TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

September 28, 2010

TestAmerica Project Number: G0I180489
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 18, 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

Table of Contents

TestAmerica West Sacramento Project Number G0I180489

Case Narrative

TestAmerica West Sacramento Project Number G0I180489

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

Sample(s): 4, 5, 6
The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on September 24, 2010.

AIR, TO-13, Semivolatile Organics
Sample(s): 7, 8, 9, 10, 11, 12
On 9/19 the EM voltage of the 8270 acquisition method was raised to 1647v to increase IS responses to within acceptable control limits. The EM voltage of the DFTPP method was mistakenly left at 1600v by the analyst. All samples and QC were run at the same voltage setting. The data was evaluated for impact, and as the batch QC are in control, there is no impact on the data.

The recoveries for the pre-spiked surrogate 1,2-Dichlorobenzene-d4 for G0I180489 7-12 were low and outside criteria. The pre-spiked surrogate was added to the media to monitor the sampling efficiency. This surrogate also added to the method blank (MB) to monitor the extraction efficiency. The surrogate recovery in the (MB) is in control indicating that the extraction and analytical method are in control. The results may be biased low. The matrix effect was confirmed by re-analysis. As these are air samples, re-extraction is not possible.

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 G0I180489

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
L6642	1	UW-09152010B	9/15/2010 03:33 PM	9/18/2010 09:25 AM
L6643	2	DW-09152010B	9/15/2010 03:59 PM	9/18/2010 09:25 AM
L6644	3	UW-09162010B	9/16/2010 02:23 PM	9/18/2010 09:25 AM
L6645	4	DW-09162010B	9/16/2010 02:53 PM	9/18/2010 09:25 AM
L6646	5	UW-09172010B	9/17/2010 02:19 PM	9/18/2010 09:25 AM
L6647	6	DW-09172010B	9/17/2010 02:42 PM	9/18/2010 09:25 AM
L6648	7	UW-09152010B	9/15/2010 03:39 PM	9/18/2010 09:25 AM
L6649	8	DW-09152010B	9/15/2010 03:59 PM	9/18/2010 09:25 AM
L665A	9	UW-09162010B	9/16/2010 02:22 PM	9/18/2010 09:25 AM
L665C	10	DW-09162010B	9/16/2010 02:52 PM	9/18/2010 09:25 AM
L665D	11	UW-09172010B	9/17/2010 02:18 PM	9/18/2010 09:25 AM
L665E	12	DW-09172010B	9/17/2010 02:43 PM	9/18/2010 09:25 AM

Notes(s):

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

northgate
environmental management, inc.
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 # 2027.07.0006
Total # of Samples: 6
Event Complete?

Required Ship to Lab:

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

Required Project Information:

Site ID #:102	TRONOX LLC. HENDERSON
Project #	2027.07
Site Address	560 W Lake Mead Pkwy
City	Henderson
State, Zip	NV, 89015
Site PM Name	Ted Splitter
Phone/Fax:	(510) 435-4609
Site PM Email:	Ted.Splitter@ngem.com

Required Invoice Information:

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

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
	UW-09152010B		AA			9/15/2010	3:33 PM	1	348.92 m^3	X	
	UW-09152010B		AA			9/15/2010	3:39 PM	1	375.28 m^3		X
	DW-09152010B		AA			9/15/2010	3:59 PM	1	357.19 m^3	X	
	DW-09152010B		AA			9/15/2010	3:59 PM	1	369.00 m^3		X
	UW-09162010B		AA			9/16/2010	2:23 PM	1	360.78 m^3	X	
	UW-09162010B		AA			9/16/2010	2:22 PM	1	355.30 m^3		X
	DW-09162010B		AA			9/16/2010	2:53 PM	1	376.20 m^3	X	
	DW-09162010B		AA			9/16/2010	2:52 PM	1	365.61 m^3		X
	UW-09172010B		AA			9/17/2010	2:19 PM	1	403.54 m^3	X	
	UW-09172010B		AA			9/17/2010	2:18 PM	1	398.78 m^3		X
	DW-09172010B		AA			9/17/2010	2:42 PM	1	400.37 m^3	X	
	DW-09172010B		AA			9/17/2010	2:43 PM	1	400.37 m^3		X

Additional Comments/Special Instructions:

[signature] 9/17/10 4PD [signature] [signature] 9-18-10 1135

Sample Receipt Conditions

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

PRINT Name of SAMPLER: Ronda Bailey
SIGNATURE of SAMPLER: [signature]
DATE Signed: 9/17/10
Time: 4:20

TestAmerica

411111 THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT Northgate PM DA LOG # 67062

LOT# (QUANTIMS ID) G0I180489 QUOTE# 84087 LOCATION WJ4D

DATE RECEIVED 9-18-10 TIME RECEIVED 925 Checked (✓)

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) 2027.07.0006 ☒

TEMPERATURE BLANK Observed: NA Corrected: _____

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 4, 5, 6 Average 5 Corrected Average 6

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☒ #5 ☐ ☐ OTHER _____ ☒

AS 9-18-10
Initials Date

---

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A ☐

LABELED BY..... ☐

LABELS CHECKED BY..... ☐

PEER REVIEW _____ ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☐

WETCHEM ☒ N/A ☐

VOA-ENCORES ☒ N/A ☐

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

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

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

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

AS 9-18-10
Initials Date

Notes _____

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

TestAmerica West Sacramento

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0I180489

	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	1	1	1	1	1	1	1	1	1	1	1	1								
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-9, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: UW-09152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 001	**Work Order #....:**	L66421AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	348.92
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	ND		100		0
1,2,3,4,6,7,8-HpCDD	**8.5**	**J B**	**100**	**0.01**	**0.00024**
Total HpCDD	**15**		**100**		
OCDD	**54**	**J B**	**200**	**0.0003**	**0.000046**
2,3,7,8-TCDF	**6.0**	**J B**	**20**	**0.1**	**0.0017**
Total TCDF	**14**		**20**		
1,2,3,7,8-PeCDF	**2.8**	**J Q**	**100**	**0.03**	**0.00024**
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	**9.5**		**100**		
1,2,3,4,7,8-HxCDF	**4.1**	**J**	**100**	**0.1**	**0.0012**
1,2,3,6,7,8-HxCDF	**2.7**	**J Q B**	**100**	**0.1**	**0.00077**
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	**12**		**100**		
1,2,3,4,6,7,8-HpCDF	**12**	**J Q B**	**100**	**0.01**	**0.00034**
1,2,3,4,7,8,9-HpCDF	**2.8**	**J Q**	**100**	**0.01**	**0.000080**
Total HpCDF	**23**		**100**		
OCDF	**24**	**J Q B**	**200**	**0.0003**	**0.000021**
Total TEQ Concentration					**0.0046**

\\qsacsql1\QDSApps\TEQ\WHO_205_TEQ_ND_0)_Air.rpt 9/27/2010

Northgate Environmental Management, Inc.

Sample ID: UW-09152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 001	**Work Order #....:**	L66421AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	348.92
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	104	50 - 120
13C-1,2,3,6,7,8-HxCDD	109	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 120
13C-OCDD	76	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	100	50 - 120
13C-1,2,3,4,7,8-HxCDF	109	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	113	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-09152010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 001	**Work Order #....:**	L66421AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	348.92
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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		0.057	0.0040	pg/m3
Total TCDD	ND		0.057	0.0040	pg/m3
1,2,3,7,8-PeCDD	ND		0.29	0.0057	pg/m3
Total PeCDD	ND		0.29	0.011	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.29	0.0034	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.29	0.0034	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.29	0.0028	pg/m3
Total HxCDD	ND		0.29	0.0034	pg/m3
1,2,3,4,6,7,8-HpCDD	**0.024**	**J B**	**0.29**	**0.0043**	**pg/m3**
Total HpCDD	**0.044**		**0.29**	**0.0043**	**pg/m3**
OCDD	**0.15**	**J B**	**0.57**	**0.0086**	**pg/m3**
2,3,7,8-TCDF	**0.017**	**J B**	**0.057**	**0.0026**	**pg/m3**
Total TCDF	**0.039**		**0.057**	**0.0026**	**pg/m3**
1,2,3,7,8-PeCDF	**0.0079**	**J Q**	**0.29**	**0.0037**	**pg/m3**
2,3,4,7,8-PeCDF	ND		0.29	0.0040	pg/m3
Total PeCDF	**0.027**		**0.29**	**0.0037**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.012**	**J**	**0.29**	**0.0032**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.0077**	**J Q B**	**0.29**	**0.0027**	**pg/m3**
2,3,4,6,7,8-HxCDF	ND		0.29	0.0046	pg/m3
1,2,3,7,8,9-HxCDF	ND		0.29	0.0029	pg/m3
Total HxCDF	**0.034**		**0.29**	**0.0029**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.035**	**J Q B**	**0.29**	**0.0034**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.0080**	**J Q**	**0.29**	**0.0037**	**pg/m3**
Total HpCDF	**0.066**		**0.29**	**0.0034**	**pg/m3**
OCDF	**0.068**	**J Q B**	**0.57**	**0.0066**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	104	50 - 120
13C-1,2,3,6,7,8-HxCDD	109	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 120
13C-OCDD	76	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	100	50 - 120
13C-1,2,3,4,7,8-HxCDF	109	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	113	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-09152010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 001	**Work Order #....:**	L66421AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	348.92
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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-09152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 002	**Work Order #....:**	L66431AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	357.19
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	**2.0**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	**7.1**		**100**		
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	**1.5**	**J Q B**	**100**	**0.1**	**0.00042**
1,2,3,7,8,9-HxCDD	**2.1**	**J**	**100**	**0.1**	**0.00059**
Total HxCDD	**10**		**100**		
1,2,3,4,6,7,8-HpCDD	**11**	**J Q B**	**100**	**0.01**	**0.00031**
Total HpCDD	**15**		**100**		
OCDD	**16**	**J B**	**200**	**0.0003**	**0.000013**
2,3,7,8-TCDF	**16**	**J B**	**20**	**0.1**	**0.0045**
Total TCDF	**72**		**20**		
1,2,3,7,8-PeCDF	**11**	**J**	**100**	**0.03**	**0.00092**
2,3,4,7,8-PeCDF	**5.0**	**J**	**100**	**0.3**	**0.0042**
Total PeCDF	**74**		**100**		
1,2,3,4,7,8-HxCDF	**14**	**J**	**100**	**0.1**	**0.0039**
1,2,3,6,7,8-HxCDF	**14**	**J B**	**100**	**0.1**	**0.0039**
2,3,4,6,7,8-HxCDF	**2.8**	**J B**	**100**	**0.1**	**0.00078**
1,2,3,7,8,9-HxCDF	**1.9**	**J B**	**100**	**0.1**	**0.00053**
Total HxCDF	**86**		**100**		
1,2,3,4,6,7,8-HpCDF	**54**	**Q J B**	**100**	**0.01**	**0.0015**
1,2,3,4,7,8,9-HpCDF	**17**	**J**	**100**	**0.01**	**0.00048**
Total HpCDF	**98**		**100**		
OCDF	**95**	**J B**	**200**	**0.0003**	**0.000080**
Total TEQ Concentration					**0.022**

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Northgate Environmental Management, Inc.

Sample ID: DW-09152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 002	**Work Order #....:**	L66431AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	357.19
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	50 - 120
13C-1,2,3,7,8-PeCDD	93	50 - 120
13C-1,2,3,6,7,8-HxCDD	101	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 120
13C-OCDD	68	40 - 120
13C-2,3,7,8-TCDF	88	50 - 120
13C-1,2,3,7,8-PeCDF	93	50 - 120
13C-1,2,3,4,7,8-HxCDF	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	78	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	110	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-09152010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 002	**Work Order #....:**	L66431AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	357.19
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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		0.056	0.0045	pg/m3
Total TCDD	**0.0056**		**0.056**	**0.0045**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.28	0.0053	pg/m3
Total PeCDD	**0.020**		**0.28**	**0.020**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.28	0.0034	pg/m3
1,2,3,6,7,8-HxCDD	**0.0041**	**J Q B**	**0.28**	**0.0034**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0057**	**J**	**0.28**	**0.0028**	**pg/m3**
Total HxCDD	**0.029**		**0.28**	**0.0031**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.030**	**J Q B**	**0.28**	**0.0039**	**pg/m3**
Total HpCDD	**0.043**		**0.28**	**0.0039**	**pg/m3**
OCDD	**0.045**	**J B**	**0.56**	**0.0045**	**pg/m3**
2,3,7,8-TCDF	**0.045**	**J B**	**0.056**	**0.0031**	**pg/m3**
Total TCDF	**0.20**		**0.056**	**0.0031**	**pg/m3**
1,2,3,7,8-PeCDF	**0.030**	**J**	**0.28**	**0.0042**	**pg/m3**
2,3,4,7,8-PeCDF	**0.014**	**J**	**0.28**	**0.0045**	**pg/m3**
Total PeCDF	**0.21**		**0.28**	**0.0045**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.038**	**J**	**0.28**	**0.0027**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.038**	**J B**	**0.28**	**0.0023**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0078**	**J B**	**0.28**	**0.0025**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0052**	**J B**	**0.28**	**0.0025**	**pg/m3**
Total HxCDF	**0.24**		**0.28**	**0.0025**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.15**	**Q J B**	**0.28**	**0.0053**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.048**	**J**	**0.28**	**0.0062**	**pg/m3**
Total HpCDF	**0.27**		**0.28**	**0.0056**	**pg/m3**
OCDF	**0.27**	**J B**	**0.56**	**0.0064**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	50 - 120
13C-1,2,3,7,8-PeCDD	93	50 - 120
13C-1,2,3,6,7,8-HxCDD	101	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 120
13C-OCDD	68	40 - 120
13C-2,3,7,8-TCDF	88	50 - 120
13C-1,2,3,7,8-PeCDF	93	50 - 120
13C-1,2,3,4,7,8-HxCDF	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	78	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	110	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-09152010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 002	**Work Order #....:**	L66431AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	357.19
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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-09162010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 003	**Work Order #....:**	L66441AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	360.78
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	**1.5**	**J**	**20**	**1.0**	**0.0042**
Total TCDD	**4.3**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	**1.3**	**J Q B**	**100**	**0.1**	**0.00036**
1,2,3,7,8,9-HxCDD	**1.4**	**J**	**100**	**0.1**	**0.00039**
Total HxCDD	**8.7**		**100**		
1,2,3,4,6,7,8-HpCDD	**11**	**J B**	**100**	**0.01**	**0.00030**
Total HpCDD	**18**		**100**		
OCDD	**42**	**J B**	**200**	**0.0003**	**0.000035**
2,3,7,8-TCDF	**14**	**Q J B**	**20**	**0.1**	**0.0039**
Total TCDF	**75**		**20**		
1,2,3,7,8-PeCDF	**10**	**J Q**	**100**	**0.03**	**0.00083**
2,3,4,7,8-PeCDF	**5.6**	**J**	**100**	**0.3**	**0.0047**
Total PeCDF	**71**		**100**		
1,2,3,4,7,8-HxCDF	**13**	**J**	**100**	**0.1**	**0.0036**
1,2,3,6,7,8-HxCDF	**13**	**J B**	**100**	**0.1**	**0.0036**
2,3,4,6,7,8-HxCDF	**3.8**	**J B**	**100**	**0.1**	**0.0011**
1,2,3,7,8,9-HxCDF	**2.6**	**J B**	**100**	**0.1**	**0.00072**
Total HxCDF	**87**		**100**		
1,2,3,4,6,7,8-HpCDF	**56**	**J B**	**100**	**0.01**	**0.0016**
1,2,3,4,7,8,9-HpCDF	**20**	**J**	**100**	**0.01**	**0.00055**
Total HpCDF	**110**		**100**		
OCDF	**110**	**J B**	**200**	**0.0003**	**0.000091**
Total TEQ Concentration					**0.026**

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Northgate Environmental Management, Inc.

Sample ID: UW-09162010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 003	**Work Order #....:**	L66441AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	360.78
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	91	50 - 120
13C-1,2,3,7,8-PeCDD	98	50 - 120
13C-1,2,3,6,7,8-HxCDD	105	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	84	40 - 120
13C-OCDD	76	40 - 120
13C-2,3,7,8-TCDF	93	50 - 120
13C-1,2,3,7,8-PeCDF	99	50 - 120
13C-1,2,3,4,7,8-HxCDF	109	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	87	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	114	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).

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Northgate Environmental Management, Inc.

Sample ID: UW-09162010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 003	**Work Order #....:**	L66441AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	360.78
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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	**0.0043**	**J**	**0.055**	**0.0030**	**pg/m3**
Total TCDD	**0.012**		**0.055**	**0.0030**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.28	0.0042	pg/m3
Total PeCDD	ND		0.28	0.016	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.28	0.0033	pg/m3
1,2,3,6,7,8-HxCDD	**0.0035**	**J Q B**	**0.28**	**0.0033**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0039**	**J**	**0.28**	**0.0027**	**pg/m3**
Total HxCDD	**0.024**		**0.28**	**0.0030**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.031**	**J B**	**0.28**	**0.0039**	**pg/m3**
Total HpCDD	**0.049**		**0.28**	**0.0039**	**pg/m3**
OCDD	**0.12**	**J B**	**0.55**	**0.0053**	**pg/m3**
2,3,7,8-TCDF	**0.039**	**Q J B**	**0.055**	**0.0021**	**pg/m3**
Total TCDF	**0.21**		**0.055**	**0.0021**	**pg/m3**
1,2,3,7,8-PeCDF	**0.028**	**J Q**	**0.28**	**0.0033**	**pg/m3**
2,3,4,7,8-PeCDF	**0.015**	**J**	**0.28**	**0.0036**	**pg/m3**
Total PeCDF	**0.20**		**0.28**	**0.0036**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.036**	**J**	**0.28**	**0.0030**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.036**	**J B**	**0.28**	**0.0024**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.011**	**J B**	**0.28**	**0.0026**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0072**	**J B**	**0.28**	**0.0027**	**pg/m3**
Total HxCDF	**0.24**		**0.28**	**0.0026**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.16**	**J B**	**0.28**	**0.0058**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.056**	**J**	**0.28**	**0.0067**	**pg/m3**
Total HpCDF	**0.30**		**0.28**	**0.0061**	**pg/m3**
OCDF	**0.31**	**J B**	**0.55**	**0.0053**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	91	50 - 120
13C-1,2,3,7,8-PeCDD	98	50 - 120
13C-1,2,3,6,7,8-HxCDD	105	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	84	40 - 120
13C-OCDD	76	40 - 120
13C-2,3,7,8-TCDF	93	50 - 120
13C-1,2,3,7,8-PeCDF	99	50 - 120
13C-1,2,3,4,7,8-HxCDF	109	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	87	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	114	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-09162010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 003	**Work Order #....:**	L66441AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	360.78
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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-09162010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 004	**Work Order #....:**	L66451AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	376.2
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	**6.2**		**20**		
1,2,3,7,8-PeCDD	**1.8**	**J Q**	**100**	**1.0**	**0.0048**
Total PeCDD	**11**		**100**		
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	**1.8**	**J Q B**	**100**	**0.1**	**0.00048**
1,2,3,7,8,9-HxCDD	**2.7**	**J**	**100**	**0.1**	**0.00072**
Total HxCDD	**17**		**100**		
1,2,3,4,6,7,8-HpCDD	**15**	**J B**	**100**	**0.01**	**0.00040**
Total HpCDD	**21**		**100**		
OCDD	**20**	**J B**	**200**	**0.0003**	**0.000016**
2,3,7,8-TCDF	**16**	**CON J B**	**20**	**0.1**	**0.0043**
Total TCDF	**150**		**20**		
1,2,3,7,8-PeCDF	**26**	**J**	**100**	**0.03**	**0.0021**
2,3,4,7,8-PeCDF	**12**	**J**	**100**	**0.3**	**0.0096**
Total PeCDF	**160**		**100**		
1,2,3,4,7,8-HxCDF	**36**	**J**	**100**	**0.1**	**0.0096**
1,2,3,6,7,8-HxCDF	**32**	**J B**	**100**	**0.1**	**0.0085**
2,3,4,6,7,8-HxCDF	**5.6**	**J B**	**100**	**0.1**	**0.0015**
1,2,3,7,8,9-HxCDF	**4.3**	**J B**	**100**	**0.1**	**0.0011**
Total HxCDF	**220**		**100**		
1,2,3,4,6,7,8-HpCDF	**140**	**B**	**100**	**0.01**	**0.0037**
1,2,3,4,7,8,9-HpCDF	**41**	**J**	**100**	**0.01**	**0.0011**
Total HpCDF	**250**		**100**		
OCDF	**260**	**B**	**200**	**0.0003**	**0.00021**
Total TEQ Concentration					**0.048**

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Northgate Environmental Management, Inc.

Sample ID: DW-09162010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 004	**Work Order #....:**	L66451AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	376.2
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	96	50 - 120
13C-1,2,3,7,8-PeCDD	104	50 - 120
13C-1,2,3,6,7,8-HxCDD	110	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 120
13C-OCDD	81	40 - 120
13C-2,3,7,8-TCDF	96	50 - 120
13C-1,2,3,7,8-PeCDF	101	50 - 120
13C-1,2,3,4,7,8-HxCDF	111	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	113	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.
CON	Confirmation analysis.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-09162010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 004	**Work Order #....:**	L66451AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	376.2
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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	0.0058	pg/m3
Total TCDD	**0.017**		**0.053**	**0.0035**	**pg/m3**
1,2,3,7,8-PeCDD	**0.0048**	**J Q**	**0.27**	**0.0043**	**pg/m3**
Total PeCDD	**0.029**		**0.27**	**0.0043**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.27	0.0035	pg/m3
1,2,3,6,7,8-HxCDD	**0.0049**	**J Q B**	**0.27**	**0.0035**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0072**	**J**	**0.27**	**0.0029**	**pg/m3**
Total HxCDD	**0.046**		**0.27**	**0.0032**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.039**	**J B**	**0.27**	**0.0035**	**pg/m3**
Total HpCDD	**0.057**		**0.27**	**0.0035**	**pg/m3**
OCDD	**0.054**	**J B**	**0.53**	**0.0064**	**pg/m3**
2,3,7,8-TCDF	**0.043**	**CON J B**	**0.053**	**0.012**	**pg/m3**
Total TCDF	**0.40**		**0.053**	**0.0021**	**pg/m3**
1,2,3,7,8-PeCDF	**0.069**	**J**	**0.27**	**0.0037**	**pg/m3**
2,3,4,7,8-PeCDF	**0.033**	**J**	**0.27**	**0.0040**	**pg/m3**
Total PeCDF	**0.43**		**0.27**	**0.0040**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.096**	**J**	**0.27**	**0.0029**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.085**	**J B**	**0.27**	**0.0025**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.015**	**J B**	**0.27**	**0.0027**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.011**	**J B**	**0.27**	**0.0027**	**pg/m3**
Total HxCDF	**0.58**		**0.27**	**0.0027**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.37**	**B**	**0.27**	**0.0040**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.11**	**J**	**0.27**	**0.0048**	**pg/m3**
Total HpCDF	**0.67**		**0.27**	**0.0043**	**pg/m3**
OCDF	**0.69**	**B**	**0.53**	**0.0053**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	96	50 - 120
13C-1,2,3,7,8-PeCDD	104	50 - 120
13C-1,2,3,6,7,8-HxCDD	110	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 120
13C-OCDD	81	40 - 120
13C-2,3,7,8-TCDF	96	50 - 120
13C-1,2,3,7,8-PeCDF	101	50 - 120
13C-1,2,3,4,7,8-HxCDF	111	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	113	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-09162010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 004	**Work Order #....:**	L66451AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	376.2
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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.
CON	Confirmation analysis.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: UW-09172010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 005	**Work Order #....:**	L66461AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	403.54
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	**5.1**		**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	**2.5**	**J B**	**100**	**0.1**	**0.00062**
1,2,3,7,8,9-HxCDD	**2.0**	**J Q**	**100**	**0.1**	**0.00050**
Total HxCDD	**17**		**100**		
1,2,3,4,6,7,8-HpCDD	**16**	**J B**	**100**	**0.01**	**0.00040**
Total HpCDD	**26**		**100**		
OCDD	**25**	**J B**	**200**	**0.0003**	**0.000019**
2,3,7,8-TCDF	**19**	**J CON B**	**20**	**0.1**	**0.0047**
Total TCDF	**180**		**20**		
1,2,3,7,8-PeCDF	**24**	**J**	**100**	**0.03**	**0.0018**
2,3,4,7,8-PeCDF	**14**	**J**	**100**	**0.3**	**0.010**
Total PeCDF	**180**		**100**		
1,2,3,4,7,8-HxCDF	**40**	**J**	**100**	**0.1**	**0.0099**
1,2,3,6,7,8-HxCDF	**31**	**J B**	**100**	**0.1**	**0.0077**
2,3,4,6,7,8-HxCDF	**7.4**	**J B**	**100**	**0.1**	**0.0018**
1,2,3,7,8,9-HxCDF	**6.1**	**J B**	**100**	**0.1**	**0.0015**
Total HxCDF	**230**		**100**		
1,2,3,4,6,7,8-HpCDF	**150**	**B**	**100**	**0.01**	**0.0037**
1,2,3,4,7,8,9-HpCDF	**46**	**J**	**100**	**0.01**	**0.0011**
Total HpCDF	**270**		**100**		
OCDF	**310**	**B**	**200**	**0.0003**	**0.00023**
Total TEQ Concentration					**0.044**

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Northgate Environmental Management, Inc.

Sample ID: UW-09172010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 005	**Work Order #....:**	L66461AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	403.54
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	104	50 - 120
13C-1,2,3,6,7,8-HxCDD	106	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 120
13C-OCDD	83	40 - 120
13C-2,3,7,8-TCDF	87	50 - 120
13C-1,2,3,7,8-PeCDF	100	50 - 120
13C-1,2,3,4,7,8-HxCDF	106	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	110	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.
CON	Confirmation analysis.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: UW-09172010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 005	**Work Order #....:**	L66461AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	403.54
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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		0.050	0.0052	pg/m3
Total TCDD	**0.013**		**0.050**	**0.0032**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.25	0.0057	pg/m3
Total PeCDD	**0.032**		**0.25**	**0.0057**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.25	0.0030	pg/m3
1,2,3,6,7,8-HxCDD	**0.0063**	**J B**	**0.25**	**0.0030**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0051**	**J Q**	**0.25**	**0.0025**	**pg/m3**
Total HxCDD	**0.041**		**0.25**	**0.0027**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.040**	**J B**	**0.25**	**0.0040**	**pg/m3**
Total HpCDD	**0.065**		**0.25**	**0.0040**	**pg/m3**
OCDD	**0.062**	**J B**	**0.50**	**0.0052**	**pg/m3**
2,3,7,8-TCDF	**0.047**	**J CON B**	**0.050**	**0.010**	**pg/m3**
Total TCDF	**0.46**		**0.050**	**0.0025**	**pg/m3**
1,2,3,7,8-PeCDF	**0.060**	**J**	**0.25**	**0.0057**	**pg/m3**
2,3,4,7,8-PeCDF	**0.034**	**J**	**0.25**	**0.0062**	**pg/m3**
Total PeCDF	**0.44**		**0.25**	**0.0059**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.098**	**J**	**0.25**	**0.0040**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.077**	**J B**	**0.25**	**0.0032**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.018**	**J B**	**0.25**	**0.0037**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.015**	**J B**	**0.25**	**0.0037**	**pg/m3**
Total HxCDF	**0.56**		**0.25**	**0.0037**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.37**	**B**	**0.25**	**0.0052**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.11**	**J**	**0.25**	**0.0059**	**pg/m3**
Total HpCDF	**0.67**		**0.25**	**0.0057**	**pg/m3**
OCDF	**0.76**	**B**	**0.50**	**0.0059**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	50 - 120
13C-1,2,3,7,8-PeCDD	104	50 - 120
13C-1,2,3,6,7,8-HxCDD	106	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 120
13C-OCDD	83	40 - 120
13C-2,3,7,8-TCDF	87	50 - 120
13C-1,2,3,7,8-PeCDF	100	50 - 120
13C-1,2,3,4,7,8-HxCDF	106	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	110	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-09172010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 005	**Work Order #....:**	L66461AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	403.54
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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.
CON	Confirmation analysis.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-09172010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 006	**Work Order #....:**	L66471AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	400.37
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	1.9	J Q	20	1.0	0.0047
Total TCDD	23		20		
1,2,3,7,8-PeCDD	2.3	J	100	1.0	0.0057
Total PeCDD	21		100		
1,2,3,4,7,8-HxCDD	1.4	J	100	0.1	0.00035
1,2,3,6,7,8-HxCDD	2.9	J Q B	100	0.1	0.00072
1,2,3,7,8,9-HxCDD	3.6	J	100	0.1	0.00090
Total HxCDD	26		100		
1,2,3,4,6,7,8-HpCDD	18	J Q B	100	0.01	0.00045
Total HpCDD	28		100		
OCDD	26	J B	200	0.0003	0.000019
2,3,7,8-TCDF	24	CON B	20	0.1	0.0060
Total TCDF	310		20		
1,2,3,7,8-PeCDF	37	J	100	0.03	0.0028
2,3,4,7,8-PeCDF	19	J	100	0.3	0.014
Total PeCDF	270		100		
1,2,3,4,7,8-HxCDF	58	J	100	0.1	0.014
1,2,3,6,7,8-HxCDF	43	J B	100	0.1	0.011
2,3,4,6,7,8-HxCDF	11	J B	100	0.1	0.0027
1,2,3,7,8,9-HxCDF	7.2	J B	100	0.1	0.0018
Total HxCDF	300		100		
1,2,3,4,6,7,8-HpCDF	190	B	100	0.01	0.0047
1,2,3,4,7,8,9-HpCDF	63	J	100	0.01	0.0016
Total HpCDF	360		100		
OCDF	410	B	200	0.0003	0.00031
Total TEQ Concentration					0.072

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Northgate Environmental Management, Inc.

Sample ID: DW-09172010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0I180489 - 006	**Work Order #....:**	L66471AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Instrument ID....:**	1D5
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	400.37
Prep Batch # ....:	0263335	**Dilution Factor....:**	2	**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	105	50 - 120
13C-1,2,3,6,7,8-HxCDD	103	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	81	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	99	50 - 120
13C-1,2,3,4,7,8-HxCDF	104	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	112	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.
CON	Confirmation analysis.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-09172010B

Trace Level Compounds

Lot - Sample #....:	G01180489 - 006	**Work Order #....:**	L66471AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	400.37
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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	0.0047	J Q	0.050	0.0030	pg/m3
Total TCDD	0.058		0.050	0.0030	pg/m3
1,2,3,7,8-PeCDD	0.0059	J	0.25	0.0050	pg/m3
Total PeCDD	0.051		0.25	0.0050	pg/m3
1,2,3,4,7,8-HxCDD	0.0034	J	0.25	0.0021	pg/m3
1,2,3,6,7,8-HxCDD	0.0071	J Q B	0.25	0.0021	pg/m3
1,2,3,7,8,9-HxCDD	0.0090	J	0.25	0.0017	pg/m3
Total HxCDD	0.066		0.25	0.0019	pg/m3
1,2,3,4,6,7,8-HpCDD	0.045	J Q B	0.25	0.0030	pg/m3
Total HpCDD	0.069		0.25	0.0030	pg/m3
OCDD	0.065	J B	0.50	0.0052	pg/m3
2,3,7,8-TCDF	0.060	CON B	0.050	0.010	pg/m3
Total TCDF	0.77		0.050	0.0021	pg/m3
1,2,3,7,8-PeCDF	0.094	J	0.25	0.0047	pg/m3
2,3,4,7,8-PeCDF	0.048	J	0.25	0.0052	pg/m3
Total PeCDF	0.68		0.25	0.0050	pg/m3
1,2,3,4,7,8-HxCDF	0.15	J	0.25	0.0040	pg/m3
1,2,3,6,7,8-HxCDF	0.11	J B	0.25	0.0032	pg/m3
2,3,4,6,7,8-HxCDF	0.027	J B	0.25	0.0035	pg/m3
1,2,3,7,8,9-HxCDF	0.018	J B	0.25	0.0037	pg/m3
Total HxCDF	0.75		0.25	0.0035	pg/m3
1,2,3,4,6,7,8-HpCDF	0.49	B	0.25	0.0035	pg/m3
1,2,3,4,7,8,9-HpCDF	0.16	J	0.25	0.0040	pg/m3
Total HpCDF	0.90		0.25	0.0037	pg/m3
OCDF	1.0	B	0.50	0.0055	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	105	50 - 120
13C-1,2,3,6,7,8-HxCDD	103	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	81	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	99	50 - 120
13C-1,2,3,4,7,8-HxCDF	104	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	112	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-09172010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 006	**Work Order #....:**	L66471AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	400.37
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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.
CON	Confirmation analysis.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

QC DATA ASSOCIATION SUMMARY

G0I180489

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-9		0263335	
002	AA	EPA-2 TO-9		0263335	
003	AA	EPA-2 TO-9		0263335	
004	AA	EPA-2 TO-9		0263335	
005	AA	EPA-2 TO-9		0263335	
006	AA	EPA-2 TO-9		0263335	
007	AA	EPA-2 TO-13		0263337	
008	AA	EPA-2 TO-13		0263337	
009	AA	EPA-2 TO-13		0263337	
010	AA	EPA-2 TO-13		0263337	
011	AA	EPA-2 TO-13		0263337	
012	AA	EPA-2 TO-13		0263337	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0I200000 - 335B	**Work Order #....:**	L674R1AA	**Matrix....:**	AIR
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	0
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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	0.85	pg
Total TCDD	ND		20	0.85	pg
1,2,3,7,8-PeCDD	ND		100	1.5	pg
Total PeCDD	ND		100	7.2	pg
1,2,3,4,7,8-HxCDD	ND		100	0.97	pg
1,2,3,6,7,8-HxCDD	**1.1**	**J Q**	**100**	**0.95**	**pg**
1,2,3,7,8,9-HxCDD	ND		100	0.80	pg
Total HxCDD	**3.6**		**100**	**0.90**	**pg**
1,2,3,4,6,7,8-HpCDD	**7.7**	**J**	**100**	**1.4**	**pg**
Total HpCDD	**10**		**100**	**1.4**	**pg**
OCDD	**9.7**	**J Q**	**200**	**2.5**	**pg**
2,3,7,8-TCDF	**1.1**	**J Q**	**20**	**0.59**	**pg**
Total TCDF	**1.1**		**20**	**0.59**	**pg**
1,2,3,7,8-PeCDF	ND		100	1.0	pg
2,3,4,7,8-PeCDF	ND		100	1.1	pg
Total PeCDF	**3.9**		**100**	**1.1**	**pg**
1,2,3,4,7,8-HxCDF	ND		100	0.88	pg
1,2,3,6,7,8-HxCDF	**1.3**	**J**	**100**	**0.72**	**pg**
2,3,4,6,7,8-HxCDF	**0.82**	**J Q**	**100**	**0.79**	**pg**
1,2,3,7,8,9-HxCDF	**1.3**	**J Q**	**100**	**0.79**	**pg**
Total HxCDF	**3.4**		**100**	**0.79**	**pg**
1,2,3,4,6,7,8-HpCDF	**2.0**	**J Q**	**100**	**1.3**	**pg**
1,2,3,4,7,8,9-HpCDF	ND		100	1.5	pg
Total HpCDF	**2.0**		**100**	**1.4**	**pg**
OCDF	**2.5**	**J Q**	**200**	**1.7**	**pg**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	50 - 120
13C-1,2,3,7,8-PeCDD	108	50 - 120
13C-1,2,3,6,7,8-HxCDD	107	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 120
13C-OCDD	79	40 - 120
13C-2,3,7,8-TCDF	98	50 - 120
13C-1,2,3,7,8-PeCDF	101	50 - 120
13C-1,2,3,4,7,8-HxCDF	109	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	88	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	113	50 - 120

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0I200000 - 335B	**Work Order #....:**	L674R1AA	**Matrix....:**	AIR
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	2
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	0
Prep Batch # ....:	0263335	**Instrument ID....:**	1D5	**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 # ...:	G0I180489	**Work Order # ...:**	L674R1AC-LCS L674R1AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0I200000 - 335				
Prep Date .....:	09/20/10	**Analysis Date ..:**	09/23/10		
Prep Batch # ...:	0263335				
Dilution Factor :	2				
Analyst ID.....:	Alora Kuczynski	**Instrument ID..:**	1D5	**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**	**410**	**pg**	**103**	**(70 - 130)**		
	400	**438**	**pg**	**109**	**(70 - 130)**	**6.5**	**(0 - 30)**
1,2,3,7,8-PeCDD	**2000**	**2070**	**pg**	**103**	**(70 - 130)**		
	2000	**2110**	**pg**	**105**	**(70 - 130)**	**1.9**	**(0 - 30)**
1,2,3,4,7,8-HxCDD	**2000**	**2180**	**pg**	**109**	**(70 - 130)**		
	2000	**2230**	**pg**	**112**	**(70 - 130)**	**2.5**	**(0 - 30)**
1,2,3,6,7,8-HxCDD	**2000**	**2290**	**pg**	**114**	**(70 - 130)**		
	2000	**2480**	**pg**	**124**	**(70 - 130)**	**8.0**	**(0 - 30)**
1,2,3,7,8,9-HxCDD	**2000**	**2070**	**pg**	**103**	**(70 - 130)**		
	2000	**2080**	**pg**	**104**	**(70 - 130)**	**0.82**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDD	**2000**	**2160**	**pg**	**108**	**(70 - 130)**		
	2000	**2210**	**pg**	**111**	**(70 - 130)**	**2.7**	**(0 - 30)**
OCDD	**4000**	**3990**	**pg**	**100**	**(70 - 130)**		
	4000	**4110**	**pg**	**103**	**(70 - 130)**	**2.8**	**(0 - 30)**
2,3,7,8-TCDF	**400**	**436**	**pg**	**109**	**(70 - 130)**		
	400	**436**	**pg**	**109**	**(70 - 130)**	**0.080**	**(0 - 30)**
1,2,3,7,8-PeCDF	**2000**	**2200**	**pg**	**110**	**(70 - 130)**		
	2000	**2320**	**pg**	**116**	**(70 - 130)**	**5.5**	**(0 - 30)**
2,3,4,7,8-PeCDF	**2000**	**2200**	**pg**	**110**	**(70 - 130)**		
	2000	**2350**	**pg**	**118**	**(70 - 130)**	**6.7**	**(0 - 30)**
1,2,3,4,7,8-HxCDF	**2000**	**2240**	**pg**	**112**	**(70 - 130)**		
	2000	**2340**	**pg**	**117**	**(70 - 130)**	**4.0**	**(0 - 30)**
1,2,3,6,7,8-HxCDF	**2000**	**2010**	**pg**	**100**	**(70 - 130)**		
	2000	**2110**	**pg**	**105**	**(70 - 130)**	**4.9**	**(0 - 30)**
2,3,4,6,7,8-HxCDF	**2000**	**2080**	**pg**	**104**	**(70 - 130)**		
	2000	**2090**	**pg**	**104**	**(70 - 130)**	**0.36**	**(0 - 30)**
1,2,3,7,8,9-HxCDF	**2000**	**1890**	**pg**	**94**	**(70 - 130)**		
	2000	**1900**	**pg**	**95**	**(70 - 130)**	**0.59**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDF	**2000**	**2210**	**pg**	**111**	**(70 - 130)**		
	2000	**2300**	**pg**	**115**	**(70 - 130)**	**3.7**	**(0 - 30)**
1,2,3,4,7,8,9-HpCDF	**2000**	**2010**	**pg**	**101**	**(70 - 130)**		
	2000	**2030**	**pg**	**101**	**(70 - 130)**	**0.80**	**(0 - 30)**
OCDF	**4000**	**3790**	**pg**	**95**	**(70 - 130)**		
	4000	**3960**	**pg**	**99**	**(70 - 130)**	**4.4**	**(0 - 30)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	94	(50 - 120)
	89	(50 - 120)
13C-1,2,3,7,8-PeCDD	108	(50 - 120)
	107	(50 - 120)
13C-1,2,3,6,7,8-HxCDD	102	(50 - 120)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0I180489 **Work Order # ...:** L674R1AC-LCS **Matrix .....:** AIR
LCS Lot-Sample# : G0I200000 - 335 L674R1AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
	98	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 120)
	82	(40 - 120)
13C-OCDD	77	(40 - 120)
	74	(40 - 120)
13C-2,3,7,8-TCDF	93	(50 - 120)
	92	(50 - 120)
13C-1,2,3,7,8-PeCDF	104	(50 - 120)
	99	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	112	(50 - 120)
	108	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 120)
	88	(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

Northgate Environmental Management, Inc.

Sample ID: UW-09152010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 007	**Work Order #....:**	L66481AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	1
Prep Date....:	09/20/10	**Analysis Date....:**	09/23/10	**Volume....:**	375.28
Prep Batch # ....:	0263337	**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	42	*	60 - 120
2-Fluorobiphenyl	70		58 - 105
2-Fluorophenol	58		41 - 105
Nitrobenzene-d5	62		46 - 118
Phenol-d5	68		43 - 122
Terphenyl-d14	84		69 - 110
2,4,6-Tribromophenol	106		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-09152010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 008	**Work Order #....:**	L66491AA	**Matrix....:**	AA
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	1
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	369
Prep Batch # ....:	0263337	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

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

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	39	*	60 - 120
2-Fluorobiphenyl	81		58 - 105
2-Fluorophenol	63		41 - 105
Nitrobenzene-d5	70		46 - 118
Phenol-d5	76		43 - 122
Terphenyl-d14	91		69 - 110
2,4,6-Tribromophenol	102		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: UW-09162010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 009	**Work Order #....:**	L665A1AA	**Matrix....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	1
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	355.3
Prep Batch # ....:	0263337	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.028	0.0037	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	45	*	60 - 120
2-Fluorobiphenyl	76		58 - 105
2-Fluorophenol	60		41 - 105
Nitrobenzene-d5	65		46 - 118
Phenol-d5	69		43 - 122
Terphenyl-d14	92		69 - 110
2,4,6-Tribromophenol	107		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-09162010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 010	**Work Order #....:**	L665C1AA	**Matrix.....:**	AA
Date Sampled....:	09/16/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	1
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	365.61
Prep Batch # ....:	0263337	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.027	0.0036	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	43	*	60 - 120
2-Fluorobiphenyl	70		58 - 105
2-Fluorophenol	56		41 - 105
Nitrobenzene-d5	62		46 - 118
Phenol-d5	63		43 - 122
Terphenyl-d14	90		69 - 110
2,4,6-Tribromophenol	104		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: UW-09172010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 011	**Work Order #....:**	L665D1AA	**Matrix....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	1
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	398.78
Prep Batch # ....:	0263337	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

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

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	45	*	60 - 120
2-Fluorobiphenyl	69		58 - 105
2-Fluorophenol	52		41 - 105
Nitrobenzene-d5	55		46 - 118
Phenol-d5	61		43 - 122
Terphenyl-d14	86		69 - 110
2,4,6-Tribromophenol	103		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-09172010B

Trace Level Compounds

Lot - Sample #....:	G0I180489 - 012	**Work Order #....:**	L665E1AA	**Matrix.....:**	AA
Date Sampled....:	09/17/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	1
Prep Date....:	09/20/10	**Analysis Date....:**	09/24/10	**Volume....:**	400.37
Prep Batch # ....:	0263337	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	**0.0042**	**J**	**0.025**	**0.0032**	**ug/m3**

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	45	*	60 - 120
2-Fluorobiphenyl	75		58 - 105
2-Fluorophenol	54		41 - 105
Nitrobenzene-d5	63		46 - 118
Phenol-d5	66		43 - 122
Terphenyl-d14	90		69 - 110
2,4,6-Tribromophenol	95		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

J Estimated Result.

QC DATA ASSOCIATION SUMMARY

G0I180489

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-9		0263335	
002	AA	EPA-2 TO-9		0263335	
003	AA	EPA-2 TO-9		0263335	
004	AA	EPA-2 TO-9		0263335	
005	AA	EPA-2 TO-9		0263335	
006	AA	EPA-2 TO-9		0263335	
007	AA	EPA-2 TO-13		0263337	
008	AA	EPA-2 TO-13		0263337	
009	AA	EPA-2 TO-13		0263337	
010	AA	EPA-2 TO-13		0263337	
011	AA	EPA-2 TO-13		0263337	
012	AA	EPA-2 TO-13		0263337	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0I200000 - 337B	**Work Order #....:**	L674T1AA	**Matrix....:**	AIR
Date Sampled....:	09/15/10	**Date Received....:**	09/18/10	**Dilution Factor....:**	1
Prep Date....:	09/20/10	**Analysis Date....:**	09/23/10	**Volume....:**	0
Prep Batch # ....:	0263337	**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	71	60 - 120
2-Fluorobiphenyl	70	58 - 105
2-Fluorophenol	61	41 - 105
Nitrobenzene-d5	66	46 - 118
Phenol-d5	67	43 - 122
Terphenyl-d14	84	69 - 110
2,4,6-Tribromophenol	105	61 - 118

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0I180489	**Work Order # ...:**	L674T1AC-LCS L674T1AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0I200000 - 337				
Prep Date .....:	09/20/10	**Analysis Date ..:**	09/23/10		
Prep Batch # ...:	0263337				
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**	**94.5**	**ug**	**94**	**(70 - 110)**		
	100	**90.2**	**ug**	**90**	**(70 - 110)**	**4.6**	**(0 - 30)**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	91	(58 - 105)
	80	(58 - 105)
2-Fluorophenol	74	(41 - 105)
	67	(41 - 105)
Nitrobenzene-d5	78	(46 - 118)
	72	(46 - 118)
Phenol-d5	84	(43 - 122)
	76	(43 - 122)
Terphenyl-d14	84	(69 - 110)
	80	(69 - 110)
2,4,6-Tribromophenol	110	(61 - 118)
	106	(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

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: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB
Run #10 Filename: 22SE10B1D5 S: 36 I: 1 Results: 22SE10B1D5TO9
Acquired: 24-SEP-10 00:42:34 Processed: 24-SEP-10 08:34:24
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

AK 9/24/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	441709000	0.82	y	17:55	-	252.81	-	-	n
13C-2,3,7,8-TCDF	679412000	0.82	y	17:23	1.56	3936.22	1.83	98.4	n
2,3,7,8-TCDF	186218	1.33	n	17:24	0.98	1.11 JQ	0.59	-	n
Total TCDF	358201	1.11	n	15:44	0.98	~~2.14~~ 1.11 ✓	0.59	-	n
13C-2,3,7,8-TCDD	395816000	0.81	y	18:06	0.92	3892.33	2.34	97.3	n
2,3,7,8-TCDD	57081	0.21	n	18:07	1.03	~~0.56~~	0.85	-	n
Total TCDD	179457	2.11	n	15:27	1.03	~~1.76~~	~~0.85~~ 0.185 ✓	-	n
37Cl-2,3,7,8-TCDD	219380000	1.00	y	18:07	1.23	1807.91	1.13	113.0	n
13C-1,2,3,7,8-PeCDF	471759000	1.62	y	22:29	1.05	4058.80	2.59	101.5	n
1,2,3,7,8-PeCDF	*	*	n	NotFnd	1.09	*	1.04	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.02	*	1.12	-	n
Total F2 PeCDF	482207	0.75	n	24:16	1.05	~~3.88~~ ~~3.88~~ AK 9/24/10	~~1.08~~	-	n
Total F1 PeCDF	708451	0.44	n	14:17	1.05	~~5.69~~ 6.123 3,88 ✓	~~0.85~~	-	n
13C-1,2,3,7,8-PeCDD	267254200	1.71	y	24:33	0.56	4315.08	1.60	107.9	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	1.07	*	1.46	-	n
Total PeCDD	649483	2.20	n	22:29	1.07	~~9.08~~ 7,21 DL	~~1.46~~	-	n
13C-1,2,3,7,8,9-HxCDD	378235000	1.27	y	30:52	-	230.48	-	-	n
13C-1,2,3,4,7,8-HxCDF	409122000	0.52	y	29:35	0.99	4366.62	2.27	109.2	n
1,2,3,4,7,8-HxCDF	102352	2.15	n	29:37	1.26	~~0.79~~	0.88	-	n
1,2,3,6,7,8-HxCDF	202008	1.19	y	29:42	1.53	1.29 J	0.72	-	n
2,3,4,6,7,8-HxCDF	118349	0.83	n	30:22	1.41	0.82 JQ	0.79	-	n
1,2,3,7,8,9-HxCDF	191601	1.01	n	31:03	1.40	1.34 JQ	0.79	-	n
Total HxCDF	759146	2.15	n	29:37	1.40	~~5.26~~ 3,45 ✓	0.79	-	n
13C-1,2,3,6,7,8-HxCDD	299449000	1.28	y	30:35	0.74	4282.43	0.81	107.1	n
1,2,3,4,7,8-HxCDD	74201	1.04	n	30:30	1.12	~~0.89~~	0.97	-	n
1,2,3,6,7,8-HxCDD	92641	1.70	n	30:35	1.14	1.08 JQ	0.95	-	n
1,2,3,7,8,9-HxCDD	63711	0.48	n	30:52	1.35	~~0.63~~	0.80	-	n
Total HxCDD	723420	1.67	n	29:43	1.20	~~8.06~~ 3.62 ✓	0.90	-	n
13C-1,2,3,4,6,7,8-HpCDF	318788000	0.45	y	32:28	0.96	3526.10	4.90	88.2	n
1,2,3,4,6,7,8-HpCDF	228551	2.45	n	32:29	1.41	2.04 JQ	1.30	-	n
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	1.24	*	1.49	-	n
Total HpCDF	821002	2.45	n	32:29	1.32	~~7.66~~ 2.04 ✓	1.39	-	n
13C-1,2,3,4,6,7,8-HpCDD	235446000	1.09	y	33:20	0.71	3496.14	5.09	87.4	n
1,2,3,4,6,7,8-HpCDD	514938	1.07	y	33:23	1.13	7.71 J	1.36	-	n
Total HpCDD	1117254	3.16	n	32:28	1.13	~~16.73~~ 10,32 ✓	~~1.36~~	-	n
13C-OCDD	210262000	0.92	y	35:57	0.35	6304.81	4.76	78.8	n
OCDF	137630	0.67	n	36:05	2.12	2.47 JQ	1.72	-	n
OCDD	348234	1.20	n	35:58	1.37	9.66 J	2.48	-	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:6
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	1.07 of which	0.56 named and	0.51 unnamed
Conc:	2.14 of which	1.11 named and	1.03 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:44	1.11	n	0.26	27724	2.8	n	n
						25015	1.4	n	n
	2	16:54	1.00	n	0.23	21613	2.5	n	n
						21610	1.3	n	n
2,3,7,8-TCDF	3	17:24	1.33	n	1.11	139482	10.6	y	n
						105208	4.9	y	n
	4	17:33	0.23	n	0.13	9250	0.8	n	n
						40011	1.4	n	n
	5	17:56	0.72	y	0.24	16571	1.7	n	n
						23040	1.4	n	n
	6	18:29	1.01	n	0.17	16284	1.9	n	n
						16149	1.1	n	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:4
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	0.88 of which	0.28 named and	0.60 unnamed
Conc:	1.76 of which	0.56 named and	1.20 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:27	2.11	n	0.39	47939	4.8	y	n
						22690	1.7	n	n
	2	17:13	0.94	n	0.29	15827	1.6	n	n
						16888	1.3	n	n
2,3,7,8-TCDD	3	18:07	0.21	n	0.56	24832	2.8	n	n
						115857	4.9	y	n
	4	19:06	0.71	y	0.51	21776	2.3	n	n
						30548	1.7	n	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:1
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	1.94 of which	* named and	1.94	unnamed	
Conc:	3.88 of which	* named and	3.88	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	24:16	0.75	n	3.88	293106	14.2	y	n
						392063	12.2	y	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	2.85 of which	* named and	2.85	unnamed	
Conc:	5.69 of which	* named and	5.69	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:17	0.44	n	0.23	17398	1.7	n	n
						39745	3.3	y	n
	2	15:26	0.76	n	2.60	196447	17.8	y	n
						258193	18.0	y	n
	3	17:41	0.80	n	0.12	9069	0.9	n	n
						11273	0.7	n	n
	4	19:06	0.58	n	2.35	177850	13.4	y	n
						305962	18.7	y	n
	5	20:19	1.62	y	0.39	30386	3.3	y	n
						18744	1.8	n	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:4
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	4.54 of which	* named and	4.54	unnamed	
Conc:	9.08 of which	* named and	9.08	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	22:29	2.20	n	0.97	60022	3.6	y	n
						27241	2.3	n	n
	2	23:38	1.40	y	0.49	20277	2.0	n	n
						14511	2.0	n	n
	3	24:16	2.67	n	7.21 DL	538840	24.7	y	n
						202180	16.1	y	n
	4	26:33	2.22	n	0.41	25802	2.2	n	n
						11636	1.9	n	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:5
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	2.63 of which	2.12 named and	0.51	unnamed	
Conc:	5.26 of which	4.25 named and	1.01	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,7,8-HxCDF	1	29:37	2.15	n	0.79	98312	3.7	y	n
						45693	2.9	n	n
1,2,3,6,7,8-HxCDF	2	29:42	1.19	y	1.29	109866	4.0	y	n
						92142	3.7	y	n
2,3,4,6,7,8-HxCDF	3	30:22	0.83	n	0.82	65515	3.3	y	n
						79391	4.5	y	n
1,2,3,7,8,9-HxCDF	4	31:03	1.01	n	1.34	106065	3.6	y	n
						105375	4.3	y	n
	5	31:47	1.73	n	1.01 OW	111706	5.3	y	n
						64659	3.4	y	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:8
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	4.03 of which	1.30 named and	2.73 unnamed
Conc:	8.06 of which	2.60 named and	5.46 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	29:43	1.67	n	2.54	171002	8.1	y	n
						102475	4.1	y	n
	2	30:20	1.98	n	1.42	113392	6.7	y	n
						57280	3.7	y	n
1,2,3,4,7,8-HxCDD	3	30:30	1.04	n	0.89	41076	3.0	n	n
						39685	2.6	n	n
1,2,3,6,7,8-HxCDD	4	30:35	1.70	n	1.08	70166	3.5	y	n
						41358	3.0	n	n
1,2,3,7,8,9-HxCDD	5	30:52	0.48	n	0.63	35269	2.6	n	n
						73410	4.1	y	n
	6	31:03	2.64	n	0.83	88434	5.8	y	n
						33478	2.2	n	n
	7	31:10	3.19	n	0.16	20571	1.1	n	n
						6450	0.6	n	n
	8	31:47	0.36	n	0.51	25229	1.9	n	n
						69978	3.3	y	n

Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:3
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	3.83 of which	1.02 named and	2.81 unnamed
Conc:	7.66 of which	2.04 named and	5.62 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:29	2.45	n	2.04	274913	10.2	y	n
						112035	5.5	y	n
	2	33:24	0.84	n	2.91	156485	6.3	y	n
						185798	8.3	y	n
	3	34:54	1.13	y	2.71	151223	5.5	y	n
						134276	6.0	y	n

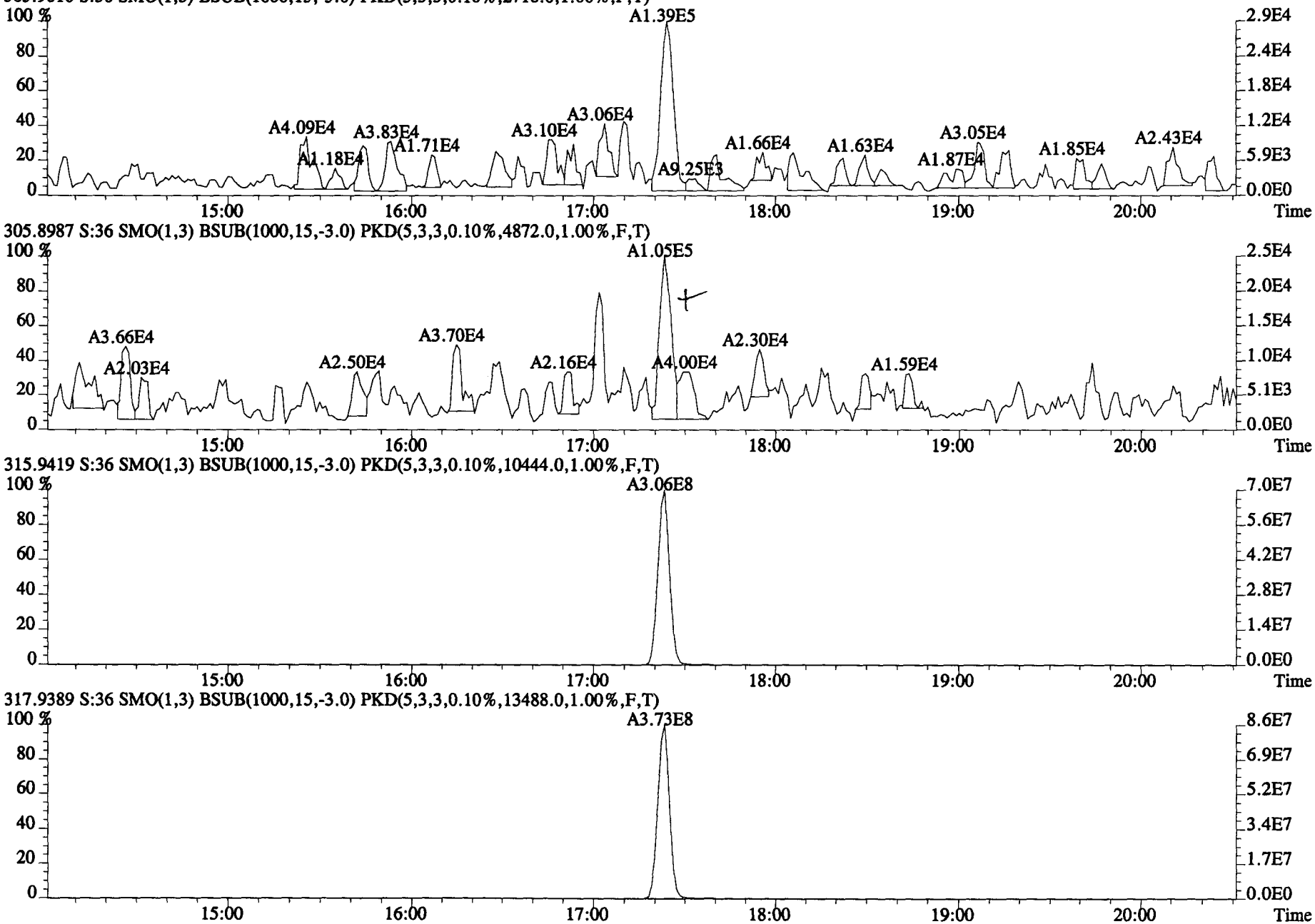
Run Text: L674R-1-AAB Sample text: L674R-1-AAB :G0I180489-1MB

Name: Total HpCDD F:4 Mass: 423.7677 425.774 Mod? no #Hom:5
Run: 10 File: 22SE10B1D5 S:36 Acq:24-SEP-10 00:42:34
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

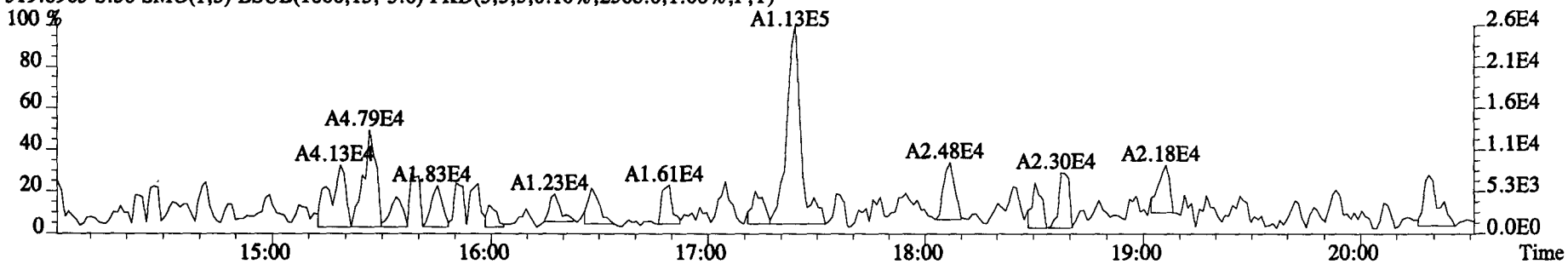
Amount:	8.37 of which	3.86 named and	4.51	unnamed
Conc:	16.73 of which	7.71 named and	9.02	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:28	3.16	n	1.47	152050	9.7	y	n
						48089	3.9	y	n
	2	32:45	1.04	y	2.61	88873	5.6	y	n
						85274	6.6	y	n
1,2,3,4,6,7,8-HpCDD	3	33:23	1.07	y	7.71	266601	14.1	y	n
						248337	17.2	y	n
	4	33:41	1.96	n	1.42	90819	4.2	y	n
						46441	3.1	y	n
	5	34:53	1.27	n	3.52	146312	7.5	y	n
						115356	9.5	y	n

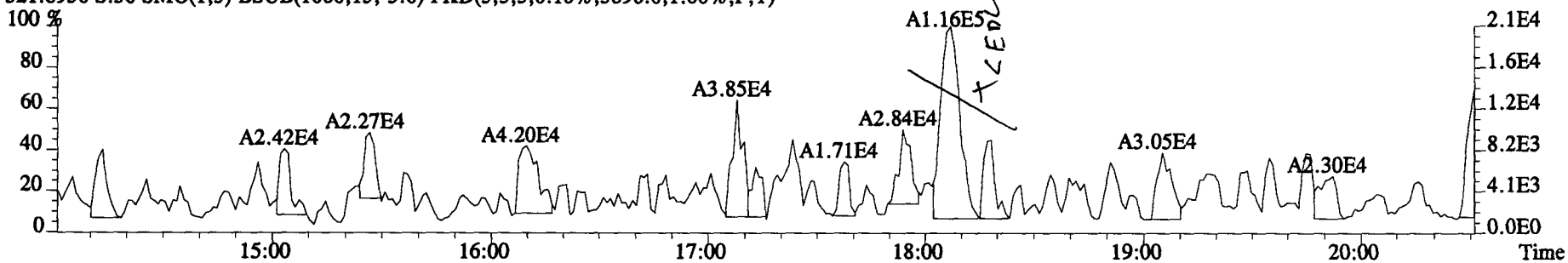
File:22SE10B1D5 #1-383 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



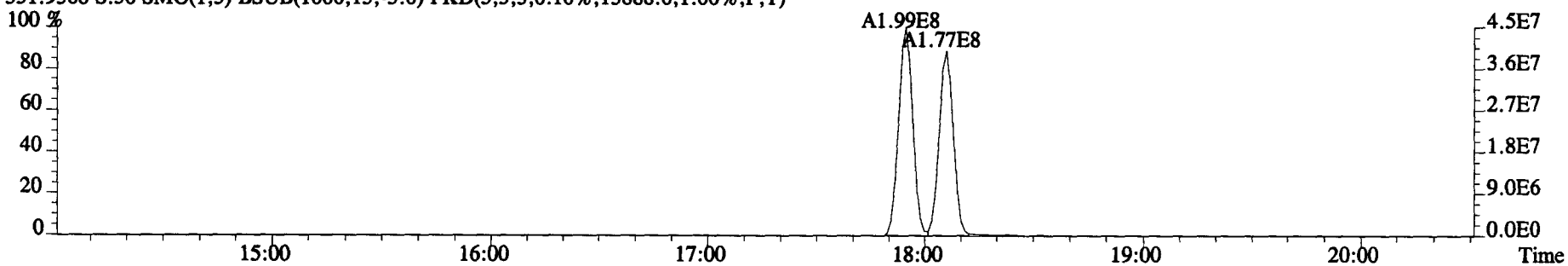
File:22SE10B1D5 #1-383 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
319.8965 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2568.0,1.00%,F,T)



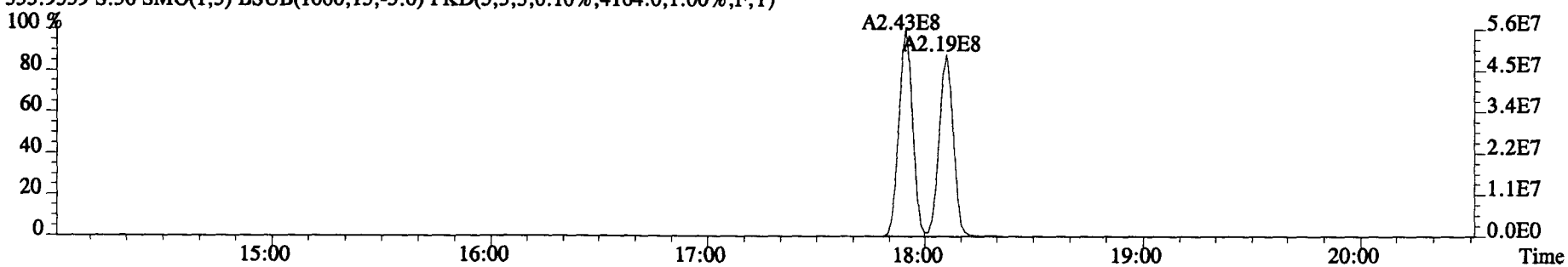
321.8936 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3896.0,1.00%,F,T)



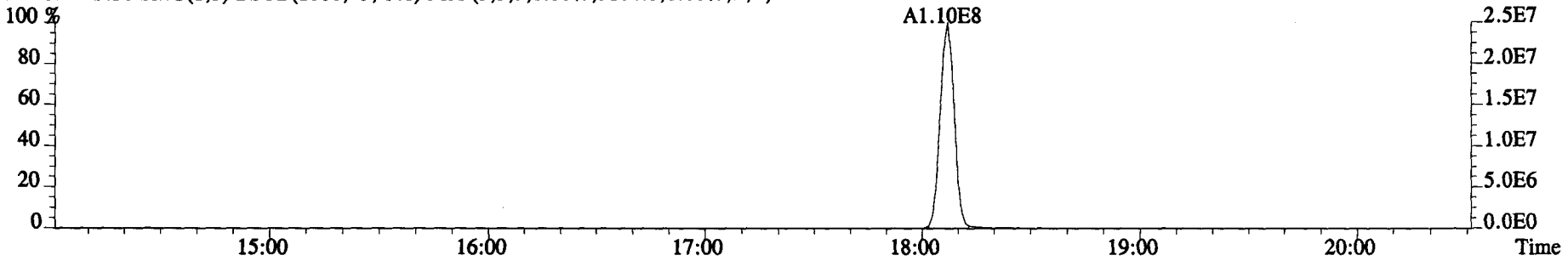
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13888.0,1.00%,F,T)



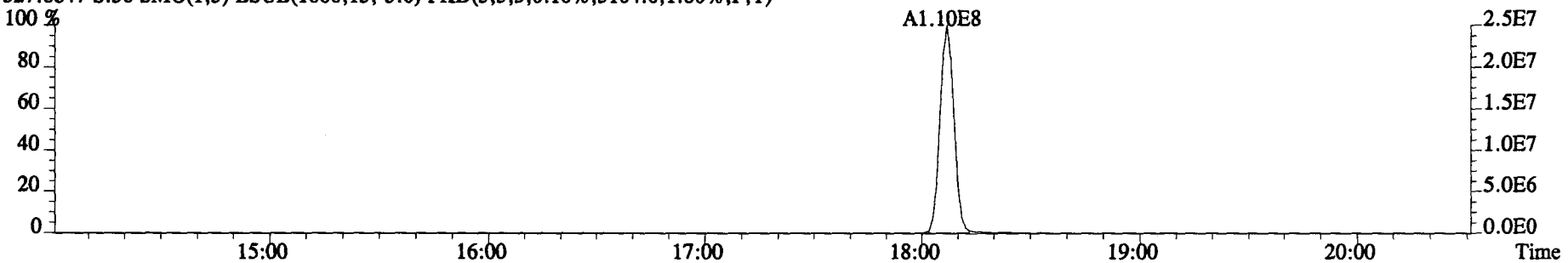
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4164.0,1.00%,F,T)



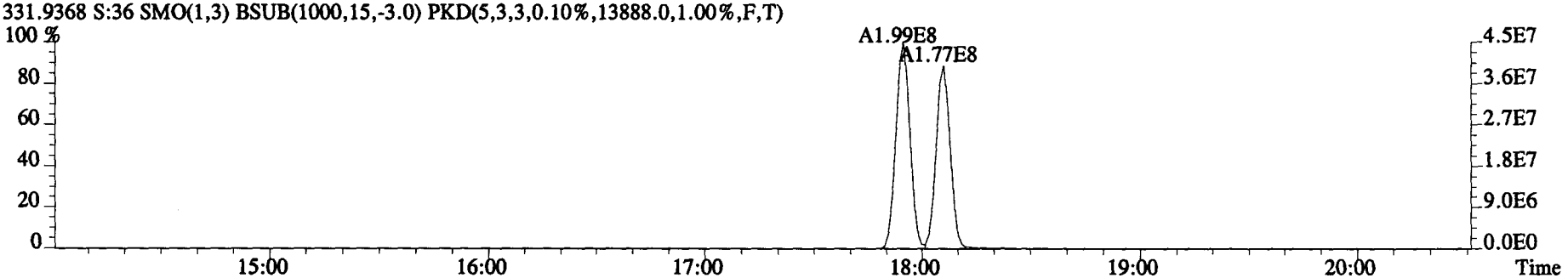
File:22SE10B1D5 #1-383 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5104.0,1.00%,F,T)



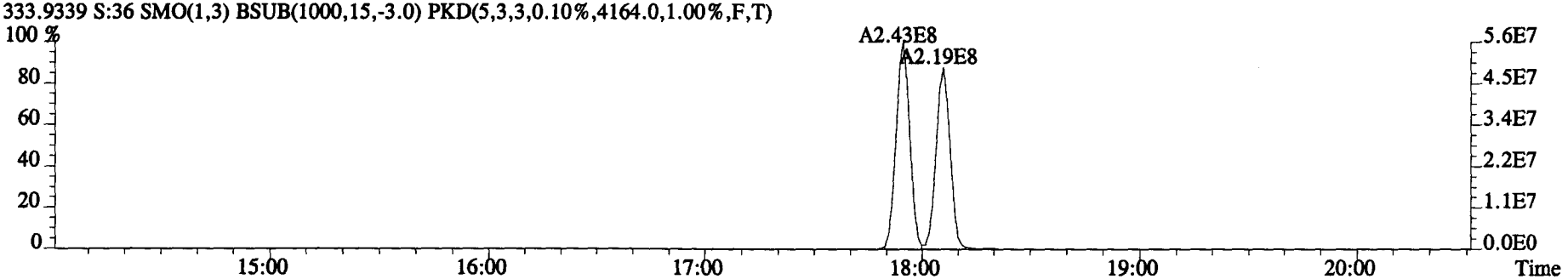
327.8847 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5104.0,1.00%,F,T)



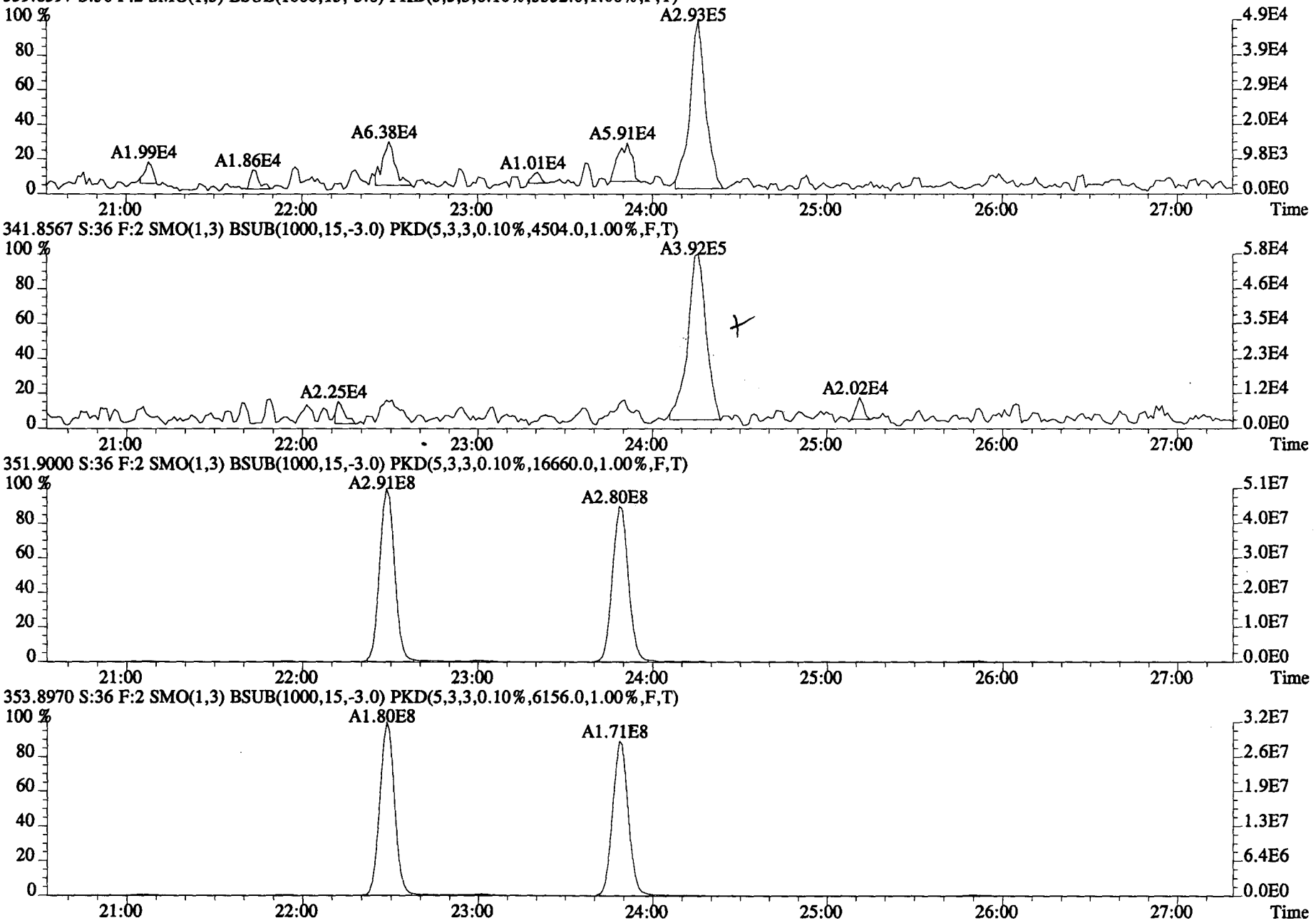
331.9368 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13888.0,1.00%,F,T)



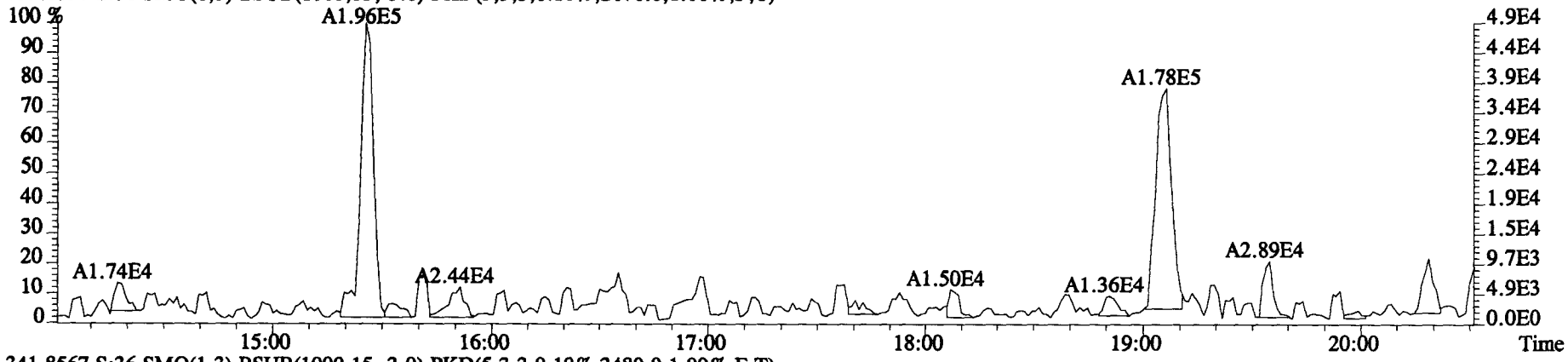
333.9339 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4164.0,1.00%,F,T)



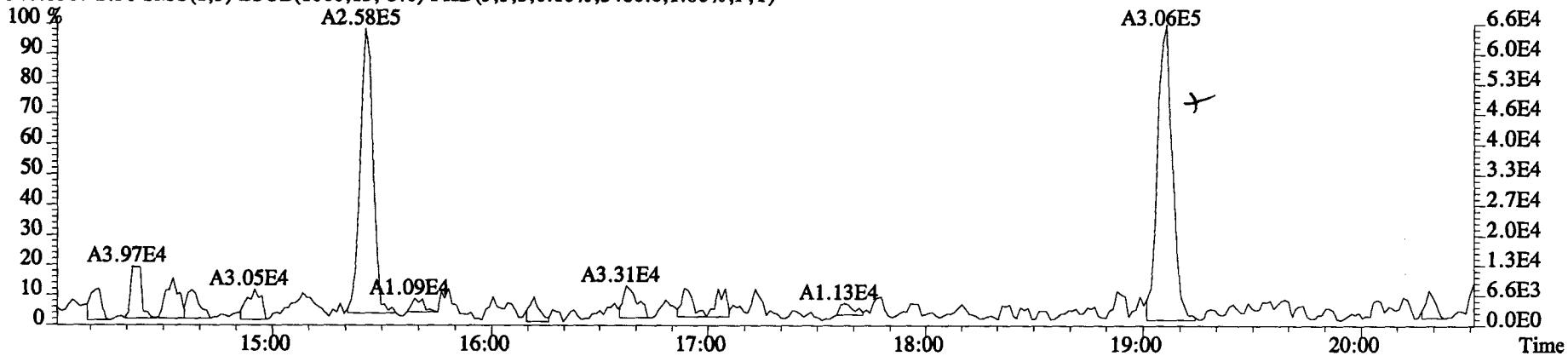
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



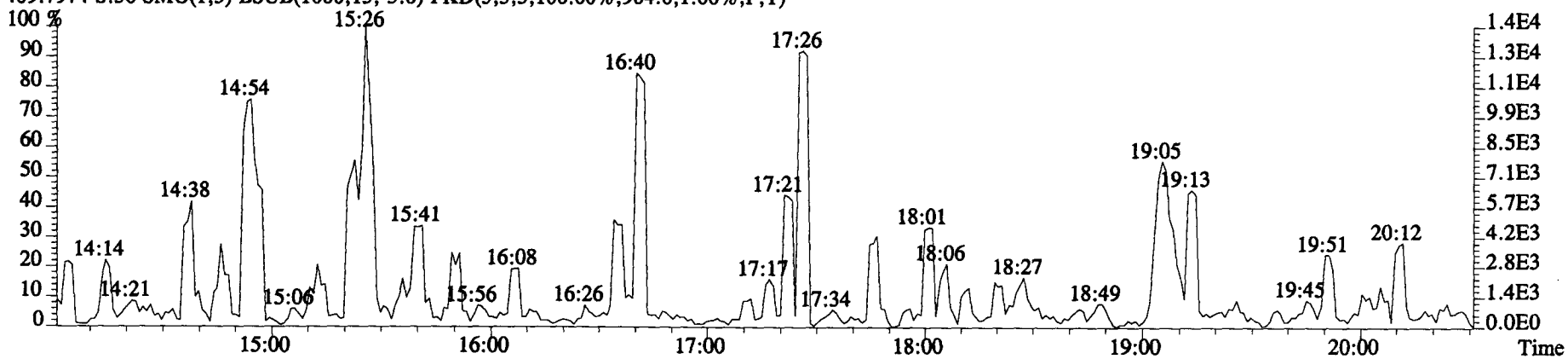
File:22SE10B1D5 #1-383 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
339.8597 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2676.0,1.00%,F,T)



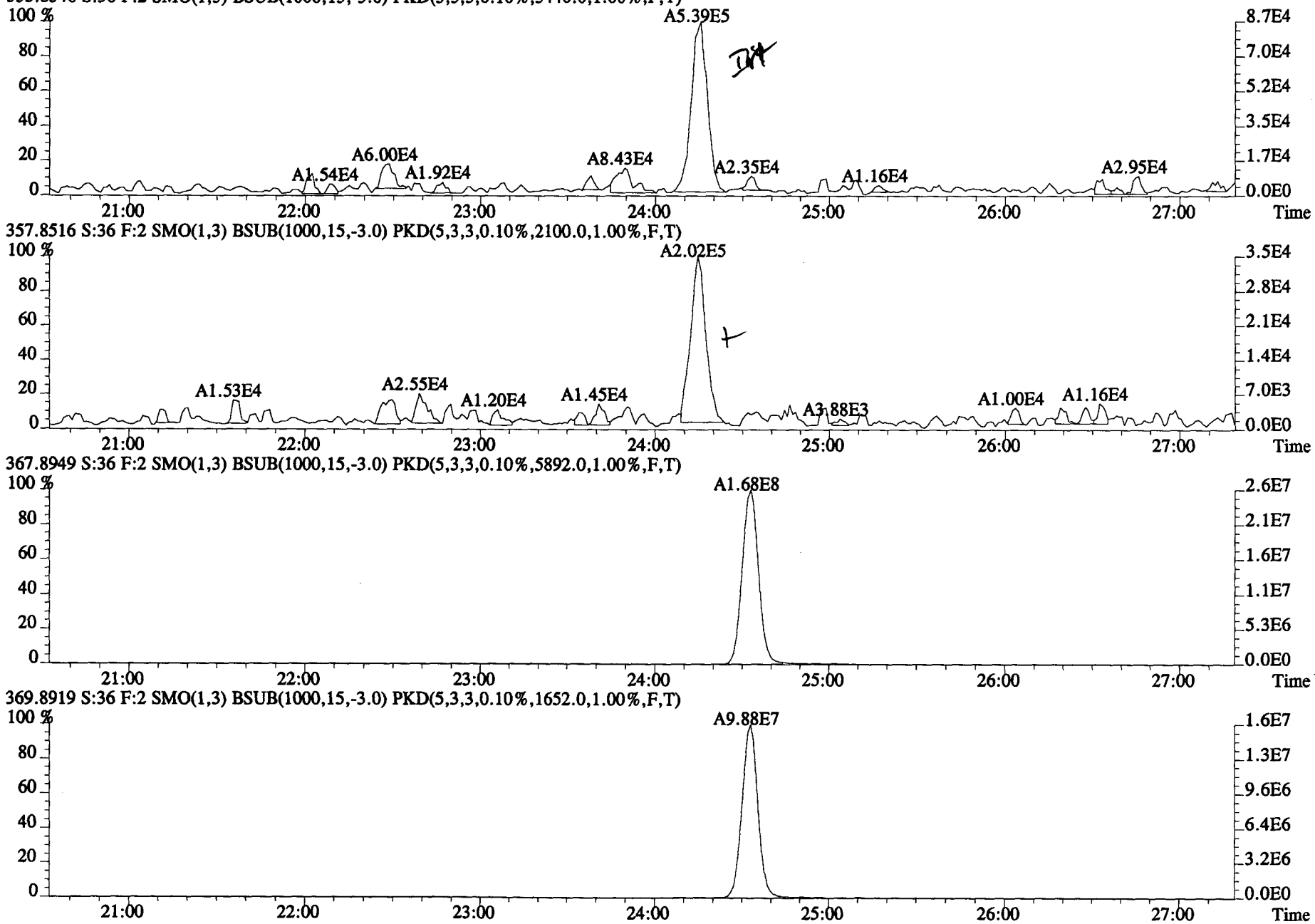
341.8567 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



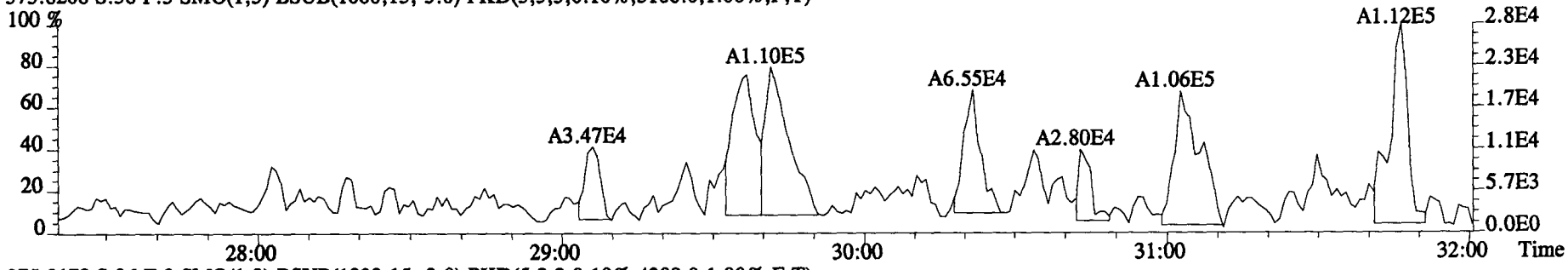
409.7974 S:36 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,904.0,1.00%,F,T)



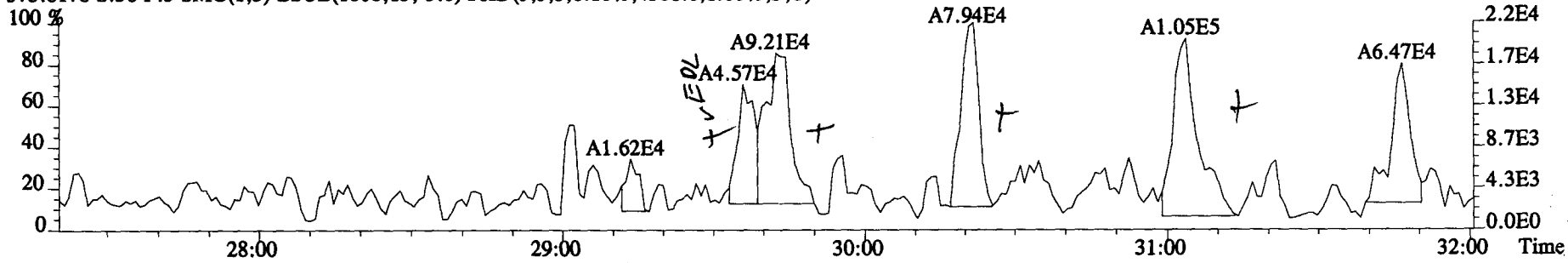
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



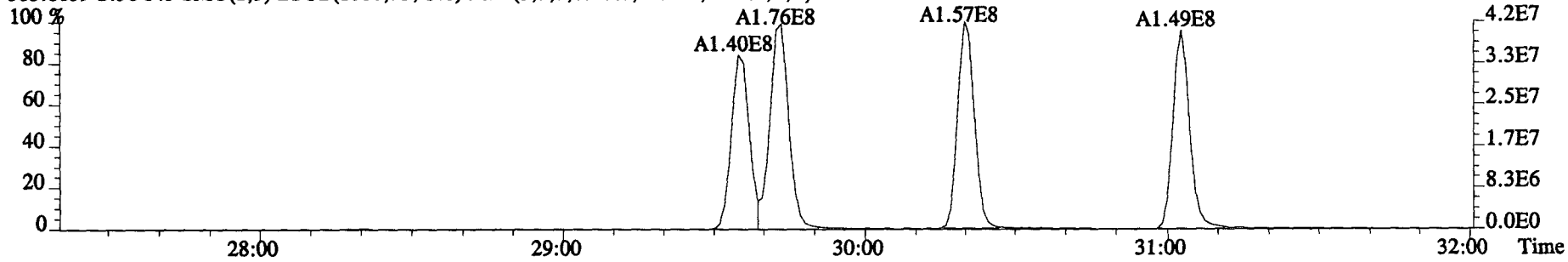
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
373.8208 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5108.0,1.00%,F,T)



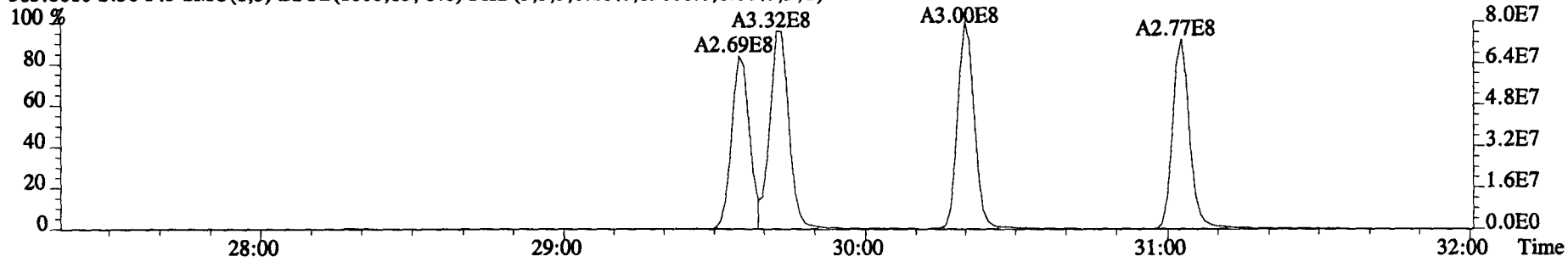
375.8178 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4308.0,1.00%,F,T)



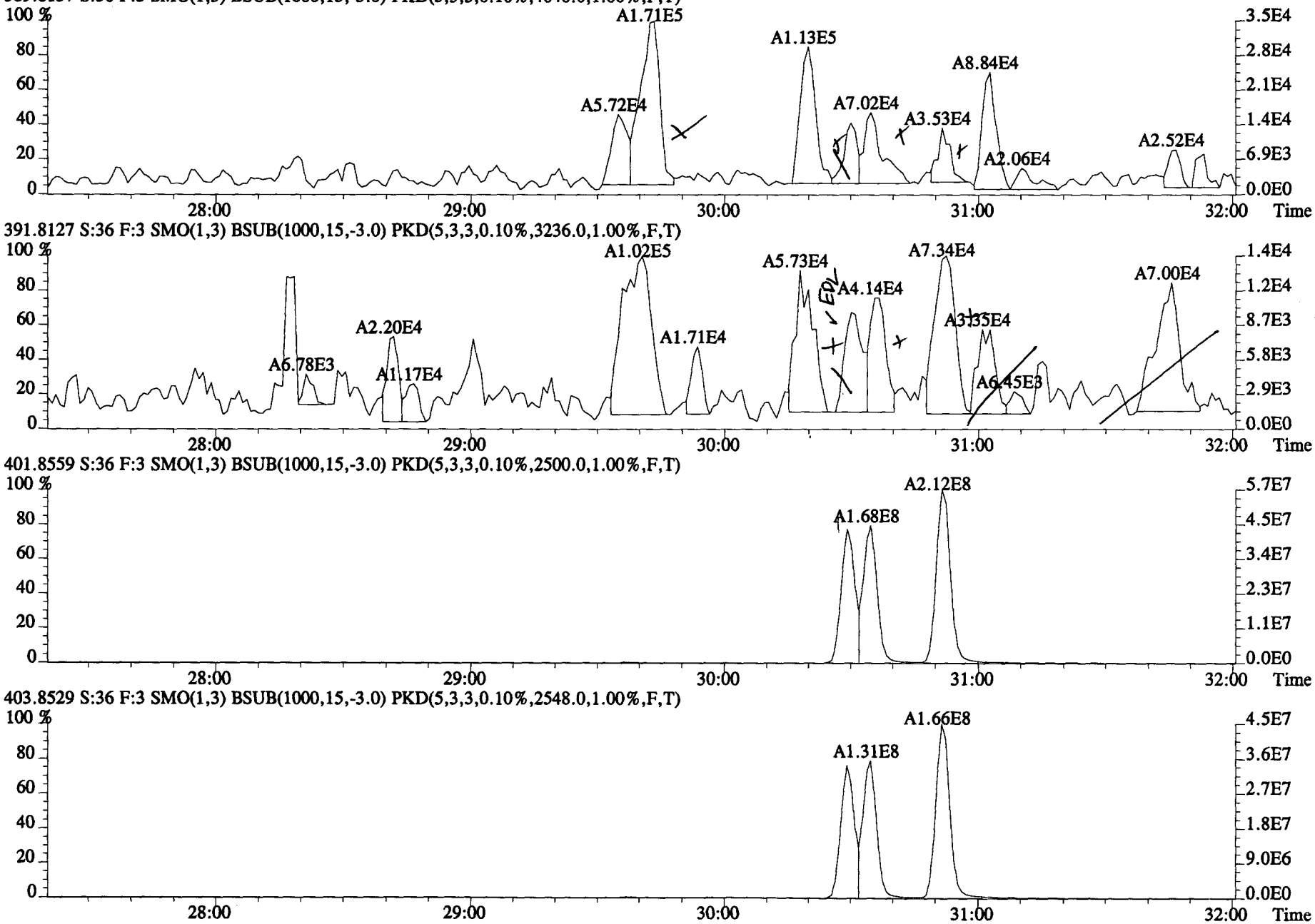
383.8639 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7752.0,1.00%,F,T)



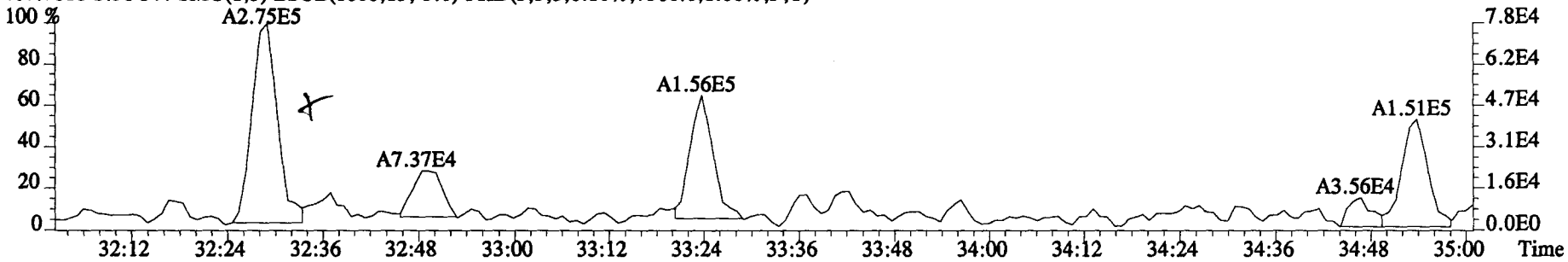
385.8610 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,89688.0,1.00%,F,T)



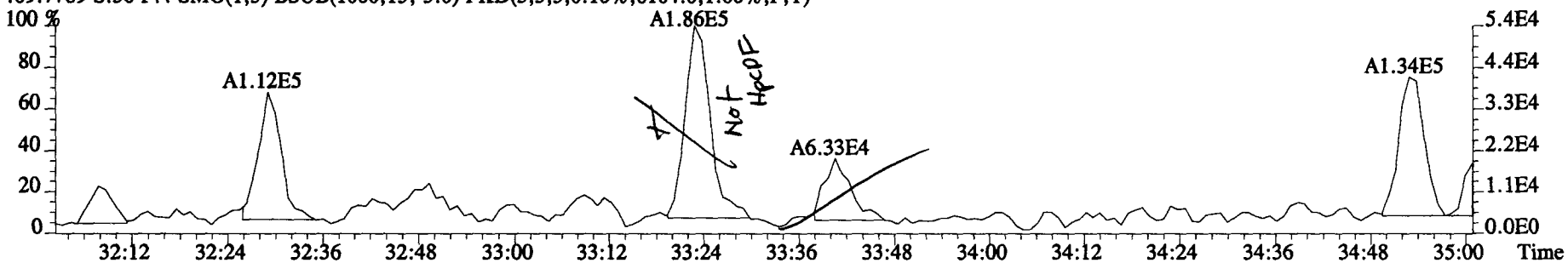
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



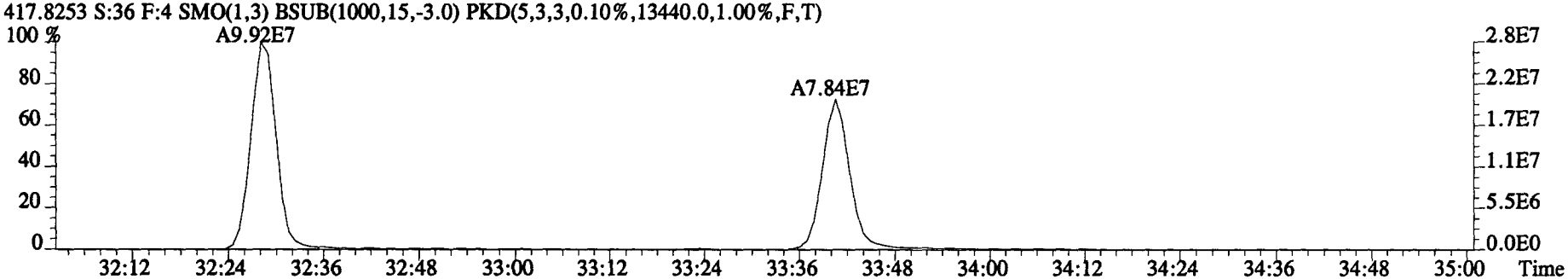
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
407.7818 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7360.0,1.00%,F,T)



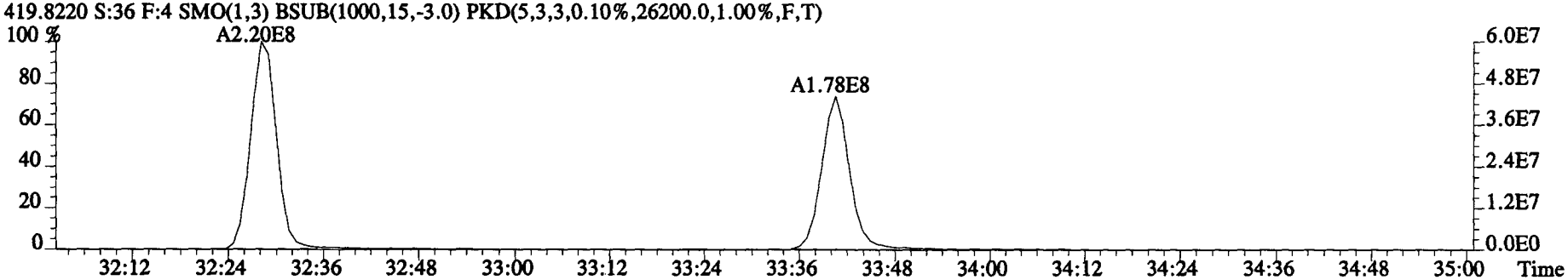
409.7789 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6104.0,1.00%,F,T)



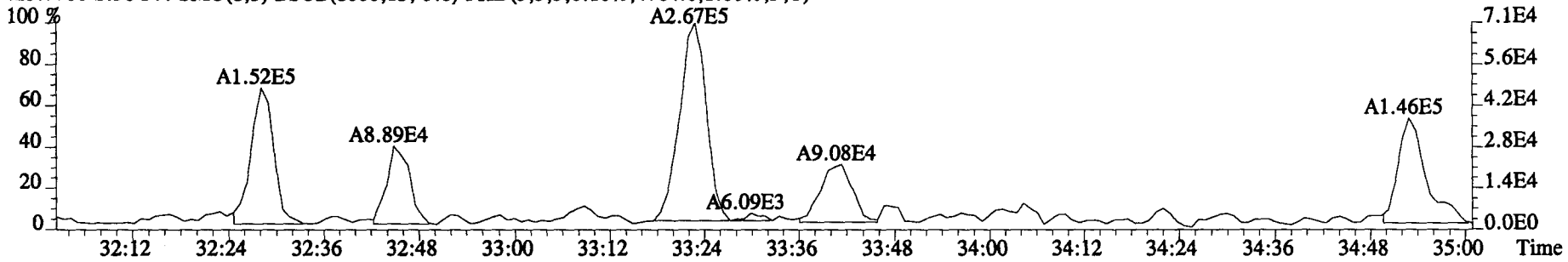
417.8253 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13440.0,1.00%,F,T)



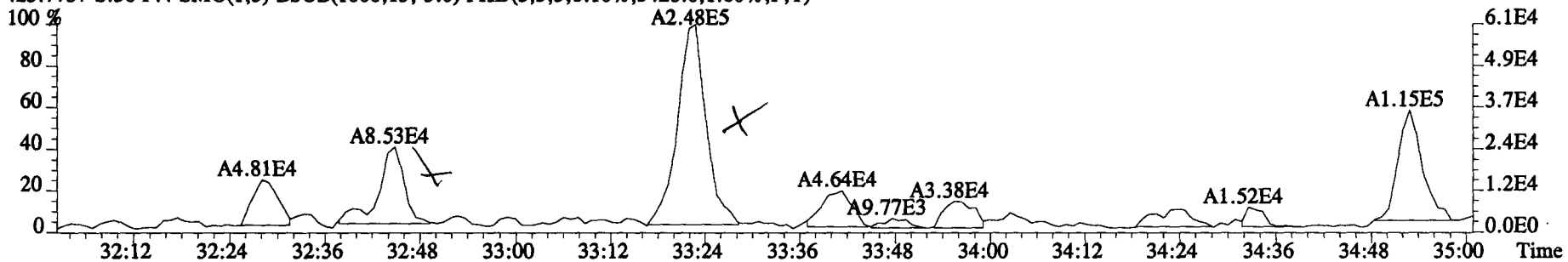
419.8220 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26200.0,1.00%,F,T)



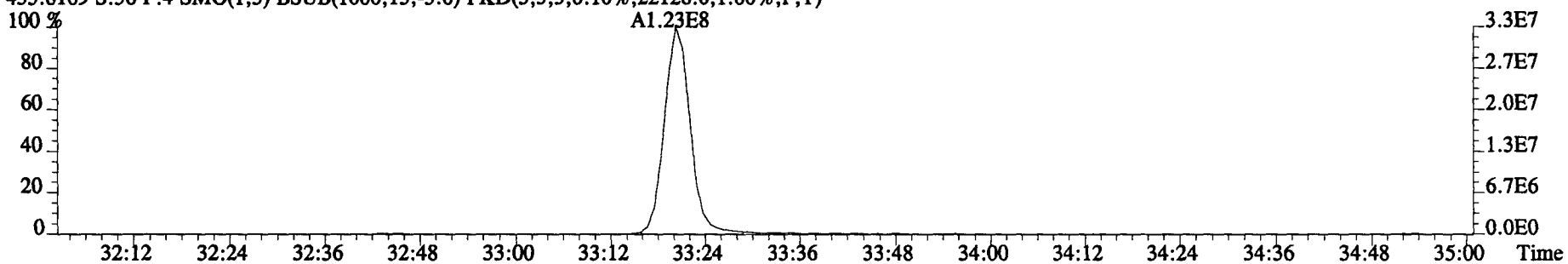
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
423.7766 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4784.0,1.00%,F,T)



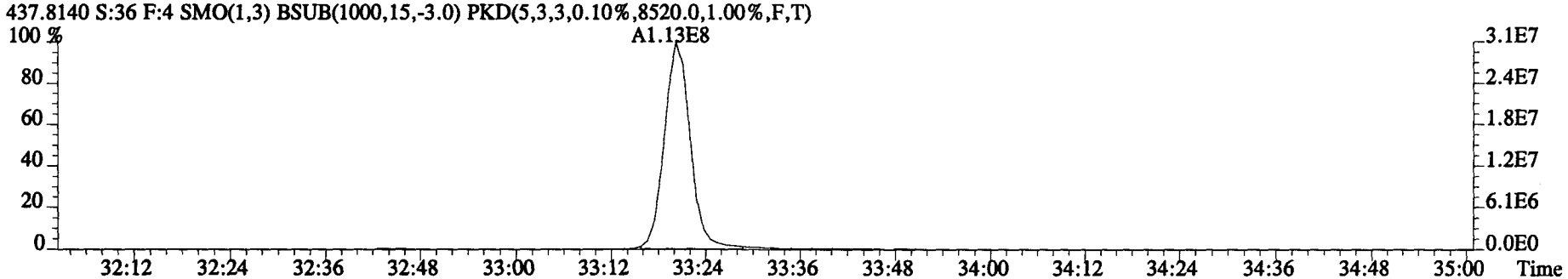
425.7737 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3428.0,1.00%,F,T)



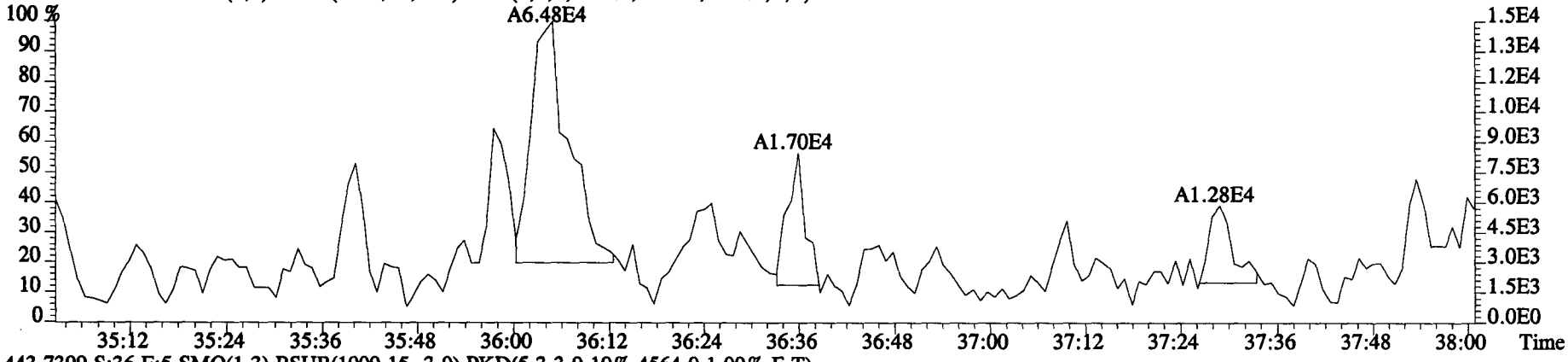
435.8169 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22128.0,1.00%,F,T)



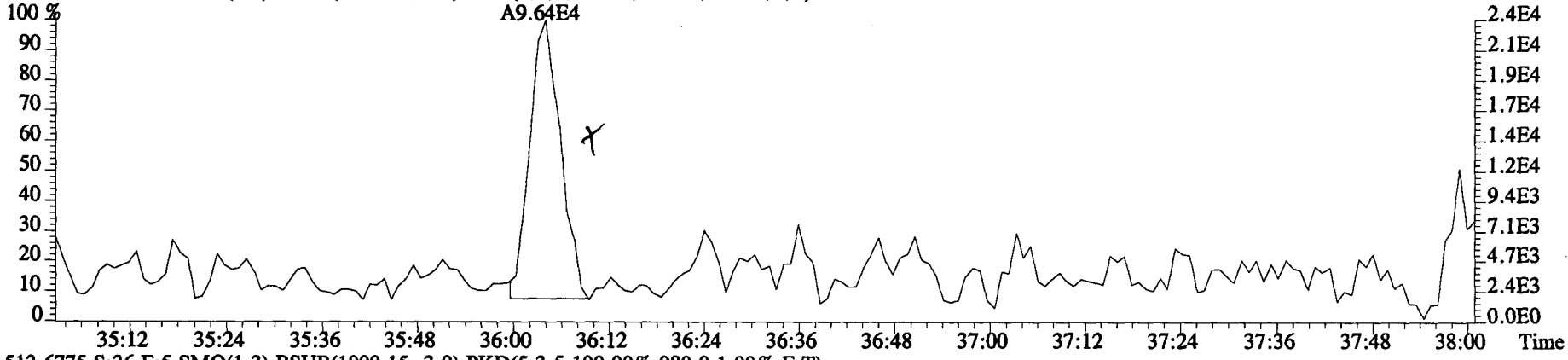
437.8140 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8520.0,1.00%,F,T)



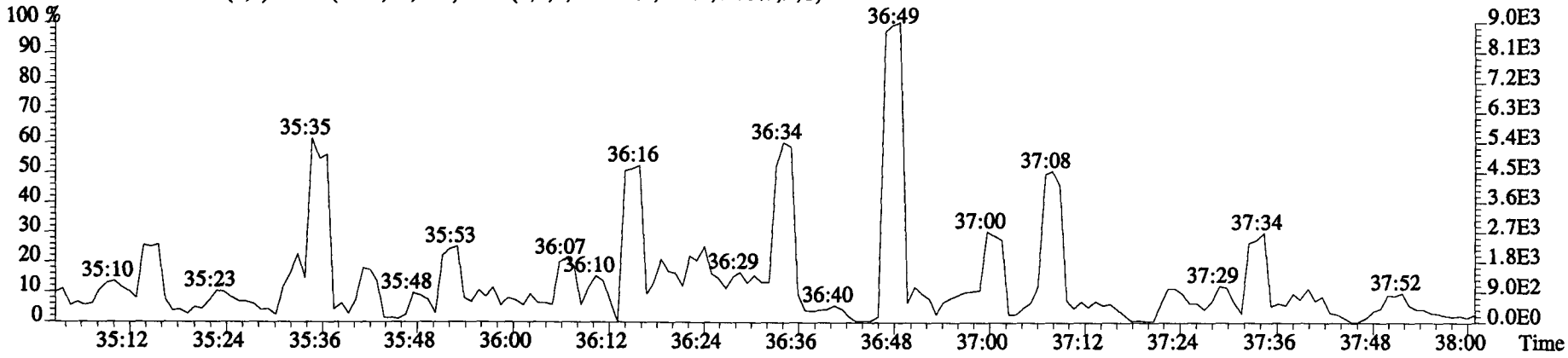
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
441.7428 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3060.0,1.00%,F,T)



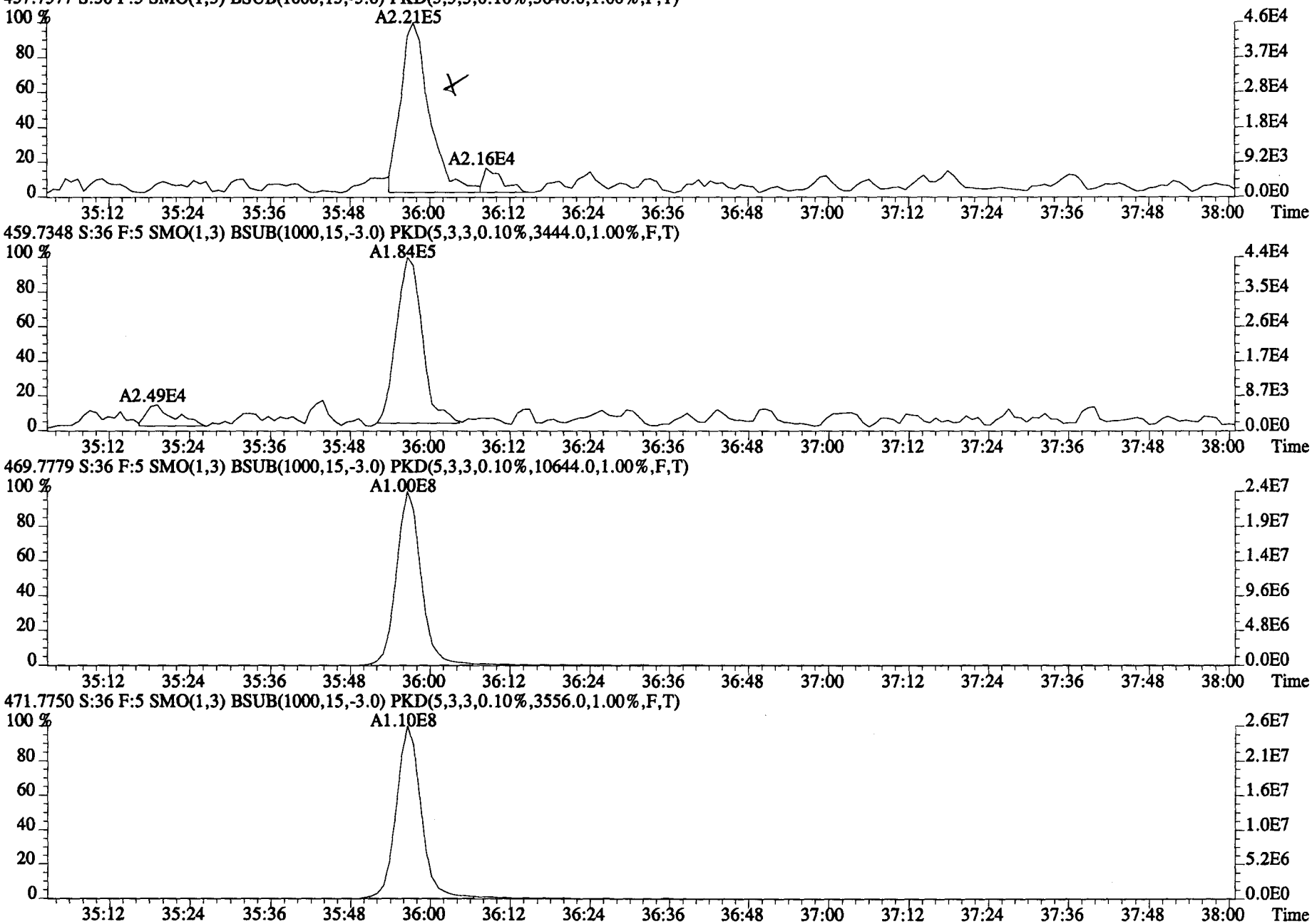
443.7399 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4564.0,1.00%,F,T)



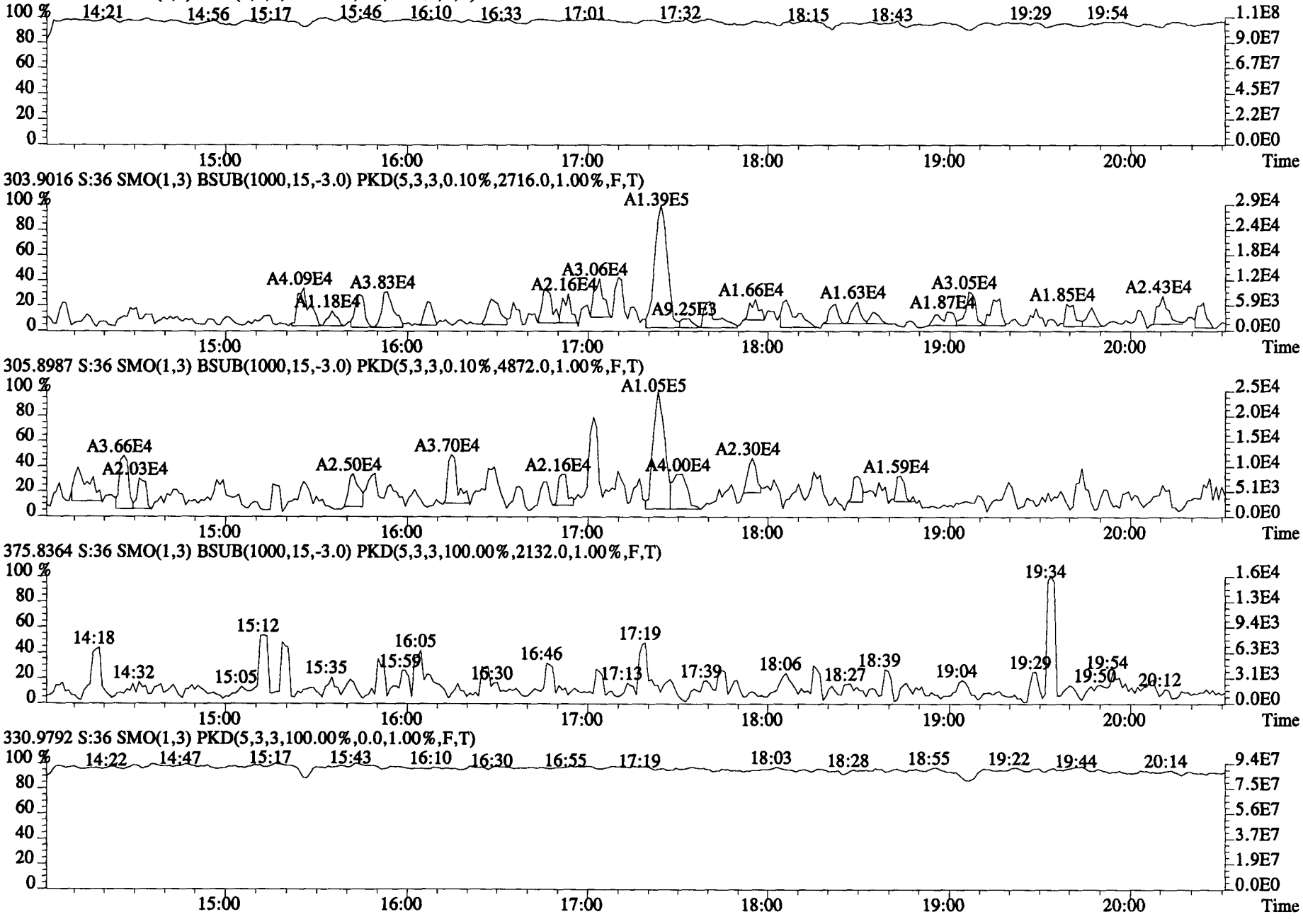
513.6775 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,980.0,1.00%,F,T)



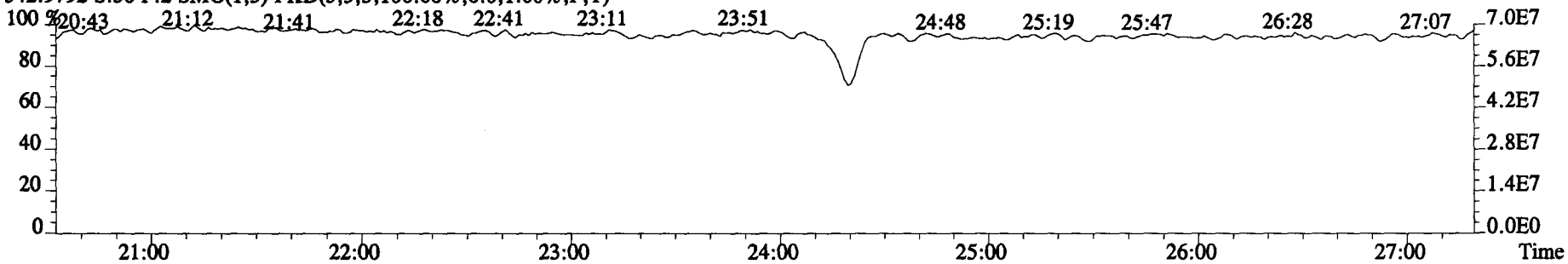
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



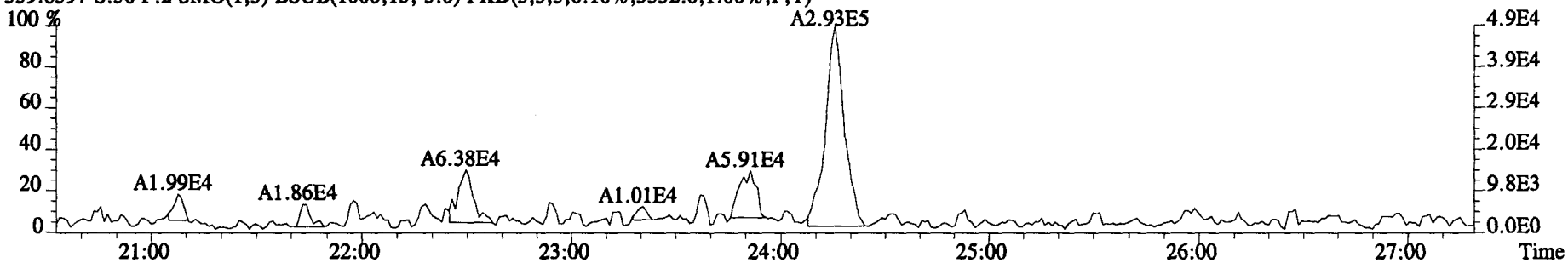
File:22SE10B1D5 #1-383 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



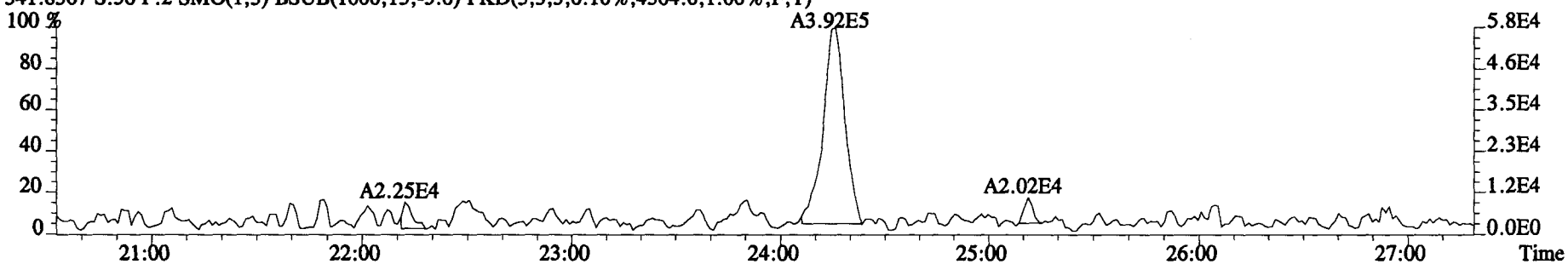
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
342.9792 S:36 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



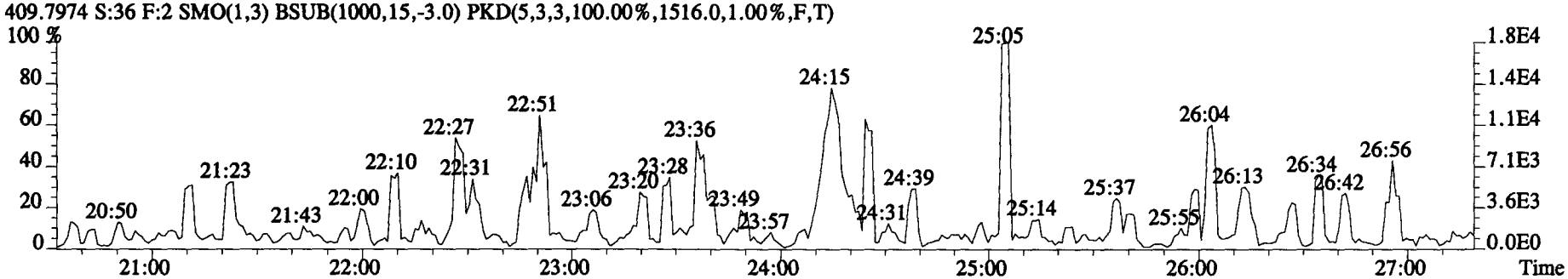
339.8597 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3332.0,1.00%,F,T)



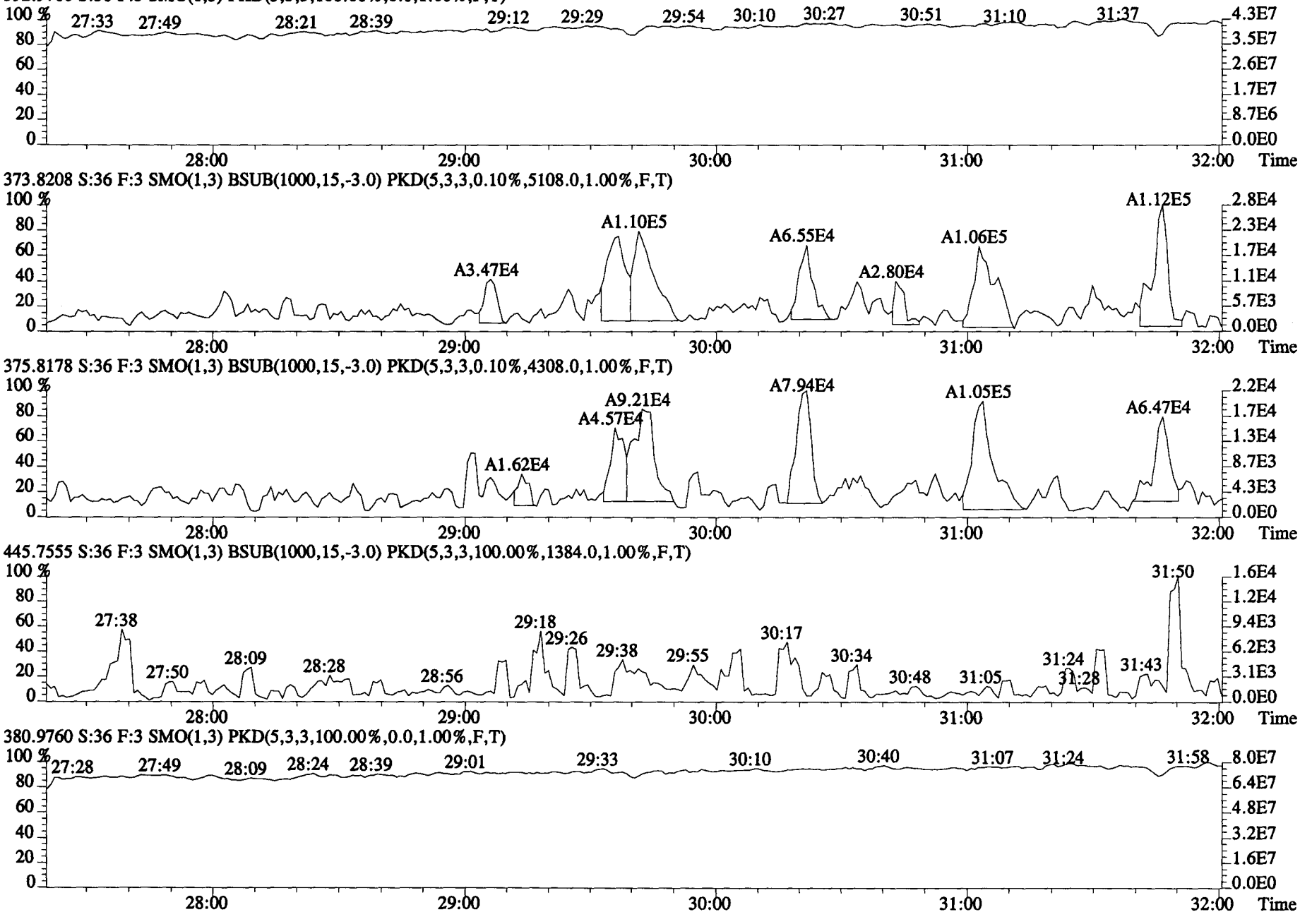
341.8567 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)



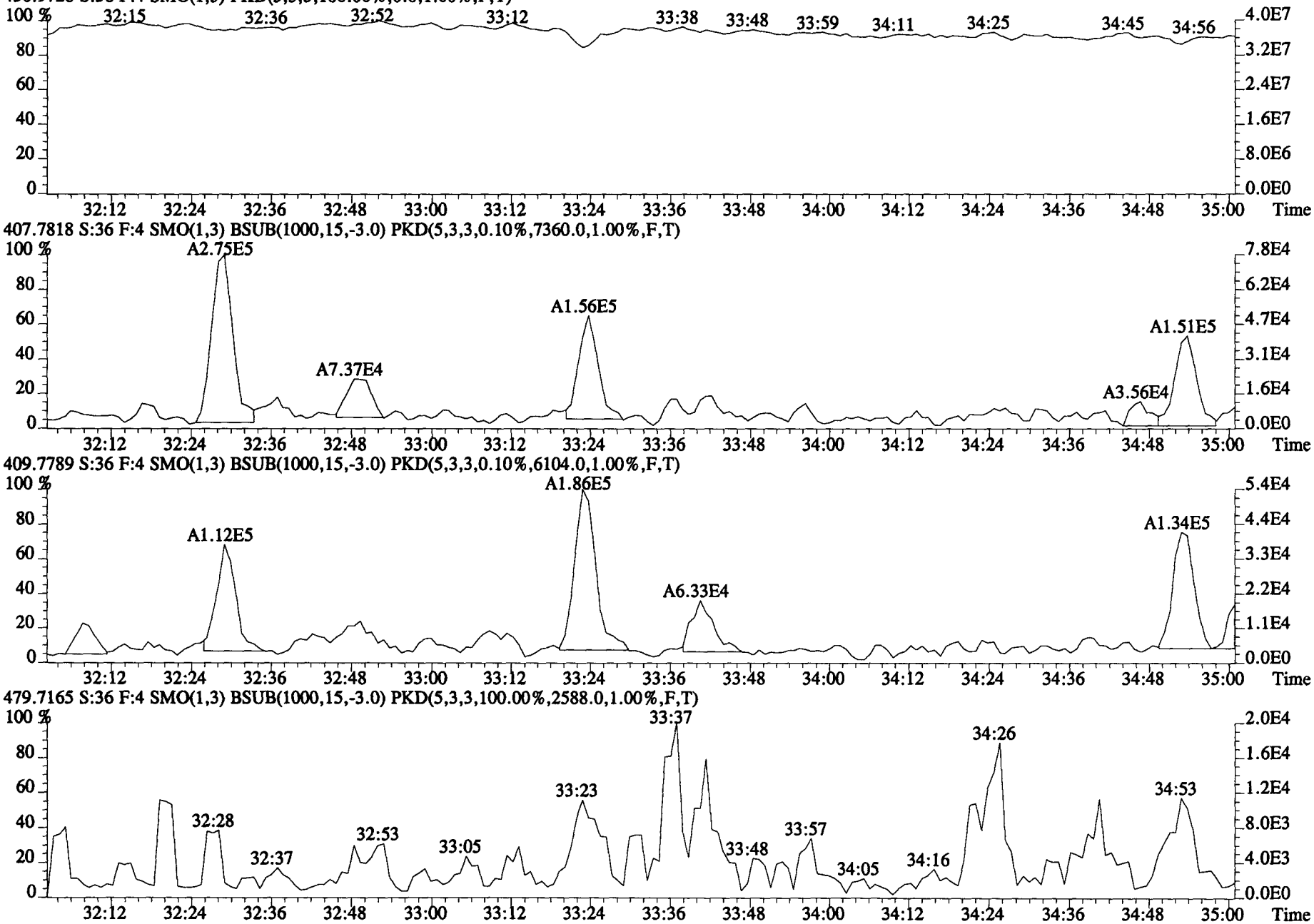
409.7974 S:36 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1516.0,1.00%,F,T)



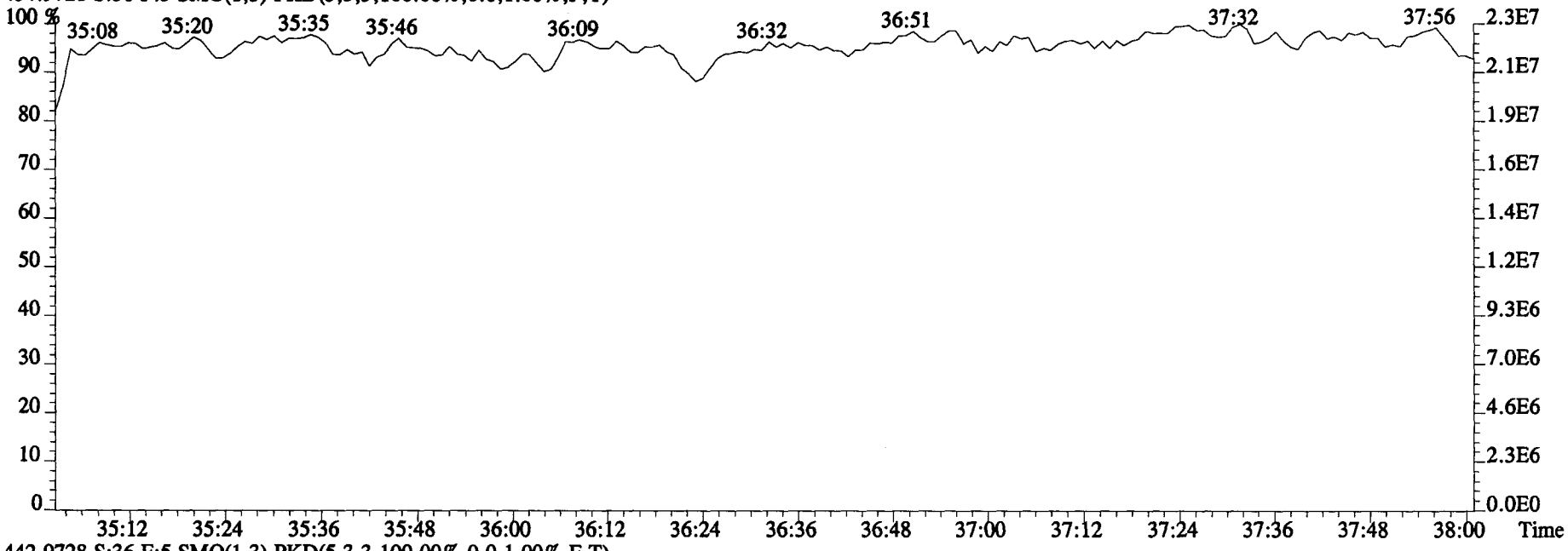
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



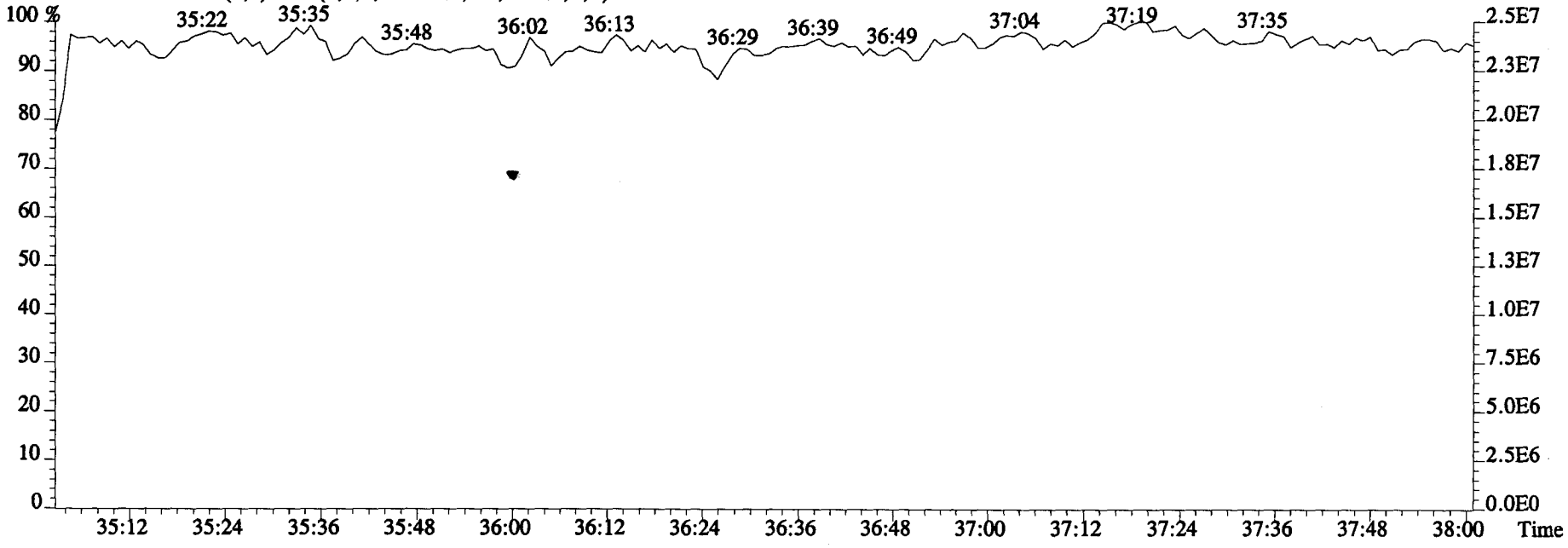
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 00:42:34 GC EI+ Voltage SIR 70SE
Sample#36 Text:L674R-1-AAB :G0I180489-1MB Exp:DIOXINRES
454.9728 S:36 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:36 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

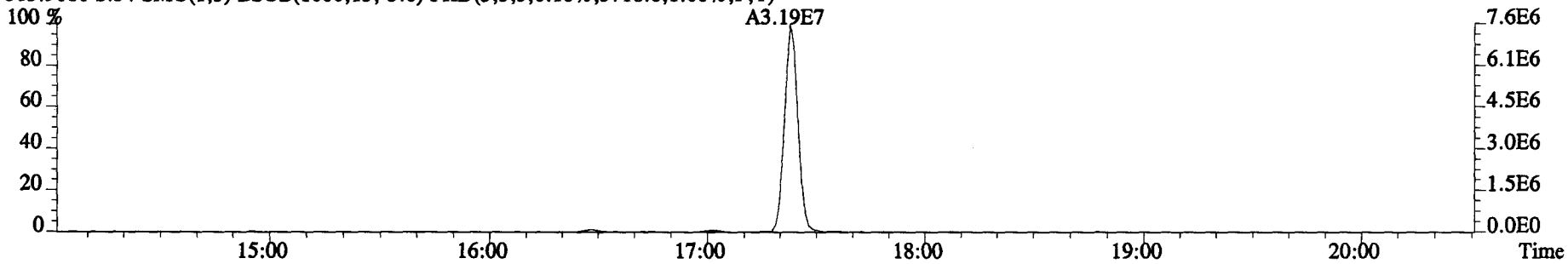


Run text: L674R-1-ACC Sample text: L674R-1-ACC :G0I180489-1LCS
Run #8 Filename: 22SE10B1D5 S: 34 I: 1 Results: 22SE10B1D5TO9
Acquired: 23-SEP-10 23:16:40 Processed: 24-SEP-10 08:34:22
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

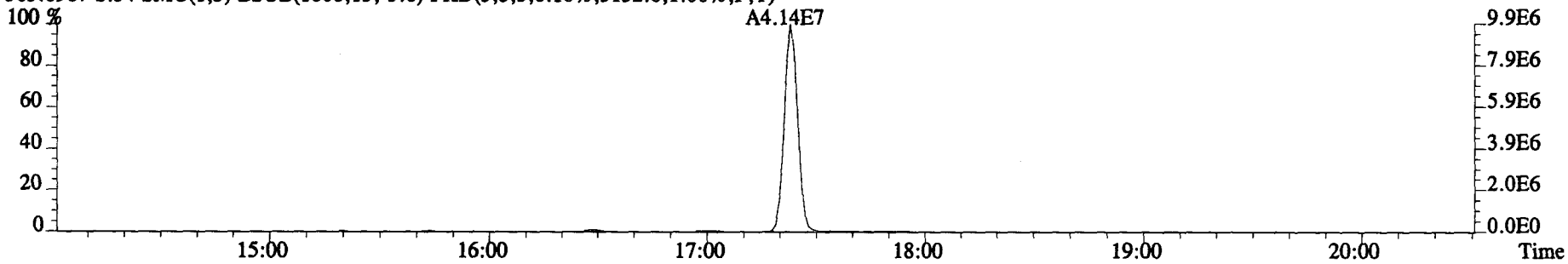
AK 9/24/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	467528000	0.82	y	17:53	-	267.59	-	-	n
13C-2,3,7,8-TCDF	682759000	0.81	y	17:22	1.56	3737.16	1.81	93.4	n
2,3,7,8-TCDF	73227400	0.77	y	17:23	0.98	436.09	0.84	-	n
Total TCDF	74431636	1.09	n	15:41	0.98	443.26	0.84	-	n
13C-2,3,7,8-TCDD	406965000	0.81	y	18:05	0.92	3780.96	2.70	94.5	n
2,3,7,8-TCDD	43081300	0.77	y	18:07	1.03	410.45	1.27	-	n
Total TCDD	43208207	7.19	n	17:23	1.03	411.66	1.27	-	n
37Cl-2,3,7,8-TCDD	639030	1.00	y	18:06	1.23	5.12	1.30	0.3	n
13C-1,2,3,7,8-PeCDF	510674000	1.63	y	22:28	1.05	4150.98	1.55	103.8	n
1,2,3,7,8-PeCDF	306411000	1.62	y	22:29	1.09	2197.53	1.80	-	n
2,3,4,7,8-PeCDF	285881000	1.63	y	23:49	1.02	2200.38	1.93	-	n
Total F2 PeCDF	596867007	1.68	y	21:07	1.05	4431.87	1.87	-	n
Total F1 PeCDF	753986	0.76	n	14:08	1.05	5.60	0.85	-	n
13C-1,2,3,7,8-PeCDD	282202000	1.66	y	24:32	0.56	4304.80	1.72	107.6	n
1,2,3,7,8-PeCDD	156016100	1.64	y	24:34	1.07	2066.08	2.41	-	n
Total PeCDD	156498647	2.47	n	24:13	1.07	2072.47	2.41	-	n
13C-1,2,3,7,8,9-HxCDD	363186000	1.30	y	30:51	-	221.31	-	-	n
13C-1,2,3,4,7,8-HxCDF	402424000	0.52	y	29:35	0.99	4473.11	1.48	111.8	n
1,2,3,4,7,8-HxCDF	284606000	1.26	y	29:36	1.26	2243.48	0.72	-	n
1,2,3,6,7,8-HxCDF	309244000	1.27	y	29:43	1.53	2007.55	0.59	-	n
2,3,4,6,7,8-HxCDF	294382000	1.25	y	30:20	1.41	2079.18	0.64	-	n
1,2,3,7,8,9-HxCDF	265065000	1.26	y	31:02	1.40	1887.14	0.65	-	n
Total HxCDF	1154037646	1.29	y	28:20	1.40	8222.62	0.65	-	n
13C-1,2,3,6,7,8-HxCDD	272928000	1.29	y	30:33	0.74	4064.88	0.61	101.6	n
1,2,3,4,7,8-HxCDD	166264800	1.42	y	30:30	1.12	2176.07	1.08	-	n
1,2,3,6,7,8-HxCDD	178245700	1.17	y	30:34	1.14	2289.11	1.06	-	n
1,2,3,7,8,9-HxCDD	190780900	1.30	y	30:52	1.35	2065.31	0.89	-	n
Total HxCDD	535291400	1.42	y	30:30	1.20	6530.48	1.01	-	n
13C-1,2,3,4,6,7,8-HpCDF	311638400	0.45	y	32:28	0.96	3589.85	7.35	89.7	n
1,2,3,4,6,7,8-HpCDF	242678000	1.06	y	32:29	1.41	2212.02	2.80	-	n
1,2,3,4,7,8,9-HpCDF	193818000	1.04	y	33:40	1.24	2013.08	3.19	-	n
Total HpCDF	437308037	1.06	y	32:29	1.32	4232.99	2.98	-	n
13C-1,2,3,4,6,7,8-HpCDD	221452000	1.09	y	33:20	0.71	3424.60	5.77	85.6	n
1,2,3,4,6,7,8-HpCDD	135370400	1.07	y	33:21	1.13	2155.56	2.56	-	n
Total HpCDD	136616175	1.91	n	32:28	1.13	2175.39	2.56	-	n
13C-OCDD	198637300	0.92	y	35:55	0.35	6203.05	3.55	77.5	n
OCDF	199422900	0.91	y	36:03	2.12	3792.96	2.63	-	n
OCDD	136002000	0.91	y	35:56	1.37	3994.87	3.39	-	n

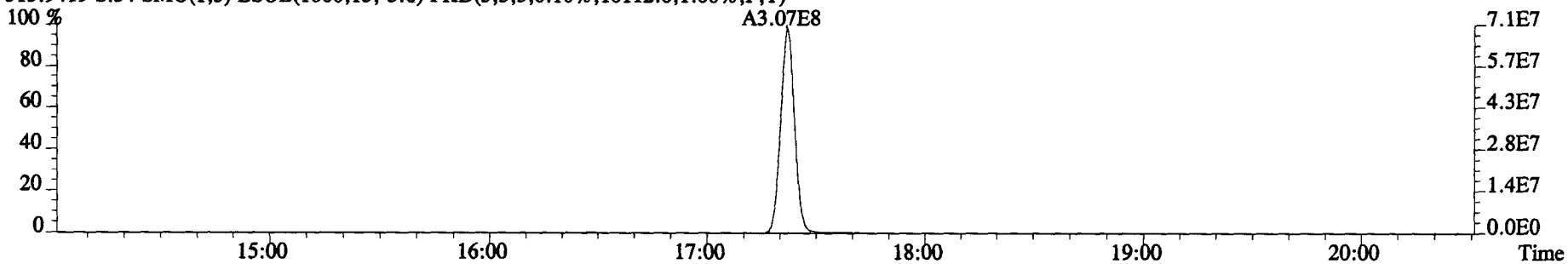
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
303.9016 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)



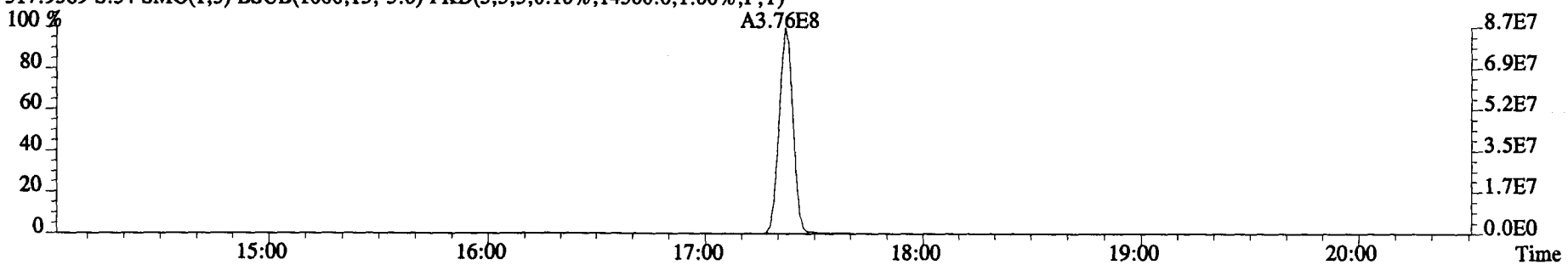
305.8987 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)



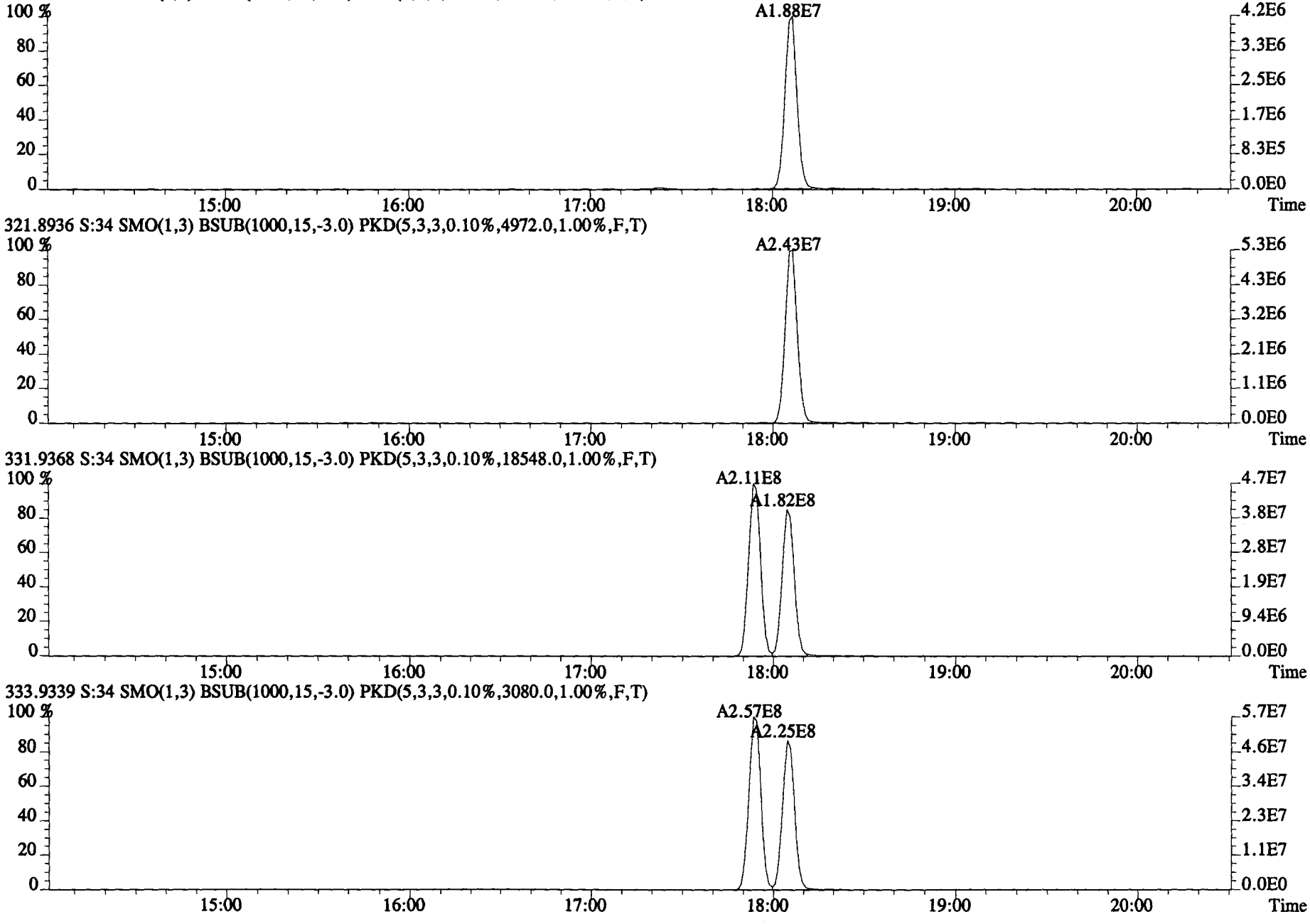
315.9419 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10112.0,1.00%,F,T)



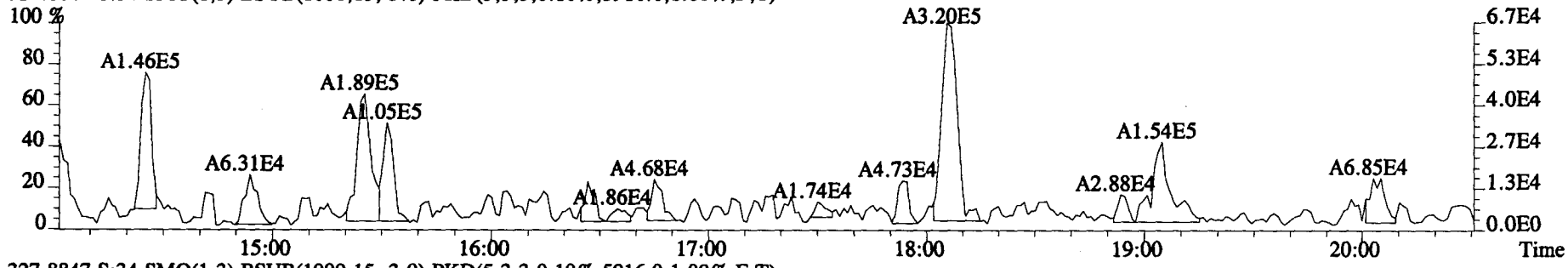
317.9389 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14500.0,1.00%,F,T)



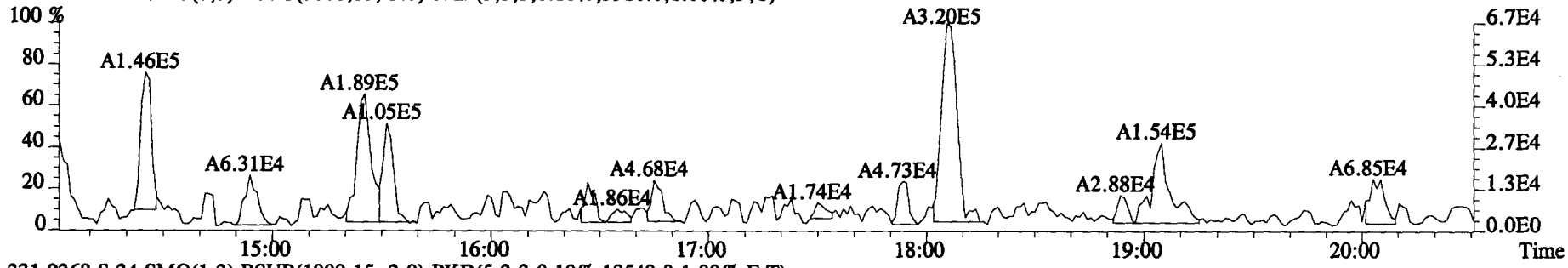
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES



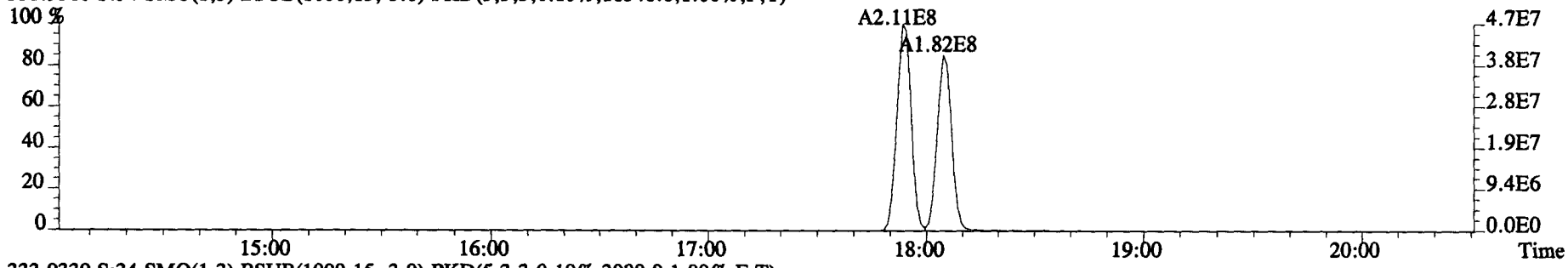
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
327.8847 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5916.0,1.00%,F,T)



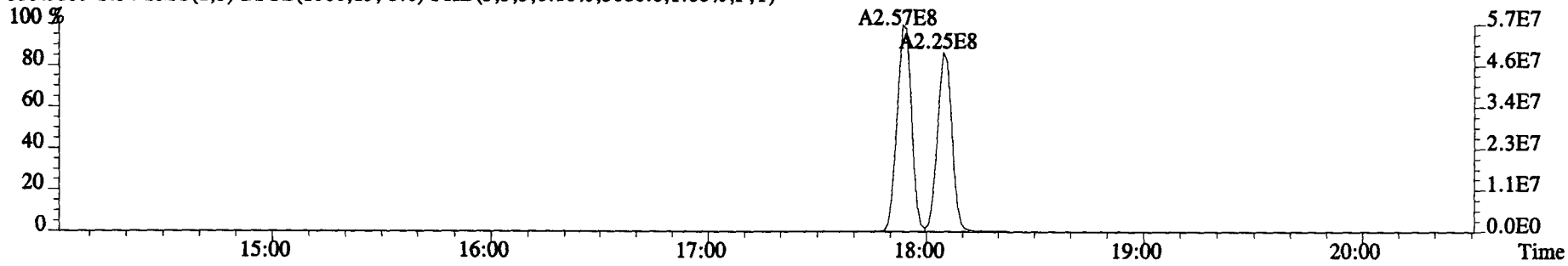
327.8847 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5916.0,1.00%,F,T)



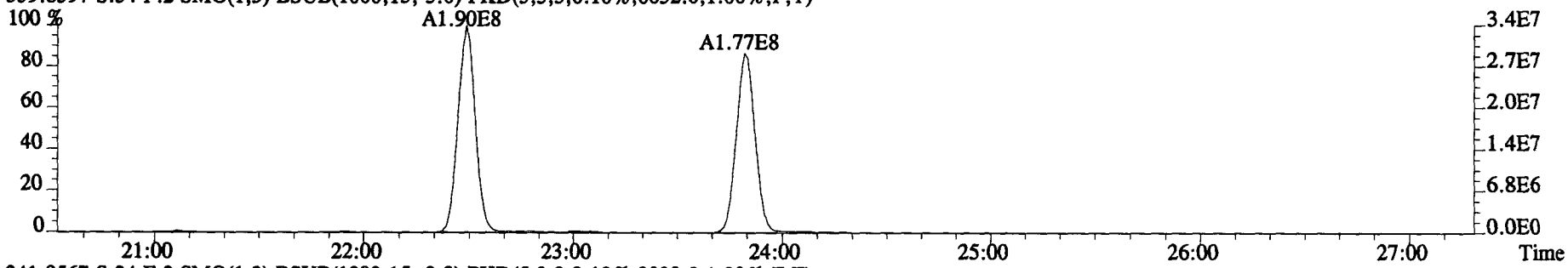
331.9368 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18548.0,1.00%,F,T)



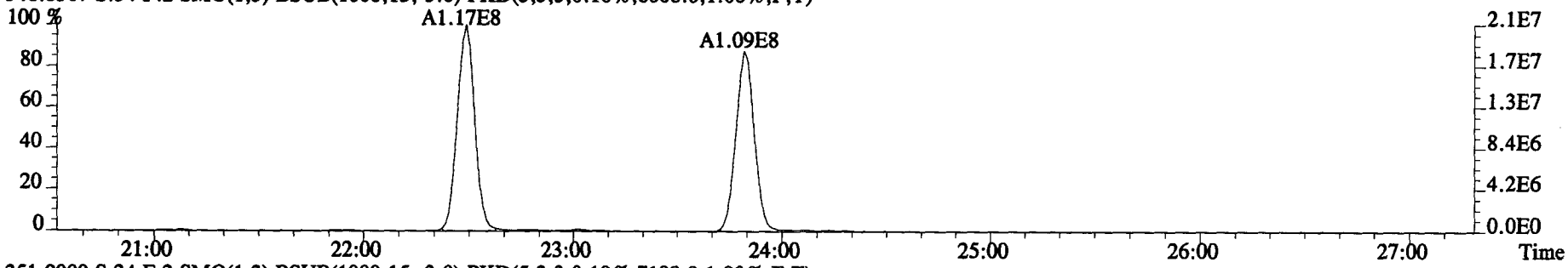
333.9339 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3080.0,1.00%,F,T)



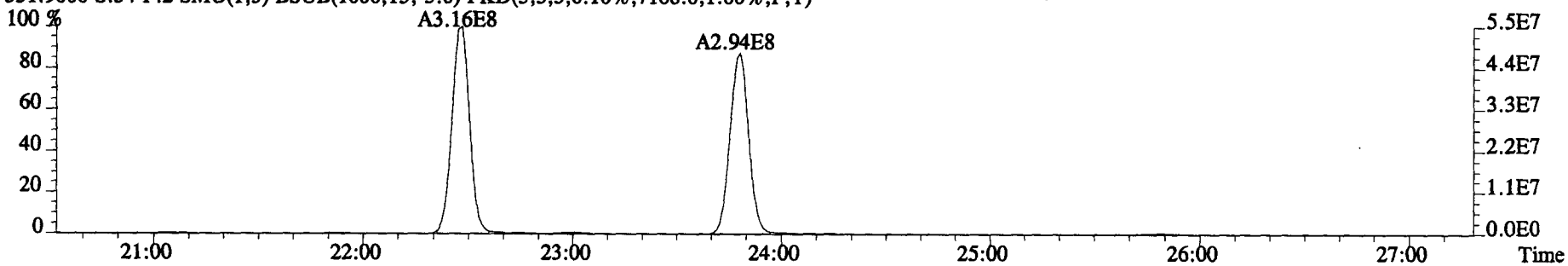
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
339.8597 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6632.0,1.00%,F,T)



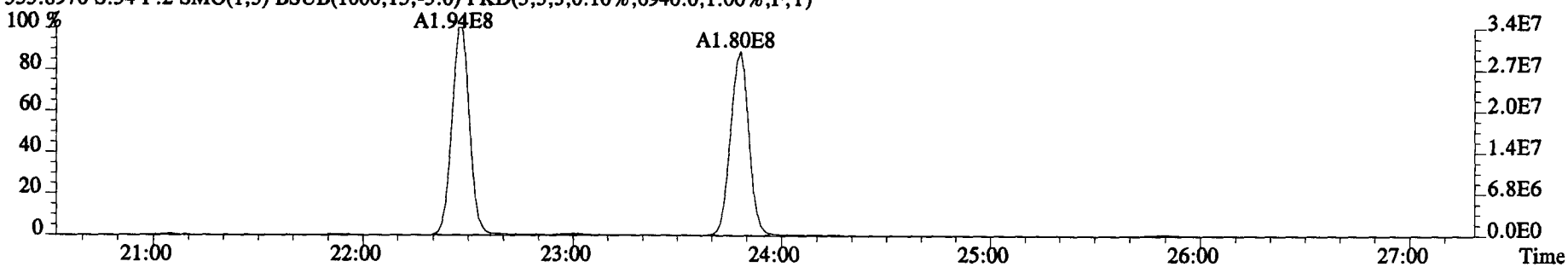
341.8567 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8008.0,1.00%,F,T)



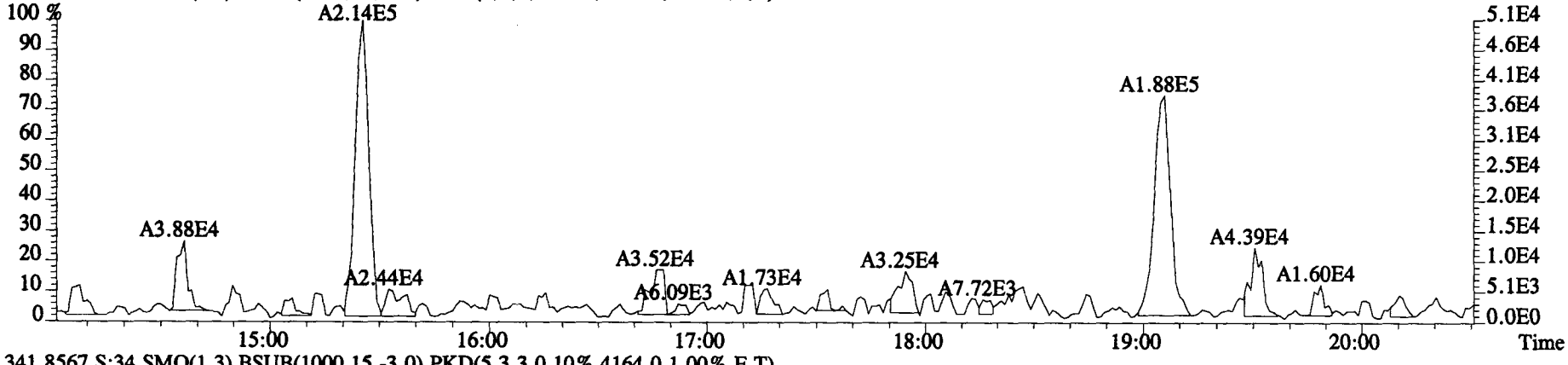
351.9000 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7188.0,1.00%,F,T)



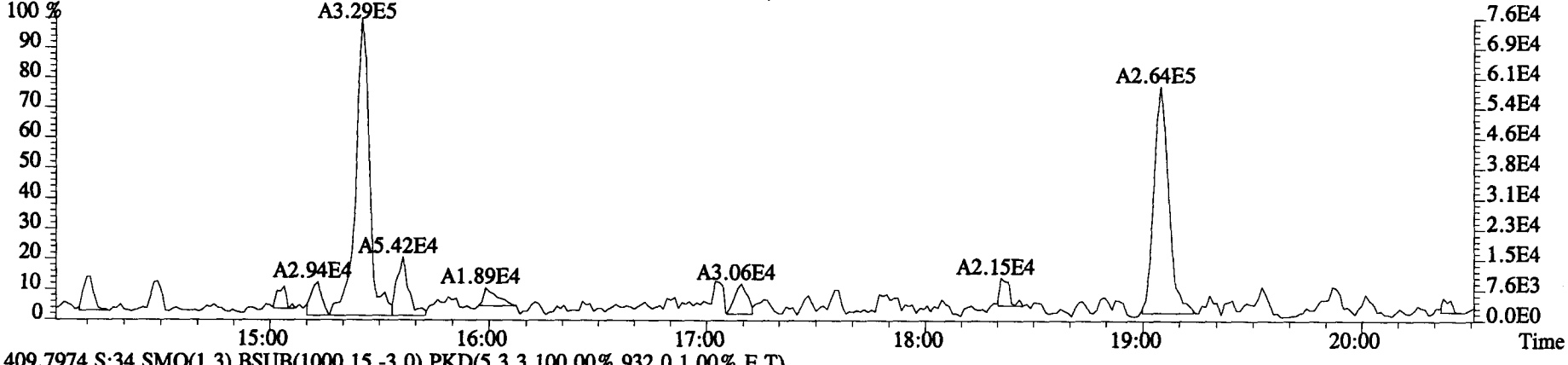
353.8970 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6940.0,1.00%,F,T)



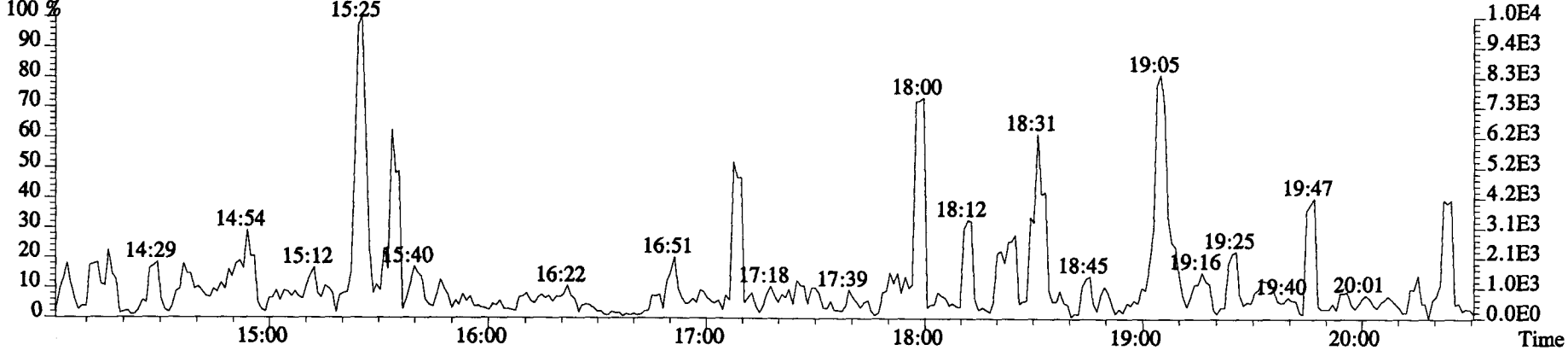
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
339.8597 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2500.0,1.00%,F,T)



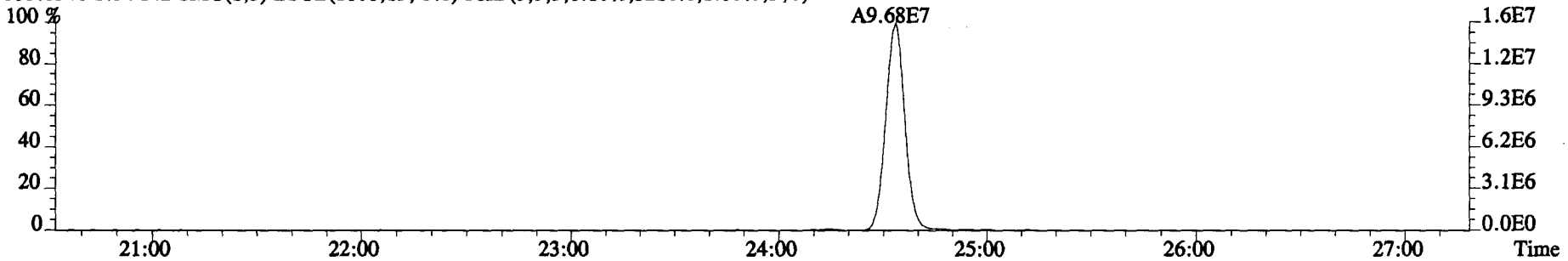
341.8567 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4164.0,1.00%,F,T)



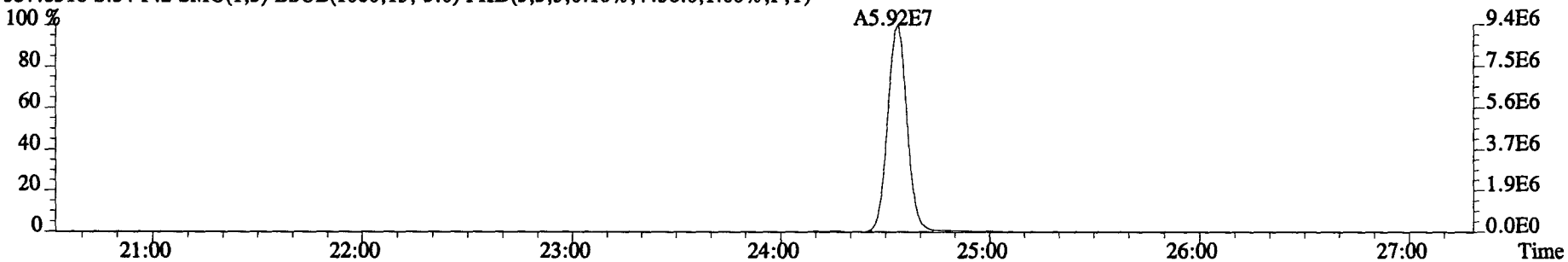
409.7974 S:34 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,932.0,1.00%,F,T)



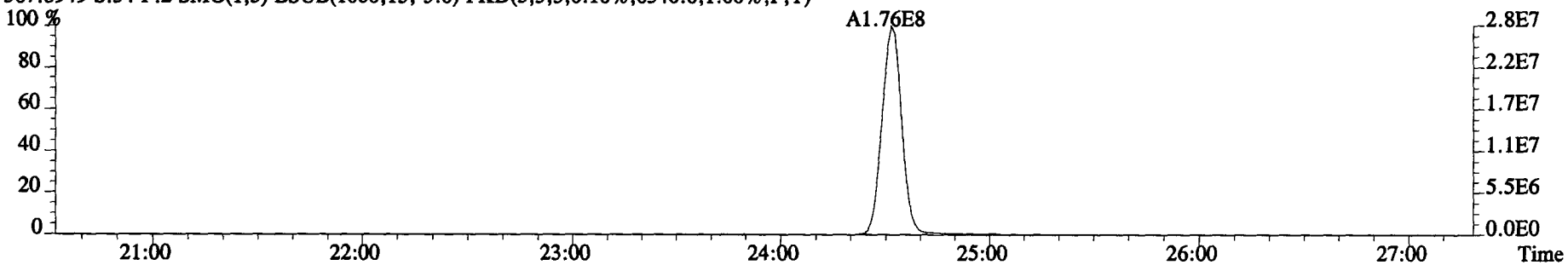
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
355.8546 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5216.0,1.00%,F,T)



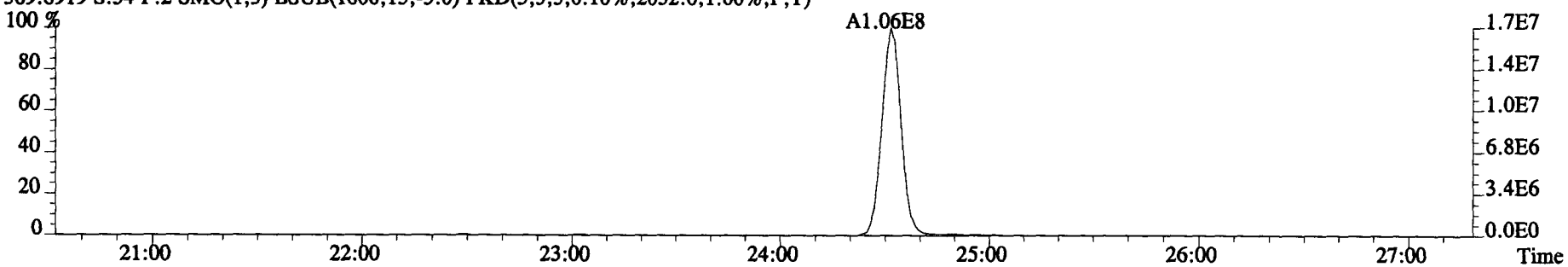
357.8516 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



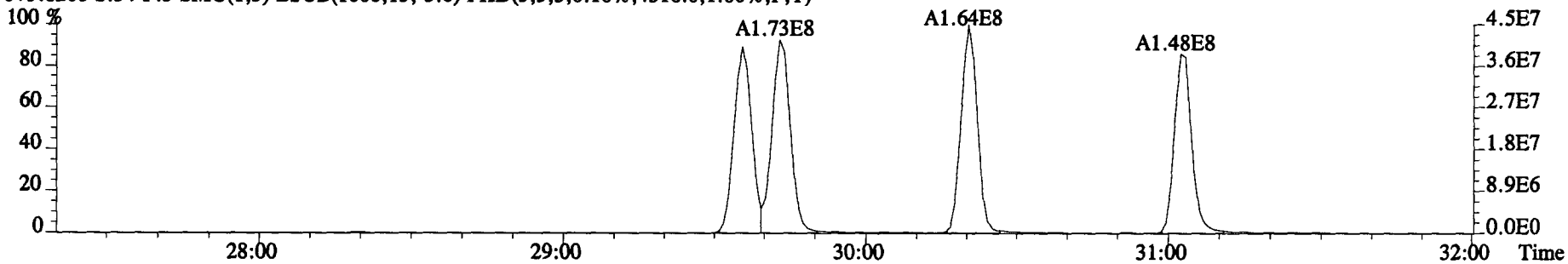
367.8949 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6340.0,1.00%,F,T)



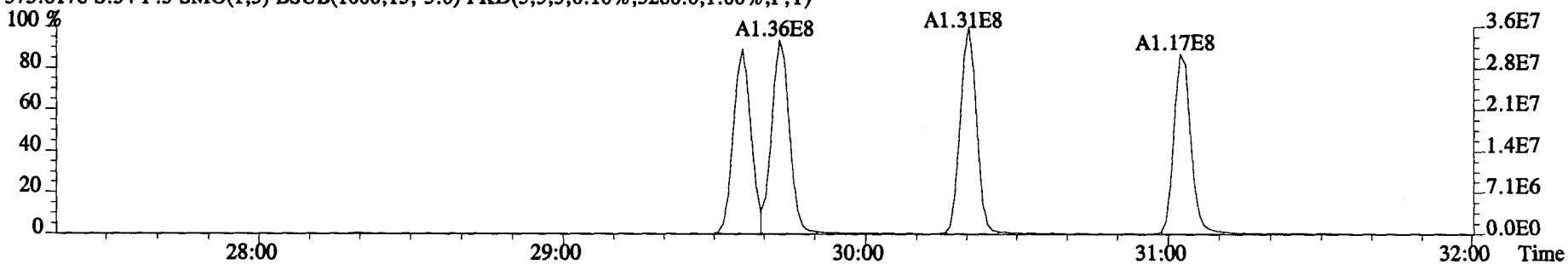
369.8919 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2032.0,1.00%,F,T)



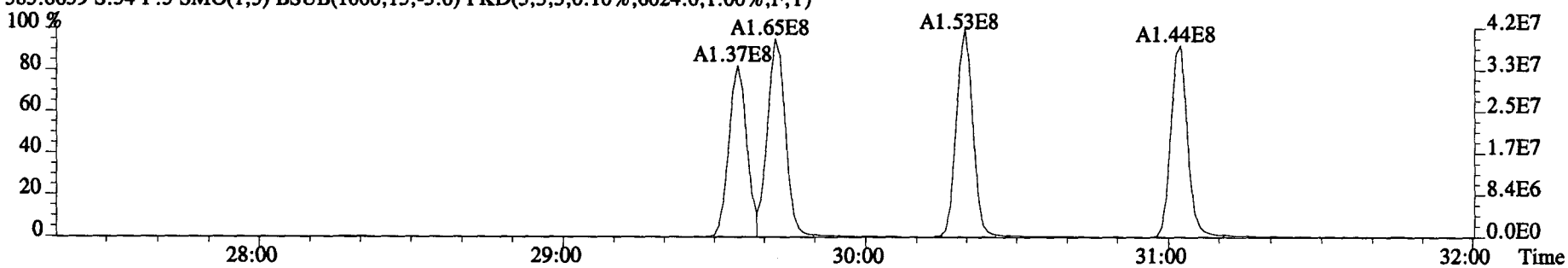
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
373.8208 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4316.0,1.00%,F,T)



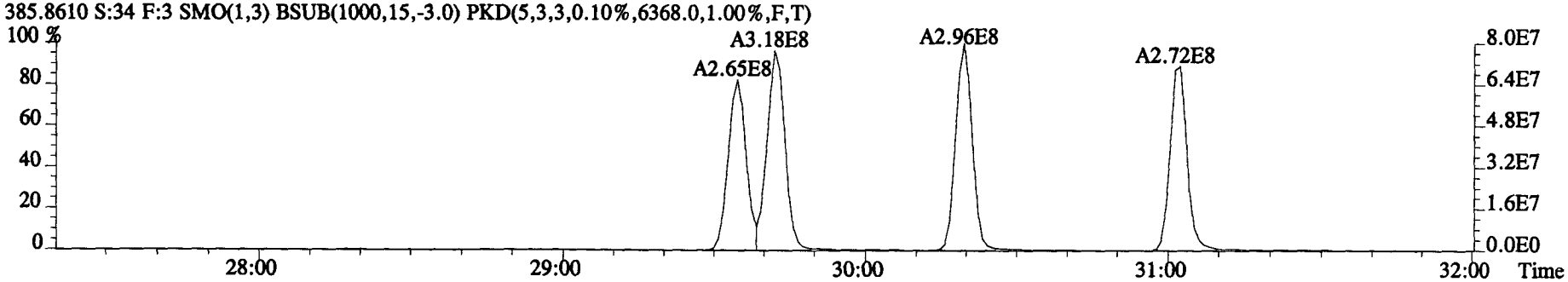
375.8178 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3280.0,1.00%,F,T)



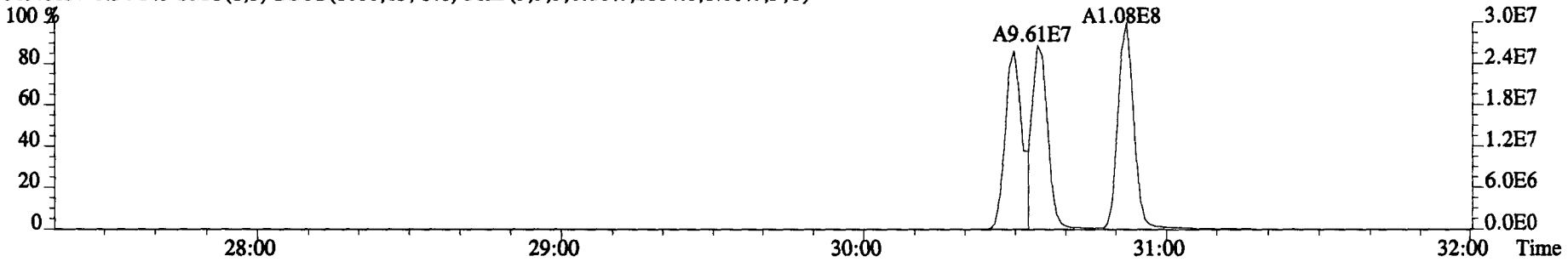
383.8639 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6024.0,1.00%,F,T)



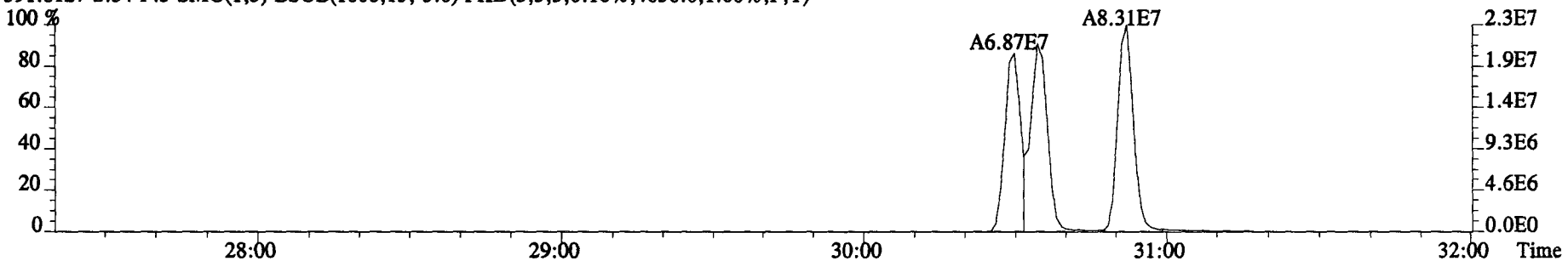
385.8610 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6368.0,1.00%,F,T)



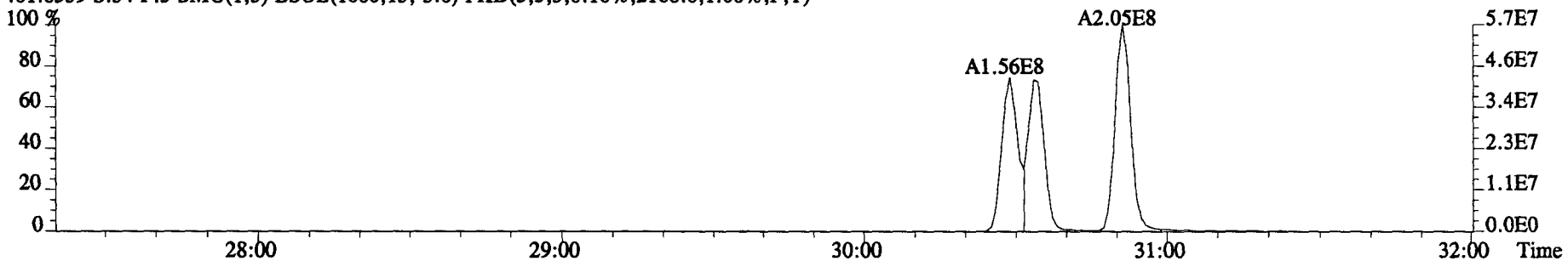
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
389.8157 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2884.0,1.00%,F,T)



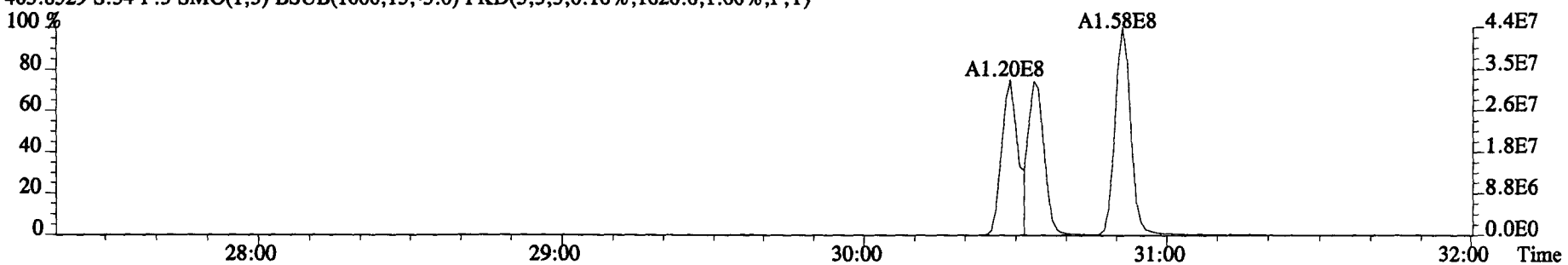
391.8127 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4656.0,1.00%,F,T)



401.8559 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2168.0,1.00%,F,T)

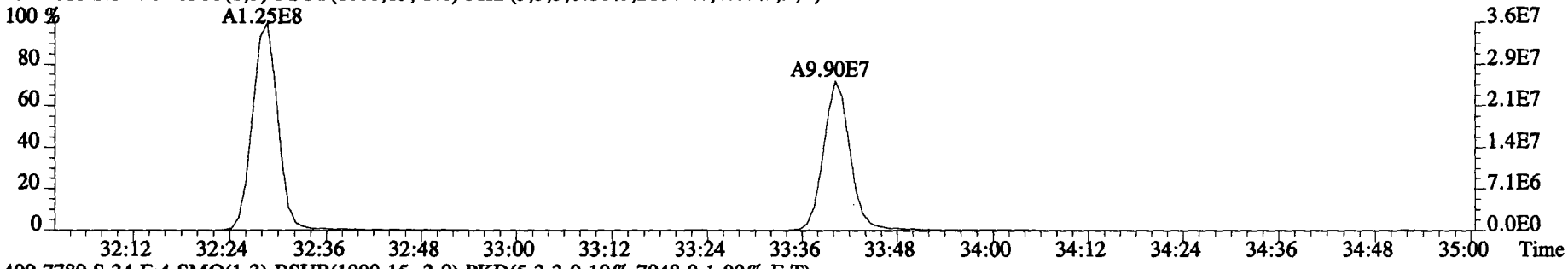


403.8529 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1620.0,1.00%,F,T)

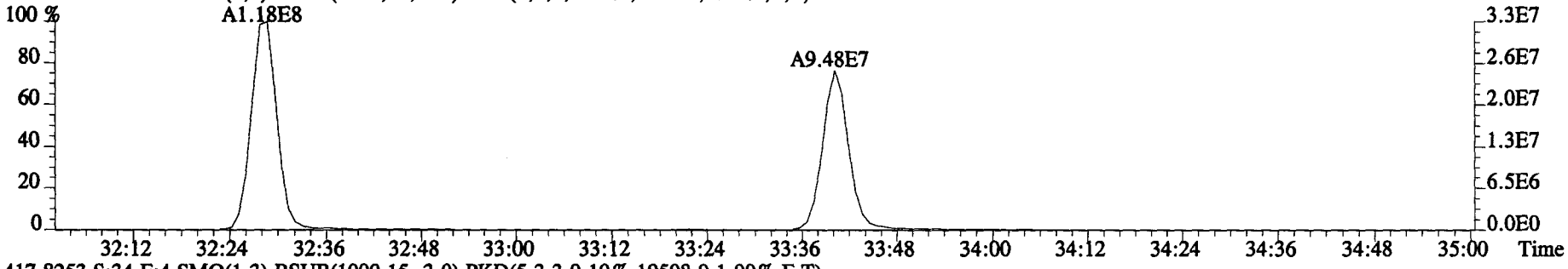


File:22SE10B1D5 #1-203 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES

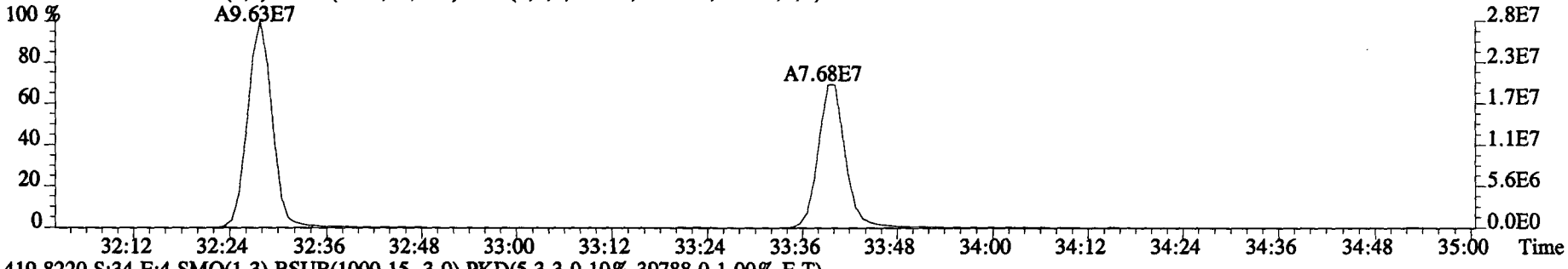
407.7818 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21644.0,1.00%,F,T)



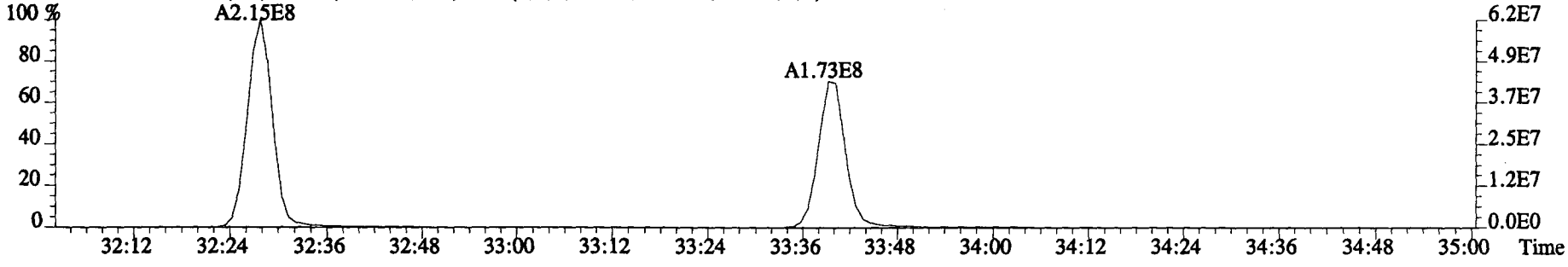
409.7789 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7948.0,1.00%,F,T)



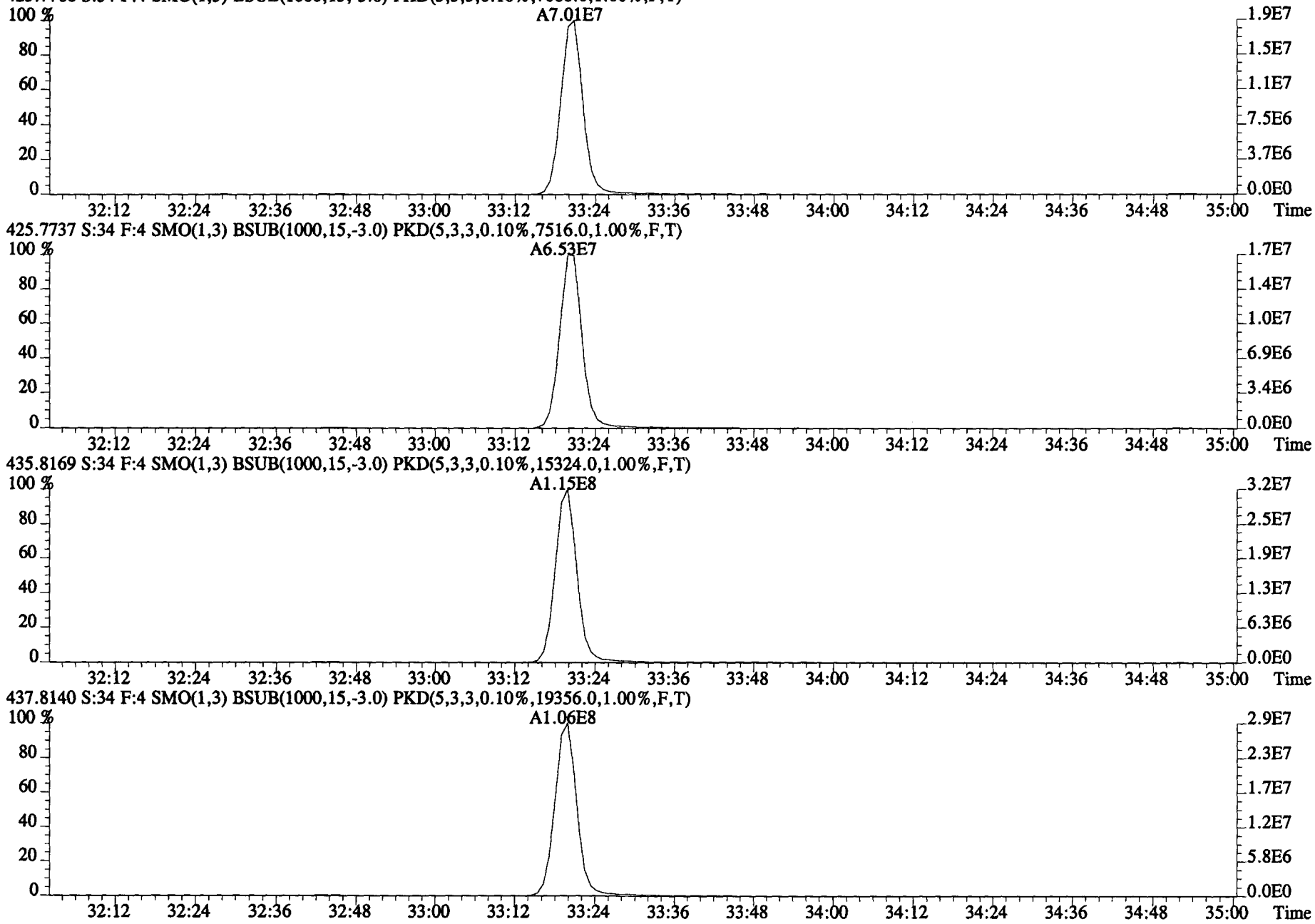
417.8253 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19508.0,1.00%,F,T)



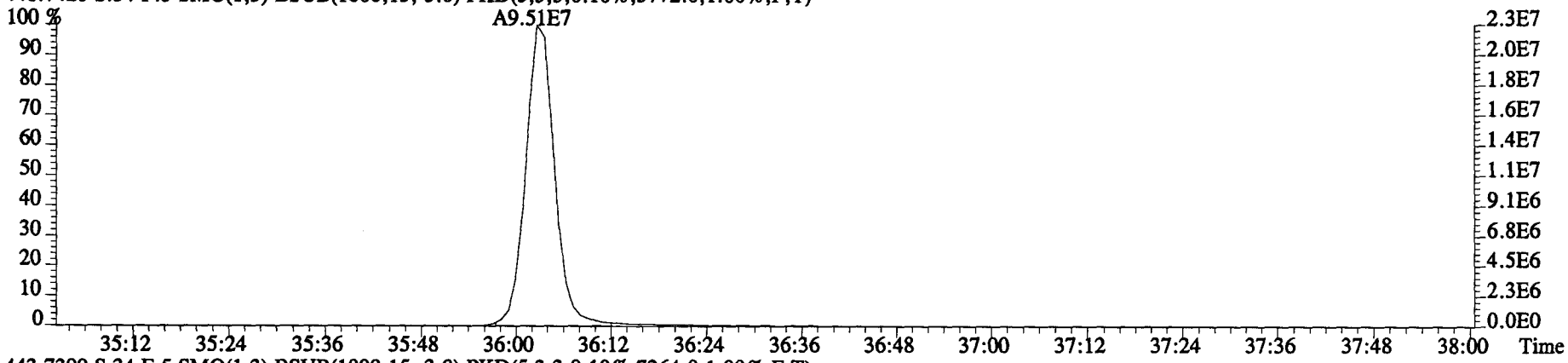
419.8220 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39788.0,1.00%,F,T)



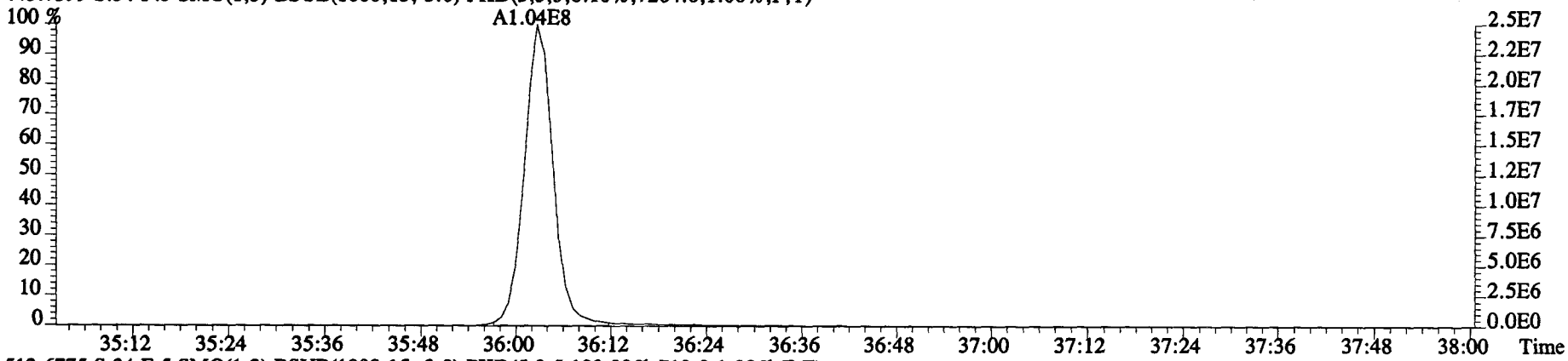
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES



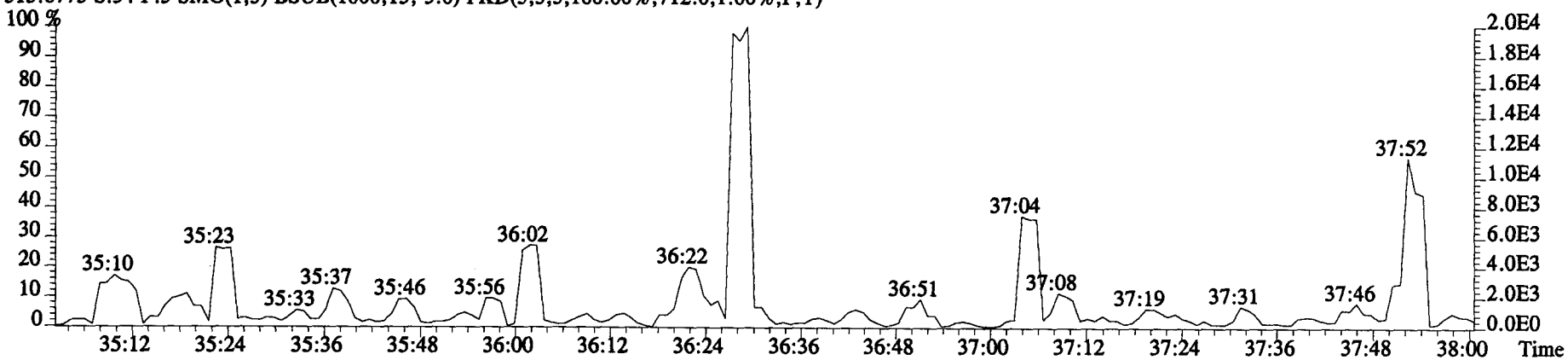
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
441.7428 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)



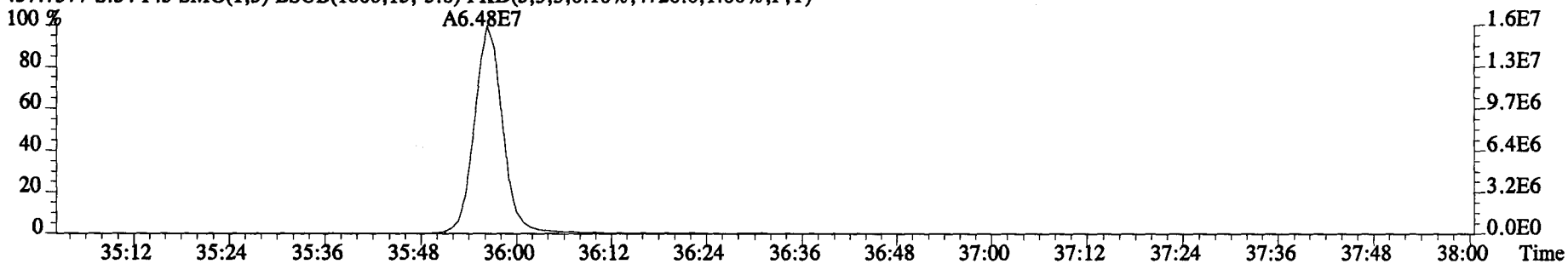
443.7399 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7264.0,1.00%,F,T)



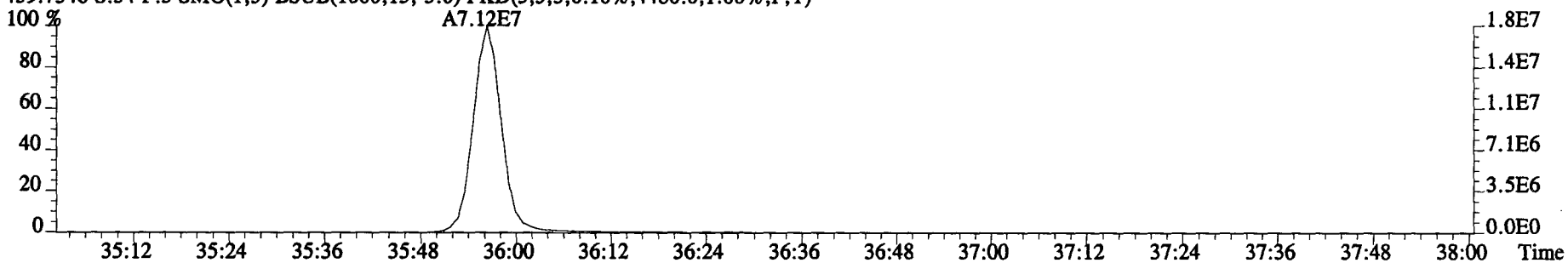
513.6775 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,712.0,1.00%,F,T)



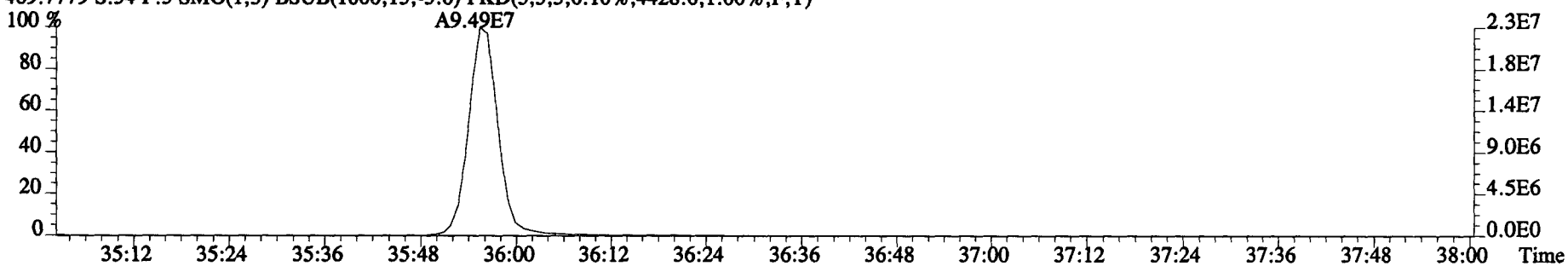
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
457.7377 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4720.0,1.00%,F,T)



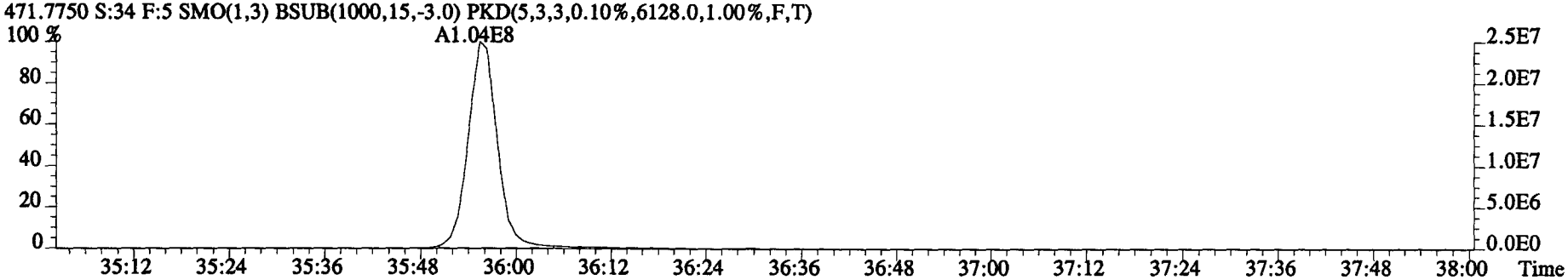
459.7348 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4480.0,1.00%,F,T)



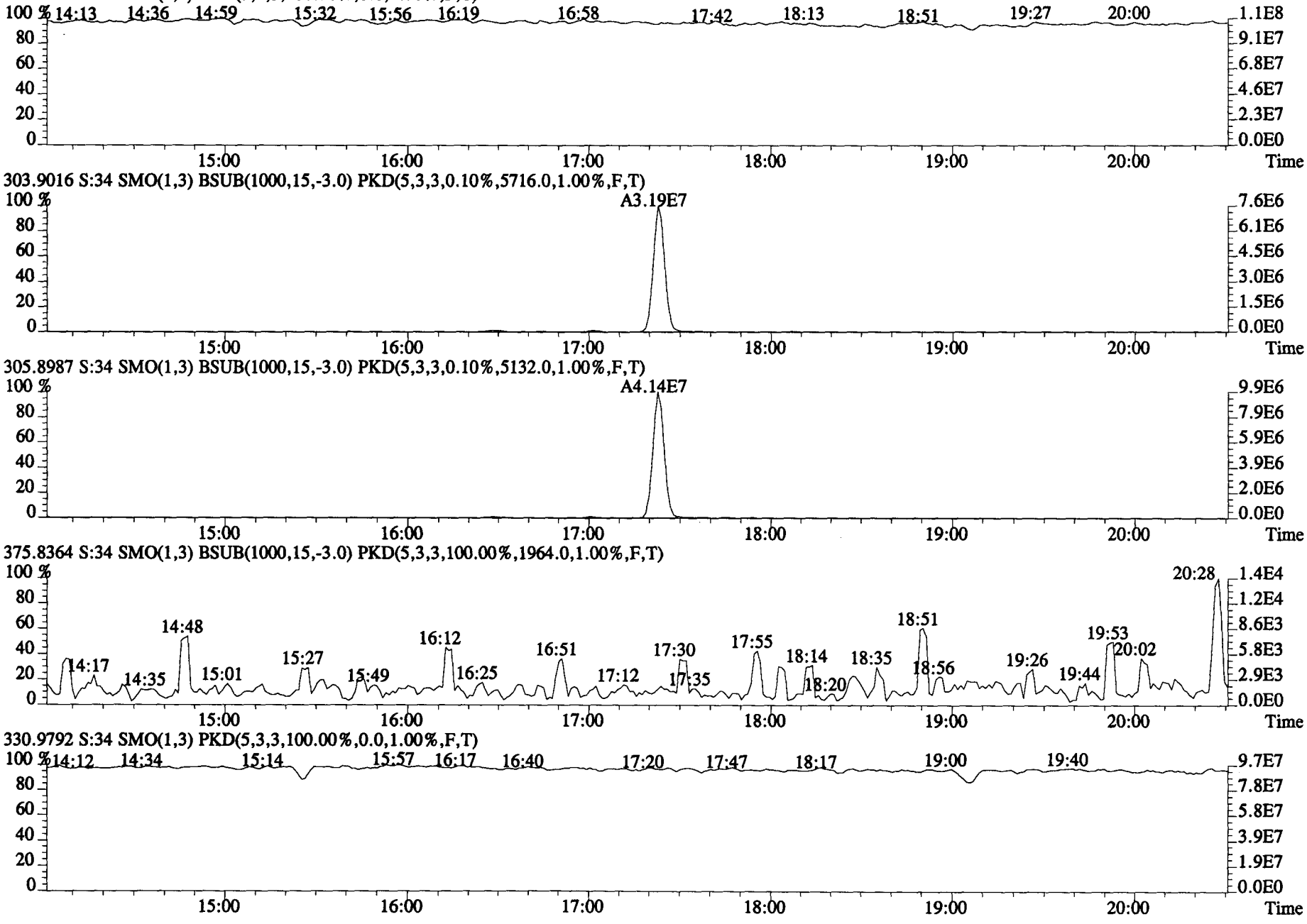
469.7779 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4428.0,1.00%,F,T)



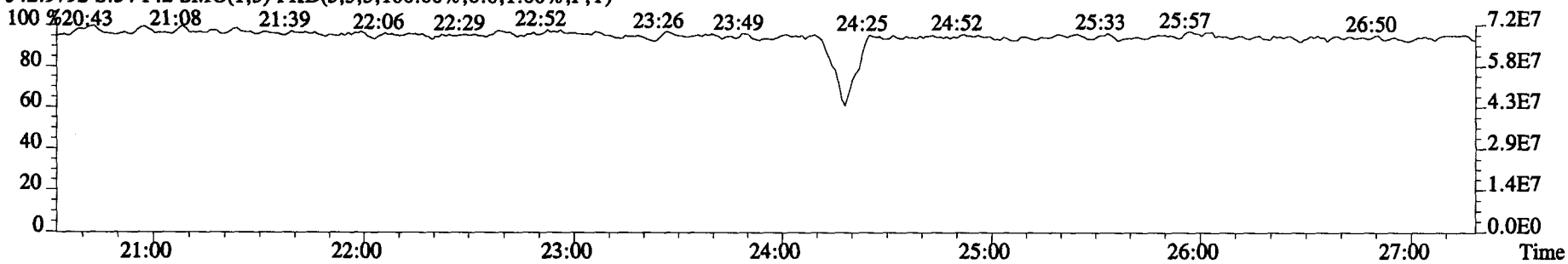
471.7750 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6128.0,1.00%,F,T)



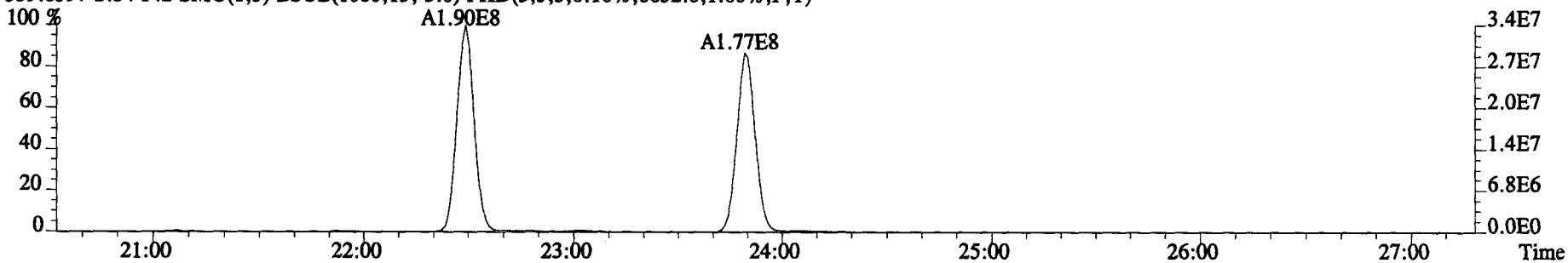
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES



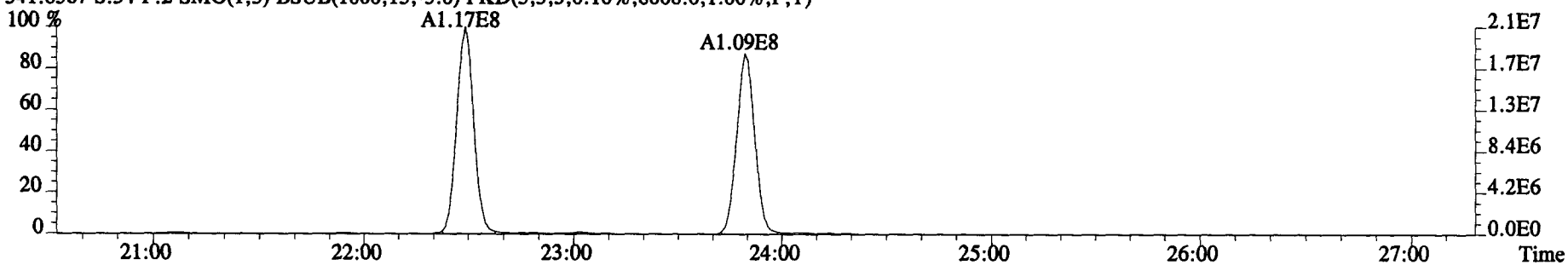
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
342.9792 S:34 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



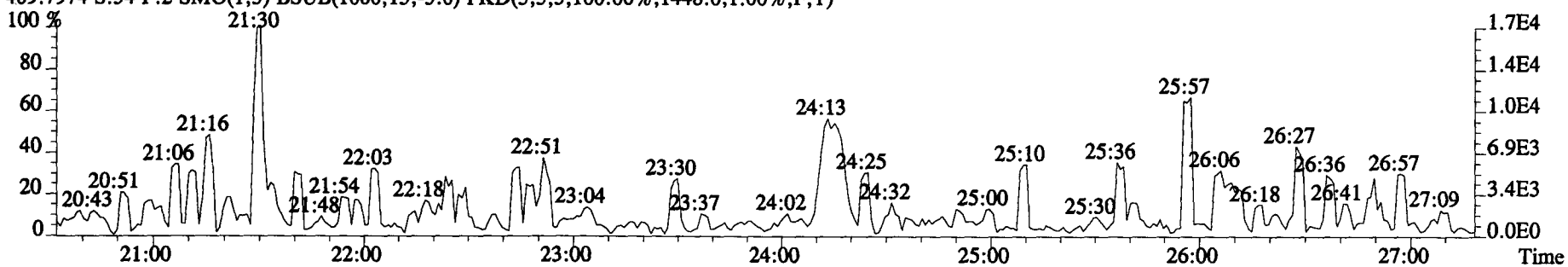
339.8597 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6632.0,1.00%,F,T)



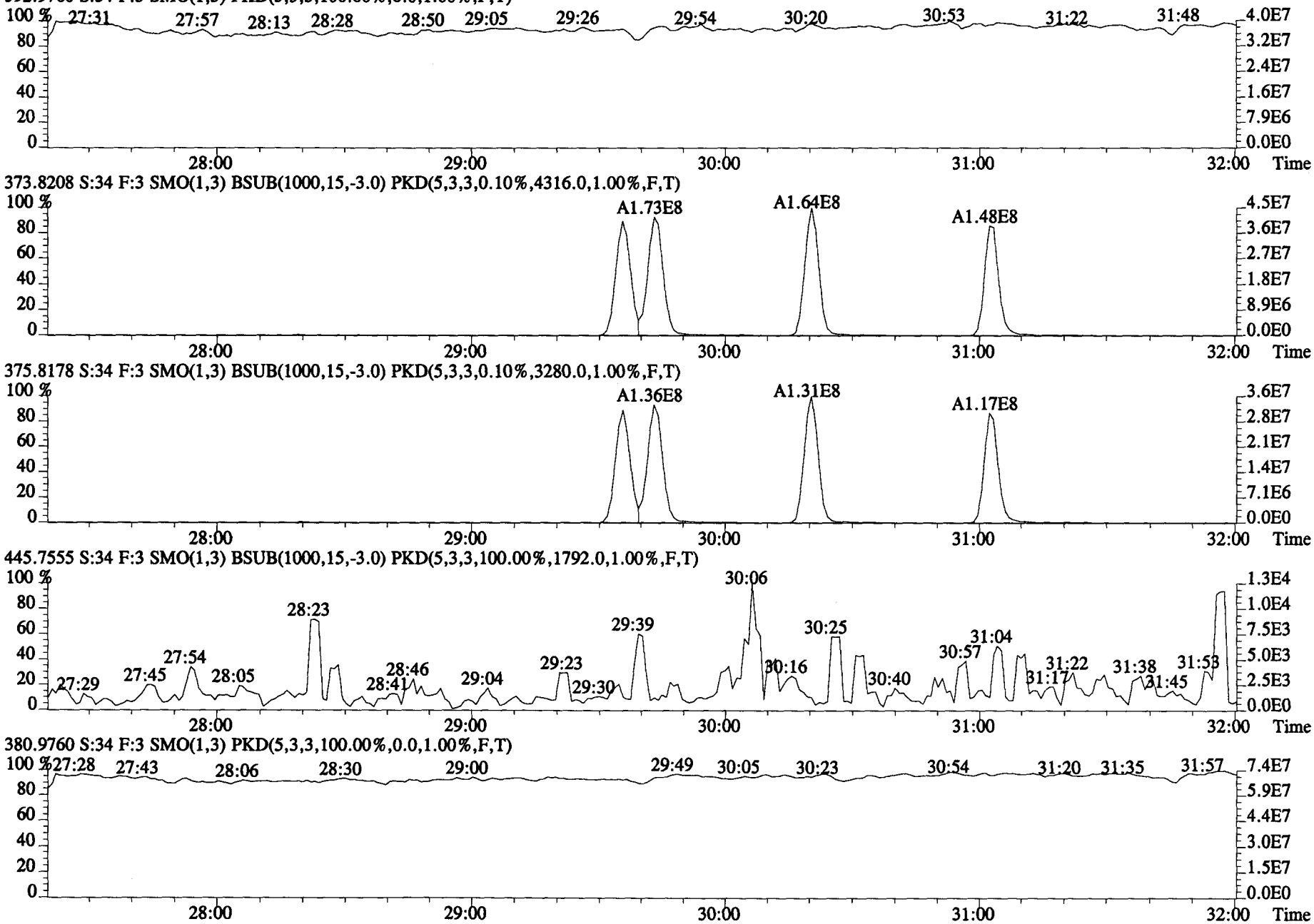
341.8567 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8008.0,1.00%,F,T)



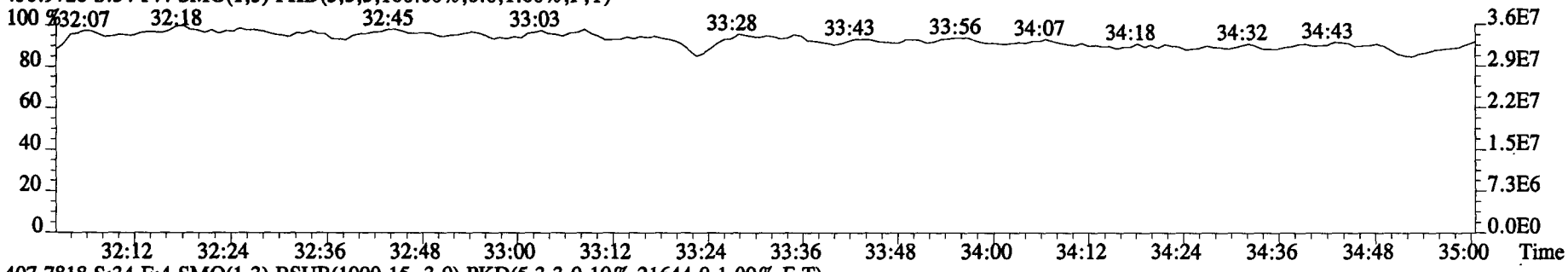
409.7974 S:34 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1448.0,1.00%,F,T)



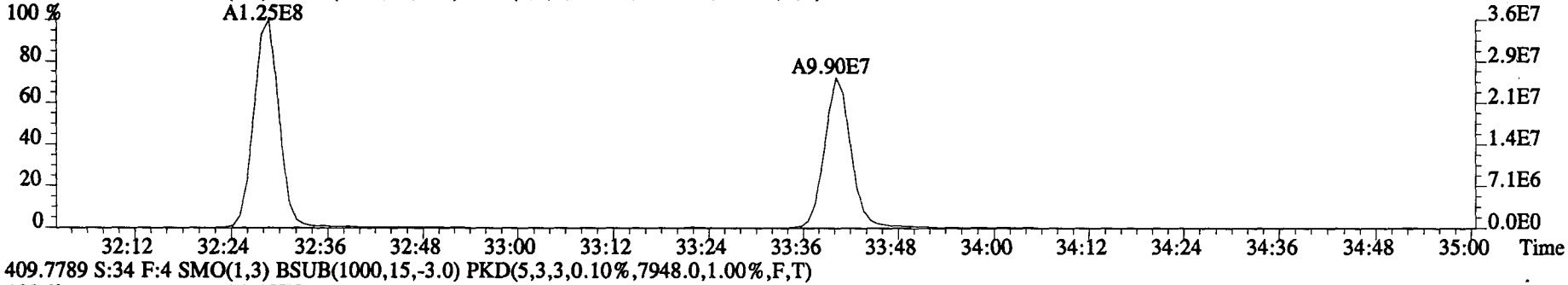
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES



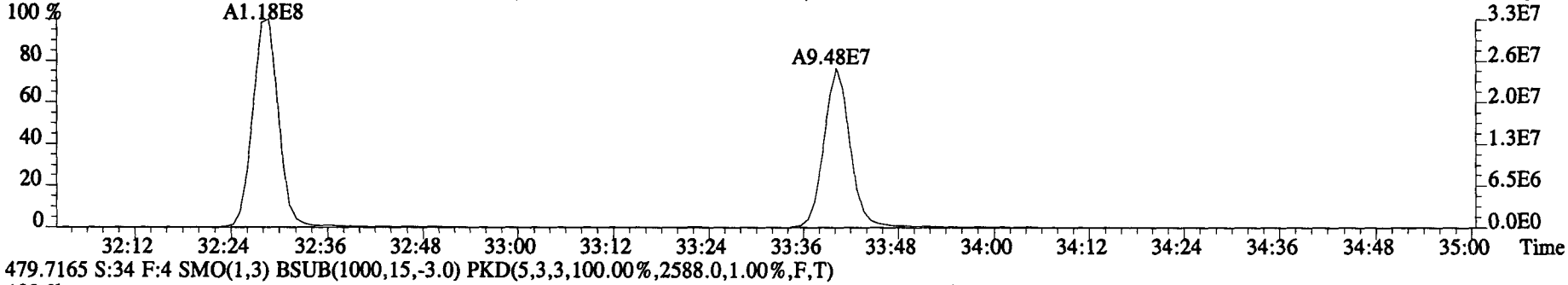
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
430.9728 S:34 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



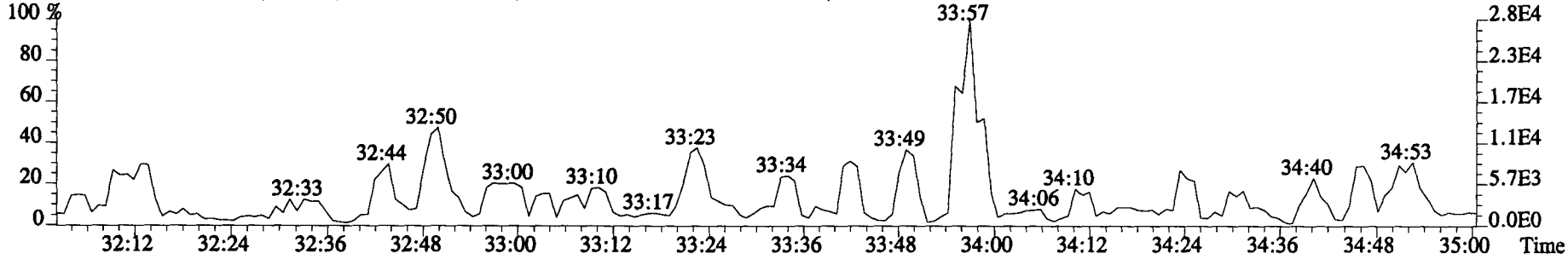
407.7818 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21644.0,1.00%,F,T)



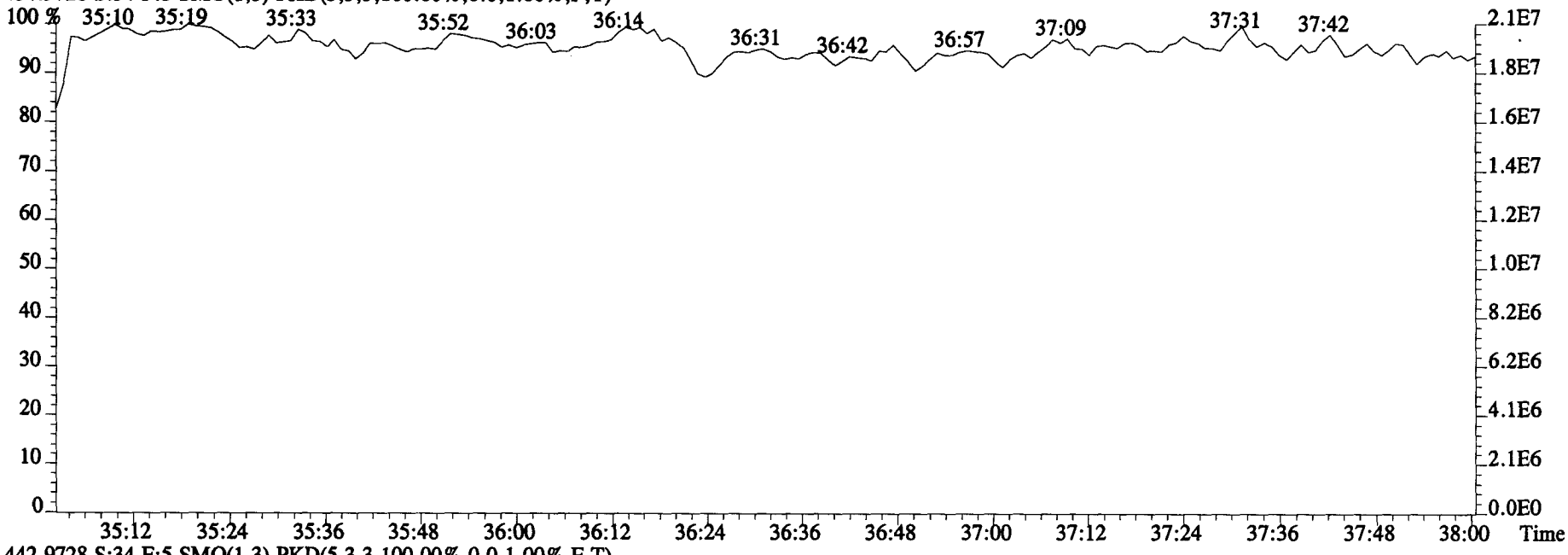
409.7789 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7948.0,1.00%,F,T)



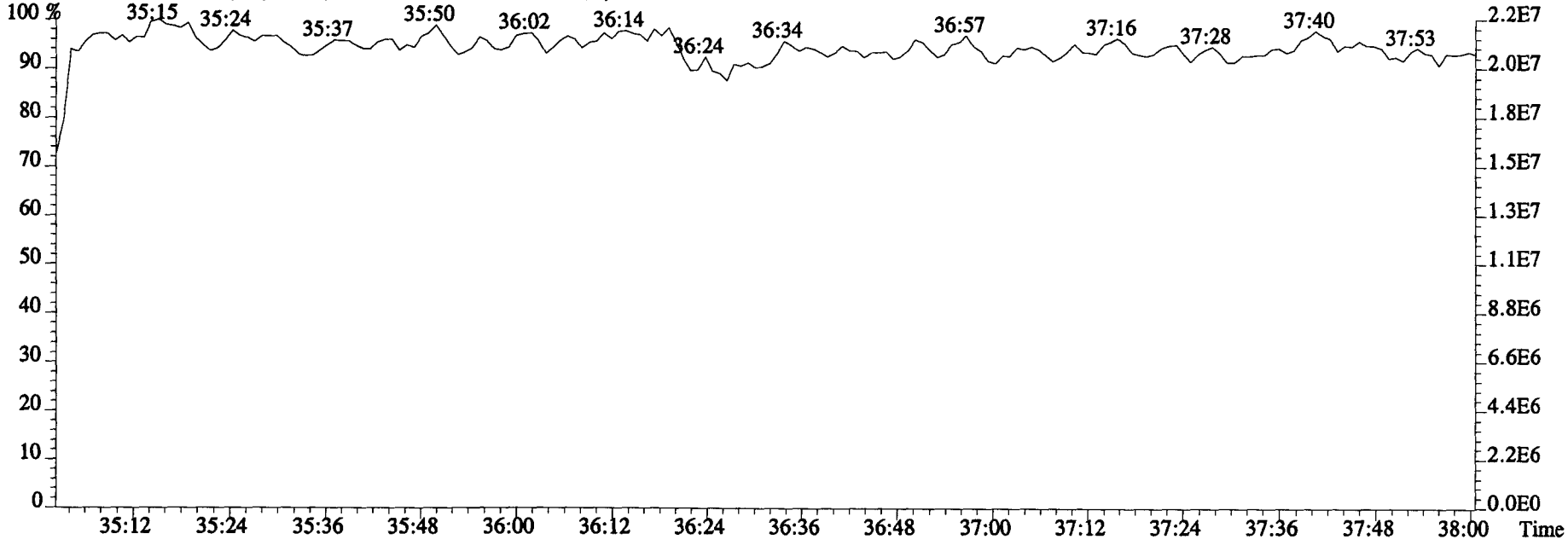
479.7165 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2588.0,1.00%,F,T)



File:22SE10B1D5 #1-196 Acq:23-SEP-2010 23:16:40 GC EI+ Voltage SIR 70SE
Sample#34 Text:L674R-1-ACC :G0I180489-1LCS Exp:DIOXINRES
454.9728 S:34 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:34 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L674R-1-ADL Sample text: L674R-1-ADL :G0I180489-1DCS
Run #9 Filename: 22SE10B1D5 S: 35 I: 1 Results: 22SE10B1D5TO9
Acquired: 23-SEP-10 23:59:37 Processed: 24-SEP-10 08:34:23
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

VB 9.24.5

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	414987000	0.82	y	17:55	-	237.52	-	-	n
13C-2,3,7,8-TCDF	594764000	0.81	y	17:23	1.56	3667.69	1.28	91.7	n
2,3,7,8-TCDF	63734000	0.78	y	17:24	0.98	435.71	0.80	-	n
Total TCDF	64761820	0.98	n	16:29	0.98	442.74	0.80	-	n
13C-2,3,7,8-TCDD	341655000	0.84	y	18:06	0.92	3576.07	3.27	89.4	n
2,3,7,8-TCDD	38589200	0.78	y	18:07	1.03	437.93	1.32	-	n
Total TCDD	38770784	5.67	n	17:23	1.03	439.99	1.32	-	n
37Cl-2,3,7,8-TCDD	559738	1.00	y	18:07	1.23	5.34	1.26	0.3	n
13C-1,2,3,7,8-PeCDF	431011000	1.64	y	22:29	1.05	3947.01	2.38	98.7	n
1,2,3,7,8-PeCDF	273269000	1.63	y	22:31	1.09	2322.07	1.85	-	n
2,3,4,7,8-PeCDF	257993600	1.60	y	23:51	1.02	2352.75	1.99	-	n
Total F2 PeCDF	539797131	1.57	y	21:07	1.05	4749.90	1.92	-	n
Total F1 PeCDF	614590	1.77	y	14:17	1.05	5.41	1.01	-	n
13C-1,2,3,7,8-PeCDD	248581900	1.70	y	24:34	0.56	4272.04	2.32	106.8	n
1,2,3,7,8-PeCDD	140045000	1.68	y	24:36	1.07	2105.41	2.52	-	n
Total PeCDD	140679085	2.54	n	24:17	1.07	2114.94	2.52	-	n
13C-1,2,3,7,8,9-HxCDD	350905000	1.28	y	30:52	-	213.82	-	-	n
13C-1,2,3,4,7,8-HxCDF	375152000	0.53	y	29:36	0.99	4315.91	4.50	107.9	n
1,2,3,4,7,8-HxCDF	276249000	1.26	y	29:37	1.26	2335.91	0.86	-	n
1,2,3,6,7,8-HxCDF	302744000	1.25	y	29:44	1.53	2108.23	0.71	-	n
2,3,4,6,7,8-HxCDF	275423000	1.27	y	30:22	1.41	2086.69	0.77	-	n
1,2,3,7,8,9-HxCDF	248565000	1.28	y	31:04	1.40	1898.31	0.78	-	n
Total HxCDF	1103602529	1.34	y	28:21	1.40	8433.88	0.78	-	n
13C-1,2,3,6,7,8-HxCDD	255280000	1.31	y	30:35	0.74	3935.10	0.73	98.4	n
1,2,3,4,7,8-HxCDD	159478200	1.34	y	30:31	1.12	2231.54	1.20	-	y
1,2,3,6,7,8-HxCDD	180525000	1.27	y	30:36	1.14	2478.66	1.17	-	y
1,2,3,7,8,9-HxCDD	179913100	1.31	y	30:53	1.35	2082.30	0.99	-	n
Total HxCDD	520497692	1.34	y	30:31	1.20	6800.06	1.11	-	y
13C-1,2,3,4,6,7,8-HpCDF	293828800	0.45	y	32:29	0.96	3503.15	7.10	87.6	n
1,2,3,4,6,7,8-HpCDF	237504000	1.06	y	32:30	1.41	2296.08	3.71	-	n
1,2,3,4,7,8,9-HpCDF	184214500	1.06	y	33:41	1.24	2029.31	4.22	-	n
Total HpCDF	421718500	1.06	y	32:30	1.32	4325.39	3.95	-	n
13C-1,2,3,4,6,7,8-HpCDD	205913400	1.06	y	33:21	0.71	3295.75	4.29	82.4	n
1,2,3,4,6,7,8-HpCDD	129298200	1.05	y	33:22	1.13	2214.23	2.38	-	n
Total HpCDD	129875188	1.09	y	32:46	1.13	2224.11	2.38	-	n
13C-OCDD	182786600	0.93	y	35:57	0.35	5907.83	3.16	73.8	n

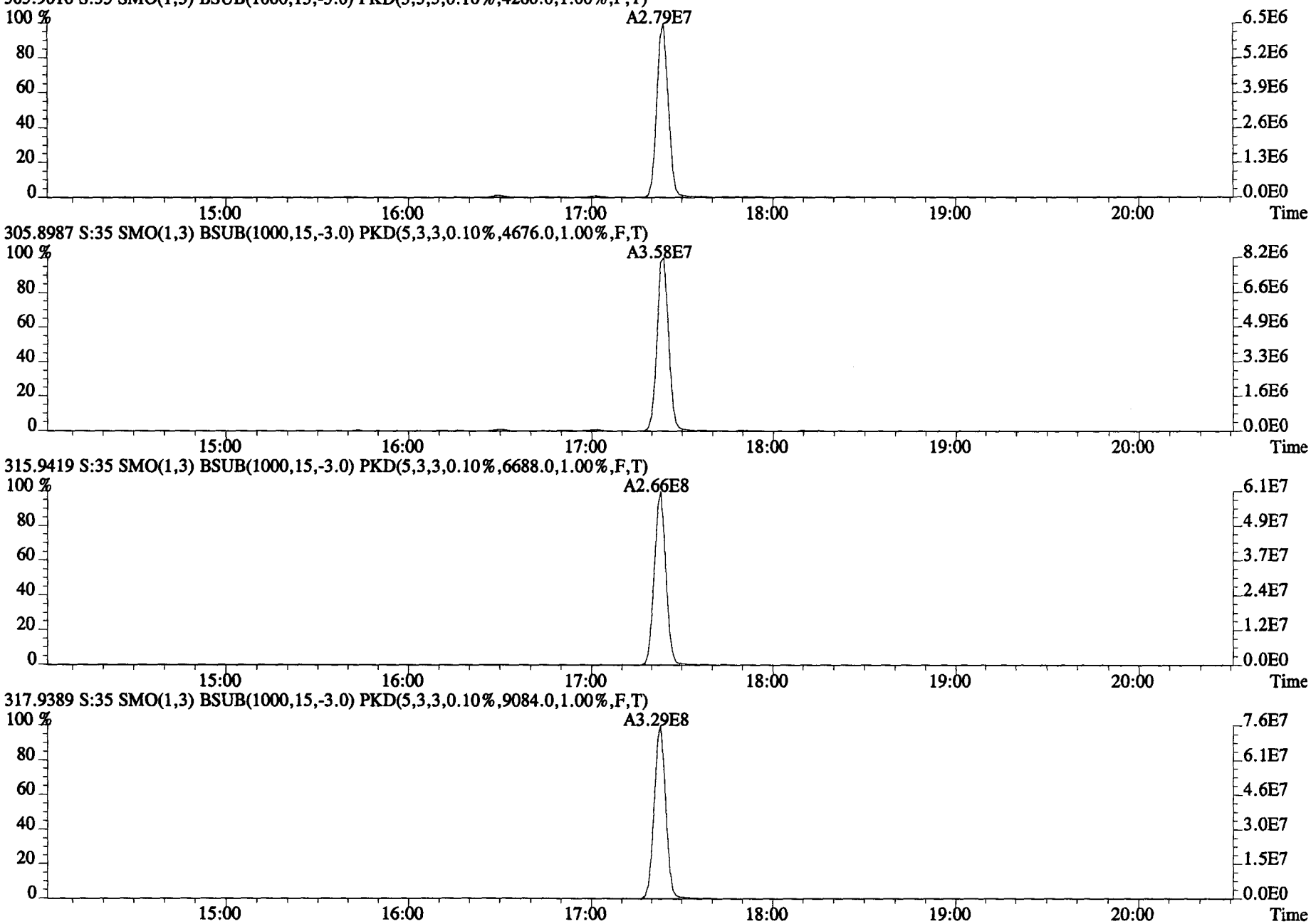
OCDF	191823200	0.91	y	36:05	2.12	3964.79	2.71	- n
OCDD	128712500	0.92	y	35:57	1.37	4108.61	4.50	- n

Run text: L674R-1-ADL Sample text: L674R-1-ADL ;G0I180489-1DCS
Run #9 Filename: 22SE10B1D5 S: 35 I: 1 Results: 22SE10B1D5TO9
Acquired: 23-SEP-10 23:59:37 Processed: 24-SEP-10 08:34:23
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

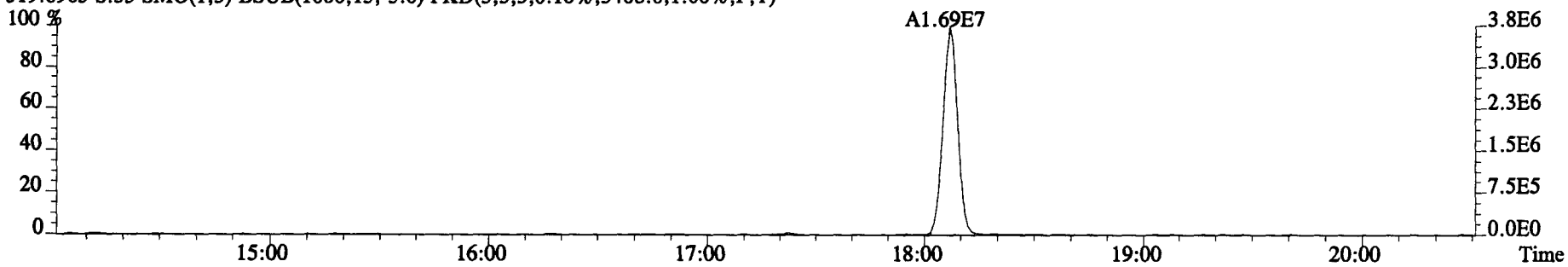
AK 9/24/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	414987000	0.82	y	17:55	-	237.52	-	-	n
13C-2,3,7,8-TCDF	594764000	0.81	y	17:23	1.56	3667.69	1.28	91.7	n
2,3,7,8-TCDF	63734000	0.78	y	17:24	0.98	435.71	0.80	-	n
Total TCDF	64761820	0.98	n	16:29	0.98	442.74	0.80	-	n
13C-2,3,7,8-TCDD	341655000	0.84	y	18:06	0.92	3576.07	3.27	89.4	n
2,3,7,8-TCDD	38589200	0.78	y	18:07	1.03	437.93	1.32	-	n
Total TCDD	38770784	5.67	n	17:23	1.03	439.99	1.32	-	n
37Cl-2,3,7,8-TCDD	559738	1.00	y	18:07	1.23	5.34	1.26	0.3	n
13C-1,2,3,7,8-PeCDF	431011000	1.64	y	22:29	1.05	3947.01	2.38	98.7	n
1,2,3,7,8-PeCDF	273269000	1.63	y	22:31	1.09	2322.07	1.85	-	n
2,3,4,7,8-PeCDF	257993600	1.60	y	23:51	1.02	2352.75	1.99	-	n
Total F2 PeCDF	539797131	1.57	y	21:07	1.05	4749.90	1.92	-	n
Total F1 PeCDF	614590	1.77	y	14:17	1.05	5.41	1.01	-	n
13C-1,2,3,7,8-PeCDD	248581900	1.70	y	24:34	0.56	4272.04	2.32	106.8	n
1,2,3,7,8-PeCDD	140045000	1.68	y	24:36	1.07	2105.41	2.52	-	n
Total PeCDD	140679085	2.54	n	24:17	1.07	2114.94	2.52	-	n
13C-1,2,3,7,8,9-HxCDD	350905000	1.28	y	30:52	-	213.82	-	-	n
13C-1,2,3,4,7,8-HxCDF	375152000	0.53	y	29:36	0.99	4315.91	4.50	107.9	n
1,2,3,4,7,8-HxCDF	276249000	1.26	y	29:37	1.26	2335.91	0.86	-	n
1,2,3,6,7,8-HxCDF	302744000	1.25	y	29:44	1.53	2108.23	0.71	-	n
2,3,4,6,7,8-HxCDF	275423000	1.27	y	30:22	1.41	2086.69	0.77	-	n
1,2,3,7,8,9-HxCDF	248565000	1.28	y	31:04	1.40	1898.31	0.78	-	n
Total HxCDF	1103602529	1.34	y	28:21	1.40	8433.88	0.78	-	n
13C-1,2,3,6,7,8-HxCDD	255280000	1.31	y	30:35	0.74	3935.10	0.73	98.4	n
1,2,3,4,7,8-HxCDD	152954368	1.45	n	30:31	1.12	2140.25	1.20	-	n
1,2,3,6,7,8-HxCDD	173014400	1.18	y	30:36	1.14	2375.53	1.17	-	n
1,2,3,7,8,9-HxCDD	179913100	1.31	y	30:53	1.35	2082.30	0.99	-	n
Total HxCDD	506463258	1.45	n	30:31	1.20	6605.65	1.11	-	n
13C-1,2,3,4,6,7,8-HpCDF	293828800	0.45	y	32:29	0.96	3503.15	7.10	87.6	n
1,2,3,4,6,7,8-HpCDF	237504000	1.06	y	32:30	1.41	2296.08	3.71	-	n
1,2,3,4,7,8,9-HpCDF	184214500	1.06	y	33:41	1.24	2029.31	4.22	-	n
Total HpCDF	421718500	1.06	y	32:30	1.32	4325.39	3.95	-	n
13C-1,2,3,4,6,7,8-HpCDD	205913400	1.06	y	33:21	0.71	3295.75	4.29	82.4	n
1,2,3,4,6,7,8-HpCDD	129298200	1.05	y	33:22	1.13	2214.23	2.38	-	n
Total HpCDD	129875188	1.09	y	32:46	1.13	2224.11	2.38	-	n
13C-OCDD	182786600	0.93	y	35:57	0.35	5907.83	3.16	73.8	n
OCDF	191823200	0.91	y	36:05	2.12	3964.79	2.71	-	n
OCDD	128712500	0.92	y	35:57	1.37	4108.61	4.50	-	n

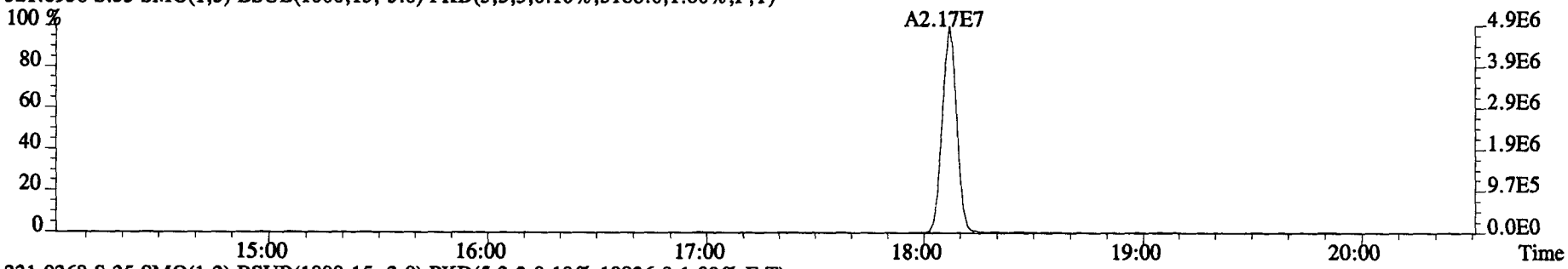
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES



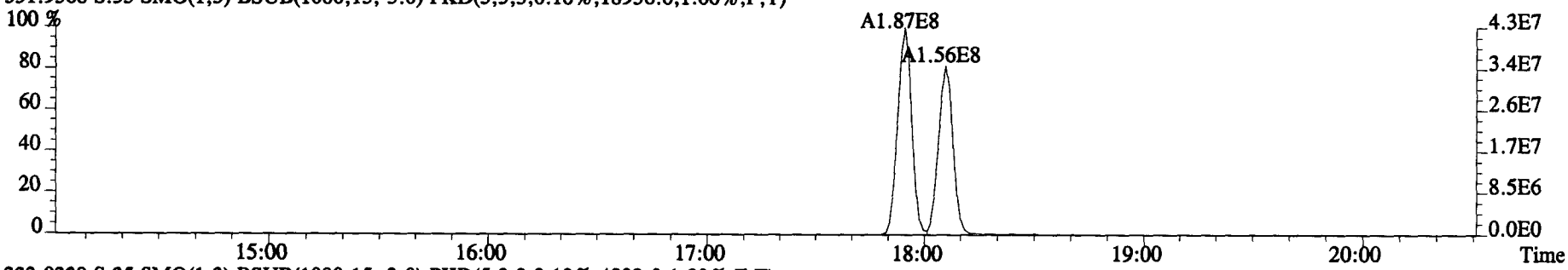
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
319.8965 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3408.0,1.00%,F,T)



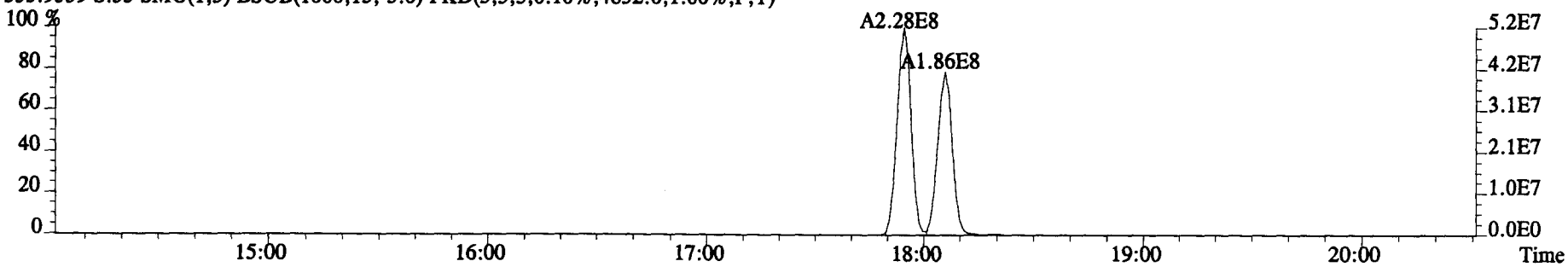
321.8936 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5188.0,1.00%,F,T)



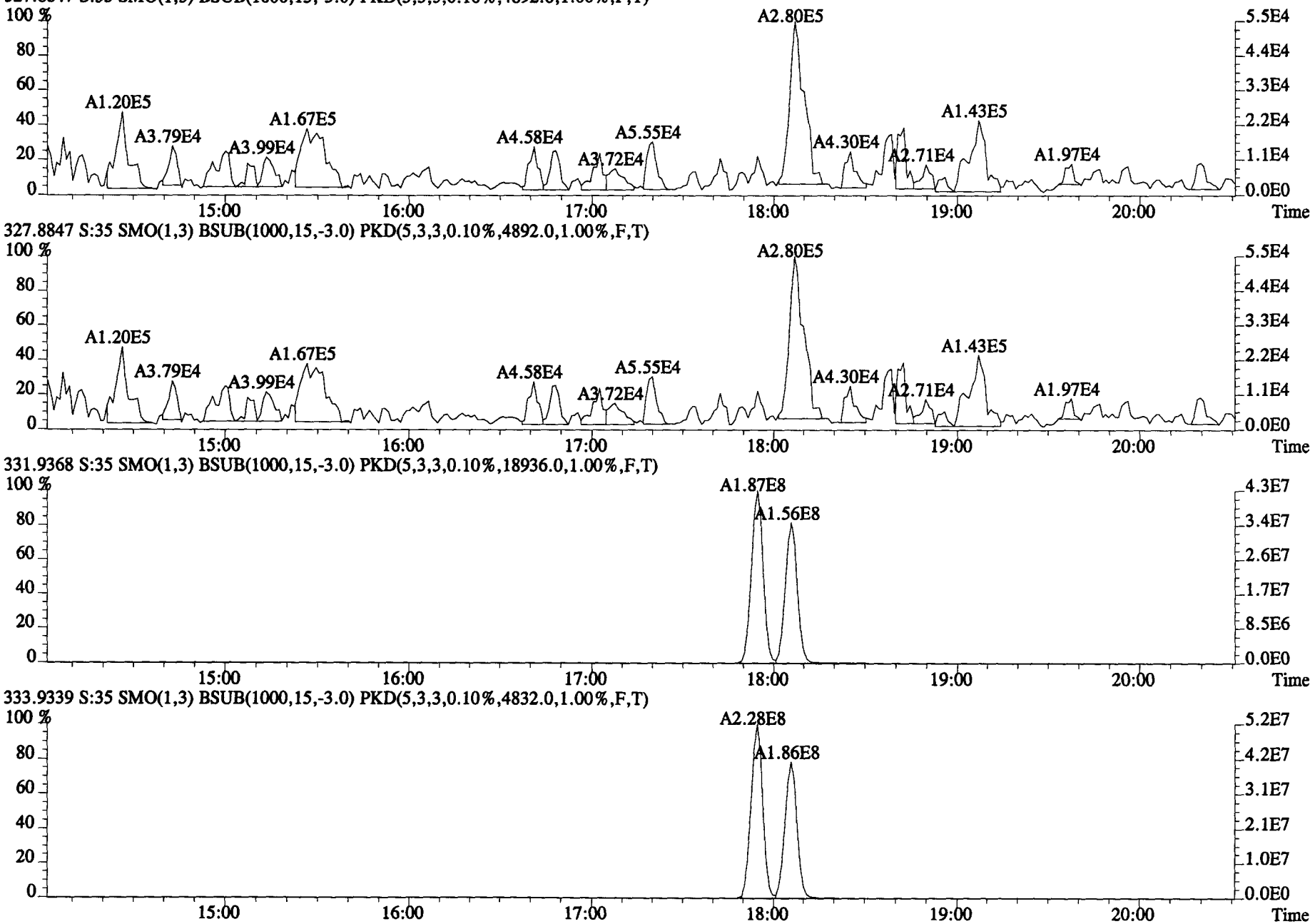
331.9368 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18936.0,1.00%,F,T)



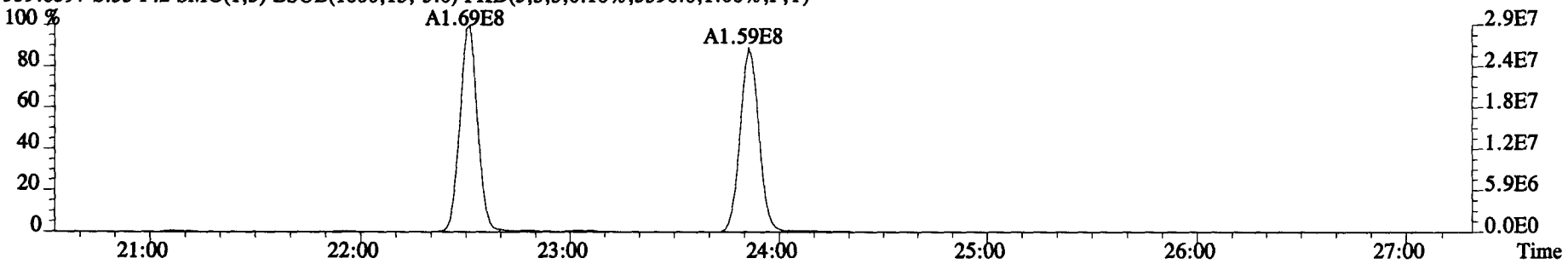
333.9339 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)



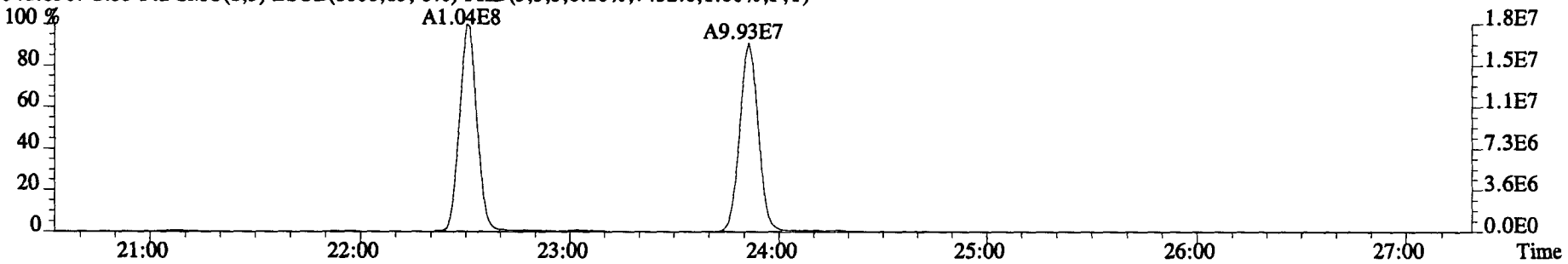
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES



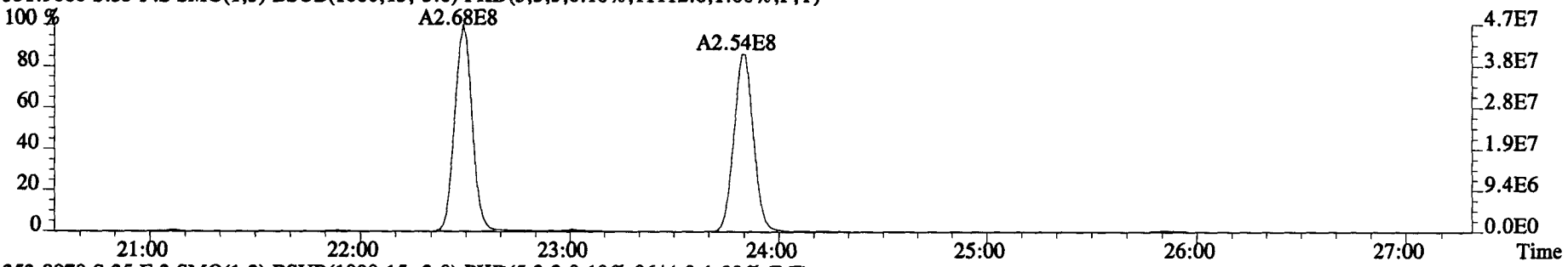
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
339.8597 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5396.0,1.00%,F,T)



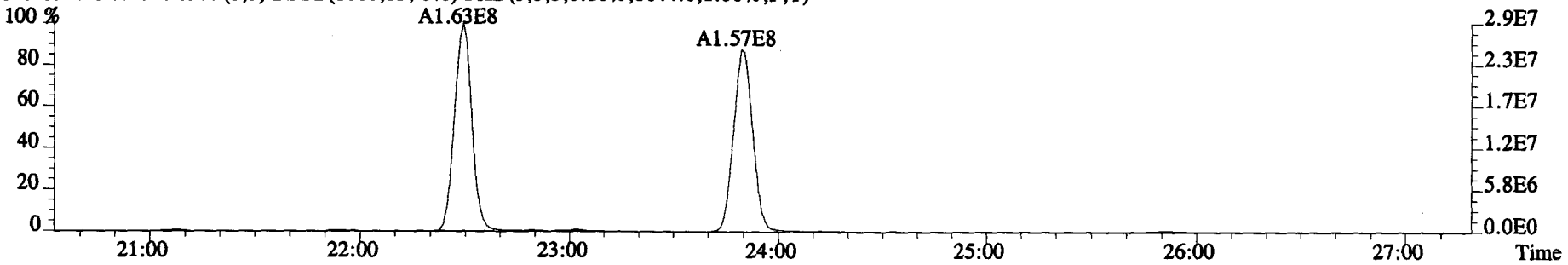
341.8567 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7452.0,1.00%,F,T)



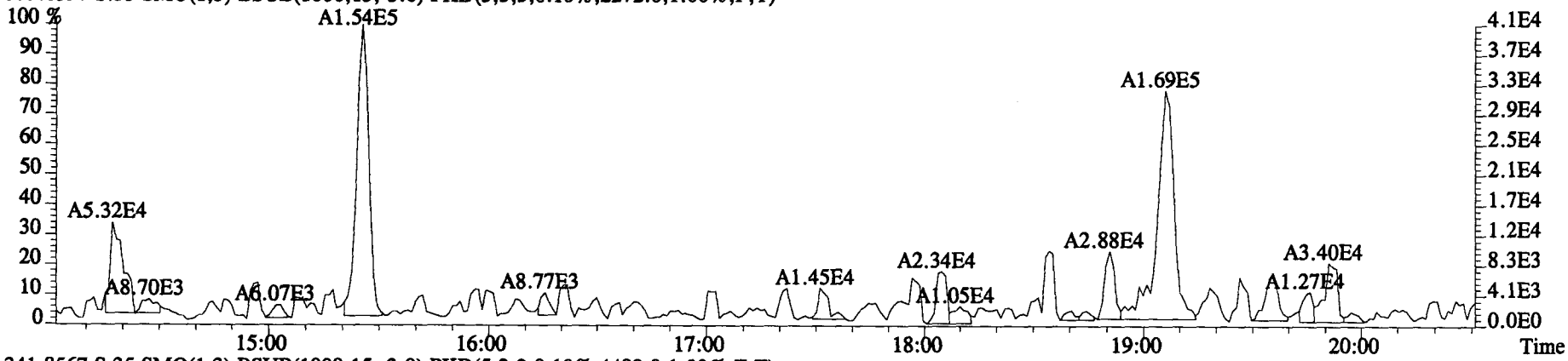
351.9000 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11112.0,1.00%,F,T)



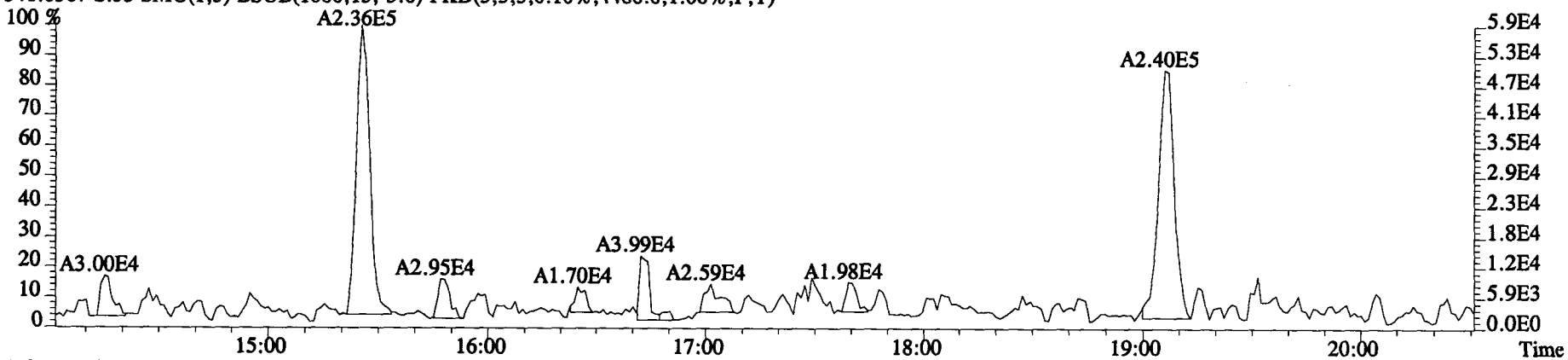
353.8970 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8644.0,1.00%,F,T)



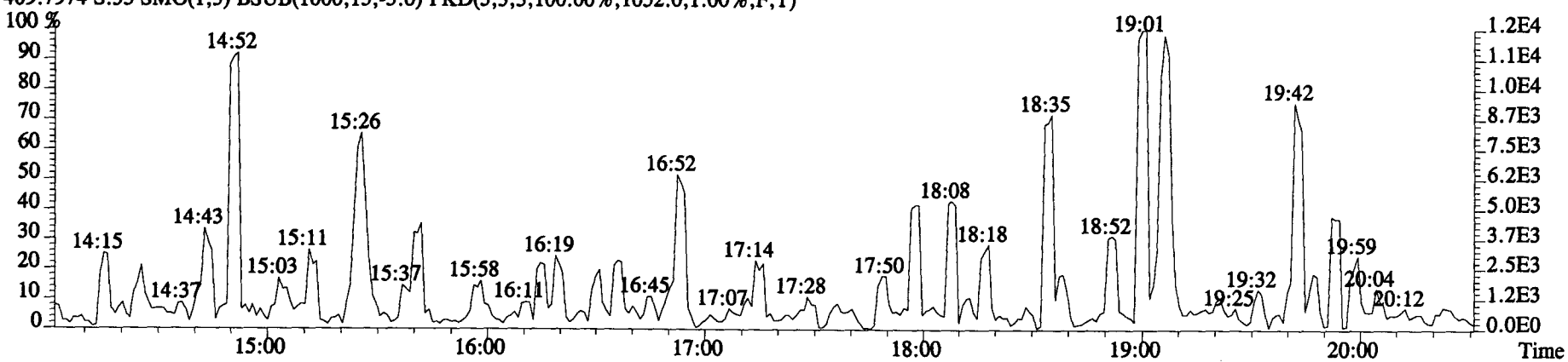
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
339.8597 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2272.0,1.00%,F,T)



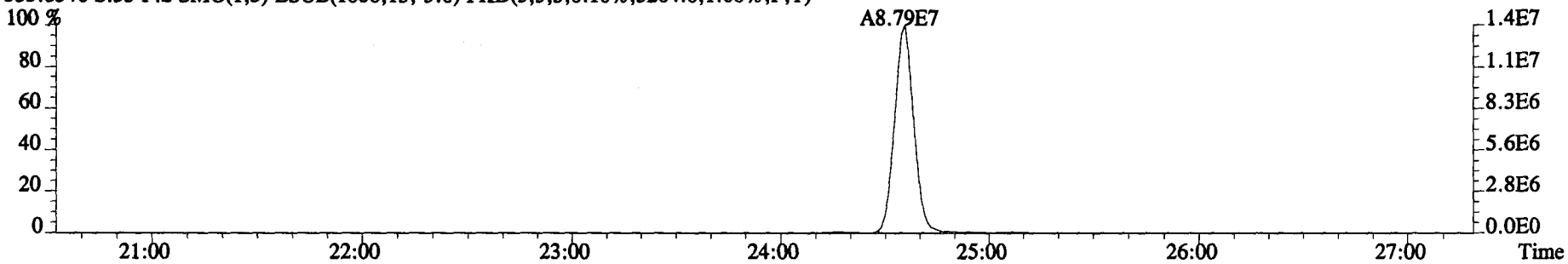
341.8567 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4488.0,1.00%,F,T)



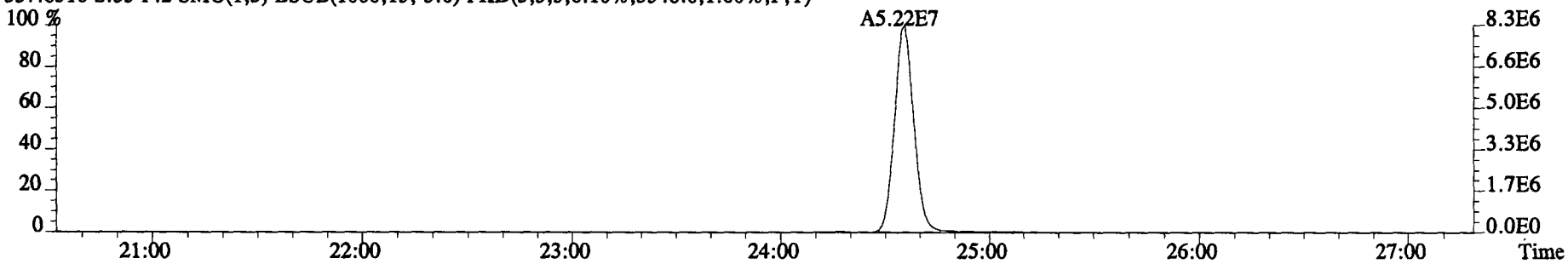
409.7974 S:35 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1052.0,1.00%,F,T)



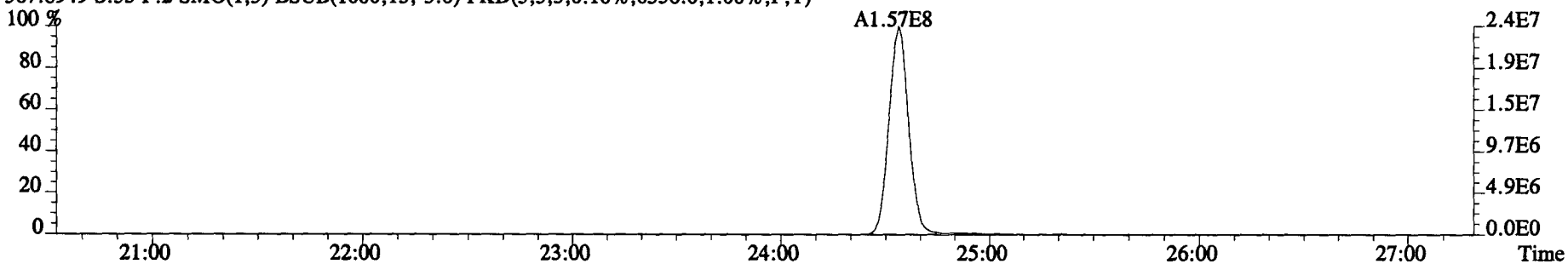
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
355.8546 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5204.0,1.00%,F,T)



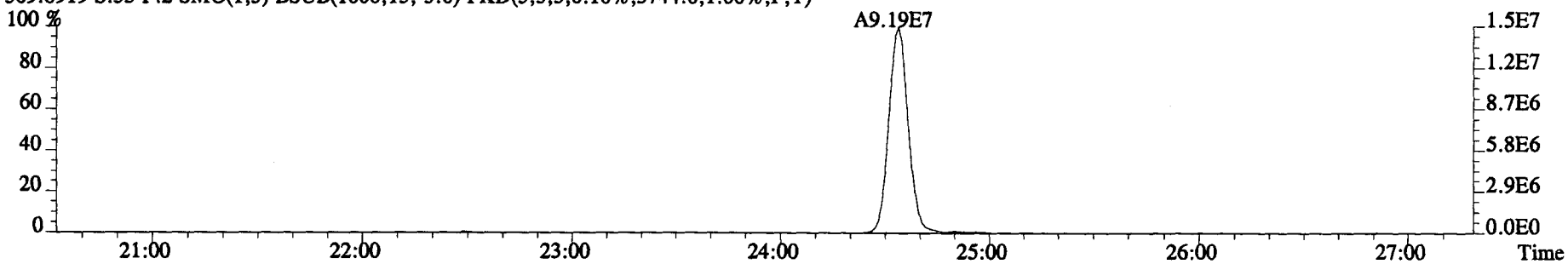
357.8516 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3548.0,1.00%,F,T)



367.8949 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6536.0,1.00%,F,T)

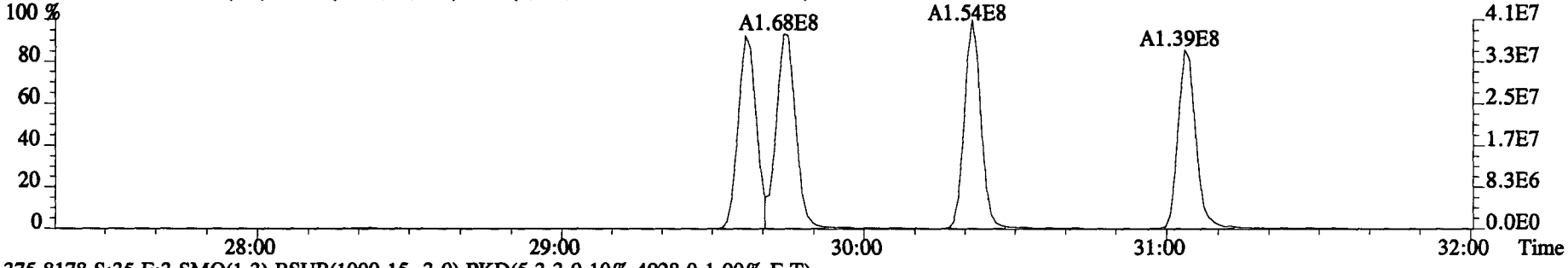


369.8919 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3744.0,1.00%,F,T)

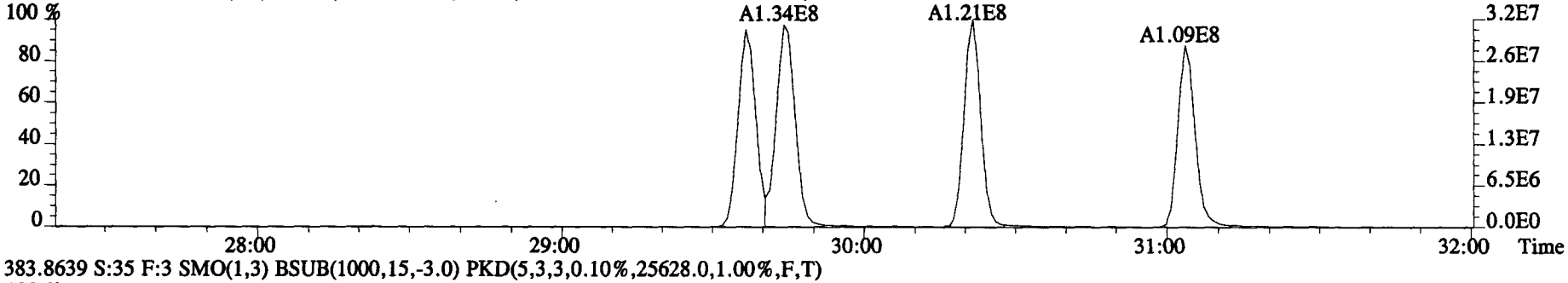


File:22SE10B1D5 #1-301 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES

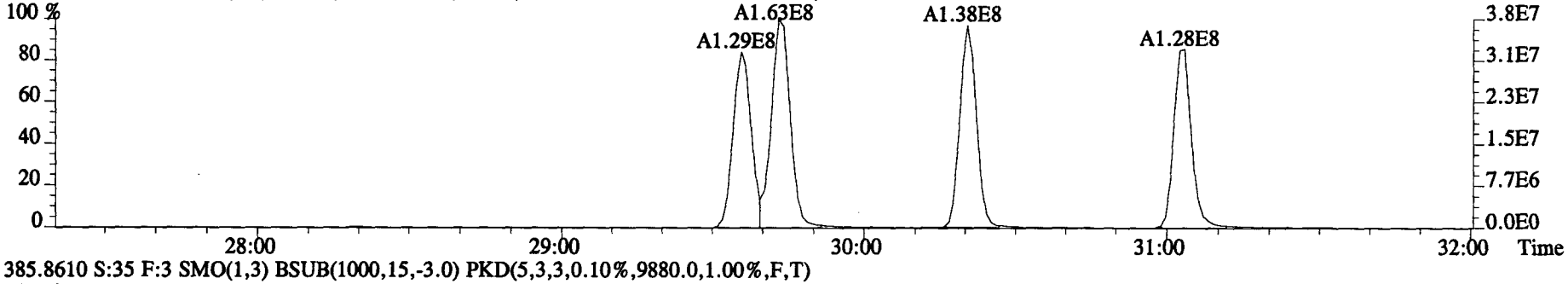
373.8208 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3528.0,1.00%,F,T)



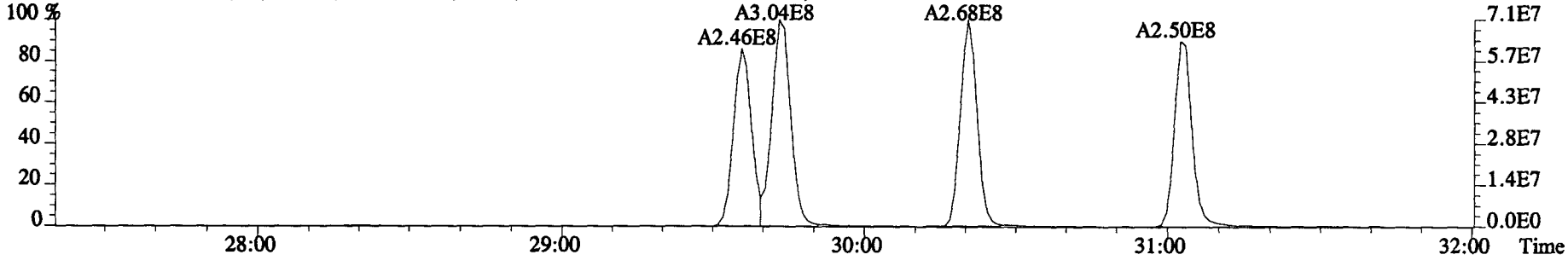
375.8178 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4928.0,1.00%,F,T)



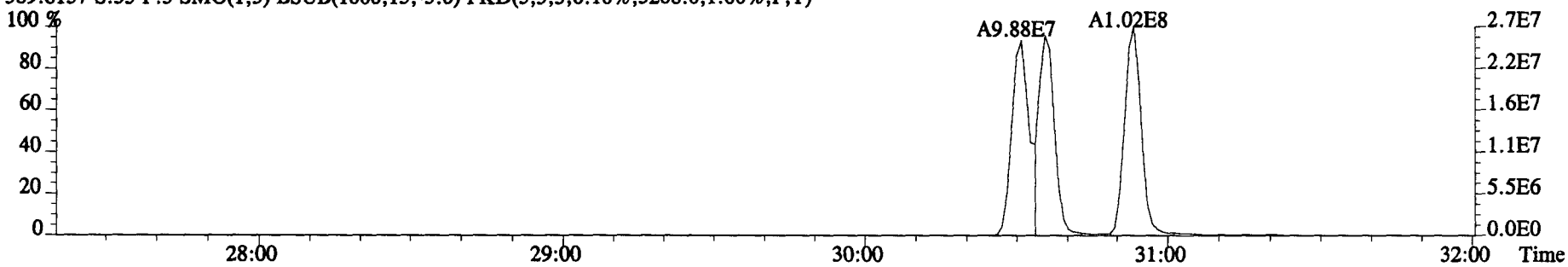
383.8639 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25628.0,1.00%,F,T)



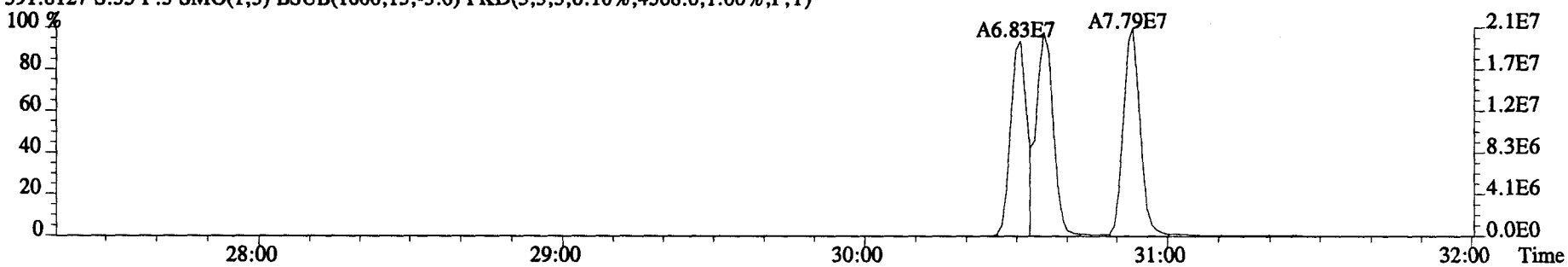
385.8610 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9880.0,1.00%,F,T)



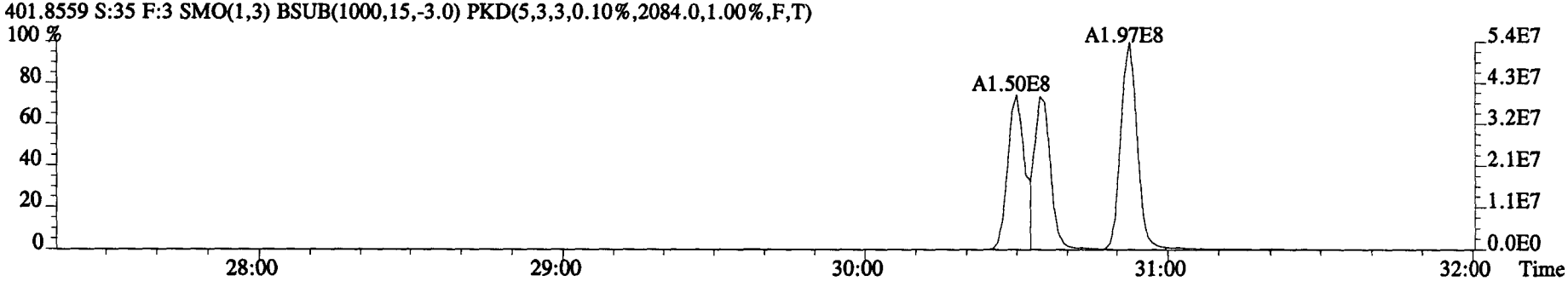
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
389.8157 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3208.0,1.00%,F,T)



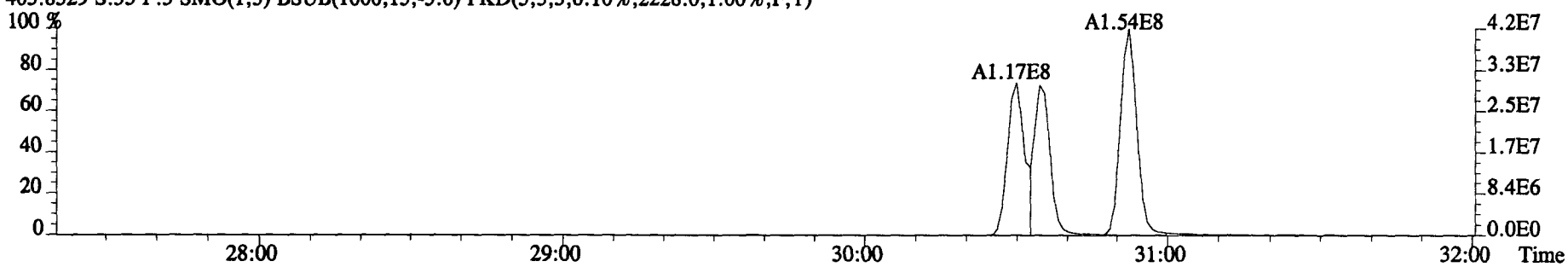
391.8127 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568.0,1.00%,F,T)



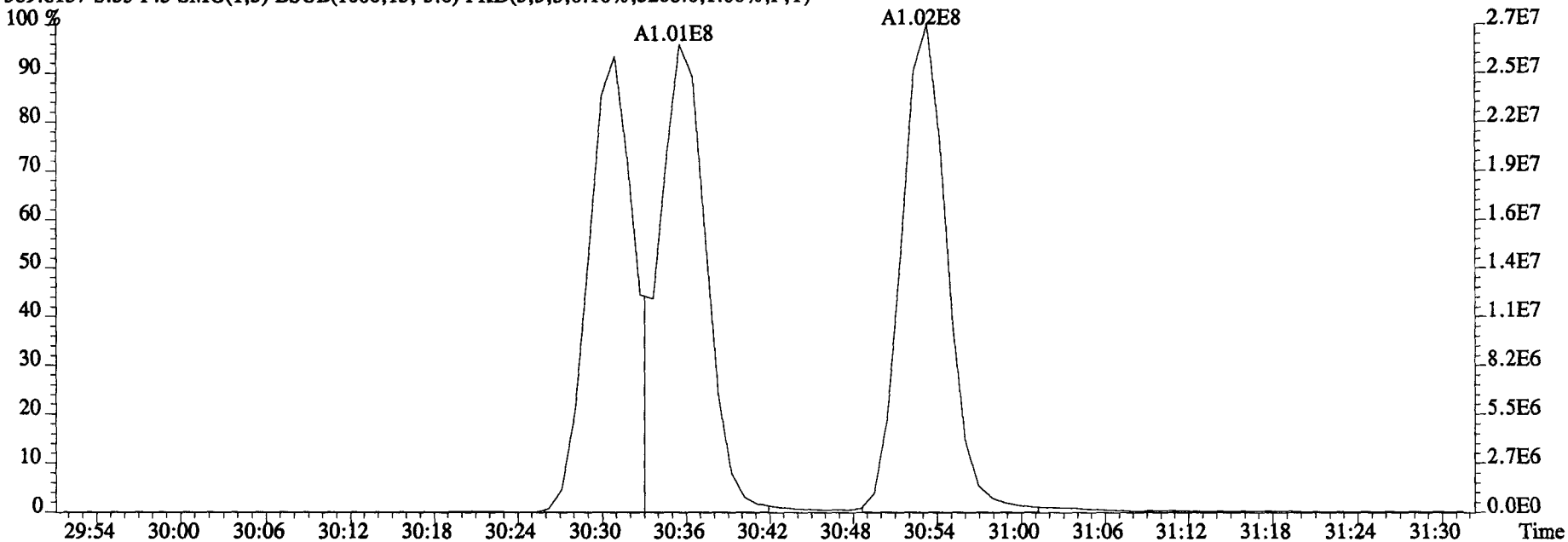
401.8559 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T)



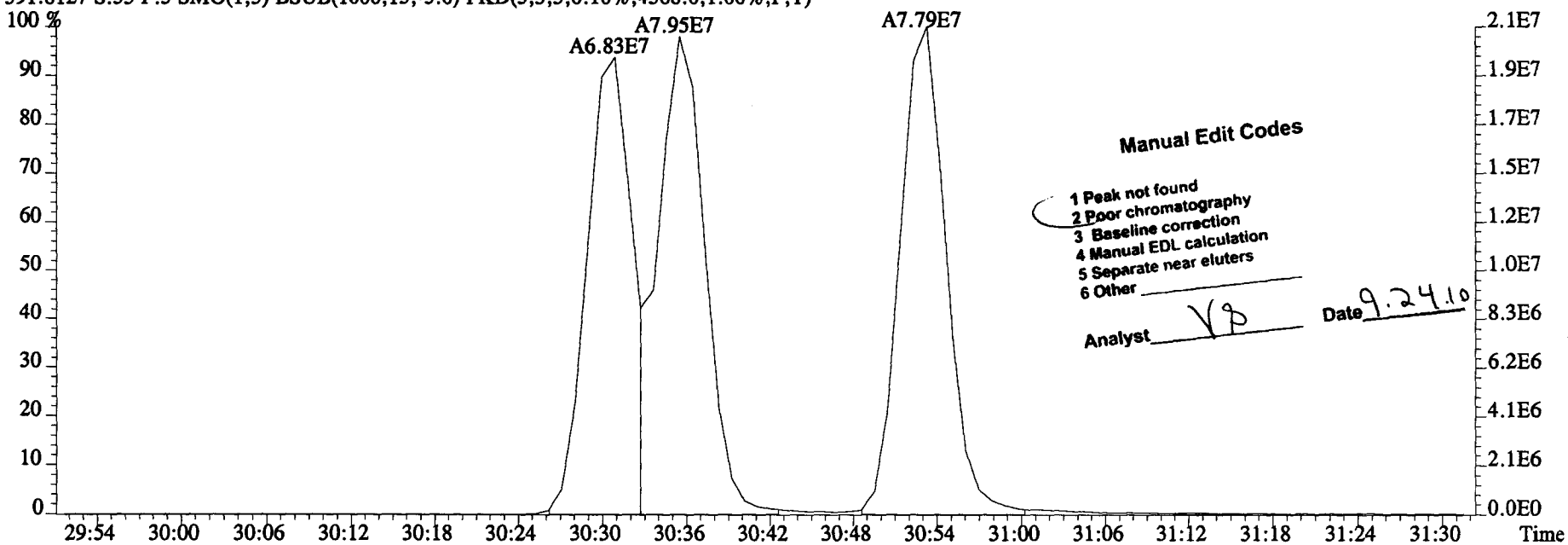
403.8529 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2228.0,1.00%,F,T)



File:22SE10B1D5 #1-301 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
389.8157 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3208.0,1.00%,F,T)



391.8127 S:35 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568.0,1.00%,F,T)

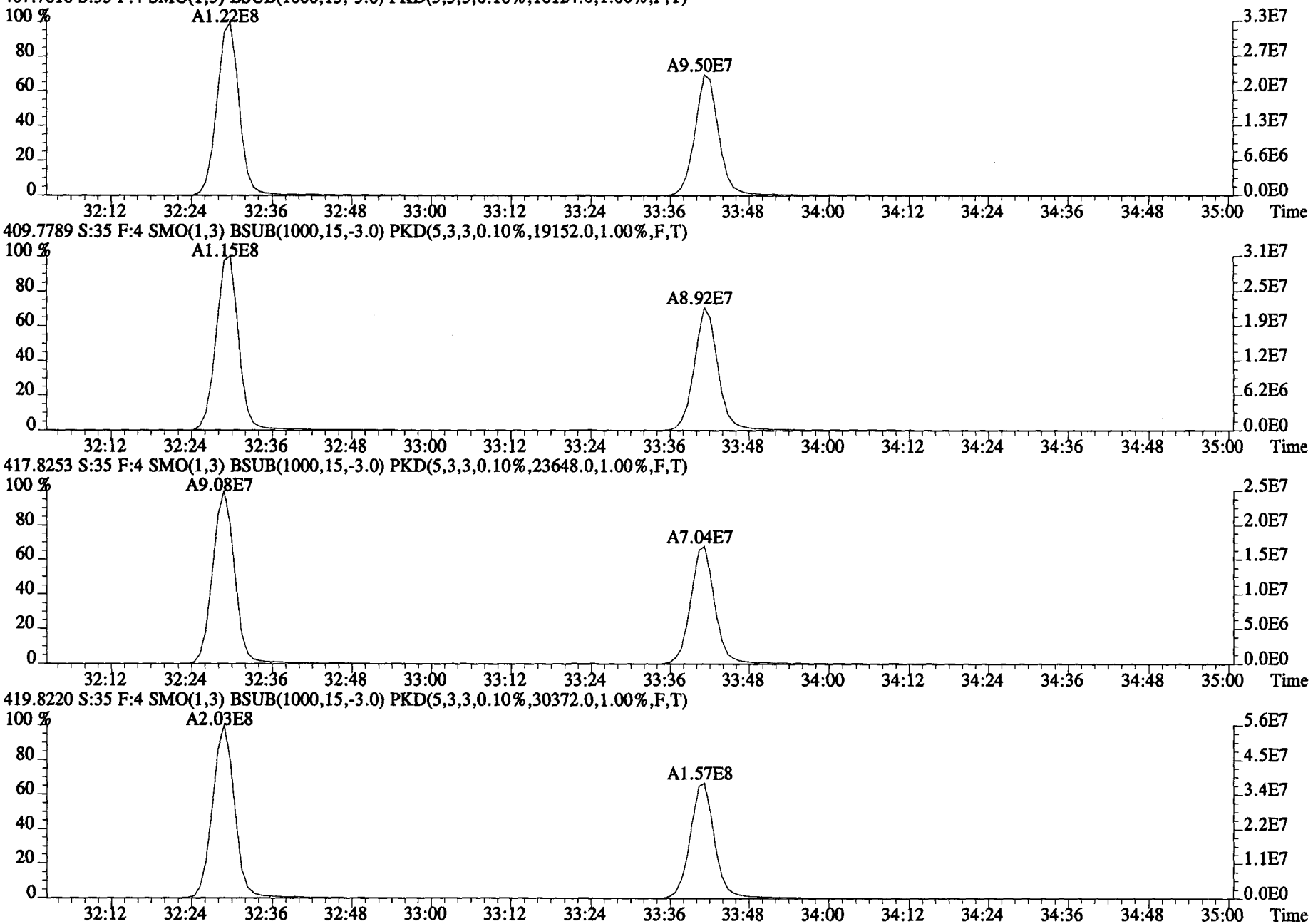


Manual Edit Codes

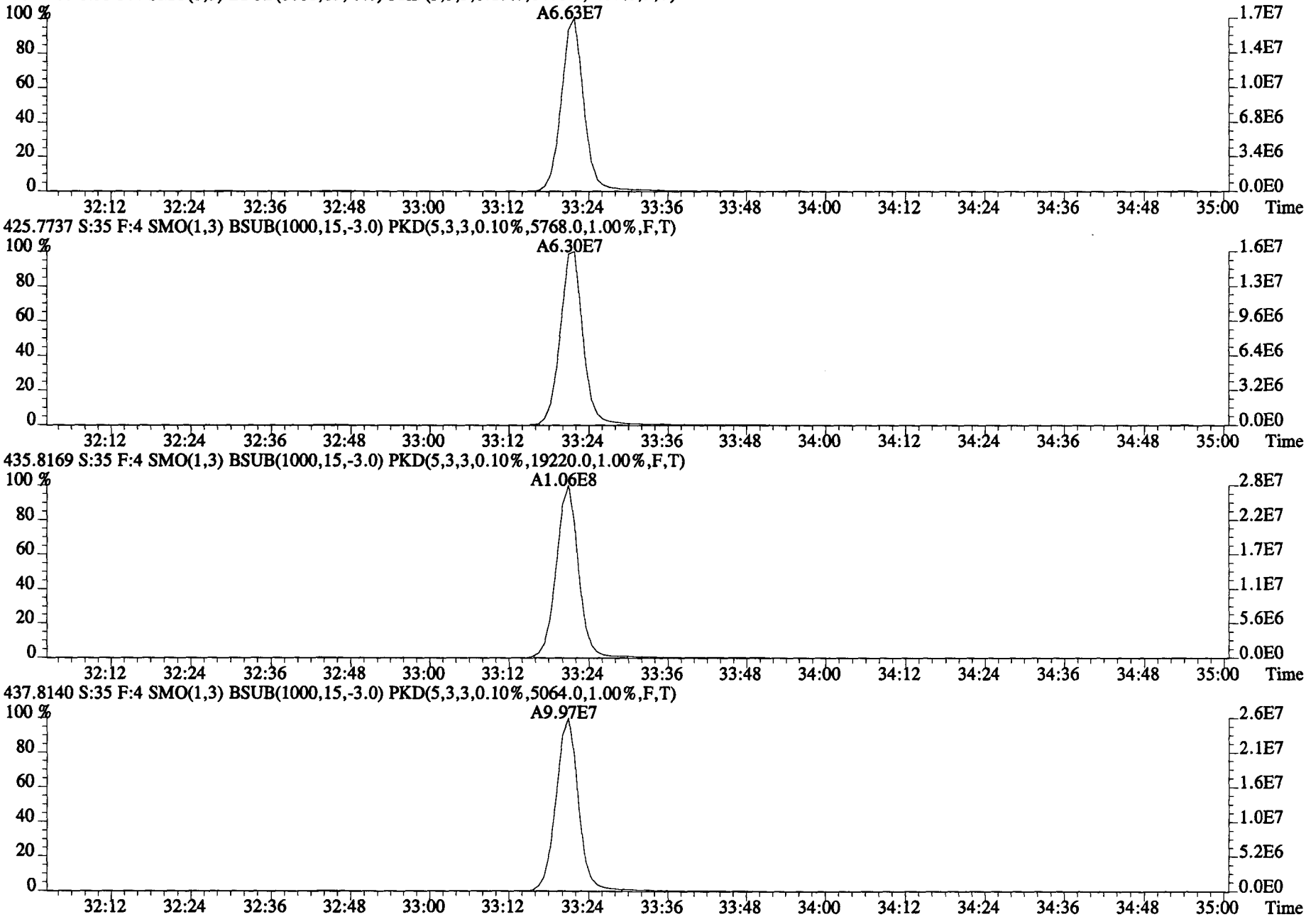
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VP Date 9.24.10

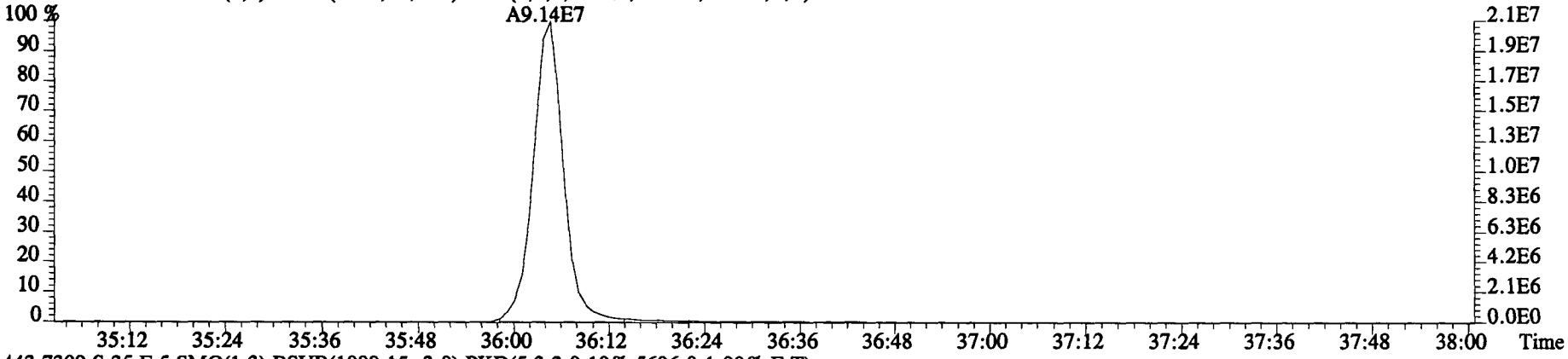
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES



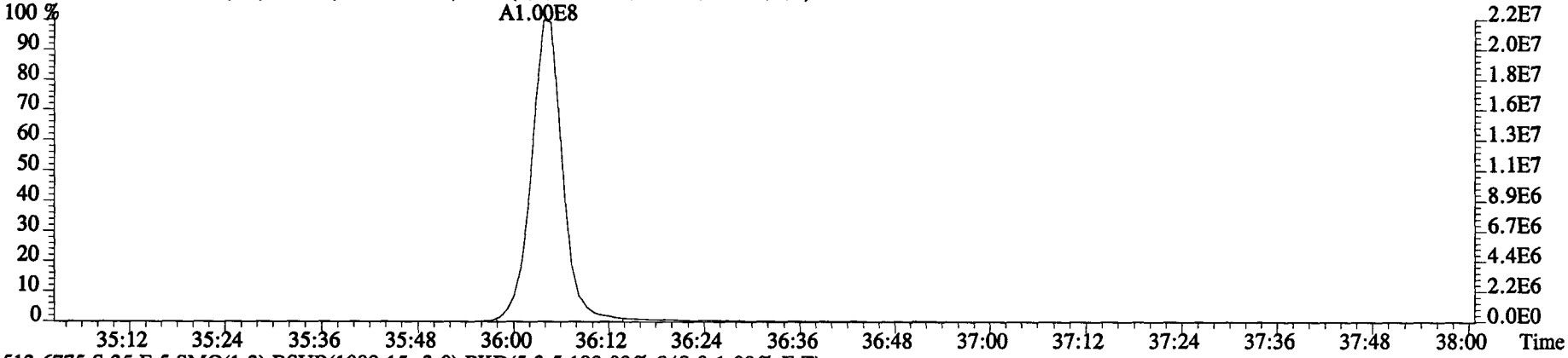
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES



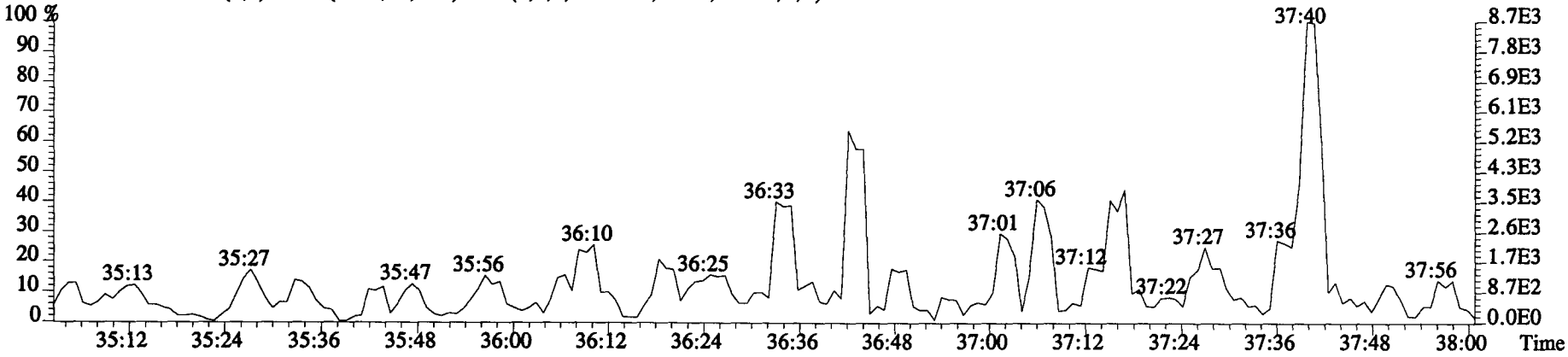
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
441.7428 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4396.0,1.00%,F,T)



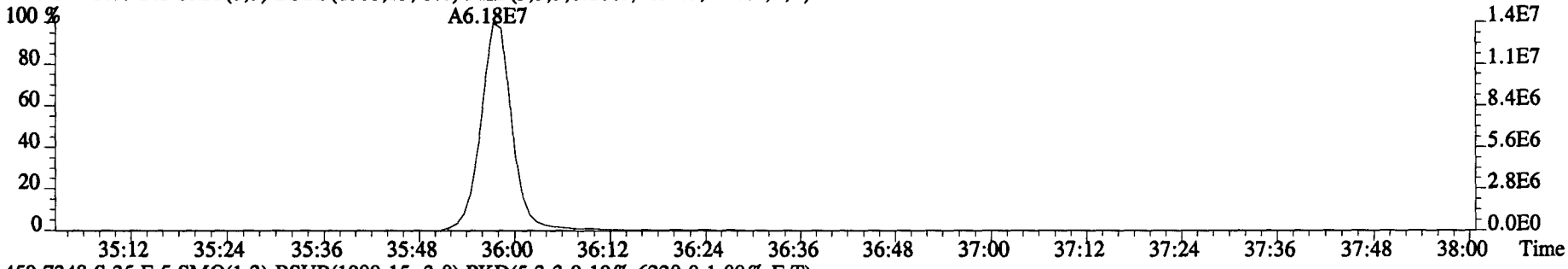
443.7399 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5696.0,1.00%,F,T)



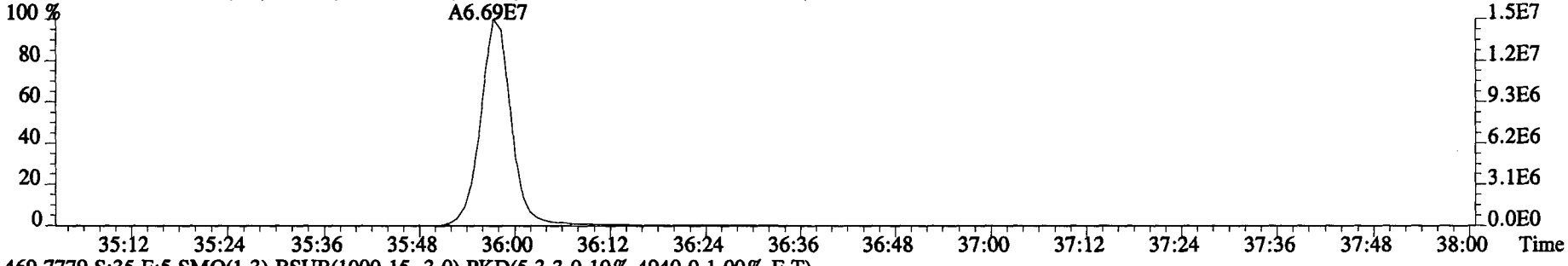
513.6775 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,948.0,1.00%,F,T)



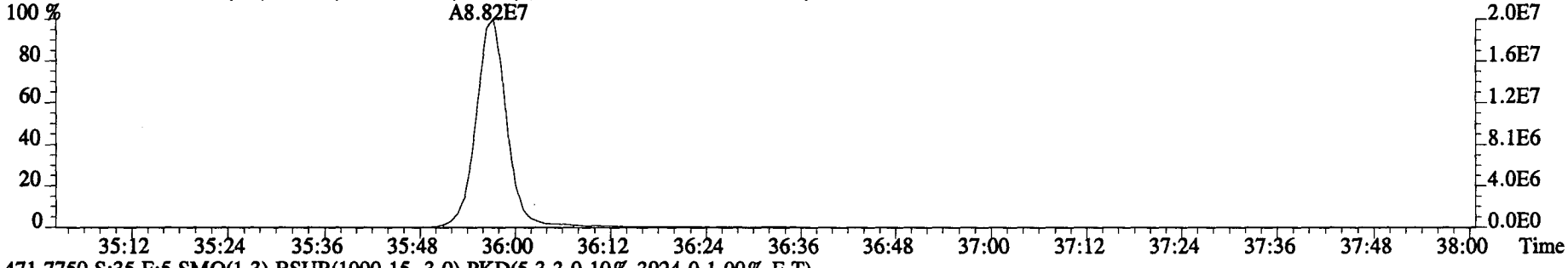
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
457.7377 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4632.0,1.00%,F,T)



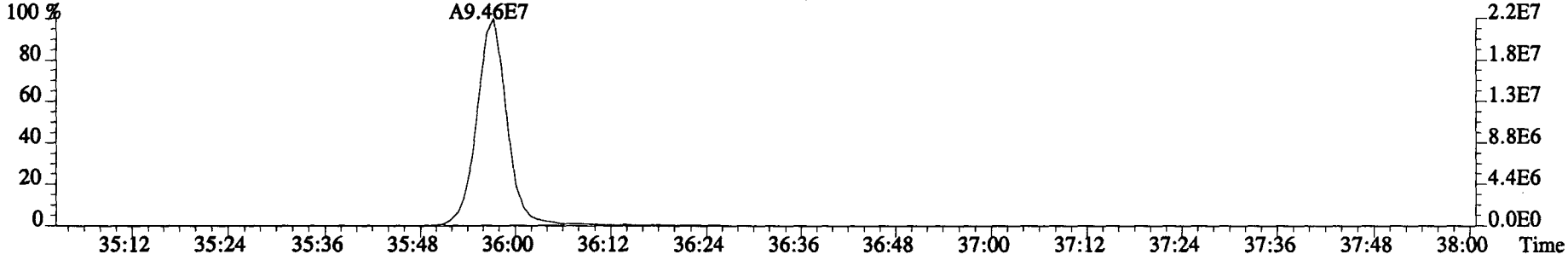
459.7348 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6220.0,1.00%,F,T)



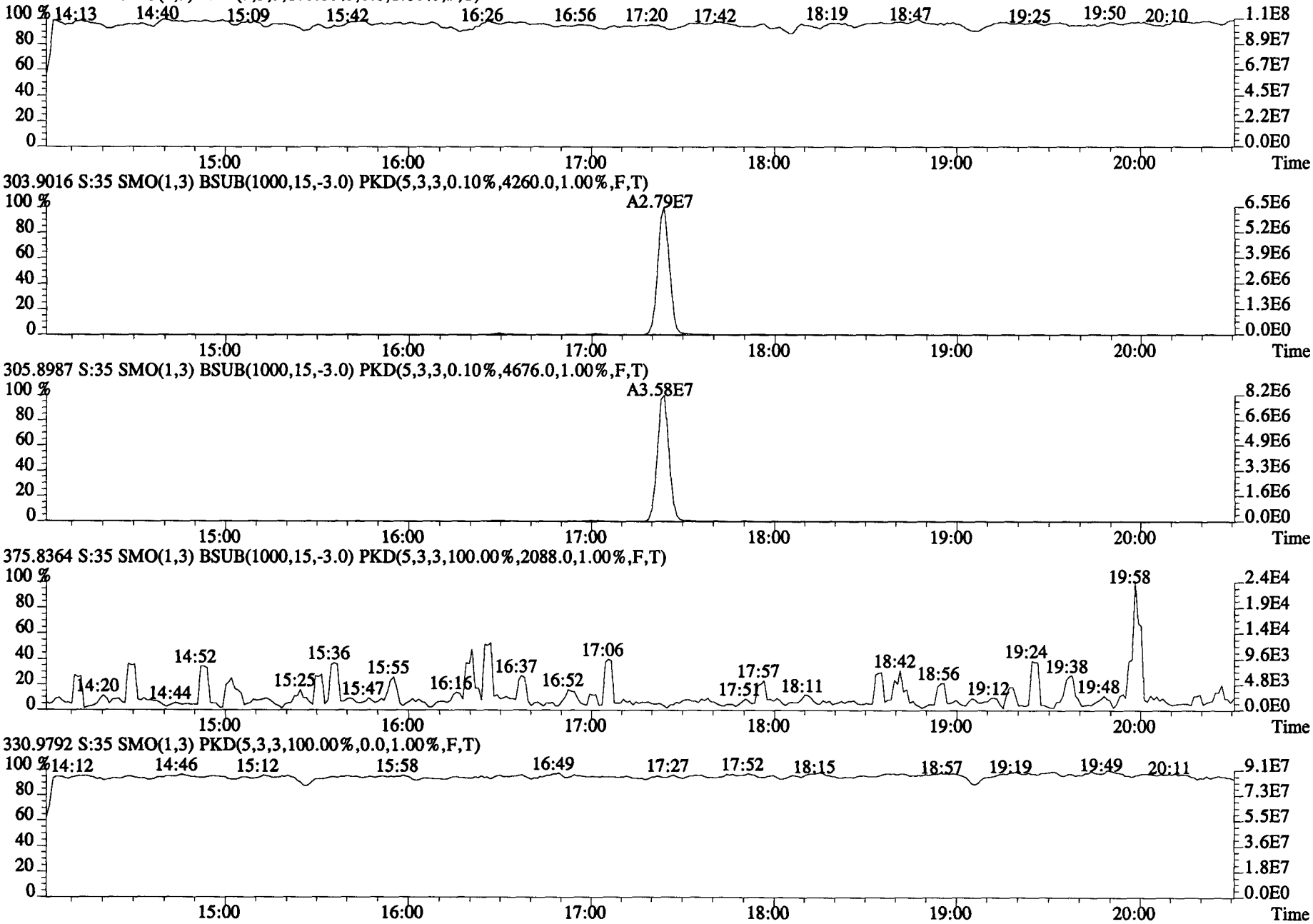
469.7779 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4940.0,1.00%,F,T)



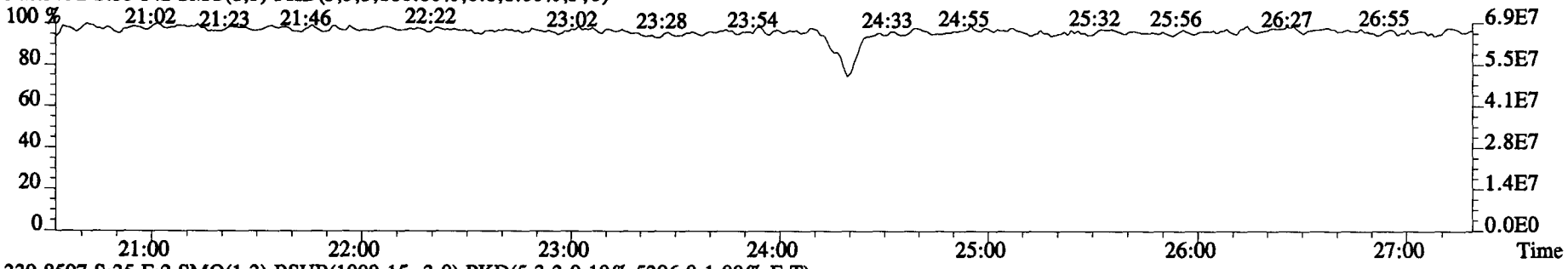
471.7750 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3924.0,1.00%,F,T)



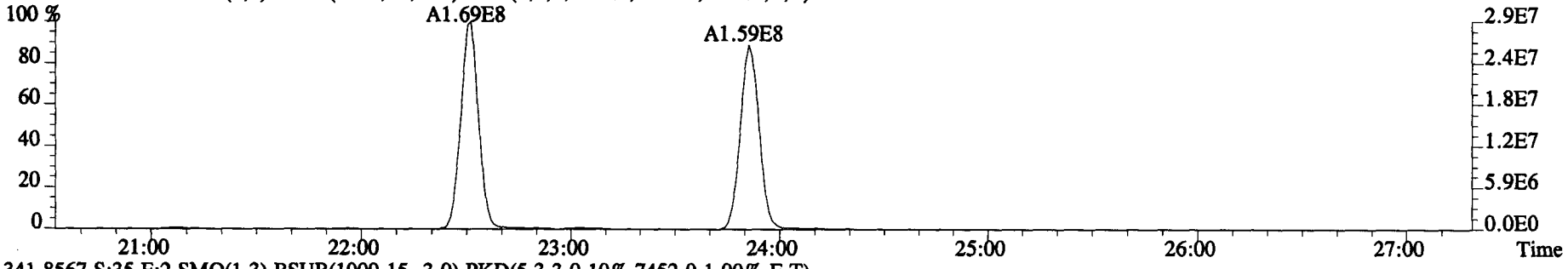
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES



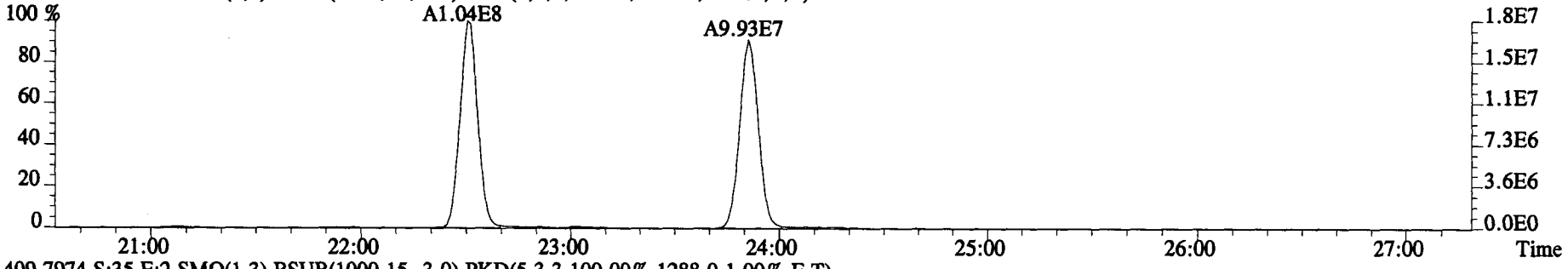
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
342.9792 S:35 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



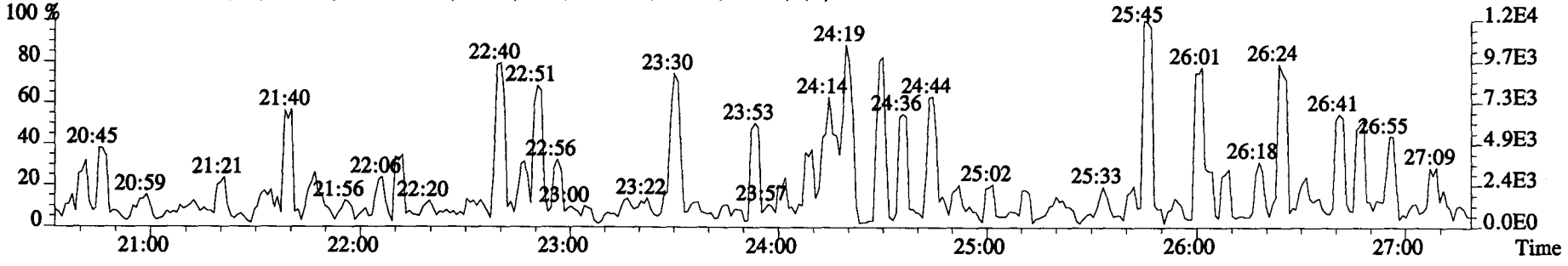
339.8597 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5396.0,1.00%,F,T)



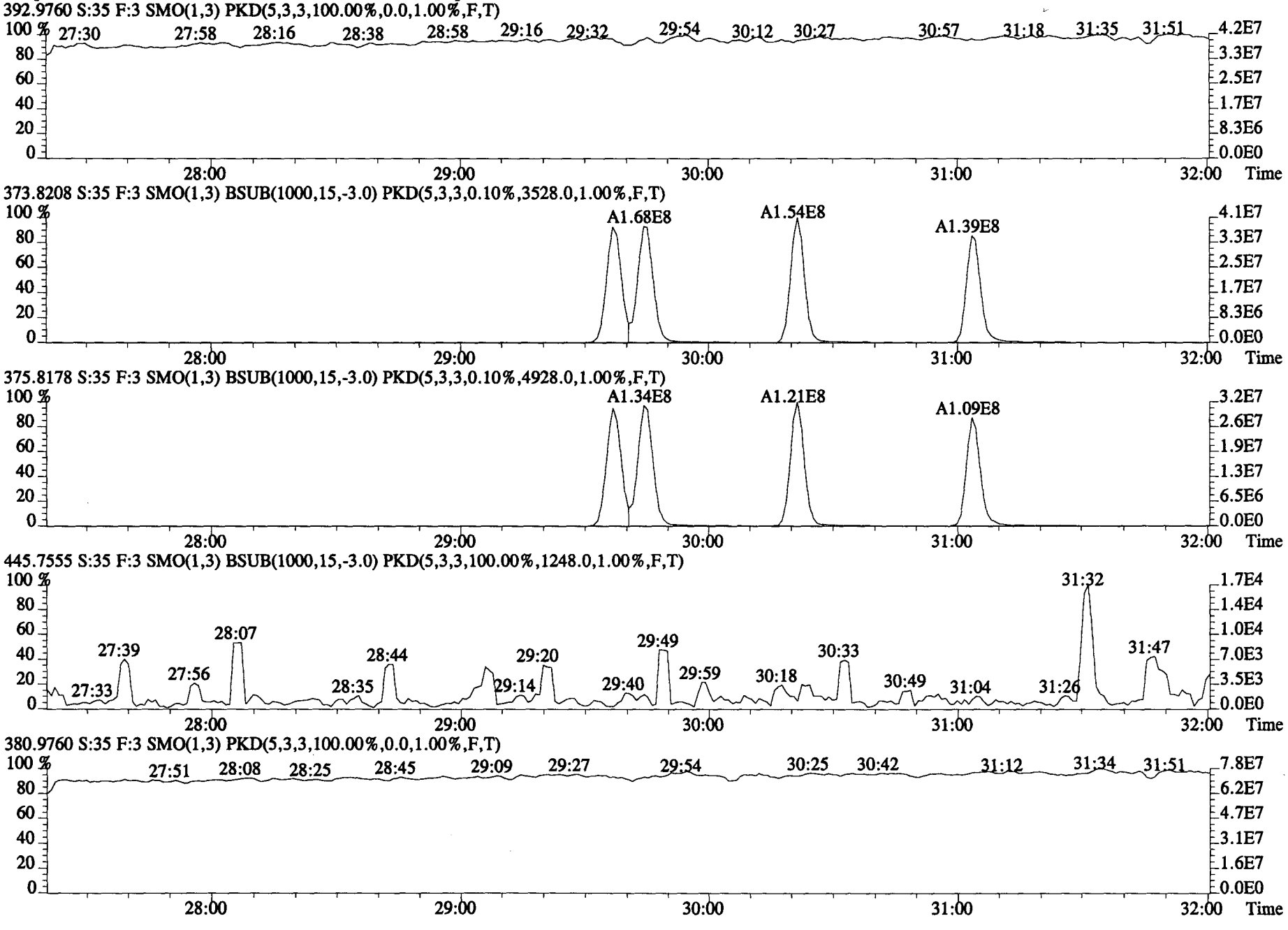
341.8567 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7452.0,1.00%,F,T)



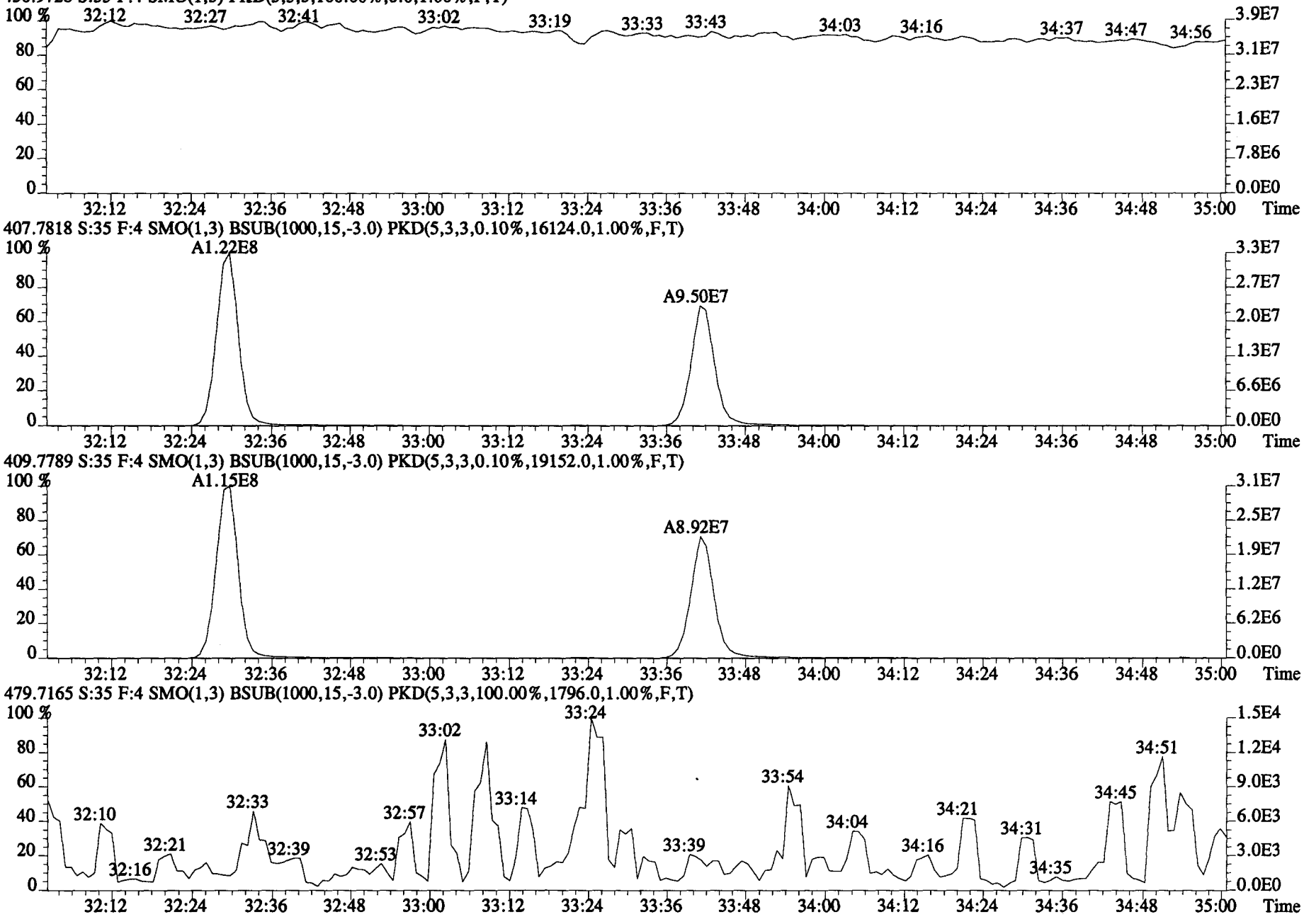
409.7974 S:35 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1288.0,1.00%,F,T)



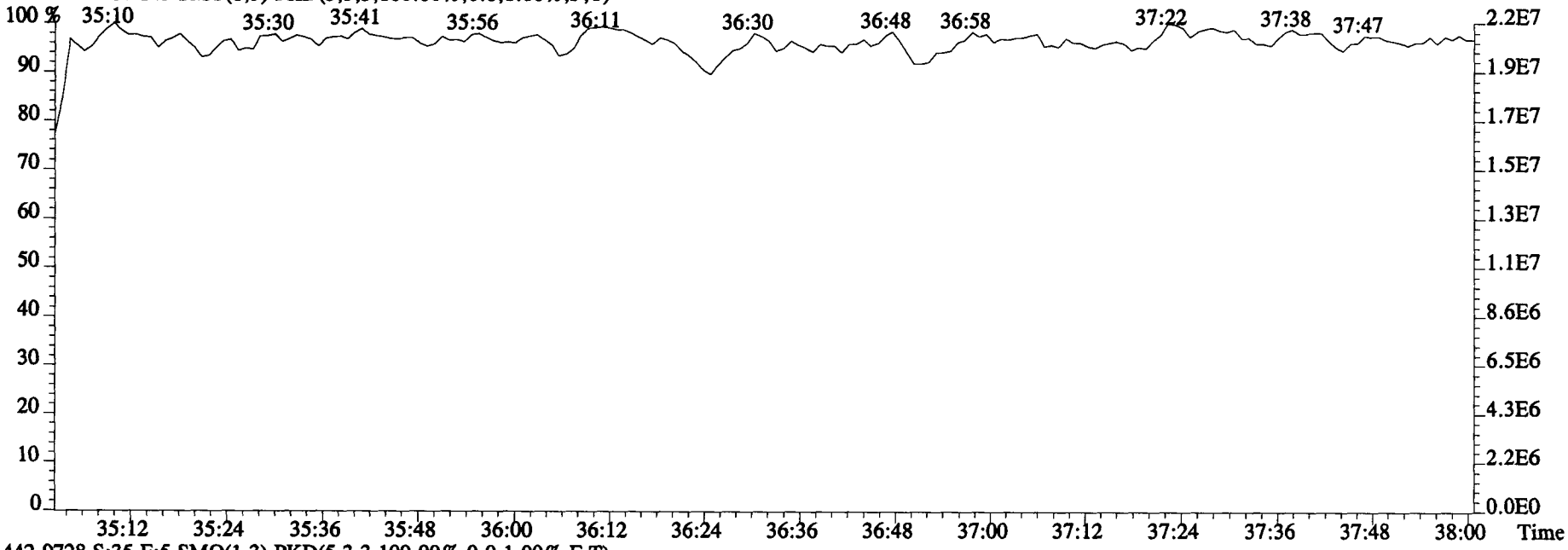
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES



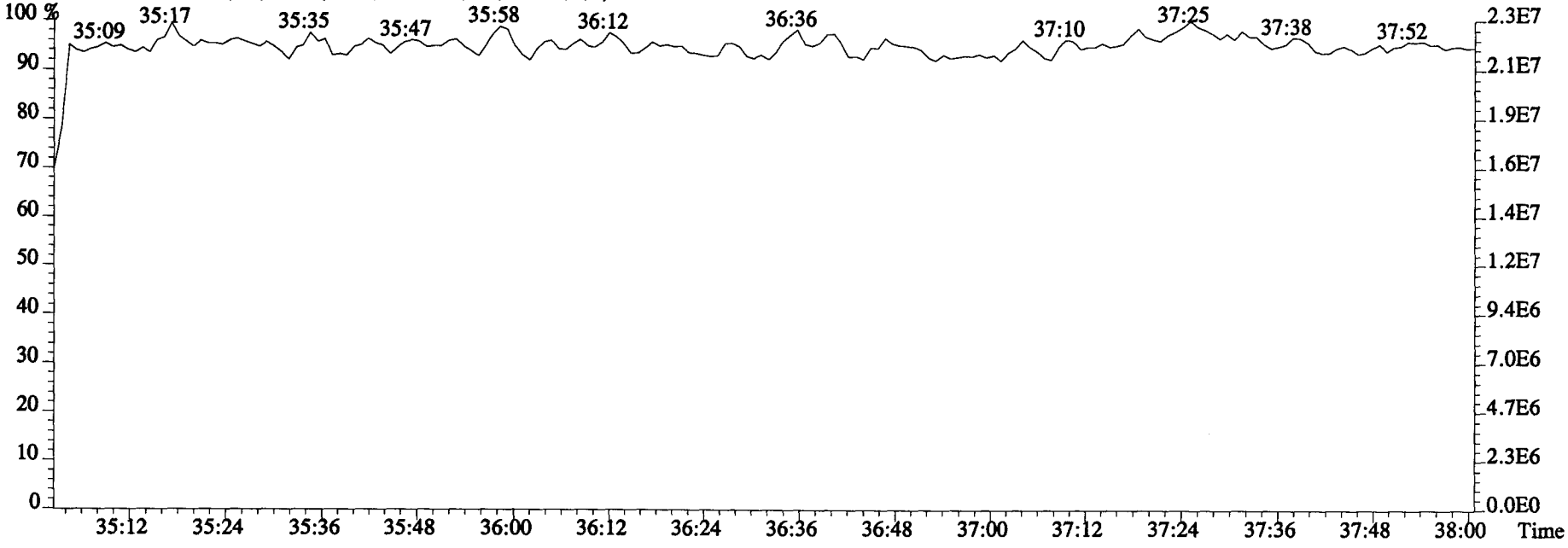
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:23-SEP-2010 23:59:37 GC EI+ Voltage SIR 70SE
Sample#35 Text:L674R-1-ADL :G0I180489-1DCS Exp:DIOXINRES
454.9728 S:35 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:35 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run-text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1
Run #11 Filename: 22SE10B1D5 S: 37 I: 1 Results: 22SE10B1D5TO9
Acquired: 24-SEP-10 01:25:32 Processed: 24-SEP-10 08:34:24 AK 9/24/10
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	367556000	0.82	y	17:51	-	210.37	-	-	n
13C-2,3,7,8-TCDF	527547000	0.81	y	17:19	1.56	3672.99	1.72	91.8	n
2,3,7,8-TCDF	774568	0.82	y	17:21	0.98	5.97 J ✓	0.91	-	n
Total TCDF	3065040	1.27	n	14:53	0.98	~~23.62~~ 13.59	~~0.91~~	-	n
13C-2,3,7,8-TCDD	313376000	0.80	y	18:03	0.92	3703.35	3.62	92.6	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.03	*	1.42	-	n
Total TCDD	70657	0.49	n	16:54	1.03	~~0.87~~	~~1.42~~	-	n
37Cl-2,3,7,8-TCDD	173531000	1.00	y	18:04	1.23	1806.28	2.98	112.9	n
13C-1,2,3,7,8-PeCDF	387629000	1.63	y	22:26	1.05	4007.81	3.97	100.2	n
1,2,3,7,8-PeCDF	293176	2.02	n	22:26	1.09	2.77 JQ	1.28	-	n
2,3,4,7,8-PeCDF	98930	1.23	n	23:46	1.02	~~1.09~~	1.38	-	n
Total F2 PeCDF	1460953	0.90	n	20:52	1.05	14.23 ~~7.98~~ AK 9/24/10	1.33	-	n
Total F1 PeCDF	488291	0.59	n	15:22	1.05	~~4.78~~ 9.47 ✓	1.26	-	n
13C-1,2,3,7,8-PeCDD	214075300	1.65	y	24:31	0.56	4153.78	2.34	103.8	n
1,2,3,7,8-PeCDD	19571	2.55	n	24:31	1.07	~~0.34~~	1.99	-	n
Total PeCDD	387441	1.01	n	23:05	1.07	~~6.76~~ 4.03 DL	1.99	-	n
13C-1,2,3,7,8,9-HxCDD	311366000	1.29	y	30:51	-	189.73	-	-	n
13C-1,2,3,4,7,8-HxCDF	335950000	0.50	y	29:34	0.99	4355.70	3.67	108.9	n
1,2,3,4,7,8-HxCDF	431048	1.27	y	29:35	1.26	4.07 J	1.14	-	n
1,2,3,6,7,8-HxCDF	343497	0.90	n	29:42	1.53	2.67 JQ	0.94	-	n
2,3,4,6,7,8-HxCDF	192030	1.12	y	30:16	1.41	1.62 C/N DL	1.02	-	n
1,2,3,7,8,9-HxCDF	120607	1.07	y	31:03	1.40	1.03 ↓	1.03	-	n
Total HxCDF	2060077	0.96	n	28:03	1.40	~~17.68~~ 11.98 ✓	1.03	-	n
13C-1,2,3,6,7,8-HxCDD	251491000	1.31	y	30:34	0.74	4368.98	0.96	109.2	n
1,2,3,4,7,8-HxCDD	44025	0.70	n	30:30	1.12	0.63	1.19	-	n
1,2,3,6,7,8-HxCDD	52398	0.84	n	30:34	1.14	0.78	1.17	-	n
1,2,3,7,8,9-HxCDD	45516	0.61	n	30:51	1.35	0.53	0.99	-	n
Total HxCDD	501731	1.79	n	29:00	1.20	~~6.64~~	~~1.11~~ 1.23 ✓	-	n
13C-1,2,3,4,6,7,8-HpCDF	254805600	0.45	y	32:28	0.96	3423.67	10.14	85.6	n
1,2,3,4,6,7,8-HpCDF	1080278	1.50	n	32:28	1.41	12.04 JQ	1.17	-	n
1,2,3,4,7,8,9-HpCDF	219885	1.29	n	33:39	1.24	2.79 ↓	1.33	-	n
Total HpCDF	2283936	1.50	n	32:28	1.32	~~26.52~~ 24.68	1.25	-	n
13C-1,2,3,4,6,7,8-HpCDD	193057000	1.06	y	33:19	0.71	abv high mw 22.9 3482.36	5.76	87.1	n
1,2,3,4,6,7,8-HpCDD	463376	1.16	y	33:21	1.13	8.46 J	1.48	-	n
Total HpCDD	1045061	2.25	n	32:28	1.13	~~19.09~~ 15.21 ✓	1.48	-	n
13C-OCDD	167457700	0.93	y	35:55	0.35	6099.68	5.60	76.2	n
OCDF	1053709	1.06	n	36:03	2.12	23.77 JQ	2.33	-	n
OCDD	1545756	1.01	y	35:56	1.37	53.86 J	3.01	-	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:12
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	11.81 of which	2.98 named and	8.83	unnamed
Conc:	23.62 of which	5.97 named and	17.65	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:53	1.27	n	0.75	69263	3.9	y	n
						54638	2.8	n	n
	2	15:39	0.89	n	4.65	303602	15.6	y	n
						340551	13.0	y	n
	3	15:53	0.61	n	1.91 S/N	107657	5.2	y	n
						176968	6.2	y	n
	4	16:11	1.26	n	1.02 S/N	94242	4.3	y	n
						74957	2.4	n	n
	5	16:26	0.78	y	2.26	128426	7.6	y	n
						165057	6.6	y	n
	6	16:41	0.46	n	1.21	68105	5.1	y	n
						146727	7.1	y	n
	7	16:47	0.38	n	1.53	86447	7.0	y	n
						229115	7.3	y	n
	8	16:58	0.89	n	2.97	194355	10.3	y	n
						217773	8.3	y	n
	9	17:11	0.71	y	0.56	30062	2.0	n	n
						42583	2.3	n	n
2,3,7,8-TCDF	10	17:21	0.82	y	5.97	349790	15.1	y	n
						424778	12.7	y	n
	11	17:52	0.23	n	0.46	25703	2.2	n	n
						111391	3.6	y	n
	12	19:06	0.50	n	0.35	19534	1.5	n	n
						38919	1.1	n	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:2
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	0.44 of which	* named and	0.44	unnamed	
Conc:	0.87 of which	* named and	0.87	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:54	0.49	n	0.34	11860	0.8	n	n
						24300	1.7	n	n
	2	17:20	3.87	n	0.54	94807	5.3	y	n
						24517	1.7	n	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:7
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	7.11 of which	1.89 named and	5.23	unnamed	
Conc:	14.23 of which	3.77 named and	10.46	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:52	0.90	n	1.05	65493	3.0	y	n
						72513	3.6	y	n
	2	21:05	1.55	y	5.21	323331	14.5	y	n
						208796	6.0	y	n
	3	21:58	2.46	n	1.44	142513	5.2	y	n
						57878	2.2	n	n
1,2,3,7,8-PeCDF	4	22:26	2.02	n	2.77	232262	7.2	y	n
						114971	5.1	y	n
	5	22:59	9.67	n	0.21	80812	3.1	y	n
						8361	0.7	n	n
2,3,4,7,8-PeCDF	6	23:46	1.23	n	1.00	60134	3.4	y	n
						48991	2.1	n	n
	7	24:13	0.98	n	2.54	158079	4.6	y	n
						162031	5.7	y	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	2.39 of which	* named and	2.39	unnamed	
Conc:	4.78 of which	* named and	4.78	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:22	0.59	n	1.27	78887	6.1	y	n
						132710	5.5	y	n
	2	15:35	1.46	y	0.29	17489	1.7	n	n
						11955	0.6	n	n
	3	19:02	0.66	n	1.14	70917	4.1	y	n
						108070	4.3	y	n
	4	19:29	1.51	y	1.49	91885	4.8	y	n
						60716	3.2	y	n
	5	19:50	2.02	n	0.58	47396	4.5	y	n
						23449	1.7	n	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:4
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	3.38 of which	0.17 named and	3.21	unnamed	
Conc:	6.76 of which	0.34 named and	6.42	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	23:05	1.01	n	0.72	25193	1.5	n	n
						24911	2.3	n	n
	2	23:46	1.71	y	1.66	60164	3.7	y	n
						35143	3.8	y	n
	3	24:12	2.26	n	4.03 DL	204514	10.4	y	n
						90634	7.0	y	n
1,2,3,7,8-PeCDD	4	24:31	2.55	n	0.34	19567	1.5	n	n
						7675	1.2	n	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:10
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	8.84 of which	4.70 named and	4.14 unnamed
Conc:	17.68 of which	9.39 named and	8.28 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:03	0.96	n	1.98	128805	4.2	y	n
						134403	5.1	y	n
	2	28:18	1.12	y	3.26	202248	7.1	y	n
						180253	6.1	y	n
	3	29:06	1.13	y	1.35	84166	3.4	y	n
						74235	3.2	y	n
1,2,3,4,7,8-HxCDF	4	29:35	1.27	y	4.07	240977	9.7	y	n
						190071	9.4	y	n
1,2,3,6,7,8-HxCDF	5	29:42	0.90	n	2.67	190150	9.2	y	n
						210756	9.5	y	n
	6	29:51	1.12	y	0.84	51841	2.2	n	n
						46486	2.8	n	n
2,3,4,6,7,8-HxCDF	7	30:16	1.12	y	1.62	101329	3.3	y	n
						90701	3.0	n	n
1,2,3,7,8,9-HxCDF	8	31:03	1.07	y	1.03	62260	2.3	n	n
						58347	4.0	y	n
	9	31:07	1.36	y	0.47	31484	1.8	n	n
						23221	1.4	n	n
	10	31:45	1.38	y	0.39	26809	1.5	n	n
						19472	1.2	n	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:8
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	3.32 of which	0.95 named and	2.37 unnamed
Conc:	6.64 of which	1.89 named and	4.75 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	29:00	1.79	n	0.72	43553	3.1	y	n
						24374	1.5	n	n
	2	29:35	2.33	n	1.23 DL	96676	6.1	y	n
						41573	2.3	n	n
	3	29:53	1.62	n	0.98	53522	3.7	y	n
						33012	1.8	n	n
1,2,3,4,7,8-HxCDD	4	30:30	0.70	n	0.63	24371	2.3	n	n
						34702	2.3	n	n
1,2,3,6,7,8-HxCDD	5	30:34	0.84	n	0.73	29006	2.7	n	n
						34702	2.3	n	n
1,2,3,7,8,9-HxCDD	6	30:51	0.61	n	0.53	25196	2.6	n	n
						41236	2.3	n	n
	7	31:02	2.31	n	1.16	90476	7.2	y	n
						39194	1.5	n	n
	8	31:45	0.74	n	0.66	27861	2.8	n	n
						37430	1.9	n	n

Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:6
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	13.26 of which	7.42 named and	5.84 unnamed
Conc:	26.52 of which	14.84 named and	11.68 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:28	1.50	n	12.04	793703	39.9	y	n
						529548	35.7	y	n
	2	32:40	1.62	n	2.28	152027	6.4	y	n
						93955	4.9	y	n
	3	32:48	1.14	y	5.80	259977	10.7	y	n

						228606	15.2	y	n
	4	33:22	0.85	n	1.77	75929	3.5	y	n
						89334	5.8	y	n
1,2,3,4,7,8,9-HpCDF	5	33:39	1.29	n	2.79	138881	6.1	y	n
						107787	5.7	y	n
	6	34:53	1.21	n	1.84	91340	5.4	y	n
						75777	3.7	y	n

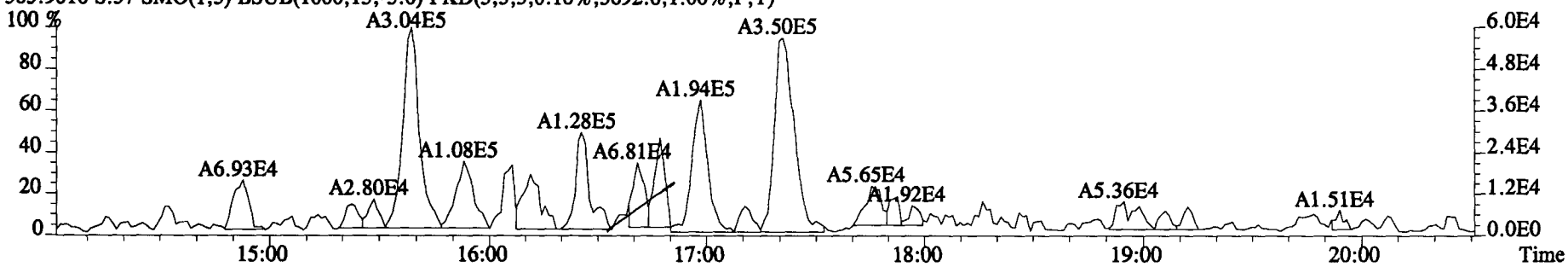
Run Text: L6642-1-AA Sample text: L6642-1-AA :G0I180489-1

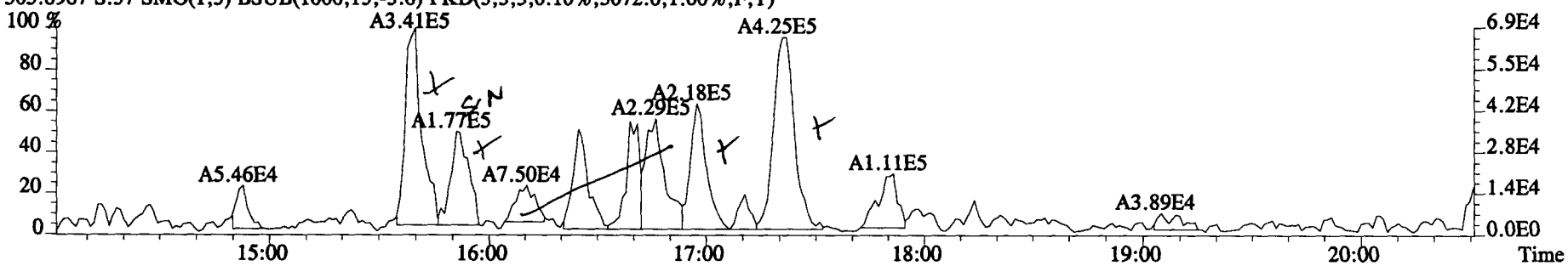
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 11 File: 22SE10B1D5 S:37 Acq:24-SEP-10 01:25:32
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

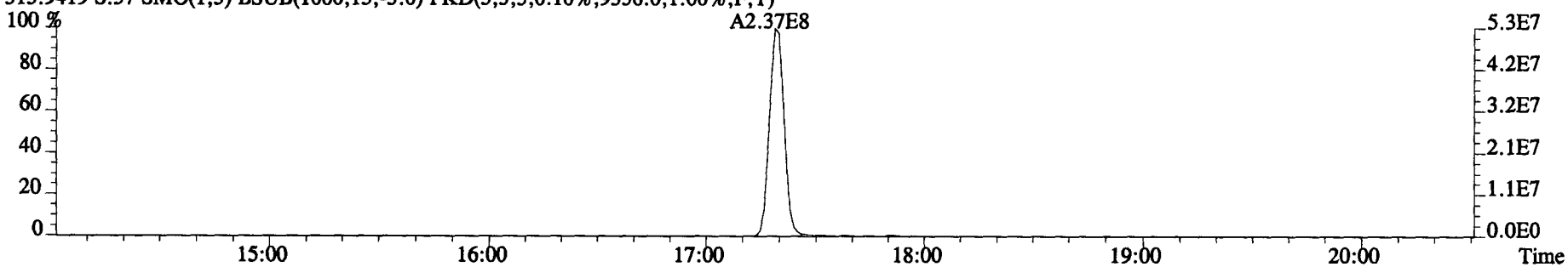
Amount:	9.54 of which	4.23 named and	5.31 unnamed
Conc:	19.09 of which	8.46 named and	10.62 unnamed

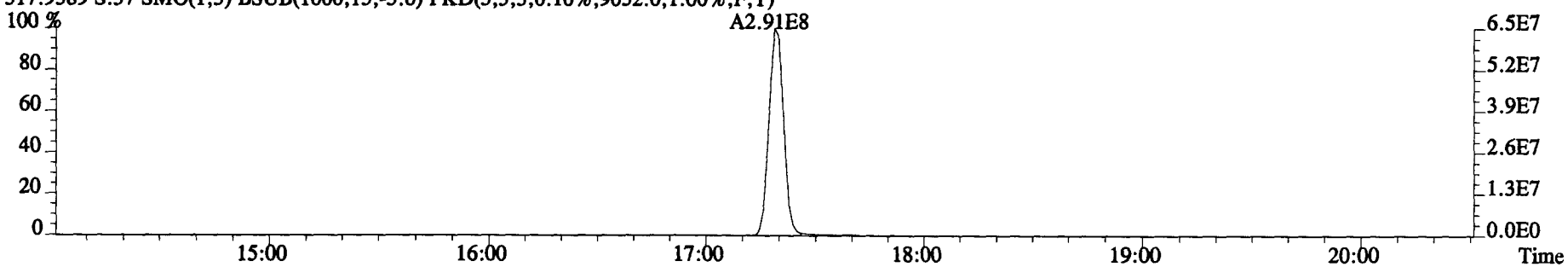
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:28	2.25	n	1.66	100154	5.7	y	n
						44564	4.1	y	n
	2	32:44	1.27	n	6.75	230101	14.0	y	n
						181252	16.4	y	n
1,2,3,4,6,7,8-HpCDD	3	33:21	1.16	y	8.46	249145	12.0	y	n
						214231	19.3	y	n
	4	34:52	0.93	y	2.21	58428	3.7	y	n
						62593	5.7	y	n

File:22SE10B1D5 #1-382 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES

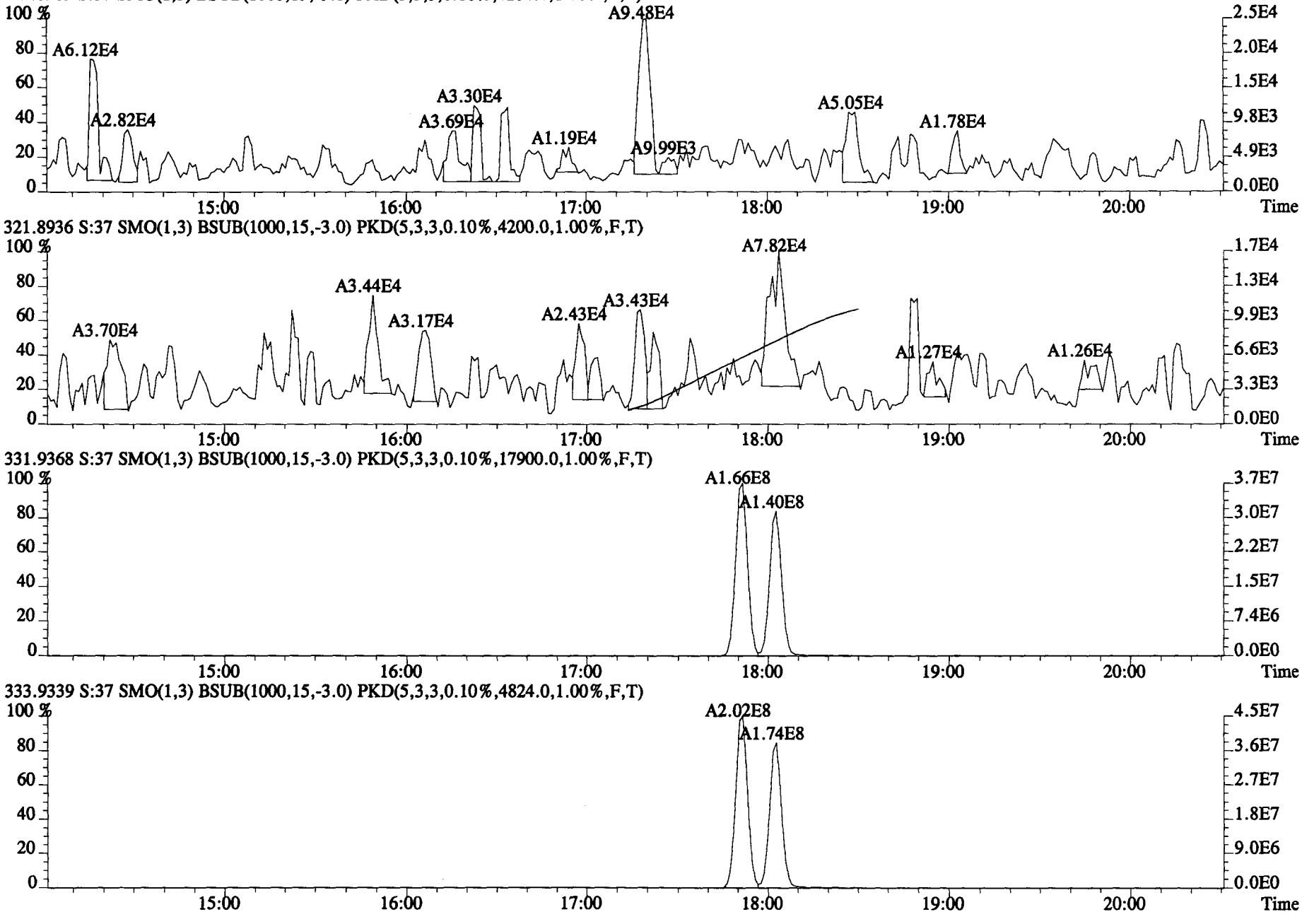




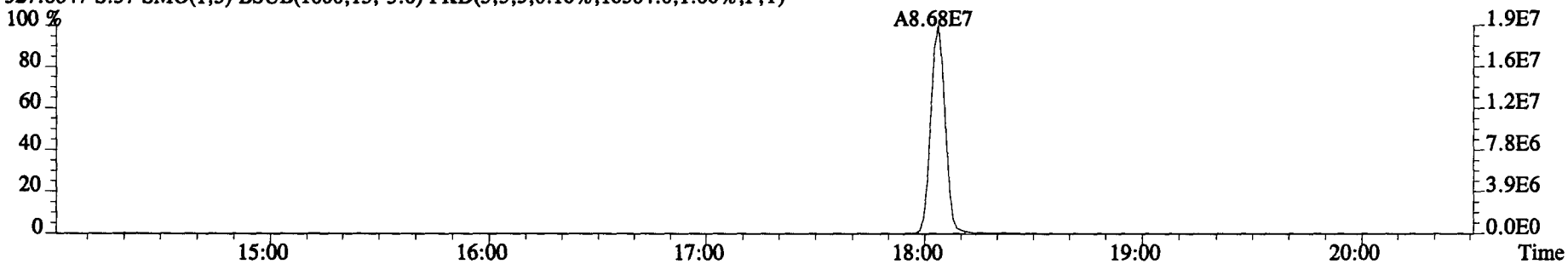




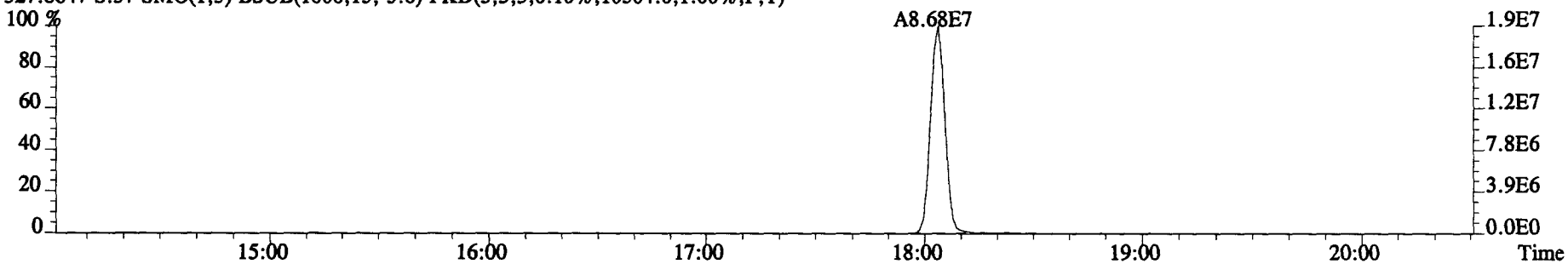
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



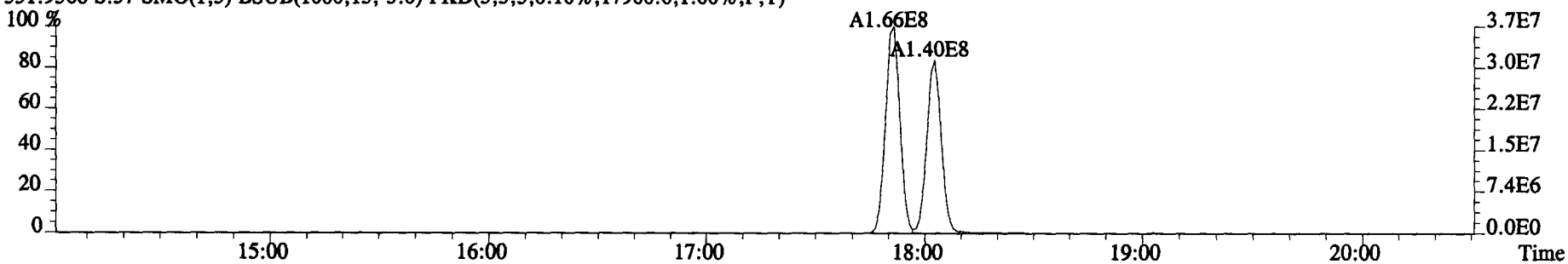
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES
327.8847 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10504.0,1.00%,F,T)



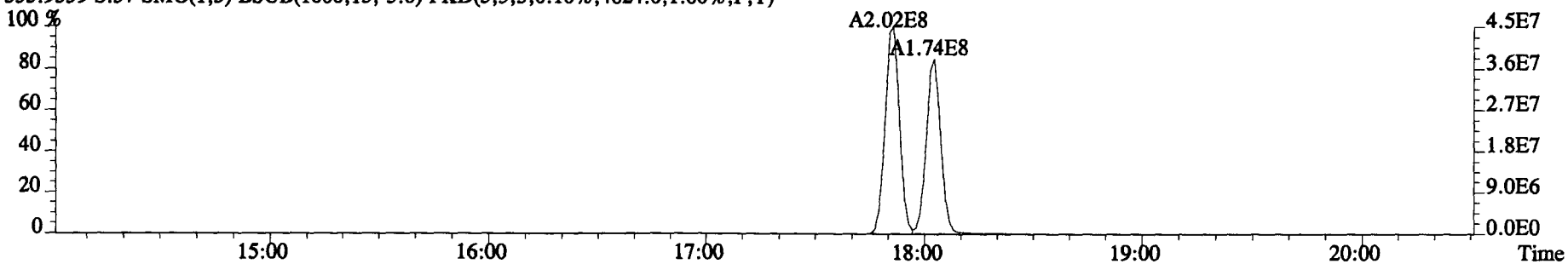
327.8847 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10504.0,1.00%,F,T)



