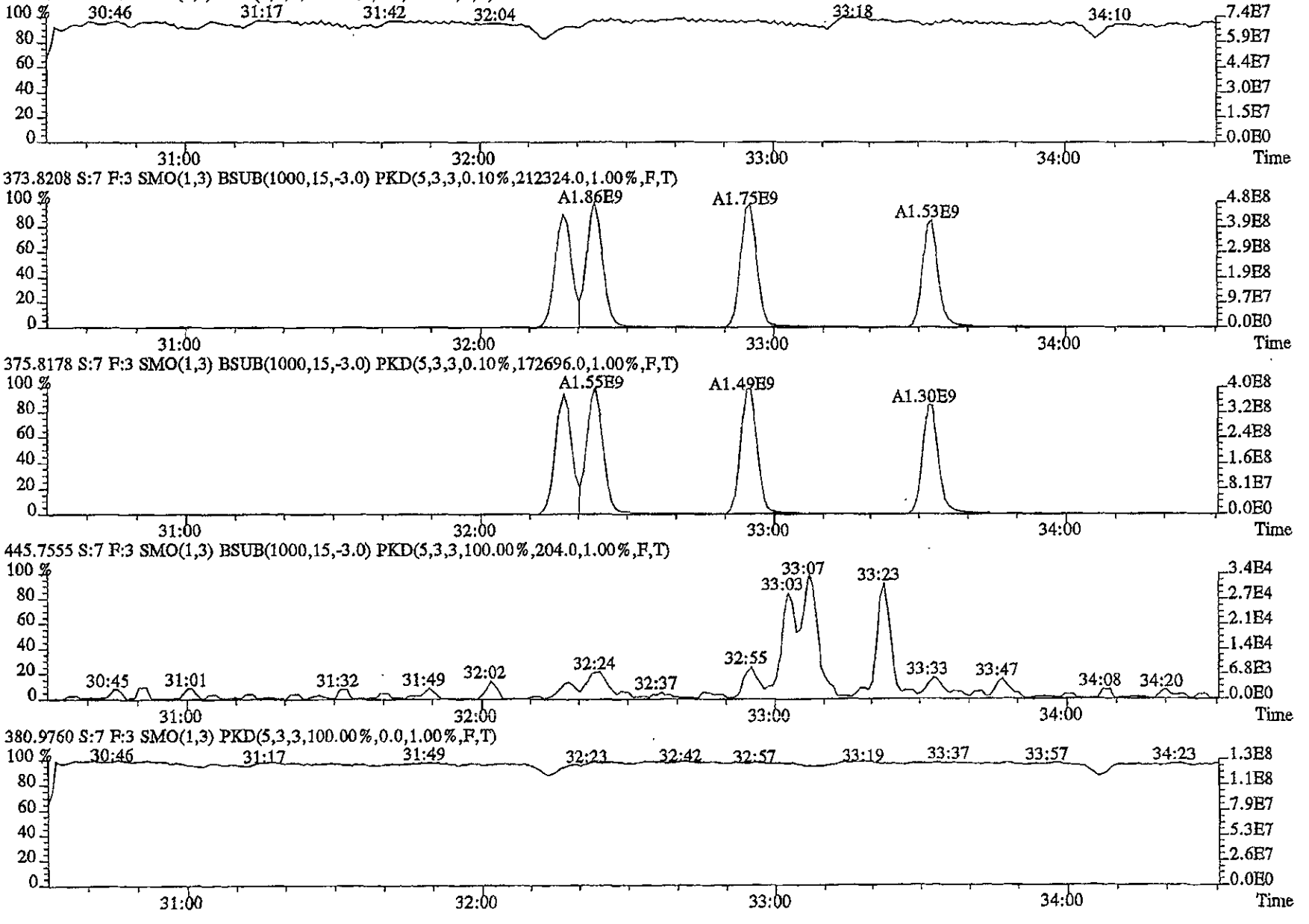
471.7750 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7720.0,1.00%,F,T)

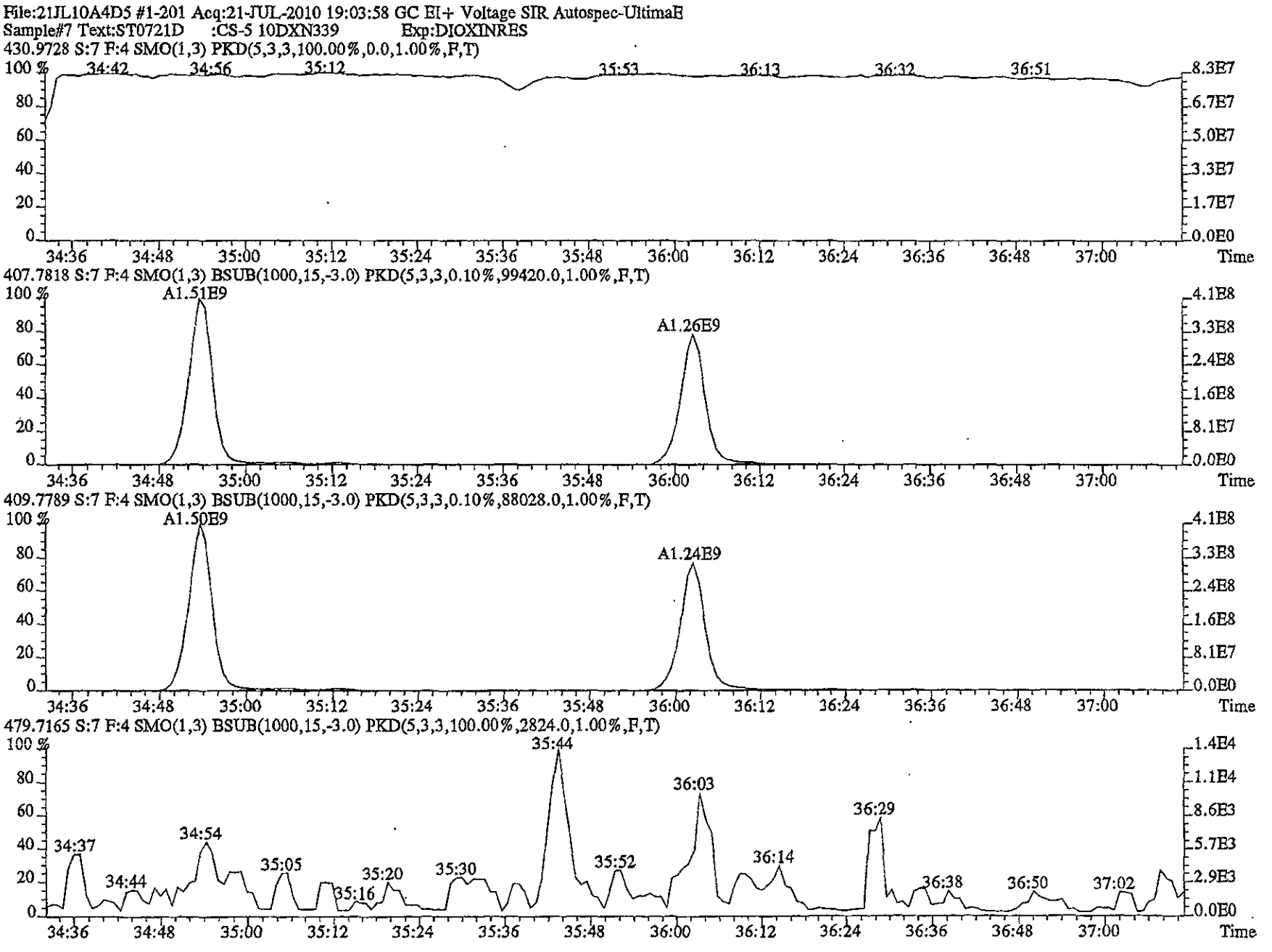


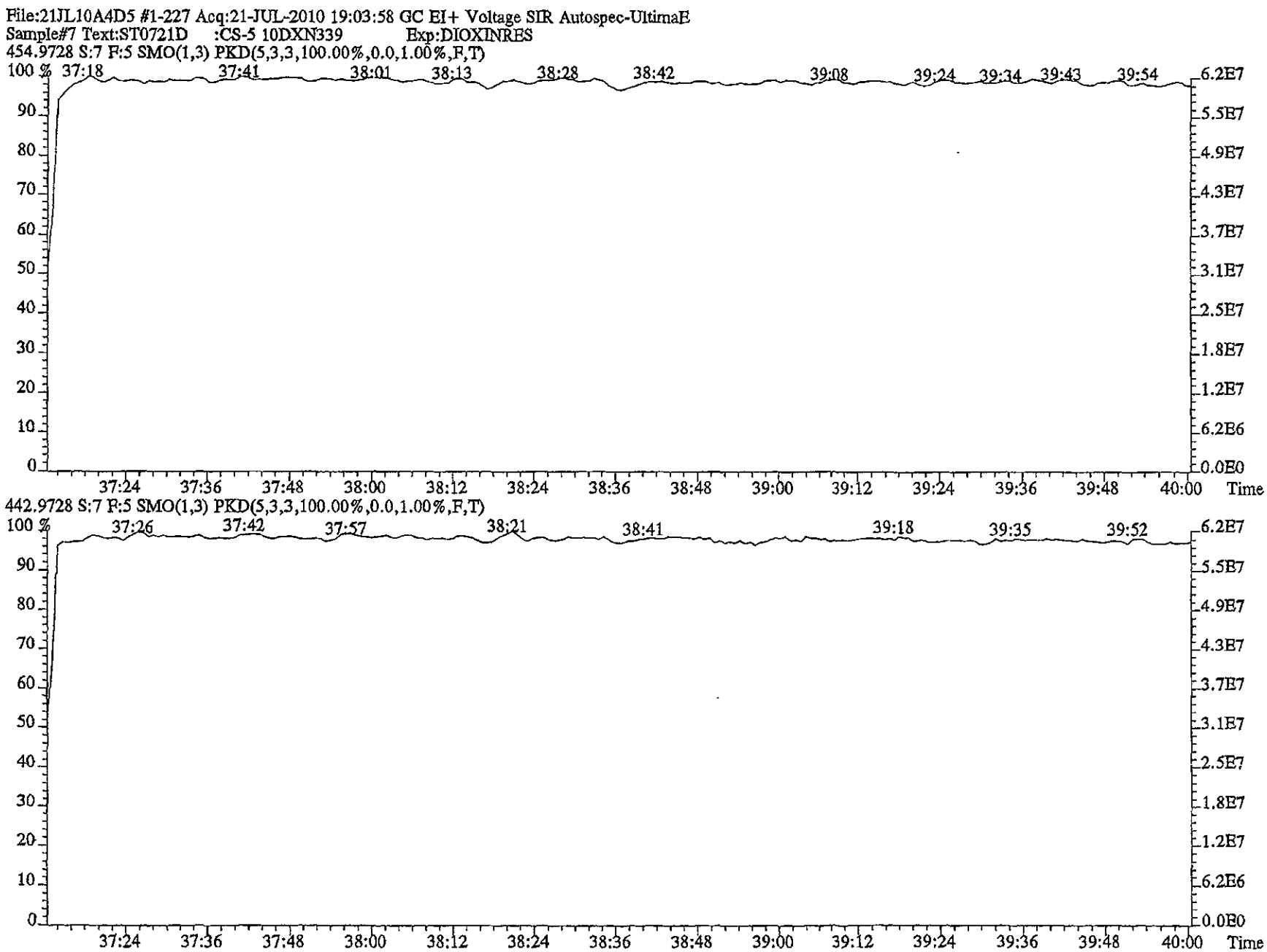


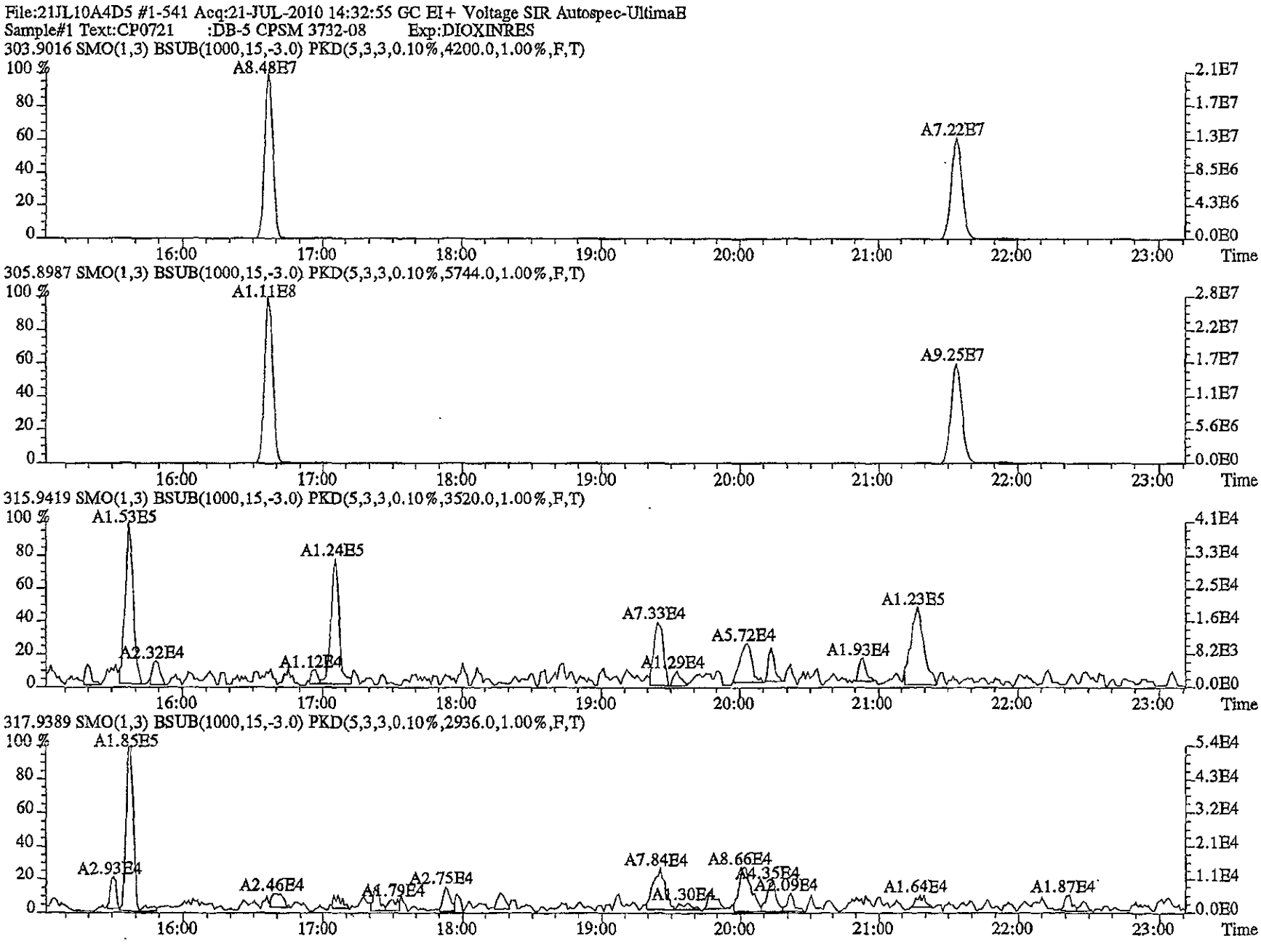


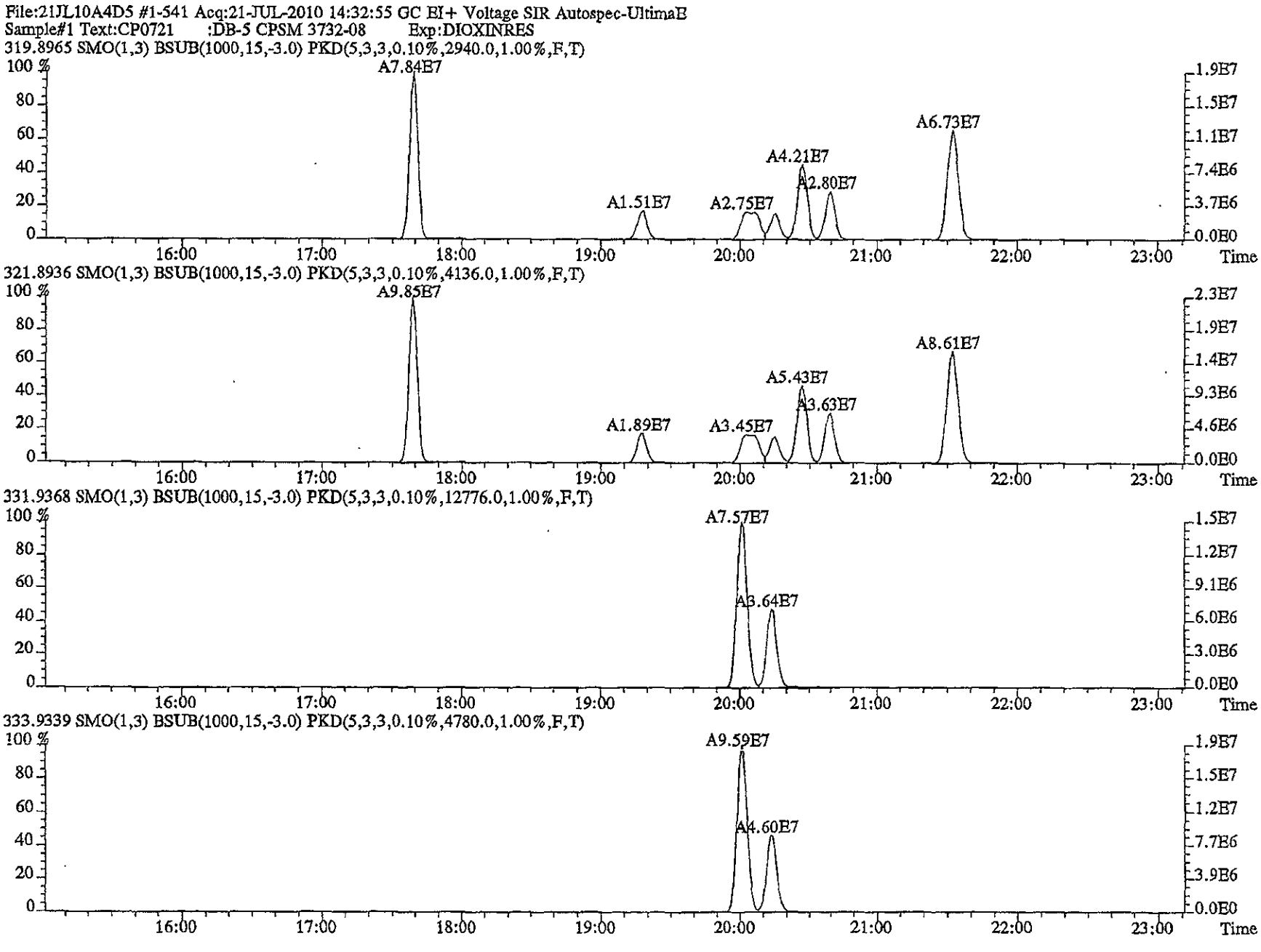
File:21JL10A4D5 #1-287 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES

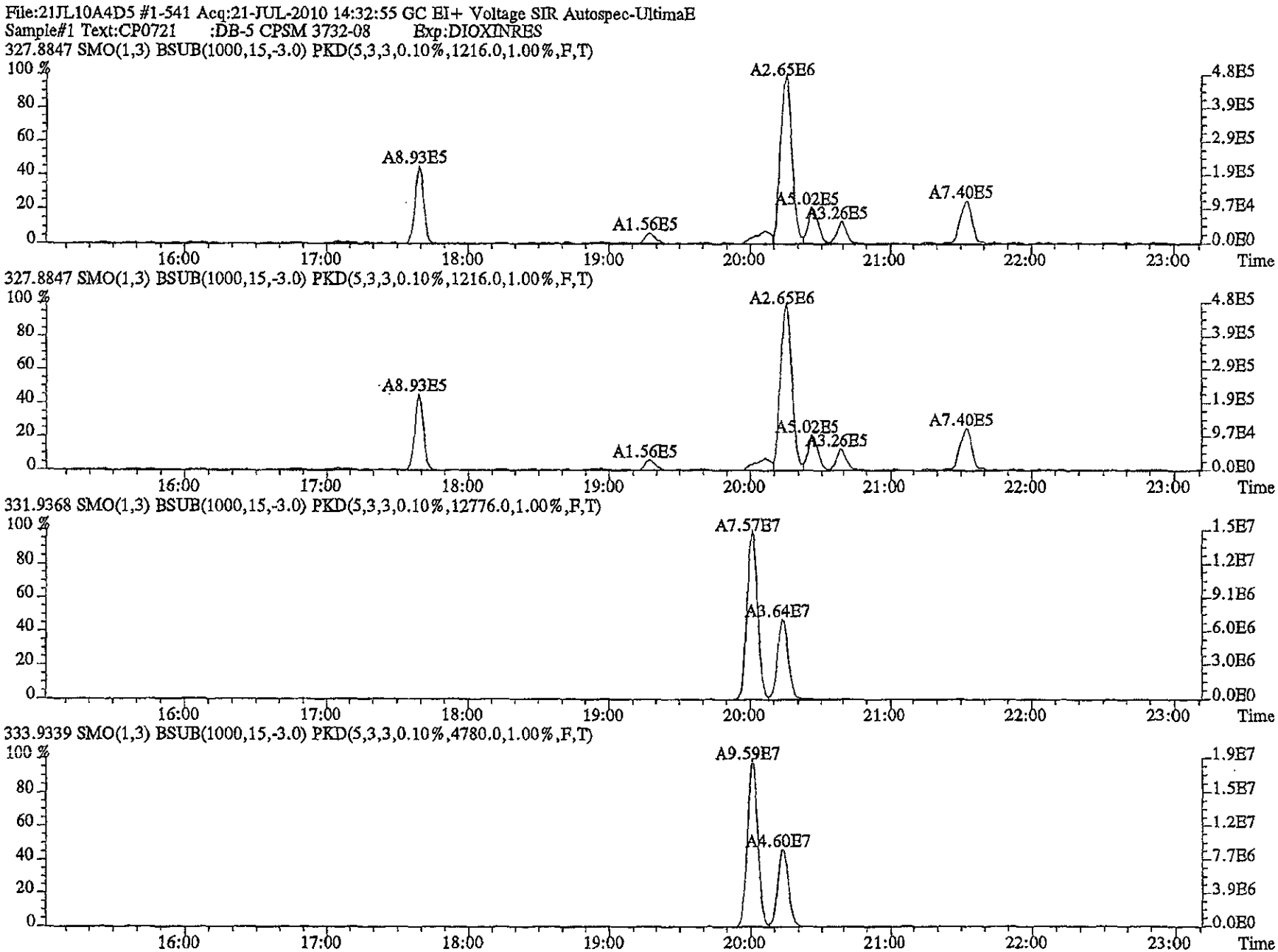


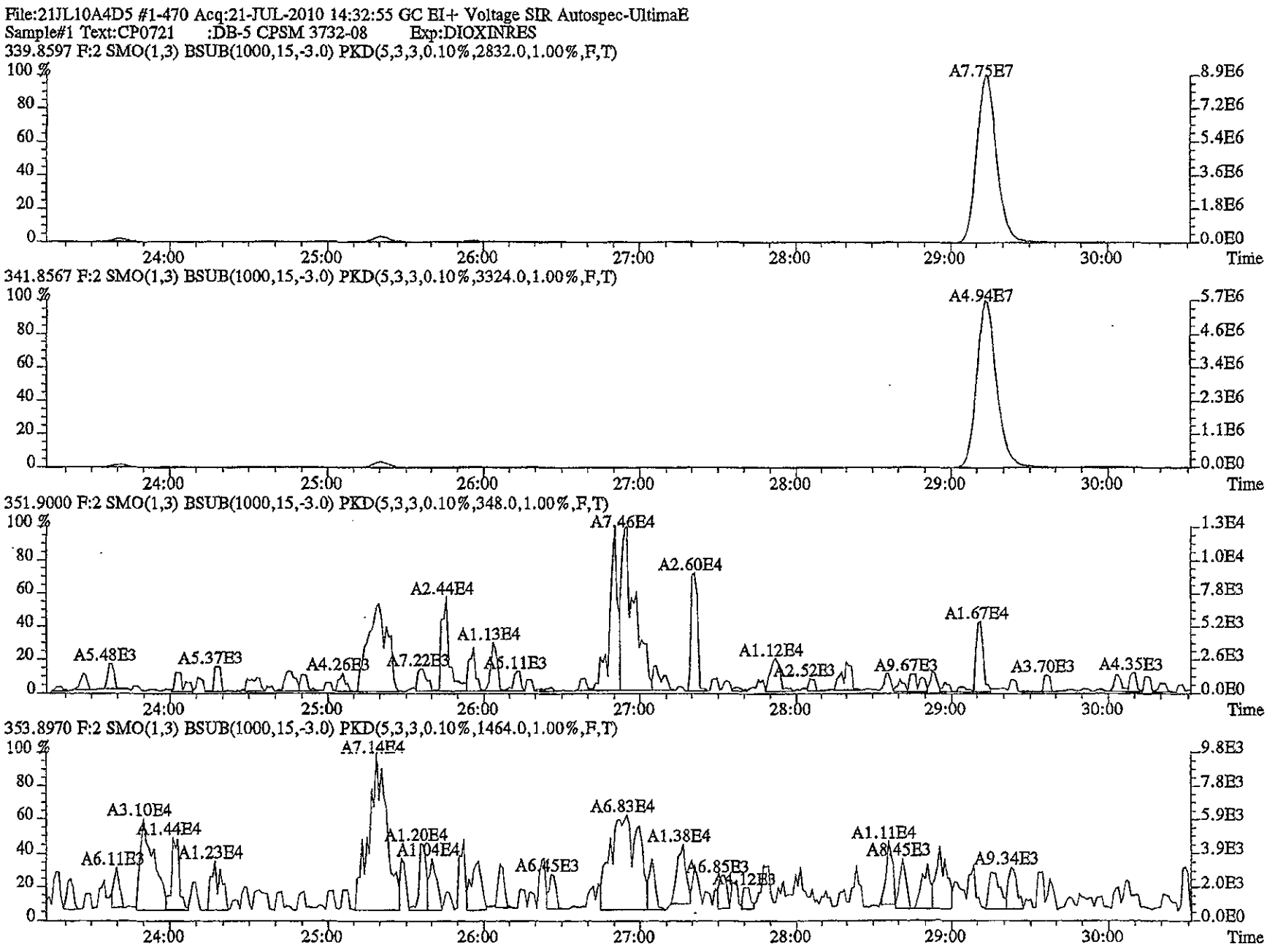

File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99420.0,1.00%,F,T)
A1.51E9
A1.26E9
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88028.0,1.00%,F,T)
A1.50E9
A1.24E9
479.7165 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2824.0,1.00%,F,T)
34:37
34:44
34:54
35:05
35:16
35:20
35:30
35:44
35:52
36:03
36:14
36:29
36:38
36:50
37:02
Time

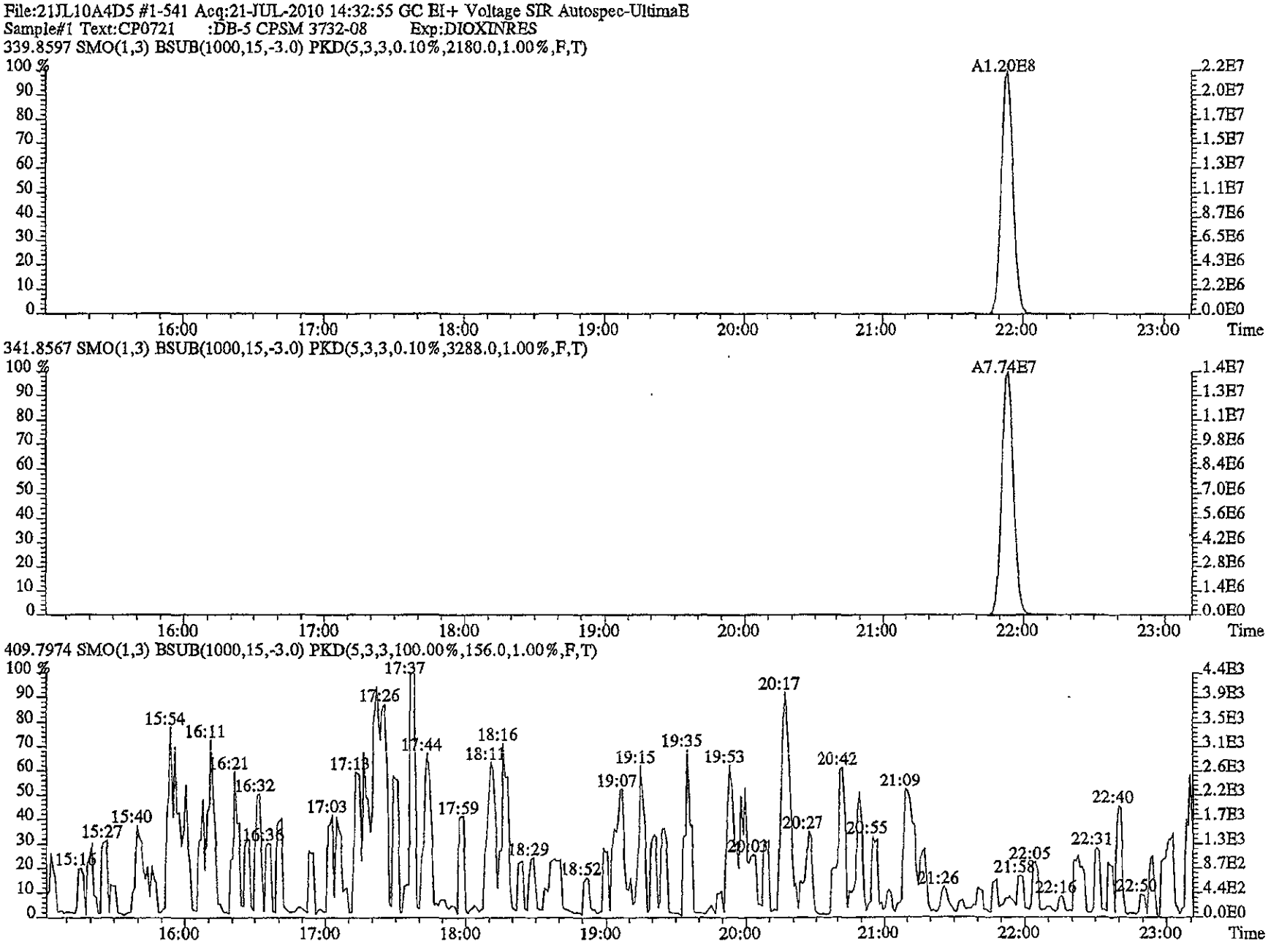




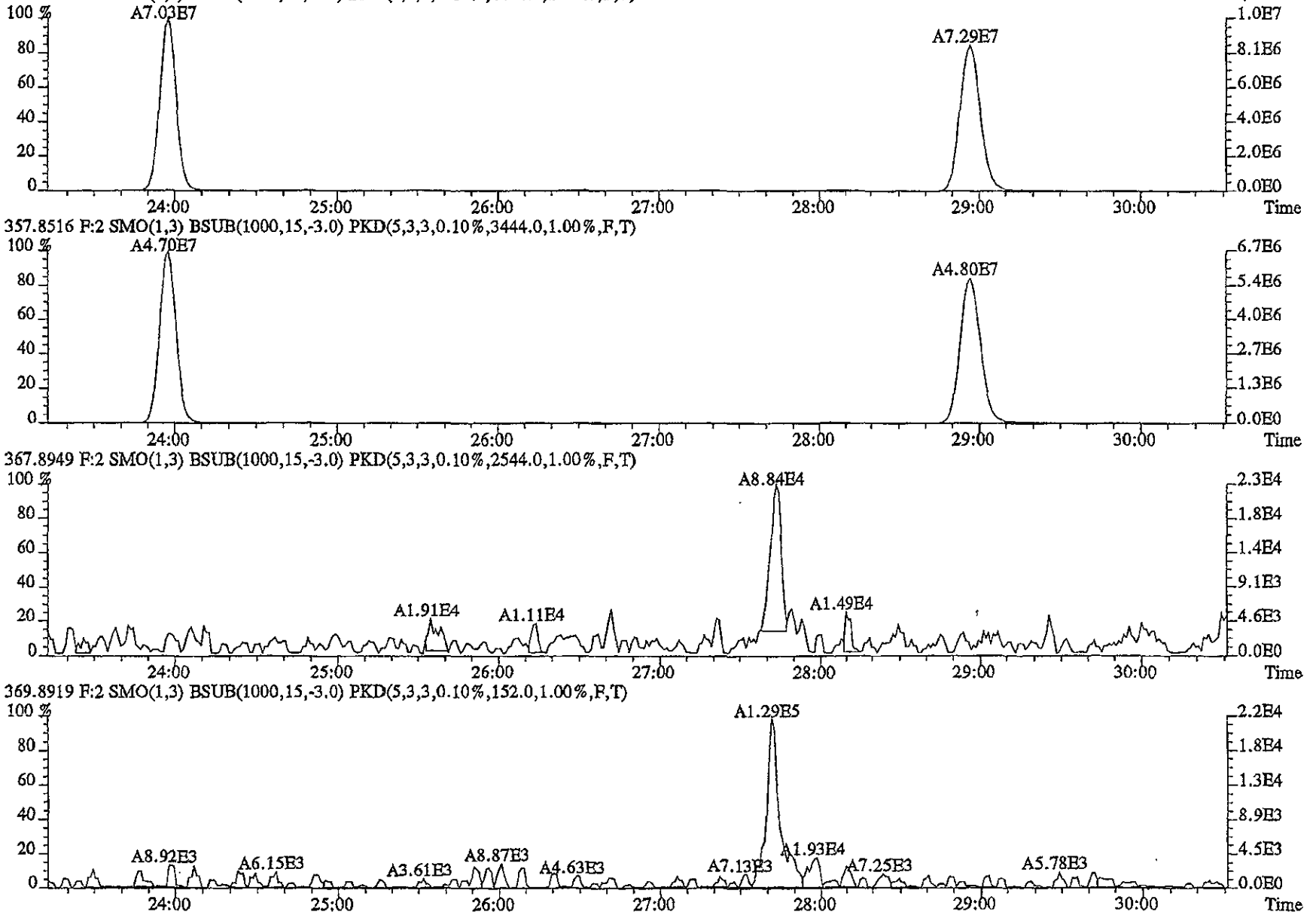




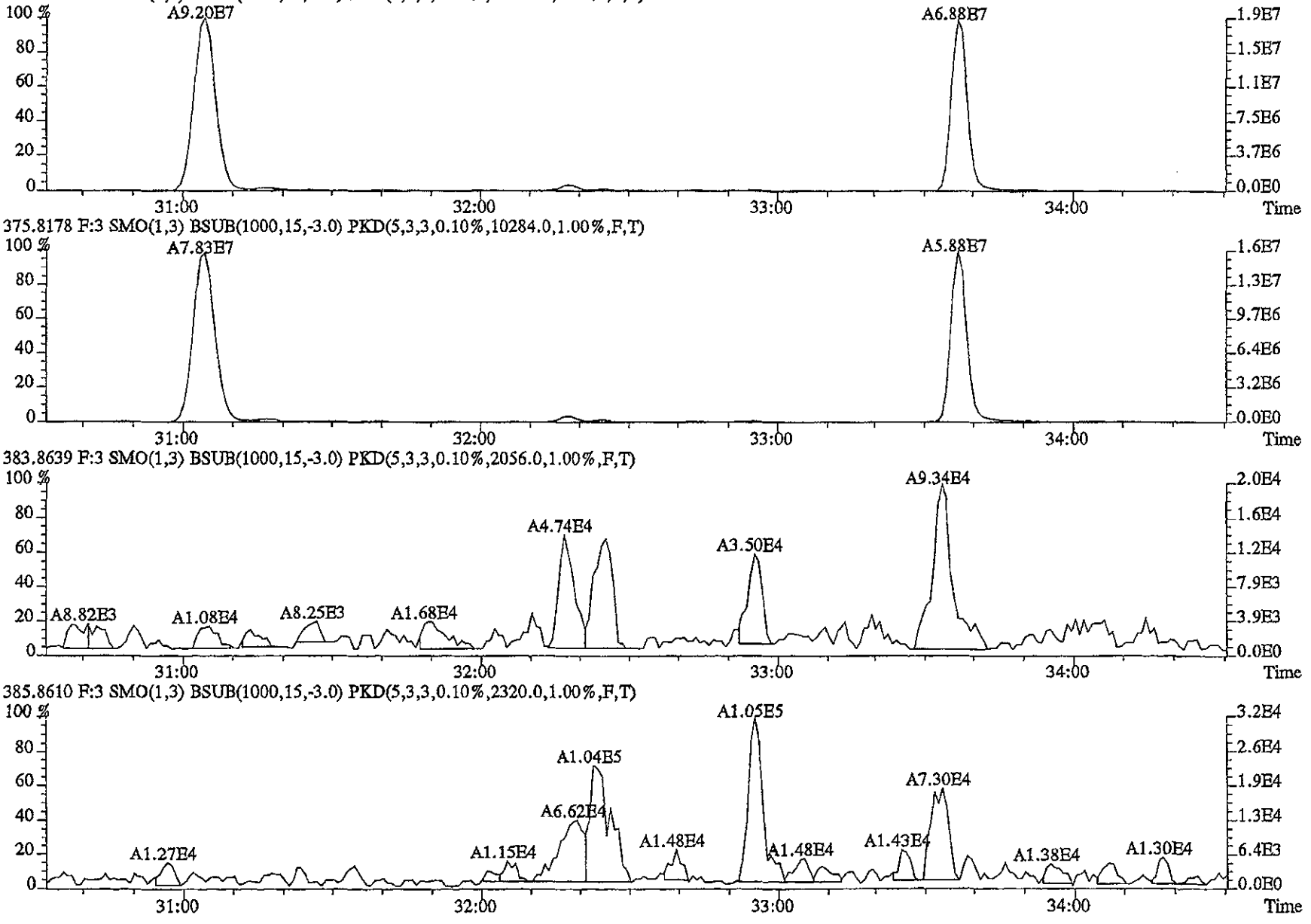

File:21JL10A4D5 #1-470 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)
A7.75E7
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3324.0,1.00%,F,T)
A4.94E7
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,348.0,1.00%,F,T)
A7.46E4
A2.60E4
A2.44E4
A1.13E4
A1.67E4
A1.12E4
A5.48E3
A5.37E3
A4.26E3
A7.22E3
A5.11E3
A2.52E3
A9.67E3
A3.70E3
A4.35E3
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1464.0,1.00%,F,T)
A7.14E4
A3.10E4
A1.44E4
A6.83E4
A1.38E4
A1.20E4
A1.11E4
A1.23E4
A6.11E3
A6.45E3
A6.85E3
A8.45E3
A9.34E3
Time

