TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

December 20, 2010

TestAmerica Project Number: G0L040465
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 December 4, 2010. These samples are associated with your Tronox Henderson Air Monitoring project.

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

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

Sincerely,

DAVID R. ALLTUCKER
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G0L040465

Case Narrative

TestAmerica West Sacramento Project Number G0L040465

AIR, TO-13, Semivolatile Organics
Sample(s): 5
The recovery of the pre-spiked surrogate 1,2-Dichlorobenzene-d4 was low and outside criteria. However, the surrogate recovery in the associated method blank was within established control limits. The results is biased low. The matrix effect was confirmed by re-analysis. As air samples are unique, there is no possibility for re-extraction.

AIR, TO-9, Dioxins/Furans
Sample(s): 9
The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on December 15, 2010.

Sample(s): 9, 10, 11, 12
Several analytes in the above samples and in the associated method blanks have been qualified with a "Q" flag due to the ion abundance ratios being outside of criteria. The analytes have been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

There were no other anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

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

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

QC Parameter Definitions

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

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

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

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

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

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

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

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

Sample Summary

TestAmerica West Sacramento Project Number G0L040465

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MAWEP	1	DW-12012010B	12/1/2010 06:44 PM	12/4/2010 09:00 AM
MAWEQ	2	UW-12012010B	12/1/2010 05:51 PM	12/4/2010 09:00 AM
MAWER	3	UW-12022010B	12/2/2010 05:41 PM	12/4/2010 09:00 AM
MAWEX	4	DW-12022010B	12/2/2010 06:04 PM	12/4/2010 09:00 AM
MAWE2	5	DW-12012010B	12/1/2010 06:43 PM	12/4/2010 09:00 AM
MAWE6	6	UW-12012010B	12/1/2010 05:53 PM	12/4/2010 09:00 AM
MAWE7	7	UW-12022010B	12/2/2010 05:38 PM	12/4/2010 09:00 AM
MAWE9	8	DW-12022010B	12/2/2010 06:01 PM	12/4/2010 09:00 AM
MAWFA	9	DW-12012010B	12/1/2010 06:42 PM	12/4/2010 09:00 AM
MAWFD	10	UW-12012010B	12/1/2010 05:52 PM	12/4/2010 09:00 AM
MAWFF	11	UW-12022010B	12/2/2010 05:37 PM	12/4/2010 09:00 AM
MAWFG	12	DW-12022010B	12/2/2010 06:00 PM	12/4/2010 09:00 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: 1 of 1
Cooler # 1 of 1

COC # 2027.07.0019
Total # of Samples: 4 Event Complete?

Regular				Rush	5 day	Mark One

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name:	Test America Laboratories Inc	Site ID #:102	TRONOX LLC. HENDERSON	Send invoice to:	Susan Crowley Tronox LLC.
Address:	880 Riverside Parkway	Project #	2027.07	Address:	PO Box 55
	West Sacramento, CA 95605	Site Address	860 W Lake Mead Pkwy	City/State.	Henderson, NV 89009 Phone #: (949) 260-9293
Lab PM:	David Alltucker	City	Henderson State, Zip NV, 89015	PO #	
Phone/FaH:	(916) 373-5600	Site PM Name	Ted Splitter	Send EDD to	Frank.Hagar@ngem.com
Lab PM email	David.Alltucker@testamericainc.com	Phone/FaH:	(510) 435-4609	CC Hardcopy report to	PDF Electronic Version Only – FTP Upload
Applicable Lab Quote #:		Site PM Email:	Ted.Splitter@ngem.com	CC Hardcopy report to	See Additional Comments Below

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D. Volume (m^3)	TO-9A/Dioxins, Furans	TO-13A/8270C/HCB	TSP	6020/As/Mn/ICPMS
1	UW-12012010B		AA			12/1/2010	6:44 PM	1	930.05			X	X
1	UW-12012010B		AA			12/1/2010	6:43 PM	1	627.81		X		
1	UW-12012010B		AA			12/1/2010	6:42 PM	1	648.74	X			
2	DW-12012010B		AA			12/1/2010	5:51 PM	1	938.53			X	X
2	DW-12012010B		AA			12/1/2010	5:53 PM	1	636.03		X		
2	DW-12012010B		AA			12/1/2010	5:52 PM	1	605.88	X			
	UW-12022010B		AA			12/2/2010	5:38 PM	1	662.34 (HOLD)		H		
	UW-12022010B		AA			12/2/2010	5:37 PM	1	617.87 (HOLD)	H			
	UW-12022010B		AA			12/2/2010	5:41 PM	1	967.59 (HOLD)			H	H
	DW-12022010B		AA			12/2/2010	6:01 PM	1	647.86 (HOLD)		H		
	DW-12022010B		AA			12/2/2010	6:00 PM	1	662.34 (HOLD)	H			
	DW-12022010B		AA			12/2/2010	6:04 PM	1	963.12 (HOLD)			H	H

Additional Comments/Special Instructions:
3-5 DAY TURN AROUND: Please hold samples marked with an "H" until contacted by David Behnken.

Relinquished by	Date/Time	Accepted by	Date	Time
Ronda S. Bailey [signature]	12/3/10 1500	[signature]	12-4-10	1100

PRINT Name of SAMPLER: Ronda Bailey
SIGNATURE of SAMPLER: [signature] DATE Signed: 12/3/10 1500
Time:

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

1- labeled DW-12012010B
2- labeled UW-12012010B

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

COPY

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1
Cooler # 1 of 1

COC # 2027.07.0019
Total # of Samples: 4
Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name:	Test America Laboratories Inc	Site ID #:102	TRONOX LLC. HENDERSON	Send Invoice to:	Susan Crowley Tronox LLC.
Address:	880 Riverside Parkway	Project #	2027.07	Address:	PO Box 55
	West Sacramento, CA 95605	Site Address	560 W Lake Mead Pkwy	City/State	Henderson, NV 89009; Phone #: (949) 290-5293
Lab PM:	David Alltucher	City	Henderson; State, Zip: NV, 89015	PO #	
Phone/Fax:	(916) 373-5600	Site PM Name	Ted Splitter	Send EDD to	Frank.Hagar@ngem.com
Lab PM email	David.Alltucher@testamericainc.com	Phone/Fax:	(510) 435-4609	CC Hardcopy report to	PDF Electronic Version Only -- FTP Upload
Applicable Lab Quote #:		Site PM Email:	Ted.Splitter@ngem.com	CC Hardcopy report to	See Additional Comments Below

Turnaround: Regular | Rush | 5 day | Mark One

Filtered / Preservative

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. Volume (m^3)	TO-9A/Diox-fins, Furans	TO-13A/8270C/HCB	TSP	6020/As/Mn/ICPMS
[redacted]	UW-12012010B		AA			12/1/2010	~~6:44 PM~~	1	17:51 ~~930.00~~ RB 938.53			X	X
	UW-12012010B		AA			12/1/2010	~~6:43 PM~~	1	times switched 17:53 ~~627.81~~ RB 636.03		X		
	UW-12012010B		AA			12/1/2010	~~6:42 PM~~	1	17:52 ~~848.74~~ RB 605.58	X			
	DW-12012010B		AA			12/1/2010	~~[illegible]~~	1	18:44 ~~988.53~~ RB 930.05			X	X
	DW-12012010B		AA			12/1/2010	~~6:55 PM~~	1	18:43 ~~636.00~~ RB 627.81		X		
	DW-12012010B		AA			12/1/2010	~~6:52 PM~~	1	18:42 ~~666.68~~ RB 648.74	X			
	UW-12022010B		AA			12/2/2010	5:38 PM	1	662.34 (HOLD)		H		
	UW-12022010B		AA			12/2/2010	5:37 PM	1	617.87 (HOLD)	H			
	UW-12022010B		AA			12/2/2010	5:41 PM	1	967.59 (HOLD)			H	H
	DW-12022010B		AA			12/2/2010	6:01 PM	1	647.86 (HOLD)		H		
	DW-12022010B		AA			12/2/2010	6:00 PM	1	662.34 (HOLD)	H			
	DW-12022010B		AA			12/2/2010	6:04 PM	1	963.12 (HOLD)			H	H

Additional Comments/Special Instructions:
3-5 DAY TURN AROUND: Please hold samples marked with an "H" until contacted by David Behnken.

Relinquished: Ronda S. Bailey (signature) Time: 1500

Sample Receipt Conditions				
Temp in DC	Samples on Ice?	Sample Intact?	Trip Blank?
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

PRINT Name of SAMPLER: Ronda Bailey
SIGNATURE of SAMPLER: (signature) DATE Signed: 12/3/10 1500
Time:

Corrections to COC based on Labels & Field forms made 12-6-10 by Ronda S. Bailey

Alltucker, David

From: David Behnken [david.behnken@ngem.com]
Sent: Monday, December 06, 2010 4:30 PM
To: Alltucker, David
Subject: FW: COC #19

Hello David,

We would like to take the samples indicated below off of hold for analysis.

Best Regards,
David

David T. Behnken
Senior Project Engineer

Northgate Environmental Management, Inc.
300 Frank H. Ogawa Plaza, Suite 510, Oakland, CA 94612
general (510) 839-0688; fax (510) 839-4350
cell: (510) 506-0513
e-mail: david.behnken@ngem.com
http://www.ngem.com

From: Ronda [mailto:msbailey_r@yahoo.com]
Sent: Monday, December 06, 2010 4:22 PM
To: David Behnken
Subject: COC #19

David:

We need to take samples UW-12022010B & DW-12022010B off "HOLD". These 2 samples only from 12/02/2010 need to be anayzed for Dioxins (TO-9A).

Thanks,
Ronda

TestAmerica

411111 THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT Northgate PM DA LOG # 85417

LOT# (QUANTIMS ID) G0L040465 QUOTE# 84087 LOCATION WIEAC

Checked (✓)

DATE RECEIVED 12-4-10 TIME RECEIVED 900 ☑

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) 843627, 843628

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

COC #(S) 2027.07.0019 ☑

TEMPERATURE BLANK Observed: NA Corrected:

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

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

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☐ #5 ☐ ☐ OTHER ☑

AV 12-4-10

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

AV 12-4-10

Initials Date

Notes UW-120120103 labeled DW-120120103

DW - " " UW "

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0L040465

	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	1	1	1	1																
PUF					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

AIR, TO-13, Semivolatile Organics

Northgate Environmental Management, Inc.

Sample ID: DW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 005	**Work Order #....:**	MAWE21AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/06/10	**Analysis Date....:**	12/09/10	**Volume....:**	627.81
Prep Batch # ....:	0340362	**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	**0.0024**	**J**	**0.016**	**0.0021**	**ug/m3**

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	58	*	60 - 120
2-Fluorobiphenyl	76		58 - 105
2-Fluorophenol	57		41 - 105
Nitrobenzene-d5	67		46 - 118
Phenol-d5	68		43 - 122
Terphenyl-d14	93		69 - 110
2,4,6-Tribromophenol	95		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: UW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 006	**Work Order #....:**	MAWE61AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/06/10	**Analysis Date....:**	12/09/10	**Volume....:**	636.43
Prep Batch # ....:	0340362	**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	0.016	0.0020	ug/m3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	70	60 - 120
2-Fluorobiphenyl	80	58 - 105
2-Fluorophenol	63	41 - 105
Nitrobenzene-d5	76	46 - 118
Phenol-d5	77	43 - 122
Terphenyl-d14	91	69 - 110
2,4,6-Tribromophenol	98	61 - 118

QUALIFIERS

QC DATA ASSOCIATION SUMMARY

G0L040465

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	CFR50B APDX B		0343311	
	AA	SW846 6020		0342298	
002	AA	CFR50B APDX B		0343311	
	AA	SW846 6020		0342298	
005	AA	EPA-2 TO-13		0340362	
006	AA	EPA-2 TO-13		0340362	
009	AA	EPA-2 TO-9		0340361	
010	AA	EPA-2 TO-9		0340361	
011	AA	EPA-2 TO-9		0343325	
012	AA	EPA-2 TO-9		0343325	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L060000 - 362B	**Work Order #....:**	MAXT91AA	**Matrix....:**	AIR
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/06/10	**Analysis Date....:**	12/09/10	**Volume....:**	0
Prep Batch # ....:	0340362	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	64	60 - 120
2-Fluorobiphenyl	73	58 - 105
2-Fluorophenol	64	41 - 105
Nitrobenzene-d5	71	46 - 118
Phenol-d5	67	43 - 122
Terphenyl-d14	89	69 - 110
2,4,6-Tribromophenol	93	61 - 118

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0L040465	**Work Order # ...:**	MAXT91AC-LCS MAXT91AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0L060000 - 362				
Prep Date .....:	12/06/10	**Analysis Date ..:**	12/09/10		
Prep Batch # ...:	0340362				
Dilution Factor :	1				
Analyst ID.....:	Kenny Q. Truong	**Instrument ID..:**	5MH	**Method.....:**	EPA-2 TO-13
Initial Wgt/Vol:	1 Sample				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Hexachlorobenzene	**100**	**93.7**	**ug**	**94**	**(70 - 110)**		
	100	**99.7**	**ug**	**100**	**(70 - 110)**	**6.2**	**(0 - 30)**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	90	(58 - 105)
	91	(58 - 105)
2-Fluorophenol	73	(41 - 105)
	79	(41 - 105)
Nitrobenzene-d5	85	(46 - 118)
	87	(46 - 118)
Phenol-d5	78	(43 - 122)
	84	(43 - 122)
Terphenyl-d14	89	(69 - 110)
	93	(69 - 110)
2,4,6-Tribromophenol	99	(61 - 118)
	104	(61 - 118)

Notes:

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

Bold print denotes control parameters

AIR, TO-9, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: DW-12012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 009	**Work Order #....:**	MAWFA1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Instrument ID....:**	9D5
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	648.74
Prep Batch # ....:	0340361	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Sonia Ouni		

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	**2.2**	**J Q**	**100**	**0.1**	**0.00034**
1,2,3,6,7,8-HxCDD	**4.3**	**J Q**	**100**	**0.1**	**0.00066**
1,2,3,7,8,9-HxCDD	**3.9**	**J Q**	**100**	**0.1**	**0.00060**
Total HxCDD	**22**		**100**		
1,2,3,4,6,7,8-HpCDD	**13**	**J B**	**100**	**0.01**	**0.00020**
Total HpCDD	**21**		**100**		
OCDD	**30**	**J B**	**200**	**0.0003**	**0.000014**
2,3,7,8-TCDF	**11**	**J CON**	**20**	**0.1**	**0.0017**
Total TCDF	**55**		**20**		
1,2,3,7,8-PeCDF	**16**	**J Q**	**100**	**0.03**	**0.00074**
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	**78**		**100**		
1,2,3,4,7,8-HxCDF	**35**	**J**	**100**	**0.1**	**0.0054**
1,2,3,6,7,8-HxCDF	**30**	**J**	**100**	**0.1**	**0.0046**
2,3,4,6,7,8-HxCDF	**9.5**	**J Q**	**100**	**0.1**	**0.0015**
1,2,3,7,8,9-HxCDF	**7.9**	**J**	**100**	**0.1**	**0.0012**
Total HxCDF	**180**		**100**		
1,2,3,4,6,7,8-HpCDF	**91**	**Q J**	**100**	**0.01**	**0.0014**
1,2,3,4,7,8,9-HpCDF	**36**	**J**	**100**	**0.01**	**0.00055**
Total HpCDF	**180**		**100**		
OCDF	**250**		**200**	**0.0003**	**0.00012**
Total TEQ Concentration					**0.019**

Northgate Environmental Management, Inc.

Sample ID: DW-12012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 009	**Work Order #....:**	MAWFA1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Instrument ID....:**	9D5
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	648.74
Prep Batch # ....:	0340361	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Sonia Ouni		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	92	50 - 120
13C-1,2,3,6,7,8-HxCDD	98	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 120
13C-OCDD	95	40 - 120
13C-2,3,7,8-TCDF	88	50 - 120
13C-1,2,3,7,8-PeCDF	90	50 - 120
13C-1,2,3,4,7,8-HxCDF	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	99	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	92	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-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 009	**Work Order #....:**	MAWFA1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	648.74
Prep Batch # ....:	0340361	**Instrument ID....:**	9D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.031	0.0066	pg/m3
Total TCDD	ND		0.031	0.0066	pg/m3
1,2,3,7,8-PeCDD	ND		0.15	0.0074	pg/m3
Total PeCDD	ND		0.15	0.0074	pg/m3
1,2,3,4,7,8-HxCDD	**0.0034**	**J Q**	**0.15**	**0.0028**	**pg/m3**
1,2,3,6,7,8-HxCDD	**0.0066**	**J Q**	**0.15**	**0.0026**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0060**	**J Q**	**0.15**	**0.0026**	**pg/m3**
Total HxCDD	**0.034**		**0.15**	**0.0026**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.019**	**J B**	**0.15**	**0.0025**	**pg/m3**
Total HpCDD	**0.033**		**0.15**	**0.0025**	**pg/m3**
OCDD	**0.047**	**J B**	**0.31**	**0.0051**	**pg/m3**
2,3,7,8-TCDF	**0.017**	**J CON**	**0.031**	**0.0063**	**pg/m3**
Total TCDF	**0.085**		**0.031**	**0.018**	**pg/m3**
1,2,3,7,8-PeCDF	**0.024**	**J Q**	**0.15**	**0.013**	**pg/m3**
2,3,4,7,8-PeCDF	ND		0.15	0.013	pg/m3
Total PeCDF	**0.12**		**0.15**	**0.013**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.054**	**J**	**0.15**	**0.0077**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.046**	**J**	**0.15**	**0.0074**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.015**	**J Q**	**0.15**	**0.0079**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.012**	**J**	**0.15**	**0.0086**	**pg/m3**
Total HxCDF	**0.28**		**0.15**	**0.0079**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.14**	**Q J**	**0.15**	**0.0048**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.056**	**J**	**0.15**	**0.0055**	**pg/m3**
Total HpCDF	**0.28**		**0.15**	**0.0052**	**pg/m3**
OCDF	**0.38**		**0.31**	**0.0042**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	92	50 - 120
13C-1,2,3,6,7,8-HxCDD	98	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 120
13C-OCDD	95	40 - 120
13C-2,3,7,8-TCDF	88	50 - 120
13C-1,2,3,7,8-PeCDF	90	50 - 120
13C-1,2,3,4,7,8-HxCDF	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	99	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	92	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 009	**Work Order #....:**	MAWFA1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	648.74
Prep Batch # ....:	0340361	**Instrument ID....:**	9D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Sonia Ouni		

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-12012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 010	**Work Order #....:**	MAWFD1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Instrument ID....:**	9D5
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	605.88
Prep Batch # ....:	0340361	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Sonia Ouni		

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	**2.7**	**J**	**100**	**0.1**	**0.00045**
1,2,3,7,8,9-HxCDD	**4.1**	**J**	**100**	**0.1**	**0.00068**
Total HxCDD	**14**		**100**		
1,2,3,4,6,7,8-HpCDD	**13**	**J B**	**100**	**0.01**	**0.00021**
Total HpCDD	**24**		**100**		
OCDD	**51**	**J B**	**200**	**0.0003**	**0.000025**
2,3,7,8-TCDF	ND		20	0.1	0
Total TCDF	ND		20		0
1,2,3,7,8-PeCDF	ND		100	0.03	0
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	**13**		**100**		
1,2,3,4,7,8-HxCDF	**17**	**J**	**100**	**0.1**	**0.0028**
1,2,3,6,7,8-HxCDF	**11**	**J**	**100**	**0.1**	**0.0018**
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	**52**		**100**		
1,2,3,4,6,7,8-HpCDF	**38**	**J Q**	**100**	**0.01**	**0.00063**
1,2,3,4,7,8,9-HpCDF	**14**	**J**	**100**	**0.01**	**0.00023**
Total HpCDF	**72**		**100**		
OCDF	**100**	**J**	**200**	**0.0003**	**0.000050**
Total TEQ Concentration					**0.0069**

Northgate Environmental Management, Inc.

Sample ID: UW-12012010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 010	**Work Order #....:**	MAWFD1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Instrument ID....:**	9D5
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	605.88
Prep Batch # ....:	0340361	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Sonia Ouni		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	92	50 - 120
13C-1,2,3,6,7,8-HxCDD	90	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	99	40 - 120
13C-OCDD	92	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	87	50 - 120
13C-1,2,3,4,7,8-HxCDF	89	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	91	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-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 010	**Work Order #....:**	MAWFD1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	605.88
Prep Batch # ....:	0340361	**Instrument ID....:**	9D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.033	0.0074	pg/m3
Total TCDD	ND		0.033	0.0074	pg/m3
1,2,3,7,8-PeCDD	ND		0.17	0.0076	pg/m3
Total PeCDD	ND		0.17	0.0076	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.17	0.0035	pg/m3
1,2,3,6,7,8-HxCDD	**0.0045**	**J**	**0.17**	**0.0035**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0067**	**J**	**0.17**	**0.0033**	**pg/m3**
Total HxCDD	**0.022**		**0.17**	**0.0035**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.022**	**J B**	**0.17**	**0.0020**	**pg/m3**
Total HpCDD	**0.040**		**0.17**	**0.0020**	**pg/m3**
OCDD	**0.084**	**J B**	**0.33**	**0.0053**	**pg/m3**
2,3,7,8-TCDF	ND		0.033	0.020	pg/m3
Total TCDF	ND		0.033	0.020	pg/m3
1,2,3,7,8-PeCDF	ND		0.17	0.012	pg/m3
2,3,4,7,8-PeCDF	ND		0.17	0.012	pg/m3
Total PeCDF	**0.022**		**0.17**	**0.012**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.029**	**J**	**0.17**	**0.0089**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.018**	**J**	**0.17**	**0.0086**	**pg/m3**
2,3,4,6,7,8-HxCDF	ND		0.17	0.0091	pg/m3
1,2,3,7,8,9-HxCDF	ND		0.17	0.010	pg/m3
Total HxCDF	**0.085**		**0.17**	**0.0091**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.062**	**J Q**	**0.17**	**0.0041**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.023**	**J**	**0.17**	**0.0048**	**pg/m3**
Total HpCDF	**0.12**		**0.17**	**0.0045**	**pg/m3**
OCDF	**0.17**	**J**	**0.33**	**0.0041**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	92	50 - 120
13C-1,2,3,6,7,8-HxCDD	90	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	99	40 - 120
13C-OCDD	92	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	87	50 - 120
13C-1,2,3,4,7,8-HxCDF	89	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	91	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 010	**Work Order #....:**	MAWFD1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	605.88
Prep Batch # ....:	0340361	**Instrument ID....:**	9D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Sonia Ouni		

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-12022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 011	**Work Order #....:**	MAWFF1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Instrument ID....:**	10D5
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	617.87
Prep Batch # ....:	0343325	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

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	**1.3**	**J Q**	**100**	**0.1**	**0.00021**
1,2,3,6,7,8-HxCDD	**0.97**	**J Q**	**100**	**0.1**	**0.00016**
1,2,3,7,8,9-HxCDD	**3.0**	**J Q**	**100**	**0.1**	**0.00049**
Total HxCDD	**12**		**100**		
1,2,3,4,6,7,8-HpCDD	**13**	**J Q B**	**100**	**0.01**	**0.00021**
Total HpCDD	**29**		**100**		
OCDD	**53**	**J B**	**200**	**0.0003**	**0.000026**
2,3,7,8-TCDF	**10**	**J**	**20**	**0.1**	**0.0016**
Total TCDF	**41**		**20**		
1,2,3,7,8-PeCDF	ND		100	0.03	0
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	**20**		**100**		
1,2,3,4,7,8-HxCDF	**14**	**J**	**100**	**0.1**	**0.0023**
1,2,3,6,7,8-HxCDF	**7.3**	**J Q**	**100**	**0.1**	**0.0012**
2,3,4,6,7,8-HxCDF	**3.1**	**J Q**	**100**	**0.1**	**0.00050**
1,2,3,7,8,9-HxCDF	**2.2**	**J**	**100**	**0.1**	**0.00036**
Total HxCDF	**53**		**100**		
1,2,3,4,6,7,8-HpCDF	**31**	**J Q B**	**100**	**0.01**	**0.00050**
1,2,3,4,7,8,9-HpCDF	**10**	**J Q**	**100**	**0.01**	**0.00016**
Total HpCDF	**59**		**100**		
OCDF	**88**	**J**	**200**	**0.0003**	**0.000043**
Total TEQ Concentration					**0.0078**

Northgate Environmental Management, Inc.

Sample ID: UW-12022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 011	**Work Order #....:**	MAWFF1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Instrument ID....:**	10D5
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	617.87
Prep Batch # ....:	0343325	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	50 - 120
13C-1,2,3,7,8-PeCDD	86	50 - 120
13C-1,2,3,6,7,8-HxCDD	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	93	40 - 120
13C-OCDD	88	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	86	50 - 120
13C-1,2,3,4,7,8-HxCDF	96	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	100	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-12022010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 011	**Work Order #....:**	MAWFF1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	617.87
Prep Batch # ....:	0343325	**Instrument ID....:**	10D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.032	0.0024	pg/m3
Total TCDD	ND		0.032	0.0024	pg/m3
1,2,3,7,8-PeCDD	ND		0.16	0.0045	pg/m3
Total PeCDD	ND		0.16	0.0045	pg/m3
1,2,3,4,7,8-HxCDD	**0.0021**	**J Q**	**0.16**	**0.0016**	**pg/m3**
1,2,3,6,7,8-HxCDD	**0.0016**	**J Q**	**0.16**	**0.0015**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0049**	**J Q**	**0.16**	**0.0016**	**pg/m3**
Total HxCDD	**0.020**		**0.16**	**0.0016**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.020**	**J Q B**	**0.16**	**0.0021**	**pg/m3**
Total HpCDD	**0.047**		**0.16**	**0.0021**	**pg/m3**
OCDD	**0.086**	**J B**	**0.32**	**0.0024**	**pg/m3**
2,3,7,8-TCDF	**0.016**	**J**	**0.032**	**0.0018**	**pg/m3**
Total TCDF	**0.067**		**0.032**	**0.0018**	**pg/m3**
1,2,3,7,8-PeCDF	ND		0.16	0.0045	pg/m3
2,3,4,7,8-PeCDF	ND		0.16	0.0047	pg/m3
Total PeCDF	**0.032**		**0.16**	**0.0045**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.023**	**J**	**0.16**	**0.0015**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.012**	**J Q**	**0.16**	**0.0014**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0051**	**J Q**	**0.16**	**0.0015**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0035**	**J**	**0.16**	**0.0016**	**pg/m3**
Total HxCDF	**0.085**		**0.16**	**0.0015**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.051**	**J Q B**	**0.16**	**0.0018**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.016**	**J Q**	**0.16**	**0.0021**	**pg/m3**
Total HpCDF	**0.096**		**0.16**	**0.0019**	**pg/m3**
OCDF	**0.14**	**J**	**0.32**	**0.0024**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	50 - 120
13C-1,2,3,7,8-PeCDD	86	50 - 120
13C-1,2,3,6,7,8-HxCDD	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	93	40 - 120
13C-OCDD	88	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	86	50 - 120
13C-1,2,3,4,7,8-HxCDF	96	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	100	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-12022010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 011	**Work Order #....:**	MAWFF1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	617.87
Prep Batch # ....:	0343325	**Instrument ID....:**	10D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

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-12022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 012	**Work Order #....:**	MAWFG1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Instrument ID....:**	10D5
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	662.34
Prep Batch # ....:	0343325	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

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	**1.5**	**J Q**	**100**	**0.1**	**0.00023**
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	**7.2**		**100**		
1,2,3,4,6,7,8-HpCDD	**11**	**J B**	**100**	**0.01**	**0.00017**
Total HpCDD	**26**		**100**		
OCDD	**34**	**J Q B**	**200**	**0.0003**	**0.000015**
2,3,7,8-TCDF	**16**	**J**	**20**	**0.1**	**0.0024**
Total TCDF	**77**		**20**		
1,2,3,7,8-PeCDF	**8.3**	**J**	**100**	**0.03**	**0.00038**
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	**44**		**100**		
1,2,3,4,7,8-HxCDF	**26**	**J**	**100**	**0.1**	**0.0039**
1,2,3,6,7,8-HxCDF	**15**	**J**	**100**	**0.1**	**0.0023**
2,3,4,6,7,8-HxCDF	**3.5**	**J Q**	**100**	**0.1**	**0.00053**
1,2,3,7,8,9-HxCDF	**2.1**	**J**	**100**	**0.1**	**0.00032**
Total HxCDF	**110**		**100**		
1,2,3,4,6,7,8-HpCDF	**54**	**Q J B**	**100**	**0.01**	**0.00082**
1,2,3,4,7,8,9-HpCDF	**18**	**J**	**100**	**0.01**	**0.00027**
Total HpCDF	**100**		**100**		
OCDF	**150**	**J**	**200**	**0.0003**	**0.000068**
Total TEQ Concentration					**0.011**

Northgate Environmental Management, Inc.

Sample ID: DW-12022010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L040465 - 012	**Work Order #....:**	MAWFG1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Instrument ID....:**	10D5
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	662.34
Prep Batch # ....:	0343325	**Dilution Factor....:**	2	**Units.....:**	pg/m3
Initial Wgt/Vol :	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	101	50 - 120
13C-1,2,3,7,8-PeCDD	88	50 - 120
13C-1,2,3,6,7,8-HxCDD	102	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	96	50 - 120
13C-1,2,3,7,8-PeCDF	86	50 - 120
13C-1,2,3,4,7,8-HxCDF	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	96	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	99	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-12022010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 012	**Work Order #....:**	MAWFG1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	662.34
Prep Batch # ....:	0343325	**Instrument ID....:**	10D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.030	0.0024	pg/m3
Total TCDD	ND		0.030	0.0024	pg/m3
1,2,3,7,8-PeCDD	ND		0.15	0.0039	pg/m3
Total PeCDD	ND		0.15	0.0039	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.15	0.0020	pg/m3
1,2,3,6,7,8-HxCDD	**0.0023**	**J Q**	**0.15**	**0.0018**	**pg/m3**
1,2,3,7,8,9-HxCDD	ND		0.15	0.0018	pg/m3
Total HxCDD	**0.011**		**0.15**	**0.0018**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.017**	**J B**	**0.15**	**0.0020**	**pg/m3**
Total HpCDD	**0.039**		**0.15**	**0.0020**	**pg/m3**
OCDD	**0.052**	**J Q B**	**0.30**	**0.0026**	**pg/m3**
2,3,7,8-TCDF	**0.023**	**J**	**0.030**	**0.0020**	**pg/m3**
Total TCDF	**0.12**		**0.030**	**0.0020**	**pg/m3**
1,2,3,7,8-PeCDF	**0.013**	**J**	**0.15**	**0.0041**	**pg/m3**
2,3,4,7,8-PeCDF	ND		0.15	0.0042	pg/m3
Total PeCDF	**0.066**		**0.15**	**0.0042**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.040**	**J**	**0.15**	**0.0014**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.023**	**J**	**0.15**	**0.0013**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0053**	**J Q**	**0.15**	**0.0014**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0031**	**J**	**0.15**	**0.0015**	**pg/m3**
Total HxCDF	**0.16**		**0.15**	**0.0014**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.081**	**Q J B**	**0.15**	**0.0018**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.028**	**J**	**0.15**	**0.0021**	**pg/m3**
Total HpCDF	**0.15**		**0.15**	**0.0020**	**pg/m3**
OCDF	**0.23**	**J**	**0.30**	**0.0026**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	101	50 - 120
13C-1,2,3,7,8-PeCDD	88	50 - 120
13C-1,2,3,6,7,8-HxCDD	102	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	96	50 - 120
13C-1,2,3,7,8-PeCDF	86	50 - 120
13C-1,2,3,4,7,8-HxCDF	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	96	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	99	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-12022010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 012	**Work Order #....:**	MAWFG1AC	**Matrix....:**	AA
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	662.34
Prep Batch # ....:	0343325	**Instrument ID....:**	10D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

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).

QC DATA ASSOCIATION SUMMARY

G0L040465

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	CFR50B APDX B		0343311	
	AA	SW846 6020		0342298	
002	AA	CFR50B APDX B		0343311	
	AA	SW846 6020		0342298	
005	AA	EPA-2 TO-13		0340362	
006	AA	EPA-2 TO-13		0340362	
009	AA	EPA-2 TO-9		0340361	
010	AA	EPA-2 TO-9		0340361	
011	AA	EPA-2 TO-9		0343325	
012	AA	EPA-2 TO-9		0343325	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L060000 - 361B	**Work Order #....:**	MAXT51AA	**Matrix....:**	AIR
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	0
Prep Batch # ....:	0340361	**Instrument ID....:**	9D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		20	3.2	pg
Total TCDD	ND		20	3.2	pg
1,2,3,7,8-PeCDD	ND		100	3.9	pg
Total PeCDD	ND		100	3.9	pg
1,2,3,4,7,8-HxCDD	ND		100	1.9	pg
1,2,3,6,7,8-HxCDD	ND		100	1.8	pg
1,2,3,7,8,9-HxCDD	ND		100	1.7	pg
Total HxCDD	**6.2**		**100**	**1.8**	**pg**
1,2,3,4,6,7,8-HpCDD	**3.0**	**J Q**	**100**	**1.0**	**pg**
Total HpCDD	**5.8**		**100**	**1.0**	**pg**
OCDD	**8.7**	**J**	**200**	**3.1**	**pg**
2,3,7,8-TCDF	ND		20	7.4	pg
Total TCDF	ND		20	7.4	pg
1,2,3,7,8-PeCDF	ND		100	5.4	pg
2,3,4,7,8-PeCDF	ND		100	5.6	pg
Total PeCDF	ND		100	5.9	pg
1,2,3,4,7,8-HxCDF	ND		100	3.6	pg
1,2,3,6,7,8-HxCDF	ND		100	3.4	pg
2,3,4,6,7,8-HxCDF	ND		100	3.7	pg
1,2,3,7,8,9-HxCDF	ND		100	4.0	pg
Total HxCDF	ND		100	4.0	pg
1,2,3,4,6,7,8-HpCDF	ND		100	2.0	pg
1,2,3,4,7,8,9-HpCDF	ND		100	2.3	pg
Total HpCDF	ND		100	2.3	pg
OCDF	ND		200	2.5	pg

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	50 - 120
13C-1,2,3,7,8-PeCDD	93	50 - 120
13C-1,2,3,6,7,8-HxCDD	90	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	102	40 - 120
13C-OCDD	94	40 - 120
13C-2,3,7,8-TCDF	91	50 - 120
13C-1,2,3,7,8-PeCDF	91	50 - 120
13C-1,2,3,4,7,8-HxCDF	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	100	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	93	50 - 120

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L060000 - 361B	**Work Order #....:**	MAXT51AA	**Matrix....:**	AIR
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/06/10	**Analysis Date....:**	12/14/10	**Volume....:**	0
Prep Batch # ....:	0340361	**Instrument ID....:**	9D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Sonia Ouni		

QUALIFIERS

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L090000 - 325B	**Work Order #....:**	MA45N1AA	**Matrix.....:**	AIR
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/09/10	**Analysis Date.....:**	12/11/10	**Volume....:**	0
Prep Batch # ....:	0343325	**Instrument ID....:**	10D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		20	1.6	pg
Total TCDD	ND		20	1.6	pg
1,2,3,7,8-PeCDD	ND		100	2.2	pg
Total PeCDD	ND		100	2.2	pg
1,2,3,4,7,8-HxCDD	ND		100	1.6	pg
1,2,3,6,7,8-HxCDD	ND		100	1.5	pg
1,2,3,7,8,9-HxCDD	ND		100	1.5	pg
Total HxCDD	ND		100	1.6	pg
1,2,3,4,6,7,8-HpCDD	**1.9**	**J Q**	**100**	**1.3**	**pg**
Total HpCDD	**1.9**		**100**	**1.3**	**pg**
OCDD	**6.5**	**J**	**200**	**1.5**	**pg**
2,3,7,8-TCDF	ND		20	1.3	pg
Total TCDF	ND		20	1.3	pg
1,2,3,7,8-PeCDF	ND		100	1.8	pg
2,3,4,7,8-PeCDF	ND		100	1.8	pg
Total PeCDF	ND		100	2.0	pg
1,2,3,4,7,8-HxCDF	ND		100	1.0	pg
1,2,3,6,7,8-HxCDF	ND		100	0.95	pg
2,3,4,6,7,8-HxCDF	ND		100	1.0	pg
1,2,3,7,8,9-HxCDF	ND		100	1.1	pg
Total HxCDF	ND		100	1.1	pg
1,2,3,4,6,7,8-HpCDF	**1.5**	**J Q**	**100**	**0.90**	**pg**
1,2,3,4,7,8,9-HpCDF	ND		100	1.1	pg
Total HpCDF	**1.5**		**100**	**0.97**	**pg**
OCDF	ND		200	1.5	pg

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	99	50 - 120
13C-1,2,3,7,8-PeCDD	89	50 - 120
13C-1,2,3,6,7,8-HxCDD	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	95	50 - 120
13C-1,2,3,7,8-PeCDF	88	50 - 120
13C-1,2,3,4,7,8-HxCDF	96	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 120

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

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L090000 - 325B	**Work Order #....:**	MA45N1AA	**Matrix....:**	AIR
Date Sampled....:	12/02/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	2
Prep Date....:	12/09/10	**Analysis Date....:**	12/11/10	**Volume....:**	0
Prep Batch # ....:	0343325	**Instrument ID....:**	10D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	0.5 Sample	**Analyst ID....:**	Sonia Ouni		