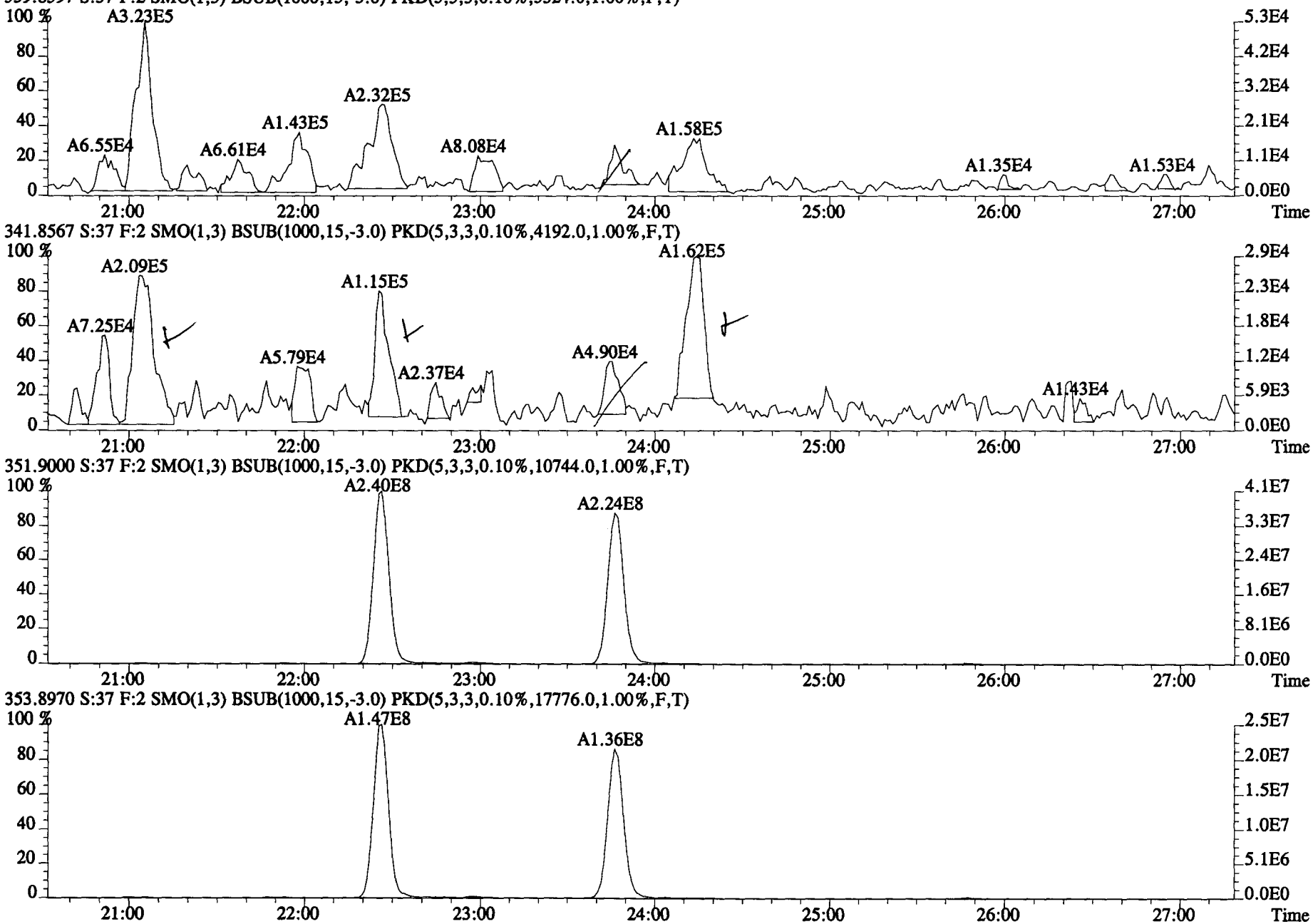
331.9368 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17900.0,1.00%,F,T)



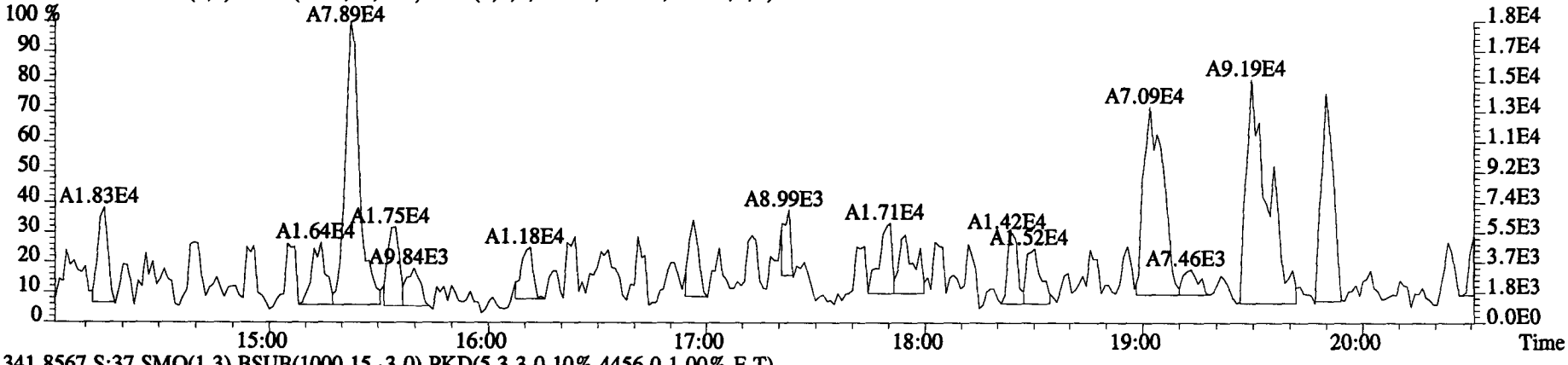
333.9339 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4824.0,1.00%,F,T)



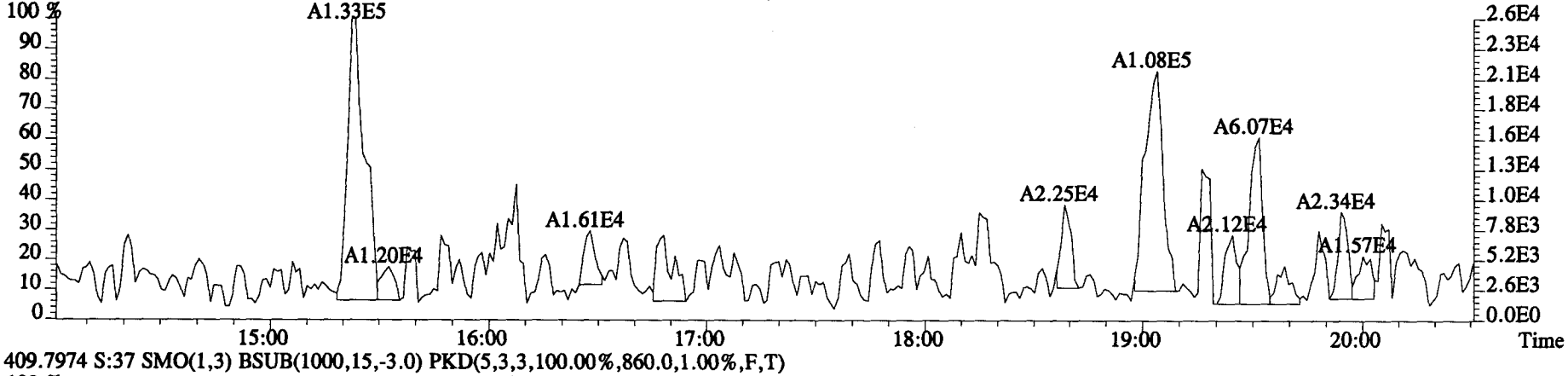
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



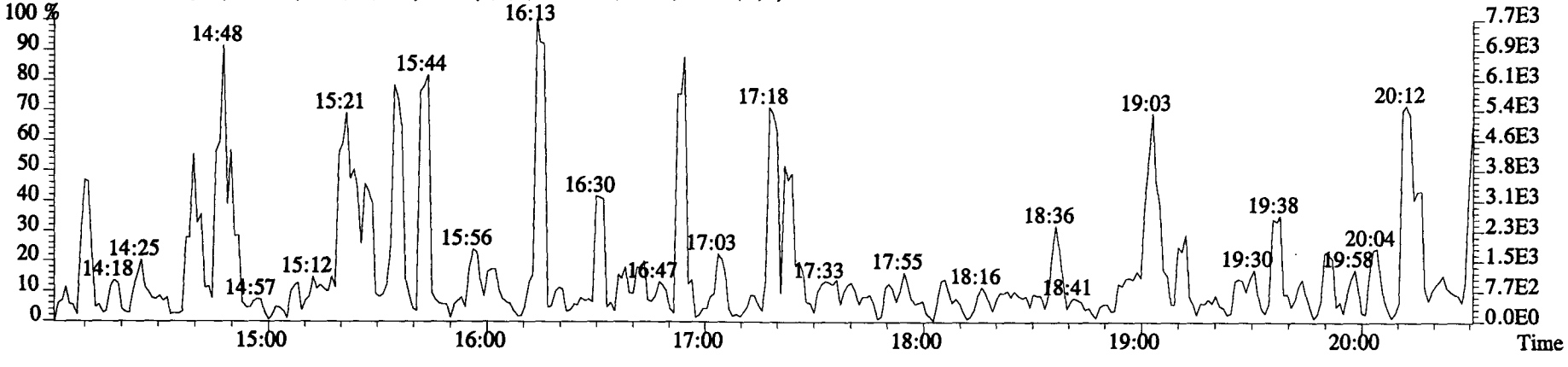
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES
339.8597 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836.0,1.00%,F,T)



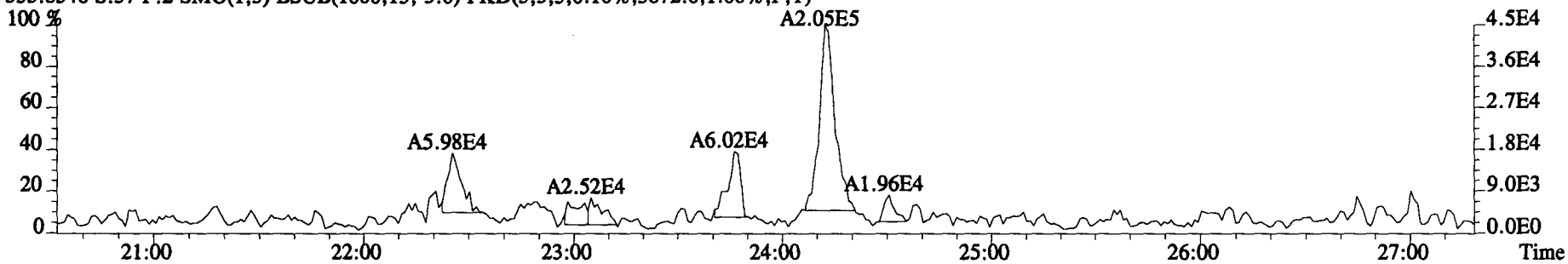
341.8567 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4456.0,1.00%,F,T)

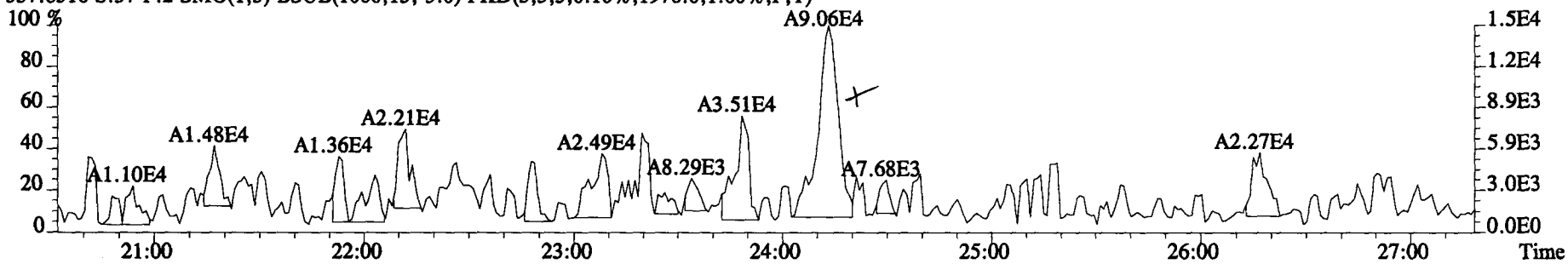


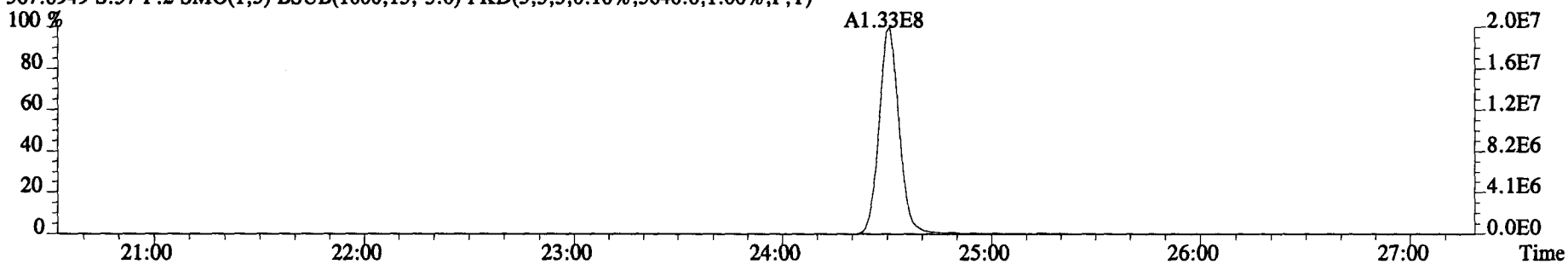
409.7974 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,860.0,1.00%,F,T)

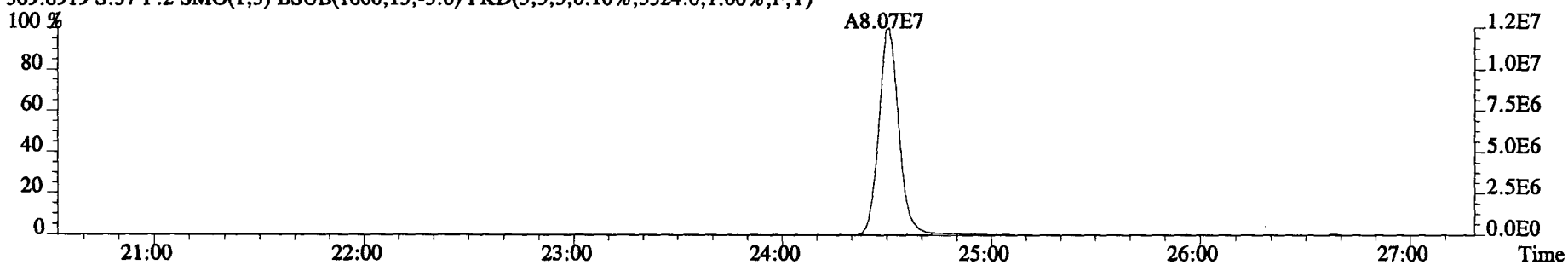


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES

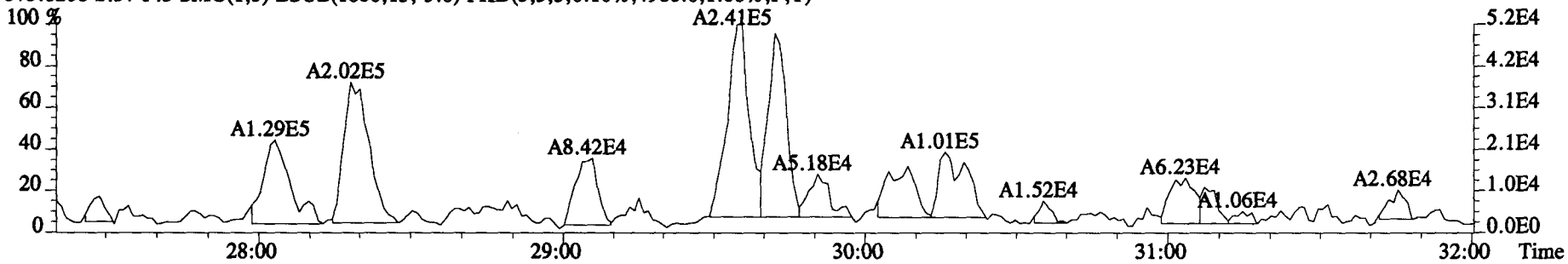




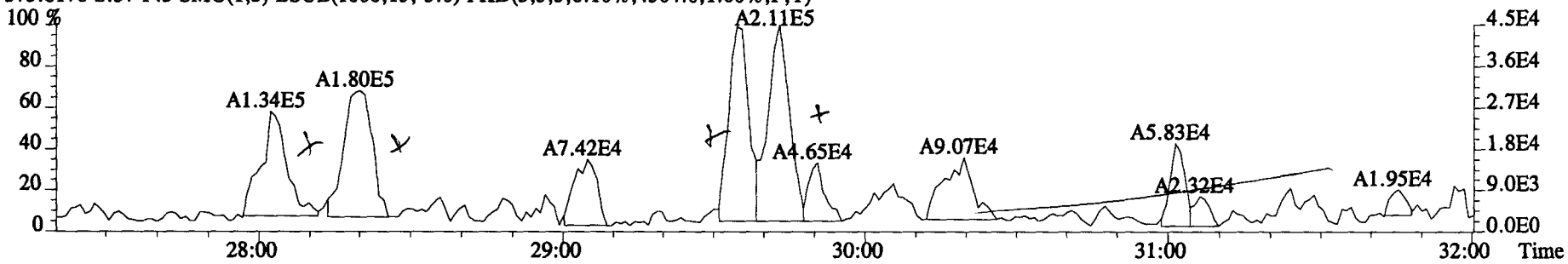




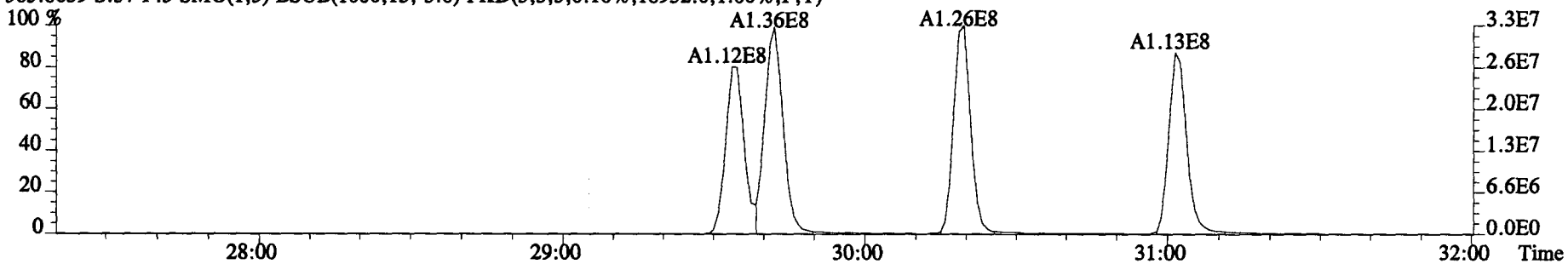
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES
373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4988.0,1.00%,F,T)



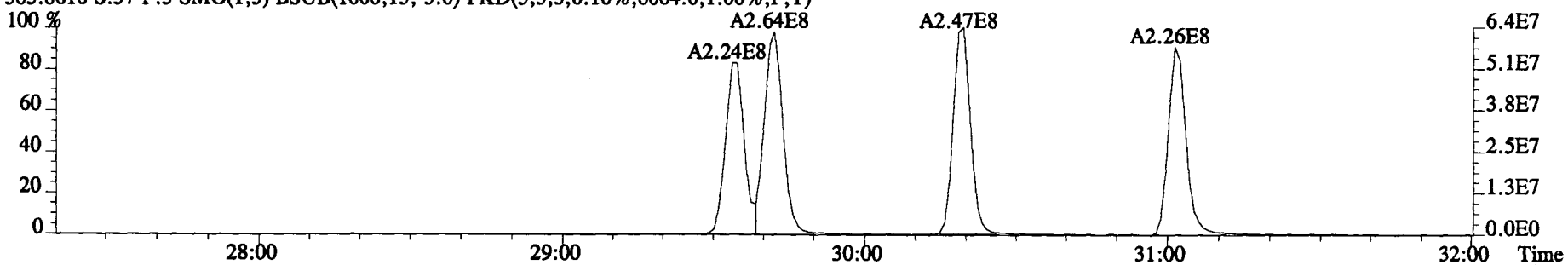
375.8178 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)



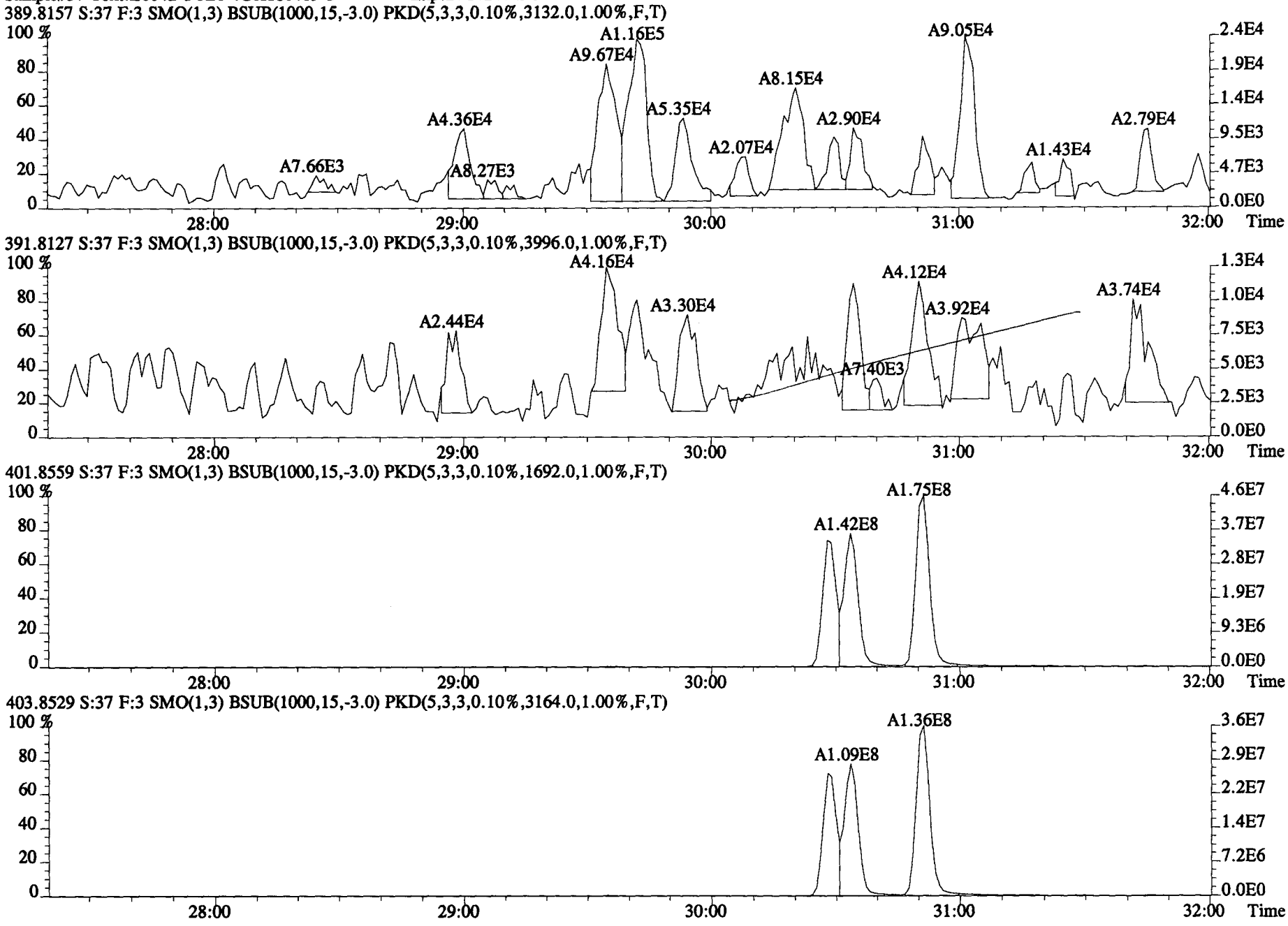
383.8639 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18932.0,1.00%,F,T)



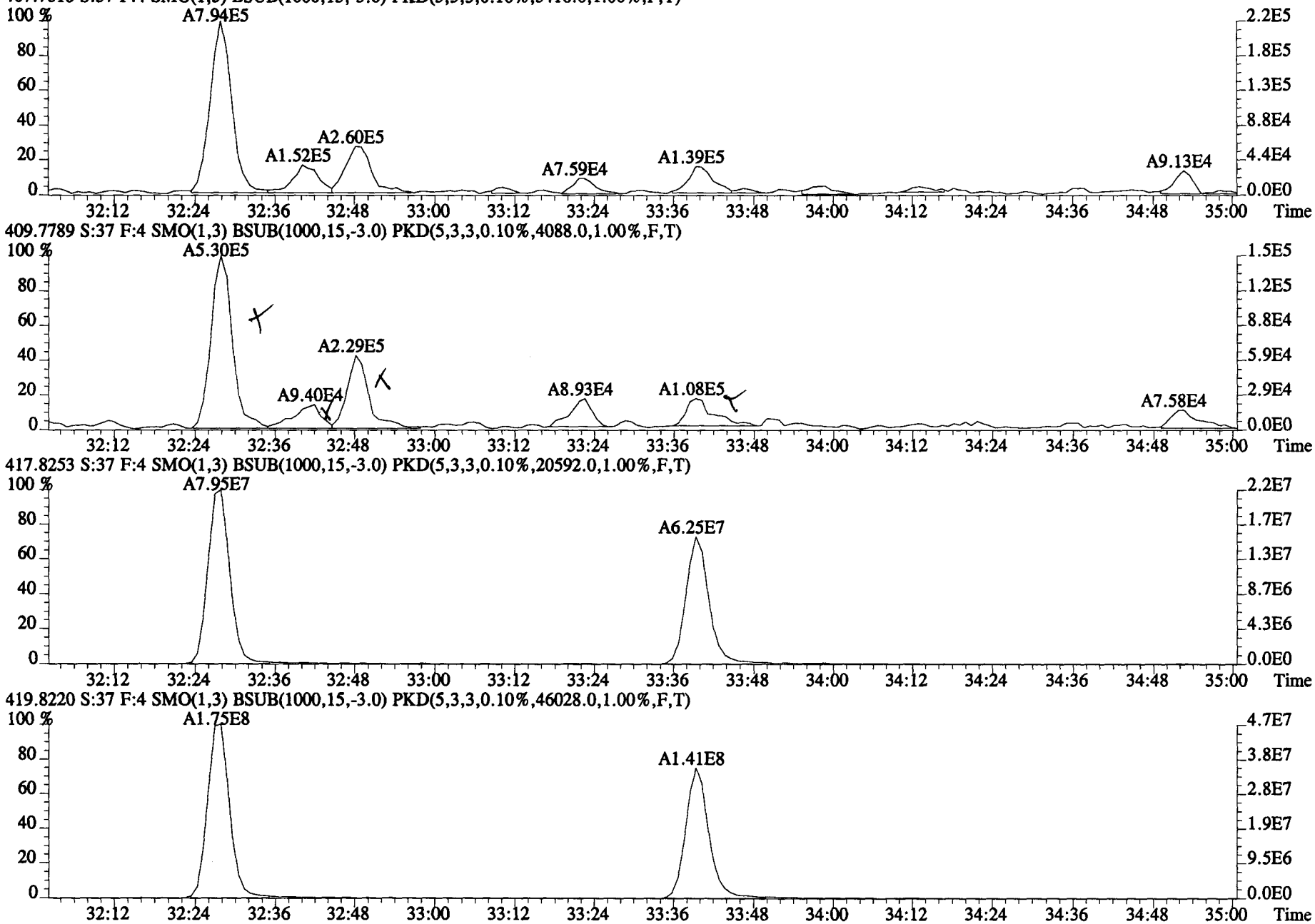
385.8610 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6064.0,1.00%,F,T)



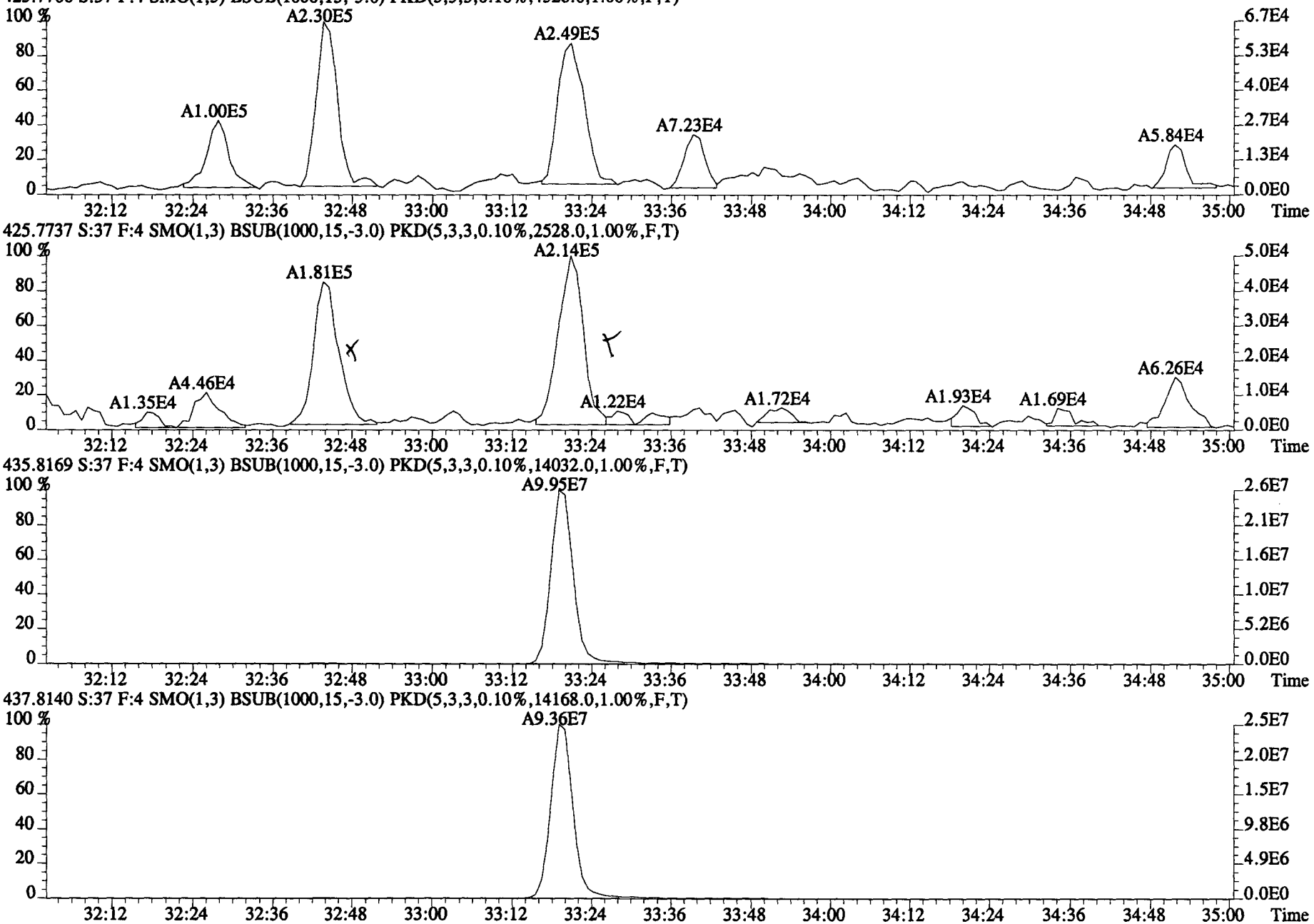
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



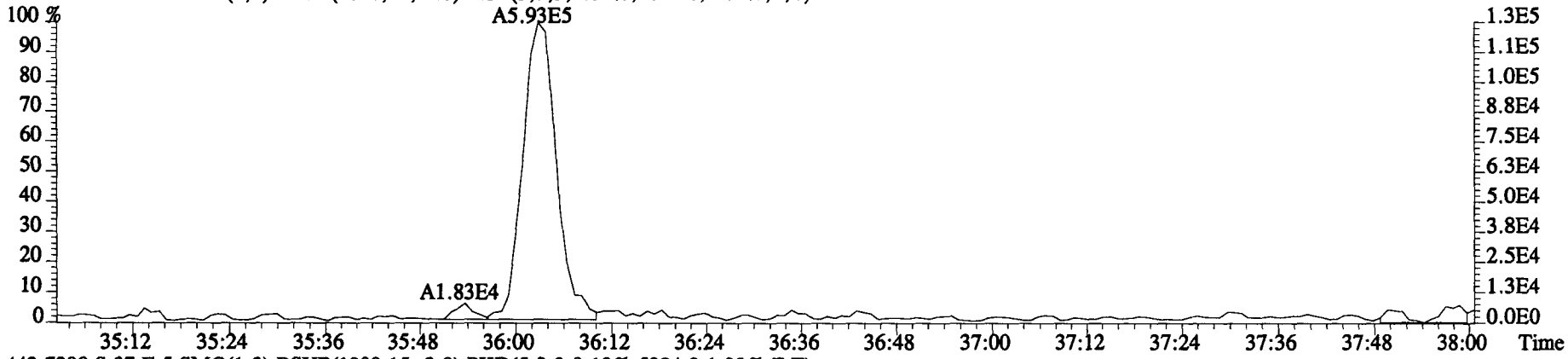
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



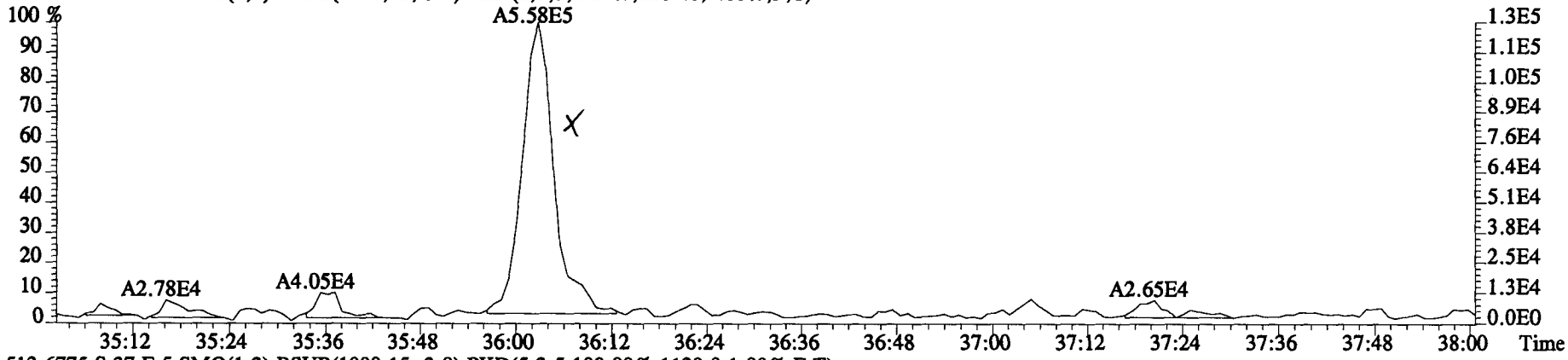
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



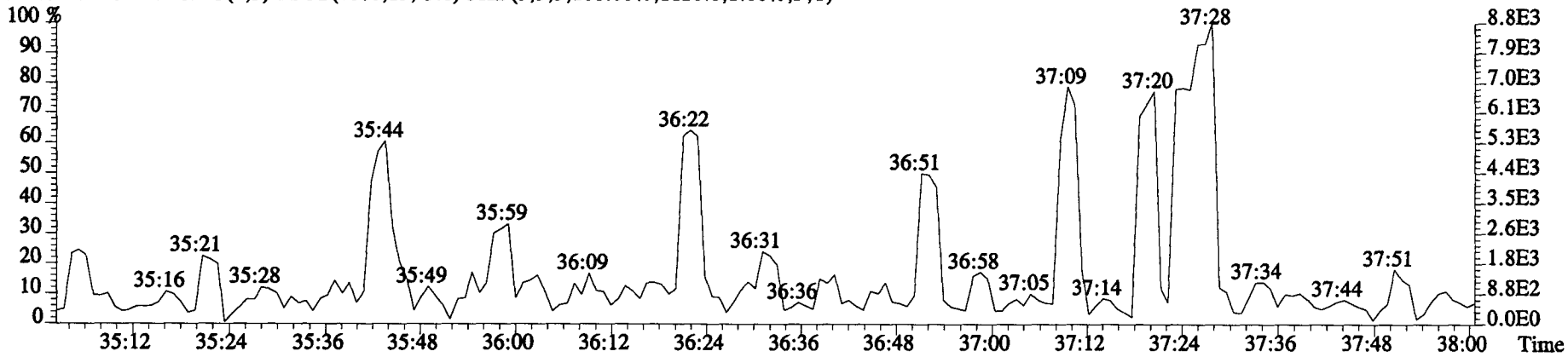
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES
441.7428 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2848.0,1.00%,F,T)



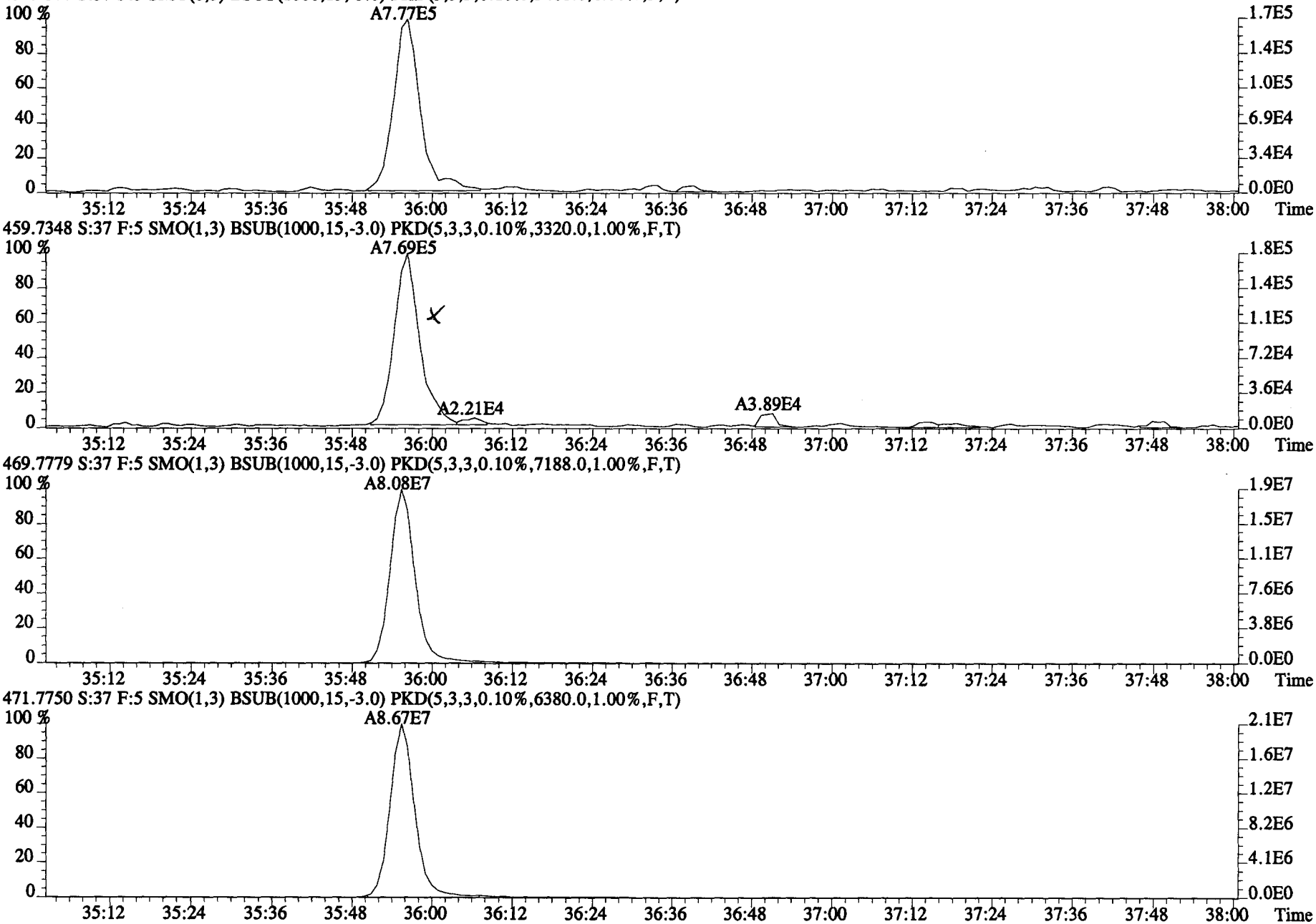
443.7399 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5284.0,1.00%,F,T)



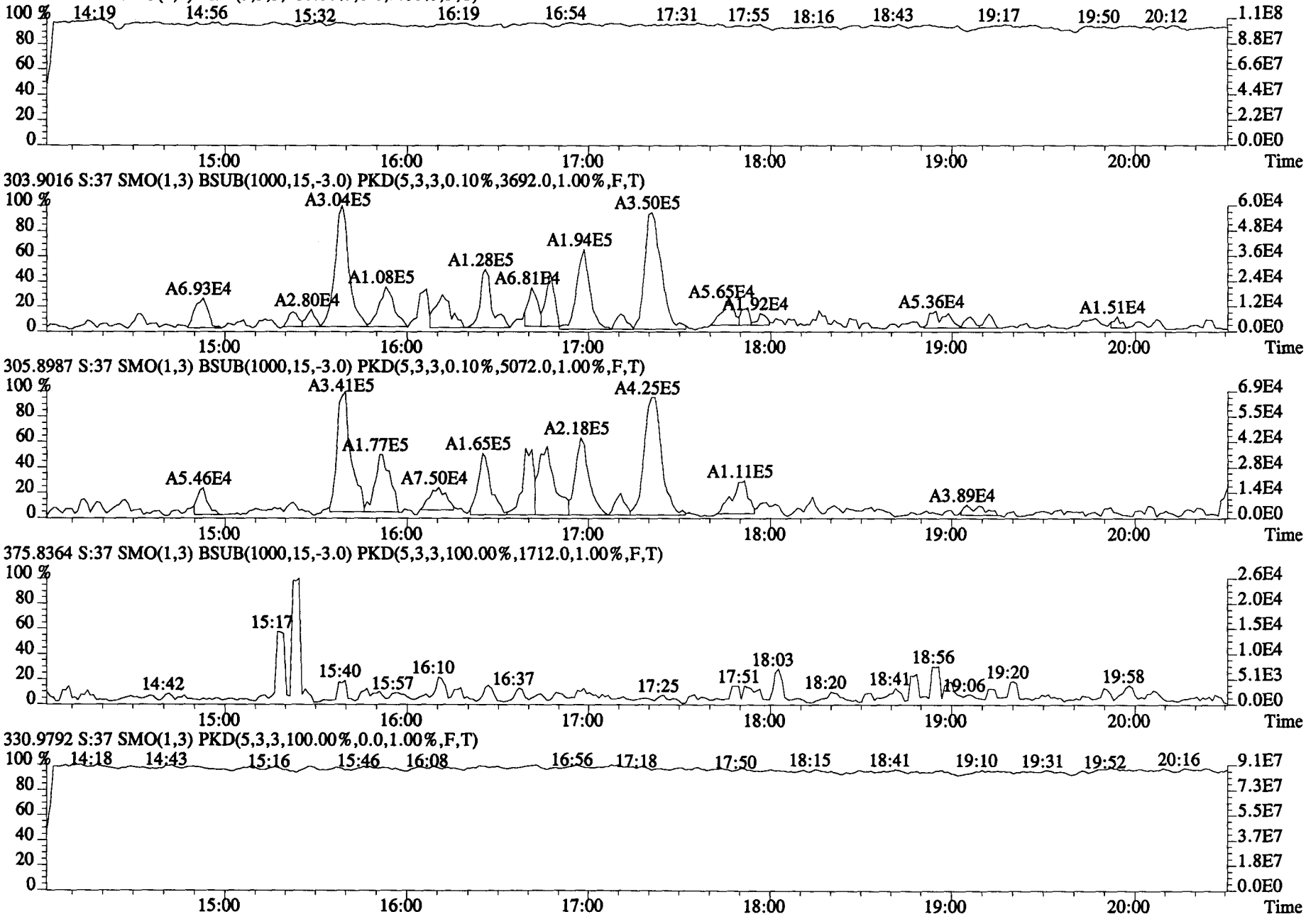
513.6775 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1120.0,1.00%,F,T)



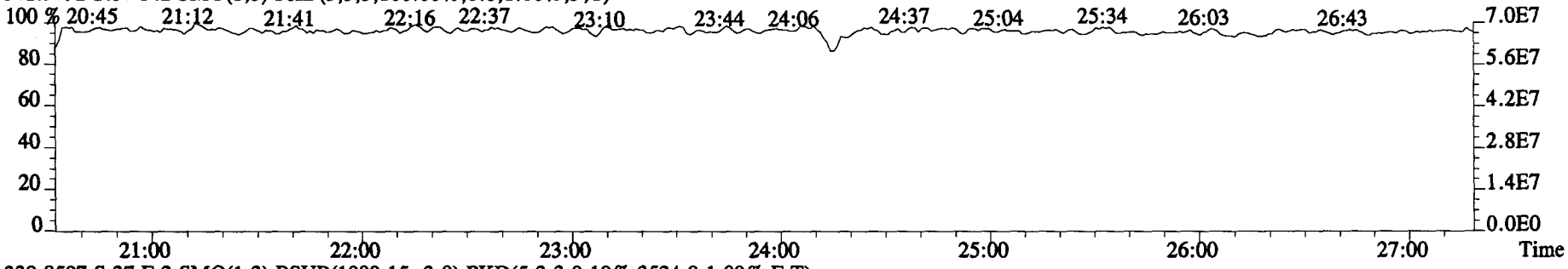
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



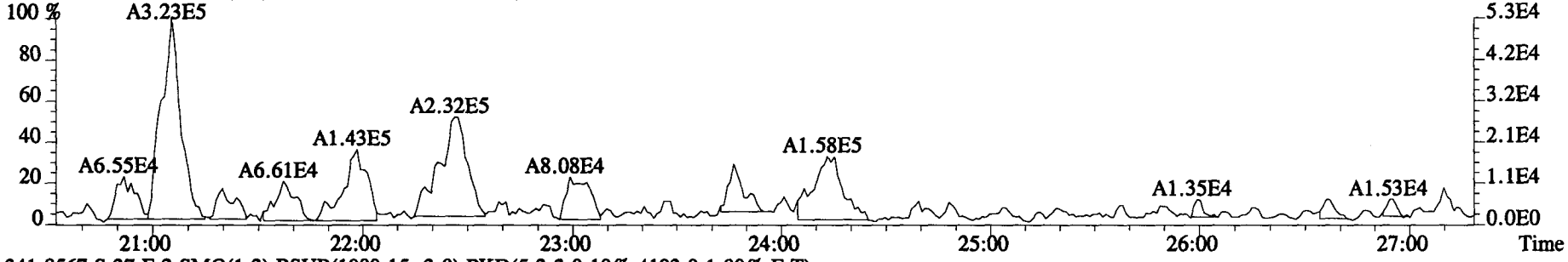
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



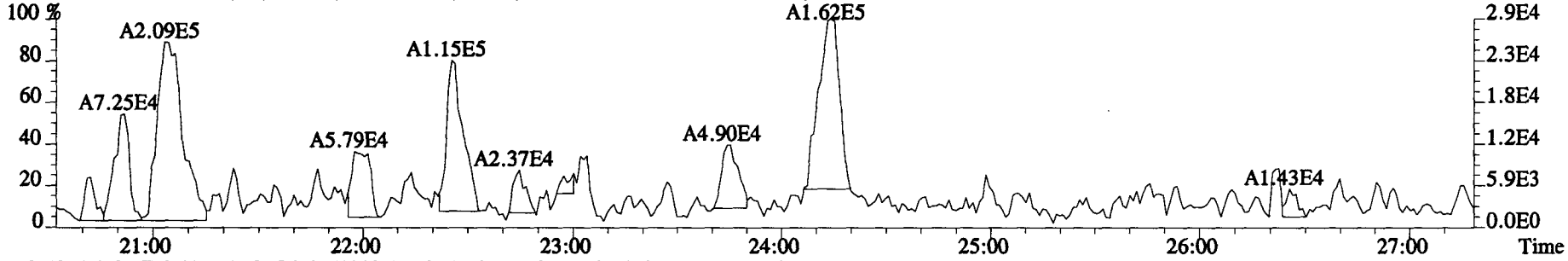
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES
342.9792 S:37 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



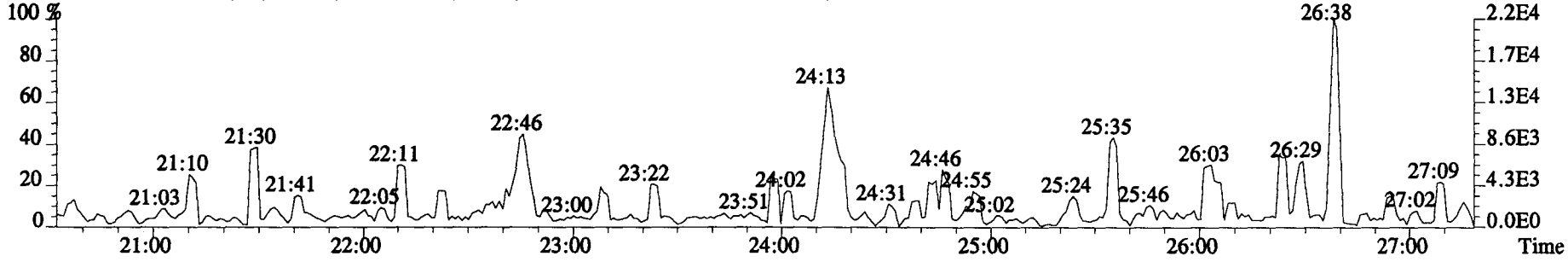
339.8597 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



341.8567 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4192.0,1.00%,F,T)

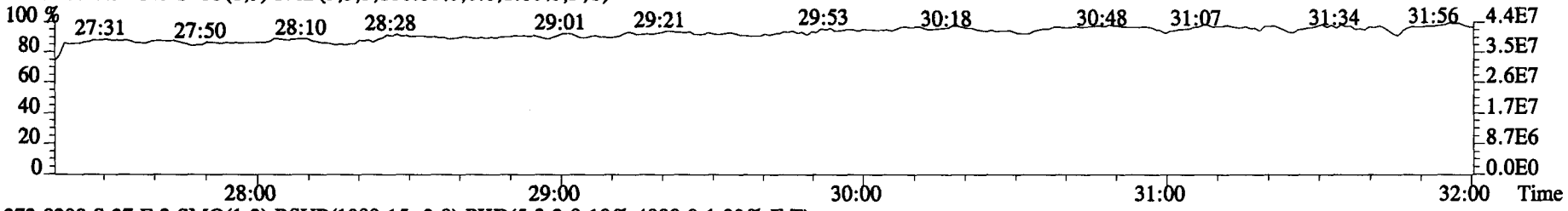


409.7974 S:37 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1432.0,1.00%,F,T)

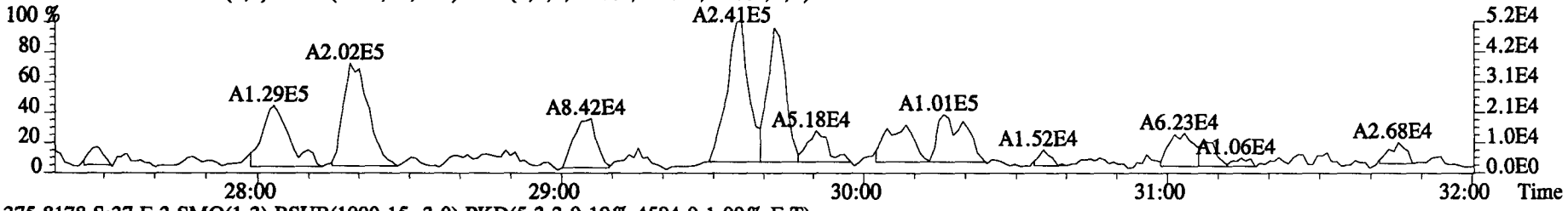


File:22SE10B1D5 #1-301 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES

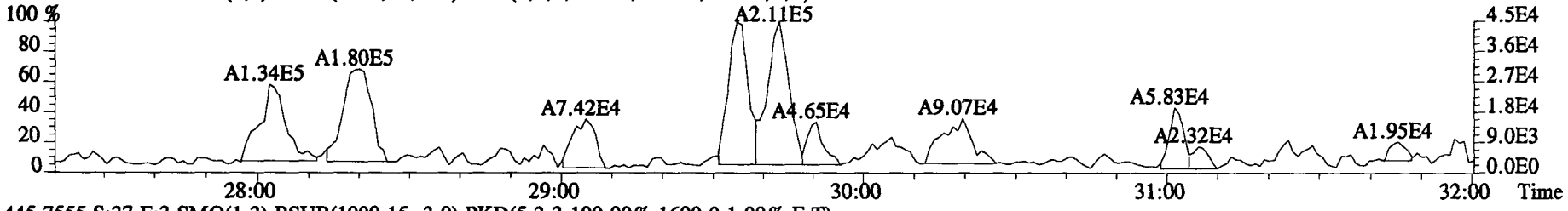
392.9760 S:37 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



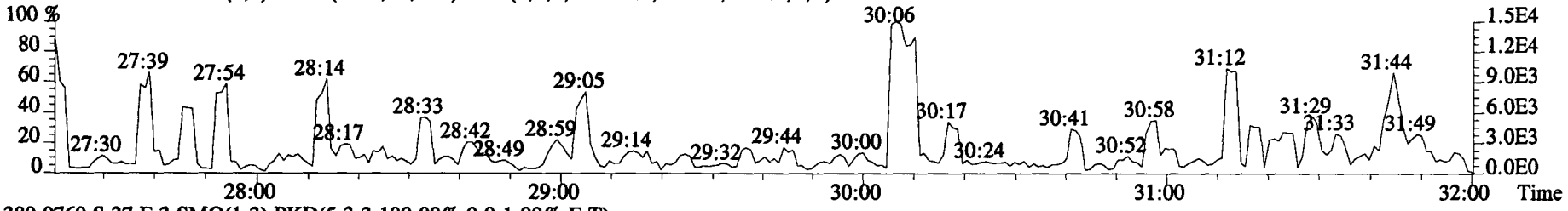
373.8208 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4988.0,1.00%,F,T)



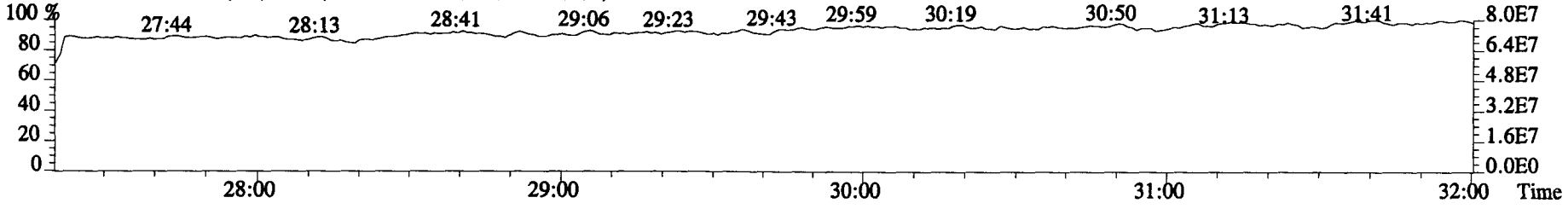
375.8178 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4504.0,1.00%,F,T)



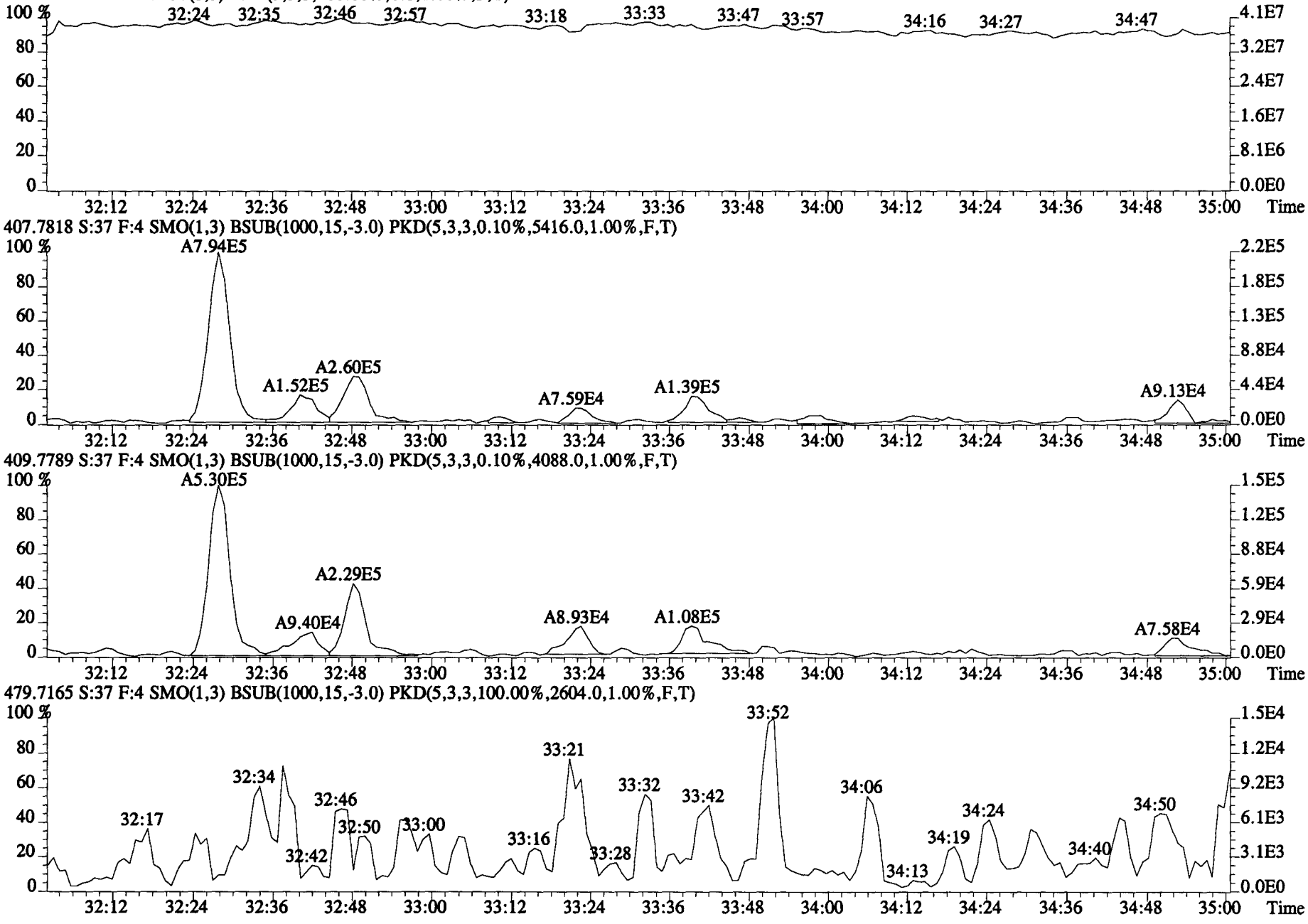
445.7555 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1600.0,1.00%,F,T)



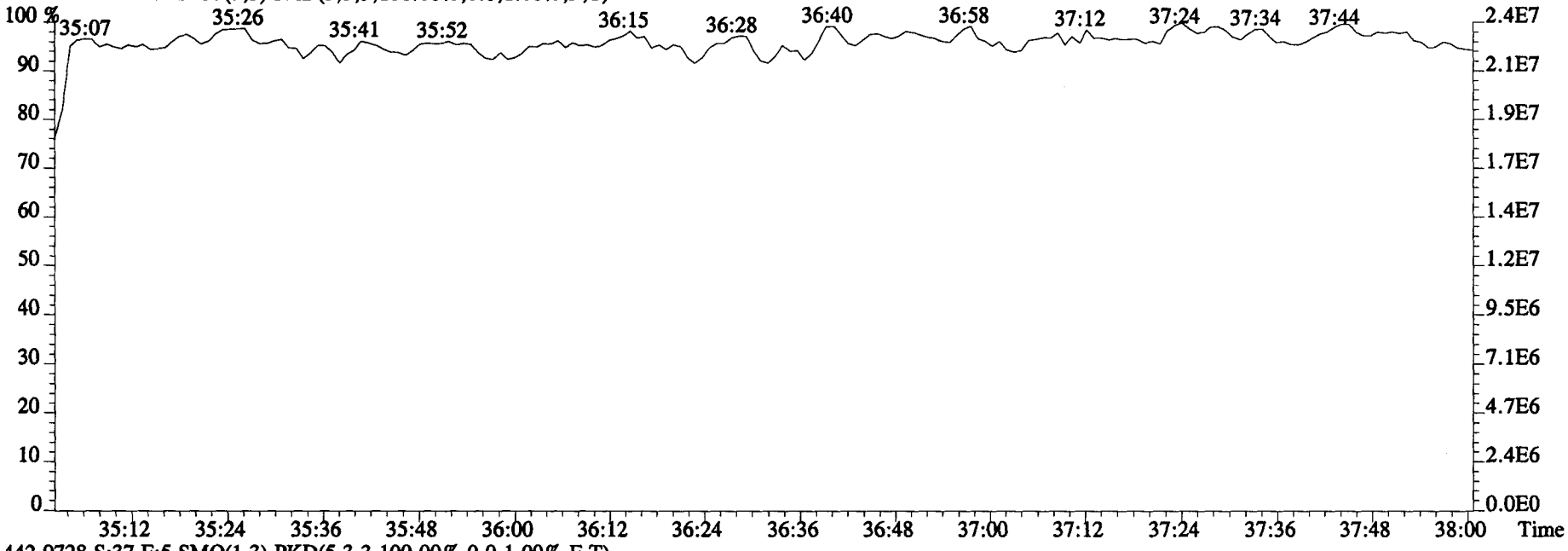
380.9760 S:37 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



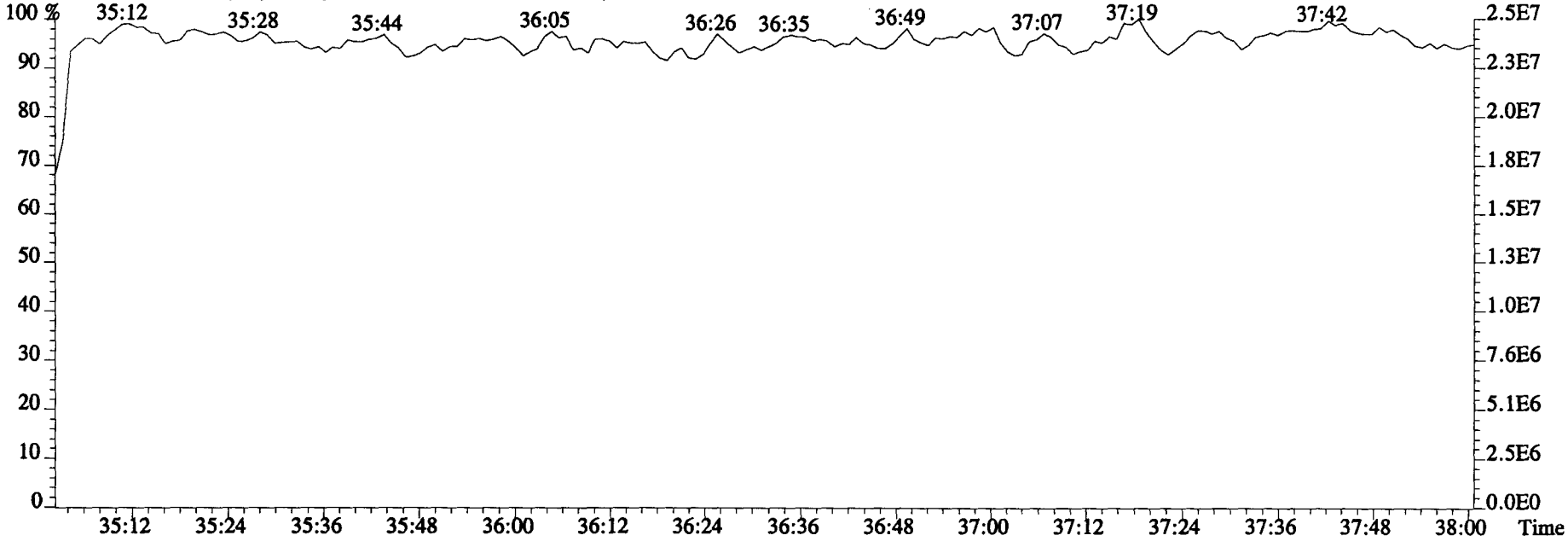
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 01:25:32 GC EI+ Voltage SIR 70SE
Sample#37 Text:L6642-1-AA :G0I180489-1 Exp:DIOXINRES
454.9728 S:37 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:37 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2
Run #12 Filename: 22SE10B1D5 S: 38 I: 1 Results: 22se10b1d5to9
Acquired: 24-SEP-10 02:08:30 Processed: 24-SEP-10 08:34:25
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 Samp

AK 9/24/10

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	410763000	0.81	y	17:55	-	235.10		-	-	n
13C-2,3,7,8-TCDF	563556000	0.81	y	17:22	1.56	3510.97		1.78	87.8	n
2,3,7,8-TCDF	2223522	0.75	y	17:24	0.98	16.04	J	1.08	-	n
Total TCDF	10453585	0.97	n	14:55	0.98	~~75.42~~ 72.06 ✓		~~1.00~~ 1.08	-	n
13C-2,3,7,8-TCDD	332915000	0.81	y	18:06	0.92	3520.42		3.26	88.0	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.03	*		1.55	-	n
Total TCDD	289871	1.63	n	16:08	1.03	~~3.38~~ 1.99 ✓		1.55	-	n
37Cl-2,3,7,8-TCDD	179294200	1.00	y	18:07	1.23	1756.74		1.81	109.8	n
13C-1,2,3,7,8-PeCDF	399782000	1.67	y	22:29	1.05	3698.67		2.92	92.5	n
1,2,3,7,8-PeCDF	1160965	1.41	y	22:30	1.09	10.64	J	1.53	-	n
2,3,4,7,8-PeCDF	503571	1.67	y	23:51	1.02	4.95	J AK 9/24/10	1.64	-	n
Total F2 PeCDF	7730954	1.24	n	20:55	1.05	~~73.12~~ 73.97		1.58	-	y
Total F1 PeCDF	737526	0.63	n	15:26	1.05	~~7.00~~ 74.31 ✓		1.13	-	n
13C-1,2,3,7,8-PeCDD	214819300	1.67	y	24:34	0.56	3729.78		2.06	93.2	n
1,2,3,7,8-PeCDD	51797	1.06	n	24:36	1.07	~~0.90~~		1.94	-	n
Total PeCDD	830947	1.80	n	21:18	1.07	~~14.46~~ 7.10 OK		1.94	-	n
13C-1,2,3,7,8,9-HxCDD	339396000	1.29	y	30:52	-	206.81		-	-	n
13C-1,2,3,4,7,8-HxCDF	335172000	0.52	y	29:36	0.99	3986.72		2.34	99.7	n
1,2,3,4,7,8-HxCDF	1428567	1.23	y	29:37	1.26	13.52	J	0.98	-	y
1,2,3,6,7,8-HxCDF	1749251	1.20	y	29:44	1.53	13.63		0.81	-	y
2,3,4,6,7,8-HxCDF	330248	1.17	y	30:22	1.41	2.80		0.88	-	y
1,2,3,7,8,9-HxCDF	217645	1.28	y	31:04	1.40	1.86		0.89	-	n
Total HxCDF	10160415	1.33	y	28:05	1.40	~~86.71~~ 85.89 ✓		0.89	-	y
13C-1,2,3,6,7,8-HxCDD	253433000	1.30	y	30:35	0.74	4039.10		0.74	101.0	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.12	*		1.20	-	n
1,2,3,6,7,8-HxCDD	106769	0.81	n	30:36	1.14	1.48	JQ	1.18	-	n
1,2,3,7,8,9-HxCDD	176069	1.10	y	30:52	1.35	2.05	J	0.99	-	n
Total HxCDD	1007350	0.86	n	29:01	1.20	~~13.02~~ 10.20 ✓		1.12	-	n
13C-1,2,3,4,6,7,8-HpCDF	252618400	0.45	y	32:29	0.96	3113.96		8.84	77.8	n
1,2,3,4,6,7,8-HpCDF	4836697	1.24	n	32:29	1.41	54.39	JQ	1.91	-	n
1,2,3,4,7,8,9-HpCDF	1350136	0.90	y	33:41	1.24	17.30	J	2.18	-	n
Total HpCDF	8771742	1.24	n	32:29	1.32	~~102.65~~ 97.84 ✓		2.04	-	n
13C-1,2,3,4,6,7,8-HpCDD	188793500	1.07	y	33:20	0.71	3124.20		4.77	78.1	n
1,2,3,4,6,7,8-HpCDD	567240	1.49	n	33:23	1.13	10.59	JQ	1.37	-	n
Total HpCDD	1129072	3.69	n	32:28	1.13	~~21.09~~ 15.27 ✓		1.37	-	n
13C-OCDD	163762300	0.93	y	35:57	0.35	5472.43		6.49	68.4	n
OCDF	4104450	0.86	y	36:04	2.12	94.69	J	2.34	-	n

OCDD	447769	0.88	y	35:58	1.37	15.95	5	1.63	- n

Run text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2
Run #12 Filename: 22SE10B1D5 S: 38 I: 1 Results: 22SE10B1D5TO9
Acquired: 24-SEP-10 02:08:30 Processed: 24-SEP-10 08:34:25
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	410763000	0.81	y	17:55	-	235.10	-	-	n
13C-2,3,7,8-TCDF	563556000	0.81	y	17:22	1.56	3510.97	1.78	87.8	n
2,3,7,8-TCDF	2223522	0.75	y	17:24	0.98	16.04	1.08	-	n
Total TCDF	10453585	0.97	n	14:55	0.98	75.42	1.08	-	n
13C-2,3,7,8-TCDD	332915000	0.81	y	18:06	0.92	3520.42	3.26	88.0	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.03	*	1.55	-	n
Total TCDD	289871	1.63	n	16:08	1.03	3.38	1.55	-	n
37Cl-2,3,7,8-TCDD	179294200	1.00	y	18:07	1.23	1756.74	1.81	109.8	n
13C-1,2,3,7,8-PeCDF	399782000	1.67	y	22:29	1.05	3698.67	2.92	92.5	n
1,2,3,7,8-PeCDF	1160965	1.41	y	22:30	1.09	10.64	1.53	-	n
2,3,4,7,8-PeCDF	503571	1.67	y	23:51	1.02	4.95	1.64	-	n
Total F2 PeCDF	7416293	1.24	n	20:55	1.05	70.14	1.58	-	n
Total F1 PeCDF	737526	0.63	n	15:26	1.05	7.00	1.13	-	n
13C-1,2,3,7,8-PeCDD	214819300	1.67	y	24:34	0.56	3729.78	2.06	93.2	n
1,2,3,7,8-PeCDD	51797	1.06	n	24:36	1.07	0.90	1.94	-	n
Total PeCDD	830947	1.80	n	21:18	1.07	14.46	1.94	-	n
13C-1,2,3,7,8,9-HxCDD	339396000	1.29	y	30:52	-	206.81	-	-	n
13C-1,2,3,4,7,8-HxCDF	335172000	0.52	y	29:36	0.99	3986.72	2.34	99.7	n
1,2,3,4,7,8-HxCDF	2291000	1.14	y	29:37	1.26	21.68	0.98	-	n
1,2,3,6,7,8-HxCDF	1697317	1.24	y	29:44	1.53	13.23	0.81	-	n
2,3,4,6,7,8-HxCDF	727290	1.03	n	30:18	1.41	6.17	0.88	-	n
1,2,3,7,8,9-HxCDF	217645	1.28	y	31:04	1.40	1.86	0.89	-	n
Total HxCDF	10127974	1.33	y	28:05	1.40	87.26	0.89	-	n
13C-1,2,3,6,7,8-HxCDD	253433000	1.30	y	30:35	0.74	4039.10	0.74	101.0	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.12	*	1.20	-	n
1,2,3,6,7,8-HxCDD	106769	0.81	n	30:36	1.14	1.48	1.18	-	n
1,2,3,7,8,9-HxCDD	176069	1.10	y	30:52	1.35	2.05	0.99	-	n
Total HxCDD	1007350	0.86	n	29:01	1.20	13.02	1.12	-	n
13C-1,2,3,4,6,7,8-HpCDF	252618400	0.45	y	32:29	0.96	3113.96	8.84	77.8	n
1,2,3,4,6,7,8-HpCDF	4836697	1.24	n	32:29	1.41	54.39	1.91	-	n
1,2,3,4,7,8,9-HpCDF	1350136	0.90	y	33:41	1.24	17.30	2.18	-	n
Total HpCDF	8771742	1.24	n	32:29	1.32	102.65	2.04	-	n
13C-1,2,3,4,6,7,8-HpCDD	188793500	1.07	y	33:20	0.71	3124.20	4.77	78.1	n
1,2,3,4,6,7,8-HpCDD	567240	1.49	n	33:23	1.13	10.59	1.37	-	n
Total HpCDD	1129072	3.69	n	32:28	1.13	21.09	1.37	-	n
13C-OCDD	163762300	0.93	y	35:57	0.35	5472.43	6.49	68.4	n
OCDF	4104450	0.86	y	36:04	2.12	94.69	2.34	-	n
OCDD	447769	0.88	y	35:58	1.37	15.95	1.63	-	n

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:14
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	37.71 of which	8.02 named and	29.69 unnamed
Conc:	75.42 of which	16.04 named and	59.38 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:55	0.97	n	1.25	95458	5.7	y	n
						98099	4.0	y	n
	2	15:26	1.03	n	0.86	69368	2.1	n	n
						67419	2.5	n	n
	3	15:42	0.70	y	13.61	779032	33.9	y	n
						1107430	35.9	y	n
	4	15:56	0.68	y	5.28	296777	11.3	y	n
						435561	11.8	y	n
	5	16:12	0.75	y	4.67	277270	7.8	y	n
						370061	10.1	y	n
	6	16:28	0.84	y	7.93	500311	19.6	y	n
						598476	19.1	y	n
	7	16:44	0.60	n	5.09	306670	11.2	y	n
						513608	13.7	y	n
	8	16:49	0.80	y	6.10	375482	16.4	y	n
						470644	15.0	y	n
	9	17:01	0.81	y	9.22	573390	24.2	y	n
						705183	23.1	y	n
	10	17:14	0.86	y	1.99	127904	3.7	y	n
						148425	4.3	y	n
2,3,7,8-TCDF	11	17:24	0.75	y	16.04	950782	33.6	y	n
						1272740	33.1	y	n
	12	17:49	0.65	n	1.50	90436	3.0	n	n
						139118	4.1	y	n
	13	18:04	0.75	y	1.17	69793	3.6	y	n
						92770	2.9	n	n
	14	19:17	1.96	n	0.69	106075	3.8	y	n
						54101	1.9	n	n

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:3
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	1.69 of which	* named and	1.69	unnamed
Conc:	3.38 of which	* named and	3.38	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:08	1.63	n	1.99 ✓	157295	6.3	y	n
						96718	5.5	y	n
	2	17:00	2.19	n	0.53	55953	2.5	n	n
						25569	1.3	n	n
	3	17:22	2.61	n	0.86	108472	4.5	y	n
						41481	2.3	n	n

 see 3A

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:12
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	35.07 of which	7.79 named and	27.28 unnamed
Conc:	70.14 of which	15.59 named and	54.55 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:55	1.24	n	3.46	221652	11.7	y	n
						178127	5.9	y	n
	2	21:09	1.74	y	22.90	1531960	59.5	y	n
						882512	20.3	y	n
	3	21:23	1.67	y	2.25	148457	6.3	y	n
						88693	3.9	y	n
	4	21:37	1.44	y	3.03	188587	5.9	y	n
						130656	2.7	n	n
	5	22:02	2.21	n	6.88	629084	17.8	y	n
						284402	8.6	y	n
	6	22:24	1.88	n	3.10	241828	9.9	y	n
						128372	4.5	y	n
1,2,3,7,8-PeCDF	7	22:30	1.41	y	10.64	679207	31.8	y	n
						481758	15.2	y	n
	8	22:48	1.42	y	1.94	119569	4.2	y	n
						84489	2.7	n	n
	9	23:03	2.50	n	3.79	391223	12.3	y	n
						156646	3.9	y	n
2,3,4,7,8-PeCDF	10	23:51	1.67	y	4.95	314874	12.2	y	n
						188697	5.6	y	n
	11	24:15	1.09	n	5.91	378997	8.8	y	n
						348197	7.8	y	n
	12	25:52	1.52	y	1.30	82494	3.8	y	n
						54154	2.0	n	n

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:3
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	3.50 of which	* named and	3.50 unnamed

 3A

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? yes #Hom:12
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	36.56 of which	7.79 named and	28.77 unnamed
Conc:	73.12 of which	15.59 named and	57.54 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:55	1.24	n	3.46	221652	11.7	y	n
						178127	5.9	y	n
	2	21:09	1.74	y	22.90	1531960	59.5	y	n
						882512	20.3	y	n
	3	21:23	1.67	y	2.25	148457	6.3	y	n
						88693	3.9	y	n
	4	21:37	1.44	y	3.03	188587	5.9	y	n
						130656	2.7	n	n
	5	22:02	1.52	y	9.86	627216	18.0	y	y
						412668	8.6	y	y
	6	22:24	1.88	n	3.10	241828	9.9	y	n
						128372	4.5	y	n
1,2,3,7,8-PeCDF	7	22:30	1.41	y	10.64	679207	31.8	y	n
						481758	15.2	y	n
	8	22:48	1.42	y	1.94	119569	4.2	y	n
						84489	2.7	n	n
	9	23:03	2.50	n	3.79	391223	12.3	y	n
						156647	3.9	y	n
2,3,4,7,8-PeCDF	10	23:51	1.67	y	4.95	314874	12.2	y	n
						188697	5.6	y	n
	11	24:15	1.09	n	5.91	378997	8.8	y	n
						348198	7.8	y	n
	12	25:52	1.52	y	1/30	82495	3.8	y	n
						54153	2.0	n	y

Conc: 7.00 of which * named and 7.00 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:26	0.63	n	2.35	150818	15.0	y	n
						239883	13.0	y	n
	2	19:06	0.83	n	2.15	137720	10.4	y	n
						165601	7.0	y	n
	3	19:33	1.41	y	2.49	153916	11.2	y	n
						108918	4.6	y	n

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:6
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount: 7.23 of which 0.45 named and 6.78 unnamed
Conc: 14.46 of which 0.90 named and 13.55 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:18	1.80	n	2.09	84810	4.2	y	n
						47003	3.6	y	n
	2	22:32	2.33	n	2.34	122774	4.2	y	n
						52758	4.7	y	n
	3	23:03	0.66	n	0.93	32391	1.8	n	n
						48857	6.0	y	n
	4	23:48	2.02	n	1.10	50060	2.3	n	n
						24730	2.8	n	n
	5	24:16	2.11	n	7.10	337915	15.3	y	n
						160160	8.2	y	n
1,2,3,7,8-PeCDD	6	24:36	1.06	n	0.90	31485	2.2	n	n
						29749	2.5	n	n

see 6A

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:14
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	43.63	of which	21.47	named and	22.16	unnamed			
Conc:	87.26	of which	42.94	named and	44.32	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:05	1.33	y	9.20	614460	22.4	y	n
						463687	17.0	y	n
	2	28:21	1.41	y	17.40	1192580	45.4	y	n
						846689	32.3	y	n
	3	28:40	3.04	n	0.60	96108	2.7	n	n
						31598	1.7	n	n
	4	28:51	1.49	n	2.66	208062	8.9	y	n
						139229	6.3	y	n
	5	29:05	1.41	y	3.18	218121	10.5	y	n
						154624	7.1	y	n
	6	29:16	1.99	n	0.22	23049	1.8	n	n
						11569	0.6	n	n
1,2,3,4,7,8-HxCDF	7	29:37	1.14	y	21.68	1218530	62.5	y	n
						1072470	49.2	y	n
1,2,3,6,7,8-HxCDF	8	29:44	1.24	y	13.23	938646	54.6	y	n
						758671	42.7	y	n
	9	29:52	1.15	y	4.54	285200	13.6	y	n
						247348	10.1	y	n
	10	30:06	1.14	y	3.69	230363	10.4	y	n
						201861	8.0	y	n
2,3,4,6,7,8-HxCDF	11	30:18	1.03	n	6.17	402607	13.5	y	n
						390536	14.9	y	n
1,2,3,7,8,9-HxCDF	12	31:04	1.28	y	1.86	122112	8.6	y	n
						95533	5.6	y	n
	13	31:08	1.11	y	2.34	144444	8.6	y	n
						130105	7.6	y	n
	14	31:47	1.05	n	0.48	31373	2.0	n	n
						29957	2.1	n	n

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

EA

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:16
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	43.36 of which	15.91 named and	27.45 unnamed
Conc:	86.71 of which	31.82 named and	54.90 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:05	1.33	y	9.20	614460	22.4	y	n
						463687	17.0	y	n
	2	28:21	1.41	y	17.40	1192580	45.4	y	n
						846689	32.3	y	n
	3	28:40	3.04	n	0.60	96109	2.7	n	n
						31598	1.7	n	n
	4	28:51	1.49	n	2.66	208062	8.9	y	n
						139229	6.3	y	n
	5	29:05	1.41	y	3.18	218121	10.5	y	n
						154624	7.1	y	n
	6	29:16	1.99	n	0.22	23049	1.8	n	n
						11569	0.6	n	n
	7	29:35	0.98	n	6.89	447196	37.0	y	y
						457721	36.8	y	y
1,2,3,4,7,8-HxCDF	8	29:37	1.23	y	13.52	788631	62.9	y	y
						639936	49.6	y	y
1,2,3,6,7,8-HxCDF	9	29:44	1.20	y	13.63	953337	55.0	y	y
						795914	43.2	y	y
	10	29:52	1.25	y	4.61	300432	14.0	y	y
						239872	10.5	y	y
	11	30:06	1.14	y	3.69	230363	10.4	y	n
						201861	8.0	y	n
	12	30:18	0.94	n	3.62	234929	13.9	y	y
						249298	15.4	y	y
2,3,4,6,7,8-HxCDF	13	30:22	1.17	y	2.80	178361	12.9	y	y
						151887	10.4	y	y
1,2,3,7,8,9-HxCDF	14	31:04	1.28	y	1.86	122112	8.6	y	n
						95533	5.6	y	n
	15	31:08	1.11	y	2.34	144444	8.6	y	n
						130105	7.6	y	n

16	31:47	1.05	n	0.48	31373	2.0	n	n
					29957	2.1	n	n

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:7
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	6.51 of which	1.76 named and	4.75 unnamed
Conc:	13.02 of which	3.53 named and	9.49 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	29:01	0.86	n	0.84	35594	2.1	n	n
						41177	3.3	y	n
	2	29:38	2.16	n	3.92	288320	8.8	y	n
						133734	4.6	y	n
	3	29:56	1.23	y	2.75	115980	6.8	y	n
						94072	3.9	y	n
	4	30:21	3.93	n	0.81	108605	5.9	y	n
						27654	2.1	n	n
1,2,3,6,7,8-HxCDD	5	30:36	0.81	n	1.48	59104	3.5	y	n
						73394	4.0	y	n
1,2,3,7,8,9-HxCDD	6	30:52	1.10	y	2.05	92413	4.5	y	n
						83656	4.0	y	n
	7	31:47	1.18	y	1.16 <S/N OW	47931	4.1	y	n
						40722	3.5	y	n

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:6
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	51.32 of which	35.84 named and	15.48	unnamed
Conc:	102.65 of which	71.69 named and	30.96	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:29	1.24	n	54.39	2946790	108.8	y	n
						2370930	77.8	y	n
	2	32:42	1.23	n	9.41	474326	18.0	y	n
						385125	13.0	y	n
	3	32:49	1.20	n	16.75	824464	25.6	y	n
						685343	23.6	y	n
	4	33:24	0.66	n	2.58	109758	3.7	y	n
						165682	4.8	y	n
1,2,3,4,7,8,9-HpCDF	5	33:41	0.90	y	17.30	638257	22.9	y	n
						711879	21.3	y	n
	6	34:54	0.78	n	2.23	94752	2.8	n	n
						121260	4.1	y	n

Not altpF

Run Text: L6643-1-AA Sample text: L6643-1-AA :G0I180489-2

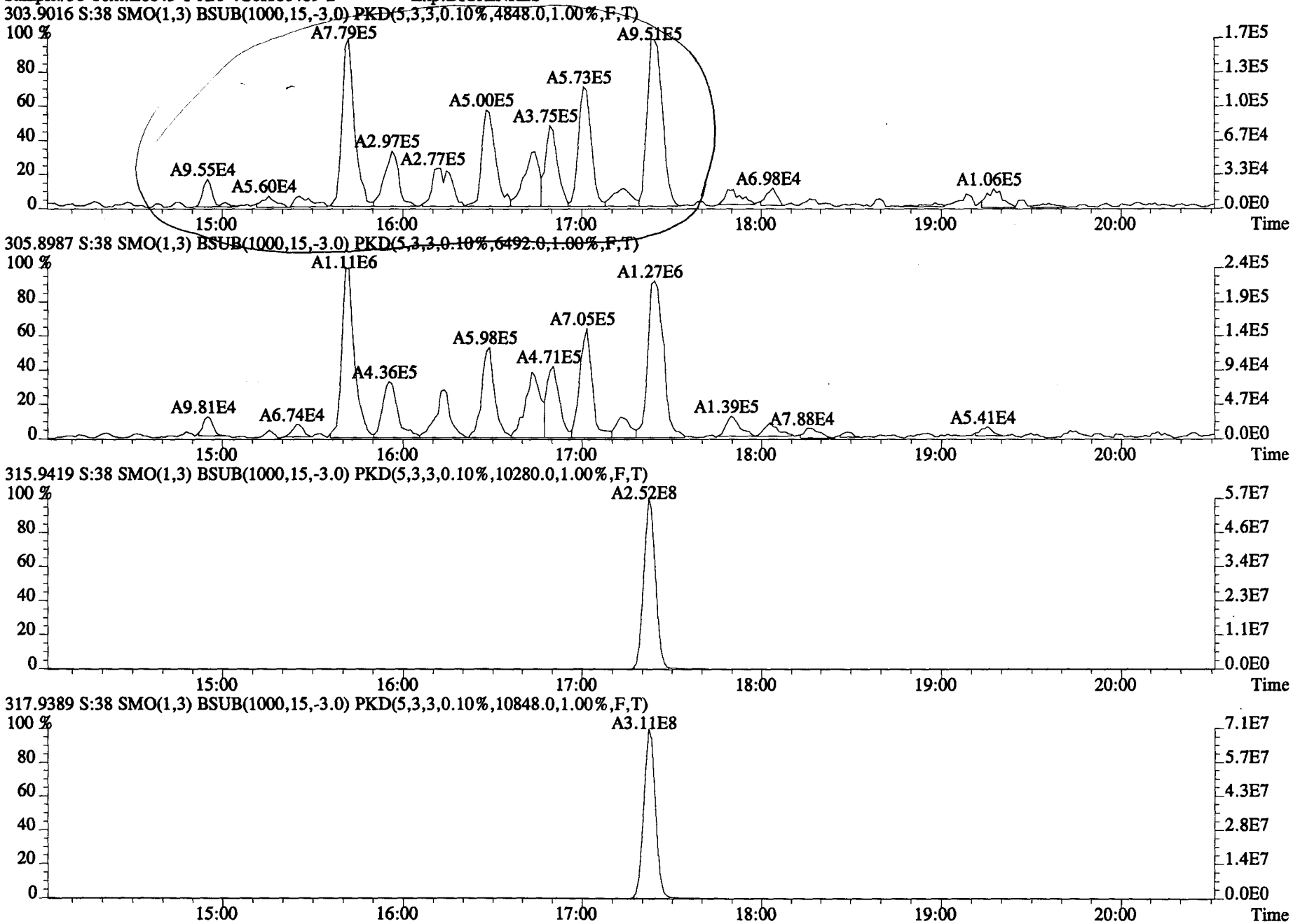
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:5
Run: 12 File: 22SE10B1D5 S:38 Acq:24-SEP-10 02:08:30
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	10.54 of which	5.30 named and	5.25	unnamed
Conc:	21.09 of which	10.59 named and	10.49	unnamed

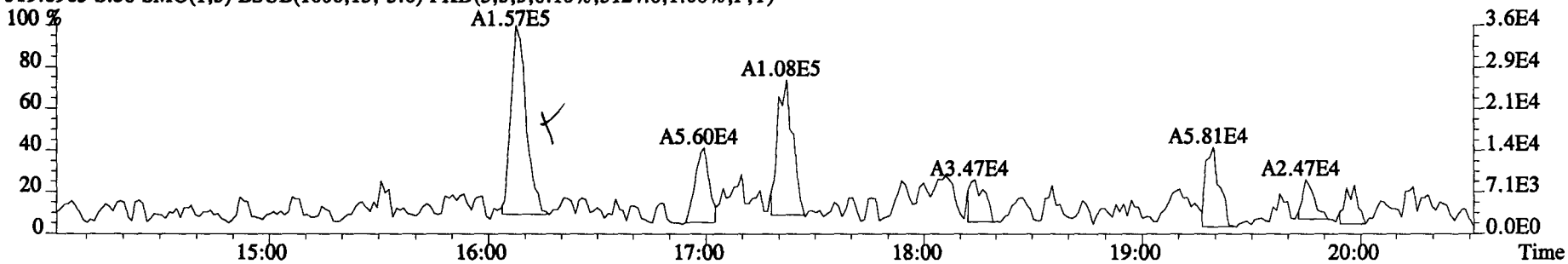
Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:28	3.69	n	1.01	97990	9.3	y	n
						26581	2.4	n	n
	2	32:45	1.70	n	4.68	208928	15.4	y	n
						122875	9.4	y	n
1,2,3,4,6,7,8-HpCDD	3	33:23	1.49	n	10.59	413352	27.5	y	n
						278059	18.2	y	n
	4	33:41	2.02	n	1.44	76344	7.1	y	n
						37733	2.2	n	n
	5	34:53	1.10	y	3.36	94227	9.4	y	n

85739 5.3 y n

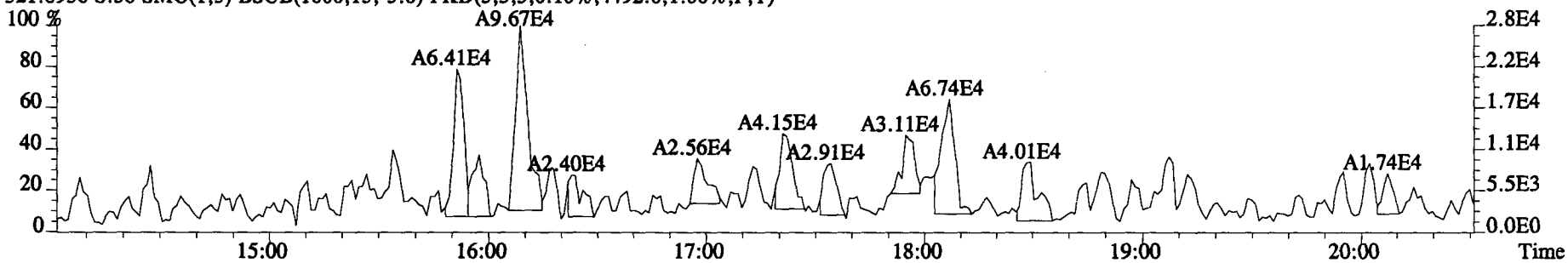
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



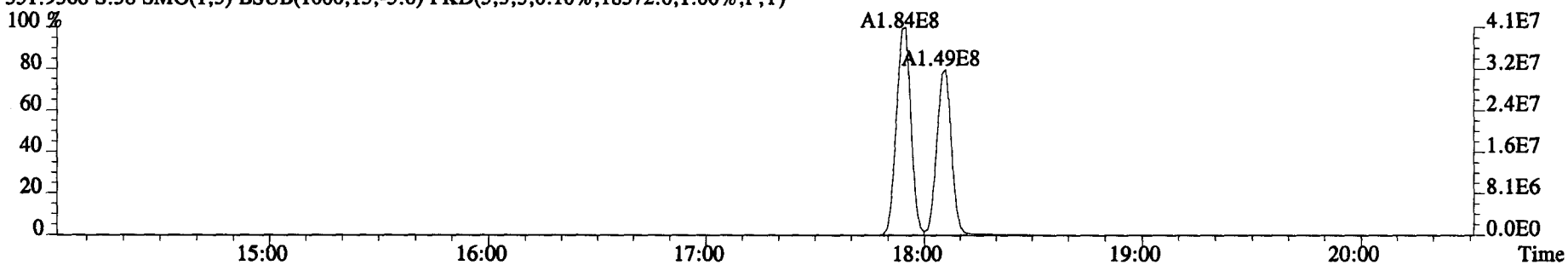
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES
319.8965 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5124.0,1.00%,F,T)



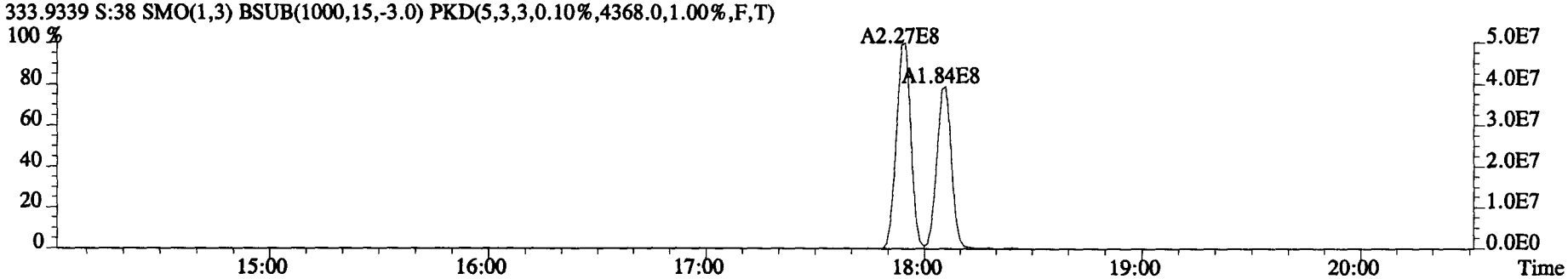
321.8936 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4492.0,1.00%,F,T)



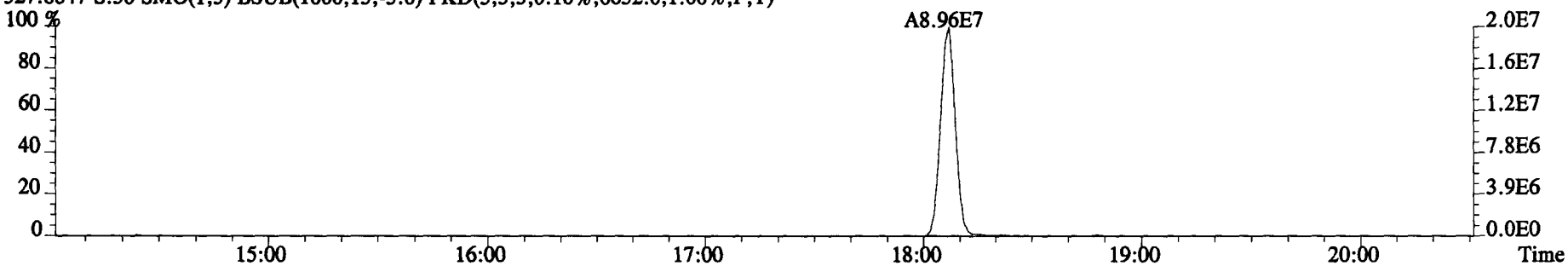
331.9368 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18372.0,1.00%,F,T)



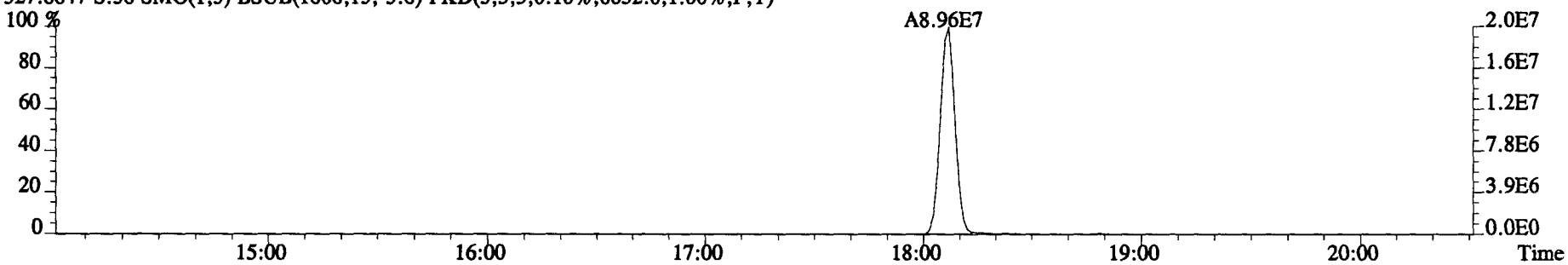
333.9339 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4368.0,1.00%,F,T)



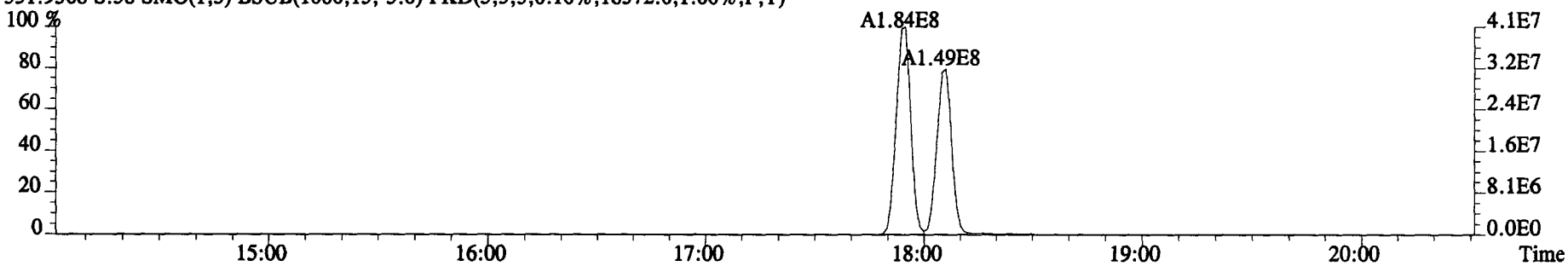
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES
327.8847 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6652.0,1.00%,F,T)



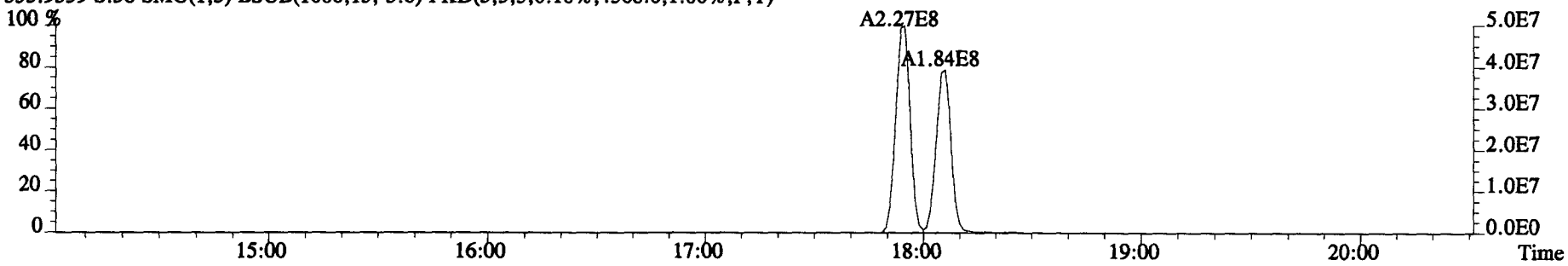
327.8847 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6652.0,1.00%,F,T)



331.9368 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18372.0,1.00%,F,T)

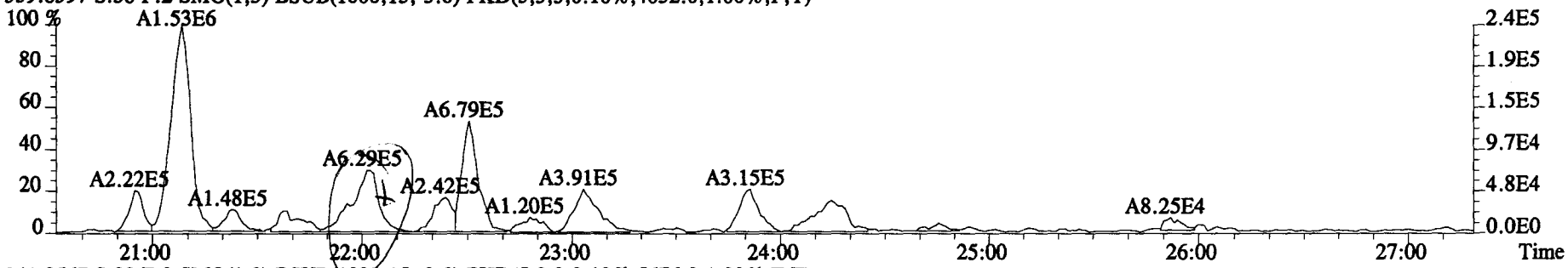


333.9339 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4368.0,1.00%,F,T)

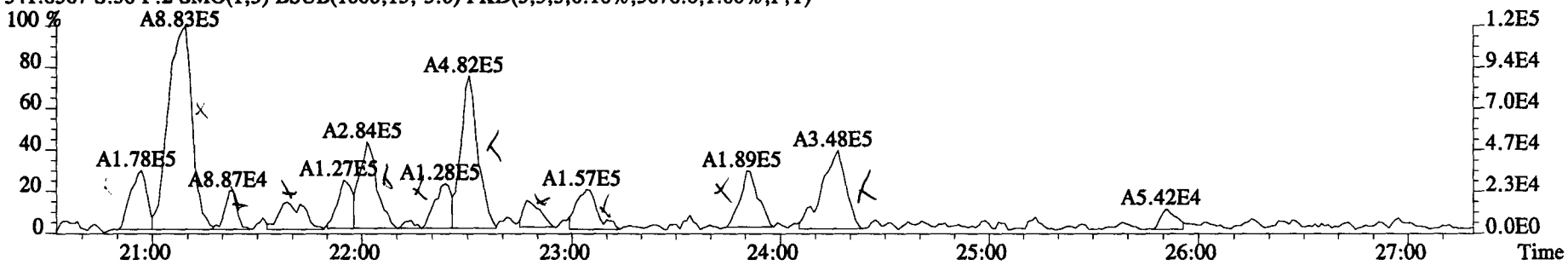


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES

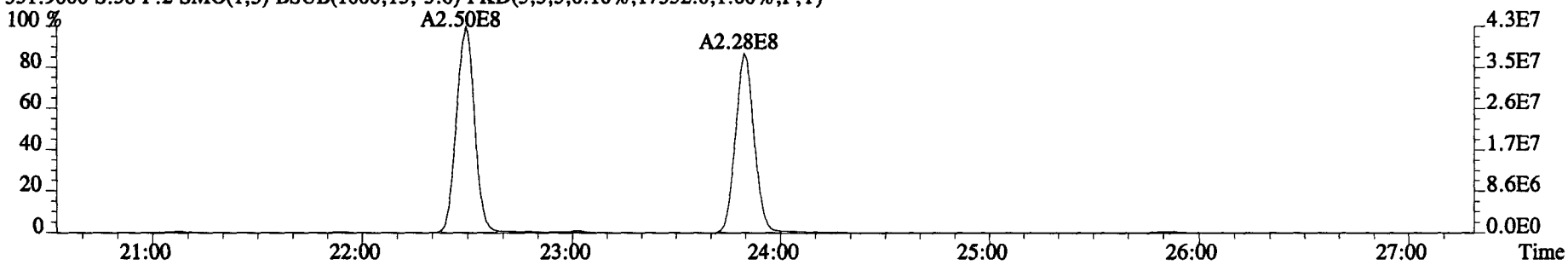
339.8597 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4032.0,1.00%,F,T)



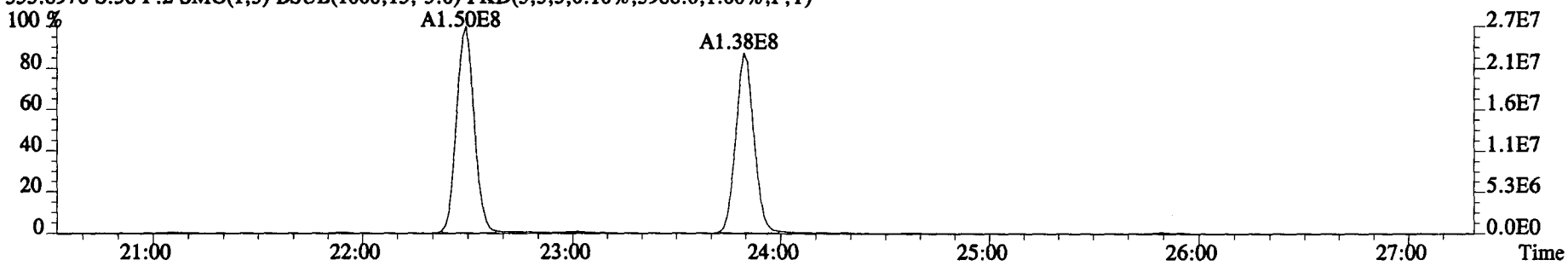
341.8567 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5676.0,1.00%,F,T)



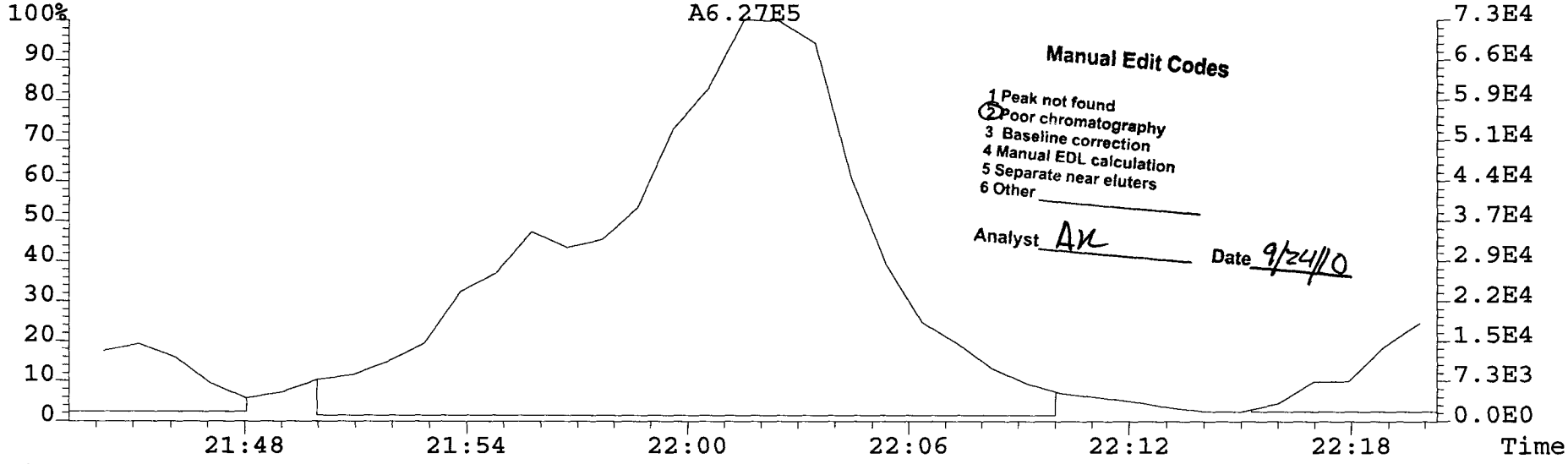
351.9000 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17352.0,1.00%,F,T)



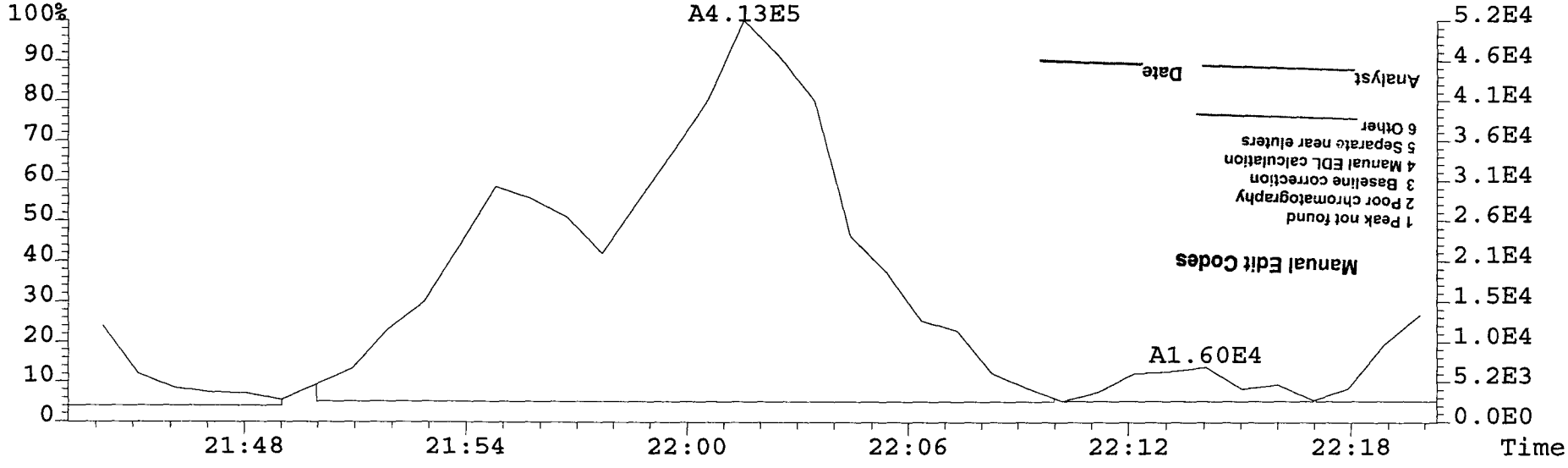
353.8970 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5988.0,1.00%,F,T)



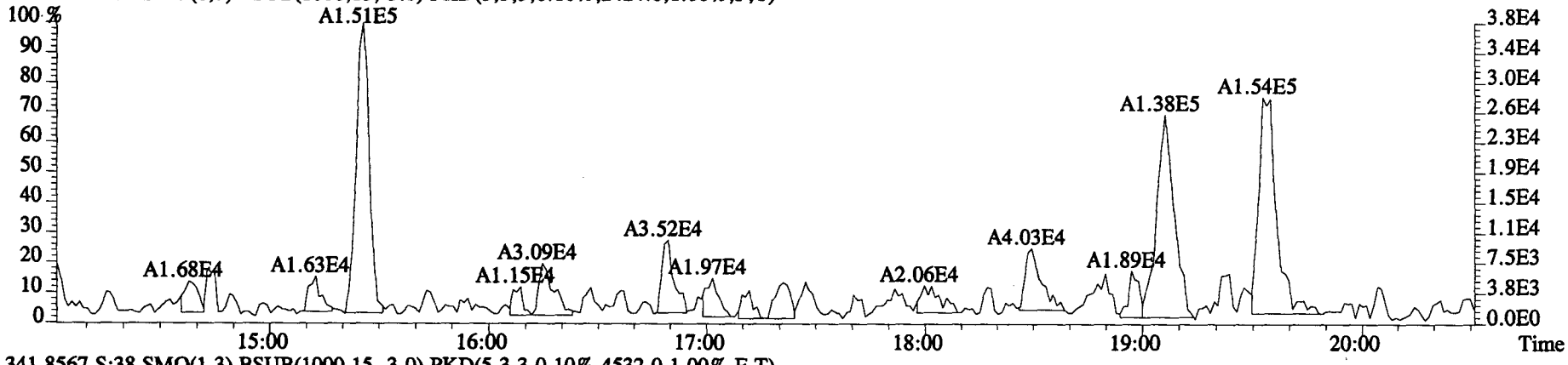
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
339.8597 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4032.0,1.00%,F,T) Exp:DIOXINRES >
Sample Text:L6643-1-AA :G0I180489-2



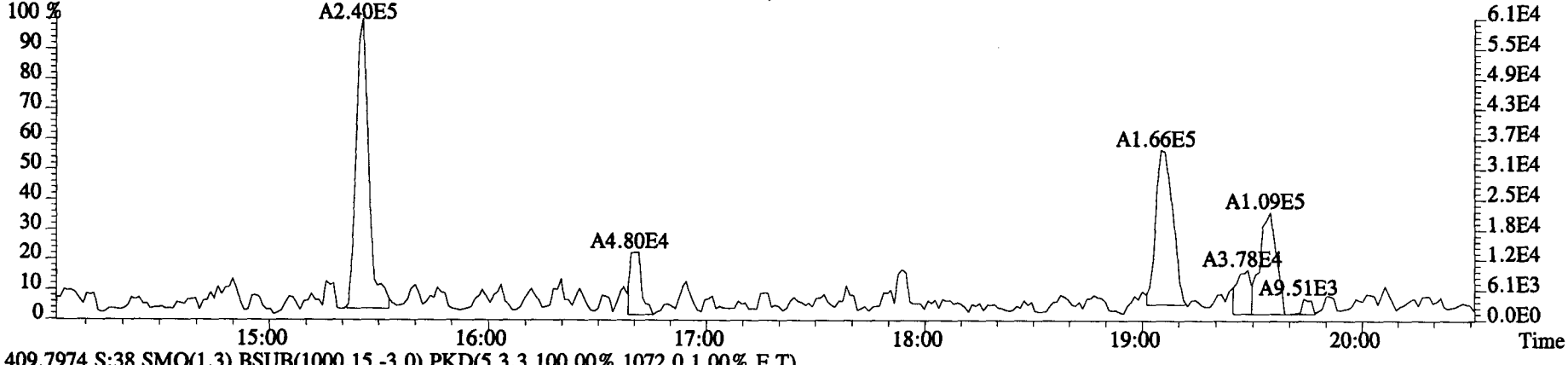
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
341.8567 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5676.0,1.00%,F,T) Exp:DIOXINRES >
Sample Text:L6643-1-AA :G0I180489-2



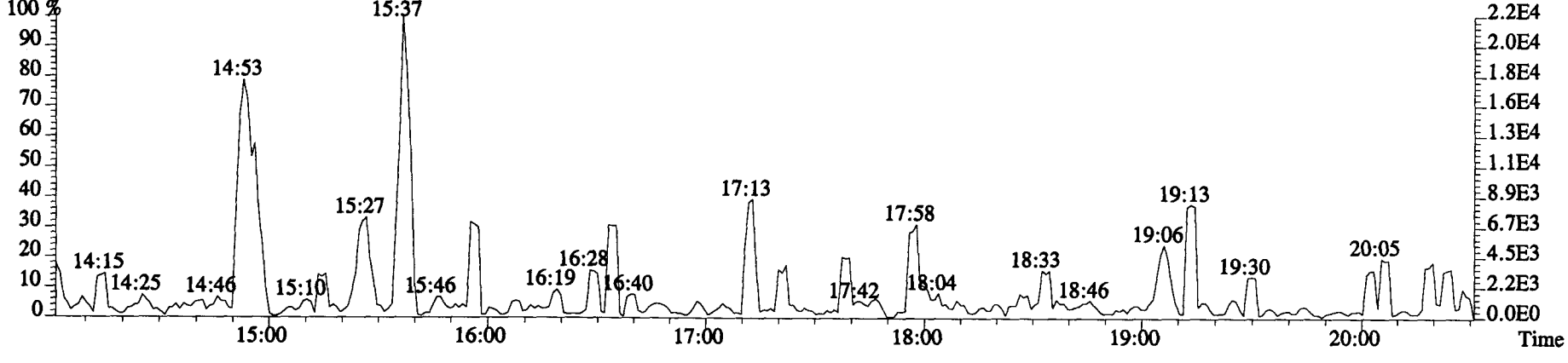
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES
339.8597 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2424.0,1.00%,F,T)



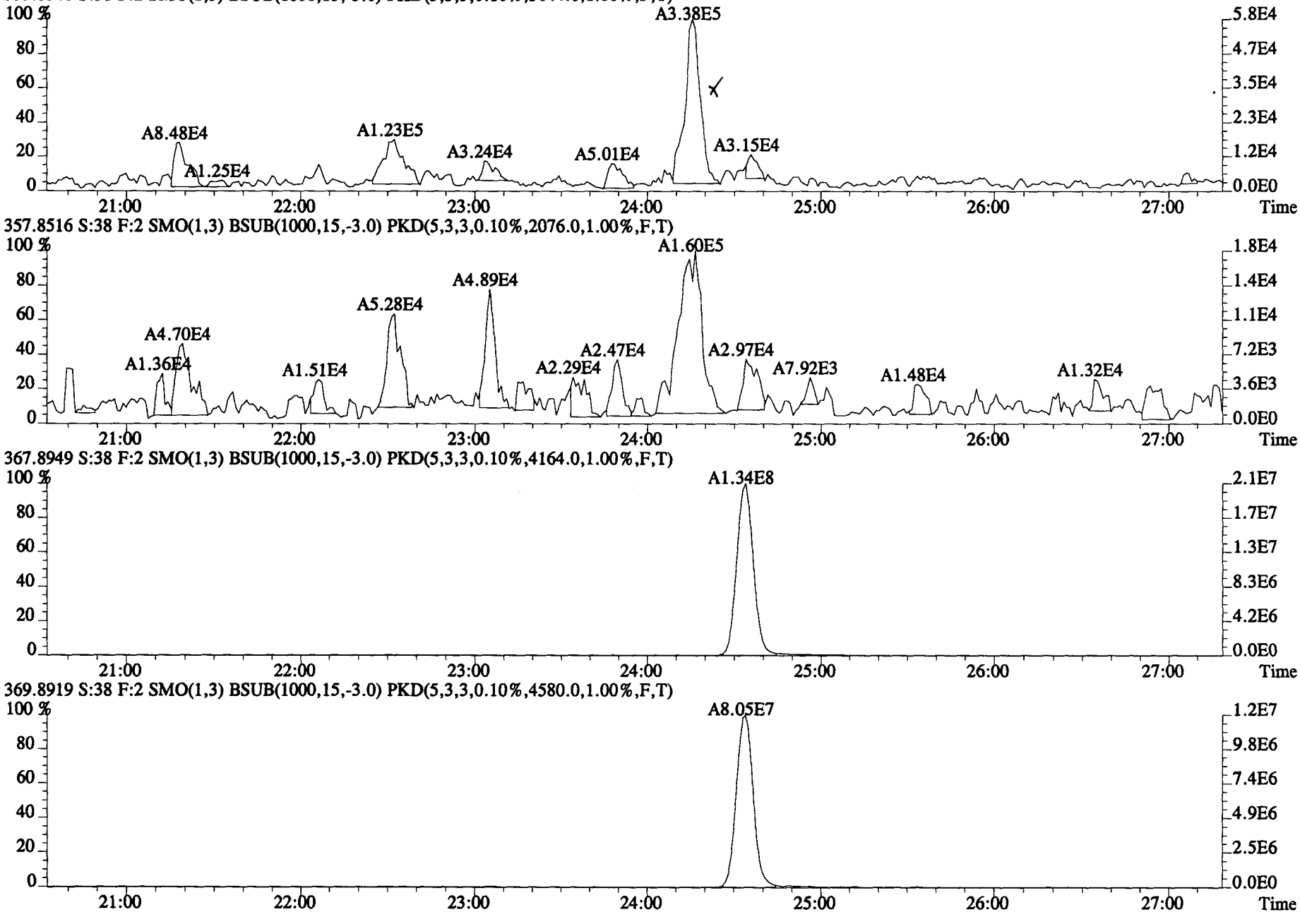
341.8567 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4532.0,1.00%,F,T)



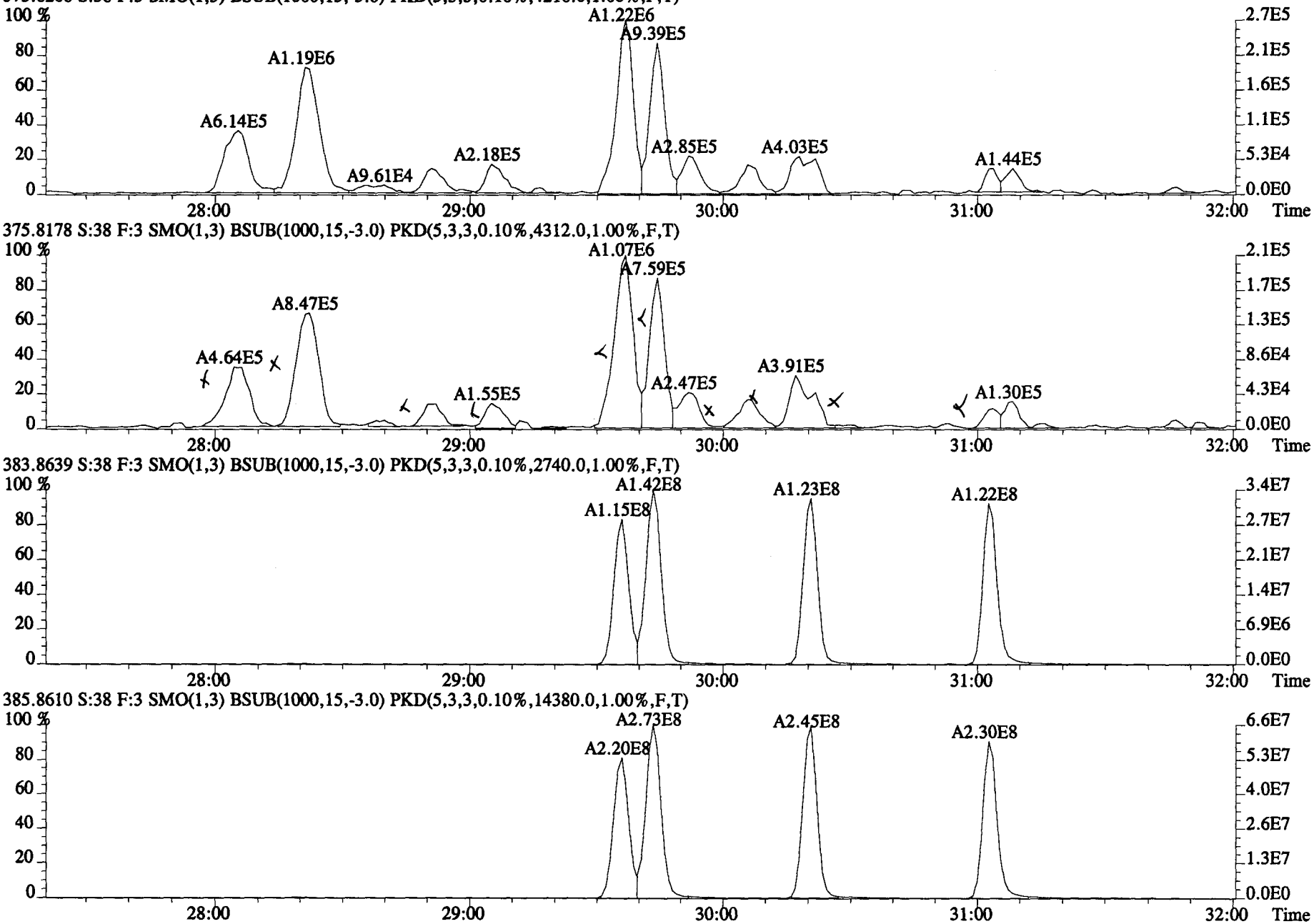
409.7974 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1072.0,1.00%,F,T)



File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES

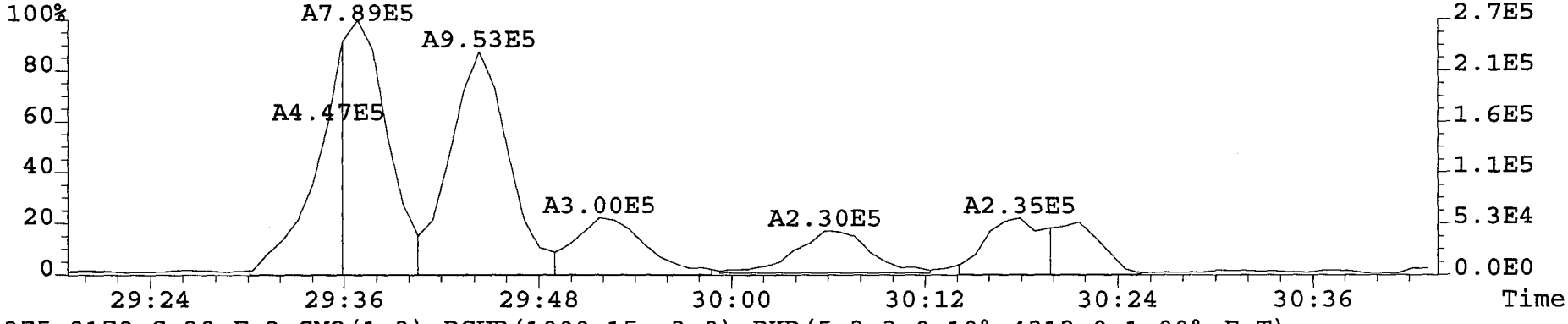


File:22SE10B1D5 #1-301 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES

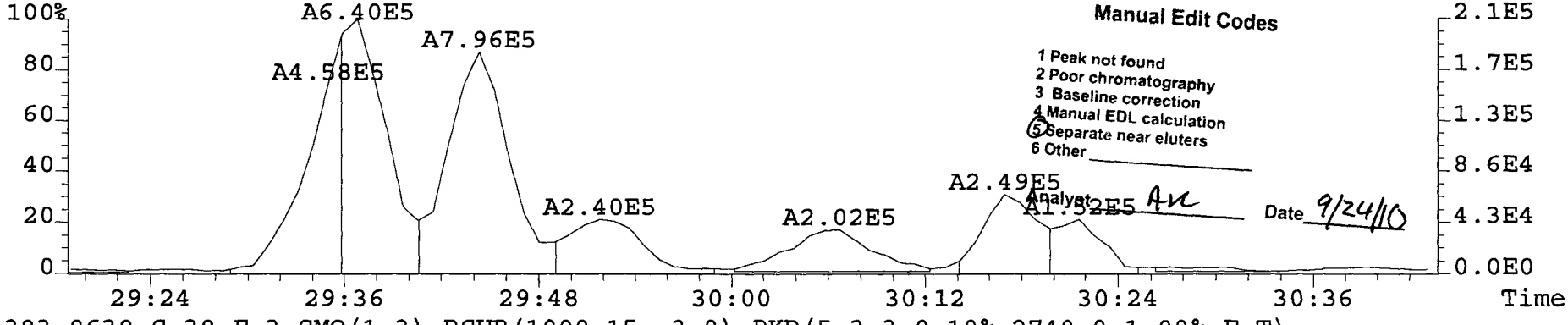


File:22SE10B1D5 #1-301 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES

373.8208 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4216.0,1.00%,F,T)



375.8178 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4312.0,1.00%,F,T)

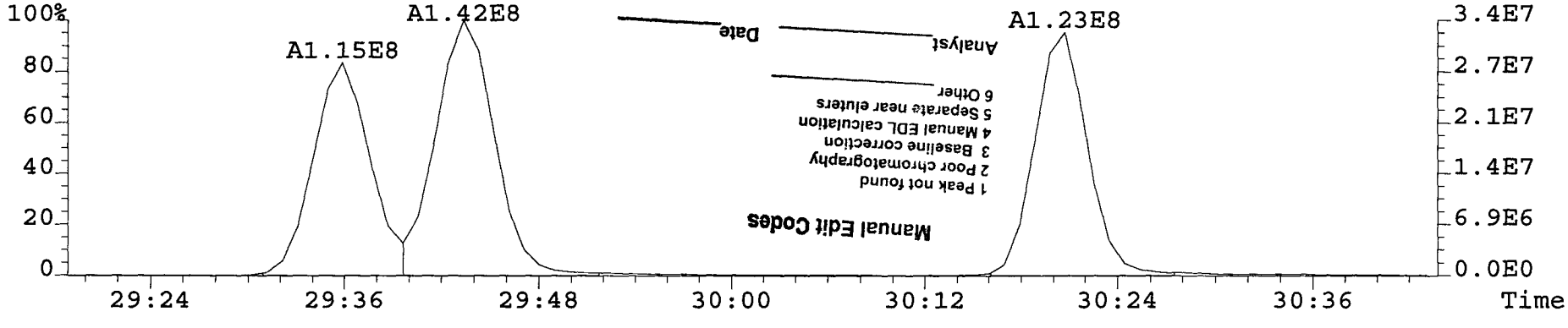


Manual Edit Codes

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

Analyst AVC Date 9/24/10

383.8639 S:38 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2740.0,1.00%,F,T)

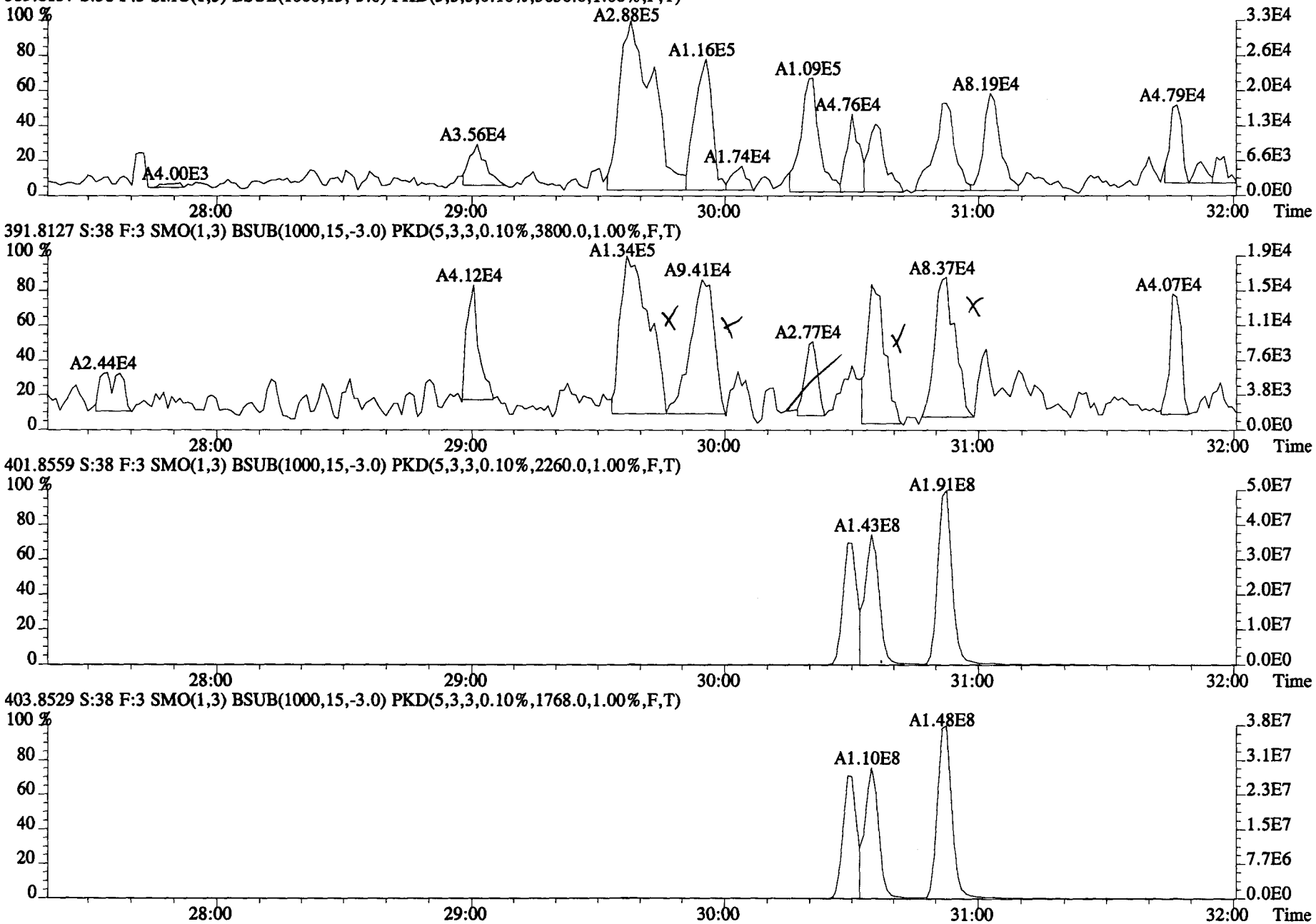


Manual Edit Codes

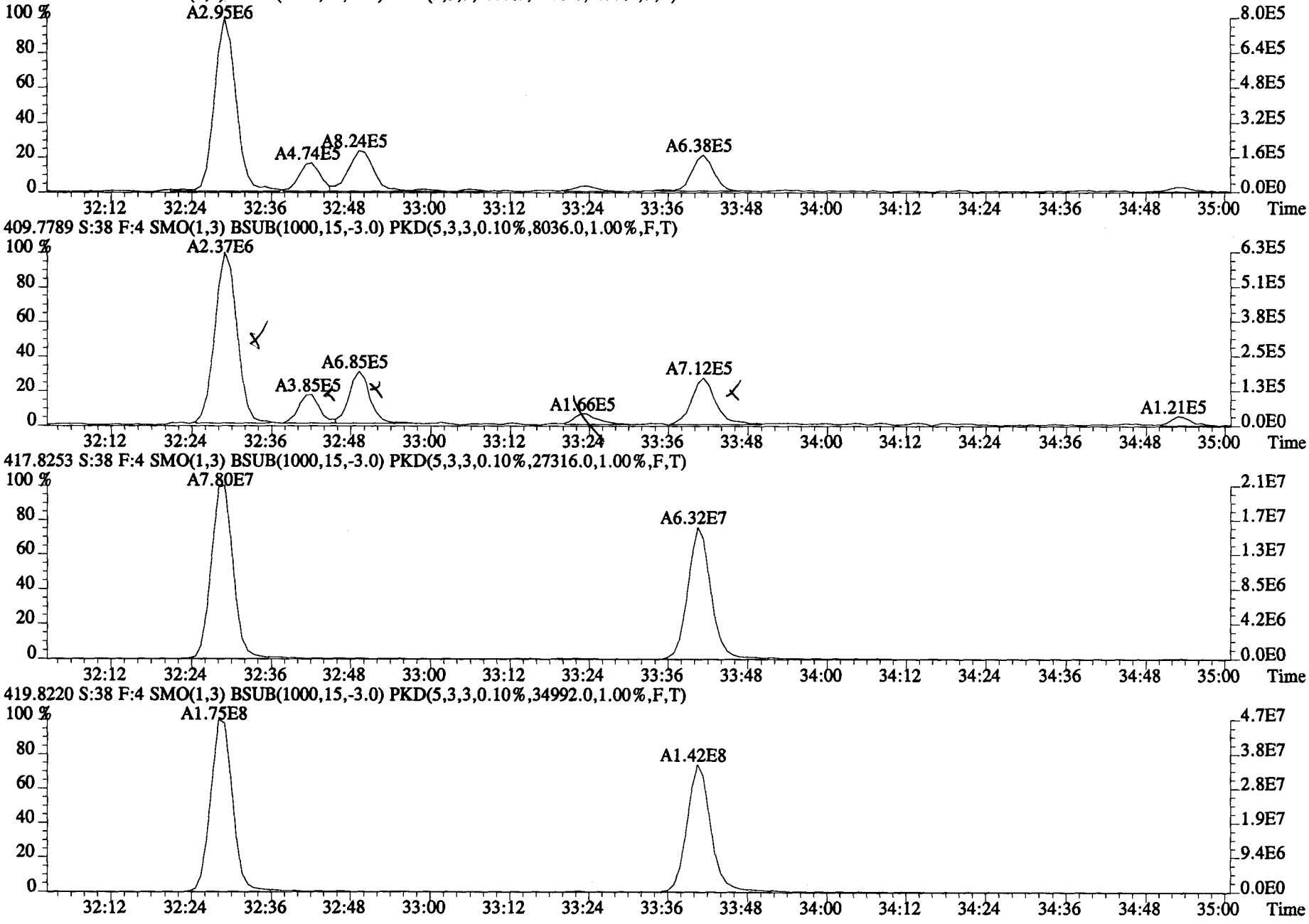
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other

Analyst Date

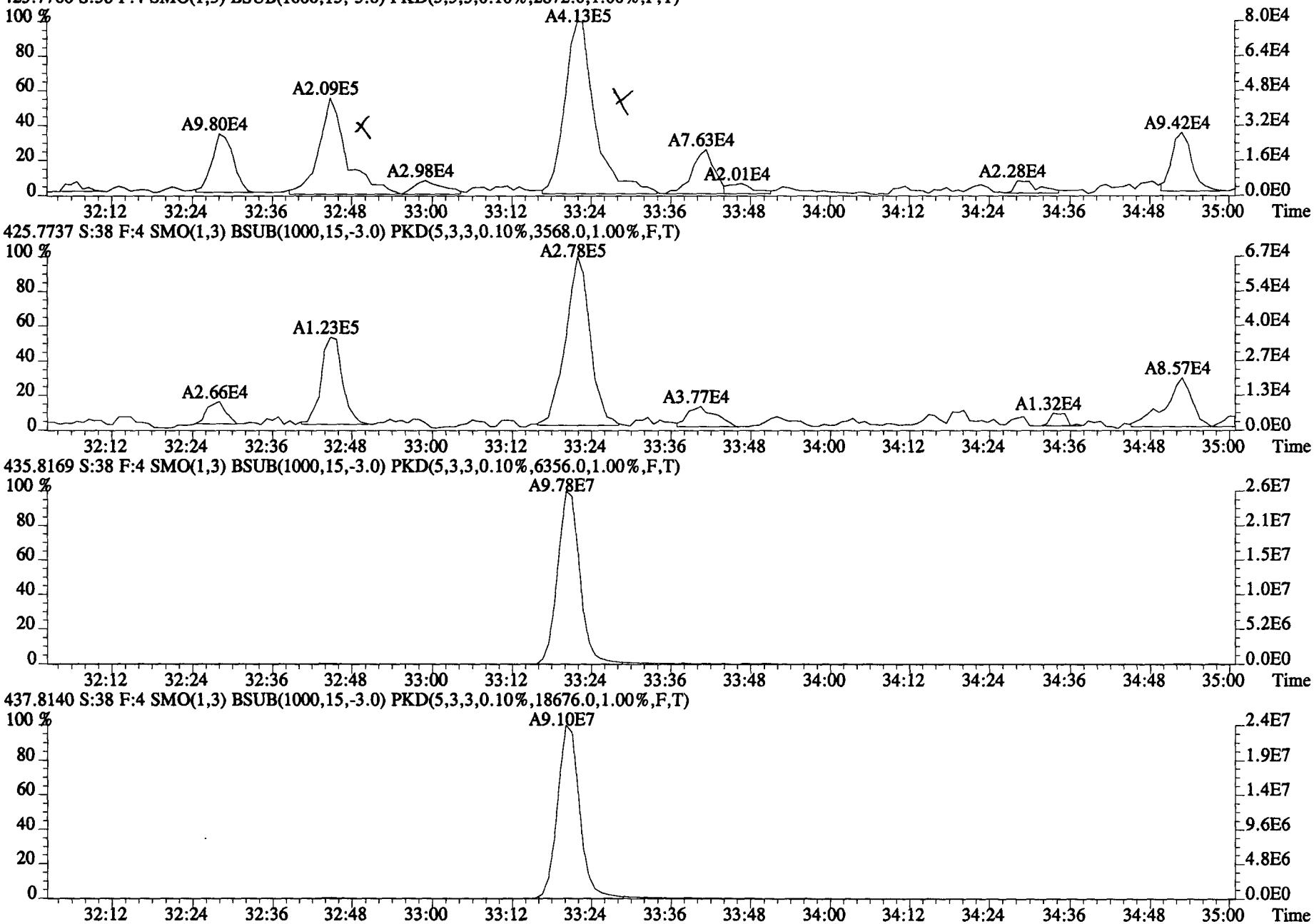
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



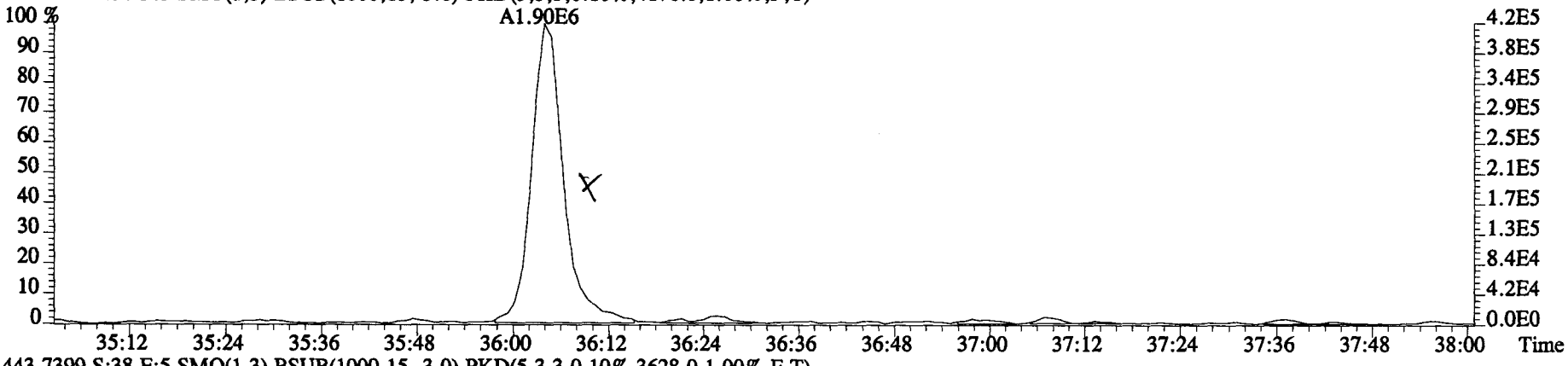
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



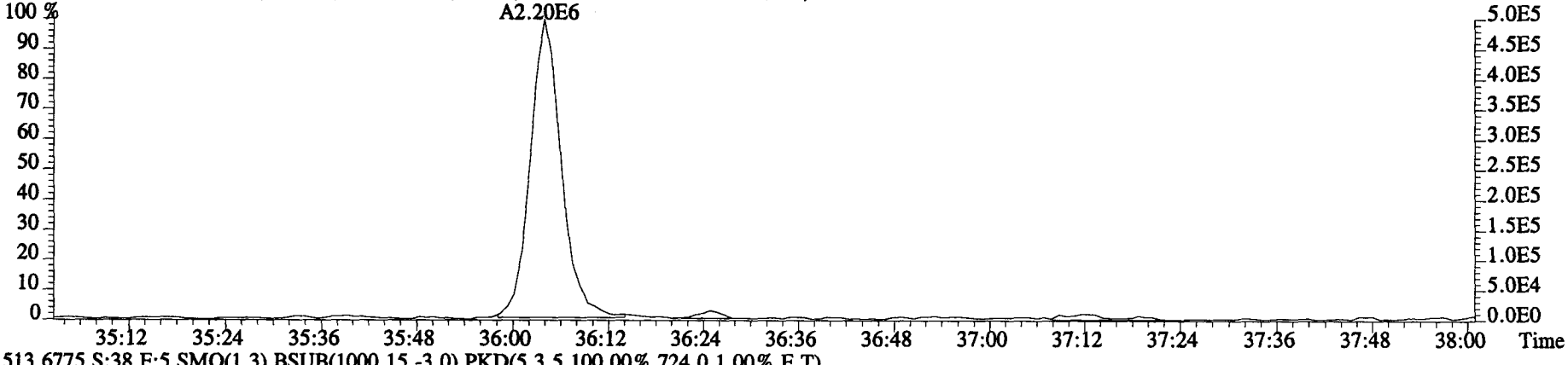
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



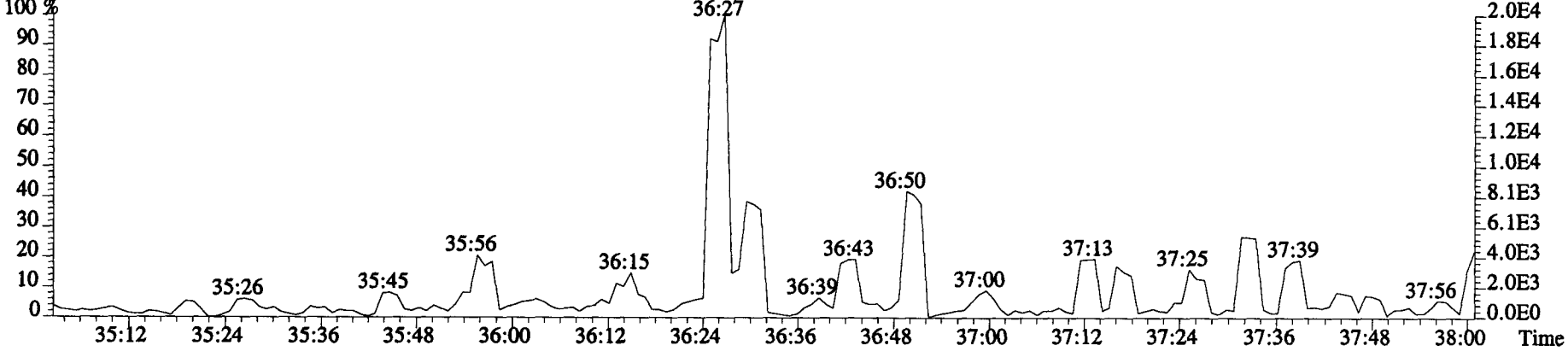
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES
441.7428 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4176.0,1.00%,F,T)



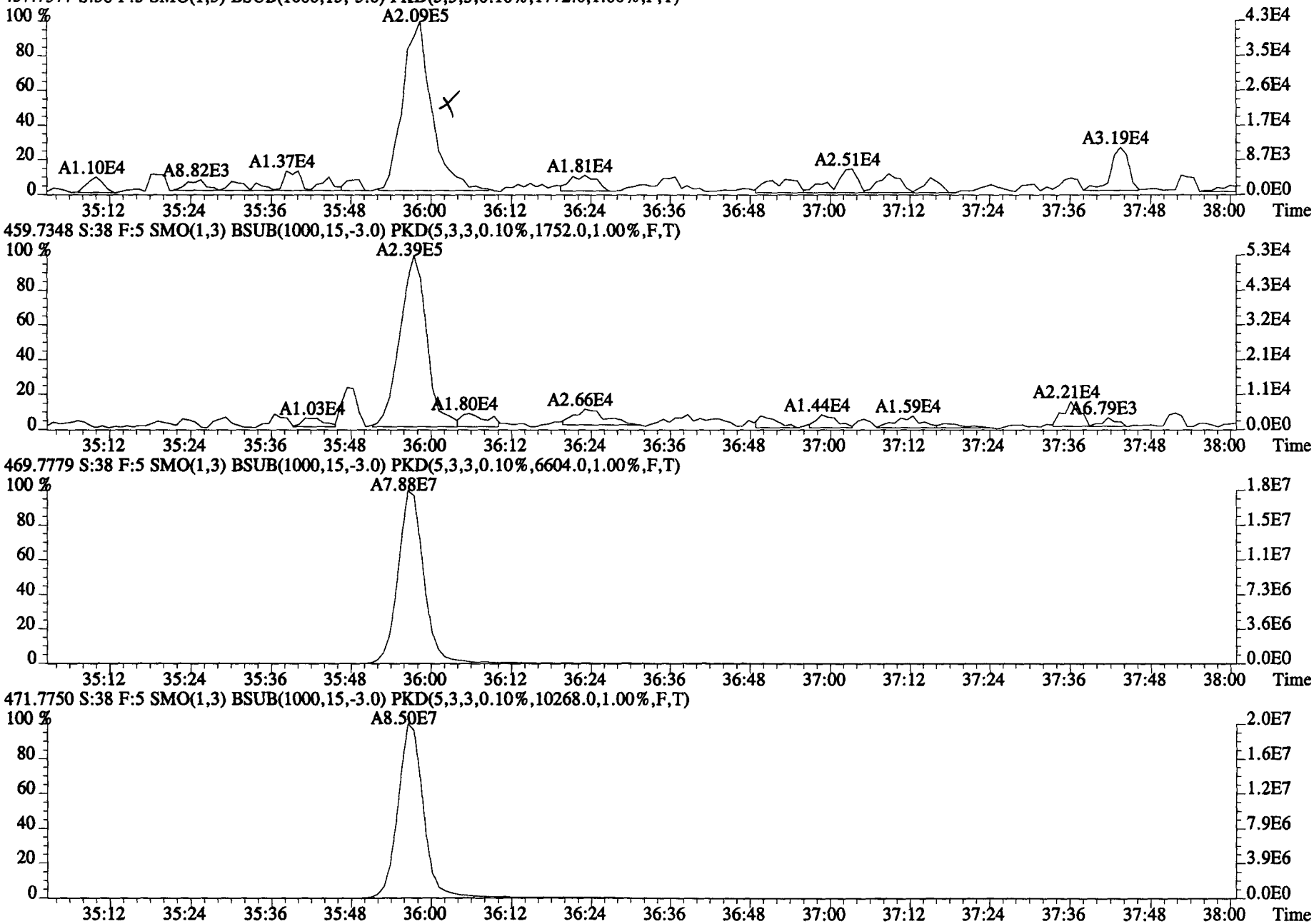
443.7399 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3628.0,1.00%,F,T)



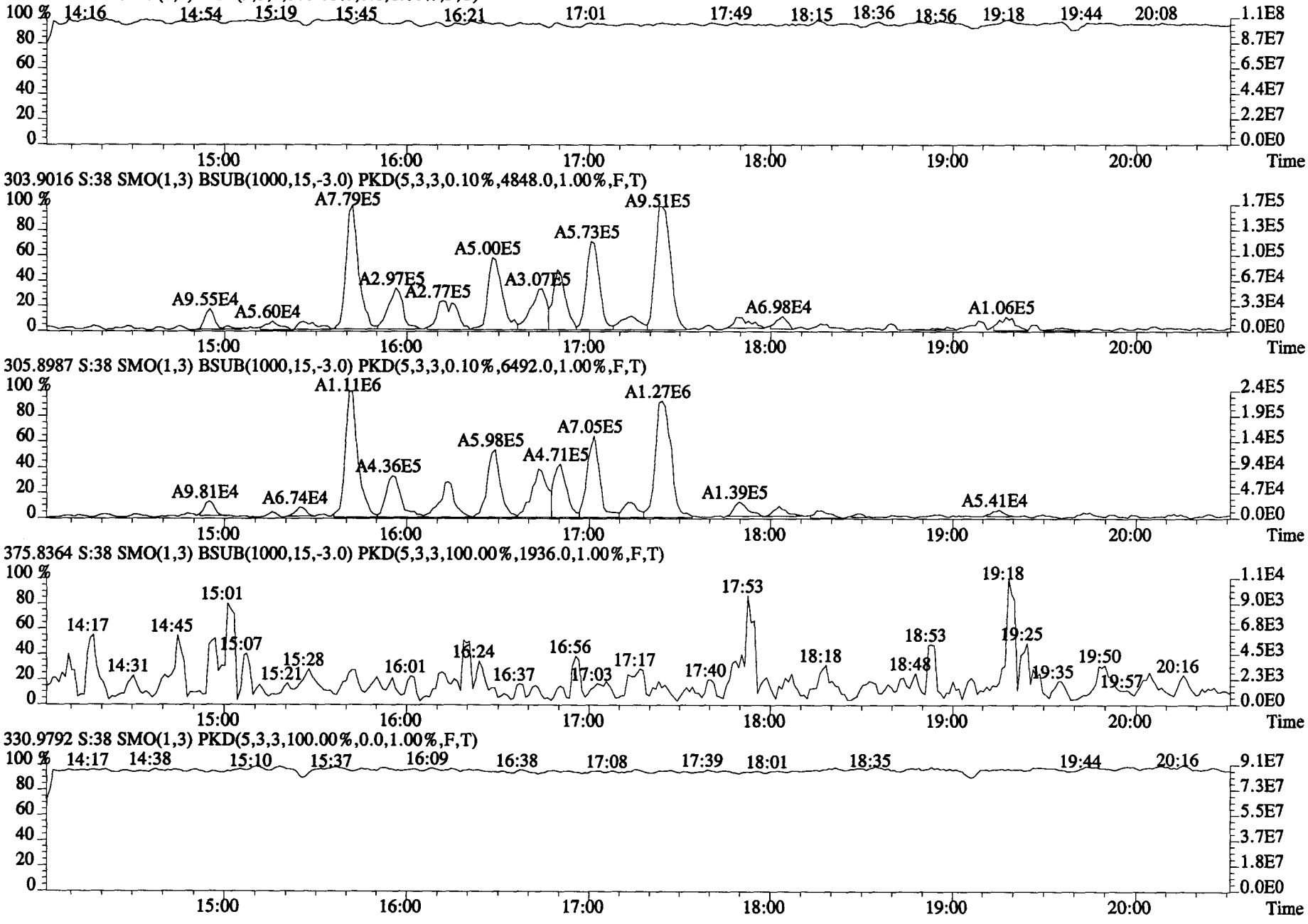
513.6775 S:38 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,724.0,1.00%,F,T)



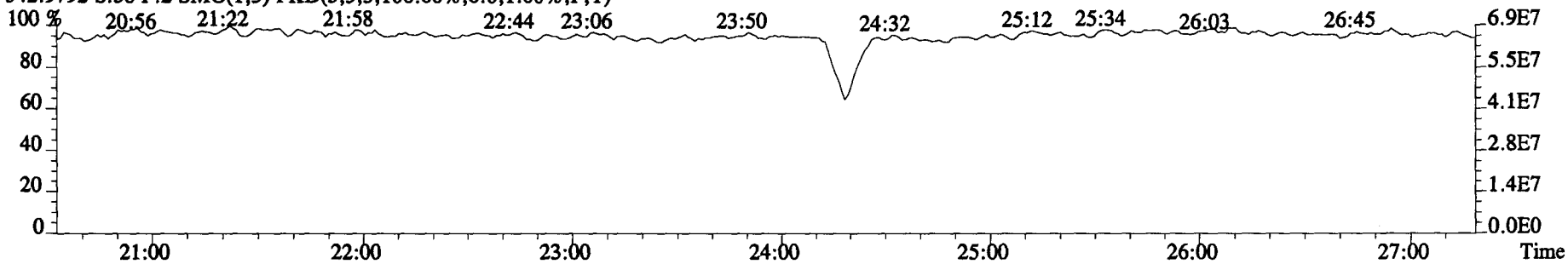
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



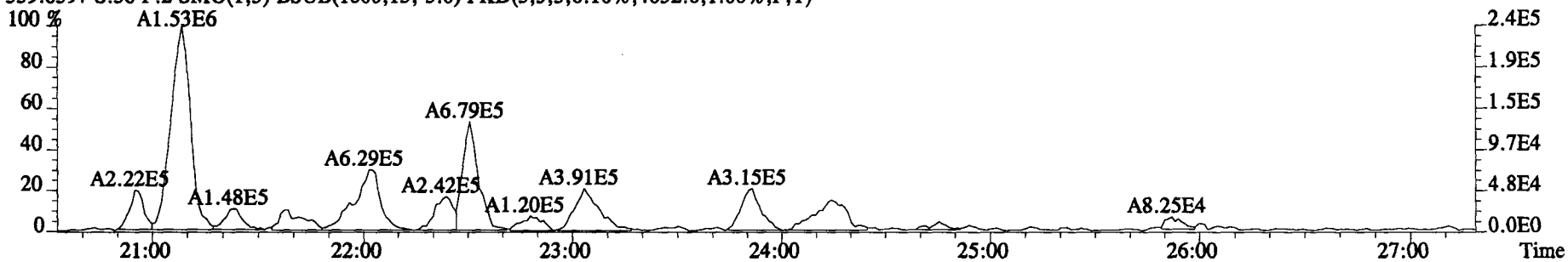
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



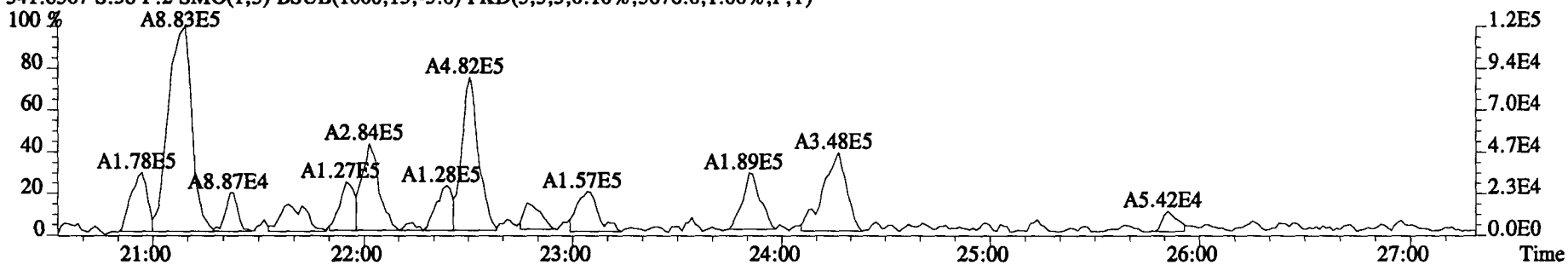
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES
342.9792 S:38 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



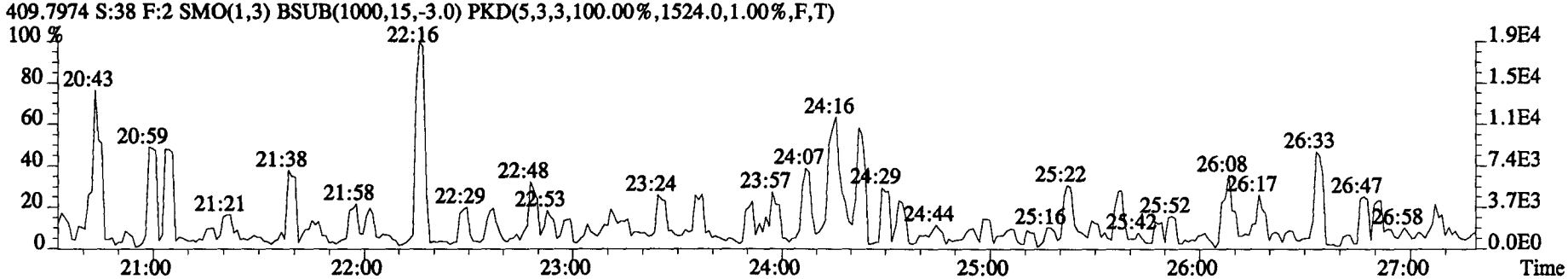
339.8597 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4032.0,1.00%,F,T)



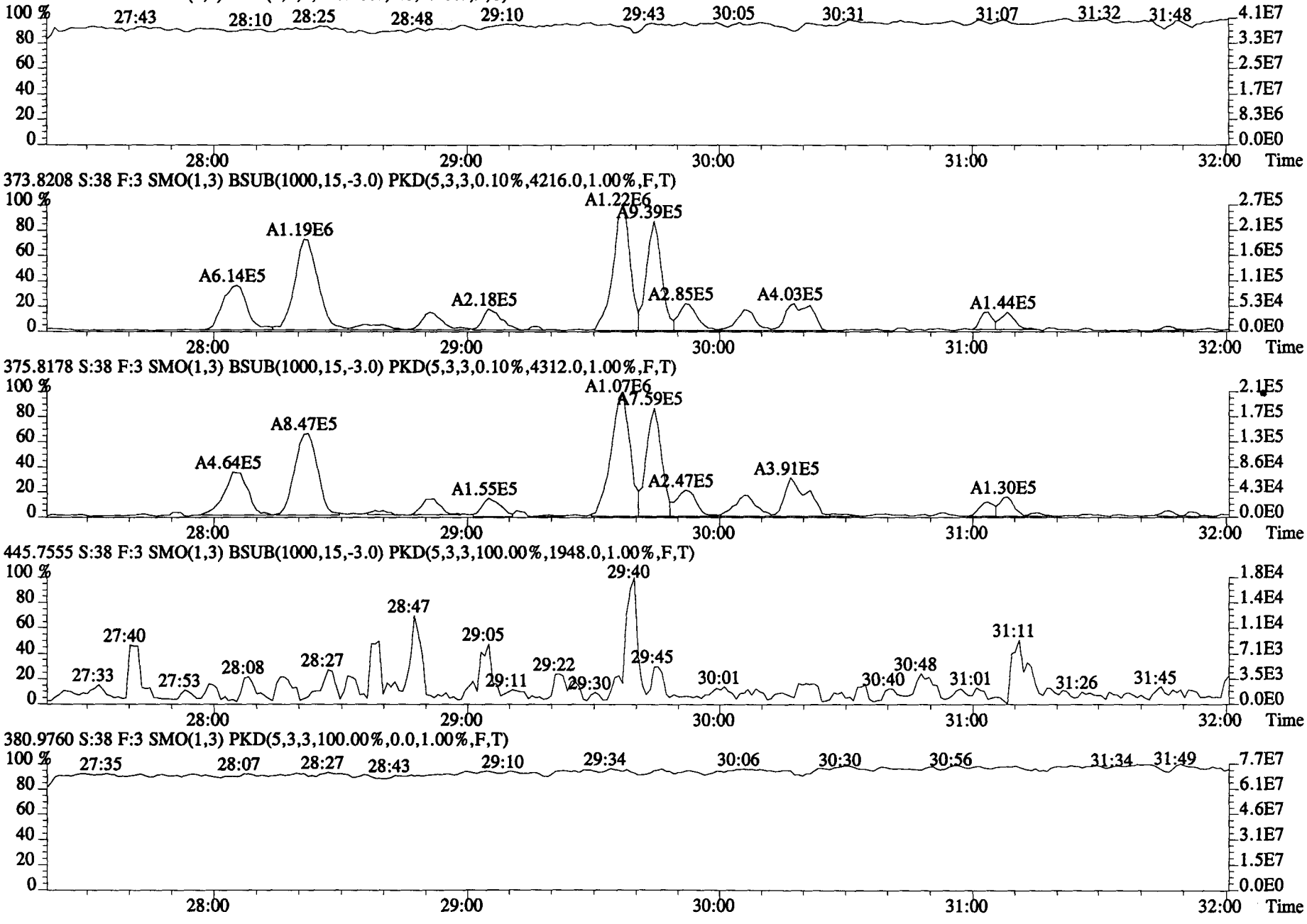
341.8567 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5676.0,1.00%,F,T)



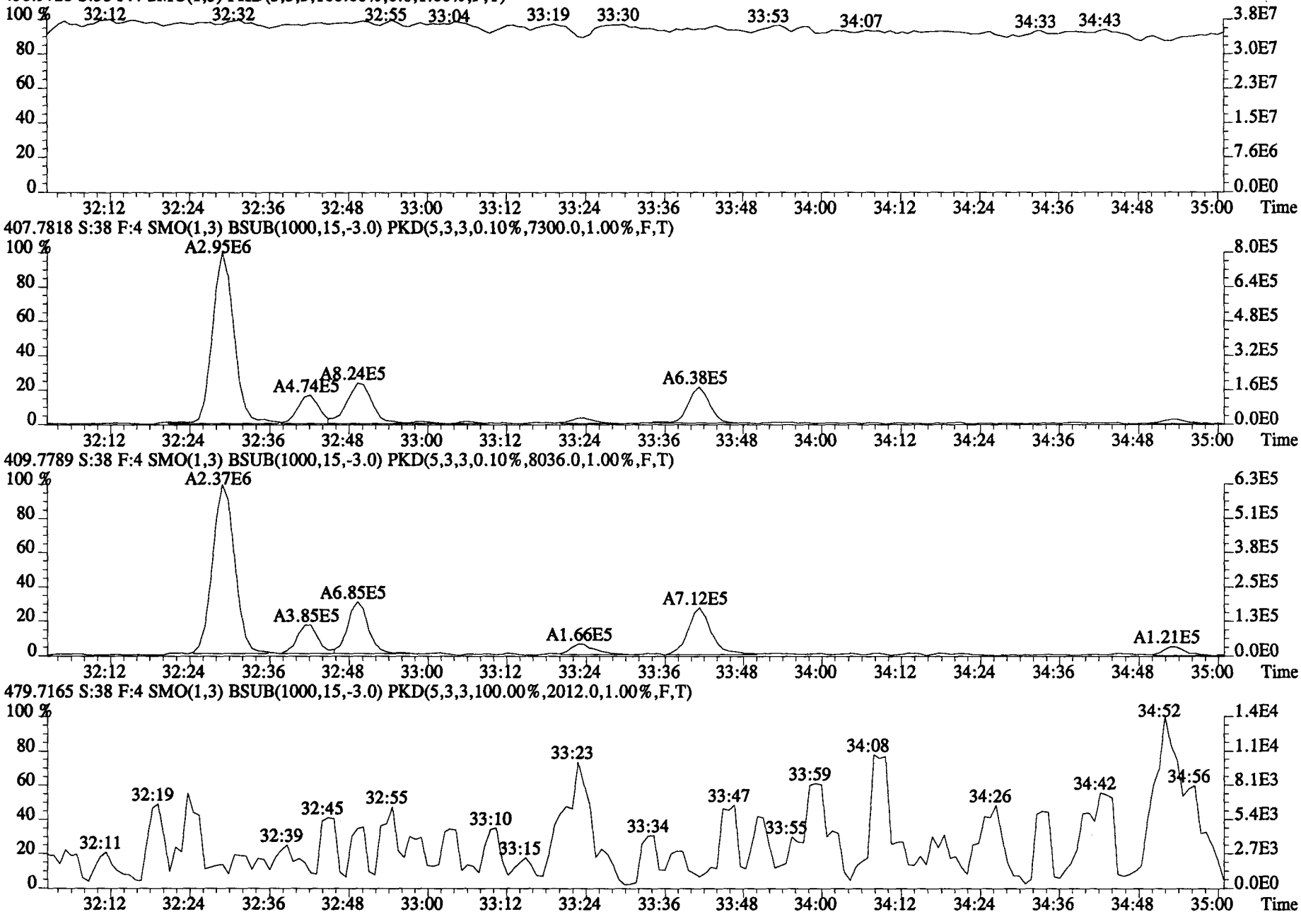
409.7974 S:38 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1524.0,1.00%,F,T)



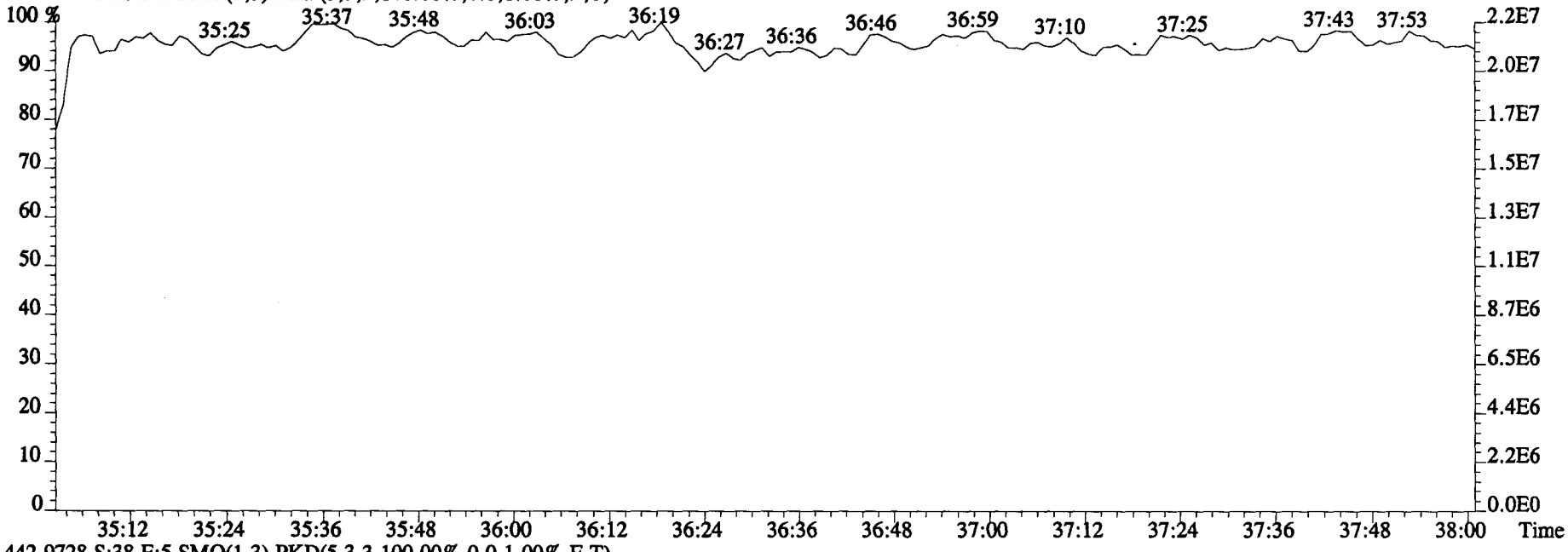
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



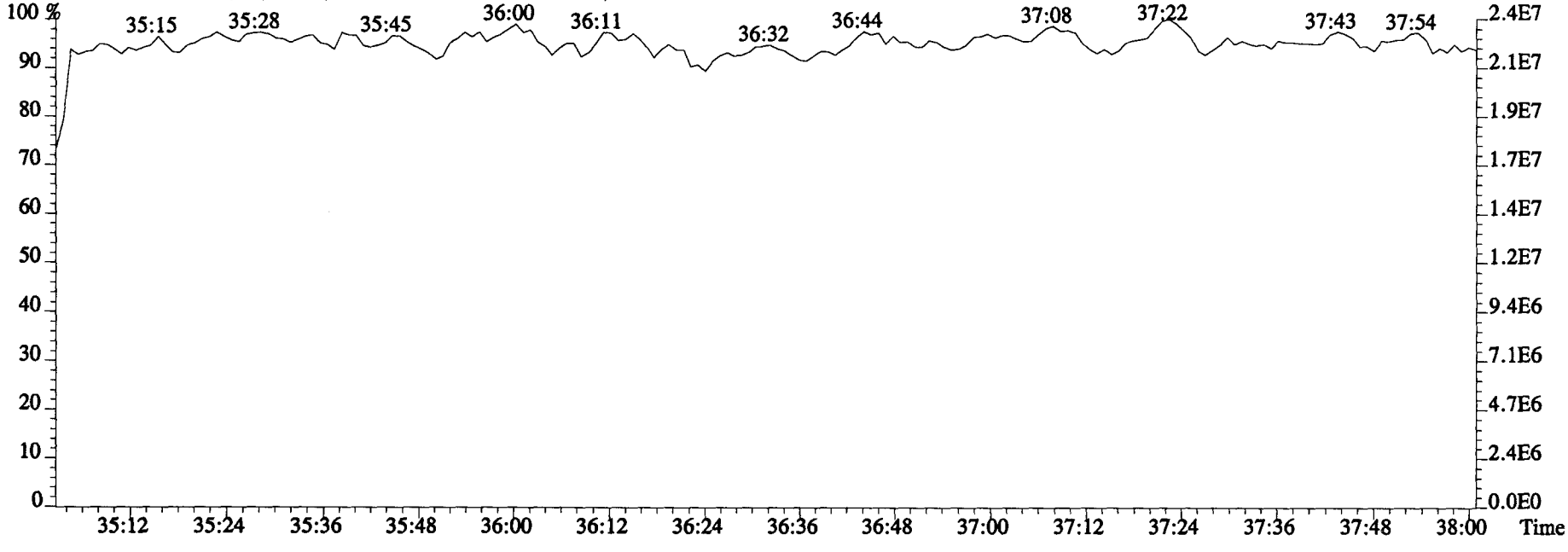
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 02:08:30 GC EI+ Voltage SIR 70SE
Sample#38 Text:L6643-1-AA :G0I180489-2 Exp:DIOXINRES
454.9728 S:38 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:38 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3
Run #13 Filename: 22SE10B1D5 S: 39 I: 1 Results: 22se10b1d5to9
Acquired: 24-SEP-10 02:51:27 Processed: 24-SEP-10 08:34:26 AK 9/24/10
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	451268000	0.82	y	17:54	-	258.29	-	-	n
13C-2,3,7,8-TCDF	654371000	0.81	y	17:22	1.56	3710.83	1.37	92.8	n
2,3,7,8-TCDF	2244342	0.92	n	17:24	0.98	13.95 JQ	0.75	-	n
Total TCDF	12268443	0.89	y	14:56	0.98	~~76.23~~ 75,28 ✓	0.75	-	n
13C-2,3,7,8-TCDD	378276000	0.81	y	18:05	0.92	3641.05	3.09	91.0	n
2,3,7,8-TCDD	150893	0.68	y	18:06	1.03	1.55 J	1.14	-	n
Total TCDD	818795	0.83	y	15:51	1.03	~~8.39~~ 4.31 ✓	1.14	-	n
37Cl-2,3,7,8-TCDD	211012000	1.00	y	18:06	1.23	1819.58	1.17	113.7	n
13C-1,2,3,7,8-PeCDF	468912000	1.64	y	22:28	1.05	3948.85	2.23	98.7	n
1,2,3,7,8-PeCDF	1290938	1.84	n	22:30	1.09	10.08 JQ	1.23	-	n
2,3,4,7,8-PeCDF	663423	1.74	y	23:50	1.02	5.56 J	1.32	-	n
Total F2 PeCDF	8808522	1.16	n	20:55	1.05	~~71.07~~ ~~71.29~~ AK 9/24/10	1.27	-	y
Total F1 PeCDF	807349	0.67	n	15:25	1.05	6 ~~.53~~ 70.74 ✓	1.01	-	n
13C-1,2,3,7,8-PeCDD	247233500	1.66	y	24:32	0.56	3907.27	1.86	97.7	n
1,2,3,7,8-PeCDD	97585	1.37	y	24:34	1.07	~~1.48~~	1.51	-	n
Total PeCDD	920050	1.72	y	21:19	1.07	~~12.91~~ 5.94 DV	1.51	-	n
13C-1,2,3,7,8,9-HxCDD	365633000	1.32	y	30:52	-	222.80	-	-	n
13C-1,2,3,4,7,8-HxCDF	396076000	0.53	y	29:35	0.99	4373.08	5.92	109.3	n
1,2,3,4,7,8-HxCDF	1604782	1.33	y	29:36	1.26	12.85 J	1.06	-	y
1,2,3,6,7,8-HxCDF	1991718	1.19	y	29:44	1.53	13.14	0.87	-	y
2,3,4,6,7,8-HxCDF	532487	1.39	y	30:20	1.41	3.82	0.95	-	y
1,2,3,7,8,9-HxCDF	356617	1.21	y	31:03	1.40	2.58	0.96	-	y
Total HxCDF	12288670	1.20	y	28:04	1.40	~~88.72~~ 87.42 ✓	0.95	-	y
13C-1,2,3,6,7,8-HxCDD	284627000	1.30	y	30:34	0.74	4210.75	1.08	105.3	n
1,2,3,4,7,8-HxCDD	81268	1.06	y	30:29	1.12	~~1.02~~	1.19	-	n
1,2,3,6,7,8-HxCDD	102197	1.48	n	30:35	1.14	1.26 JQ	1.17	-	n
1,2,3,7,8,9-HxCDD	135404	1.20	y	30:52	1.35	1.41 J	0.99	-	n
Total HxCDD	1091715	0.90	n	28:59	1.20	~~12.70~~ 8.69 ✓	1.11	-	n
13C-1,2,3,4,6,7,8-HpCDF	304371800	0.45	y	32:28	0.96	3482.68	9.15	87.1	n
1,2,3,4,6,7,8-HpCDF	6023280	1.13	y	32:28	1.41	56.21 J	2.09	-	n
1,2,3,4,7,8,9-HpCDF	1899941	1.11	y	33:41	1.24	20.20 ↓	2.38	-	n
Total HpCDF	11393853	1.13	y	32:28	1.32	~~110.92~~ 106.95 ✓	2.22	-	n
13C-1,2,3,4,6,7,8-HpCDD	217684000	1.07	y	33:20	0.71	3343.80	5.65	83.6	n
1,2,3,4,6,7,8-HpCDD	694460	1.14	y	33:21	1.13	11.25 J	1.38	-	n
Total HpCDD	1448163	2.35	n	32:28	1.13	~~23.46~~ 17.54 ✓	1.38	-	n
13C-OCDD	196464300	0.92	y	35:56	0.35	6094.13	4.04	76.2	n
OCDF	5816780	0.90	y	36:03	2.12	111.86 J	1.93	-	n

OCDD	1426976	0.99	y	35:57	1.37	42.38 J	1.87	- n

Run text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3
Run #13 Filename: 22SE10B1D5 S: 39 I: 1 Results: 22SE10B1D5TO9
Acquired: 24-SEP-10 02:51:27 Processed: 24-SEP-10 08:34:26
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	451268000	0.82	y	17:54	-	258.29	-	-	n
13C-2,3,7,8-TCDF	654371000	0.81	y	17:22	1.56	3710.83	1.37	92.8	n
2,3,7,8-TCDF	2244342	0.92	n	17:24	0.98	13.95	0.75	-	n
Total TCDF	12268443	0.89	y	14:56	0.98	76.23	0.75	-	n
13C-2,3,7,8-TCDD	378276000	0.81	y	18:05	0.92	3641.05	3.09	91.0	n
2,3,7,8-TCDD	150893	0.68	y	18:06	1.03	1.55	1.14	-	n
Total TCDD	818795	0.83	y	15:51	1.03	8.39	1.14	-	n
37Cl-2,3,7,8-TCDD	211012000	1.00	y	18:06	1.23	1819.58	1.17	113.7	n
13C-1,2,3,7,8-PeCDF	468912000	1.64	y	22:28	1.05	3948.85	2.23	98.7	n
1,2,3,7,8-PeCDF	1290943	1.84	n	22:30	1.09	10.08	1.23	-	n
2,3,4,7,8-PeCDF	663423	1.74	y	23:50	1.02	5.56	1.32	-	n
Total F2 PeCDF	8370972	1.16	n	20:55	1.05	67.53	1.27	-	n
Total F1 PeCDF	807349	0.67	n	15:25	1.05	6.53	1.01	-	n
13C-1,2,3,7,8-PeCDD	247233500	1.66	y	24:32	0.56	3907.27	1.86	97.7	n
1,2,3,7,8-PeCDD	97585	1.37	y	24:34	1.07	1.48	1.51	-	n
Total PeCDD	920050	1.72	y	21:19	1.07	13.91	1.51	-	n
13C-1,2,3,7,8,9-HxCDD	365633000	1.32	y	30:52	-	222.80	-	-	n
13C-1,2,3,4,7,8-HxCDF	396076000	0.53	y	29:35	0.99	4373.08	5.92	109.3	n
1,2,3,4,7,8-HxCDF	2833820	1.29	y	29:36	1.26	22.70	1.06	-	n
1,2,3,6,7,8-HxCDF	1934330	1.20	y	29:44	1.53	12.76	0.87	-	n
2,3,4,6,7,8-HxCDF	753917	1.72	n	30:16	1.41	5.41	0.95	-	n
1,2,3,7,8,9-HxCDF	352377	0.55	n	31:03	1.40	2.55	0.96	-	n
Total HxCDF	11913519	1.20	y	28:04	1.40	87.01	0.95	-	n
13C-1,2,3,6,7,8-HxCDD	284627000	1.30	y	30:34	0.74	4210.75	1.08	105.3	n
1,2,3,4,7,8-HxCDD	81268	1.06	y	30:29	1.12	1.02	1.19	-	n
1,2,3,6,7,8-HxCDD	102197	1.48	n	30:35	1.14	1.26	1.17	-	n
1,2,3,7,8,9-HxCDD	135404	1.20	y	30:52	1.35	1.41	0.99	-	n
Total HxCDD	1091715	0.90	n	28:59	1.20	12.70	1.11	-	n
13C-1,2,3,4,6,7,8-HpCDF	304371800	0.45	y	32:28	0.96	3482.68	9.15	87.1	n
1,2,3,4,6,7,8-HpCDF	6023280	1.13	y	32:28	1.41	56.21	2.09	-	n
1,2,3,4,7,8,9-HpCDF	1899941	1.11	y	33:41	1.24	20.20	2.38	-	n
Total HpCDF	11393853	1.13	y	32:28	1.32	110.92	2.22	-	n
13C-1,2,3,4,6,7,8-HpCDD	217684000	1.07	y	33:20	0.71	3343.80	5.65	83.6	n
1,2,3,4,6,7,8-HpCDD	694460	1.14	y	33:21	1.13	11.25	1.38	-	n
Total HpCDD	1448163	2.35	n	32:28	1.13	23.46	1.38	-	n
13C-OCDD	196464300	0.92	y	35:56	0.35	6094.13	4.04	76.2	n
OCDF	5816780	0.90	y	36:03	2.12	111.86	1.93	-	n
OCDD	1426976	0.99	y	35:57	1.37	42.38	1.87	-	n

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:18
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	38.12 of which	6.97 named and	31.14 unnamed
Conc:	76.23 of which	13.95 named and	62.29 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:56	0.89	y	2.12	160314	12.3	y	n
						181086	5.2	y	n
	2	15:09	1.01	n	0.19	17778	2.0	n	n
						17634	0.6	n	n
	3	15:16	0.68	y	1.07	69702	6.8	y	n
						101948	4.3	y	n
	4	15:25	0.84	y	1.39	101853	9.7	y	n
						121272	3.4	y	n
	5	15:42	0.80	y	12.63	902142	67.3	y	n
						1130550	36.8	y	n
	6	15:57	1.11	n	4.48	451511	30.6	y	n
						407623	10.7	y	n
	7	16:14	0.72	y	4.77	321416	14.9	y	n
						445607	11.8	y	n
	8	16:28	0.86	y	7.51	560290	46.8	y	n
						648378	20.5	y	n
	9	16:44	0.83	y	7.55	551187	30.4	y	n
						664170	16.3	y	n
	10	16:50	1.07	n	4.29	417674	35.7	y	n
						389893	13.2	y	n
	11	17:01	0.89	n	8.75	708260	58.7	y	n
						795626	28.3	y	n
	12	17:13	0.81	y	1.72	123928	7.3	y	n
						152190	6.1	y	n
2,3,7,8-TCDF	13	17:24	0.92	n	13.95	1161750	85.4	y	n
						1267990	36.0	y	n
	14	17:50	0.84	y	2.61	191280	10.0	y	n
						228314	4.5	y	n
	15	18:04	0.99	n	1.12	100536	6.2	y	n
						101949	2.8	n	n

16	18:19	1.07	n	0.63	61427	5.8	y	n
					57579	1.8	n	n
17	19:16	1.25	n	1.33	151827	8.6	y	n
					121323	2.9	n	n
18	20:15	1.63	n	0.13	18725	1.6	n	n
					11466	0.5	n	n

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:8
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	4.20 of which	0.77 named and	3.42	unnamed
Conc:	8.39 of which	1.55 named and	6.85	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:51	0.83	y	0.60	26404	1.9	n	n
						31776	1.7	n	n
	2	16:09	0.81	y	2.76	120767	8.9	y	n
						148721	6.2	y	n
	3	16:57	0.21	n	0.36	15269	1.2	n	n
						73411	2.4	n	n
	4	17:21	2.99	n	0.89	146261	10.0	y	n
						48904	2.4	n	n
	5	17:38	1.11	n	0.50	30796	1.6	n	n
						27687	1.9	n	n
	6	17:56	0.62	n	0.78	33193	2.8	n	n
						53529	3.0	y	n
	7	18:00	0.74	y	0.96	39740	2.7	n	n
						53529	3.0	y	n
2,3,7,8-TCDD	8	18:06	0.68	y	1.55	60938	4.5	y	n
						89955	4.0	y	n

see 3A

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:11
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	33.77 of which	7.82 named and	25.94 unnamed
Conc:	67.53 of which	15.64 named and	51.89 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:55	1.16	n	3.72	279894	12.6	y	n
						240684	7.9	y	n
	2	21:07	1.60	y	20.21	1536400	51.0	y	n
						962405	25.5	y	n
	3	21:21	2.07	n	1.86	187358	7.7	y	n
						90319	3.6	y	n
	4	21:37	1.30	n	2.04	153025	6.4	y	n
						117881	3.4	y	n
	5	22:01	2.32	n	6.82	767941	20.3	y	n
						330641	11.7	y	n
	6	22:21	1.86	n	2.74	247342	11.8	y	n
						132901	5.8	y	n
1,2,3,7,8-PeCDF	7	22:30	1.84	n	10.08	929308	37.4	y	n
						506252	15.0	y	n
	8	22:48	1.16	n	2.15	161248	5.6	y	n
						138858	4.3	y	n
	9	23:02	1.24	n	5.08	381962	10.3	y	n
						307127	7.1	y	n
2,3,4,7,8-PeCDF	10	23:50	1.74	y	5.56	421140	16.5	y	n
						242283	7.5	y	n
	11	24:14	1.28	n	7.27	546795	14.9	y	n
						427192	9.4	y	n

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:4
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	3.26 of which	* named and	3.26 unnamed
Conc:	6.53 of which	* named and	6.53 unnamed

3A

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? yes #Hom:11
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	35.53 of which	7.82 named and	27.71 unnamed
Conc:	71.07 of which	15.64 named and	55.43 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:55	1.16	n	3.72	279894	12.6	y	n
						240684	7.9	y	n
	2	21:07	1.60	y	20.21	1536400	51.0	y	n
						962405	25.5	y	n
	3	21:21	2.07	n	1.86	187358	7.7	y	n
						90319	3.6	y	n
	4	21:37	1.30	n	2.04	153025	6.4	y	n
						117882	3.4	y	n
	5	22:01	1.50	y	10.36	767941	20.3	y	n
						512753	11.7	y	y
	6	22:21	1.86	n	2.74	247342	11.8	y	n
						132900	5.8	y	n
1,2,3,7,8-PeCDF	7	22:30	1.84	n	10.08	929308	37.4	y	n
						506250	15.0	y	n
	8	22:48	1.16	n	2.15	161248	5.6	y	n
						138858	4.3	y	n
	9	23:02	1.24	n	5.08	381962	10.3	y	n
						307127	7.1	y	n
2,3,4,7,8-PeCDF	10	23:50	1.74	y	5.56	421140	16.5	y	n
						242283	7.5	y	n
	11	24:14	1.28	n	7.27	546794	14.9	y	n
						427192	9.4	y	n

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:25	0.67	n	2.21	165856	15.2	y	n
						248347	12.8	y	n
	2	16:52	0.48	n	0.13	9941	1.3	n	n
						20894	1.1	n	n
	3	19:06	0.87	n	2.37	178018	16.8	y	n
						203974	9.4	y	n
	4	19:32	1.10	n	1.82	136926	14.2	y	n
						124004	3.6	y	n

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:7
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	6.95 of which	0.74 named and	6.22 unnamed
Conc:	13.91 of which	1.48 named and	12.43 unnamed

see chro

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:19	1.72	y	2.26	94544	6.0	y	n
						54887	4.2	y	n
	2	22:30	3.22	n	1.61	134648	5.7	y	n
						41841	2.8	n	n
	3	22:39	0.88	n	0.49	19681	1.8	n	n
						22478	3.1	y	n
	4	22:44	1.53	y	0.67	26996	1.8	n	n
						17643	1.8	n	n
	5	23:05	1.24	n	1.45	58425	4.2	y	n
						47037	3.9	y	n
	6	24:14	2.94	n	5.94	453687	22.0	y	n
						154197	10.8	y	n
1,2,3,7,8-PeCDD	7	24:34	1.37	y	1.48	56406	3.3	y	n
						41180	4.5	y	n

see QA

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:13
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	43.51 of which	21.71 named and	21.80 unnamed
Conc:	87.01 of which	43.41 named and	43.60 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?	
	1	28:04	1.20	y	10.04	758668	24.5	y	n	
						631923	19.1	y	n	
	2	28:20	1.32	y	16.03	1261720	42.8	y	n	
						958704	27.8	y	n	
	3	28:37	2.50	n	0.81	124606	4.1	y	n	
						49885	1.9	n	n	
	4	28:51	1.48	n	2.67	244042	9.0	y	n	
						164822	5.3	y	n	
	5	29:05	1.64	n	2.50	253687	11.2	y	n	
						154623	5.4	y	n	
1,2,3,4,7,8-HxCDF	6	29:36	1.29	y	22.70	1598330	70.2	y	n	
						1235490	41.5	y	n	
1,2,3,6,7,8-HxCDF	7	29:44	1.20	y	12.76	1054880	53.0	y	n	
						879450	34.5	y	n	
	8	29:51	1.35	y	3.91	311151	14.0	y	n	
						230639	10.4	y	n	
	9	30:06	1.36	y	4.52	360644	12.1	y	n	
						266066	9.7	y	n	
2,3,4,6,7,8-HxCDF	10	30:16	1.72	n	5.41	580352	16.6	y	n	
						336570	8.8	y	n	
1,2,3,7,8,9-HxCDF	11	31:03	0.55	n	2.55	195066	12.5	y	n	
						357120	8.1	y	n	
	12	31:08	0.56	n	2.63	201737	10.9	y	n	
						357120	8.1	y	n	
	13	31:45	1.87	n	0.49	56775	3.4	y	n	
						30283	1.7	n	n	

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:9
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27

6A

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:15
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	44.36 of which	16.20 named and	28.17	unnamed
Conc:	88.72 of which	32.39 named and	56.33	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:04	1.20	y	10.04	758667	24.5	y	n
						631923	19.1	y	n
	2	28:20	1.32	y	16.03	1261720	42.8	y	n
						958704	27.8	y	n
	3	28:37	2.50	n	0.81	124606	4.1	y	n
						49885	1.9	n	n
	4	28:51	1.48	n	2.67	244042	9.0	y	n
						164823	5.3	y	n
	5	29:05	1.64	n	2.50	253687	11.2	y	n
						154623	5.4	y	n
	6	29:35	1.04	n	9.37	718634	68.1	y	y
						688187	42.1	y	y
1,2,3,4,7,8-HxCDF	7	29:36	1.33	y	12.85	916595	70.9	y	y
						688187	42.1	y	y
1,2,3,6,7,8-HxCDF	8	29:44	1.19	y	13.14	1082190	53.7	y	y
						909528	35.2	y	y
	9	29:51	1.26	y	4.20	323815	14.8	y	y
						257896	11.1	y	y
	10	30:06	1.36	y	4.52	360644	12.1	y	n
						266066	9.7	y	n
	11	30:16	1.53	n	3.07	290919	17.3	y	y
						190130	10.0	y	y
2,3,4,6,7,8-HxCDF	12	30:20	1.39	y	3.82	309448	16.8	y	y
						223039	9.7	y	y
1,2,3,7,8,9-HxCDF	13	31:03	1.21	y	2.58	195066	12.5	y	n
						161551	7.8	y	y
	14	31:08	1.03	n	2.63	201737	10.9	y	n
						196367	8.3	y	y
	15	31:45	1.87	n	0.49	56775	3.4	y	n
						30283	1.7	n	n

Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	6.35 of which	1.84 named and	4.51	unnamed
Conc:	12.70 of which	3.68 named and	9.01	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:59	0.90	n	1.09	51970	3.2	y	n
						58048	2.5	n	n
	2	29:37	1.98	n	4.21	318596	11.4	y	n
						161278	4.4	y	n
	3	29:54	0.98	n	1.81	85980	5.8	y	n
						87663	4.5	y	n
	4	30:20	1.71	n	1.07	69829	4.4	y	n
						40899	2.3	n	n
1,2,3,4,7,8-HxCDD	5	30:29	1.06	y	1.02	41761	3.0	y	n
						39507	2.5	n	n
1,2,3,6,7,8-HxCDD	6	30:35	1.48	n	1.26	67531	4.4	y	n
						45624	2.2	n	n
1,2,3,7,8,9-HxCDD	7	30:52	1.20	y	1.41	73832	5.6	y	n
						61573	2.6	n	n
	8	31:45	1.02	n	0.48	22739	2.1	n	n
						22333	1.4	n	n
	9	31:48	0.74	n	0.35	16438	1.1	n	n
						22333	1.4	n	n

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:6
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	55.46	of which		38.21	named and		17.25	unnamed		
Conc:	110.92	of which		76.42	named and		34.50	unnamed		

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:28	1.13	y	56.21	3192230	82.9	y	n
						2831050	85.3	y	n
	2	32:41	1.09	y	11.76	616547	16.4	y	n
						566054	15.0	y	n
	3	32:49	1.06	y	18.77	970702	23.5	y	n
						917563	24.9	y	n
	4	33:23	0.67	n	2.36 Not HpCl	121180	3.1	y	n
						182145	5.3	y	n
1,2,3,4,7,8,9-HpCDF	5	33:41	1.11	y	20.20	1000700	23.2	y	n
						899241	22.7	y	n
	6	34:52	0.57	n	1.61	82622	2.3	n	n
						144876	4.0	y	n

Run Text: L6644-1-AA Sample text: L6644-1-AA :G0I180489-3

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:5
Run: 13 File: 22SE10B1D5 S:39 Acq:24-SEP-10 02:51:27
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

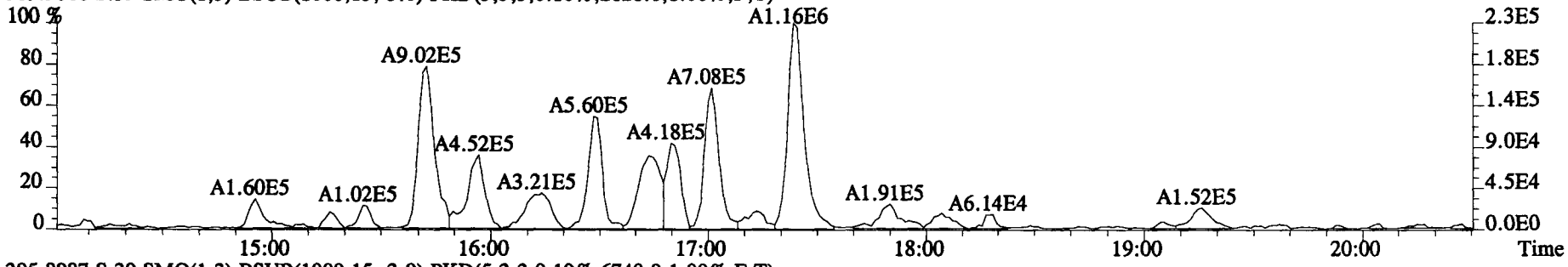
Amount:	11.73	of which		5.62	named and		6.10	unnamed		
Conc:	23.46	of which		11.25	named and		12.21	unnamed		

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:28	2.35	n	1.99	141808	9.6	y	n
						60328	3.7	y	n
	2	32:36	10.34	n	0.12	38407	2.5	n	n
						3716	0.2	n	n
	3	32:45	1.03	y	6.29	196539	15.5	y	n
						191678	14.6	y	n
1,2,3,4,6,7,8-HpCDD	4	33:21	1.14	y	11.25	369919	24.6	y	n
						324541	16.7	y	n
	5	34:52	1.15	y	3.80	125613	11.3	y	n

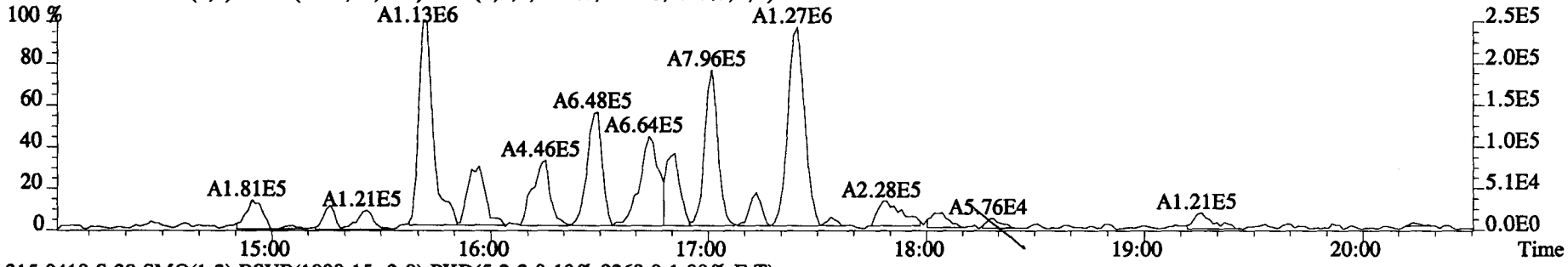
109224	7.3	y	n

File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES

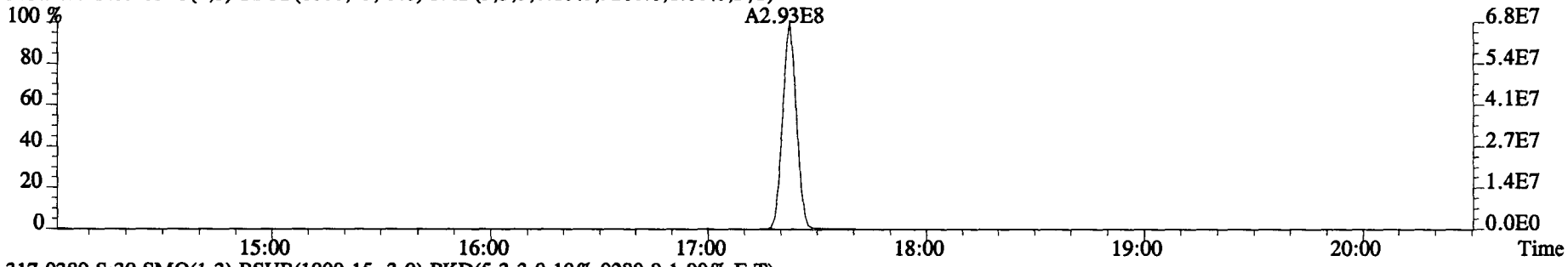
303.9016 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2628.0,1.00%,F,T)



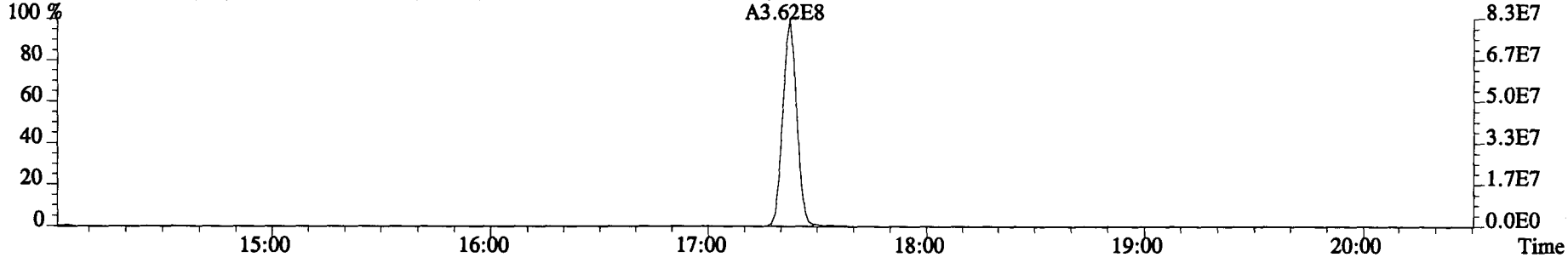
305.8987 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6740.0,1.00%,F,T)



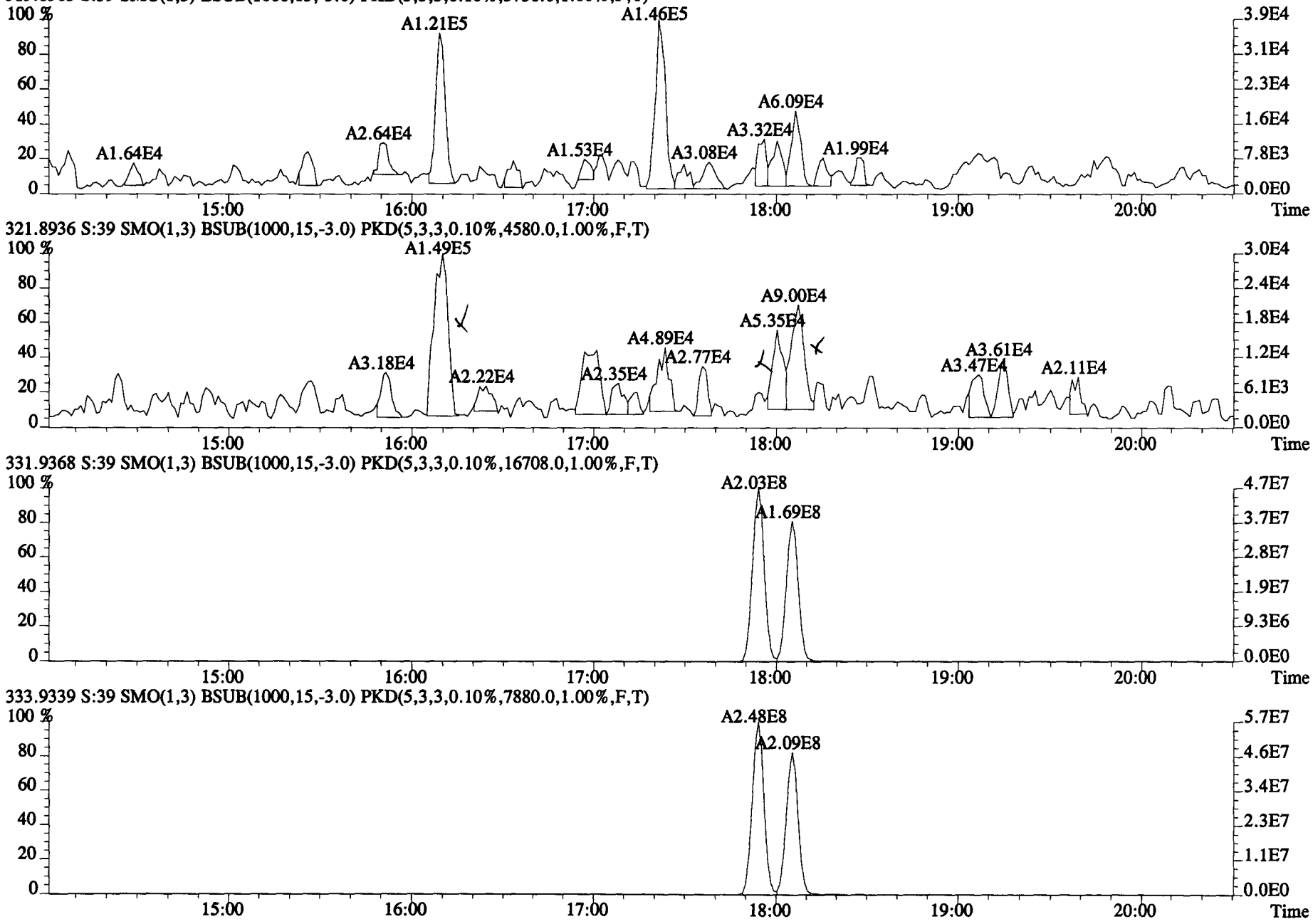
315.9419 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9268.0,1.00%,F,T)



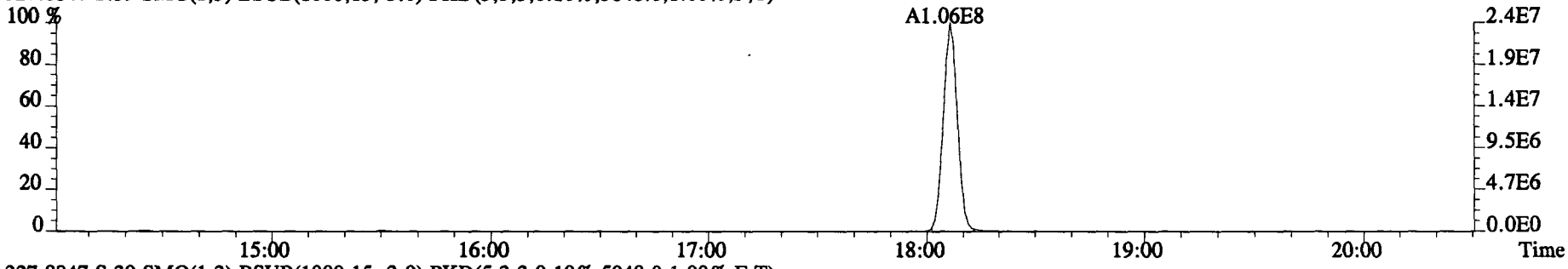
317.9389 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9280.0,1.00%,F,T)



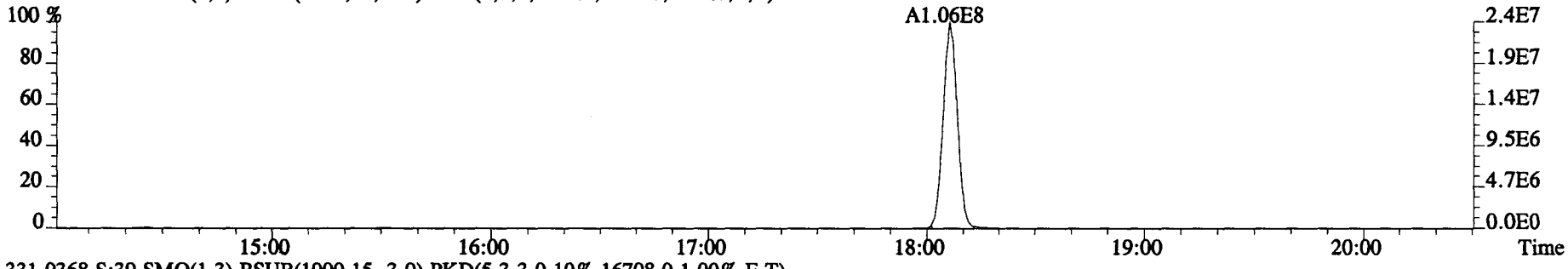
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES



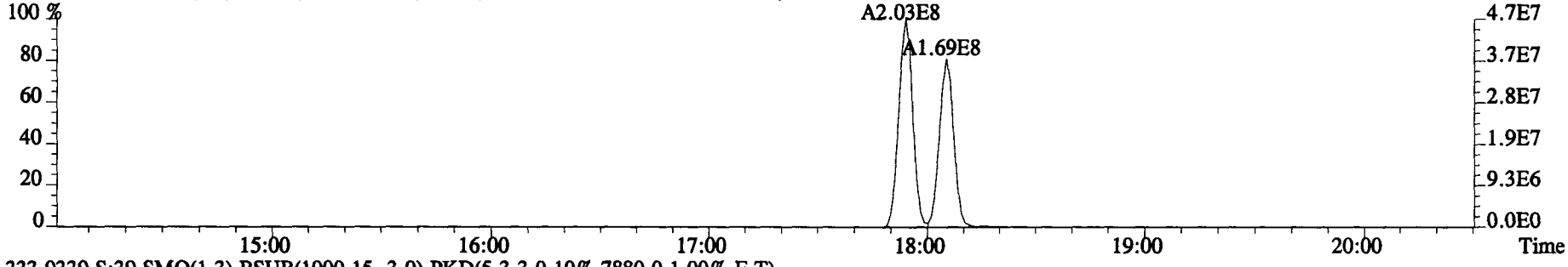
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES
327.8847 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5048.0,1.00%,F,T)



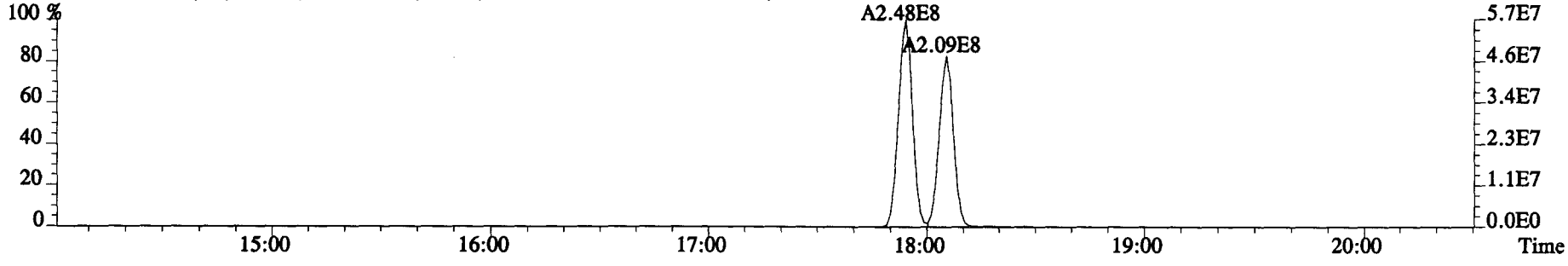
327.8847 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5048.0,1.00%,F,T)



331.9368 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16708.0,1.00%,F,T)

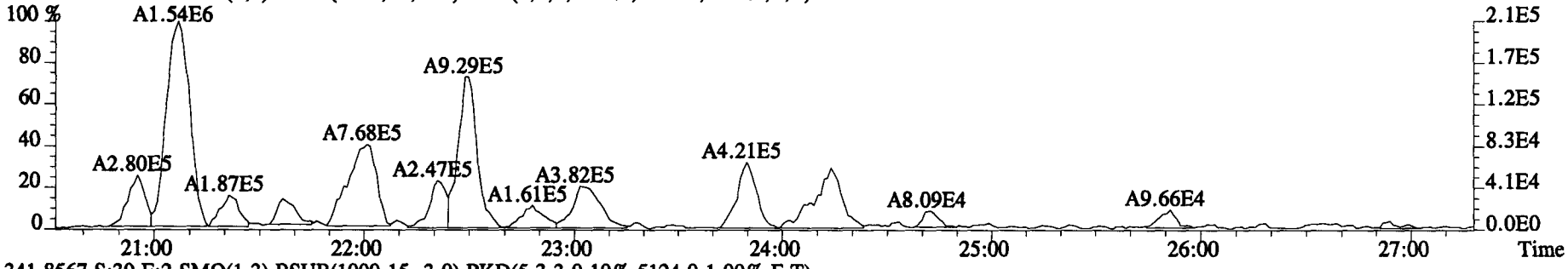


333.9339 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7880.0,1.00%,F,T)

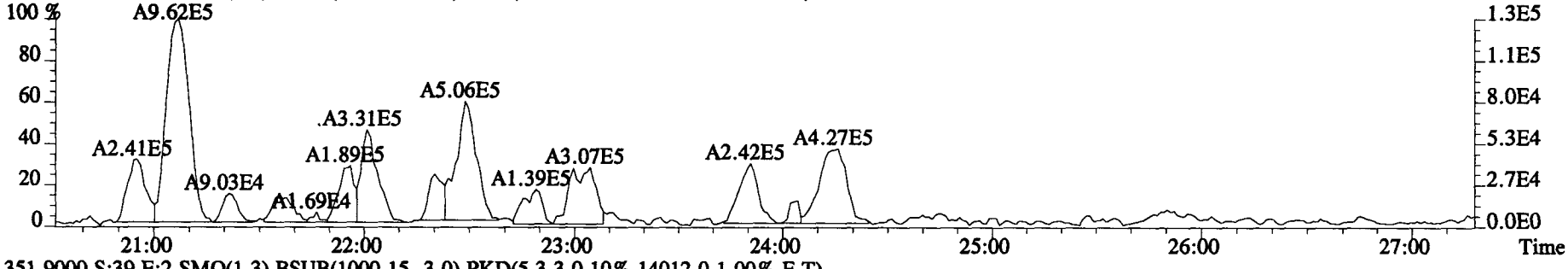


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES

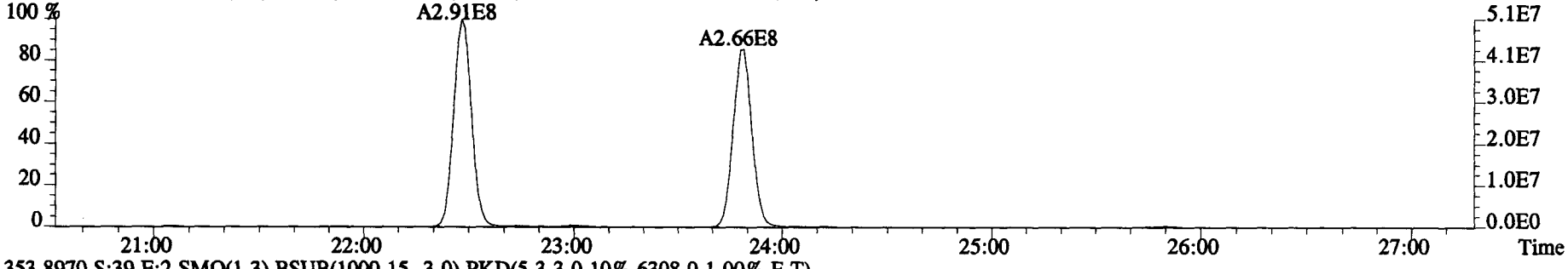
339.8597 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4012.0,1.00%,F,T)



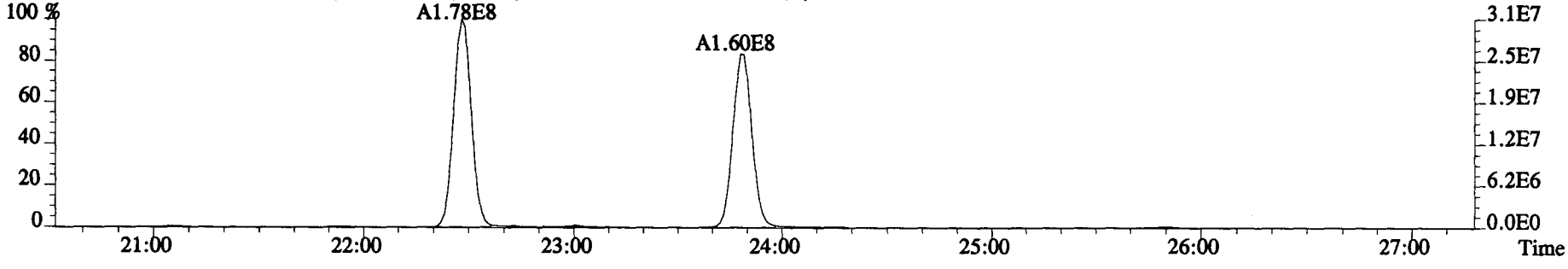
341.8567 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5124.0,1.00%,F,T)



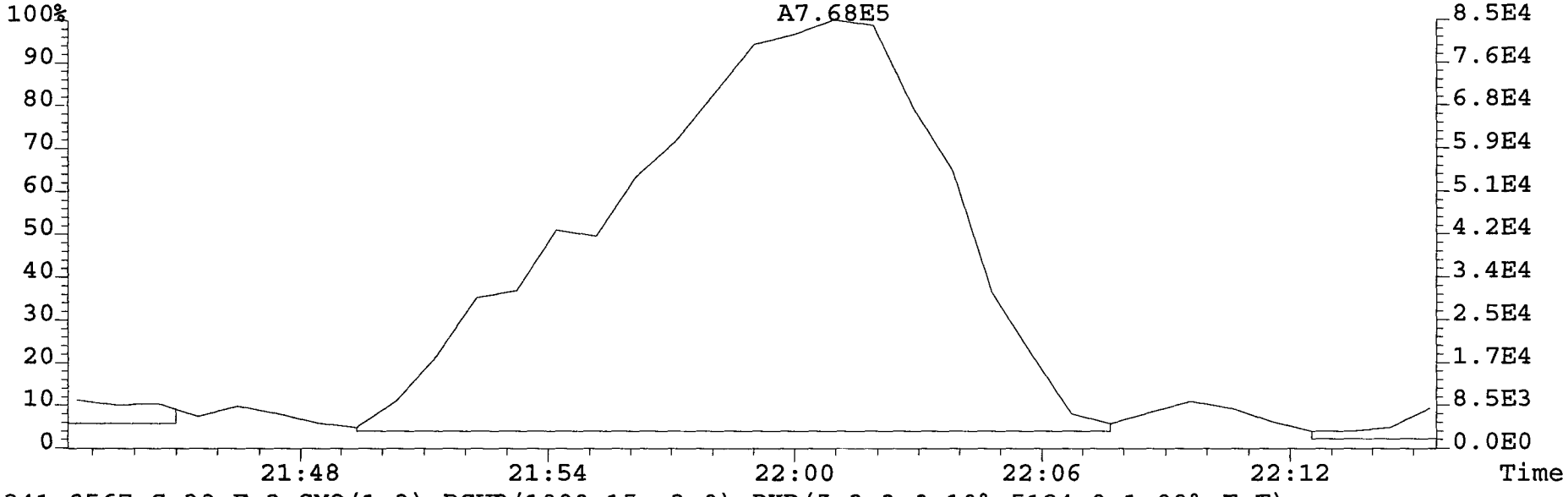
351.9000 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14012.0,1.00%,F,T)



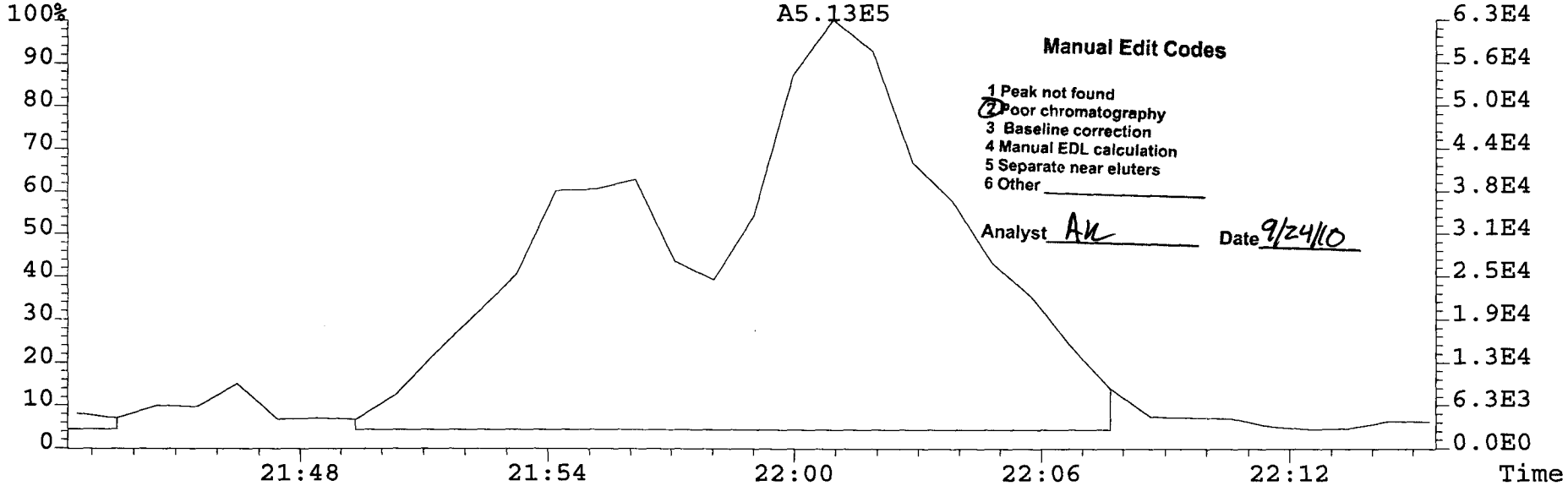
353.8970 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6308.0,1.00%,F,T)



File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES
339.8597 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4012.0,1.00%,F,T)



341.8567 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5124.0,1.00%,F,T)

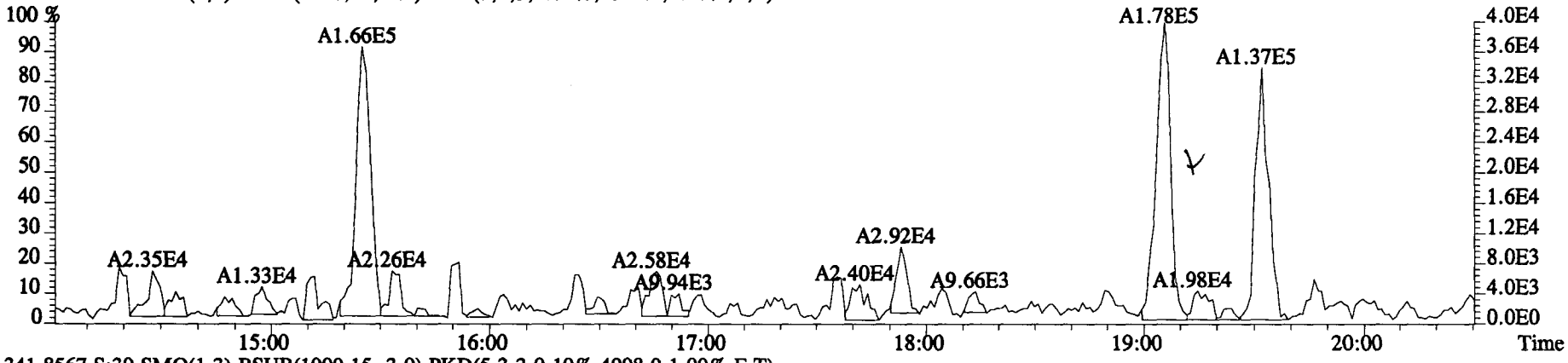


Manual Edit Codes

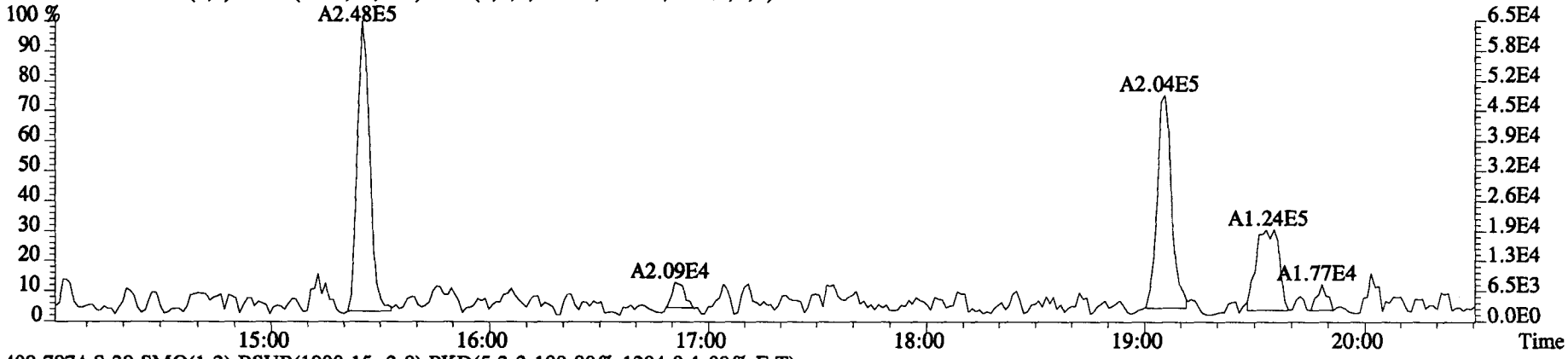
1 Peak not found
(2) Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst AH Date 9/24/10

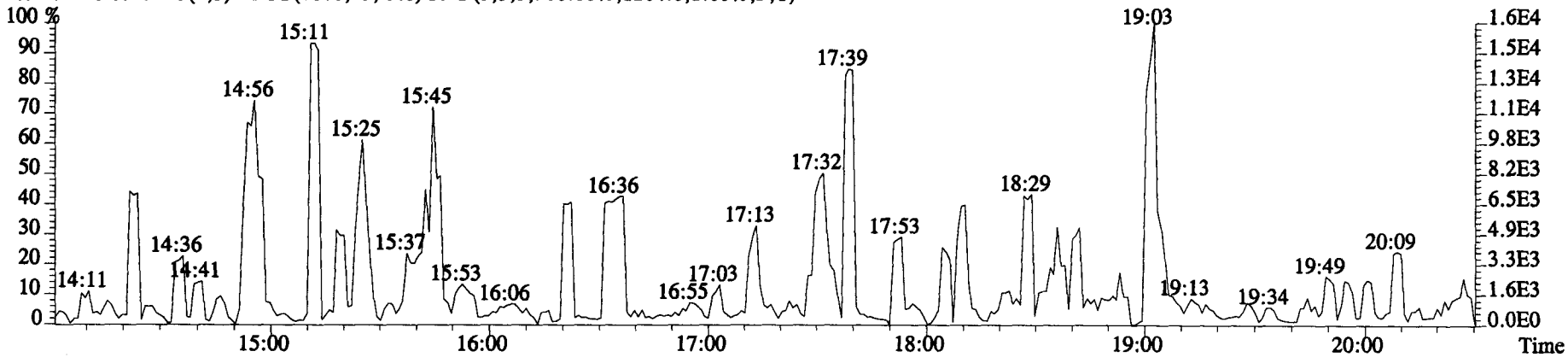
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES
339.8597 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2352.0,1.00%,F,T)



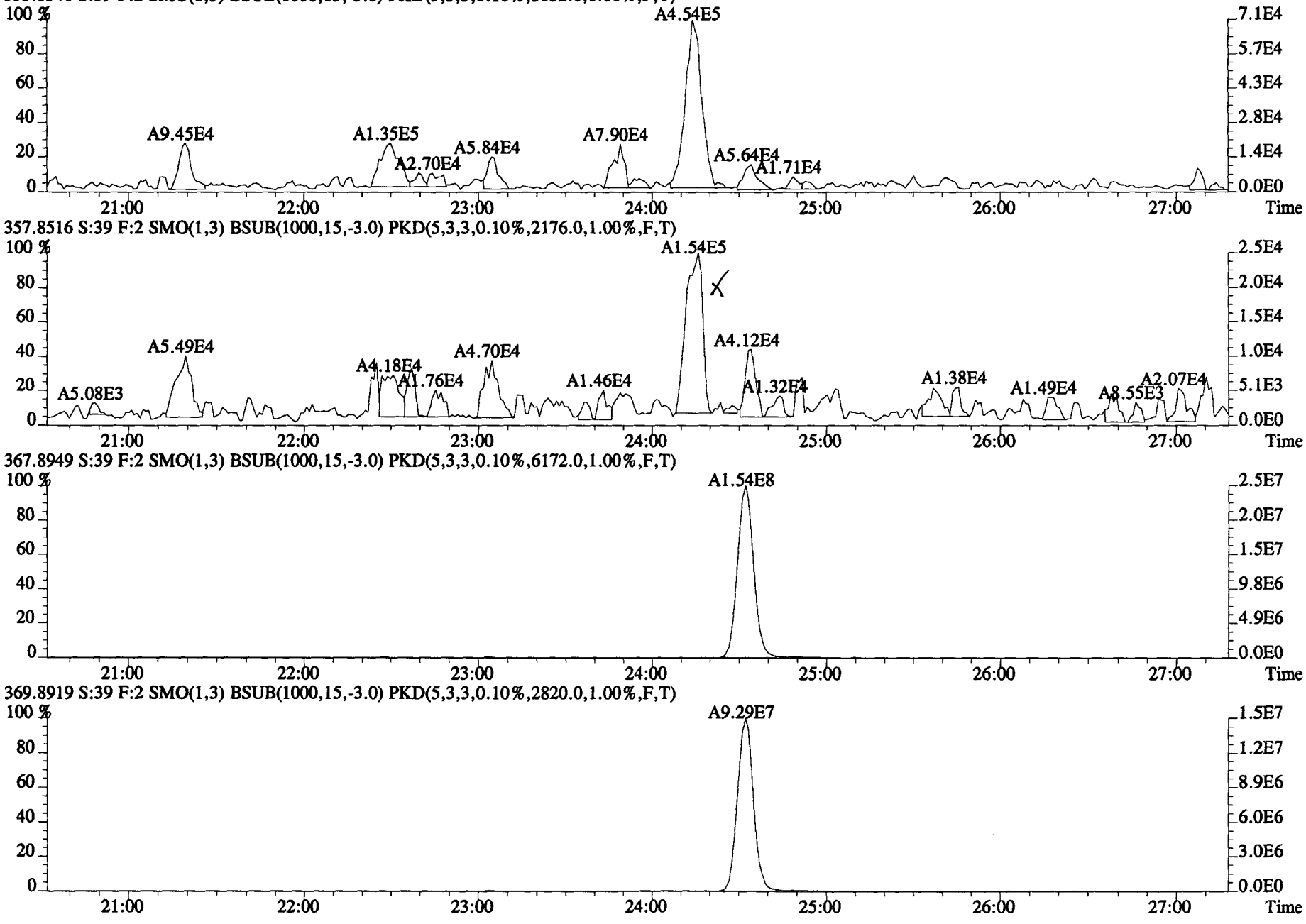
341.8567 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4908.0,1.00%,F,T)



409.7974 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1204.0,1.00%,F,T)

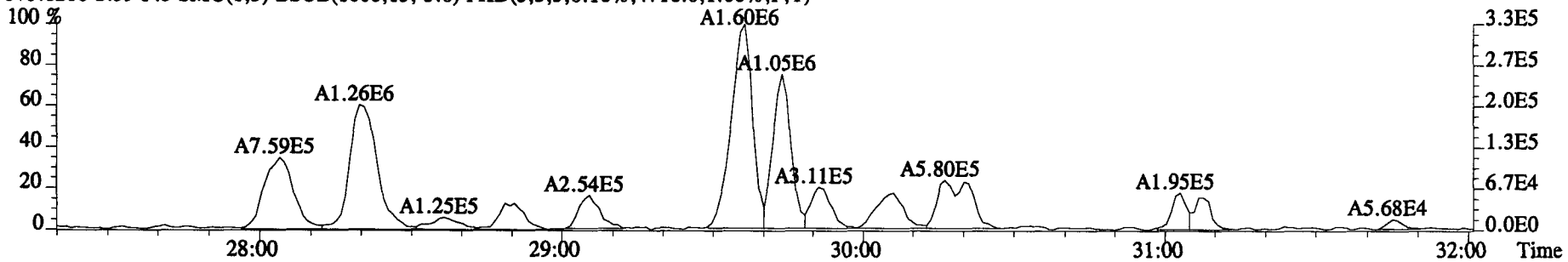


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES

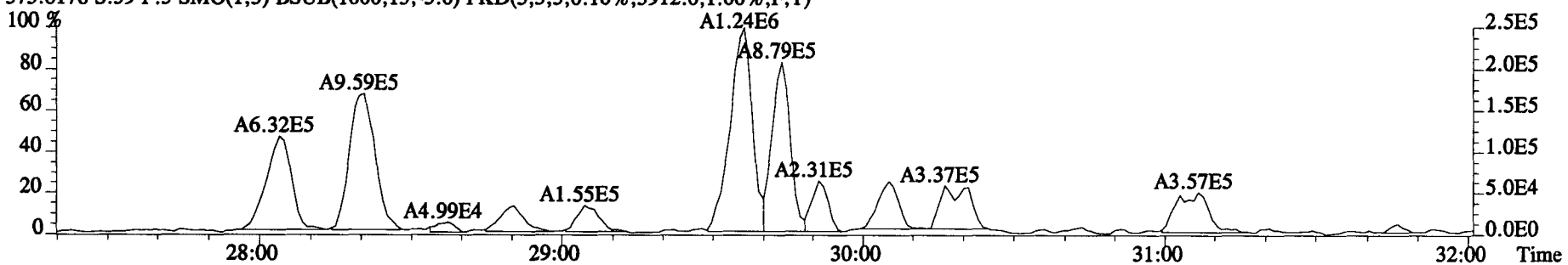


File:22SE10B1D5 #1-302 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES

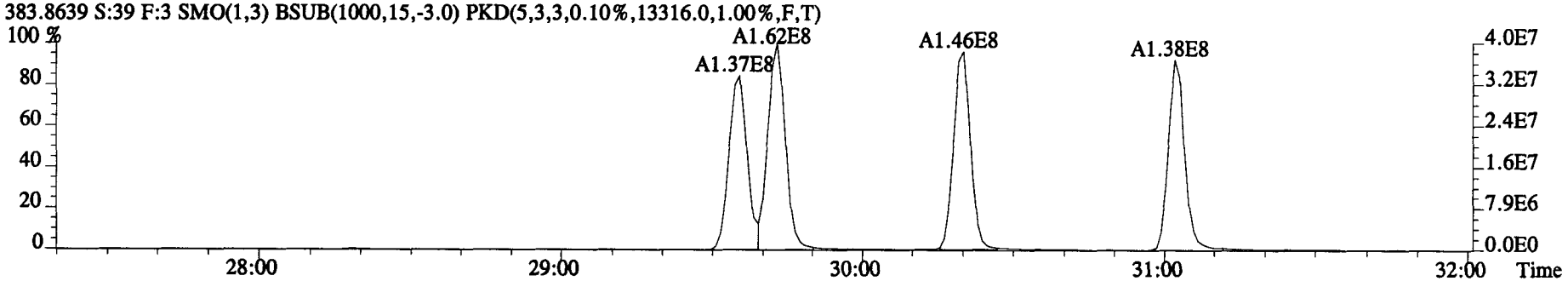
373.8208 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4716.0,1.00%,F,T)



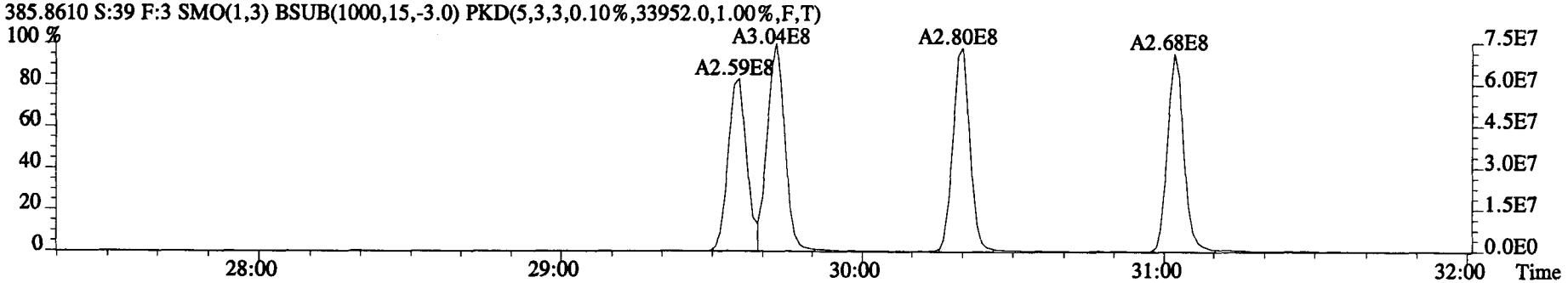
375.8178 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5912.0,1.00%,F,T)



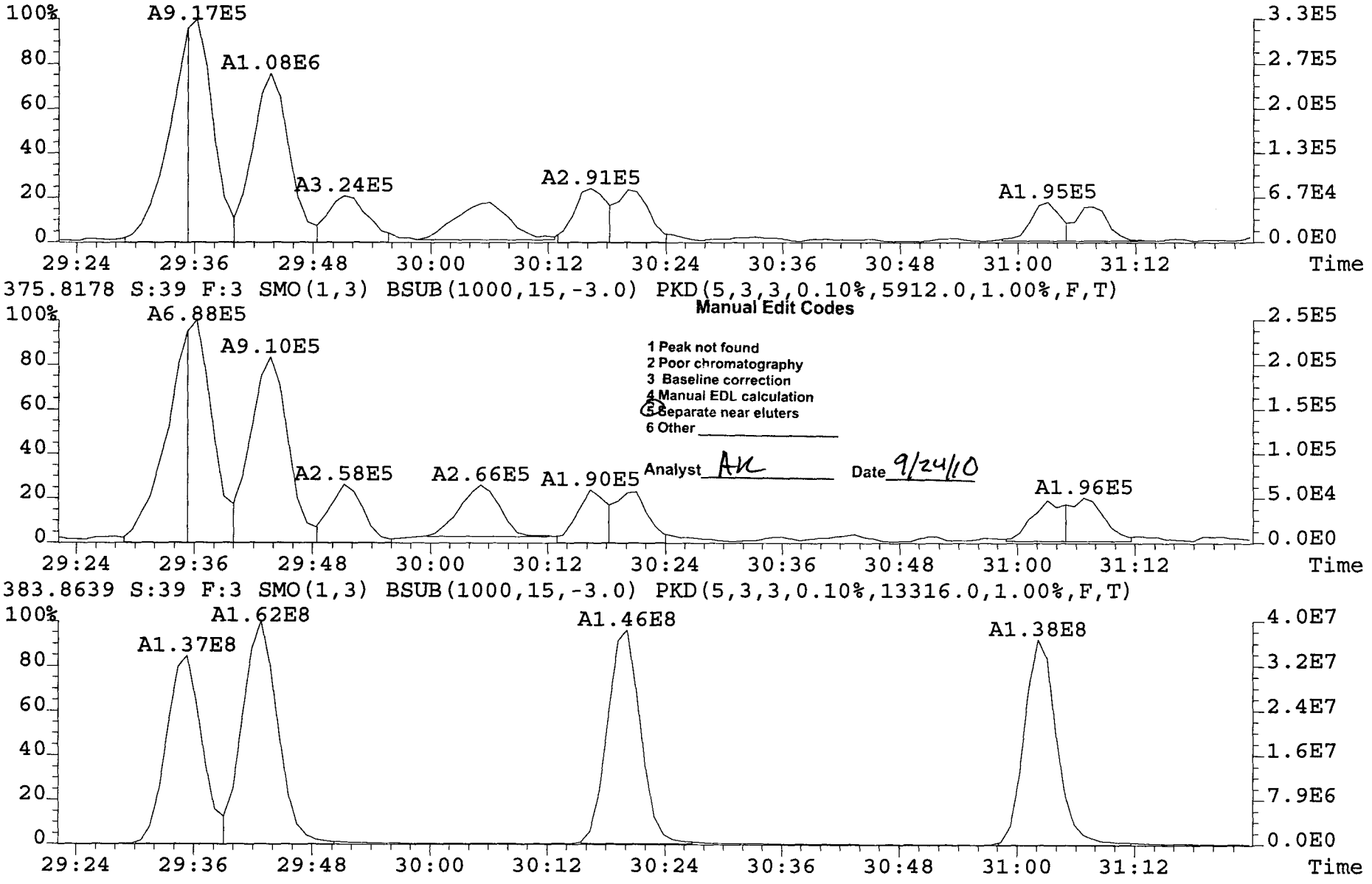
383.8639 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13316.0,1.00%,F,T)



385.8610 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33952.0,1.00%,F,T)



File:22SE10B1D5 #1-302 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES

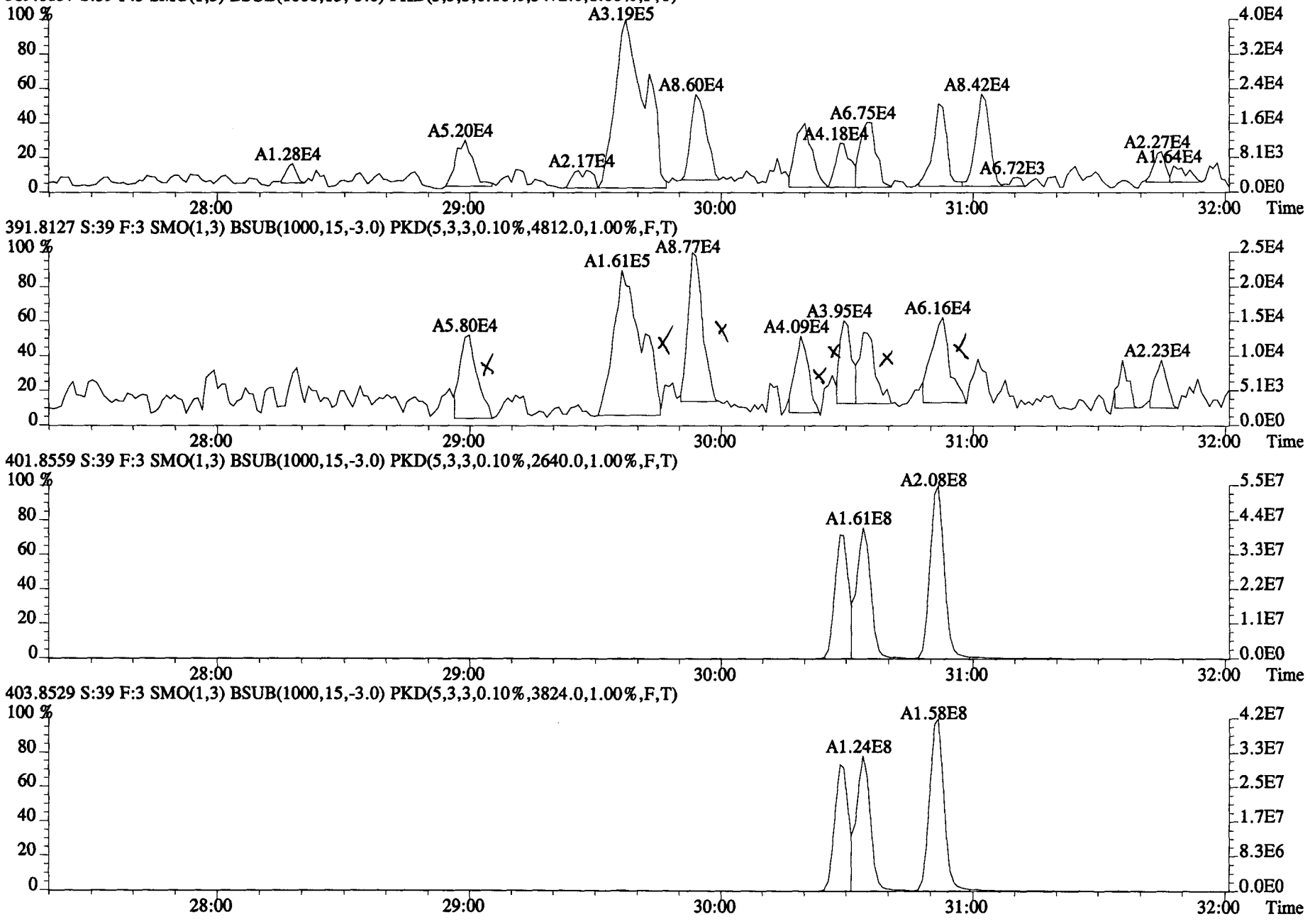


Manual Edit Codes

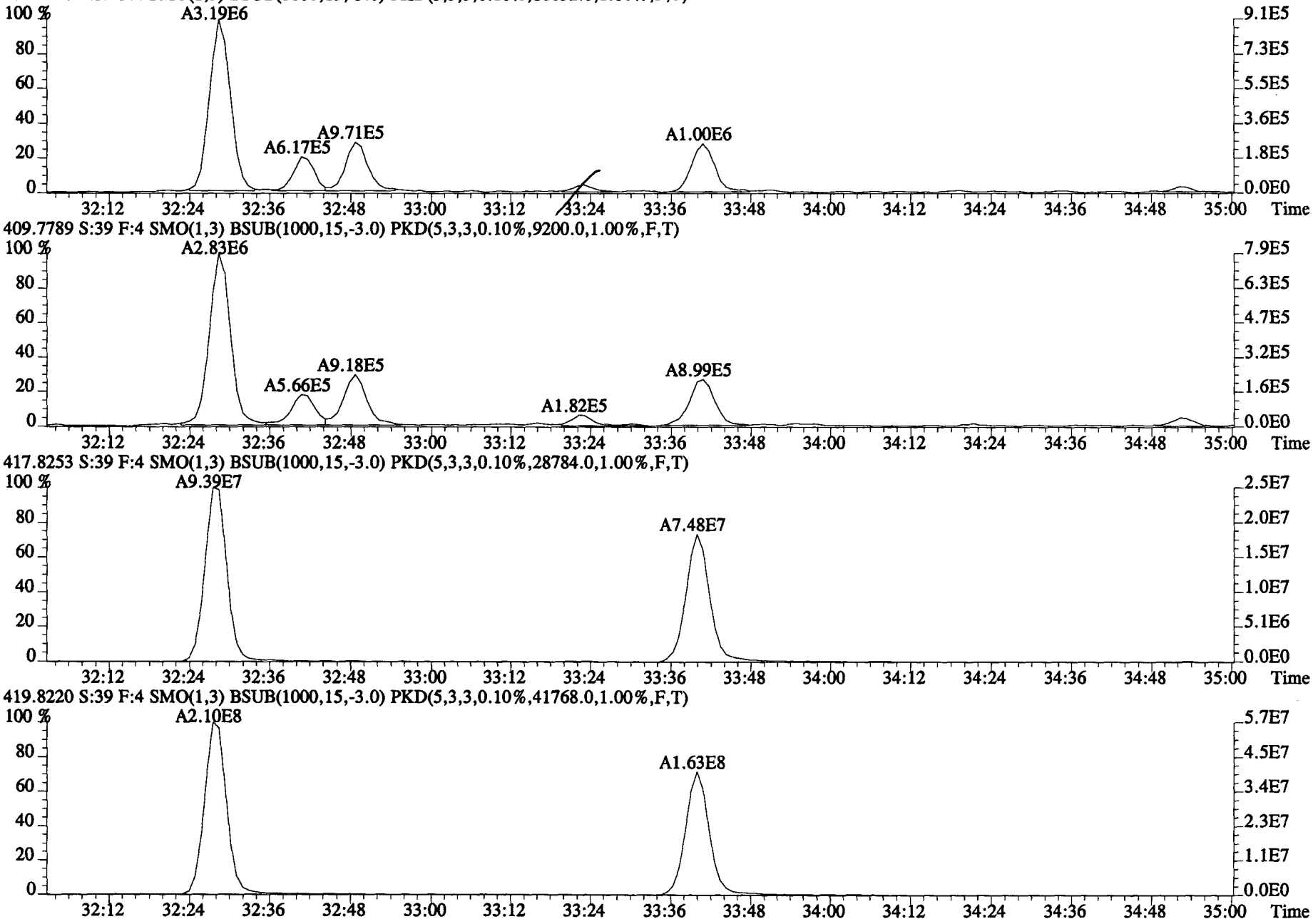
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst AK Date 9/24/10

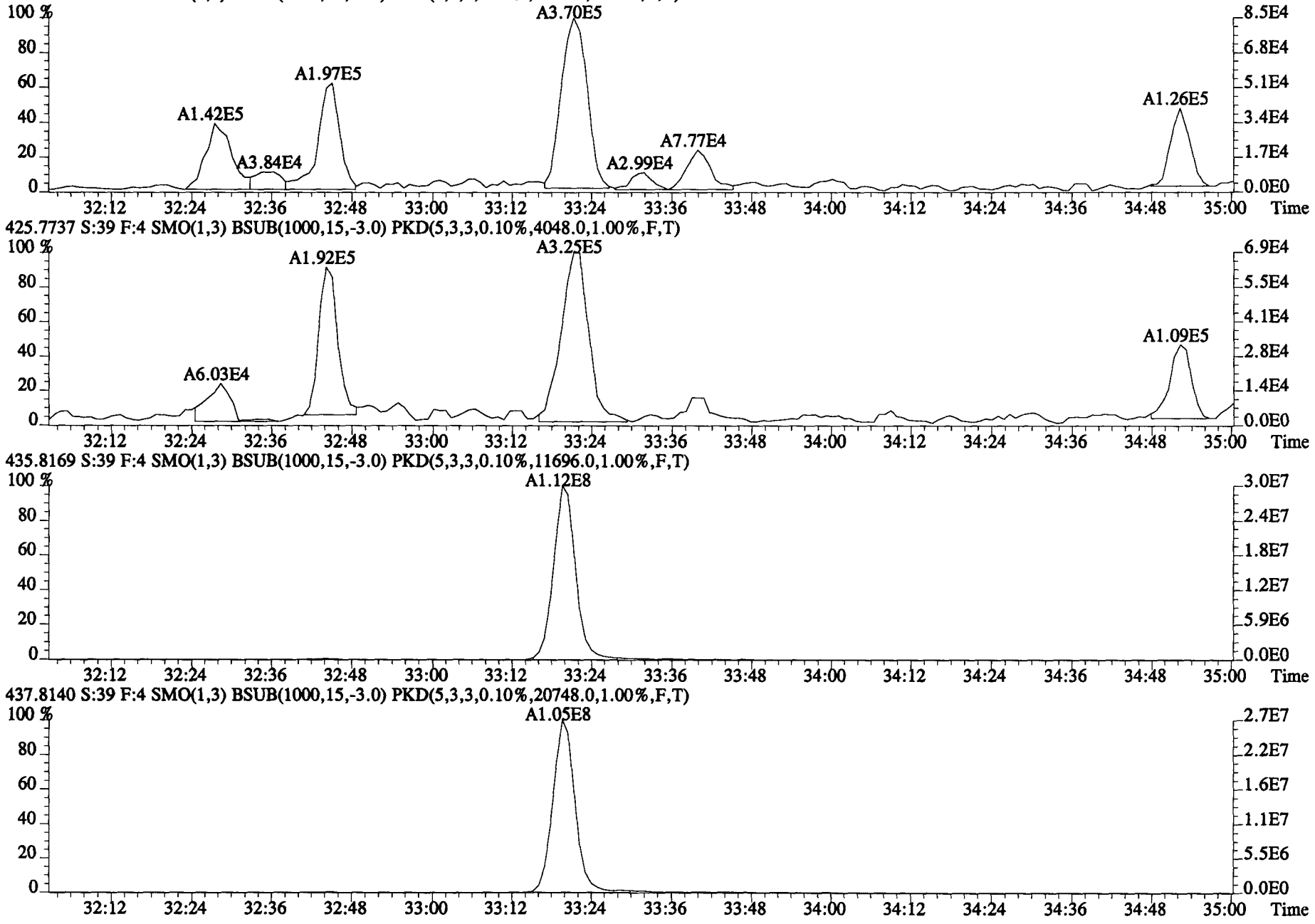
File:22SE10B1D5 #1-302 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES



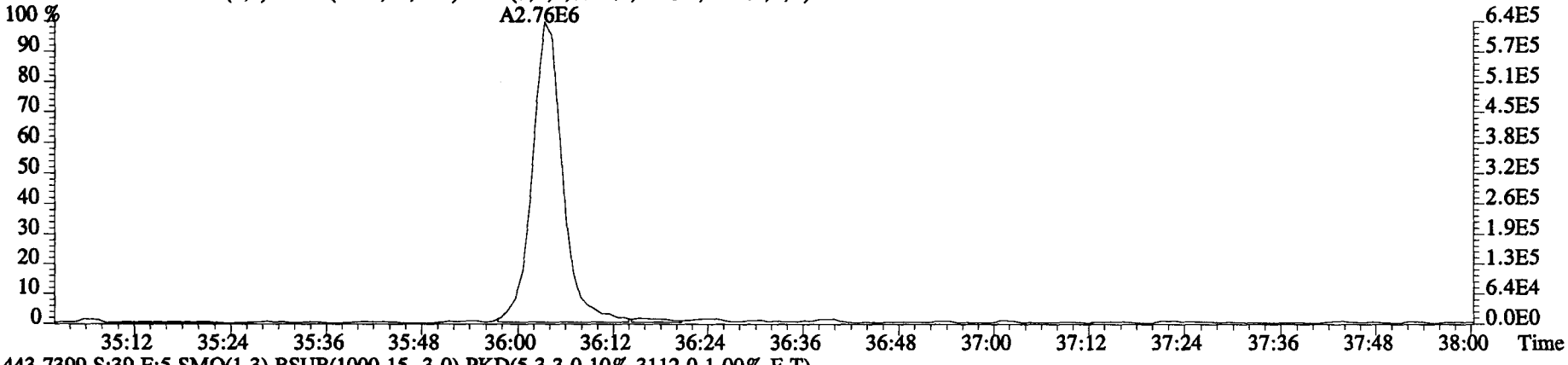
File:22SE10B1D5 #1-202 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES



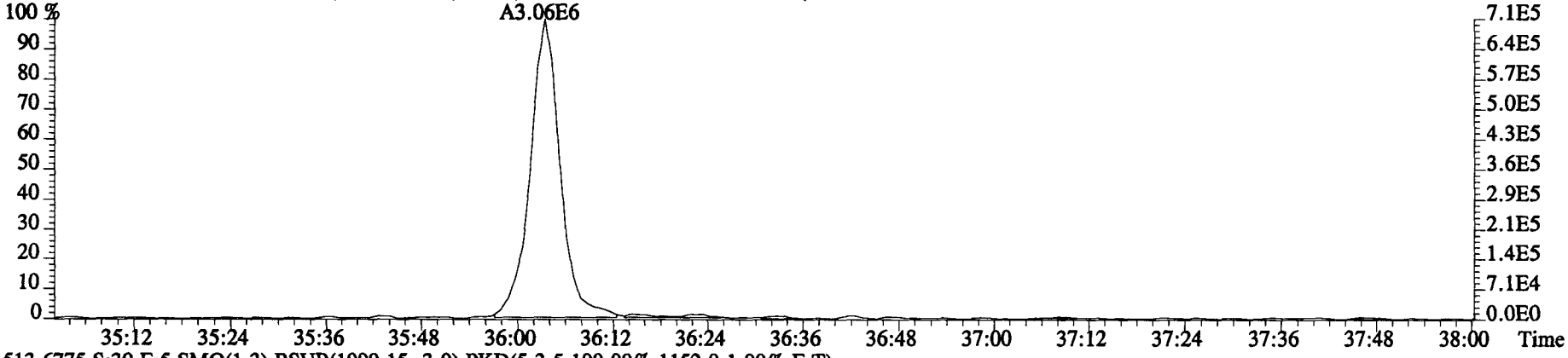
File:22SE10B1D5 #1-202 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES



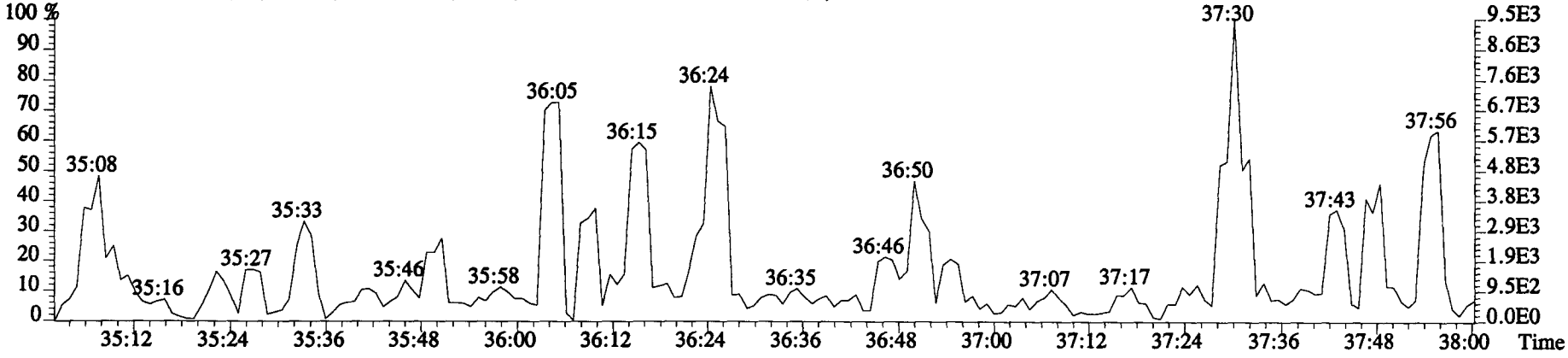
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES
441.7428 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4576.0,1.00%,F,T)



443.7399 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3112.0,1.00%,F,T)



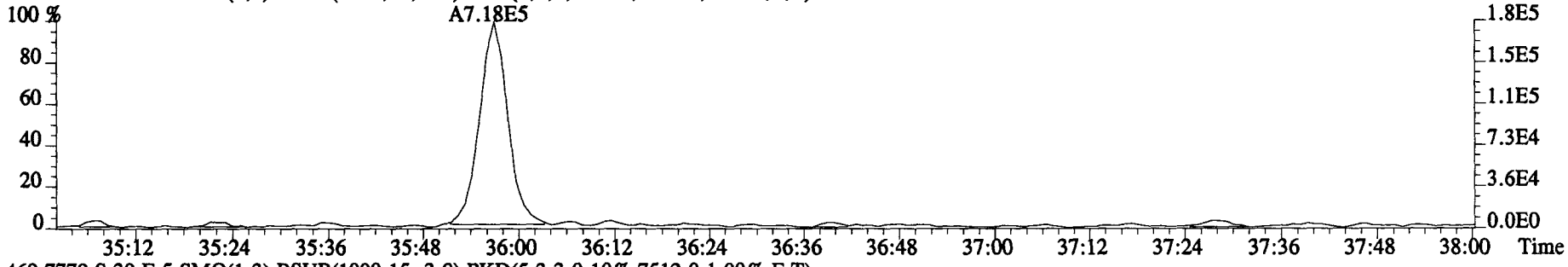
513.6775 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1152.0,1.00%,F,T)



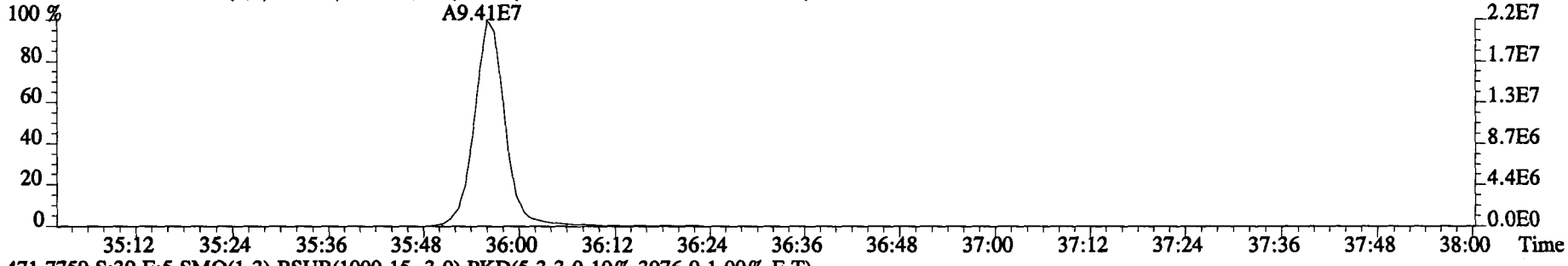
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES

457.7377 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2056.0,1.00%,F,T)

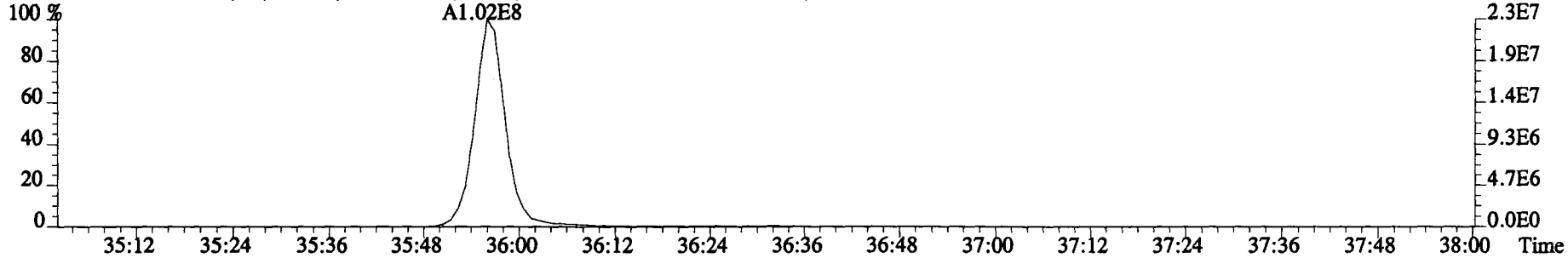
459.7348 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2776.0,1.00%,F,T)



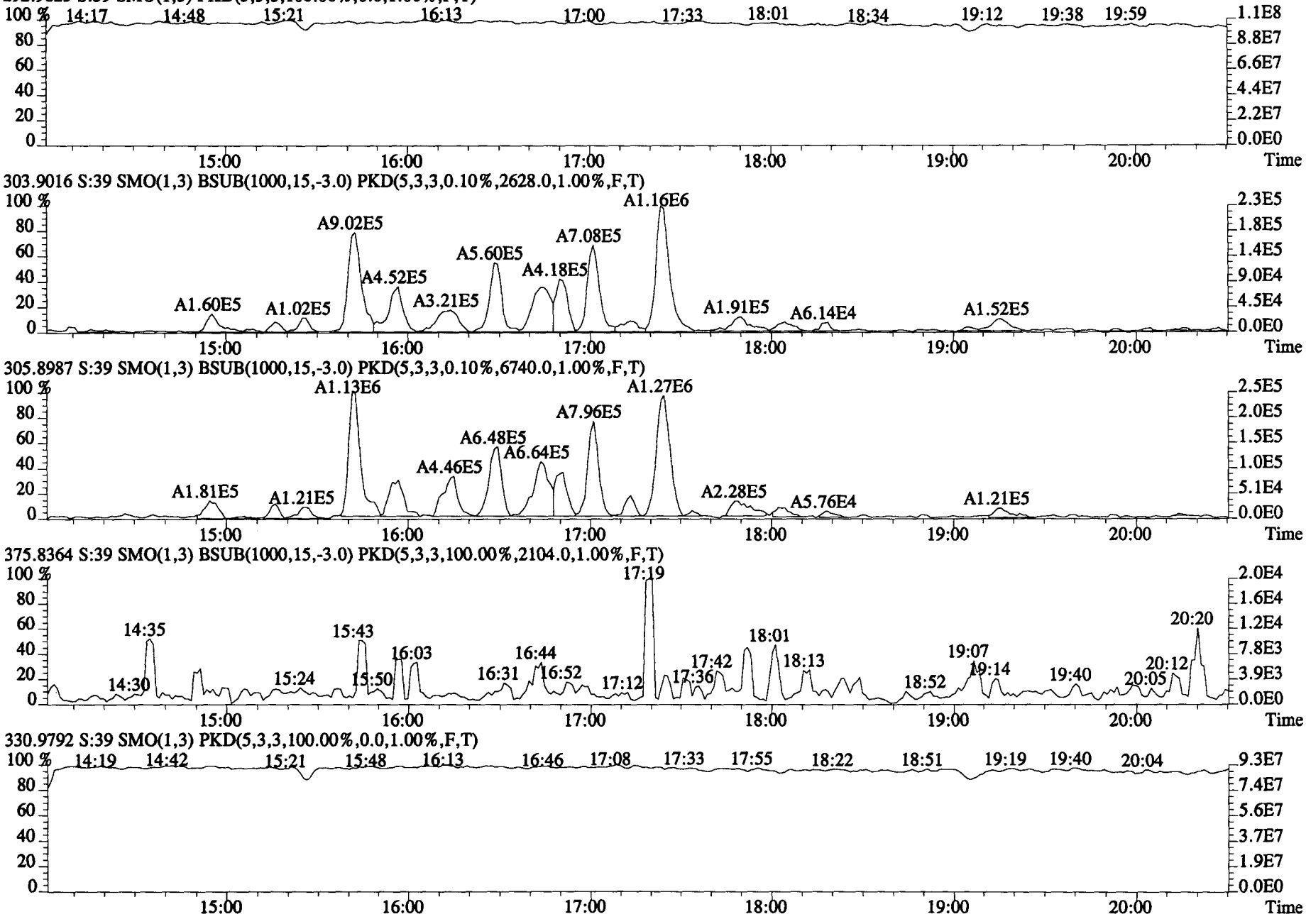
469.7779 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7512.0,1.00%,F,T)



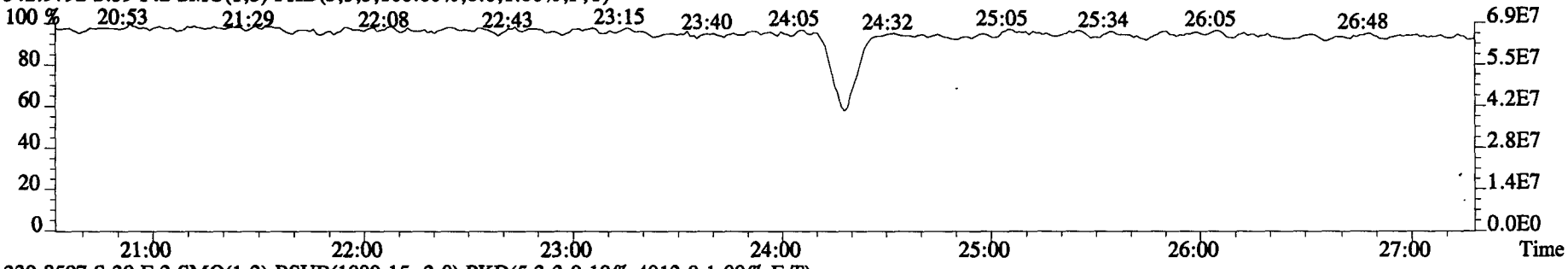
471.7750 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3976.0,1.00%,F,T)



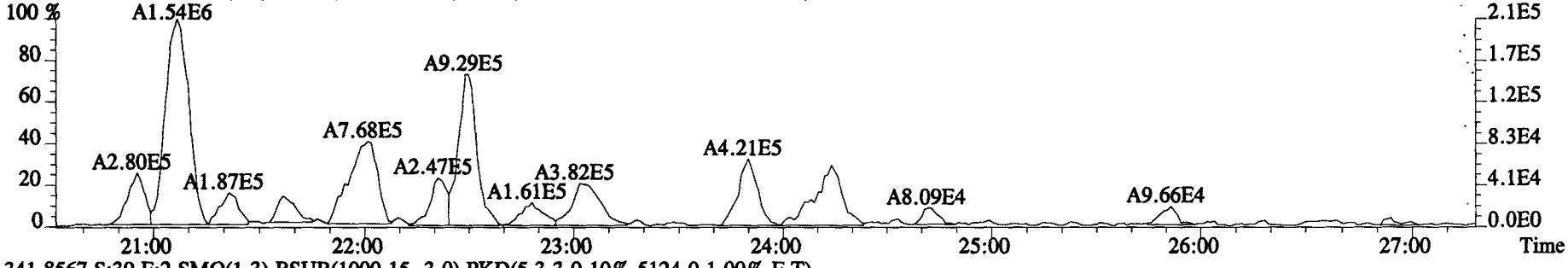
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES



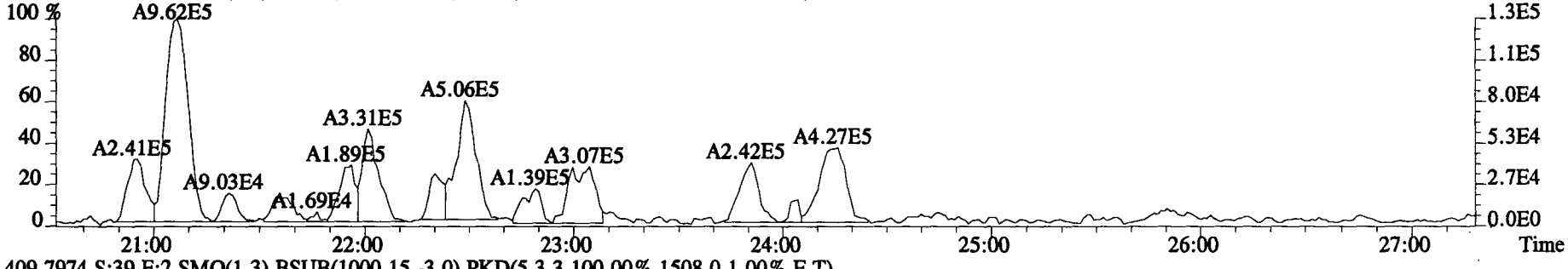
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES
342.9792 S:39 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



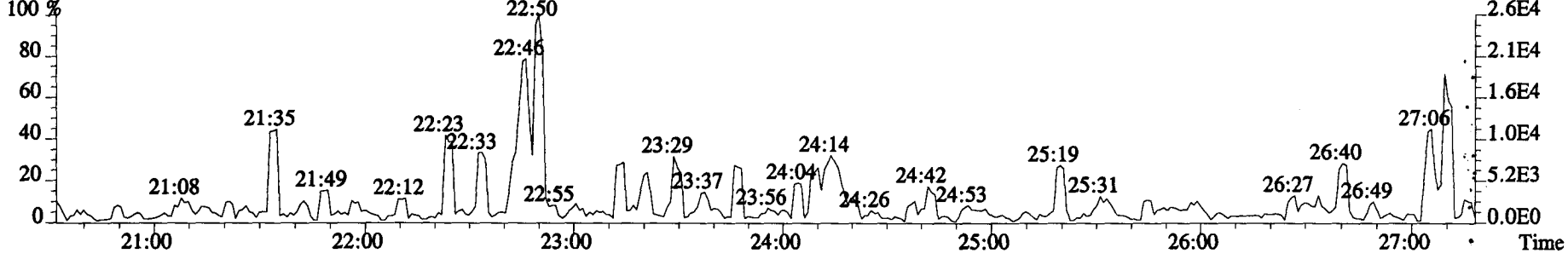
339.8597 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4012.0,1.00%,F,T)



341.8567 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5124.0,1.00%,F,T)

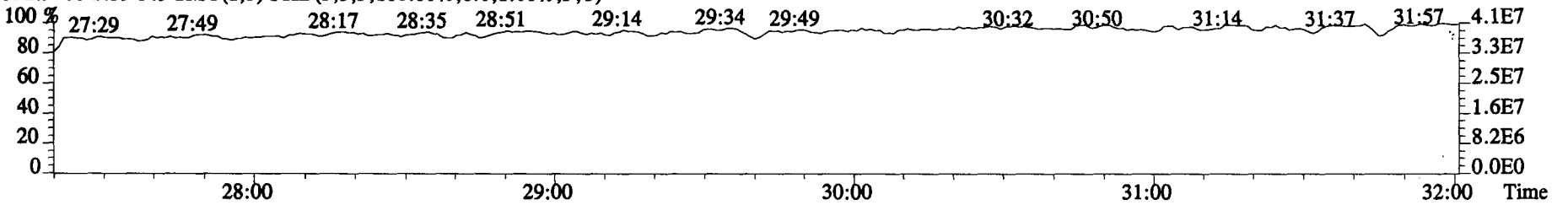


409.7974 S:39 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1508.0,1.00%,F,T)

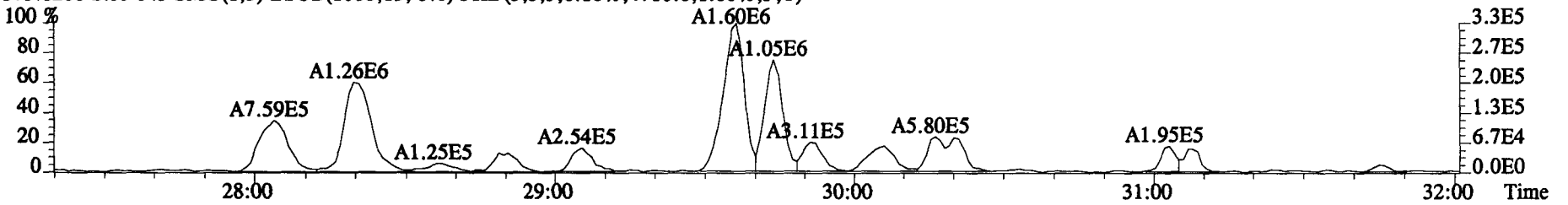


File:22SE10B1D5 #1-302 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES

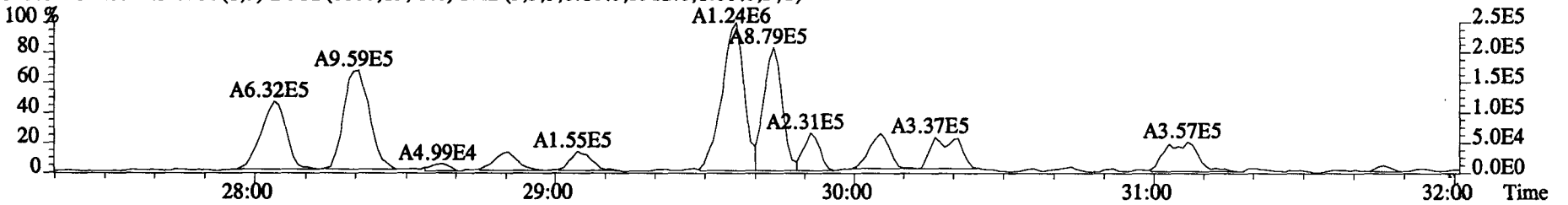
392.9760 S:39 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



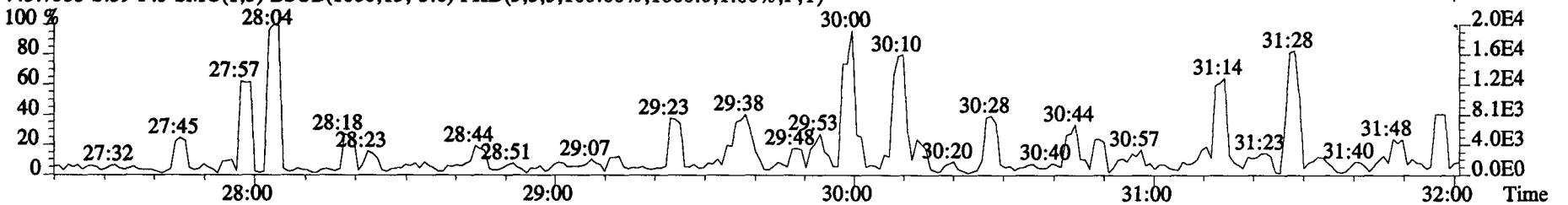
373.8208 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4716.0,1.00%,F,T)



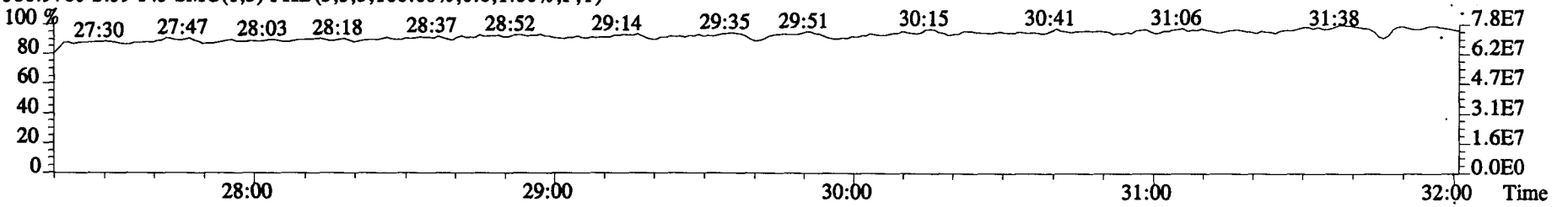
375.8178 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5912.0,1.00%,F,T)



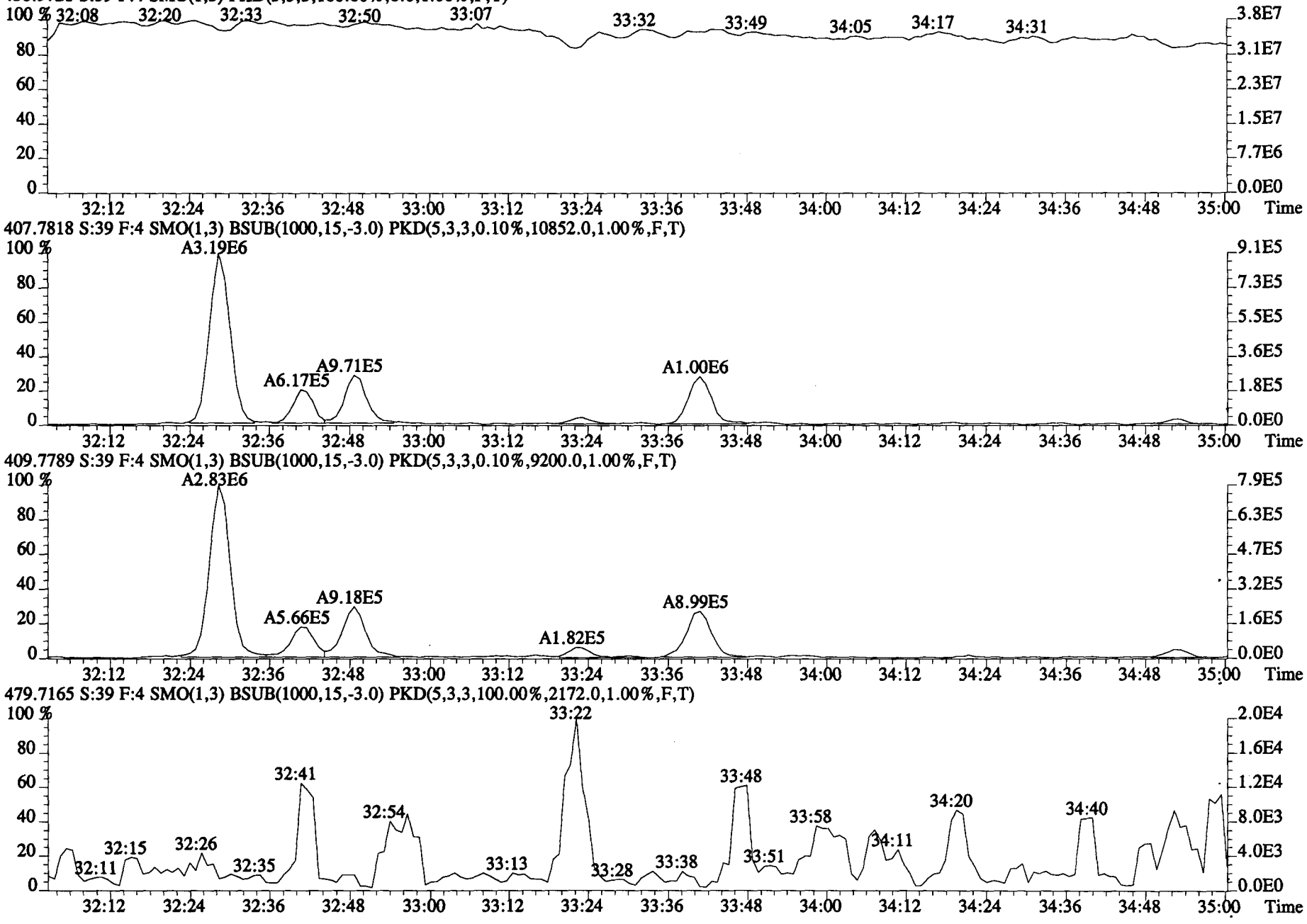
445.7555 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1660.0,1.00%,F,T)



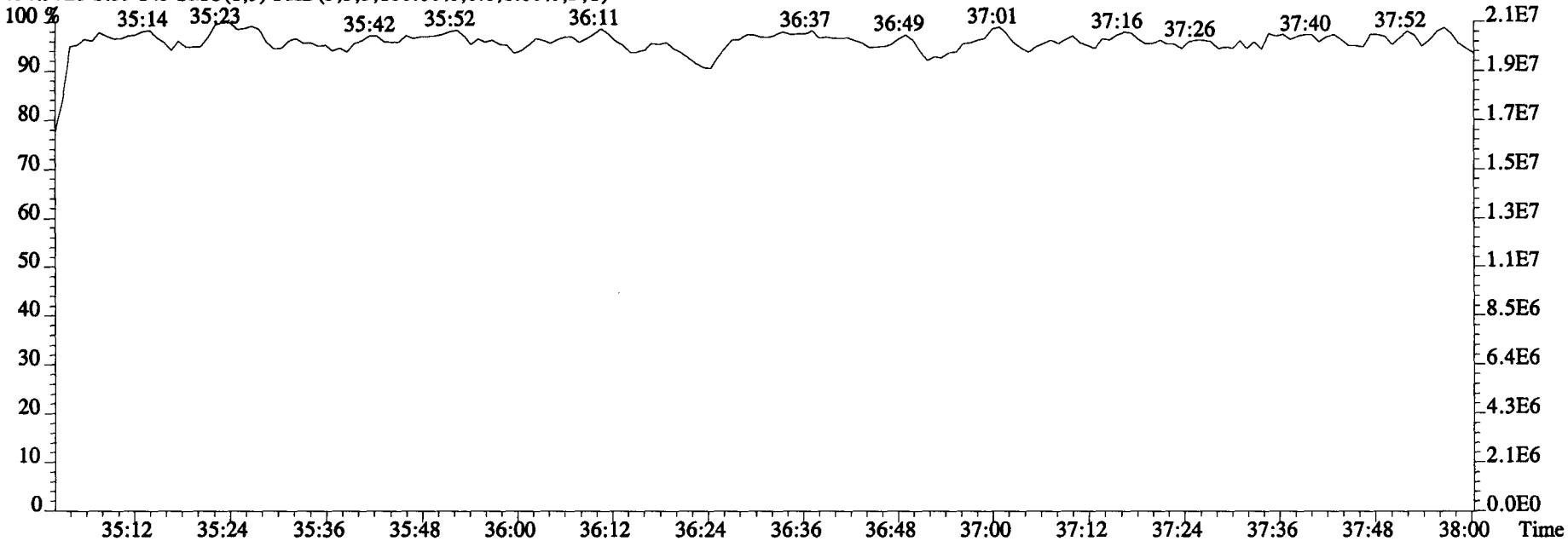
380.9760 S:39 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



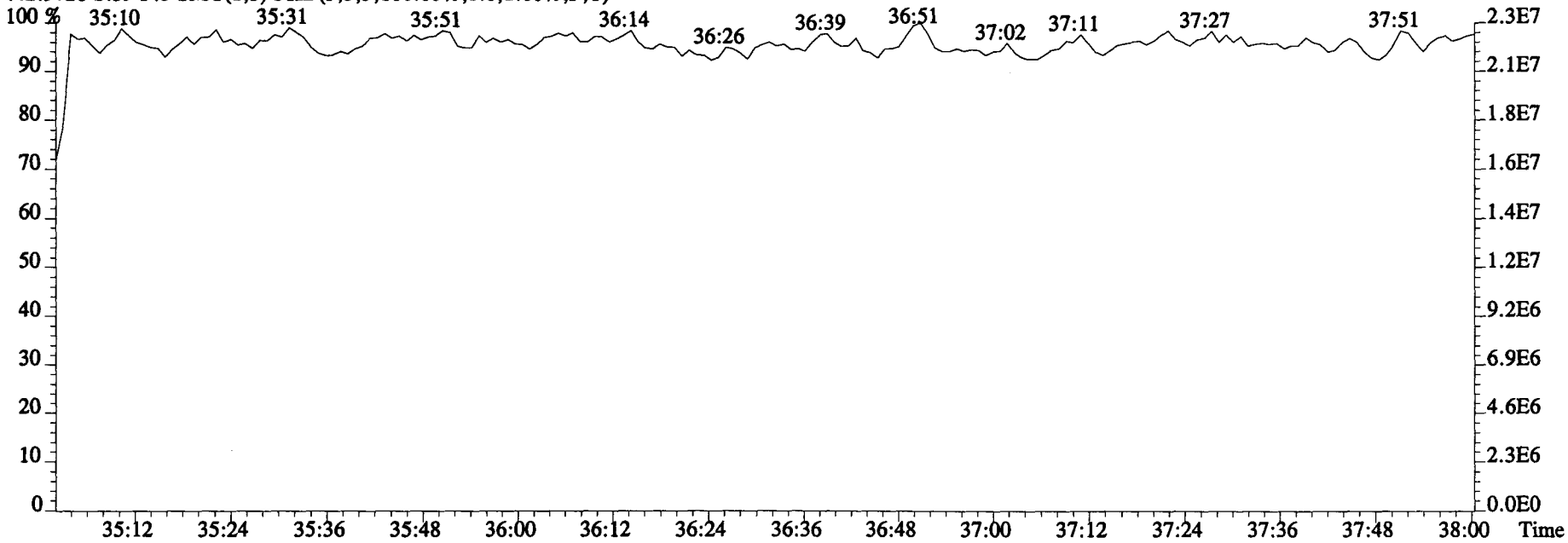
File:22SE10B1D5 #1-202 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 02:51:27 GC EI+ Voltage SIR 70SE
Sample#39 Text:L6644-1-AA :G0I180489-3 Exp:DIOXINRES
454.9728 S:39 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:39 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4
Run #14 Filename: 22SE10B1D5 S: 40 I: 1 Results: 22se10b1d5to9
Acquired: 24-SEP-10 03:34:23 Processed: 24-SEP-10 08:34:27
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 Samp

AK 9/24/10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	414882000	0.82	y	17:51	-	237.46	-	-	n
13C-2,3,7,8-TCDF	624013000	0.81	y	17:20	1.56	3849.03	1.75	96.2	n
2,3,7,8-TCDF	4616170	0.81	y	17:22	0.98	30.08 see DB225	0.78	-	n
Total TCDF	23528894	0.79	y	14:53	0.98	~~153.31~~ 161.73 ✓	0.78	-	n
13C-2,3,7,8-TCDD	367505000	0.79	y	18:03	0.92	3847.61	3.40	96.2	n
2,3,7,8-TCDD	210276	0.79	y	18:03	1.03	2.22 DL CS/N	1.31	-	n
Total TCDD	1035762	0.97	n	15:49	1.03	~~10.93~~ 6.25 ✓	1.31	-	n
37Cl-2,3,7,8-TCDD	202988000	1.00	y	18:04	1.23	1801.69	1.59	112.6	n
13C-1,2,3,7,8-PeCDF	439197000	1.63	y	22:26	1.05	4022.99	2.43	100.6	n
1,2,3,7,8-PeCDF	3128910	1.53	y	22:27	1.09	26.09 J	1.43	-	n
2,3,4,7,8-PeCDF	1384046	1.76	y	23:47	1.02	12.39 ↓ ✓	1.53	-	n
Total F2 PeCDF	18691950	1.61	y	20:53	1.05	~~160.89~~ 161.97	1.48	-	y
Total F1 PeCDF	1234082	0.60	n	15:23	1.05	~~10.65~~	0.93	-	n
13C-1,2,3,7,8-PeCDD	241539000	1.62	y	24:30	0.56	4152.06	1.62	103.8	n
1,2,3,7,8-PeCDD	116118	1.22	n	24:31	1.07	1.80 JQ	1.63	-	n
Total PeCDD	1248273	2.25	n	21:19	1.07	~~19.31~~ ~~16.95~~	1.63	-	n
13C-1,2,3,7,8,9-HxCDD	338075000	1.28	y	30:51	-	mw 9/24/2010 206.00 10.82	-	-	n
13C-1,2,3,4,7,8-HxCDF	372495000	0.52	y	29:34	0.99	4447.97	0.82	111.2	n
1,2,3,4,7,8-HxCDF	4250180	1.15	y	29:35	1.26	36.20 J	1.15	-	y
1,2,3,6,7,8-HxCDF	4542950	1.24	y	29:42	1.53	31.86	0.94	-	y
2,3,4,6,7,8-HxCDF	735036	1.25	y	30:19	1.41	5.61	1.03	-	y
1,2,3,7,8,9-HxCDF	559838	1.20	y	31:02	1.40	4.31 ↓	1.04	-	y
Total HxCDF	28517140	1.30	y	28:02	1.40	✓ 219.44	1.03	-	y
13C-1,2,3,6,7,8-HxCDD	275816000	1.32	y	30:33	0.74	4413.01	1.15	110.3	n
1,2,3,4,7,8-HxCDD	88354	1.44	n	30:28	1.12	~~CDF 1.14~~ JQ	1.32	-	n
1,2,3,6,7,8-HxCDD	145442	1.90	n	30:34	1.14	1.85 ↓	1.29	-	n
1,2,3,7,8,9-HxCDD	252065	1.38	y	30:51	1.35	2.70 J 9/24/2010 mw	1.09	-	n
Total HxCDD	1548291	1.92	n	28:58	1.20	✓ ~~18.48~~ 17.34	1.22	-	n
13C-1,2,3,4,6,7,8-HpCDF	291843500	0.45	y	32:27	0.96	3611.53	8.39	90.3	n
1,2,3,4,6,7,8-HpCDF	14194310	1.15	y	32:28	1.41	138.16	1.54	-	n
1,2,3,4,7,8,9-HpCDF	3668680	1.05	y	33:40	1.24	40.69 J	1.76	-	n
Total HpCDF	25284391	1.15	y	32:28	1.32	~~255.79~~ 251.43 ✓	1.64	-	n
13C-1,2,3,4,6,7,8-HpCDD	215915000	1.09	y	33:19	0.71	3586.98	2.30	89.7	n
1,2,3,4,6,7,8-HpCDD	890456	0.96	y	33:21	1.13	14.54 J	1.28	-	n
Total HpCDD	1715861	2.71	n	32:27	1.13	~~28.02~~ 21.40 ✓	1.28	-	n
13C-OCDD	193014800	0.90	y	35:55	0.35	6475.16	2.51	80.9	n
OCDF	13180940	0.88	y	36:03	2.12	✓ 258.00	2.01	-	n

OCDD	666835 0.85 y	35:56 1.37		20.16 J		2.45	- n

Run text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4
Run #14 Filename: 22SE10B1D5 S: 40 I: 1 Results: 22SE10B1D5TO9
Acquired: 24-SEP-10 03:34:23 Processed: 24-SEP-10 08:34:27
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	414882000	0.82	y	17:51	-	237.46	-	-	n
13C-2,3,7,8-TCDF	624013000	0.81	y	17:20	1.56	3849.03	1.75	96.2	n
2,3,7,8-TCDF	4616170	0.81	y	17:22	0.98	30.08	0.78	-	n
Total TCDF	23528894	0.79	y	14:53	0.98	153.31	0.78	-	n
13C-2,3,7,8-TCDD	367505000	0.79	y	18:03	0.92	3847.61	3.40	96.2	n
2,3,7,8-TCDD	210276	0.79	y	18:03	1.03	2.22	1.31	-	n
Total TCDD	1035762	0.97	n	15:49	1.03	10.93	1.31	-	n
37Cl-2,3,7,8-TCDD	202988000	1.00	y	18:04	1.23	1801.69	1.59	112.6	n
13C-1,2,3,7,8-PeCDF	439197000	1.63	y	22:26	1.05	4022.99	2.43	100.6	n
1,2,3,7,8-PeCDF	3128910	1.53	y	22:27	1.09	26.09	1.43	-	n
2,3,4,7,8-PeCDF	1384045	1.76	y	23:47	1.02	12.39	1.53	-	n
Total F2 PeCDF	18700966	1.61	y	20:53	1.05	160.97	1.48	-	n
Total F1 PeCDF	1234082	0.60	n	15:23	1.05	10.65	0.93	-	n
13C-1,2,3,7,8-PeCDD	241539000	1.62	y	24:30	0.56	4152.06	1.62	103.8	n
1,2,3,7,8-PeCDD	116118	1.22	n	24:31	1.07	1.80	1.63	-	n
Total PeCDD	1248273	2.25	n	21:19	1.07	19.31	1.63	-	n
13C-1,2,3,7,8,9-HxCDD	338075000	1.28	y	30:51	-	206.00	-	-	n
13C-1,2,3,4,7,8-HxCDF	372495000	0.52	y	29:34	0.99	4447.97	0.82	111.2	n
1,2,3,4,7,8-HxCDF	6574290	1.13	y	29:35	1.26	55.99	1.15	-	n
1,2,3,6,7,8-HxCDF	4380440	1.30	y	29:42	1.53	30.72	0.94	-	n
2,3,4,6,7,8-HxCDF	2071678	1.22	y	30:16	1.41	15.81	1.03	-	n
1,2,3,7,8,9-HxCDF	814110	2.14	n	31:07	1.40	6.26	1.04	-	n
Total HxCDF	27706483	1.30	y	28:02	1.40	215.22	1.03	-	n
13C-1,2,3,6,7,8-HxCDD	275816000	1.32	y	30:33	0.74	4413.01	1.15	110.3	n
1,2,3,4,7,8-HxCDD	88354	1.44	n	30:28	1.12	1.14	1.32	-	n
1,2,3,6,7,8-HxCDD	145442	1.90	n	30:34	1.14	1.85	1.29	-	n
1,2,3,7,8,9-HxCDD	252065	1.38	y	30:51	1.35	2.70	1.09	-	n
Total HxCDD	1548291	1.92	n	28:58	1.20	18.48	1.22	-	n
13C-1,2,3,4,6,7,8-HpCDF	291843500	0.45	y	32:27	0.96	3611.53	8.39	90.3	n
1,2,3,4,6,7,8-HpCDF	14194310	1.15	y	32:28	1.41	138.16	1.54	-	n
1,2,3,4,7,8,9-HpCDF	3668680	1.05	y	33:40	1.24	40.69	1.76	-	n
Total HpCDF	25284391	1.15	y	32:28	1.32	255.79	1.64	-	n
13C-1,2,3,4,6,7,8-HpCDD	215915000	1.09	y	33:19	0.71	3586.98	2.30	89.7	n
1,2,3,4,6,7,8-HpCDD	890456	0.96	y	33:21	1.13	14.54	1.28	-	n
Total HpCDD	1715861	2.71	n	32:27	1.13	28.02	1.28	-	n
13C-OCDD	193014800	0.90	y	35:55	0.35	6475.16	2.51	80.9	n
OCDF	13180940	0.88	y	36:03	2.12	258.00	2.01	-	n
OCDD	666835	0.85	y	35:56	1.37	20.16	2.45	-	n

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:18
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	76.66 of which	15.04 named and	61.62 unnamed
Conc:	153.31 of which	30.08 named and	123.23 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:53	0.79	y	4.69	316606	25.1	y	n
						403168	15.6	y	n
	2	15:14	0.83	y	1.76	122307	5.7	y	n
						148019	6.3	y	n
	3	15:23	0.94	n	1.97	161467	9.2	y	n
						171152	6.9	y	n
	4	15:40	0.79	y	25.27	1713110	108.2	y	n
						2164880	79.1	y	n
	5	15:54	0.81	y	11.42	783671	38.1	y	n
						968882	31.8	y	n
	6	16:12	0.79	y	11.36	767758	31.3	y	n
						975552	23.4	y	n
	7	16:26	0.81	y	13.22	908850	53.5	y	n
						1119530	42.9	y	n
	8	16:41	0.88	y	12.06	865810	47.0	y	n
						984404	30.3	y	n
	9	16:48	0.70	y	10.44	659257	44.5	y	n
						943603	31.3	y	n
	10	16:58	0.73	y	17.29	1120740	70.9	y	n
						1532660	60.7	y	n
	11	17:11	0.90	n	3.36	263851	12.8	y	n
						291691	9.1	y	n
2,3,7,8-TCDF	12	17:22	0.81	y	30.08	2071680	113.2	y	n
						2544490	80.5	y	n
	13	17:32	1.03	n	0.37	32946	2.9	n	n
						32016	1.6	n	n
	14	17:46	0.77	y	4.72	315085	18.2	y	n
						409182	16.0	y	n
	15	18:01	0.89	y	2.38	171611	11.4	y	n
						193896	5.1	y	n

16	18:16	0.99	n	0.88	75850	4.4	y	n
					76628	3.4	y	n
17	19:13	0.93	n	1.70	137780	8.3	y	n
					147635	4.7	y	n
18	20:22	1.69	n	0.33	48896	2.2	n	n
					28982	1.2	n	n

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:6
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	5.46 of which	1.11 named and	4.35	unnamed
Conc:	10.93 of which	2.22 named and	8.71	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:49	0.97	n	1.42	73568	3.9	y	n
						75961	2.8	n	n
	2	16:06	1.12	n	2.99	178363	10.7	y	n
						159871	8.1	y	n
	3	16:55	0.60	n	1.84	75713	3.5	y	n
						126332	5.4	y	n
	4	17:09	0.23	n	0.37	15198	1.1	n	n
						65289	2.5	n	n
	5	17:55	1.13	n	2.10	127209	4.2	y	n
						112479	2.8	n	n
2,3,7,8-TCDD	6	18:03	0.79	y	2.22	93101	4.4	y	n
						117175	4.8	y	n

see 3A

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:14
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	80.48 of which	19.24 named and	61.25	unnamed
Conc:	160.97 of which	38.48 named and	122.49	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:53	1.61	y	10.14	724005	29.0	y	n
						450207	14.9	y	n
	2	21:05	1.59	y	50.19	3568110	106.1	y	n
						2244950	59.7	y	n
	3	21:20	1.56	y	5.19	366185	12.0	y	n
						234683	6.9	y	n
	4	21:35	1.48	y	5.35	370267	14.2	y	n
						249390	7.6	y	n
	5	21:57	1.86	n	16.84	1426300	32.6	y	n
						764815	17.5	y	n
	6	22:20	2.17	n	5.90	580769	25.6	y	n
						268026	10.6	y	n
1,2,3,7,8-PeCDF	7	22:27	1.53	y	26.09	1889920	67.4	y	n
						1238990	38.8	y	n
	8	22:45	1.55	y	4.70	330313	14.9	y	n
						213590	5.8	y	n
	9	23:01	1.49	y	10.86	753792	19.7	y	n
						504519	10.8	y	n
2,3,4,7,8-PeCDF	10	23:47	1.76	y	12.39	882285	29.0	y	n
						501760	12.8	y	n
	11	24:07	0.62	n	4.75	334360	13.4	y	n
						542989	10.0	y	n
	12	24:11	0.60	n	4.65	327434	12.6	y	n
						542989	10.0	y	n
	13	24:40	1.35	y	1.51	100315	3.0	n	n
						74305	2.6	n	n
	14	25:46	1.80	n	2.42	197940	5.3	y	n
						110148	3.3	y	n

 3A

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? yes #Hom:13
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	80.45 of which	19.24 named and	61.21 unnamed
Conc:	160.89 of which	38.48 named and	122.41 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?	
	1	20:53	1.61	y	10.14	724006	29.0	y	n	
						450207	14.9	y	n	
	2	21:05	1.59	y	50.19	3568110	106.1	y	n	
						2244950	59.7	y	n	
	3	21:20	1.56	y	5.19	366186	12.0	y	n	
						234683	6.9	y	n	
	4	21:35	1.48	y	5.35	370267	14.2	y	n	D
						249390	7.6	y	n	
	5	21:57	1.86	n	16.84	1426300	32.6	y	n	
						764815	17.5	y	n	
	6	22:20	2.17	n	5.90	580769	25.6	y	n	
						268027	10.6	y	n	
1,2,3,7,8-PeCDF	7	22:27	1.53	y	26.09	1889920	67.4	y	n	
						1238990	38.8	y	n	
	8	22:45	1.55	y	4.70	330313	14.9	y	n	
						213591	5.8	y	n	
	9	23:01	1.49	y	10.86	753792	19.7	y	n	
						504520	10.8	y	n	
2,3,4,7,8-PeCDF	10	23:47	1.76	y	12.39	882285	29.0	y	n	
						501761	12.8	y	n	
	11	24:07	1.21	n	9.32	656309	13.4	y	y	
						542990	10.0	y	n	
	12	24:40	1.35	y	1.51	100315	3.0	n	n	
						74305	2.6	n	n	
	13	25:46	1.80	n	2.42	197940	5.3	y	n	
						110148	3.3	y	n	

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	5.33	of which	* named and	5.33	unnamed
Conc:	10.65	of which	* named and	10.65	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:23	0.60	n	1.46	102684	10.6	y	n
						170240	11.6	y	n
	2	18:19	1.23	n	0.37	25851	1.8	n	n
						20979	1.8	n	n
	3	19:04	0.68	n	1.88	132567	9.0	y	n
						195928	12.6	y	n
	4	19:30	1.42	y	6.43	437189	27.3	y	n
						307921	14.0	y	n
	5	19:49	0.92	n	0.51	36116	2.1	n	n
						39238	1.7	n	n

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:9
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	9.66 of which	0.90 named and	8.76 unnamed
Conc:	19.31 of which	1.80 named and	17.52 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:19	2.25	n	2.95	167933	5.2	y	n
						74704	7.8	y	n
	2	22:28	1.98	n	3.53	177397	6.6	y	n
						89436	9.5	y	n
	3	23:03	2.23	n	2.54	143643	6.2	y	n
						64372	5.7	y	n
	4	23:34	2.94	n	0.52	39068	2.6	n	n
						13280	2.8	n	n
	5	23:46	2.51	n	0.43	27145	1.6	n	n
						10818	1.7	n	n
	6	23:55	1.87	n	0.87	41371	2.7	n	n
						22139	2.6	n	n
	7	24:13	2.15	n	6.14	334915	9.9	y	n
						155506	16.1	y	n
1,2,3,7,8-PeCDD	8	24:31	1.22	n	1.80	70582	2.9	n	n
						57883	5.4	y	n
	9	25:33	1.27	n	0.54	21278	1.3	n	n
						16777	3.4	y	n

see QA

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:11
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	107.61 of which	54.39 named and	53.22 unnamed
Conc:	215.22 of which	108.78 named and	106.44 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:02	1.30	y	23.60	1736920	42.8	y	n
						1337690	40.0	y	n
	2	28:19	1.33	y	47.74	3545070	94.9	y	n

						2673610	82.6	y	n
	3	28:36	1.21	y	3.06	218166	5.8	y	n
						179973	6.5	y	n
	4	28:49	1.39	y	6.12	463918	15.0	y	n
						332782	10.8	y	n
	5	29:04	1.17	y	6.19	434190	12.8	y	n
						371729	12.2	y	n
1,2,3,4,7,8-HxCDF	6	29:35	1.13	y	55.99	3481250	126.5	y	n
						3093040	119.5	y	n
1,2,3,6,7,8-HxCDF	7	29:42	1.30	y	30.72	2472650	95.0	y	n
						1907790	82.9	y	n
	8	29:51	1.24	y	9.95	718806	24.5	y	n
						578018	22.9	y	n
	9	30:05	1.17	y	9.79	687064	23.1	y	n
						588029	19.4	y	n
2,3,4,6,7,8-HxCDF	10	30:16	1.22	y	15.81	1140240	27.7	y	n
						931438	25.9	y	n
1,2,3,7,8,9-HxCDF	11	31:07	2.14	n	6.26	778777	19.0	y	n
						363442	15.1	y	n

6A

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:14
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	109.72 of which	38.99 named and	70.73 unnamed
Conc:	219.44 of which	77.97 named and	141.47 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:02	1.30	y	23.60	1736920	42.8	y	n
						1337690	40.0	y	n
	2	28:19	1.33	y	47.74	3545070	94.9	y	n
						2673610	82.6	y	n
	3	28:36	1.21	y	3.06	218166	5.8	y	n
						179973	6.5	y	n
	4	28:49	1.39	y	6.12	463918	15.0	y	n
						332782	10.8	y	n
	5	29:04	1.17	y	6.19	434190	12.8	y	n
						371730	12.2	y	n
	6	29:33	1.23	y	17.53	1260880	79.3	y	y
						1022100	68.8	y	y
1,2,3,4,7,8-HxCDF	7	29:35	1.15	y	36.20	2272120	127.4	y	y
						1978060	119.7	y	y
1,2,3,6,7,8-HxCDF	8	29:42	1.24	y	31.86	2517710	95.9	y	y
						2025240	83.1	y	y
	9	29:51	1.30	y	10.44	769211	25.3	y	y
						590648	23.2	y	y
	10	30:05	1.17	y	9.79	687064	23.1	y	n
						588029	19.4	y	n
	11	30:16	1.31	y	10.37	766146	28.6	y	y
						584498	26.1	y	y
2,3,4,6,7,8-HxCDF	12	30:19	1.25	y	5.61	408860	23.2	y	y
						326176	18.9	y	y
1,2,3,7,8,9-HxCDF	13	31:02	1.20	y	4.31	305095	15.5	y	y
						254743	13.5	y	y
	14	31:07	1.40	y	6.65	505448	19.4	y	y
						361063	15.1	y	y

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:7
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	9.24 of which	2.85 named and	6.39 unnamed
Conc:	18.48 of which	5.69 named and	12.79 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:58	1.92	n	1.03	73429	3.8	y	n
						38283	2.2	n	n
	2	29:37	1.73	n	6.64	425598	15.9	y	n
						246233	9.3	y	n
	3	29:53	0.96	n	3.65	167926	10.7	y	n
						175061	9.3	y	n
	4	30:19	1.43	n	1.47	77745	4.6	y	n
						54359	2.9	n	n
1,2,3,4,7,8-HxCDD	5	30:28	1.44	n	1.14	56883	3.7	y	n
						39444	2.4	n	n
1,2,3,6,7,8-HxCDD	6	30:34	1.90	n	1.85	123231	8.3	y	n
						64930	4.1	y	n
1,2,3,7,8,9-HxCDD	7	30:51	1.38	y	2.70	146262	9.5	y	n
						105803	4.2	y	n

Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:6
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	127.90 of which	89.42 named and	38.47 unnamed
Conc:	255.79 of which	178.85 named and	76.94 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:28	1.15	y	138.16	7577330	262.1	y	n
						6616980	291.3	y	n
	2	32:40	0.99	y	26.87	1286420	41.9	y	n
						1305520	53.3	y	n
	3	32:48	1.07	y	45.72	2281660	74.7	y	n
						2127830	81.6	y	n
	4	33:22	0.79	n	2.37	116310	4.0	y	n

						146643	5.9	y	n
1,2,3,4,7,8,9-HpCDF	5	33:40	1.05	y	40.69	1875850	56.7	y	n
						1792830	64.2	y	n
	6	34:52	1.29	n	1.99	121153	3.1	y	n
						94032	4.3	y	n

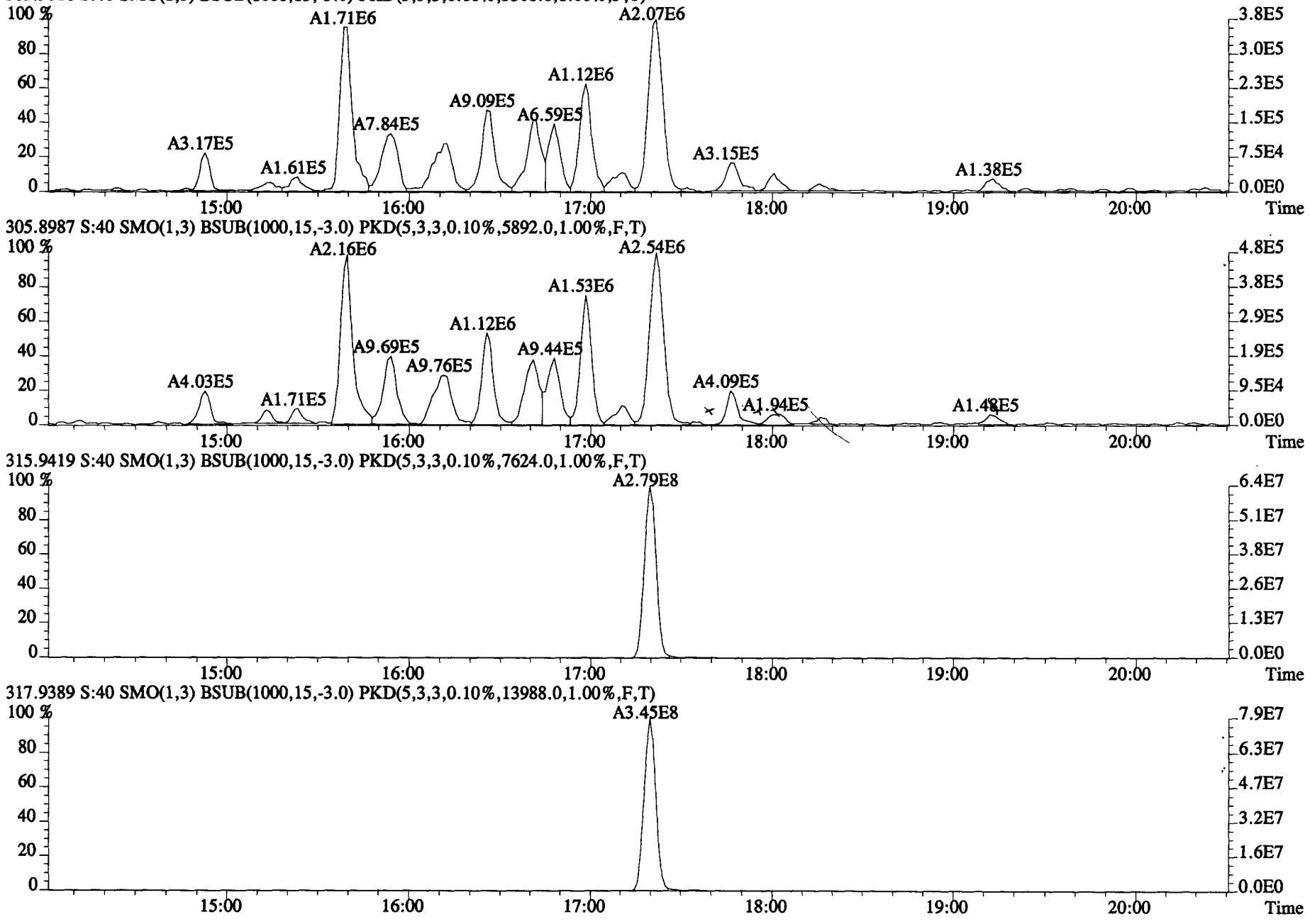
Run Text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:6
Run: 14 File: 22SE10B1D5 S:40 Acq:24-SEP-10 03:34:23
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

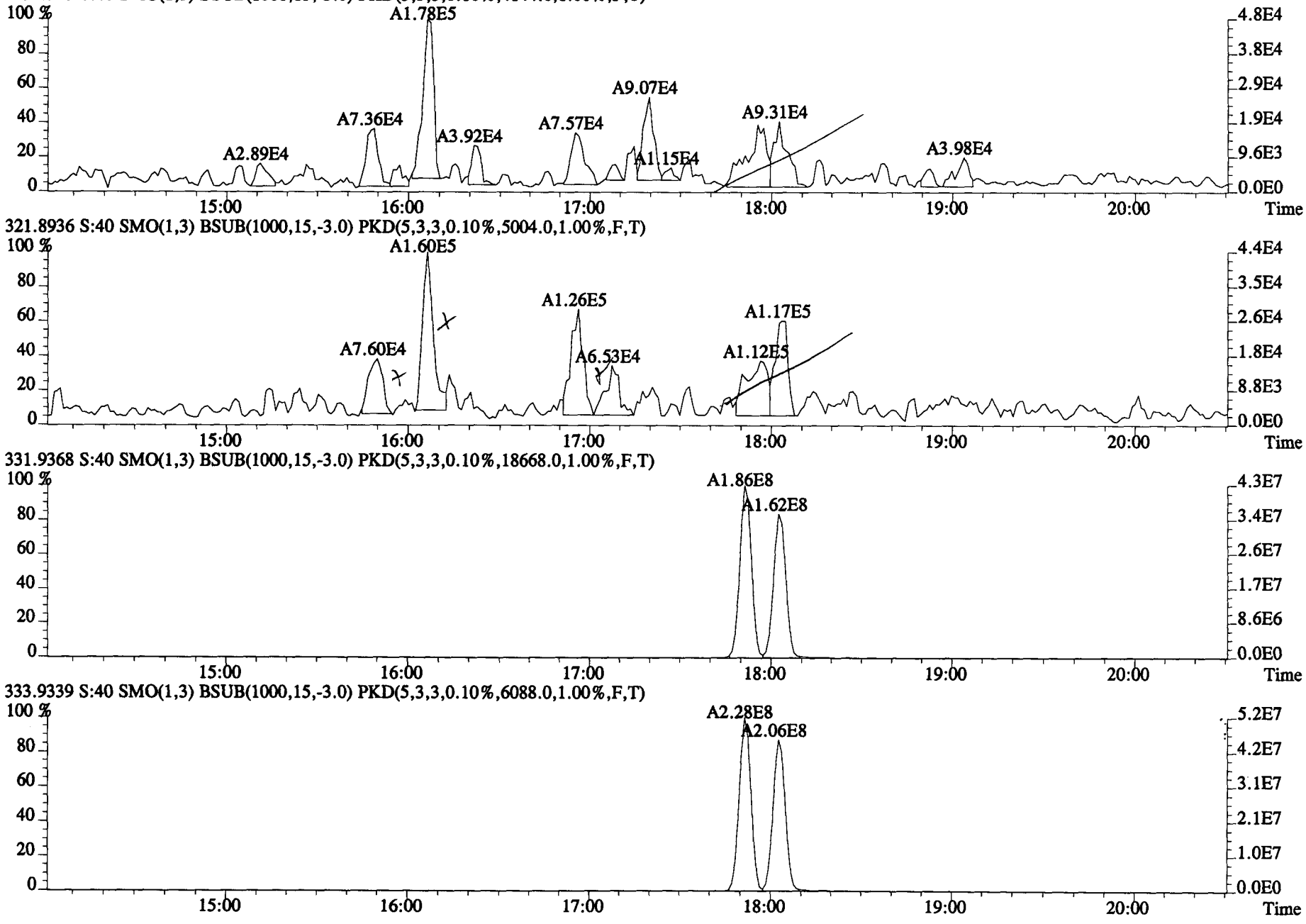
Amount:	14.01	of which	7.27	named and	6.74	unnamed			
Conc:	28.02	of which	14.54	named and	13.48	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:27	2.71	n	1.54	124784	10.7	y	n
						46075	2.7	n	n
	2	32:44	1.02	y	6.86	211909	18.9	y	n
						207945	13.2	y	n
1,2,3,4,6,7,8-HpCDD	3	33:21	0.96	y	14.54	437053	34.2	y	n
						453403	23.6	y	n
	4	33:31	0.63	n	0.63	19641	2.0	n	n
						31366	2.1	n	n
	5	33:38	1.76	n	1.90	100776	8.4	y	n
						57178	2.5	n	n
	6	34:52	1.23	n	2.55	94432	8.1	y	n
						76662	5.8	y	n

File:22SE10B1D5 #1-382 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES



File:22SE10B1D5 #1-382 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES



File:22SE10B1D5 #1-382 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES

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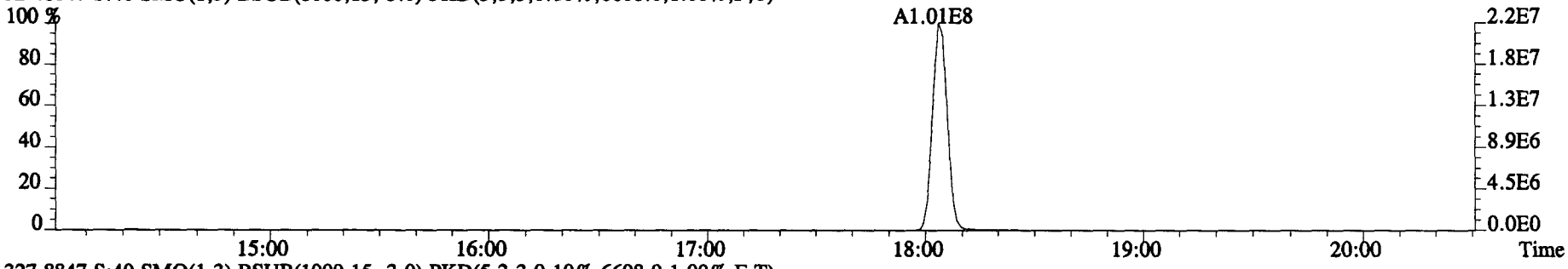
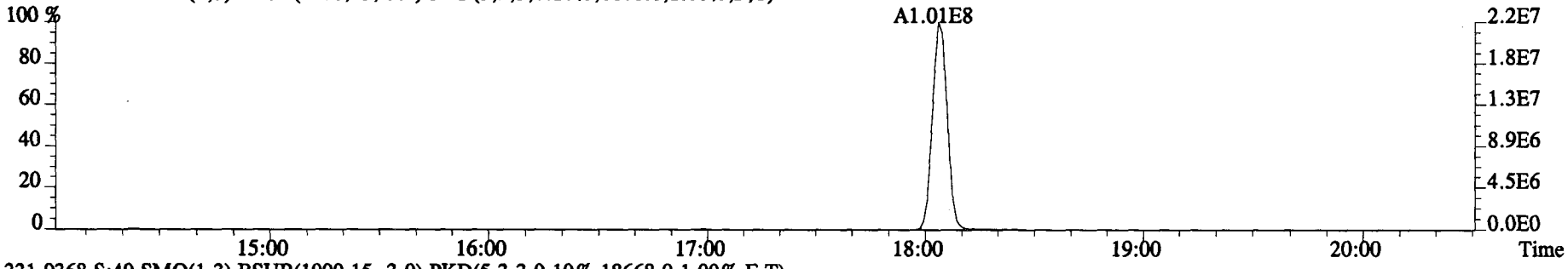
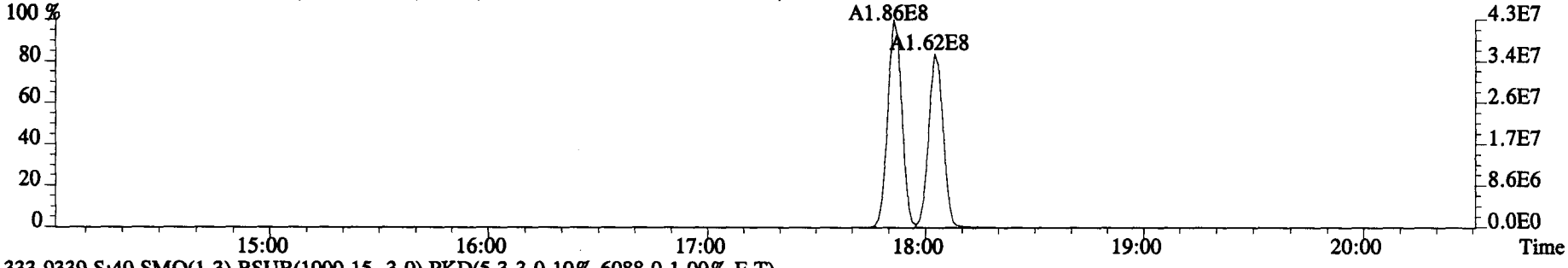


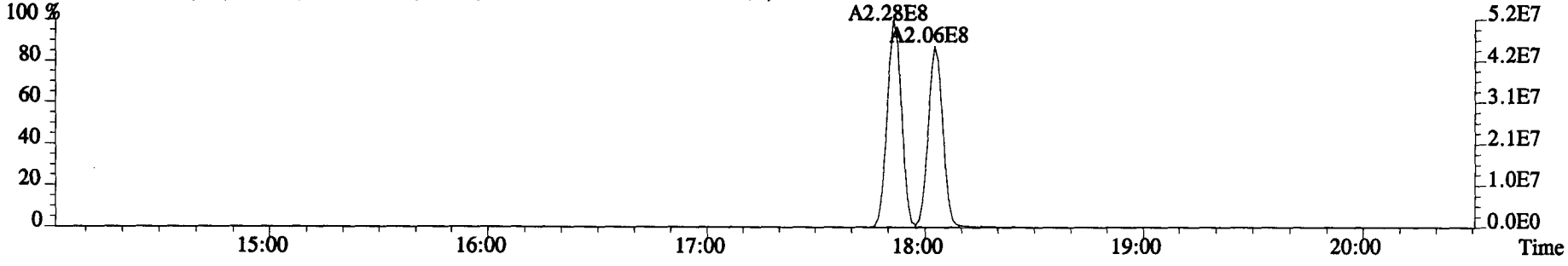
327.8847 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6608.0,1.00%,F,T)



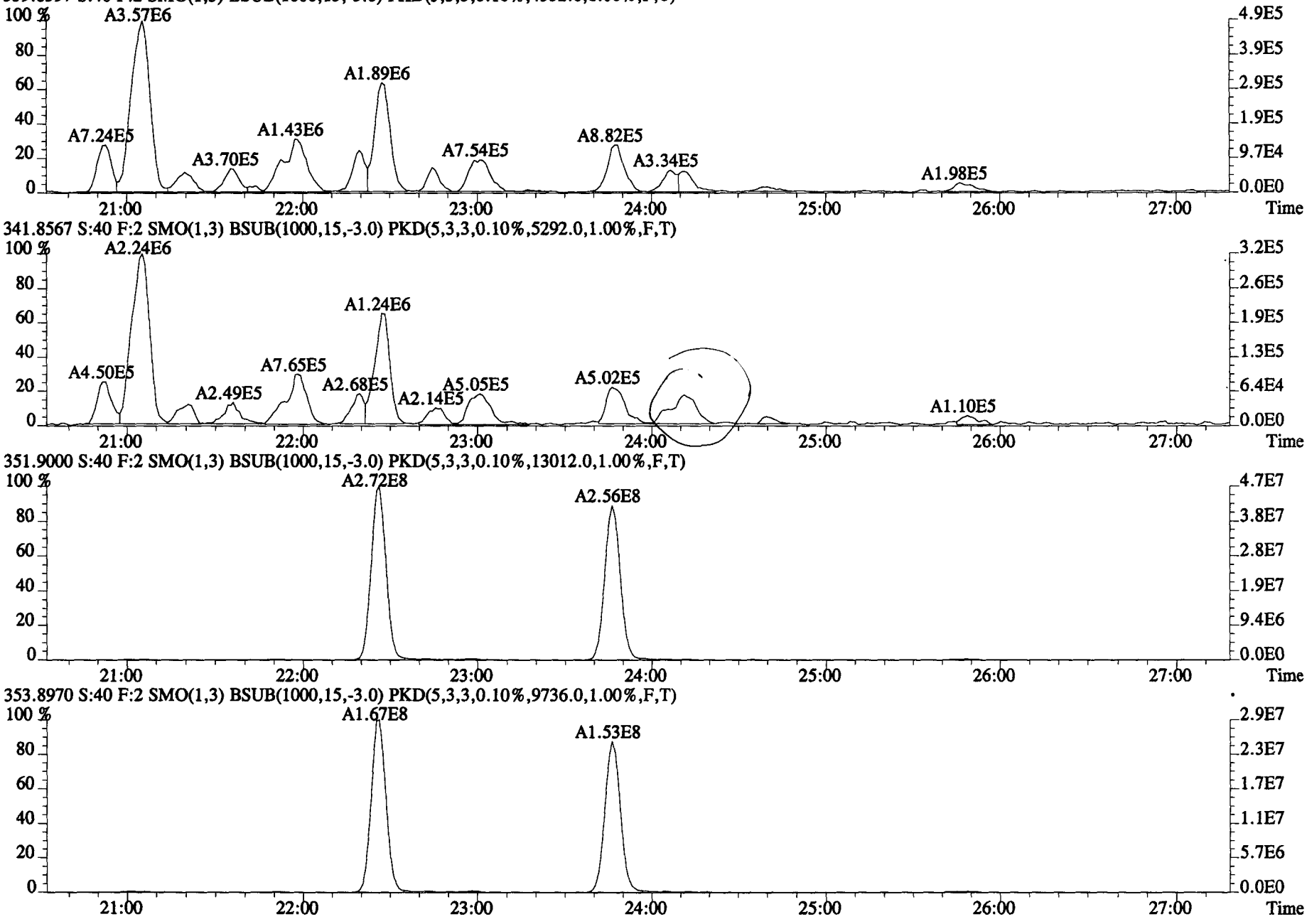
331.9368 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18668.0,1.00%,F,T)



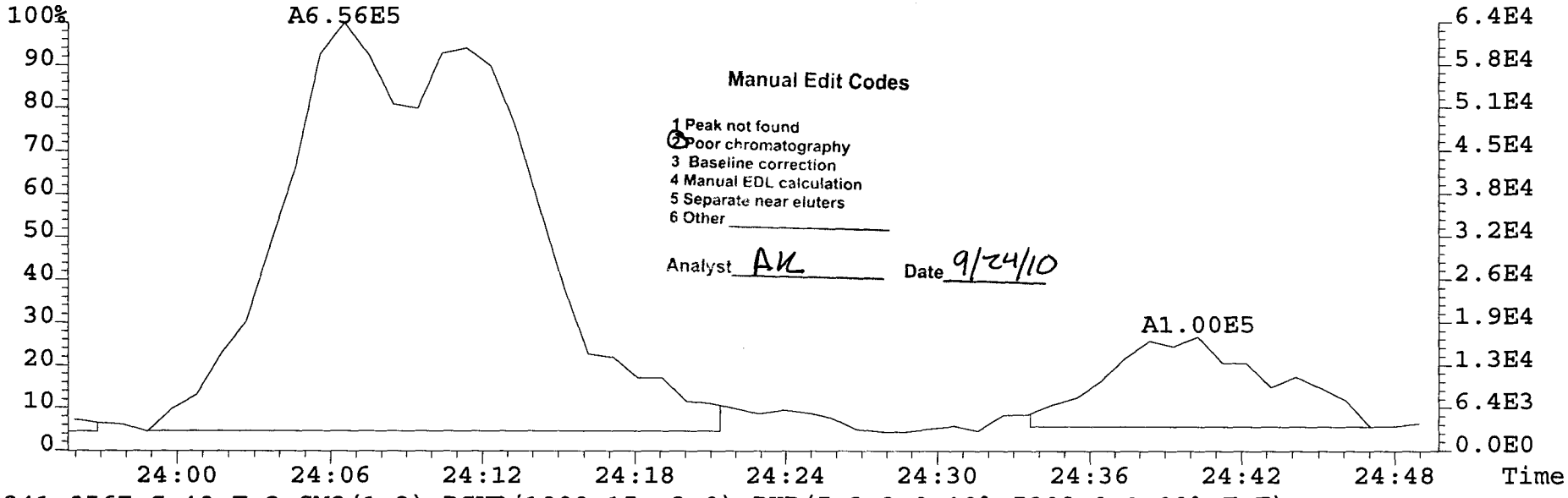
333.9339 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6088.0,1.00%,F,T)



File:22SE10B1D5 #1-422 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES



File:22SE10B1D5 #1-422 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
339.8597 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4552.0,1.00%,F,T)

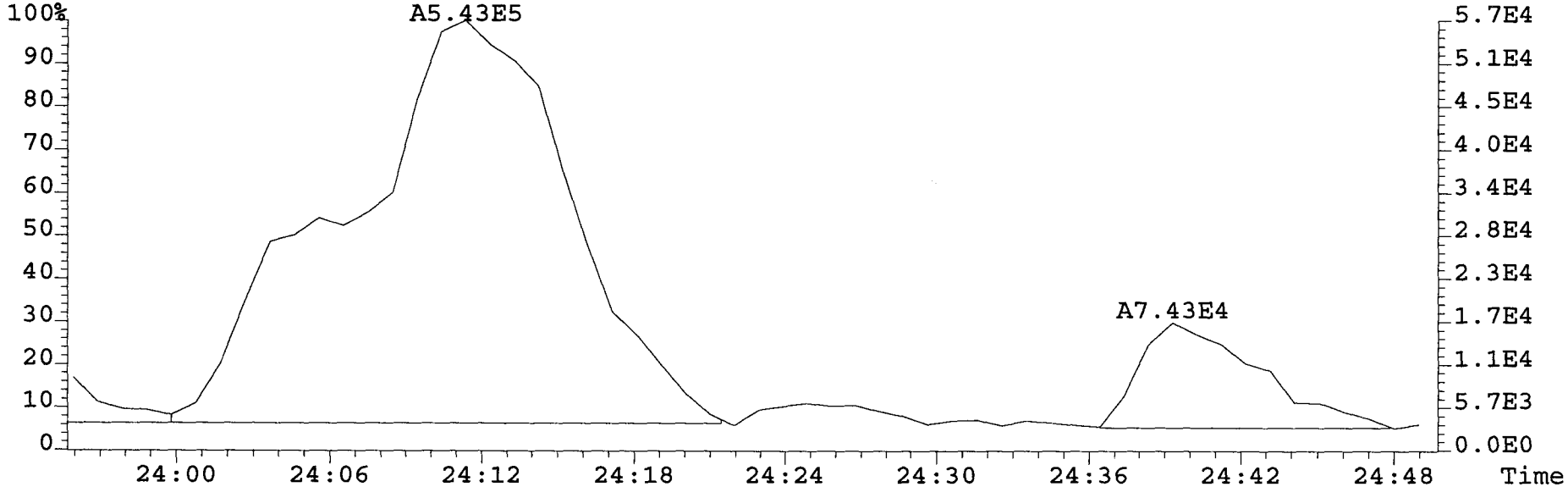


Manual Edit Codes

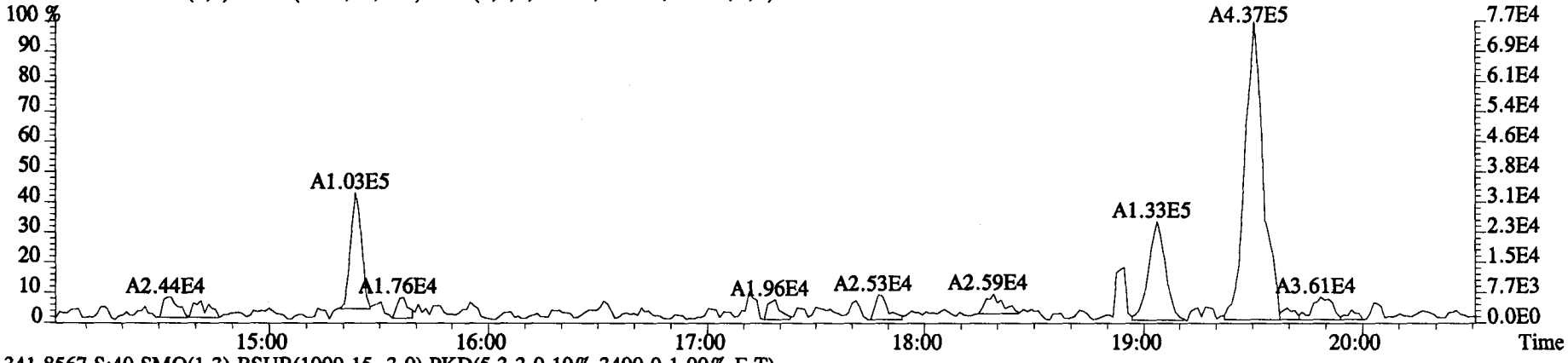
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst AK Date 9/24/10

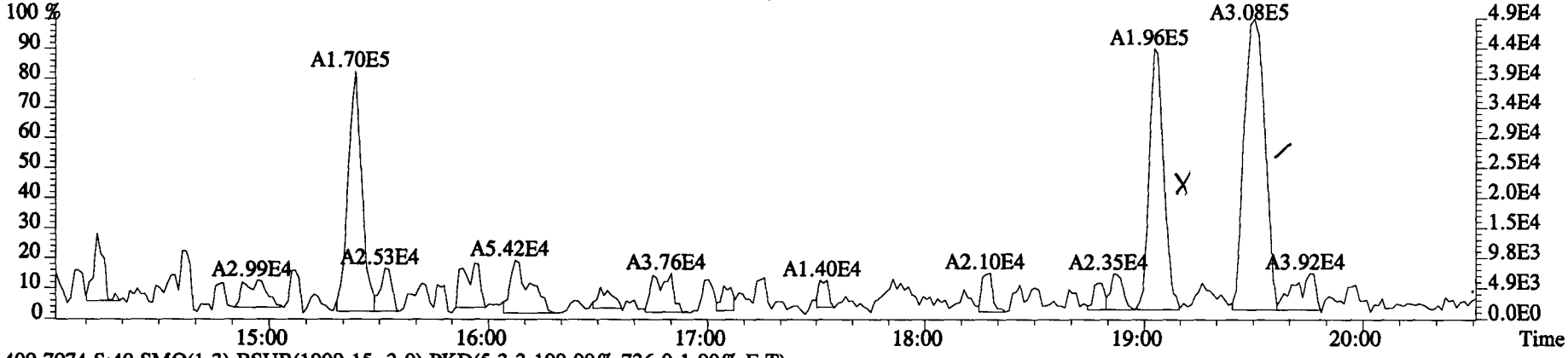
341.8567 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292.0,1.00%,F,T)



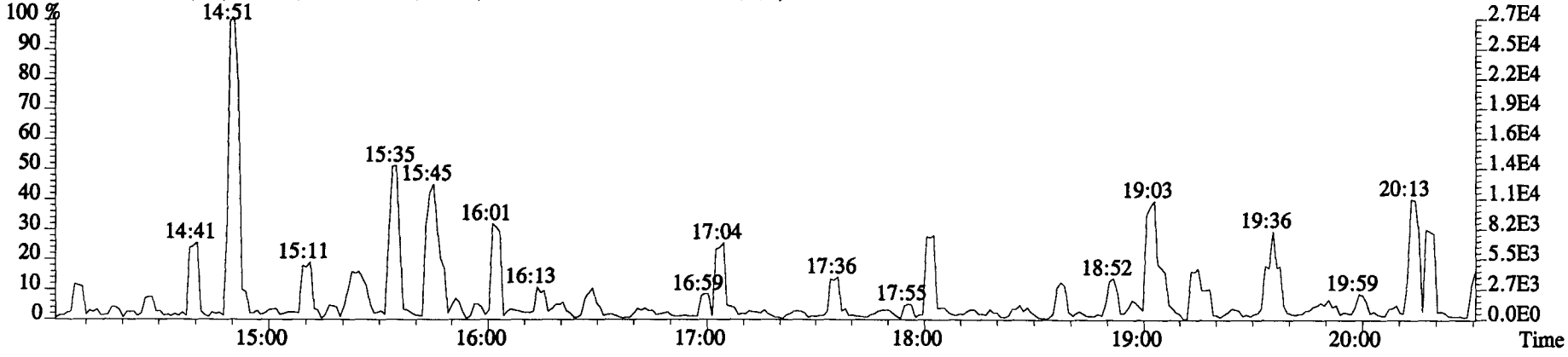
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
339.8597 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2784.0,1.00%,F,T)



341.8567 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3400.0,1.00%,F,T)

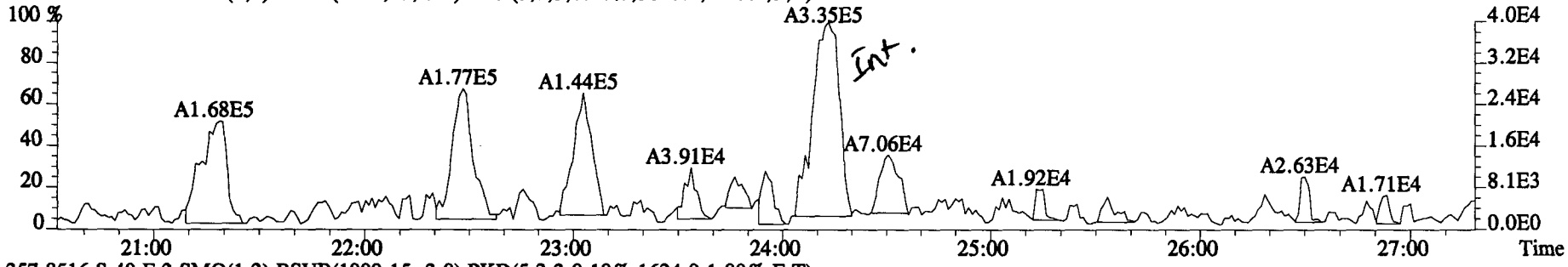


409.7974 S:40 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,736.0,1.00%,F,T)

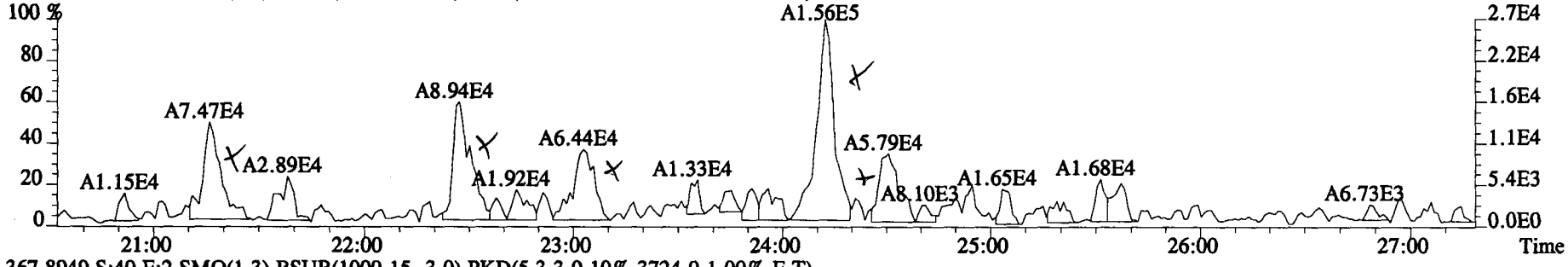


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES

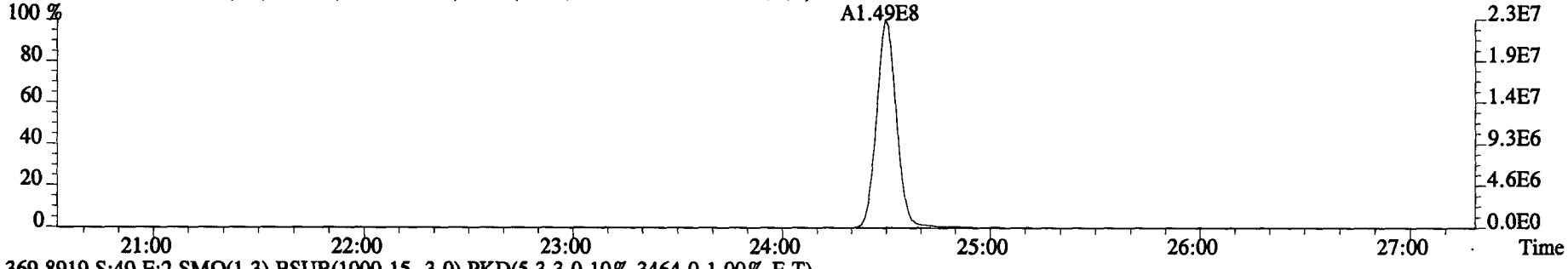
355.8546 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3848.0,1.00%,F,T)



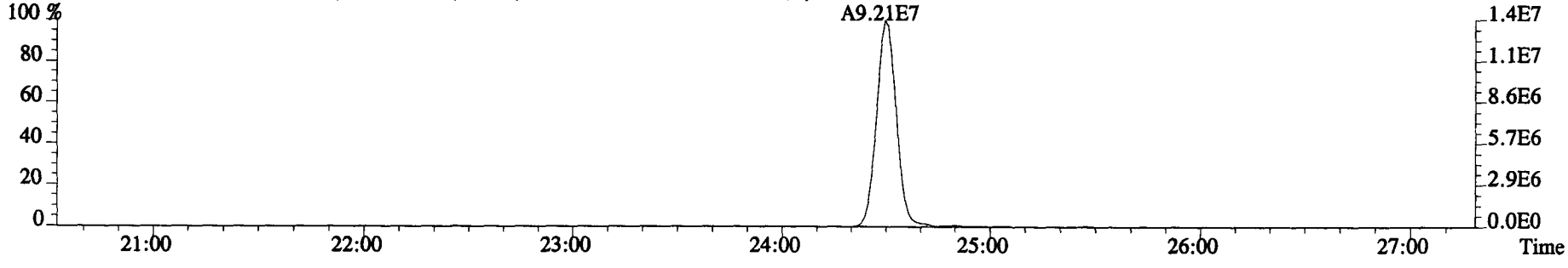
357.8516 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1624.0,1.00%,F,T)



367.8949 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3724.0,1.00%,F,T)

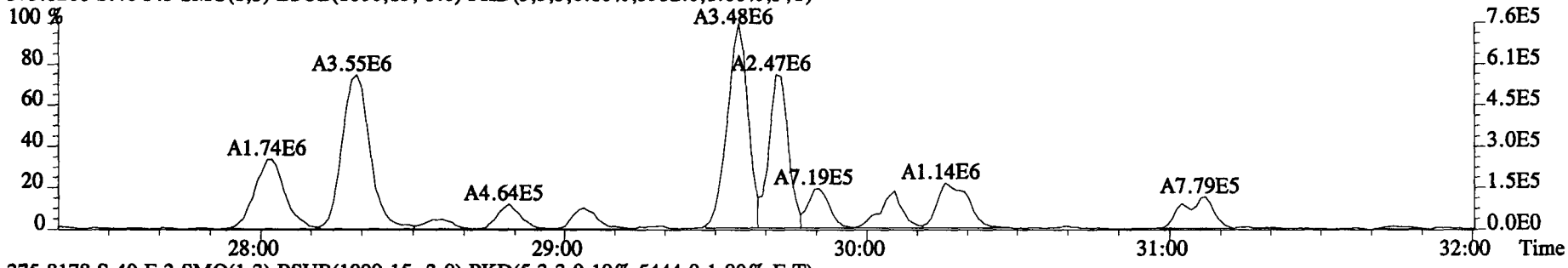


369.8919 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3464.0,1.00%,F,T)

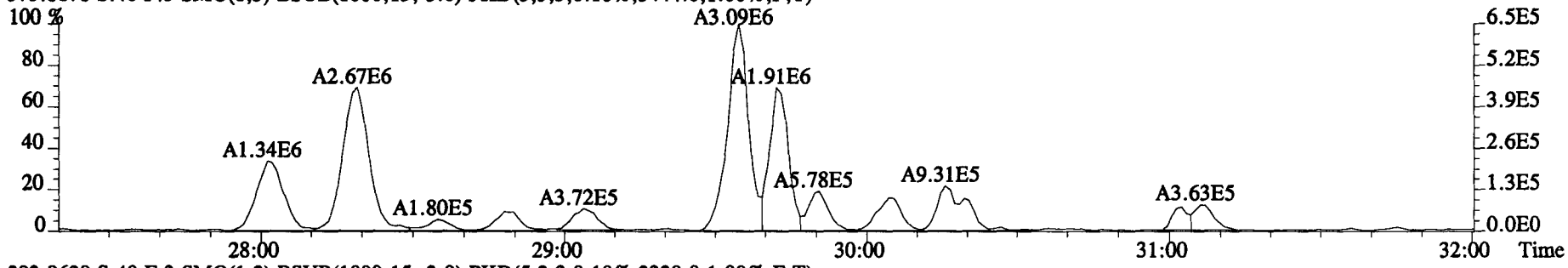


File:22SE10B1D5 #1-301 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES

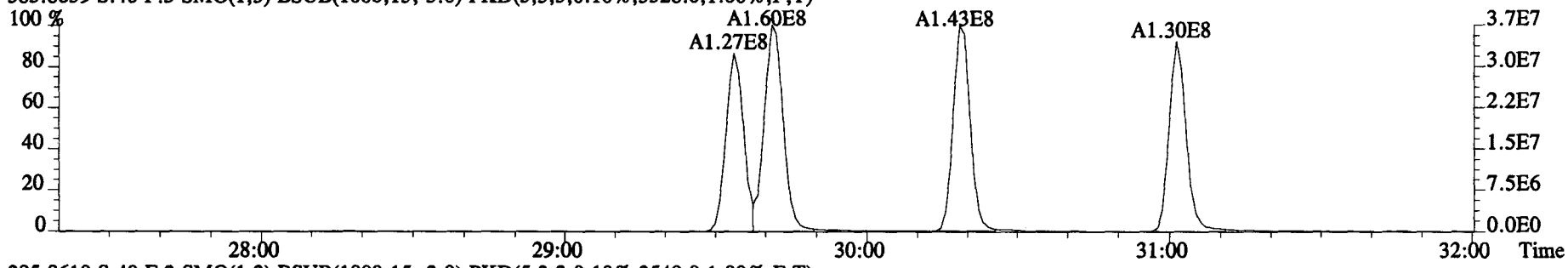
373.8208 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5952.0,1.00%,F,T)



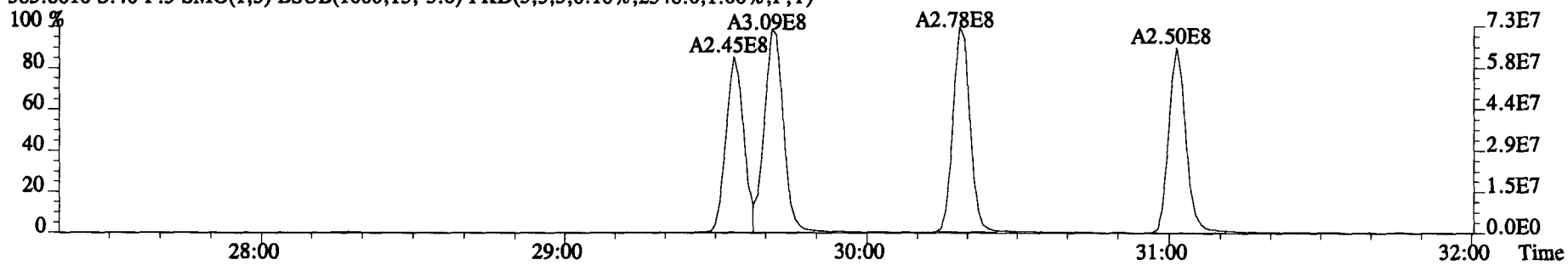
375.8178 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5444.0,1.00%,F,T)



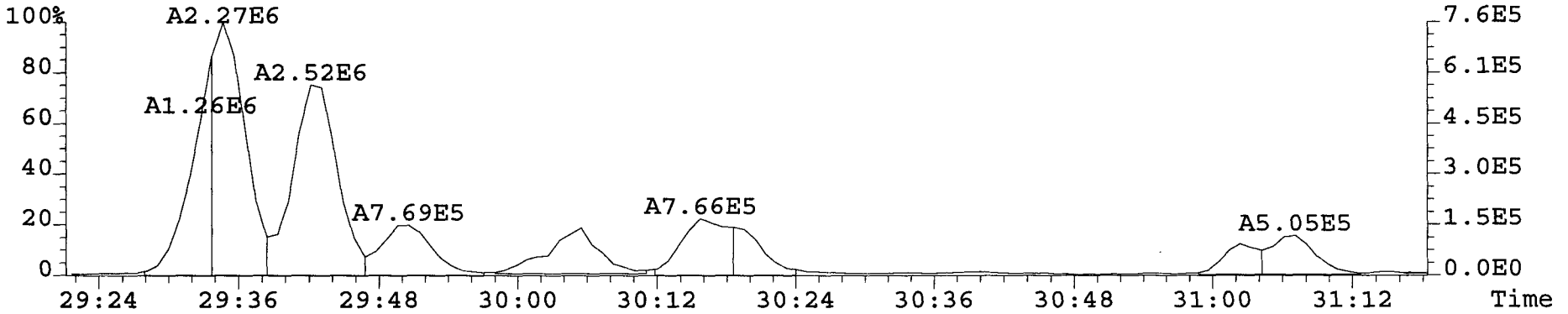
383.8639 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3328.0,1.00%,F,T)



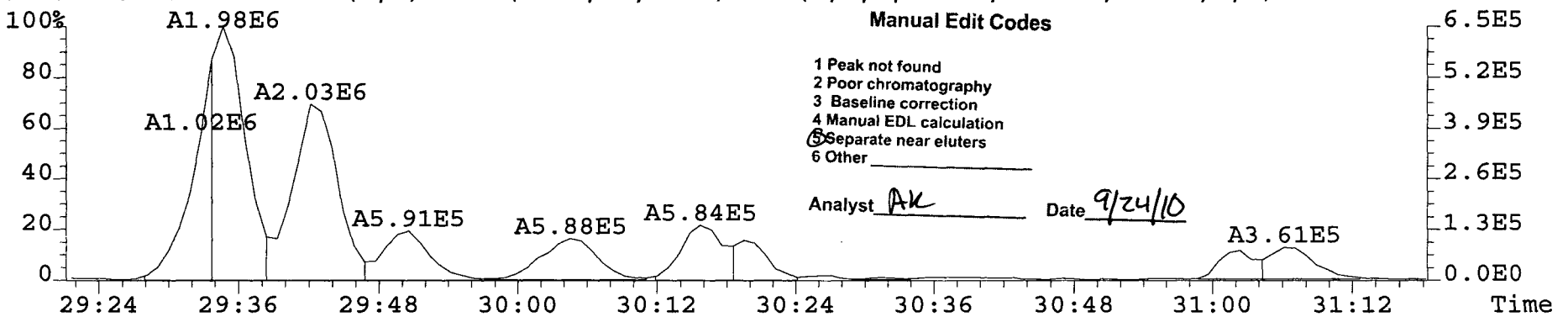
385.8610 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2548.0,1.00%,F,T)



File:22SE10B1D5 #1-301 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
373.8208 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5952.0,1.00%,F,T)



375.8178 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5444.0,1.00%,F,T)

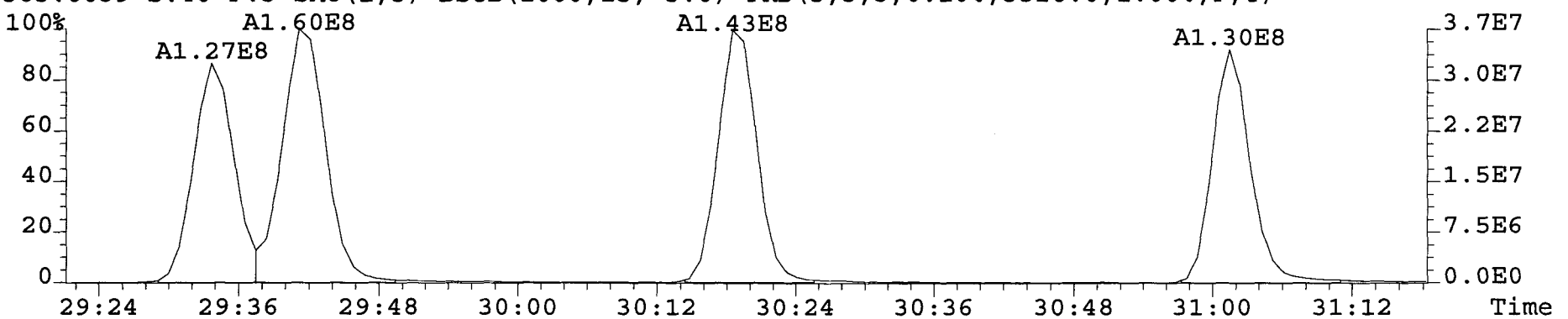


Manual Edit Codes

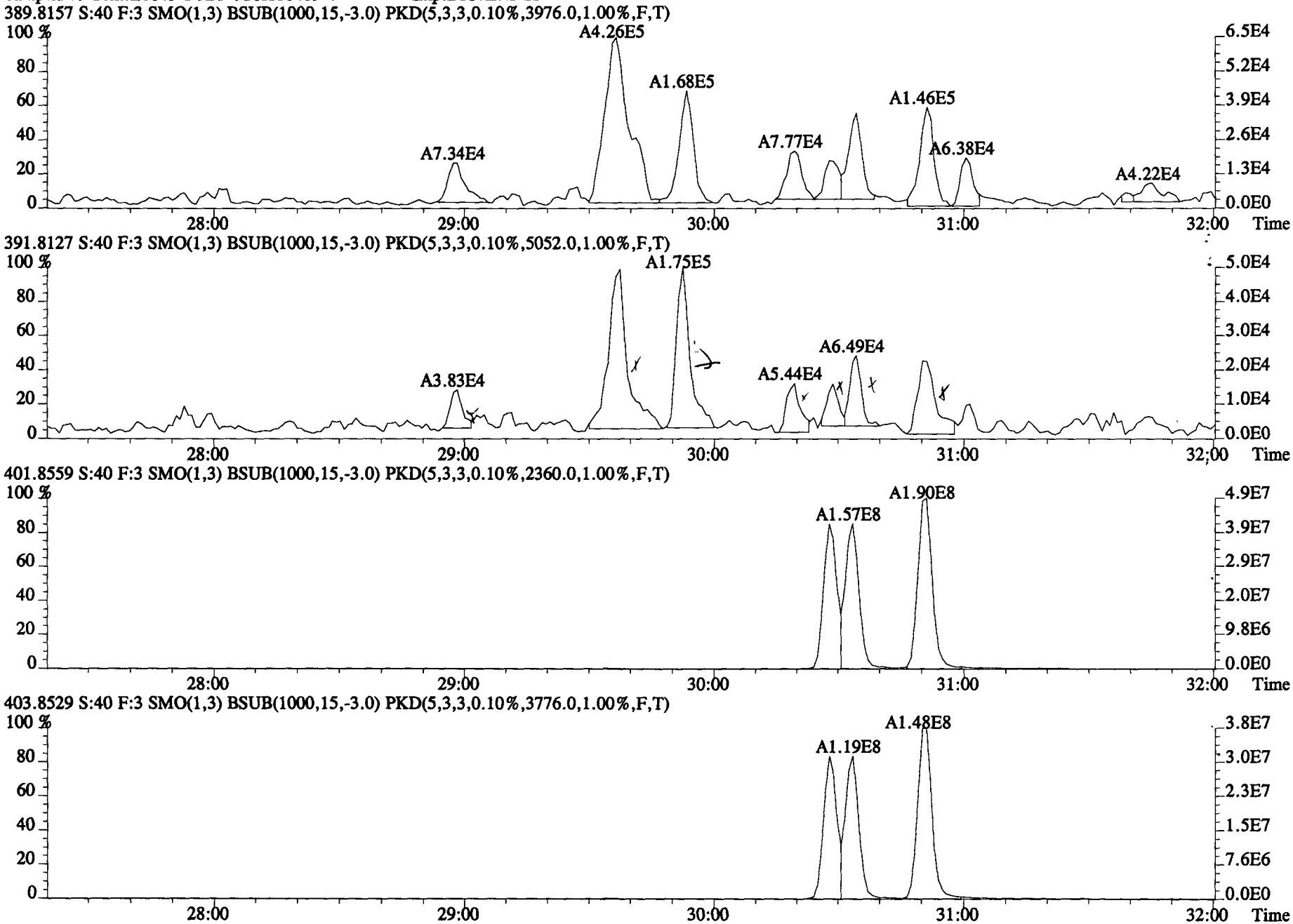
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst AK Date 9/24/10

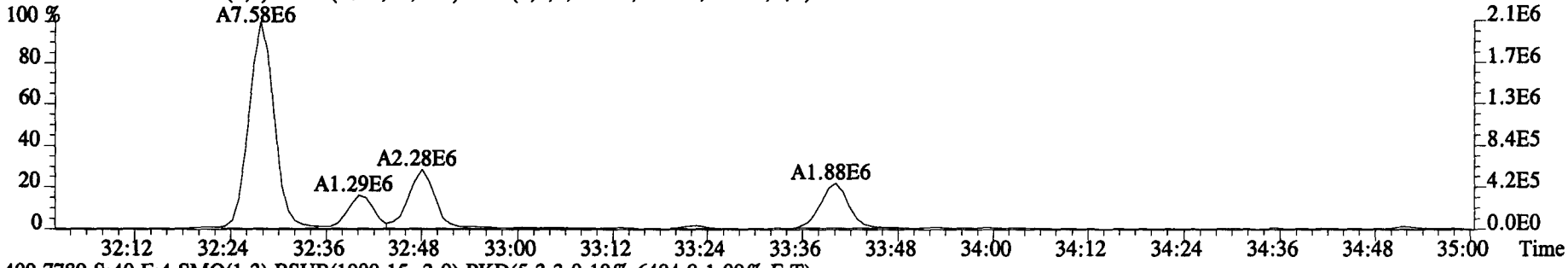
383.8639 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3328.0,1.00%,F,T)