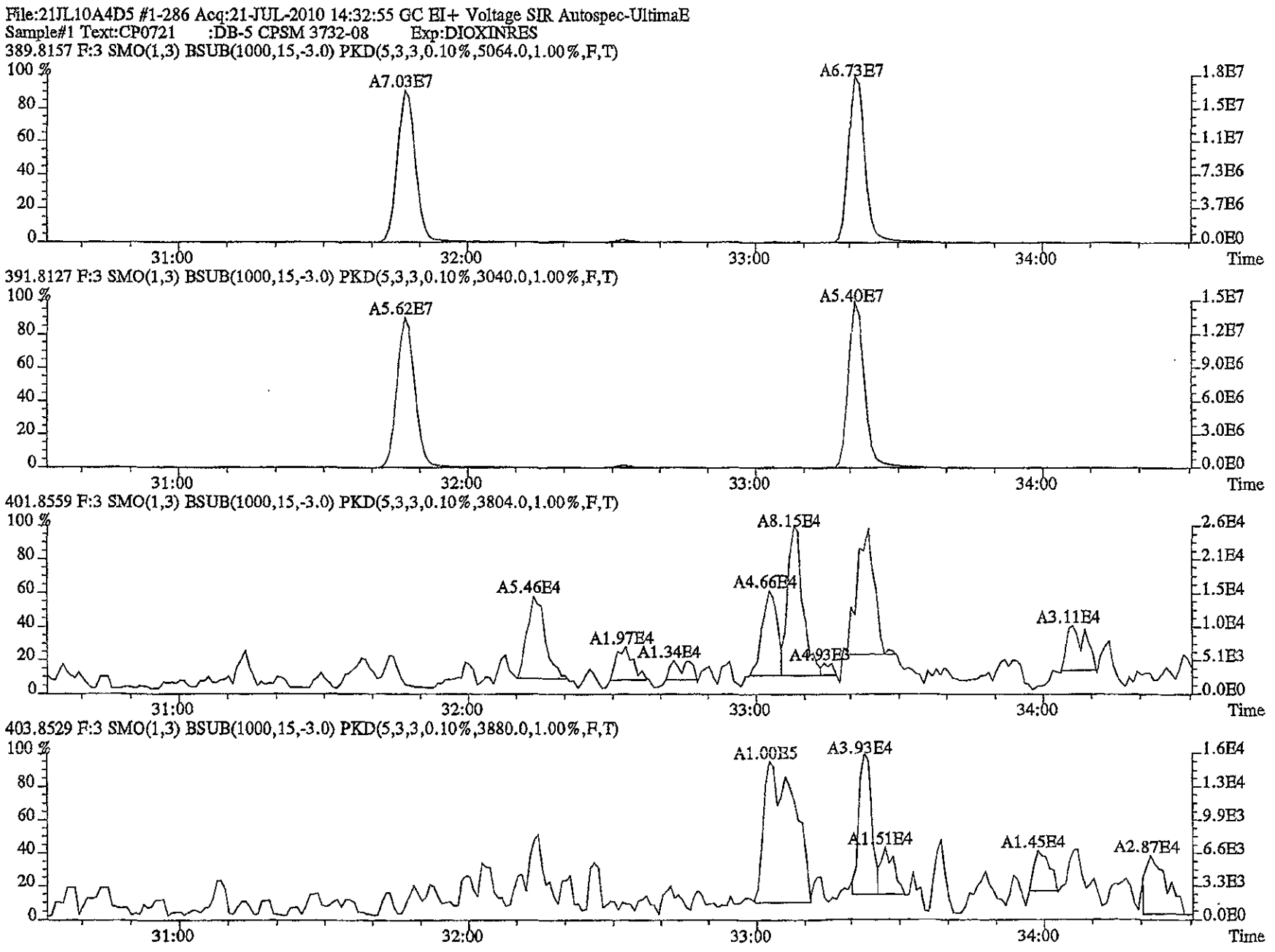

File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaB
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2180.0,1.00%,F,T)
A1.20E8
341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3288.0,1.00%,F,T)
A7.74E7
409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,156.0,1.00%,F,T)
15:16
15:27
15:40
15:54
16:11
16:21
16:32
16:38
17:03
17:13
17:26
17:37
17:44
17:59
18:11
18:16
18:29
18:52
19:07
19:15
19:35
19:53
20:03
20:17
20:27
20:42
20:55
21:09
21:26
21:58
22:05
22:16
22:31
22:40
22:50
Time

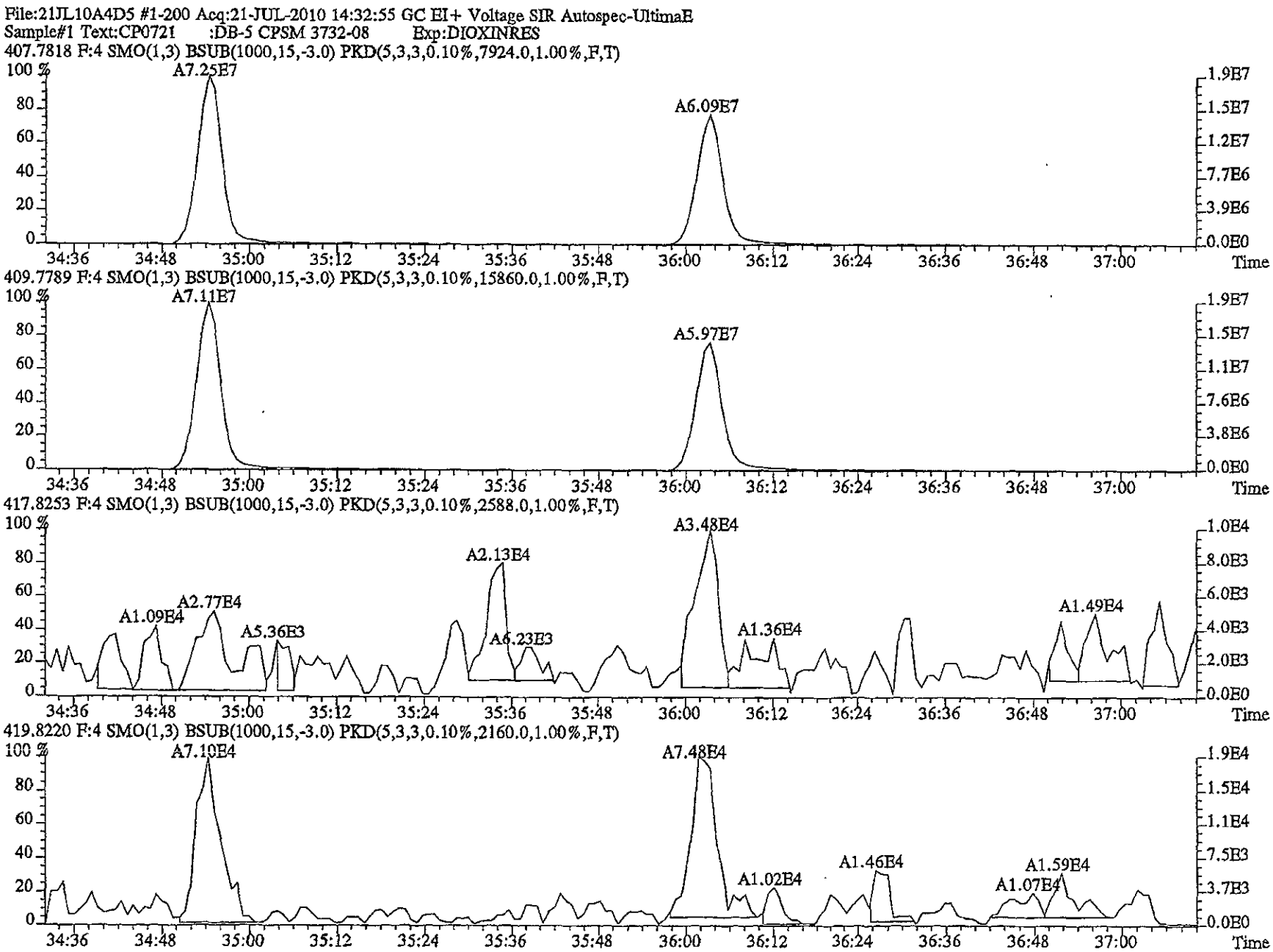
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



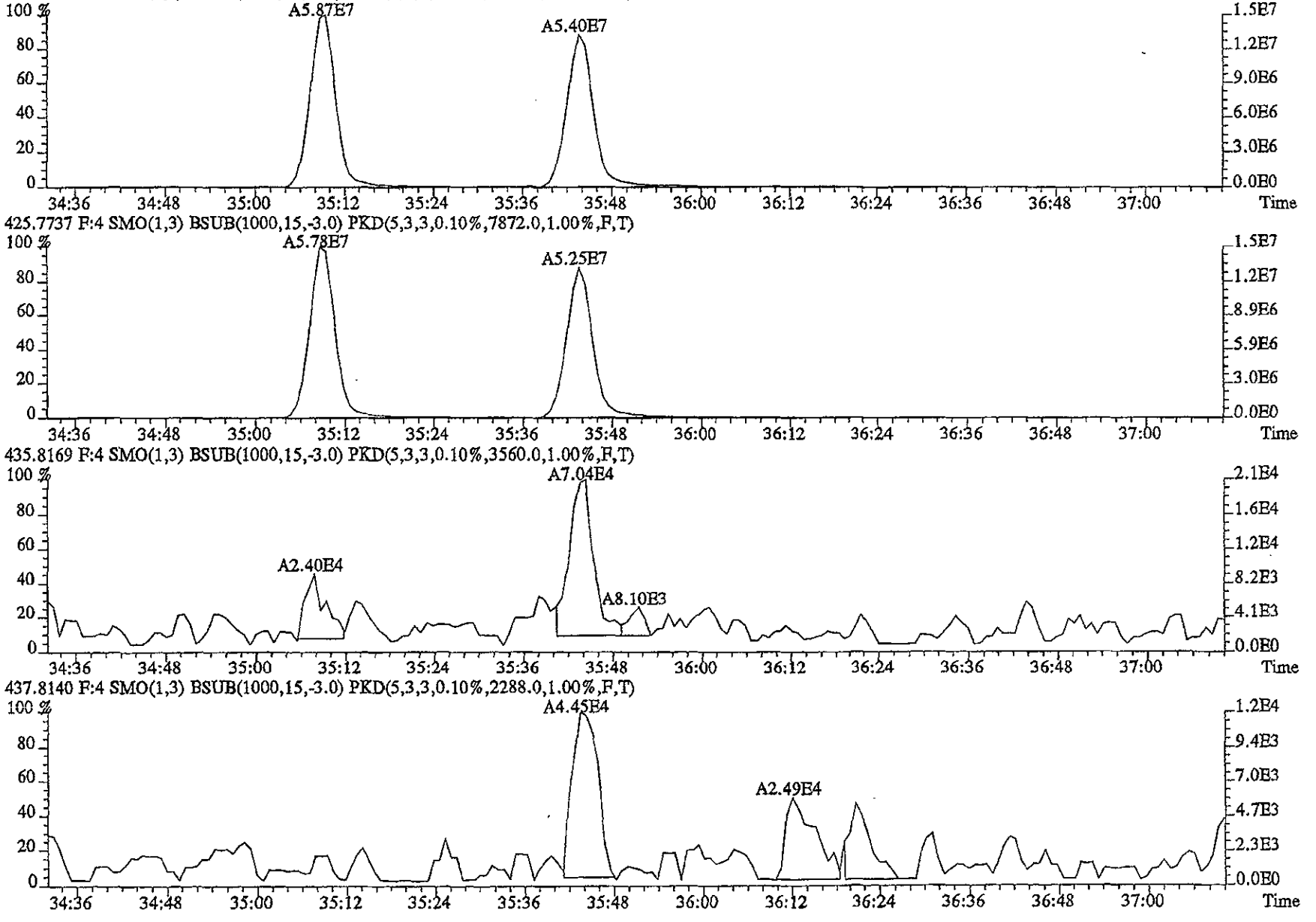
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES

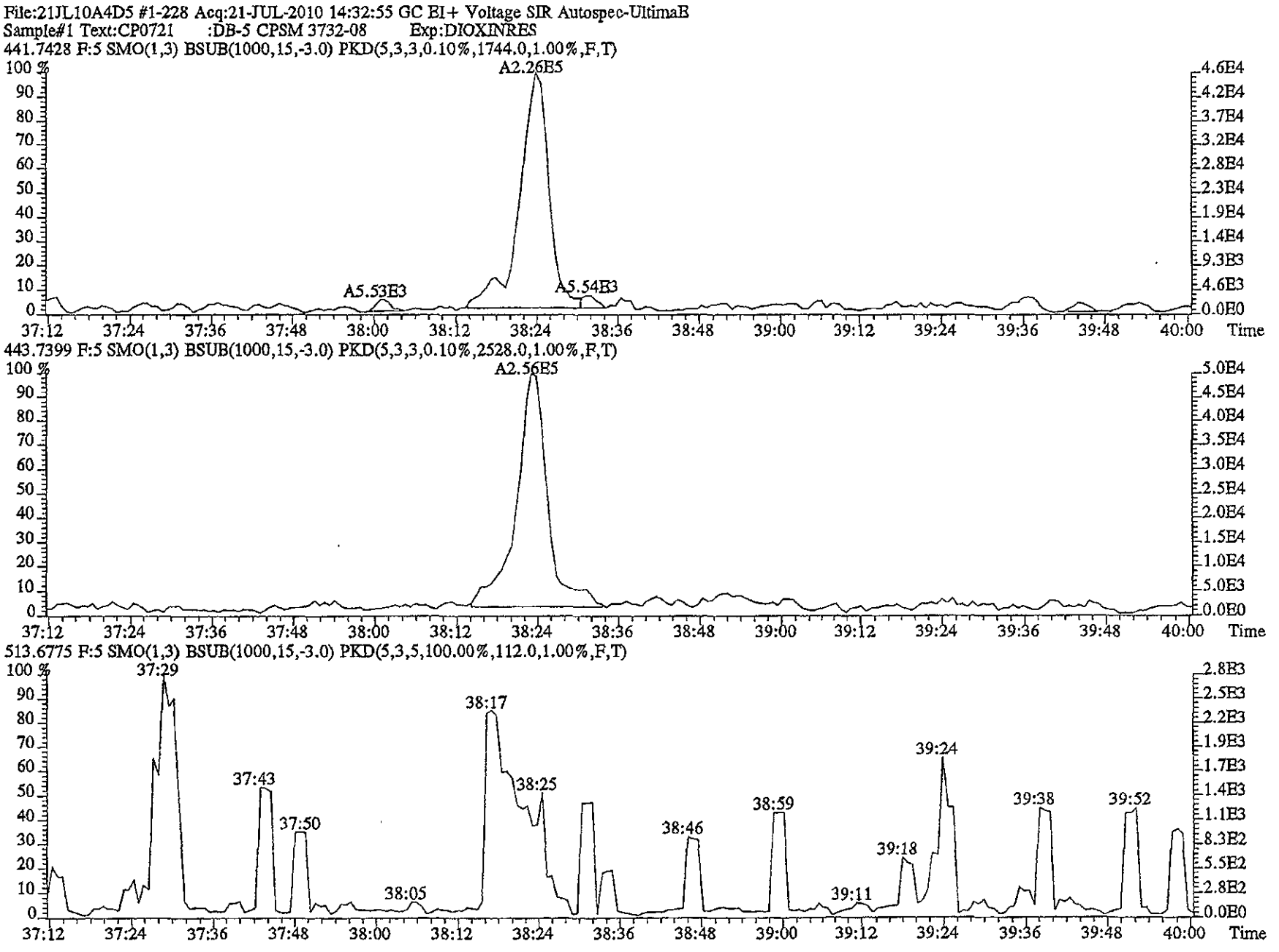




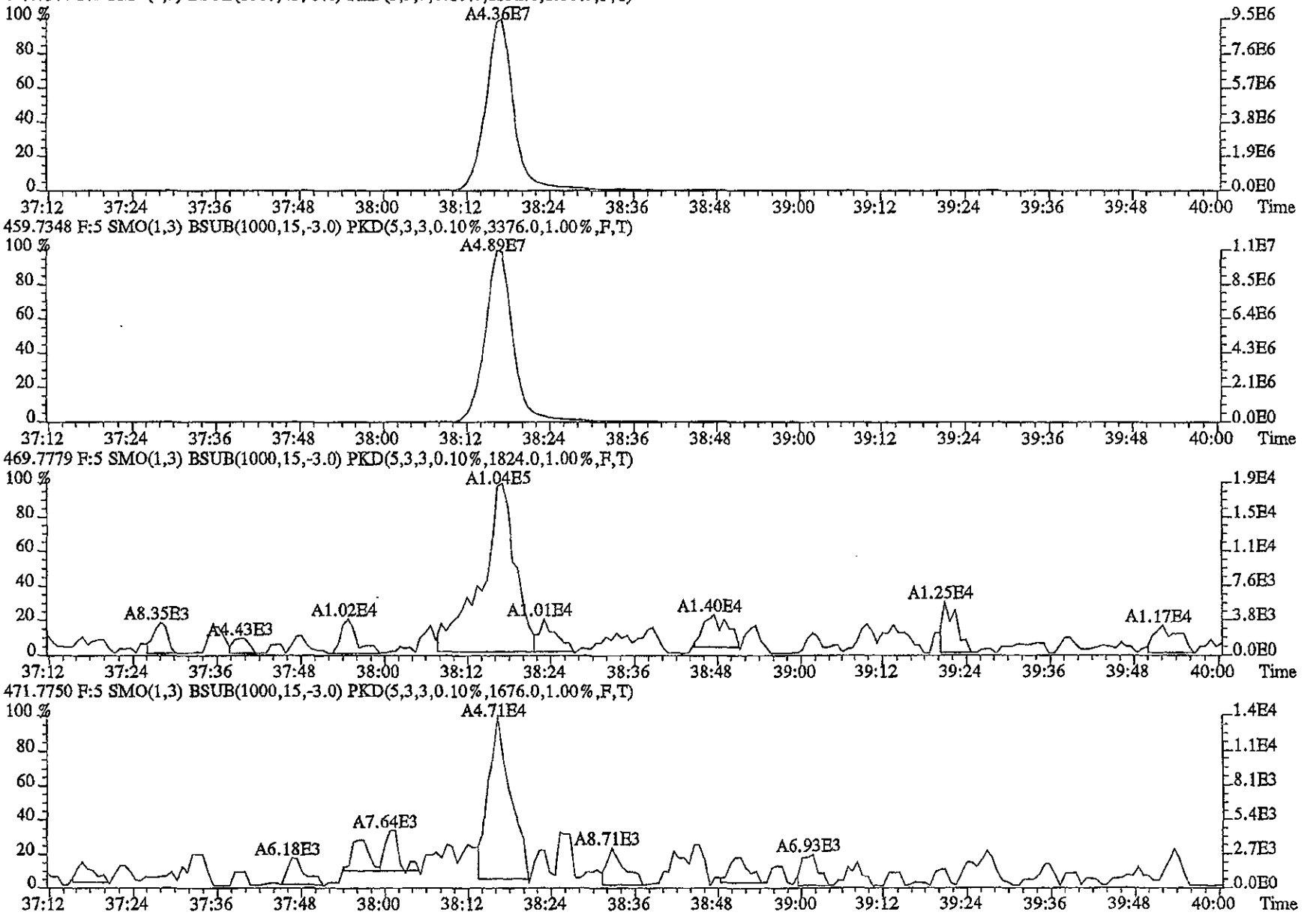

File:21JL10A4D5 #1-200 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7924.0,1.00%,F,T)
A7.25E7
A6.09E7
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15860.0,1.00%,F,T)
A7.11E7
A5.97E7
417.8253 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2588.0,1.00%,F,T)
A3.48E4
A2.13E4
A2.77E4
A1.09E4
A5.36E3
A6.23E3
A1.36E4
A1.49E4
419.8220 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2160.0,1.00%,F,T)
A7.10E4
A7.48E4
A1.02E4
A1.46E4
A1.07E4
A1.59E4
Time

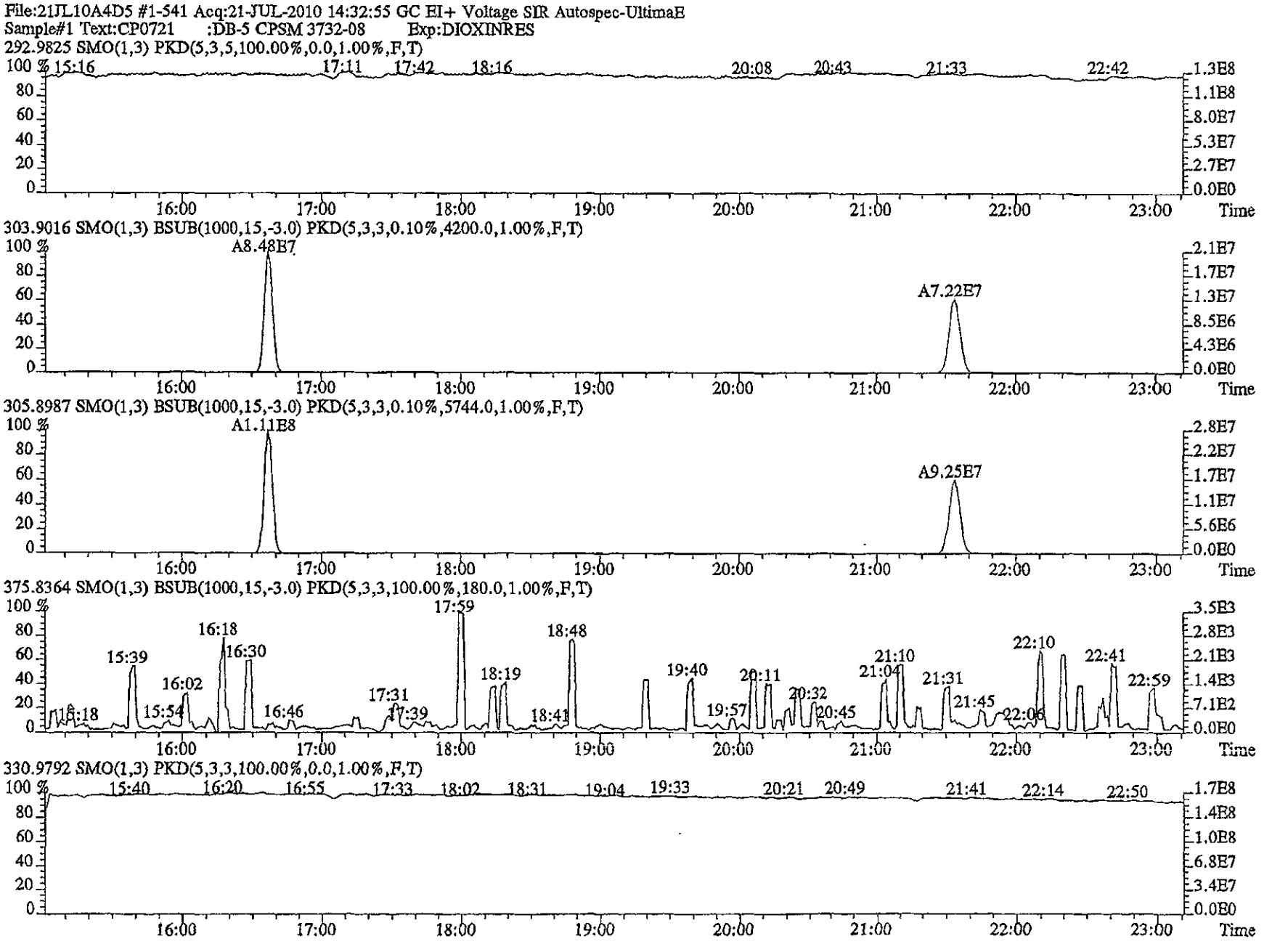
File:21JL10A4D5 #1-200 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES




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)
A2.26E5
A5.53E3
A5.54E3
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2528.0,1.00%,F,T)
A2.56E5
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,112.0,1.00%,F,T)
37:29
37:43
37:50
38:05
38:17
38:25
38:46
38:59
39:11
39:18
39:24
39:38
39:52
Time

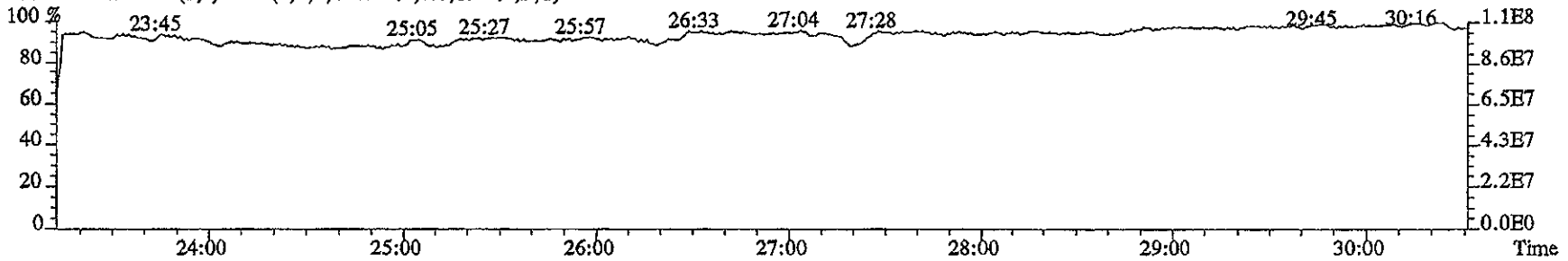
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



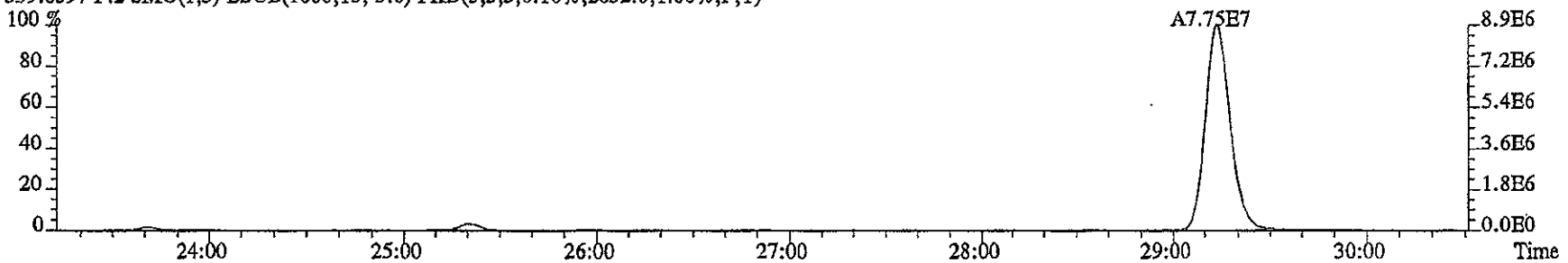


File:21JL10A4D5 #1-470 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES

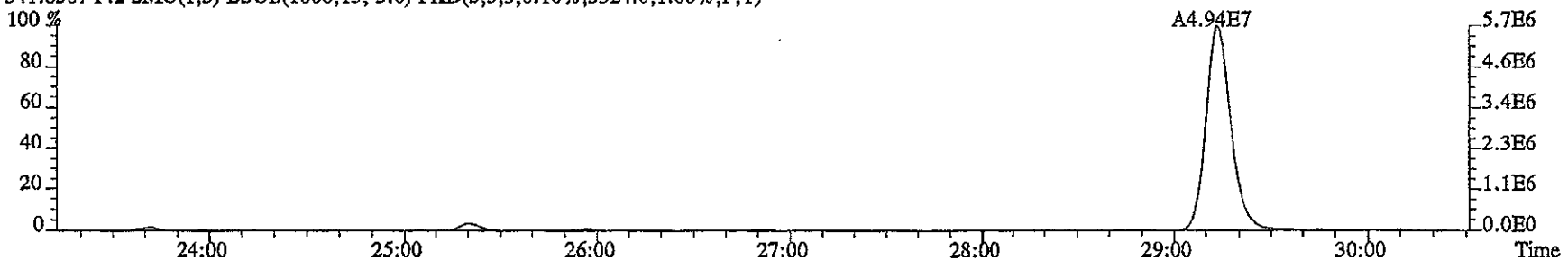
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



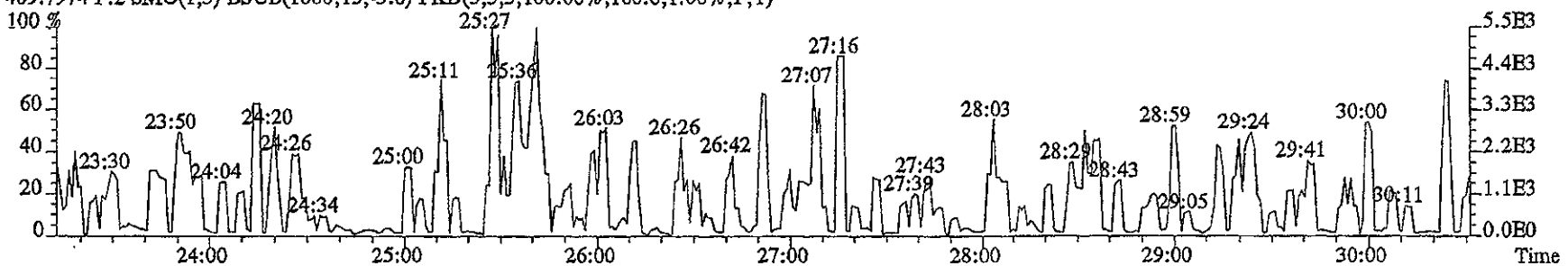
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)



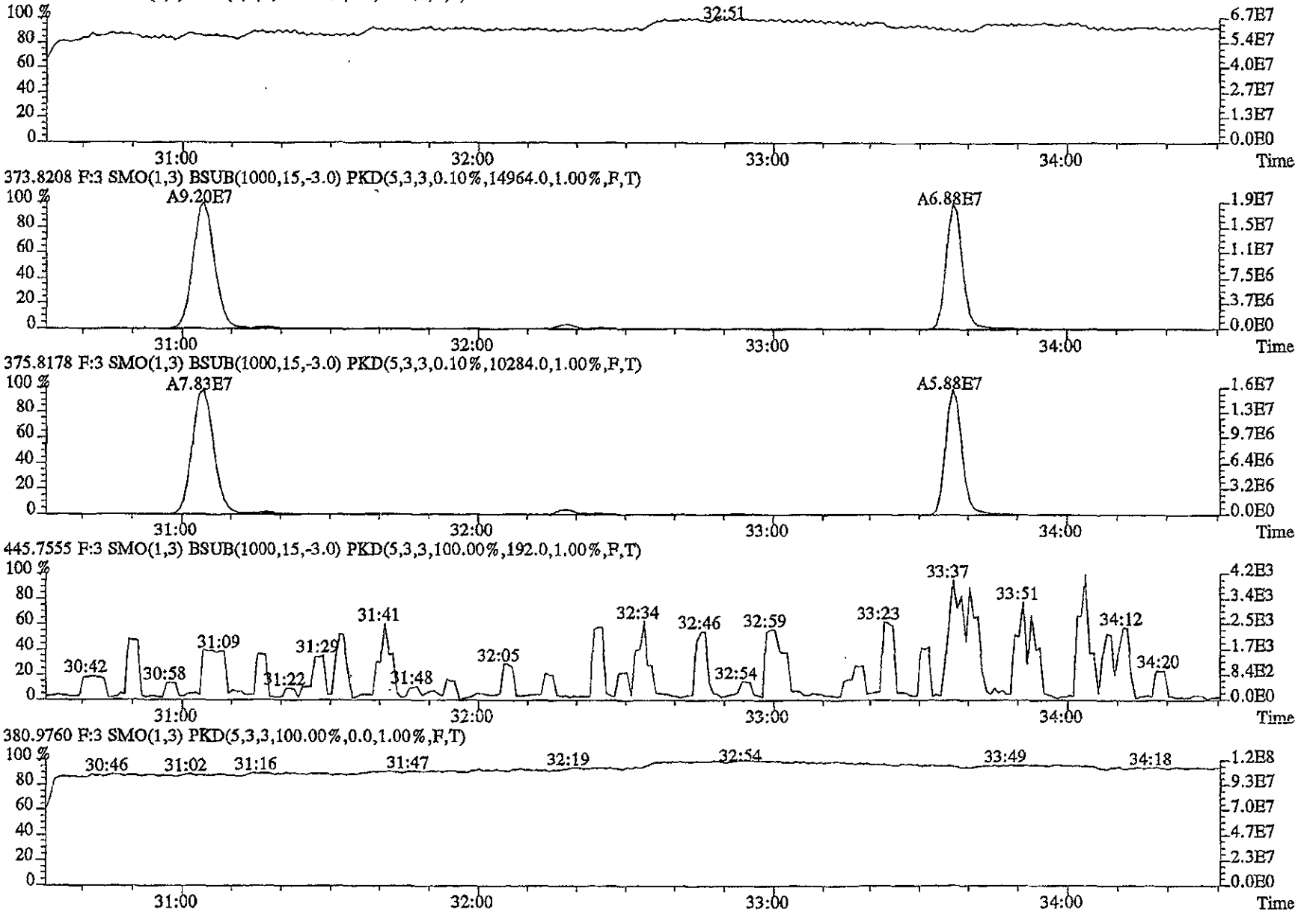
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3324.0,1.00%,F,T)



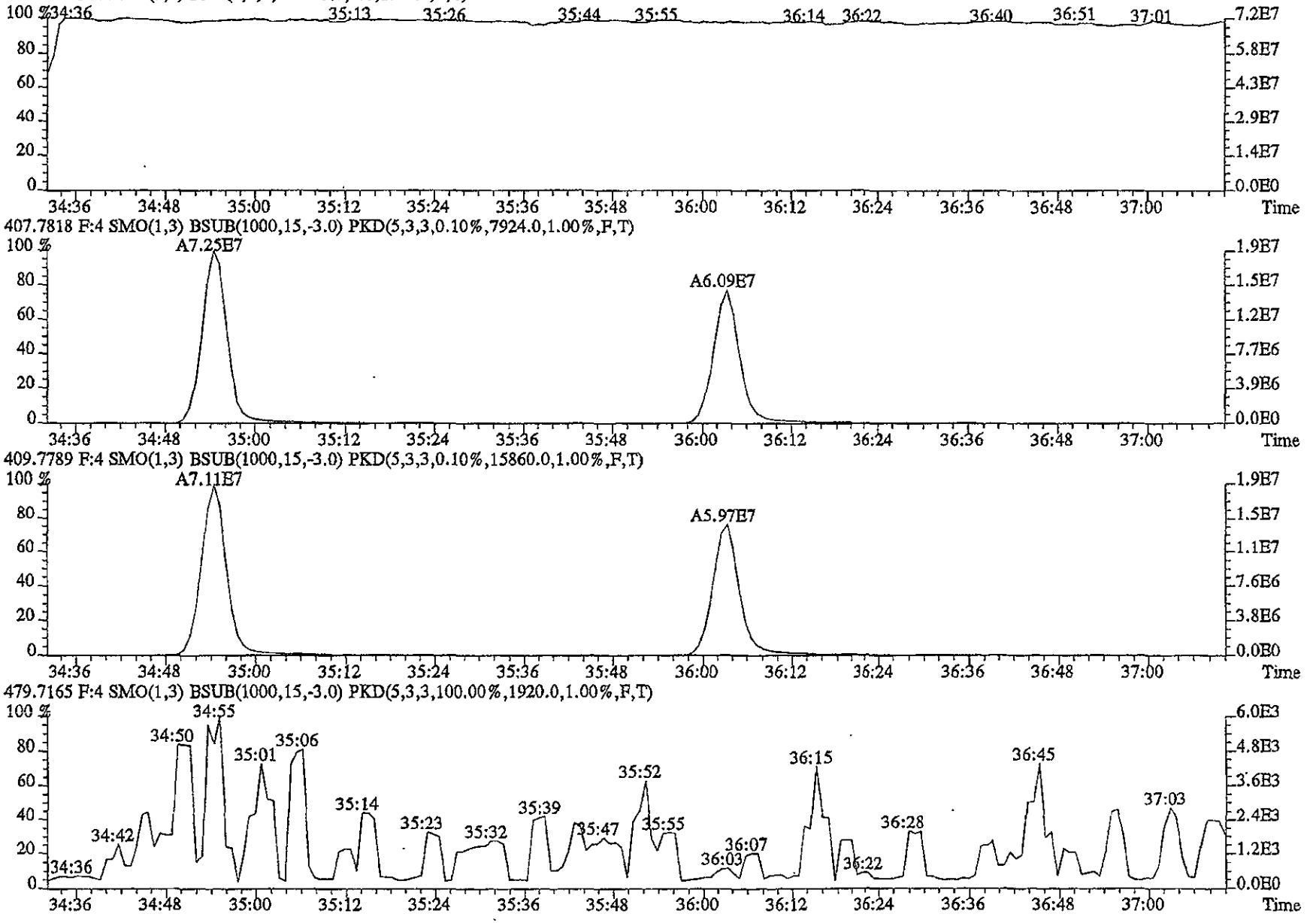
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,160.0,1.00%,F,T)



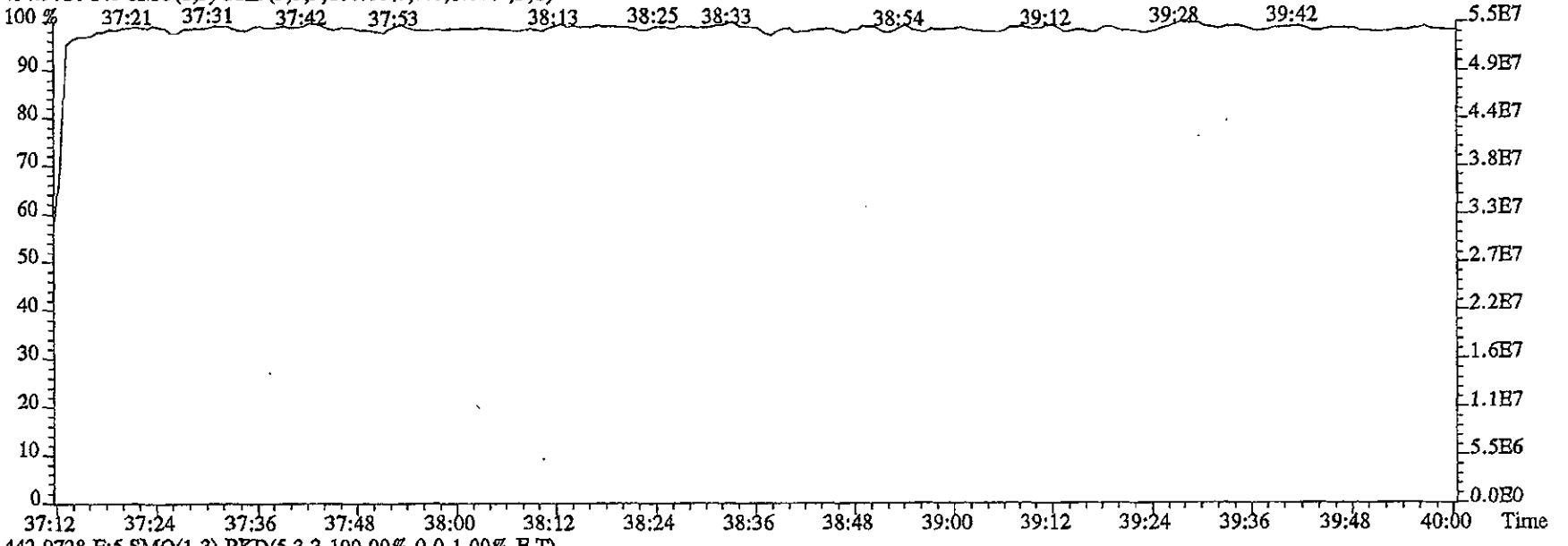
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