QUALIFIERS

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0L040465	**Work Order # ...:**	MAXT51AC-LCS MAXT51AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0L060000 - 361				
Prep Date .....:	12/06/10	**Analysis Date ..:**	12/14/10		
Prep Batch # ...:	0340361				
Dilution Factor :	2				
Analyst ID.....:	Sonia Ouni	**Instrument ID..:**	9D5	**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**	**408**	**pg**	**102**	**(70 - 130)**		
	400	**404**	**pg**	**101**	**(70 - 130)**	**1.2**	**(0 - 30)**
1,2,3,7,8-PeCDD	**2000**	**2090**	**pg**	**105**	**(70 - 130)**		
	2000	**2070**	**pg**	**104**	**(70 - 130)**	**1.1**	**(0 - 30)**
1,2,3,4,7,8-HxCDD	**2000**	**2160**	**pg**	**108**	**(70 - 130)**		
	2000	**1970**	**pg**	**99**	**(70 - 130)**	**9.0**	**(0 - 30)**
1,2,3,6,7,8-HxCDD	**2000**	**2090**	**pg**	**104**	**(70 - 130)**		
	2000	**2080**	**pg**	**104**	**(70 - 130)**	**0.61**	**(0 - 30)**
1,2,3,7,8,9-HxCDD	**2000**	**2160**	**pg**	**108**	**(70 - 130)**		
	2000	**2150**	**pg**	**108**	**(70 - 130)**	**0.25**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDD	**2000**	**2050**	**pg**	**103**	**(70 - 130)**		
	2000	**2110**	**pg**	**106**	**(70 - 130)**	**2.9**	**(0 - 30)**
OCDD	**4000**	**4330**	**pg**	**108**	**(70 - 130)**		
	4000	**4360**	**pg**	**109**	**(70 - 130)**	**0.67**	**(0 - 30)**
2,3,7,8-TCDF	**400**	**430**	**pg**	**107**	**(70 - 130)**		
	400	**426**	**pg**	**107**	**(70 - 130)**	**0.75**	**(0 - 30)**
1,2,3,7,8-PeCDF	**2000**	**2100**	**pg**	**105**	**(70 - 130)**		
	2000	**2110**	**pg**	**106**	**(70 - 130)**	**0.64**	**(0 - 30)**
2,3,4,7,8-PeCDF	**2000**	**2090**	**pg**	**105**	**(70 - 130)**		
	2000	**2120**	**pg**	**106**	**(70 - 130)**	**1.3**	**(0 - 30)**
1,2,3,4,7,8-HxCDF	**2000**	**2120**	**pg**	**106**	**(70 - 130)**		
	2000	**2150**	**pg**	**107**	**(70 - 130)**	**1.0**	**(0 - 30)**
1,2,3,6,7,8-HxCDF	**2000**	**2270**	**pg**	**114**	**(70 - 130)**		
	2000	**2170**	**pg**	**109**	**(70 - 130)**	**4.6**	**(0 - 30)**
2,3,4,6,7,8-HxCDF	**2000**	**2250**	**pg**	**112**	**(70 - 130)**		
	2000	**2250**	**pg**	**113**	**(70 - 130)**	**0.17**	**(0 - 30)**
1,2,3,7,8,9-HxCDF	**2000**	**2240**	**pg**	**112**	**(70 - 130)**		
	2000	**2280**	**pg**	**114**	**(70 - 130)**	**1.6**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDF	**2000**	**2060**	**pg**	**103**	**(70 - 130)**		
	2000	**2090**	**pg**	**104**	**(70 - 130)**	**1.2**	**(0 - 30)**
1,2,3,4,7,8,9-HpCDF	**2000**	**2070**	**pg**	**104**	**(70 - 130)**		
	2000	**2140**	**pg**	**107**	**(70 - 130)**	**3.4**	**(0 - 30)**
OCDF	**4000**	**4280**	**pg**	**107**	**(70 - 130)**		
	4000	**4350**	**pg**	**109**	**(70 - 130)**	**1.7**	**(0 - 30)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	96	(50 - 120)
	94	(50 - 120)
13C-1,2,3,7,8-PeCDD	94	(50 - 120)
	97	(50 - 120)
13C-1,2,3,6,7,8-HxCDD	92	(50 - 120)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0L040465 **Work Order # ...:** MAXT51AC-LCS **Matrix .....:** AIR
LCS Lot-Sample# : G0L060000 - 361 MAXT51AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
	94	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	100	(40 - 120)
	101	(40 - 120)
13C-OCDD	94	(40 - 120)
	96	(40 - 120)
13C-2,3,7,8-TCDF	92	(50 - 120)
	90	(50 - 120)
13C-1,2,3,7,8-PeCDF	93	(50 - 120)
	90	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	88	(50 - 120)
	87	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	98	(40 - 120)
	97	(40 - 120)

Notes:

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0L040465	**Work Order # ...:**	MA45N1AC-LCS MA45N1AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0L090000 - 325				
Prep Date .....:	12/09/10	**Analysis Date ..:**	12/11/10		
Prep Batch # ...:	0343325				
Dilution Factor :	2				
Analyst ID.....:	Sonia Ouni	**Instrument ID..:**	10D5	**Method.....:**	EPA-2 TO-9
Initial Wgt/Vol:	0.5 Sample				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	**400**	**381**	**pg**	**95**	**(70 - 130)**		
	400	**404**	**pg**	**101**	**(70 - 130)**	**5.9**	**(0 - 30)**
1,2,3,7,8-PeCDD	**2000**	**1860**	**pg**	**93**	**(70 - 130)**		
	2000	**1980**	**pg**	**99**	**(70 - 130)**	**6.4**	**(0 - 30)**
1,2,3,4,7,8-HxCDD	**2000**	**1910**	**pg**	**95**	**(70 - 130)**		
	2000	**1810**	**pg**	**90**	**(70 - 130)**	**5.4**	**(0 - 30)**
1,2,3,6,7,8-HxCDD	**2000**	**1890**	**pg**	**95**	**(70 - 130)**		
	2000	**2020**	**pg**	**101**	**(70 - 130)**	**6.3**	**(0 - 30)**
1,2,3,7,8,9-HxCDD	**2000**	**1930**	**pg**	**97**	**(70 - 130)**		
	2000	**1880**	**pg**	**94**	**(70 - 130)**	**2.7**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDD	**2000**	**1970**	**pg**	**98**	**(70 - 130)**		
	2000	**1960**	**pg**	**98**	**(70 - 130)**	**0.66**	**(0 - 30)**
OCDD	**4000**	**3920**	**pg**	**98**	**(70 - 130)**		
	4000	**4080**	**pg**	**102**	**(70 - 130)**	**4.0**	**(0 - 30)**
2,3,7,8-TCDF	**400**	**382**	**pg**	**96**	**(70 - 130)**		
	400	**402**	**pg**	**101**	**(70 - 130)**	**5.1**	**(0 - 30)**
1,2,3,7,8-PeCDF	**2000**	**1880**	**pg**	**94**	**(70 - 130)**		
	2000	**2010**	**pg**	**100**	**(70 - 130)**	**6.3**	**(0 - 30)**
2,3,4,7,8-PeCDF	**2000**	**1880**	**pg**	**94**	**(70 - 130)**		
	2000	**2000**	**pg**	**100**	**(70 - 130)**	**6.3**	**(0 - 30)**
1,2,3,4,7,8-HxCDF	**2000**	**1980**	**pg**	**99**	**(70 - 130)**		
	2000	**2090**	**pg**	**104**	**(70 - 130)**	**5.6**	**(0 - 30)**
1,2,3,6,7,8-HxCDF	**2000**	**1970**	**pg**	**98**	**(70 - 130)**		
	2000	**2090**	**pg**	**104**	**(70 - 130)**	**5.9**	**(0 - 30)**
2,3,4,6,7,8-HxCDF	**2000**	**2010**	**pg**	**100**	**(70 - 130)**		
	2000	**2080**	**pg**	**104**	**(70 - 130)**	**3.4**	**(0 - 30)**
1,2,3,7,8,9-HxCDF	**2000**	**1910**	**pg**	**95**	**(70 - 130)**		
	2000	**2130**	**pg**	**106**	**(70 - 130)**	**11**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDF	**2000**	**1880**	**pg**	**94**	**(70 - 130)**		
	2000	**1960**	**pg**	**98**	**(70 - 130)**	**4.1**	**(0 - 30)**
1,2,3,4,7,8,9-HpCDF	**2000**	**1810**	**pg**	**91**	**(70 - 130)**		
	2000	**1940**	**pg**	**97**	**(70 - 130)**	**6.8**	**(0 - 30)**
OCDF	**4000**	**3870**	**pg**	**97**	**(70 - 130)**		
	4000	**3990**	**pg**	**100**	**(70 - 130)**	**3.1**	**(0 - 30)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	(50 - 120)
	100	(50 - 120)
13C-1,2,3,7,8-PeCDD	89	(50 - 120)
	89	(50 - 120)
13C-1,2,3,6,7,8-HxCDD	101	(50 - 120)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0L040465 **Work Order # ...:** MA45N1AC-LCS **Matrix .....:** AIR
LCS Lot-Sample# : G0L090000 - 325 MA45N1AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
	111	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 120)
	98	(40 - 120)
13C-OCDD	88	(40 - 120)
	91	(40 - 120)
13C-2,3,7,8-TCDF	96	(50 - 120)
	95	(50 - 120)
13C-1,2,3,7,8-PeCDF	88	(50 - 120)
	88	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	95	(50 - 120)
	99	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	98	(40 - 120)
	101	(40 - 120)

Notes:

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

Bold print denotes control parameters

AIR, Metals by ICPMS (As and Mn)

Northgate Environmental Management, Inc.

Sample ID: DW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 001	**Work Order #....:**	MAWEP1AC	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/08/10	**Analysis Date....:**	12/09/10	**Volume....:**	930.05
Prep Batch # ....:	0342298	**Instrument ID....:**	M02	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	**0.00067**	**B**	**0.0026**	**0.00053**	**ug/m3**
Manganese	**1.47**	**J**	**0.00129**	**0.000183**	**ug/m3**

QUALIFIERS

B Estimated result. Result is less than RL and greater than or equal to the IDL.

J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: UW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 002	**Work Order #....:**	MAWEQ1AC	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/08/10	**Analysis Date....:**	12/09/10	**Volume....:**	938.53
Prep Batch # ....:	0342298	**Instrument ID....:**	M02	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND		0.0026	0.00052	ug/m3
Manganese	**1.59**	**J**	**0.00128**	**0.000181**	**ug/m3**

QUALIFIERS

J Estimated Result.

QC DATA ASSOCIATION SUMMARY

G0L040465

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	SW846 6020		0342298	
002	AA	SW846 6020		0342298	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L080000 - 298B	**Work Order #....:**	MA2EN1AA	**Matrix....:**	AIR
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/08/10	**Analysis Date....:**	12/09/10	**Volume....:**	0
Prep Batch # ....:	0342298	**Instrument ID....:**	M02	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND		2.4	0.49	ug
Manganese	**0.21**	**B**	**1.2**	**0.17**	**ug**

QUALIFIERS

B Estimated result. Result is less than RL and greater than or equal to the IDL.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0L040465	**Work Order # ...:**	MA2EN1AD-LCS MA2EN1AE-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0L080000 - 298				
Prep Date .....:	12/08/10	**Analysis Date ..:**	12/09/10		
Prep Batch # ...:	0342298				
Dilution Factor :	1				
Analyst ID.....:	Sabine Hargrave	**Instrument ID..:**	M02	**Method.....:**	SW846 6020
Initial Wgt/Vol:	0.08333 L				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Arsenic	**240**	**210**	**ug**	**88**	**(86 - 110)**		
	240	**214**	**ug**	**89**	**(86 - 110)**	**1.8**	**(0 - 15)**
Manganese	**240**	**213**	**ug**	**89**	**(88 - 110)**		
	240	**215**	**ug**	**90**	**(88 - 110)**	**0.99**	**(0 - 15)**

Notes:

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

Bold print denotes control parameters

AIR, TSP-
Total Suspended
Particulates

Northgate Environmental Management, Inc.

Sample ID: DW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 001	**Work Order #....:**	MAWEP1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/06/10	**Analysis Date....:**	12/09/10	**Volume....:**	930.05
Prep Batch # ....:	0343311	**Instrument ID....:**	QA-045	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:	0	**Analyst ID....:**	Thep Phomsopha		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000687**	**0.000000538**	**--**	**g/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: UW-12012010B

Trace Level Compounds

Lot - Sample #....:	G0L040465 - 002	**Work Order #....:**	MAWEQ1AA	**Matrix....:**	AA
Date Sampled....:	12/01/10	**Date Received....:**	12/04/10	**Dilution Factor....:**	1
Prep Date....:	12/06/10	**Analysis Date....:**	12/09/10	**Volume....:**	938.53
Prep Batch # ....:	0343311	**Instrument ID....:**	QA-045	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:		**Analyst ID....:**	Thep Phomsopha		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000800**	**0.000000533**	**--**	**g/m3**

QUALIFIERS

QC DATA ASSOCIATION SUMMARY

G0L040465

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	CFR50B APDX B		0343311	
002	AA	CFR50B APDX B		0343311	

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 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 : 120910.B
ICAL Date: See Calib Report
See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
09-DEC-2010	17:09	KT	PRIMER	QC001.D	NA	NA	NA		
09-DEC-2010	17:31	KT	DFTPP 50ug/ml	DFT1209.D	NA	NA	NA		
09-DEC-2010	17:52	KT	HSL_050 ug/ml CS-4	HSL1209.D	NA	NA	NA		
09-DEC-2010	18:55	KT	MAXT91AA G0L060000-362B	S120901.D	1000 Sa	1 mL	1	JZ	
09-DEC-2010	19:19	KT	MAXT91AC G0L060000-362C	S120902.D	1000 Sa	1 mL	1	JZ	
09-DEC-2010	19:44	KT	MAXT91AD G0L060000-362L	S120903.D	1000 Sa	1 mL	1	JZ	
09-DEC-2010	20:08	KT	MAWE21AA G0L040465-5	S120904.D	1000 Sa	1 mL	1	JZ	
09-DEC-2010	20:33	KT	MAWE61AA G0L040465-6	S120905.D	1000 Sa	1 mL	1	JZ	
09-DEC-2010	20:57	KT	MAM121AA G0K30000-277B	S120906.D	1 g	10 mL	1	QL	
09-DEC-2010	21:21	KT	MAM121AC G0K30000-277C	S120907.D	1 g	10 mL	1	QL	
09-DEC-2010	21:46	KT	MAM121AD G0K30000-277L	S120908.D	1 g	10 mL	1	QL	
09-DEC-2010	22:10	KT	MA2DF1AA G0L080000-288B	S120909.D	30 g	1 mL	1	QL	
09-DEC-2010	22:35	KT	MA2DF1AC G0L080000-288C	S120910.D	30 g	1 mL	1	QL	
09-DEC-2010	22:59	KT	MATVV1AA G0L030484-1	S120911.D	29.72 g	1 mL	1	QL	
09-DEC-2010	23:24	KT	MATW51AF G0L030484-3	S120912.D	30.15 g	1 mL	1	QL	low I.S
09-DEC-2010	23:48	KT	MATW81AF G0L030484-5	S120913.D	29.95 g	1 mL	1	QL	
10-DEC-2010	00:13	KT	MATXC1AF G0L030484-7	S120914.D	30.34 g	1 mL	1	QL	
10-DEC-2010	00:37	KT	MATXF1AF G0L030484-9	S120915.D	29.95 g	1 mL	1	QL	
10-DEC-2010	01:01	KT	MATXF1CM G0L030484-9S	S120916.D	29.65 g	1 mL	1	QL	
10-DEC-2010	01:26	KT	MATXF1CN G0L030484-9D	S120917.D	30.05 g	1 mL	1	QL	
10-DEC-2010	01:50	KT	MATXJ1AF G0L030484-11	S120918.D	29.49 g	1 mL	1	QL	low I.S
10-DEC-2010	02:15	KT	MATXM1AF G0L030484-13	S120919.D	29.98 g	1 mL	1	QL	
10-DEC-2010	02:39	KT	MATXT1AF G0L030484-15	S120920.D	30.32 g	1 mL	1	QL	
10-DEC-2010	03:04	KT	MAKLA1AD G0K240631-1 100X	S120921.D	0.95 g	10 mL	100	QL	low I.S
10-DEC-2010	03:28	KT	MAXT91AA G0L060000-362B	S120922.D	1000 Sa	1 mL	1	JZ	Conf. only
10-DEC-2010	03:53	KT	MAWE21AA G0L040465-5	S120923.D	1000 Sa	1 mL	1	JZ	
10-DEC-2010	04:17	KT	MAWE61AA G0L040465-6	S120924.D	1000 Sa	1 mL	1	JZ	
10-DEC-2010	04:42	KT	MA2DF1AC G0L080000-288C	S120925.D	30 g	1 mL	1	QL	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8270C CCV Checklist

Instrument: SV5 _____

ICAL Date: 10/02/10_____ DFTPP ID: DFT1209

Initiator/Date: KT-12/10/10 _____ Standard ID: HSL1209

Reviewer/Date: 12/10/10 NCM #: _____

I: 8270C Criteria

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

II: 8270C SPCC Check

SPCC RRFs must be greater than 0.050

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

III: 8270C CCC Check

CCC must be ≤ 20%D (If CCC are not targets, all analytes must be <20%D.)

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

IV: AFCEE 3.1 and 4.0 QAPP Criteria

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

V: DOD QSM V3 Criteria

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

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 09-DEC-2010 17:52
Lab File ID: HSL1209.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\120910.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.40992	1.37929	1.37929	0.010	-2.17225	50.00000	Averaged
$ 8 Phenol-d5	1.77296	1.78589	1.78589	0.010	0.72935	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.55698	1.59782	1.59782	0.010	2.62281	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.98513	0.99938	0.99938	0.010	1.44703	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.33879	0.36395	0.36395	0.010	7.42551	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.28852	1.37379	1.37379	0.010	6.61706	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.17381	0.19848	0.19848	0.010	14.19315	50.00000	Averaged
$ 14 Terphenyl-d14	0.78789	0.88329	0.88329	0.010	12.10784	50.00000	Averaged
15 N-Nitrosodimethylamine	0.92154	0.91229	0.91229	0.010	-1.00427	50.00000	Averaged
16 Pyridine	1.54111	1.54419	1.54419	0.010	0.19987	50.00000	Averaged
23 Aniline	2.25673	2.24230	2.24230	0.010	-0.63906	50.00000	Averaged
24 Phenol	2.03729	1.96982	1.96982	0.010	-3.31163	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.42859	1.43379	1.43379	0.010	0.36370	50.00000	Averaged
27 2-Chlorophenol	1.56381	1.59834	1.59834	0.010	2.20821	50.00000	Averaged
28 1,3-Dichlorobenzene	1.70337	1.72116	1.72116	0.010	1.04414	50.00000	Averaged
29 1,4-Dichlorobenzene	1.78118	1.82073	1.82073	0.010	2.22043	20.00000	Averaged
30 Benzyl Alcohol	1.05101	1.05151	1.05151	0.010	0.04742	50.00000	Averaged
31 1,2-Dichlorobenzene	1.63746	1.68649	1.68649	0.010	2.99390	50.00000	Averaged
32 2-Methylphenol	1.43012	1.39045	1.39045	0.010	-2.77427	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.27365	2.30632	2.30632	0.010	1.43673	50.00000	Averaged
34 4-Methylphenol	1.51904	1.47771	1.47771	0.010	-2.72108	50.00000	Averaged
36 Hexachloroethane	0.60636	0.63691	0.63691	0.010	5.03714	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.01180	1.01002	1.01002	0.050	-0.17563	50.00000	Averaged
42 Nitrobenzene	0.33116	0.34392	0.34392	0.010	3.85072	50.00000	Averaged
44 Isophorone	0.63679	0.64972	0.64972	0.010	2.03017	50.00000	Averaged
45 2-Nitrophenol	0.19648	0.21260	0.21260	0.010	8.20441	20.00000	Averaged
46 2,4-Dimethyphenol	0.34911	0.36595	0.36595	0.010	4.82370	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.38908	0.38540	0.38540	0.010	-0.94758	50.00000	Averaged
49 2,4-Dichlorophenol	0.27010	0.28483	0.28483	0.010	5.45437	20.00000	Averaged
50 Benzoic Acid	0.19324	0.19530	0.19530	0.010	1.06454	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.29246	0.30976	0.30976	0.010	5.91683	50.00000	Averaged
52 Naphthalene	1.10443	1.11819	1.11819	0.010	1.24605	50.00000	Averaged
54 4-Chloroaniline	0.43288	0.44186	0.44186	0.010	2.07598	50.00000	Averaged
57 Hexachlorobutadiene	0.14313	0.16330	0.16330	0.010	14.09358	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30164	0.31637	0.31637	0.010	4.88365	20.00000	Averaged
63 2-Methylnaphthalene	0.69378	0.72330	0.72330	0.010	4.25600	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29846	0.33621	0.33621	0.050	12.64832	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.31913	0.35175	0.35175	0.010	10.22145	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.34380	0.38365	0.38365	0.010	11.59159	50.00000	Averaged
71 2-Chloronaphthalene	1.12571	1.21349	1.21349	0.010	7.79769	50.00000	Averaged
73 2-Nitroaniline	0.34119	0.37244	0.37244	0.010	9.16214	50.00000	Averaged
76 Dimethylphthalate	1.29606	1.39341	1.39341	0.010	7.51075	50.00000	Averaged

Manual calculation for N-Nitrosodimethylamine :

$\frac{204707}{179511} \times \frac{40}{50} = 0.91229$ RY 12/10/10

12/10/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 09-DEC-2010 17:52
Lab File ID: HSL1209.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\120910.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.96037	2.07456	2.07456	0.010	5.82533	50.00000	Averaged
79 2,6-Dinitrotoluene	0.30197	0.31998	0.31998	0.010	5.96560	50.00000	Averaged
80 3-Nitroaniline	0.37691	0.39802	0.39802	0.010	5.60079	50.00000	Averaged
81 Acenaphthene	1.24787	1.33299	1.33299	0.010	6.82150	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	52.12085	0.18566	0.050	4.24171	0.000e+000	Quadratic
83 Dibenzofuran	1.65612	1.71007	1.71007	0.010	3.25781	50.00000	Averaged
84 4-Nitrophenol	0.15634	0.17693	0.17693	0.050	13.16755	50.00000	Averaged
86 2,4-Dinitrotoluene	0.39633	0.43601	0.43601	0.010	10.01113	50.00000	Averaged
91 Fluorene	1.37139	1.43534	1.43534	0.010	4.66318	50.00000	Averaged
92 Diethylphthalate	1.32699	1.43613	1.43613	0.010	8.22462	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.57019	0.60356	0.60356	0.010	5.85215	50.00000	Averaged
94 4-Nitroaniline	0.37361	0.38257	0.38257	0.010	2.39862	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	51.14436	0.14586	0.010	2.28872	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.60628	0.64030	0.64030	0.010	5.61011	20.00000	Averaged
100 Azobenzene	0.78660	0.79766	0.79766	0.010	1.40559	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19527	0.21818	0.21818	0.010	11.73281	50.00000	Averaged
108 Hexachlorobenzene	0.21807	0.23369	0.23369	0.010	7.16265	50.00000	Averaged
110 Pentachlorophenol	50.00000	50.44754	0.13140	0.010	0.89507	0.000e+000	Linear
114 Phenanthrene	1.26074	1.27774	1.27774	0.010	1.34777	50.00000	Averaged
115 Anthracene	1.25955	1.28933	1.28933	0.010	2.36464	50.00000	Averaged
118 Carbazole	1.15061	1.15245	1.15245	0.010	0.15990	50.00000	Averaged
120 Di-n-Butylphthalate	1.38442	1.43927	1.43927	0.010	3.96209	50.00000	Averaged
126 Fluoranthene	1.12969	1.14686	1.14686	0.010	1.52020	20.00000	Averaged
127 Benzidine	0.81067	0.89733	0.89733	0.010	10.68941	50.00000	Averaged
128 Pyrene	1.25025	1.33601	1.33601	0.010	6.85935	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.76048	0.76048	0.010	6.26614	50.00000	Averaged
136 Butylbenzylphthalate	0.62663	0.68258	0.68258	0.010	8.92885	50.00000	Averaged
138 Benzo(a)Anthracene	1.06548	1.11537	1.11537	0.010	4.68231	50.00000	Averaged
139 Chrysene	1.08994	1.12043	1.12043	0.010	2.79807	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.42551	0.42551	0.010	5.87786	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.86316	0.93429	0.93429	0.010	8.23997	50.00000	Averaged
142 Di-n-octylphthalate	1.37975	1.51128	1.51128	0.010	9.53281	20.00000	Averaged
144 Benzo(b)fluoranthene	0.90549	1.00446	1.00446	0.010	10.92972	50.00000	Averaged
145 Benzo(k)fluoranthene	1.16236	1.21447	1.21447	0.010	4.48332	50.00000	Averaged
147 Benzo(e)pyrene	0.94425	1.01031	1.01031	0.010	6.99659	50.00000	Averaged
148 Benzo(a)pyrene	1.02655	1.10118	1.10118	0.010	7.27012	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.83029	0.92978	0.92978	0.010	11.98283	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.92758	0.99710	0.99710	0.010	7.49518	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00427	1.06222	1.06222	0.010	5.77041	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06785	2.21893	2.21893	0.010	7.30613	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\120910.B\HSL1209.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 09-DEC-2010 17:52
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\120910.B\8270f.m
Meth Date : 10-Dec-2010 11:02 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.501	3.501	(1.000)	179511	40.0000	
* 2	Naphthalene-d8	136	4.910	4.910	(1.000)	755234	40.0000	
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	391579	40.0000	
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	632742	40.0000	
* 5	Chrysene-d12	240	13.107	13.107	(1.000)	572828	40.0000	
* 6	Perylene-d12	264	15.460	15.460	(1.000)	542805	40.0000	
$ 7	2-Fluorophenol	112	2.299	2.299	(0.657)	309498	50.0000	48.91
$ 8	Phenol-d5	99	3.190	3.190	(0.911)	400734	50.0000	50.36
$ 9	2-Chlorophenol-d4	132	3.304	3.304	(0.944)	358533	50.0000	51.31
$ 10	1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.056)	224250	50.0000	50.72
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.840)	343586	50.0000	53.71
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	672432	50.0000	53.31
$ 13	2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	97153	50.0000	57.10
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	632467	50.0000	56.05
15	N-Nitrosodimethylamine	74	1.273	1.273	(0.364)	204707	50.0000	49.50(M)
16	Pyridine	79	1.283	1.283	(0.367)	346499	50.0000	50.10(M)
23	Aniline	93	3.200	3.200	(0.914)	503148	50.0000	49.68
24	Phenol	94	3.200	3.200	(0.914)	442005	50.0000	48.34
26	Bis(2-chloroethyl)ether	93	3.273	3.273	(0.935)	321726	50.0000	50.18
27	2-Chlorophenol	128	3.314	3.314	(0.947)	358650	50.0000	51.10
28	1,3-Dichlorobenzene	146	3.459	3.459	(0.988)	386209	50.0000	50.52
29	1,4-Dichlorobenzene	146	3.511	3.511	(1.003)	408551	50.0000	51.11
30	Benzyl Alcohol	108	3.677	3.677	(1.050)	235947	50.0000	50.02
31	1,2-Dichlorobenzene	146	3.708	3.708	(1.059)	378429	50.0000	51.50
32	2-Methylphenol	108	3.833	3.833	(1.095)	312001	50.0000	48.61
33	2,2'-oxybis(1-Chloropropane)	45	3.853	3.853	(1.101)	517512	50.0000	50.72
34	4-Methylphenol	108	3.998	3.998	(1.142)	331581	50.0000	48.64
36	Hexachloroethane	117	4.040	4.040	(1.154)	142915	50.0000	52.52
37	N-Nitrosodinpropylamine	70	3.998	3.998	(1.142)	226638	50.0000	49.91
42	Nitrobenzene	77	4.143	4.143	(0.844)	324671	50.0000	51.92
44	Isophorone	82	4.403	4.403	(0.897)	613360	50.0000	51.02
45	2-Nitrophenol	139	4.506	4.506	(0.918)	200701	50.0000	54.10
46	2,4-Dimethyphenol	107	4.589	4.589	(0.935)	345477	50.0000	52.41

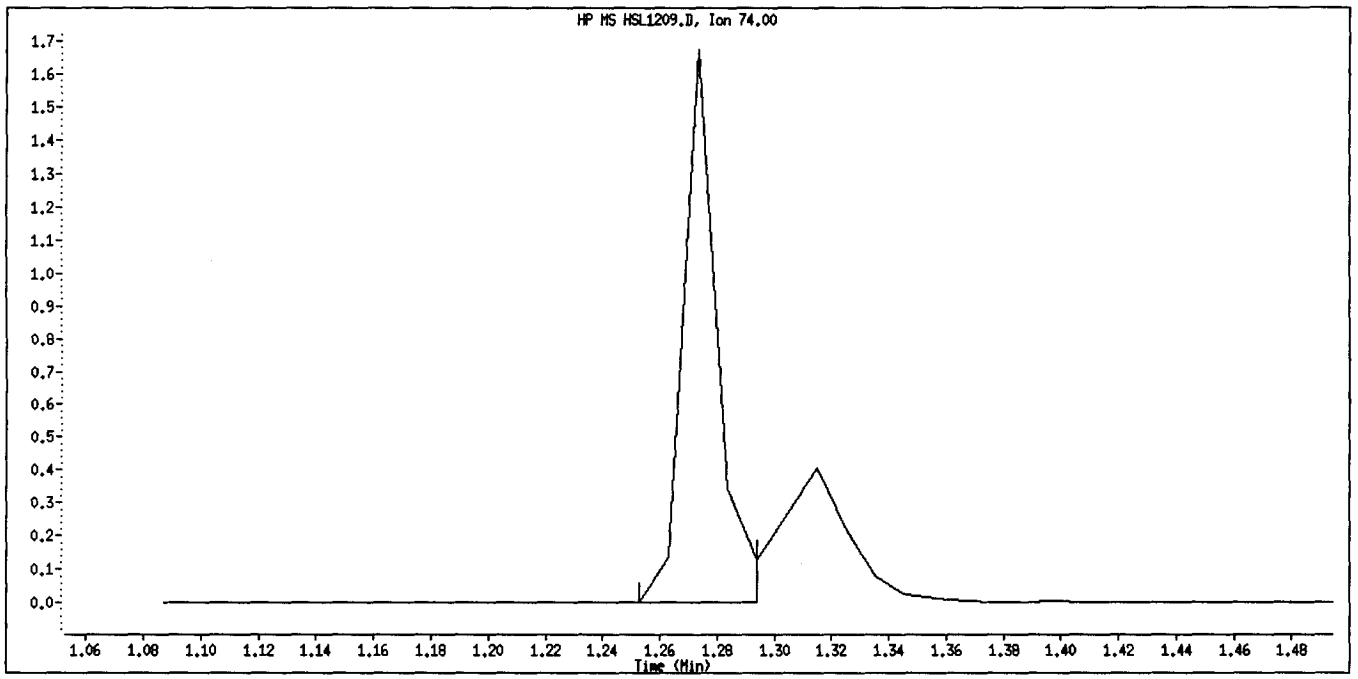
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	4.693	4.693	(0.956)	363831	50.0000	49.53
49 2,4-Dichlorophenol	162	4.776	4.776	(0.973)	268894	50.0000	52.73
50 Benzoic Acid	122	4.724	4.724	(0.962)	184370	50.0000	50.53
51 1,2,4-Trichlorobenzene	180	4.869	4.869	(0.992)	292426	50.0000	52.96
52 Naphthalene	128	4.931	4.931	(1.004)	1055617	50.0000	50.62
54 4-Chloroaniline	127	5.035	5.035	(1.025)	417136	50.0000	51.04
57 Hexachlorobutadiene	225	5.159	5.159	(1.051)	154160	50.0000	57.05
60 4-Chloro-3-Methylphenol	107	5.646	5.646	(1.150)	298663	50.0000	52.44
63 2-Methylnaphthalene	142	5.864	5.864	(1.194)	682828	50.0000	52.13
66 Hexachlorocyclopentadiene	237	6.019	6.019	(0.861)	164564	50.0000	56.32
69 2,4,6-Trichlorophenol	196	6.123	6.123	(0.876)	172174	50.0000	55.11
70 2,4,5-Trichlorphenol	196	6.175	6.175	(0.883)	187788	50.0000	55.80
71 2-Chloronaphthalene	162	6.309	6.309	(0.902)	593971	50.0000	53.90
73 2-Nitroaniline	65	6.496	6.496	(0.929)	182302	50.0000	54.58
76 Dimethylphthalate	163	6.776	6.776	(0.969)	682036	50.0000	53.76
77 Acenaphthylene	152	6.807	6.807	(0.973)	1015445	50.0000	52.91
79 2,6-Dinitrotoluene	165	6.838	6.838	(0.978)	156622	50.0000	52.98(H)
80 3-Nitroaniline	138	6.993	6.993	(1.000)	194818	50.0000	52.80
81 Acenaphthene	153	7.035	7.035	(1.006)	652464	50.0000	53.41
82 2,4-Dinitrophenol	184	7.118	7.118	(1.018)	90874	50.0000	52.12
83 Dibenzofuran	168	7.221	7.221	(1.033)	837036	50.0000	51.63
84 4-Nitrophenol	109	7.242	7.242	(1.036)	86601	50.0000	56.58
86 2,4-Dinitrotoluene	165	7.304	7.304	(1.044)	213415	50.0000	55.00
91 Fluorene	166	7.636	7.636	(1.092)	702563	50.0000	52.33
92 Diethylphthalate	149	7.625	7.625	(1.090)	702949	50.0000	54.11
93 4-Chlorophenyl-phenylether	204	7.657	7.657	(1.095)	295426	50.0000	52.93
94 4-Nitroaniline	138	7.729	7.729	(1.105)	187260	50.0000	51.20
97 4,6-Dinitro-2-methylphenol	198	7.791	7.791	(0.882)	115367	50.0000	51.14
98 N-Nitrosodiphenylamine	169	7.822	7.822	(0.885)	593534	58.6000	61.89
100 Azobenzene	77	7.853	7.853	(0.889)	630890	50.0000	50.70(H)
101 4-Bromophenyl-phenylether	248	8.268	8.268	(0.936)	172562	50.0000	55.87
108 Hexachlorobenzene	284	8.434	8.434	(0.954)	184828	50.0000	53.58
110 Pentachlorophenol	266	8.693	8.693	(0.984)	103925	50.0000	50.45
114 Phenanthrene	178	8.869	8.869	(1.004)	1010596	50.0000	50.67
115 Anthracene	178	8.931	8.931	(1.011)	1019766	50.0000	51.18
118 Carbazole	167	9.201	9.201	(1.041)	911503	50.0000	50.08
120 Di-n-Butylphthalate	149	9.895	9.895	(1.120)	1138358	50.0000	51.98
126 Fluoranthene	202	10.672	10.672	(1.208)	907085	50.0000	50.76
127 Benzidine	184	10.962	10.962	(0.836)	642519	50.0000	55.34
128 Pyrene	202	11.014	11.014	(0.840)	956633	50.0000	53.43
134 3,3'-dimethylbenzidine	212	12.227	12.227	(0.933)	544531	50.0000	53.13
136 Butylbenzylphthalate	149	12.361	12.361	(0.943)	488754	50.0000	54.46
138 Benzo(a)Anthracene	228	13.076	13.076	(0.998)	798641	50.0000	52.34
139 Chrysene	228	13.149	13.149	(1.003)	802270	50.0000	51.40
140 3,3'-Dichlorobenzidine	252	13.139	13.139	(1.002)	304683	50.0000	52.94
141 bis(2-ethylhexyl)Phthalate	149	13.481	13.481	(1.028)	668981	50.0000	54.12
142 Di-n-octylphthalate	149	14.527	14.527	(1.108)	1082128	50.0000	54.77
144 Benzo(b)fluoranthene	252	14.890	14.890	(0.963)	681531	50.0000	55.46
145 Benzo(k)fluoranthene	252	14.921	14.921	(0.965)	824026	50.0000	52.24
147 Benzo(e)pyrene	252	15.304	15.304	(0.990)	685503	50.0000	53.50
148 Benzo(a)pyrene	252	15.377	15.377	(0.995)	747158	50.0000	53.64
151 Indeno(1,2,3-cd)pyrene	276	16.983	16.983	(1.099)	630862	50.0000	55.99
152 Dibenzo(a,h)anthracene	278	17.025	17.025	(1.101)	676538	50.0000	53.75
153 Benzo(g,h,i)perylene	276	17.336	17.336	(1.121)	720724	50.0000	52.88

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				1505557	50.0000	

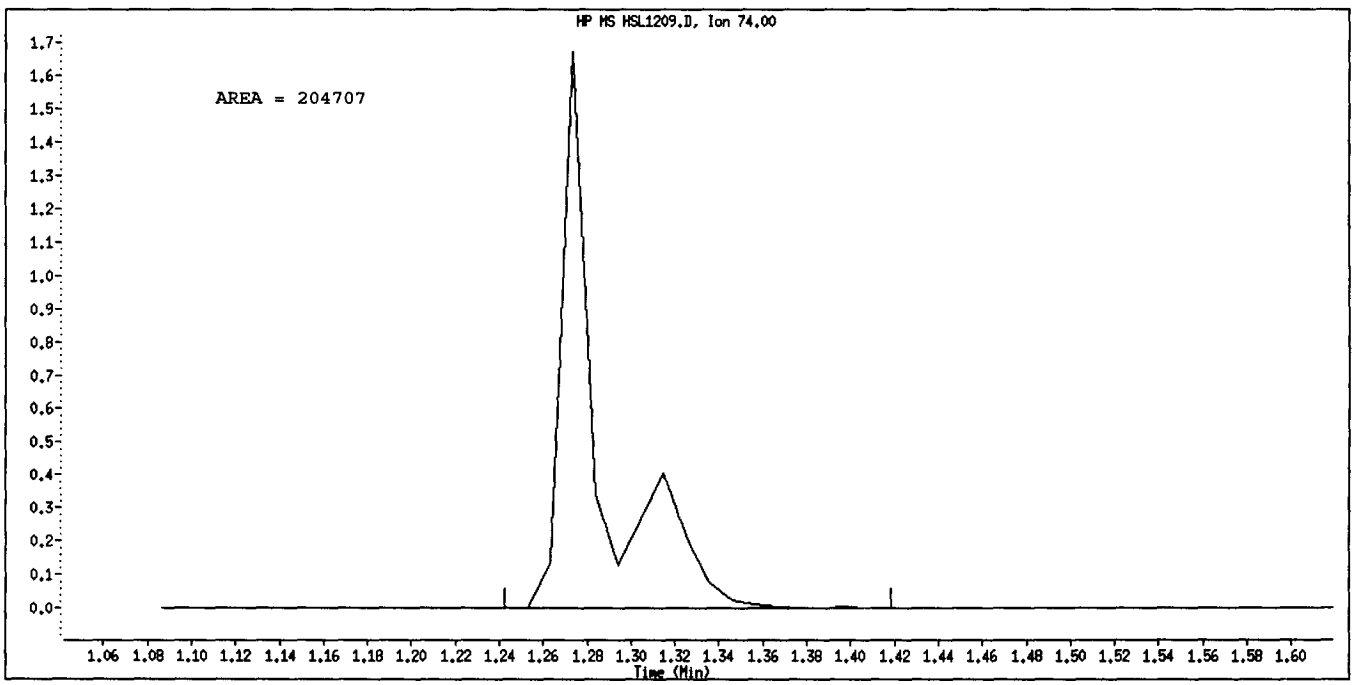
QC Flag Legend

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

Data File Name: HSL1209.D
Inj. Date and Time: 09-DEC-2010 17:52
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 12/10/2010