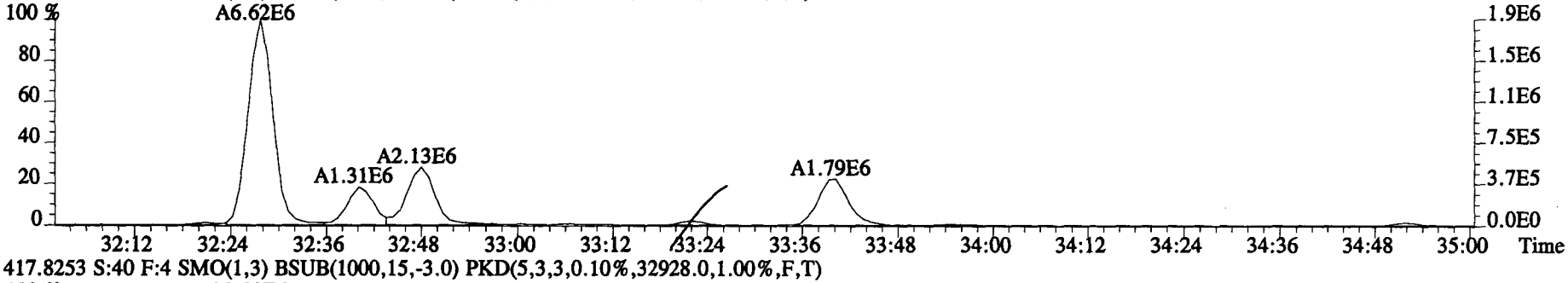
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES



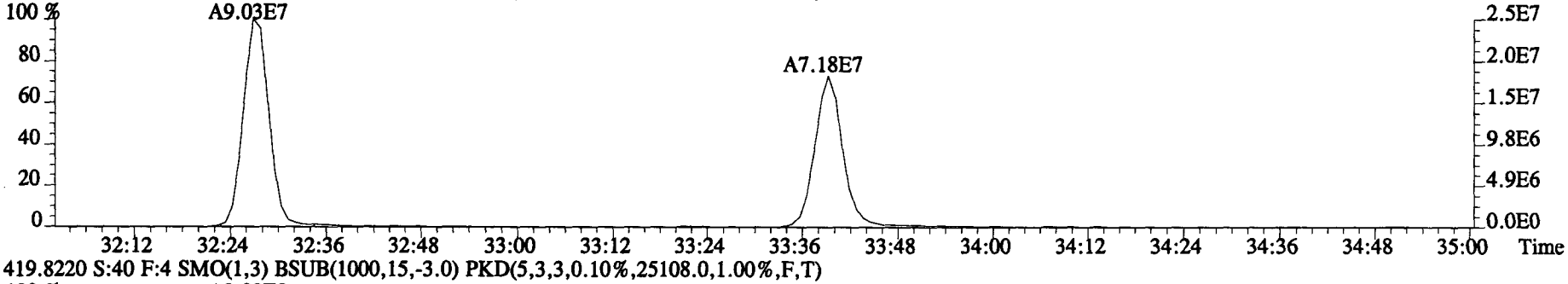
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
407.7818 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8008.0,1.00%,F,T)



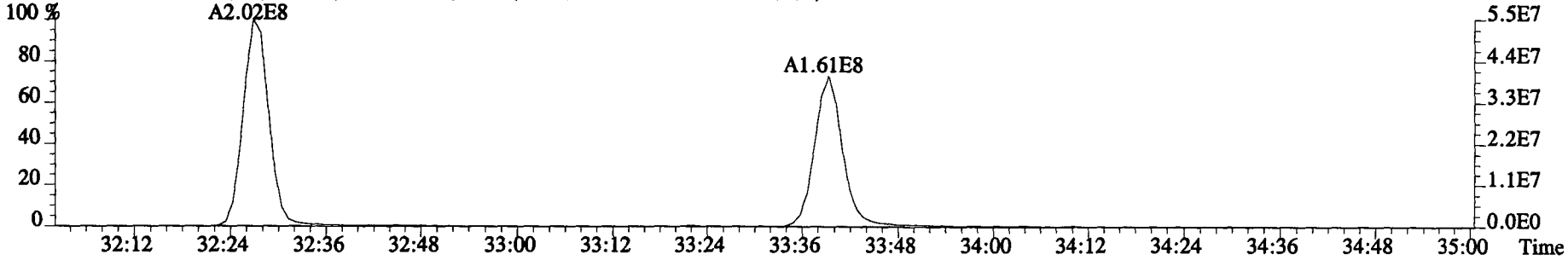
409.7789 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6404.0,1.00%,F,T)



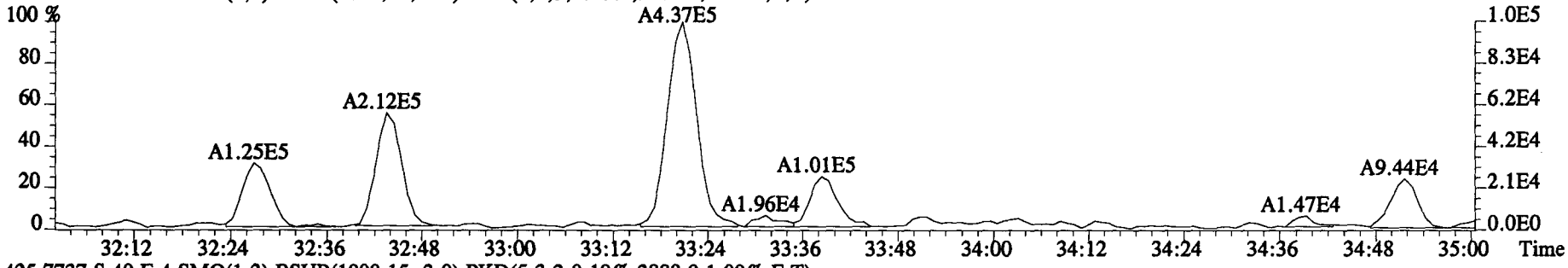
417.8253 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32928.0,1.00%,F,T)



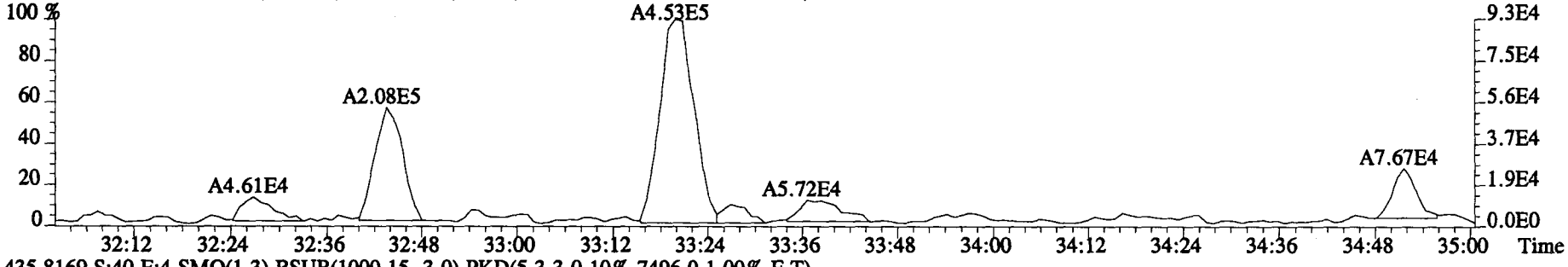
419.8220 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25108.0,1.00%,F,T)



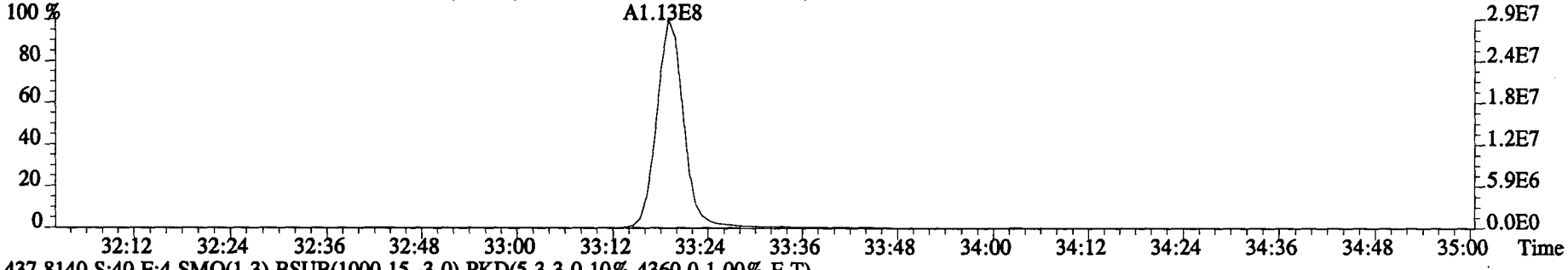
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
423.7766 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2988.0,1.00%,F,T)



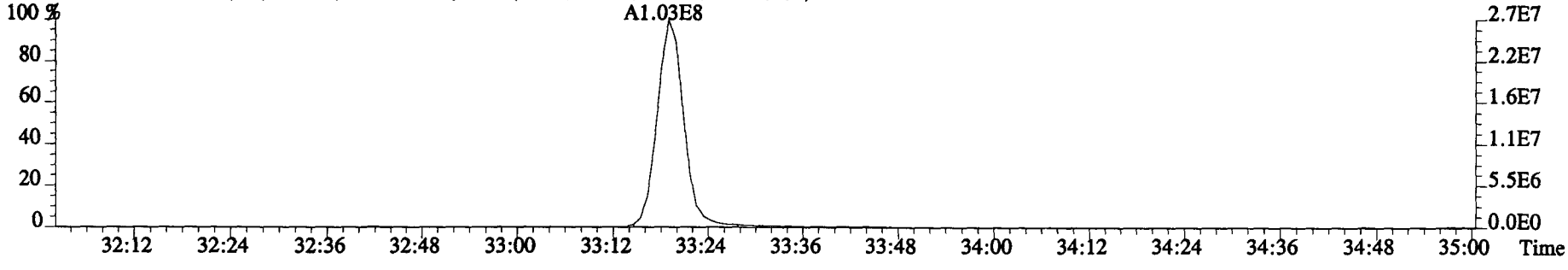
425.7737 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3888.0,1.00%,F,T)



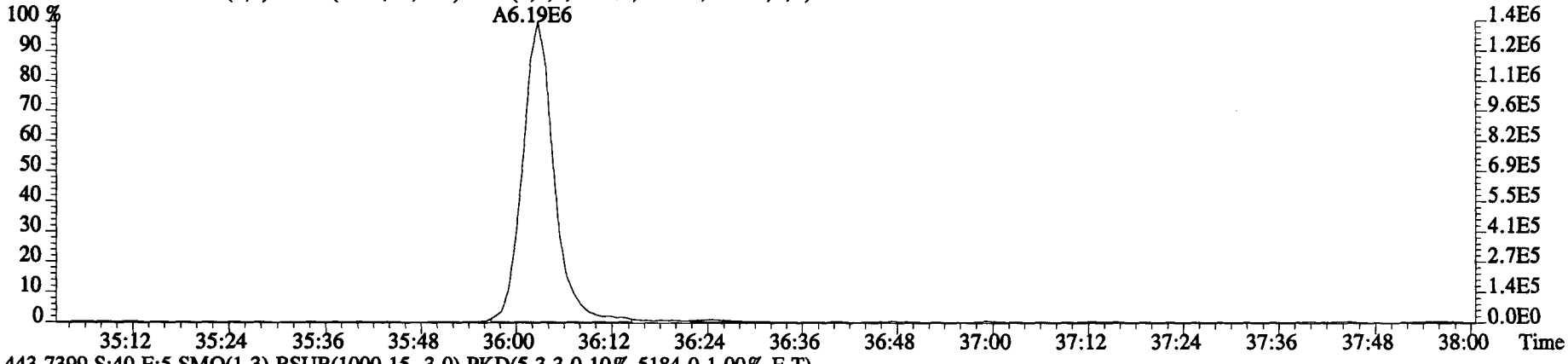
435.8169 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7496.0,1.00%,F,T)



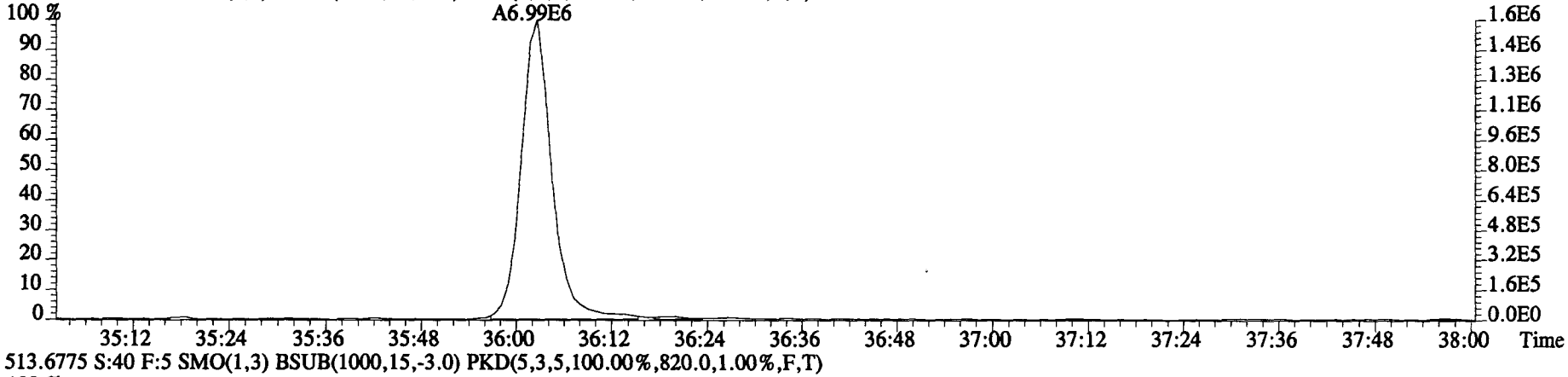
437.8140 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4360.0,1.00%,F,T)



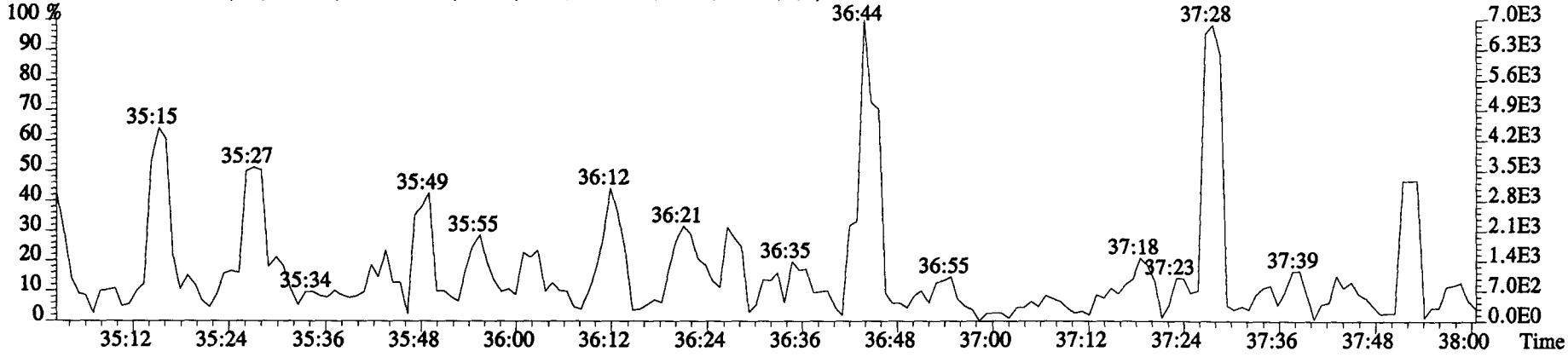
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
441.7428 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2868.0,1.00%,F,T)



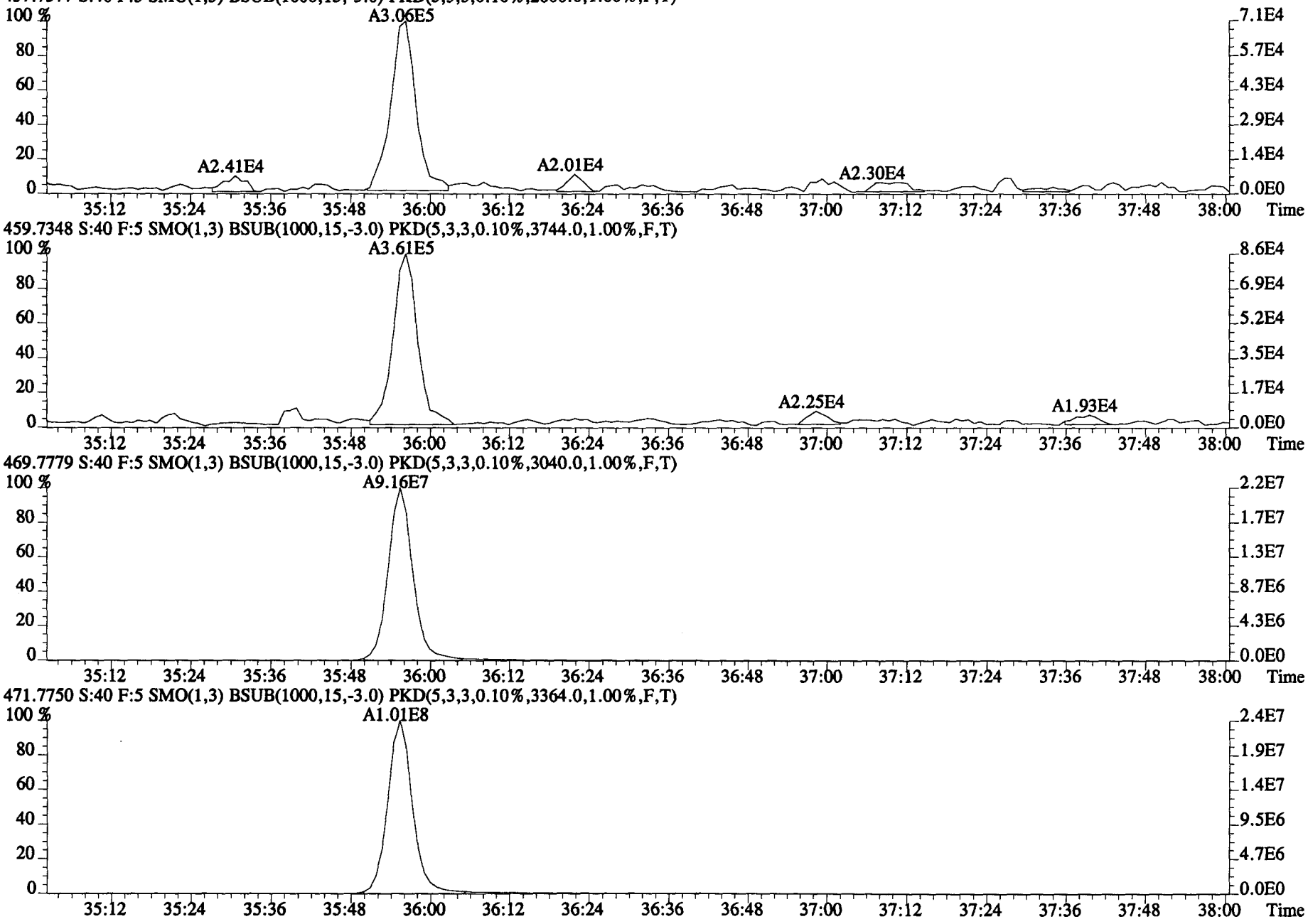
443.7399 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5184.0,1.00%,F,T)

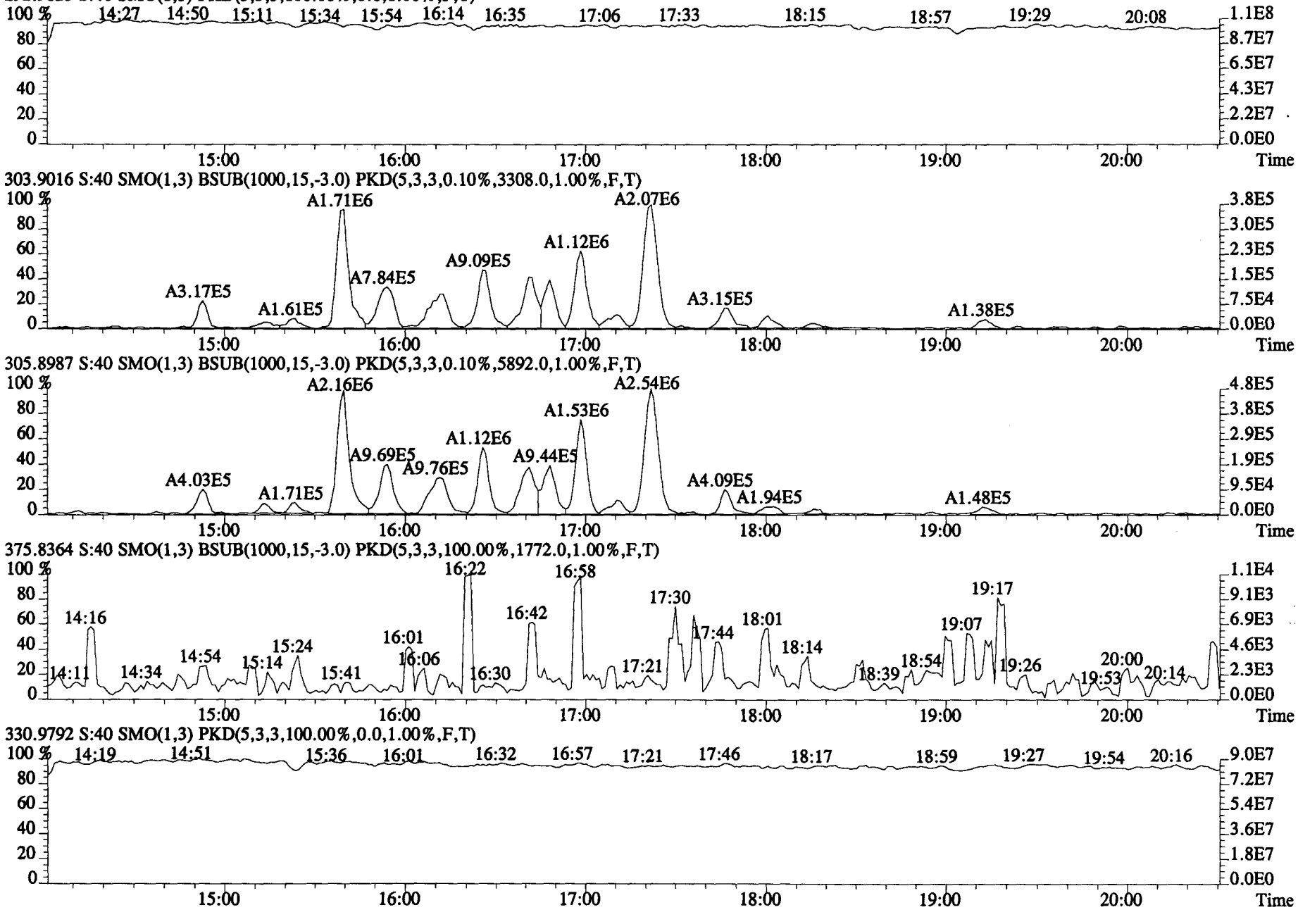


513.6775 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,820.0,1.00%,F,T)

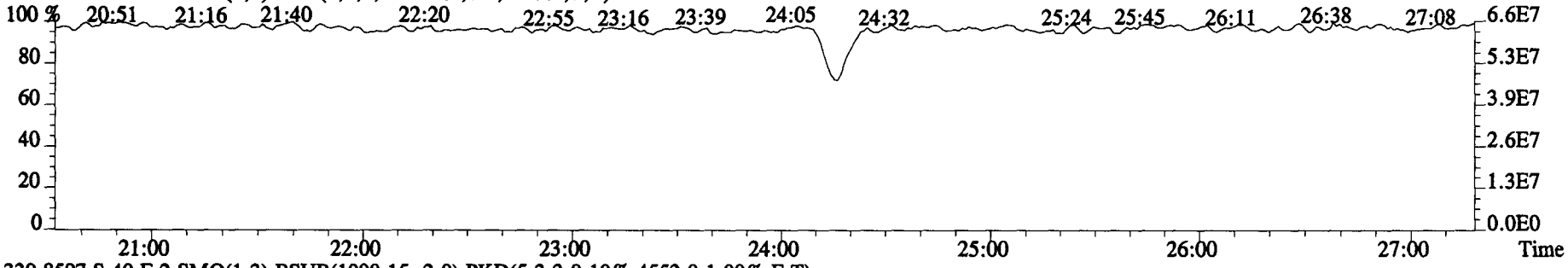


File:22SE10B1D5 #1-196 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES

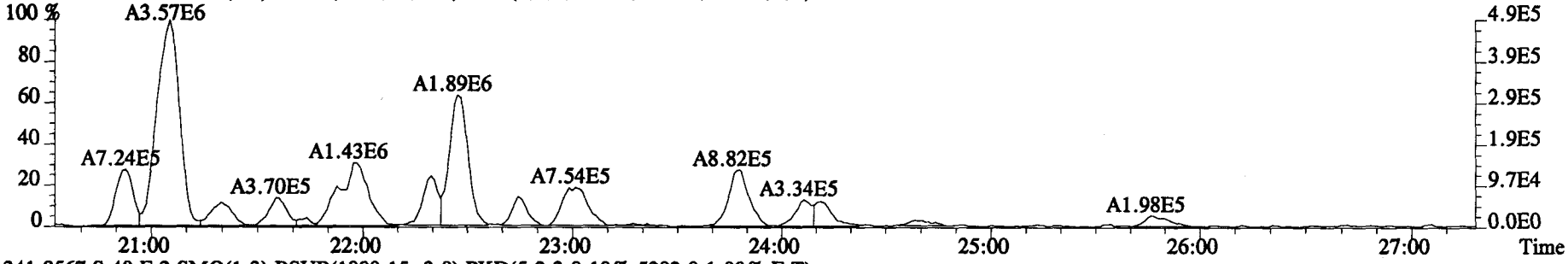




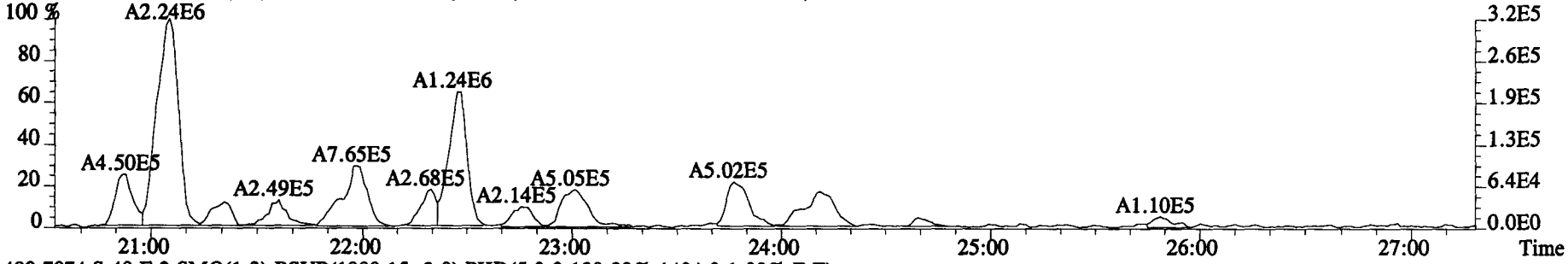
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
342.9792 S:40 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



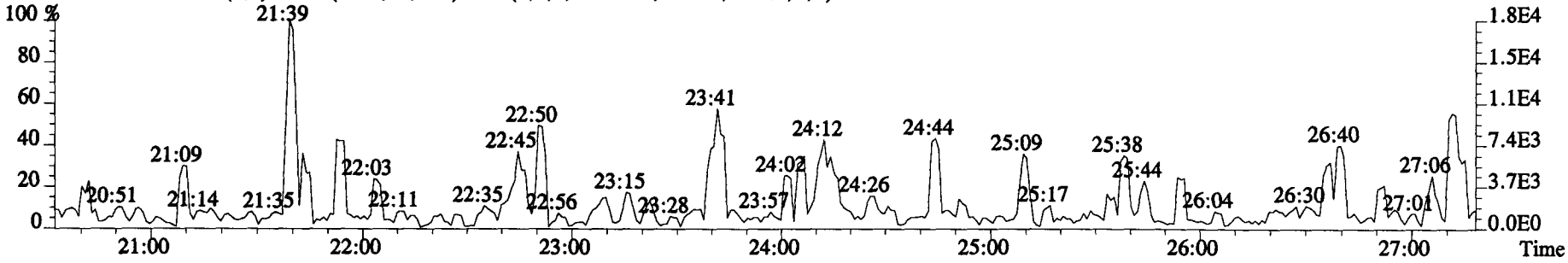
339.8597 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4552.0,1.00%,F,T)



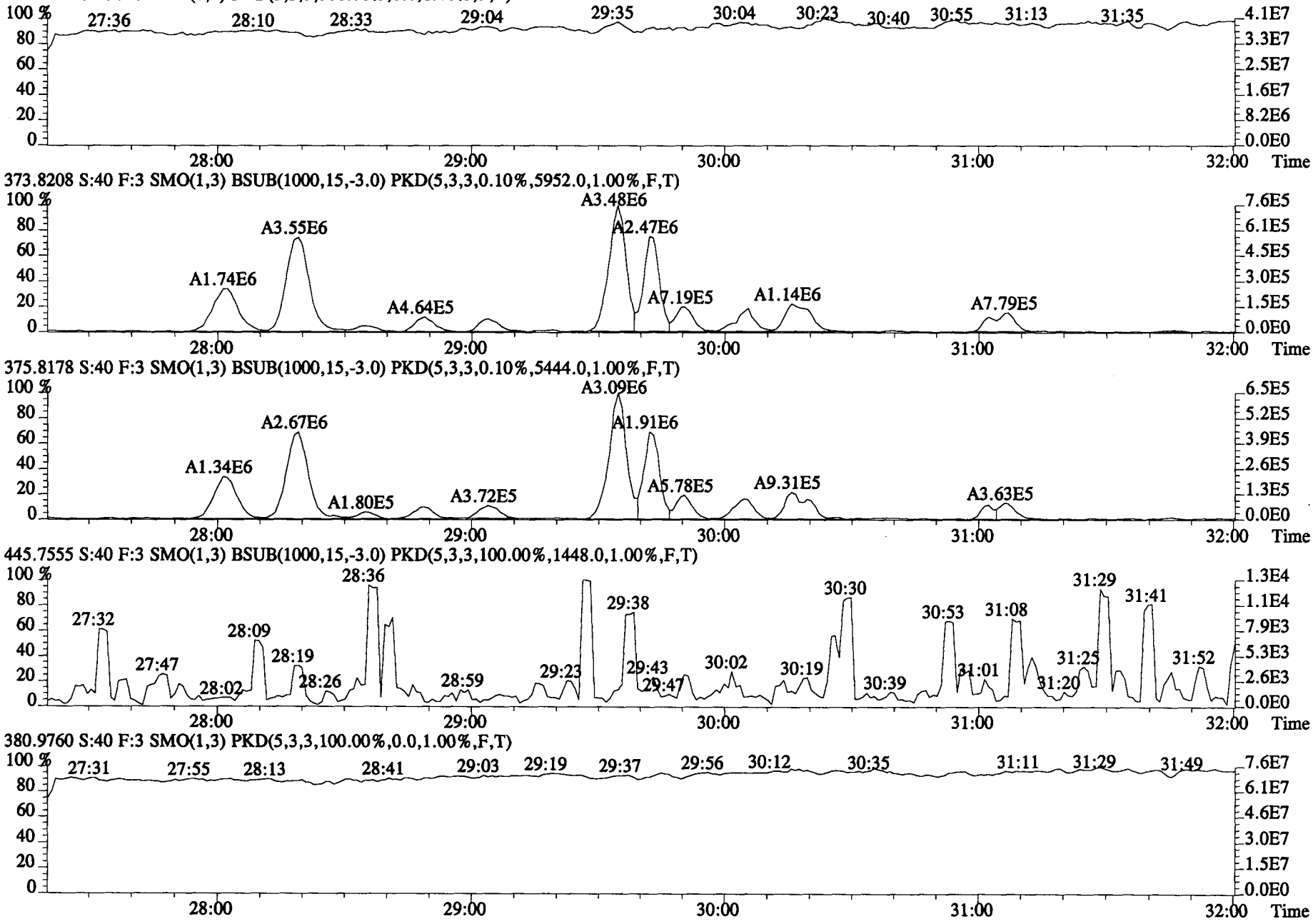
341.8567 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292.0,1.00%,F,T)



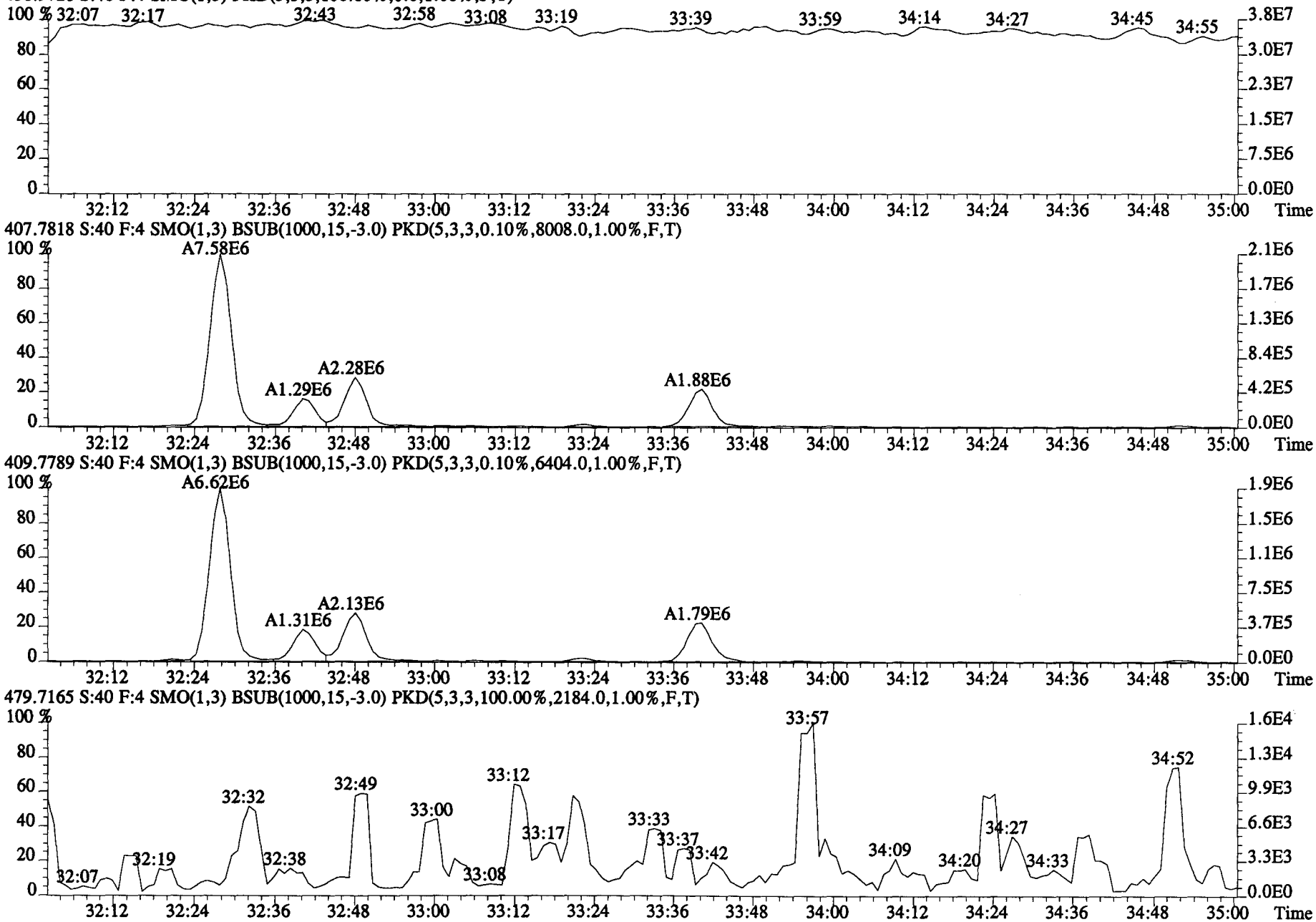
409.7974 S:40 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1404.0,1.00%,F,T)



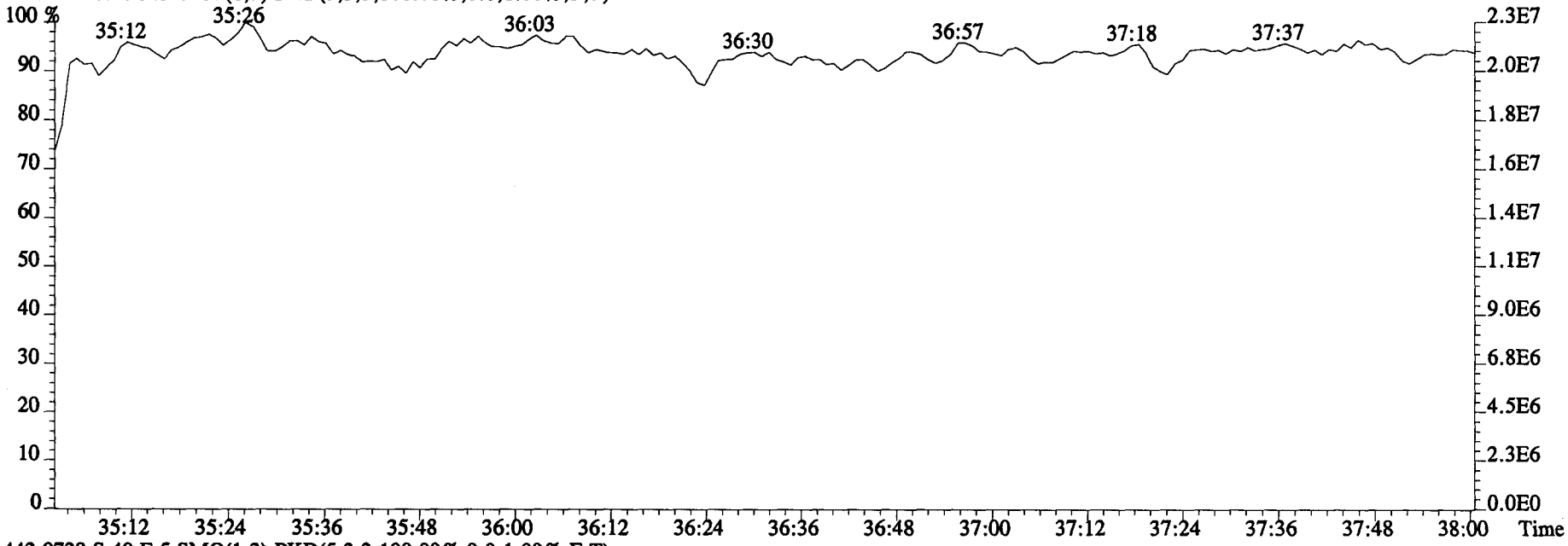
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES



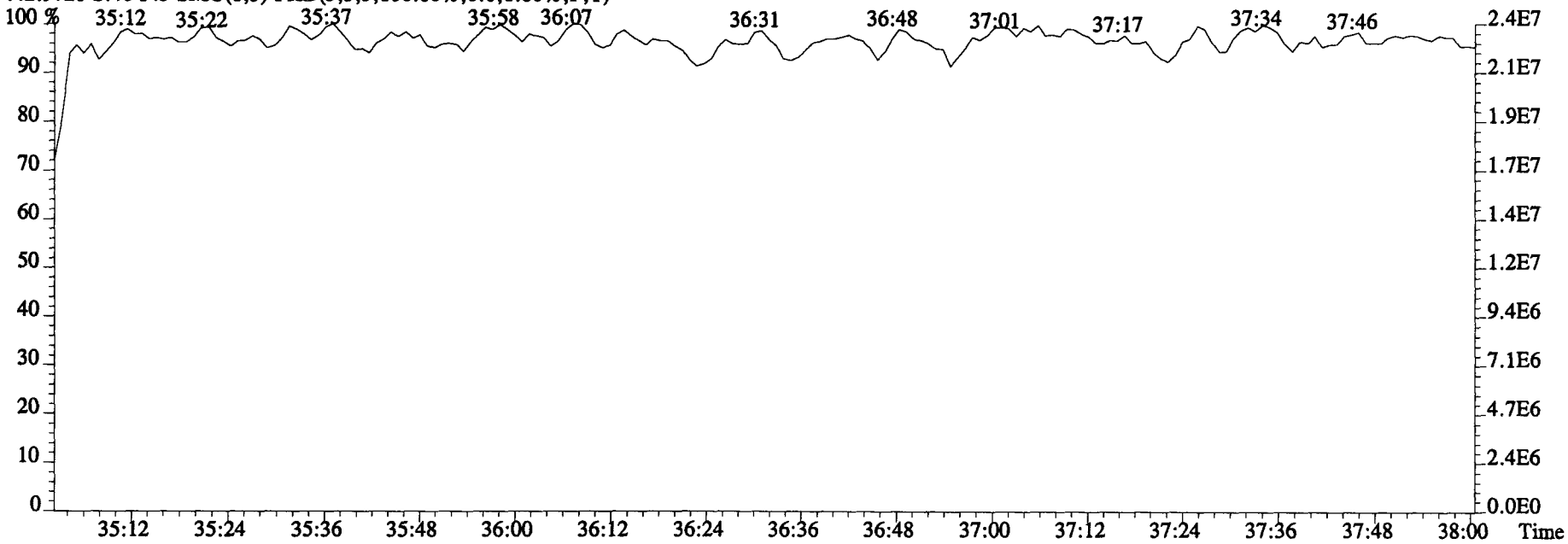
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 03:34:23 GC EI+ Voltage SIR 70SE
Sample#40 Text:L6645-1-AA :G0I180489-4 Exp:DIOXINRES
454.9728 S:40 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:40 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

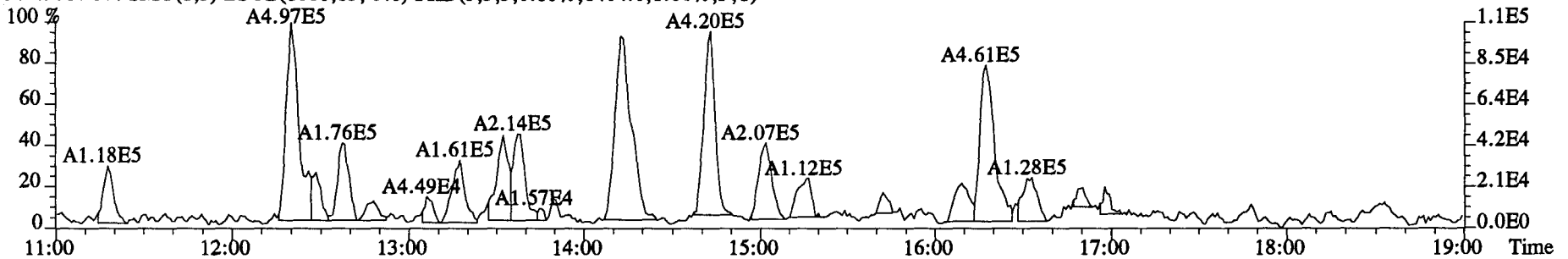


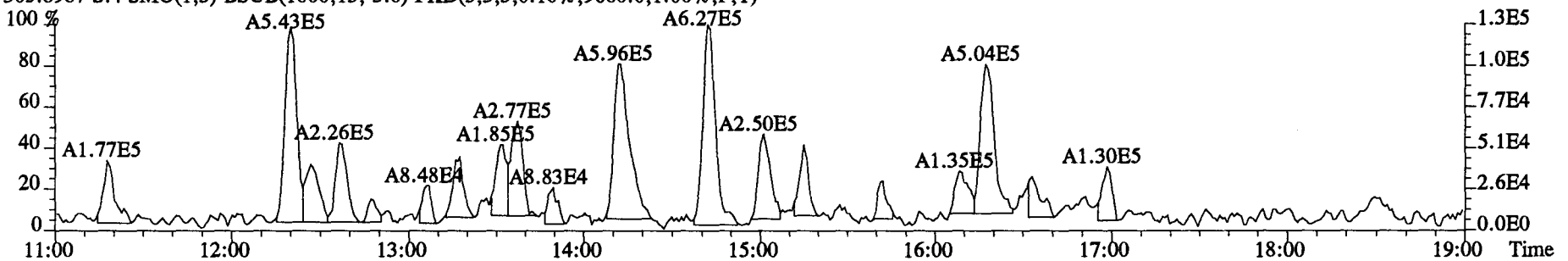
Run text: L6645-1-AA Sample text: L6645-1-AA :G0I180489-4
Run #8 Filename: 24SE105D2 S: 4 I: 1 Results: 24SE105D2DB225AIR
Acquired: 24-SEP-10 11:05:44 Processed: 24-SEP-10 12:32:44
Run: 24SE105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Factor 1:4000.000 Factor 2:20.000 Sample size: 0.50 SAMP

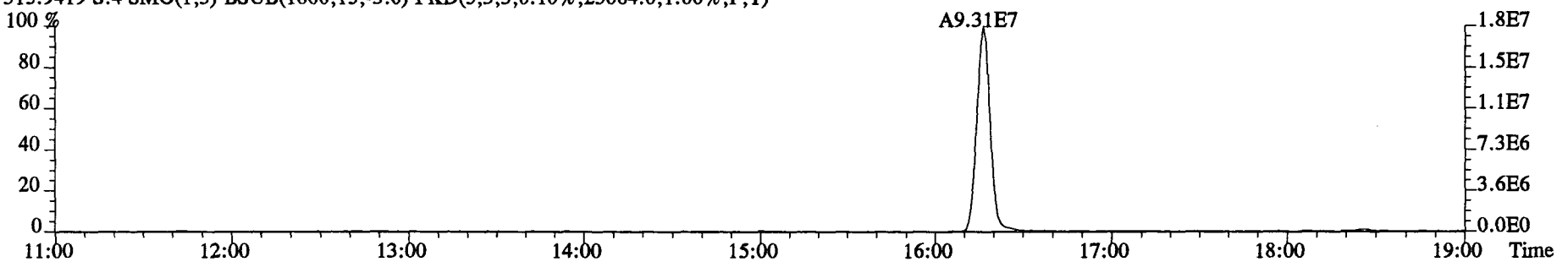
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	137308808	0.78	y	15:04	-	232.530		-	-	n
13C-2,3,7,8-TCDF	209719208	0.80	y	16:17	2.11	2893.602		9.888	72.3	n
2,3,7,8-TCDF	892341	0.91	n	16:17	1.06	16.115	SQ	4.437	-	n
13C-2,3,7,8-TCDD	116784112	0.76	y	14:45	0.88	3845.393		20.046	96.1	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.64	*		4.800	-	n
37Cl-2,3,7,8-TCDD	66707556	1.00	y	14:45	1.46	1566.921		8.259	39.2	n

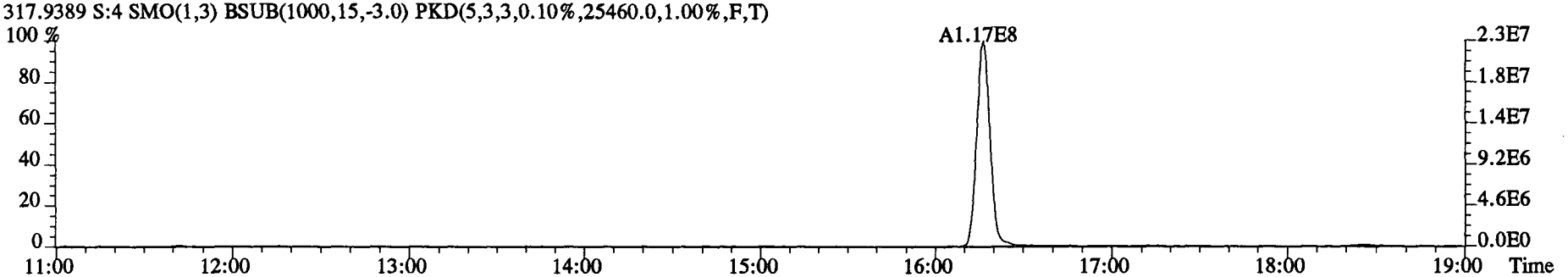
AK 9/24/10

File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:05:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:L6645-1-AA :G0I180489-4 Exp:DB225RES

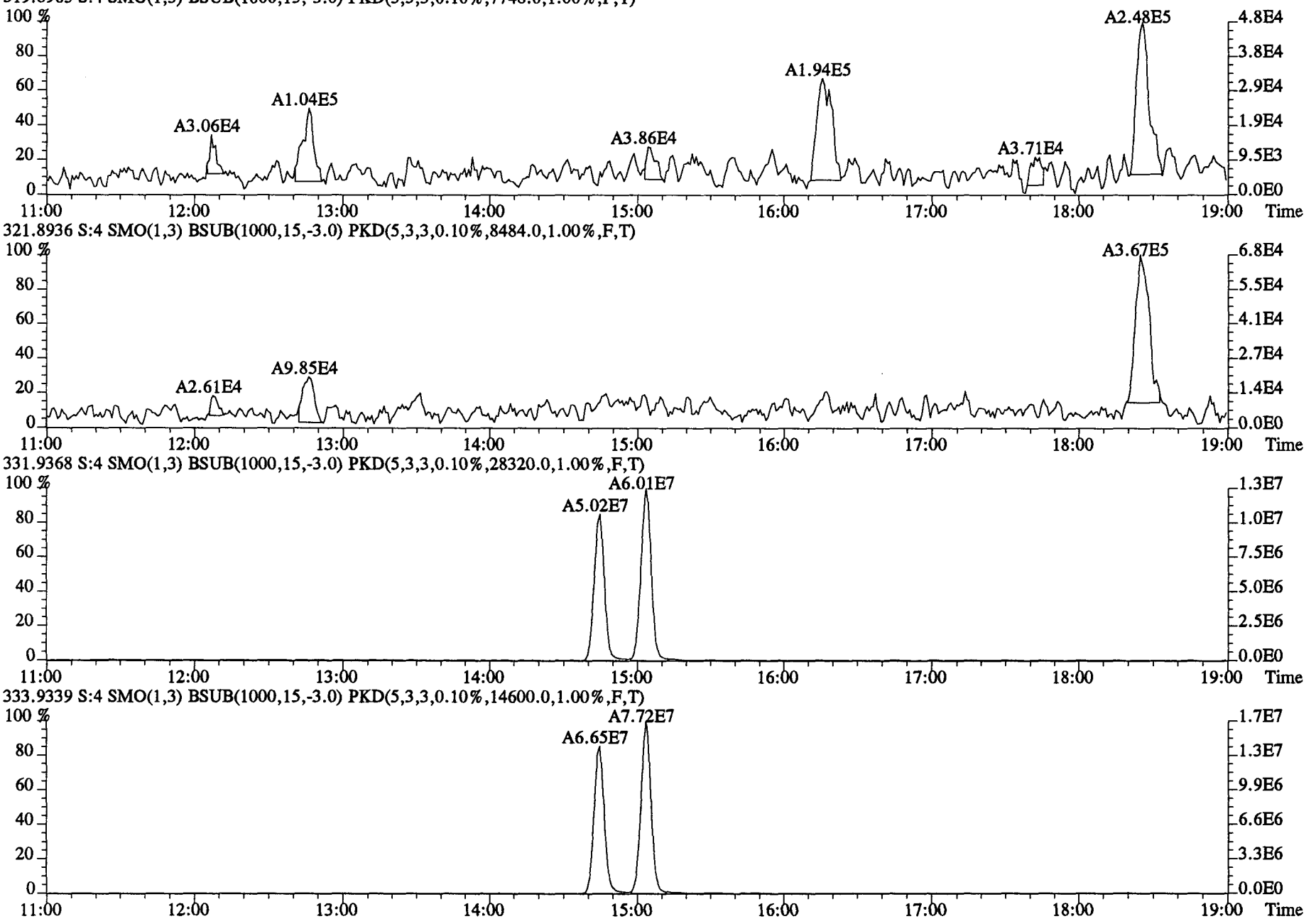




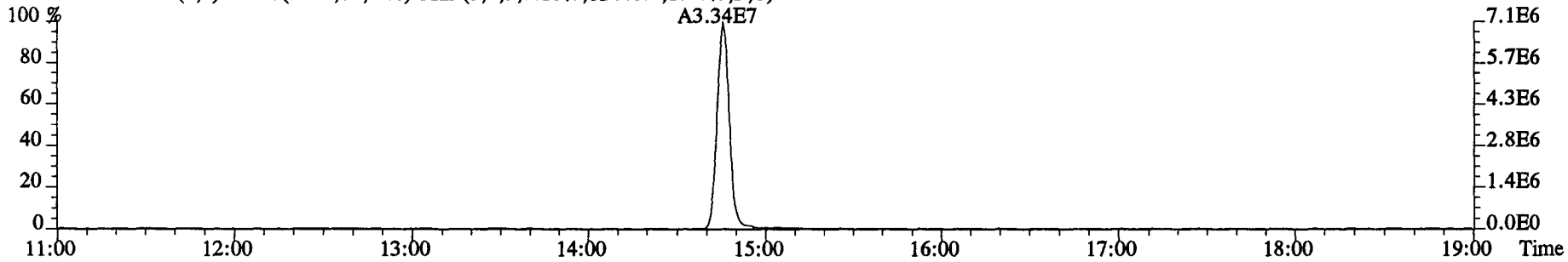




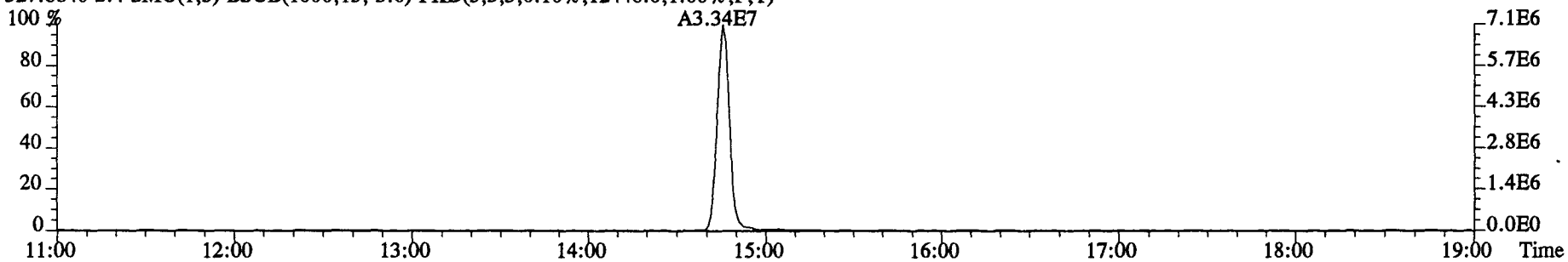
File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:05:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:L6645-1-AA :G0I180489-4 Exp:DB225RES



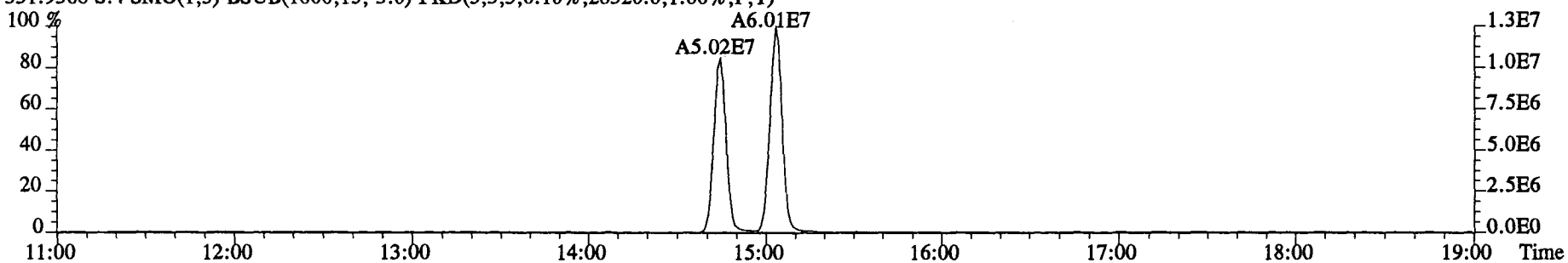
File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:05:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:L6645-1-AA :G0I180489-4 Exp:DB225RES
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12448.0,1.00%,F,T)



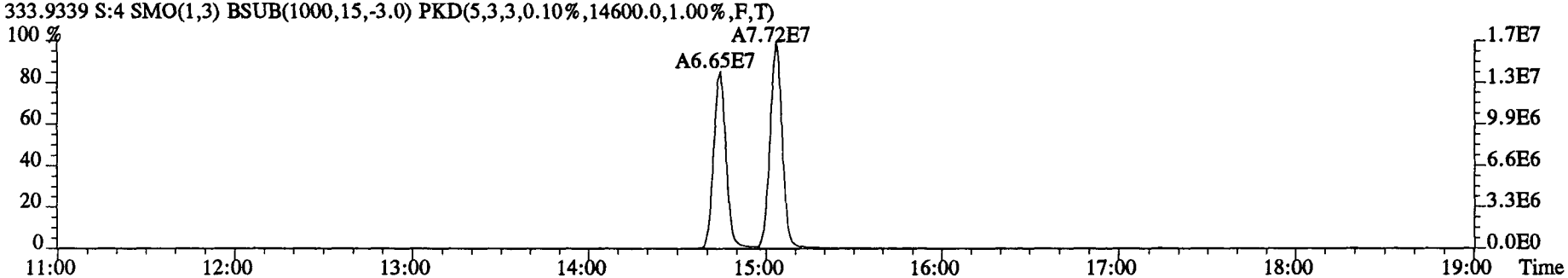
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12448.0,1.00%,F,T)



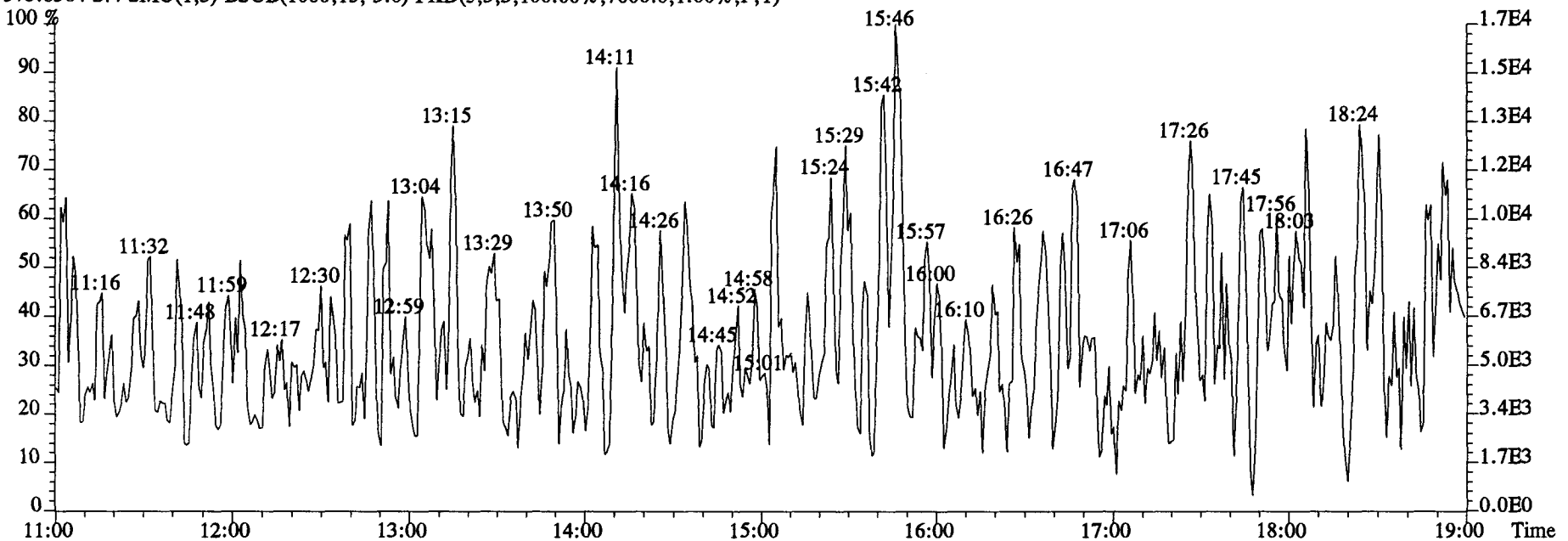
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28320.0,1.00%,F,T)



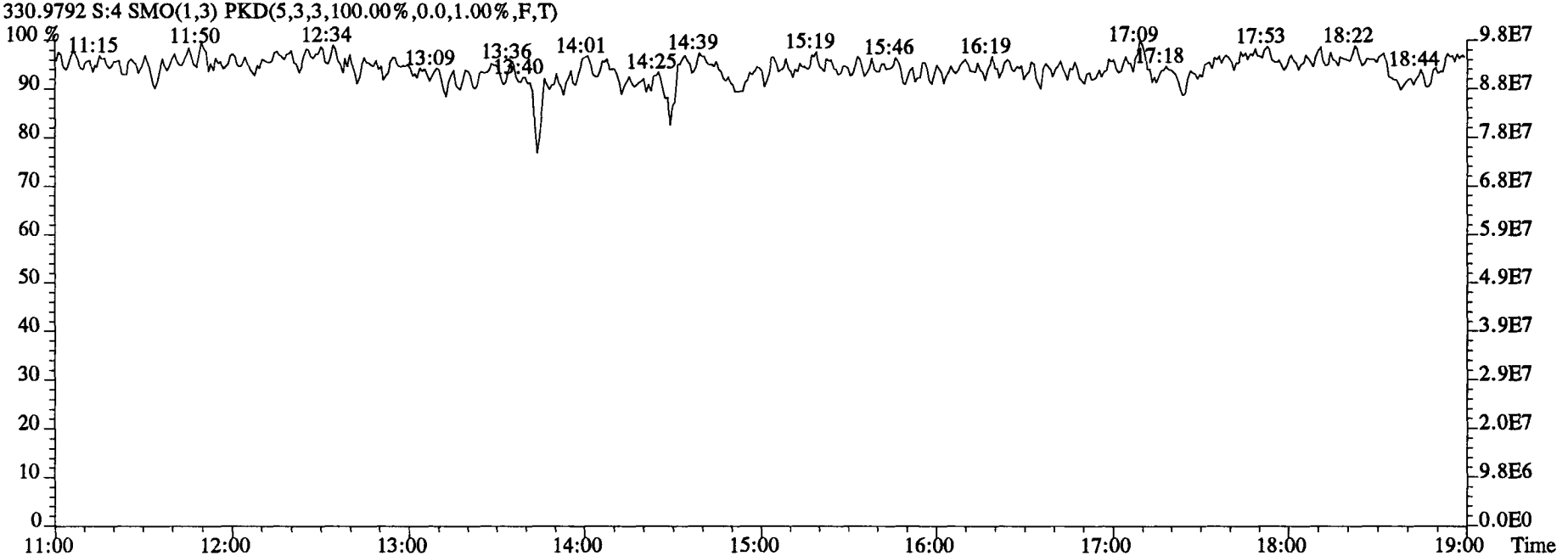
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14600.0,1.00%,F,T)



File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:05:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:L6645-1-AA :G0I180489-4 Exp:DB225RES
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7000.0,1.00%,F,T)



330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L6646-1-AA   Sample text: L6646-1-AA :G0I180489-5
Run #15 Filename: 22SE10B1D5 S: 41 I: 1   Results: 22se10b1d5to9
Acquired: 24-SEP-10 04:17:19   Processed: 24-SEP-10 08:34:28   AK 9/24/10
Run: 22SE10B1D5   Analyte: TO9   Cal: TO90914101D5
Factor 1: 1600.000   Factor 2: 20.000   Sample size: 0.50   Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	346080000	0.81	y	17:54	-	198.08	-	-	n
13C-2,3,7,8-TCDF	470739000	0.82	y	17:21	1.56	3480.85	1.54	87.0	n
2,3,7,8-TCDF	4308750	0.79	y	17:23	0.98	37.22 see DB225	0.99	-	n
Total TCDF	21447475	0.80	y	14:53	0.98	~~185.25~~ 185.00 ✓	0.99	-	n
13C-2,3,7,8-TCDD	294445000	0.82	y	18:05	0.92	3695.56	3.69	92.4	n
2,3,7,8-TCDD	158533	2.61	n	18:03	1.03	2.09 CS/A DL	1.29	-	n
Total TCDD	1160896	1.72	n	15:26	1.03	~~15.29~~ 5.08	1.29	-	n
37Cl-2,3,7,8-TCDD	159511000	1.00	y	18:06	1.23	1767.09	1.36	110.4	n
13C-1,2,3,7,8-PeCDF	363229000	1.66	y	22:29	1.05	3988.58	1.91	99.7	n
1,2,3,7,8-PeCDF	2385360	1.70	y	22:31	1.09	24.05 J	2.34	-	n
2,3,4,7,8-PeCDF	1262089	1.68	y	23:53	1.02	13.66	2.51	-	n
Total F2 PeCDF	16795836	1.61	y	20:56	1.05	~~174.97~~ 172.95	2.42	-	n
Total F1 PeCDF	1024195	0.68	n	15:25	1.05	~~10.69~~ 9/24/2010 mw 179.1	1.18	-	n
13C-1,2,3,7,8-PeCDD	201297200	1.65	y	24:35	0.56	4148.22	2.88	103.7	n
1,2,3,7,8-PeCDD	126321	1.65	y	24:38	1.07	~~2.35~~ J DL	2.28	-	n
Total PeCDD	1214067	2.19	n	21:18	1.07	~~22.54~~ 20.69	2.28	-	n
13C-1,2,3,7,8,9-HxCDD	309583000	1.29	y	30:52	-	188.64 (mw 9/24/2010 12.73)	-	-	n
13C-1,2,3,4,7,8-HxCDF	326763000	0.53	y	29:37	0.99	4260.99	1.33	106.5	n
1,2,3,4,7,8-HxCDF	4085410	1.26	y	29:38	1.26	39.66 J	1.63	-	y
1,2,3,6,7,8-HxCDF	3902550	1.27	y	29:45	1.53	31.20	1.34	-	y
2,3,4,6,7,8-HxCDF	853124	1.21	y	30:21	1.41	7.42	1.46	-	y
1,2,3,7,8,9-HxCDF	700180	1.25	y	31:04	1.40	6.14	1.47	-	n
Total HxCDF	25937939	1.26	y	28:06	1.40	✓227.91	1.47	-	y
13C-1,2,3,6,7,8-HxCDD	243385000	1.28	y	30:35	0.74	4252.51	1.02	106.3	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.12	*	1.21	-	n
1,2,3,6,7,8-HxCDD	176665	1.24	y	30:36	1.14	2.54 J	1.19	-	n
1,2,3,7,8,9-HxCDD	168779	0.69	n	30:53	1.35	2.05 JQ	1.00	-	n
Total HxCDD	1378798	0.80	n	29:01	1.20	~~18.69~~ 16.67	1.12	-	n
13C-1,2,3,4,6,7,8-HpCDF	256044600	0.45	y	32:29	0.96	3460.13	7.63	86.5	n
1,2,3,4,6,7,8-HpCDF	13525770	1.08	y	32:30	1.41	✓150.06	2.15	-	n
1,2,3,4,7,8,9-HpCDF	3659050	1.09	y	33:41	1.24	46.26 J	2.45	-	n
Total HpCDF	23882546	1.08	y	32:30	1.32	~~275.46~~ 271.54	2.29	-	n
13C-1,2,3,4,6,7,8-HpCDD	190966200	1.08	y	33:21	0.71	3464.48	4.05	86.6	n
1,2,3,4,6,7,8-HpCDD	879060	1.17	y	33:23	1.13	16.23 J	1.63	-	n
Total HpCDD	1717332	2.51	n	32:29	1.13	~~31.71~~ 26.25	1.63	-	n
13C-OCDD	181450600	0.91	y	35:57	0.35	6647.44	6.15	83.1	n
OCDF	14770690	0.83	y	36:05	2.12	✓307.54	2.39	-	n

OCDD	783108	0.81	y	35:57	1.37	25.18 5	2.08	- n

Run text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5
Run #15 Filename: 22SE10B1D5 S: 41 I: 1 Results: 22SE10B1D5TO9
Acquired: 24-SEP-10 04:17:19 Processed: 24-SEP-10 08:34:28
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	346080000	0.81	y	17:54	-	198.08	-	-	n
13C-2,3,7,8-TCDF	470739000	0.82	y	17:21	1.56	3480.85	1.54	87.0	n
2,3,7,8-TCDF	4308750	0.79	y	17:23	0.98	37.22	0.99	-	n
Total TCDF	21447475	0.80	y	14:53	0.98	185.25	0.99	-	n
13C-2,3,7,8-TCDD	294445000	0.82	y	18:05	0.92	3695.56	3.69	92.4	n
2,3,7,8-TCDD	158533	2.61	n	18:03	1.03	2.09	1.29	-	n
Total TCDD	1160896	1.72	n	15:26	1.03	15.29	1.29	-	n
37Cl-2,3,7,8-TCDD	159511000	1.00	y	18:06	1.23	1767.09	1.36	110.4	n
13C-1,2,3,7,8-PeCDF	363229000	1.66	y	22:29	1.05	3988.58	1.91	99.7	n
1,2,3,7,8-PeCDF	2385360	1.70	y	22:31	1.09	24.05	2.34	-	n
2,3,4,7,8-PeCDF	1262089	1.68	y	23:53	1.02	13.66	2.51	-	n
Total F2 PeCDF	16795836	1.61	y	20:56	1.05	174.97	2.42	-	n
Total F1 PeCDF	1024195	0.68	n	15:25	1.05	10.69	1.18	-	n
13C-1,2,3,7,8-PeCDD	201297200	1.65	y	24:35	0.56	4148.22	2.88	103.7	n
1,2,3,7,8-PeCDD	126321	1.65	y	24:38	1.07	2.35	2.28	-	n
Total PeCDD	1214067	2.19	n	21:18	1.07	22.54	2.28	-	n
13C-1,2,3,7,8,9-HxCDD	309583000	1.29	y	30:52	-	188.64	-	-	n
13C-1,2,3,4,7,8-HxCDF	326763000	0.53	y	29:37	0.99	4260.99	1.33	106.5	n
1,2,3,4,7,8-HxCDF	6039700	1.23	y	29:38	1.26	58.63	1.63	-	n
1,2,3,6,7,8-HxCDF	3900080	1.30	y	29:45	1.53	31.18	1.34	-	n
2,3,4,6,7,8-HxCDF	2036612	1.26	y	30:18	1.41	17.71	1.46	-	n
1,2,3,7,8,9-HxCDF	700179	1.25	y	31:04	1.40	6.14	1.47	-	n
Total HxCDF	25648324	1.26	y	28:06	1.40	227.18	1.47	-	n
13C-1,2,3,6,7,8-HxCDD	243385000	1.28	y	30:35	0.74	4252.51	1.02	106.3	n
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.12	*	1.21	-	n
1,2,3,6,7,8-HxCDD	176665	1.24	y	30:36	1.14	2.54	1.19	-	n
1,2,3,7,8,9-HxCDD	168779	0.69	n	30:53	1.35	2.05	1.00	-	n
Total HxCDD	1378798	0.80	n	29:01	1.20	18.69	1.12	-	n
13C-1,2,3,4,6,7,8-HpCDF	256044600	0.45	y	32:29	0.96	3460.13	7.63	86.5	n
1,2,3,4,6,7,8-HpCDF	13525770	1.08	y	32:30	1.41	150.06	2.15	-	n
1,2,3,4,7,8,9-HpCDF	3659050	1.09	y	33:41	1.24	46.26	2.45	-	n
Total HpCDF	23882546	1.08	y	32:30	1.32	275.46	2.29	-	n
13C-1,2,3,4,6,7,8-HpCDD	190966200	1.08	y	33:21	0.71	3464.48	4.05	86.6	n
1,2,3,4,6,7,8-HpCDD	879060	1.17	y	33:23	1.13	16.23	1.63	-	n
Total HpCDD	1717332	2.51	n	32:29	1.13	31.71	1.63	-	n
13C-OCDD	181450600	0.91	y	35:57	0.35	6647.44	6.15	83.1	n
OCDF	14770690	0.83	y	36:05	2.12	307.54	2.39	-	n
OCDD	783108	0.81	y	35:57	1.37	25.18	2.08	-	n

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:17
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1¶

Amount:	92.63 of which	18.61 named and	74.02 unnamed
Conc:	185.25 of which	37.22 named and	148.04 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?	
	1	14:53	0.80	y	2.74	140912	11.8	y	n	
						176153	8.3	y	n	
	2	15:14	1.20	n	1.61	126491	6.7	y	n	
						105034	4.5	y	n	
	3	15:25	0.77	y	1.91	96574	5.2	y	n	
						124894	4.8	y	n	
	4	15:40	0.73	y	29.47	1443950	92.0	y	n	
						1967850	81.6	y	n	
	5	15:54	0.69	y	13.70	649291	33.3	y	n	
						936969	28.2	y	n	
	6	16:14	0.74	y	11.37	559169	25.2	y	n	
						757061	21.0	y	n	
	7	16:27	0.89	y	17.12	930742	59.1	y	n	
						1051300	40.7	y	n	
	8	16:42	0.87	y	16.53	889710	50.8	y	n	
						1024220	37.0	y	n	
	9	16:49	0.70	y	15.16	725472	48.3	y	n	
						1029440	35.6	y	n	
	10	16:59	0.87	y	20.20	1090230	74.2	y	n	
						1247900	52.3	y	n	
	11	17:12	0.81	y	4.37	227407	13.5	y	n	
						279056	9.3	y	n	
2,3,7,8-TCDF	12	17:23	0.79	y	37.22	1896900	119.2	y	n	
						2411850	82.2	y	n	
	13	17:49	0.98	n	5.04	323718	19.4	y	n	
						329846	13.6	y	n	
	14	18:03	1.07	n	3.53	248016	13.8	y	n	
						231099	7.1	y	n	
	15	18:17	0.89	y	1.72	93446	4.7	y	n	
						105557	3.3	y	n	

	16	19:14	0.91	n	3.31	197113	11.6	y n
						216752	7.8	y n
	17	19:26	2.18	n	0.25	35675	3.7	y n
						16378	1.1	n n

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:10
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1¶

Amount:	7.64 of which	1.04 named and	6.60	unnamed
Conc:	15.29 of which	2.09 named and	13.20	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:26	1.72	n	0.47	34836	2.8	n	n
						20266	1.3	n	n
	2	15:49	0.69	y	1.32	40695	2.5	n	n
						59188	4.0	y	n
	3	16:07	0.61	n	5.08	167935	10.8	y	n
						273937	17.6	y	n
	4	16:22	1.18	n	0.76	38419	2.8	n	n
						32578	2.2	n	n
	5	16:58	0.90	n	2.33	89803	5.2	y	n
						100125	4.7	y	n
	6	17:09	2.11	n	0.87	78394	4.4	y	n
						37151	2.9	n	n
	7	17:23	3.64	n	0.83	130483	6.5	y	n
						35825	2.3	n	n
	8	17:35	1.07	n	0.95	43511	2.6	n	n
						40549	3.5	y	n
2,3,7,8-TCDD	9	18:03	2.61	n	2.09	233710	4.4	y	n
						89567	6.2	y	n
	10	18:40	1.04	n	0.59	26276	1.8	n	n
						25284	1.8	n	n

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:12
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	87.48 of which	18.85 named and	68.63	unnamed
Conc:	174.97 of which	37.71 named and	137.26	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	20:56	1.61	y	10.45	616813	16.2	y	n
						383940	11.9	y	n
	2	21:08	1.48	y	49.33	2817090	58.7	y	n
						1908360	40.7	y	n
	3	21:24	1.69	y	6.30	379340	9.6	y	n
						224432	6.9	y	n
	4	21:39	1.54	y	5.67	329107	8.8	y	n
						213708	6.0	y	n
	5	22:02	1.52	y	25.00	1444400	25.1	y	n
						950327	17.6	y	n
	6	22:23	1.74	y	9.14	556591	14.6	y	n
						319306	8.9	y	n
1,2,3,7,8-PeCDF	7	22:31	1.70	y	24.05	1503020	40.4	y	n
						882340	23.6	y	n
	8	22:50	1.61	y	5.25	310590	6.7	y	n
						192486	5.5	y	n
	9	23:05	1.63	y	14.56	864903	16.6	y	n
						530282	10.5	y	n
2,3,4,7,8-PeCDF	10	23:53	1.68	y	13.66	790899	16.7	y	n
						471190	13.7	y	n
	11	24:15	1.06	n	9.52	554058	7.9	y	n
						520484	8.5	y	n
	12	24:45	2.42	n	2.04	185277	3.5	y	n
						76548	1.9	n	n

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:6
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	5.35 of which	* named and	5.35	unnamed

Conc: 10.69 of which * named and 10.69 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:25	0.68	n	2.07	120466	14.5	y	n
						176483	9.2	y	n
	2	15:35	0.70	n	0.18	10755	1.5	n	n
						15337	1.0	n	n
	3	19:06	0.54	n	1.83	106606	10.6	y	n
						197634	9.0	y	n
	4	19:17	0.78	n	0.28	16457	2.3	n	n
						21052	0.9	n	n
	5	19:34	1.63	y	6.17	365878	31.8	y	n
						224905	9.6	y	n
	6	19:52	0.36	n	0.16	9163	0.9	n	n
						25311	1.4	n	n

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:8
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	11.27 of which	1.17 named and	10.10	unnamed
Conc:	22.54 of which	2.35 named and	20.19	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:18	2.19	n	3.49	161461	7.2	y	n
						73816	5.1	y	n
	2	22:32	2.09	n	4.01	177106	8.9	y	n
						84796	6.3	y	n
	3	22:49	1.26	n	1.10	36127	2.3	n	n
						28671	2.2	n	n
	4	23:06	1.42	y	5.23	165272	6.2	y	n
						116601	8.1	y	n
	5	24:17	2.56	n	5.60	302641	11.3	y	n
						118280	6.1	y	n
	6	24:30	0.48	n	0.29	9526	0.9	n	n
						19917	2.5	n	n
1,2,3,7,8-PeCDD	7	24:38	1.65	y	2.35	78668	2.9	n	n
						47654	2.2	n	n
	8	25:13	2.63	n	0.46	25453	1.4	n	n
						9683	1.2	n	n

 see QA

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:12
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	113.59 of which	56.83 named and	56.76	unnamed
Conc:	227.18 of which	113.67 named and	113.51	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:06	1.26	y	23.00	1464580	31.1	y	n
						1163730	31.6	y	n
	2	28:22	1.10	y	42.85	2560870	51.0	y	n
						2336130	70.5	y	n
	3	28:39	0.69	n	1.68	106431	2.9	n	n

6eA

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:14
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	113.95	of which	42.21	named and	71.74	unnamed			
Conc:	227.91	of which	84.42	named and	143.48	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:06	1.26	y	23.00	1464580	31.1	y	n
						1163730	31.6	y	n
	2	28:22	1.10	y	42.85	2560870	51.0	y	n
						2336130	70.5	y	n
	3	28:39	0.69	n	1.68	106431	2.9	n	n
						154119	5.2	y	n
	4	28:52	1.40	y	7.67	511825	12.8	y	n
						365112	12.3	y	n
	5	29:08	1.56	n	5.11	406615	9.3	y	n
						260497	10.5	y	n
	6	29:36	1.19	y	17.81	1106670	63.5	y	y
						928665	79.1	y	y
1,2,3,4,7,8-HxCDF	7	29:38	1.26	y	39.66	2274140	88.2	y	y
						1811270	101.2	y	y
1,2,3,6,7,8-HxCDF	8	29:45	1.27	y	31.20	2183350	67.2	y	y
						1719200	76.2	y	y
	9	29:53	1.29	y	12.91	830604	22.7	y	y
						644880	24.7	y	y
	10	30:07	1.37	y	13.92	919592	19.2	y	n
						671157	21.8	y	n
	11	30:18	1.34	y	11.27	736686	23.6	y	y
						551248	22.4	y	y
2,3,4,6,7,8-HxCDF	12	30:21	1.21	y	7.42	467674	15.5	y	y
						385450	19.9	y	y
1,2,3,7,8,9-HxCDF	13	31:04	1.25	y	6.14	389592	14.6	y	n
						310588	15.8	y	n
	14	31:08	1.09	y	7.26	433195	13.6	y	n
						395955	16.1	y	n

						154119	5.2	y	n
	4	28:52	1.40	y	7.67	511825	12.8	y	n
						365112	12.3	y	n
	5	29:08	1.56	n	5.11	406615	9.3	y	n
						260497	10.5	y	n
1,2,3,4,7,8-HxCDF	6	29:38	1.23	y	58.63	3329450	87.6	y	n
						2710250	100.8	y	n
1,2,3,6,7,8-HxCDF	7	29:45	1.30	y	31.18	2202230	66.6	y	n
						1697850	75.7	y	n
	8	29:53	1.16	y	12.02	739071	22.1	y	n
						634761	24.2	y	n
	9	30:07	1.37	y	13.92	919592	19.2	y	n
						671157	21.8	y	n
2,3,4,6,7,8-HxCDF	10	30:18	1.26	y	17.71	1136520	23.1	y	n
						900092	21.9	y	n
1,2,3,7,8,9-HxCDF	11	31:04	1.25	y	6.14	389592	14.6	y	n
						310587	15.8	y	n
	12	31:08	1.09	y	7.26	433195	13.6	y	n
						395954	16.1	y	n

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:7
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	9.34 of which	2.30 named and	7.05 unnamed
Conc:	18.69 of which	4.59 named and	14.09 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	29:01	0.80	n	1.78	72330	5.0	y	n
						90854	4.2	y	n
	2	29:39	1.77	n	6.09	351691	13.4	y	n
						199173	12.2	y	n
	3	29:55	1.65	n	4.20	227091	11.9	y	n
						137623	12.9	y	n
	4	30:21	3.02	n	0.94	93151	5.1	y	n
						30825	3.0	n	n
1,2,3,6,7,8-HxCDD	5	30:36	1.24	y	2.54	97926	5.6	y	n
						78740	5.9	y	n
1,2,3,7,8,9-HxCDD	6	30:53	0.69	n	2.05	93431	5.7	y	n
						135760	9.9	y	n
	7	31:04	1.50	n	1.08	53027	3.8	y	n
						35366	2.6	n	n

Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:6
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	137.73 of which	98.16 named and	39.58 unnamed
Conc:	275.46 of which	196.31 named and	79.15 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:30	1.08	y	150.06	7033880	226.1	y	n
						6491890	198.5	y	n
	2	32:42	1.22	n	28.48	1437290	42.7	y	n
						1181190	32.8	y	n
	3	32:50	1.09	y	46.75	2064870	55.4	y	n
						1891450	51.1	y	n
	4	33:23	1.37	n	2.65	150333	4.3	y	n

						109778	3.7	y	n
1,2,3,4,7,8,9-HpCDF	5	33:41	1.09	y	46.26	1910190	51.1	y	n
						1748860	49.1	y	n
	6	34:54	0.45	n	1.27	54973	2.2	n	n
						121271	3.4	y	n

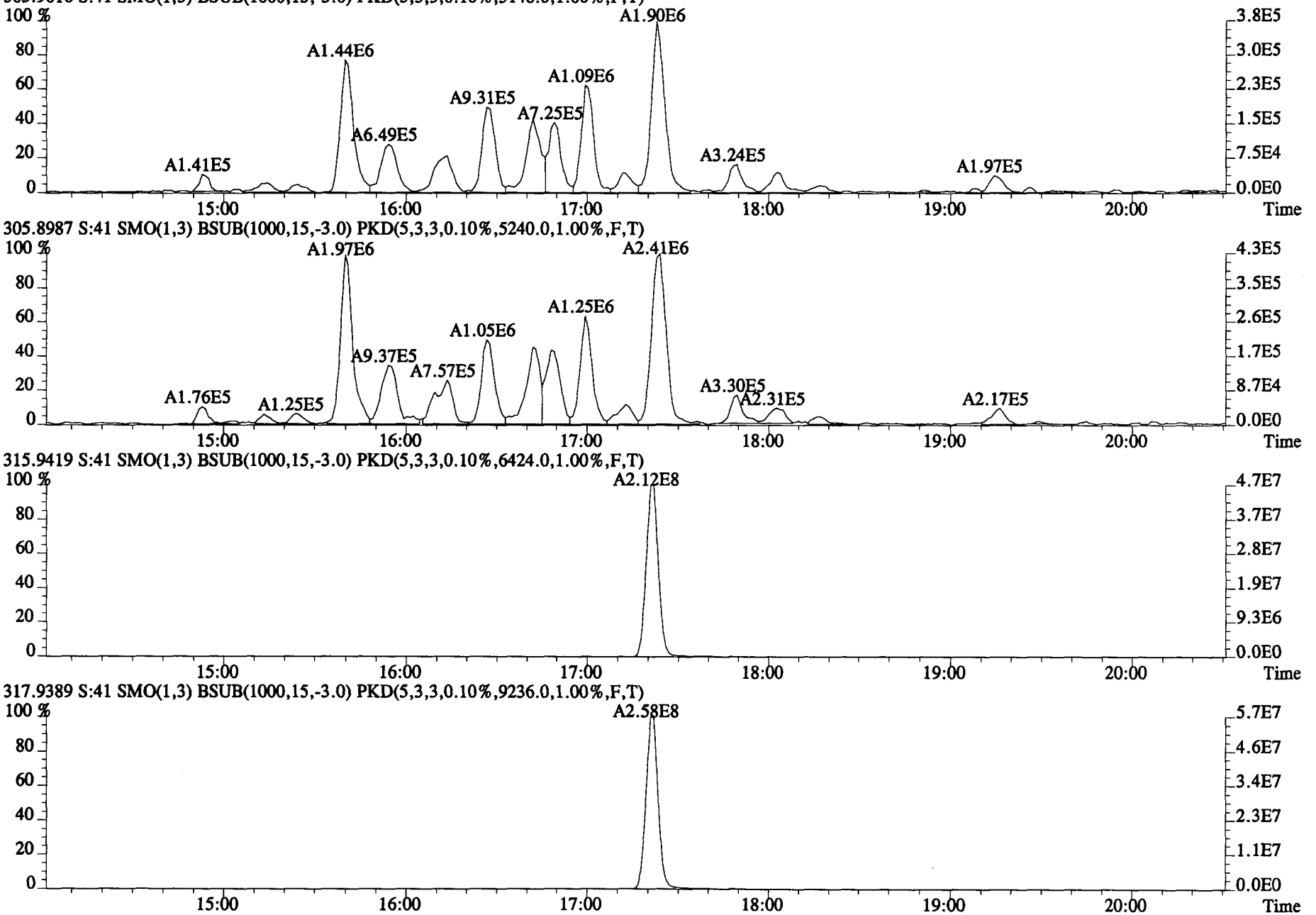
Run Text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:5
Run: 15 File: 22SE10B1D5 S:41 Acq:24-SEP-10 04:17:19
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

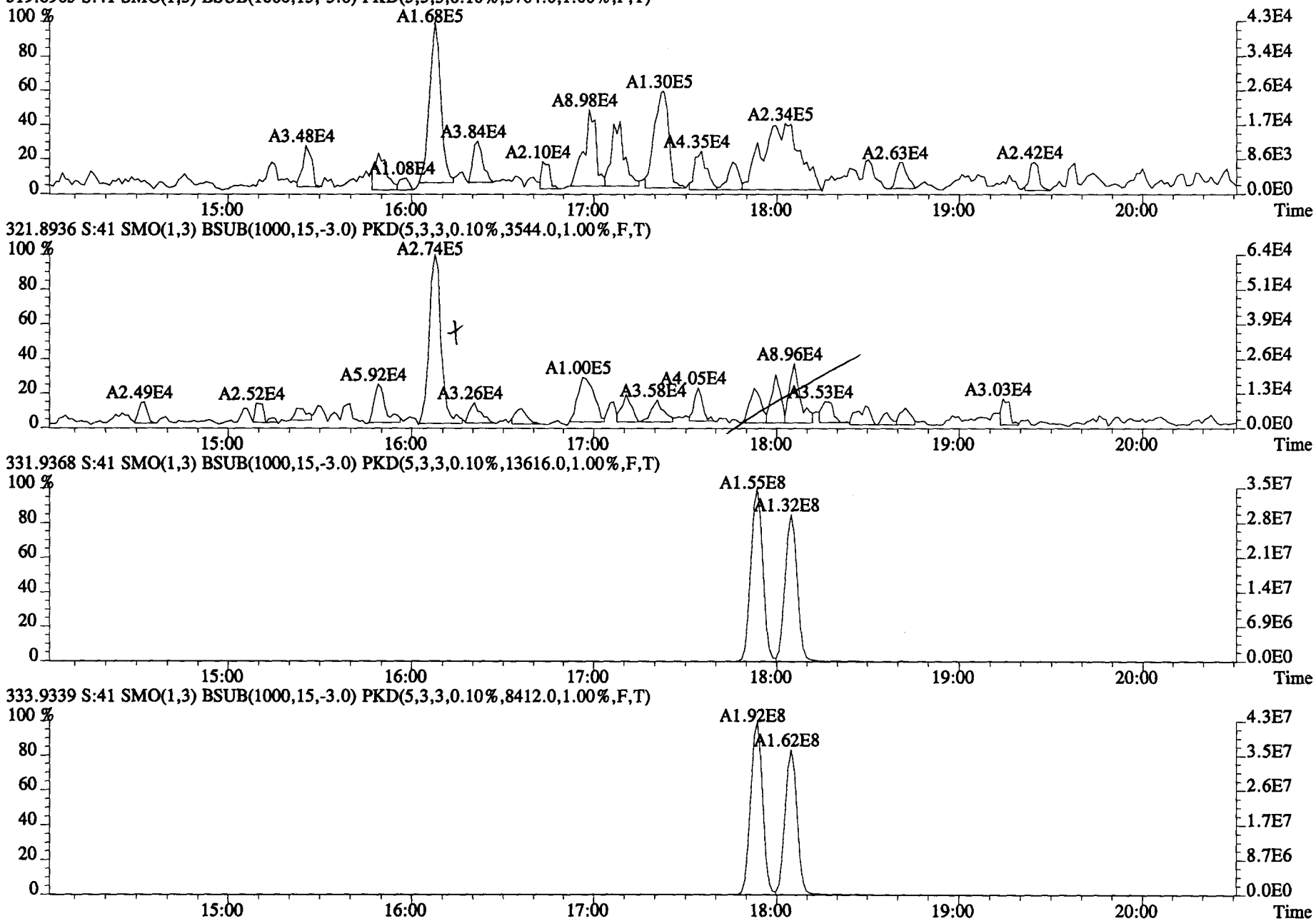
Amount:	15.86 of which	8.12 named and	7.74	unnamed
Conc:	31.71 of which	16.23 named and	15.48	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:29	2.51	n	1.05	69908	4.2	y	n
						27806	2.6	n	n
	2	32:46	1.14	y	10.02	289140	16.2	y	n
						253604	19.6	y	n
1,2,3,4,6,7,8-HpCDD	3	33:23	1.17	y	16.23	473884	22.8	y	n
						405176	32.9	y	n
	4	33:40	1.81	n	1.94	92837	3.0	n	n
						51374	3.2	y	n
	5	34:54	1.41	n	2.47	92904	4.2	y	n
						65687	6.7	y	n

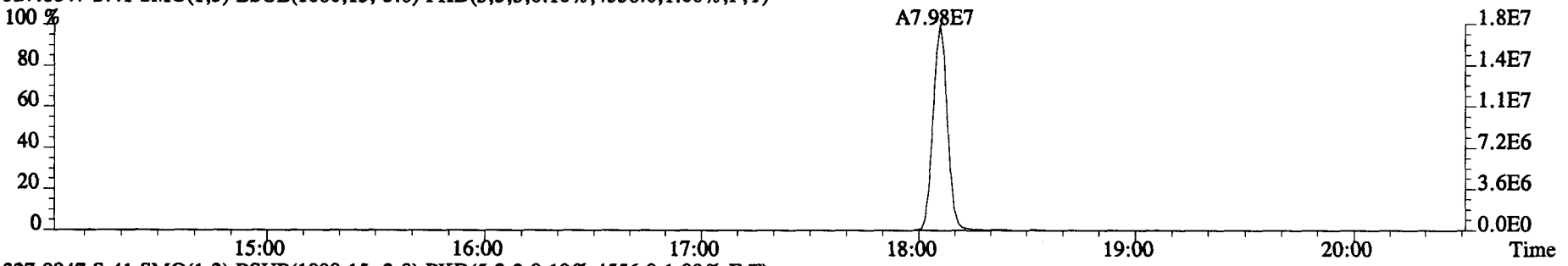
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



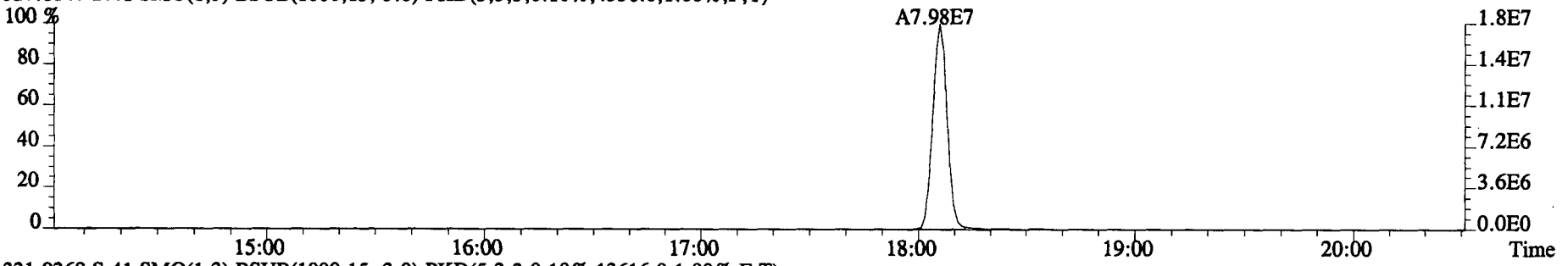
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



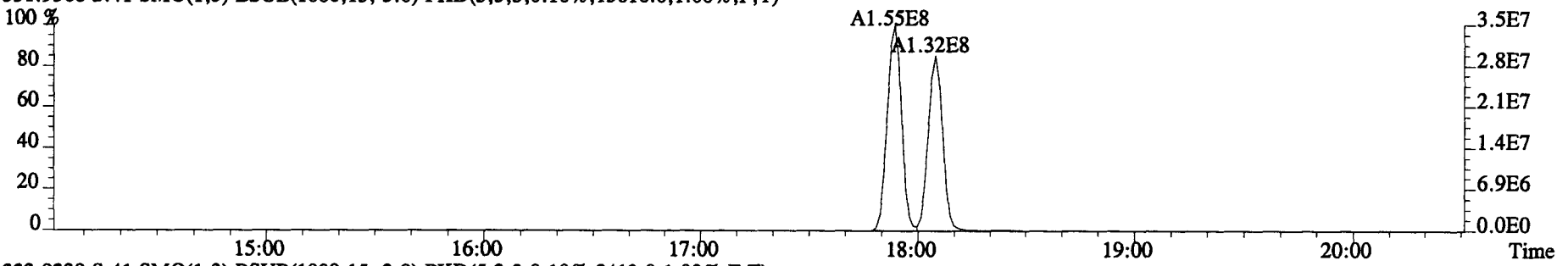
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES
327.8847 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4556.0,1.00%,F,T)



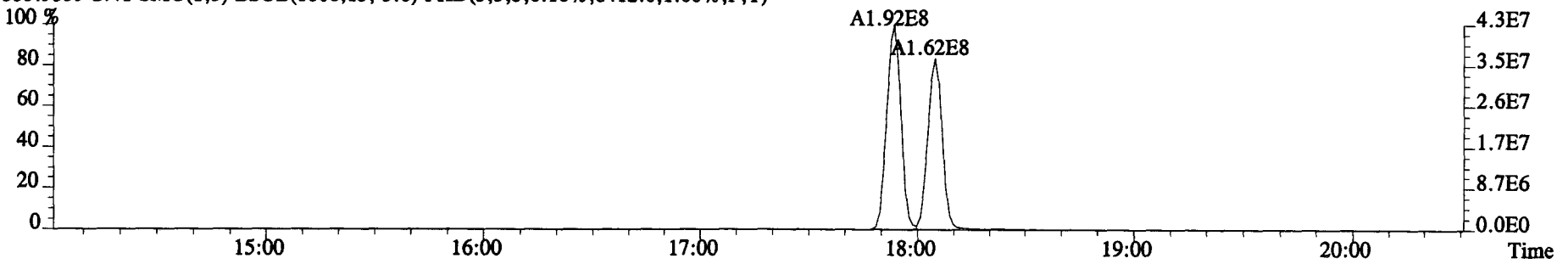
327.8847 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4556.0,1.00%,F,T)



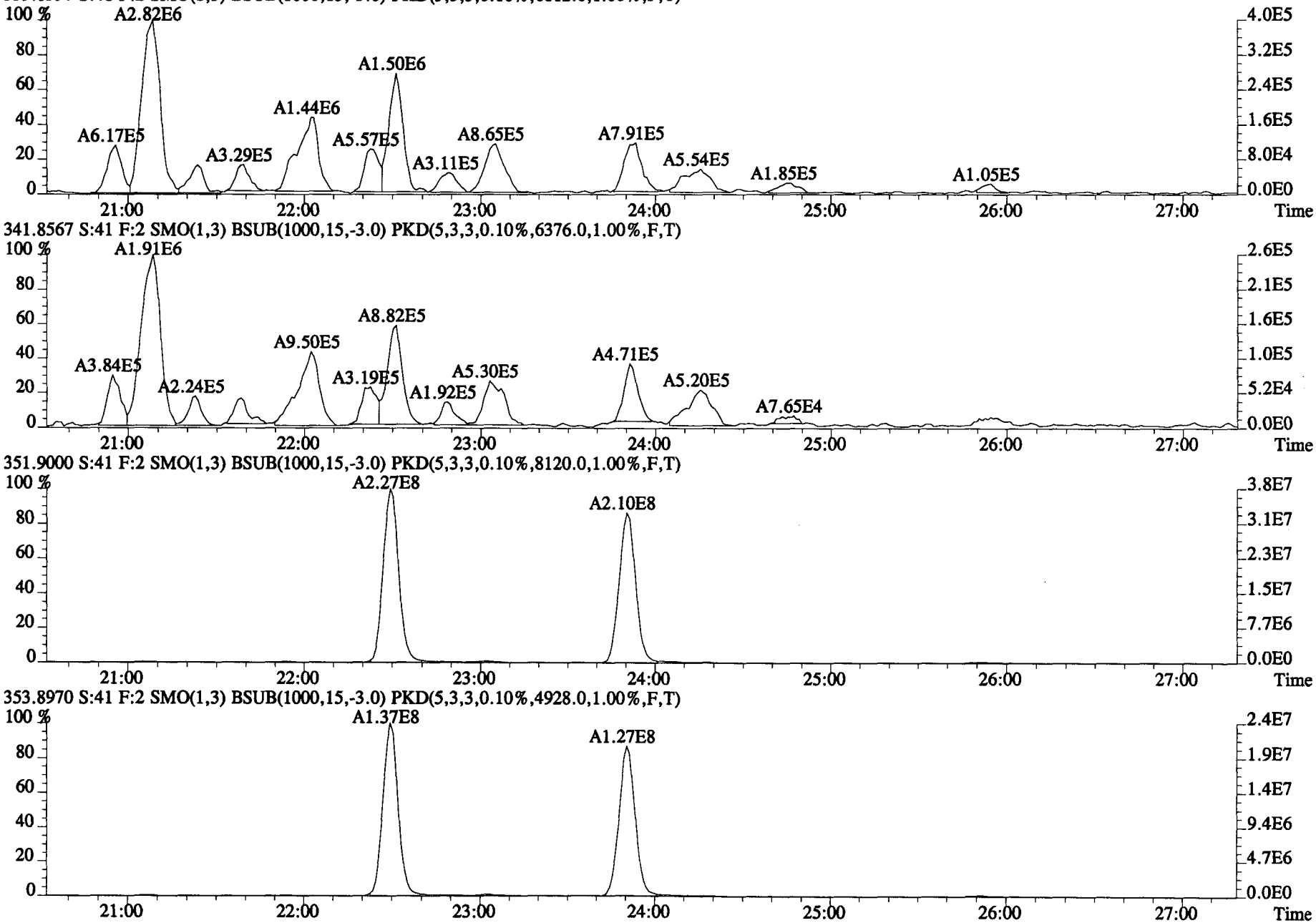
331.9368 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13616.0,1.00%,F,T)



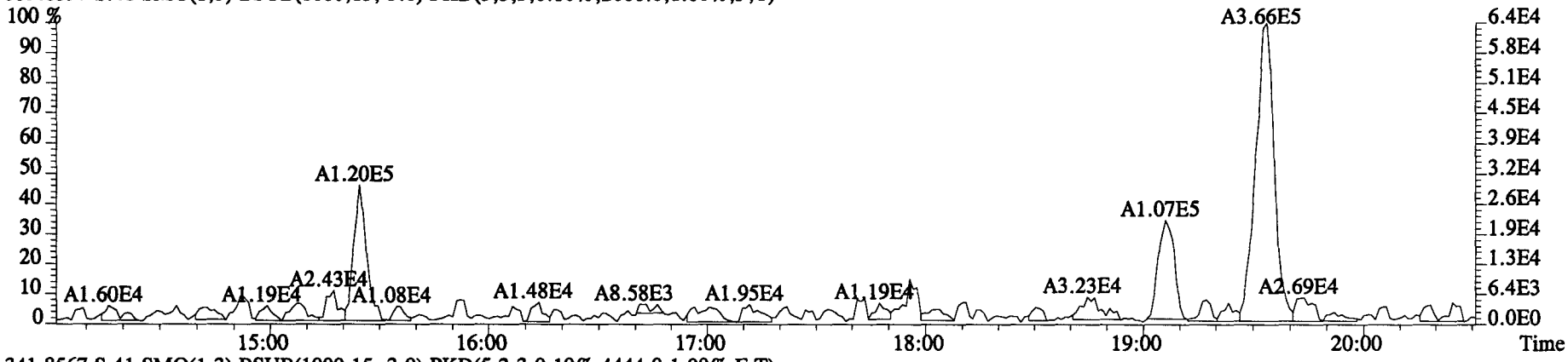
333.9339 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8412.0,1.00%,F,T)



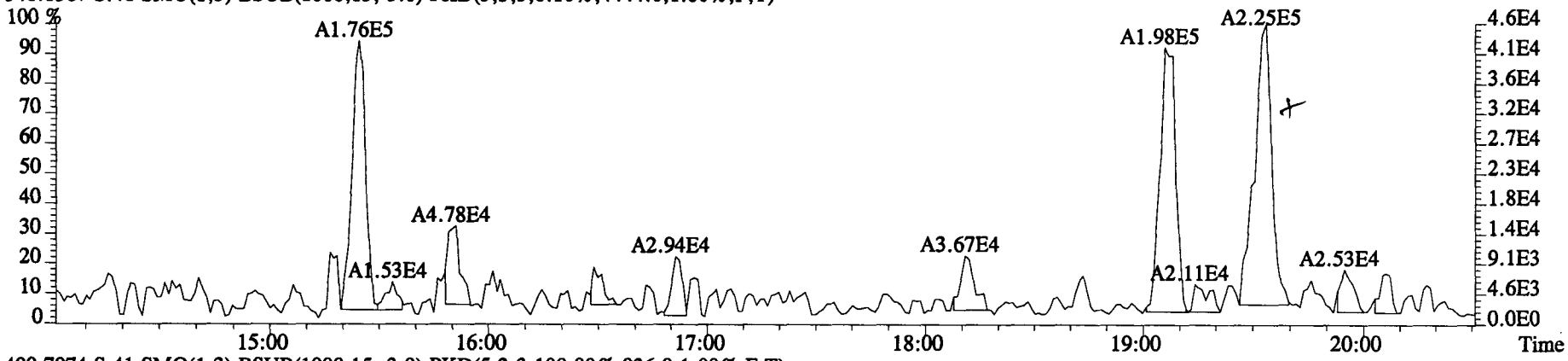
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



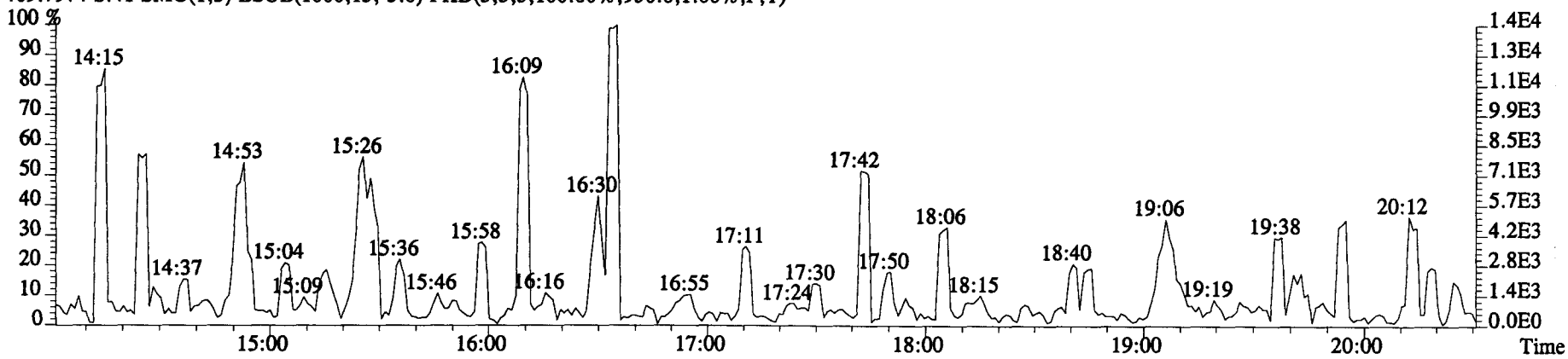
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES
339.8597 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2000.0,1.00%,F,T)



341.8567 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4444.0,1.00%,F,T)

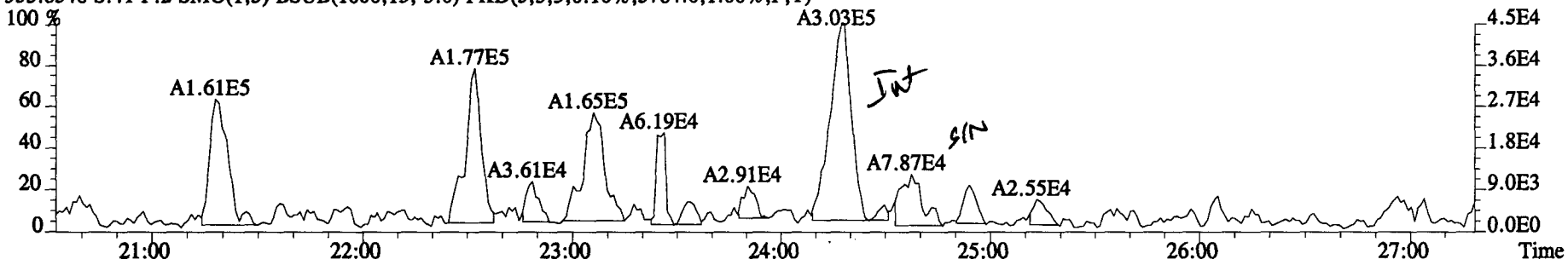


409.7974 S:41 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,936.0,1.00%,F,T)

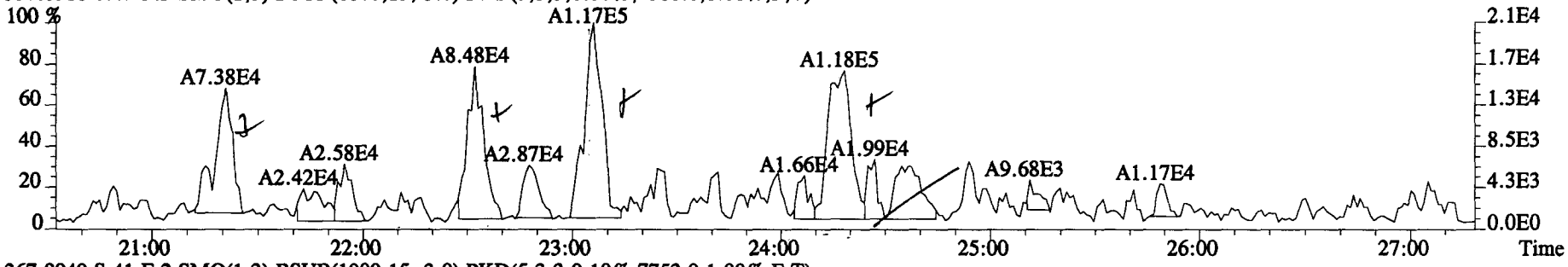


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES

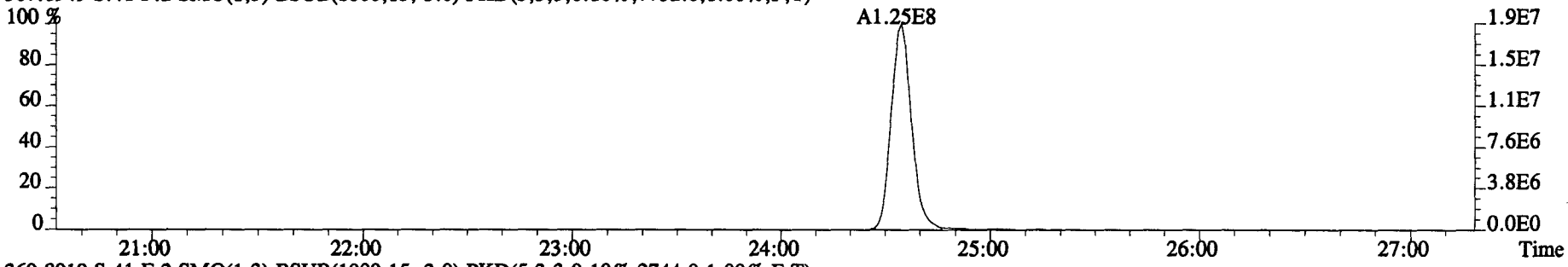
355.8546 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3784.0,1.00%,F,T)



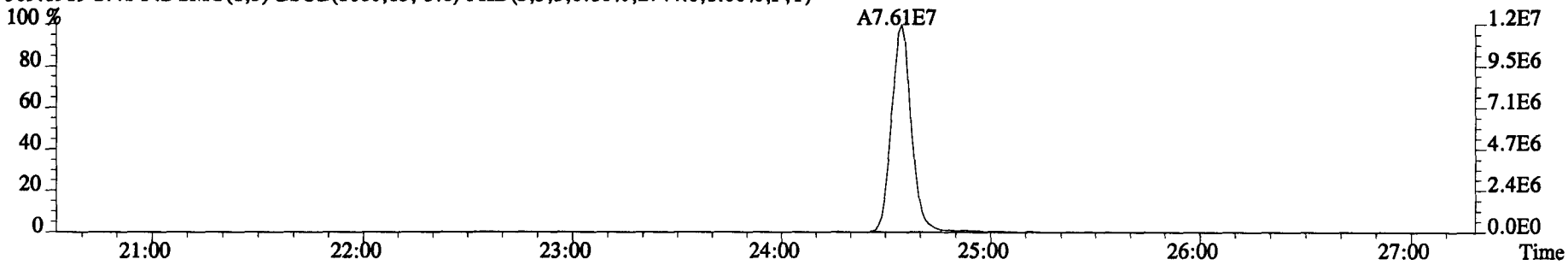
357.8516 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2508.0,1.00%,F,T)



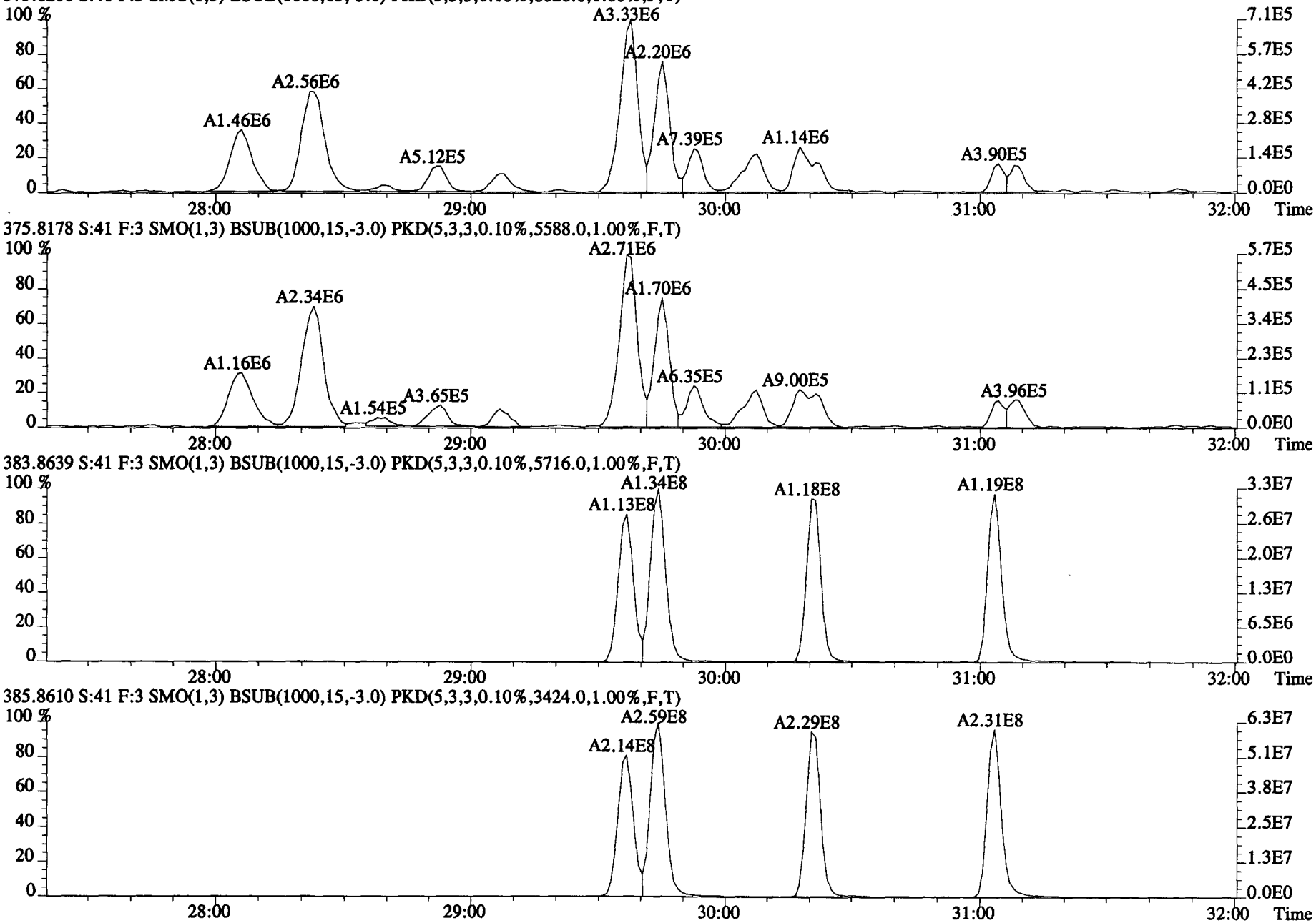
367.8949 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7752.0,1.00%,F,T)



369.8919 S:41 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2744.0,1.00%,F,T)

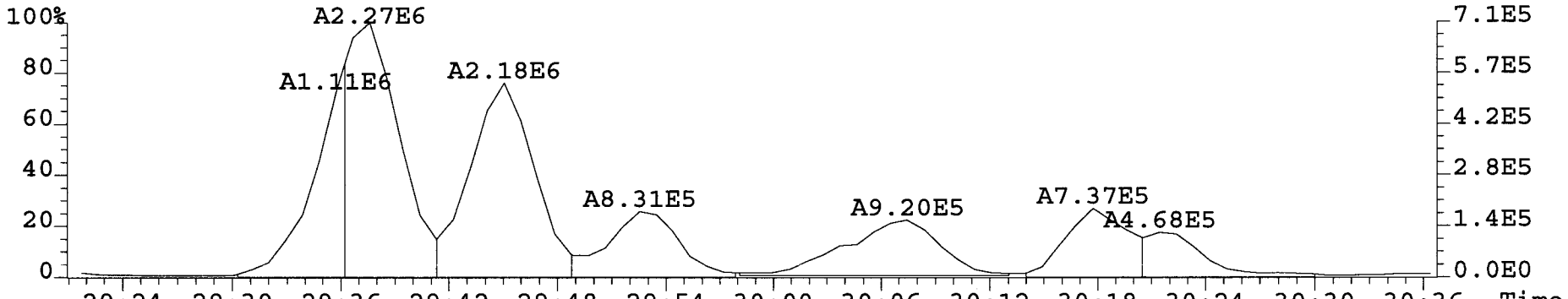


File:22SE10B1D5 #1-301 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES

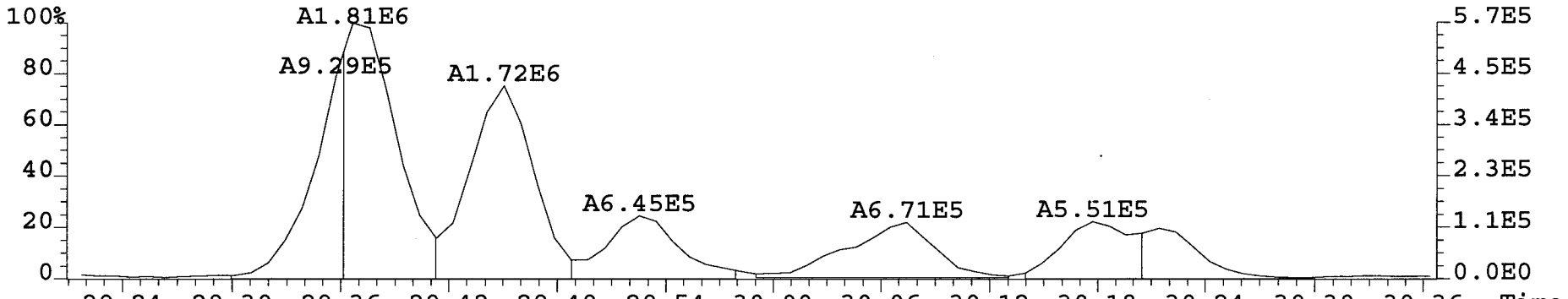


File:22SE10B1D5 #1-301 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES

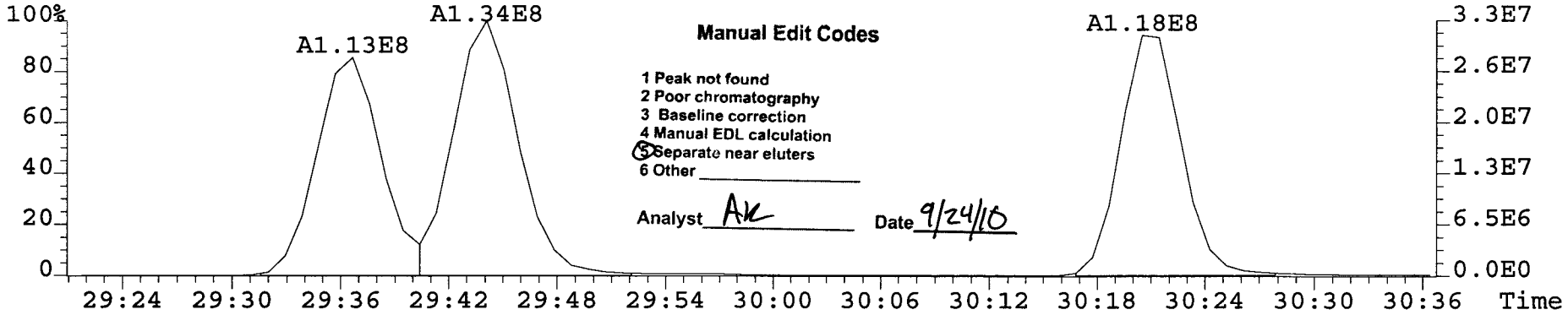
373.8208 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8028.0,1.00%,F,T)



375.8178 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5588.0,1.00%,F,T)



383.8639 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)

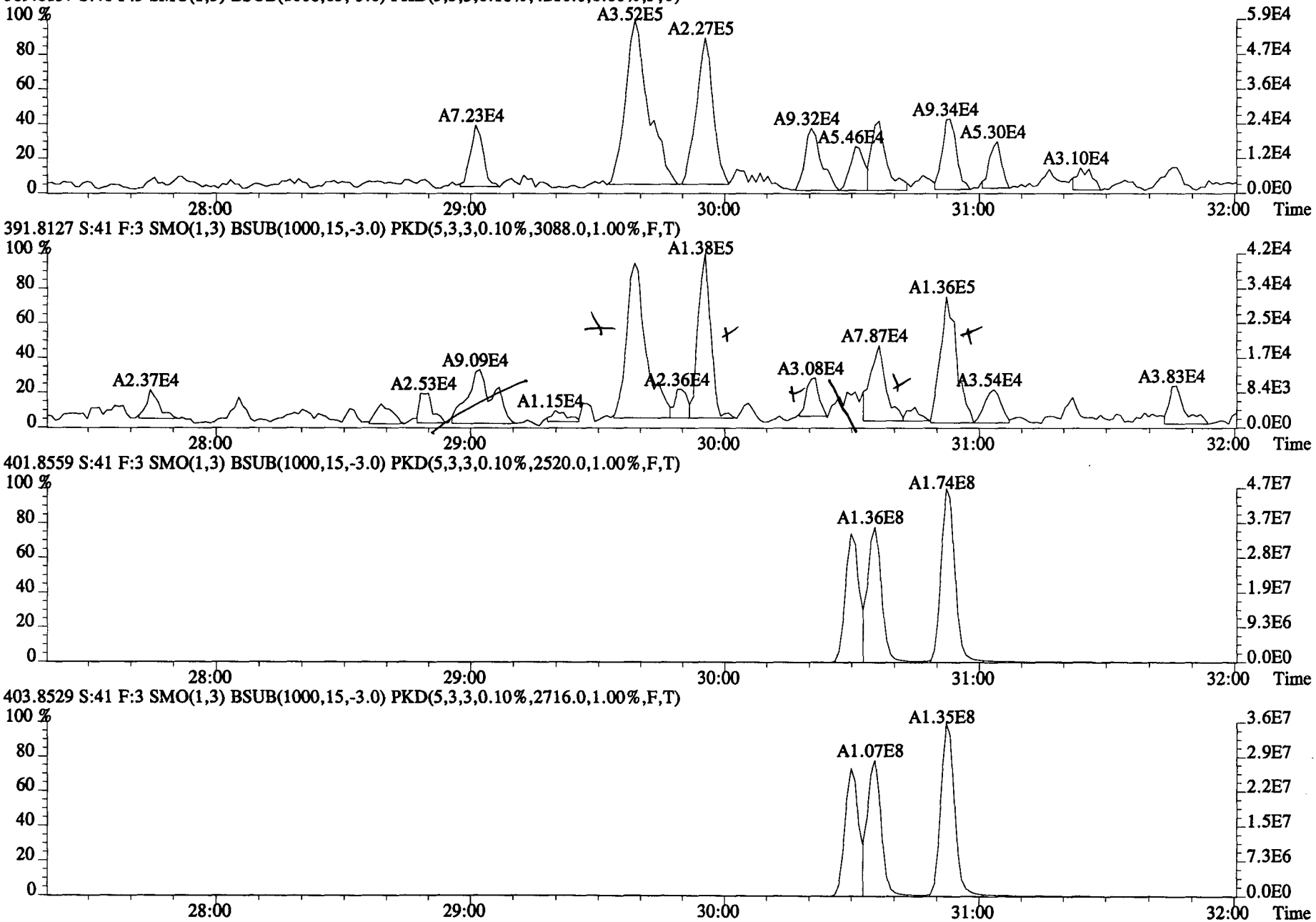


Manual Edit Codes

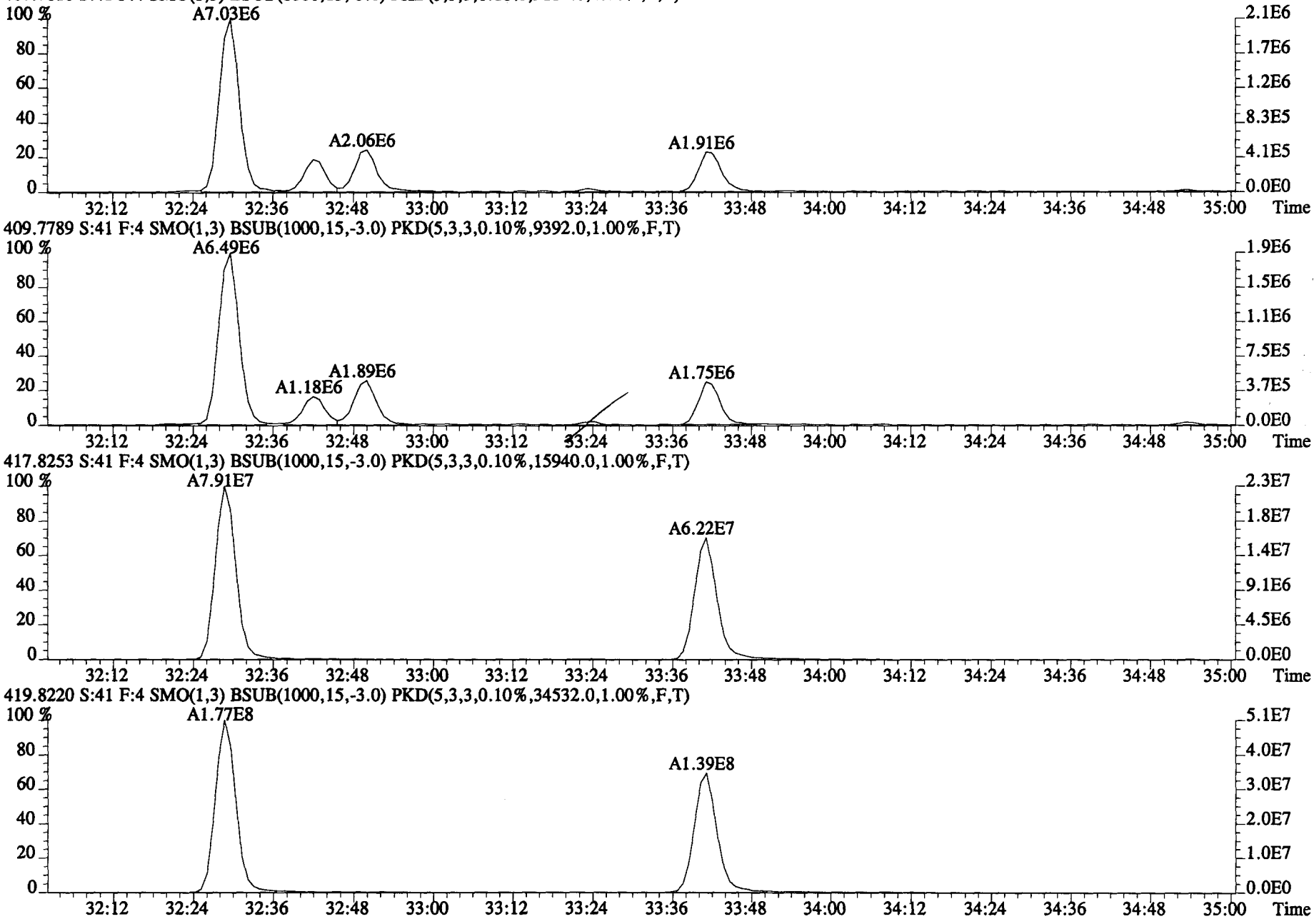
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

Analyst AK Date 9/24/10

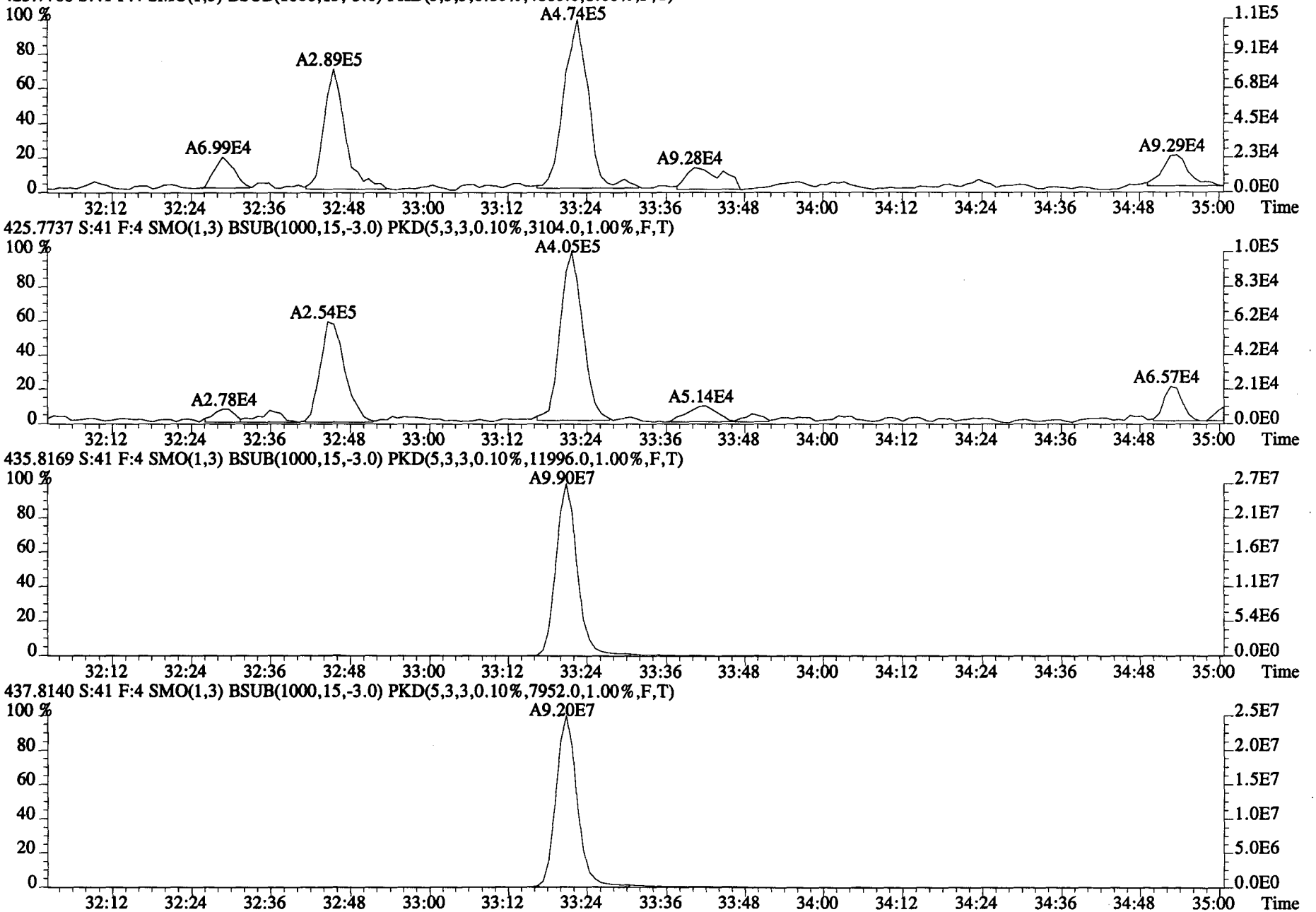
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



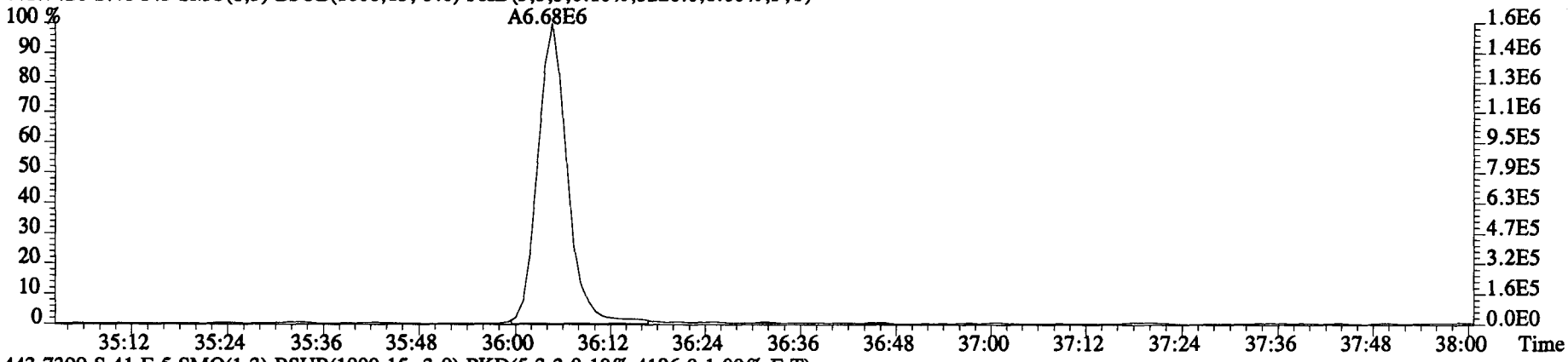
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



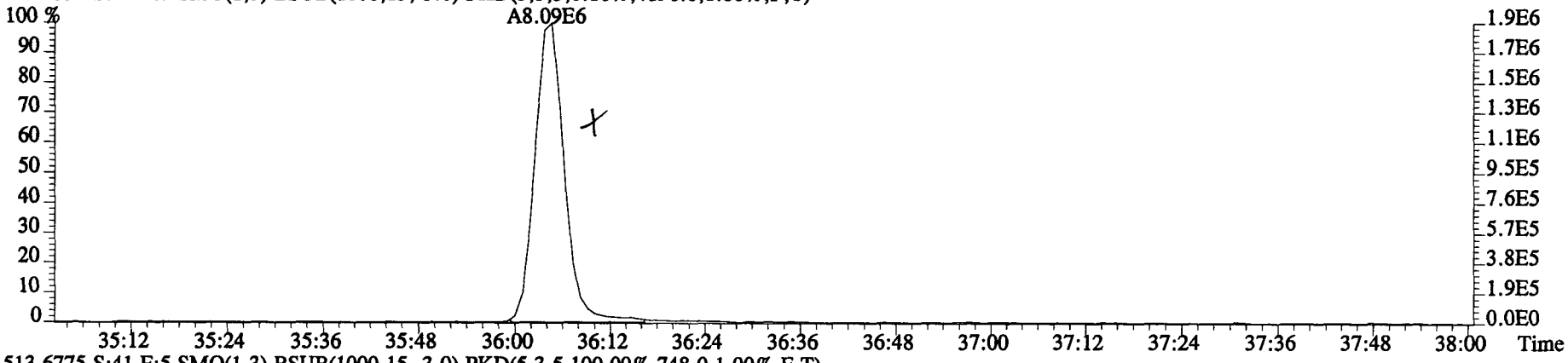
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



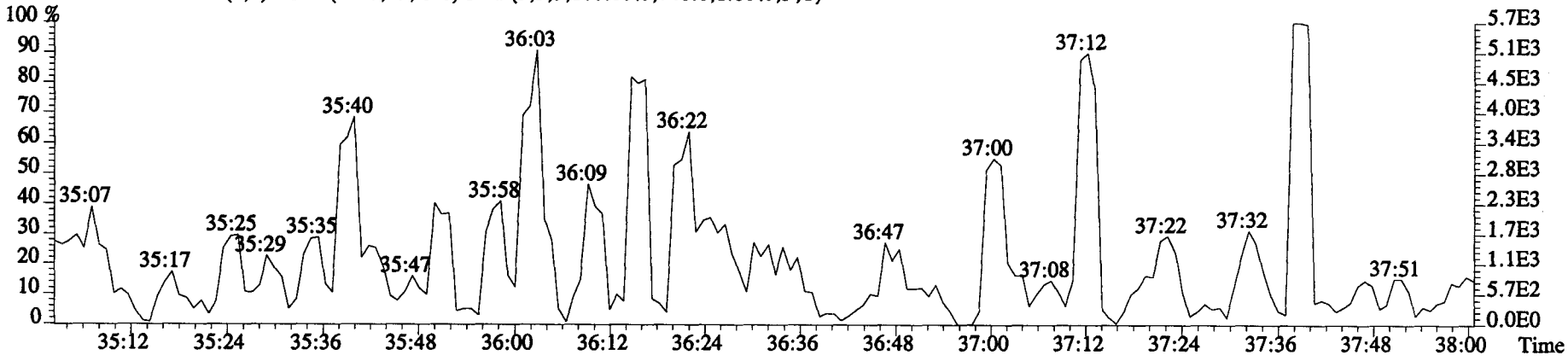
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES
441.7428 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5220.0,1.00%,F,T)



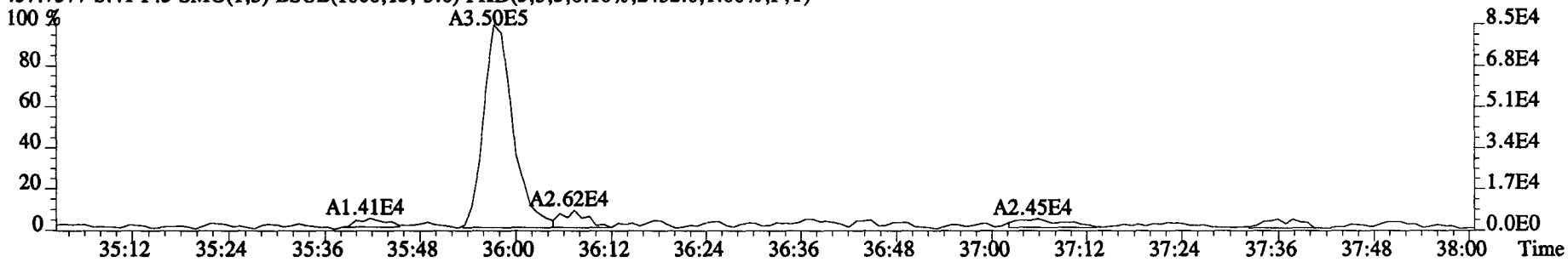
443.7399 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4196.0,1.00%,F,T)



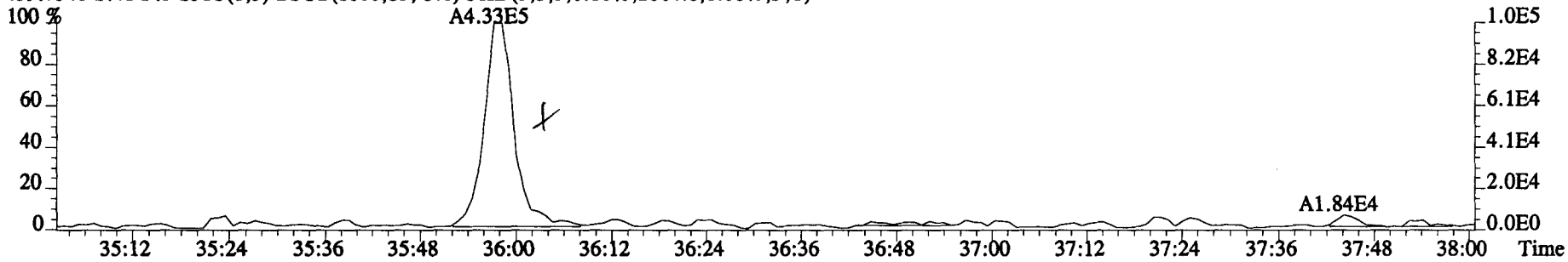
513.6775 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,748.0,1.00%,F,T)



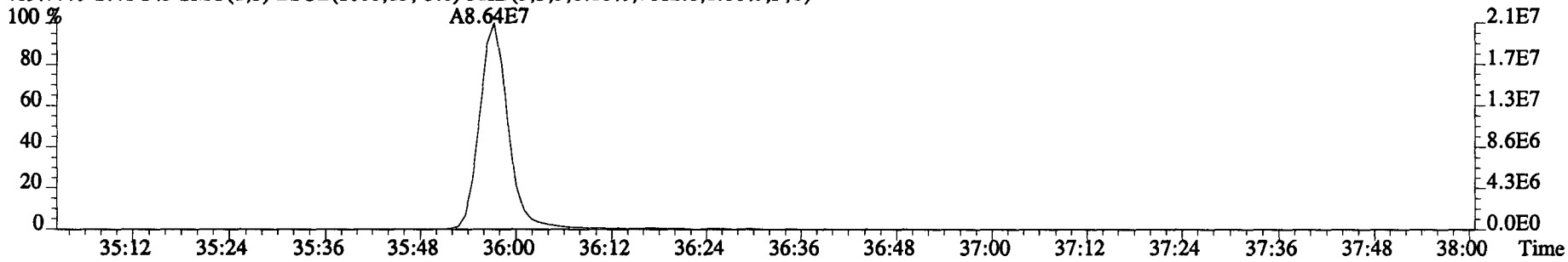
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES
457.7377 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2452.0,1.00%,F,T)



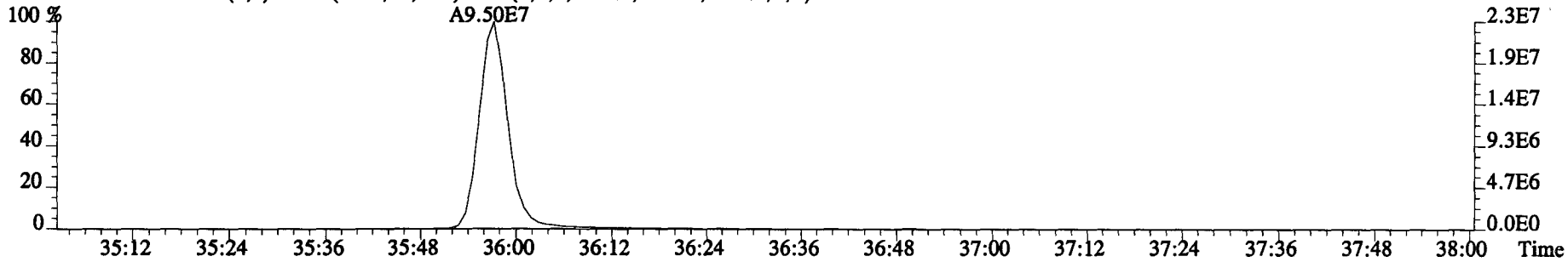
459.7348 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2864.0,1.00%,F,T)



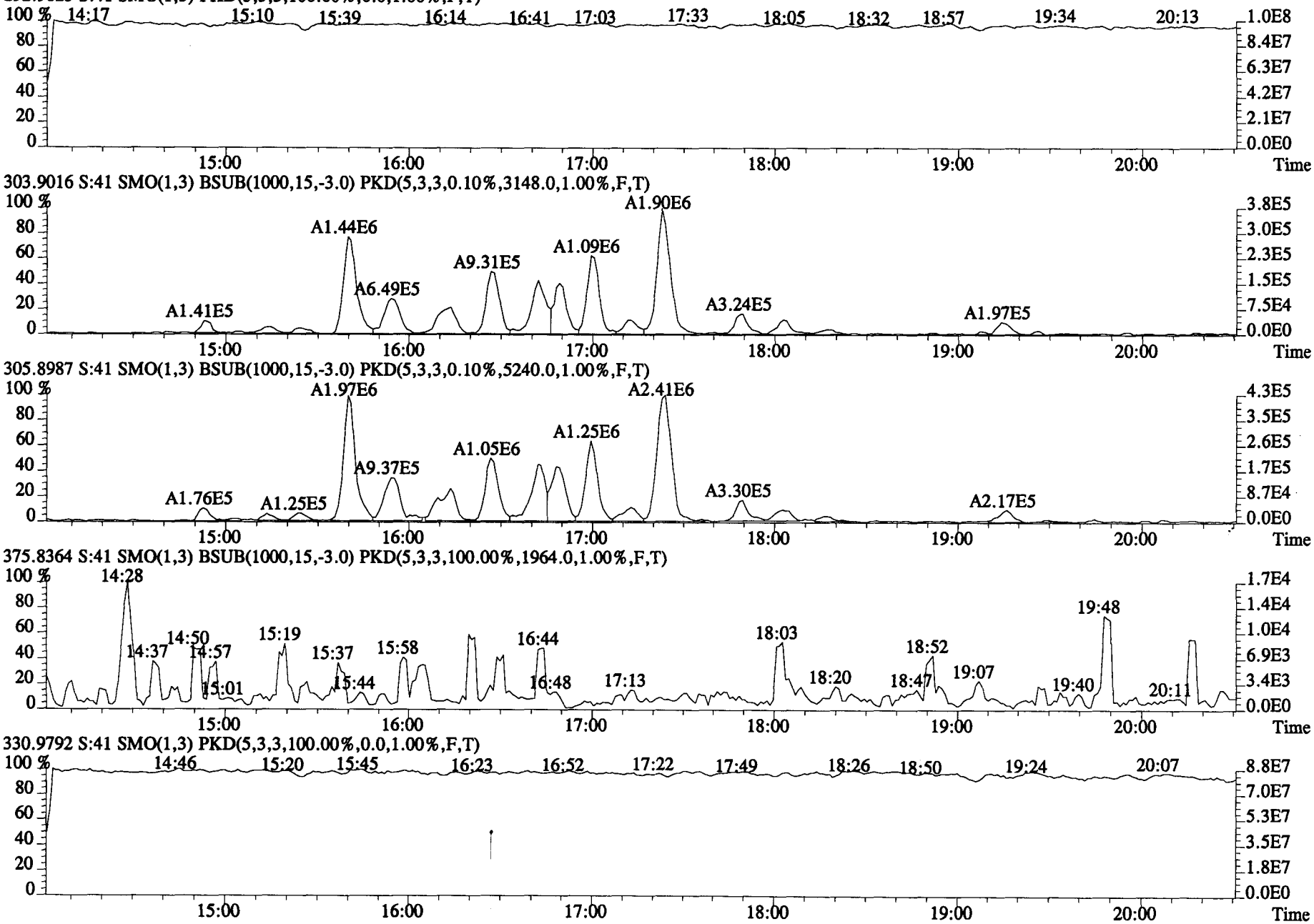
469.7779 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7012.0,1.00%,F,T)



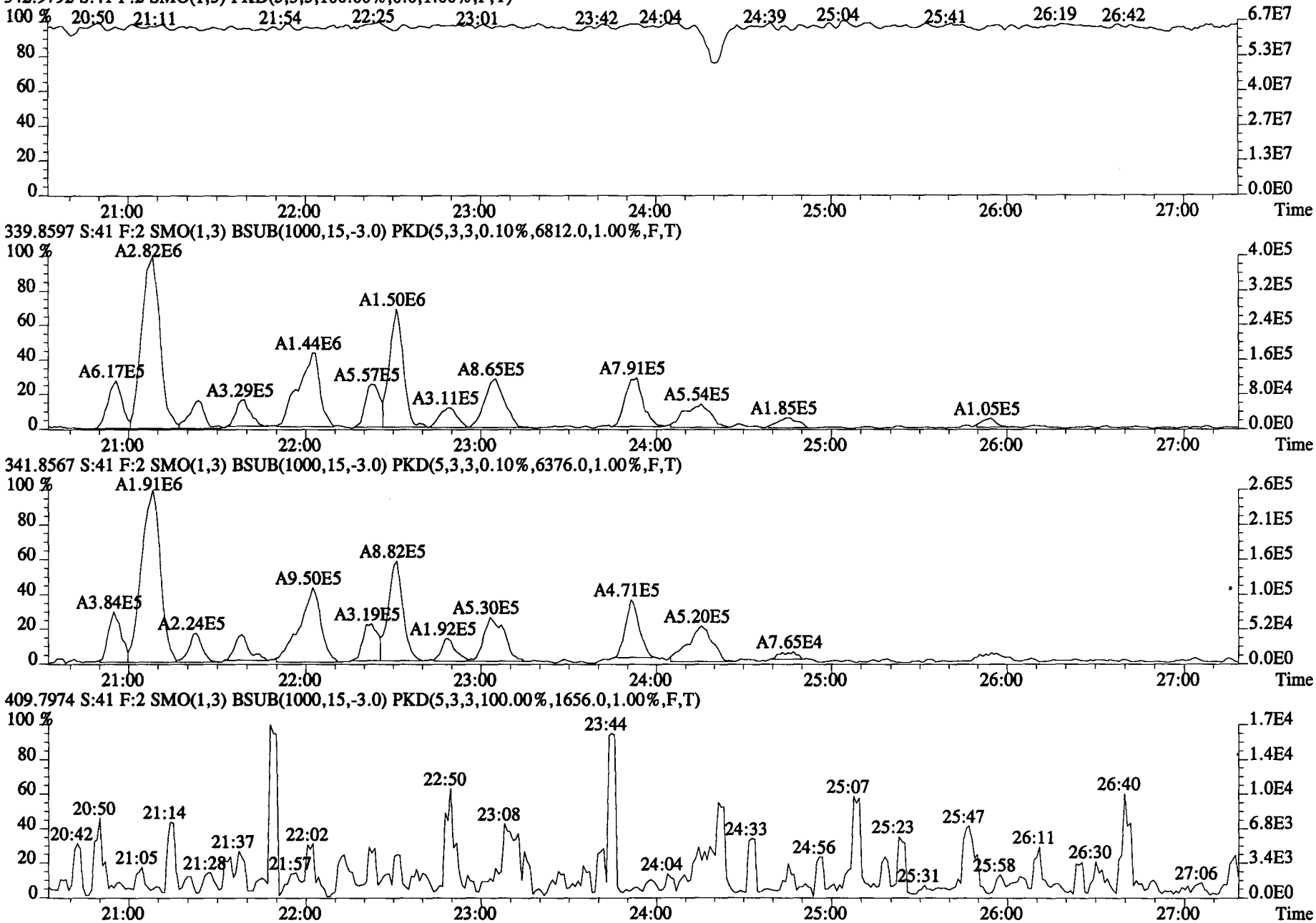
471.7750 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7996.0,1.00%,F,T)



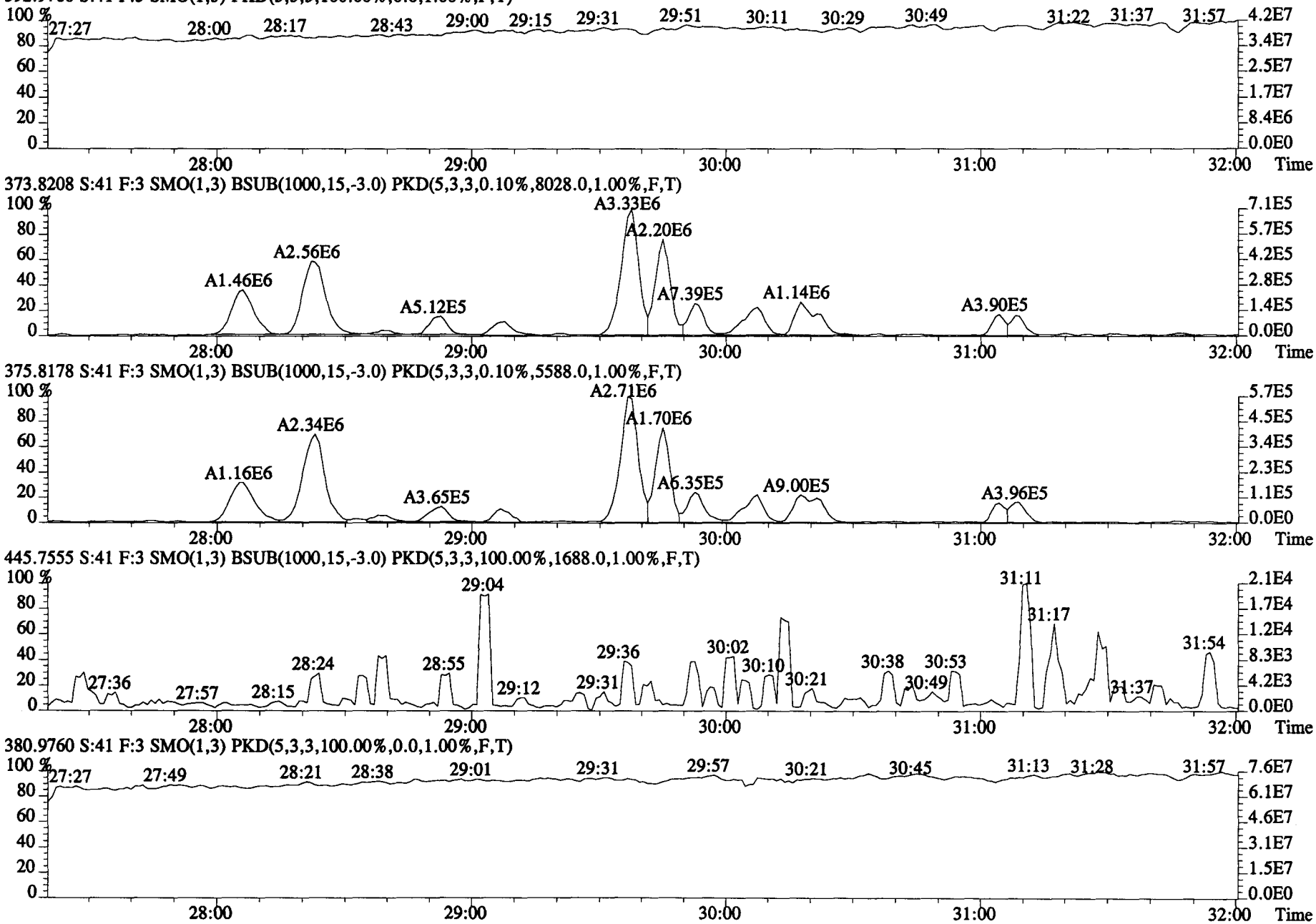
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



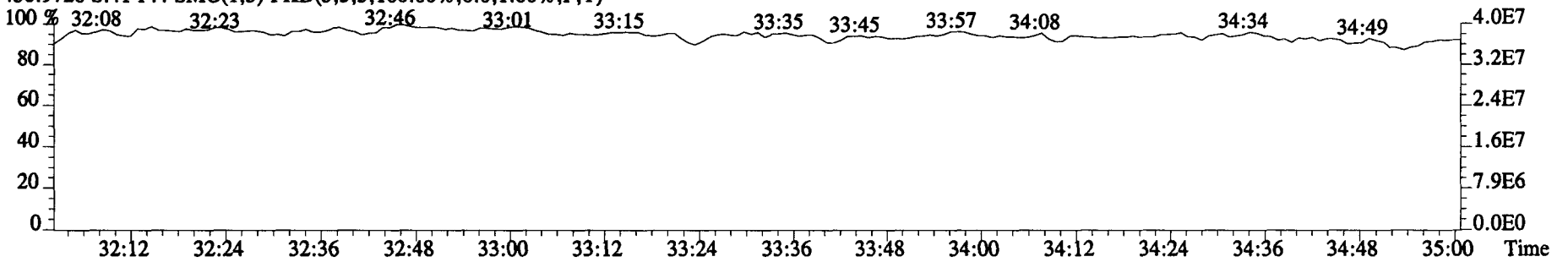
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



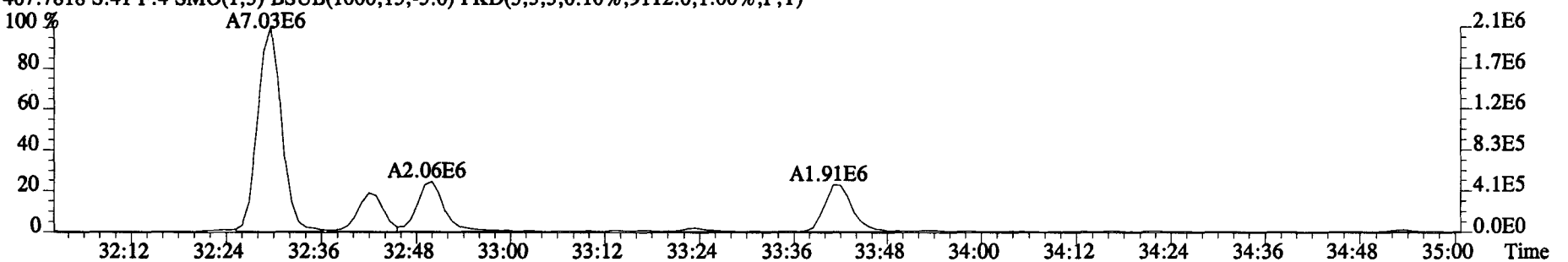
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES



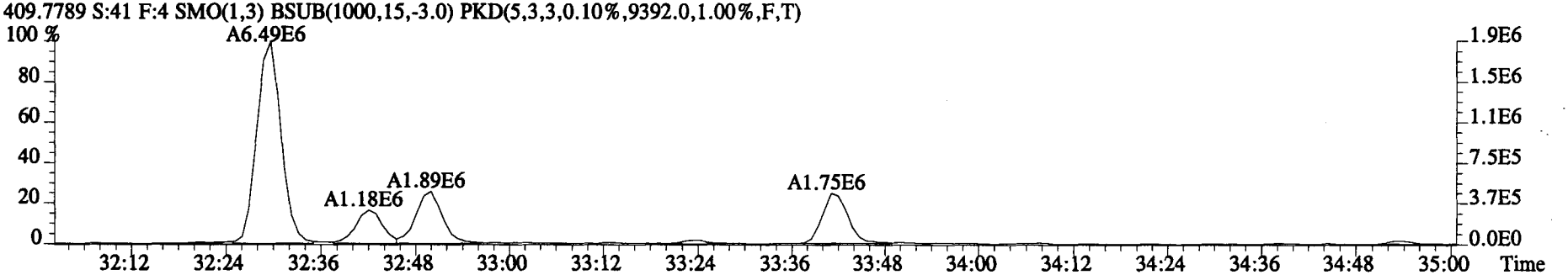
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES
430.9728 S:41 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



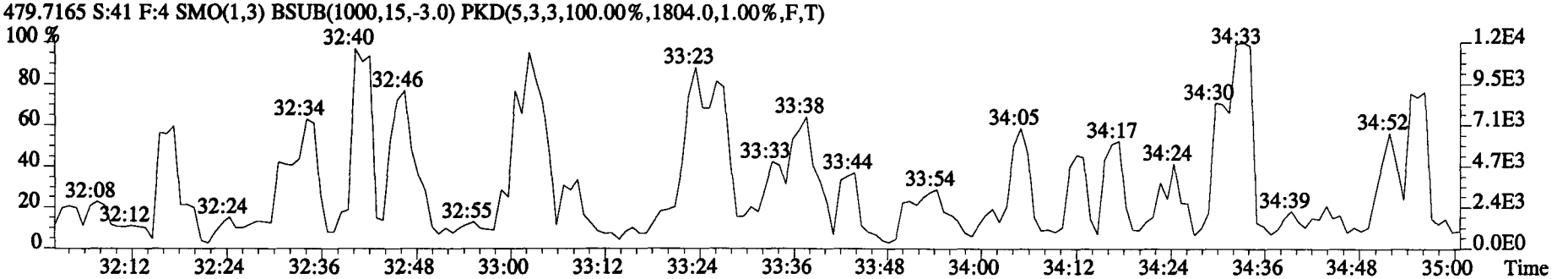
407.7818 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9112.0,1.00%,F,T)



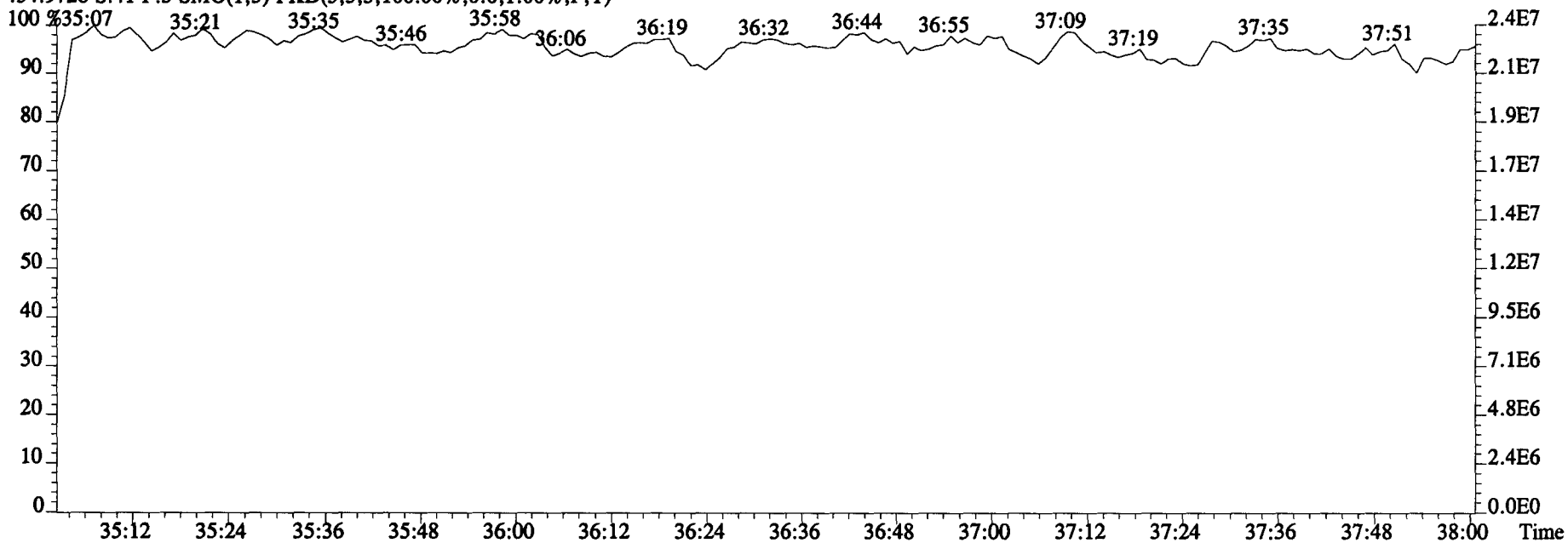
409.7789 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9392.0,1.00%,F,T)



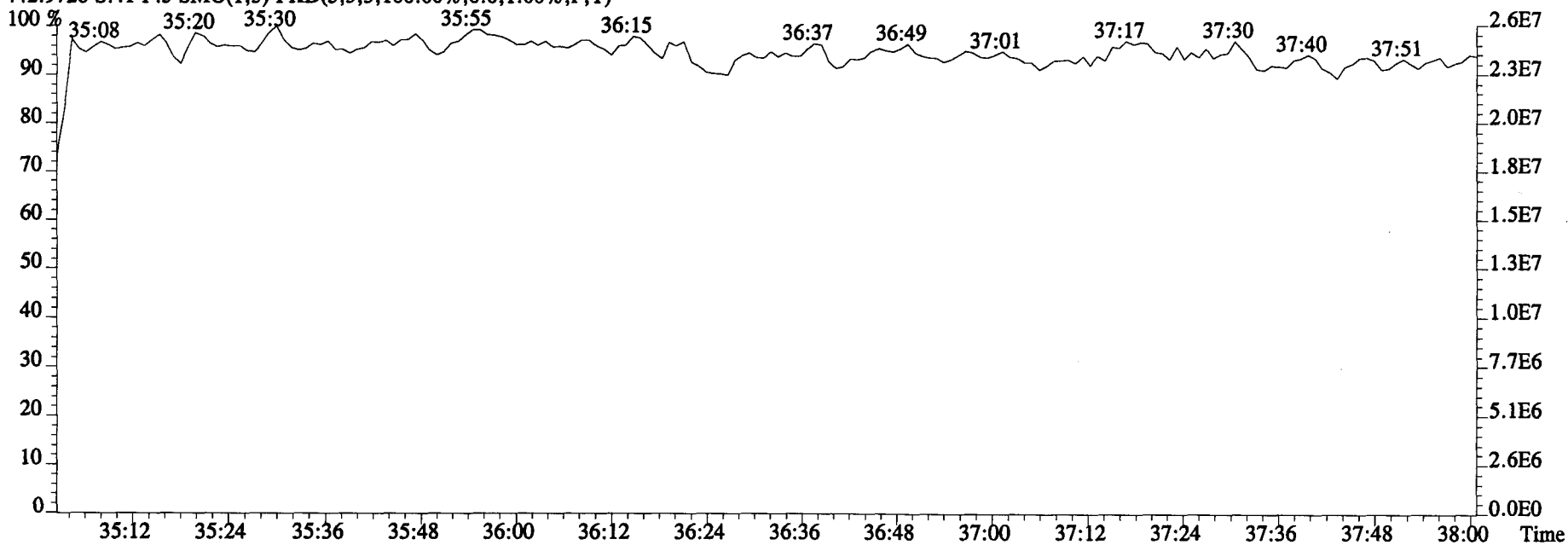
479.7165 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1804.0,1.00%,F,T)



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 04:17:19 GC EI+ Voltage SIR 70SE
Sample#41 Text:L6646-1-AA :G0I180489-5 Exp:DIOXINRES
454.9728 S:41 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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



Run text: L6646-1-AA Sample text: L6646-1-AA :G0I180489-5
Run #9 Filename: 24SE105D2 S: 5 I: 1 Results: 24SE105D2DB225AIR
Acquired: 24-SEP-10 11:41:50 Processed: 24-SEP-10 12:32:45
Run: 24SE105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Factor 1:4000.000 Factor 2:20.000 Sample size: 0.50 SAMP

Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	148322504	0.78	y	15:07	-	251.182		-	-	n
13C-2,3,7,8-TCDF	211406832	0.79	y	16:20	2.11	2700.293		9.161	67.5	n
2,3,7,8-TCDF	1058513	0.78	y	16:21	1.06	18.964	J	4.076	-	n
13C-2,3,7,8-TCDD	120821420	0.76	y	14:48	0.88	3682.920		18.686	92.1	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.64	*		5.079	-	n
37Cl-2,3,7,8-TCDD	69881416	1.00	y	14:49	1.46	1586.622		8.434	39.7	n

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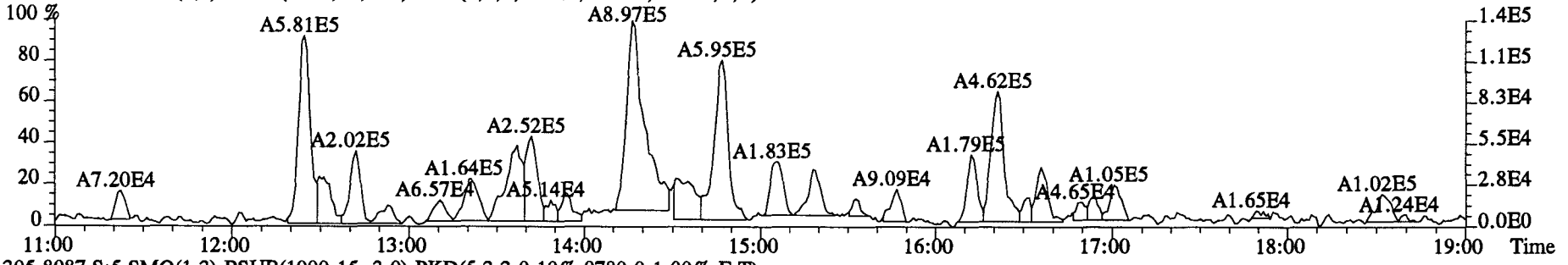
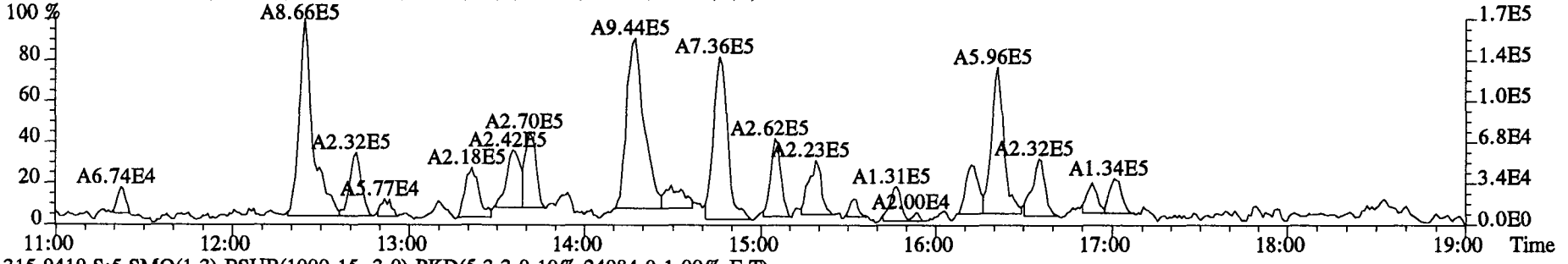
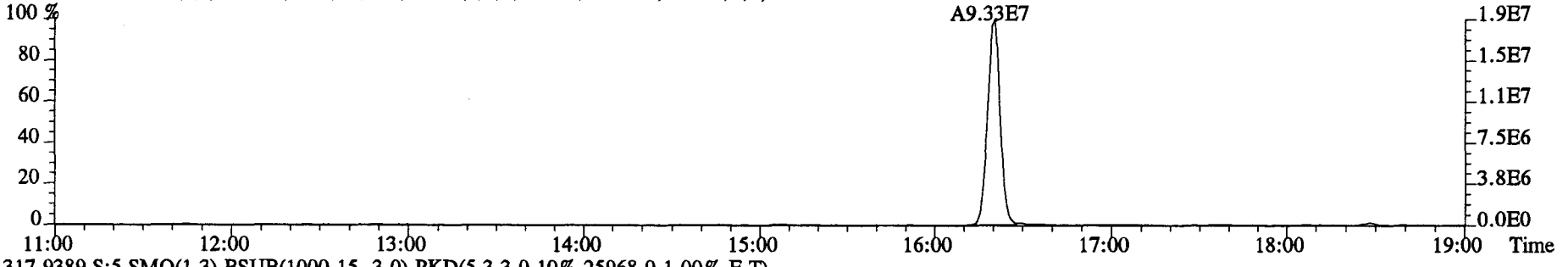
File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:41:50 GC EI+ Voltage SIR 70SE
Sample#5 Text:L6646-1-AA :G0I180489-5 Exp:DB225RES
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5424.0,1.00%,F,T)



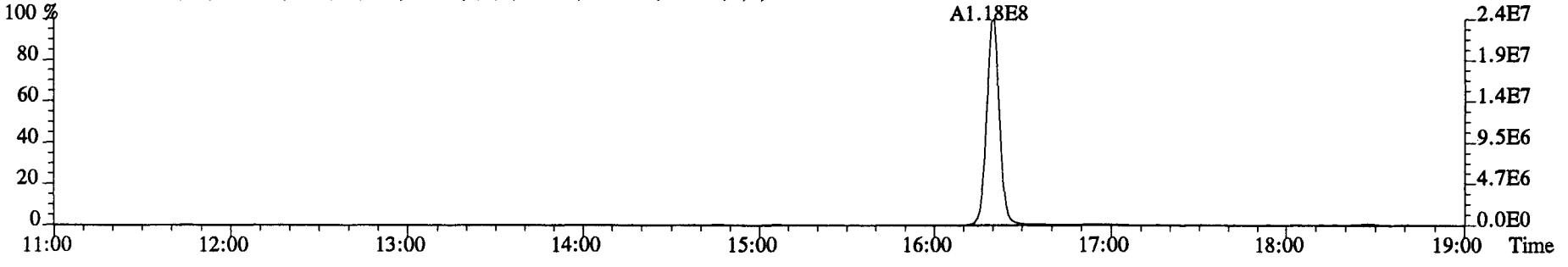
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9780.0,1.00%,F,T)



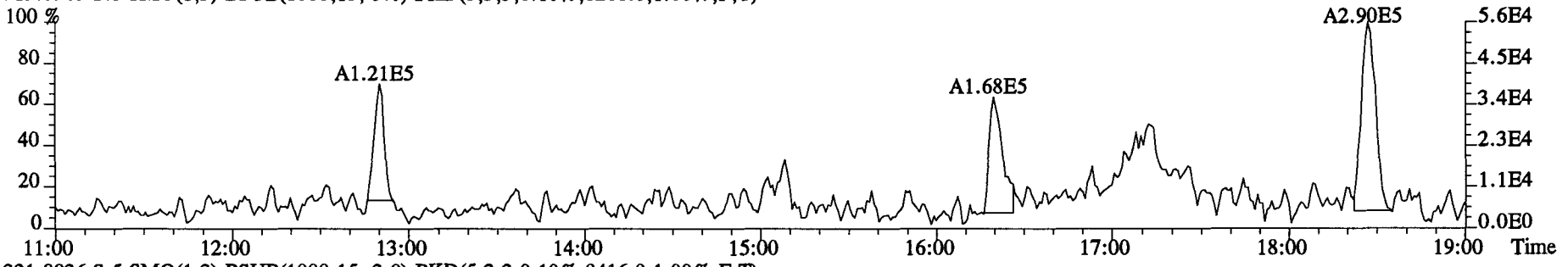
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24984.0,1.00%,F,T)



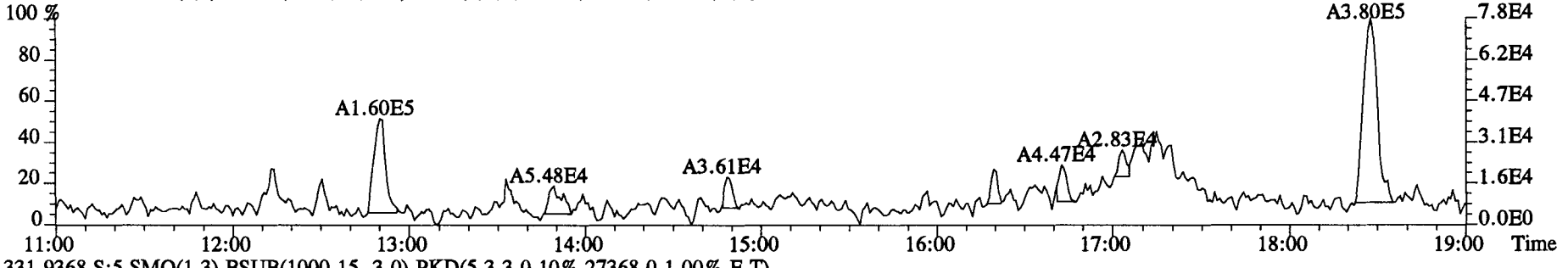
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25968.0,1.00%,F,T)



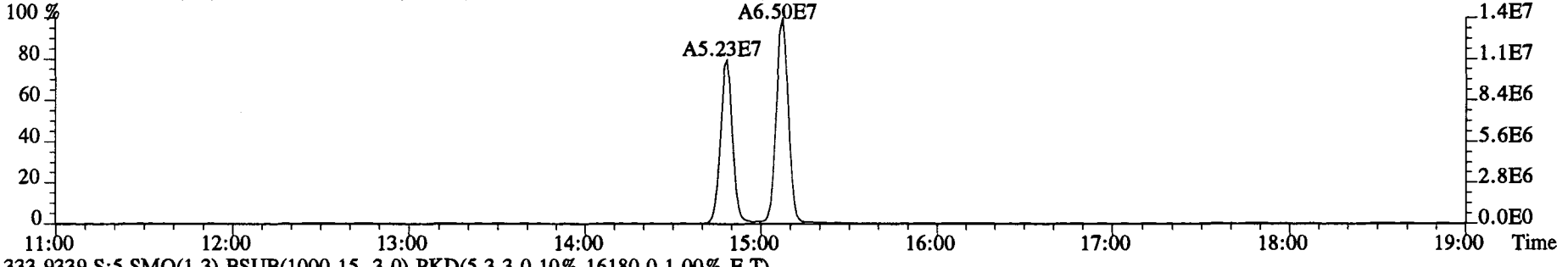
File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:41:50 GC EI+ Voltage SIR 70SE
Sample#5 Text:L6646-1-AA :G0I180489-5 Exp:DB225RES
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8288.0,1.00%,F,T)



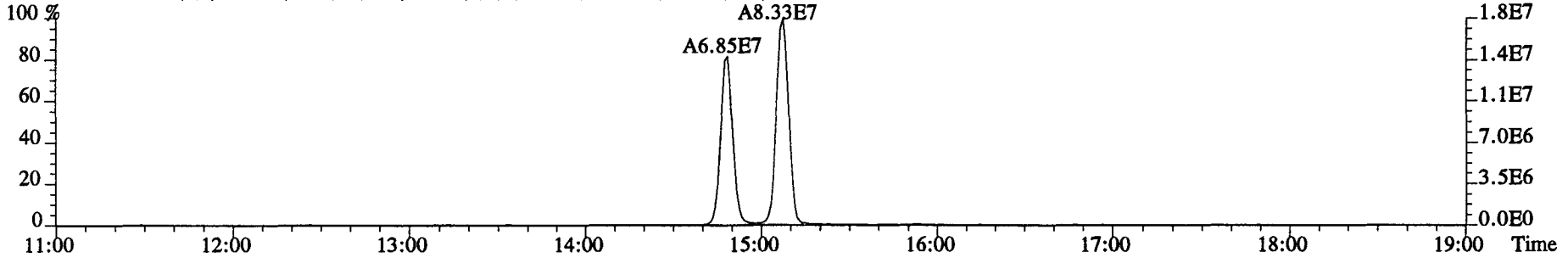
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9416.0,1.00%,F,T)



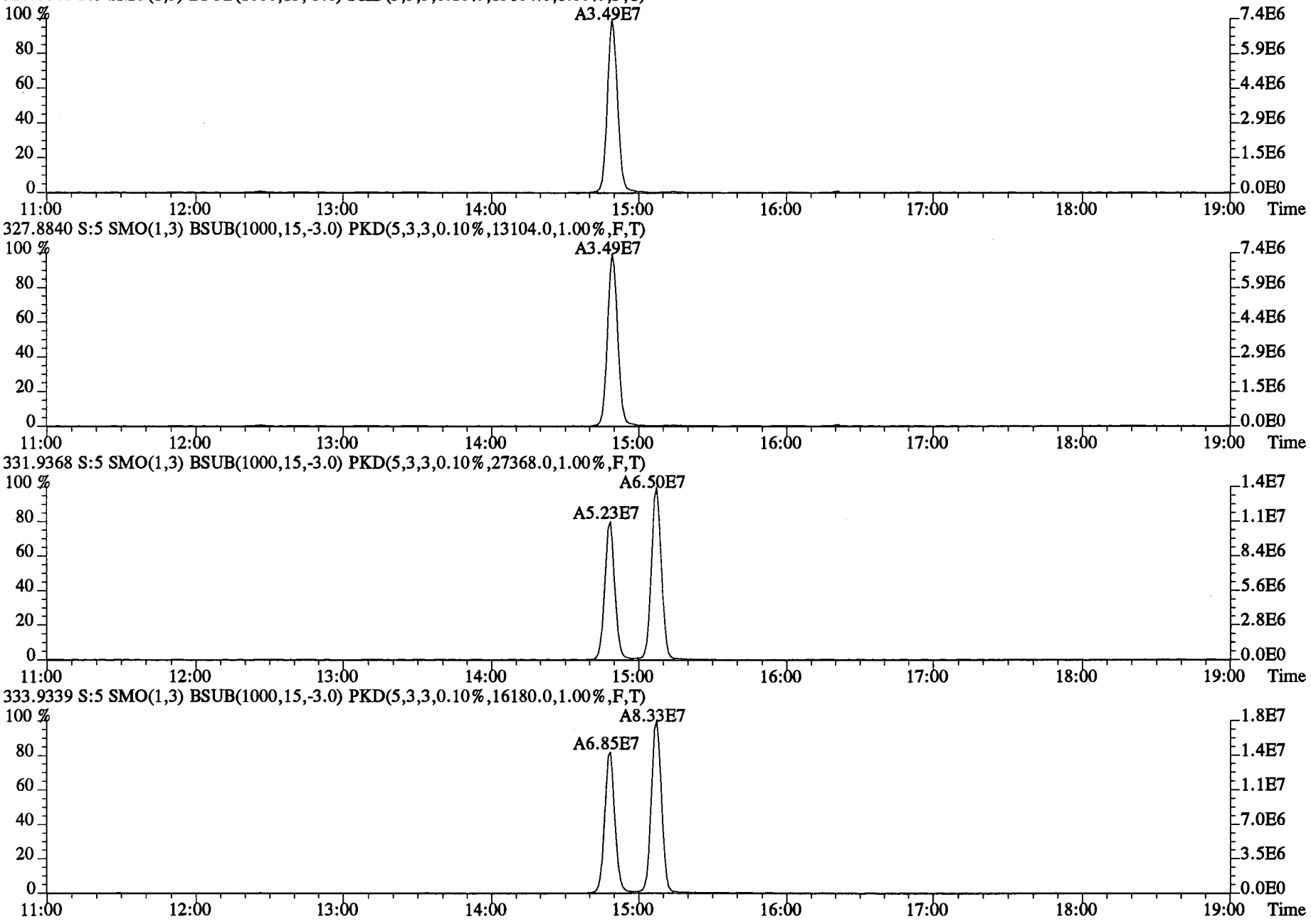
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27368.0,1.00%,F,T)



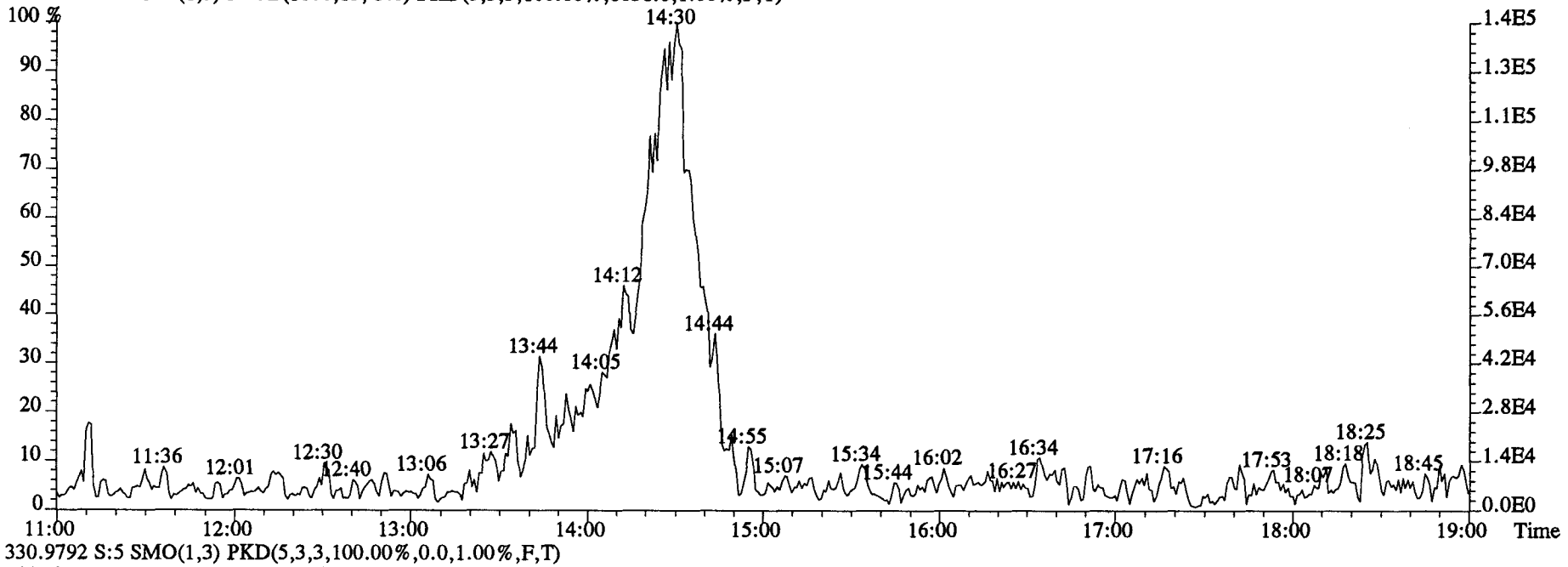
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16180.0,1.00%,F,T)



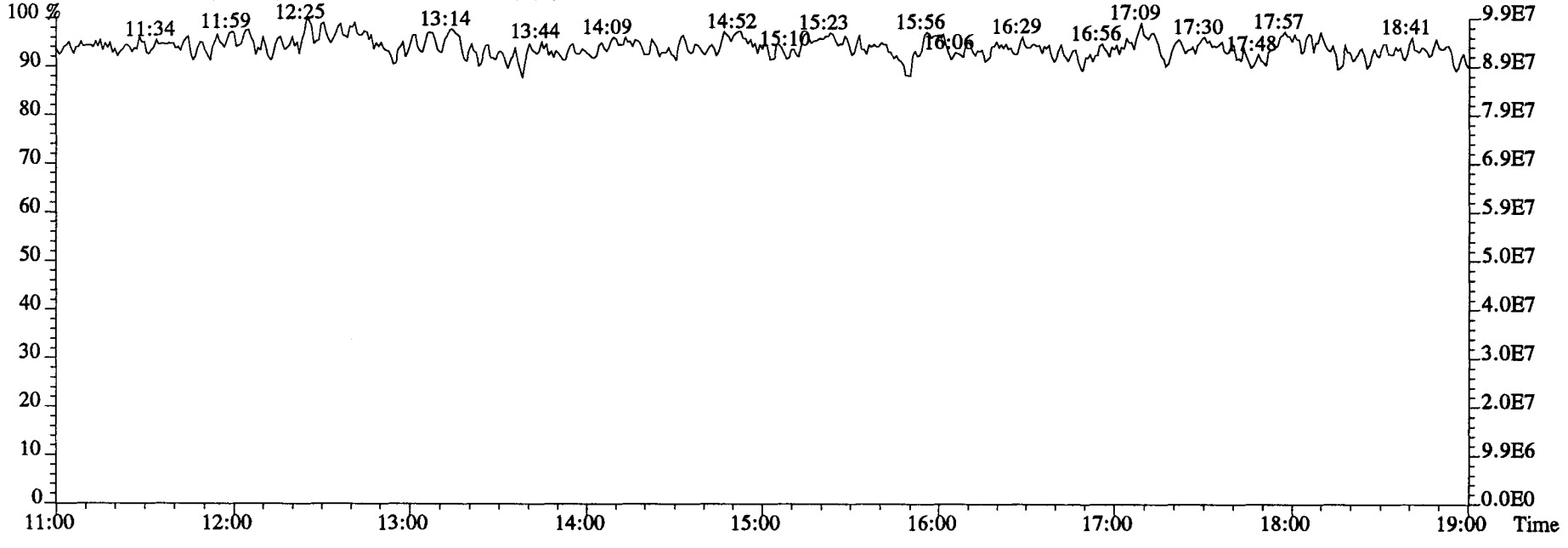
File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:41:50 GC EI+ Voltage SIR 70SE
Sample#5 Text:L6646-1-AA :G0I180489-5 Exp:DB225RES



File:24SE105D2 #1-1242 Acq:24-SEP-2010 11:41:50 GC EI+ Voltage SIR 70SE
Sample#5 Text:L6646-1-AA :G0I180489-5 Exp:DB225RES
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,8056.0,1.00%,F,T)



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



Run text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6
Run #16 Filename: 22SE10B1D5 S: 42 I: 1 Results: 22se10b1d5to9
Acquired: 24-SEP-10 05:00:16 Processed: 24-SEP-10 08:34:29
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.50 Samp

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Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	443649000	0.82	y	17:54	-	253.92	-	-	n
13C-2,3,7,8-TCDF	639080000	0.81	y	17:23	1.56	3686.36	1.34	92.2	n
2,3,7,8-TCDF	8075430	0.83	y	17:25	0.98	51.38 SCEDB225	0.86	-	n
Total TCDF	48439556	0.80	y	14:55	0.98	~~308.19~~ 307.93 ✓	0.86	-	n
13C-2,3,7,8-TCDD	380288000	0.80	y	18:06	0.92	3723.28	2.78	93.1	n
2,3,7,8-TCDD	184748	0.53	n	18:07	1.03	1.88 JQ	1.16	-	n
Total TCDD	2934456	0.78	y	15:27	1.03	~~29.92~~ 23.30 ✓	1.16	-	n
37Cl-2,3,7,8-TCDD	208350000	1.00	y	18:07	1.23	1787.12	1.31	111.7	n
13C-1,2,3,7,8-PeCDF	464027000	1.65	y	22:29	1.05	3974.82	1.33	99.4	n
1,2,3,7,8-PeCDF	4743900	1.44	y	22:30	1.09	37.44 J ✓	1.94	-	n
2,3,4,7,8-PeCDF	2248225	1.76	y	23:50	1.02	19.04 ✓	2.08	-	n
Total F2 PeCDF	32556885	1.56	y	20:56	1.05	~~265.39~~ 273.93	2.01	-	n
Total F1 PeCDF	2750264	0.85	n	14:34	1.05	~~22.47~~	0.85	-	n
13C-1,2,3,7,8-PeCDD	261403900	1.70	y	24:33	0.56	4202.17 NM 9/24/2010	1.03	105.1	n
1,2,3,7,8-PeCDD	163943	1.52	y	24:34	1.07	2.34 J 20.55	1.99	-	n
Total PeCDD	2063124	1.66	y	21:19	1.07	~~29.50~~ 28.01	1.99	-	n
13C-1,2,3,7,8,9-HxCDD	364479000	1.29	y	30:51	-	222.09	-	-	n
13C-1,2,3,4,7,8-HxCDF	377244000	0.52	y	29:35	0.99	4178.34	4.22	104.5	n
1,2,3,4,7,8-HxCDF	6937420	1.28	y	29:36	1.26	58.34 J	1.61	-	y
1,2,3,6,7,8-HxCDF	6148430	1.30	y	29:44	1.53	42.58	1.32	-	y
2,3,4,6,7,8-HxCDF	1435419	1.35	y	30:20	1.41	10.81	1.44	-	y
1,2,3,7,8,9-HxCDF	952409	1.32	y	31:03	1.40	7.23 ✓	1.45	-	n
Total HxCDF	41842205	1.37	y	28:04	1.40	~~318.83~~ 300.70 ✓	1.45	-	y
13C-1,2,3,6,7,8-HxCDD	277957000	1.26	y	30:34	0.74	4125.09	2.16	103.1	n
1,2,3,4,7,8-HxCDD	106703	1.36	y	30:31	1.12	1.37 J	0.84	-	y
1,2,3,6,7,8-HxCDD	226377	0.90	n	30:35	1.14	2.85 JQ	0.83	-	y
1,2,3,7,8,9-HxCDD	337225	1.33	y	30:52	1.35	3.58 J	0.70	-	n
Total HxCDD	2631638	0.48	n	28:14	1.20	~~31.23~~ 29.29 ✓	0.78	-	y
13C-1,2,3,4,6,7,8-HpCDF	299847500	0.46	y	32:28	0.96	3441.77	7.32	86.0	n
1,2,3,4,6,7,8-HpCDF	20580750	1.12	y	32:29	1.41	✓ 194.97	1.39	-	n
1,2,3,4,7,8,9-HpCDF	5866640	1.08	y	33:40	1.24	63.33 J ✓	1.58	-	n
Total HpCDF	37029796	1.12	y	32:29	1.32	~~365.09~~ 359.76 ✓	1.48	-	n
13C-1,2,3,4,6,7,8-HpCDD	228125000	1.08	y	33:20	0.71	3515.27	4.72	87.9	n
1,2,3,4,6,7,8-HpCDD	1156148	1.24	n	33:22	1.13	17.87 JQ ✓	1.19	-	n
Total HpCDD	2147825	2.42	n	32:28	1.13	~~33.20~~ 27.80	1.19	-	n
13C-OCDD	207923100	0.91	y	35:55	0.35	6469.99	2.59	80.9	n
OCDF	22392800	0.86	y	36:03	2.12	V406.88	2.19	-	n

OCDD	931397	0.93	y	35:56	1.37	26.14	5	2.13	-	n

Run text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6
Run #16 Filename: 22SE10B1D5 S: 42 I: 1 Results: 22SE10B1D5TO9
Acquired: 24-SEP-10 05:00:16 Processed: 24-SEP-10 08:34:29
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5
Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	443649000	0.82	y	17:54	-	253.92	-	-	n
13C-2,3,7,8-TCDF	639080000	0.81	y	17:23	1.56	3686.36	1.34	92.2	n
2,3,7,8-TCDF	8075430	0.83	y	17:25	0.98	51.38	0.86	-	n
Total TCDF	48439556	0.80	y	14:55	0.98	308.19	0.86	-	n
13C-2,3,7,8-TCDD	380288000	0.80	y	18:06	0.92	3723.28	2.78	93.1	n
2,3,7,8-TCDD	184748	0.53	n	18:07	1.03	1.88	1.16	-	n
Total TCDD	2934456	0.78	y	15:27	1.03	29.92	1.16	-	n
37Cl-2,3,7,8-TCDD	208350000	1.00	y	18:07	1.23	1787.12	1.31	111.7	n
13C-1,2,3,7,8-PeCDF	464027000	1.65	y	22:29	1.05	3974.82	1.33	99.4	n
1,2,3,7,8-PeCDF	4743900	1.44	y	22:30	1.09	37.44	1.94	-	n
2,3,4,7,8-PeCDF	2248225	1.76	y	23:50	1.02	19.04	2.08	-	n
Total F2 PeCDF	32556885	1.56	y	20:56	1.05	265.39	2.01	-	n
Total F1 PeCDF	2750264	0.85	n	14:34	1.05	22.47	0.85	-	n
13C-1,2,3,7,8-PeCDD	261403900	1.70	y	24:33	0.56	4202.17	1.03	105.1	n
1,2,3,7,8-PeCDD	163943	1.52	y	24:34	1.07	2.34	1.99	-	n
Total PeCDD	2063124	1.66	y	21:19	1.07	29.50	1.99	-	n
13C-1,2,3,7,8,9-HxCDD	364479000	1.29	y	30:51	-	222.09	-	-	n
13C-1,2,3,4,7,8-HxCDF	377244000	0.52	y	29:35	0.99	4178.34	4.22	104.5	n
1,2,3,4,7,8-HxCDF	9709010	1.31	y	29:36	1.26	81.64	1.61	-	n
1,2,3,6,7,8-HxCDF	6112490	1.32	y	29:44	1.53	42.33	1.32	-	n
2,3,4,6,7,8-HxCDF	3221680	1.20	y	30:17	1.41	24.27	1.44	-	n
1,2,3,7,8,9-HxCDF	952409	1.32	y	31:03	1.40	7.23	1.45	-	n
Total HxCDF	41616145	1.37	y	28:04	1.40	319.36	1.45	-	n
13C-1,2,3,6,7,8-HxCDD	277957000	1.26	y	30:34	0.74	4125.09	2.16	103.1	n
1,2,3,4,7,8-HxCDD	365834	1.20	y	30:35	1.12	4.70	0.84	-	n
1,2,3,6,7,8-HxCDD	365834	1.20	y	30:35	1.14	4.61	0.83	-	n
1,2,3,7,8,9-HxCDD	337225	1.33	y	30:52	1.35	3.58	0.70	-	n
Total HxCDD	2664388	0.48	n	28:14	1.20	31.62	0.78	-	n
13C-1,2,3,4,6,7,8-HpCDF	299847500	0.46	y	32:28	0.96	3441.77	7.32	86.0	n
1,2,3,4,6,7,8-HpCDF	20580750	1.12	y	32:29	1.41	194.97	1.39	-	n
1,2,3,4,7,8,9-HpCDF	5866640	1.08	y	33:40	1.24	63.33	1.58	-	n
Total HpCDF	37029796	1.12	y	32:29	1.32	365.09	1.48	-	n
13C-1,2,3,4,6,7,8-HpCDD	228125000	1.08	y	33:20	0.71	3515.27	4.72	87.9	n
1,2,3,4,6,7,8-HpCDD	1156148	1.24	n	33:22	1.13	17.87	1.19	-	n
Total HpCDD	2147825	2.42	n	32:28	1.13	33.20	1.19	-	n
13C-OCDD	207923100	0.91	y	35:55	0.35	6469.99	2.59	80.9	n
OCDF	22392800	0.86	y	36:03	2.12	406.88	2.19	-	n
OCDD	931397	0.93	y	35:56	1.37	26.14	2.13	-	n

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:16
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	154.09 of which	25.69 named and	128.41 unnamed
Conc:	308.19 of which	51.38 named and	256.81 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:55	0.80	y	14.55	1013790	60.4	y	n
						1272870	51.0	y	n
	2	15:05	0.58	n	0.26	17780	1.3	n	n
						30824	1.5	n	n
	3	15:15	0.83	y	5.65	403867	22.6	y	n
						484211	18.7	y	n
	4	15:25	0.94	n	4.45	372416	18.8	y	n
						395313	14.1	y	n
	5	15:42	0.78	y	51.32	3539200	163.5	y	n
						4526640	152.2	y	n
	6	15:56	0.76	y	27.06	1831030	75.0	y	n
						2422580	72.2	y	n
	7	16:14	0.85	y	22.98	1662010	50.3	y	n
						1949270	42.7	y	n
	8	16:29	0.73	y	29.04	1921630	96.2	y	n
						2642020	90.9	y	n
	9	16:44	0.72	y	25.82	1703170	75.1	y	n
						2354790	71.2	y	n
	10	16:50	0.83	y	22.59	1605290	76.7	y	n
						1944740	61.7	y	n
	11	17:01	0.87	y	29.93	2184380	109.2	y	n
						2520120	89.6	y	n
	12	17:14	0.75	y	6.47	434428	18.7	y	n
						581708	15.3	y	n
2,3,7,8-TCDF	13	17:25	0.83	y	51.38	3658650	155.9	y	n
						4416780	131.4	y	n
	14	17:50	0.82	y	8.13	577159	29.9	y	n
						701210	22.6	y	n
	15	18:05	0.84	y	4.36	313416	14.5	y	n
						372530	10.1	y	n

	16	19:15	0.86	y	4.21	306563	13.2	y	n
						354929	10.7	y	n

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:13
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	14.96 of which	0.94 named and	14.02	unnamed
Conc:	29.92 of which	1.88 named and	28.04	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	15:27	0.78	y	0.87	37306	1.9	n	n
						47843	2.1	n	n
	2	15:51	0.65	y	5.27	204626	12.6	y	n
						312609	19.3	y	n
	3	16:09	0.80	y	9.93	431993	23.2	y	n
						542384	33.6	y	n
	4	16:22	0.50	n	0.79	33520	2.0	n	n
						67192	3.2	y	n
	5	16:27	0.33	n	0.52	22081	1.0	n	n
						67192	3.2	y	n
	6	16:58	0.76	y	3.61	153141	7.3	y	n
						200527	8.2	y	n
	7	17:13	1.22	n	1.24 S/N	83636	3.8	y	n
						68705	3.1	y	n
	8	17:23	5.61	n	0.84	106569	5.9	y	n
						19002	1.3	n	n
	9	17:35	0.26	n	0.81	34455	2.5	n	n
						130269	4.2	y	n
	10	18:01	0.96	n	2.61	138937	5.7	y	n
						144901	8.0	y	n
2,3,7,8-TCDD	11	18:07	0.53	n	1.88	80371	3.1	y	n
						151066	8.3	y	n
	12	18:17	0.88	y	0.97	44294	2.6	n	n
						50502	2.4	n	n
	13	18:28	1.14	n	1.08	68366	3.4	y	n
						59747	3.7	y	n

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:13
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	132.69 of which	28.24 named and	104.45 unnamed
Conc:	265.39 of which	56.49 named and	208.90 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?	
	1	20:56	1.56	y	16.55	1235510	35.7	y	n	
						789717	20.8	y	n	
	2	21:08	1.59	y	75.77	5694740	121.3	y	n	
						3577660	65.4	y	n	
	3	21:23	1.90	n	8.84	807131	19.0	y	n	
						424285	9.1	y	n	
	4	21:39	1.61	y	9.97	752937	16.3	y	n	
						467069	8.2	y	n	
	5	22:01	1.61	y	36.38	2746340	54.6	y	n	
						1705880	23.9	y	n	
	6	22:21	1.59	y	12.91	969968	29.7	y	n	
						610530	12.6	y	n	
1,2,3,7,8-PeCDF	7	22:30	1.44	y	37.44	2796520	74.6	y	n	
						1947380	40.9	y	n	
	8	22:48	1.44	y	7.71	556105	12.5	y	n	0
						387130	8.0	y	n	
	9	23:03	1.39	y	20.84	1483850	28.8	y	n	
						1066880	16.9	y	n	
2,3,4,7,8-PeCDF	10	23:50	1.76	y	19.04	1433390	32.8	y	n	
						814835	15.4	y	n	
	11	24:12	1.16	n	13.64	1014340	13.9	y	n	
						876664	11.6	y	n	
	12	24:42	1.80	n	2.19	189662	5.1	y	n	
						105201	3.0	y	n	
	13	25:51	1.41	y	4.10	293685	6.1	y	n	
						207817	3.2	y	n	

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:5
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16

Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	11.24 of which	* named and	11.24	unnamed	
Conc:	22.47 of which	* named and	22.47	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	14:34	0.85	n	0.17	12607	1.3	n	n
						14757	1.3	n	n
	2	15:26	0.77	n	2.74	204106	21.2	y	n
						264171	18.9	y	n
	3	19:06	0.89	n	3.05	226909	16.8	y	n
						255191	14.7	y	n
	4	19:33	1.77	y	16.25	1270130	95.9	y	n
						718950	34.7	y	n
	5	20:27	1.00	n	0.26	19058	2.1	n	n
						19075	1.4	n	n

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:7
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	14.75 of which	1.17 named and	13.58	unnamed	
Conc:	29.50 of which	2.34 named and	27.15	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	21:19	1.66	y	6.77	295796	9.2	y	n
						177859	9.4	y	n
	2	22:31	1.66	y	6.29	274915	9.3	y	n
						165404	8.5	y	n
	3	22:48	1.33	y	1.24	49762	3.2	y	n
						37289	1.8	n	n
	4	23:05	1.13	n	5.15	218938	9.4	y	n
						193442	7.9	y	n
	5	23:47	0.84	n	0.25	10815	0.7	n	n
						12914	1.2	n	n
	6	24:15	2.67	n	7.44 DT	545381	16.9	y	n
						203990	11.1	y	n
1,2,3,7,8-PeCDD	7	24:34	1.52	y	2.34	98810	3.5	y	n
						65133	3.5	y	n

See 6A

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:13
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	159.68 of which	77.74 named and	81.94 unnamed
Conc:	319.36 of which	155.48 named and	163.88 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:04	1.37	y	35.24	2688380	64.0	y	n
						1961470	35.7	y	n
	2	28:21	1.25	y	62.12	4547460	111.4	y	n
						3647970	69.4	y	n
	3	28:37	1.16	y	3.85	273329	7.3	y	n
						234933	4.9	y	n
	4	28:51	1.19	y	10.68	766420	21.6	y	n
						642798	15.0	y	n
	5	29:06	1.58	n	7.40	688187	19.2	y	n
						435975	10.9	y	n
1,2,3,4,7,8-HxCDF	6	29:36	1.31	y	81.64	5511300	164.8	y	n
						4197710	103.4	y	n
1,2,3,6,7,8-HxCDF	7	29:44	1.32	y	42.33	3480480	122.3	y	n
						2632010	71.4	y	n
	8	29:51	1.18	y	16.82	1202820	40.2	y	n
						1016220	28.2	y	n
	9	30:05	1.20	y	17.57	1262750	31.1	y	n
						1055770	23.4	y	n
2,3,4,6,7,8-HxCDF	10	30:17	1.20	y	24.27	1757210	39.7	y	n
						1464470	26.3	y	n
1,2,3,7,8,9-HxCDF	11	31:03	1.32	y	7.23	542760	21.9	y	n
						409649	12.4	y	n
	12	31:08	1.36	y	9.62	732775	25.5	y	n
						537004	15.0	y	n
	13	31:45	2.48	n	0.56	81698	2.7	n	n
						32979	1.1	n	n

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:15
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16

6A

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:15
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	159.42 of which	59.48 named and	99.93 unnamed
Conc:	318.83 of which	118.96 named and	199.87 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:04	1.37	y	35.24	2688380	64.0	y	n
						1961470	35.7	y	n
	2	28:21	1.25	y	62.12	4547460	111.4	y	n
						3647970	69.4	y	n
	3	28:37	1.16	y	3.85	273328	7.3	y	n
						234932	4.9	y	n
	4	28:51	1.19	y	10.68	766419	21.6	y	n
						642798	15.0	y	n
	5	29:06	1.58	n	7.40	688187	19.2	y	n
						435975	10.9	y	n
	6	29:34	1.37	y	22.24	1697010	92.5	y	y
						1237090	56.4	y	y
1,2,3,4,7,8-HxCDF	7	29:36	1.28	y	58.34	3899120	165.8	y	y
						3038300	104.1	y	y
1,2,3,6,7,8-HxCDF	8	29:44	1.30	y	42.58	3480480	122.3	y	n
						2667950	72.0	y	y
	9	29:51	1.13	y	17.22	1202820	40.2	y	n
						1068770	28.8	y	y
	10	30:05	1.20	y	17.57	1262760	31.1	y	n D
						1055770	23.4	y	n
	11	30:17	1.20	y	13.35	961711	40.1	y	y
						799601	25.8	y	y
2,3,4,6,7,8-HxCDF	12	30:20	1.35	y	10.81	825271	32.2	y	y
						610148	18.1	y	y
1,2,3,7,8,9-HxCDF	13	31:03	1.32	y	7.23	542759	21.9	y	n
						409650	12.4	y	n
	14	31:08	1.36	y	9.62	732774	25.5	y	n
						537007	15.0	y	n
	15	31:45	2.48	n	0.56	81696	2.7	n	y
						32979	1.1	n	n

Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1¶

Amount:	15.81 of which	4.10 named and	11.71	unnamed
Conc:	31.62 of which	8.20 named and	23.42	unnamed

See 7A

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:14	0.48	n	0.25	11503	1.7	n	n
						23830	1.7	n	n
	2	28:40	0.65	n	0.33	15085	1.4	n	n
						23310	1.9	n	n
	3	28:59	1.11	y	2.27	99739	12.2	y	n
						90130	4.2	y	n
	4	29:15	0.99	n	0.50	23145	2.4	n	n
						23415	2.0	n	n
	5	29:24	0.46	n	0.19	8866	1.6	n	n
						19176	1.7	n	n
	6	29:37	1.53	n	9.17	525765	39.9	y	n
						342757	15.5	y	n
	7	29:54	1.12	y	5.94	262628	30.7	y	n
						234614	13.6	y	n
	8	30:19	2.17	n	1.11	90092	12.4	y	n
						41431	2.6	n	n
1,2,3,6,7,8-HxCDD	9	30:35	1.20	y	4.61	199222	13.7	y	n
						166612	8.7	y	n
	10	30:44	1.09	y	0.40	17558	3.3	y	n
						16125	1.3	n	n
1,2,3,7,8,9-HxCDD	11	30:52	1.33	y	3.58	192657	23.8	y	n
						144568	8.2	y	n
	12	31:02	1.50	n	1.60	89241	12.1	y	n
						59676	2.9	n	n
	13	31:29	0.57	n	0.41	18912	2.1	n	n
						33464	1.6	n	n
	14	31:35	0.20	n	0.14	6622	1.0	n	n
						33464	1.6	n	n
	15	31:45	1.16	y	1.13	50733	7.6	y	n
						43562	2.3	n	n

7A

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:16
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22se10b1

Amount:	15.62 of which	3.91 named and	11.71 unnamed
Conc:	31.23 of which	7.81 named and	23.42 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	28:14	0.48	n	0.25	11503	1.7	n	n
						23830	1.7	n	n
	2	28:40	0.65	n	0.33	15085	1.4	n	n
						23311	1.9	n	n
	3	28:59	1.11	y	2.27	99739	12.2	y	n
						90129	4.2	y	n
	4	29:15	0.99	n	0.50	23145	2.4	n	n
						23415	2.0	n	n
	5	29:24	0.46	n	0.19	8866	1.6	n	n
						19176	1.7	n	n
	6	29:37	1.53	n	9.17	525764	39.9	y	n
						342758	15.5	y	n
	7	29:54	1.12	y	5.94	262628	30.7	y	n
						234614	13.6	y	n
	8	30:19	2.17	n	1.11	90092	12.4	y	n
						41431	2.6	n	n
1,2,3,4,7,8-HxCDD	9	30:31	1.36	y	1.37	61585	10.0	y	y
						45119	3.7	y	y
1,2,3,6,7,8-HxCDD	10	30:35	0.90	n	2.85	125316	13.7	y	y
						139434	9.0	y	y
	11	30:44	1.09	y	0.40	17558	3.3	y	n
						16125	1.3	n	n
1,2,3,7,8,9-HxCDD	12	30:52	1.33	y	3.58	192657	23.8	y	n
						144568	8.2	y	n
	13	31:02	1.50	n	1.60	89241	12.1	y	n
						59677	2.9	n	n
	14	31:29	0.57	n	0.41	18912	2.1	n	n
						33464	1.6	n	n
	15	31:35	0.20	n	0.14	6622	1.0	n	n
						33464	1.6	n	n

16	31:45	1.16	y	1.13	8W	50733		7.6	y n
						43562		2.3	n n

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:7
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

Amount:	182.54 of which	129.15 named and	53.39 unnamed
Conc:	365.09 of which	258.30 named and	106.79 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:29	1.12	y	194.97	10887100	421.2	y	n
						9693650	409.6	y	n
	2	32:41	1.08	y	40.87	2101180	77.5	y	n
						1949130	78.2	y	n
	3	32:49	1.06	y	60.59	3094980	108.7	y	n
						2909520	112.9	y	n
	4	33:22	0.78	n	2.60	141552	5.9	y	n
						182295	8.0	y	n
1,2,3,4,7,8,9-HpCDF	5	33:40	1.08	y	63.33	3046610	101.2	y	n
						2820030	108.6	y	n
	6	34:53	0.59	n	2.31	116510	4.7	y	n
						198216	6.8	y	n
	7	35:00	0.72	n	0.22	10909	0.6	n	n
						15185	1.3	n	n

Run Text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:5
Run: 16 File: 22SE10B1D5 S:42 Acq:24-SEP-10 05:00:16
Tables: Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1

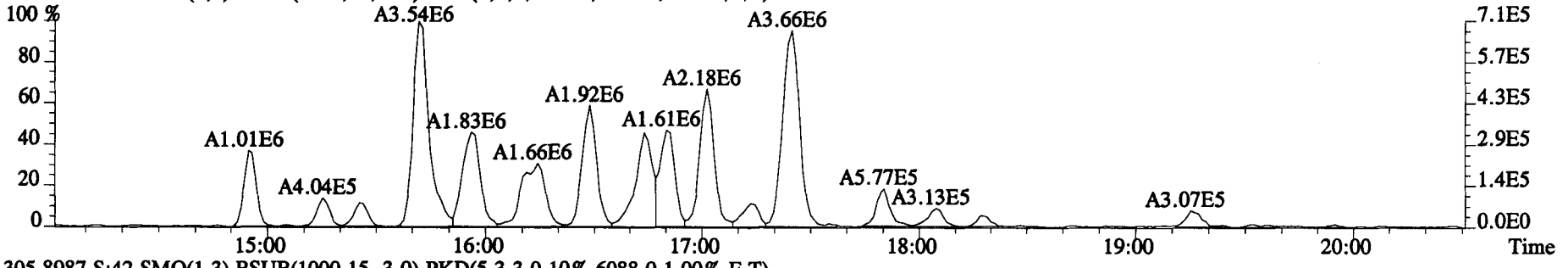
Amount:	16.60 of which	8.94 named and	7.66 unnamed
Conc:	33.20 of which	17.87 named and	15.33 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	32:28	2.42	n	1.20	92289	5.4	y	n
						38213	4.4	y	n
	2	32:45	1.08	y	9.93	333264	20.3	y	n
						309053	31.9	y	n
1,2,3,4,6,7,8-HpCDD	3	33:22	1.24	n	17.87	701918	35.1	y	n
						566739	53.5	y	n
	4	33:39	1.51	n	1.05	50217	3.0	y	n

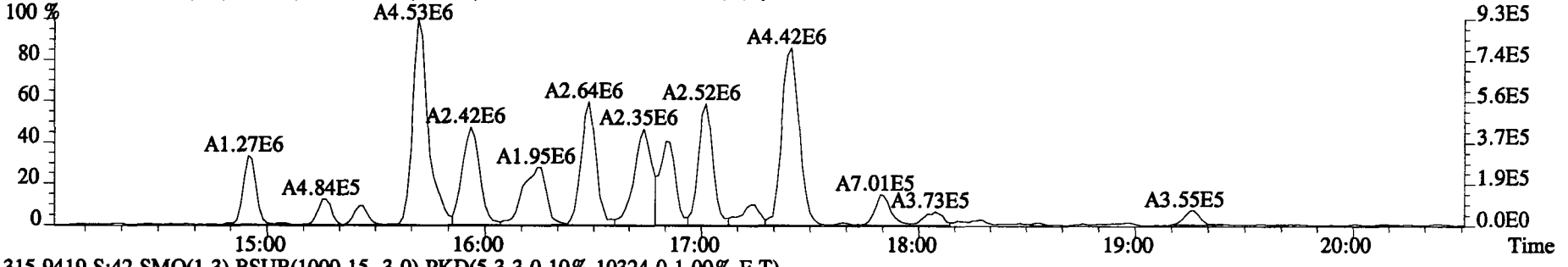
					33365	3.1	y	n
5	34:53	1.29	n	3.14	128741	7.3	y	n
					99677	12.0	y	n

File:22SE10B1D5 #1-382 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

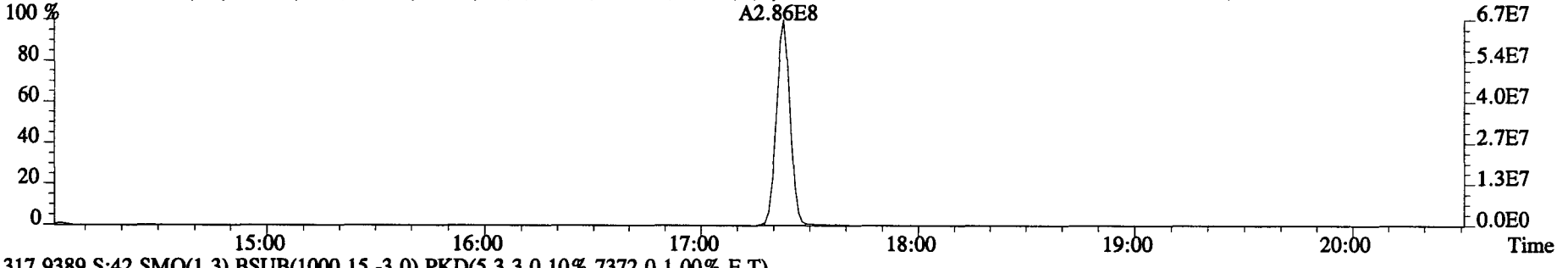
303.9016 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4356.0,1.00%,F,T)



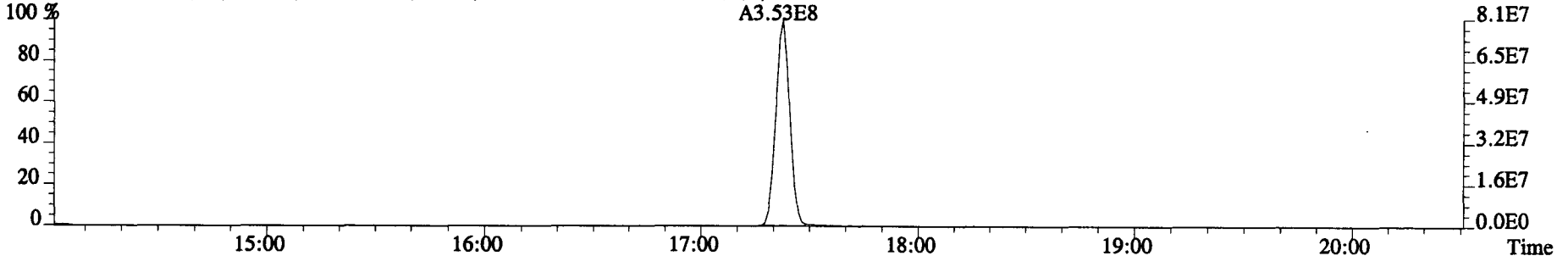
305.8987 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6088.0,1.00%,F,T)



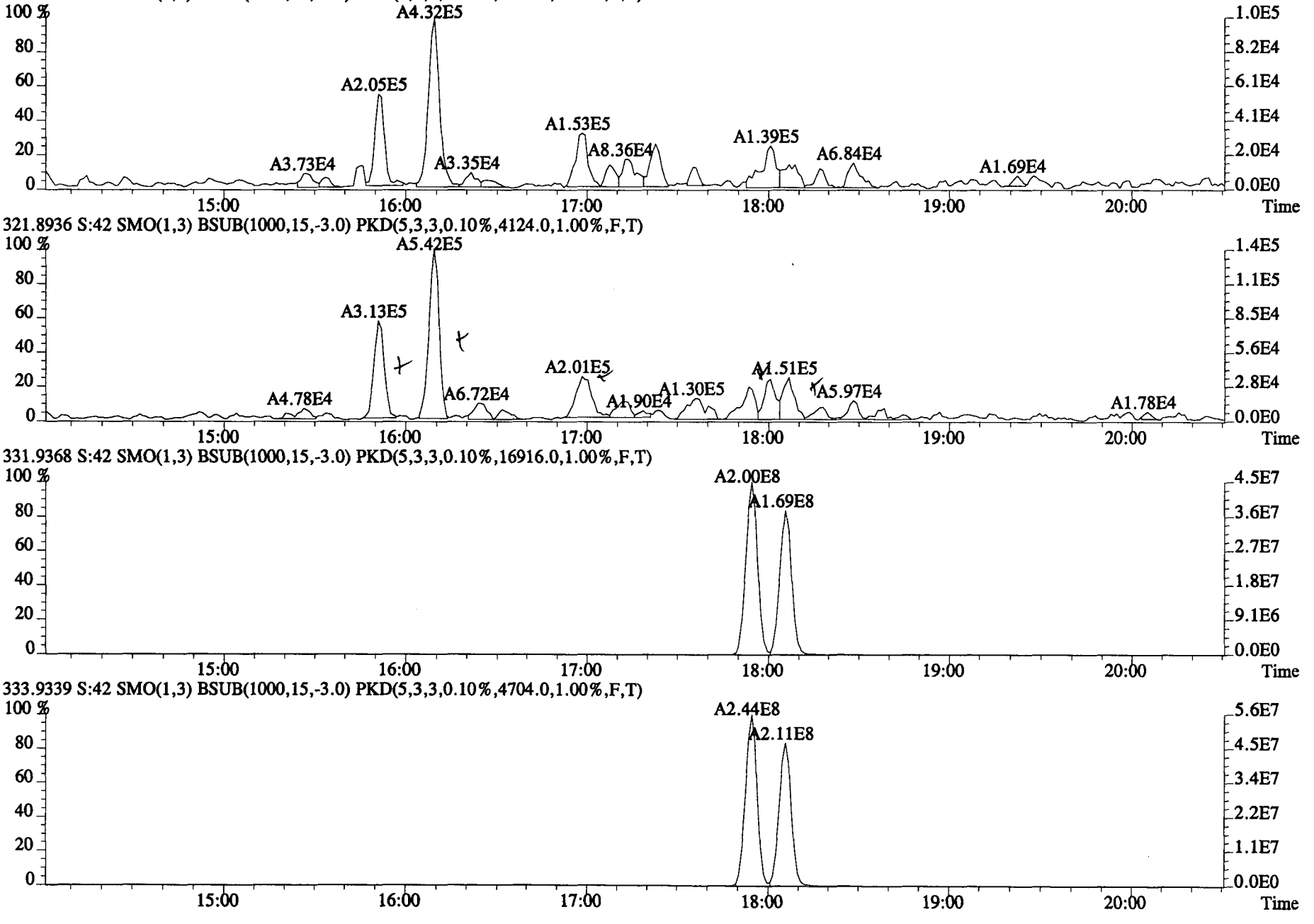
315.9419 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10324.0,1.00%,F,T)



317.9389 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7372.0,1.00%,F,T)

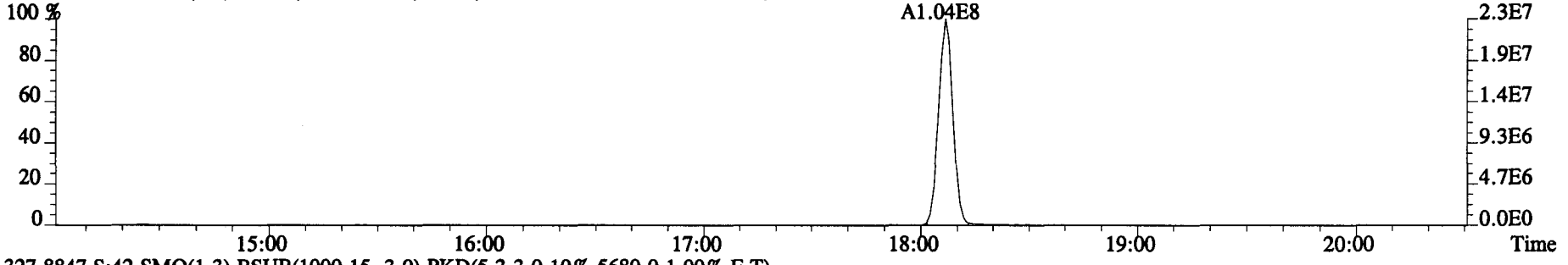


File:22SE10B1D5 #1-382 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

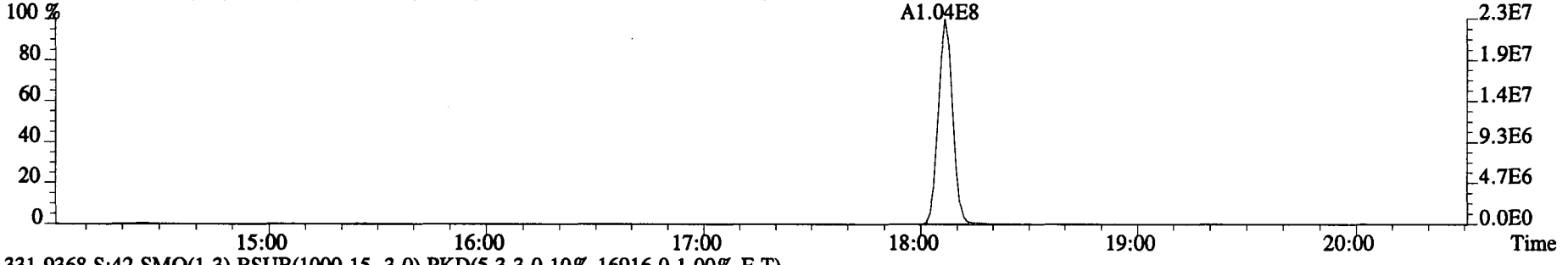


File:22SE10B1D5 #1-382 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

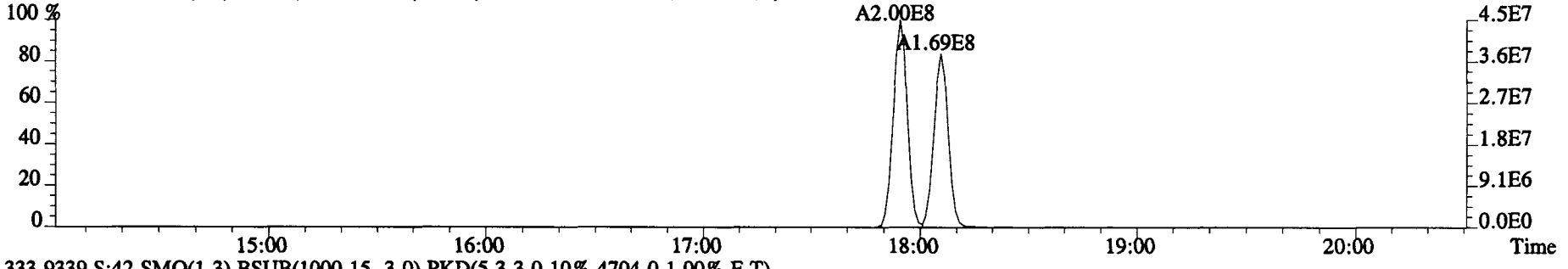
327.8847 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5680.0,1.00%,F,T)



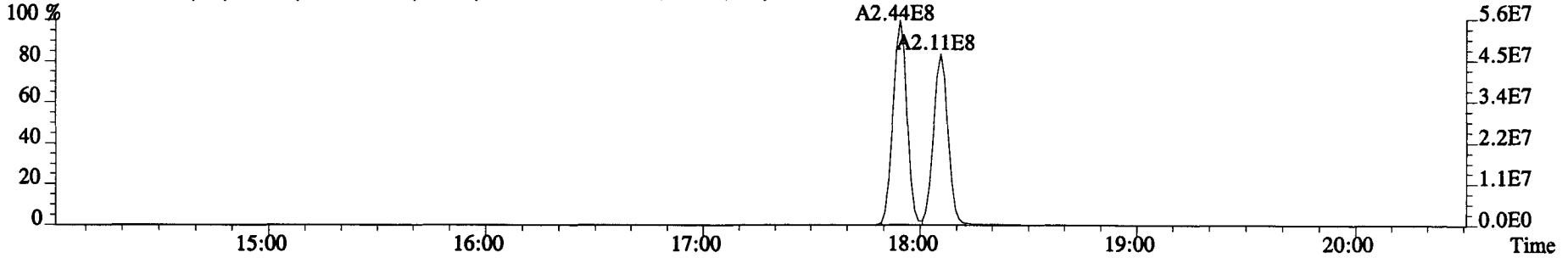
327.8847 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5680.0,1.00%,F,T)



331.9368 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16916.0,1.00%,F,T)

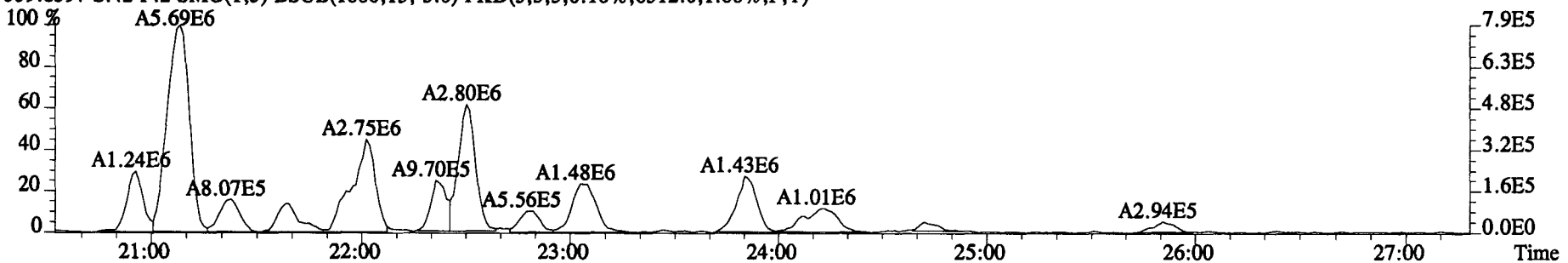


333.9339 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4704.0,1.00%,F,T)

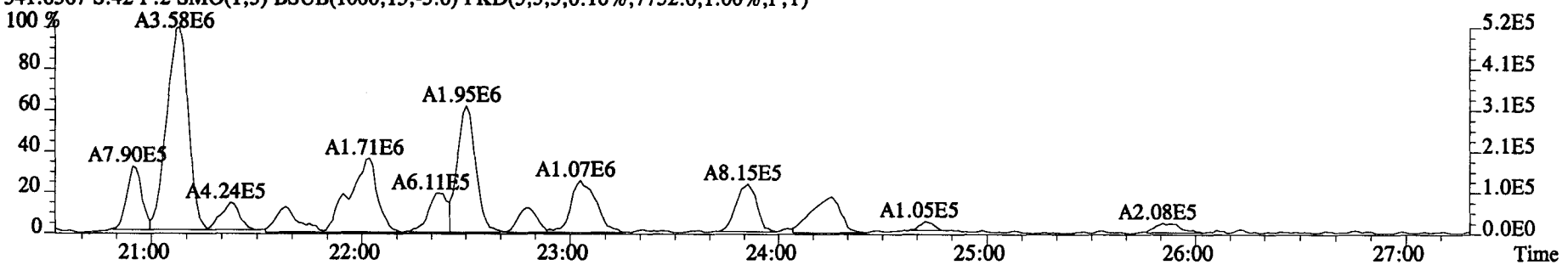


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

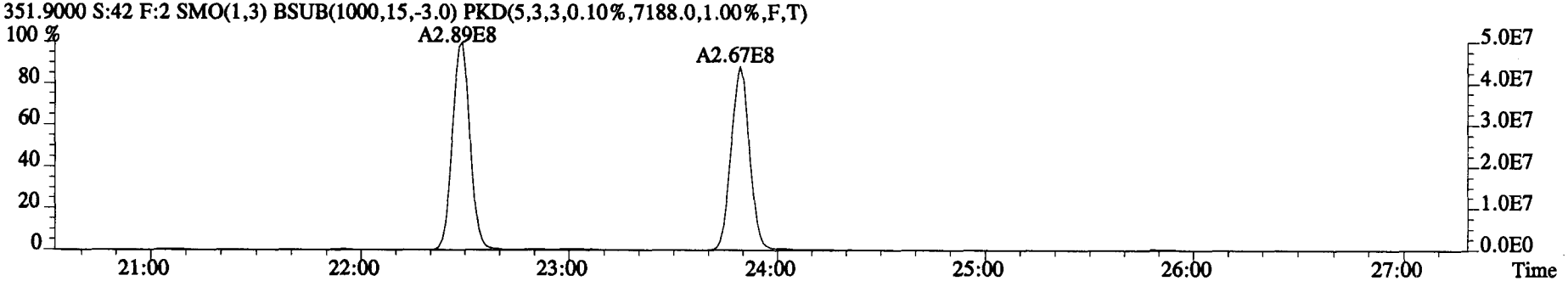
339.8597 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6512.0,1.00%,F,T)



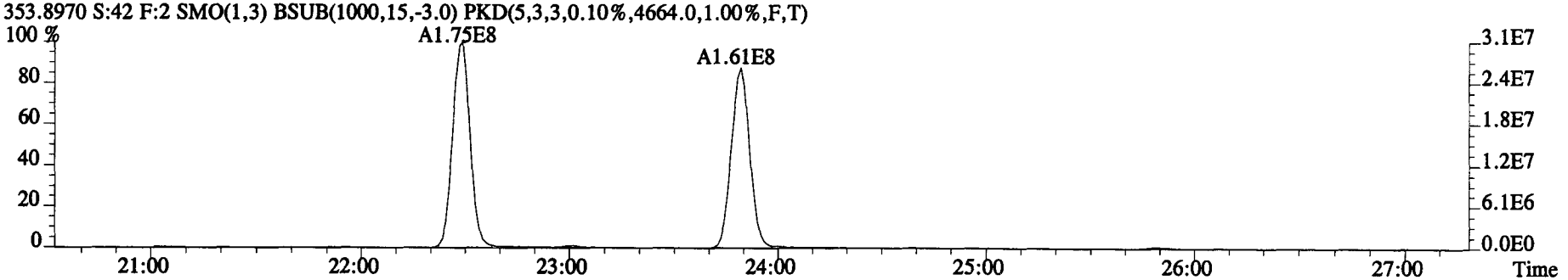
341.8567 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7752.0,1.00%,F,T)



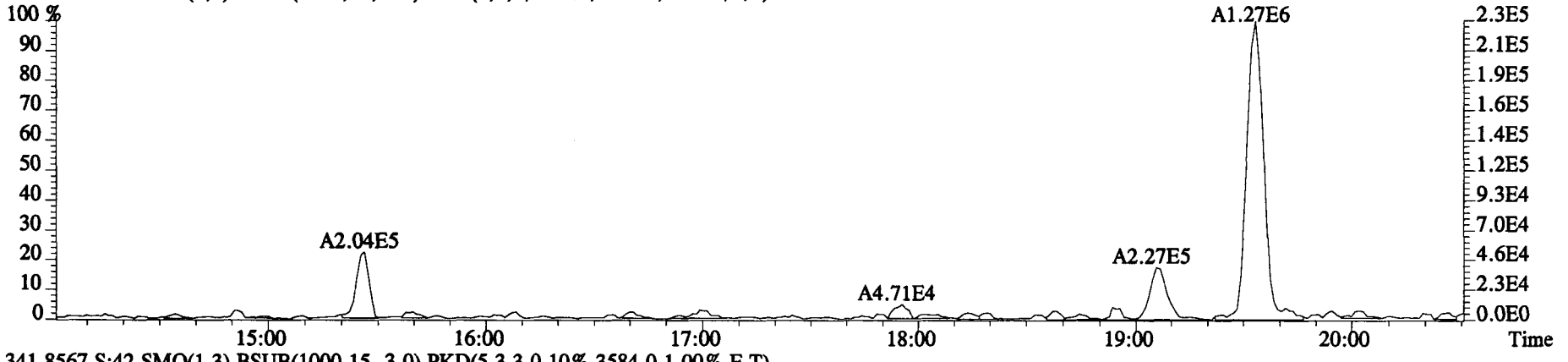
351.9000 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7188.0,1.00%,F,T)



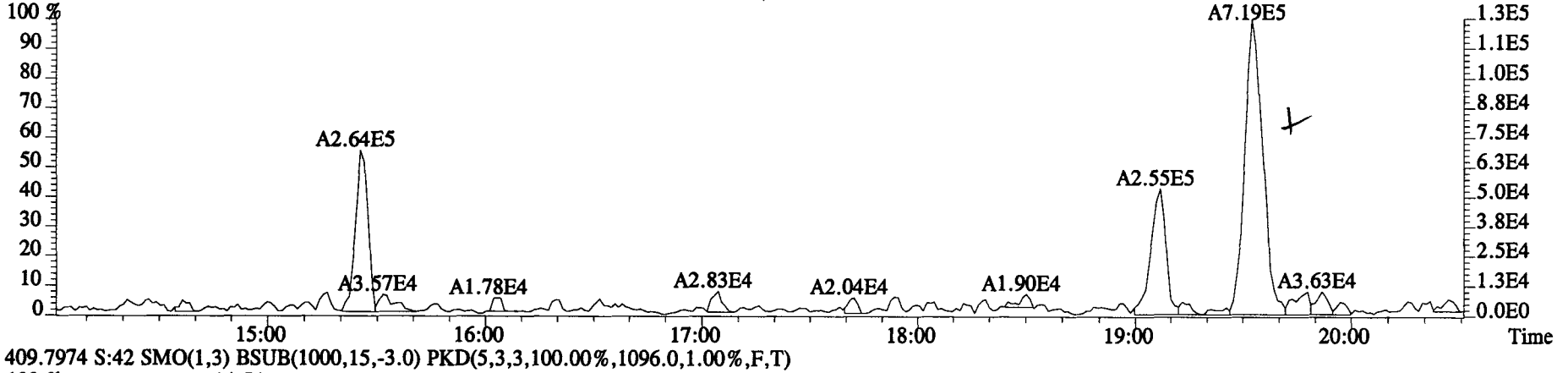
353.8970 S:42 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4664.0,1.00%,F,T)



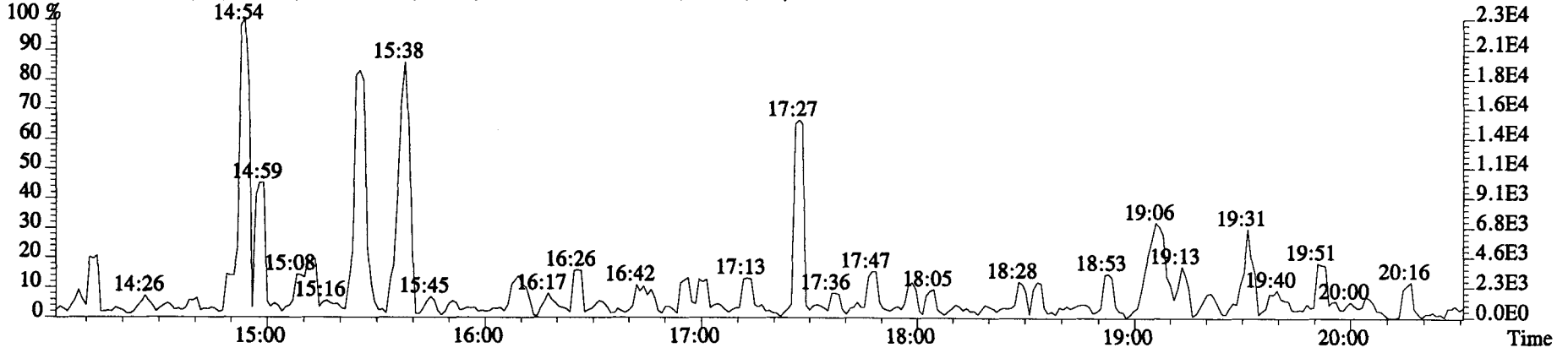
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES
339.8597 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T)



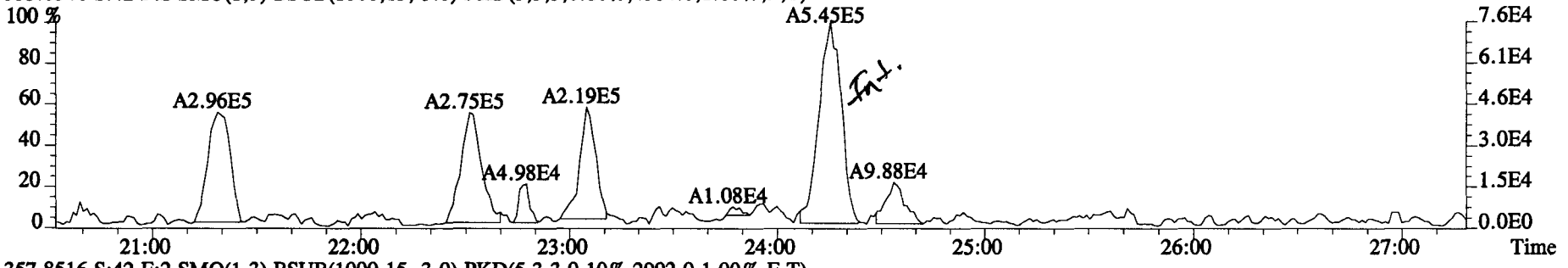
341.8567 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3584.0,1.00%,F,T)

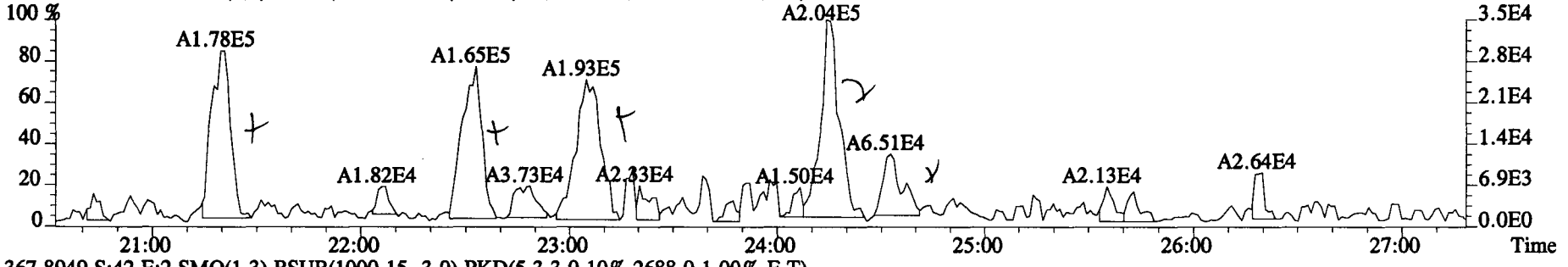


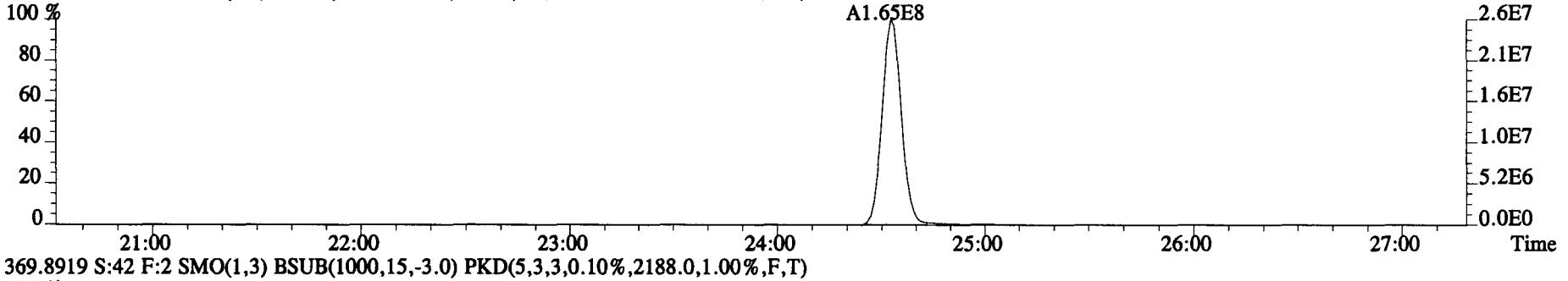
409.7974 S:42 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1096.0,1.00%,F,T)

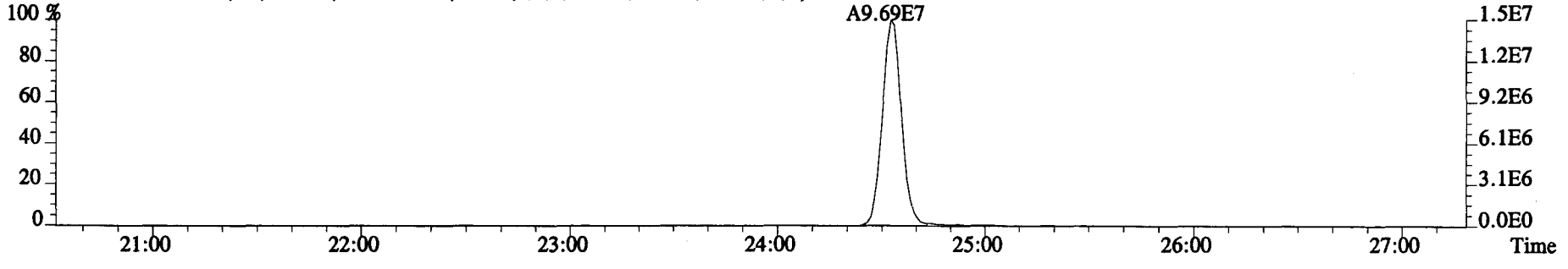


File:22SE10B1D5 #1-422 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

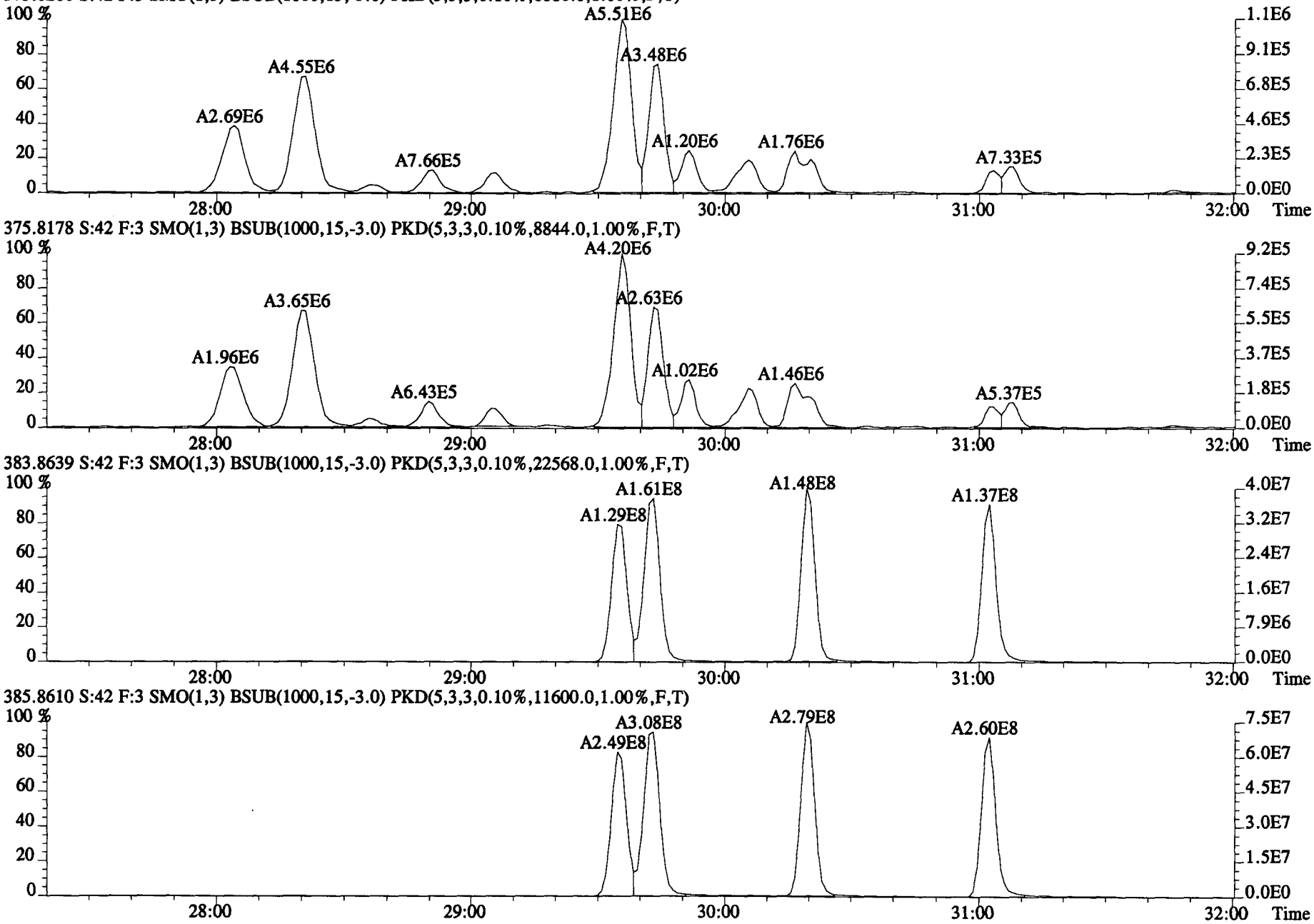




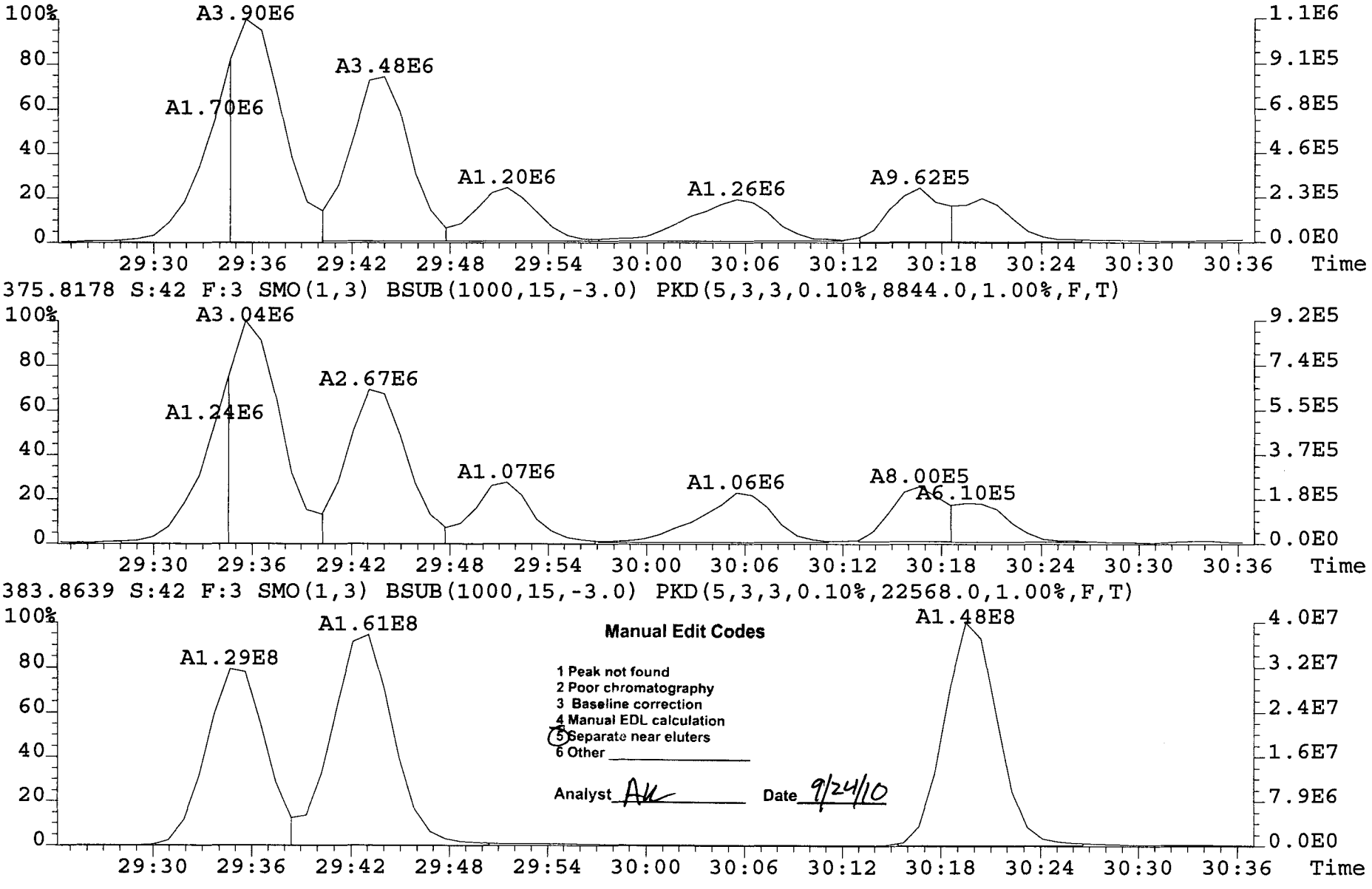




File:22SE10B1D5 #1-301 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES



File:22SE10B1D5 #1-301 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES



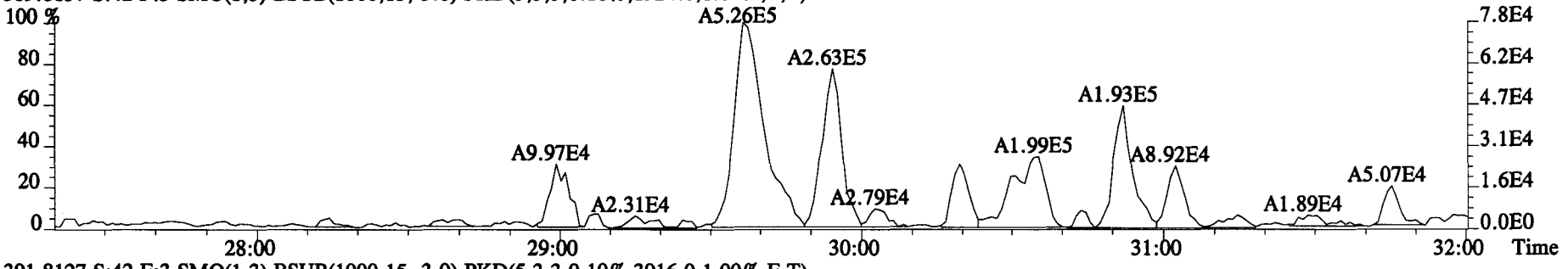
Manual Edit Codes

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

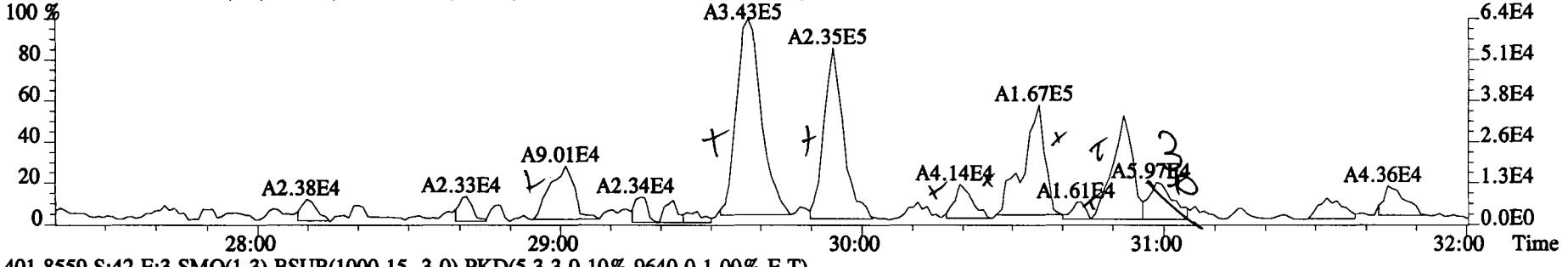
Analyst AK Date 9/24/10

File:22SE10B1D5 #1-301 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

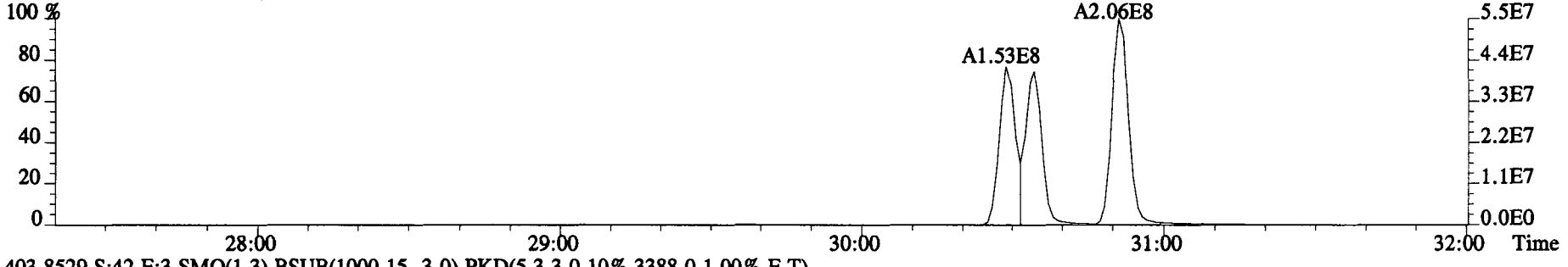
389.8157 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1924.0,1.00%,F,T)



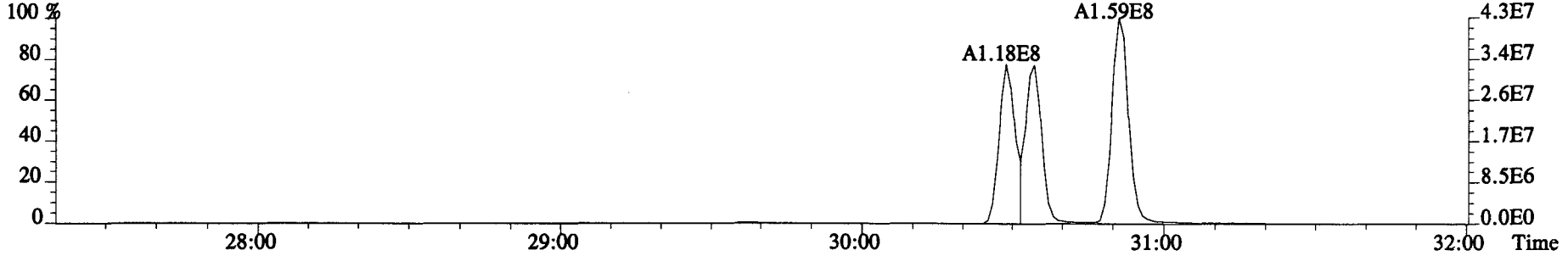
391.8127 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3916.0,1.00%,F,T)



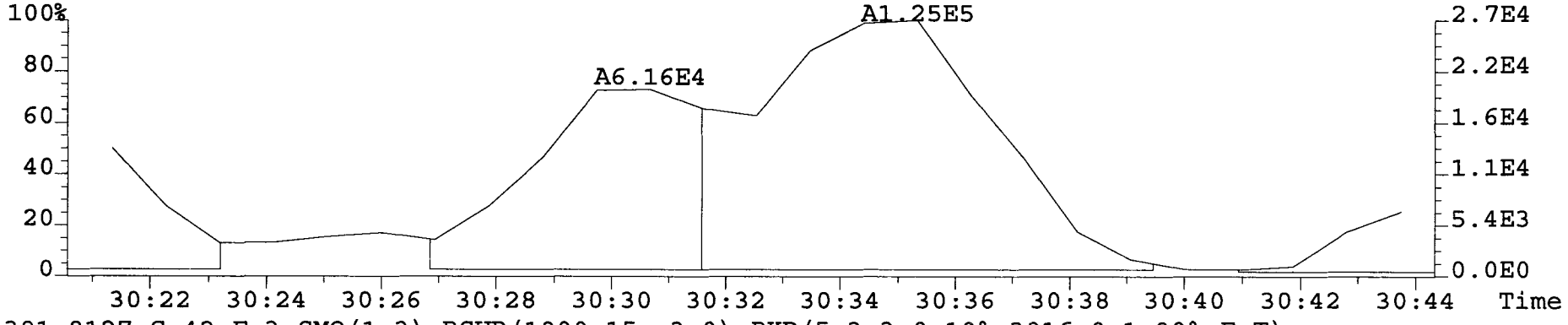
401.8559 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9640.0,1.00%,F,T)



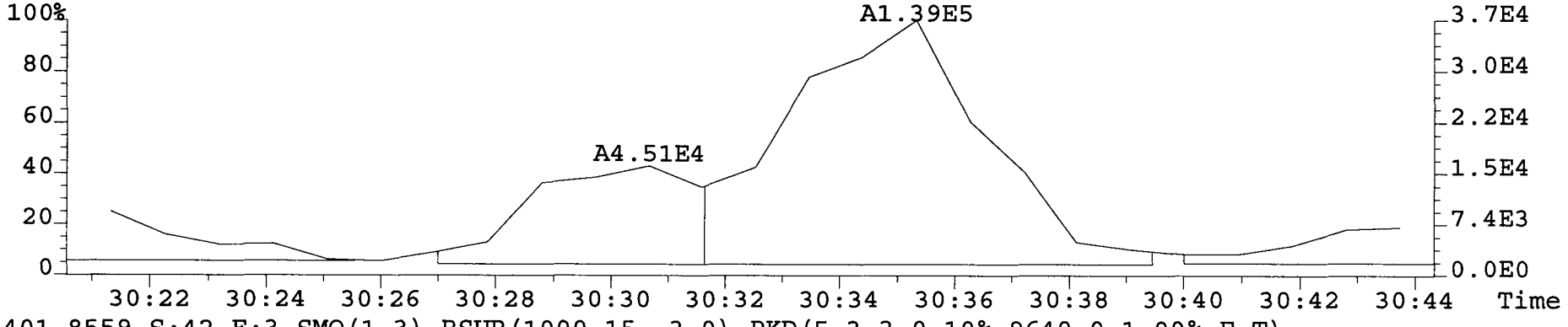
403.8529 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3388.0,1.00%,F,T)



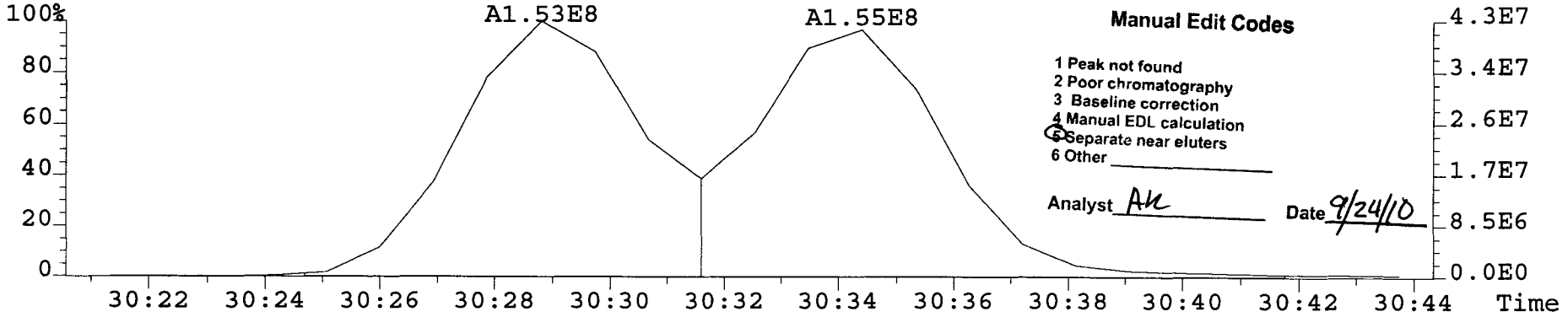
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES
389.8157 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1924.0,1.00%,F,T)



391.8127 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3916.0,1.00%,F,T)



401.8559 S:42 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9640.0,1.00%,F,T)

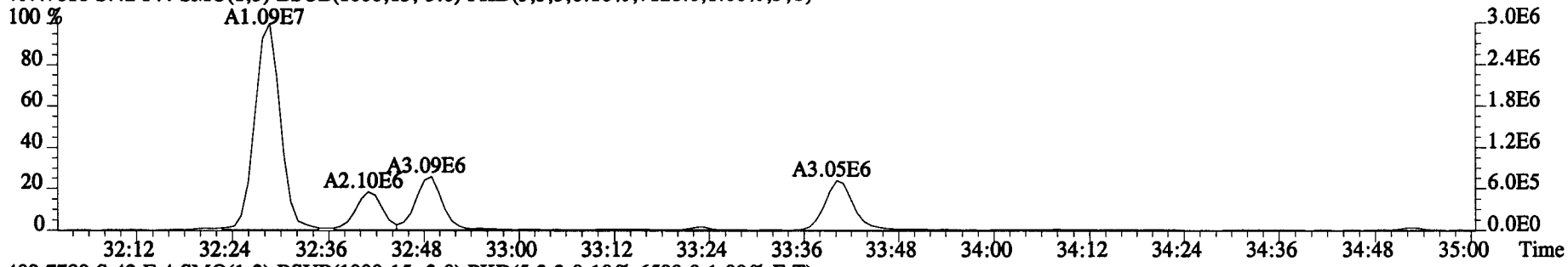


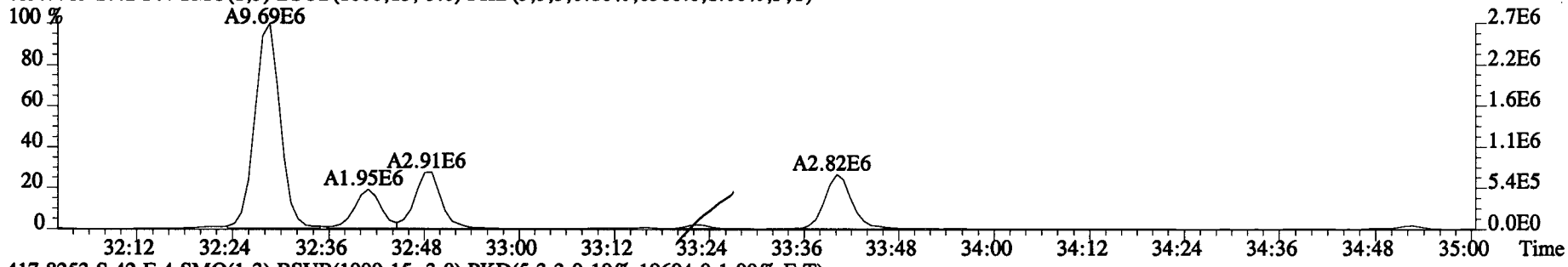
Manual Edit Codes

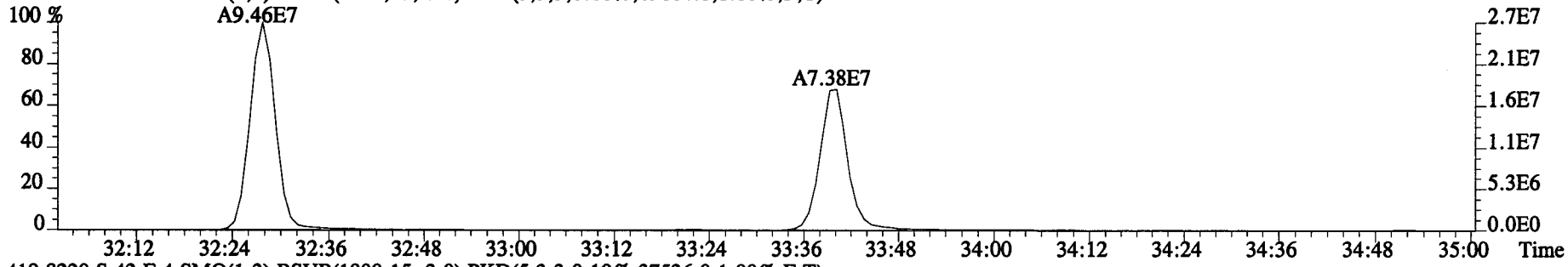
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

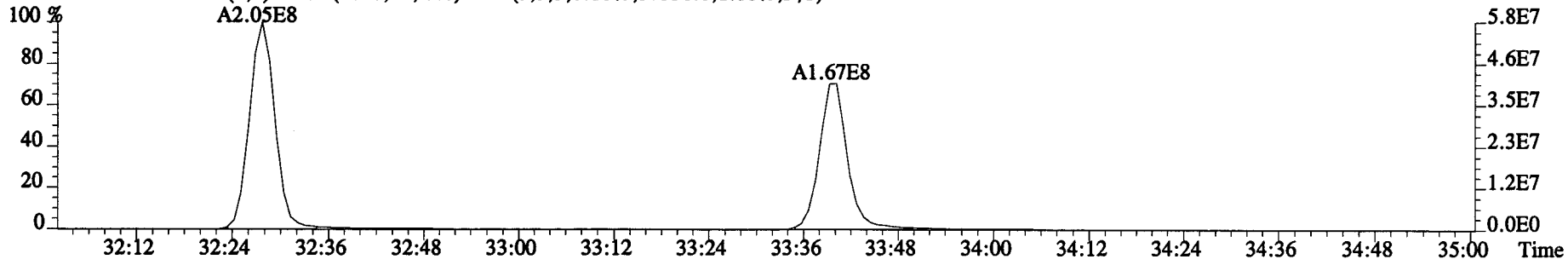
Analyst AH Date 9/24/10

File:22SE10B1D5 #1-203 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES



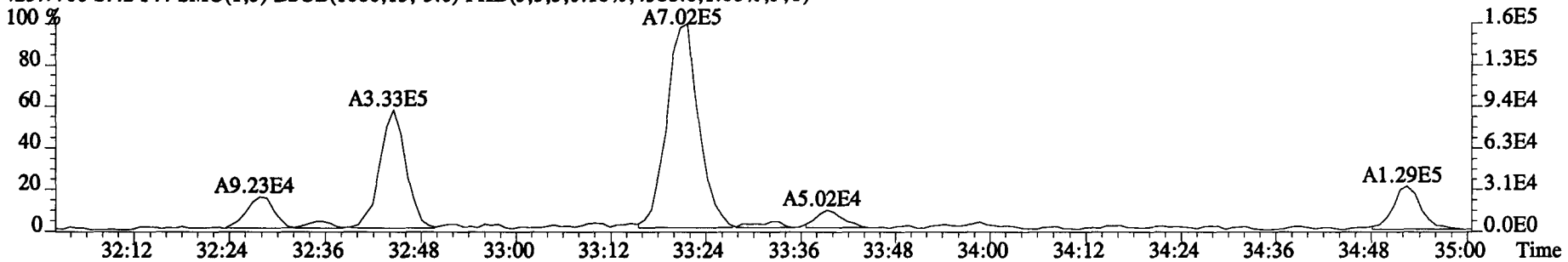




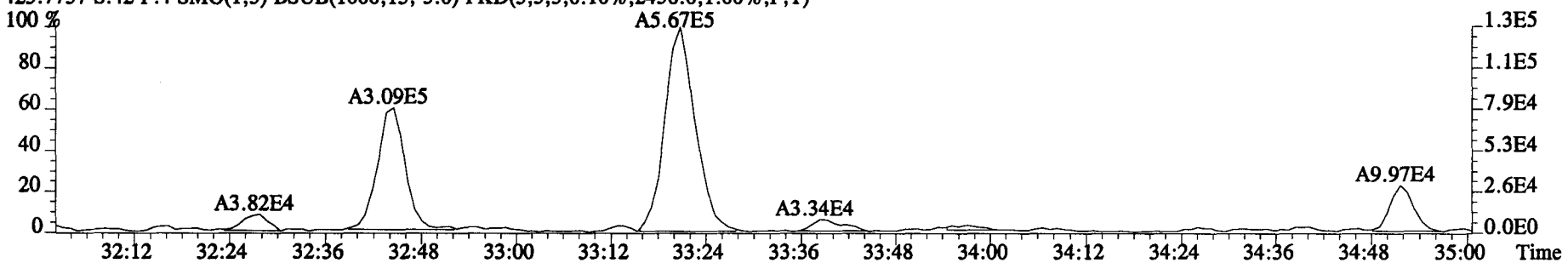


File:22SE10B1D5 #1-203 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

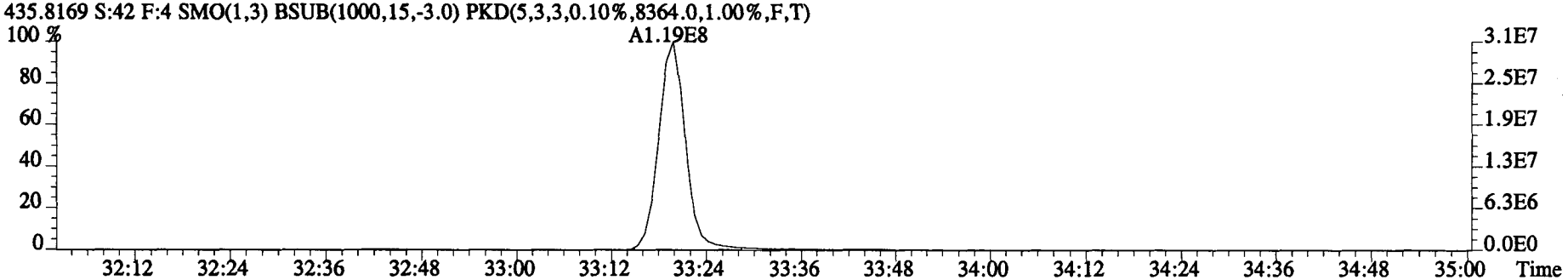
423.7766 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4388.0,1.00%,F,T)



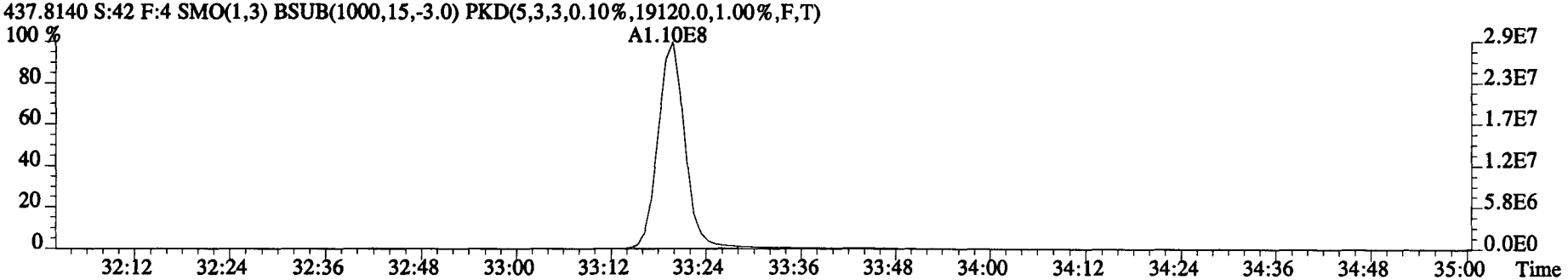
425.7737 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2436.0,1.00%,F,T)



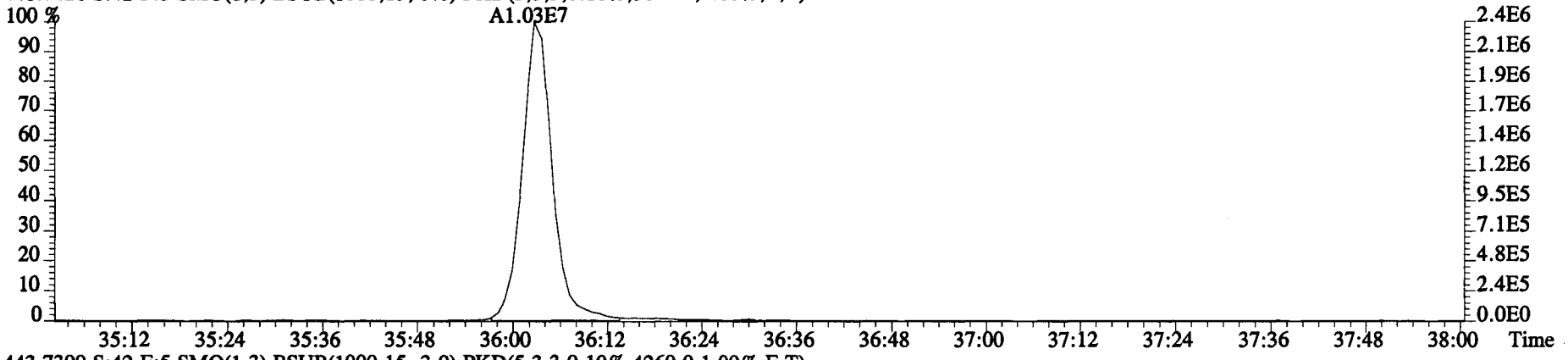
435.8169 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8364.0,1.00%,F,T)



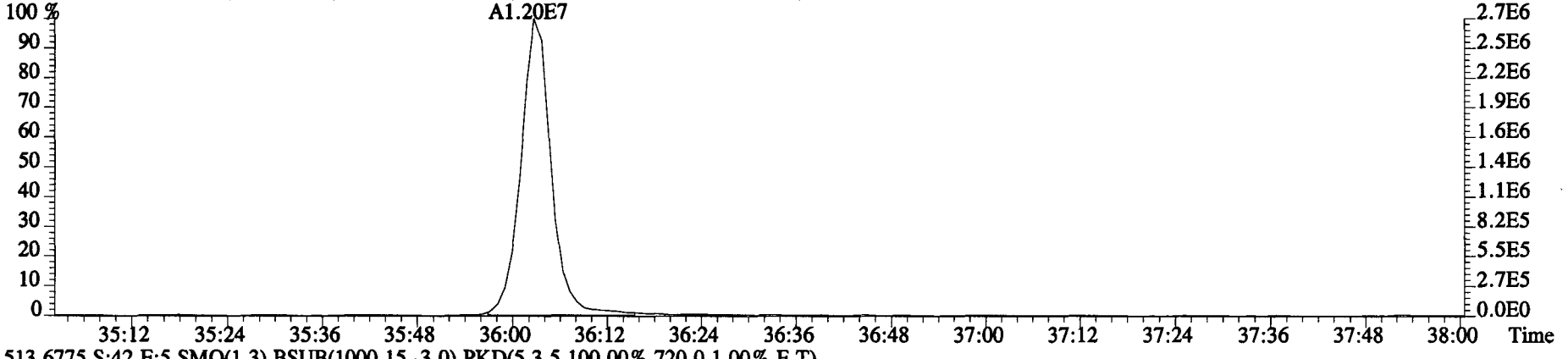
437.8140 S:42 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19120.0,1.00%,F,T)



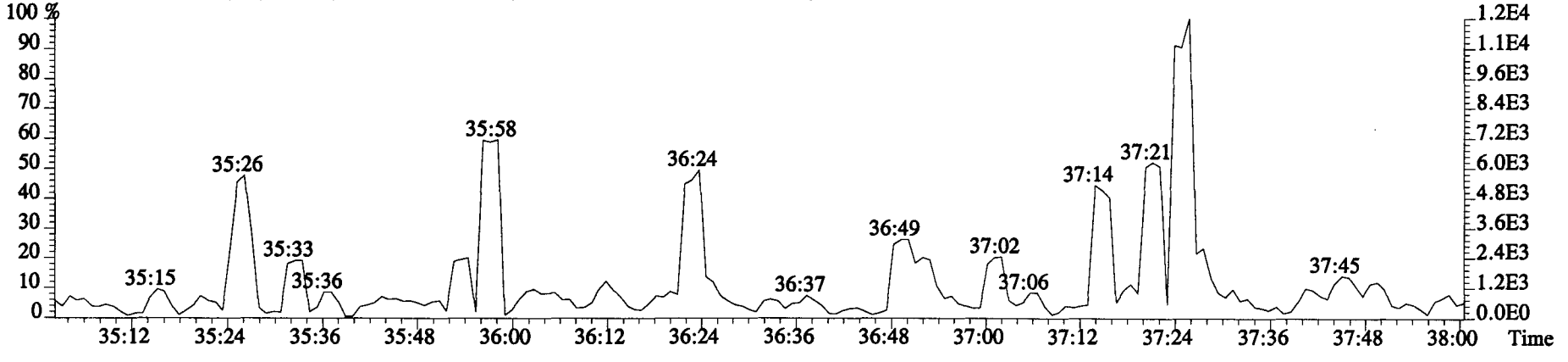
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES
441.7428 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5020.0,1.00%,F,T)



443.7399 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4260.0,1.00%,F,T)

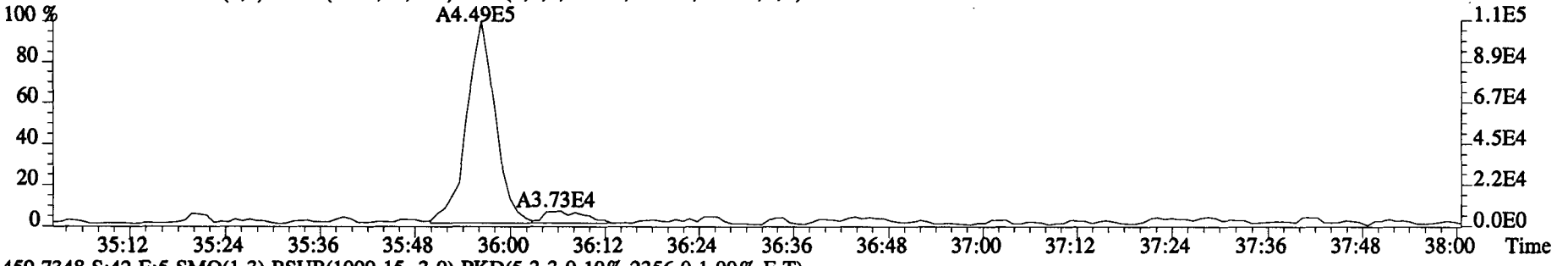


513.6775 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,720.0,1.00%,F,T)

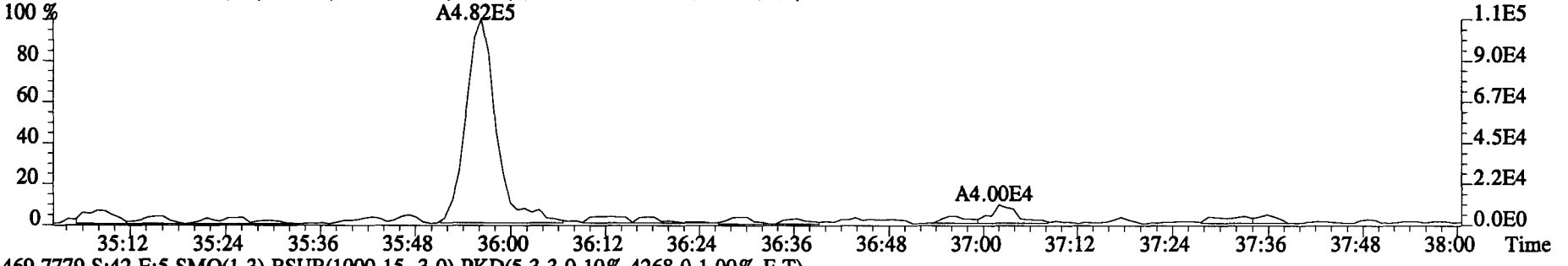


File:22SE10B1D5 #1-196 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES

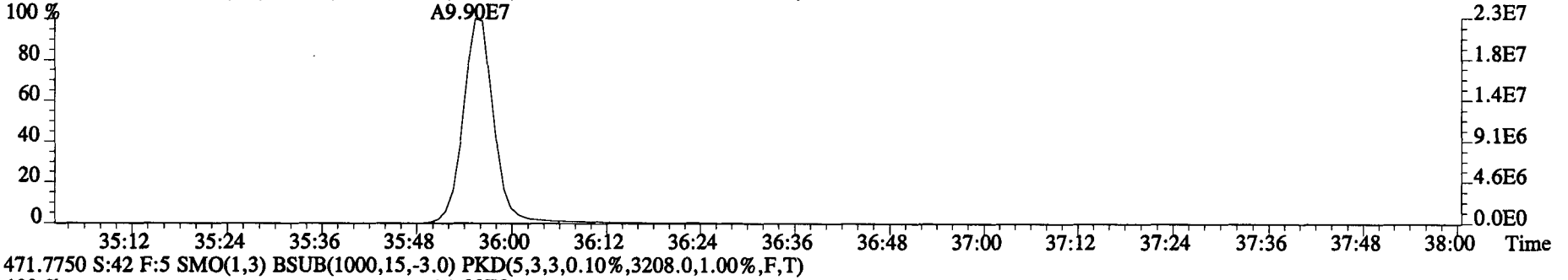
457.7377 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3500.0,1.00%,F,T)



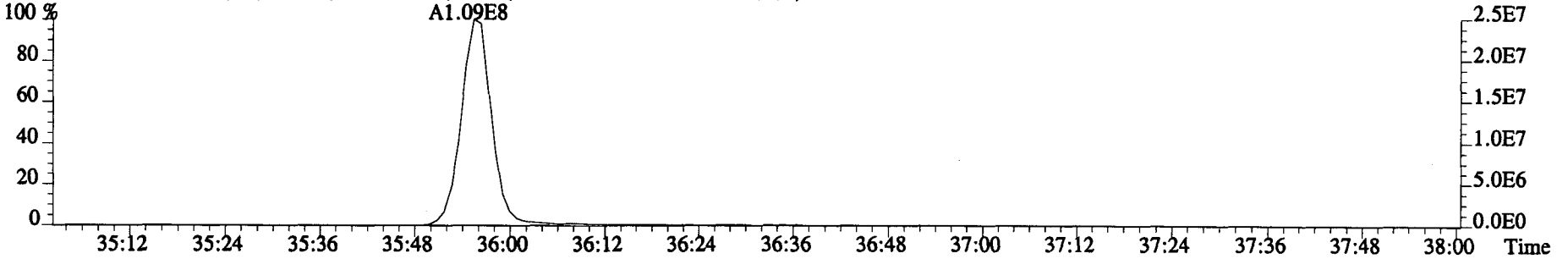
459.7348 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2356.0,1.00%,F,T)



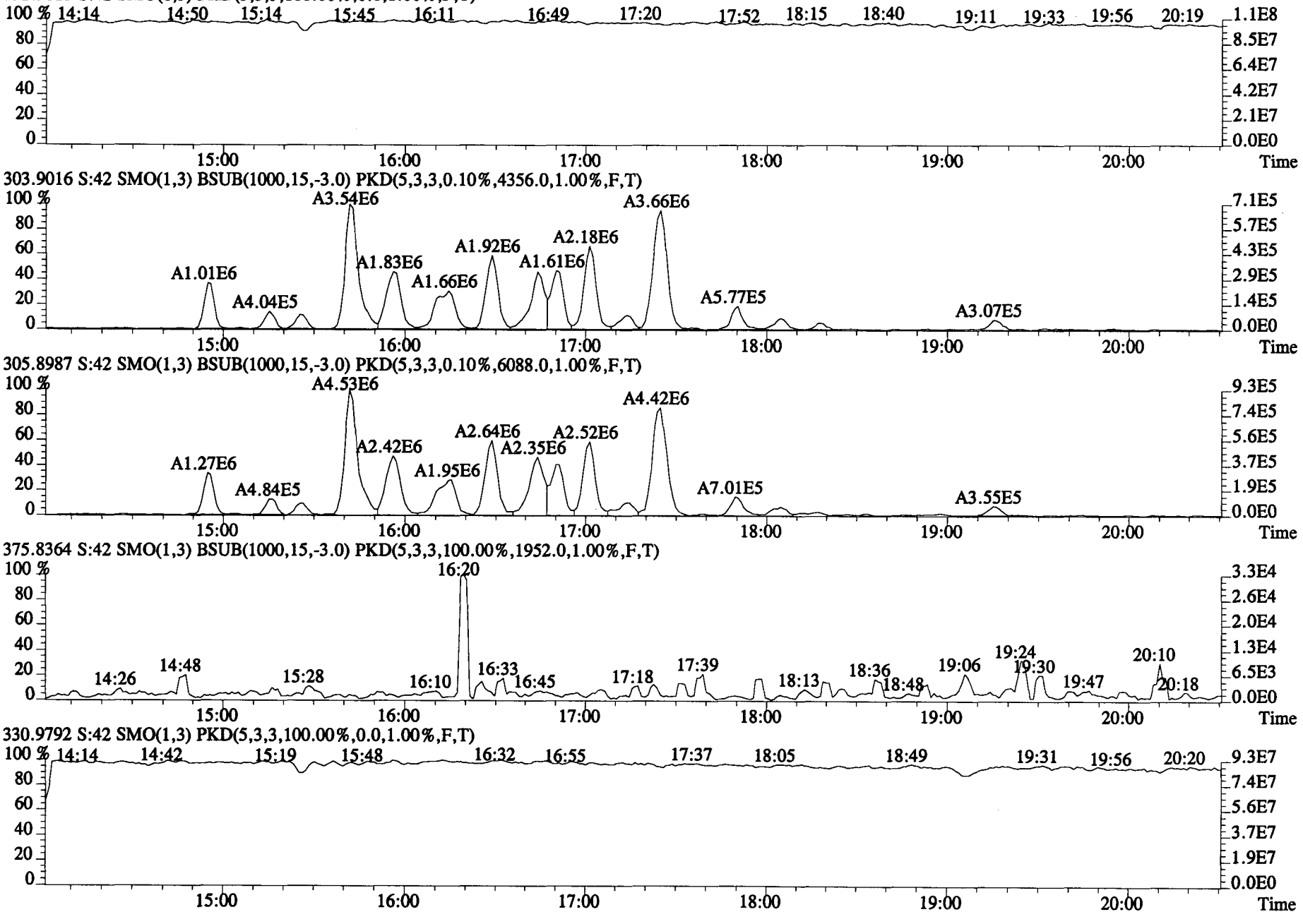
469.7779 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4268.0,1.00%,F,T)



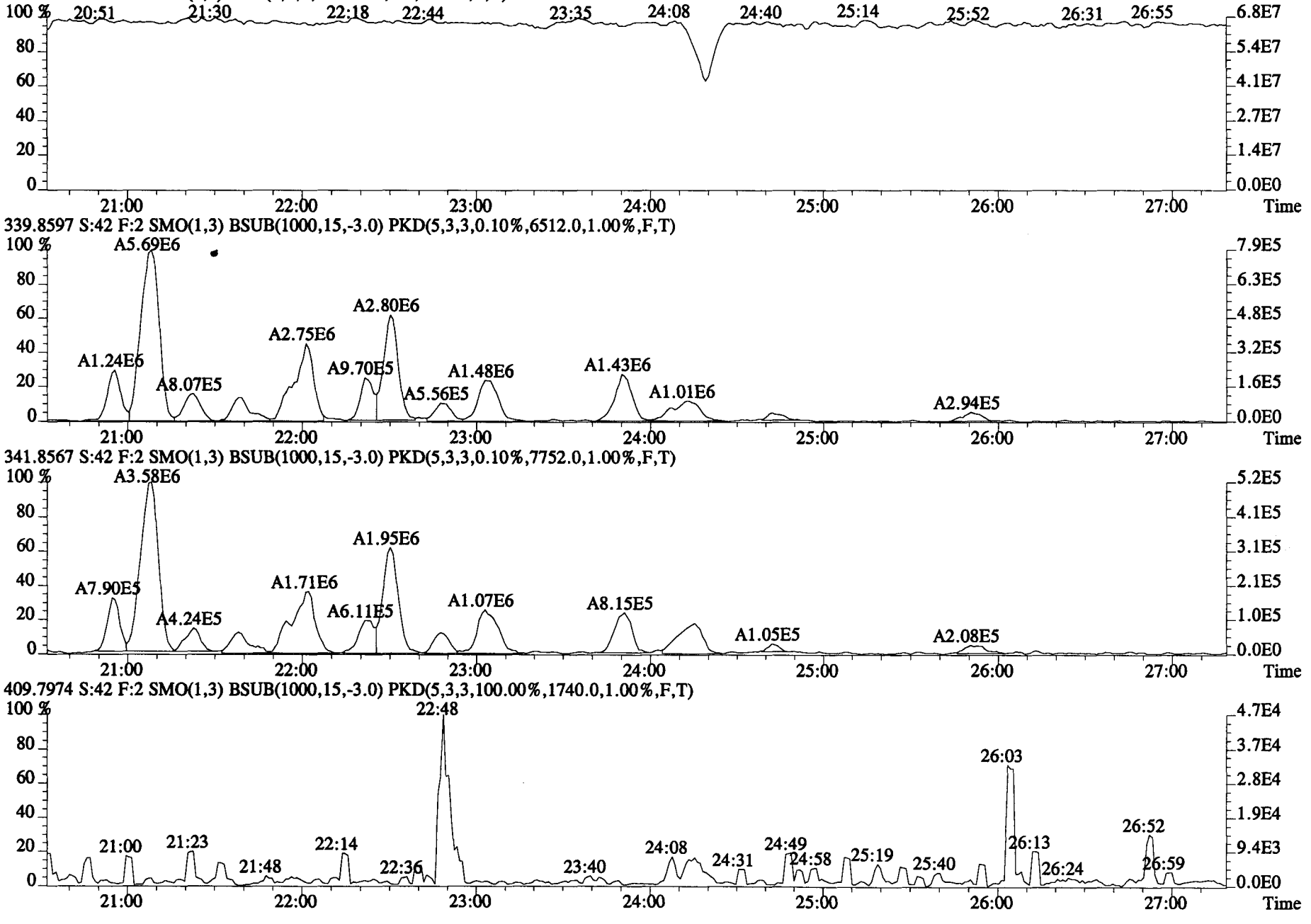
471.7750 S:42 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3208.0,1.00%,F,T)



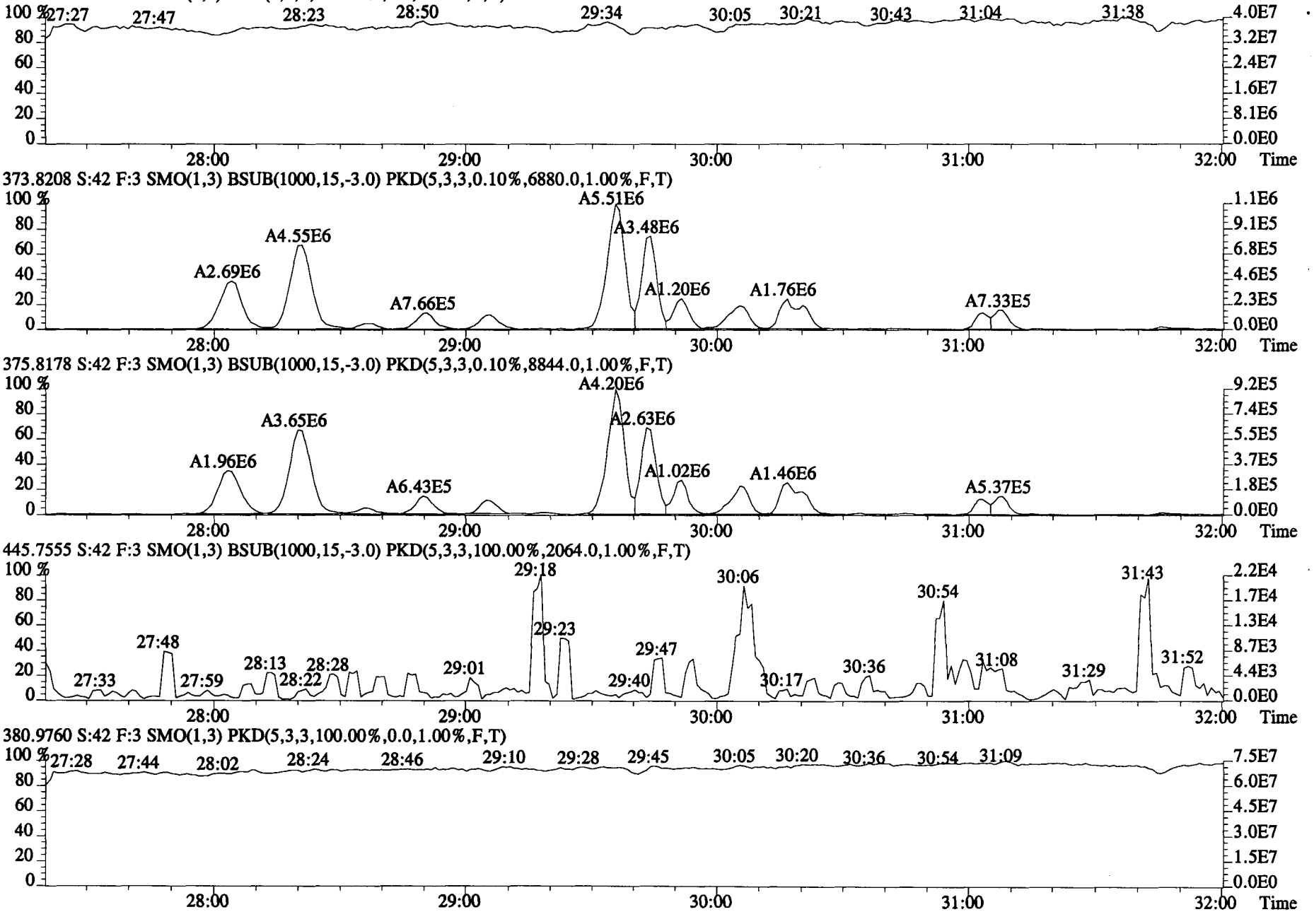
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES



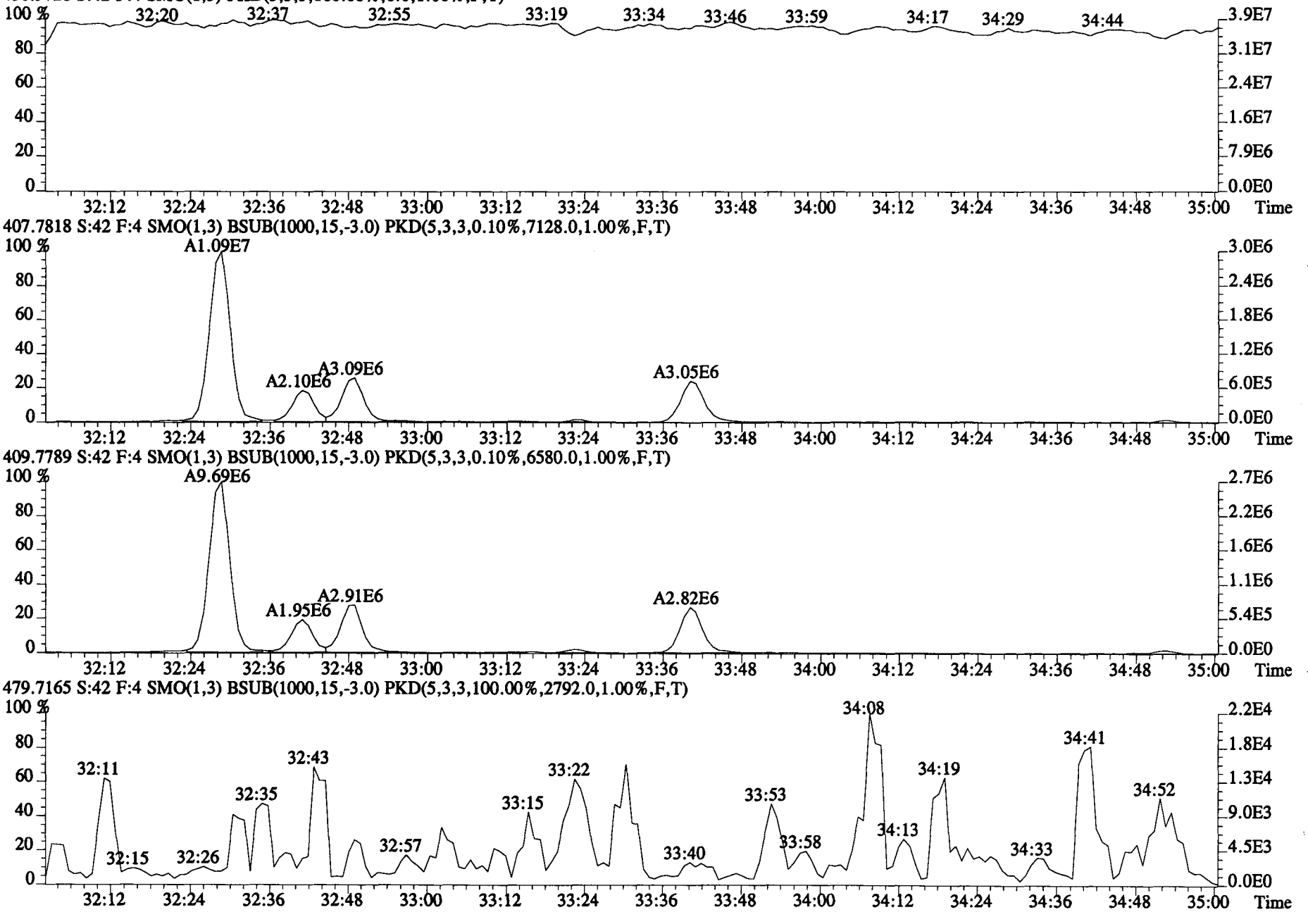
File:22SE10B1D5 #1-422 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES



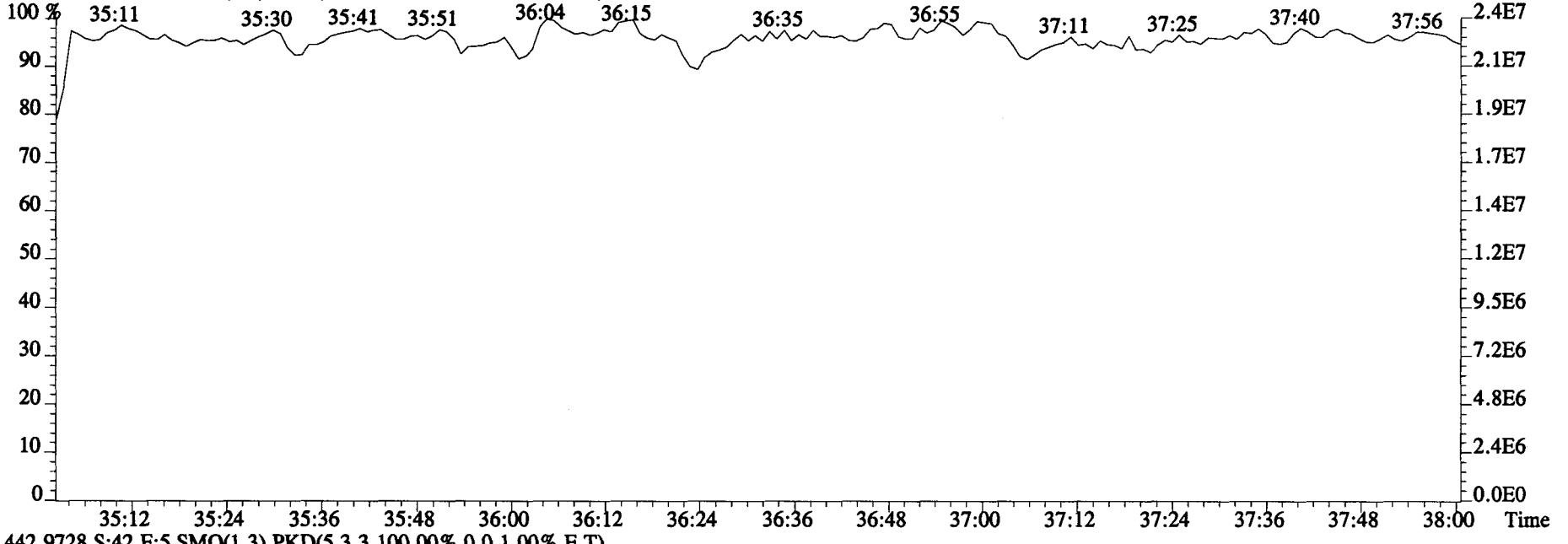
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES



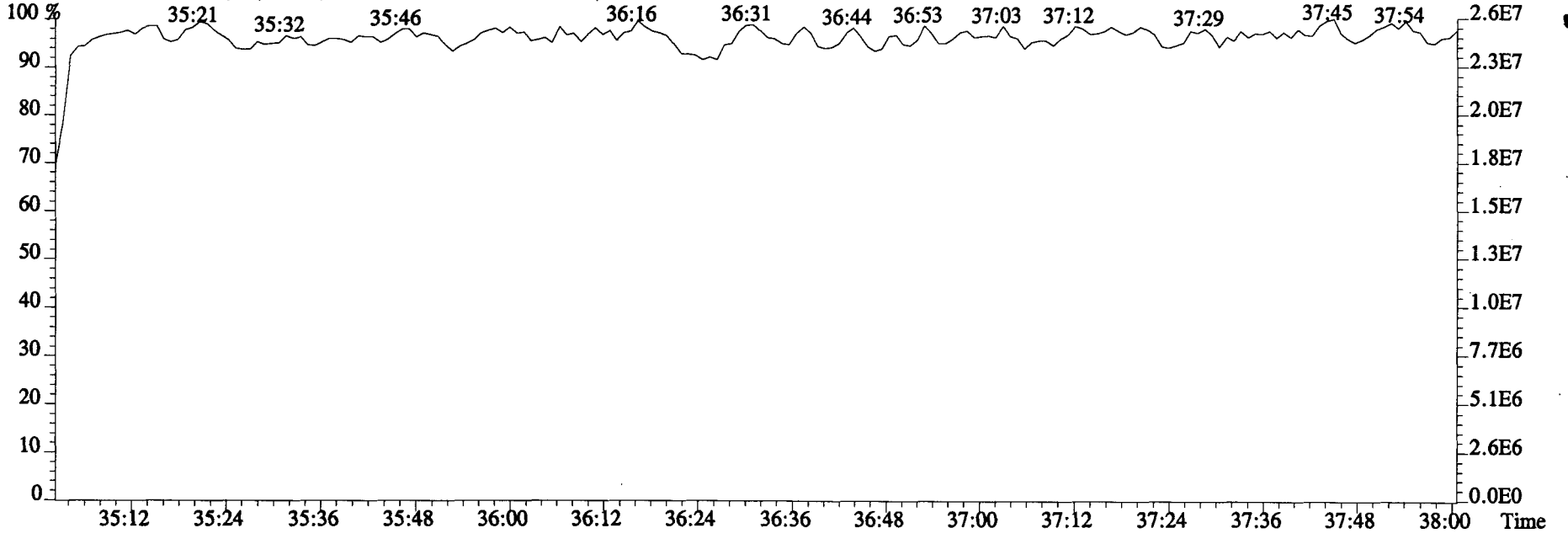
File:22SE10B1D5 #1-203 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 05:00:16 GC EI+ Voltage SIR 70SE
Sample#42 Text:L6647-1-AA :G0I180489-6 Exp:DIOXINRES
454.9728 S:42 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:42 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

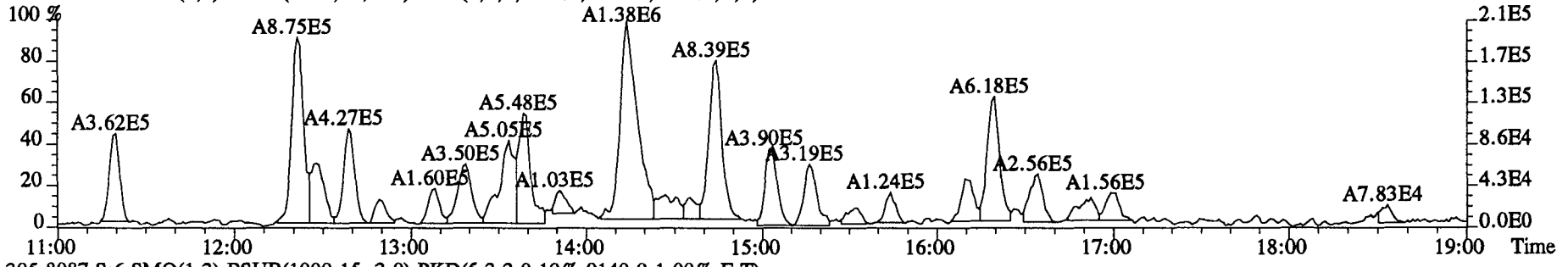


Run text: L6647-1-AA Sample text: L6647-1-AA :G0I180489-6
Run #10 Filename: 24SE105D2 S: 6 I: 1 Results: 24SE105D2DB225AIR
Acquired: 24-SEP-10 12:18:01 Processed: 24-SEP-10 13:42:50
Run: 24SE105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Factor 1:4000.000 Factor 2:20.000 Sample size: 0.50 SAMP

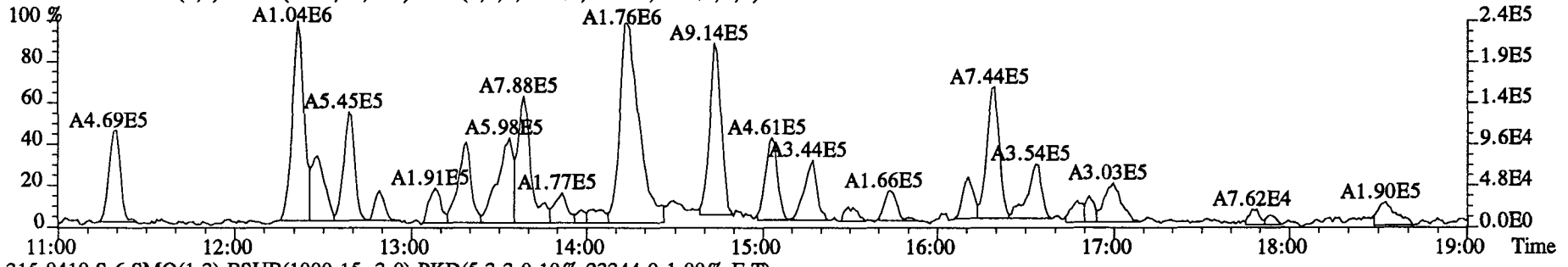
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	146782616	0.77	y	15:05	-	248.574	-	-	n
13C-2,3,7,8-TCDF	214938752	0.80	y	16:18	2.11	2774.208	9.411	69.4	n
2,3,7,8-TCDF	1362270	0.83	y	16:20	1.06	24.004	4.242	-	n
13C-2,3,7,8-TCDD	117319436	0.74	y	14:46	0.88	3613.689	18.718	90.3	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.64	*	5.214	-	n
37Cl-2,3,7,8-TCDD	68839352	1.00	y	14:47	1.46	1609.617	8.342	40.2	n

AK 9/24/10

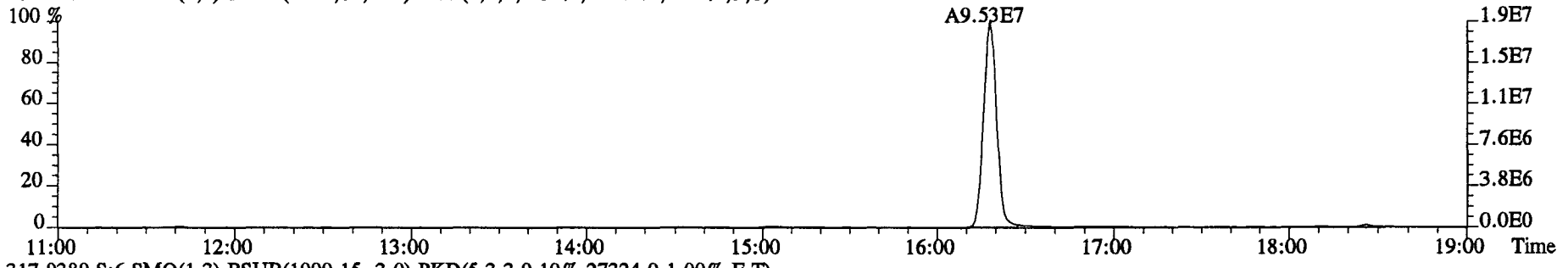
File:24SE105D2 #1-1242 Acq:24-SEP-2010 12:18:01 GC EI+ Voltage SIR 70SE
Sample#6 Text:L6647-1-AA :G0I180489-6 Exp:DB225RES
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6852.0,1.00%,F,T)



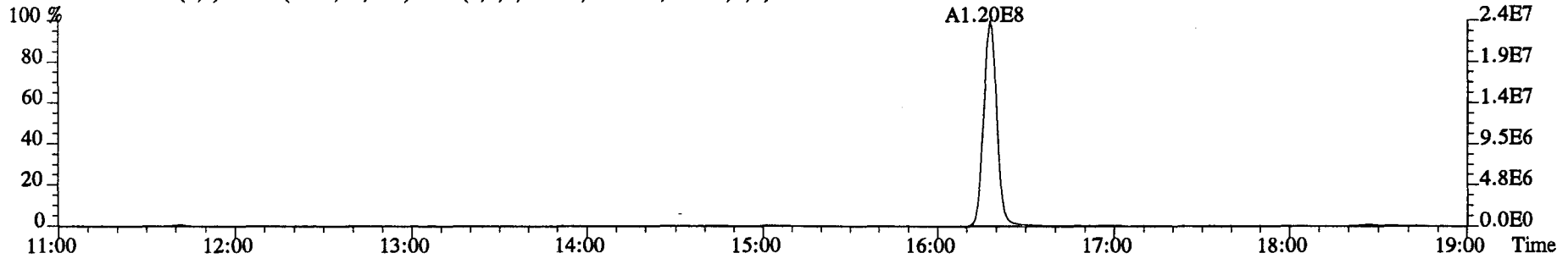
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9140.0,1.00%,F,T)



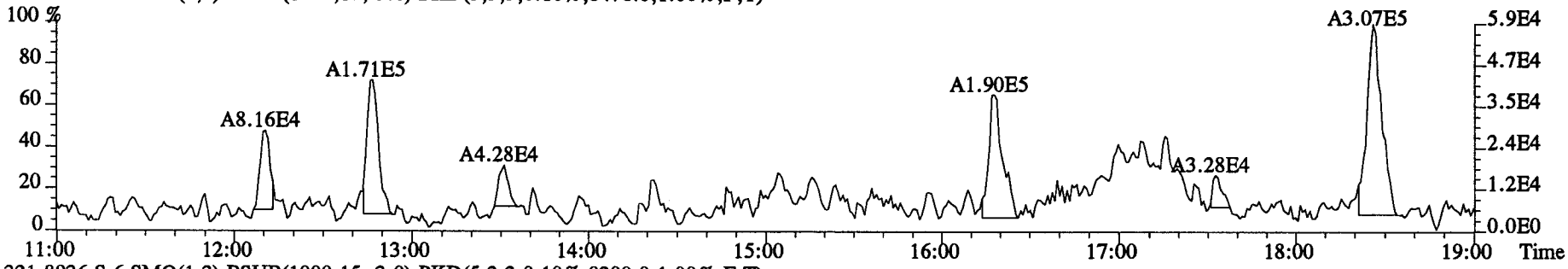
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23344.0,1.00%,F,T)



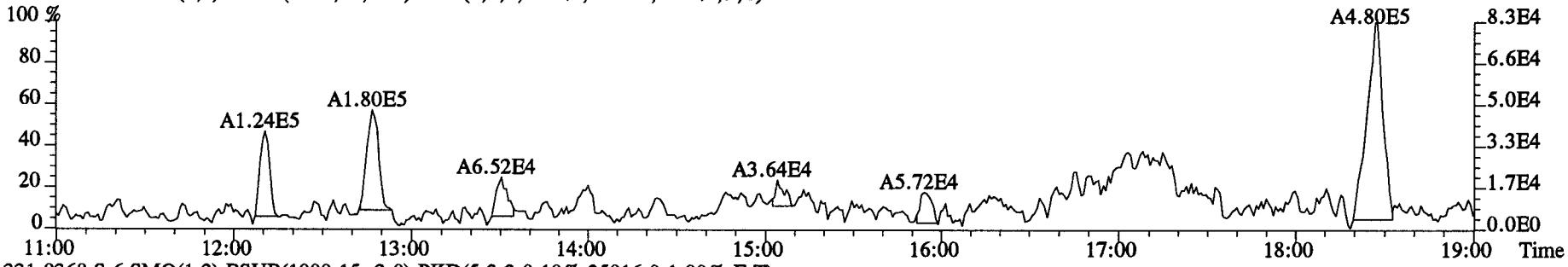
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27324.0,1.00%,F,T)



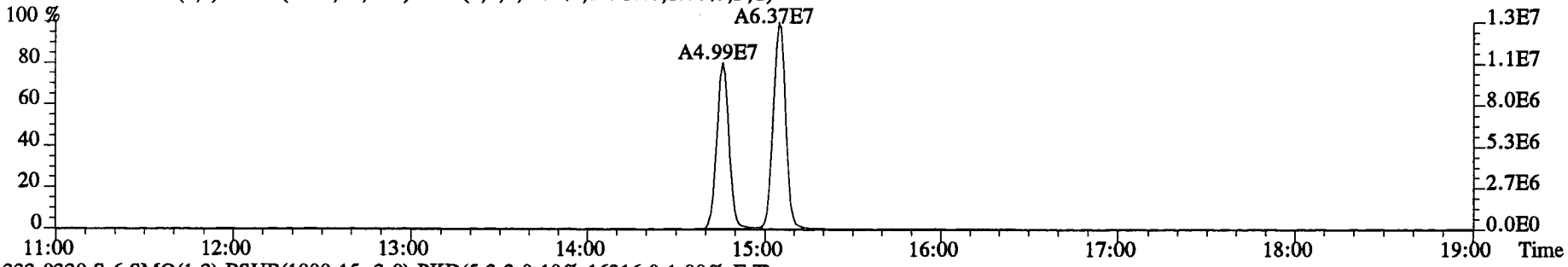
File:24SE105D2 #1-1242 Acq:24-SEP-2010 12:18:01 GC EI+ Voltage SIR 70SE
Sample#6 Text:L6647-1-AA :G0I180489-6 Exp:DB225RES
319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8476.0,1.00%,F,T)



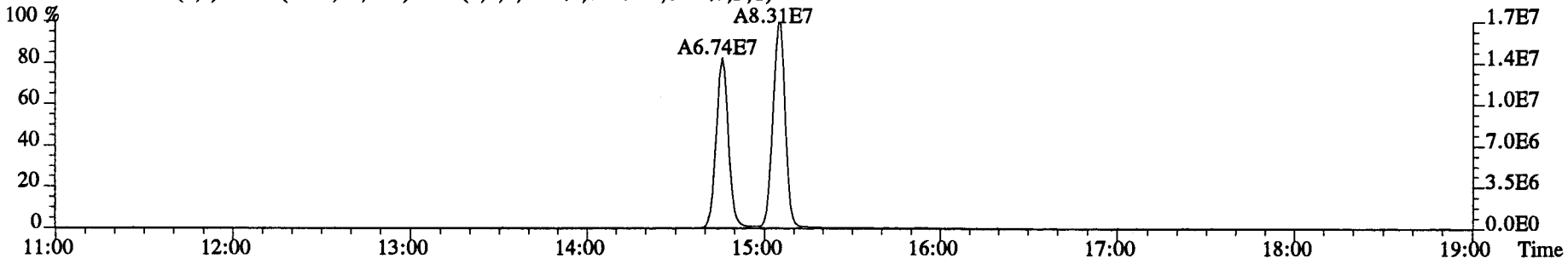
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9300.0,1.00%,F,T)



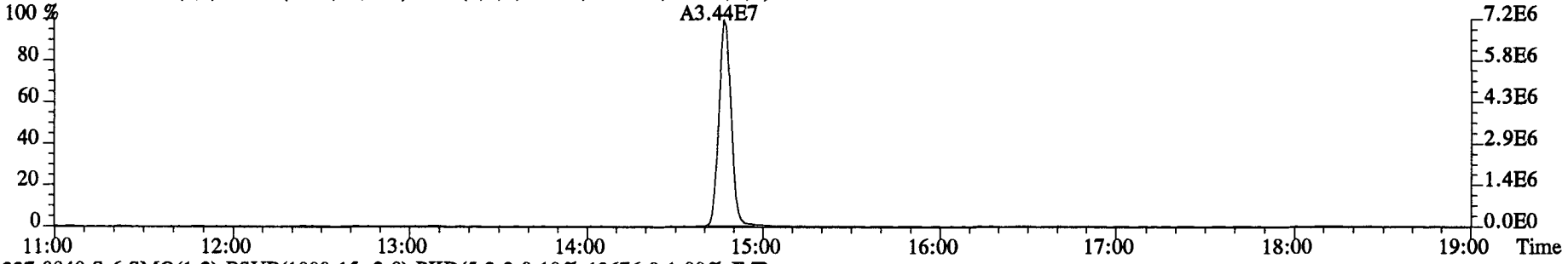
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25916.0,1.00%,F,T)



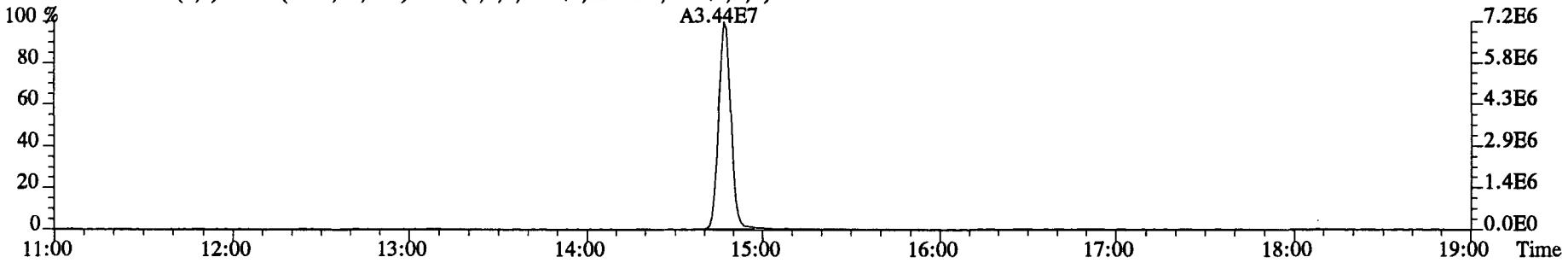
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16316.0,1.00%,F,T)



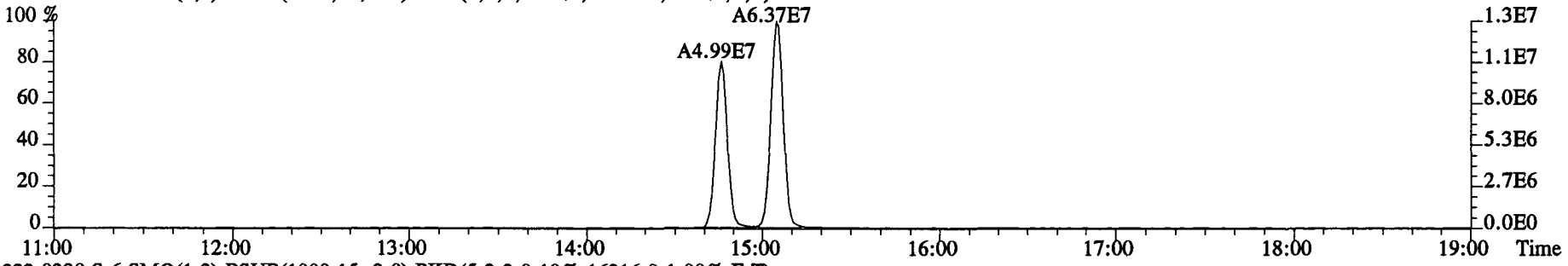
File:24SE105D2 #1-1242 Acq:24-SEP-2010 12:18:01 GC EI+ Voltage SIR 70SE
Sample#6 Text:L6647-1-AA :G0I180489-6 Exp:DB225RES
327.8840 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12676.0,1.00%,F,T)



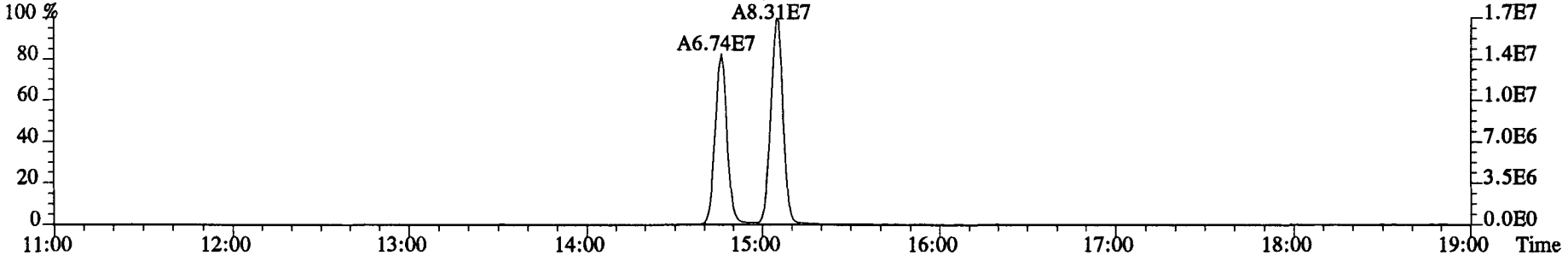
327.8840 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12676.0,1.00%,F,T)



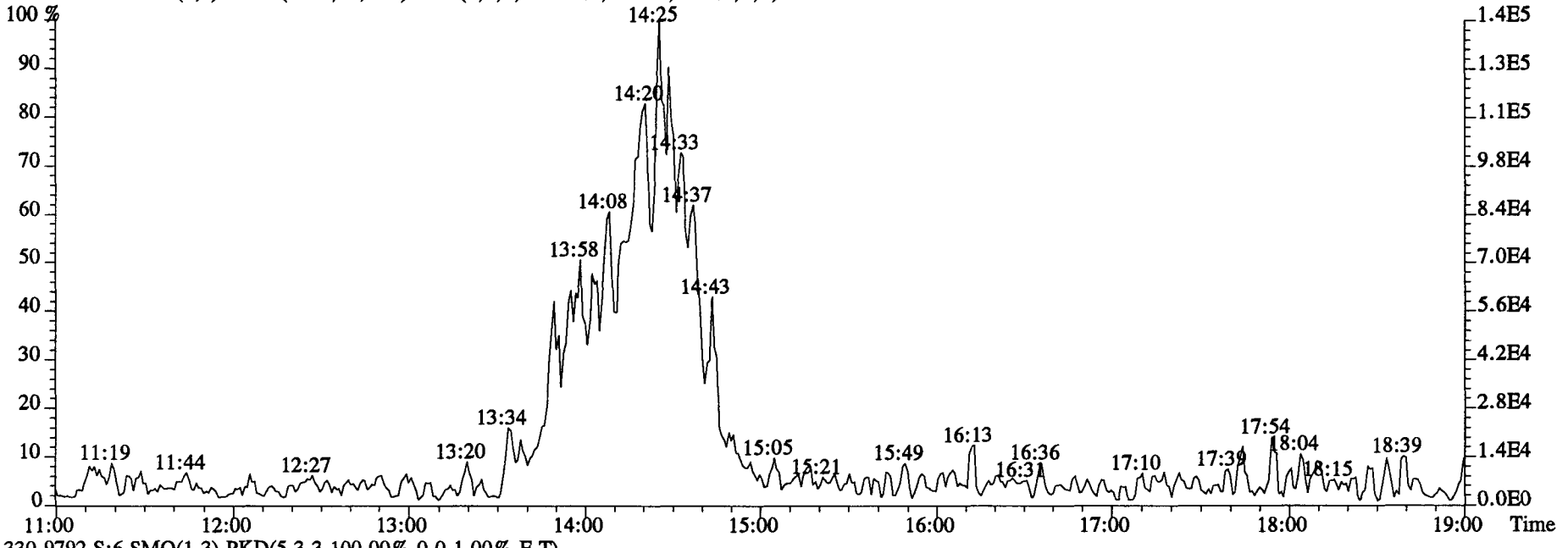
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25916.0,1.00%,F,T)



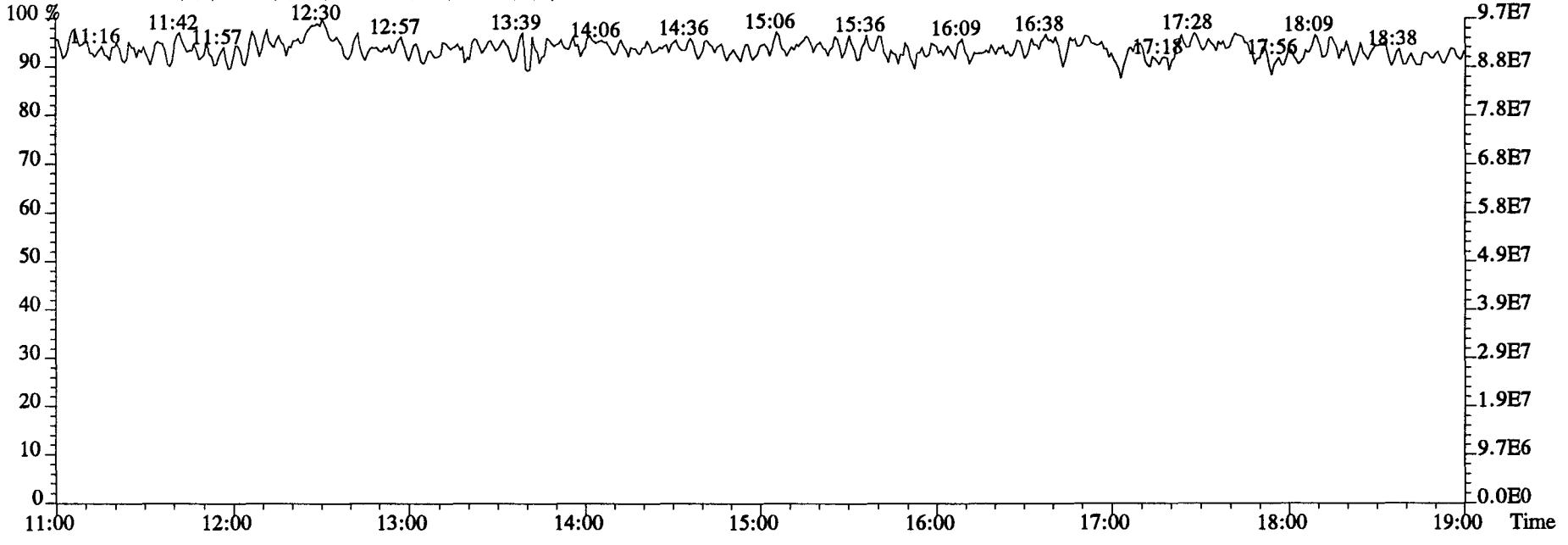
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16316.0,1.00%,F,T)



File:24SE105D2 #1-1242 Acq:24-SEP-2010 12:18:01 GC EI+ Voltage SIR 70SE
Sample#6 Text:L6647-1-AA :G0I180489-6 Exp:DB225RES
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,6964.0,1.00%,F,T)



330.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID T09 **Associated ICAL** T090914101D5

Column ID DB5 **Instrument ID** 1D5

STD ID ST0922D, ST0922E **STD Solution** 10DXN426

Analyzed by A.M., M.G. **Date Analyzed** 9/23/10, 9/24/10

Std. Pkg. By M.G. **Date Std. Pkg. Assembled** 9/24/10

Std. Pkg. Reviewed By VB **Date Std. Pkg. Reviewed** 9.24.10

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

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0922D File text: ST0922D :CS3 10DXN426
Run #6 Filename 22SE10B1D5 S: 30 I: 1
Acquired: 23-SEP-10 20:24:46 Processed: 24-SEP-10 08:34:21
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1D5TO9

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	446370000	0.81	y	17:55	-	100.00	-	n
13C-2,3,7,8-TCDF	711064000	0.81	y	17:23	1.59	100.00	1.9	n
2,3,7,8-TCDF	79059200	0.79	y	17:23	1.11	10.00	13.0	n
Total TCDF	79551367	1.01	n	16:29	1.11	10.00	13.0	n
13C-2,3,7,8-TCDD	445018000	0.79	y	18:06	1.00	100.00	8.3	n
2,3,7,8-TCDD	47633200	0.77	y	18:07	1.07	10.00	3.8	n
Total TCDD	47723810	3.11	n	17:23	1.07	10.00	3.8	n
37Cl-2,3,7,8-TCDD	55223400	1.00	y	18:07	1.24	10.00	1.2	n
13C-1,2,3,7,8-PeCDF	509715000	1.63	y	22:30	1.14	100.00	8.5	n
1,2,3,7,8-PeCDF	329581000	1.61	y	22:32	1.29	50.00	18.4	n
2,3,4,7,8-PeCDF	309949000	1.60	y	23:52	1.22	50.00	19.5	n
Total F2 PeCDF	646556487	1.61	y	22:32	1.25	100.00	18.9	n
Total F1 PeCDF	577109	0.86	n	15:26	1.25	100.00	18.9	n
13C-1,2,3,7,8-PeCDD	300962000	1.64	y	24:34	0.67	100.00	20.2	n
1,2,3,7,8-PeCDD	170639600	1.65	y	24:36	1.13	50.00	5.9	n
Total PeCDD	170639600	1.65	y	24:36	1.13	50.00	5.9	n
13C-1,2,3,7,8,9-HxCDD	405045000	1.27	y	30:53	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	474738000	0.53	y	29:36	1.17	100.00	18.3	n
1,2,3,4,7,8-HxCDF	337013000	1.25	y	29:37	1.42	50.00	12.6	n
1,2,3,6,7,8-HxCDF	362649000	1.29	y	29:45	1.53	50.00	-0.2	n
2,3,4,6,7,8-HxCDF	347223000	1.27	y	30:22	1.46	50.00	3.9	n
1,2,3,7,8,9-HxCDF	313317000	1.27	y	31:04	1.32	50.00	-5.5	n
Total HxCDF	1360202000	1.25	y	29:37	1.43	200.00	2.4	n
13C-1,2,3,6,7,8-HxCDD	352761000	1.30	y	30:35	0.87	100.00	17.8	n
1,2,3,4,7,8-HxCDD	203358700	1.27	y	30:31	1.15	50.00	3.0	n
1,2,3,6,7,8-HxCDD	227995000	1.28	y	30:36	1.29	50.00	13.3	n
1,2,3,7,8,9-HxCDD	241480000	1.29	y	30:54	1.37	50.00	1.1	n
Total HxCDD	672833700	1.27	y	30:31	1.27	150.00	5.5	n
13C-1,2,3,4,6,7,8-HpCDF	350566000	0.45	y	32:29	0.87	100.00	-9.5	n
1,2,3,4,6,7,8-HpCDF	284483000	1.05	y	32:29	1.62	50.00	15.3	n
1,2,3,4,7,8,9-HpCDF	227879000	1.06	y	33:42	1.30	50.00	5.2	n
Total HpCDF	512362000	1.05	y	32:29	1.46	100.00	10.6	n
13C-1,2,3,4,6,7,8-HpCDD	247627000	1.10	y	33:21	0.61	100.00	-14.2	n
1,2,3,4,6,7,8-HpCDD	159464200	1.07	y	33:21	1.29	50.00	13.5	n
Total HpCDD	160454402	1.03	y	32:46	1.29	50.00	13.5	n
13C-OCDD	235323000	0.90	y	35:57	0.29	200.00	-17.6	n
OCDF	241805000	0.89	y	36:04	2.06	100.00	-2.9	n
OCDD	168400400	0.90	y	35:58	1.43	100.00	4.4	n

NS 9/24/10

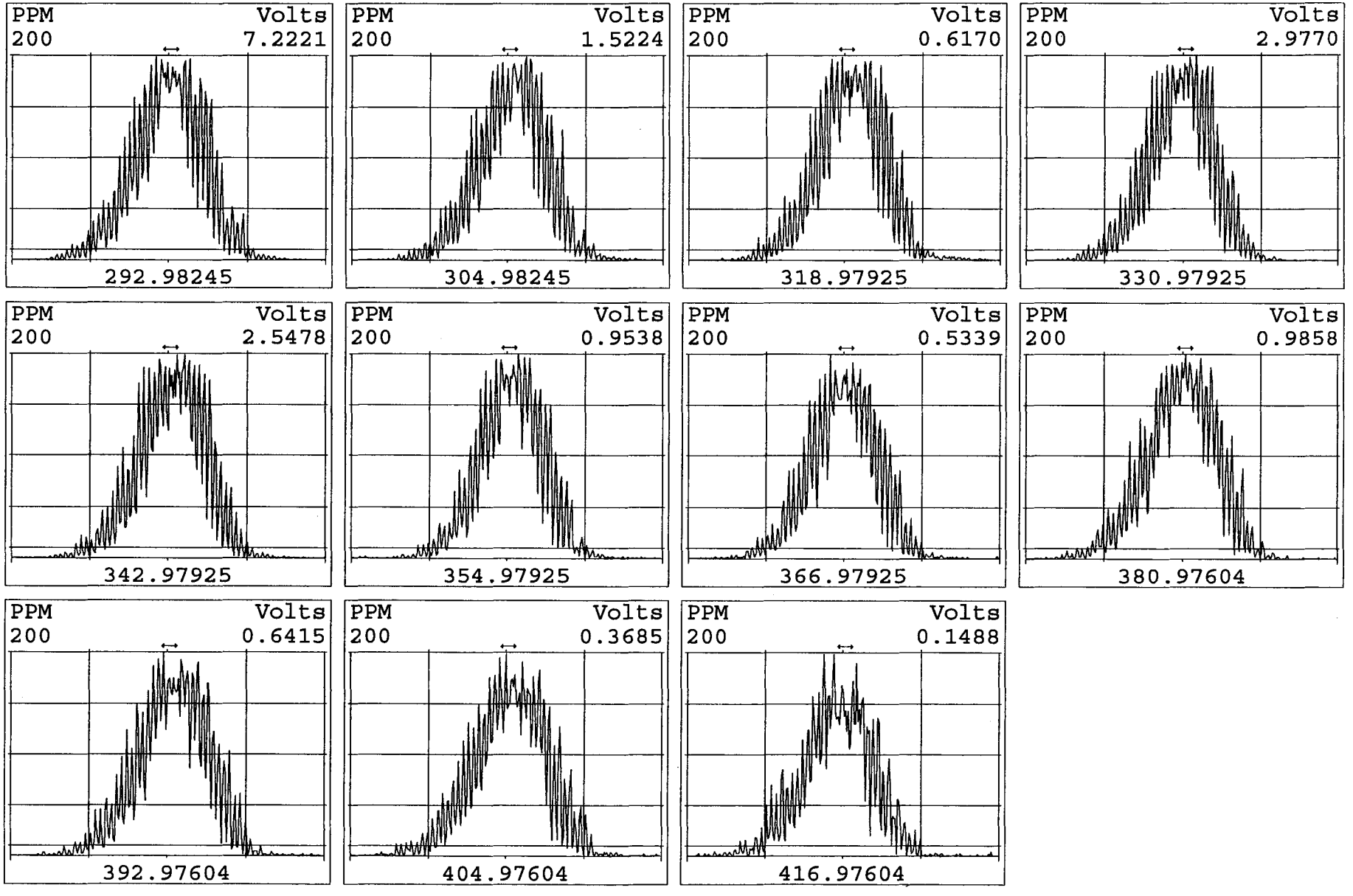
Run text: ST0922B E File text: ST0922B E :CS3 10DXN426
Run #18 Filename 22SE10B1D5 S: 45 I: 1
Acquired: 24-SEP-10 07:09:05 Processed: 24-SEP-10 08:34:31
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5 Results: 22SE10B1D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	403942000	0.81 y	17:53	-	100.00	-	n
13C-2,3,7,8-TCDF	678903000	0.81 y	17:21	1.68	100.00	7.5	n
2,3,7,8-TCDF	75629600	0.79 y	17:22	1.11	10.00	13.2	n
Total TCDF	76093843	0.92 n	17:00	1.11	10.00	13.2	n
13C-2,3,7,8-TCDD	399345000	0.81 y	18:04	0.99	100.00	7.4	n
2,3,7,8-TCDD	44640500	0.77 y	18:05	1.12	10.00	8.4	n
Total TCDD	44827162	1.75 n	15:15	1.12	10.00	8.4	n
37Cl-2,3,7,8-TCDD	49346400	1.00 y	18:05	1.24	10.00	0.8	n
13C-1,2,3,7,8-PeCDF	494449000	1.63 y	22:27	1.22	100.00	16.3	n
1,2,3,7,8-PeCDF	313757000	1.62 y	22:29	1.27	50.00	16.2	n
2,3,4,7,8-PeCDF	294936000	1.59 y	23:49	1.19	50.00	17.2	n
Total F2 PeCDF	613667696	1.78 y	21:07	1.23	100.00	16.7	n
Total F1 PeCDF	751937	1.05 n	14:32	1.23	100.00	16.7	n
13C-1,2,3,7,8-PeCDD	273967000	1.62 y	24:31	0.68	100.00	20.9	n
1,2,3,7,8-PeCDD	162461300	1.60 y	24:33	1.19	50.00	10.8	n
Total PeCDD	162726860	2.51 n	24:14	1.19	50.00	10.8	n
13C-1,2,3,7,8,9-HxCDD	373769000	1.28 y	30:51	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	431126000	0.52 y	29:34	1.15	100.00	16.4	n
1,2,3,4,7,8-HxCDF	310229000	1.26 y	29:35	1.44	50.00	14.1	n
1,2,3,6,7,8-HxCDF	335195000	1.26 y	29:43	1.55	50.00	1.6	n
2,3,4,6,7,8-HxCDF	304654000	1.25 y	30:20	1.41	50.00	0.4	n
1,2,3,7,8,9-HxCDF	282329000	1.27 y	31:03	1.31	50.00	-6.2	n
Total HxCDF	1232407000	1.26 y	29:35	1.43	200.00	2.2	n
13C-1,2,3,6,7,8-HxCDD	299162000	1.28 y	30:34	0.80	100.00	8.2	n
1,2,3,4,7,8-HxCDD	189085200	1.26 y	30:29	1.26	50.00	12.9	n
1,2,3,6,7,8-HxCDD	193523900	1.30 y	30:35	1.29	50.00	13.4	n
1,2,3,7,8,9-HxCDD	217490900	1.30 y	30:52	1.45	50.00	7.4	n
Total HxCDD	600100000	1.26 y	30:29	1.34	150.00	11.0	n
13C-1,2,3,4,6,7,8-HpCDF	316564200	0.46 y	32:27	0.85	100.00	-11.4	n
1,2,3,4,6,7,8-HpCDF	256526000	1.04 y	32:28	1.62	50.00	15.1	n
1,2,3,4,7,8,9-HpCDF	205505600	1.06 y	33:41	1.30	50.00	5.1	n
Total HpCDF	462031600	1.04 y	32:28	1.46	100.00	10.4	n
13C-1,2,3,4,6,7,8-HpCDD	234402000	1.08 y	33:19	0.63	100.00	-11.9	n
1,2,3,4,6,7,8-HpCDD	148139300	1.06 y	33:20	1.26	50.00	11.4	n
Total HpCDD	148511594	0.75 n	32:45	1.26	50.00	11.4	n
13C-OCDD	212533000	0.90 y	35:56	0.28	200.00	-19.4	n
OCDF	222415000	0.90 y	36:03	2.09	100.00	-1.2	n
OCDD	148565700	0.91 y	35:56	1.40	100.00	2.0	n

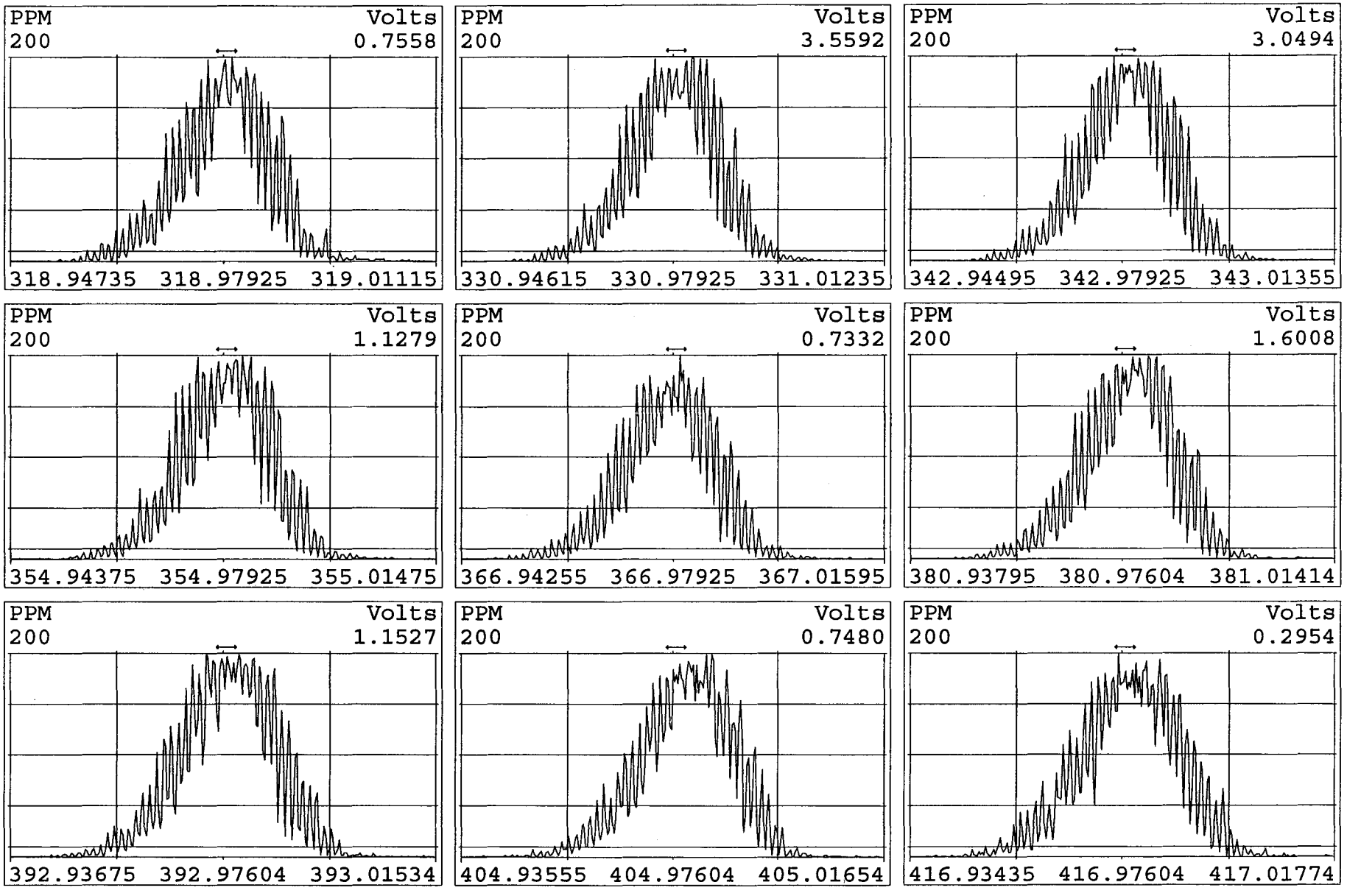
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
22SE10B1D5	1	ST0922B	CS3 10DXN426				1.00000	
22SE10B1D5	2	CP0922A	DB-5 CPSM 3732-08				1.00000	
22SE10B1D5	3	SB0922	Solvent Blank C-14				1.00000	
22SE10B1D5	4	L6ML3-1-AA	G0I080415-11	20	8290/WASTE	44	0.10600	g
22SE10B1D5	5	L6ML4-1-AA	G0I080415-12	20	8290/WASTE		0.10000	g
22SE10B1D5	6	L6ML5-1-AA	G0I080415-13	20	8290/WASTE		0.10000	g
22SE10B1D5	7	L6ML6-1-AA	G0I080415-14	20	8290/WASTE		0.10500	g
22SE10B1D5	8	L6ML7-1-AA	G0I080415-15	20	8290/WASTE		0.10000	g
22SE10B1D5	9	L6ML8-1-AA	G0I080415-16	20	8290/WASTE		0.10400	g
22SE10B1D5	10	L6ML9-1-AA	G0I080415-17	20	8290/WASTE		0.10900	g
22SE10B1D5	11	L6MMA-1-AA	G0I080415-18	20	8290/WASTE		0.10000	g
22SE10B1D5	12	L6MMC-1-AA	G0I080415-19	20	8290/WASTE		0.10000	g
22SE10B1D5	13	L6MML-1-AA	G0I080415-20	20	8290/WASTE		0.10600	g
22SE10B1D5	14	L6QV8-1-AA	G0I090568-2	20	8290/WATER	42	1.02863	L
22SE10B1D5	15	L6N11-1-AC	G0I080000-393C	20	8290/SOLID	36	10.00000	g
22SE10B1D5	16	ST0922C	CS3 10DXN426				1.00000	
22SE10B1D5	17	CP0922B	DB-5 CPSM 3732-08				1.00000	
22SE10B1D5	18	L614K-1-AAB	G0I140553-1MB	20	8290/SOLID	47	10.00000	g
22SE10B1D5	19	L56PW-1-AC	G0H260526-1 RI	20	8290/SOLID	36	10.40000	g
22SE10B1D5	20	L56PX-1-AC	G0H260526-2 RI	20	8290/SOLID		10.55000	g
22SE10B1D5	21	L56P3-1-AC	G0H260526-5	20	8290/SOLID		10.89000	g
22SE10B1D5	22	L56P4-1-AC	G0H260526-6	20	8290/SOLID		10.37000	g
22SE10B1D5	23	L56P5-1-AC	G0H260526-7	20	8290/SOLID		10.13000	g
22SE10B1D5	24	L56P7-1-AC	G0H260526-8	20	8290/SOLID		10.53000	g
22SE10B1D5	25	L56P8-1-AC	G0H260526-9	20	8290/SOLID		10.52000	g
22SE10B1D5	26	L56QA-1-AC	G0H260526-11	20	8290/SOLID		10.10000	g
22SE10B1D5	27	L56QE-1-AC	G0H260526-12	20	8290/SOLID		10.34000	g
22SE10B1D5	28	L6N13-1-AC	G0I080000-394C	20	23/AIR	41	0.50000	Sam
22SE10B1D5	29	L6N13-1-AD	G0I080000-394L	20	23/AIR		0.50000	Sam
22SE10B1D5	30	ST0922D	CS3 10DXN426				1.00000	
22SE10B1D5	31	CP0922C	DB-5 CPSM 3732-08				1.00000	
22SE10B1D5	32	L620V-1-AA	G0I160000-189B	10	8290/SOLID	49	10.00000	g
22SE10B1D5	33	L56QG-1-AC	G0H260526-13	20	8290/SOLID	36	10.00000	g
22SE10B1D5	34	L674R-1-ACC	G0I180489-1LCS	20	TO9/SOLID	53	0.50000	Sam
22SE10B1D5	35	L674R-1-ADL	G0I180489-1DCS	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	36	L674R-1-AAB	G0I180489-1MB	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	37	L6642-1-AA	G0I180489-1	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	38	L6643-1-AA	G0I180489-2	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	39	L6644-1-AA	G0I180489-3	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	40	L6645-1-AA	G0I180489-4	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	41	L6646-1-AA	G0I180489-5	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	42	L6647-1-AA	G0I180489-6	20	TO9/SOLID		0.50000	Sam
22SE10B1D5	43	L56QM-1-AC	G0H260526-15	20	8290/SOLID	36	10.55000	g
22SE10B1D5	44	L620V-1-AC	G0I160000-189C	10	8290/SOLID	49	10.00000	g
22SE10B1D5	45	ST0922E	CS3 10DXN426		reviewed to #45		1.00000	
22SE10B1D5	46	CP0922D	DB-5 CPSM 3732-08		by ho 9/23/10		1.00000	
22SE10B1D5	47	SB0922	Solvent Blank C-14				1.00000	
22SE10B1D5	48	L56QW-1-AC	G0H260526-16	20	8290/SOLID	36	10.39000	g
22SE10B1D5	49	L56Q0-1-AC	G0H260526-17	20	8290/SOLID		10.40000	g
22SE10B1D5	50	L56Q1-1-AC	G0H260526-18	20	8290/SOLID		10.37000	g
22SE10B1D5	51	L56Q2-1-AC	G0H260526-19	20	8290/SOLID		10.25000	g
22SE10B1D5	52	L56Q3-1-AC	G0H260526-20	20	8290/SOLID		10.36000	g
22SE10B1D5	53	L56Q4-1-AC	G0H260526-21	20	8290/SOLID		10.38000	g

22SE10B1D5 54	L6QN5-1-AC	G0I090553-12	20	8290/SOLID	47	10.14000 g
22SE10B1D5 55	SB0922	Solvent Blank C-14				1.00000
22SE10B1D5 56	ST0922F	CS3 10DXN426				1.00000
22SE10B1D5 57						1.00000
22SE10B1D5 58						1.00000
22SE10B1D5 59						1.00000
22SE10B1D5 60		AM,MG 09/22/10				1.00000

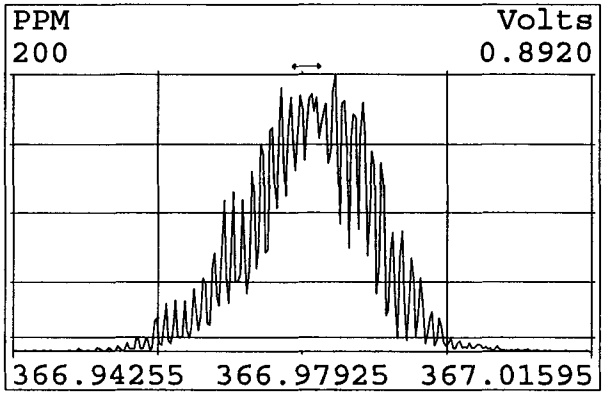
Peak Locate Examination:22-SEP-2010:23:30 File:22SE10B1D5
Experiment:DIOXINRES Function:1 Reference:PFK

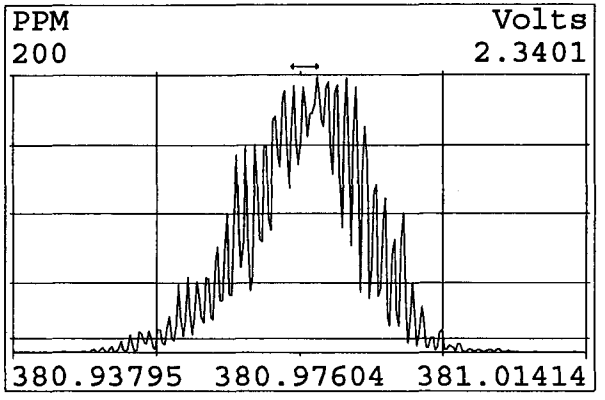


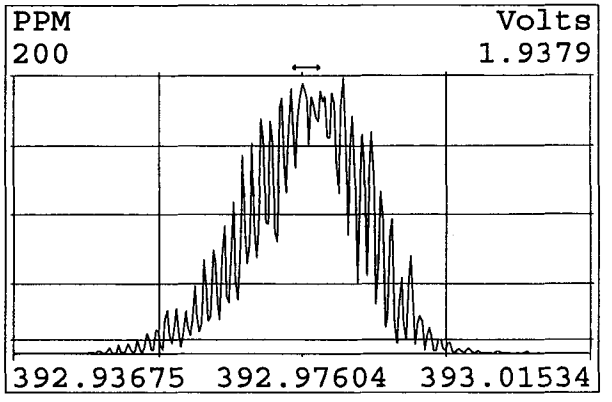
Peak Locate Examination:22-SEP-2010:23:31 File:22SE10B1D5
Experiment:DIOXINRES Function:2 Reference:PFK

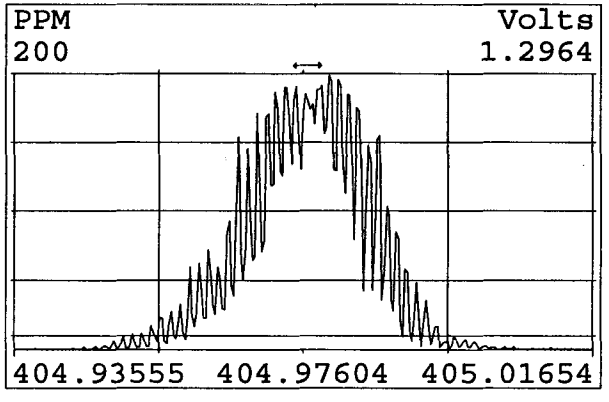


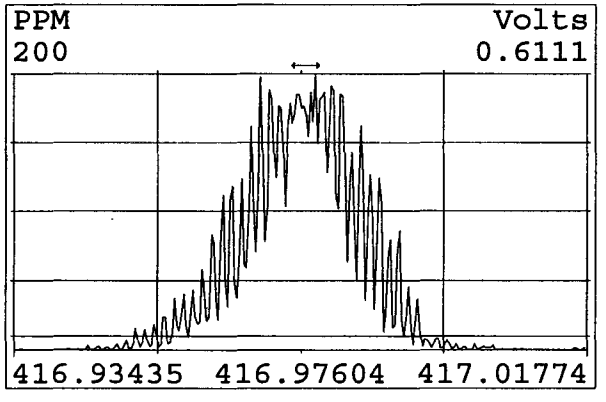
Peak Locate Examination:22-SEP-2010:23:33 File:22SE10B1D5
Experiment:DIOXINRES Function:3 Reference:PFK