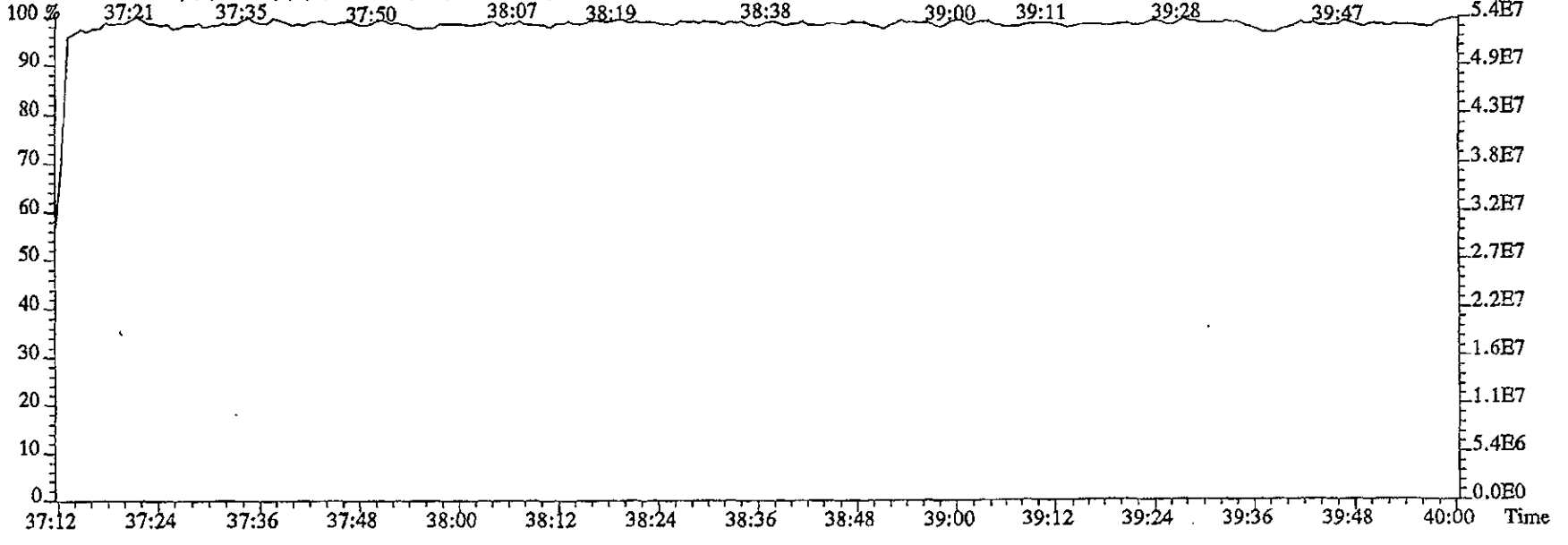
File:21JL10A4D5 #1-200 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES



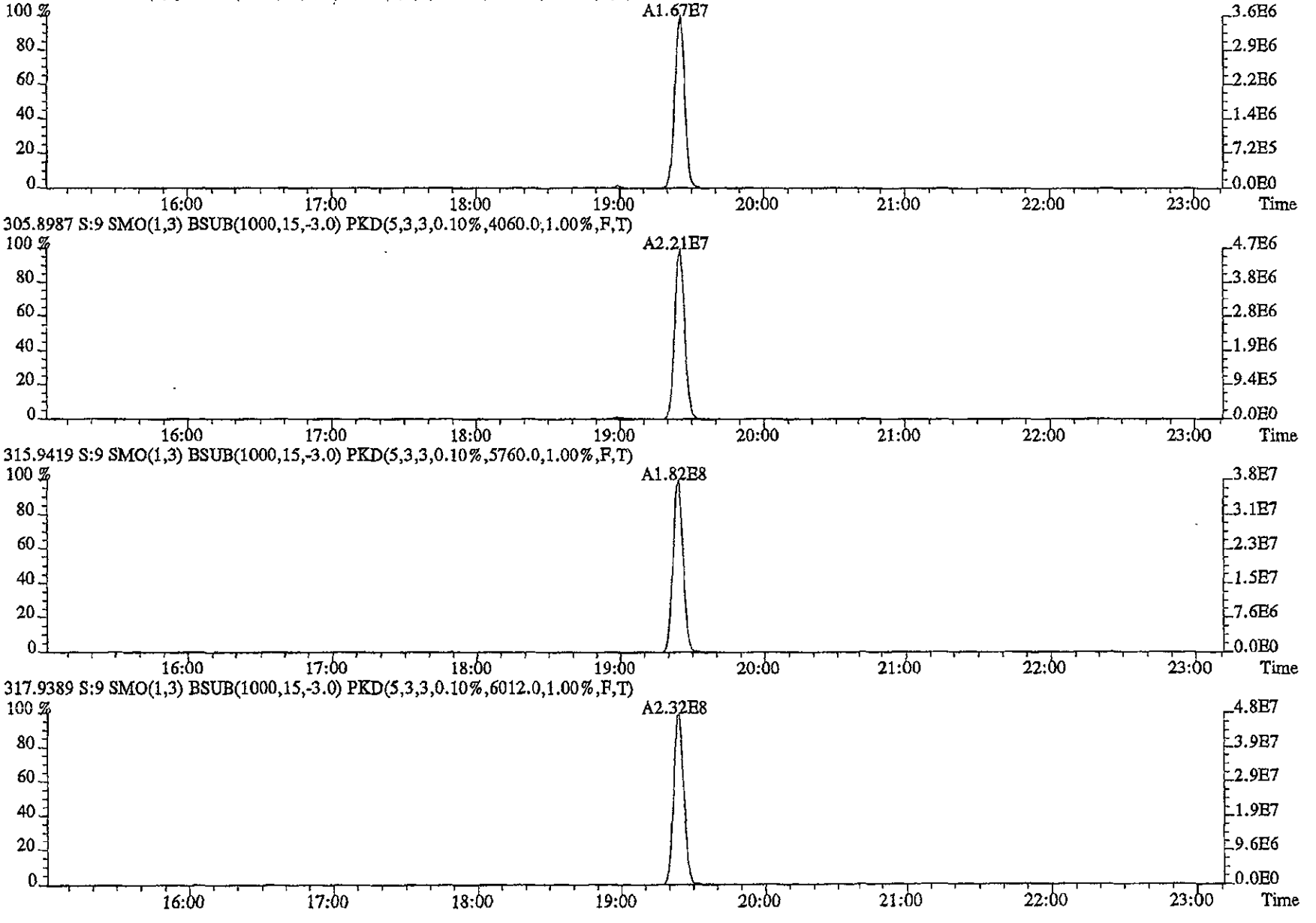
File:21JL10A4D5 #1-228 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

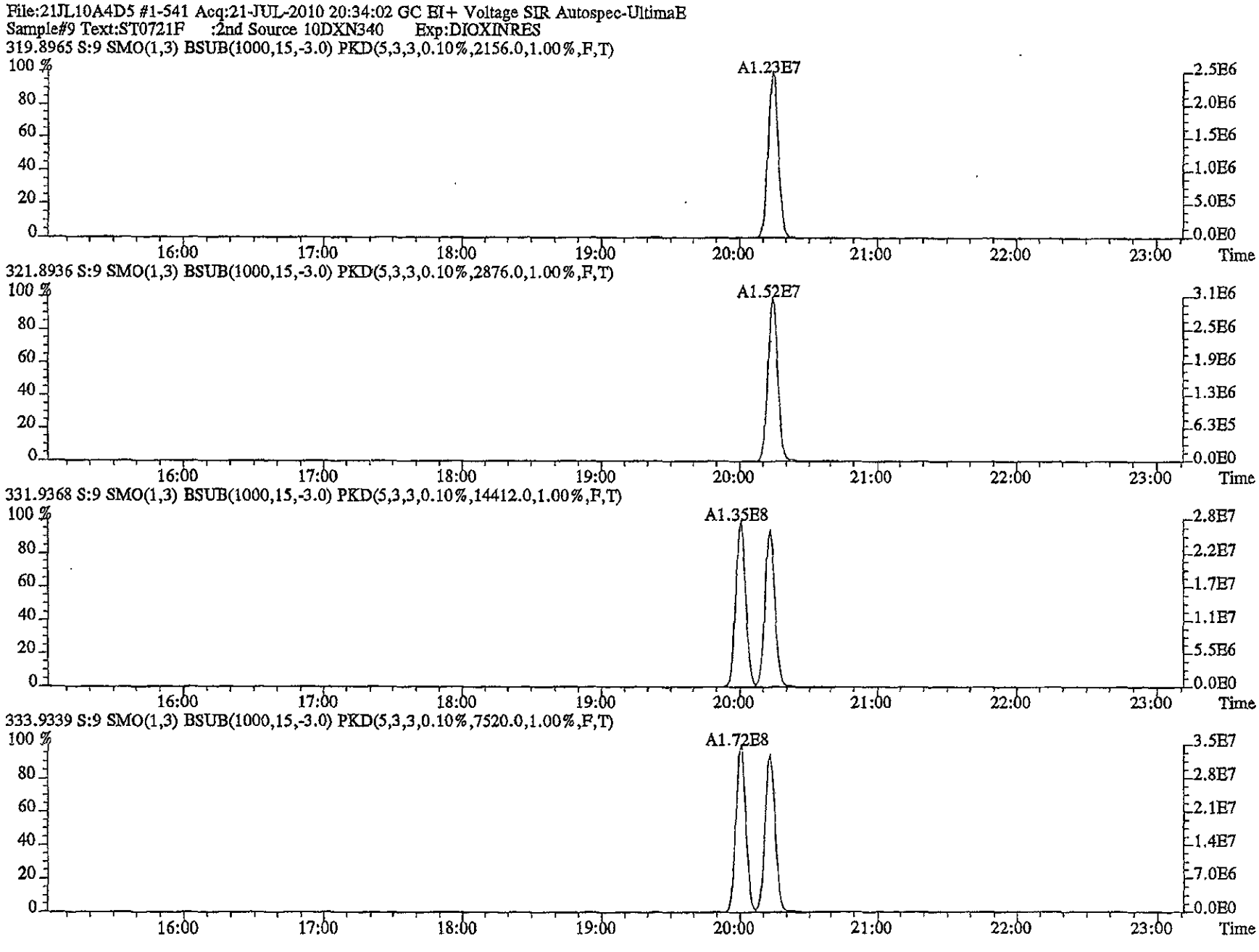


442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

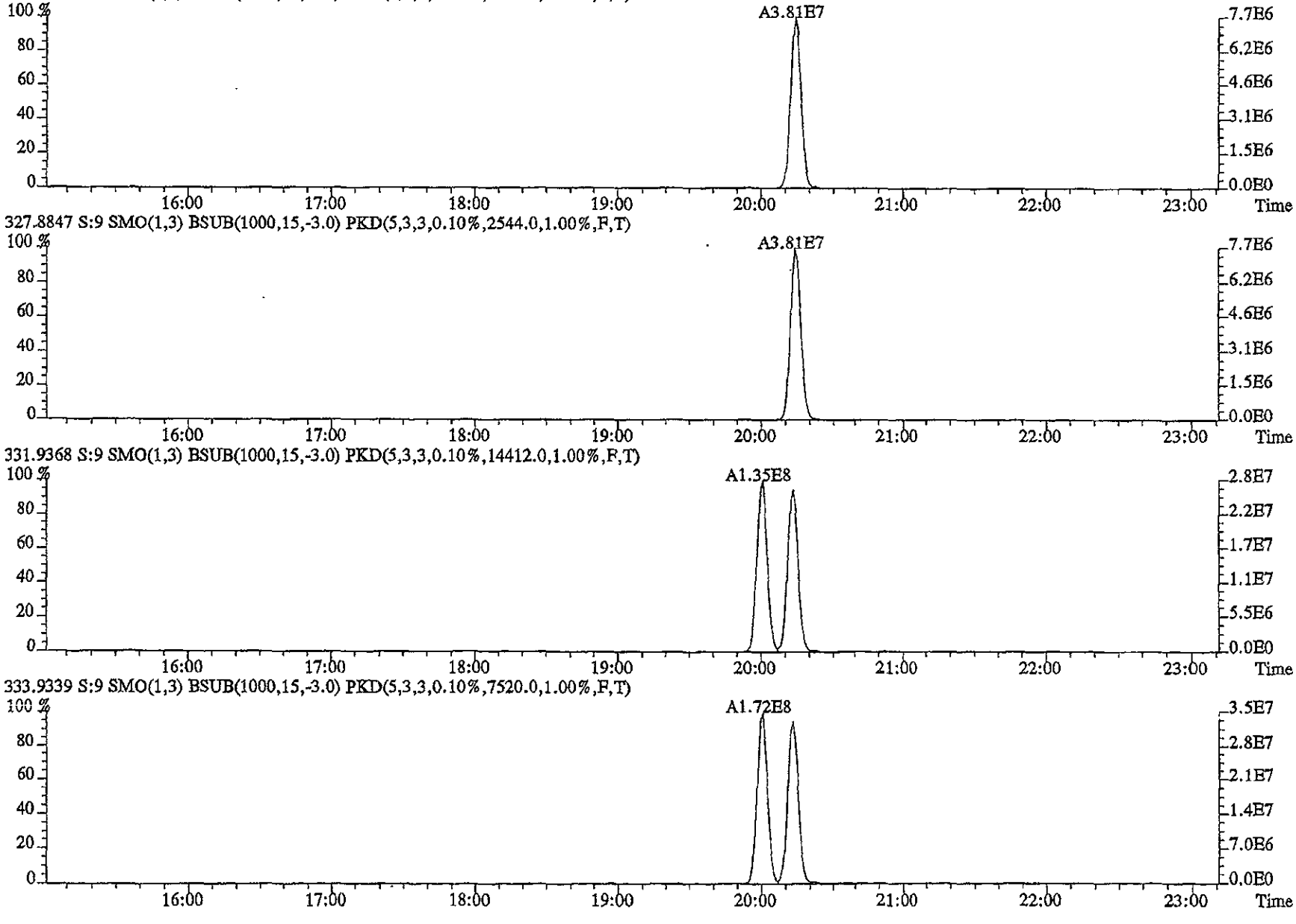


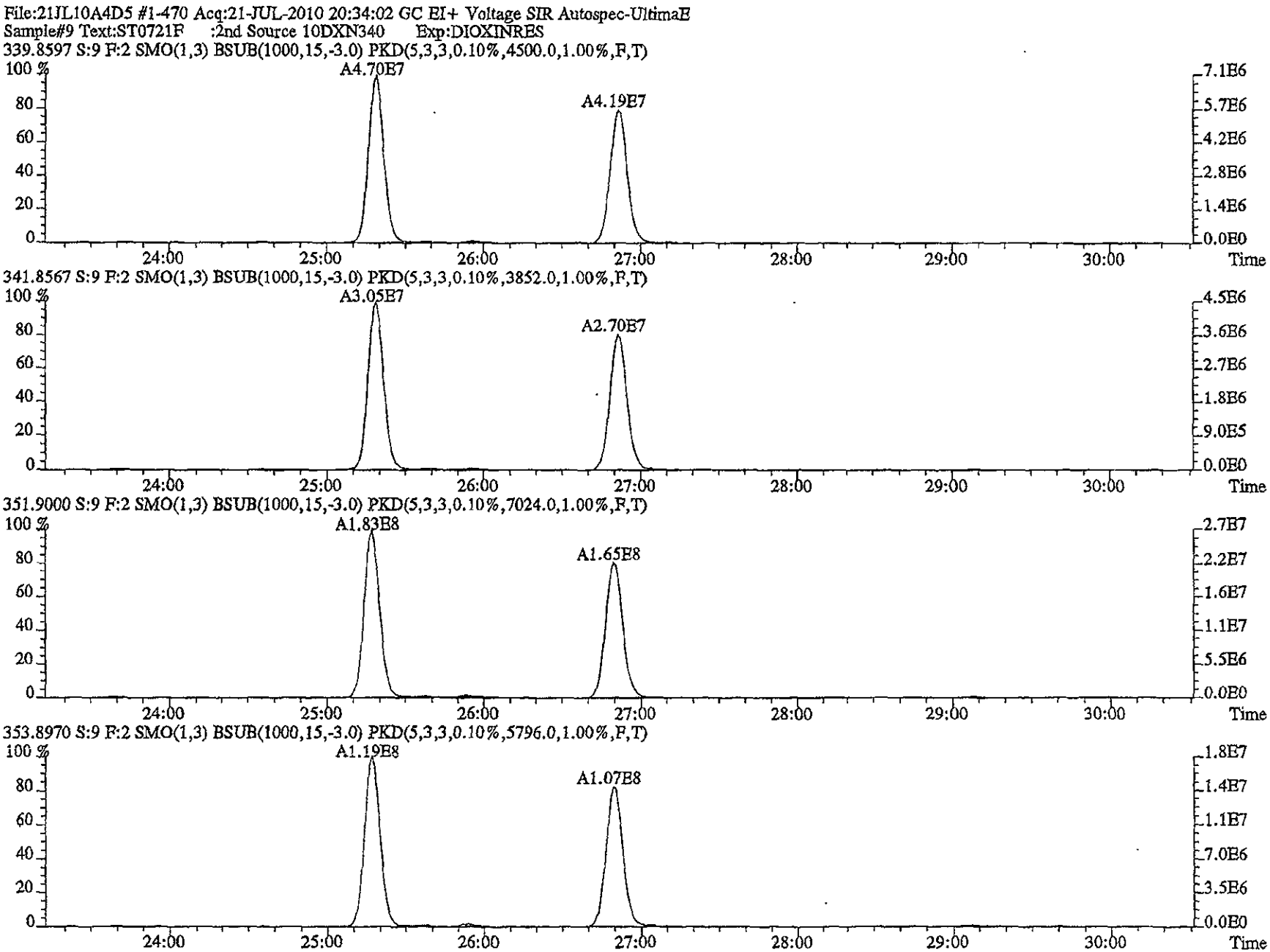
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES

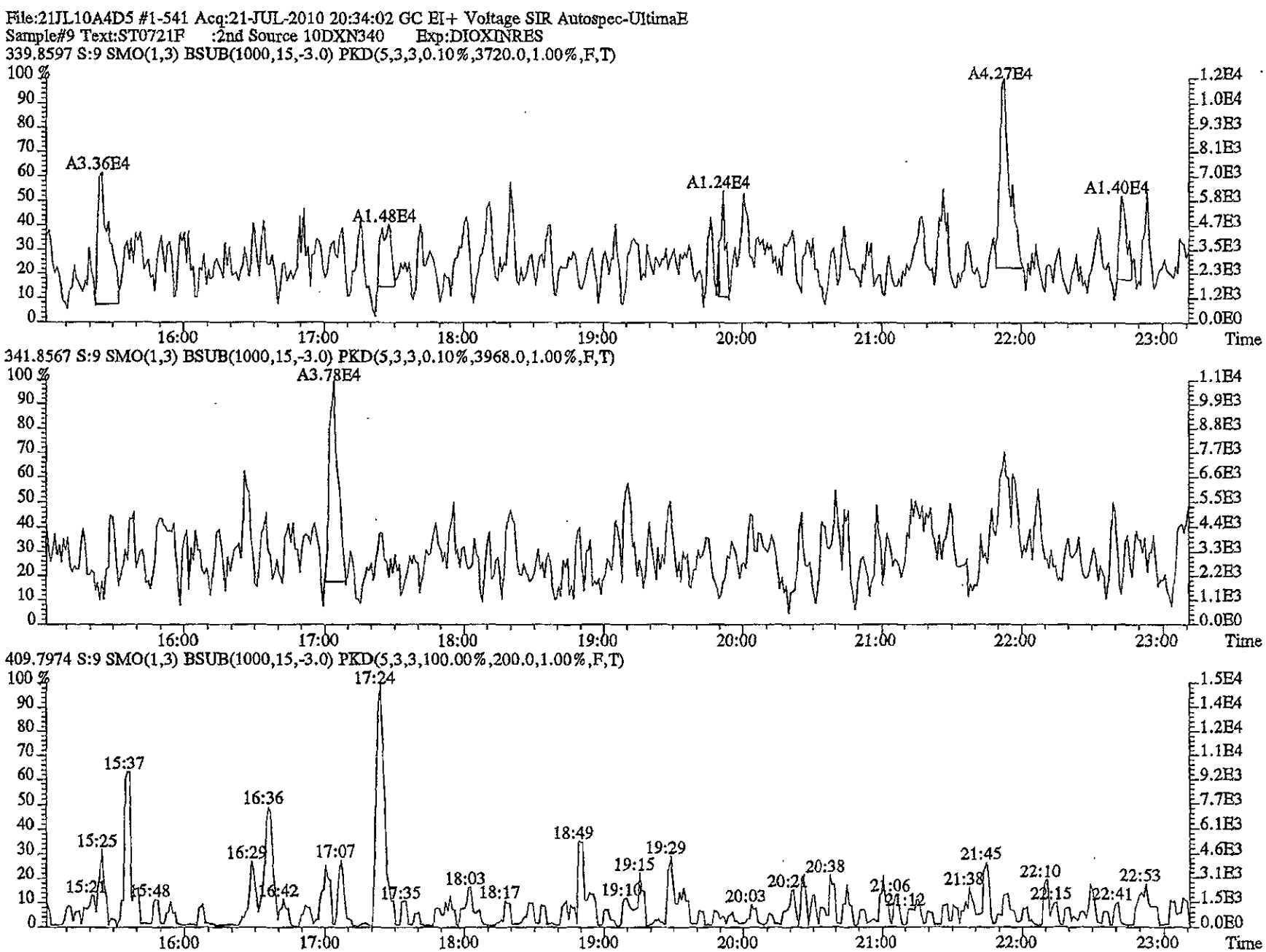




File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES

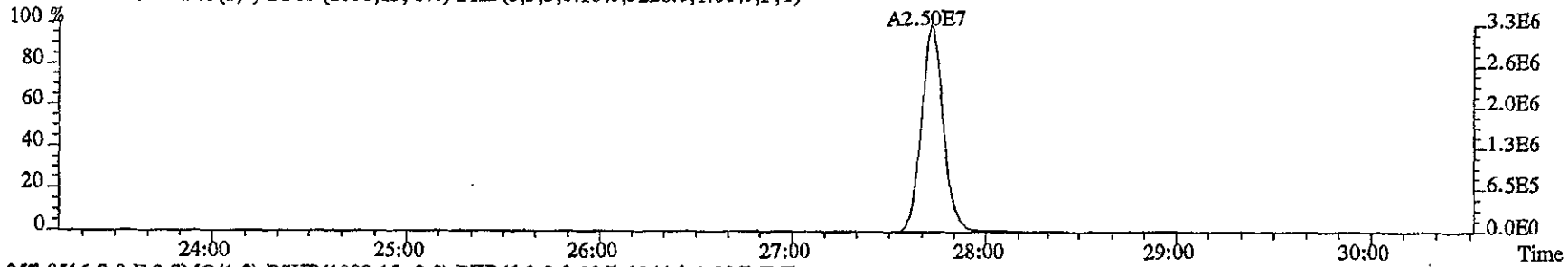



File:21JL10A4D5 #1-470 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4500.0,1.00%,F,T)
A4.70E7
A4.19E7
341.8567 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3852.0,1.00%,F,T)
A3.05E7
A2.70E7
351.9000 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7024.0,1.00%,F,T)
A1.83E8
A1.65E8
353.8970 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5796.0,1.00%,F,T)
A1.19E8
A1.07E8
100 %
80
60
40
20
0
24:00
25:00
26:00
27:00
28:00
29:00
30:00
Time
7.1E6
5.7E6
4.2E6
2.8E6
1.4E6
0.0E0
4.5E6
3.6E6
2.7E6
1.8E6
9.0E5
2.7E7
2.2E7
1.6E7
1.1E7
5.5E6
1.8E7
1.4E7
1.1E7
7.0E6
3.5E6

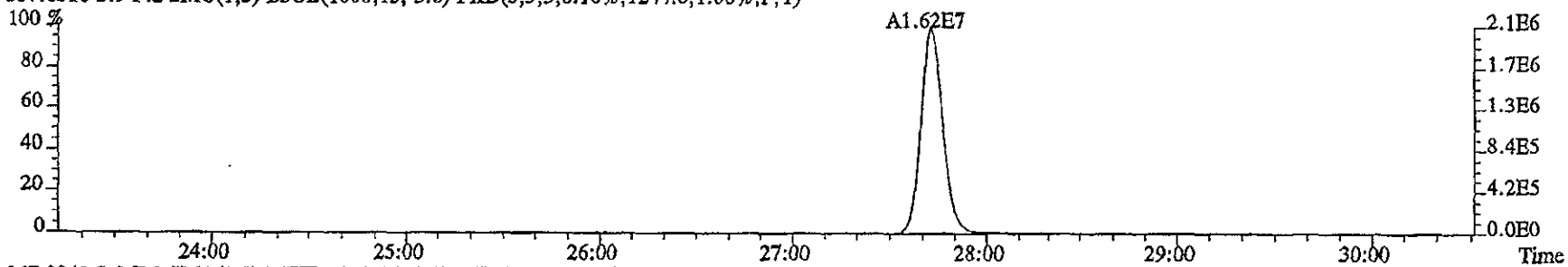

File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
339.8597 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)
A3.36E4
A1.48E4
A1.24E4
A4.27E4
A1.40E4
341.8567 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)
A3.78E4
409.7974 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,200.0,1.00%,F,T)
15:25
15:37
16:36
16:29
17:07
17:24
18:49
19:15
19:29
18:03
20:38
21:45
22:10
22:53
Time

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

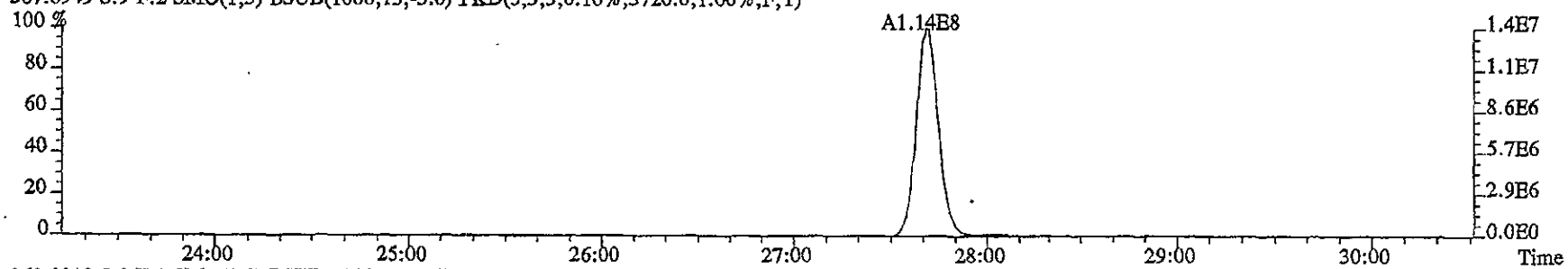
355.8546 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3228.0,1.00%,F,T)



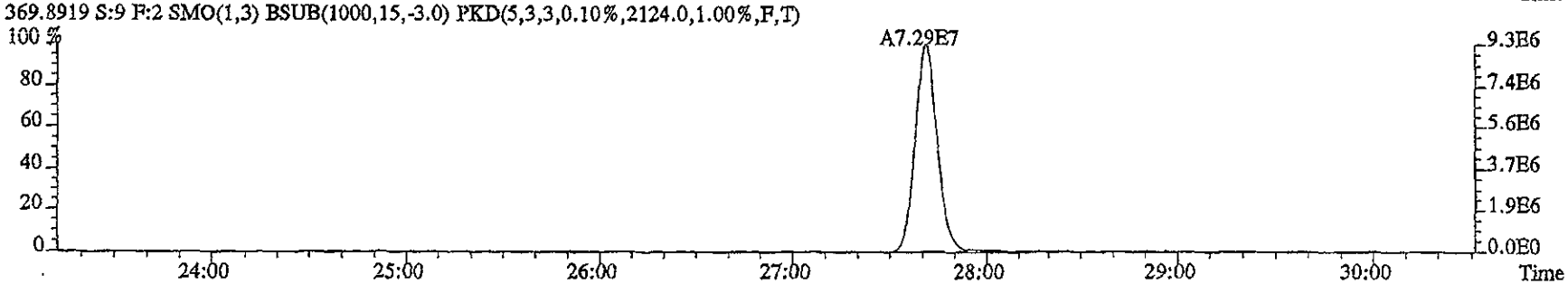
357.8516 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1244.0,1.00%,F,T)



367.8949 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3720.0,1.00%,F,T)

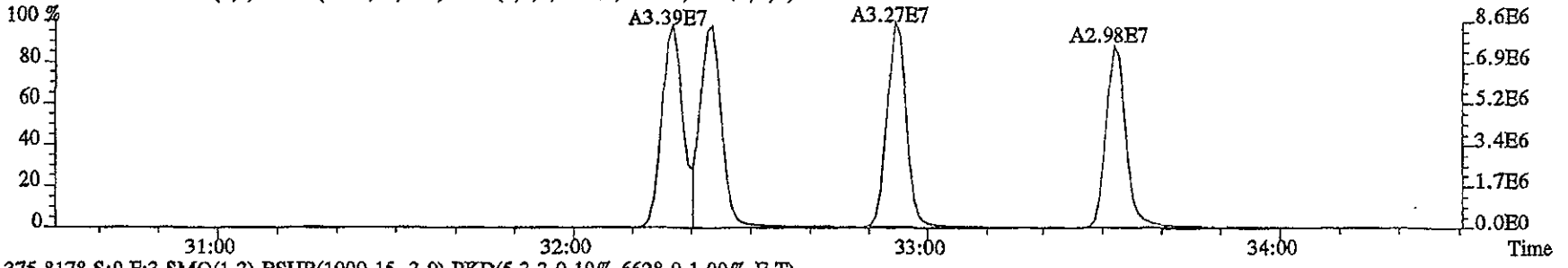


369.8919 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2124.0,1.00%,F,T)

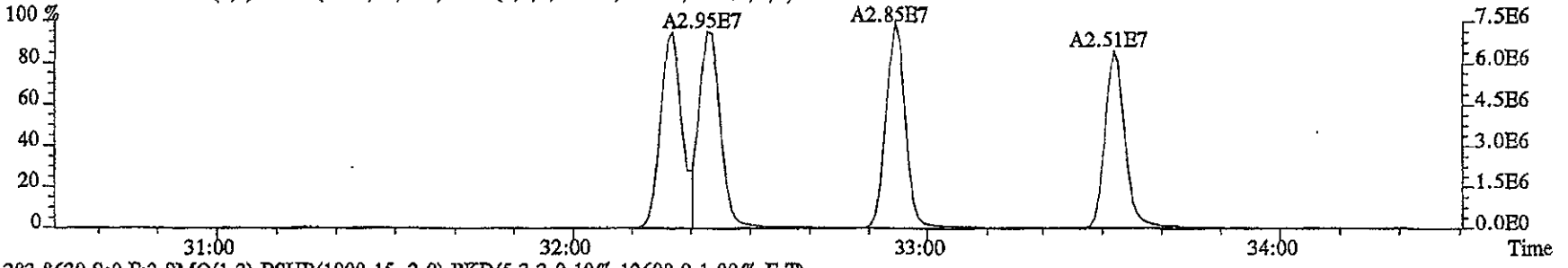


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES

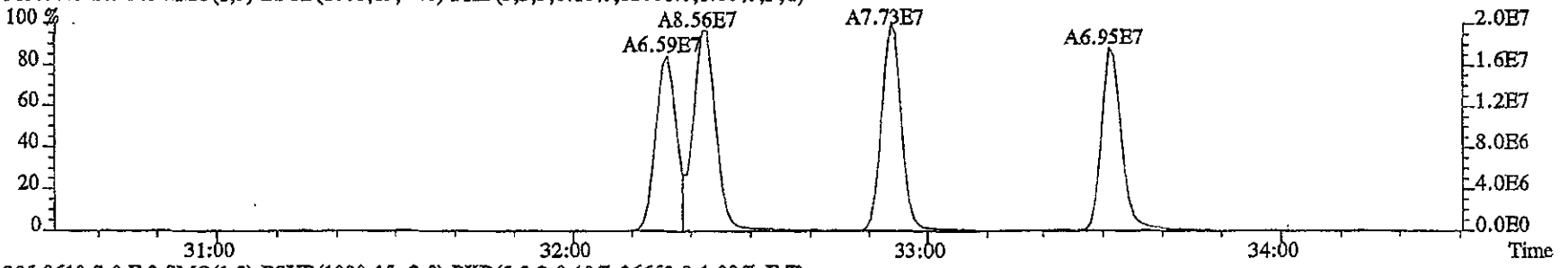
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8664.0,1.00%,F,T)



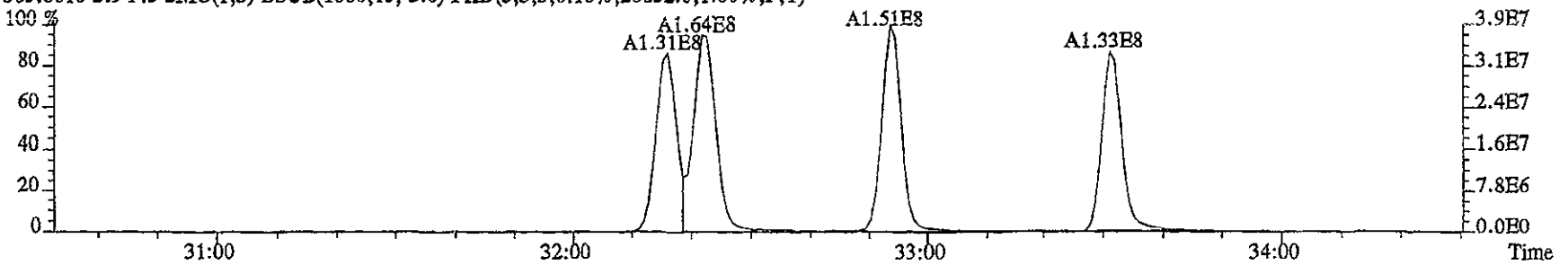
375.8178 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6628.0,1.00%,F,T)



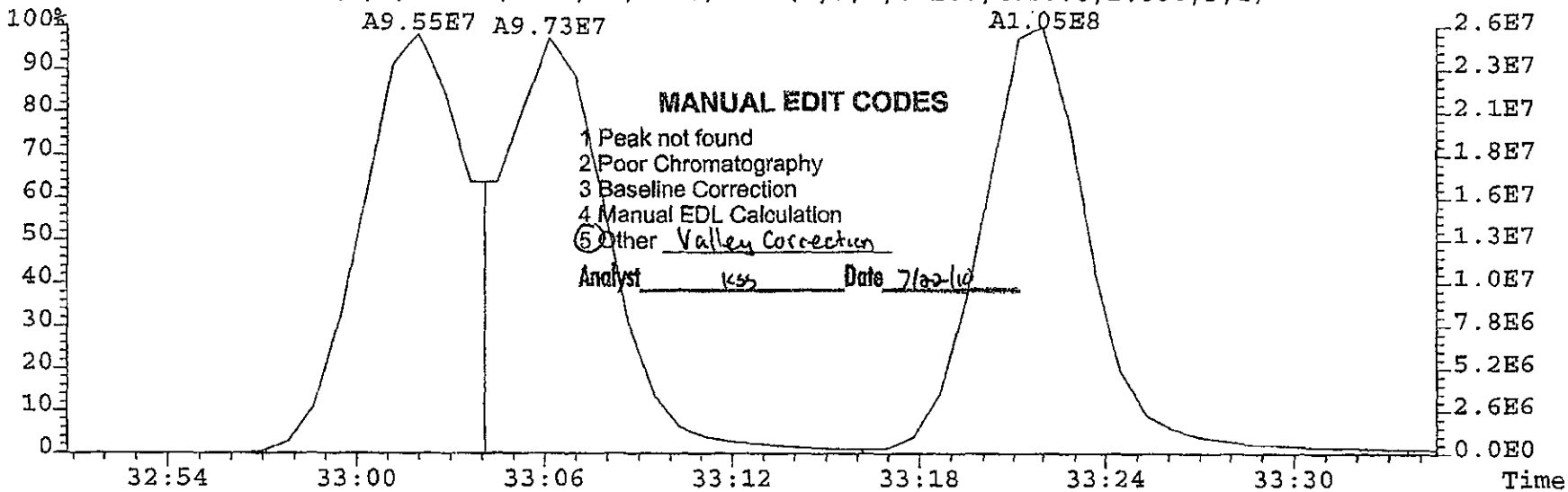
383.8639 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12608.0,1.00%,F,T)



385.8610 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26652.0,1.00%,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
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)

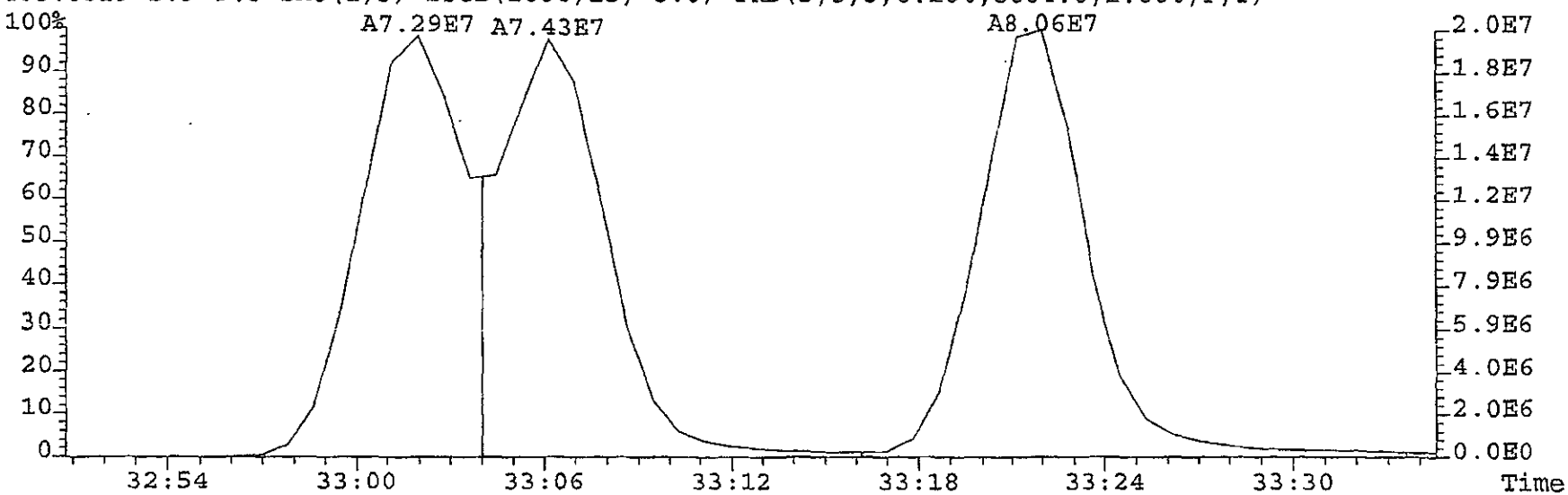


MANUAL EDIT CODES

1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
5 Other Valley Correction

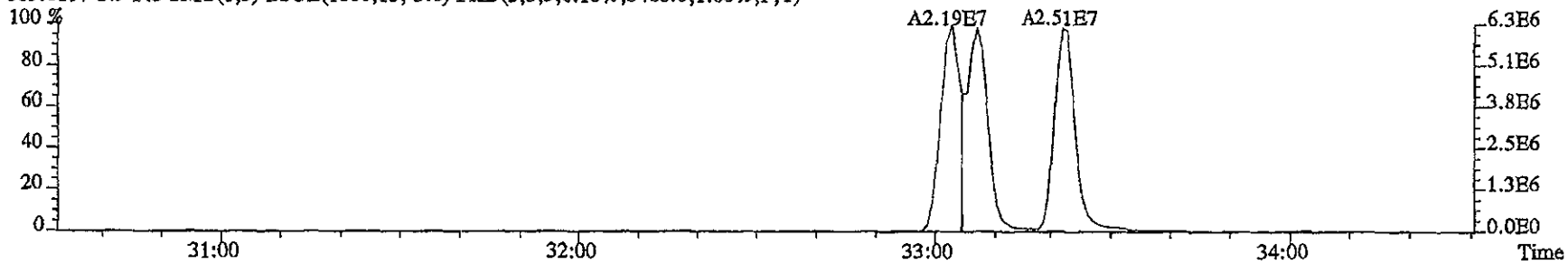
Analyst kss Date 7/22/10

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)