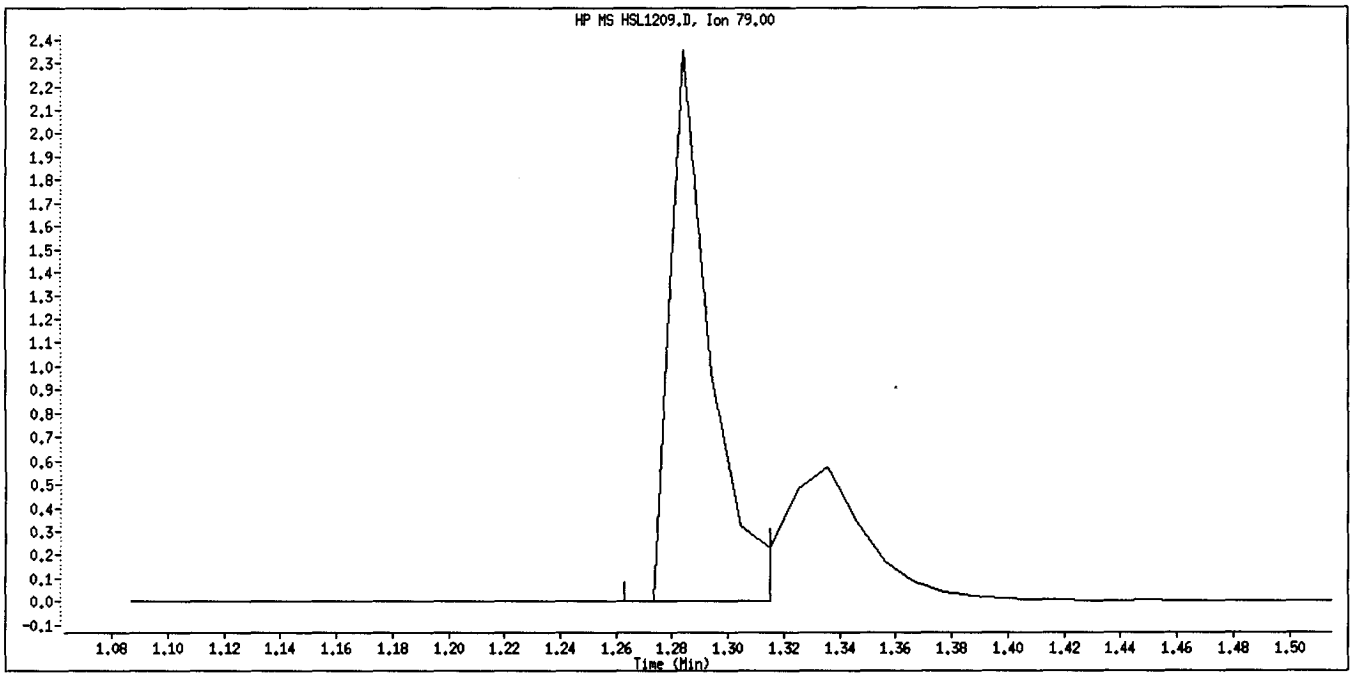
Original Integration



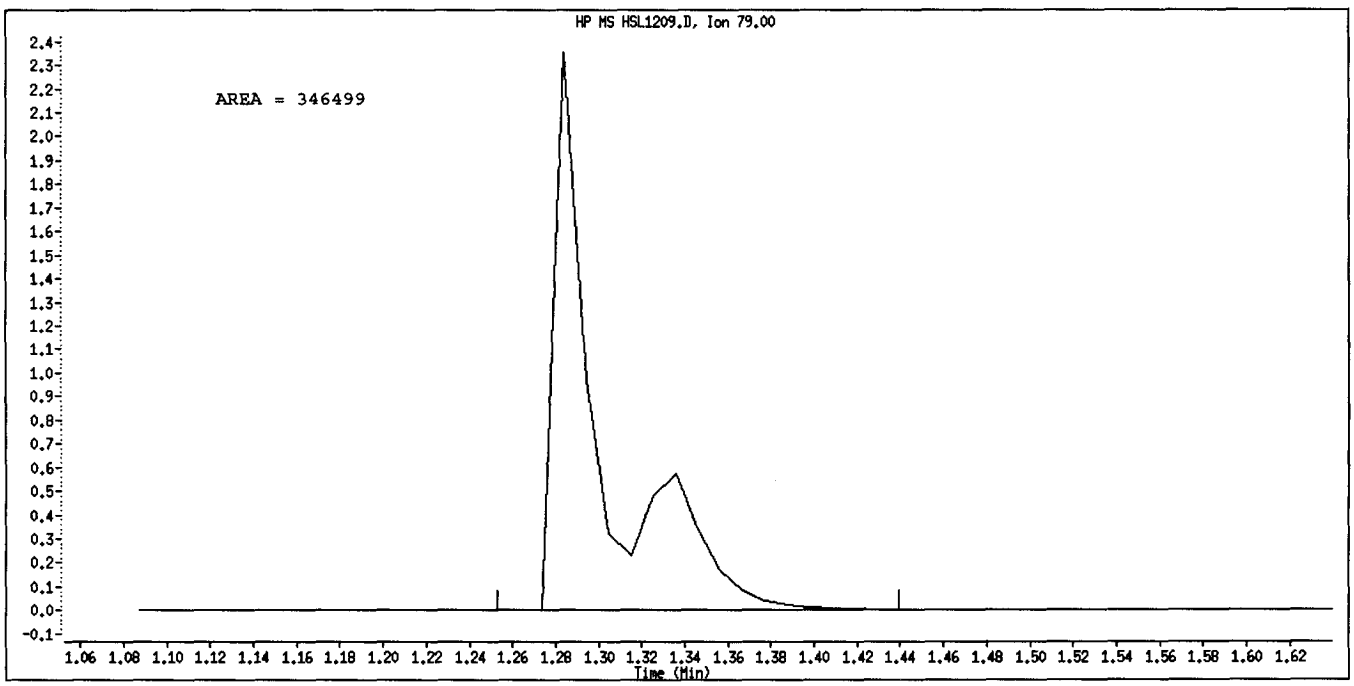
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1209.D
Inj. Date and Time: 09-DEC-2010 17:52
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 12/10/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\120910.B\HSL1209.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 09-DEC-2010 17:52
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\120910.B\8270f.m
Meth Date : 10-Dec-2010 08:52 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.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	3.501	3.501	(1.000)	179511	40.0000	
*	2 Naphthalene-d8	136	4.910	4.910	(1.000)	755234	40.0000	
*	3 Acenaphthene-d10	164	6.993	6.993	(1.000)	391579	40.0000	
*	4 Phenanthrene-d10	188	8.838	8.838	(1.000)	632742	40.0000	
*	5 Chrysene-d12	240	13.107	13.107	(1.000)	572828	40.0000	
*	6 Perylene-d12	264	15.460	15.460	(1.000)	542805	40.0000	
$	7 2-Fluorophenol	112	2.299	2.299	(0.657)	309498	50.0000	48.91
$	8 Phenol-d5	99	3.190	3.190	(0.911)	400734	50.0000	50.36
$	9 2-Chlorophenol-d4	132	3.304	3.304	(0.944)	358533	50.0000	51.31
$	10 1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.056)	224250	50.0000	50.72
$	11 Nitrobenzene-d5	82	4.123	4.123	(0.840)	343586	50.0000	53.71
$	12 2-Fluorobiphenyl	172	6.216	6.216	(0.889)	672432	50.0000	53.31
$	13 2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	97153	50.0000	57.10
$	14 Terphenyl-d14	244	11.387	11.387	(0.869)	632467	50.0000	56.05
	15 N-Nitrosodimethylamine	74	1.273	1.273	(0.364)	137552	50.0000	33.26
	16 Pyridine	79	1.335	1.335	(0.381)	114500	50.0000	16.56
	23 Aniline	93	3.200	3.200	(0.914)	503148	50.0000	49.68
	24 Phenol	94	3.200	3.200	(0.914)	442005	50.0000	48.34
	26 Bis(2-chloroethyl)ether	93	3.273	3.273	(0.935)	321726	50.0000	50.18
	27 2-Chlorophenol	128	3.314	3.314	(0.947)	358650	50.0000	51.10
	28 1,3-Dichlorobenzene	146	3.459	3.459	(0.988)	386209	50.0000	50.52
	29 1,4-Dichlorobenzene	146	3.511	3.511	(1.003)	408551	50.0000	51.11
	30 Benzyl Alcohol	108	3.677	3.677	(1.050)	235947	50.0000	50.02
	31 1,2-Dichlorobenzene	146	3.708	3.708	(1.059)	378429	50.0000	51.50
	32 2-Methylphenol	108	3.833	3.833	(1.095)	312001	50.0000	48.61
	33 2,2'-oxybis(1-Chloropropane)	45	3.853	3.853	(1.101)	517512	50.0000	50.72
	34 4-Methylphenol	108	3.998	3.998	(1.142)	331581	50.0000	48.64
	36 Hexachloroethane	117	4.040	4.040	(1.154)	142915	50.0000	52.52
	37 N-Nitrosodinpropylamine	70	3.998	3.998	(1.142)	226638	50.0000	49.91
	42 Nitrobenzene	77	4.143	4.143	(0.844)	324671	50.0000	51.92
	44 Isophorone	82	4.403	4.403	(0.897)	613360	50.0000	51.02
	45 2-Nitrophenol	139	4.506	4.506	(0.918)	200701	50.0000	54.10
	46 2,4-Dimethyphenol	107	4.589	4.589	(0.935)	345477	50.0000	52.41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	4.693	4.693	(0.956)	363831	50.0000	49.53
49	2,4-Dichlorophenol	162	4.776	4.776	(0.973)	268894	50.0000	52.73
50	Benzoic Acid	122	4.724	4.724	(0.962)	184370	50.0000	50.53
51	1,2,4-Trichlorobenzene	180	4.869	4.869	(0.992)	292426	50.0000	52.96
52	Naphthalene	128	4.931	4.931	(1.004)	1055617	50.0000	50.62
54	4-Chloroaniline	127	5.035	5.035	(1.025)	417136	50.0000	51.04
57	Hexachlorobutadiene	225	5.159	5.159	(1.051)	154160	50.0000	57.05
60	4-Chloro-3-Methylphenol	107	5.646	5.646	(1.150)	298663	50.0000	52.44
63	2-Methylnaphthalene	142	5.864	5.864	(1.194)	682828	50.0000	52.13
66	Hexachlorocyclopentadiene	237	6.019	6.019	(0.861)	164564	50.0000	56.32
69	2,4,6-Trichlorophenol	196	6.123	6.123	(0.876)	172174	50.0000	55.11
70	2,4,5-Trichlorphenol	196	6.175	6.175	(0.883)	187788	50.0000	55.80
71	2-Chloronaphthalene	162	6.309	6.309	(0.902)	593971	50.0000	53.90
73	2-Nitroaniline	65	6.496	6.496	(0.929)	182302	50.0000	54.58
76	Dimethylphthalate	163	6.776	6.776	(0.969)	682036	50.0000	53.76
77	Acenaphthylene	152	6.807	6.807	(0.973)	1015445	50.0000	52.91
79	2,6-Dinitrotoluene	165	6.776	6.776	(0.969)	7041	50.0000	2.382
80	3-Nitroaniline	138	6.993	6.993	(1.000)	194818	50.0000	52.80
81	Acenaphthene	153	7.035	7.035	(1.006)	652464	50.0000	53.41
82	2,4-Dinitrophenol	184	7.118	7.118	(1.018)	90874	50.0000	52.12
83	Dibenzofuran	168	7.221	7.221	(1.033)	837036	50.0000	51.63
84	4-Nitrophenol	109	7.242	7.242	(1.036)	86601	50.0000	56.58
86	2,4-Dinitrotoluene	165	7.304	7.304	(1.044)	213415	50.0000	55.00
91	Fluorene	166	7.636	7.636	(1.092)	702563	50.0000	52.33
92	Diethylphthalate	149	7.625	7.625	(1.090)	702949	50.0000	54.11
93	4-Chlorophenyl-phenylether	204	7.657	7.657	(1.095)	295426	50.0000	52.93
94	4-Nitroaniline	138	7.729	7.729	(1.105)	187260	50.0000	51.20
97	4,6-Dinitro-2-methylphenol	198	7.791	7.791	(0.882)	115367	50.0000	51.14
98	N-Nitrosodiphenylamine	169	7.822	7.822	(0.885)	593534	58.6000	61.89
100	Azobenzene	77	7.822	7.822	(0.885)	96705	50.0000	7.772
101	4-Bromophenyl-phenylether	248	8.268	8.268	(0.936)	172562	50.0000	55.87
108	Hexachlorobenzene	284	8.434	8.434	(0.954)	184828	50.0000	53.58
110	Pentachlorophenol	266	8.693	8.693	(0.984)	103925	50.0000	50.45
114	Phenanthrene	178	8.869	8.869	(1.004)	1010596	50.0000	50.67
115	Anthracene	178	8.931	8.931	(1.011)	1019766	50.0000	51.18
118	Carbazole	167	9.201	9.201	(1.041)	911503	50.0000	50.08
120	Di-n-Butylphthalate	149	9.895	9.895	(1.120)	1138358	50.0000	51.98
126	Fluoranthene	202	10.672	10.672	(1.208)	907085	50.0000	50.76
127	Benzidine	184	10.962	10.962	(0.836)	642519	50.0000	55.34
128	Pyrene	202	11.014	11.014	(0.840)	956633	50.0000	53.43
134	3,3'-dimethylbenzidine	212	12.227	12.227	(0.933)	544531	50.0000	53.13
136	Butylbenzylphthalate	149	12.361	12.361	(0.943)	488754	50.0000	54.46
138	Benzo(a)Anthracene	228	13.076	13.076	(0.998)	798641	50.0000	52.34
139	Chrysene	228	13.149	13.149	(1.003)	802270	50.0000	51.40
140	3,3'-Dichlorobenzidine	252	13.139	13.139	(1.002)	304683	50.0000	52.94
141	bis(2-ethylhexyl)Phthalate	149	13.481	13.481	(1.028)	668981	50.0000	54.12
142	Di-n-octylphthalate	149	14.527	14.527	(1.108)	1082128	50.0000	54.77
144	Benzo(b)fluoranthene	252	14.890	14.890	(0.963)	681531	50.0000	55.46
145	Benzo(k)fluoranthene	252	14.921	14.921	(0.965)	824026	50.0000	52.24
147	Benzo(e)pyrene	252	15.304	15.304	(0.990)	685503	50.0000	53.50
148	Benzo(a)pyrene	252	15.377	15.377	(0.995)	747158	50.0000	53.64
151	Indeno(1,2,3-cd)pyrene	276	16.983	16.983	(1.099)	630862	50.0000	55.99
152	Dibenzo(a,h)anthracene	278	17.025	17.025	(1.101)	676538	50.0000	53.75
153	Benzo(g,h,i)perylene	276	17.336	17.336	(1.121)	720724	50.0000	52.88

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				1505557	50.0000	53.65(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: HSL1209.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\120910.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 09-DEC-2010
Calibration Time: 17:09
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	122625	61313	245250	179511	46.39
2 Naphthalene-d8	530514	265257	1061028	755234	42.36
3 Acenaphthene-d10	282538	141269	565076	391579	38.59
4 Phenanthrene-d10	462722	231361	925444	632742	36.74
5 Chrysene-d12	435850	217925	871700	572828	31.43
6 Perylene-d12	422284	211142	844568	542805	28.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.50	3.00	4.00	3.50	0.00
2 Naphthalene-d8	4.91	4.41	5.41	4.91	0.00
3 Acenaphthene-d10	6.99	6.49	7.49	6.99	0.00
4 Phenanthrene-d10	8.84	8.34	9.34	8.84	0.00
5 Chrysene-d12	13.11	12.61	13.61	13.11	0.00
6 Perylene-d12	15.46	14.96	15.96	15.46	0.00

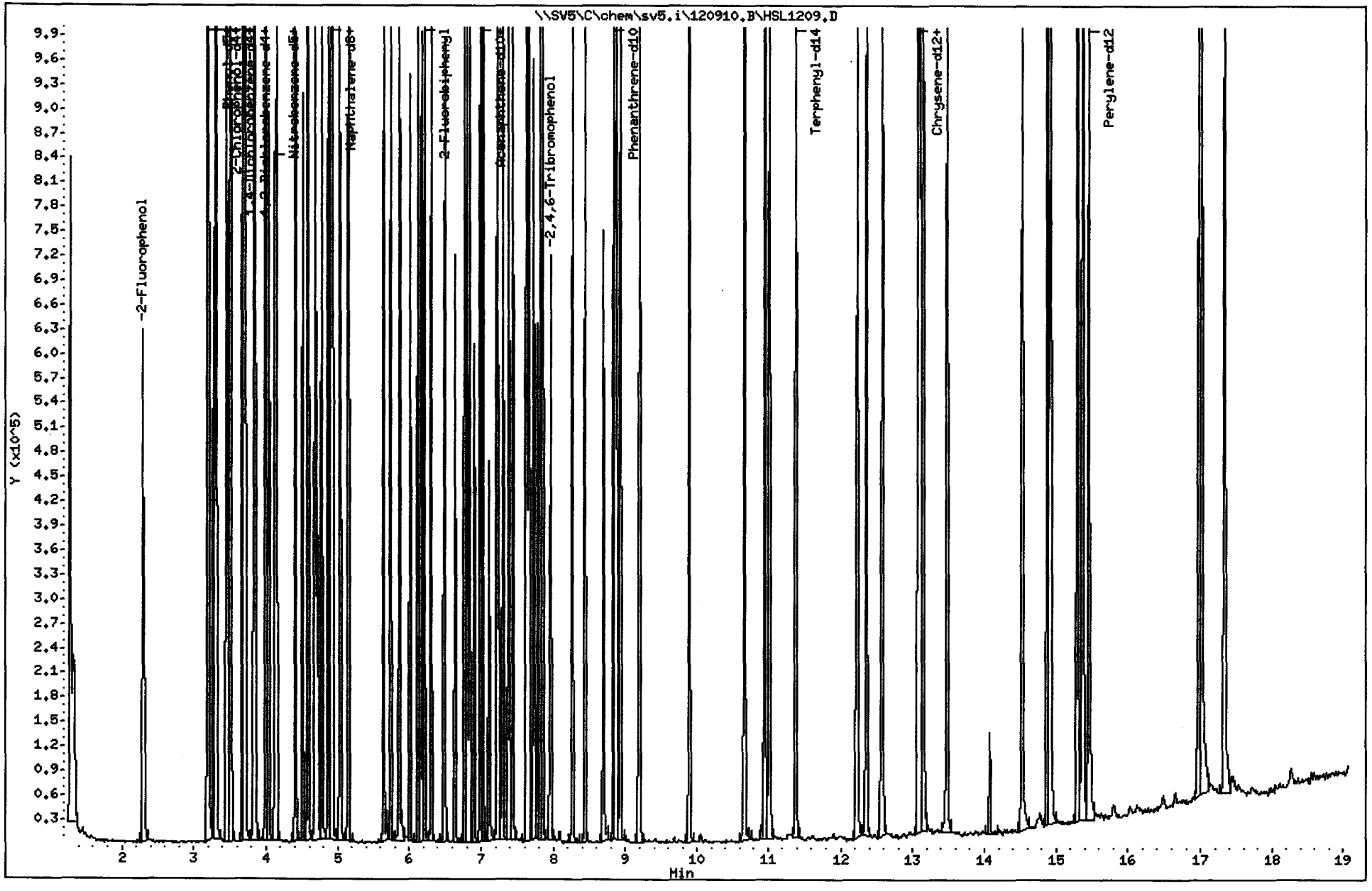
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\120910.B\HSL1209.D
Date : 09-DEC-2010 17:52
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml CS-4;2;;4;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.7746619	5.000	PASS
Benzidine	0.2765335	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	555396	18.5	20.5	PASS

Sample //SV5/C/chem/sv5.i/120910.B/DFT1209.D/DFT1209.D

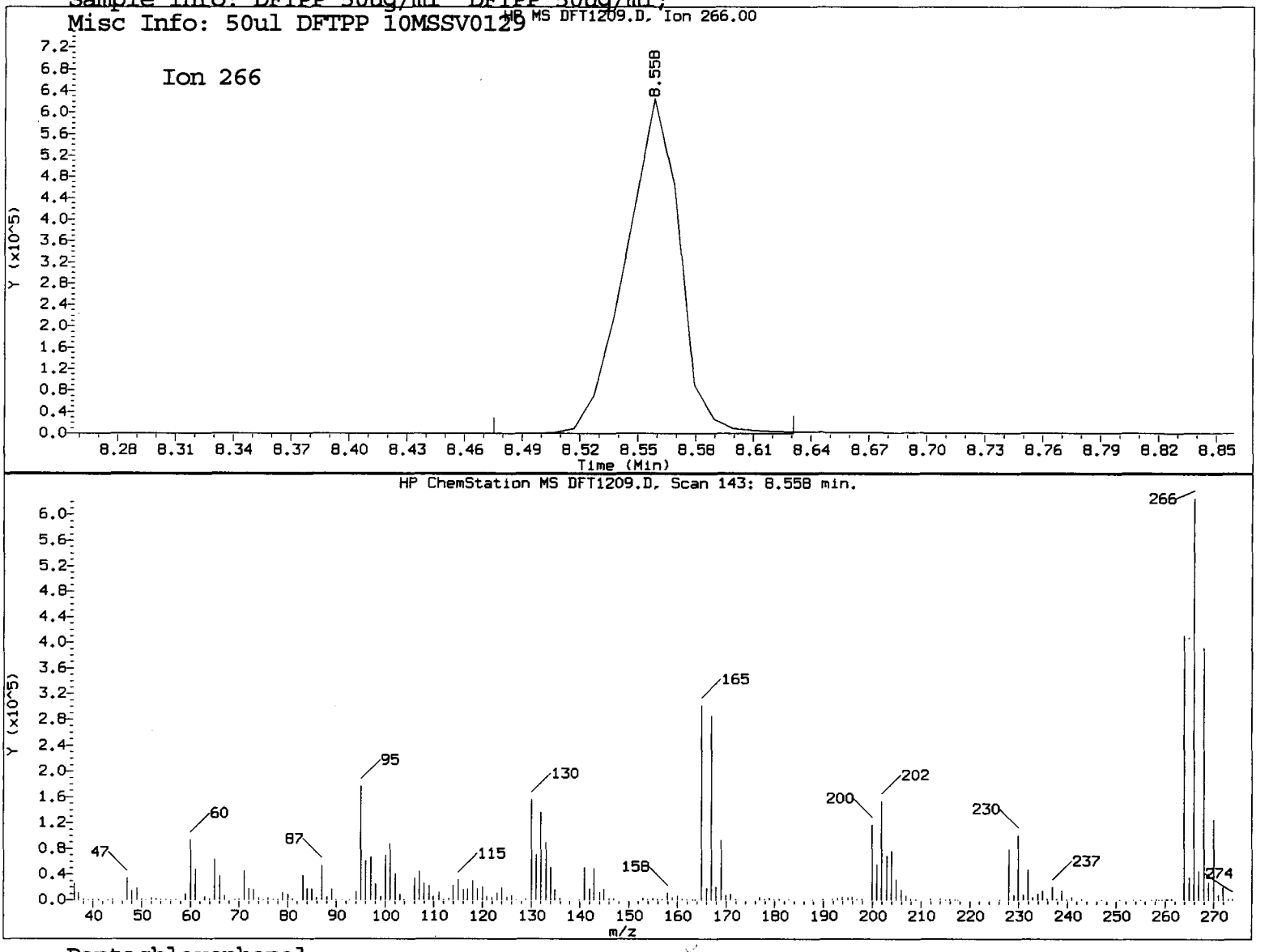
****
*** PASSED ***
****

12/10/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 12/10/2010 08:51

Datafile Analyzed: //SV5/C/chem/sv5.i/120910.B/DFT1209.D/DFT1209.D
Method Used: \\SV5\C\chem\sv5.i\120910.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-DEC-2010 17:31 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Pentachlorophenol
==========
Exp. RT = 8.631
Found RT = 8.558

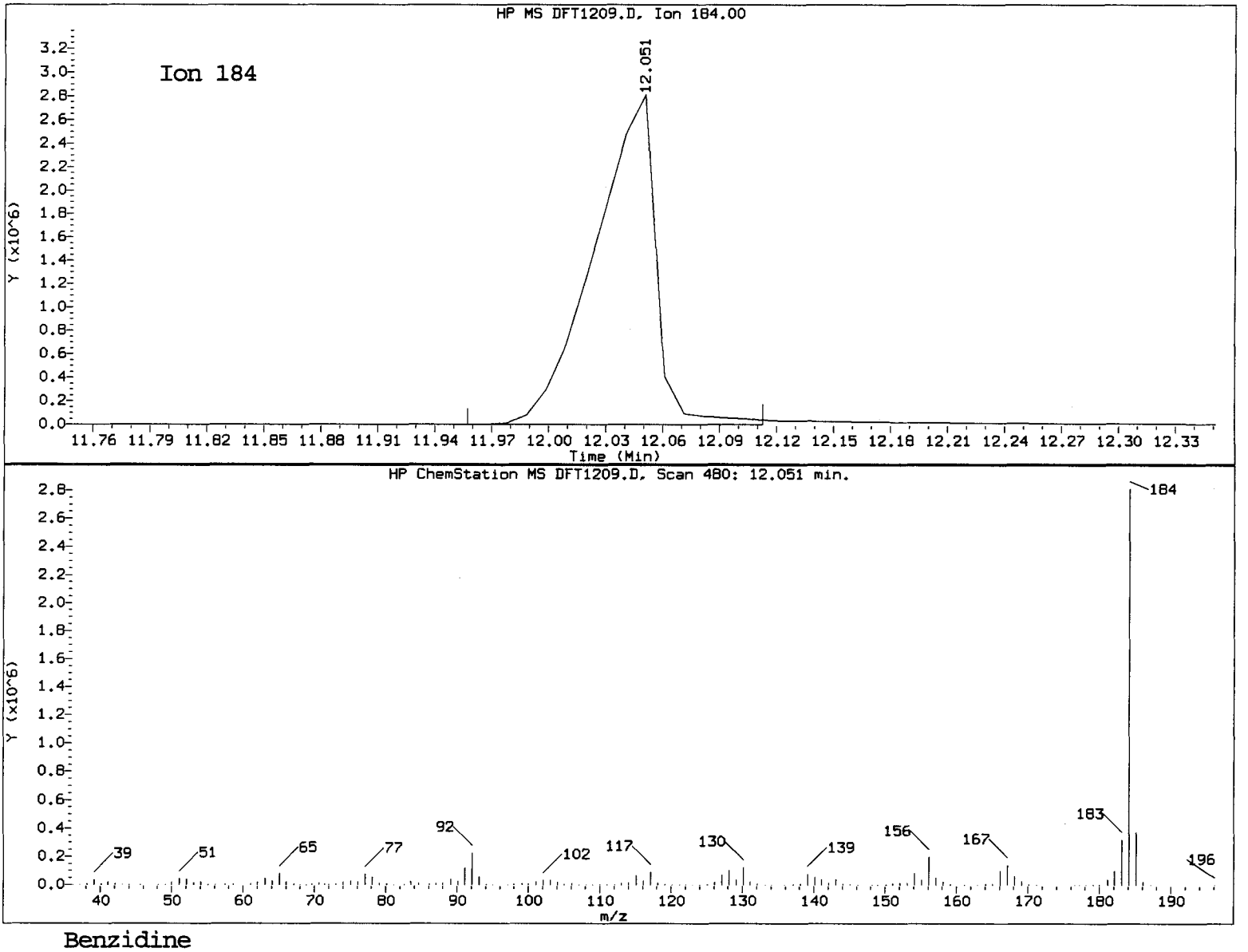
Time1 = 8.525818 Time2 = 8.558283 Time3 = 8.583433
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.775 Maximum Allowed = 5.0

Report Date: 12/10/2010 08:51

Datafile Analyzed: //SV5/C/chem/sv5.i/120910.B/DFT1209.D/DFT1209.D
Method Used: \\SV5\C\chem\sv5.i\120910.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-DEC-2010 17:31 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
 Exp. RT = 12.113
Found RT = 12.051

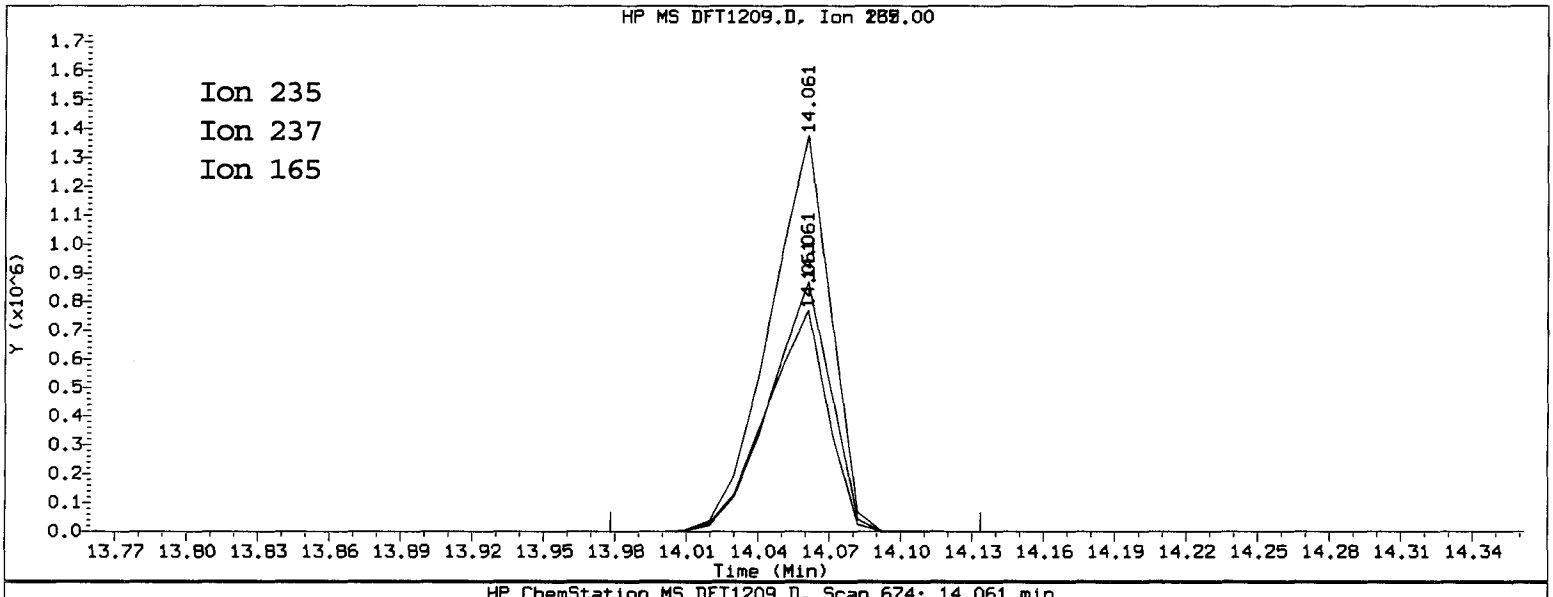
Time1 = 11.99806 Time2 = 12.05062 Time3 = 12.06515
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

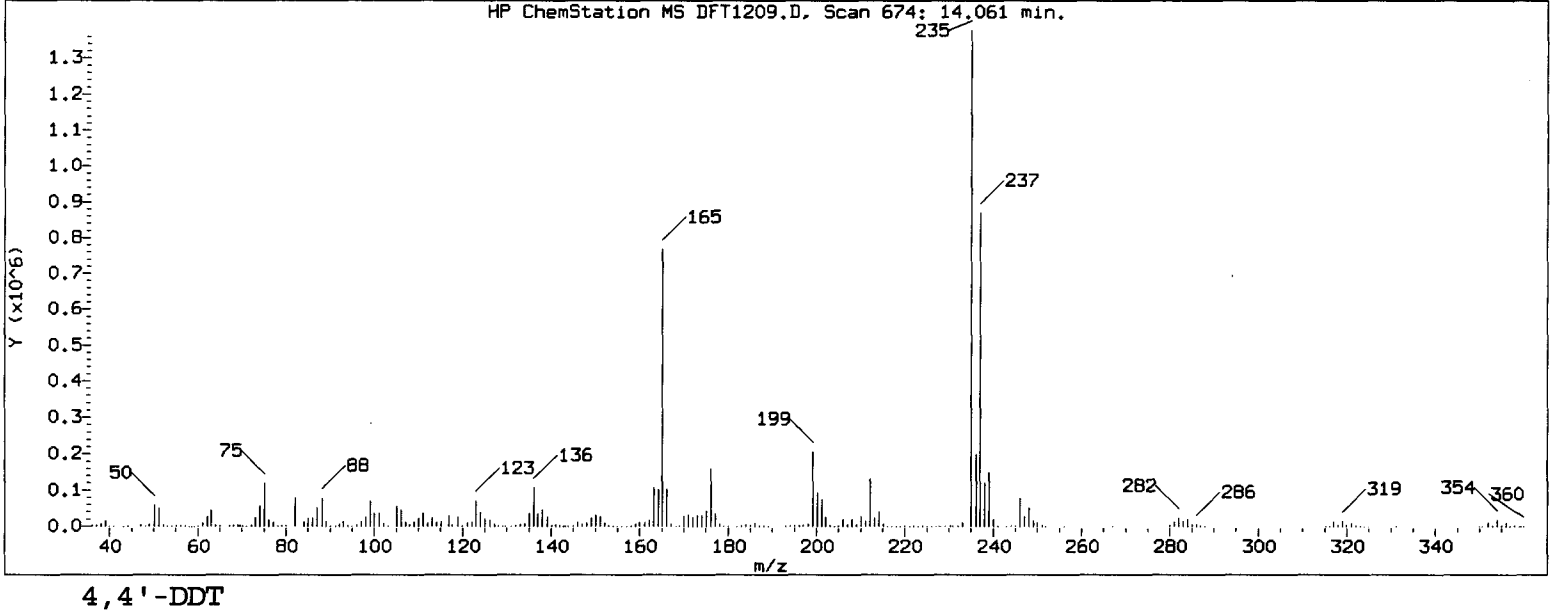
Tailing factor for Benzidine OK

Tail Factor = 0.277 Maximum Allowed = 3.0

Report Date: 12/10/2010 08:51

Datafile Analyzed: //SV5/C/chem/sv5.i/120910.B/DFT1209.D/DFT1209.D
Method Used: \\SV5\C\chem\sv5.i\120910.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-DEC-2010 17:31 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



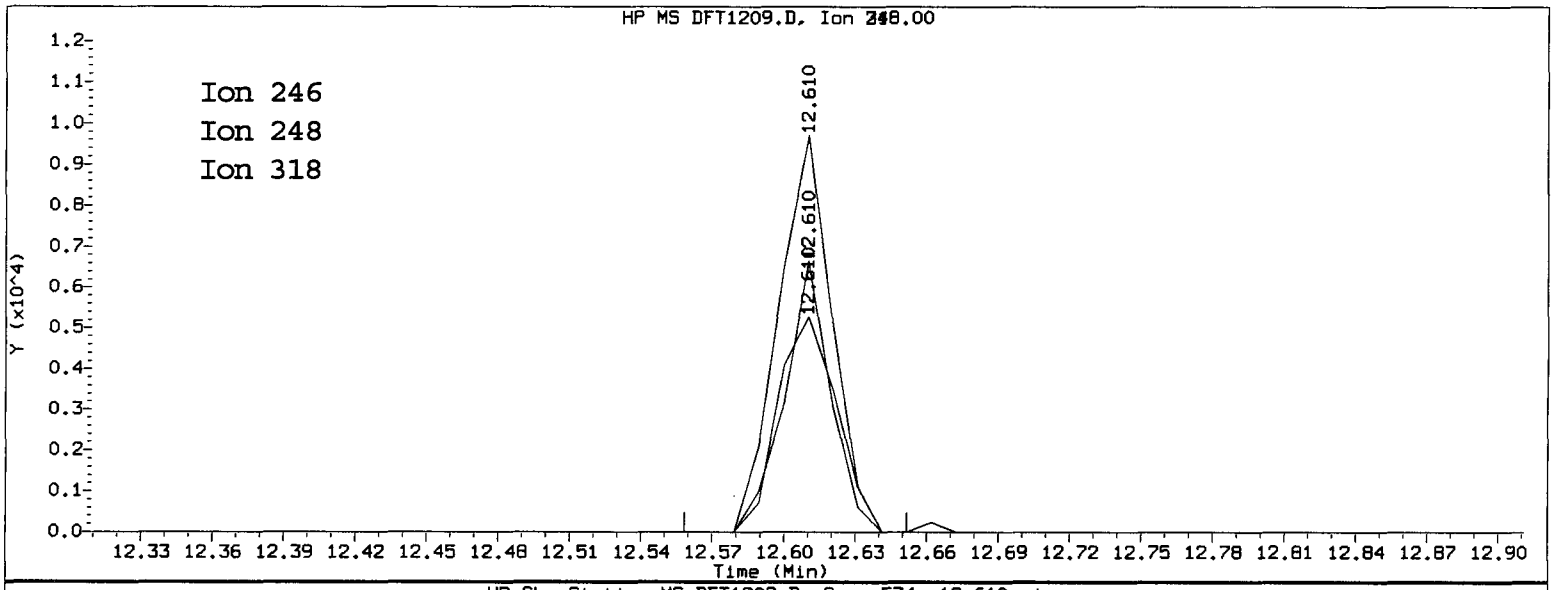


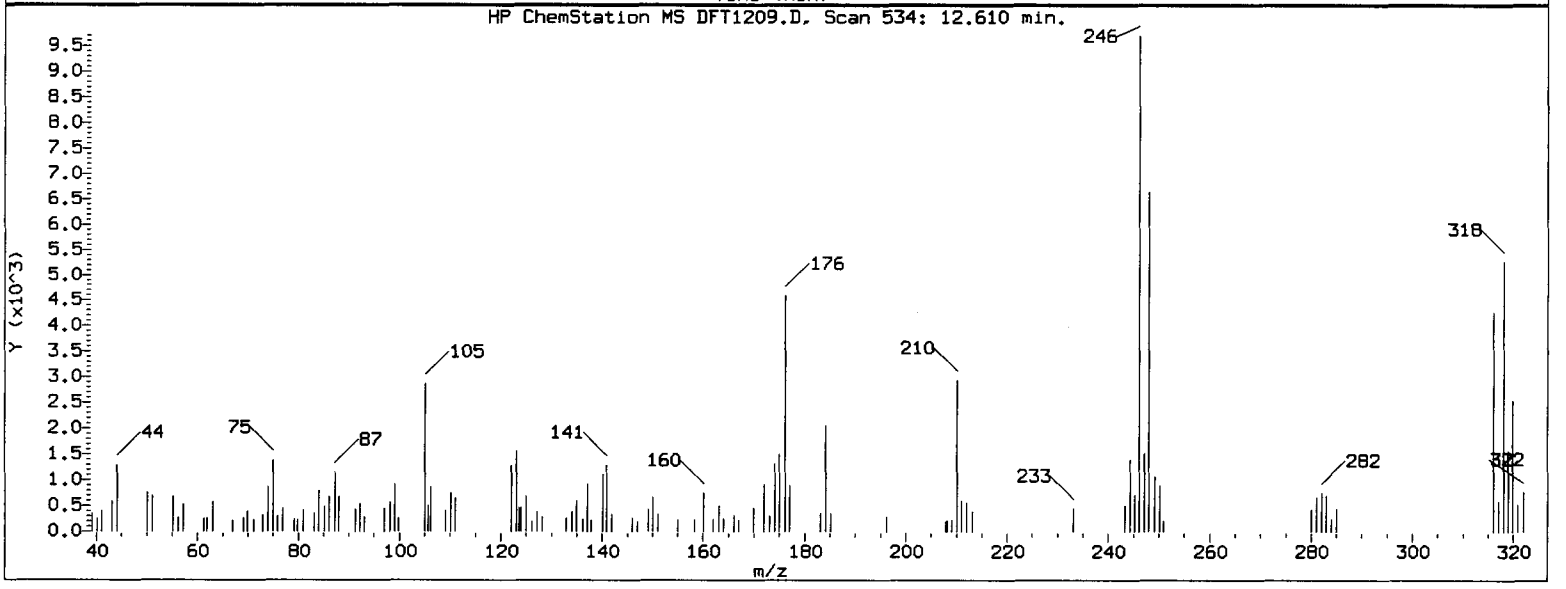
4,4'-DDT
========
Exp. RT = 14.134
Found RT = 14.061