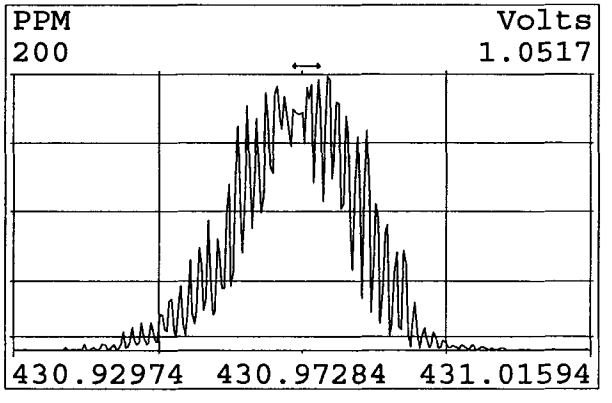


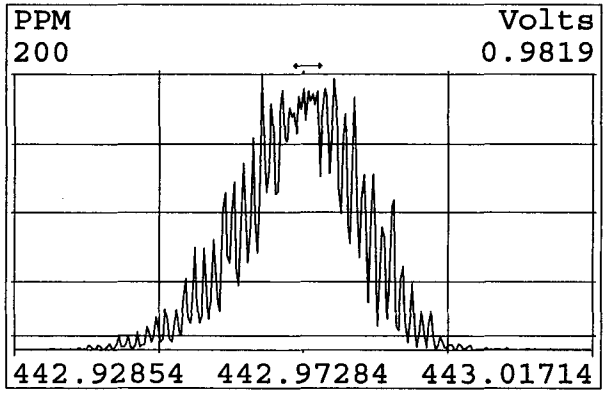


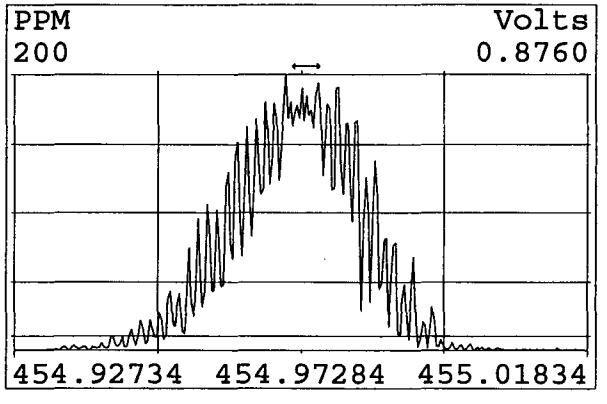




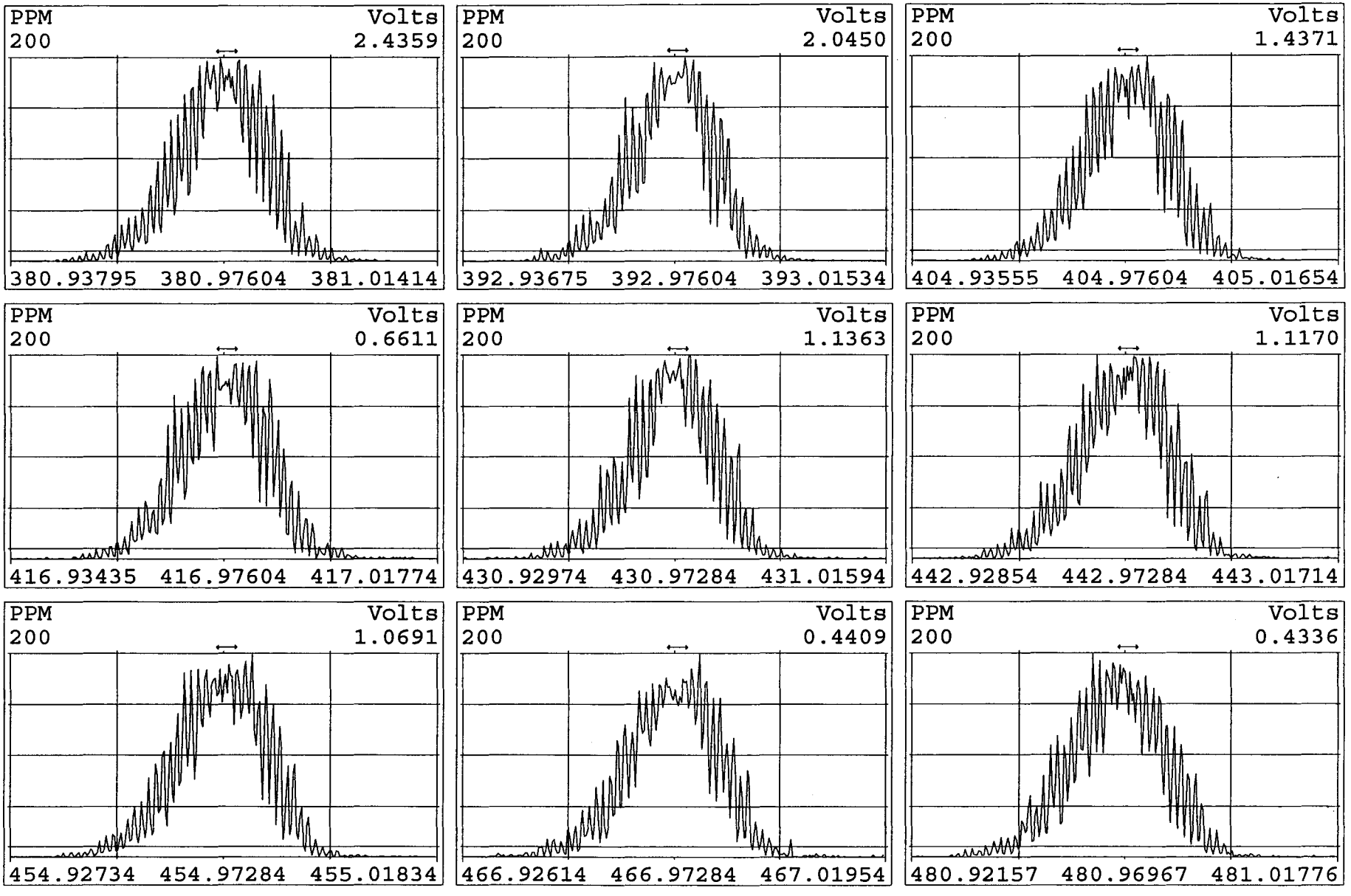




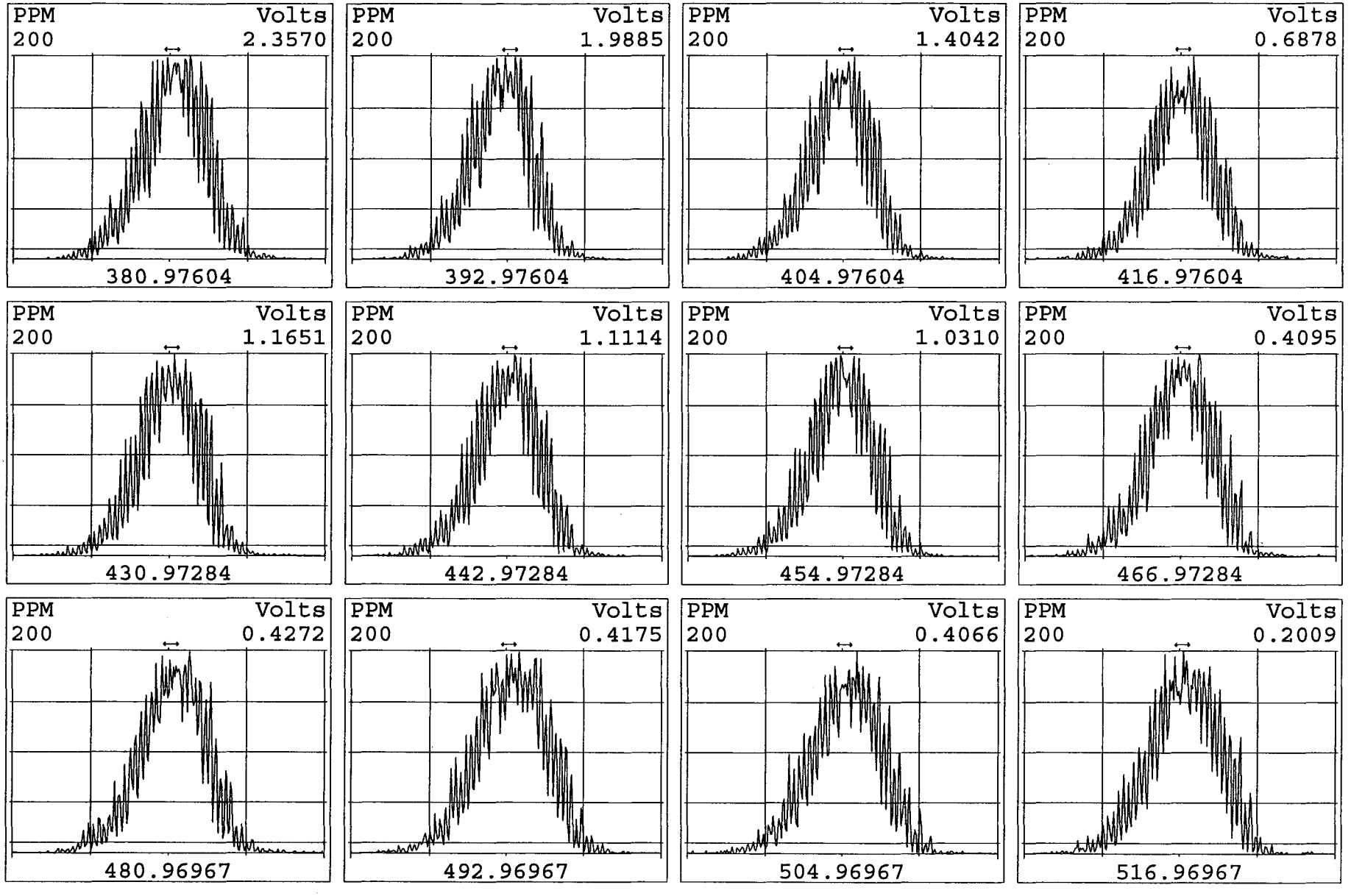




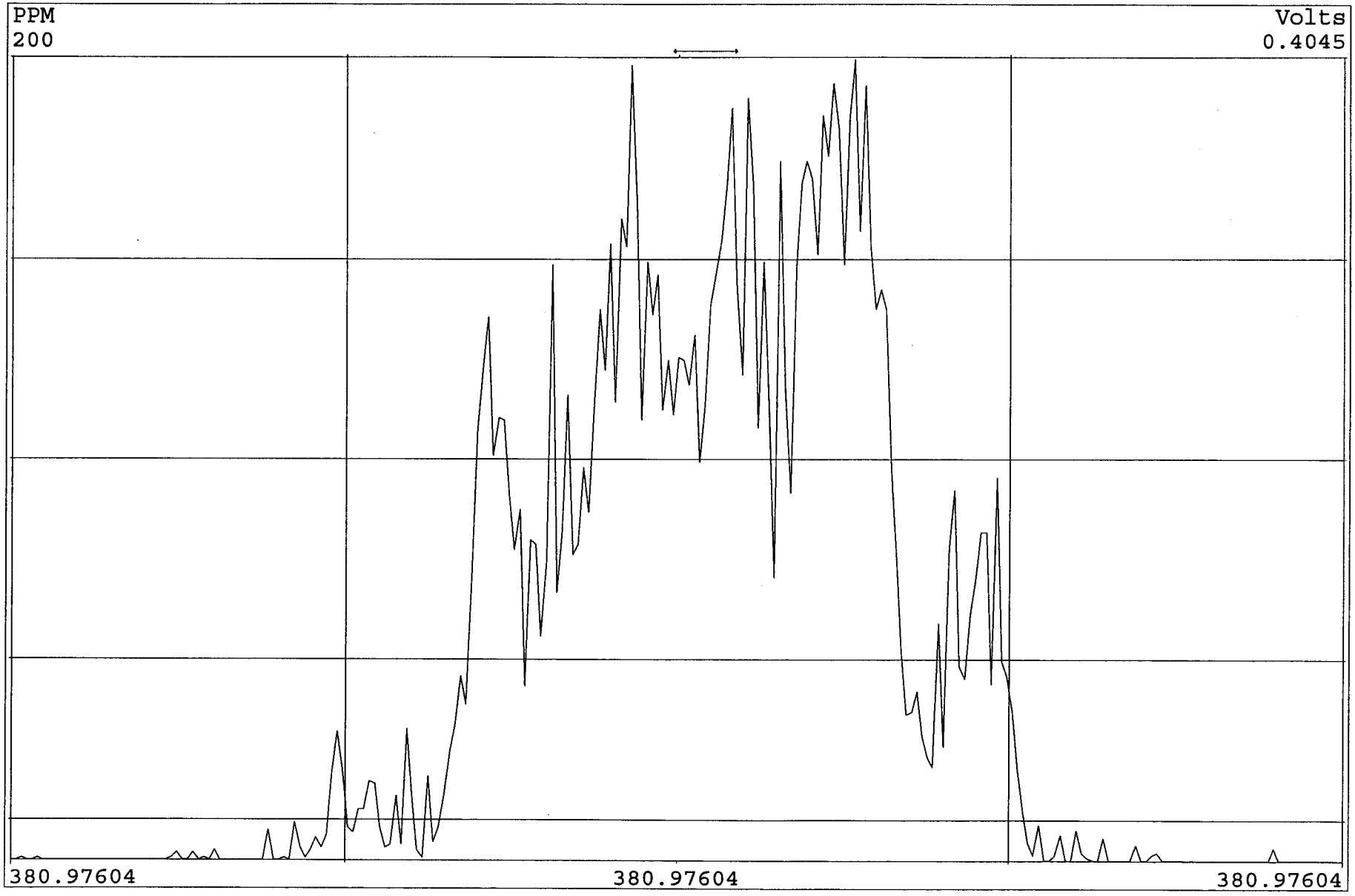
Peak Locate Examination:22-SEP-2010:23:34 File:22SE10B1D5
Experiment:DIOXINRES Function:4 Reference:PFK



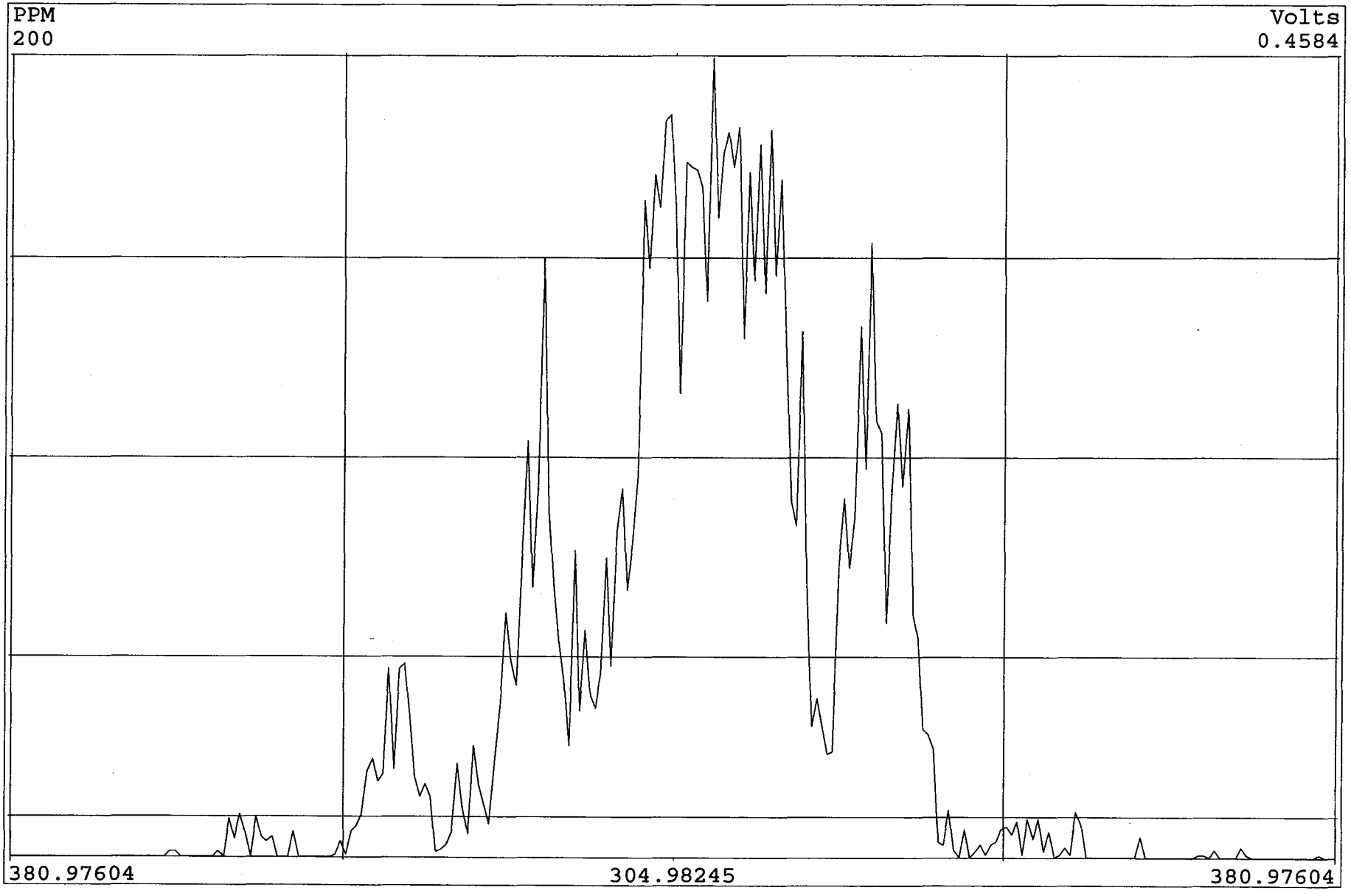
Peak Locate Examination:22-SEP-2010:23:36 File:22SE10B1D5
Experiment:DIOXINRES Function:5 Reference:PFK



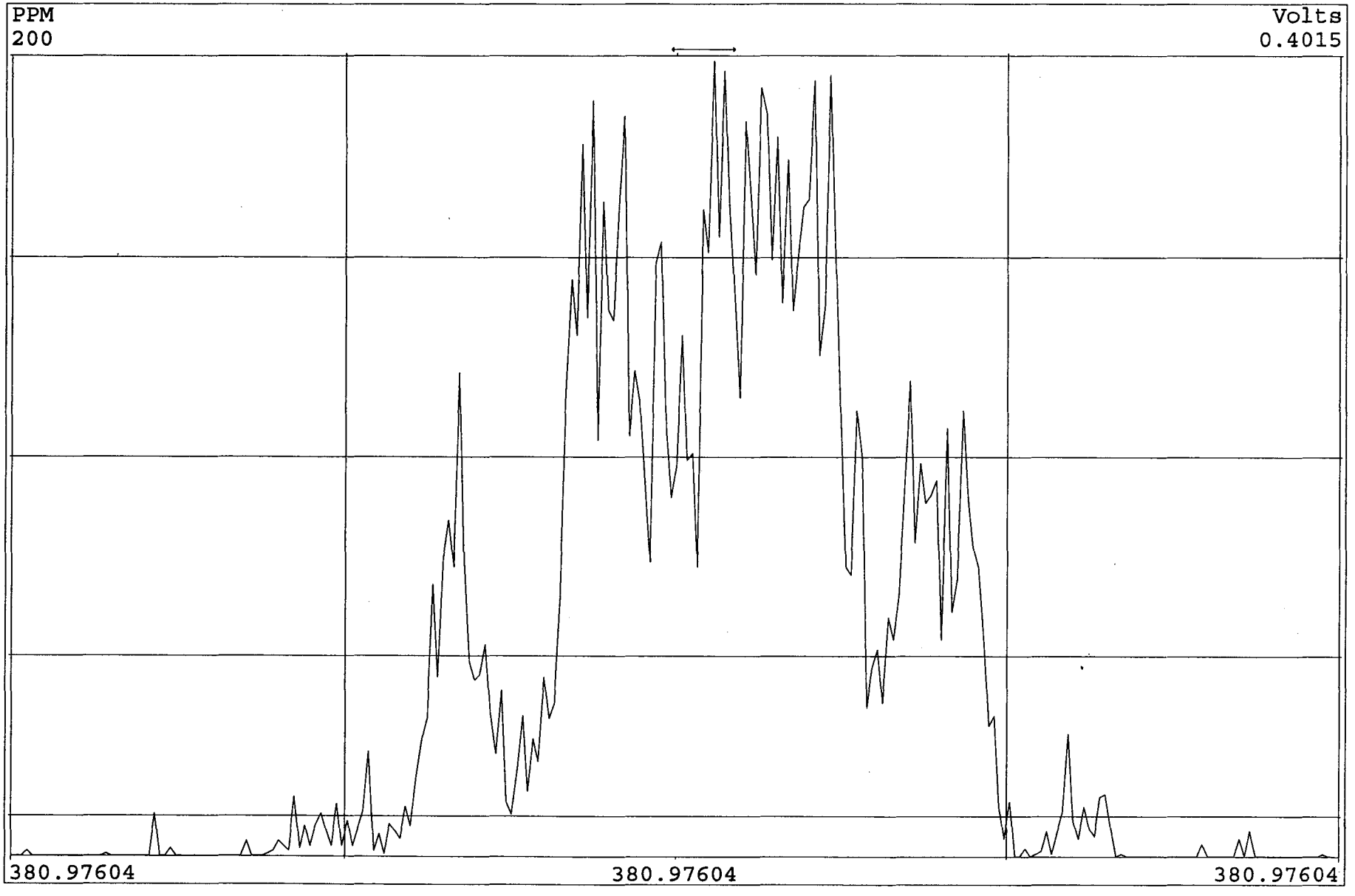
SIRLM Examination:23-SEP-2010:20:20 File:22SE10B1D5
Experiment:DIOXINRES Function:6



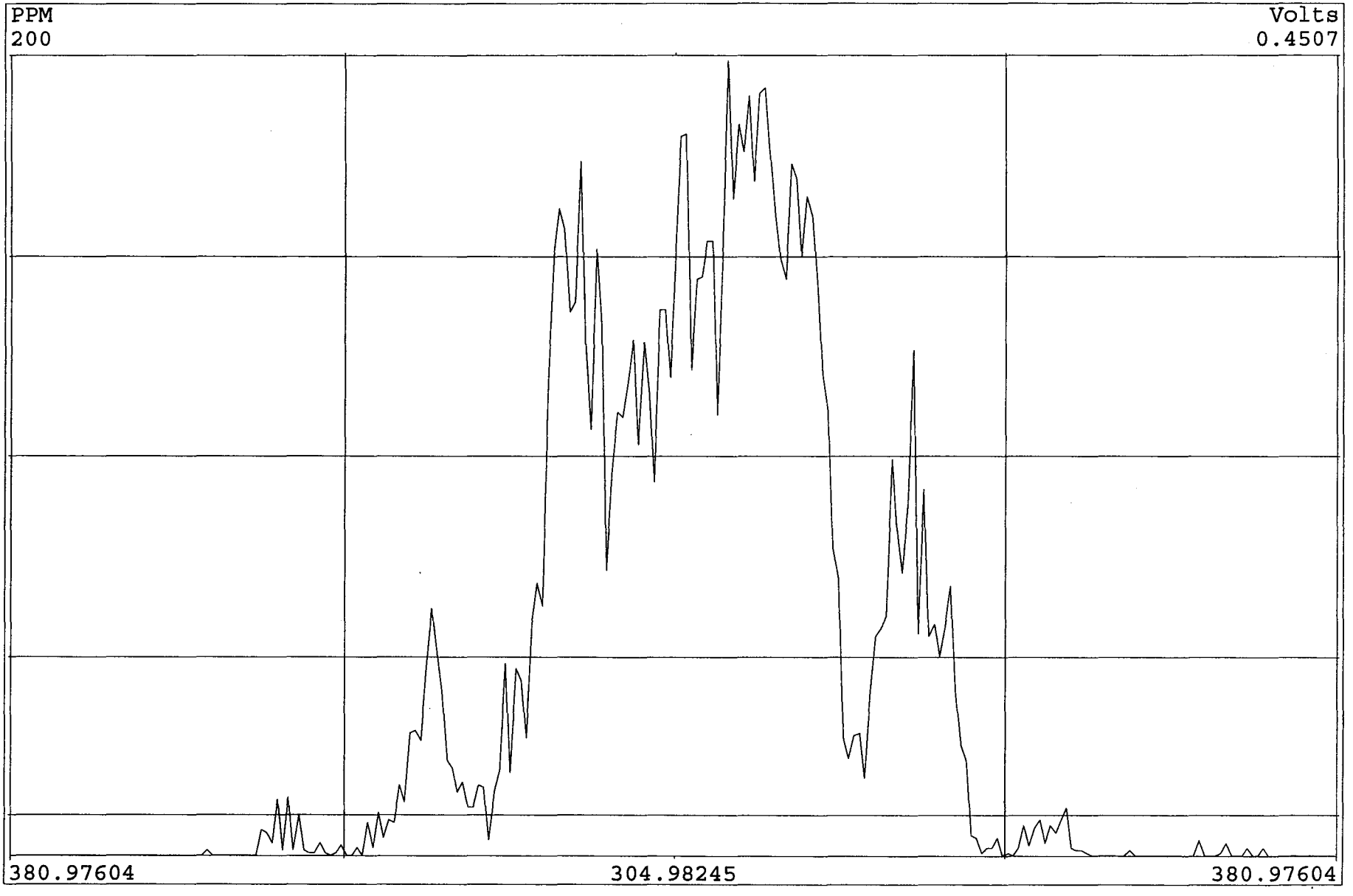
SIRLM Examination:23-SEP-2010:20:22 File:22SE10B1D5
Experiment:DIOXINRES Function:7



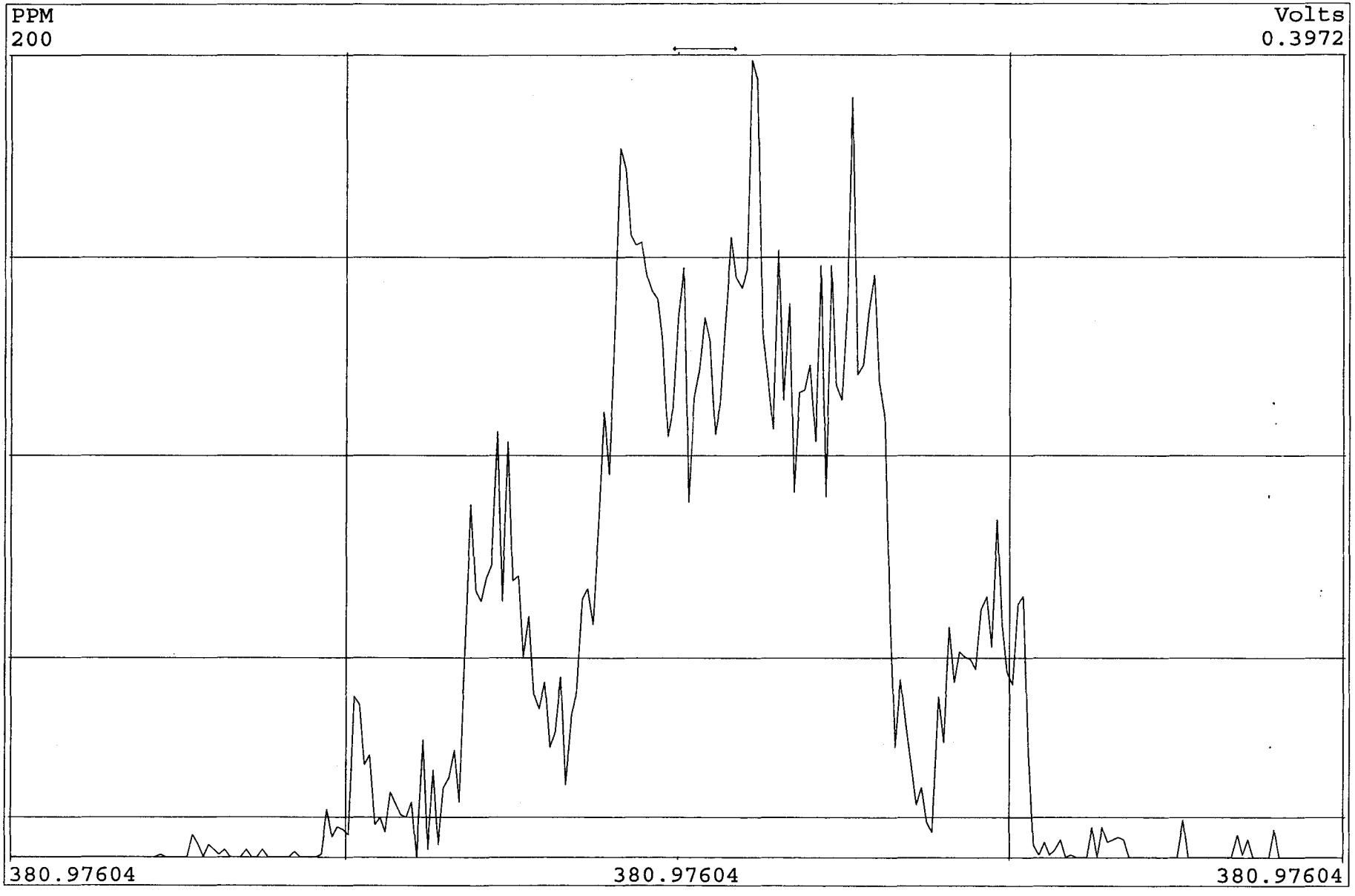
SIRLM Examination:23-SEP-2010:21:04 File:22SE10B1D5
Experiment:DIOXINRES Function:6



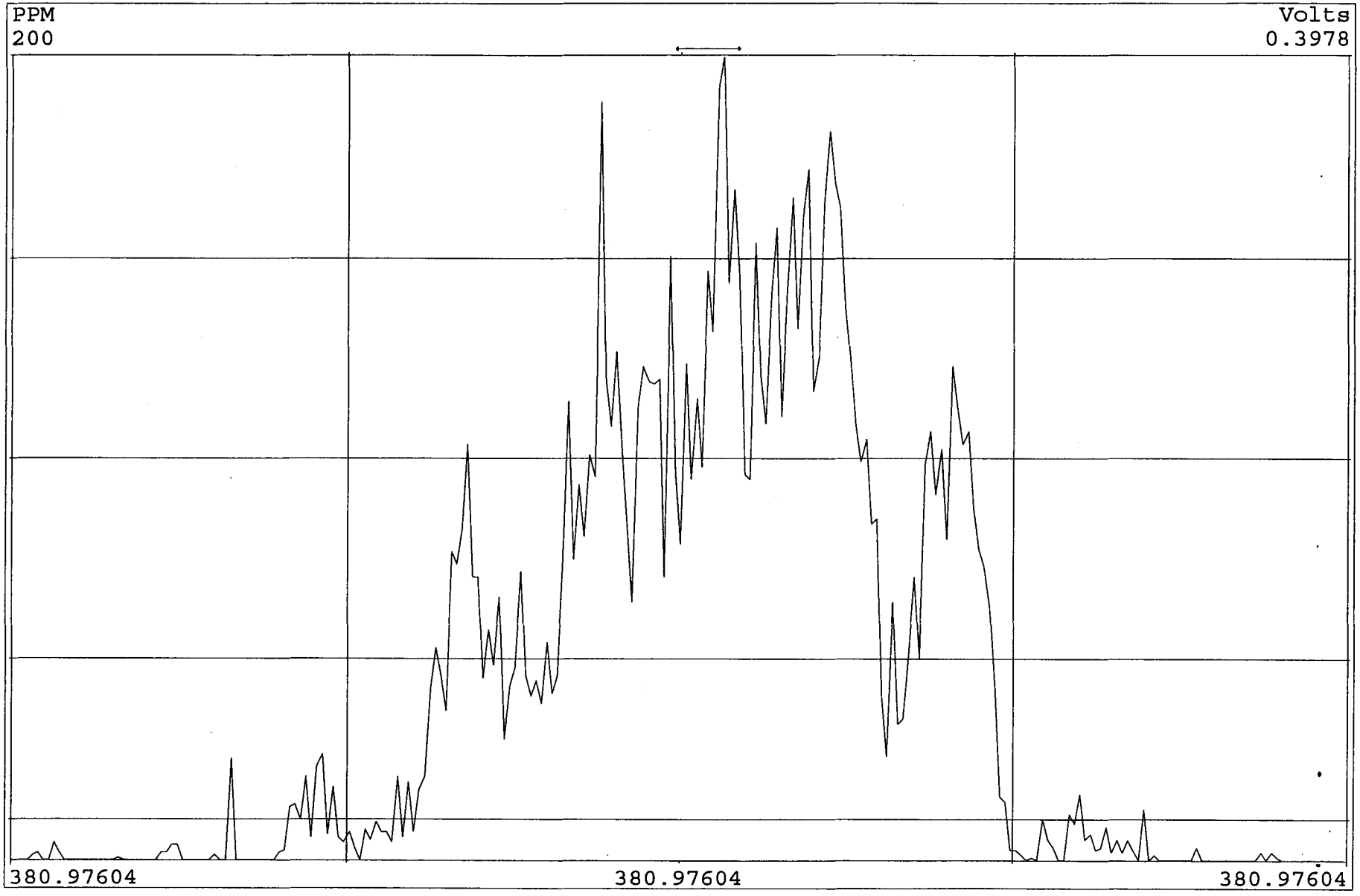
SIRLM Examination:23-SEP-2010:21:04 File:22SE10B1D5
Experiment:DIOXINRES Function:7



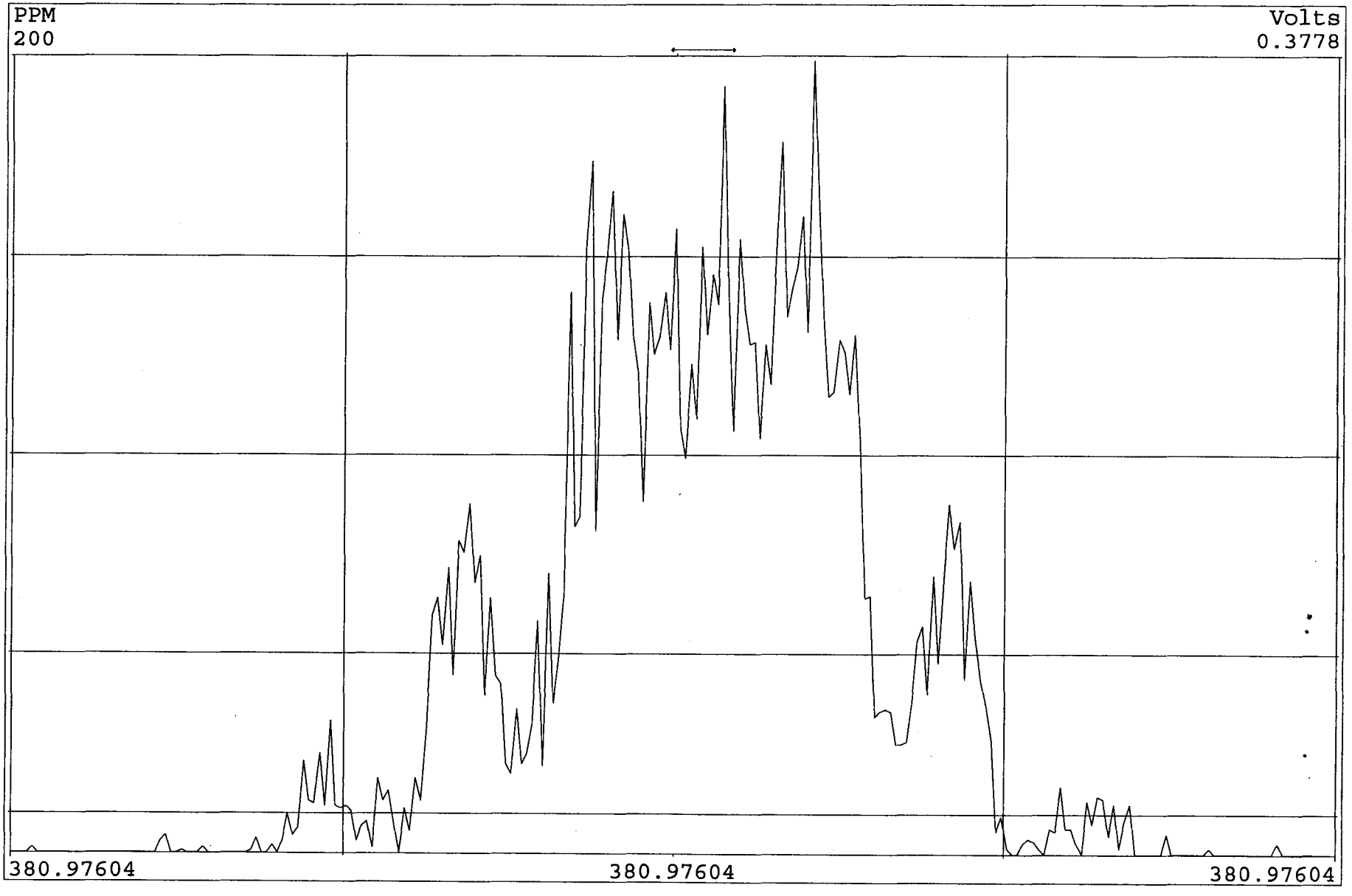
SIRLM Examination:24-SEP-2010:08:31 File:22SE10B1D5
Experiment:DIOXINRES Function:6



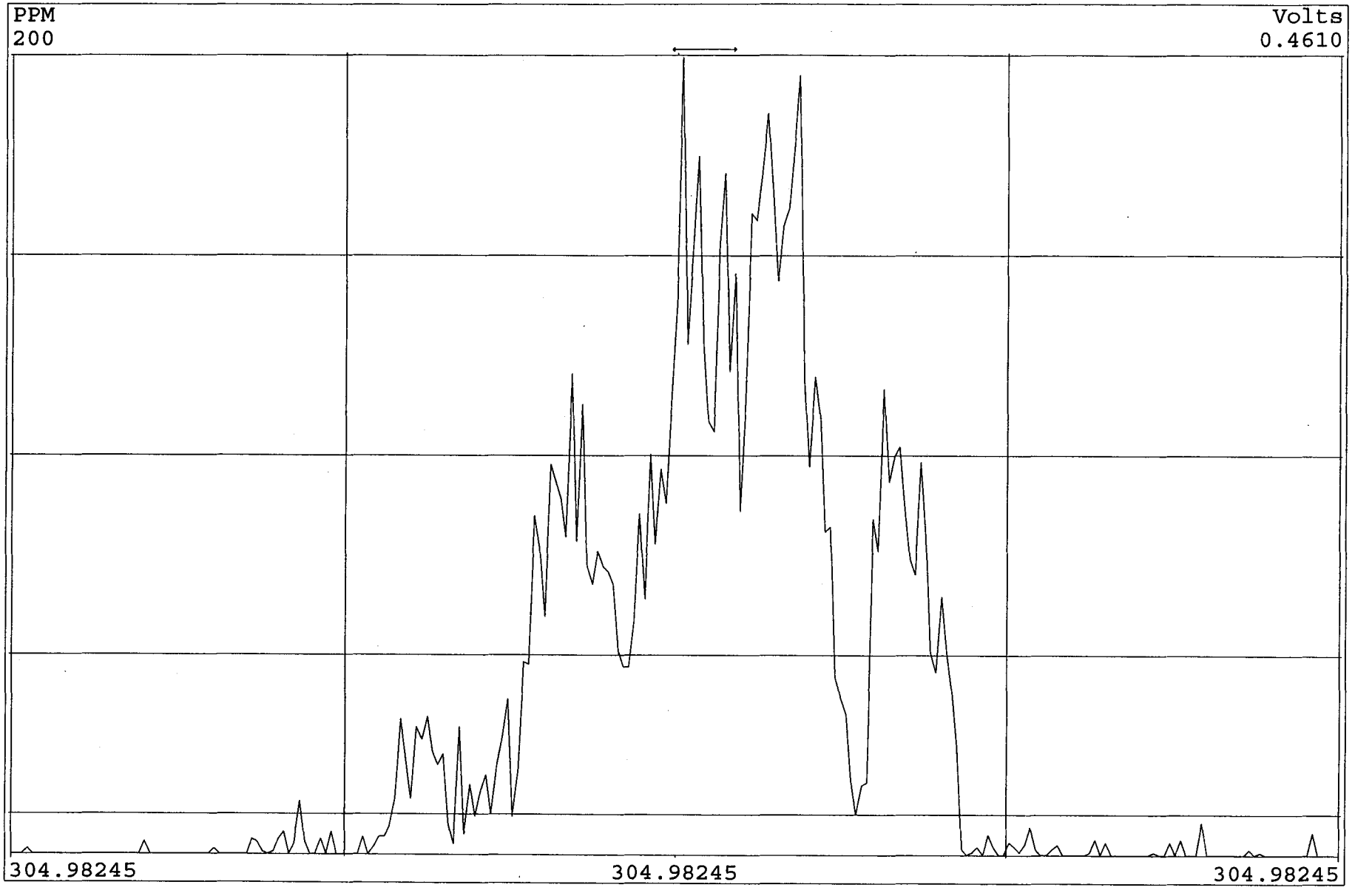
SIRLM Examination:24-SEP-2010:08:31 File:22SE10B1D5
Experiment:DIOXINRES Function:6



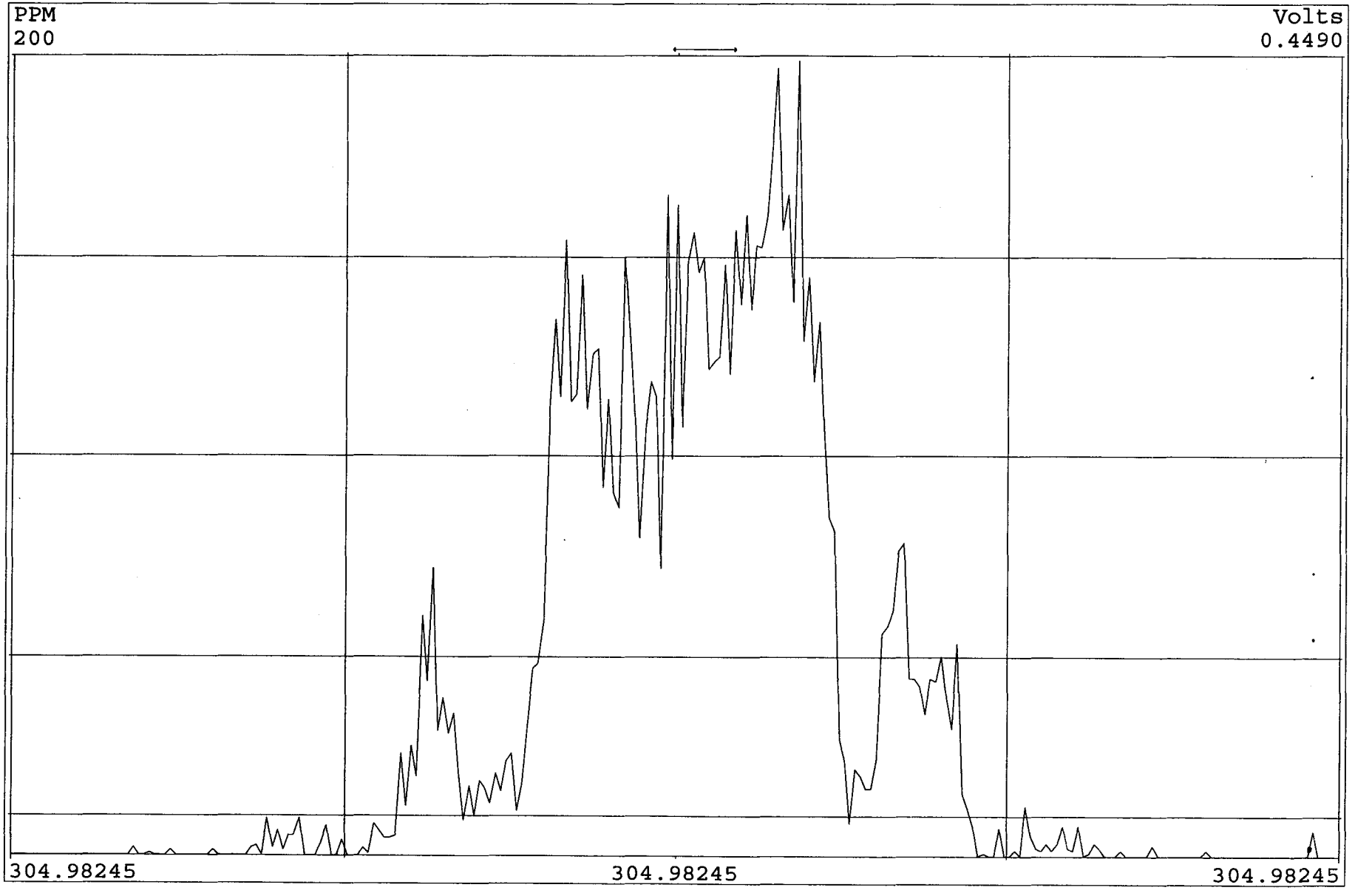
SIRLM Examination:24-SEP-2010:08:31 File:22SE10B1D5
Experiment:DIOXINRES Function:6



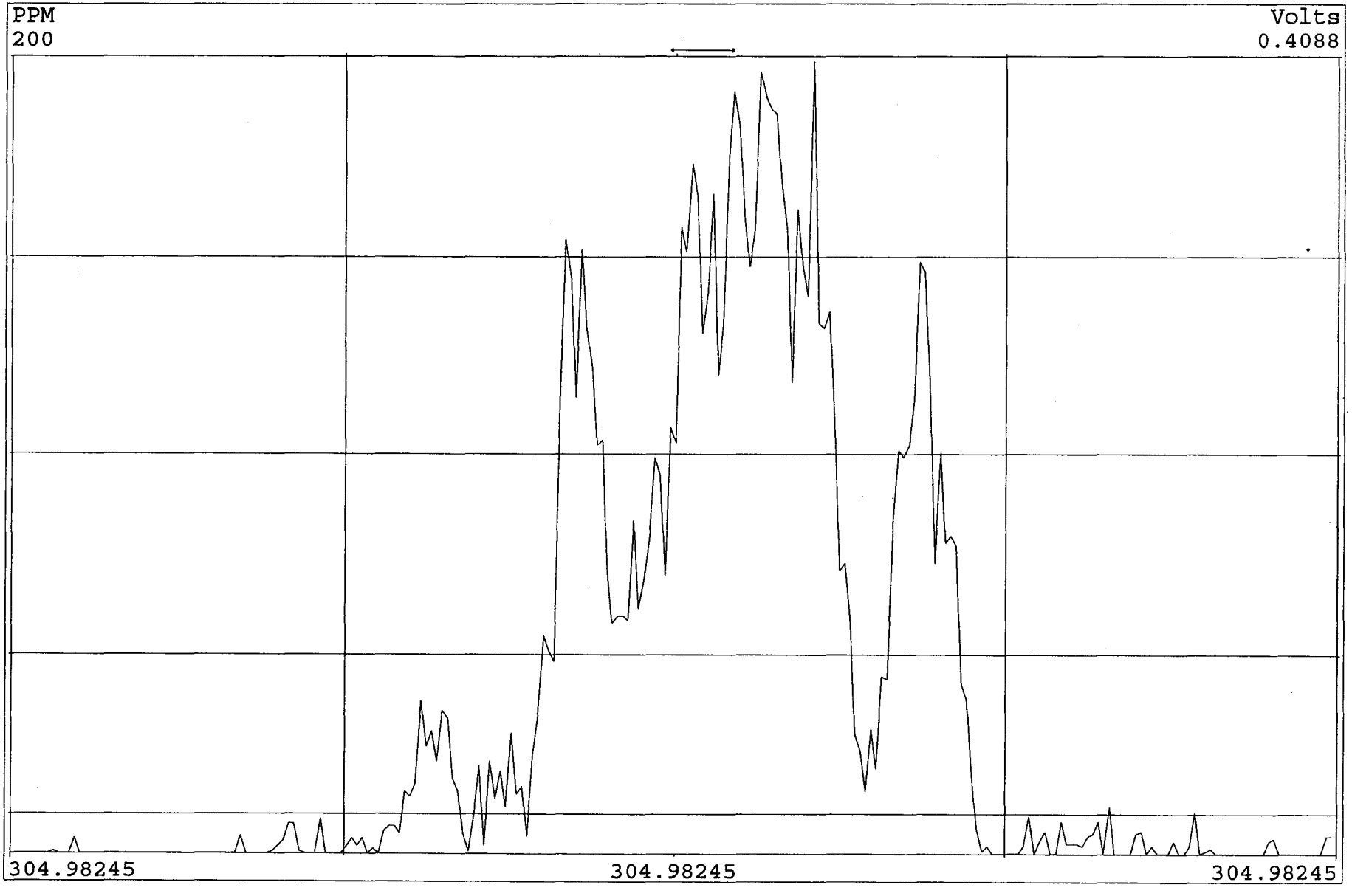
SIRLM Examination:24-SEP-2010:08:31 File:22SE10B1D5
Experiment:DIOXINRES Function:7



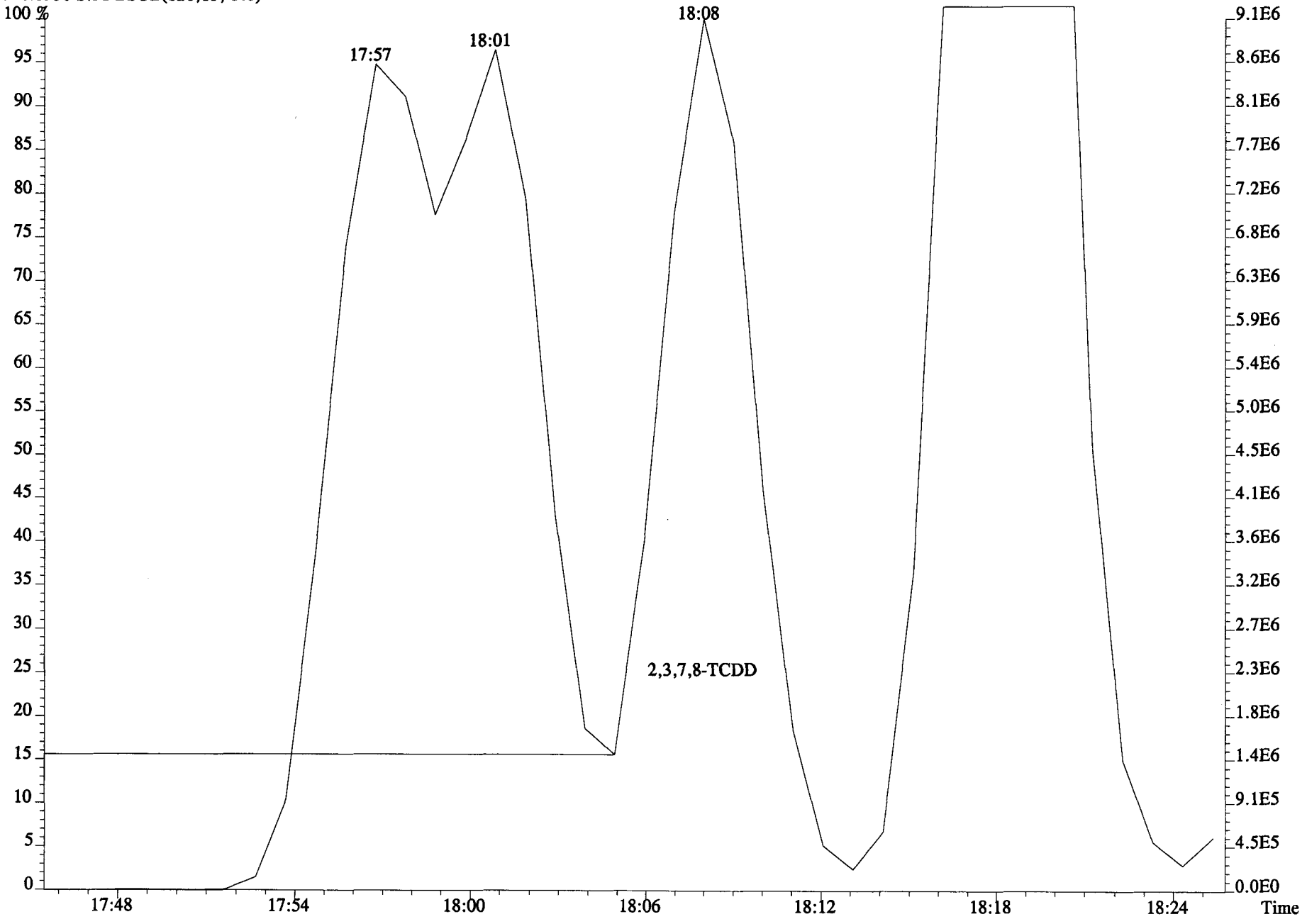
SIRLM Examination:24-SEP-2010:08:32 File:22SE10B1D5
Experiment:DIOXINRES Function:7



SIRLM Examination:24-SEP-2010:08:32 File:22SE10B1D5
Experiment:DIOXINRES Function:7



File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
321.8936 S:31 BSUB(128,15,-3.0)



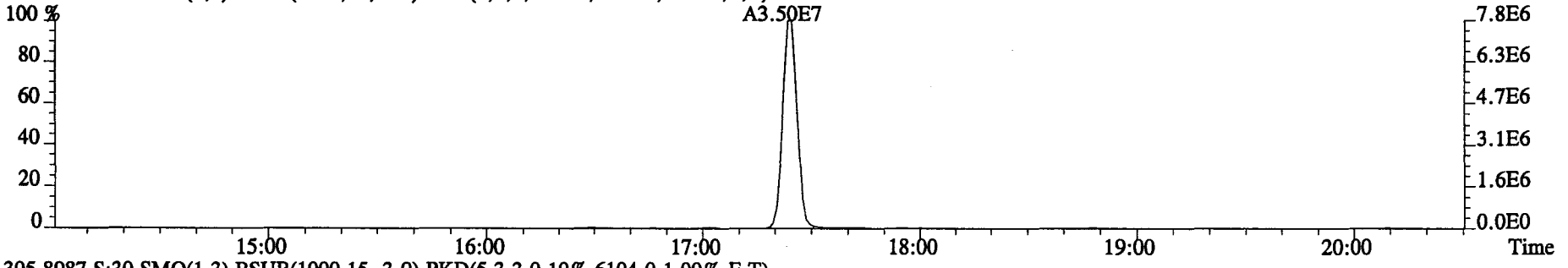
Run: 22SE10B1D5 Analyte: TO9 Cal: TO90914101D5

ST0914B :CS1 10DXN342 ST0914A :CS2 10DXN335 ST0914 :CS3 10DXN426
ST0914D :CS4 10DXN337 ST0914C :CS5 10DXN339

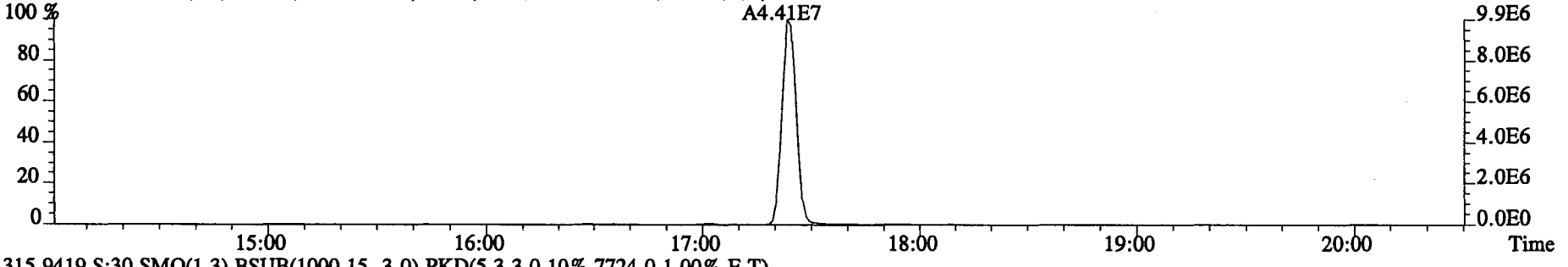
Name	Mean	S. D.	%RSD	14SE101D5 S4 RRF1	14SE101D5 S3 RRF2	14SE101D5 S2 RRF3	14SE101D5 S6 RRF4	14SE101D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.563	0.037	2.40 %	1.57	1.61	1.55	1.57	1.51
2,3,7,8-TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
Total TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
13C-2,3,7,8-TCDD	0.921	0.041	4.42 %	0.95	0.94	0.96	0.87	0.88
2,3,7,8-TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
Total TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
37Cl-2,3,7,8-TCDD	1.226	0.171	14.0 %	1.03	1.10	1.20	1.37	1.43
13C-1,2,3,7,8-PeCDF	1.053	0.139	13.2 %	1.15	1.20	1.10	0.96	0.86
1,2,3,7,8-PeCDF	1.092	0.151	13.8 %	0.89	0.97	1.22	1.19	1.19
2,3,4,7,8-PeCDF	1.018	0.140	13.8 %	0.82	0.92	1.14	1.10	1.11
Total F2 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
Total F1 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
13C-1,2,3,7,8-PeCDD	0.561	0.085	15.1 %	0.61	0.65	0.59	0.51	0.44
1,2,3,7,8-PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
Total PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.991	0.061	6.19 %	1.00	1.05	1.00	1.01	0.89
1,2,3,4,7,8-HxCDF	1.261	0.122	9.70 %	1.11	1.21	1.40	1.38	1.20
1,2,3,6,7,8-HxCDF	1.531	0.150	9.79 %	1.33	1.47	1.58	1.53	1.74
2,3,4,6,7,8-HxCDF	1.407	0.159	11.3 %	1.20	1.29	1.52	1.43	1.59
1,2,3,7,8,9-HxCDF	1.396	0.174	12.5 %	1.16	1.30	1.53	1.41	1.58
Total HxCDF	1.399	0.137	9.83 %	1.20	1.32	1.51	1.44	1.53
13C-1,2,3,6,7,8-HxCDD	0.739	0.034	4.62 %	0.75	0.75	0.73	0.69	0.78
1,2,3,4,7,8-HxCDD	1.120	0.159	14.2 %	0.89	1.05	1.25	1.28	1.13

1,2,3,6,7,8-HxCDD	1.141	0.145	12.7 %	0.94	1.04	1.25	1.26	1.22
1,2,3,7,8,9-HxCDD	1.354	0.182	13.4 %	1.14	1.23	1.58	1.49	1.32
Total HxCDD	1.205	0.158	13.1 %	0.99	1.11	1.36	1.35	1.22
13C-1,2,3,4,6,7,8-HpCDF	0.956	0.098	10.2 %	1.05	1.07	0.89	0.86	0.91
1,2,3,4,6,7,8-HpCDF	1.408	0.193	13.7 %	1.12	1.32	1.61	1.51	1.48
1,2,3,4,7,8,9-HpCDF	1.236	0.121	9.80 %	1.06	1.17	1.36	1.28	1.31
Total HpCDF	1.322	0.157	11.9 %	1.09	1.24	1.49	1.39	1.40
13C-1,2,3,4,6,7,8-HpCDD	0.712	0.085	11.9 %	0.78	0.82	0.67	0.63	0.66
1,2,3,4,6,7,8-HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
Total HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
13C-OCDD	0.353	0.054	15.4 %	0.40	0.42	0.32	0.29	0.34
OCDF	2.118	0.323	15.3 %	1.63	1.95	2.36	2.29	2.36
OCDD	1.371	0.158	11.5 %	1.17	1.23	1.52	1.47	1.47

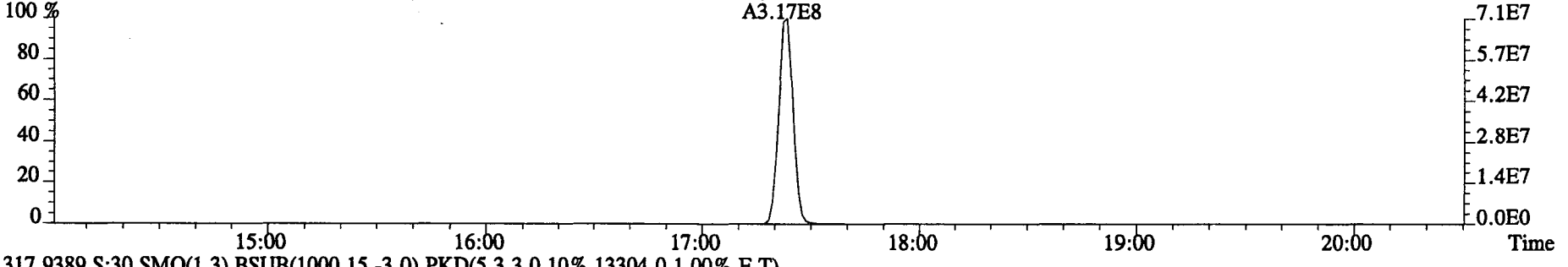
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
303.9016 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3648.0,1.00%,F,T)



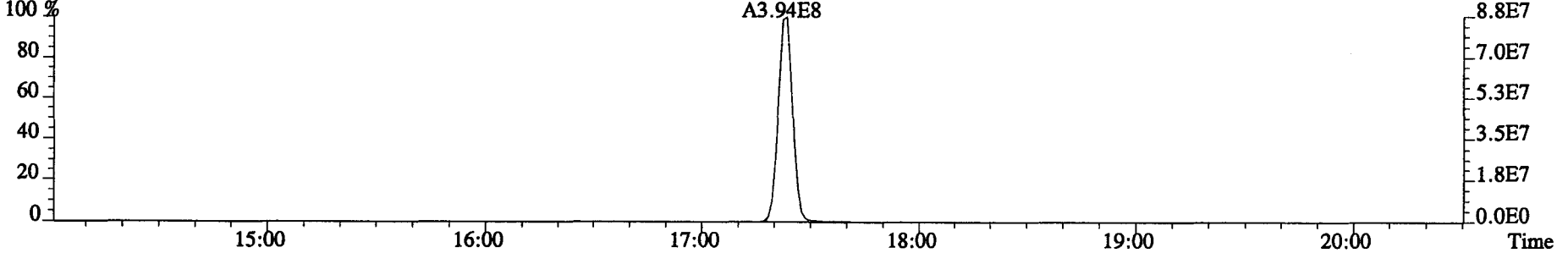
305.8987 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6104.0,1.00%,F,T)



315.9419 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7724.0,1.00%,F,T)

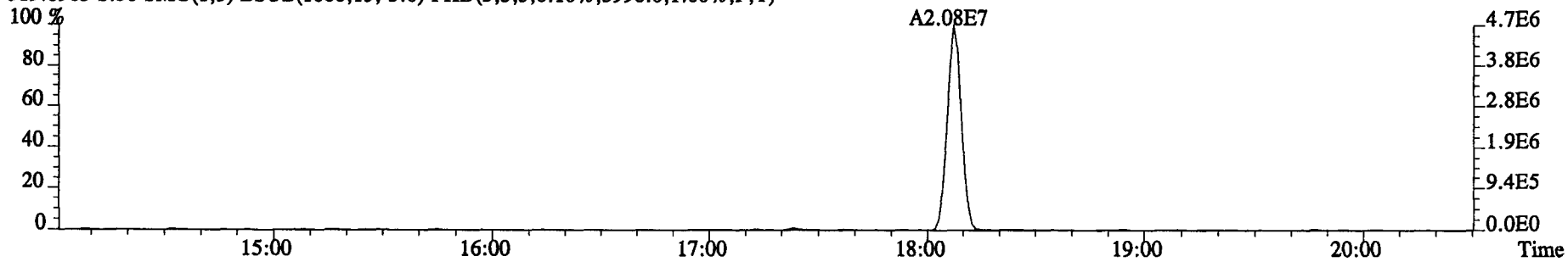


317.9389 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13304.0,1.00%,F,T)

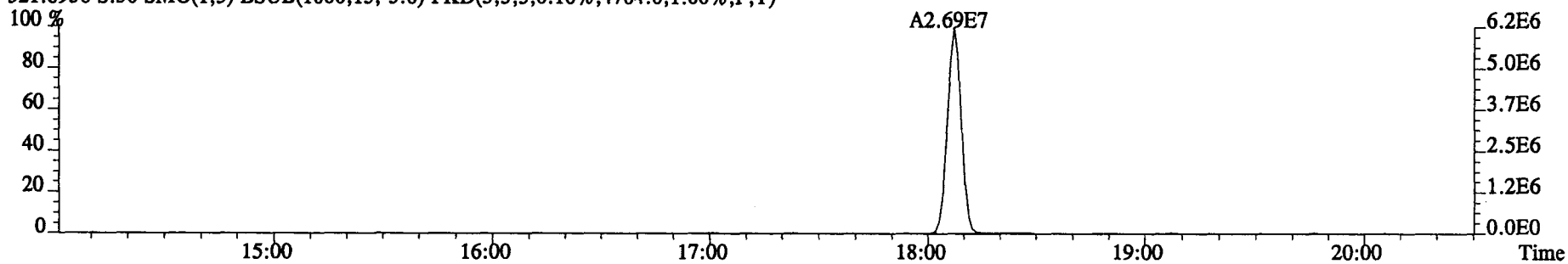


File:22SE10B1D5 #1-382 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES

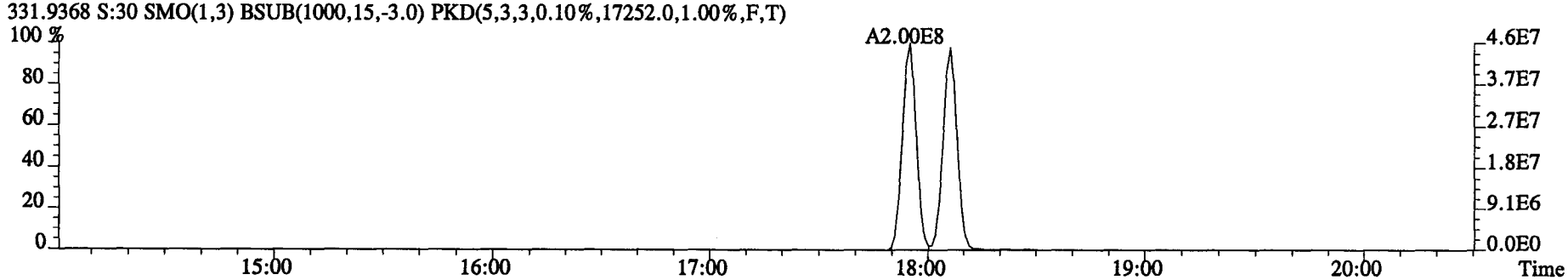
319.8965 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5996.0,1.00%,F,T)



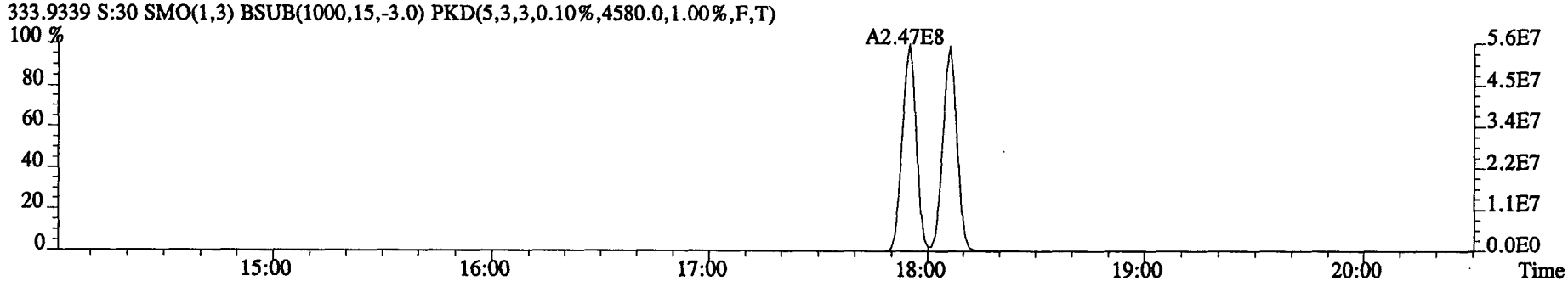
321.8936 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4704.0,1.00%,F,T)



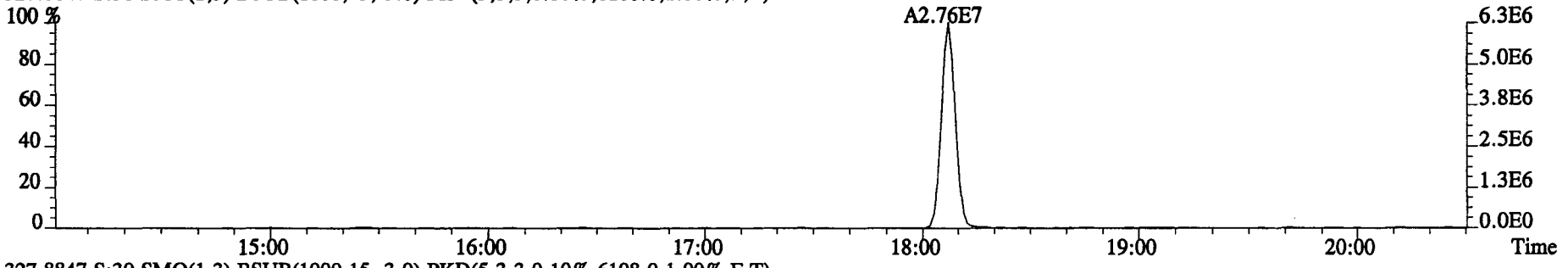
331.9368 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17252.0,1.00%,F,T)



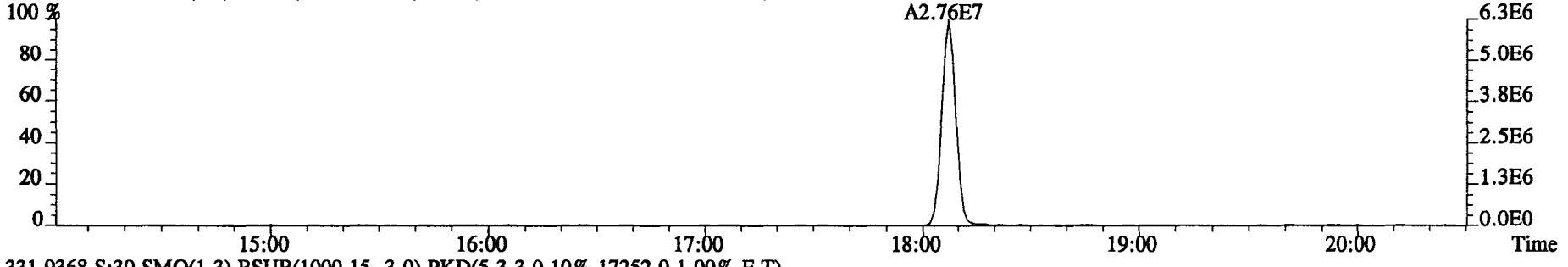
333.9339 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4580.0,1.00%,F,T)



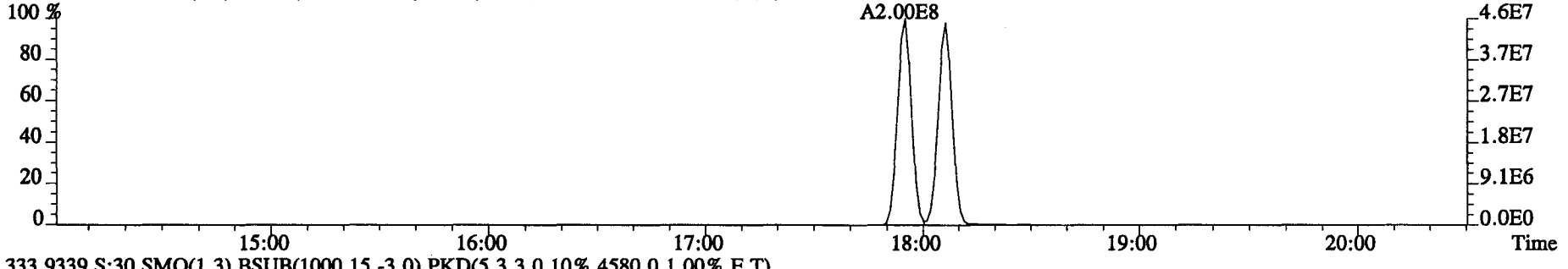
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6108.0,1.00%,F,T)



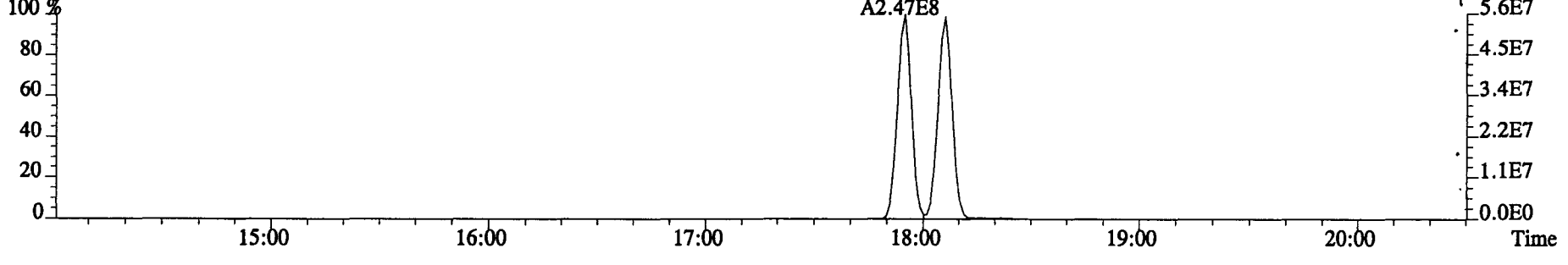
327.8847 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6108.0,1.00%,F,T)



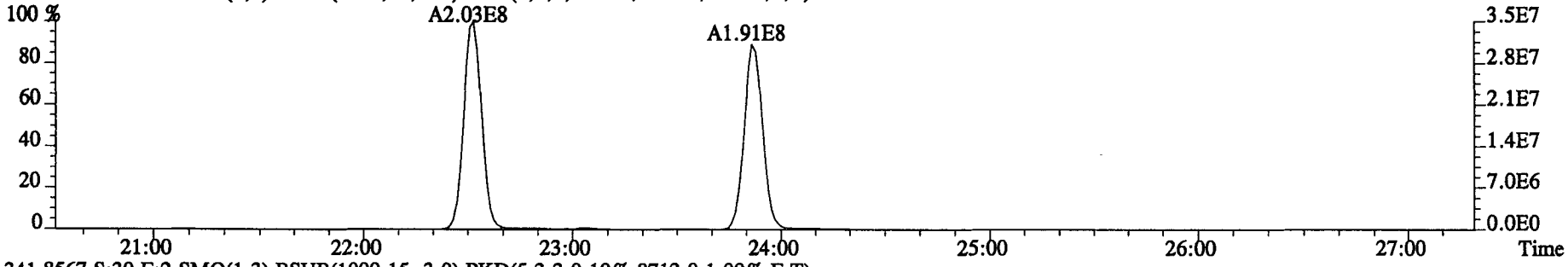
331.9368 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17252.0,1.00%,F,T)



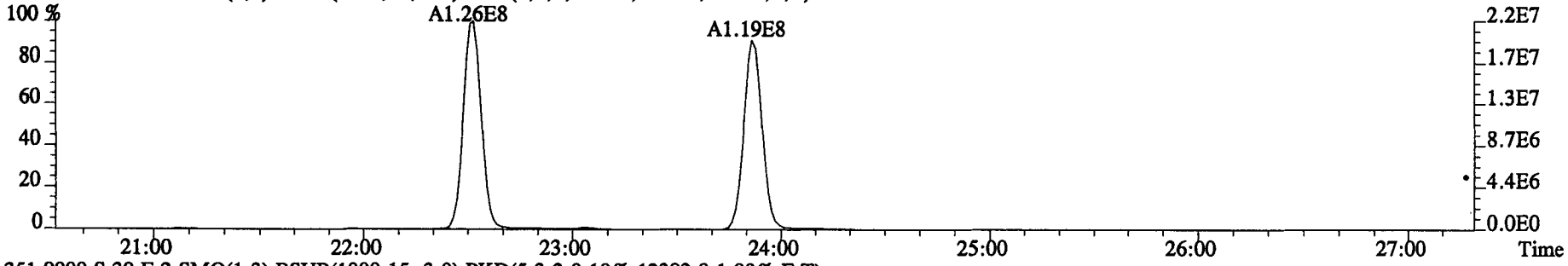
333.9339 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4580.0,1.00%,F,T)



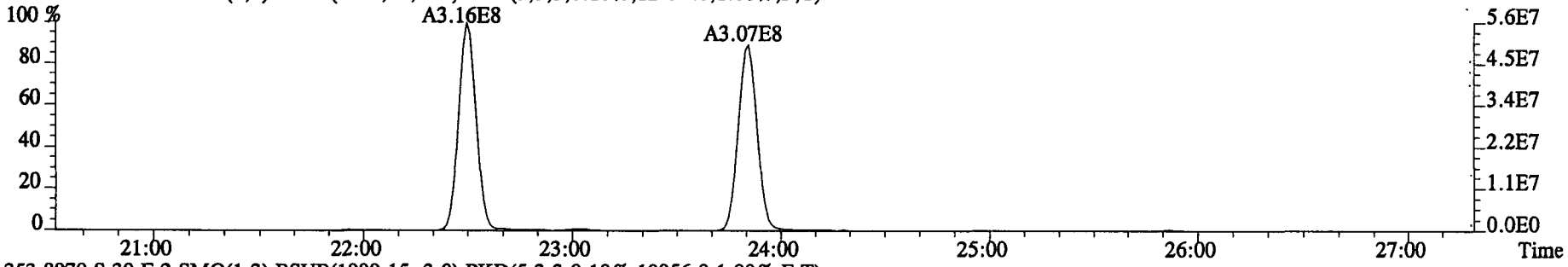
File:22SE10B1D5 #1-423 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7028.0,1.00%,F,T)



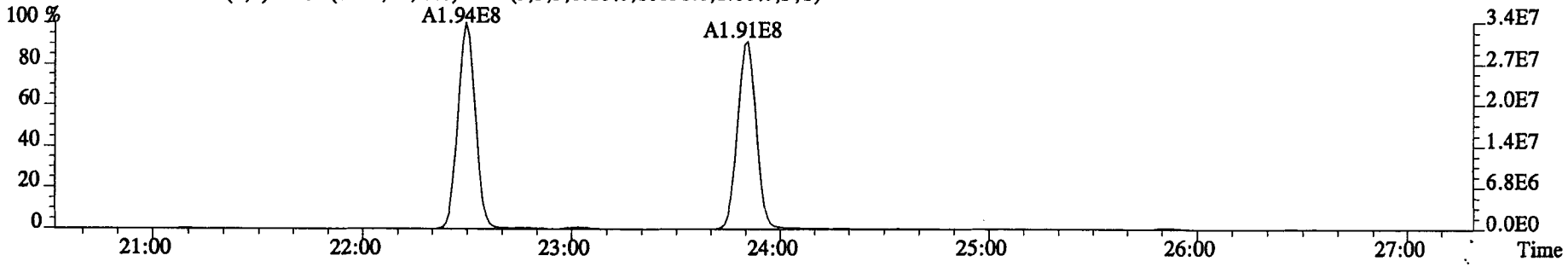
341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8712.0,1.00%,F,T)



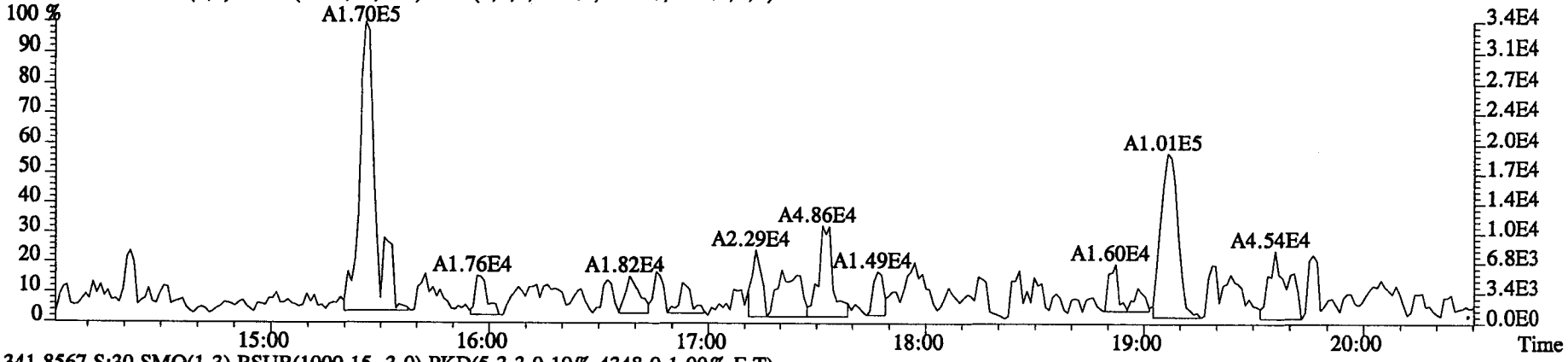
351.9000 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12292.0,1.00%,F,T)



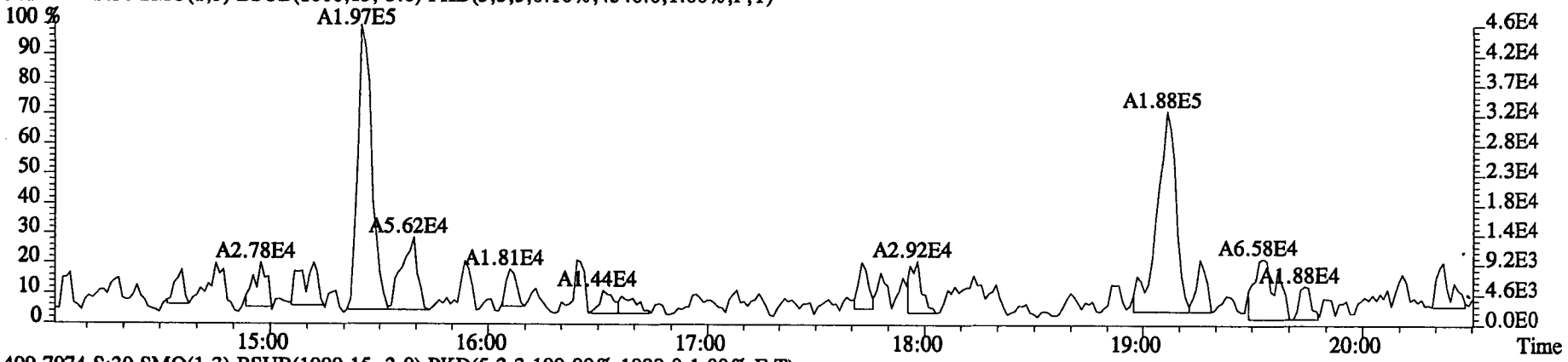
353.8970 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10856.0,1.00%,F,T)



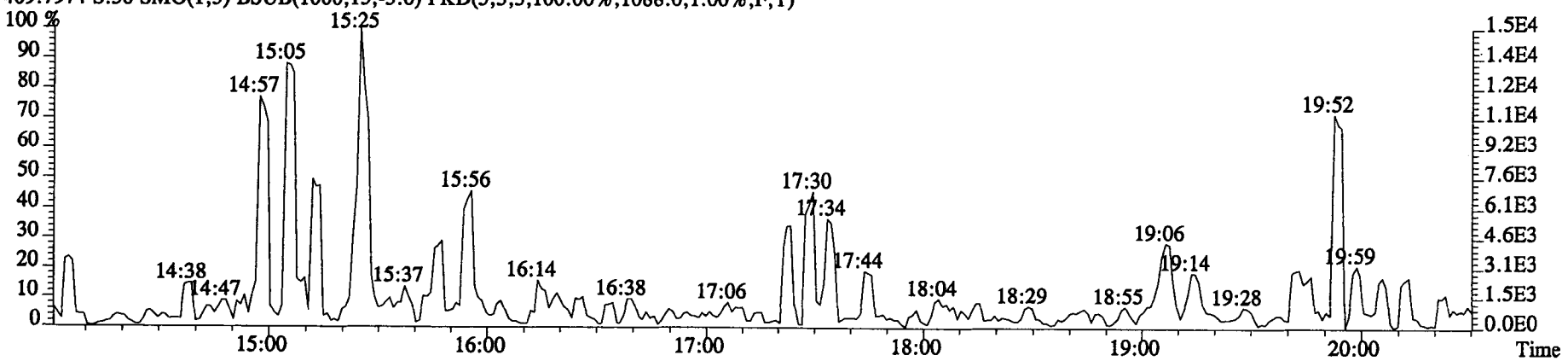
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
339.8597 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2752.0,1.00%,F,T)



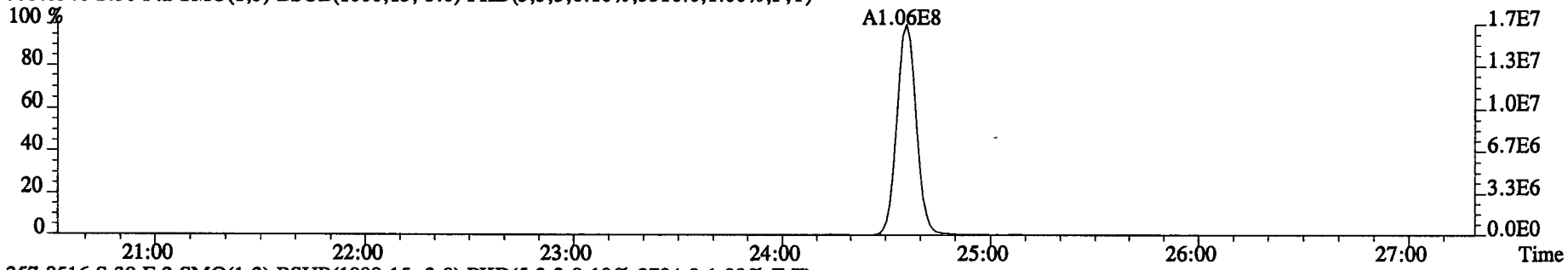
341.8567 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4348.0,1.00%,F,T)



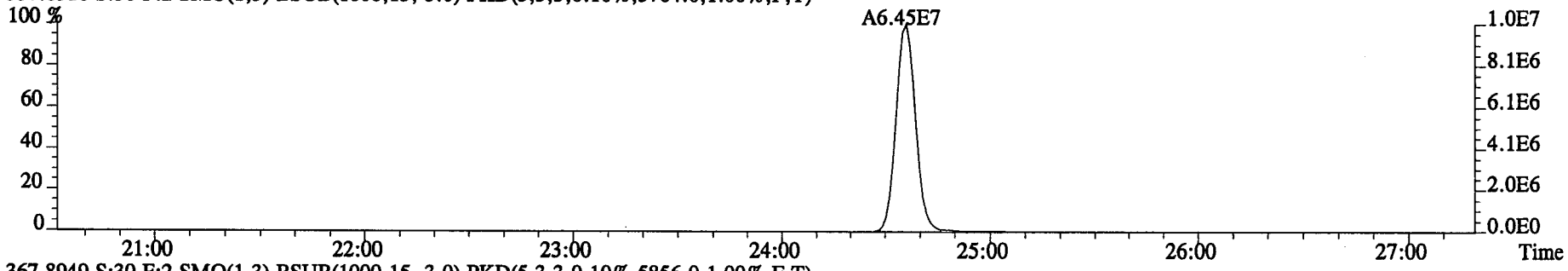
409.7974 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1088.0,1.00%,F,T)



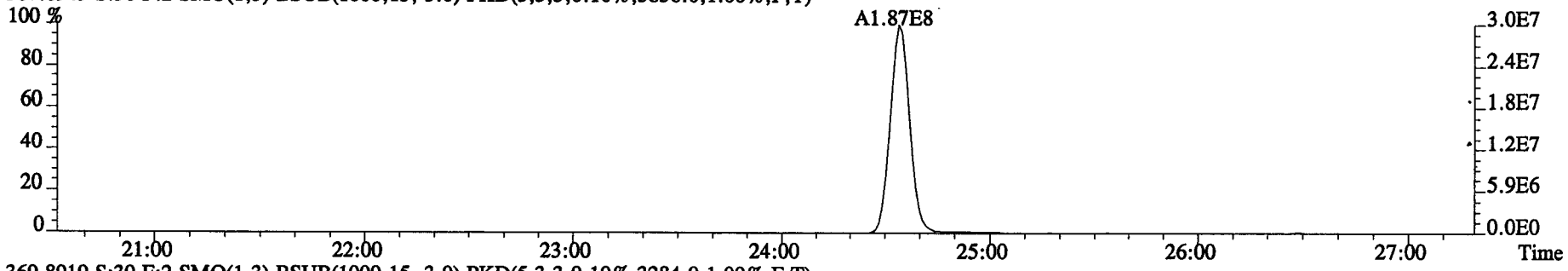
File:22SE10B1D5 #1-423 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
355.8546 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)



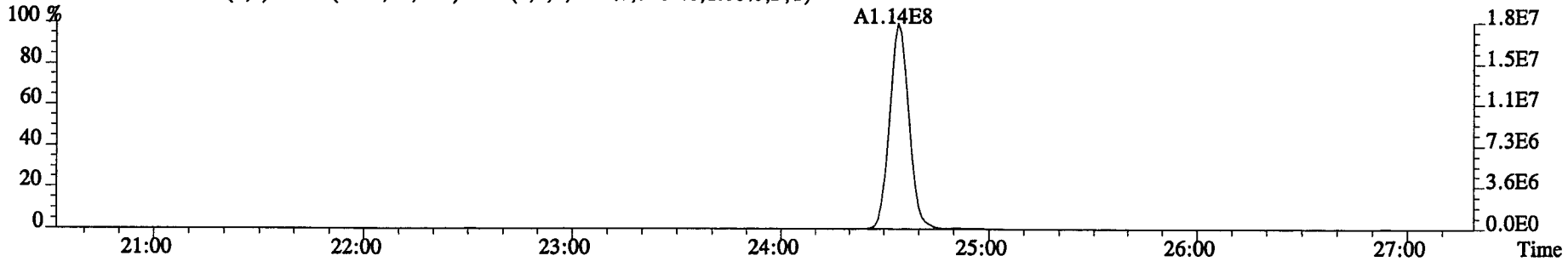
357.8516 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3704.0,1.00%,F,T)



367.8949 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5856.0,1.00%,F,T)

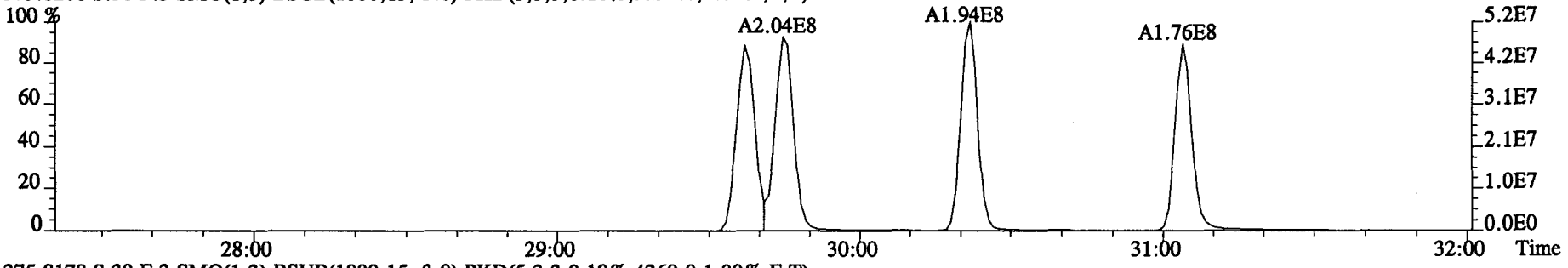


369.8919 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3284.0,1.00%,F,T)

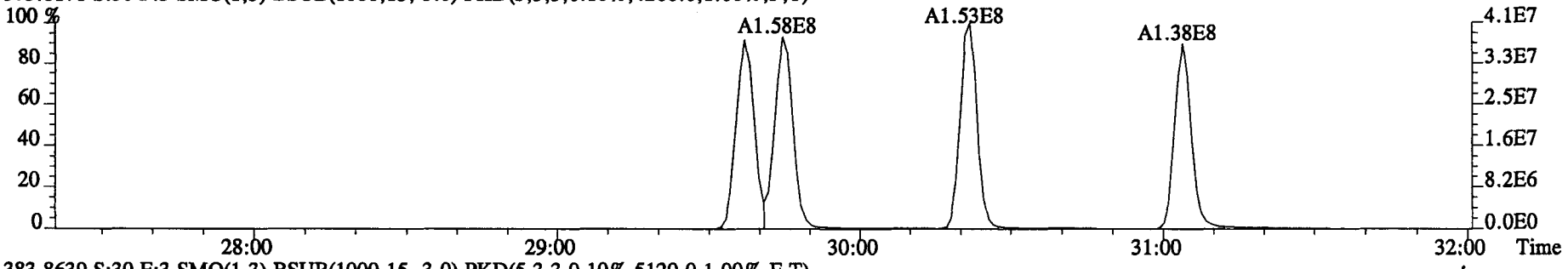


File:22SE10B1D5 #1-301 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES

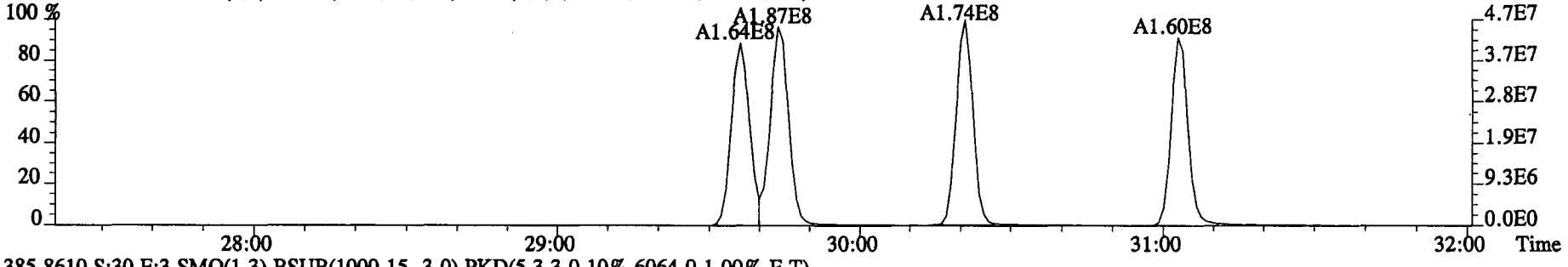
373.8208 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9292.0,1.00%,F,T)



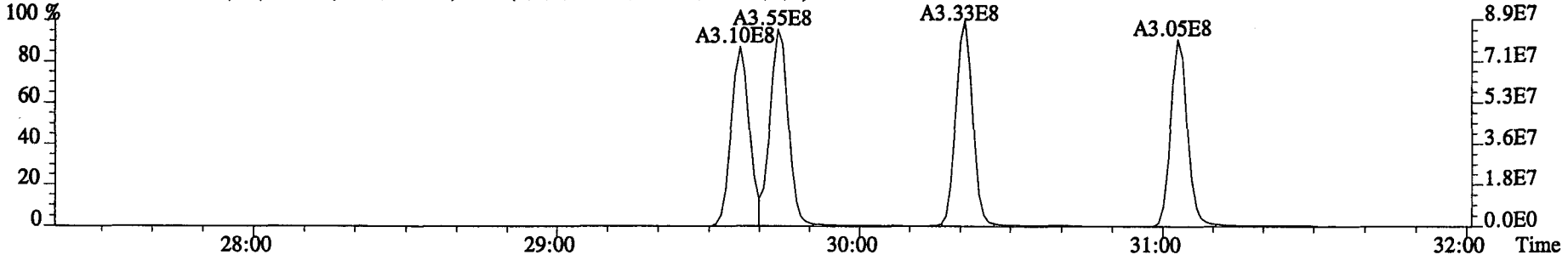
375.8178 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4260.0,1.00%,F,T)



383.8639 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5120.0,1.00%,F,T)

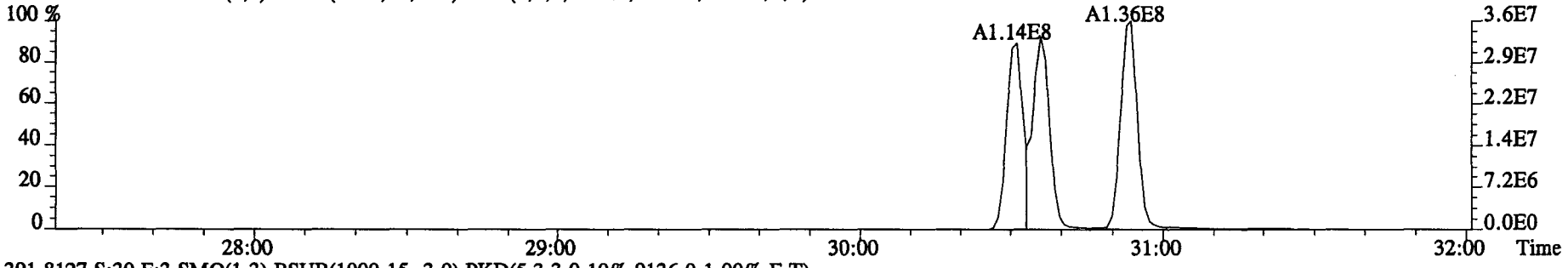


385.8610 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6064.0,1.00%,F,T)

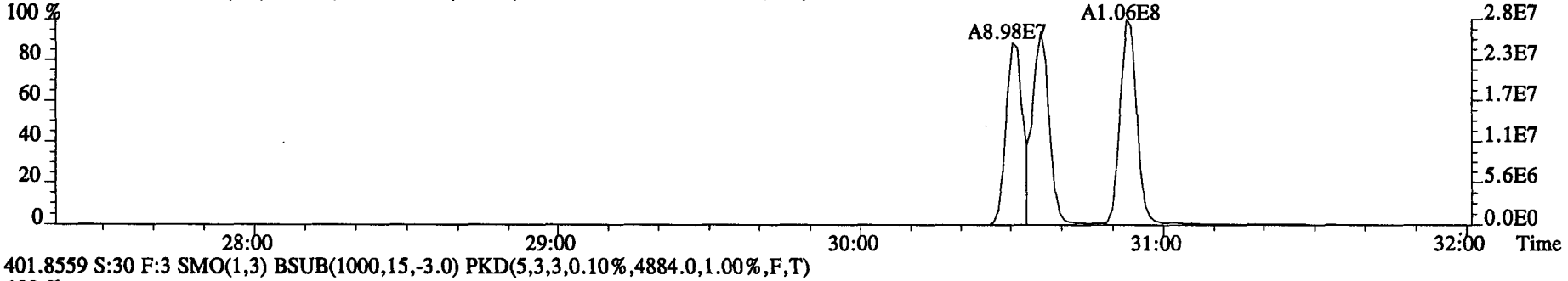


File:22SE10B1D5 #1-301 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES

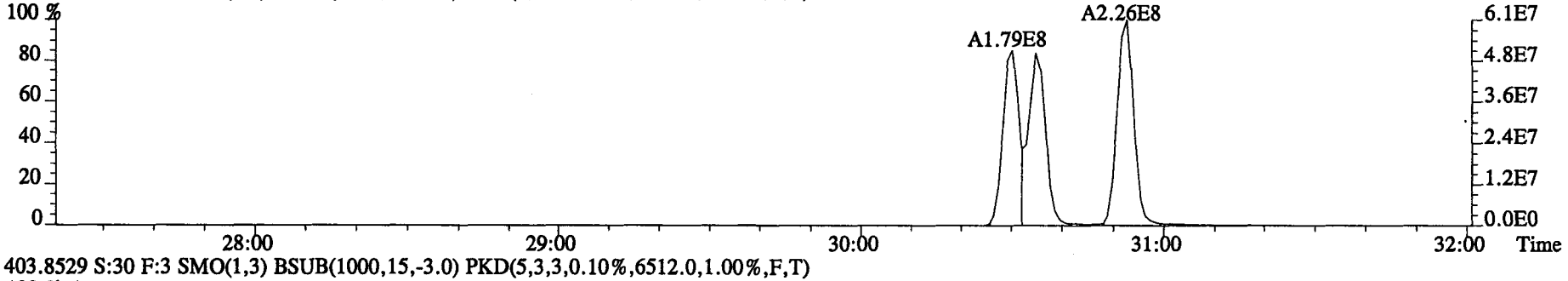
389.8157 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5180.0,1.00%,F,T)



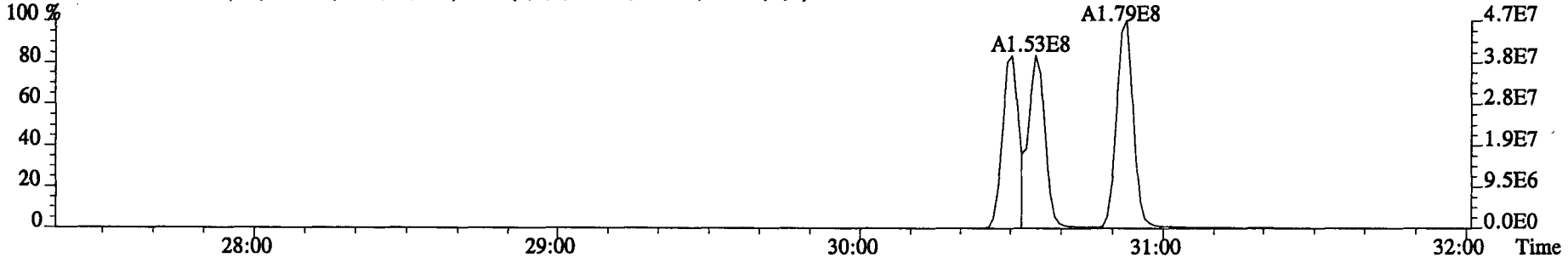
391.8127 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9136.0,1.00%,F,T)



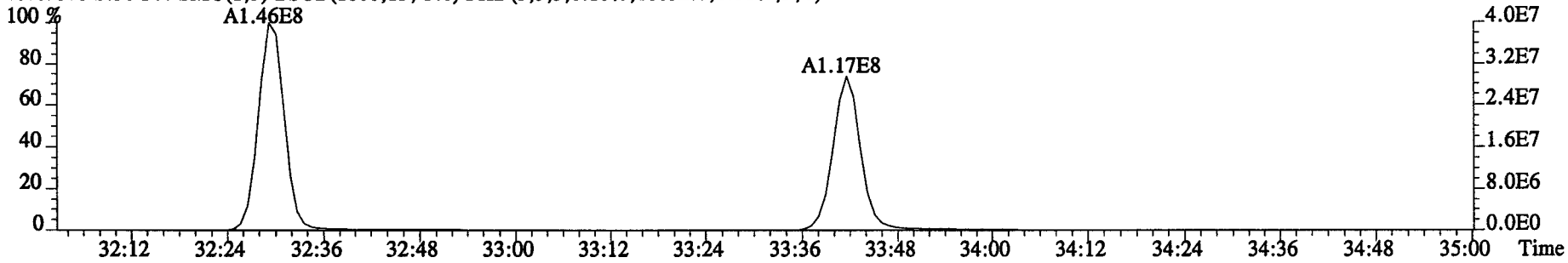
401.8559 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4884.0,1.00%,F,T)



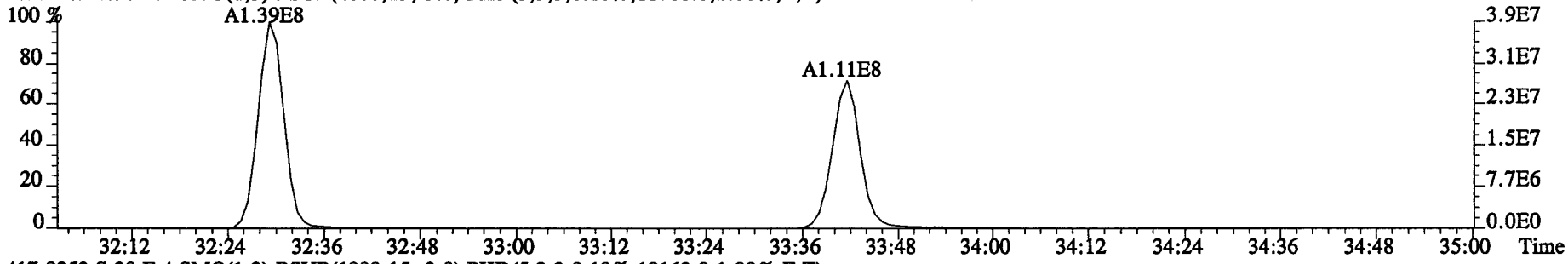
403.8529 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6512.0,1.00%,F,T)



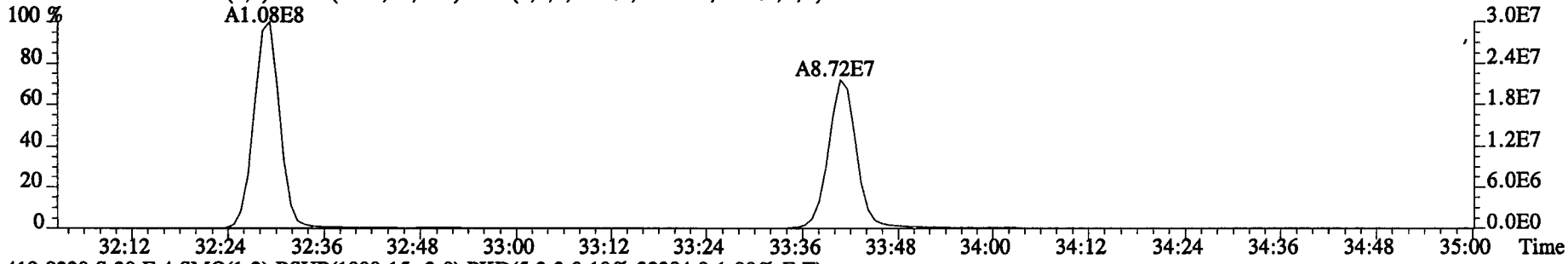
File:22SE10B1D5 #1-202 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
407.7818 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18032.0,1.00%,F,T)



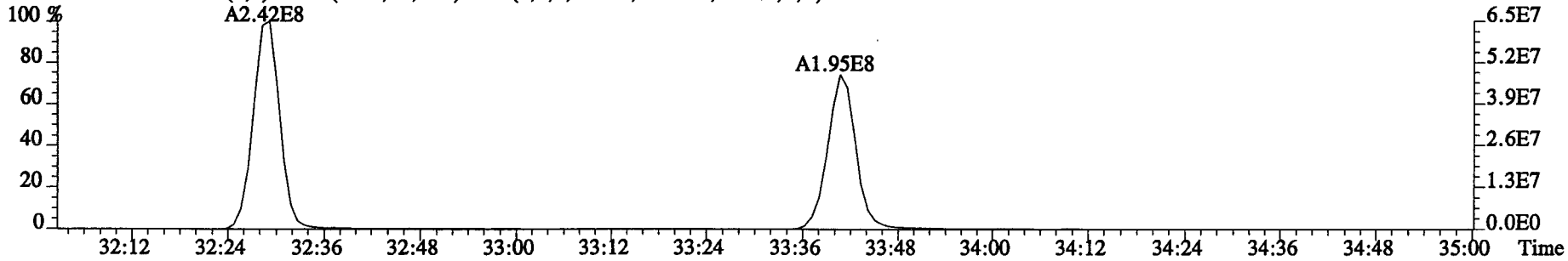
409.7789 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11768.0,1.00%,F,T)



417.8253 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18160.0,1.00%,F,T)

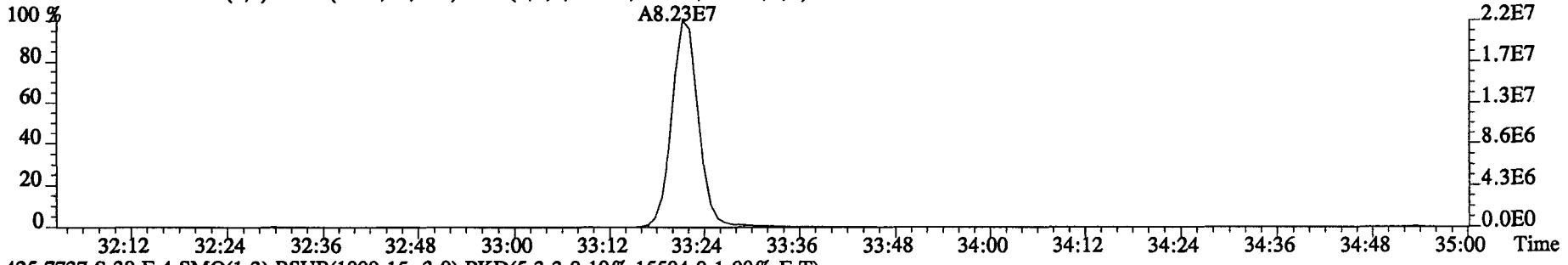


419.8220 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32384.0,1.00%,F,T)

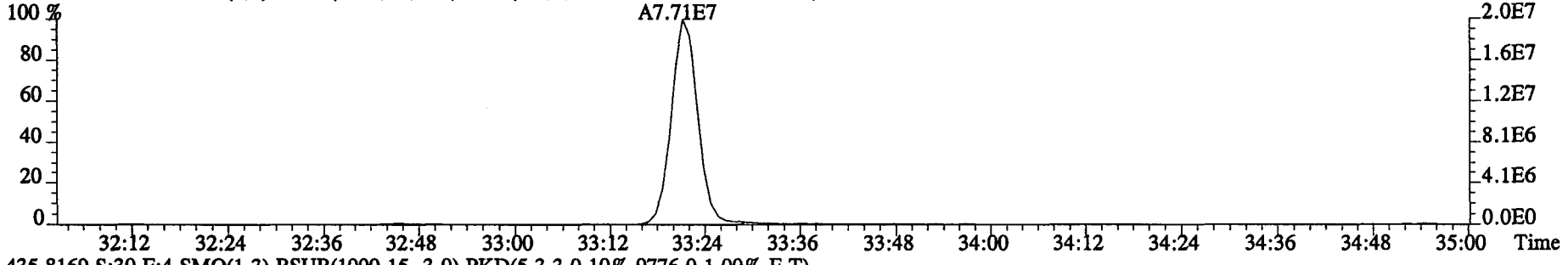


File:22SE10B1D5 #1-202 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES

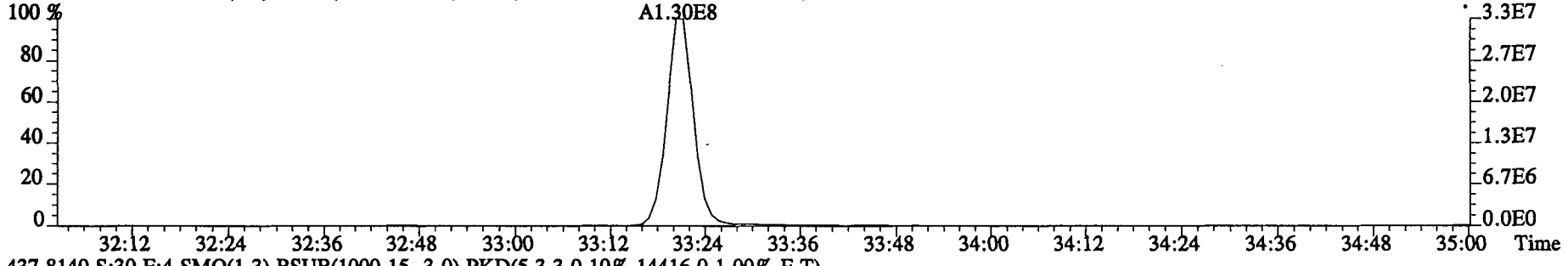
423.7766 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9972.0,1.00%,F,T)



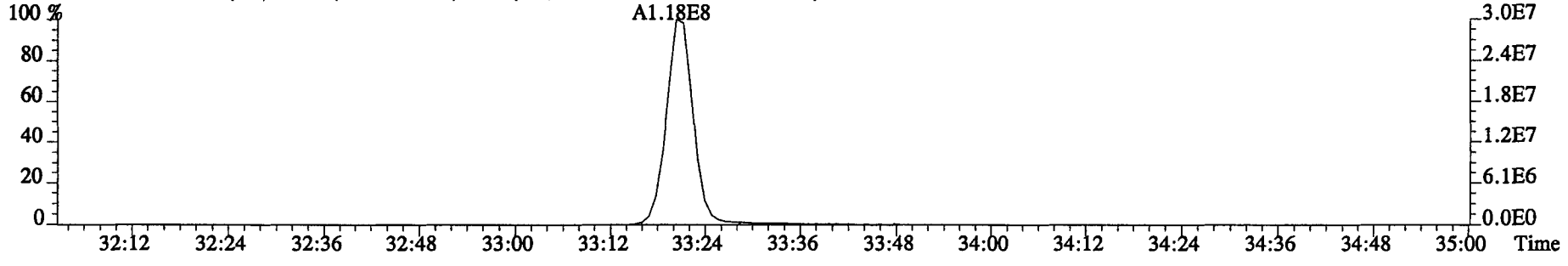
425.7737 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15504.0,1.00%,F,T)



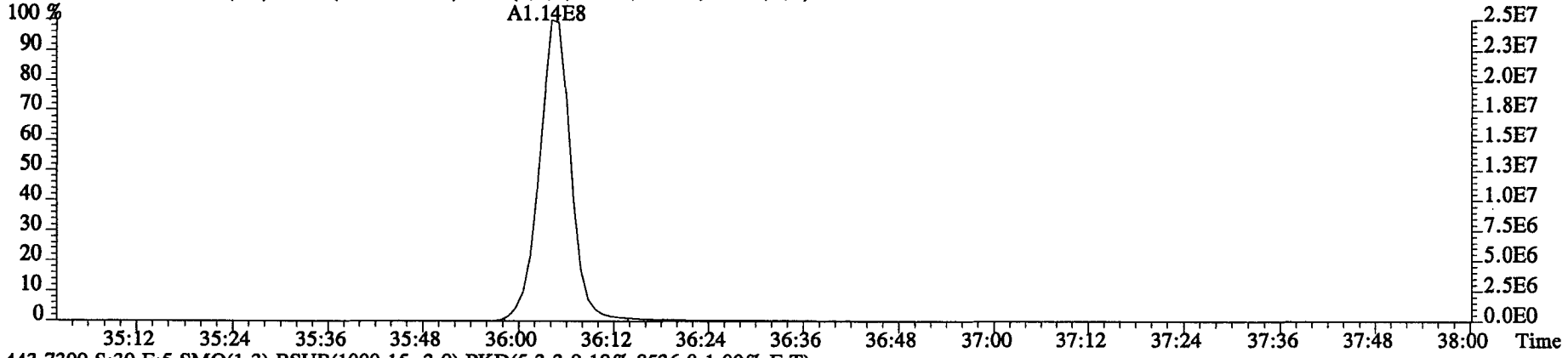
435.8169 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9776.0,1.00%,F,T)



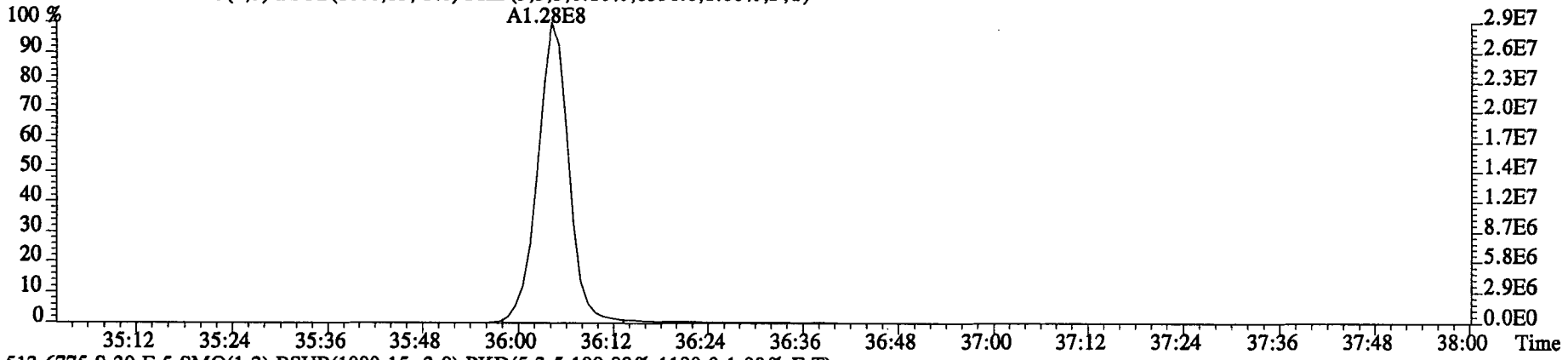
437.8140 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14416.0,1.00%,F,T)



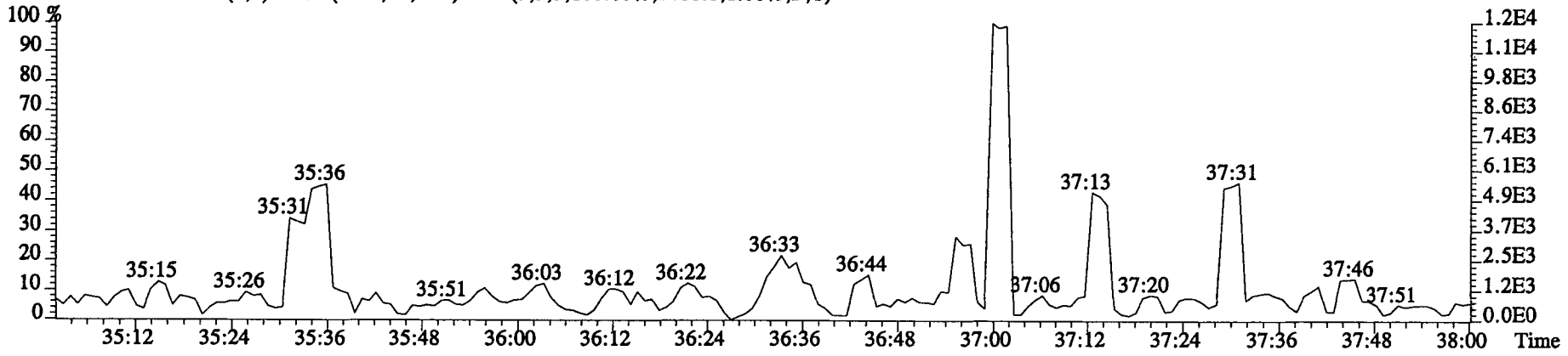
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
441.7428 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



443.7399 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8536.0,1.00%,F,T)

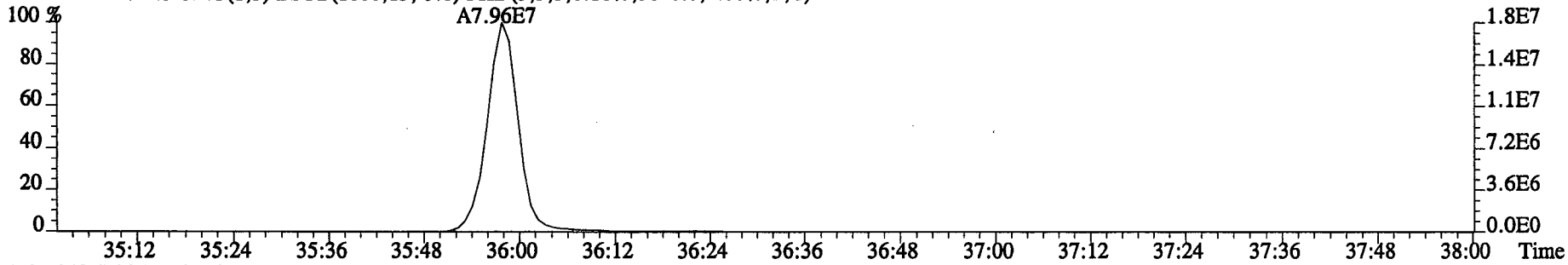


513.6775 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1180.0,1.00%,F,T)

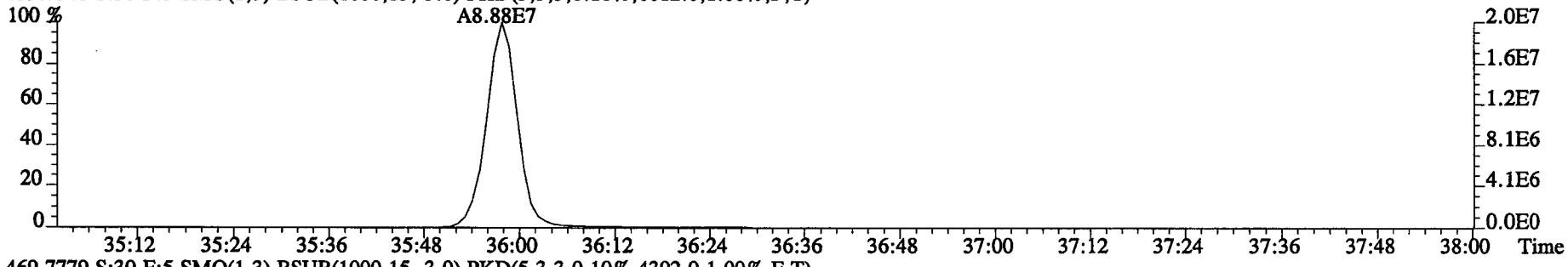


File:22SE10B1D5 #1-196 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES

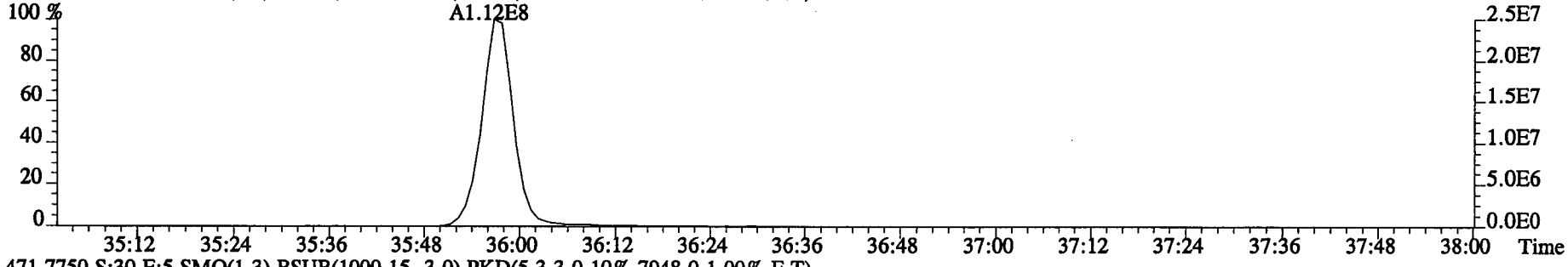
457.7377 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5028.0,1.00%,F,T)



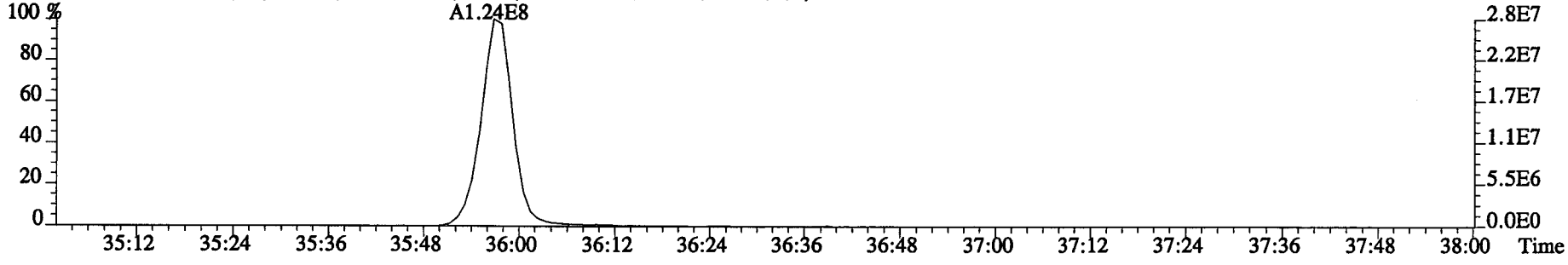
459.7348 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6012.0,1.00%,F,T)



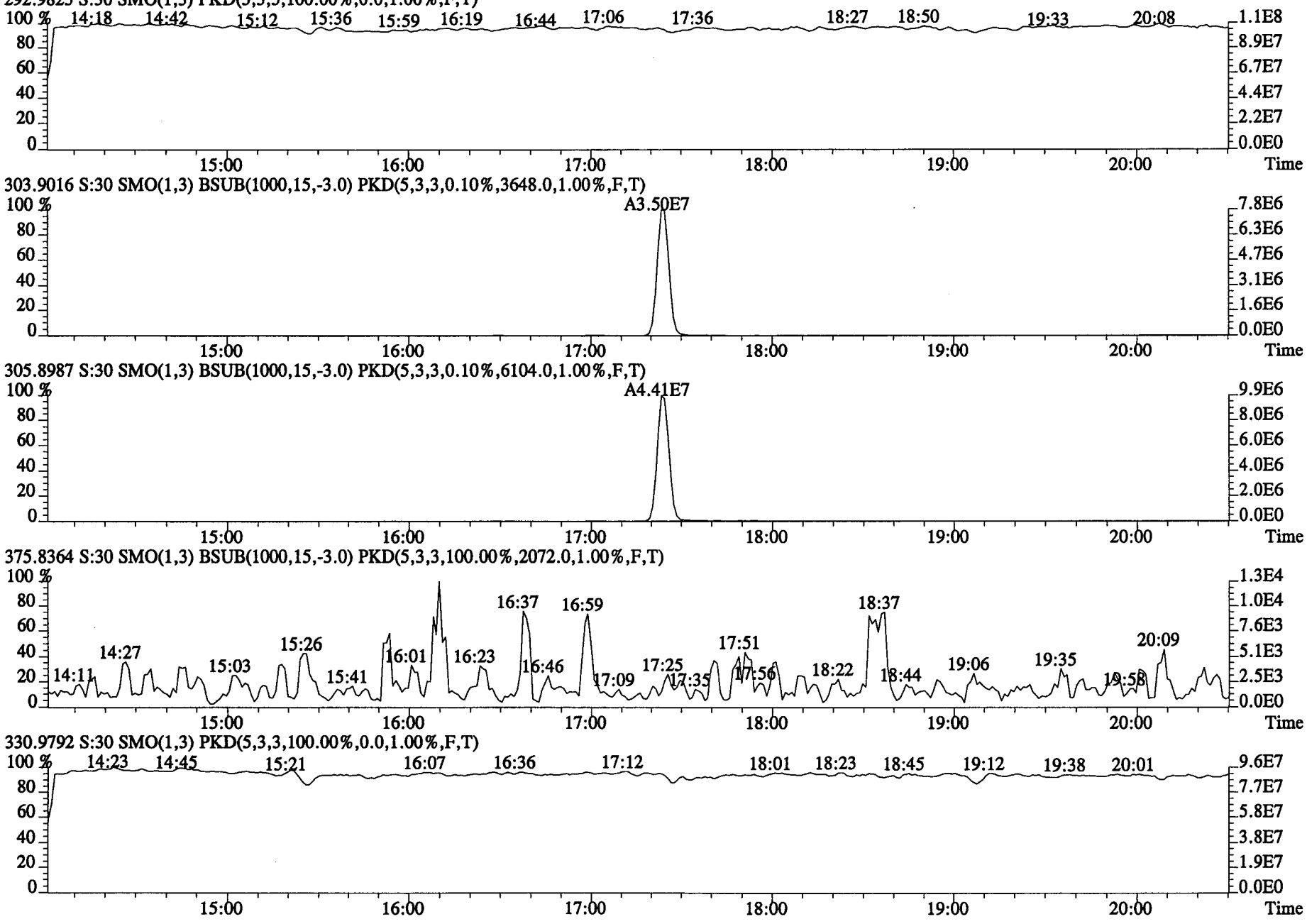
469.7779 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4392.0,1.00%,F,T)



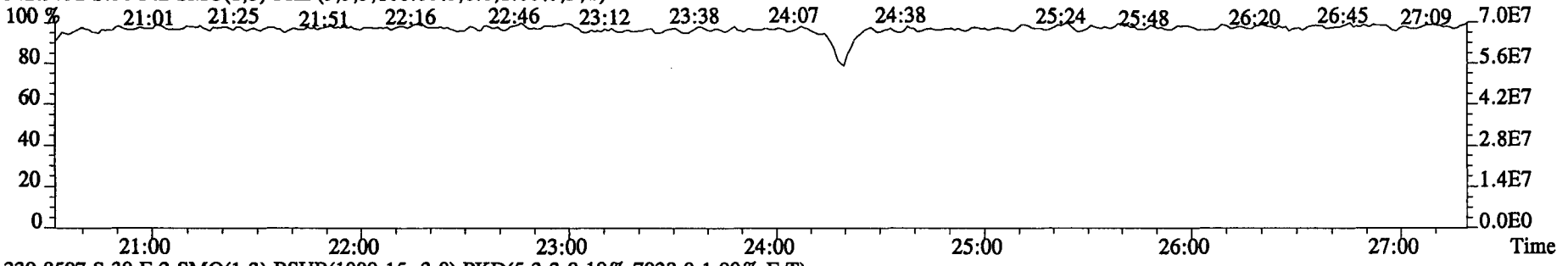
471.7750 S:30 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7948.0,1.00%,F,T)



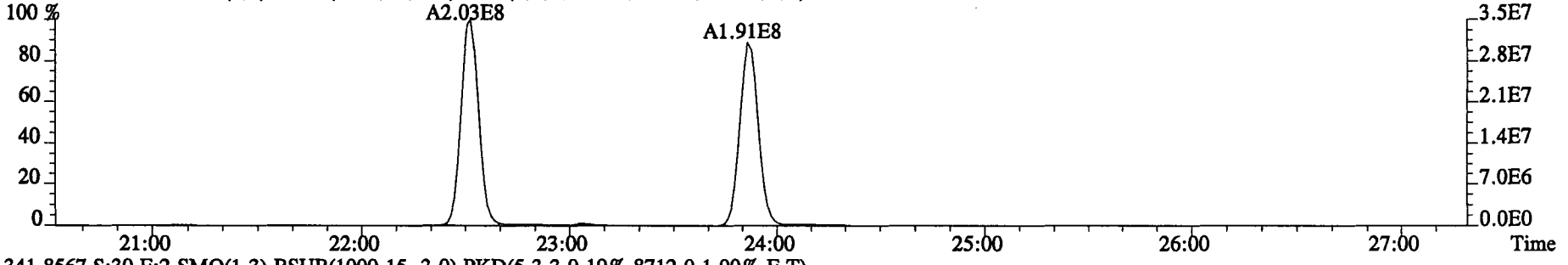
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES



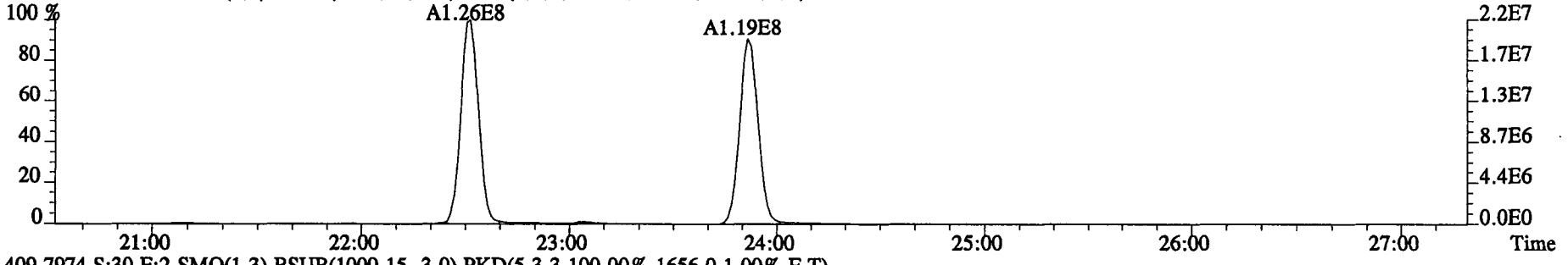
File:22SE10B1D5 #1-423 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
342.9792 S:30 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



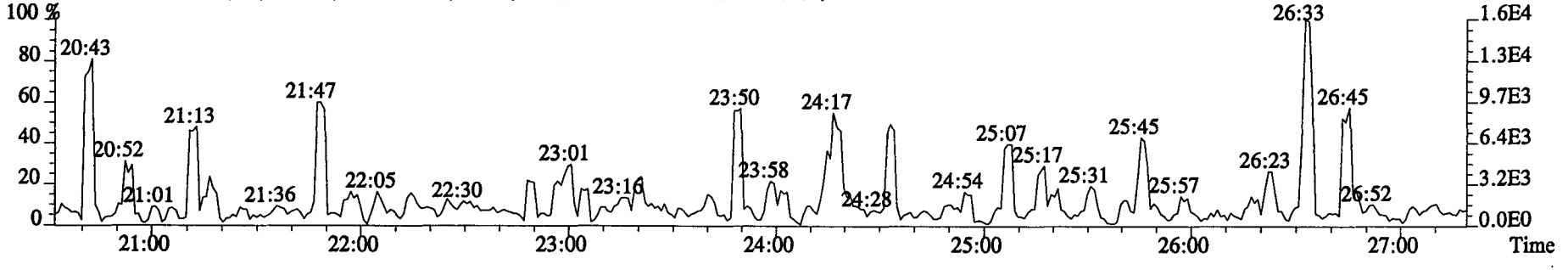
339.8597 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7028.0,1.00%,F,T)



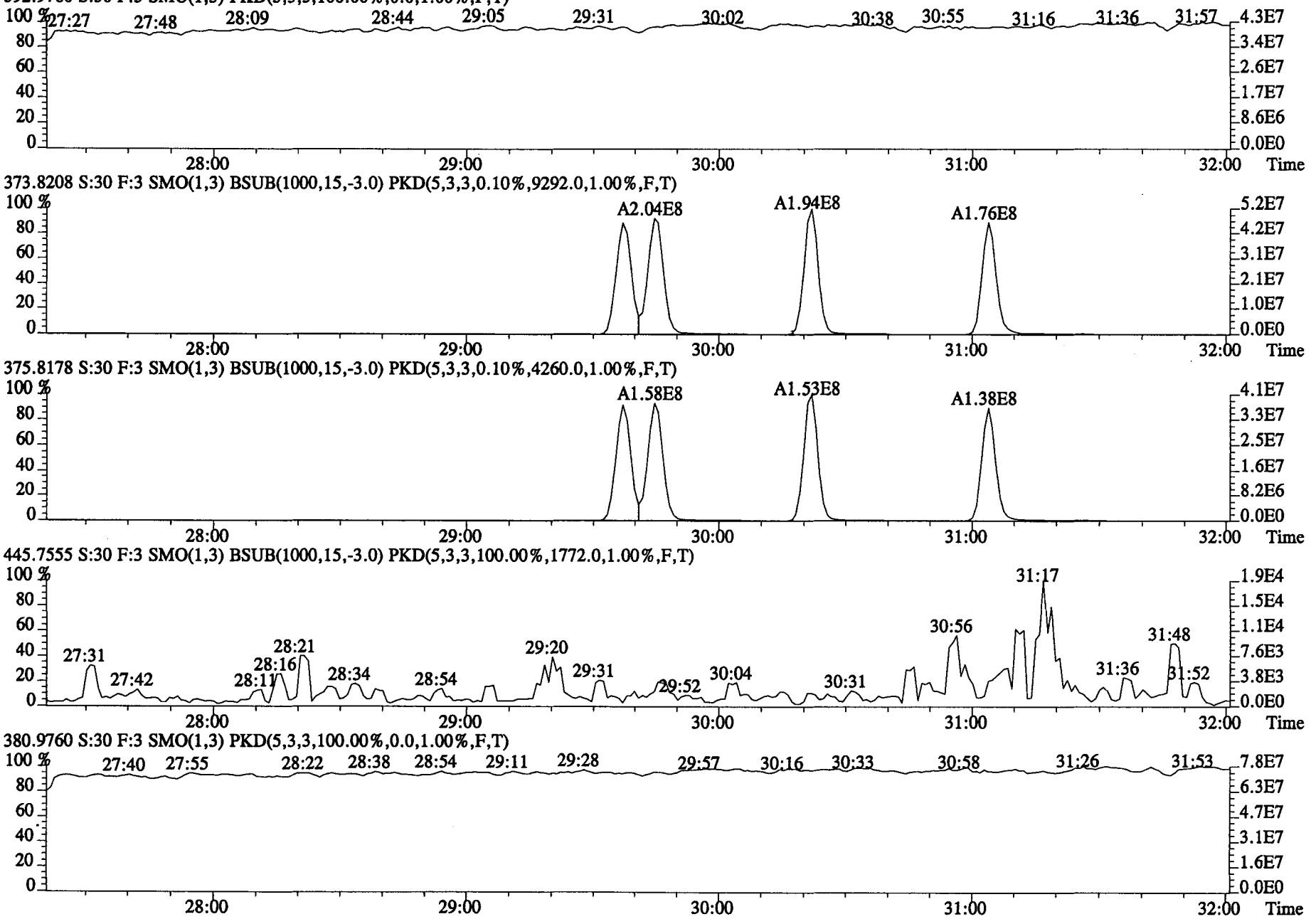
341.8567 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8712.0,1.00%,F,T)



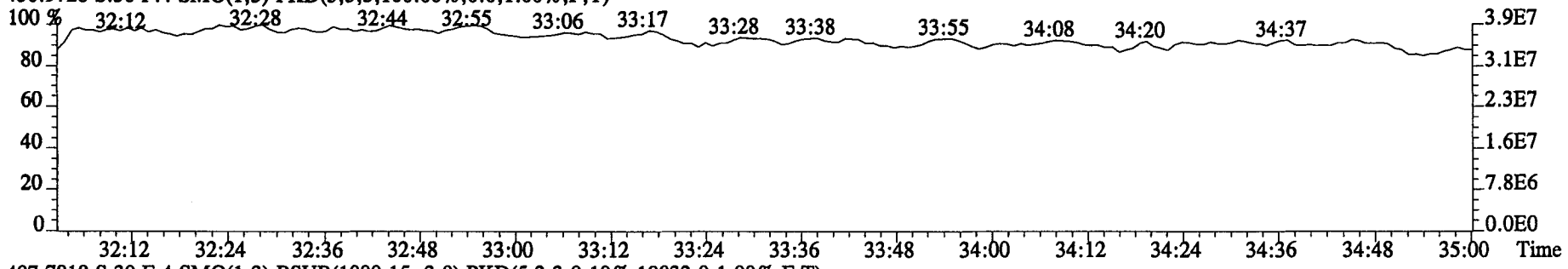
409.7974 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1656.0,1.00%,F,T)



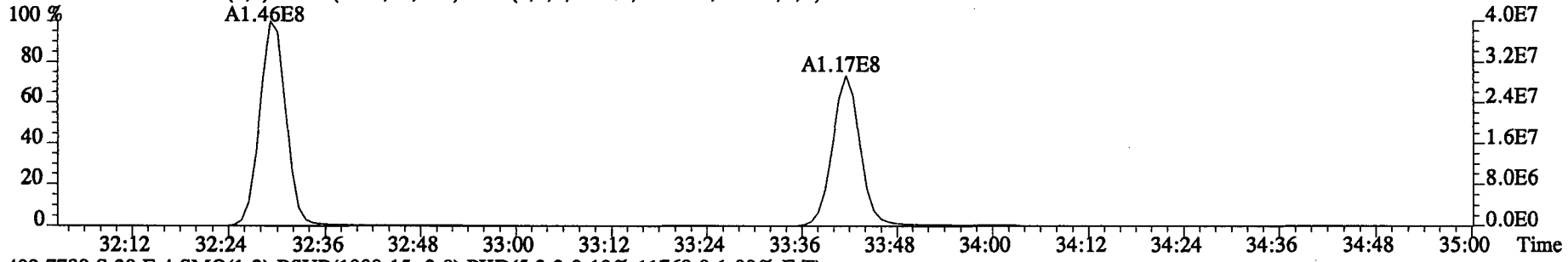
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES



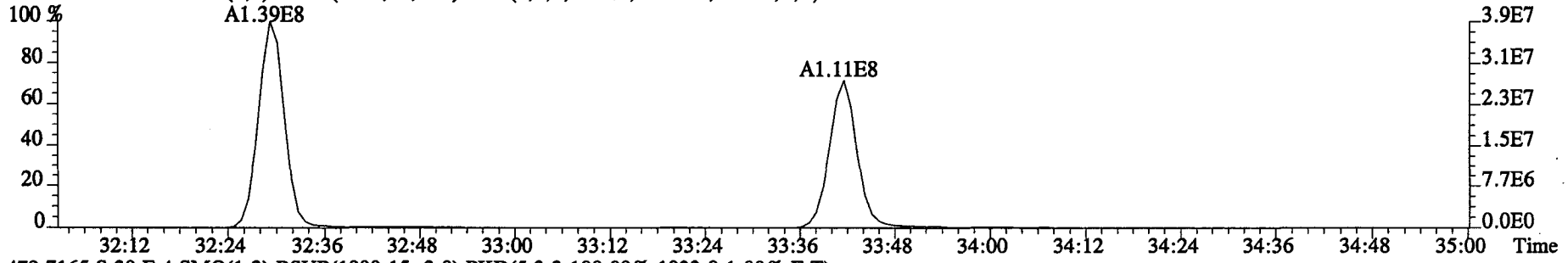
File:22SE10B1D5 #1-202 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
430.9728 S:30 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



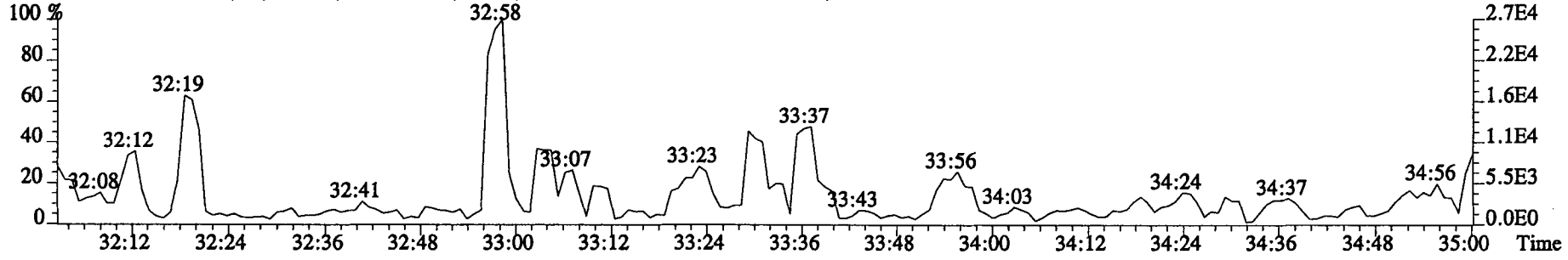
407.7818 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18032.0,1.00%,F,T)



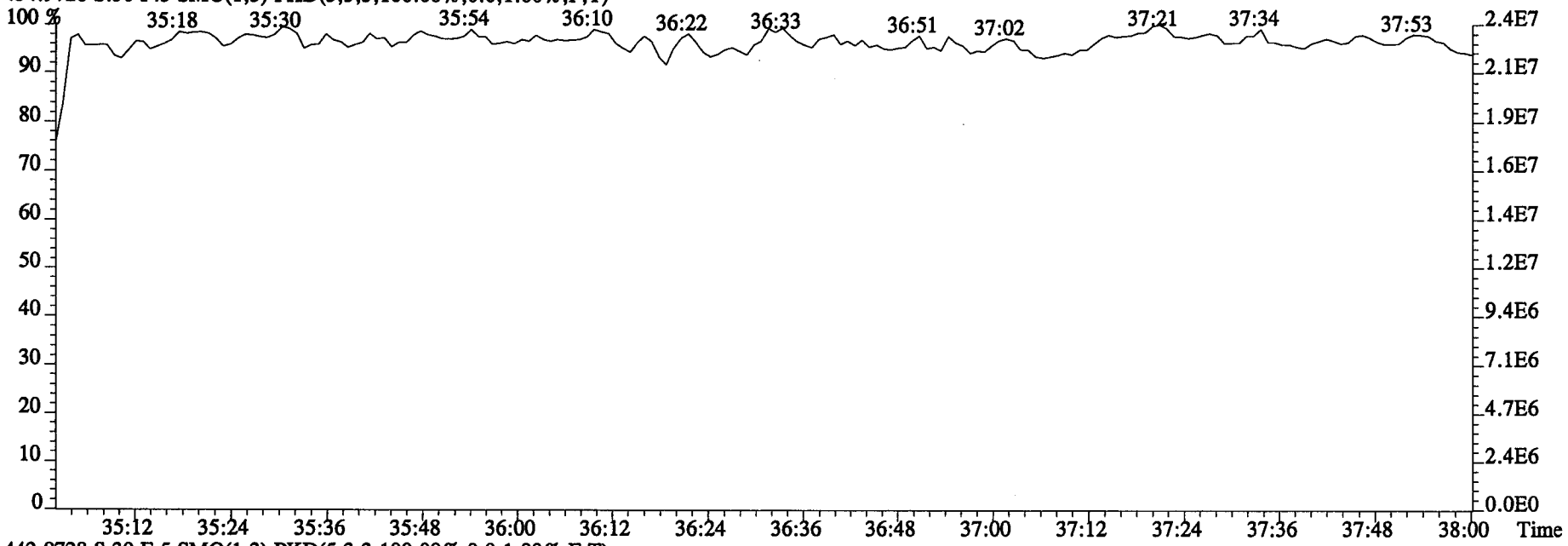
409.7789 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11768.0,1.00%,F,T)



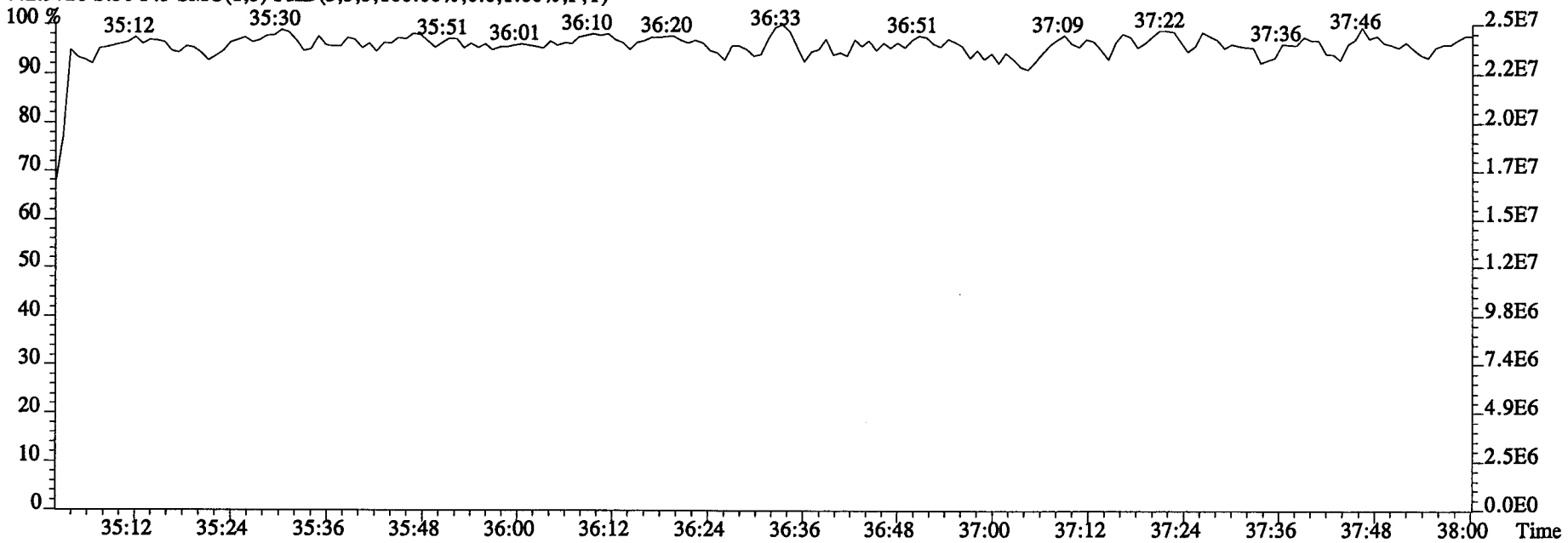
479.7165 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1932.0,1.00%,F,T)



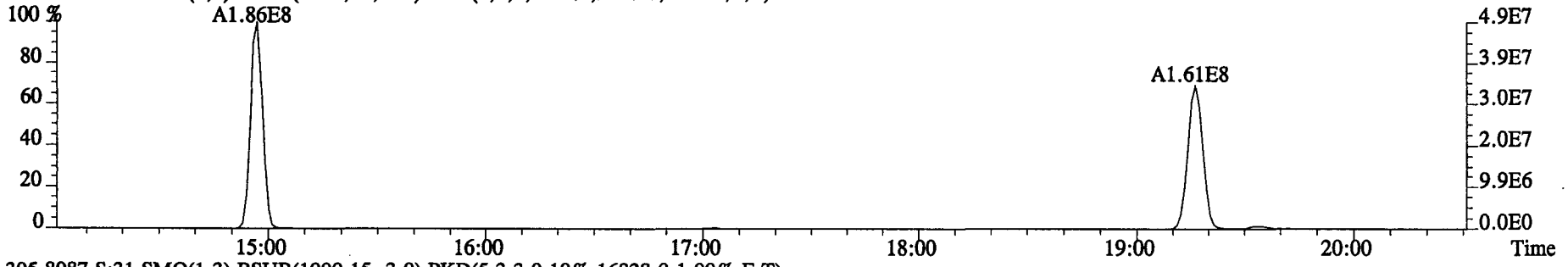
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 20:24:46 GC EI+ Voltage SIR 70SE
Sample#30 Text:ST0922D :CS3 10DXN426 Exp:DIOXINRES
454.9728 S:30 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



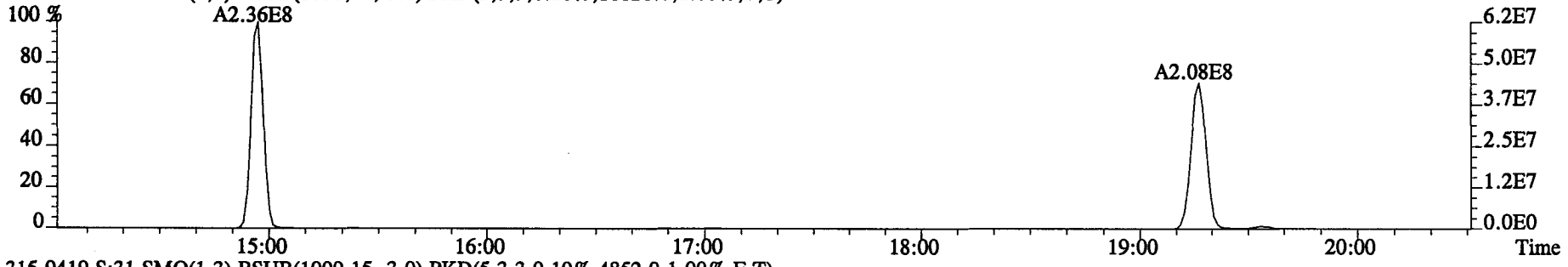
442.9728 S:30 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



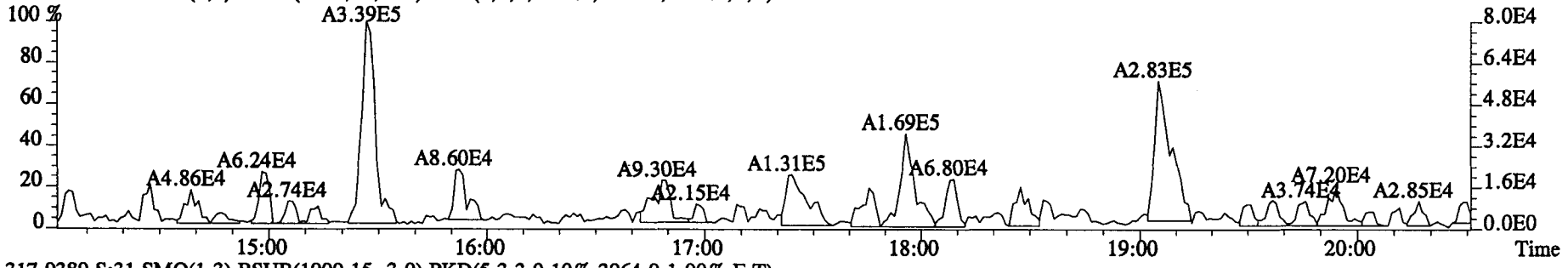
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
303.9016 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9808.0,1.00%,F,T)



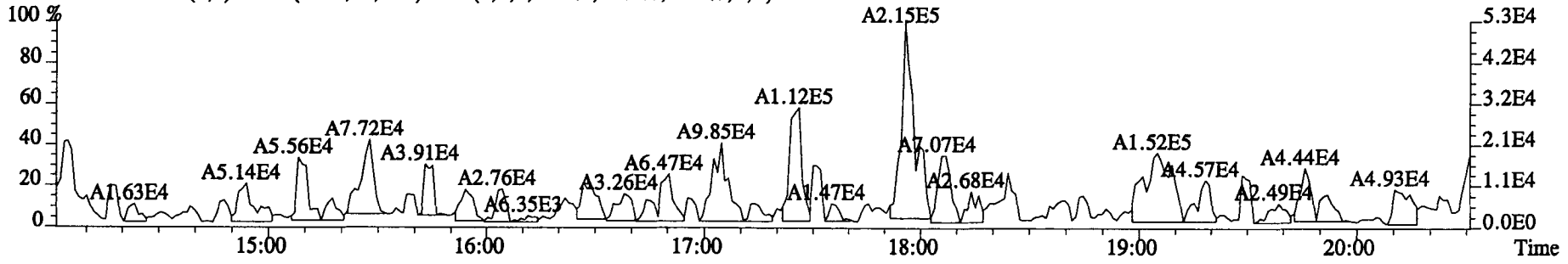
305.8987 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16828.0,1.00%,F,T)



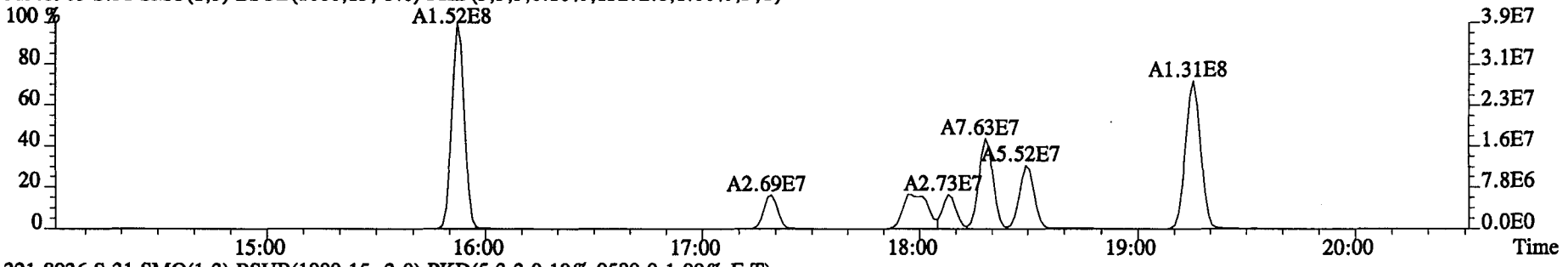
315.9419 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4852.0,1.00%,F,T)

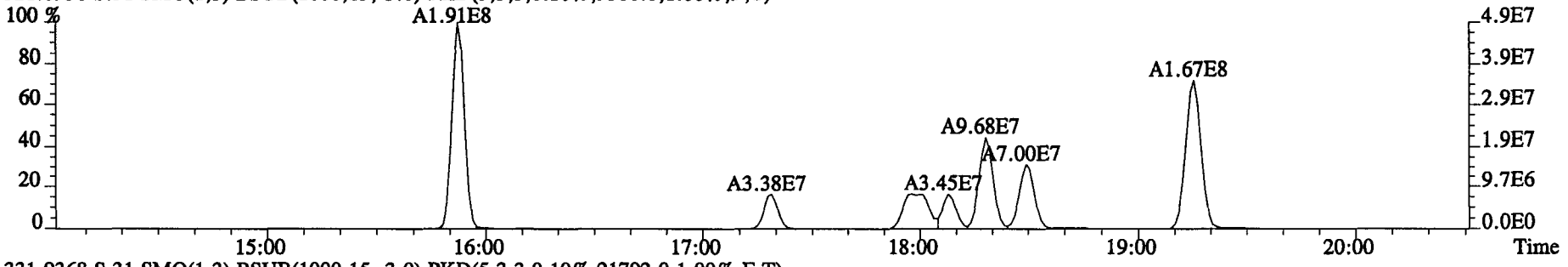


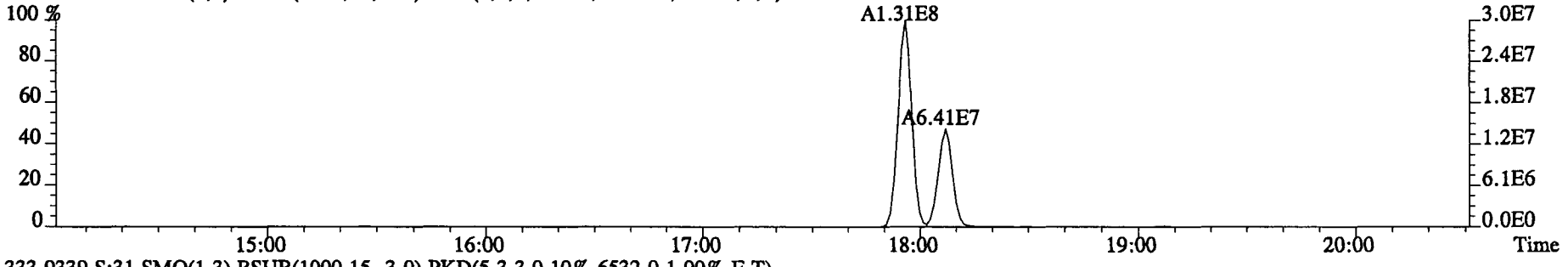
317.9389 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3964.0,1.00%,F,T)

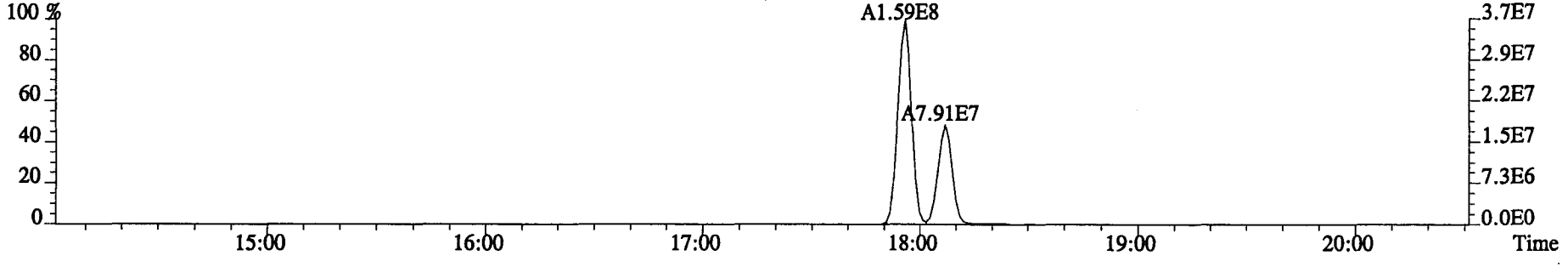


File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES

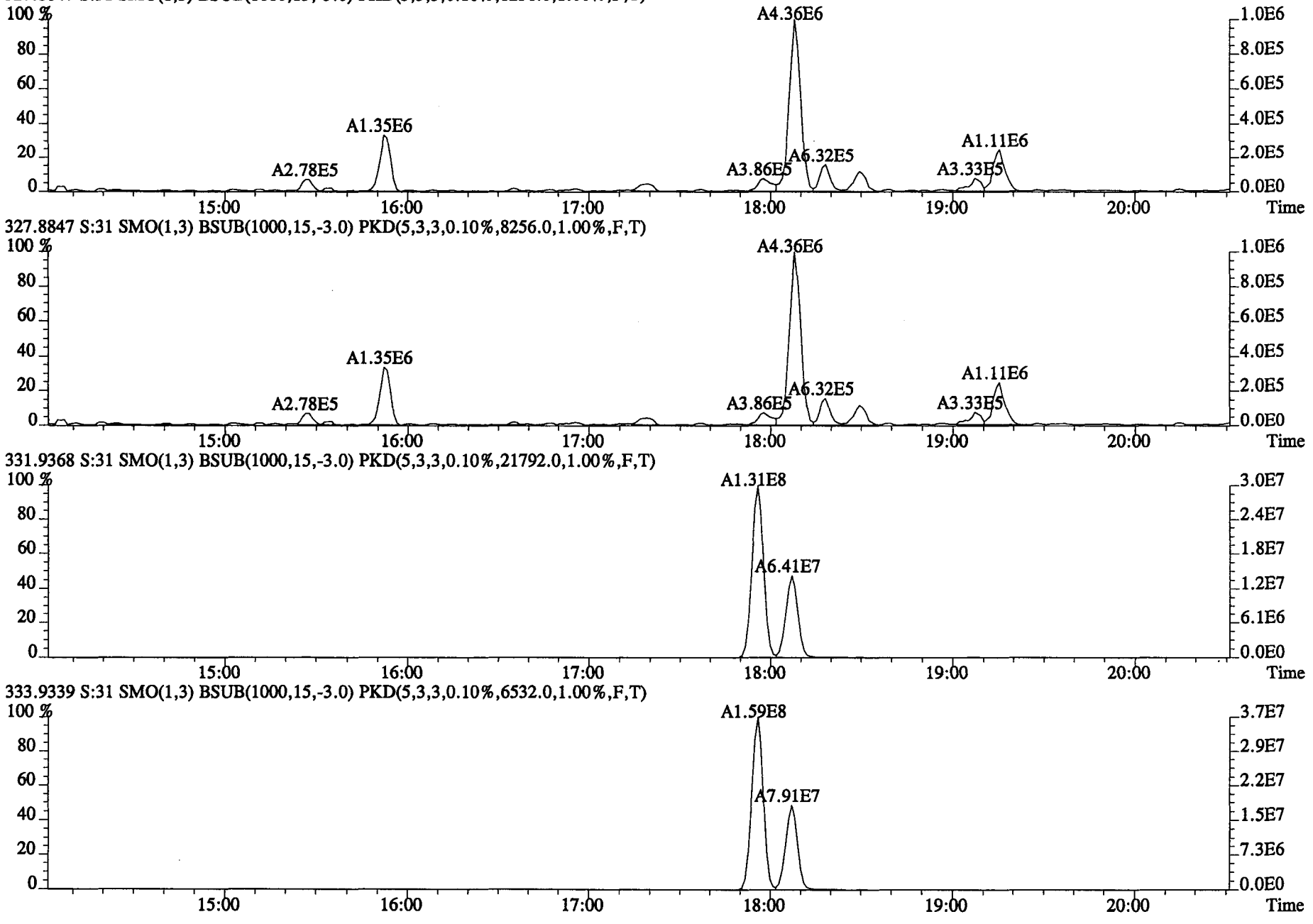




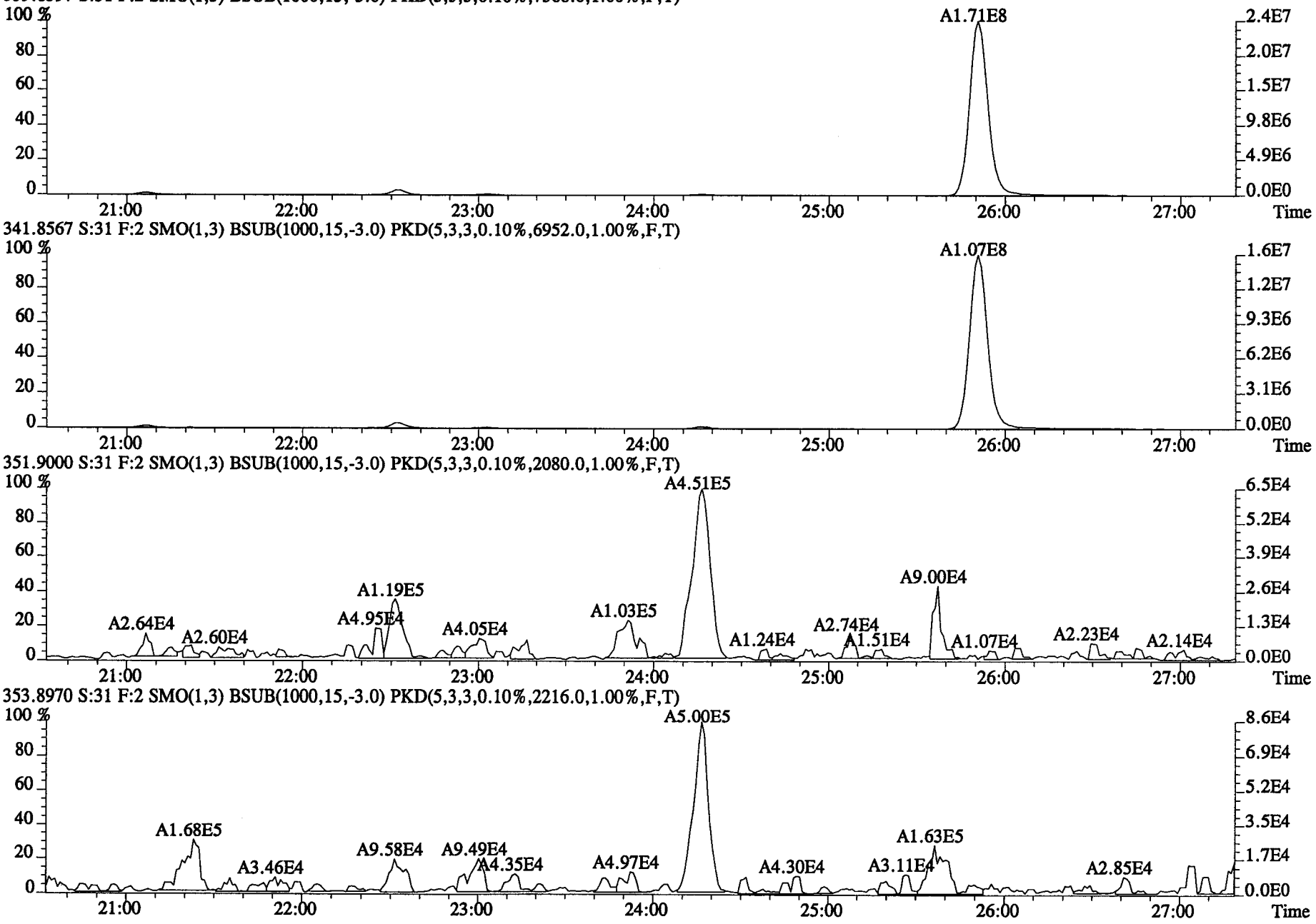




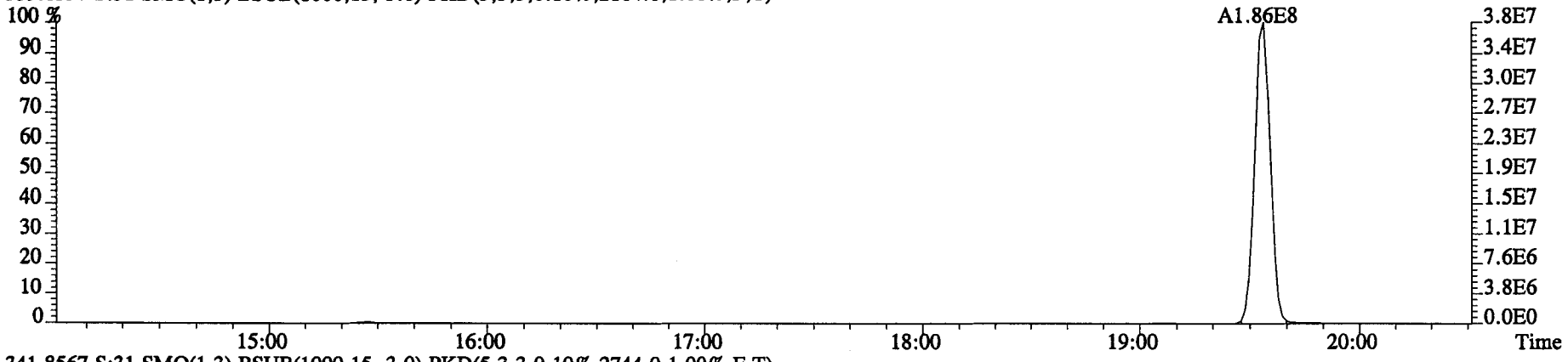
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES



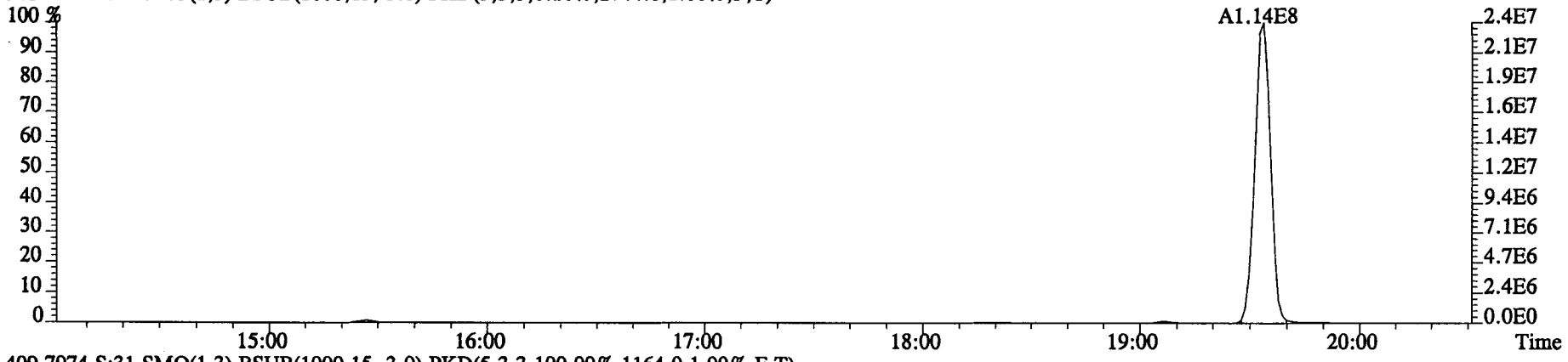
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES



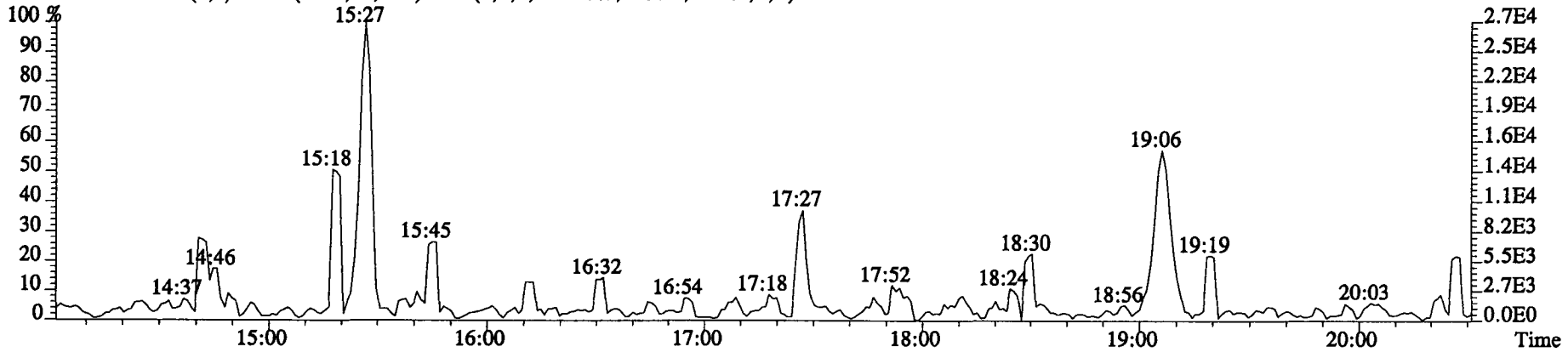
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)



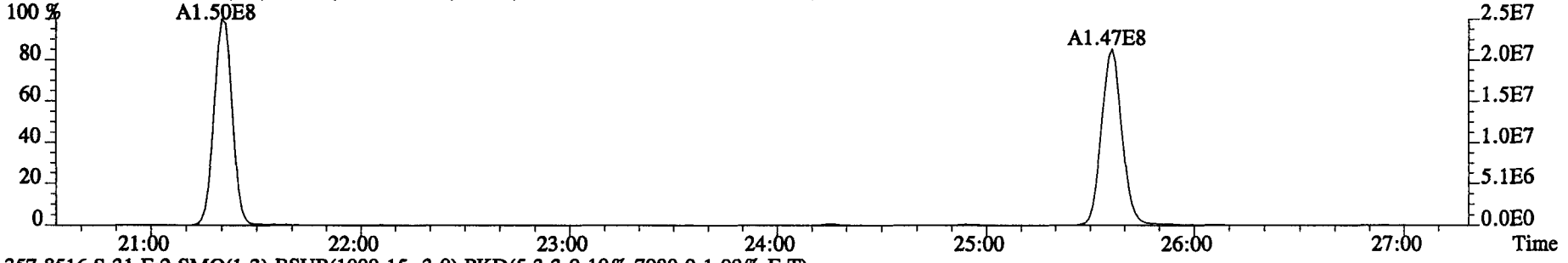
341.8567 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2744.0,1.00%,F,T)



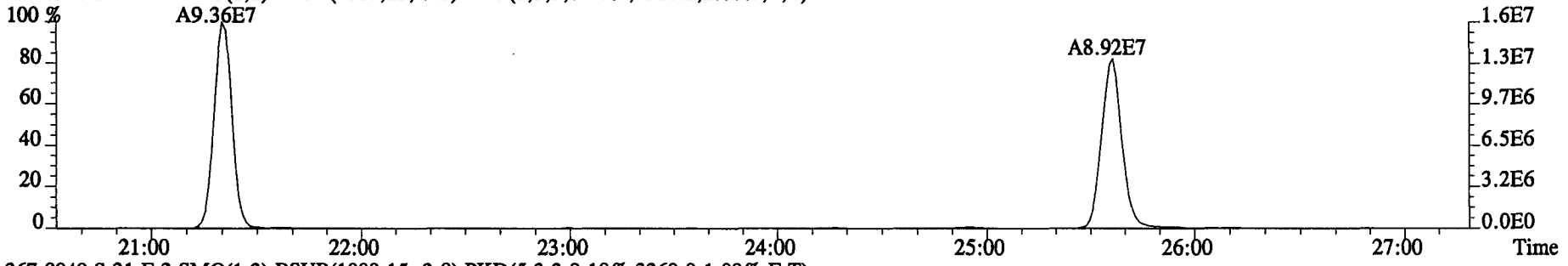
409.7974 S:31 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1164.0,1.00%,F,T)



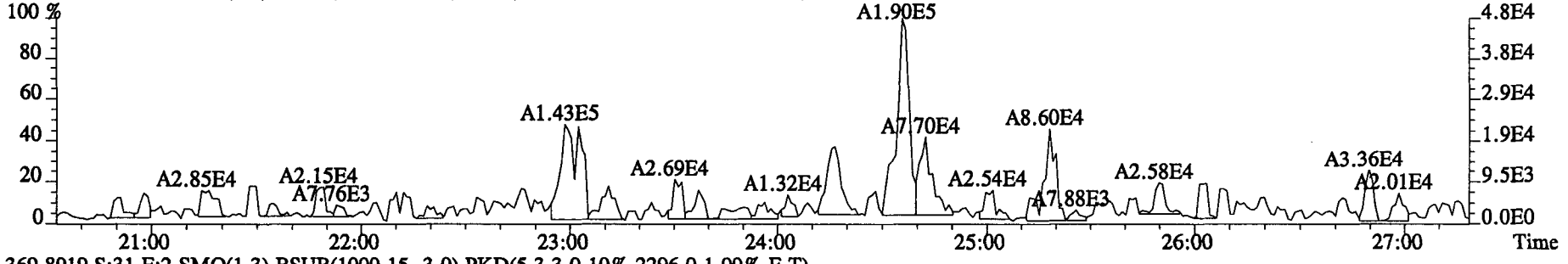
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
355.8546 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12896.0,1.00%,F,T)



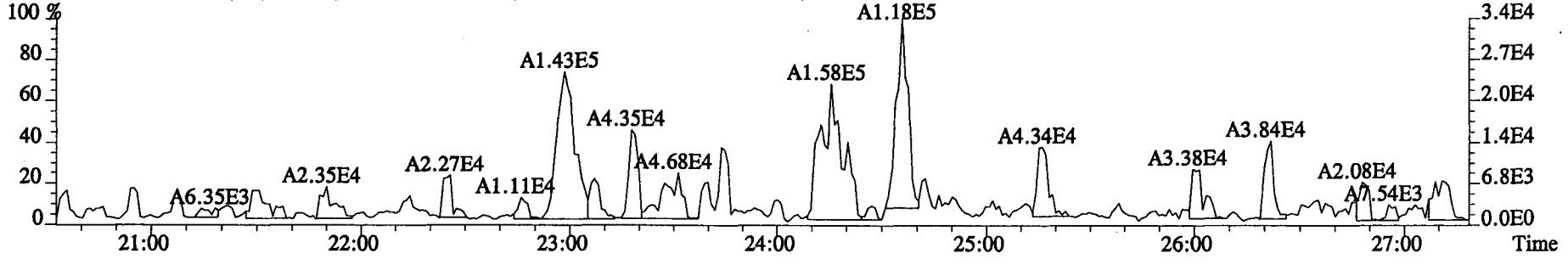
357.8516 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7980.0,1.00%,F,T)



367.8949 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3260.0,1.00%,F,T)

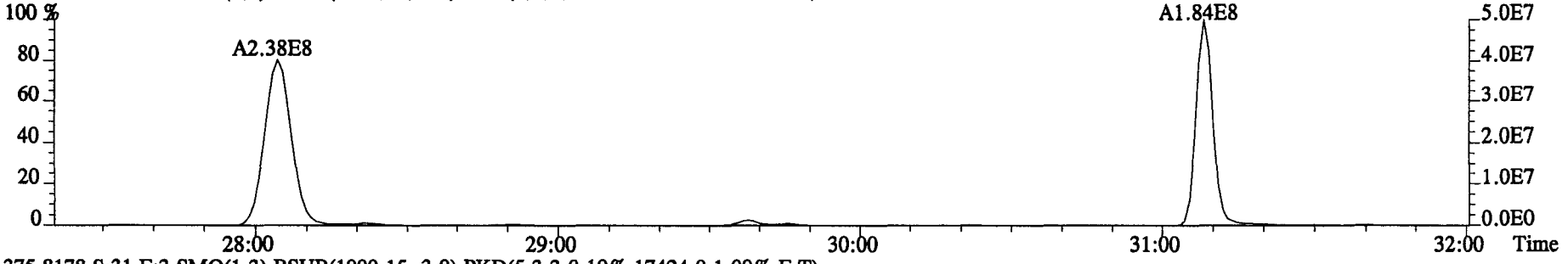


369.8919 S:31 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2296.0,1.00%,F,T)

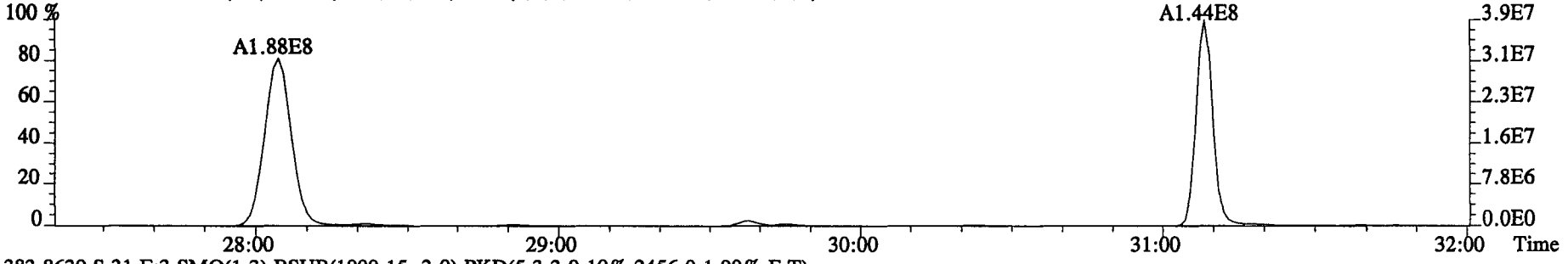


File:22SE10B1D5 #1-301 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES

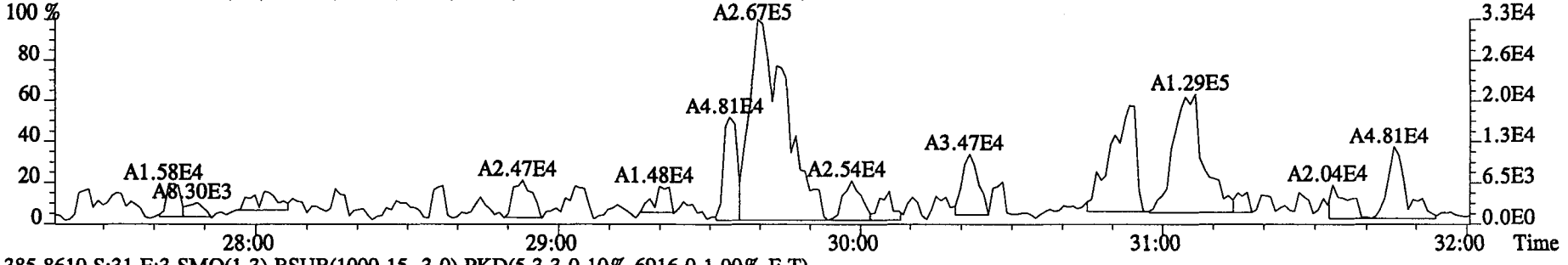
373.8208 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12980.0,1.00%,F,T)



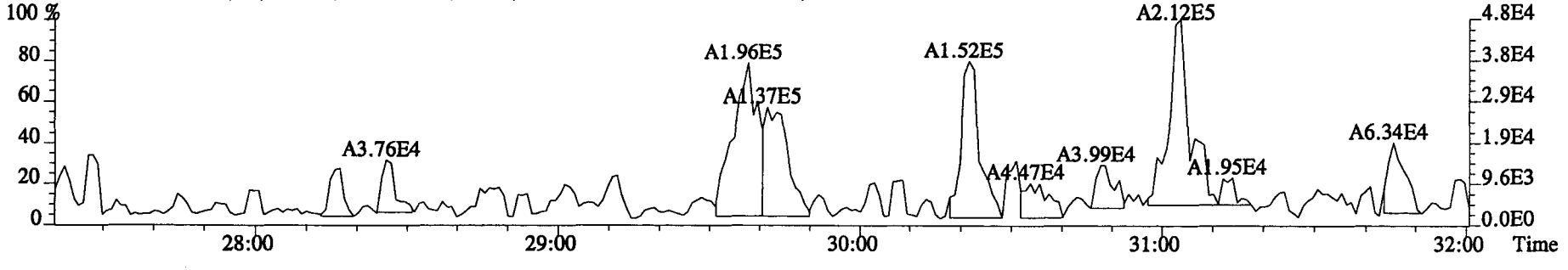
375.8178 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17424.0,1.00%,F,T)



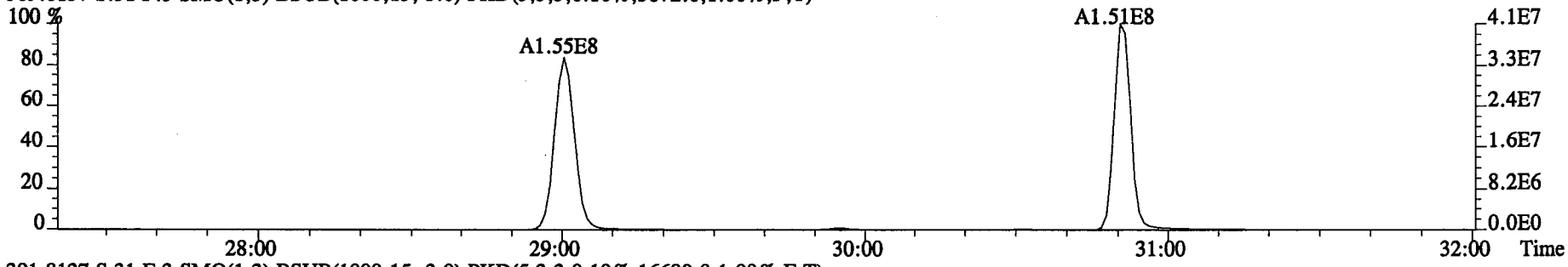
383.8639 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2456.0,1.00%,F,T)



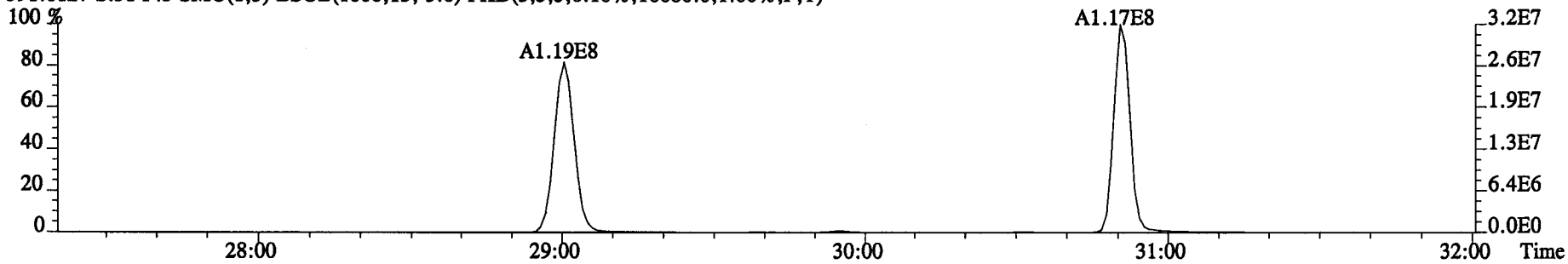
385.8610 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6916.0,1.00%,F,T)



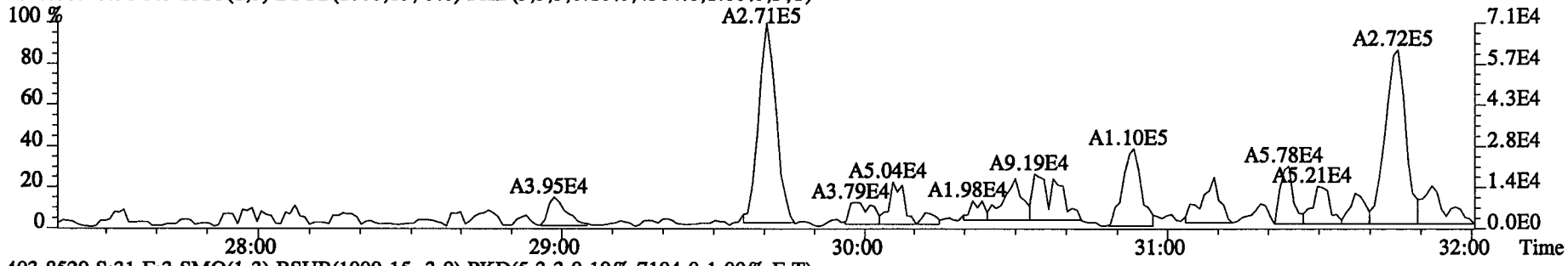
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
389.8157 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5872.0,1.00%,F,T)



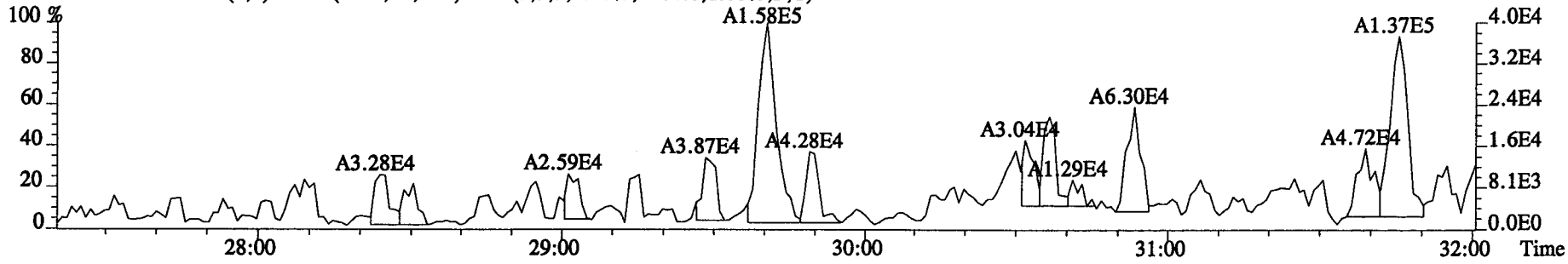
391.8127 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16680.0,1.00%,F,T)



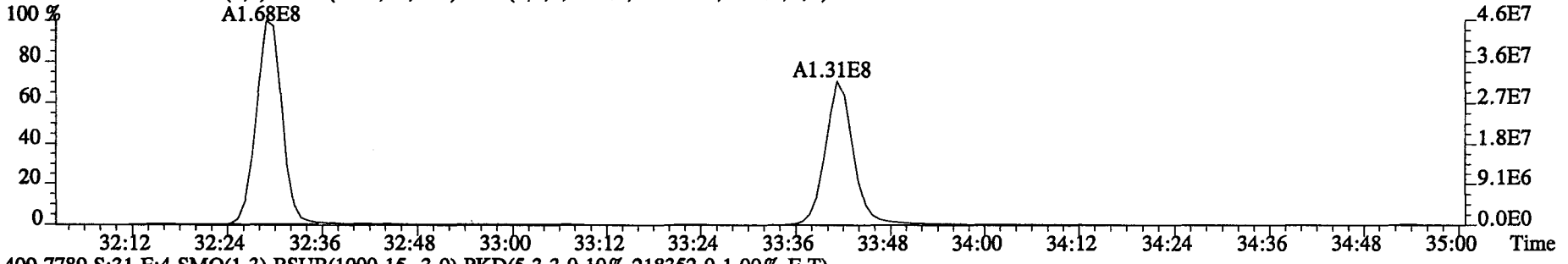
401.8559 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4304.0,1.00%,F,T)



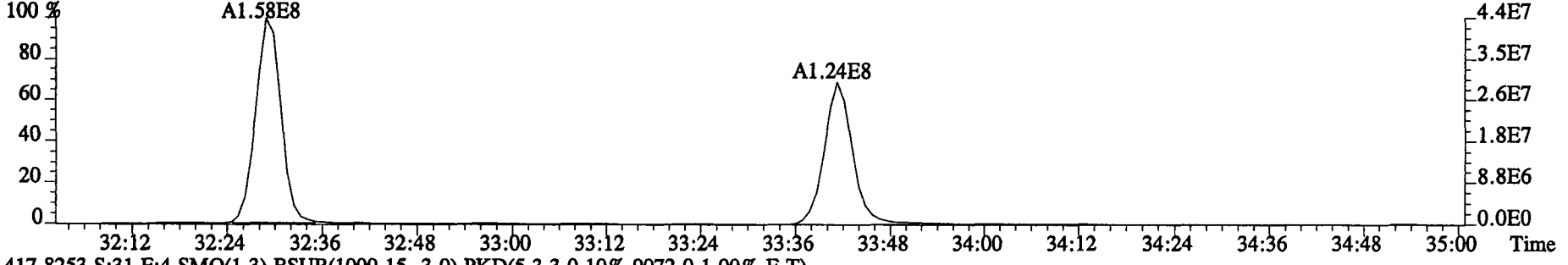
403.8529 S:31 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7104.0,1.00%,F,T)



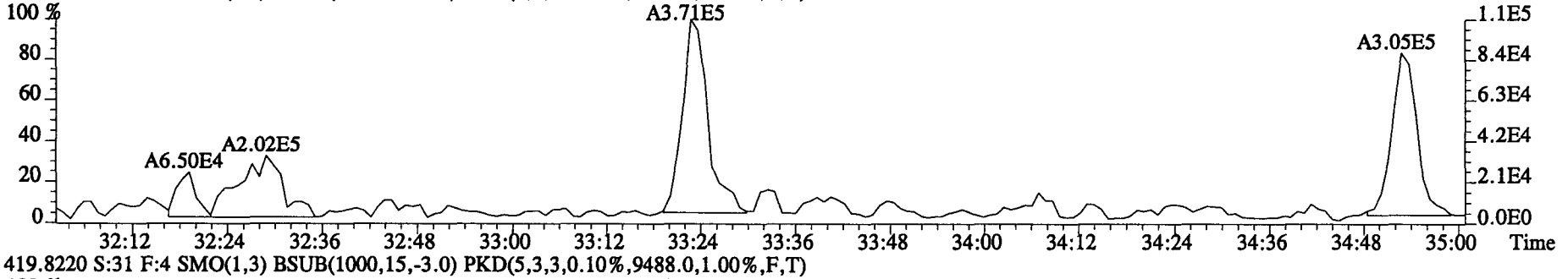
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
407.7818 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,119968.0,1.00%,F,T)



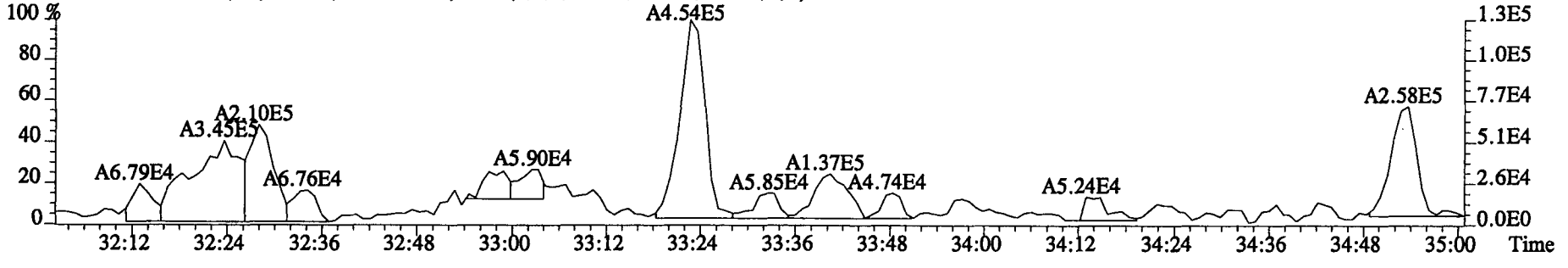
409.7789 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,218352.0,1.00%,F,T)



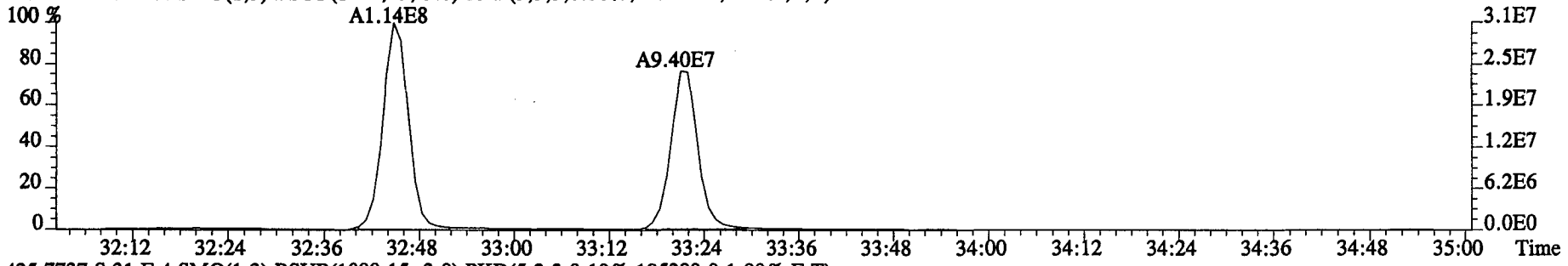
417.8253 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9072.0,1.00%,F,T)



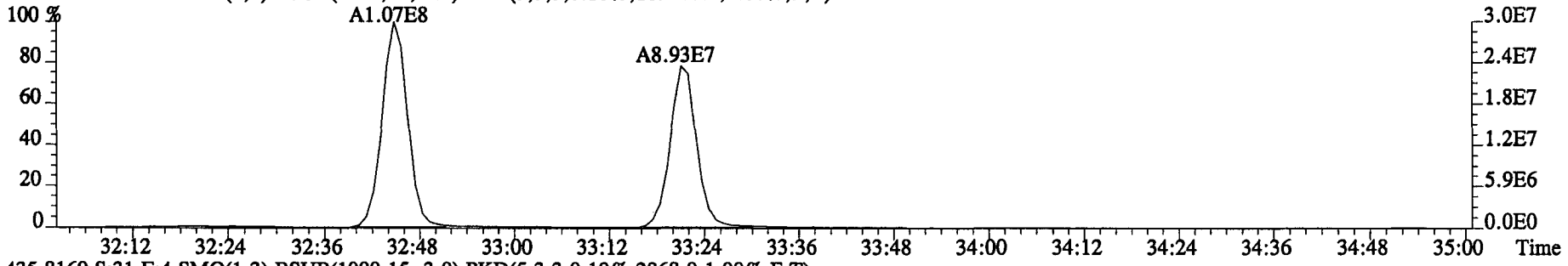
419.8220 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9488.0,1.00%,F,T)



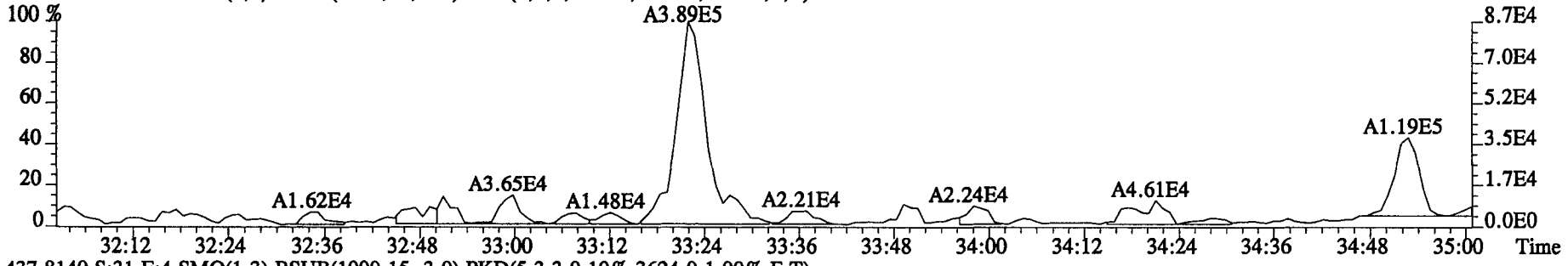
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
423.7766 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,173932.0,1.00%,F,T)



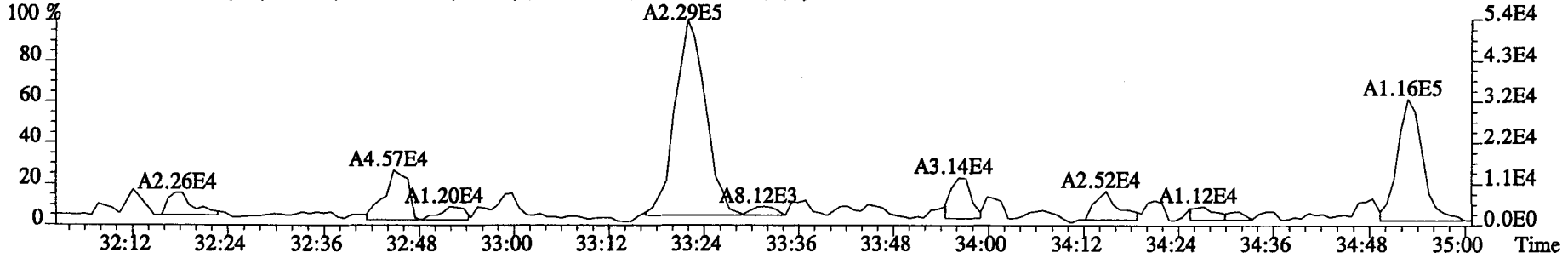
425.7737 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,185280.0,1.00%,F,T)



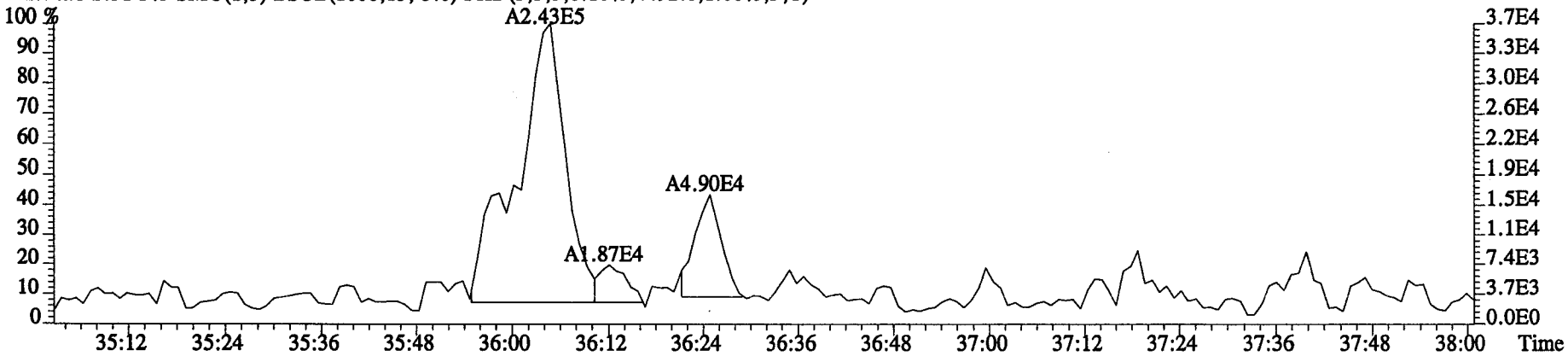
435.8169 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2868.0,1.00%,F,T)



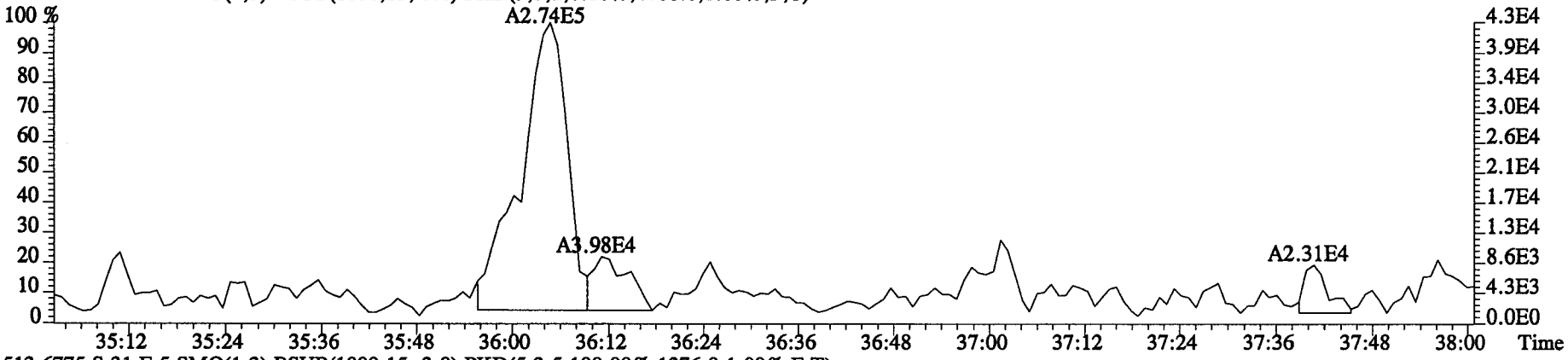
437.8140 S:31 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3624.0,1.00%,F,T)



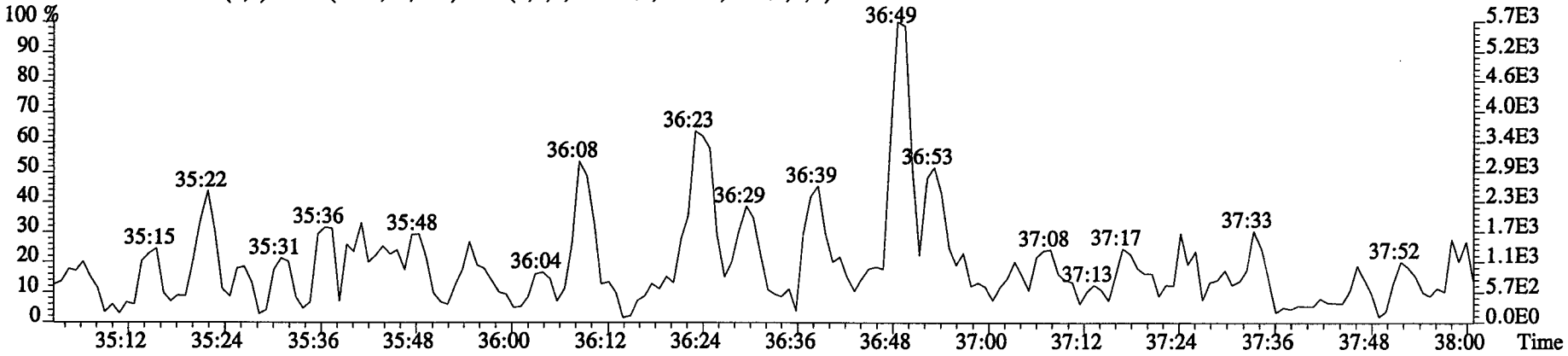
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4492.0,1.00%,F,T)



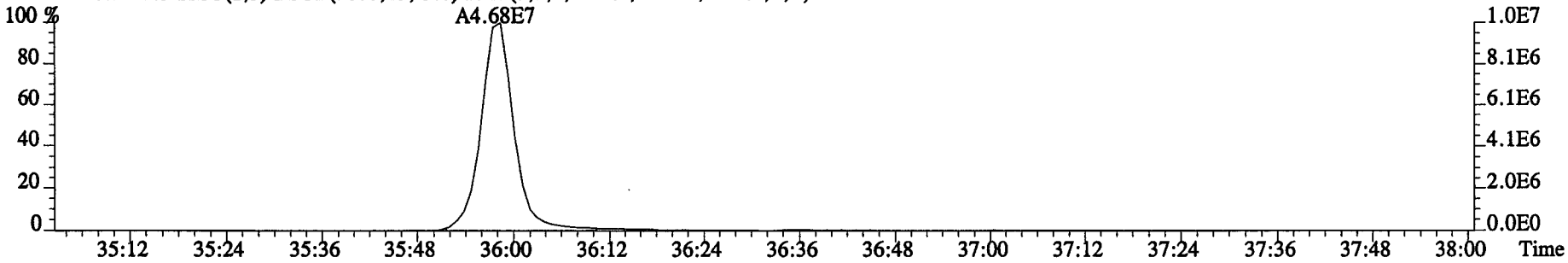
443.7399 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4708.0,1.00%,F,T)



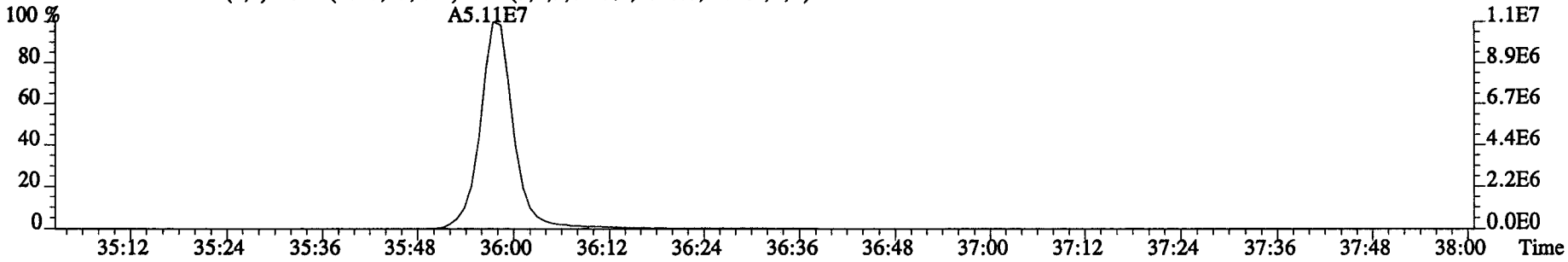
513.6775 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1276.0,1.00%,F,T)



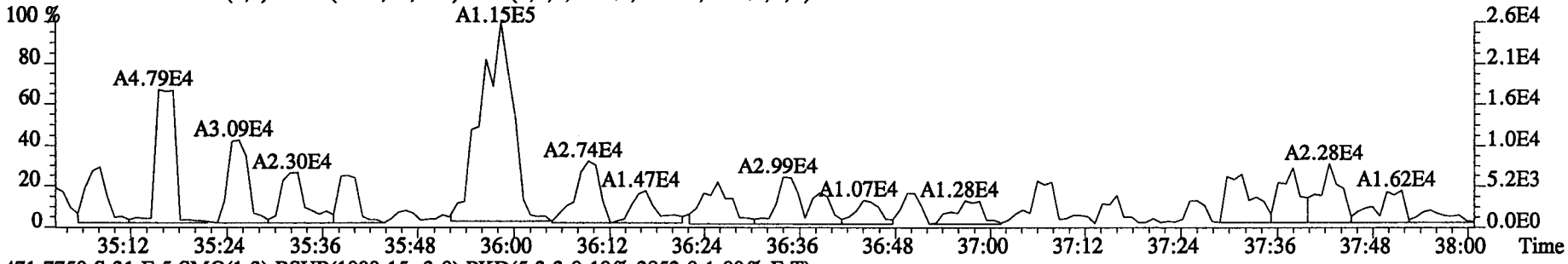
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
457.7377 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3856.0,1.00%,F,T)



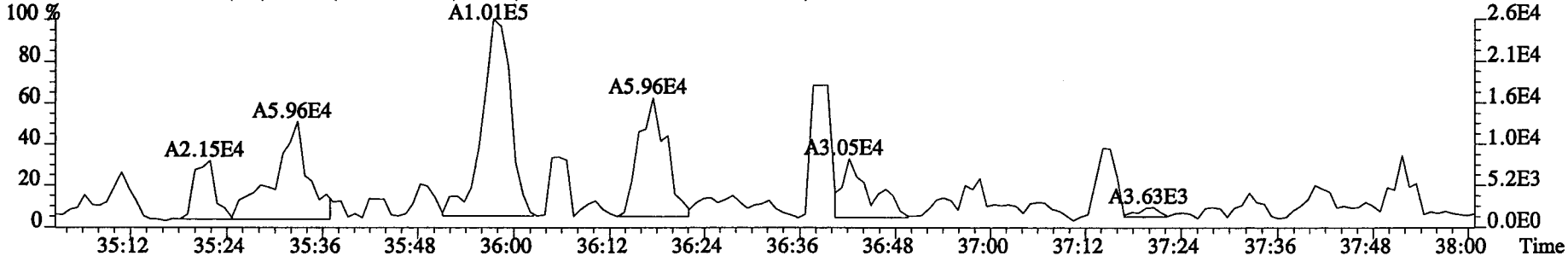
459.7348 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4828.0,1.00%,F,T)



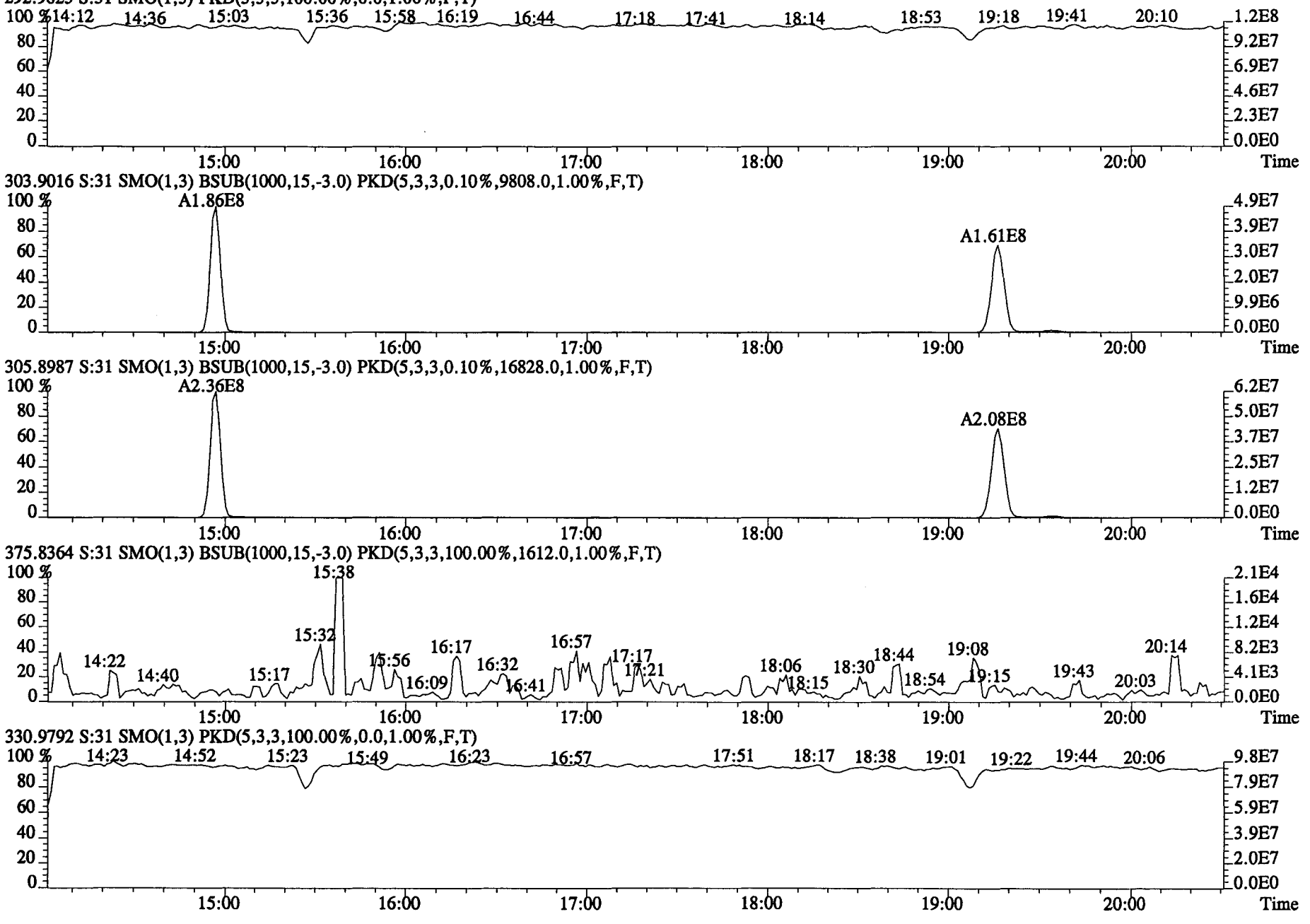
469.7779 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1576.0,1.00%,F,T)



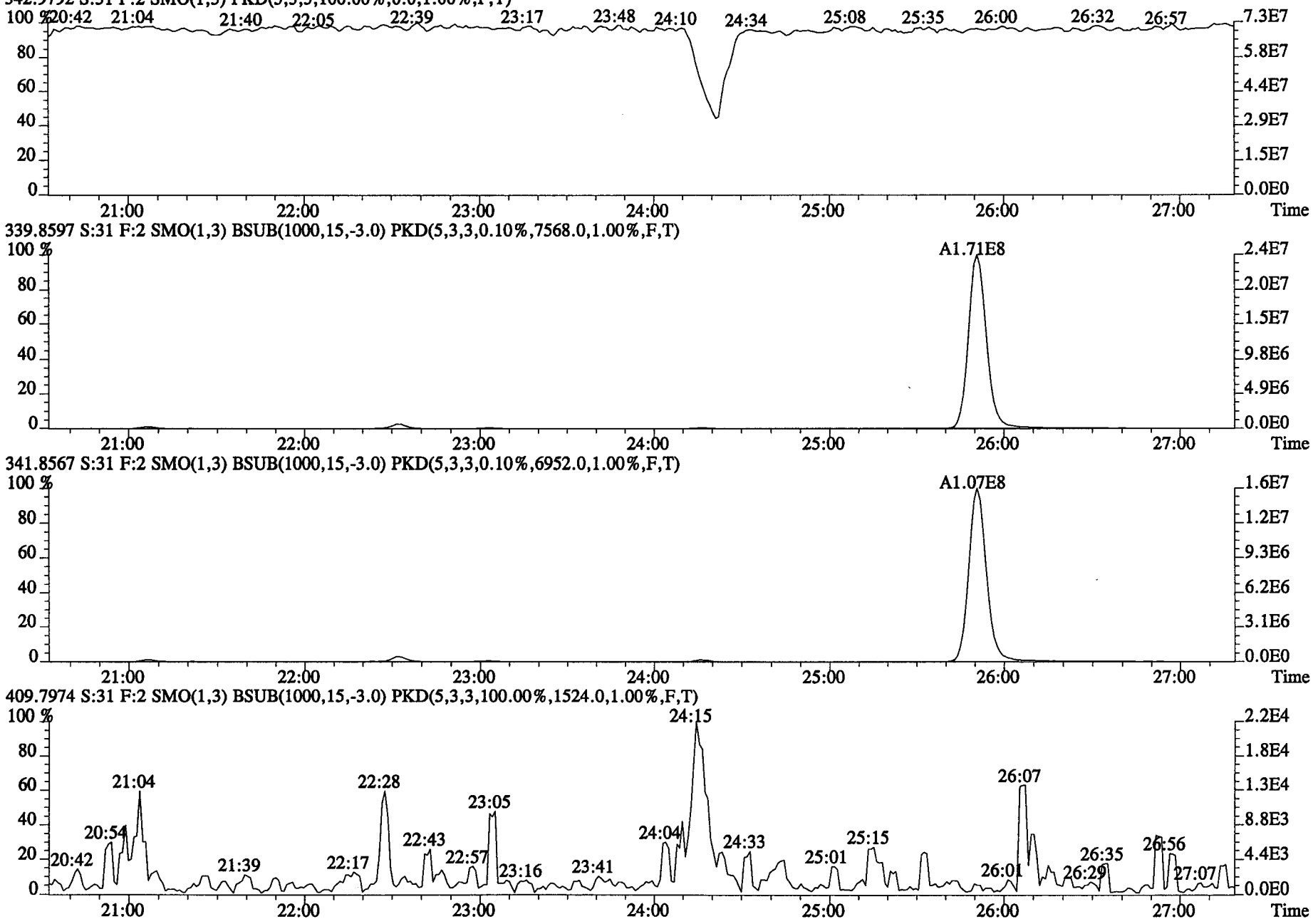
471.7750 S:31 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2852.0,1.00%,F,T)



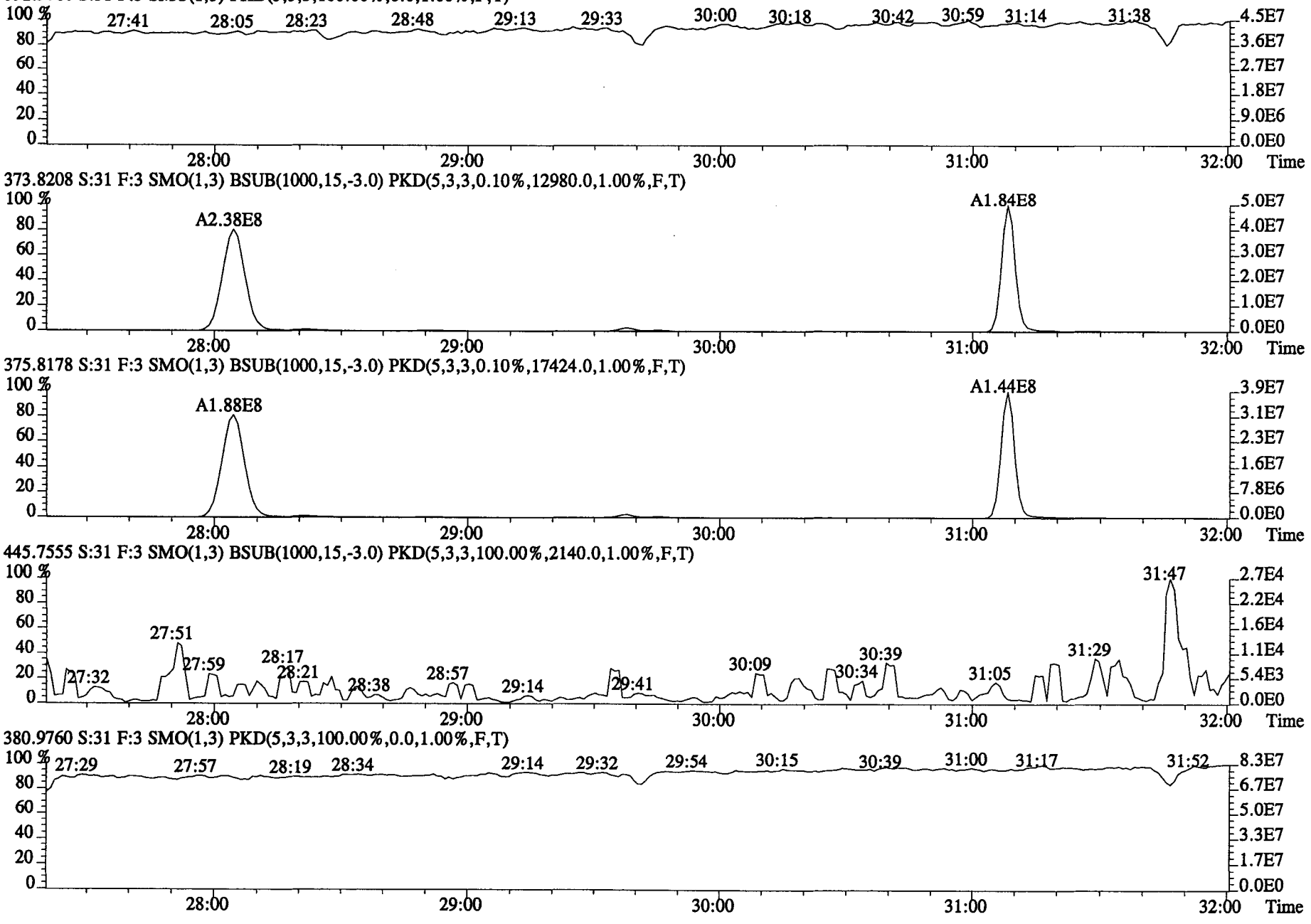
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES



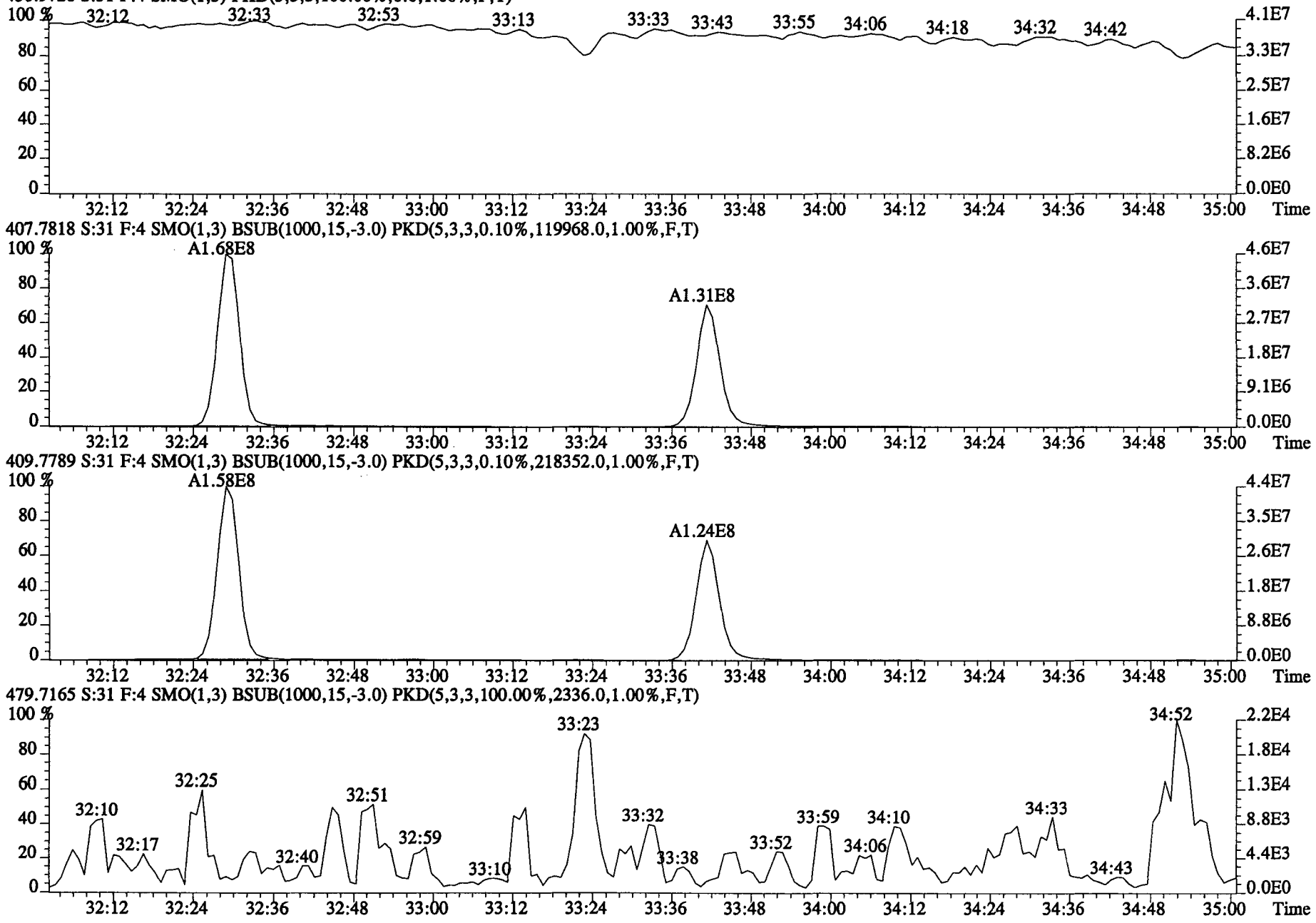
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES



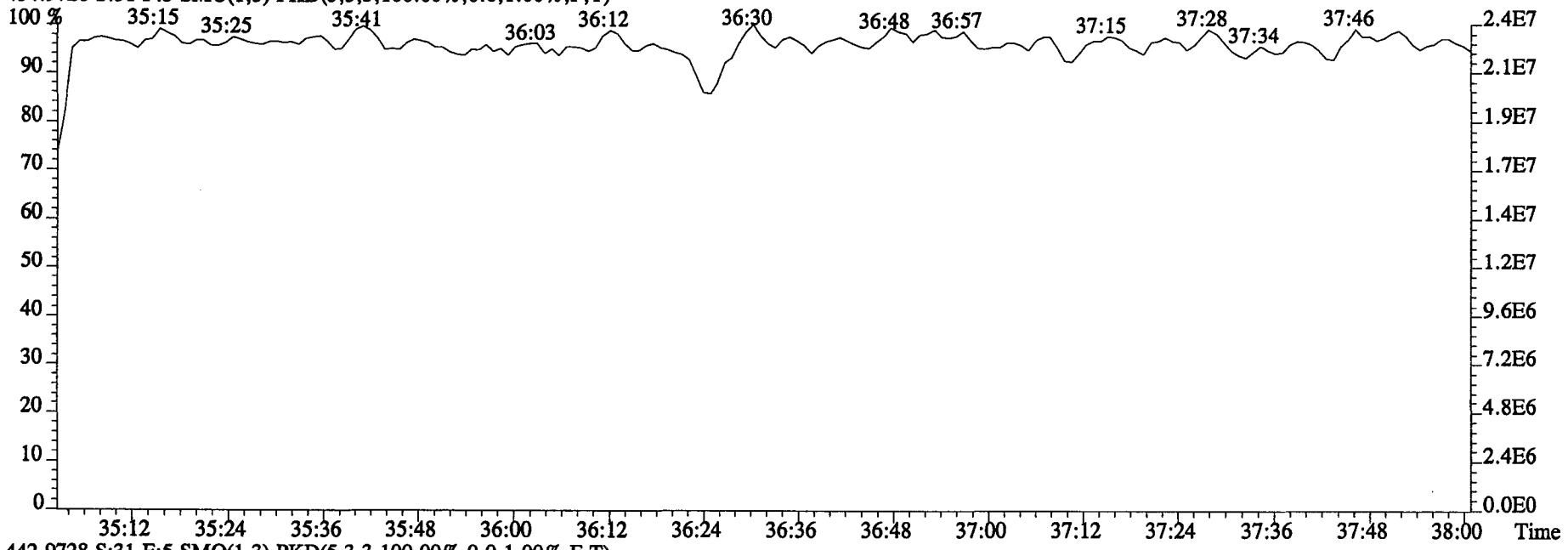
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES



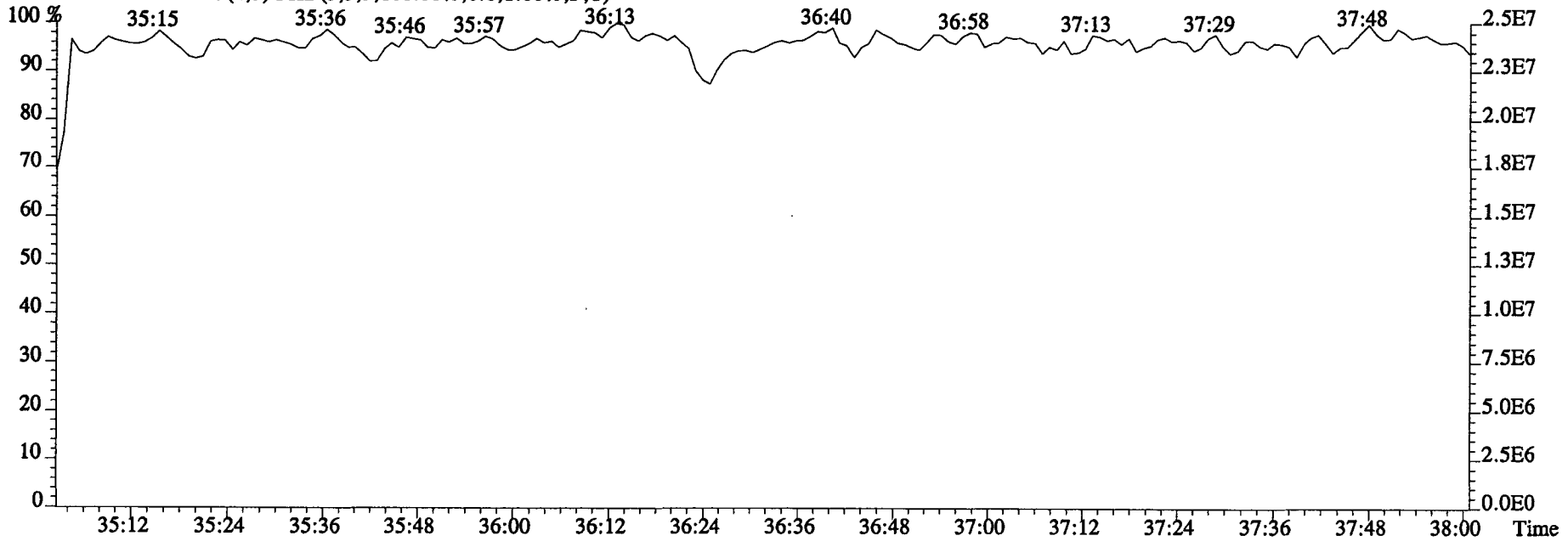
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES



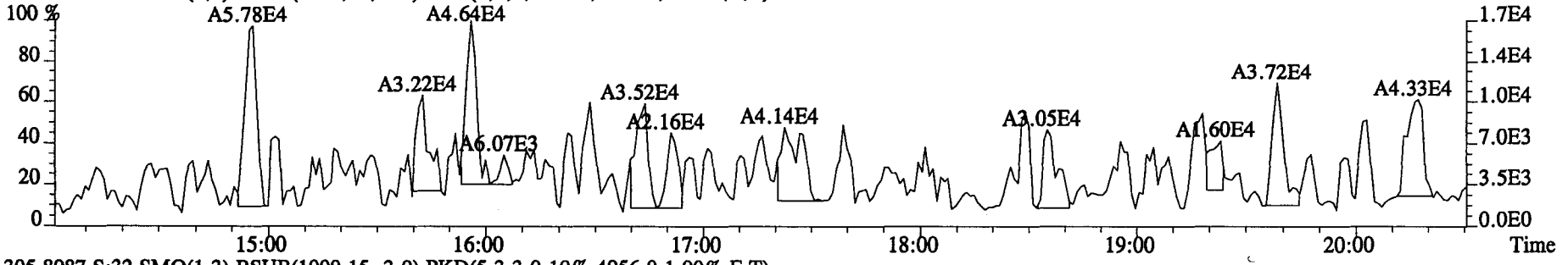
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 21:07:46 GC EI+ Voltage SIR 70SE
Sample#31 Text:CP0922C :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



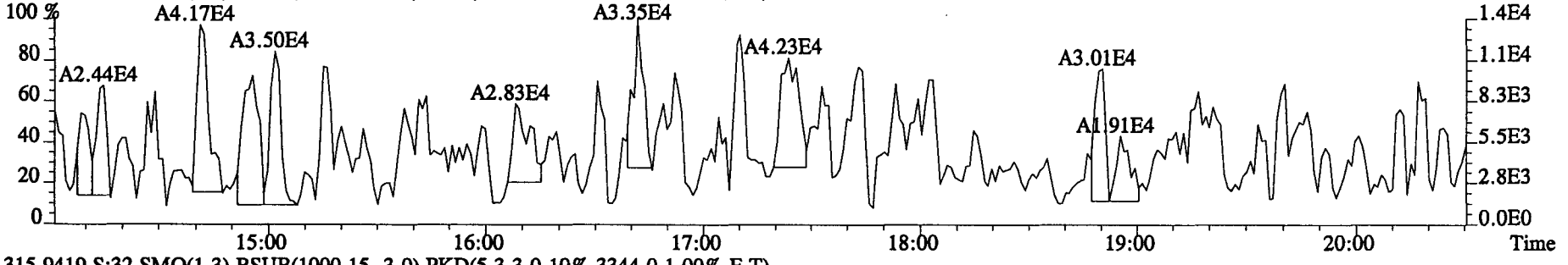
442.9728 S:31 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



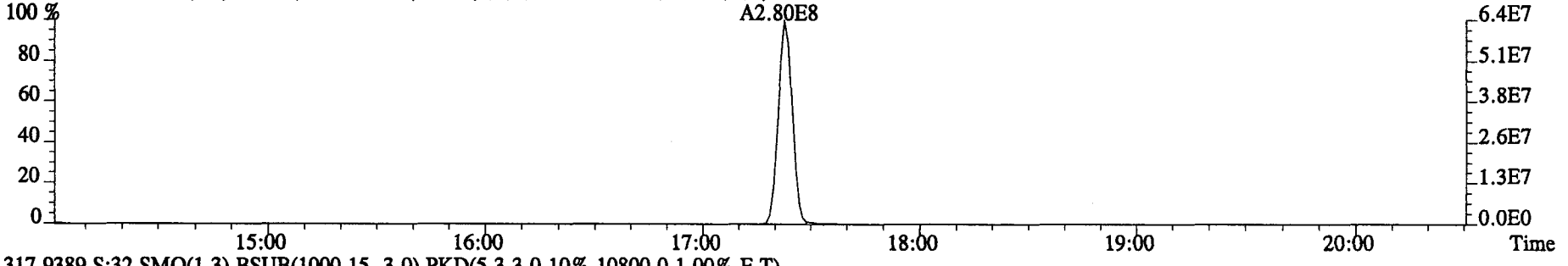
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES
303.9016 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4252.0,1.00%,F,T)



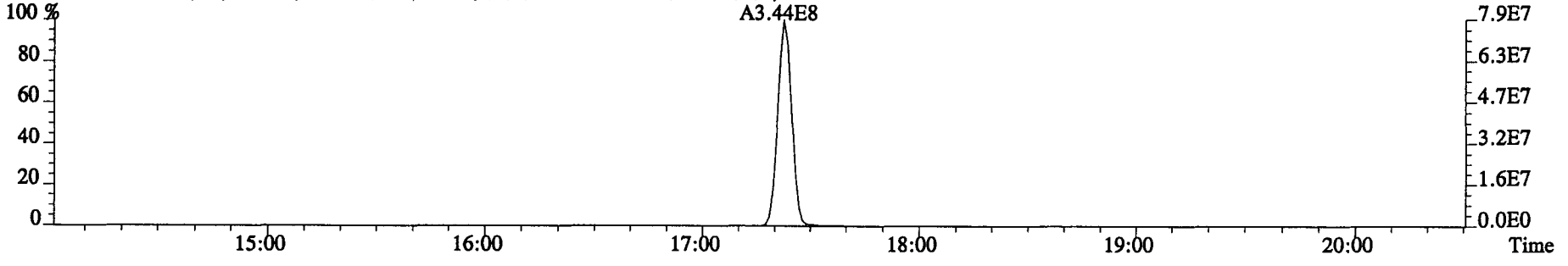
305.8987 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



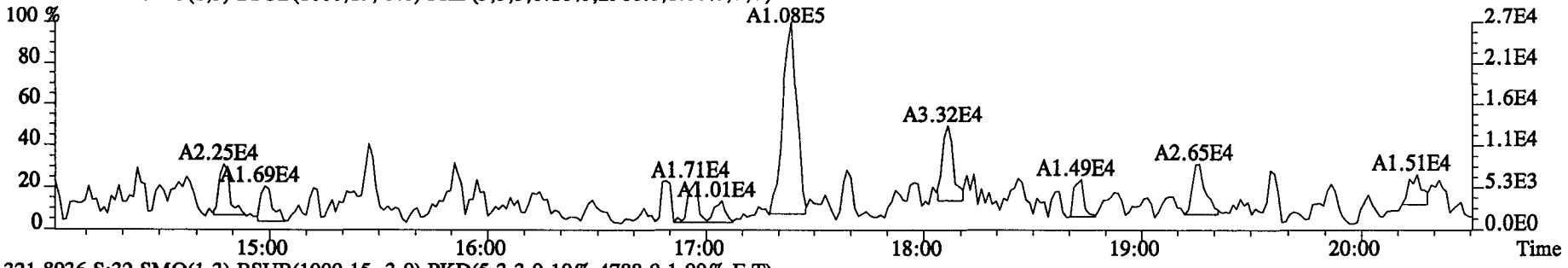
315.9419 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3344.0,1.00%,F,T)

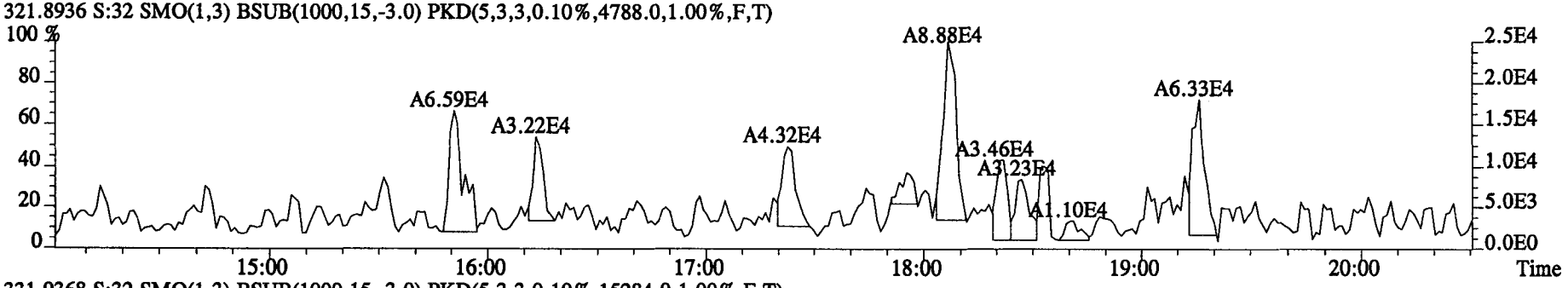


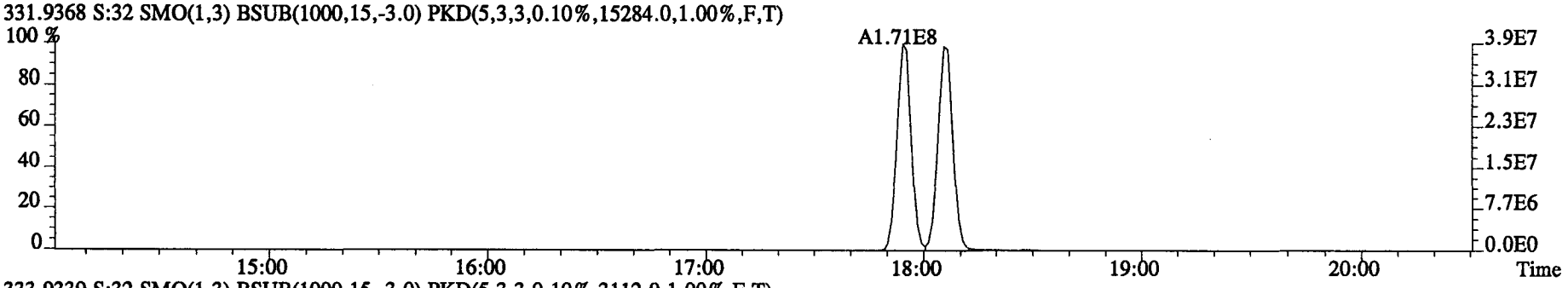
317.9389 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10800.0,1.00%,F,T)

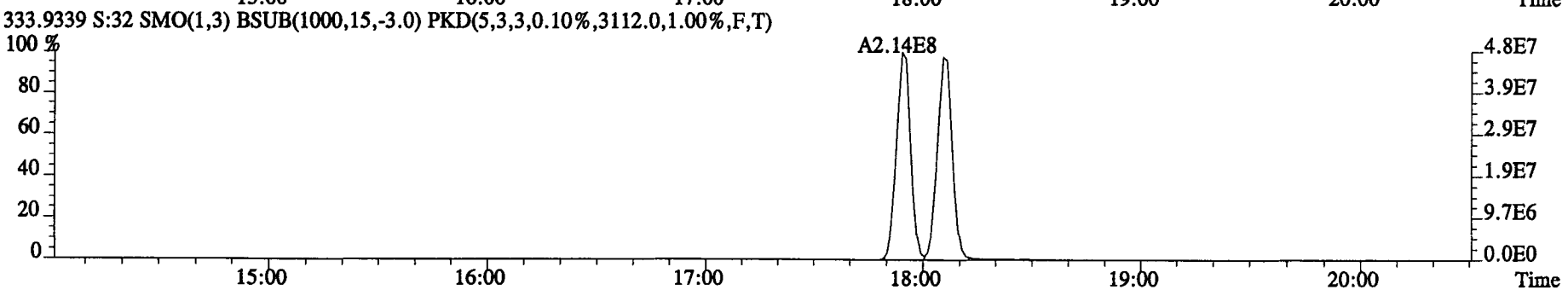


File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES

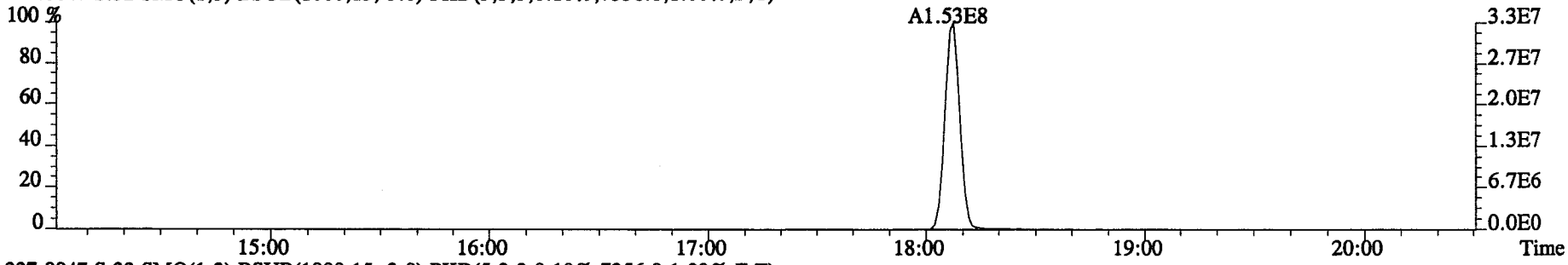




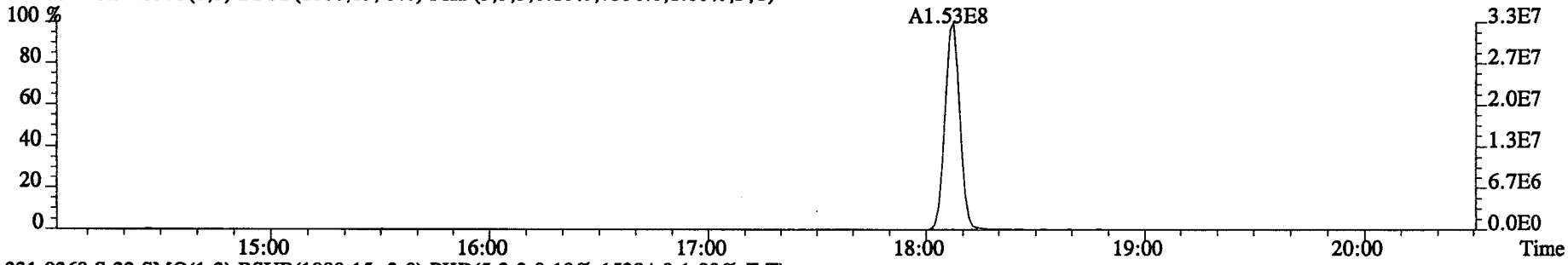




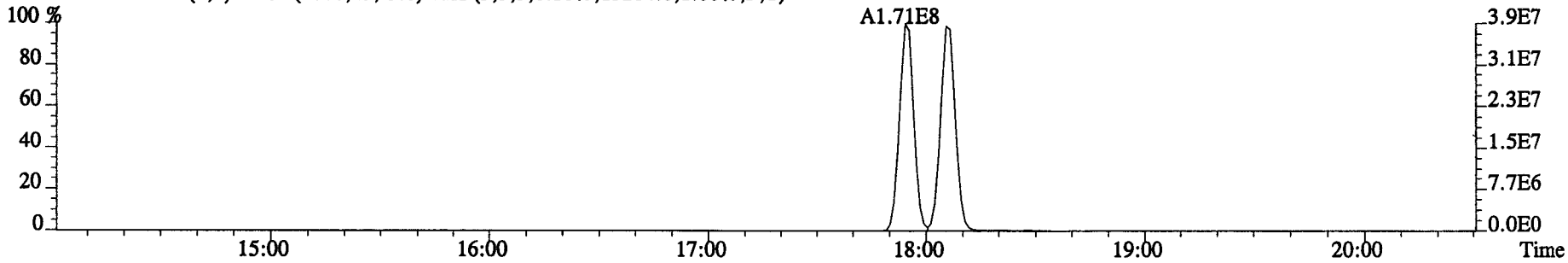
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES
327.8847 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7356.0,1.00%,F,T)



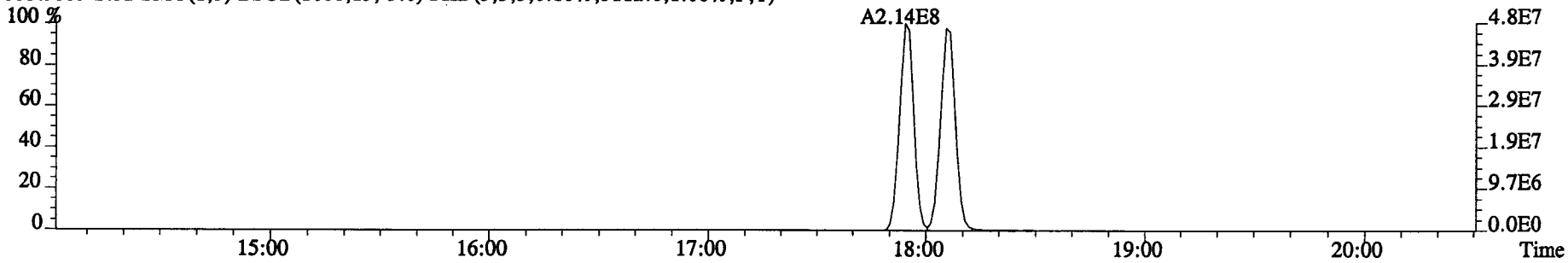
327.8847 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7356.0,1.00%,F,T)



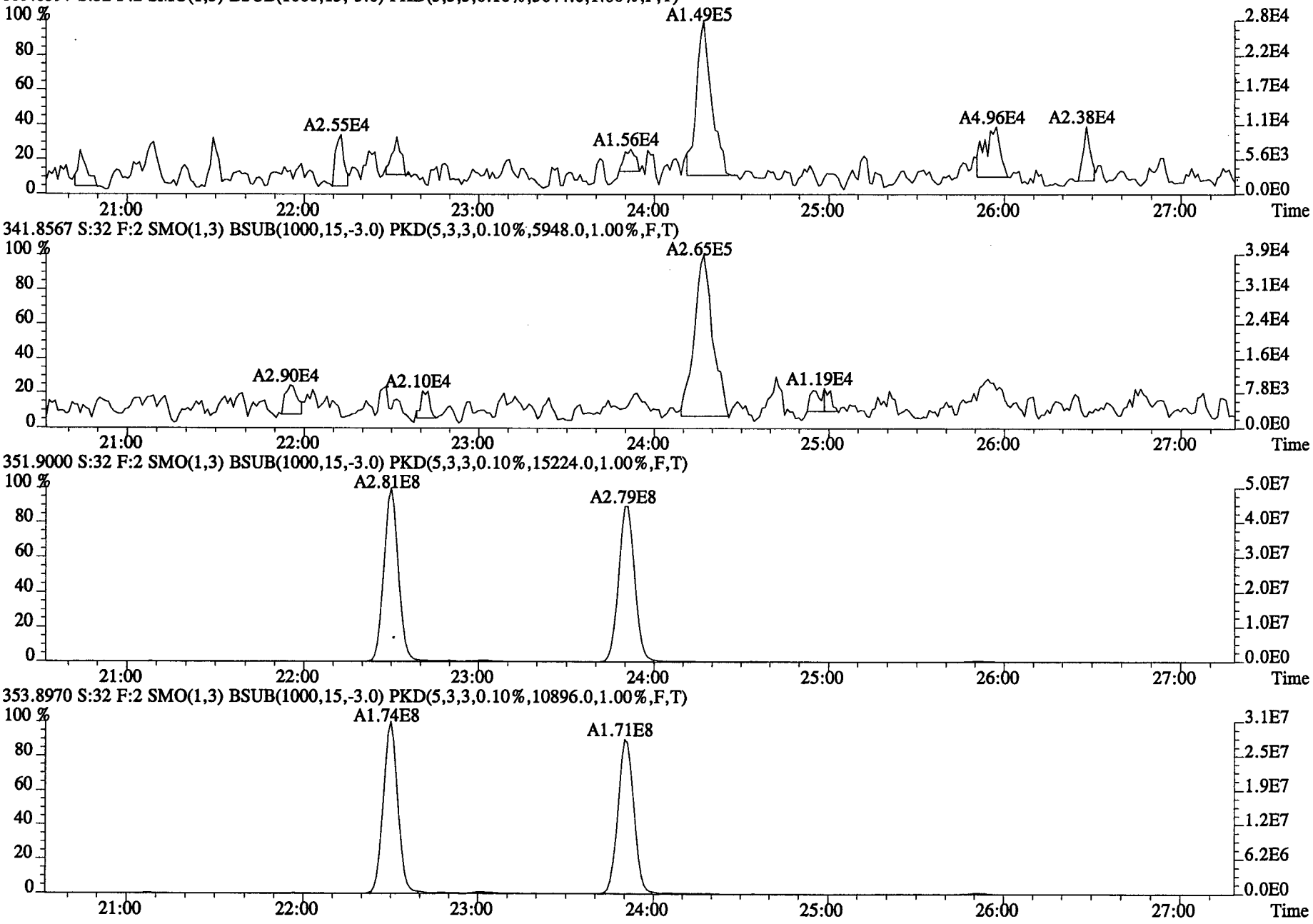
331.9368 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15284.0,1.00%,F,T)



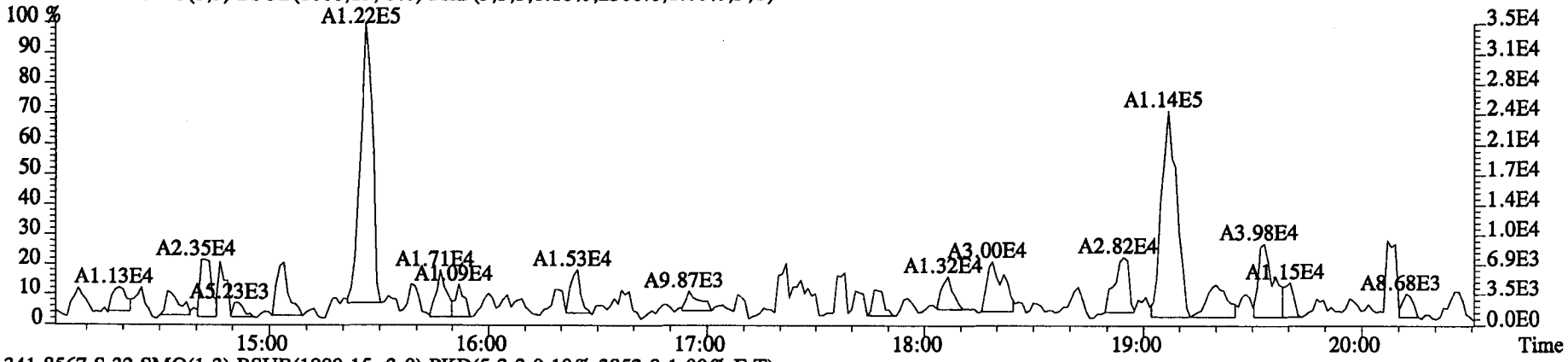
333.9339 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3112.0,1.00%,F,T)



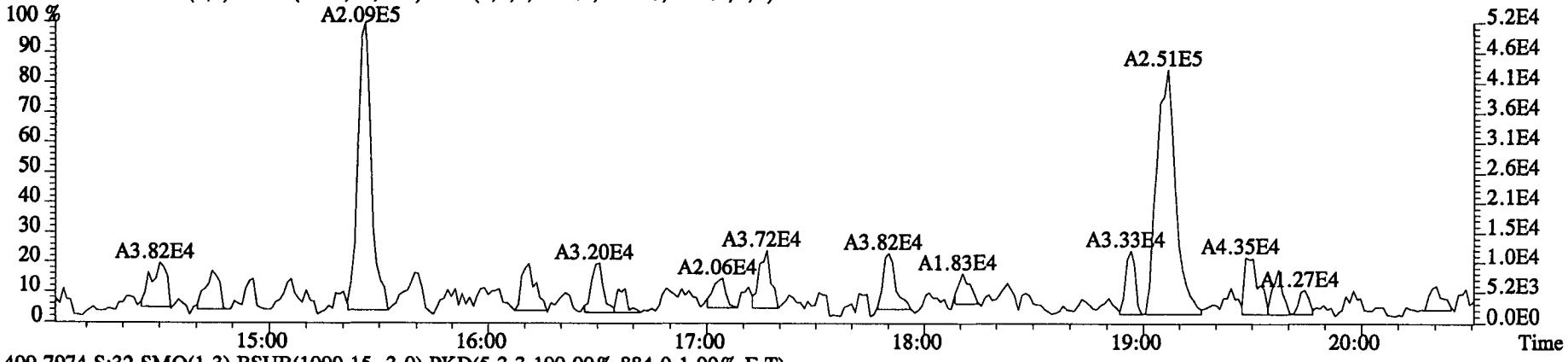
File:22SE10B1D5 #1-422 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES



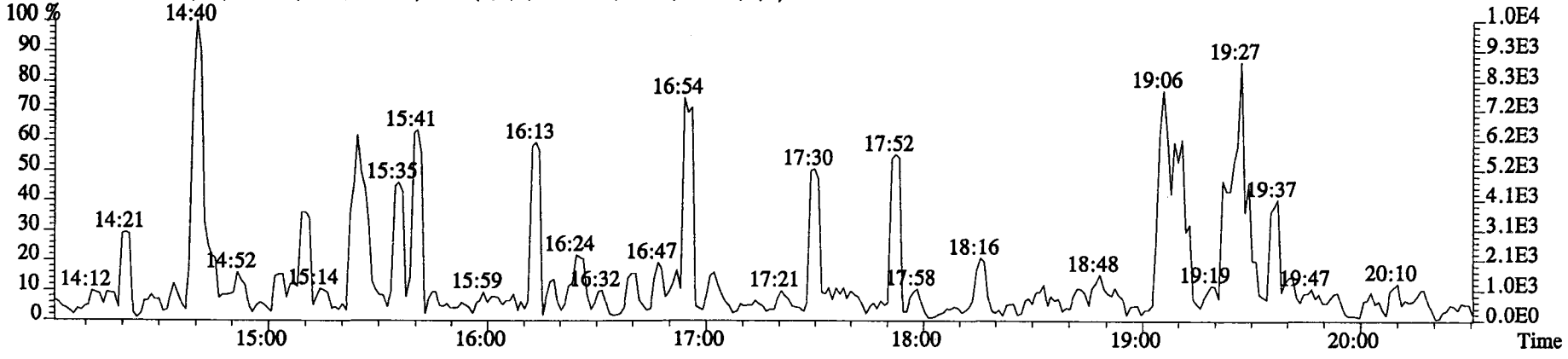
File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES
339.8597 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2308.0,1.00%,F,T)



341.8567 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3852.0,1.00%,F,T)

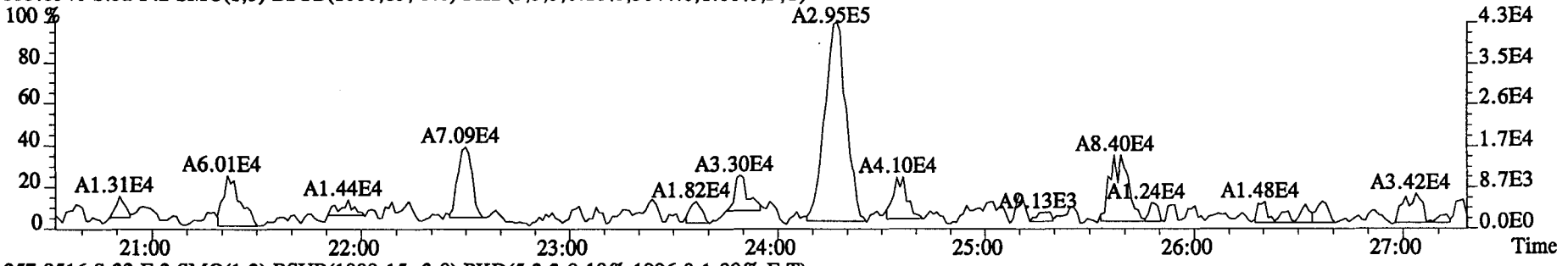


409.7974 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,884.0,1.00%,F,T)

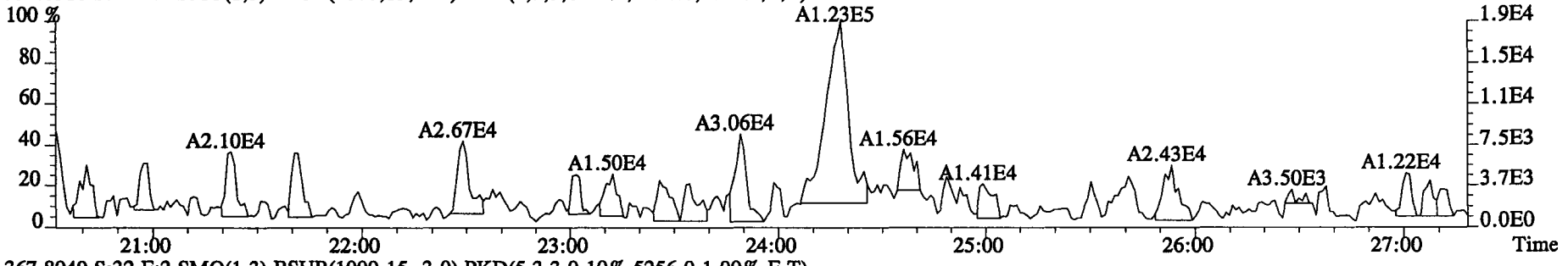


File:22SE10B1D5 #1-422 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES

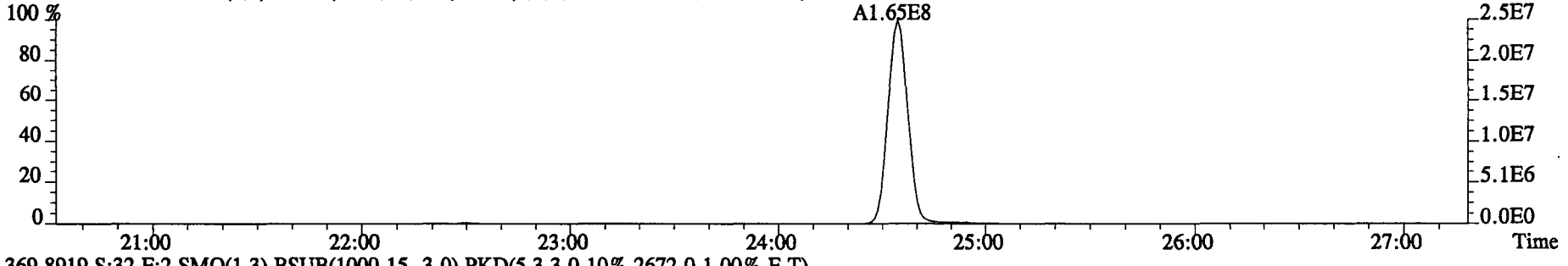
355.8546 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3044.0,1.00%,F,T)



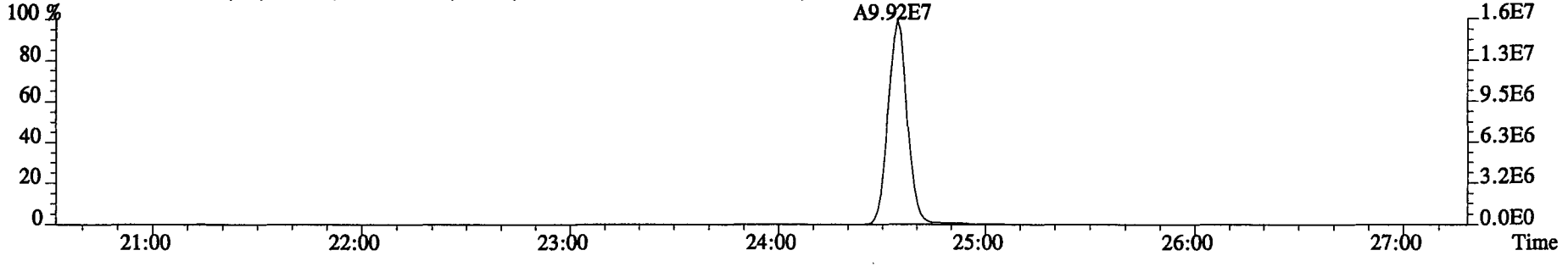
357.8516 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1996.0,1.00%,F,T)



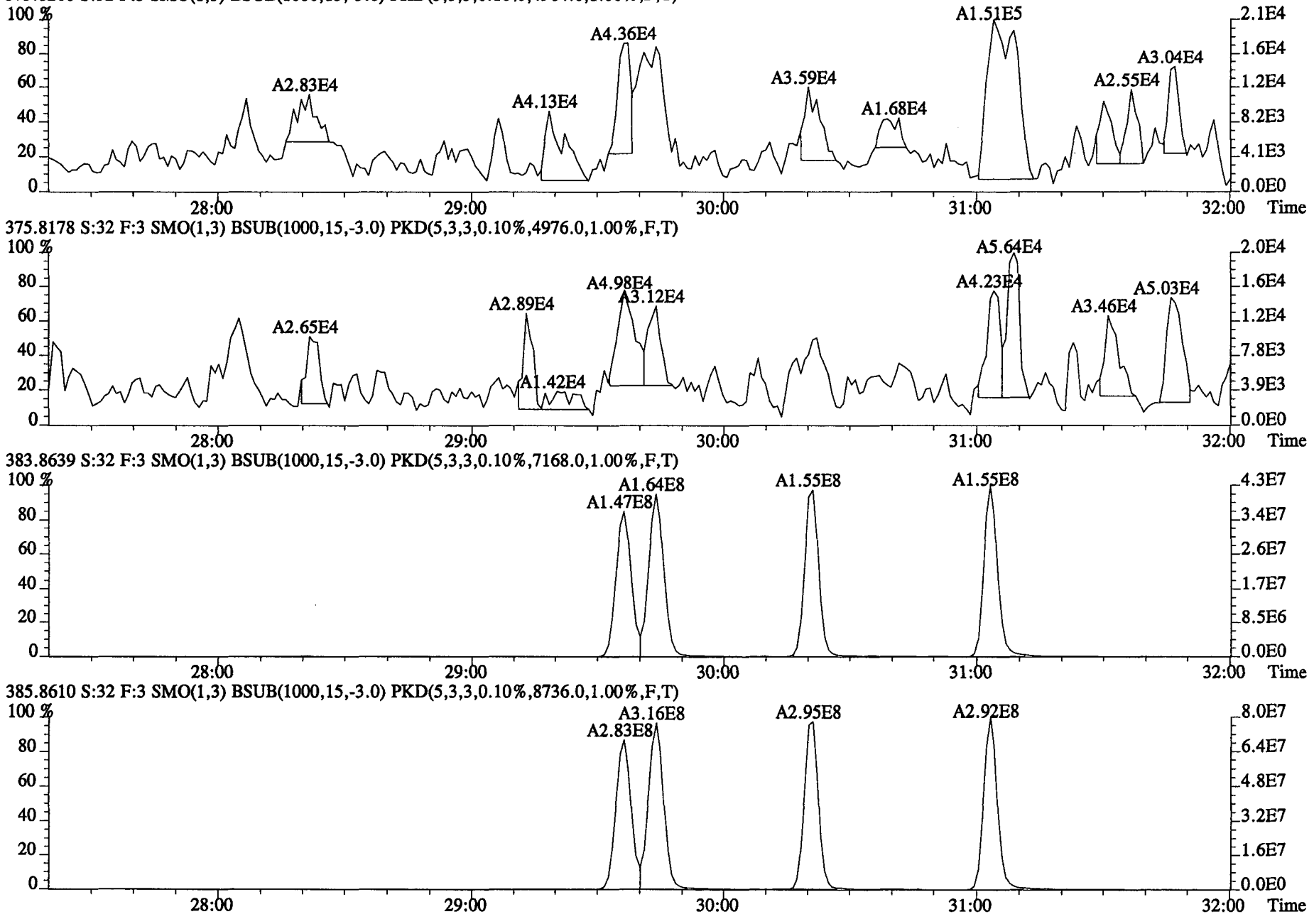
367.8949 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5256.0,1.00%,F,T)



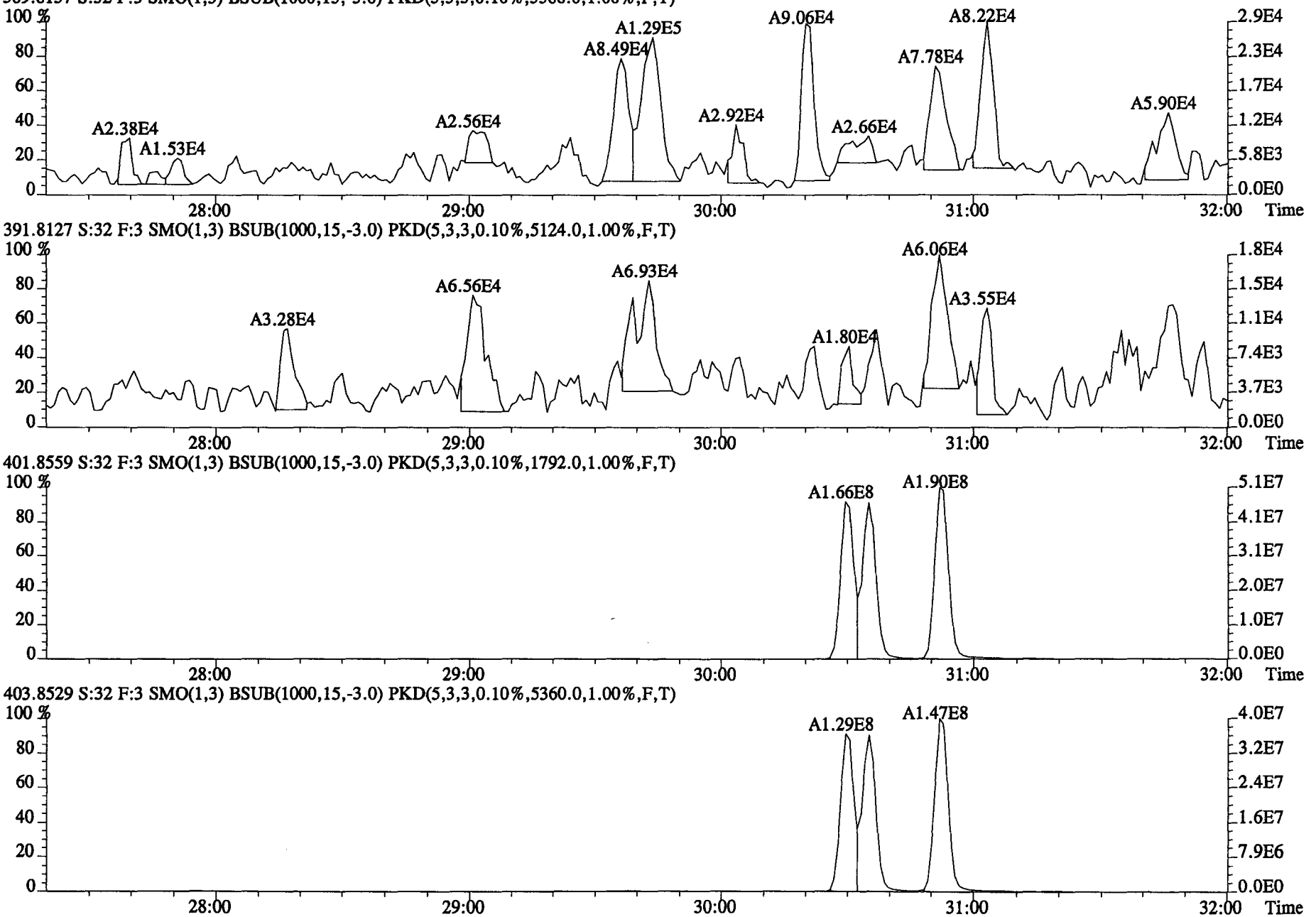
369.8919 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2672.0,1.00%,F,T)



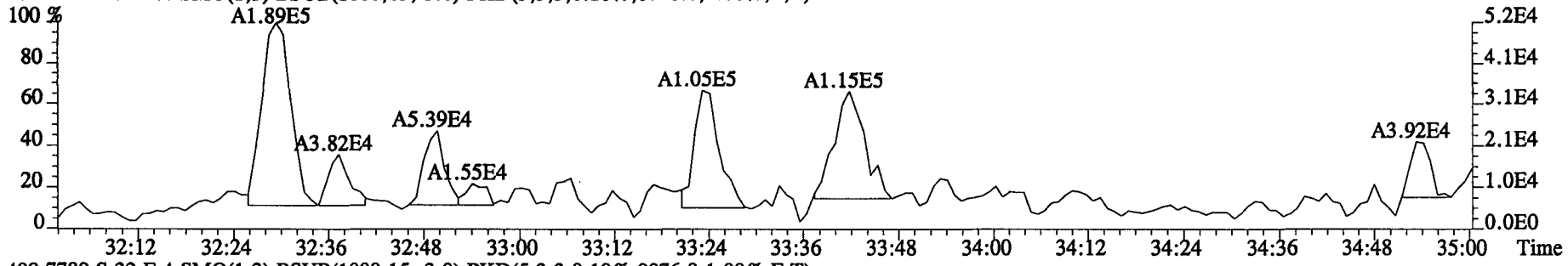
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES



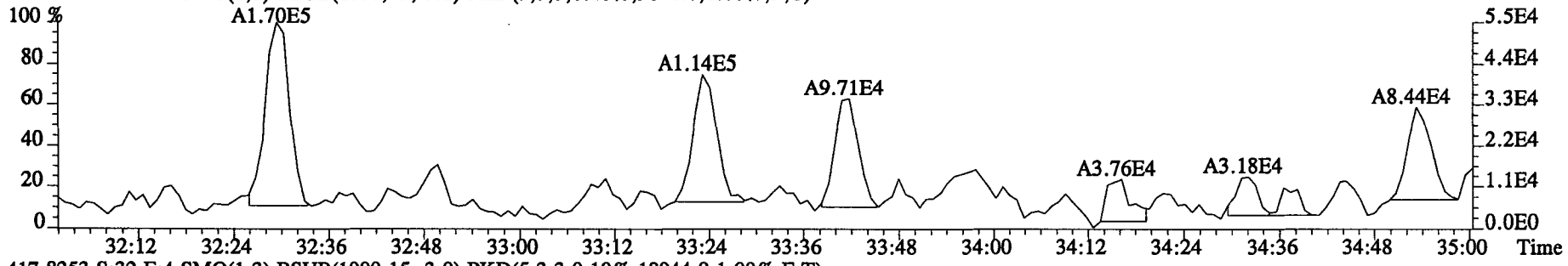
File:22SE10B1D5 #1-301 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES



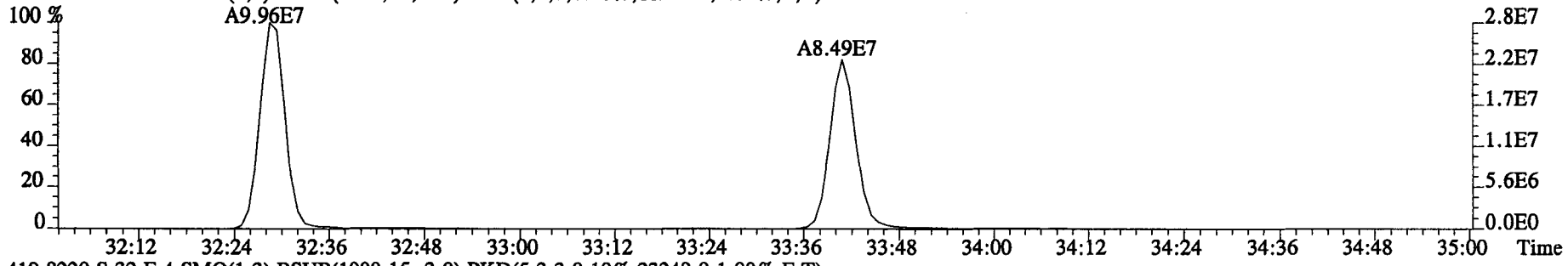
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES
407.7818 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8748.0,1.00%,F,T)



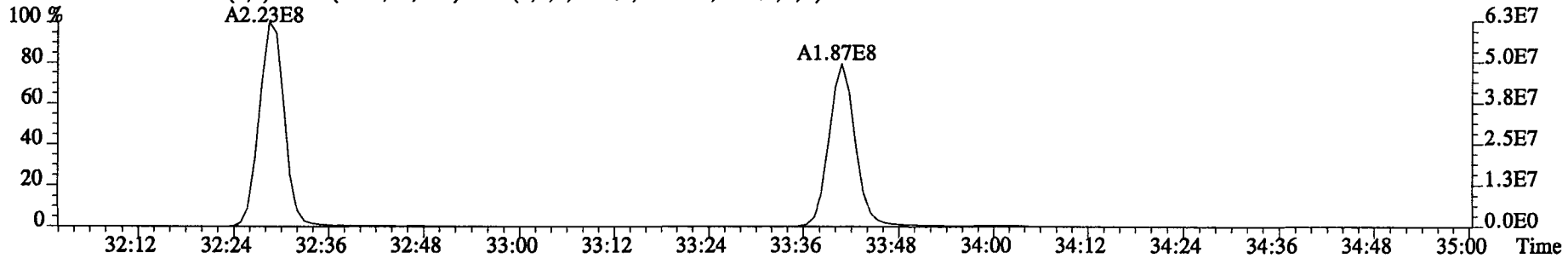
409.7789 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9076.0,1.00%,F,T)



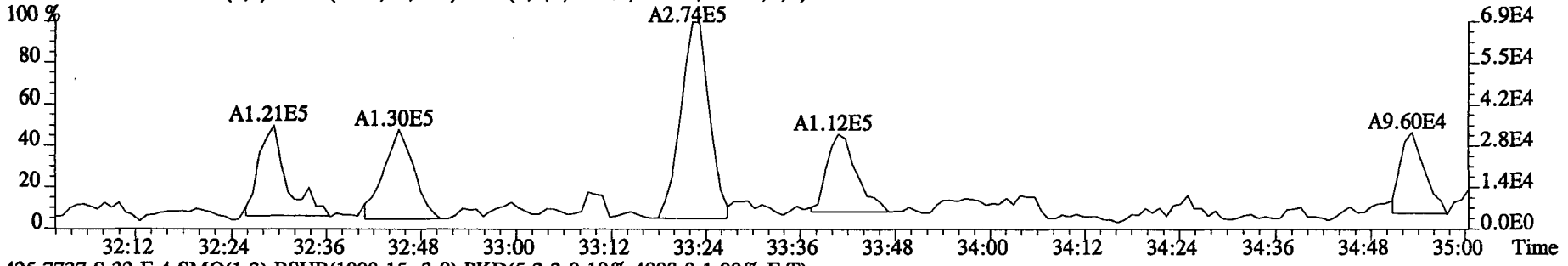
417.8253 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18944.0,1.00%,F,T)



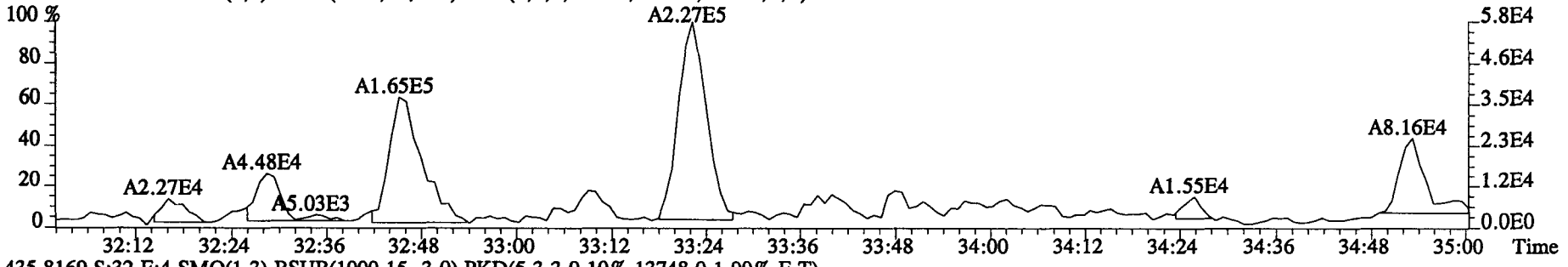
419.8220 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23248.0,1.00%,F,T)



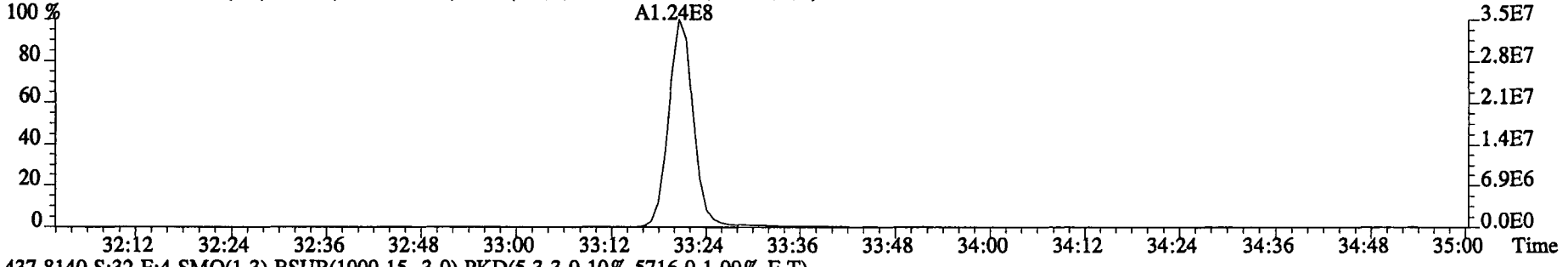
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES
423.7766 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7924.0,1.00%,F,T)



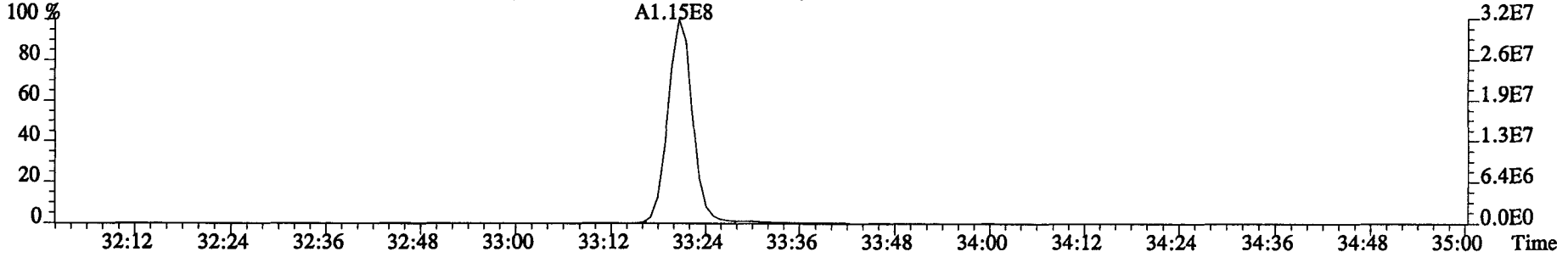
425.7737 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4008.0,1.00%,F,T)



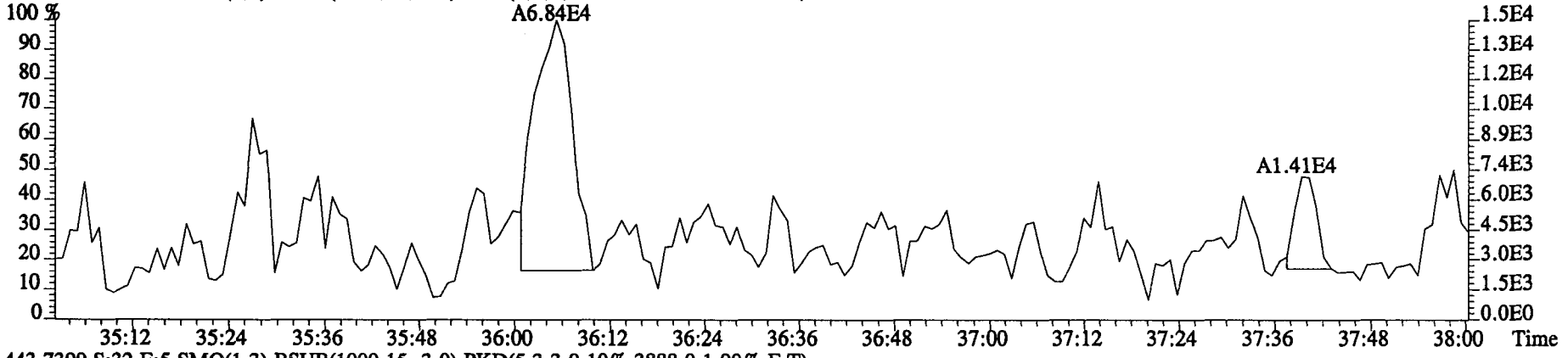
435.8169 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13748.0,1.00%,F,T)



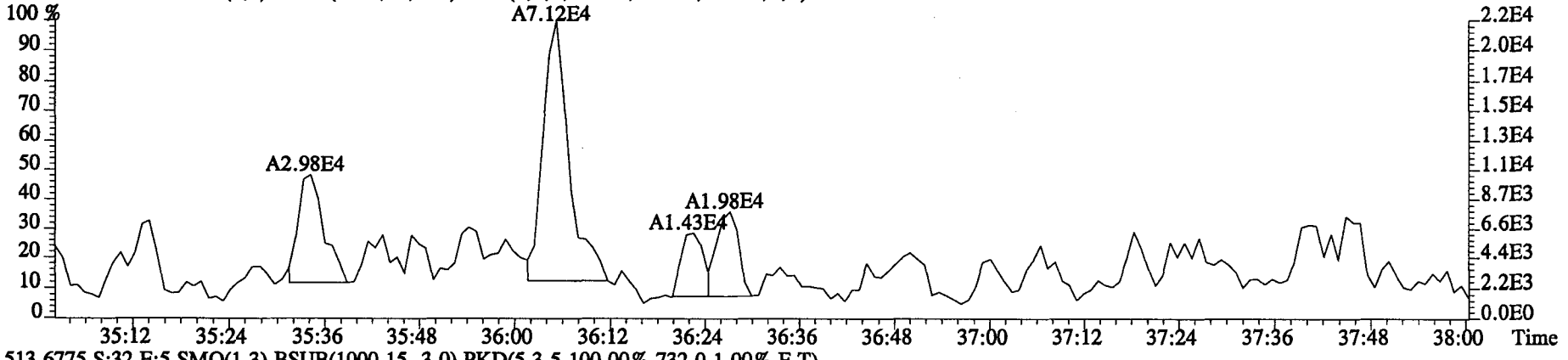
437.8140 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)



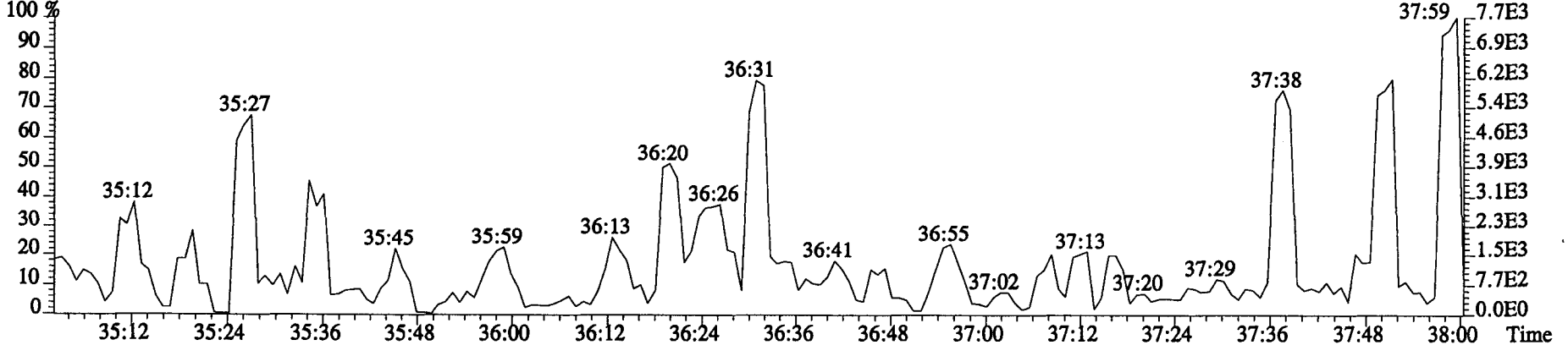
File:22SE10B1D5 #1-196 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES
441.7428 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4632.0,1.00%,F,T)



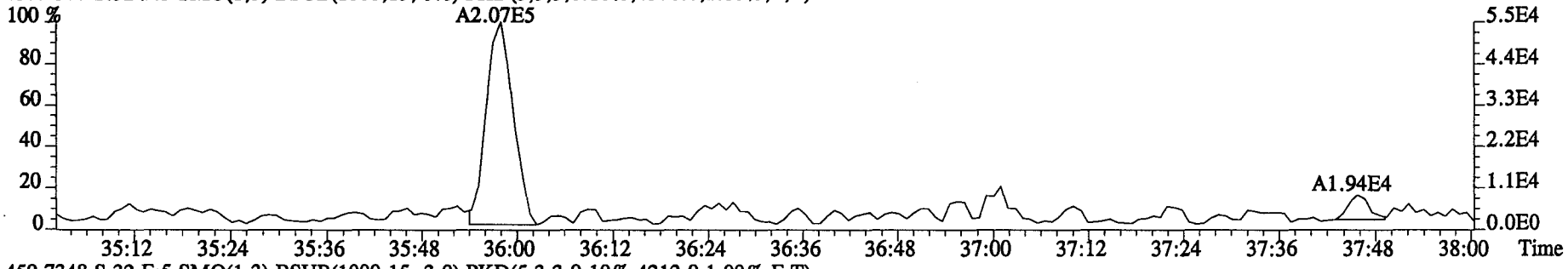
443.7399 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3888.0,1.00%,F,T)

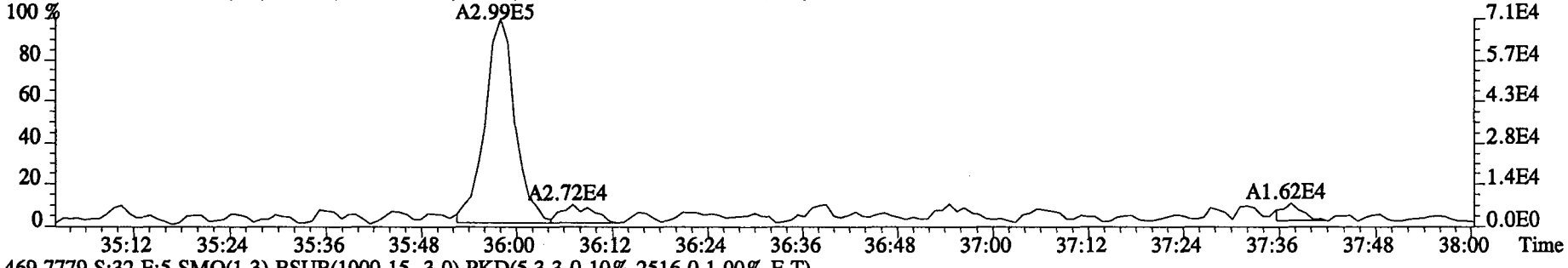


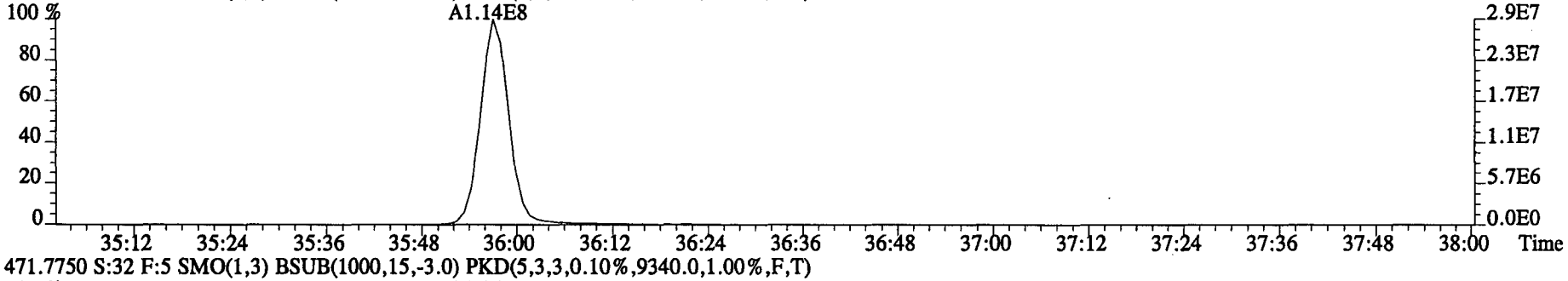
513.6775 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,732.0,1.00%,F,T)

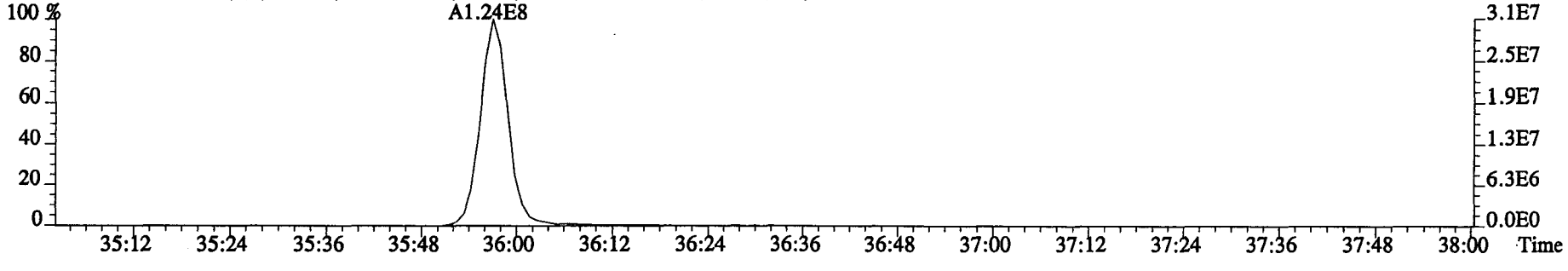


File:22SE10B1D5 #1-196 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES



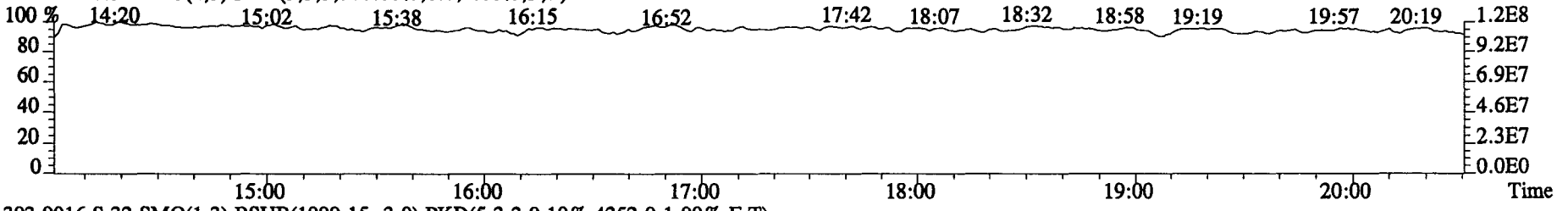




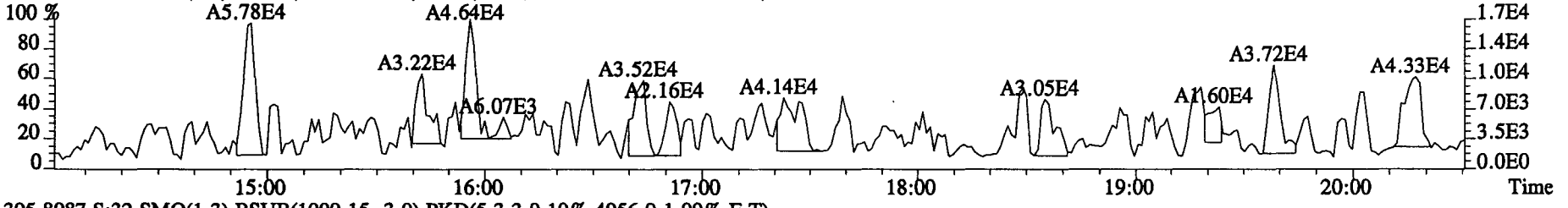


File:22SE10B1D5 #1-382 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES

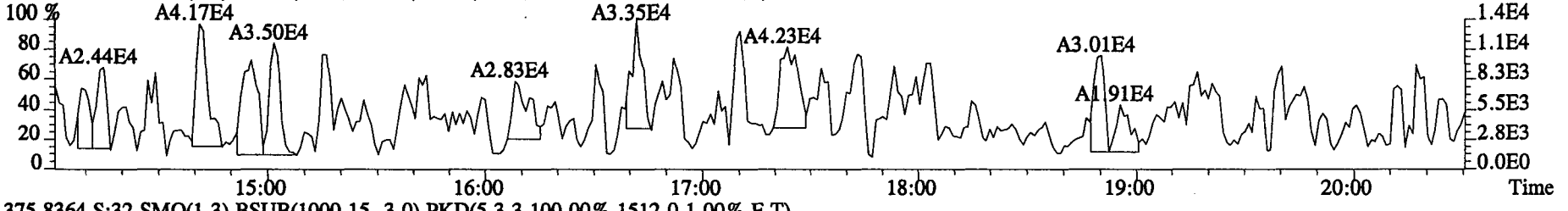
292.9825 S:32 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



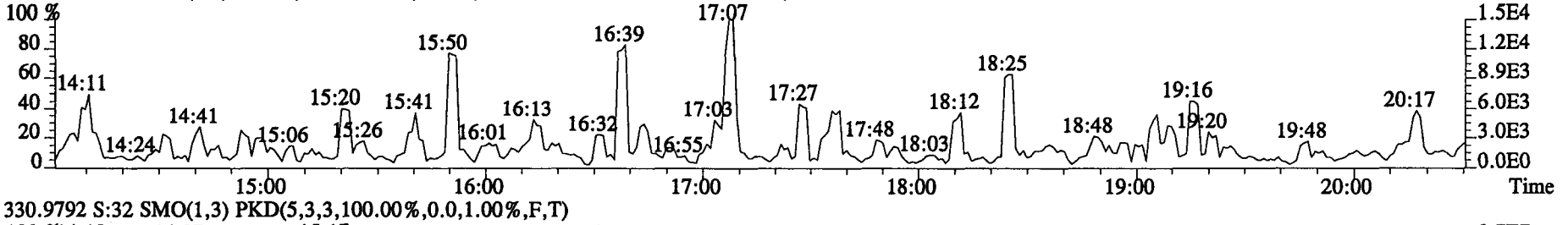
303.9016 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4252.0,1.00%,F,T)



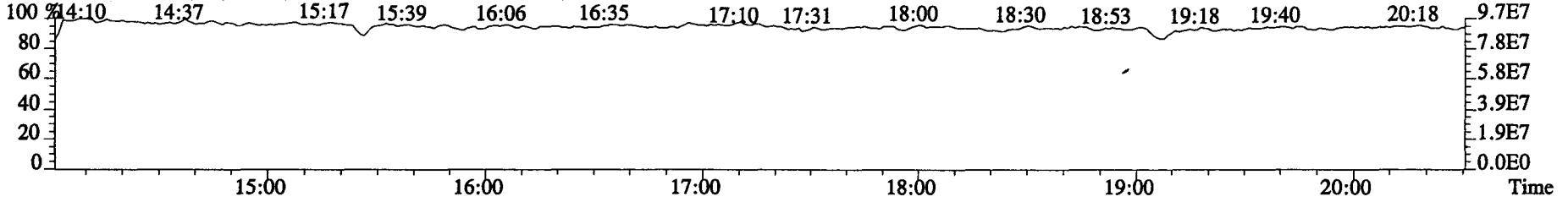
305.8987 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4956.0,1.00%,F,T)



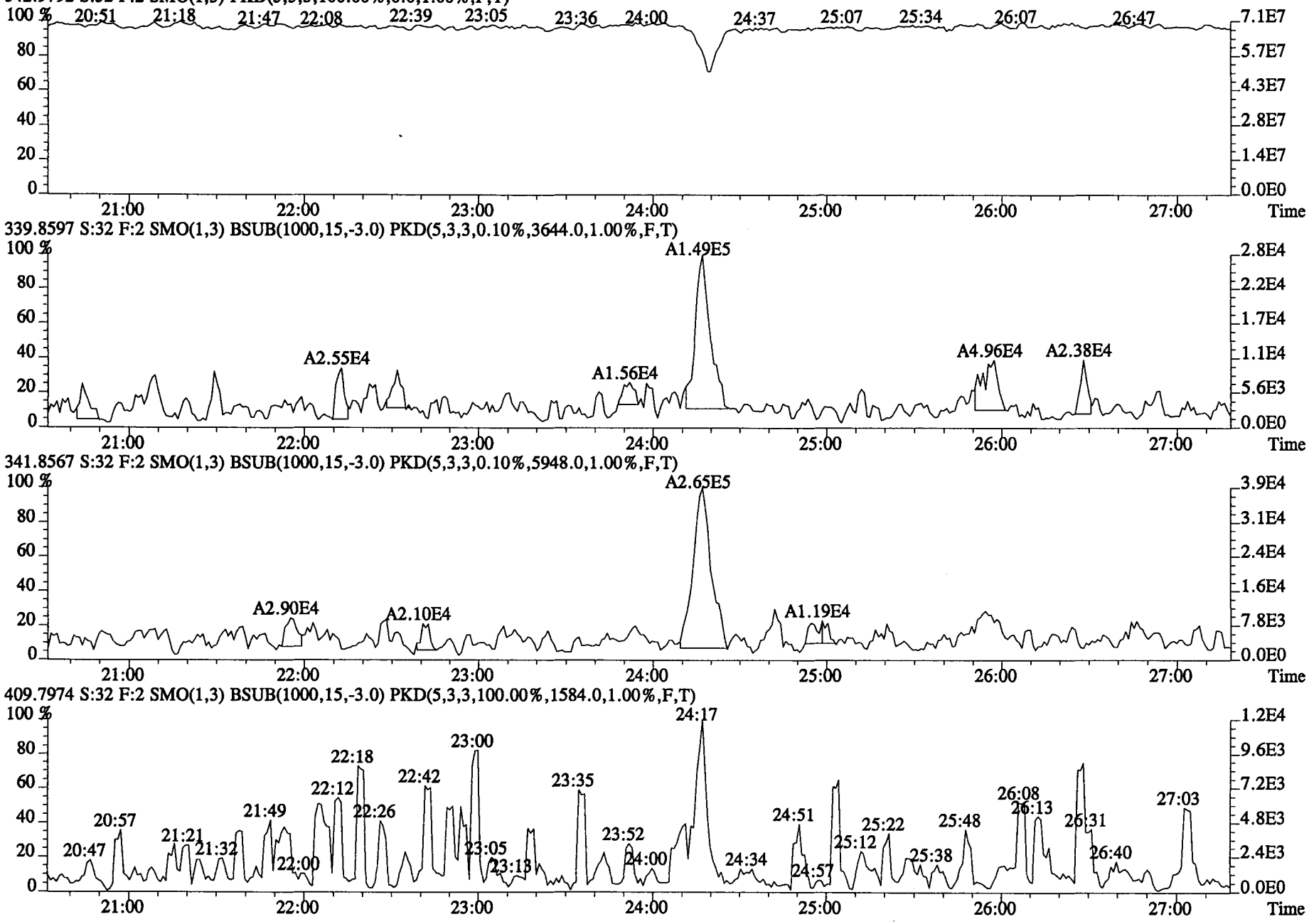
375.8364 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1512.0,1.00%,F,T)



330.9792 S:32 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

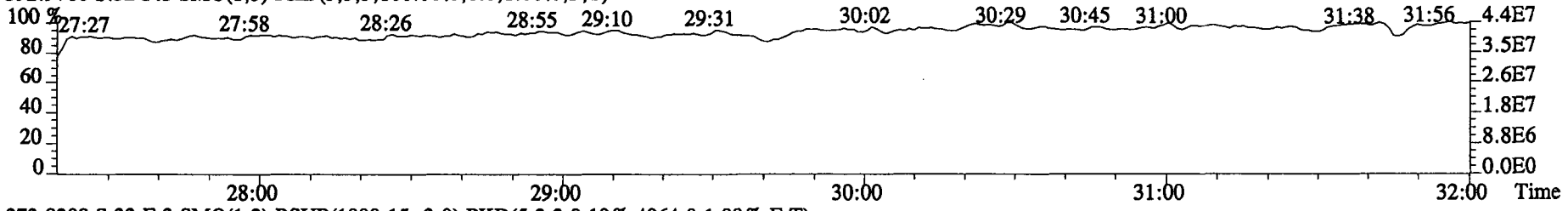


File:22SE10B1D5 #1-422 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES

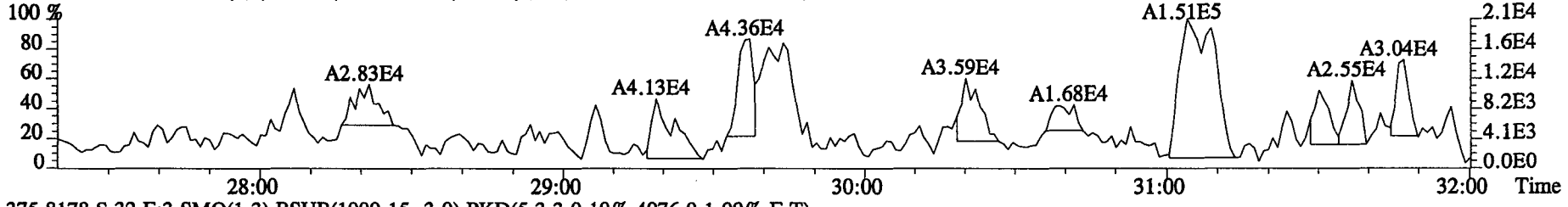


File:22SE10B1D5 #1-301 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES

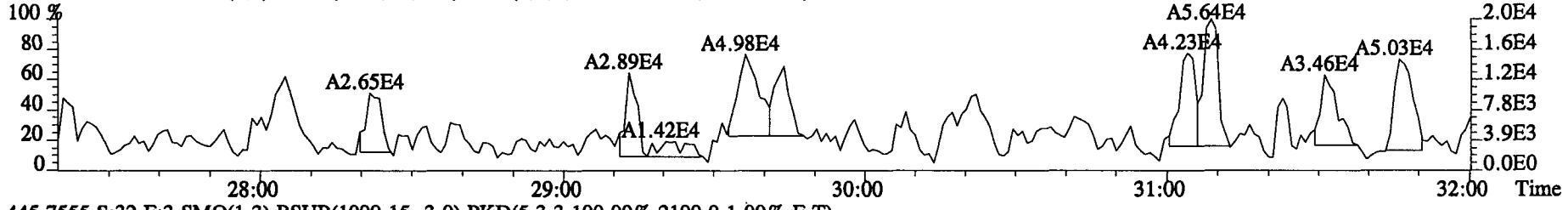
392.9760 S:32 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



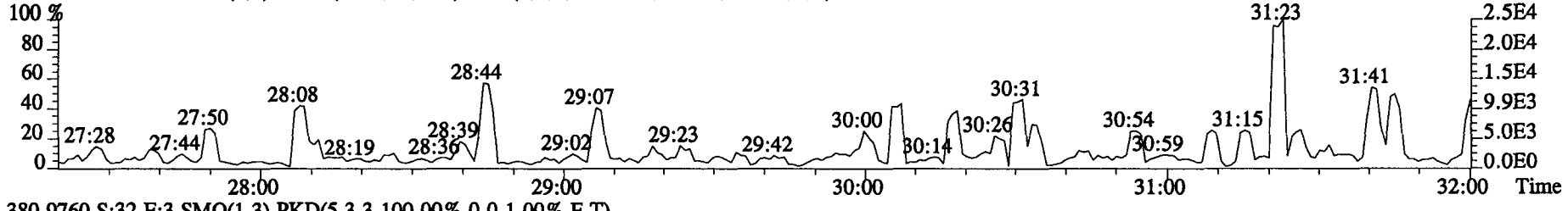
373.8208 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4964.0,1.00%,F,T)



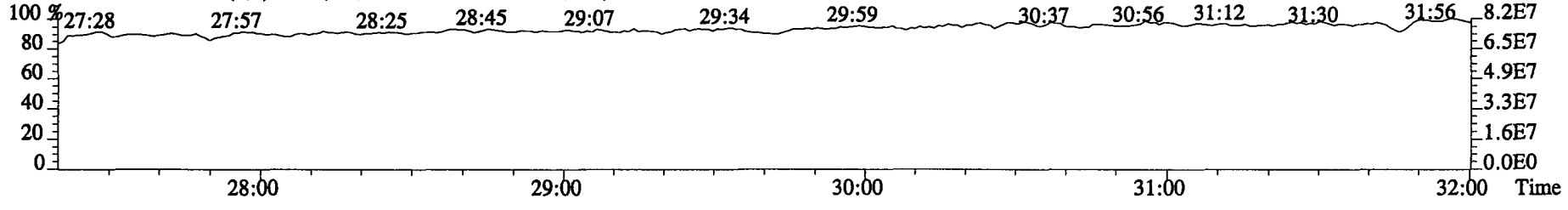
375.8178 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4976.0,1.00%,F,T)



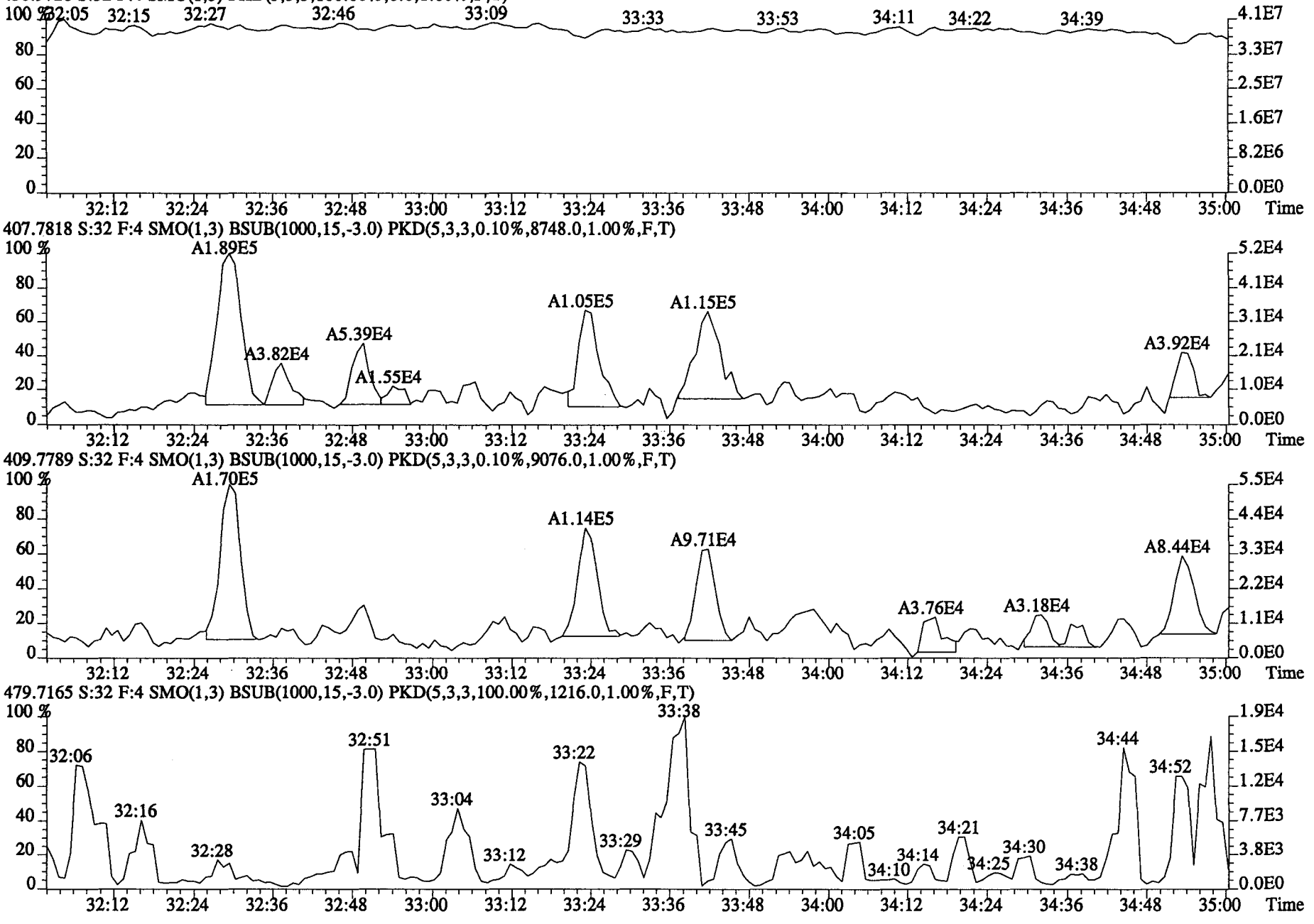
445.7555 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2100.0,1.00%,F,T)



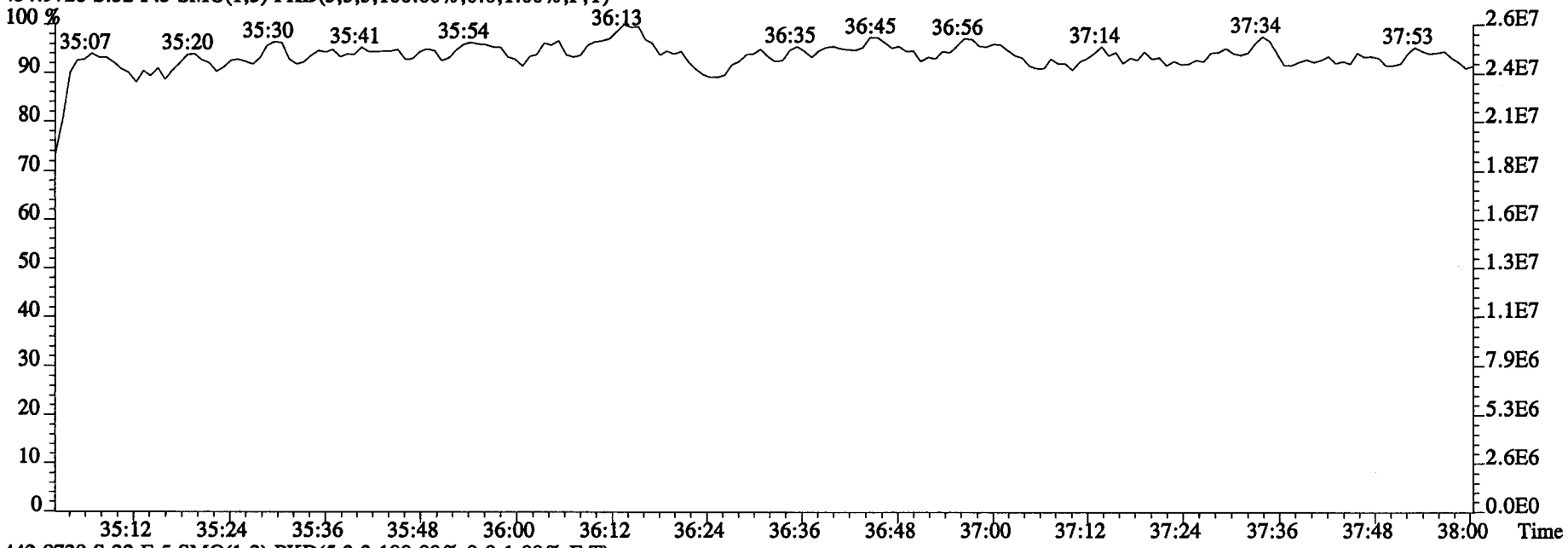
380.9760 S:32 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



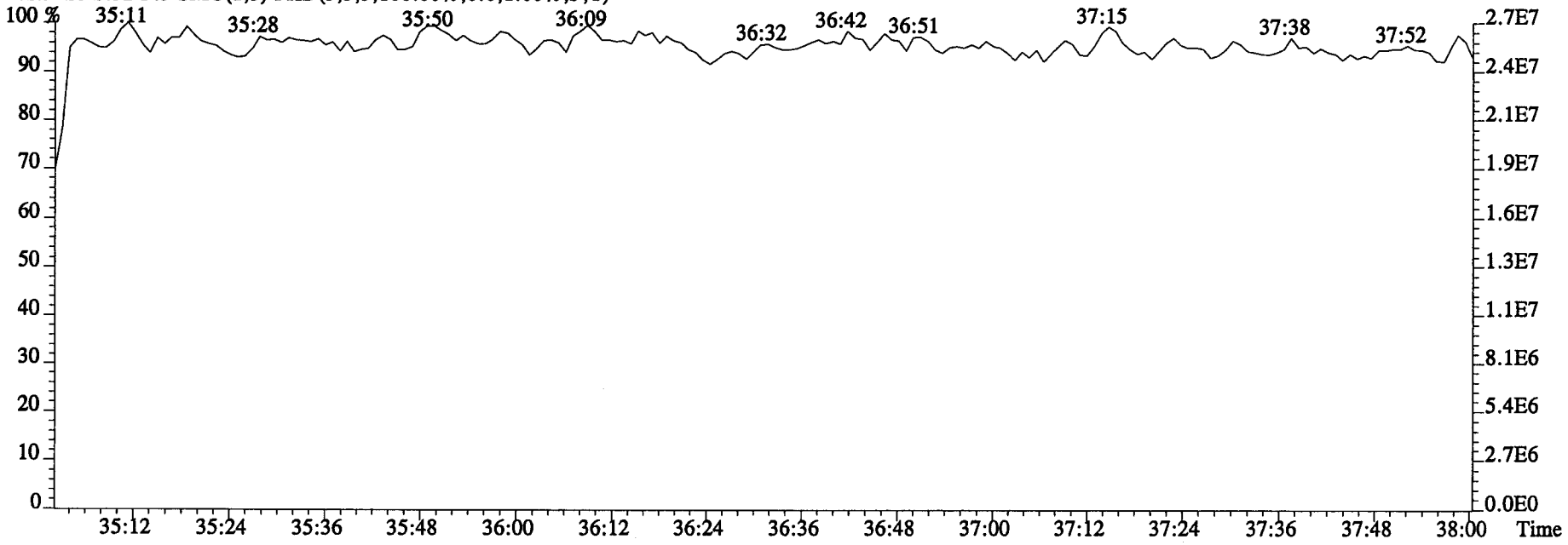
File:22SE10B1D5 #1-203 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:23-SEP-2010 21:50:44 GC EI+ Voltage SIR 70SE
Sample#32 Text:L620V-1-AA :G0I160000-189B Exp:DIOXINRES
454.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

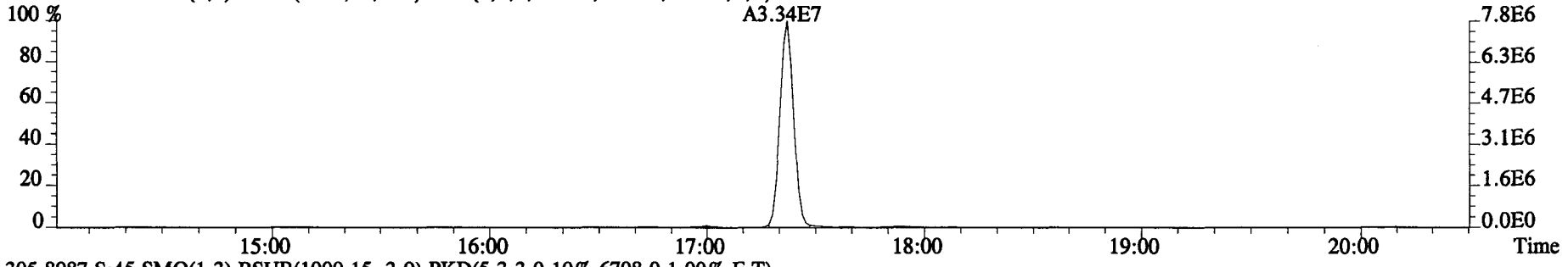


442.9728 S:32 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

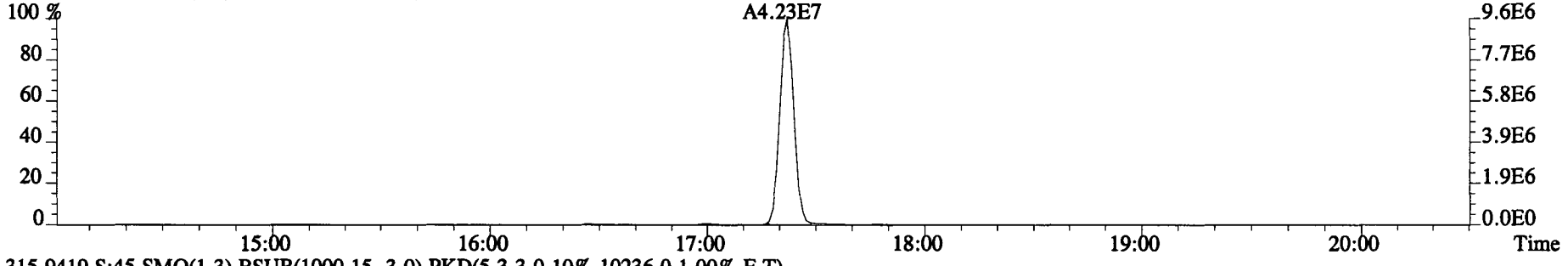


File:22SE10B1D5 #1-382 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

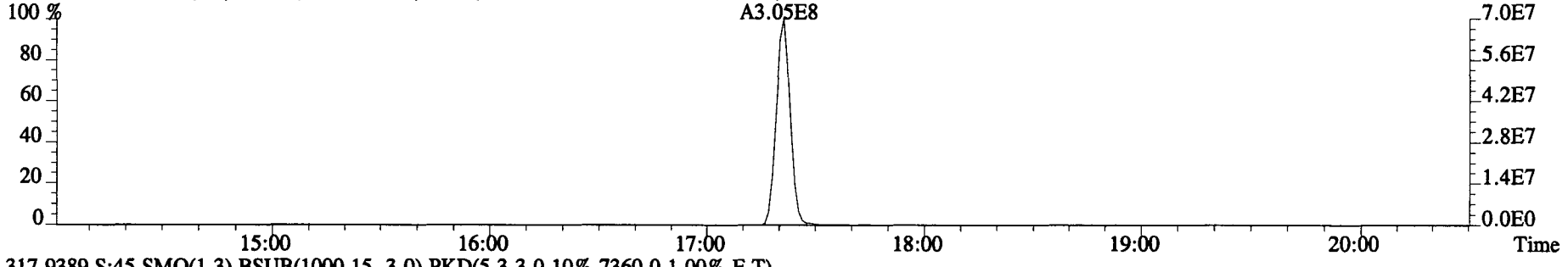
303.9016 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5604.0,1.00%,F,T)



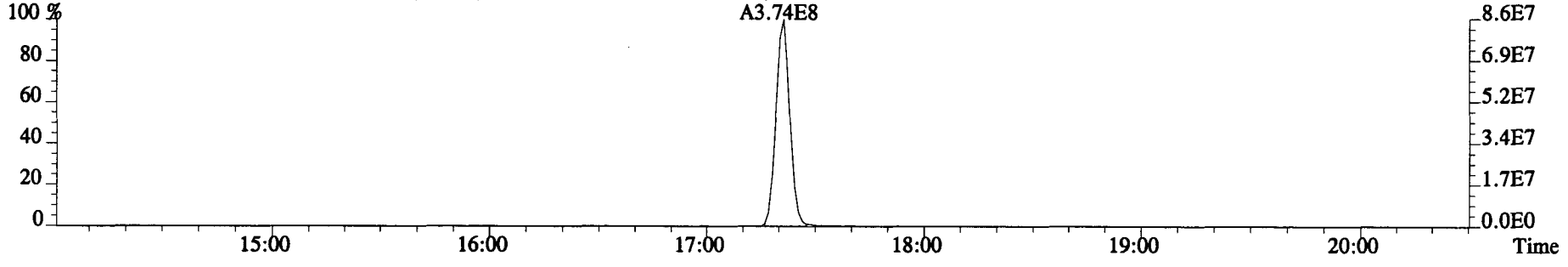
305.8987 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6708.0,1.00%,F,T)



315.9419 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10236.0,1.00%,F,T)

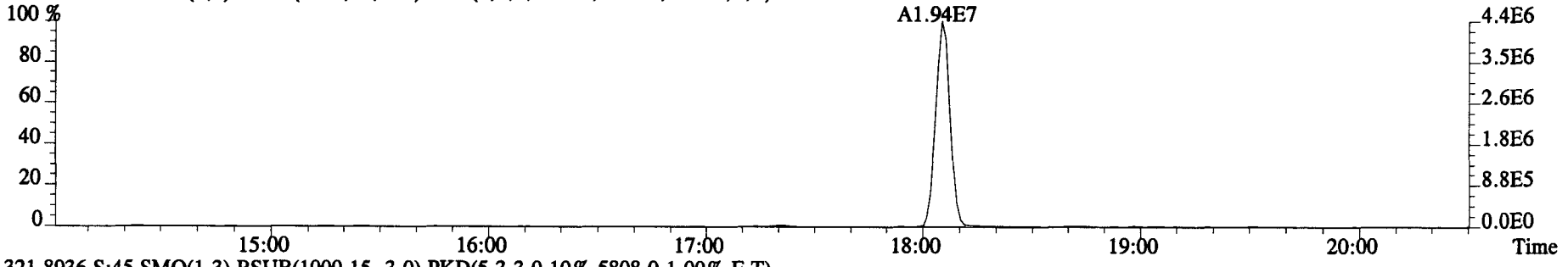


317.9389 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7360.0,1.00%,F,T)

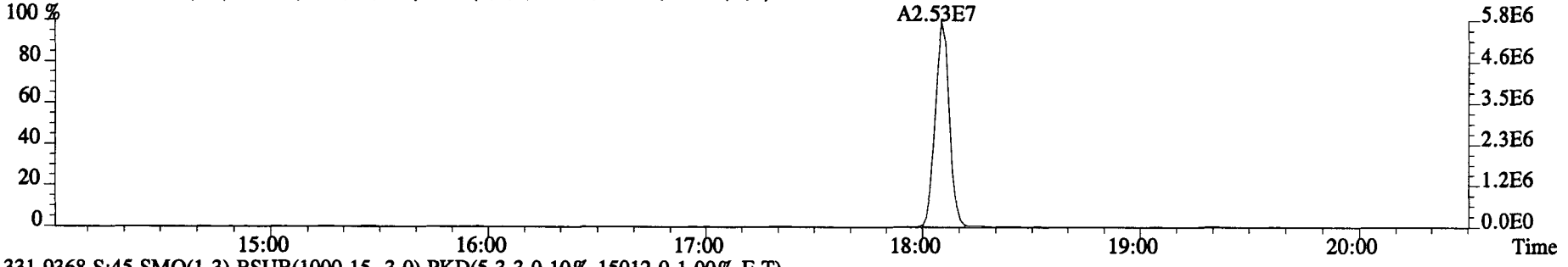


File:22SE10B1D5 #1-382 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

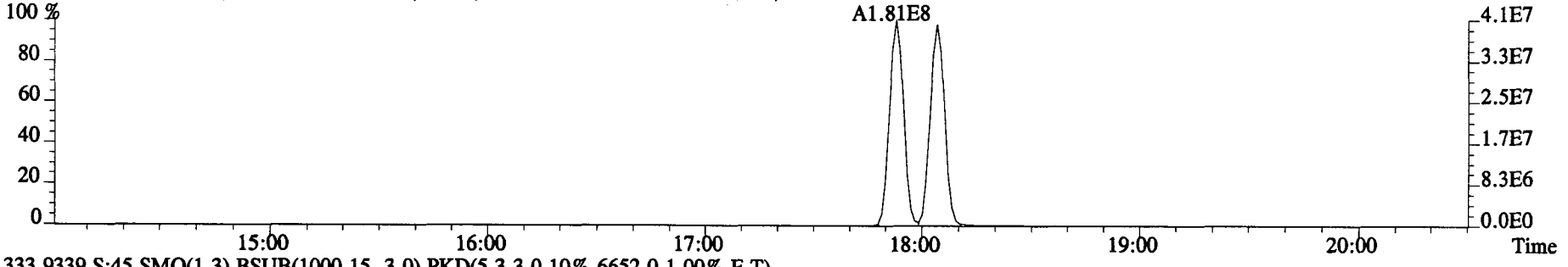
319.8965 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3884.0,1.00%,F,T)



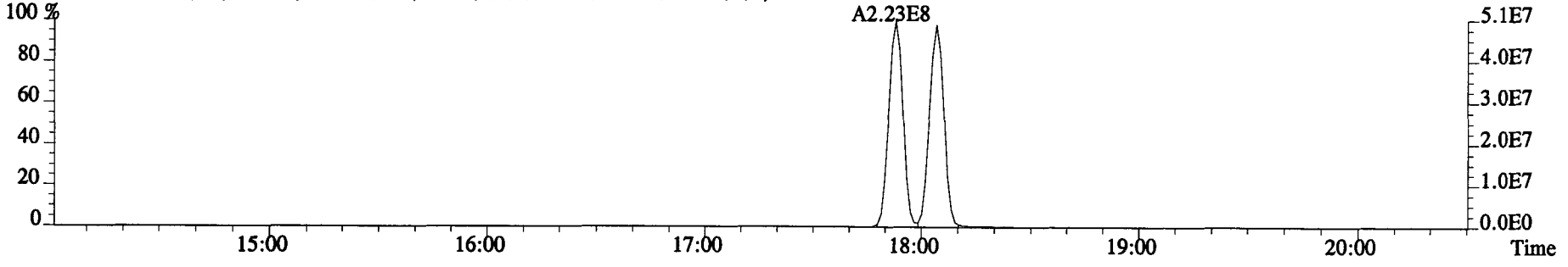
321.8936 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5808.0,1.00%,F,T)



331.9368 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15012.0,1.00%,F,T)

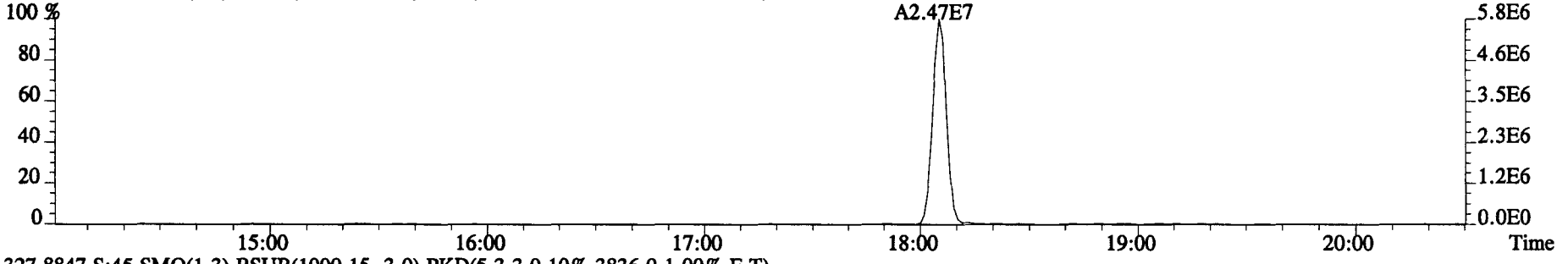


333.9339 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6652.0,1.00%,F,T)

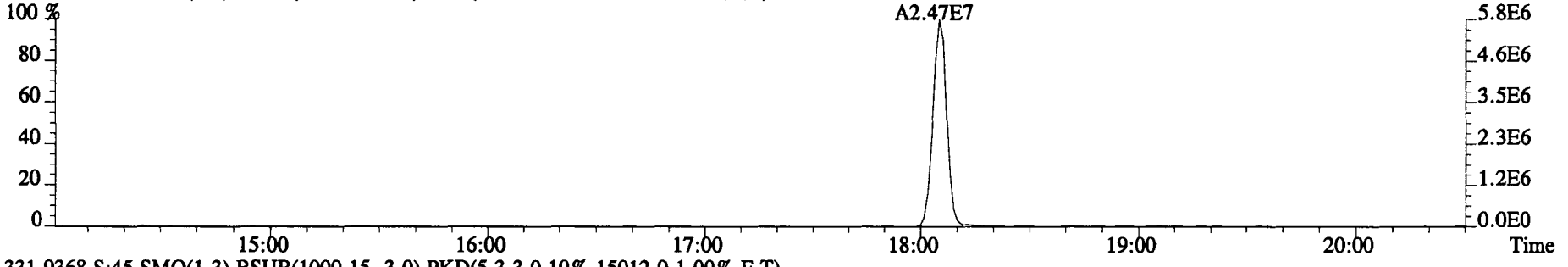


File:22SE10B1D5 #1-382 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

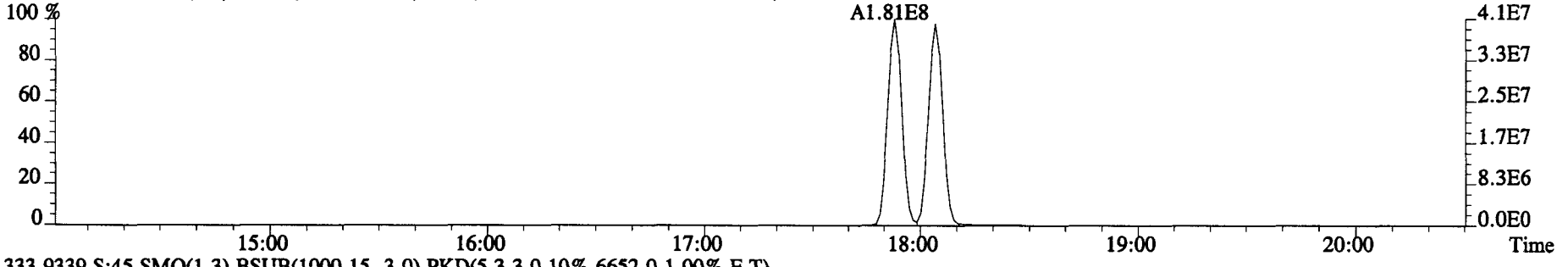
327.8847 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3836.0,1.00%,F,T)



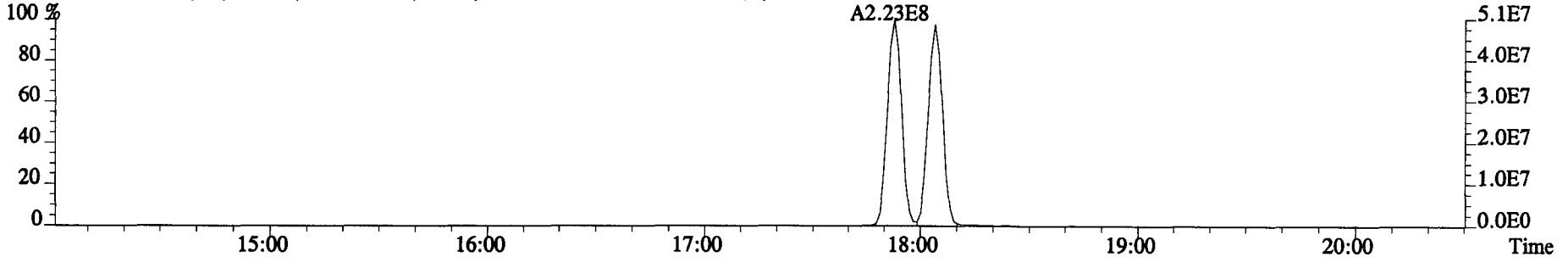
327.8847 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3836.0,1.00%,F,T)



331.9368 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15012.0,1.00%,F,T)

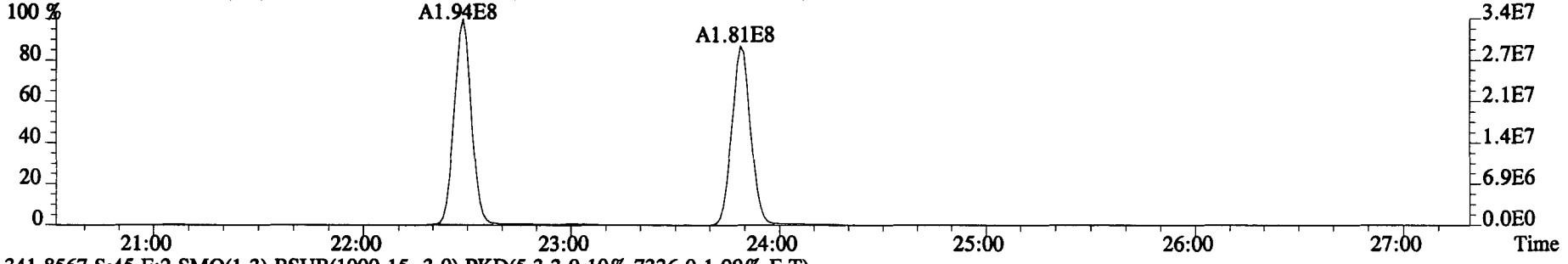


333.9339 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6652.0,1.00%,F,T)

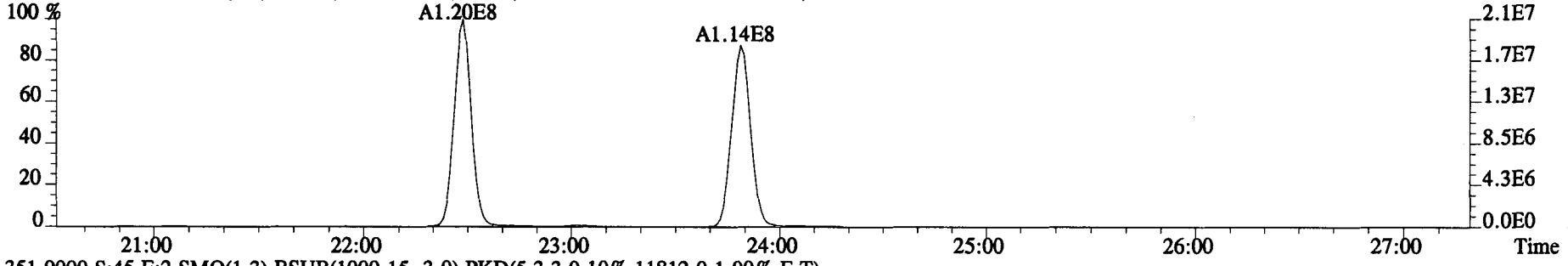


File:22SE10B1D5 #1-423 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

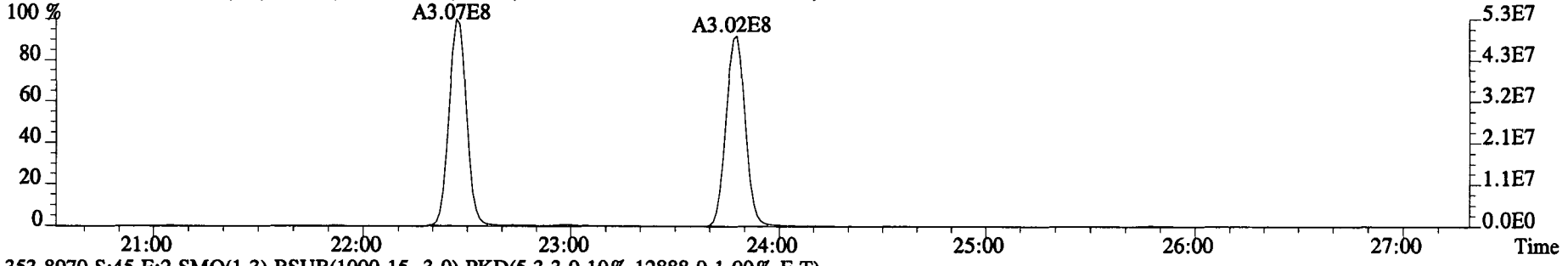
339.8597 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



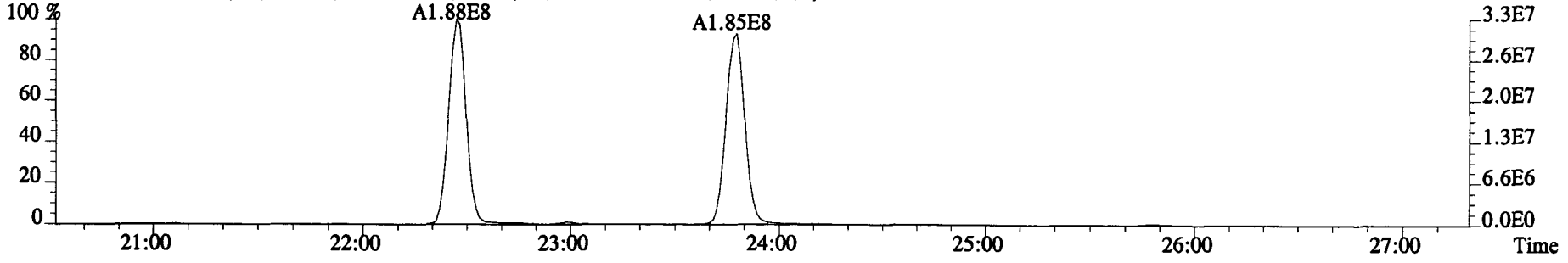
341.8567 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7336.0,1.00%,F,T)



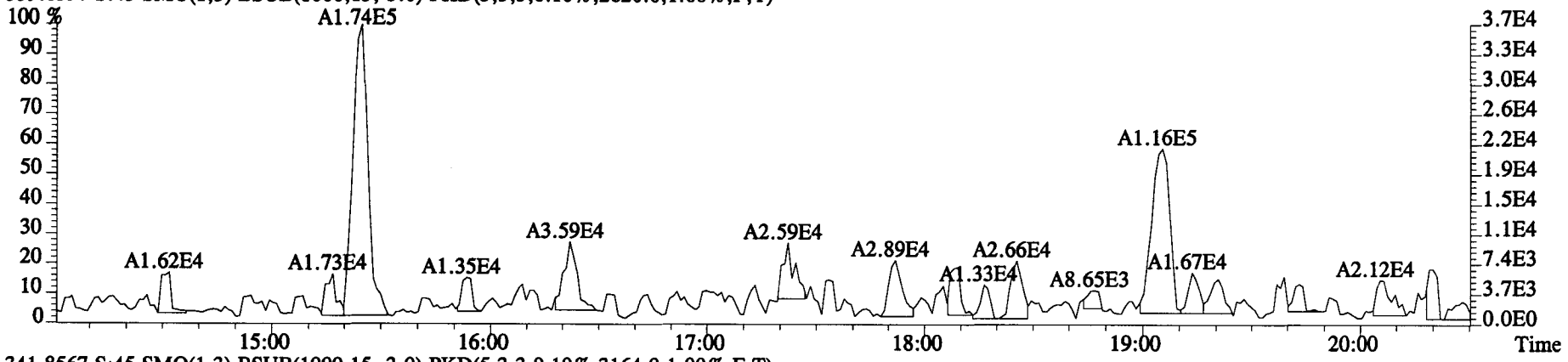
351.9000 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11812.0,1.00%,F,T)



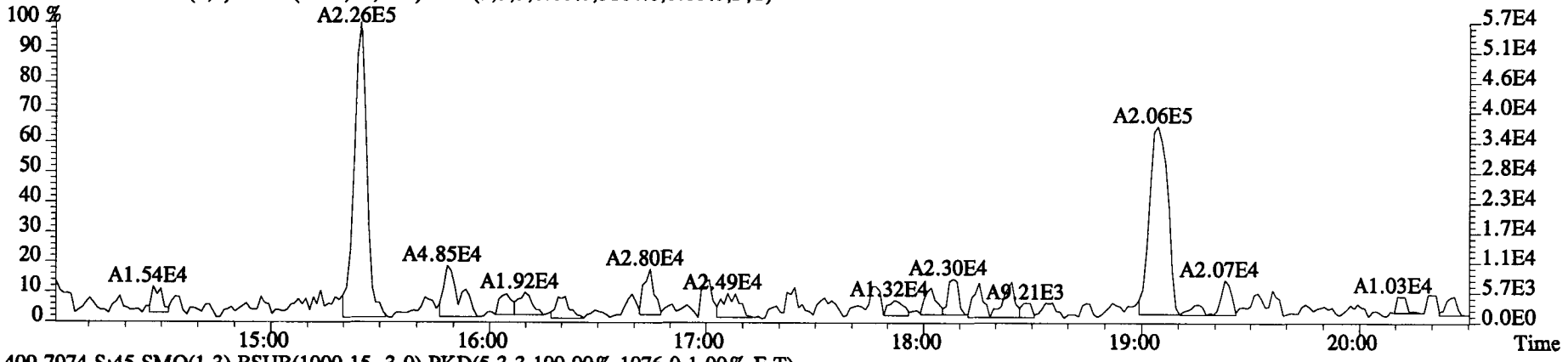
353.8970 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12888.0,1.00%,F,T)



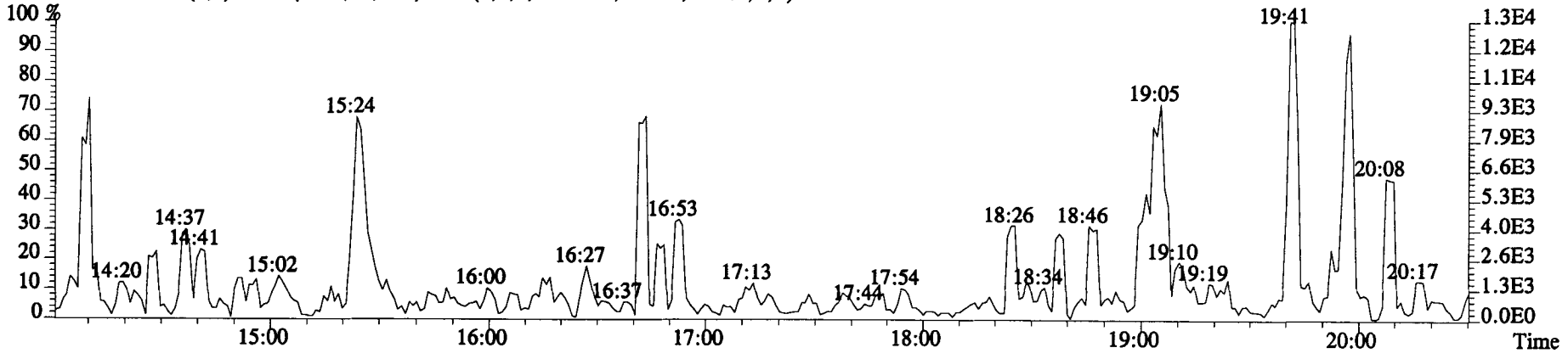
File:22SE10B1D5 #1-382 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES
339.8597 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2620.0,1.00%,F,T)



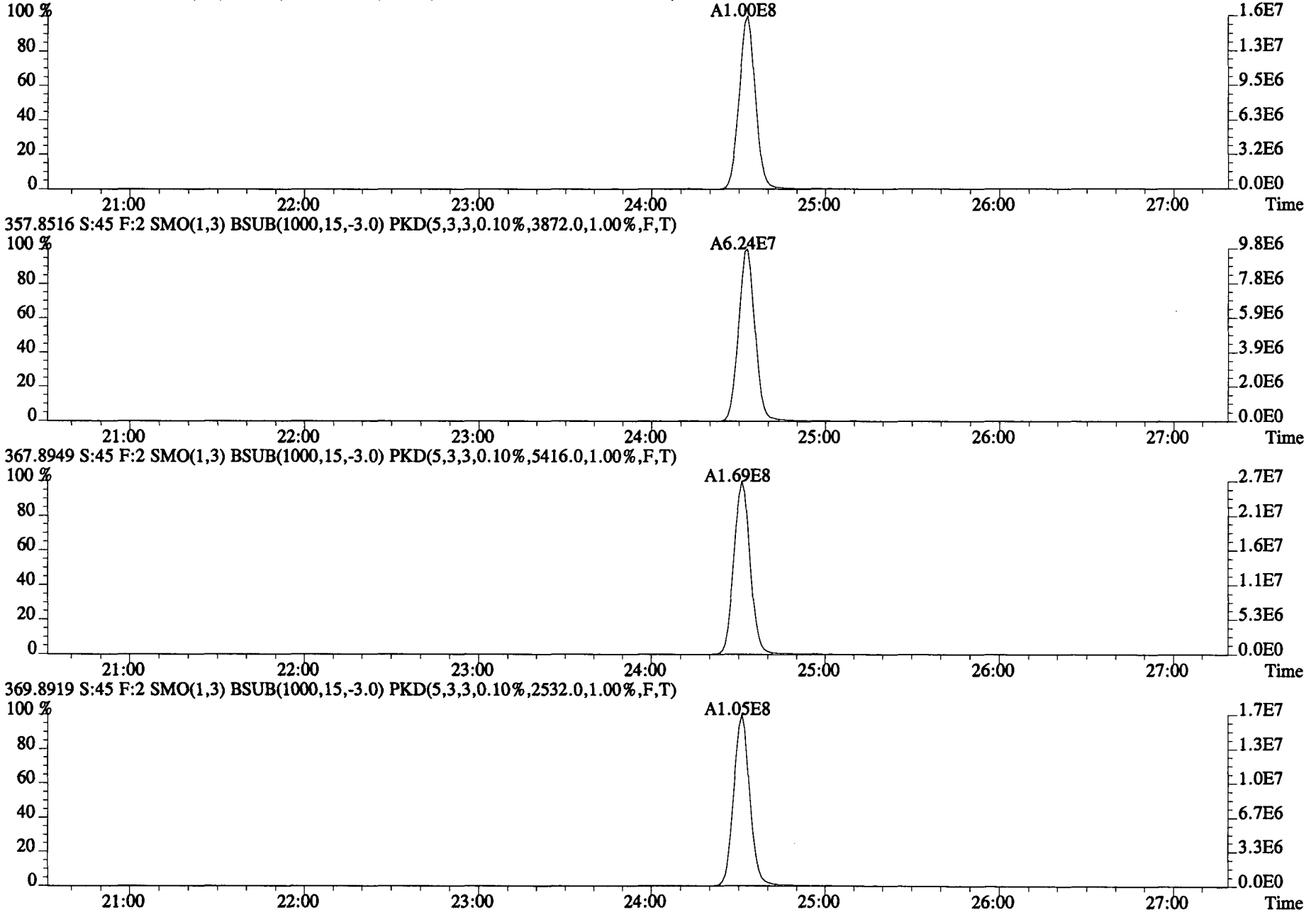
341.8567 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3164.0,1.00%,F,T)



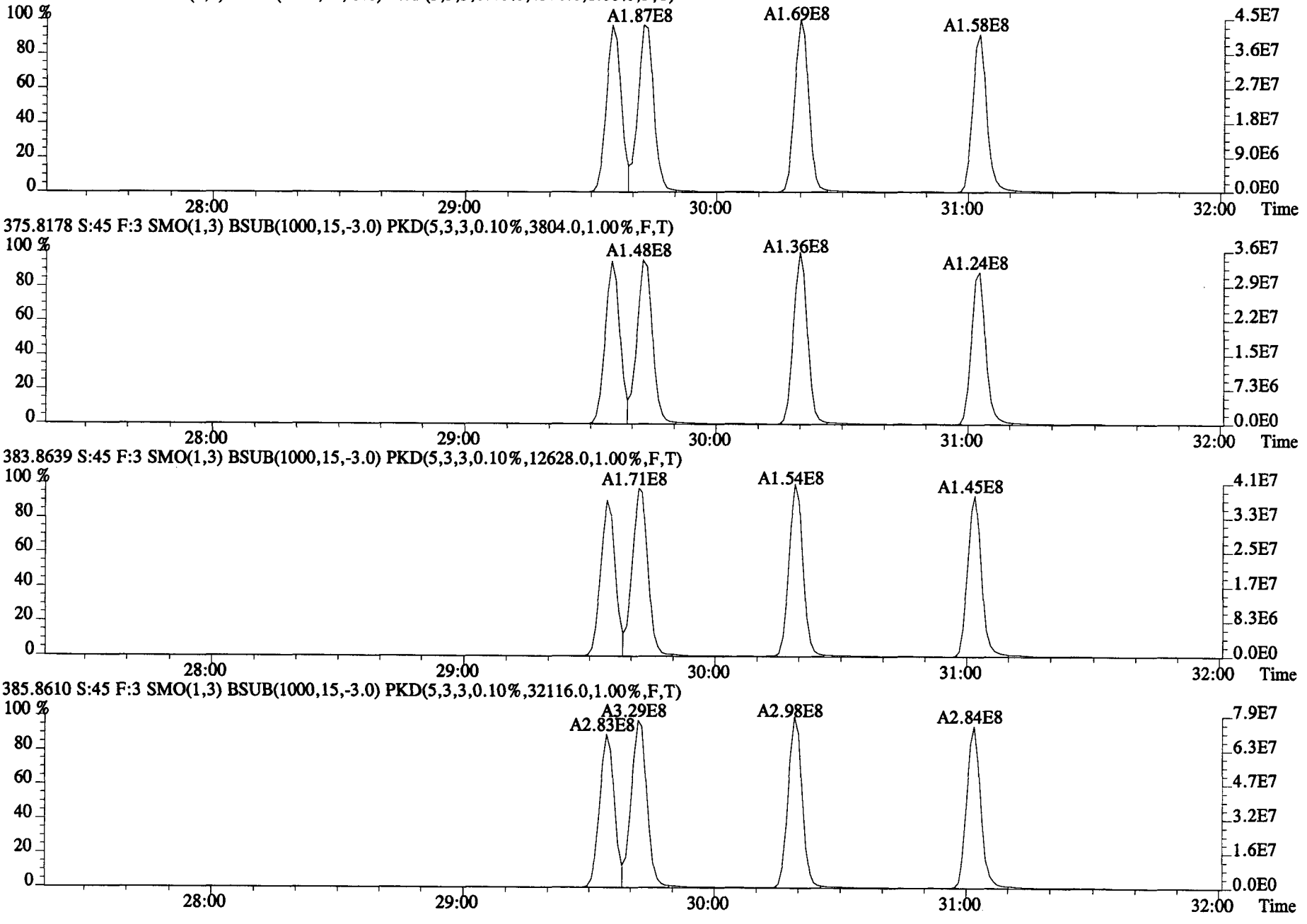
409.7974 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1076.0,1.00%,F,T)