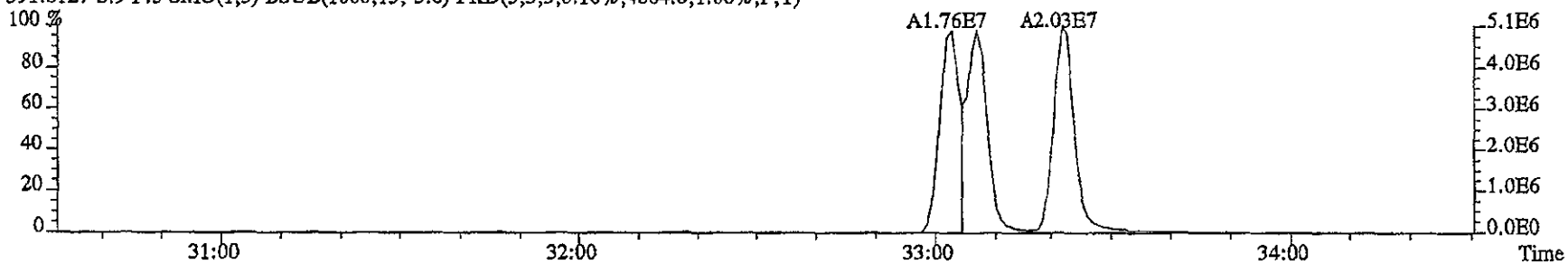


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES

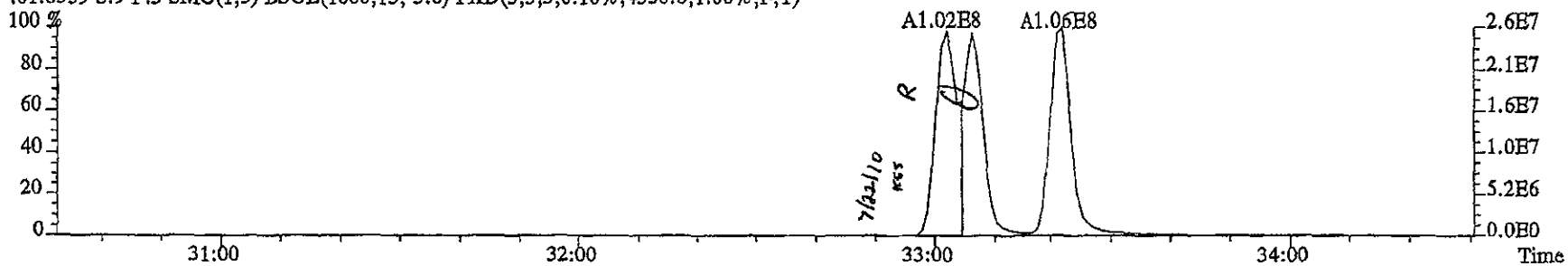
389.8157 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468.0,1.00%,F,T)



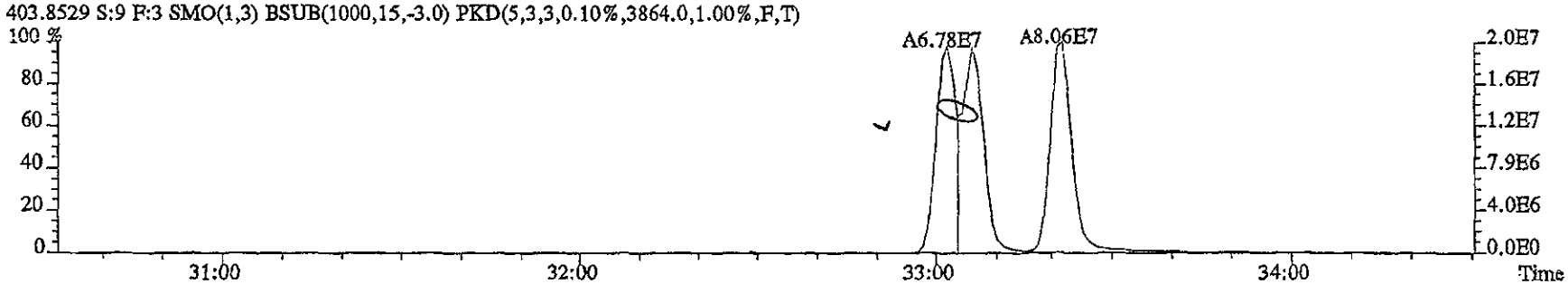
391.8127 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4884.0,1.00%,F,T)

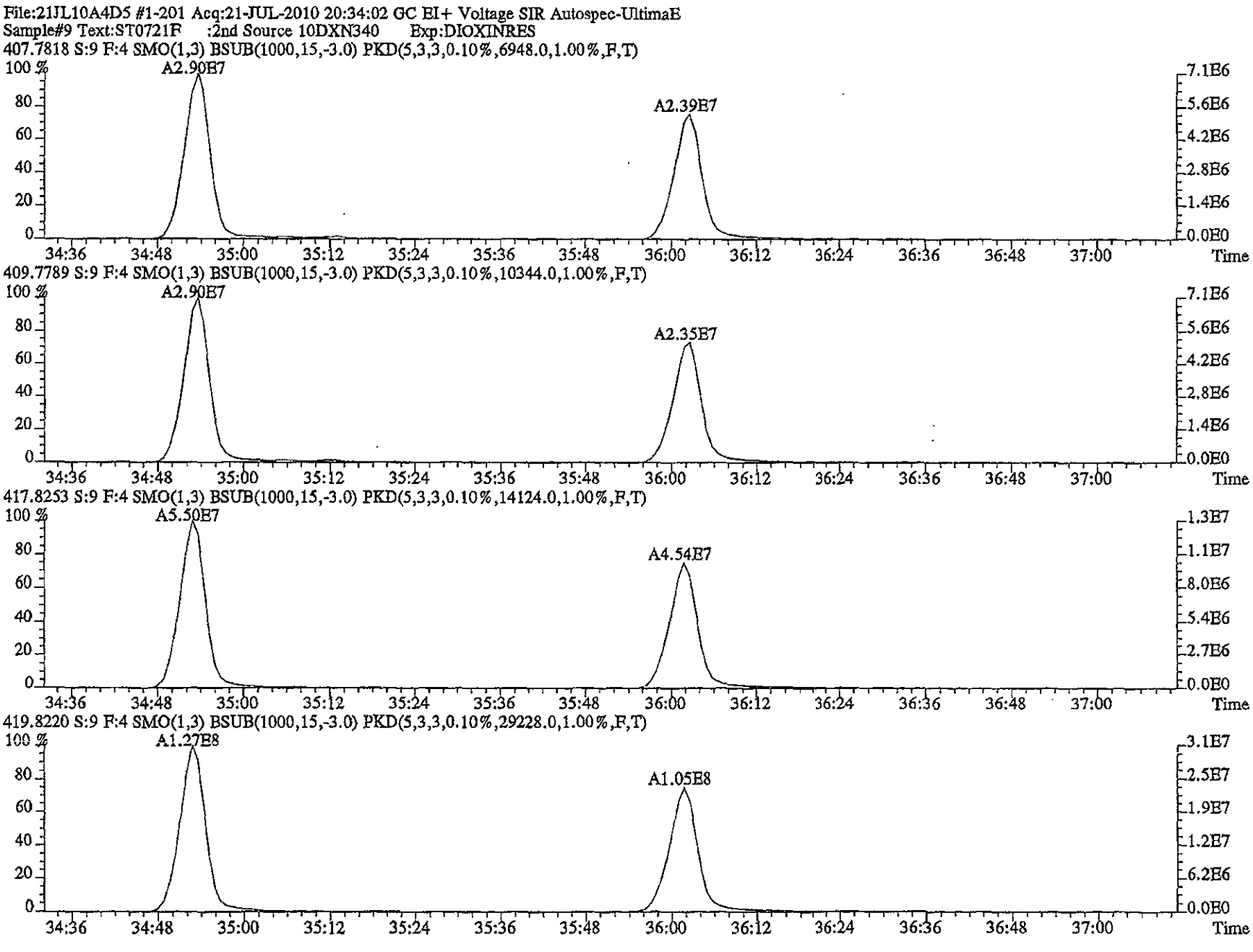


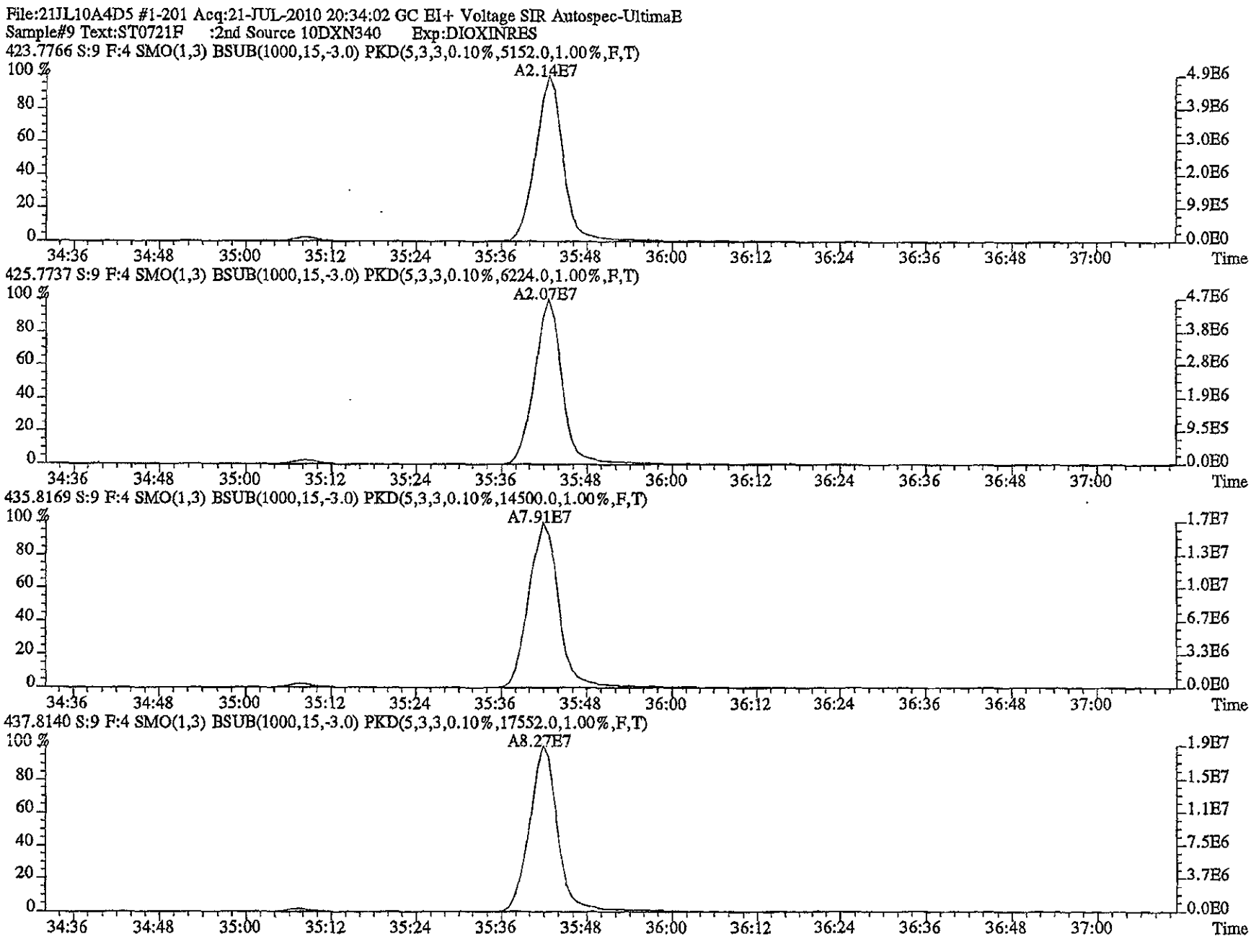
401.8559 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4356.0,1.00%,F,T)

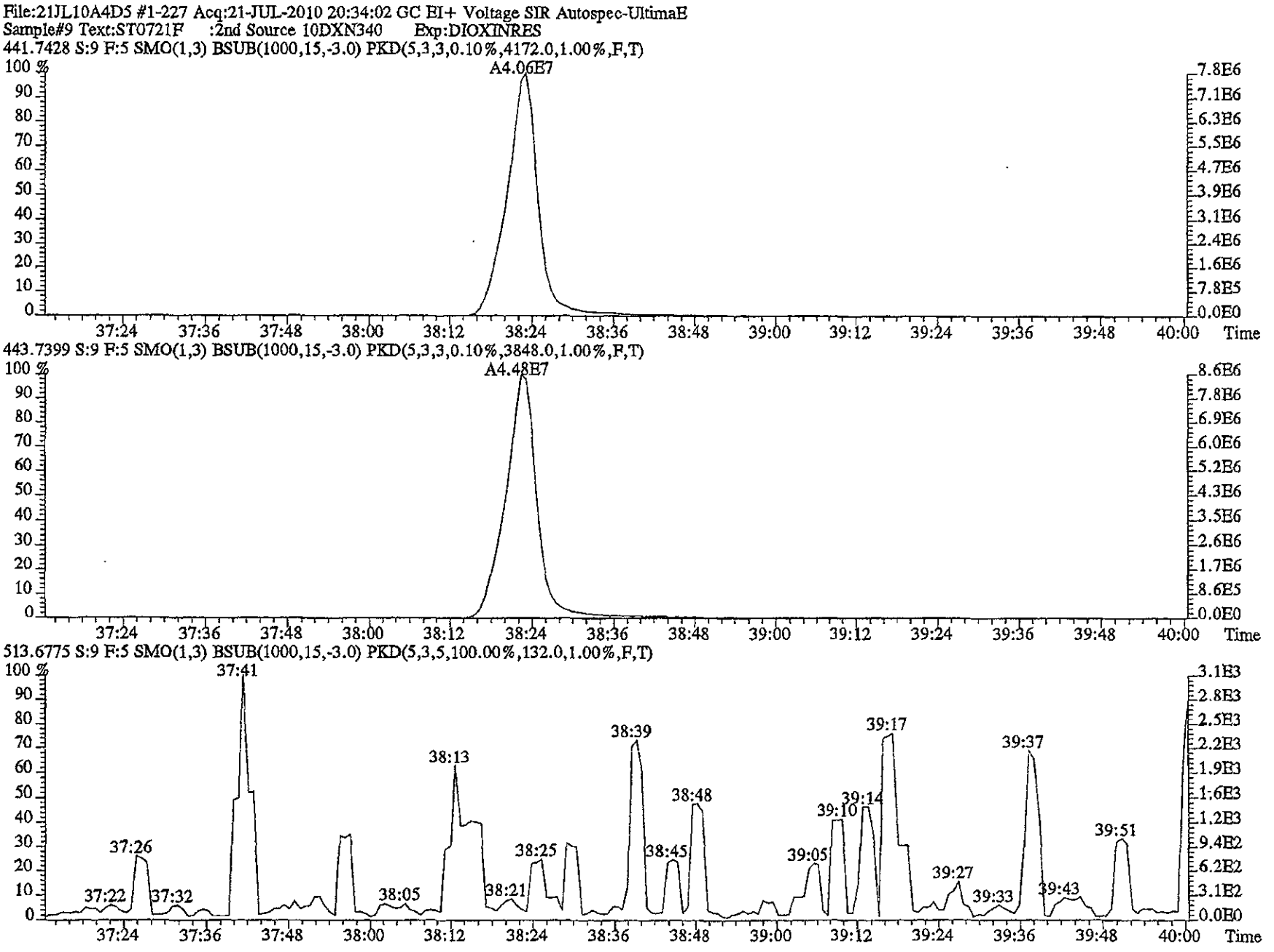


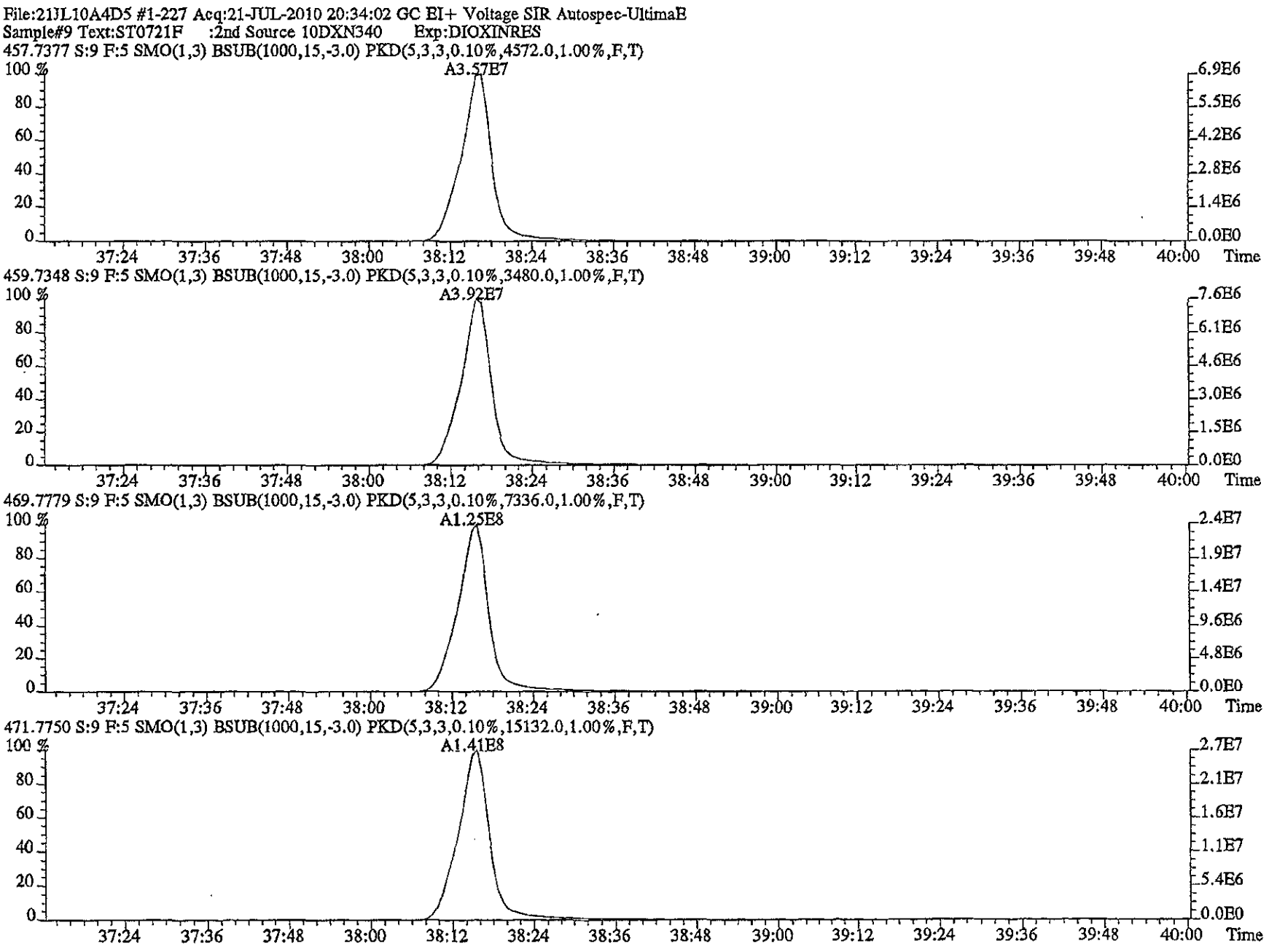
403.8529 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3864.0,1.00%,F,T)



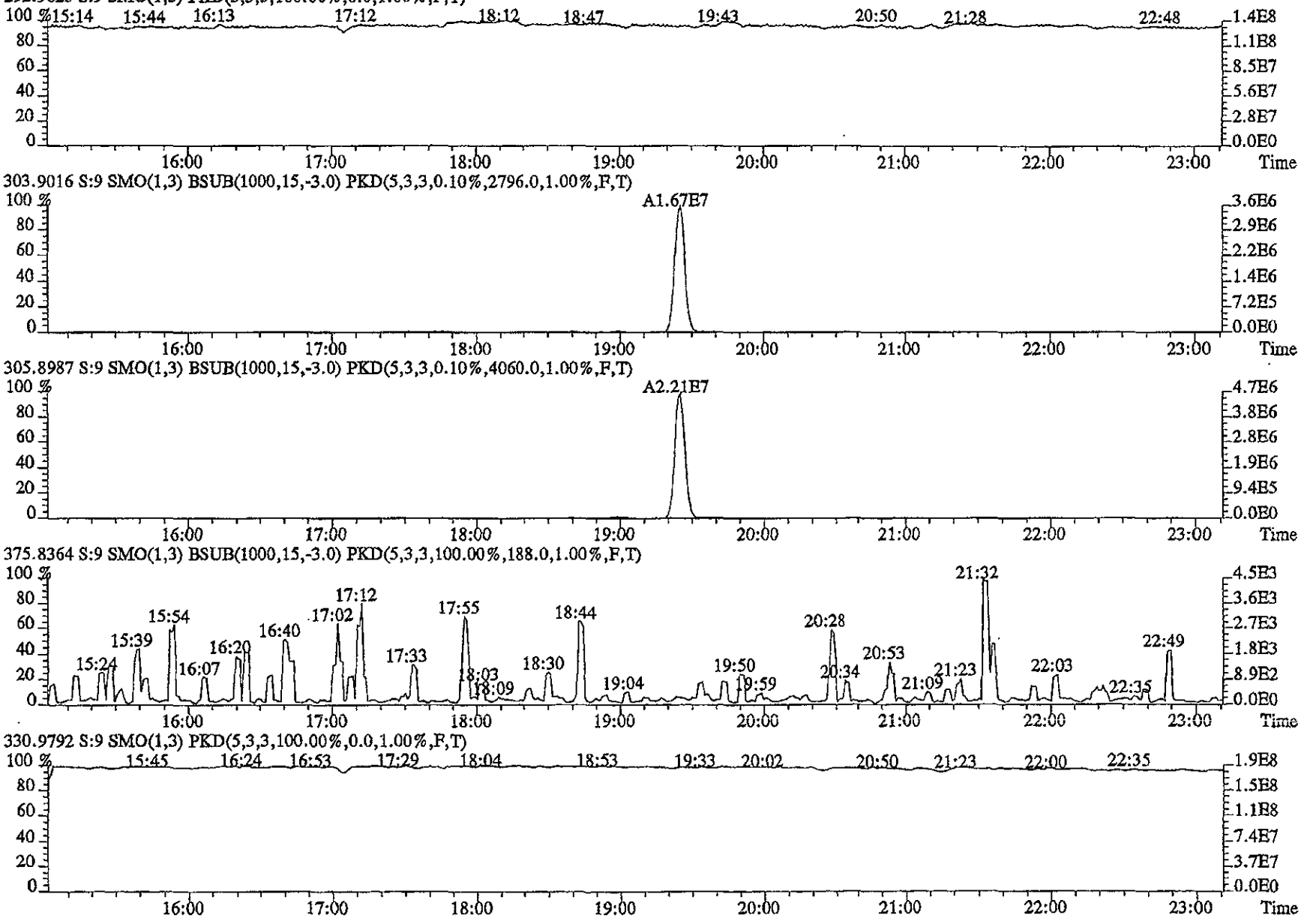

File:21JL10A4D5 #1-201 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6948.0,1.00%,F,T)
A2.90E7
A2.39E7
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10344.0,1.00%,F,T)
A2.90E7
A2.35E7
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)
A5.50E7
A4.54E7
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)
A1.27E8
A1.05E8
100 %
80
60
40
20
0
34:36
34:48
35:00
35:12
35:24
35:36
35:48
36:00
36:12
36:24
36:36
36:48
37:00
Time
7.1E6
5.6E6
4.2E6
2.8E6
1.4E6
0.0E0
1.3E7
1.1E7
8.0E6
5.4E6
2.7E6
3.1E7
2.5E7
1.9E7
1.2E7
6.2E6

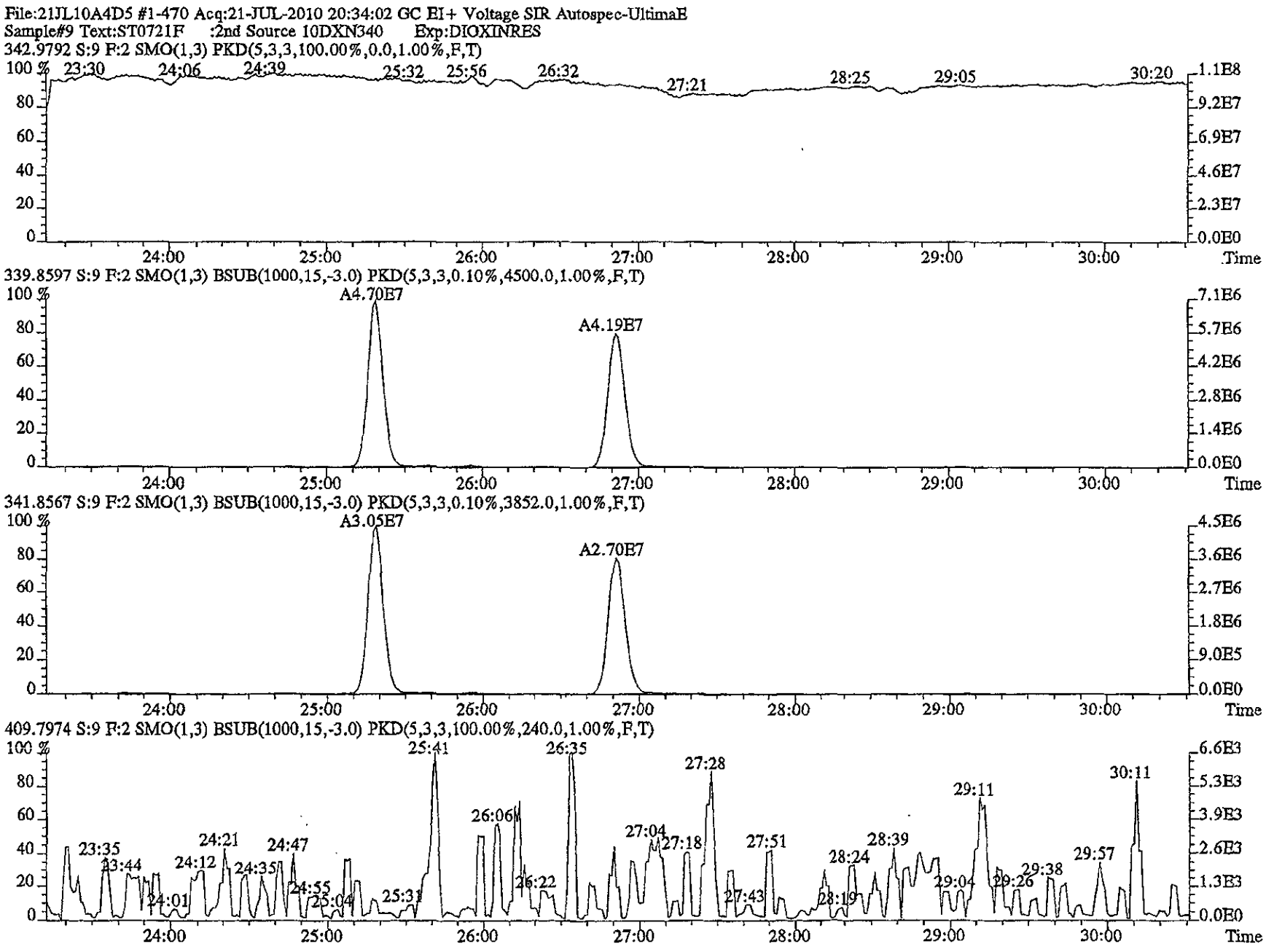



File:21JL10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4172.0,1.00%,F,T)
A4.06E7
443.7399 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3848.0,1.00%,F,T)
A4.48E7
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)
37:41
38:39
38:13
39:17
39:37
38:48
39:14
39:10
39:51
37:26
38:25
38:45
39:05
39:27
37:22
37:32
38:05
38:21
39:33
39:43
Time

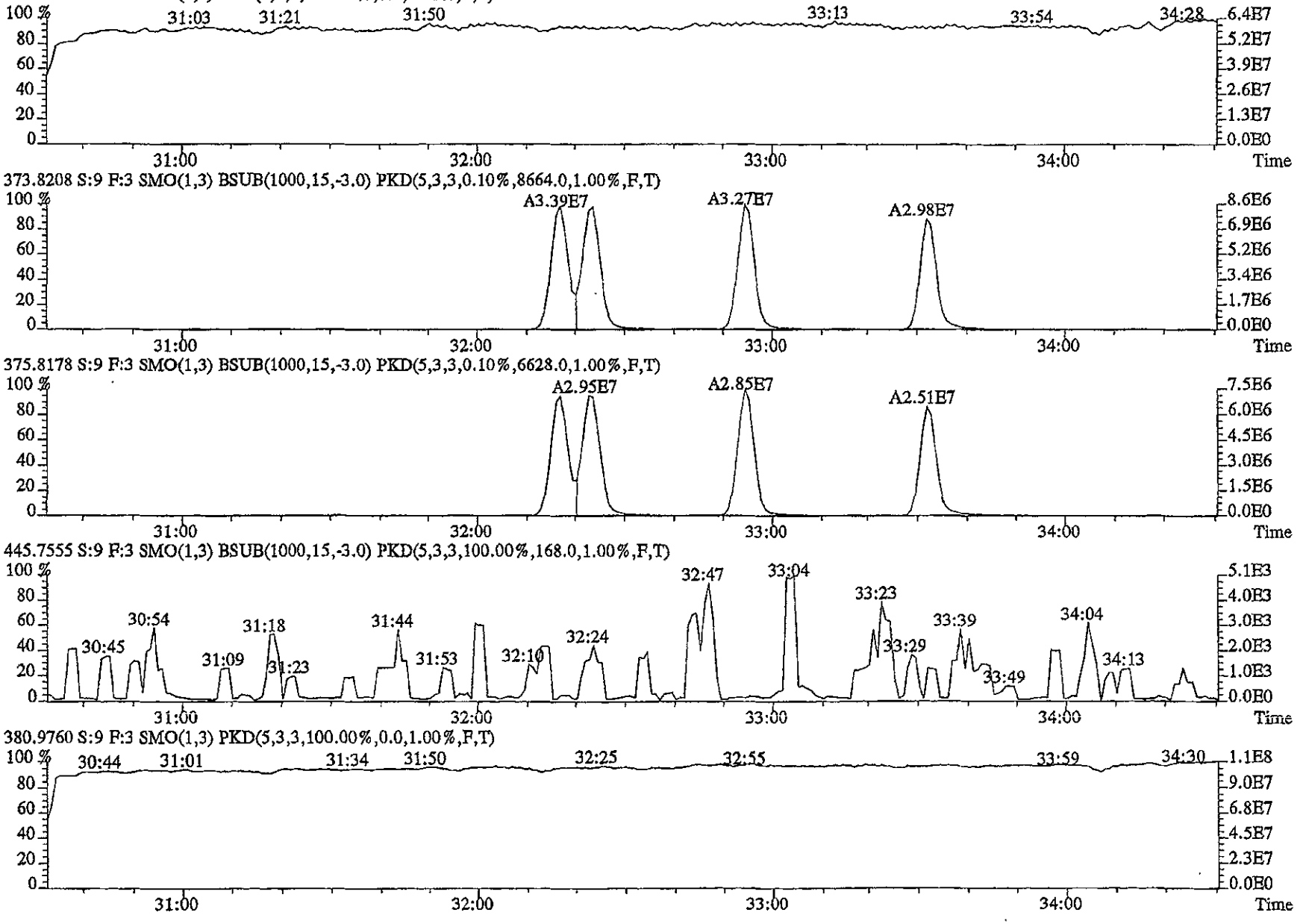

File:21JL10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
457.7377 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4572.0,1.00%,F,T)
A3.57E7
459.7348 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)
A3.92E7
469.7779 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7336.0,1.00%,F,T)
A1.25E8
471.7750 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15132.0,1.00%,F,T)
A1.41E8
100 %
80
60
40
20
0
6.9E6
5.5E6
4.2E6
2.8E6
1.4E6
0.0E0
7.6E6
6.1E6
4.6E6
3.0E6
1.5E6
2.4E7
1.9E7
1.4E7
9.6E6
4.8E6
2.7E7
2.1E7
1.6E7
1.1E7
5.4E6
37:24
37:36
37:48
38:00
38:12
38:24
38:36
38:48
39:00
39:12
39:24
39:36
39:48
40:00
Time

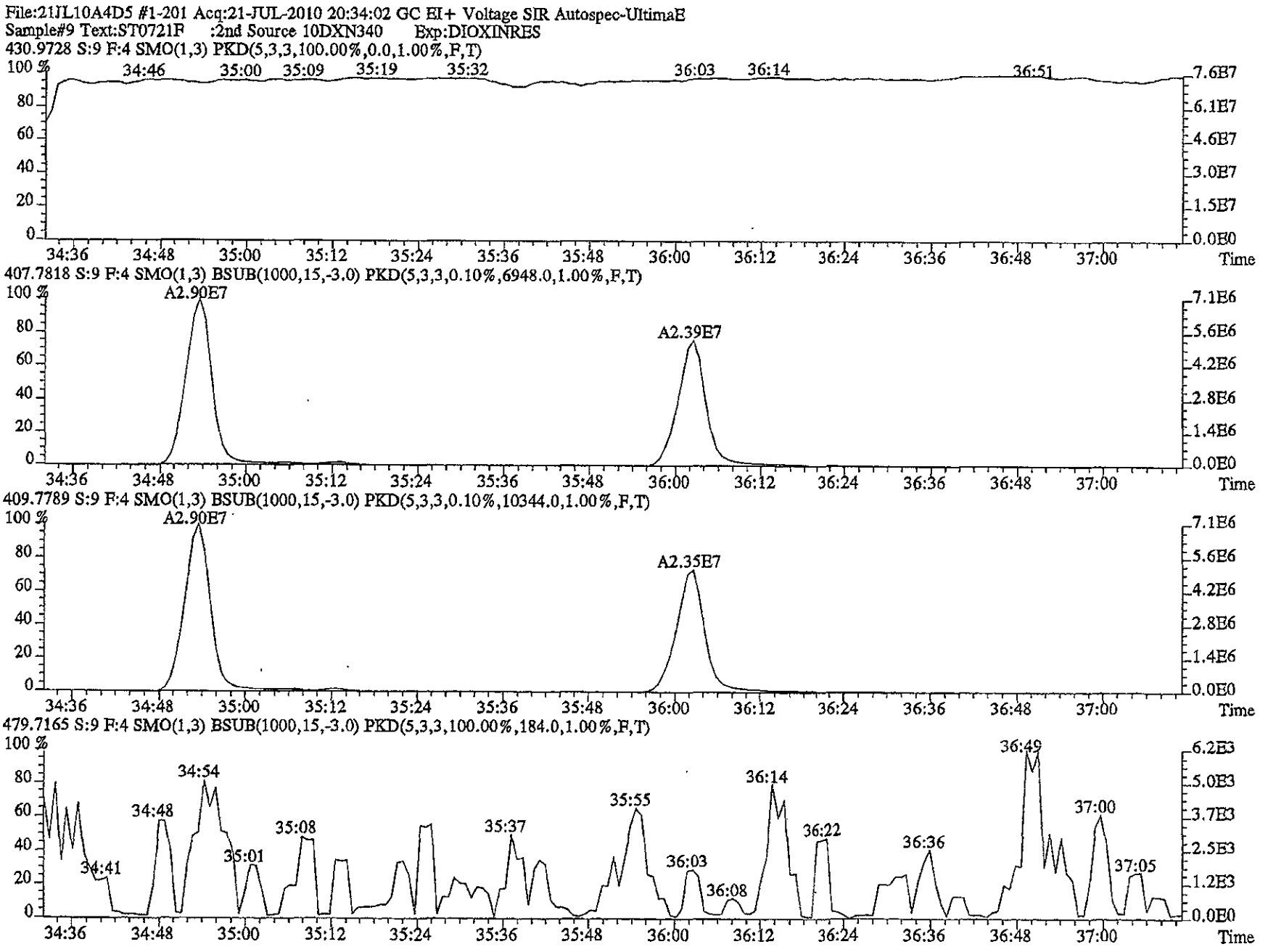
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES



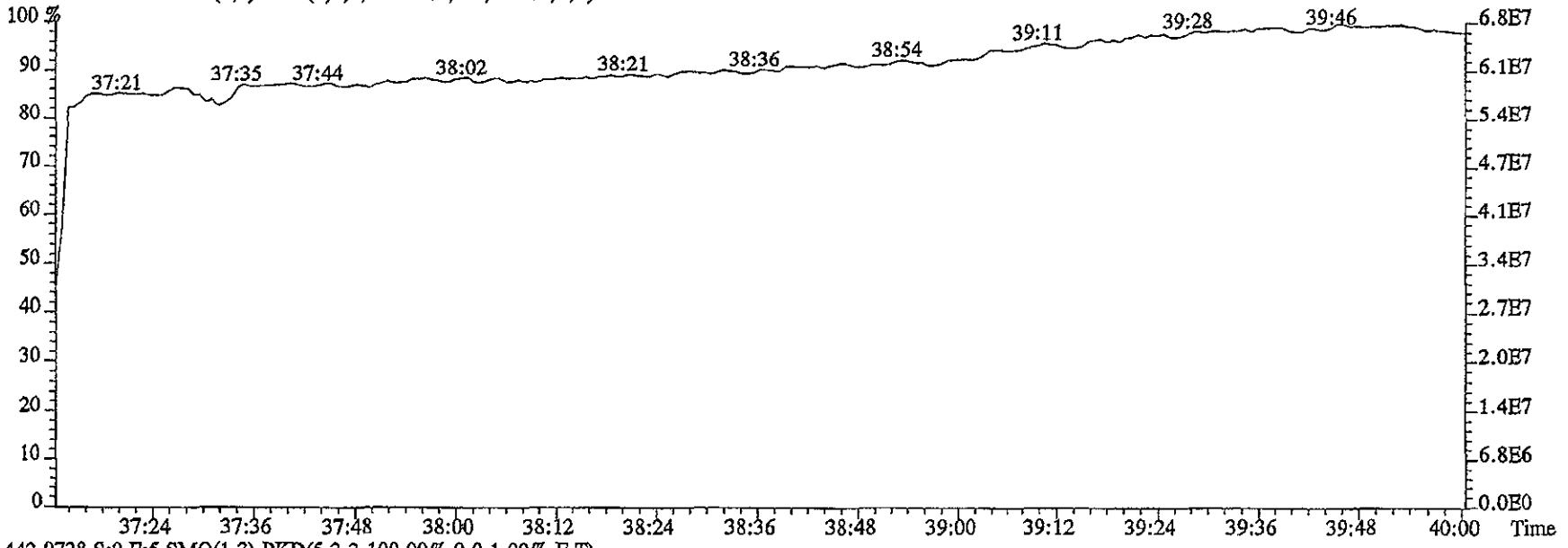


File:21JL10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES

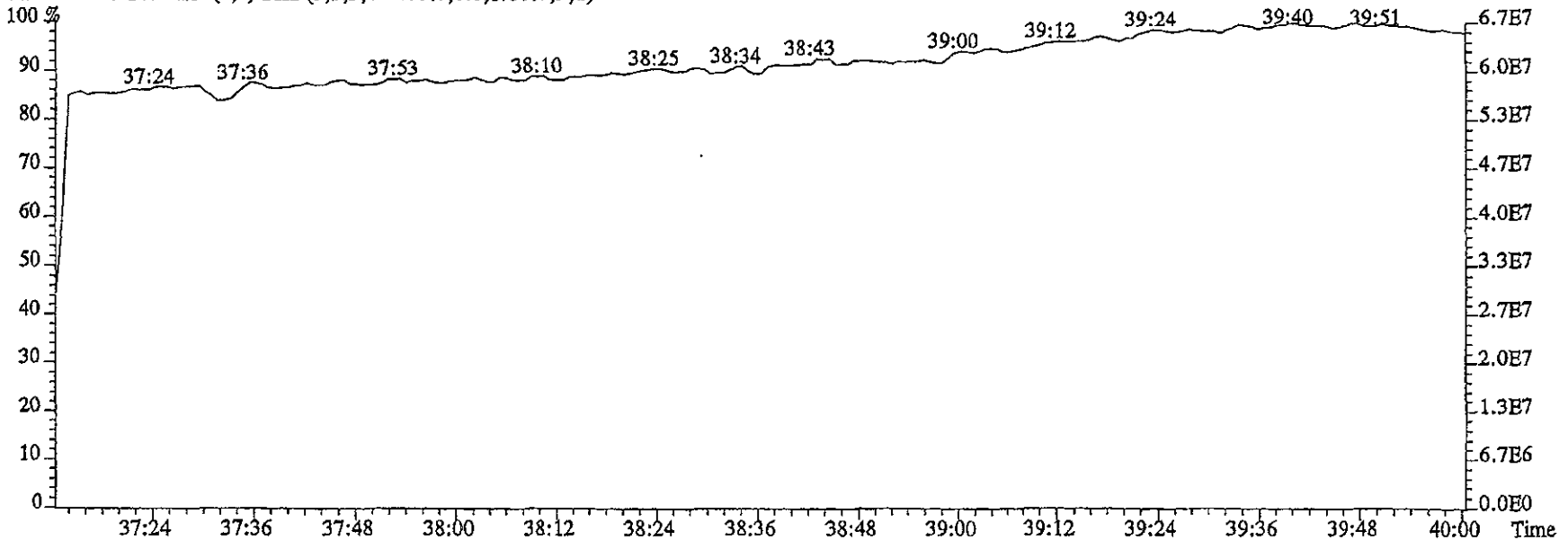




File:21JL10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

AK 9/15/10

ICAL ID (DB225, DB225AIR)072610SD2R

Method ID 8290 (Tetras, 8290A), 1613B, 23, 0023A, TO9, Date Scanned 8-13-10 KSS Rscan 9/16/10