Mass	Area	Ratio
235	2446711	100.00
237	1544196	63.11
165	1385911	56.64

Report Date: 12/10/2010 08:51

Datafile Analyzed: //SV5/C/chem/sv5.i/120910.B/DFT1209.D/DFT1209.D
Method Used: \\SV5\C\chem\sv5.i\120910.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-DEC-2010 17:31 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



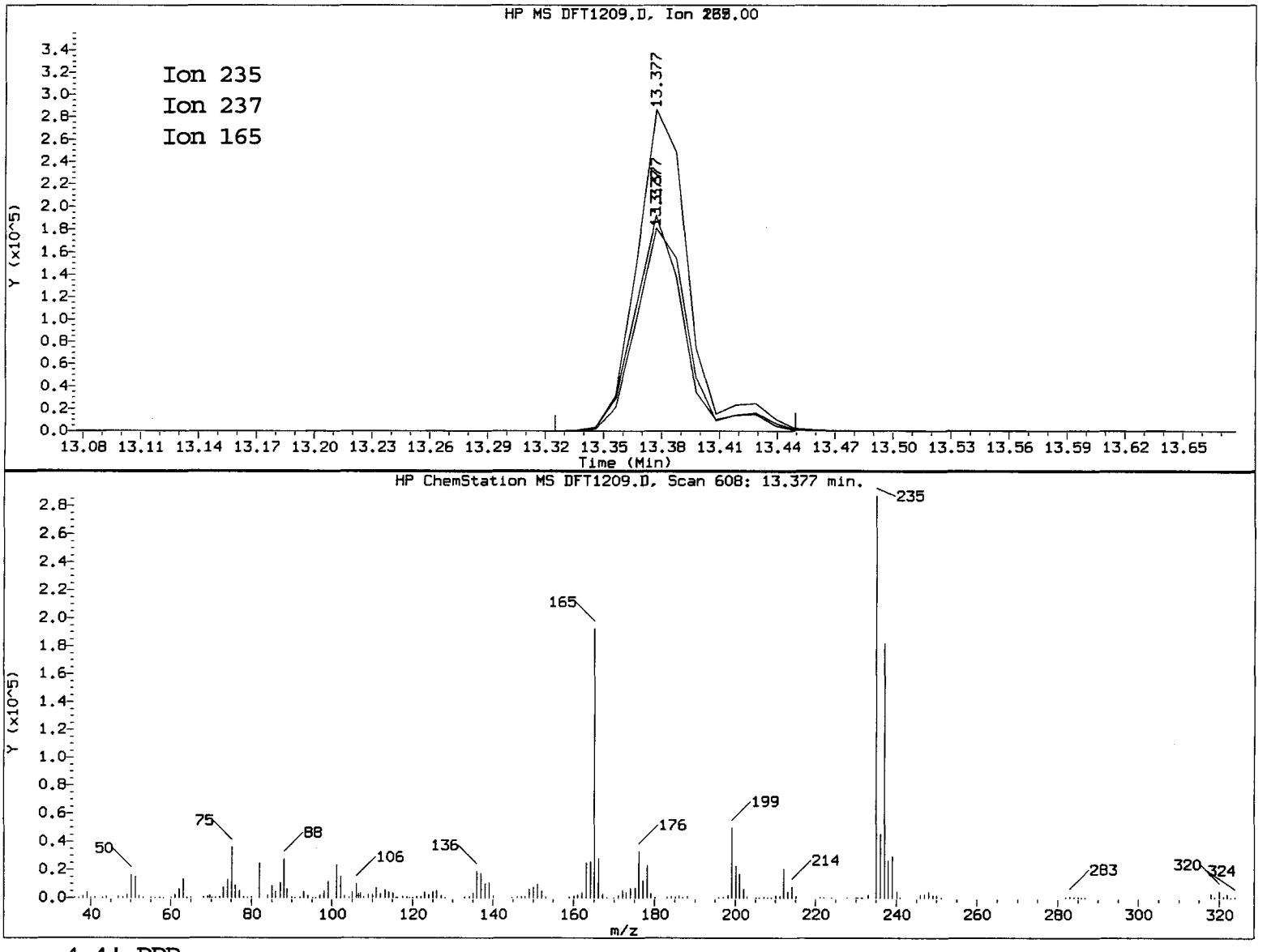


4,4'-DDE
========
Exp. RT = 12.683
Found RT = 12.610

Mass	Area	Ratio
246	15239	100.00
248	9002	59.07
318	9125	59.88

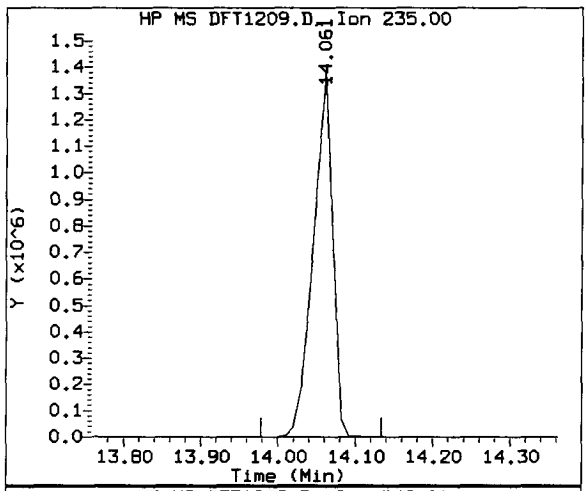
Report Date: 12/10/2010 08:51

Datafile Analyzed: //SV5/C/chem/sv5.i/120910.B/DFT1209.D/DFT1209.D
Method Used: \\SV5\C\chem\sv5.i\120910.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 09-DEC-2010 17:31 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

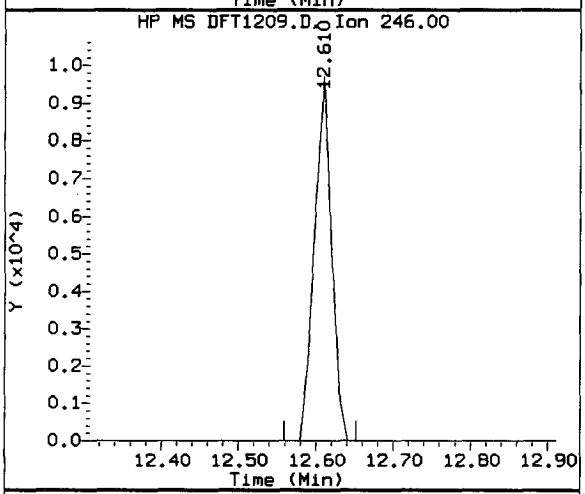


4,4'-DDD
========
Exp. RT = 13.450
Found RT = 13.377

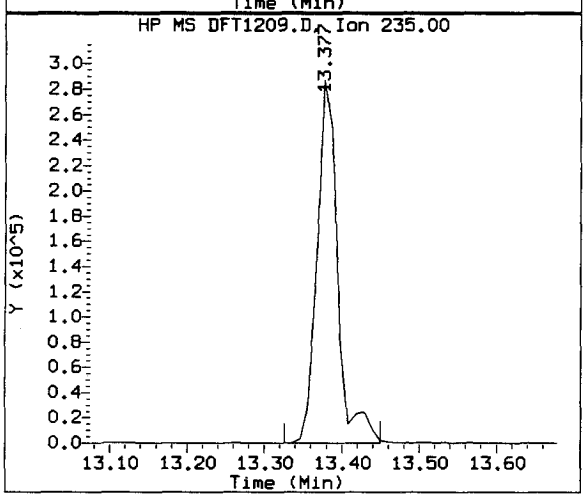
Mass	Area	Ratio
235	540157	100.00
237	344441	63.77
165	344273	63.74



Compound: 4,4'-DDT
Quant Mass: 235
RT: 14.061
Area: 2446711



Compound: 4,4'-DDE
Quant Mass: 246
RT: 12.610
Area: 15239



Compound: 4,4'-DDD
Quant Mass: 235
RT: 13.377
Area: 540157

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	555396	18.5	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\120910.B\DFT1209.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 09-DEC-2010 17:31
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\120910.B\DFTPP.m
Meth Date : 08-Dec-2010 09:15 onishim Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
10.029	10.092	(0.000)	198	859776			0.00- 100.00	100.00
10.029	10.092	(0.000)	51	382912			30.00- 60.00	44.54
10.029	10.092	(0.000)	68	5118			0.00- 2.00	1.43
10.029	10.092	(0.000)	69	358400			0.00- 0.00	41.69
10.029	10.092	(0.000)	70	2058			0.00- 2.00	0.57
10.029	10.092	(0.000)	127	477312			40.00- 60.00	55.52
10.029	10.092	(0.000)	197	6272			0.00- 1.00	0.73
10.029	10.092	(0.000)	199	56664			5.00- 9.00	6.59
10.029	10.092	(0.000)	275	192192			10.00- 30.00	22.35
10.029	10.092	(0.000)	365	23912			1.00- 0.00	2.78
10.029	10.092	(0.000)	441	124512			0.01- 99.99	75.67
10.029	10.092	(0.000)	442	856320			40.00- 0.00	99.60
10.029	10.092	(0.000)	443	164544			17.00- 23.00	19.22

Data File: \\SV5\C\chem\sv5.i\120910.B\DFT1209.D

Date : 09-DEC-2010 17:31

Client ID:

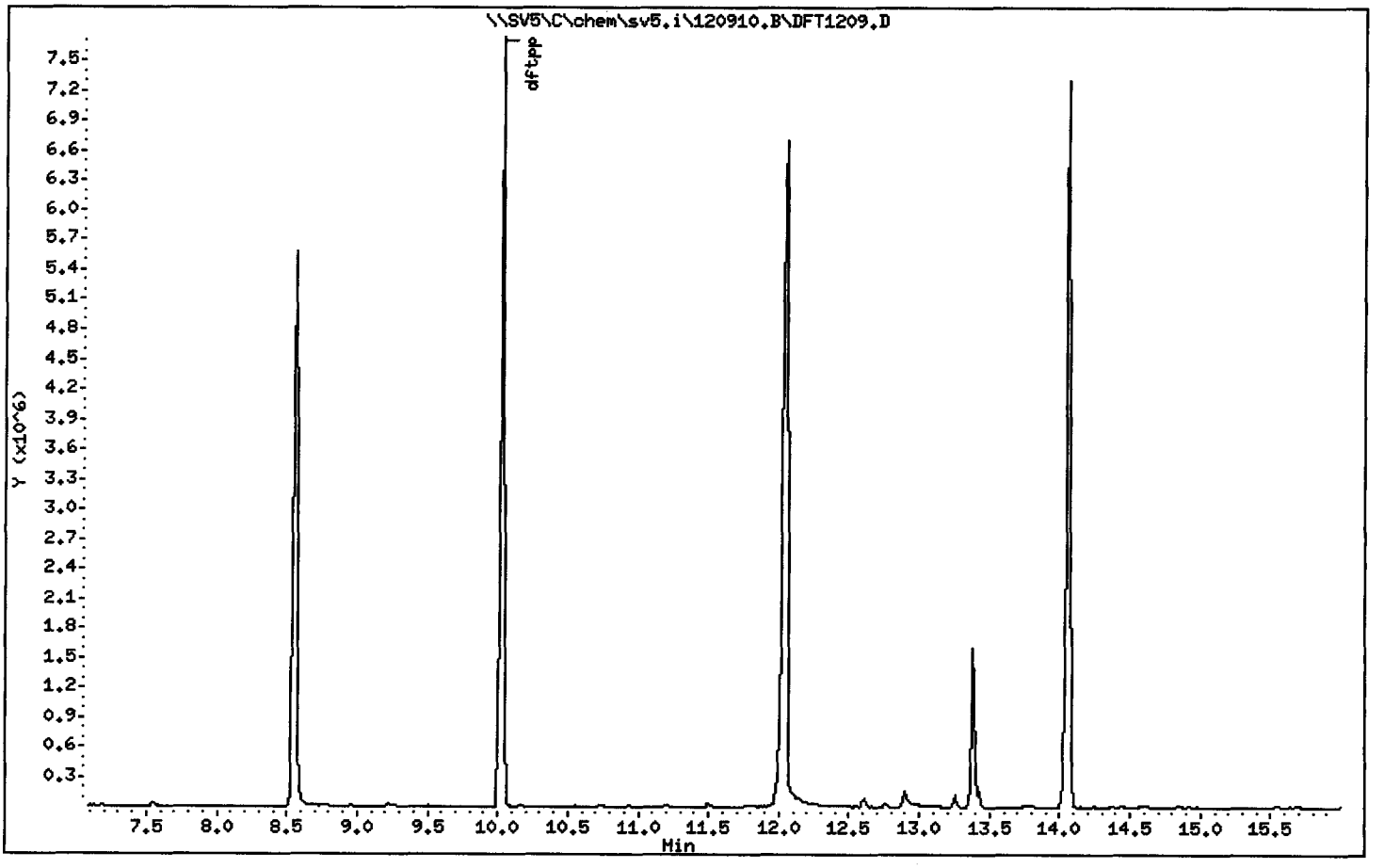
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\120910.B\DFT1209.D

Date : 09-DEC-2010 17:31

Client ID:

Instrument: sv5.i

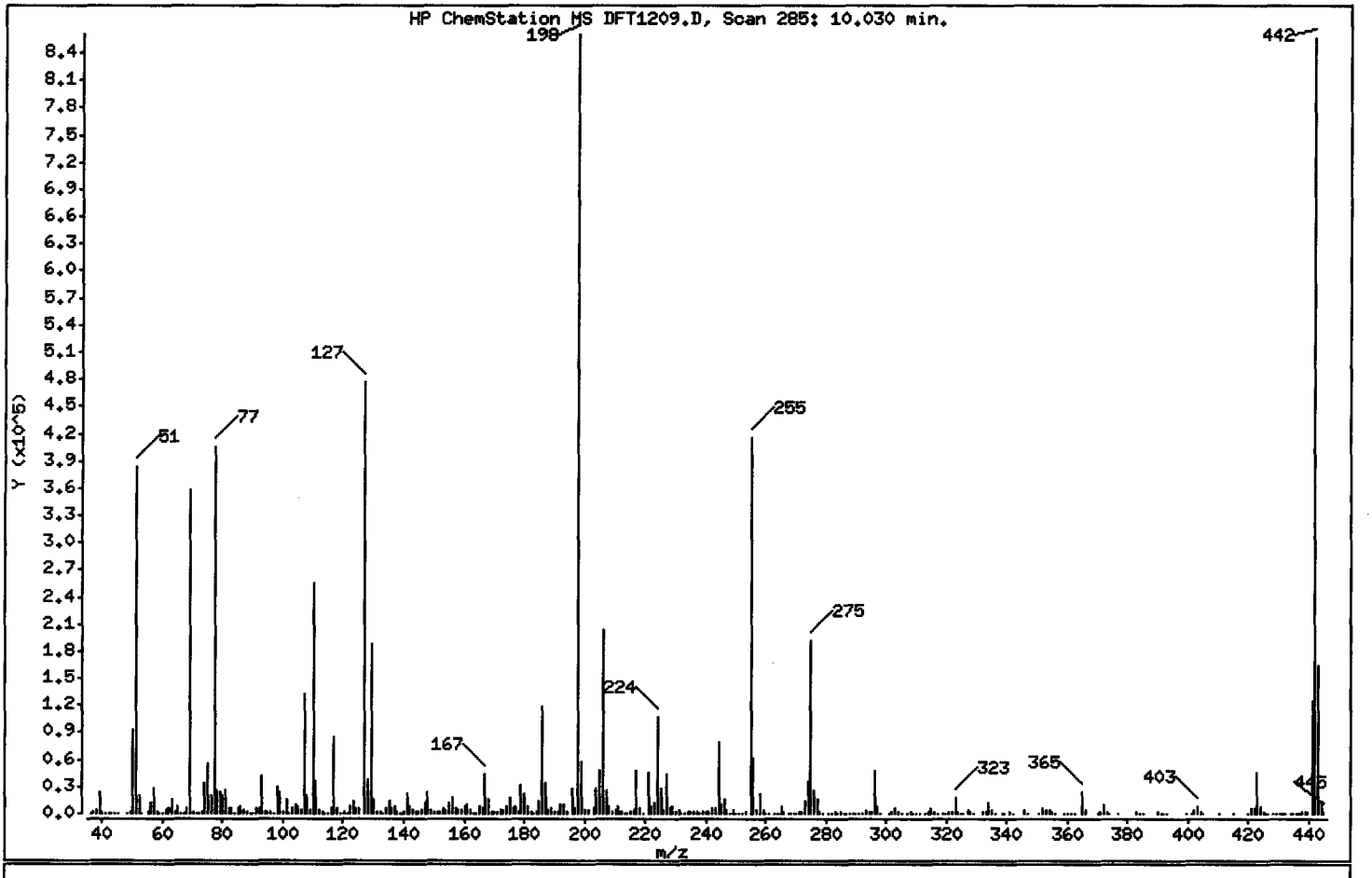
Sample Info: DFTPP 50ug/ml;

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 - 60.00% of mass 198	44.54
68	Less than 2.00% of mass 69	0.60 (1.43)
69	Mass 69 relative abundance	41.69
70	Less than 2.00% of mass 69	0.24 (0.57)
127	40.00 - 60.00% of mass 198	55.52
197	Less than 1.00% of mass 198	0.73
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 30.00% of mass 198	22.35
365	Greater than 1.00% of mass 198	2.78
441	Present, but less than mass 443	14.48
442	Greater than 40.00% of mass 198	99.60
443	17.00 - 23.00% of mass 442	19.14 (19.22)

Date : 09-DEC-2010 17:31

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1209.D
Spectrum: HP ChemStation MS DFT1209.D, Scan 285: 10.030 min.
Location of Maximum: 198.00
Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	537	129.00	188224	218.00	5770	315.00	5441
37.00	1450	130.00	15019	219.10	662	316.10	2856
38.10	4405	131.00	2471	221.00	46280	317.00	719
39.10	24344	132.10	1603	222.00	7180	319.00	228
40.00	1581	133.00	440	223.00	11511	319.80	284
41.10	917	134.00	5067	224.10	105880	321.00	1391
42.00	216	135.00	14603	225.10	28232	322.10	1241
43.00	481	136.00	5759	226.10	3163	323.00	17816
44.00	920	137.00	7793	227.00	44464	324.00	2844
45.00	656	137.80	1393	228.10	5403	325.10	552
48.20	226	138.80	788	229.00	8700	325.80	301
49.10	2252	139.10	941	230.10	1252	327.00	3401
50.10	93600	139.90	1750	231.10	3479	328.00	1533
51.10	382912	141.00	21816	232.10	456	329.00	337
52.10	19032	142.00	8108	233.10	943	332.00	1321
53.00	860	143.00	4682	234.00	2199	333.10	1672
55.00	2016	144.10	1556	235.00	2782	334.00	11664
56.00	12011	145.00	1226	235.90	1567	335.00	3425
57.00	27200	146.00	4038	237.00	2715	336.10	499
58.00	1273	147.00	11407	237.90	496	338.70	223
59.00	357	148.00	24488	238.90	1723	339.10	269
60.00	393	149.10	4733	240.00	1600	341.00	2266
61.00	4723	150.00	1652	241.00	2153	342.00	492
62.00	5268	151.20	2756	242.10	5789	346.00	4010
63.10	15151	152.00	1383	243.00	6571	347.00	764
64.10	2163	153.00	6624	244.10	79856	350.80	381
65.10	7313	154.00	4526	245.10	10745	352.00	5482
66.20	405	155.10	12207	246.00	15415	353.00	4147
67.10	883	156.10	18648	247.00	3125	354.00	4706
68.10	5118	157.10	5075	248.00	980	355.00	1219
69.00	358400	158.00	3437	249.00	3166	356.10	251
70.00	2058	159.00	3014	250.00	692	358.90	529
71.10	507	160.00	7155	250.90	938	359.90	214
72.10	246	161.10	9515	252.20	956	361.30	305
73.00	2615	162.00	3661	253.10	2591	362.70	207

Date : 09-DEC-2010 17:31

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1209.D
Spectrum: HP ChemStation MS DFT1209.D, Scan 285: 10.030 min.
Location of Maximum: 198.00
Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	33880	163.10	968	255.00	414720	365.00	23912
75.00	54368	164.00	825	256.00	60472	366.00	3115
76.10	20536	165.10	7623	257.00	4422	370.10	492
77.10	404672	166.10	6478	258.00	22368	371.00	1805
78.10	26504	167.00	43488	259.00	3901	372.00	9886
79.00	23952	168.00	15462	260.10	550	373.00	2837
80.00	19480	169.10	2861	261.10	577	373.90	581
81.00	26576	170.10	1291	263.10	325	377.00	360
82.00	6433	171.00	1354	264.00	879	383.00	2737
83.00	6502	172.00	3958	265.00	8862	384.00	571
84.10	981	173.00	4829	266.00	1337	384.90	472
85.00	5807	174.00	8279	267.60	334	390.10	1598
86.00	7429	175.00	16856	268.00	230	391.10	824
87.00	3428	176.10	5196	269.40	252	392.00	948
88.00	1060	177.00	7859	270.00	563	393.00	264
89.00	754	178.00	2590	271.00	1033	399.60	243
90.00	266	179.00	30704	272.10	1371	401.00	435
91.00	6076	180.00	21056	273.00	13396	402.00	4450
92.00	6420	181.10	8705	274.00	34792	403.00	7096
93.00	41456	182.20	1326	275.00	192192	404.00	1904
94.00	2595	182.90	798	276.00	24856	404.90	282
94.90	995	184.00	2383	277.00	16720	410.10	303
96.00	1943	185.00	14716	278.00	2320	415.20	410
97.00	710	186.10	119504	279.00	721	419.70	251
98.00	28888	187.10	33568	280.90	276	421.00	5848
99.00	23424	188.00	3494	282.00	556	422.00	5873
100.00	2327	189.00	6777	283.10	2201	423.00	45552
101.00	16033	190.00	1424	284.00	839	424.00	8546
102.10	913	191.10	2958	285.10	2730	425.10	1253
103.00	5517	192.00	9467	286.10	783	426.00	439
104.00	10077	193.10	10166	287.00	259	426.50	297
105.00	8880	194.00	2230	288.20	264	428.10	410
106.10	3456	196.00	27416	288.90	590	429.00	479
107.00	131520	196.70	6272	290.00	780	430.20	311
108.00	19432	198.00	859776	291.00	661	430.80	459

Date : 09-DEC-2010 17:31

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1209.D
Spectrum: HP ChemStation MS DFT1209.D, Scan 285: 10.030 min.
Location of Maximum: 198.00
Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	3762	199.00	56664	292.00	658	431.70	462
110.00	255232	200.00	4617	293.00	3686	432.30	752
111.00	36296	201.40	3912	294.20	1433	434.10	601
112.00	4846	203.00	5114	295.10	1715	434.70	683
113.10	1726	204.00	28104	296.00	46504	435.90	565
114.00	424	205.10	47592	297.00	7485	436.50	955
114.80	668	206.10	204224	298.00	464	436.90	843
116.10	6457	207.10	24896	300.90	751	437.90	1345
117.00	85976	208.00	6979	301.90	1108	438.70	1457
118.00	6112	209.00	2217	303.10	6246	439.30	1580
119.10	919	210.10	3148	304.00	1772	441.00	124512
120.10	2062	211.10	7669	305.10	655	442.00	856320
121.20	637	211.60	2030	306.90	259	443.00	164544
122.00	7565	212.10	1038	308.00	1041	444.00	13202
123.00	14627	213.10	396	309.00	366	445.00	1076
124.00	4994	213.90	325	310.10	533		
125.00	6415	215.00	2352	310.90	315		
127.00	477312	216.10	3668	313.00	683		
128.00	37120	217.00	46848	314.00	2600		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\120910.B\S120901.D
Lab Smp Id: MAXT91AA G0L060000- Client Smp ID: 0340362
Inj Date : 09-DEC-2010 18:55
Operator : KT Inst ID: sv5.i
Smp Info : MAXT91AA G0L060000-362B;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\120910.B\8270f.m
Meth Date : 10-Dec-2010 11:02 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1
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	3.491	3.501	(1.000)	67932	40.0000		(Q)
* 2	Naphthalene-d8	136	4.900	4.910	(1.000)	282863	40.0000		
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	152045	40.0000		
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	235752	40.0000		
* 5	Chrysene-d12	240	13.107	13.107	(1.000)	221137	40.0000		
* 6	Perylene-d12	264	15.460	15.460	(1.000)	226311	40.0000		
$ 7	2-Fluorophenol	112	2.288	2.299	(0.656)	152349	63.6254	63.62	
$ 8	Phenol-d5	99	3.190	3.190	(0.914)	202224	67.1613	67.16	
$ 10	1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.059)	53913	32.2246	32.22	(Q)
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.841)	84856	35.4185	35.42	
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	179196	36.5868	36.59	
$ 13	2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	61272	92.7392	92.74	
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	194486	44.6498	44.65	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

12/10/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAXT91AA G0L060000- Client Smp ID: 0340362
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\120910.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	63.62	63.63	41-105
$ 8 Phenol-d5	100.0	67.16	67.16	43-122
$ 10 1,2-Dichlorobenzen	50.00	32.22	64.45	60-120
$ 11 Nitrobenzene-d5	50.00	35.42	70.84	46-118
$ 12 2-Fluorobiphenyl	50.00	36.59	73.17	58-105
$ 13 2,4,6-Tribromophen	100.0	92.74	92.74	61-118
$ 14 Terphenyl-d14	50.00	44.65	89.30	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\120910.B\S120901.D
Lab Smp Id: MAXT91AA G0L060000- Client Smp ID: 0340362
Inj Date : 09-DEC-2010 18:55
Operator : KT Inst ID: sv5.i
Smp Info : MAXT91AA G0L060000-362B;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\120910.B\8270F.m
Meth Date : 10-Dec-2010 08:52 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	3.491	3.501	(1.000)	67932	40.0000		(Q)
* 2	Naphthalene-d8	136	4.900	4.910	(1.000)	282863	40.0000		
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	152045	40.0000		
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	235752	40.0000		
* 5	Chrysene-d12	240	13.107	13.107	(1.000)	221137	40.0000		
* 6	Perylene-d12	264	15.460	15.460	(1.000)	226311	40.0000		
$ 7	2-Fluorophenol	112	2.288	2.299	(0.656)	152349	63.6254	63.62	
$ 8	Phenol-d5	99	3.190	3.190	(0.914)	202224	67.1613	67.16	
$ 10	1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.059)	53913	32.2246	32.22	(Q)
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.841)	84856	35.4185	35.42	
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	179196	36.5868	36.59	
$ 13	2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	61272	92.7392	92.74	
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	194486	44.6498	44.65	
108	Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S120901.D
Lab Smp Id: MAXT91AA G0L060000-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

Calibration Date: 09-DEC-2010
Calibration Time: 17:52
Client Smp ID: 0340362
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	122625	61313	245250	67932	-44.60
2 Naphthalene-d8	530514	265257	1061028	282863	-46.68
3 Acenaphthene-d10	282538	141269	565076	152045	-46.19
4 Phenanthrene-d10	462722	231361	925444	235752	-49.05
5 Chrysene-d12	435850	217925	871700	221137	-49.26
6 Perylene-d12	422284	211142	844568	226311	-46.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.50	3.00	4.00	3.49	-0.30
2 Naphthalene-d8	4.91	4.41	5.41	4.90	-0.21
3 Acenaphthene-d10	6.99	6.49	7.49	6.99	-0.00
4 Phenanthrene-d10	8.84	8.34	9.34	8.84	-0.00
5 Chrysene-d12	13.11	12.61	13.61	13.11	-0.00
6 Perylene-d12	15.46	14.96	15.96	15.46	-0.00

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

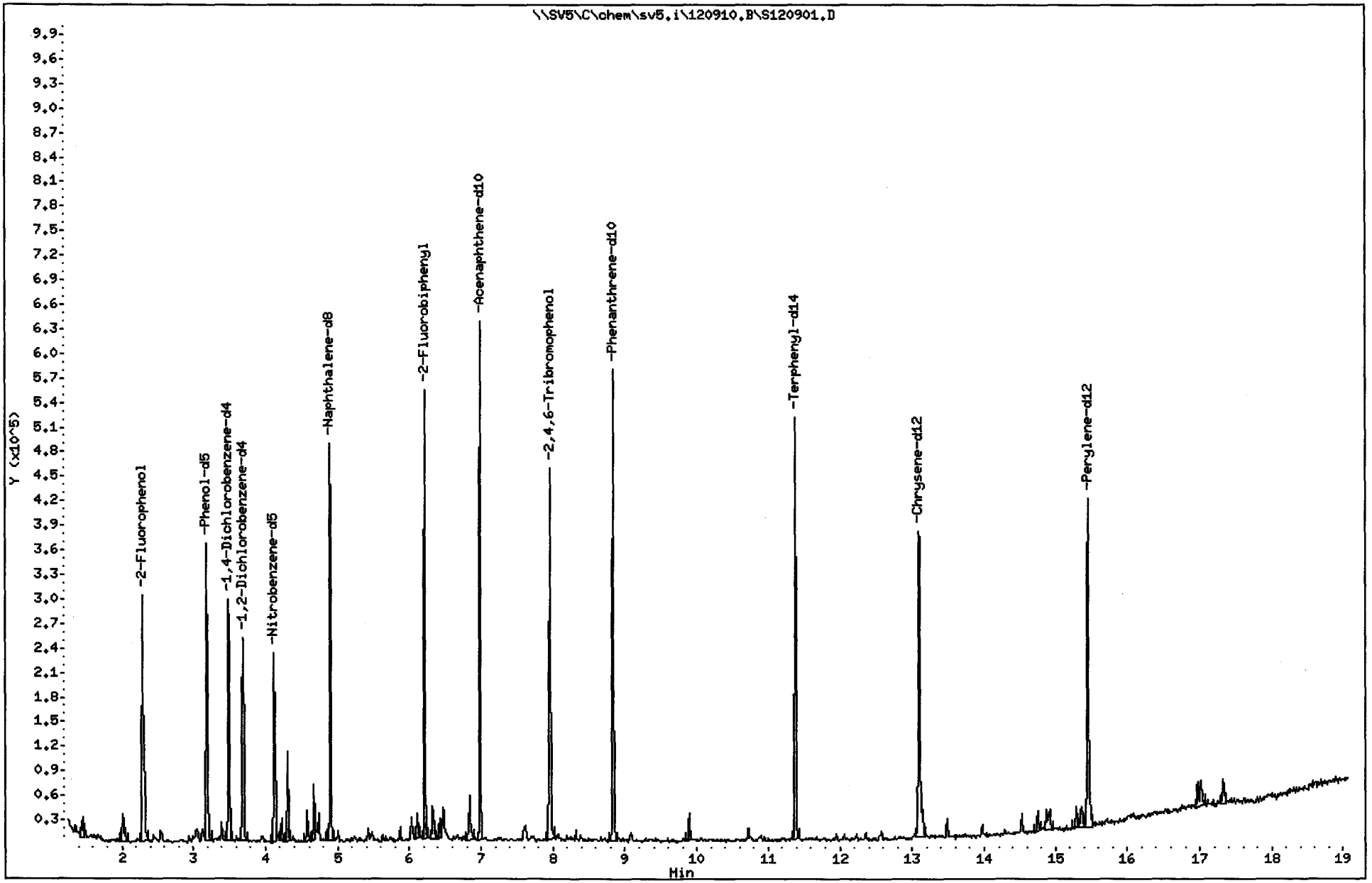
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAXT91AA G0L060000- Client Smp ID: 0340362
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\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	63.62	63.63	41-105
$ 8 Phenol-d5	100.0	67.16	67.16	43-122
$ 10 1,2-Dichlorobenzen	50.00	32.22	64.45	60-120
$ 11 Nitrobenzene-d5	50.00	35.42	70.84	46-118
$ 12 2-Fluorobiphenyl	50.00	36.59	73.17	58-105
$ 13 2,4,6-Tribromophen	100.0	92.74	92.74	61-118
$ 14 Terphenyl-d14	50.00	44.65	89.30	69-110

Data File: \\SV5\C\chem\sv5.i\120910.B\S120901.D
Date : 09-DEC-2010 18:55
Client ID: 0340362
Instrument: sv5.i
Sample Info: MAXT91AA GOL060000-362B;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\120910.B\S120902.D
Lab Smp Id: MAXT91AC G0L060000-
Inj Date : 09-DEC-2010 19:19
Operator : KT Inst ID: sv5.i
Smp Info : MAXT91AC G0L060000-362C;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\120910.B\8270f.m
Meth Date : 10-Dec-2010 11:02 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 QC Sample: LCS
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	3.501	3.501	(1.000)	91869	40.0000	
* 2	Naphthalene-d8	136	4.910	4.910	(1.000)	381388	40.0000	
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	207197	40.0000	
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	327189	40.0000	
* 5	Chrysene-d12	240	13.107	13.107	(1.000)	305660	40.0000	
* 6	Perylene-d12	264	15.460	15.460	(1.000)	284226	40.0000	
$ 7	2-Fluorophenol	112	2.299	2.299	(0.657)	237327	73.2898	73.29
$ 8	Phenol-d5	99	3.190	3.190	(0.911)	319275	78.4074	78.41
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.840)	136798	42.3483	42.35
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	300349	44.9998	45.00
$ 13	2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	88840	98.6730	98.67
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	268957	44.6721	44.67
108	Hexachlorobenzene	284	8.434	8.434	(0.954)	167062	93.6594	93.66

12/10/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAXT91AC G0L060000-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCS
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\sv5\c\chem\sv5.i\120910.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	93.66	93.66	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	73.29	73.29	41-105
$ 8 Phenol-d5	100.0	78.41	78.41	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	42.35	84.70	46-118
$ 12 2-Fluorobiphenyl	50.00	45.00	90.00	58-105
$ 13 2,4,6-Tribromophen	100.0	98.67	98.67	61-118
$ 14 Terphenyl-d14	50.00	44.67	89.34	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\120910.B\S120902.D
Lab Smp Id: MAXT91AC G0L060000-
Inj Date : 09-DEC-2010 19:19
Operator : KT Inst ID: sv5.i
Smp Info : MAXT91AC G0L060000-362C;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\120910.B\8270F.m
Meth Date : 10-Dec-2010 08:52 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	3.501	3.501	(1.000)	91869	40.0000	
* 2	Naphthalene-d8	136	4.910	4.910	(1.000)	381388	40.0000	
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	207197	40.0000	
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	327189	40.0000	
* 5	Chrysene-d12	240	13.107	13.107	(1.000)	305660	40.0000	
* 6	Perylene-d12	264	15.460	15.460	(1.000)	284226	40.0000	
$ 7	2-Fluorophenol	112	2.299	2.299	(0.657)	237327	73.2898	73.29
$ 8	Phenol-d5	99	3.190	3.190	(0.911)	319275	78.4074	78.41
$ 10	1,2-Dichlorobenzene-d4	152	3.501	3.698	(1.000)	91869	40.6039	40.60(q)
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.840)	136798	42.3483	42.35
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	300349	44.9998	45.00
$ 13	2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	88840	98.6730	98.67
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	268957	44.6721	44.67
108	Hexachlorobenzene	284	8.434	8.434	(0.954)	167062	93.6594	93.66

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S120902.D
Lab Smp Id: MAXT91AC G0L060000-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 09-DEC-2010
Calibration Time: 17:52
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	122625	61313	245250	91869	-25.08
2 Naphthalene-d8	530514	265257	1061028	381388	-28.11
3 Acenaphthene-d10	282538	141269	565076	207197	-26.67
4 Phenanthrene-d10	462722	231361	925444	327189	-29.29
5 Chrysene-d12	435850	217925	871700	305660	-29.87
6 Perylene-d12	422284	211142	844568	284226	-32.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.50	3.00	4.00	3.50	-0.00
2 Naphthalene-d8	4.91	4.41	5.41	4.91	-0.00
3 Acenaphthene-d10	6.99	6.49	7.49	6.99	-0.00
4 Phenanthrene-d10	8.84	8.34	9.34	8.84	-0.00
5 Chrysene-d12	13.11	12.61	13.61	13.11	-0.00
6 Perylene-d12	15.46	14.96	15.96	15.46	-0.00