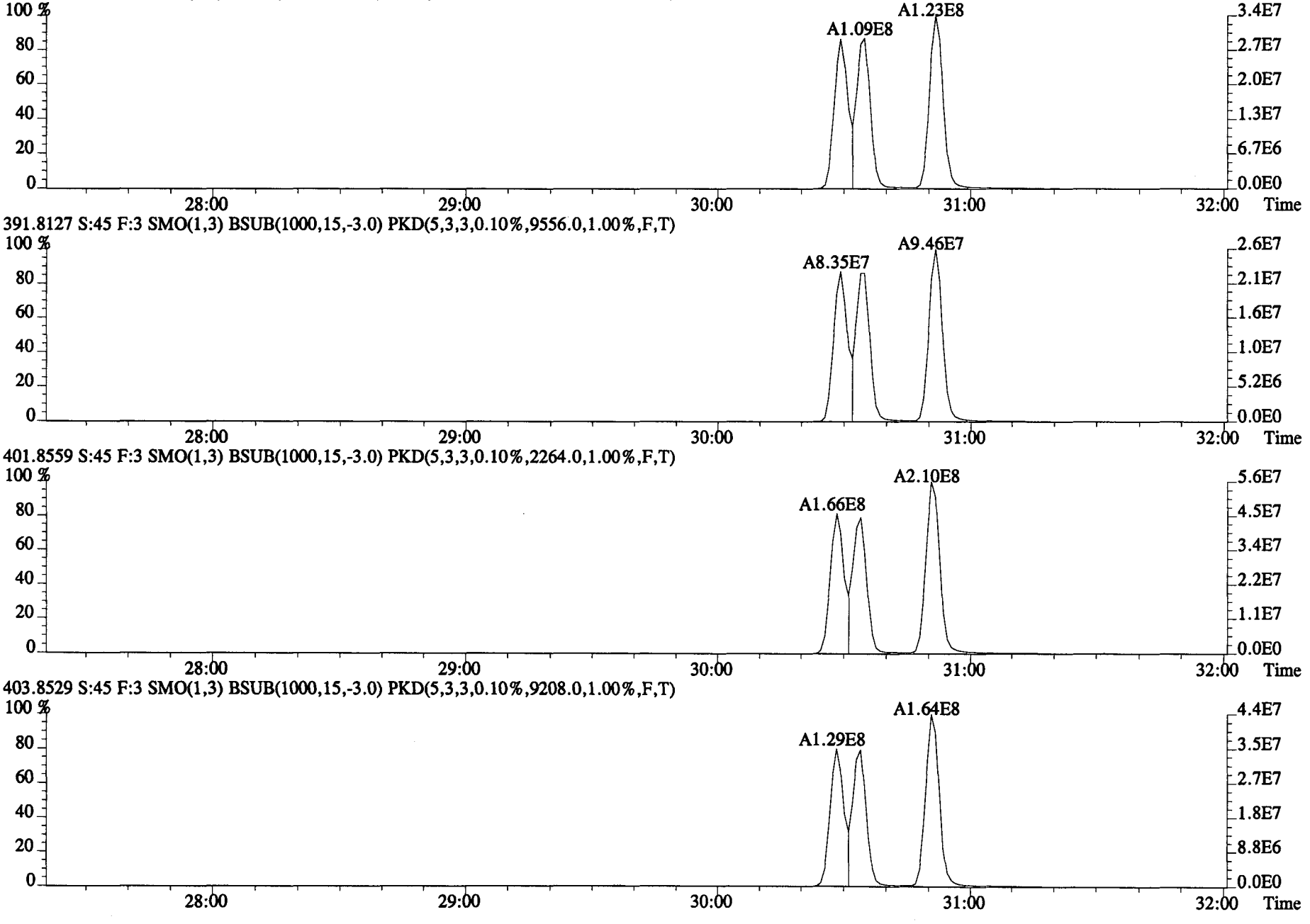
File:22SE10B1D5 #1-423 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES



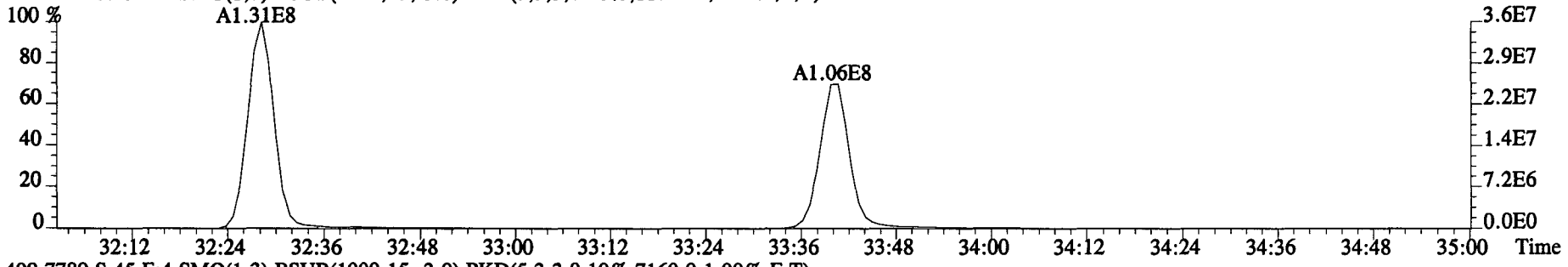
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

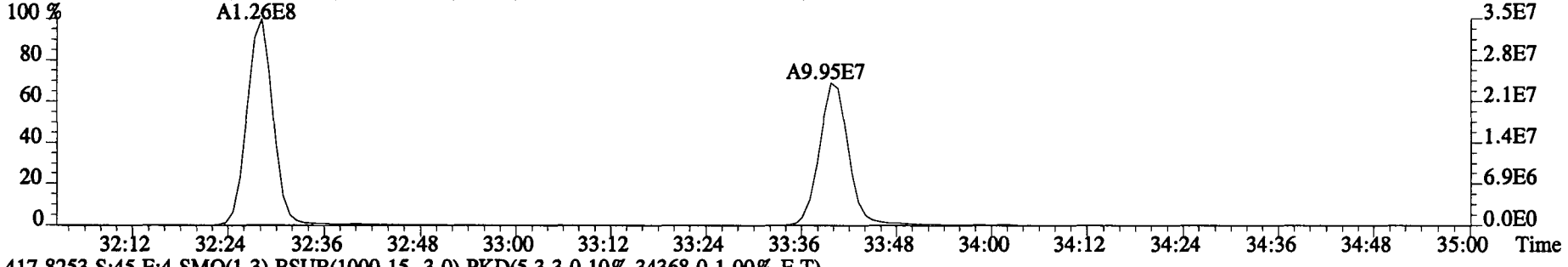


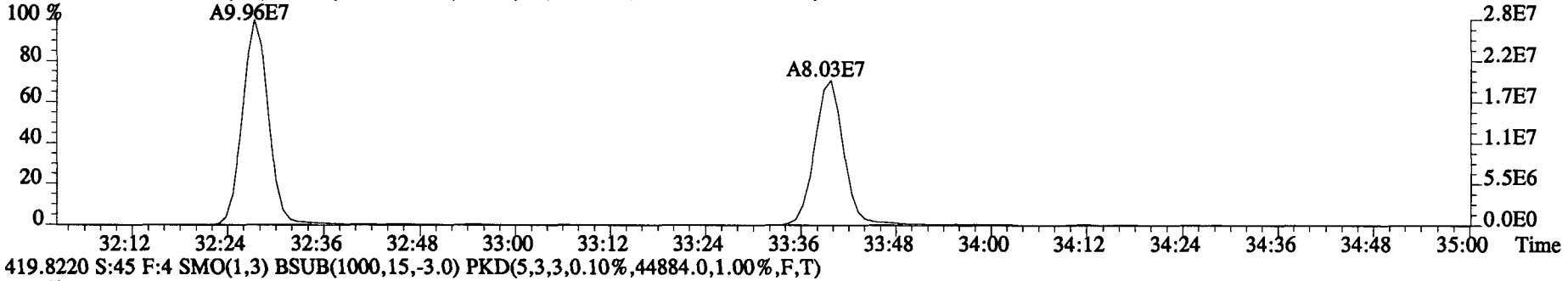
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

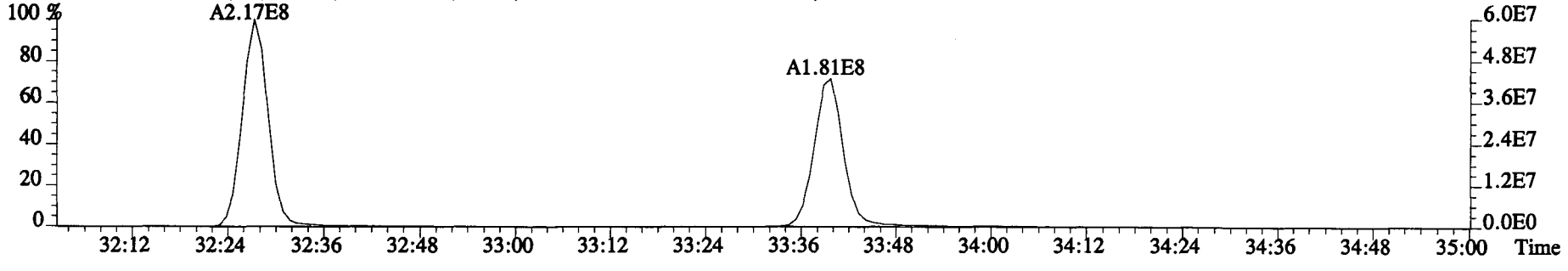


File:22SE10B1D5 #1-202 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES



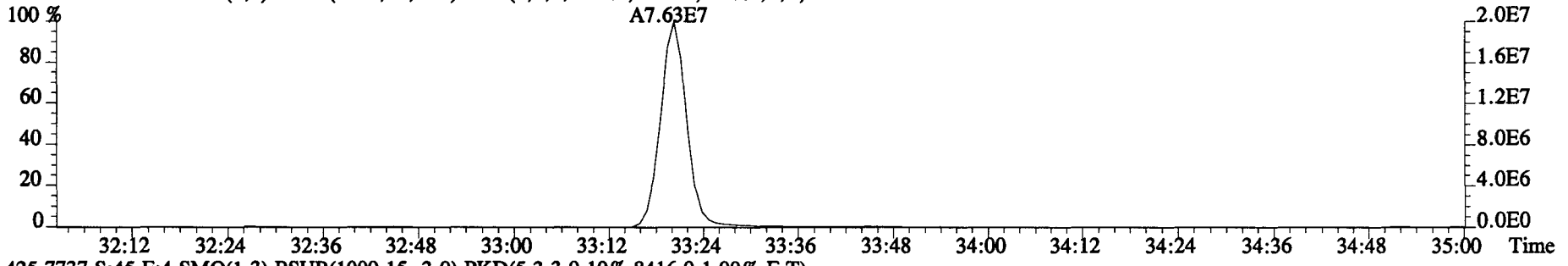




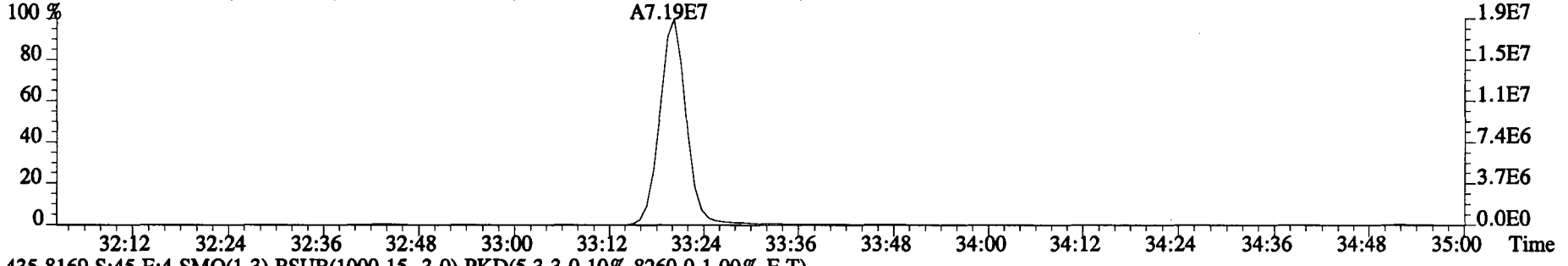


File:22SE10B1D5 #1-202 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

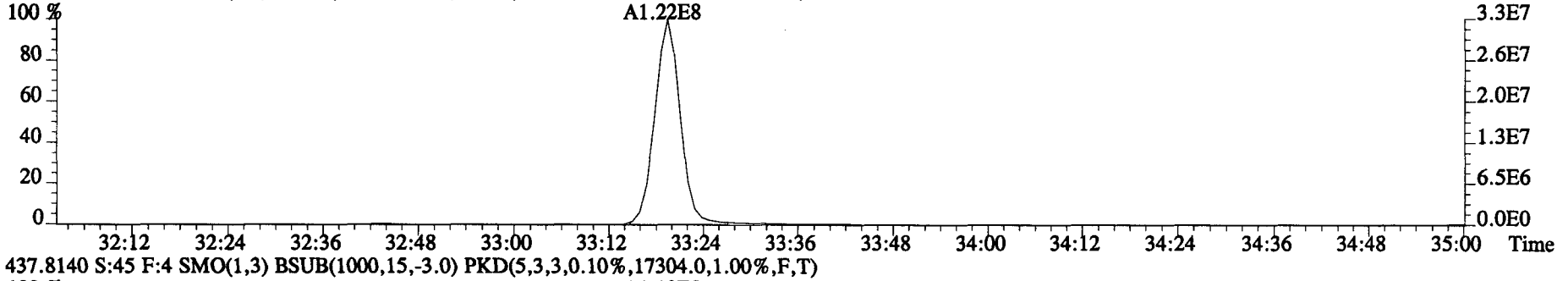
423.7766 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9404.0,1.00%,F,T)



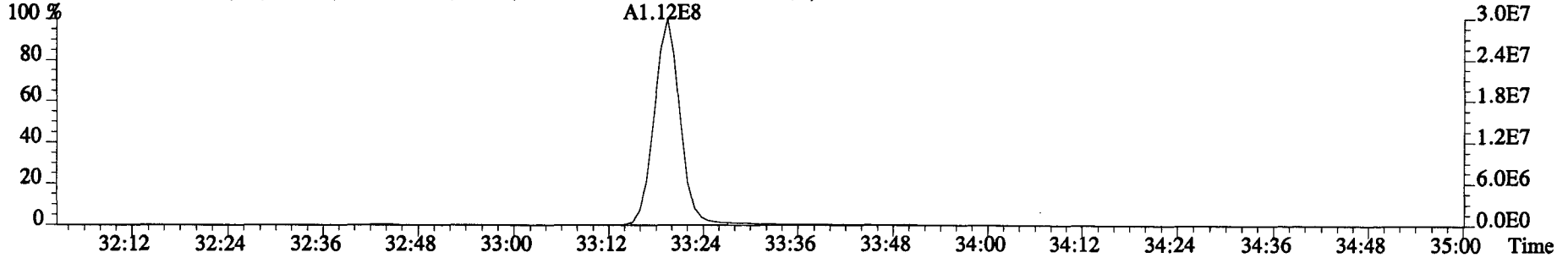
425.7737 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8416.0,1.00%,F,T)



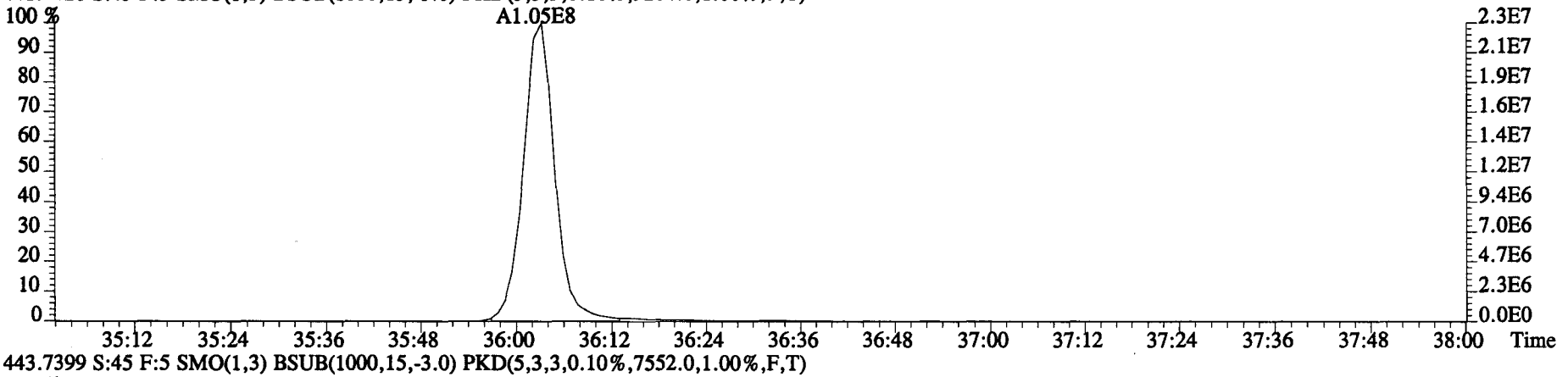
435.8169 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8260.0,1.00%,F,T)



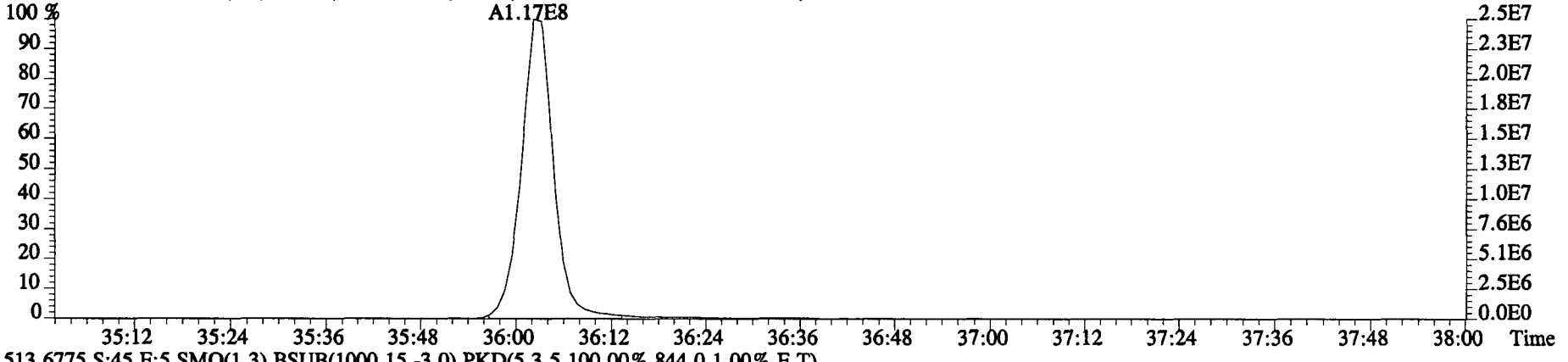
437.8140 S:45 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17304.0,1.00%,F,T)



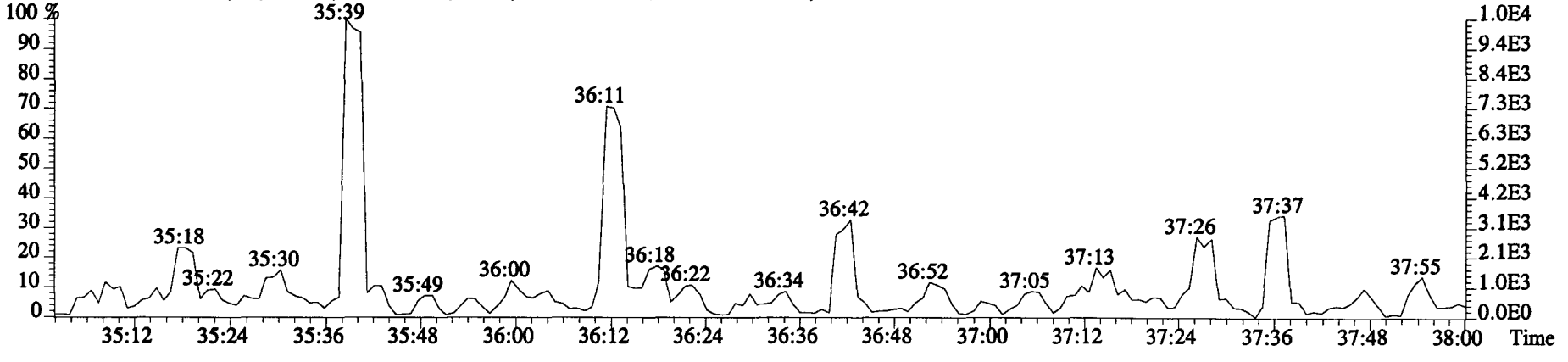
File:22SE10B1D5 #1-196 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES
441.7428 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9204.0,1.00%,F,T)



443.7399 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7552.0,1.00%,F,T)

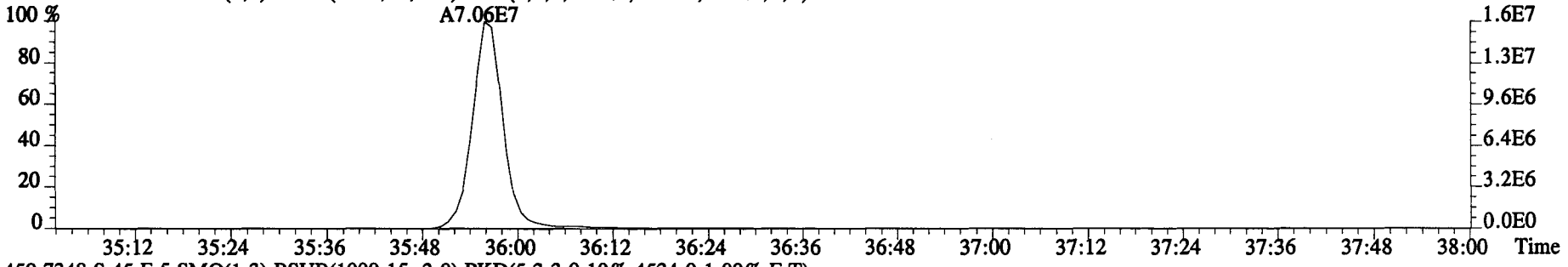


513.6775 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,844.0,1.00%,F,T)

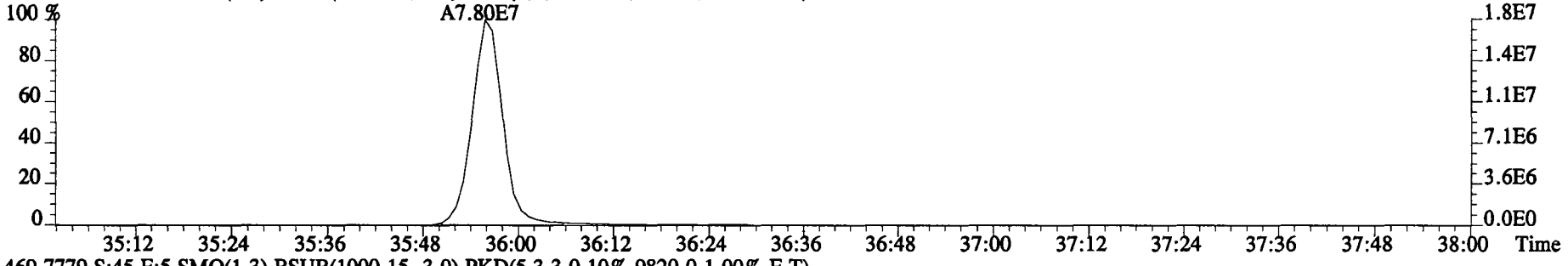


File:22SE10B1D5 #1-196 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES

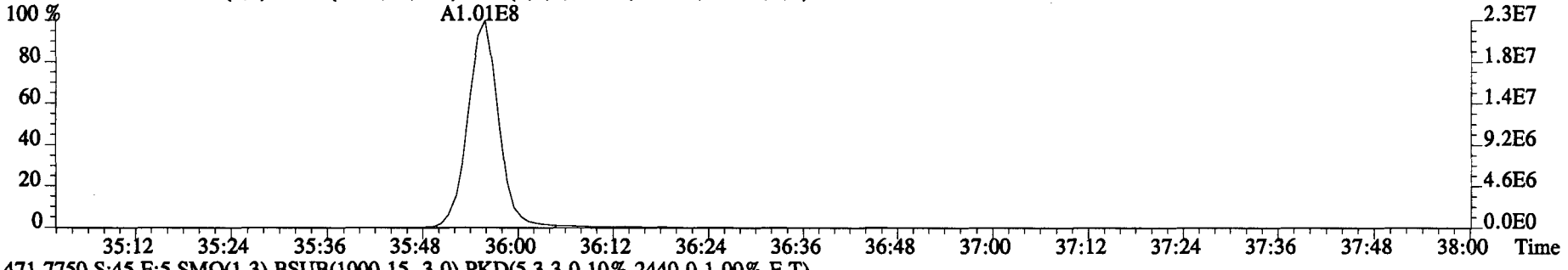
457.7377 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8340.0,1.00%,F,T)



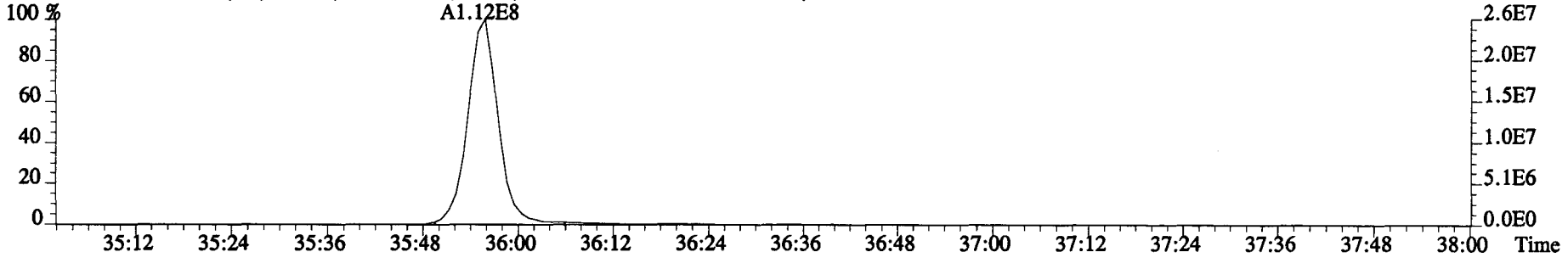
459.7348 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4524.0,1.00%,F,T)

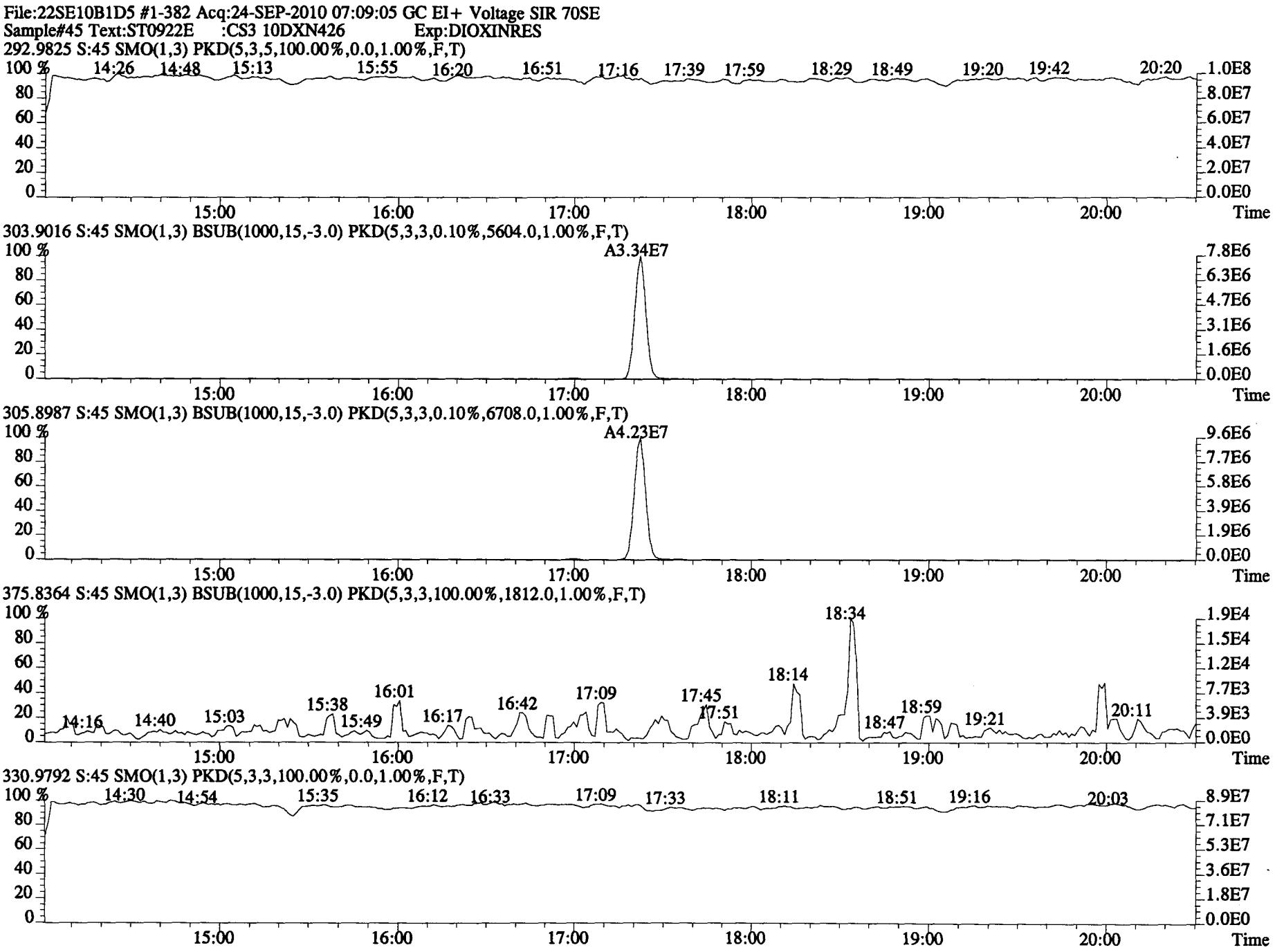


469.7779 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9820.0,1.00%,F,T)

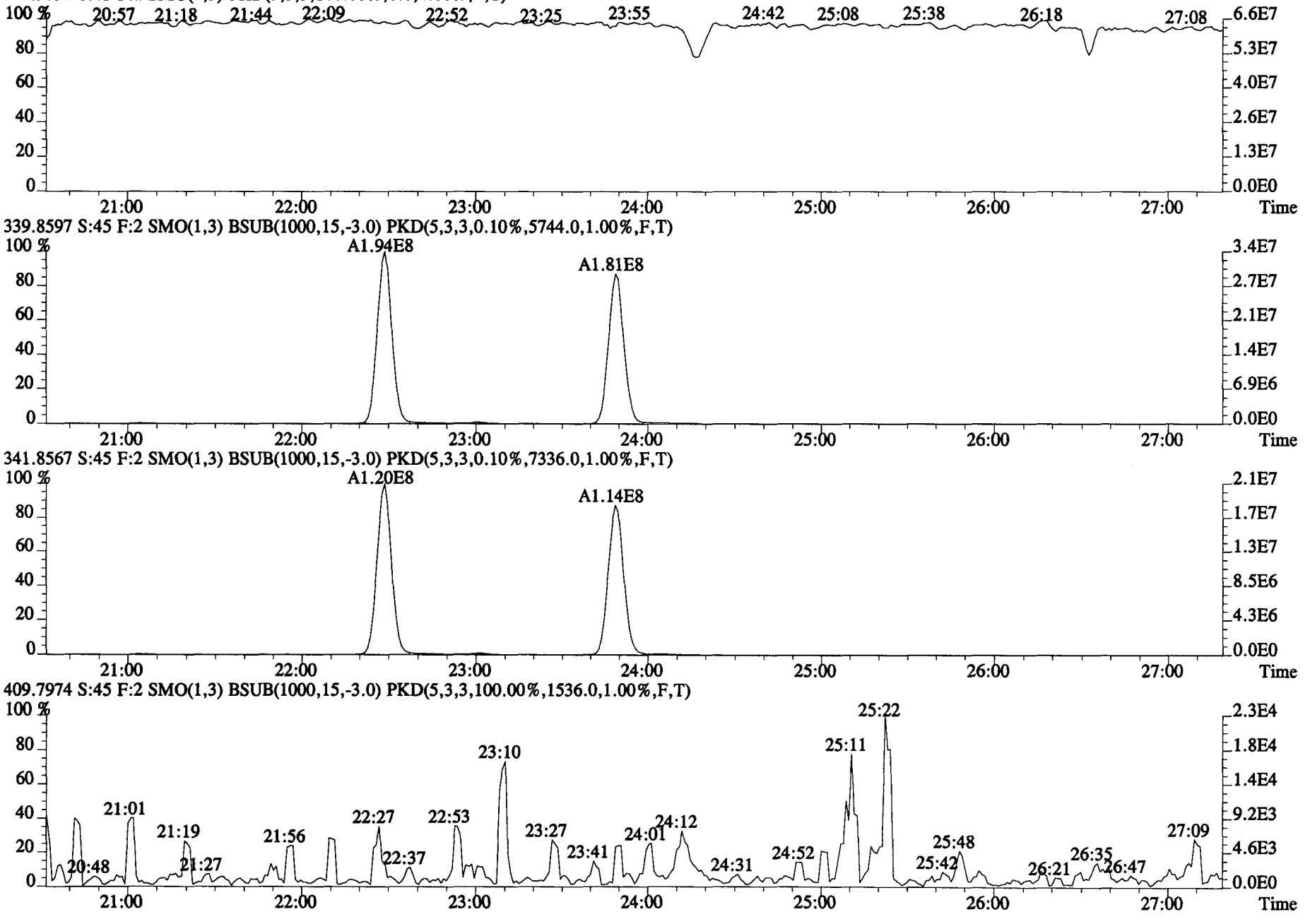


471.7750 S:45 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2440.0,1.00%,F,T)

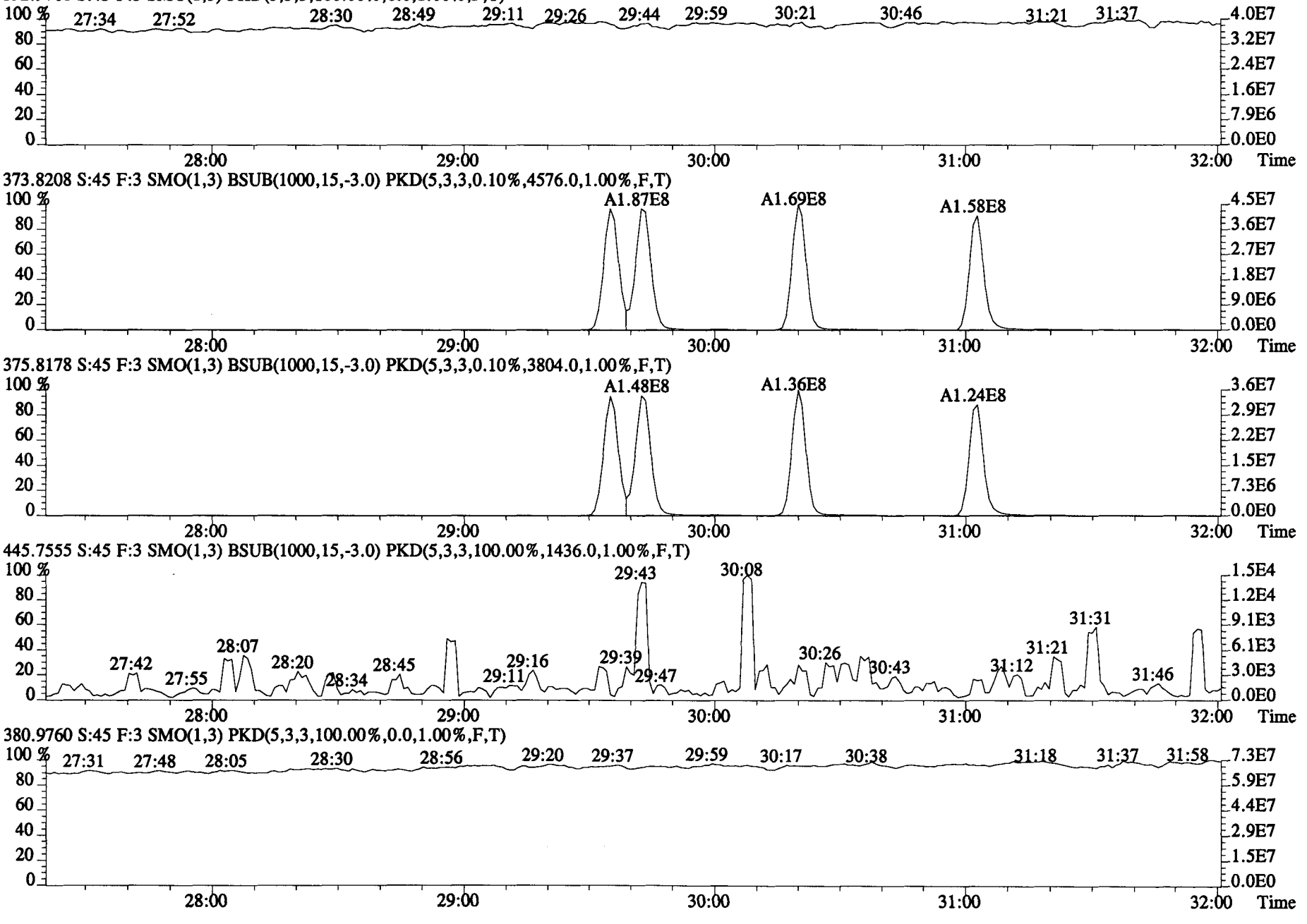




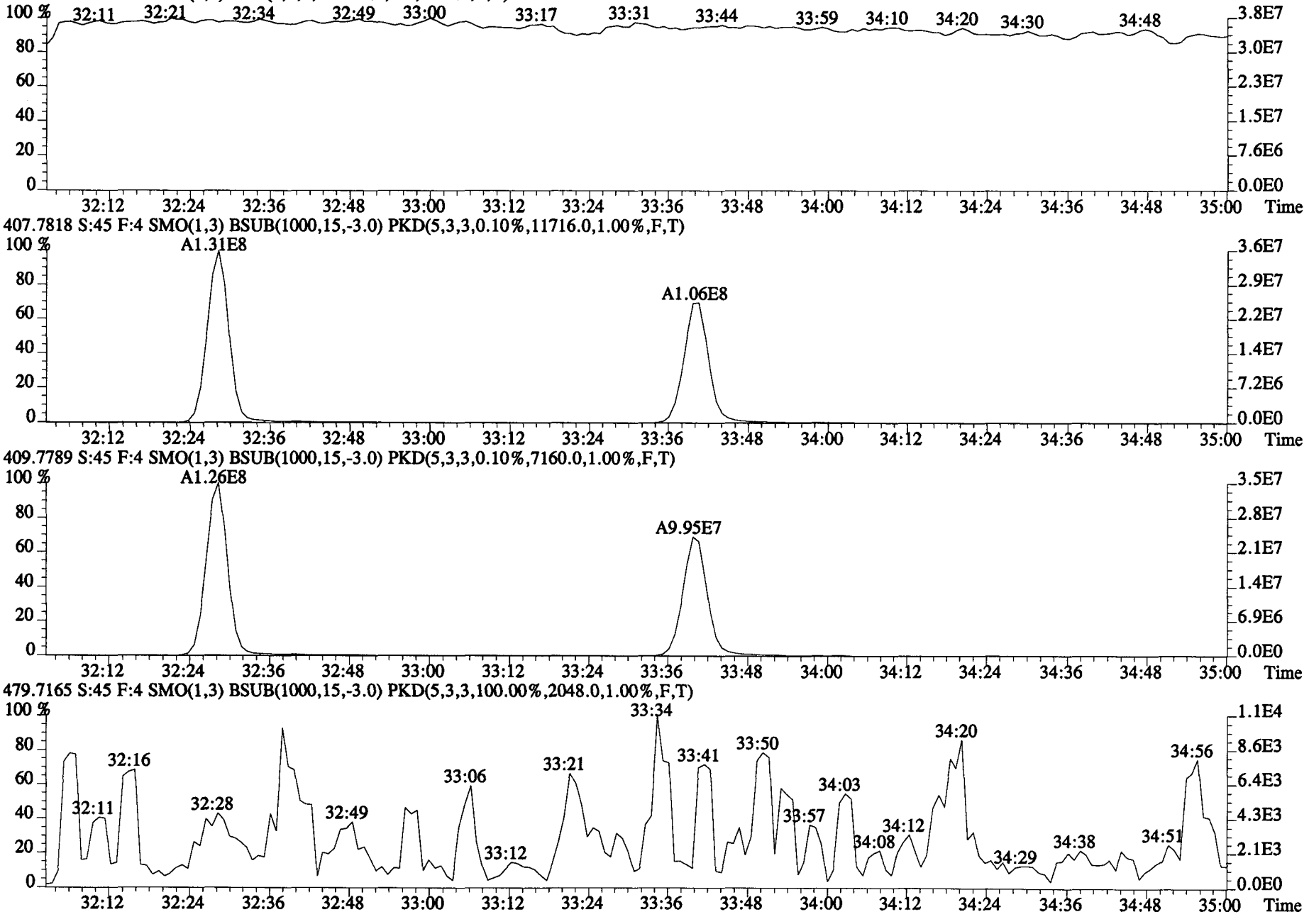
File:22SE10B1D5 #1-423 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES



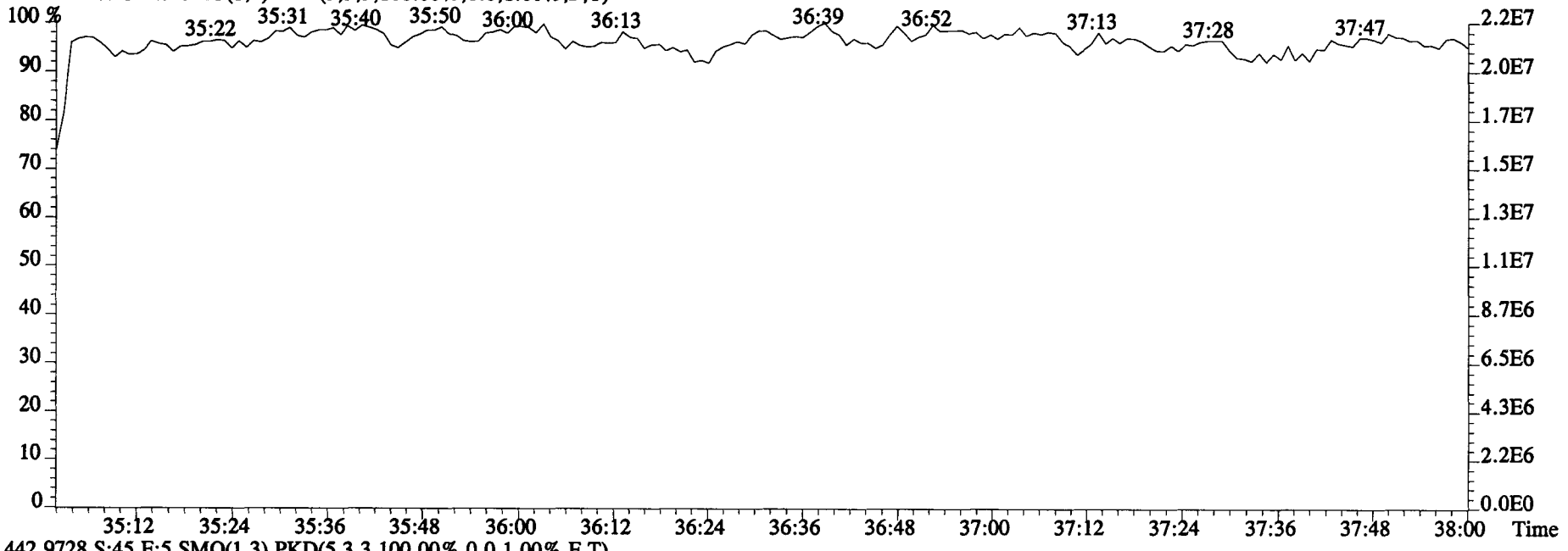
File:22SE10B1D5 #1-301 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES



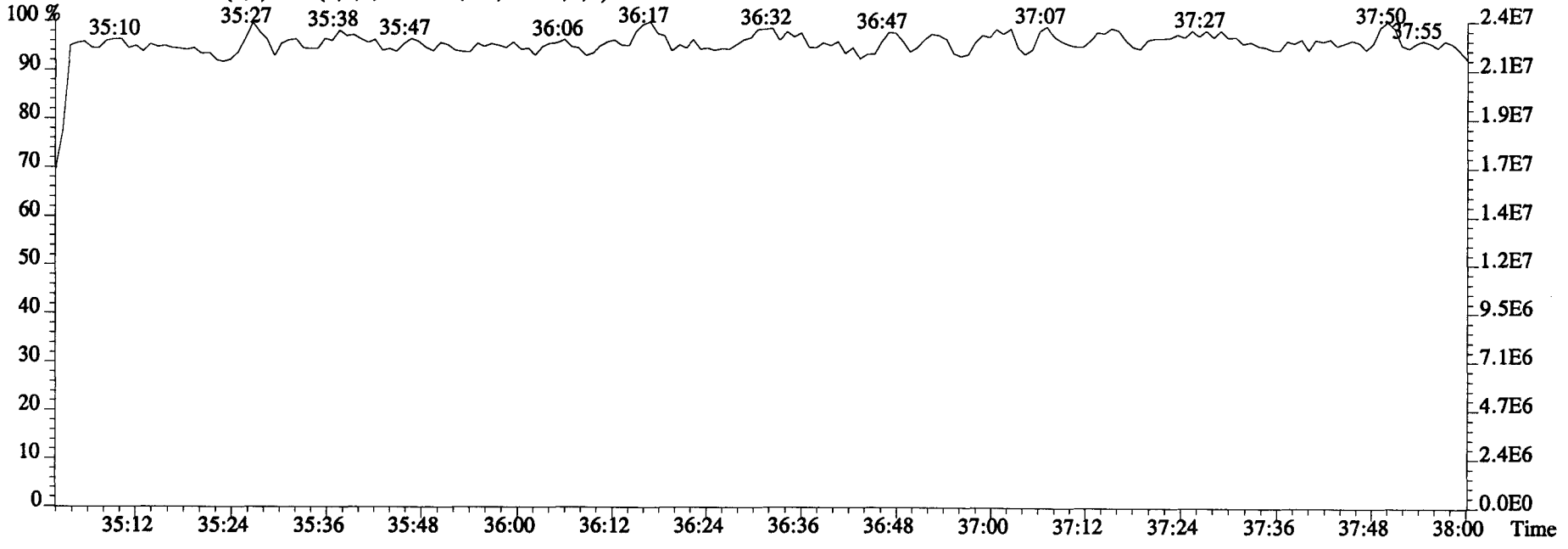
File:22SE10B1D5 #1-202 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES



File:22SE10B1D5 #1-196 Acq:24-SEP-2010 07:09:05 GC EI+ Voltage SIR 70SE
Sample#45 Text:ST0922E :CS3 10DXN426 Exp:DIOXINRES
454.9728 S:45 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:45 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



TestAmerica
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Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID TO9 - (DB225) **Associated ICAL** DB225 Ai 072610 5D2R

Column ID DB225 **Instrument ID** 5D2

STD ID STO924, STO924A **STD Solution** 10 DXN426

Analyzed by KSS, AB **Date Analyzed** 09-24-10

Std. Pkg. By AB **Date Std. Pkg. Assembled** 09-24-10

Std. Pkg. Reviewed By KSS **Date Std. Pkg. Reviewed** 9-24-10

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: ST0924 File text: ST0924 :CS3 10DXN426
Run #6 Filename 24SE105D2 S: 2 I: 1
Acquired: 24-SEP-10 09:53:21 Processed: 24-SEP-10 12:29:21
Run: 24SE105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R Results: 24SE105D2DB225AIR

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	150105000	0.78 y	15:06	-	100.00	-	n
13C-2,3,7,8-TCDF	253383000	0.78 y	16:19	1.69	100.00	-20.0	n
2,3,7,8-TCDF	27474200	0.78 y	16:19	1.08	10.00	2.7	n
13C-2,3,7,8-TCDD	141668200	0.75 y	14:47	0.94	100.00	6.7	n
2,3,7,8-TCDD	19732730	0.79 y	14:47	1.39	10.00	-14.9	n
37Cl-2,3,7,8-TCDD	18922600	1.00 y	14:47	1.34	10.00	-8.4	n

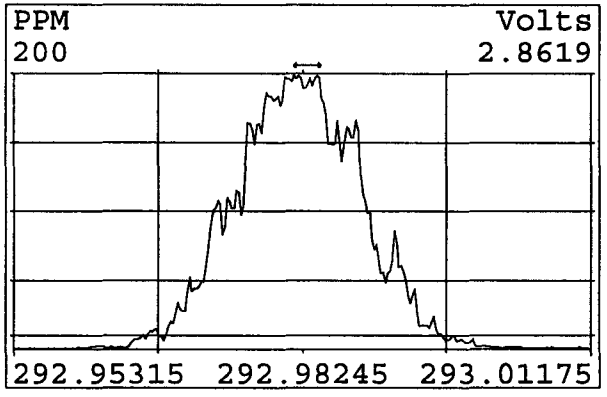
Run text: ST0924A File text: ST0924A :CS3 10DXN417
Run #11 Filename 24SE105D2 S: 9 I: 1
Acquired: 24-SEP-10 14:06:27 Processed: 24-SEP-10 14:34:51
Run: 24SE105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R Results: 24SE105D2DB225AIR

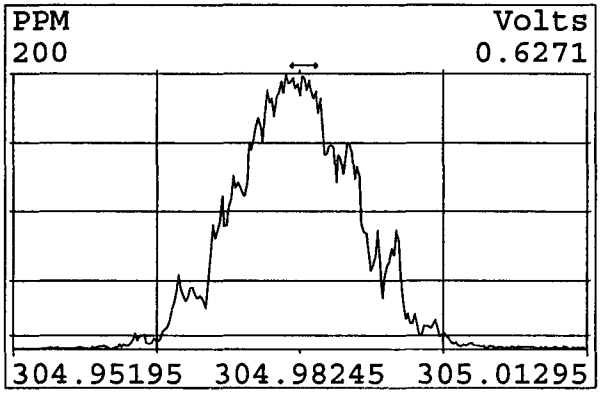
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	140012364	0.75	y	15:09	-	100.00	-	n
13C-2,3,7,8-TCDF	215034184	0.80	y	16:22	1.54	100.00	-27.3	n
2,3,7,8-TCDF	21388270	0.79	y	16:24	0.99	10.00	-5.8	n
13C-2,3,7,8-TCDD	130740904	0.75	y	14:50	0.93	100.00	5.5	n
2,3,7,8-TCDD	17358643	0.78	y	14:52	1.33	10.00	-18.8	n
37Cl-2,3,7,8-TCDD	17357870	1.00	y	14:52	1.33	10.00	-8.9	n

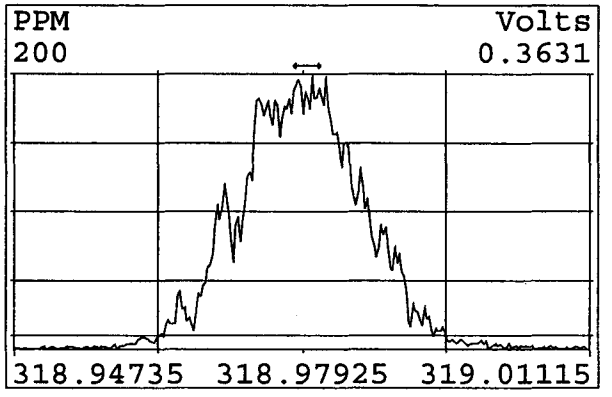
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
24SE105D2	1	CP0924	DB-225 CPSM 3732-06				1.0000	
24SE105D2	2	ST0924	CS3 10DXN426				1.0000	
24SE105D2	3	SB0924	Solvent Blank C-14				1.0000	
24SE105D2	4	L6645-1-AA	G0I180489-4	20	TO9/AIR	53	0.5000	SAM
24SE105D2	5	L6646-1-AA	G0I180489-5	20	TO9/AIR		0.5000	SAM
24SE105D2	6	L6647-1-AA	G0I180489-6	20	TO9/AIR		0.5000	SAM
24SE105D2	7	L6JW9-1-AC	G0I030583-1	20	8290/SOLID	35	5.3000	g
24SE105D2	8	L6JXA-1-AC	G0I030583-2	20	8290/SOLID		5.1400	g
24SE105D2	9	ST0924A	CS3 10DXN417				1.0000	
24SE105D2	10						1.0000	
24SE105D2	11						1.0000	
24SE105D2	12						1.0000	
24SE105D2	13		KSS, AS 09-24-10				1.0000	

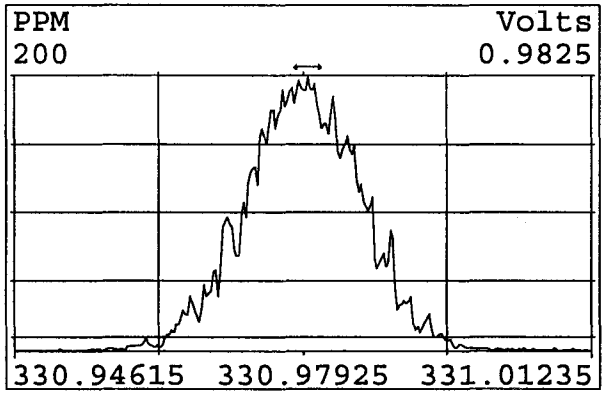
Logfile √d
9/24/10 KSS

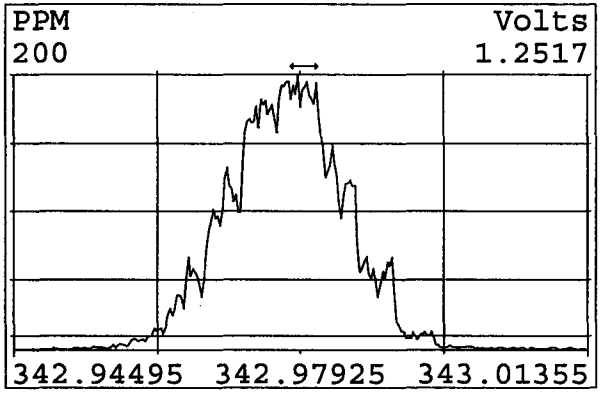
Peak Locate Examination:24-SEP-2010:09:15 File:24SE105D2
Experiment:DB225RES Function:1 Reference:PFK

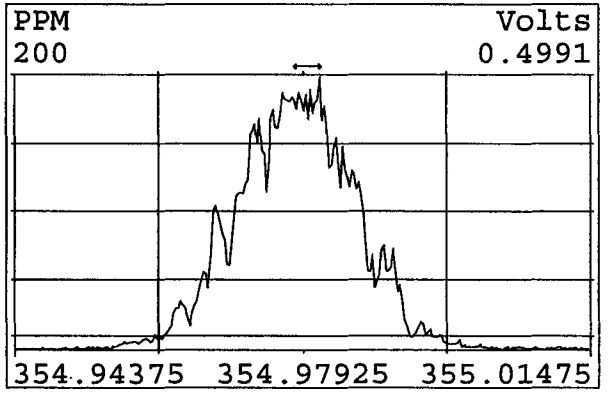


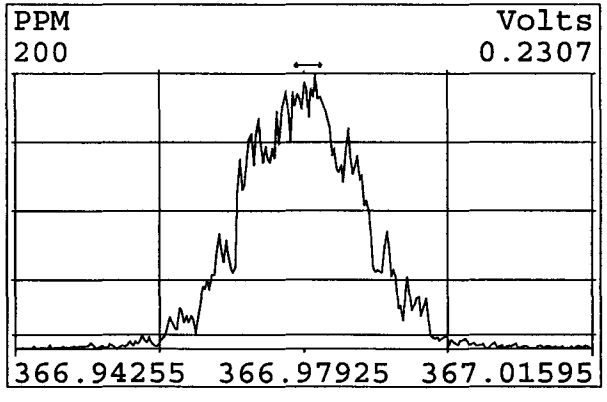


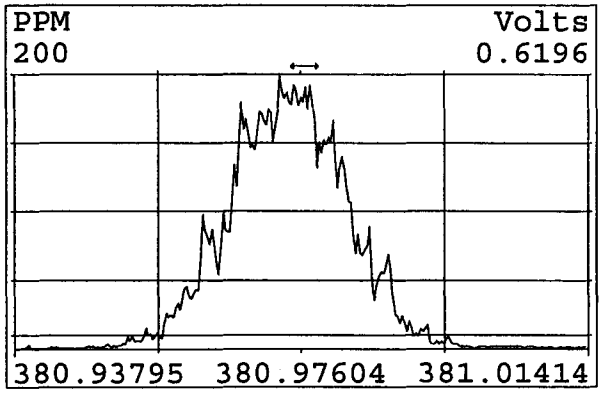




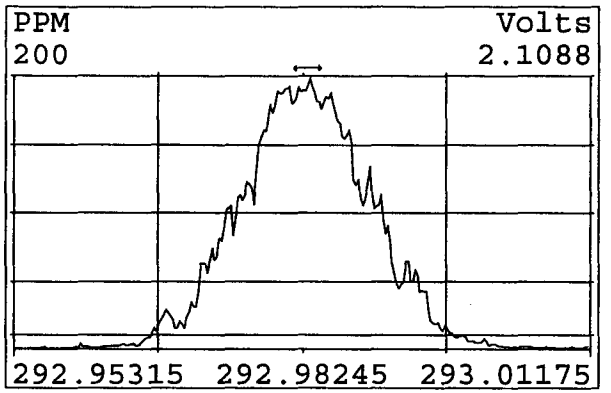


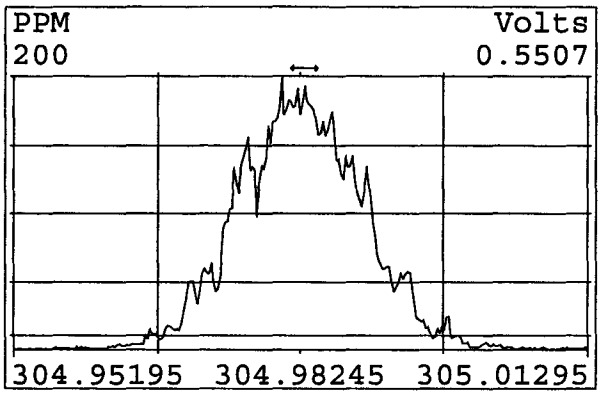


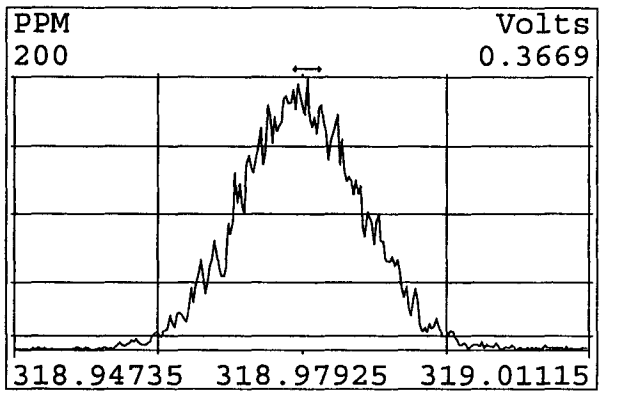


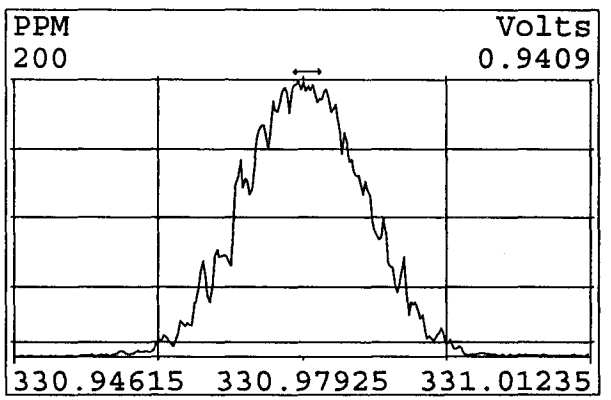


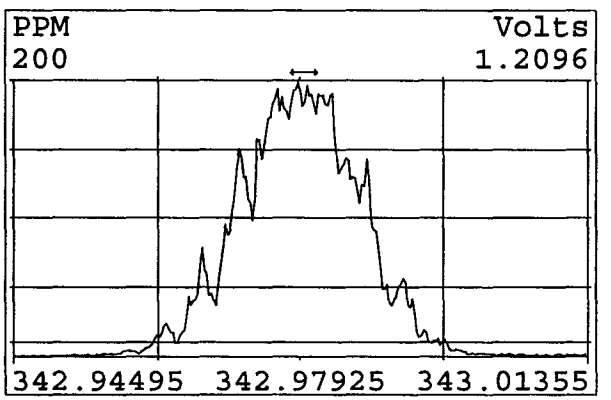
Peak Locate Examination:24-SEP-2010:14:44 File:24SE105D2ENDRES
Experiment:DB225RES Function:1 Reference:PFK

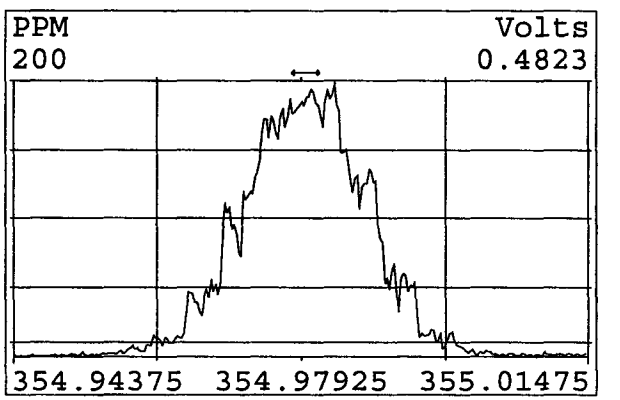


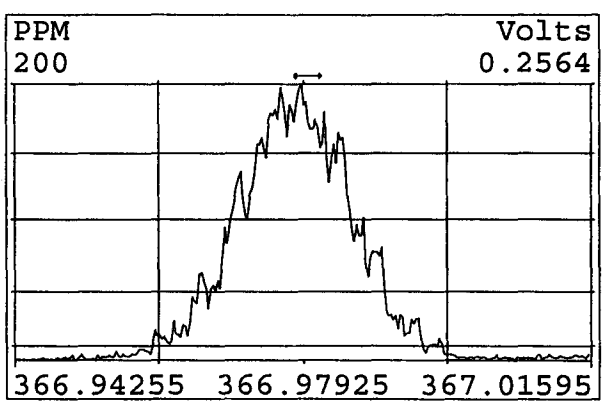


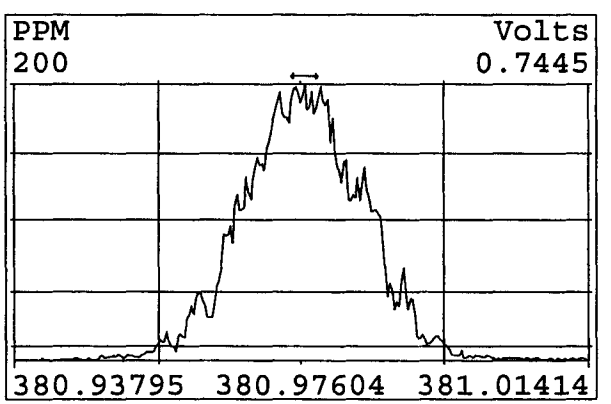




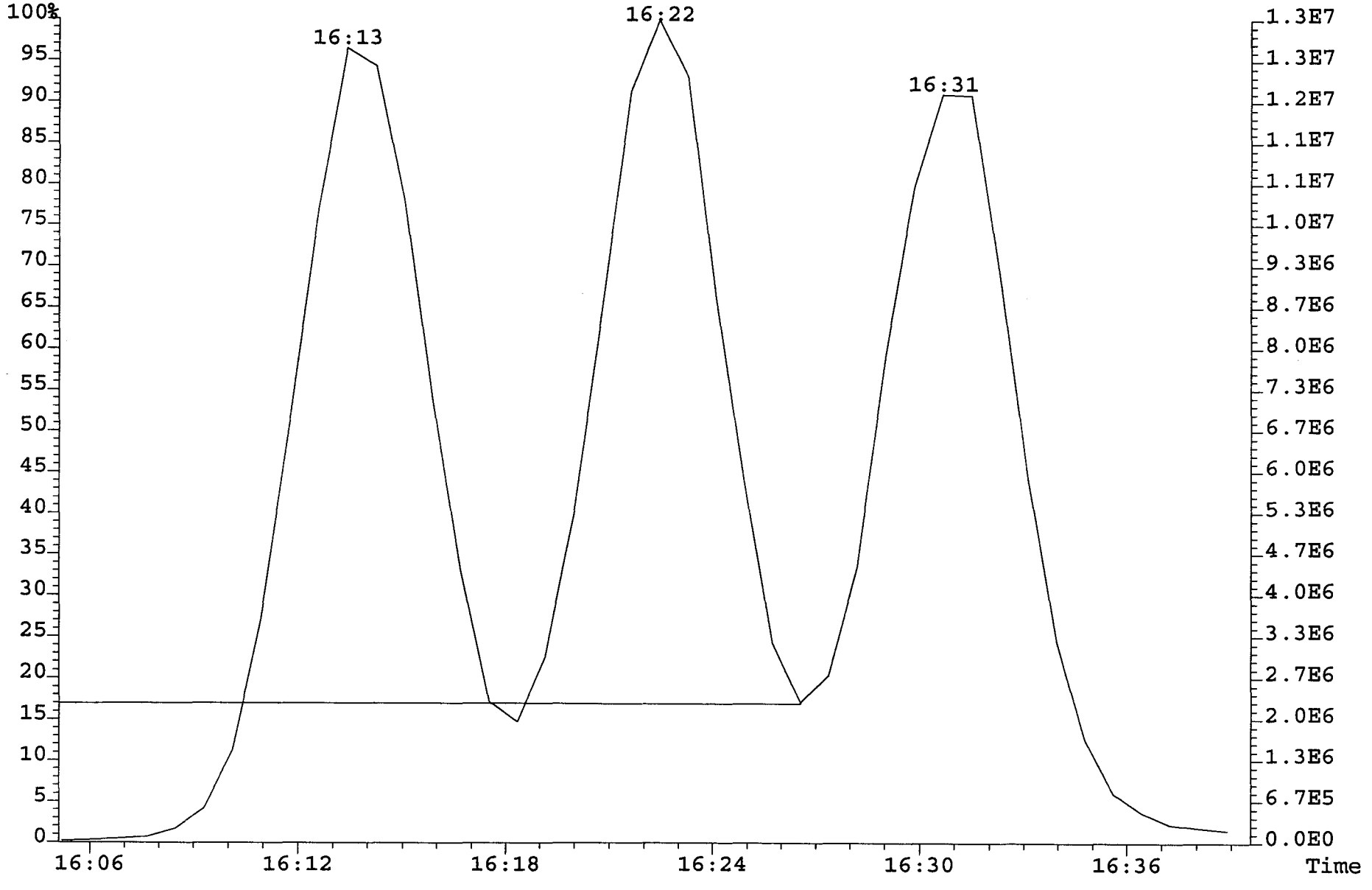








File:24SE105D2 #1-1066 Acq:24-SEP-2010 09:17:11 GC EI+ Voltage SIR 70SE
303.9016 BSUB(128,15,-3.0) Exp:DB225RES Noise:2359

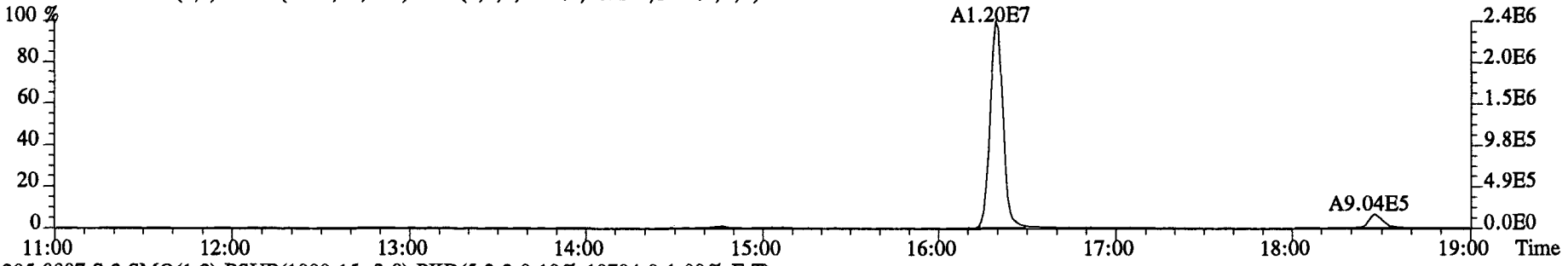


Run: 24SE105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R

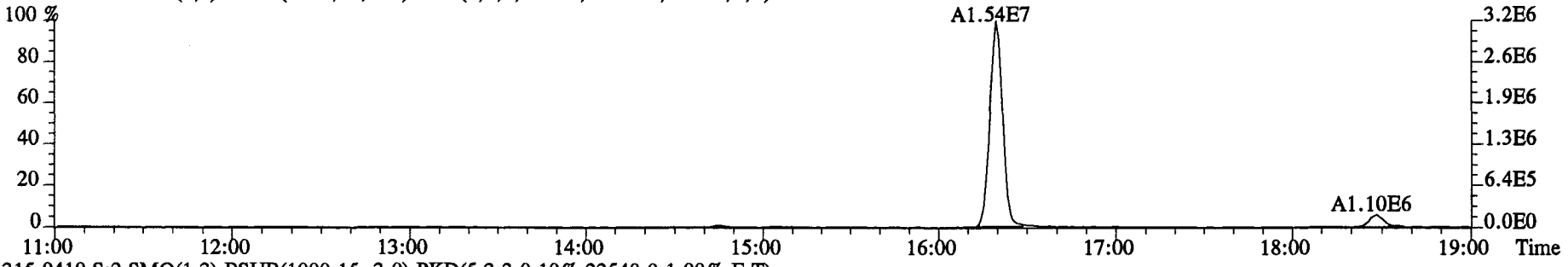
ST0726A :CS-1 10DXN342 RI ST0726B :CS-2 10DXN335 ST0726C :CS-3 10DXN336
ST0726E :CS-4 10DXN337 ST0726D :CS-5 10DXN339

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

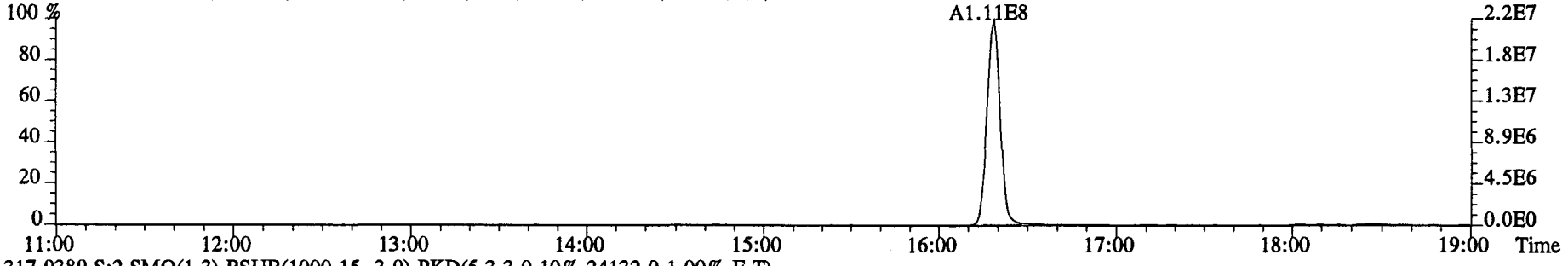
File:24SE105D2 #1-1242 Acq:24-SEP-2010 09:53:21 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0924 :CS3 10DXN426 Exp:DB225RES
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6132.0,1.00%,F,T)



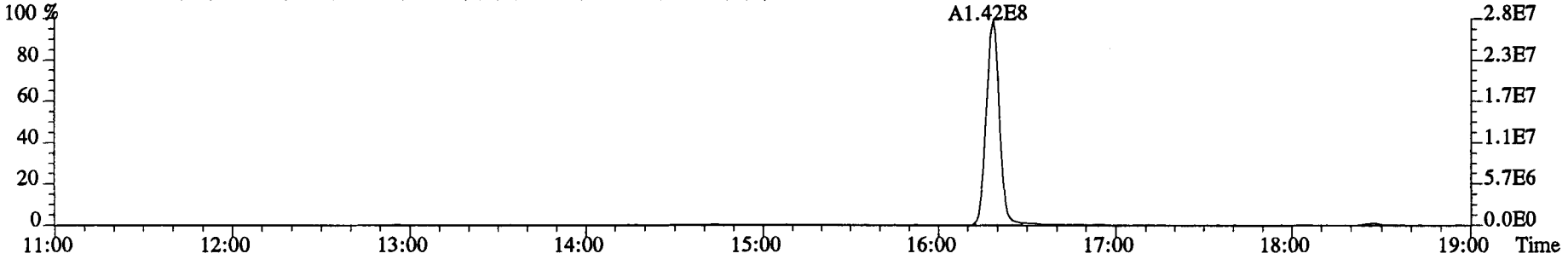
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10704.0,1.00%,F,T)



315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22548.0,1.00%,F,T)

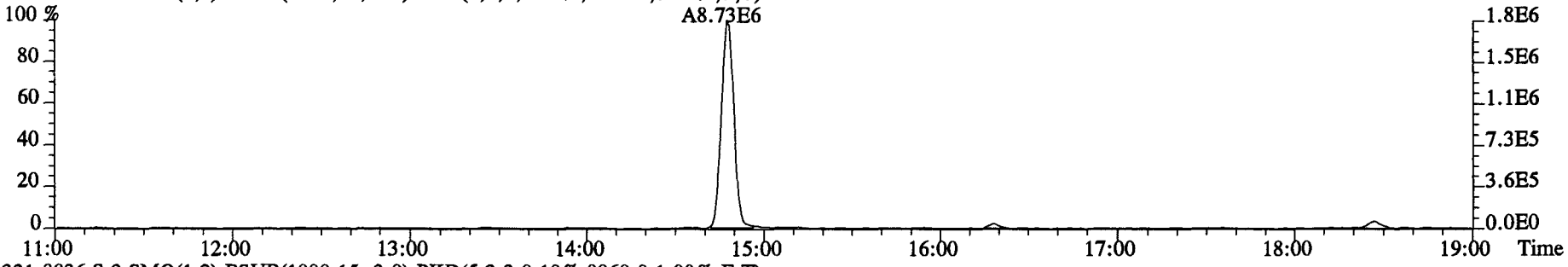


317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24132.0,1.00%,F,T)

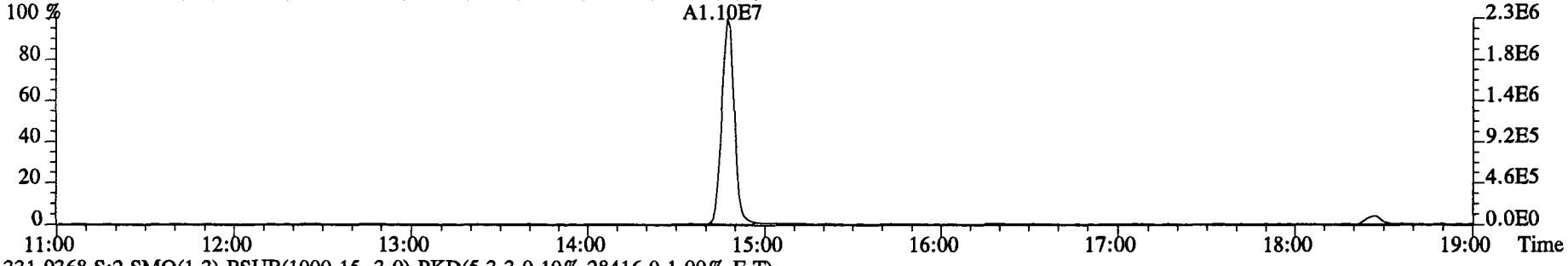


File:24SE105D2 #1-1242 Acq:24-SEP-2010 09:53:21 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0924 :CS3 10DXN426 Exp:DB225RES

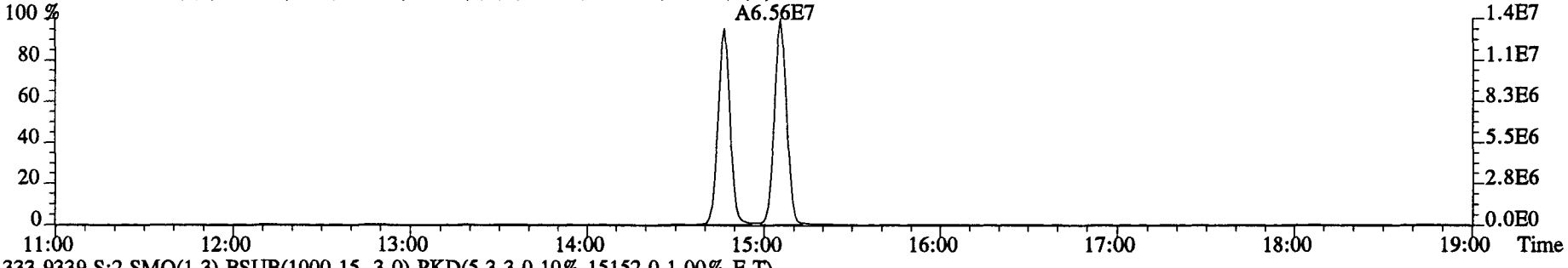
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7936.0,1.00%,F,T)



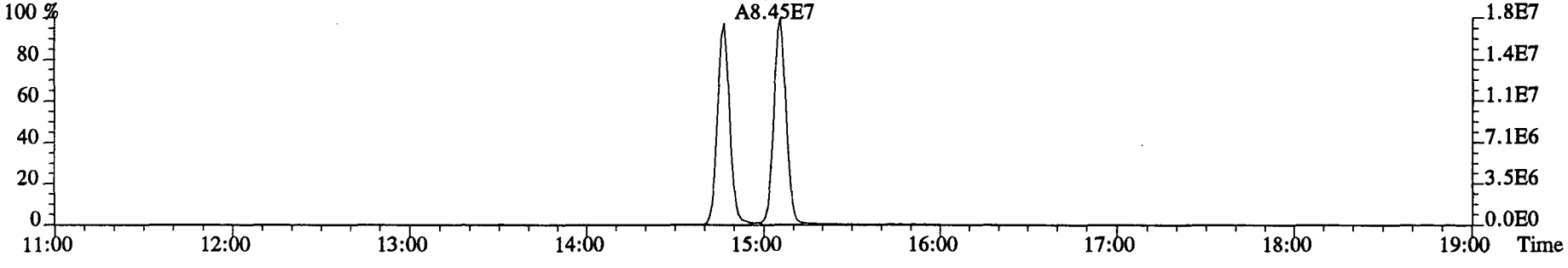
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9060.0,1.00%,F,T)



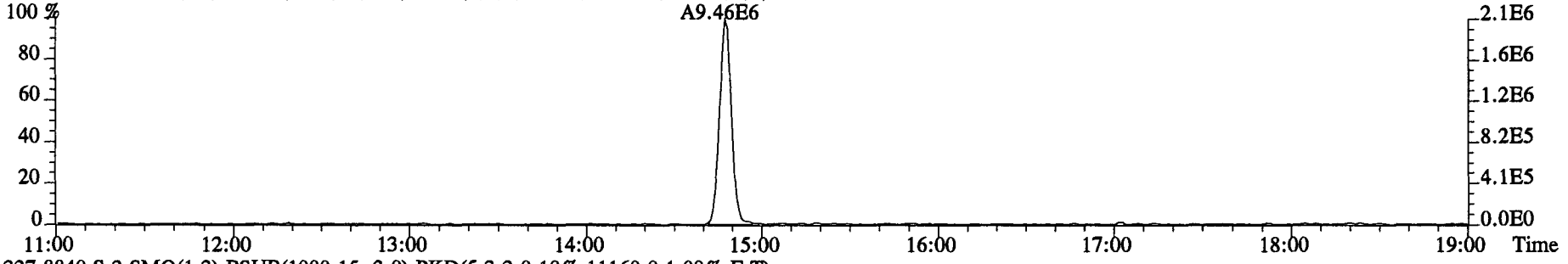
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28416.0,1.00%,F,T)



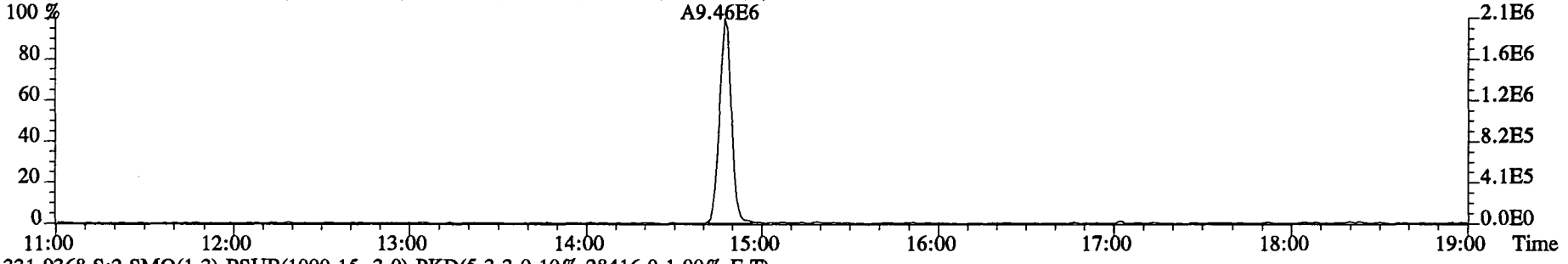
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15152.0,1.00%,F,T)



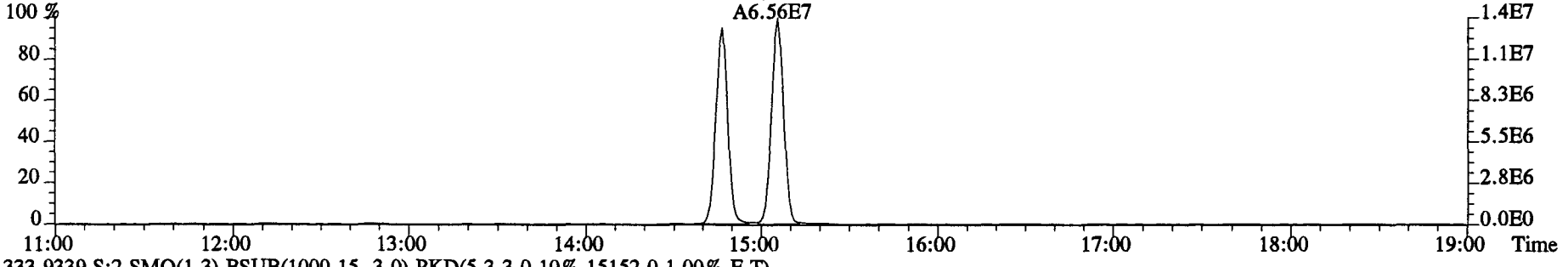
File:24SE105D2 #1-1242 Acq:24-SEP-2010 09:53:21 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0924 :CS3 10DXN426 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11160.0,1.00%,F,T)



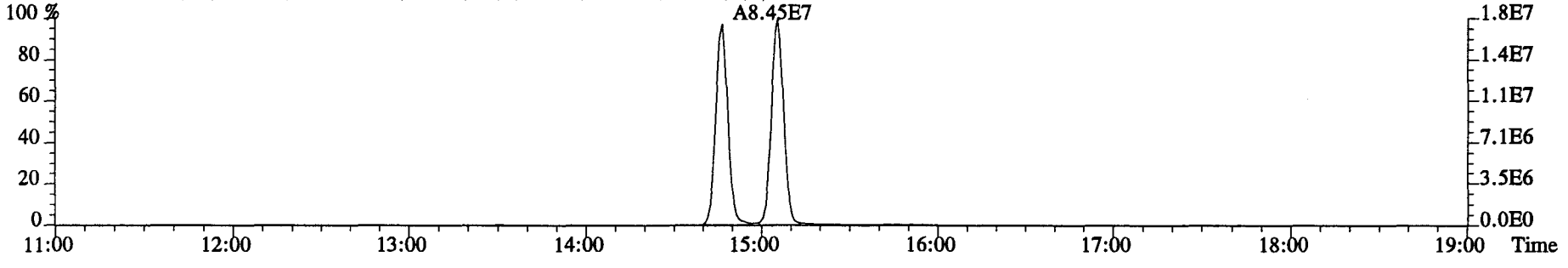
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11160.0,1.00%,F,T)



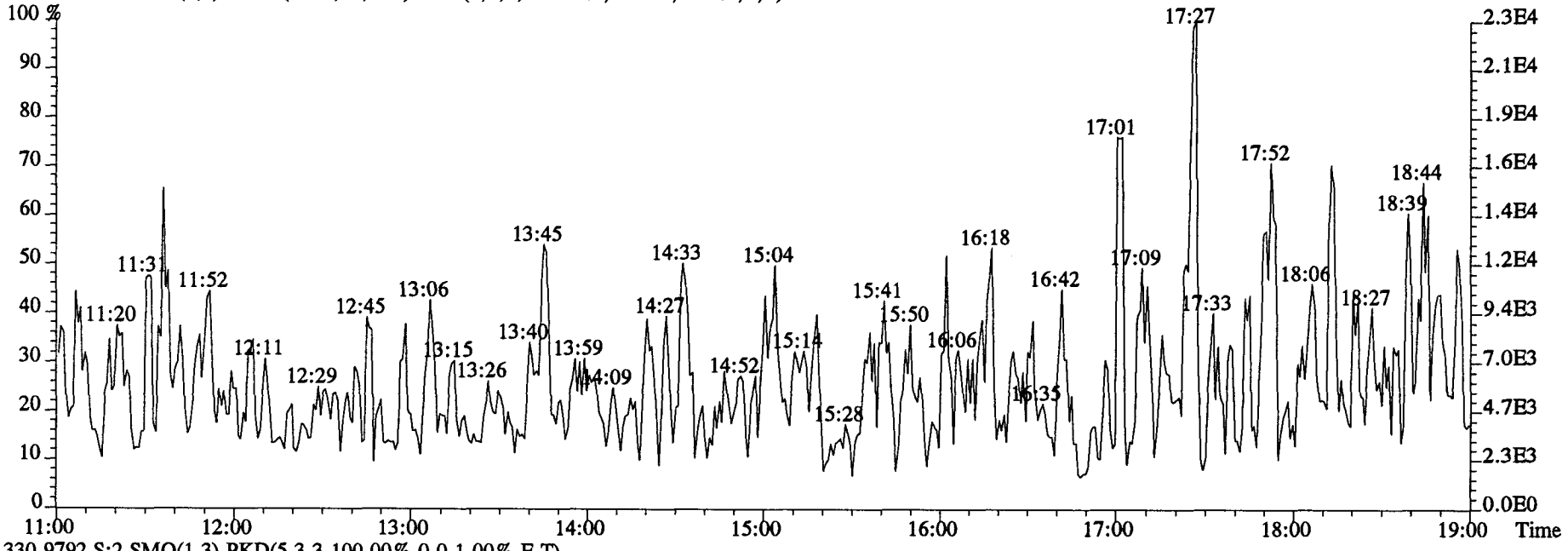
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28416.0,1.00%,F,T)



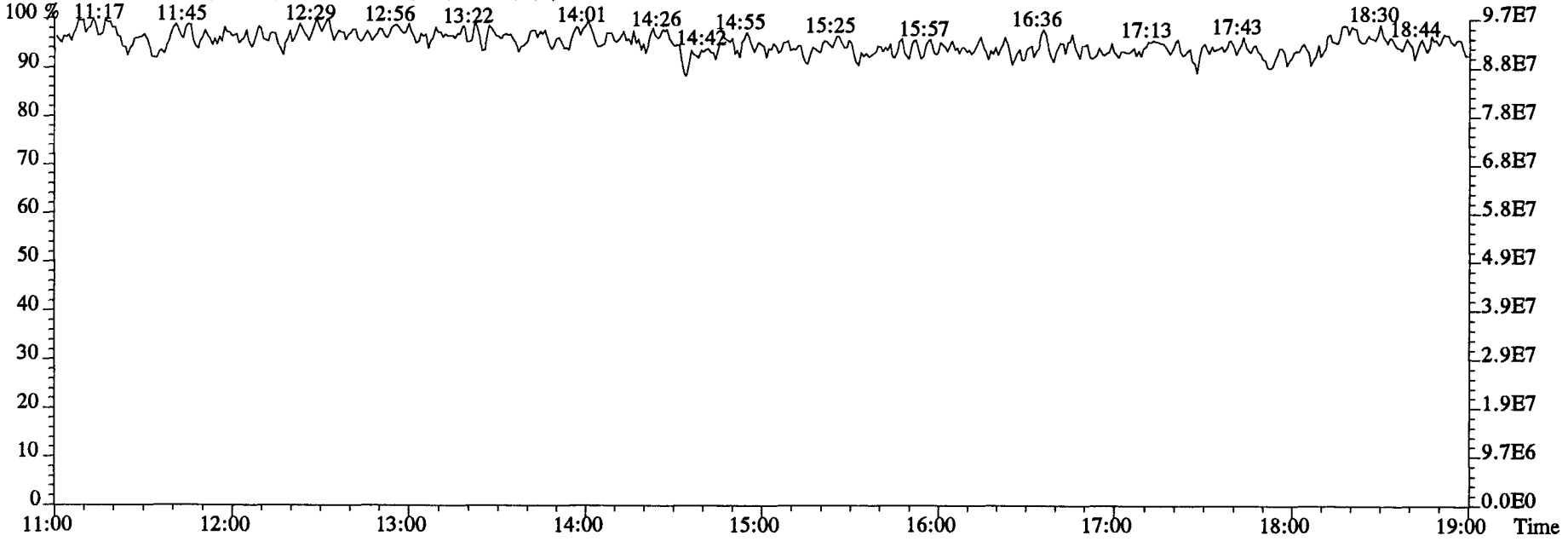
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15152.0,1.00%,F,T)



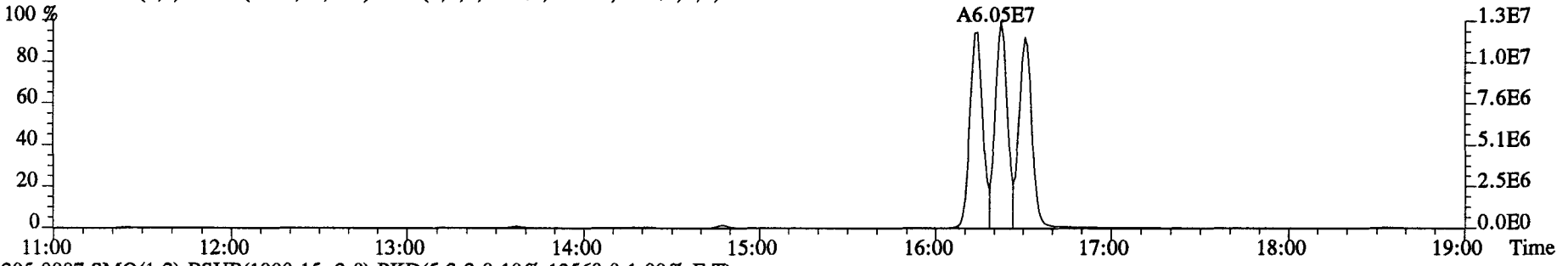
File:24SE105D2 #1-1242 Acq:24-SEP-2010 09:53:21 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0924 :CS3 10DXN426 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7304.0,1.00%,F,T)



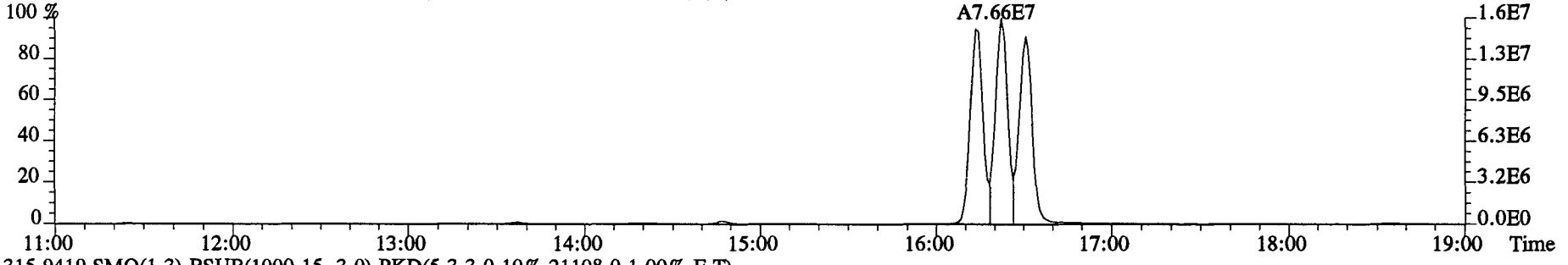
330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



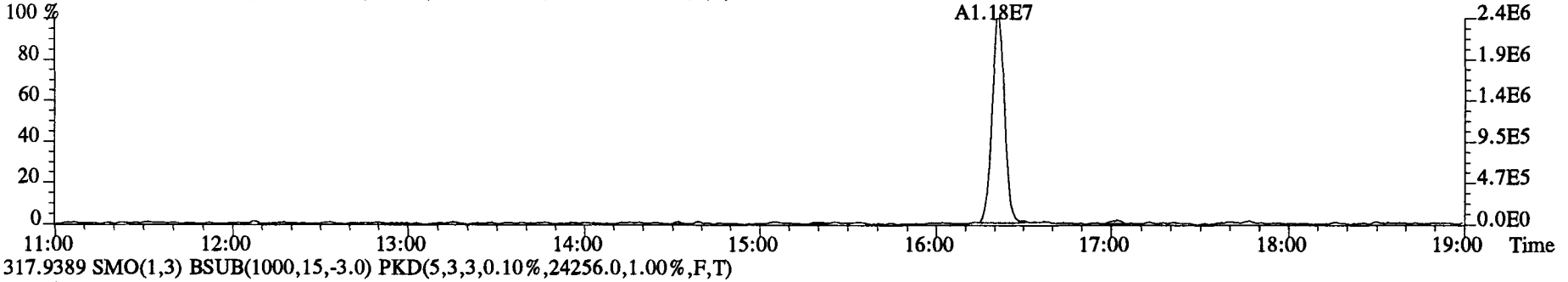
File:24SE105D2 #1-1241 Acq:24-SEP-2010 09:17:11 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0924 :DB-225 CPSM 3732-06 Exp:DB225RES
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7496.0,1.00%,F,T)



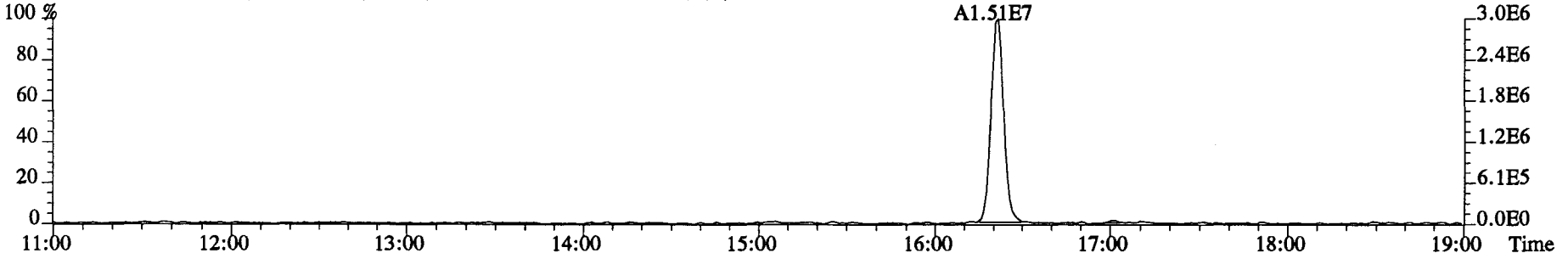
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12568.0,1.00%,F,T)



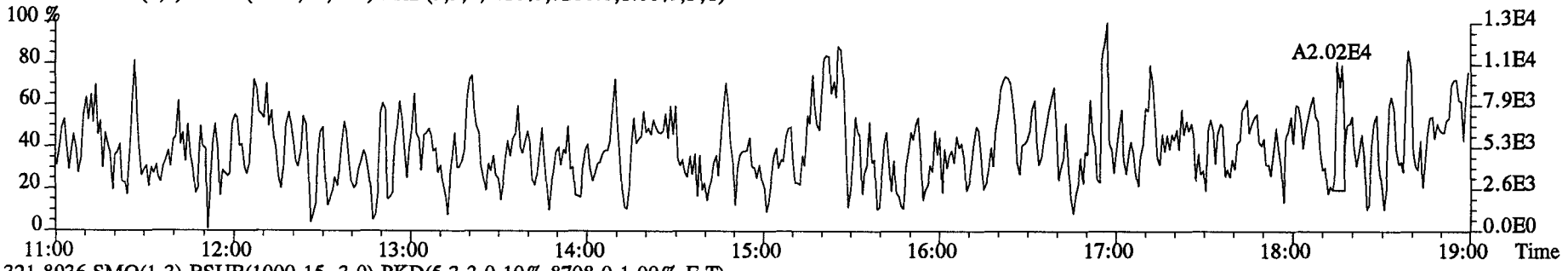
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21108.0,1.00%,F,T)



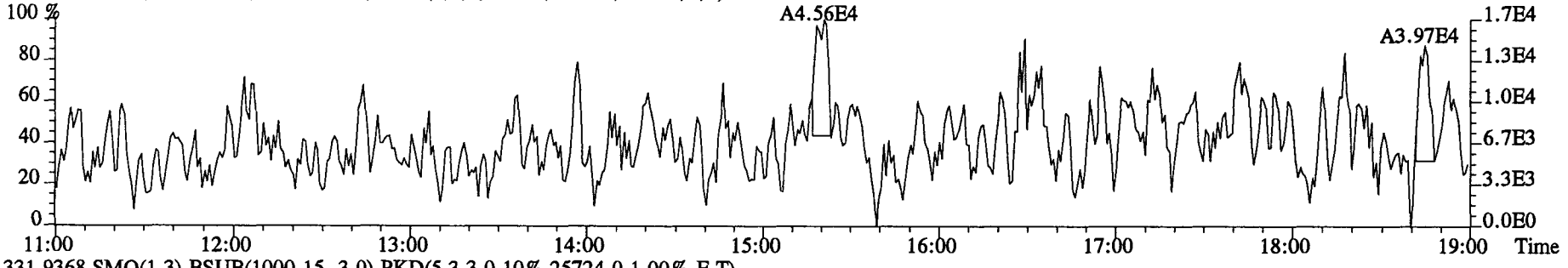
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24256.0,1.00%,F,T)



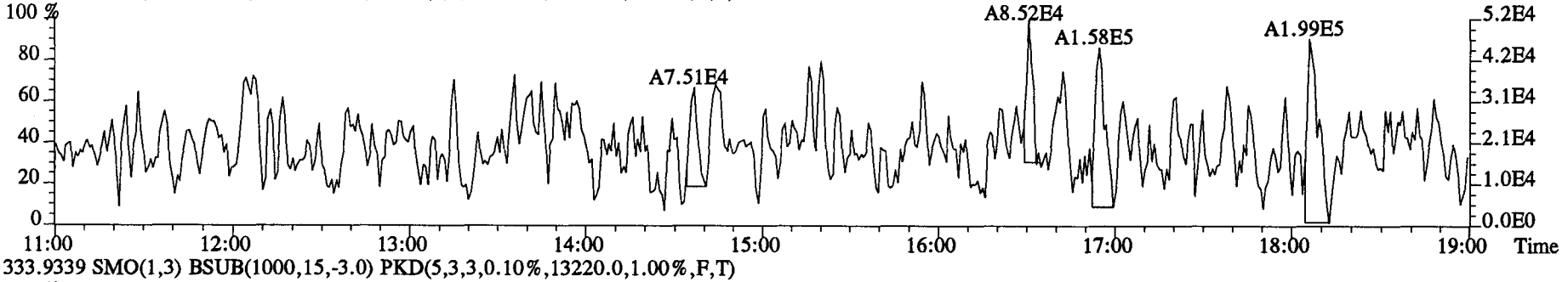
File:24SE105D2 #1-1241 Acq:24-SEP-2010 09:17:11 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0924 :DB-225 CPSM 3732-06 Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7288.0,1.00%,F,T)



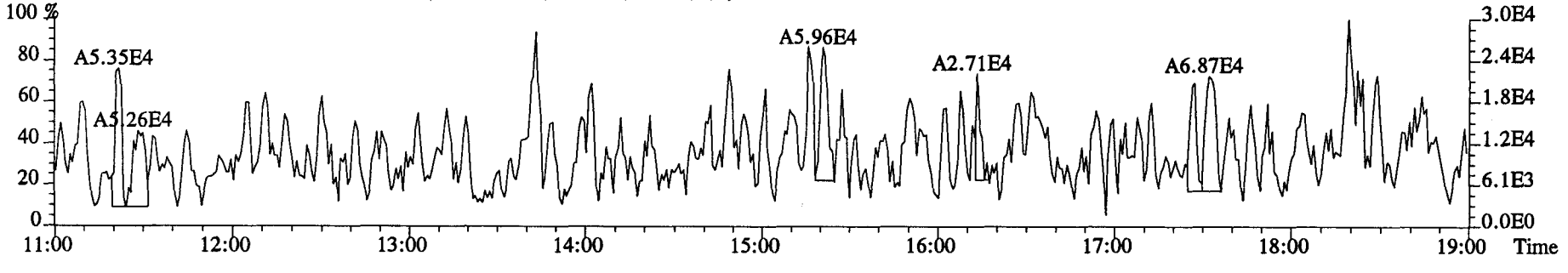
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8708.0,1.00%,F,T)



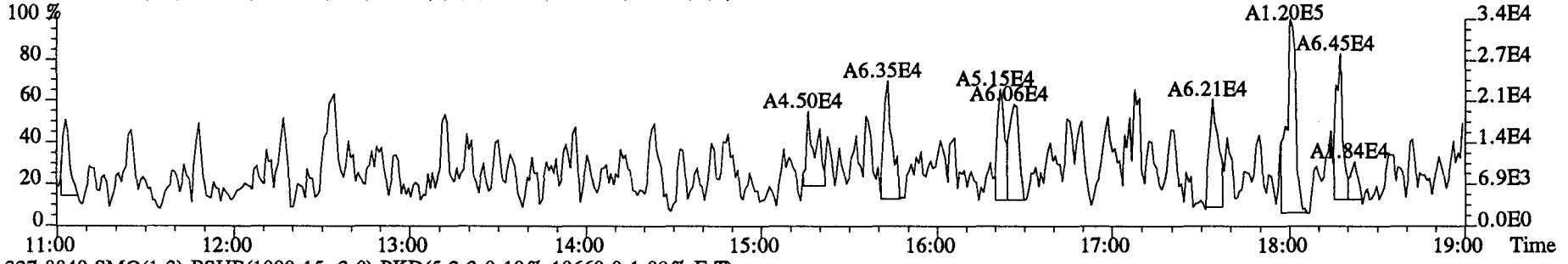
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25724.0,1.00%,F,T)



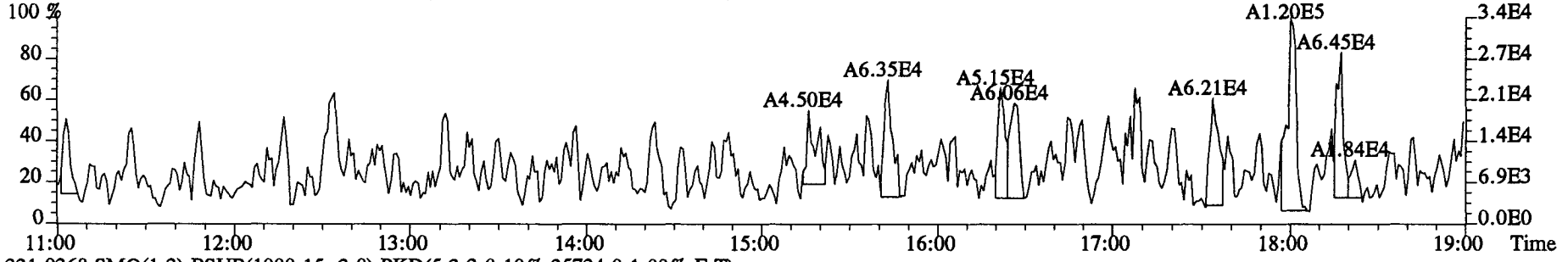
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13220.0,1.00%,F,T)



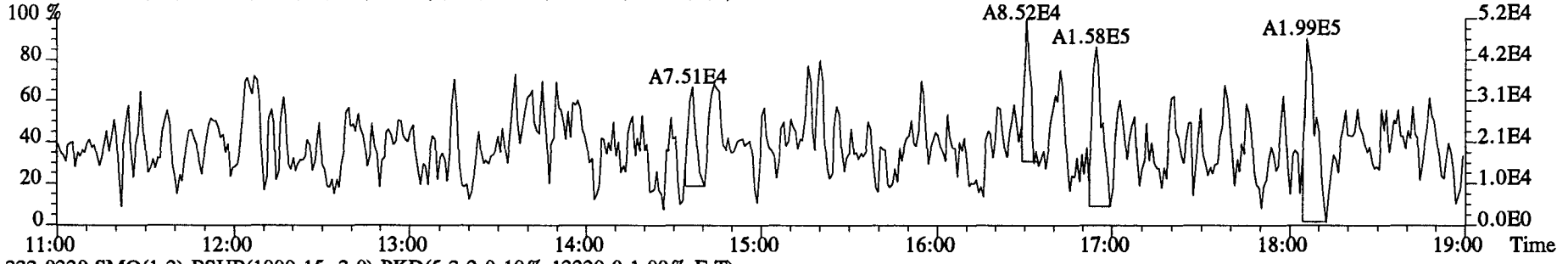
File:24SE105D2 #1-1241 Acq:24-SEP-2010 09:17:11 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0924 :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10660.0,1.00%,F,T)



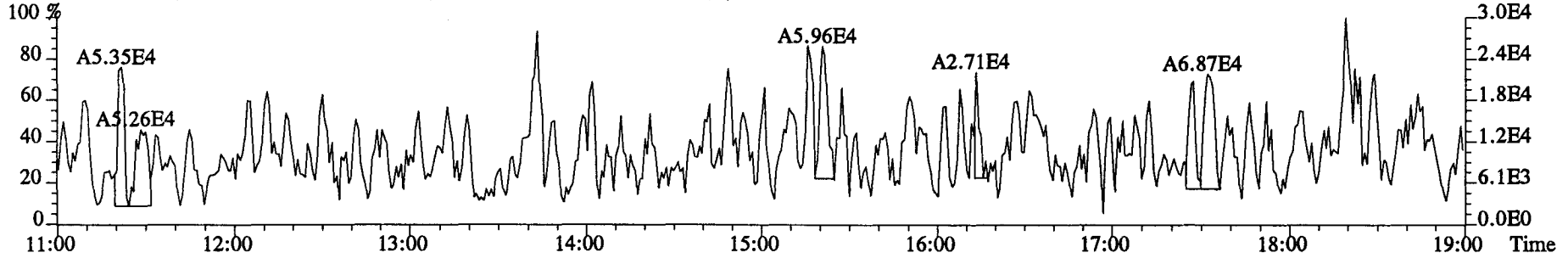
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10660.0,1.00%,F,T)



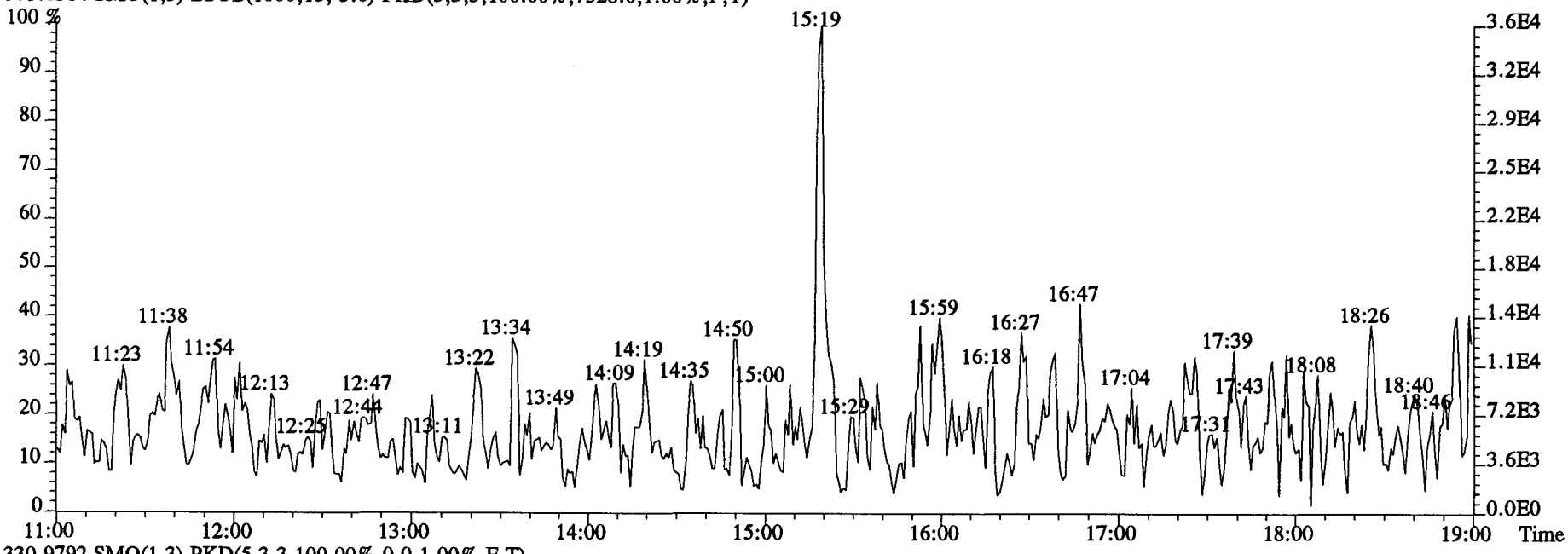
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25724.0,1.00%,F,T)



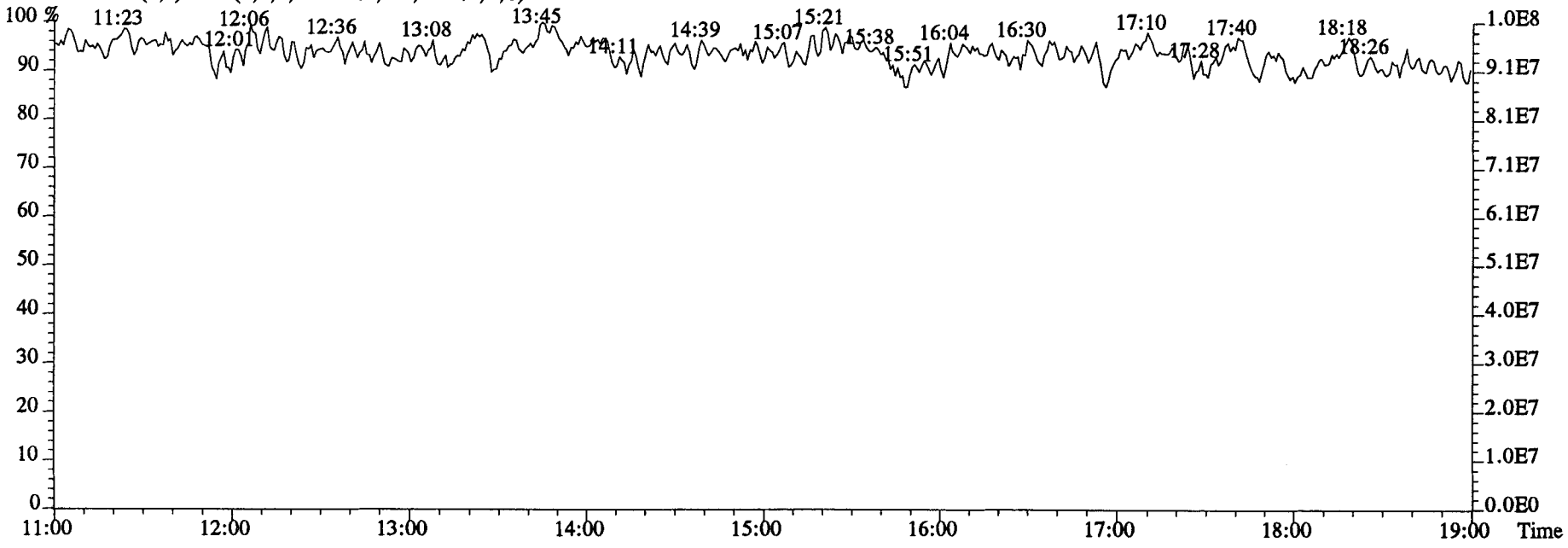
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13220.0,1.00%,F,T)



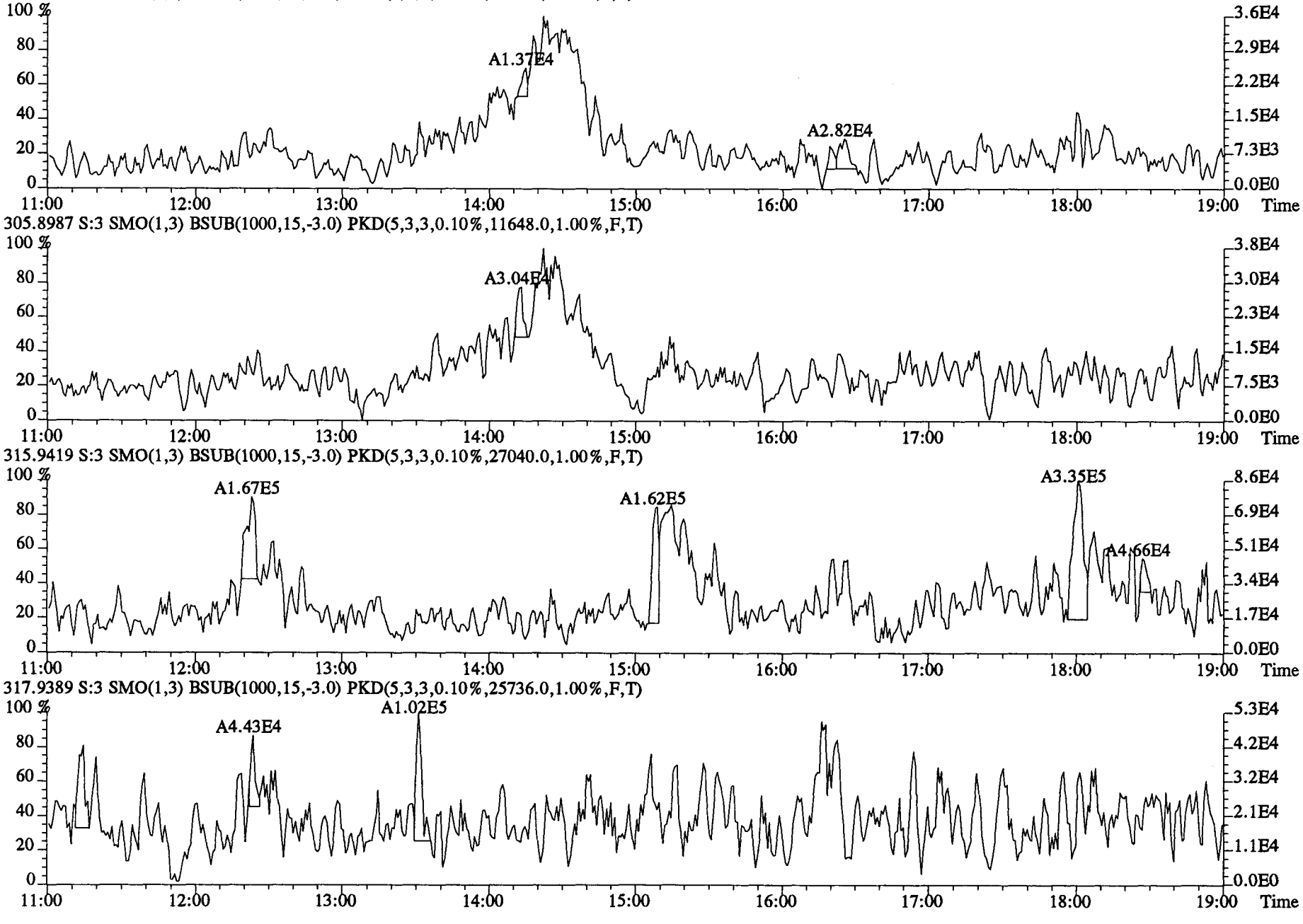
File:24SE105D2 #1-1241 Acq:24-SEP-2010 09:17:11 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0924 :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7528.0,1.00%,F,T)



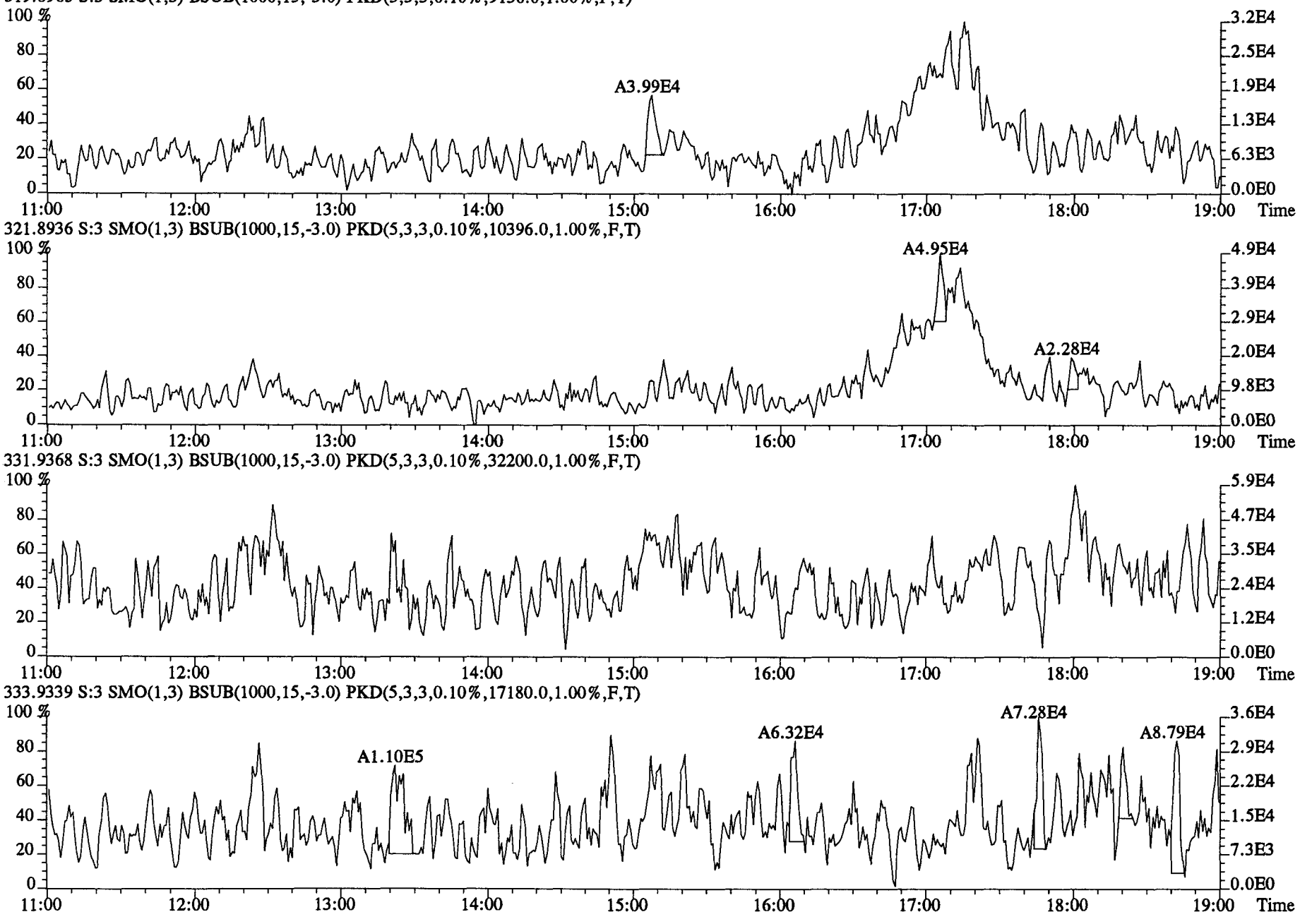
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



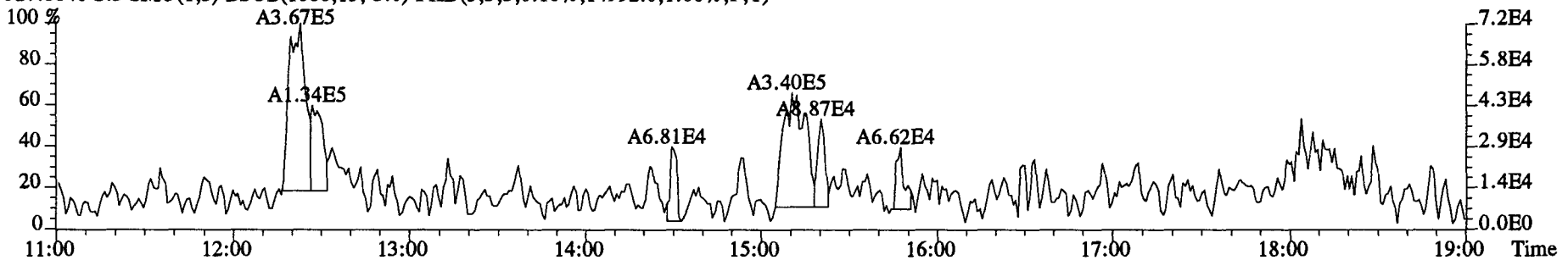
File:24SE105D2 #1-1242 Acq:24-SEP-2010 10:29:32 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0924 :Solvent Blank C-14 Exp:DB225RES



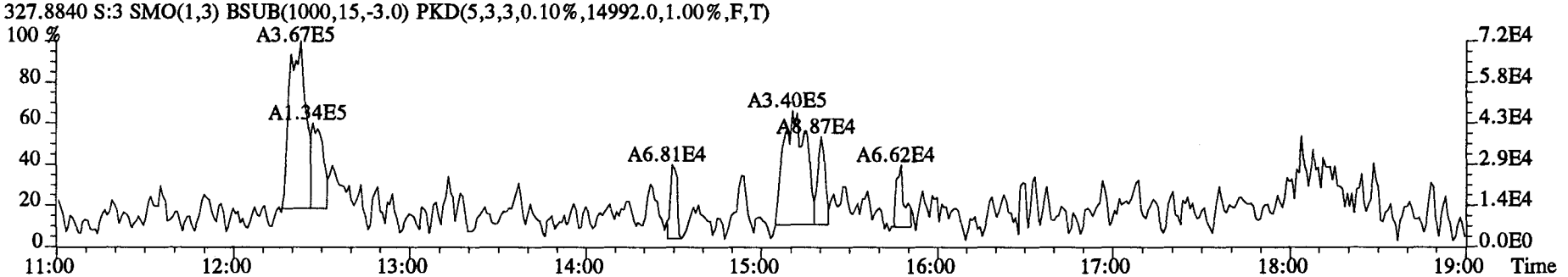
File:24SE105D2 #1-1242 Acq:24-SEP-2010 10:29:32 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0924 :Solvent Blank C-14 Exp:DB225RES



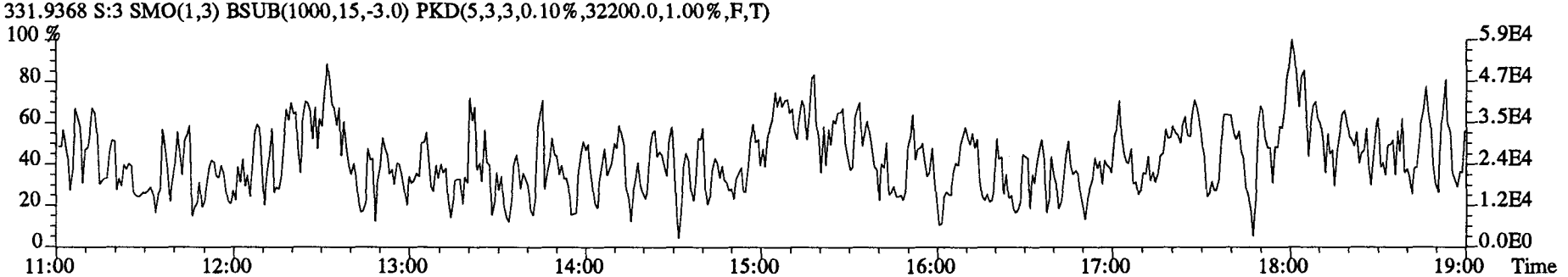
File:24SE105D2 #1-1242 Acq:24-SEP-2010 10:29:32 GC EI+ Voltage SIR 70SE
Sample#3 Text:SB0924 :Solvent Blank C-14 Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14992.0,1.00%,F,T)



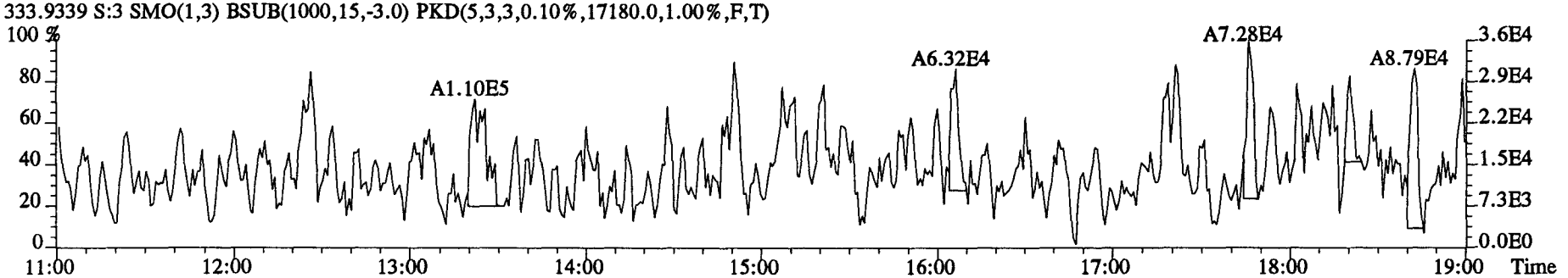
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14992.0,1.00%,F,T)

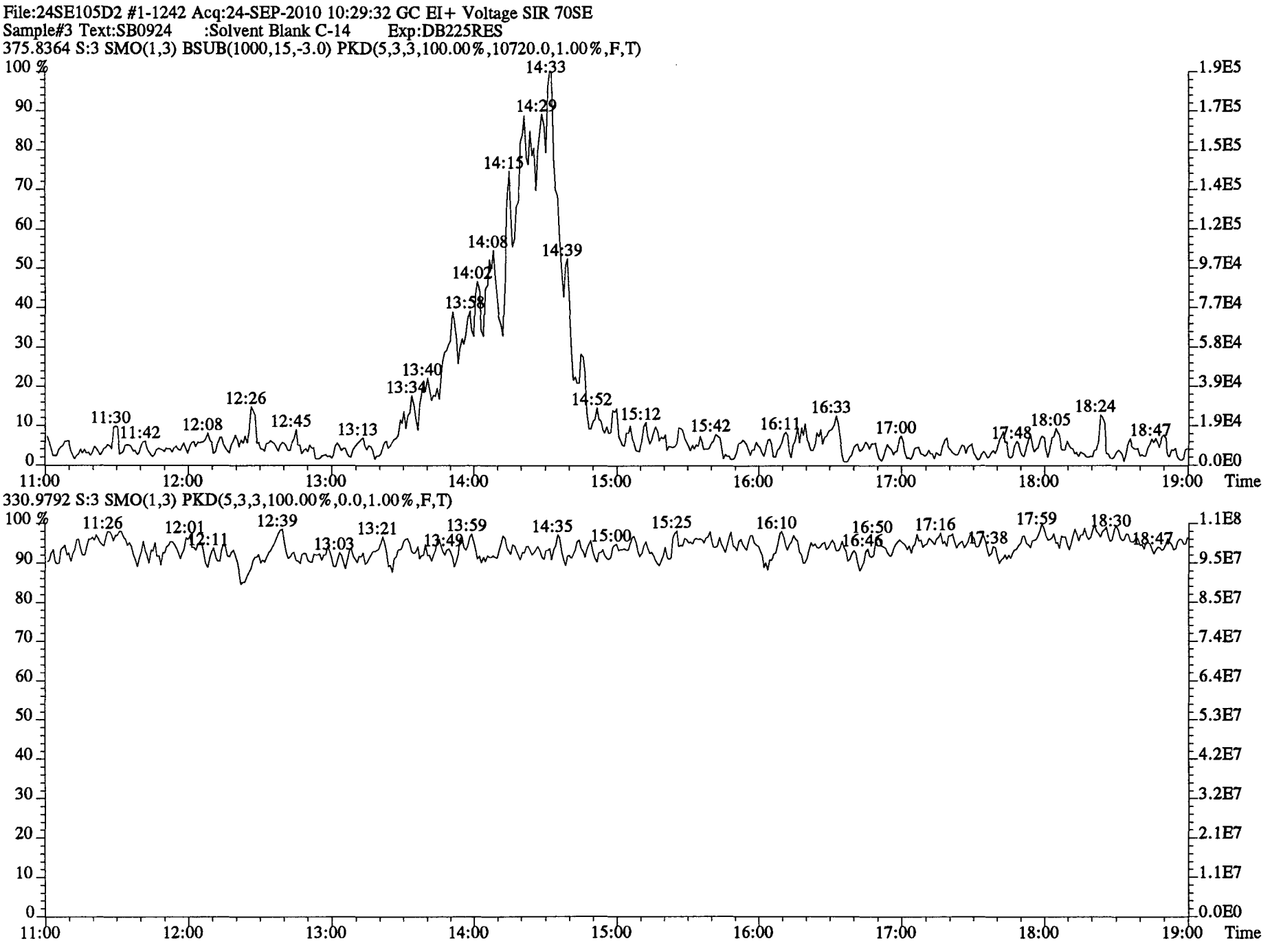


331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32200.0,1.00%,F,T)

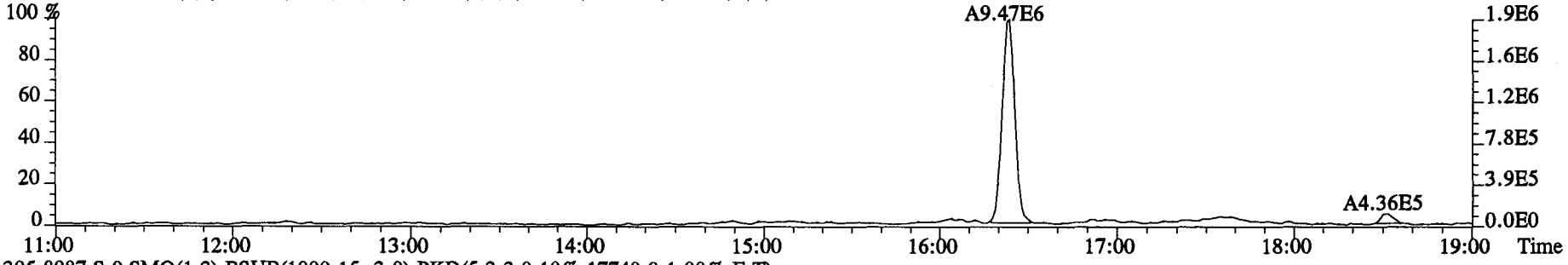


333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17180.0,1.00%,F,T)

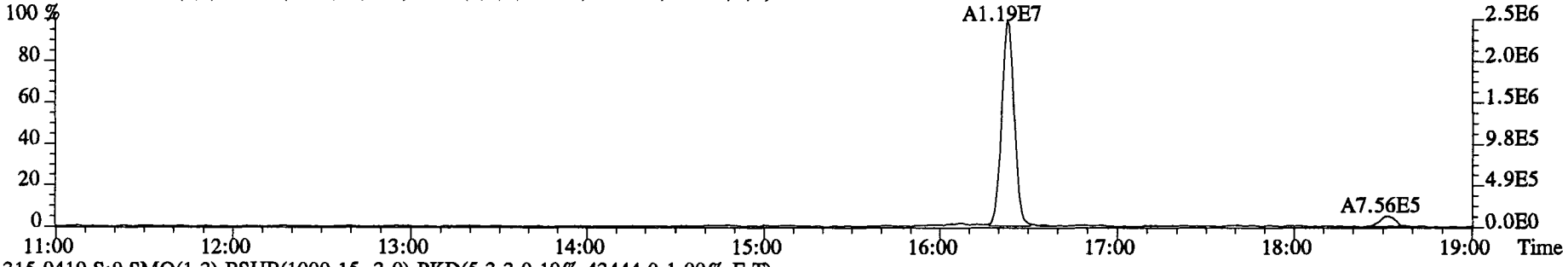




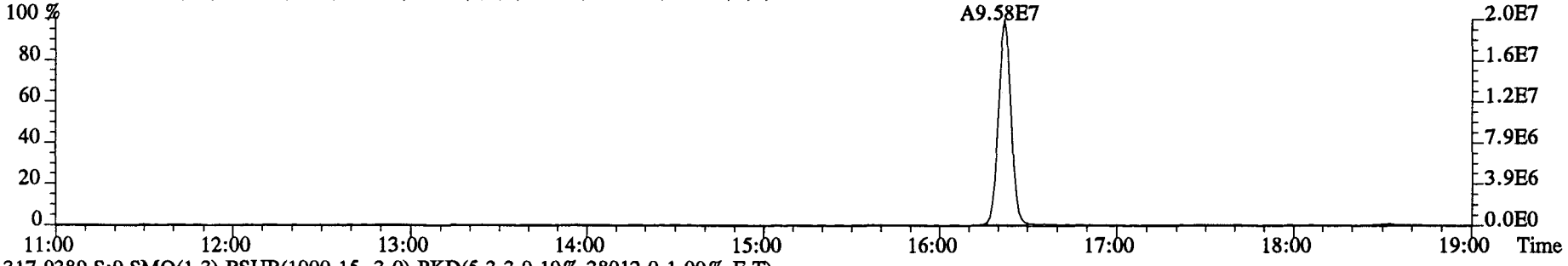
File:24SE105D2 #1-1242 Acq:24-SEP-2010 14:06:27 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0924A :CS3 10DXN417 Exp:DB225RES
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33088.0,1.00%,F,T)



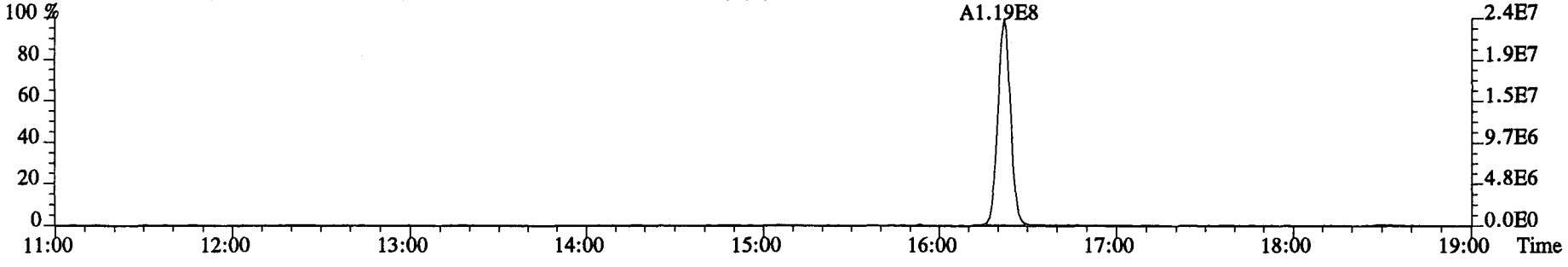
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17740.0,1.00%,F,T)



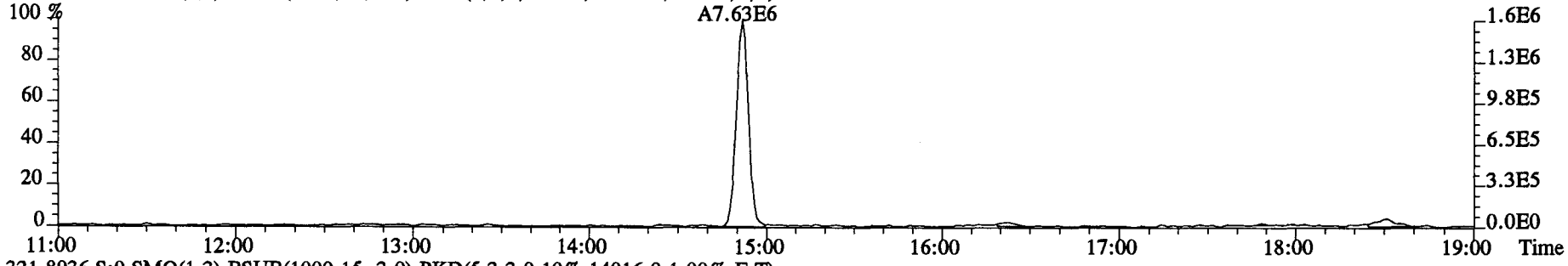
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43444.0,1.00%,F,T)

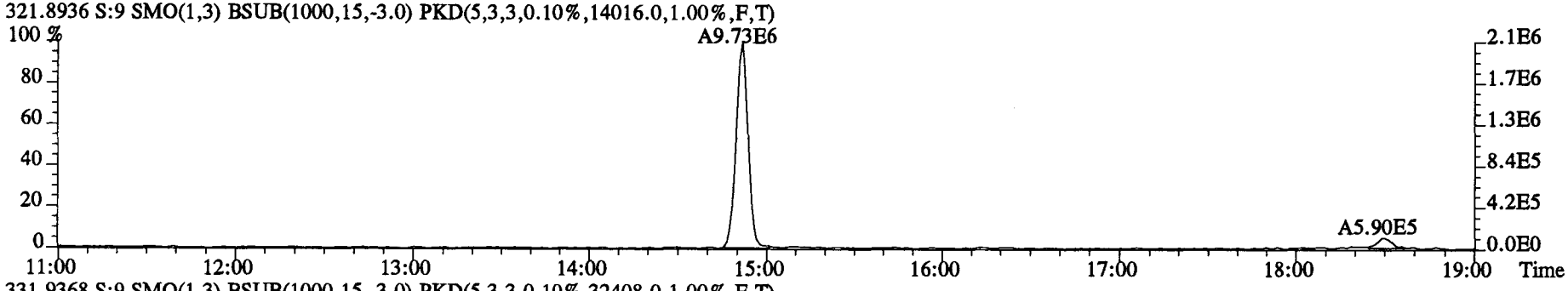


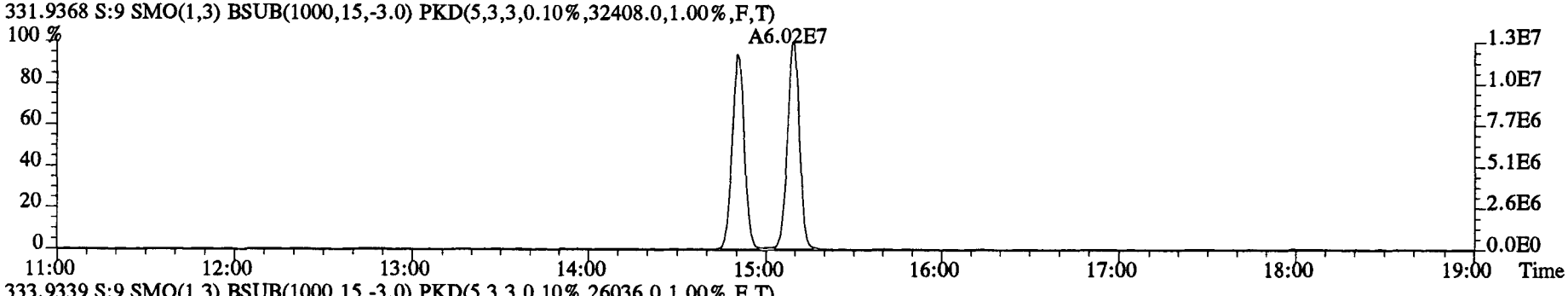
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38012.0,1.00%,F,T)

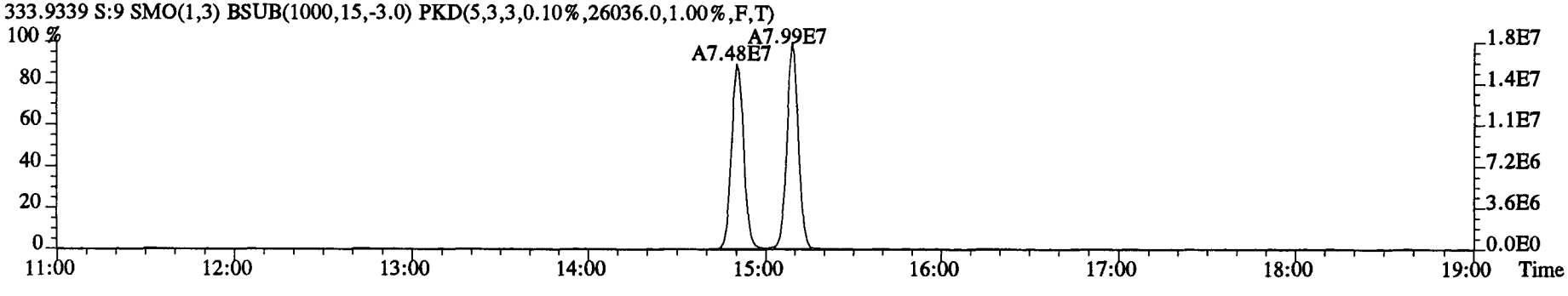


File:24SE105D2 #1-1242 Acq:24-SEP-2010 14:06:27 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0924A :CS3 10DXN417 Exp:DB225RES

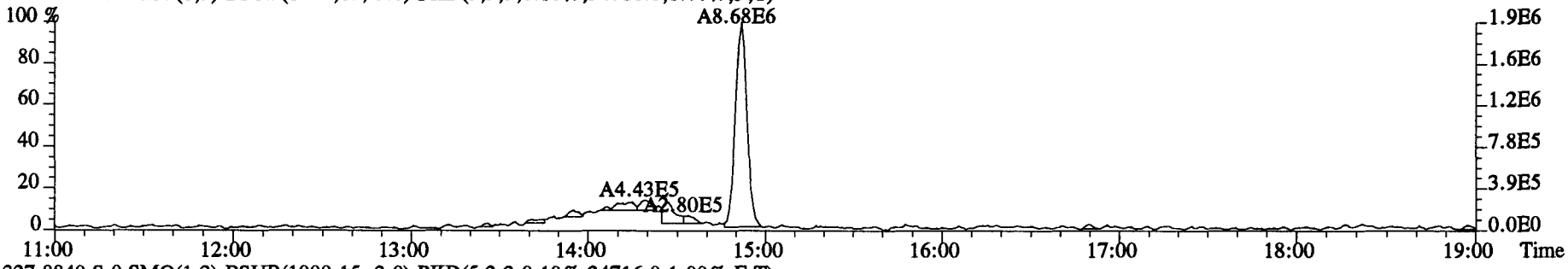




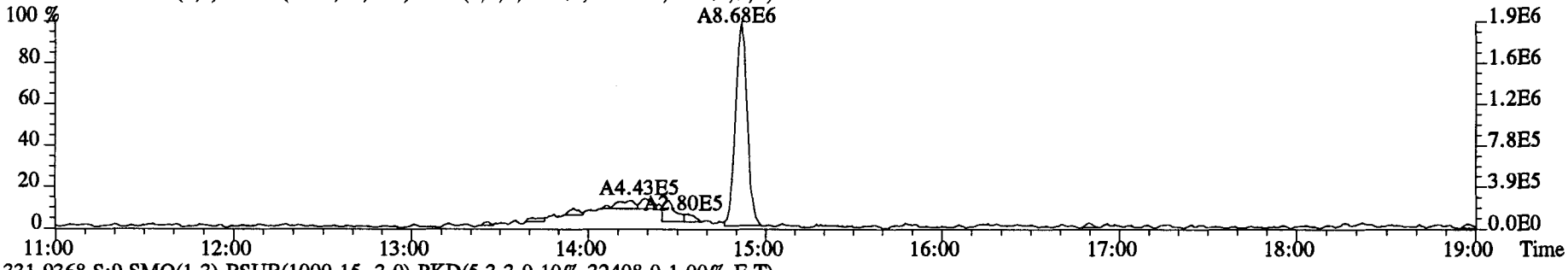




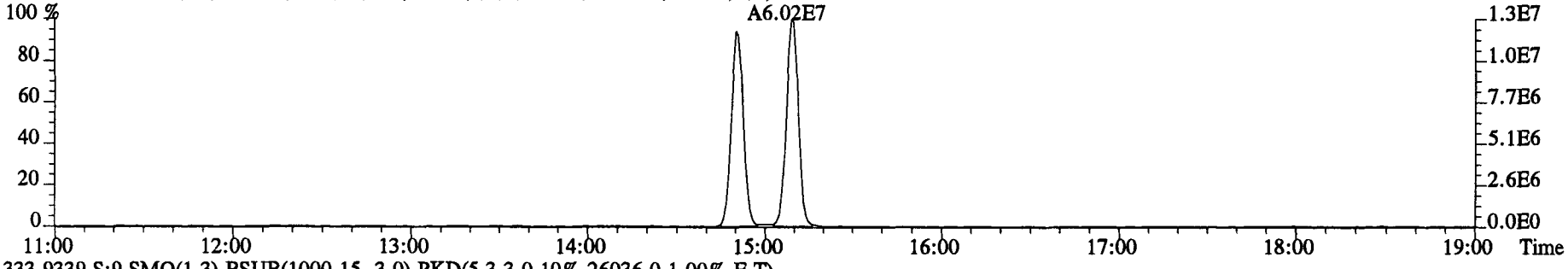
File:24SE105D2 #1-1242 Acq:24-SEP-2010 14:06:27 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0924A :CS3 10DXN417 Exp:DB225RES
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34716.0,1.00%,F,T)



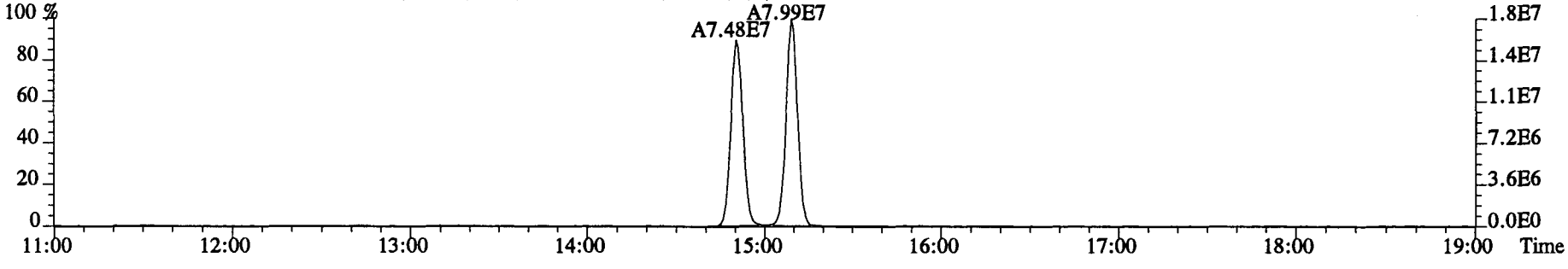
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34716.0,1.00%,F,T)



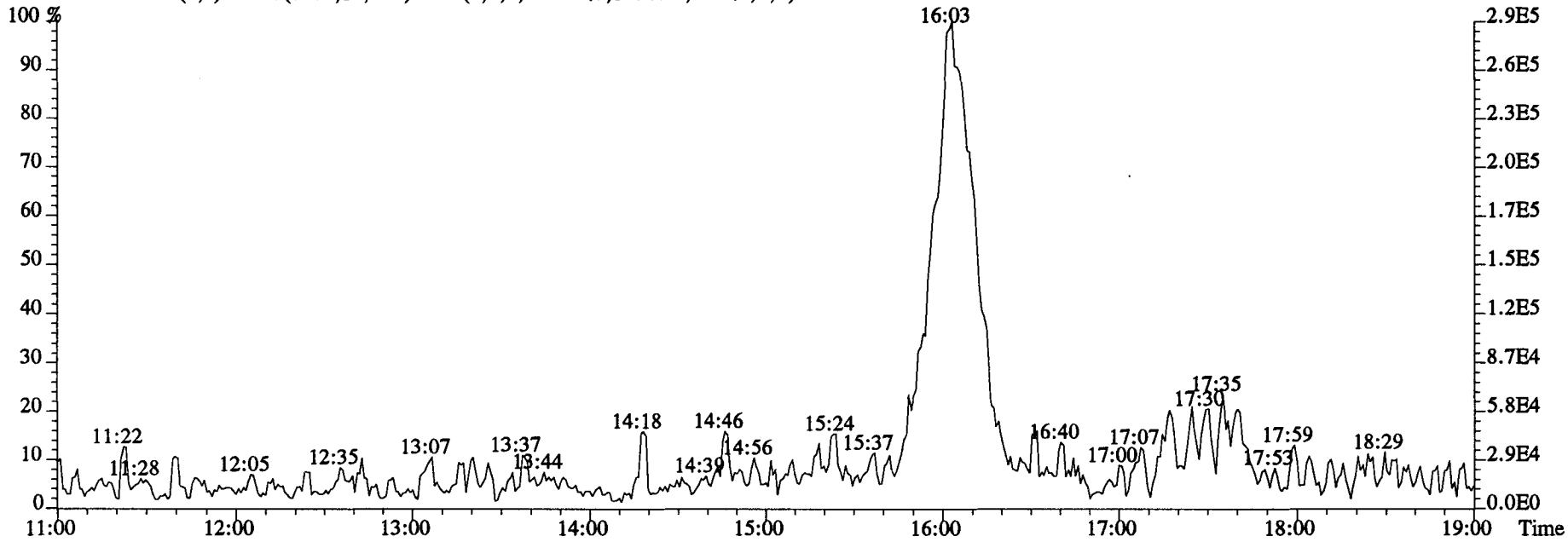
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32408.0,1.00%,F,T)



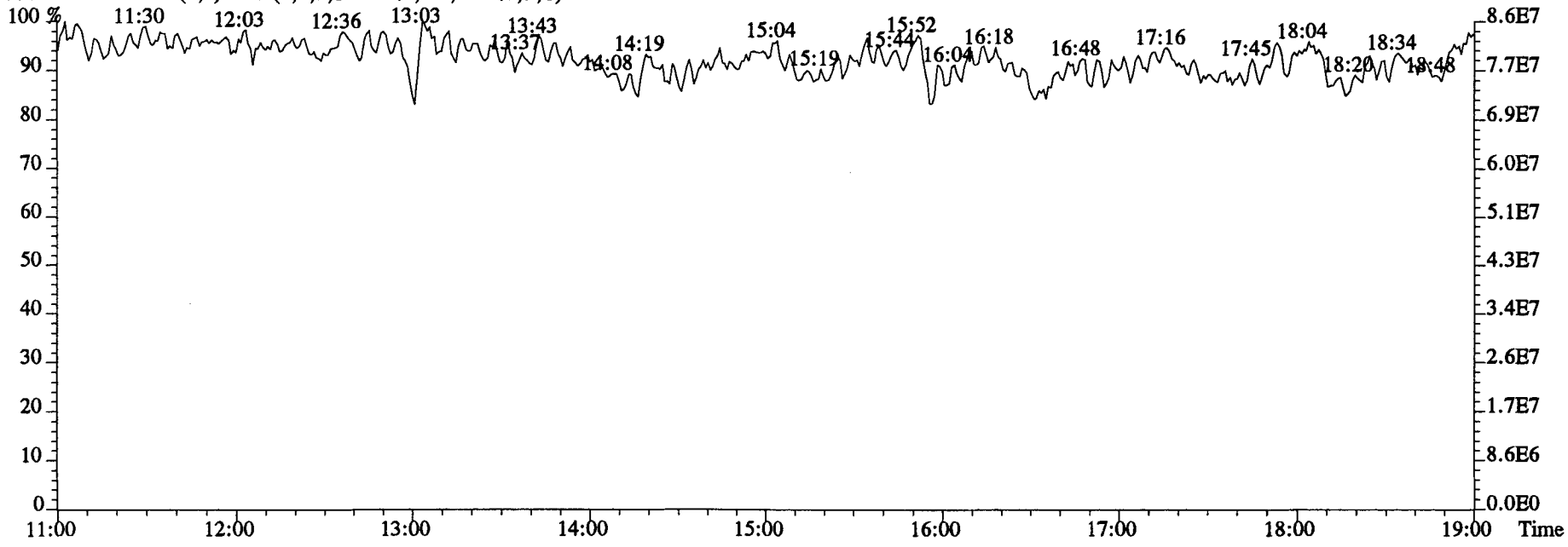
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26036.0,1.00%,F,T)



File:24SE105D2 #1-1242 Acq:24-SEP-2010 14:06:27 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0924A :CS3 10DXN417 Exp:DB225RES
375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,18740.0,1.00%,F,T)



330.9792 S:9 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

AK 9/15/10

ICAL ID (DB225, DB225AIR)072610SD2R

Method ID 8290, 1613B, 23, 0023A, TO9, Texas, 8290A 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 10DXN342, 10DXN335, 10DXN336 10DXN337

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

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

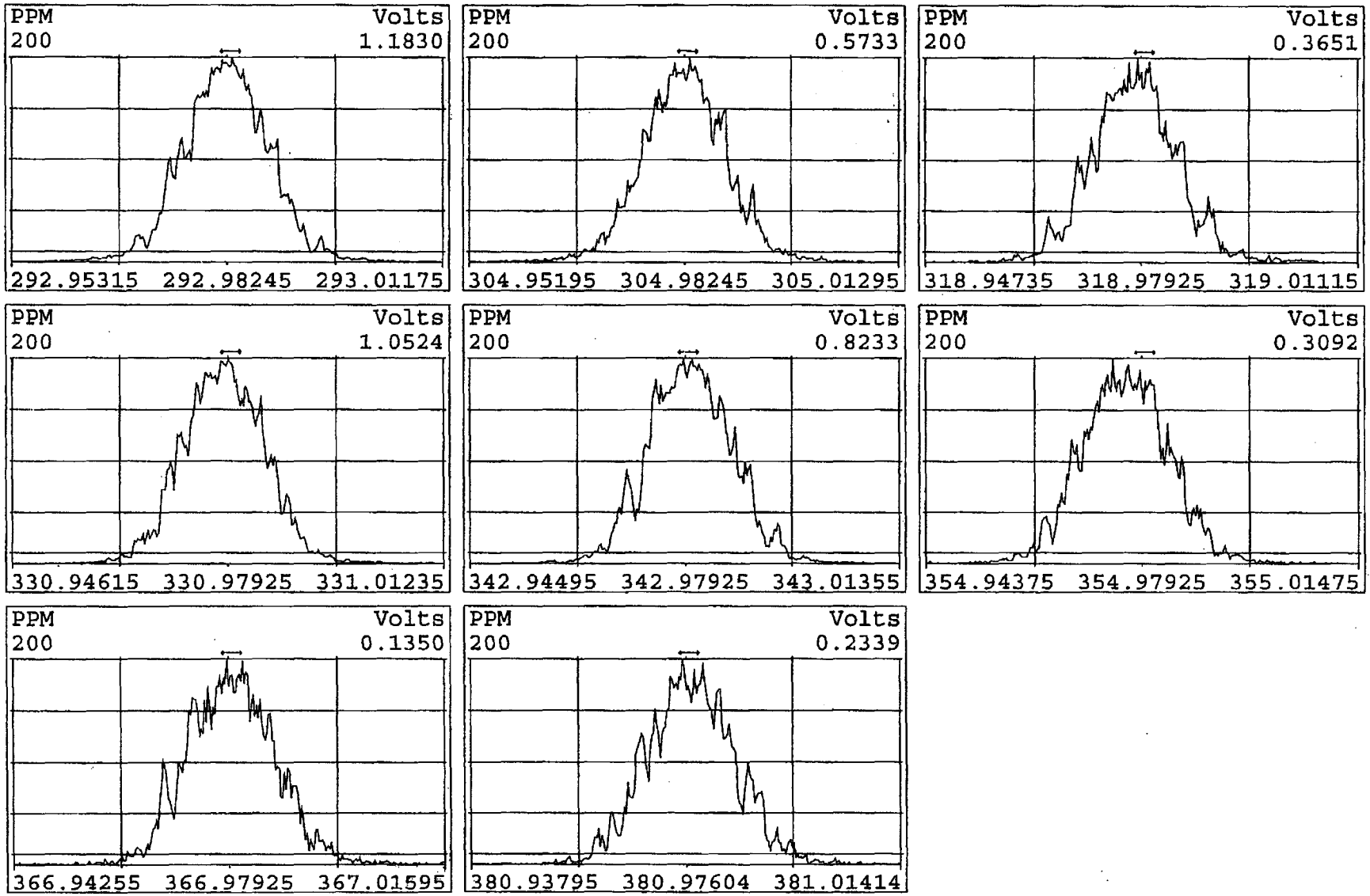
Run #5 Filename 26JL105D2 S: 8 I: 1
Acquired: 26-JUL-10 12:33:16 Processed: 15-SEP-10 09:51:13
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:
Sample text: ST0726D :CS-5 10DXN339

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

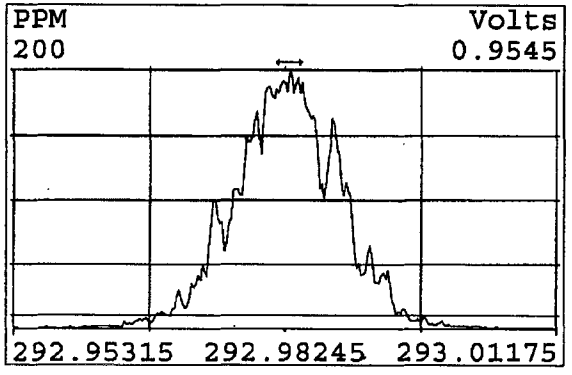
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
26JL105D2	1	CP0726	DB-225 CPSM 3732-06				1.0000	
26JL105D2	2	SB0726	Solvent Blank C-14				1.0000	
26JL105D2	3	ST0726	CS-0.2 10DXN333				1.0000	
26JL105D2	4	ST0726A	CS-1 10DXN342				1.0000	
26JL105D2	5	ST0726B	CS-2 10DXN335				1.0000	
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	

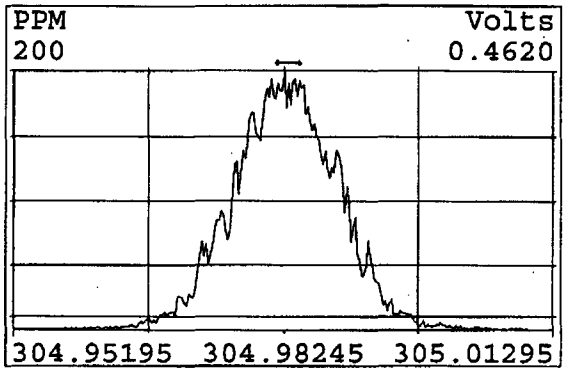
logfile v'd
NK 7/26/10

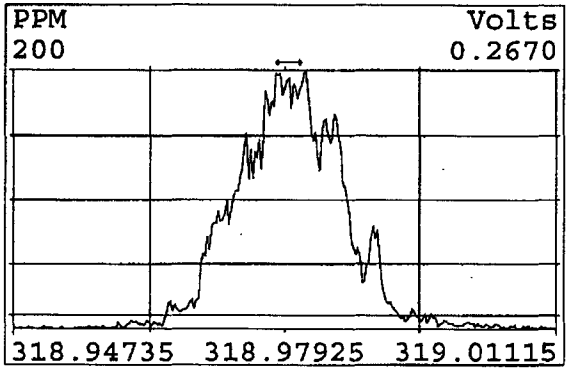
Peak Locate Examination:26-JUL-2010:08:17 File:26JL105D2
Experiment:DB225RES Function:1 Reference:PFK

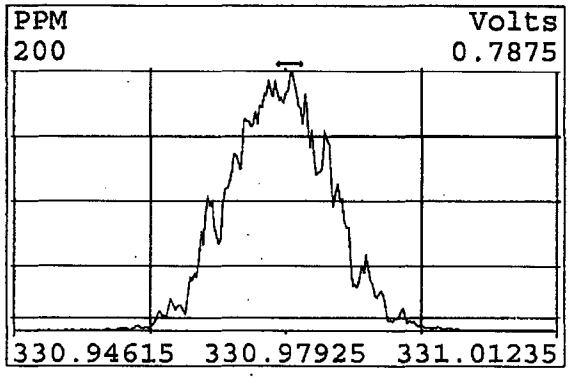


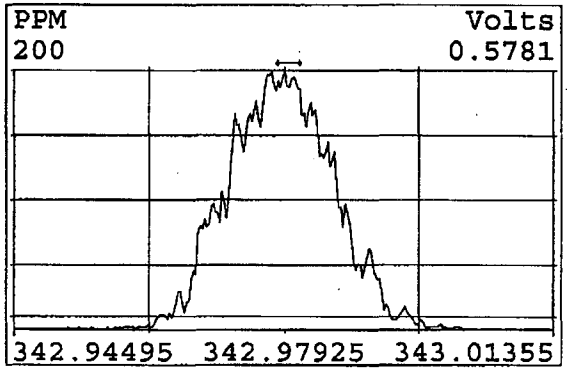
Peak Locate Examination:26-JUL-2010:14:43 File:26JL105D2ENDRES
Experiment:DB225RES Function:1 Reference:PFK

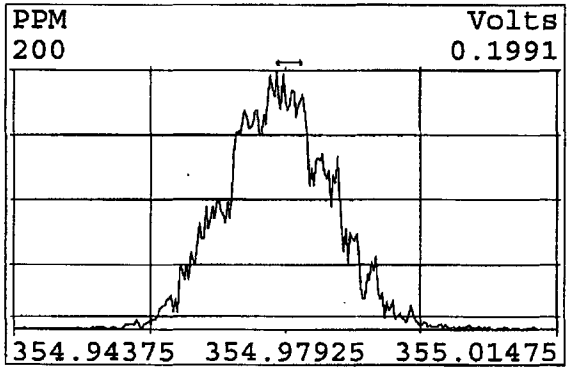


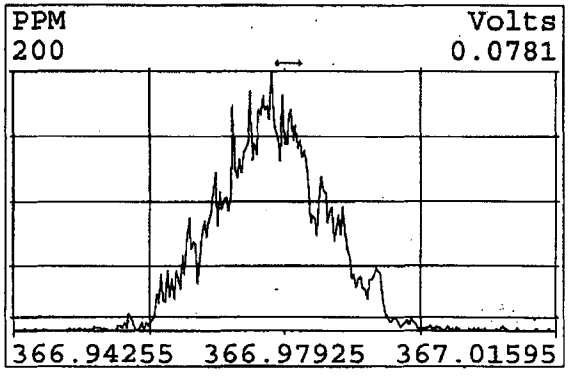


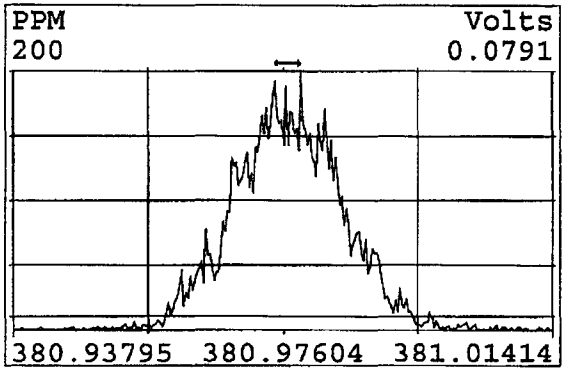




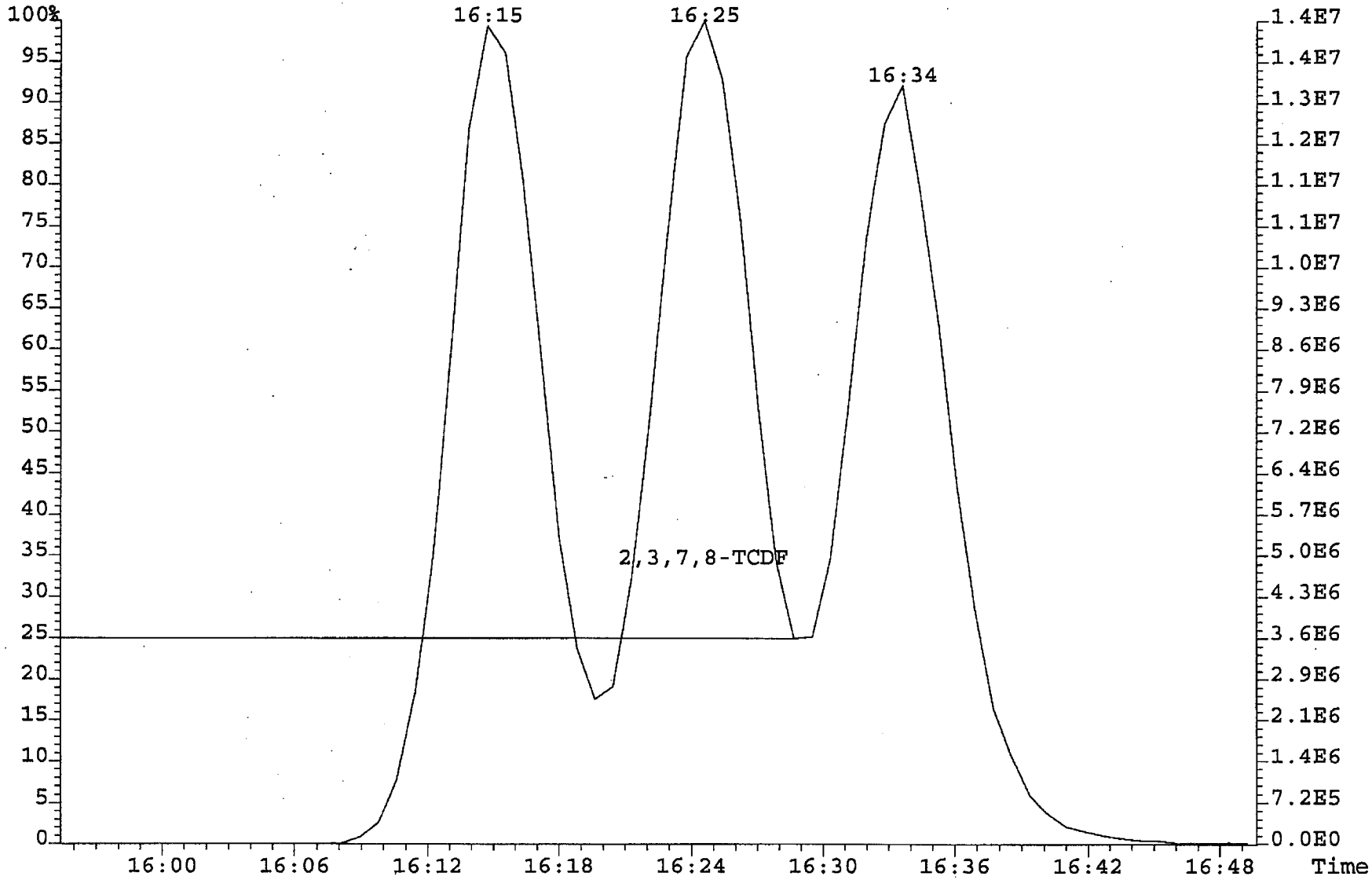








File:26JL105D2 #1-720 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
303.9016 BSUB(128,15,-3.0) Exp:DB225RES Noise:1410

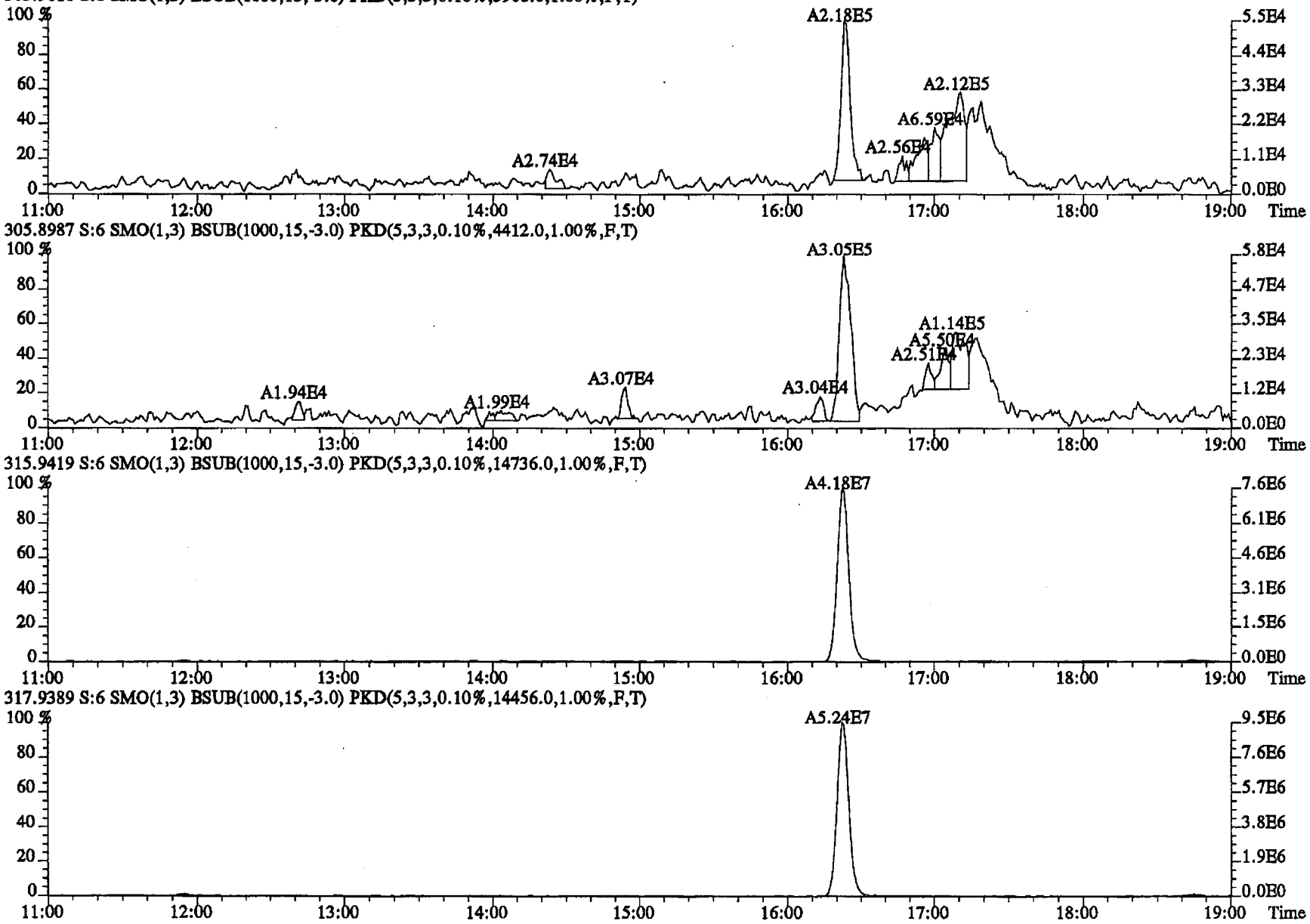


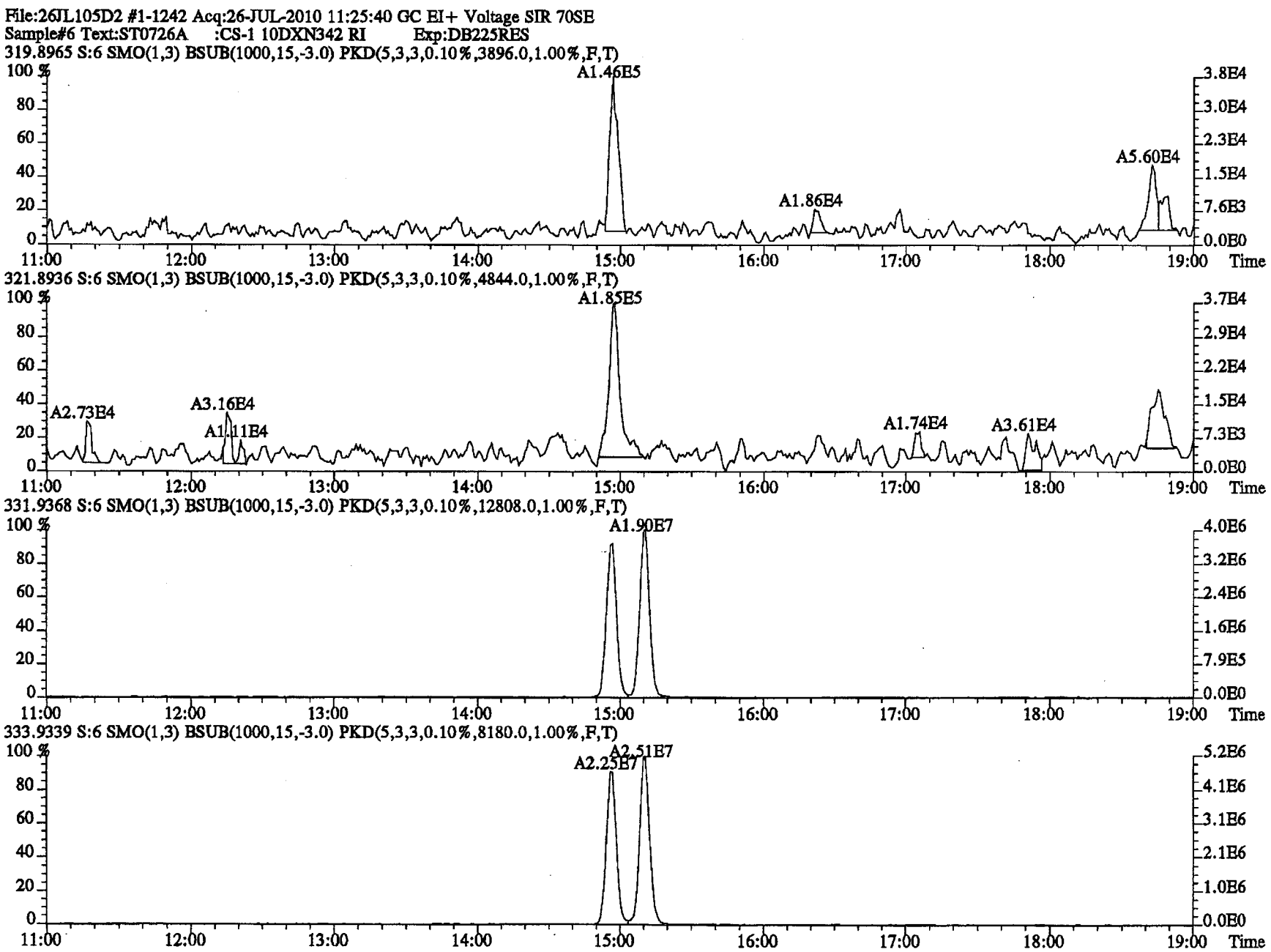
Run text: ST0726F Sample text: ST0726F :2nd Source 10DXN340
Run #6 Filename: 26JL105D2 S: 10 I: 1 Results: 26JL105D2DB225
Acquired: 26-JUL-10 13:40:52 Processed: 26-JUL-10 14:33:34
Run: 26JL105D2 Analyte: DB225 Cal: DB2250726105D2
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

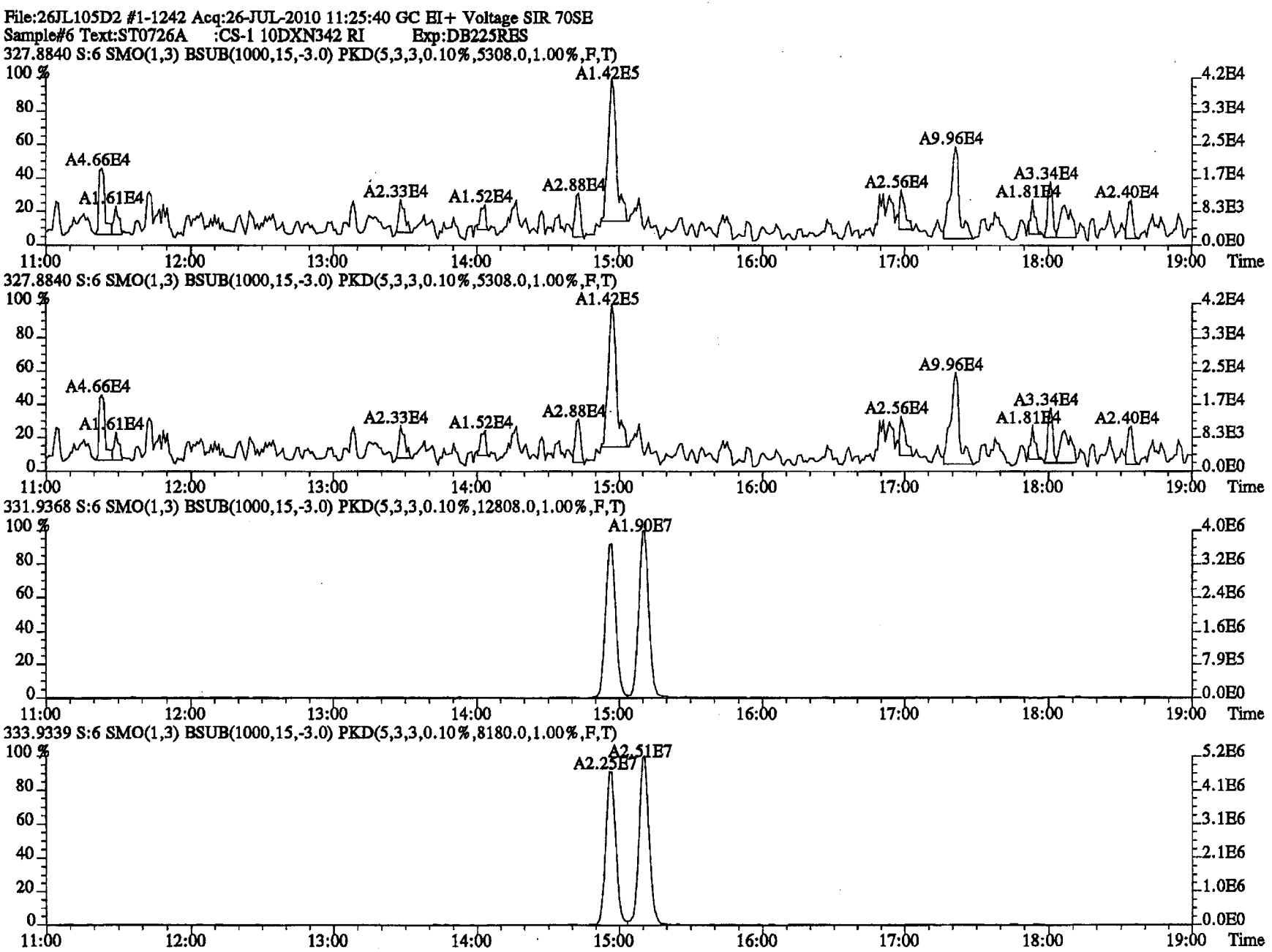
Spiked @ 200 7/26/10 ESS

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

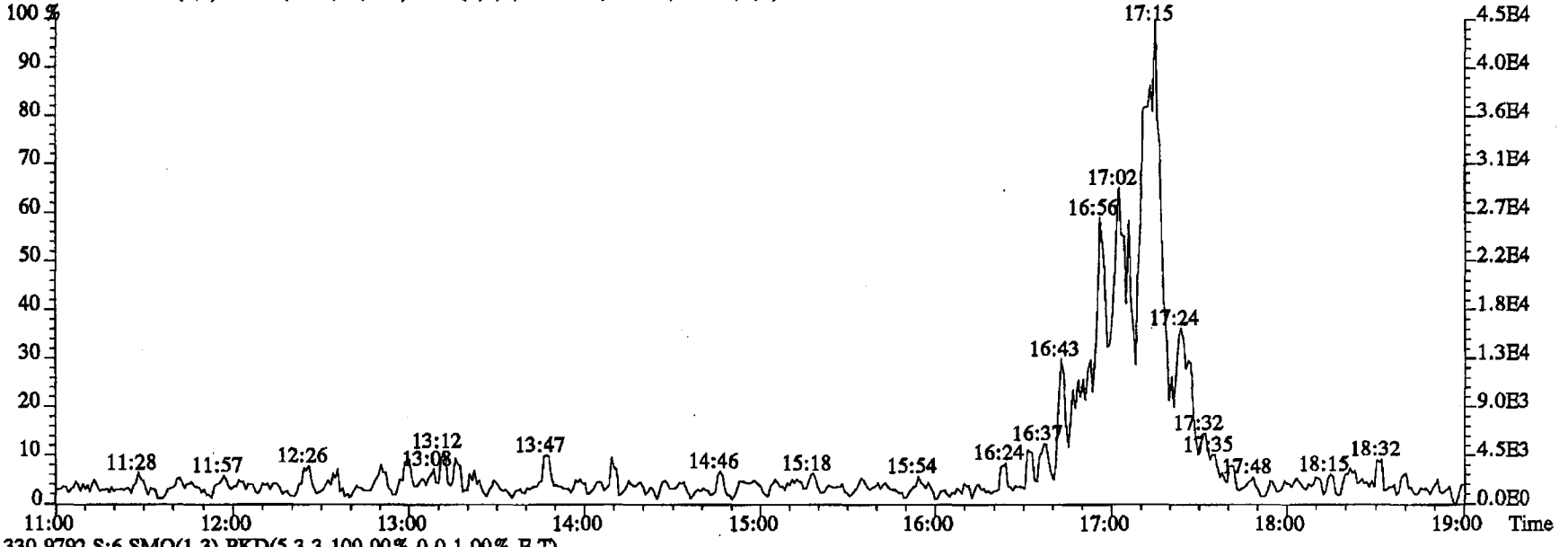
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:25:40 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0726A :CS-1 10DXN342 RI Exp:DB225RES



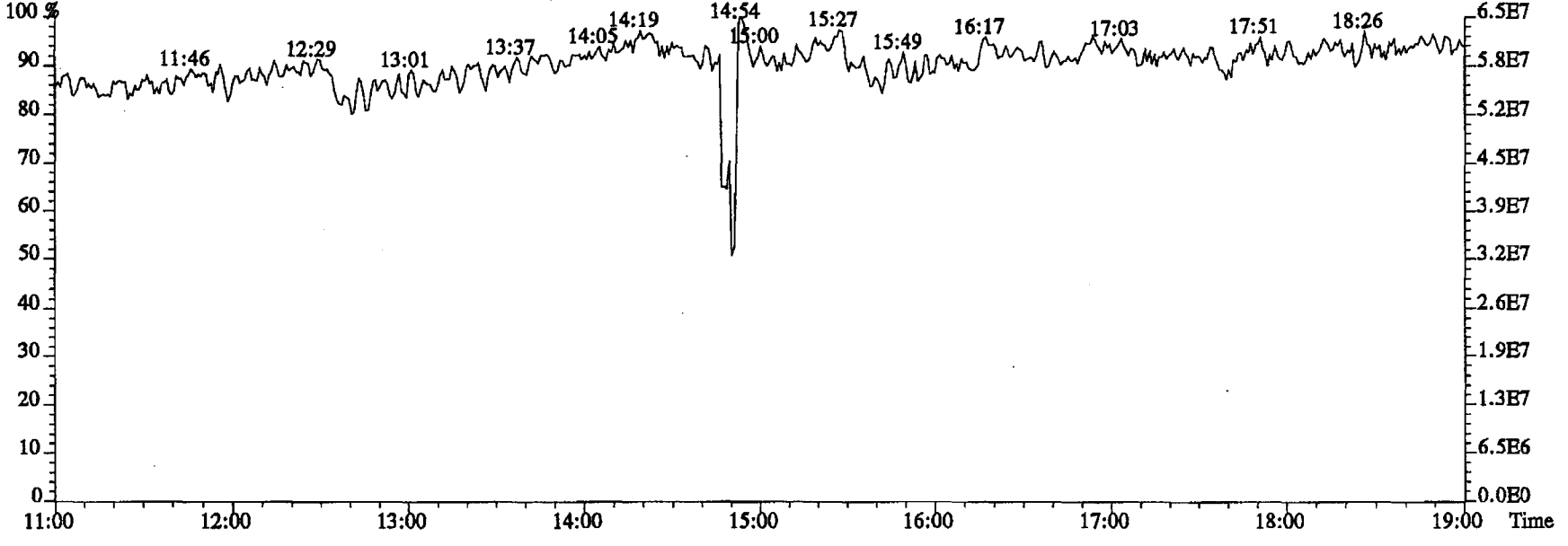




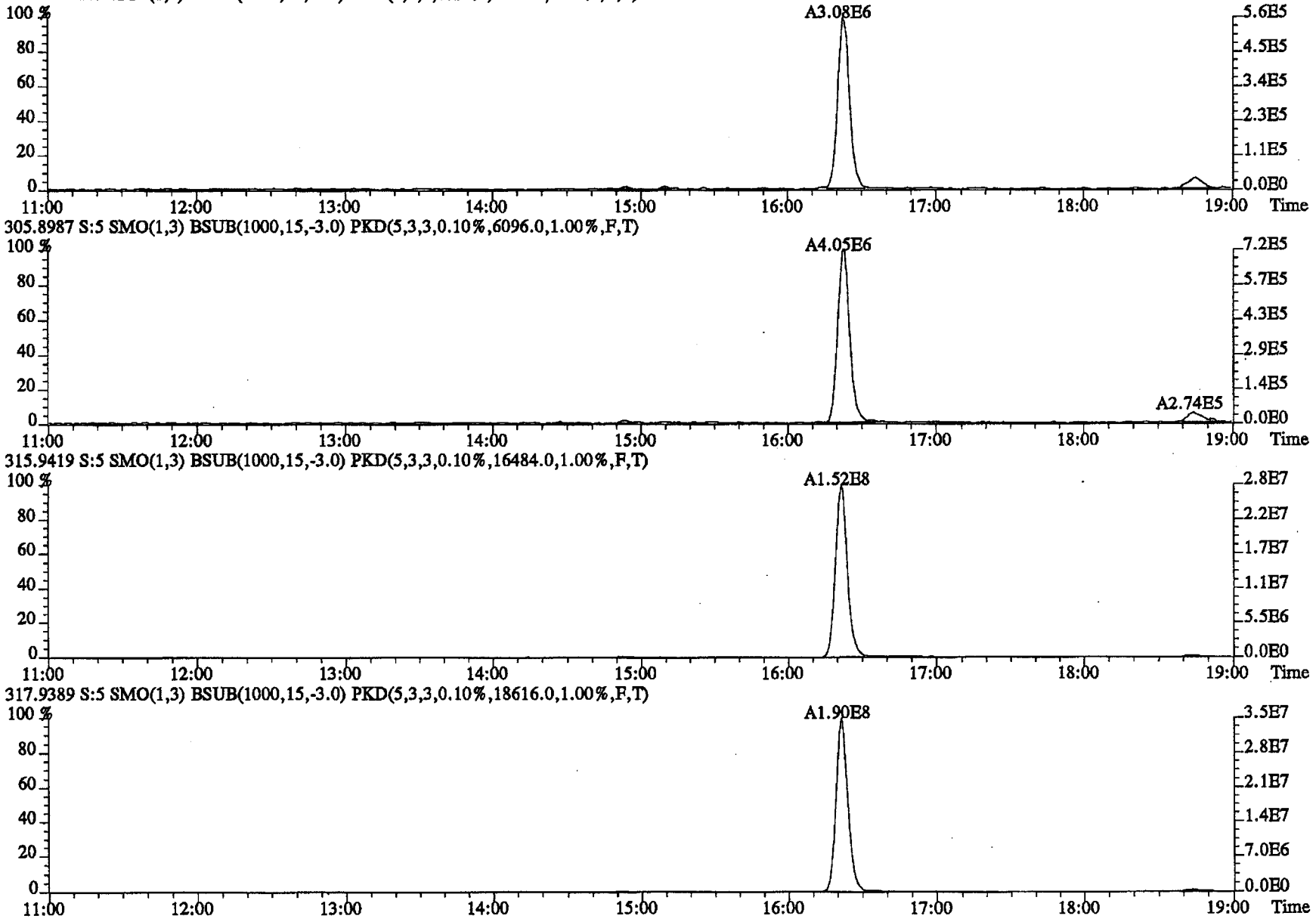
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:25:40 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0726A :CS-1 10DXN342 RI Exp:DB225RES
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1976.0,1.00%,F,T)

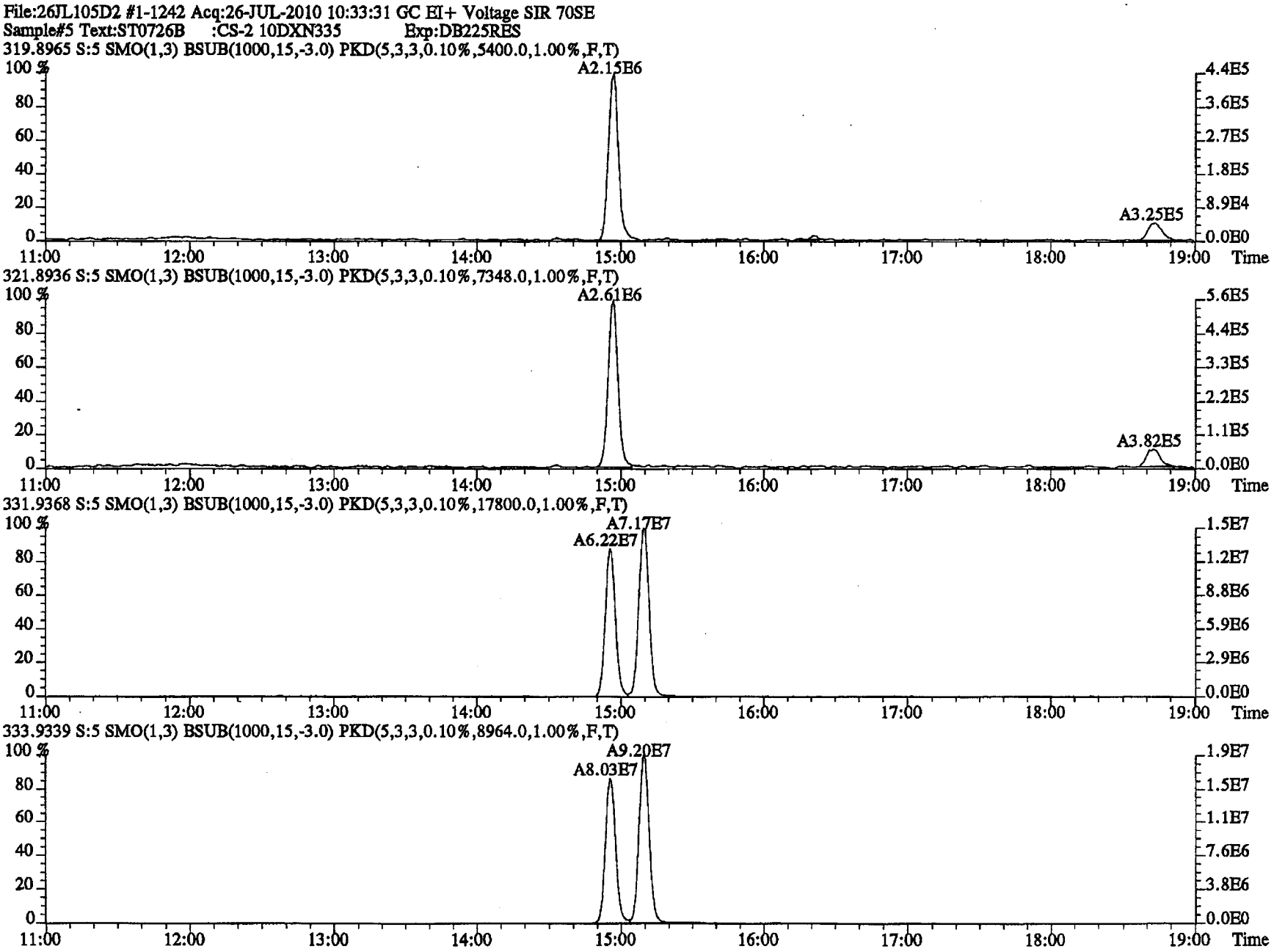


330.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

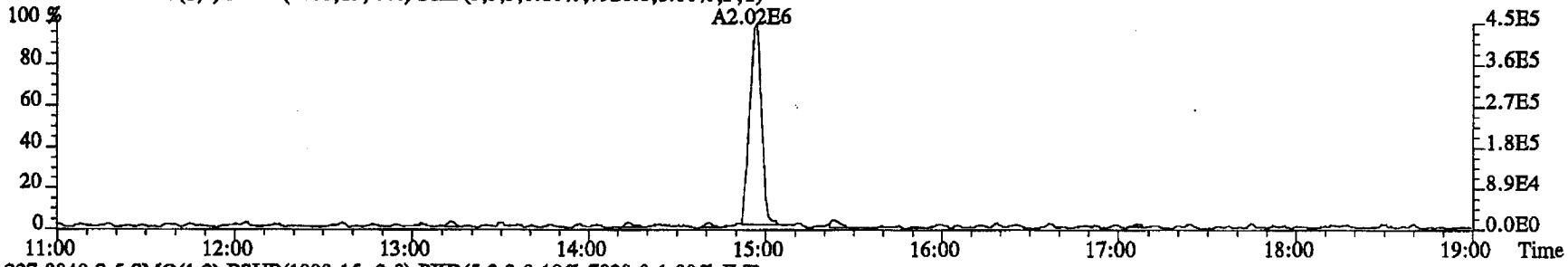


File:26JL105D2 #1-1242 Acq:26-JUL-2010 10:33:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0726B :CS-2 10DXN335 Exp:DB225RES

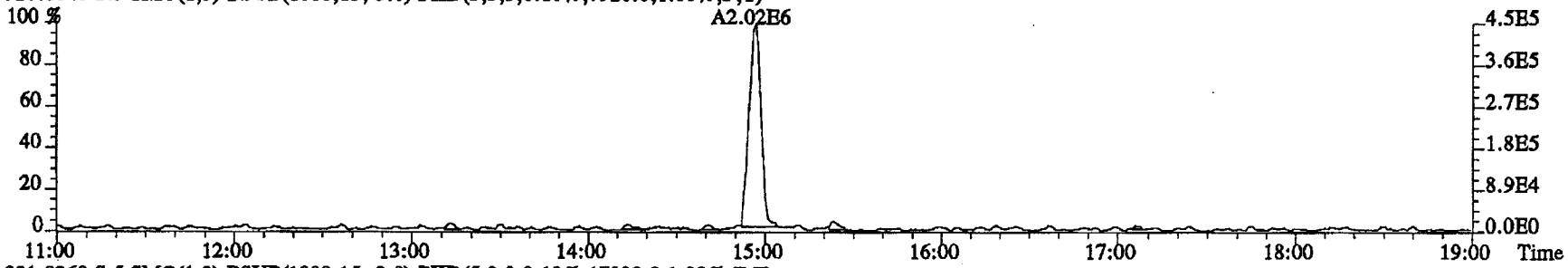




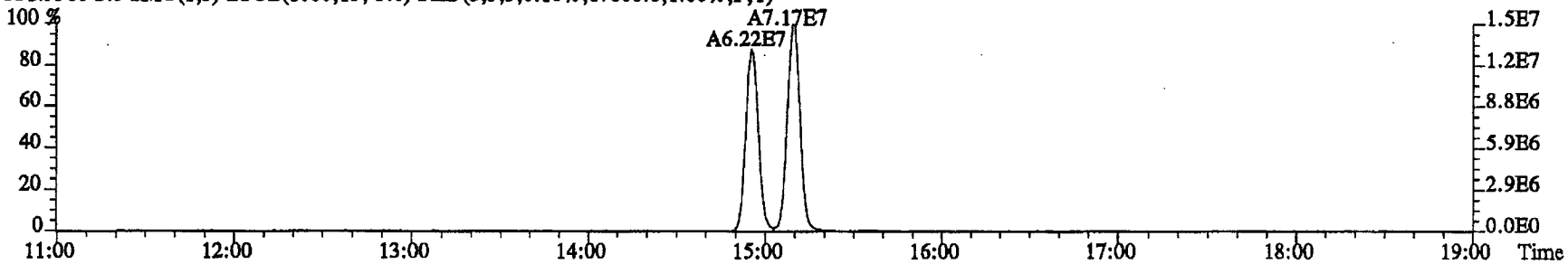
File:26JL105D2 #1-1242 Acq:26-JUL-2010 10:33:31 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0726B :CS-2 10DXN335 Exp:DB225RES
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920.0,1.00%,F,T)



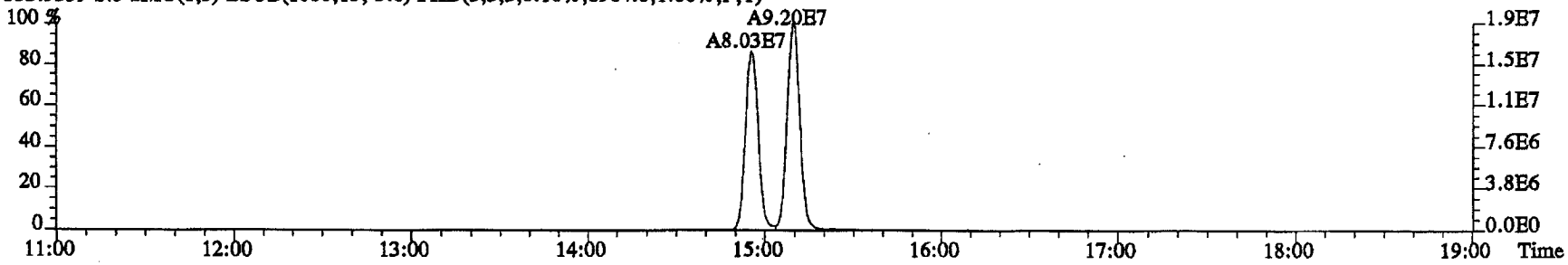
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920.0,1.00%,F,T)



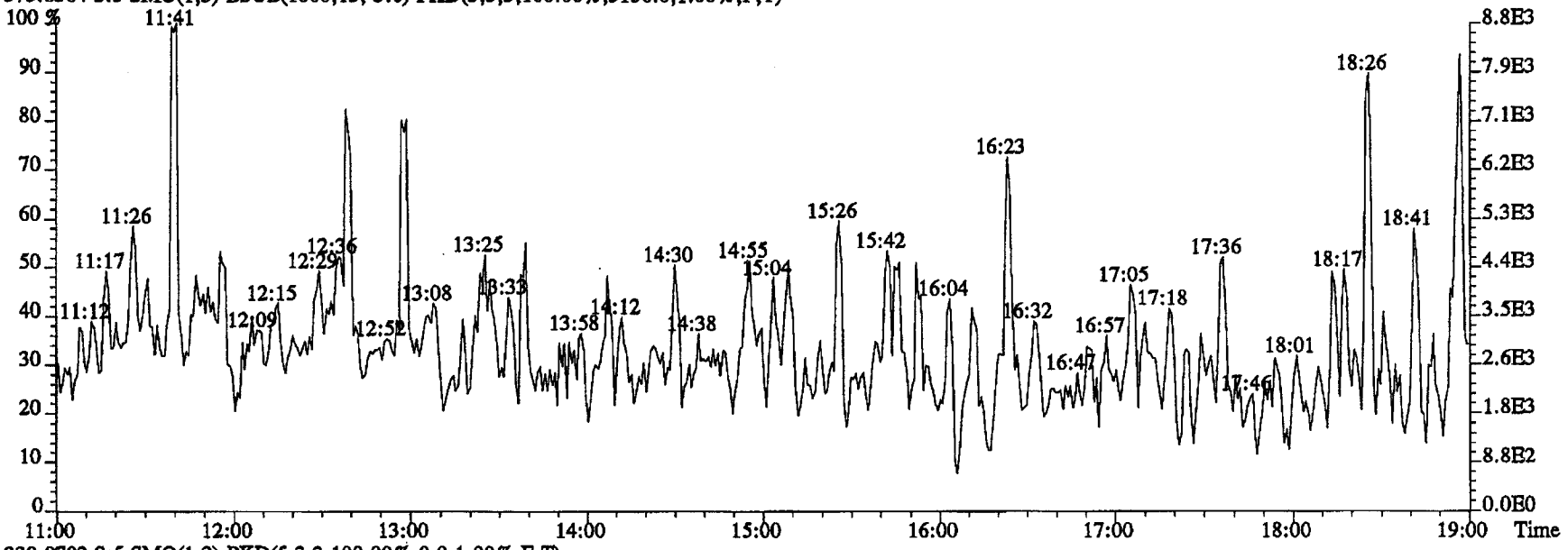
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17800.0,1.00%,F,T)



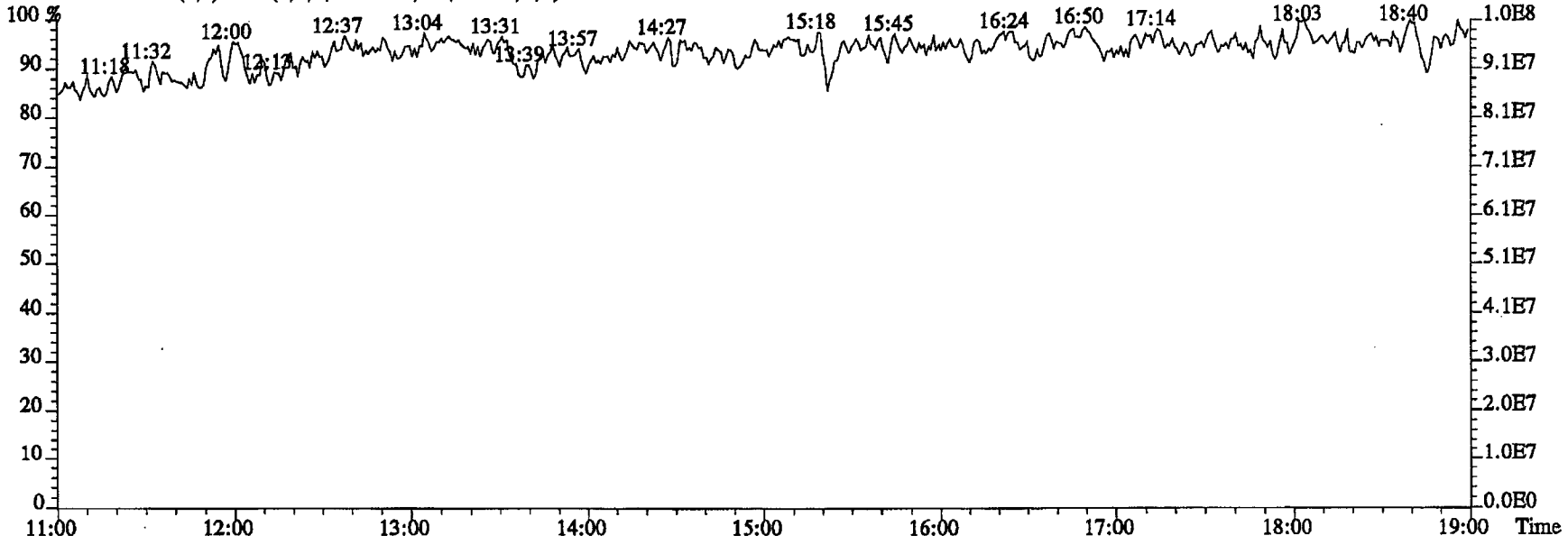
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8964.0,1.00%,F,T)



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)

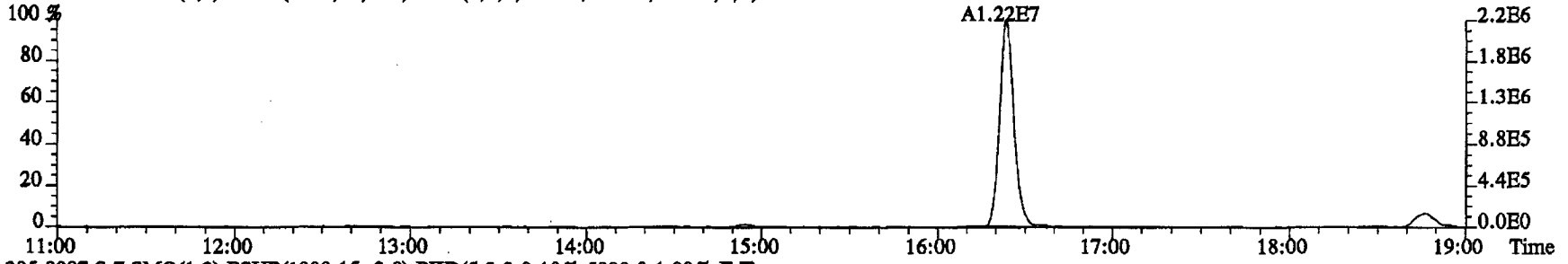


330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

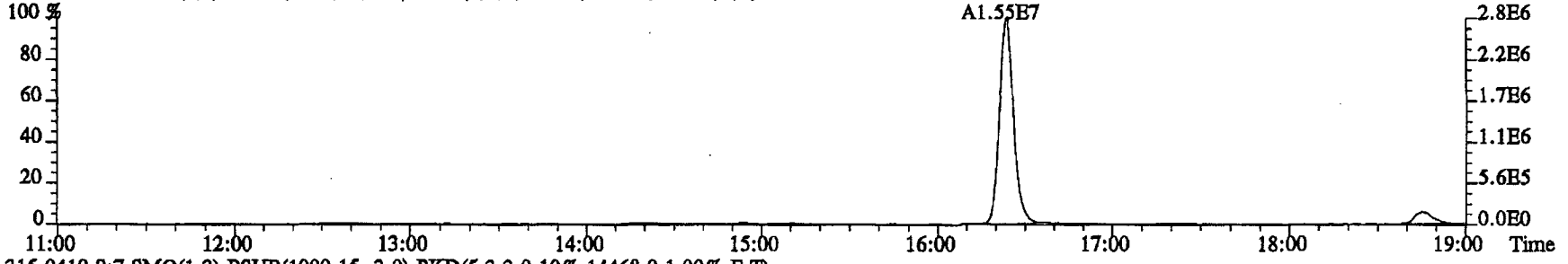


File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES

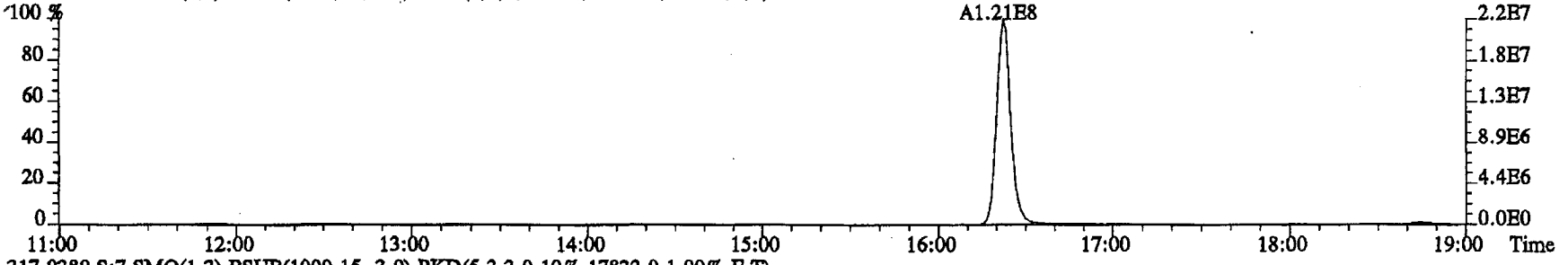
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3660.0,1.00%,F,T)



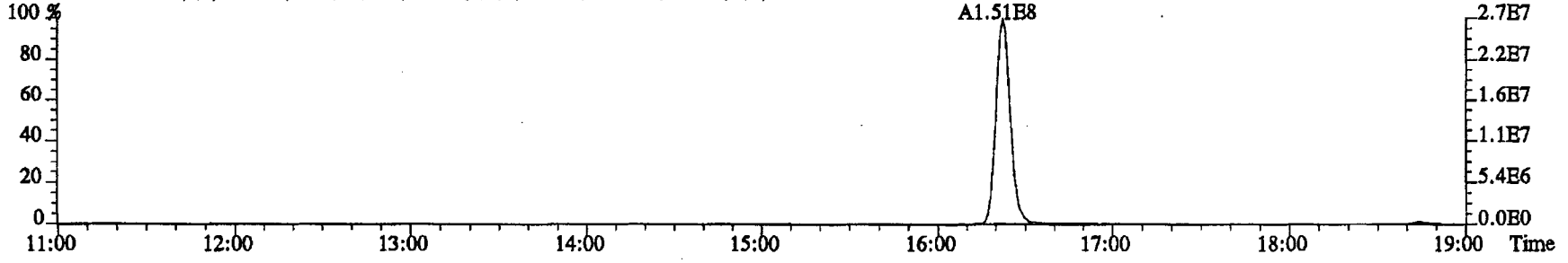
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5000.0,1.00%,F,T)



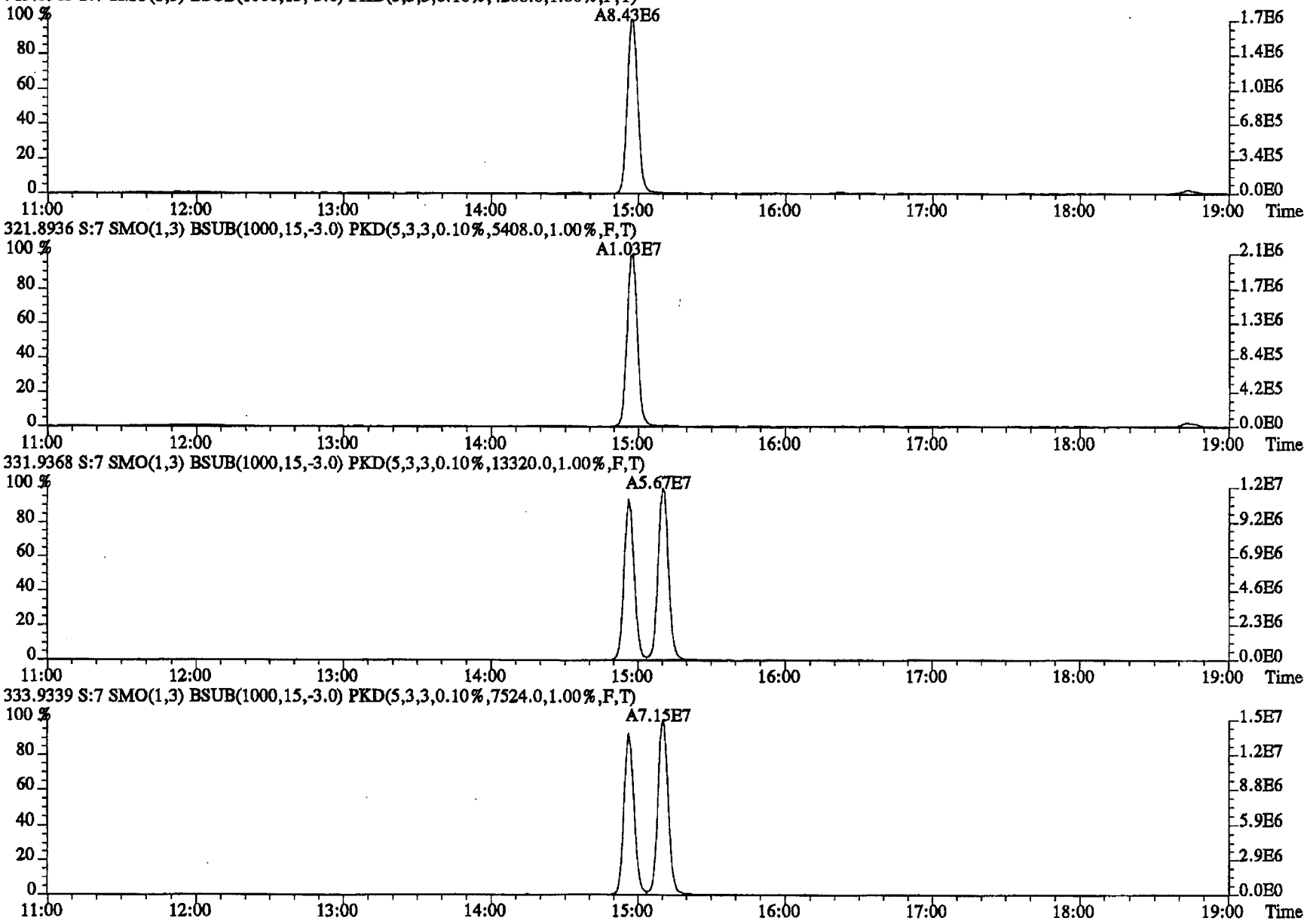
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14468.0,1.00%,F,T)



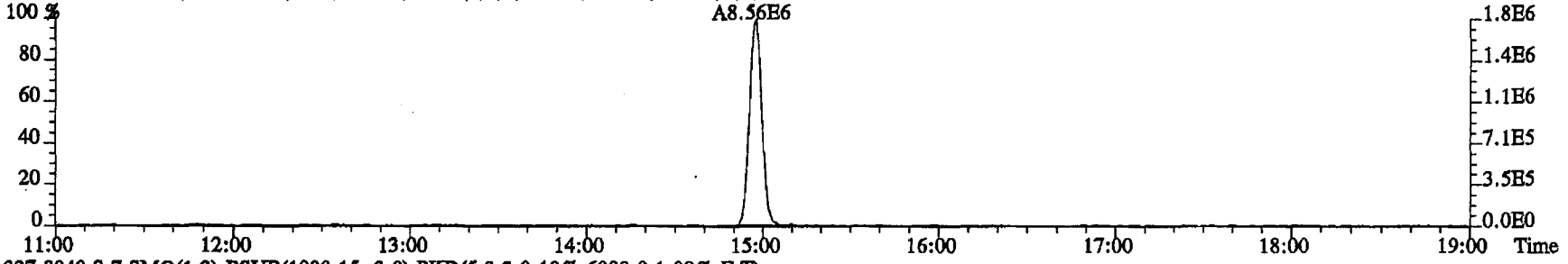
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17832.0,1.00%,F,T)



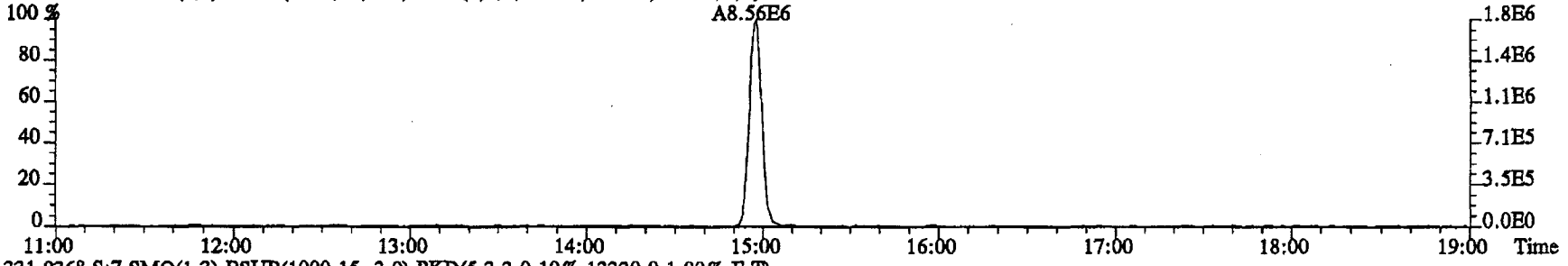
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES



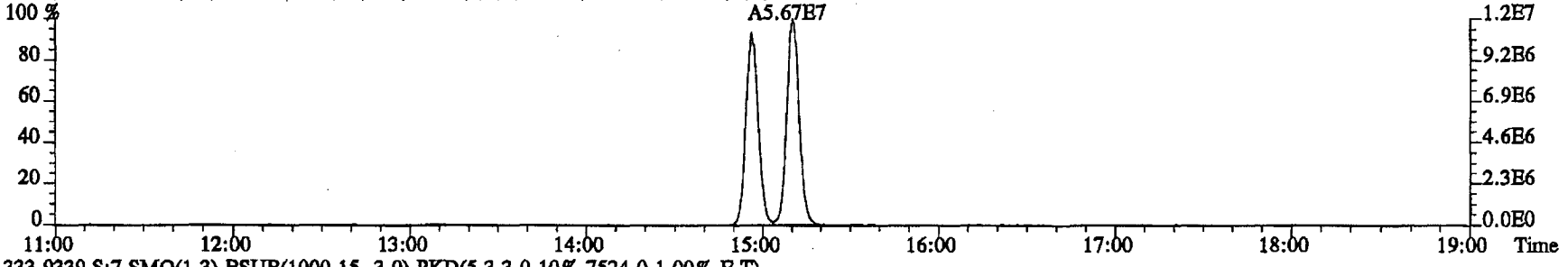
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6008.0,1.00%,F,T)



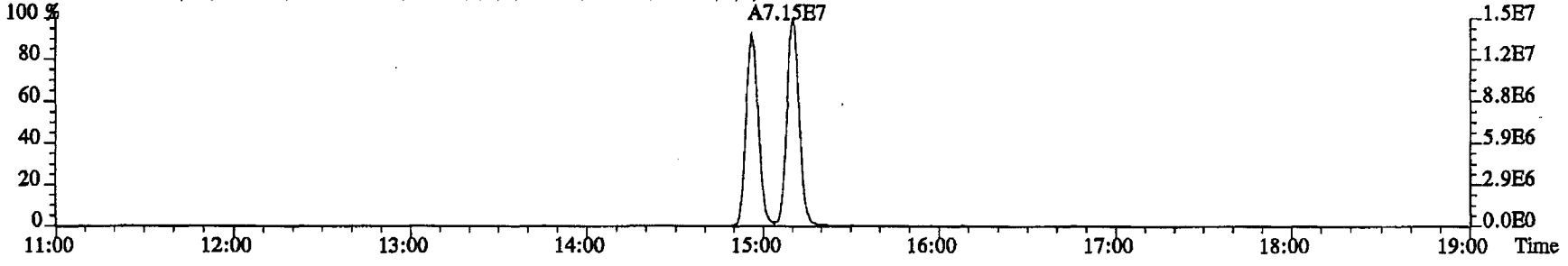
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6008.0,1.00%,F,T)



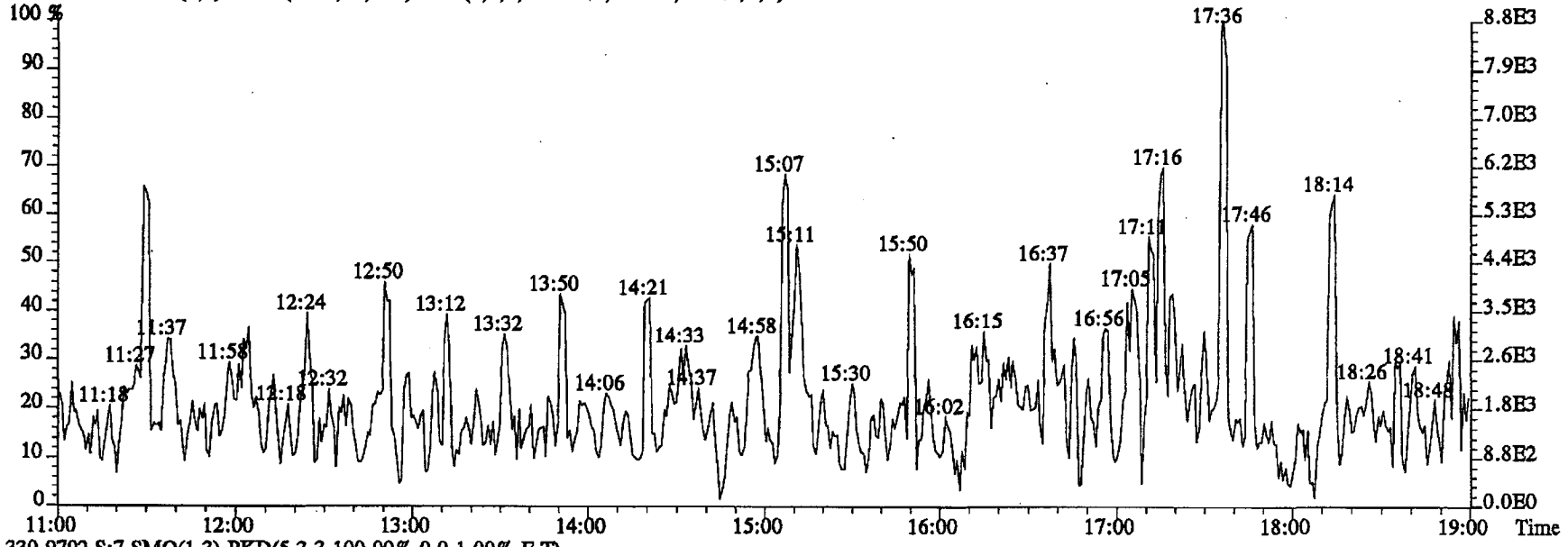
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13320.0,1.00%,F,T)



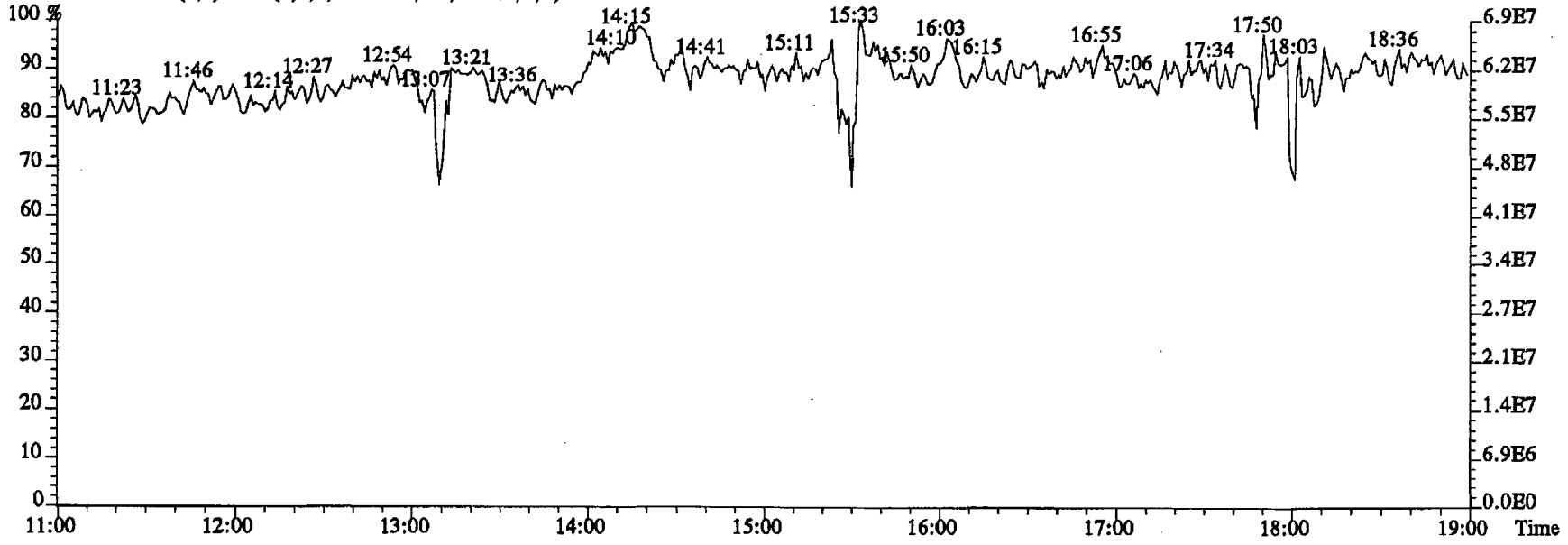
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7524.0,1.00%,F,T)



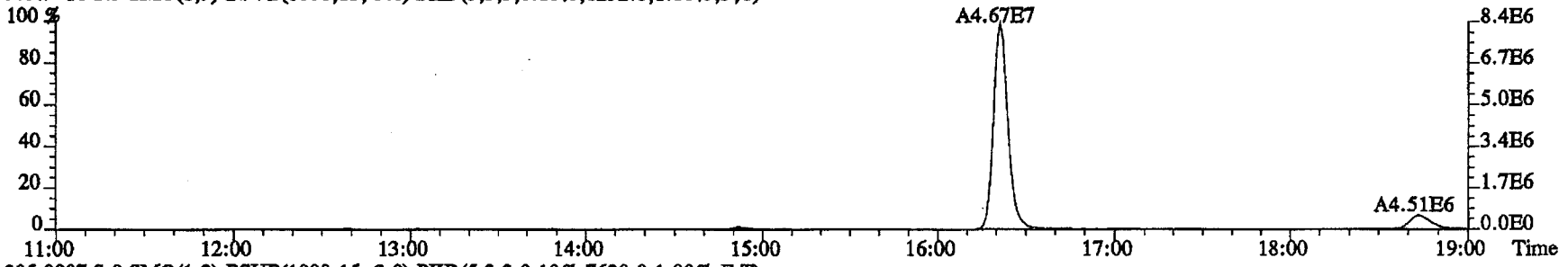
File:26JL105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2000.0,1.00%,F,T)



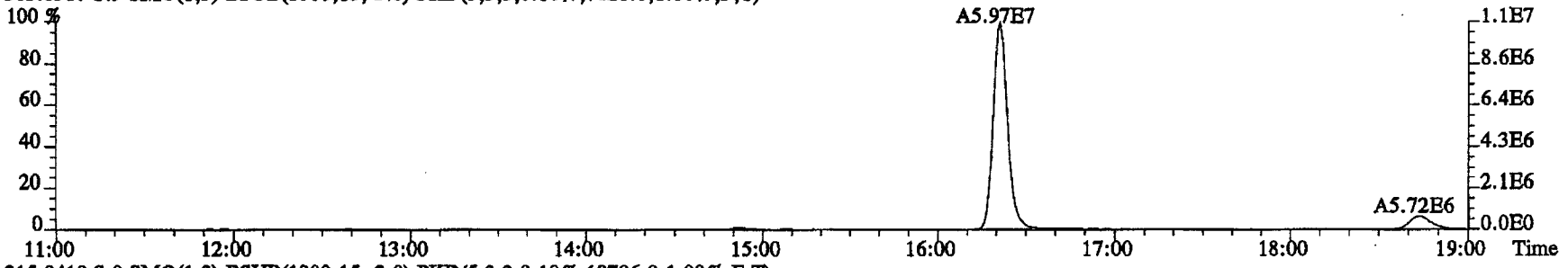
330.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



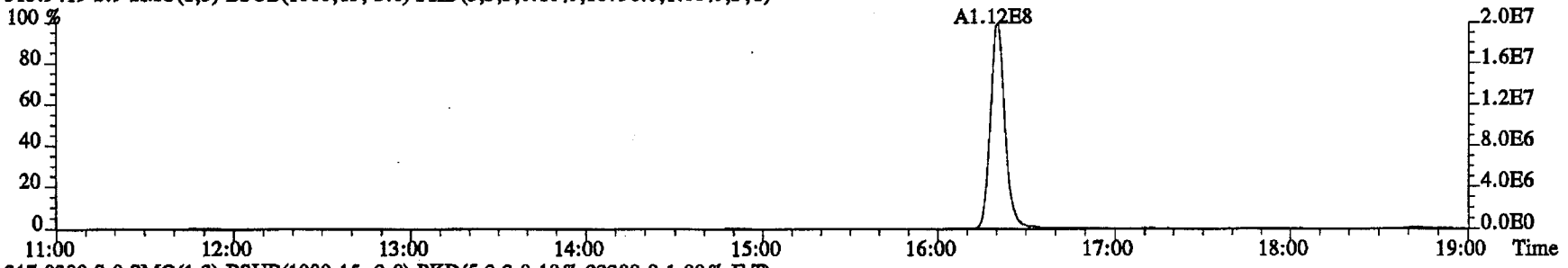
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB225RES
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6232.0,1.00%,F,T)



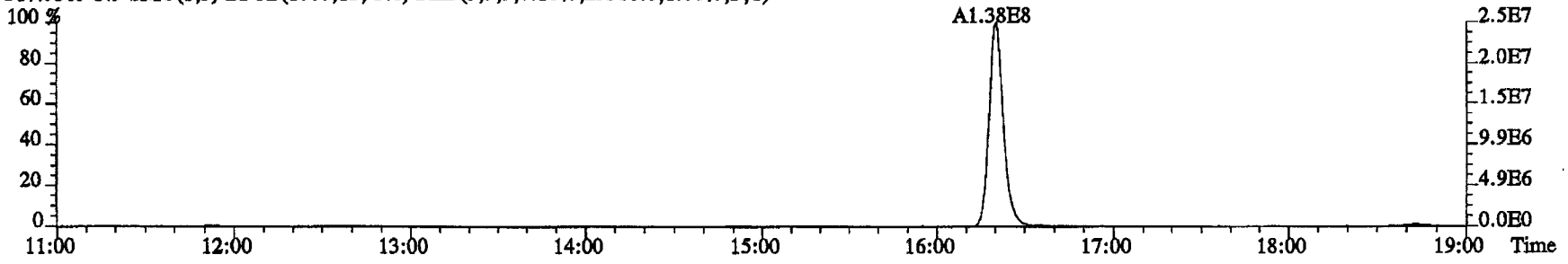
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7620.0,1.00%,F,T)



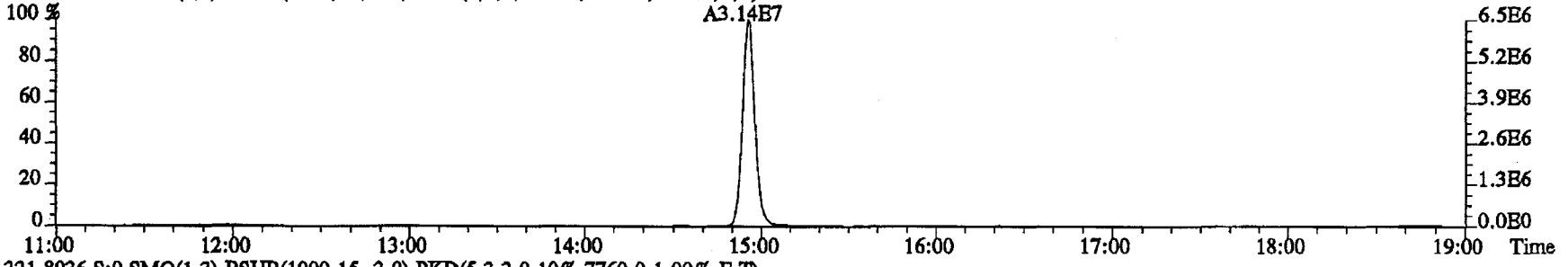
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18796.0,1.00%,F,T)



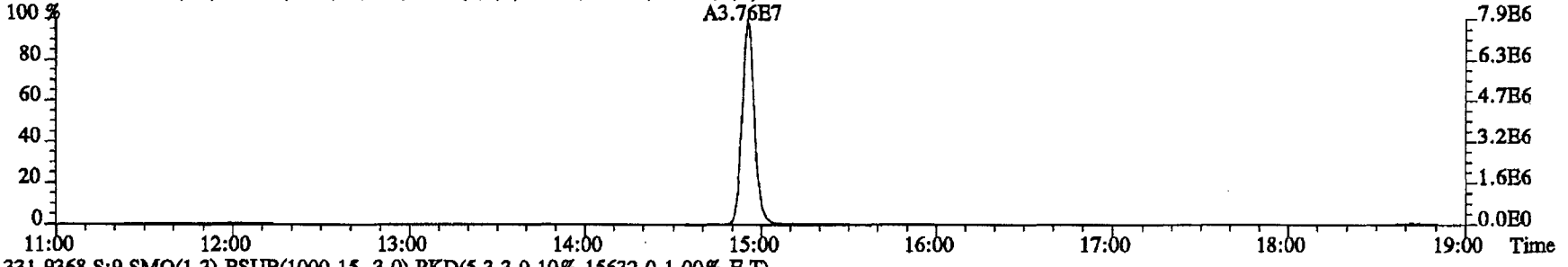
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23380.0,1.00%,F,T)



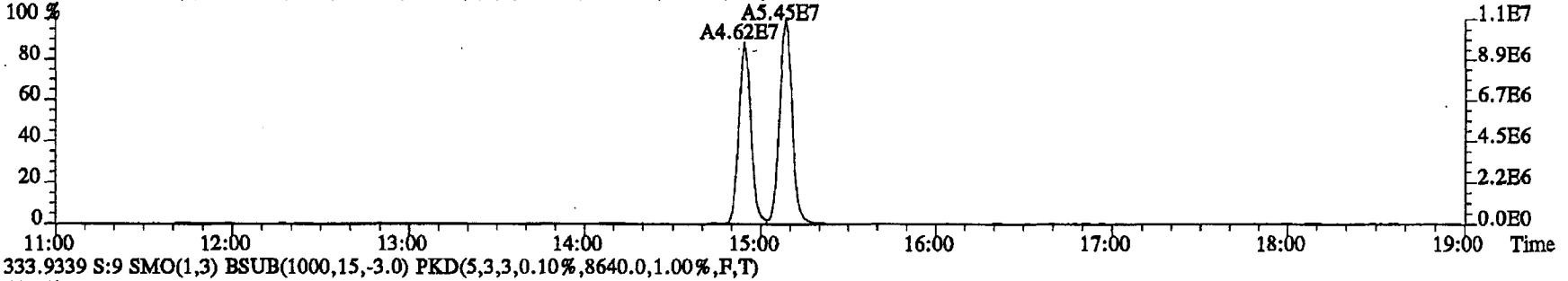
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB225RES
319.8965 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5792.0,1.00%,F,T)



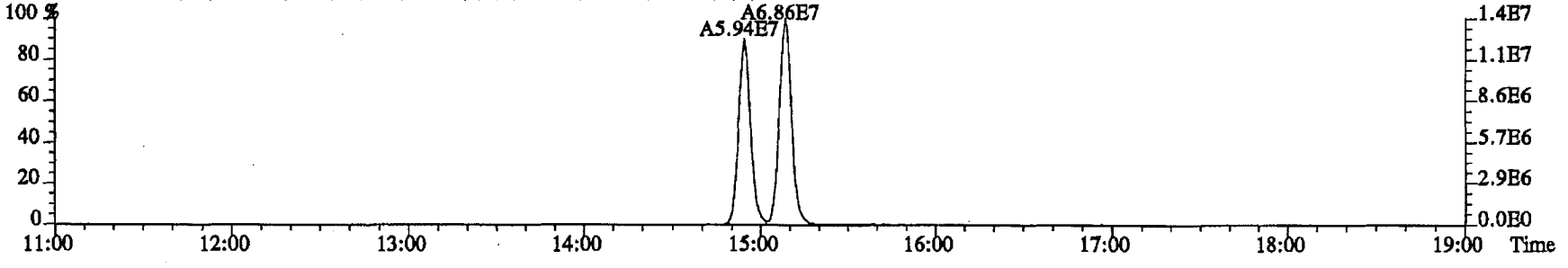
321.8936 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7760.0,1.00%,F,T)



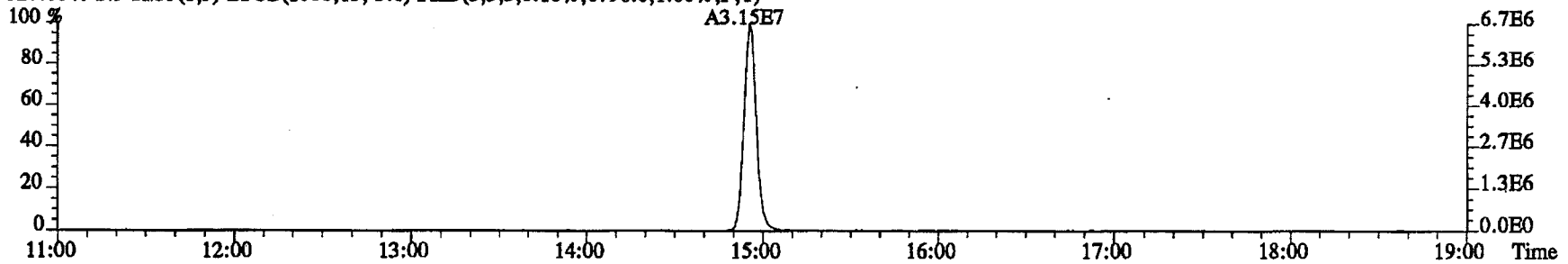
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15632.0,1.00%,F,T)



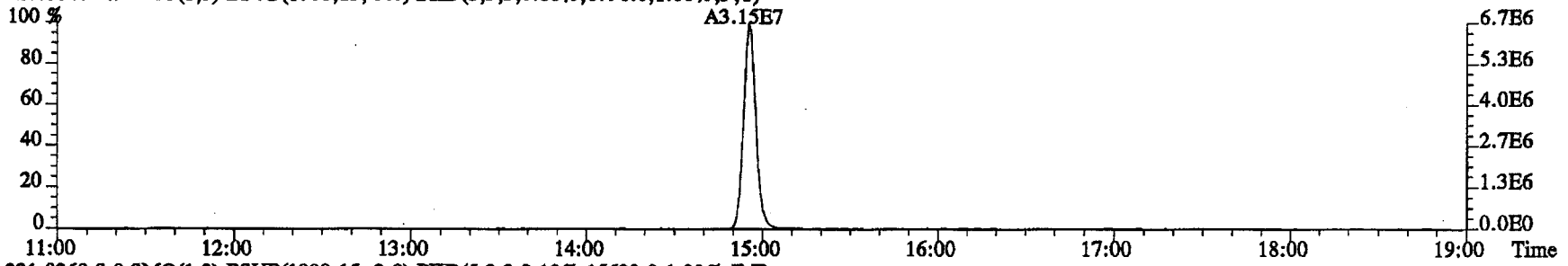
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8640.0,1.00%,F,T)



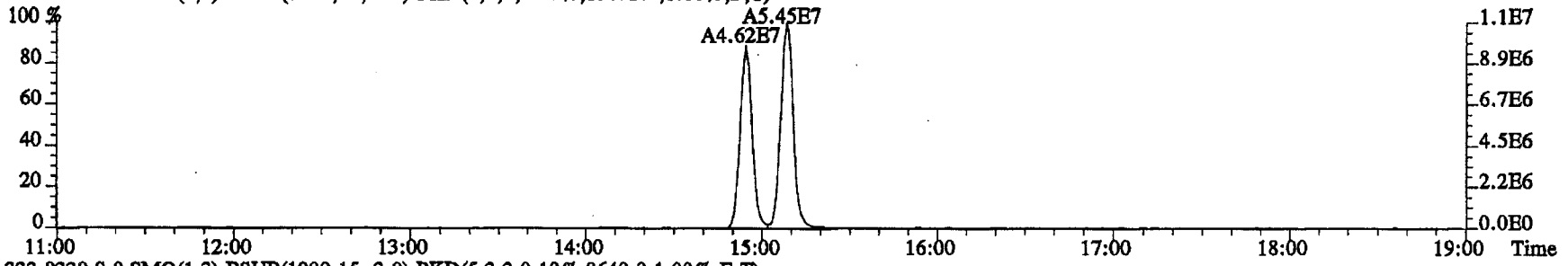
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB225RES
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6796.0,1.00%,F,T)



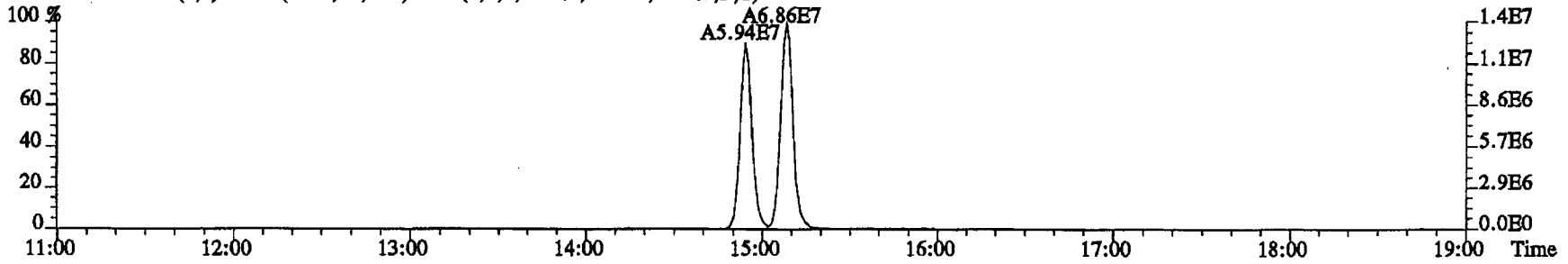
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6796.0,1.00%,F,T)



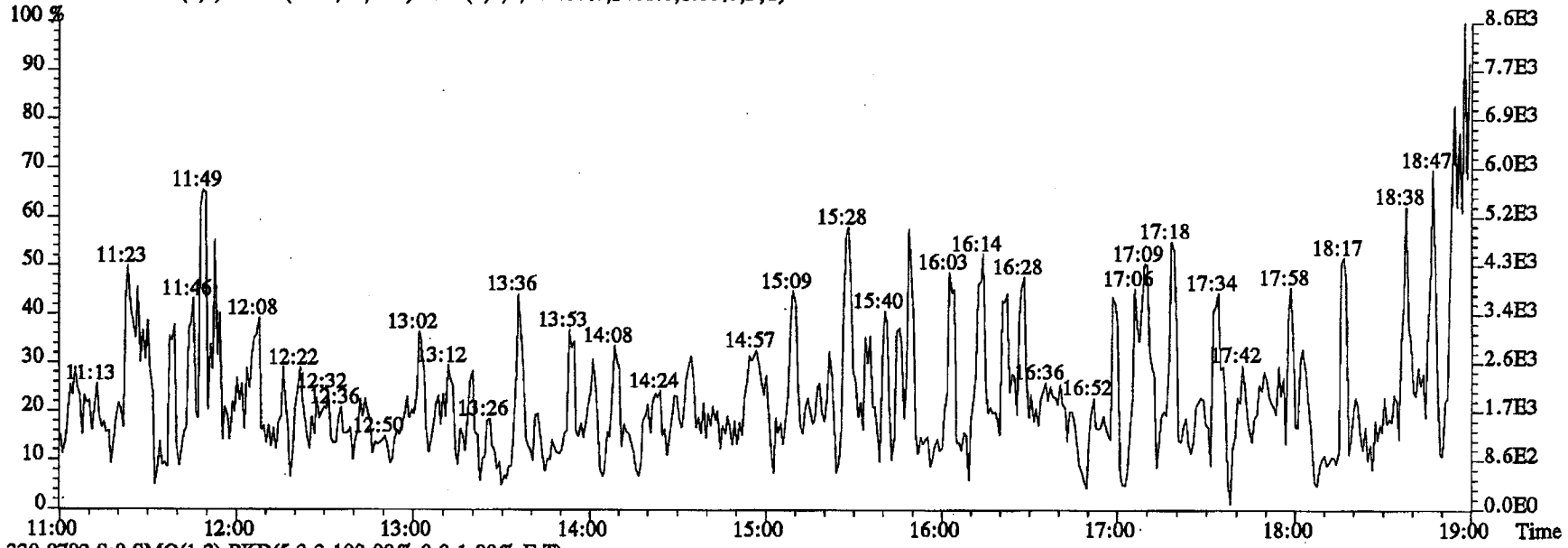
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15632.0,1.00%,F,T)



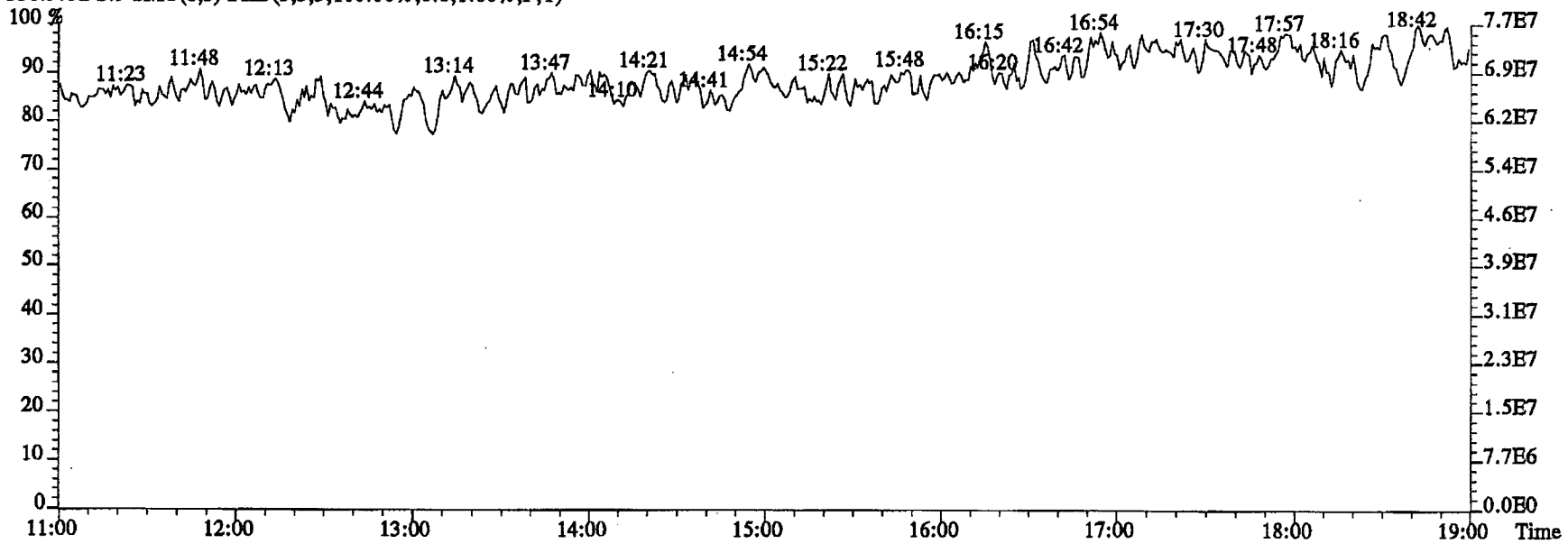
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8640.0,1.00%,F,T)



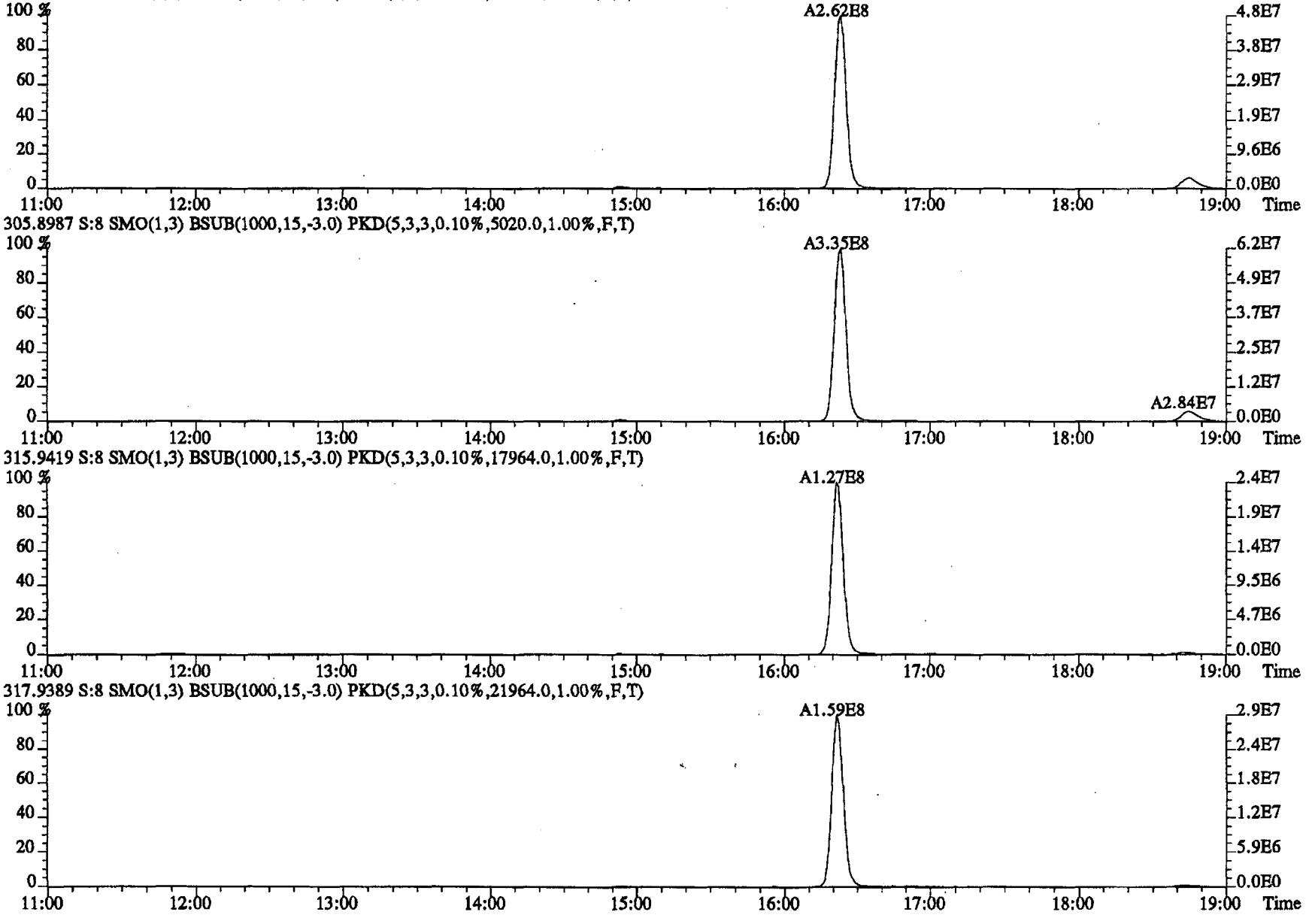
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB225RES
375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2008.0,1.00%,F,T)

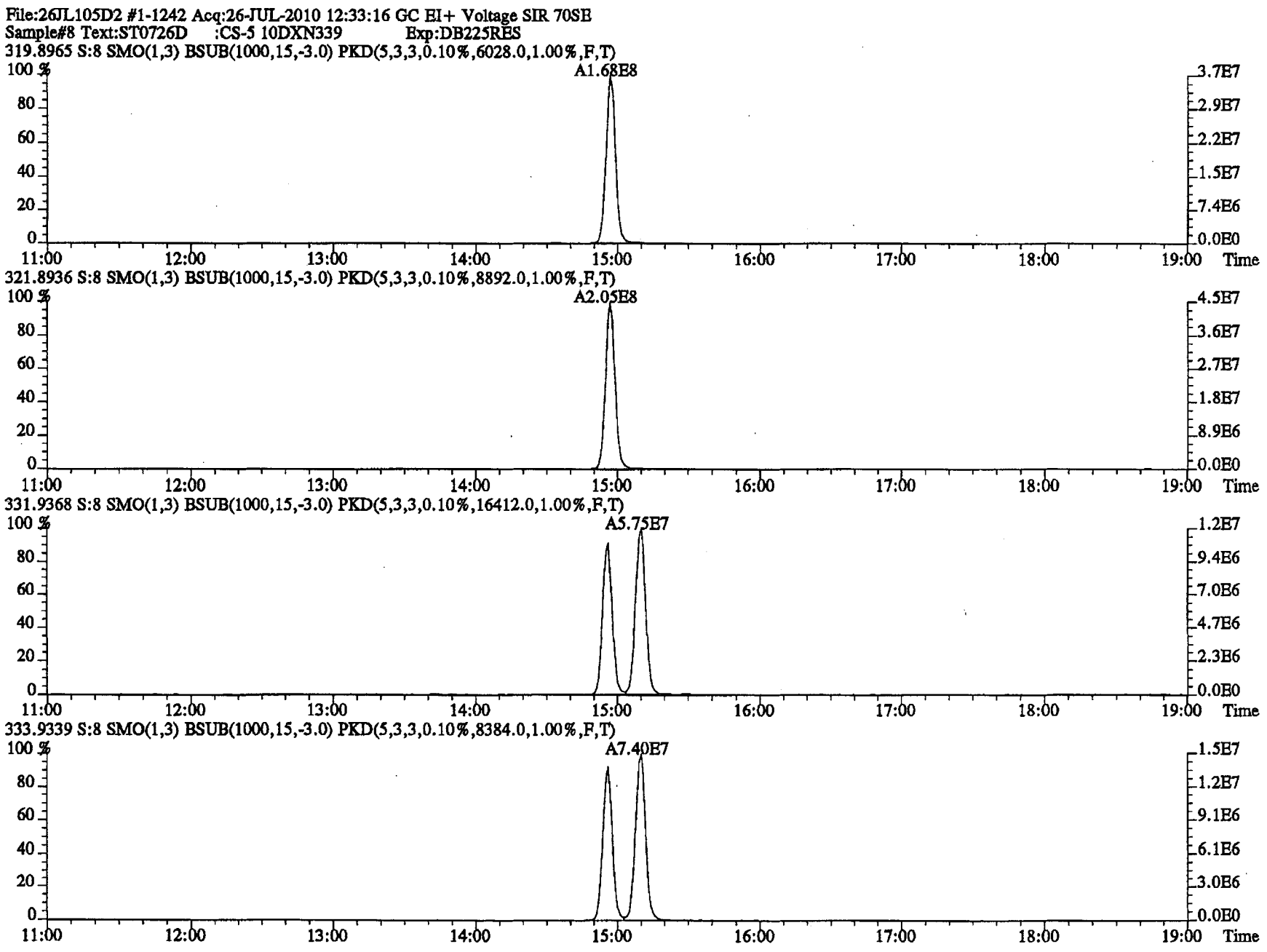


330.9792 S:9 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

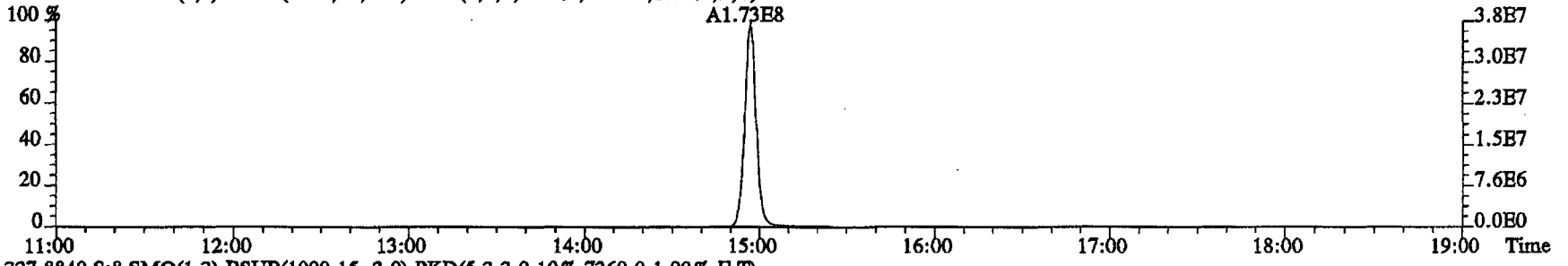


File:26JL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RES

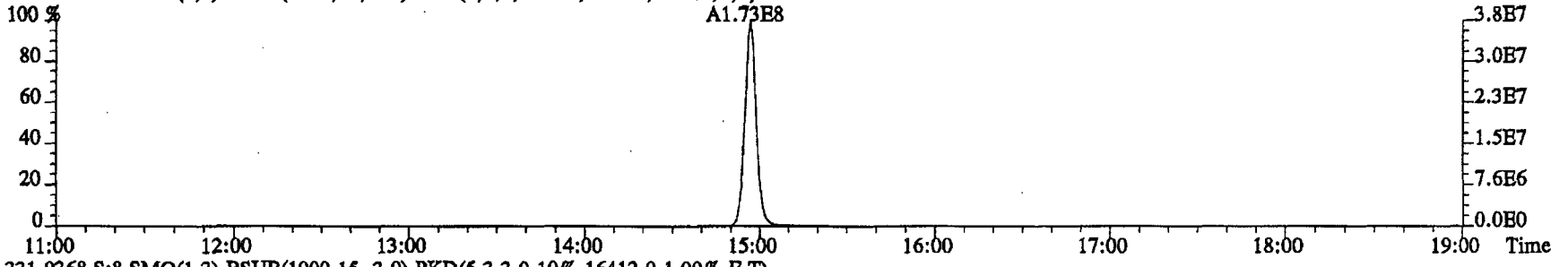




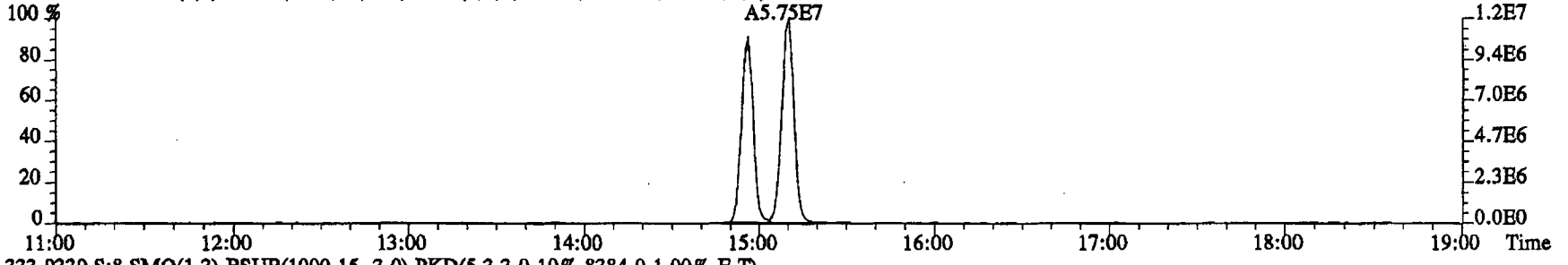
File:26JL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RES
327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7260.0,1.00%,F,T)



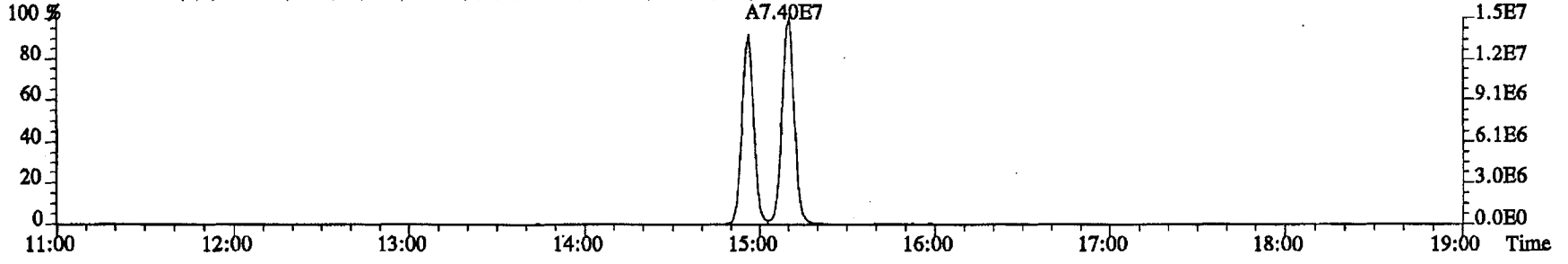
327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7260.0,1.00%,F,T)

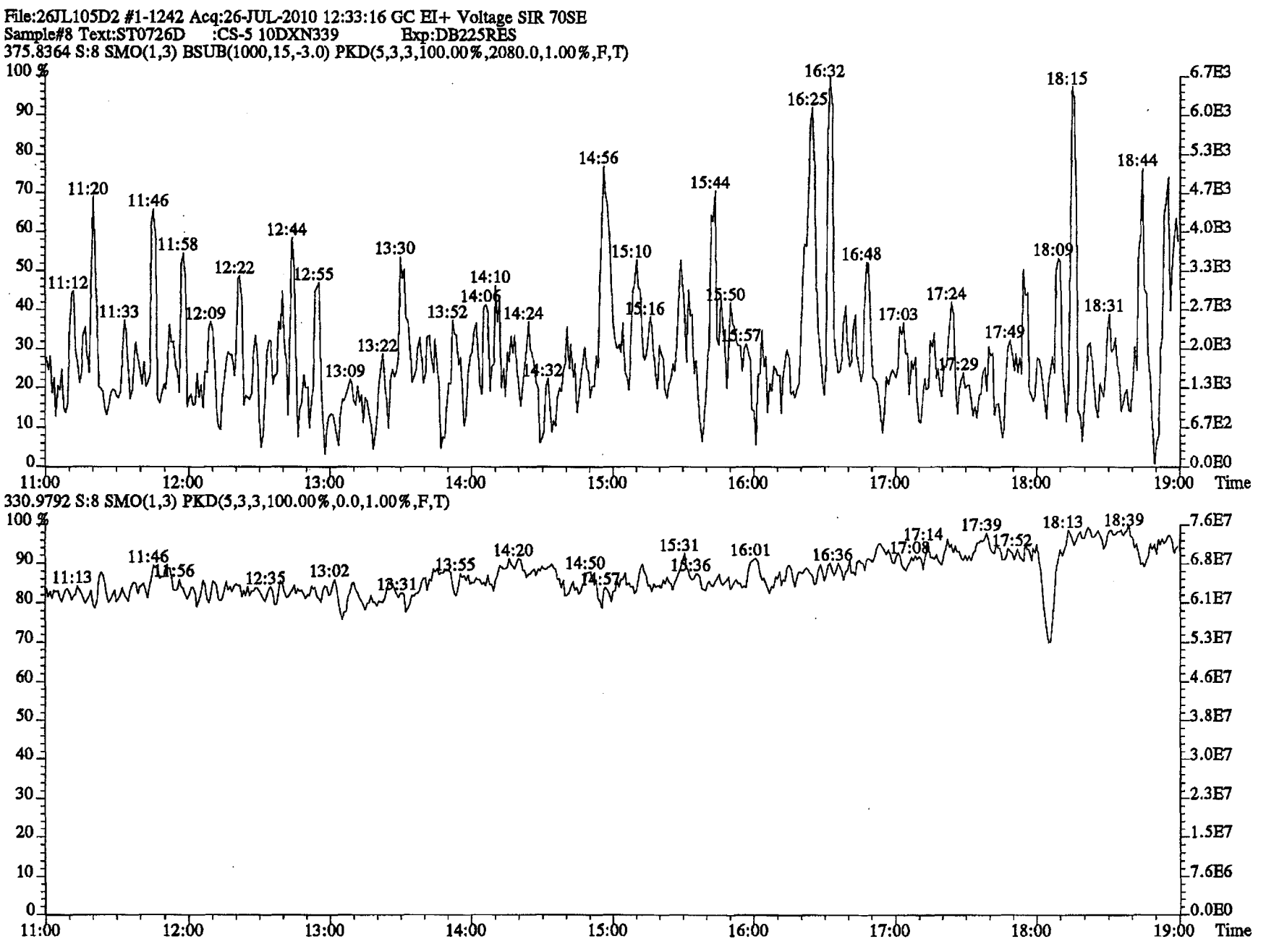


331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16412.0,1.00%,F,T)



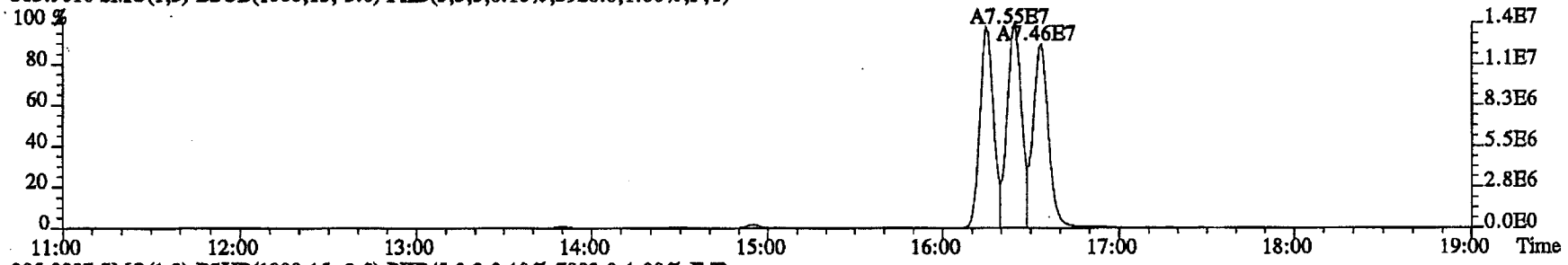
333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8384.0,1.00%,F,T)



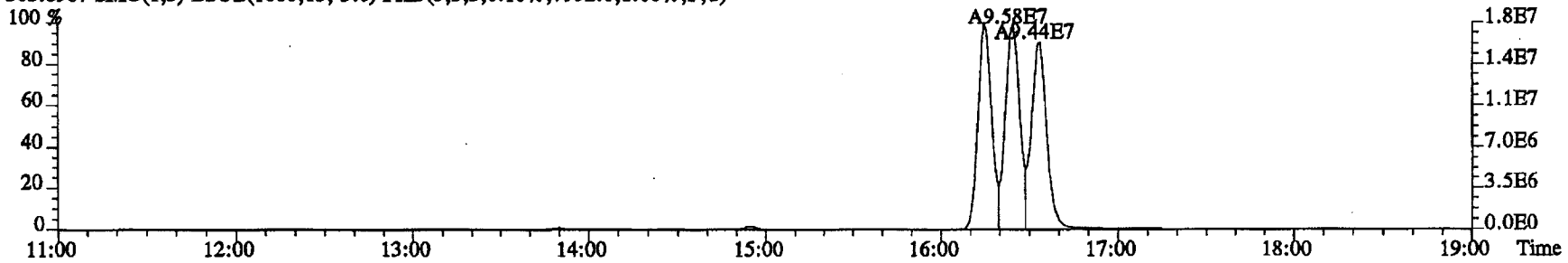

File:26JL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RES
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2080.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
6.7E3
6.0E3
5.3E3
4.7E3
4.0E3
3.3E3
2.7E3
2.0E3
1.3E3
6.7E2
0.0E0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
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
7.6E7
6.8E7
6.1E7
5.3E7
4.6E7
3.8E7
3.0E7
2.3E7
1.5E7
7.6E6
0.0E0
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
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

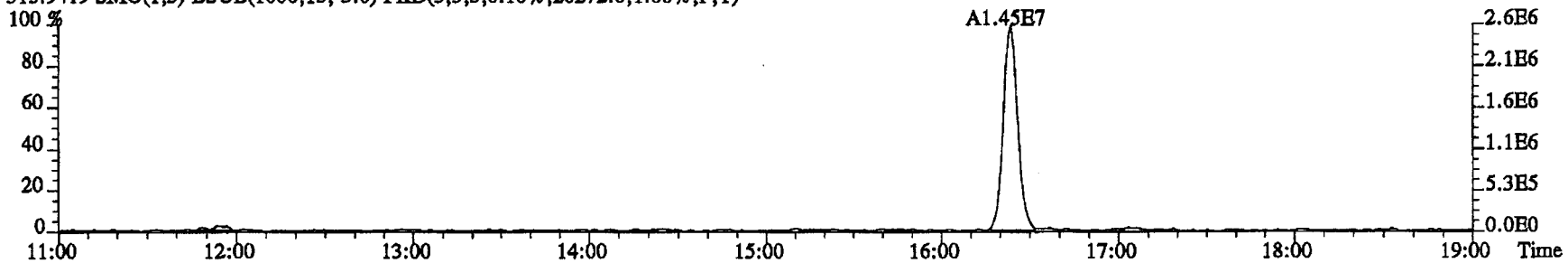
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5928.0,1.00%,F,T)



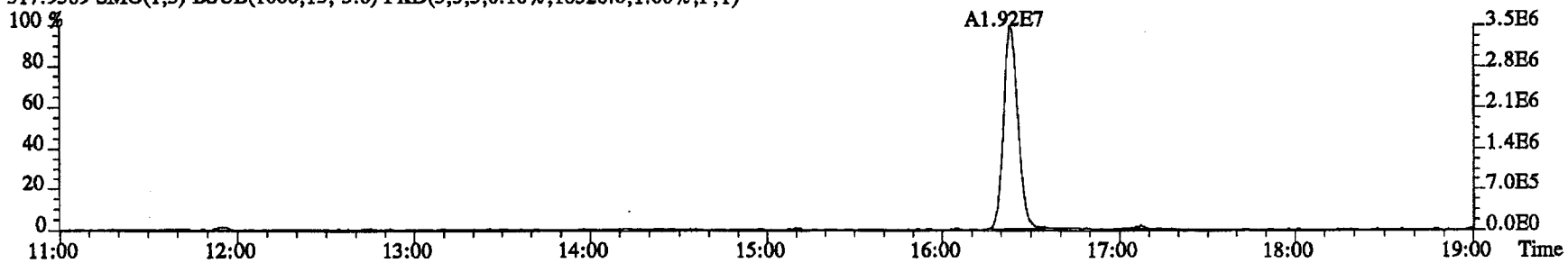
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7992.0,1.00%,F,T)

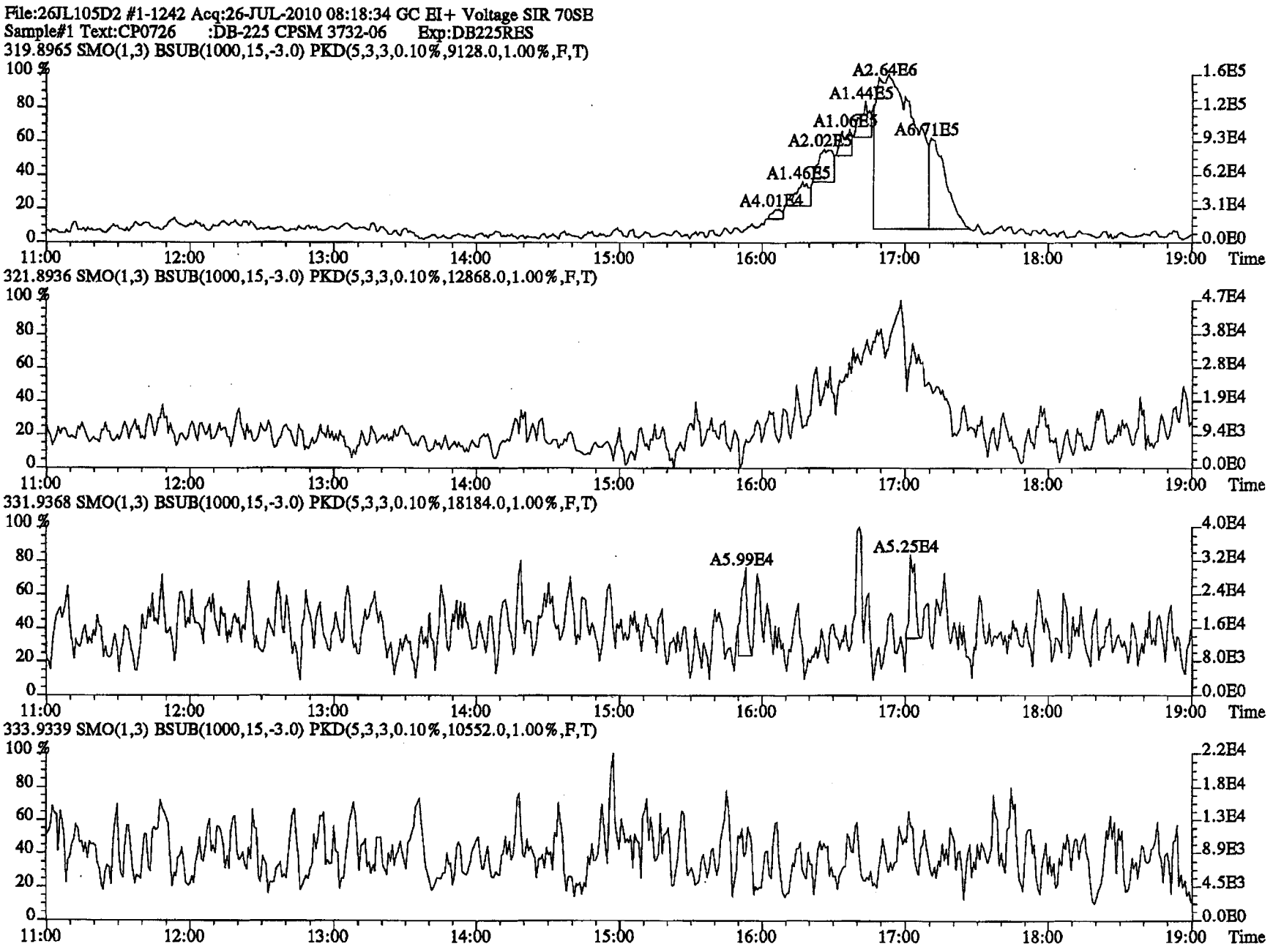


315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20272.0,1.00%,F,T)

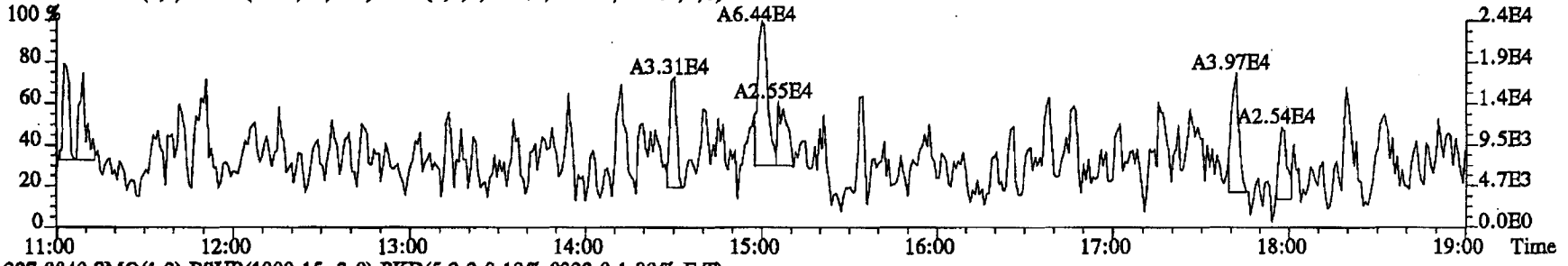


317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18328.0,1.00%,F,T)

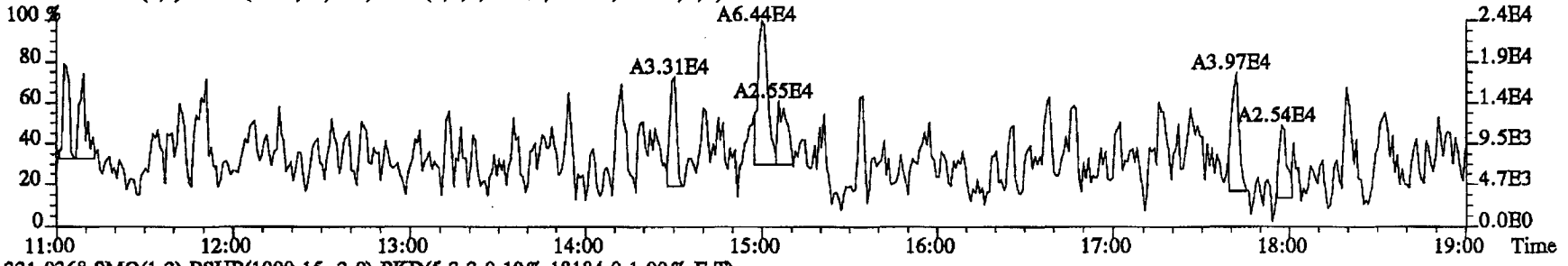




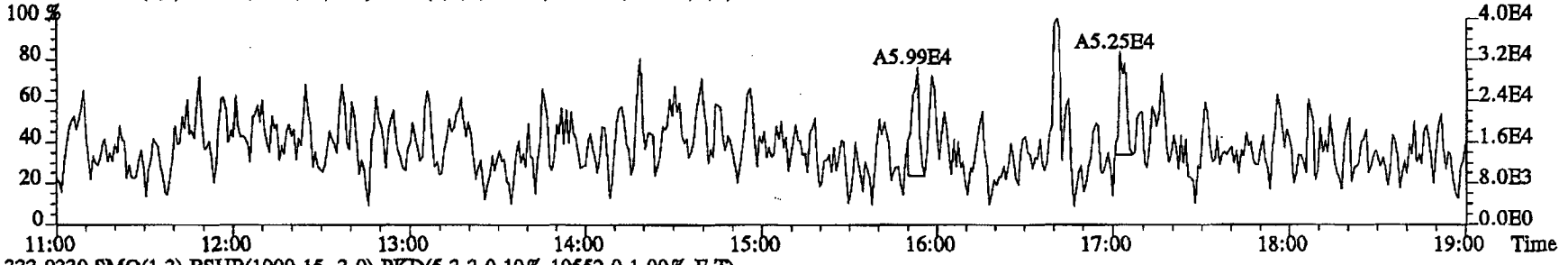
File:26JL105D2 #1-1242 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0726 :DB-225 CPSM 3732-06 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)



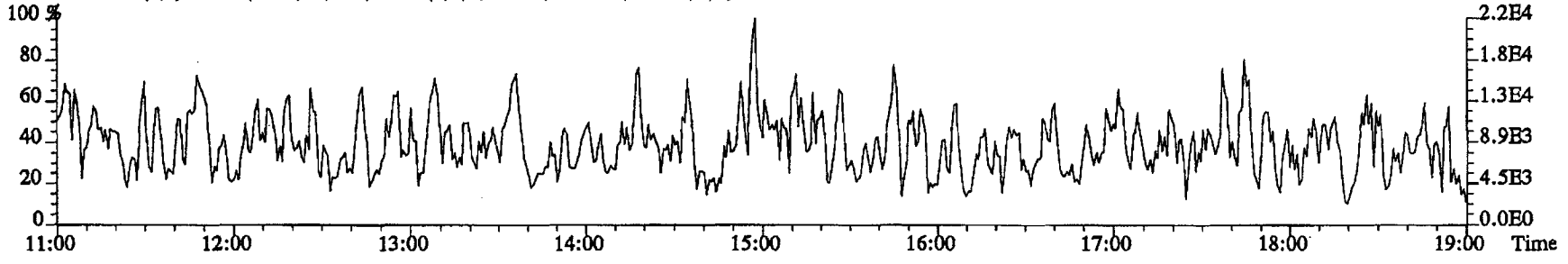
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)



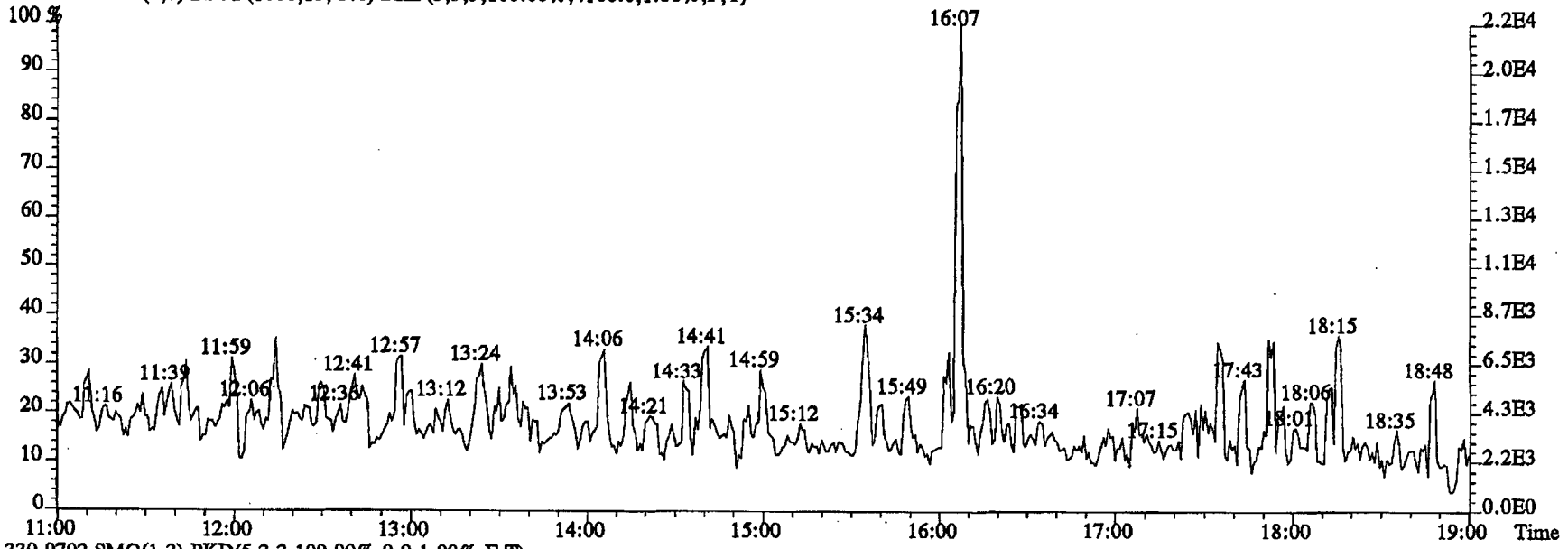
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18184.0,1.00%,F,T)



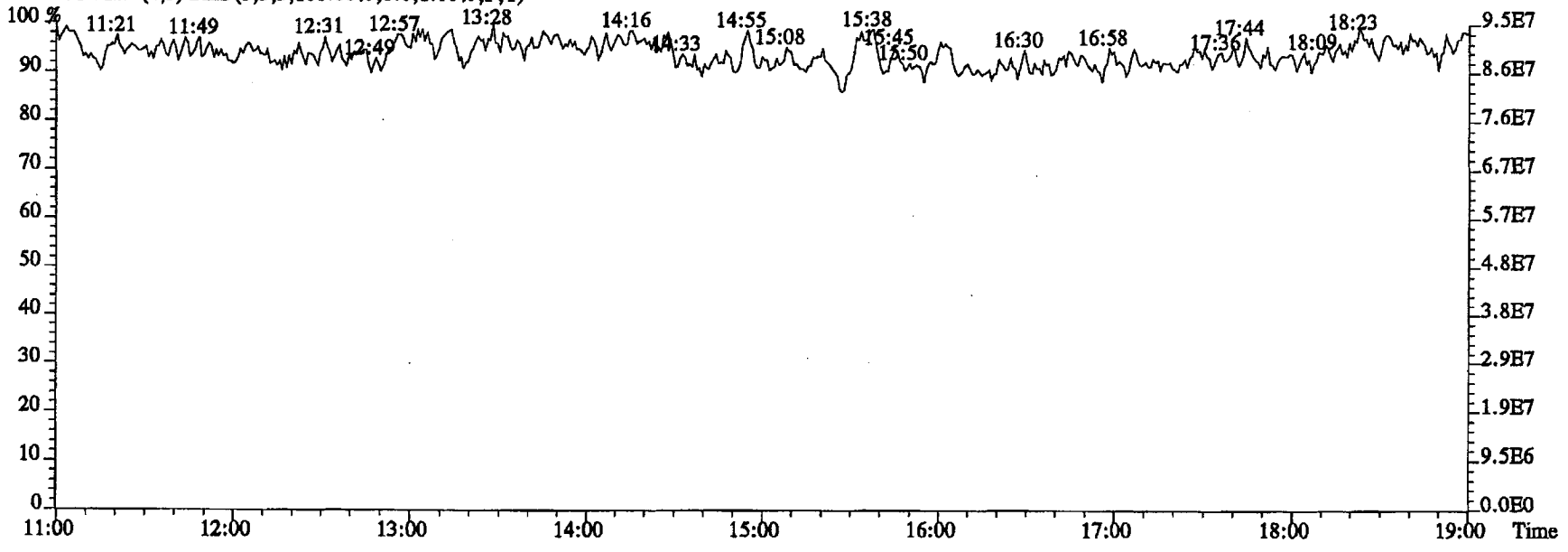
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10552.0,1.00%,F,T)



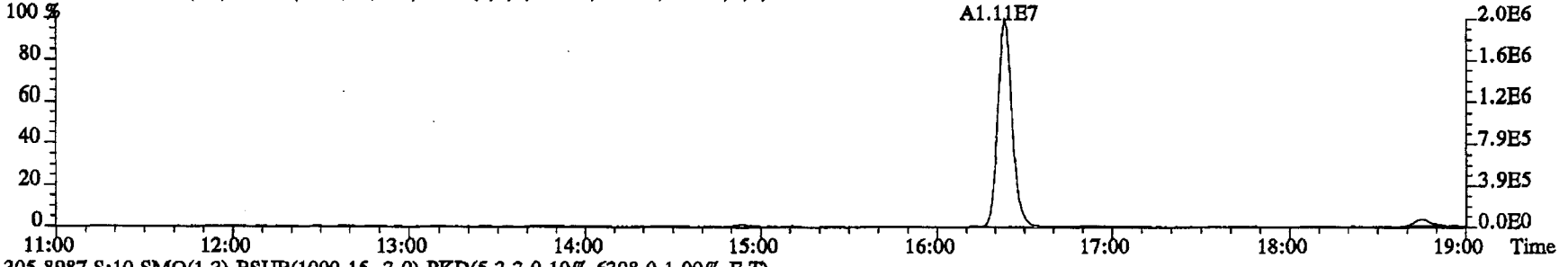
File:26JL105D2 #1-1242 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0726 :DB-225 CPSM 3732-06 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4108.0,1.00%,F,T)



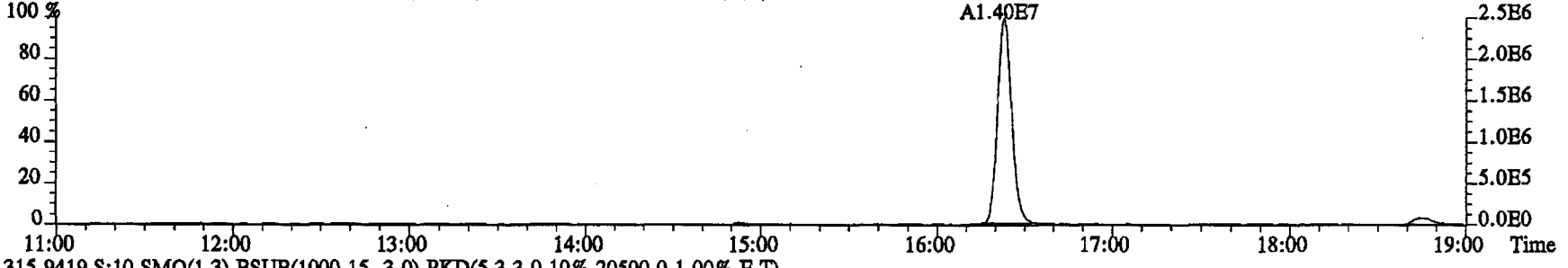
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



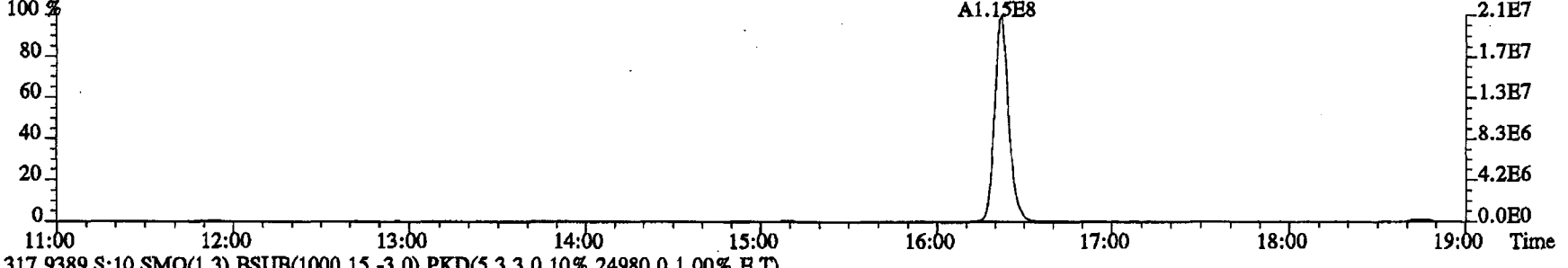
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SB
Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4628.0,1.00%,F,T)



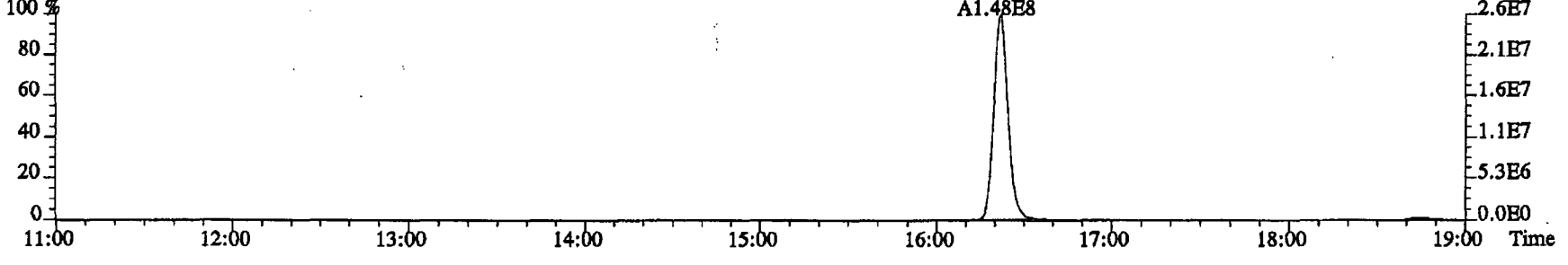
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6308.0,1.00%,F,T)



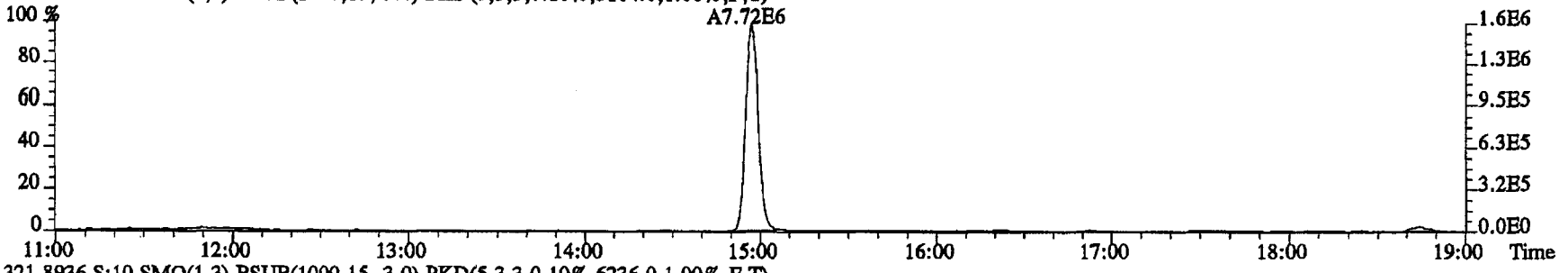
315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20500.0,1.00%,F,T)



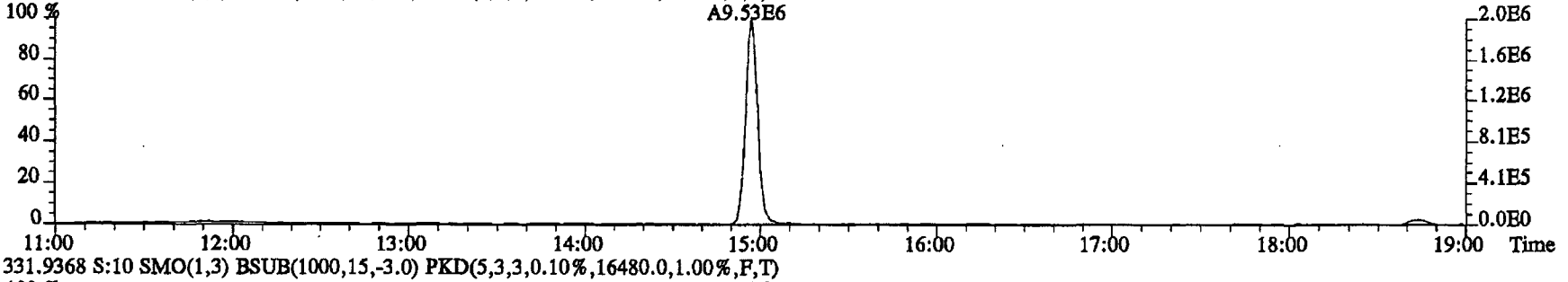
317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24980.0,1.00%,F,T)



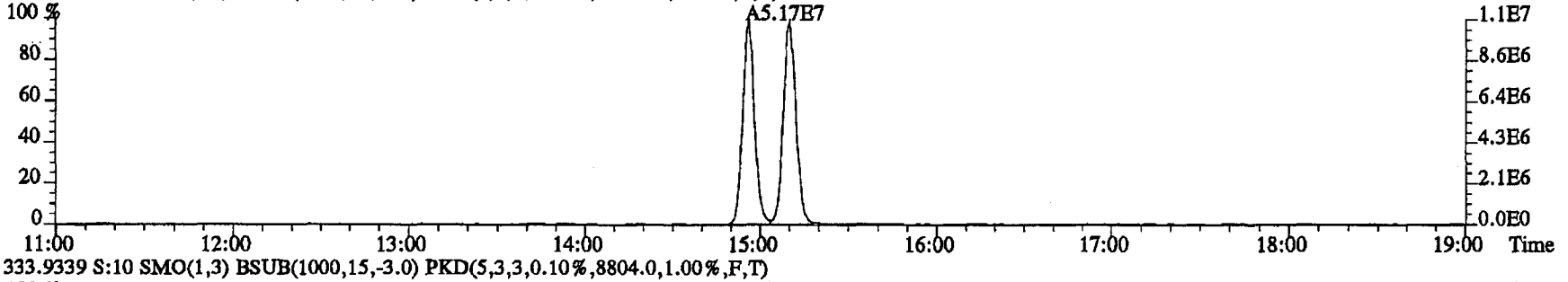
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE
Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5104.0,1.00%,F,T)



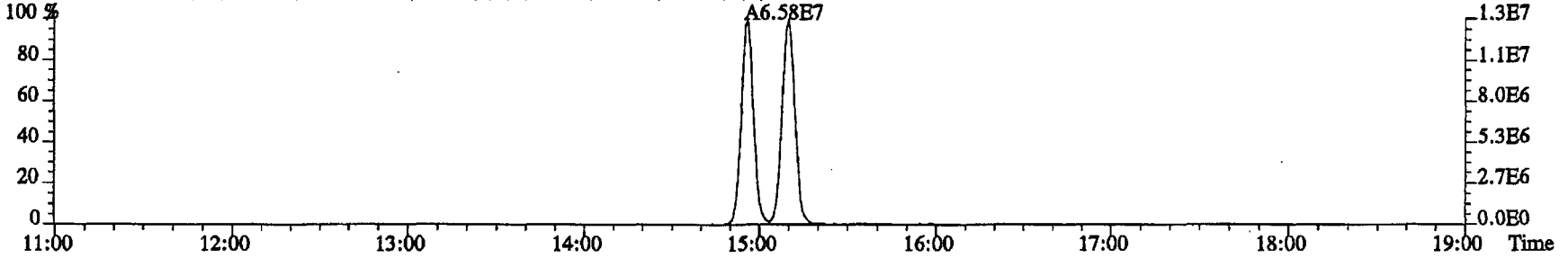
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6236.0,1.00%,F,T)



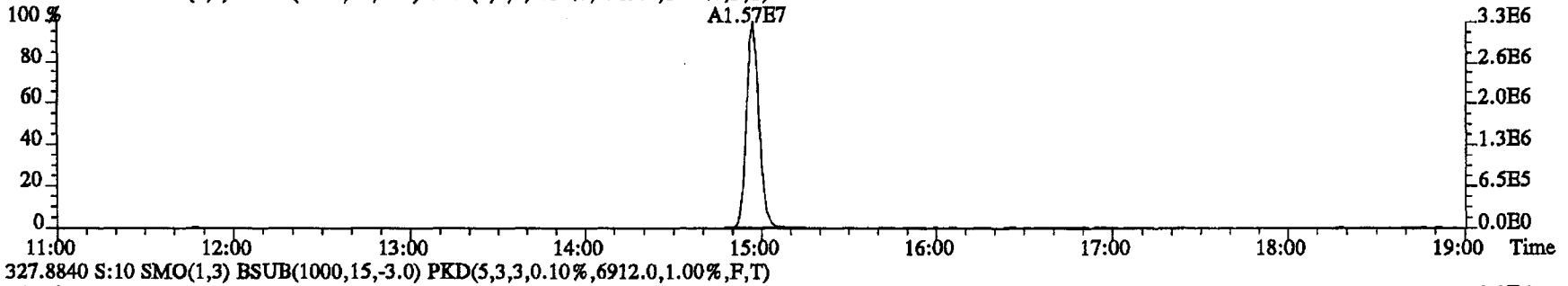
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16480.0,1.00%,F,T)



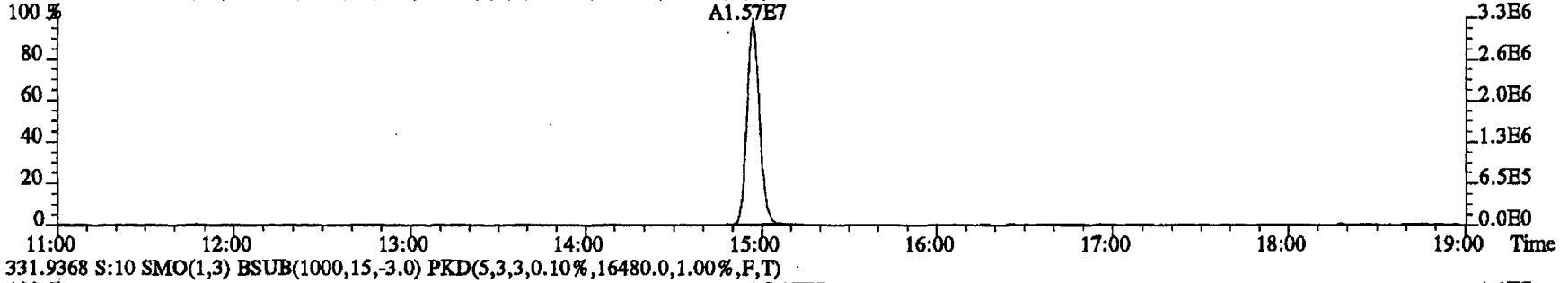
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8804.0,1.00%,F,T)



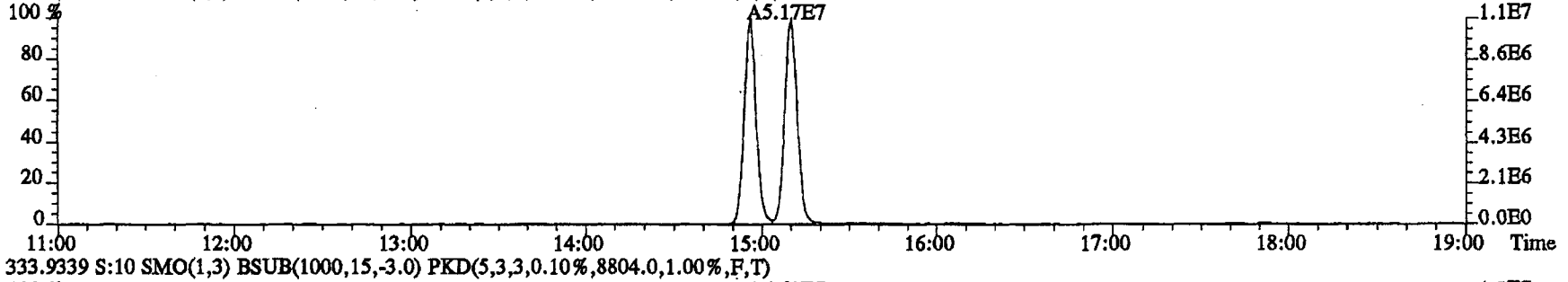
File:26JL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE
Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6912.0,1.00%,F,T)



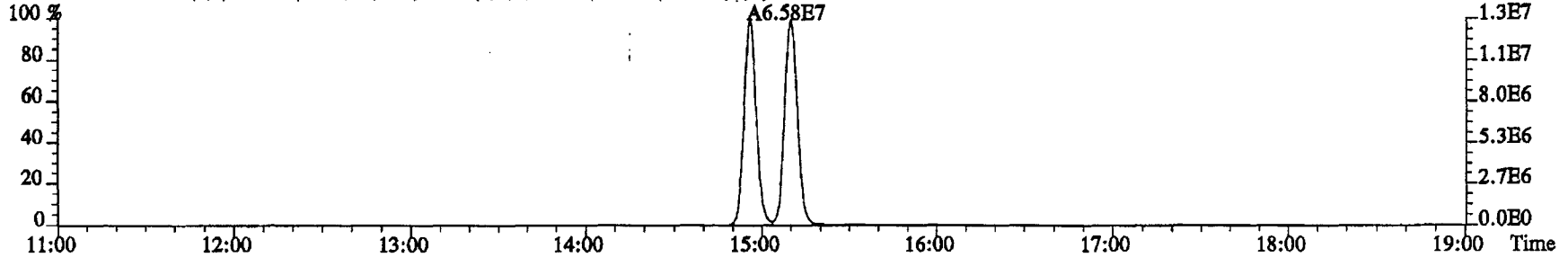
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6912.0,1.00%,F,T)



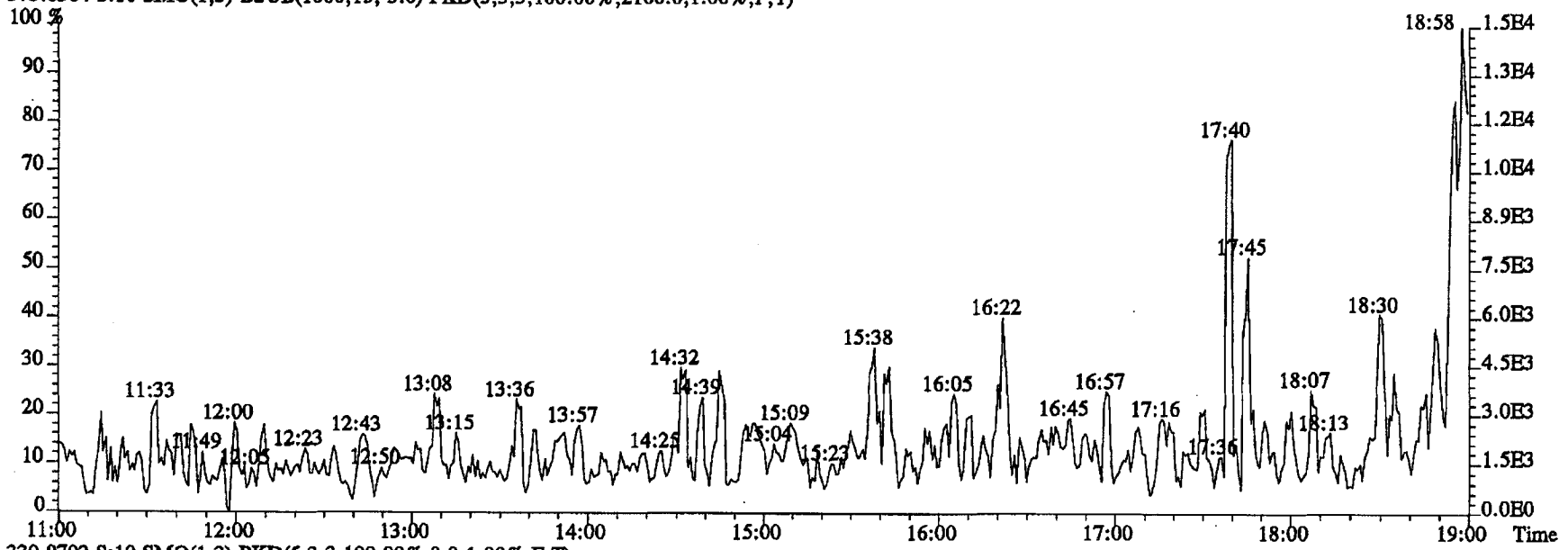
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16480.0,1.00%,F,T)



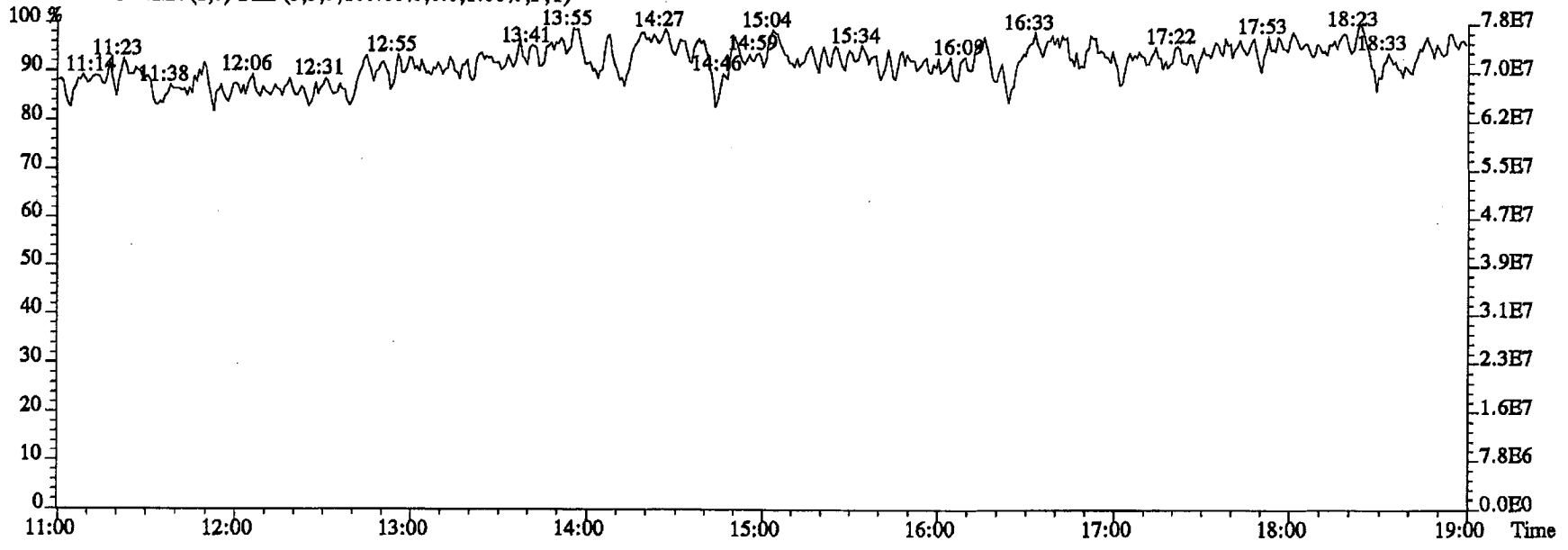
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8804.0,1.00%,F,T)



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)



Test America – West Sacramento

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THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290, 1613, TO9, 23, 0023A, TETRAS) 091710 1D5

Method ID 8290, 1613B, TO9, 23, 0023A

Date Scanned 3/16

Column ID DB5

Instrument ID 1D5

STD ID's STO914 (B, A, –, D, C)

STD Solution 10DXN (342, 335, 426, 337, 329)

GC Program OCDDMG

Multiplier Setting 270

Analyzed By M.G.

Date Analyzed 9/14/10

Prepared By M.G.