Column ID DB225 Instrument ID SD2

STD ID's ST0726(A, B, C, D, E) STD Solution 100XN342, 100XN335, 100XN336 (100XN337), 100XN331

GC Program DB225 Multiplier Setting 750

Analyzed By KSS Date Analyzed 7-26-10

Prepared By KSS, NK Date Prepared 7-26-10

Reviewed By KSS, MG Date Reviewed 7/26/10, 9/15/10

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

CS3 13C-1,2,3,4-TCDD RT = 15:10

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 21AP105D2 Analyte: DB225 Cal: DB2250726105D2R

ST0726A :CS-1 10DXN342 RI ST0726B :CS-2 10DXN335 ST0726C :CS-3 10DXN336
ST0726E :CS-4 10DXN337 ST0726D :CS-5 10DXN339

Name	Mean	S. D.	%RSD	26JL105D2 S6 RRF1	26JL105D2 S5 RRF2	26JL105D2 S7 RRF3	26JL105D2 S9 RRF4	26JL105D2 S8 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.111	0.055	2.59 %	2.14	2.09	2.12	2.03	2.18
2,3,7,8-TCDF	1.056	0.035	3.32 %	1.11	1.04	1.02	1.06	1.04
13C-2,3,7,8-TCDD	0.885	0.025	2.78 %	0.91	0.87	0.91	0.86	0.87
2,3,7,8-TCDD	1.636	0.024	1.44 %	1.64	1.67	1.61	1.63	1.62
37Cl-2,3,7,8-TCDD	1.290	0.038	2.92 %	1.28	1.24	1.34	1.28	1.31

Run #1 Filename 26JL105D2 S: 6 I: 1
Acquired: 26-JUL-10 11:25:40 Processed: 26-JUL-10 12:26:14
Run: 21AP105D2 Analyte: DB225 Cal: DB2250726105D2R
Comments:
Sample text: ST0726A :CS-1 10DXN342 RI

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	44088800	0.76	y	15:11	-	100.00	n
13C-2,3,7,8-TCDF	94137800	0.80	y	16:22	2.135	100.00	n
2,3,7,8-TCDF	523639	0.72	y	16:23	1.112	0.50	n
13C-2,3,7,8-TCDD	40331700	0.79	y	14:57	0.915	100.00	n
2,3,7,8-TCDD	331274	0.79	y	14:57	1.643	0.50	n
37Cl-2,3,7,8-TCDD	283070	1.00	y	14:57	1.284	0.50	n

Run #2 Filename 26JL105D2 S: 5 I: 1
Acquired: 26-JUL-10 10:33:31 Processed: 26-JUL-10 12:26:15
Run: 21AP105D2 Analyte: DB225 Cal: DB2250726105D2R
Comments:
Sample text: ST0726B :CS-2 10DXN335

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	163657200	0.78	y	15:09	-	100.00	n
13C-2,3,7,8-TCDF	341921000	0.80	y	16:22	2.089	100.00	n
2,3,7,8-TCDF	7128550	0.76	y	16:22	1.042	2.00	n
13C-2,3,7,8-TCDD	142455600	0.77	y	14:55	0.870	100.00	n
2,3,7,8-TCDD	4759860	0.82	y	14:57	1.671	2.00	n
37Cl-2,3,7,8-TCDD	4046840	1.00	y	14:57	1.236	2.00	n

Run #3 Filename 26JL105D2 S: 7 I: 1
Acquired: 26-JUL-10 11:59:28 Processed: 26-JUL-10 12:26:16
Run: 21AP105D2 Analyte: DB225 Cal: DB2250726105D2R
Comments:
Sample text: ST0726C :CS-3 10DXN336

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	128251800	0.79	y	15:10	-	100.00	n
13C-2,3,7,8-TCDF	272023000	0.80	y	16:22	2.121	100.00	n
2,3,7,8-TCDF	27756400	0.79	y	16:23	1.020	10.00	n
13C-2,3,7,8-TCDD	116269100	0.80	y	14:56	0.907	100.00	n
2,3,7,8-TCDD	18681120	0.82	y	14:57	1.607	10.00	n
37Cl-2,3,7,8-TCDD	17122860	1.00	y	14:58	1.335	10.00	n

Run #4 Filename 26JL105D2 S: 9 I: 1
Acquired: 26-JUL-10 13:07:04 Processed: 26-JUL-10 13:28:30
Run: 21AP105D2 Analyte: DB225 Cal: DB2250726105D2R
Comments:
Sample text: ST0726E :CS-4 10DXN337

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	123056700	0.79	y	15:08	-	100.00	n
13C-2,3,7,8-TCDF	250112000	0.82	y	16:21	2.032	100.00	n
2,3,7,8-TCDF	106424700	0.78	y	16:22	1.064	40.00	n
13C-2,3,7,8-TCDD	105587000	0.78	y	14:54	0.858	100.00	n
2,3,7,8-TCDD	69020900	0.83	y	14:55	1.634	40.00	n
37Cl-2,3,7,8-TCDD	62912600	1.00	y	14:55	1.278	40.00	n

Run #5 Filename 26JL105D2 S: 8 I: 1
Acquired: 26-JUL-10 12:33:16 Processed: 26-JUL-10 13:28:36
Run: 21AP105D2 Analyte: DB225 Cal: DB2250726105D2R
Comments:
Sample text: ST0726D :CS-5 10DXN339

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	131444700	0.78	y	15:10	-	100.00	n
13C-2,3,7,8-TCDF	286396000	0.80	y	16:22	2.179	100.00	n
2,3,7,8-TCDF	596616000	0.78	y	16:23	1.042	200.00	n
13C-2,3,7,8-TCDD	114849700	0.78	y	14:56	0.874	100.00	n
2,3,7,8-TCDD	373245000	0.82	y	14:57	1.625	200.00	n
37Cl-2,3,7,8-TCDD	345562000	1.00	y	14:57	1.314	200.00	n

Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R

ST0726A :CS-1 10DXN342 RI ST0726B :CS-2 10DXN335 ST0726C :CS-3 10DXN336
ST0726E :CS-4 10DXN337 ST0726D :CS-5 10DXN339

Name	Mean	S. D.	%RSD	26JL105D2 S6 RRF1	26JL105D2 S5 RRF2	26JL105D2 S7 RRF3	26JL105D2 S9 RRF4	26JL105D2 S8 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.111	0.055	2.59 %	2.14	2.09	2.12	2.03	2.18
2,3,7,8-TCDF	1.056	0.035	3.32 %	1.11	1.04	1.02	1.06	1.04
13C-2,3,7,8-TCDD	0.885	0.025	2.78 %	0.91	0.87	0.91	0.86	0.87
2,3,7,8-TCDD	1.636	0.024	1.44 %	1.64	1.67	1.61	1.63	1.62
37Cl-2,3,7,8-TCDD	1.458	0.044	3.01 %	1.40	1.42	1.47	1.49	1.50

Run #1 Filename 26JL105D2 S: 6 I: 1
Acquired: 26-JUL-10 11:25:40 Processed: 15-SEP-10 09:51:11
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:
Sample text: ST0726A :CS-1 10DXN342 RI

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	44088800	0.76	y	15:11	-	100.00	n
13C-2,3,7,8-TCDF	94137800	0.80	y	16:22	2.135	100.00	n
2,3,7,8-TCDF	523639	0.72	y	16:23	1.112	0.50	n
13C-2,3,7,8-TCDD	40331700	0.79	y	14:57	0.915	100.00	n
2,3,7,8-TCDD	331274	0.79	y	14:57	1.643	0.50	n
37Cl-2,3,7,8-TCDD	283070	1.00	y	14:57	1.404	0.50	n

Run #2 Filename 26JL105D2 S: 5 I: 1
Acquired: 26-JUL-10 10:33:31 Processed: 15-SEP-10 09:51:11
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:
Sample text: ST0726B :CS-2 10DXN335

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	163657200	0.78	y	15:09	-	100.00	n
13C-2,3,7,8-TCDF	341921000	0.80	y	16:22	2.089	100.00	n
2,3,7,8-TCDF	7128550	0.76	y	16:22	1.042	2.00	n
13C-2,3,7,8-TCDD	142455600	0.77	y	14:55	0.870	100.00	n
2,3,7,8-TCDD	4759860	0.82	y	14:57	1.671	2.00	n
37Cl-2,3,7,8-TCDD	4046840	1.00	y	14:57	1.420	2.00	n

Run #3 Filename 26JL105D2 S: 7 I: 1
Acquired: 26-JUL-10 11:59:28 Processed: 15-SEP-10 09:51:12
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:
Sample text: ST0726C :CS-3 10DXN336

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	128251800	0.79	y	15:10	-	100.00	n
13C-2,3,7,8-TCDF	272023000	0.80	y	16:22	2.121	100.00	n
2,3,7,8-TCDF	27756400	0.79	y	16:23	1.020	10.00	n
13C-2,3,7,8-TCDD	116269100	0.80	y	14:56	0.907	100.00	n
2,3,7,8-TCDD	18681120	0.82	y	14:57	1.607	10.00	n
37Cl-2,3,7,8-TCDD	17122860	1.00	y	14:58	1.473	10.00	n

Run #4 Filename 26JL105D2 S: 9 I: 1
Acquired: 26-JUL-10 13:07:04 Processed: 15-SEP-10 09:51:13
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:
Sample text: ST0726E :CS-4 10DXN337

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	123056800	0.79	y	15:08	-	100.00	n
13C-2,3,7,8-TCDF	250112000	0.82	y	16:21	2.032	100.00	n
2,3,7,8-TCDF	106424800	0.78	y	16:22	1.064	40.00	n
13C-2,3,7,8-TCDD	105587000	0.78	y	14:54	0.858	100.00	n
2,3,7,8-TCDD	69020900	0.83	y	14:55	1.634	40.00	n
37Cl-2,3,7,8-TCDD	62912400	1.00	y	14:55	1.490	40.00	n

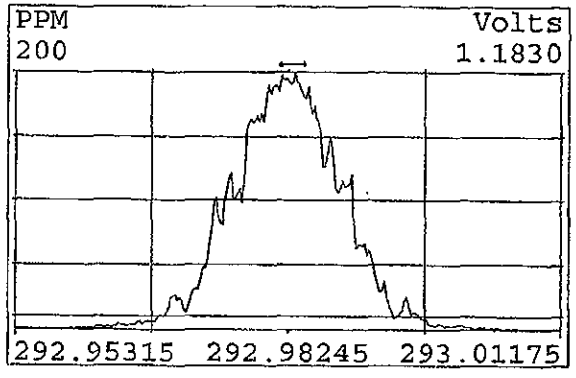
Run #5 Filename 26JL105D2 S: 8 I: 1
Acquired: 26-JUL-10 12:33:16 Processed: 15-SEP-10 09:51:13
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:
Sample text: ST0726D :CS-5 10DXN339

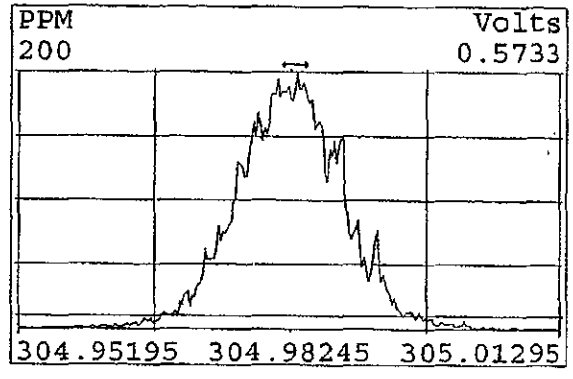
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	131444700	0.78	y	15:10	-	100.00	n
13C-2,3,7,8-TCDF	286396000	0.80	y	16:22	2.179	100.00	n
2,3,7,8-TCDF	596616000	0.78	y	16:23	1.042	200.00	n
13C-2,3,7,8-TCDD	114849700	0.78	y	14:56	0.874	100.00	n
2,3,7,8-TCDD	373245000	0.82	y	14:57	1.625	200.00	n
37Cl-2,3,7,8-TCDD	345562000	1.00	y	14:57	1.504	200.00	n

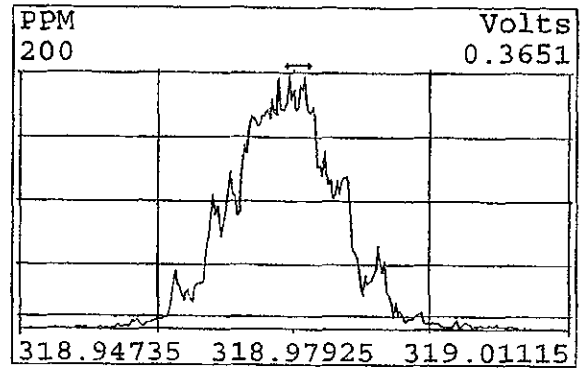
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
26JL105D2	1	CP0726	DB-225 CPSM 3732-06				1.0000	
26JL105D2	2	SB0726	Solvent Blank C-14				1.0000	
26JL105D2	3	ST0726	CS-0.2 10DXN333				1.0000	
26JL105D2	4	ST0726A	CS-1 10DXN342				1.0000	
26JL105D2	5	ST0726B	CS-2 10DXN335				1.0000	
26JL105D2	6	ST0726A	CS-1 10DXN342 RI				1.0000	
26JL105D2	7	ST0726C	CS-3 10DXN336				1.0000	
26JL105D2	8	ST0726D	CS-5 10DXN339				1.0000	
26JL105D2	9	ST0726E	CS-4 10DXN337				1.0000	
26JL105D2	10	ST0726F	2nd Source 10DXN340				1.0000	
26JL105D2	11						1.0000	
26JL105D2	12						1.0000	
26JL105D2	13						1.0000	
26JL105D2	14		KSS 07/26/10				1.0000	

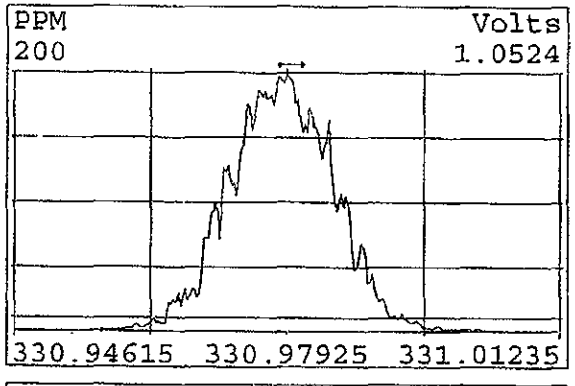
logfile V'd
NK 7/26/10

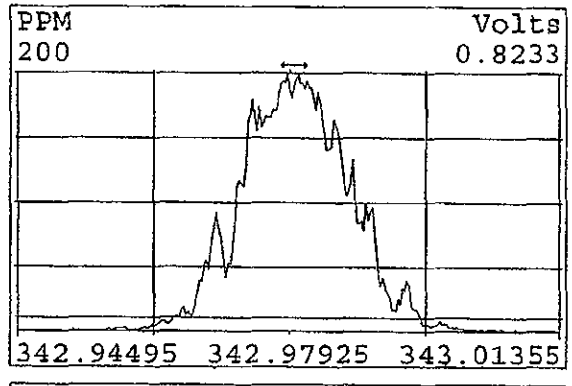
Peak Locate Examination:26-JUL-2010:08:17 File:26JL105D2
Experiment:DB225RES Function:1 Reference:PFK

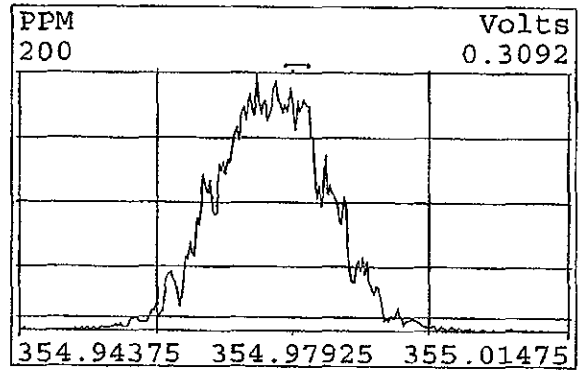


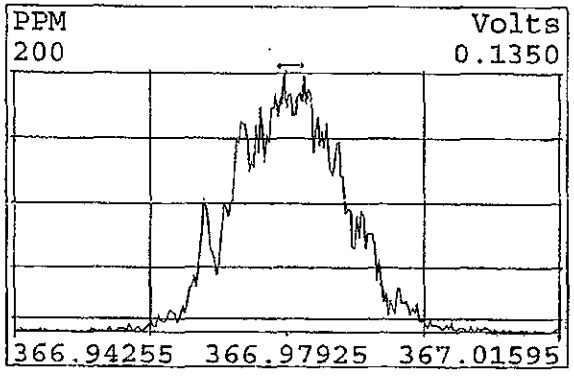


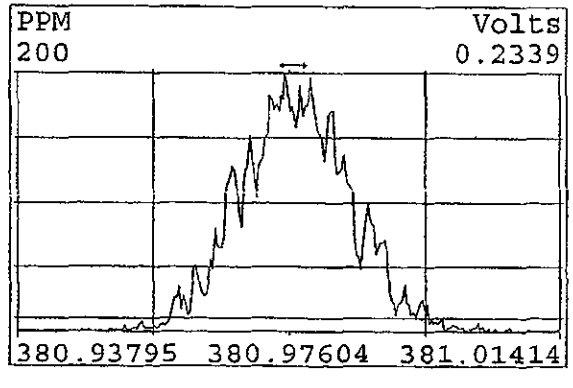




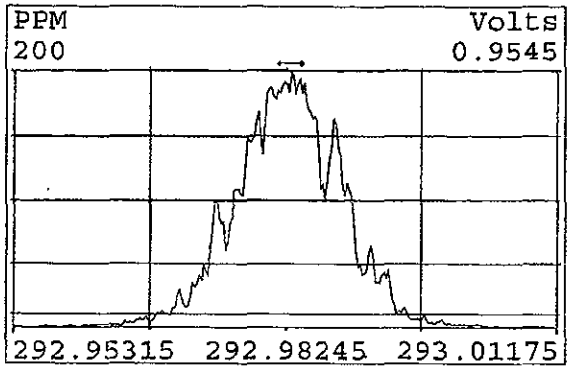


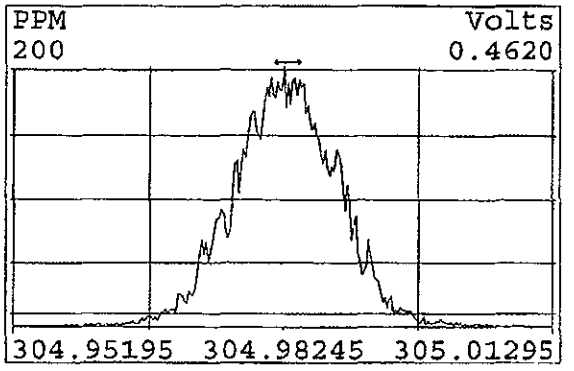


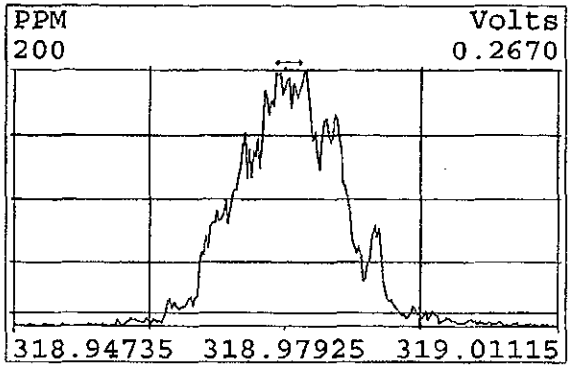


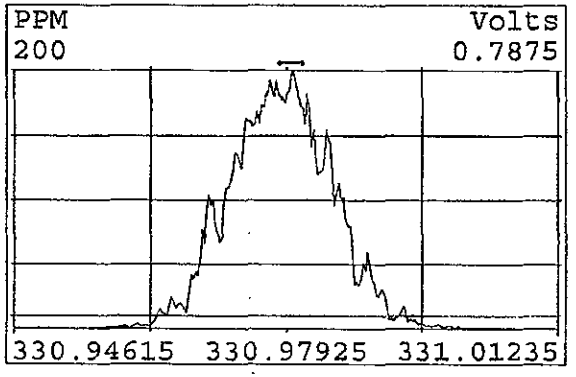


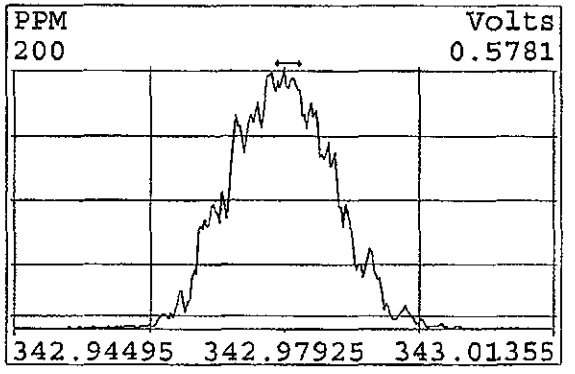
Peak Locate Examination:26-JUL-2010:14:43 File:26JL105D2ENDRES
Experiment:DB225RES Function:1 Reference:PFK

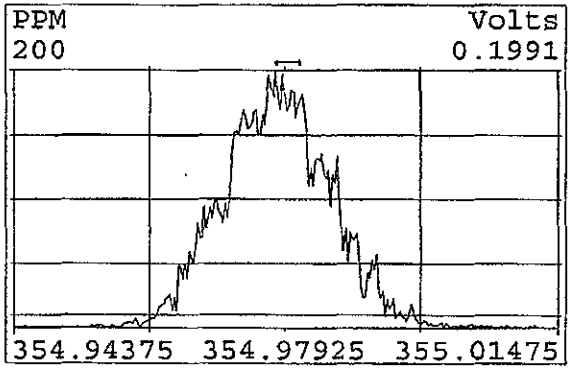


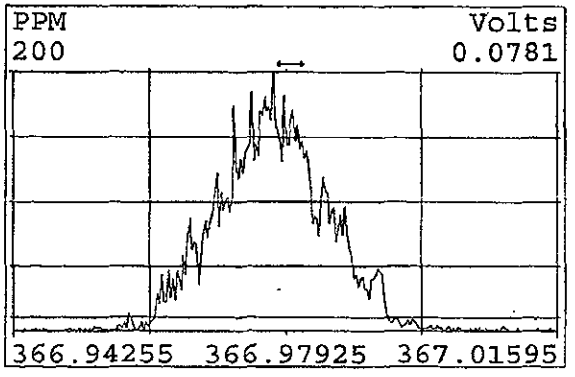


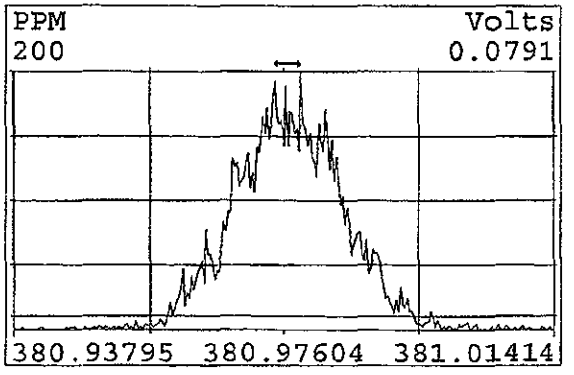




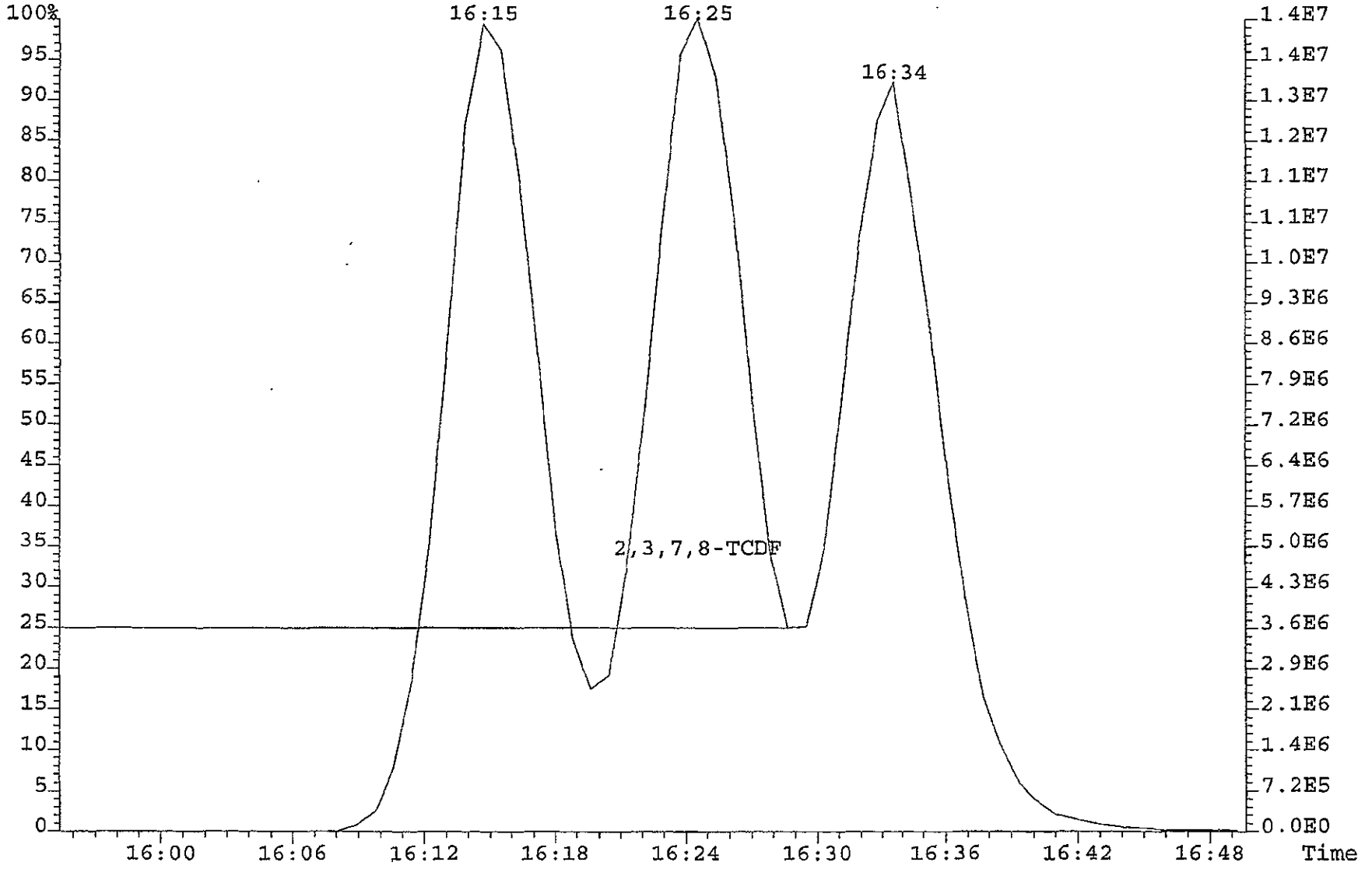








File:26JL105D2 #1-720 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
303.9016 BSUB(128,15,-3.0) Exp:DB225RES Noise:1410

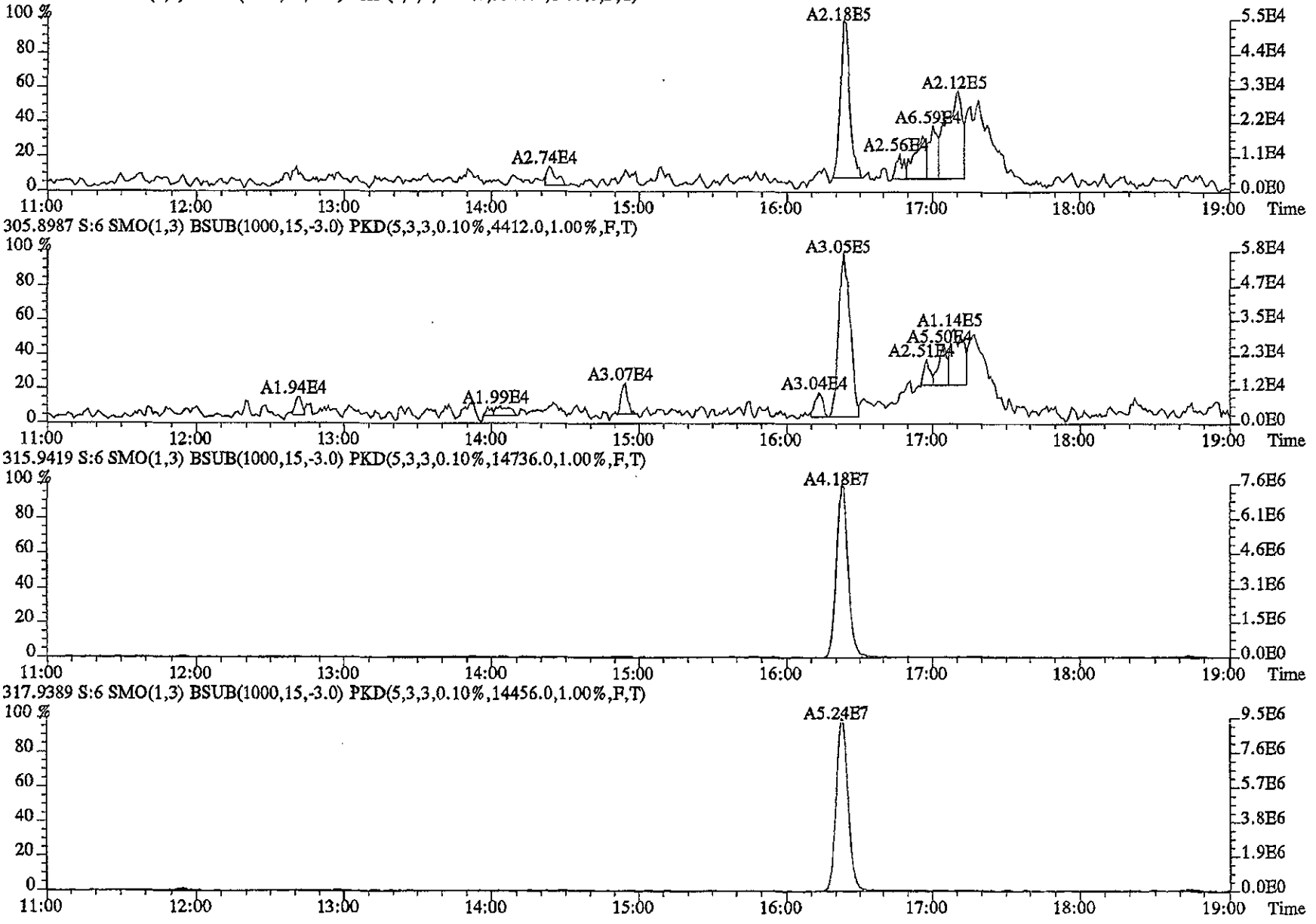


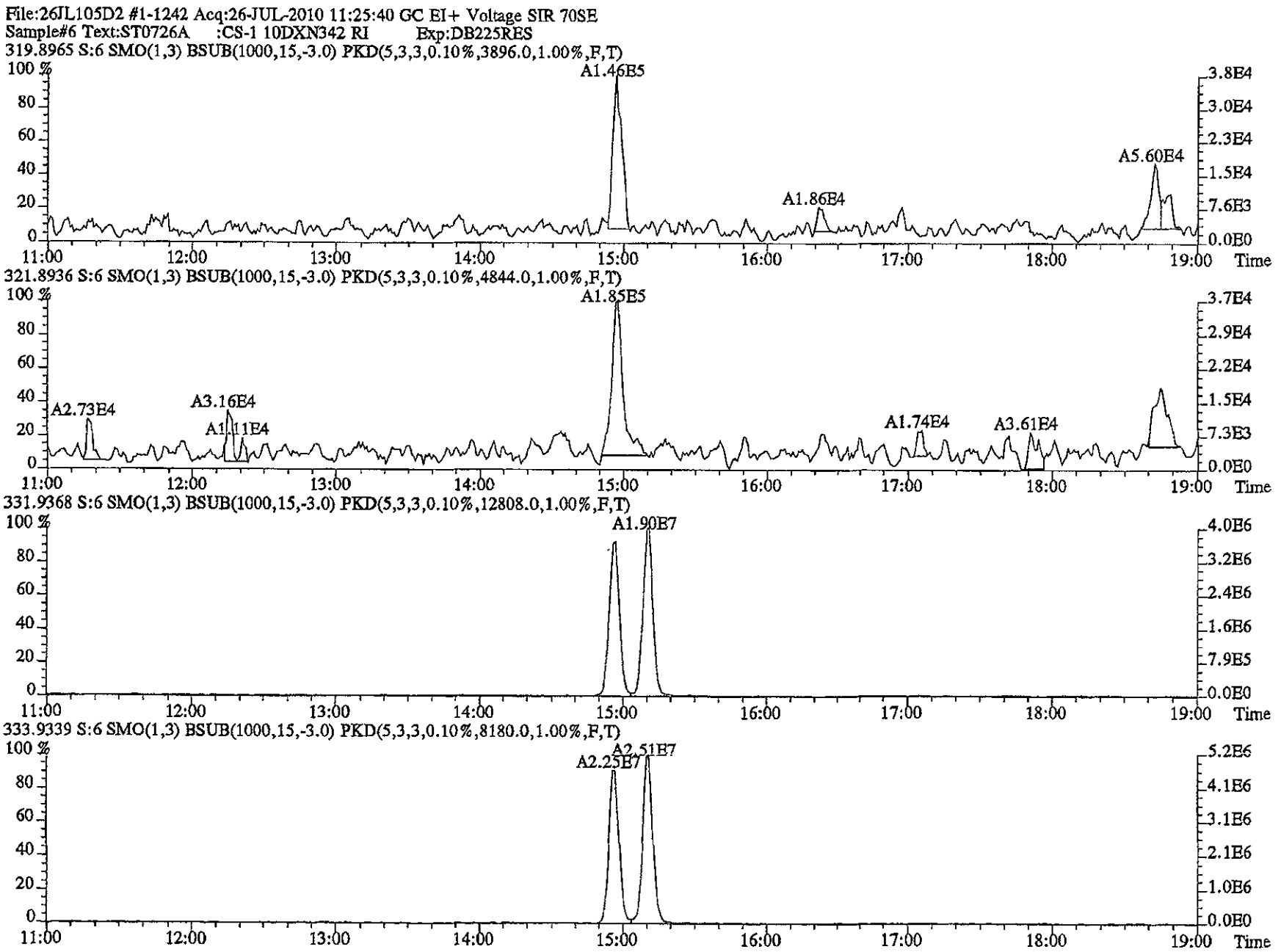
Run text: ST0726F Sample text: ST0726F :2nd Source 10DXN340
Run #6 Filename: 26JL105D2 S: 10 I: 1 Results: 26JL105D2DB225
Acquired: 26-JUL-10 13:40:52 Processed: 26-JUL-10 14:33:34
Run: 26JL105D2 Analyte: DB225 Cal: DB2250726105D2
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