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

TestAmerica West Sacramento

RECOVERY REPORT

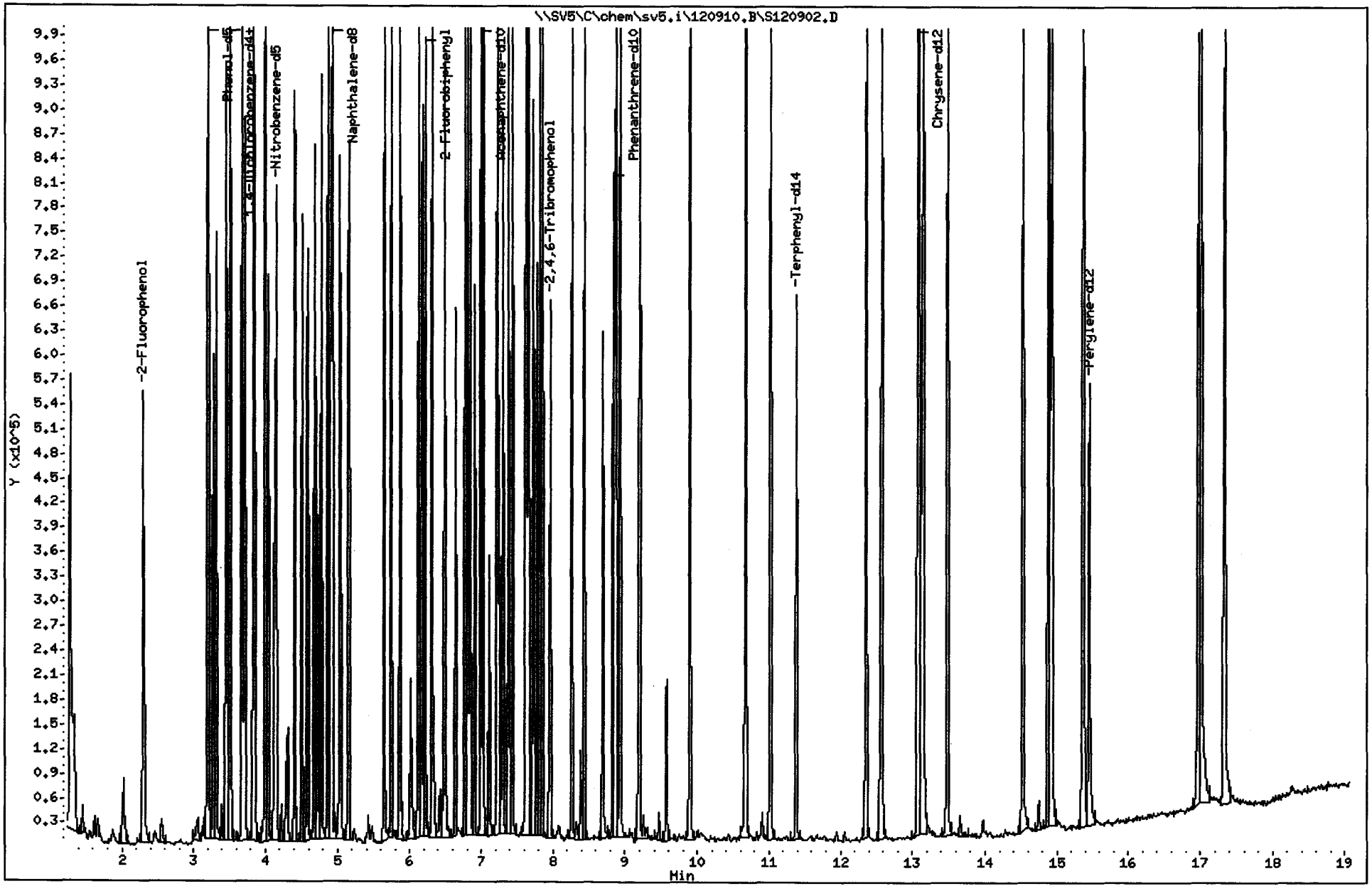
Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAXT91AC G0L060000-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCS
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	93.66	93.66	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	73.29	73.29	41-105
$ 8 Phenol-d5	100.0	78.41	78.41	43-122
$ 10 1,2-Dichlorobenzen	50.00	40.60	81.21	60-120
$ 11 Nitrobenzene-d5	50.00	42.35	84.70	46-118
$ 12 2-Fluorobiphenyl	50.00	45.00	90.00	58-105
$ 13 2,4,6-Tribromophen	100.0	98.67	98.67	61-118
$ 14 Terphenyl-d14	50.00	44.67	89.34	69-110

Data File: \\SV5\C\chem\sv5.i\120910.B\S120902.D
Date : 09-DEC-2010 19:19
Client ID:
Sample Info: MAXT91AC G0L060000-362C;3;LCS;;1000;;1000;2
Volume Injected (uL): 1.0
Column phase:

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



Data File: \\SV5\C\chem\sv5.i\120910.B\S120902.D

Date : 09-DEC-2010 19:19

Client ID:

Instrument: sv5.i

Sample Info: MAXT91AC G0L060000-362C;3;LCS;;1000;;1000;2

Volume Injected (uL): 1.0

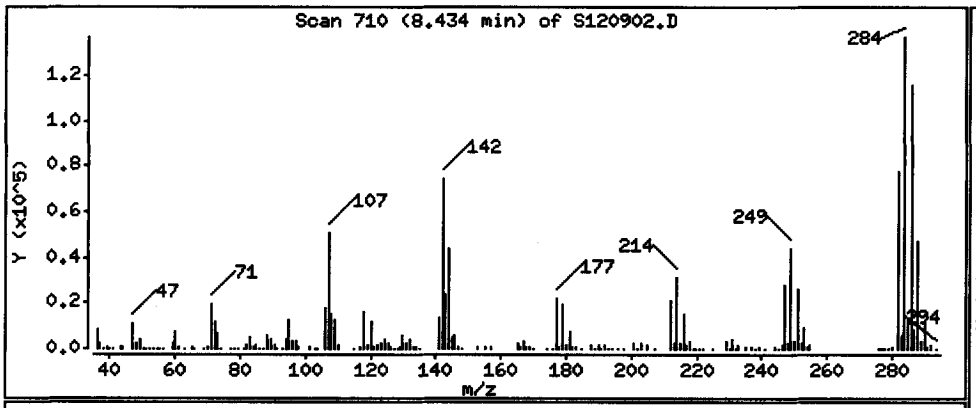
Operator: KT

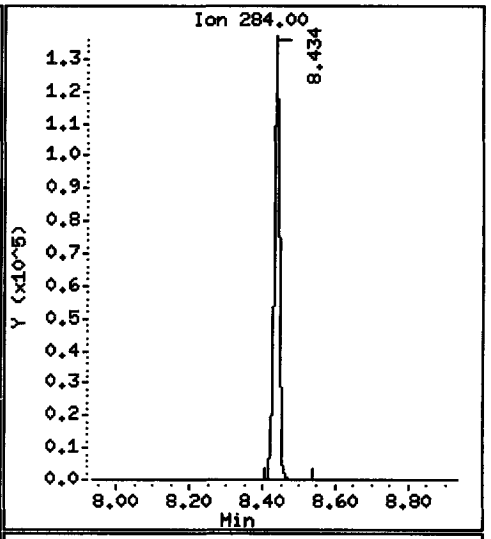
Column phase:

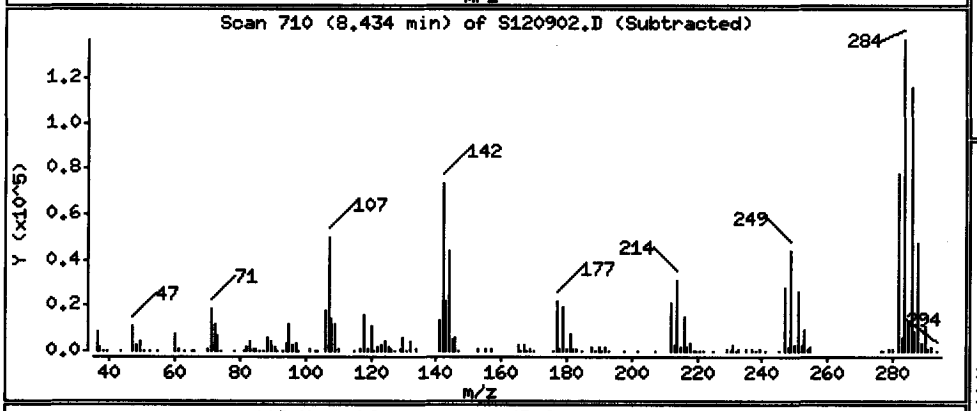
Column diameter: 2.00

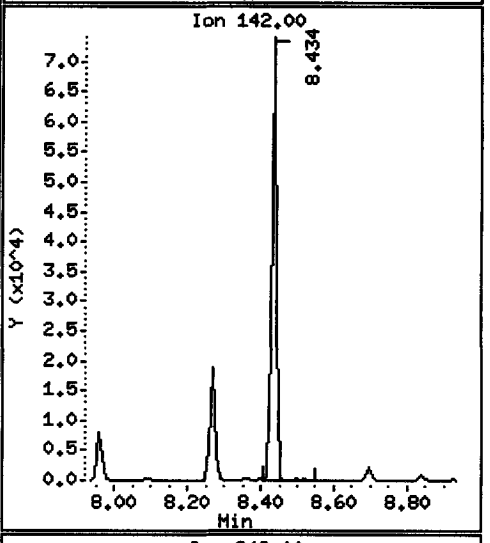
108 Hexachlorobenzene

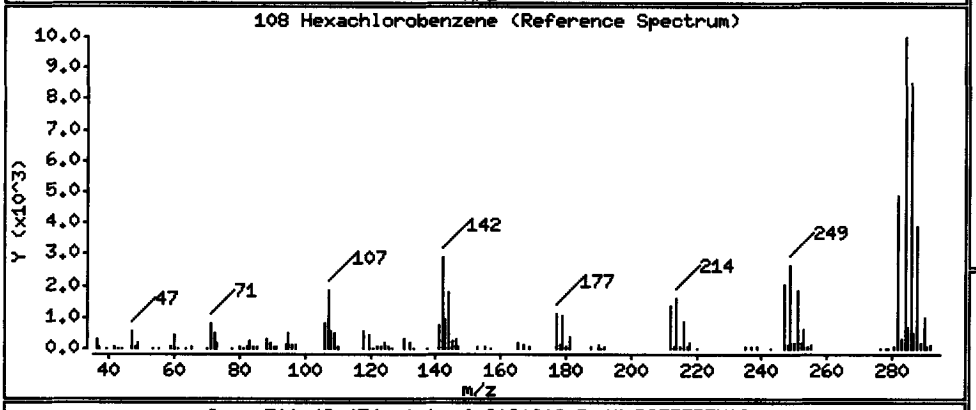
Concentration: 93.66 ug/L

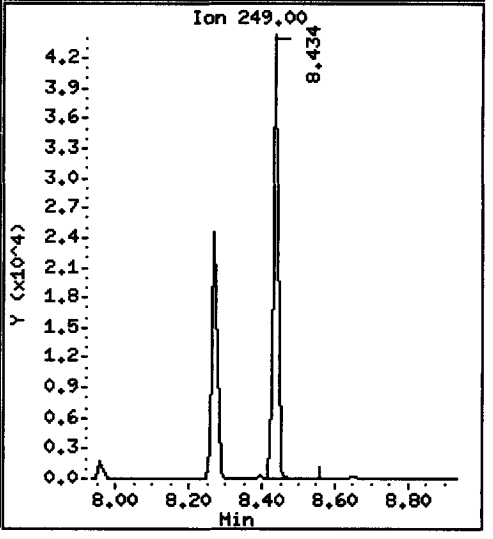


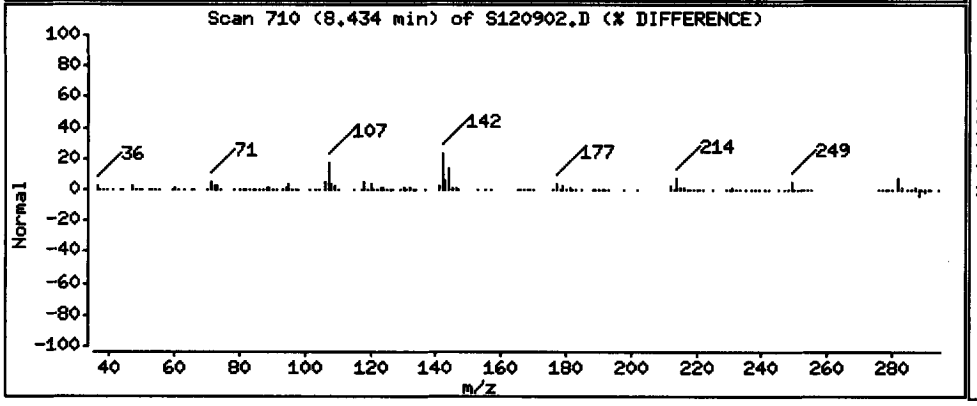












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\120910.B\S120903.D
Lab Smp Id: MAXT91AD G0L060000-
Inj Date : 09-DEC-2010 19:44
Operator : KT Inst ID: sv5.i
Smp Info : MAXT91AD G0L060000-362L;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\120910.B\8270f.m
Meth Date : 10-Dec-2010 11:02 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 3 QC Sample: LCSD
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	3.501	3.501	(1.000)	107360	40.0000	
* 2	Naphthalene-d8	136	4.910	4.910	(1.000)	457399	40.0000	
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	249566	40.0000	
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	396387	40.0000	
* 5	Chrysene-d12	240	13.107	13.107	(1.000)	380767	40.0000	
* 6	Perylene-d12	264	15.460	15.460	(1.000)	375308	40.0000	
$ 7	2-Fluorophenol	112	2.299	2.299	(0.657)	297095	78.5088	78.51
$ 8	Phenol-d5	99	3.190	3.190	(0.911)	398905	83.8278	83.83
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.840)	168790	43.5687	43.57
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	366420	45.5787	45.58
$ 13	2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	113279	104.457	104.4
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	348508	46.4671	46.47
108	Hexachlorobenzene	284	8.434	8.434	(0.954)	215442	99.6973	99.70

12/10/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAXT91AD G0L060000-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCSD
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\sv5\c\chem\sv5.i\120910.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	99.70	99.70	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	78.51	78.51	41-105
$ 8 Phenol-d5	100.0	83.83	83.83	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	43.57	87.14	46-118
$ 12 2-Fluorobiphenyl	50.00	45.58	91.16	58-105
$ 13 2,4,6-Tribromophen	100.0	104.4	104.46	61-118
$ 14 Terphenyl-d14	50.00	46.47	92.93	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\120910.B\S120903.D
Lab Smp Id: MAXT91AD G0L060000-
Inj Date : 09-DEC-2010 19:44
Operator : KT Inst ID: sv5.i
Smp Info : MAXT91AD G0L060000-362L;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\120910.B\8270F.m
Meth Date : 10-Dec-2010 08:52 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	3.501	3.501	(1.000)	107360	40.0000	
* 2	Naphthalene-d8	136	4.910	4.910	(1.000)	457399	40.0000	
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	249566	40.0000	
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	396387	40.0000	
* 5	Chrysene-d12	240	13.107	13.107	(1.000)	380767	40.0000	
* 6	Perylene-d12	264	15.460	15.460	(1.000)	375308	40.0000	
$ 7	2-Fluorophenol	112	2.299	2.299	(0.657)	297095	78.5088	78.51
$ 8	Phenol-d5	99	3.190	3.190	(0.911)	398905	83.8278	83.83
$ 10	1,2-Dichlorobenzene-d4	152	3.501	3.698	(1.000)	107360	40.6039	40.60(q)
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.840)	168790	43.5687	43.57
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	366420	45.5787	45.58
$ 13	2,4,6-Tribromophenol	330	7.967	7.967	(1.139)	113279	104.457	104.4
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	348508	46.4671	46.47
108	Hexachlorobenzene	284	8.434	8.434	(0.954)	215442	99.6973	99.70

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S120903.D
Lab Smp Id: MAXT91AD G0L060000-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 09-DEC-2010
Calibration Time: 17:52
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	122625	61313	245250	107360	-12.45
2 Naphthalene-d8	530514	265257	1061028	457399	-13.78
3 Acenaphthene-d10	282538	141269	565076	249566	-11.67
4 Phenanthrene-d10	462722	231361	925444	396387	-14.34
5 Chrysene-d12	435850	217925	871700	380767	-12.64
6 Perylene-d12	422284	211142	844568	375308	-11.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.50	3.00	4.00	3.50	-0.00
2 Naphthalene-d8	4.91	4.41	5.41	4.91	-0.00
3 Acenaphthene-d10	6.99	6.49	7.49	6.99	-0.00
4 Phenanthrene-d10	8.84	8.34	9.34	8.84	-0.00
5 Chrysene-d12	13.11	12.61	13.61	13.11	-0.00
6 Perylene-d12	15.46	14.96	15.96	15.46	-0.00

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

TestAmerica West Sacramento

RECOVERY REPORT

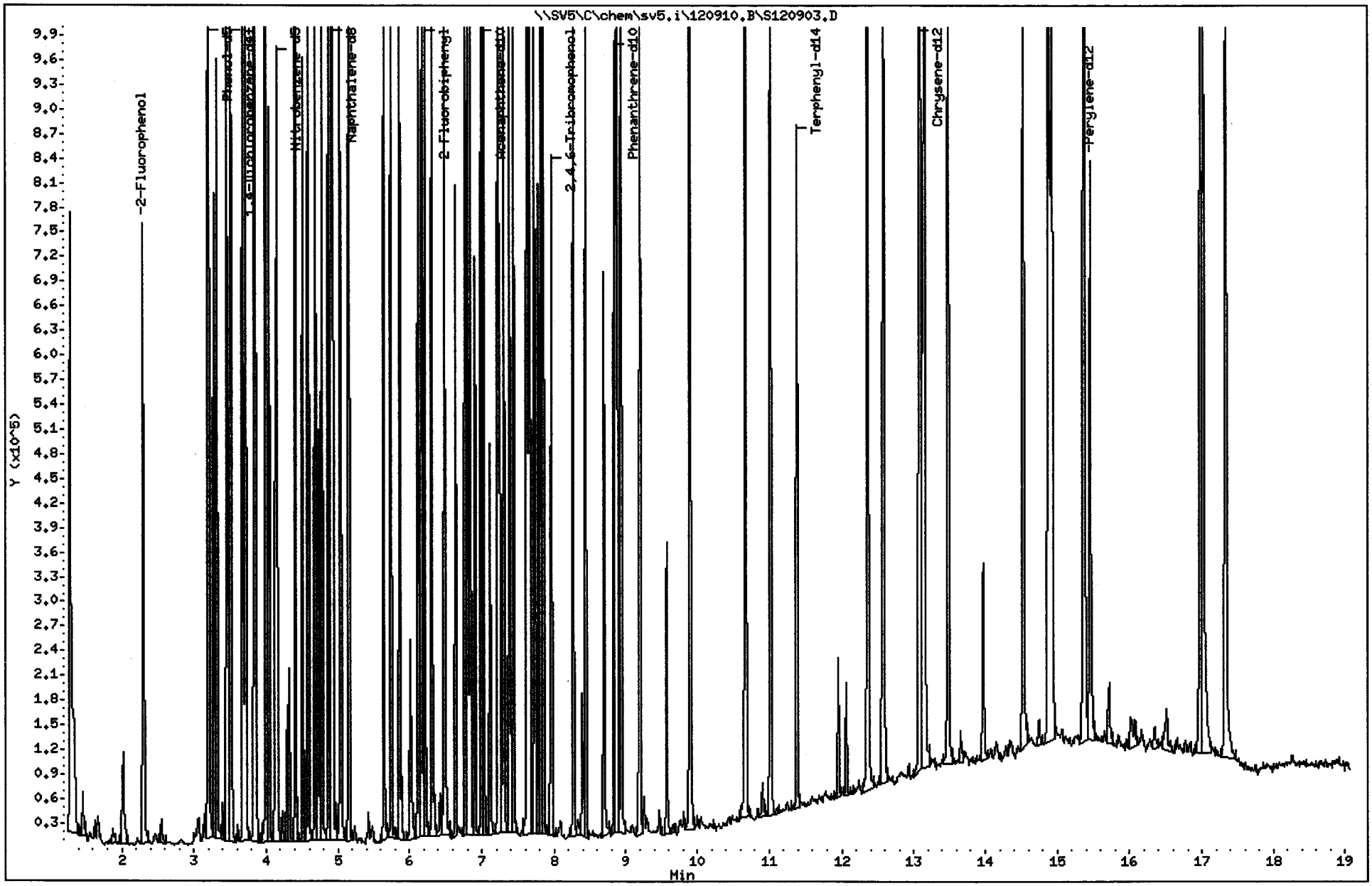
Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAXT91AD G0L060000-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCSD
SpikeList File: S11JZHCB.SPK Quant Type: ISTD
Sublist File: S11JZHCB.SUB
Method File: \\SV5\C\chem\sv5.i\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	99.70	99.70	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	78.51	78.51	41-105
$ 8 Phenol-d5	100.0	83.83	83.83	43-122
$ 10 1,2-Dichlorobenzen	50.00	40.60	81.21	60-120
$ 11 Nitrobenzene-d5	50.00	43.57	87.14	46-118
$ 12 2-Fluorobiphenyl	50.00	45.58	91.16	58-105
$ 13 2,4,6-Tribromophen	100.0	104.4	104.46	61-118
$ 14 Terphenyl-d14	50.00	46.47	92.93	69-110

Data File: \\SV5\C\chem\sv5.i\120910.B\S120903.D
Date : 09-DEC-2010 19:44
Client ID:
Sample Info: MAXT91AD G0L060000-362L;3;LCSD;;1000;;1000;2
Volume Injected (uL): 1.0
Column phase:

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



Data File: \\SV5\C\chem\sv5.i\120910.B\S120903.D

Date : 09-DEC-2010 19:44

Client ID:

Instrument: sv5.i

Sample Info: MAXT91AD G0L060000-362L;3;LCSD;;1000;;1000;2

Volume Injected (uL): 1.0

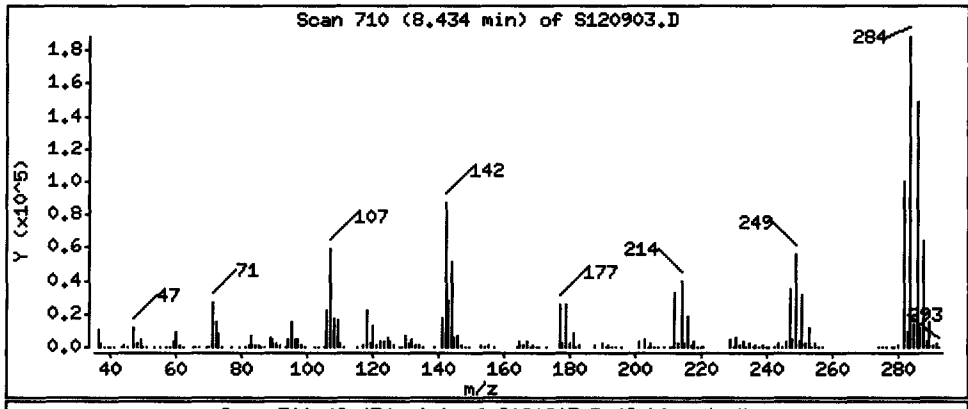
Operator: KT

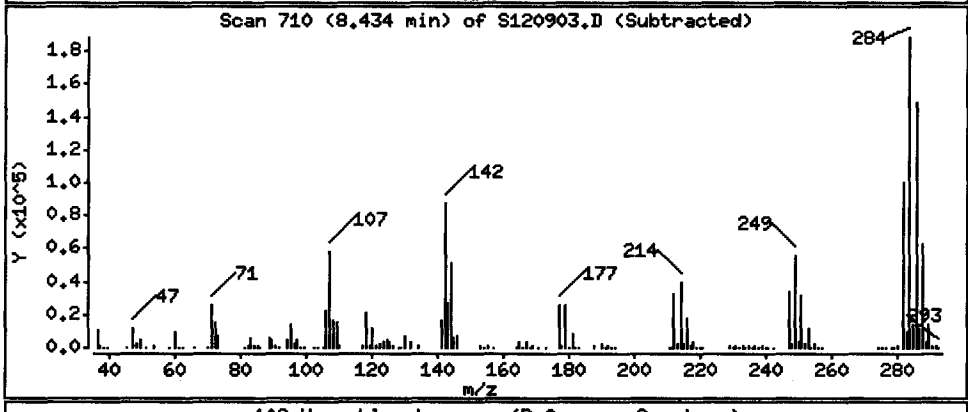
Column phase:

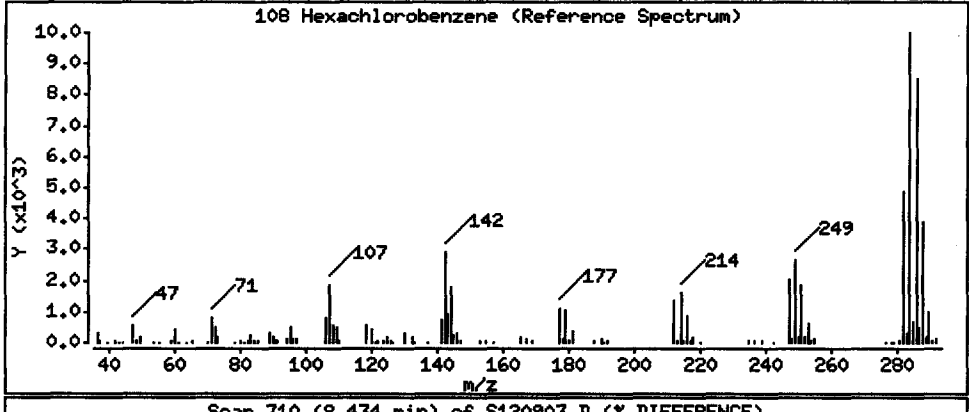
Column diameter: 2.00

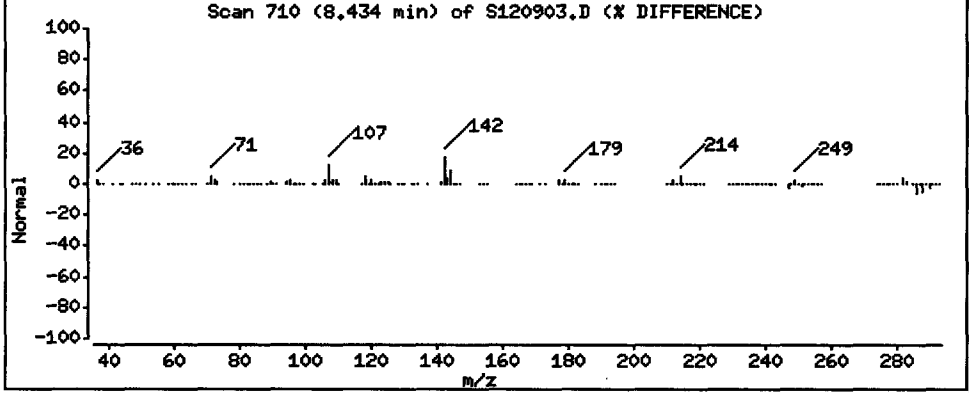
108 Hexachlorobenzene

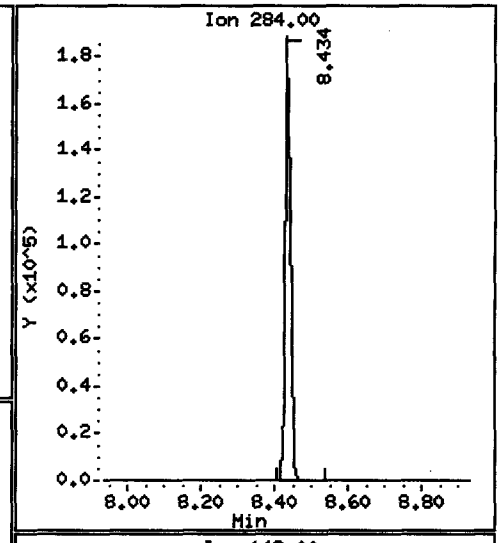
Concentration: 99.70 ug/L

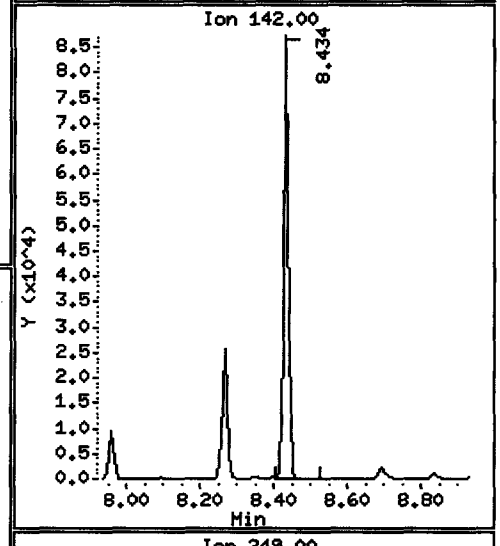


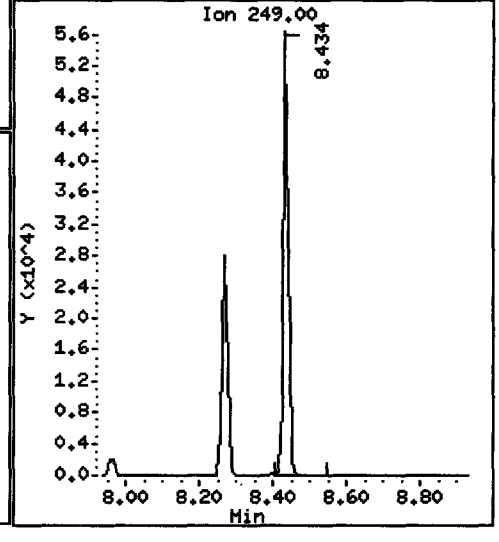












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\120910.B\S120904.D
Lab Smp Id: MAWE21AA G0L040465- Client Smp ID: 0340362
Inj Date : 09-DEC-2010 20:08
Operator : KT Inst ID: sv5.i
Smp Info : MAWE21AA G0L040465-5;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\120910.B\8270f.m
Meth Date : 10-Dec-2010 11:02 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4
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	3.501	3.501	(1.000)	102899	40.0000	(Q)
* 2	Naphthalene-d8	136	4.910	4.910	(1.000)	436923	40.0000	
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	237644	40.0000	
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	376813	40.0000	
* 5	Chrysene-d12	240	13.097	13.107	(1.000)	348668	40.0000	
* 6	Perylene-d12	264	15.460	15.460	(1.000)	340789	40.0000	
$ 7	2-Fluorophenol	112	2.299	2.299	(0.657)	205134	56.5577	56.56
$ 8	Phenol-d5	99	3.190	3.190	(0.911)	311042	68.1976	68.20
$ 10	1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.056)	73712	29.0867	29.09(qR)
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.840)	124376	33.6090	33.61
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	291404	38.0659	38.06
$ 13	2,4,6-Tribromophenol	330	7.957	7.967	(1.138)	98002	94.9033	94.90
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	320035	46.5991	46.60
108	Hexachlorobenzene	284	8.434	8.434	(0.954)	3142	1.52951	1.530(Q)

QC Flag Legend

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

12/10/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAWE21AA G0L040465- Client Smp ID: 0340362
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\120910.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	56.56	56.56	41-105
$ 8 Phenol-d5	100.0	68.20	68.20	43-122
$ 10 1,2-Dichlorobenzen	50.00	29.09	58.17*	60-120
$ 11 Nitrobenzene-d5	50.00	33.61	67.22	46-118
$ 12 2-Fluorobiphenyl	50.00	38.06	76.13	58-105
$ 13 2,4,6-Tribromophen	100.0	94.90	94.90	61-118
$ 14 Terphenyl-d14	50.00	46.60	93.20	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\120910.B\S120904.D
Lab Smp Id: MAWE21AA G0L040465- Client Smp ID: 0340362
Inj Date : 09-DEC-2010 20:08
Operator : KT Inst ID: sv5.i
Smp Info : MAWE21AA G0L040465-5;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\120910.B\8270F.m
Meth Date : 10-Dec-2010 08:52 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.501	3.501	(1.000)	102899	40.0000	(Q)
* 2 Naphthalene-d8	136	4.910	4.910	(1.000)	436923	40.0000	
* 3 Acenaphthene-d10	164	6.993	6.993	(1.000)	237644	40.0000	
* 4 Phenanthrene-d10	188	8.838	8.838	(1.000)	376813	40.0000	
* 5 Chrysene-d12	240	13.097	13.107	(1.000)	348668	40.0000	
* 6 Perylene-d12	264	15.460	15.460	(1.000)	340789	40.0000	
$ 7 2-Fluorophenol	112	2.299	2.299	(0.657)	205134	56.5577	56.56
$ 8 Phenol-d5	99	3.190	3.190	(0.911)	311042	68.1976	68.20
$ 10 1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.056)	73712	29.0867	29.09(qR)
$ 11 Nitrobenzene-d5	82	4.123	4.123	(0.840)	124376	33.6090	33.61
$ 12 2-Fluorobiphenyl	172	6.216	6.216	(0.889)	291404	38.0659	38.06
$ 13 2,4,6-Tribromophenol	330	7.957	7.967	(1.138)	98002	94.9033	94.90
$ 14 Terphenyl-d14	244	11.387	11.387	(0.869)	320035	46.5991	46.60
108 Hexachlorobenzene	284	8.434	8.434	(0.954)	3142	1.52951	1.530(Q)

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: S120904.D
Lab Smp Id: MAWE21AA G0L040465-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

Calibration Date: 09-DEC-2010
Calibration Time: 17:52
Client Smp ID: 0340362
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	122625	61313	245250	102899	-16.09
2 Naphthalene-d8	530514	265257	1061028	436923	-17.64
3 Acenaphthene-d10	282538	141269	565076	237644	-15.89
4 Phenanthrene-d10	462722	231361	925444	376813	-18.57
5 Chrysene-d12	435850	217925	871700	348668	-20.00
6 Perylene-d12	422284	211142	844568	340789	-19.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.50	3.00	4.00	3.50	0.00
2 Naphthalene-d8	4.91	4.41	5.41	4.91	0.00
3 Acenaphthene-d10	6.99	6.49	7.49	6.99	0.00
4 Phenanthrene-d10	8.84	8.34	9.34	8.84	0.00
5 Chrysene-d12	13.11	12.61	13.61	13.10	-0.08
6 Perylene-d12	15.46	14.96	15.96	15.46	0.00

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

TestAmerica West Sacramento

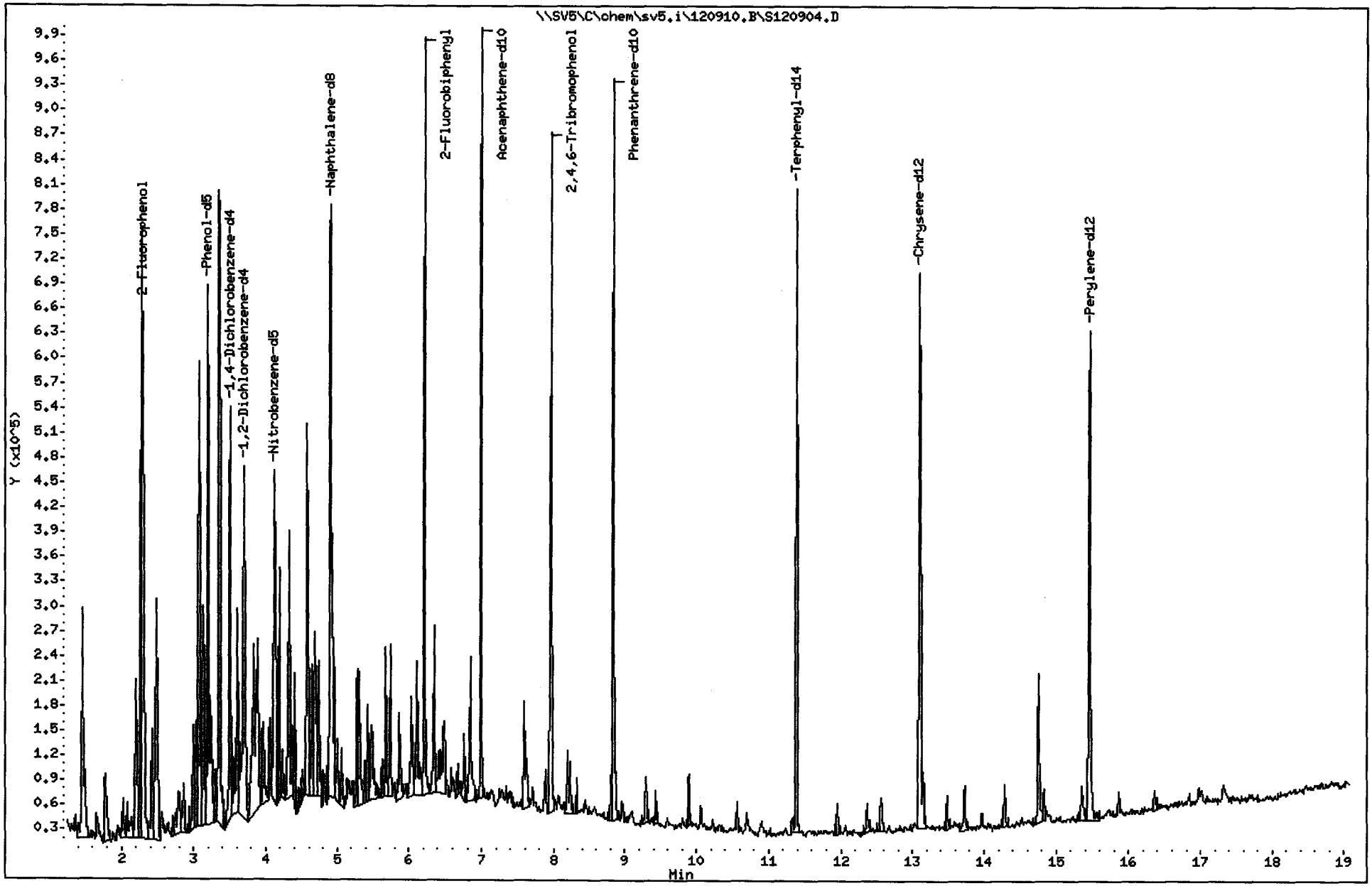
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAWE21AA G0L040465- Client Smp ID: 0340362
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\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	56.56	56.56	41-105
$ 8 Phenol-d5	100.0	68.20	68.20	43-122
$ 10 1,2-Dichlorobenzen	50.00	29.09	58.17*	60-120
$ 11 Nitrobenzene-d5	50.00	33.61	67.22	46-118
$ 12 2-Fluorobiphenyl	50.00	38.06	76.13	58-105
$ 13 2,4,6-Tribromophen	100.0	94.90	94.90	61-118
$ 14 Terphenyl-d14	50.00	46.60	93.20	69-110

Data File: \\SV5\C\chem\sv5.i\120910.B\S120904.D
Date : 09-DEC-2010 20:08
Client ID: 0340362
Sample Info: MAWE21AA GOL040465-5;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



Data File: \\SV5\C\chem\sv5.i\120910.B\S120904.D

Date : 09-DEC-2010 20:08

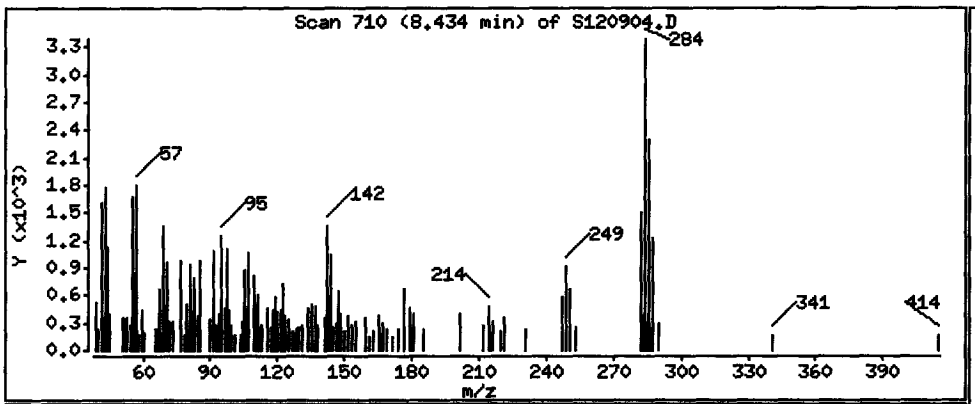
Client ID: 0340362 Instrument: sv5.i

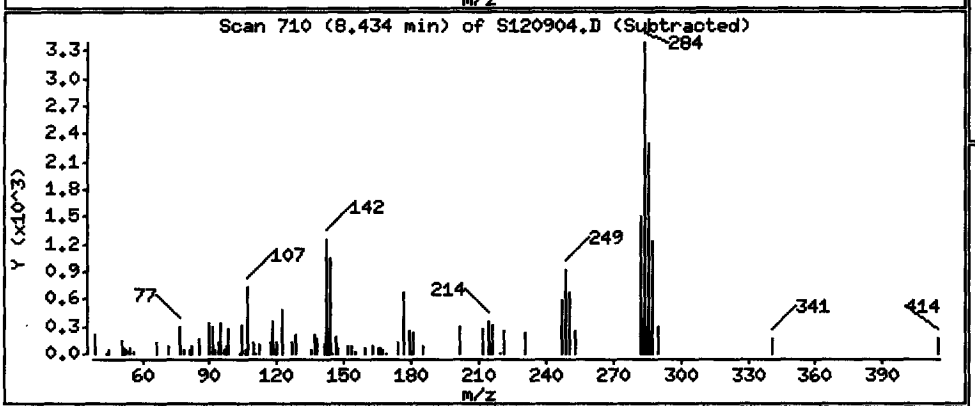
Sample Info: MAWE21AA G0L040465-5;0;;;1000;;1000;5