Date Prepared 9/15/10

Reviewed By JRB

Date Reviewed 9/15/10

Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

13C-1,2,3,4-TCDD 17:59
13C-1,2,3,7,8,9-HxCDD 30:57

*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: 16JN10A1D5 Analyte: 8290 Cal: 82900914101D5

ST0914B :CS1 10DXN342 ST0914A :CS2 10DXN335 ST0914 :CS3 10DXN426
ST0914D :CS4 10DXN337 ST0914C :CS5 10DXN339

Name	Mean	S. D.	%RSD	14SE101D5 S4 RRF1	14SE101D5 S3 RRF2	14SE101D5 S2 RRF3	14SE101D5 S6 RRF4	14SE101D5 S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.563	0.037	2.40 %	1.57	1.61	1.55	1.57	1.51
2,3,7,8-TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
Total TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
13C-2,3,7,8-TCDD	0.921	0.041	4.42 %	0.95	0.94	0.96	0.87	0.88
2,3,7,8-TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
Total TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
37Cl-2,3,7,8-TCDD	1.125	0.118	10.5 %	0.98	1.03	1.16	1.20	1.26
13C-1,2,3,7,8-PeCDF	1.053	0.139	13.2 %	1.15	1.20	1.10	0.96	0.86
1,2,3,7,8-PeCDF	1.092	0.151	13.8 %	0.89	0.97	1.22	1.19	1.19
2,3,4,7,8-PeCDF	1.018	0.140	13.8 %	0.82	0.92	1.14	1.10	1.11
Total F2 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
Total F1 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
13C-1,2,3,7,8-PeCDD	0.561	0.085	15.1 %	0.61	0.65	0.59	0.51	0.44
1,2,3,7,8-PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
Total PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.991	0.061	6.19 %	1.00	1.05	1.00	1.01	0.89
1,2,3,4,7,8-HxCDF	1.261	0.122	9.70 %	1.11	1.21	1.40	1.38	1.20
1,2,3,6,7,8-HxCDF	1.531	0.150	9.79 %	1.33	1.47	1.58	1.53	1.74
2,3,4,6,7,8-HxCDF	1.407	0.159	11.3 %	1.20	1.29	1.52	1.43	1.59
1,2,3,7,8,9-HxCDF	1.396	0.174	12.5 %	1.16	1.30	1.53	1.41	1.58
Total HxCDF	1.399	0.137	9.83 %	1.20	1.32	1.51	1.44	1.53
13C-1,2,3,6,7,8-HxCDD	0.739	0.034	4.62 %	0.75	0.75	0.73	0.69	0.78
1,2,3,4,7,8-HxCDD	1.120	0.159	14.2 %	0.89	1.05	1.25	1.28	1.13

1,2,3,6,7,8-HxCDD	1.141	0.145	12.7 %	0.94	1.04	1.25	1.26	1.22
1,2,3,7,8,9-HxCDD	1.354	0.182	13.4 %	1.14	1.23	1.58	1.49	1.32
Total HxCDD	1.205	0.158	13.1 %	0.99	1.11	1.36	1.35	1.22
13C-1,2,3,4,6,7,8-HpCDF	0.956	0.098	10.2 %	1.05	1.07	0.89	0.86	0.91
1,2,3,4,6,7,8-HpCDF	1.408	0.193	13.7 %	1.12	1.32	1.61	1.51	1.48
1,2,3,4,7,8,9-HpCDF	1.236	0.121	9.80 %	1.06	1.17	1.36	1.28	1.31
Total HpCDF	1.322	0.157	11.9 %	1.09	1.24	1.49	1.39	1.40
13C-1,2,3,4,6,7,8-HpCDD	0.712	0.085	11.9 %	0.78	0.82	0.67	0.63	0.66
1,2,3,4,6,7,8-HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
Total HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
13C-OCDD	0.353	0.054	15.4 %	0.40	0.42	0.32	0.29	0.34
OCDF	2.118	0.323	15.3 %	1.63	1.95	2.36	2.29	2.36
OCDD	1.371	0.158	11.5 %	1.17	1.23	1.52	1.47	1.47

Run #1 Filename 14SE101D5 S: 4 I: 1
Acquired: 14-SEP-10 12:45:23 Processed: 14-SEP-10 14:52:05
Run: 16JN10A1D5 Analyte: 8290 Cal: 82900914101D5
Comments:
Sample text: ST0914B :CS1 10DXN342

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	217757500	0.82	y	18:02	-	100.00	n
13C-2,3,7,8-TCDF	342526000	0.83	y	17:29	1.57	100.00	n
2,3,7,8-TCDF	1544346	0.86	y	17:30	0.90	0.50	n
Total TCDF	-	-	n	-	0.90	0.50	n
13C-2,3,7,8-TCDD	206632500	0.81	y	18:13	0.95	100.00	n
2,3,7,8-TCDD	942260	0.87	y	18:15	0.91	0.50	n
Total TCDD	-	-	n	-	0.91	0.50	n
37Cl-2,3,7,8-TCDD	1067370	1.00	y	18:14	0.98	0.50	n
13C-1,2,3,7,8-PeCDF	249582300	1.61	y	22:42	1.15	100.00	n
1,2,3,7,8-PeCDF	5547560	1.72	y	22:44	0.89	2.50	n
2,3,4,7,8-PeCDF	5105770	1.60	y	24:07	0.82	2.50	n
Total F2 PeCDF	-	-	n	-	0.85	5.00	n
Total F1 PeCDF	-	-	n	-	0.85	5.00	n
13C-1,2,3,7,8-PeCDD	132054700	1.72	y	24:49	0.61	100.00	n
1,2,3,7,8-PeCDD	2923000	1.50	y	24:51	0.89	2.50	n
Total PeCDD	-	-	n	-	0.89	2.50	n
13C-1,2,3,7,8,9-HxCDD	227515900	1.32	y	30:59	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	228486500	0.53	y	29:44	1.00	100.00	n
1,2,3,4,7,8-HxCDF	6361060	1.36	y	29:45	1.11	2.50	n
1,2,3,6,7,8-HxCDF	7610610	1.22	y	29:53	1.33	2.50	n
2,3,4,6,7,8-HxCDF	6873540	1.31	y	30:29	1.20	2.50	n
1,2,3,7,8,9-HxCDF	6602240	1.19	y	31:10	1.16	2.50	n
Total HxCDF	-	-	n	-	1.20	10.00	n
13C-1,2,3,6,7,8-HxCDD	170360900	1.31	y	30:42	0.75	100.00	n
1,2,3,4,7,8-HxCDD	3797170	1.27	y	30:38	0.89	2.50	n
1,2,3,6,7,8-HxCDD	3982690	1.30	y	30:43	0.94	2.50	n
1,2,3,7,8,9-HxCDD	4863240	1.28	y	31:00	1.14	2.50	n
Total HxCDD	-	-	n	-	0.99	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	239354800	0.46	y	32:35	1.05	100.00	n
1,2,3,4,6,7,8-HpCDF	6687110	1.10	y	32:36	1.12	2.50	n
1,2,3,4,7,8,9-HpCDF	6339150	1.04	y	33:48	1.06	2.50	n
Total HpCDF	-	-	n	-	1.09	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	177392900	1.08	y	33:27	0.78	100.00	n
1,2,3,4,6,7,8-HpCDD	4179990	1.06	y	33:28	0.94	2.50	n
Total HpCDD	-	-	n	-	0.94	2.50	n
13C-OCDD	182068900	0.94	y	36:04	0.40	200.00	n
OCDF	7410000	0.80	y	36:11	1.63	5.00	n

OCDD	5332880	0.86	y	36:05	1.17	5.00	n

Run #2 Filename 14SE101D5 S: 3 I: 1
Acquired: 14-SEP-10 12:02:26 Processed: 14-SEP-10 14:52:06
Run: 16JN10A1D5 Analyte: 8290 Cal: 82900914101D5
Comments:
Sample text: ST0914A :CS2 10DXN335

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	289623000	0.82	y	18:03	-	100.00	n
13C-2,3,7,8-TCDF	465726000	0.80	y	17:30	1.61	100.00	n
2,3,7,8-TCDF	7633250	0.73	y	17:30	0.82	2.00	n
Total TCDF	-	-	n	-	0.82	2.00	n
13C-2,3,7,8-TCDD	271341000	0.81	y	18:14	0.94	100.00	n
2,3,7,8-TCDD	4973300	0.81	y	18:15	0.92	2.00	n
Total TCDD	-	-	n	-	0.92	2.00	n
37Cl-2,3,7,8-TCDD	5944440	1.00	y	18:15	1.03	2.00	n
13C-1,2,3,7,8-PeCDF	347627000	1.63	y	22:42	1.20	100.00	n
1,2,3,7,8-PeCDF	33792700	1.62	y	22:44	0.97	10.00	n
2,3,4,7,8-PeCDF	32045800	1.61	y	24:06	0.92	10.00	n
Total F2 PeCDF	-	-	n	-	0.95	20.00	n
Total F1 PeCDF	-	-	n	-	0.95	20.00	n
13C-1,2,3,7,8-PeCDD	189230600	1.73	y	24:49	0.65	100.00	n
1,2,3,7,8-PeCDD	17361110	1.65	y	24:50	0.92	10.00	n
Total PeCDD	-	-	n	-	0.92	10.00	n
13C-1,2,3,7,8,9-HxCDD	306085000	1.26	y	30:59	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	321465000	0.53	y	29:44	1.05	100.00	n
1,2,3,4,7,8-HxCDF	38950600	1.28	y	29:45	1.21	10.00	n
1,2,3,6,7,8-HxCDF	47402900	1.28	y	29:53	1.47	10.00	n
2,3,4,6,7,8-HxCDF	41568700	1.27	y	30:28	1.29	10.00	n
1,2,3,7,8,9-HxCDF	41849700	1.28	y	31:10	1.30	10.00	n
Total HxCDF	-	-	n	-	1.32	40.00	n
13C-1,2,3,6,7,8-HxCDD	229169000	1.25	y	30:41	0.75	100.00	n
1,2,3,4,7,8-HxCDD	24039000	1.31	y	30:37	1.05	10.00	n
1,2,3,6,7,8-HxCDD	23921800	1.34	y	30:42	1.04	10.00	n
1,2,3,7,8,9-HxCDD	28230500	1.28	y	30:59	1.23	10.00	n
Total HxCDD	-	-	n	-	1.11	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	327683000	0.45	y	32:35	1.07	100.00	n
1,2,3,4,6,7,8-HpCDF	43176900	1.03	y	32:35	1.32	10.00	n
1,2,3,4,7,8,9-HpCDF	38352900	1.04	y	33:47	1.17	10.00	n
Total HpCDF	-	-	n	-	1.24	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	252214000	1.08	y	33:27	0.82	100.00	n
1,2,3,4,6,7,8-HpCDD	26020700	1.06	y	33:28	1.03	10.00	n
Total HpCDD	-	-	n	-	1.03	10.00	n
13C-OCDD	254330000	0.93	y	36:04	0.42	200.00	n
OCDF	49492200	0.88	y	36:11	1.95	20.00	n
OCDD	31289700	0.90	y	36:05	1.23	20.00	n

Run #3 Filename 14SE101D5 S: 2 I: 1
Acquired: 14-SEP-10 11:17:57 Processed: 14-SEP-10 14:52:07
Run: 16JN10A1D5 Analyte: 8290 Cal: 82900914101D5
Comments:
Sample text: ST0914 :CS3 10DXN426

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	357156000	0.80	y	17:59	-	100.00	n
13C-2,3,7,8-TCDF	555370000	0.80	y	17:27	1.55	100.00	n
2,3,7,8-TCDF	58577500	0.75	y	17:28	1.05	10.00	n
Total TCDF	-	-	n	-	1.05	10.00	n
13C-2,3,7,8-TCDD	343962000	0.82	y	18:11	0.96	100.00	n
2,3,7,8-TCDD	36563200	0.73	y	18:12	1.06	10.00	n
Total TCDD	-	-	n	-	1.06	10.00	n
37Cl-2,3,7,8-TCDD	41323600	1.00	y	18:12	1.16	10.00	n
13C-1,2,3,7,8-PeCDF	391403000	1.64	y	22:38	1.10	100.00	n
1,2,3,7,8-PeCDF	238177800	1.63	y	22:40	1.22	50.00	n
2,3,4,7,8-PeCDF	222708000	1.61	y	24:01	1.14	50.00	n
Total F2 PeCDF	-	-	n	-	1.18	100.00	n
Total F1 PeCDF	-	-	n	-	1.18	100.00	n
13C-1,2,3,7,8-PeCDD	211605800	1.64	y	24:44	0.59	100.00	n
1,2,3,7,8-PeCDD	123197100	1.65	y	24:46	1.16	50.00	n
Total PeCDD	-	-	n	-	1.16	50.00	n
13C-1,2,3,7,8,9-HxCDD	357457000	1.27	y	30:57	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	357535000	0.51	y	29:42	1.00	100.00	n
1,2,3,4,7,8-HxCDF	249750000	1.27	y	29:43	1.40	50.00	n
1,2,3,6,7,8-HxCDF	282274000	1.26	y	29:51	1.58	50.00	n
2,3,4,6,7,8-HxCDF	271872000	1.27	y	30:27	1.52	50.00	n
1,2,3,7,8,9-HxCDF	274357000	1.27	y	31:08	1.53	50.00	n
Total HxCDF	-	-	n	-	1.51	200.00	n
13C-1,2,3,6,7,8-HxCDD	262329000	1.28	y	30:40	0.73	100.00	n
1,2,3,4,7,8-HxCDD	163952700	1.25	y	30:35	1.25	50.00	n
1,2,3,6,7,8-HxCDD	163357400	1.28	y	30:41	1.25	50.00	n
1,2,3,7,8,9-HxCDD	207869000	1.26	y	30:58	1.58	50.00	n
Total HxCDD	-	-	n	-	1.36	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	317477600	0.45	y	32:33	0.89	100.00	n
1,2,3,4,6,7,8-HpCDF	255385000	1.06	y	32:34	1.61	50.00	n
1,2,3,4,7,8,9-HpCDF	216392000	1.05	y	33:46	1.36	50.00	n
Total HpCDF	-	-	n	-	1.49	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	240997000	1.09	y	33:25	0.67	100.00	n
1,2,3,4,6,7,8-HpCDD	151444000	1.06	y	33:26	1.26	50.00	n
Total HpCDD	-	-	n	-	1.26	50.00	n
13C-OCDD	228085000	0.94	y	36:02	0.32	200.00	n
OCDF	269129000	0.90	y	36:09	2.36	100.00	n
OCDD	173389800	0.91	y	36:03	1.52	100.00	n

Run #4 Filename 14SE101D5 S: 6 I: 1
Acquired: 14-SEP-10 14:11:20 Processed: 14-SEP-10 14:52:08
Run: 16JN10A1D5 Analyte: 8290 Cal: 82900914101D5
Comments:
Sample text: ST0914D :CS4 10DXN337

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	535520000	0.81	y	18:04	-	100.00	n
13C-2,3,7,8-TCDF	842813000	0.80	y	17:32	1.57	100.00	n
2,3,7,8-TCDF	362427000	0.79	y	17:33	1.08	40.00	n
Total TCDF	-	-	n	-	1.08	40.00	n
13C-2,3,7,8-TCDD	466344000	0.81	y	18:16	0.87	100.00	n
2,3,7,8-TCDD	212495900	0.79	y	18:17	1.14	40.00	n
Total TCDD	-	-	n	-	1.14	40.00	n
37Cl-2,3,7,8-TCDD	256370000	1.00	y	18:17	1.20	40.00	n
13C-1,2,3,7,8-PeCDF	511683000	1.64	y	22:41	0.96	100.00	n
1,2,3,7,8-PeCDF	1219739000	1.58	y	22:43	1.19	200.00	n
2,3,4,7,8-PeCDF	1127043000	1.58	y	24:04	1.10	200.00	n
Total F2 PeCDF	-	-	n	-	1.15	400.00	n
Total F1 PeCDF	-	-	n	-	1.15	400.00	n
13C-1,2,3,7,8-PeCDD	274657000	1.64	y	24:48	0.51	100.00	n
1,2,3,7,8-PeCDD	638842000	1.59	y	24:49	1.16	200.00	n
Total PeCDD	-	-	n	-	1.16	200.00	n
13C-1,2,3,7,8,9-HxCDD	462770000	1.27	y	30:57	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	468583000	0.56	y	29:44	1.01	100.00	n
1,2,3,4,7,8-HxCDF	1292220000	1.25	y	29:45	1.38	200.00	n
1,2,3,6,7,8-HxCDF	1430910000	1.26	y	29:52	1.53	200.00	n
2,3,4,6,7,8-HxCDF	1339583000	1.26	y	30:28	1.43	200.00	n
1,2,3,7,8,9-HxCDF	1316898000	1.27	y	31:10	1.41	200.00	n
Total HxCDF	-	-	n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	317580000	1.28	y	30:41	0.69	100.00	n
1,2,3,4,7,8-HxCDD	814845000	1.40	y	30:37	1.28	200.00	n
1,2,3,6,7,8-HxCDD	802389000	1.14	y	30:42	1.26	200.00	n
1,2,3,7,8,9-HxCDD	945931000	1.27	y	30:58	1.49	200.00	n
Total HxCDD	-	-	n	-	1.35	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	398825000	0.45	y	32:35	0.86	100.00	n
1,2,3,4,6,7,8-HpCDF	1206583000	1.05	y	32:35	1.51	200.00	n
1,2,3,4,7,8,9-HpCDF	1018709000	1.05	y	33:47	1.28	200.00	n
Total HpCDF	-	-	n	-	1.39	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	290273000	1.07	y	33:27	0.63	100.00	n
1,2,3,4,6,7,8-HpCDD	700815000	1.06	y	33:28	1.21	200.00	n
Total HpCDD	-	-	n	-	1.21	200.00	n
13C-OCDD	265263000	0.94	y	36:03	0.29	200.00	n
OCDF	1216609000	0.91	y	36:11	2.29	400.00	n
OCDD	778765000	0.91	y	36:04	1.47	400.00	n

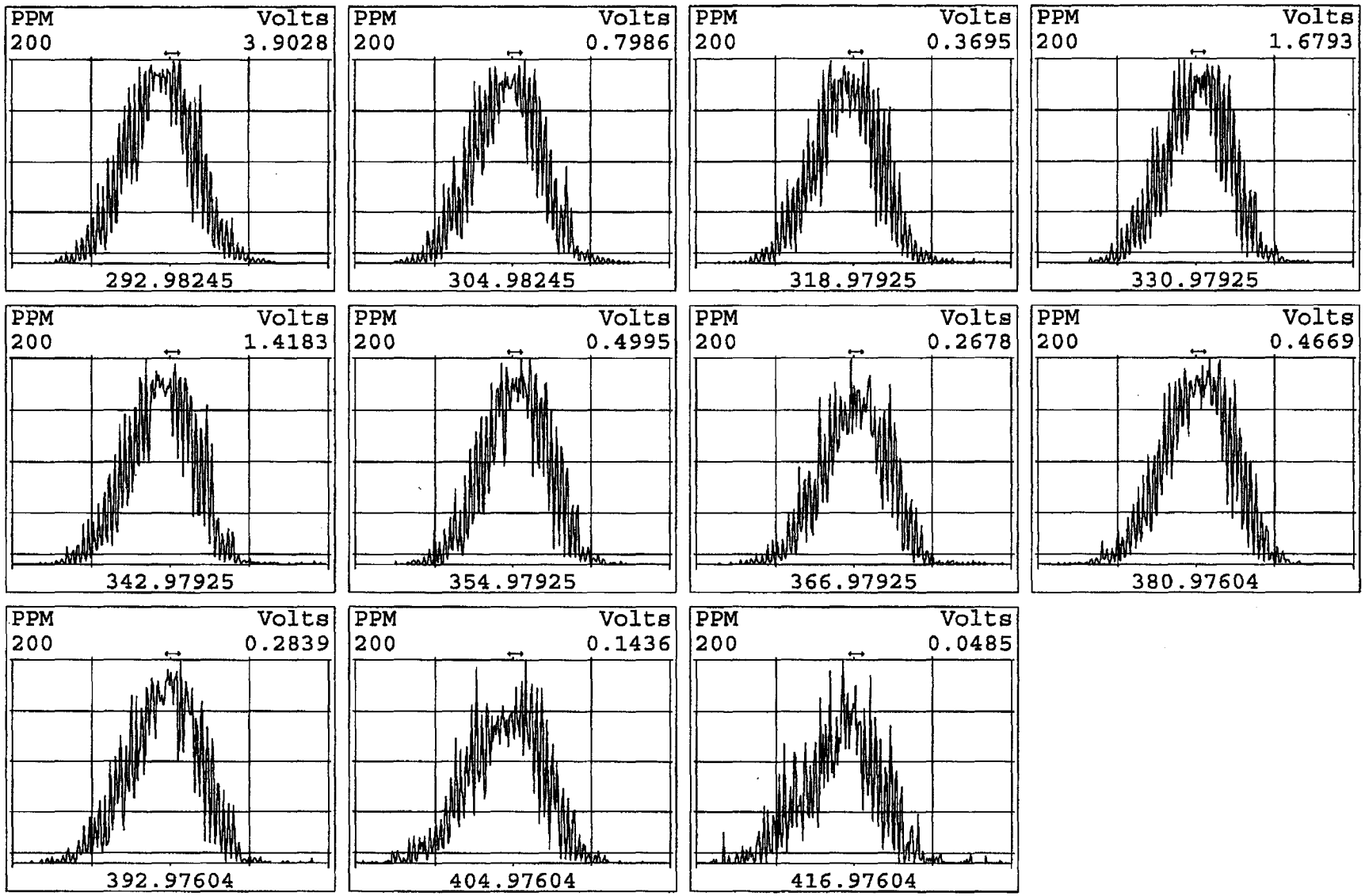
Run #5 Filename 14SE101D5 S: 5 I: 1
Acquired: 14-SEP-10 13:28:23 Processed: 14-SEP-10 14:52:08
Run: 16JN10A1D5 Analyte: 8290 Cal: 82900914101D5
Comments:
Sample text: ST0914C :CS5 10DXN339

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	347112000	0.80	y	18:00	-	100.00	n
13C-2,3,7,8-TCDF	522588000	0.81	y	17:27	1.51	100.00	n
2,3,7,8-TCDF	1115977000	0.78	y	17:28	1.07	200.00	n
Total TCDF	-	-	n	-	1.07	200.00	n
13C-2,3,7,8-TCDD	307117000	0.80	y	18:12	0.88	100.00	n
2,3,7,8-TCDD	692640000	0.79	y	18:13	1.13	200.00	n
Total TCDD	-	-	n	-	1.13	200.00	n
37Cl-2,3,7,8-TCDD	876576000	1.00	y	18:13	1.26	200.00	n
13C-1,2,3,7,8-PeCDF	300248000	1.65	y	22:40	0.86	100.00	n
1,2,3,7,8-PeCDF	3574990000	1.58	y	22:42	1.19	1000.00	n
2,3,4,7,8-PeCDF	3329380000	1.58	y	24:03	1.11	1000.00	n
Total F2 PeCDF	-	-	n	-	1.15	2000.00	n
Total F1 PeCDF	-	-	n	-	1.15	2000.00	n
13C-1,2,3,7,8-PeCDD	152444200	1.63	y	24:47	0.44	100.00	n
1,2,3,7,8-PeCDD	1862059000	1.60	y	24:49	1.22	1000.00	n
Total PeCDD	-	-	n	-	1.22	1000.00	n
13C-1,2,3,7,8,9-HxCDD	287274000	1.27	y	30:58	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	254792000	0.50	y	29:43	0.89	100.00	n
1,2,3,4,7,8-HxCDF	3066580000	1.22	y	29:44	1.20	1000.00	n
1,2,3,6,7,8-HxCDF	4440590000	1.26	y	29:51	1.74	1000.00	n
2,3,4,6,7,8-HxCDF	4051220000	1.25	y	30:28	1.59	1000.00	n
1,2,3,7,8,9-HxCDF	4033520000	1.27	y	31:09	1.58	1000.00	n
Total HxCDF	-	-	n	-	1.53	4000.00	n
13C-1,2,3,6,7,8-HxCDD	224019200	1.30	y	30:41	0.78	100.00	n
1,2,3,4,7,8-HxCDD	2521560000	1.25	y	30:36	1.13	1000.00	n
1,2,3,6,7,8-HxCDD	2729310000	1.28	y	30:42	1.22	1000.00	n
1,2,3,7,8,9-HxCDD	2959990000	1.26	y	30:59	1.32	1000.00	n
Total HxCDD	-	-	n	-	1.22	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	260830600	0.46	y	32:34	0.91	100.00	n
1,2,3,4,6,7,8-HpCDF	3870970000	1.04	y	32:35	1.48	1000.00	n
1,2,3,4,7,8,9-HpCDF	3413660000	1.05	y	33:46	1.31	1000.00	n
Total HpCDF	-	-	n	-	1.40	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	188408700	1.09	y	33:26	0.66	100.00	n
1,2,3,4,6,7,8-HpCDD	2324050000	1.07	y	33:27	1.23	1000.00	n
Total HpCDD	-	-	n	-	1.23	1000.00	n
13C-OCDD	196611600	0.93	y	36:03	0.34	200.00	n
OCDF	4641040000	0.92	y	36:10	2.36	2000.00	n
OCDD	2881020000	0.92	y	36:03	1.47	2000.00	n

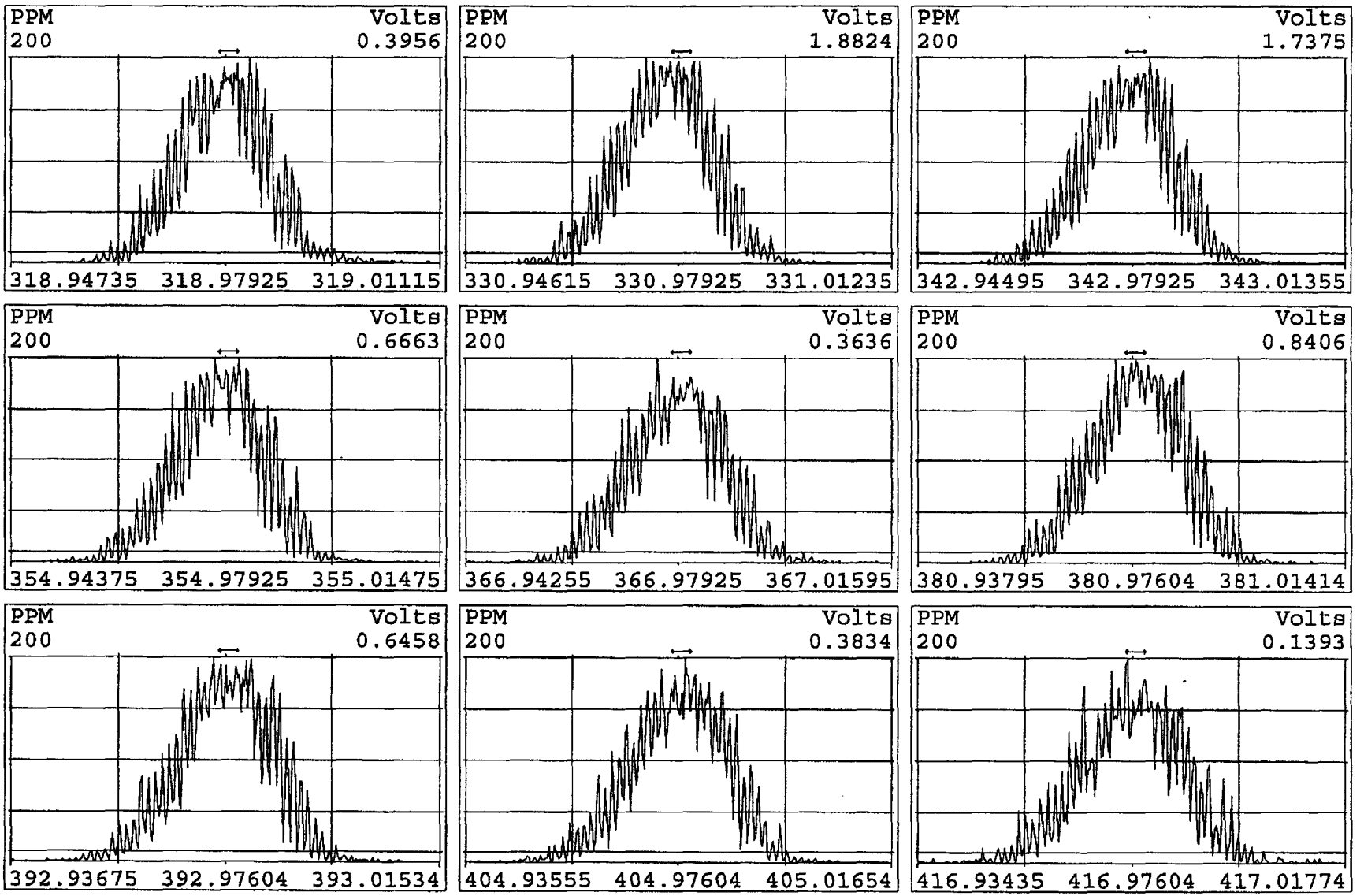
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
14SE101D5	1	CP0914	DB-5 CPSM 3732-07				1.00000	
14SE101D5	2	ST0914	CS3 10DXN426				1.00000	
14SE101D5	3	ST0914A	CS2 10DXN335				1.00000	
14SE101D5	4	ST0914B	CS1 10DXN342				1.00000	
14SE101D5	5	ST0914C	CS5 10DXN339				1.00000	
14SE101D5	6	ST0914D	CS4 10DXN337				1.00000	
14SE101D5	7	ST0914E	2nd Source 10DXN340				1.00000	
14SE101D5	8	ST0914F	CS3 10DXN426				1.00000	
14SE101D5	9	ST0914G	CS2 10DXN335				1.00000	
14SE101D5	10	L6HRQ-1-AA	G0I030000-170B	20	8290/1613B	28	10.00000	g
14SE101D5	11	L53H4-1-AD	G0H240520-1MS	20	1613B/SOLID		10.06000	g
14SE101D5	12	L53H4-1-AE	G0H240520-1SD	20	1613B/SOLID		10.23000	g
14SE101D5	13	L58JX-1-AC	G0H270560-1	20	1613B/SOLID	23	10.29000	g
14SE101D5	14	L6HRQ-1-AC	G0I030000-170C	20	8290/1613B	28	10.00000	g
14SE101D5	15	L6HRQ-1-AD	G0I030000-170L	20	8290/1613B		10.00000	g
14SE101D5	16	ST0914H	CS2 10DXN335				1.00000	
14SE101D5	17						1.00000	
14SE101D5	18						1.00000	
14SE101D5	19		MG 09/14/10				1.00000	

log file reviewed
9-14-10 am

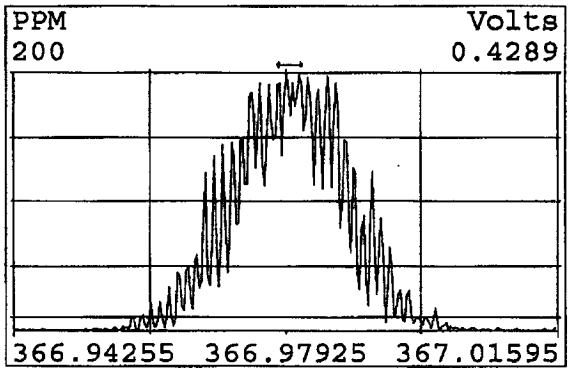
Peak Locate Examination:14-SEP-2010:10:30 File:14SE101D5
Experiment:DIOXINRES Function:1 Reference:PFK

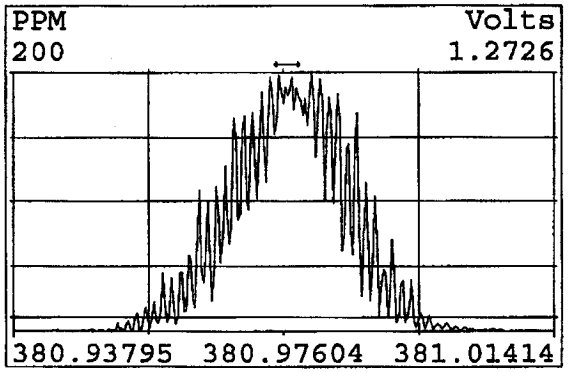


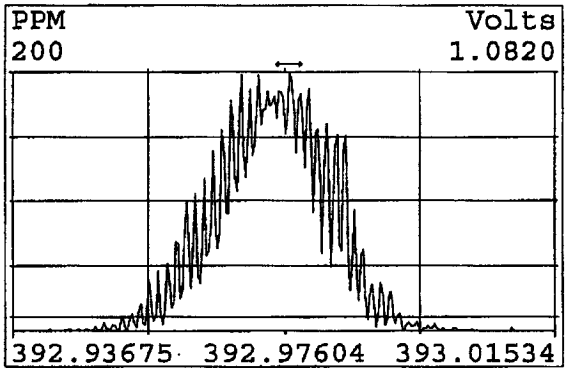
Peak Locate Examination:14-SEP-2010:10:31 File:14SE101D5
Experiment:DIOXINRES Function:2 Reference:PFK

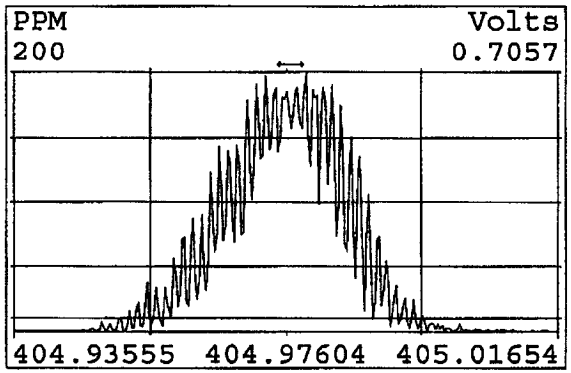


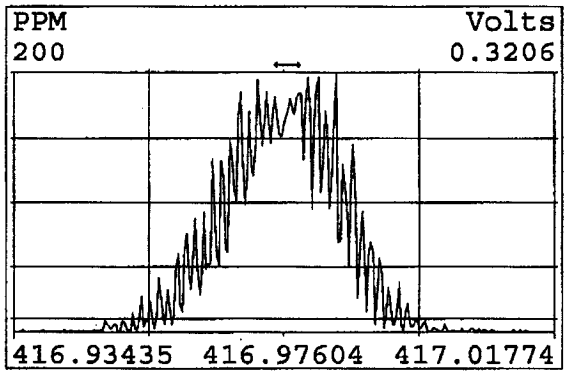
Peak Locate Examination:14-SEP-2010:10:32 File:14SE101D5
Experiment:DIOXINRES Function:3 Reference:PFK

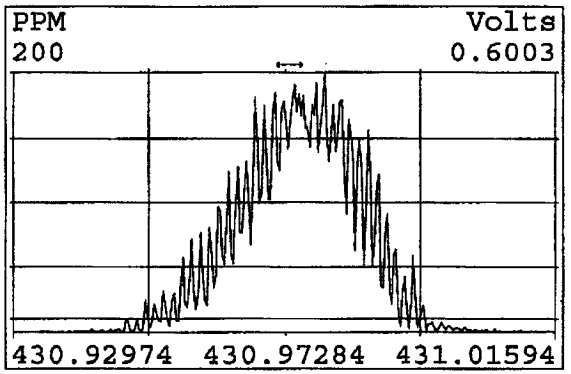


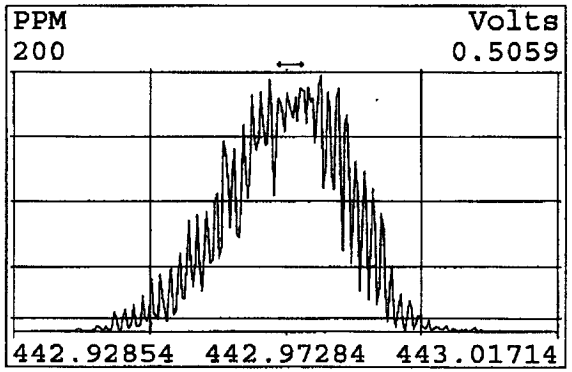


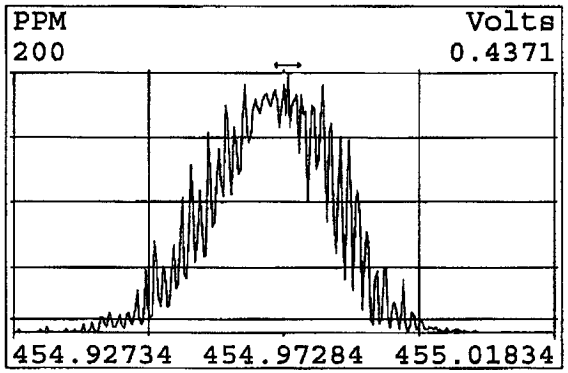




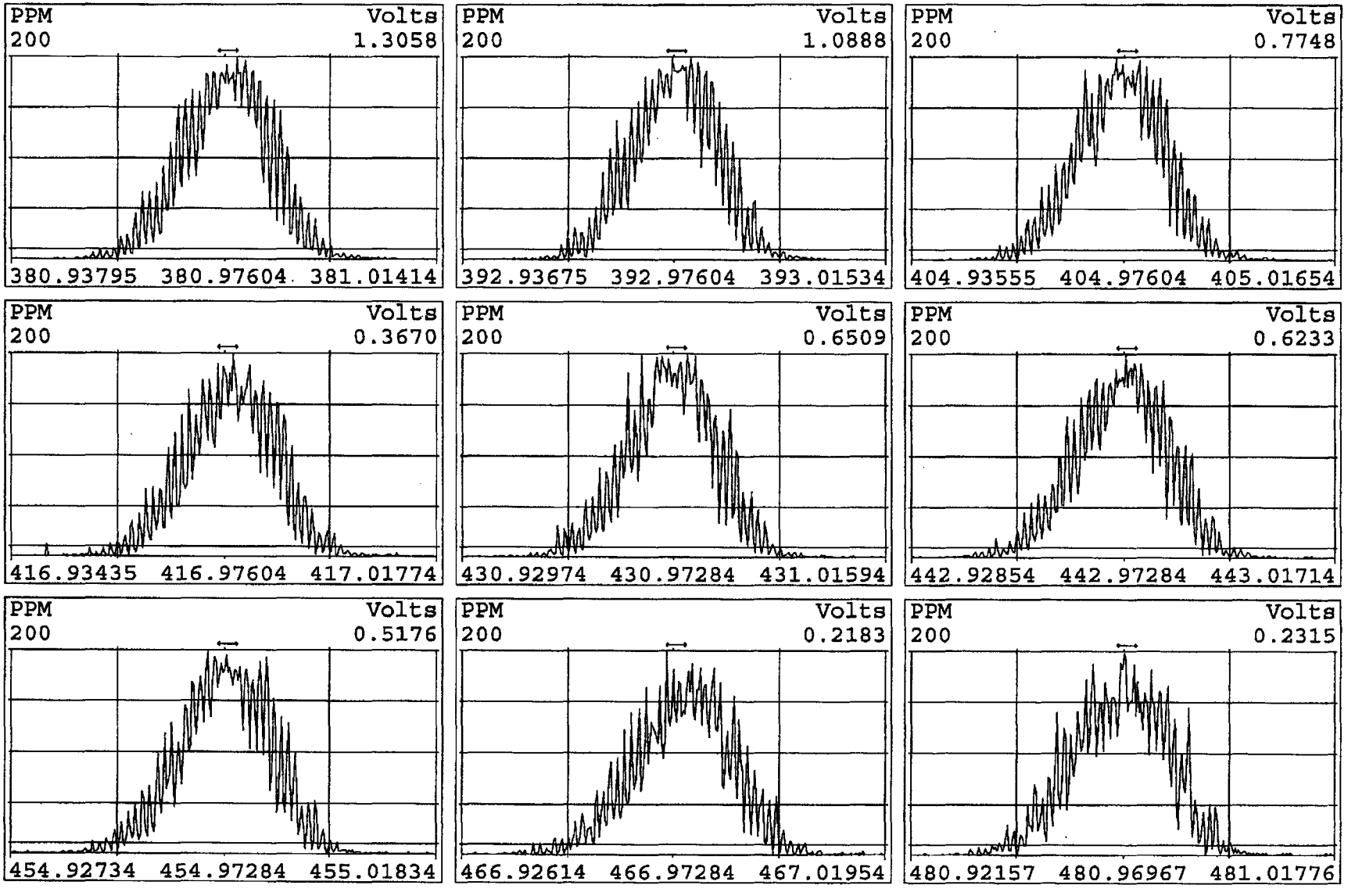




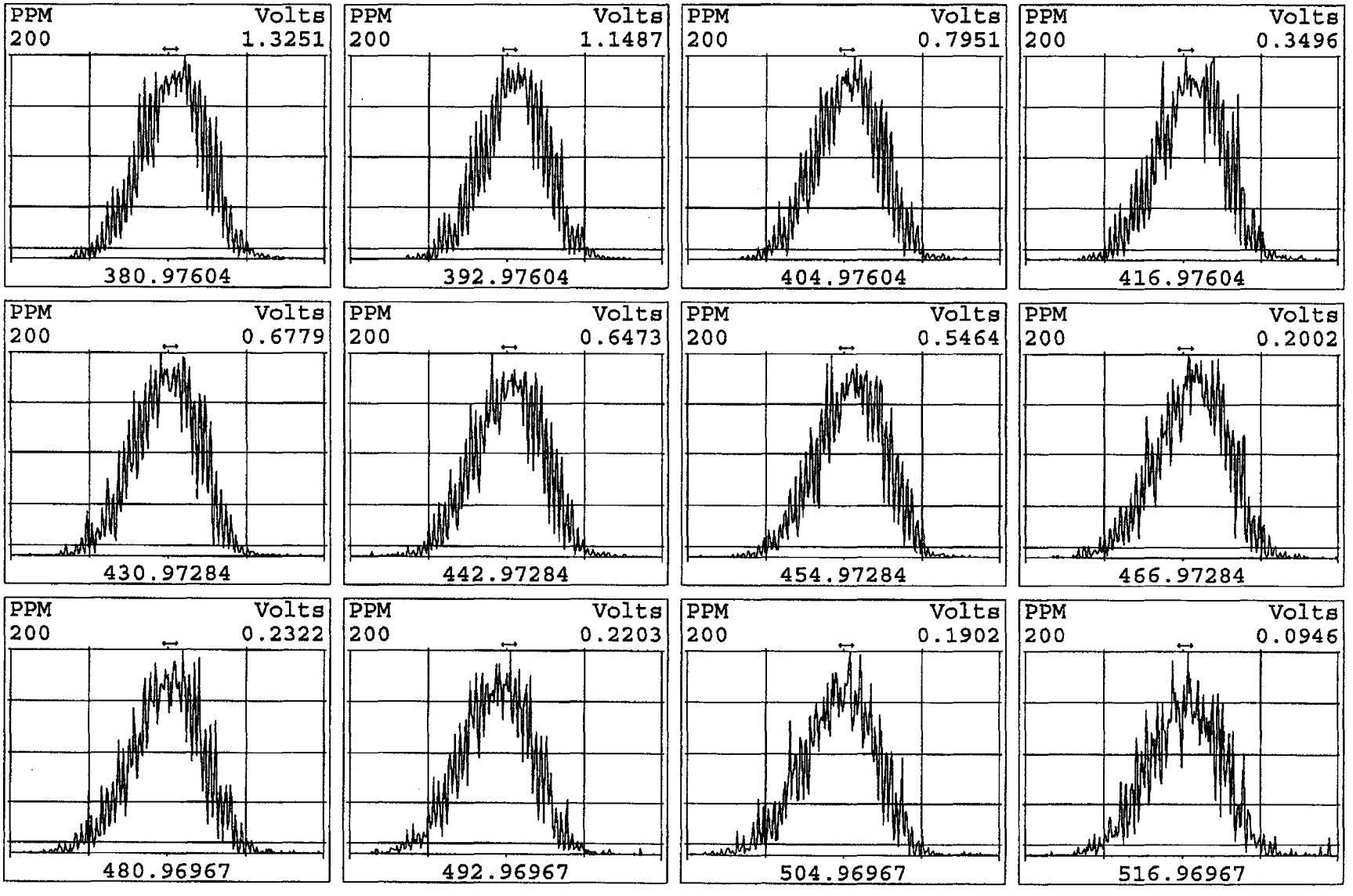




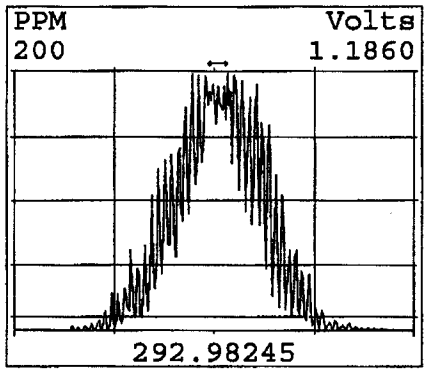
Peak Locate Examination:14-SEP-2010:10:33 File:14SE101D5
Experiment:DIOXINRES Function:4 Reference:PFK

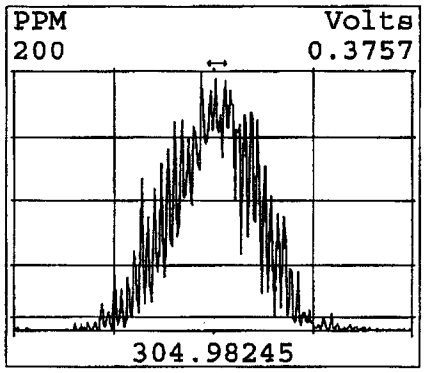


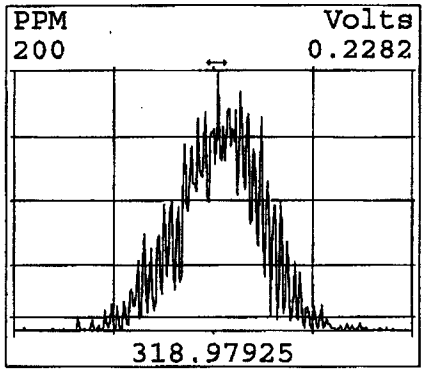
Peak Locate Examination:14-SEP-2010:10:33 File:14SE101D5
Experiment:DIOXINRES Function:5 Reference:PFK

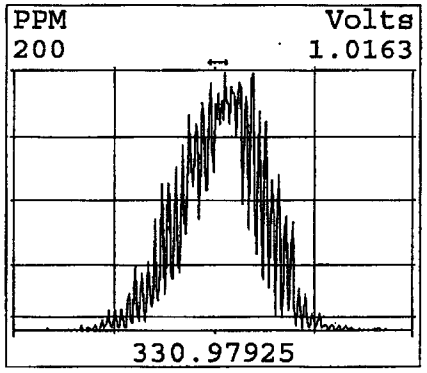


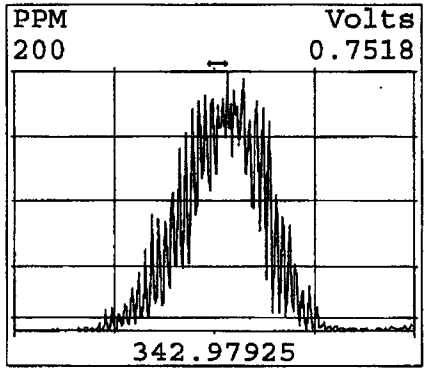
Peak Locate Examination:14-SEP-2010:22:10 File:RESCHK14SE101D5
Experiment:DIOXINRES Function:1 Reference:PFK

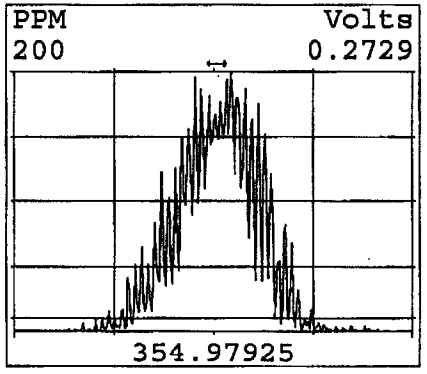


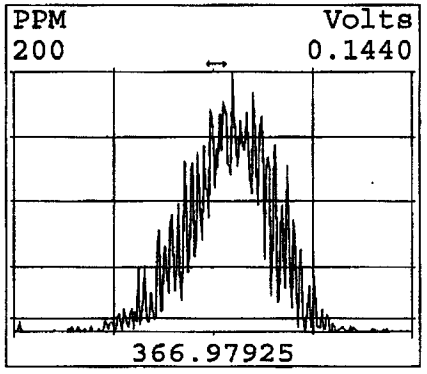


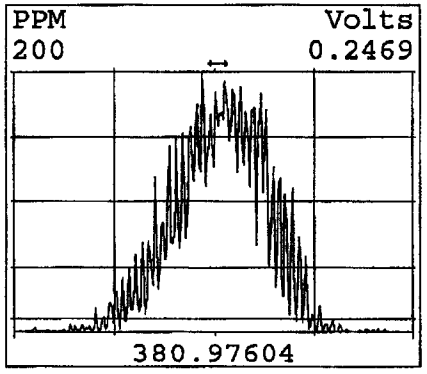


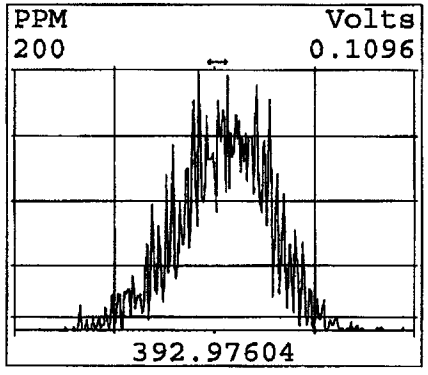


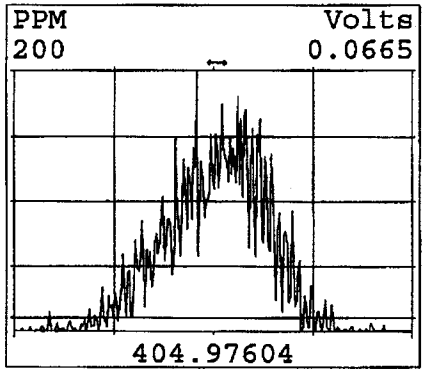


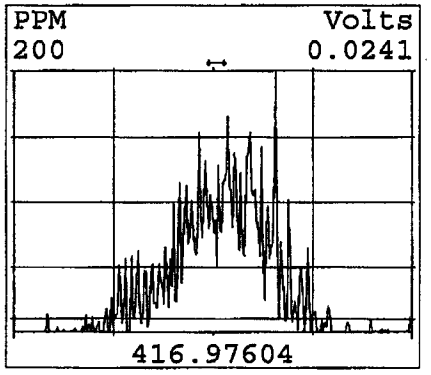




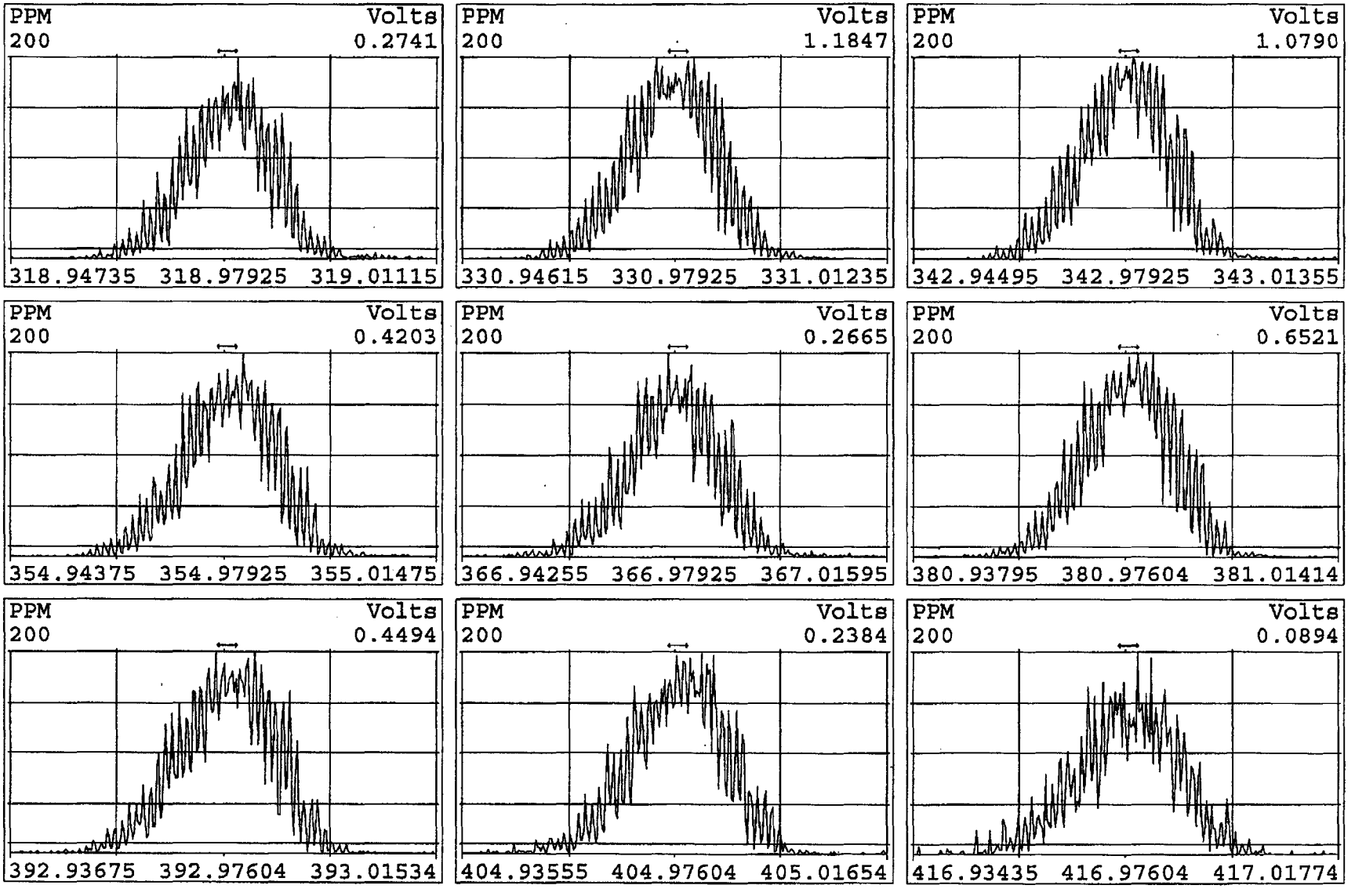




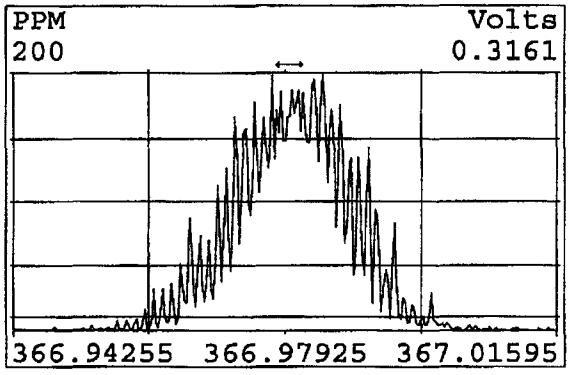


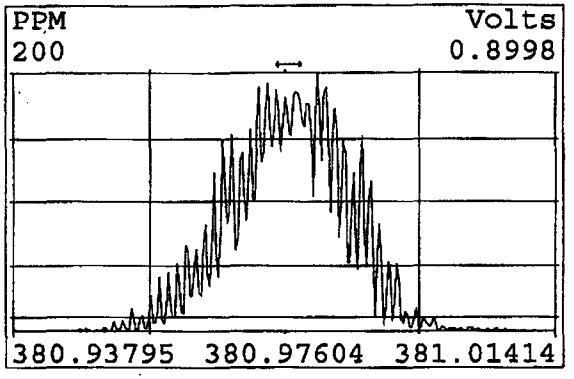


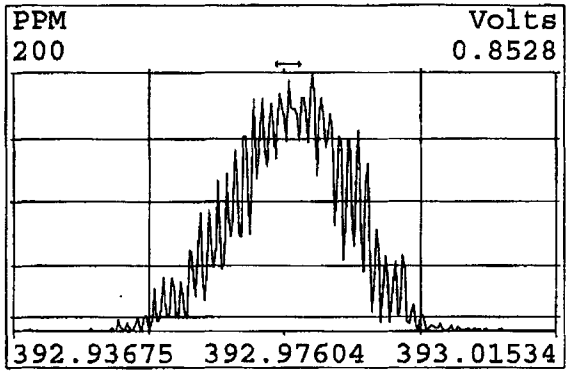
Peak Locate Examination:14-SEP-2010:22:12 File:RESCHK14SE101D5
Experiment:DIOXINRES Function:2 Reference:PFK

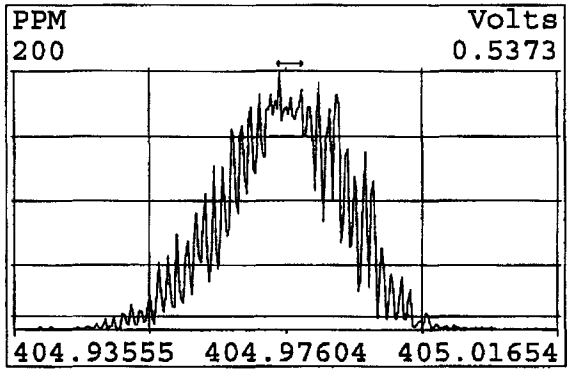


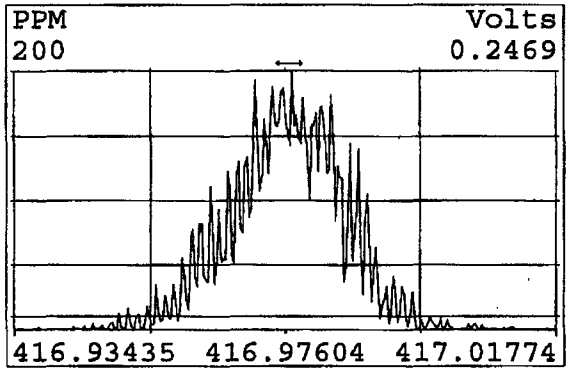
Peak Locate Examination:14-SEP-2010:22:15 File:RESCHK14SE101D5
Experiment:DIOXINRES Function:3 Reference:PFK

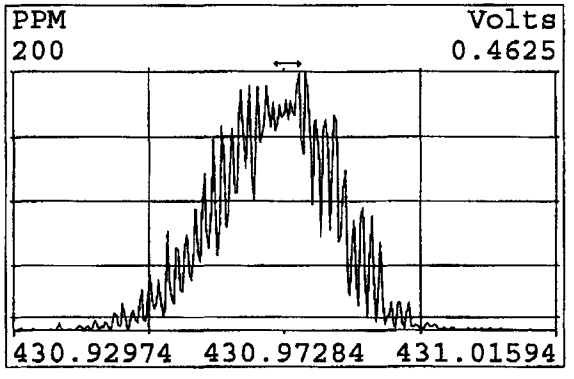


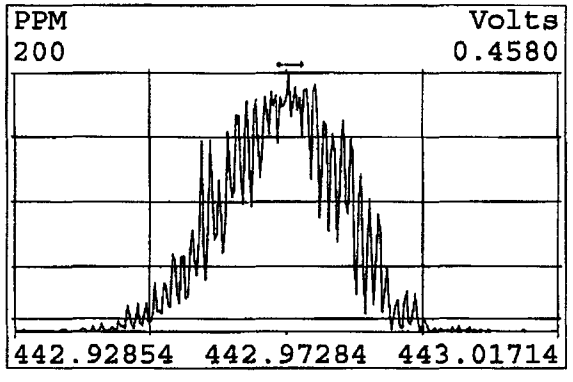


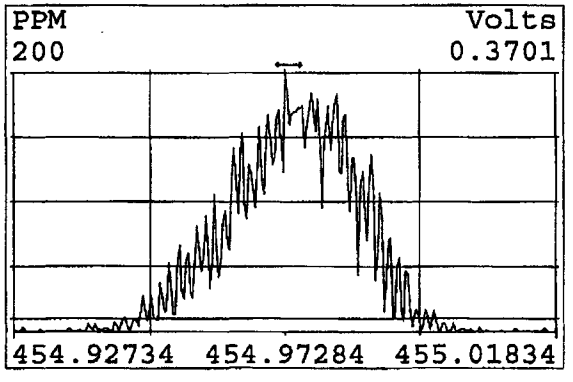




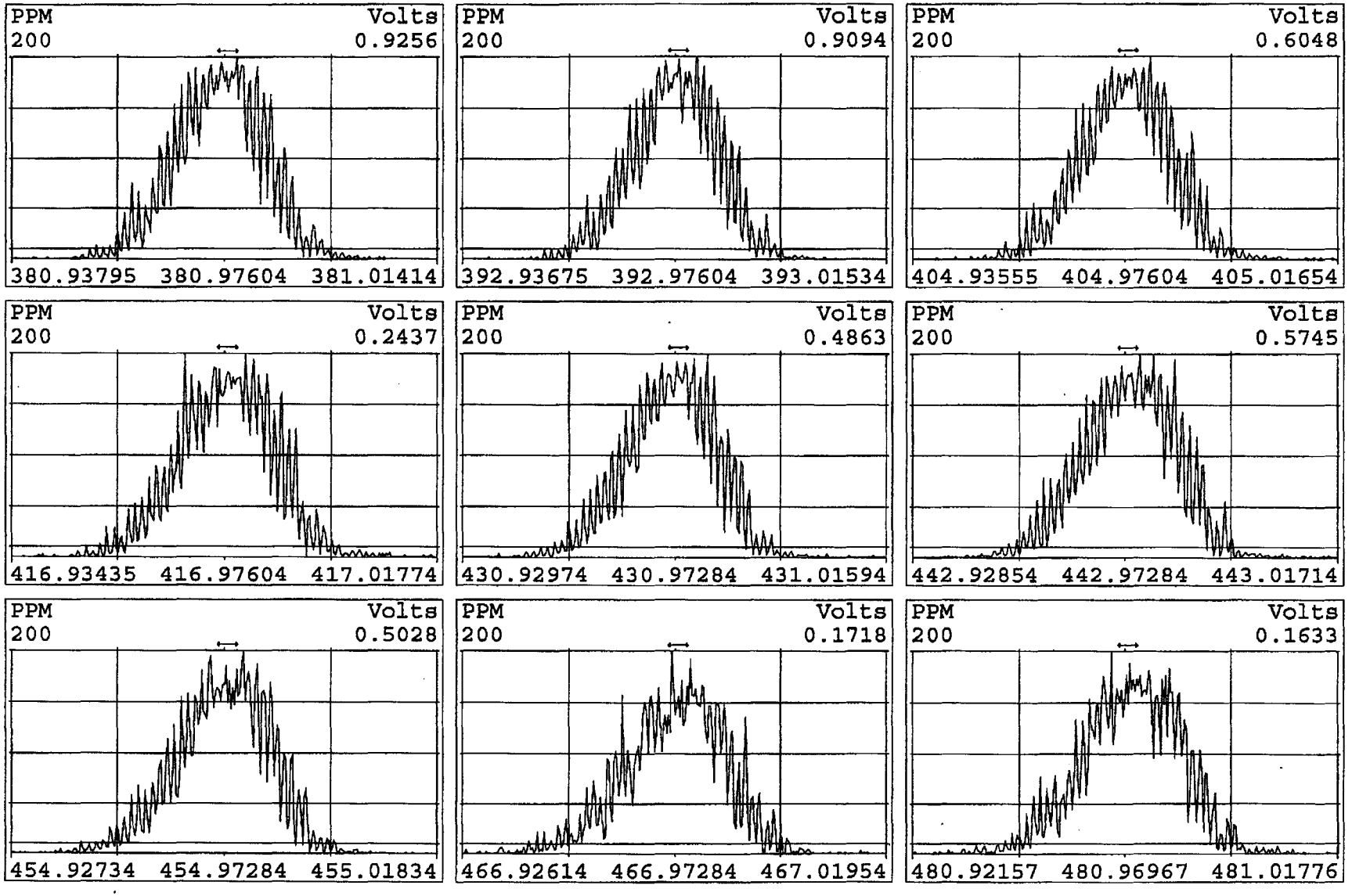




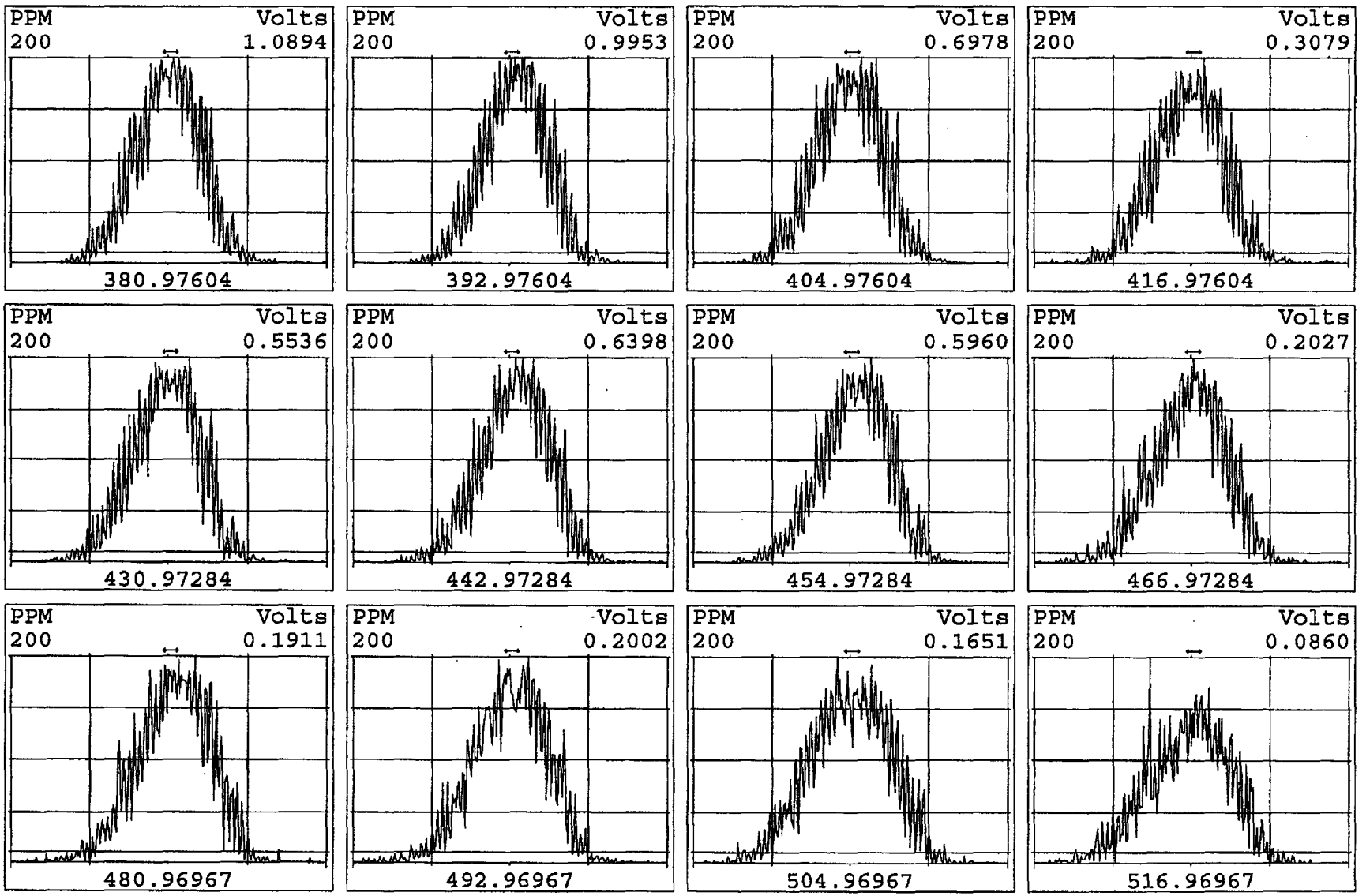


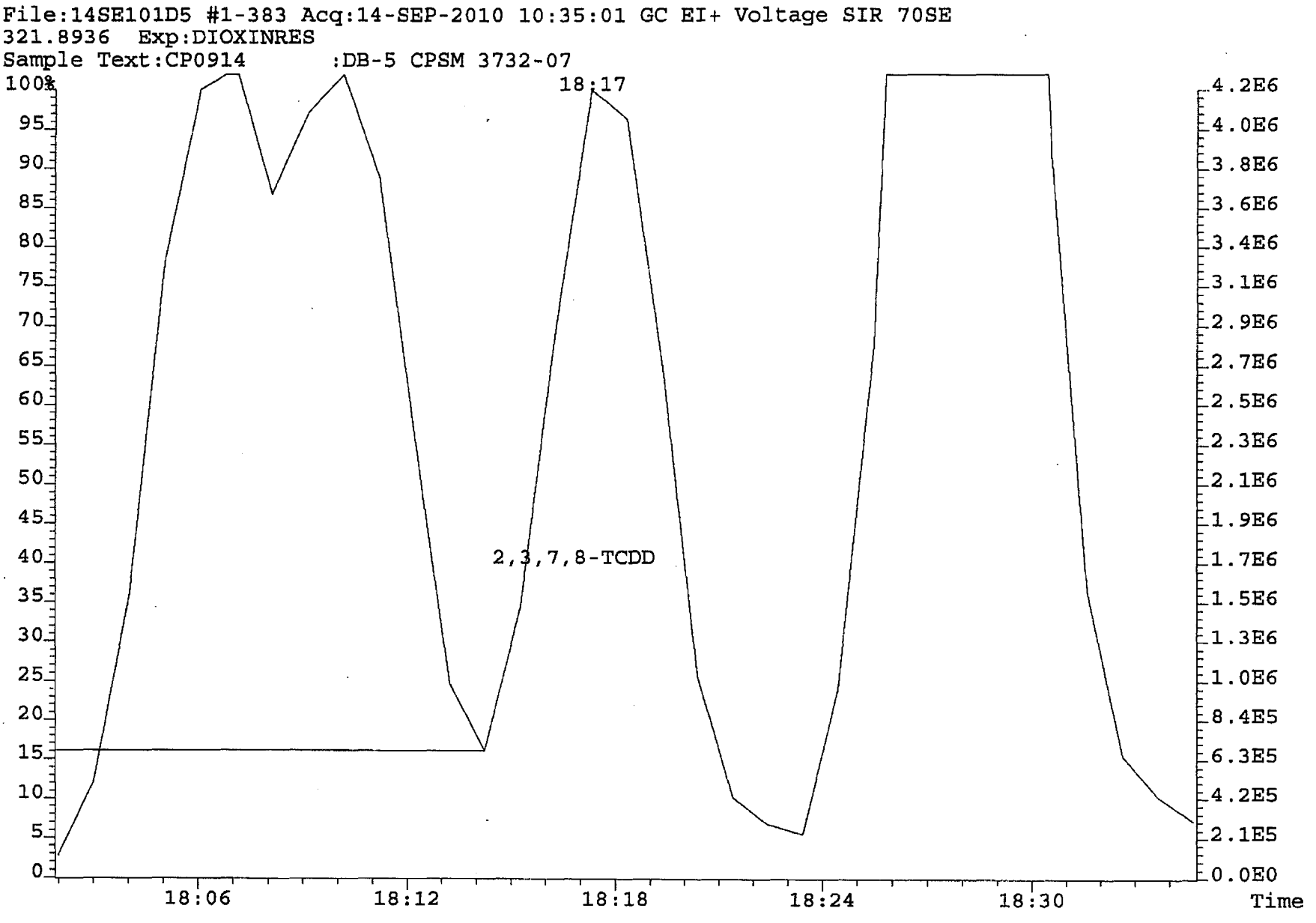


Peak Locate Examination:14-SEP-2010:22:16 File:RESCHK14SE101D5
Experiment:DIOXINRES Function:4 Reference:PFK



Peak Locate Examination:14-SEP-2010:22:21 File:RESCHK14SE101D5
Experiment:DIOXINRES Function:5 Reference:PFK



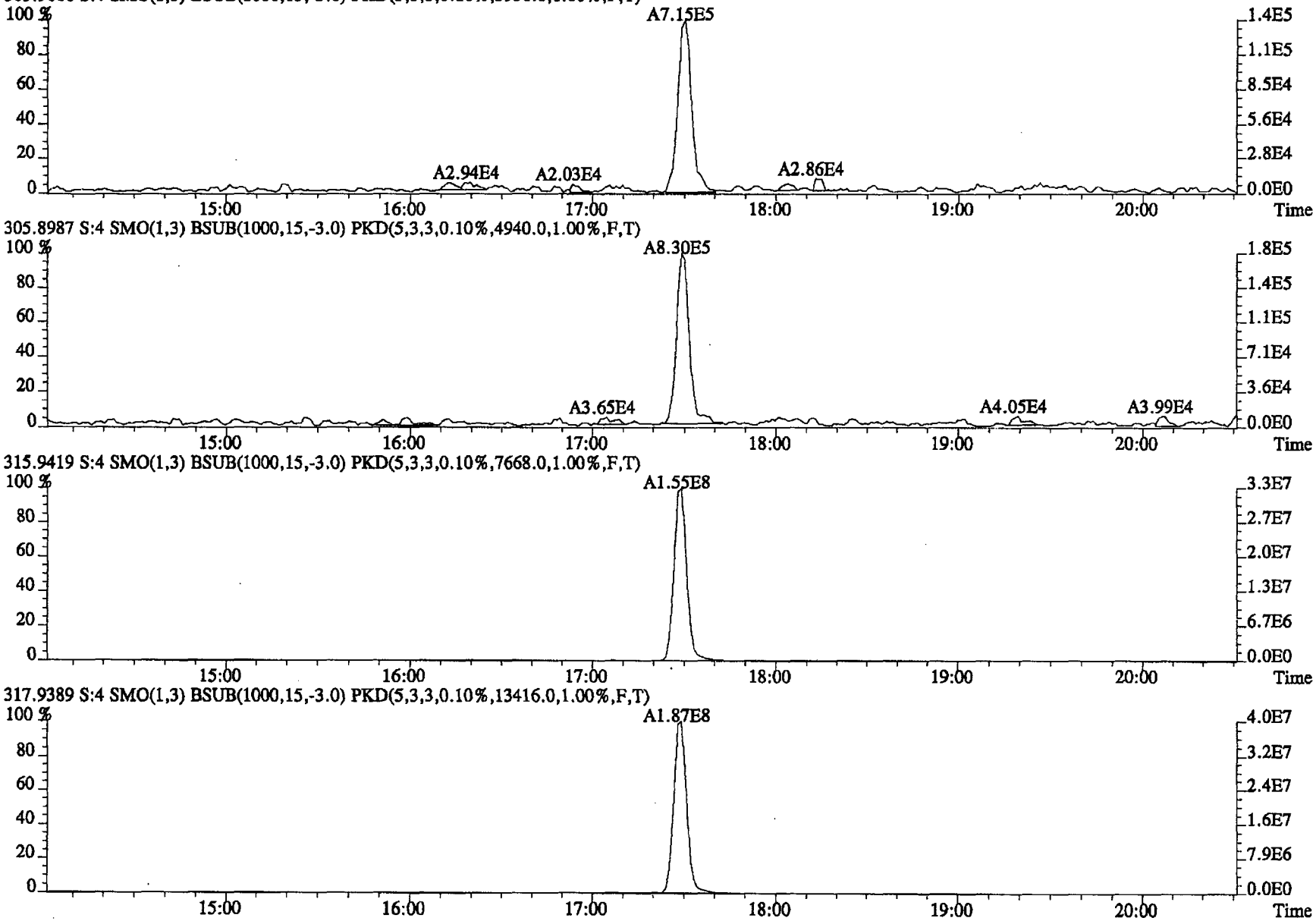


Run text: ST0914E Sample text: ST0914E :2nd Source 10DXN340
Run #6 Filename: 14SE101D5 S: 7 I: 1 Results: 14SE101D51613
Acquired: 14-SEP-10 14:54:17 Processed: 14-SEP-10 21:06:22
Run: 14SE101D5 Analyte: 1613 Cal: 16130914101D5
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

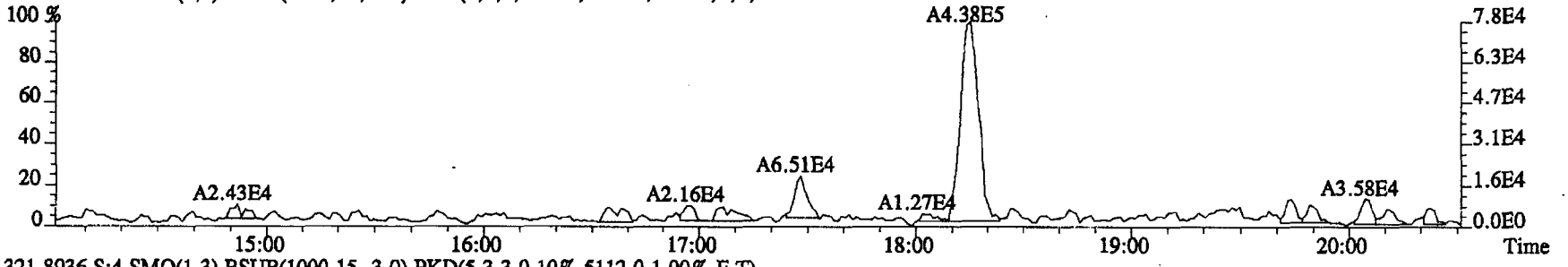
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	294707000	0.83	y	18:01	-	84.34	-	4.2	n
13C-2,3,7,8-TCDF	504927000	0.81	y	17:29	1.56	2192.25	0.84	109.6	n
2,3,7,8-TCDF	45869100	0.74	y	17:30	0.98	184.69	0.39	-	n
Total TCDF	46046046	1.11	n	17:06	0.98	185.40	0.39	-	n
13C-2,3,7,8-TCDD	290657000	0.79	y	18:12	0.92	2141.97	3.25	107.1	n
2,3,7,8-TCDD	27099900	0.81	y	18:13	1.03	180.75	0.94	-	n
Total TCDD	27099900	0.81	y	18:13	1.03	180.75	0.94	-	n
37Cl-2,3,7,8-TCDD	73359000	1.00	y	18:13	1.12	442.68	1.28	110.7	n
13C-1,2,3,7,8-PeCDF	369828000	1.63	y	22:41	1.05	2384.48	1.65	119.2	n
1,2,3,7,8-PeCDF	91904300	1.62	y	22:43	1.09	455.07	1.01	-	n
13C-2,3,4,7,8-PeCDF	352541000	1.64	y	24:03	1.03	2326.05	1.69	116.3	n
2,3,4,7,8-PeCDF	85889400	1.59	y	24:05	1.05	466.16	1.22	-	n
Total F2 PeCDF	179869859	1.36	y	21:19	1.07	931.99	1.11	-	n
Total F1 PeCDF	470418	0.68	n	15:13	1.07	2.44	0.78	-	n
13C-1,2,3,7,8-PeCDD	194246700	1.68	y	24:49	0.56	2350.36	1.07	117.5	n
1,2,3,7,8-PeCDD	44763900	1.67	y	24:50	1.07	430.61	1.58	-	n
Total PeCDD	44950087	2.35	n	23:19	1.07	432.40	1.58	-	n
13C-1,2,3,7,8,9-HxCDD	312431000	1.27	y	30:58	-	95.19	-	-	n
13C-1,2,3,4,7,8-HxCDF	326959000	0.53	y	29:44	0.99	2112.34	2.10	105.6	n
1,2,3,4,7,8-HxCDF	106342300	1.35	y	29:46	1.26	515.88	1.70	-	n
13C-1,2,3,6,7,8-HxCDF	458136000	0.54	y	29:51	1.29	2276.48	1.61	113.8	n
1,2,3,6,7,8-HxCDF	127771800	1.22	y	29:52	1.18	471.57	1.32	-	n
13C-2,3,4,6,7,8-HxCDF	407372000	0.53	y	30:28	1.15	2275.96	1.81	113.8	n
2,3,4,6,7,8-HxCDF	112225700	1.25	y	30:28	1.22	452.83	1.26	-	n
13C-1,2,3,7,8,9-HxCDF	400528000	0.52	y	31:10	1.17	2182.35	1.77	109.1	n
1,2,3,7,8,9-HxCDF	112624000	1.28	y	31:10	1.18	478.46	1.37	-	n
Total HxCDF	458963800	1.35	y	29:46	1.21	1918.74	1.40	-	n
13C-1,2,3,4,7,8-HxCDD	252413000	1.30	y	30:37	0.79	2056.70	0.85	102.8	n
1,2,3,4,7,8-HxCDD	61457200	1.28	y	30:37	1.05	461.65	0.75	-	n
13C-1,2,3,6,7,8-HxCDD	264678000	1.30	y	30:42	0.74	2291.20	0.91	114.6	n
1,2,3,6,7,8-HxCDD	64770600	1.33	y	30:42	1.14	428.87	0.69	-	n
1,2,3,7,8,9-HxCDD	75705800	1.29	y	30:59	1.31	446.13	0.60	-	n
Total HxCDD	202056137	2.68	n	29:51	1.17	1337.46	0.68	-	n
13C-1,2,3,4,6,7,8-HpCDF	329233000	0.46	y	32:35	0.96	2204.31	2.87	110.2	n
1,2,3,4,6,7,8-HpCDF	111093700	1.04	y	32:35	1.41	479.25	1.00	-	n
13C-1,2,3,4,7,8,9-HpCDF	293714500	0.45	y	33:47	0.84	2240.40	3.27	112.0	n
1,2,3,4,7,8,9-HpCDF	95348300	1.08	y	33:48	1.41	460.79	1.17	-	n
Total HpCDF	206442000	1.04	y	32:35	1.41	940.04	1.08	-	n

13C-1,2,3,4,6,7,8-HpCDD	249861000	1.09	y	33:27	0.71	2245.81	1.90	112.3	n
1,2,3,4,6,7,8-HpCDD	65188500	1.08	y	33:27	1.13	460.00	0.66	-	n
Total HpCDD	65582438	2.91	n	32:35	1.13	462.78	0.66	-	n
13C-OCDD	237180000	0.92	y	36:04	0.35	4304.94	3.77	107.6	n
OCDF	120958900	0.88	y	36:12	2.12	963.37	1.13	-	n
OCDD	76632000	0.92	y	36:04	1.37	942.58	1.77	-	n

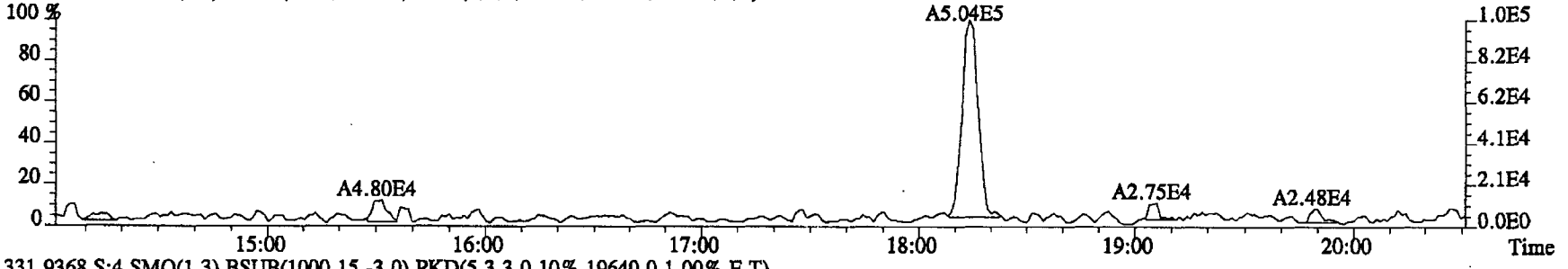
File:14SE101D5 #1-382 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES



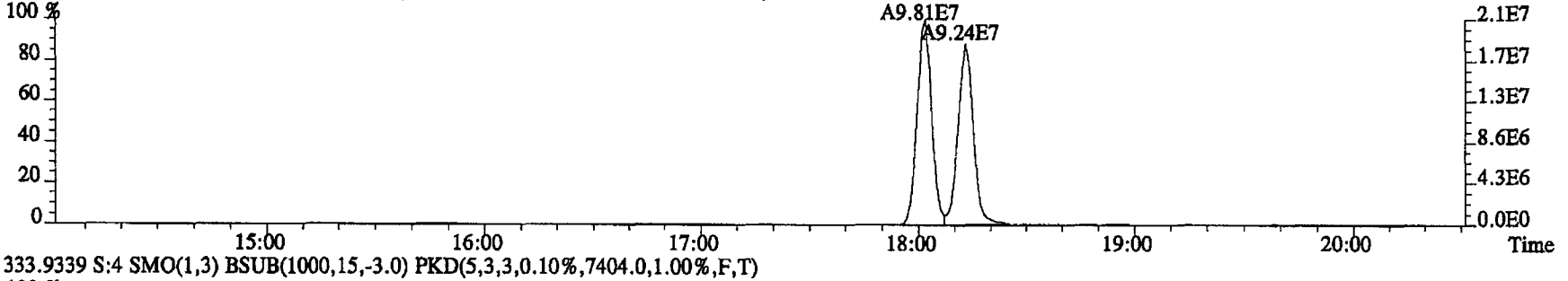
File:14SE101D5 #1-382 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3932.0,1.00%,F,T)



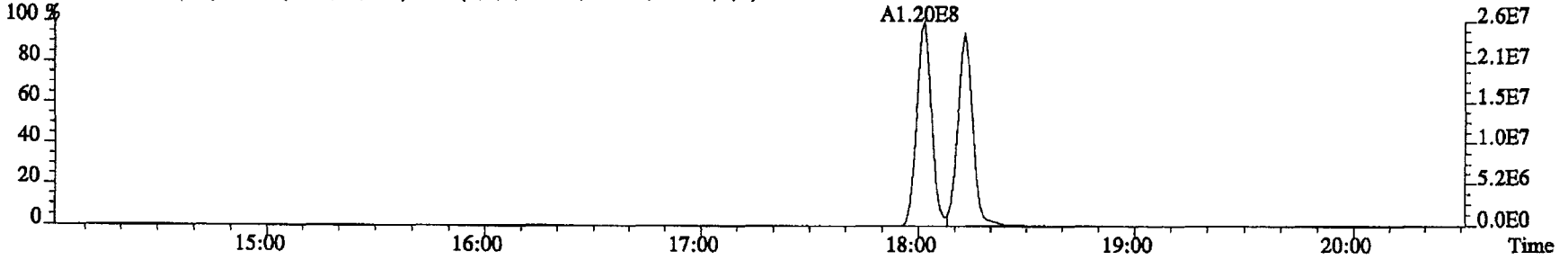
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5112.0,1.00%,F,T)



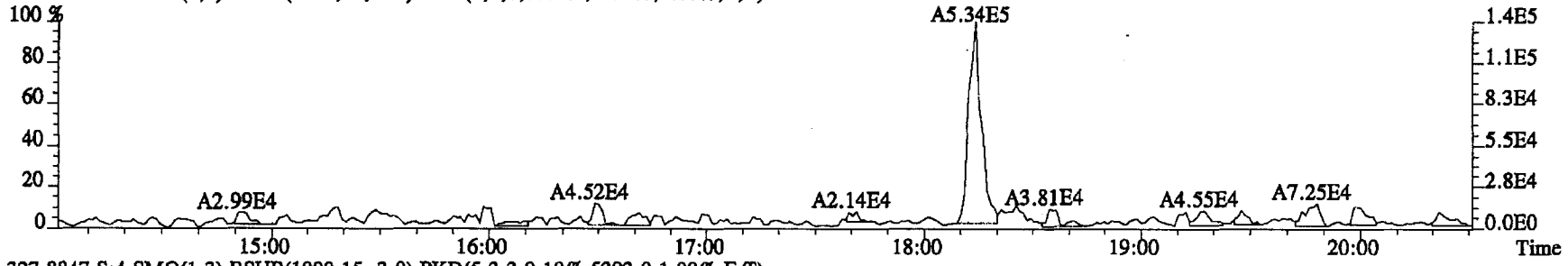
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19640.0,1.00%,F,T)



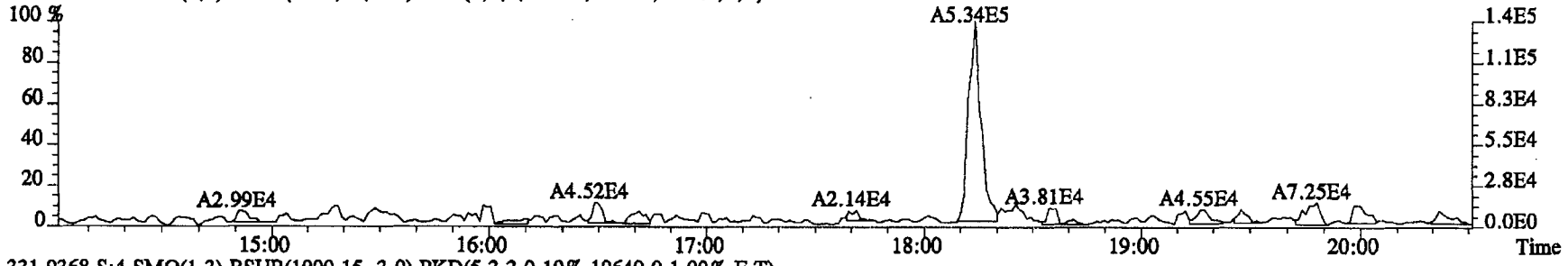
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7404.0,1.00%,F,T)



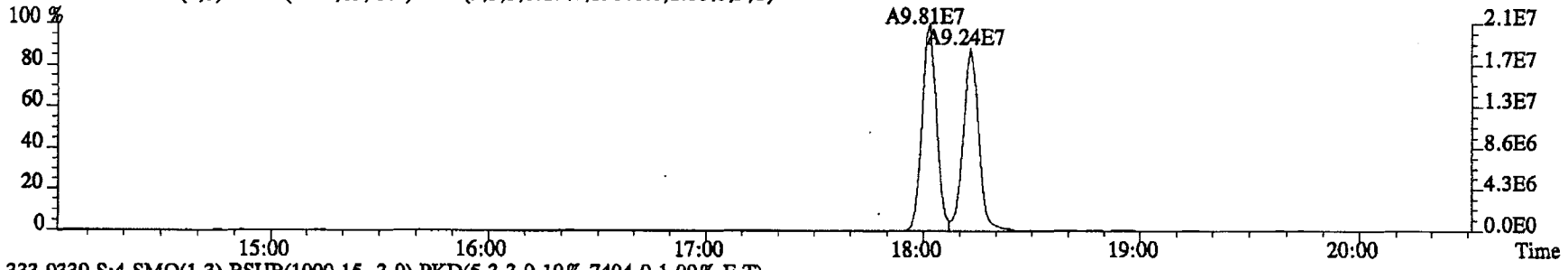
File:14SE101D5 #1-382 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292.0,1.00%,F,T)



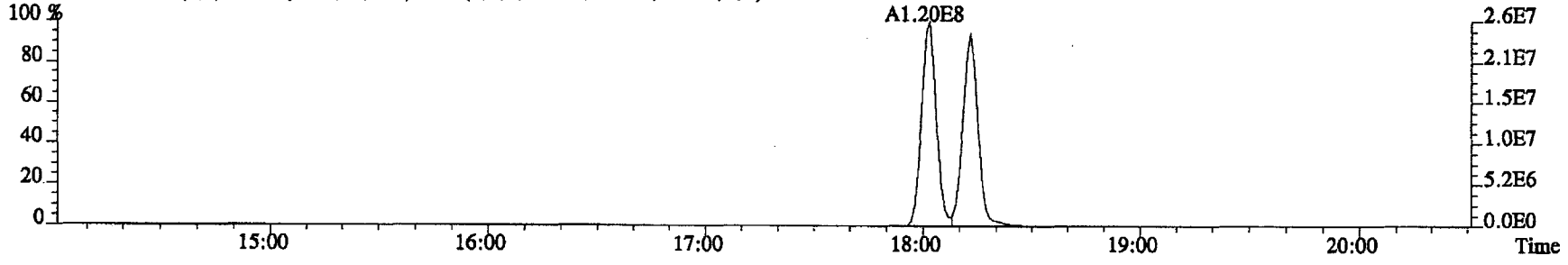
327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5292.0,1.00%,F,T)



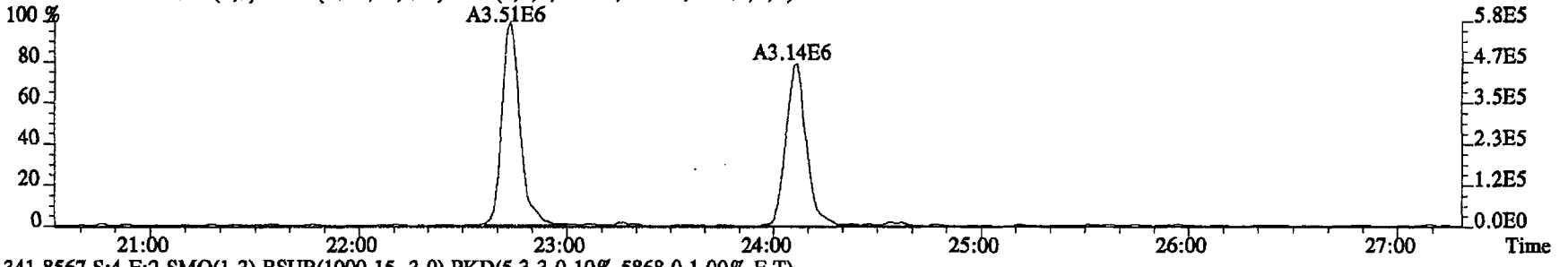
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19640.0,1.00%,F,T)



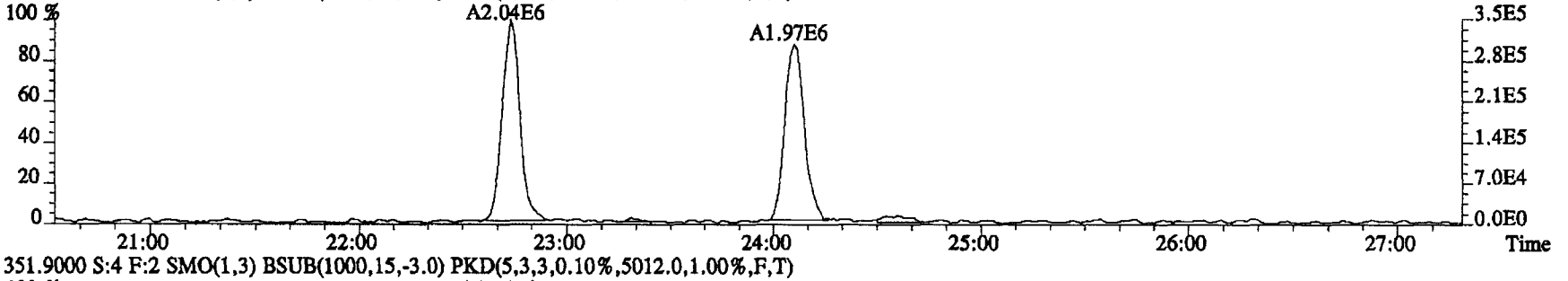
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7404.0,1.00%,F,T)



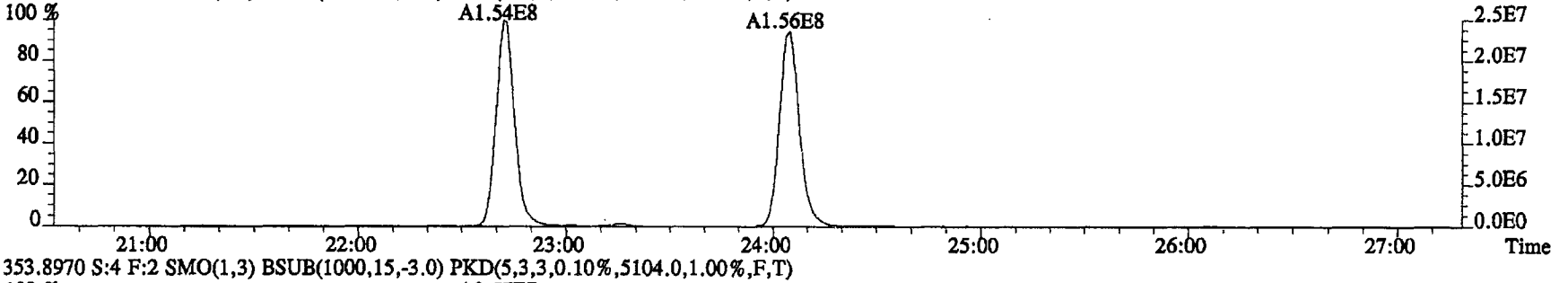
File:14SE101D5 #1-422 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3448.0,1.00%,F,T)



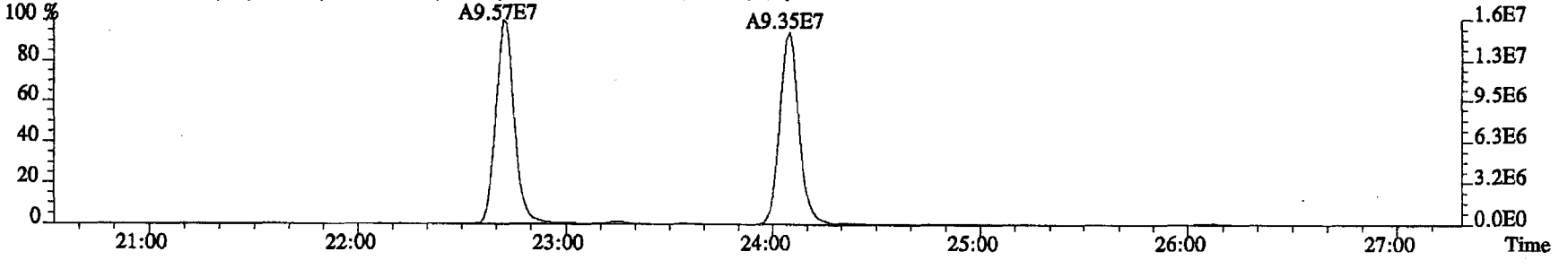
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5868.0,1.00%,F,T)



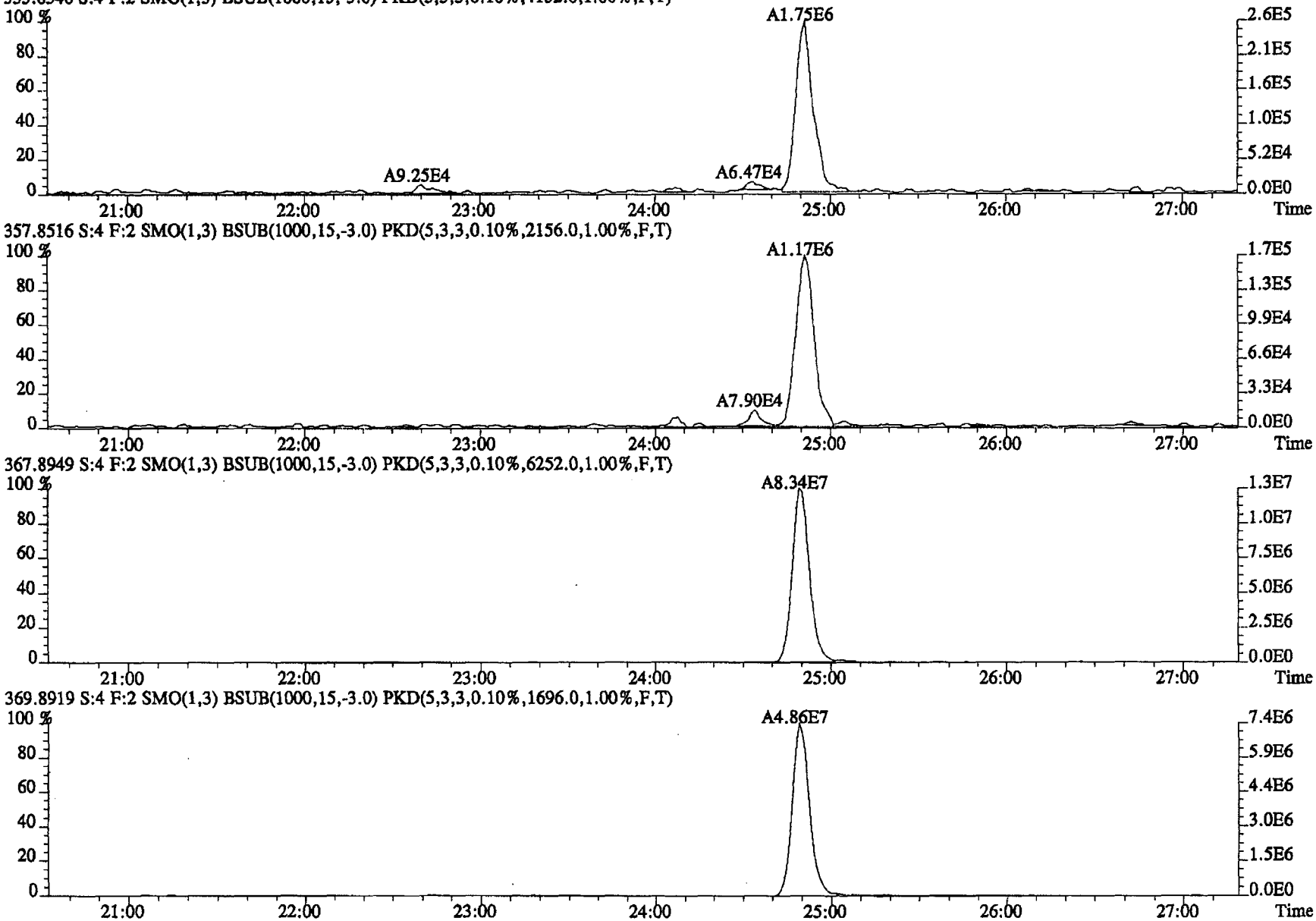
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5012.0,1.00%,F,T)



353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5104.0,1.00%,F,T)

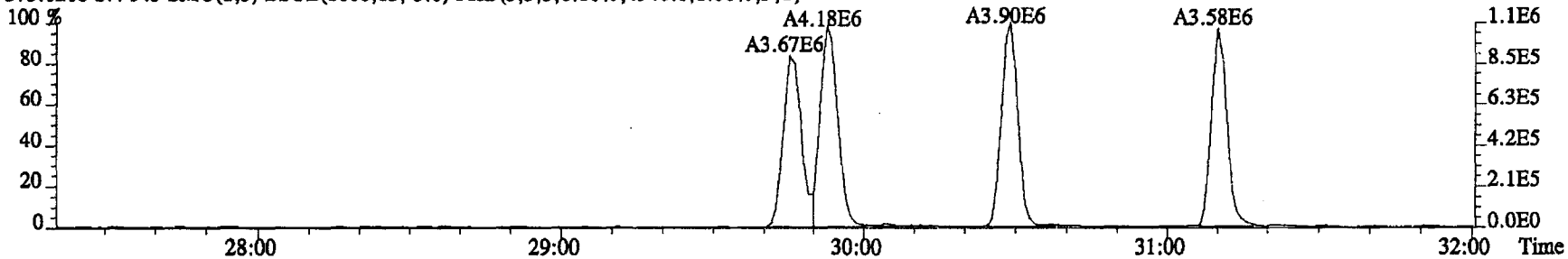


File:14SE101D5 #1-422 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES

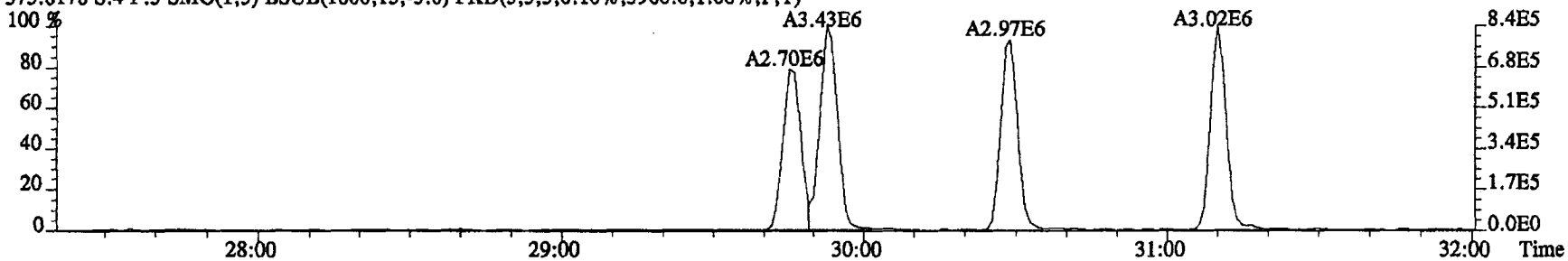


File:14SE101D5 #1-301 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES

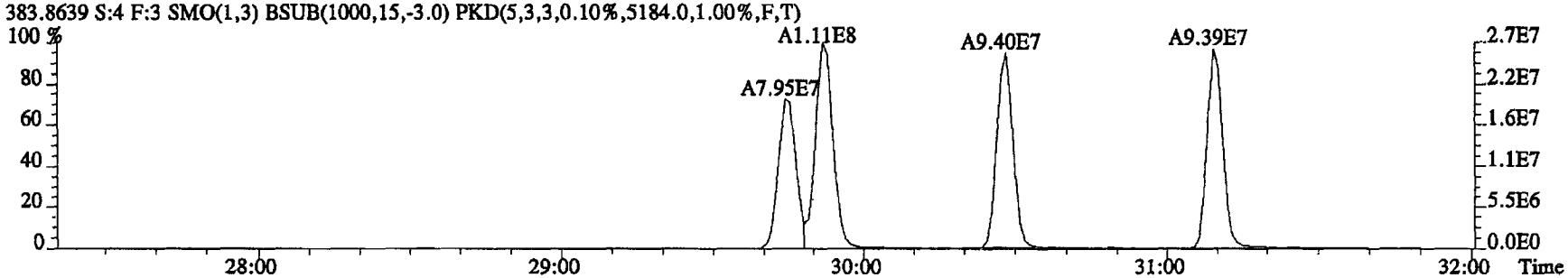
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4940.0,1.00%,F,T)



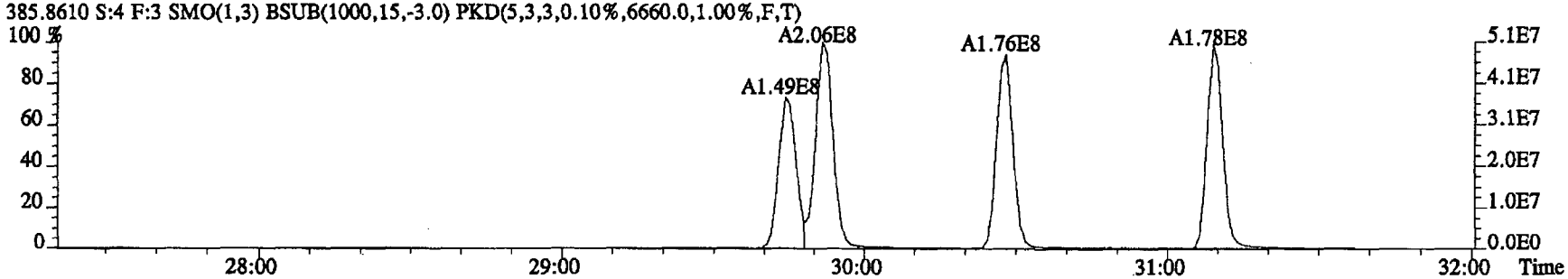
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3960.0,1.00%,F,T)



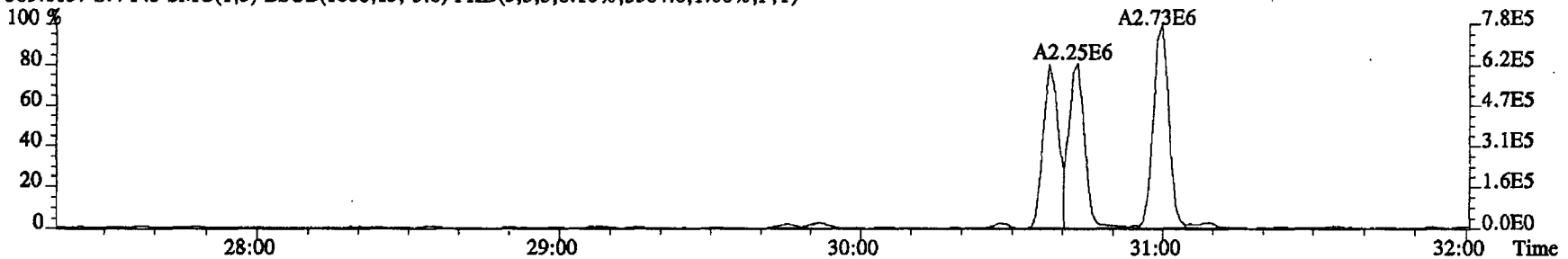
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5184.0,1.00%,F,T)



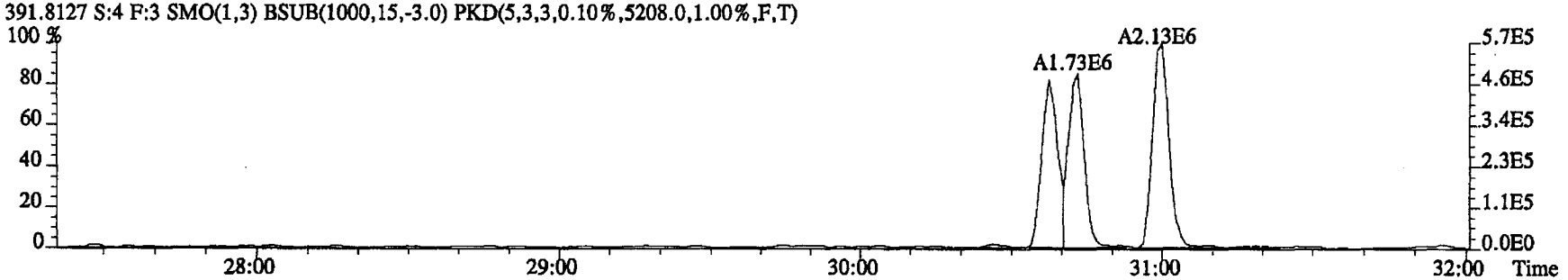
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6660.0,1.00%,F,T)



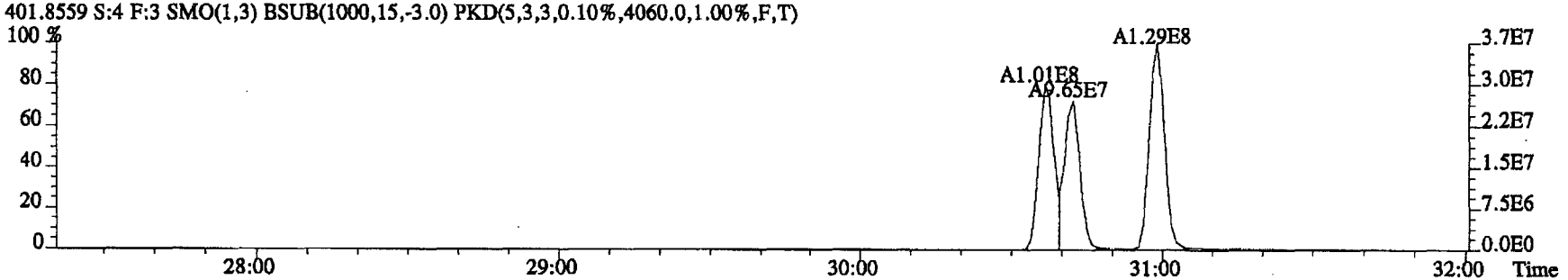
File:14SE101D5 #1-301 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3584.0,1.00%,F,T)



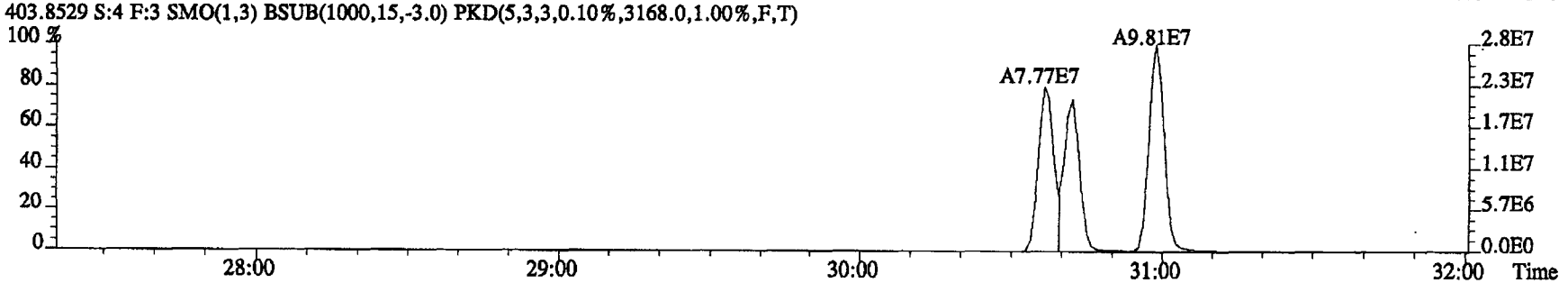
391.8127 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5208.0,1.00%,F,T)



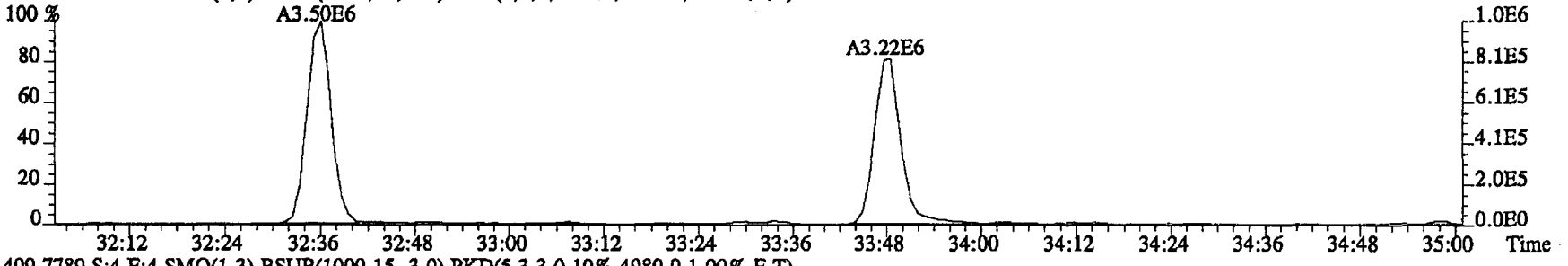
401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4060.0,1.00%,F,T)



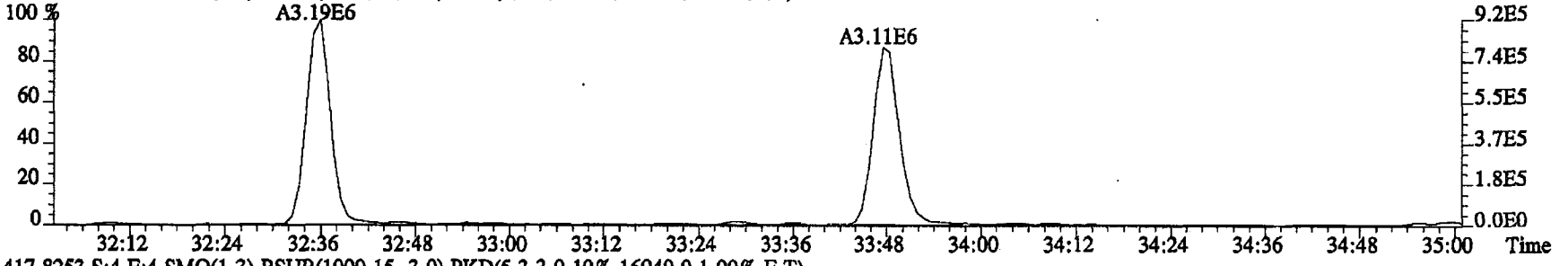
403.8529 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3168.0,1.00%,F,T)



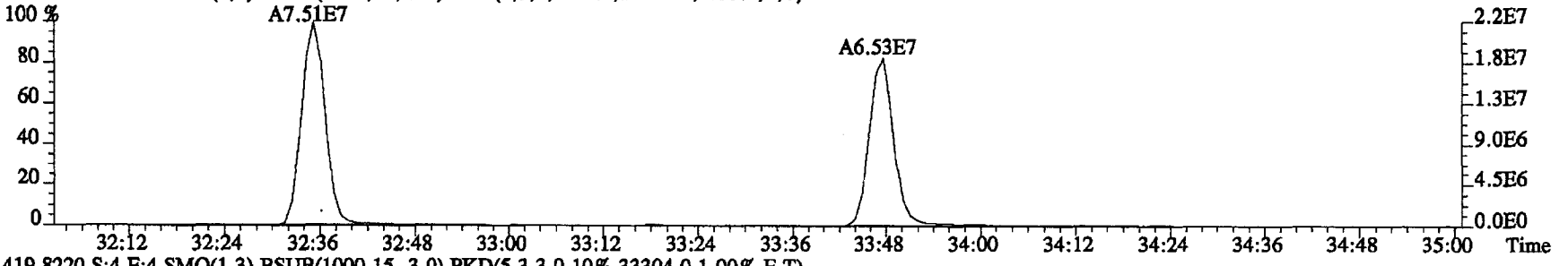
File:14SE101D5 #1-203 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7392.0,1.00%,F,T)



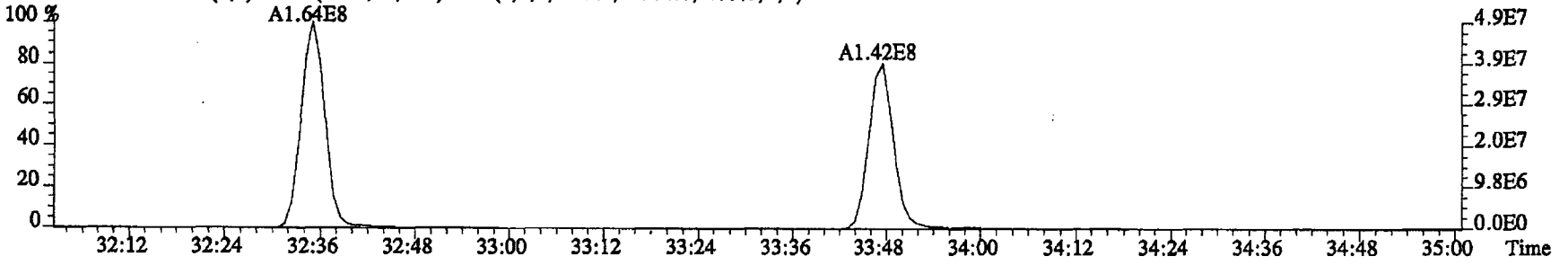
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4980.0,1.00%,F,T)



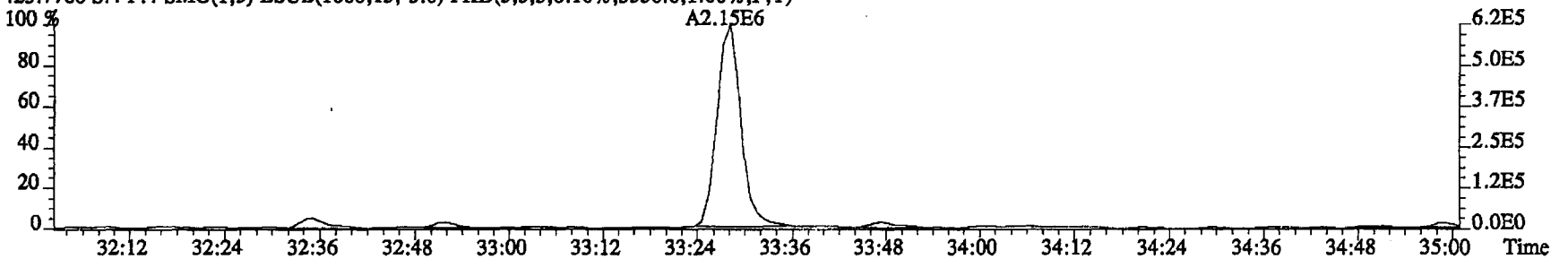
417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16940.0,1.00%,F,T)



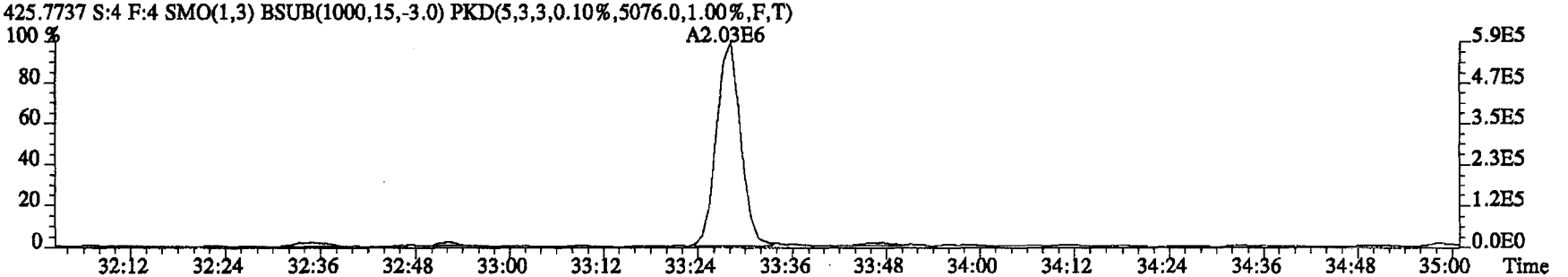
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33304.0,1.00%,F,T)



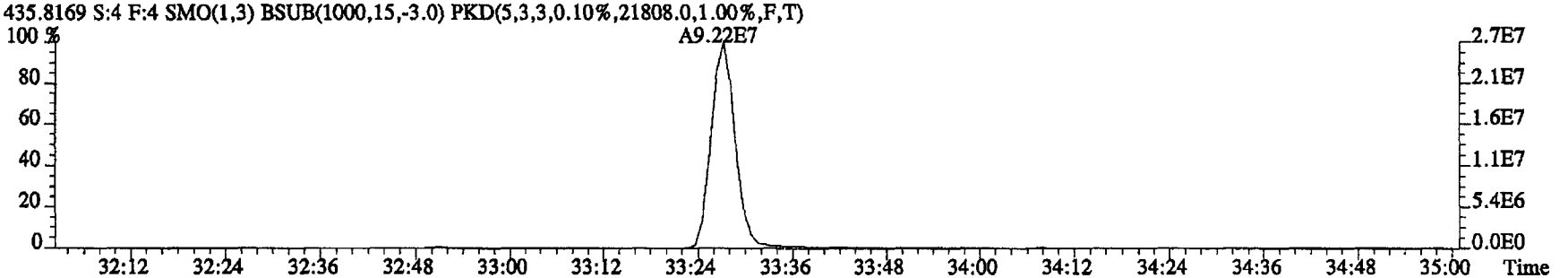
File:14SE101D5 #1-203 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5556.0,1.00%,F,T)



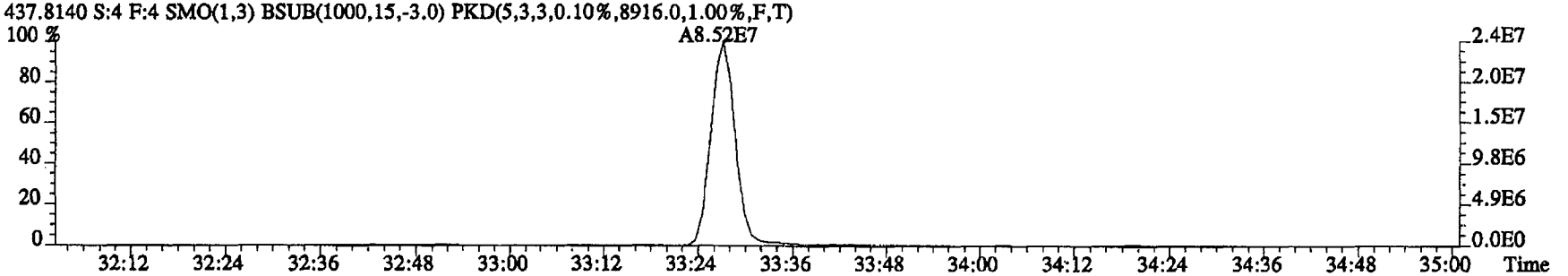
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5076.0,1.00%,F,T)

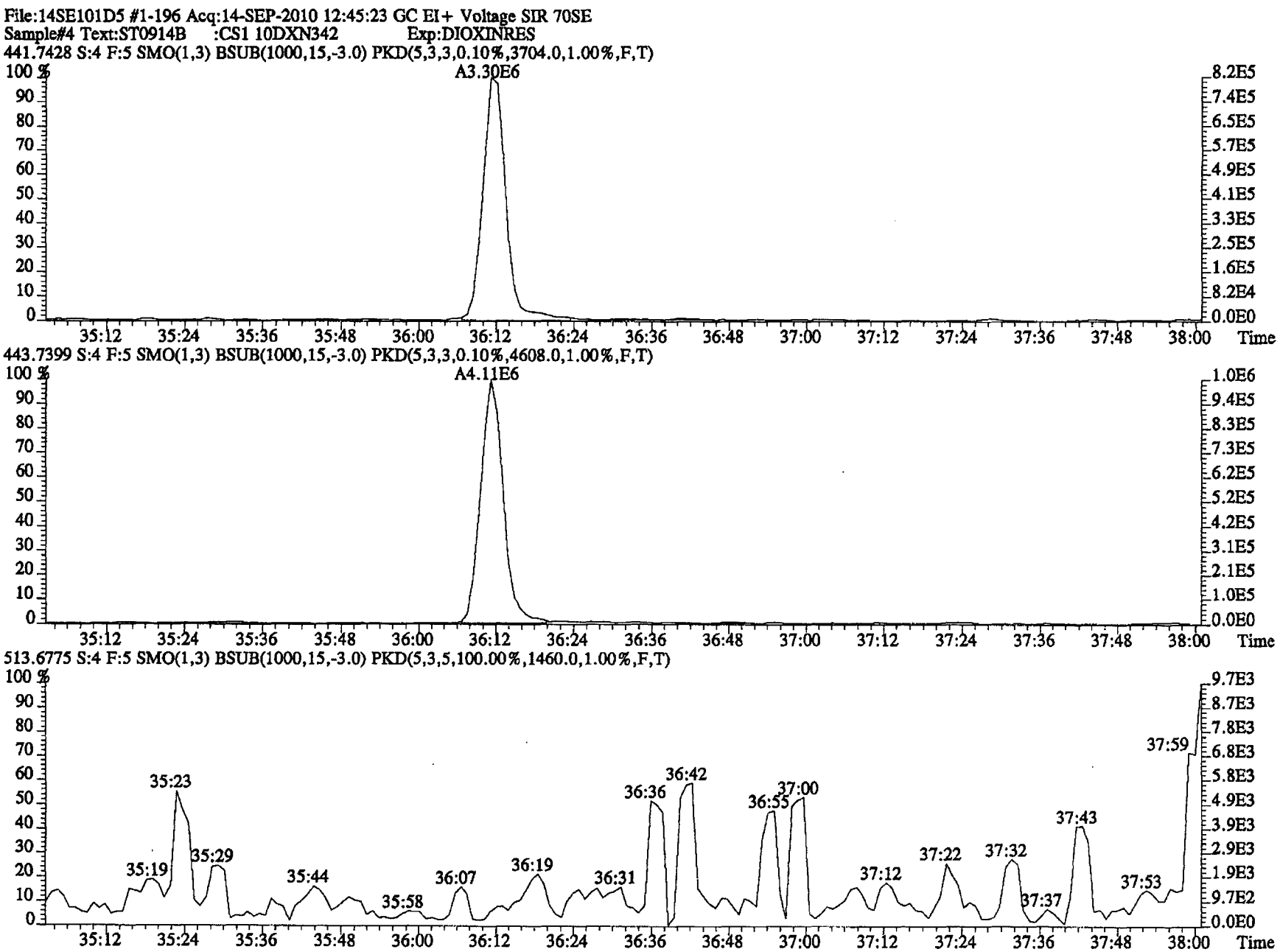


435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21808.0,1.00%,F,T)



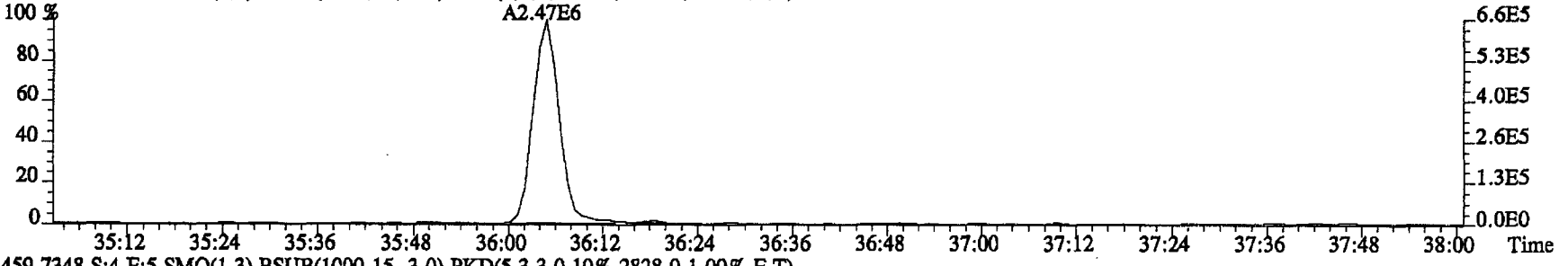
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8916.0,1.00%,F,T)



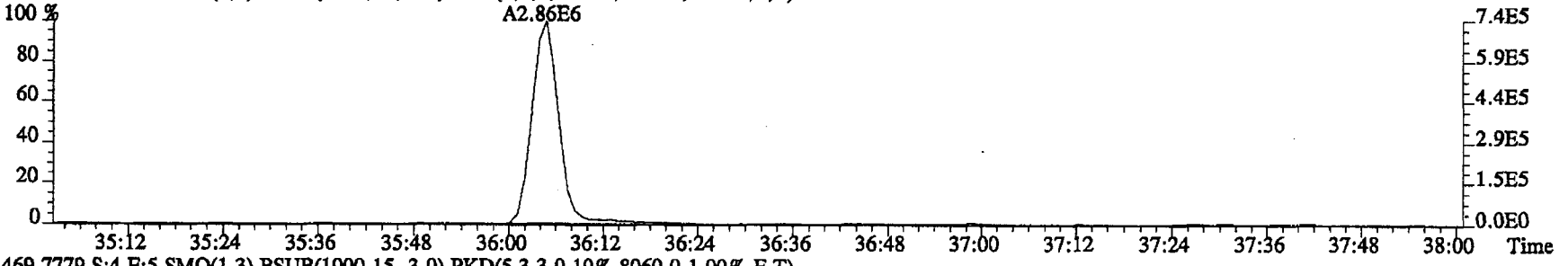


File:14SE101D5 #1-196 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES

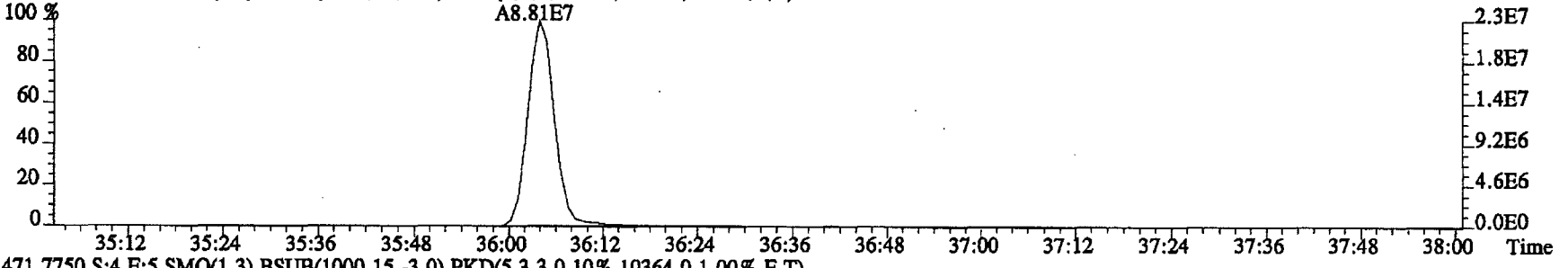
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480.0,1.00%,F,T)



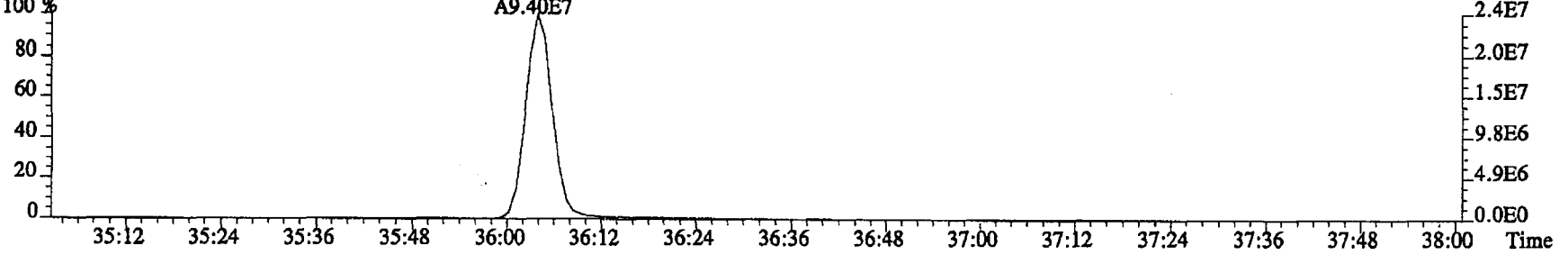
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2828.0,1.00%,F,T)

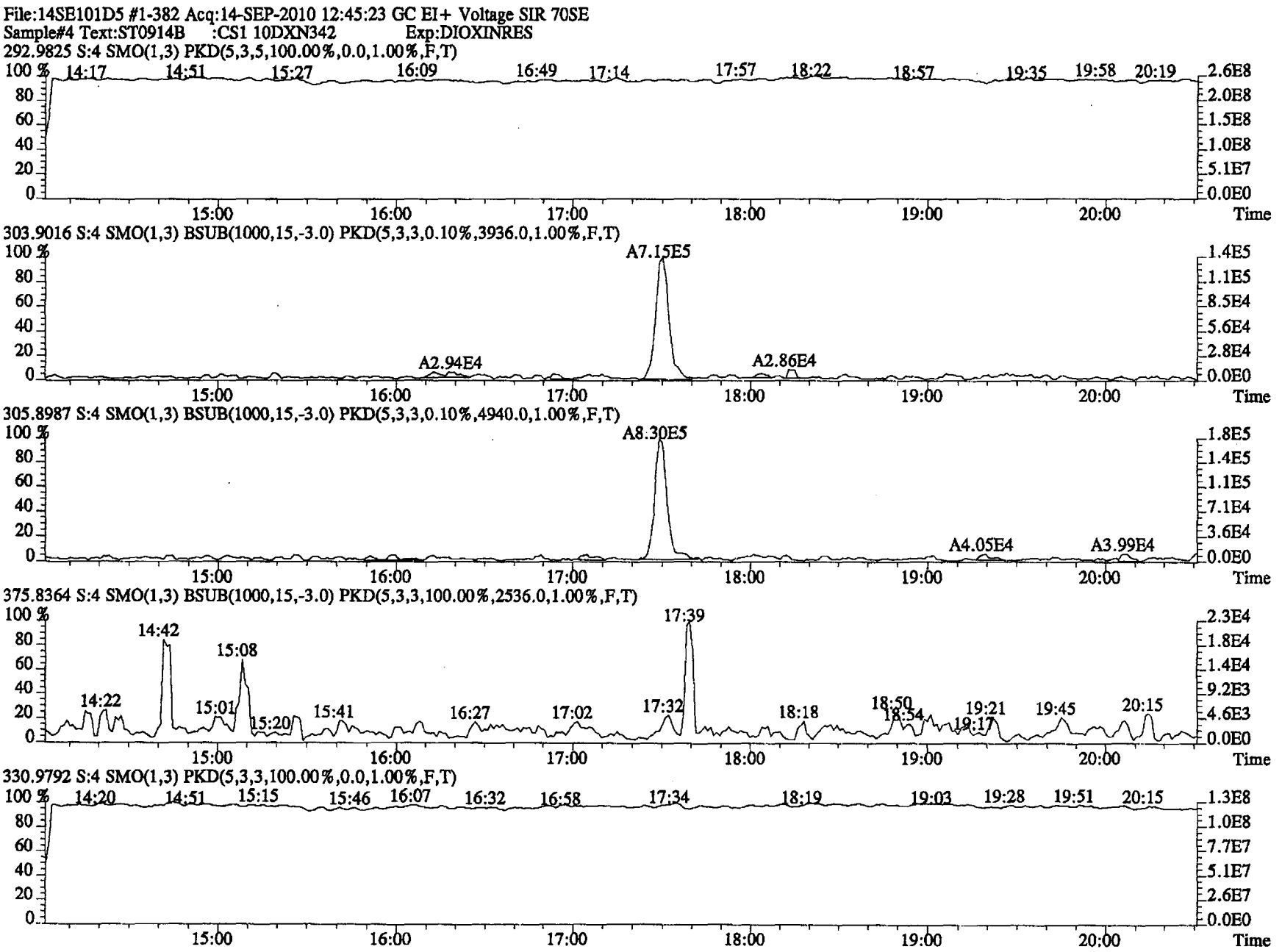


469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8060.0,1.00%,F,T)

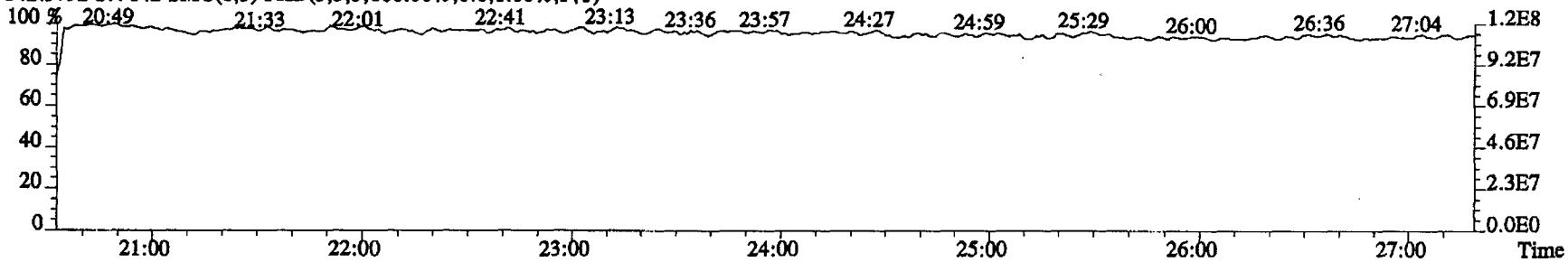


471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10364.0,1.00%,F,T)

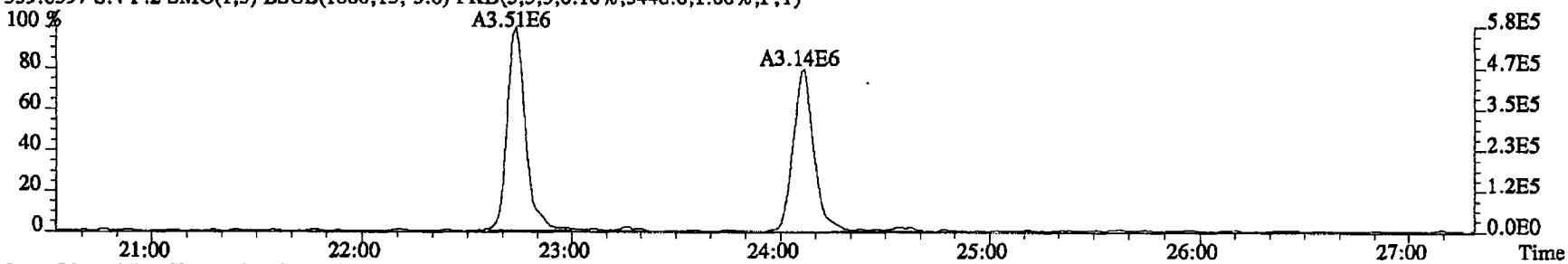




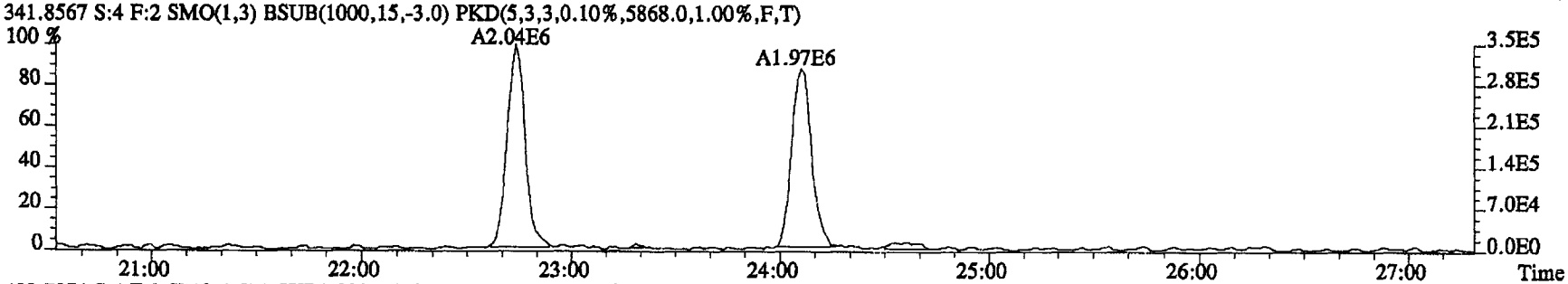
File:14SE101D5 #1-422 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



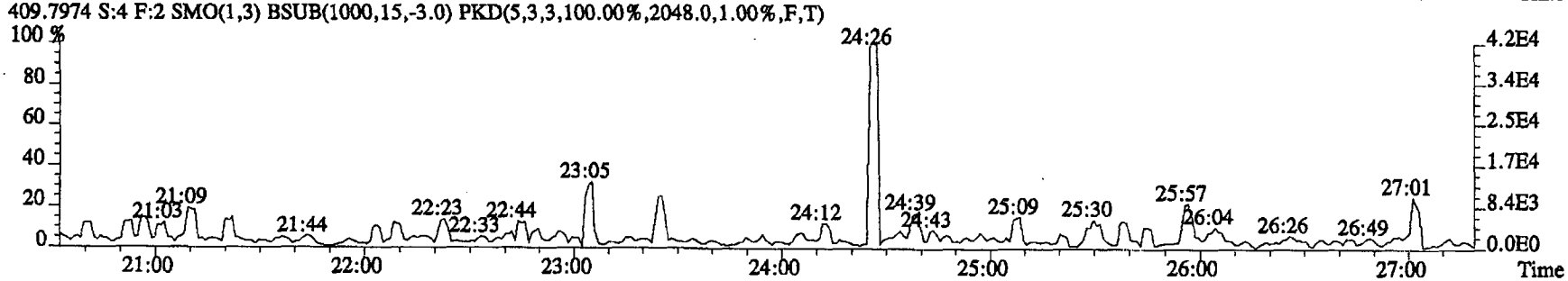
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3448.0,1.00%,F,T)



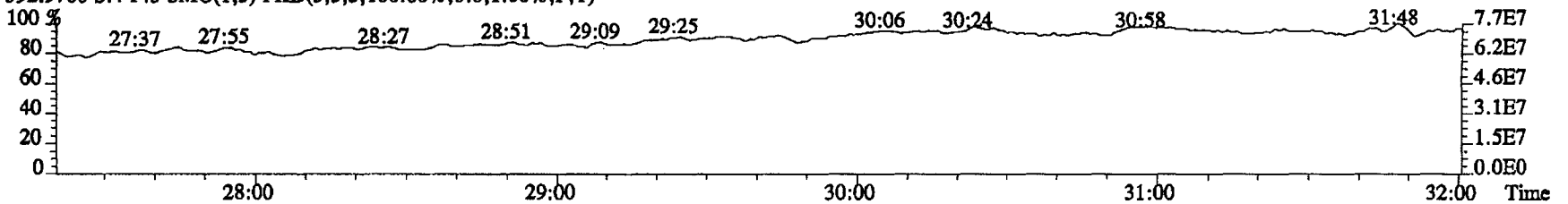
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5868.0,1.00%,F,T)



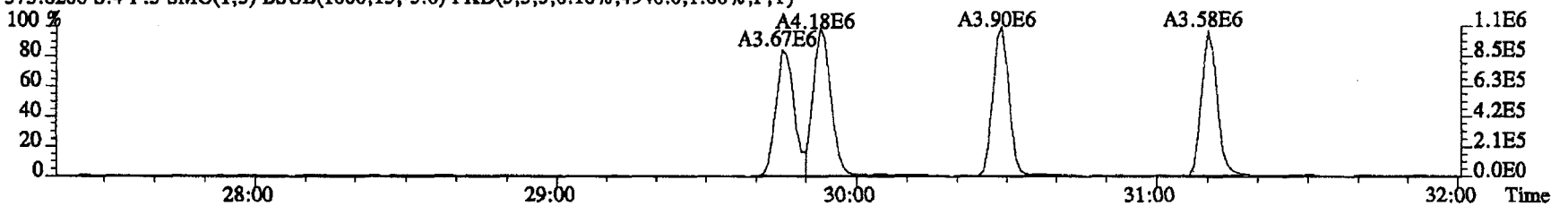
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2048.0,1.00%,F,T)



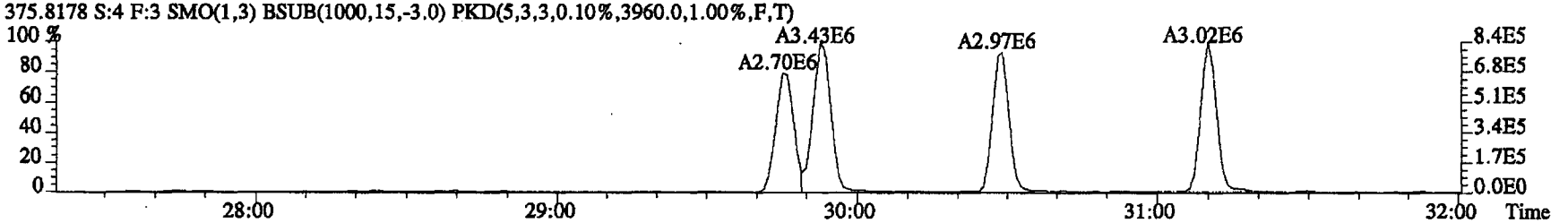
File:14SE101D5 #1-301 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES
392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



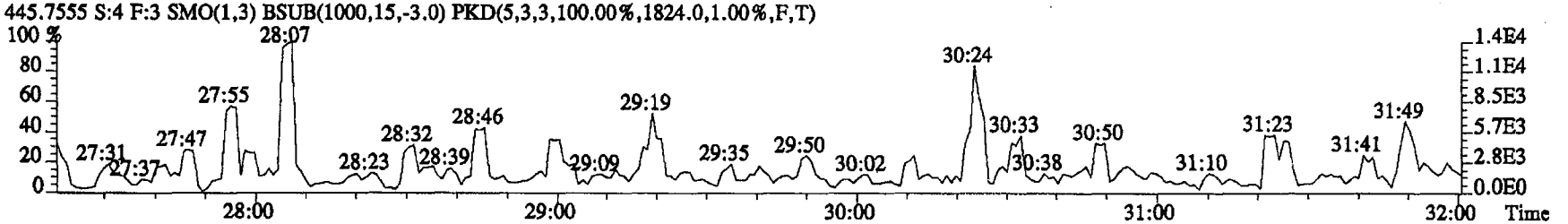
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4940.0,1.00%,F,T)



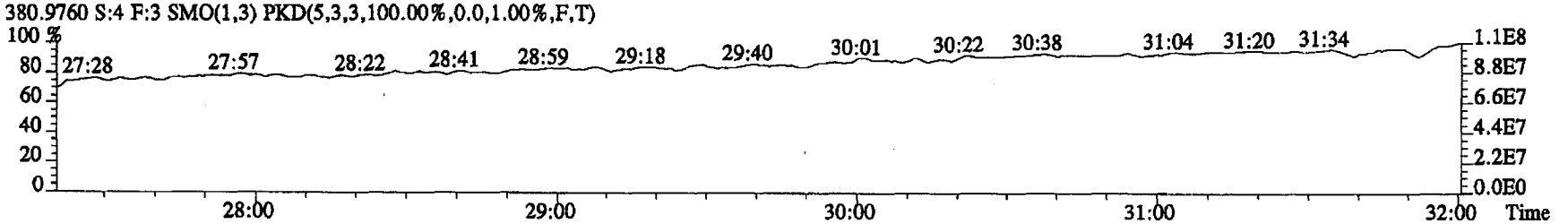
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3960.0,1.00%,F,T)



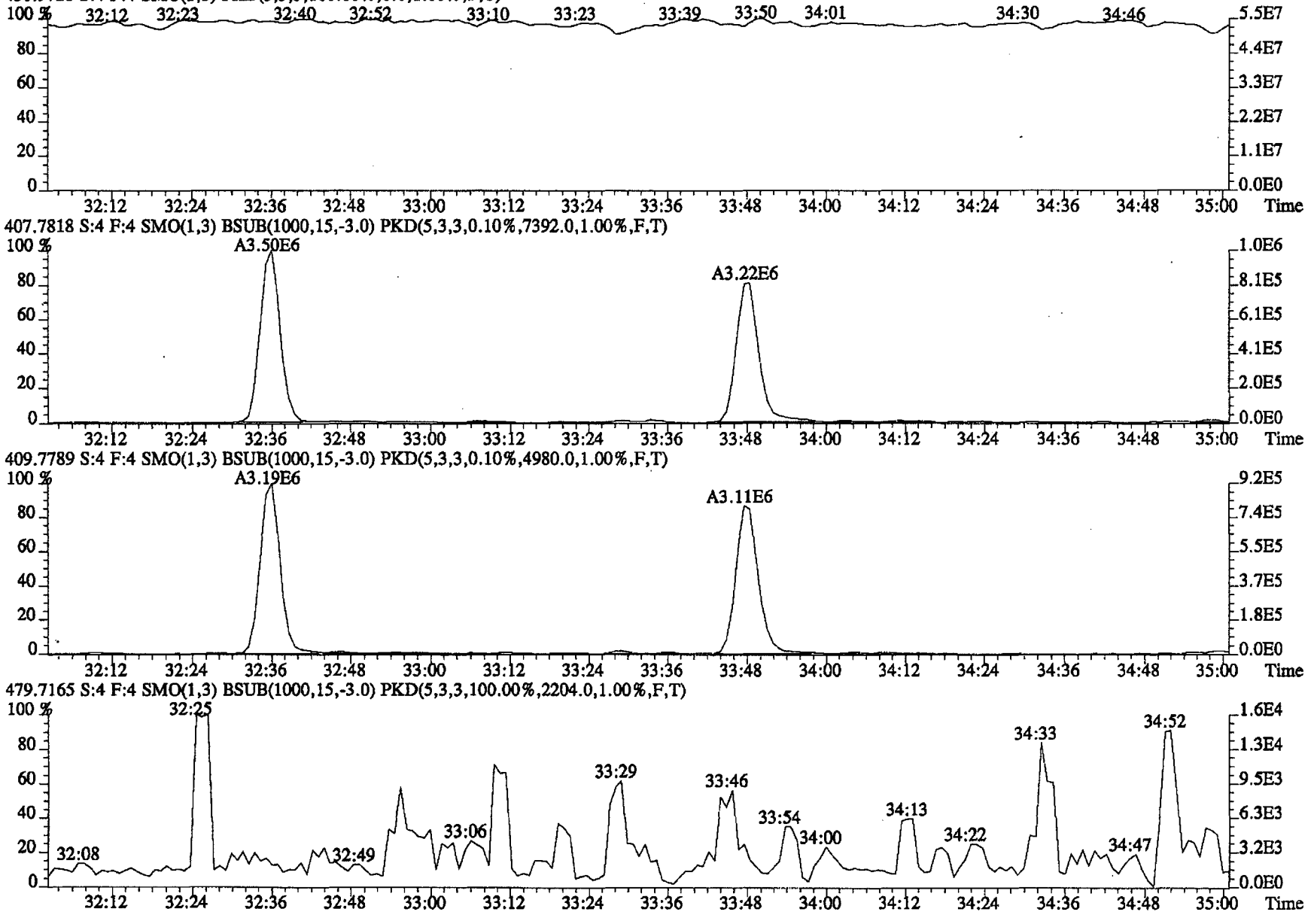
445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1824.0,1.00%,F,T)

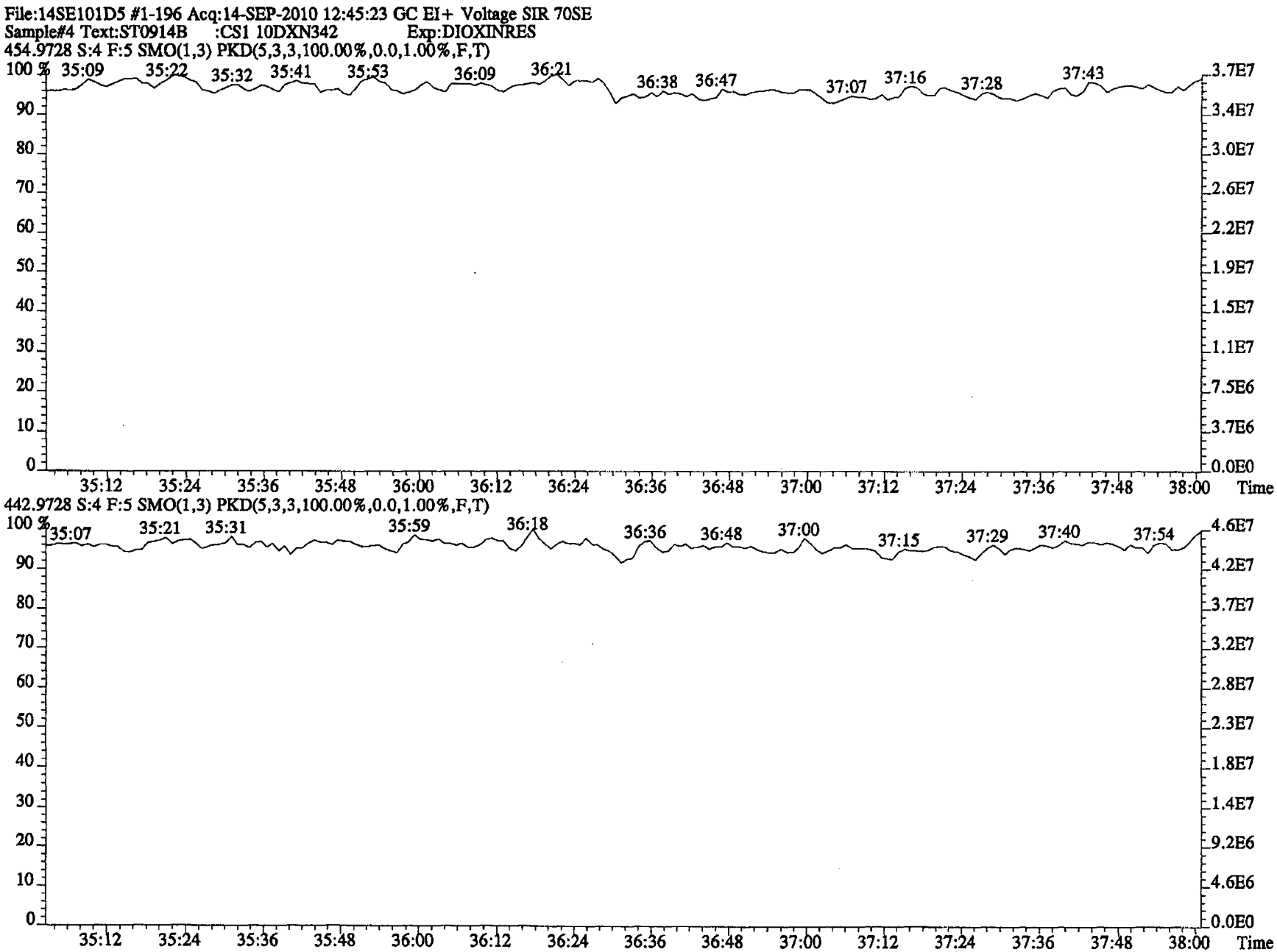


380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



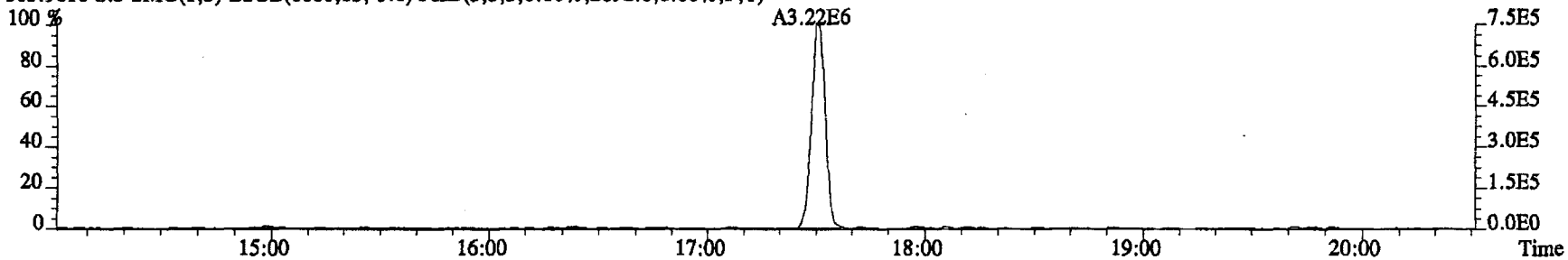
File:14SE101D5 #1-203 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES



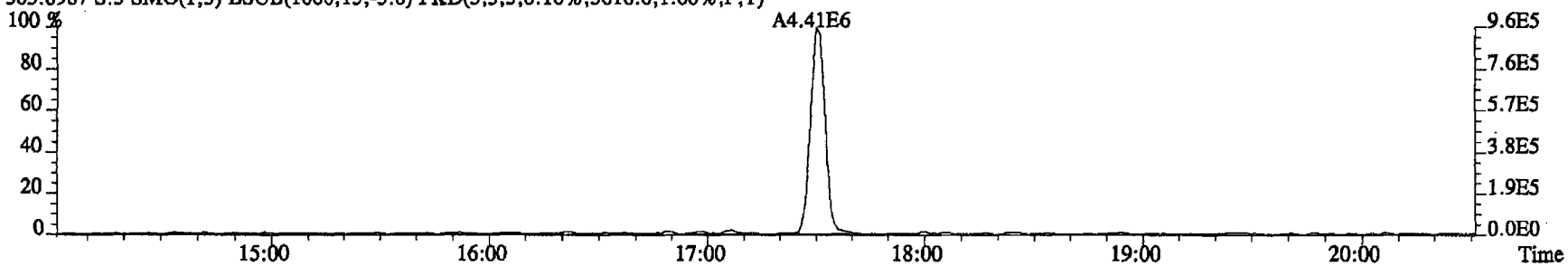


File:14SE101D5 #1-382 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES

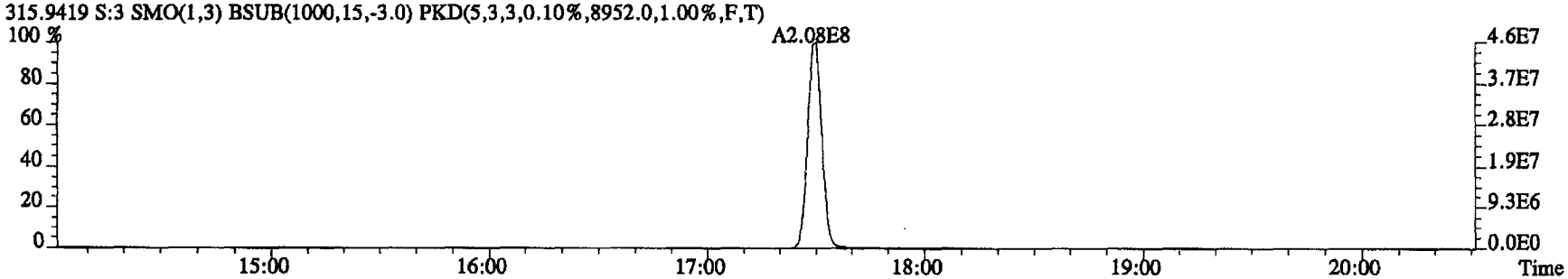
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2892.0,1.00%,F,T)



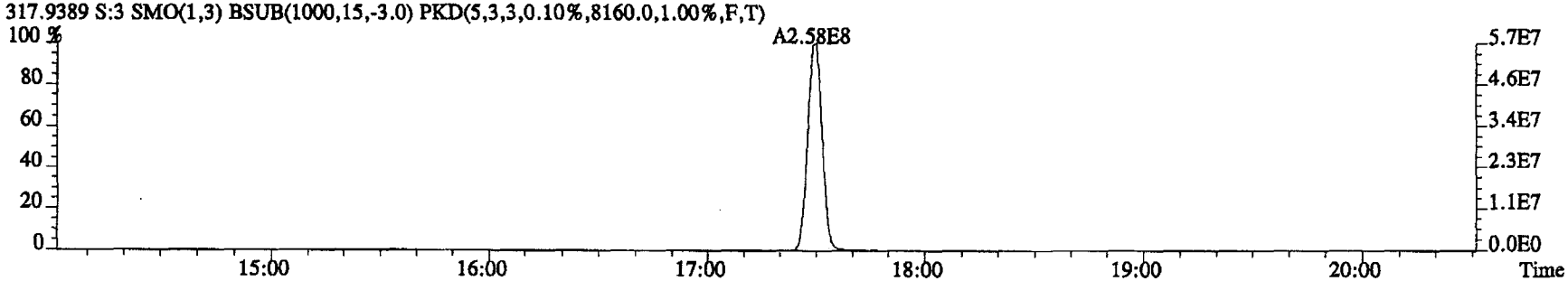
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5616.0,1.00%,F,T)



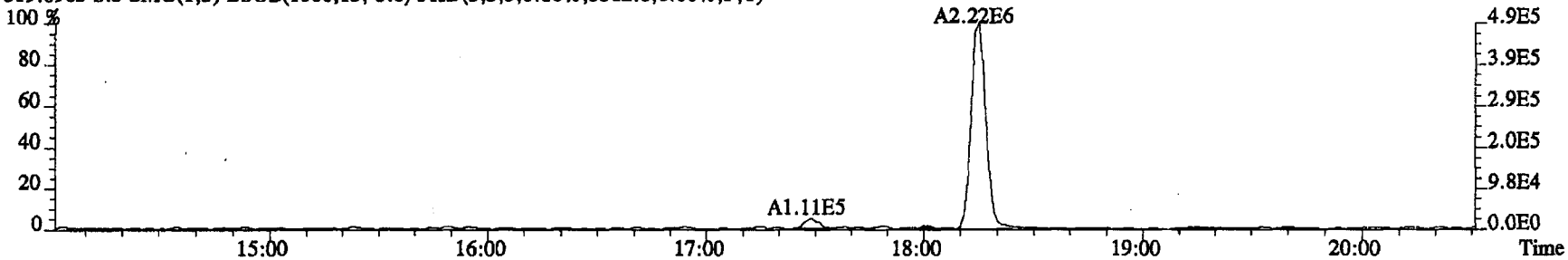
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8952.0,1.00%,F,T)



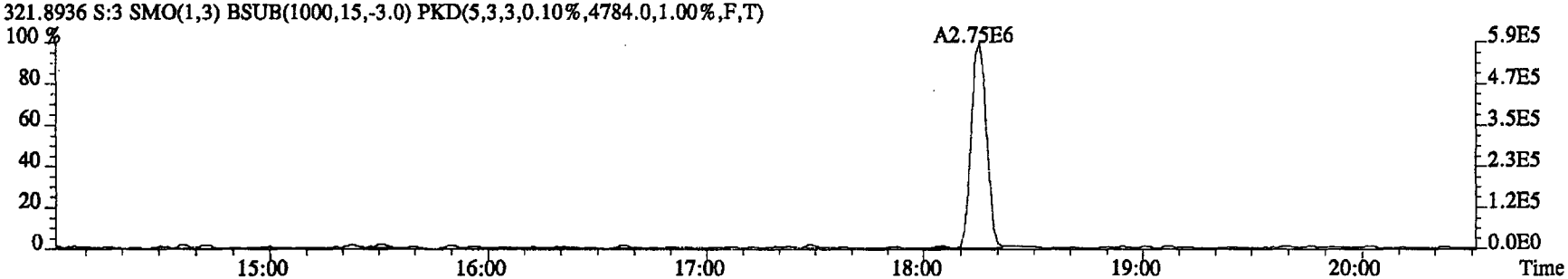
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8160.0,1.00%,F,T)



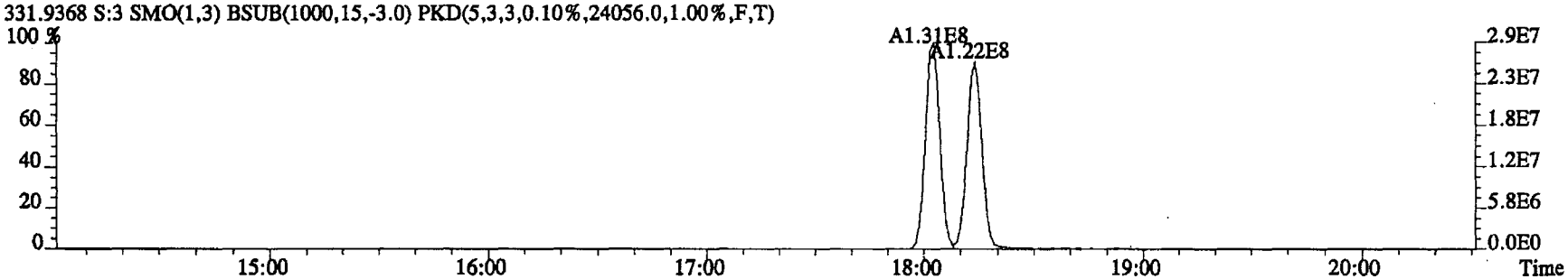
File:14SE101D5 #1-382 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3512.0,1.00%,F,T)



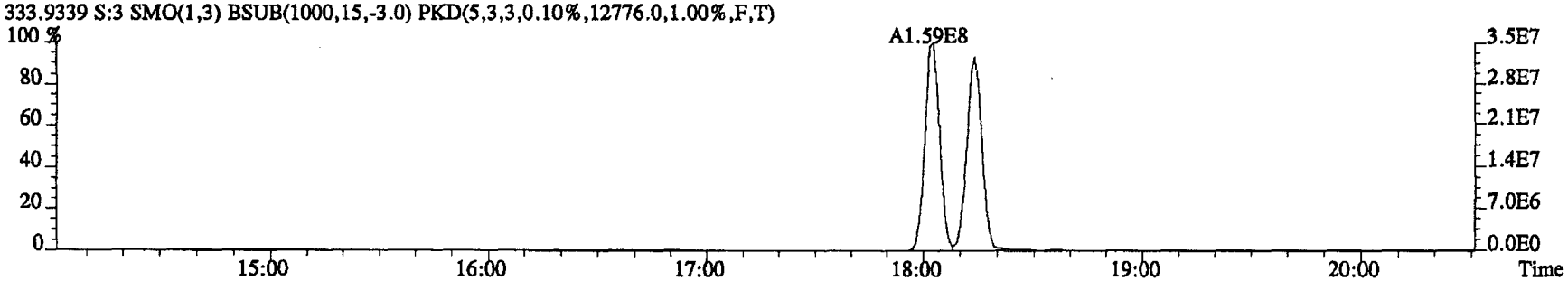
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4784.0,1.00%,F,T)



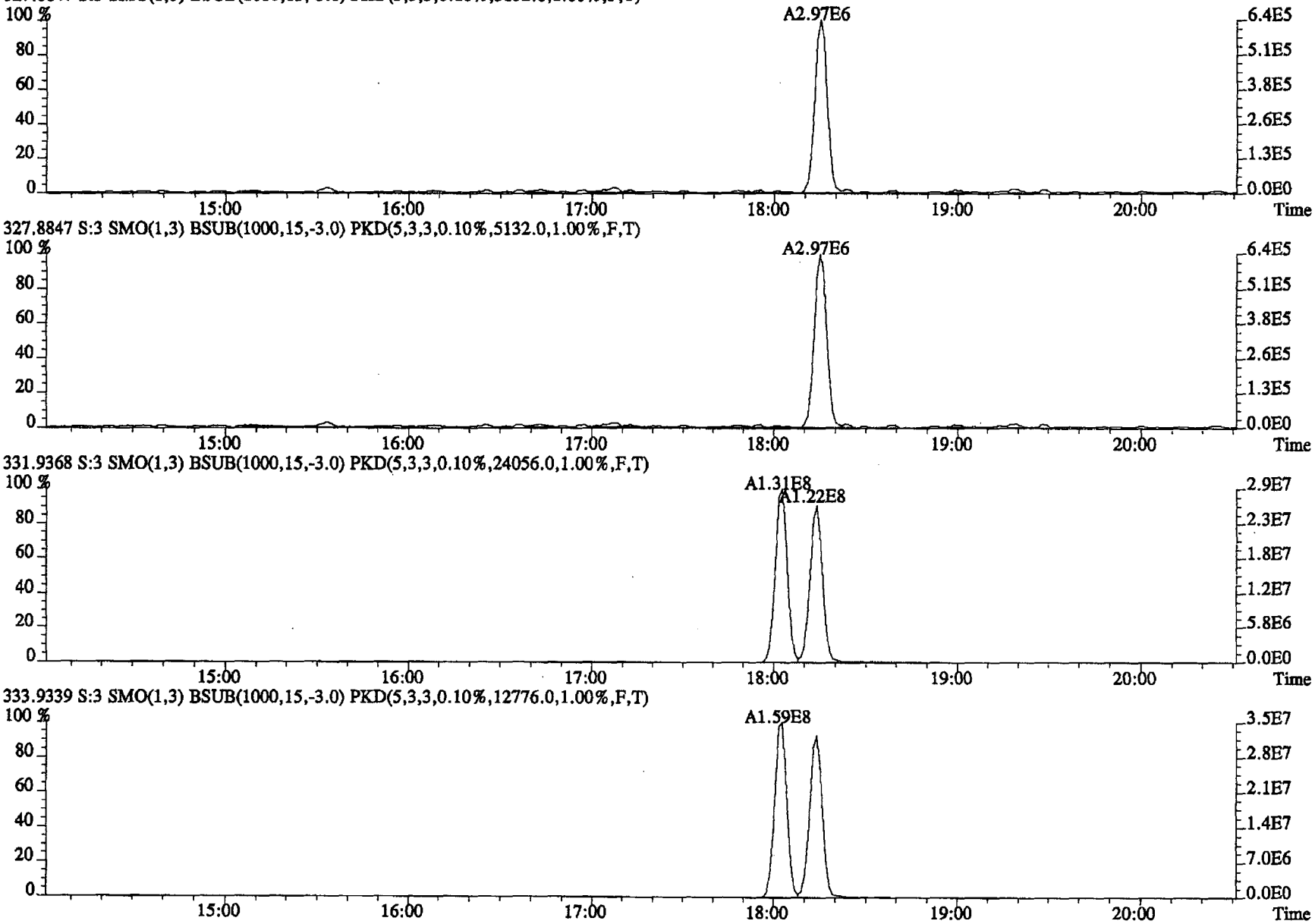
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24056.0,1.00%,F,T)



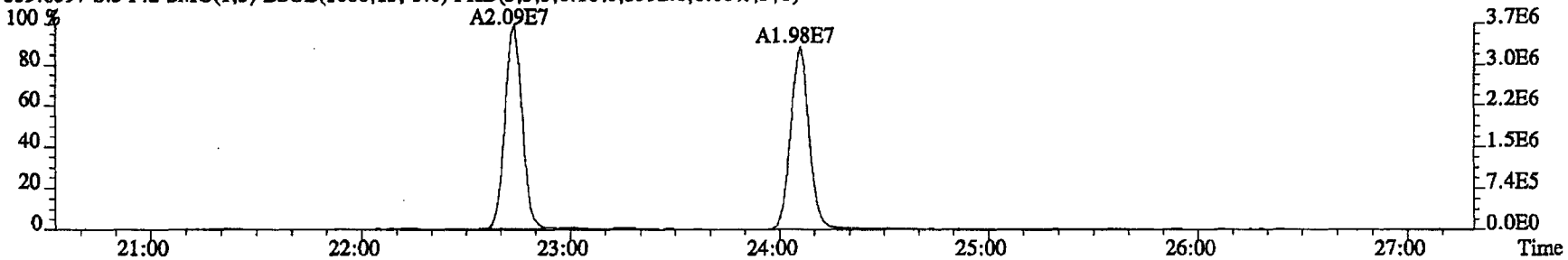
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12776.0,1.00%,F,T)



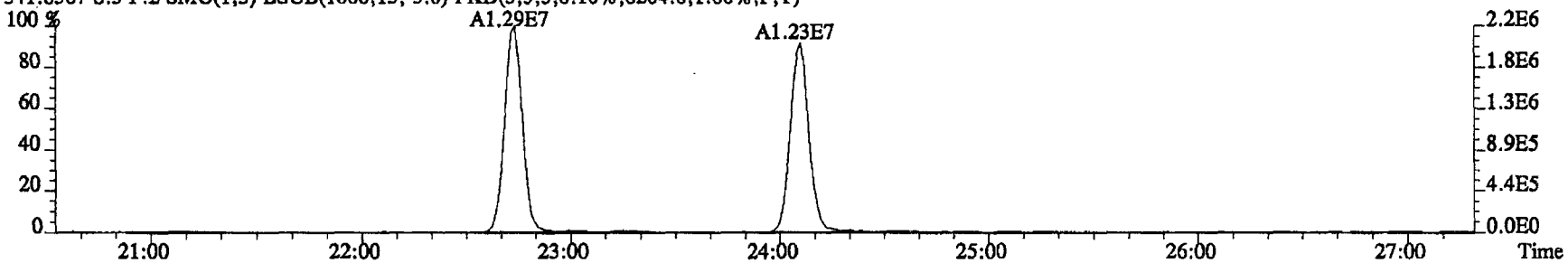
File:14SE101D5 #1-382 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES



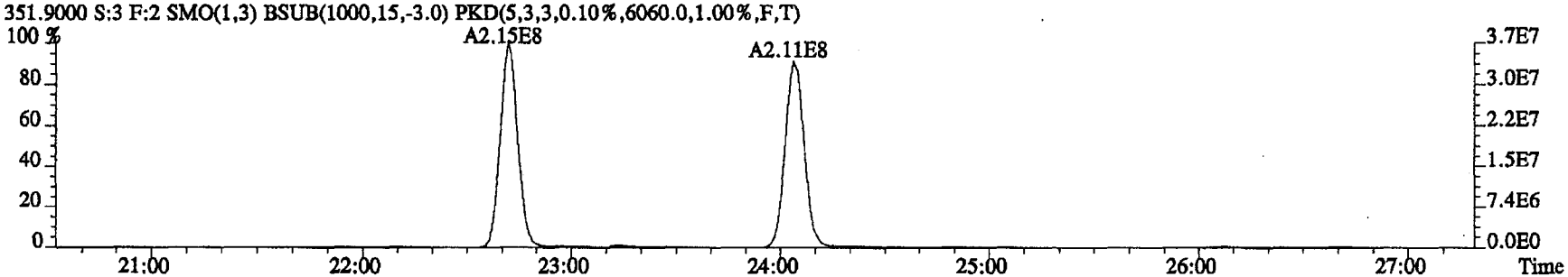
File:14SE101D5 #1-422 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3992.0,1.00%,F,T)



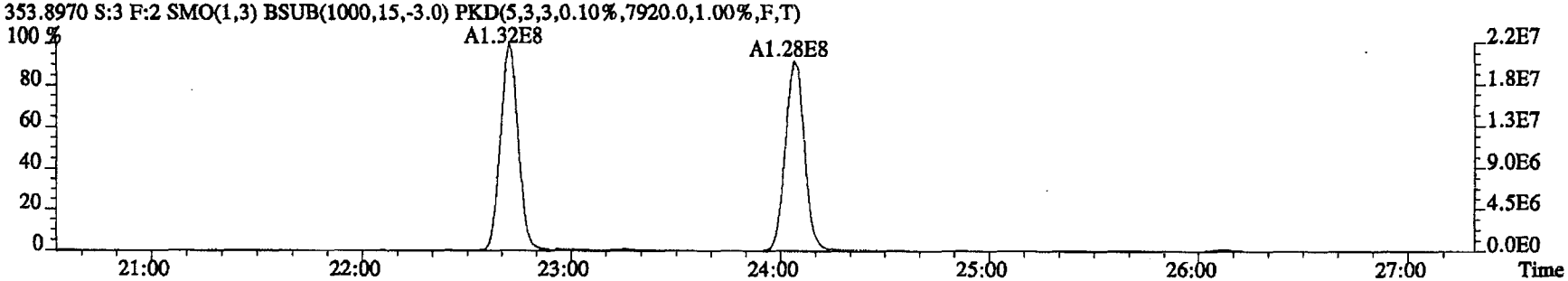
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6204.0,1.00%,F,T)



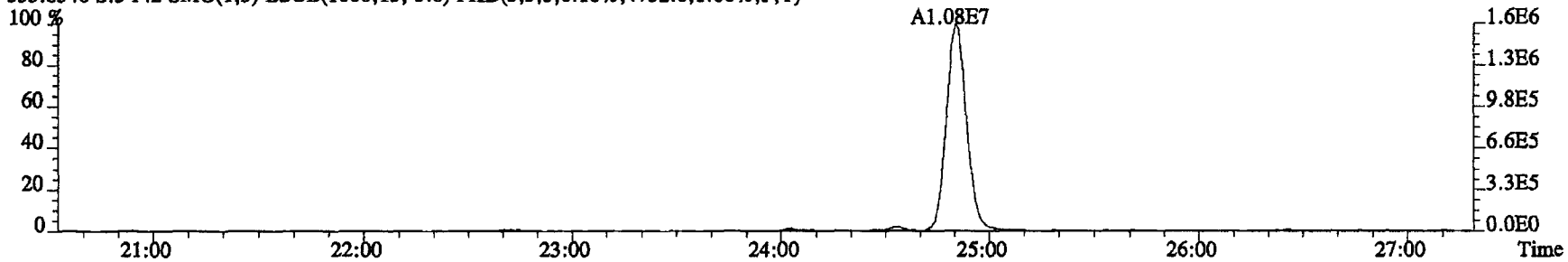
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6060.0,1.00%,F,T)



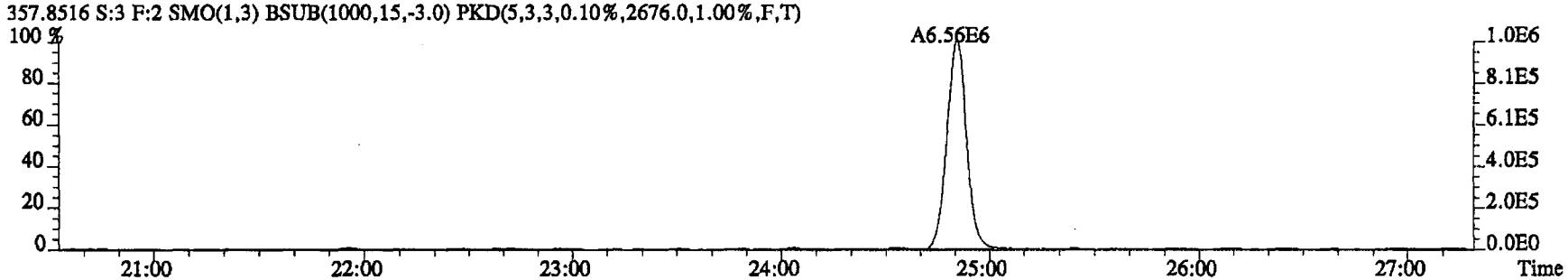
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7920.0,1.00%,F,T)



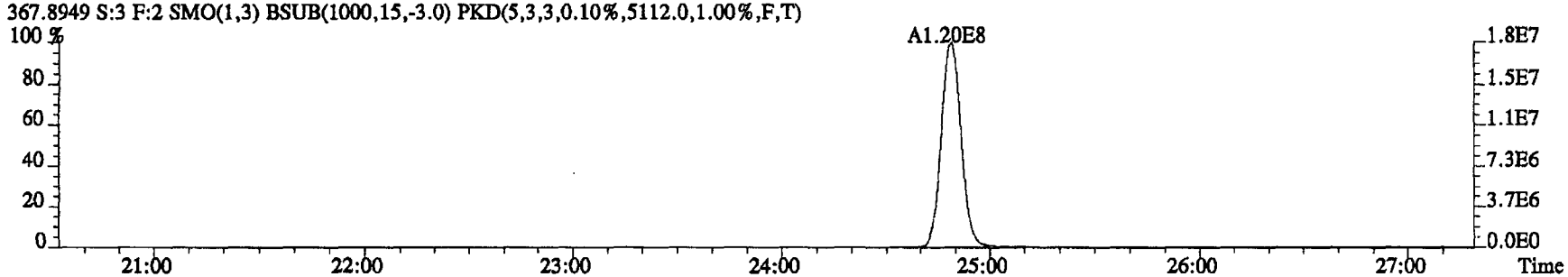
File:14SE101D5 #1-422 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4752.0,1.00%,F,T)



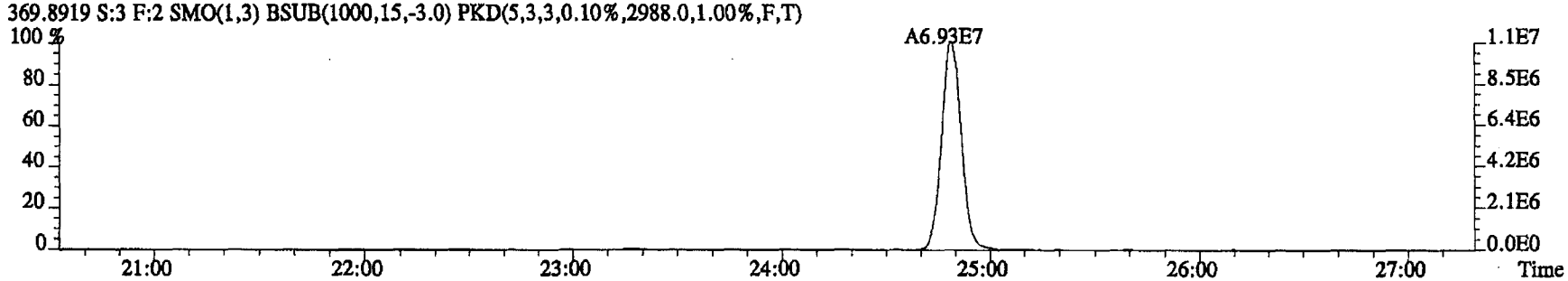
357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2676.0,1.00%,F,T)



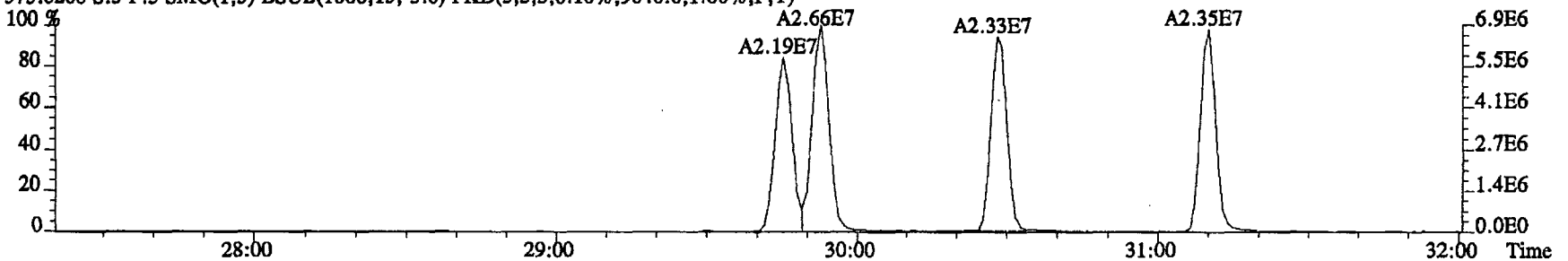
367.8949 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5112.0,1.00%,F,T)



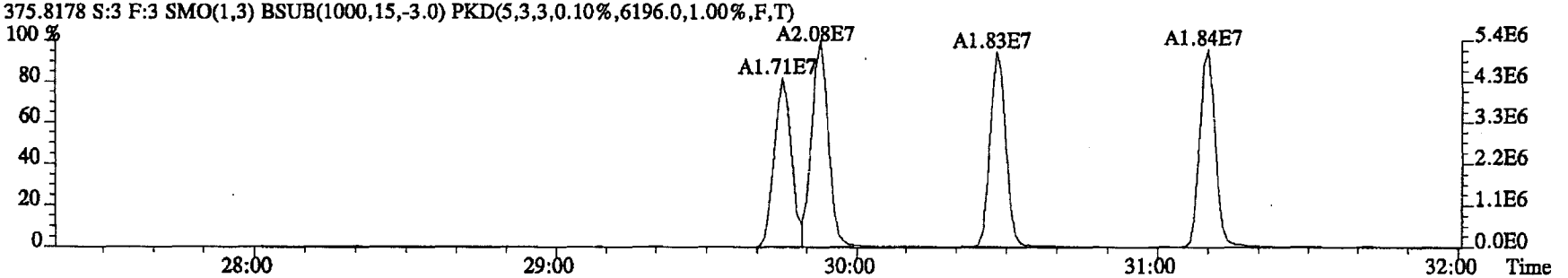
369.8919 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2988.0,1.00%,F,T)



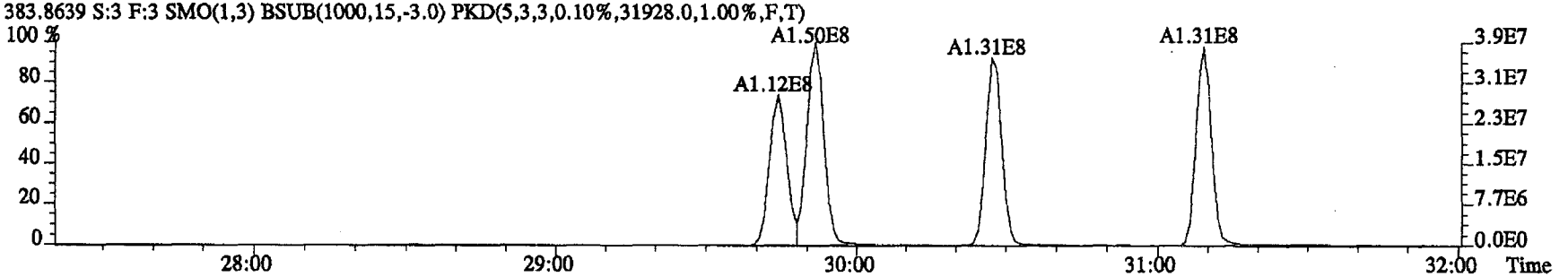
File:14SE101D5 #1-301 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9840.0,1.00%,F,T)



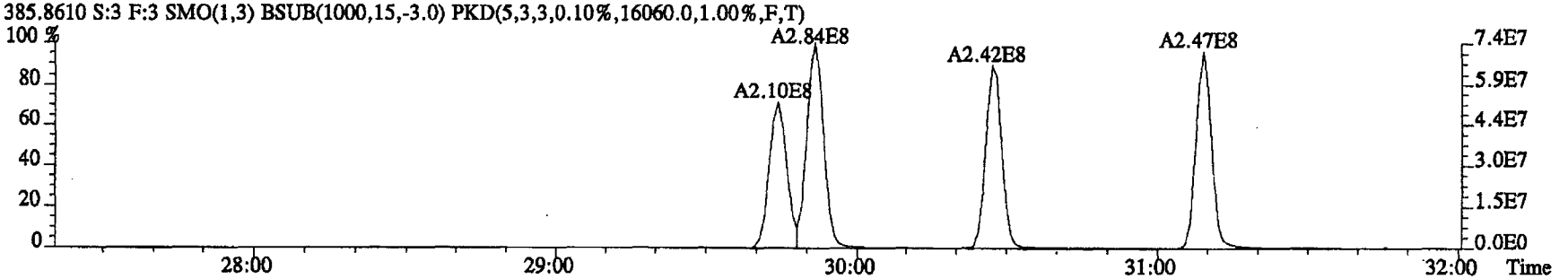
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6196.0,1.00%,F,T)



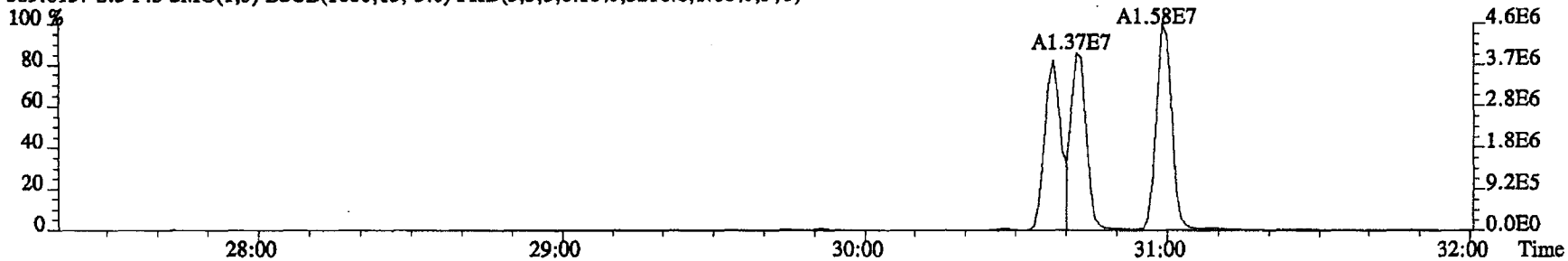
383.8639 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31928.0,1.00%,F,T)



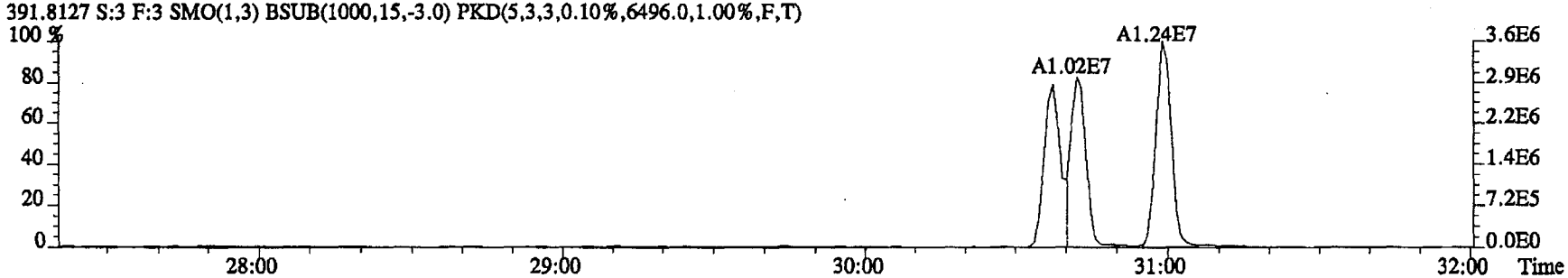
385.8610 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16060.0,1.00%,F,T)



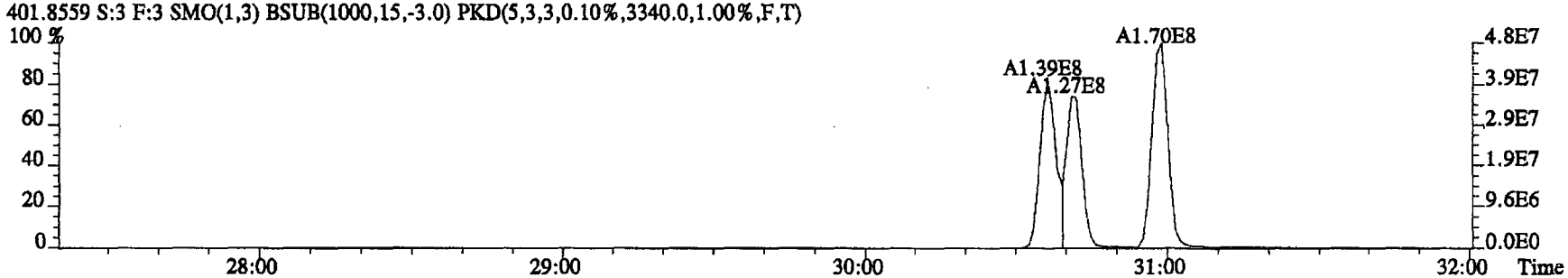
File:14SE101D5 #1-301 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3216.0,1.00%,F,T)



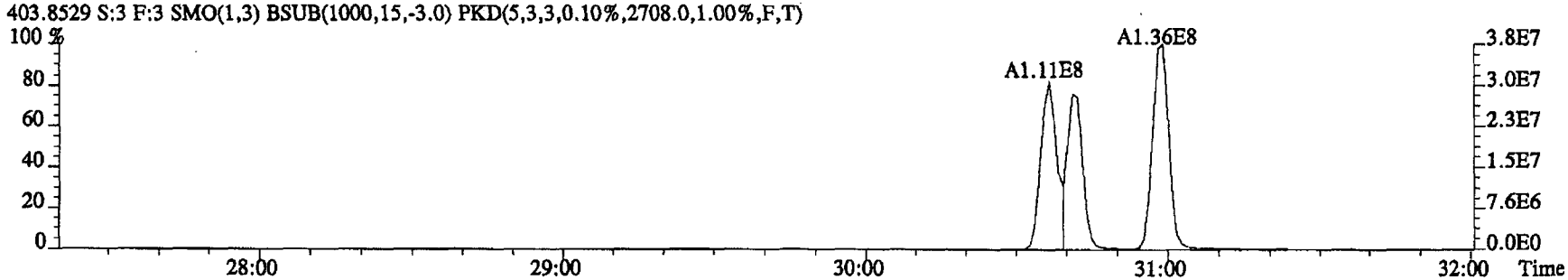
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6496.0,1.00%,F,T)



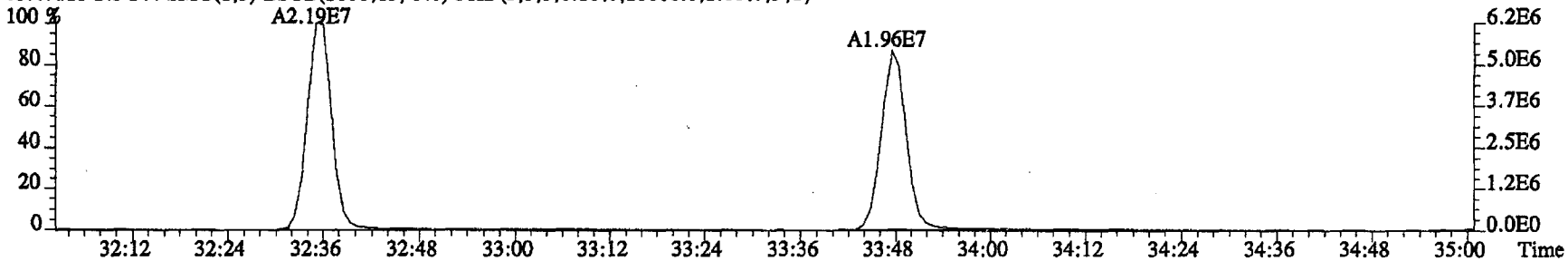
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3340.0,1.00%,F,T)



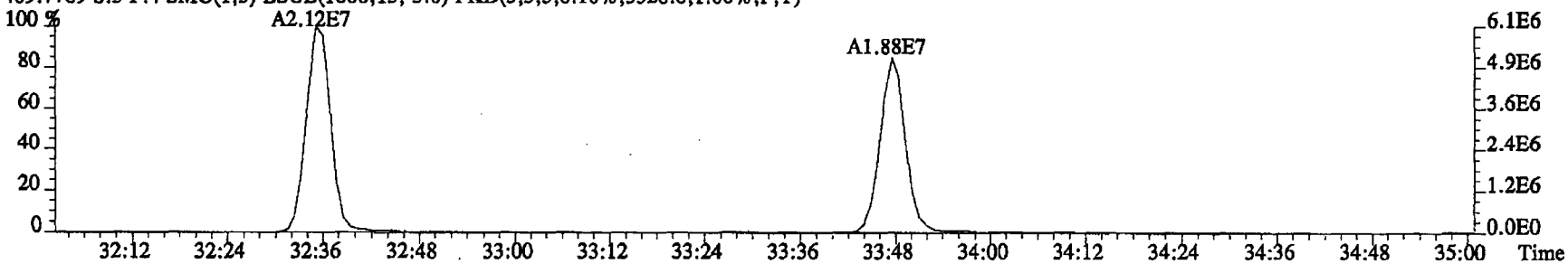
403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2708.0,1.00%,F,T)



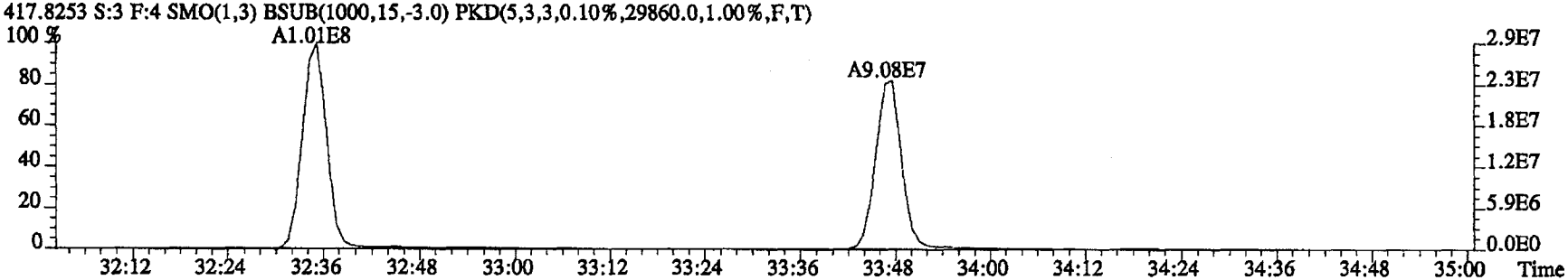
File:14SE101D5 #1-203 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10608.0,1.00%,F,T)



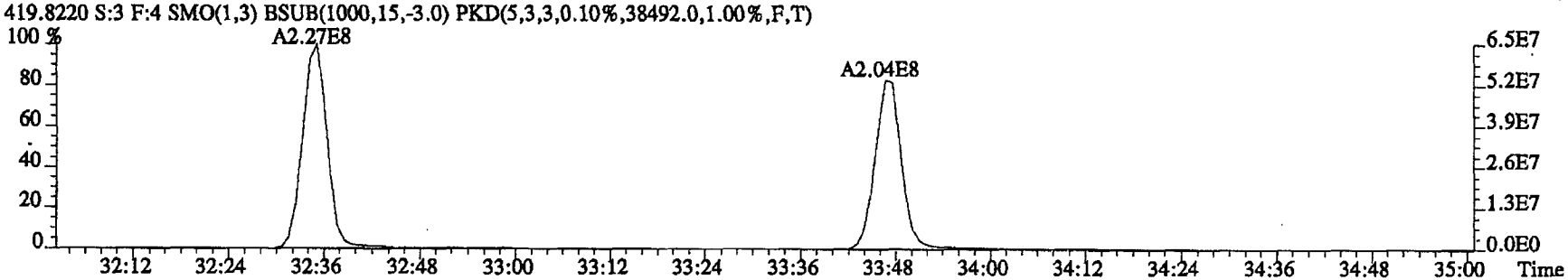
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3328.0,1.00%,F,T)



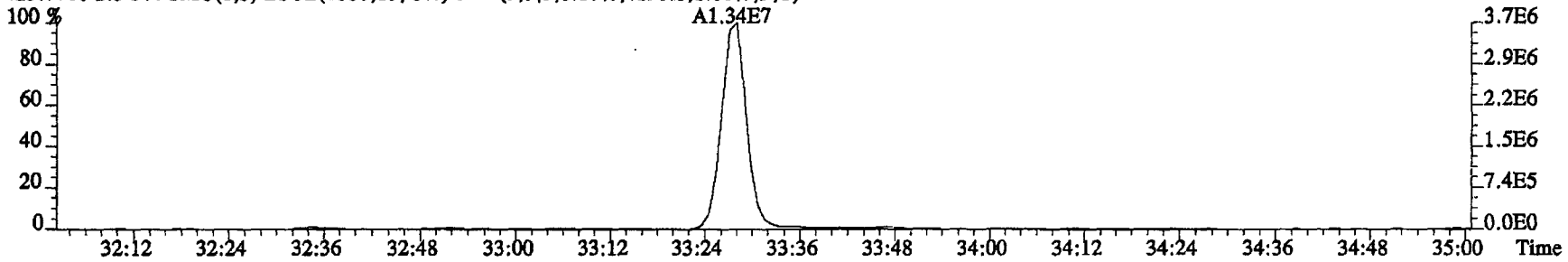
417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29860.0,1.00%,F,T)



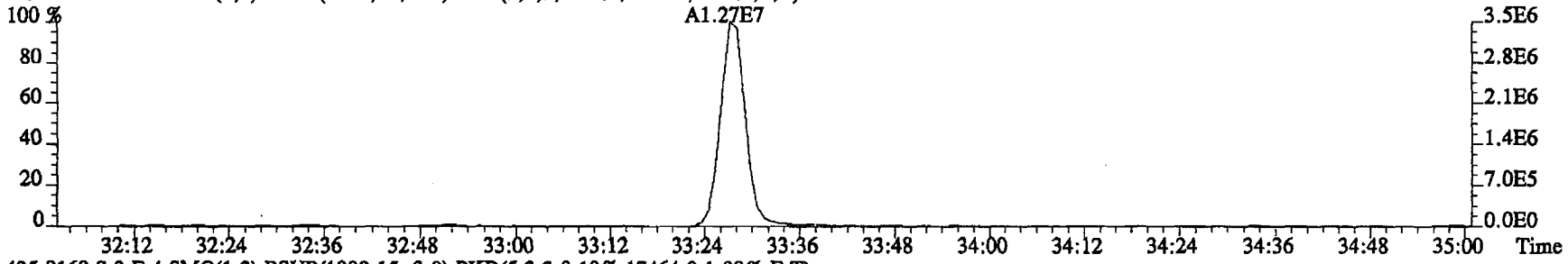
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38492.0,1.00%,F,T)



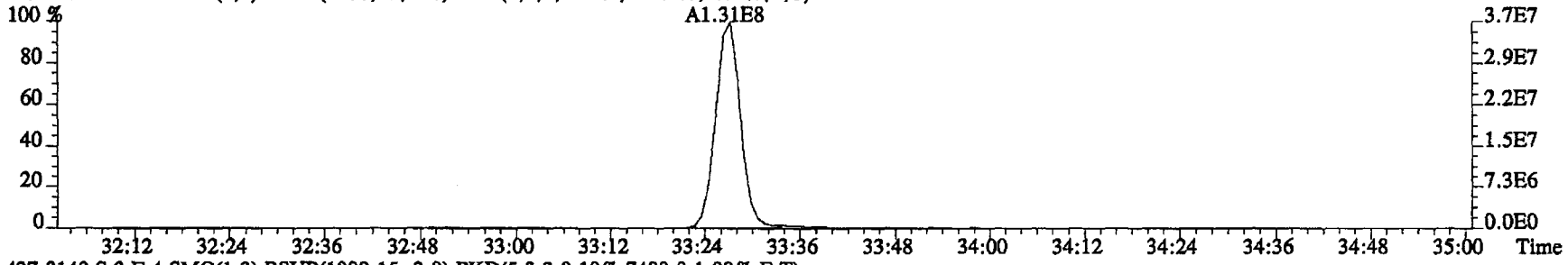
File:14SE101D5 #1-203 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4228.0,1.00%,F,T)



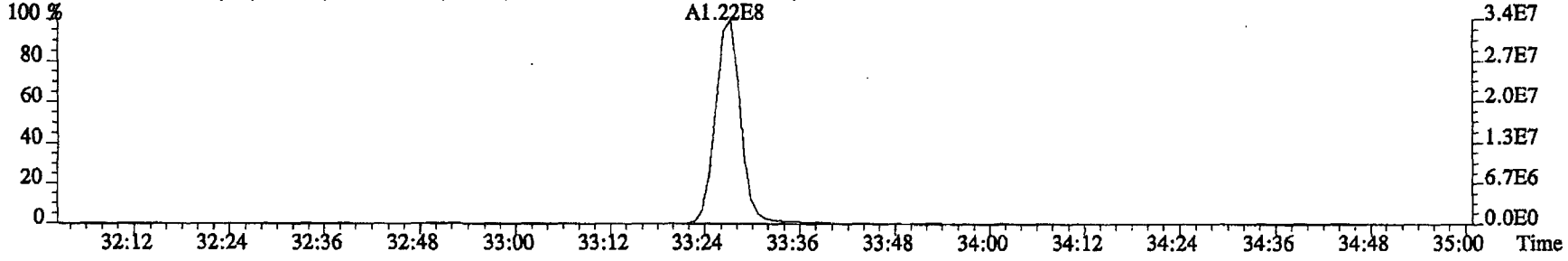
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5052.0,1.00%,F,T)



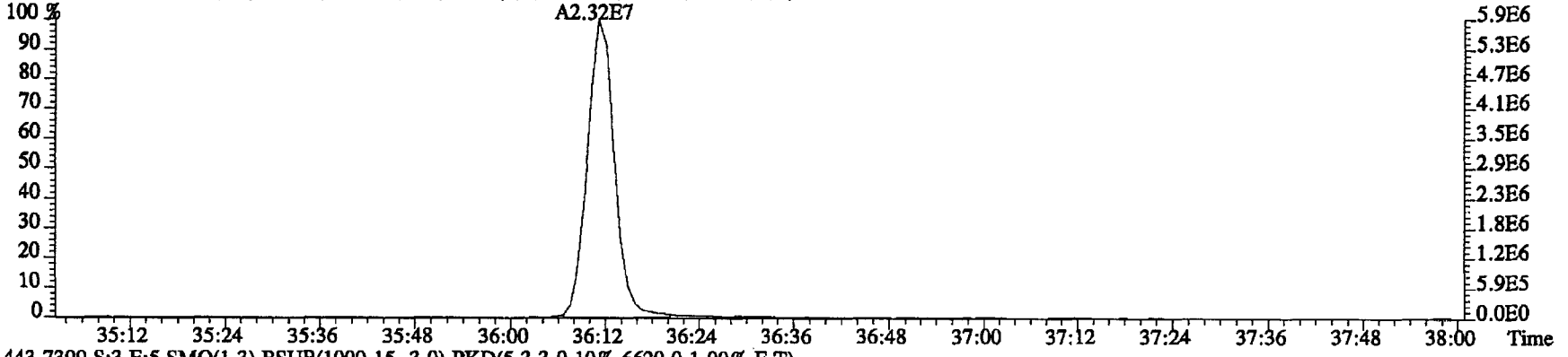
435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17464.0,1.00%,F,T)



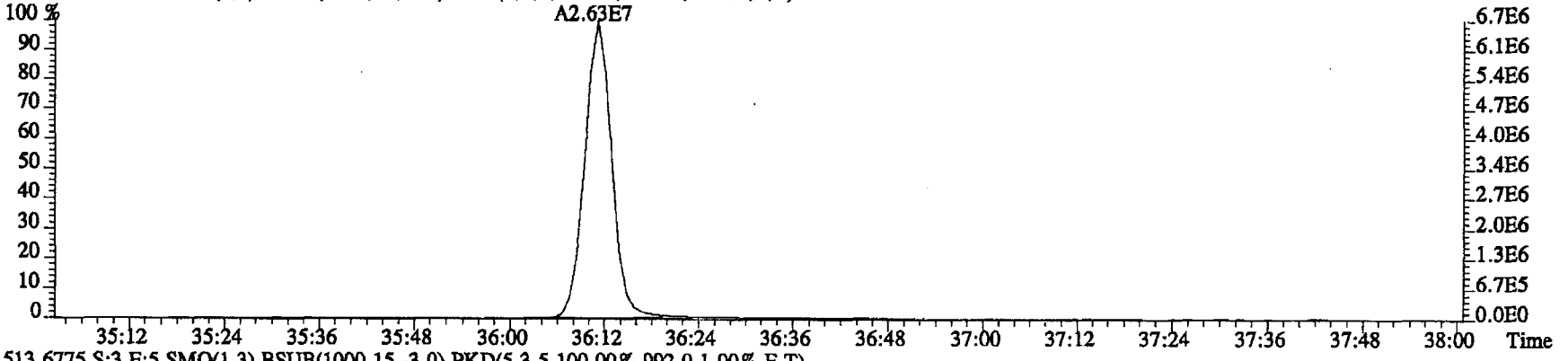
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7400.0,1.00%,F,T)



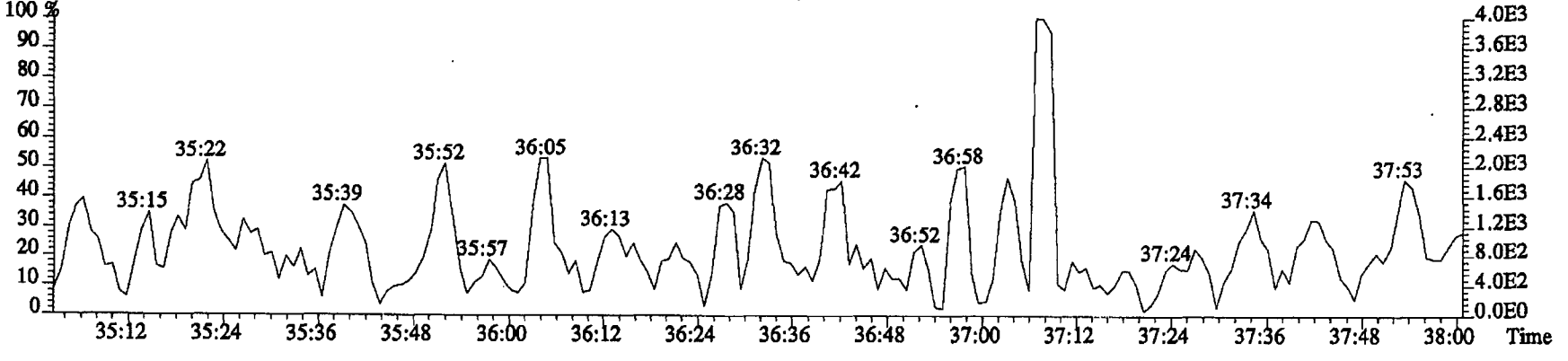
File:14SE101D5 #1-196 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)



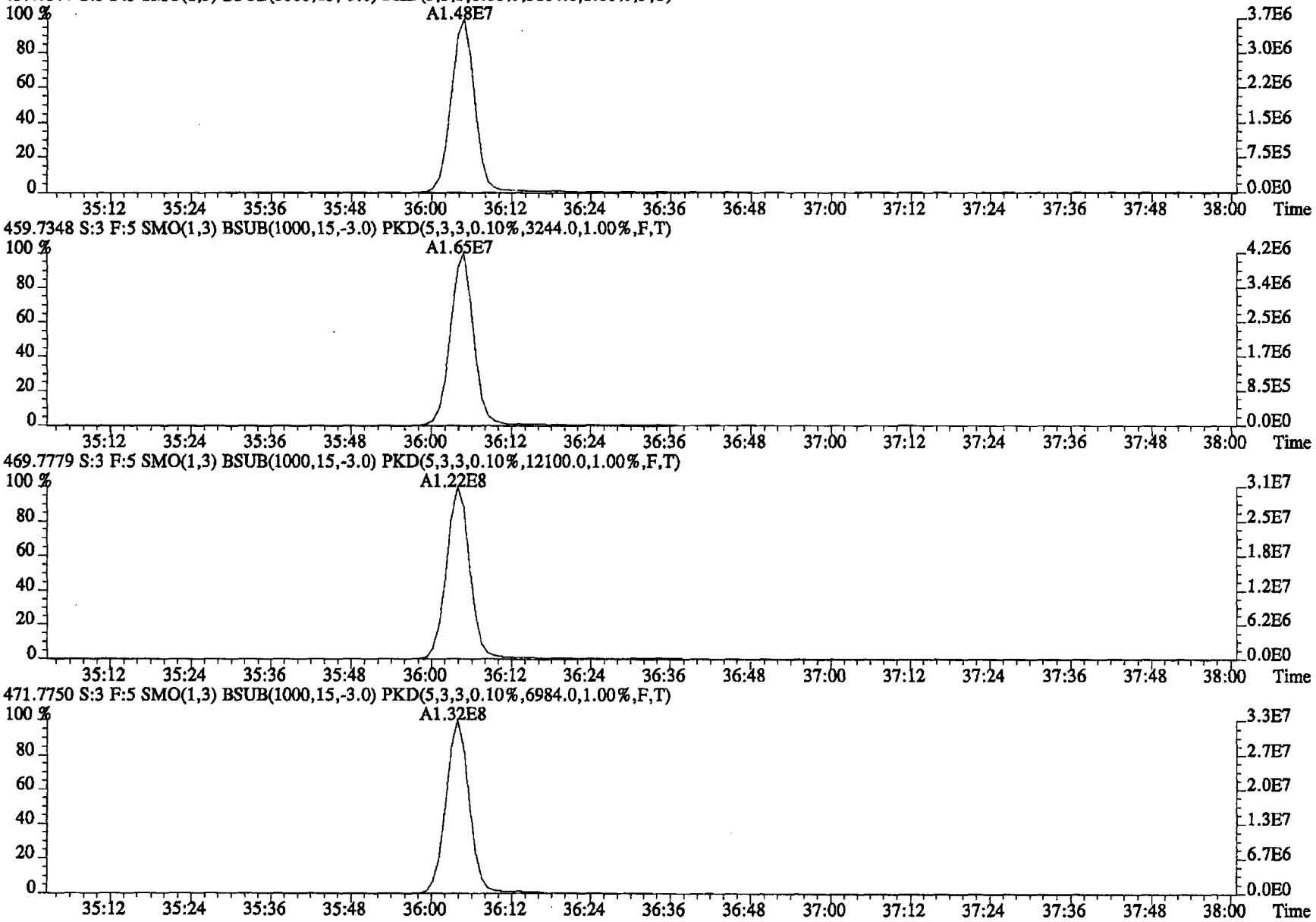
443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6620.0,1.00%,F,T)



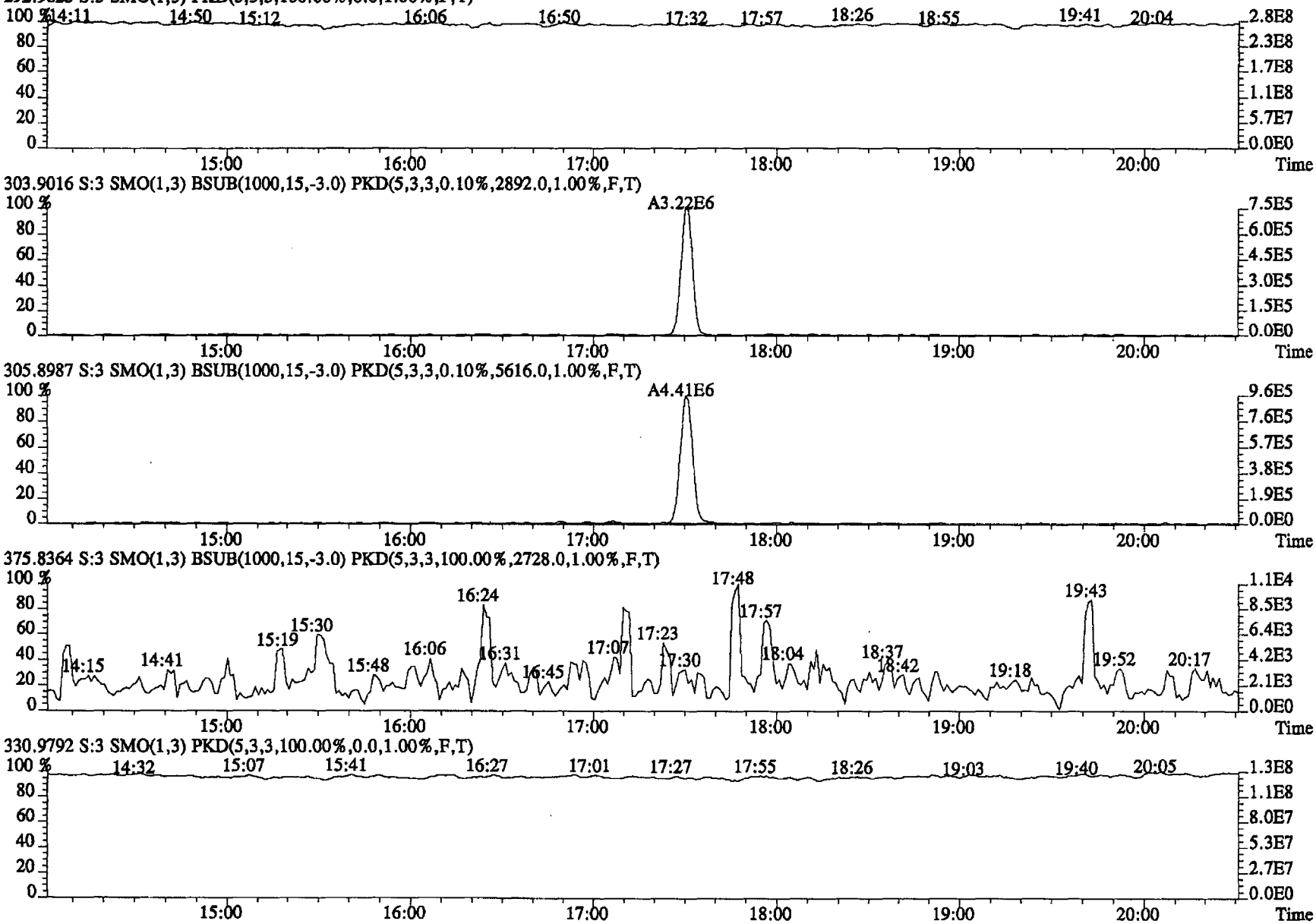
513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,992.0,1.00%,F,T)



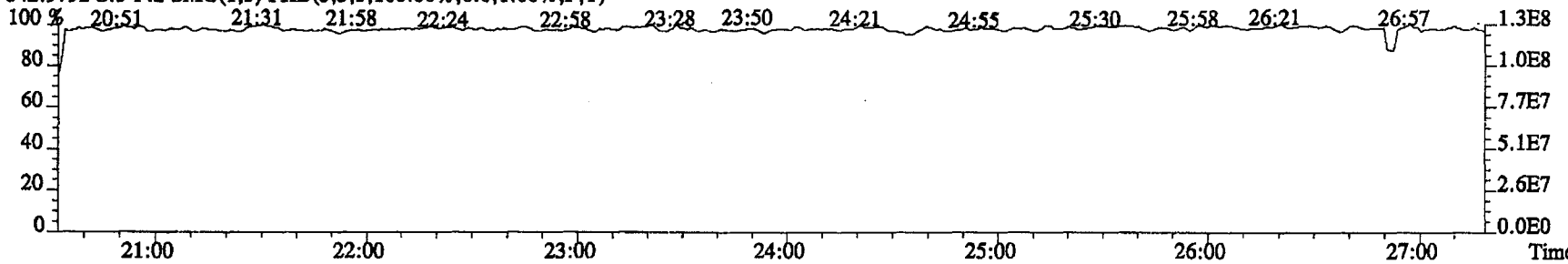
File:14SE101D5 #1-196 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES



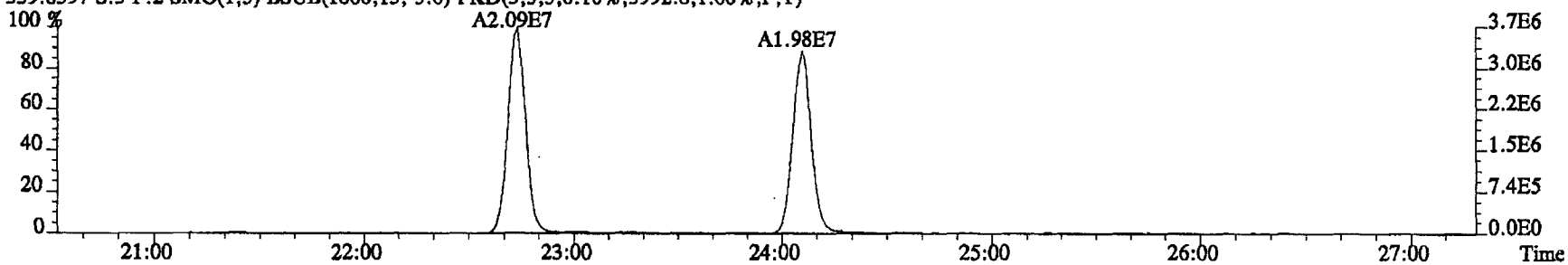
File:14SE101D5 #1-382 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES



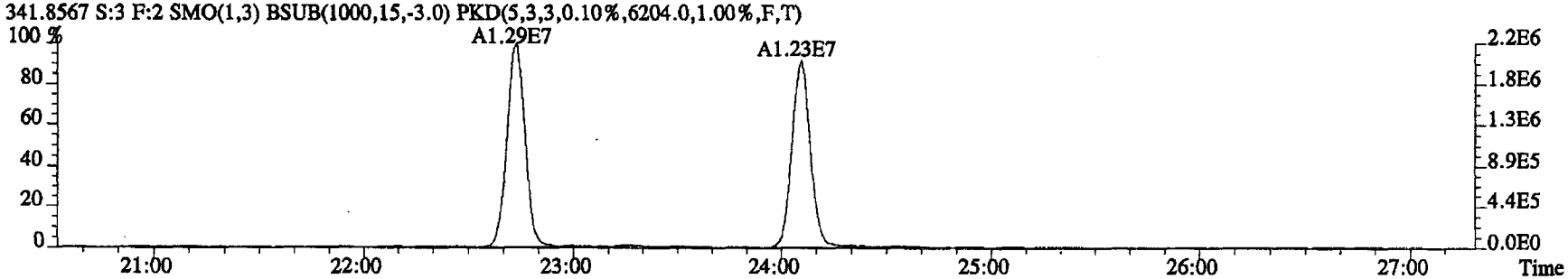
File:14SE101D5 #1-422 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



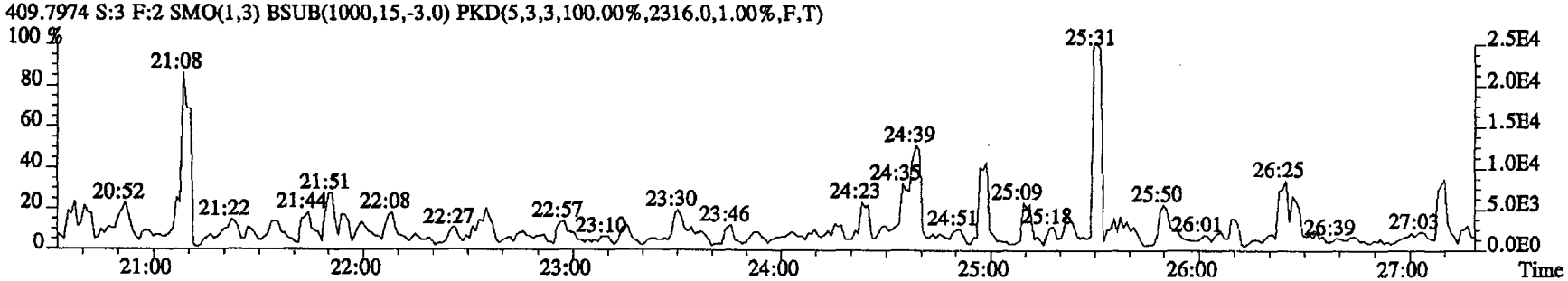
339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3992.0,1.00%,F,T)

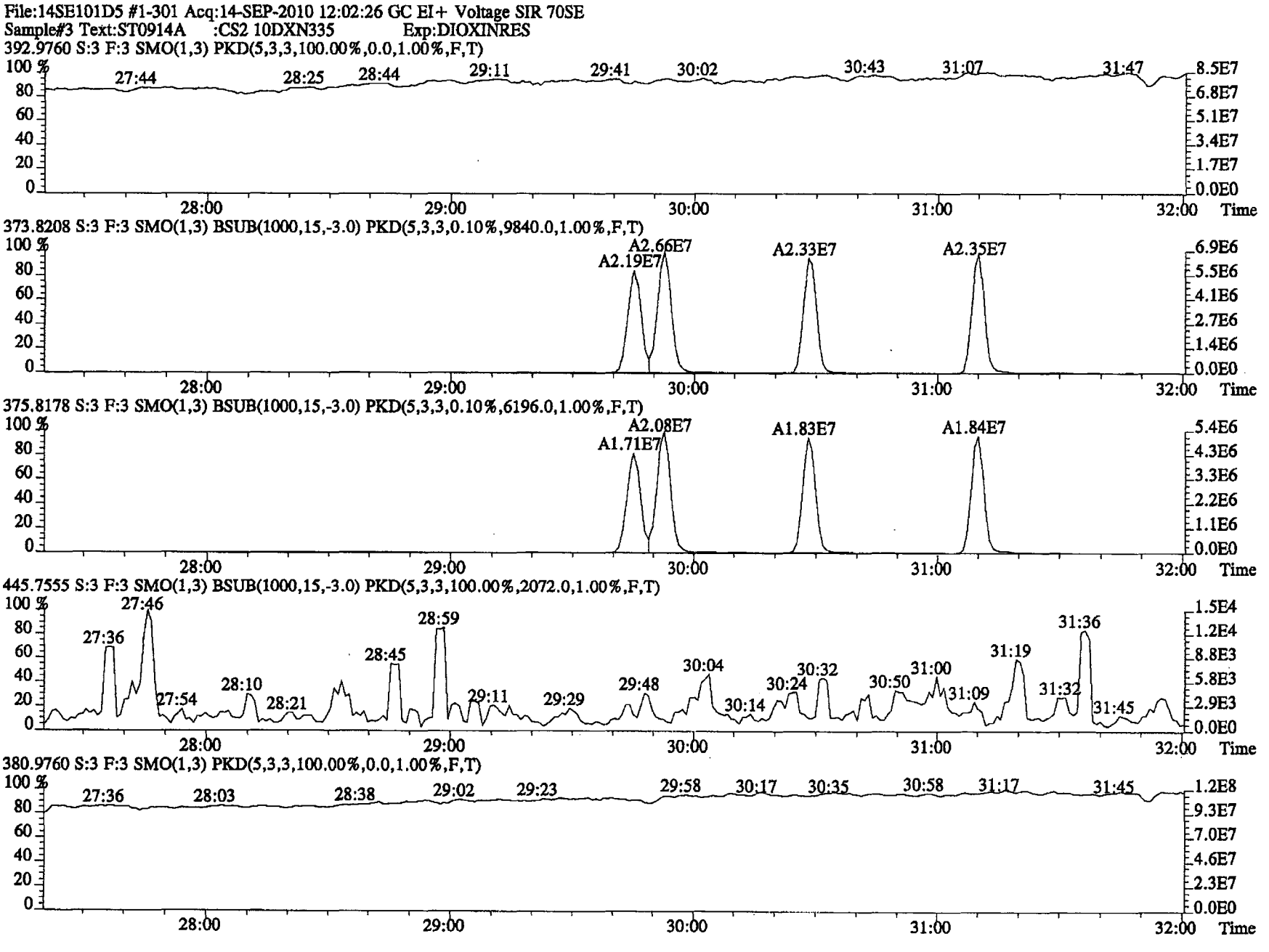


341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6204.0,1.00%,F,T)

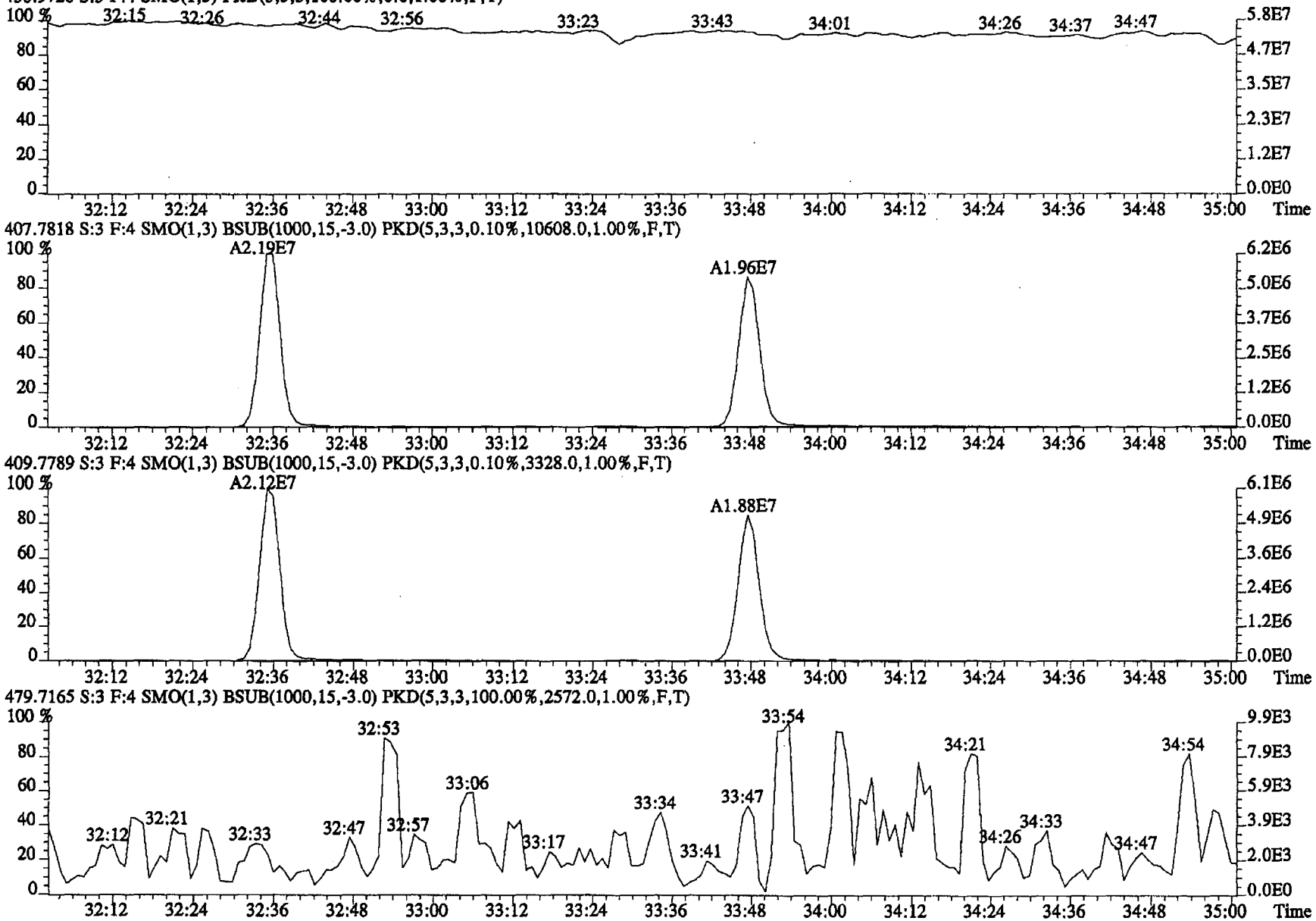


409.7974 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2316.0,1.00%,F,T)

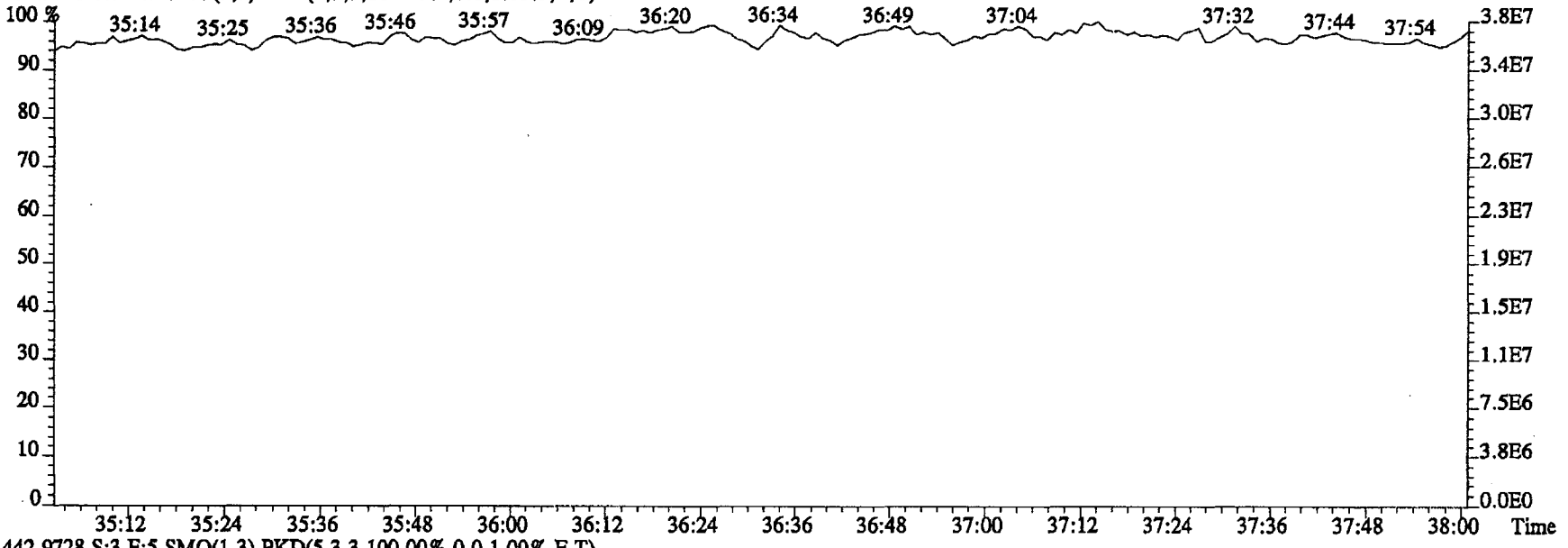



File:14SE101D5 #1-301 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9840.0,1.00%,F,T)
A2.19E7
A2.66E7
A2.33E7
A2.35E7
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6196.0,1.00%,F,T)
A1.71E7
A2.08E7
A1.83E7
A1.84E7
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2072.0,1.00%,F,T)
380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

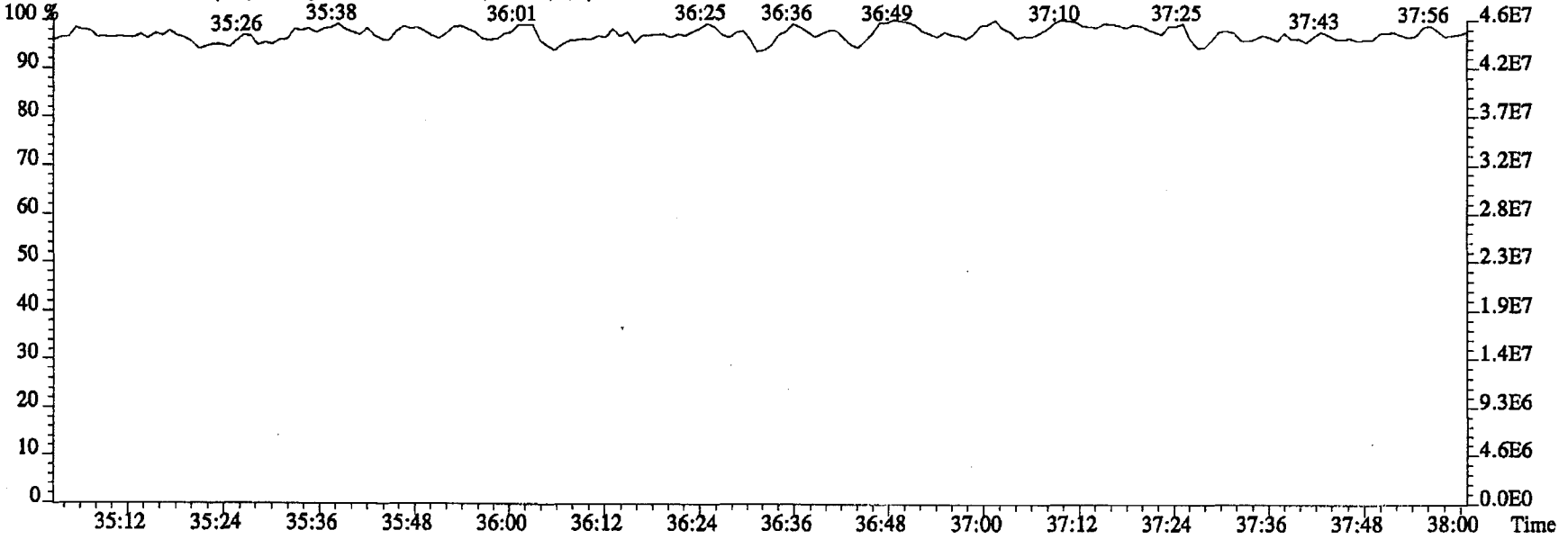
File:14SE101D5 #1-203 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES



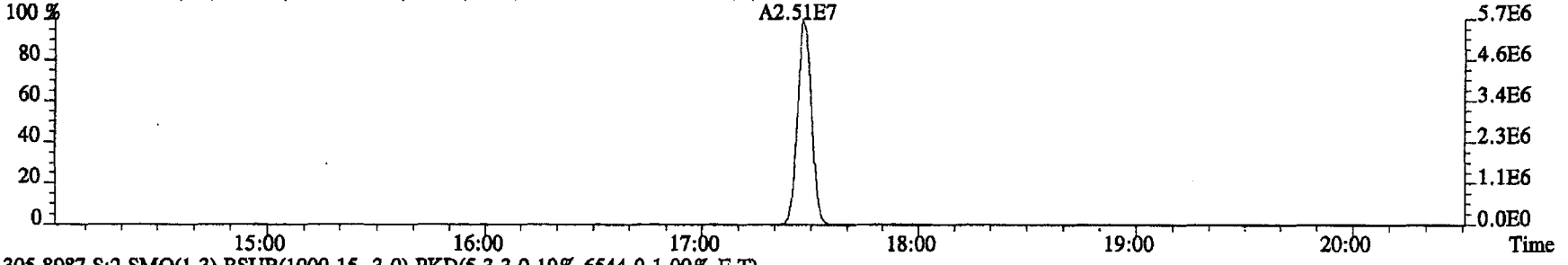
File:14SE101D5 #1-196 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



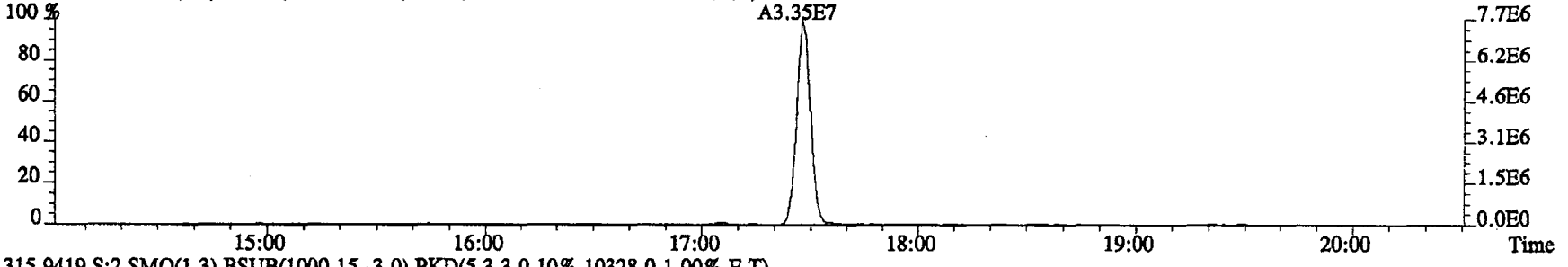
442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



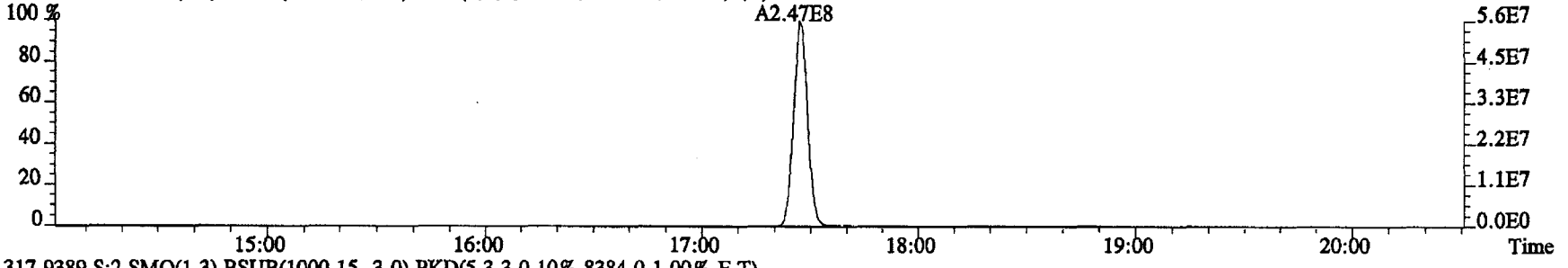
File:14SE101D5 #1-382 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5980.0,1.00%,F,T)



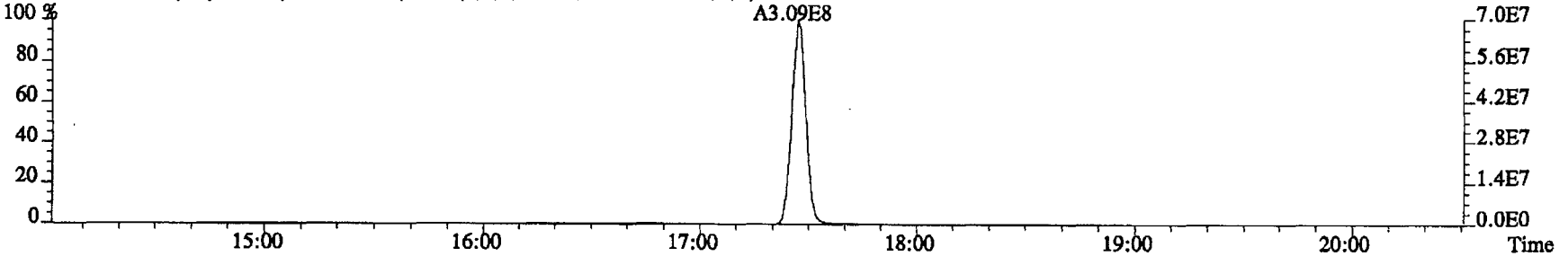
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6544.0,1.00%,F,T)



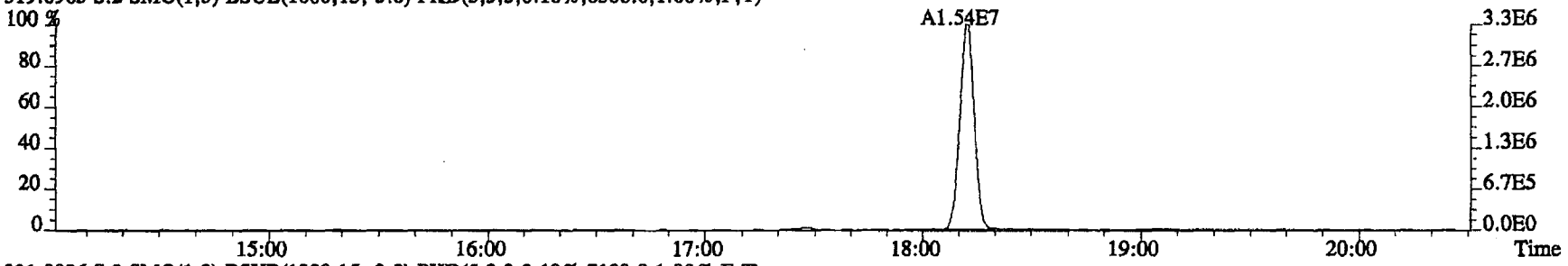
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10328.0,1.00%,F,T)

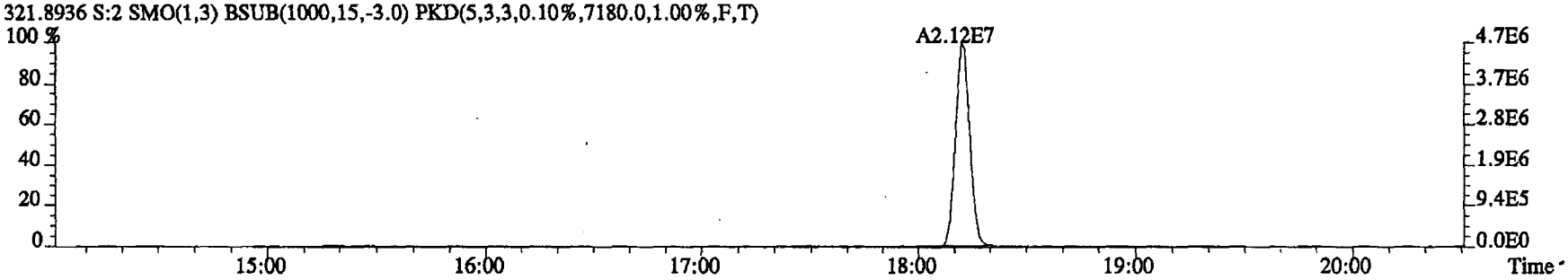


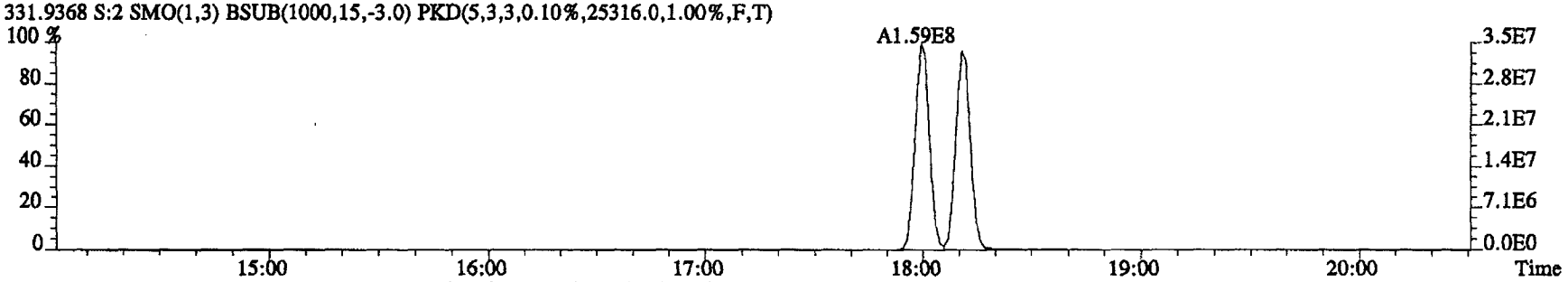
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8384.0,1.00%,F,T)

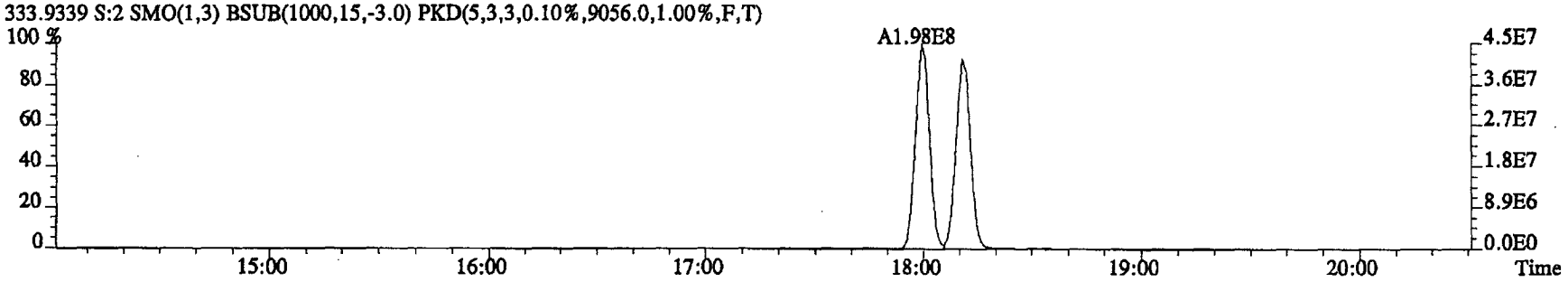


File:14SE101D5 #1-382 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES

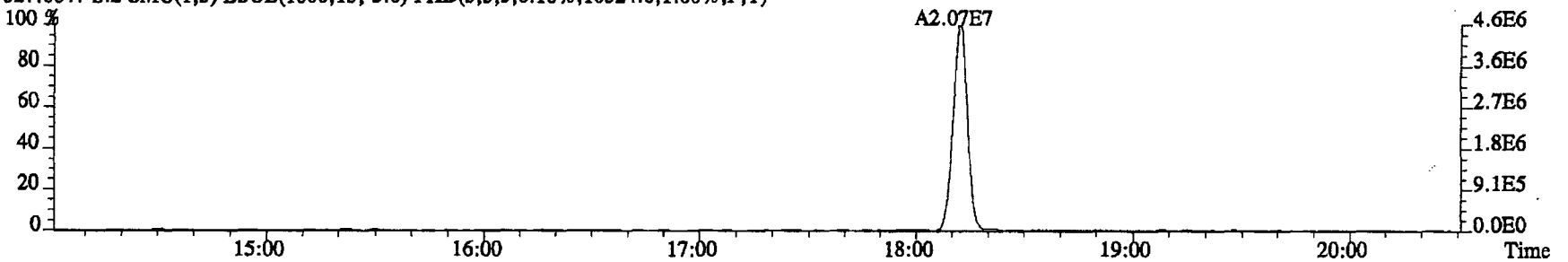




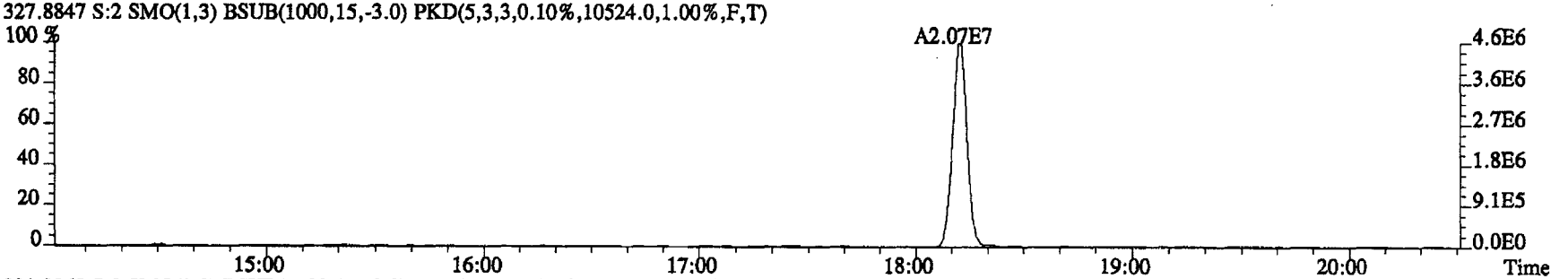




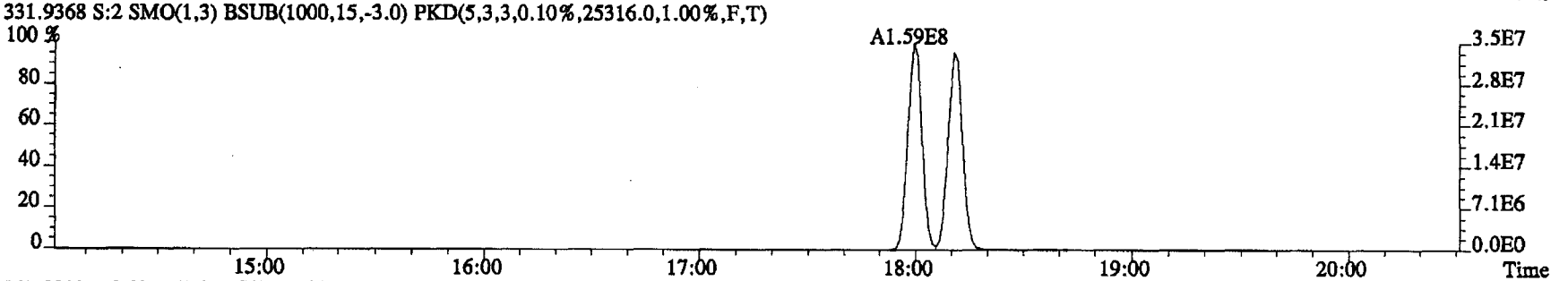
File:14SE101D5 #1-382 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10524.0,1.00%,F,T)



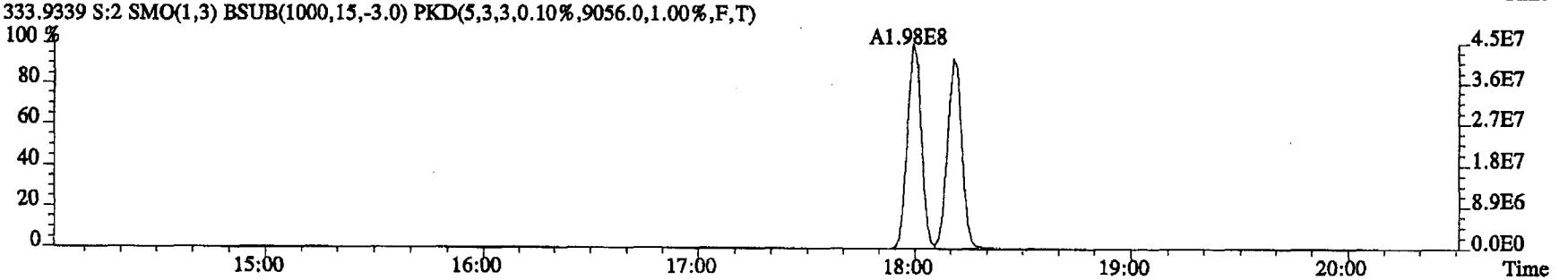
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10524.0,1.00%,F,T)



331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25316.0,1.00%,F,T)

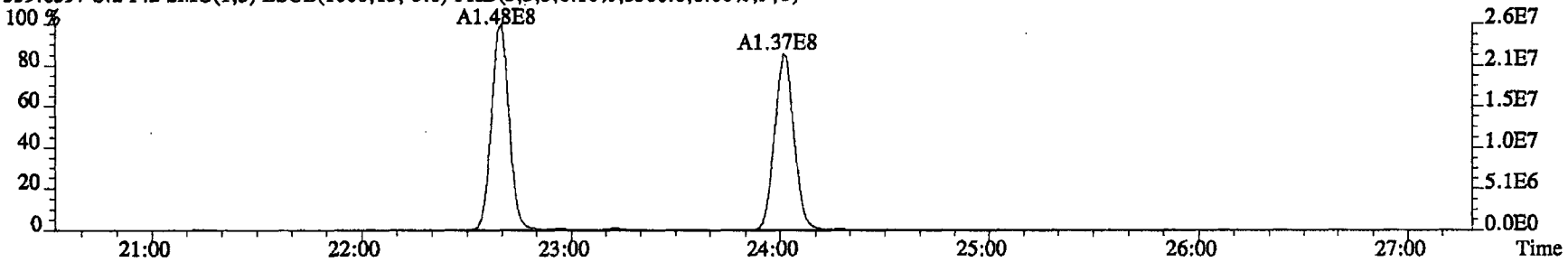


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9056.0,1.00%,F,T)

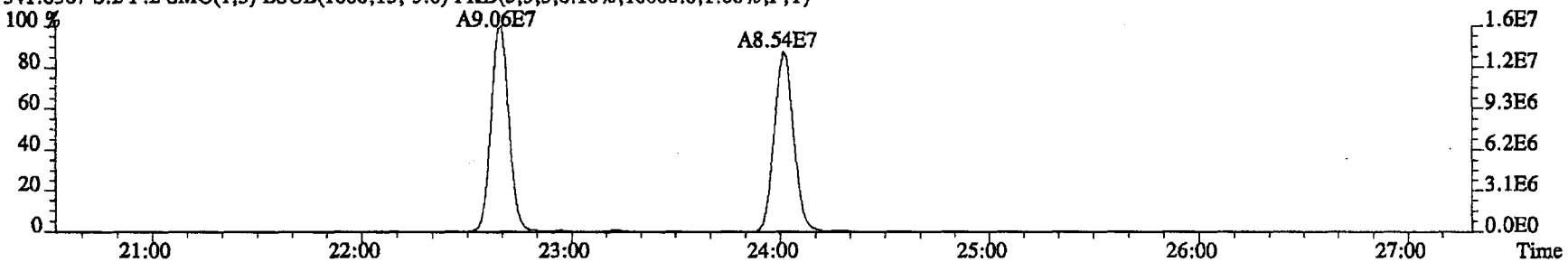


File:14SE101D5 #1-422 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES

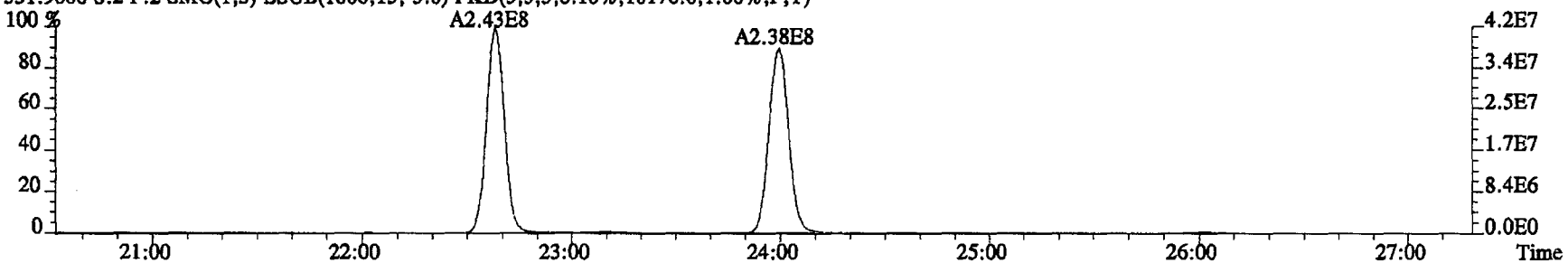
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5580.0,1.00%,F,T)



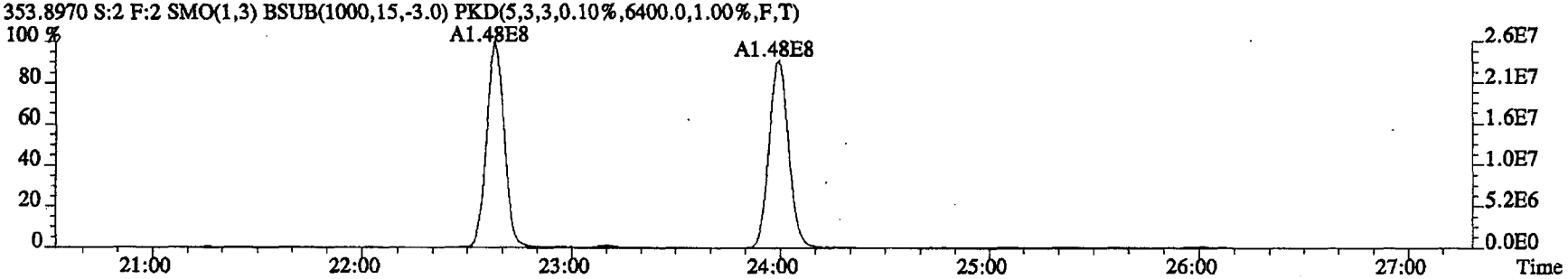
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10000.0,1.00%,F,T)



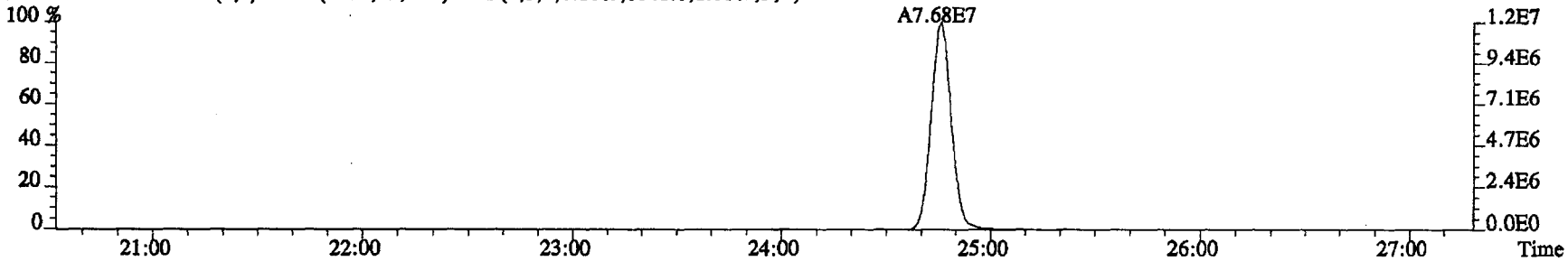
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10176.0,1.00%,F,T)



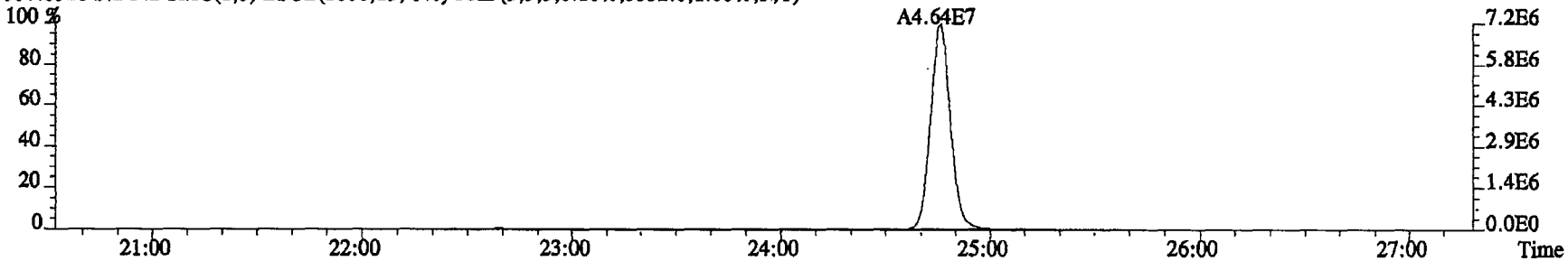
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6400.0,1.00%,F,T)



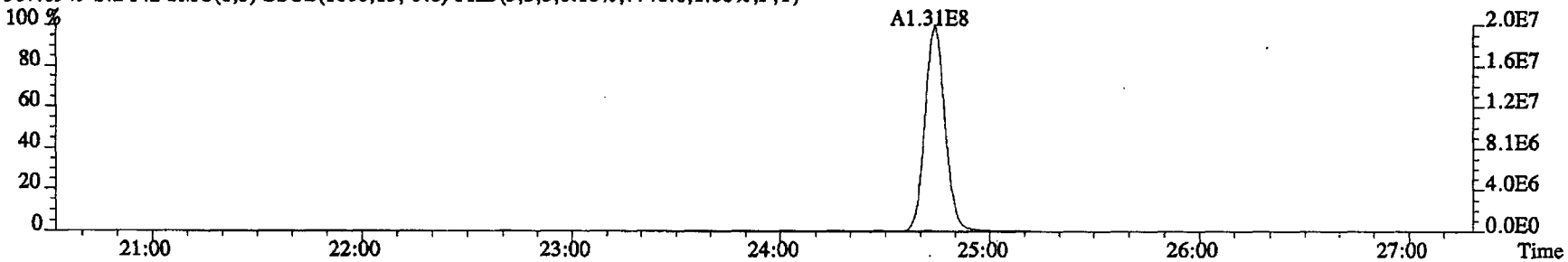
File:14SE101D5 #1-422 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6848.0,1.00%,F,T)



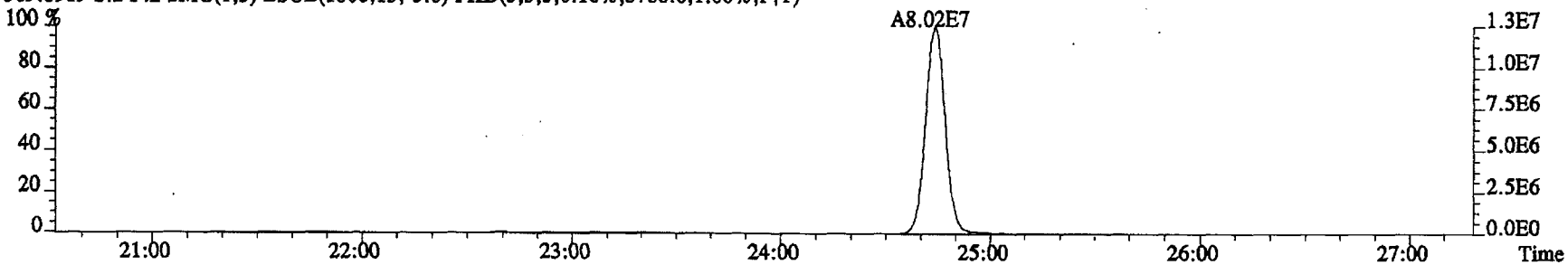
357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5352.0,1.00%,F,T)



367.8949 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7740.0,1.00%,F,T)

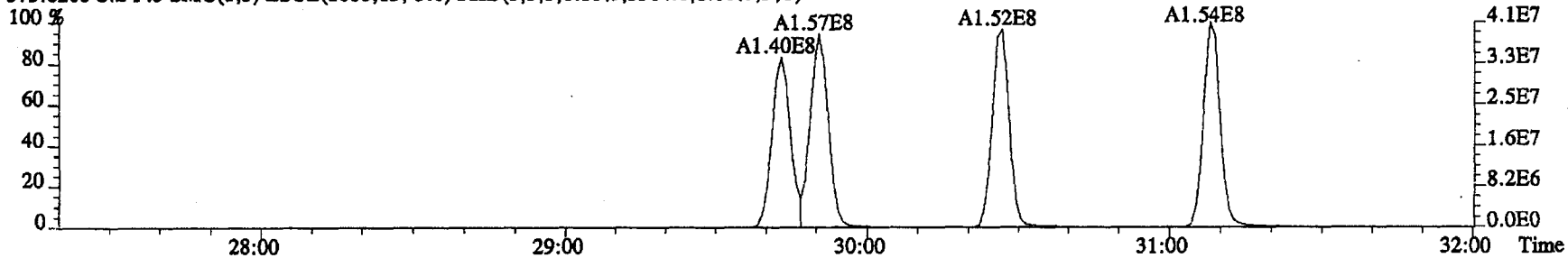


369.8919 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3788.0,1.00%,F,T)

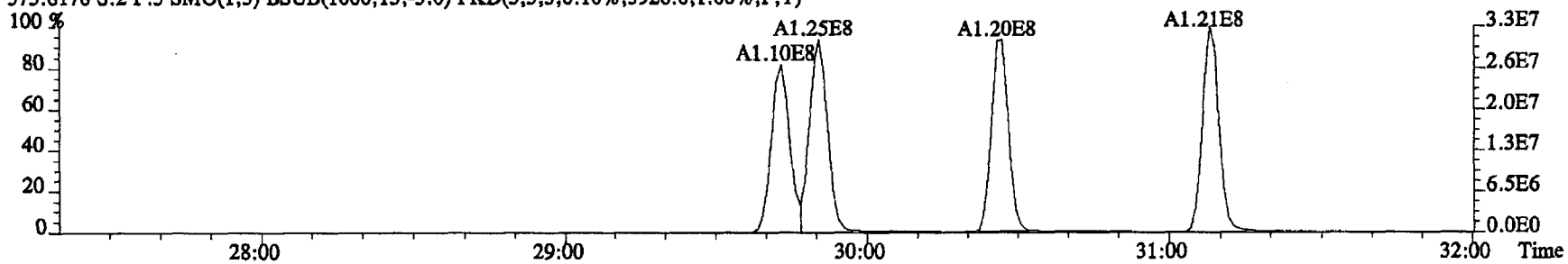


File:14SE101D5 #1-301 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES

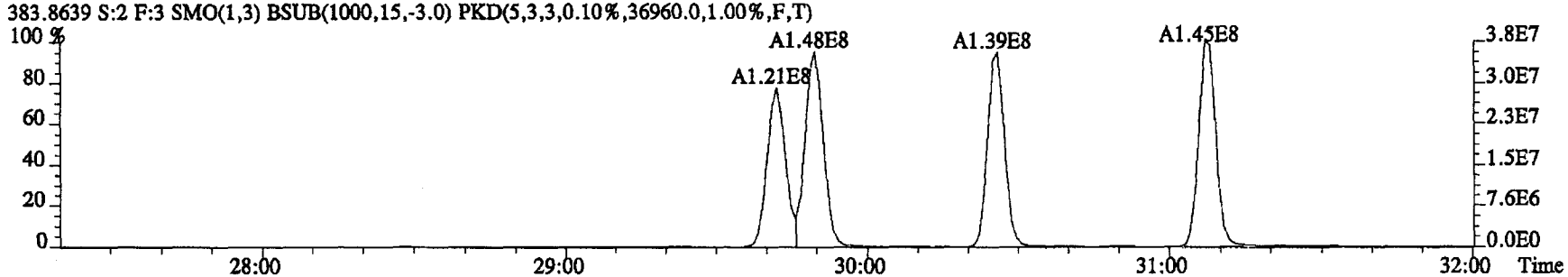
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5584.0,1.00%,F,T)



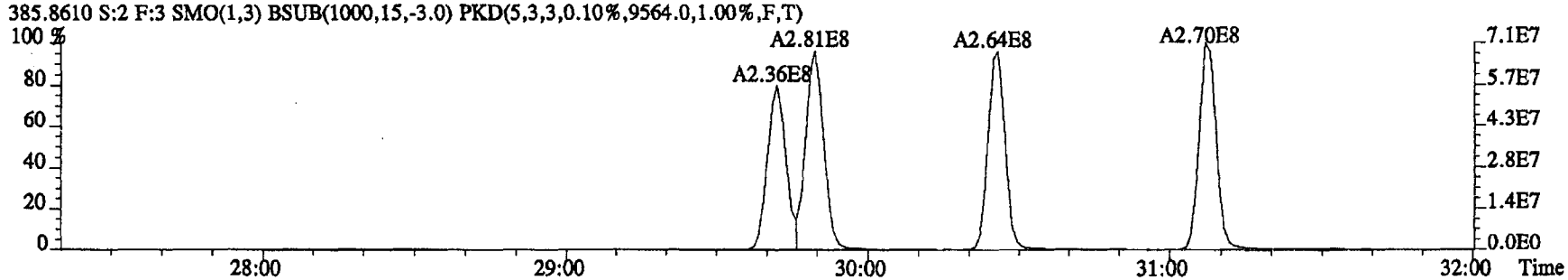
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3928.0,1.00%,F,T)



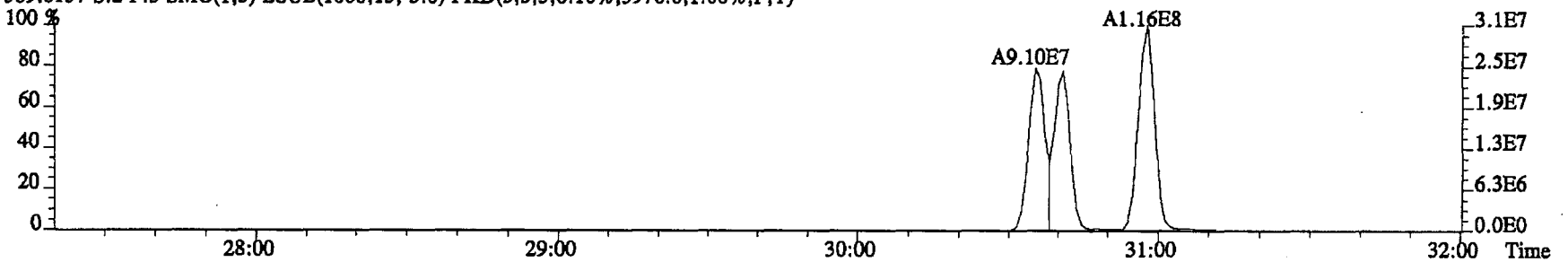
383.8639 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36960.0,1.00%,F,T)



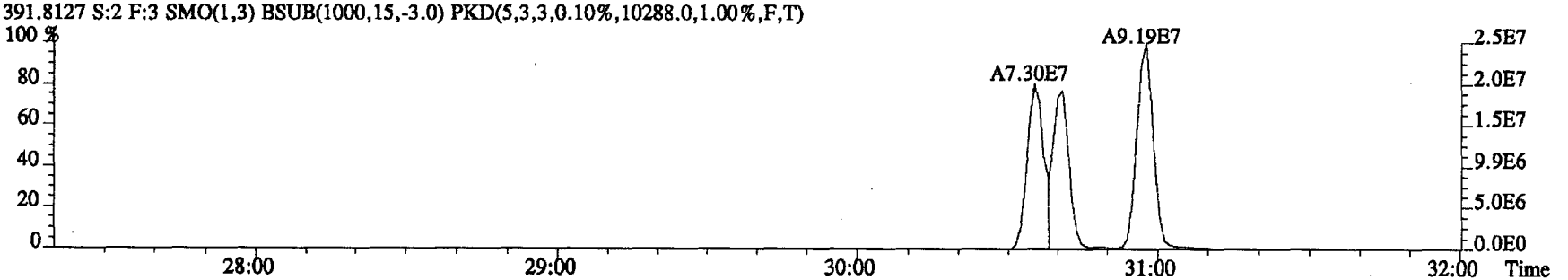
385.8610 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9564.0,1.00%,F,T)



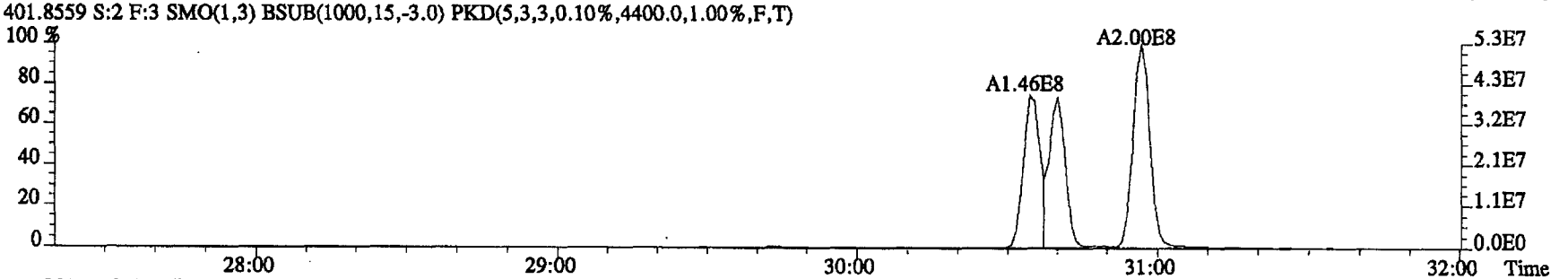
File:14SE101D5 #1-301 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3976.0,1.00%,F,T)



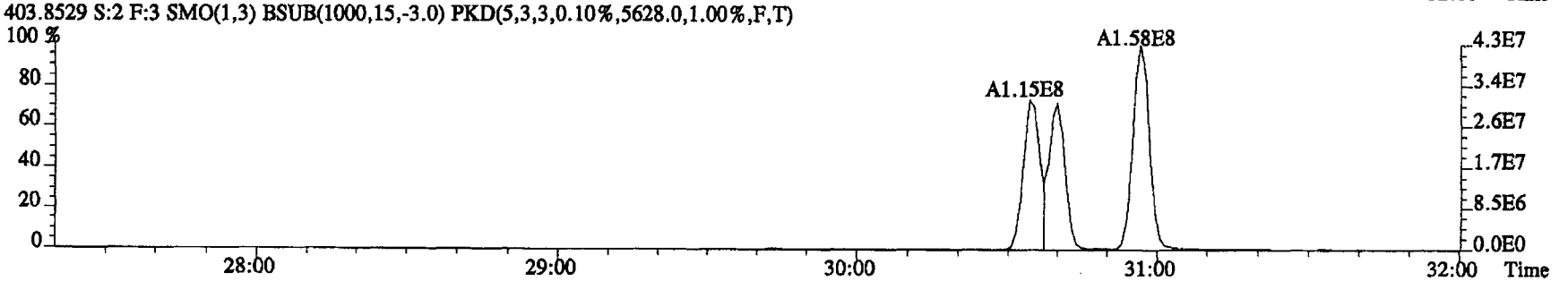
391.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10288.0,1.00%,F,T)



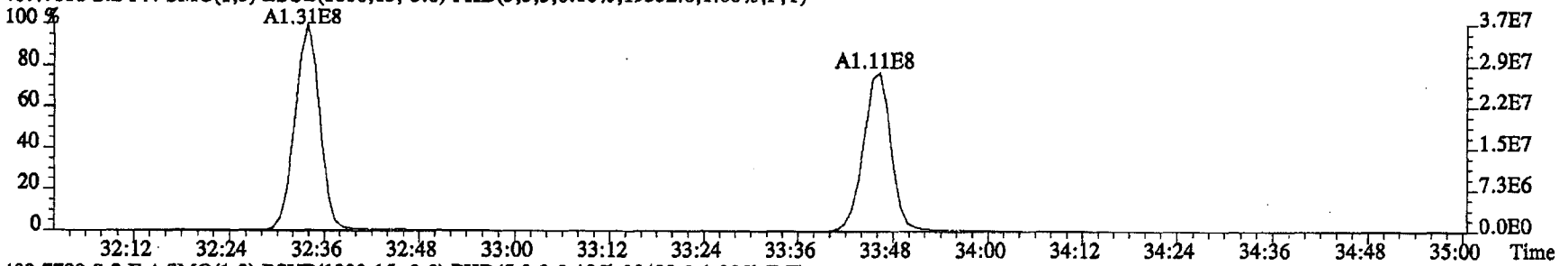
401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4400.0,1.00%,F,T)



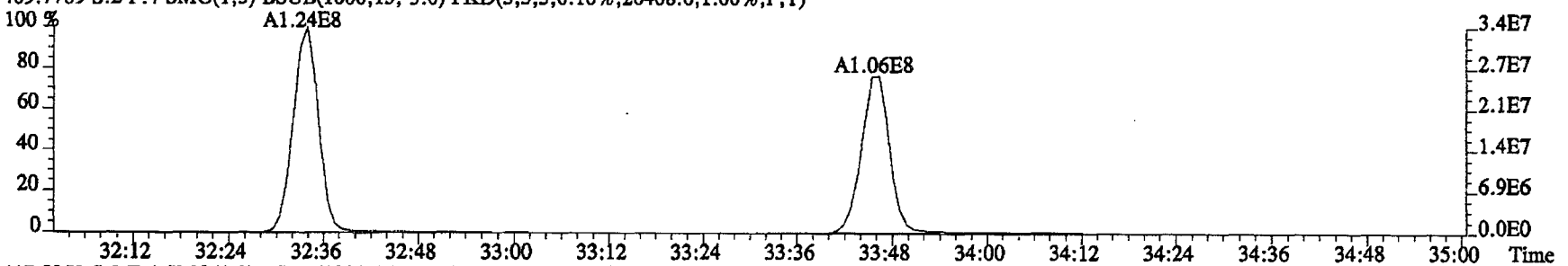
403.8529 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5628.0,1.00%,F,T)



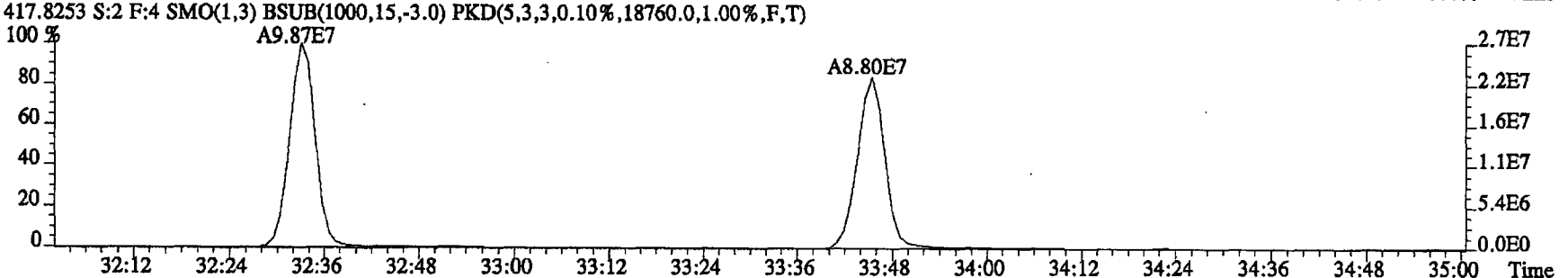
File:14SE101D5 #1-203 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19552.0,1.00%,F,T)



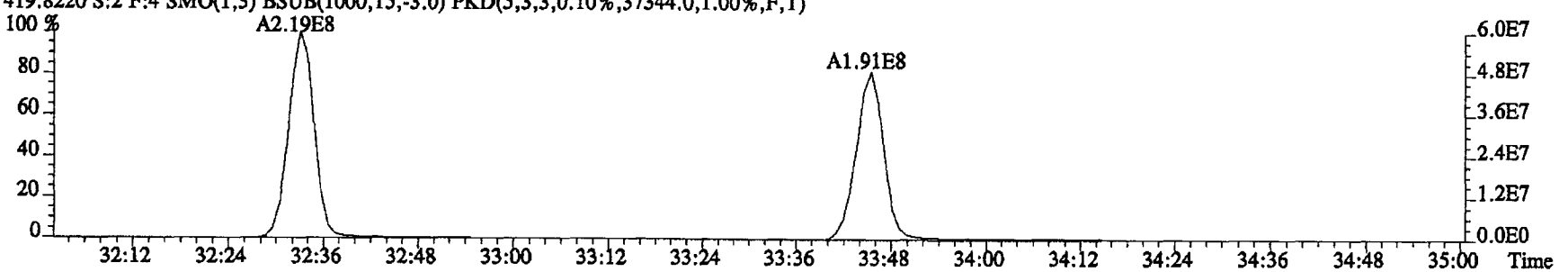
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20408.0,1.00%,F,T)



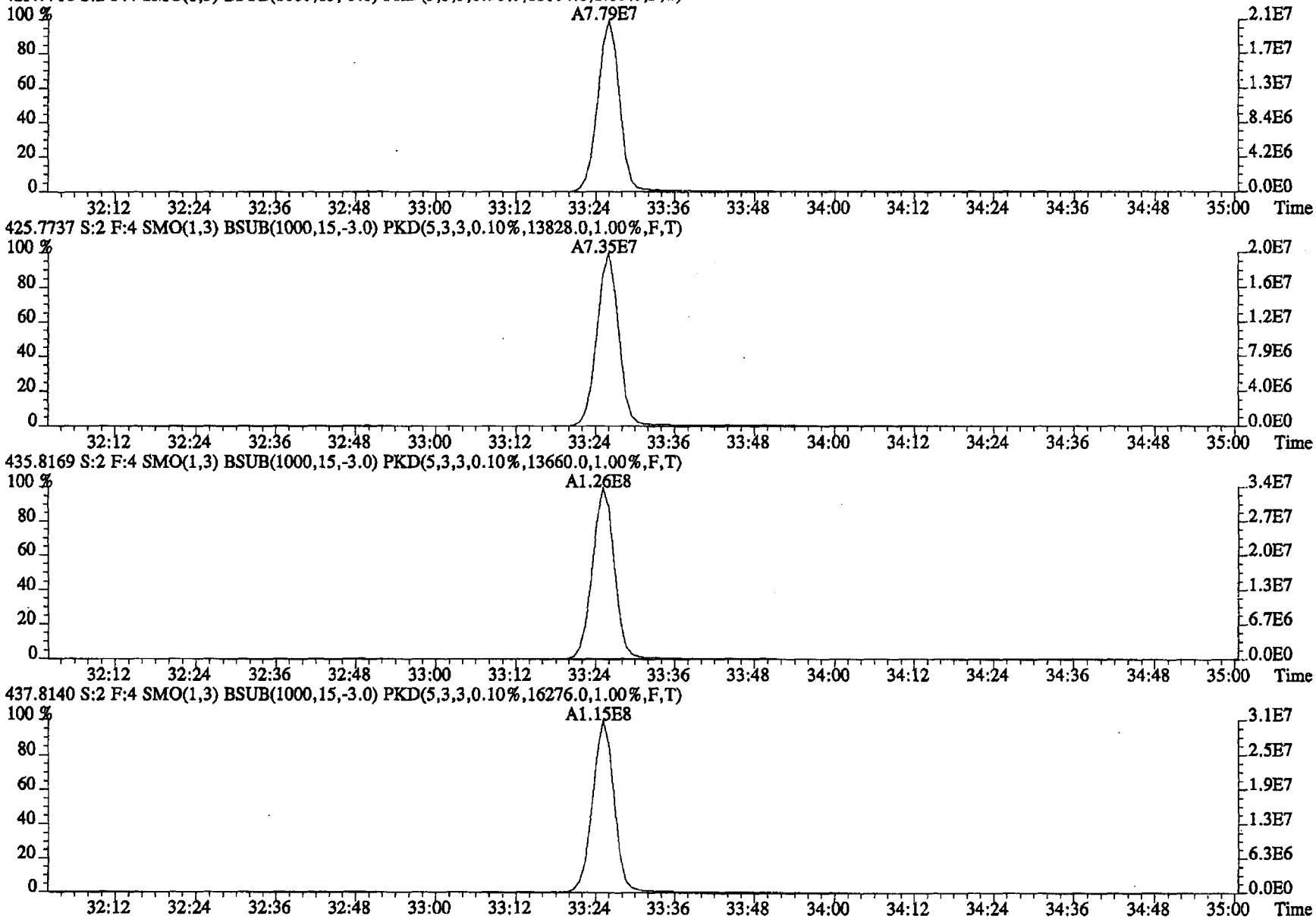
417.8253 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18760.0,1.00%,F,T)



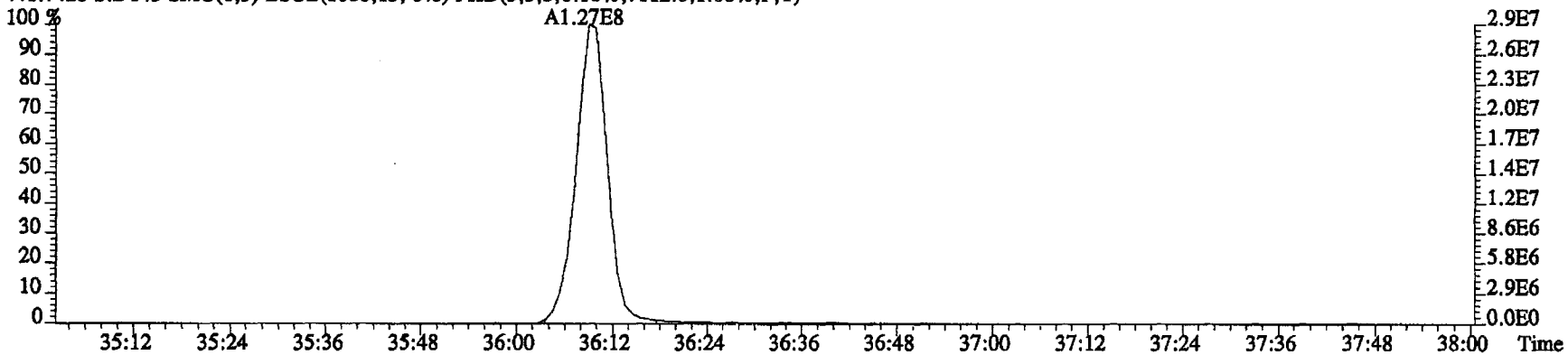
419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37344.0,1.00%,F,T)



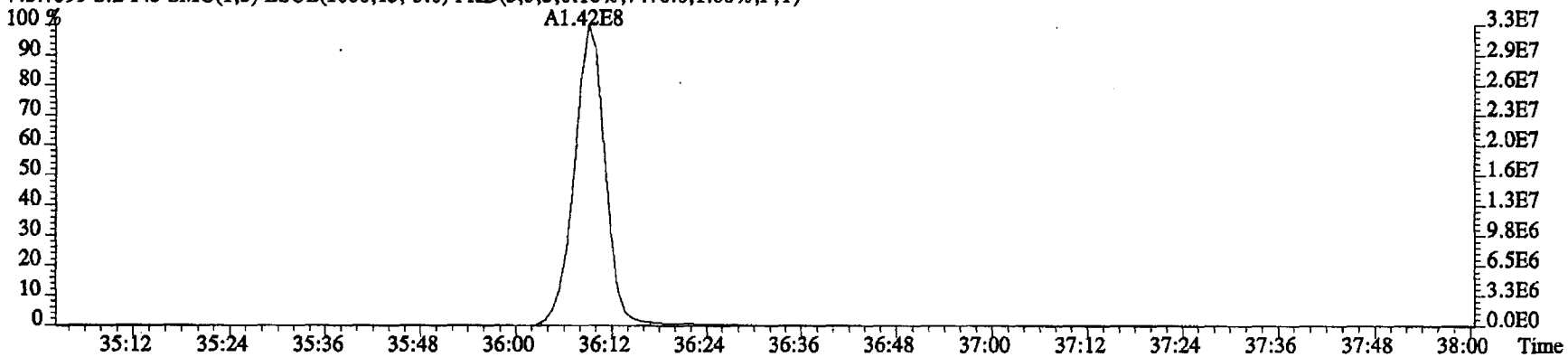
File:14SE101D5 #1-203 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES



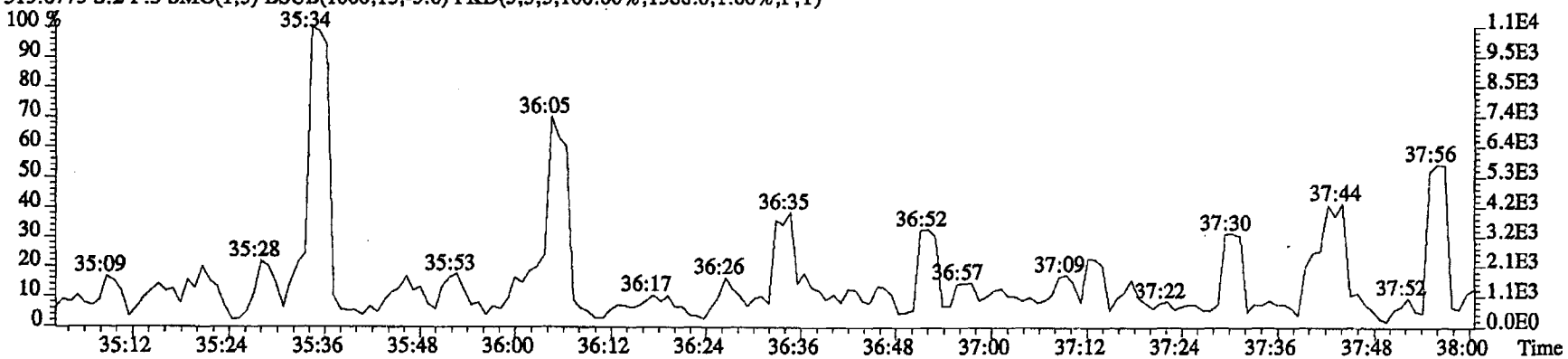
File:14SE101D5 #1-196 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7112.0,1.00%,F,T)



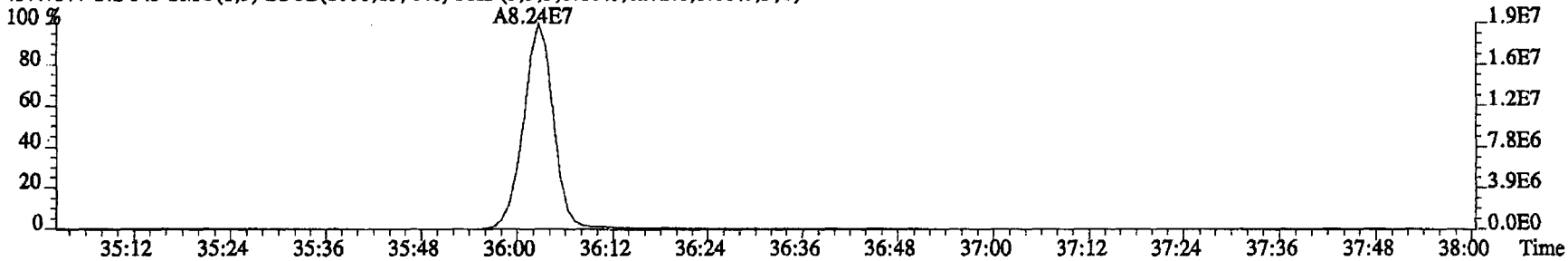
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7476.0,1.00%,F,T)



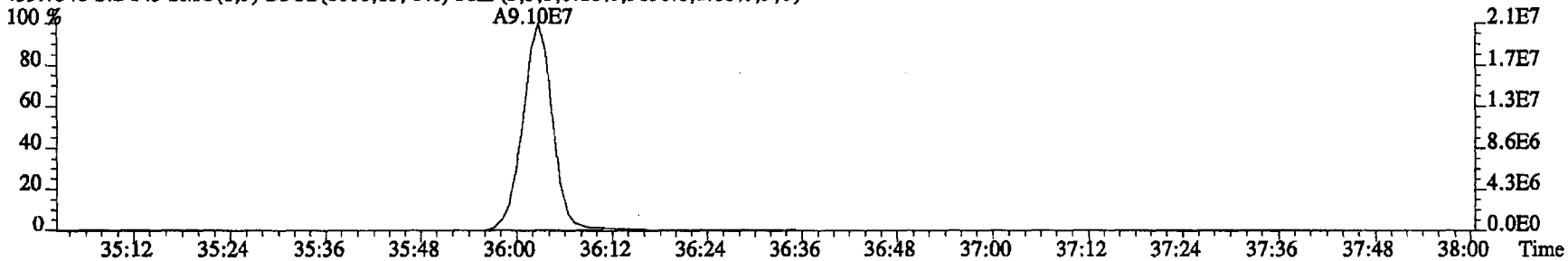
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1388.0,1.00%,F,T)



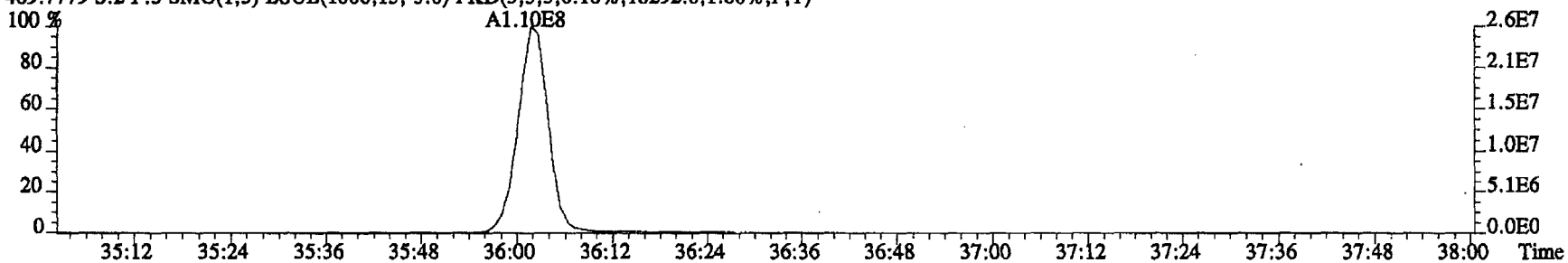
File:14SE101D5 #1-196 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6272.0,1.00%,F,T)



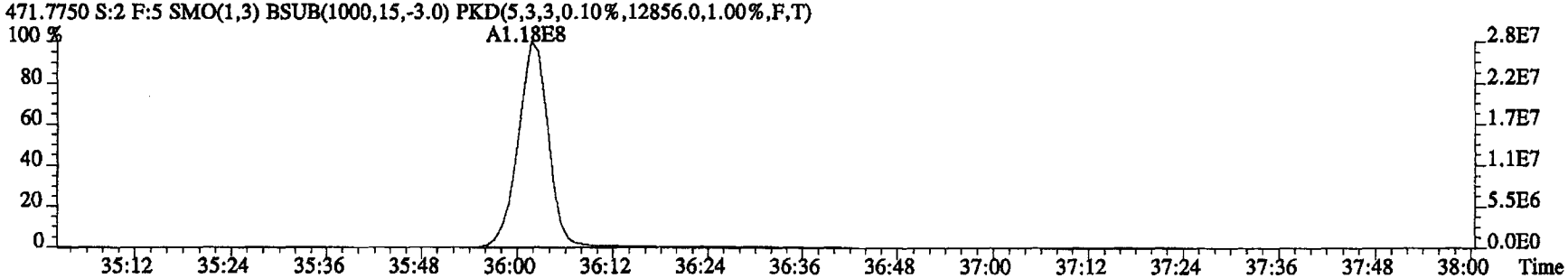
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9636.0,1.00%,F,T)



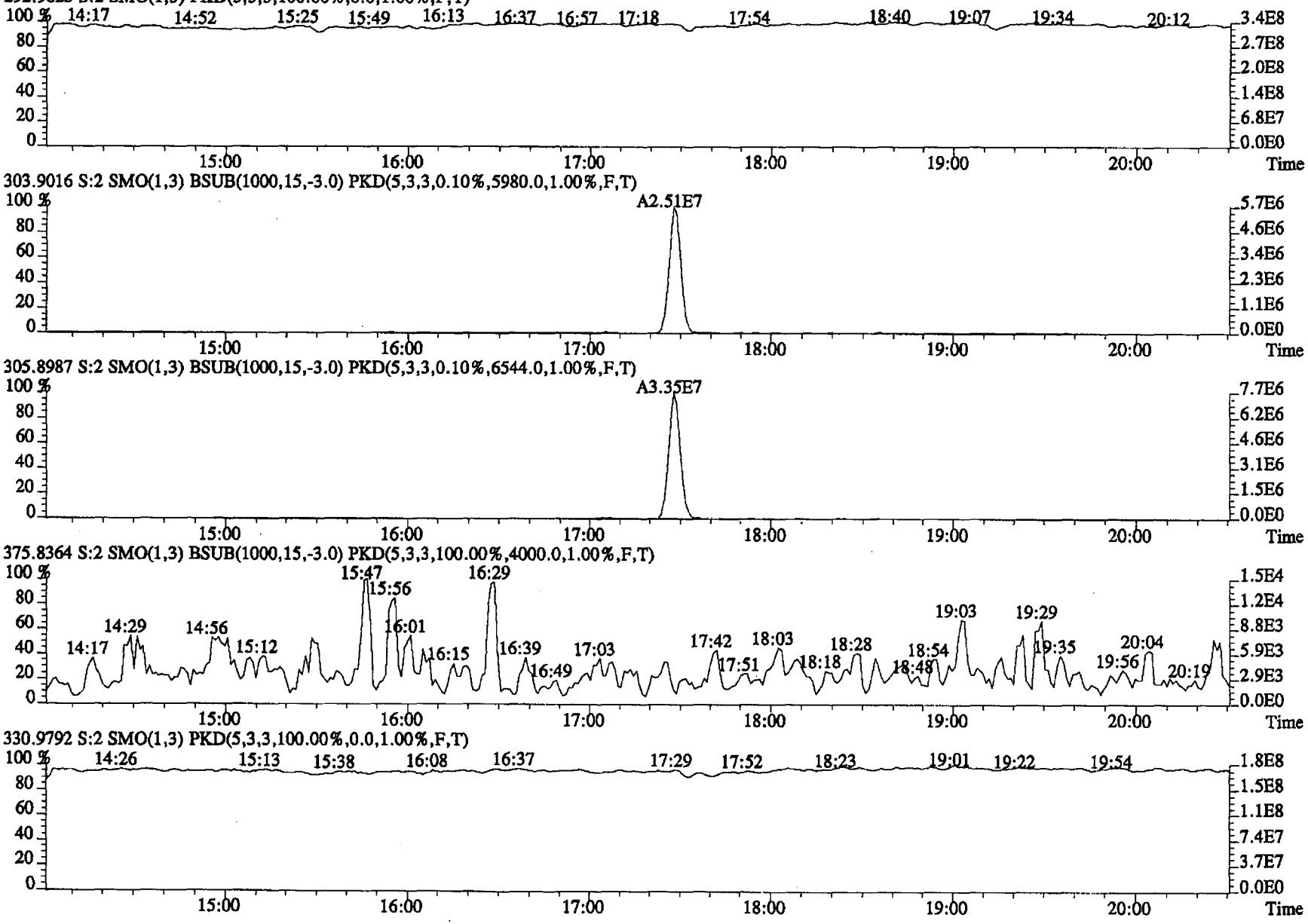
469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18292.0,1.00%,F,T)



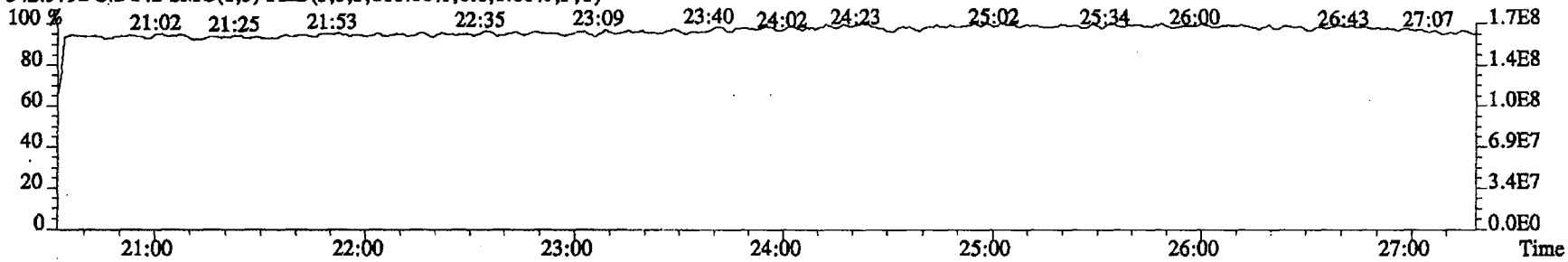
471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12856.0,1.00%,F,T)



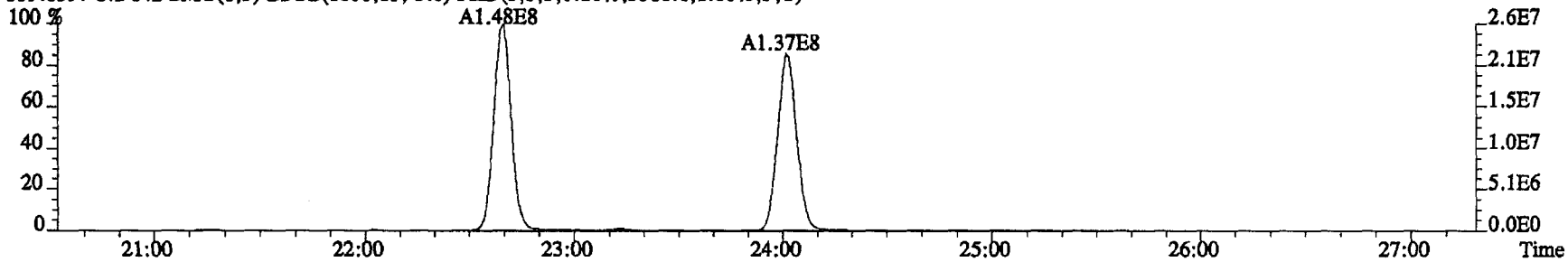
File:14SE101D5 #1-382 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES



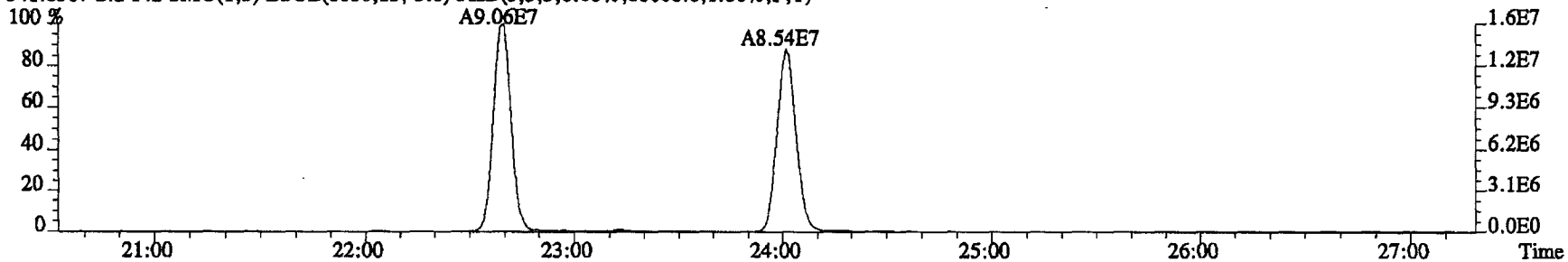
File:14SE101D5 #1-422 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



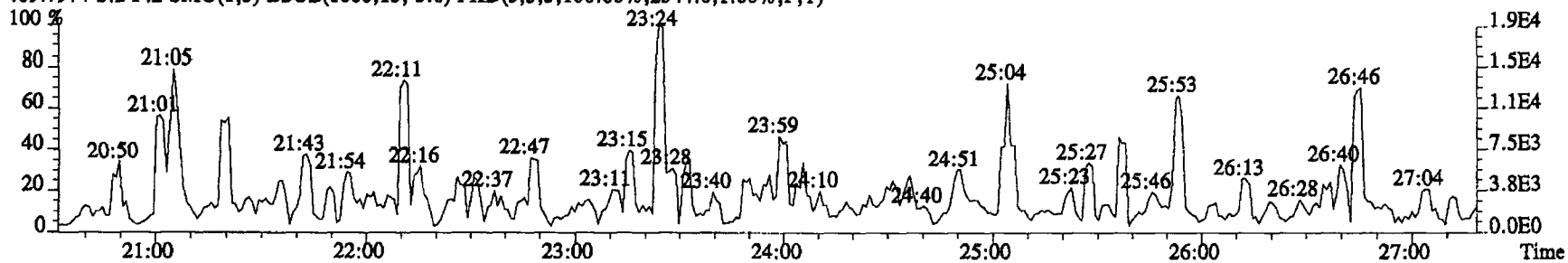
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5580.0,1.00%,F,T)

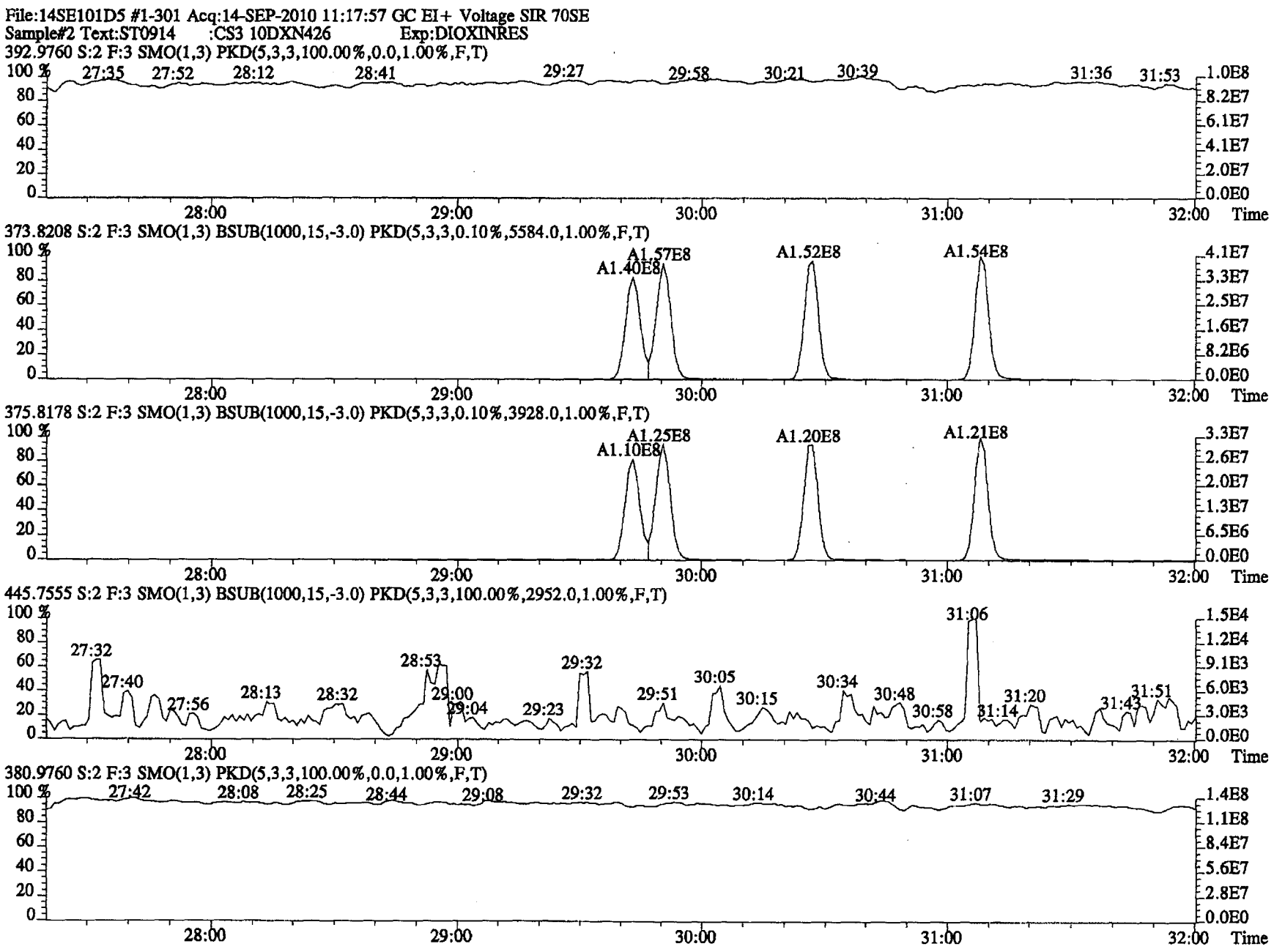


341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10000.0,1.00%,F,T)

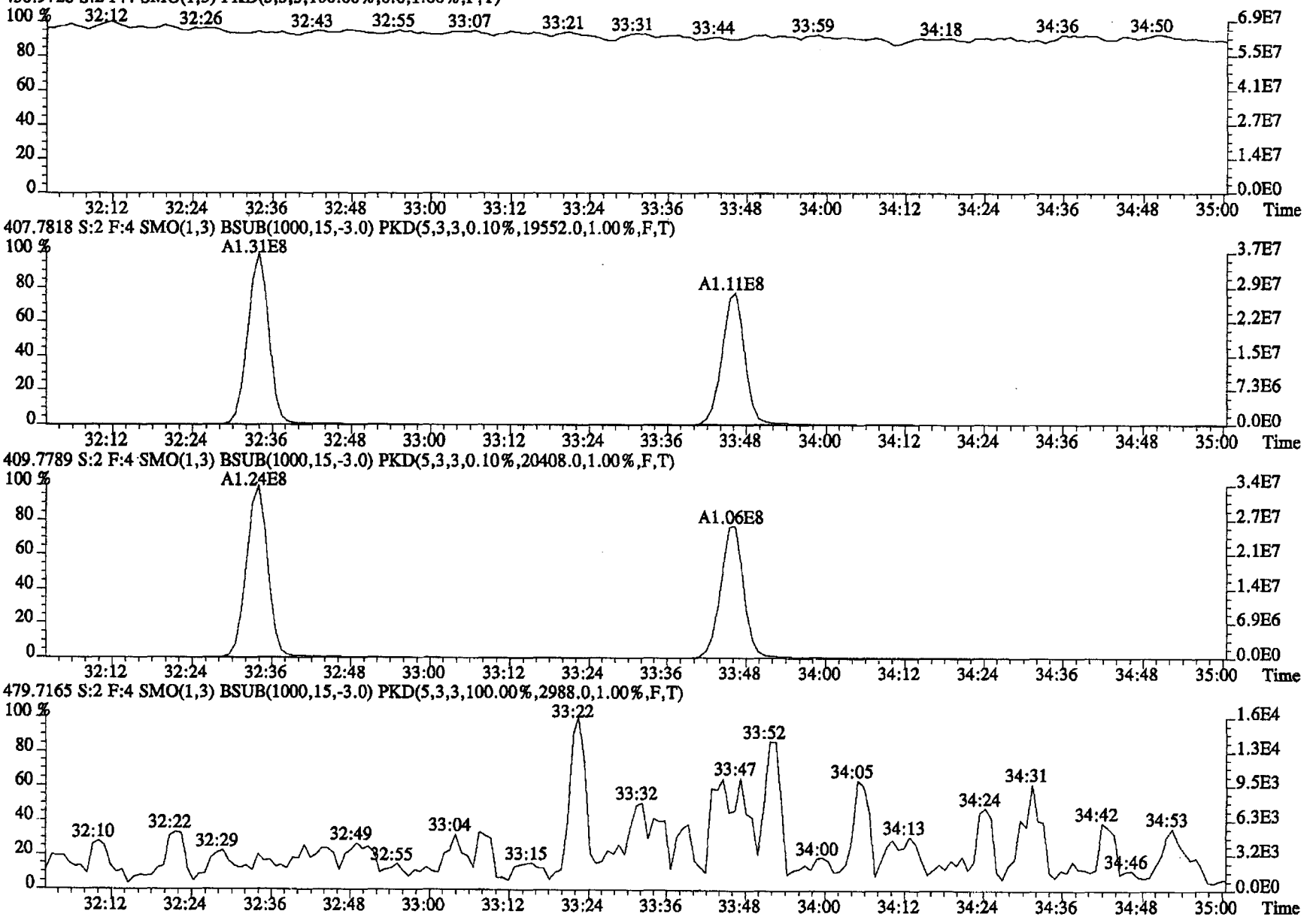


409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2344.0,1.00%,F,T)

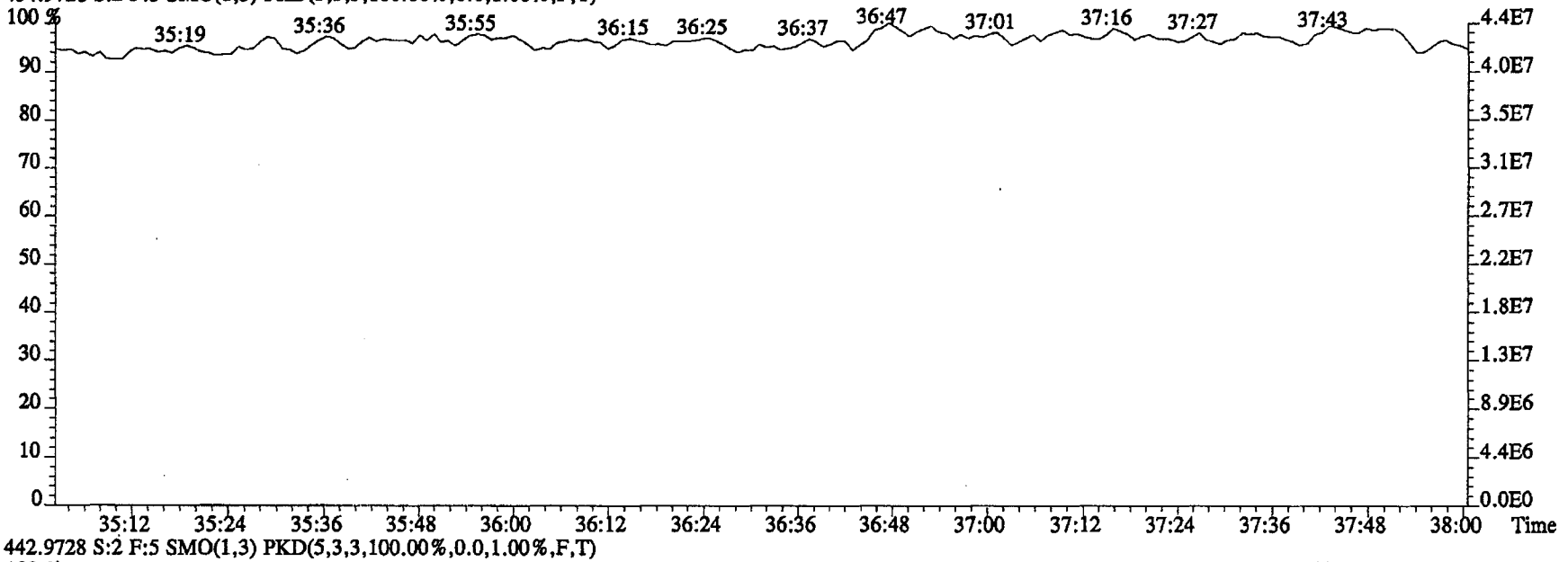



File:14SE101D5 #1-301 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5584.0,1.00%,F,T)
A1.40E8
A1.57E8
A1.52E8
A1.54E8
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3928.0,1.00%,F,T)
A1.10E8
A1.25E8
A1.20E8
A1.21E8
445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2952.0,1.00%,F,T)
380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

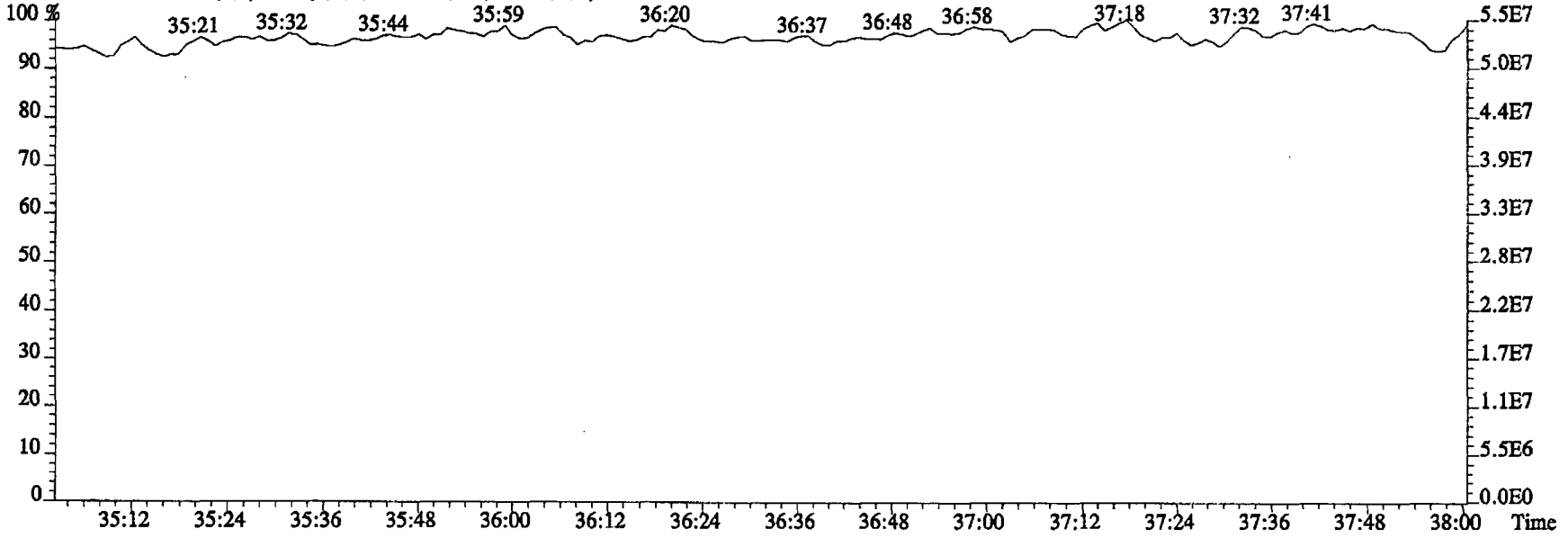
File:14SE101D5 #1-203 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES



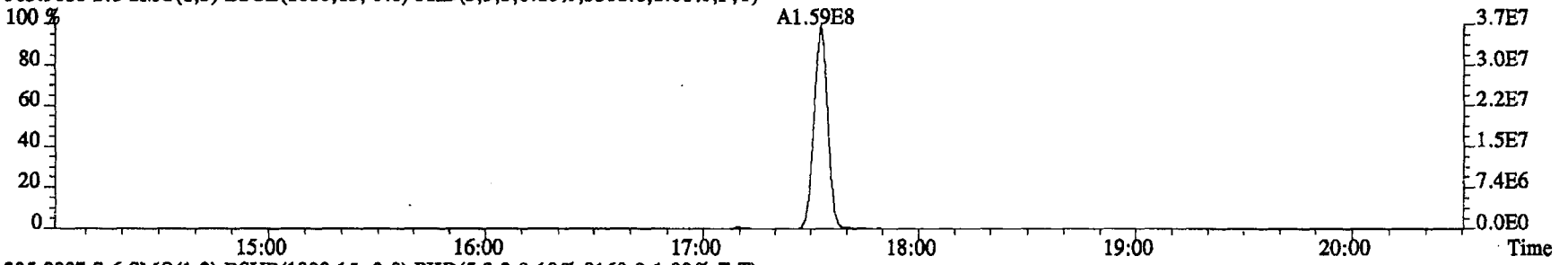
File:14SE101D5 #1-196 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



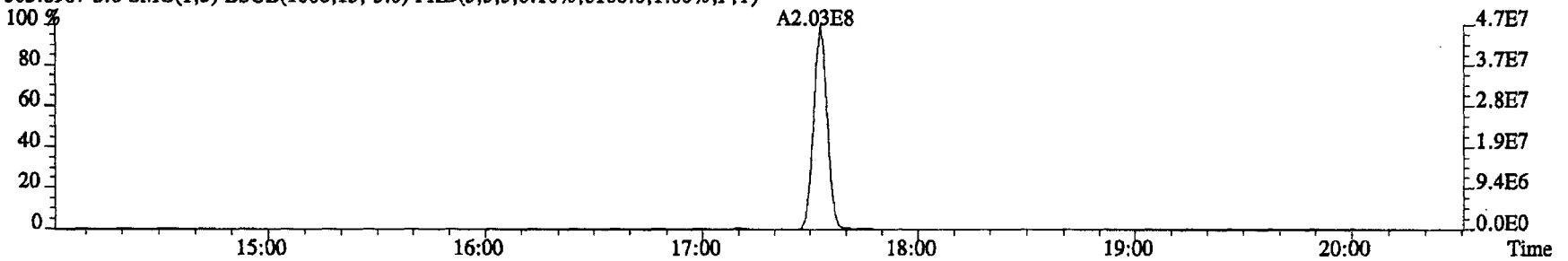
442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



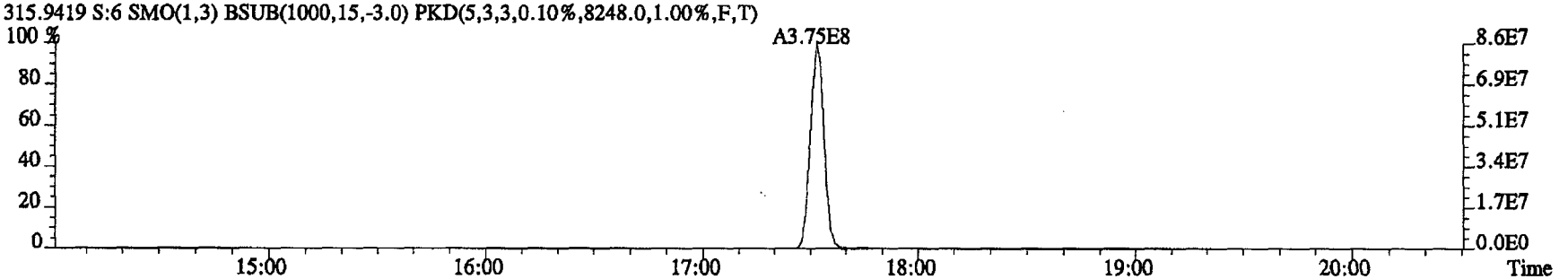
File:14SE101D5 #1-382 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5308.0,1.00%,F,T)



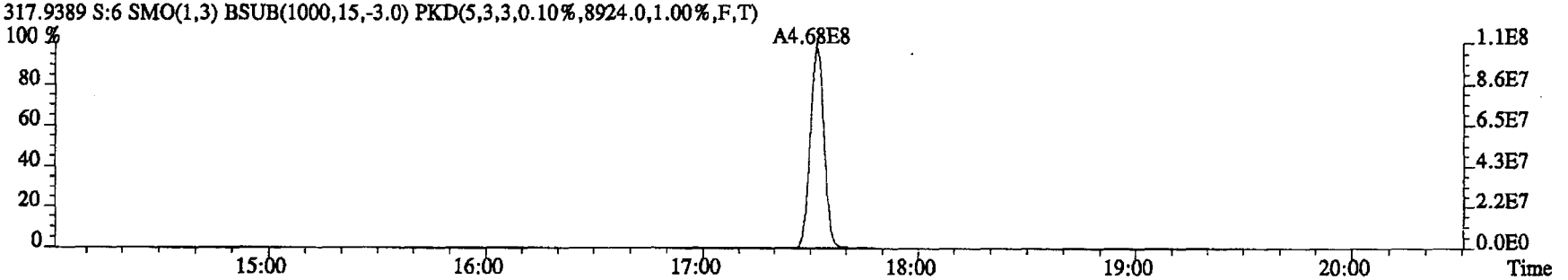
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8160.0,1.00%,F,T)



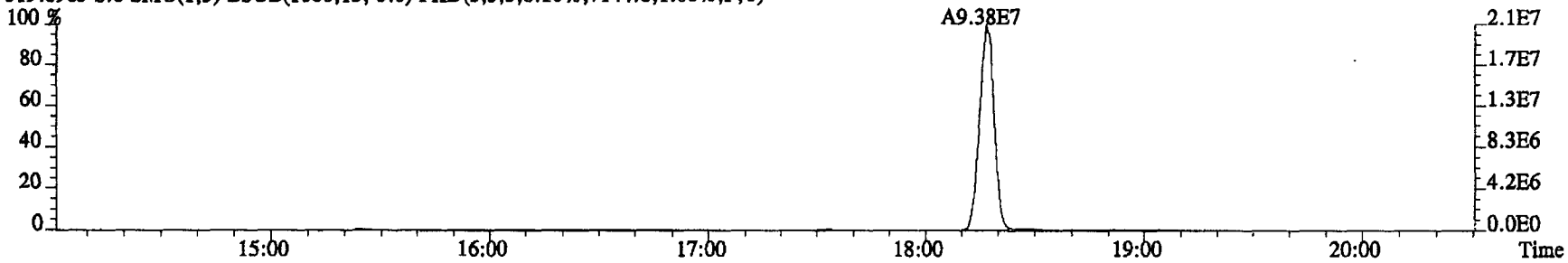
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8248.0,1.00%,F,T)

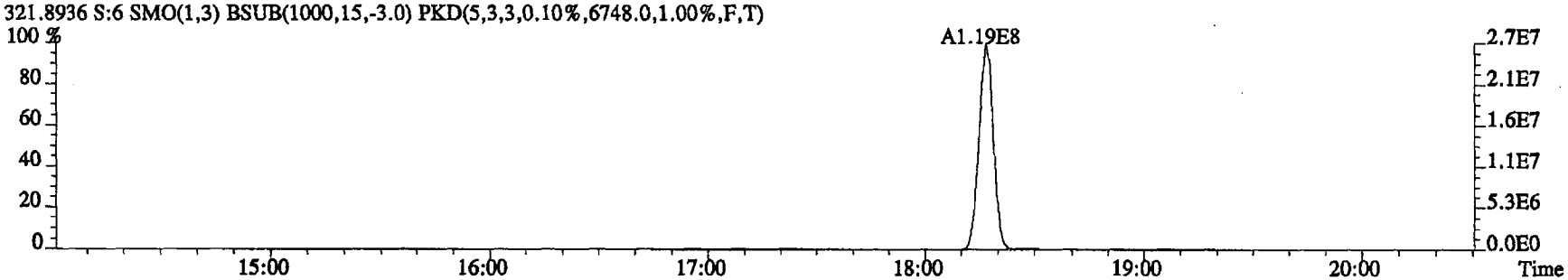


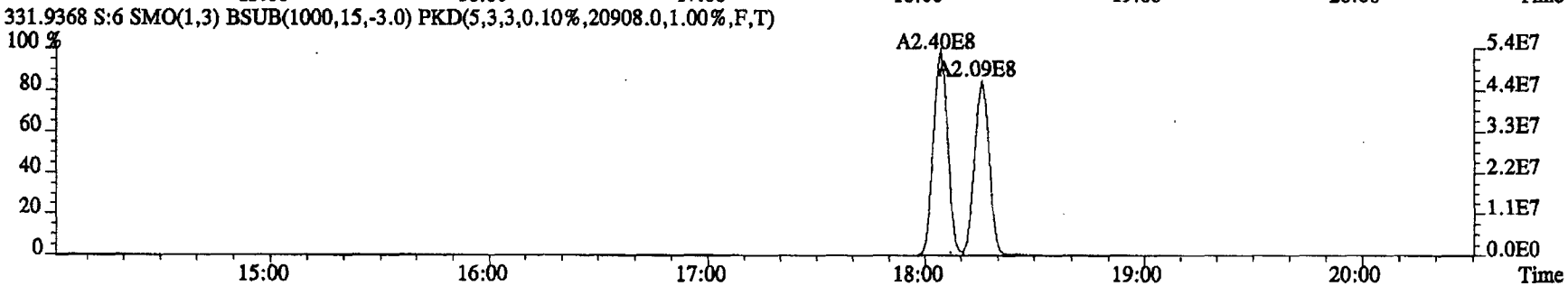
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8924.0,1.00%,F,T)

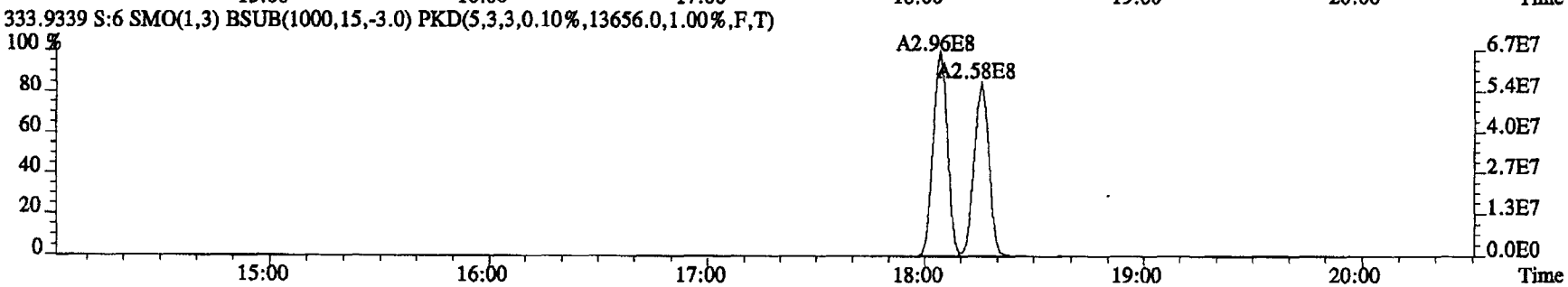


File:14SE101D5 #1-382 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES

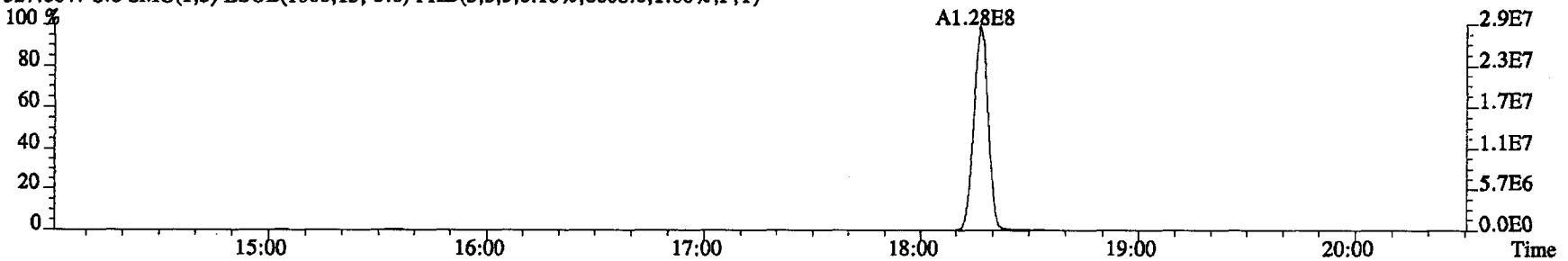




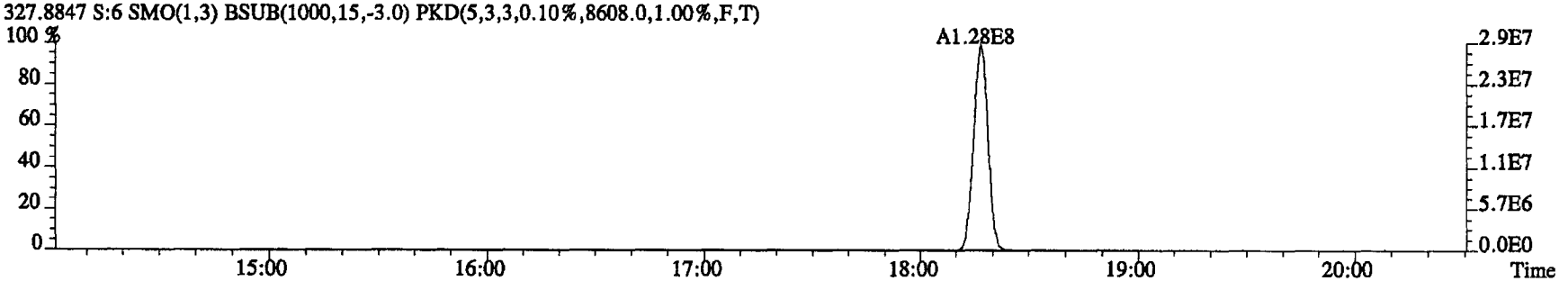




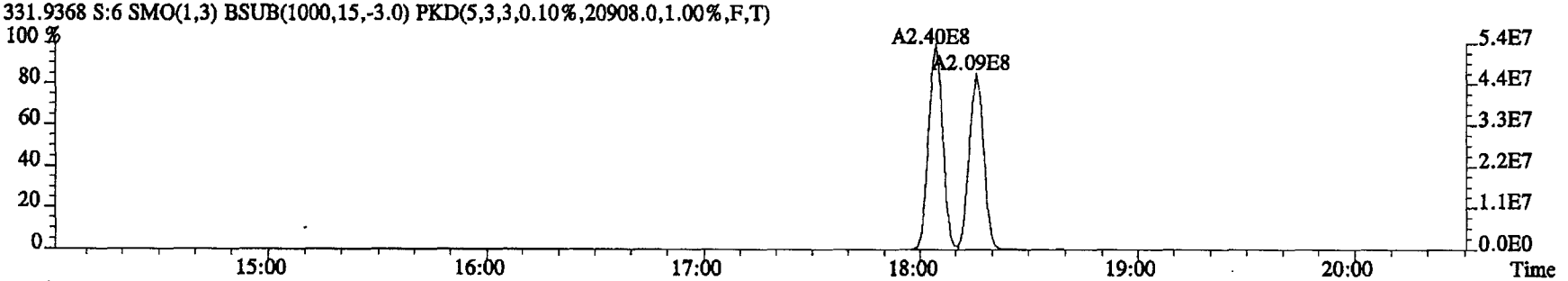
File:14SE101D5 #1-382 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8608.0,1.00%,F,T)



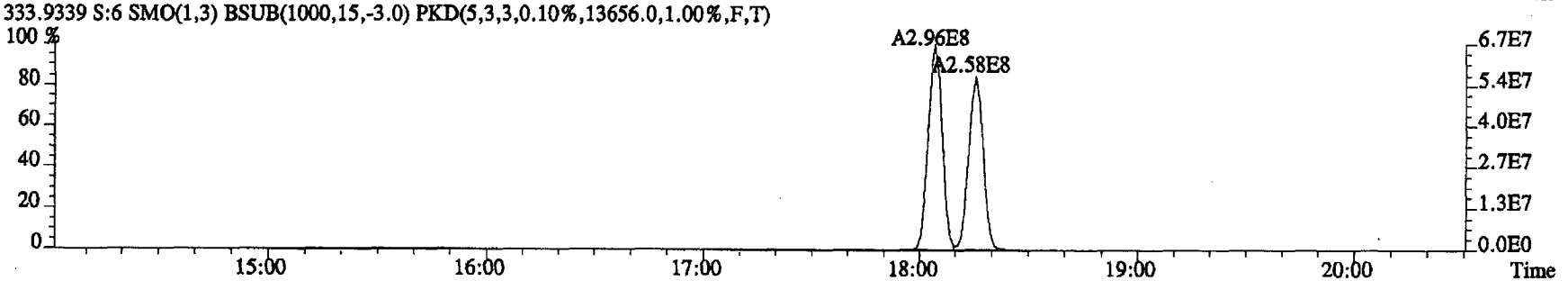
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8608.0,1.00%,F,T)



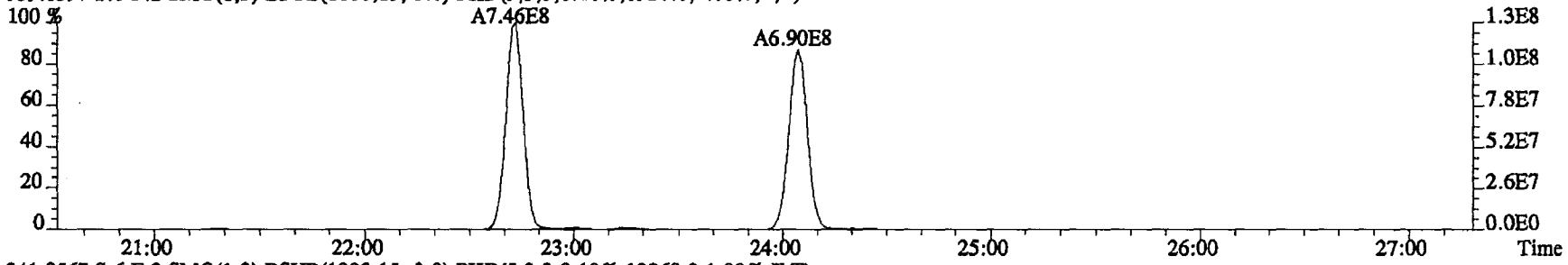
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20908.0,1.00%,F,T)



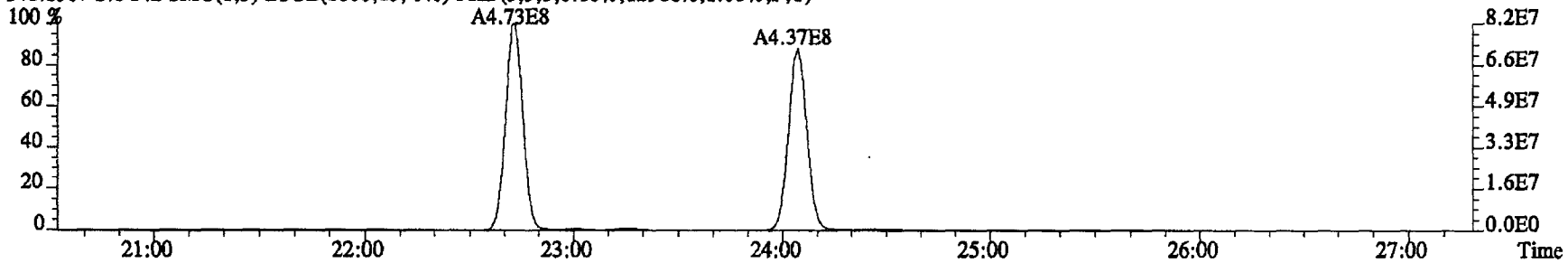
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13656.0,1.00%,F,T)



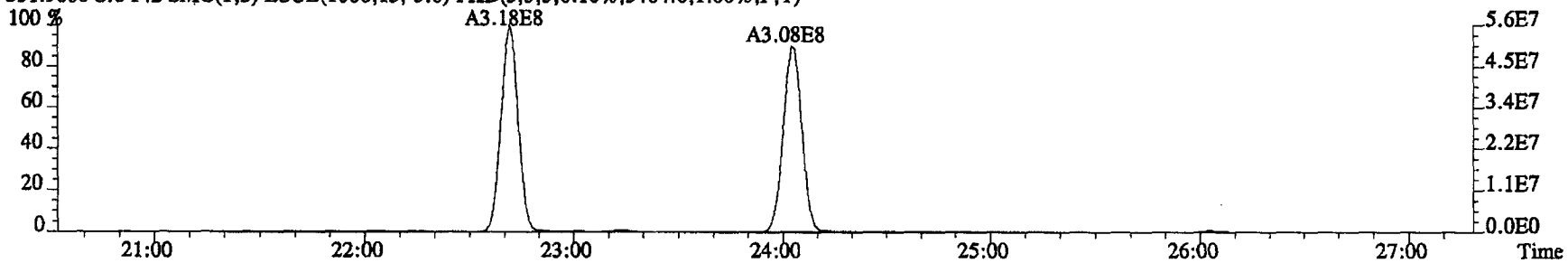
File:14SE101D5 #1-422 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8920.0,1.00%,F,T)



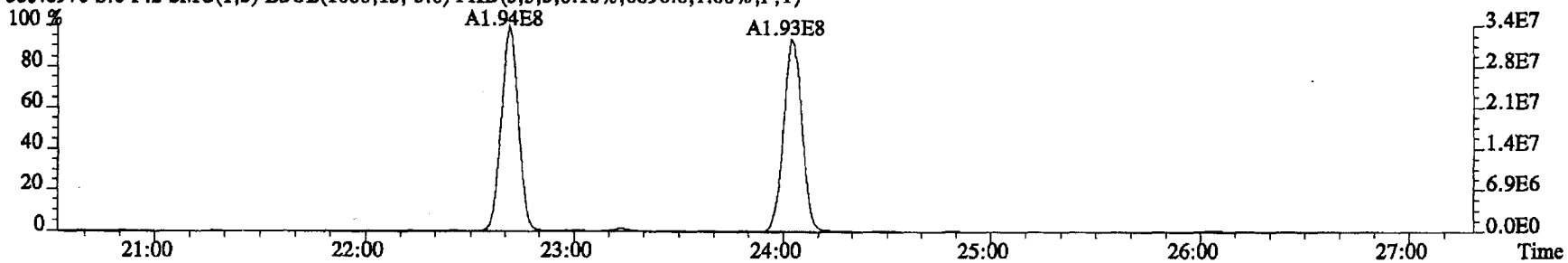
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12968.0,1.00%,F,T)



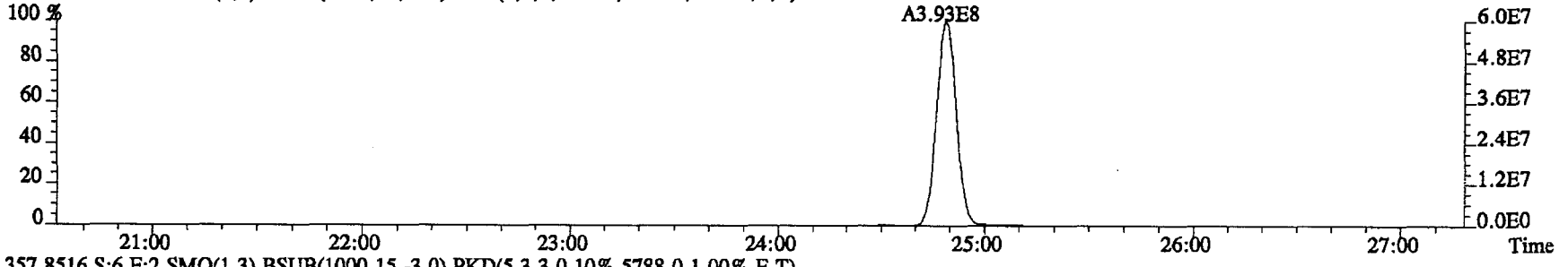
351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3404.0,1.00%,F,T)



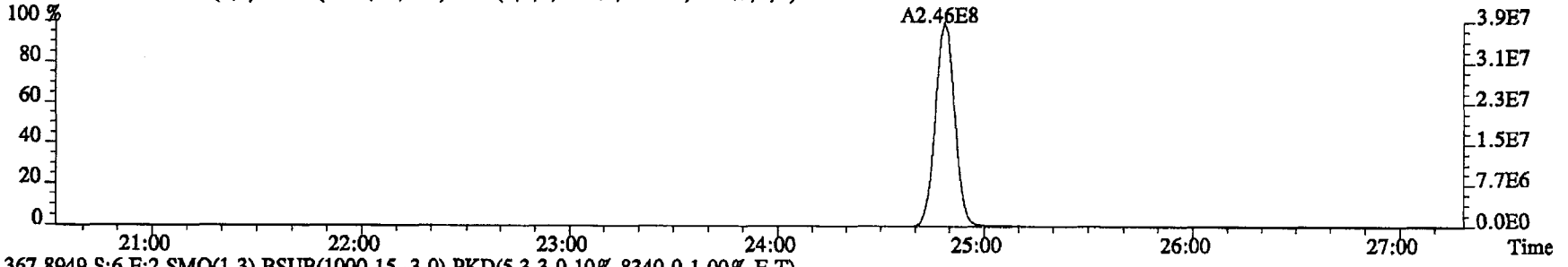
353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6696.0,1.00%,F,T)



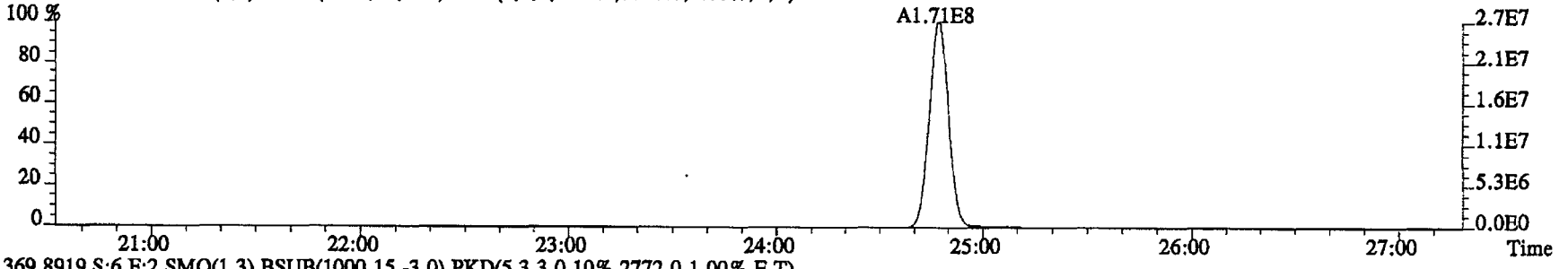
File:14SE101D5 #1-422 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7464.0,1.00%,F,T)



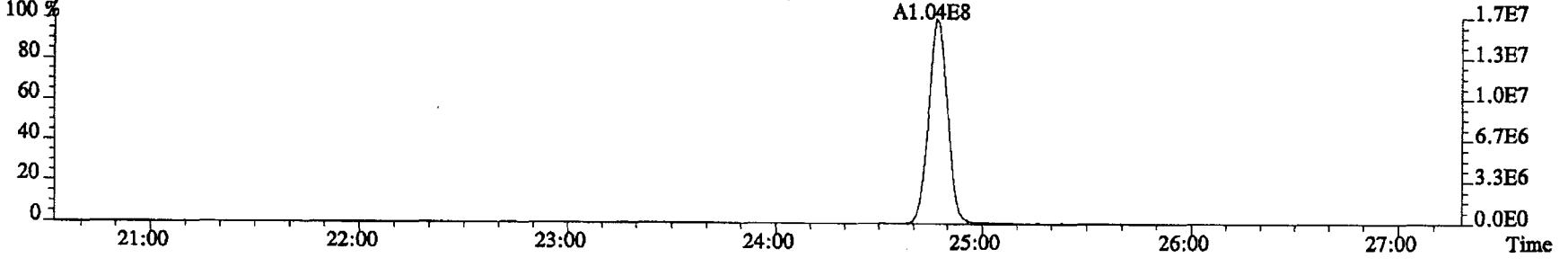
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5788.0,1.00%,F,T)



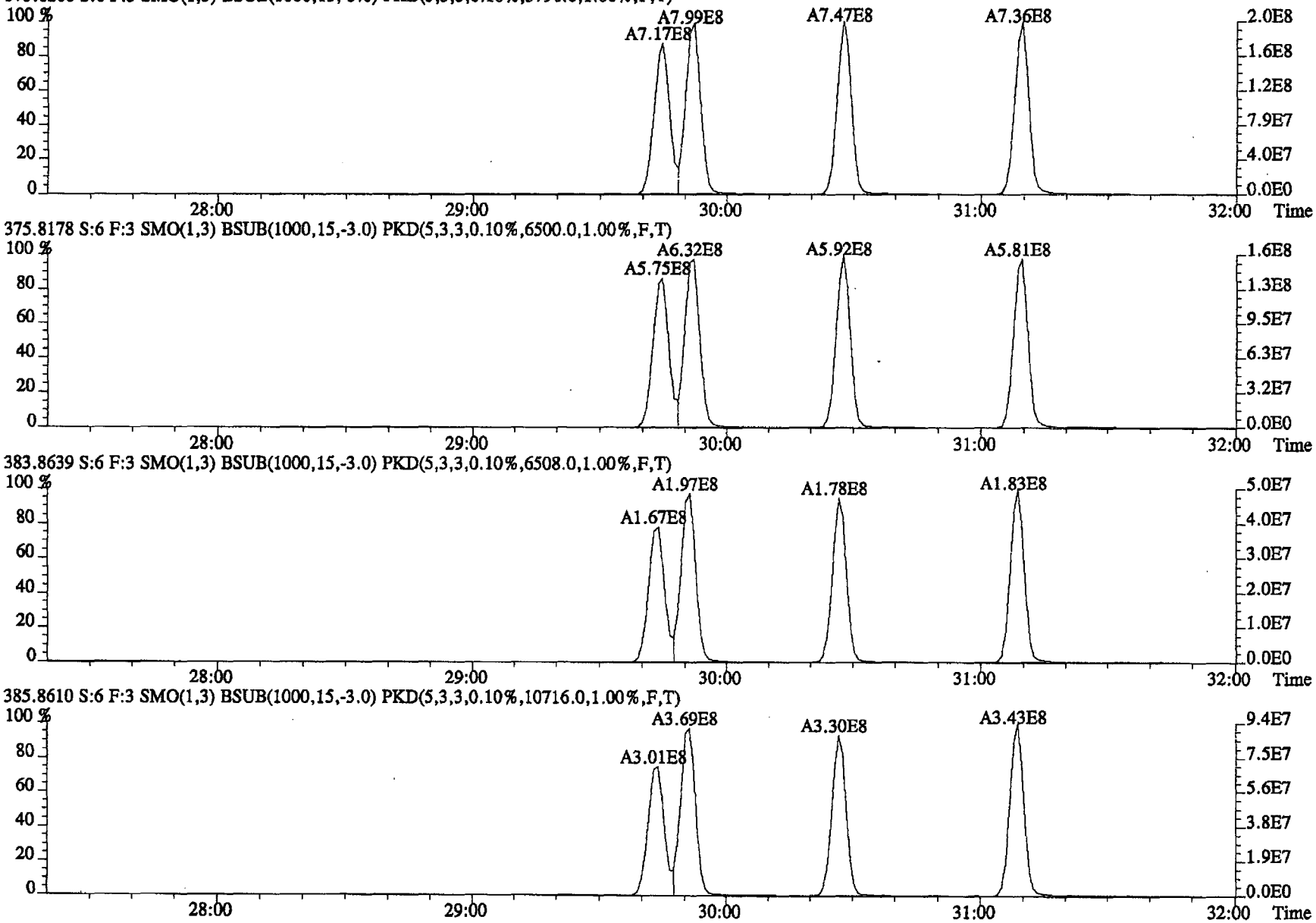
367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8340.0,1.00%,F,T)



369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2772.0,1.00%,F,T)

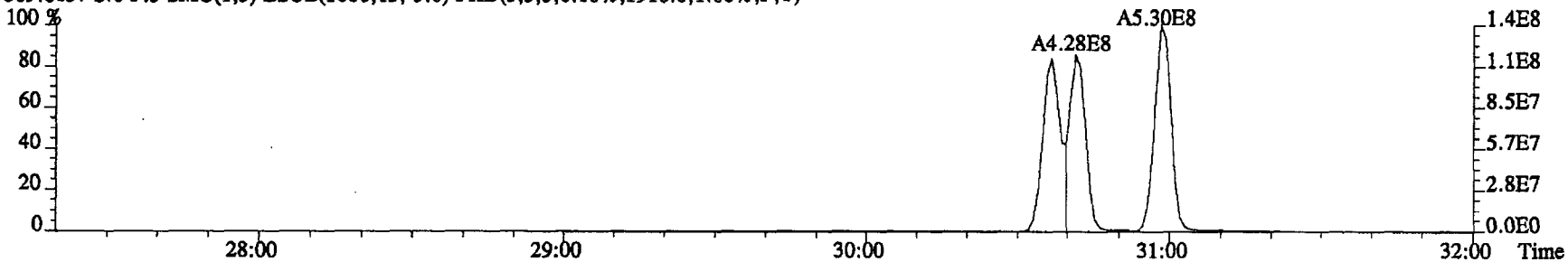


File:14SE101D5 #1-301 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES

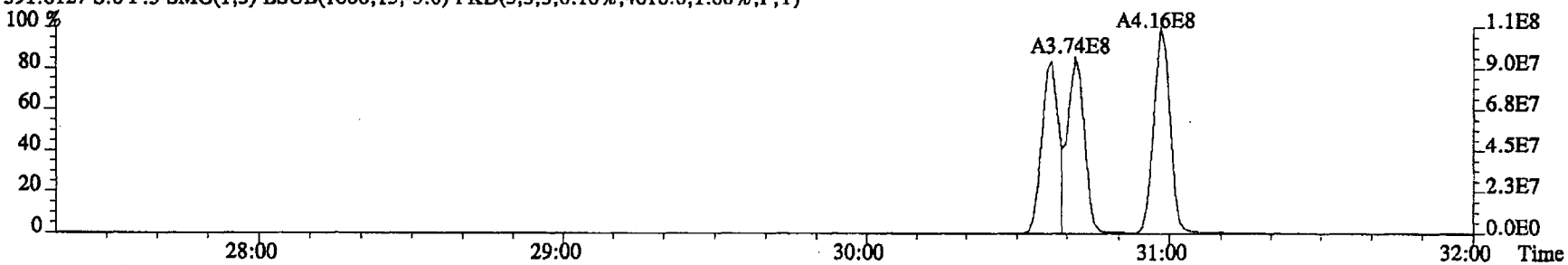


File:14SE101D5 #1-301 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES

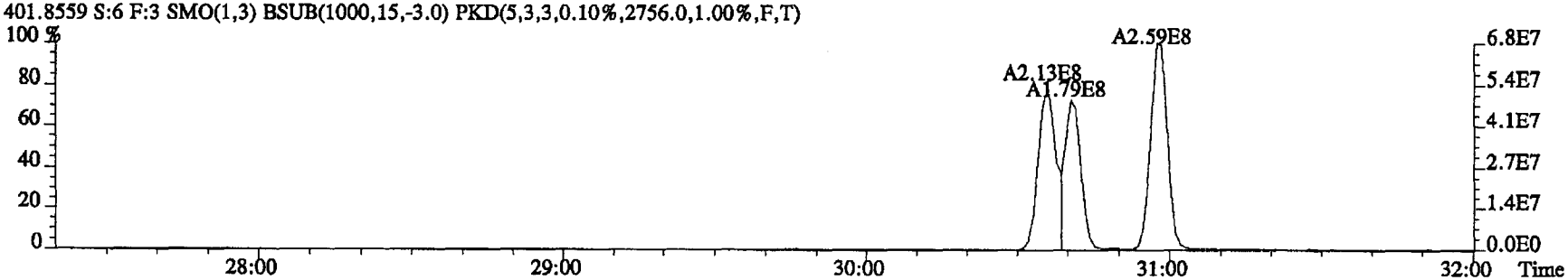
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1916.0,1.00%,F,T)



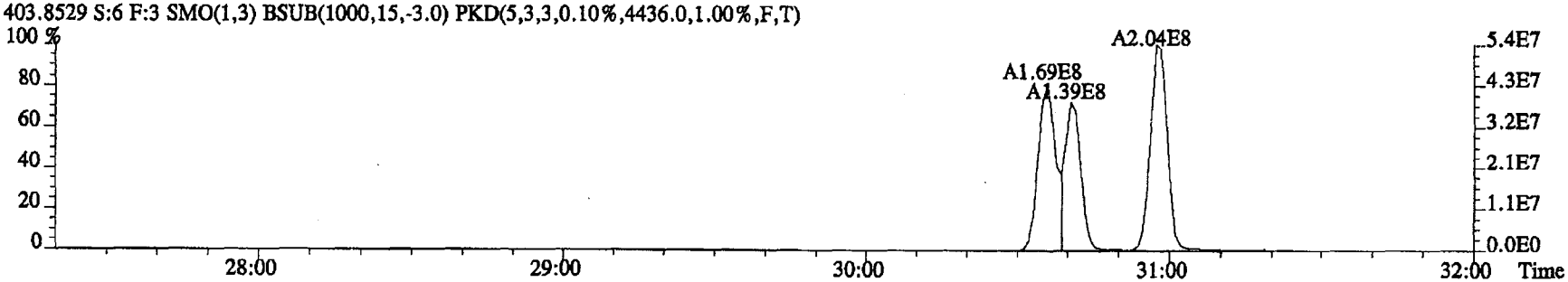
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4616.0,1.00%,F,T)



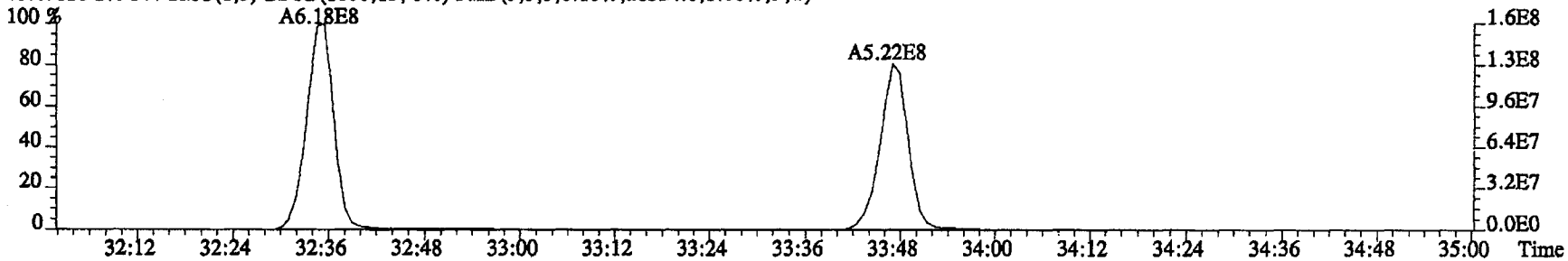
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2756.0,1.00%,F,T)



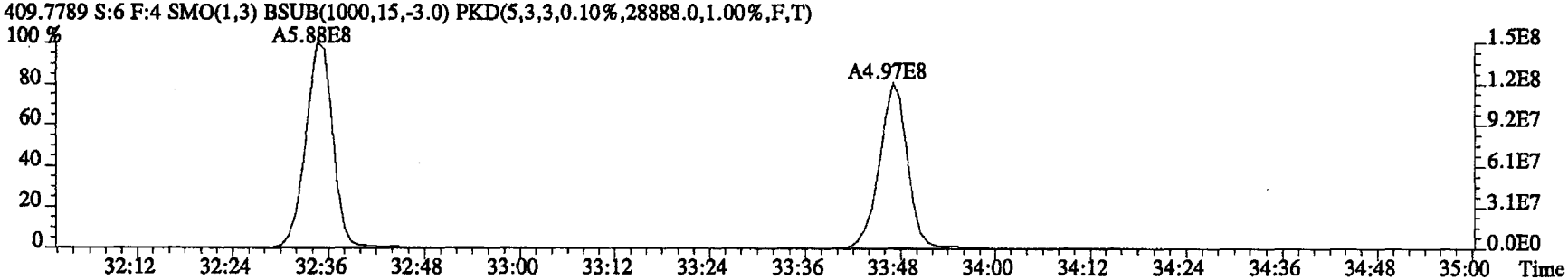
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



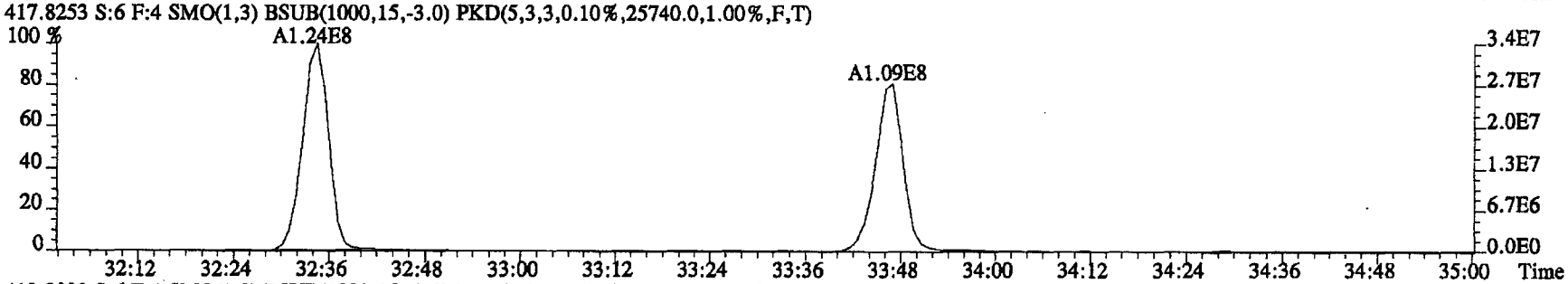
File:14SE101D5 #1-203 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28324.0,1.00%,F,T)



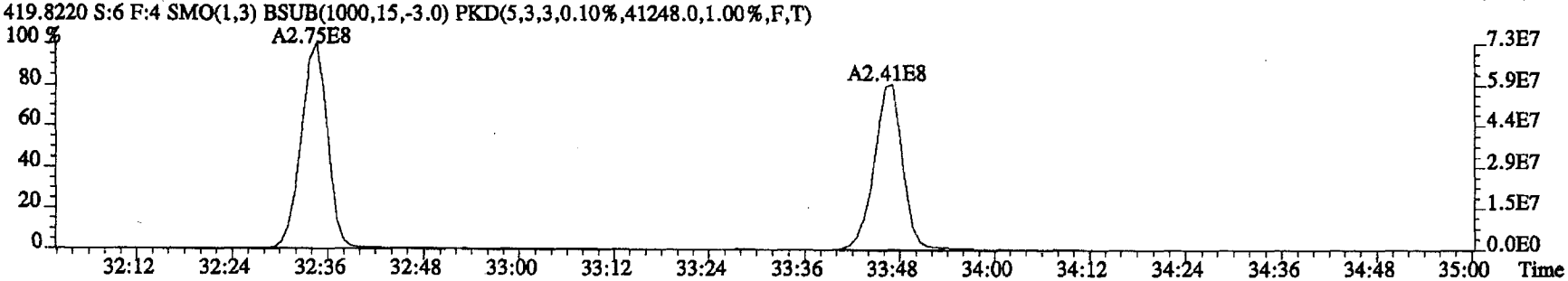
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28888.0,1.00%,F,T)



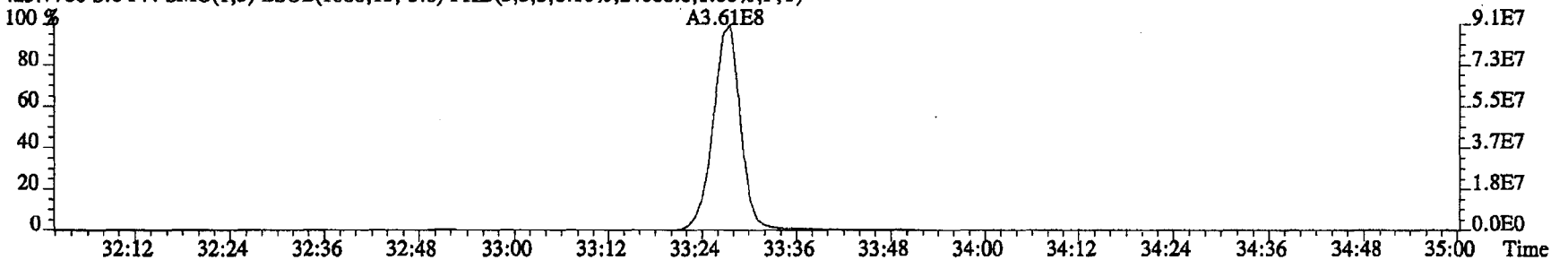
417.8253 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25740.0,1.00%,F,T)



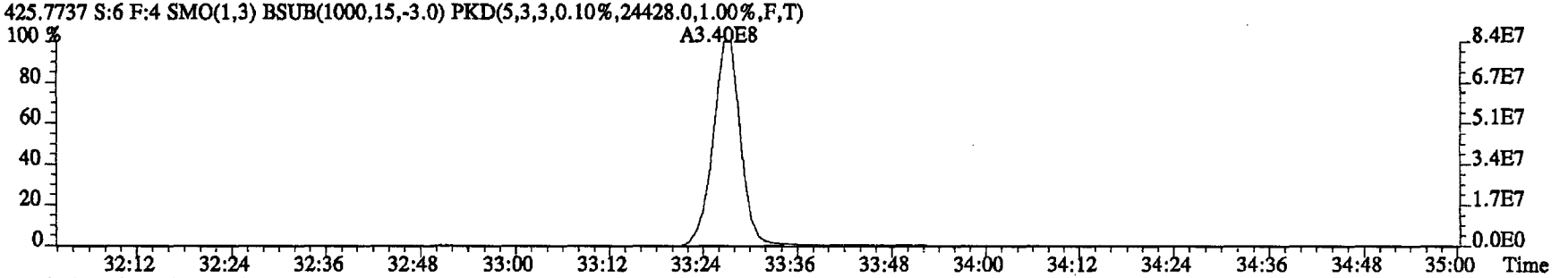
419.8220 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41248.0,1.00%,F,T)



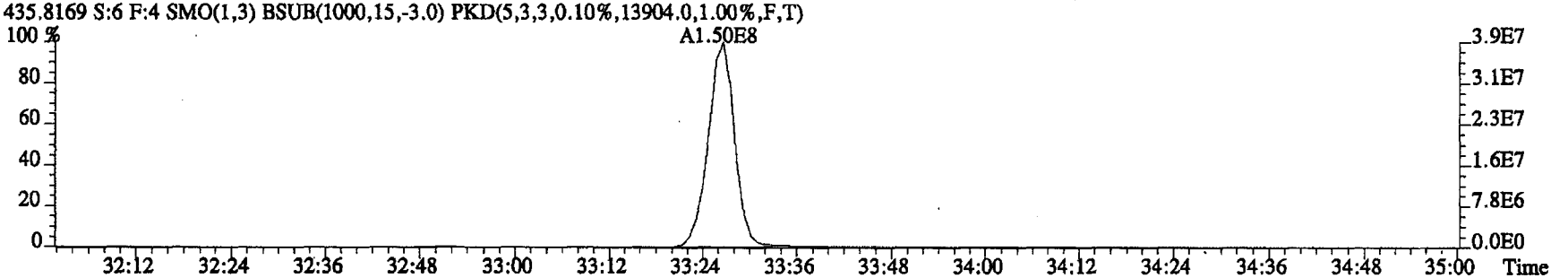
File:14SE101D5 #1-203 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24088.0,1.00%,F,T)



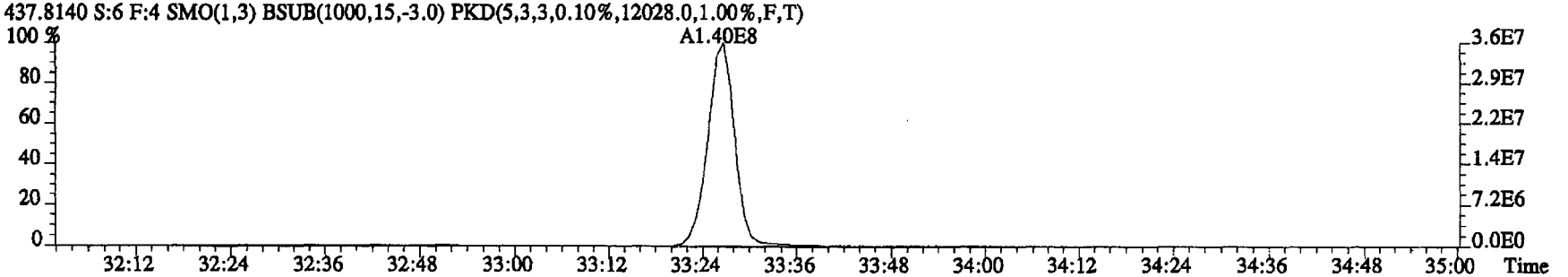
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24428.0,1.00%,F,T)



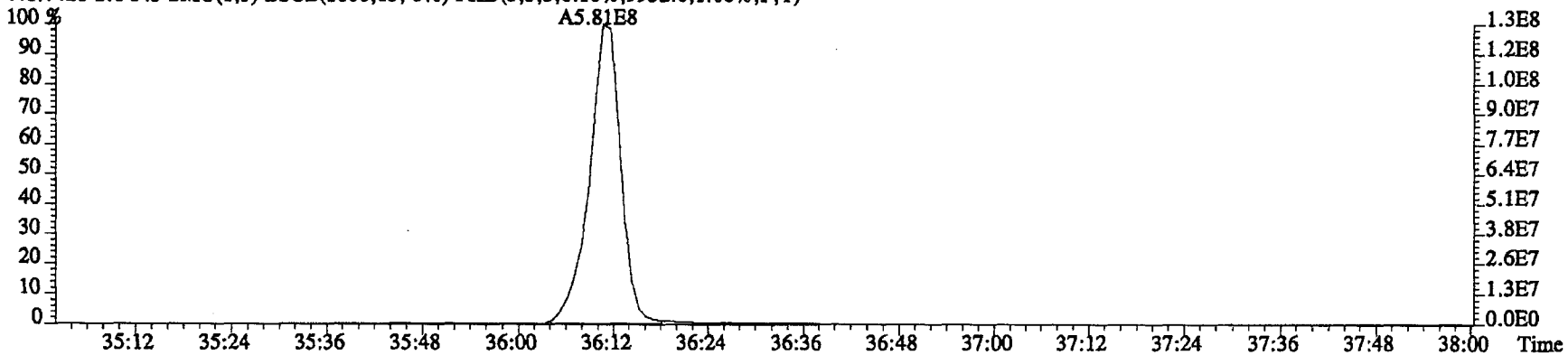
435.8169 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13904.0,1.00%,F,T)



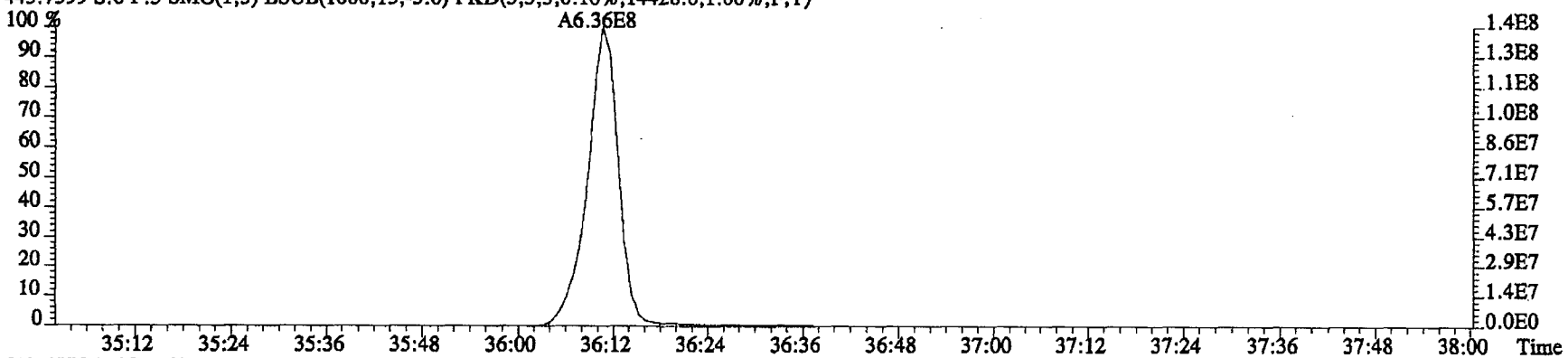
437.8140 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12028.0,1.00%,F,T)



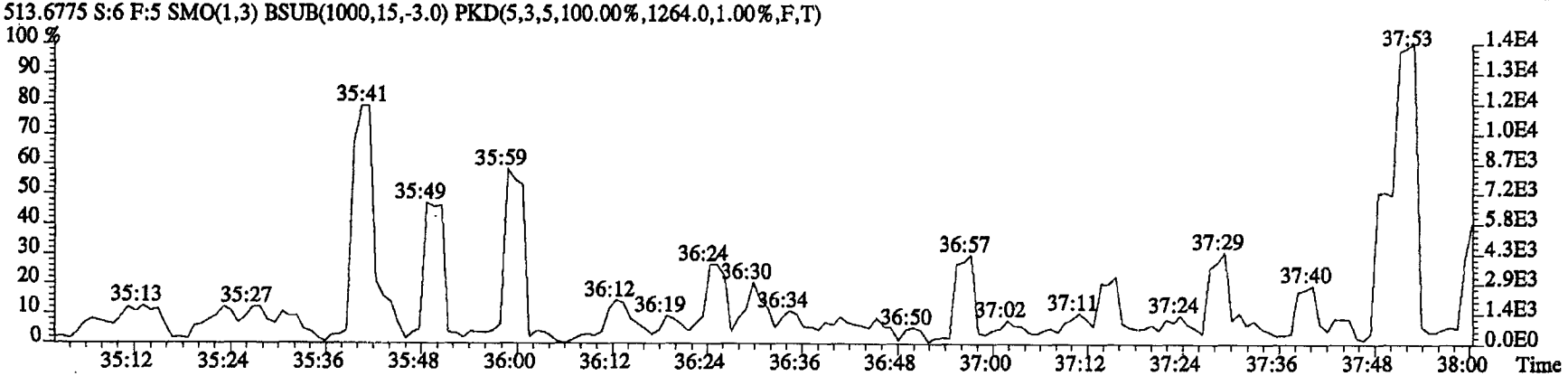
File:14SE101D5 #1-196 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9952.0,1.00%,F,T)



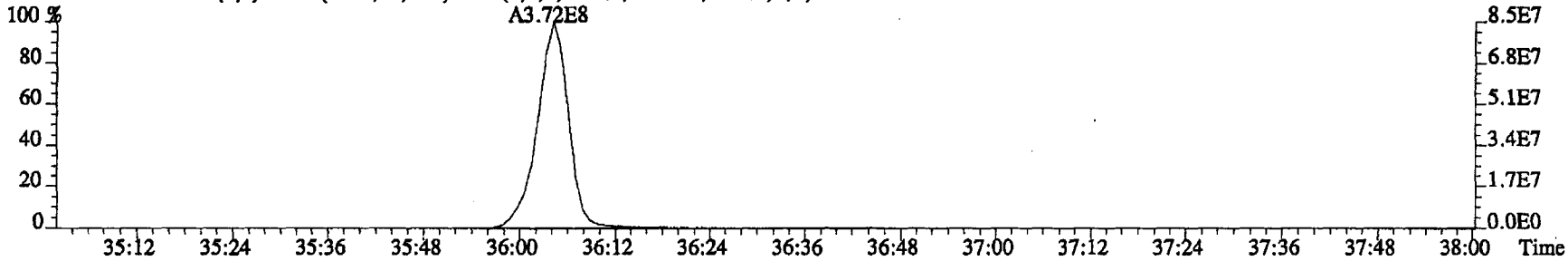
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14428.0,1.00%,F,T)



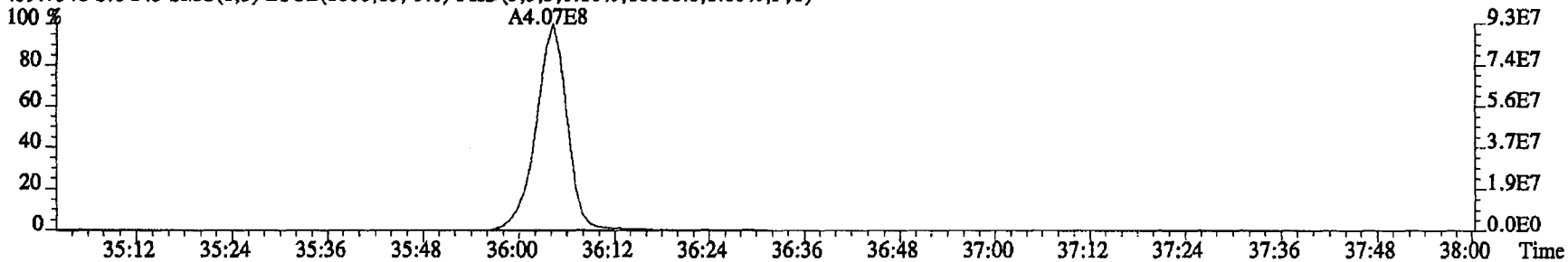
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1264.0,1.00%,F,T)



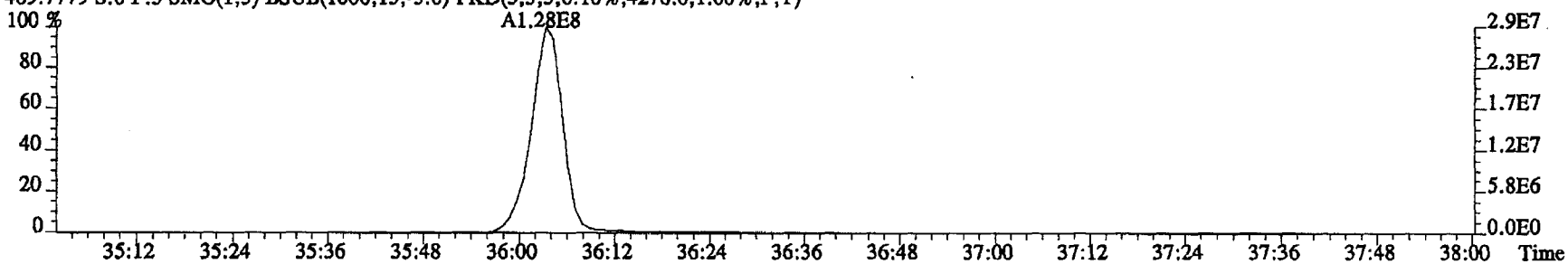
File:14SE101D5 #1-196 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12488.0,1.00%,F,T)



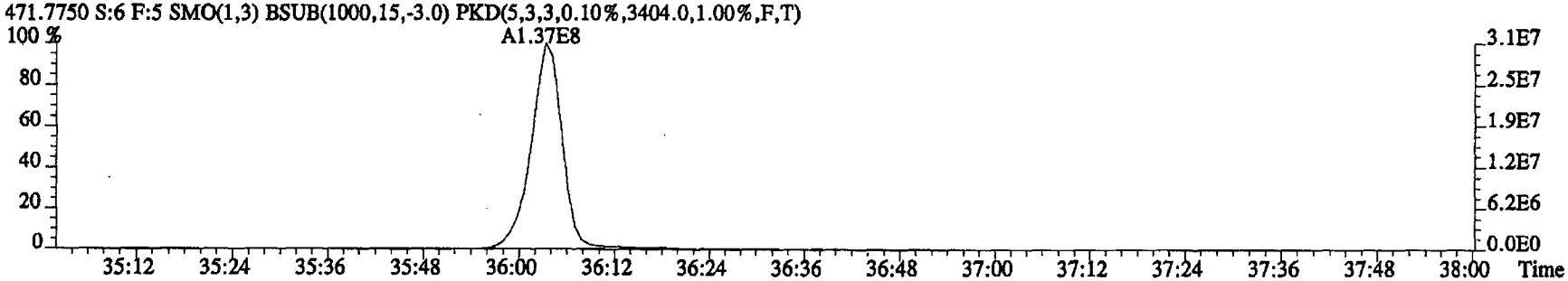
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10088.0,1.00%,F,T)



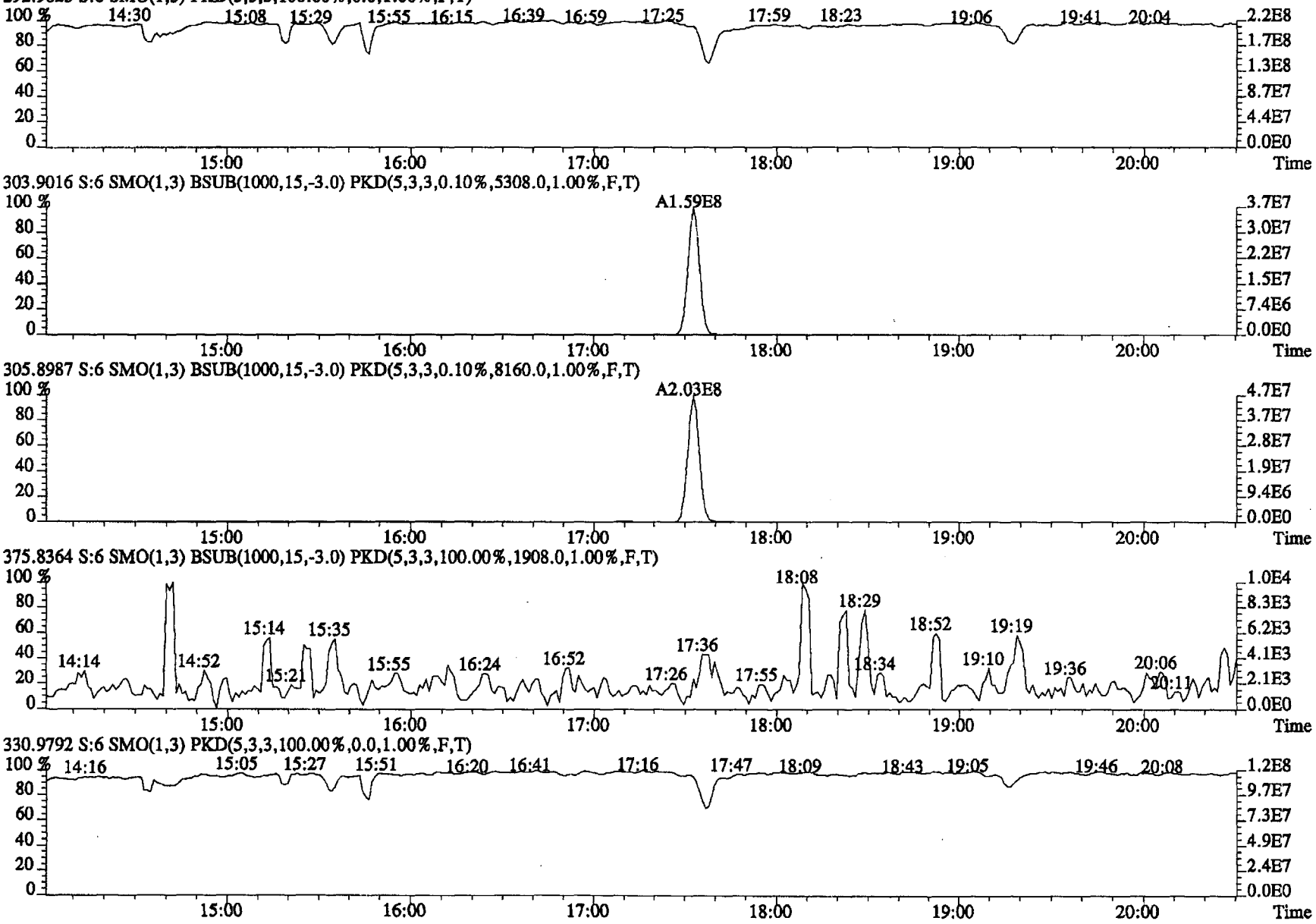
469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4276.0,1.00%,F,T)

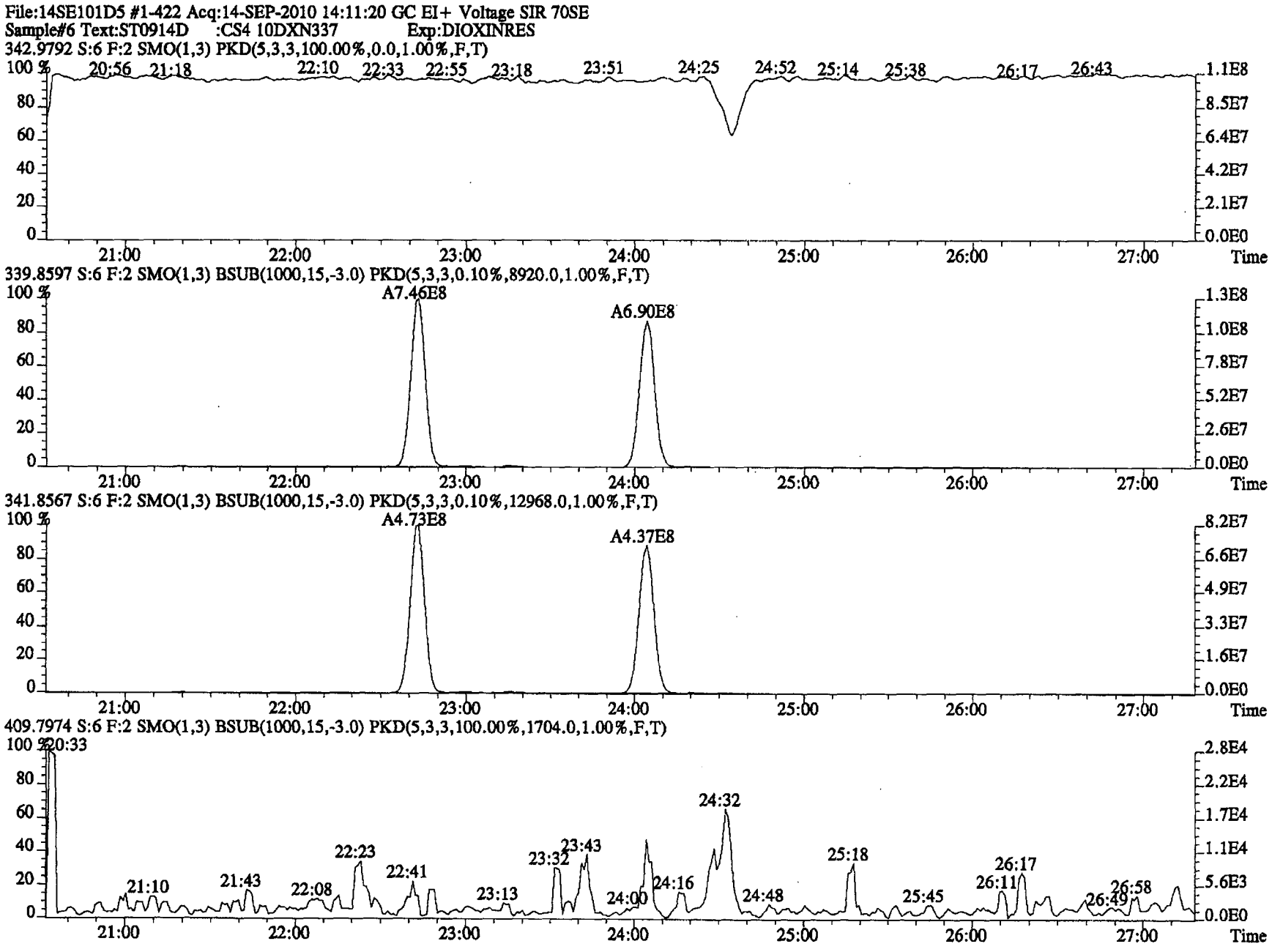


471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3404.0,1.00%,F,T)

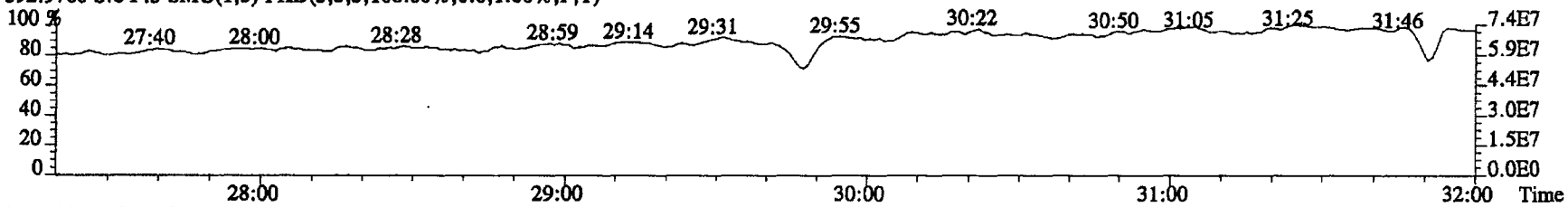


File:14SE101D5 #1-382 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES

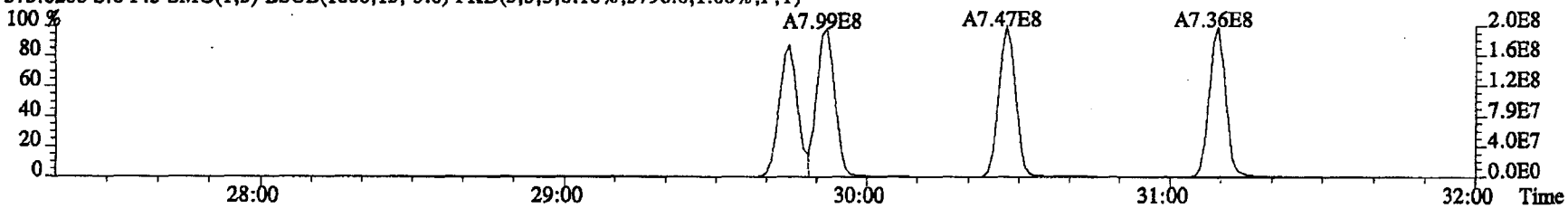




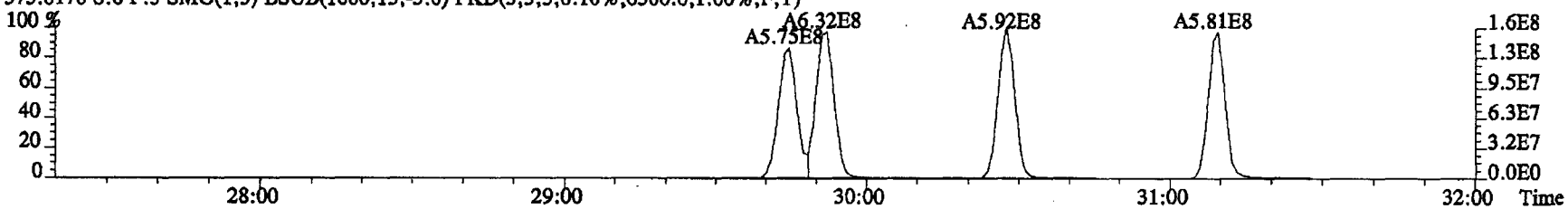
File:14SE101D5 #1-301 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



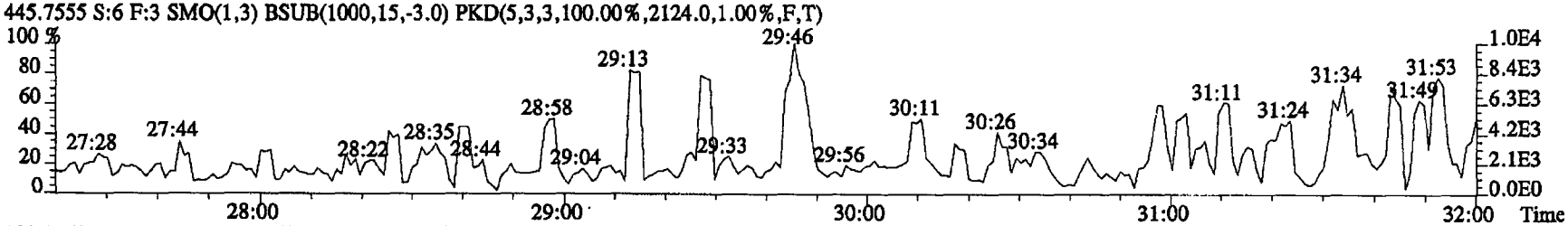
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5796.0,1.00%,F,T)



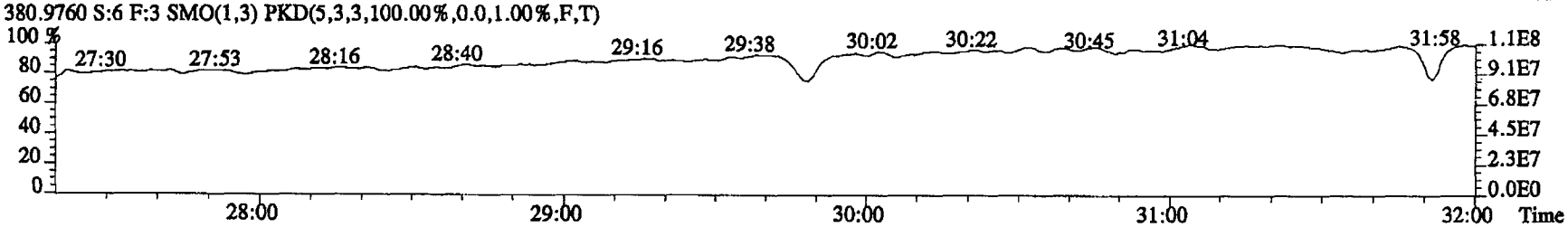
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6500.0,1.00%,F,T)

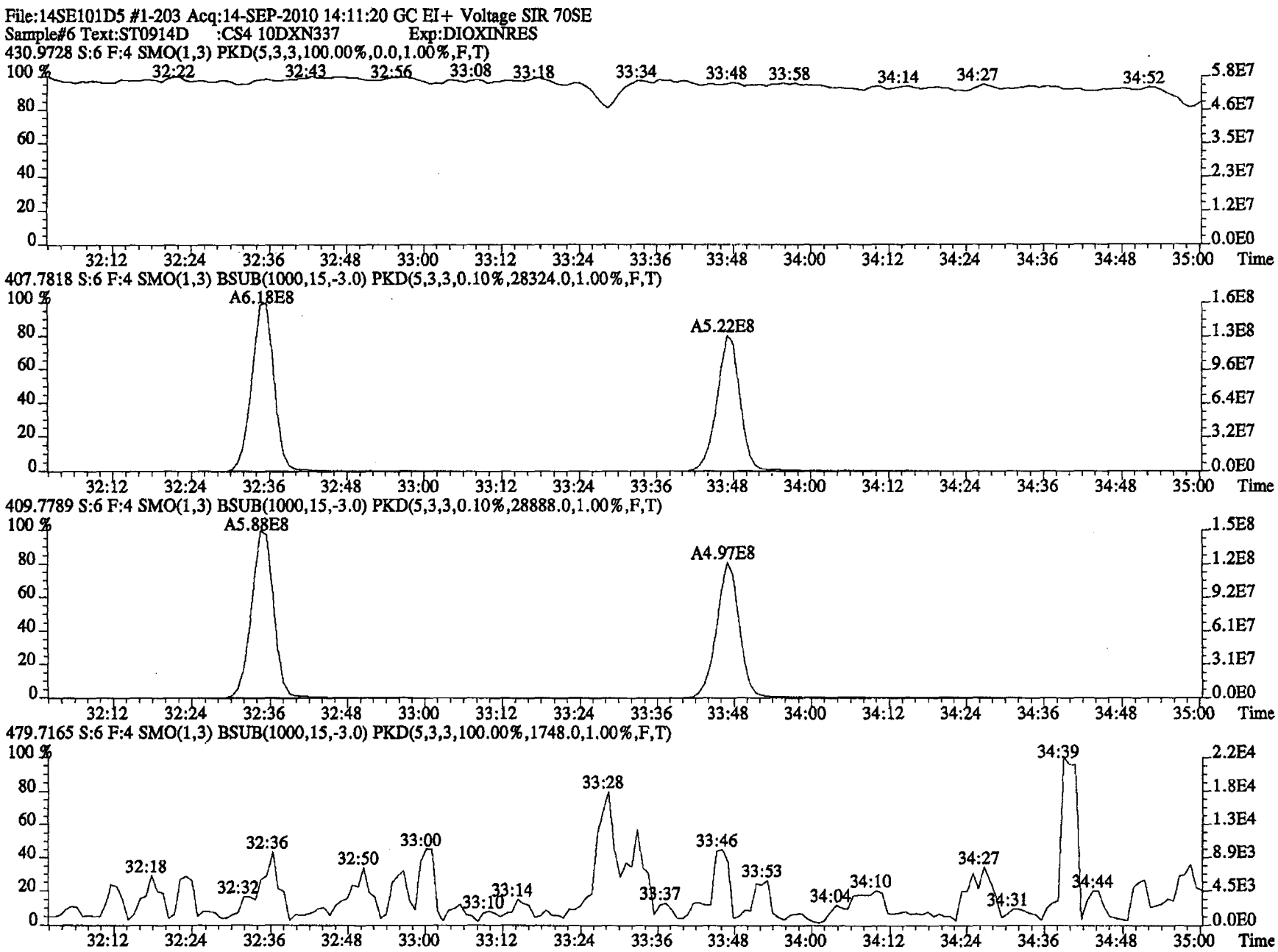


445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2124.0,1.00%,F,T)