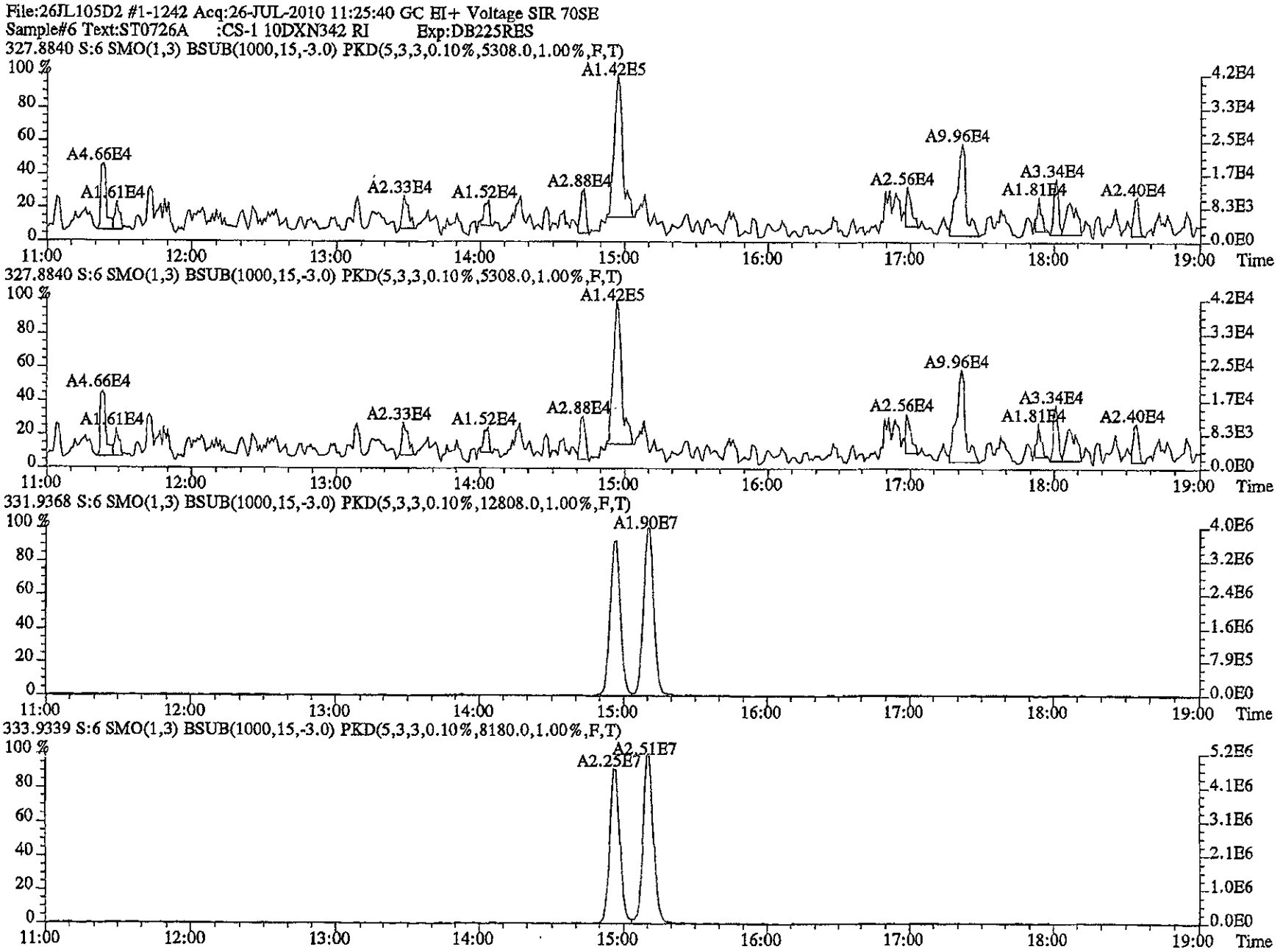
Spiked @ 200 7/26/10 EES

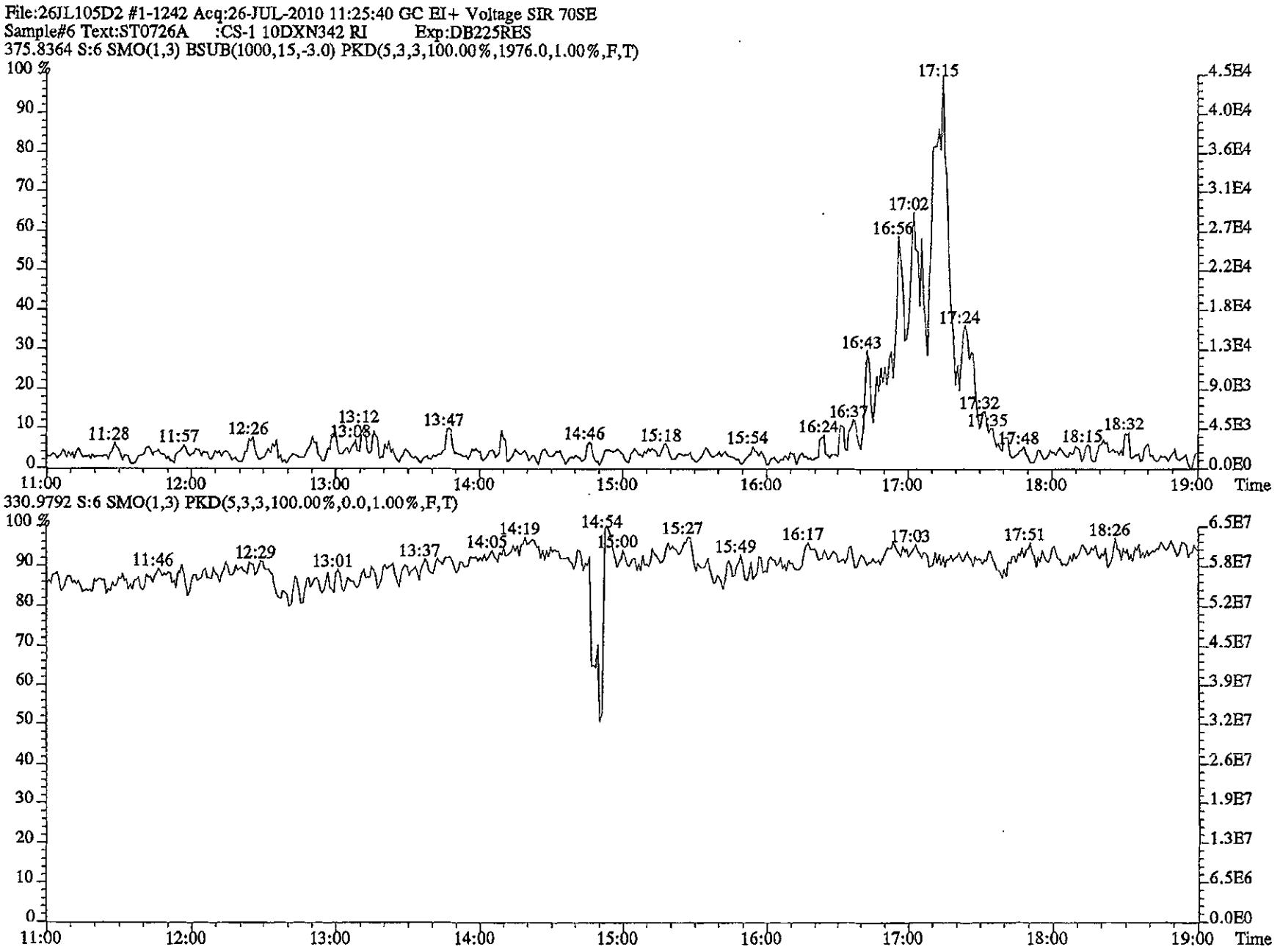
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	117485800	0.79	y	15:10	-	99.48	-	-	n
13C-2,3,7,8-TCDF	262969000	0.78	y	16:22	2.11	2120.25	5.39	106.0	n
2,3,7,8-TCDF	25049900	0.79	y	16:23	1.06	180.39 ✓ 90%	1.31	-	n
13C-2,3,7,8-TCDD	111918800	0.79	y	14:56	0.88	2153.49	7.15	107.7	n
2,3,7,8-TCDD	17243860	0.81	y	14:57	1.64	188.37 ✓ 94%	1.74	-	n
37Cl-2,3,7,8-TCDD	31323200	1.00	y	14:57	1.29	413.47	2.68	103.4	n

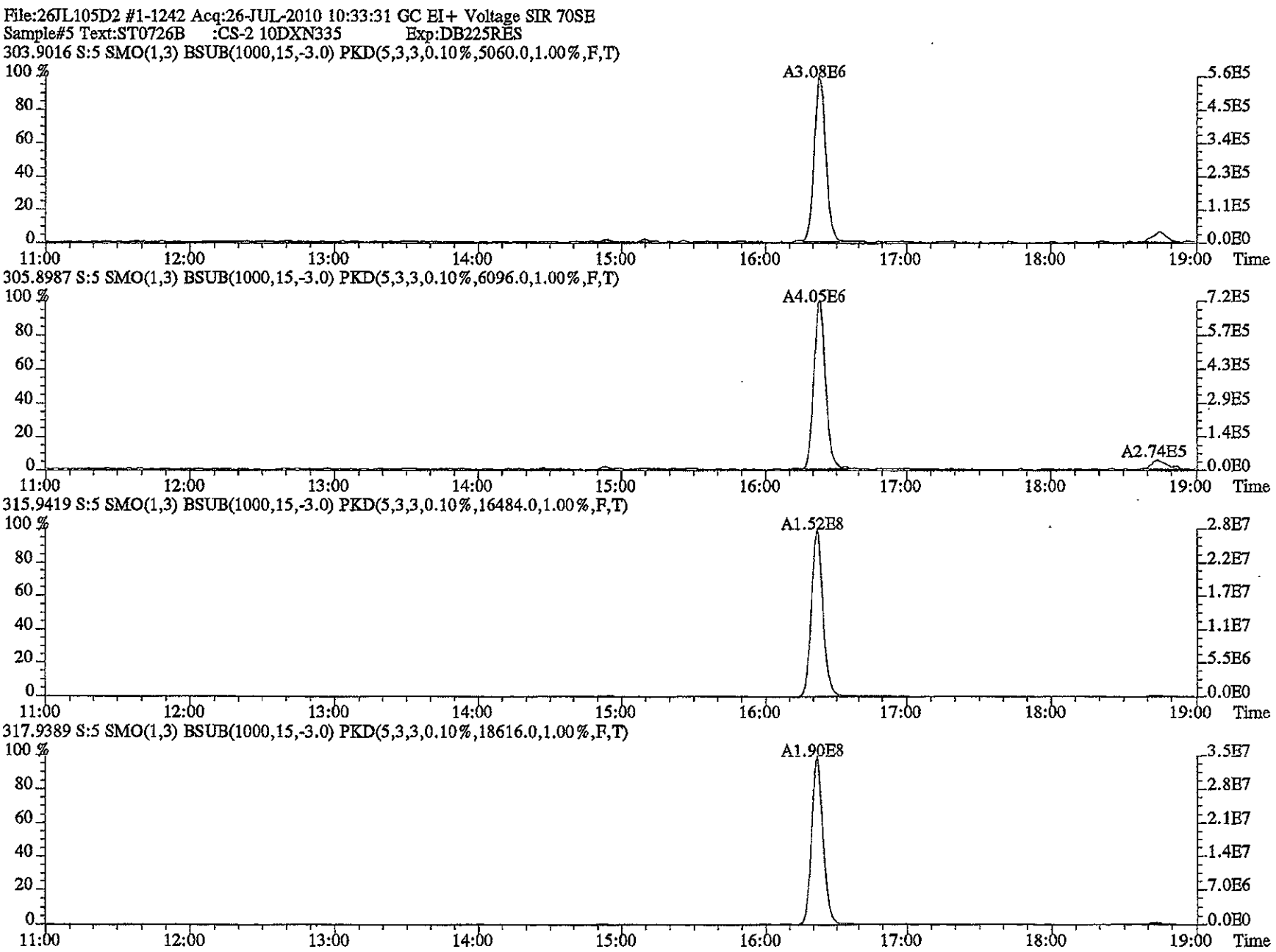
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:25:40 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0726A :CS-1 10DXN342 RI Exp:DB225RES

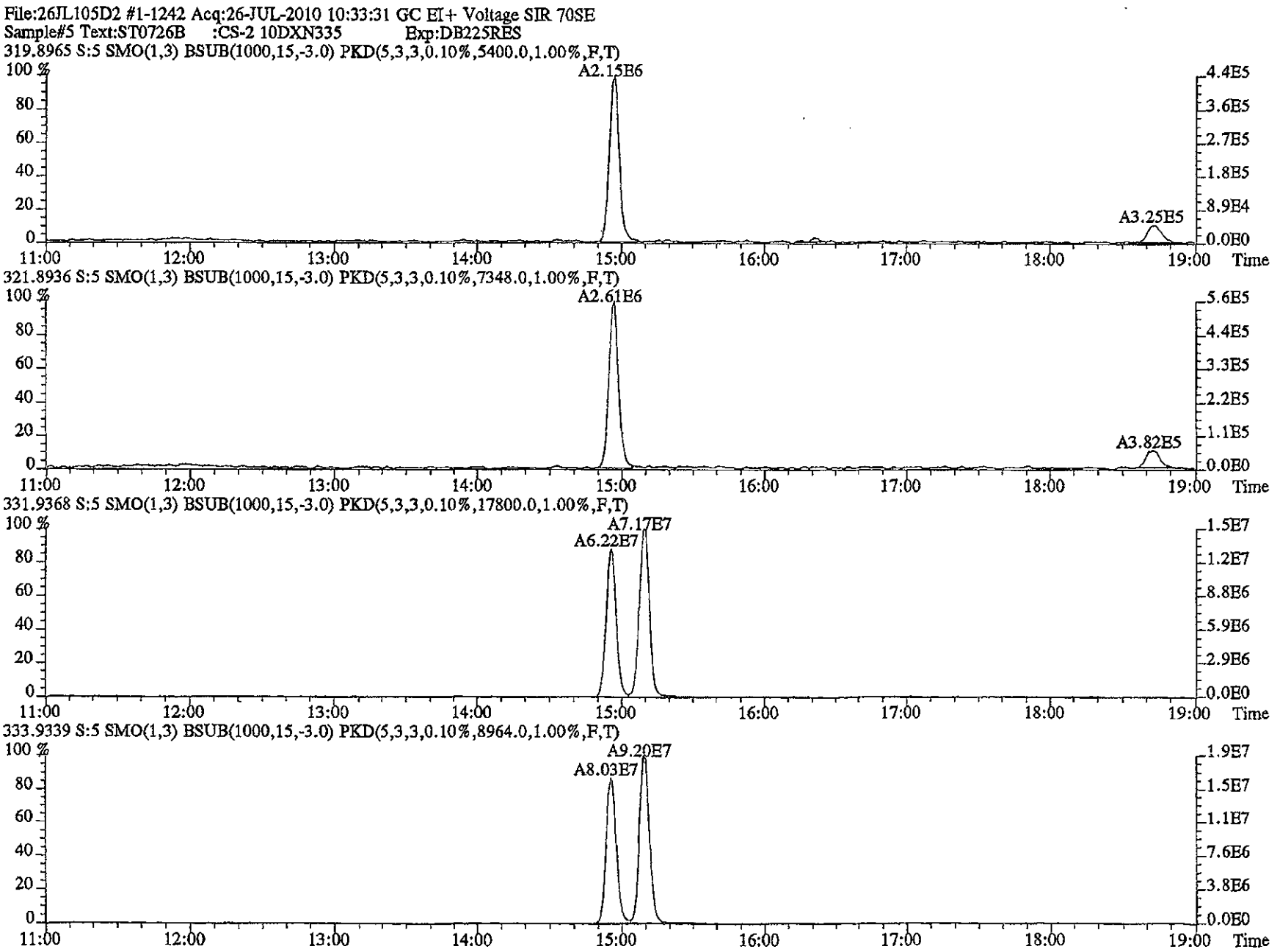




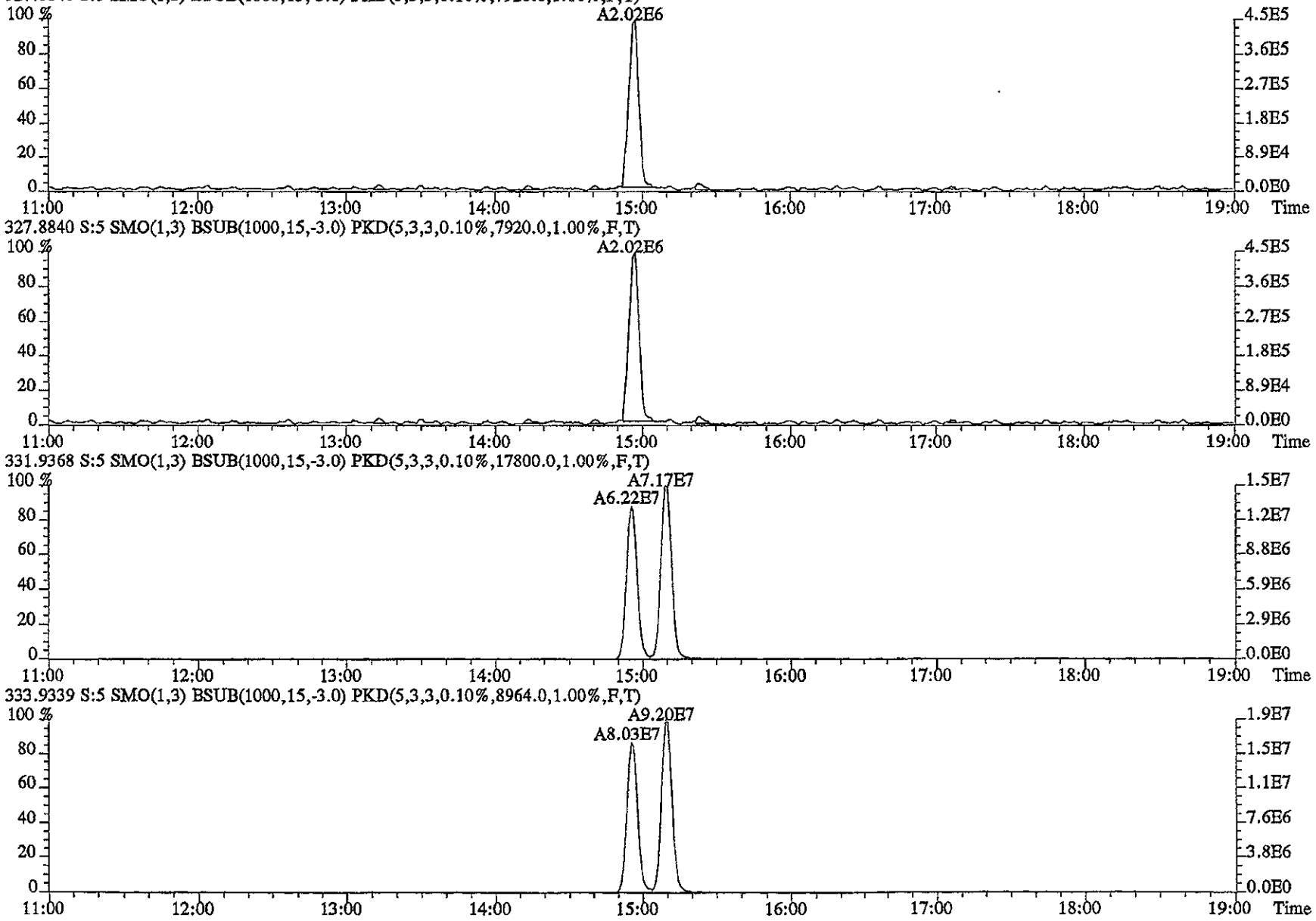




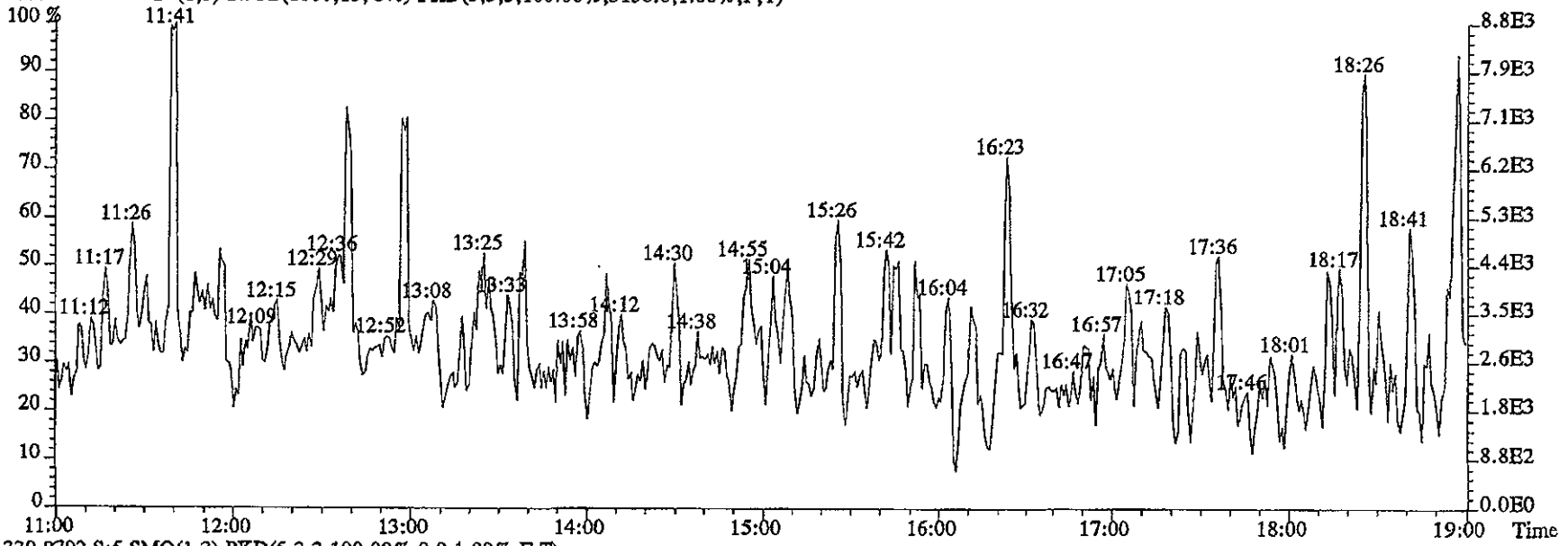




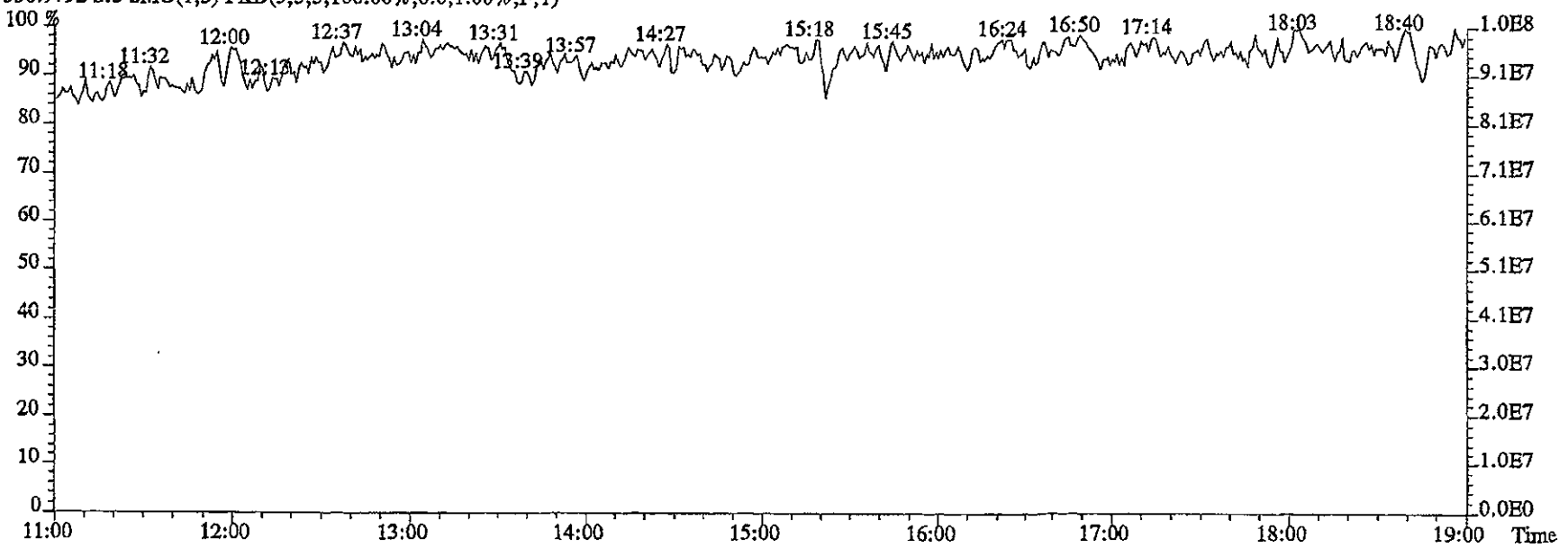
File:26JL105D2 #1-1242 Acq:26-JUL-2010 10:33:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0726B :CS-2 10DXN335 Exp:DB225RES

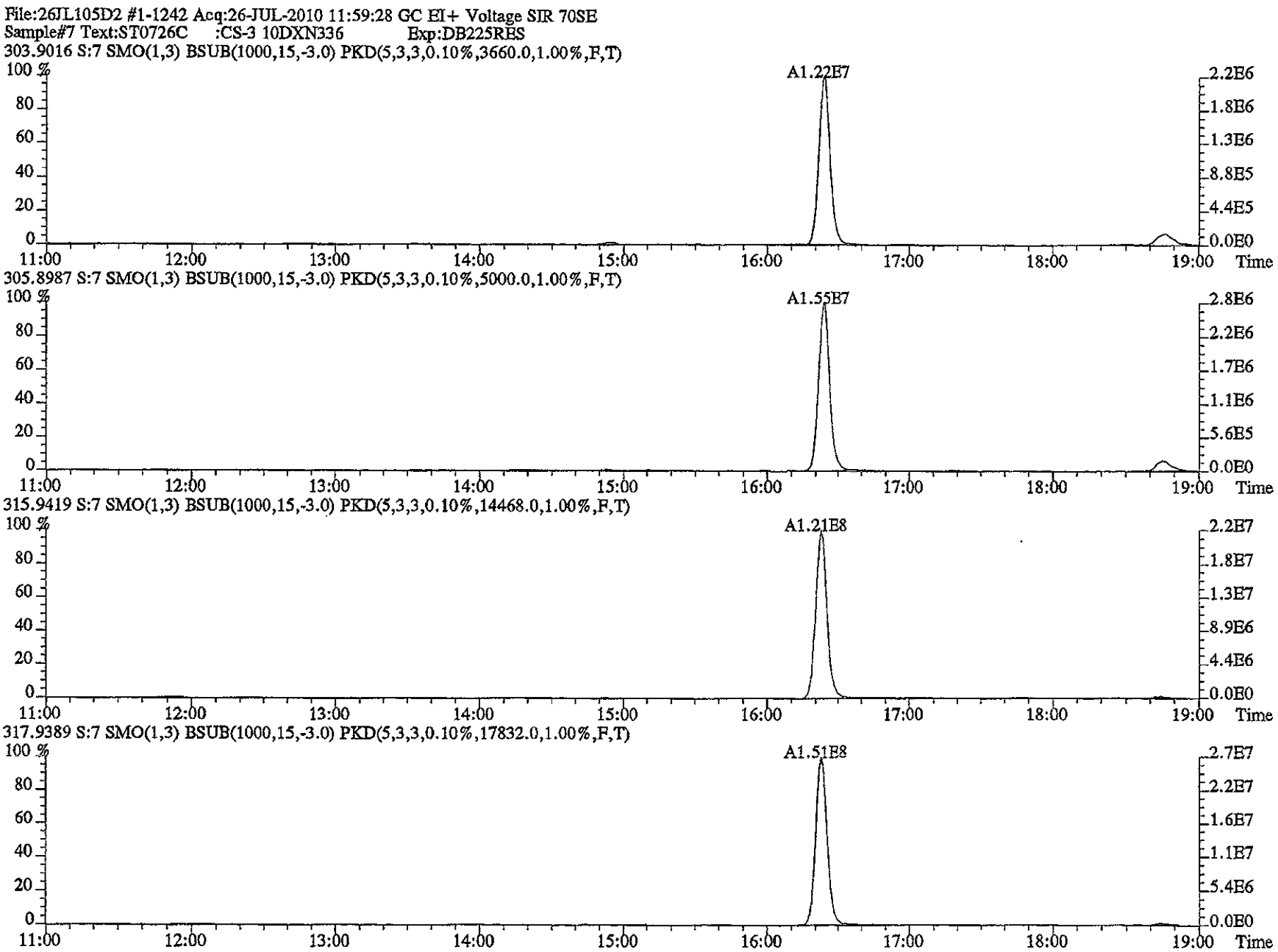


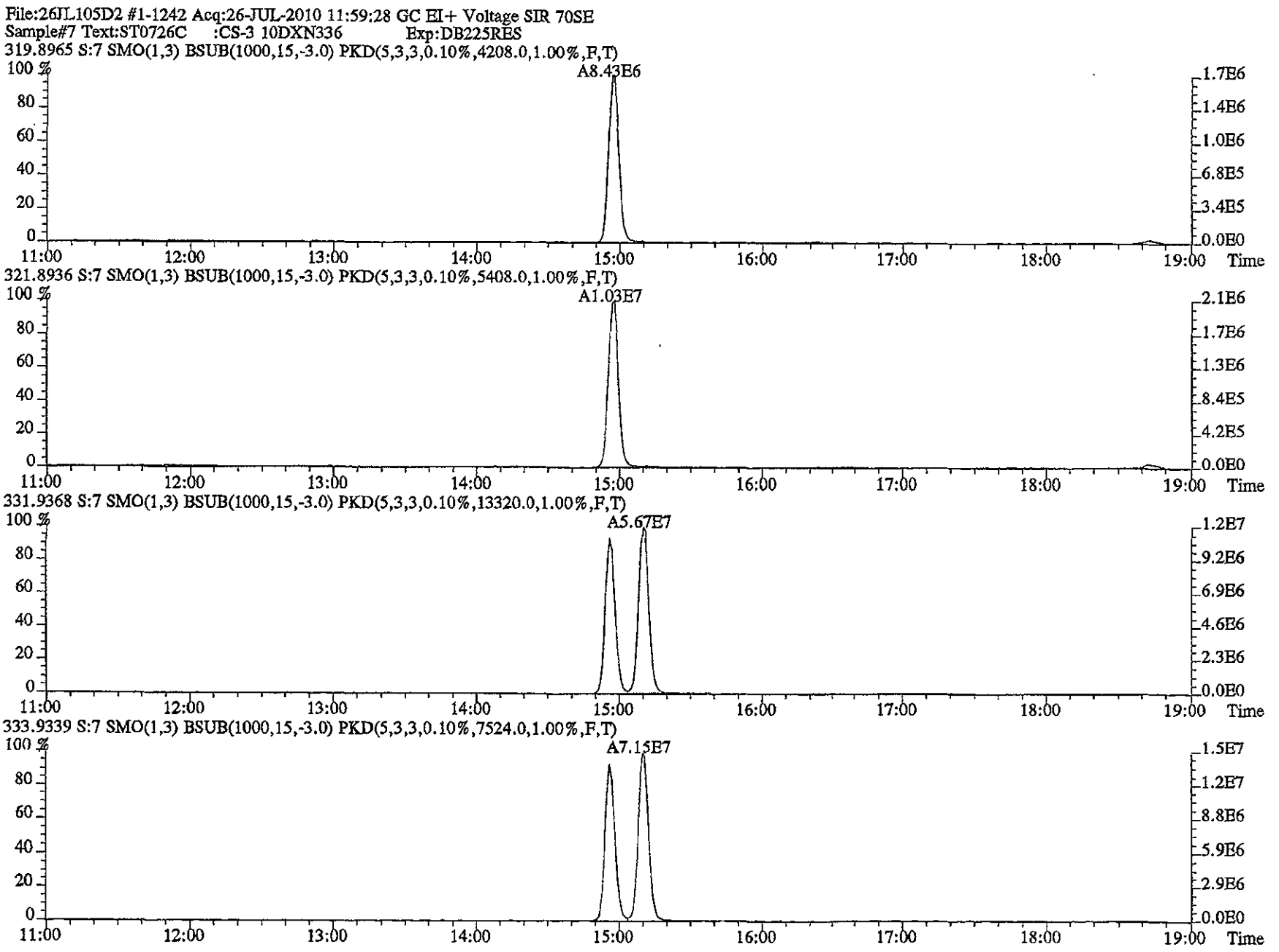
File:26JL105D2 #1-1242 Acq:26-JUL-2010 10:33:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0726B :CS-2 10DXN335 Exp:DB225RES
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3156.0,1.00%,F,T)



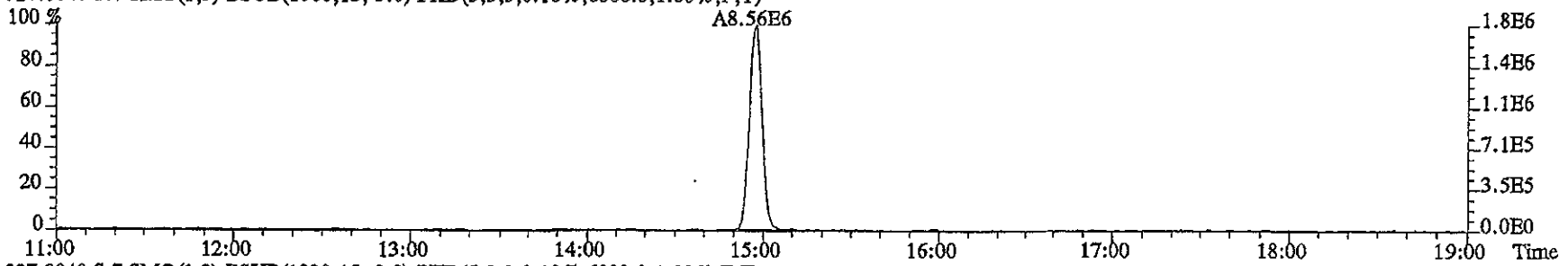
330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



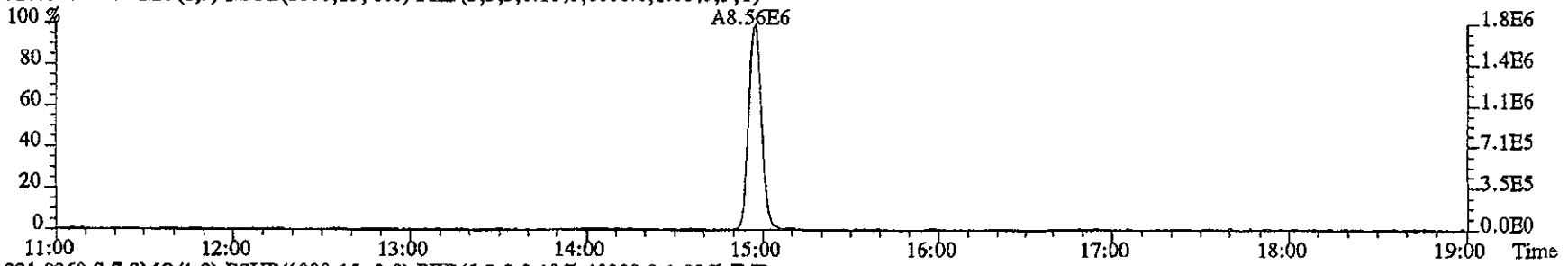

File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3660.0,1.00%,F,T)
A1.22E7
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5000.0,1.00%,F,T)
A1.55E7
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14468.0,1.00%,F,T)
A1.21E8
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17832.0,1.00%,F,T)
A1.51E8
100 %
80
60
40
20
0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
2.2E6
1.8E6
1.3E6
8.8E5
4.4E5
0.0E0
2.8E6
2.2E6
1.7E6
1.1E6
5.6E5
0.0E0
2.2E7
1.8E7
1.3E7
8.9E6
4.4E6
0.0E0
2.7E7
2.2E7
1.6E7
1.1E7
5.4E6
0.0E0



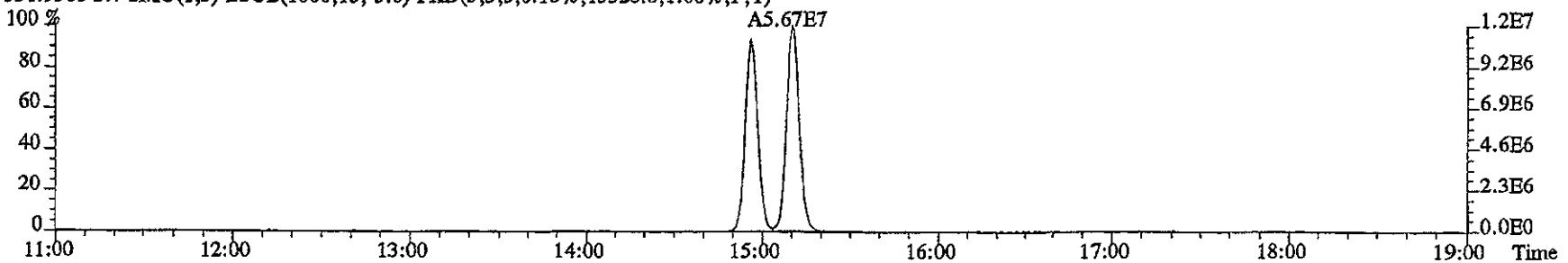
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6008.0,1.00%,F,T)



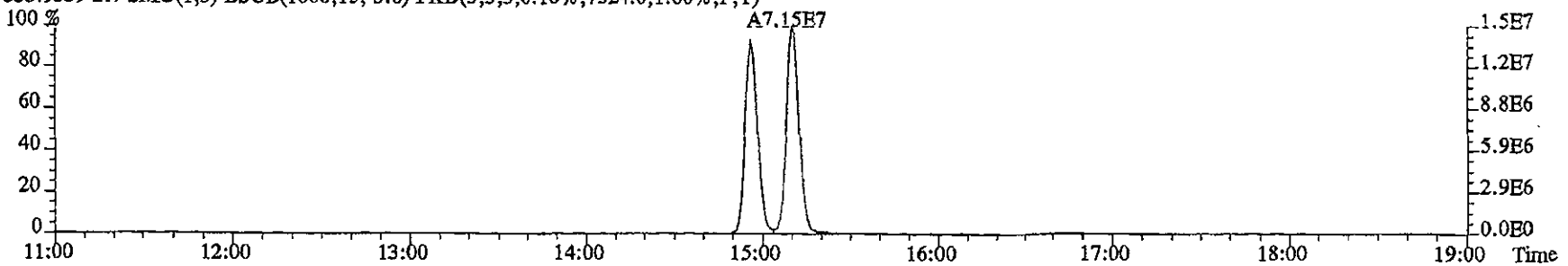
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6008.0,1.00%,F,T)



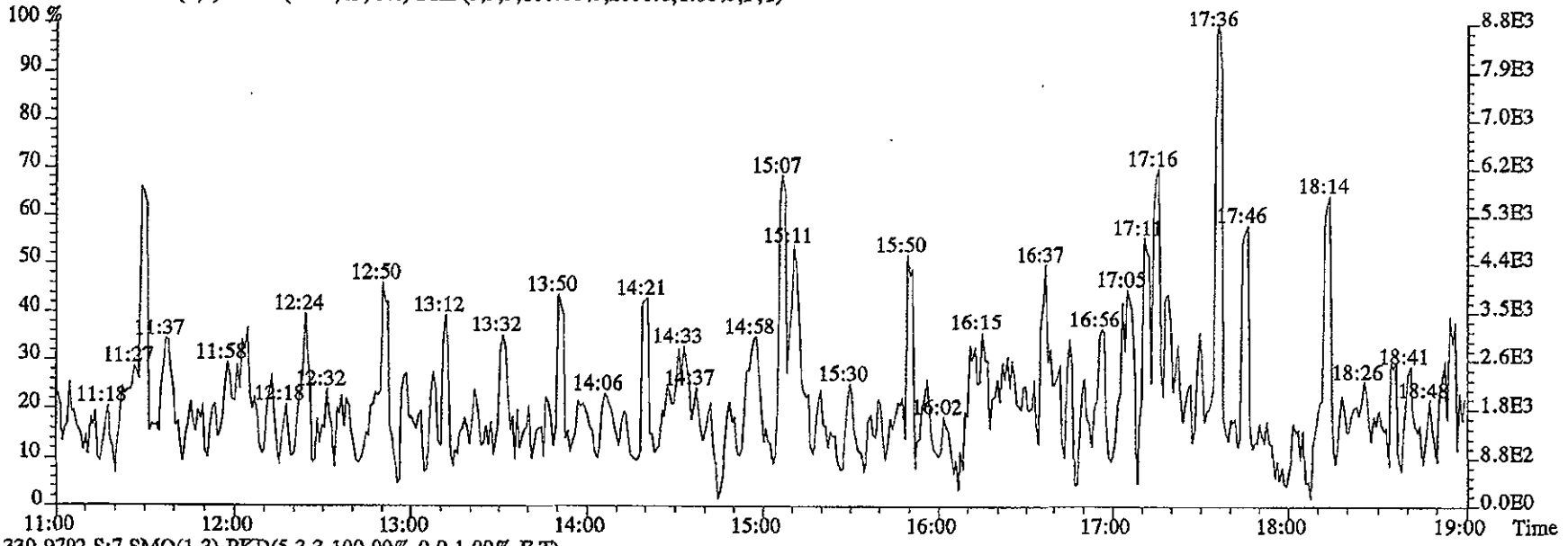
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13320.0,1.00%,F,T)