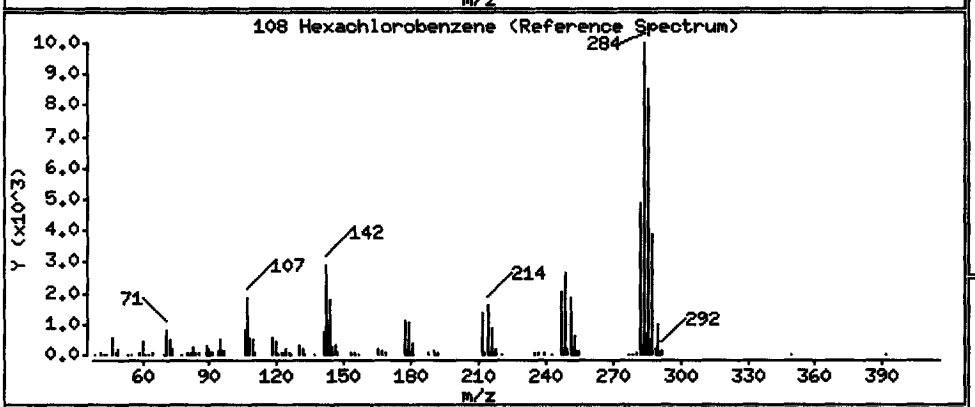
Volume Injected (uL): 1.0 Operator: KT

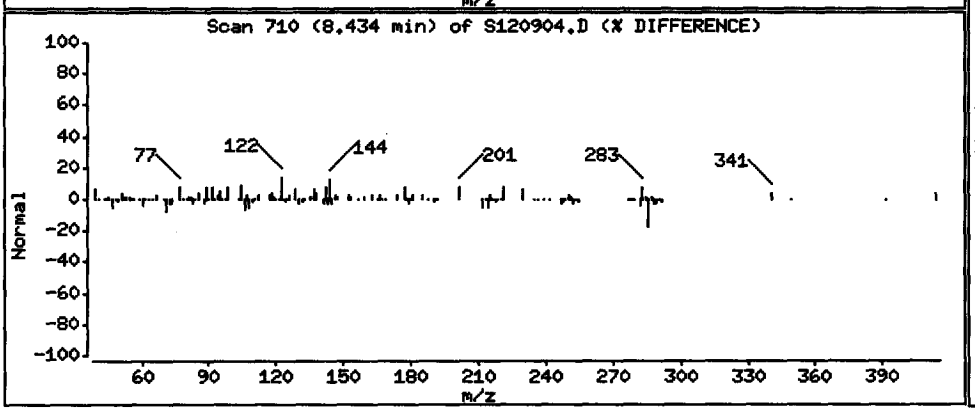
Column phase: Column diameter: 2.00

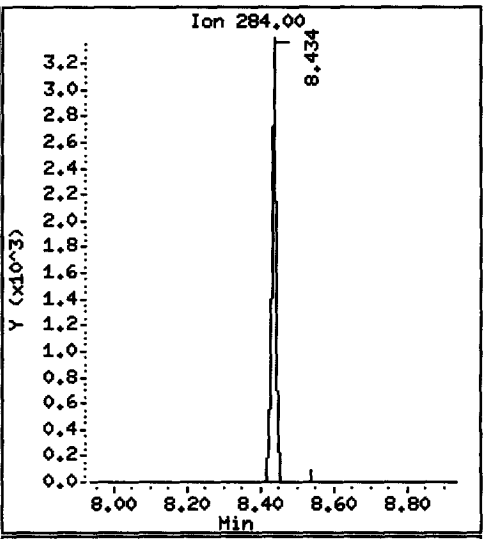
108 Hexachlorobenzene Concentration: 1.530 ug/L

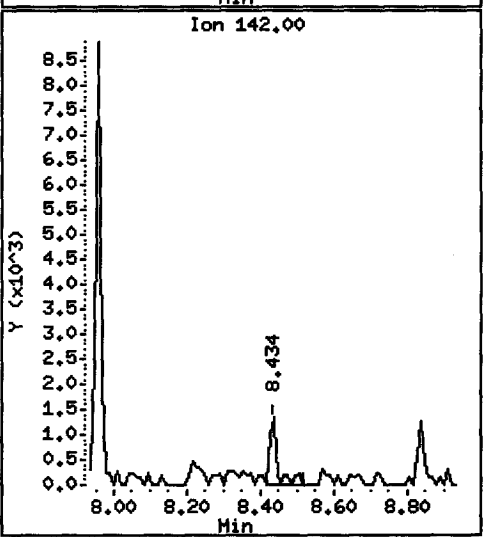


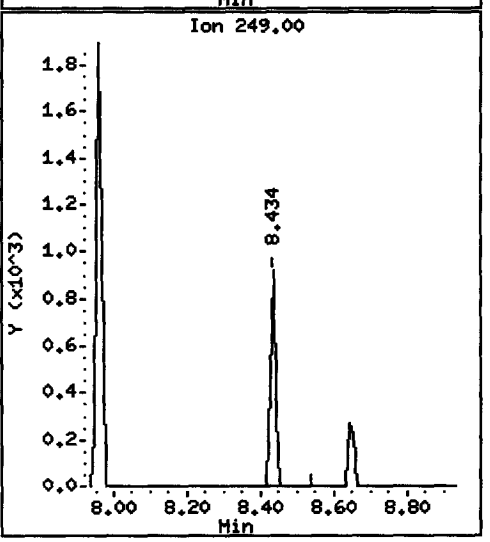












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\120910.B\S120905.D
Lab Smp Id: MAWE61AA G0L040465- Client Smp ID: 0340362
Inj Date : 09-DEC-2010 20:33
Operator : KT Inst ID: sv5.i
Smp Info : MAWE61AA G0L040465-6;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\120910.B\8270f.m
Meth Date : 10-Dec-2010 11:02 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 5
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	3.501	3.501	(1.000)	100348	40.0000		(Q)
* 2	Naphthalene-d8	136	4.910	4.910	(1.000)	429748	40.0000		
* 3	Acenaphthene-d10	164	6.993	6.993	(1.000)	235297	40.0000		
* 4	Phenanthrene-d10	188	8.838	8.838	(1.000)	381285	40.0000		
* 5	Chrysene-d12	240	13.097	13.107	(1.000)	363658	40.0000		
* 6	Perylene-d12	264	15.460	15.460	(1.000)	347542	40.0000		
$ 7	2-Fluorophenol	112	2.299	2.299	(0.657)	224402	63.4429	63.44	
$ 8	Phenol-d5	99	3.190	3.190	(0.911)	341796	76.8456	76.84	
$ 10	1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.056)	86128	34.8501	34.85	(Q)
$ 11	Nitrobenzene-d5	82	4.123	4.123	(0.840)	139198	38.2422	38.24	
$ 12	2-Fluorobiphenyl	172	6.216	6.216	(0.889)	302329	39.8870	39.89	
$ 13	2,4,6-Tribromophenol	330	7.957	7.967	(1.138)	99755	97.5644	97.56	
$ 14	Terphenyl-d14	244	11.387	11.387	(0.869)	324336	45.2787	45.28	
108	Hexachlorobenzene	284	Compound Not Detected.						

12/10/10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAWE61AA G0L040465- Client Smp ID: 0340362
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\120910.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	63.44	63.44	41-105
$ 8 Phenol-d5	100.0	76.84	76.85	43-122
$ 10 1,2-Dichlorobenzen	50.00	34.85	69.70	60-120
$ 11 Nitrobenzene-d5	50.00	38.24	76.48	46-118
$ 12 2-Fluorobiphenyl	50.00	39.89	79.77	58-105
$ 13 2,4,6-Tribromophen	100.0	97.56	97.56	61-118
$ 14 Terphenyl-d14	50.00	45.28	90.56	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\120910.B\S120905.D
Lab Smp Id: MAWE61AA G0L040465- Client Smp ID: 0340362
Inj Date : 09-DEC-2010 20:33
Operator : KT Inst ID: sv5.i
Smp Info : MAWE61AA G0L040465-6;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\120910.B\8270F.m
Meth Date : 10-Dec-2010 08:52 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1 1,4-Dichlorobenzene-d4	152	3.501	3.501	(1.000)	100348	40.0000		(Q)
* 2 Naphthalene-d8	136	4.910	4.910	(1.000)	429748	40.0000		
* 3 Acenaphthene-d10	164	6.993	6.993	(1.000)	235297	40.0000		
* 4 Phenanthrene-d10	188	8.838	8.838	(1.000)	381285	40.0000		
* 5 Chrysene-d12	240	13.097	13.107	(1.000)	363658	40.0000		
* 6 Perylene-d12	264	15.460	15.460	(1.000)	347542	40.0000		
$ 7 2-Fluorophenol	112	2.299	2.299	(0.657)	224402	63.4429	63.44	
$ 8 Phenol-d5	99	3.190	3.190	(0.911)	341796	76.8456	76.84	
$ 10 1,2-Dichlorobenzene-d4	152	3.698	3.698	(1.056)	86128	34.8501	34.85	(Q)
$ 11 Nitrobenzene-d5	82	4.123	4.123	(0.840)	139198	38.2422	38.24	
$ 12 2-Fluorobiphenyl	172	6.216	6.216	(0.889)	302329	39.8870	39.89	
$ 13 2,4,6-Tribromophenol	330	7.957	7.967	(1.138)	99755	97.5644	97.56	
$ 14 Terphenyl-d14	244	11.387	11.387	(0.869)	324336	45.2787	45.28	
108 Hexachlorobenzene	284	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S120905.D
Lab Smp Id: MAWE61AA G0L040465-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

Calibration Date: 09-DEC-2010
Calibration Time: 17:52
Client Smp ID: 0340362
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	122625	61313	245250	100348	-18.17
2 Naphthalene-d8	530514	265257	1061028	429748	-18.99
3 Acenaphthene-d10	282538	141269	565076	235297	-16.72
4 Phenanthrene-d10	462722	231361	925444	381285	-17.60
5 Chrysene-d12	435850	217925	871700	363658	-16.56
6 Perylene-d12	422284	211142	844568	347542	-17.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.50	3.00	4.00	3.50	-0.00
2 Naphthalene-d8	4.91	4.41	5.41	4.91	-0.00
3 Acenaphthene-d10	6.99	6.49	7.49	6.99	-0.00
4 Phenanthrene-d10	8.84	8.34	9.34	8.84	-0.00
5 Chrysene-d12	13.11	12.61	13.61	13.10	-0.08
6 Perylene-d12	15.46	14.96	15.96	15.46	-0.00

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

TestAmerica West Sacramento

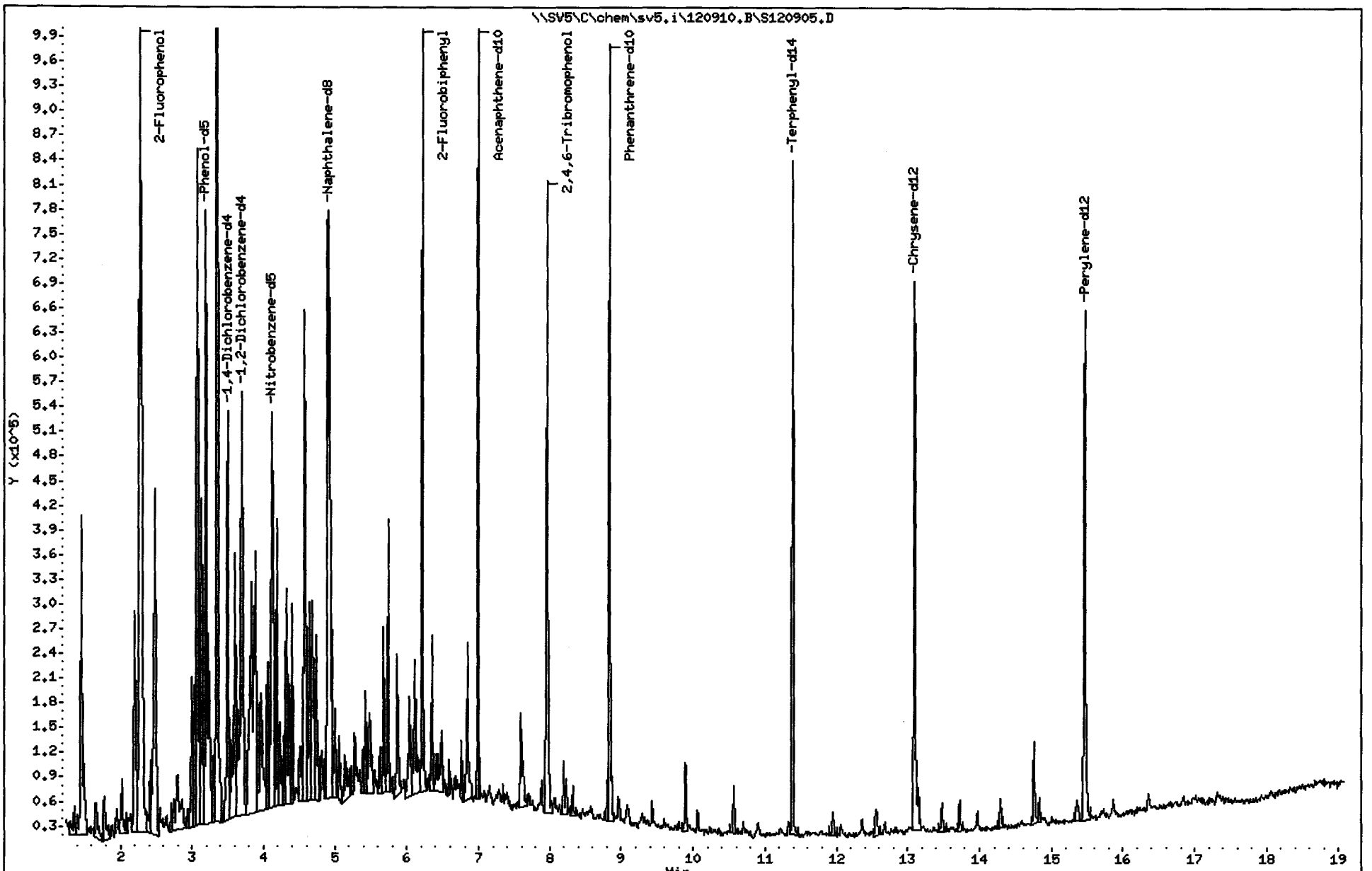
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MAWE61AA G0L040465- Client Smp ID: 0340362
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\120910.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0340362;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	63.44	63.44	41-105
$ 8 Phenol-d5	100.0	76.84	76.85	43-122
$ 10 1,2-Dichlorobenzen	50.00	34.85	69.70	60-120
$ 11 Nitrobenzene-d5	50.00	38.24	76.48	46-118
$ 12 2-Fluorobiphenyl	50.00	39.89	79.77	58-105
$ 13 2,4,6-Tribromophen	100.0	97.56	97.56	61-118
$ 14 Terphenyl-d14	50.00	45.28	90.56	69-110

Data File: \\SV5\C\chem\sv5.i\120910.B\S120905.D
Date : 09-DEC-2010 20:33
Client ID: 0340362
Sample Info: MAWE61AA GOL040465-6;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
MS SemiVOA ICAL Checklist
Method 8270C

Instrument: SV5

Injection Date: 10/02/10

Initiator/Date: KT-10/03/10

Reviewer/Date: DJ 10/4/10

DFTPP Mix ID: 10MSSV0129

STD Mix IDs: 10MSSV0307-0313

2nd Source Mix ID: 10MSSV0314, 342

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)***

None

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

None

\\SACP104\BRIGHTSIDE\BRIGHTSIDE\8270KEITH\CURVES\8270 COVER PAGES\HSL\SV5_HSL_ICAL_100210.DOC

QA-512 ERS 1/2/2008

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 : 100210.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
02-OCT-2010	11:43	KT	Primer	QC001.D	NA	NA	NA		
02-OCT-2010	12:06	KT	DFTPP 50ug/ml	DFT1002.D	NA	NA	NA		
02-OCT-2010	12:27	KT	HSL_005 ug/ml CS-1	HSL1002A.	NA	NA	NA		
02-OCT-2010	12:53	KT	HSL_010 ug/ml CS-2	HSL1002B.	NA	NA	NA		
02-OCT-2010	13:18	KT	HSL_020 ug/ml CS-3	HSL1002C.	NA	NA	NA		
02-OCT-2010	13:44	KT	HSL_050 ug/ml CS-4	HSL1002D.	NA	NA	NA		
02-OCT-2010	14:09	KT	HSL_080 ug/ml CS-5	HSL1002E.	NA	NA	NA		
02-OCT-2010	14:35	KT	HSL_120 ug/ml CS-6	HSL1002F.	NA	NA	NA		
02-OCT-2010	15:00	KT	HSL_160 ug/ml CS-7	HSL1002G.	NA	NA	NA		
02-OCT-2010	16:11	KT	HSL_050 ug/ml ICV	HSL1002H.	NA	NA	NA		
02-OCT-2010	16:36	KT	Benzidines ICV 50ug/mL	HSL1002H1	NA	NA	NA		

SV5 HSL
10/3/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	160.0000 Level 7										
15 N-Nitrosodimethylamine	0.92899	0.88268	0.91048	0.91970	0.93146	0.93916					
	0.93833						AVRG		0.92154		2.16207
16 Pyridine	1.67117	1.37423	1.59449	1.56610	1.52299	1.53256					
	1.52623						AVRG		1.54111		5.85560
23 Aniline	2.20796	2.15935	2.19988	2.26058	2.29749	2.33400					
	2.33783						AVRG		2.25673		3.09753
24 Phenol	2.04111	1.96212	2.02834	2.03430	2.06683	2.06089					
	2.06740						AVRG		2.03729		1.80250

Manual calculation for 2,4,5-Trichlorophenol @ Level 3.

$\frac{55529}{328608} \times \frac{40}{20} = 0.33796$ by 10/4/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	160.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
26 Bis(2-chloroethyl)ether	1.47335	1.38252	1.39491	1.43824	1.42549	1.44300						
	1.44264							AVRG		1.42859		2.17028
27 2-Chlorophenol	1.52099	1.55595	1.56903	1.58168	1.56789	1.58074						
	1.57039							AVRG		1.56381		1.32805
28 1,3-Dichlorobenzene	1.68903	1.69173	1.67754	1.73135	1.68641	1.72299						
	1.72457							AVRG		1.70337		1.29370
29 1,4-Dichlorobenzene	1.77122	1.79861	1.74013	1.76898	1.78200	1.79288						
	1.81444							AVRG		1.78118		1.35229
30 Benzyl Alcohol	1.01643	1.03654	0.99182	1.04980	1.07792	1.08952						
	1.09506							AVRG		1.05101		3.69696
31 1,2-Dichlorobenzene	1.62008	1.63185	1.60455	1.68061	1.63410	1.64415						
	1.64691							AVRG		1.63746		1.45884
32 2-Methylphenol	1.40818	1.38930	1.39110	1.42620	1.45565	1.46154						
	1.47889							AVRG		1.43012		2.50558

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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)	2.29602	2.22080	2.28329	2.27928	2.27018	2.27830					
	2.28770						AVRG		2.27365		1.08468
34 4-Methylphenol	1.48606	1.48913	1.46270	1.52239	1.52653	1.55886					
	1.58763						AVRG		1.51904		2.88378
36 Hexachloroethane	0.60925	0.60836	0.60573	0.61394	0.60427	0.59381					
	0.60919						AVRG		0.60636		1.04319
37 N-Nitrosodinpropylamine	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627					
	1.04757						AVRG		1.01180		3.92615
42 Nitrobenzene	0.32855	0.32602	0.32543	0.33083	0.33379	0.33450					
	0.33901						AVRG		0.33116		1.48904
44 Isophorone	0.63431	0.62291	0.61160	0.63344	0.63648	0.66468					
	0.65411						AVRG		0.63679		2.81109
45 2-Nitrophenol	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702					
	0.20508						AVRG		0.19648		4.42274

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	0.34459	0.34167	0.34307	0.34912	0.34788	0.35962					
	0.35785						AVRG		0.34911		2.02786
47 Bis(2-chloroethoxy)methane	0.41146	0.37494	0.38565	0.38249	0.38500	0.39859					
	0.38545						AVRG		0.38908		3.10601
49 2,4-Dichlorophenol	0.25434	0.26318	0.27019	0.27037	0.27274	0.28180					
	0.27809						AVRG		0.27010		3.39345
50 Benzoic Acid	0.16747	0.16266	0.17423	0.19357	0.21024	0.22272					
	0.22180						AVRG		0.19324		13.25202
51 1,2,4-Trichlorobenzene	0.29430	0.28827	0.28475	0.29747	0.29189	0.29959					
	0.29091						AVRG		0.29246		1.75989
52 Naphthalene	1.09939	1.12462	1.07435	1.09325	1.09870	1.13821					
	1.10247						AVRG		1.10443		1.89960
54 4-Chloroaniline	0.40751	0.42534	0.43264	0.43910	0.43781	0.44905					
	0.43867						AVRG		0.43288		3.06843

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	0.14295	0.13812	0.14428	0.14415	0.14385	0.14379					
	0.14473						AVRG		0.14313		1.58904
60 4-Chloro-3-Methylphenol	0.29329	0.28866	0.29079	0.30972	0.30295	0.31766					
	0.30839						AVRG		0.30164		3.64422
63 2-Methylnaphthalene	0.68483	0.68064	0.68080	0.70067	0.70560	0.71172					
	0.69217						AVRG		0.69378		1.79740
66 Hexachlorocyclopentadiene	0.26878	0.27757	0.28896	0.29704	0.30236	0.32262					
	0.33186						AVRG		0.29846		7.64489
69 2,4,6-Trichlorophenol	0.31186	0.29820	0.30223	0.31996	0.32305	0.34225					
	0.33638						AVRG		0.31913		5.15654
70 2,4,5-Trichlorphenol	0.30823	0.32892	0.33796	0.36298	0.35236	0.35480					
	0.36135						AVRG		0.34380		5.80662
71 2-Chloronaphthalene	1.13629	1.09411	1.10012	1.14181	1.11220	1.14447					
	1.15096						AVRG		1.12571		2.05054

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
73 2-Nitroaniline	0.31576	0.31759	0.33397	0.35205	0.34821	0.35794					
	0.36278						AVRG		0.34119		5.57334
76 Dimethylphthalate	1.23388	1.25191	1.29803	1.34568	1.31165	1.32891					
	1.30237						AVRG		1.29606		3.09317
77 Acenaphthylene	1.86531	1.91304	1.91818	2.01646	1.98204	1.99786					
	2.02968						AVRG		1.96037		3.15026
79 2,6-Dinitrotoluene	0.28347	0.27378	0.29890	0.31220	0.31294	0.32140					
	0.31106						AVRG		0.30197		5.78579
80 3-Nitroaniline	0.35362	0.34622	0.35978	0.40036	0.38674	0.39559					
	0.39603						AVRG		0.37691		6.06861
81 Acenaphthene	1.25874	1.22468	1.26733	1.27046	1.21141	1.24781					
	1.25463						AVRG		1.24787		1.76776
82 2,4-Dinitrophenol	4083	7537	23799	58864	110384	199007					
	265655						QUAD	0.10620	5.32413	-0.71963	0.99812

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	1.57786	1.62124	1.65200	1.69530	1.65117	1.68450					
	1.71077						AVRG		1.65612		2.77923
84 4-Nitrophenol	0.12712	0.14148	0.15316	0.16076	0.17130	0.16653					
	0.17404						AVRG		0.15634		10.90920
86 2,4-Dinitrotoluene	0.34360	0.35989	0.38479	0.42154	0.41035	0.42305					
	0.43110						AVRG		0.39633		8.61592
91 Fluorene	1.34567	1.33840	1.34292	1.39902	1.38899	1.37835					
	1.40640						AVRG		1.37139		2.08557
92 Diethylphthalate	1.22240	1.29889	1.31549	1.37912	1.31873	1.37345					
	1.38087						AVRG		1.32699		4.31889
93 4-Chlorophenyl-phenylether	0.54964	0.55917	0.56887	0.59265	0.56708	0.57695					
	0.57695						AVRG		0.57019		2.42913
94 4-Nitroaniline	0.33346	0.33747	0.37329	0.38337	0.39216	0.39102					
	0.40452						AVRG		0.37361		7.42395

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	5780	11282	32982	76137	134784	236477					
	324244						LINR	0.10840	0.15581		0.99840
98 N-Nitrosodiphenylamine	0.57756	0.59736	0.60533	0.60433	0.62172	0.61801					
	0.61968						AVRG		0.60628		2.57715
100 Azobenzene	0.77527	0.76965	0.77321	0.79522	0.80064	0.81892					
	0.77331						AVRG		0.78660		2.37146
101 4-Bromophenyl-phenylether	0.18964	0.18507	0.19281	0.19931	0.19607	0.20581					
	0.19815						AVRG		0.19527		3.48752
108 Hexachlorobenzene	0.22958	0.22054	0.20740	0.21605	0.21731	0.21704					
	0.21854						AVRG		0.21807		3.00928
110 Pentachlorophenol	5849	10551	30451	67882	126397	215360					
	293184						LINR	0.09816	0.14122		0.99845
114 Phenanthrene	1.30347	1.26007	1.25408	1.24163	1.24375	1.25610					
	1.26611						AVRG		1.26074		1.64308

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	1.25034	1.21759	1.24206	1.25982	1.27529	1.30214					
	1.26958						AVRG		1.25955		2.12888
118 Carbazole	1.13211	1.12547	1.13694	1.14260	1.17067	1.18192					
	1.16455						AVRG		1.15061		1.87826
120 Di-n-Butylphthalate	1.28492	1.32287	1.36193	1.38164	1.41474	1.43847					
	1.48636						AVRG		1.38442		4.97257
126 Fluoranthene	1.03840	1.07611	1.17216	1.10520	1.15861	1.18294					
	1.17440						AVRG		1.12969		5.01774
127 Benzidine	0.78175	0.76431	0.75250	0.82658	0.82201	0.86375					
	0.86381						AVRG		0.81067		5.60614
128 Pyrene	1.25791	1.23783	1.17078	1.28684	1.25586	1.28463					
	1.25794						AVRG		1.25025		3.12172
134 3,3'-dimethylbenzidine	0.65472	0.64388	0.67361	0.70756	0.73630	0.79414					
	0.79926						AVRG		0.71564		8.88815

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	0.64984	0.60187	0.59142	0.62586	0.61590	0.65233					
	0.64920						AVRG		0.62663		3.95034
138 Benzo(a)Anthracene	1.10169	0.99731	1.03245	1.04489	1.06449	1.10831					
	1.10920						AVRG		1.06548		4.05847
139 Chrysene	1.05284	1.10175	1.06320	1.09705	1.06985	1.12241					
	1.12246						AVRG		1.08994		2.59426
140 3,3'-Dichlorobenzidine	0.39148	0.37695	0.39090	0.39906	0.40353	0.42717					
	0.42415						AVRG		0.40189		4.53885
141 bis(2-ethylhexyl)Phthalate	0.91826	0.80897	0.84032	0.85193	0.84371	0.89539					
	0.88354						AVRG		0.86316		4.34816
142 Di-n-octylphthalate	1.34838	1.23185	1.35627	1.34433	1.39356	1.47616					
	1.50770						AVRG		1.37975		6.65055
144 Benzo(b)fluoranthene	0.81012	0.81077	0.82747	0.99930	0.95373	0.91132					
	1.02572						AVRG		0.90549		10.05836

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	1.22939	1.16528	1.20022	1.09895	1.14223	1.19597					
	1.10447						AVRG		1.16236		4.27893
147 Benzo(e)pyrene	0.90394	0.92734	0.90757	0.95977	0.96997	0.96929					
	0.97185						AVRG		0.94425		3.22007
148 Benzo(a)pyrene	0.98300	0.97686	0.99402	1.02789	1.07610	1.06275					
	1.06523						AVRG		1.02655		4.11137
151 Indeno(1,2,3-cd)pyrene	0.73783	0.73267	0.73671	0.84698	0.84057	0.93730					
	0.97995						AVRG		0.83029		12.15083
152 Dibenzo(a,h)anthracene	0.88099	0.84384	0.87256	0.92240	0.95990	1.00944					
	1.00392						AVRG		0.92758		7.07091
153 Benzo(g,h,i)perylene	0.96025	0.98457	0.97380	0.99974	1.01731	1.05397					
	1.04026						AVRG		1.00427		3.45188
M 162 benzo b,k Fluoranthene Totals	2.03951	1.97605	2.02770	2.09825	2.09596	2.10729					
	2.13019						AVRG		2.06785		2.64859

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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	1.44503	1.30436	1.38373	1.44170	1.43535	1.42292					
	1.43635						AVRG		1.40992		3.61494
$ 8 Phenol-d5	1.72227	1.67335	1.74151	1.79006	1.80863	1.83864					
	1.83627						AVRG		1.77296		3.52001
$ 9 2-Chlorophenol-d4	1.47770	1.55530	1.53916	1.59414	1.57486	1.57967					
	1.57804						AVRG		1.55698		2.52388
$ 10 1,2-Dichlorobenzene-d4	0.95776	0.98111	0.99827	0.98914	0.99518	0.98547					
	0.98896						AVRG		0.98513		1.35559
$ 11 Nitrobenzene-d5	0.33028	0.34256	0.33065	0.34105	0.33606	0.35127					
	0.33970						AVRG		0.33879		2.16217
$ 12 2-Fluorobiphenyl	1.28499	1.26007	1.27668	1.34206	1.25854	1.29723					
	1.30010						AVRG		1.28852		2.22622
$ 13 2,4,6-Tribromophenol	0.15034	0.16527	0.17466	0.17926	0.17825	0.18501					
	0.18390						AVRG		0.17381		7.05197

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	160.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
$ 14 Terphenyl-d14	0.78508	0.78616	0.73917	0.80441	0.78047	0.81889	0.80107	AVRG		0.78789		3.21384

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

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\100210.B\8270f.m
Last Edit: 04-Oct-2010 09:00 onishim
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 = 0.15933171100000
RSD: 26.349

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	7.572	5.00000	4083	7.468	40.000	321839	0.10149173965865
2	7.572	10.00000	7537	7.468	40.000	272639	0.11057845722732
3	7.572	20.00000	23799	7.468	40.000	328608	0.14484735612036
4	7.582	50.00000	58864	7.468	40.000	282538	0.16667209366528
5	7.572	80.00000	110384	7.468	40.000	300315	0.18378036395118
6	7.582	120.00000	199007	7.468	40.000	322596	0.20563077864160
7	7.582	160.00000	265655	7.478	40.000	328259	0.20232118540543

Lvl	Sublist	Calibration File
1	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002A
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002B
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002C
4	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
5	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002E
6	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002F
7	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor

1	7.582	50.000	50142	7.468	40.000	236662	0.16949742670982
2	7.572	50.000	58864	7.468	40.000	282538	0.16667209366528
3	7.582	50.000	56608	7.468	40.000	239304	0.18924213552636
4	7.589	50.000	98553	7.485	40.000	440855	0.17883975456783
5	7.599	50.000	81881	7.485	40.000	371846	0.17616109894957
6	7.599	50.000	55069	7.495	40.000	283828	0.15521794889863
7	7.599	50.000	52896	7.496	40.000	256342	0.16507946415336
8	7.599	50.000	50586	7.495	40.000	224545	0.18022578993075
9	7.610	50.000	31559	7.506	40.000	165705	0.15236233064784
10	7.610	50.000	50181	7.506	40.000	226619	0.17714666466625
11	7.610	50.000	44092	7.506	40.000	201923	0.17468837130986
12	7.620	50.000	81056	7.516	40.000	329174	0.19699247206645
13	7.620	50.000	93793	7.516	40.000	378407	0.19829020076267
14	7.630	50.000	68549	7.516	40.000	271629	0.20189007801082
15	7.630	50.000	54835	7.516	40.000	219680	0.19969045884924
16	7.630	50.000	67628	7.527	40.000	267569	0.20219980640508
17	7.630	50.000	94376	7.527	40.000	349016	0.21632475301992
18	7.635	50.000	51607	7.532	40.000	209252	0.19730086211840
19	7.635	50.000	62563	7.531	40.000	260404	0.19220288474831
20	7.646	50.000	80386	7.542	40.000	334425	0.19229662854153
21	7.645	50.000	25473	7.542	40.000	302573	0.06735035842590
22	7.645	50.000	17649	7.542	40.000	223404	0.06320030080034
23	7.646	50.000	68382	7.542	40.000	292758	0.18686286967393
24	7.656	50.000	97952	7.552	40.000	390143	0.20085353319168
25	7.656	50.000	63647	7.552	40.000	289221	0.17605084001507
26	7.666	50.000	79703	7.563	40.000	331752	0.19219899201813
27	7.677	50.000	59624	7.573	40.000	245725	0.19411618679418
28	7.687	50.000	60561	7.583	40.000	237909	0.20364425053277
29	7.687	50.000	42226	7.583	40.000	172923	0.19535168832370
30	7.687	50.000	51997	7.583	40.000	208221	0.19977619932668
31	7.697	50.000	51275	7.594	40.000	202822	0.20224630464151
32	7.697	50.000	65531	7.594	40.000	250339	0.20941523294413
33	7.760	50.000	76785	7.656	40.000	344524	0.17829817371214

34	7.759	50.000	68725	7.656	40.000	303207	0.18132826748723
35	7.770	50.000	66249	7.666	40.000	308864	0.17159397016162
36	7.780	50.000	63983	7.677	40.000	288883	0.17718730420274
37	7.780	50.000	61267	7.677	40.000	292290	0.16768825481542
38	7.791	50.000	56069	7.687	40.000	238922	0.18773993186061
39	7.791	50.000	50573	7.687	40.000	243613	0.16607652300986
40	7.791	50.000	55930	7.687	40.000	256301	0.17457598682799
41	7.791	50.000	55930	7.687	40.000	256301	0.17457598682799
42	7.791	50.000	43995	7.687	40.000	215682	0.16318468856928
43	7.801	50.000	55663	7.697	40.000	269061	0.16550299002828
44	7.801	50.000	52406	7.697	40.000	242418	0.17294425331452
45	7.801	50.000	49689	7.697	40.000	246748	0.16110039392417
46	7.801	50.000	83728	7.697	40.000	361851	0.18511044601231
47	7.801	50.000	69470	7.697	40.000	316865	0.17539330629763
48	7.811	50.000	98764	7.708	40.000	448001	0.17636389204488
49	7.811	50.000	65199	7.708	40.000	319060	0.16347771579013
50	7.811	50.000	63819	7.708	40.000	326041	0.15659134894078
51	7.811	50.000	69420	7.708	40.000	325539	0.17059707131864
52	7.822	50.000	66513	7.718	40.000	295770	0.17990465564459
53	7.822	50.000	58901	7.718	40.000	274779	0.17148617616339
54	7.822	50.000	58321	7.718	40.000	264752	0.17622831933281
55	7.816	50.000	90734	7.713	40.000	414154	0.17526620532459
56	7.858	50.000	49564	7.754	40.000	260934	0.15195873285965
57	7.858	50.000	63475	7.754	40.000	318667	0.15935129774969
58	7.889	50.000	58884	7.785	40.000	318462	0.14792094504211
59	7.889	50.000	52456	7.796	40.000	304639	0.13775255302177
60	7.889	50.000	44855	7.796	40.000	283970	0.12636546114026
61	7.889	50.000	40711	7.785	40.000	264293	0.12322990014870
Avg	7.719	50.000	61661	7.615	40.000	4333	0.17364233986573

Ind	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\100210.B\HSL1002H

2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\QC001
4	1_8270STD	\\SV5\C\chem\sv5.i\100110.B\HSL1001
5	1_8270STD	\\SV5\C\chem\sv5.i\093010.B\HSL0930
6	1_8270STD	\\sv5\c\chem\sv5.i\092910A.B\HSL0929A
7	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\HSL0929
8	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\QC001
9	1_8270STD	\\SV5\C\chem\sv5.i\092810A.B\HSL0928
10	1_8270STD	\\SV5\C\chem\sv5.i\092810.B\HSL0928
11	1_8270STD	\\SV5\C\chem\sv5.i\092710.B\HSL0927
12	1_8270STD	\\SV5\C\chem\sv5.i\092510.B\QC001
13	1_8270STD	\\sv5\c\chem\sv5.i\092510.B\HSL0925
14	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\QC001
15	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\HSL0924
16	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\HSL0923A
17	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\QC001
18	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\QC001
19	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\HSL0923
20	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922a
21	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922
22	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\QC001
23	1_8270STD	\\SV5\C\chem\sv5.i\092110.B\HSL0921
24	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\QC001
25	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\HSL0920
26	1_8270STD	\\SV5\C\chem\sv5.i\091910a.B\HSL0919a
27	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\HSL0919
28	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\QC001
29	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\HSL0917
30	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\QC001
31	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\HSL0915b
32	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\QC003
33	1_8270STD	\\sv5\c\chem\sv5.i\091010.B\HSL0910
34	1_8270STD	\\SV5\C\chem\sv5.i\091010.B\QC001

35	1_8270STD	\\sv5\c\chem\sv5.i\090910a.B\HSL0909a
36	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\HSL0909
37	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\QC001
38	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\HSL0908
39	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\Primer
40	1_8270STD	\\sv5\c\chem\sv5.i\090710.B\HSL0907
41	1_8270STD	\\SV5\C\chem\sv5.i\090710.B\HSL0907
42	1_8270STD	\\sv5\c\chem\sv5.i\090110.B\HSL0901
43	1_8270STD	\\SV5\C\chem\sv5.i\083110.B\HSL0831
44	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\QC001
45	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\HSL0830
46	1_8270STD	\\SV5\C\chem\sv5.i\082710.B\QC001
47	1_8270STD	\\sv5\c\chem\sv5.i\082710.B\HSL0827
48	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\HSL0826
49	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\QC001
50	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\QC001
51	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\HSL0825
52	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823
53	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823H
54	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D
55	1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A
56	1_8270STD	\\SV5\C\chem\sv5.i\082010.B\HSL0820
57	1_8270STD	\\sv5\c\chem\sv5.i\082010.B\QC001
58	1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A
59	1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818
60	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D
61	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H