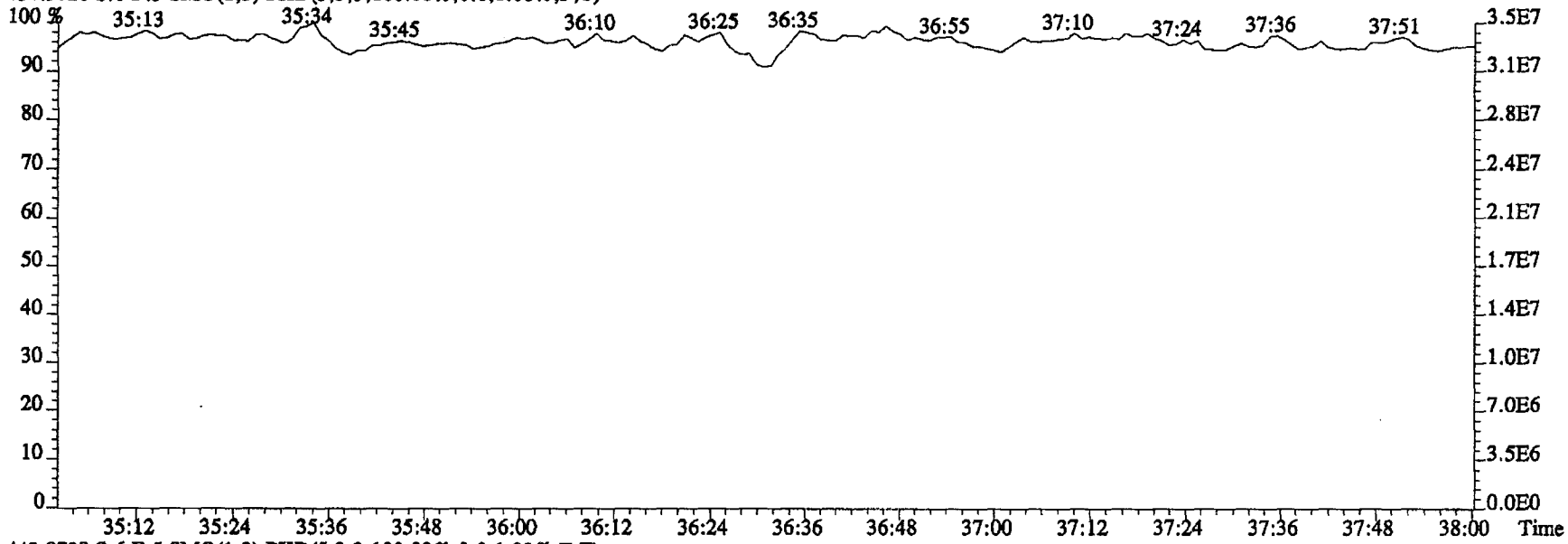


380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

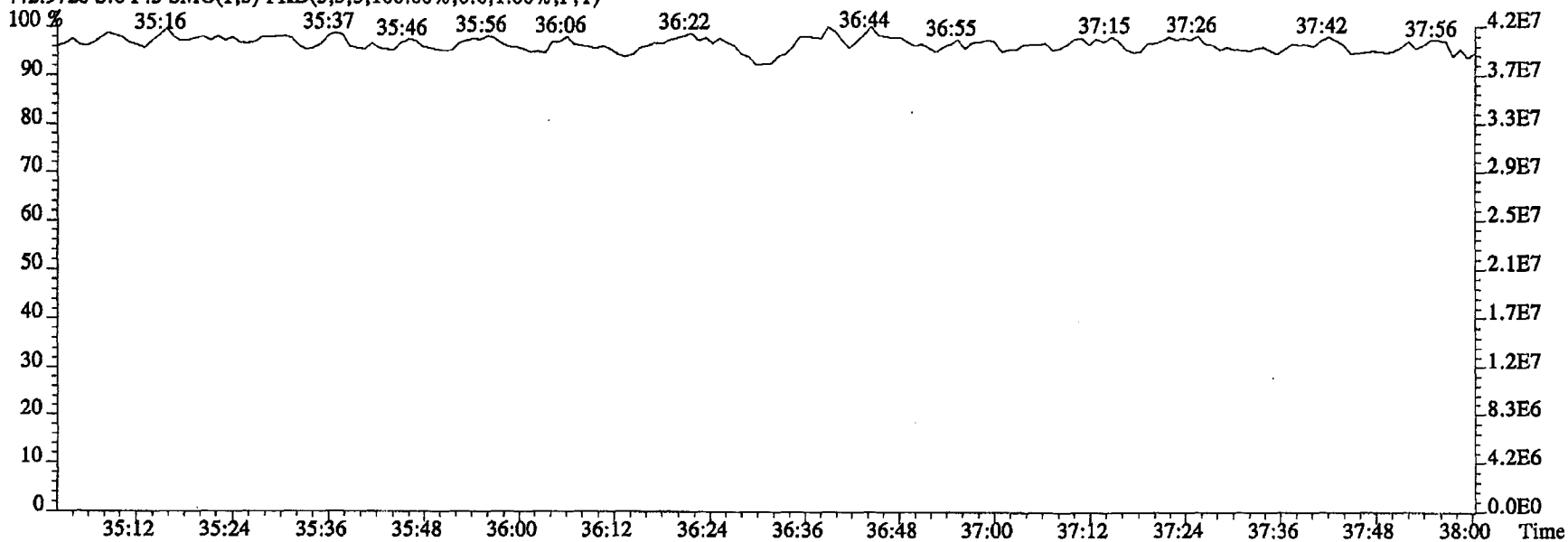




File:14SE101D5 #1-196 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

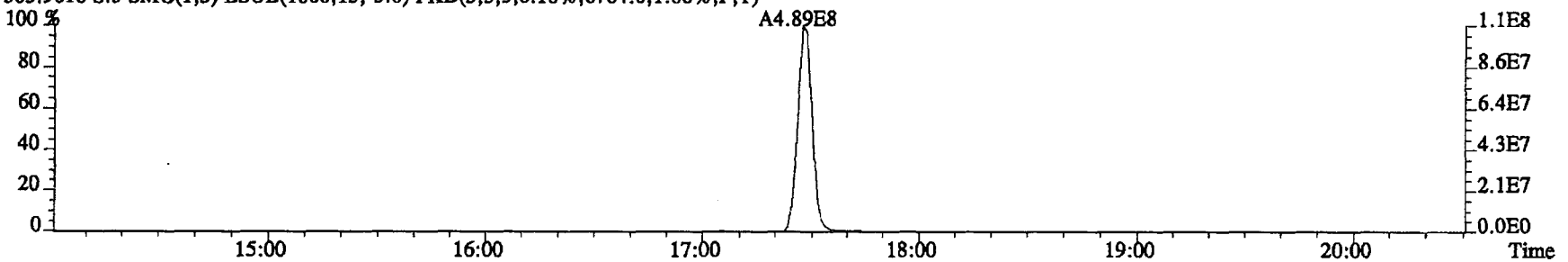


442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

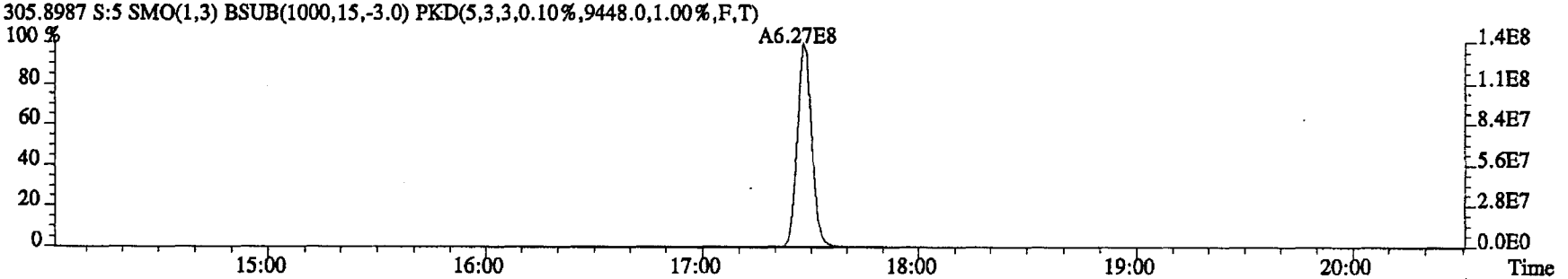


File:14SE101D5 #1-382 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES

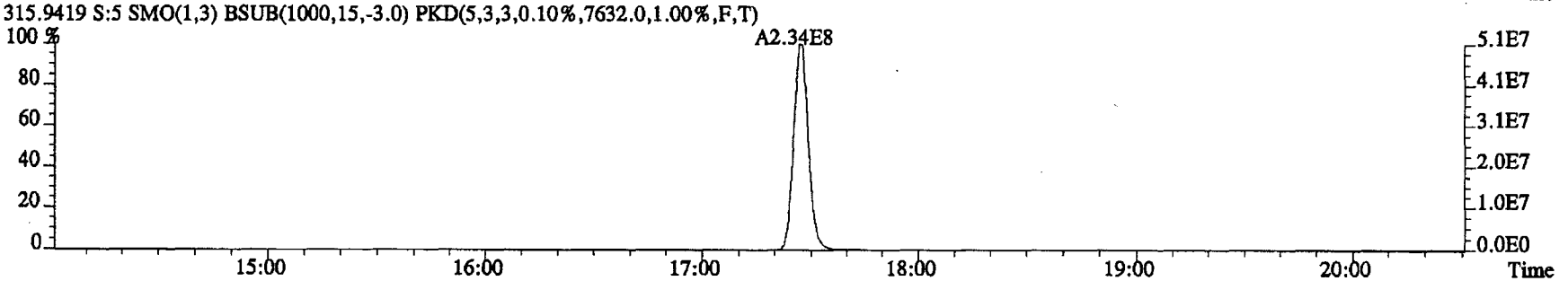
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6764.0,1.00%,F,T)



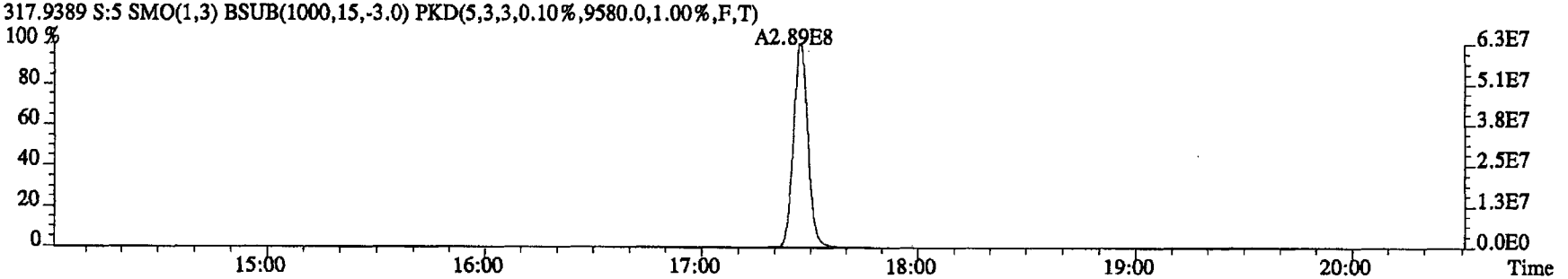
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9448.0,1.00%,F,T)



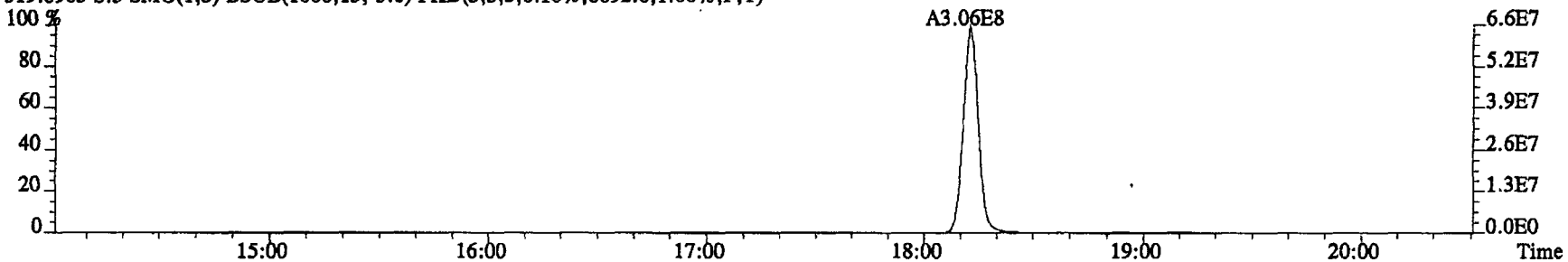
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7632.0,1.00%,F,T)



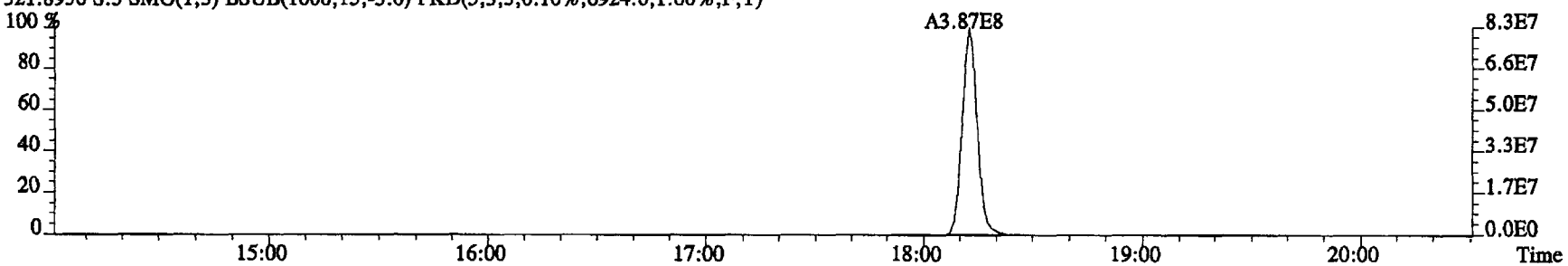
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9580.0,1.00%,F,T)



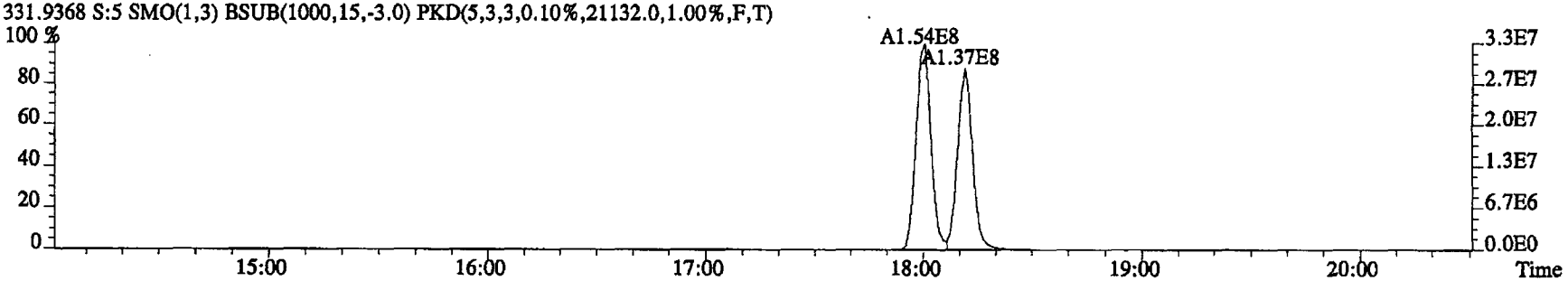
File:14SE101D5 #1-382 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6692.0,1.00%,F,T)



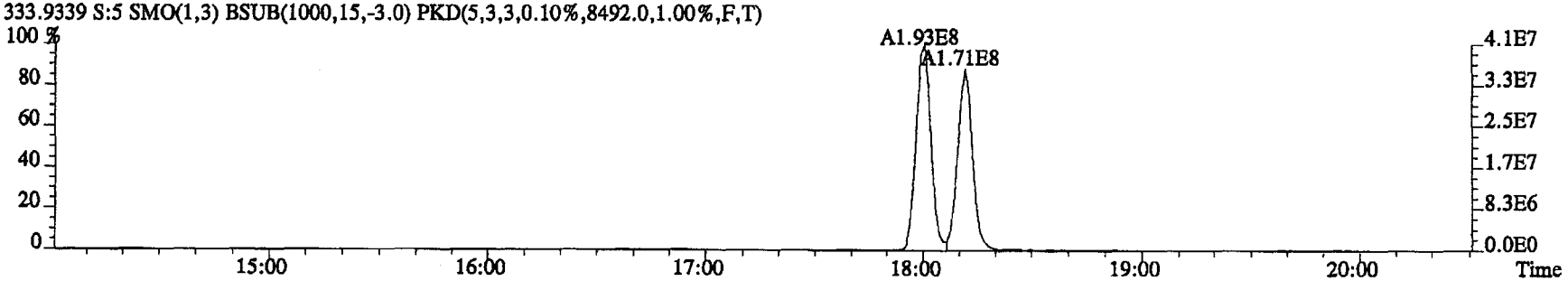
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6924.0,1.00%,F,T)



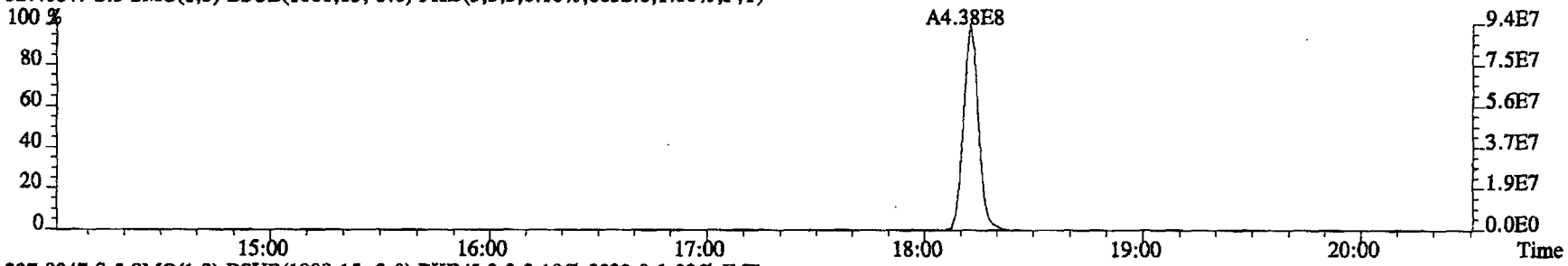
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21132.0,1.00%,F,T)



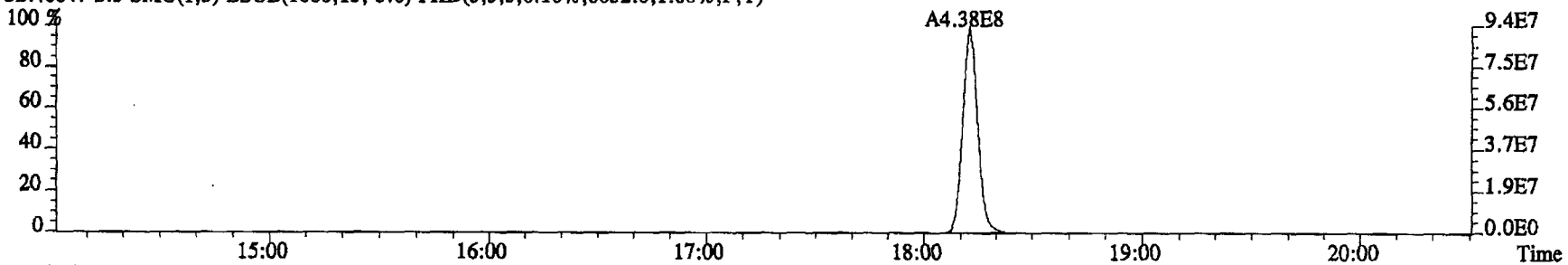
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8492.0,1.00%,F,T)



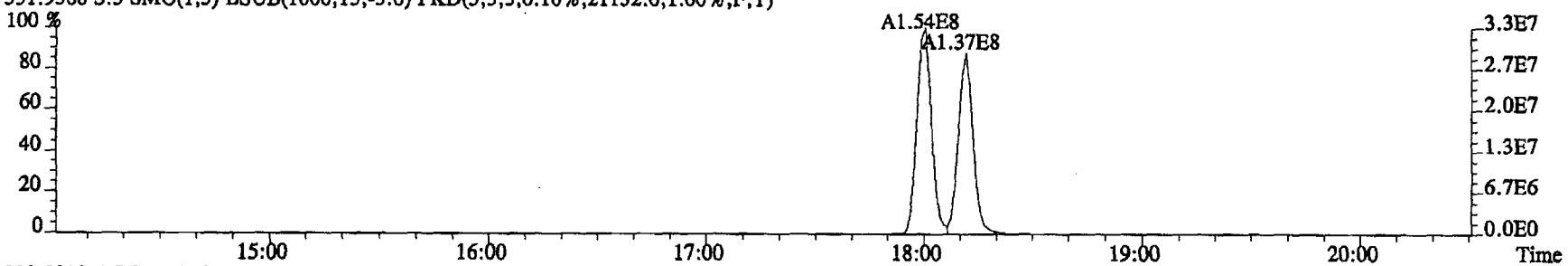
File:14SE101D5 #1-382 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8032.0,1.00%,F,T)



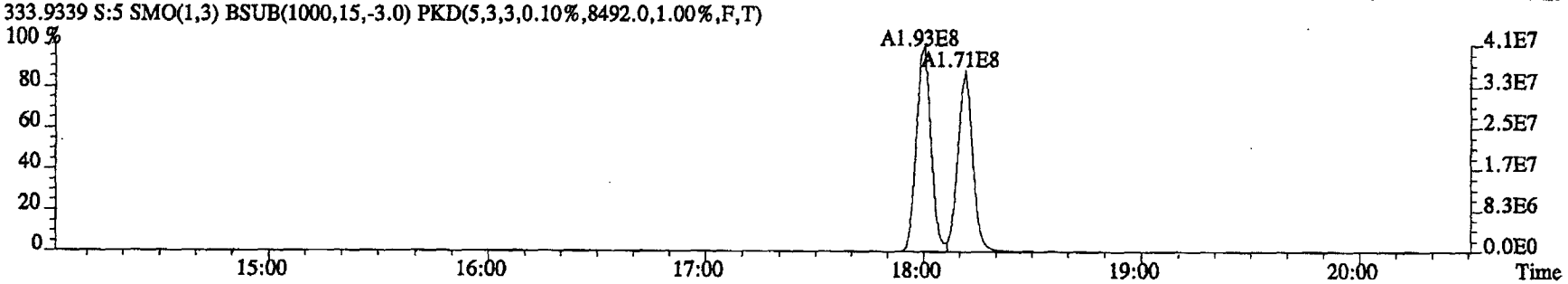
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8032.0,1.00%,F,T)



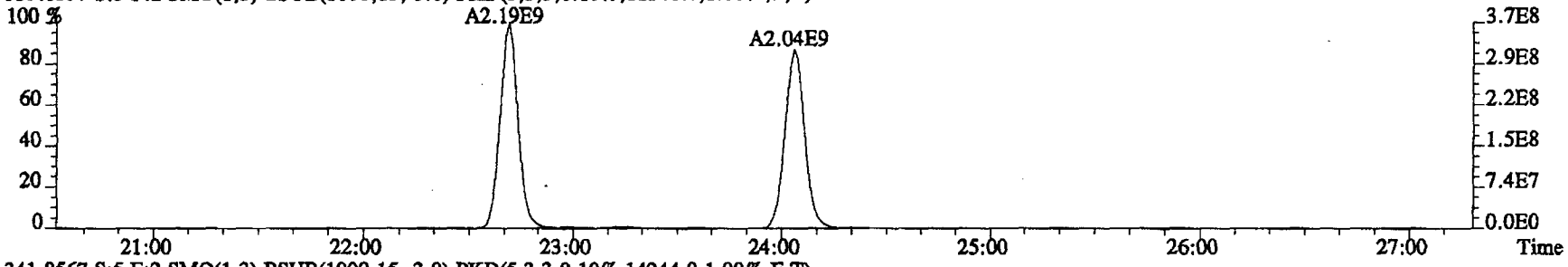
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21132.0,1.00%,F,T)



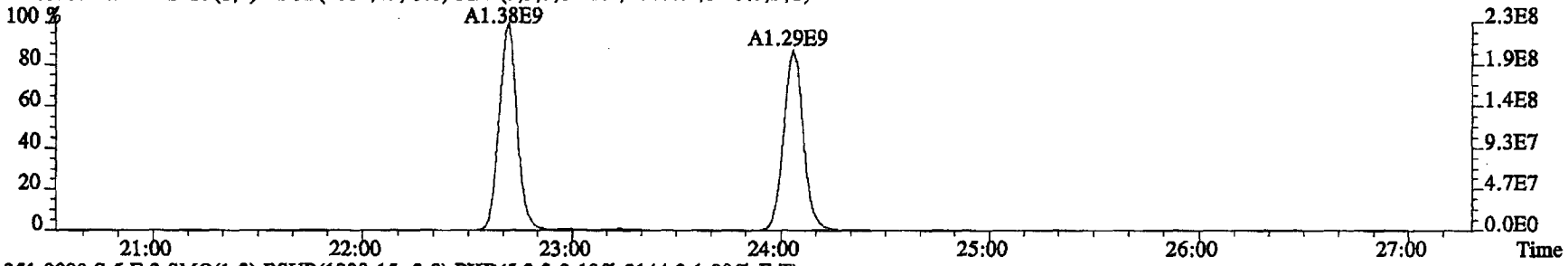
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8492.0,1.00%,F,T)



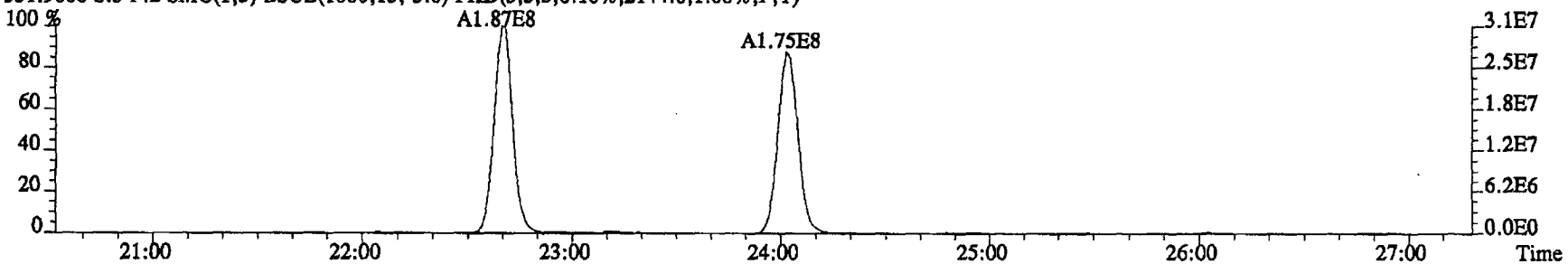
File:14SE101D5 #1-422 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11548.0,1.00%,F,T)



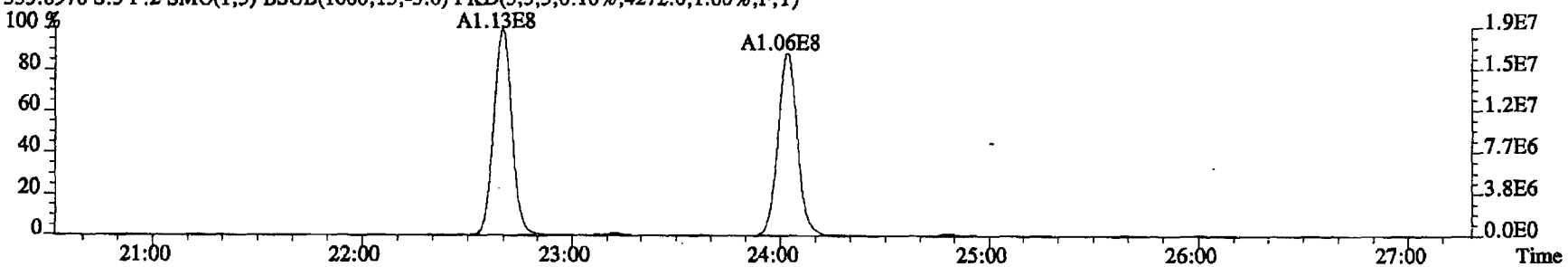
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14244.0,1.00%,F,T)



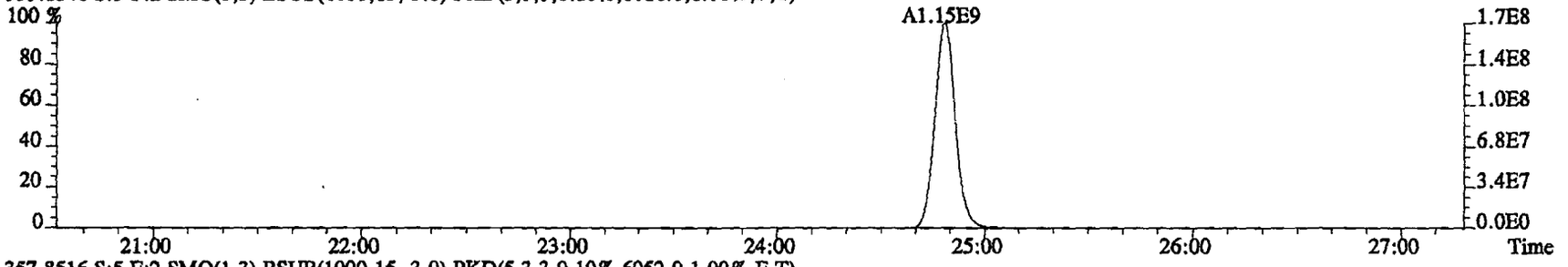
351.9000 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2144.0,1.00%,F,T)



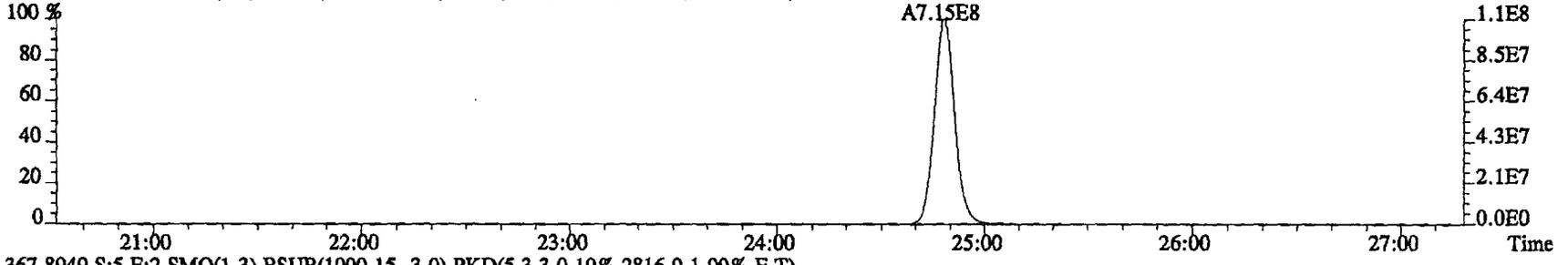
353.8970 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4272.0,1.00%,F,T)



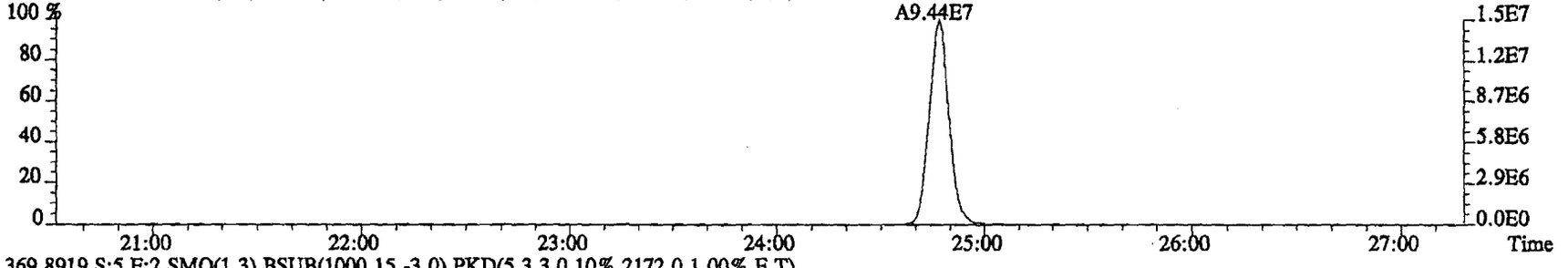
File:14SE101D5 #1-422 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6016.0,1.00%,F,T)



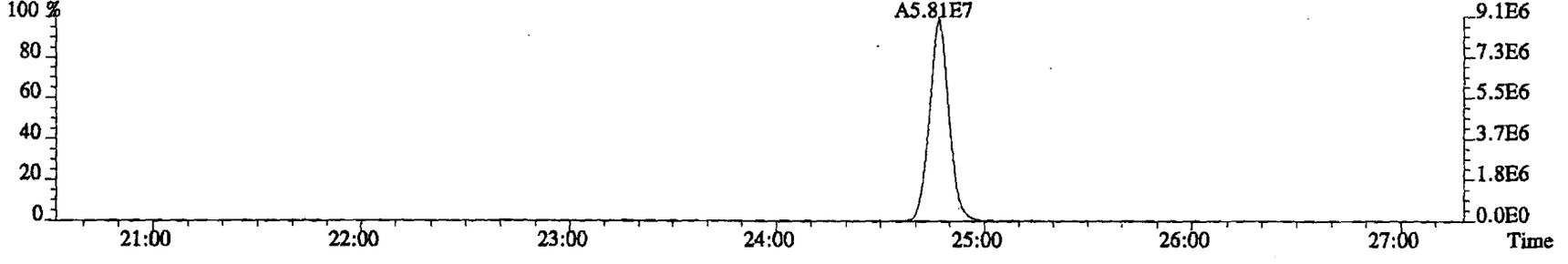
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6052.0,1.00%,F,T)



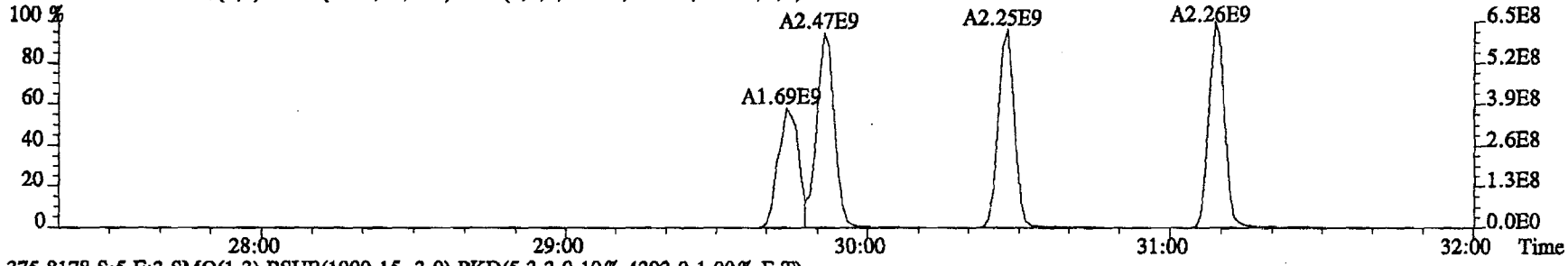
367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2816.0,1.00%,F,T)



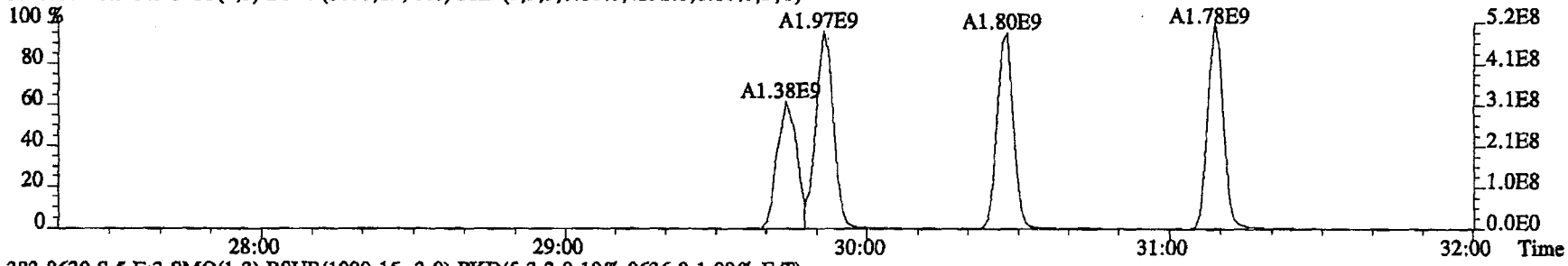
369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2172.0,1.00%,F,T)



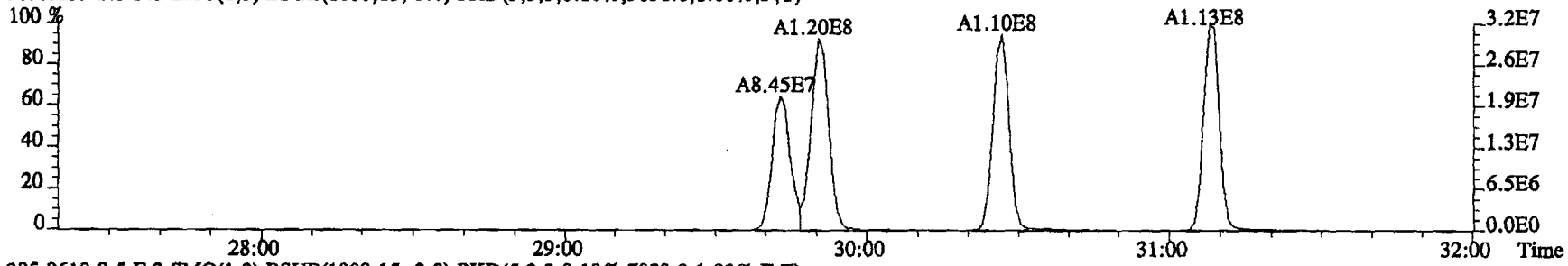
File:14SE101D5 #1-301 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4944.0,1.00%,F,T)



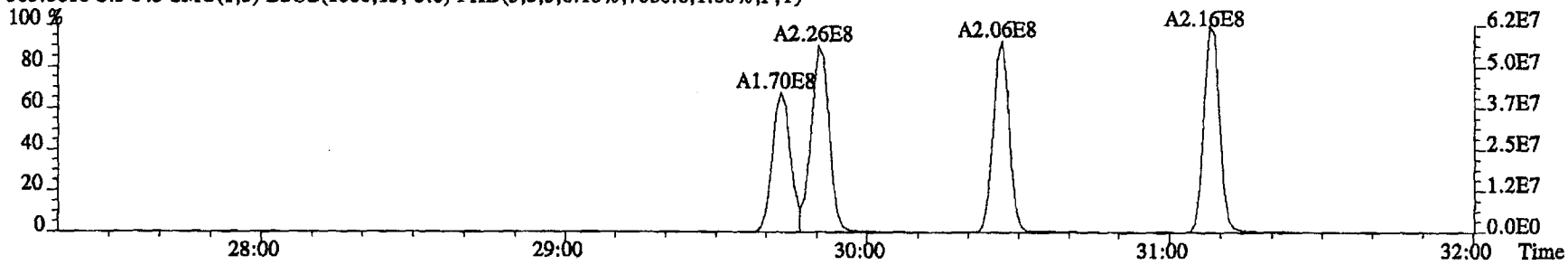
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4292.0,1.00%,F,T)



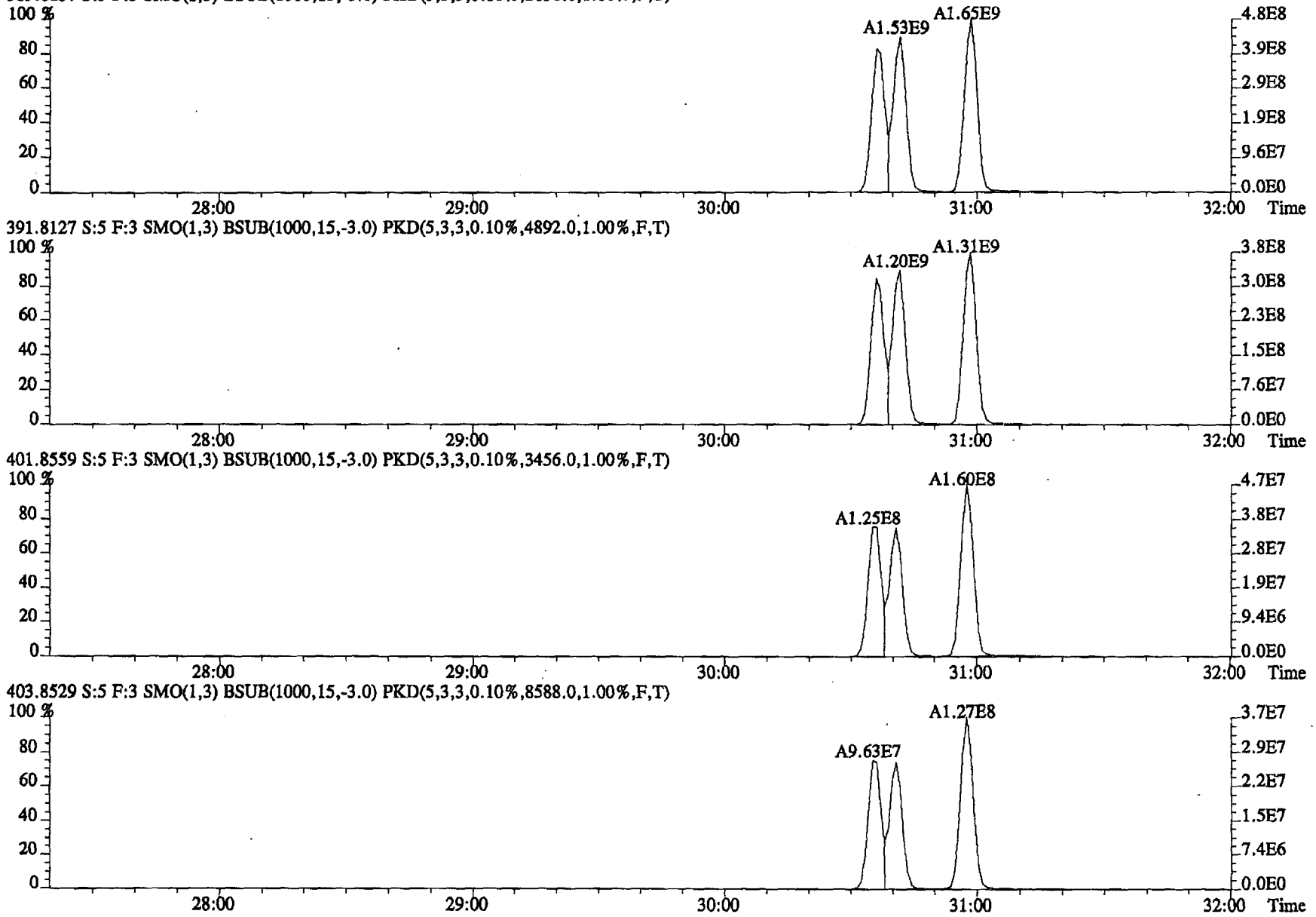
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9636.0,1.00%,F,T)



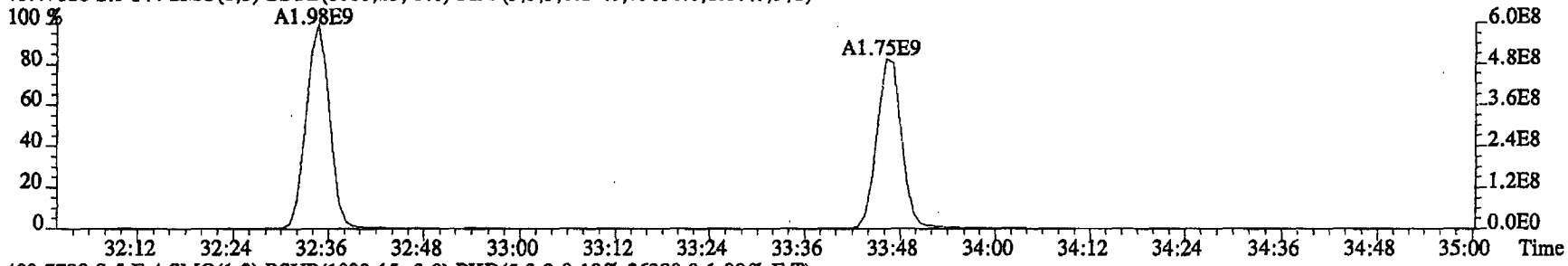
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7080.0,1.00%,F,T)



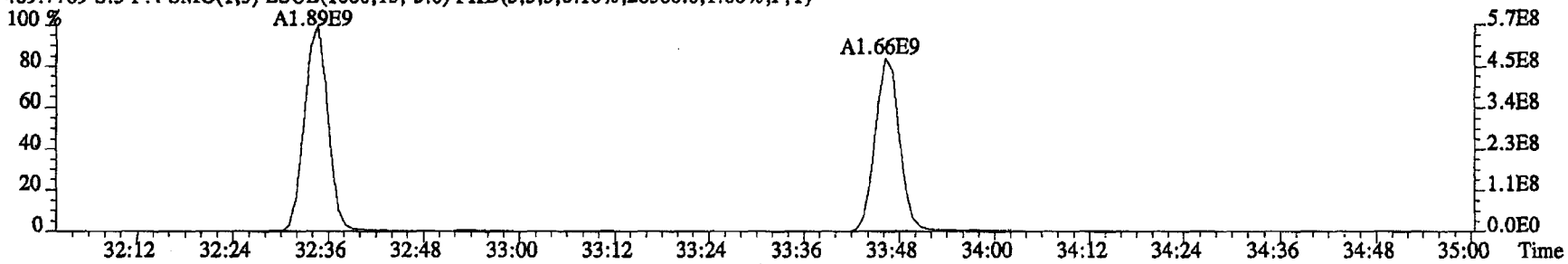
File:14SE101D5 #1-301 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES



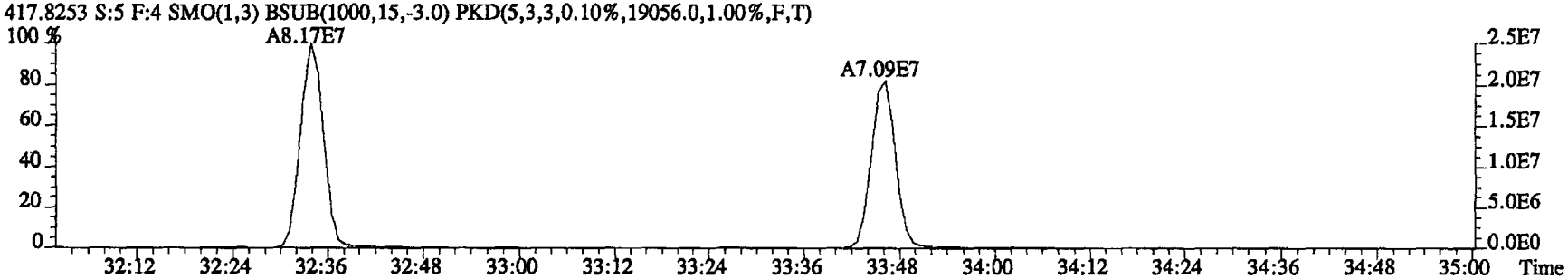
File:14SE101D5 #1-203 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,75656.0,1.00%,F,T)



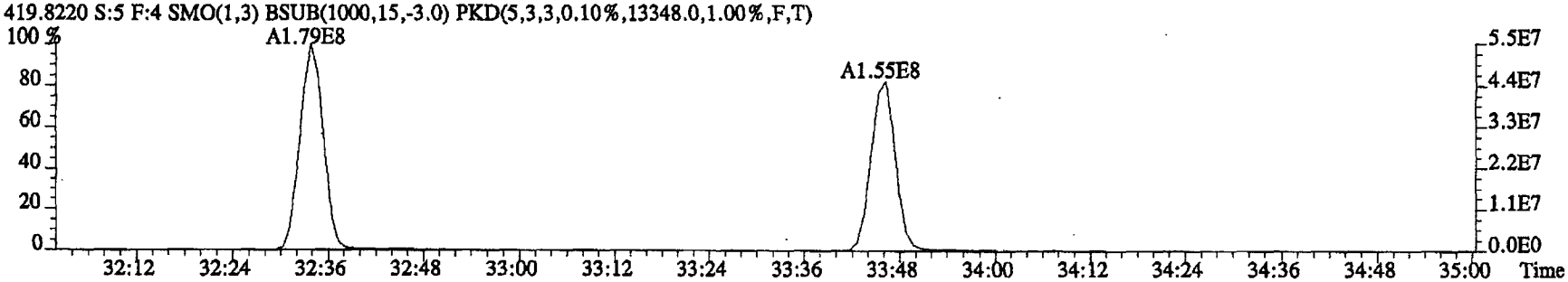
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26380.0,1.00%,F,T)



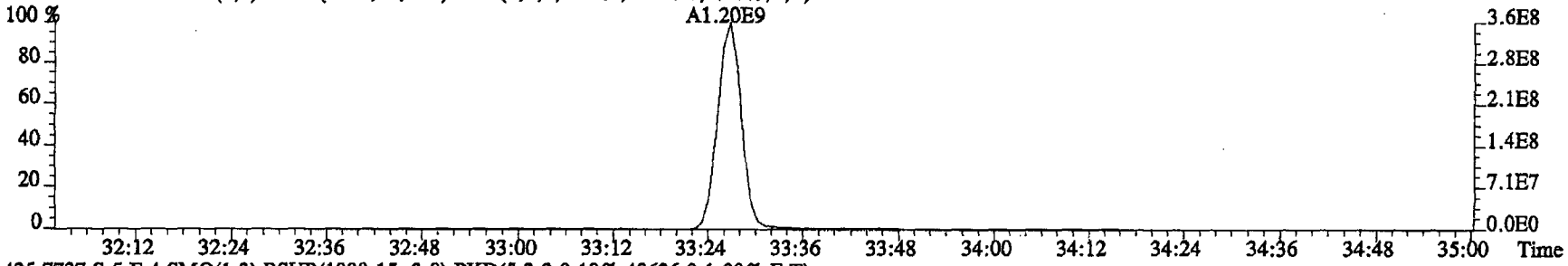
417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19056.0,1.00%,F,T)



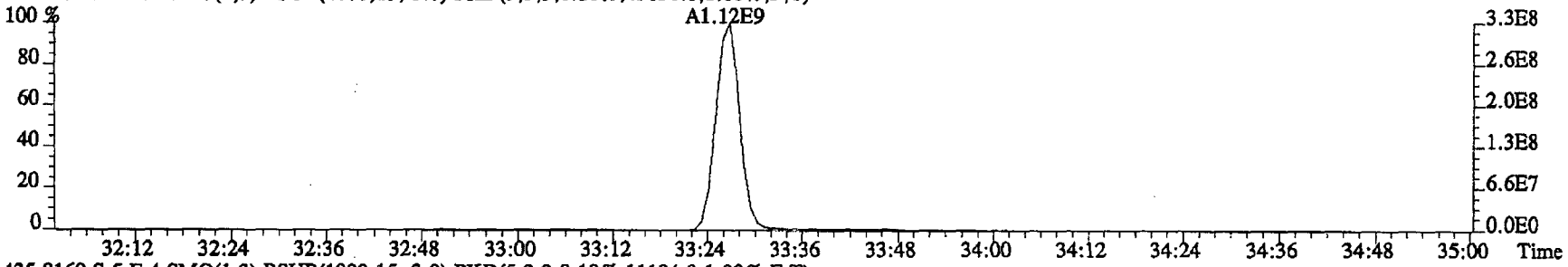
419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13348.0,1.00%,F,T)



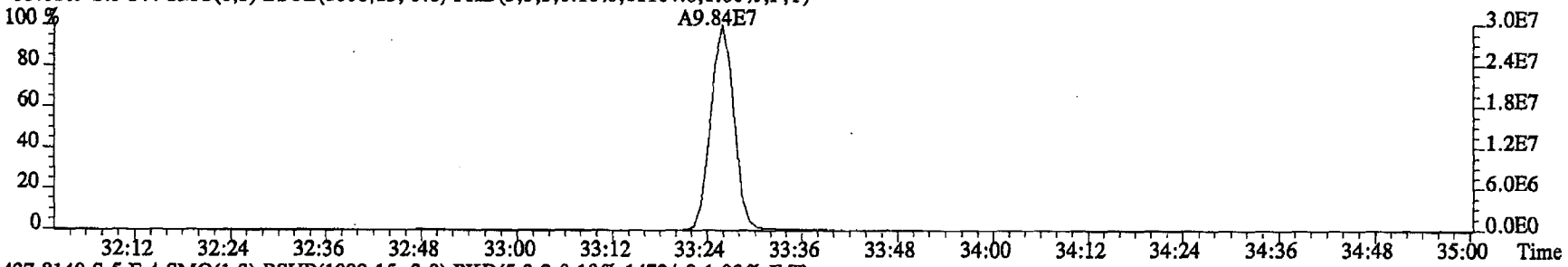
File:14SE101D5 #1-203 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37960.0,1.00%,F,T)



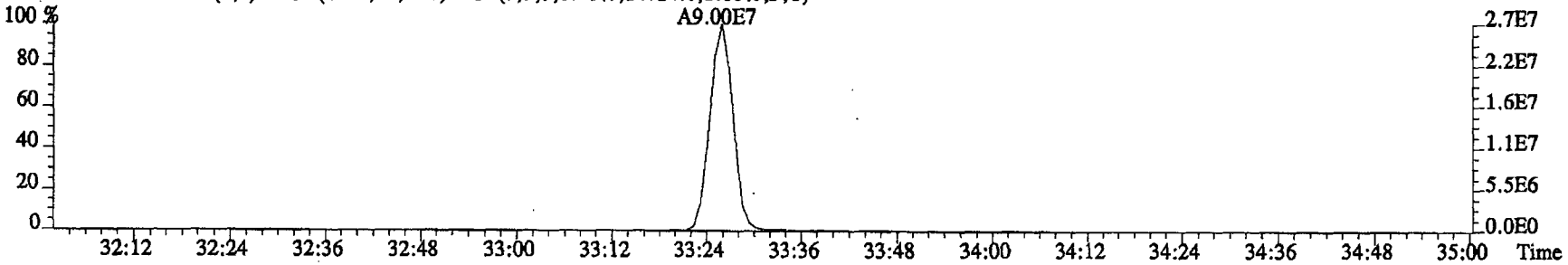
425.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49636.0,1.00%,F,T)



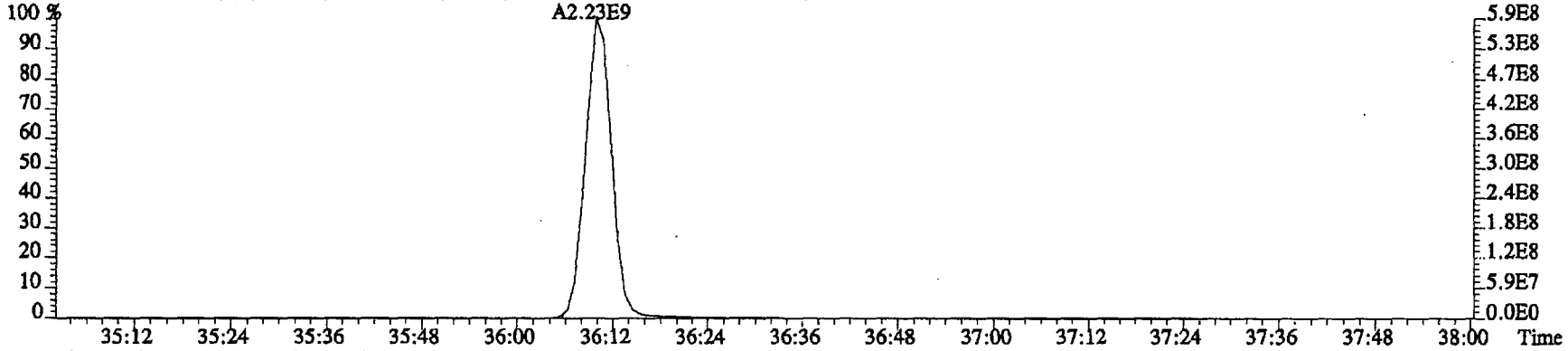
435.8169 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11104.0,1.00%,F,T)



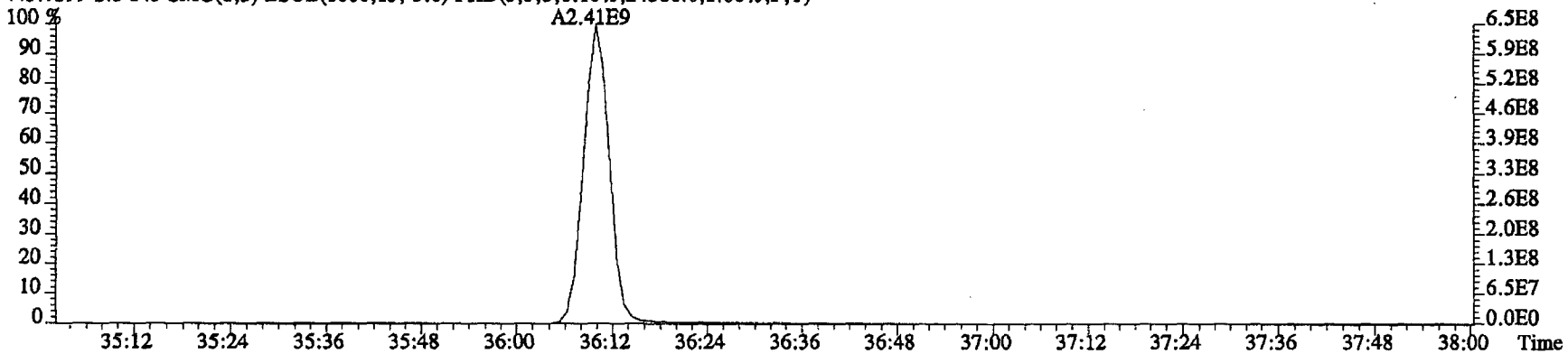
437.8140 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14724.0,1.00%,F,T)



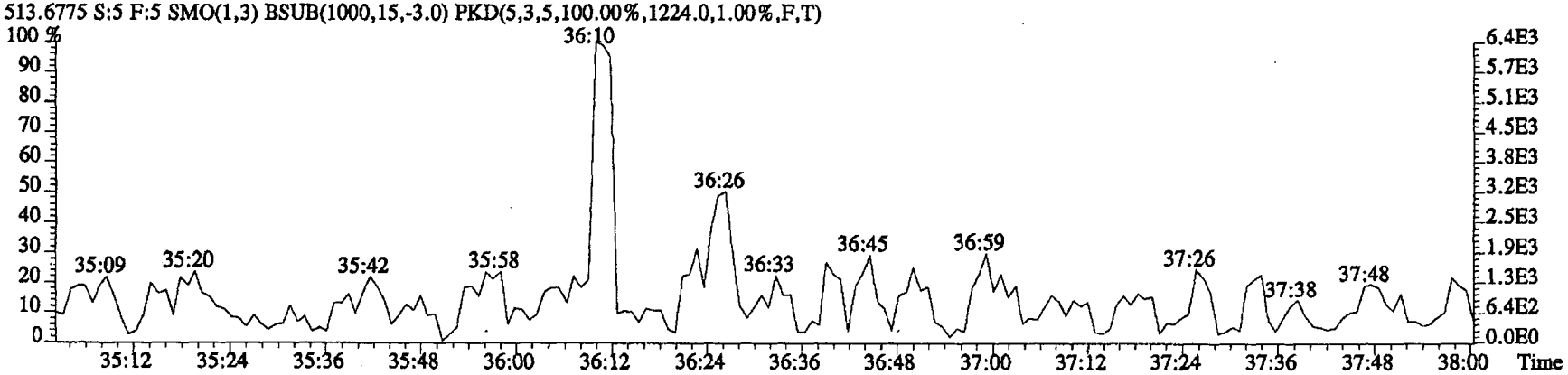
File:14SE101D5 #1-196 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43356.0,1.00%,F,T)



443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24380.0,1.00%,F,T)

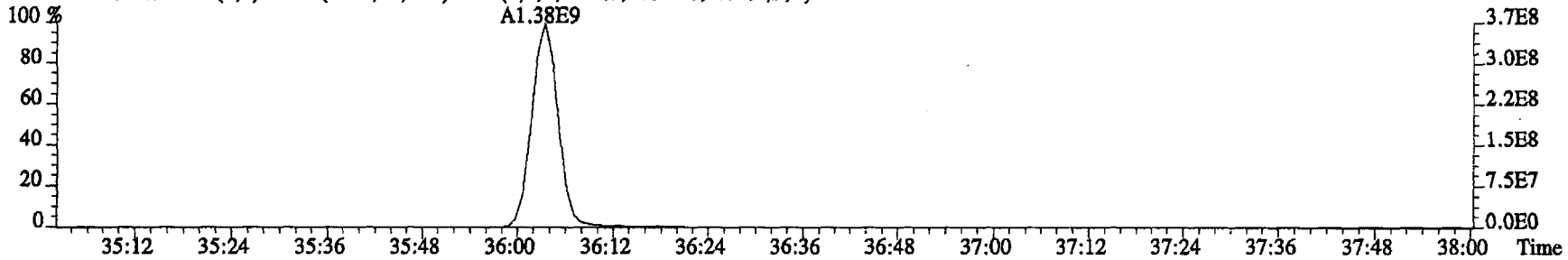


513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1224.0,1.00%,F,T)

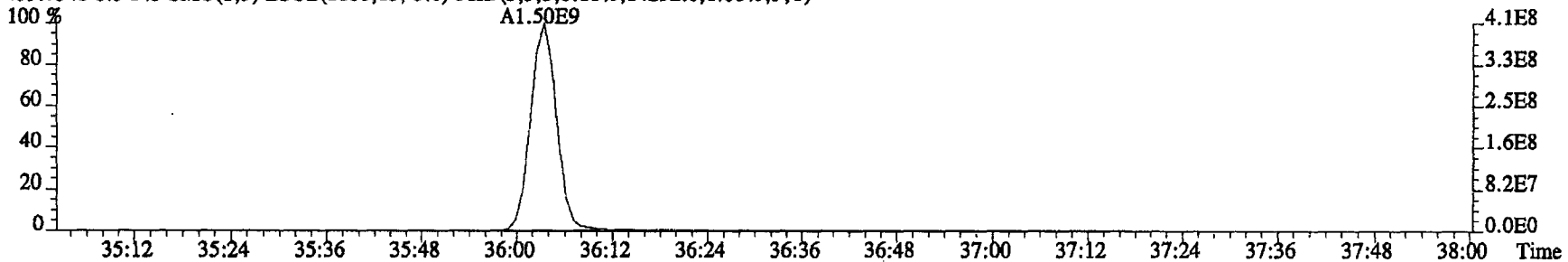


File:14SE101D5 #1-196 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES

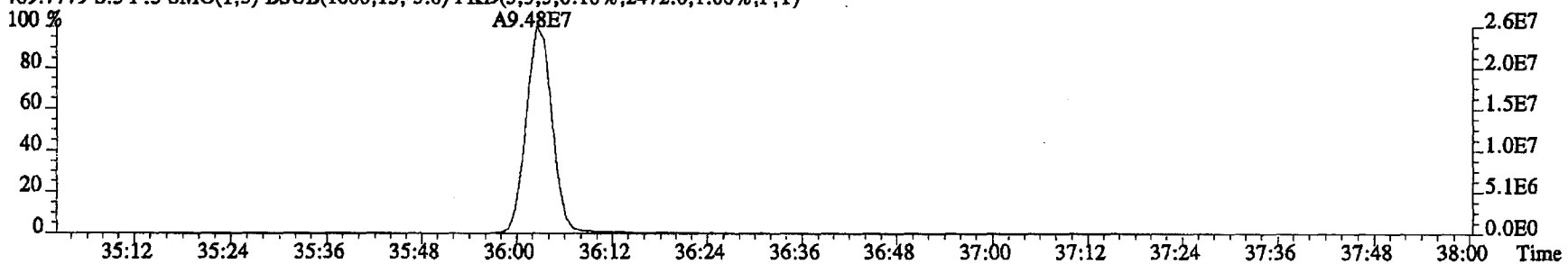
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12636.0,1.00%,F,T)



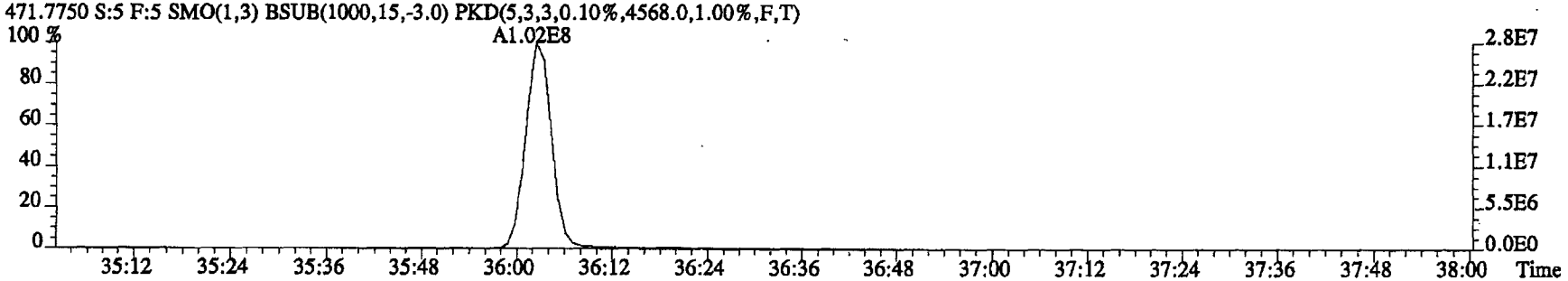
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14292.0,1.00%,F,T)

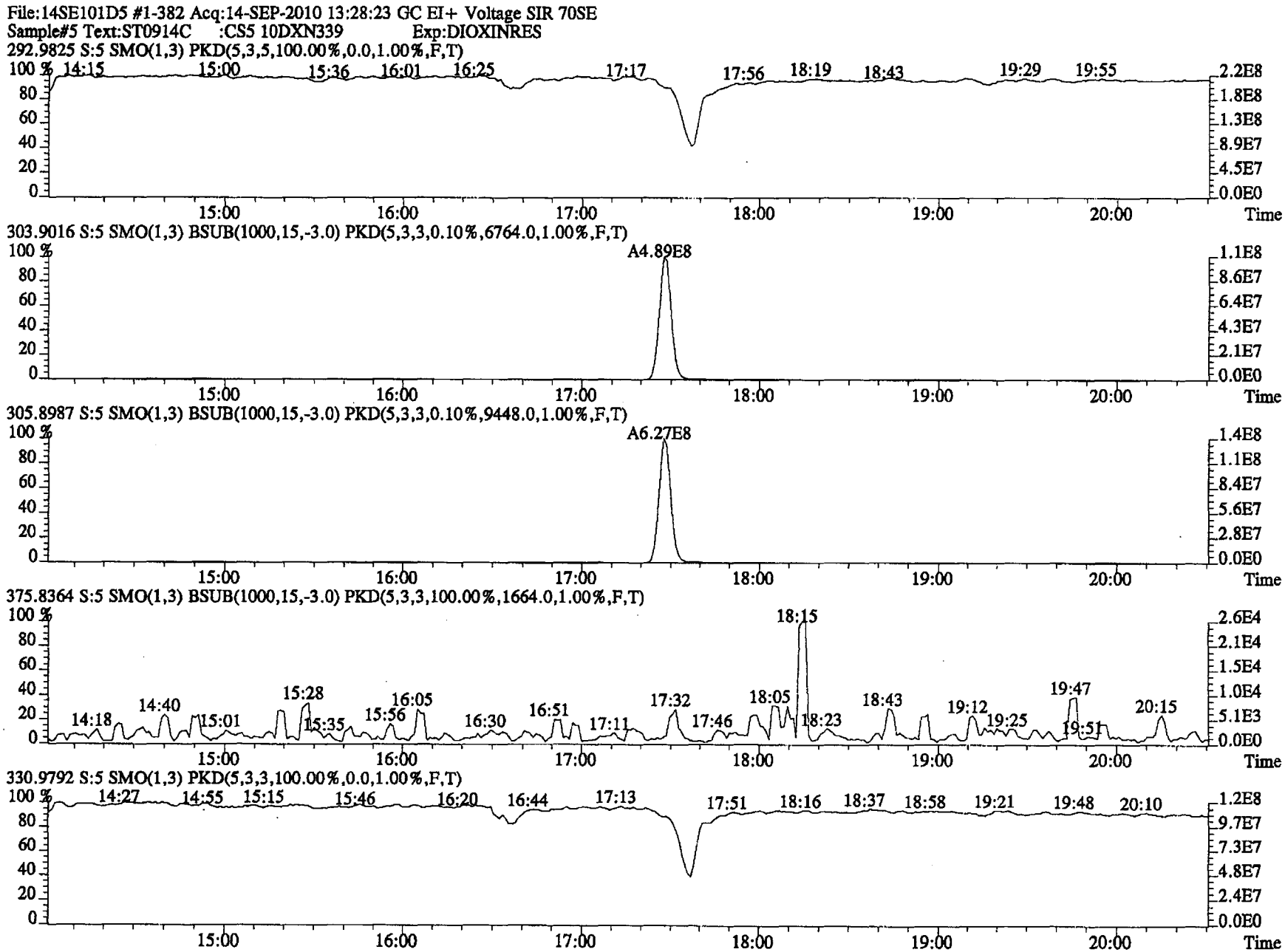


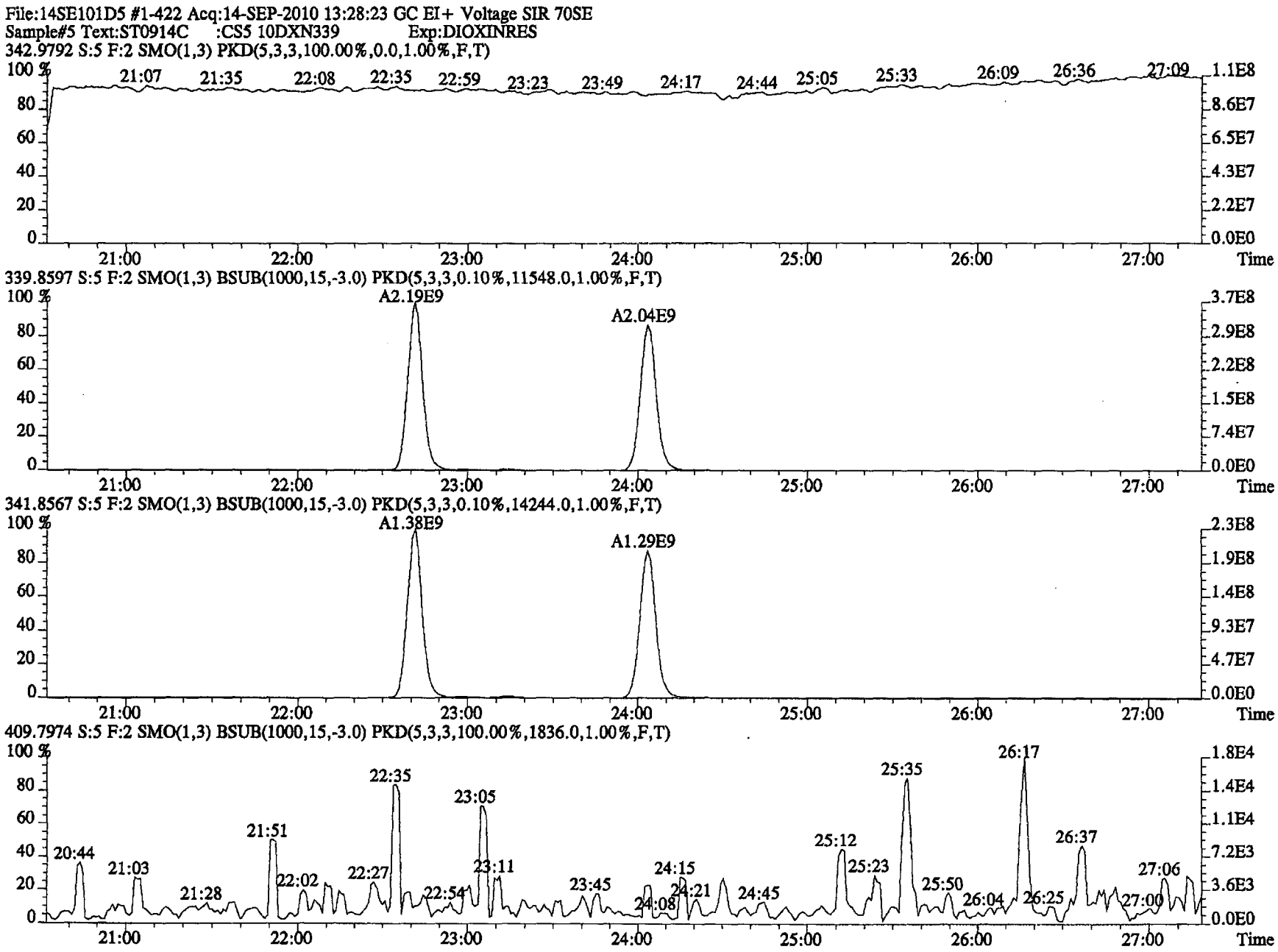
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2472.0,1.00%,F,T)



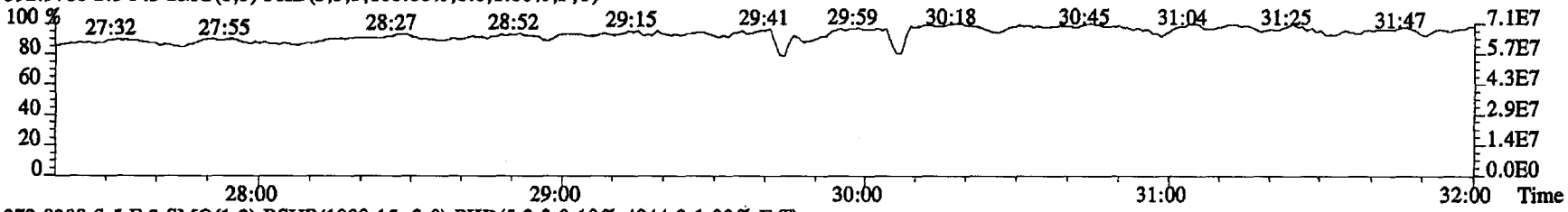
471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568.0,1.00%,F,T)



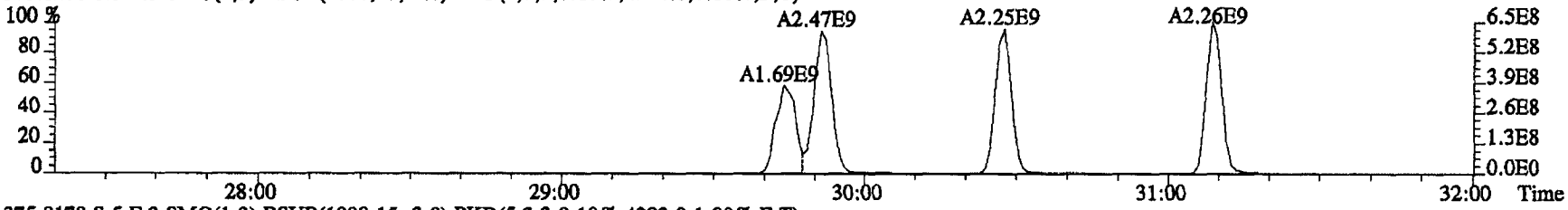




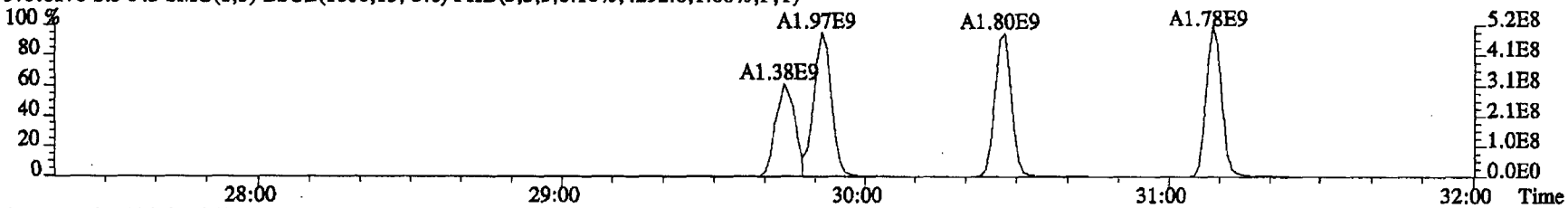
File:14SE101D5 #1-301 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



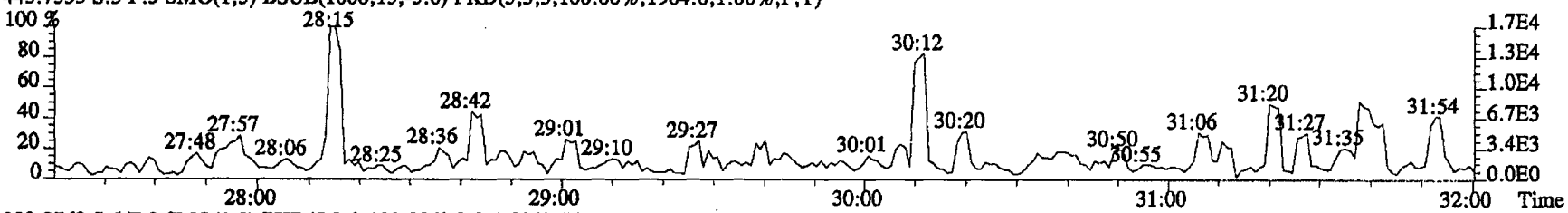
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4944.0,1.00%,F,T)



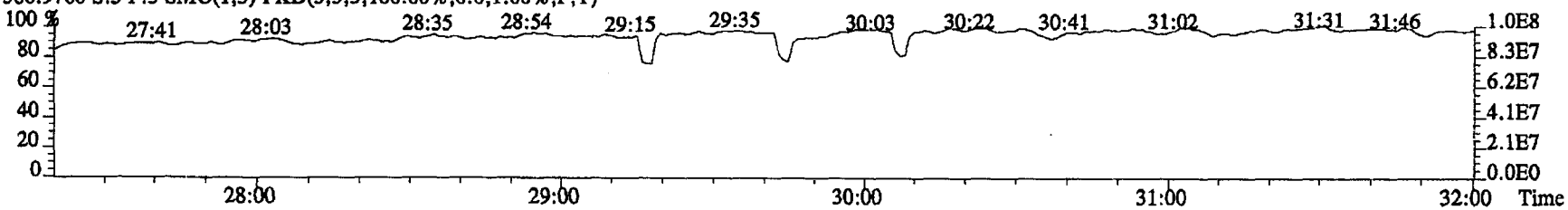
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4292.0,1.00%,F,T)



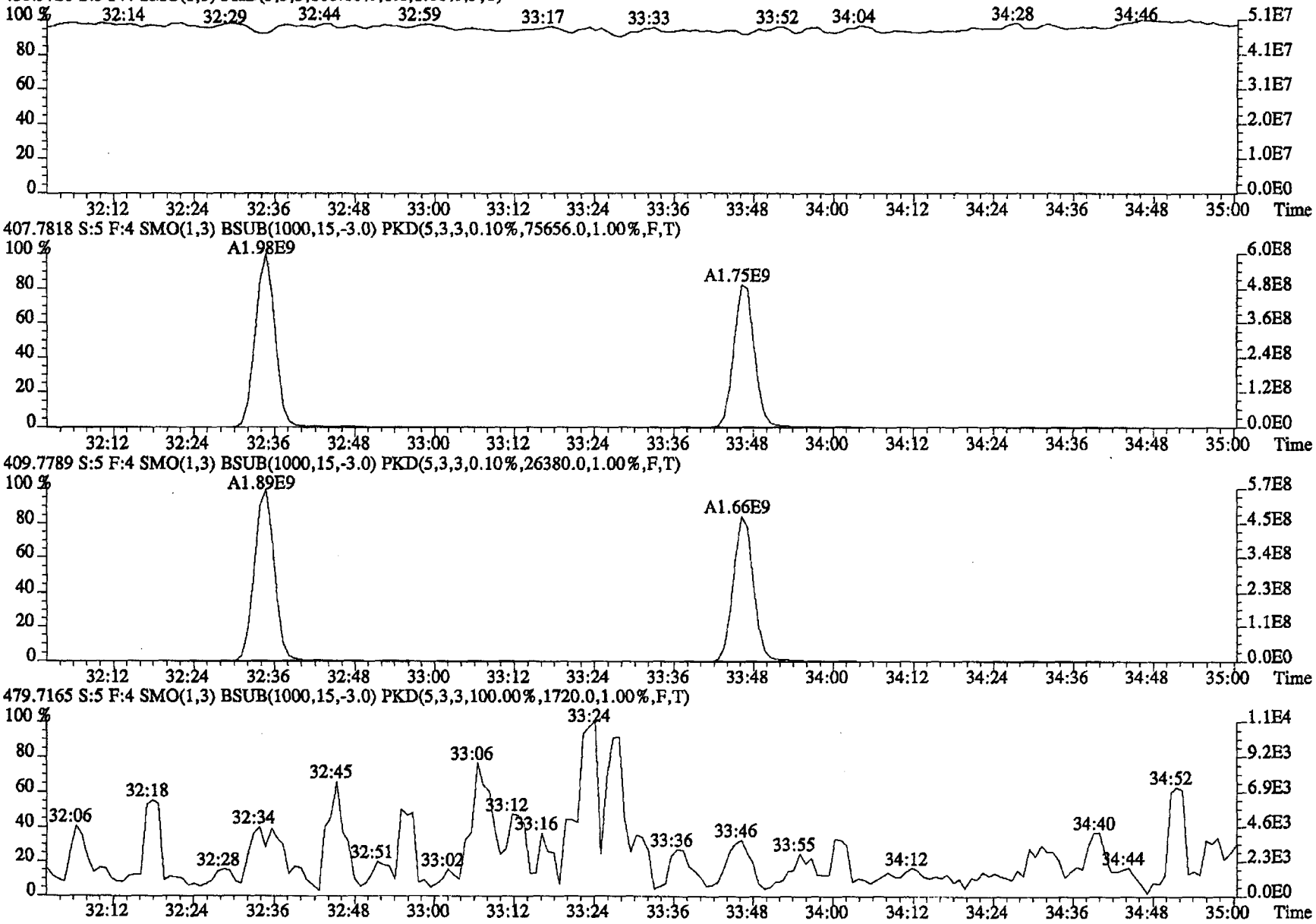
445.7555 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1904.0,1.00%,F,T)



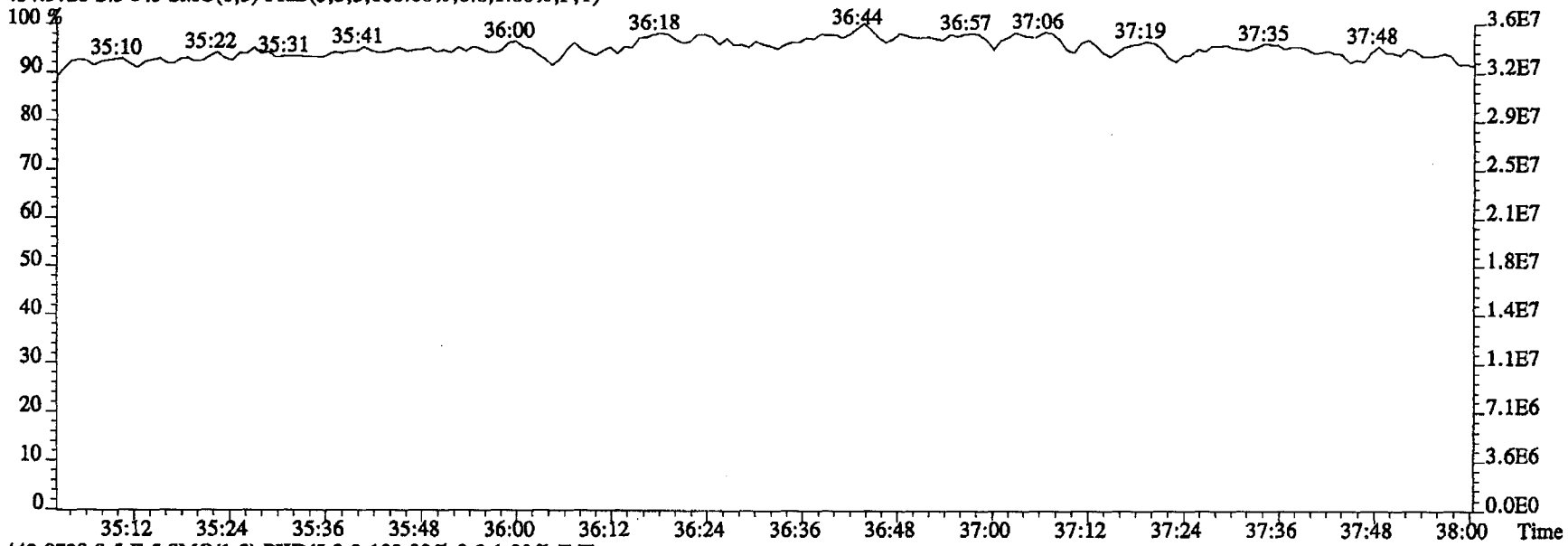
380.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



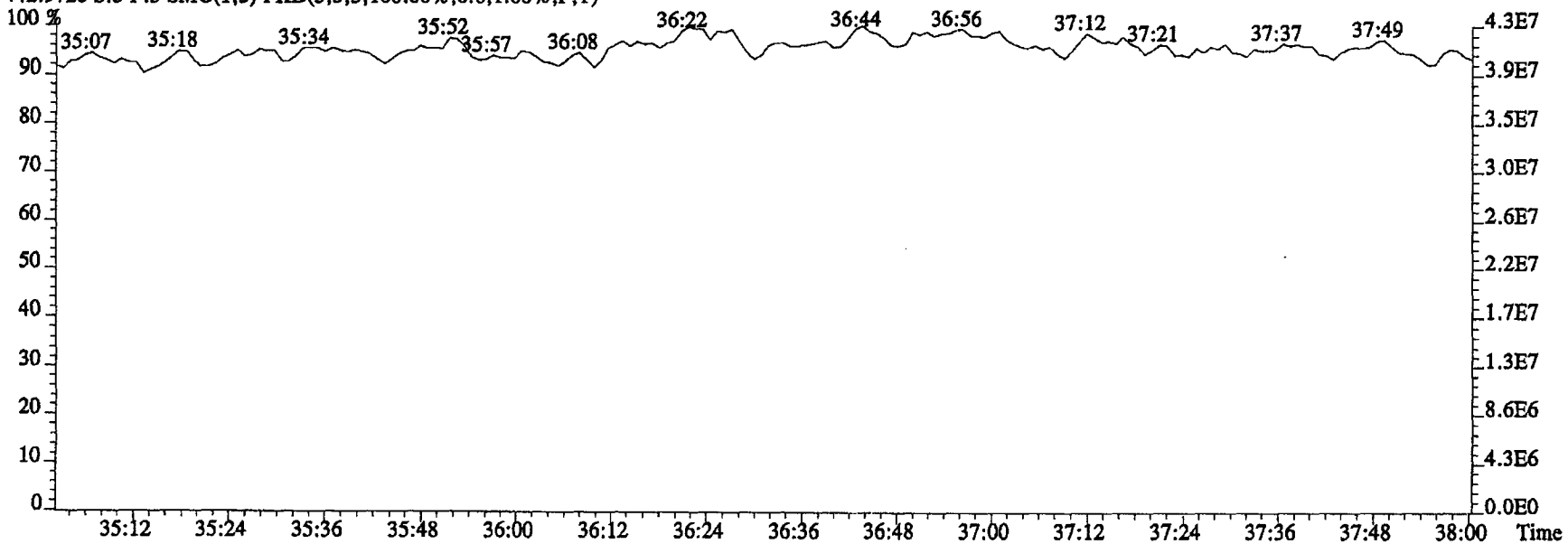
File:14SE101D5 #1-203 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES



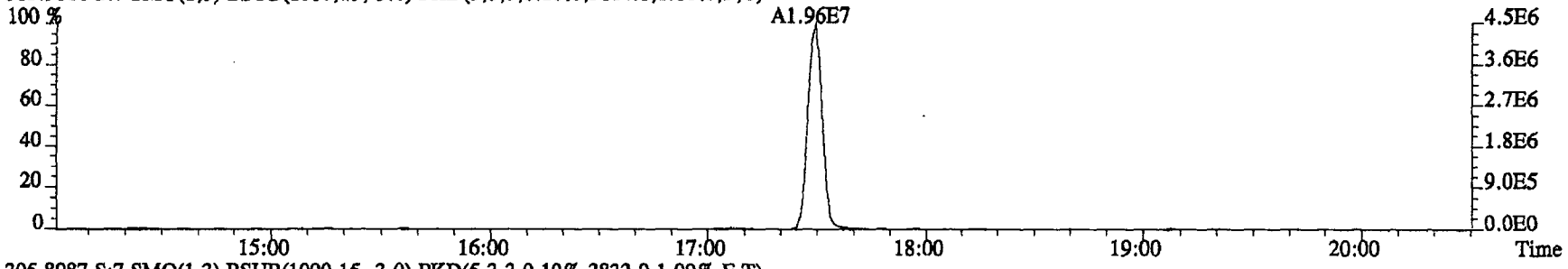
File:14SE101D5 #1-196 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



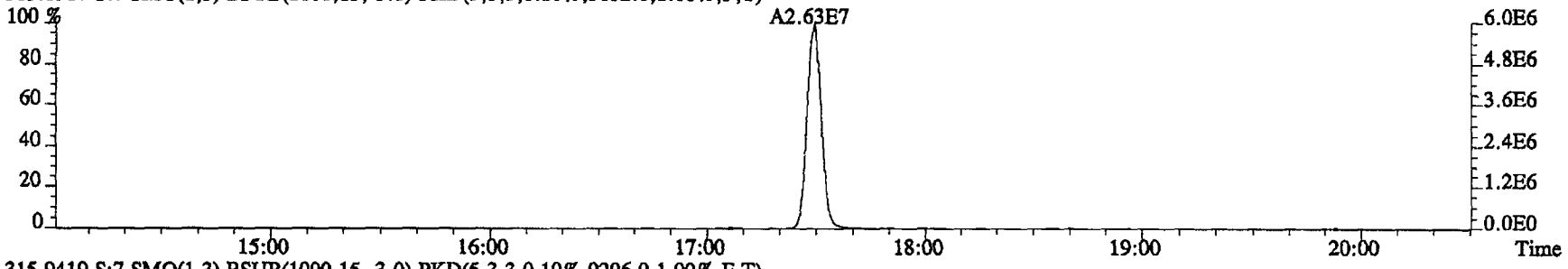
442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



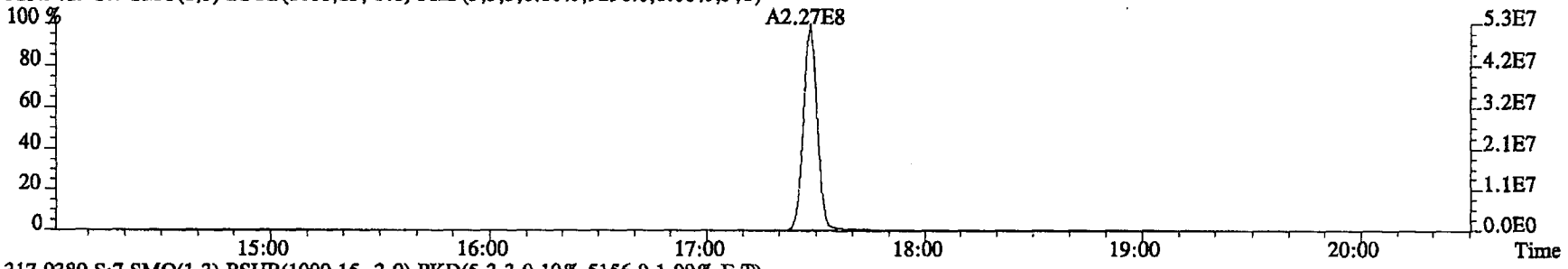
File:14SE101D5 #1-382 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3664.0,1.00%,F,T)



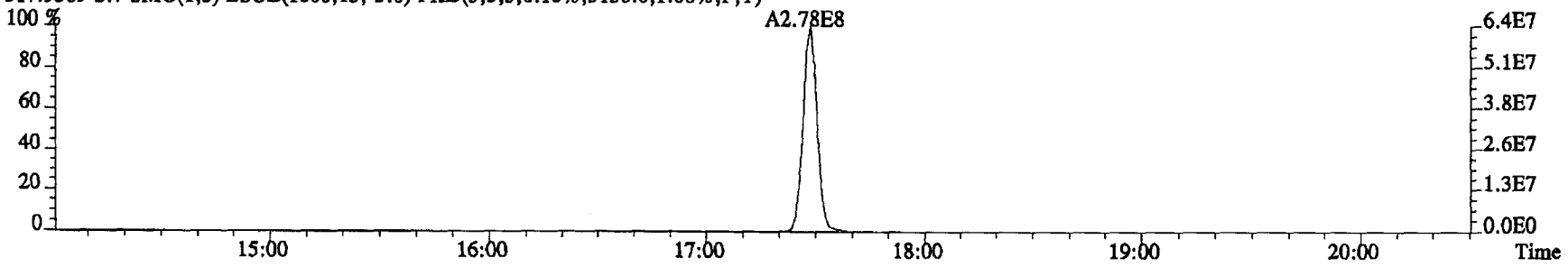
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9296.0,1.00%,F,T)

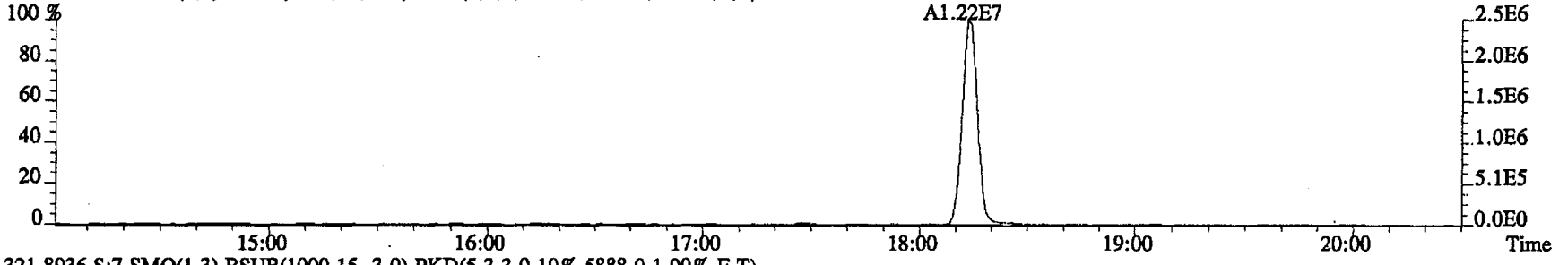


317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5156.0,1.00%,F,T)

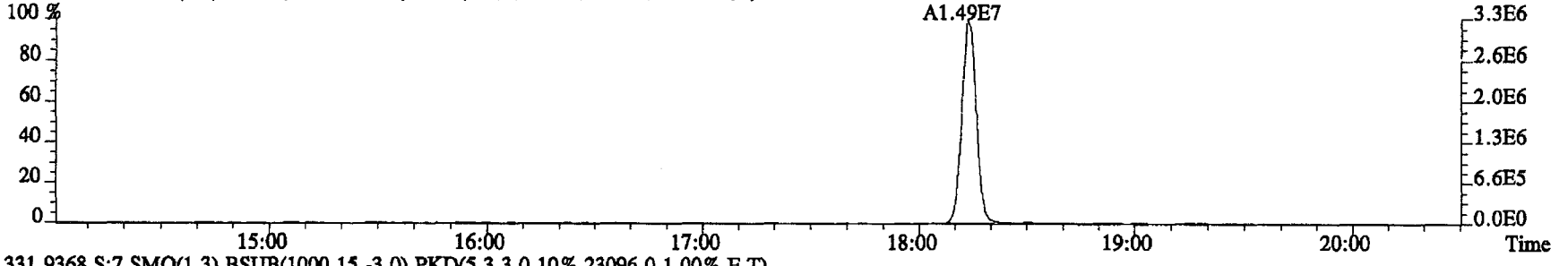


File:14SE101D5 #1-382 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES

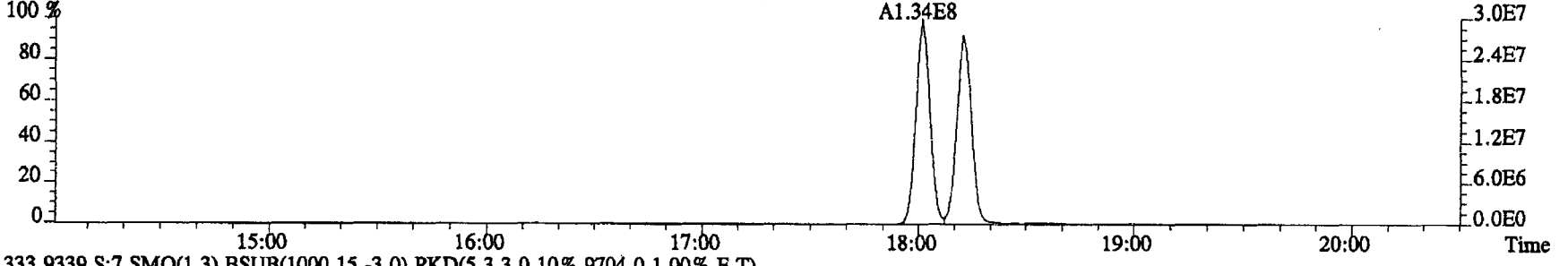
319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4208.0,1.00%,F,T)



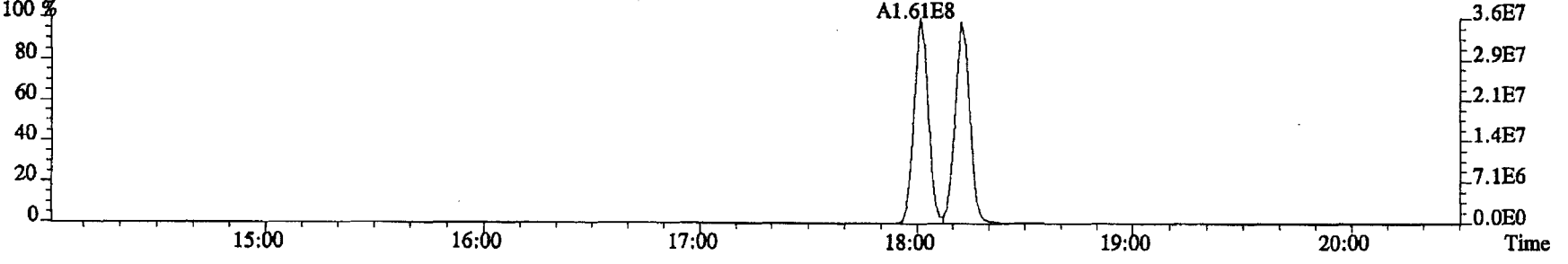
321.8936 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5888.0,1.00%,F,T)



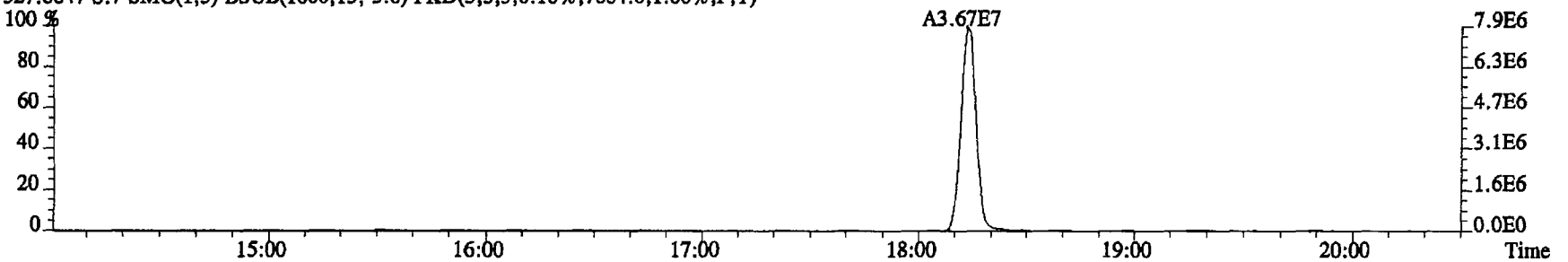
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23096.0,1.00%,F,T)



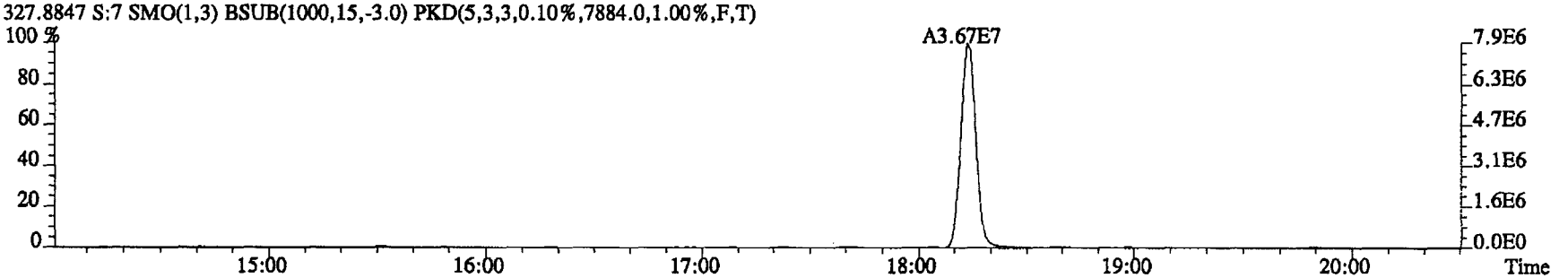
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9704.0,1.00%,F,T)



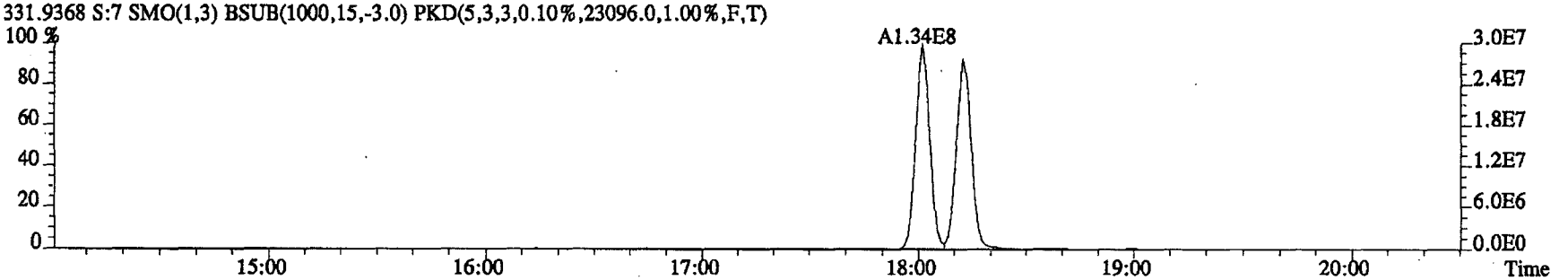
File:14SE101D5 #1-382 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7884.0,1.00%,F,T)



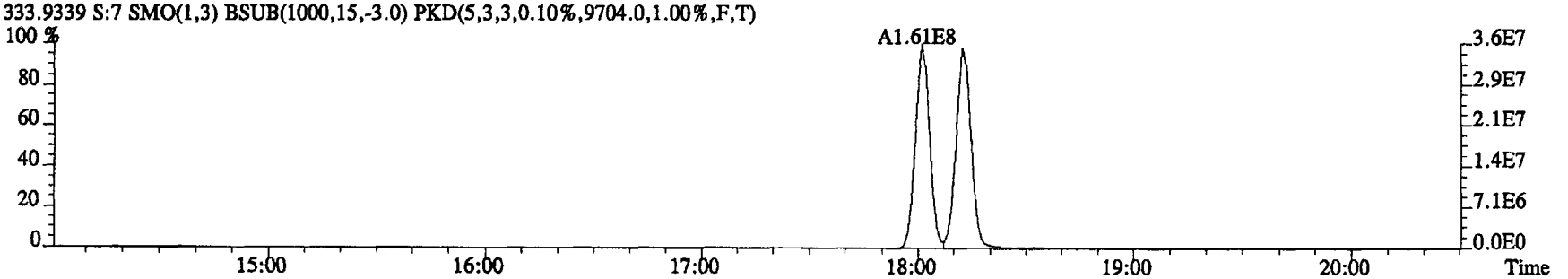
327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7884.0,1.00%,F,T)



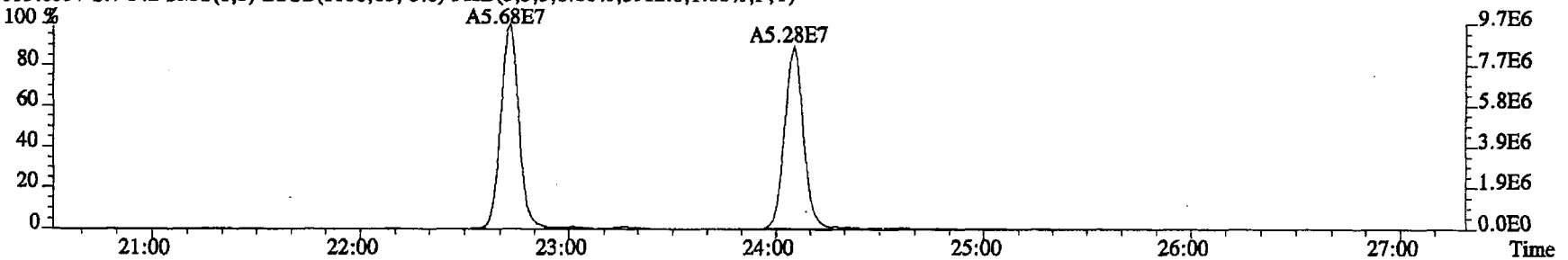
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23096.0,1.00%,F,T)



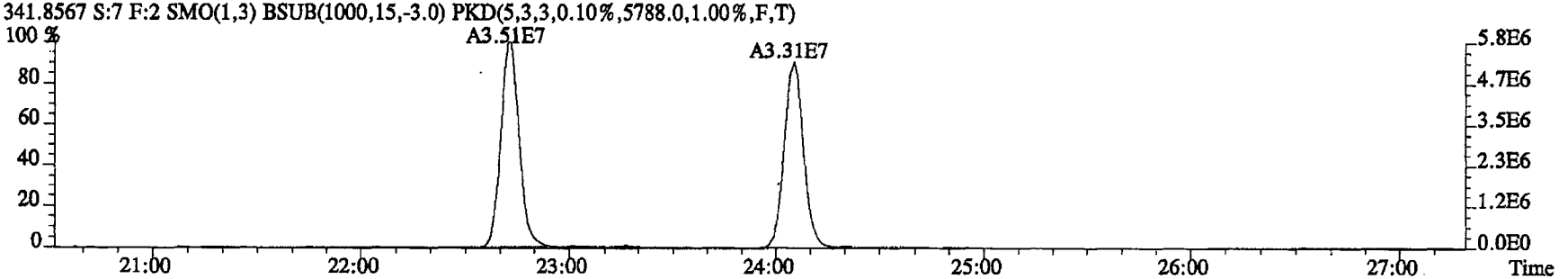
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9704.0,1.00%,F,T)



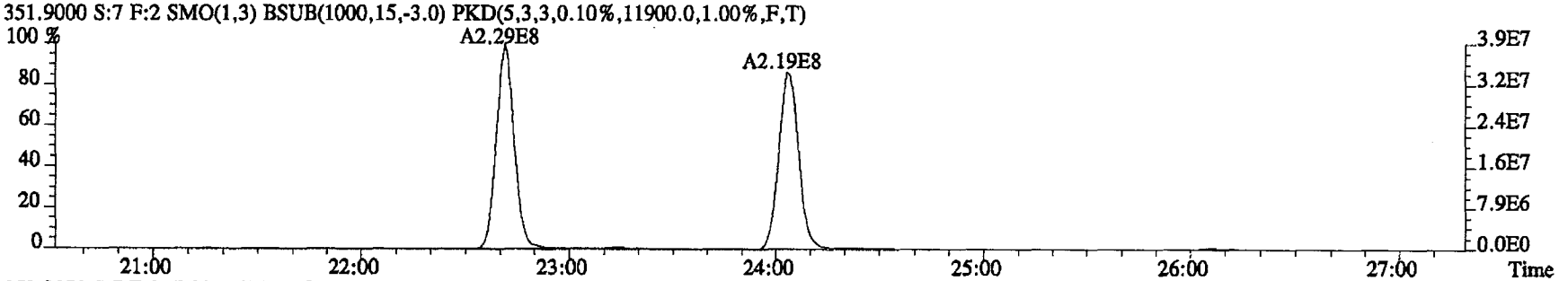
File:14SE101D5 #1-423 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5912.0,1.00%,F,T)



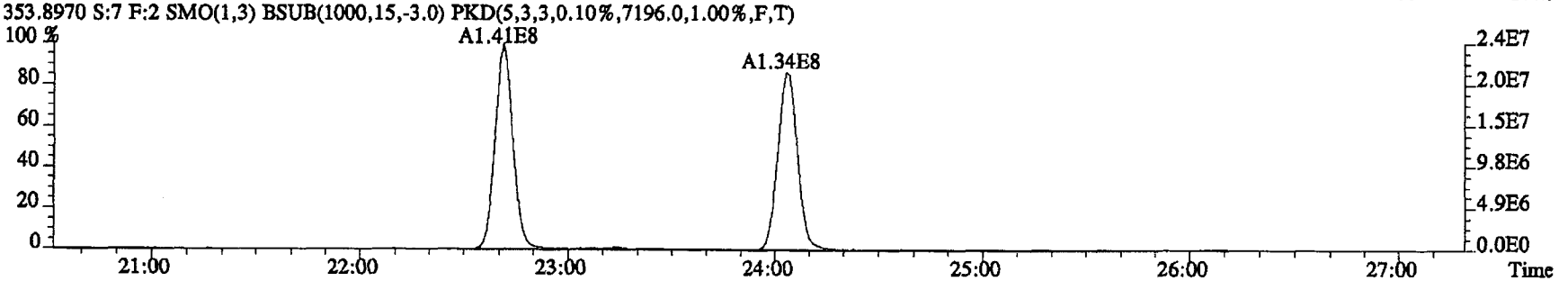
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5788.0,1.00%,F,T)

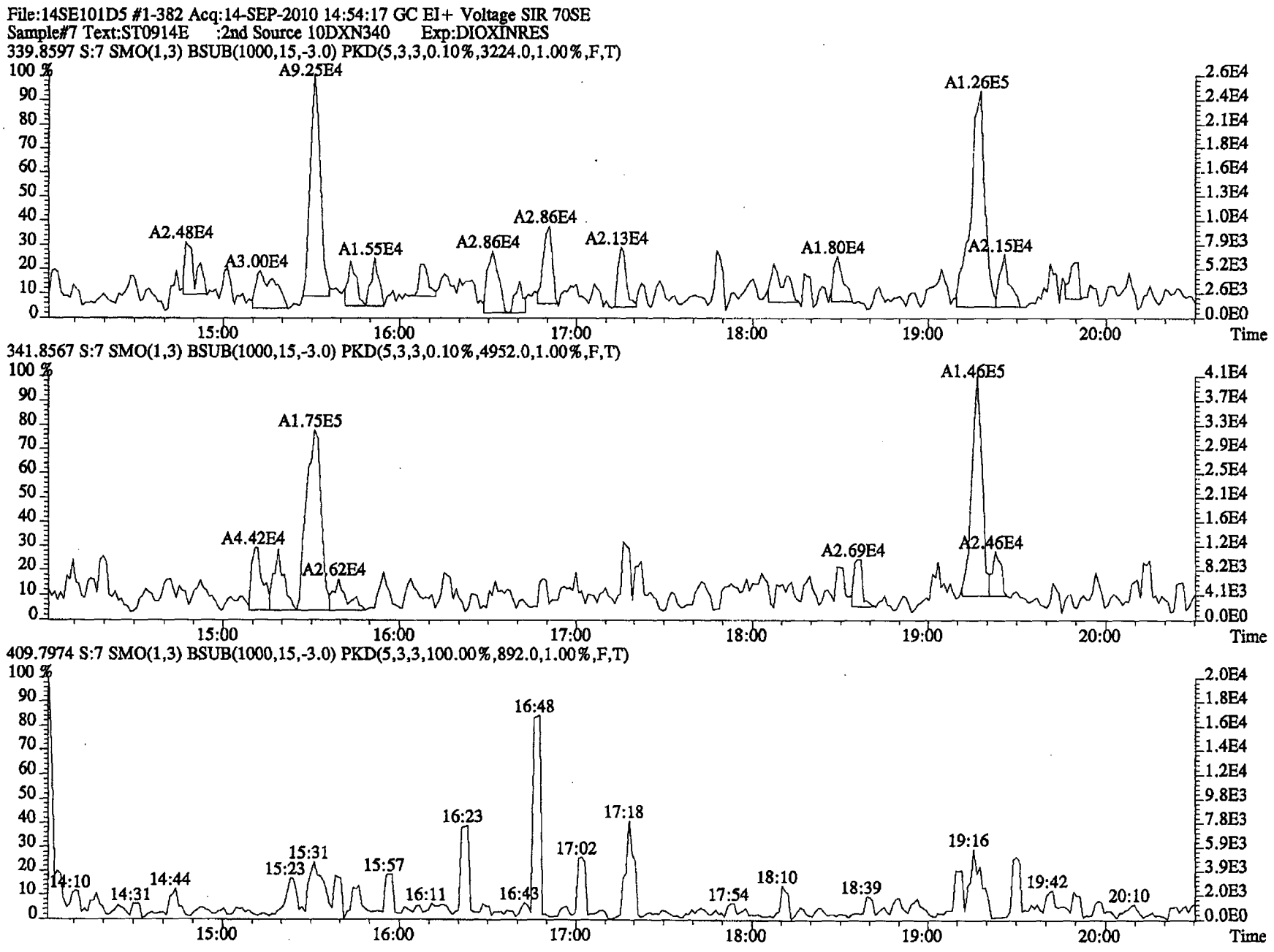


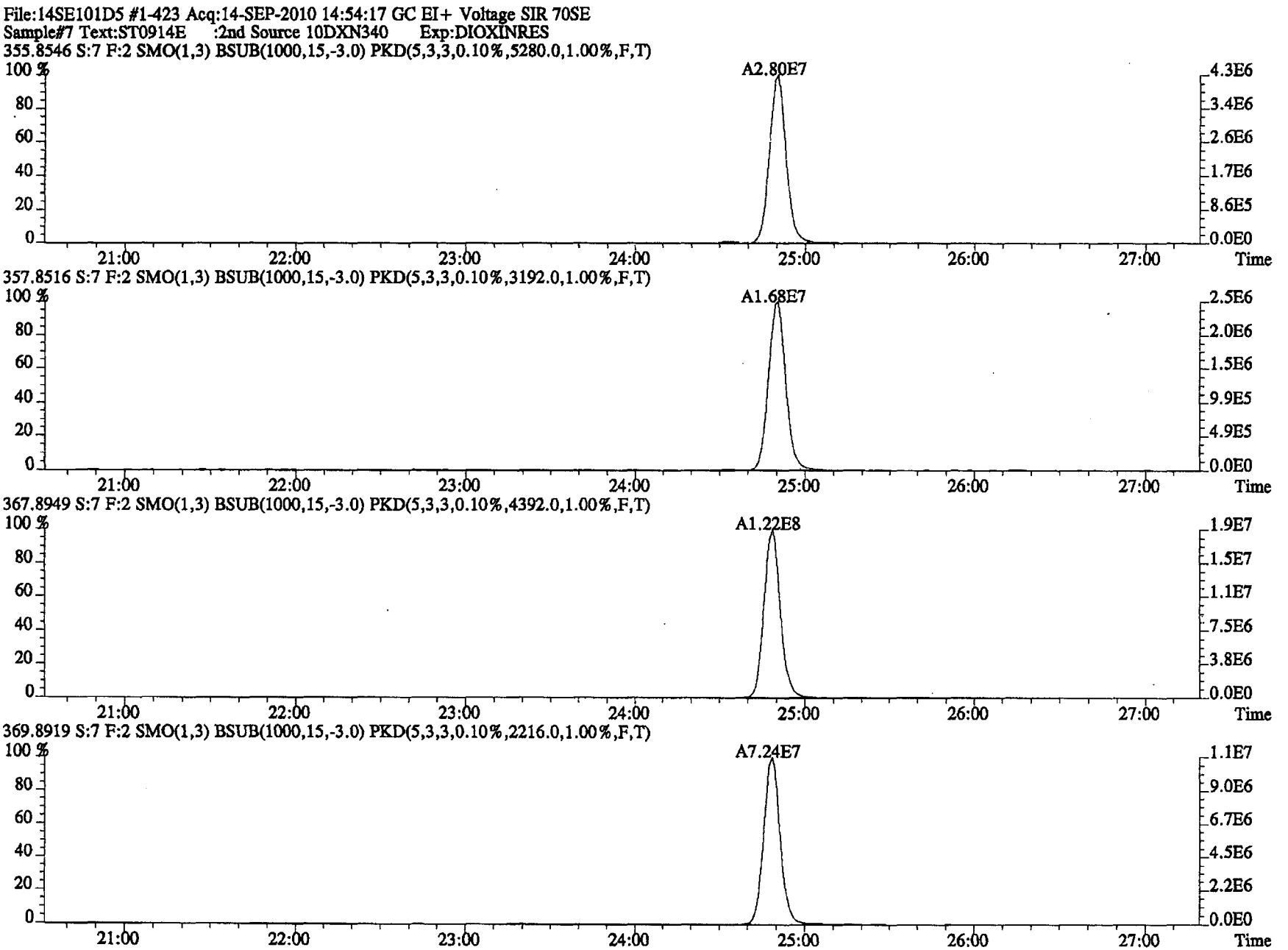
351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11900.0,1.00%,F,T)



353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7196.0,1.00%,F,T)

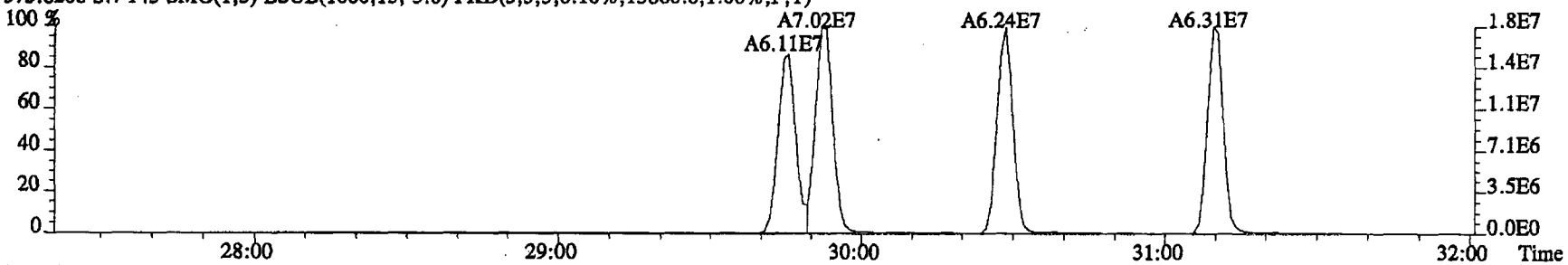




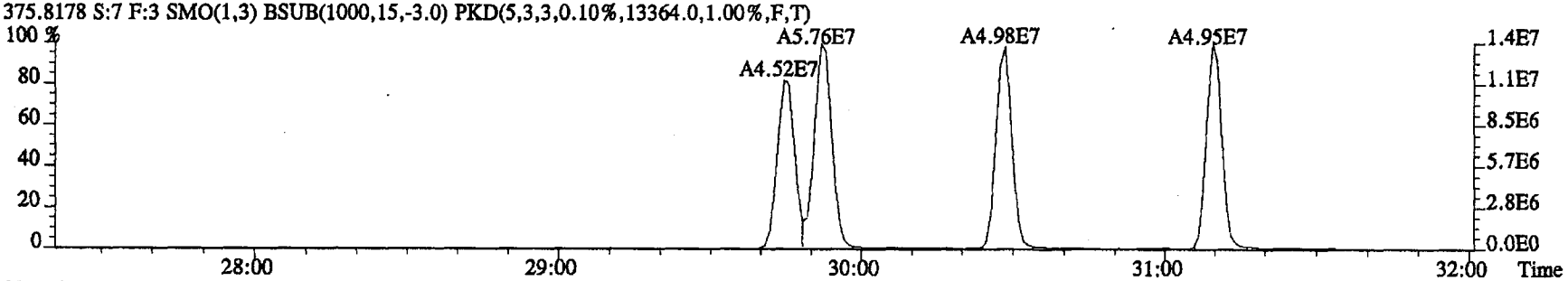


File:14SE101D5 #1-301 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES

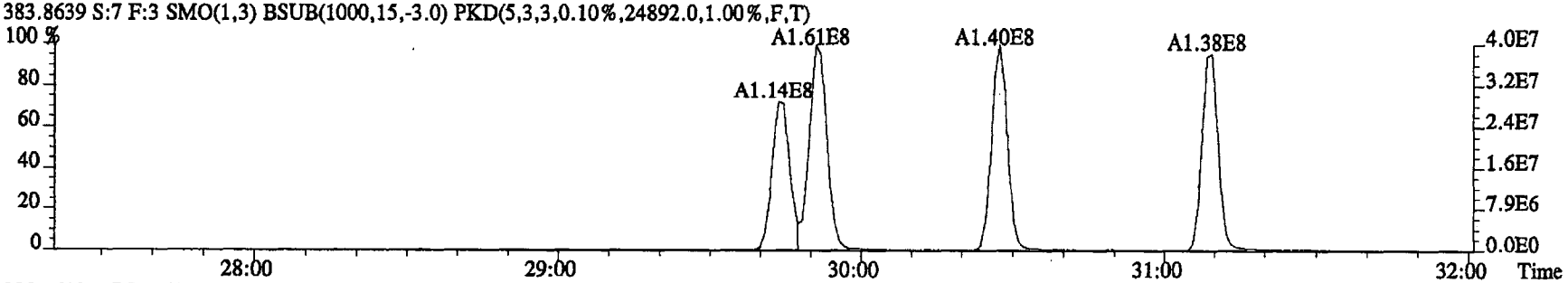
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15860.0,1.00%,F,T)



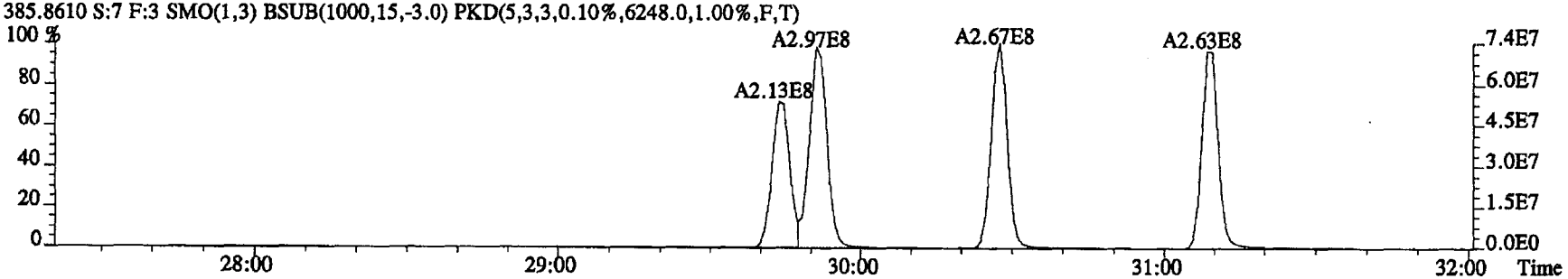
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13364.0,1.00%,F,T)



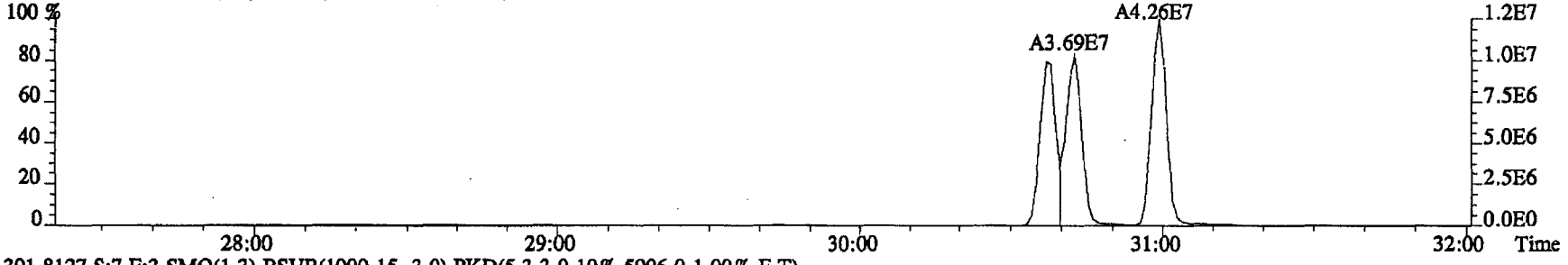
383.8639 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24892.0,1.00%,F,T)



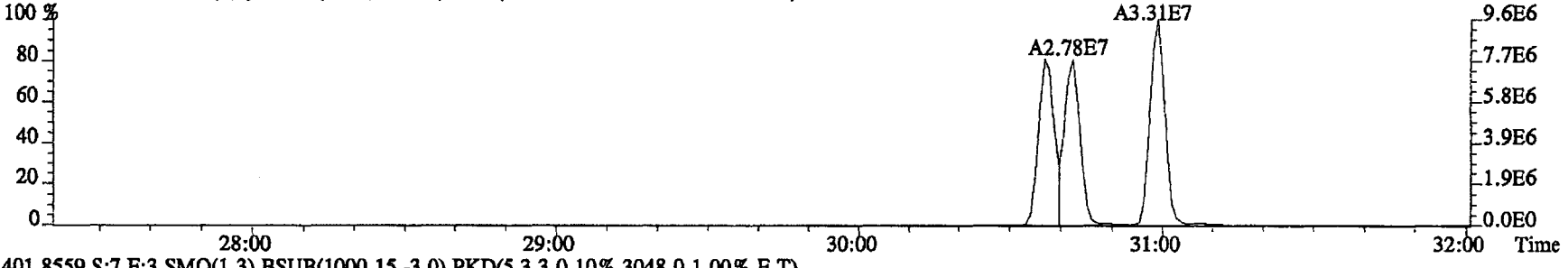
385.8610 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6248.0,1.00%,F,T)



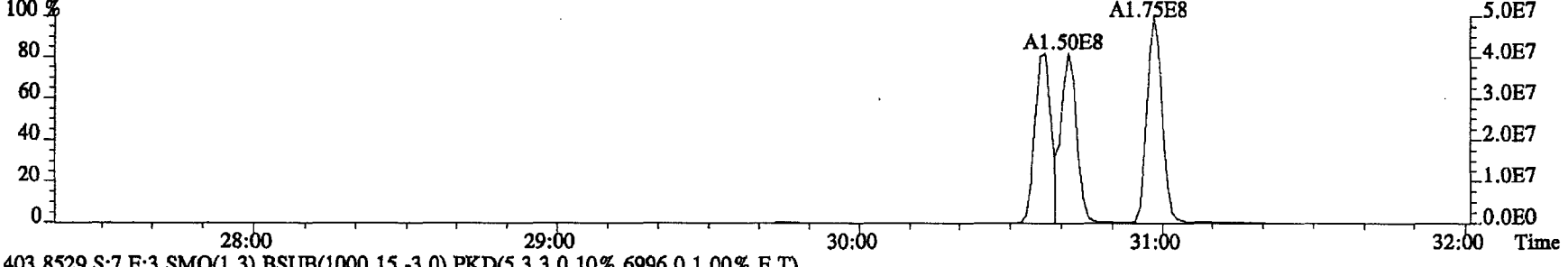
File:14SE101D5 #1-301 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3556.0,1.00%,F,T)



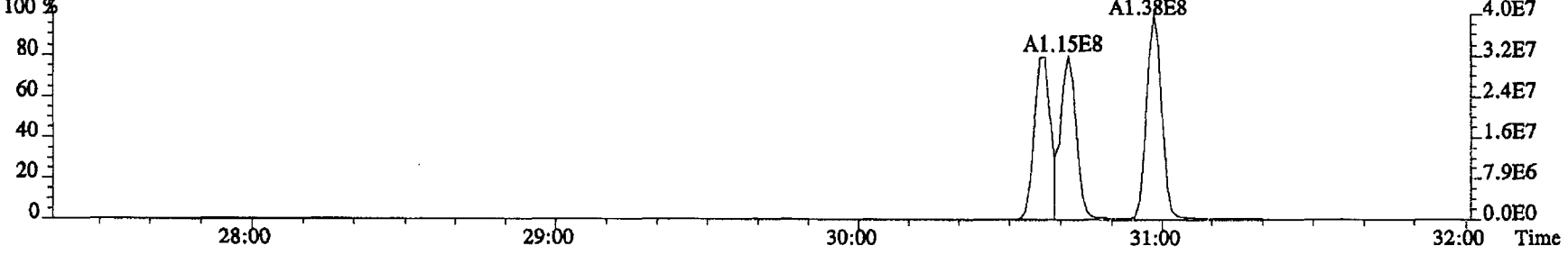
391.8127 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5996.0,1.00%,F,T)



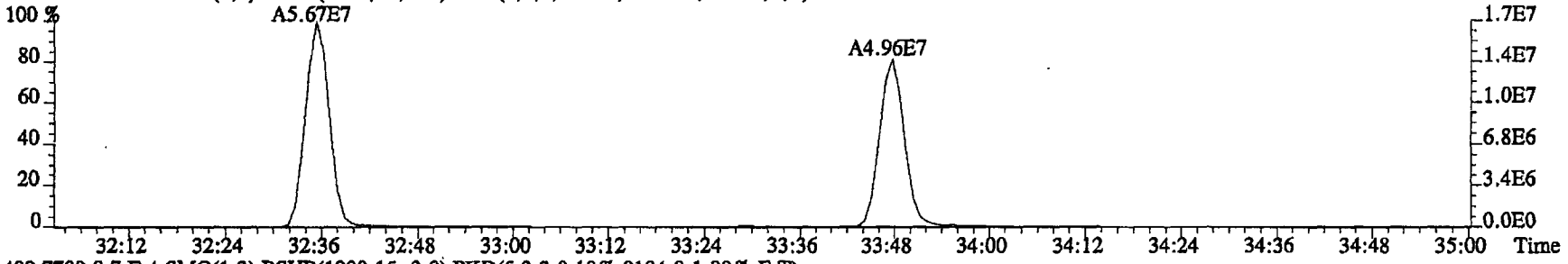
401.8559 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3048.0,1.00%,F,T)



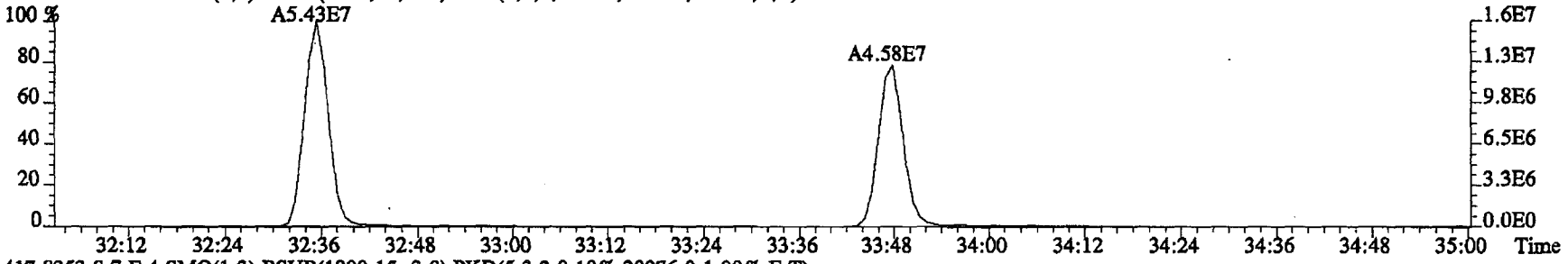
403.8529 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6996.0,1.00%,F,T)



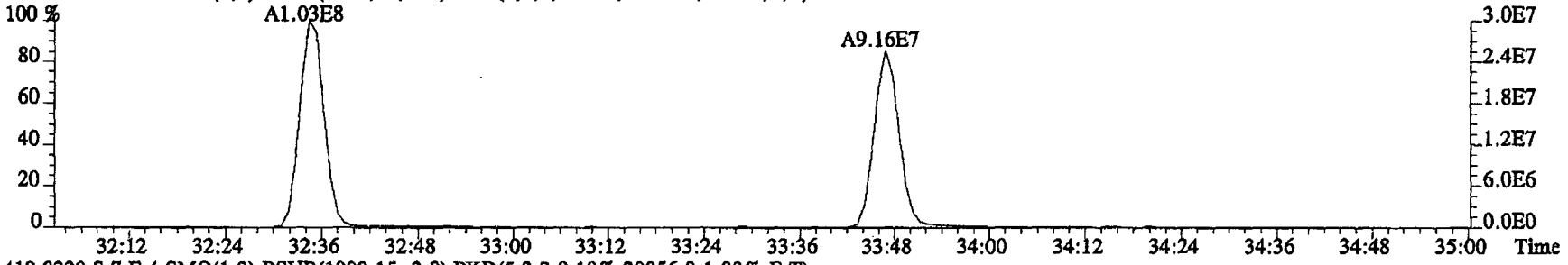
File:14SE101D5 #1-202 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13372.0,1.00%,F,T)



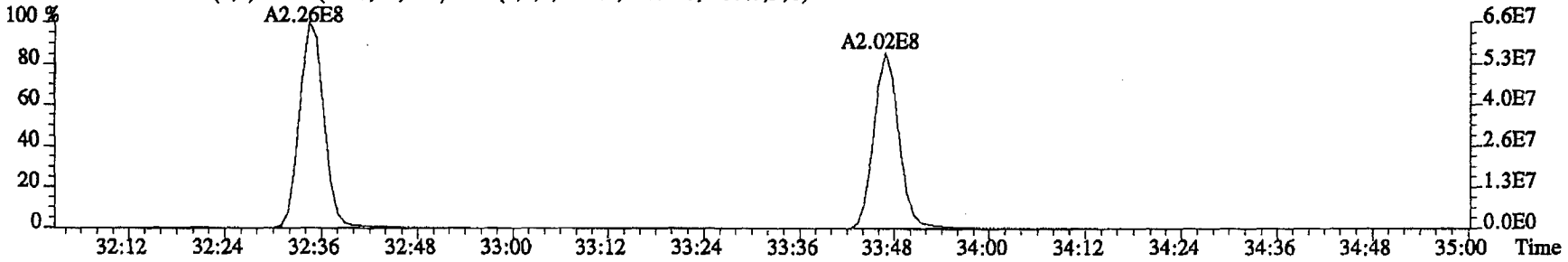
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9184.0,1.00%,F,T)



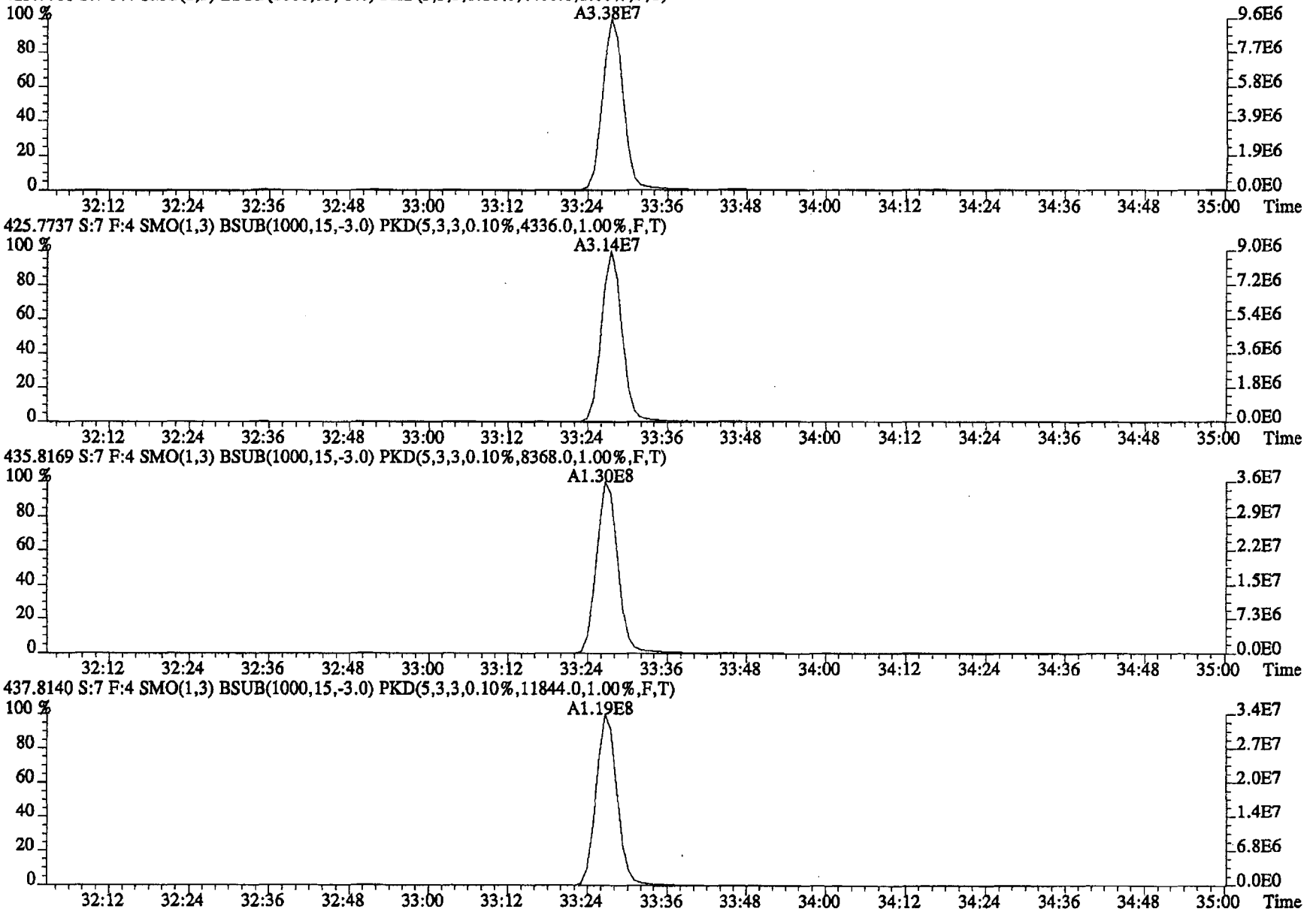
417.8253 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20976.0,1.00%,F,T)



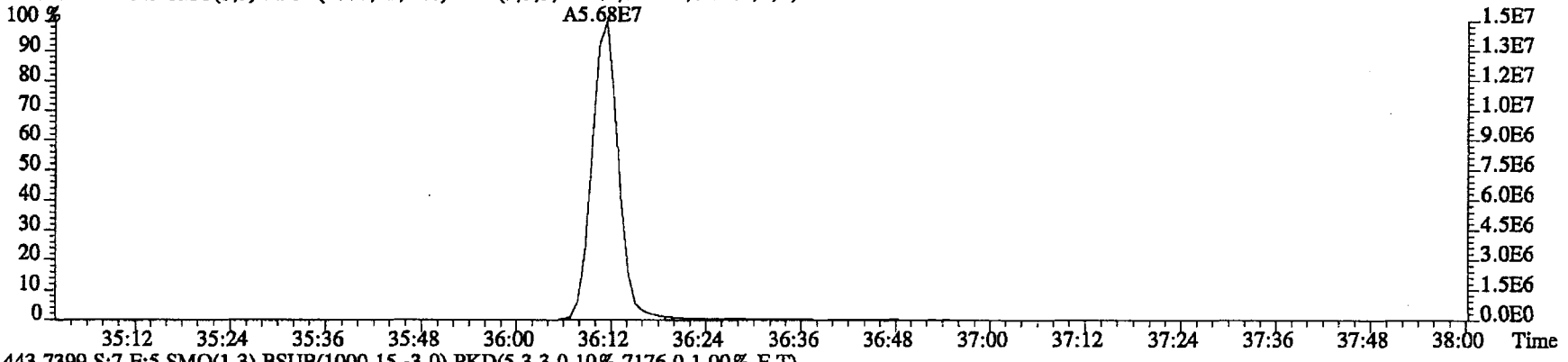
419.8220 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20056.0,1.00%,F,T)



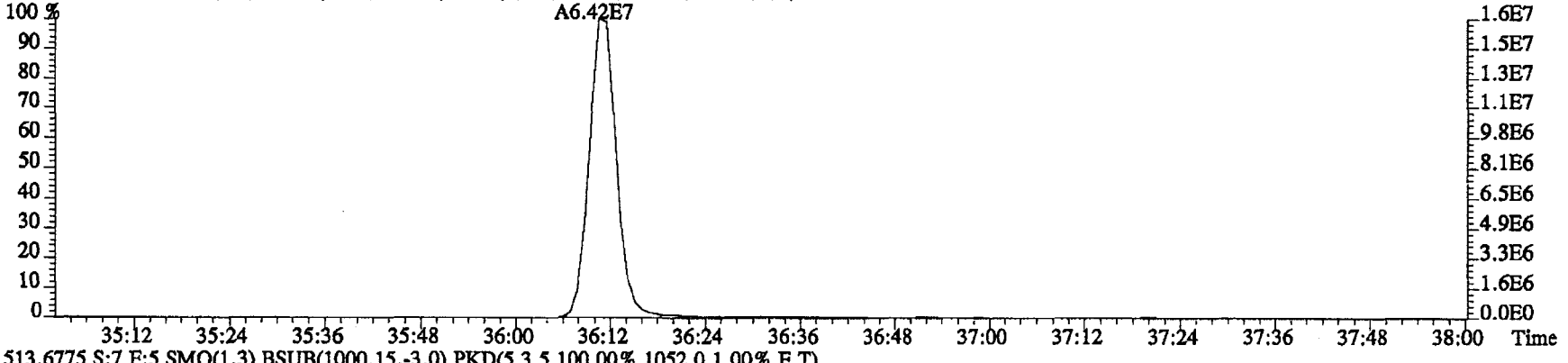
File:14SE101D5 #1-202 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES



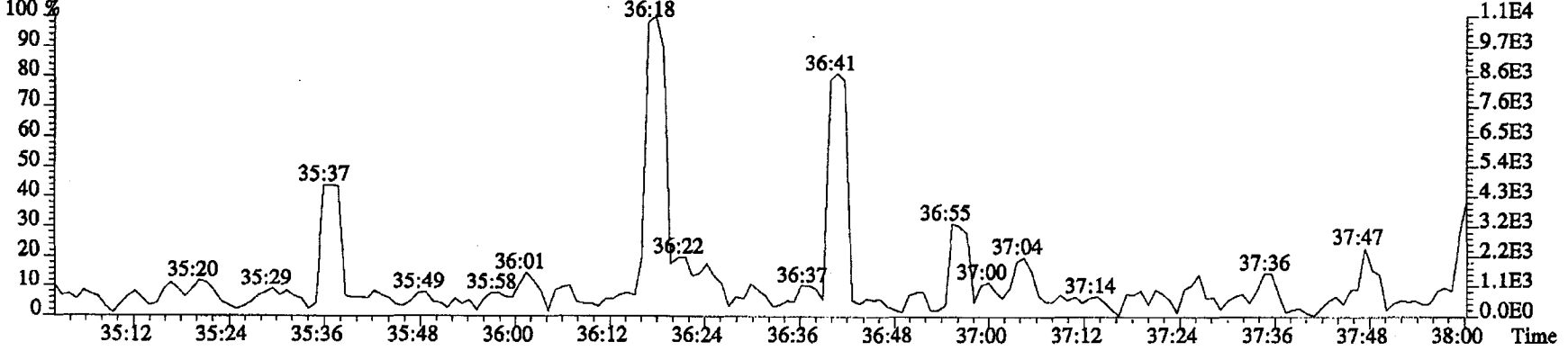
File:14SE101D5 #1-196 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5104.0,1.00%,F,T)

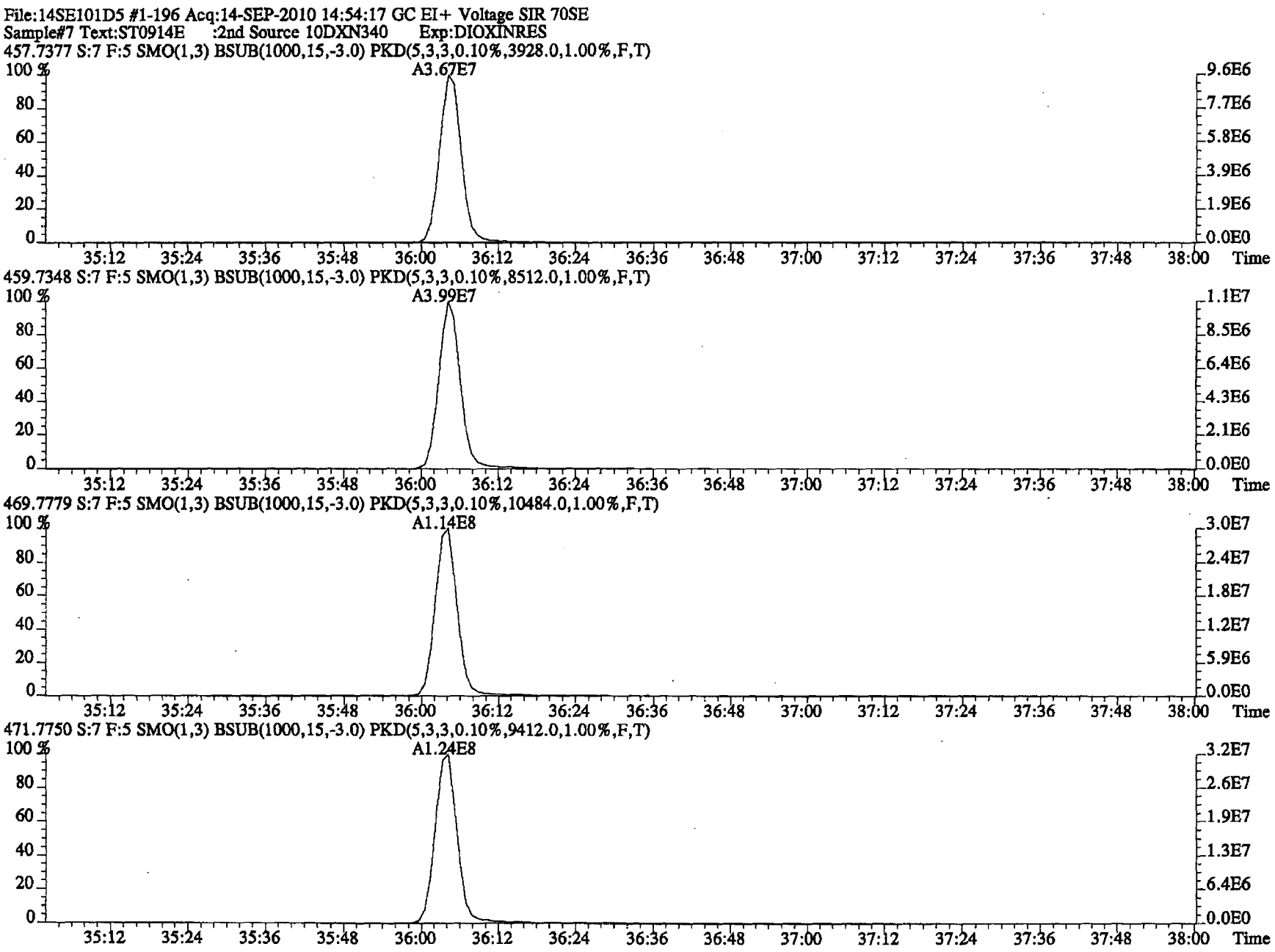


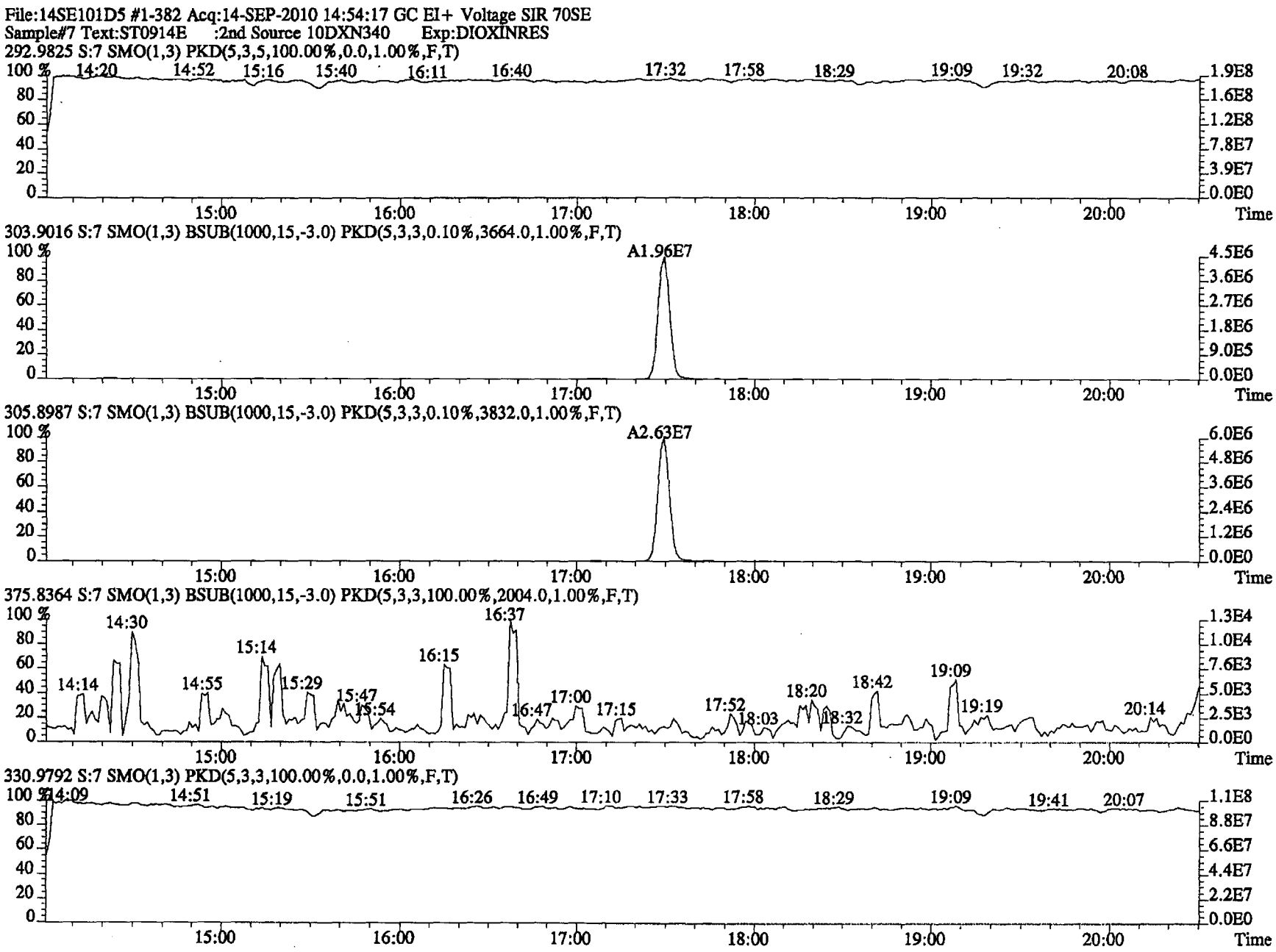
443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7176.0,1.00%,F,T)



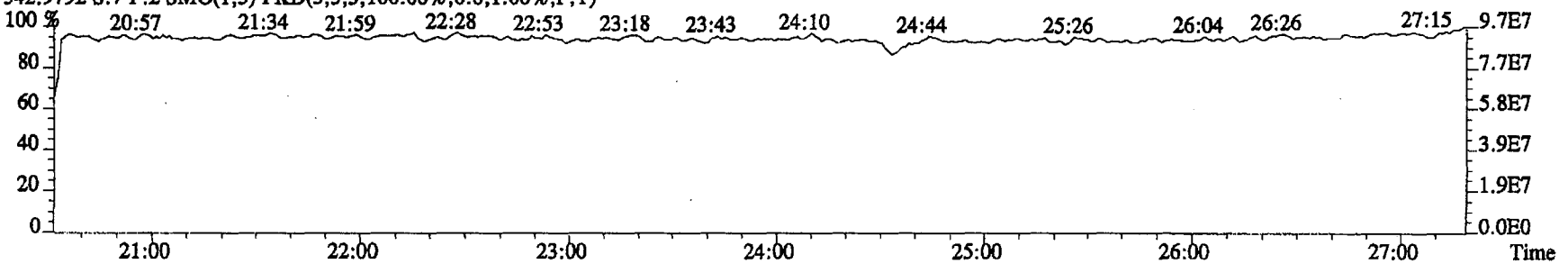
513.6775 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1052.0,1.00%,F,T)



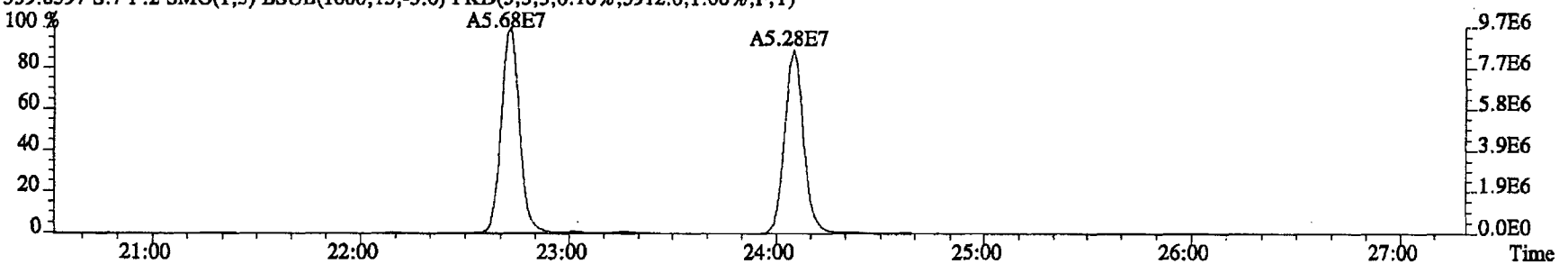

File:14SE101D5 #1-196 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3928.0,1.00%,F,T)
A3.67E7
459.7348 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8512.0,1.00%,F,T)
A3.99E7
469.7779 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10484.0,1.00%,F,T)
A1.14E8
471.7750 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9412.0,1.00%,F,T)
A1.24E8
100 %
80
60
40
20
0
35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 Time
9.6E6 7.7E6 5.8E6 3.9E6 1.9E6 0.0E0
1.1E7 8.5E6 6.4E6 4.3E6 2.1E6 0.0E0
3.0E7 2.4E7 1.8E7 1.2E7 5.9E6 0.0E0
3.2E7 2.6E7 1.9E7 1.3E7 6.4E6 0.0E0


File:14SE101D5 #1-382 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
292.9825 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3664.0,1.00%,F,T)
A1.96E7
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)
A2.63E7
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2004.0,1.00%,F,T)
330.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
Time

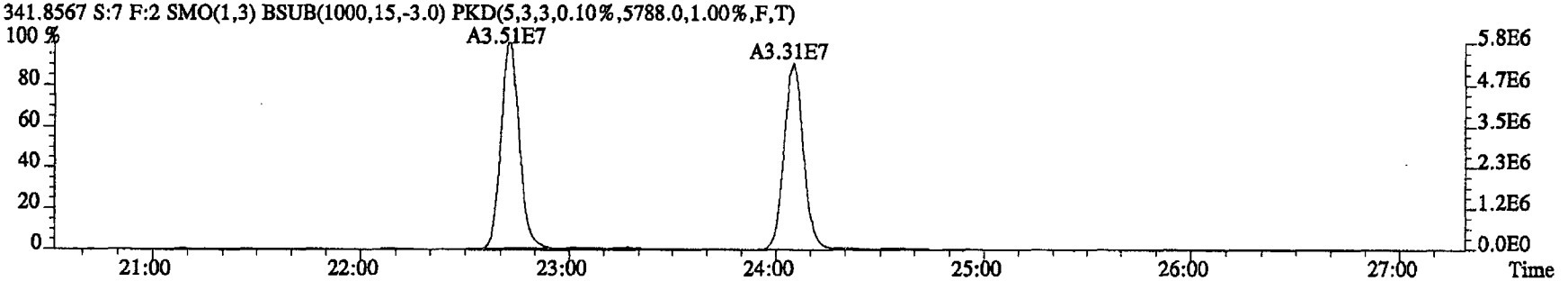
File:14SE101D5 #1-423 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
342.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



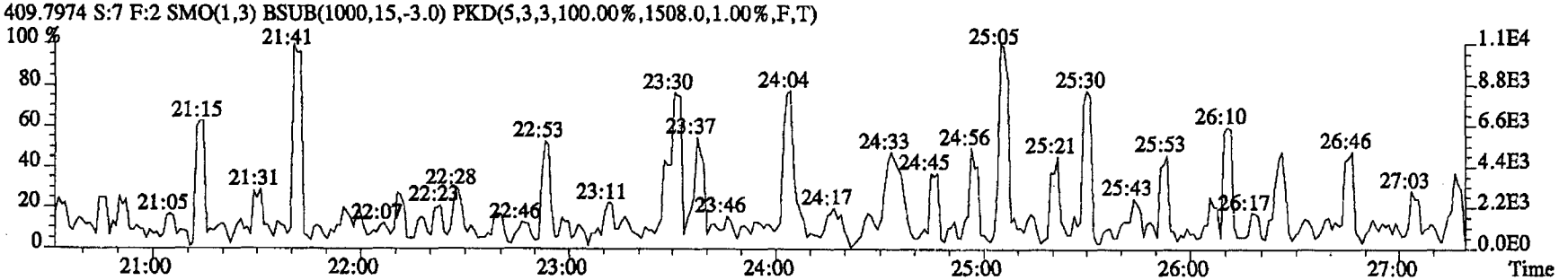
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5912.0,1.00%,F,T)

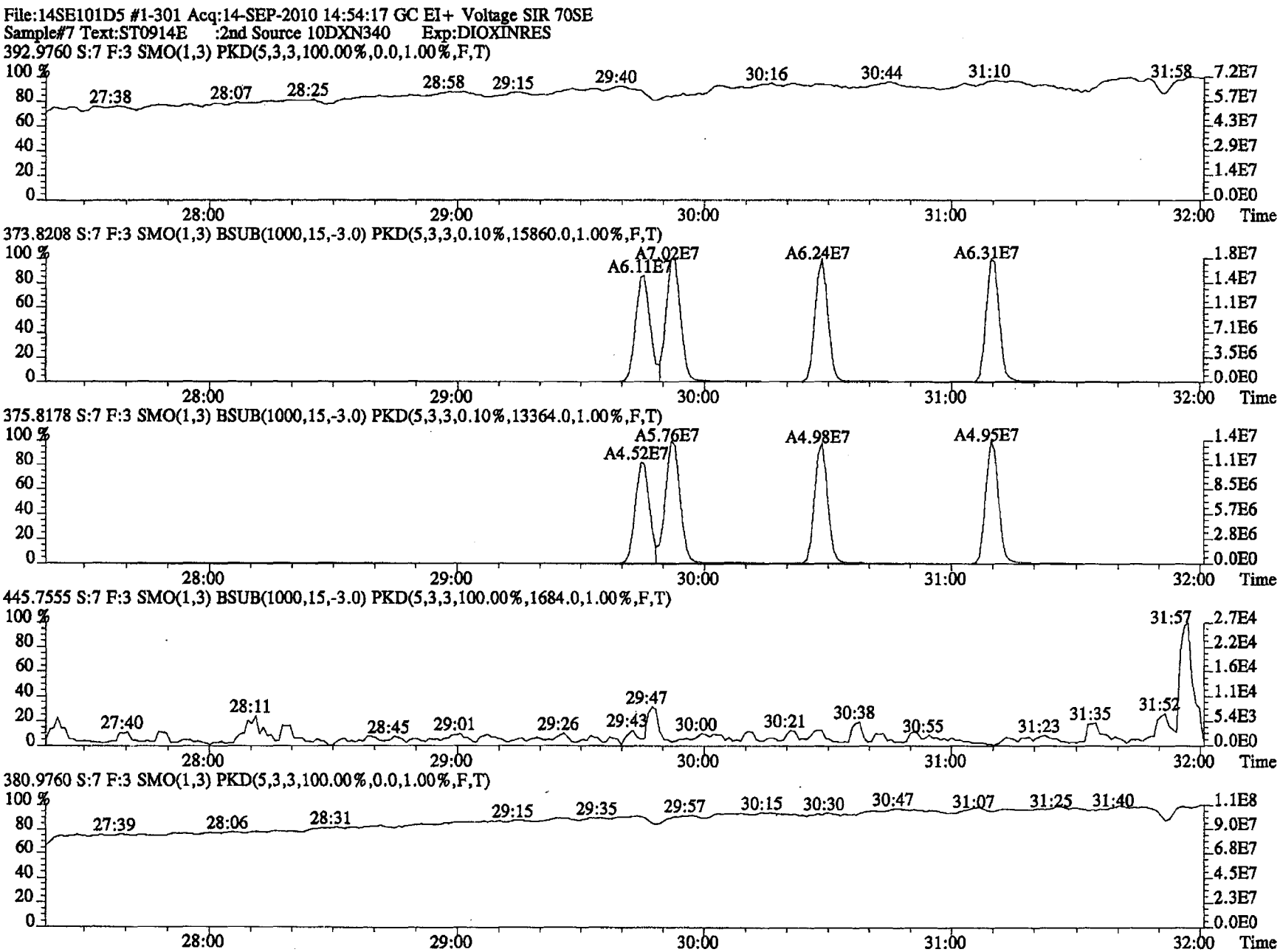


341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5788.0,1.00%,F,T)

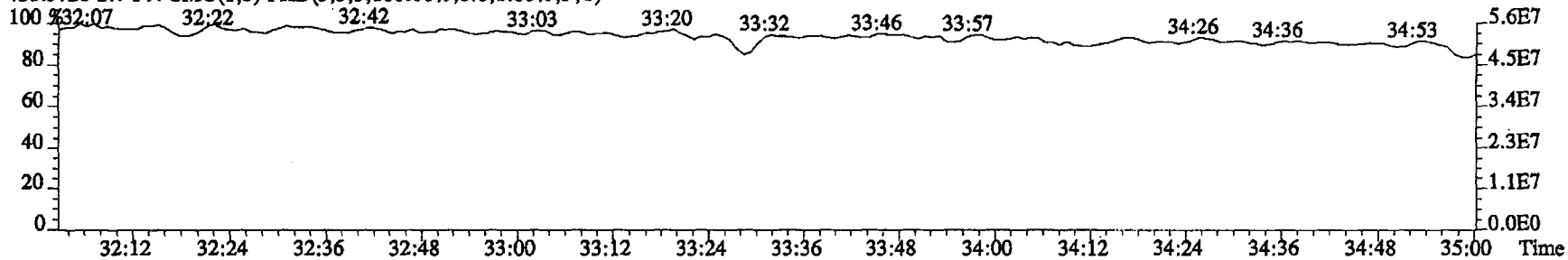


409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1508.0,1.00%,F,T)

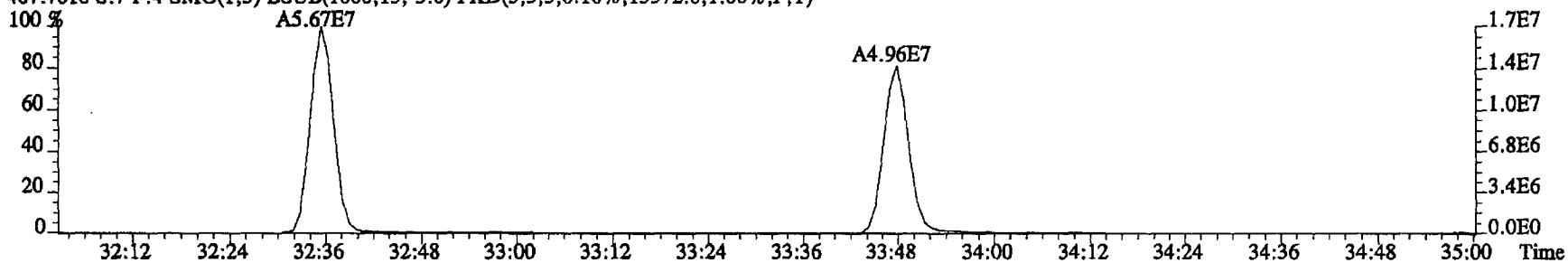




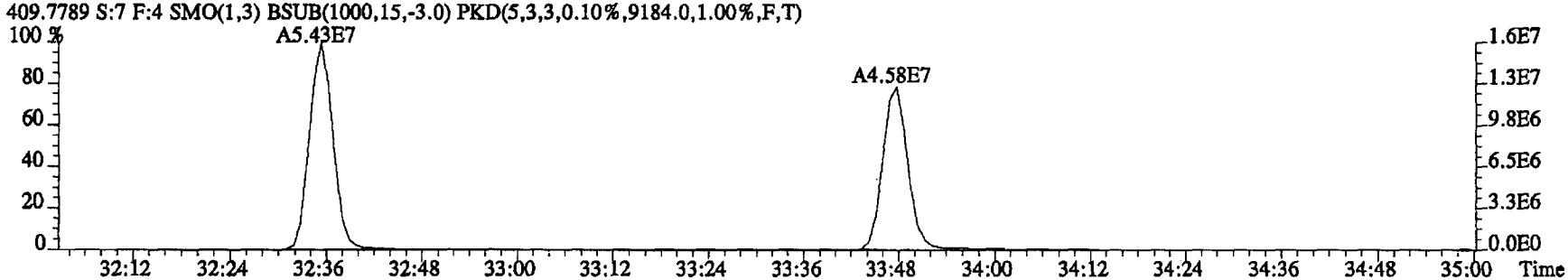
File:14SE101D5 #1-202 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



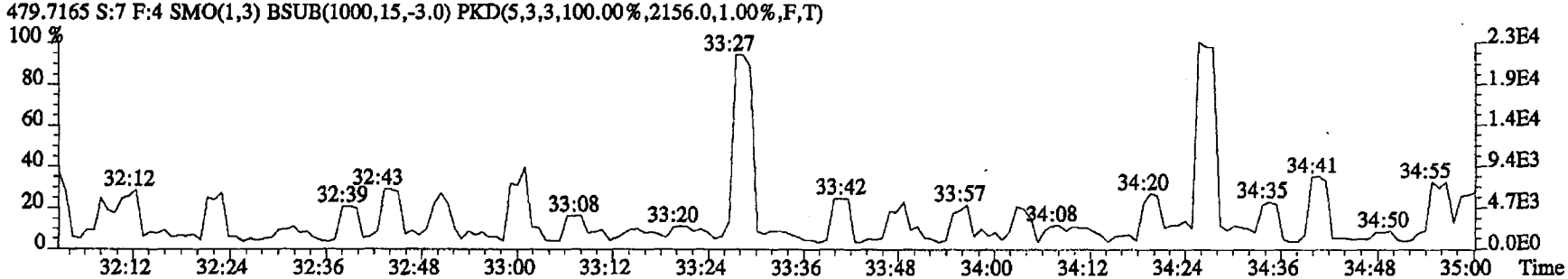
407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13372.0,1.00%,F,T)



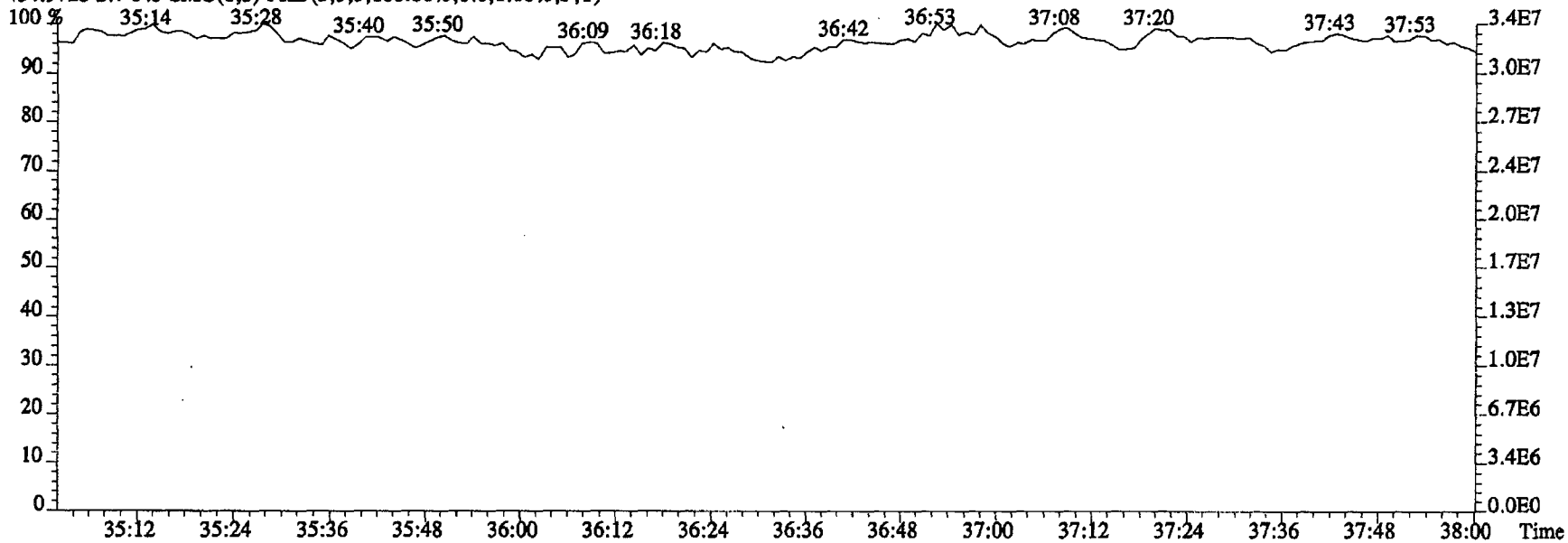
409.7789 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9184.0,1.00%,F,T)



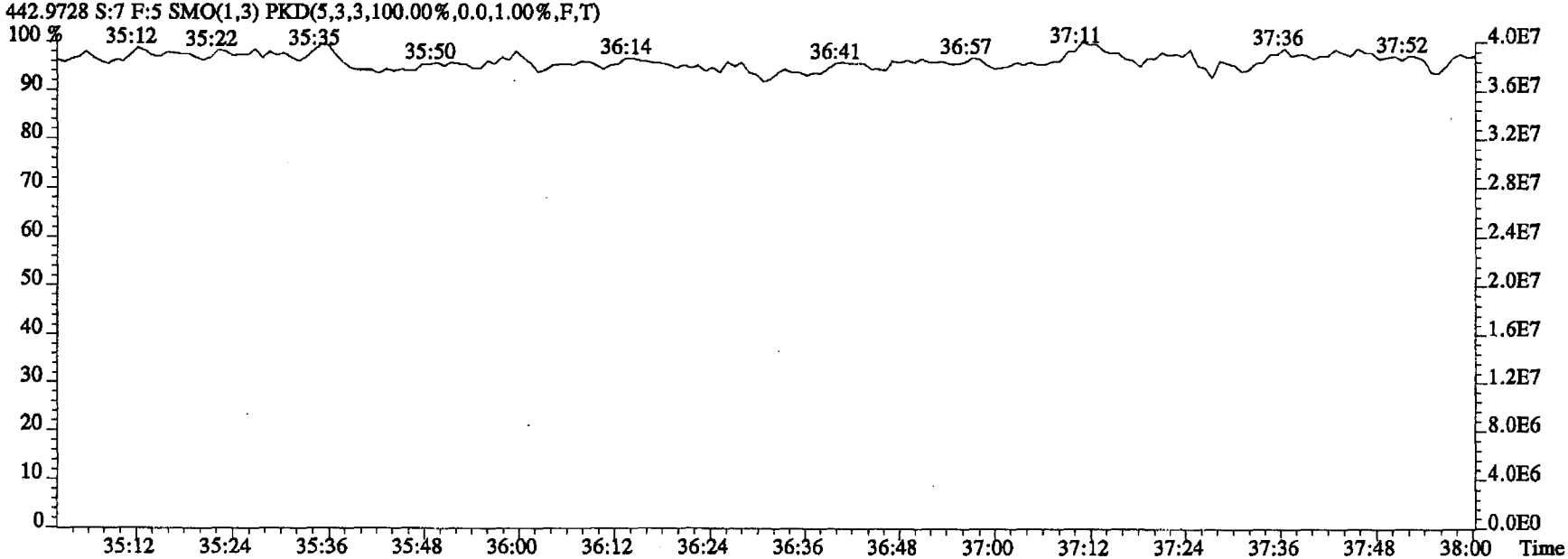
479.7165 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2156.0,1.00%,F,T)



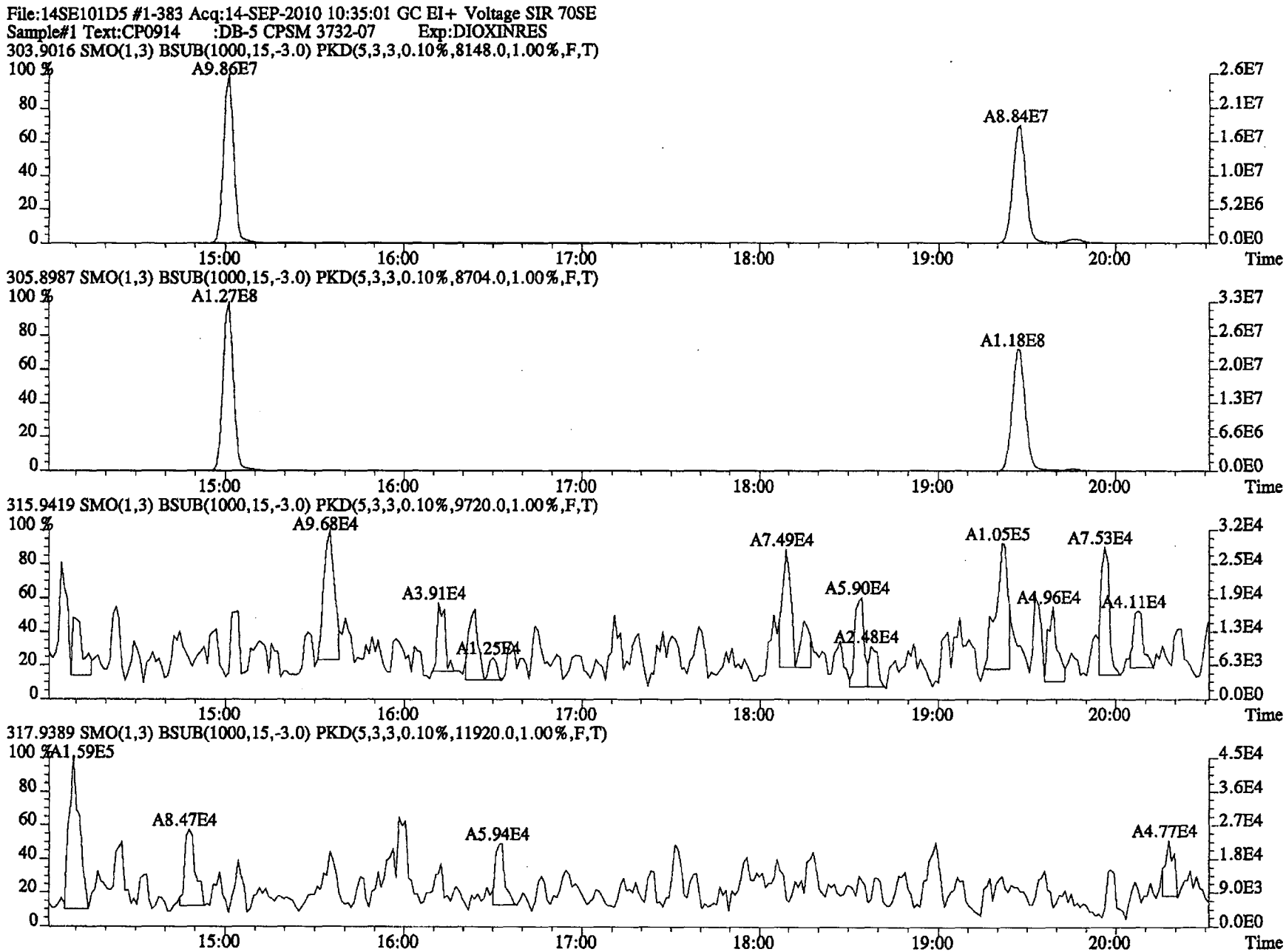
File:14SE101D5 #1-196 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
454.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

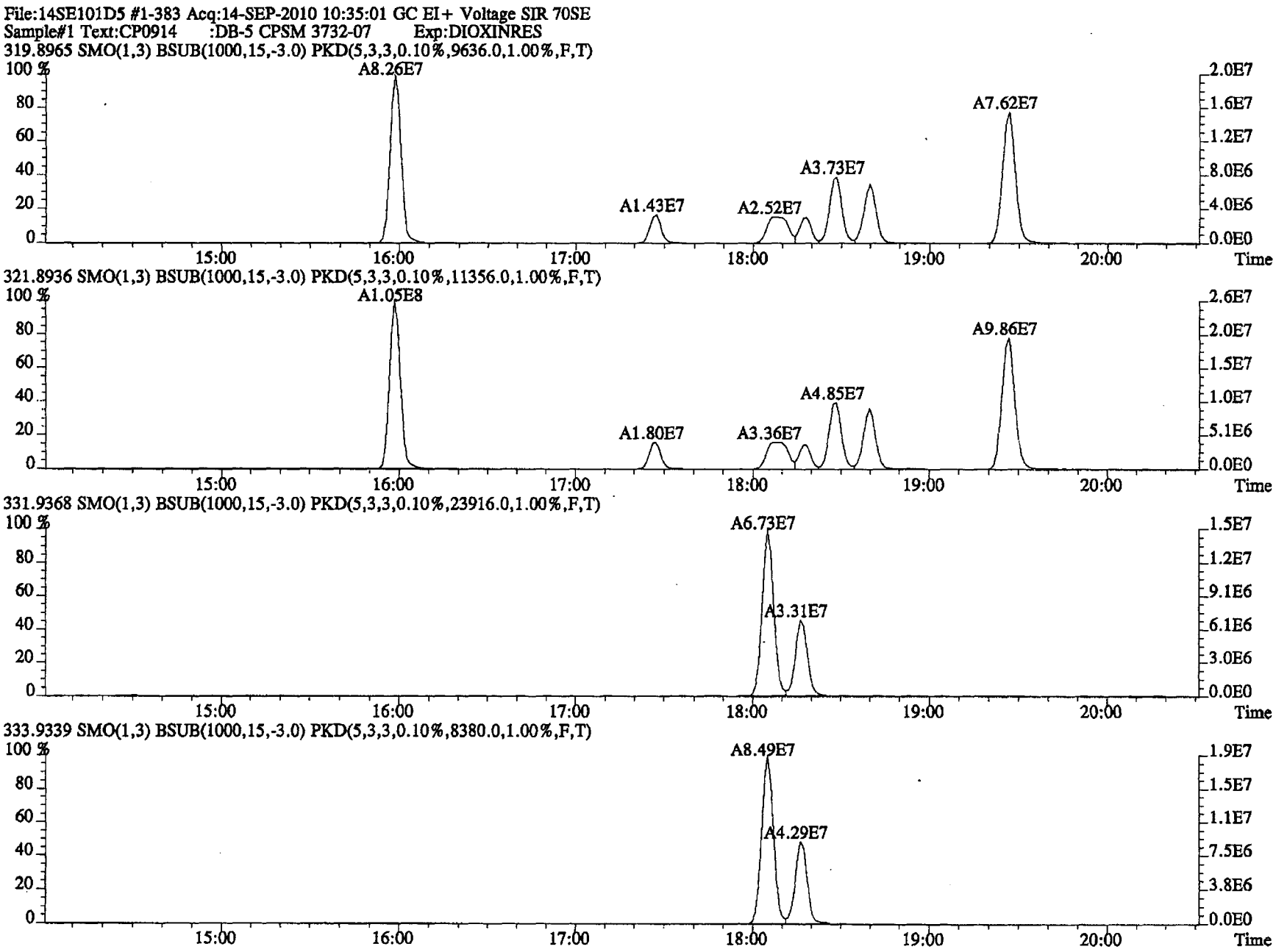


442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

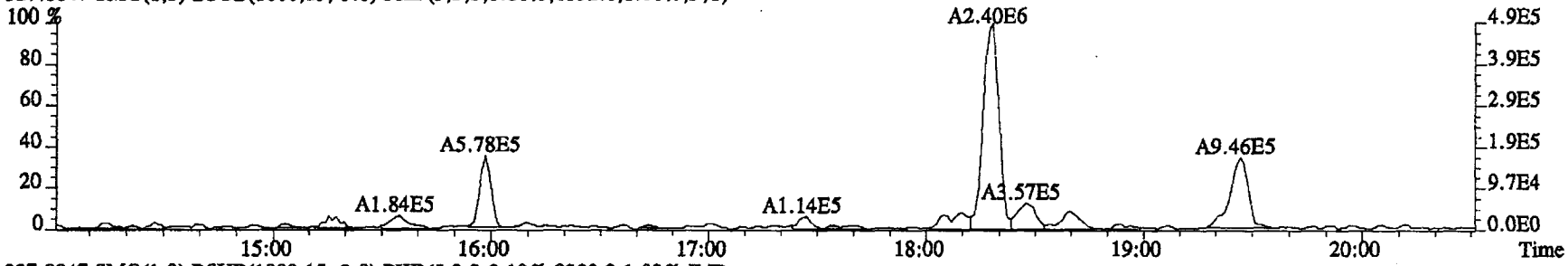


File:14SE101D5 #1-383 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES

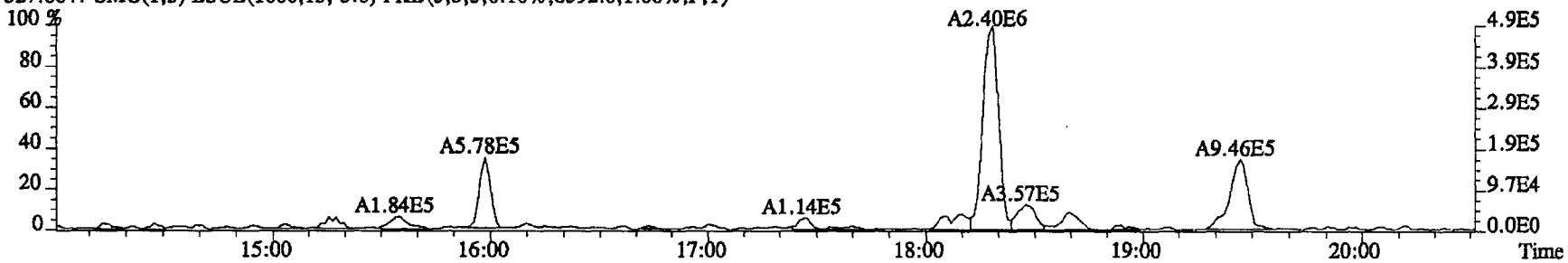




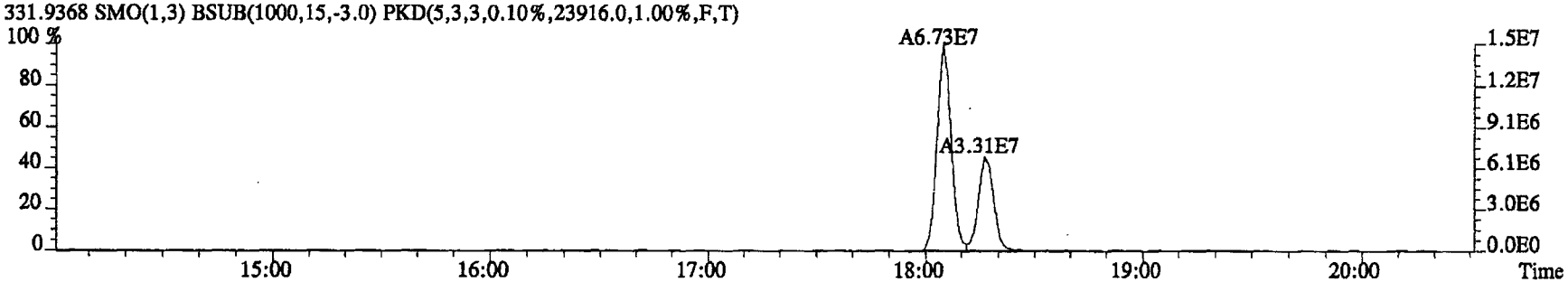
File:14SE101D5 #1-383 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8392.0,1.00%,F,T)



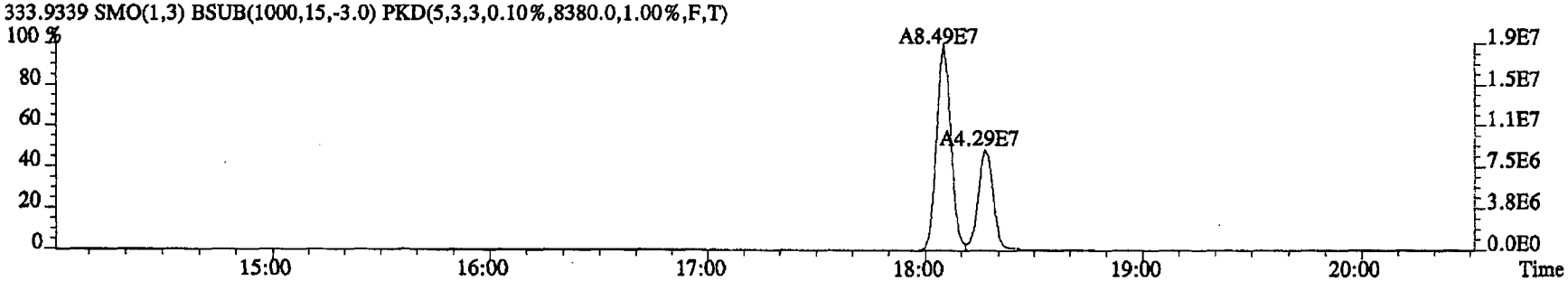
327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8392.0,1.00%,F,T)

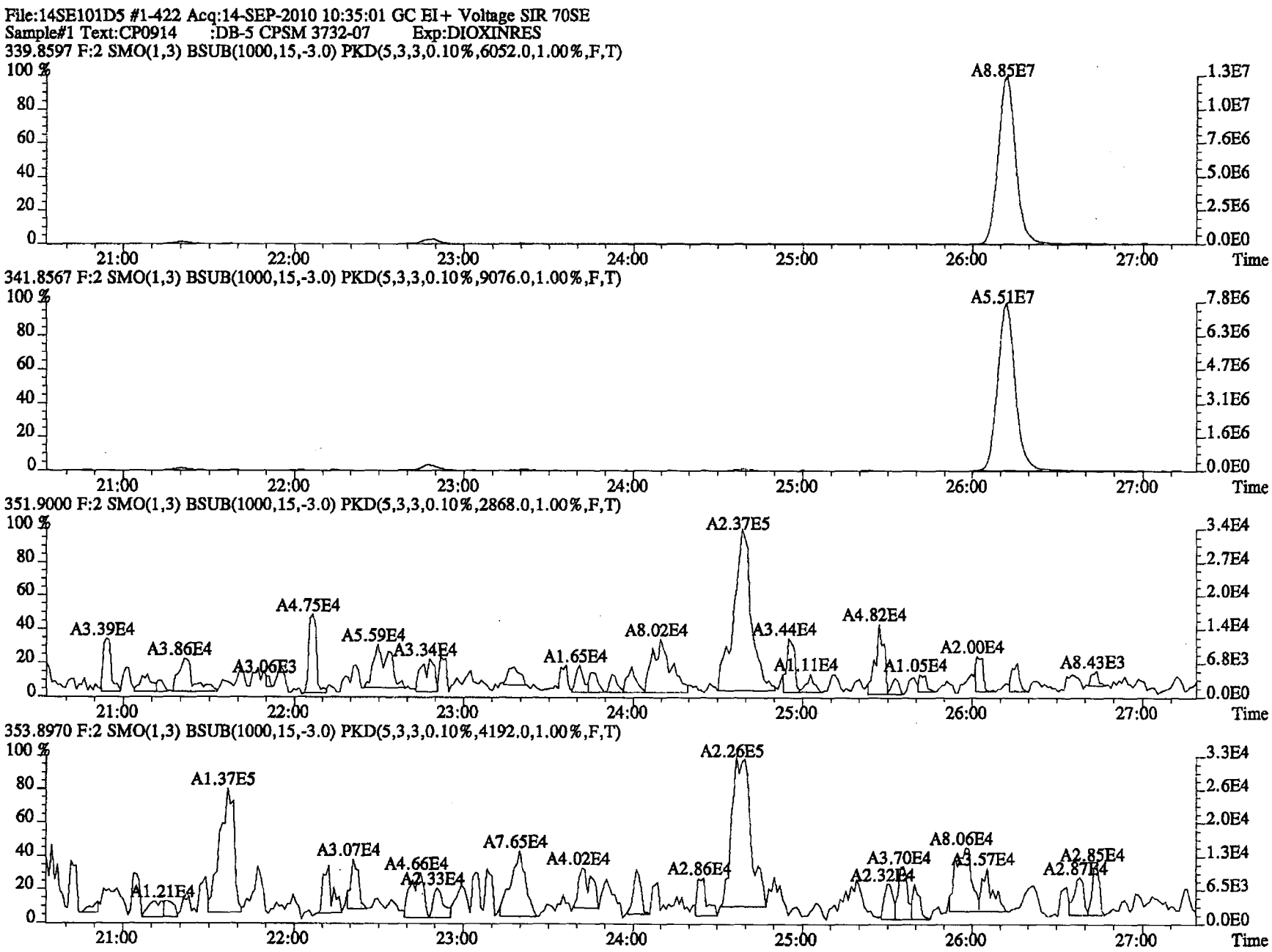


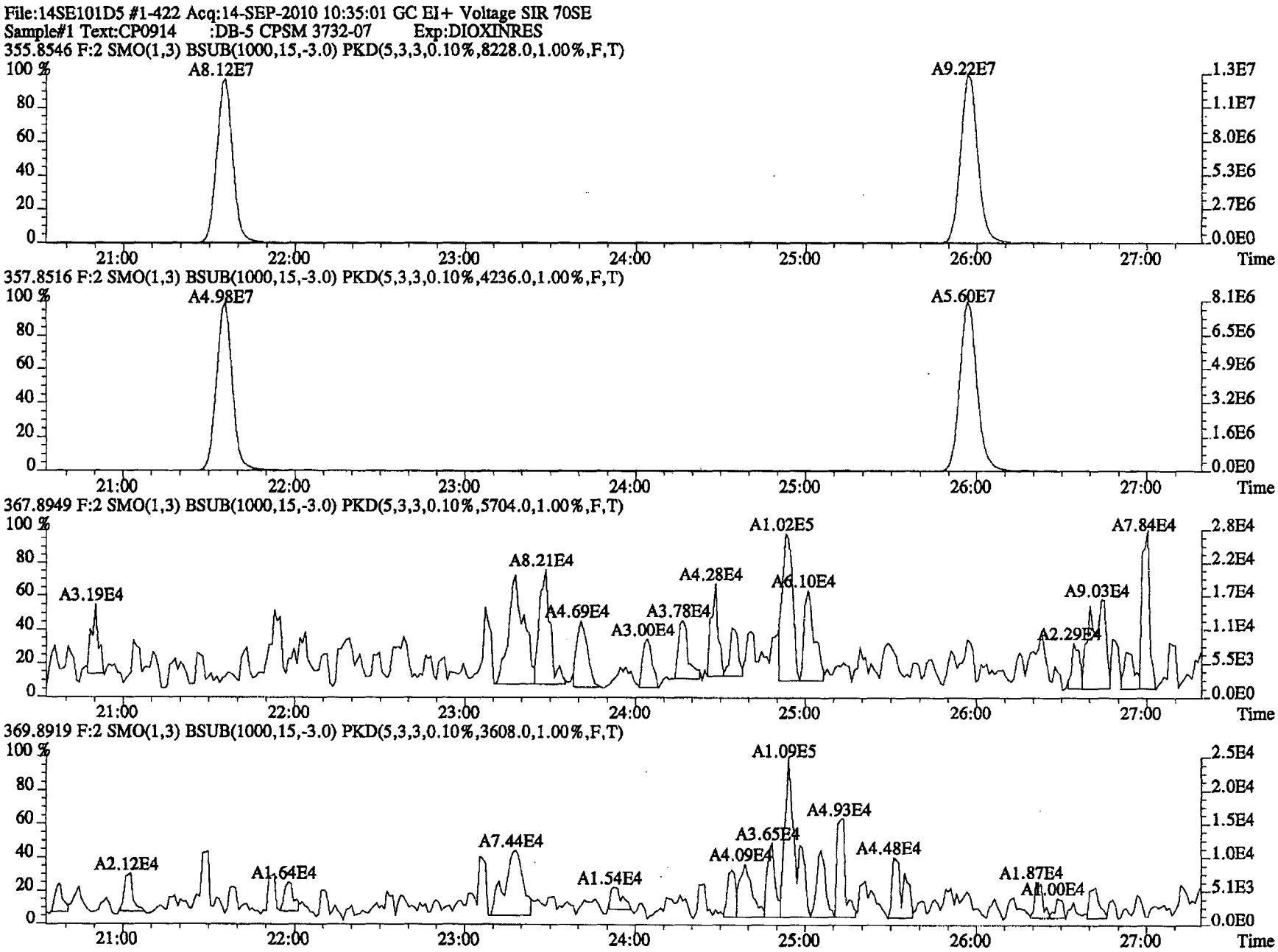
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23916.0,1.00%,F,T)

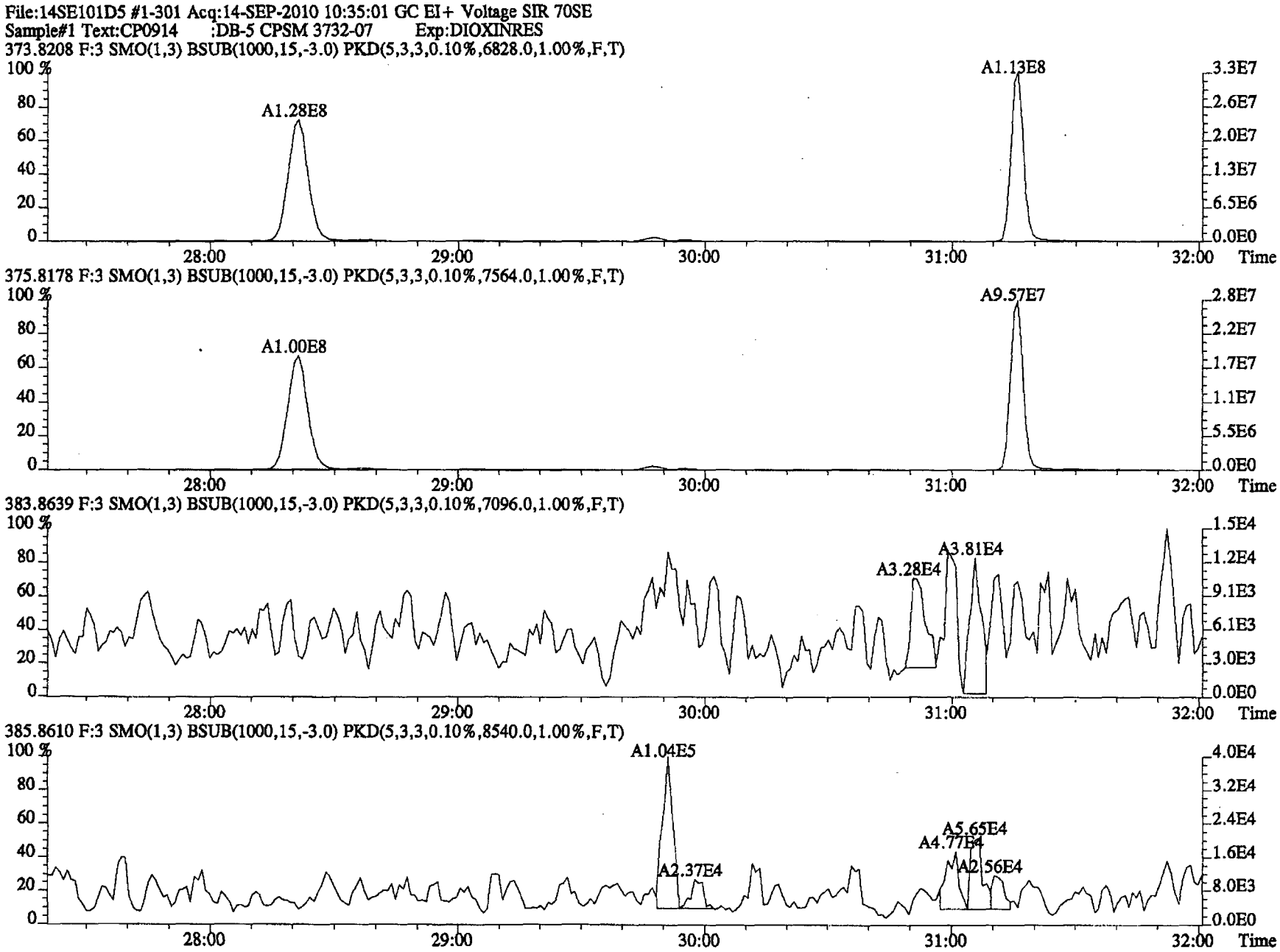


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8380.0,1.00%,F,T)

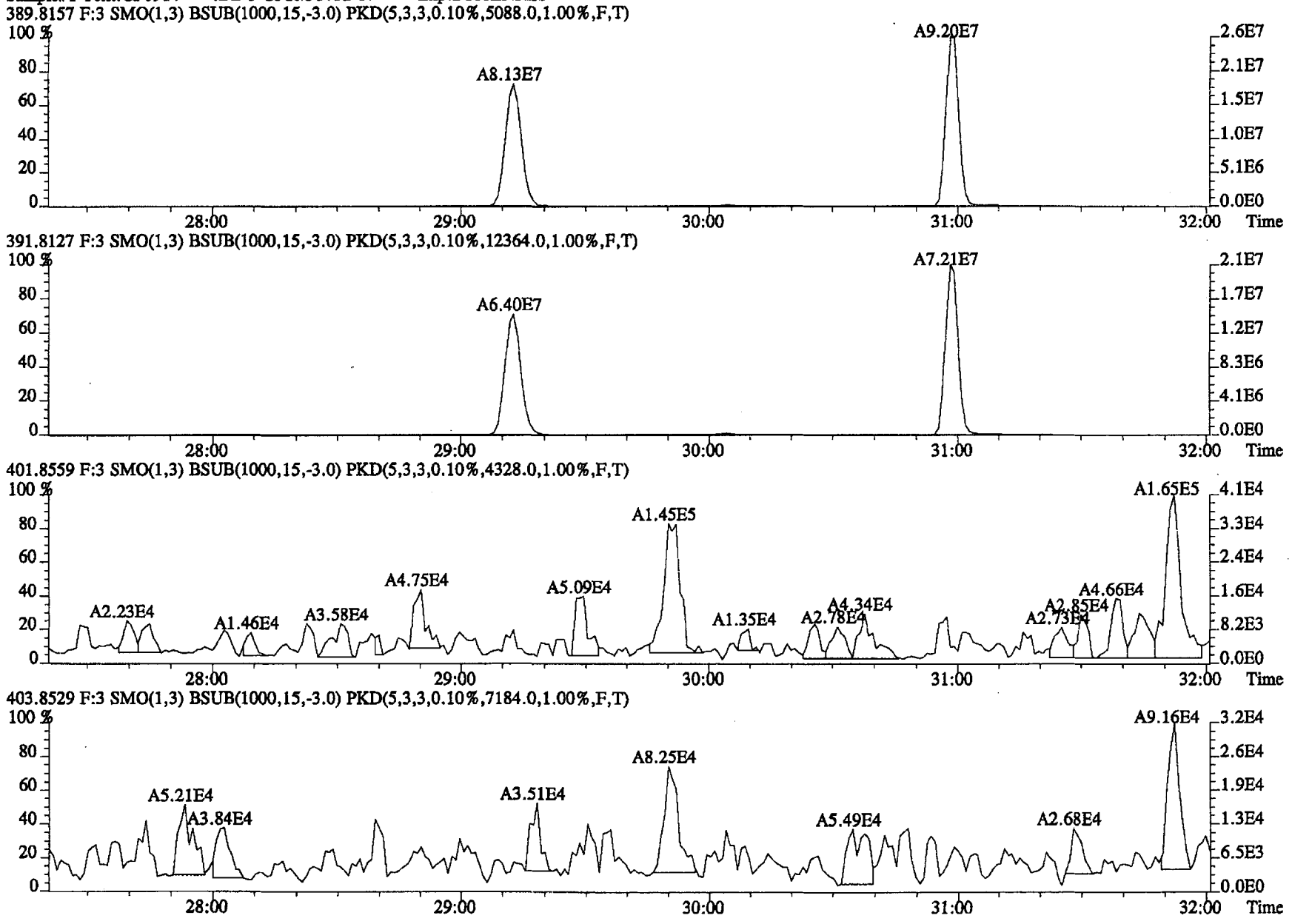




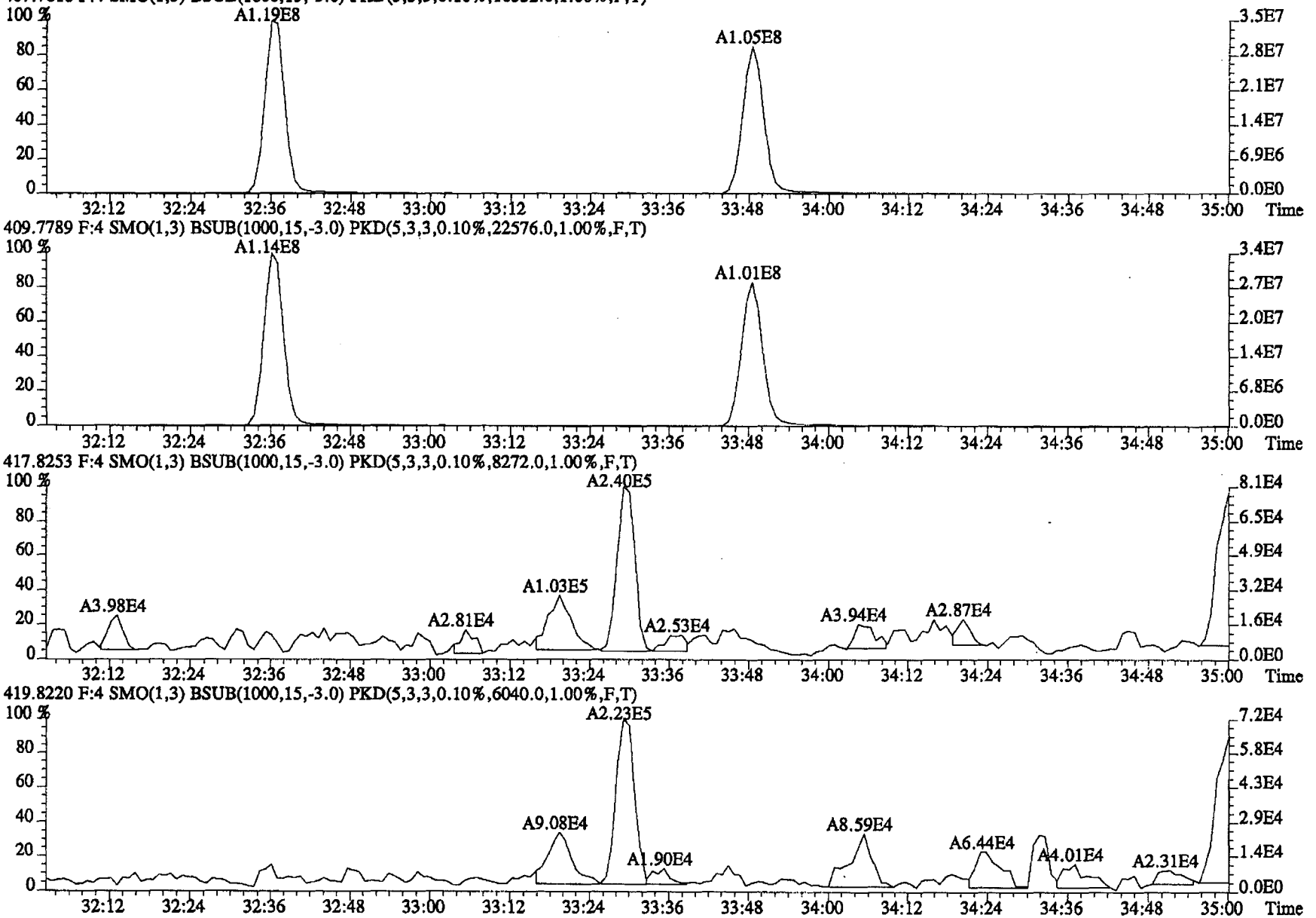




File:14SE101D5 #1-301 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES

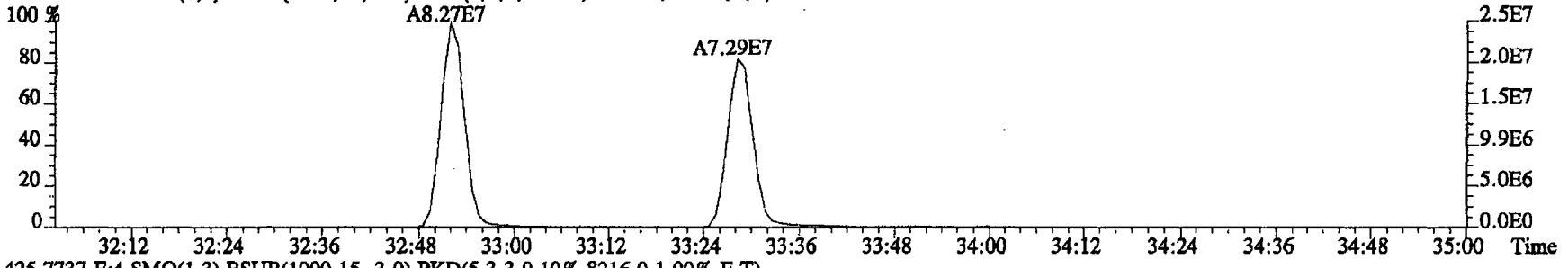


File:14SE101D5 #1-202 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES

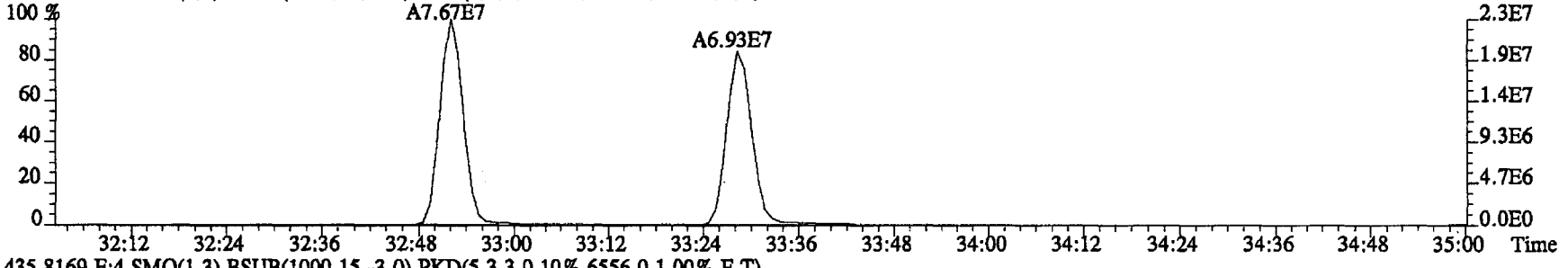


File:14SE101D5 #1-202 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES

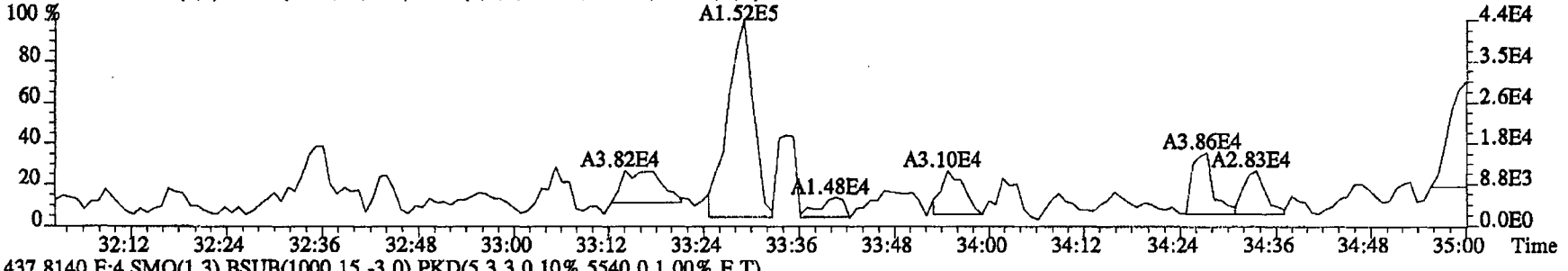
423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11300.0,1.00%,F,T)



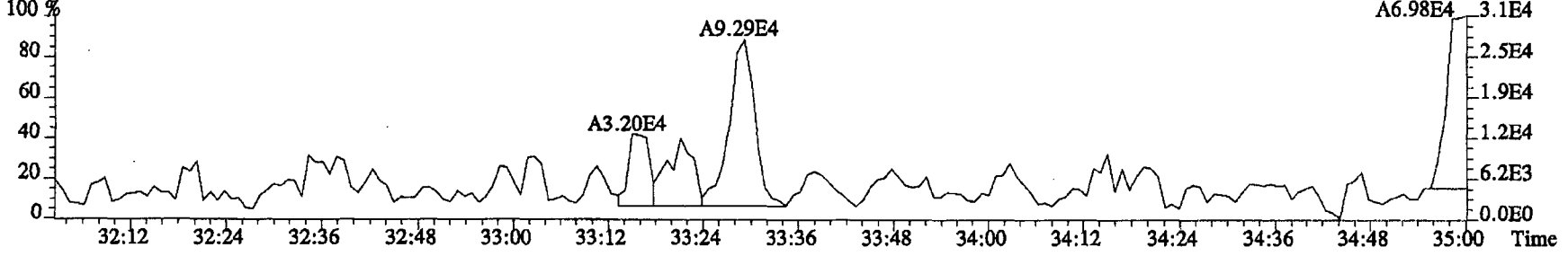
425.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8216.0,1.00%,F,T)



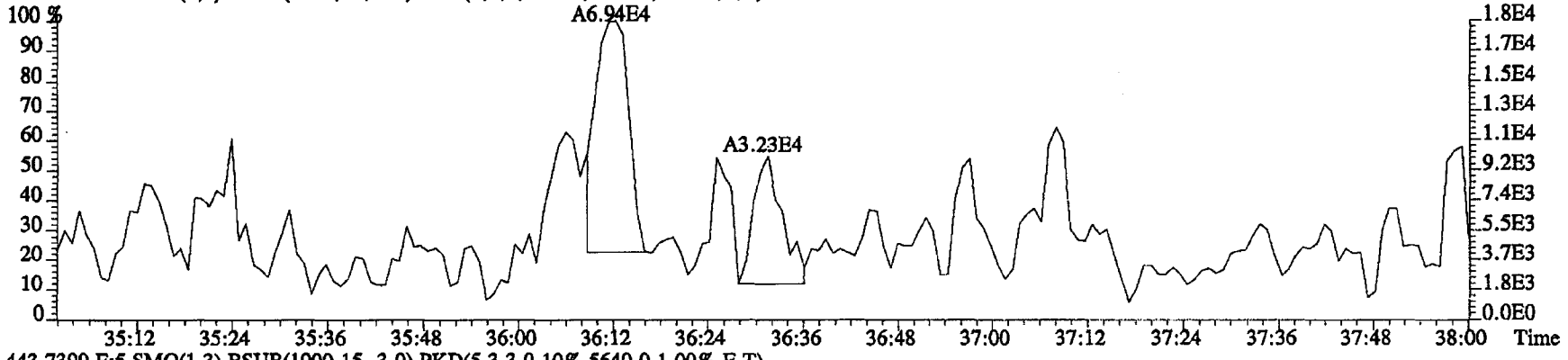
435.8169 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6556.0,1.00%,F,T)



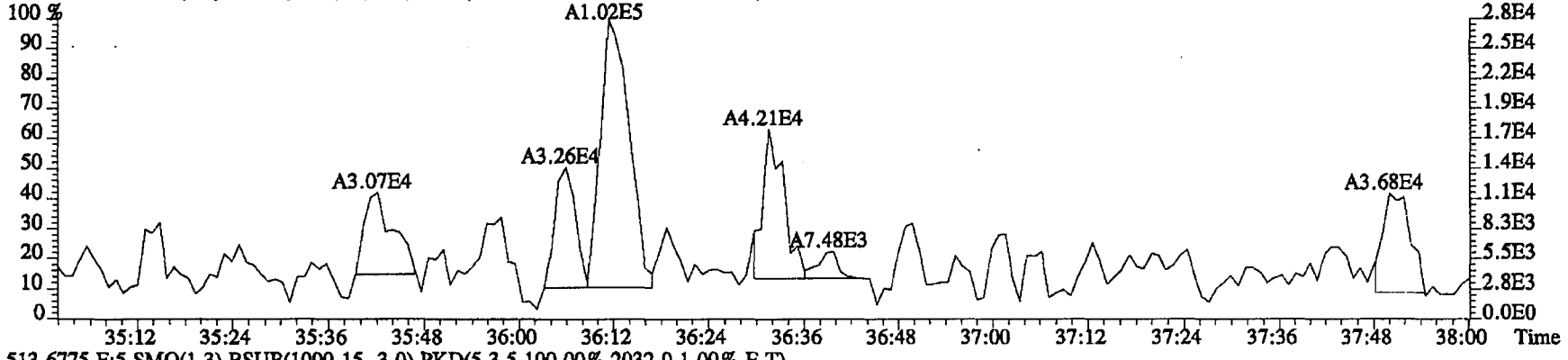
437.8140 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5540.0,1.00%,F,T)



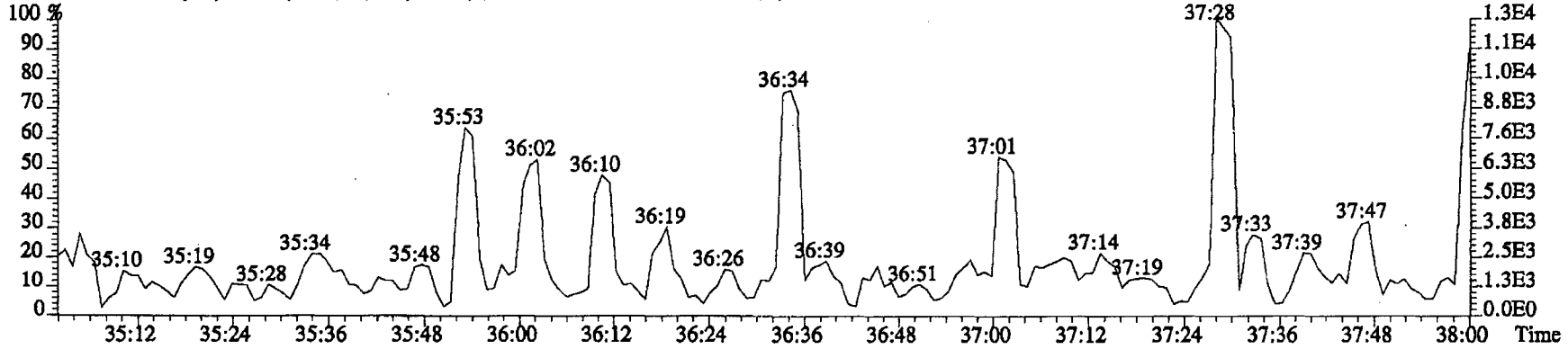
File:14SE101D5 #1-196 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5588.0,1.00%,F,T)



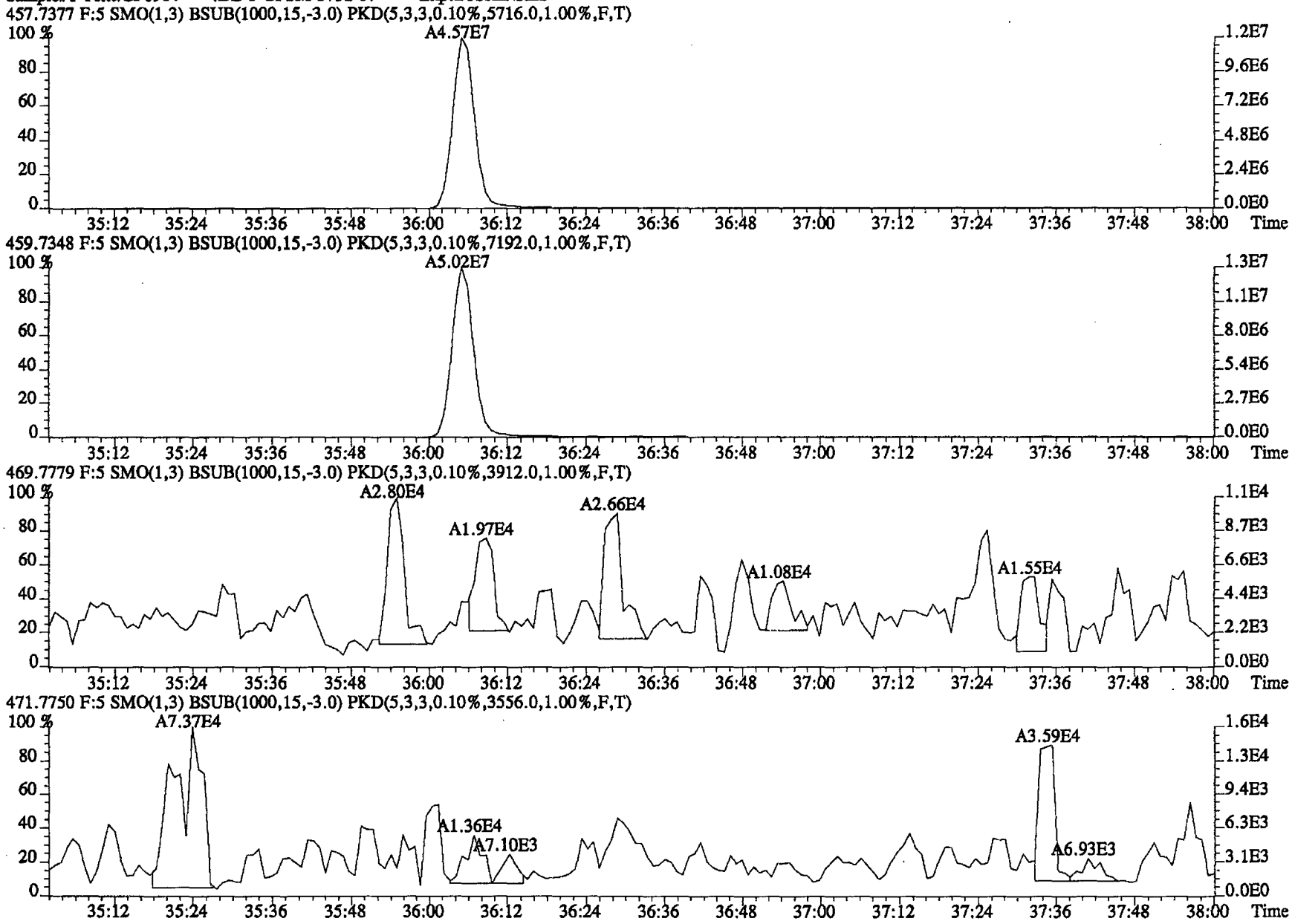
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5640.0,1.00%,F,T)

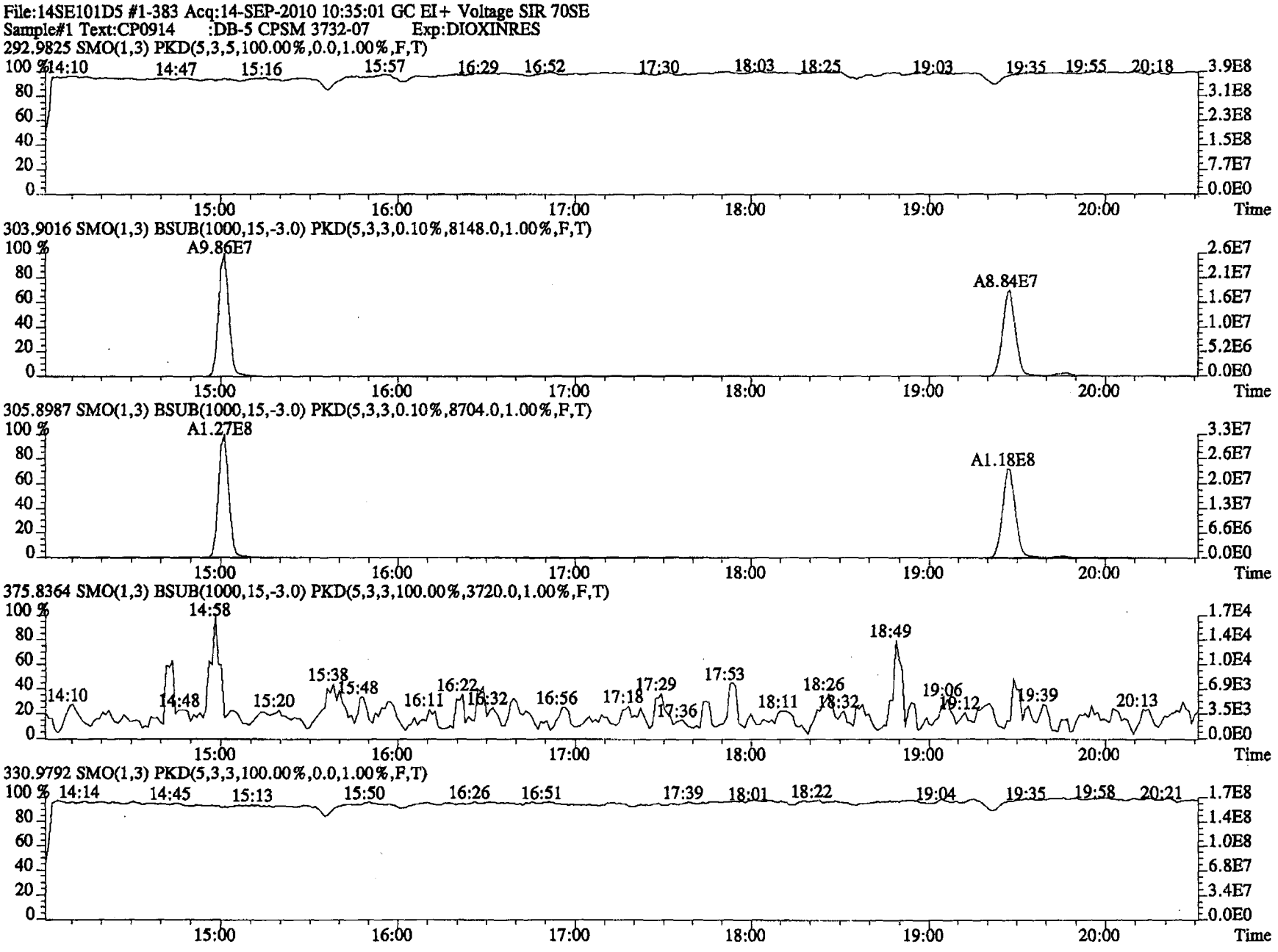


513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,2032.0,1.00%,F,T)

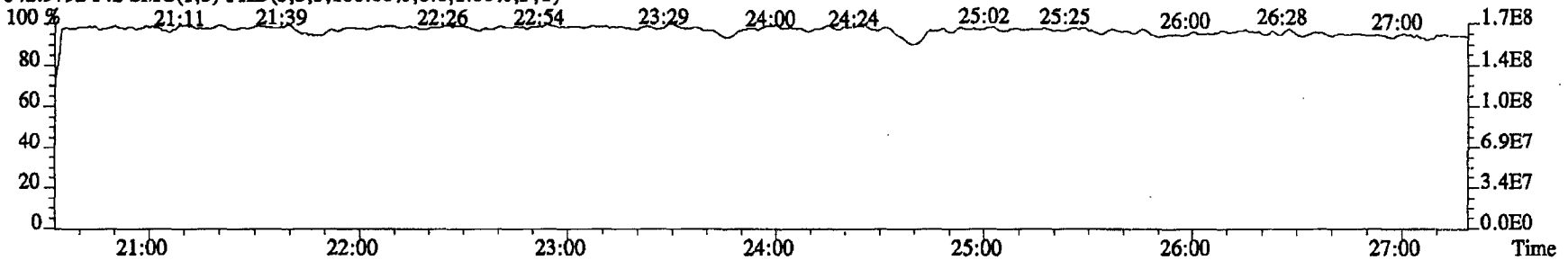


File:14SE101D5 #1-196 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES

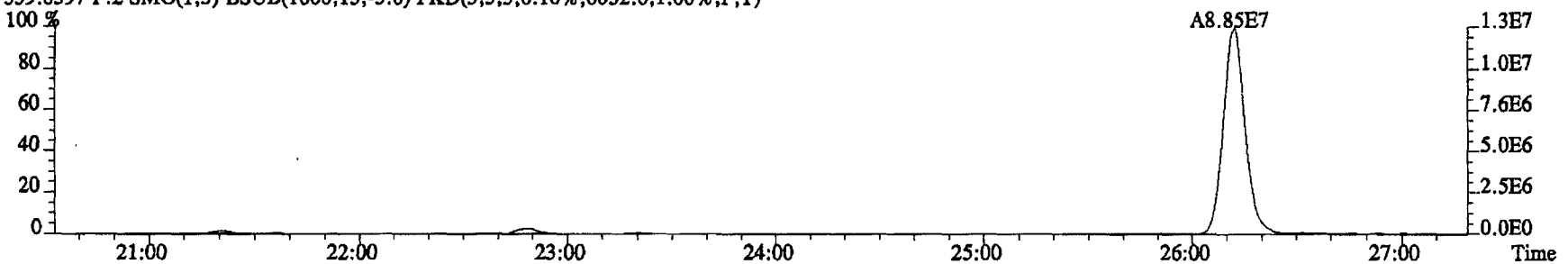




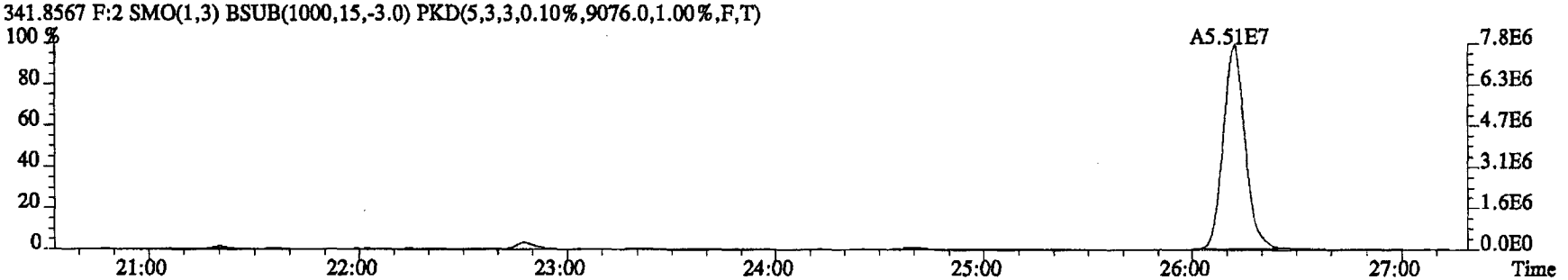
File:14SE101D5 #1-422 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



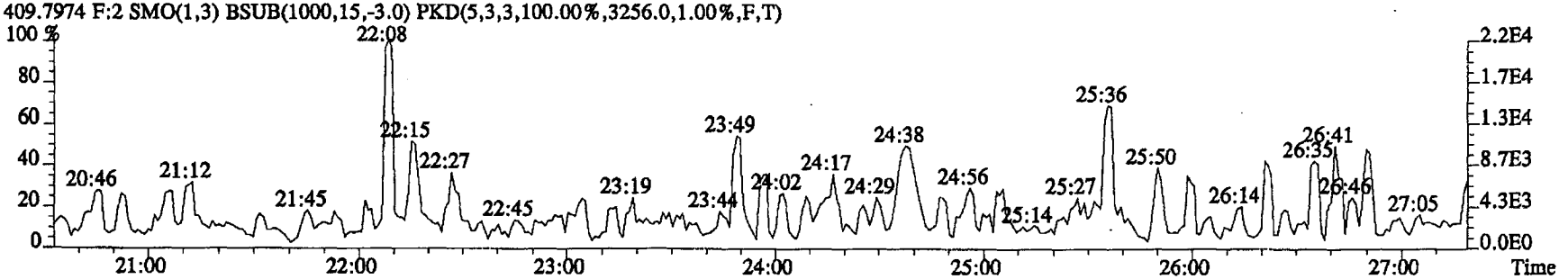
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6052.0,1.00%,F,T)



341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9076.0,1.00%,F,T)

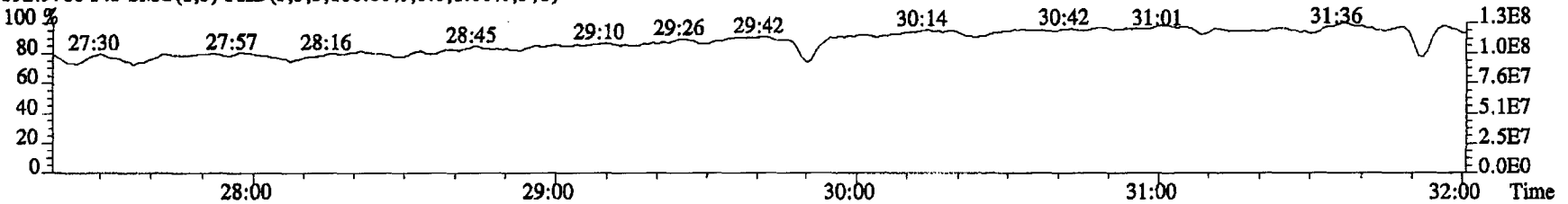


409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3256.0,1.00%,F,T)



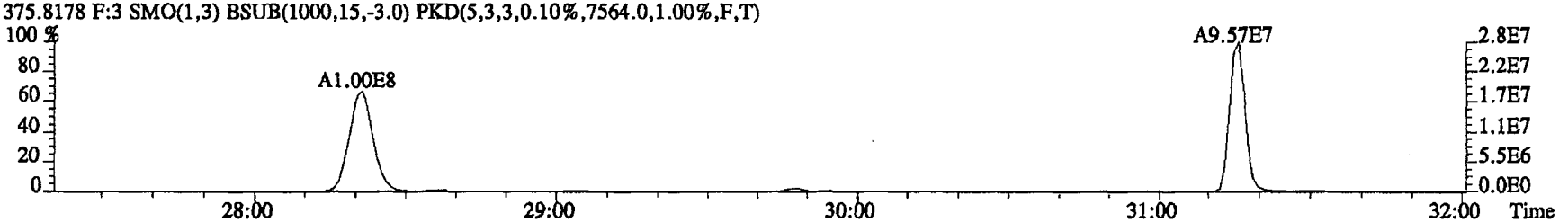
File:14SE101D5 #1-301 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES

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

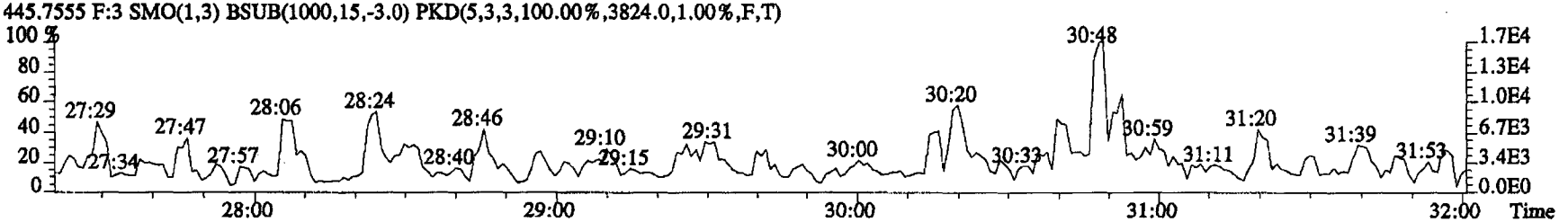


373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6828.0,1.00%,F,T)

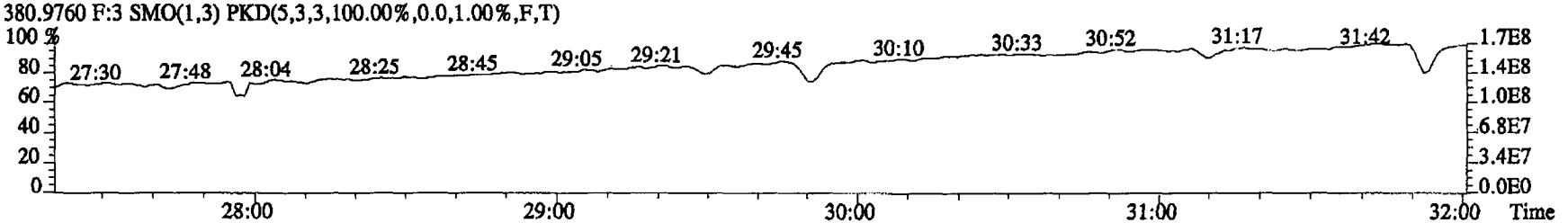
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7564.0,1.00%,F,T)

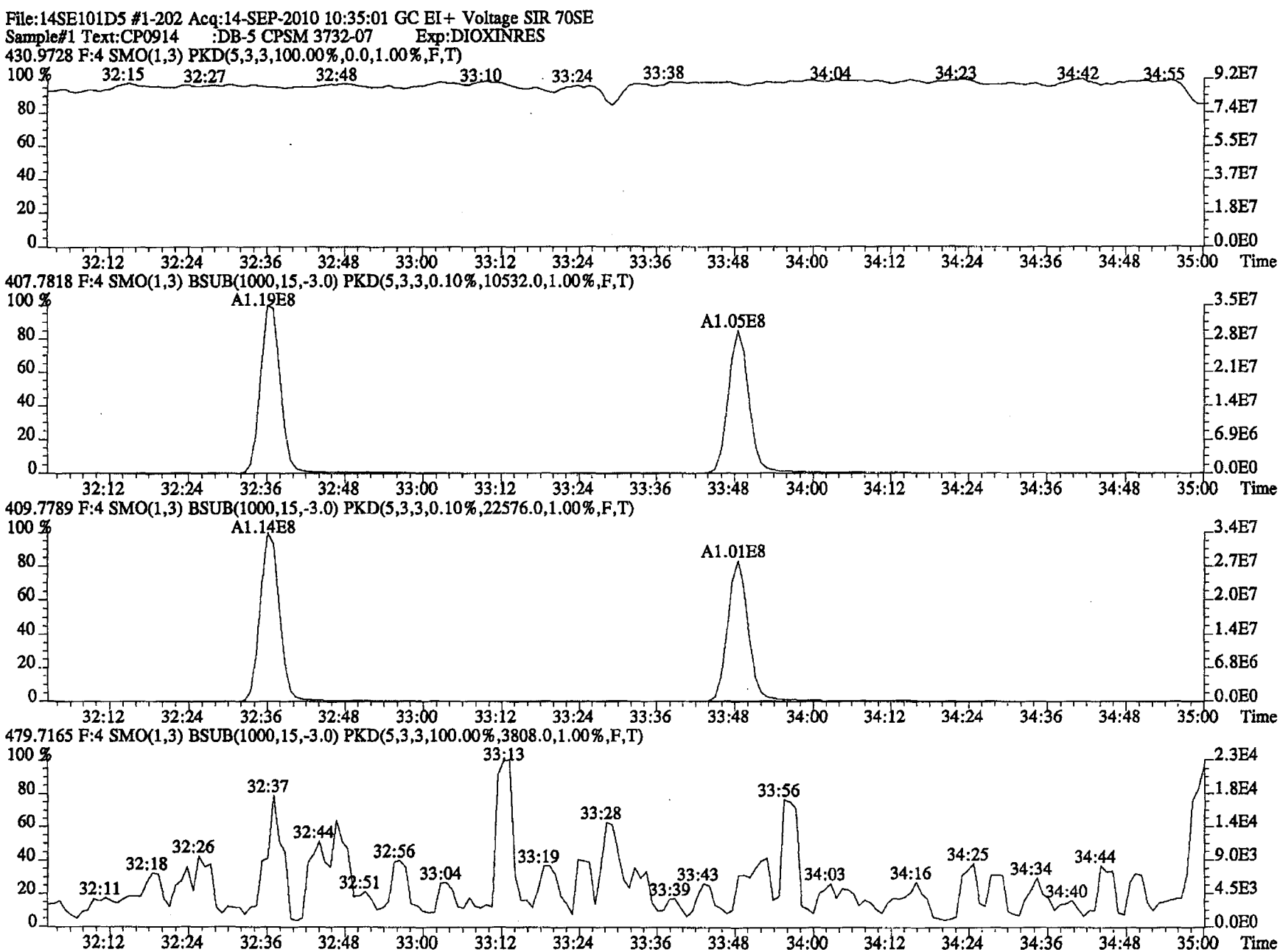


445.7555 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3824.0,1.00%,F,T)

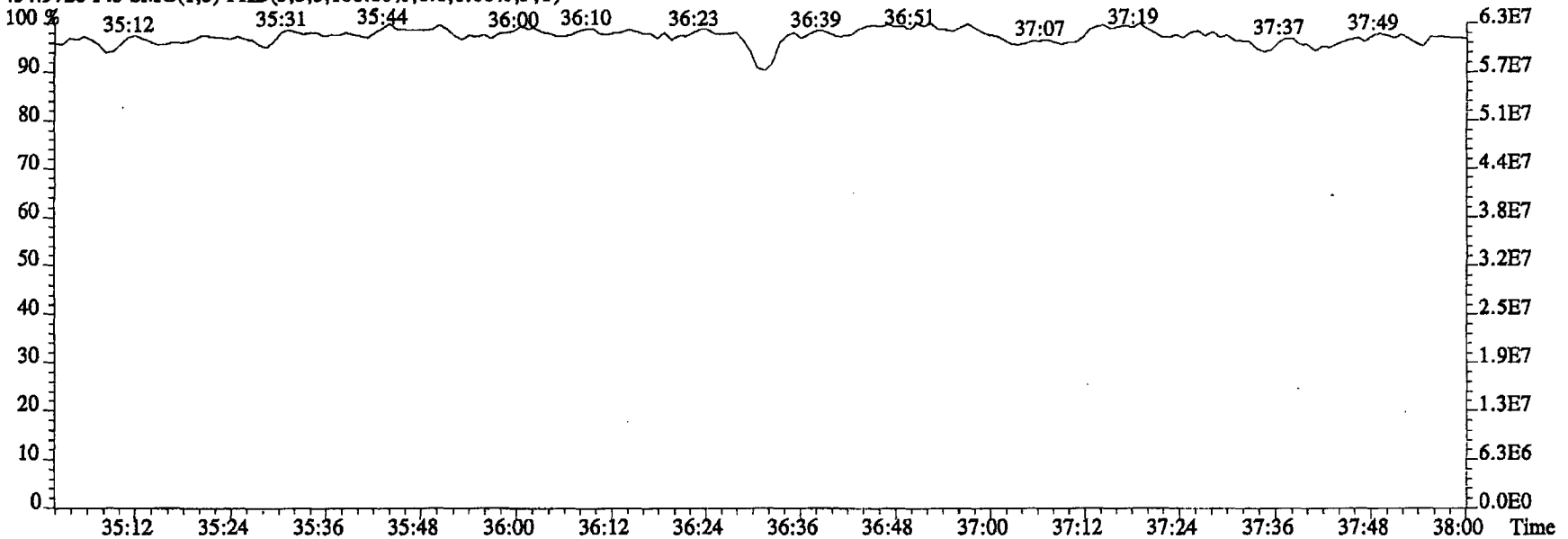


380.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

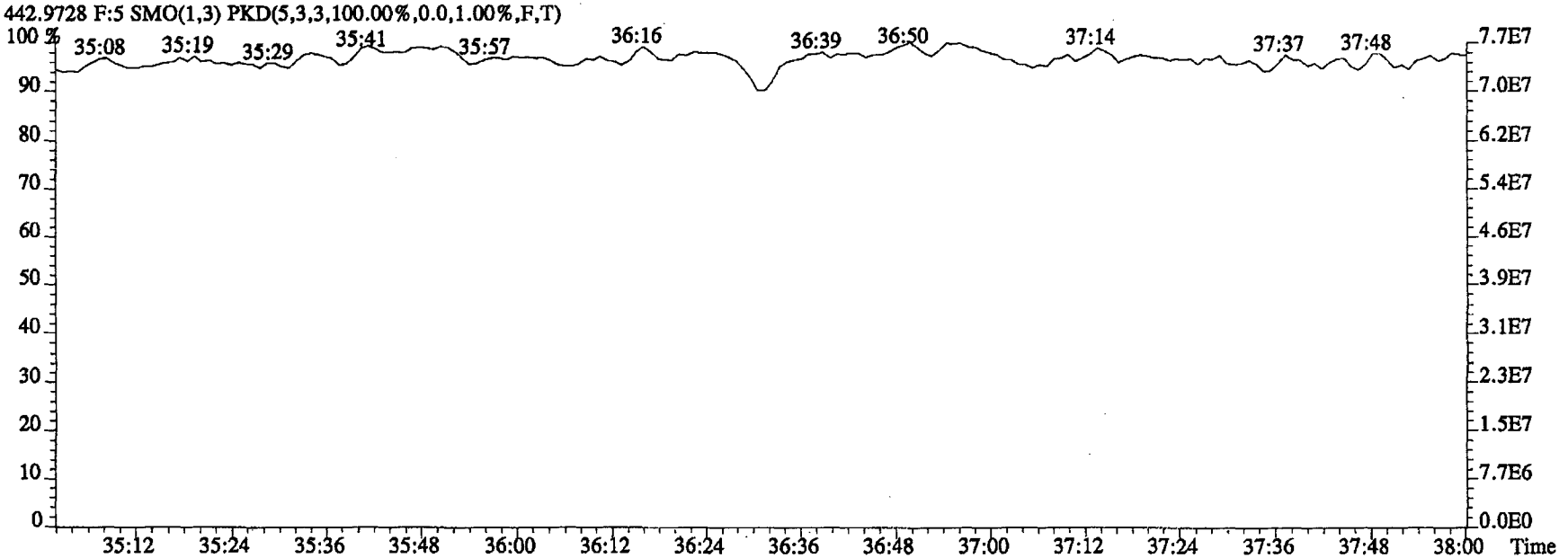




File:14SE101D5 #1-196 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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



Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Air Extraction

Batch: 0263335
MS Run #:
Prep Date: 9/20/2010

Box # 53

Shared QC Batch: N/A

Shares QC With: N/A

Internal COC:	
Delivered to Inst.:	9/23/10
Inst Receipt:	

Method: IK TO-9
Matrix: S AIR
Extraction: 11 SOXHLET (NONE,Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: IK - S - 11 - 3W

Soxhlet time on: 14:10 Soxhlet time off: 8:15

Prep Reagents		
Reagent	**Supplier**	**Lot #**
Toluene	Baker	J17N73
Hexane	Baker	J27E34
H2SO4	Baker	NA
20% DCM:Hexane	NA	3630-73B
65% DCM:Hexane	NA	3630-73F
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	NA	4022-6G
Acid Alumina	MP-B/10	79
5% Carbon:Silica Gel	NA	NA

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size *	Final Volume 20uL	Final Volume Other	Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
G0I180489 - 1		L66421AA	10/15/2010	1.0	✓		11/4/2010			5
G0I180489 - 2		L66431AA	10/15/2010	1.0	✓		11/4/2010			7
G0I180489 - 3		L66441AA	10/16/2010	1.0	✓		11/4/2010			6
G0I180489 - 4		L66451AA	10/16/2010	1.0	✓		11/4/2010			5
G0I180489 - 5		L66461AA	10/17/2010	1.0	✓	9/23/10	11/4/2010	9/23/10		7
G0I180489 - 6		L66471AA	10/17/2010	1.0	✓		11/4/2010			7
G0I200000 - 335	B	L674R1AA	10/15/2010	1.0	✓		11/4/2010			5
G0I200000 - 335	C	L674R1AC	10/15/2010	1.0	✓		11/4/2010			7
G0I200000 - 335	L	L674R1AD	10/15/2010	1.0	✓		11/4/2010			5

* See attached sheet for sample volumes recorded from scale

Comments/NCMs: _____

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	2.0mL / 10DXN425 / 8290/1613 Daily IS	10/31/16	ECJ	JZ	9/20/10
Spike Mix LCS/LCSD ~~MS/MS~~ ECJ 9/20/10	100µL / 10DXN149 / 8290/1613 Daily NS	5/26/11	ECJ	JZ	9/20/10
Pre-Spike Standard MB/~~LCS/LCSD~~ ECJ 9/20/10	200µL / 10DXN429 / TO-9 Daily Surr	7/19/11	ECJ	JZ	9/20/10
Recovery Standard All Samples	20uL 10DXN225	6/16/11	[signature]	[signature]	9/23/10
Soxhlet Extraction Analyst/Date	ECJ 9/20/10				

½ Split/Archive Analyst/Date 5 mL	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
ML 9/22/10	—	ML/9/22/10	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/23/10
Time: 16:32:52

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

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

Extractionist: 403162 erica X. larson

Concentrationist: 006625 Elizabeth Nguyen

Reviewer/Date: NGUYENE / 9/23/10

QC BATCH: 0263335

PREP DATE: 9/20/10 15:00
COMP DATE: 9/23/10 17:00

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
10/15/10	9/24/10	G0I180489-001 **L6642-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/8290 IS
COMMENTS:															
10/15/10	9/24/10	G0I180489-002 **L6643-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/8290 IS
COMMENTS:															
10/16/10	9/24/10	G0I180489-003 **L6644-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/8290 IS
COMMENTS:															
10/16/10	9/24/10	G0I180489-004 **L6645-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/8290 IS
COMMENTS:															
10/17/10	9/24/10	G0I180489-005 **L6646-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/8290 IS
COMMENTS:															
10/17/10	9/24/10	G0I180489-006 **L6647-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN425/8290 IS
COMMENTS:															
10/15/10	0/00/00	G0I200000-335 **L674R-1-AAB**		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	200UL/10DXN429/TO-9 SURR 2.0ML/10DXN425/8290 IS
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/23/10
Time: 16:32:52

QC BATCH: 0263335

PREP DATE: 9/20/10 15:00
COMP DATE: 9/23/10 17:00

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	
10/15/10	0/00/00	G0I200000-335 **L674R-1-ACC**		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN148/8290 2.0ML/10DXN425/8290	NS IS
COMMENTS:																
10/15/10	0/00/00	G0I200000-335 **L674R-1-ADL**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN148/8290 2.0ML/10DXN425/8290	NS IS
COMMENTS:																

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

NUMBER OF WORK ORDERS IN BATCH: 9

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0263335 **Test:** TO-9

Prep Date: 9/20/10 **Holding Times:** 10/15/10-10/17/10 **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: 9/20/10

2nd Level Reviewer: [signature] Date: 9/23/10

Comments:

TestAmerica West Sacramento

Data Checklist
HRGCMS/LRGCMS Analyses

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0263335 Method ID: Dioxins/Furans, HRGC/HRMS (TO-9)

	DB-5	DB-225
Data Analyst:	AK	AK
Date initiated:	9/24/10	9/24/10
Reviewer:	MyWay	
Date reviewed:	9/27/2010	

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	✓	✓
-Method Blank present?	✓	✓	NA	NA
-LCS/DCS copy present and meets native recovery criteria?	✓	✓	NA	NA
-Internal standard recoveries within limits?*	✓	✓	✓	✓
-Ion ratios within + 15% of theoretical values?	(1)	(2)	(1)	(2)
-Other QC (Dup,MS,SD) within specs?**	NA	NA	NA	NA

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓	✓	✓
-All raw data present?	✓	✓	✓	✓
-Standard target DL's used? If RL's are used specify:_____	✓	✓	✓	✓
-DL's below (DL) / LCL (please circle)?	✓	✓	✓	✓
-All positives reported at levels greater than method blank DL's?	✓	✓	✓	✓
-Correct RRF's used for method?	✓	✓	✓	✓
-Internal standard amounts correct for method?	✓	✓	✓	✓
-Target analytes are not saturated?	✓	✓	✓	✓
-Dilution/splitting of extract taken into account?	✓	✓	✓	✓
-Have dilution calculations been verified?	NA	NA	NA	NA
-Has a manual calculation for the sequence(s) been verified?	✓	✓	✓	✓
-Are retention times (RT) correct?	✓	✓	✓	✓
-Manual integrations checked?	✓	✓	NA	NA

Comments: (Use other side if necessary)
(1) See NCM

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

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: DFT0922

Initiator/Date: SRS/09/22/2010 Standard ID: HSL0922A

Reviewer/Date: 9/23/10 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?	☒	☑

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 : 092210.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
22-SEP-2010	14:05	SRS	Primer CS-4	QC001.D	NA	NA	NA		
22-SEP-2010	14:29	SRS	DFTPP 50ug/ml	DFT0922.D	NA	NA	NA		
22-SEP-2010	14:50	SRS	HSL_050 ug/ml CS-4	HSL0922.D	NA	NA	NA		
22-SEP-2010	17:46	SRS	HSL_050 ug/ml CS-4	HSL0922a.	NA	NA	NA		
22-SEP-2010	18:38	SRS	L7AJV1AD G0I220000-232B	S092201.D	30 g	1 mL	1	QL	
22-SEP-2010	19:04	SRS	L7AJV1AE G0I220000-232C	S092202.D	30 g	1 mL	1	QL	
22-SEP-2010	19:30	SRS	L7AJV1AF G0I220000-232D	S092203.D	30 g	1 mL	1	QL	
22-SEP-2010	19:56	SRS	L6RVD1AA G0I100438-1 5X	S092204.D	29.91 g	1 mL	5	QL	
22-SEP-2010	20:22	SRS	L6RWK1AA G0I100438-3	S092205.D	30.43 g	1 mL	1	QL	
22-SEP-2010	20:48	SRS	L6RWR1AA G0I100438-5	S092206.D	30.06 g	1 mL	1	QL	
22-SEP-2010	21:14	SRS	L6RWW1AA G0I100438-7	S092207.D	30.23 g	1 mL	1	QL	
22-SEP-2010	21:40	SRS	L6RW01AA G0I100438-9	S092208.D	29.84 g	1 mL	1	QL	
22-SEP-2010	22:06	SRS	L6RW21AA G0I100438-11	S092209.D	30.1 g	1 mL	1	QL	
22-SEP-2010	22:32	SRS	L60QH1AA G0I140584-1	S092210.D	30.2 g	1 mL	1	QL	
22-SEP-2010	22:58	SRS	L60QK1AA G0I140584-3	S092211.D	30.06 g	1 mL	1	QL	
22-SEP-2010	23:24	SRS	L60QM1AA G0I140584-5	S092212.D	30.22 g	1 mL	1	QL	
22-SEP-2010	23:50	SRS	L60QP1AA G0I140584-7	S092213.D	30.09 g	1 mL	1	QL	
23-SEP-2010	00:16	SRS	L60QR1AA G0I140584-9	S092214.D	30.13 g	1 mL	1	QL	
23-SEP-2010	00:42	SRS	L60QV1AA G0I140584-11	S092215.D	30.06 g	1 mL	1	QL	
23-SEP-2010	01:09	SRS	L674T1AA G0I200000-337B	S092216.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	01:35	SRS	L674T1AC G0I200000-33C	S092217.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	02:01	SRS	L674T1AD G0I200000-337L	S092218.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	02:27	SRS	L66481AA G0I180489-7	S092219.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	02:53	SRS	L66491AA G0I180489-8	S092220.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	03:19	SRS	L665A1AA G0I180489-9	S092221.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	03:45	SRS	L665C1AA G0I180489-10	S092222.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	04:11	SRS	L665D1AA G0I180489-11	S092223.D	1000 Sa	1 mL	1	JZ	
23-SEP-2010	04:37	SRS	L665E1AA G0I180489-12	S092224.D	1000 Sa	1 mL	1	JZ	

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 22-SEP-2010 17:46
Lab File ID: HSL0922a.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\092210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.47923	1.46331	1.46331	0.010	-1.07625	50.00000	Averaged
$ 8 Phenol-d5	1.89473	1.85873	1.85873	0.010	-1.90031	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.59813	1.59539	1.59539	0.010	-0.17167	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.99431	1.01482	1.01482	0.010	2.06204	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.35699	0.35180	0.35180	0.010	-1.45308	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.26594	1.29230	1.29230	0.010	2.08174	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15648	0.18610	0.18610	0.010	18.92742	50.00000	Averaged
$ 14 Terphenyl-d14	0.77396	0.81880	0.81880	0.010	5.79416	50.00000	Averaged
15 N-Nitrosodimethylamine	1.01809	0.98181	0.98181	0.010	-3.56361	50.00000	Averaged
16 Pyridine	1.68687	1.60532	1.60532	0.010	-4.83437	50.00000	Averaged
23 Aniline	2.37259	2.31333	2.31333	0.010	-2.49758	50.00000	Averaged
24 Phenol	1.99436	1.96030	1.96030	0.010	-1.70782	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.52541	1.44151	1.44151	0.010	-5.50007	50.00000	Averaged
27 2-Chlorophenol	1.58023	1.59181	1.59181	0.010	0.73295	50.00000	Averaged
28 1,3-Dichlorobenzene	1.74334	1.72065	1.72065	0.010	-1.30151	50.00000	Averaged
29 1,4-Dichlorobenzene	1.76599	1.78033	1.78033	0.010	0.81238	20.00000	Averaged
30 Benzyl Alcohol	1.08397	1.07087	1.07087	0.010	-1.20819	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66769	1.65592	1.65592	0.010	-0.70523	50.00000	Averaged
32 2-Methylphenol	1.48902	1.47318	1.47318	0.010	-1.06411	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.90571	2.33553	2.33553	0.010	-19.62269	50.00000	Averaged
34 4-Methylphenol	1.58517	1.55513	1.55513	0.010	-1.89490	50.00000	Averaged
36 Hexachloroethane	0.62210	0.62674	0.62674	0.010	0.74608	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.11560	1.06054	1.06054	0.050	-4.93515	50.00000	Averaged
42 Nitrobenzene	0.35575	0.34821	0.34821	0.010	-2.11960	50.00000	Averaged
44 Isophorone	0.67537	0.66379	0.66379	0.010	-1.71391	50.00000	Averaged
45 2-Nitrophenol	0.19133	0.20799	0.20799	0.010	8.70854	20.00000	Averaged
46 2,4-Dimethyphenol	0.35866	0.36058	0.36058	0.010	0.53725	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.40130	0.39713	0.39713	0.010	-1.03958	50.00000	Averaged
49 2,4-Dichlorophenol	0.26143	0.27566	0.27566	0.010	5.44611	20.00000	Averaged
50 Benzoic Acid	0.20092	0.20889	0.20889	0.010	3.96397	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.28301	0.30161	0.30161	0.010	6.57113	50.00000	Averaged
52 Naphthalene	1.11324	1.11252	1.11252	0.010	-0.06408	50.00000	Averaged
54 4-Chloroaniline	0.43919	0.45003	0.45003	0.010	2.46864	50.00000	Averaged
57 Hexachlorobutadiene	0.13411	0.14705	0.14705	0.010	9.64863	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30380	0.32179	0.32179	0.010	5.92159	20.00000	Averaged
63 2-Methylnaphthalene	0.67962	0.71268	0.71268	0.010	4.86443	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.30646	0.32409	0.32409	0.050	5.75171	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.30154	0.33082	0.33082	0.010	9.70998	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32858	0.35710	0.35710	0.010	8.67969	50.00000	Averaged
71 2-Chloronaphthalene	1.11567	1.11052	1.11052	0.010	-0.46178	50.00000	Averaged
73 2-Nitroaniline	0.38116	0.36716	0.36716	0.010	-3.67210	50.00000	Averaged
76 Dimethylphthalate	1.29156	1.31627	1.31627	0.010	1.91294	50.00000	Averaged

Manual calculation for Phenol : 9/23/10

$\frac{348074}{142049} \times \frac{40}{50} =$ 1.96030 RT 9/23/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 22-SEP-2010 17:46
Lab File ID: HSL0922a.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\092210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.95828	1.98012	1.98012	0.010	1.11552	50.00000	Averaged
79 2,6-Dinitrotoluene	0.28888	0.31596	0.31596	0.010	9.37252	50.00000	Averaged
80 3-Nitroaniline	0.38296	0.39379	0.39379	0.010	2.82776	50.00000	Averaged
81 Acenaphthene	1.24672	1.26887	1.26887	0.010	1.77652	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	54.65482	0.19230	0.050	9.30964	0.000e+000	Quadratic
83 Dibenzofuran	1.64538	1.68354	1.68354	0.010	2.31941	50.00000	Averaged
84 4-Nitrophenol	0.17088	0.17594	0.17594	0.050	2.96235	50.00000	Averaged
86 2,4-Dinitrotoluene	0.38742	0.42531	0.42531	0.010	9.77951	50.00000	Averaged
91 Fluorene	1.34904	1.41527	1.41527	0.010	4.90930	50.00000	Averaged
92 Diethylphthalate	1.35372	1.36846	1.36846	0.010	1.08852	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.55385	0.57873	0.57873	0.010	4.49242	50.00000	Averaged
94 4-Nitroaniline	0.37837	0.40097	0.40097	0.010	5.97322	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	49.84177	0.14375	0.010	-0.31646	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.62622	0.62236	0.62236	0.010	-0.61589	20.00000	Averaged
100 Azobenzene	0.88363	0.84573	0.84573	0.010	-4.28925	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19190	0.20216	0.20216	0.010	5.34472	50.00000	Averaged
108 Hexachlorobenzene	0.20744	0.21644	0.21644	0.010	4.33863	50.00000	Averaged
110 Pentachlorophenol	0.12850	0.13655	0.13655	0.010	6.26860	20.00000	Averaged
114 Phenanthrene	1.25231	1.25673	1.25673	0.010	0.35321	50.00000	Averaged
115 Anthracene	1.26014	1.27923	1.27923	0.010	1.51511	50.00000	Averaged
118 Carbazole	1.17754	1.16752	1.16752	0.010	-0.85089	50.00000	Averaged
120 Di-n-Butylphthalate	1.42590	1.43944	1.43944	0.010	0.94954	50.00000	Averaged
126 Fluoranthene	1.13179	1.14583	1.14583	0.010	1.24063	20.00000	Averaged
127 Benzidine	0.82752	0.92506	0.92506	0.010	11.78789	50.00000	Averaged
128 Pyrene	1.24186	1.25079	1.25079	0.010	0.71898	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.70995	0.78775	0.78775	0.010	10.95899	50.00000	Averaged
136 Butylbenzylphthalate	0.64263	0.65981	0.65981	0.010	2.67322	50.00000	Averaged
138 Benzo(a)Anthracene	1.05752	1.09771	1.09771	0.010	3.79980	50.00000	Averaged
139 Chrysene	1.09407	1.10136	1.10136	0.010	0.66639	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.38440	0.42330	0.42330	0.010	10.11991	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.88842	0.91496	0.91496	0.010	2.98754	50.00000	Averaged
142 Di-n-octylphthalate	1.42876	1.53546	1.53546	0.010	7.46780	20.00000	Averaged
144 Benzo(b)fluoranthene	0.94959	0.96316	0.96316	0.010	1.42918	50.00000	Averaged
145 Benzo(k)fluoranthene	1.11337	1.13247	1.13247	0.010	1.71537	50.00000	Averaged
147 Benzo(e)pyrene	0.94145	0.97175	0.97175	0.010	3.21794	50.00000	Averaged
148 Benzo(a)pyrene	1.03915	1.03751	1.03751	0.010	-0.15770	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.88334	0.89735	0.89735	0.010	1.58683	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.94269	0.99263	0.99263	0.010	5.29759	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00655	1.01366	1.01366	0.010	0.70657	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06296	2.09563	2.09563	0.010	1.58363	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092210.B\HSL0922a.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 22-SEP-2010 17:46
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\092210.B\8270f.m
Meth Date : 22-Sep-2010 18:16 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.018	4.018	(1.000)	142049	40.0000	
* 2	Naphthalene-d8	136	5.438	5.438	(1.000)	613877	40.0000	
* 3	Acenaphthene-d10	164	7.541	7.541	(1.000)	334425	40.0000	
* 4	Phenanthrene-d10	188	9.490	9.490	(1.000)	530756	40.0000	
* 5	Chrysene-d12	240	13.884	13.884	(1.000)	530140	40.0000	
* 6	Perylene-d12	264	16.277	16.277	(1.000)	547229	40.0000	
$ 7	2-Fluorophenol	112	2.795	2.795	(0.696)	259827	50.0000	49.46
$ 8	Phenol-d5	99	3.676	3.676	(0.915)	330038	50.0000	49.05
$ 9	2-Chlorophenol-d4	132	3.821	3.821	(0.951)	283279	50.0000	49.91
$ 10	1,2-Dichlorobenzene-d4	152	4.225	4.225	(1.052)	180192	50.0000	51.03
$ 11	Nitrobenzene-d5	82	4.650	4.650	(0.855)	269952	50.0000	49.27
$ 12	2-Fluorobiphenyl	172	6.744	6.744	(0.894)	540220	50.0000	51.04
$ 13	2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	77795	50.0000	59.46
$ 14	Terphenyl-d14	244	12.112	12.112	(0.872)	542601	50.0000	52.90
15	N-Nitrosodimethylamine	74	1.769	1.769	(0.440)	174331	50.0000	48.22
16	Pyridine	79	1.790	1.790	(0.446)	285043	50.0000	47.58
23	Aniline	93	3.717	3.717	(0.925)	410758	50.0000	48.75
24	Phenol	94	3.686	3.686	(0.917)	348074	50.0000	49.15(M)
26	Bis(2-chloroethyl)ether	93	3.780	3.780	(0.941)	255956	50.0000	47.25
27	2-Chlorophenol	128	3.831	3.831	(0.954)	282644	50.0000	50.37
28	1,3-Dichlorobenzene	146	3.987	3.987	(0.992)	305521	50.0000	49.35
29	1,4-Dichlorobenzene	146	4.039	4.039	(1.005)	316118	50.0000	50.41
30	Benzyl Alcohol	108	4.184	4.184	(1.041)	190145	50.0000	49.40
31	1,2-Dichlorobenzene	146	4.236	4.236	(1.054)	294028	50.0000	49.65
32	2-Methylphenol	108	4.319	4.319	(1.075)	261579	50.0000	49.47
33	2,2'-oxybis(1-Chloropropane)	45	4.360	4.360	(1.085)	414700	50.0000	40.19
34	4-Methylphenol	108	4.484	4.484	(1.116)	276131	50.0000	49.05
36	Hexachloroethane	117	4.567	4.567	(1.137)	111285	50.0000	50.37
37	N-Nitrosodinpropylamine	70	4.515	4.515	(1.124)	188311	50.0000	47.53
42	Nitrobenzene	77	4.671	4.671	(0.859)	267198	50.0000	48.94
44	Isophorone	82	4.930	4.930	(0.907)	509360	50.0000	49.14
45	2-Nitrophenol	139	5.034	5.034	(0.926)	159601	50.0000	54.35
46	2,4-Dimethyphenol	107	5.085	5.085	(0.935)	276693	50.0000	50.27

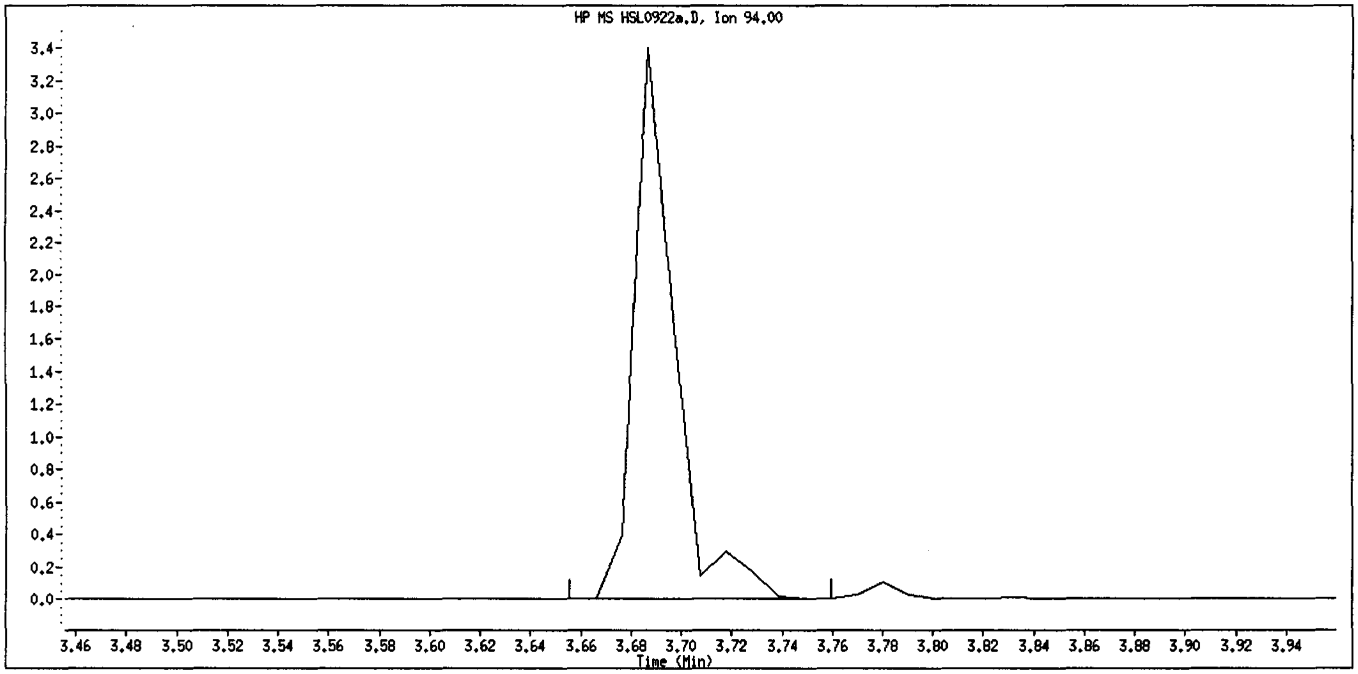
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.199	5.199	(0.956)	304738	50.0000	49.48
49	2,4-Dichlorophenol	162	5.293	5.293	(0.973)	211530	50.0000	52.72
50	Benzoic Acid	122	5.189	5.189	(0.954)	160288	50.0000	51.98
51	1,2,4-Trichlorobenzene	180	5.396	5.396	(0.992)	231438	50.0000	53.28
52	Naphthalene	128	5.458	5.458	(1.004)	853690	50.0000	49.97
54	4-Chloroaniline	127	5.552	5.552	(1.021)	345331	50.0000	51.23
57	Hexachlorobutadiene	225	5.686	5.686	(1.046)	112840	50.0000	54.82
60	4-Chloro-3-Methylphenol	107	6.142	6.142	(1.130)	246927	50.0000	52.96
63	2-Methylnaphthalene	142	6.277	6.277	(1.154)	546873	50.0000	52.43
66	Hexachlorocyclopentadiene	237	6.557	6.557	(0.869)	135480	50.0000	52.88
69	2,4,6-Trichlorophenol	196	6.650	6.650	(0.882)	138293	50.0000	54.85
70	2,4,5-Trichlorphenol	196	6.692	6.692	(0.887)	149277	50.0000	54.34
71	2-Chloronaphthalene	162	6.857	6.857	(0.909)	464231	50.0000	49.77
73	2-Nitroaniline	65	7.023	7.023	(0.931)	153486	50.0000	48.16
76	Dimethylphthalate	163	7.293	7.293	(0.967)	550240	50.0000	50.96
77	Acenaphthylene	152	7.355	7.355	(0.975)	827753	50.0000	50.56
79	2,6-Dinitrotoluene	165	7.365	7.365	(0.977)	132080	50.0000	54.69
80	3-Nitroaniline	138	7.521	7.521	(0.997)	164616	50.0000	51.41
81	Acenaphthene	153	7.583	7.583	(1.005)	530426	50.0000	50.89
82	2,4-Dinitrophenol	184	7.645	7.645	(1.014)	80386	50.0000	54.65
83	Dibenzofuran	168	7.780	7.780	(1.032)	703773	50.0000	51.16
84	4-Nitrophenol	109	7.749	7.749	(1.027)	73548	50.0000	51.48
86	2,4-Dinitrotoluene	165	7.842	7.842	(1.040)	177793	50.0000	54.89
91	Fluorene	166	8.215	8.215	(1.089)	591625	50.0000	52.45
92	Diethylphthalate	149	8.174	8.174	(1.084)	572058	50.0000	50.54
93	4-Chlorophenyl-phenylether	204	8.225	8.225	(1.091)	241926	50.0000	52.25
94	4-Nitroaniline	138	8.298	8.298	(1.100)	167619	50.0000	52.99
97	4,6-Dinitro-2-methylphenol	198	8.360	8.360	(0.881)	95367	50.0000	49.84
98	N-Nitrosodiphenylamine	169	8.391	8.391	(0.884)	483920	58.6000	58.24
100	Azobenzene	77	8.433	8.433	(0.889)	561097	50.0000	47.86
101	4-Bromophenyl-phenylether	248	8.878	8.878	(0.936)	134119	50.0000	52.67
108	Hexachlorobenzene	284	9.065	9.065	(0.955)	143598	50.0000	52.17
110	Pentachlorophenol	266	9.324	9.324	(0.983)	90596	50.0000	53.13
114	Phenanthrene	178	9.531	9.531	(1.004)	833772	50.0000	50.18
115	Anthracene	178	9.593	9.593	(1.011)	848701	50.0000	50.76
118	Carbazole	167	9.852	9.852	(1.038)	774583	50.0000	49.57
120	Di-n-Butylphthalate	149	10.557	10.557	(1.112)	954992	50.0000	50.47
126	Fluoranthene	202	11.397	11.397	(1.201)	760194	50.0000	50.62
127	Benzidine	184	11.666	11.666	(0.840)	613017	50.0000	55.89
128	Pyrene	202	11.759	11.759	(0.847)	828864	50.0000	50.36
134	3,3'-dimethylbenzidine	212	12.972	12.972	(0.934)	522023	50.0000	55.48
136	Butylbenzylphthalate	149	13.086	13.086	(0.943)	437241	50.0000	51.34
138	Benzo(a)Anthracene	228	13.863	13.863	(0.999)	727424	50.0000	51.90
139	Chrysene	228	13.935	13.935	(1.004)	729842	50.0000	50.33
140	3,3'-Dichlorobenzidine	252	13.904	13.904	(1.001)	280512	50.0000	55.06
141	bis(2-ethylhexyl)Phthalate	149	14.205	14.205	(1.023)	606321	50.0000	51.49
142	Di-n-octylphthalate	149	15.262	15.262	(1.099)	1017508	50.0000	53.73
144	Benzo(b)fluoranthene	252	15.687	15.687	(0.964)	658838	50.0000	50.71
145	Benzo(k)fluoranthene	252	15.728	15.728	(0.966)	774649	50.0000	50.86
147	Benzo(e)pyrene	252	16.112	16.112	(0.990)	664711	50.0000	51.61
148	Benzo(a)pyrene	252	16.184	16.184	(0.994)	709692	50.0000	49.92
151	Indeno(1,2,3-cd)pyrene	276	17.946	17.946	(1.102)	613823	50.0000	50.79
152	Dibenzo(a,h)anthracene	278	17.987	17.987	(1.105)	678993	50.0000	52.65
153	Benzo(g,h,i)perylene	276	18.381	18.381	(1.129)	693383	50.0000	50.35

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				1433487	50.0000	

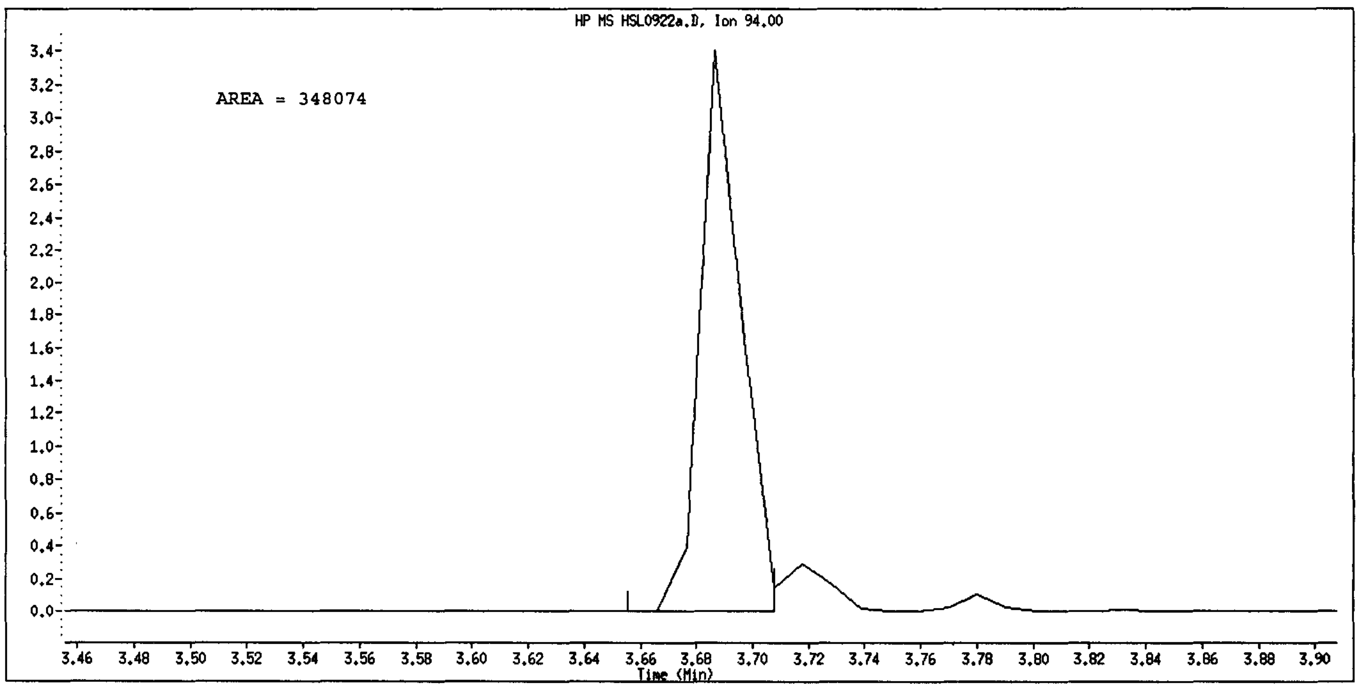
QC Flag Legend

M - Compound response manually integrated.

Data File Name: HSL0922a.D
Inj. Date and Time: 22-SEP-2010 17:46
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Phenol
CAS #: 108-95-2
Report Date: 09/22/2010



Original Integration



Manual Integration

SY 9/22/10

Manually Integrated By: ~~semivoa~~ SY 9/22/10
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092210.B\HSL0922.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 22-SEP-2010 14:50
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\092210.B\8270f.m
Meth Date : 22-Sep-2010 17:41 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	4.028	4.028	(1.000)	126751	40.0000	
* 2 Naphthalene-d8	136	5.438	5.438	(1.000)	562634	40.0000	
* 3 Acenaphthene-d10	164	7.541	7.541	(1.000)	302573	40.0000	
* 4 Phenanthrene-d10	188	9.490	9.490	(1.000)	484990	40.0000	
* 5 Chrysene-d12	240	13.883	13.883	(1.000)	502426	40.0000	
* 6 Perylene-d12	264	16.267	16.267	(1.000)	518381	40.0000	
$ 7 2-Fluorophenol	112	2.805	2.805	(0.696)	91123	50.0000	19.44
$ 8 Phenol-d5	99	3.676	3.676	(0.913)	118181	50.0000	19.68
$ 9 2-Chlorophenol-d4	132	3.821	3.821	(0.949)	103165	50.0000	20.37
$ 10 1,2-Dichlorobenzene-d4	152	4.225	4.225	(1.049)	63736	50.0000	20.23
$ 11 Nitrobenzene-d5	82	4.650	4.650	(0.855)	96434	50.0000	19.20
$ 12 2-Fluorobiphenyl	172	6.743	6.743	(0.894)	194423	50.0000	20.30
$ 13 2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	26542	50.0000	22.42
$ 14 Terphenyl-d14	244	12.111	12.111	(0.872)	194047	50.0000	19.96
15 N-Nitrosodimethylamine	74	1.769	1.769	(0.439)	62142	50.0000	19.26
16 Pyridine	79	1.800	1.800	(0.447)	98845	50.0000	18.49
23 Aniline	93	3.717	3.717	(0.923)	149337	50.0000	19.86
24 Phenol	94	3.686	3.686	(0.915)	134593	50.0000	21.30
26 Bis(2-chloroethyl)ether	93	3.780	3.780	(0.938)	94165	50.0000	19.48
27 2-Chlorophenol	128	3.831	3.831	(0.951)	100291	50.0000	20.03
28 1,3-Dichlorobenzene	146	3.987	3.987	(0.990)	112674	50.0000	20.40
29 1,4-Dichlorobenzene	146	4.039	4.039	(1.003)	114469	50.0000	20.46
30 Benzyl Alcohol	108	4.184	4.184	(1.039)	69215	50.0000	20.15
31 1,2-Dichlorobenzene	146	4.236	4.236	(1.051)	105283	50.0000	19.92
32 2-Methylphenol	108	4.318	4.318	(1.072)	93499	50.0000	19.82
33 2,2'-oxybis(1-Chloropropane)	45	4.360	4.360	(1.082)	148321	50.0000	16.11
34 4-Methylphenol	108	4.484	4.484	(1.113)	99445	50.0000	19.80
36 Hexachloroethane	117	4.567	4.567	(1.134)	39198	50.0000	19.88
37 N-Nitrosodinpropylamine	70	4.515	4.515	(1.121)	67561	50.0000	19.11
42 Nitrobenzene	77	4.671	4.671	(0.859)	93543	50.0000	18.69
44 Isophorone	82	4.930	4.930	(0.907)	179831	50.0000	18.93
45 2-Nitrophenol	139	5.033	5.033	(0.926)	56830	50.0000	21.12
46 2,4-Dimethyphenol	107	5.085	5.085	(0.935)	97091	50.0000	19.24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.199	5.199	(0.956)	105893	50.0000	18.76
49 2,4-Dichlorophenol	162	5.293	5.293	(0.973)	76685	50.0000	20.85
50 Benzoic Acid	122	5.158	5.158	(0.949)	51316	50.0000	18.16
51 1,2,4-Trichlorobenzene	180	5.396	5.396	(0.992)	81407	50.0000	20.45
52 Naphthalene	128	5.458	5.458	(1.004)	313473	50.0000	20.02
54 4-Chloroaniline	127	5.552	5.552	(1.021)	123950	50.0000	20.06
57 Hexachlorobutadiene	225	5.686	5.686	(1.046)	39478	50.0000	20.93
60 4-Chloro-3-Methylphenol	107	6.132	6.132	(1.128)	86024	50.0000	20.13
63 2-Methylnaphthalene	142	6.277	6.277	(1.154)	195376	50.0000	20.44
66 Hexachlorocyclopentadiene	237	6.557	6.557	(0.869)	45500	50.0000	19.63
69 2,4,6-Trichlorophenol	196	6.650	6.650	(0.882)	47794	50.0000	20.95
70 2,4,5-Trichlorphenol	196	6.692	6.692	(0.887)	54086	50.0000	21.76
71 2-Chloronaphthalene	162	6.847	6.847	(0.908)	167931	50.0000	19.90
73 2-Nitroaniline	65	7.023	7.023	(0.931)	52604	50.0000	18.24
76 Dimethylphthalate	163	7.293	7.293	(0.967)	197491	50.0000	20.21
77 Acenaphthylene	152	7.355	7.355	(0.975)	301956	50.0000	20.38
79 2,6-Dinitrotoluene	165	7.293	7.293	(0.967)	49583	50.0000	22.69
80 3-Nitroaniline	138	7.521	7.521	(0.997)	59415	50.0000	20.51
81 Acenaphthene	153	7.583	7.583	(1.005)	193415	50.0000	20.51
82 2,4-Dinitrophenol	184	7.645	7.645	(1.014)	25473	50.0000	21.44
83 Dibenzofuran	168	7.769	7.769	(1.030)	252324	50.0000	20.27
84 4-Nitrophenol	109	7.738	7.738	(1.026)	27356	50.0000	21.16
86 2,4-Dinitrotoluene	165	7.769	7.769	(1.030)	62175	50.0000	21.22
91 Fluorene	166	8.215	8.215	(1.089)	204908	50.0000	20.08
92 Diethylphthalate	149	8.173	8.173	(1.084)	203776	50.0000	19.90
93 4-Chlorophenyl-phenylether	204	8.225	8.225	(1.091)	90346	50.0000	21.56
94 4-Nitroaniline	138	8.287	8.287	(1.099)	58799	50.0000	20.54
97 4,6-Dinitro-2-methylphenol	198	8.350	8.350	(0.880)	33611	50.0000	22.07
98 N-Nitrosodiphenylamine	169	8.391	8.391	(0.884)	177821	58.6000	23.42
100 Azobenzene	77	8.422	8.422	(0.888)	195810	50.0000	18.28
101 4-Bromophenyl-phenylether	248	8.878	8.878	(0.936)	49189	50.0000	21.14
108 Hexachlorobenzene	284	9.065	9.065	(0.955)	51967	50.0000	20.66
110 Pentachlorophenol	266	9.324	9.324	(0.983)	32043	50.0000	20.57
114 Phenanthrene	178	9.521	9.521	(1.003)	306226	50.0000	20.17
115 Anthracene	178	9.583	9.583	(1.010)	309499	50.0000	20.26
118 Carbazole	167	9.852	9.852	(1.038)	286005	50.0000	20.03
120 Di-n-Butylphthalate	149	10.547	10.547	(1.111)	341229	50.0000	19.74
126 Fluoranthene	202	11.396	11.396	(1.201)	279094	50.0000	20.34
127 Benzidine	184	11.666	11.666	(0.840)	208976	50.0000	20.10
128 Pyrene	202	11.759	11.759	(0.847)	299958	50.0000	19.23
134 3,3'-dimethylbenzidine	212	12.961	12.961	(0.934)	185521	50.0000	20.80
136 Butylbenzylphthalate	149	13.075	13.075	(0.942)	154633	50.0000	19.16
138 Benzo(a)Anthracene	228	13.852	13.852	(0.998)	262893	50.0000	19.79
139 Chrysene	228	13.925	13.925	(1.003)	265298	50.0000	19.30
140 3,3'-Dichlorobenzidine	252	13.894	13.894	(1.001)	103164	50.0000	21.37
141 bis(2-ethylhexyl)Phthalate	149	14.205	14.205	(1.023)	222669	50.0000	19.95
142 Di-n-octylphthalate	149	15.251	15.251	(1.099)	371863	50.0000	20.72
144 Benzo(b)fluoranthene	252	15.687	15.687	(0.964)	226891	50.0000	18.44
145 Benzo(k)fluoranthene	252	15.718	15.718	(0.966)	294002	50.0000	20.38
147 Benzo(e)pyrene	252	16.101	16.101	(0.990)	238467	50.0000	19.54
148 Benzo(a)pyrene	252	16.174	16.174	(0.994)	263960	50.0000	19.60
151 Indeno(1,2,3-cd)pyrene	276	17.935	17.935	(1.103)	283237	50.0000	24.74
152 Dibenzo(a,h)anthracene	278	17.977	17.977	(1.105)	240149	50.0000	19.66
153 Benzo(g,h,i)perylene	276	18.371	18.371	(1.129)	258438	50.0000	19.81

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				520893	50.0000	19.48(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: HSL0922.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\092210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 22-SEP-2010
Calibration Time: 14:05
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	126751	12.77
2 Naphthalene-d8	494728	247364	989456	562634	13.73
3 Acenaphthene-d10	264752	132376	529504	302573	14.29
4 Phenanthrene-d10	415811	207906	831622	484990	16.64
5 Chrysene-d12	431516	215758	863032	502426	16.43
6 Perylene-d12	416460	208230	832920	518381	24.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.03	3.53	4.53	4.03	0.00
2 Naphthalene-d8	5.44	4.94	5.94	5.44	0.00
3 Acenaphthene-d10	7.54	7.04	8.04	7.54	0.00
4 Phenanthrene-d10	9.49	8.99	9.99	9.49	0.00
5 Chrysene-d12	13.88	13.38	14.38	13.88	0.00
6 Perylene-d12	16.27	15.77	16.77	16.27	0.00

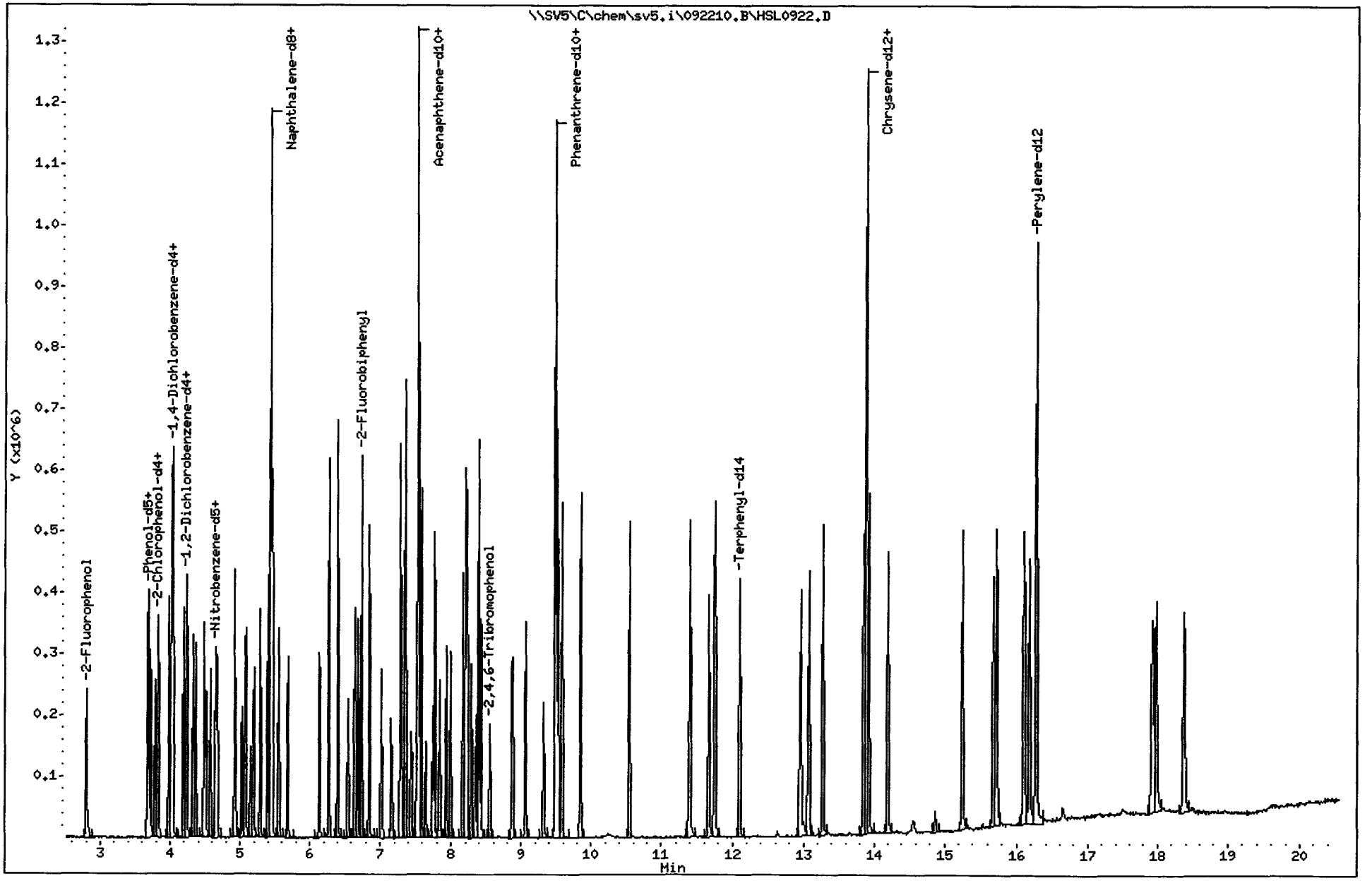
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\092210.B\HSL0922.D
Date : 22-SEP-2010 14:50
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	0.6909870	5.000	PASS
Benzidine	0.3745525	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	227473	9.7	20.5	PASS

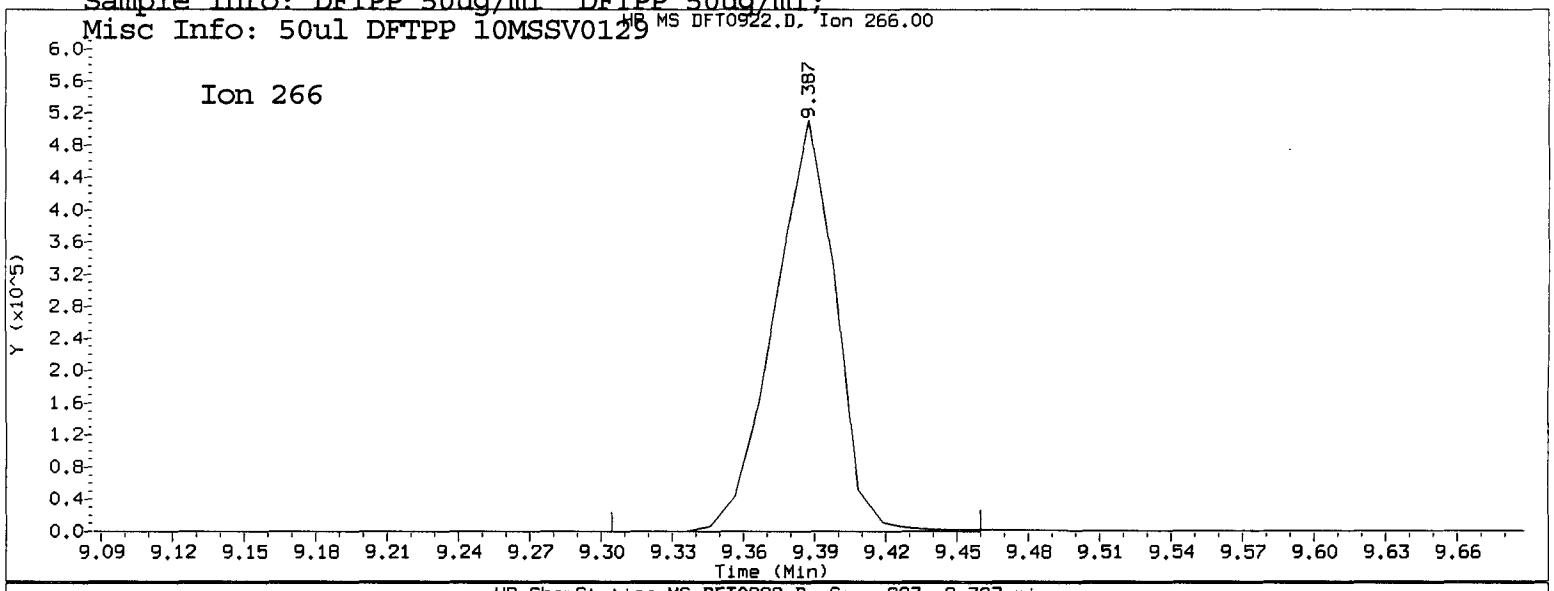
****
*** PASSED ***
****

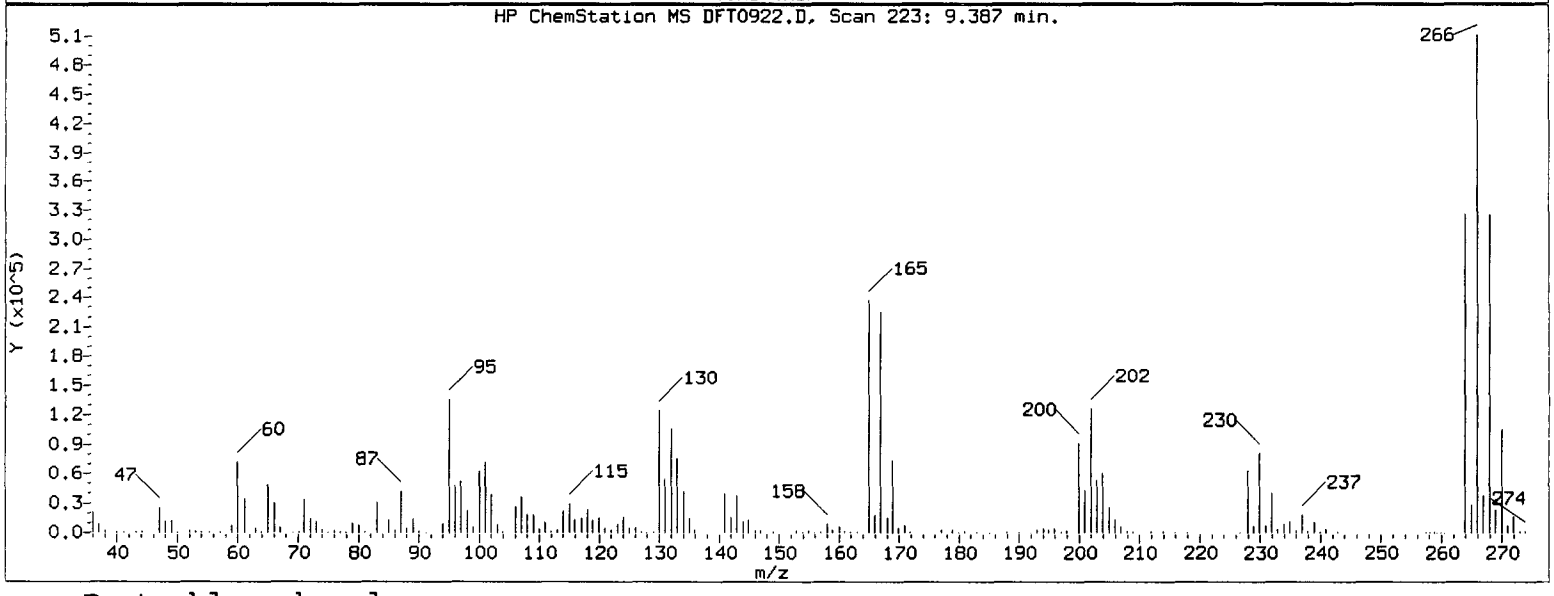
Sample //SV5/C/chem/sv5.i/092210.B/DFT0922.D/DFT0922.D

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 09/22/2010 15:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092210.B/DFT0922.D/DFT0922.D
Method Used: \\SV5\C\chem\sv5.i\092210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-SEP-2010 14:29 Operator: SRS
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Pentachlorophenol
==========
Exp. RT = 9.771
Found RT = 9.387

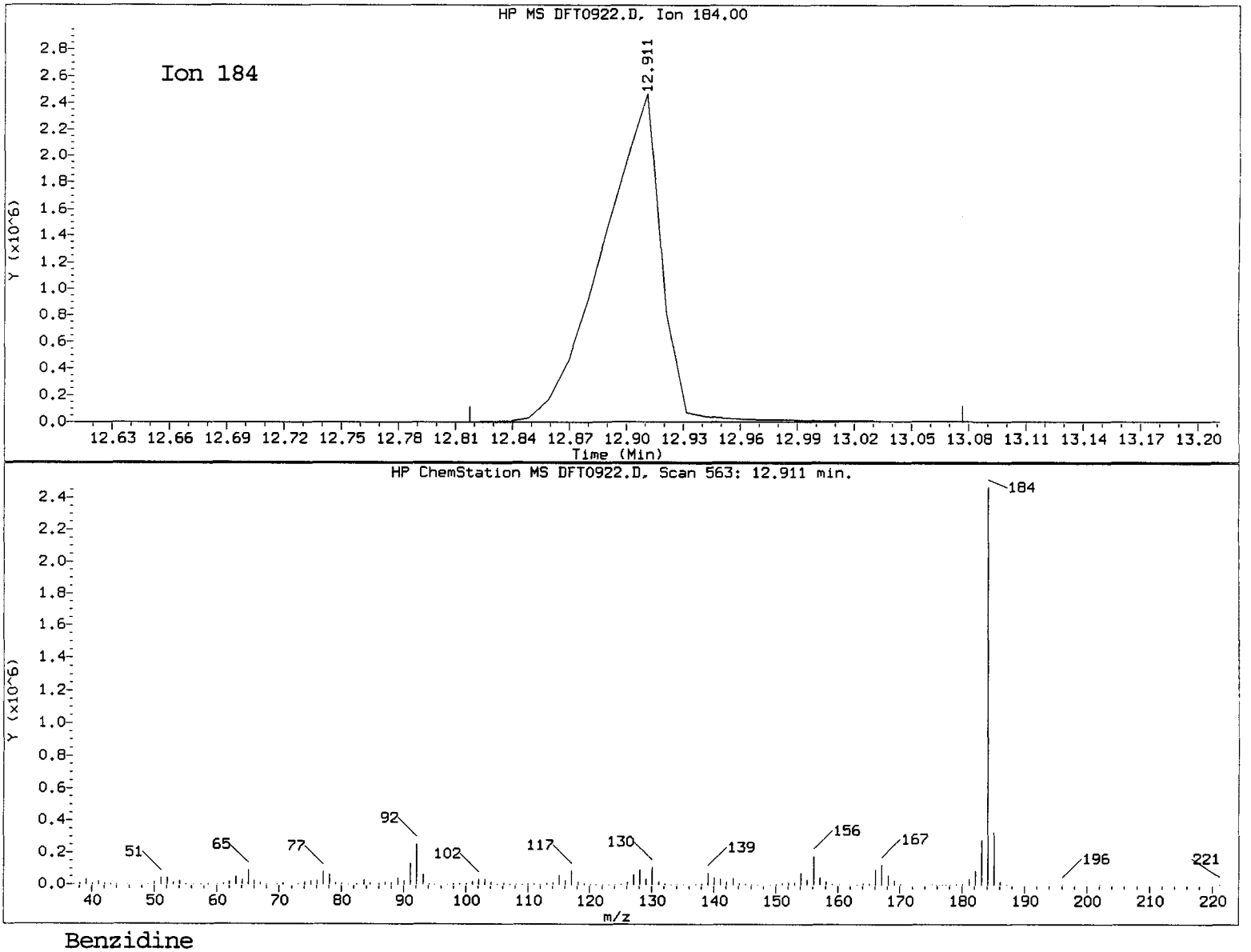
Time1 = 9.357012 Time2 = 9.38745 Time3 = 9.408482
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.691 Maximum Allowed = 5.0

Report Date: 09/22/2010 15:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092210.B/DFT0922.D/DFT0922.D
Method Used: \\SV5\C\chem\sv5.i\092210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-SEP-2010 14:29 Operator: SRS
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
 Exp. RT = 13.315
Found RT = 12.911

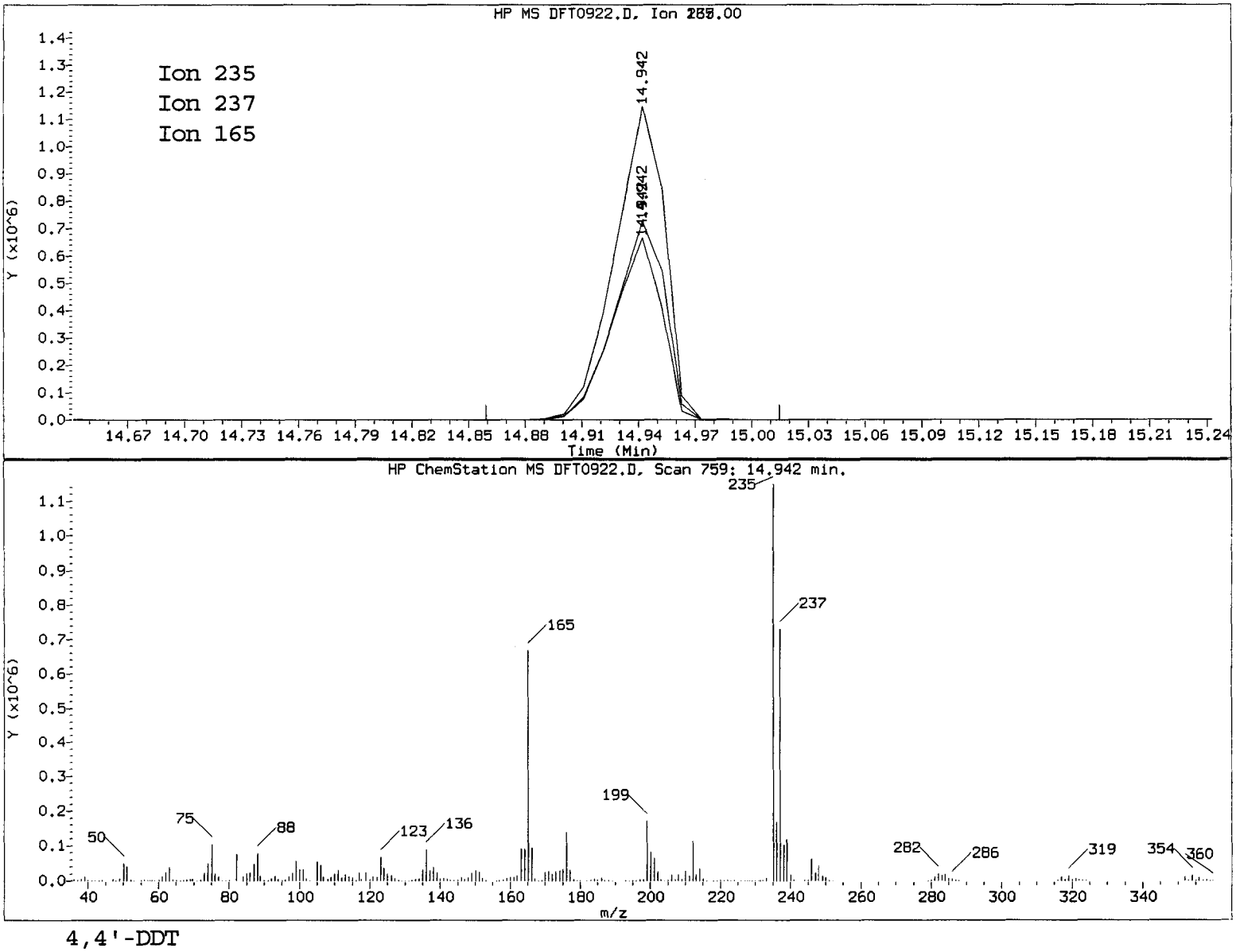
Time1 = 12.86211 Time2 = 12.91088 Time3 = 12.92915
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.375 Maximum Allowed = 3.0

Report Date: 09/22/2010 15:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092210.B/DFT0922.D/DFT0922.D
Method Used: \\SV5\C\chem\sv5.i\092210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-SEP-2010 14:29 Operator: SRS
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

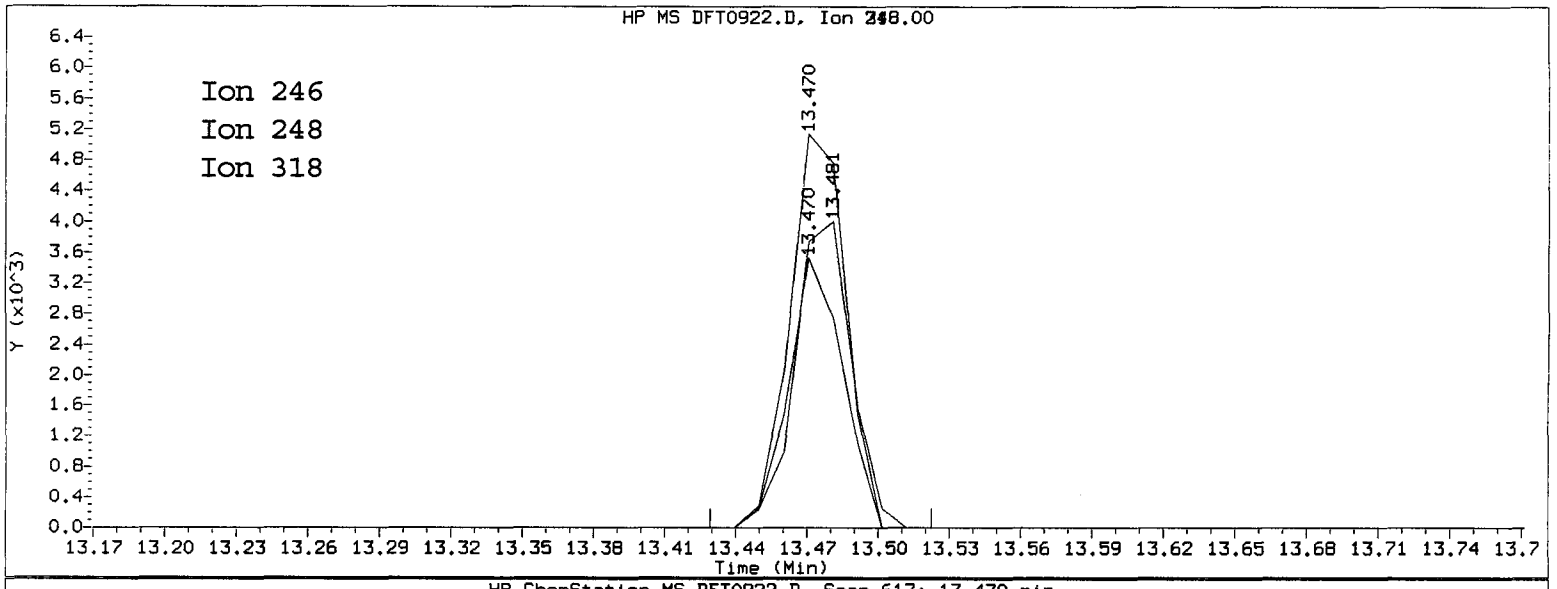


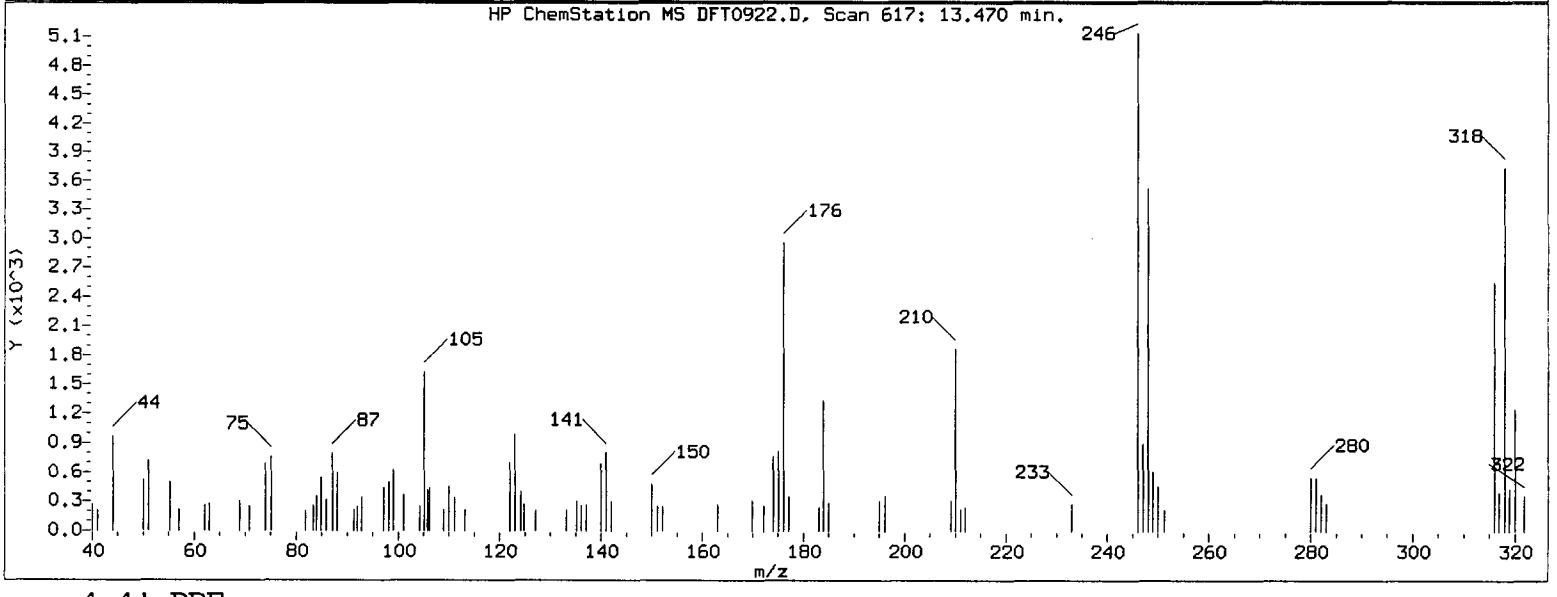
4,4'-DDT
========
Exp. RT = 15.180
Found RT = 14.942

Mass	Area	Ratio
235	2116086	100.00
237	1351104	63.85
165	1205558	56.97

Report Date: 09/22/2010 15:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092210.B/DFT0922.D/DFT0922.D
Method Used: \\SV5\C\chem\sv5.i\092210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-SEP-2010 14:29 Operator: SRS
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



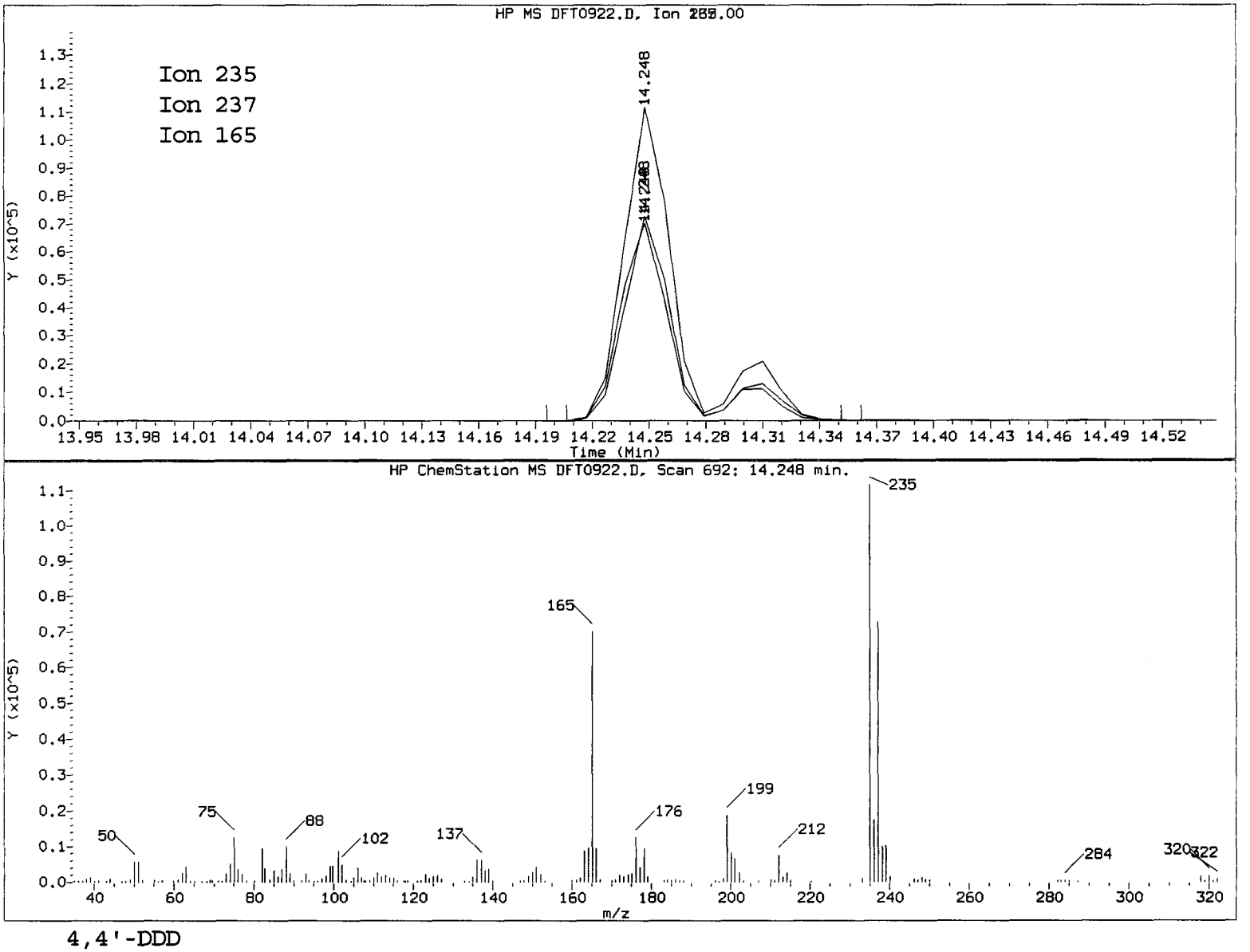


4,4'-DDE
========
Exp. RT = 13.719
Found RT = 13.470

Mass	Area	Ratio
246	8528	100.00
248	5658	66.35
318	6707	78.64

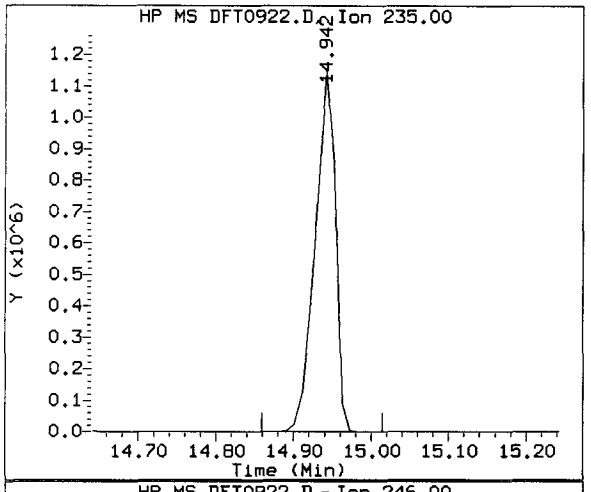
Report Date: 09/22/2010 15:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092210.B/DFT0922.D/DFT0922.D
Method Used: \\SV5\C\chem\sv5.i\092210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-SEP-2010 14:29 Operator: SRS
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

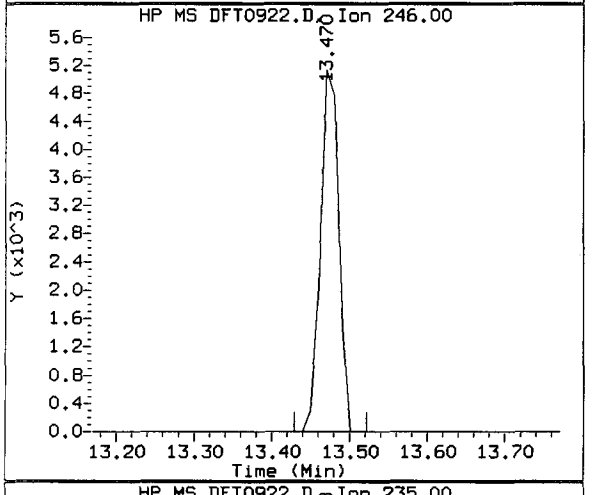


4,4'-DDD
========
Exp. RT = 14.652
Found RT = 14.248

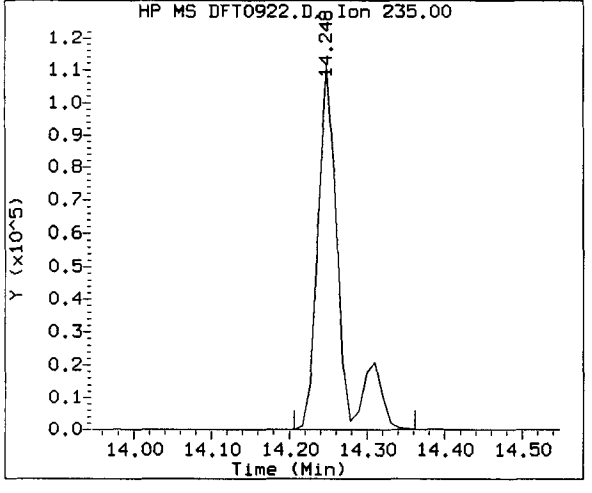
Mass	Area	Ratio
235	218945	100.00
237	140363	64.11
165	136081	62.15



Compound: 4,4'-DDT
Quant Mass: 235
RT: 14.942
Area: 2116086



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.470
Area: 8528



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.248
Area: 218945

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	227473	9.7	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\092210.B\DFT0922.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 22-SEP-2010 14:29
Operator : SRS Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\092210.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)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
10.827	11.201	(0.000)	198	601920			0.00- 100.00	100.00
10.827	11.201	(0.000)	51	274240			30.00- 80.00	45.56
10.827	11.201	(0.000)	68	4122			0.00- 2.00	1.62
10.827	11.201	(0.000)	69	255168			0.00- 0.00	42.39
10.827	11.201	(0.000)	70	1296			0.00- 2.00	0.51
10.827	11.201	(0.000)	127	343808			25.00- 75.00	57.12
10.827	11.201	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
10.827	11.201	(0.000)	199	40840			5.00- 9.00	6.78
10.827	11.201	(0.000)	275	130280			10.00- 30.00	21.64
10.827	11.201	(0.000)	365	16888			0.75- 0.00	2.81
10.827	11.201	(0.000)	441	75984			0.01- 99.99	74.76
10.827	11.201	(0.000)	442	521856			40.00- 110.00	86.70
10.827	11.201	(0.000)	443	101632			15.00- 24.00	19.48

Data File: \\SV5\C\chem\sv5.i\092210.B\DFT0922.D

Date : 22-SEP-2010 14:29

Client ID:

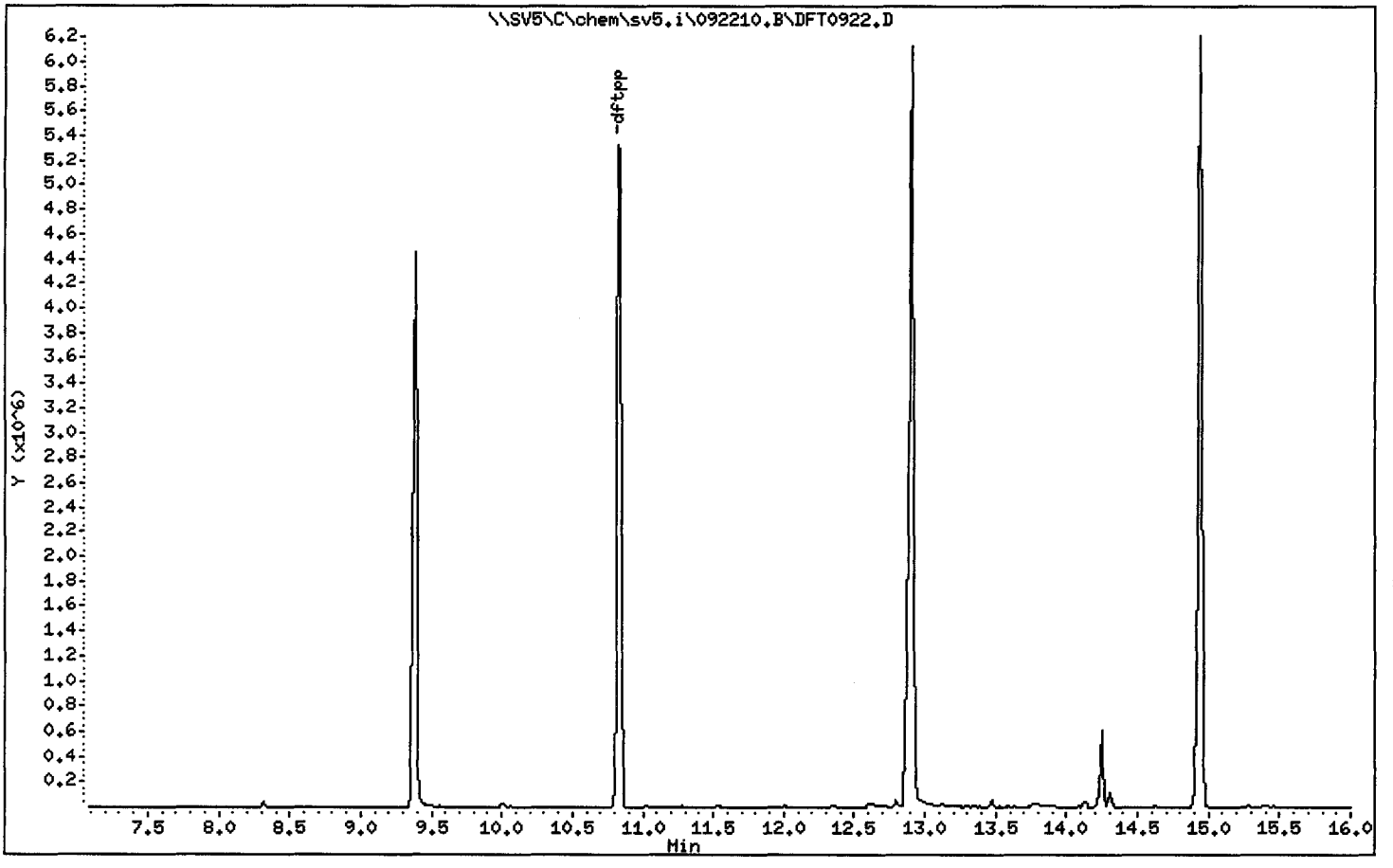
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml

Operator: SRS

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\092210.B\DFT0922.D

Date : 22-SEP-2010 14:29

Client ID:

Instrument: sv5.i

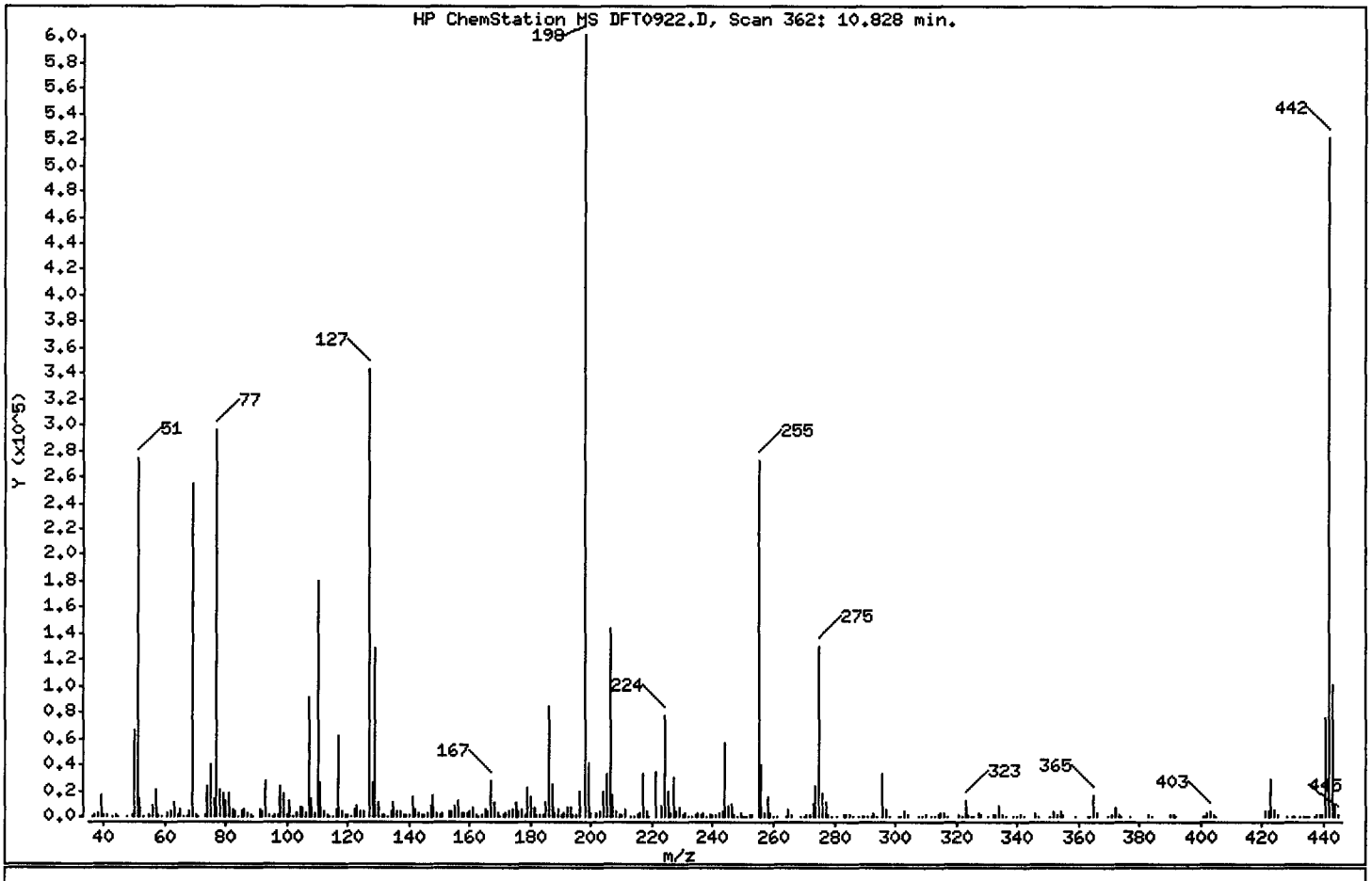
Sample Info: DFTPP 50ug/ml;

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	45.56
68	Less than 2.00% of mass 69	0.68 (1.62)
69	Mass 69 relative abundance	42.39
70	Less than 2.00% of mass 69	0.22 (0.51)
127	25.00 - 75.00% of mass 198	57.12
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	21.64
365	Greater than 0.75% of mass 198	2.81
441	Present, but less than mass 443	12.62
442	40.00 - 110.00% of mass 198	86.70
443	15.00 - 24.00% of mass 442	16.88 (19.48)

Date : 22-SEP-2010 14:29

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: SRS

Column phase: Column diameter: 2.00

Data File: DFT0922.D
Spectrum: HP ChemStation MS DFT0922.D, Scan 362: 10.828 min.
Location of Maximum: 198.00
Number of points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	235	124.10	4063	209.10	1357	303.10	4507
37.10	759	125.00	4318	210.10	1969	304.10	1272
38.00	2744	127.00	343808	211.10	4924	308.00	509
39.10	17136	128.00	25680	213.00	376	309.10	296
40.10	1140	129.00	129104	214.00	281	310.00	778
41.00	856	130.00	10388	215.00	1521	312.10	235
43.10	338	131.00	1888	216.00	2840	312.90	550
44.10	762	132.00	1276	217.00	32576	314.00	1625
44.90	616	133.10	438	218.00	4054	314.90	3349
47.90	288	134.00	4212	219.10	586	316.10	2213
49.20	2028	135.00	10438	221.00	34064	317.10	556
50.10	66144	136.00	4212	223.00	8026	321.10	983
51.10	274240	137.10	4328	224.10	77080	322.10	593
52.10	14221	138.10	1071	225.10	19976	323.10	12526
53.10	565	139.00	970	226.10	2273	324.00	2013
55.00	1269	140.10	1357	227.00	29904	325.10	263
56.00	7765	141.00	15306	228.00	4258	325.90	247
57.00	21424	142.00	6061	229.00	6403	327.10	2119
58.00	986	143.00	3247	230.00	1012	328.00	1247
59.10	257	144.00	913	231.00	2544	330.10	275
61.00	3273	145.00	1181	232.10	529	332.00	1046
62.00	3855	146.10	3342	233.00	559	333.00	1077
63.10	11212	147.00	8095	234.10	1744	334.00	7668
64.10	1682	148.00	17224	235.00	2253	335.00	1776
65.10	5560	149.00	3274	236.00	1582	336.10	432
66.10	448	150.00	993	237.00	2219	339.00	287
67.10	425	151.10	2443	238.00	427	340.10	211
68.10	4122	153.00	4445	239.00	827	341.00	1237
69.00	255168	154.00	3644	240.00	763	342.10	538
70.00	1296	155.10	8702	241.10	1637	346.00	2195
71.10	301	156.10	12794	242.10	3435	347.10	419
73.10	1662	157.10	2757	243.10	4584	350.60	259
74.00	23456	158.00	2878	244.10	56184	352.00	4002
75.00	39960	159.00	2270	245.10	7822	353.00	2026
76.10	13194	160.00	4643	246.00	9201	354.10	4118

Date : 22-SEP-2010 14:29

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: SRS

Column phase: Column diameter: 2.00

Data File: DFT0922.D
Spectrum: HP ChemStation MS DFT0922.D, Scan 362: 10.828 min.
Location of Maximum: 198.00
Number of points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.10	295808	161.00	6400	247.00	1991	355.10	741
78.10	20112	162.10	1909	248.00	603	358.80	222
79.00	17504	162.90	526	249.10	2325	363.20	223
80.00	12527	164.10	750	249.90	549	363.80	311
81.00	18320	165.00	5517	250.50	361	365.00	16888
82.00	5470	166.00	4291	251.10	543	366.00	2400
83.00	4559	167.10	27144	252.00	777	370.00	368
84.10	415	168.00	11728	253.10	1761	370.90	977
85.10	4038	169.10	2317	255.00	272832	372.00	6401
86.00	5074	170.00	632	256.00	40344	373.10	1724
87.10	2647	171.10	1096	257.00	3390	374.10	278
88.00	990	172.00	2465	258.00	15597	377.00	329
89.00	459	173.00	3560	259.00	2863	383.00	1872
91.00	4958	174.00	5706	259.80	635	384.00	467
92.00	4730	175.10	11281	261.00	502	390.00	1117
93.00	27464	176.00	3946	264.10	687	391.10	837
94.00	1933	177.00	5086	265.00	5987	392.10	388
95.10	541	178.00	1895	266.00	966	400.70	215
96.00	1433	179.00	21800	269.10	206	401.10	356
97.10	868	180.10	15208	270.00	413	402.00	3274
98.00	23640	181.00	7302	271.00	697	403.00	3985
99.00	17744	182.00	1030	272.00	927	404.10	1613
100.10	1557	183.10	838	273.00	8999	405.00	250
101.00	11882	184.00	1810	274.00	24176	421.00	4301
102.10	473	185.00	10849	275.00	130280	422.00	3557
103.00	3395	186.10	83824	276.10	18232	423.00	28984
104.00	7172	187.00	25160	277.00	11223	424.10	5477
105.00	6962	188.10	2348	278.00	1453	425.00	734
106.00	2389	189.00	5327	279.00	337	428.20	293
107.00	91824	190.00	771	281.10	206	430.20	293
108.00	13938	191.00	2247	283.00	917	430.60	285
109.10	3014	192.00	6611	284.10	976	432.20	374
110.00	180544	193.00	6412	285.10	2030	433.30	462
111.00	25824	194.00	1710	286.00	444	434.00	313
112.00	3601	195.10	1345	288.10	240	434.70	386

Date : 22-SEP-2010 14:29

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: SRS

Column phase: Column diameter: 2.00

Data File: DFT0922.D
Spectrum: HP ChemStation MS DFT0922.D, Scan 362: 10.828 min.
Location of Maximum: 198.00
Number of points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.10	817	196.00	19784	289.00	578	435.30	422
114.00	370	198.00	601920	289.90	379	437.00	560
114.80	306	199.00	40840	291.00	213	437.80	859
116.00	5583	200.00	3346	292.10	619	438.80	890
117.00	62232	201.50	2989	293.00	2562	439.50	831
118.00	4787	203.00	4123	294.10	636	441.00	75984
119.00	833	204.10	19624	296.00	33144	442.00	521856
120.00	1014	205.10	33168	297.10	4844	443.00	101632
121.10	429	206.10	143360	298.00	350	444.00	9374
122.10	6021	207.10	17200	300.90	364	445.10	821
123.00	8971	208.10	3874	302.00	653		

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092210.B\S092216.D
Lab Smp Id: L674T1AA G0I200000- Client Smp ID: 0263337
Inj Date : 23-SEP-2010 01:09
Operator : SRS Inst ID: sv5.i
Smp Info : L674T1AA G0I200000-337B;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\092210.B\8270F.m
Meth Date : 22-Sep-2010 18:16 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 16
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	4.028	4.018	(1.000)	100303	40.0000	(Q)
* 2 Naphthalene-d8	136	5.438	5.438	(1.000)	452474	40.0000	
* 3 Acenaphthene-d10	164	7.541	7.541	(1.000)	247823	40.0000	
* 4 Phenanthrene-d10	188	9.490	9.490	(1.000)	399889	40.0000	
* 5 Chrysene-d12	240	13.884	13.884	(1.000)	409017	40.0000	
* 6 Perylene-d12	264	16.267	16.277	(1.000)	425368	40.0000	
$ 7 2-Fluorophenol	112	2.805	2.795	(0.696)	227940	61.4513	61.45
$ 8 Phenol-d5	99	3.676	3.676	(0.913)	318224	66.9778	66.98
$ 10 1,2-Dichlorobenzene-d4	152	4.225	4.225	(1.049)	88748	35.5944	35.59(q)
$ 11 Nitrobenzene-d5	82	4.650	4.650	(0.855)	132798	32.8856	32.88
$ 12 2-Fluorobiphenyl	172	6.743	6.744	(0.894)	276091	35.2011	35.20
$ 13 2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	101390	104.581	104.6
$ 14 Terphenyl-d14	244	12.111	12.112	(0.872)	330434	41.7527	41.75
108 Hexachlorobenzene	284	Compound Not Detected.					

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092216.D
Lab Smp Id: L674T1AA G0I200000-
Analysis Type: SV
Quant Type: ISTD
Operator: SRS
Method File: \\SV5\C\chem\sv5.i\092210.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

Calibration Date: 22-SEP-2010
Calibration Time: 17:46
Client Smp ID: 0263337
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	100303	-10.76
2 Naphthalene-d8	494728	247364	989456	452474	-8.54
3 Acenaphthene-d10	264752	132376	529504	247823	-6.39
4 Phenanthrene-d10	415811	207906	831622	399889	-3.83
5 Chrysene-d12	431516	215758	863032	409017	-5.21
6 Perylene-d12	416460	208230	832920	425368	2.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.02	3.52	4.52	4.03	0.26
2 Naphthalene-d8	5.44	4.94	5.94	5.44	-0.00
3 Acenaphthene-d10	7.54	7.04	8.04	7.54	-0.00
4 Phenanthrene-d10	9.49	8.99	9.99	9.49	-0.00
5 Chrysene-d12	13.88	13.38	14.38	13.88	-0.00
6 Perylene-d12	16.28	15.78	16.78	16.27	-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.