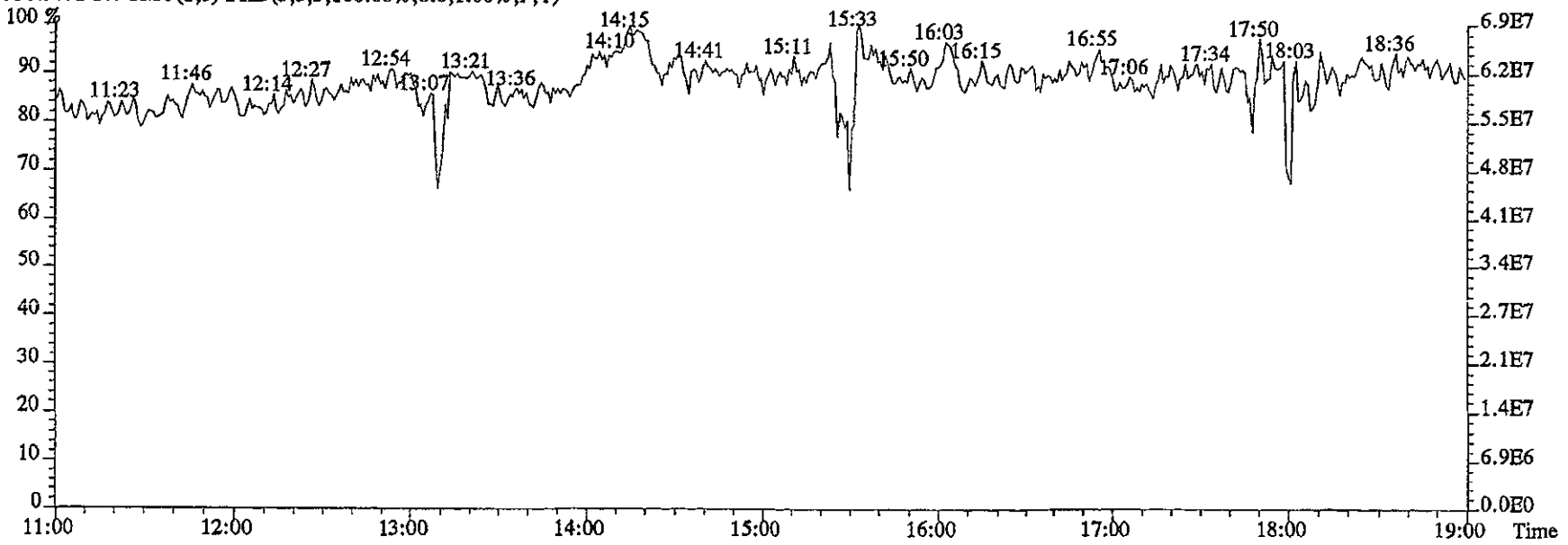
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7524.0,1.00%,F,T)



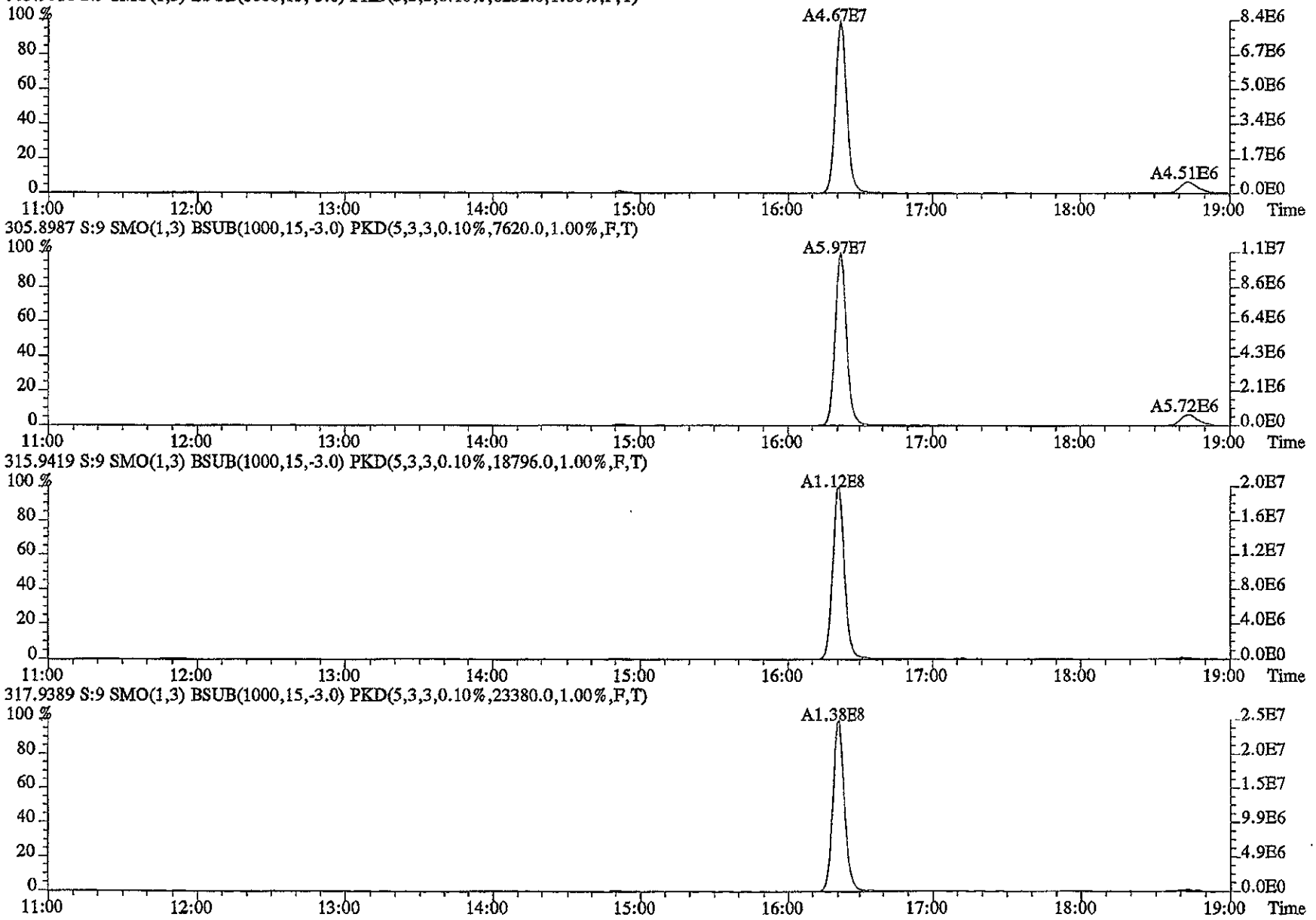
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2000.0,1.00%,F,T)

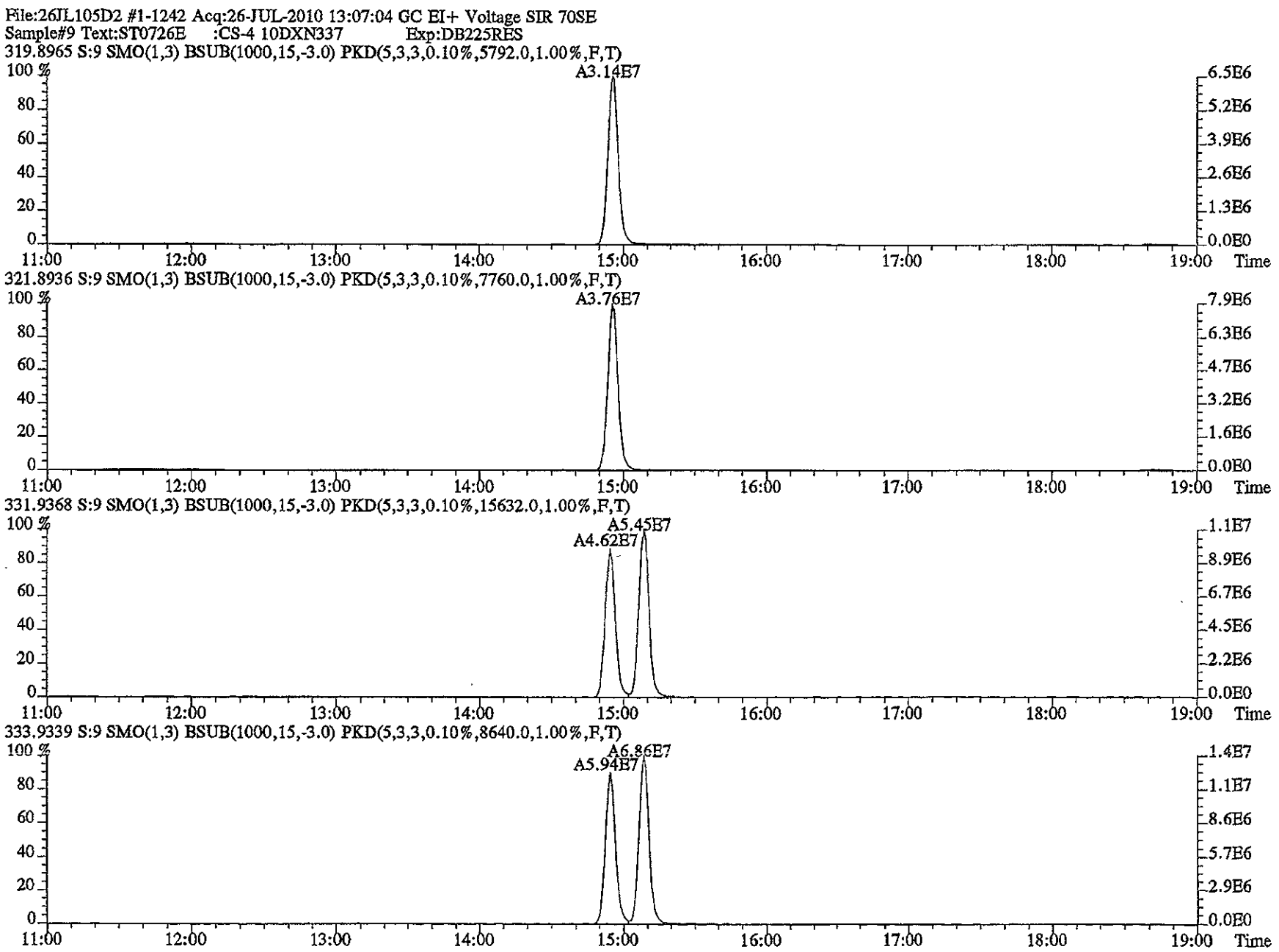


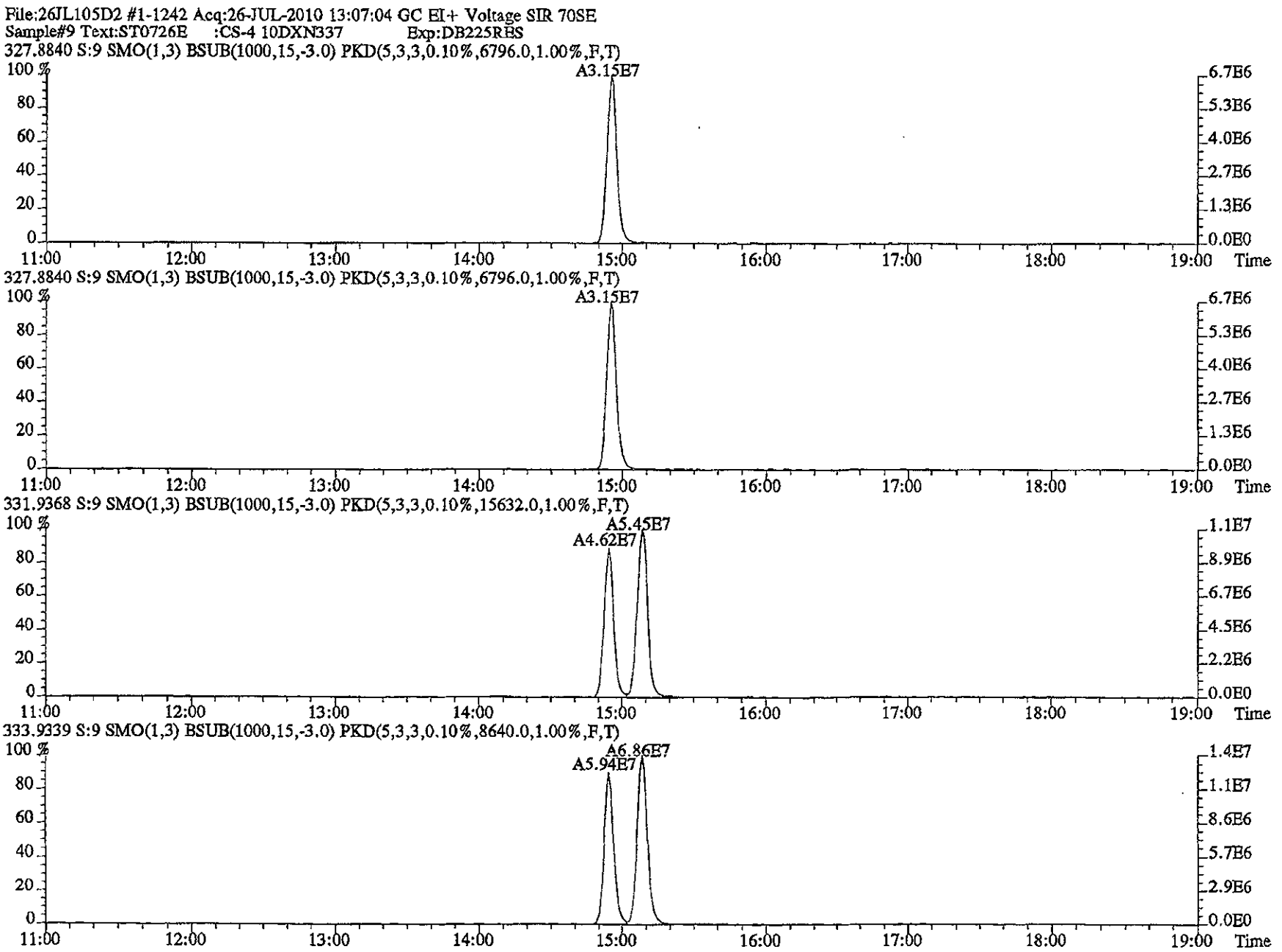
330.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

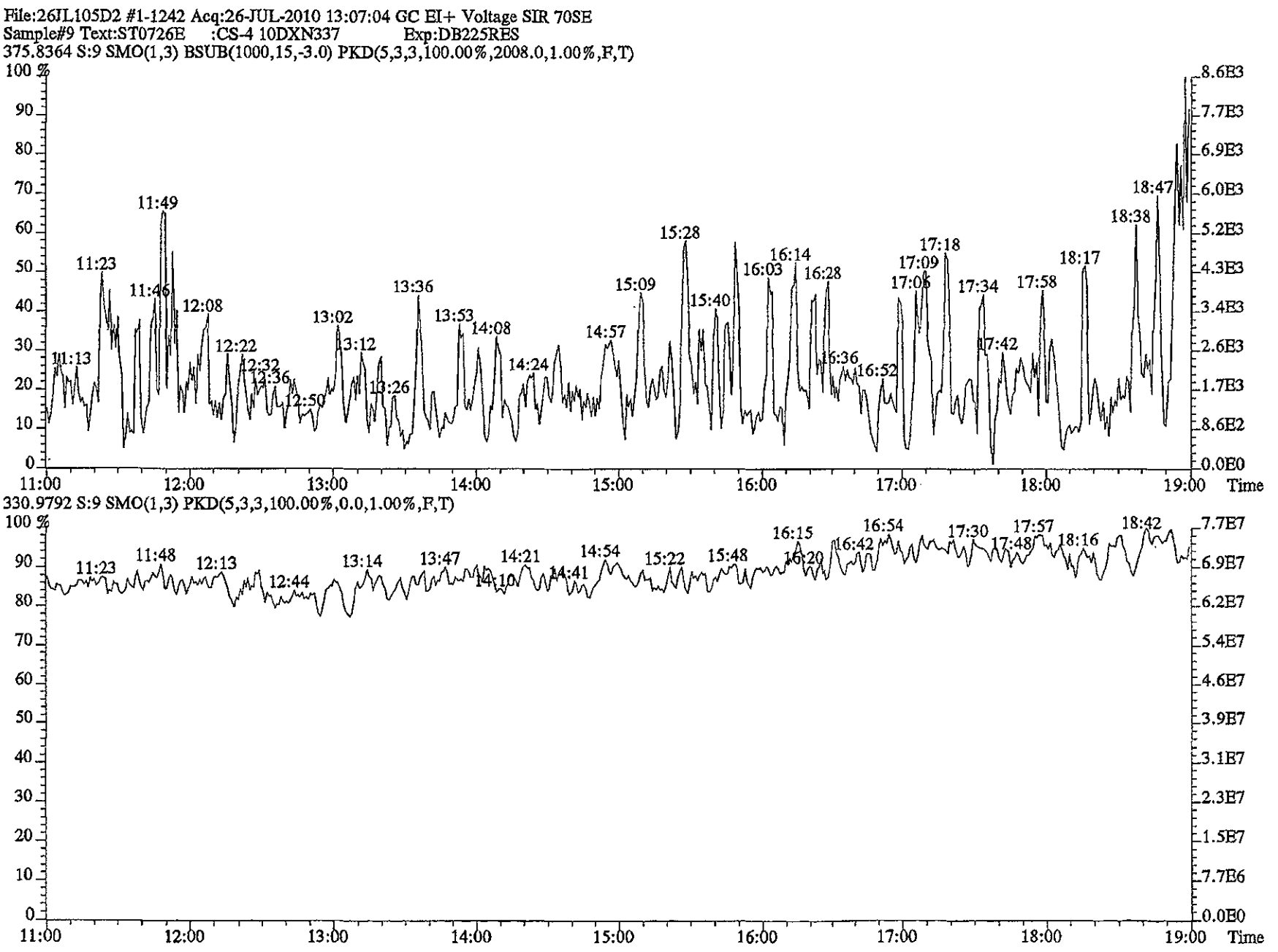


File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB225RES

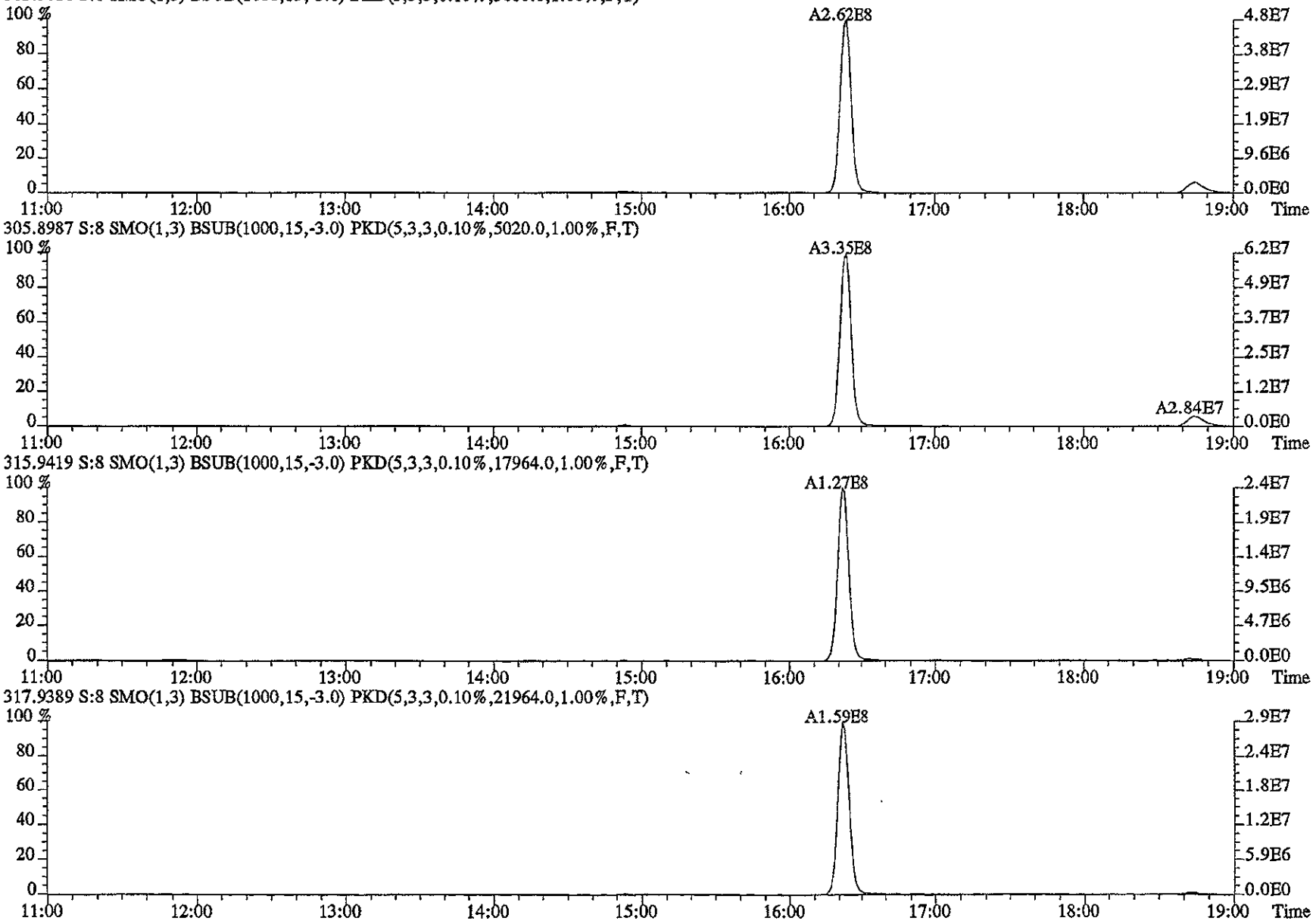


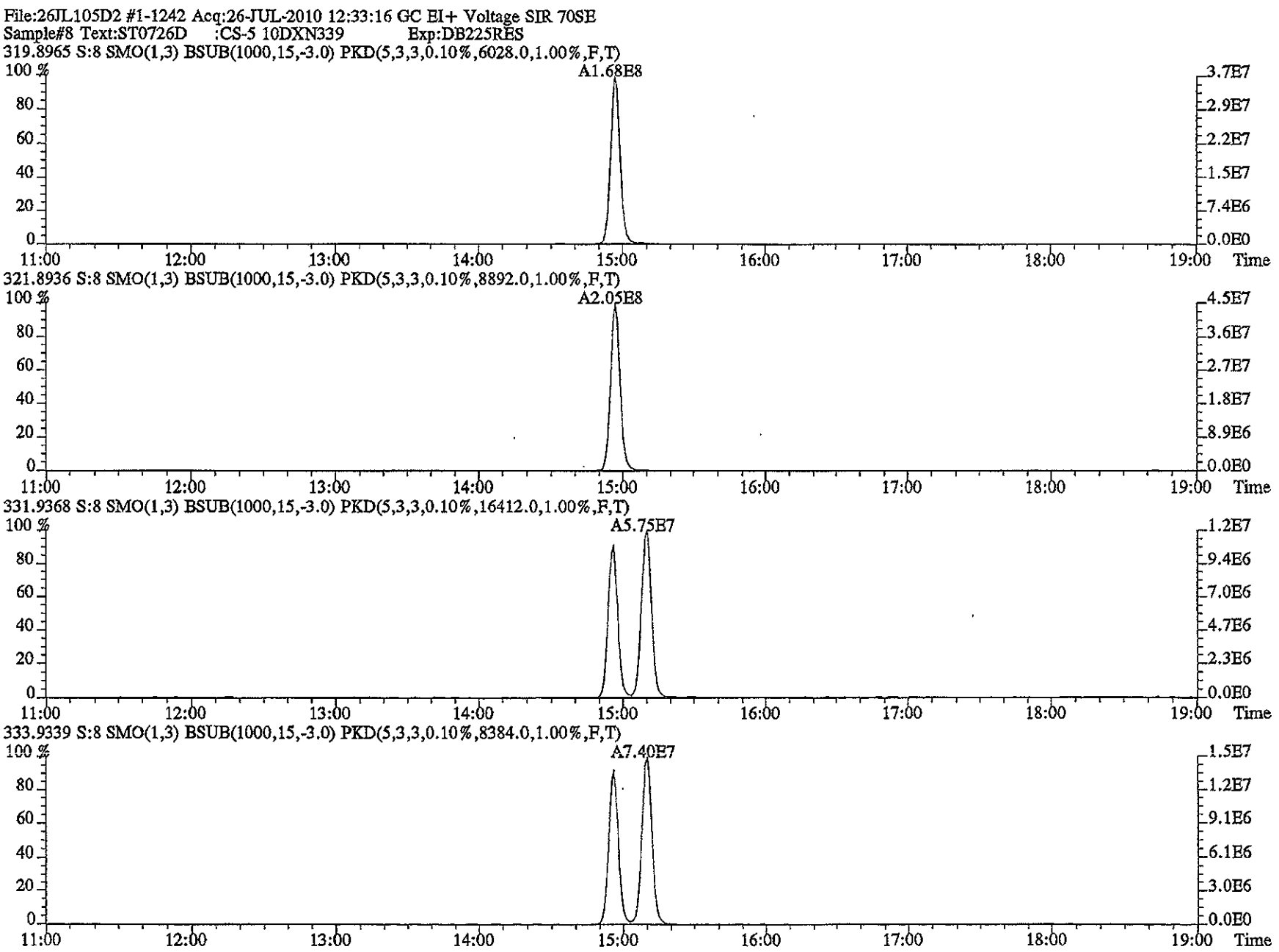


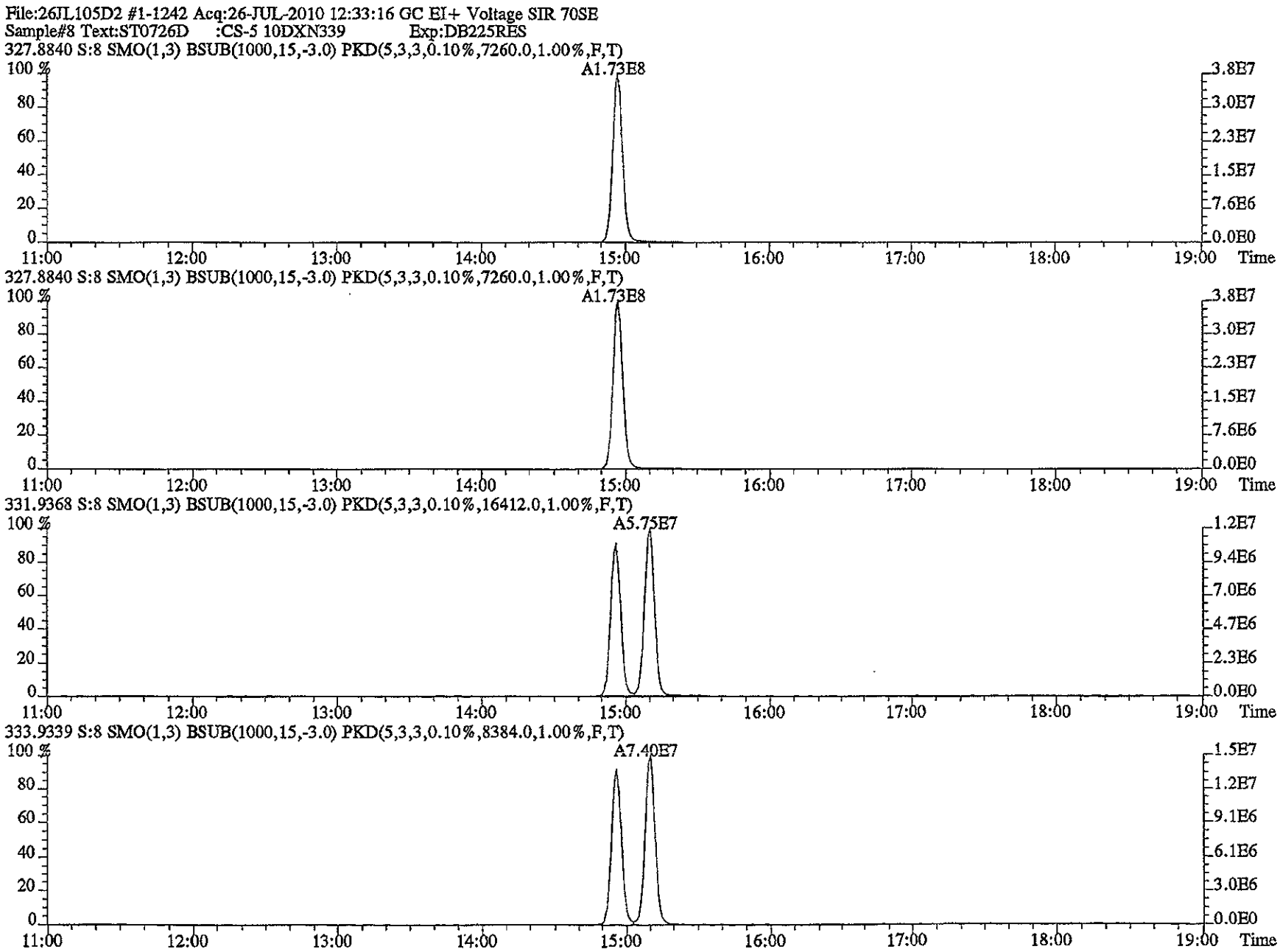


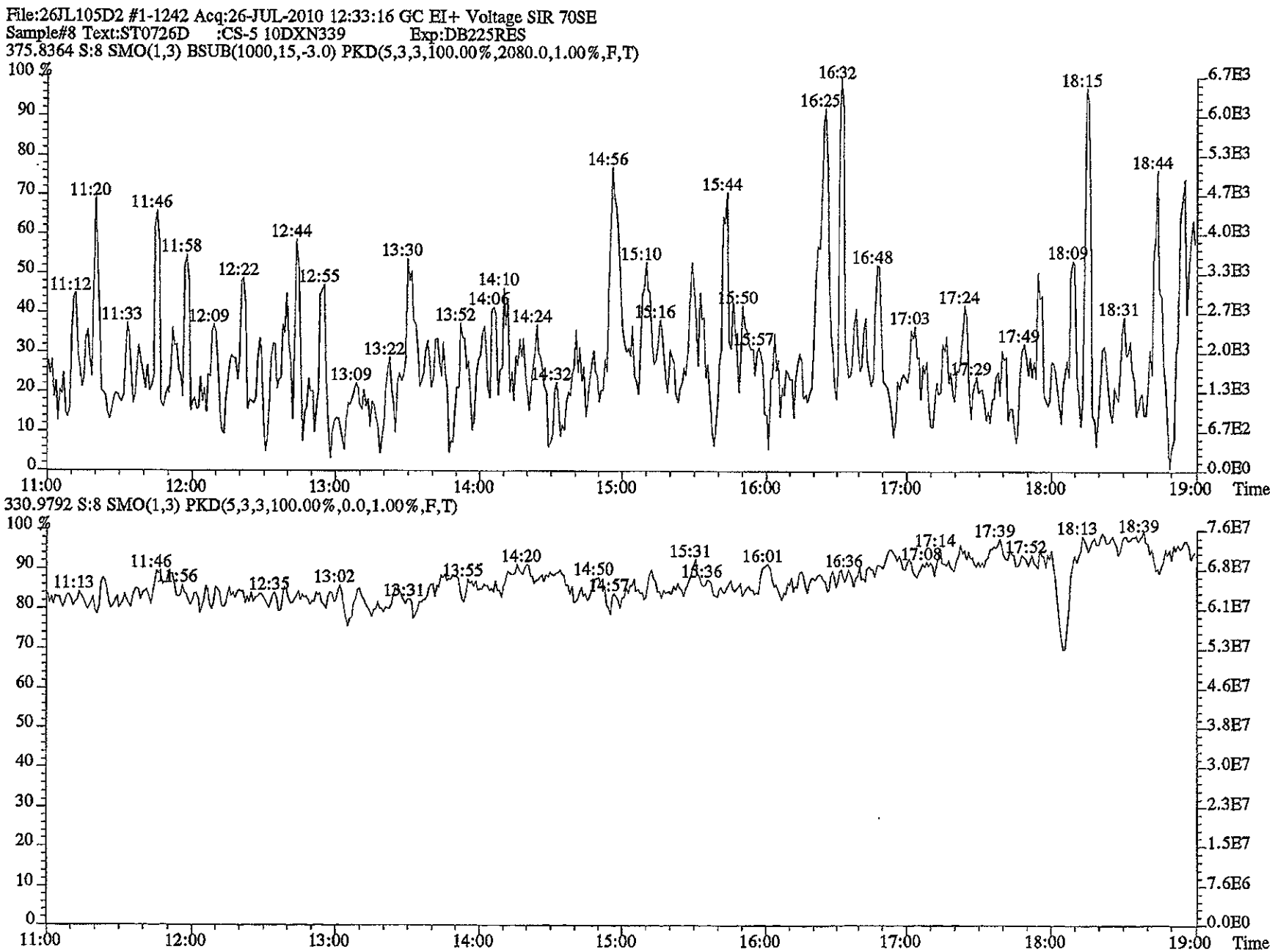


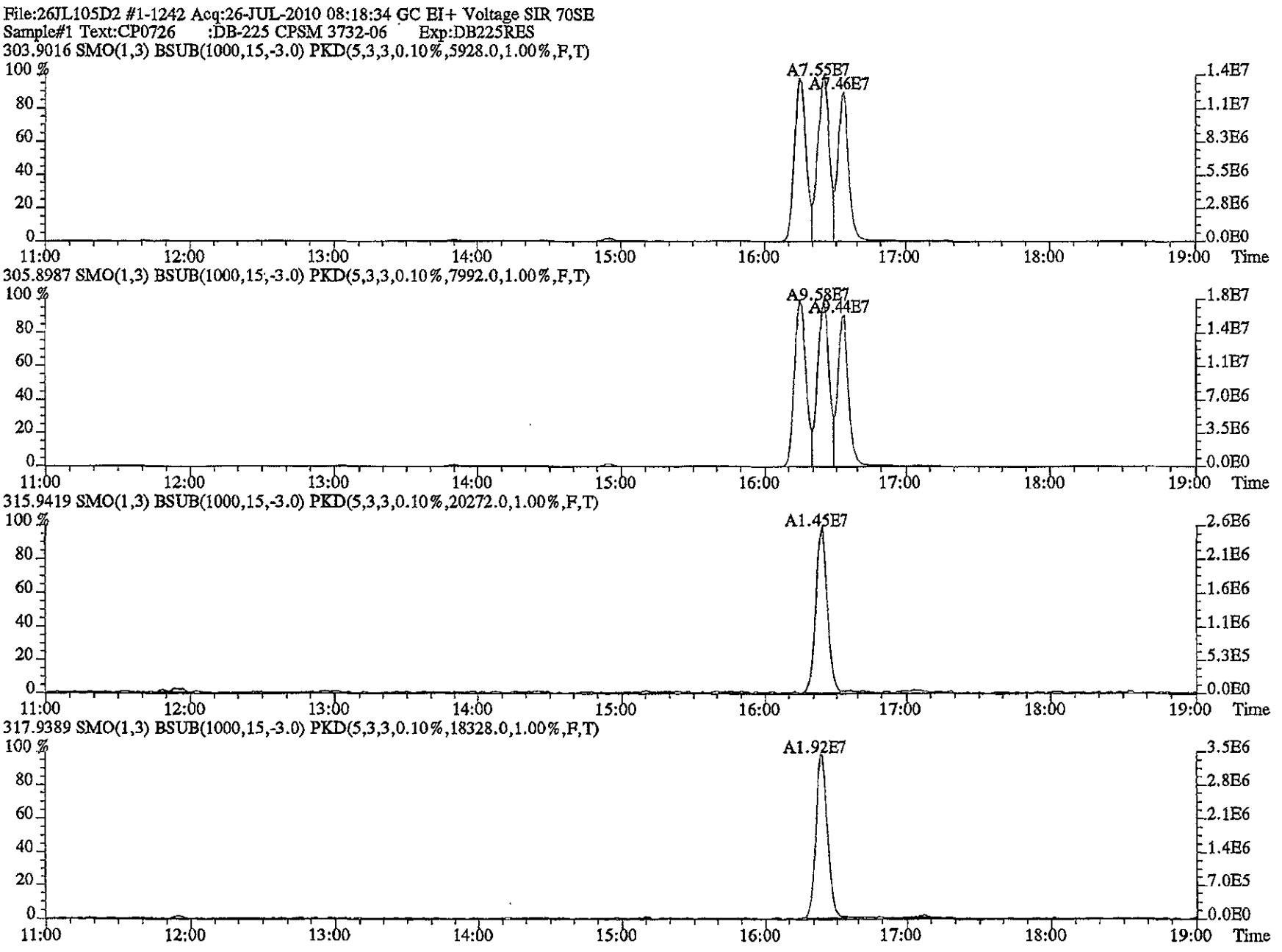
File:26JL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RES

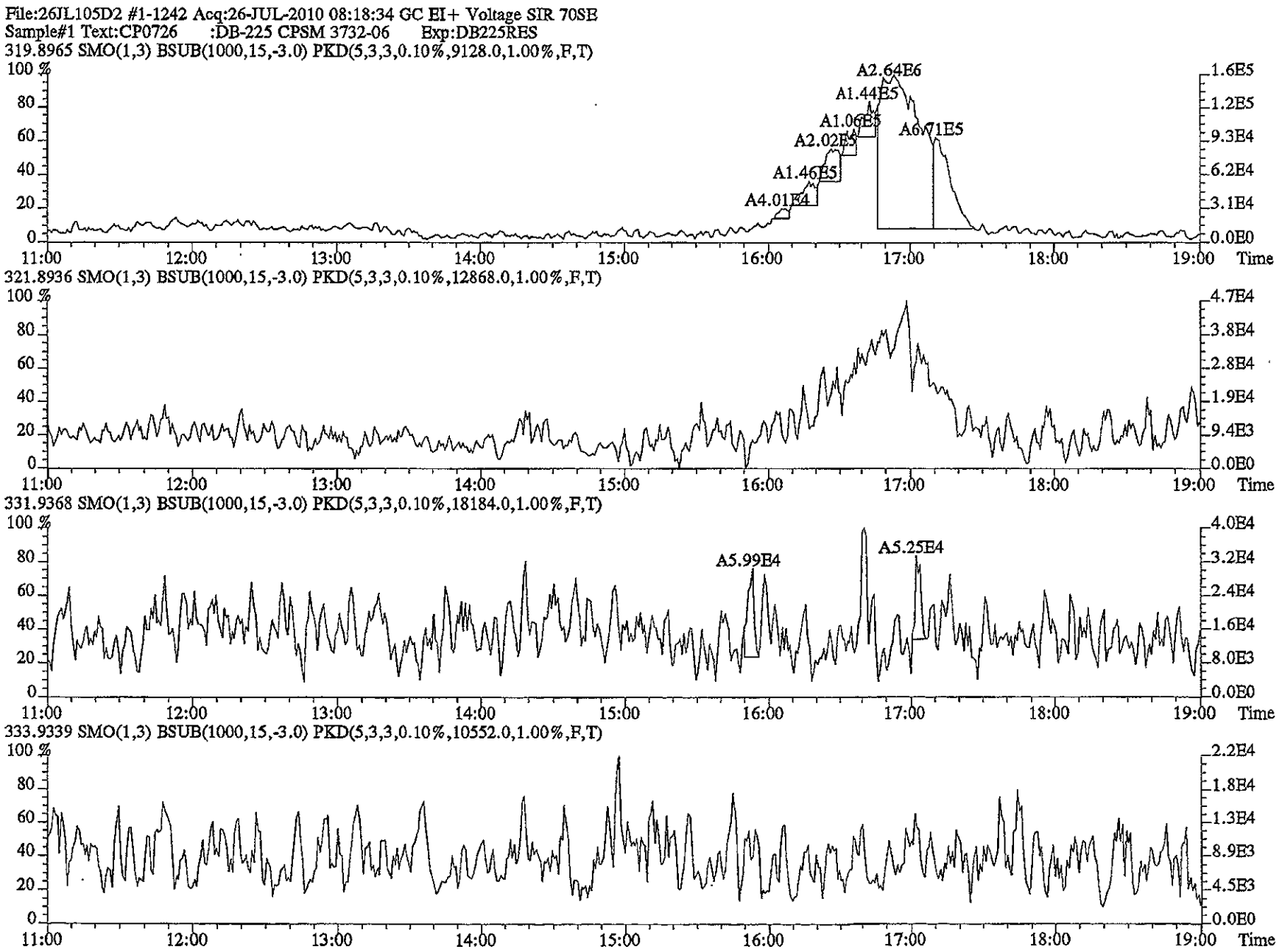



File:26JL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RES
319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6028.0,1.00%,F,T)
A1.68E8
321.8936 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8892.0,1.00%,F,T)
A2.05E8
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16412.0,1.00%,F,T)
A5.75E7
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8384.0,1.00%,F,T)
A7.40E7
100 %
80
60
40
20
0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
3.7E7
2.9E7
2.2E7
1.5E7
7.4E6
0.0E0
4.5E7
3.6E7
2.7E7
1.8E7
8.9E6
1.2E7
9.4E6
7.0E6
4.7E6
2.3E6
1.5E7
1.2E7
9.1E6
6.1E6
3.0E6