Signal Calibration Report

Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit: 04-Oct-2010 09:00 onishim
Compound : 110 Pentachlorophenol
Mass: 266.00
Istd Compound: * 4 Phenanthrene-d10

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/m1
m1 = 0.11930897400000
RSD: 15.221

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	9.240	5.00000	5849	9.406	40.000	496356	0.09427104739340
2	9.240	10.00000	10551	9.406	40.000	428440	0.09850620857063
3	9.240	20.00000	30451	9.406	40.000	525834	0.11581982146457
4	9.240	50.00000	67882	9.406	40.000	462722	0.11736118014704
5	9.240	80.00000	126397	9.406	40.000	477777	0.13227614556582
6	9.240	120.00000	215360	9.406	40.000	515607	0.13922748656761
7	9.250	160.00000	293184	9.406	40.000	532284	0.13770092657303

Lvl	Sublist	Calibration File
1	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002A
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002B
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002C
4	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
5	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002E
6	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002F
7	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor

1	9.240	50.000	62906	9.406	40.000	380734	0.13217837125132
2	9.240	50.000	67882	9.406	40.000	462722	0.11736118014704
3	9.257	50.000	111129	9.423	40.000	692643	0.12835356742218
4	9.257	50.000	88353	9.423	40.000	569627	0.12408541027725
5	9.267	50.000	65176	9.433	40.000	444572	0.11728313973889
6	9.268	50.000	60910	9.433	40.000	402268	0.12113317489833
7	9.278	50.000	51724	9.433	40.000	342388	0.12085470285174
8	9.278	50.000	37406	9.444	40.000	257561	0.11618529202791
9	9.278	50.000	56153	9.444	40.000	367144	0.12235635064171
10	9.278	50.000	49979	9.444	40.000	316244	0.12643148960929
11	9.299	50.000	89278	9.465	40.000	533339	0.13391557714699
12	9.288	50.000	102299	9.454	40.000	604130	0.13546620760432
13	9.299	50.000	74887	9.464	40.000	434948	0.13773968382427
14	9.299	50.000	61171	9.465	40.000	350214	0.13973399121680
15	9.309	50.000	72641	9.475	40.000	436116	0.13325078648800
16	9.309	50.000	99213	9.475	40.000	545533	0.14549147347640
17	9.314	50.000	56050	9.480	40.000	341600	0.13126463700234
18	9.314	50.000	67187	9.480	40.000	410196	0.13103394474836
19	9.324	50.000	90596	9.490	40.000	530756	0.13655389670583
20	9.324	50.000	32043	9.490	40.000	484990	0.05285552279428
21	9.324	50.000	22238	9.490	40.000	346959	0.05127522272084
22	9.324	50.000	81528	9.490	40.000	462218	0.14110744280837
23	9.335	50.000	103580	9.511	40.000	589949	0.14045959905009
24	9.335	50.000	72155	9.501	40.000	446339	0.12932770831140
25	9.355	50.000	91662	9.521	40.000	517550	0.14168602067433
26	9.366	50.000	67431	9.532	40.000	396847	0.13593349578049
27	9.366	50.000	71407	9.542	40.000	407176	0.14029707055426
28	9.366	50.000	49946	9.532	40.000	298933	0.13366473423811
29	9.366	50.000	58621	9.542	40.000	335623	0.13973059057335
30	9.386	50.000	53858	9.552	40.000	329730	0.13067176174446
31	9.387	50.000	69993	9.552	40.000	399673	0.14010053218506
32	9.459	50.000	87217	9.625	40.000	539077	0.12943160253544
33	9.459	50.000	77540	9.625	40.000	458679	0.13524054949104

34	9.470	50.000	79232	9.646	40.000	482971	0.13124100618878
35	9.480	50.000	75075	9.656	40.000	465501	0.12902227922174
36	9.480	50.000	69872	9.656	40.000	435300	0.12841167011257
37	9.490	50.000	60626	9.656	40.000	378611	0.12810193047746
38	9.490	50.000	60476	9.666	40.000	383533	0.12614507747704
39	9.490	50.000	68275	9.656	40.000	401081	0.13618196823086
40	9.490	50.000	68275	9.656	40.000	401081	0.13618196823086
41	9.490	50.000	51783	9.666	40.000	337799	0.12263624226241
42	9.501	50.000	70205	9.677	40.000	425699	0.13193359627342
43	9.511	50.000	60939	9.677	40.000	381025	0.12794751000591
44	9.501	50.000	61157	9.677	40.000	380328	0.12864054184809
45	9.500	50.000	98266	9.676	40.000	586969	0.13393007126441
46	9.500	50.000	82460	9.677	40.000	500580	0.13178313156738
47	9.511	50.000	117721	9.687	40.000	687233	0.13703765680635
48	9.511	50.000	77582	9.687	40.000	485585	0.12781613929590
49	9.511	50.000	77449	9.687	40.000	498103	0.12439033693834
50	9.511	50.000	85917	9.687	40.000	500311	0.13738174855240
51	9.521	50.000	80098	9.697	40.000	460974	0.13900653832971
52	9.521	50.000	71155	9.697	40.000	428920	0.13271472535671
53	9.521	50.000	72603	9.697	40.000	415811	0.13968461632809
54	9.526	50.000	108254	9.702	40.000	650674	0.13309768025155
55	9.568	50.000	64139	9.744	40.000	411802	0.12460162893818
56	9.578	50.000	85309	9.754	40.000	511730	0.13336564203779
57	9.599	50.000	78595	9.785	40.000	486034	0.12936543533991
58	9.609	50.000	72755	9.785	40.000	467607	0.12447204597023
59	9.609	50.000	67958	9.785	40.000	451801	0.12033262431911
60	9.609	50.000	63635	9.785	40.000	418038	0.12177840292031
Avg	9.411	50.000	72233	9.581	40.000	6967	0.12849428241810

Ind	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\100210.B\HSL1002H
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D

3	1_8270STD	\\SV5\C\chem\sv5.i\100110.B\HSL1001
4	1_8270STD	\\SV5\C\chem\sv5.i\093010.B\HSL0930
5	1_8270STD	\\sv5\c\chem\sv5.i\092910A.B\HSL0929A
6	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\HSL0929
7	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\QC001
8	1_8270STD	\\SV5\C\chem\sv5.i\092810A.B\HSL0928
9	1_8270STD	\\SV5\C\chem\sv5.i\092810.B\HSL0928
10	1_8270STD	\\SV5\C\chem\sv5.i\092710.B\HSL0927
11	1_8270STD	\\SV5\C\chem\sv5.i\092510.B\QC001
12	1_8270STD	\\sv5\c\chem\sv5.i\092510.B\HSL0925
13	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\QC001
14	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\HSL0924
15	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\HSL0923A
16	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\QC001
17	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\QC001
18	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\HSL0923
19	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922a
20	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922
21	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\QC001
22	1_8270STD	\\SV5\C\chem\sv5.i\092110.B\HSL0921
23	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\QC001
24	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\HSL0920
25	1_8270STD	\\SV5\C\chem\sv5.i\091910a.B\HSL0919a
26	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\HSL0919
27	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\QC001
28	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\HSL0917
29	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\QC001
30	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\HSL0915b
31	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\QC003
32	1_8270STD	\\sv5\c\chem\sv5.i\091010.B\HSL0910
33	1_8270STD	\\SV5\C\chem\sv5.i\091010.B\QC001
34	1_8270STD	\\sv5\c\chem\sv5.i\090910a.B\HSL0909a
35	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\HSL0909

36	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\QC001
37	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\HSL0908
38	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\Primer
39	1_8270STD	\\sv5\c\chem\sv5.i\090710.B\HSL0907
40	1_8270STD	\\SV5\C\chem\sv5.i\090710.B\HSL0907
41	1_8270STD	\\sv5\c\chem\sv5.i\090110.B\HSL0901
42	1_8270STD	\\SV5\C\chem\sv5.i\083110.B\HSL0831
43	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\QC001
44	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\HSL0830
45	1_8270STD	\\SV5\C\chem\sv5.i\082710.B\QC001
46	1_8270STD	\\sv5\c\chem\sv5.i\082710.B\HSL0827
47	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\HSL0826
48	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\QC001
49	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\QC001
50	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\HSL0825
51	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823
52	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823H
53	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D
54	1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A
55	1_8270STD	\\SV5\C\chem\sv5.i\082010.B\HSL0820
56	1_8270STD	\\sv5\c\chem\sv5.i\082010.B\QC001
57	1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A
58	1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818
59	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D
60	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.6825896	5.000	PASS
Benzidine	0.6244503	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	189907	8.9	20.5	PASS

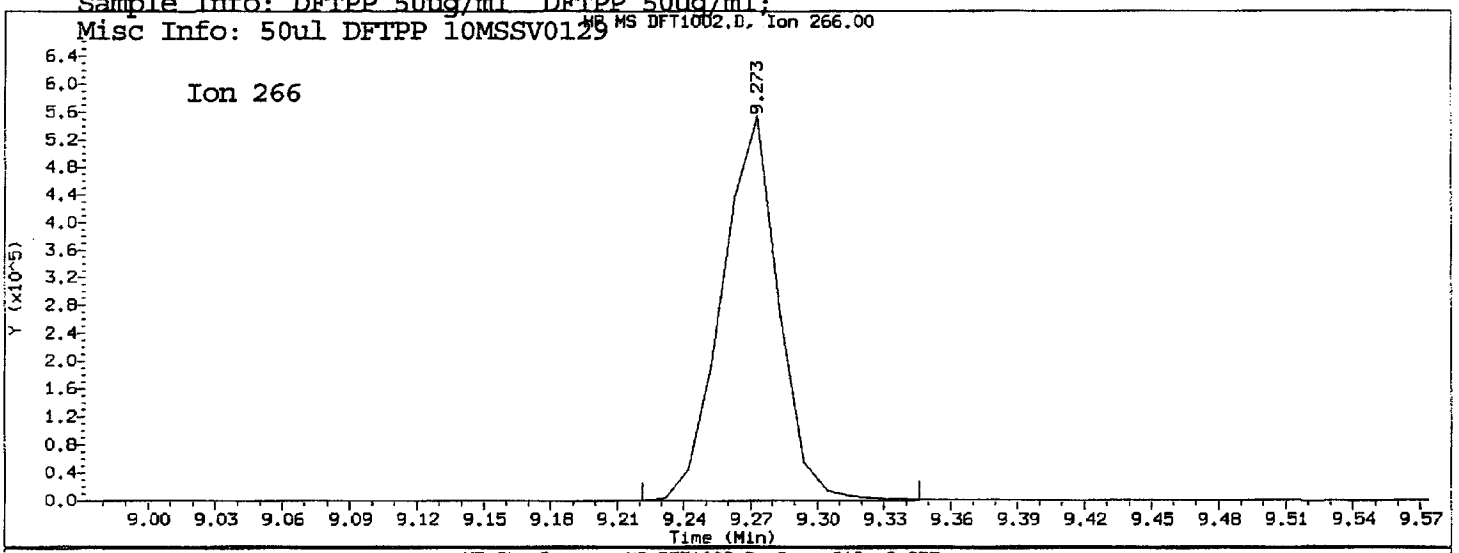
Sample //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D

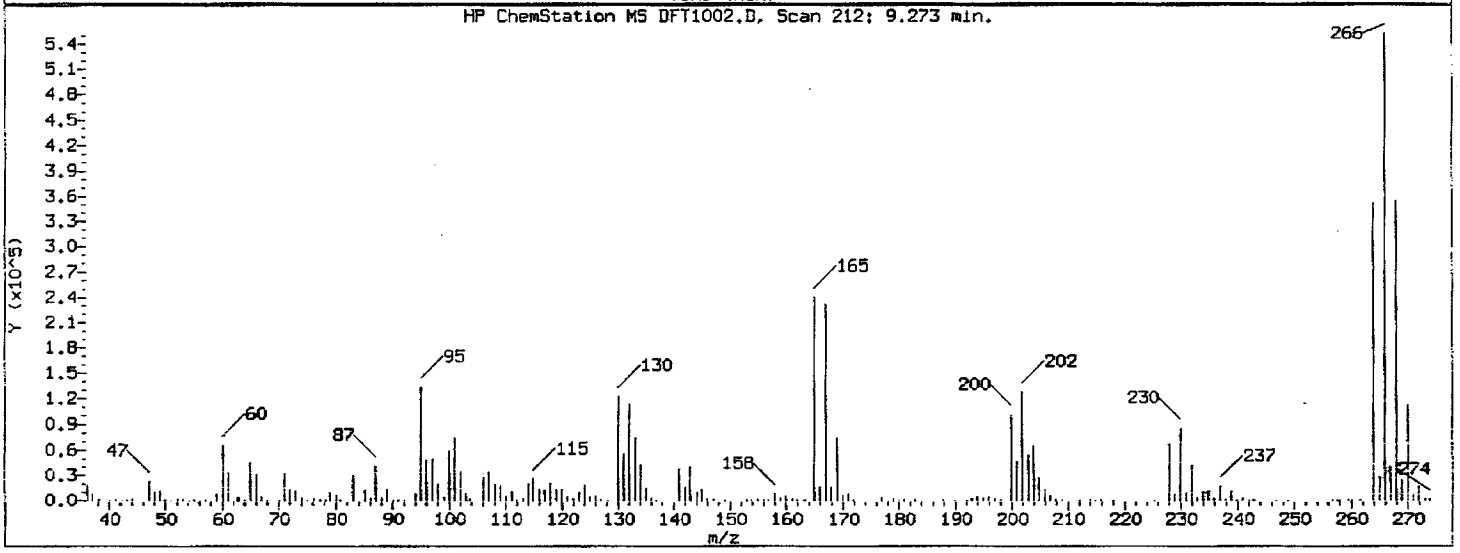
****
*** PASSED ***
****

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Pentachlorophenol
==========
Exp. RT = 9.387
Found RT = 9.273

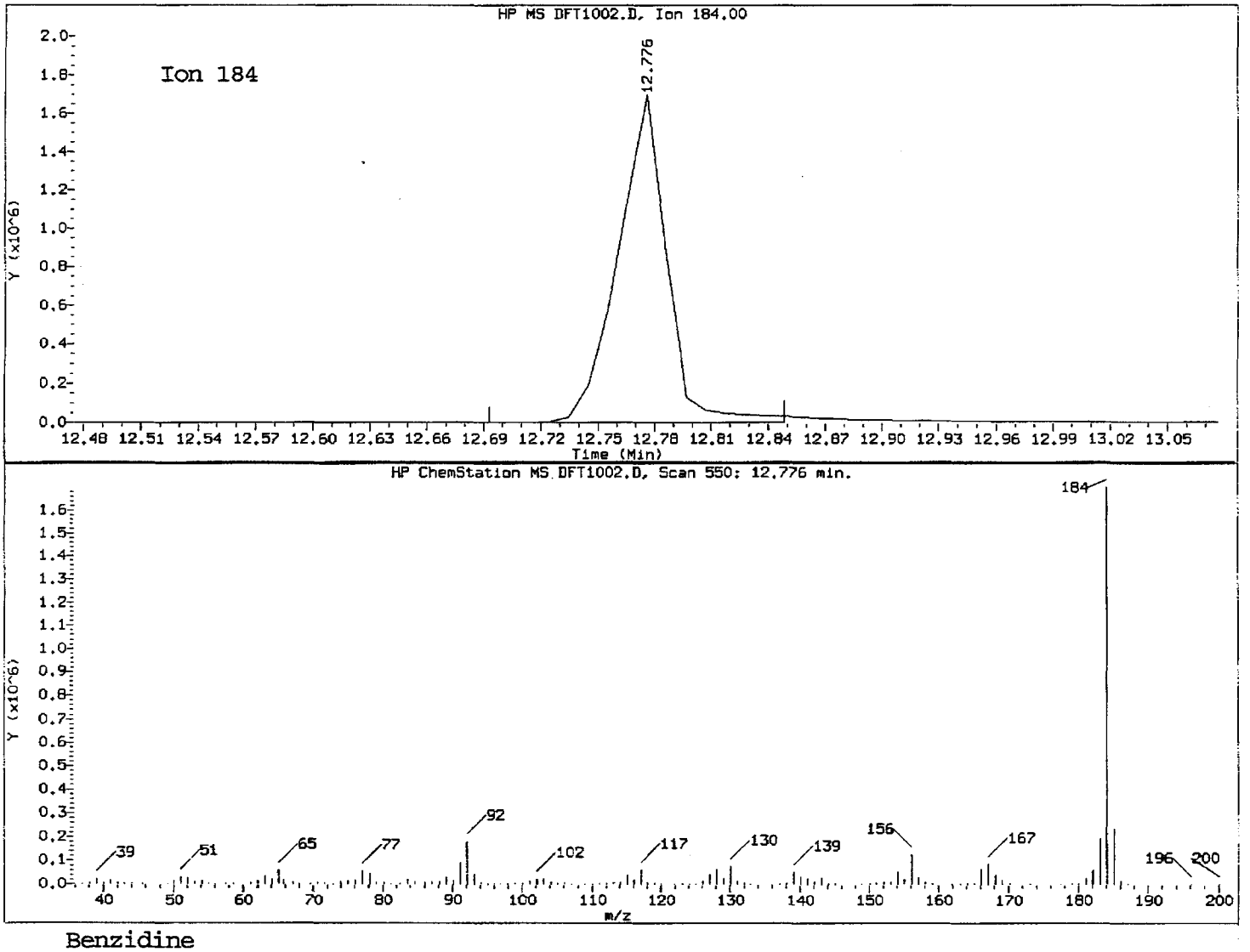
Time1 = 9.243001 Time2 = 9.273333 Time3 = 9.294038
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.683 Maximum Allowed = 5.0

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
Exp. RT = 12.911
Found RT = 12.776

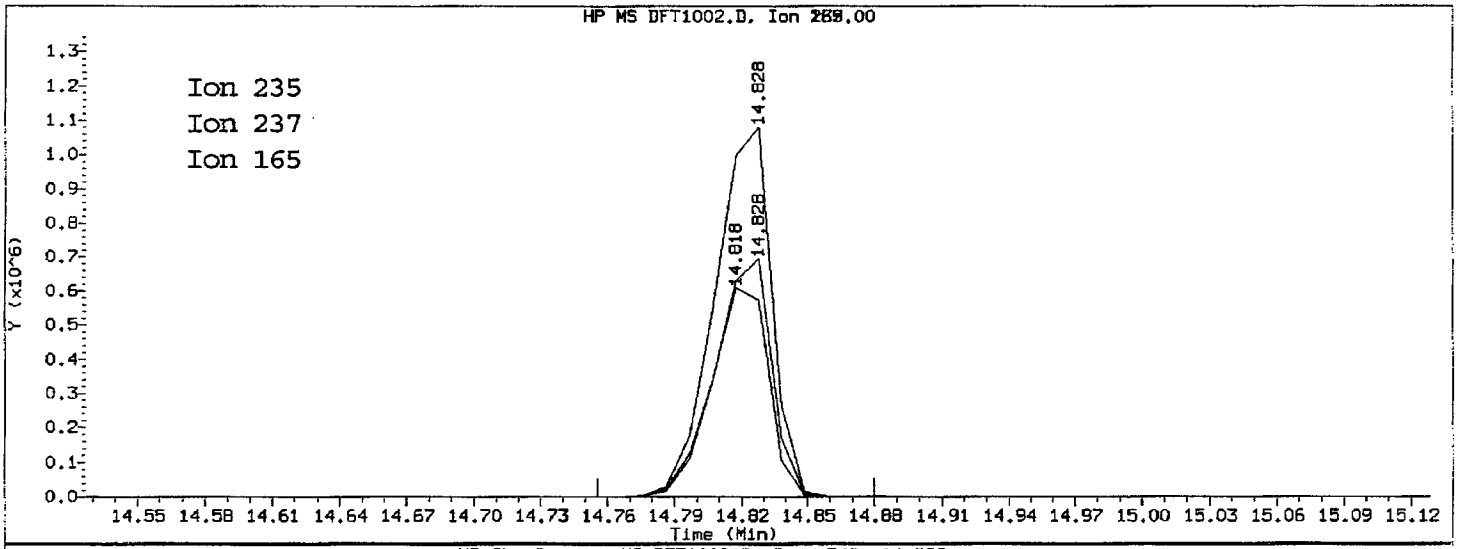
Time1 = 12.74377 Time2 = 12.77603 Time3 = 12.79618
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

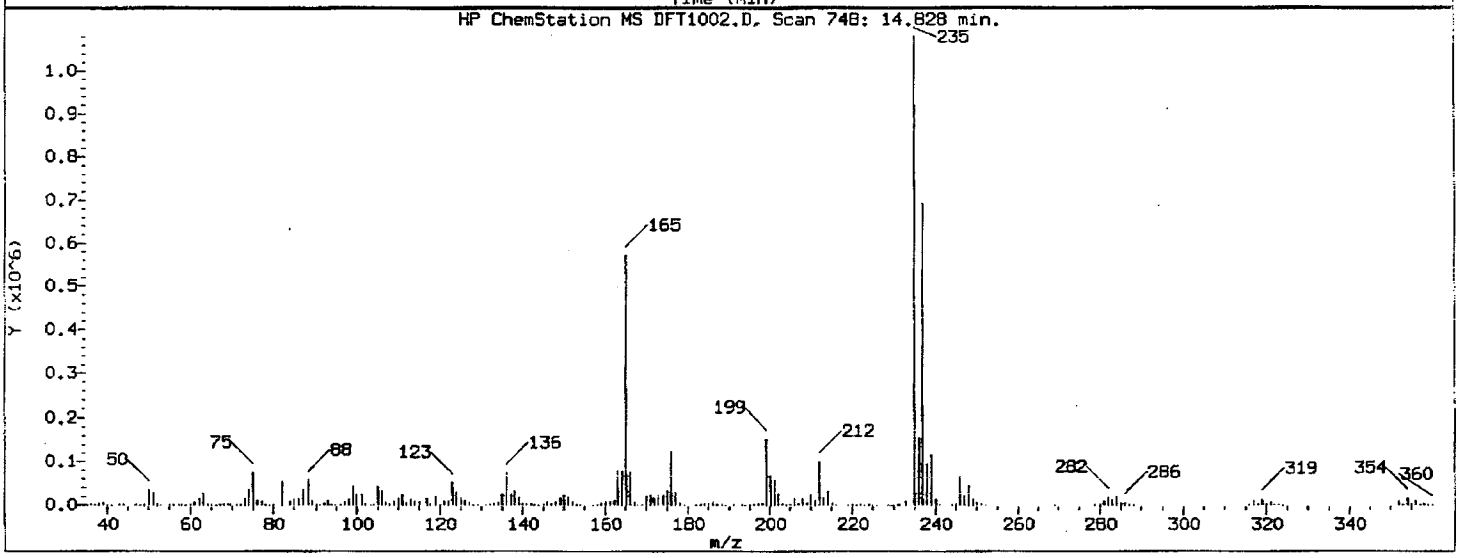
Tailing factor for Benzidine OK

Tail Factor = 0.624 Maximum Allowed = 3.0

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



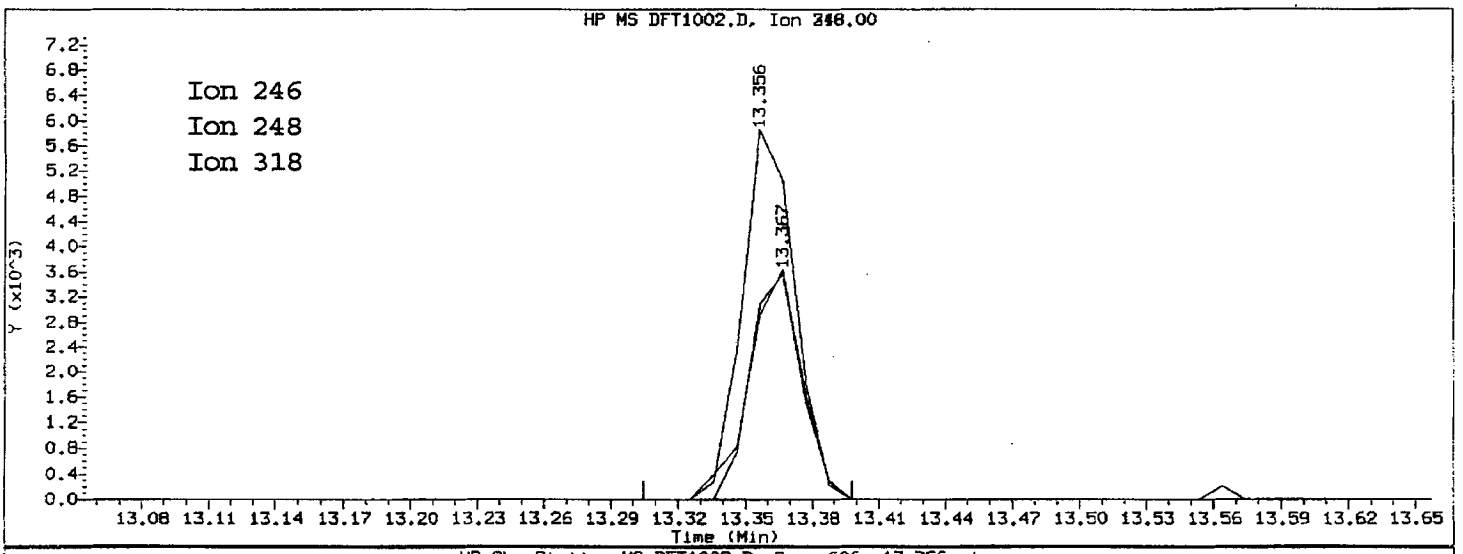


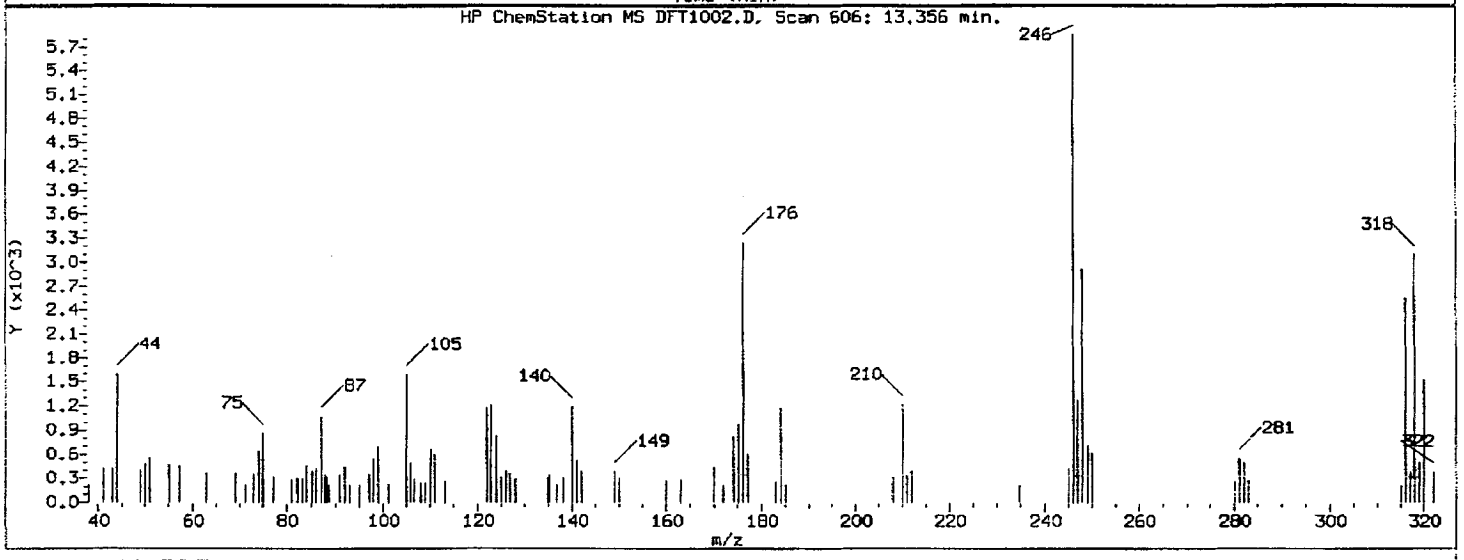
4,4'-DDT
========
Exp. RT = 14.942
Found RT = 14.828

Mass	Area	Ratio
235	1937042	100.00
237	1226081	63.30
165	1111108	57.36

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



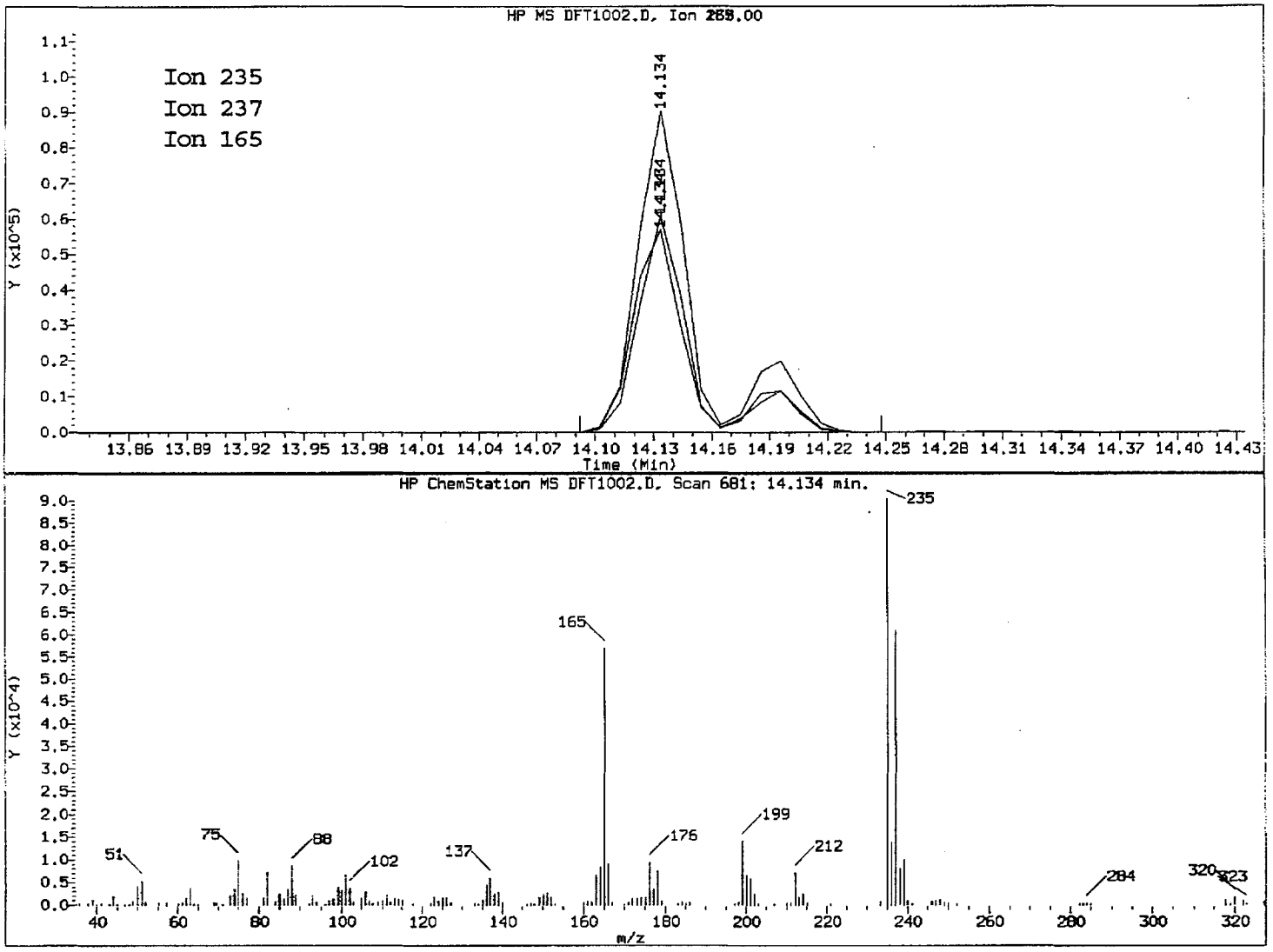


4,4'-DDE
========
Exp. RT = 13.470
Found RT = 13.356

Mass	Area	Ratio
246	9630	100.00
248	5964	61.93
318	0	0.00

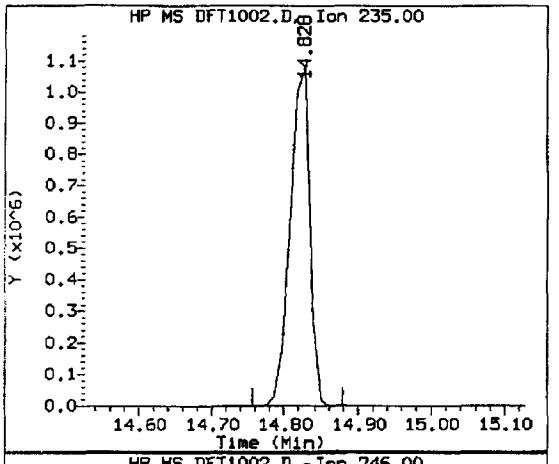
Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

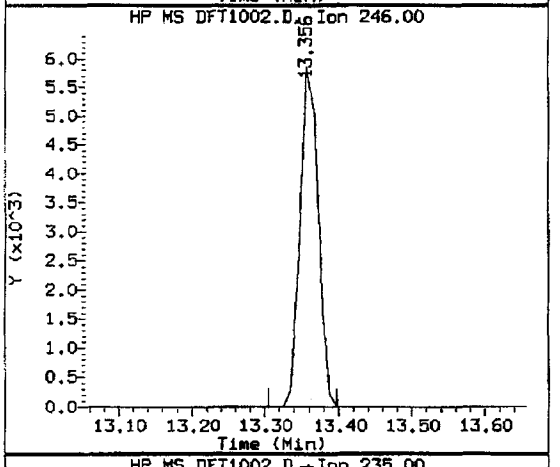


4,4'-DDD
========
Exp. RT = 14.248
Found RT = 14.134

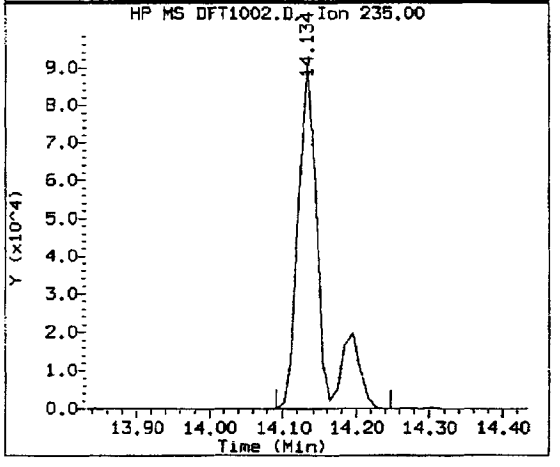
Mass	Area	Ratio
235	180277	100.00
237	115795	64.23
165	113090	62.73



Compound: 4,4'-DDT
Quant Mass: 235
RT: 14.828
Area: 1937042



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.356
Area: 9630



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.134
Area: 180277

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	189907	8.9	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\100210.B\DFT1002.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 02-OCT-2010 12:06
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\100210.B\DFTPP.m
Meth Date : 17-Aug-2010 14:10 scotts Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
0.000	11.201	(0.000)	198	746688			0.00- 100.00	100.00
0.000	11.201	(0.000)	51	320640			30.00- 80.00	42.94
0.000	11.201	(0.000)	68	4826			0.00- 2.00	1.62
0.000	11.201	(0.000)	69	298048			0.00- 0.00	39.92
0.000	11.201	(0.000)	70	1913			0.00- 2.00	0.64
0.000	11.201	(0.000)	127	406528			25.00- 75.00	54.44
0.000	11.201	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
0.000	11.201	(0.000)	199	49104			5.00- 9.00	6.58
0.000	11.201	(0.000)	275	170816			10.00- 30.00	22.88
0.000	11.201	(0.000)	365	20496			0.75- 0.00	2.74
0.000	11.201	(0.000)	441	100984			0.01- 99.99	74.22
0.000	11.201	(0.000)	442	702528			40.00- 110.00	94.09
0.000	11.201	(0.000)	443	136064			15.00- 24.00	19.37

Data File: \\SV5\C\chem\sv5.i\100210.B\DFT1002.D

Date : 02-OCT-2010 12:06

Client ID:

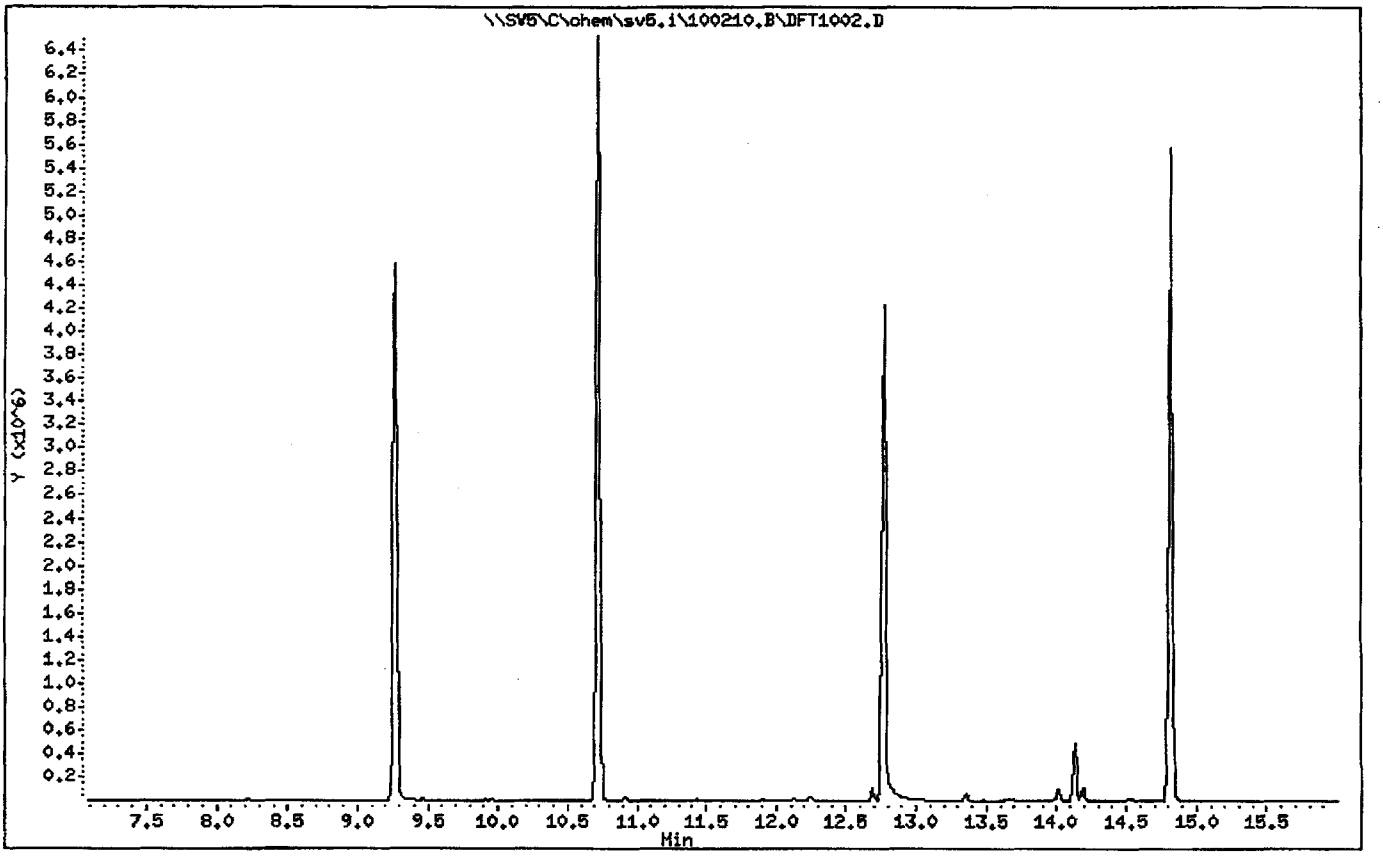
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\100210.B\DFT1002.D