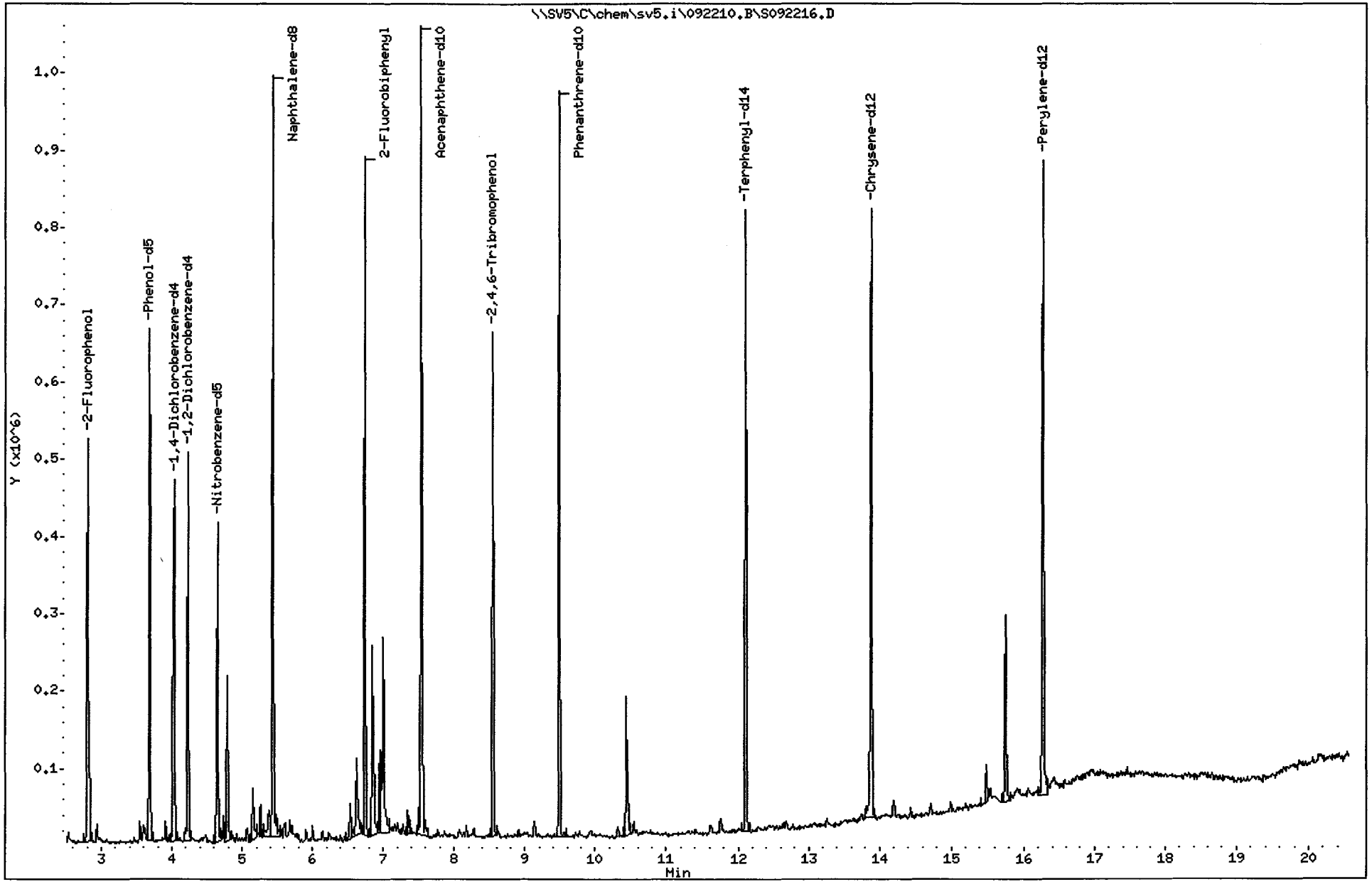
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L674T1AA G0I200000- Client Smp ID: 0263337
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\092210.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	61.45	61.45	41-105
$ 8 Phenol-d5	100.0	66.98	66.98	43-122
$ 10 1,2-Dichlorobenzen	50.00	35.59	71.19	60-120
$ 11 Nitrobenzene-d5	50.00	32.88	65.77	46-118
$ 12 2-Fluorobiphenyl	50.00	35.20	70.40	58-105
$ 13 2,4,6-Tribromophen	100.0	104.6	104.58	61-118
$ 14 Terphenyl-d14	50.00	41.75	83.51	69-110

Data File: \\SV5\C\chem\sv5.i\092210.B\S092216.D
Date : 23-SEP-2010 01:09
Client ID: 0263337
Instrument: sv5.i
Sample Info: L674T1AA G0I200000-337B;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Operator: SRS
Column phase:
Column diameter: 2.00



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Method 8270C

Data file : \\SV5\C\chem\sv5.i\092210.B\S092217.D
Lab Smp Id: L674T1AC G0I200000-
Inj Date : 23-SEP-2010 01:35
Operator : SRS Inst ID: sv5.i
Smp Info : L674T1AC G0I200000-33C;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\092210.B\8270F.m
Meth Date : 22-Sep-2010 18:16 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.028	4.018	(1.000)	95112	40.0000	
*	2 Naphthalene-d8	136	5.438	5.438	(1.000)	416643	40.0000	
*	3 Acenaphthene-d10	164	7.541	7.541	(1.000)	226034	40.0000	
*	4 Phenanthrene-d10	188	9.490	9.490	(1.000)	366518	40.0000	
*	5 Chrysene-d12	240	13.883	13.884	(1.000)	368088	40.0000	
*	6 Perylene-d12	264	16.267	16.277	(1.000)	387490	40.0000	
$	7 2-Fluorophenol	112	2.805	2.795	(0.696)	258968	73.6267	73.63
$	8 Phenol-d5	99	3.686	3.676	(0.915)	379496	84.2333	84.23
$	10 1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$	11 Nitrobenzene-d5	82	4.650	4.650	(0.855)	145526	39.1367	39.14
$	12 2-Fluorobiphenyl	172	6.743	6.744	(0.894)	325018	45.4339	45.43
$	13 2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	97396	110.145	110.1
$	14 Terphenyl-d14	244	12.111	12.112	(0.872)	297893	41.8264	41.83
	108 Hexachlorobenzene	284	9.065	9.065	(0.955)	179568	94.4703	94.47

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092217.D
Lab Smp Id: L674T1AC G0I200000-
Analysis Type: SV
Quant Type: ISTD
Operator: SRS
Method File: \\SV5\C\chem\sv5.i\092210.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 22-SEP-2010
Calibration Time: 17:46
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	95112	-15.38
2 Naphthalene-d8	494728	247364	989456	416643	-15.78
3 Acenaphthene-d10	264752	132376	529504	226034	-14.62
4 Phenanthrene-d10	415811	207906	831622	366518	-11.85
5 Chrysene-d12	431516	215758	863032	368088	-14.70
6 Perylene-d12	416460	208230	832920	387490	-6.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.02	3.52	4.52	4.03	0.25
2 Naphthalene-d8	5.44	4.94	5.94	5.44	-0.00
3 Acenaphthene-d10	7.54	7.04	8.04	7.54	-0.00
4 Phenanthrene-d10	9.49	8.99	9.99	9.49	-0.00
5 Chrysene-d12	13.88	13.38	14.38	13.88	-0.00
6 Perylene-d12	16.28	15.78	16.78	16.27	-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: L674T1AC G0I200000-
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\092210.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	94.47	94.47	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	73.63	73.63	41-105
$ 8 Phenol-d5	100.0	84.23	84.23	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	39.14	78.27	46-118
$ 12 2-Fluorobiphenyl	50.00	45.43	90.87	58-105
$ 13 2,4,6-Tribromophen	100.0	110.1	110.15	61-118
$ 14 Terphenyl-d14	50.00	41.83	83.65	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092210.B\S092217.D
Lab Smp Id: L674T1AC G0I200000-
Inj Date : 23-SEP-2010 01:35
Operator : SRS Inst ID: sv5.i
Smp Info : L674T1AC G0I200000-33C;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\092210.B\8270F.m
Meth Date : 22-Sep-2010 18:16 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

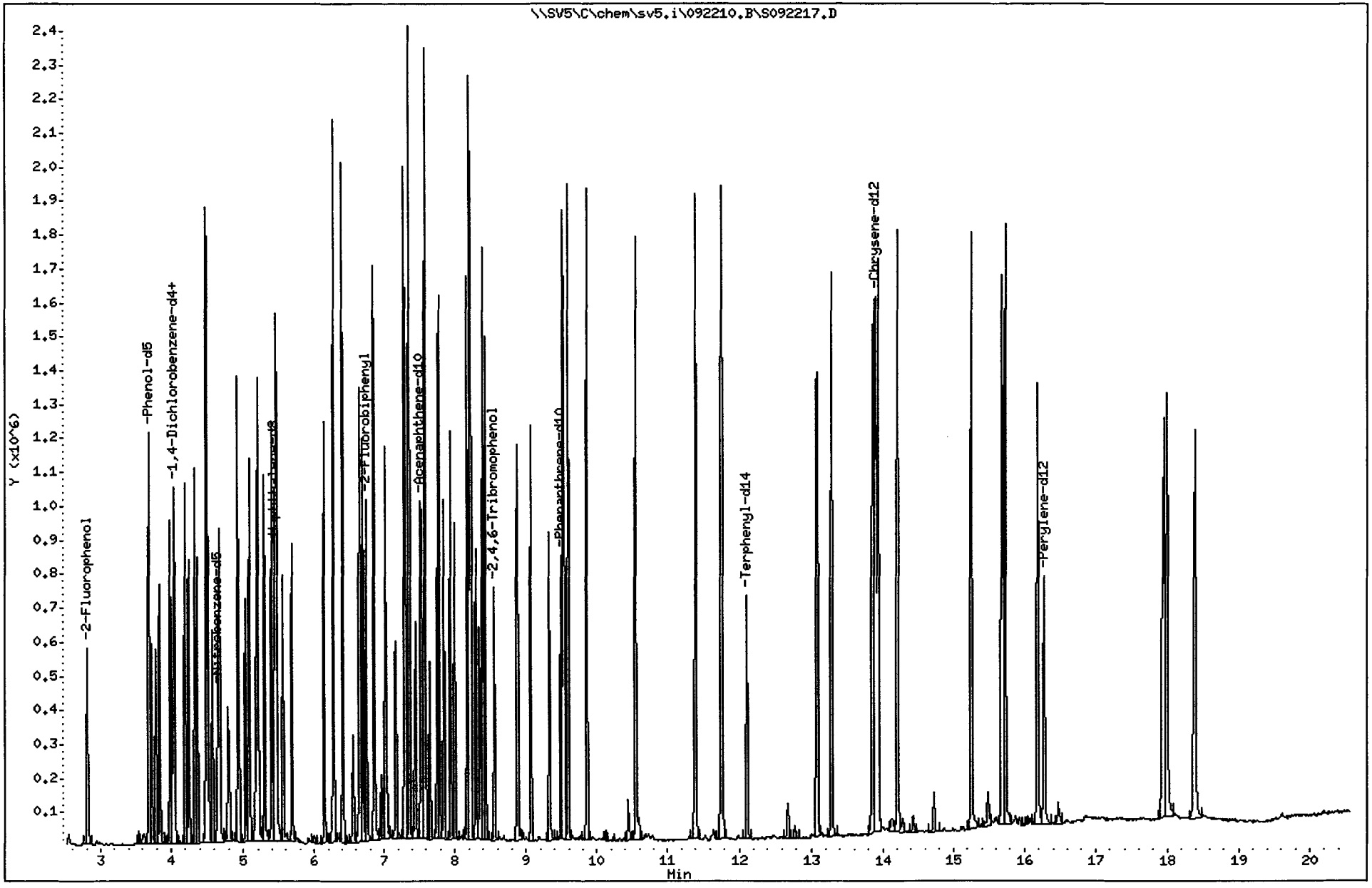
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.028	4.018	(1.000)	95112	40.0000	
* 2	Naphthalene-d8	136	5.438	5.438	(1.000)	416643	40.0000	
* 3	Acenaphthene-d10	164	7.541	7.541	(1.000)	226034	40.0000	
* 4	Phenanthrene-d10	188	9.490	9.490	(1.000)	366518	40.0000	
* 5	Chrysene-d12	240	13.883	13.884	(1.000)	368088	40.0000	
* 6	Perylene-d12	264	16.267	16.277	(1.000)	387490	40.0000	
$ 7	2-Fluorophenol	112	2.805	2.795	(0.696)	258968	73.6267	73.63
$ 8	Phenol-d5	99	3.686	3.676	(0.915)	379496	84.2333	84.23
$ 10	1,2-Dichlorobenzene-d4	152	4.028	4.225	(1.000)	95112	40.2288	40.23(q)
$ 11	Nitrobenzene-d5	82	4.650	4.650	(0.855)	145526	39.1367	39.14
$ 12	2-Fluorobiphenyl	172	6.743	6.744	(0.894)	325018	45.4339	45.43
$ 13	2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	97396	110.145	110.1
$ 14	Terphenyl-d14	244	12.111	12.112	(0.872)	297893	41.8264	41.83
108	Hexachlorobenzene	284	9.065	9.065	(0.955)	179568	94.4703	94.47

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

Data File: \\SV5\C\chem\sv5.i\092210.B\S092217.D
Date : 23-SEP-2010 01:35
Client ID:
Sample Info: L674T1AC G0I200000-33C;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\092210.B\S092218.D
Lab Smp Id: L674T1AD G0I200000-
Inj Date : 23-SEP-2010 02:01
Operator : SRS Inst ID: sv5.i
Smp Info : L674T1AD G0I200000-337L;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\092210.B\8270F.m
Meth Date : 22-Sep-2010 18:16 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 18 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	4.028	4.018	(1.000)	95184	40.0000	
* 2	Naphthalene-d8	136	5.438	5.438	(1.000)	421547	40.0000	
* 3	Acenaphthene-d10	164	7.541	7.541	(1.000)	241762	40.0000	
* 4	Phenanthrene-d10	188	9.490	9.490	(1.000)	399048	40.0000	
* 5	Chrysene-d12	240	13.884	13.884	(1.000)	416646	40.0000	
* 6	Perylene-d12	264	16.267	16.277	(1.000)	438415	40.0000	
$ 7	2-Fluorophenol	112	2.806	2.795	(0.696)	236469	67.1792	67.18
$ 8	Phenol-d5	99	3.686	3.676	(0.915)	340471	75.5141	75.51
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.650	4.650	(0.855)	135568	36.0345	36.03
$ 12	2-Fluorobiphenyl	172	6.743	6.744	(0.894)	306618	40.0734	40.07
$ 13	2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	99852	105.577	105.6
$ 14	Terphenyl-d14	244	12.112	12.112	(0.872)	324265	40.2230	40.22
108	Hexachlorobenzene	284	9.065	9.065	(0.955)	186673	90.2024	90.20

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092218.D
Lab Smp Id: L674T1AD G0I200000-
Analysis Type: SV
Quant Type: ISTD
Operator: SRS
Method File: \\SV5\C\chem\sv5.i\092210.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 22-SEP-2010
Calibration Time: 17:46
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	112399	56200	224798	95184	-15.32
2 Naphthalene-d8	494728	247364	989456	421547	-14.79
3 Acenaphthene-d10	264752	132376	529504	241762	-8.68
4 Phenanthrene-d10	415811	207906	831622	399048	-4.03
5 Chrysene-d12	431516	215758	863032	416646	-3.45
6 Perylene-d12	416460	208230	832920	438415	5.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.02	3.52	4.52	4.03	0.26
2 Naphthalene-d8	5.44	4.94	5.94	5.44	0.00
3 Acenaphthene-d10	7.54	7.04	8.04	7.54	-0.00
4 Phenanthrene-d10	9.49	8.99	9.99	9.49	-0.00
5 Chrysene-d12	13.88	13.38	14.38	13.88	0.00
6 Perylene-d12	16.28	15.78	16.78	16.27	-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: L674T1AD G0I200000-
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\092210.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	90.20	90.20	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	67.18	67.18	41-105
$ 8 Phenol-d5	100.0	75.51	75.51	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	36.03	72.07	46-118
$ 12 2-Fluorobiphenyl	50.00	40.07	80.15	58-105
$ 13 2,4,6-Tribromophen	100.0	105.6	105.58	61-118
$ 14 Terphenyl-d14	50.00	40.22	80.45	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092210.B\S092218.D
Lab Smp Id: L674T1AD G0I200000-
Inj Date : 23-SEP-2010 02:01
Operator : SRS Inst ID: sv5.i
Smp Info : L674T1AD G0I200000-337L;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\092210.B\8270F.m
Meth Date : 22-Sep-2010 18:16 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 18 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

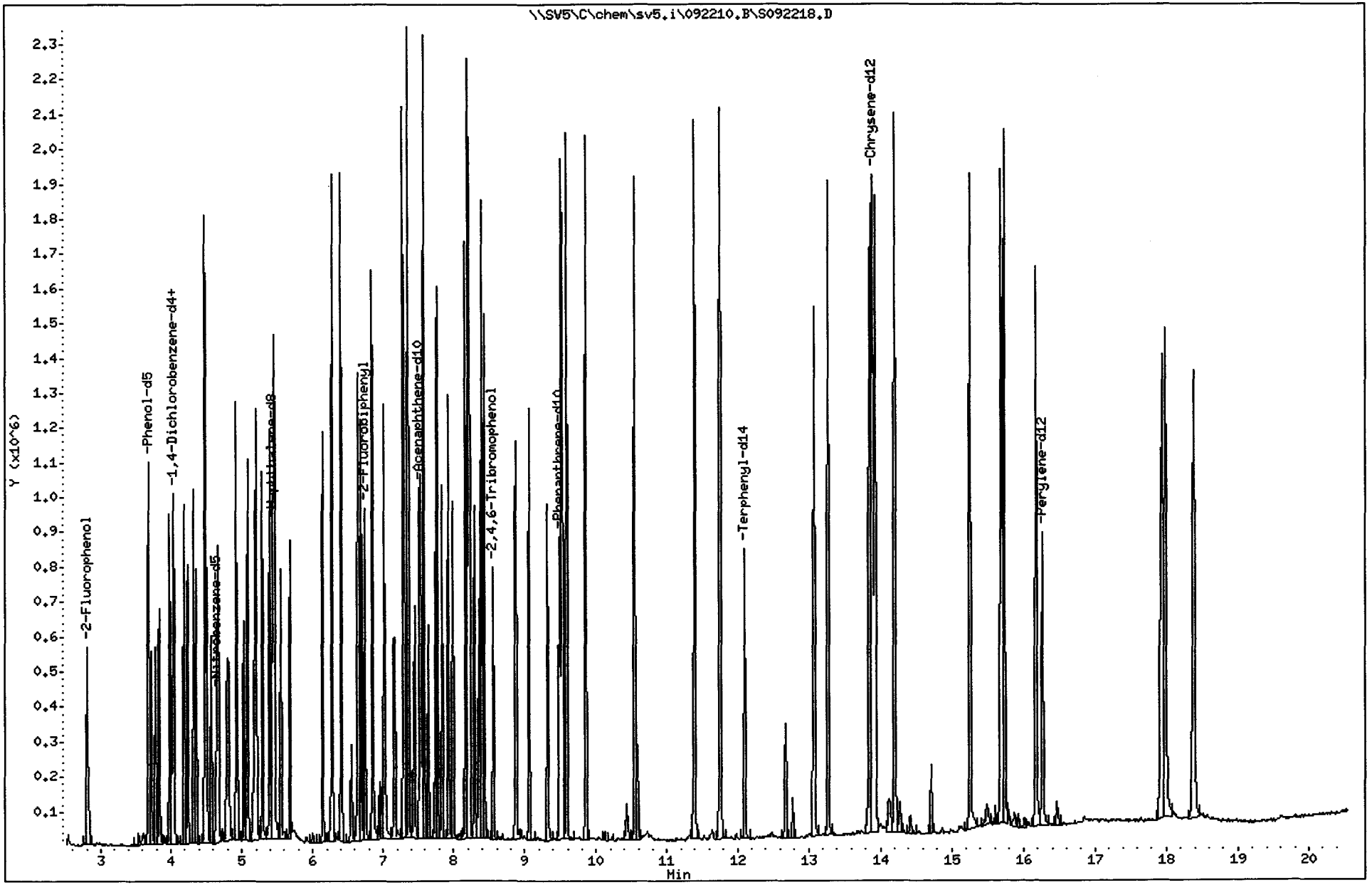
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.028	4.018	(1.000)	95184	40.0000	
* 2	Naphthalene-d8	136	5.438	5.438	(1.000)	421547	40.0000	
* 3	Acenaphthene-d10	164	7.541	7.541	(1.000)	241762	40.0000	
* 4	Phenanthrene-d10	188	9.490	9.490	(1.000)	399048	40.0000	
* 5	Chrysene-d12	240	13.884	13.884	(1.000)	416646	40.0000	
* 6	Perylene-d12	264	16.267	16.277	(1.000)	438415	40.0000	
$ 7	2-Fluorophenol	112	2.806	2.795	(0.696)	236469	67.1792	67.18
$ 8	Phenol-d5	99	3.686	3.676	(0.915)	340471	75.5141	75.51
$ 10	1,2-Dichlorobenzene-d4	152	4.028	4.225	(1.000)	95184	40.2288	40.23(q)
$ 11	Nitrobenzene-d5	82	4.650	4.650	(0.855)	135568	36.0345	36.03
$ 12	2-Fluorobiphenyl	172	6.743	6.744	(0.894)	306618	40.0734	40.07
$ 13	2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	99852	105.577	105.6
$ 14	Terphenyl-d14	244	12.112	12.112	(0.872)	324265	40.2230	40.22
108	Hexachlorobenzene	284	9.065	9.065	(0.955)	186673	90.2024	90.20

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

Data File: \\SV5\C\chem\sv5.i\092210.B\S092218.D
Date : 23-SEP-2010 02:01
Client ID:
Instrument: sv5.i
Sample Info: L674T1AD G0I200000-337L;3;LCSD;;1000;;1000;2
Volume Injected (uL): 1.0
Operator: SRS
Column phase:
Column diameter: 2.00



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Method 8270C

Data file : \\SV5\C\chem\sv5.i\092210.B\S092219.D
Lab Smp Id: L66481AA G0I180489- Client Smp ID: 0263337
Inj Date : 23-SEP-2010 02:27
Operator : SRS Inst ID: sv5.i
Smp Info : L66481AA G0I180489-7;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\092210.B\8270F.m
Meth Date : 22-Sep-2010 18:16 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 19
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	4.028	4.018	(1.000)	94402	40.0000		(Q)
* 2 Naphthalene-d8	136	5.438	5.438	(1.000)	405007	40.0000		
* 3 Acenaphthene-d10	164	7.542	7.541	(1.000)	215087	40.0000		
* 4 Phenanthrene-d10	188	9.490	9.490	(1.000)	346577	40.0000		
* 5 Chrysene-d12	240	13.884	13.884	(1.000)	344859	40.0000		
* 6 Perylene-d12	264	16.267	16.277	(1.000)	366146	40.0000		
$ 7 2-Fluorophenol	112	2.806	2.795	(0.696)	203520	58.2976	58.30	
$ 8 Phenol-d5	99	3.676	3.676	(0.913)	305289	68.2719	68.27	
$ 10 1,2-Dichlorobenzene-d4	152	4.225	4.225	(1.049)	49193	20.9633	20.96	(qR)
$ 11 Nitrobenzene-d5	82	4.650	4.650	(0.855)	111223	30.7709	30.77	
$ 12 2-Fluorobiphenyl	172	6.744	6.744	(0.894)	238856	35.0888	35.09	
$ 13 2,4,6-Tribromophenol	330	8.557	8.557	(1.135)	89634	106.527	106.5	
$ 14 Terphenyl-d14	244	12.112	12.112	(0.872)	278607	41.7534	41.75	
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.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092219.D
Lab Smp Id: L66481AA G0I180489-
Analysis Type: SV
Quant Type: ISTD
Operator: SRS
Method File: \\SV5\C\chem\sv5.i\092210.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

Calibration Date: 22-SEP-2010
Calibration Time: 17:46
Client Smp ID: 0263337
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	94402	-16.01
2 Naphthalene-d8	494728	247364	989456	405007	-18.14
3 Acenaphthene-d10	264752	132376	529504	215087	-18.76
4 Phenanthrene-d10	415811	207906	831622	346577	-16.65
5 Chrysene-d12	431516	215758	863032	344859	-20.08
6 Perylene-d12	416460	208230	832920	366146	-12.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.02	3.52	4.52	4.03	0.26
2 Naphthalene-d8	5.44	4.94	5.94	5.44	0.00
3 Acenaphthene-d10	7.54	7.04	8.04	7.54	0.00
4 Phenanthrene-d10	9.49	8.99	9.99	9.49	0.00
5 Chrysene-d12	13.88	13.38	14.38	13.88	0.00
6 Perylene-d12	16.28	15.78	16.78	16.27	-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

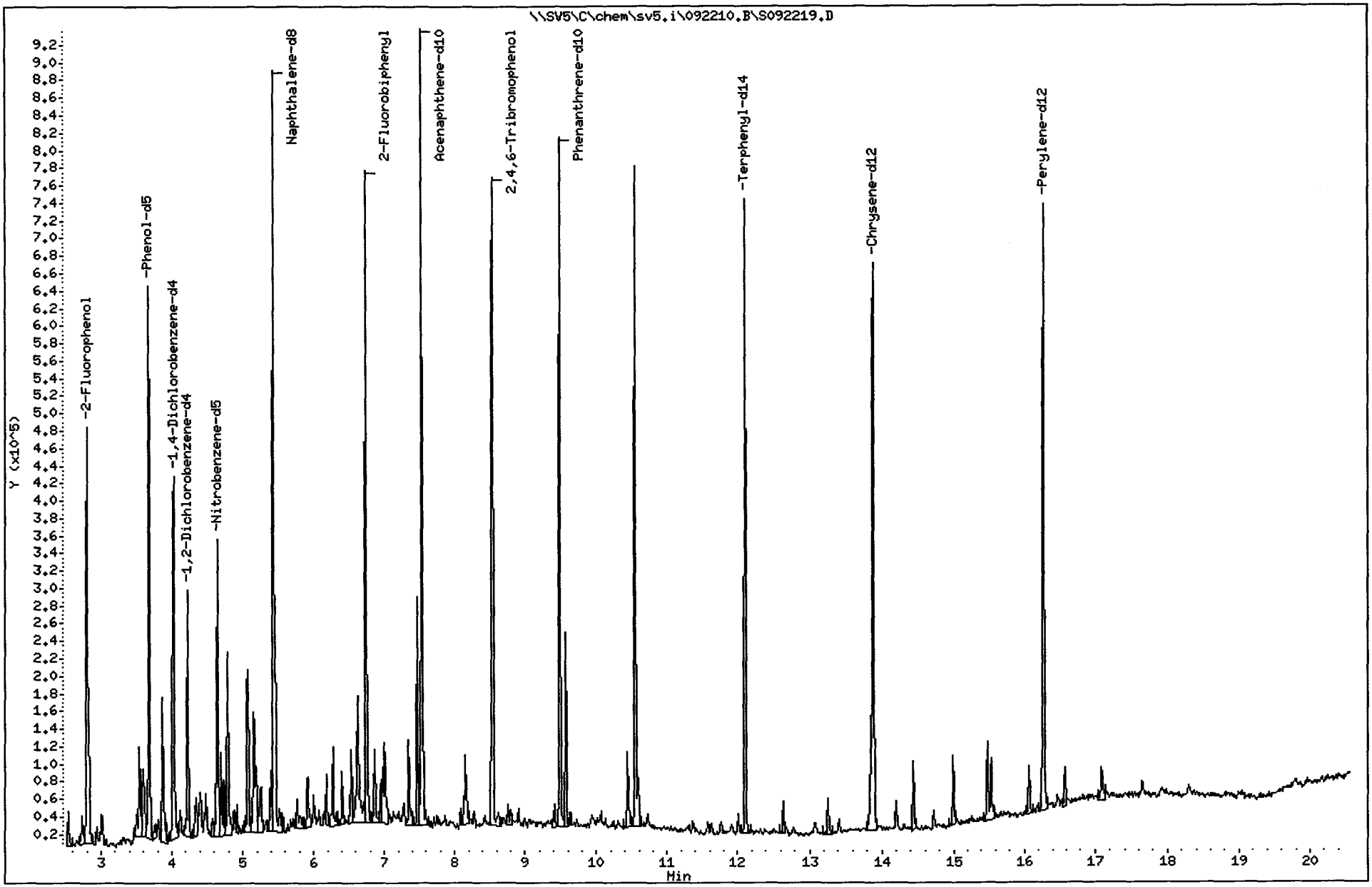
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L66481AA G0I180489- Client Smp ID: 0263337
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\092210.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	58.30	58.30	41-105
$ 8 Phenol-d5	100.0	68.27	68.27	43-122
$ 10 1,2-Dichlorobenzen	50.00	20.96	41.93*	60-120
$ 11 Nitrobenzene-d5	50.00	30.77	61.54	46-118
$ 12 2-Fluorobiphenyl	50.00	35.09	70.18	58-105
$ 13 2,4,6-Tribromophen	100.0	106.5	106.53	61-118
$ 14 Terphenyl-d14	50.00	41.75	83.51	69-110

Data File: \\SV5\C\chem\sv5.i\092210.B\S092219.D
Date : 23-SEP-2010 02:27
Client ID: 0263337
Sample Info: L66481AA GOI180489-7;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



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THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8270C CCV Checklist

Instrument: SV5 _____

ICAL Date: 08/23/10_____ DFTPP ID: DFT0924

Initiator/Date: KT-09/24/10 _____ Standard ID: HSL0924

Reviewer/Date: 9/24/10 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:_____	NA	☑ NA
Non-CCC ≤ 50% D	☒	☑

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

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

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

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

IV: AFCEE 3.1 and 4.0 QAPP Criteria

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

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 : 092410.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
24-SEP-2010	11:19	KT	Primer	QC001.D	NA	NA	NA		
24-SEP-2010	11:43	KT	DFTPP 50ug/ml	DFT0924.D	NA	NA	NA		
24-SEP-2010	12:07	KT	HSL_050 ug/ml CS-4	HSL0924.D	NA	NA	NA		
24-SEP-2010	12:32	KT	L64D71AA G0I160000-430B	S092401.D	30 g	1 mL	1	QL	
24-SEP-2010	12:58	KT	L6K4N1CA G0I040470-1 RI	S092402.D	1053.12 mL	1 mL	1	QL	Not conf. PX
24-SEP-2010	13:24	KT	L6T8H1CD G0I100613-10 RI	S092403.D	30.27 g	1 mL	1	QL	low surr. PX
24-SEP-2010	13:50	KT	L64D71AC G0I160000-430C	S092404.D	30 g	1 mL	1	QL	
24-SEP-2010	14:16	KT	L6T7C1CD G0I100612-1	S092405.D	30.2 g	1 mL	1	QL	
24-SEP-2010	14:42	KT	L6T7C1G0 G0I100612-1S	S092406.D	30.76 g	1 mL	1	QL	
24-SEP-2010	15:08	KT	L6T7C1G1 G0I100612-1D	S092407.D	29.89 g	1 mL	1	QL	
24-SEP-2010	15:35	KT	L6T7D1CD G0I100612-2	S092408.D	30.04 g	1 mL	1	QL	
24-SEP-2010	16:01	KT	L6T7E1CD G0I100612-3	S092409.D	29.56 g	1 mL	1	QL	
24-SEP-2010	16:27	KT	L6T7F1CD G0I100612-4	S092410.D	29.96 g	1 mL	1	QL	
24-SEP-2010	16:53	KT	L6T7G1CD G0I100612-5	S092411.D	29.66 g	1 mL	1	QL	
24-SEP-2010	17:19	KT	L6T7H1AD G0I100612-6	S092412.D	29.89 g	1 mL	1	QL	
24-SEP-2010	17:44	KT	L6T7J1CE G0I100612-7	S092413.D	30.07 g	1 mL	1	QL	
24-SEP-2010	18:10	KT	L674T1AA G0I20000-337B	S092414.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	18:36	KT	L674T1AC G0I20000-337C	S092415.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	19:02	KT	L674T1AD G0I20000-337L	S092416.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	19:28	KT	L66481AA G0I180489-7 RI	S092417.D	1000 Sa	1 mL	1	JZ	↓ surr.
24-SEP-2010	19:54	KT	L66491AA G0I180489-8 RI	S092418.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	20:38	KT	L665A1AA G0I180489-9 RI	S092419.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	20:46	KT	L665C1AA G0I180489-10 RI	S092420.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	21:13	KT	L665D1AA G0I180489-11 RI	S092421.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	21:39	KT	L665E1AA G0I180489-12 RI	S092422.D	1000 Sa	1 mL	1	JZ	
24-SEP-2010	22:05	KT	L6T7K1AD G0I100612-8	S092423.D	30.01 g	1 mL	1	QL	
24-SEP-2010	22:31	KT	L6T7L1CE G0I100612-9	S092424.D	30.03 g	1 mL	1	QL	↓ surr.
24-SEP-2010	22:57	KT	L6T7M1AD G0I100612-10	S092425.D	29.82 g	1 mL	1	QL	
24-SEP-2010	23:23	KT	L6T7N1CE G0I100612-11	S092426.D	29.48 g	1 mL	1	QL	

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

Notes:

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 24-SEP-2010 12:07
Lab File ID: HSL0924.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\092410.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.47923	1.45384	1.45384	0.010	-1.71660	50.00000	Averaged
$ 8 Phenol-d5	1.89473	1.77482	1.77482	0.010	-6.32865	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.59813	1.59828	1.59828	0.010	0.00904	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.99431	0.98534	0.98534	0.010	-0.90224	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.35699	0.35099	0.35099	0.010	-1.68123	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.26594	1.29990	1.29990	0.010	2.68227	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15648	0.18858	0.18858	0.010	20.51073	50.00000	Averaged
$ 14 Terphenyl-d14	0.77396	0.81308	0.81308	0.010	5.05492	50.00000	Averaged
15 N-Nitrosodimethylamine	1.01809	0.95478	0.95478	0.010	-6.21863	50.00000	Averaged
16 Pyridine	1.68687	1.62616	1.62616	0.010	-3.59890	50.00000	Averaged
23 Aniline	2.37259	2.28980	2.28980	0.010	-3.48951	50.00000	Averaged
24 Phenol	1.99436	1.98947	1.98947	0.010	-0.24527	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.52541	1.42175	1.42175	0.010	-6.79567	50.00000	Averaged
27 2-Chlorophenol	1.58023	1.56260	1.56260	0.010	-1.11540	50.00000	Averaged
28 1,3-Dichlorobenzene	1.74334	1.72059	1.72059	0.010	-1.30496	50.00000	Averaged
29 1,4-Dichlorobenzene	1.76599	1.80342	1.80342	0.010	2.11999	20.00000	Averaged
30 Benzyl Alcohol	1.08397	1.03461	1.03461	0.010	-4.55303	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66769	1.63719	1.63719	0.010	-1.82851	50.00000	Averaged
32 2-Methylphenol	1.48902	1.47250	1.47250	0.010	-1.10934	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.90571	2.23778	2.23778	0.010	-22.98674	50.00000	Averaged
34 4-Methylphenol	1.58517	1.49571	1.49571	0.010	-5.64350	50.00000	Averaged
36 Hexachloroethane	0.62210	0.61904	0.61904	0.010	-0.49137	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.11560	1.01803	1.01803	0.050	-8.74620	50.00000	Averaged
42 Nitrobenzene	0.35575	0.34342	0.34342	0.010	-3.46576	50.00000	Averaged
44 Isophorone	0.67537	0.64933	0.64933	0.010	-3.85543	50.00000	Averaged
45 2-Nitrophenol	0.19133	0.20658	0.20658	0.010	7.97211	20.00000	Averaged
46 2,4-Dimethyphenol	0.35866	0.37682	0.37682	0.010	5.06387	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.40130	0.40229	0.40229	0.010	0.24682	50.00000	Averaged
49 2,4-Dichlorophenol	0.26143	0.28364	0.28364	0.010	8.49657	20.00000	Averaged
50 Benzoic Acid	0.20092	0.22767	0.22767	0.010	13.31133	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.28301	0.29875	0.29875	0.010	5.55990	50.00000	Averaged
52 Naphthalene	1.11324	1.11931	1.11931	0.010	0.54535	50.00000	Averaged
54 4-Chloroaniline	0.43919	0.45086	0.45086	0.010	2.65676	50.00000	Averaged
57 Hexachlorobutadiene	0.13411	0.15469	0.15469	0.010	15.34392	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30380	0.31840	0.31840	0.010	4.80451	20.00000	Averaged
63 2-Methylnaphthalene	0.67962	0.72169	0.72169	0.010	6.19010	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.30646	0.33220	0.33220	0.050	8.39650	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.30154	0.34973	0.34973	0.010	15.98257	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32858	0.36562	0.36562	0.010	11.27384	50.00000	Averaged
71 2-Chloronaphthalene	1.11567	1.13423	1.13423	0.010	1.66345	50.00000	Averaged
73 2-Nitroaniline	0.38116	0.35829	0.35829	0.010	-6.00066	50.00000	Averaged
76 Dimethylphthalate	1.29156	1.33340	1.33340	0.010	3.23971	50.00000	Averaged

Manual calculation for 2.4-Dichlorophenol:

$\frac{143816}{506631} \times \frac{40}{50} = 0.28364$ RY 9/24/10

9/24/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 24-SEP-2010 12:07
Lab File ID: HSL0924.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\092410.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.95828	2.02435	2.02435	0.010	3.37393	50.00000	Averaged
79 2,6-Dinitrotoluene	0.28888	0.31740	0.31740	0.010	9.87189	50.00000	Averaged
80 3-Nitroaniline	0.38296	0.39149	0.39149	0.010	2.22640	50.00000	Averaged
81 Acenaphthene	1.24672	1.29253	1.29253	0.010	3.67492	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	56.55972	0.19969	0.050	13.11945	0.000e+000	Quadratic
83 Dibenzofuran	1.64538	1.69115	1.69115	0.010	2.78164	50.00000	Averaged
84 4-Nitrophenol	0.17088	0.17313	0.17313	0.050	1.31742	50.00000	Averaged
86 2,4-Dinitrotoluene	0.38742	0.41058	0.41058	0.010	5.97712	50.00000	Averaged
91 Fluorene	1.34904	1.38476	1.38476	0.010	2.64804	50.00000	Averaged
92 Diethylphthalate	1.35372	1.39277	1.39277	0.010	2.88459	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.55385	0.58510	0.58510	0.010	5.64279	50.00000	Averaged
94 4-Nitroaniline	0.37837	0.39189	0.39189	0.010	3.57187	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	50.92860	0.14720	0.010	1.85720	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.62622	0.62941	0.62941	0.010	0.50966	20.00000	Averaged
100 Azobenzene	0.88363	0.80905	0.80905	0.010	-8.44026	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19190	0.20515	0.20515	0.010	6.90403	50.00000	Averaged
108 Hexachlorobenzene	0.20744	0.21718	0.21718	0.010	4.69354	50.00000	Averaged
110 Pentachlorophenol	0.12850	0.13973	0.13973	0.010	8.74340	20.00000	Averaged
114 Phenanthrene	1.25231	1.27078	1.27078	0.010	1.47502	50.00000	Averaged
115 Anthracene	1.26014	1.29329	1.29329	0.010	2.63052	50.00000	Averaged
118 Carbazole	1.17754	1.19993	1.19993	0.010	1.90150	50.00000	Averaged
120 Di-n-Butylphthalate	1.42590	1.44183	1.44183	0.010	1.11714	50.00000	Averaged
126 Fluoranthene	1.13179	1.14972	1.14972	0.010	1.58488	20.00000	Averaged
127 Benzidine	0.82752	0.91910	0.91910	0.010	11.06711	50.00000	Averaged
128 Pyrene	1.24186	1.27235	1.27235	0.010	2.45508	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.70995	0.76358	0.76358	0.010	7.55397	50.00000	Averaged
136 Butylbenzylphthalate	0.64263	0.66061	0.66061	0.010	2.79791	50.00000	Averaged
138 Benzo(a)Anthracene	1.05752	1.09722	1.09722	0.010	3.75330	50.00000	Averaged
139 Chrysene	1.09407	1.08737	1.08737	0.010	-0.61216	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.38440	0.41464	0.41464	0.010	7.86621	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.88842	0.90432	0.90432	0.010	1.79033	50.00000	Averaged
142 Di-n-octylphthalate	1.42876	1.51720	1.51720	0.010	6.18982	20.00000	Averaged
144 Benzo(b)fluoranthene	0.94959	1.00040	1.00040	0.010	5.35051	50.00000	Averaged
145 Benzo(k)fluoranthene	1.11337	1.16117	1.16117	0.010	4.29303	50.00000	Averaged
147 Benzo(e)pyrene	0.94145	0.99422	0.99422	0.010	5.60526	50.00000	Averaged
148 Benzo(a)pyrene	1.03915	1.07755	1.07755	0.010	3.69538	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.88334	0.94175	0.94175	0.010	6.61244	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.94269	1.00815	1.00815	0.010	6.94464	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00655	1.08715	1.08715	0.010	8.00715	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06296	2.16157	2.16157	0.010	4.77988	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092410.B\HSL0924.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 24-SEP-2010 12:07
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;2;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\092410.B\8270f.m
Meth Date : 24-Sep-2010 12:27 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	4.003	4.003	(1.000)	97420	40.0000	
* 2	Naphthalene-d8	136	5.412	5.412	(1.000)	405631	40.0000	
* 3	Acenaphthene-d10	164	7.516	7.516	(1.000)	219680	40.0000	
* 4	Phenanthrene-d10	188	9.464	9.464	(1.000)	350214	40.0000	
* 5	Chrysene-d12	240	13.858	13.858	(1.000)	347695	40.0000	
* 6	Perylene-d12	264	16.242	16.242	(1.000)	336824	40.0000	
$ 7	2-Fluorophenol	112	2.780	2.780	(0.695)	177041	50.0000	49.14
$ 8	Phenol-d5	99	3.650	3.650	(0.912)	216129	50.0000	46.84
$ 9	2-Chlorophenol-d4	132	3.796	3.796	(0.948)	194630	50.0000	50.00
$ 10	1,2-Dichlorobenzene-d4	152	4.200	4.200	(1.049)	119990	50.0000	49.55
$ 11	Nitrobenzene-d5	82	4.625	4.625	(0.854)	177963	50.0000	49.16
$ 12	2-Fluorobiphenyl	172	6.728	6.728	(0.895)	356952	50.0000	51.34
$ 13	2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	51783	50.0000	60.26
$ 14	Terphenyl-d14	244	12.086	12.086	(0.872)	353381	50.0000	52.53
15	N-Nitrosodimethylamine	74	1.744	1.744	(0.436)	116268	50.0000	46.89
16	Pyridine	79	1.764	1.764	(0.441)	198026	50.0000	48.20
23	Aniline	93	3.692	3.692	(0.922)	278840	50.0000	48.26
24	Phenol	94	3.671	3.671	(0.917)	242268	50.0000	49.88
26	Bis(2-chloroethyl)ether	93	3.754	3.754	(0.938)	173133	50.0000	46.60
27	2-Chlorophenol	128	3.806	3.806	(0.951)	190286	50.0000	49.44
28	1,3-Dichlorobenzene	146	3.961	3.961	(0.990)	209525	50.0000	49.35
29	1,4-Dichlorobenzene	146	4.013	4.013	(1.003)	219612	50.0000	51.06
30	Benzyl Alcohol	108	4.158	4.158	(1.039)	125990	50.0000	47.72
31	1,2-Dichlorobenzene	146	4.210	4.210	(1.052)	199369	50.0000	49.08
32	2-Methylphenol	108	4.303	4.303	(1.075)	179314	50.0000	49.44
33	2,2'-oxybis(1-Chloropropane)	45	4.334	4.334	(1.083)	272506	50.0000	38.51
34	4-Methylphenol	108	4.459	4.459	(1.114)	182140	50.0000	47.18
36	Hexachloroethane	117	4.542	4.542	(1.135)	75384	50.0000	49.75
37	N-Nitrosodinpropylamine	70	4.490	4.490	(1.122)	123970	50.0000	45.63
42	Nitrobenzene	77	4.645	4.645	(0.858)	174128	50.0000	48.27
44	Isophorone	82	4.904	4.904	(0.906)	329236	50.0000	48.07
45	2-Nitrophenol	139	5.008	5.008	(0.925)	104745	50.0000	53.99
46	2,4-Dimethyphenol	107	5.060	5.060	(0.935)	191062	50.0000	52.53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.174	5.174	(0.956)	203979	50.0000	50.12
49	2,4-Dichlorophenol	162	5.267	5.267	(0.973)	143816	50.0000	54.25
50	Benzoic Acid	122	5.153	5.153	(0.952)	115436	50.0000	56.66
51	1,2,4-Trichlorobenzene	180	5.371	5.371	(0.992)	151476	50.0000	52.78
52	Naphthalene	128	5.433	5.433	(1.004)	567532	50.0000	50.27
54	4-Chloroaniline	127	5.537	5.537	(1.023)	228603	50.0000	51.33
57	Hexachlorobutadiene	225	5.661	5.661	(1.046)	78434	50.0000	57.67
60	4-Chloro-3-Methylphenol	107	6.117	6.117	(1.130)	161441	50.0000	52.40
63	2-Methylnaphthalene	142	6.252	6.252	(1.155)	365925	50.0000	53.10
66	Hexachlorocyclopentadiene	237	6.531	6.531	(0.869)	91221	50.0000	54.20
69	2,4,6-Trichlorophenol	196	6.625	6.625	(0.881)	96037	50.0000	57.99
70	2,4,5-Trichlorphenol	196	6.676	6.676	(0.888)	100399	50.0000	55.64
71	2-Chloronaphthalene	162	6.832	6.832	(0.909)	311459	50.0000	50.83
73	2-Nitroaniline	65	6.998	6.998	(0.931)	98386	50.0000	47.00
76	Dimethylphthalate	163	7.267	7.267	(0.967)	366152	50.0000	51.62
77	Acenaphthylene	152	7.329	7.329	(0.975)	555886	50.0000	51.69
79	2,6-Dinitrotoluene	165	7.350	7.350	(0.978)	87158	50.0000	54.94
80	3-Nitroaniline	138	7.506	7.506	(0.999)	107502	50.0000	51.11
81	Acenaphthene	153	7.557	7.557	(1.006)	354930	50.0000	51.84
82	2,4-Dinitrophenol	184	7.630	7.630	(1.015)	54835	50.0000	56.56
83	Dibenzofuran	168	7.754	7.754	(1.032)	464389	50.0000	51.39
84	4-Nitrophenol	109	7.723	7.723	(1.028)	47541	50.0000	50.66
86	2,4-Dinitrotoluene	165	7.816	7.816	(1.040)	112745	50.0000	52.99
91	Fluorene	166	8.189	8.189	(1.090)	380255	50.0000	51.32
92	Diethylphthalate	149	8.148	8.148	(1.084)	382455	50.0000	51.44
93	4-Chlorophenyl-phenylether	204	8.200	8.200	(1.091)	160668	50.0000	52.82
94	4-Nitroaniline	138	8.272	8.272	(1.101)	107612	50.0000	51.78
97	4,6-Dinitro-2-methylphenol	198	8.324	8.324	(0.880)	64440	50.0000	50.93
98	N-Nitrosodiphenylamine	169	8.366	8.366	(0.884)	322926	58.6000	58.90
100	Azobenzene	77	8.407	8.407	(0.888)	354177	50.0000	45.78
101	4-Bromophenyl-phenylether	248	8.853	8.853	(0.935)	89807	50.0000	53.45
108	Hexachlorobenzene	284	9.039	9.039	(0.955)	95074	50.0000	52.35
110	Pentachlorophenol	266	9.298	9.298	(0.982)	61171	50.0000	54.37
114	Phenanthrene	178	9.495	9.495	(1.003)	556306	50.0000	50.74
115	Anthracene	178	9.568	9.568	(1.011)	566160	50.0000	51.32
118	Carbazole	167	9.827	9.827	(1.038)	525289	50.0000	50.95
120	Di-n-Butylphthalate	149	10.521	10.521	(1.112)	631188	50.0000	50.56
126	Fluoranthene	202	11.371	11.371	(1.201)	503312	50.0000	50.79
127	Benzidine	184	11.640	11.640	(0.840)	399458	50.0000	55.53
128	Pyrene	202	11.734	11.734	(0.847)	552985	50.0000	51.23
134	3,3'-dimethylbenzidine	212	12.936	12.936	(0.933)	331865	50.0000	53.78
136	Butylbenzylphthalate	149	13.050	13.050	(0.942)	287115	50.0000	51.40
138	Benzo(a)Anthracene	228	13.827	13.827	(0.998)	476871	50.0000	51.88
139	Chrysene	228	13.899	13.899	(1.003)	472591	50.0000	49.69
140	3,3'-Dichlorobenzidine	252	13.868	13.868	(1.001)	180210	50.0000	53.93
141	bis(2-ethylhexyl)Phthalate	149	14.179	14.179	(1.023)	393036	50.0000	50.90
142	Di-n-octylphthalate	149	15.226	15.226	(1.099)	659402	50.0000	53.09
144	Benzo(b)fluoranthene	252	15.651	15.651	(0.964)	421198	50.0000	52.68
145	Benzo(k)fluoranthene	252	15.692	15.692	(0.966)	488886	50.0000	52.15
147	Benzo(e)pyrene	252	16.076	16.076	(0.990)	418598	50.0000	52.80
148	Benzo(a)pyrene	252	16.148	16.148	(0.994)	453679	50.0000	51.85
151	Indeno(1,2,3-cd)pyrene	276	17.889	17.889	(1.101)	396504	50.0000	53.31
152	Dibenzo(a,h)anthracene	278	17.941	17.941	(1.105)	424463	50.0000	53.47
153	Benzo(g,h,i)perylene	276	18.335	18.335	(1.129)	457722	50.0000	54.00

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				910084	50.0000	52.39(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: HSL0924.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\092410.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 23-SEP-2010
Calibration Time: 20:45
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	97420	-13.33
2 Naphthalene-d8	494728	247364	989456	405631	-18.01
3 Acenaphthene-d10	264752	132376	529504	219680	-17.02
4 Phenanthrene-d10	415811	207906	831622	350214	-15.78
5 Chrysene-d12	431516	215758	863032	347695	-19.42
6 Perylene-d12	416460	208230	832920	336824	-19.12

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.00	3.50	4.50	4.00	0.00
2 Naphthalene-d8	5.41	4.91	5.91	5.41	0.00
3 Acenaphthene-d10	7.52	7.02	8.02	7.52	0.00
4 Phenanthrene-d10	9.46	8.96	9.96	9.46	0.00
5 Chrysene-d12	13.86	13.36	14.36	13.86	0.00
6 Perylene-d12	16.24	15.74	16.74	16.24	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\092410.B\HSL0924.D

Date : 24-SEP-2010 12:07

Client ID: 8270F.M

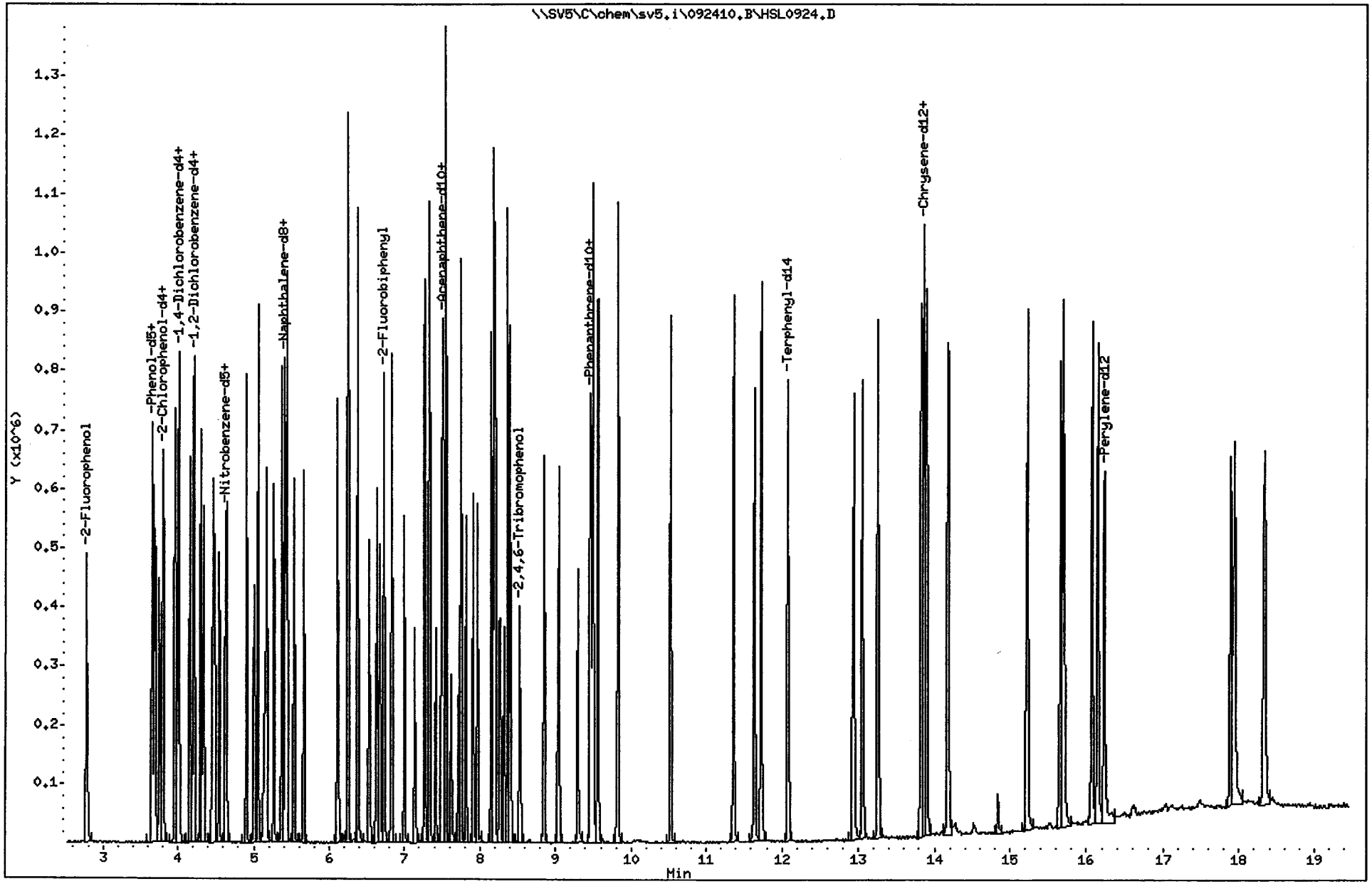
Sample Info: HSL_050 ug/ml CS-4;2;;4;;;;4

Column phase:

Instrument: sv5.i

Operator: KT

Column diameter: 2.00



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.9221868	5.000	PASS
Benzidine	0.7643763	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	302826	15.4	20.5	PASS

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

Sample //SV5/C/chem/sv5.i/092410.B/DFT0924.D/DFT0924.D

9/24/10

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.9221868	5.000	PASS
Benzidine	0.7643763	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	302826	15.4	20.5	PASS

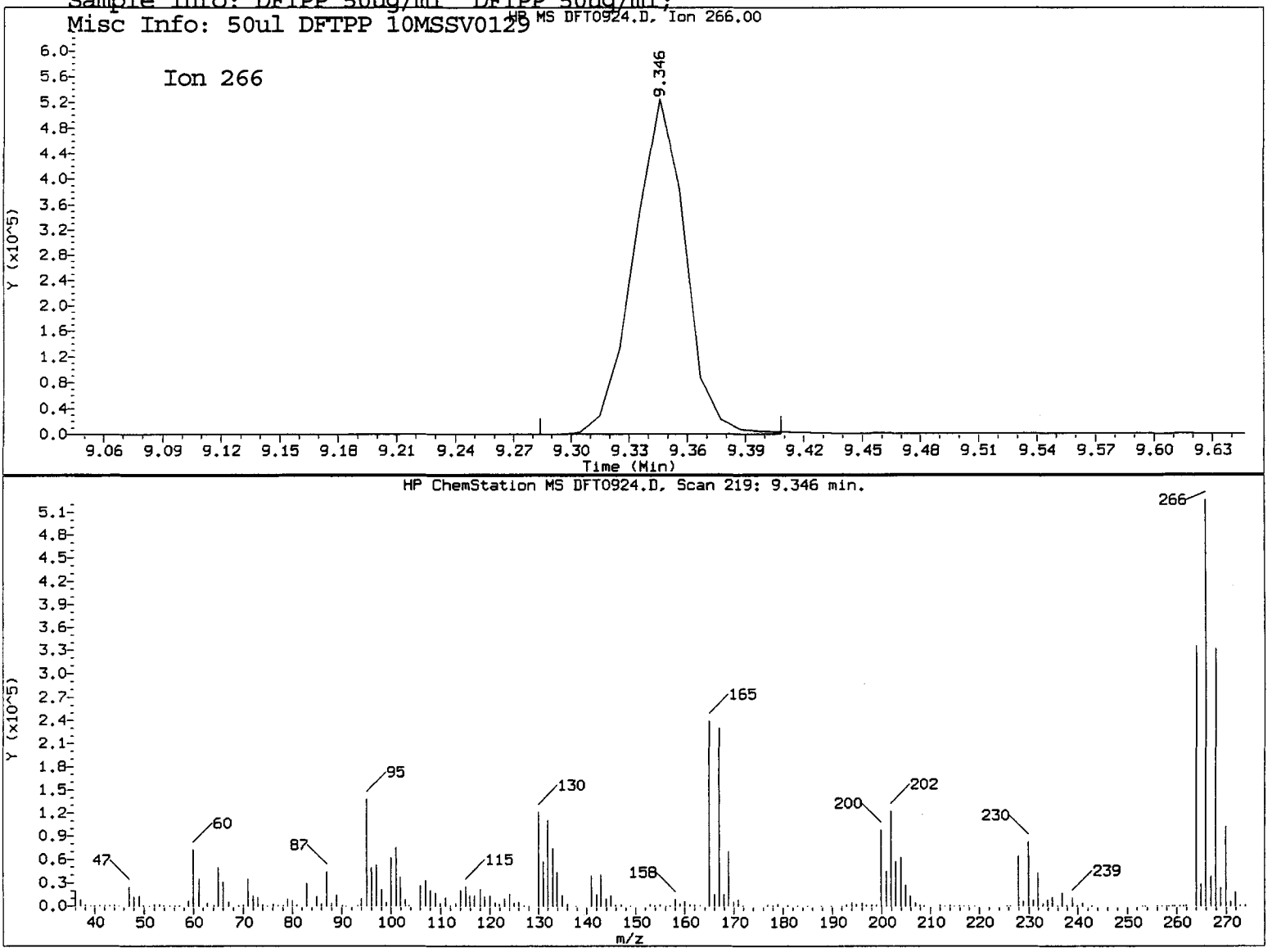
Sample //SV5/C/chem/sv5.i/092410.B/DFT0924.D/DFT0924.D

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

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 09/24/2010 12:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092410.B/DFT0924.D/DFT0924.D
Method Used: \\SV5\C\chem\sv5.i\092410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 24-SEP-2010 11:43 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Pentachlorophenol
==========
Exp. RT = 9.387
Found RT = 9.346

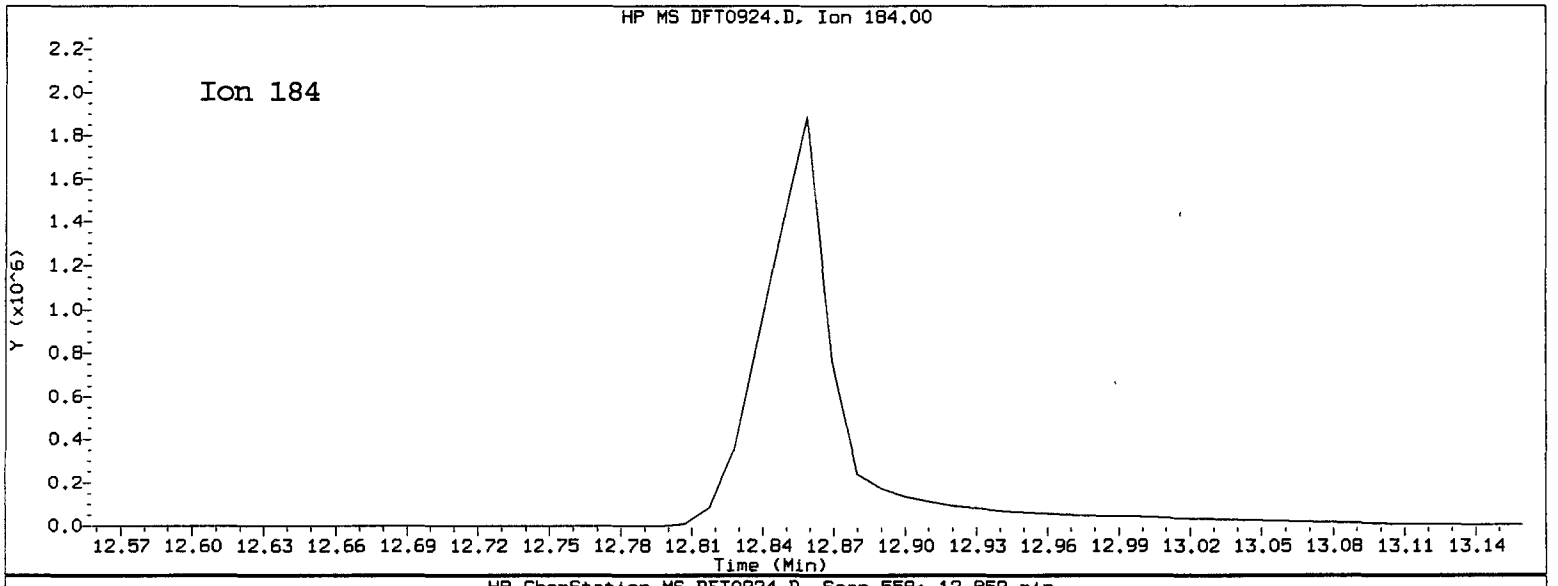
Time1 = 9.317201 Time2 = 9.345883 Time3 = 9.372334
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

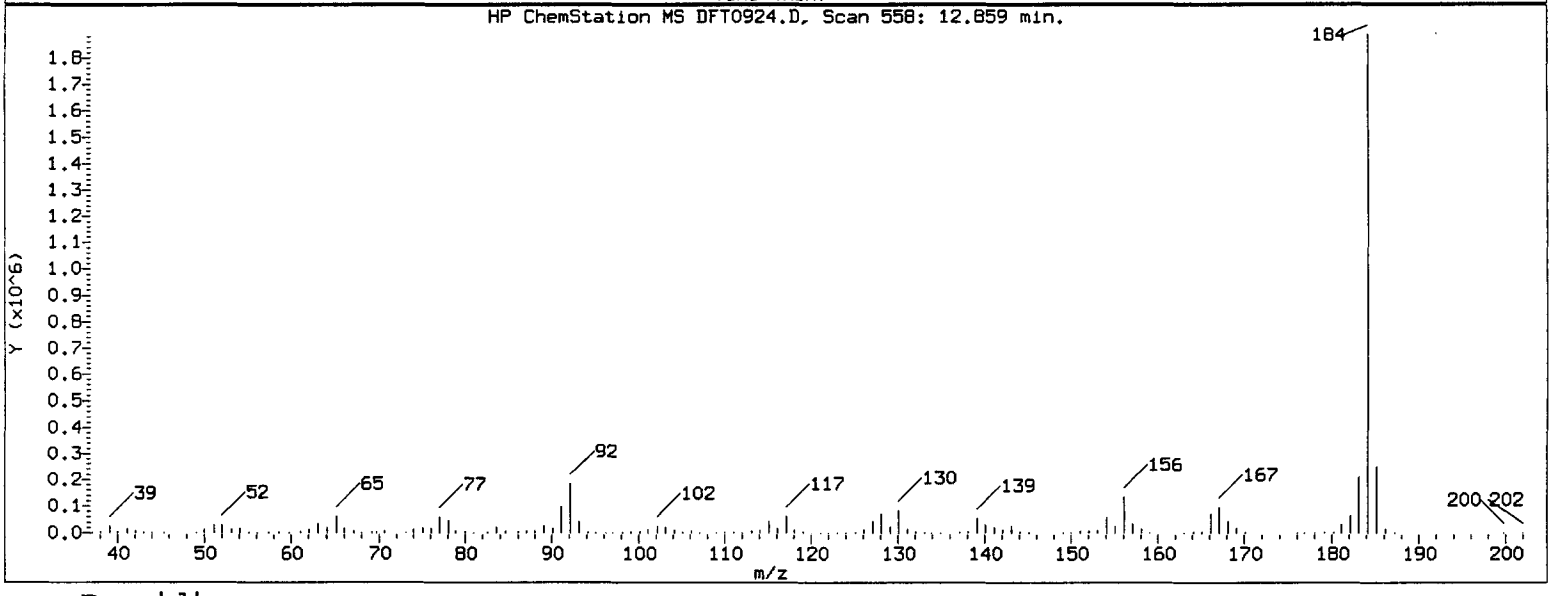
Tailing factor for Pentachlorophenol OK

Tail Factor = 0.922 Maximum Allowed = 5.0

Report Date: 09/24/2010 12:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092410.B/DFT0924.D/DFT0924.D
Method Used: \\SV5\C\chem\sv5.i\092410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 24-SEP-2010 11:43 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Benzidine
=========
 Exp. RT = 12.911
Found RT = 12.859

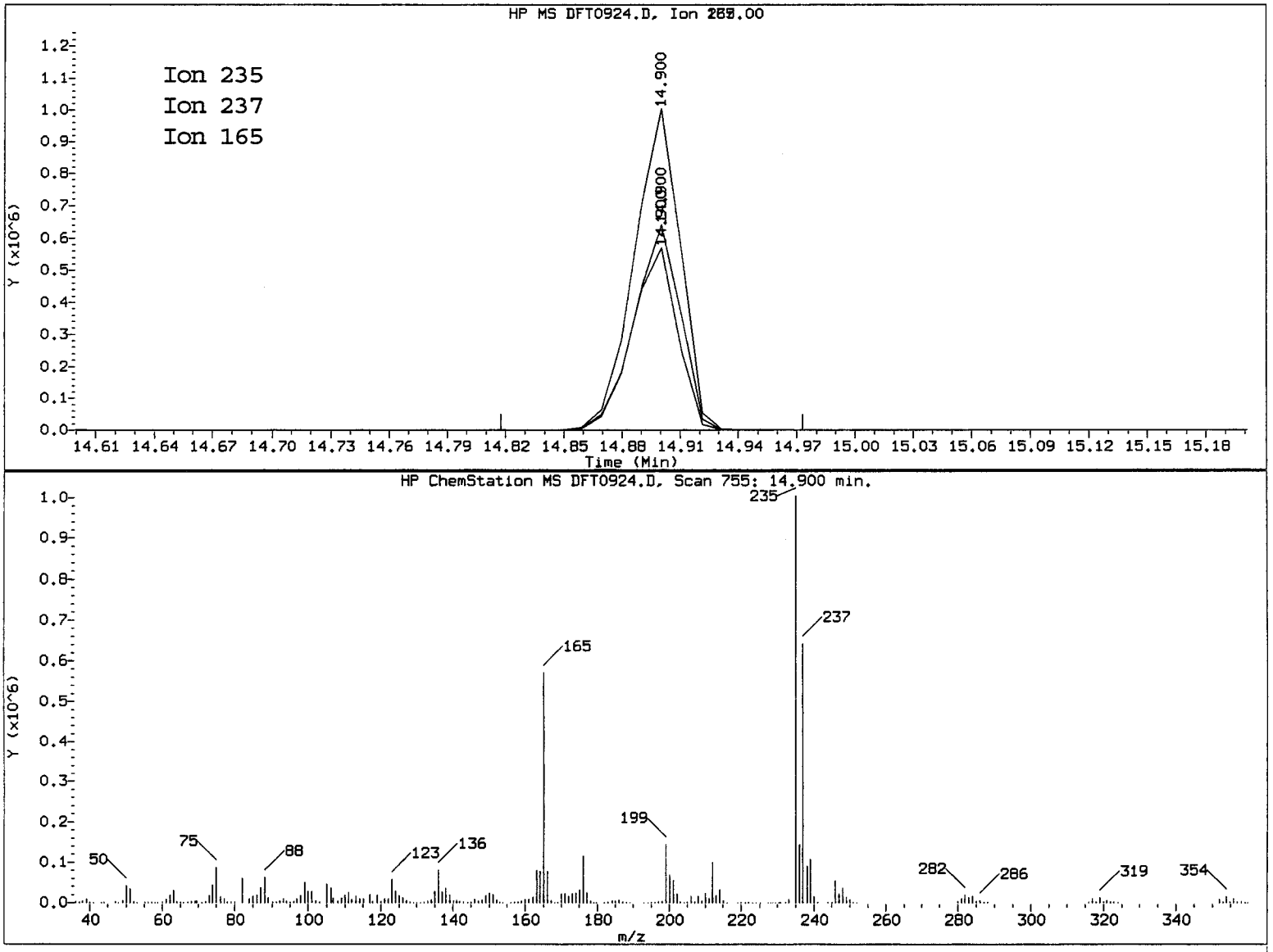
Time1 = 12.82144 Time2 = 12.85895 Time3 = 12.88762
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.764 Maximum Allowed = 3.0

Report Date: 09/24/2010 12:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092410.B/DFT0924.D/DFT0924.D
Method Used: \\SV5\C\chem\sv5.i\092410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 24-SEP-2010 11:43 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

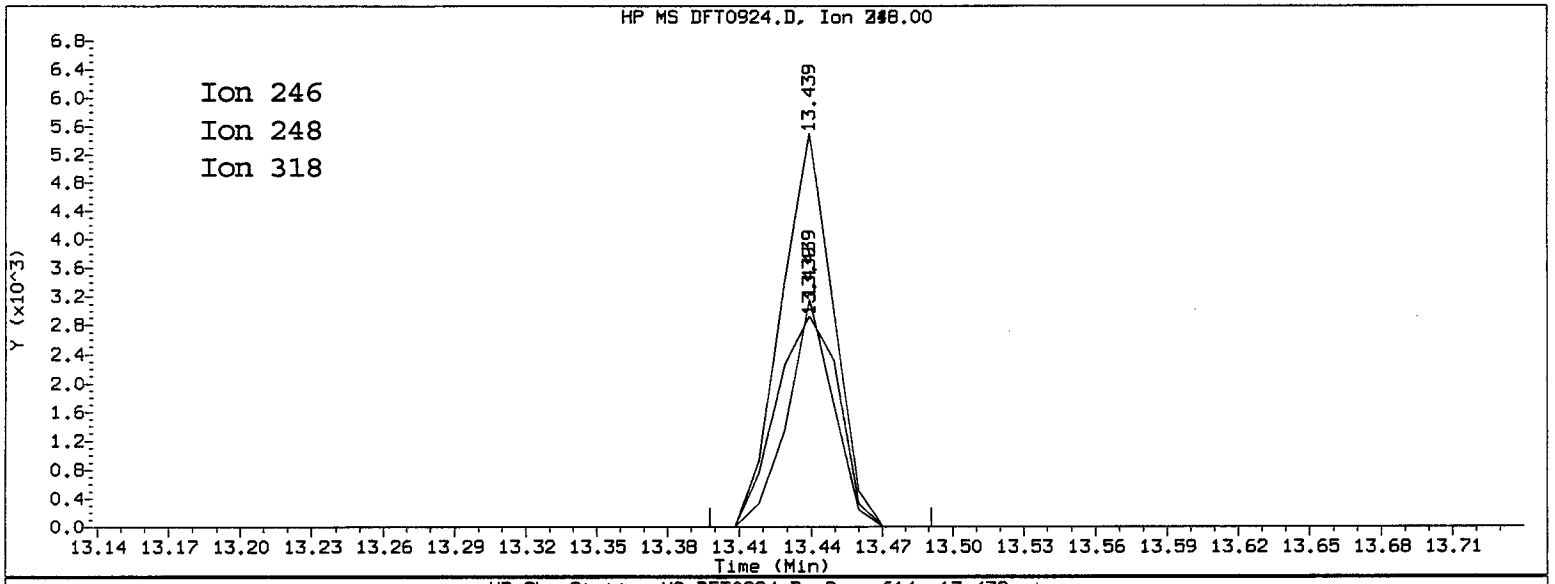


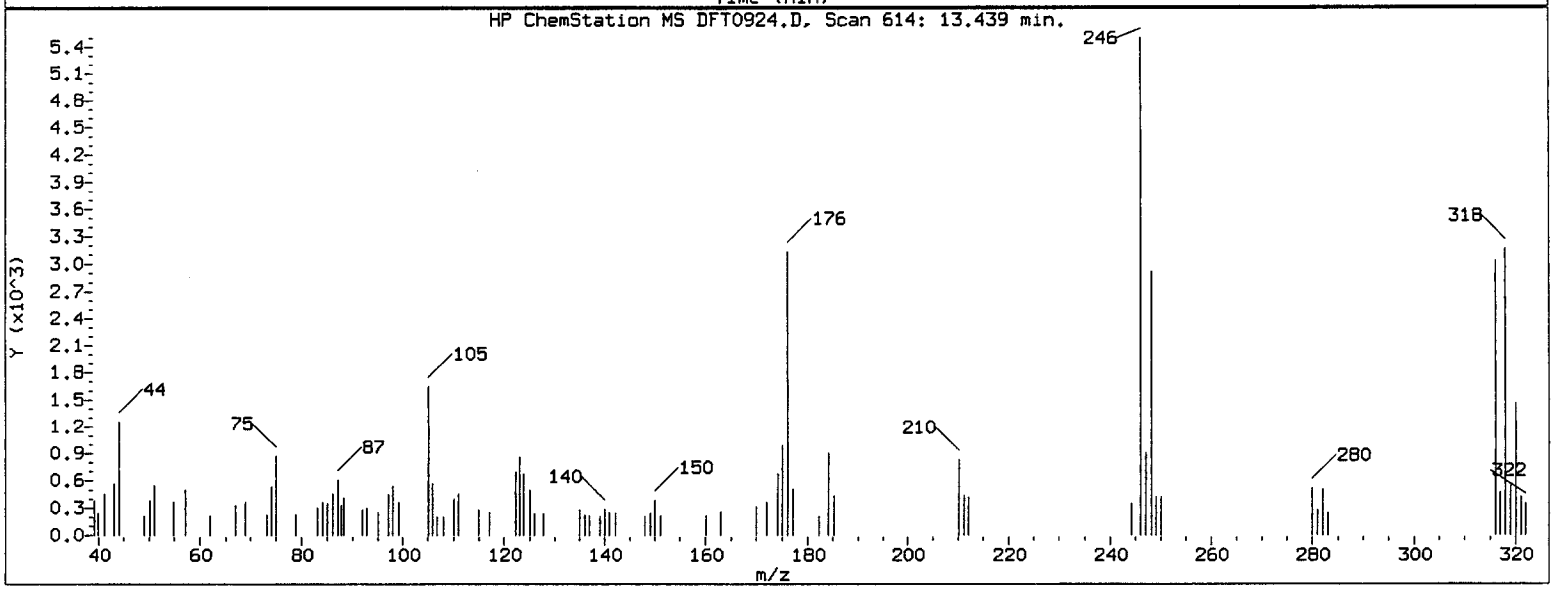
4,4'-DDT
========
Exp. RT = 14.942
Found RT = 14.900

Mass	Area	Ratio
235	1664592	100.00
237	1064586	63.95
165	943732	56.69

Report Date: 09/24/2010 12:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092410.B/DFT0924.D/DFT0924.D
Method Used: \\SV5\C\chem\sv5.i\092410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 24-SEP-2010 11:43 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



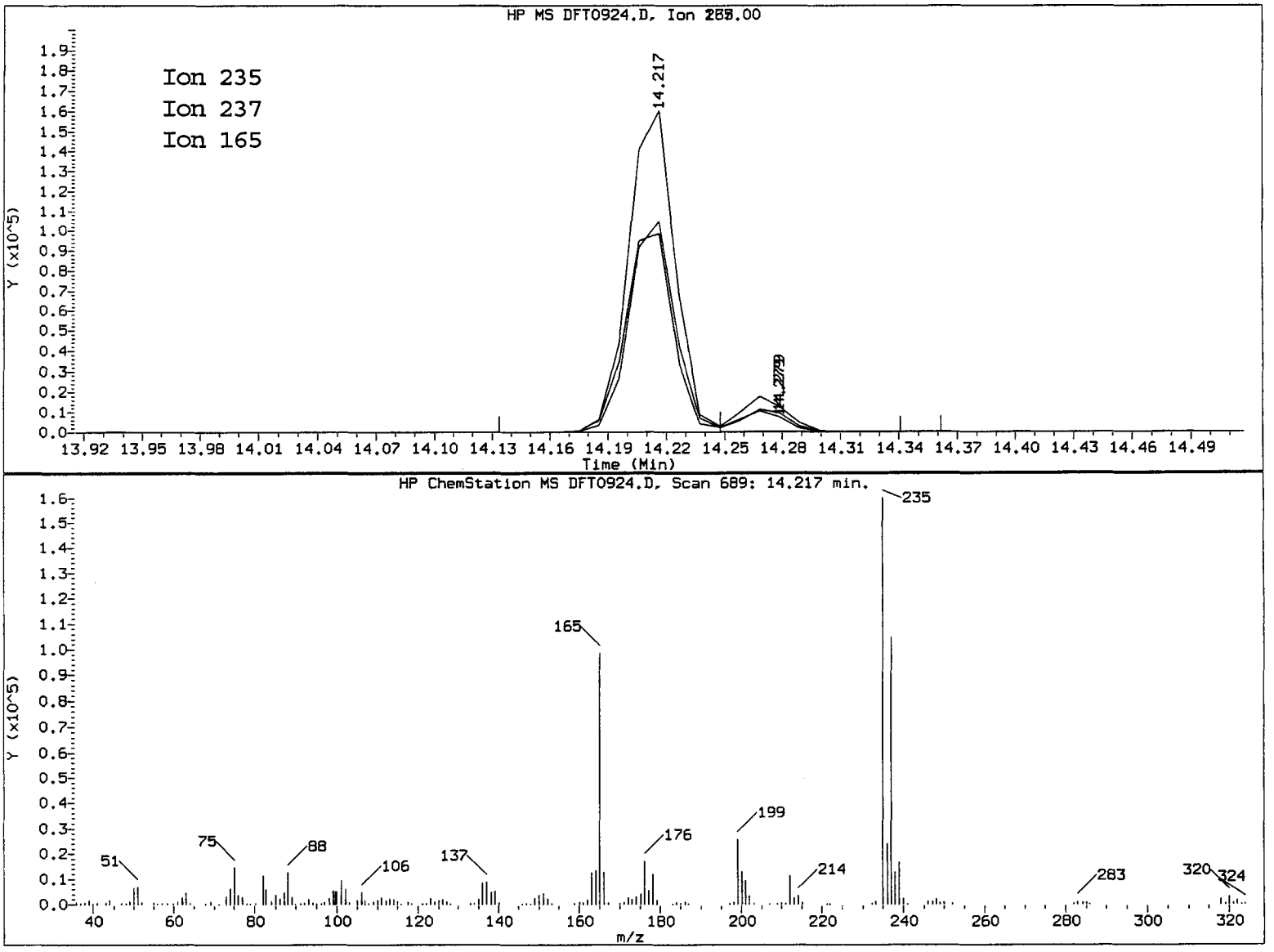


4,4'-DDE
========
 Exp. RT = 13.470
Found RT = 13.439

Mass	Area	Ratio
246	8296	100.00
248	5327	64.21
318	4213	50.79

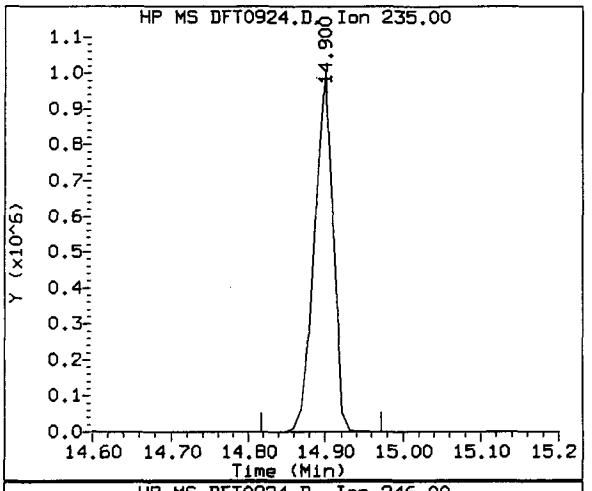
Report Date: 09/24/2010 12:04

Datafile Analyzed: //SV5/C/chem/sv5.i/092410.B/DFT0924.D/DFT0924.D
Method Used: \\SV5\C\chem\sv5.i\092410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 24-SEP-2010 11:43 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

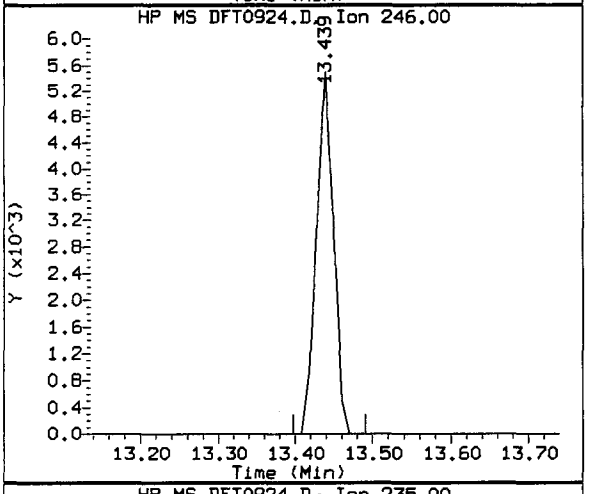


4,4'-DDD
========
Exp. RT = 14.248
Found RT = 14.217

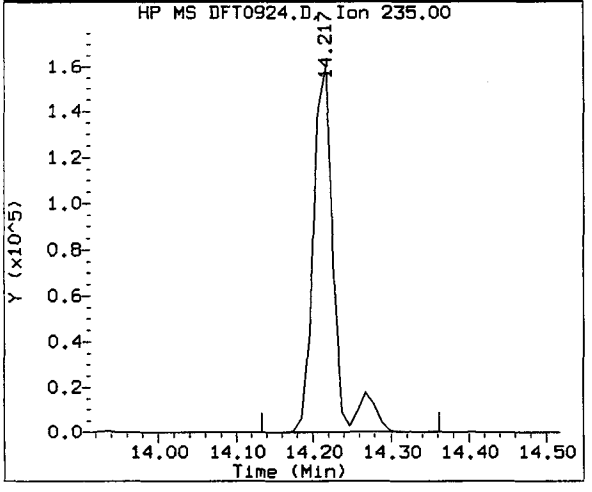
Mass	Area	Ratio
235	294530	100.00
237	20064	6.81
165	18349	6.23



Compound: 4,4'-DDT
Quant Mass: 235
RT: 14.900
Area: 1664592



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.439
Area: 8296



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.217
Area: 294530

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	302826	15.4	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\092410.B\DFT0924.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 24-SEP-2010 11:43
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\092410.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)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
10.796	11.201	(0.000)	198	504128			0.00- 100.00	100.00
10.796	11.201	(0.000)	51	242560			30.00- 80.00	48.11
10.796	11.201	(0.000)	68	4050			0.00- 2.00	1.77
10.796	11.201	(0.000)	69	228672			0.00- 0.00	45.36
10.796	11.201	(0.000)	70	1216			0.00- 2.00	0.53
10.796	11.201	(0.000)	127	291840			25.00- 75.00	57.89
10.796	11.201	(0.000)	197	4097			0.00- 1.00	0.81
10.796	11.201	(0.000)	199	34768			5.00- 9.00	6.90
10.796	11.201	(0.000)	275	106896			10.00- 30.00	21.20
10.796	11.201	(0.000)	365	12095			0.75- 0.00	2.40
10.796	11.201	(0.000)	441	55544			0.01- 99.99	73.17
10.796	11.201	(0.000)	442	396736			40.00- 110.00	78.70
10.796	11.201	(0.000)	443	75912			15.00- 24.00	19.13

Data File: \\SV5\C\chem\sv5.i\092410.B\DFT0924.D

Date : 24-SEP-2010 11:43

Client ID:

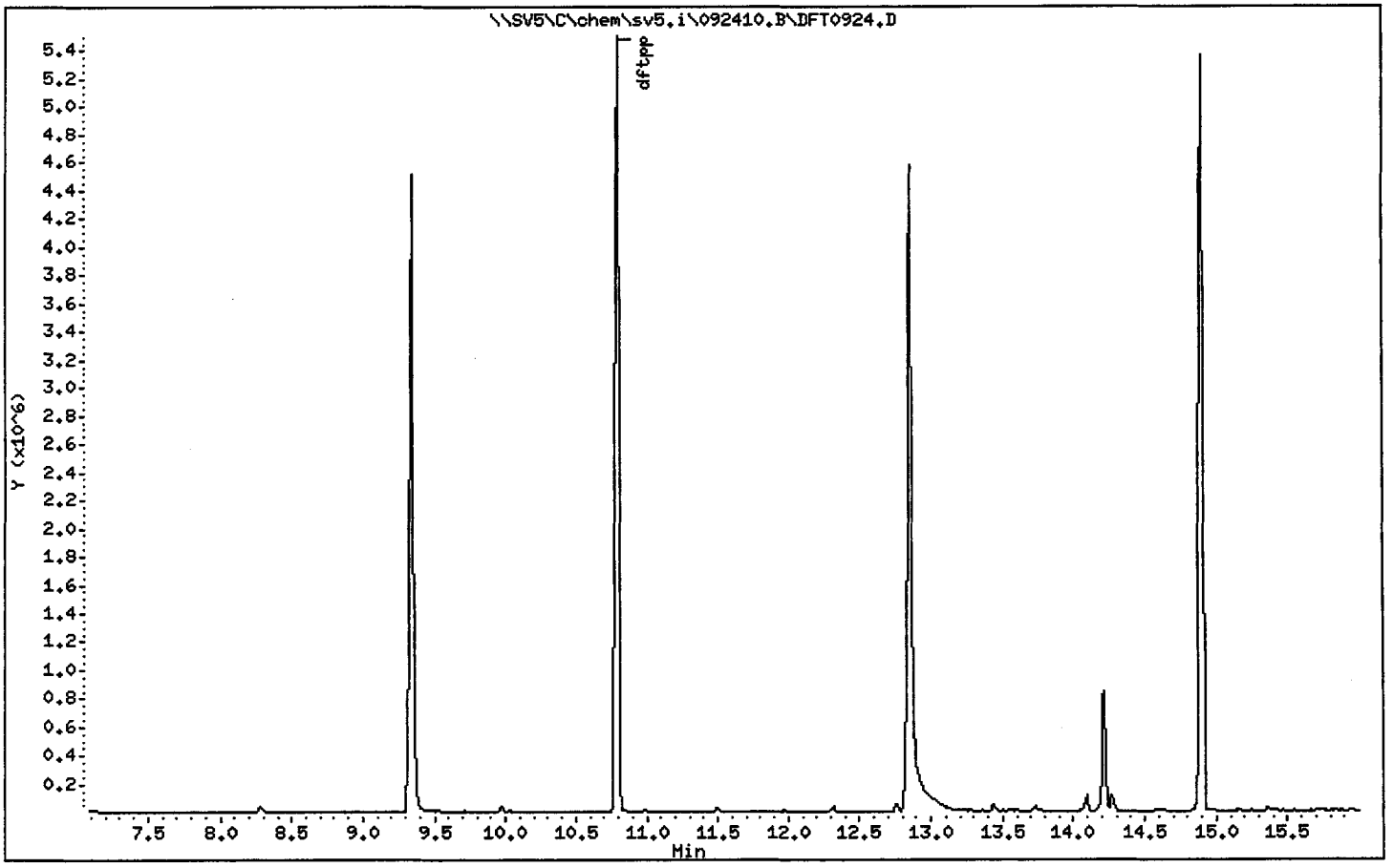
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\092410.B\DFT0924.D

Date : 24-SEP-2010 11:43

Client ID:

Instrument: sv5.i

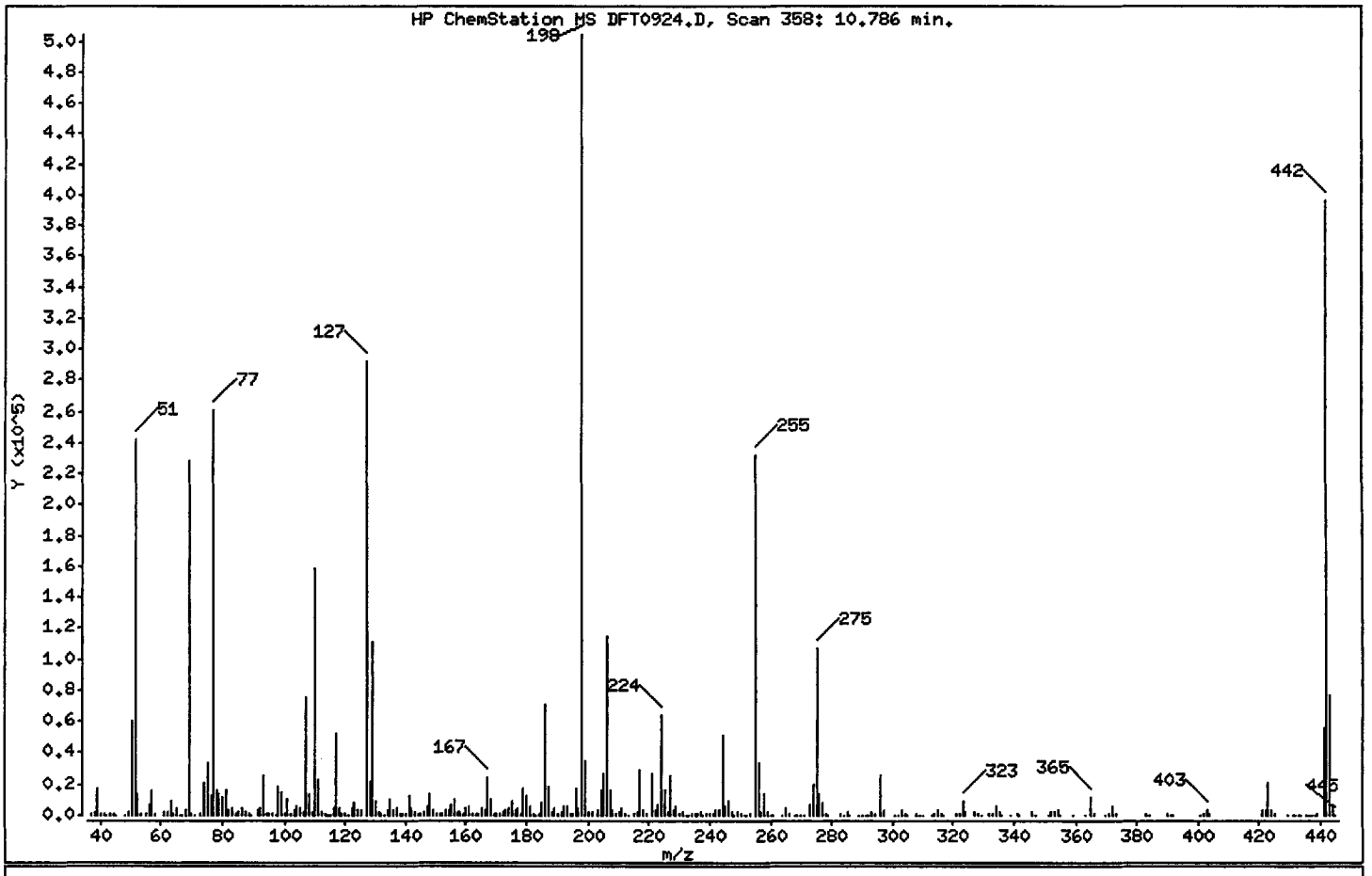
Sample Info: DFTPP 50ug/ml;

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	48.11
68	Less than 2.00% of mass 69	0.80 (1.77)
69	Mass 69 relative abundance	45.36
70	Less than 2.00% of mass 69	0.24 (0.53)
127	25.00 - 75.00% of mass 198	57.89
197	Less than 1.00% of mass 198	0.81
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 30.00% of mass 198	21.20
365	Greater than 0.75% of mass 198	2.40
441	Present, but less than mass 443	11.02
442	40.00 - 110.00% of mass 198	78.70
443	15.00 - 24.00% of mass 442	15.06 (19.13)

Date : 24-SEP-2010 11:43

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT0924.D
Spectrum: HP ChemStation MS DFT0924.D, Scan 358: 10.786 min.
Location of Maximum: 198.00
Number of points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.90	851	122.00	5093	203.00	3364	294.00	810
38.10	2452	123.00	7694	204.10	16357	296.00	25000
39.10	16816	124.00	3751	205.00	26576	297.00	3851
40.10	933	125.00	2909	206.10	115176	301.00	333
41.00	864	127.00	291840	207.10	16083	302.10	442
42.10	222	128.00	22528	208.00	3279	303.10	3953
43.00	725	129.00	111256	209.00	1410	304.10	922
44.10	900	130.00	9638	210.00	1832	305.10	226
45.10	445	131.00	2323	211.10	4960	308.00	600
47.90	266	131.90	996	212.10	775	309.00	328
49.10	1905	132.80	478	213.10	258	310.00	342
50.10	59752	134.10	3296	215.10	825	313.00	300
51.10	242560	135.00	10392	216.10	2695	314.00	1271
52.10	13400	136.00	3878	217.00	29056	315.00	3192
53.00	616	137.10	4435	218.00	3400	316.00	1562
55.00	1162	138.00	1472	219.10	667	317.00	368
56.00	6787	139.00	782	221.00	26424	321.10	952
57.00	16221	140.00	1134	222.10	3361	322.10	703
58.10	1041	141.00	13236	223.00	6629	323.10	9761
61.00	2631	142.10	4497	224.10	64016	324.10	1741
62.00	2785	143.00	2798	225.10	16568	327.00	1771
63.10	9783	144.00	766	226.10	1973	328.00	1028
64.00	1417	145.00	779	227.00	25112	329.10	317
65.10	4406	146.10	2598	228.10	3295	332.00	644
66.00	457	147.00	6157	229.00	5823	333.00	988
67.10	352	148.00	14168	230.10	828	334.00	6292
68.10	4050	149.00	3012	231.00	2631	335.10	2037
69.00	228672	150.00	1310	232.10	396	335.90	225
70.00	1216	151.20	1637	233.00	573	339.10	219
71.00	245	152.00	1079	233.90	1446	341.10	1002
73.00	1496	153.00	3854	235.00	1736	342.10	456
74.00	21376	154.10	3044	236.00	1364	346.00	2191
75.00	33616	155.10	7116	237.00	2455	347.00	233
76.10	12242	156.10	10808	237.90	425	351.10	229
77.10	261120	157.10	2536	239.10	876	352.10	2589

Date : 24-SEP-2010 11:43

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT0924.D
Spectrum: HP ChemStation MS DFT0924.D, Scan 358: 10.786 min.
Location of Maximum: 198.00
Number of points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.10	16496	158.10	2203	240.10	692	353.00	1917
79.00	14460	159.00	1599	241.00	1571	354.10	3743
80.00	11059	160.00	4466	242.00	3287	355.00	572
81.00	16456	161.00	6118	243.10	3848	359.00	233
82.00	3969	162.10	1359	244.10	50664	363.20	235
83.00	4314	163.10	710	245.10	6085	365.00	12095
84.10	847	164.10	863	246.00	8932	366.00	1708
85.00	2479	165.00	4602	247.10	1891	370.00	391
86.00	4364	166.10	3424	248.00	404	371.00	1117
87.10	1960	167.10	24264	249.00	2134	372.00	5940
88.00	846	168.00	9907	250.00	698	373.10	1468
89.10	223	169.00	1685	251.10	328	383.00	1034
91.00	3918	170.00	863	252.10	382	384.00	511
92.00	4252	171.10	930	253.10	1506	390.00	943
93.00	24992	172.00	2281	255.00	231872	391.00	456
94.00	1738	173.00	2960	256.00	33544	391.90	260
95.00	762	174.00	4957	257.00	2453	400.90	276
96.00	1206	175.10	9666	258.00	14017	401.90	1686
97.00	571	176.10	2987	259.00	2210	403.00	3598
98.00	18672	177.00	4465	260.00	385	404.00	979
99.00	15561	178.00	1276	261.10	479	421.10	2986
100.10	1426	179.00	17648	264.00	364	422.10	2926
101.00	9943	180.00	12780	265.00	4980	423.00	21408
102.10	590	181.00	5986	266.00	878	424.00	3918
103.10	3243	182.10	1002	268.10	262	425.10	689
104.00	5443	183.00	362	268.80	212	429.60	304
105.00	5111	184.00	1569	270.00	275	431.30	235
106.10	1906	185.00	8349	271.00	317	431.80	219
107.00	75856	186.10	70608	273.00	7377	432.70	289
108.00	13748	187.00	18280	274.00	19808	433.50	220
109.10	1910	188.10	2027	275.00	106896	435.10	273
110.00	158336	189.00	4295	276.00	13562	436.00	341
111.00	22640	190.10	668	277.00	8538	436.50	535
112.00	2286	191.10	2296	278.00	1439	437.30	453
113.00	1160	192.00	5621	279.00	383	438.30	548

Date : 24-SEP-2010 11:43

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT0924.D
Spectrum: HP ChemStation MS DFT0924.D, Scan 358: 10.786 min.
Location of Maximum: 198.00
Number of points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.80	309	193.10	5827	283.00	1059	439.00	781
114.30	277	194.00	1224	284.00	478	441.00	55544
115.10	373	195.10	982	285.10	1772	442.00	396736
116.00	4134	196.00	17272	286.10	492	443.10	75912
117.00	51752	196.70	4097	289.00	320	444.10	6401
118.00	4338	198.00	504128	290.10	246	445.00	408
118.90	580	199.00	34768	291.10	282		
119.90	989	200.00	2453	292.10	509		
121.00	430	201.60	2635	293.00	2399		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\092410.B\S092418.D
Lab Smp Id: L66491AA G0I180489- Client Smp ID: 0263337
Inj Date : 24-SEP-2010 19:54
Operator : KT Inst ID: sv5.i
Smp Info : L66491AA G0I180489-8 RI;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\092410.B\8270f.m
Meth Date : 25-Sep-2010 12:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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	4.003	4.003	(1.000)	123486	40.0000	(q)
* 2 Naphthalene-d8	136	5.412	5.412	(1.000)	535930	40.0000	
* 3 Acenaphthene-d10	164	7.516	7.516	(1.000)	287385	40.0000	
* 4 Phenanthrene-d10	188	9.464	9.464	(1.000)	460581	40.0000	
* 5 Chrysene-d12	240	13.848	13.858	(1.000)	416035	40.0000	
* 6 Perylene-d12	264	16.231	16.241	(1.000)	401530	40.0000	
$ 7 2-Fluorophenol	112	2.780	2.780	(0.695)	286218	62.6763	62.68
$ 8 Phenol-d5	99	3.661	3.650	(0.915)	446322	76.3031	76.30
$ 10 1,2-Dichlorobenzene-d4	152	4.200	4.199	(1.049)	59316	19.3237	19.32(qR)
$ 11 Nitrobenzene-d5	82	4.625	4.624	(0.854)	167005	34.9164	34.92
$ 12 2-Fluorobiphenyl	172	6.718	6.728	(0.894)	368486	40.5138	40.51
$ 13 2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	114423	101.777	101.8
$ 14 Terphenyl-d14	244	12.076	12.086	(0.872)	366570	45.5375	45.54
108 Hexachlorobenzene	284	Compound Not Detected.					

QC Flag Legend

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

9/25/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L66491AA G0I180489- Client Smp ID: 0263337
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\sv5\c\chem\sv5.i\092410.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.68	62.68	41-105
$ 8 Phenol-d5	100.0	76.30	76.30	43-122
$ 10 1,2-Dichlorobenzen	50.00	19.32	38.65*	60-120
$ 11 Nitrobenzene-d5	50.00	34.92	69.83	46-118
$ 12 2-Fluorobiphenyl	50.00	40.51	81.03	58-105
$ 13 2,4,6-Tribromophen	100.0	101.8	101.78	61-118
$ 14 Terphenyl-d14	50.00	45.54	91.07	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092410.B\S092418.D
Lab Smp Id: L66491AA G0I180489- Client Smp ID: 0263337
Inj Date : 24-SEP-2010 19:54
Operator : KT Inst ID: sv5.i
Smp Info : L66491AA G0I180489-8 RI;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\092410.B\8270F.m
Meth Date : 25-Sep-2010 12:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 24
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	4.003	4.003	(1.000)	123486	40.0000		(q)
* 2	Naphthalene-d8	136	5.412	5.412	(1.000)	535930	40.0000		
* 3	Acenaphthene-d10	164	7.516	7.516	(1.000)	287385	40.0000		
* 4	Phenanthrene-d10	188	9.464	9.464	(1.000)	460581	40.0000		
* 5	Chrysene-d12	240	13.848	13.858	(1.000)	416035	40.0000		
* 6	Perylene-d12	264	16.231	16.241	(1.000)	401530	40.0000		
$ 7	2-Fluorophenol	112	2.780	2.780	(0.695)	286218	62.6763	62.68	
$ 8	Phenol-d5	99	3.661	3.650	(0.915)	446322	76.3031	76.30	
$ 10	1,2-Dichlorobenzene-d4	152	4.200	4.199	(1.049)	59316	19.3237	19.32	(qR)
$ 11	Nitrobenzene-d5	82	4.625	4.624	(0.854)	167005	34.9164	34.92	
$ 12	2-Fluorobiphenyl	172	6.718	6.728	(0.894)	368486	40.5138	40.51	
$ 13	2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	114423	101.777	101.8	
$ 14	Terphenyl-d14	244	12.076	12.086	(0.872)	366570	45.5375	45.54	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092418.D
Lab Smp Id: L66491AA G0I180489-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

Calibration Date: 24-SEP-2010
Calibration Time: 11:19
Client Smp ID: 0263337
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	123486	9.86
2 Naphthalene-d8	494728	247364	989456	535930	8.33
3 Acenaphthene-d10	264752	132376	529504	287385	8.55
4 Phenanthrene-d10	415811	207906	831622	460581	10.77
5 Chrysene-d12	431516	215758	863032	416035	-3.59
6 Perylene-d12	416460	208230	832920	401530	-3.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.00	3.50	4.50	4.00	0.01
2 Naphthalene-d8	5.41	4.91	5.91	5.41	0.00
3 Acenaphthene-d10	7.52	7.02	8.02	7.52	0.00
4 Phenanthrene-d10	9.46	8.96	9.96	9.46	0.00
5 Chrysene-d12	13.86	13.36	14.36	13.85	-0.07
6 Perylene-d12	16.24	15.74	16.74	16.23	-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

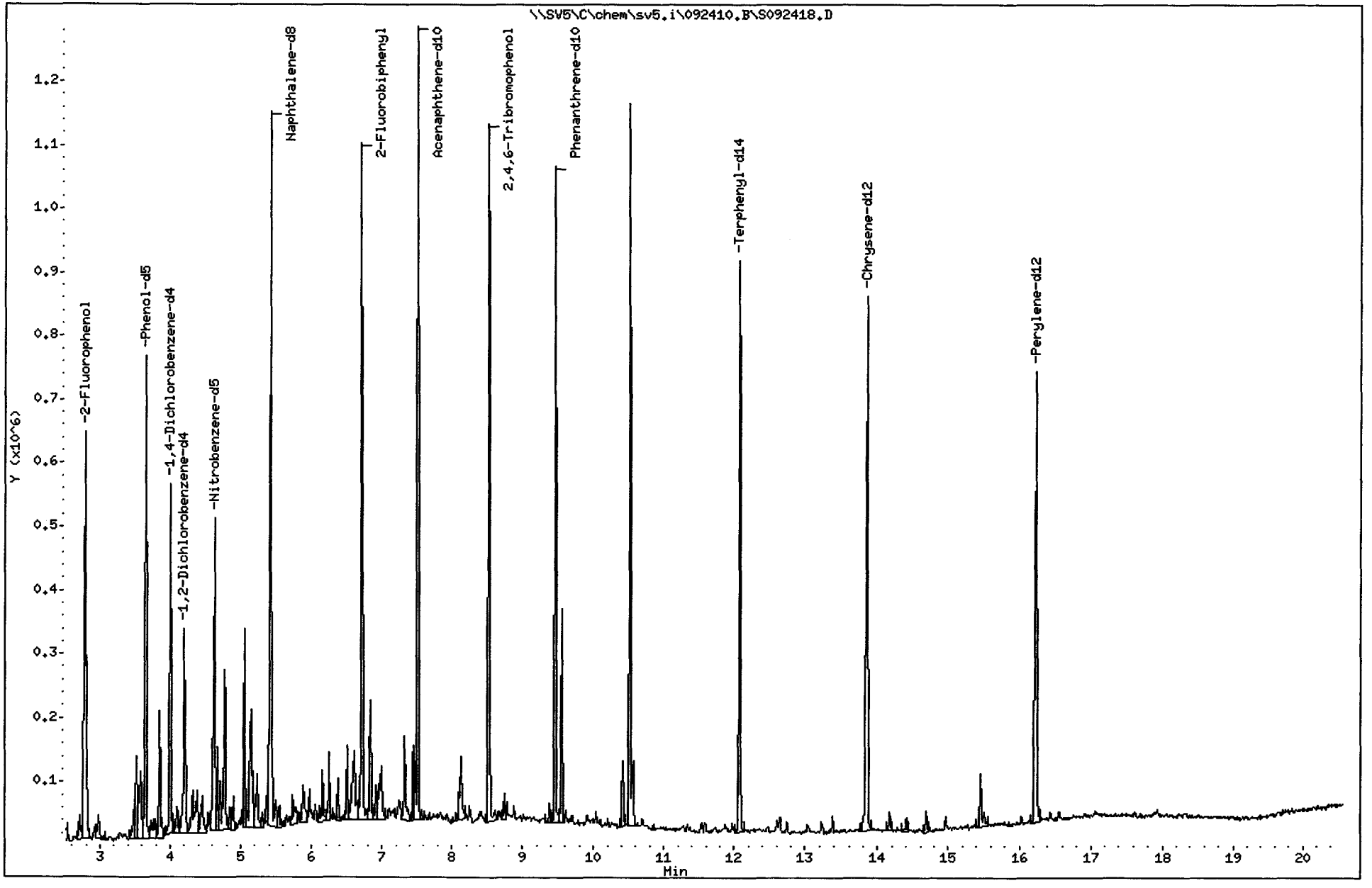
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L66491AA G0I180489- Client Smp ID: 0263337
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.68	62.68	41-105
$ 8 Phenol-d5	100.0	76.30	76.30	43-122
$ 10 1,2-Dichlorobenzen	50.00	19.32	38.65*	60-120
$ 11 Nitrobenzene-d5	50.00	34.92	69.83	46-118
$ 12 2-Fluorobiphenyl	50.00	40.51	81.03	58-105
$ 13 2,4,6-Tribromophen	100.0	101.8	101.78	61-118
$ 14 Terphenyl-d14	50.00	45.54	91.07	69-110

Data File: \\SV5\C\chem\sv5.i\092410.B\S092418.D
Date : 24-SEP-2010 19:54
Client ID: 0263337
Sample Info: L66491AA G0I180489-8 RI:0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\092410.B\S092419.D
Lab Smp Id: L665A1AA G0I180489- Client Smp ID: 0263337
Inj Date : 24-SEP-2010 20:38
Operator : KT Inst ID: sv5.i
Smp Info : L665A1AA G0I180489-9 RI;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\092410.B\8270f.m
Meth Date : 25-Sep-2010 12:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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	4.003	4.003	(1.000)	97374	40.0000	(q)
* 2 Naphthalene-d8	136	5.412	5.412	(1.000)	414836	40.0000	
* 3 Acenaphthene-d10	164	7.516	7.516	(1.000)	225810	40.0000	
* 4 Phenanthrene-d10	188	9.464	9.464	(1.000)	375034	40.0000	
* 5 Chrysene-d12	240	13.848	13.858	(1.000)	333049	40.0000	
* 6 Perylene-d12	264	16.231	16.241	(1.000)	312688	40.0000	
$ 7 2-Fluorophenol	112	2.780	2.780	(0.695)	214641	59.6066	59.61
$ 8 Phenol-d5	99	3.661	3.650	(0.915)	319230	69.2106	69.21
$ 10 1,2-Dichlorobenzene-d4	152	4.200	4.199	(1.049)	54057	22.3329	22.33 (qR)
$ 11 Nitrobenzene-d5	82	4.625	4.624	(0.854)	119882	32.3806	32.38
$ 12 2-Fluorobiphenyl	172	6.718	6.728	(0.894)	270635	37.8693	37.87
$ 13 2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	94289	106.737	106.7
$ 14 Terphenyl-d14	244	12.076	12.086	(0.872)	295974	45.9290	45.93
108 Hexachlorobenzene	284	Compound Not Detected.					

QC Flag Legend

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

9/25/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L665A1AA G0I180489- Client Smp ID: 0263337
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\sv5\c\chem\sv5.i\092410.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	59.61	59.61	41-105
$ 8 Phenol-d5	100.0	69.21	69.21	43-122
$ 10 1,2-Dichlorobenzen	50.00	22.33	44.67*	60-120
$ 11 Nitrobenzene-d5	50.00	32.38	64.76	46-118
$ 12 2-Fluorobiphenyl	50.00	37.87	75.74	58-105
$ 13 2,4,6-Tribromophen	100.0	106.7	106.74	61-118
$ 14 Terphenyl-d14	50.00	45.93	91.86	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\092410.B\S092419.D
Lab Smp Id: L665A1AA G0I180489- Client Smp ID: 0263337
Inj Date : 24-SEP-2010 20:38
Operator : KT Inst ID: sv5.i
Smp Info : L665A1AA G0I180489-9 RI;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\092410.B\8270F.m
Meth Date : 25-Sep-2010 12:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 25
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	4.003	4.003	(1.000)	97374	40.0000		(q)
* 2	Naphthalene-d8	136	5.412	5.412	(1.000)	414836	40.0000		
* 3	Acenaphthene-d10	164	7.516	7.516	(1.000)	225810	40.0000		
* 4	Phenanthrene-d10	188	9.464	9.464	(1.000)	375034	40.0000		
* 5	Chrysene-d12	240	13.848	13.858	(1.000)	333049	40.0000		
* 6	Perylene-d12	264	16.231	16.241	(1.000)	312688	40.0000		
$ 7	2-Fluorophenol	112	2.780	2.780	(0.695)	214641	59.6066	59.61	
$ 8	Phenol-d5	99	3.661	3.650	(0.915)	319230	69.2106	69.21	
$ 10	1,2-Dichlorobenzene-d4	152	4.200	4.199	(1.049)	54057	22.3329	22.33	(qR)
$ 11	Nitrobenzene-d5	82	4.625	4.624	(0.854)	119882	32.3806	32.38	
$ 12	2-Fluorobiphenyl	172	6.718	6.728	(0.894)	270635	37.8693	37.87	
$ 13	2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	94289	106.737	106.7	
$ 14	Terphenyl-d14	244	12.076	12.086	(0.872)	295974	45.9290	45.93	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092419.D
Lab Smp Id: L665A1AA G0I180489-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

Calibration Date: 24-SEP-2010
Calibration Time: 11:19
Client Smp ID: 0263337
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	97374	-13.37
2 Naphthalene-d8	494728	247364	989456	414836	-16.15
3 Acenaphthene-d10	264752	132376	529504	225810	-14.71
4 Phenanthrene-d10	415811	207906	831622	375034	-9.81
5 Chrysene-d12	431516	215758	863032	333049	-22.82
6 Perylene-d12	416460	208230	832920	312688	-24.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.00	3.50	4.50	4.00	0.01
2 Naphthalene-d8	5.41	4.91	5.91	5.41	0.00
3 Acenaphthene-d10	7.52	7.02	8.02	7.52	0.00
4 Phenanthrene-d10	9.46	8.96	9.96	9.46	0.00
5 Chrysene-d12	13.86	13.36	14.36	13.85	-0.07
6 Perylene-d12	16.24	15.74	16.74	16.23	-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.

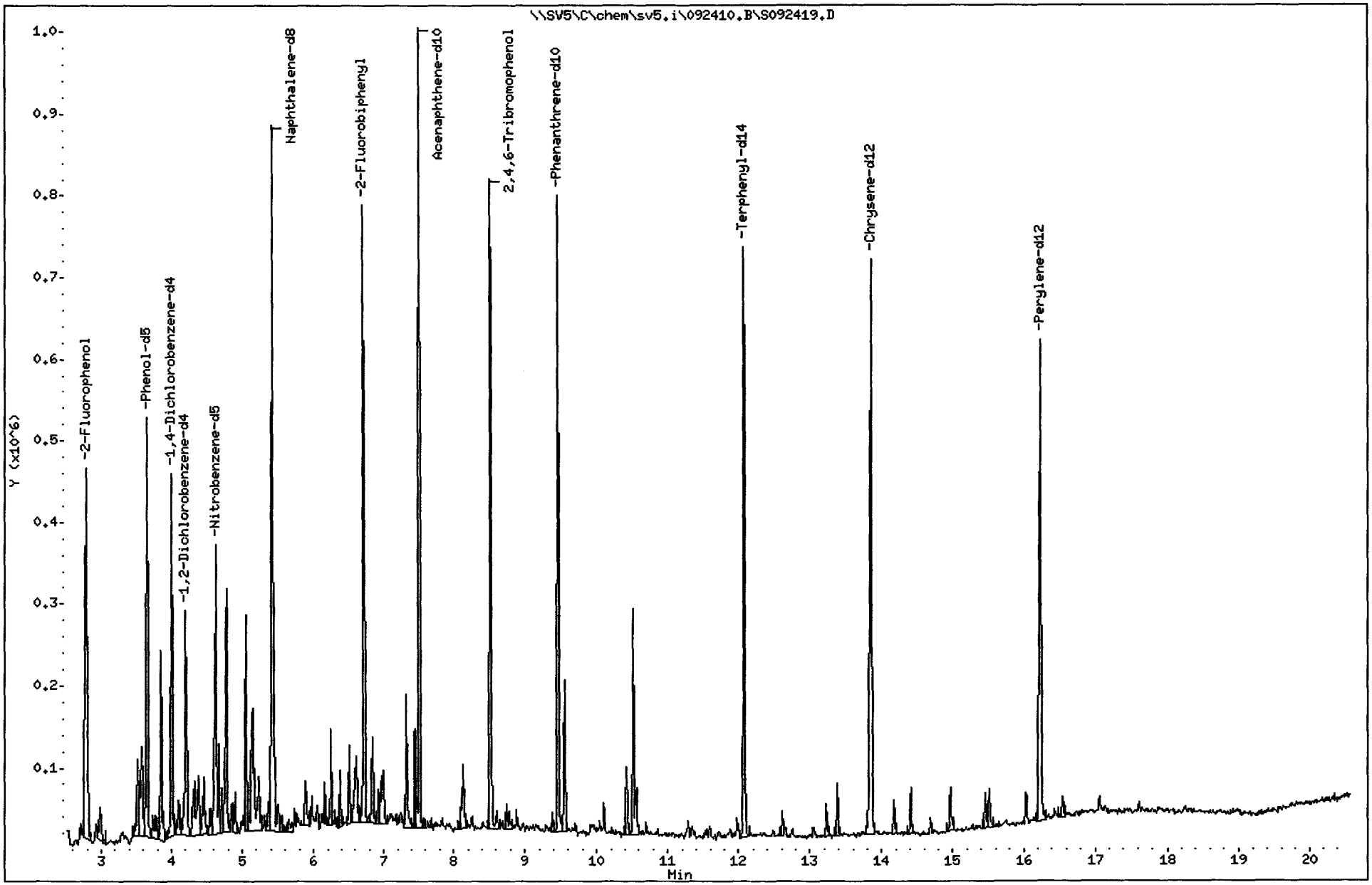
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L665A1AA G0I180489- Client Smp ID: 0263337
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	59.61	59.61	41-105
$ 8 Phenol-d5	100.0	69.21	69.21	43-122
$ 10 1,2-Dichlorobenzen	50.00	22.33	44.67*	60-120
$ 11 Nitrobenzene-d5	50.00	32.38	64.76	46-118
$ 12 2-Fluorobiphenyl	50.00	37.87	75.74	58-105
$ 13 2,4,6-Tribromophen	100.0	106.7	106.74	61-118
$ 14 Terphenyl-d14	50.00	45.93	91.86	69-110

Data File: \\SV5\C\chem\sv5.i\092410.B\S092419.D
Date : 24-SEP-2010 20:38
Client ID: 0263337
Instrument: sv5.i
Sample Info: L665A1AA G0I180489-9 RI;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Operator: KT
Column phase:
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\092410.B\S092420.D
Lab Smp Id: L665C1AA G0I180489- Client Smp ID: 0263337
Inj Date : 24-SEP-2010 20:46
Operator : KT Inst ID: sv5.i
Smp Info : L665C1AA G0I180489-10 RI;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\092410.B\8270f.m
Meth Date : 25-Sep-2010 12:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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	4.003	4.003	(1.000)	115199	40.0000		(Q)
* 2 Naphthalene-d8	136	5.412	5.412	(1.000)	482791	40.0000		
* 3 Acenaphthene-d10	164	7.516	7.516	(1.000)	262256	40.0000		
* 4 Phenanthrene-d10	188	9.464	9.464	(1.000)	424418	40.0000		
* 5 Chrysene-d12	240	13.848	13.858	(1.000)	377219	40.0000		
* 6 Perylene-d12	264	16.231	16.241	(1.000)	368085	40.0000		
$ 7 2-Fluorophenol	112	2.780	2.780	(0.695)	237099	55.6552	55.66	
$ 8 Phenol-d5	99	3.650	3.650	(0.912)	342502	62.7663	62.77	
$ 10 1,2-Dichlorobenzene-d4	152	4.200	4.199	(1.049)	61770	21.5708	21.57	(qR)
$ 11 Nitrobenzene-d5	82	4.625	4.624	(0.854)	134515	31.2190	31.22	
$ 12 2-Fluorobiphenyl	172	6.718	6.728	(0.894)	289845	34.9210	34.92	
$ 13 2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	106758	104.058	104.0	
$ 14 Terphenyl-d14	244	12.076	12.086	(0.872)	328566	45.0164	45.02	
108 Hexachlorobenzene	284	Compound Not Detected.						

9/25/10

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092420.D
Lab Smp Id: L665C1AA G0I180489-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

Calibration Date: 24-SEP-2010
Calibration Time: 11:19
Client Smp ID: 0263337
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	115199	2.49
2 Naphthalene-d8	494728	247364	989456	482791	-2.41
3 Acenaphthene-d10	264752	132376	529504	262256	-0.94
4 Phenanthrene-d10	415811	207906	831622	424418	2.07
5 Chrysene-d12	431516	215758	863032	377219	-12.58
6 Perylene-d12	416460	208230	832920	368085	-11.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.00	3.50	4.50	4.00	0.01
2 Naphthalene-d8	5.41	4.91	5.91	5.41	0.00
3 Acenaphthene-d10	7.52	7.02	8.02	7.52	0.00
4 Phenanthrene-d10	9.46	8.96	9.96	9.46	0.00
5 Chrysene-d12	13.86	13.36	14.36	13.85	-0.07
6 Perylene-d12	16.24	15.74	16.74	16.23	-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.

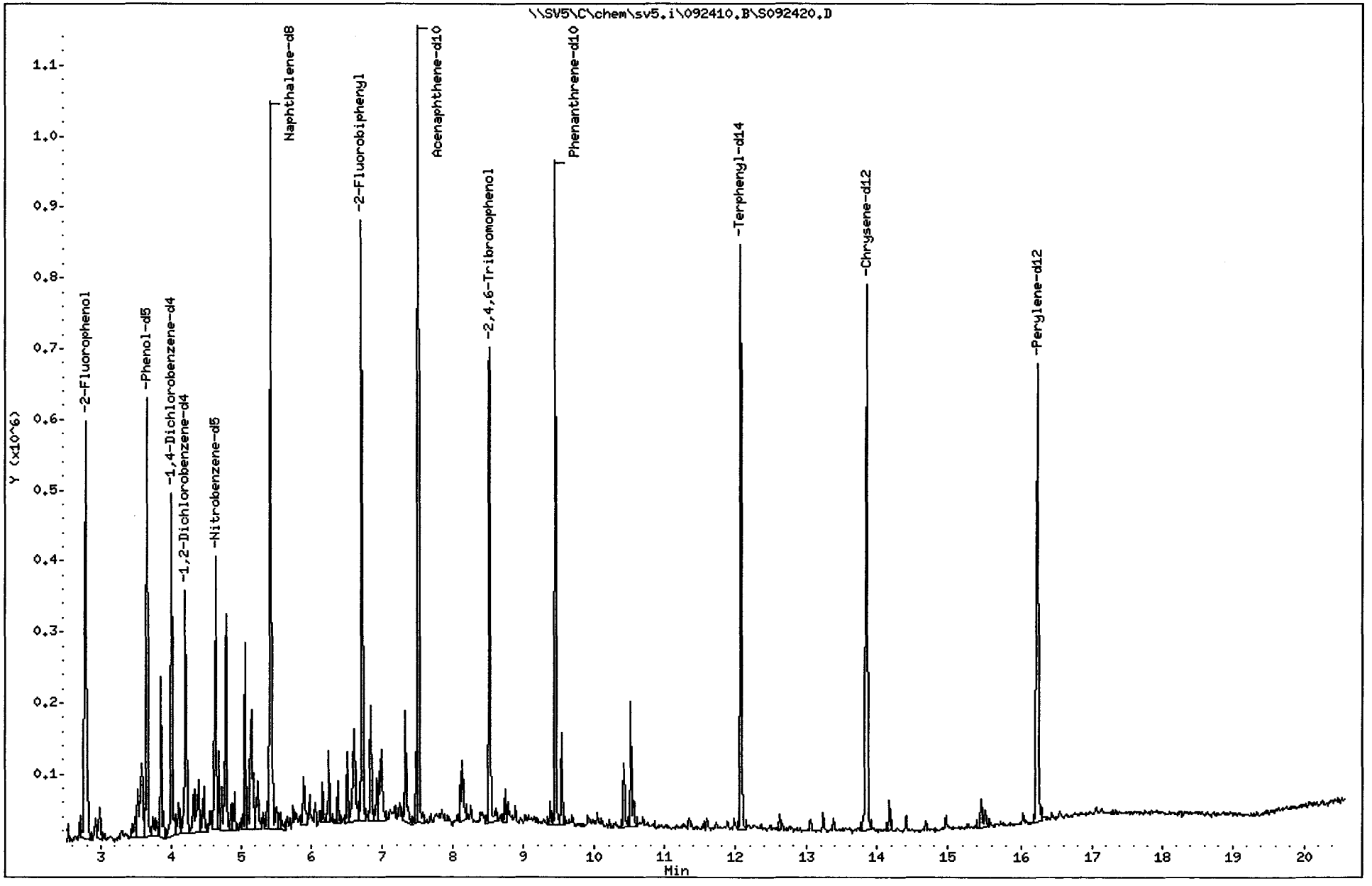
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L665C1AA G0I180489- Client Smp ID: 0263337
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	55.66	55.66	41-105
$ 8 Phenol-d5	100.0	62.77	62.77	43-122
$ 10 1,2-Dichlorobenzen	50.00	21.57	43.14*	60-120
$ 11 Nitrobenzene-d5	50.00	31.22	62.44	46-118
$ 12 2-Fluorobiphenyl	50.00	34.92	69.84	58-105
$ 13 2,4,6-Tribromophen	100.0	104.0	104.06	61-118
$ 14 Terphenyl-d14	50.00	45.02	90.03	69-110

Data File: \\SV5\C\chem\sv5.i\092410.B\S092420.D
Date : 24-SEP-2010 20:46
Client ID: 0263337
Instrument: sv5.i
Sample Info: L665C1AA GOI180489-10 RI:0:::1000::1000:5
Volume Injected (uL): 1.0
Operator: KT
Column phase:
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\092410.B\S092421.D
Lab Smp Id: L665D1AA G0I180489- Client Smp ID: 0263337
Inj Date : 24-SEP-2010 21:13
Operator : KT Inst ID: sv5.i
Smp Info : L665D1AA G0I180489-11 RI;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\092410.B\8270f.m
Meth Date : 25-Sep-2010 12:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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	4.003	4.003	(1.000)	106335	40.0000		(q)
* 2 Naphthalene-d8	136	5.412	5.412	(1.000)	456772	40.0000		
* 3 Acenaphthene-d10	164	7.516	7.516	(1.000)	237231	40.0000		
* 4 Phenanthrene-d10	188	9.464	9.464	(1.000)	370778	40.0000		
* 5 Chrysene-d12	240	13.848	13.858	(1.000)	353016	40.0000		
* 6 Perylene-d12	264	16.231	16.241	(1.000)	371007	40.0000		
$ 7 2-Fluorophenol	112	2.780	2.780	(0.695)	202834	51.5809	51.58	
$ 8 Phenol-d5	99	3.650	3.650	(0.912)	308473	61.2425	61.24	
$ 10 1,2-Dichlorobenzene-d4	152	4.200	4.199	(1.049)	58934	22.2960	22.30	(qR)
$ 11 Nitrobenzene-d5	82	4.624	4.624	(0.854)	112174	27.5170	27.52	
$ 12 2-Fluorobiphenyl	172	6.718	6.728	(0.894)	259961	34.6245	34.62	
$ 13 2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	95957	103.396	103.4	
$ 14 Terphenyl-d14	244	12.075	12.086	(0.872)	295257	43.2262	43.23	
108 Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

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

9/24/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092421.D
Lab Smp Id: L665D1AA G0I180489-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

Calibration Date: 24-SEP-2010
Calibration Time: 11:19
Client Smp ID: 0263337
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	106335	-5.40
2 Naphthalene-d8	494728	247364	989456	456772	-7.67
3 Acenaphthene-d10	264752	132376	529504	237231	-10.40
4 Phenanthrene-d10	415811	207906	831622	370778	-10.83
5 Chrysene-d12	431516	215758	863032	353016	-18.19
6 Perylene-d12	416460	208230	832920	371007	-10.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.00	3.50	4.50	4.00	0.00
2 Naphthalene-d8	5.41	4.91	5.91	5.41	0.00
3 Acenaphthene-d10	7.52	7.02	8.02	7.52	0.00
4 Phenanthrene-d10	9.46	8.96	9.96	9.46	0.00
5 Chrysene-d12	13.86	13.36	14.36	13.85	-0.07
6 Perylene-d12	16.24	15.74	16.74	16.23	-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

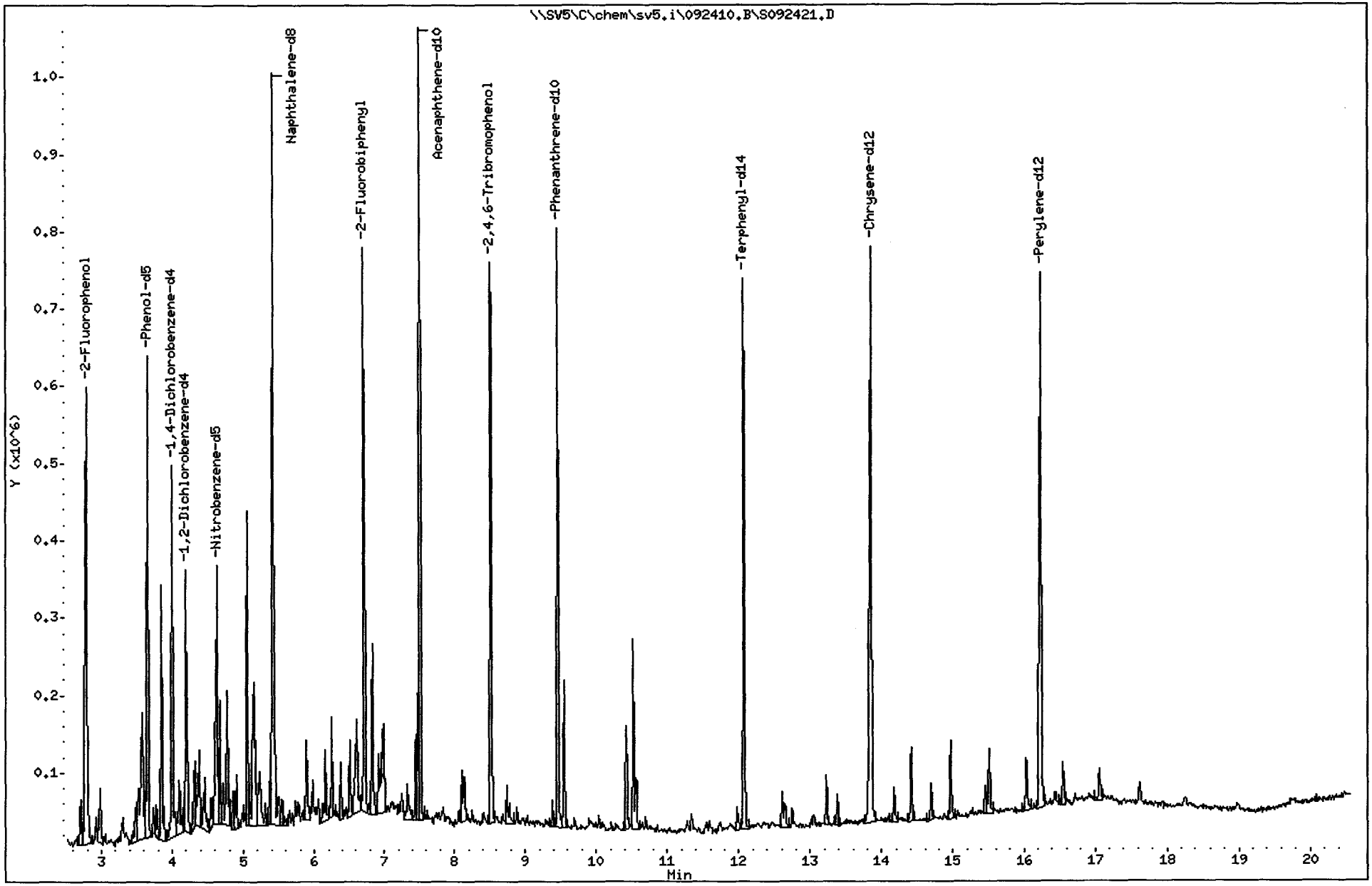
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L665D1AA G0I180489- Client Smp ID: 0263337
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	51.58	51.58	41-105
$ 8 Phenol-d5	100.0	61.24	61.24	43-122
$ 10 1,2-Dichlorobenzen	50.00	22.30	44.59*	60-120
$ 11 Nitrobenzene-d5	50.00	27.52	55.03	46-118
$ 12 2-Fluorobiphenyl	50.00	34.62	69.25	58-105
$ 13 2,4,6-Tribromophen	100.0	103.4	103.40	61-118
$ 14 Terphenyl-d14	50.00	43.23	86.45	69-110

Data File: \\SV5\C\chem\sv5.i\092410.B\S092421.D
Date : 24-SEP-2010 21:13
Client ID: 0263337
Sample Info: L665D1AA GOI180489-11 RI;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\092410.B\S092422.D
Lab Smp Id: L665E1AA G0I180489- Client Smp ID: 0263337
Inj Date : 24-SEP-2010 21:39
Operator : KT Inst ID: sv5.i
Smp Info : L665E1AA G0I180489-12 RI;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\092410.B\8270f.m
Meth Date : 25-Sep-2010 12:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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	4.003	4.003	(1.000)	108091	40.0000	(Q)
* 2 Naphthalene-d8	136	5.412	5.412	(1.000)	448888	40.0000	
* 3 Acenaphthene-d10	164	7.516	7.516	(1.000)	254038	40.0000	
* 4 Phenanthrene-d10	188	9.464	9.464	(1.000)	397227	40.0000	
* 5 Chrysene-d12	240	13.847	13.858	(1.000)	348822	40.0000	
* 6 Perylene-d12	264	16.231	16.241	(1.000)	343325	40.0000	
$ 7 2-Fluorophenol	112	2.780	2.780	(0.695)	214911	53.7642	53.76
$ 8 Phenol-d5	99	3.661	3.650	(0.915)	338817	66.1740	66.17
$ 10 1,2-Dichlorobenzene-d4	152	4.199	4.199	(1.049)	60706	22.5933	22.59(QR)
$ 11 Nitrobenzene-d5	82	4.624	4.624	(0.854)	125988	31.4484	31.45
$ 12 2-Fluorobiphenyl	172	6.718	6.728	(0.894)	302823	37.6649	37.66
$ 13 2,4,6-Tribromophenol	330	8.531	8.531	(1.135)	94448	95.0371	95.04
$ 14 Terphenyl-d14	244	12.075	12.086	(0.872)	304125	45.0599	45.06
108 Hexachlorobenzene	284	9.039	9.039	(0.955)	3467	1.68297	1.683(q)

QC Flag Legend

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

9/25/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S092422.D
Lab Smp Id: L665E1AA G0I180489-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

Calibration Date: 24-SEP-2010
Calibration Time: 11:19
Client Smp ID: 0263337
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	108091	-3.83
2 Naphthalene-d8	494728	247364	989456	448888	-9.27
3 Acenaphthene-d10	264752	132376	529504	254038	-4.05
4 Phenanthrene-d10	415811	207906	831622	397227	-4.47
5 Chrysene-d12	431516	215758	863032	348822	-19.16
6 Perylene-d12	416460	208230	832920	343325	-17.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.00	3.50	4.50	4.00	0.00
2 Naphthalene-d8	5.41	4.91	5.91	5.41	0.00
3 Acenaphthene-d10	7.52	7.02	8.02	7.52	0.00
4 Phenanthrene-d10	9.46	8.96	9.96	9.46	0.00
5 Chrysene-d12	13.86	13.36	14.36	13.85	-0.07
6 Perylene-d12	16.24	15.74	16.74	16.23	-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.

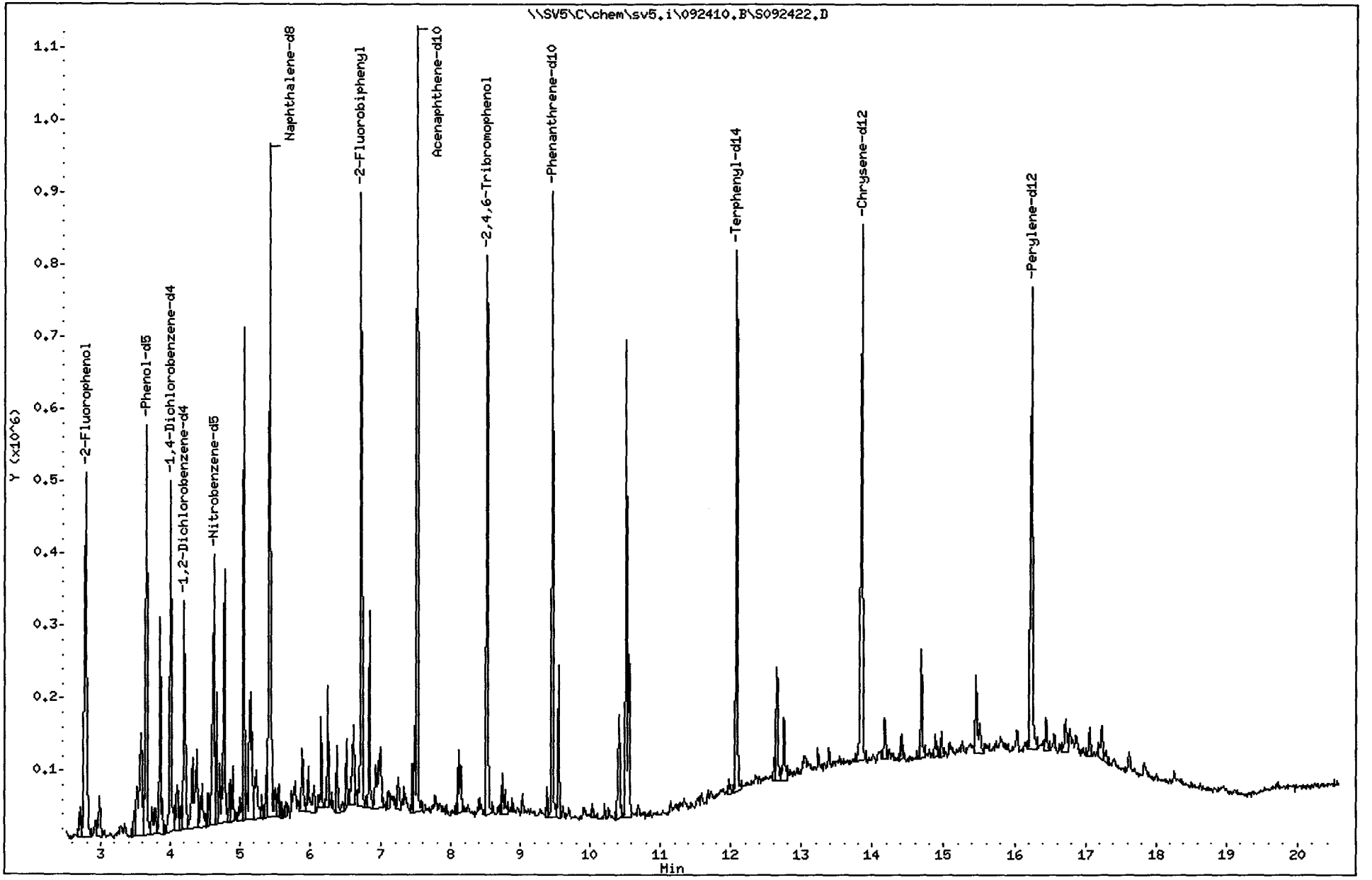
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: L665E1AA G0I180489- Client Smp ID: 0263337
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\092410.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0263337;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	53.76	53.76	41-105
$ 8 Phenol-d5	100.0	66.17	66.17	43-122
$ 10 1,2-Dichlorobenzen	50.00	22.59	45.19*	60-120
$ 11 Nitrobenzene-d5	50.00	31.45	62.90	46-118
$ 12 2-Fluorobiphenyl	50.00	37.66	75.33	58-105
$ 13 2,4,6-Tribromophen	100.0	95.04	95.04	61-118
$ 14 Terphenyl-d14	50.00	45.06	90.12	69-110

Data File: \\SV5\C\chem\sv5.i\092410.B\S092422.D
Date : 24-SEP-2010 21:39
Client ID: 0263337
Instrument: sv5.i
Sample Info: L665E1AA GOI180489-12 RI:0;;;1000;;1000;5
Volume Injected (uL): 1.0
Operator: KT
Column phase:
Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\092410.B\S092422.D

Date : 24-SEP-2010 21:39

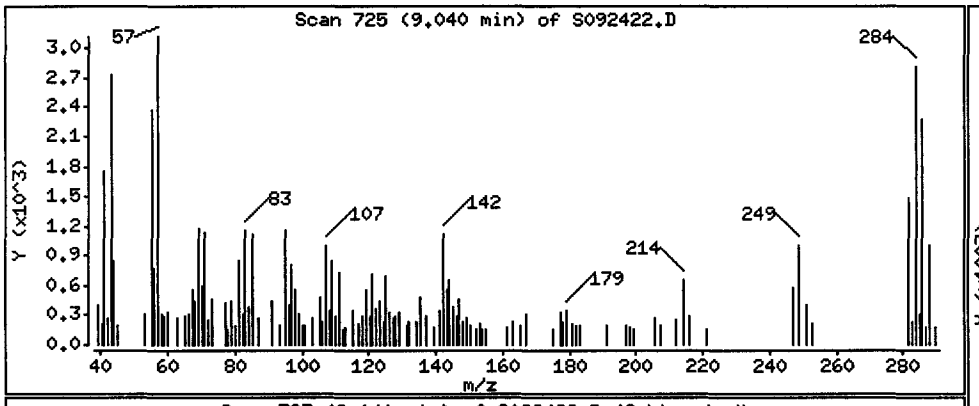
Client ID: 0263337 Instrument: sv5.i

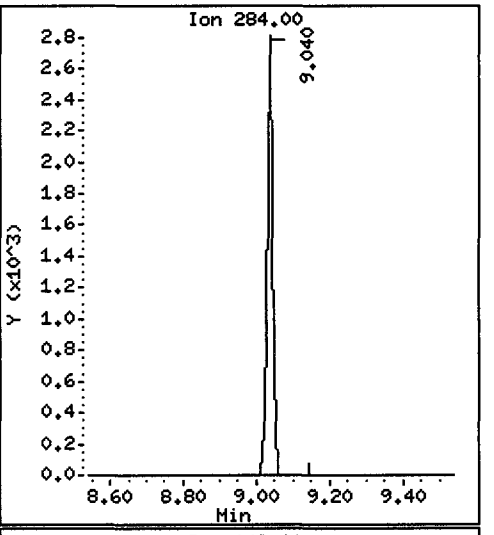
Sample Info: L665E1AA G0I180489-12 RI:0;;;1000;;1000;5

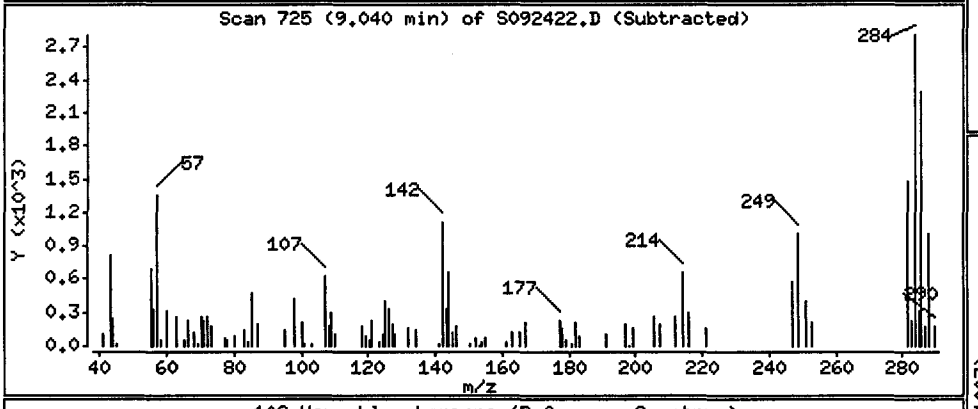
Volume Injected (uL): 1.0 Operator: KT

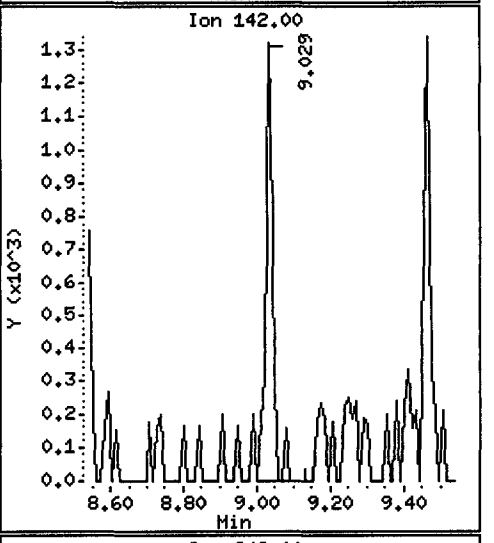
Column phase: Column diameter: 2.00

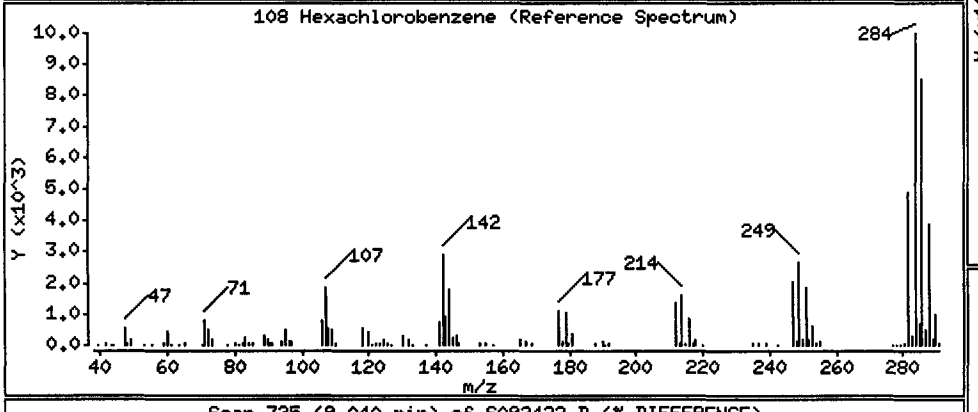
108 Hexachlorobenzene Concentration: 1.683 ug/L

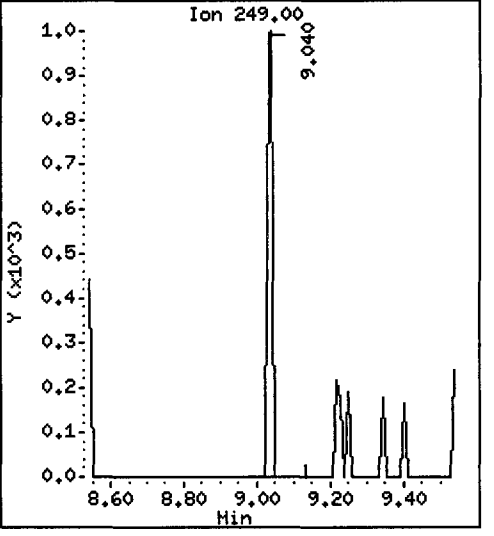


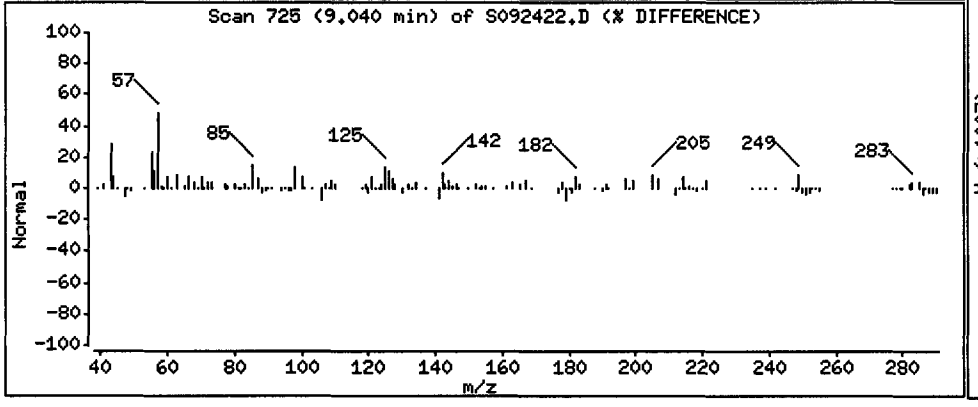












Initial Calibration

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

Injection Date: 8/23/2010

Initiator/Date: SRS/8/24/2010

Reviewer/Date: 8/24/10

DFTPP Mix ID: 10MSSV0129

STD Mix IDs: 10MSSV0307-0313

2nd Source Mix ID: 10MSSV0314 ~~306~~ 314 8/31/2010

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%~~ 8/26/10

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 @ 720 ppb~~ 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

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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

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

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

Manual calculation for 4-chloroaniline @ Level 5:

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

TestAmerica West Sacramento

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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										
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

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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										
33 2,2'-oxybis(1-Chloropropane)	2.84785	2.85870	2.95562	2.91080	2.89000	2.96987					
	2.90713						AVRG		2.90571		1.56706
34 4-Methylphenol	1.43204	1.55502	1.60476	1.60650	1.60766	1.65718					
	1.63301						AVRG		1.58517		4.69088
36 Hexachloroethane	0.62035	0.60365	0.62821	0.60905	0.62746	0.63771					
	0.62827						AVRG		0.62210		1.92646
37 N-Nitrosodinpropylamine	1.09571	1.08610	1.10028	1.12427	1.11067	1.15868					
	1.13347						AVRG		1.11560		2.24842
42 Nitrobenzene	0.36219	0.34203	0.34763	0.35298	0.36080	0.36388					
	0.36074						AVRG		0.35575		2.35137
44 Isophorone	0.66145	0.63880	0.64953	0.68152	0.68986	0.71183					
	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

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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										
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

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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										
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

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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										
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

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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										
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

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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	1.23623	1.27426	1.22593	1.27878					
	1.25159						AVRG		1.25231		2.06531

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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

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

TestAmerica West Sacramento

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										
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

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

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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										
$ 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	160.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 14 Terphenyl-d14	0.76318	0.78543	0.75391	0.76156	0.78639	0.79768	0.76957	AVRG		0.77396		2.07014

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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

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

Signal Calibration Report

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

Calibration Formulas

Calibration Mode: by Response

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

Initial Calibration Table

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

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

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor

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

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

Report Date: 24-Aug-2010 13:22

Calibration History

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

Initial Calibration

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

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

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

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

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

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

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

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

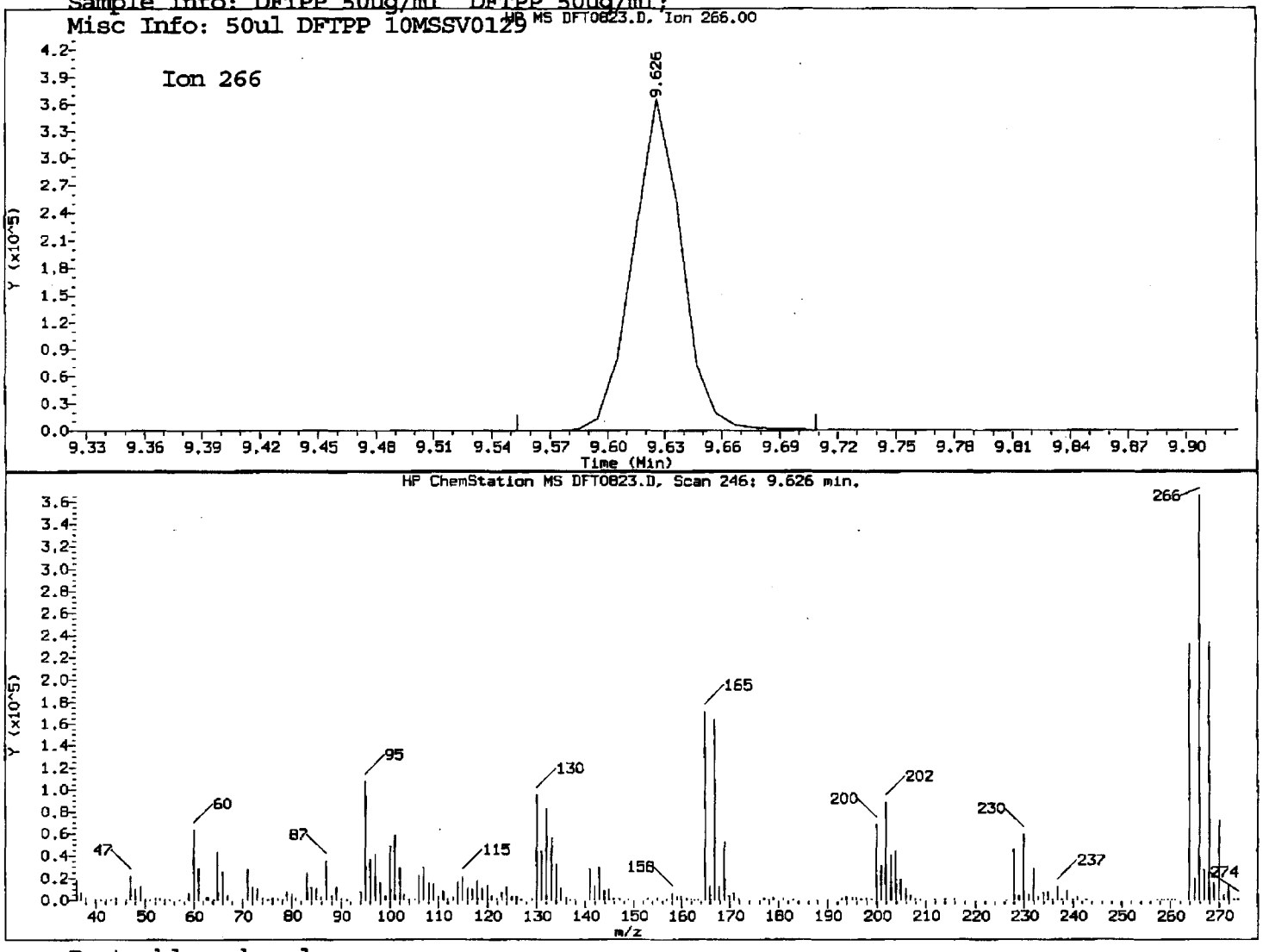
Sample //SV5/C/chem/sv5.i/082310B.B/DFT0823.D/DFT0823.D

GRB 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

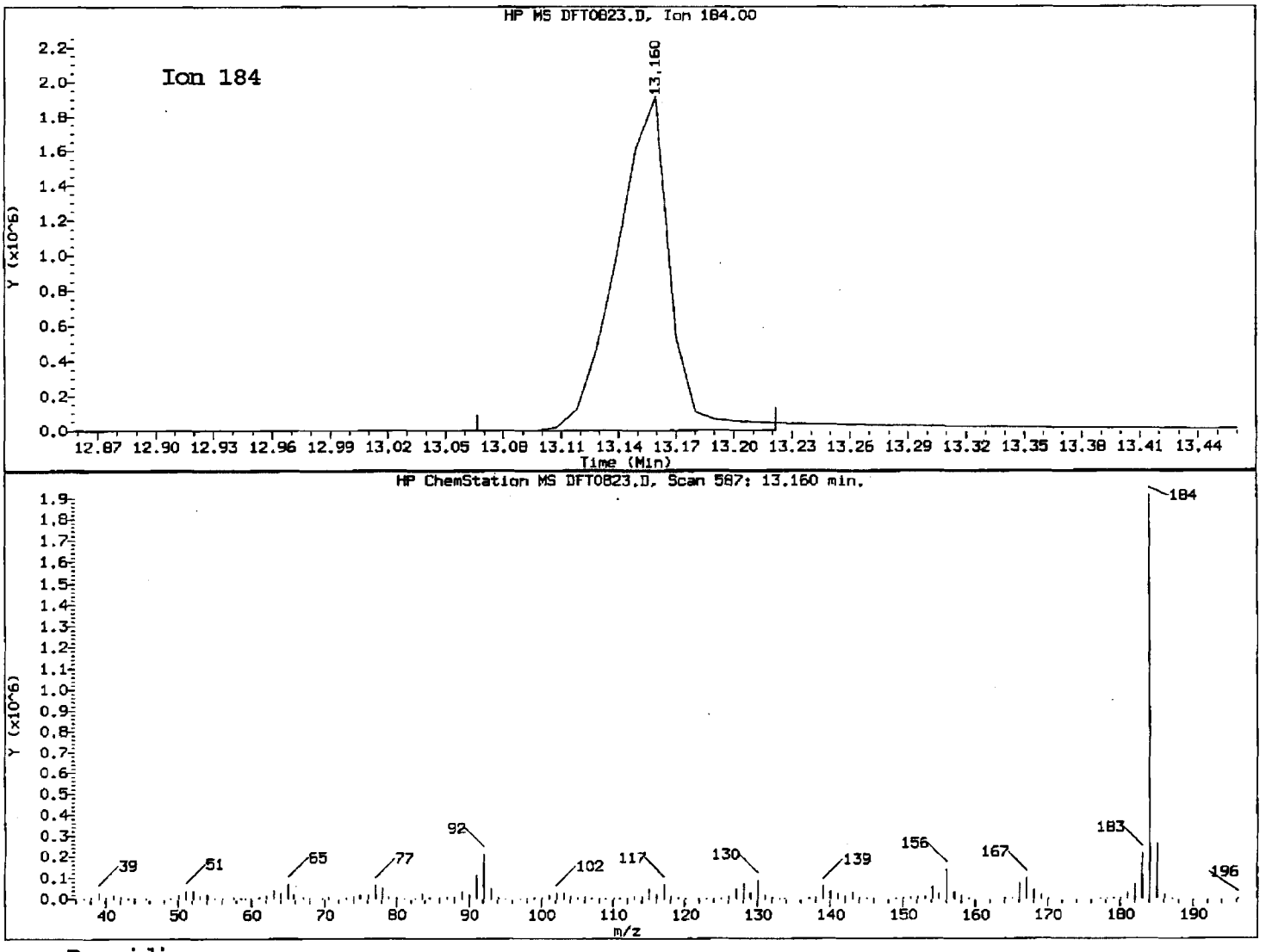
Time1 = 9.598356 Time2 = 9.625783 Time3 = 9.653574
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

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

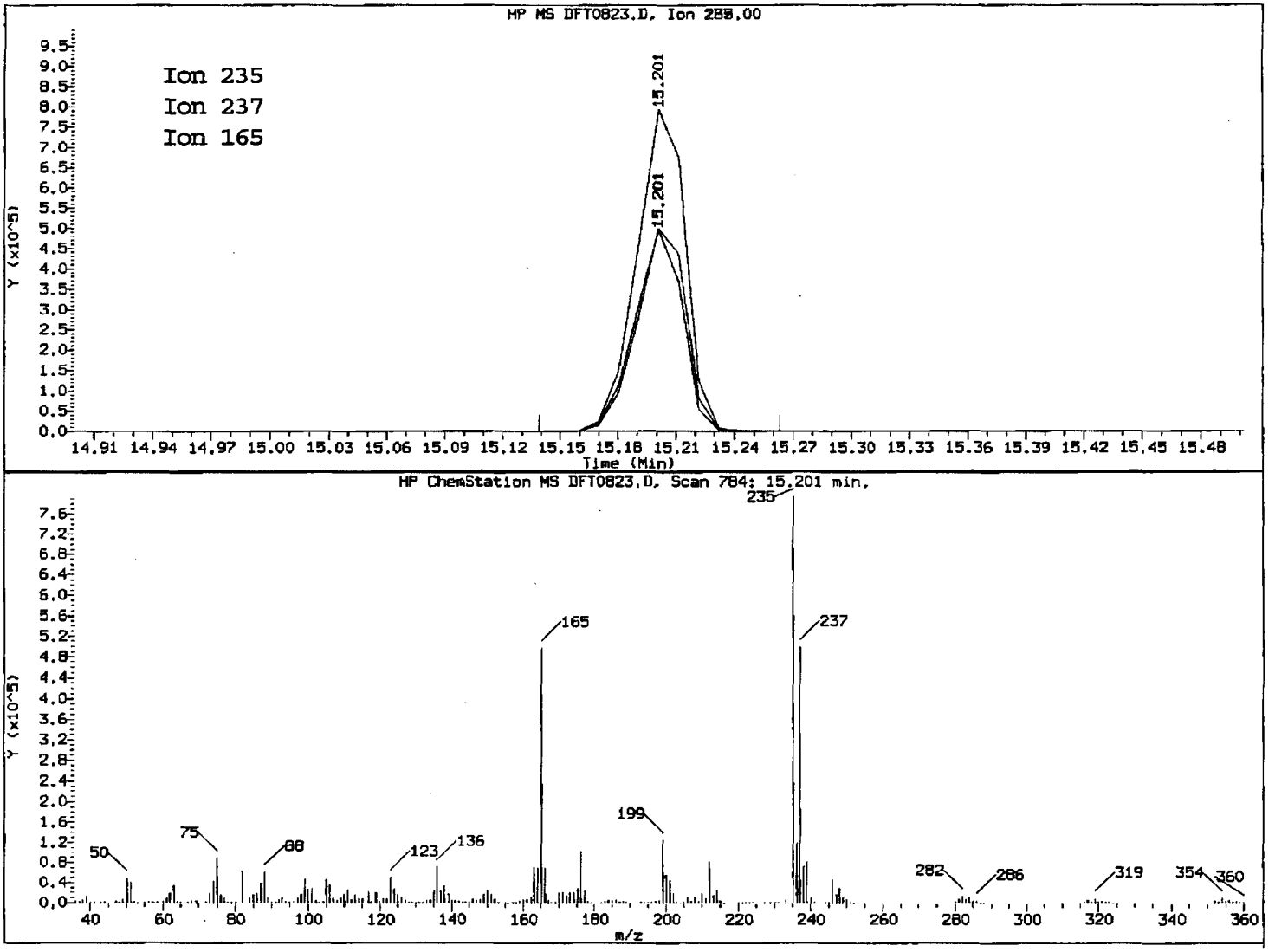
Time1 = 13.12013 Time2 = 13.15958 Time3 = 13.1783
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

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

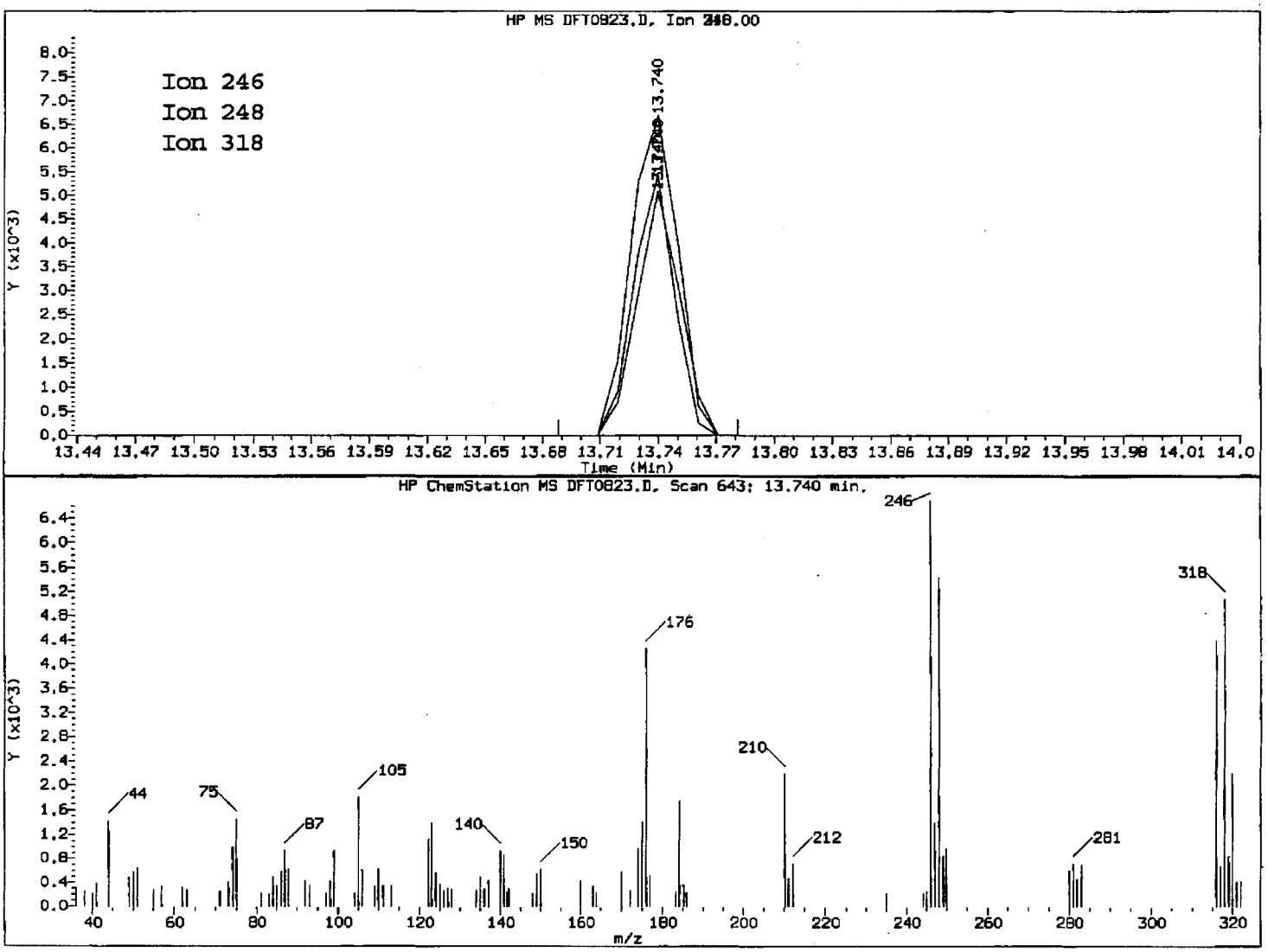


4,4'-DDT
========
Exp. RT = 15.357
Found RT = 15.201

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

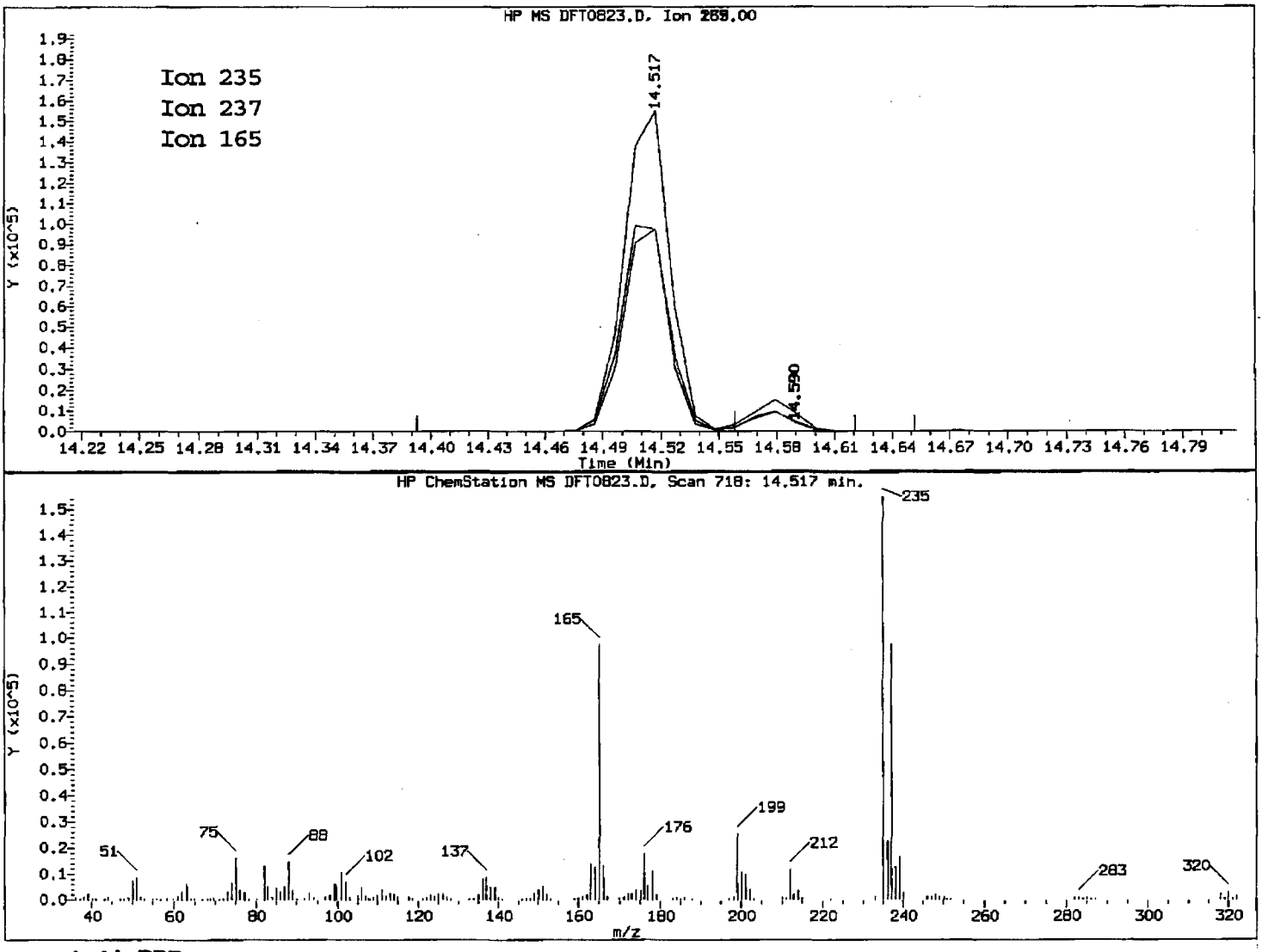


4,4'-DDE
========
Exp. RT = 13.875
Found RT = 13.740

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

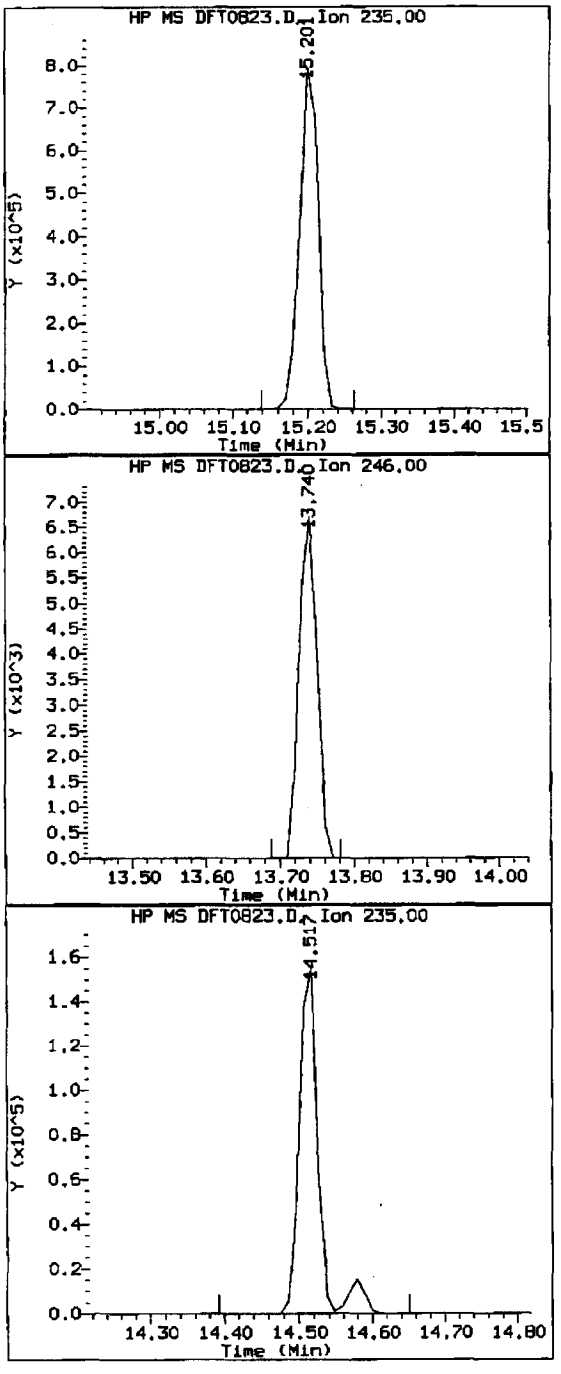
Report Date: 08/23/2010 16:11

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:

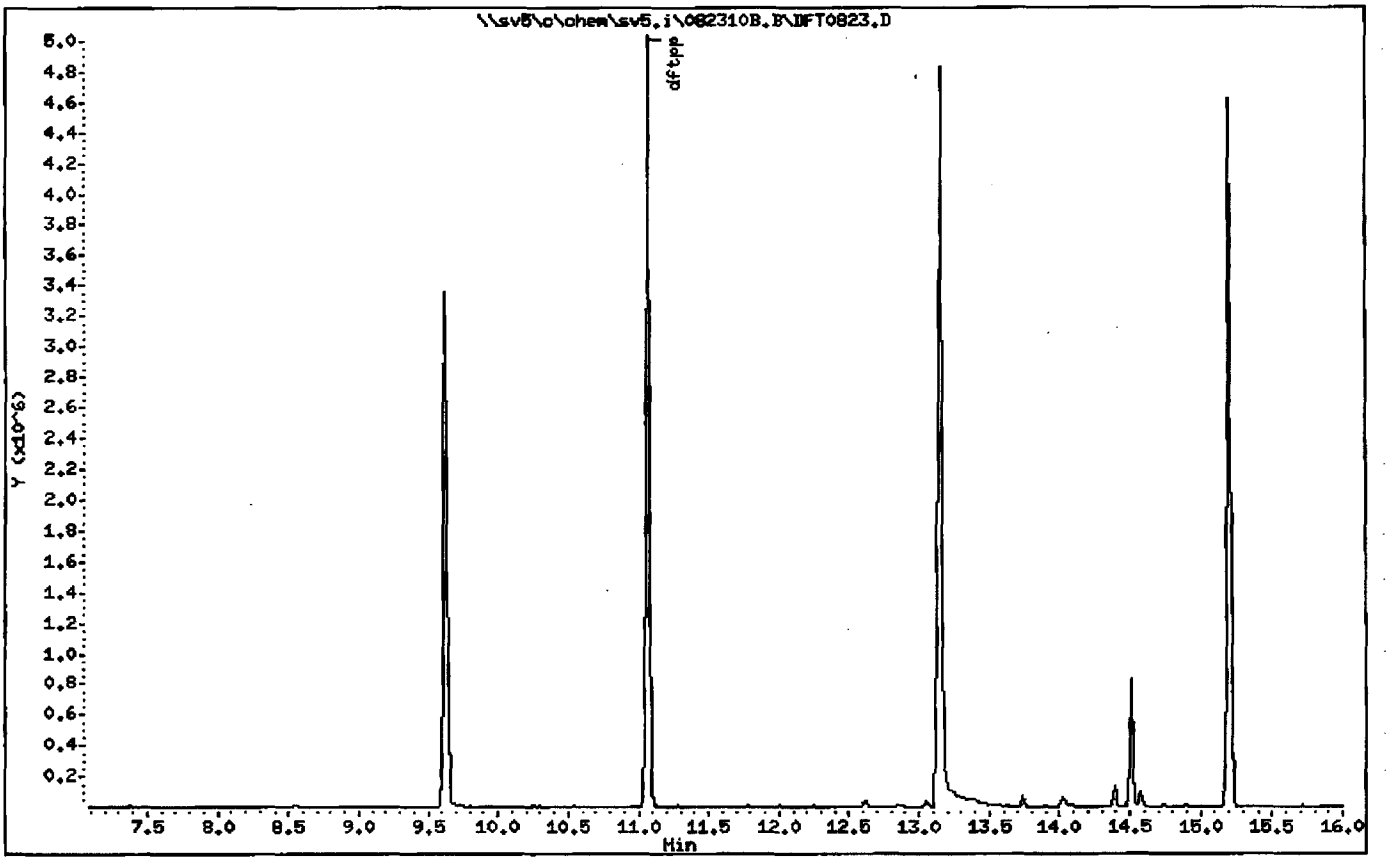
Instrument: sv5.i

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

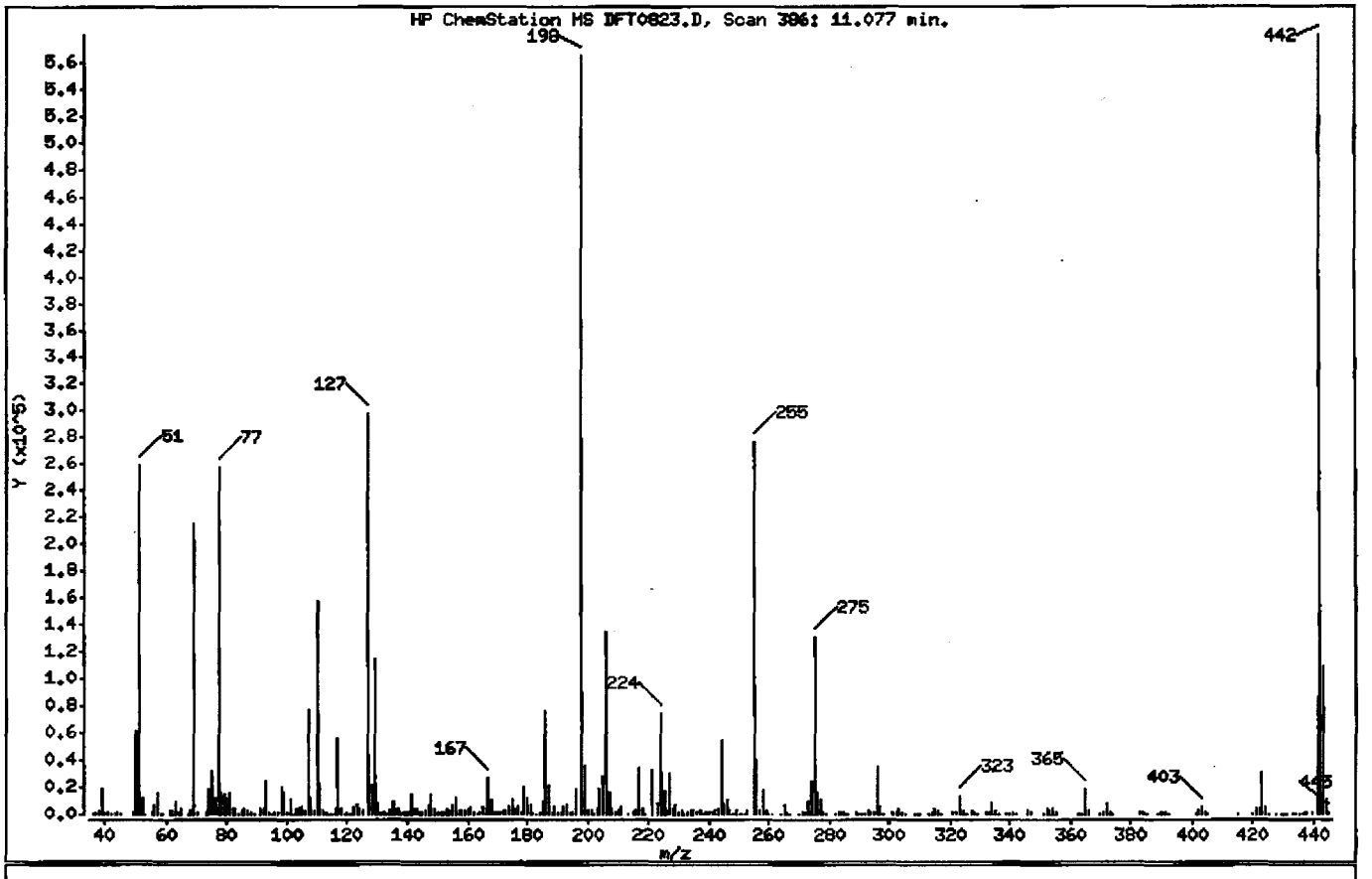
Sample Info: DFTPP 50ug/ml;

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	8455	215.10	1555	314.00	1633
39.10	18040	131.00	1380	216.00	2763	315.00	4369
40.00	1021	132.00	754	217.00	34232	316.00	2372
41.10	887	132.70	505	218.00	3859	317.10	473
42.00	206	134.00	2664	219.00	373	321.00	1388
43.10	325	135.00	9182	221.10	33248	322.10	1061
44.00	911	136.00	3578	223.00	8572	323.10	13011
45.00	273	137.00	4603	224.10	78136	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

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
79.00	14470	163.00	386	250.20	568	366.00	2172
80.00	11570	164.00	1018	251.00	625	369.90	347
81.00	16007	165.00	4997	252.00	554	371.10	1281
82.00	4047	166.10	4120	253.00	2062	372.10	7448
83.00	4205	167.10	27120	255.00	276032	373.00	1781
84.00	610	168.00	11313	256.00	39528	374.10	310
85.00	2688	169.00	1815	257.00	3306	383.00	1607
86.00	4371	170.10	865	258.00	16952	384.00	765
87.00	2386	171.00	983	259.00	2790	385.00	354
88.10	778	172.00	2515	260.10	601	388.90	222
89.00	313	173.00	2882	261.00	627	390.10	1213
91.00	3884	174.10	4879	264.10	601	391.00	784
92.00	3476	175.10	10661	265.00	6909	392.10	289
93.00	24256	176.00	3906	266.10	1092	401.00	377
94.10	1453	177.00	4868	267.00	248	402.00	3249
95.00	537	178.10	1948	270.10	434	403.00	5155
96.10	1019	179.00	20160	271.00	844	404.00	1841
96.90	708	180.10	12540	272.10	1057	405.00	389
98.00	19464	181.10	6908	273.10	9654	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	5846	187.10	20696	279.00	405	425.00	591
105.00	5729	188.10	1965	281.90	260	427.80	262
106.00	2041	189.00	4826	283.10	1466	429.30	355
107.00	77104	190.00	863	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	568	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

8/24/2010

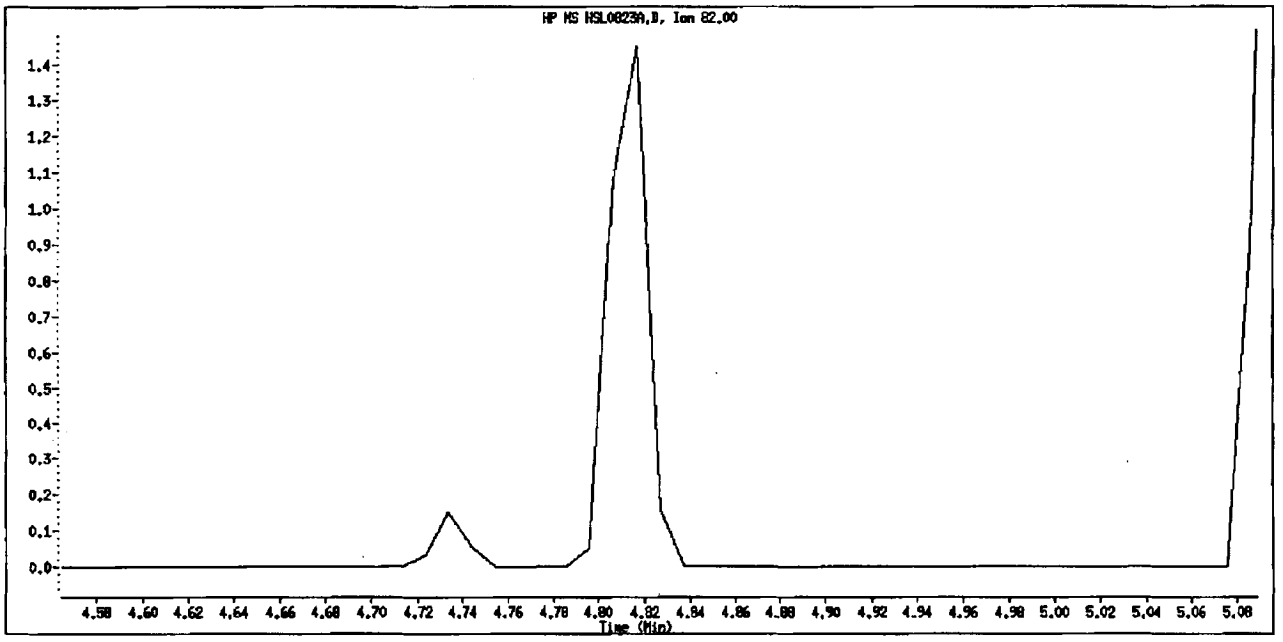
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	18999	5.00000	4.768
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	12803	5.00000	4.932
50	Benzoic Acid	122	5.282	5.282	(0.943)	8004	5.00000	6.346
51	1,2,4-Trichlorobenzene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

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

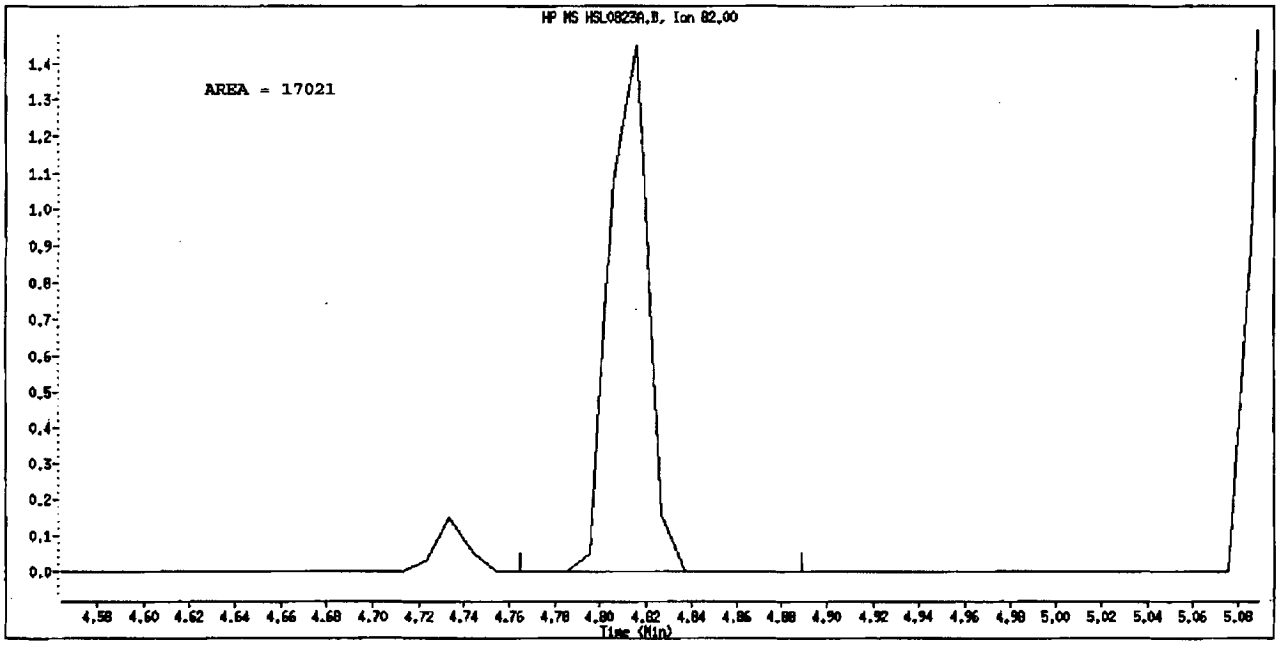
QC Flag Legend

M - Compound response manually integrated.

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



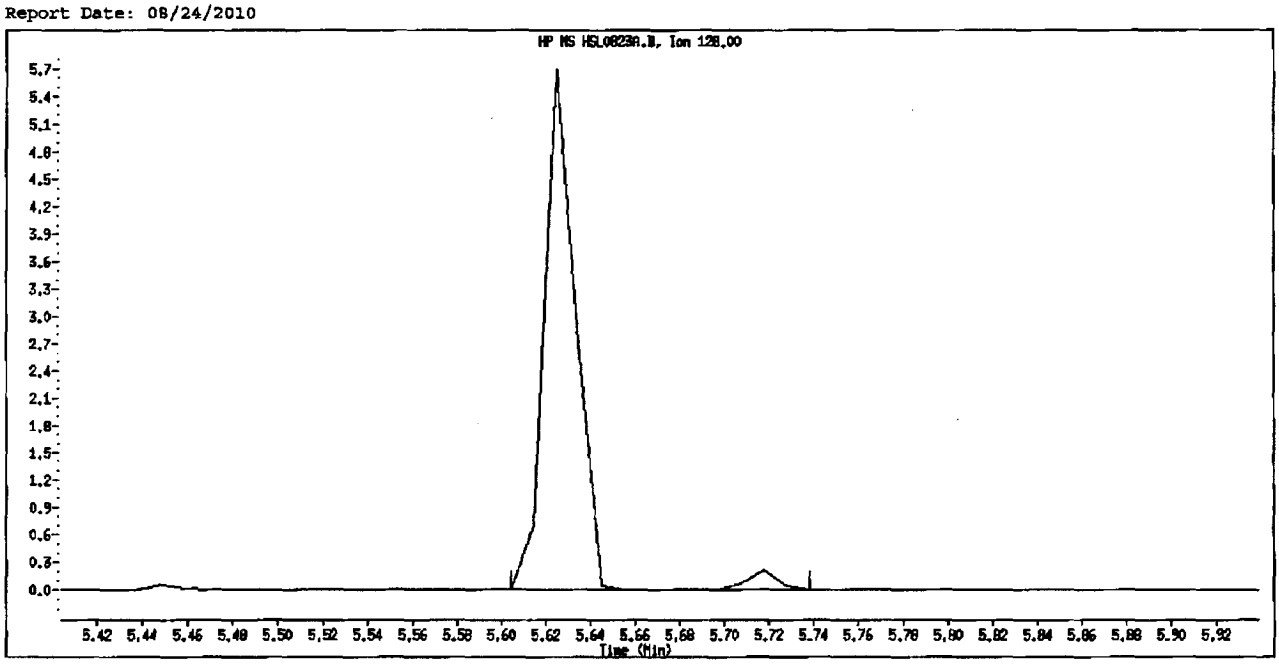
Original Integration



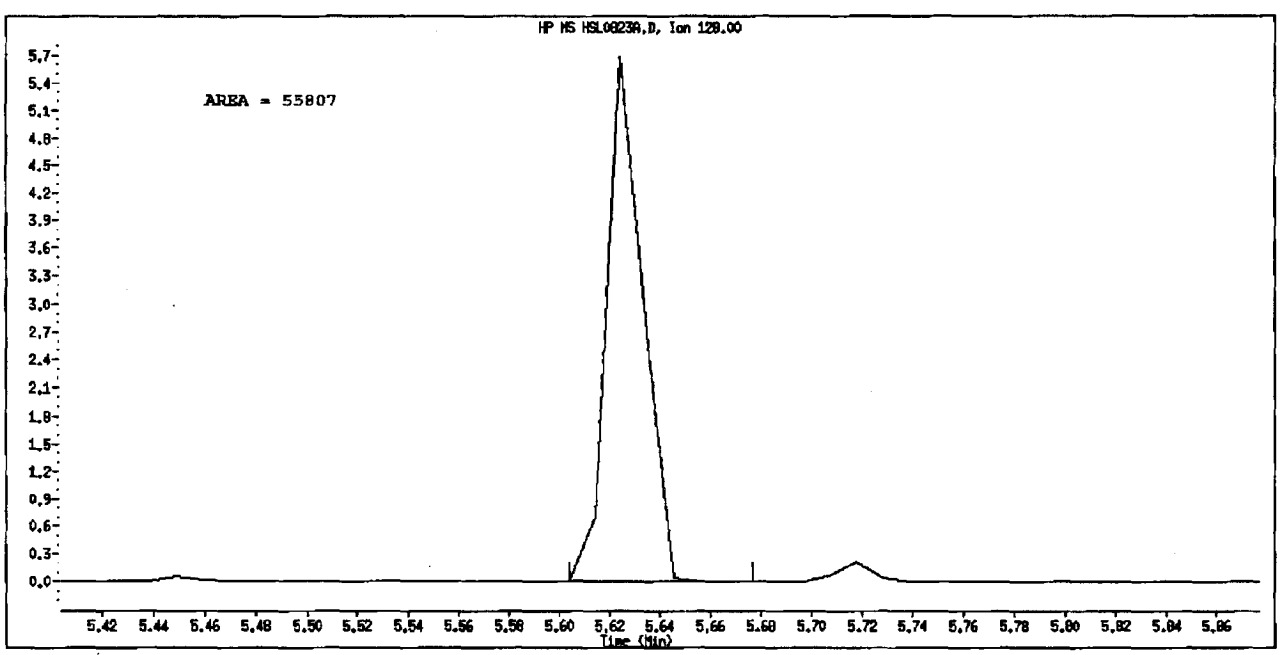
Manual Integration

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

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



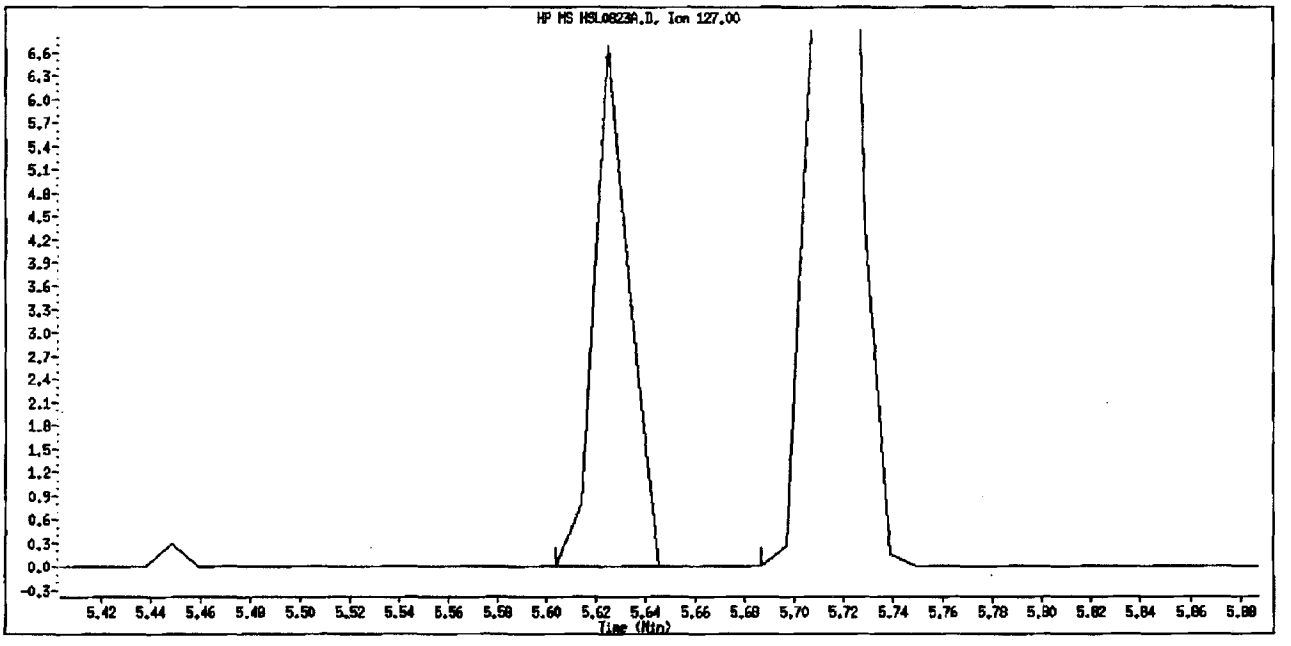
Original Integration



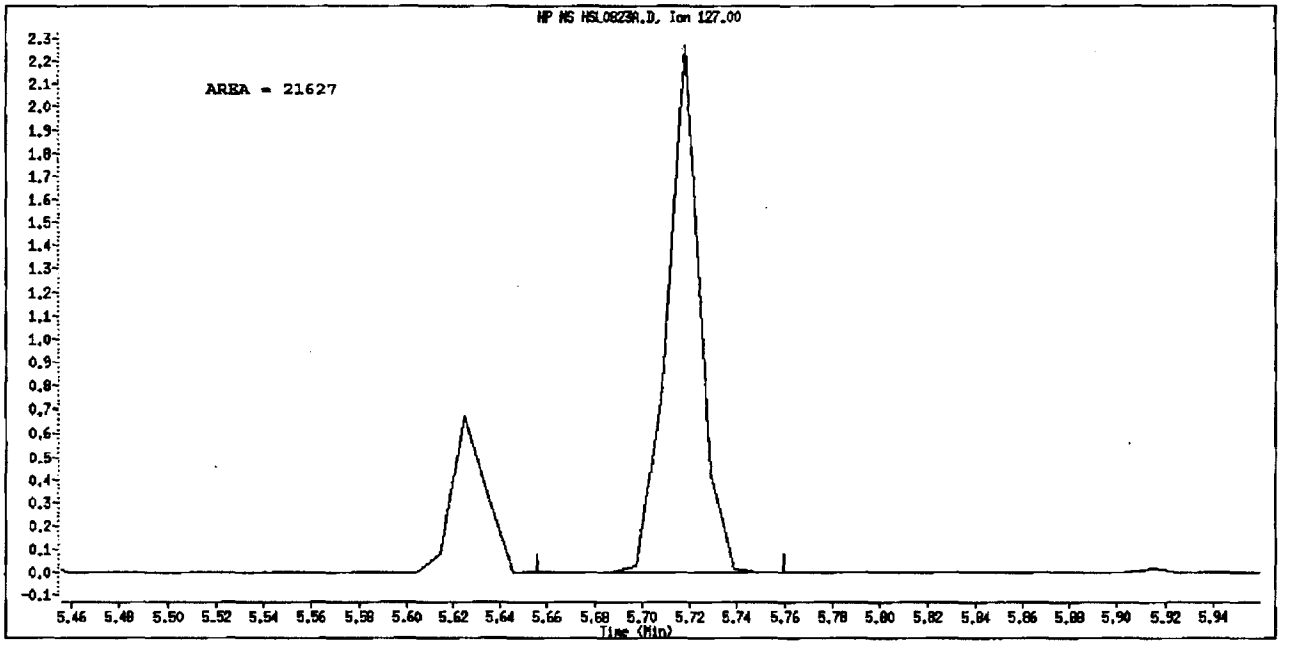
Manual Integration

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: 4-Chloroaniline
CAS #: 106-47-8
Report Date: 08/24/2010



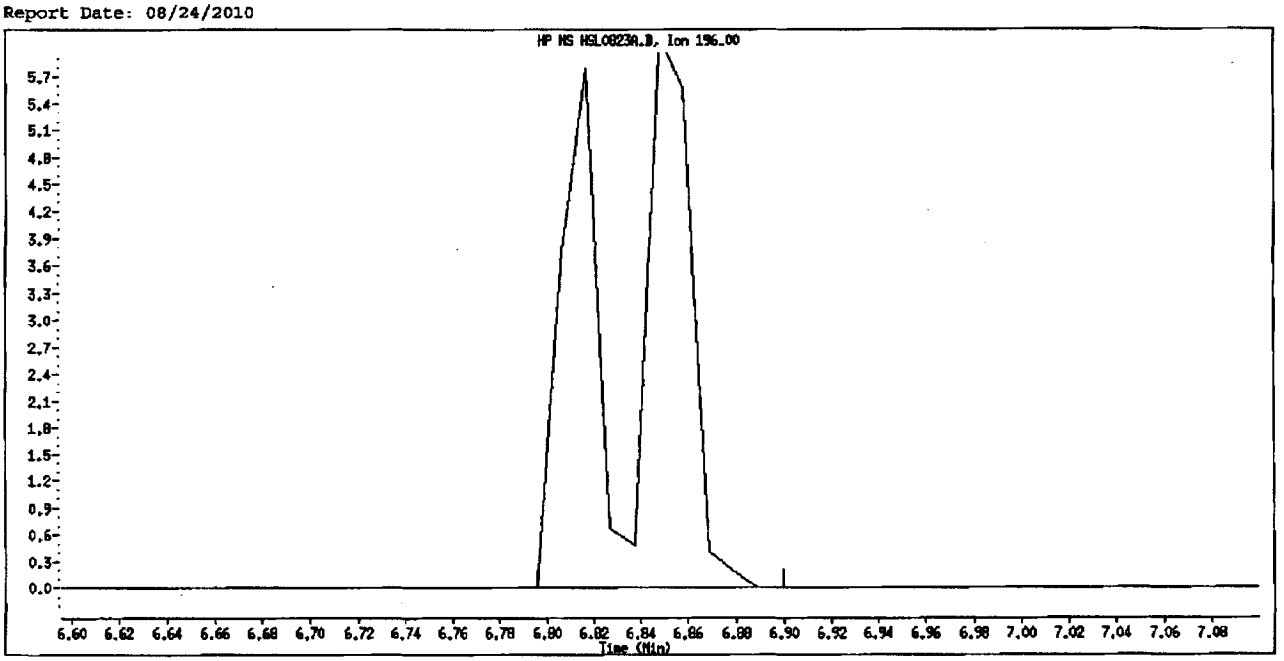
Original Integration



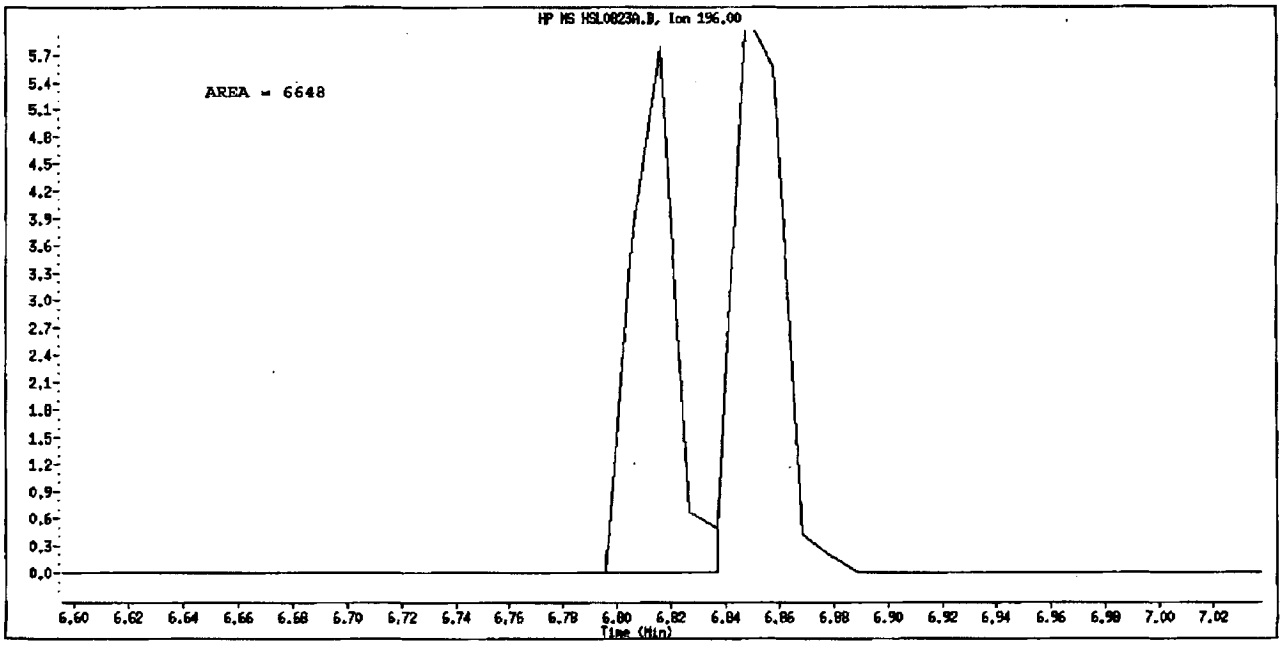
Manual Integration

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: 2,4,6-Trichlorophenol
CAS #: 88-06-2
Report Date: 08/24/2010



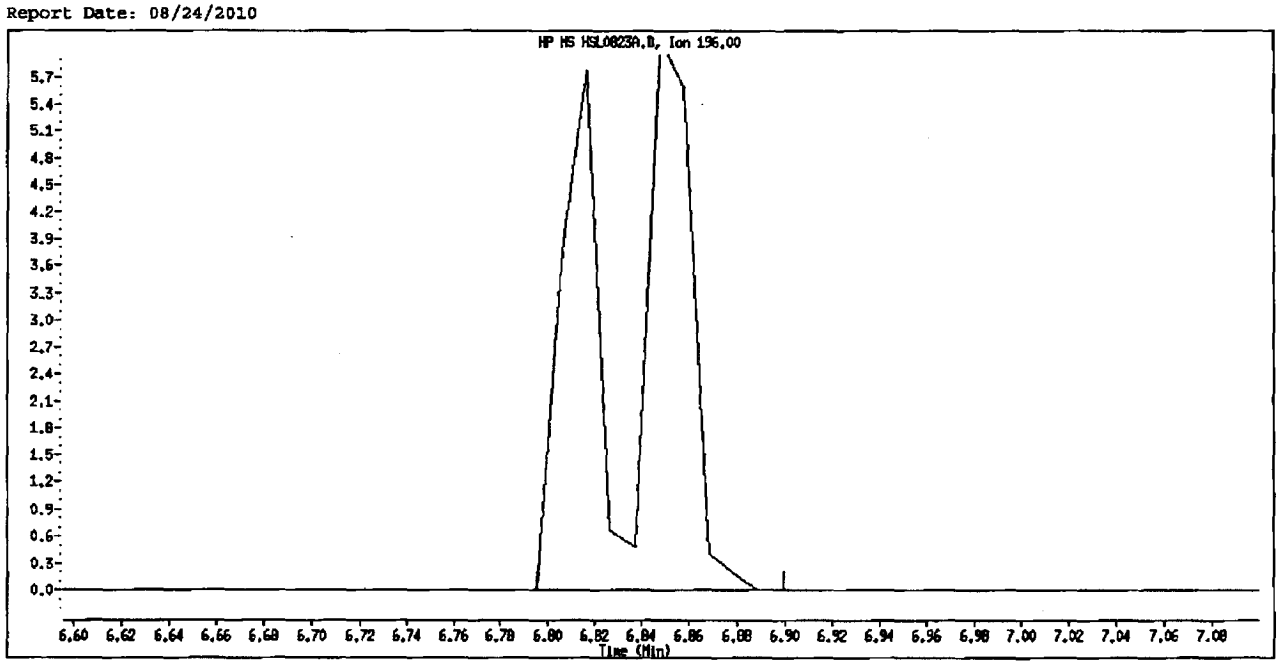
Original Integration



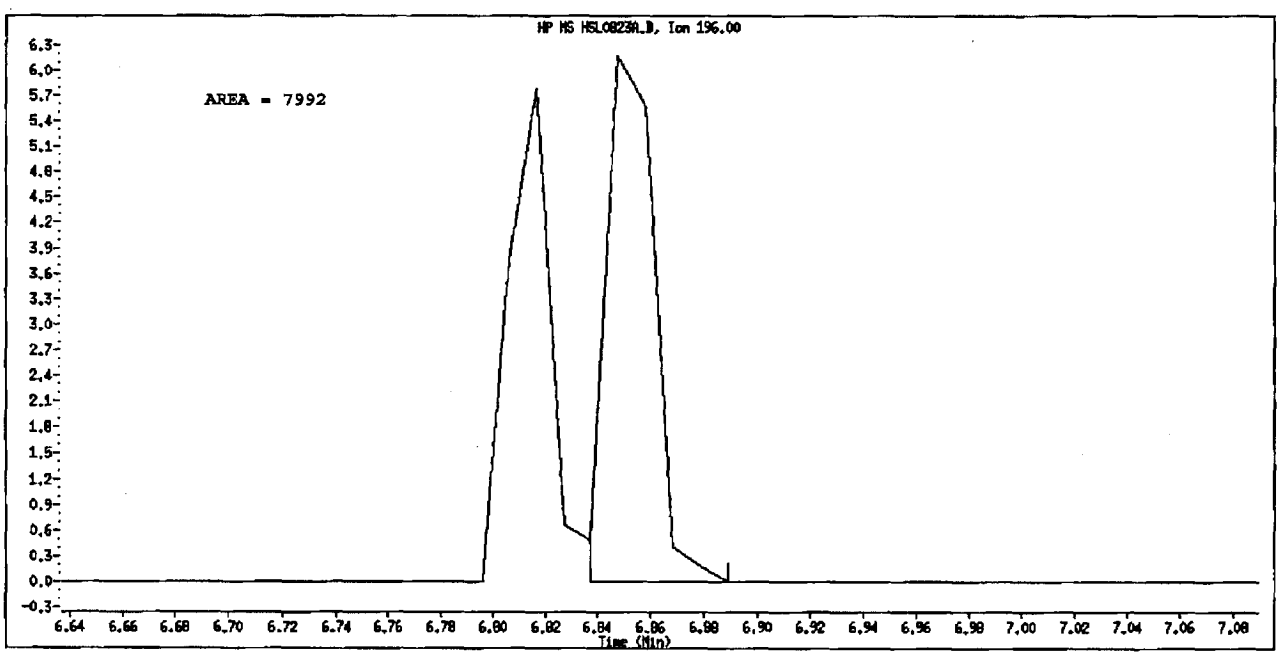
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

Data File Name: HSL0823A.D
Inj. Date and Time: 23-AUG-2010 16:40
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorphenol
CAS #: 95-95-4
Report Date: 08/24/2010



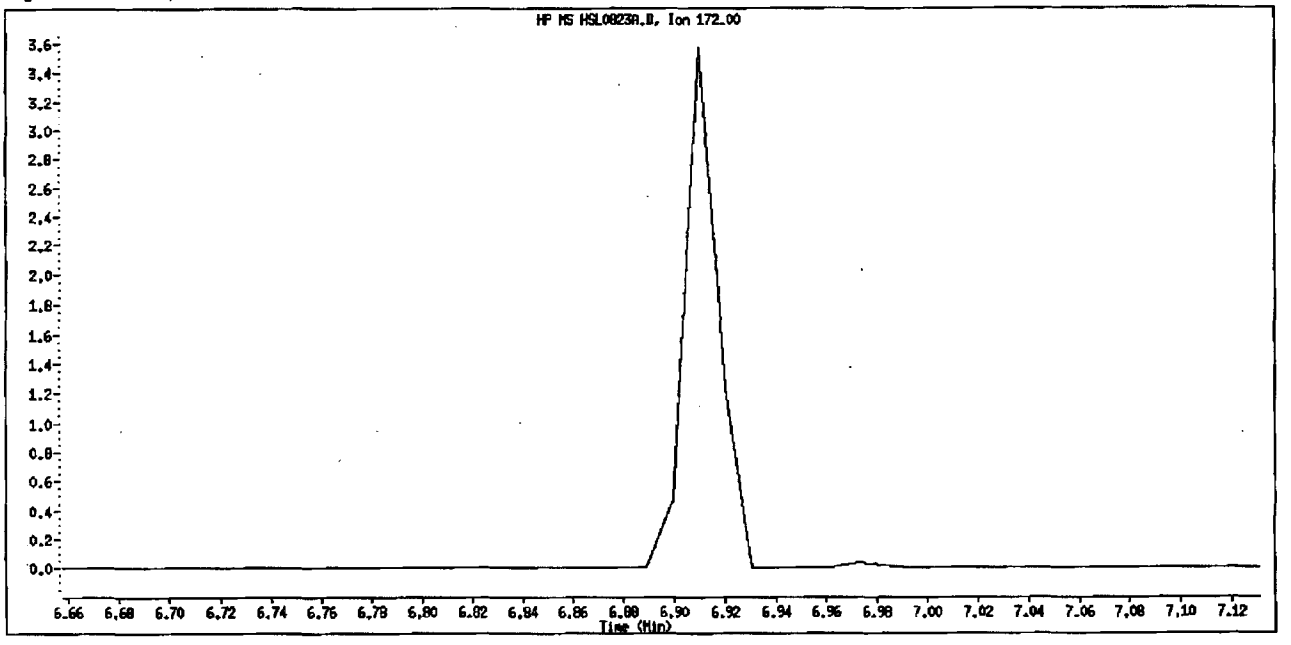
Original Integration



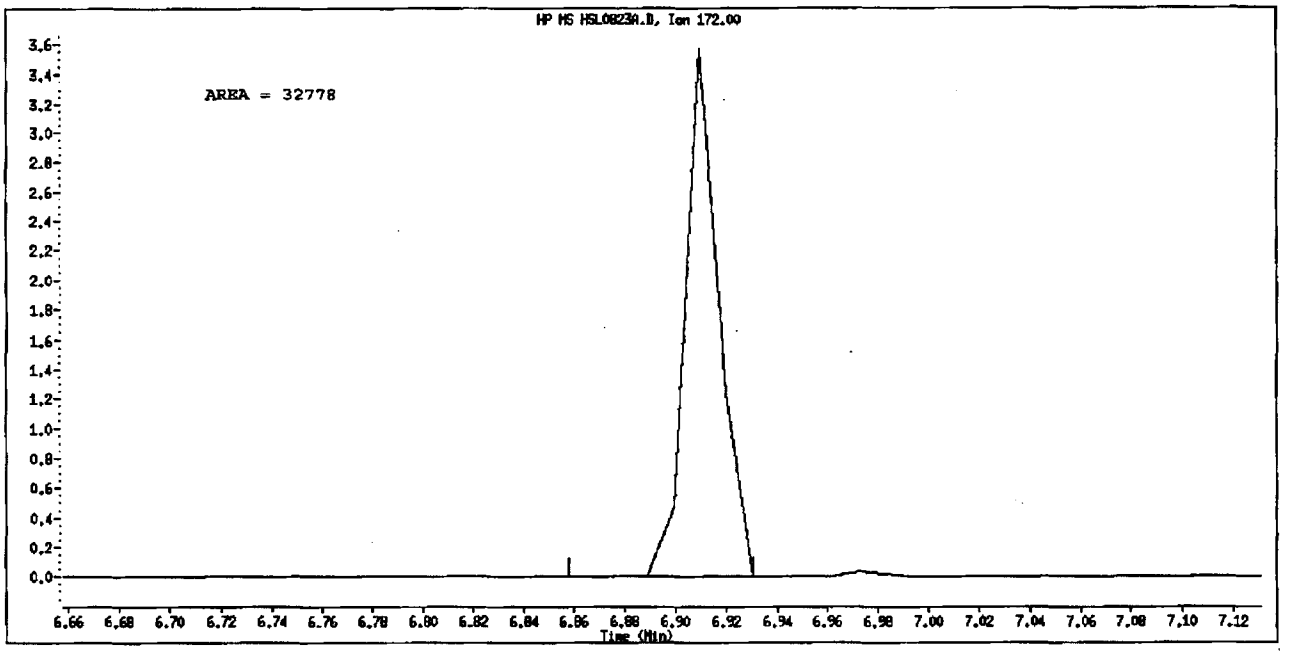
Manual Integration

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



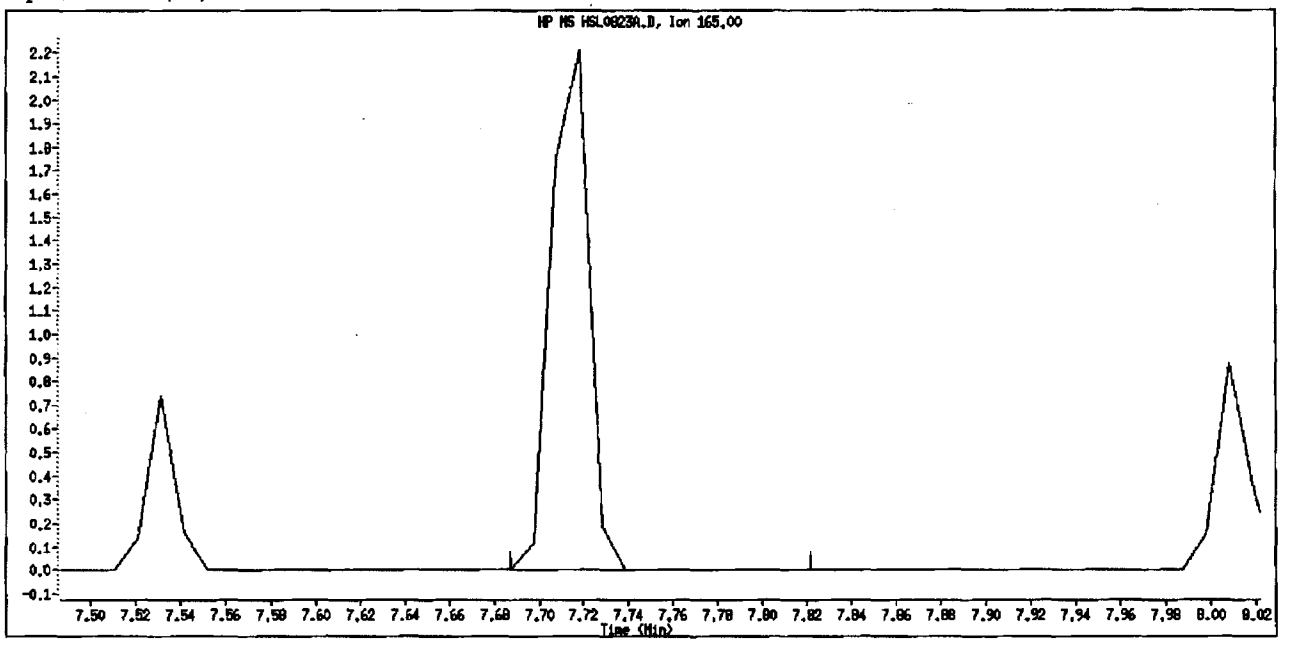
Original Integration



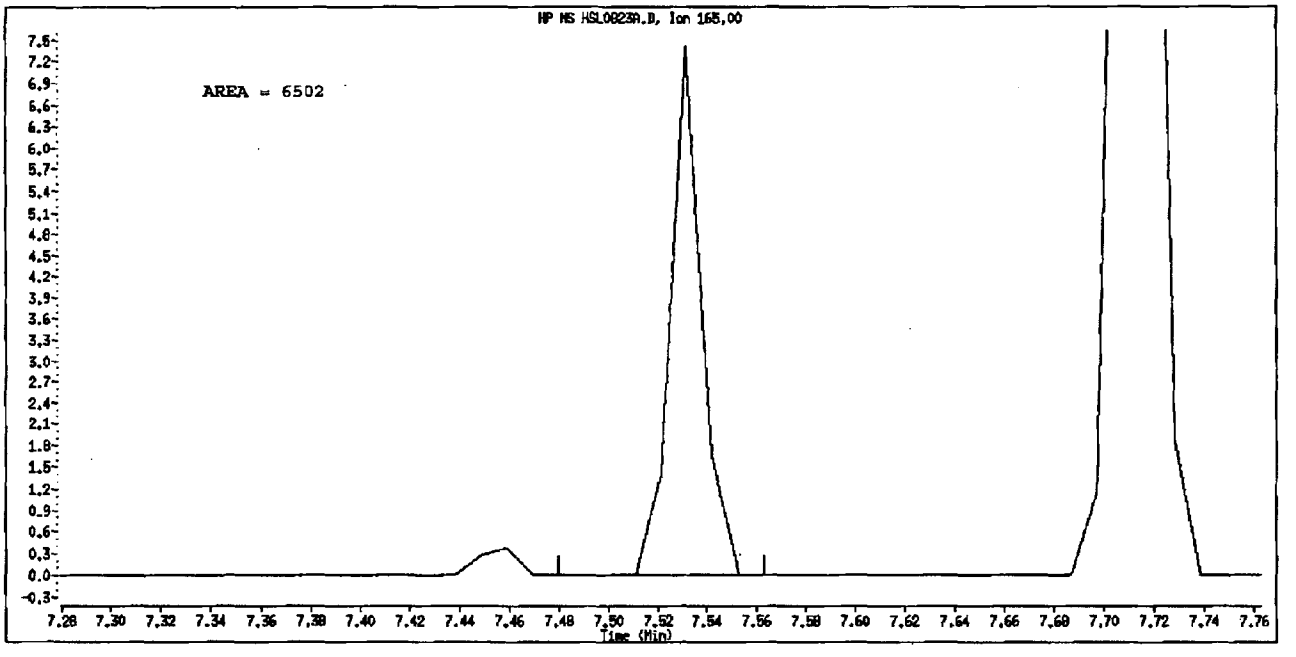
Manual Integration

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

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



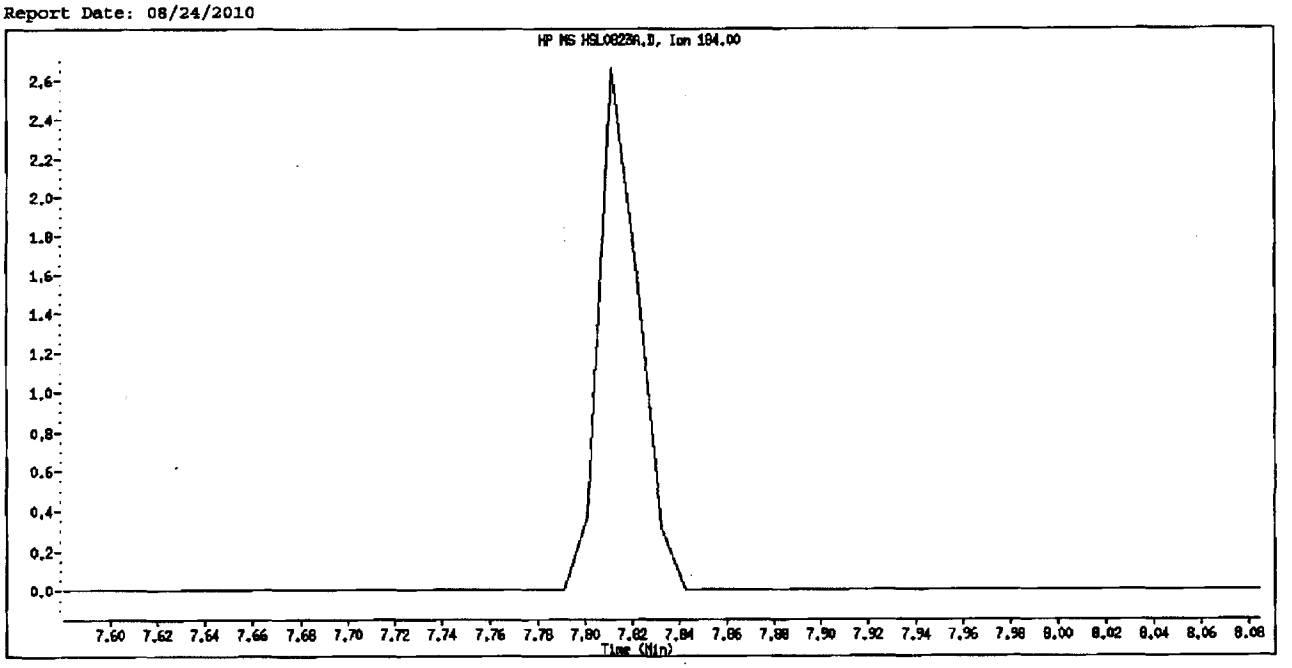
Original Integration



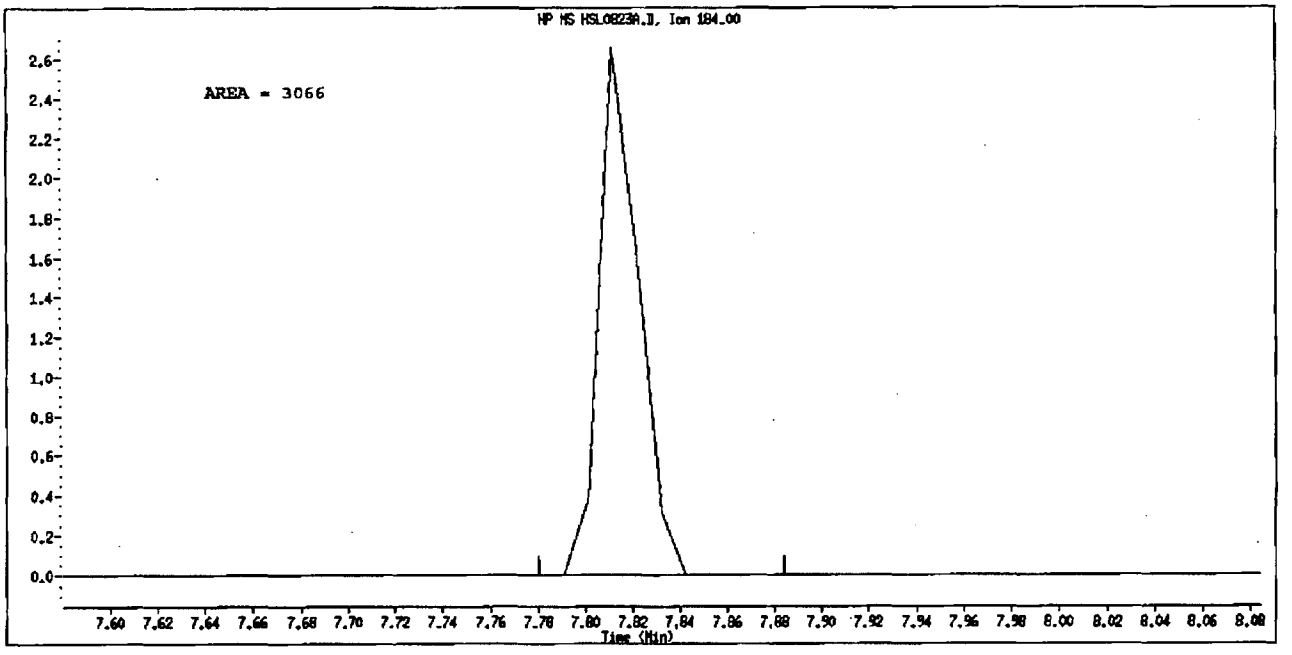
Manual Integration

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



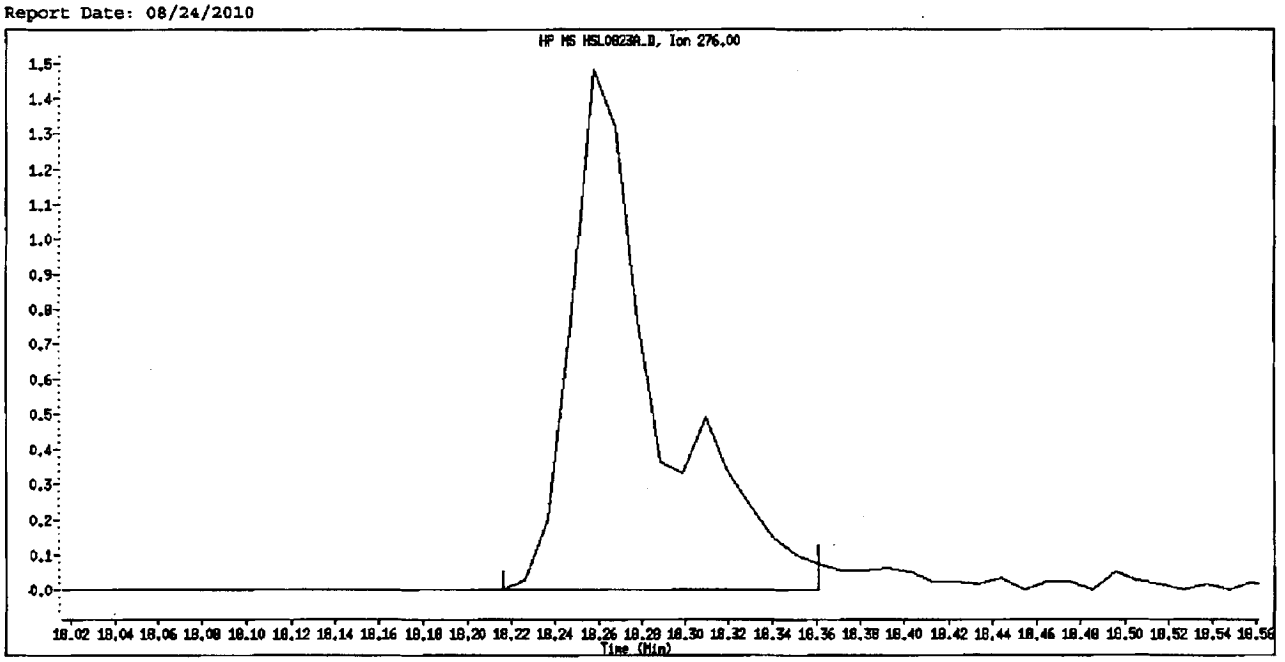
Original Integration



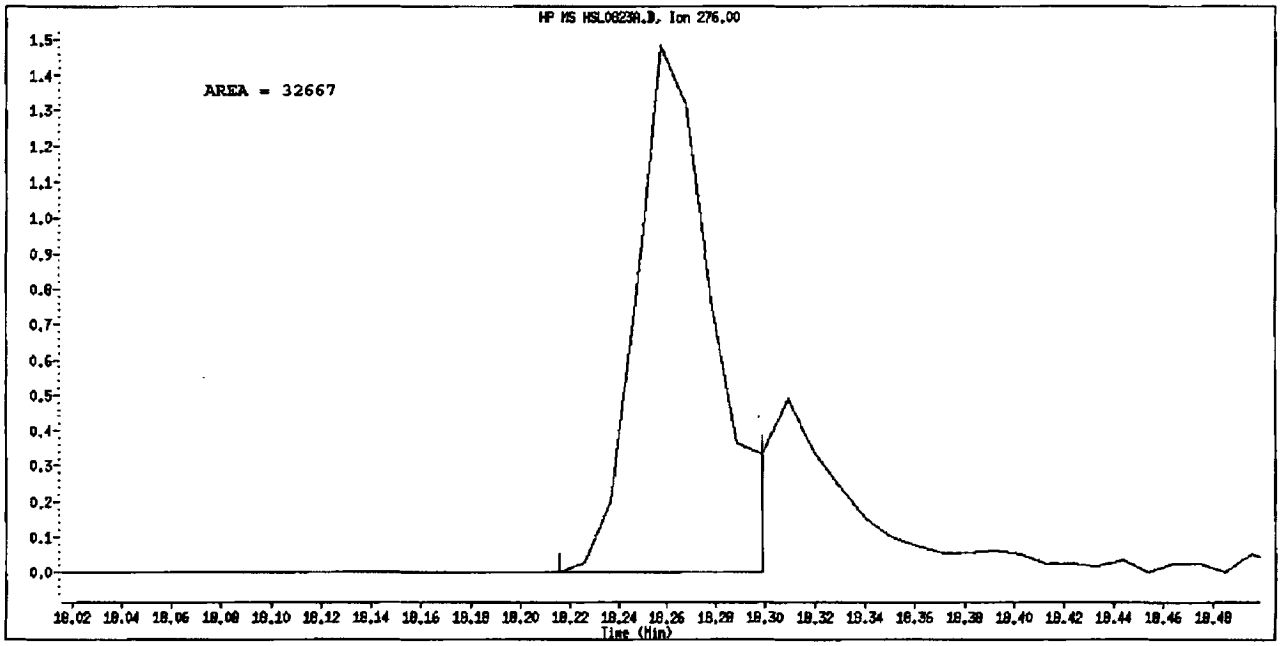
Manual Integration

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

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



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	91148	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	397203	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	207096	40.0000	
* 4	Phenanthrene-d10	188	9.697	9.697	(1.000)	320757	40.0000	
* 5	Chrysene-d12	240	14.122	14.122	(1.000)	307293	40.0000	
* 6	Perylene-d12	264	16.516	16.516	(1.000)	324529	40.0000	
$ 7	2-Fluorophenol	112	2.961	2.961	(0.708)	15987	5.00000	4.743
$ 8	Phenol-d5	99	3.821	3.821	(0.913)	20363	5.00000	4.716
$ 9	2-Chlorophenol-d4	132	3.977	3.977	(0.950)	17625	5.00000	4.840
$ 10	1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	11545	5.00000	5.095
$ 11	Nitrobenzene-d5	82	Compound Not Detected.					
$ 12	2-Fluorobiphenyl	172	Compound Not Detected.					
$ 13	2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	3453	5.00000	4.262
$ 14	Terphenyl-d14	244	12.340	12.340	(0.874)	29315	5.00000	4.930
15	N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	11039	5.00000	4.758
16	Pyridine	79	1.966	1.966	(0.470)	19854	5.00000	5.165
23	Aniline	93	3.883	3.883	(0.928)	25614	5.00000	4.738
24	Phenol	94	3.831	3.831	(0.916)	21490	5.00000	4.729
26	Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	16784	5.00000	4.829
27	2-Chlorophenol	128	3.997	3.997	(0.955)	17412	5.00000	4.836
28	1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	19814	5.00000	4.988
29	1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	18980	5.00000	4.716
30	Benzyl Alcohol	108	4.339	4.339	(1.037)	11898	5.00000	4.817
31	1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	19252	5.00000	5.066
32	2-Methylphenol	108	4.474	4.474	(1.069)	15756	5.00000	4.644
33	2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	32447	5.00000	4.900
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)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	18999	5.00000	4.768
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	12803	5.00000	4.932
50	Benzoic Acid	122	5.282	5.282	(0.943)	8004	5.00000	6.346
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	14409	5.00000	5.127
52	Naphthalene	128	5.624	5.624	(1.004)	57827	5.00000	5.204
54	4-Chloroaniline	127	5.624	5.624	(1.004)	6587	5.00000	1.882
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	6814	5.00000	5.116
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	14034	5.00000	4.652
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	32784	5.00000	4.858
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	7599	5.00000	4.789
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	14320	5.00000	8.043
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	14320	5.00000	7.609
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	29428	5.00000	5.095
73	2-Nitroaniline	65	7.179	7.179	(0.930)	9276	5.00000	4.700
76	Dimethylphthalate	163	7.459	7.459	(0.966)	32438	5.00000	4.851
77	Acenaphthylene	152	7.521	7.521	(0.974)	47334	5.00000	4.669
79	2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	26534	5.00000	12.83
80	3-Nitroaniline	138	7.687	7.687	(0.996)	9193	5.00000	4.636
81	Acenaphthene	153	7.749	7.749	(1.004)	31423	5.00000	4.868
82	2,4-Dinitrophenol	184	Compound Not Detected.					
83	Dibenzofuran	168	7.946	7.946	(1.030)	42649	5.00000	5.006
84	4-Nitrophenol	109	7.894	7.894	(1.023)	3822	5.00000	4.320
86	2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	8655	5.00000	5.933
91	Fluorene	166	8.391	8.391	(1.087)	33483	5.00000	4.794
92	Diethylphthalate	149	8.350	8.350	(1.082)	36351	5.00000	5.186
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	14593	5.00000	5.089
94	4-Nitroaniline	138	8.464	8.464	(1.097)	8698	5.00000	4.440
97	4,6-Dinitro-2-methylphenol	198	8.526	8.526	(0.879)	3873	5.00000	6.074
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	29759	5.86000	5.926
100	Azobenzene	77	8.609	8.609	(0.888)	34137	5.00000	4.818
101	4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	7284	5.00000	4.733
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	8191	5.00000	4.924
110	Pentachlorophenol	266	9.521	9.521	(0.982)	4282	5.00000	4.156
114	Phenanthrene	178	9.728	9.728	(1.003)	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.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	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

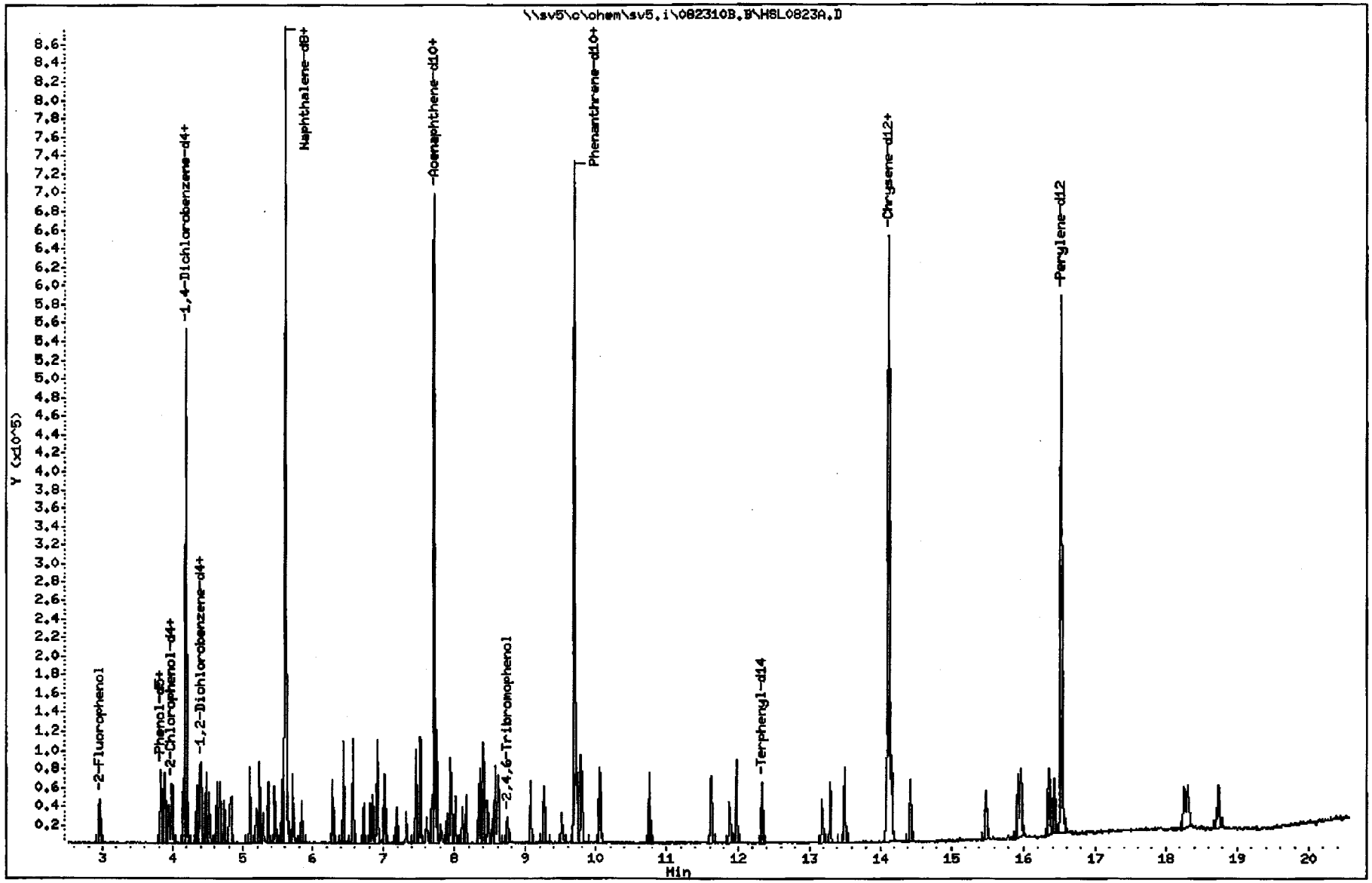
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.12	-0.07
6 Perylene-d12	16.53	16.03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

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

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

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

Column phase:



TestAmerica WestSacramento

Method 8270C

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	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

SK 8/24/10

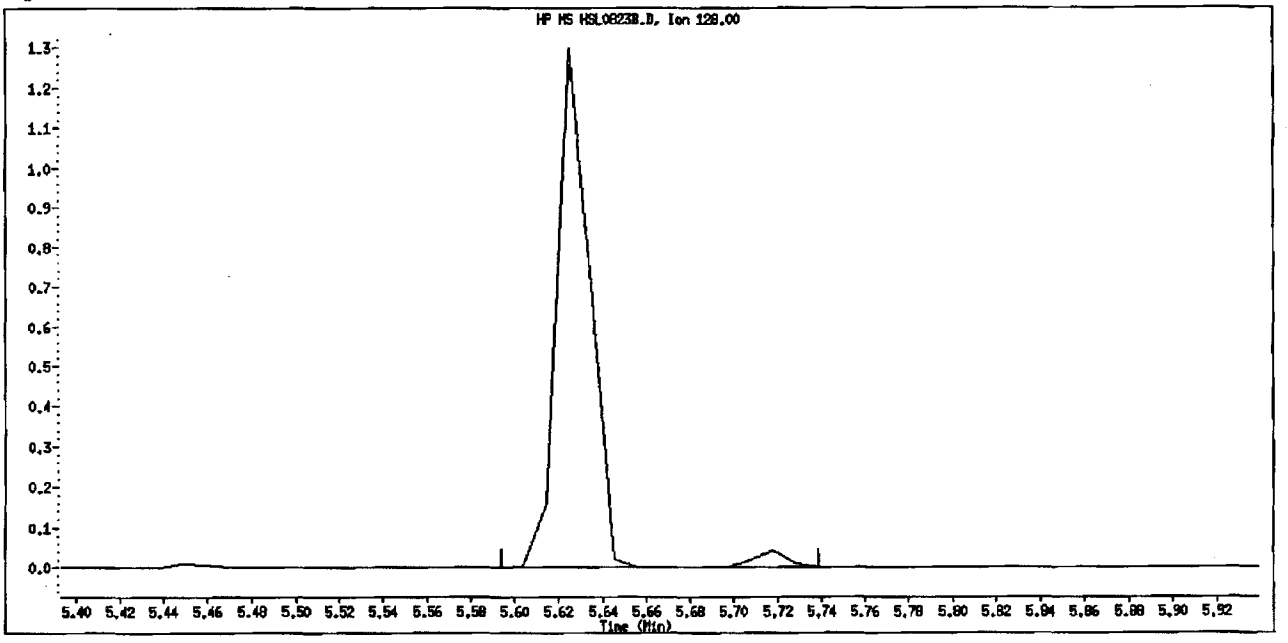
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	49723	10.0000	10.31
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	30918	10.0000	9.987
50	Benzoic Acid	122	5.293	5.293	(0.945)	21115	10.0000	12.61
51	1,2,4-Trichlorobenzene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

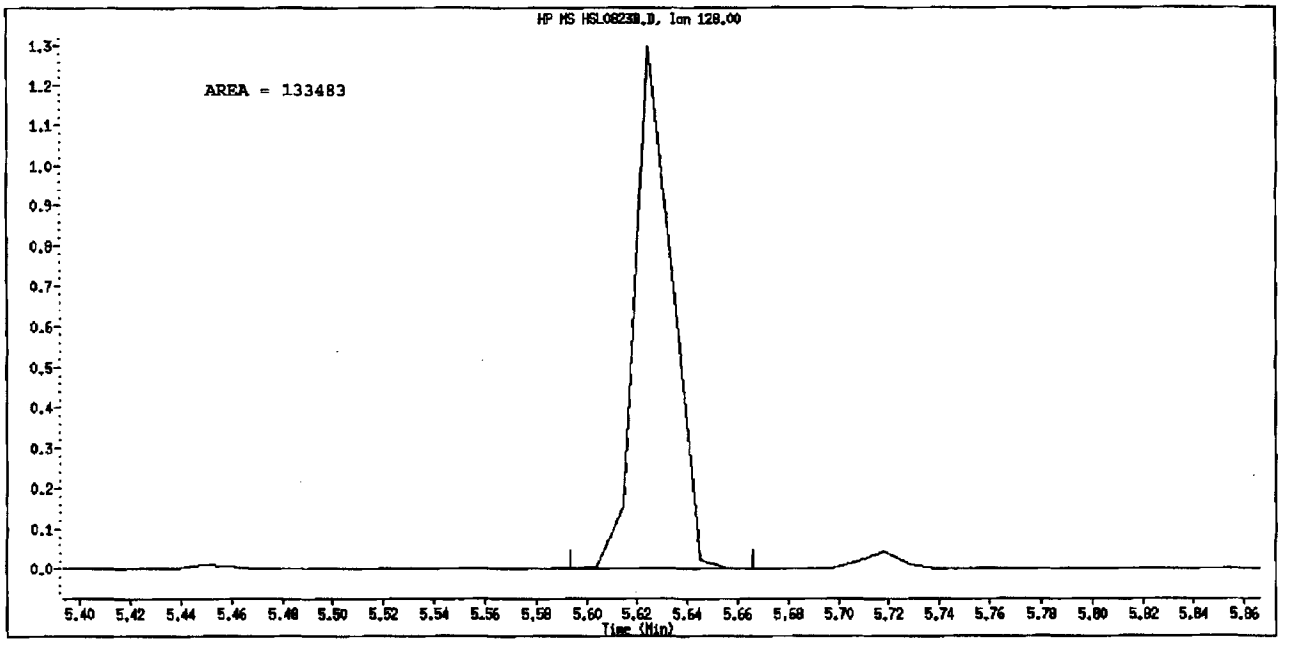
QC Flag Legend

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



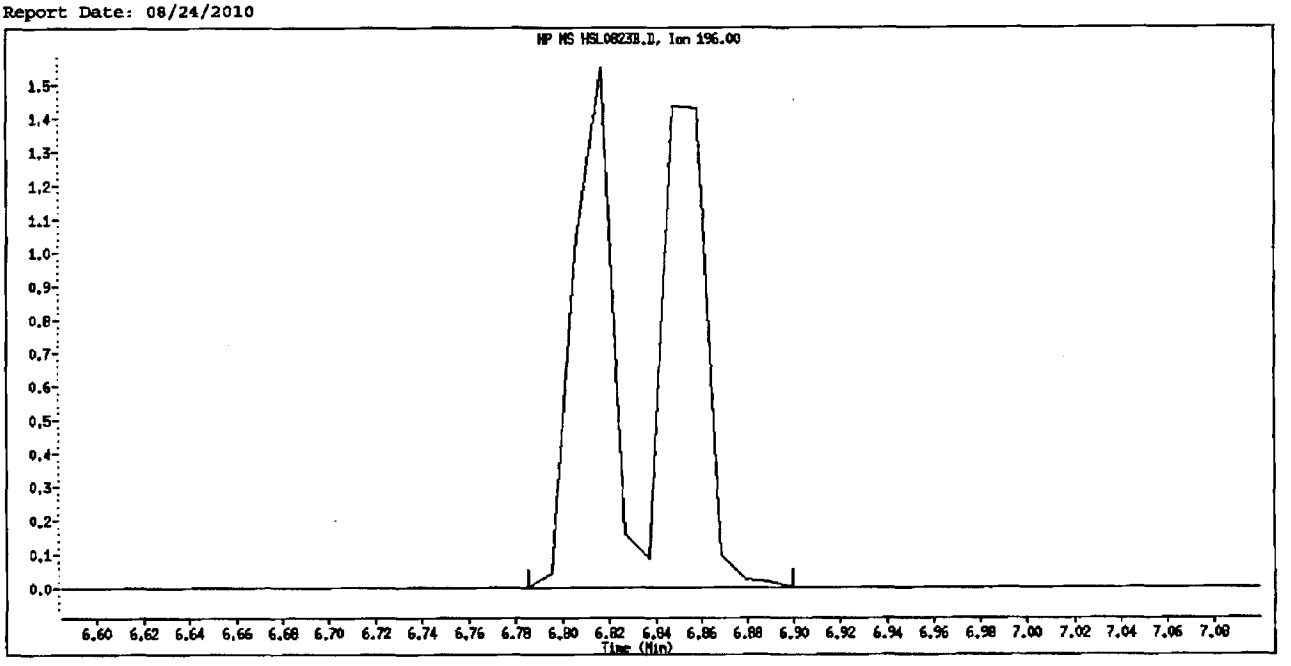
Original Integration



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



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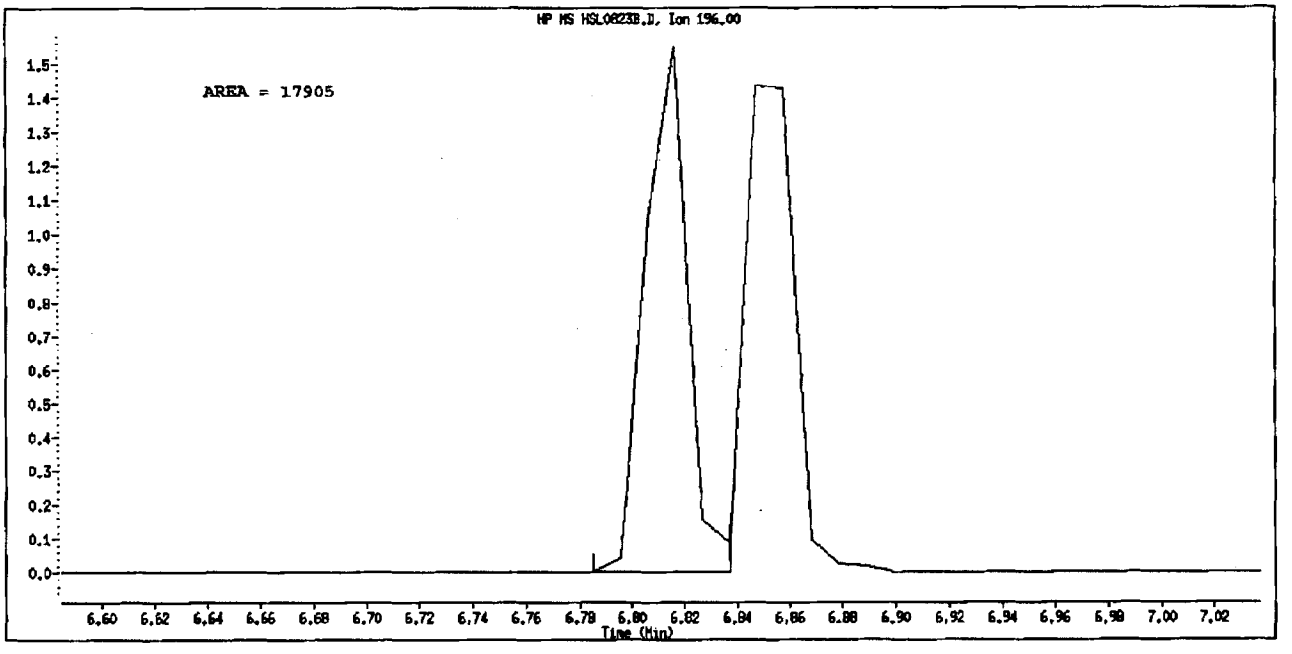
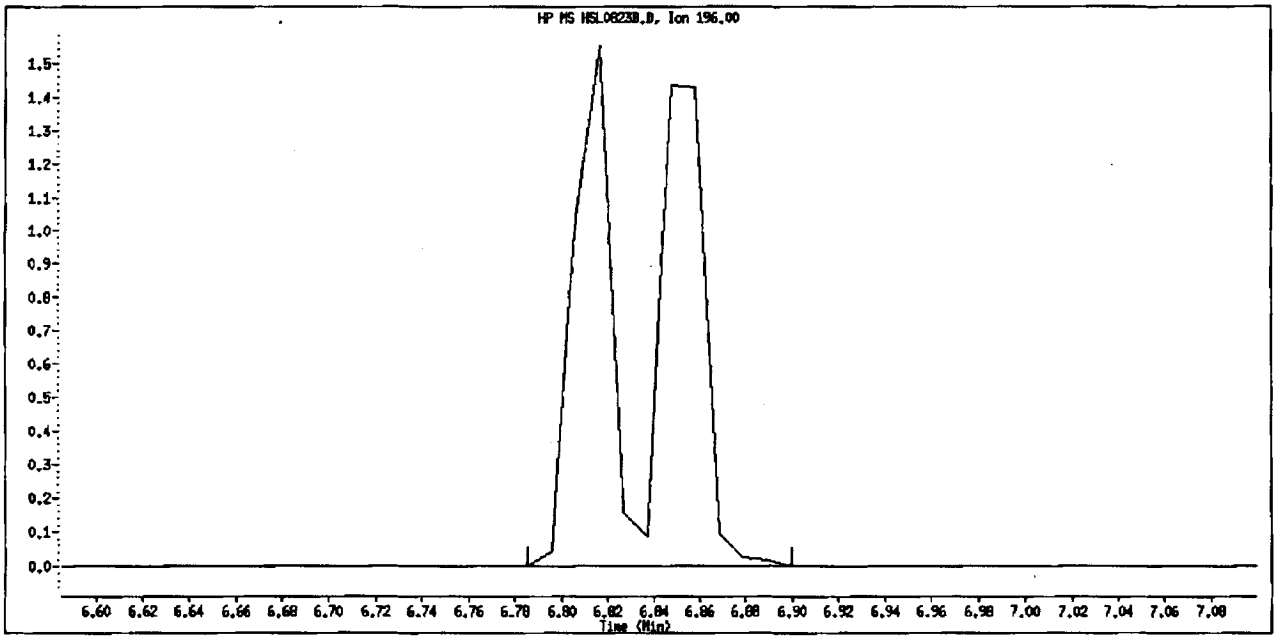


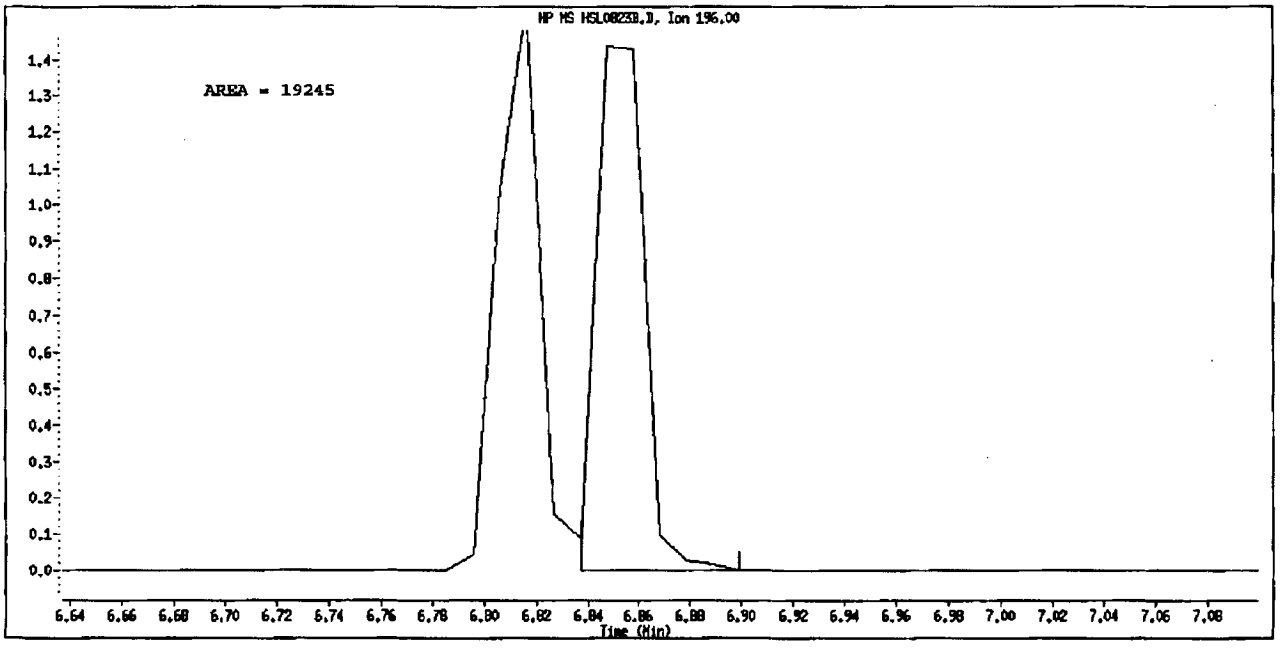
Manual Integration

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



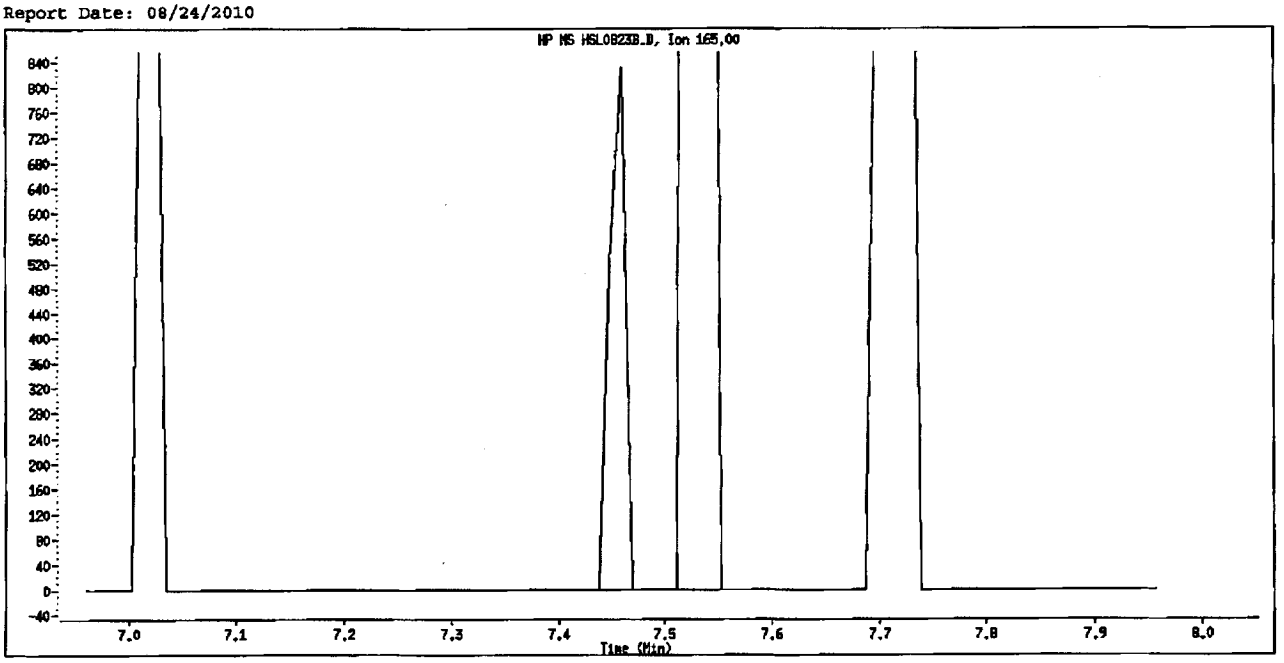
Original Integration



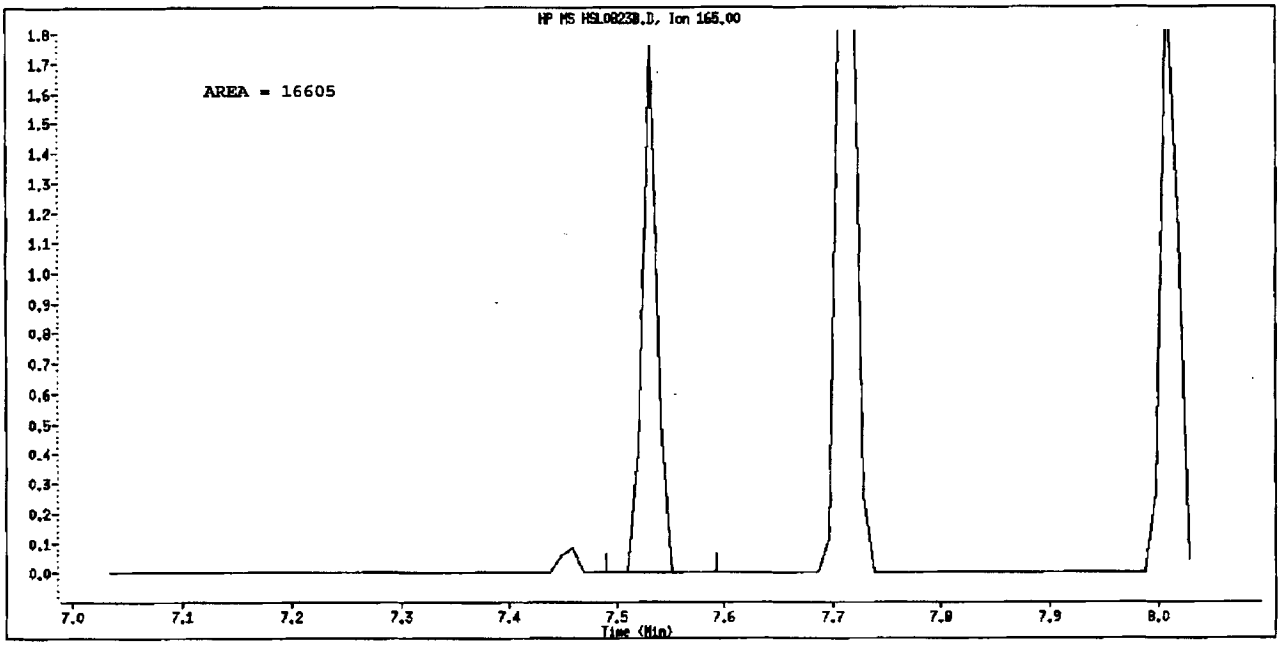
Manual Integration

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



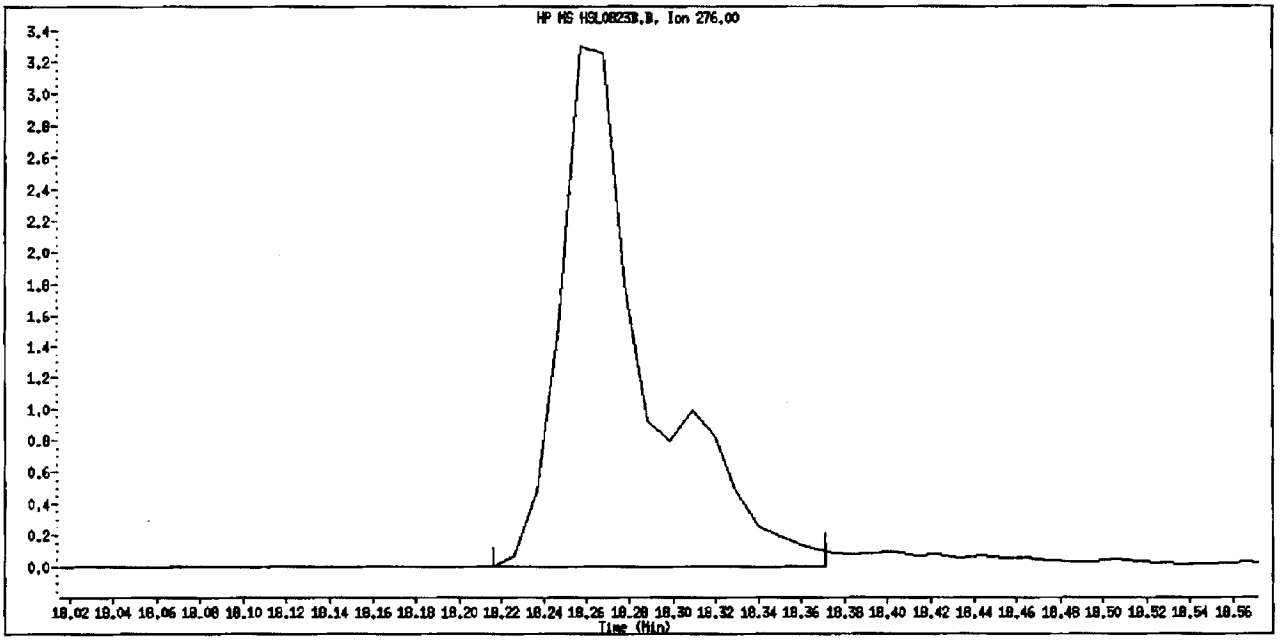
Original Integration



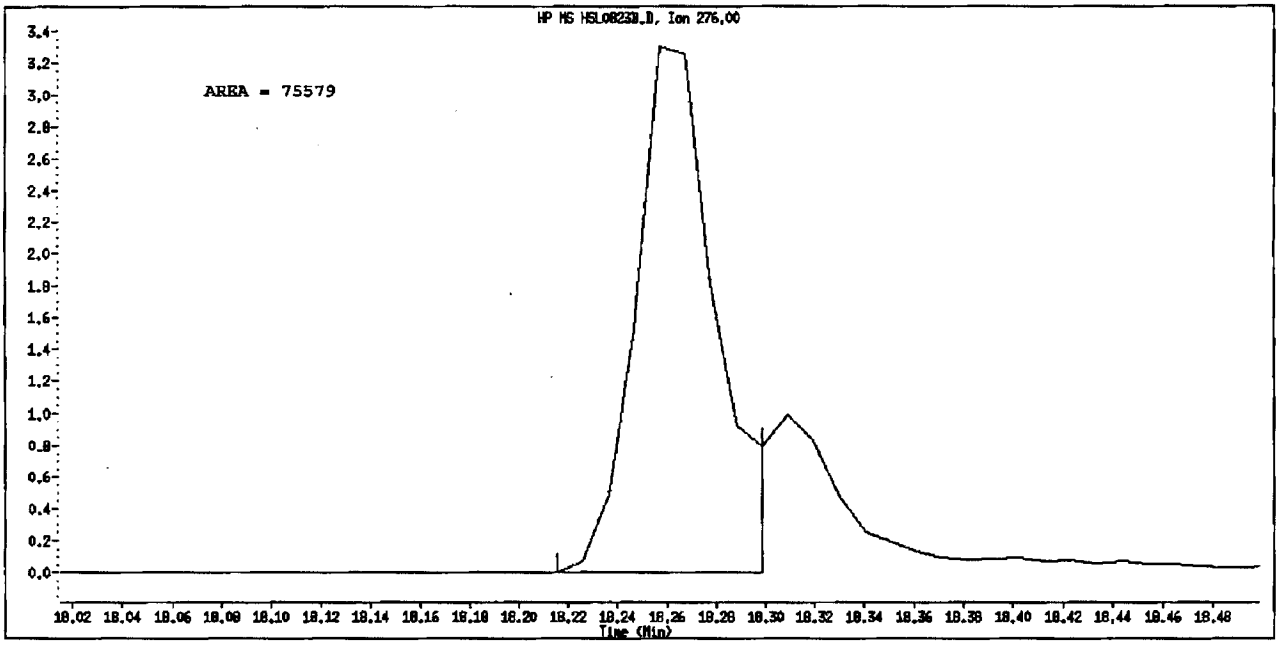
Manual Integration

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.

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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.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT 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

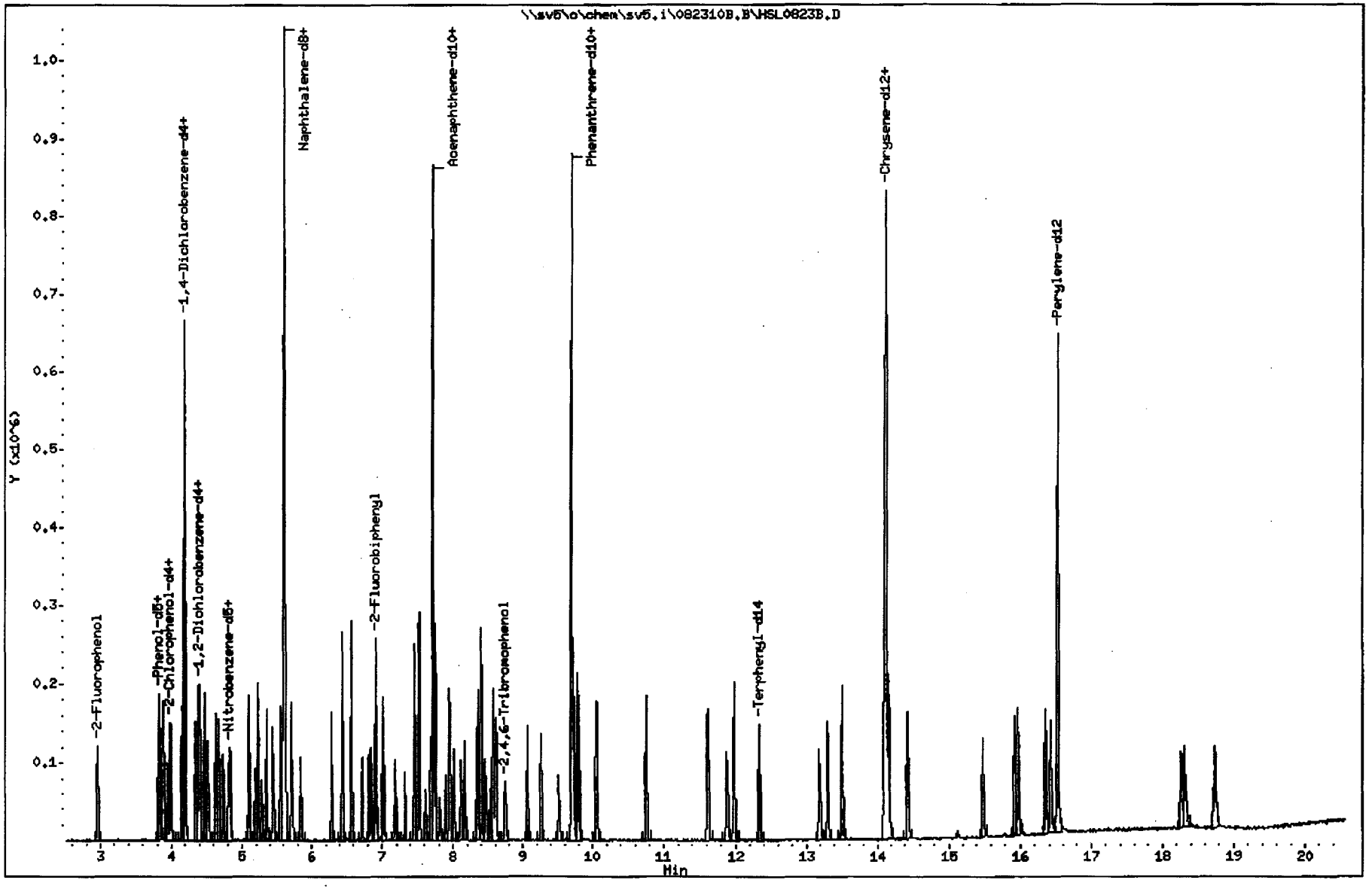
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	-0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	-0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	-0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	-0.00
5 Chrysene-d12	14.13	13.63	14.63	14.12	-0.07
6 Perylene-d12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

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

Data File: \\sv5\o\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

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\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	

SMS 8/24/10

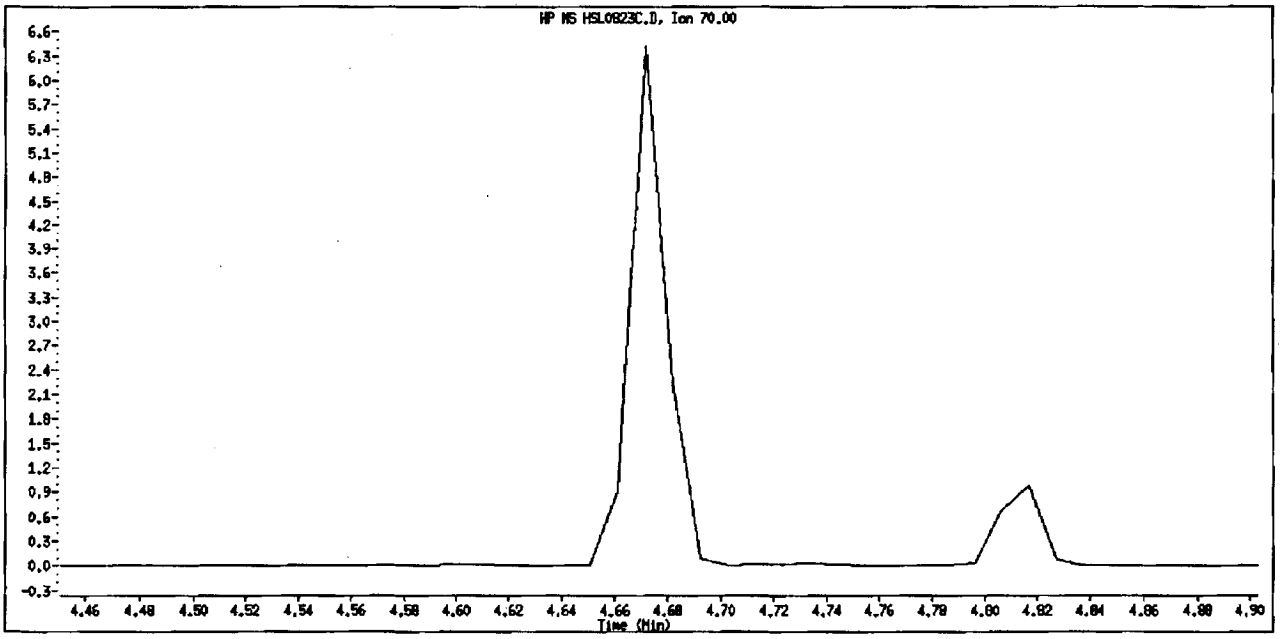
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	101820	20.0000	19.97
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	63764	20.0000	19.48
50	Benzoic Acid	122	5.303	5.303	(0.946)	46083	20.0000	22.03
51	1,2,4-Trichlorobenzene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

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

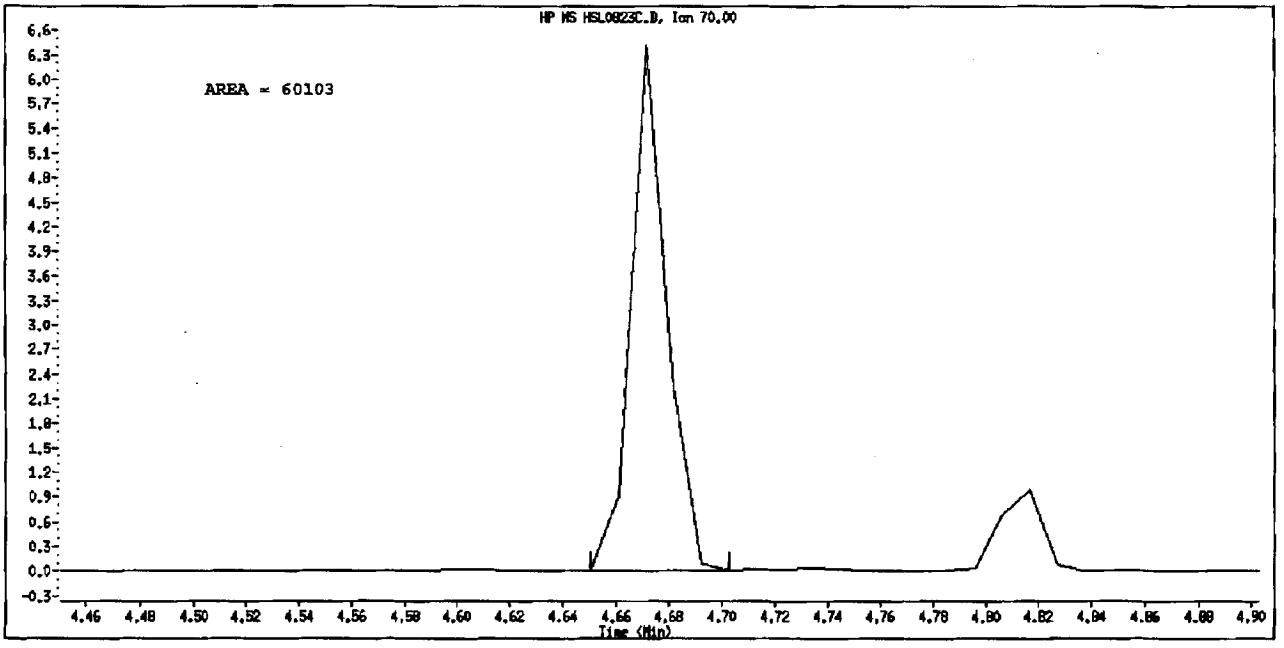
QC Flag Legend

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

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



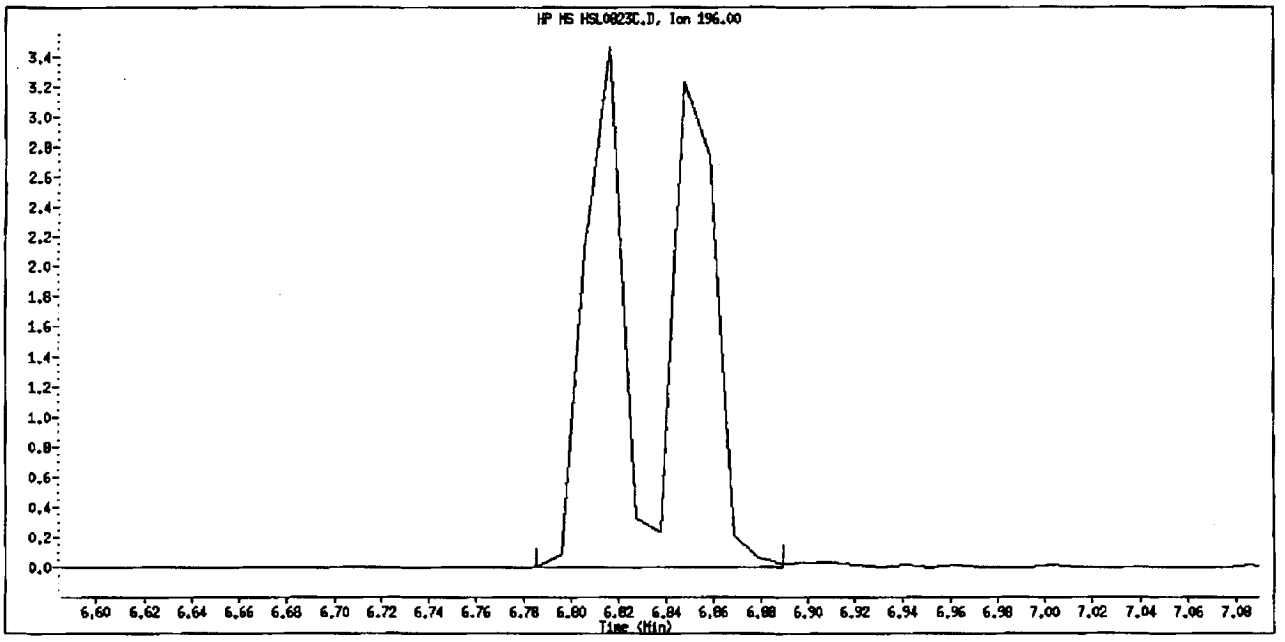
Original Integration



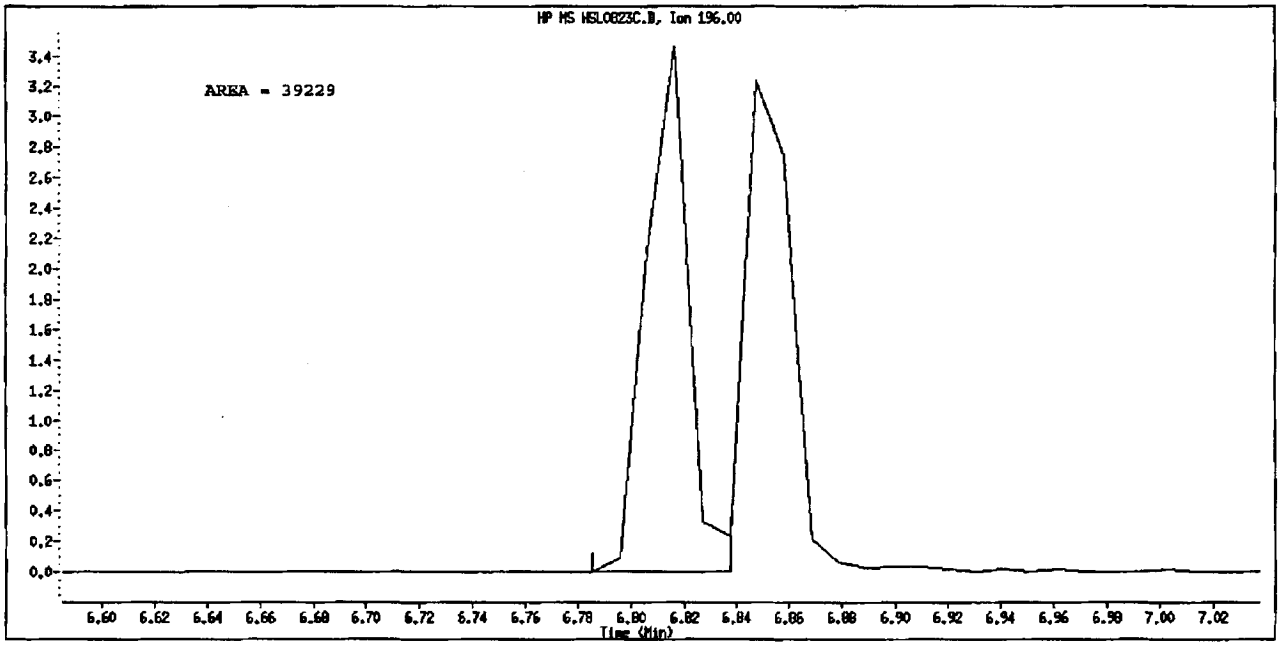
Manual Integration

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

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



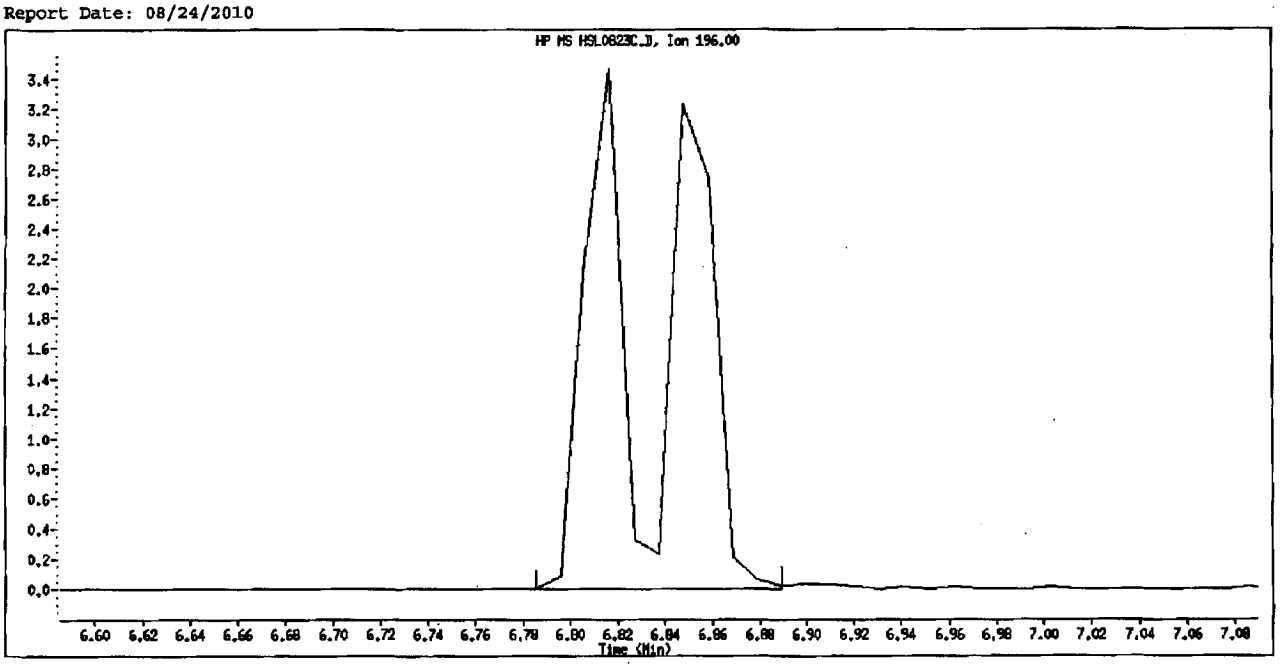
Original Integration



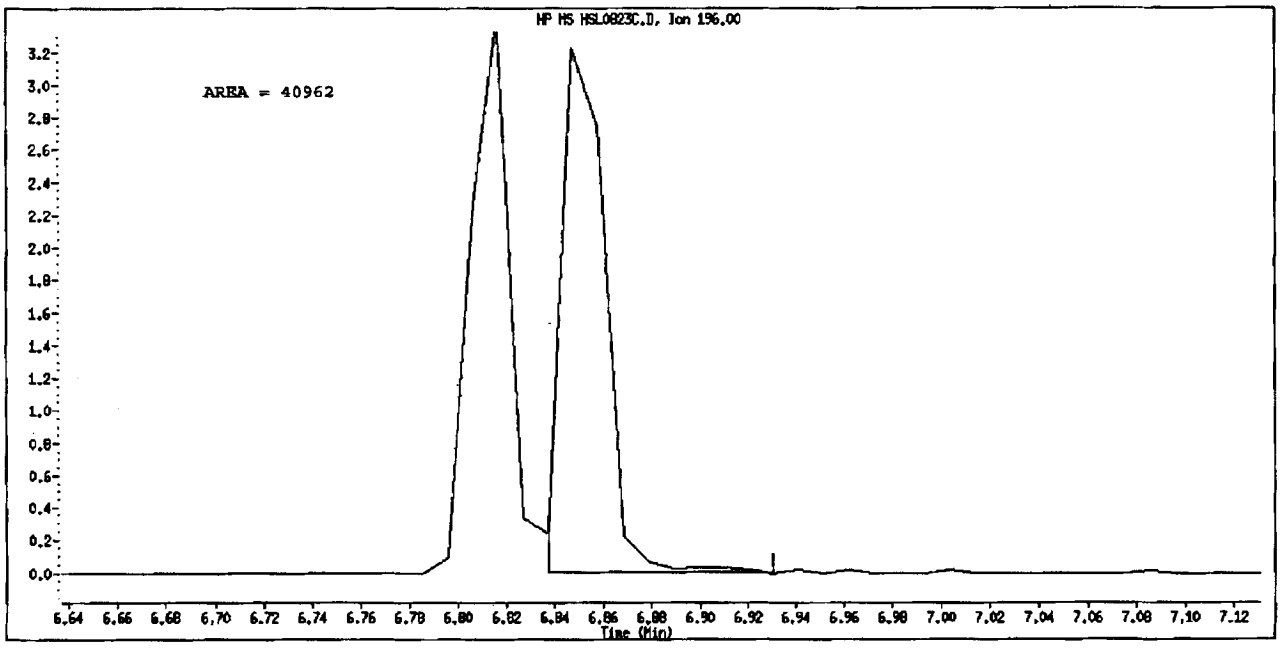
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

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



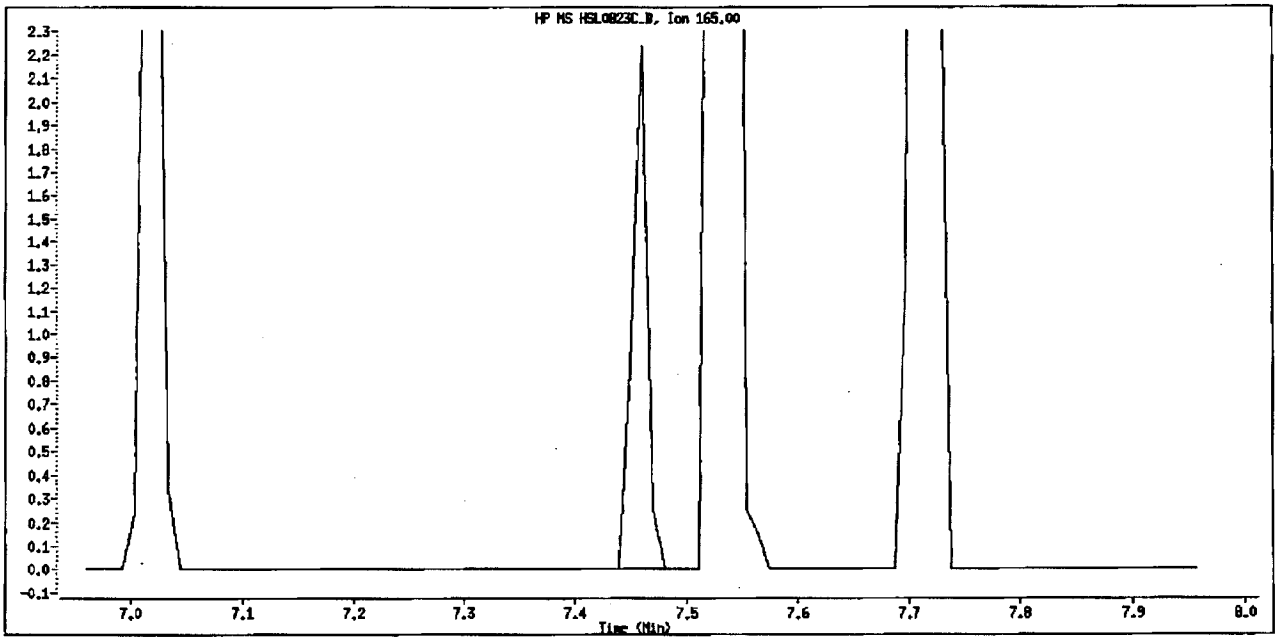
Original Integration



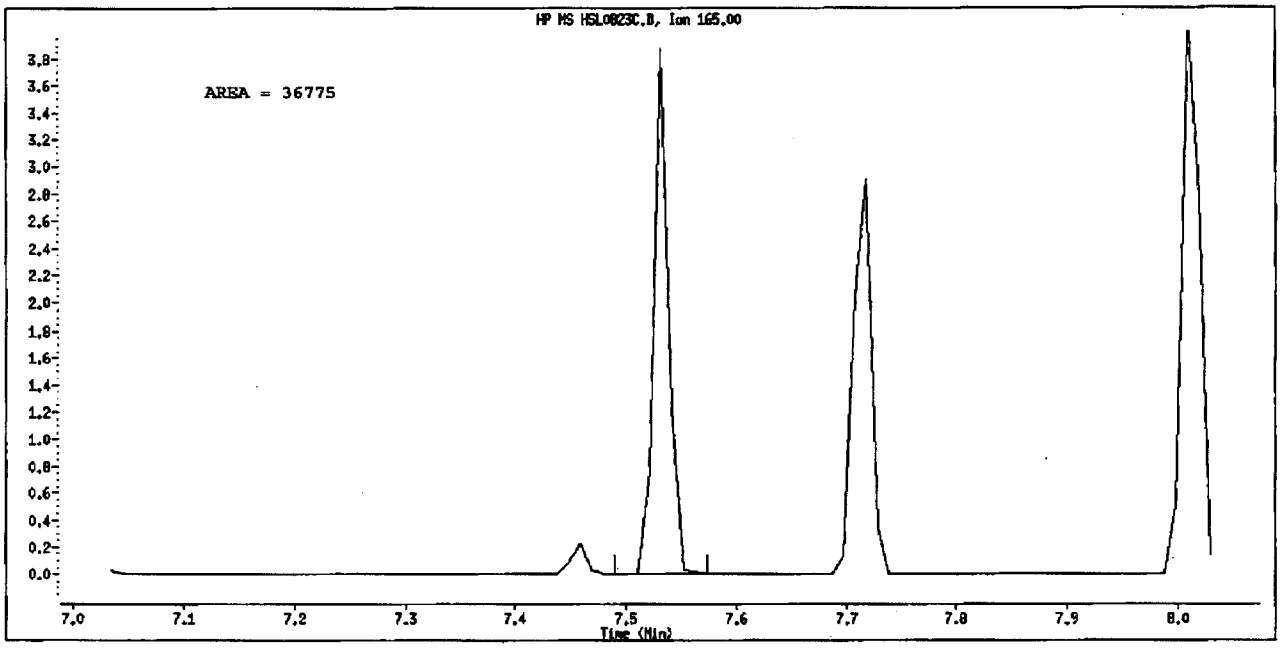
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

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



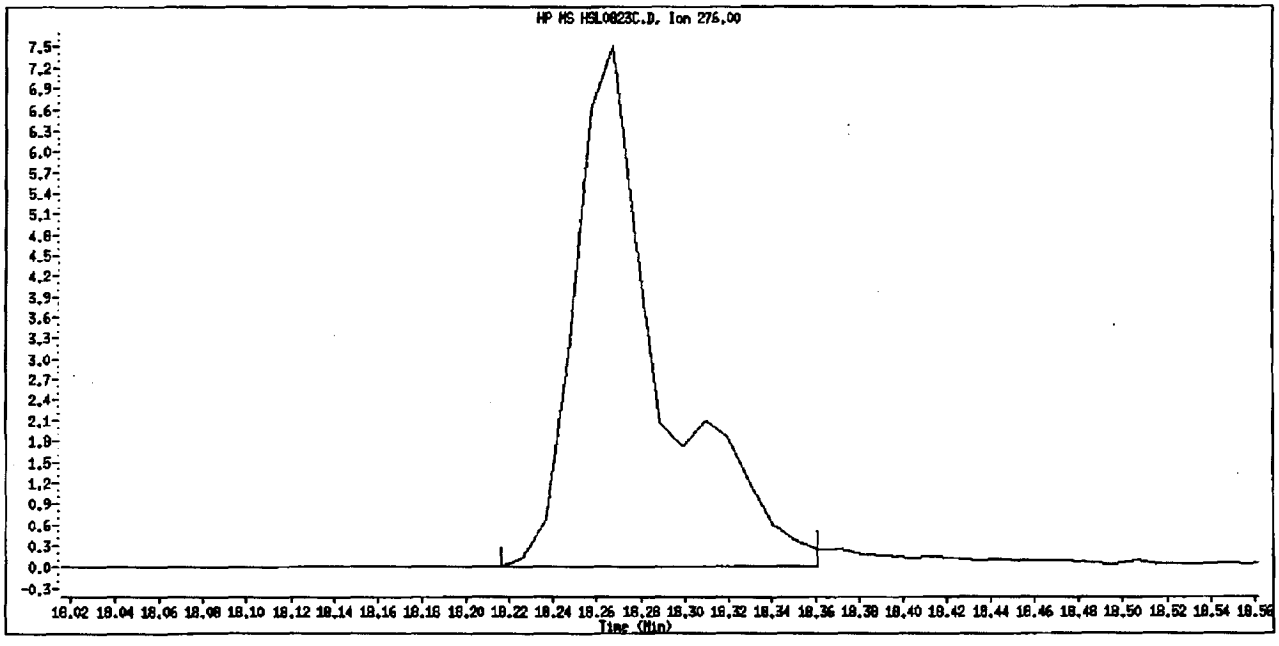
Original Integration



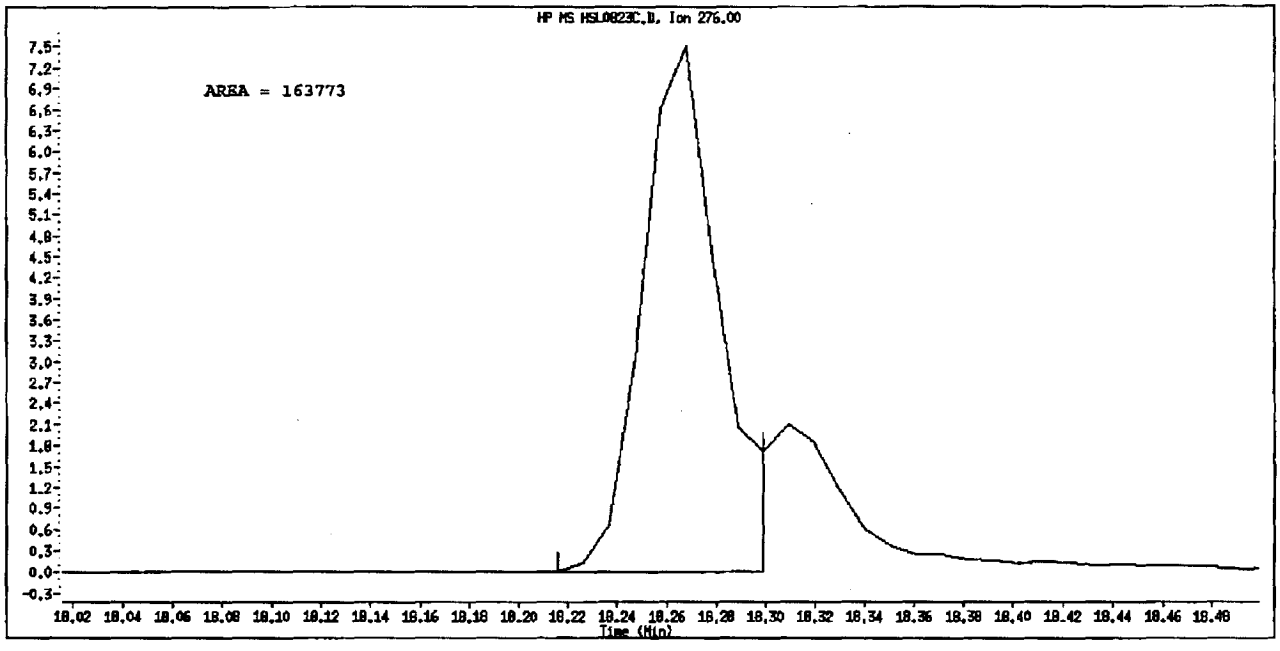
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: ~~Unknown~~ Wrong Peak. AY 8/29/2

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	5.449	5.448	(0.972)	63764	20.0000	19.30
50	Benzoic Acid	122	5.303	5.303	(0.946)	46083	20.0000	19.12
51	1,2,4-Trichlorobenzene	180	5.562	5.562	(0.993)	70657	20.0000	19.75
52	Naphthalene	128	5.624	5.624	(1.004)	278775	20.0000	19.62
54	4-Chloroaniline	127	5.624	5.624	(1.004)	34814	20.0000	20.16
57	Hexachlorobutadiene	225	5.852	5.852	(1.044)	32522	20.0000	19.18
60	4-Chloro-3-Methylphenol	107	6.288	6.288	(1.122)	74197	20.0000	19.32
63	2-Methylnaphthalene	142	6.443	6.443	(1.150)	168501	20.0000	19.62
66	Hexachlorocyclopentadiene	237	6.723	6.723	(0.871)	38060	20.0000	18.82
69	2,4,6-Trichlorophenol	196	6.816	6.816	(0.883)	78199	20.0000	27.57
70	2,4,5-Trichlorphenol	196	6.816	6.816	(0.883)	78199	20.0000	27.35
71	2-Chloronaphthalene	162	7.023	7.023	(0.910)	144000	20.0000	19.56
73	2-Nitroaniline	65	7.189	7.189	(0.932)	47152	20.0000	18.74
76	Dimethylphthalate	163	7.459	7.459	(0.966)	167525	20.0000	19.65
77	Acenaphthylene	152	7.521	7.521	(0.974)	253914	20.0000	19.65
79	2,6-Dinitrotoluene	165	7.718	7.718	(1.000)	33608	20.0000	15.89
80	3-Nitroaniline	138	7.687	7.687	(0.996)	49049	20.0000	19.41
81	Acenaphthene	153	7.749	7.749	(1.004)	162598	20.0000	19.76
82	2,4-Dinitrophenol	184	7.811	7.811	(1.012)	19504	20.0000	19.68
83	Dibenzofuran	168	7.946	7.946	(1.030)	213749	20.0000	19.68
84	4-Nitrophenol	109	7.894	7.894	(1.023)	22106	20.0000	19.60
86	2,4-Dinitrotoluene	165	8.008	8.008	(1.038)	48451	20.0000	19.30
91	Fluorene	166	8.391	8.391	(1.087)	176789	20.0000	19.86
92	Diethylphthalate	149	8.350	8.350	(1.082)	171646	20.0000	19.21
93	4-Chlorophenyl-phenylether	204	8.412	8.412	(1.090)	71747	20.0000	19.63
94	4-Nitroaniline	138	8.464	8.464	(1.097)	48680	20.0000	19.49
97	4,6-Dinitro-2-methylphenol	198	8.536	8.536	(0.880)	23755	20.0000	19.08
98	N-Nitrosodiphenylamine	169	8.578	8.578	(0.885)	144502	23.4000	22.85
100	Azobenzene	77	8.609	8.609	(0.888)	175604	20.0000	19.68
101	4-Bromophenyl-phenylether	248	9.065	9.065	(0.935)	37921	20.0000	19.57
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	41136	20.0000	19.64
110	Pentachlorophenol	266	9.521	9.521	(0.982)	23021	20.0000	17.74
114	Phenanthrene	178	9.728	9.728	(1.003)	249639	20.0000	19.74
115	Anthracene	178	9.790	9.790	(1.010)	254535	20.0000	20.00
118	Carbazole	167	10.060	10.060	(1.037)	236965	20.0000	19.93
120	Di-n-Butylphthalate	149	10.754	10.754	(1.109)	273588	20.0000	19.00
126	Fluoranthene	202	11.625	11.625	(1.199)	220458	20.0000	19.29
127	Benzidine	184	11.894	11.894	(0.842)	158121	20.0000	19.53
128	Pyrene	202	11.987	11.987	(0.849)	243102	20.0000	19.88
134	3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	130478	20.0000	19.08
136	Butylbenzylphthalate	149	13.303	13.303	(0.942)	121530	20.0000	19.21
138	Benzo(a)Anthracene	228	14.101	14.101	(0.999)	200182	20.0000	19.22
139	Chrysene	228	14.164	14.164	(1.003)	215801	20.0000	20.03
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	74402	20.0000	19.66
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	165990	20.0000	18.98
142	Di-n-octylphthalate	149	15.490	15.490	(1.097)	262325	20.0000	19.17
144	Benzo(b)fluoranthene	252	15.925	15.925	(0.964)	168822	20.0000	18.48
145	Benzo(k)fluoranthene	252	15.967	15.967	(0.967)	217724	20.0000	20.33
147	Benzo(e)pyrene	252	16.350	16.350	(0.990)	176945	20.0000	19.54
148	Benzo(a)pyrene	252	16.433	16.433	(0.995)	204334	20.0000	20.44
151	Indeno(1,2,3-cd)pyrene	276	18.267	18.267	(1.106)	202321	20.0000	20.43
152	Dibenzo(a,h)anthracene	278	18.309	18.309	(1.109)	169908	20.0000	18.74
153	Benzo(g,h,i)perylene	276	18.734	18.734	(1.134)	191908	20.0000	19.82

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

QC Flag Legend

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

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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.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	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

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

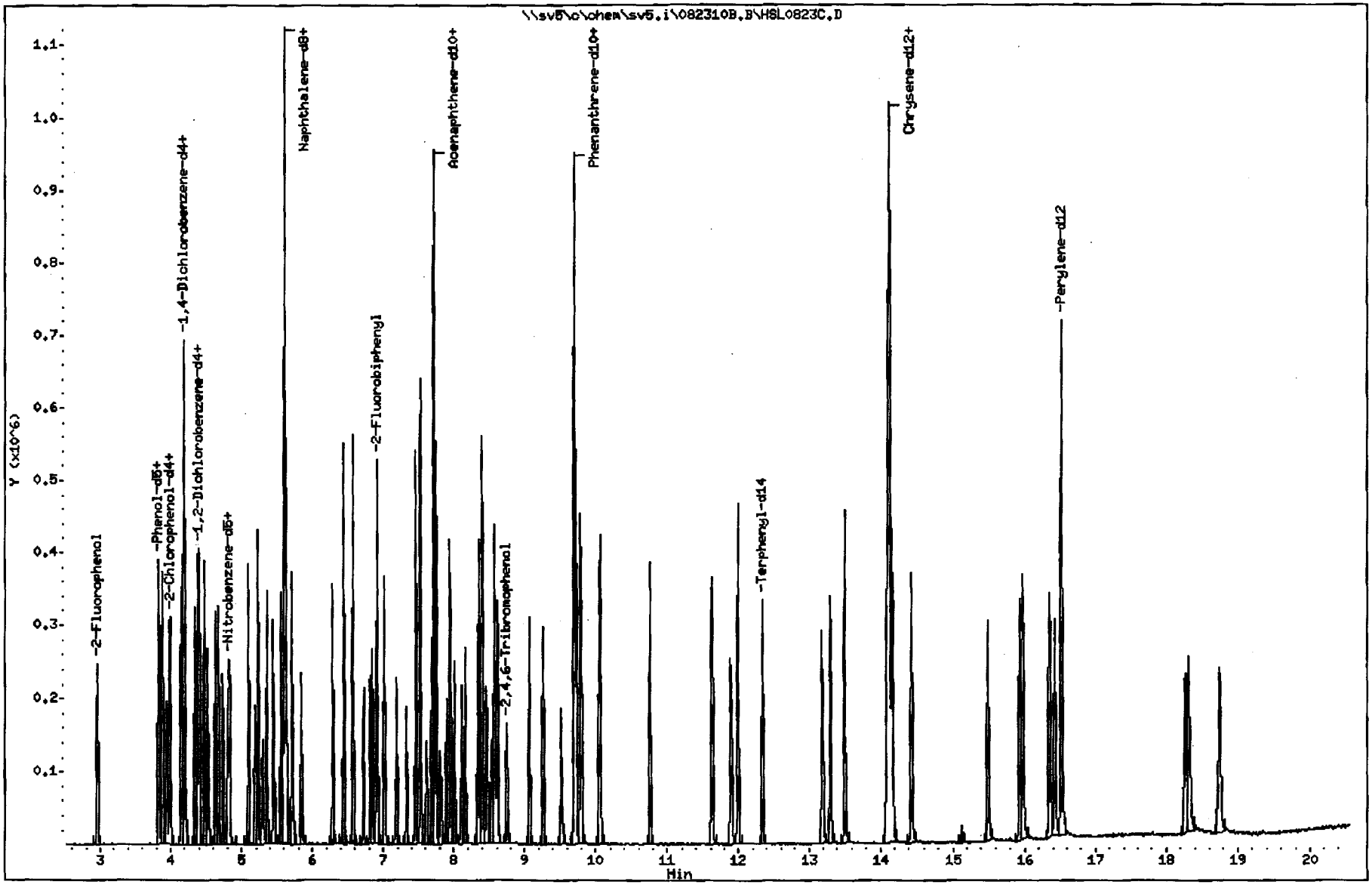
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\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:



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 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

SM 8/24/10

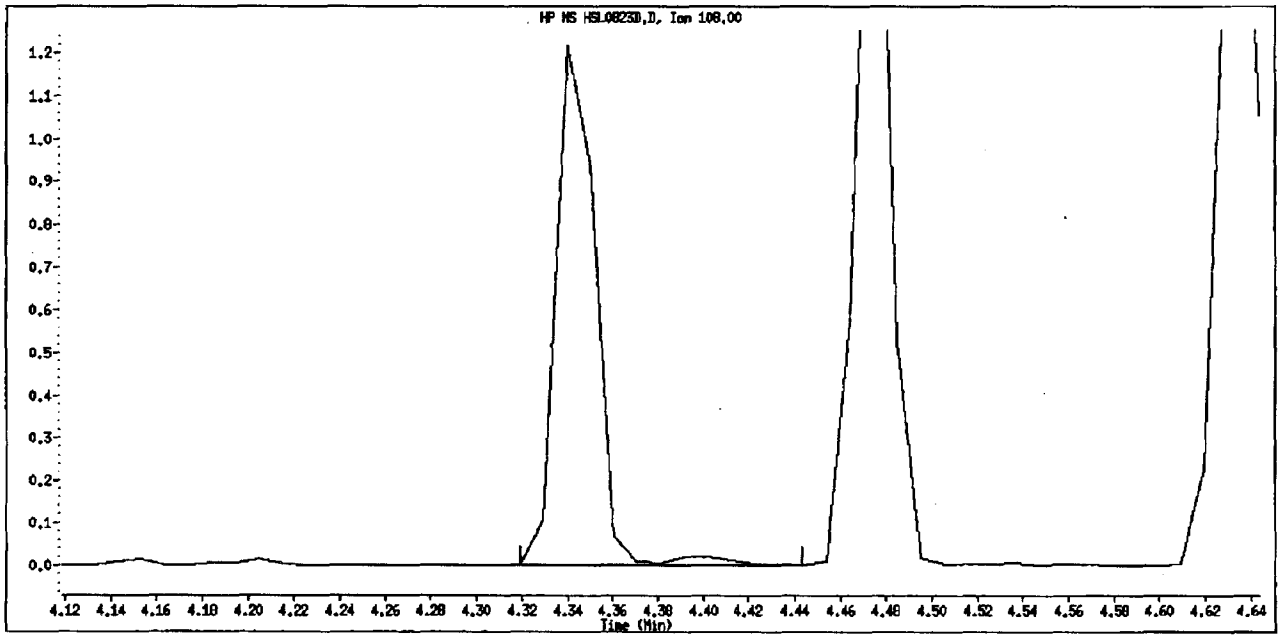
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	250850	50.0000	50.22
49	2,4-Dichlorophenol	162	5.448	5.448	(0.972)	160069	50.0000	51.19
50	Benzoic Acid	122	5.324	5.324	(0.950)	126954	50.0000	60.75
51	1,2,4-Trichlorobenzene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

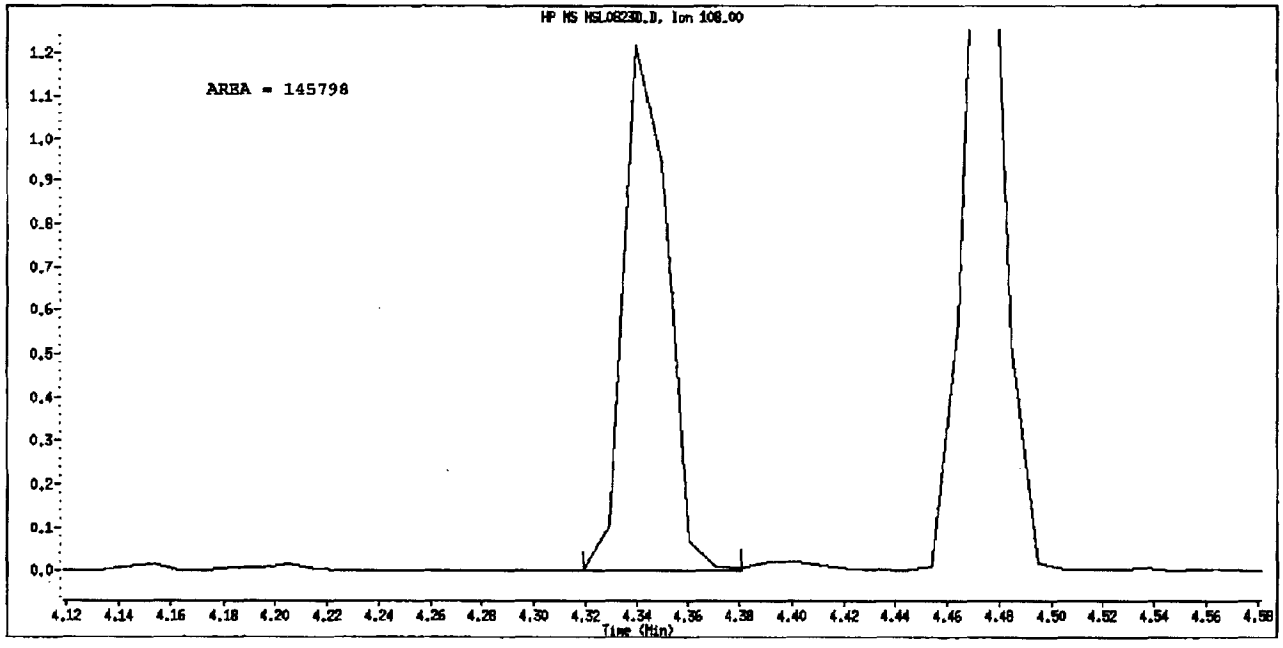
QC Flag Legend

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: 08/24/2010



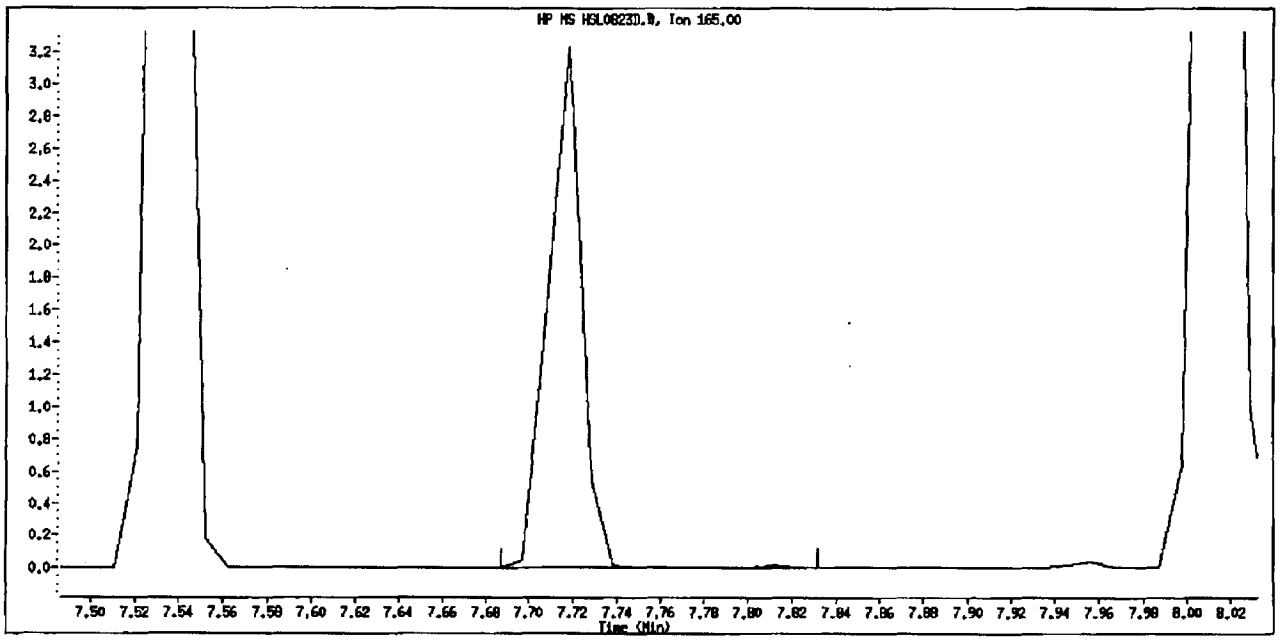
Original Integration



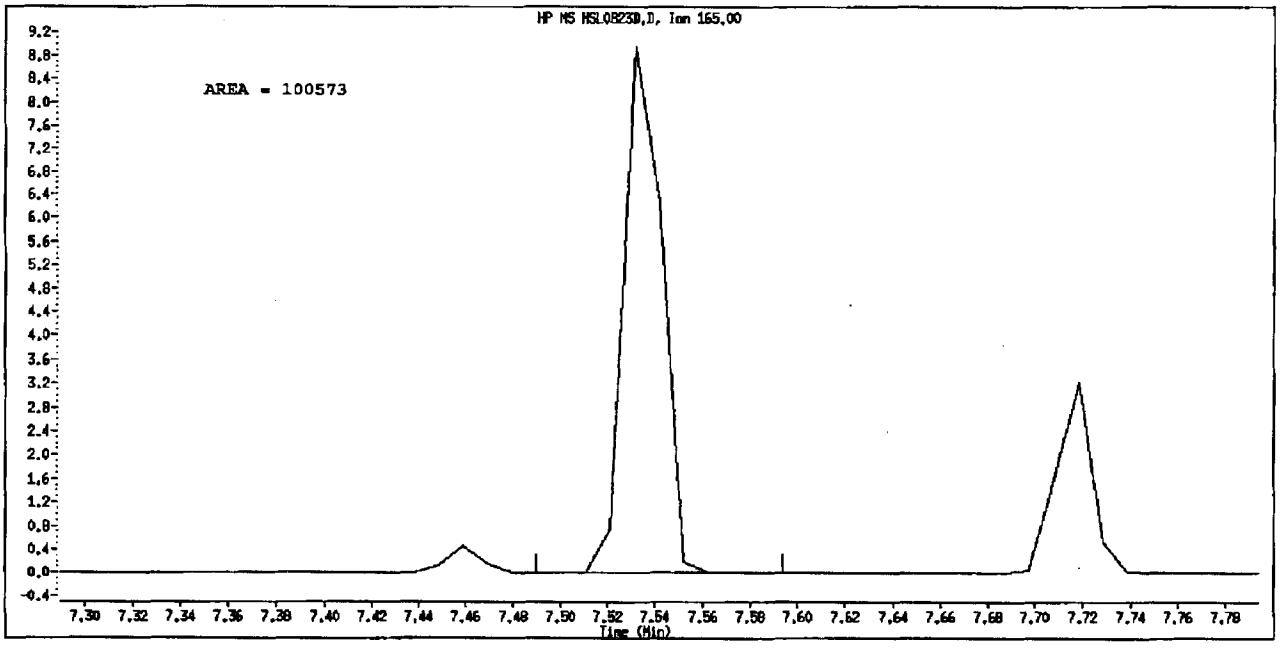
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

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



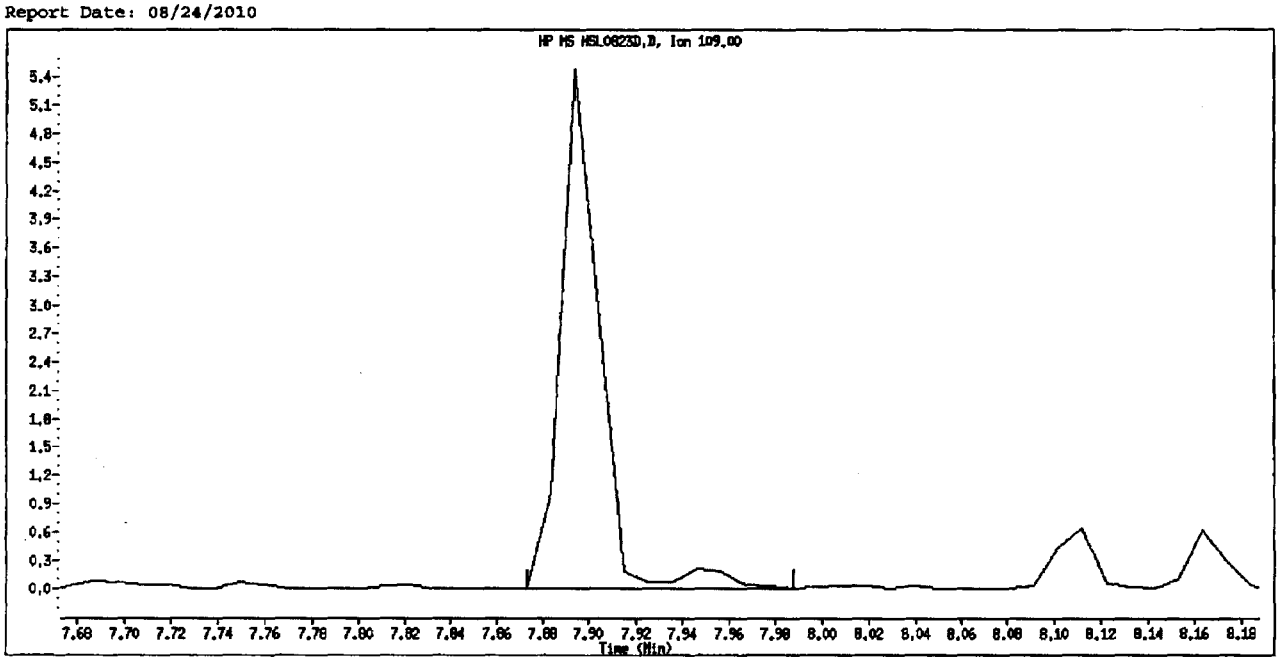
Original Integration



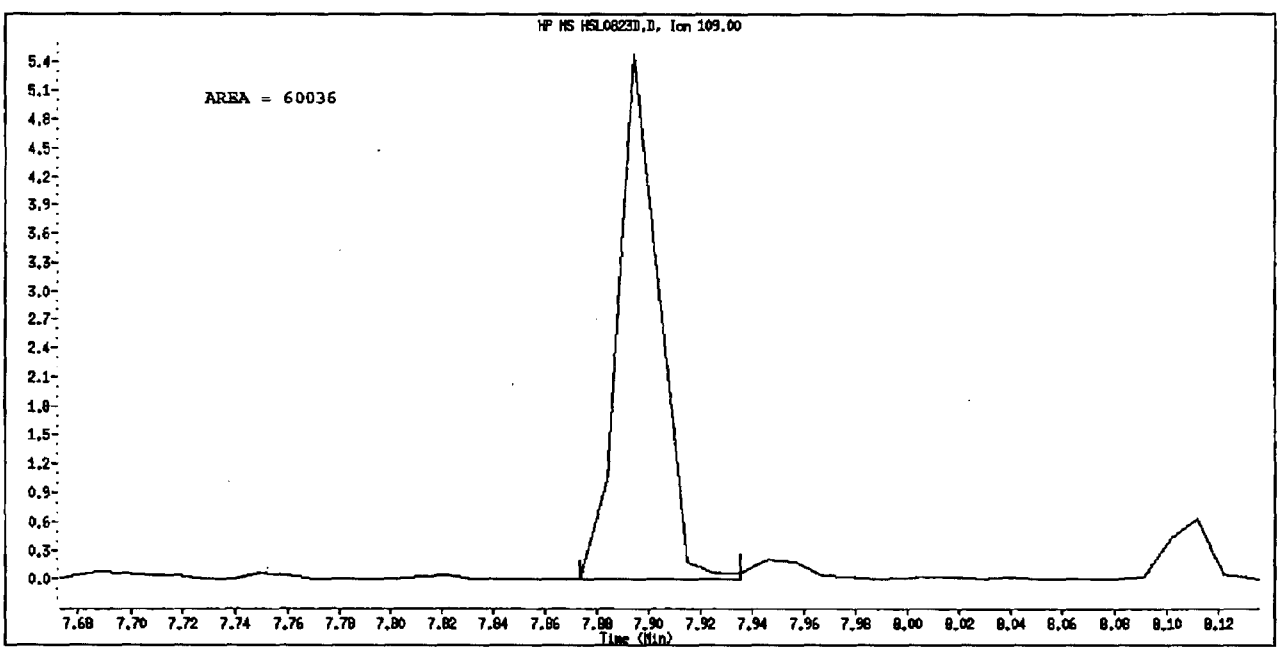
Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Wrong Peak

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



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	112399	40.0000	
*	2 Naphthalene-d8	136	5.603	5.603	(1.000)	494728	40.0000	
*	3 Acenaphthene-d10	164	7.718	7.718	(1.000)	264752	40.0000	
*	4 Phenanthrene-d10	188	9.697	9.697	(1.000)	415811	40.0000	
*	5 Chrysene-d12	240	14.132	14.132	(1.000)	431516	40.0000	
*	6 Perylene-d12	264	16.526	16.526	(1.000)	416460	40.0000	
$	7 2-Fluorophenol	112	2.961	2.961	(0.708)	205458	50.0000	49.43
$	8 Phenol-d5	99	3.821	3.821	(0.913)	268577	50.0000	50.44
$	9 2-Chlorophenol-d4	132	3.976	3.976	(0.950)	221459	50.0000	49.31
$	10 1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	134259	50.0000	48.05
$	11 Nitrobenzene-d5	82	4.816	4.816	(0.859)	220739	50.0000	49.66
$	12 2-Fluorobiphenyl	172	6.909	6.909	(0.895)	408804	50.0000	48.79
$	13 2,4,6-Tribromophenol	330	8.743	8.743	(1.133)	55963	50.0000	54.03
$	14 Terphenyl-d14	244	12.339	12.339	(0.873)	410782	50.0000	49.20
	15 N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	139987	50.0000	48.93
	16 Pyridine	79	1.956	1.956	(0.468)	229677	50.0000	48.45
	23 Aniline	93	3.883	3.883	(0.928)	335570	50.0000	50.33
	24 Phenol	94	3.842	3.842	(0.918)	283543	50.0000	49.88
	26 Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	210388	50.0000	49.08
	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.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	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

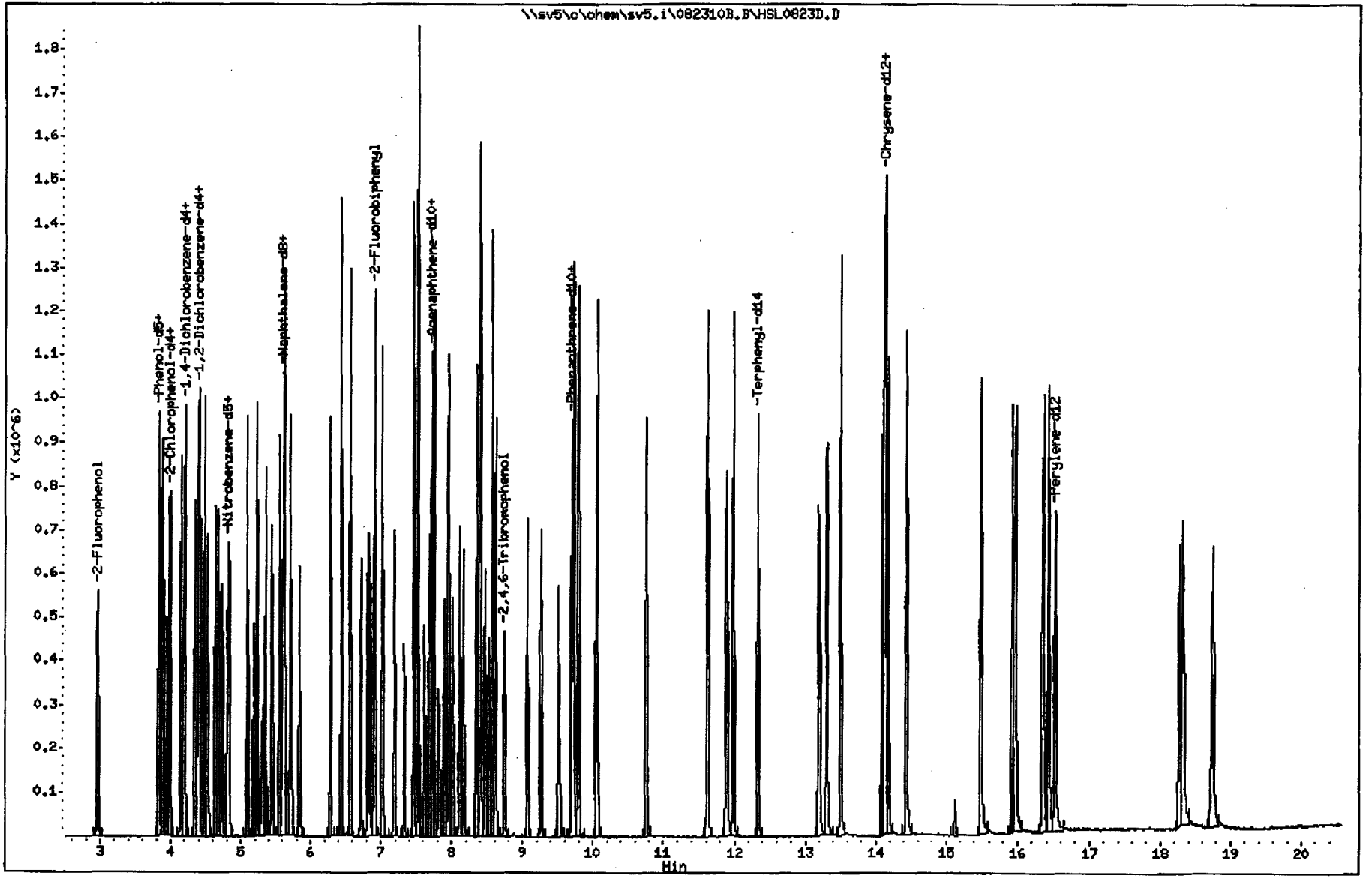
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53	16.03	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\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)	AMOUNTS ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	118396	40.0000		(Q)
*	2 Naphthalene-d8	136	5.604	5.604	(1.000)	521662	40.0000		
*	3 Acenaphthene-d10	164	7.718	7.718	(1.000)	277616	40.0000		
*	4 Phenanthrene-d10	188	9.697	9.697	(1.000)	436069	40.0000		
*	5 Chrysene-d12	240	14.132	14.132	(1.000)	433224	40.0000		
*	6 Perylene-d12	264	16.526	16.526	(1.000)	427303	40.0000		
$	7 2-Fluorophenol	112	2.961	2.961	(0.708)	349327	80.0000	80.26	
$	8 Phenol-d5	99	3.831	3.831	(0.916)	457687	80.0000	81.62	
$	9 2-Chlorophenol-d4	132	3.977	3.977	(0.950)	378697	80.0000	80.34	
$	10 1,2-Dichlorobenzene-d4	152	4.391	4.391	(1.050)	231328	80.0000	78.69	
$	11 Nitrobenzene-d5	82	4.816	4.816	(0.859)	378263	80.0000	81.91	
$	12 2-Fluorobiphenyl	172	6.909	6.909	(0.895)	694956	80.0000	78.98	
$	13 2,4,6-Tribromophenol	330	8.744	8.744	(1.133)	92395	80.0000	87.53	
$	14 Terphenyl-d14	244	12.340	12.340	(0.873)	681363	80.0000	79.79	
	15 N-Nitrosodimethylamine	74	1.935	1.935	(0.463)	238169	80.0000	78.91	
	16 Pyridine	79	1.956	1.956	(0.468)	394667	80.0000	79.31	
	23 Aniline	93	3.883	3.883	(0.928)	565523	80.0000	80.55	
	24 Phenol	94	3.842	3.842	(0.918)	474870	80.0000	80.12	
	26 Bis(2-chloroethyl)ether	93	3.945	3.945	(0.943)	354092	80.0000	78.00	
	27 2-Chlorophenol	128	3.997	3.997	(0.955)	372871	80.0000	79.53	
	28 1,3-Dichlorobenzene	146	4.153	4.153	(0.993)	407979	80.0000	79.25	
	29 1,4-Dichlorobenzene	146	4.205	4.205	(1.005)	415272	80.0000	79.51	
	30 Benzyl Alcohol	108	4.339	4.339	(1.037)	256102	80.0000	80.33	
	31 1,2-Dichlorobenzene	146	4.401	4.401	(1.052)	389664	80.0000	78.83	
	32 2-Methylphenol	108	4.474	4.474	(1.069)	356302	80.0000	80.74	
	33 2,2'-oxybis(1-Chloropropane)	45	4.526	4.526	(1.082)	684328	80.0000	76.95	
	34 4-Methylphenol	108	4.640	4.640	(1.109)	380682	80.0000	81.23	
	36 Hexachloroethane	117	4.733	4.733	(1.131)	148577	80.0000	81.42	
	37 N-Nitrosodinpropylamine	70	4.671	4.671	(1.116)	262998	80.0000	78.83	
	42 Nitrobenzene	77	4.837	4.837	(0.863)	376430	80.0000	81.32	
	44 Isophorone	82	5.096	5.096	(0.909)	719749	80.0000	81.28	
	45 2-Nitrophenol	139	5.199	5.199	(0.928)	208879	80.0000	86.55	
	46 2,4-Dimethyphenol	107	5.231	5.231	(0.933)	380072	80.0000	81.37	

SMS 8/24/10

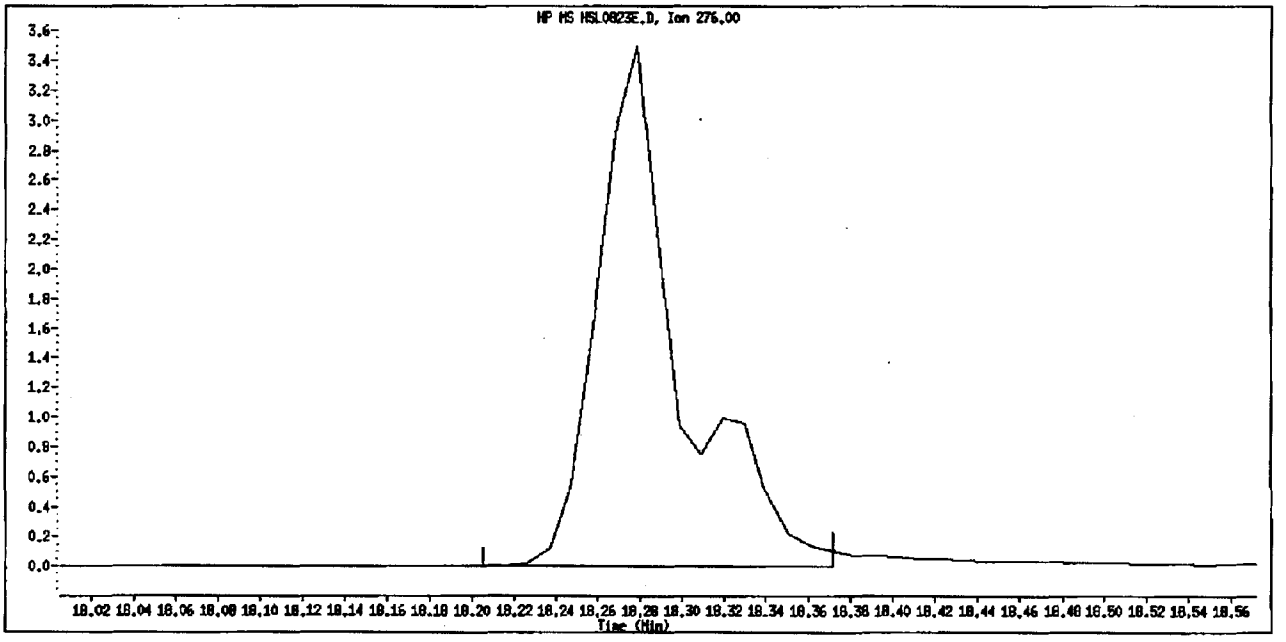
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	421499	80.0000	79.92
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	277736	80.0000	82.33
50	Benzoic Acid	122	5.344	5.344	(0.954)	224297	80.0000	91.52
51	1,2,4-Trichlorobenzene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

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

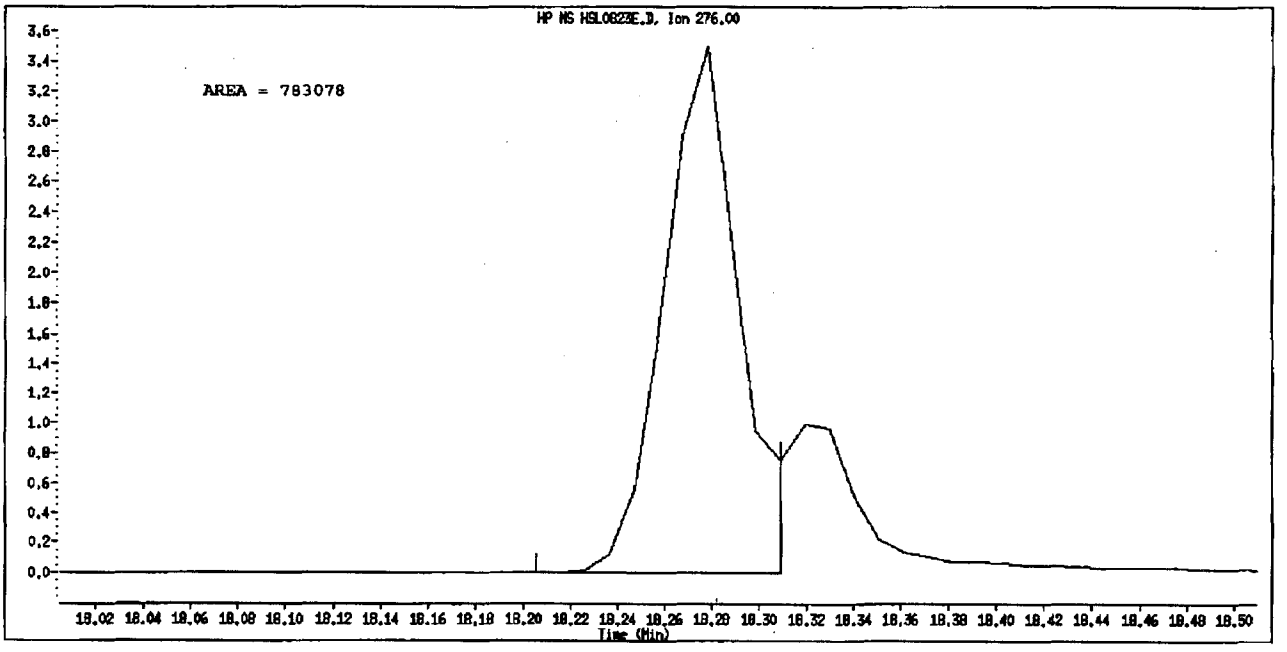
QC Flag Legend

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

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



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica WestSacramento

Method 8270C

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

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

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

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

QC Flag Legend

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

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.

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

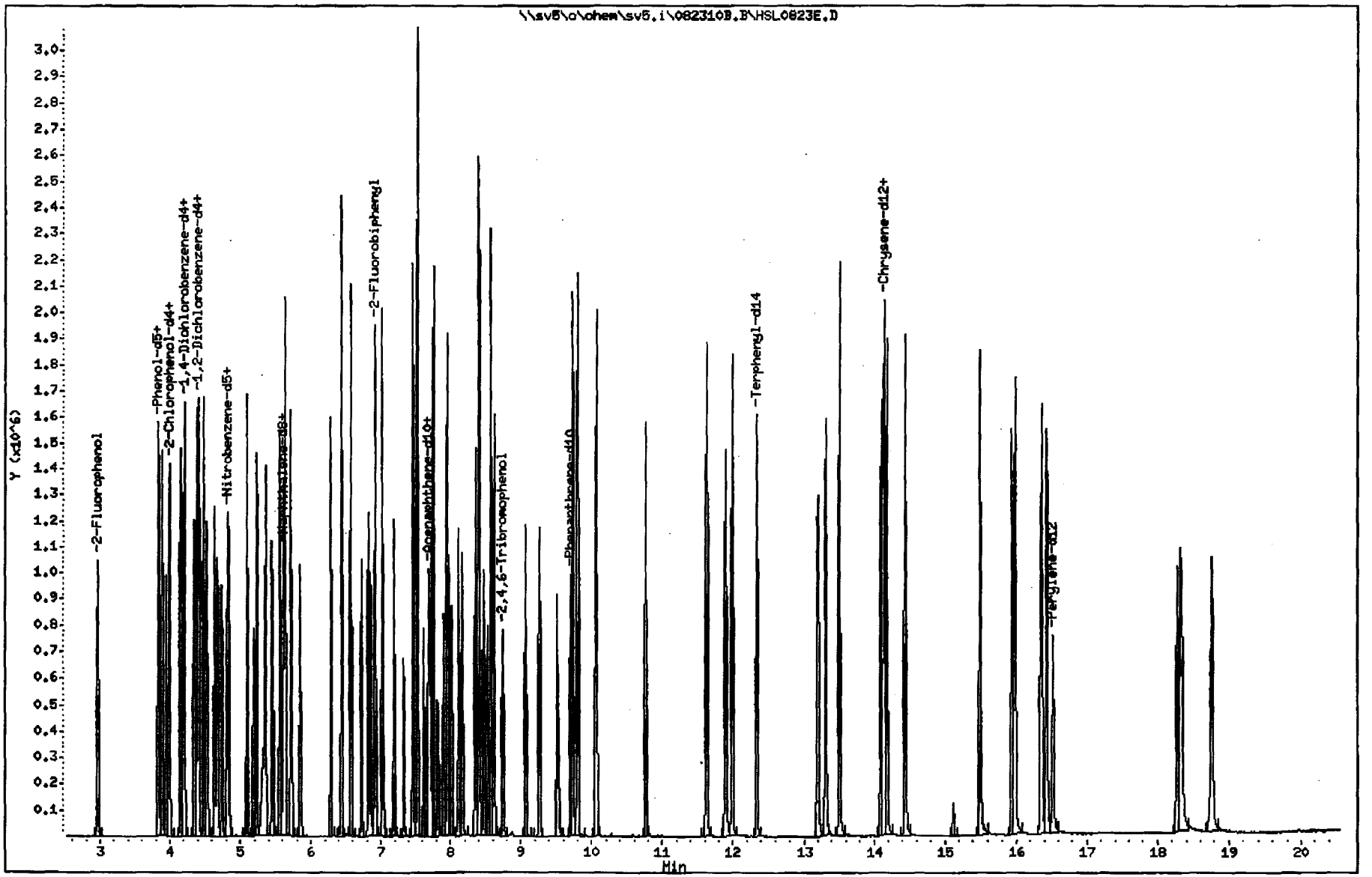
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53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

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

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

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

Column phase:



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\082310B.B\HSL0823F.D
Lab Smp Id: HSL 120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 23-AUG-2010 18:24
Operator : KT Inst ID: sv5.i
Smp Info : HSL 120 ug/ml CS-6;1;;6;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\082310B.B\8270f.m
Meth Date : 24-Aug-2010 15:55 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:03 Cal File: AP90817E.D
Als bottle: 97 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP333

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS 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

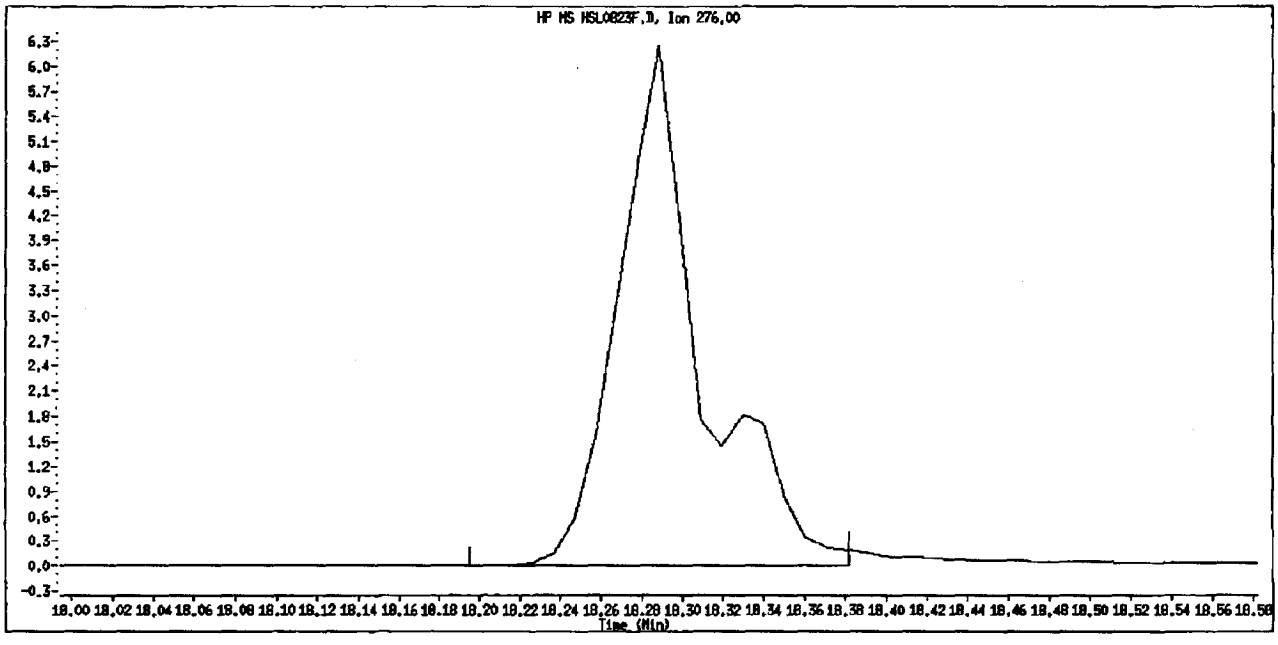
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	747512	120.000	119.0
49	2,4-Dichlorophenol	162	5.458	5.458	(0.974)	508025	120.000	125.4
50	Benzoic Acid	122	5.365	5.365	(0.957)	443415	120.000	140.0
51	1,2,4-Trichlorobenzene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

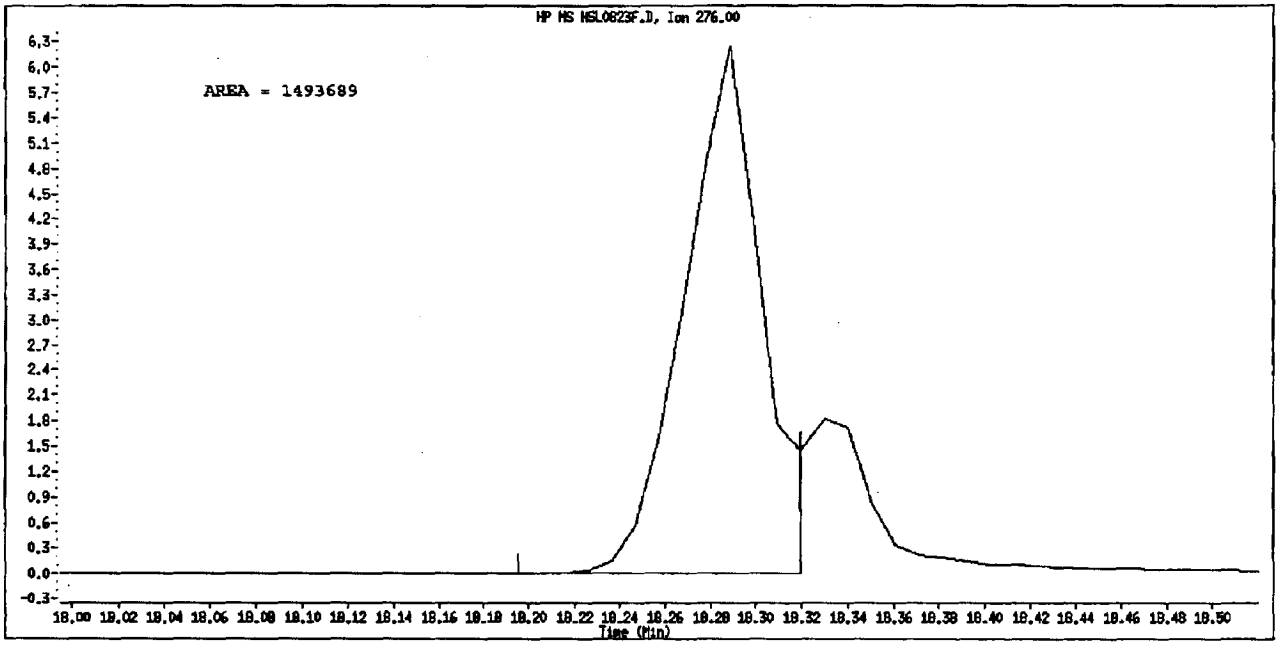
QC Flag Legend

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	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

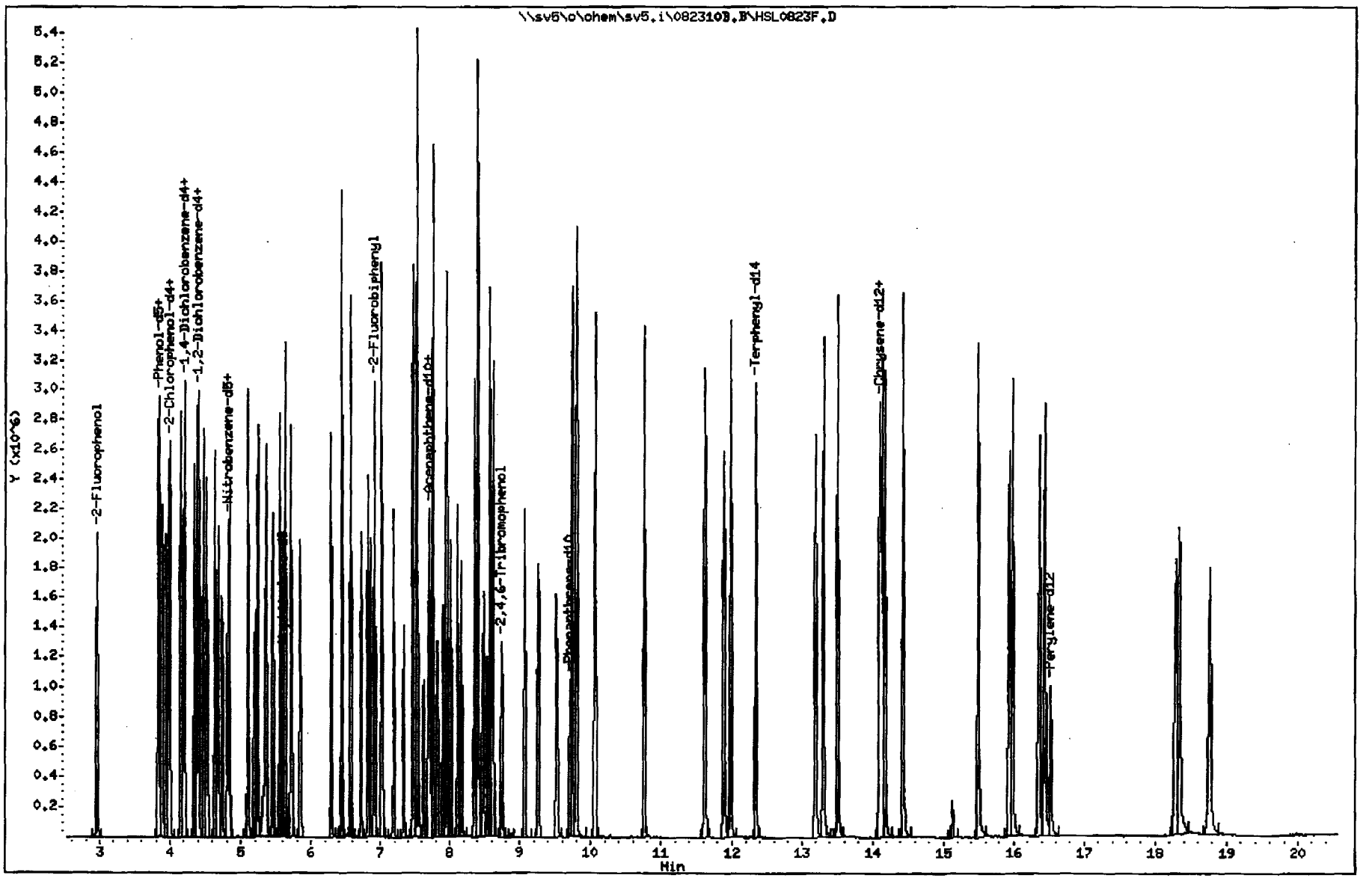
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.60	5.10	6.10	5.60	0.00
3 Acenaphthene-d10	7.72	7.22	8.22	7.72	0.00
4 Phenanthrene-d10	9.70	9.20	10.20	9.70	0.00
5 Chrysene-d12	14.13	13.63	14.63	14.13	0.00
6 Perylene-d12	16.53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

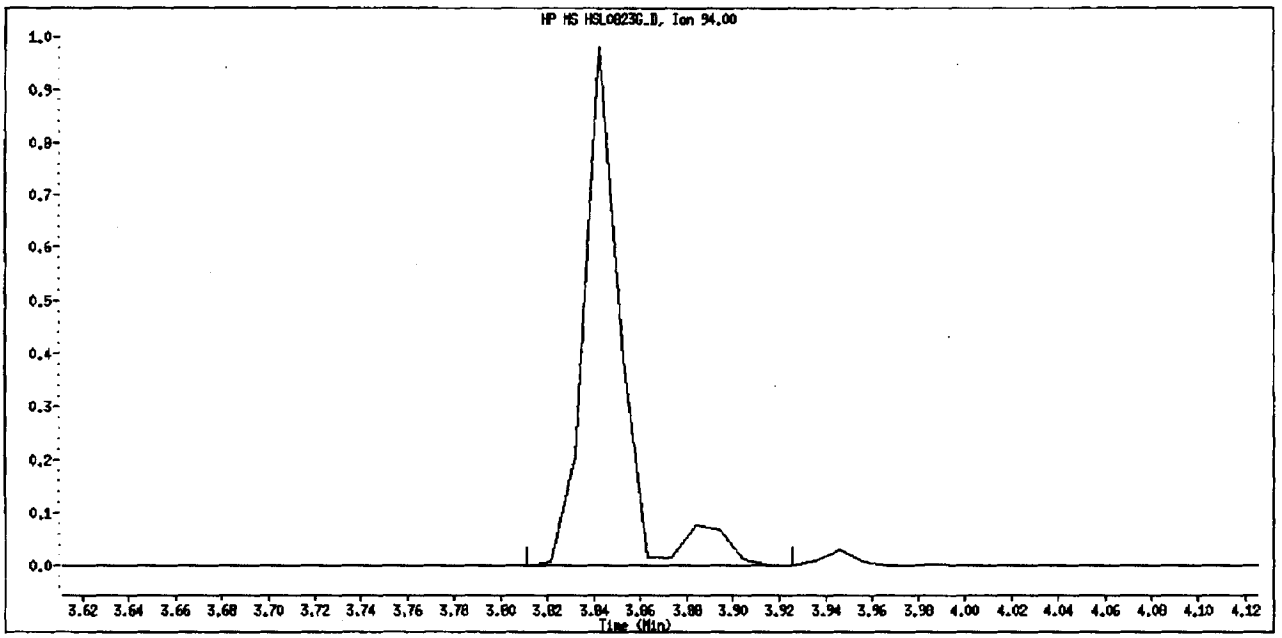
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	122519	40.0000	
* 2	Naphthalene-d8	136	5.604	5.604	(1.000)	543074	40.0000	
* 3	Acenaphthene-d10	164	7.718	7.718	(1.000)	280308	40.0000	
* 4	Phenanthrene-d10	188	9.697	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

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

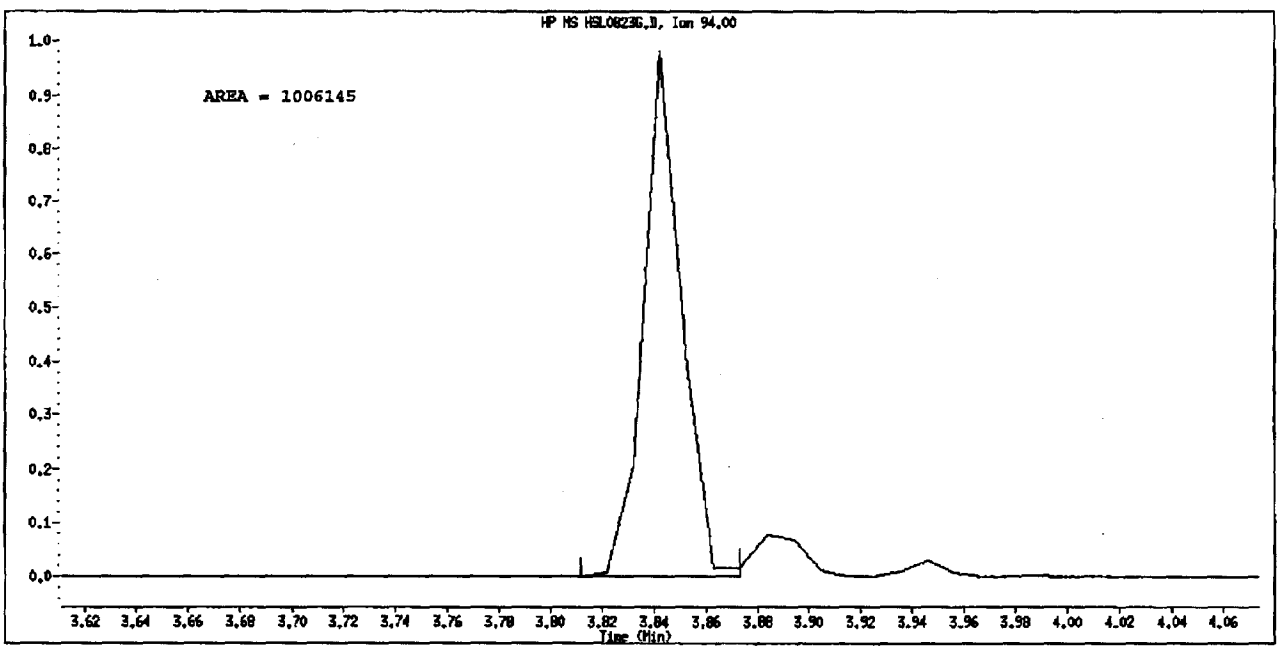
QC Flag Legend

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

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



Original Integration



Manual Integration

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

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Method 8270C

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

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

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

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

QC Flag Legend

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

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

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

Test Mode:
Use Initial Calibration Level 4.

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

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

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

Data File: \\sv5\o\chem\sv5.i\082310B.B\HSL0823G.D

Date : 23-AUG-2010 18:50

Client ID: 8270F.M

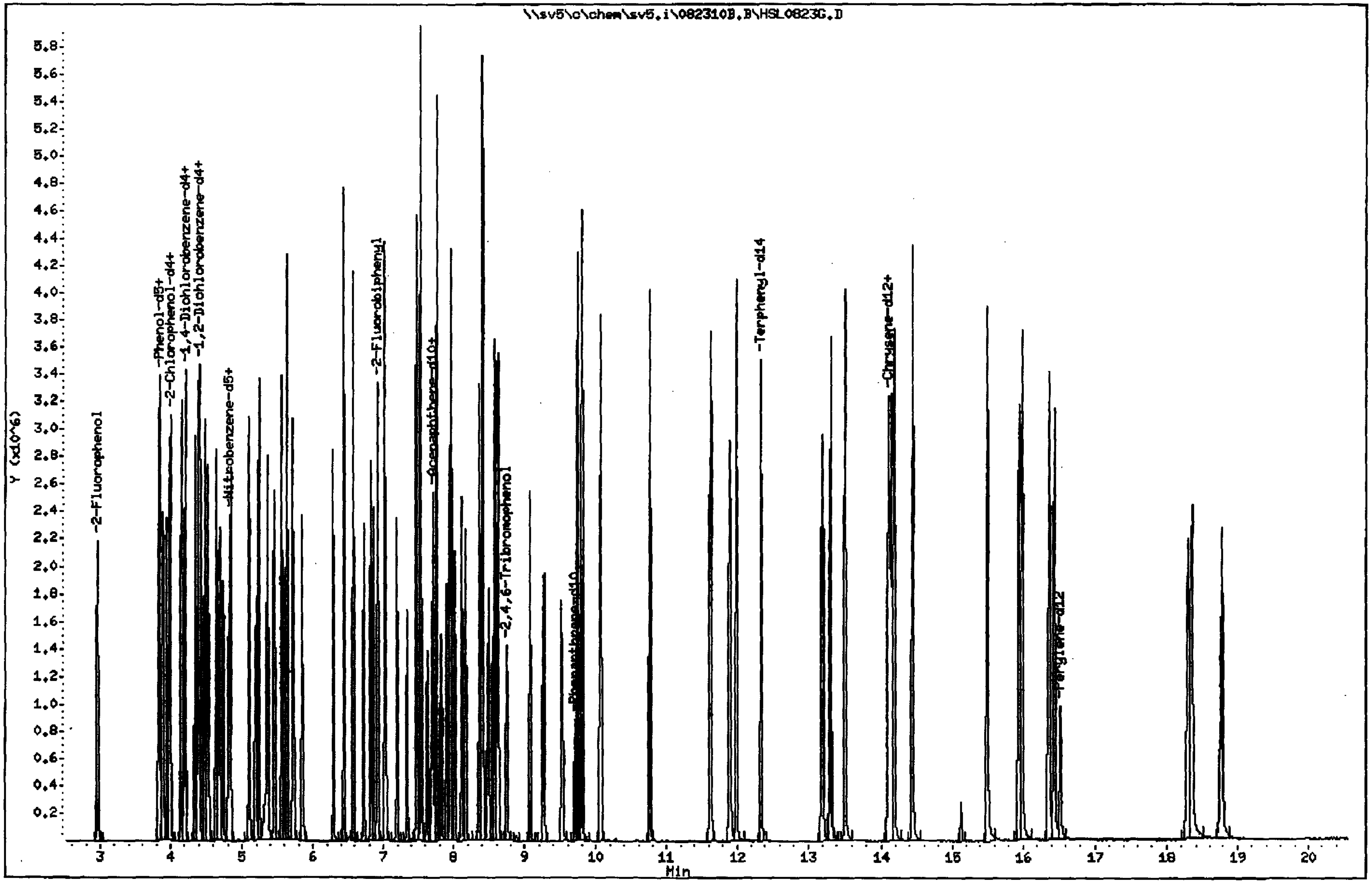
Instrument: sv5.i

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

Operator: KT

Column phase:

Column diameter: 2.00



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CONTINUING CALIBRATION COMPOUNDS

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

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

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CONTINUING CALIBRATION COMPOUNDS

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

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

8/24/10

TestAmerica WestSacramento

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 9/8/2010
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M
Comment : SOP SAC-MS-0005 30d
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

9/8/2010

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.355	5.355	(0.956)	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 SPS 8/24/10
100	Azobenzene	77	8.609	8.609	(0.888)	485095	50.0000	51.20
101	4-Bromophenyl-phenylether	248	9.075	9.075	(0.936)	105146	50.0000	51.10
108	Hexachlorobenzene	284	9.262	9.262	(0.955)	115222	50.0000	51.80
110	Pentachlorophenol	266	9.521	9.521	(0.982)	71155	50.0000	51.64
114	Phenanthrene	178	9.728	9.728	(1.003)	663370	50.0000	49.40
115	Anthracene	178	9.800	9.800	(1.011)	673538	50.0000	49.84
118	Carbazole	167	10.060	10.060	(1.037)	622118	50.0000	49.27
120	Di-n-Butylphthalate	149	10.754	10.754	(1.109)	788920	50.0000	51.60
126	Fluoranthene	202	11.624	11.624	(1.199)	624843	50.0000	51.49
127	Benzidine	184	11.894	11.894	(0.842)	285763	50.0000	32.07
128	Pyrene	202	11.987	11.987	(0.849)	657235	50.0000	49.14
134	3,3'-dimethylbenzidine	212	13.189	13.189	(0.934)	215475	50.0000	28.18
136	Butylbenzylphthalate	149	13.303	13.303	(0.942)	356253	50.0000	51.48
138	Benzo(a)Anthracene	228	14.101	14.101	(0.999)	543965	50.0000	47.76
139	Chrysene	228	14.174	14.174	(1.004)	564621	50.0000	47.92
140	3,3'-Dichlorobenzidine	252	14.132	14.132	(1.001)	207903	50.0000	50.22
141	bis(2-ethylhexyl)Phthalate	149	14.433	14.433	(1.022)	487758	50.0000	50.98
142	Di-n-octylphthalate	149	15.490	15.490	(1.097)	769484	50.0000	50.01
144	Benzo(b)fluoranthene	252	15.935	15.935	(0.964)	532415	50.0000	53.37
145	Benzo(k)fluoranthene	252	15.977	15.977	(0.967)	576388	50.0000	49.28
147	Benzo(e)pyrene	252	16.360	16.360	(0.990)	512902	50.0000	51.86
148	Benzo(a)pyrene	252	16.433	16.433	(0.994)	487457	50.0000	44.65
151	Indeno(1,2,3-cd)pyrene	276	18.267	18.267	(1.105)	446447	50.0000	48.11
152	Dibenzo(a,h)anthracene	278	18.319	18.319	(1.108)	513502	50.0000	51.85
153	Benzo(g,h,i)perylene	276	18.744	18.744	(1.134)	536425	50.0000	50.73

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS 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.

TestAmerica WestSacramento

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.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT 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

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	14.12	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

Page 5

Date : 23-AUG-2010 19:17

Client ID: 8270F,H

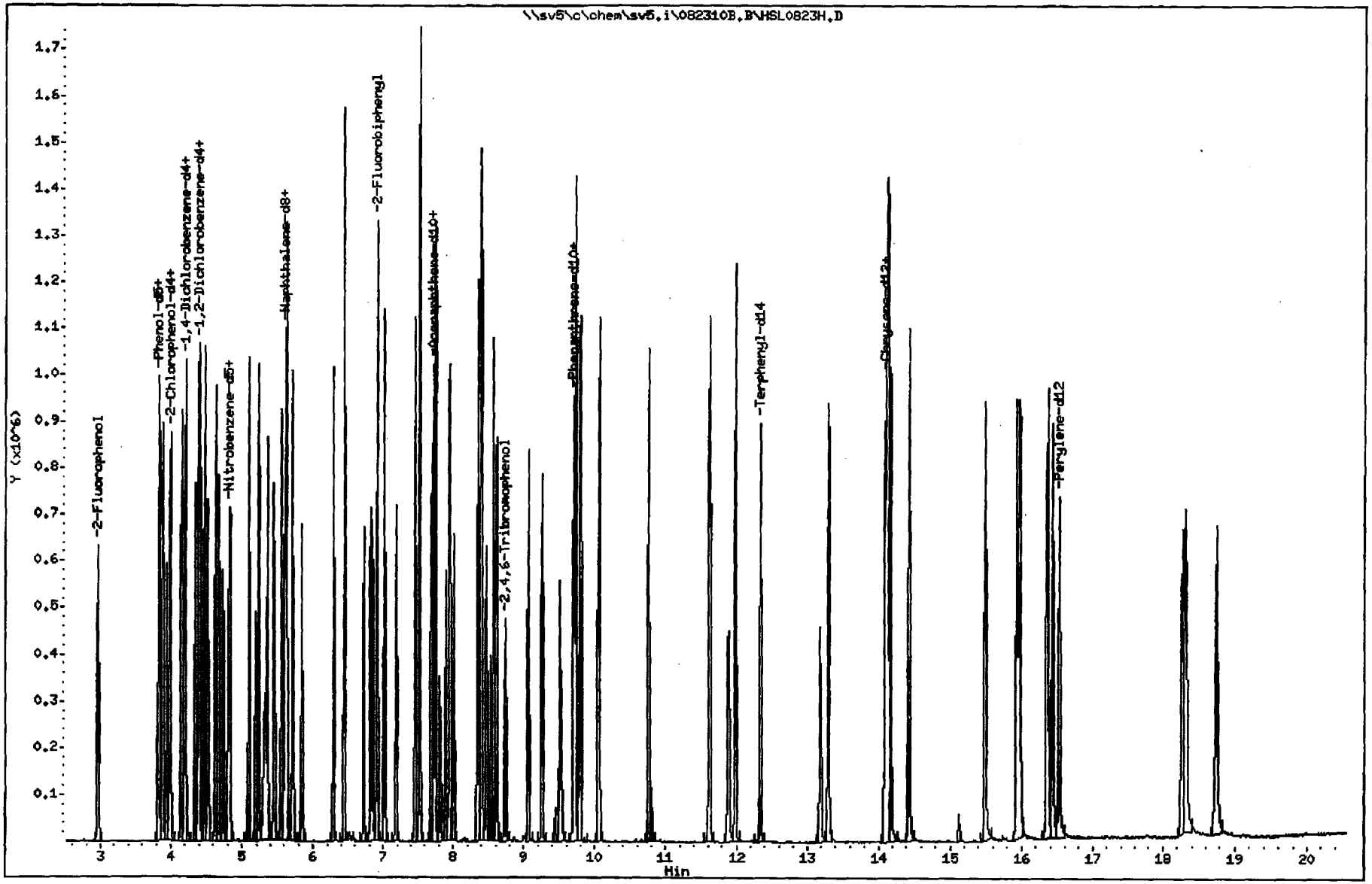
Instrument: sv5.i

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

Operator: KT

Column phase:

Column diameter: 2.00



TestAmerica WestSacramento

CONTINUING CALIBRATION COMPOUNDS

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

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

TestAmerica WestSacramento

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

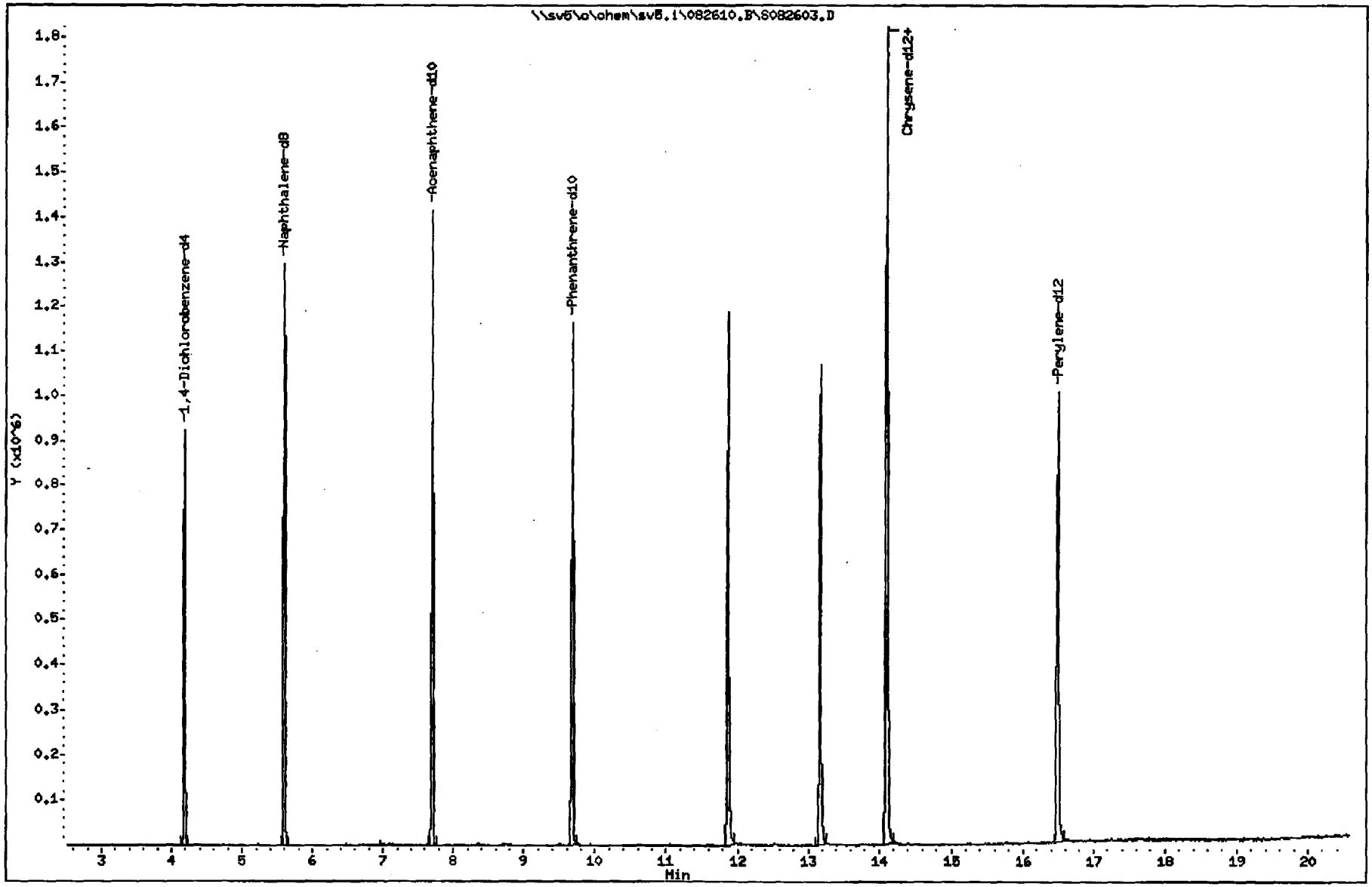
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.18	3.68	4.68	4.18	0.00
2 Naphthalene-d8	5.59	5.09	6.09	5.59	0.00
3 Acenaphthene-d10	7.71	7.21	8.21	7.71	0.00
4 Phenanthrene-d10	9.69	9.19	10.19	9.69	0.00
5 Chrysene-d12	14.10	13.60	14.60	14.10	0.00
6 Perylene-d12	16.50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

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

Column phase:



Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
Organic Prep Log
8270 Air

Box # Air Tox #289

Shared QC Batch: N/A

Shares QC With: N/A

TestAmericc
THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	9/21/10
Inst Receipt:	

Batch: 0263337

MS Run #:

Prep Date: 9/20/2010 *RUSH*

Method: JZ TO-13

Matrix: S AIR

Extraction: 11 SOXHLET (NONE,Na2SO4)

QC: 3W AMBIENT AIR TESTING

SAC: JZ - S - 11 - 3W

WS-OP-0006

Soxhlet time on: 14:10 Soxhlet time off: 8:15

Prep Reagents

Reagent	Supplier	Lot #
1:1 DCM:Acetone	NA	N/A
DCM	Baker	J23501
Na2SO4	Baker	N/A

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires
					1mL	Other	
G0I180489 - 7		L66481AA	9/22/2010	1.0	✓		10/25/2010
G0I180489 - 8		L66491AA	9/22/2010	1.0	✓		10/25/2010
G0I180489 - 9		L665A1AA	9/23/2010	1.0	✓		10/26/2010
G0I180489 - 10		L665C1AA	9/23/2010	1.0	✓		10/26/2010
G0I180489 - 11		L665D1AA	9/24/2010	1.0	✓		10/27/2010
G0I180489 - 12		L665E1AA	9/24/2010	1.0	✓		10/27/2010
G0I200000 - 337	B	L674T1AA	9/22/2010	1.0	✓		10/25/2010
G0I200000 - 337	C	L674T1AC	9/22/2010	1.0	✓		10/25/2010
G0I200000 - 337	L	L674T1AD	9/22/2010	1.0	✓		10/25/2010

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

Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	500µL/10AIRO12/ABN Surr	2/27/11	ECJ	JZ	9/20/10
Spike Mix LCS/LCSD ~~MS/MS~~ ECJ 9/20/10	1.0mL/10AIRO122/8270 LCS Mix II	1/1/11	ECJ	JZ	9/20/10
Pre-Spike Standard ~~All Samples~~ MB only 9/20/10	250µL/10AIRO120/1,2-DCBd4	2/27/11	ECJ	JZ	9/20/10
Internal Standard All Samples	25µL LOWSSV0084	4/8/11	ECJ	CFR	9/22/10
Soxhlet Extraction Analyst/Date	ECJ 9/20/10	Concentration Analyst/Date	ECJ 9/21/10	KD Analyst/Date	ECJ 9/21/10
Liq Liq Extraction Analyst/Date	N/A	KD Temp 80°C		Review Analyst/Date	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0263337 **Test:** TO-13

Prep Date: 9/20/10 **Holding Times:** 9/22/10 - 9/24/10 **NCM:** Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. **Holding times checked?** NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	

Spike witness: _____ Date: 9/20/10

2nd Level Reviewer: _____ Date: 9/21/10

Comments:

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/21/10
Time: 10:45:47

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

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

Extractionist: 403162 erica X. larson

Concentrationist: 403162 erica X. larson

QC BATCH: 0263337

PREP DATE: 9/20/10 15:00
COMP DATE: 9/21/10 17:00

Reviewer/Date: LARSONE / 9/21/10

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/22/10	9/24/10	G0I180489-007 **L6648-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
9/22/10	9/24/10	G0I180489-008 **L6649-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
9/23/10	9/24/10	G0I180489-009 **L665A-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
9/23/10	9/24/10	G0I180489-010 **L665C-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
9/24/10	9/24/10	G0I180489-011 **L665D-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
9/24/10	9/24/10	G0I180489-012 **L665E-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0121/ABN SURR
COMMENTS:															
9/22/10	0/00/00	G0I200000-337 **L674T-1-AA**B		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	250UL/10AIR0120/1,2-DCB 500UL/10AIR0121/ABN SURR
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/21/10
Time: 10:45:47

QC BATCH: 0263337

PREP DATE: 9/20/10 15:00
COMP DATE: 9/21/10 17:00

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
9/22/10	0/00/00	G0I200000-337 **L674T-1-ACC**		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0122/8270 MIX 500UL/10AIR0121/ABN SURR
COMMENTS:															
9/22/10	0/00/00	G0I200000-337 **L674T-1-ADL**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0122/8270 MIX 500UL/10AIR0121/ABN SURR
COMMENTS:															

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

NUMBER OF WORK ORDERS IN BATCH: 9

TestAmerica West Sacramento

GC/MS Data Review Checklist

Batch: 0263337 **Method ID:** Semivolatile Organics by GCMS in Air (TO-13A)

NCM: (Y) N G0I180489

	Analyst	Reviewer	N/A
A. Calibration/Instrument Run QC			
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: 9/29/10

2nd Level Reviewer: _____ Date: 9/27/10

Comments: _____