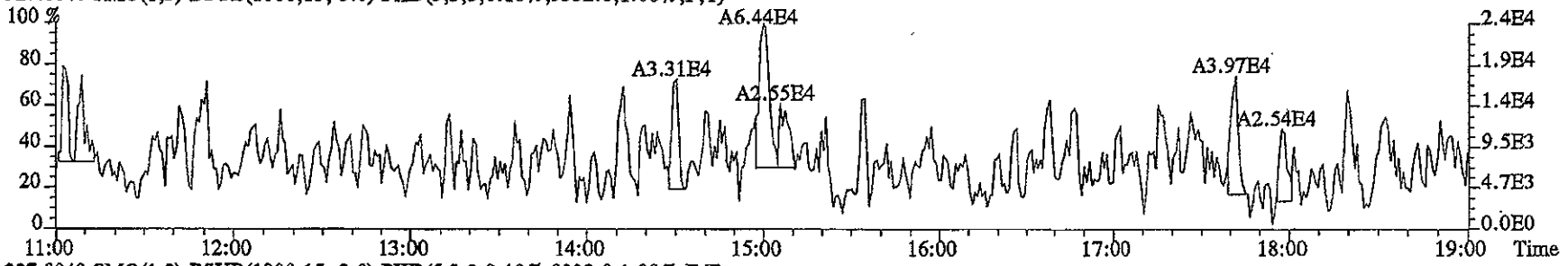

File:26JL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RES
327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7260.0,1.00%,F,T)
A1.73E8
327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7260.0,1.00%,F,T)
A1.73E8
331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16412.0,1.00%,F,T)
A5.75E7
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8384.0,1.00%,F,T)
A7.40E7
100 %
80
60
40
20
0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
3.8E7
3.0E7
2.3E7
1.5E7
7.6E6
0.0E0
1.2E7
9.4E6
7.0E6
4.7E6
2.3E6
1.5E7
1.2E7
9.1E6
6.1E6
3.0E6


File:26JL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RES
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2080.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
6.7E3
6.0E3
5.3E3
4.7E3
4.0E3
3.3E3
2.7E3
2.0E3
1.3E3
6.7E2
0.0E0
11:12
11:20
11:33
11:46
11:58
12:09
12:22
12:44
12:55
13:09
13:22
13:30
13:52
14:06
14:10
14:24
14:32
14:56
15:10
15:16
15:44
15:50
15:57
16:25
16:32
16:48
17:03
17:24
17:29
17:49
18:09
18:15
18:31
18:44
330.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
7.6E7
6.8E7
6.1E7
5.3E7
4.6E7
3.8E7
3.0E7
2.3E7
1.5E7
7.6E6
0.0E0
11:13
11:46
11:56
12:35
13:02
13:31
13:55
14:20
14:50
14:57
15:31
15:36
16:01
16:36
17:08
17:14
17:39
17:52
18:13
18:39

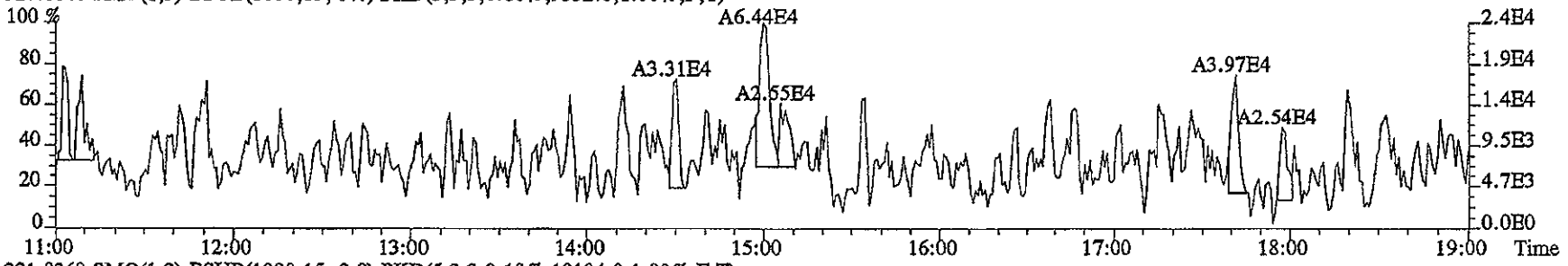




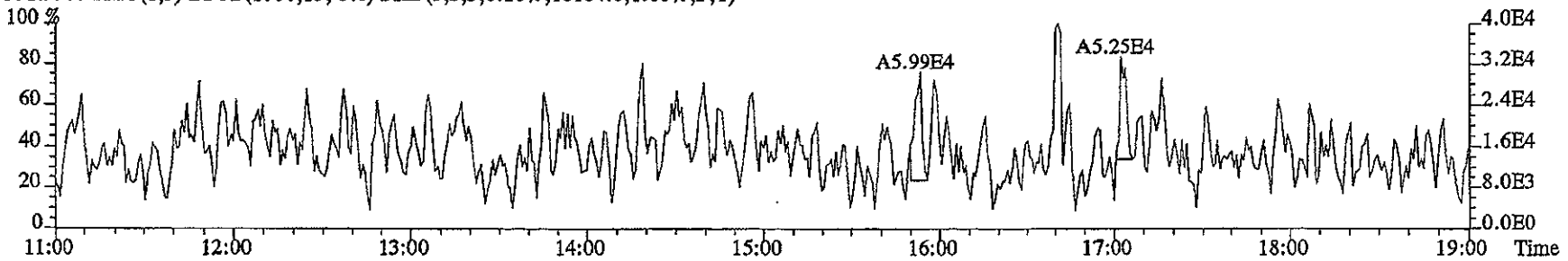
File:26JL105D2 #1-1242 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0726 :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)



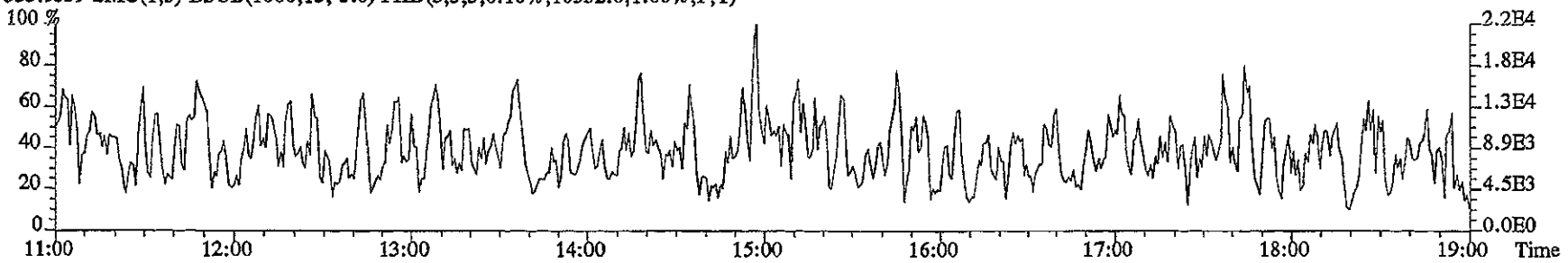
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)

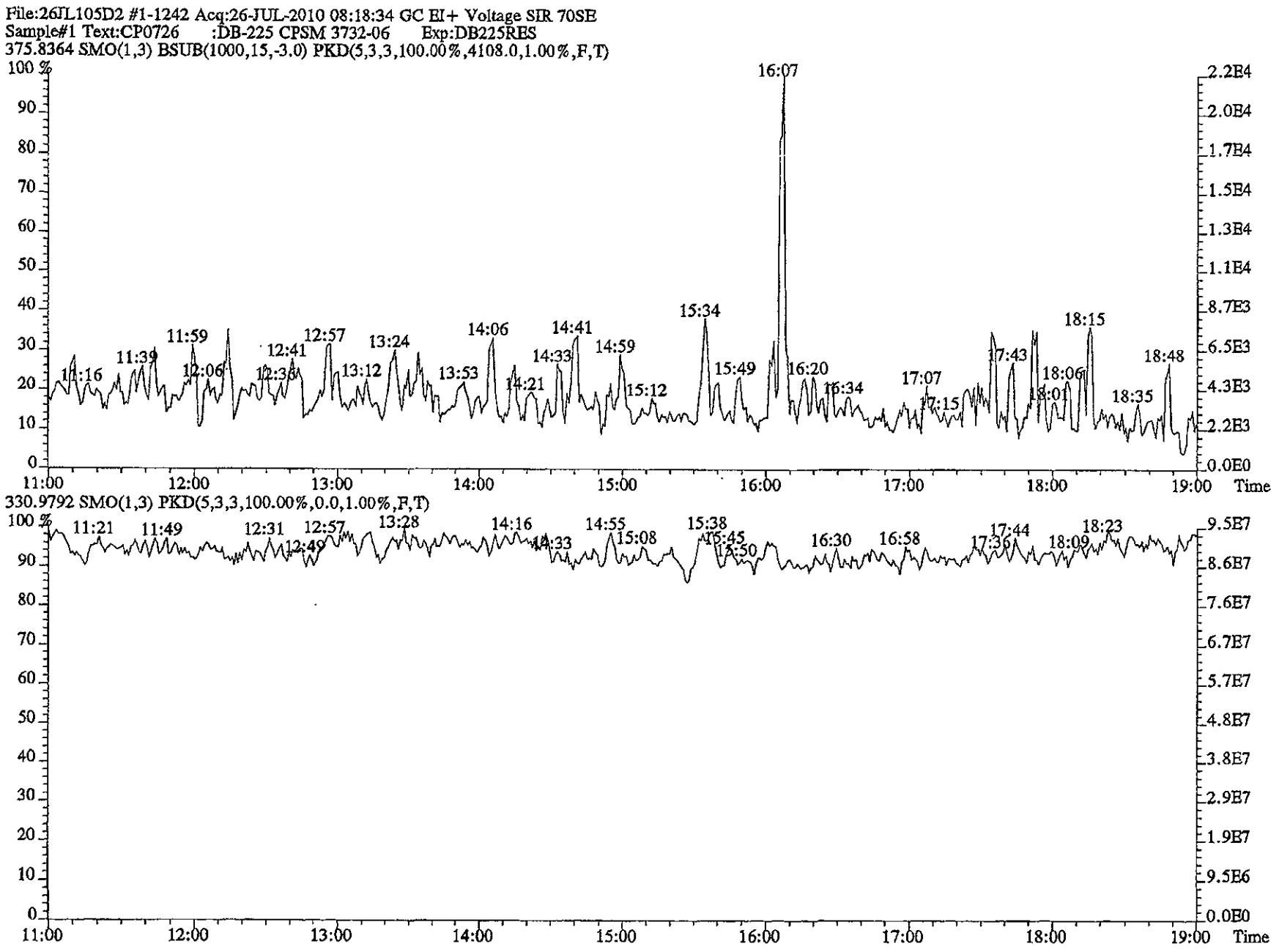


331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18184.0,1.00%,F,T)

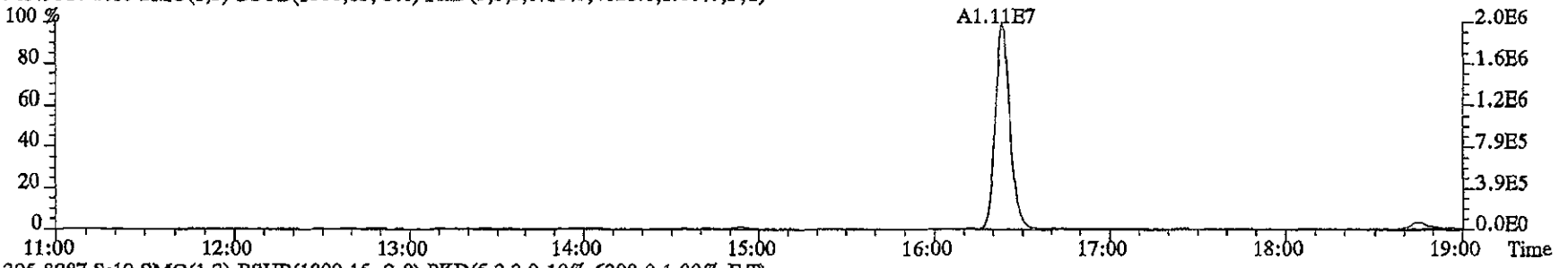


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10552.0,1.00%,F,T)

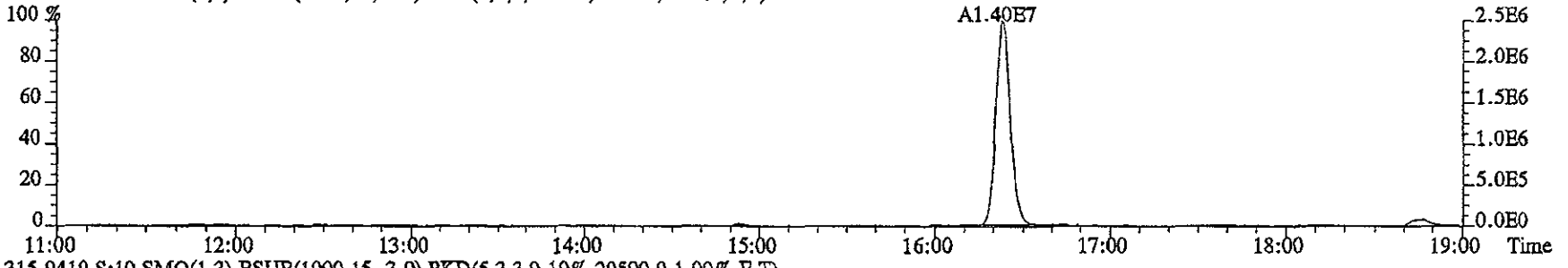



File:26JL105D2 #1-1242 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0726 :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4108.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
2.2E4
2.0E4
1.7E4
1.5E4
1.3E4
1.1E4
8.7E3
6.5E3
4.3E3
2.2E3
0.0E0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
9.5E7
8.6E7
7.6E7
6.7E7
5.7E7
4.8E7
3.8E7
2.9E7
1.9E7
9.5E6
0.0E0

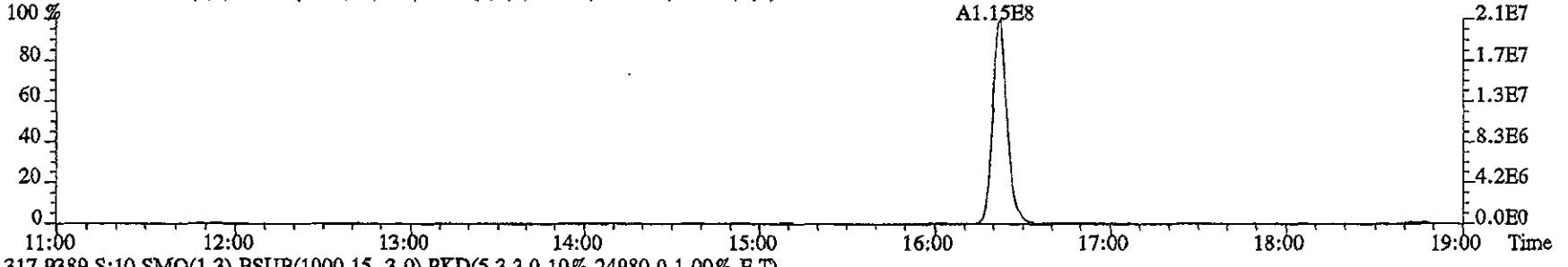
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE
Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4628.0,1.00%,F,T)



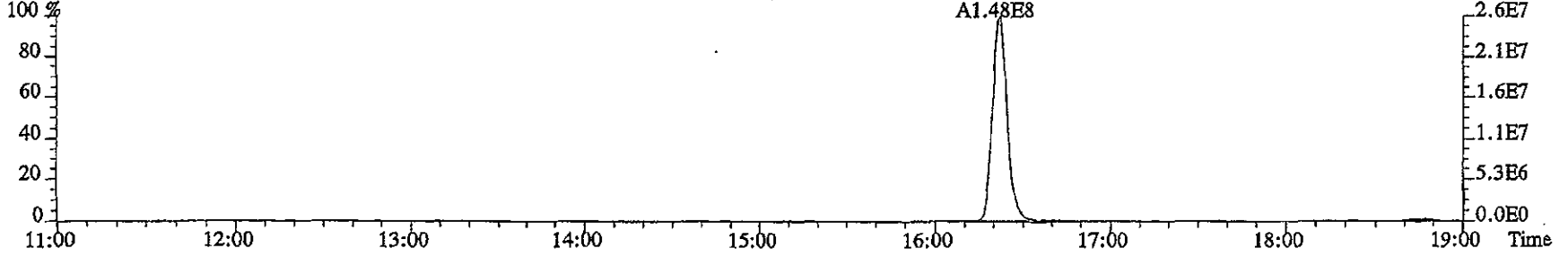
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6308.0,1.00%,F,T)



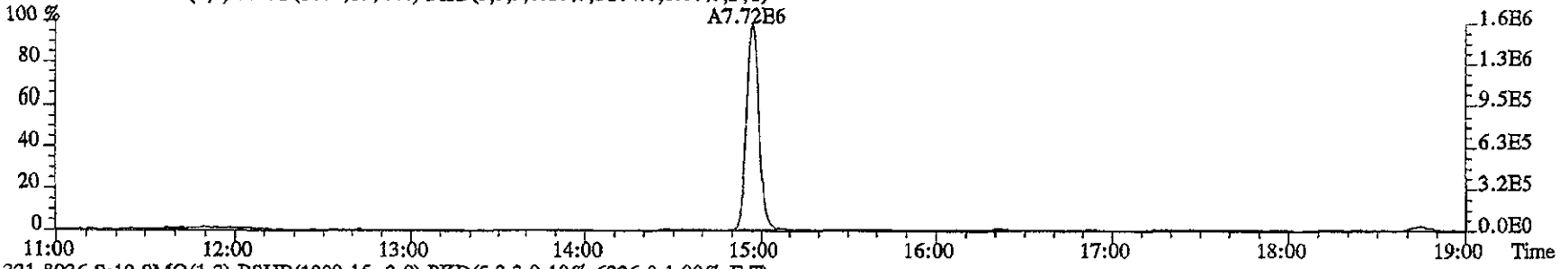
315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20500.0,1.00%,F,T)



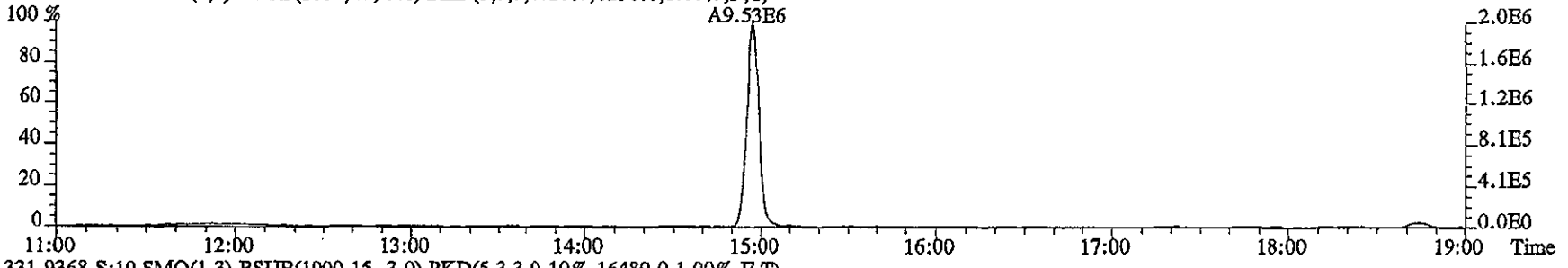
317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24980.0,1.00%,F,T)



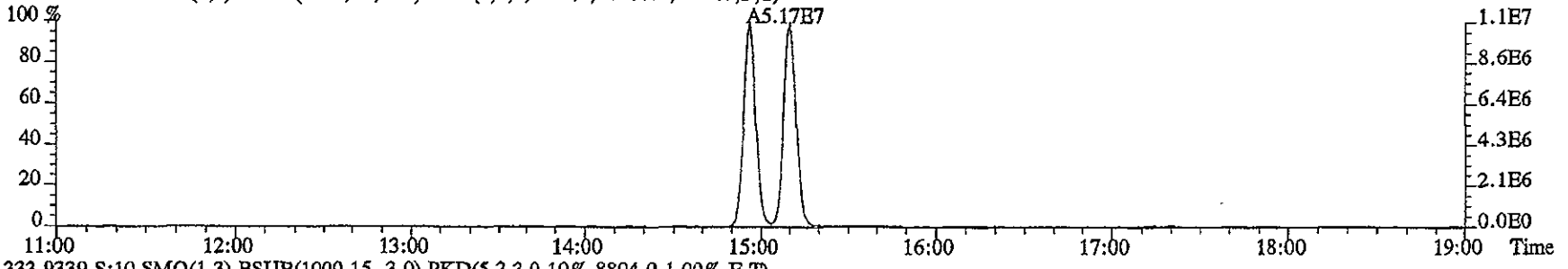
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE
Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5104.0,1.00%,F,T)



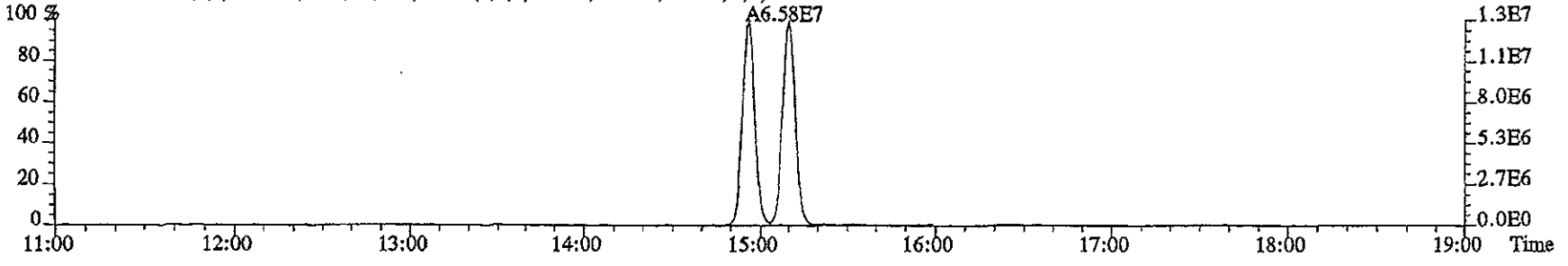
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6236.0,1.00%,F,T)



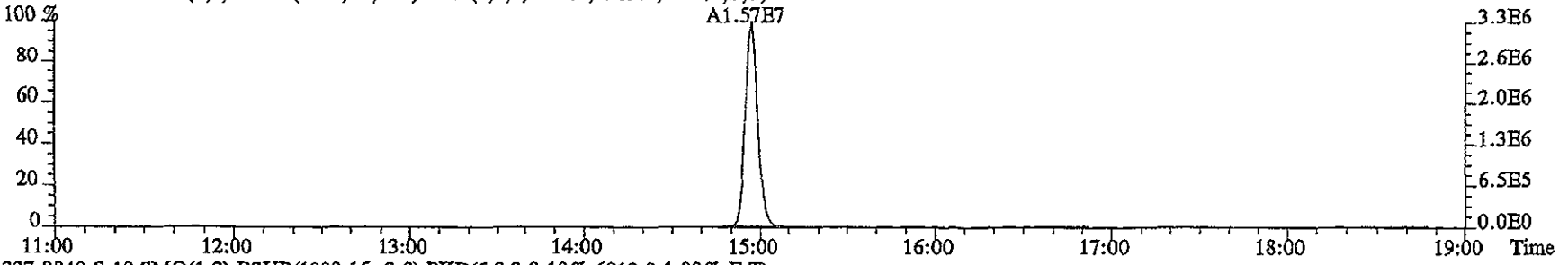
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16480.0,1.00%,F,T)



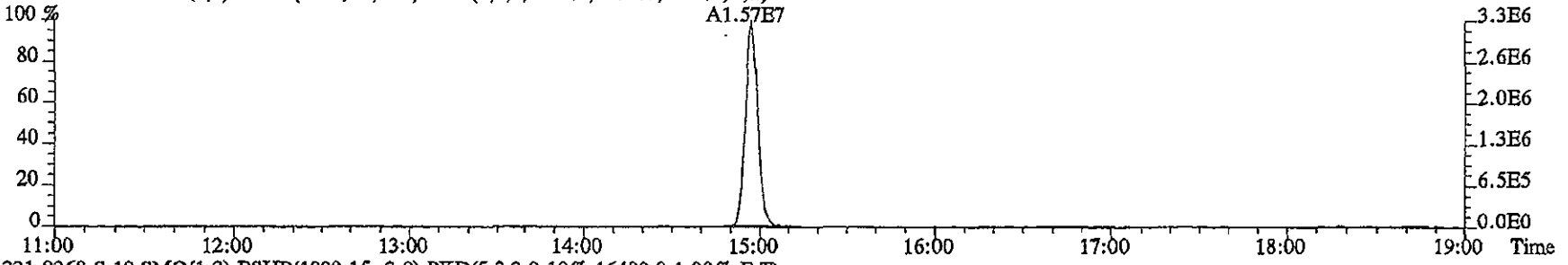
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8804.0,1.00%,F,T)



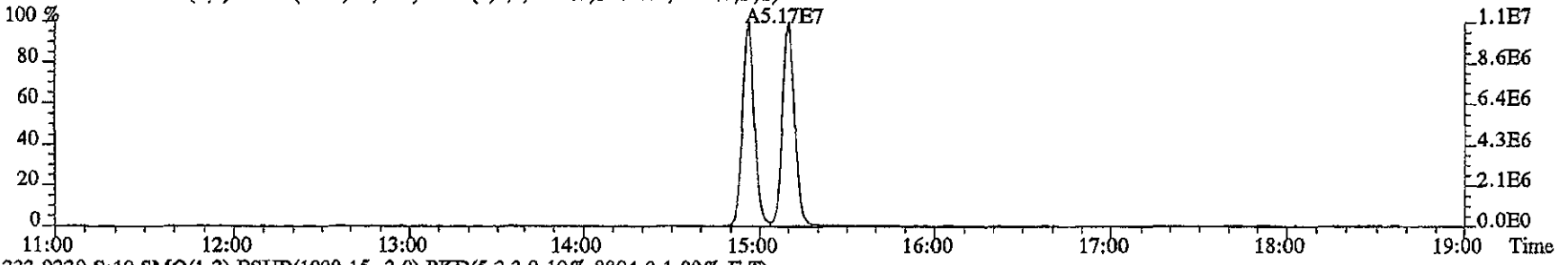
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE
Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6912.0,1.00%,F,T)



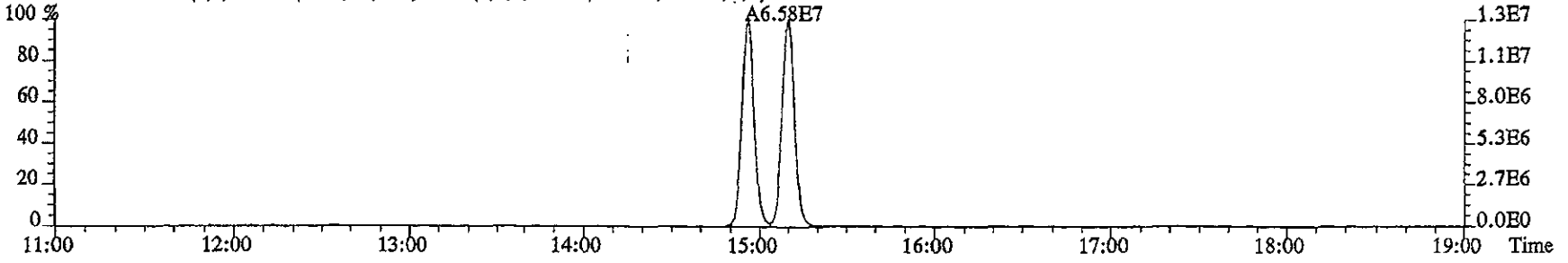
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6912.0,1.00%,F,T)



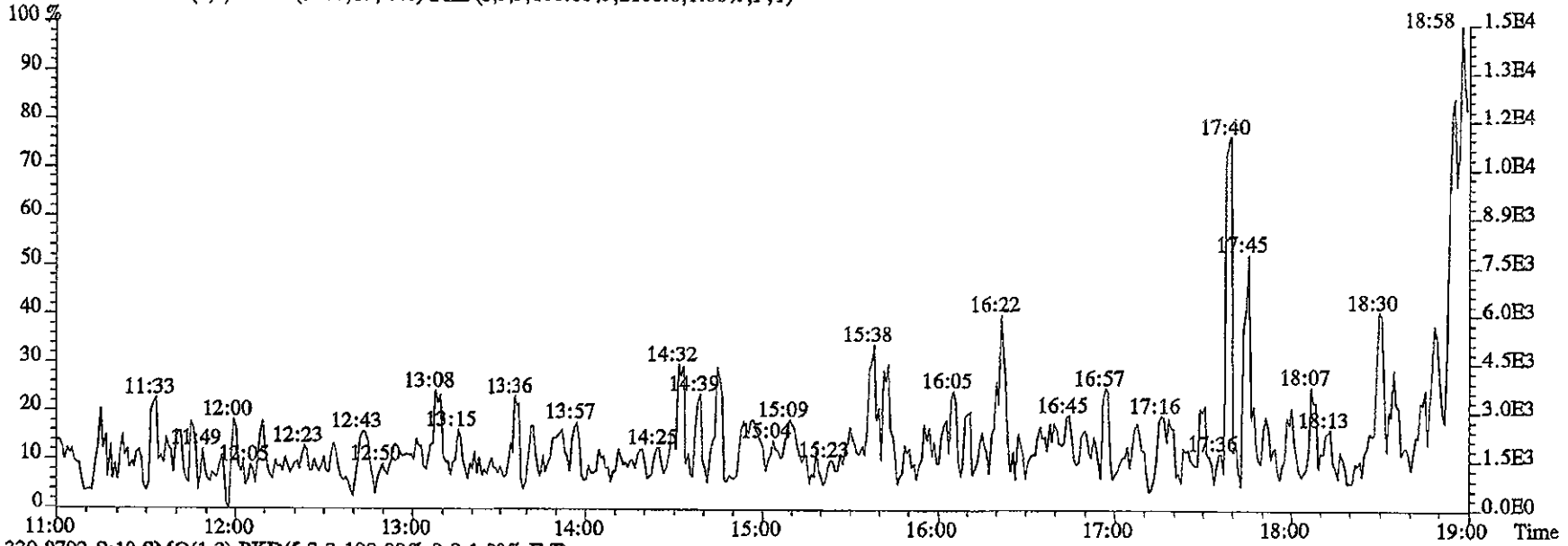
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16480.0,1.00%,F,T)



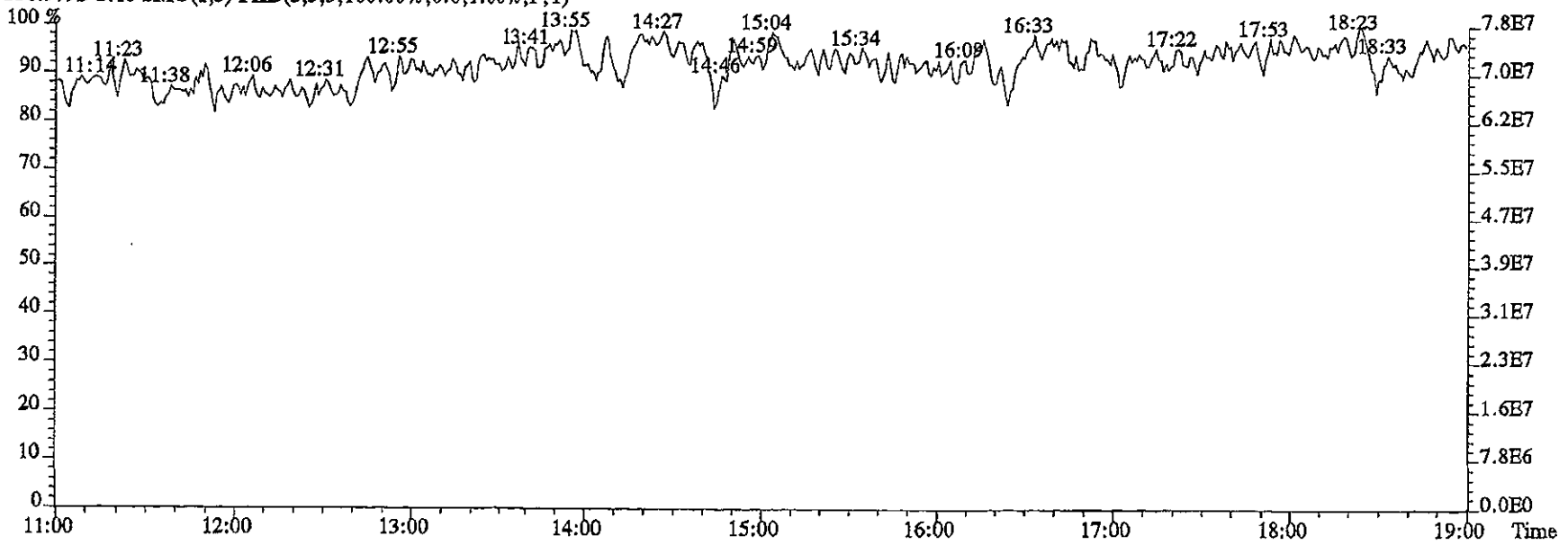
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8804.0,1.00%,F,T)



File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE
Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
375.8364 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2100.0,1.00%,F,T)



330.9792 S:10 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Checklist
HRGCMS/LRGCMS Analyses

Batch #: 0250369 Method ID: Dioxins/Furans, HRGC/HRMS (TO-9)

	DB-5	DB-225
Data Analyst:	0250369 AK	AK
Date initiated:	9/16/10	9/16/10
Reviewer:	MCW	MCW
Date reviewed:	9/16/10	9/16/10

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	✓	✓
-Method Blank present?	✓	✓	NA	NA
-LCS/DCS copy present and meets native recovery criteria?	✓	✓	NA	NA
-Internal standard recoveries within limits?*	✓	✓	✓	✓
-Ion ratios within + 15% of theoretical values?	✓	✓	✓	✓
-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?	NA	✓	NA	NA
-Correct RRF's used for method?	✓	✓	✓	✓
-Internal standard amounts correct for method?	✓	✓	✓	✓
-Target analytes are not saturated?	✓	✓	✓	✓
-Dilution/splitting of extract taken into account?	AK 9/16/10 NA ✓	✓	✓	✓
-Have dilution calculations been verified?	NA	NA	NA	NA
-Has a manual calculation for the sequence(s) been verified?	✓	✓	✓	✓
-Are retention times (RT) correct?	✓	✓	✓	✓
-Manual integrations checked?	✓	✓	NA	NA

Comments: (Use other side if necessary)

* 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.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0230369 Test: To-9

Prep Date: 9/7/10 Holding Times: pb-p/2/10 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: 9/7/10

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

Comments:

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Air Extraction

Batch: 0250369
MS Run #:
Prep Date: 9/7/2010

Box # 33

Shared QC Batch: same
Shares QC With: NA

Internal COC:	
Delivered to Inst.:	9/10/10
Inst Receipt:	

Method: IK TO-9
Matrix: S AIR
Extraction: 11 SOXHLET (NONE,Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: IK - S - 11 - 3W

RUSH

Soxhlet time on: 15:00 9/7/10 Soxhlet time off: 7:00 9/8/10

Prep Reagents

Reagent	Supplier	Lot #
Toluene	Baker	J17N73
Hexane	Baker	V26E34
H2SO4	Baker	NA
20% DCM:Hexane	NA	3630-70C
65% DCM:Hexane	NA	3630-70F
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	[illegible]	4022-61B
Acid Alumina	MPBIO	79
5% Carbon:Silica Gel	NA	NA

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * Sample	Final Volume 20uL	Final Volume Other	Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
G0I040476 - 1		L6K6V1AA	10/1/2010	1	✓		10/22/2010			5
G0I040476 - 2		L6K6W1AA	10/1/2010	1	✓		10/22/2010			7
G0I040476 - 3		L6K6X1AA	10/2/2010	1	✓		10/22/2010			6
G0I040476 - 4		L6K601AA	10/2/2010	1	✓		10/22/2010			5
G0I040476 - 5		L6K611AA	10/2/2010	1	✓	9/10/10	10/22/2010	9/10/10		7
G0I040476 - 6		L6K621AA	10/2/2010	1	✓		10/22/2010			6
G0I070000 - 369	B	L6L6Q1AA	10/1/2010	1	✓		10/22/2010			5
G0I070000 - 369	C	L6L6Q1AC	10/1/2010	1	✓		10/22/2010			7
G0I070000 - 369	L	L6L6Q1AD	10/1/2010	1	✓		10/22/2010			6

RUSH

* See attached sheet for sample volumes recorded from scale

Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	2ML/10DXN425/1613IS/2-4 [illegible] ul	10/31/10	[illegible]	JZ 9/7/10	9/7/10
Spike Mix LCS/LCSD/~~MS/MS~~	100ul/10DXN148/1613 MS/4.40 [illegible] ul	5/26/11	[illegible]	JZ 9/7/10	9/7/10
Pre-Spike Standard MB/~~LCS/LCSD~~	200ul/10DXN424/TO-9 SUR/[illegible] ul	7/19/11	[illegible]	JZ 9/7/10	9/7/10
Recovery Standard All Samples	20.0ul 10DXN225	6/16/11	[illegible]	[illegible]	9/10/10
Soxhlet Extraction Analyst/Date	[illegible] 9/7/10				

1/2 Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
[illegible] 9/10/10	—	[illegible] 9/10/10	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/10/10
Time: 18:32:10

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: 090182 Steve Valmores

Concentrationist: 006625 Elizabeth Nguyen

Reviewer/Date: NGUYENE / 9/10/10

QC BATCH: 0250369

PREP DATE: 9/07/10 15:00
COMP DATE: 9/10/10 13:00

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	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/01/10	9/13/10	G0I040476-001 L6K6V-1-AA	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/1613 IS
COMMENTS:															
10/01/10	9/13/10	G0I040476-002 L6K6W-1-AA	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/1613 IS
COMMENTS:															
10/02/10	9/13/10	G0I040476-003 L6K6X-1-AA	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/1613 IS
COMMENTS:															
10/02/10	9/13/10	G0I040476-004 L6K60-1-AA *	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/1613 IS
COMMENTS:															
10/02/10	9/13/10	G0I040476-005 L6K61-1-AA	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/1613 IS
COMMENTS:															
10/02/10	9/13/10	G0I040476-006 L6K62-1-AA	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/1613 IS
COMMENTS:															
10/01/10	0/00/00	G0I070000-369 L6L6Q-1-AAB		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	200UL/10DXN429/TO-9 SURR 2.0ML/10DXN425/1613 IS
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/10/10
Time: 18:32:10

QC BATCH: 0250369

PREP DATE: 9/07/10 15:00
COMP DATE: 9/10/10 13:00

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
10/01/10	0/00/00	G0I070000-369 **L6L6Q-1-ACC**		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN148/1613 NS 2.0ML/10DXN425/1613 IS
COMMENTS:															
10/01/10	0/00/00	G0I070000-369 **L6L6Q-1-ADL**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN148/1613 NS 2.0ML/10DXN425/1613 IS
COMMENTS:															

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

NUMBER OF WORK ORDERS IN BATCH: 9