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

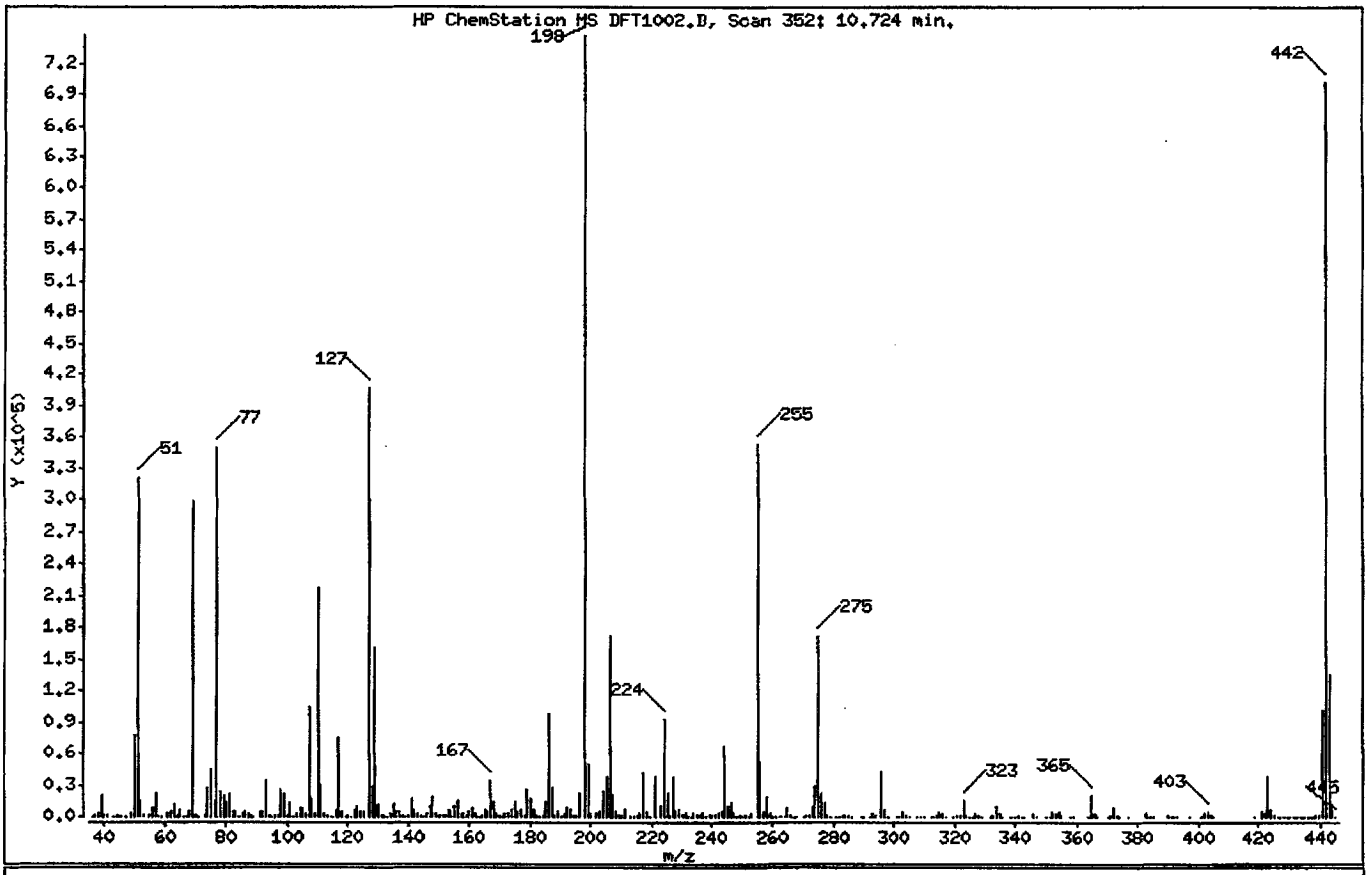
Sample Info: DFTPP 50ug/ml;

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	42.94
68	Less than 2.00% of mass 69	0.65 (1.62)
69	Mass 69 relative abundance	39.92
70	Less than 2.00% of mass 69	0.26 (0.64)
127	25.00 - 75.00% of mass 198	54.44
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.88
275	10.00 - 30.00% of mass 198	22.88
365	Greater than 0.75% of mass 198	2.74
441	Present, but less than mass 443	13.52
442	40.00 - 110.00% of mass 198	94.09
443	15.00 - 24.00% of mass 442	18.22 (19.37)

Data File: \\SV5\C\chem\sv5.i\100210.B\DFT1002.D

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1002.D
Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
Location of Maximum: 198.00
Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	203	130.00	12809	219.20	447	321.00	1763
37.10	1216	131.00	2287	221.00	37608	322.10	913
38.10	3314	132.00	1225	223.10	9674	323.10	16294
39.10	21392	133.00	620	224.10	93432	324.10	2245
40.00	1076	134.00	3794	225.10	21544	324.80	382
41.10	949	135.10	11378	226.10	1736	326.00	507
43.10	352	136.00	4886	227.00	37976	327.00	2789
44.00	922	137.00	5203	228.00	4945	328.00	1262
45.00	428	138.00	1265	229.00	7548	329.10	343
47.00	204	139.00	791	230.00	1024	331.90	894
49.10	2676	140.00	2233	231.10	2757	333.00	1455
50.10	77024	141.00	17480	232.00	528	334.10	9590
51.10	320640	142.00	7259	233.00	641	335.00	2774
52.10	16189	143.00	3921	234.00	2909	336.00	291
53.10	963	144.00	1375	235.00	2419	339.00	369
55.00	1815	145.10	829	236.10	1608	340.00	399
56.00	8872	146.00	3251	237.00	3192	341.00	2042
57.00	22504	147.00	9463	238.00	581	342.10	852
58.00	755	148.00	18744	239.00	1185	343.20	220
59.10	372	149.00	4031	240.00	1065	346.00	2819
61.00	3888	150.10	1094	241.00	1870	346.90	608
62.00	4800	151.20	2277	242.00	3682	350.30	205
63.10	11199	152.10	1506	243.10	4924	351.00	283
64.10	1448	153.00	6113	244.10	66488	352.00	5049
65.10	6509	154.00	5445	245.10	9865	353.10	3110
66.00	499	155.00	10151	246.00	14573	354.00	5432
67.10	461	156.10	14866	247.00	3022	355.00	1087
68.00	4826	157.10	3676	248.10	618	358.00	241
69.00	298048	158.10	3734	249.00	2441	359.00	574
70.10	1913	159.00	2313	250.00	627	363.50	249
71.10	410	160.00	5246	250.90	1000	365.00	20496
73.10	2021	161.10	8666	252.00	756	366.00	3166
74.00	28000	162.00	2863	253.10	2603	367.00	225
75.00	45304	163.10	562	255.00	353024	370.10	477
76.10	15795	164.00	1067	256.00	51440	370.90	1541

Date : 02-OCT-2010 12:06

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1002.D
Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
Location of Maximum: 198.00
Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.10	349952	165.00	6962	257.00	4474	372.10	8489
78.10	23464	166.00	5717	258.00	19504	373.10	1814
79.00	20048	167.00	33648	259.10	3095	373.80	348
80.00	14146	168.00	13682	260.00	645	377.10	263
81.00	22008	169.00	2802	261.10	797	383.00	2624
82.00	5822	170.00	1014	262.20	249	383.90	598
83.00	5093	171.00	1339	263.00	269	385.00	289
84.00	814	172.00	3224	264.10	532	390.00	1367
85.00	3848	173.00	4109	265.00	7904	391.00	754
86.00	5985	174.00	7189	266.00	1181	392.10	664
87.00	2652	175.10	13638	267.20	204	393.20	281
88.00	1078	176.10	4293	267.60	232	397.00	230
89.00	472	177.00	6577	270.00	489	400.90	335
91.00	5074	178.10	1972	271.00	901	402.00	3464
92.00	5292	179.00	25912	272.10	1129	403.00	5568
93.00	34848	180.00	16984	273.00	10963	404.10	1777
94.00	2386	181.00	7182	274.00	30032	405.00	292
95.00	749	182.00	1363	275.00	170816	418.90	289
96.00	1660	183.00	559	276.10	22944	421.00	5400
97.10	1007	184.10	2227	277.00	13493	422.00	4183
98.00	25944	185.10	13301	278.10	2251	423.00	37592
99.00	21688	186.00	97684	279.00	648	424.00	6802
100.00	1844	187.10	27792	281.10	266	425.00	930
101.00	13609	188.10	2556	282.00	217	426.50	251
102.10	646	189.00	5094	283.00	1957	427.30	338
103.00	3748	189.90	756	284.00	1097	428.40	200
104.00	8390	191.10	2995	285.10	2569	429.20	300
105.00	8359	192.00	7909	286.10	444	430.20	272
106.10	3007	193.00	7605	289.00	691	431.10	404
107.00	104896	194.10	1998	290.10	589	431.50	324
108.00	17616	195.10	1331	292.10	763	432.20	298
109.00	3545	196.00	22448	293.00	3141	432.50	326
110.00	218112	198.00	746688	294.10	1275	433.30	317
111.00	30736	199.00	49104	296.00	42616	433.70	342
112.00	4281	200.00	4038	297.00	6196	434.30	362

Date : 02-OCT-2010 12:06

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1002.D
Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
Location of Maximum: 198.00
Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	1310	201.60	4029	298.00	465	434.90	650
114.40	467	203.00	4788	301.00	504	435.90	530
115.00	646	204.00	23416	302.00	695	436.50	586
116.10	6327	205.00	38288	303.10	5810	436.90	846
117.00	75520	206.10	172352	304.00	2035	437.50	828
118.00	5507	207.10	21328	305.10	290	438.20	1136
119.00	839	208.00	5487	308.00	764	439.30	1287
120.10	1180	209.00	2186	309.10	446	441.00	100984
121.00	807	210.00	2002	310.00	839	442.00	702528
122.00	6408	211.10	7473	312.20	271	443.00	136064
123.00	10302	213.00	410	312.90	292	444.00	12344
124.00	4600	214.10	372	314.00	2431	445.10	689
125.00	4447	215.10	1837	315.00	5363		
127.00	406528	216.00	3226	316.00	2900		
128.00	28392	217.00	41648	317.10	363		
129.00	161024	218.00	5388	319.80	287		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:27
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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	141539	40.0000		(Q)
*	2 Naphthalene-d8	136	5.374	5.374	(1.000)	605687	40.0000		
*	3 Acenaphthene-d10	164	7.468	7.468	(1.000)	321839	40.0000		
*	4 Phenanthrene-d10	188	9.406	9.405	(1.000)	496356	40.0000		
*	5 Chrysene-d12	240	13.779	13.779	(1.000)	453007	40.0000		
*	6 Perylene-d12	264	16.162	16.162	(1.000)	445119	40.0000		
$	7 2-Fluorophenol	112	2.742	2.732	(0.693)	25566	5.00000	5.124	
$	8 Phenol-d5	99	3.613	3.613	(0.914)	30471	5.00000	4.857	
$	9 2-Chlorophenol-d4	132	3.758	3.758	(0.950)	26144	5.00000	4.745	
$	10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	16945	5.00000	4.861	
$	11 Nitrobenzene-d5	82	4.576	4.576	(0.852)	25006	5.00000	4.874	(M)
$	12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	51695	5.00000	4.986	
$	13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	6048	5.00000	4.325	
$	14 Terphenyl-d14	244	12.017	12.017	(0.872)	44456	5.00000	4.982	
	15 N-Nitrosodimethylamine	74	1.716	1.706	(0.434)	16436	5.00000	5.040	(q)
	16 Pyridine	79	1.737	1.726	(0.439)	29567	5.00000	5.422	(q)
	23 Aniline	93	3.654	3.654	(0.924)	39064	5.00000	4.892	(Q)
	24 Phenol	94	3.623	3.623	(0.916)	36112	5.00000	5.009	(Q)
	26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	26067	5.00000	5.157	
	27 2-Chlorophenol	128	3.768	3.768	(0.953)	26910	5.00000	4.863	
	28 1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	29883	5.00000	4.958	
	29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	31337	5.00000	4.972	
	30 Benzyl Alcohol	108	4.120	4.120	(1.042)	17983	5.00000	4.835	
	31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	28663	5.00000	4.947	
	32 2-Methylphenol	108	4.255	4.255	(1.076)	24914	5.00000	4.923	
	33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	40622	5.00000	5.049	
	34 4-Methylphenol	108	4.421	4.421	(1.118)	26292	5.00000	4.891	
	36 Hexachloroethane	117	4.504	4.504	(1.139)	10779	5.00000	5.024	
	37 N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	16719	5.00000	4.670	
	42 Nitrobenzene	77	4.597	4.597	(0.855)	24875	5.00000	4.960	
	44 Isophorone	82	4.856	4.856	(0.904)	48024	5.00000	4.980	
	45 2-Nitrophenol	139	4.960	4.960	(0.923)	14088	5.00000	4.735	
	46 2,4-Dimethyphenol	107	5.012	5.012	(0.933)	26089	5.00000	4.935	

10-7-10

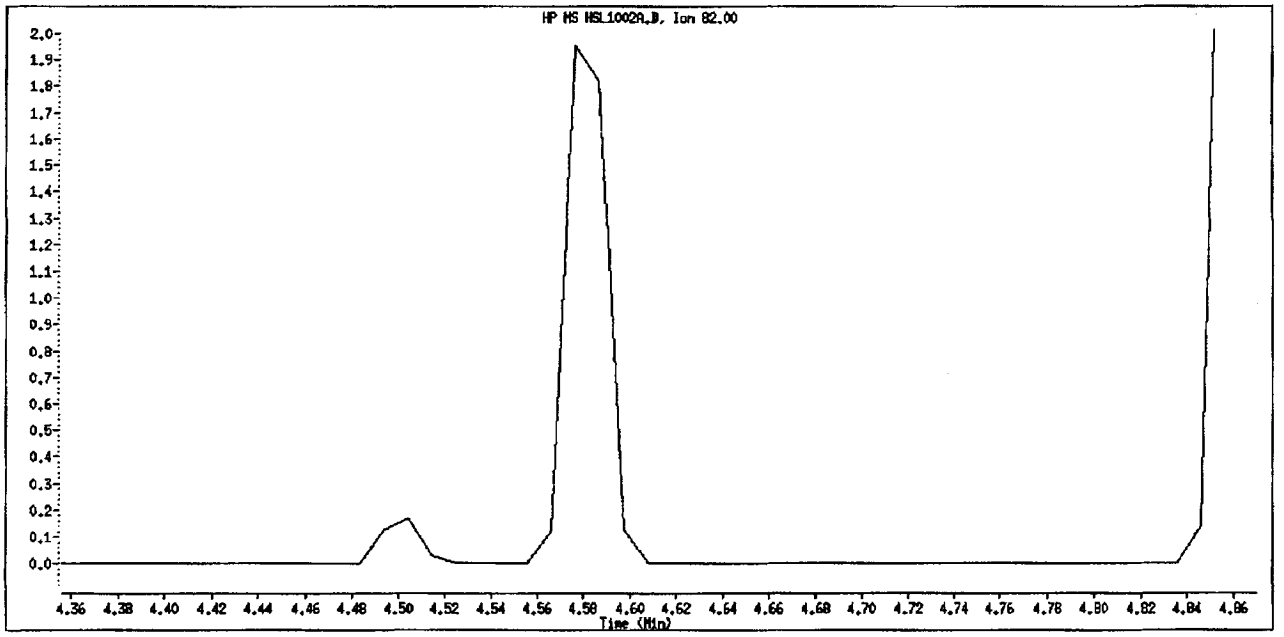
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	31152	5.00000	5.288
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	19256	5.00000	4.708
50 Benzoic Acid	122	5.084	5.115	(0.946)	12679	5.00000	4.333
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	22282	5.00000	5.032
52 Naphthalene	128	5.395	5.395	(1.004)	83236	5.00000	4.977
54 4-Chloroaniline	127	5.488	5.488	(1.021)	30853	5.00000	4.707
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	10823	5.00000	4.994
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	22205	5.00000	4.862
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	51849	5.00000	4.936
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	10813	5.00000	4.503
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	12546	5.00000	4.886
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	12400	5.00000	4.483
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	45713	5.00000	5.047
73 2-Nitroaniline	65	6.949	6.949	(0.931)	12703	5.00000	4.627
76 Dimethylphthalate	163	7.219	7.229	(0.967)	49639	5.00000	4.760
77 Acenaphthylene	152	7.281	7.281	(0.975)	75041	5.00000	4.758
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	11404	5.00000	4.694 (QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	14226	5.00000	4.691 (Q)
81 Acenaphthene	153	7.509	7.509	(1.006)	50639	5.00000	5.044
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	4083	5.00000	6.945 (q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	63477	5.00000	4.764
84 4-Nitrophenol	109	7.675	7.675	(1.028)	5114	5.00000	4.065 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	13823	5.00000	4.335 (q)
91 Fluorene	166	8.131	8.131	(1.089)	54136	5.00000	4.906
92 Diethylphthalate	149	8.100	8.100	(1.085)	49177	5.00000	4.606
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	22112	5.00000	4.820
94 4-Nitroaniline	138	8.214	8.214	(1.100)	13415	5.00000	4.463
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	5780	5.00000	7.325 (q)
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	41998	5.86000	5.582
100 Azobenzene	77	8.348	8.348	(0.888)	48101	5.00000	4.928
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	11766	5.00000	4.856
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	14244	5.00000	5.264
110 Pentachlorophenol	266	9.240	9.240	(0.982)	5849	5.00000	7.264
114 Phenanthrene	178	9.437	9.437	(1.003)	80873	5.00000	5.169
115 Anthracene	178	9.499	9.499	(1.010)	77577	5.00000	4.963
118 Carbazole	167	9.768	9.768	(1.039)	70241	5.00000	4.920
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	79722	5.00000	4.641
126 Fluoranthene	202	11.302	11.302	(1.202)	64427	5.00000	4.596
127 Benzidine	184	11.571	11.571	(0.840)	44267	5.00000	4.822
128 Pyrene	202	11.665	11.665	(0.847)	71230	5.00000	5.030
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	37074	5.00000	4.574
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	36798	5.00000	5.185
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	62384	5.00000	5.170
139 Chrysene	228	13.820	13.831	(1.003)	59618	5.00000	4.830
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	22168	5.00000	4.870
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	51997	5.00000	5.319
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	76353	5.00000	4.886
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	45075	5.00000	4.473 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	68403	5.00000	5.288 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	50295	5.00000	4.786
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	54694	5.00000	4.788
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	41053	5.00000	4.443
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	49018	5.00000	4.749
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	53428	5.00000	4.781

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				113478	5.00000	4.931(A)

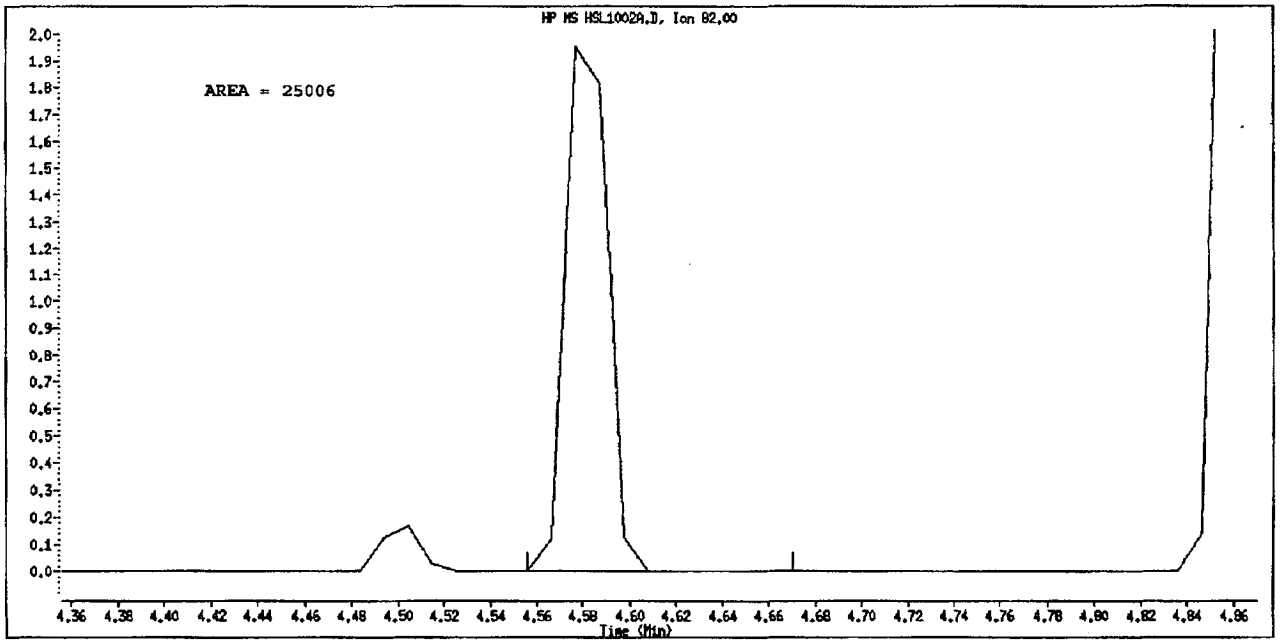
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002A.D
Inj. Date and Time: 02-OCT-2010 12:27
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



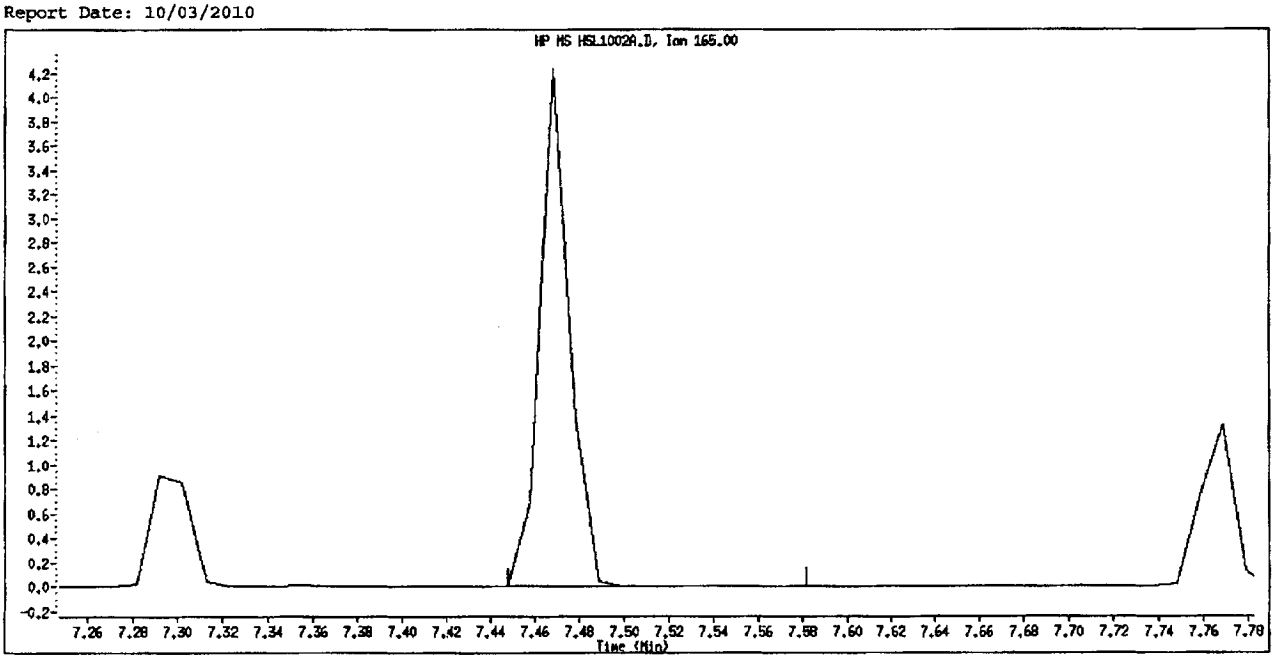
Original Integration



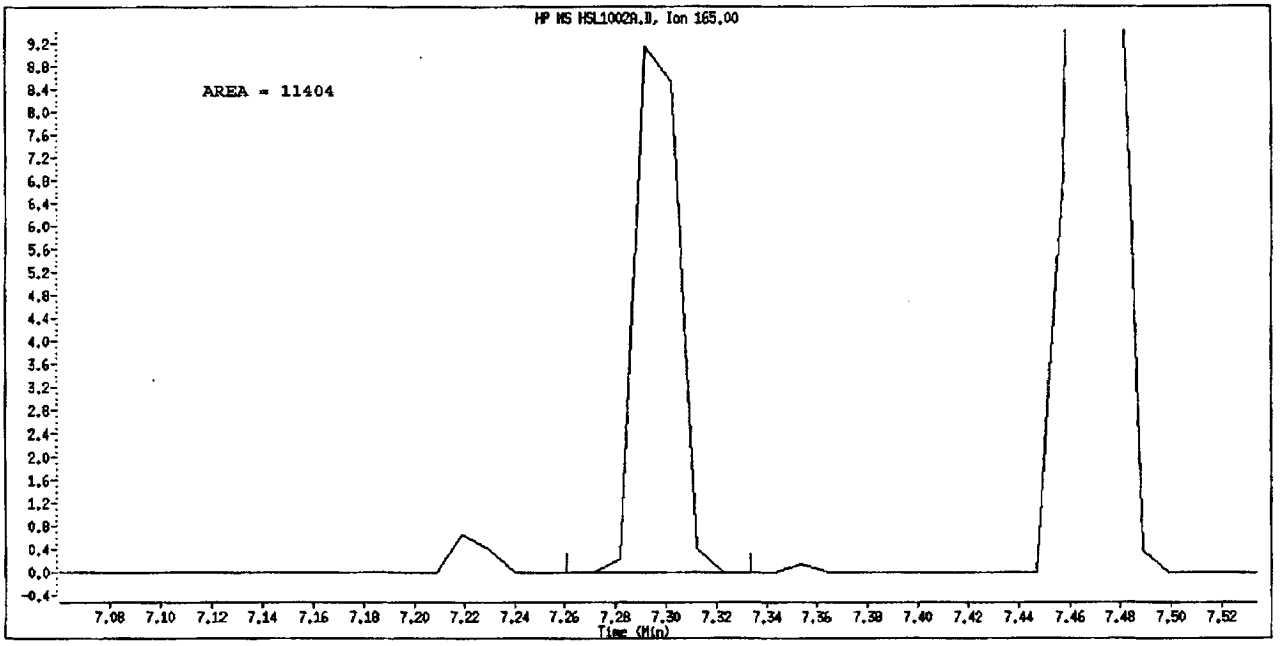
Manual Integration

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

Data File Name: HSL1002A.D
Inj. Date and Time: 02-OCT-2010 12:27
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:27
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\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1 Calibration Sample, Level: 1
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	3.955	3.955	(1.000)	141539	40.0000	(Q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	605687	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	321839	40.0000	
* 4	Phenanthrene-d10	188	9.406	9.405	(1.000)	496356	40.0000	
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	453007	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	445119	40.0000	
$ 7	2-Fluorophenol	112	2.742	2.732	(0.693)	25566	5.00000	4.894
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	30471	5.00000	4.587
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	26144	5.00000	4.616
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	16945	5.00000	4.793
$ 11	Nitrobenzene-d5	82	Compound Not Detected.					
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	51695	5.00000	5.015
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	6048	5.00000	4.760
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	44456	5.00000	5.032
15	N-Nitrosodimethylamine	74	1.716	1.706	(0.434)	16436	5.00000	4.767(q)
16	Pyridine	79	1.737	1.726	(0.439)	29567	5.00000	5.146
23	Aniline	93	3.654	3.654	(0.924)	39064	5.00000	4.689(Q)
24	Phenol	94	3.623	3.623	(0.916)	36112	5.00000	5.111(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	26067	5.00000	4.856
27	2-Chlorophenol	128	3.768	3.768	(0.953)	26910	5.00000	4.813
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	29883	5.00000	4.837
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	31337	5.00000	5.017
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	17983	5.00000	4.681
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	28663	5.00000	4.842
32	2-Methylphenol	108	4.255	4.255	(1.076)	24914	5.00000	4.770
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	40622	5.00000	4.077
34	4-Methylphenol	108	4.421	4.421	(1.118)	26292	5.00000	4.723
36	Hexachloroethane	117	4.504	4.504	(1.139)	10779	5.00000	4.891
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	16719	5.00000	4.290
42	Nitrobenzene	77	4.597	4.597	(0.855)	24875	5.00000	4.659
44	Isophorone	82	4.856	4.856	(0.904)	48024	5.00000	4.744
45	2-Nitrophenol	139	4.960	4.960	(0.923)	14088	5.00000	4.833
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	26089	5.00000	4.820

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	31152	5.00000	5.169
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	19256	5.00000	4.834
50	Benzoic Acid	122	5.084	5.115	(0.946)	12679	5.00000	4.202
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	22282	5.00000	5.160
52	Naphthalene	128	5.395	5.395	(1.004)	83236	5.00000	4.937
54	4-Chloroaniline	127	5.488	5.488	(1.021)	30853	5.00000	4.652
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	10823	5.00000	5.267
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	22205	5.00000	4.844
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	51849	5.00000	5.040
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	10813	5.00000	4.405
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	12546	5.00000	5.149
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	12400	5.00000	4.633
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	45713	5.00000	5.066
73	2-Nitroaniline	65	6.949	6.949	(0.931)	12703	5.00000	4.204
76	Dimethylphthalate	163	7.219	7.229	(0.967)	49639	5.00000	4.763
77	Acenaphthylene	152	7.281	7.281	(0.975)	75041	5.00000	4.757
79	2,6-Dinitrotoluene	165	7.468	7.302	(1.000)	39415	5.00000	16.89(Q)
80	3-Nitroaniline	138	7.447	7.447	(0.997)	14226	5.00000	4.597(Q)
81	Acenaphthene	153	7.509	7.509	(1.006)	50639	5.00000	5.038
82	2,4-Dinitrophenol	184	7.571	7.571	(1.014)	4083	5.00000	5.740(q)
83	Dibenzofuran	168	7.696	7.706	(1.031)	63477	5.00000	4.780
84	4-Nitrophenol	109	7.675	7.675	(1.028)	5114	5.00000	3.785(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	13823	5.00000	4.422(q)
91	Fluorene	166	8.131	8.131	(1.089)	54136	5.00000	4.976
92	Diethylphthalate	149	8.100	8.100	(1.085)	49177	5.00000	4.514
93	4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	22112	5.00000	4.930
94	4-Nitroaniline	138	8.214	8.214	(1.100)	13415	5.00000	4.435
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	5780	5.00000	8.076(q)
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	41998	5.86000	5.430
100	Azobenzene	77	8.348	8.348	(0.888)	48101	5.00000	4.470
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	11766	5.00000	4.905
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	14244	5.00000	5.498
110	Pentachlorophenol	266	9.240	9.240	(0.982)	5849	5.00000	3.762
114	Phenanthrene	178	9.437	9.437	(1.003)	80873	5.00000	5.224
115	Anthracene	178	9.499	9.499	(1.010)	77577	5.00000	4.979
118	Carbazole	167	9.768	9.768	(1.039)	70241	5.00000	4.847
120	Di-n-Butylphthalate	149	10.463	10.463	(1.112)	79722	5.00000	4.549
126	Fluoranthene	202	11.302	11.302	(1.202)	64427	5.00000	4.624
127	Benzidine	184	11.571	11.571	(0.840)	44267	5.00000	4.759
128	Pyrene	202	11.665	11.665	(0.847)	71230	5.00000	5.029
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	37074	5.00000	4.644
136	Butylbenzylphthalate	149	12.991	12.991	(0.943)	36798	5.00000	5.084
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	62384	5.00000	5.220
139	Chrysene	228	13.820	13.831	(1.003)	59618	5.00000	4.801
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	22168	5.00000	5.069
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	51997	5.00000	5.218
142	Di-n-octylphthalate	149	15.157	15.167	(1.100)	76353	5.00000	4.792
144	Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	45075	5.00000	4.270(Q)
145	Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	68403	5.00000	5.546(q)
147	Benzo(e)pyrene	252	15.996	16.007	(0.990)	50295	5.00000	4.807
148	Benzo(a)pyrene	252	16.069	16.079	(0.994)	54694	5.00000	4.761
151	Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	41053	5.00000	4.039
152	Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	49018	5.00000	4.706
153	Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	53428	5.00000	4.784

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				113478	5.00000	4.958 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
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: HSL1002A.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\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	141539	15.42
2 Naphthalene-d8	530514	265257	1061028	605687	14.17
3 Acenaphthene-d10	282538	141269	565076	321839	13.91
4 Phenanthrene-d10	462722	231361	925444	496356	7.27
5 Chrysene-d12	435850	217925	871700	453007	3.94
6 Perylene-d12	422284	211142	844568	445119	5.41

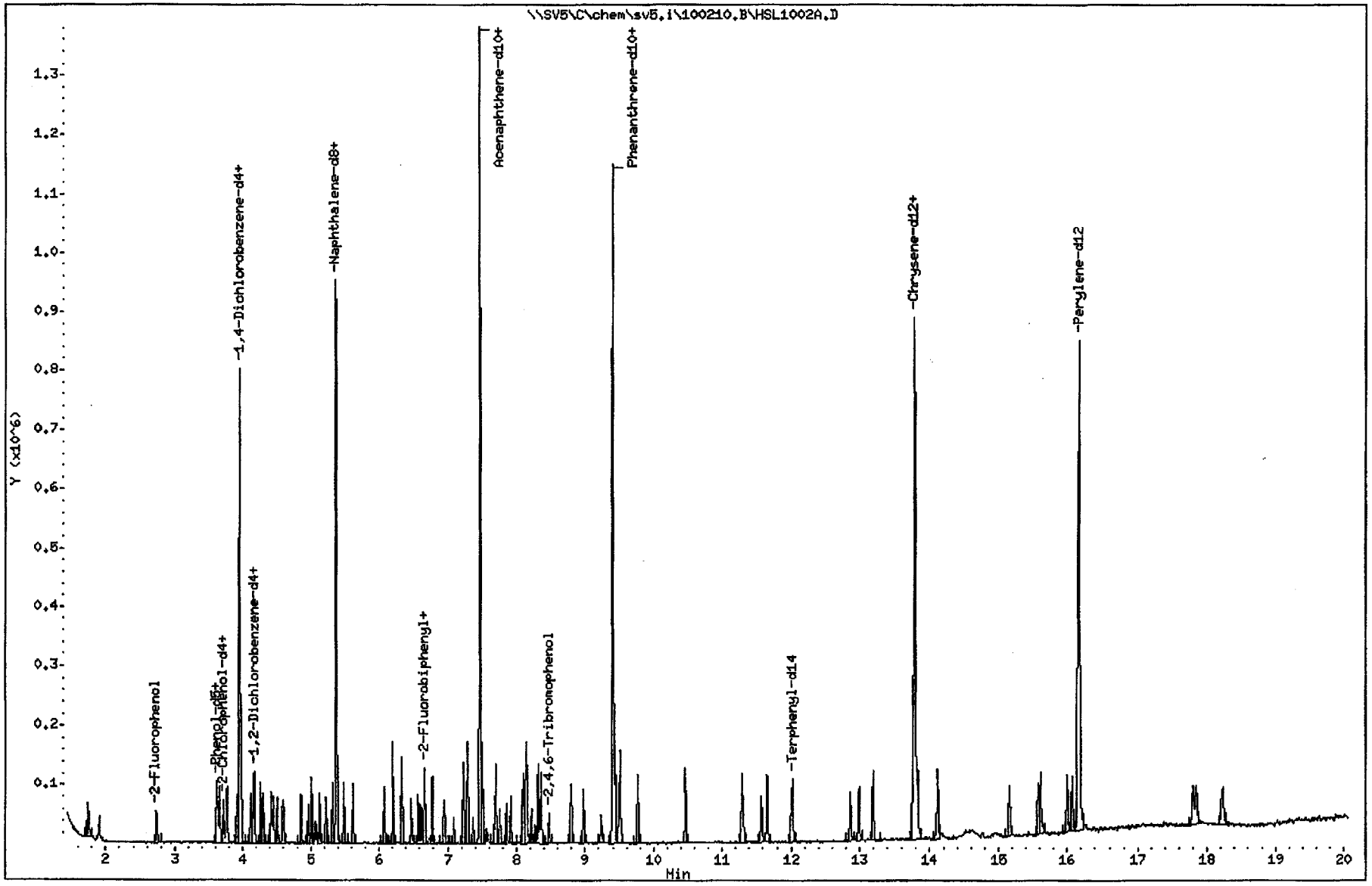
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	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\100210.B\HSL1002A.D
Date : 02-OCT-2010 12:27
Client ID: 8270F.H
Sample Info: HSL_005 ug/ml CS-1;1;;1;;;;;4

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

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:53
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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	116839	40.0000	(Q)
* 2	Naphthalene-d8	136	5.364	5.374	(1.000)	493196	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	272639	40.0000	
* 4	Phenanthrene-d10	188	9.406	9.405	(1.000)	428440	40.0000	
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	412260	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	419005	40.0000	
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	38100	10.0000	9.251
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	48878	10.0000	9.438
$ 9	2-Chlorophenol-d4	132	3.747	3.758	(0.948)	45430	10.0000	9.989
$ 10	1,2-Dichlorobenzene-d4	152	4.151	4.162	(1.050)	28658	10.0000	9.959
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.853)	42237	10.0000	10.11(QM)
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	85886	10.0000	9.779
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	11265	10.0000	9.508
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	81026	10.0000	9.978
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	25783	10.0000	9.578(q)
16	Pyridine	79	1.737	1.726	(0.439)	40141	10.0000	8.917(Q)
23	Aniline	93	3.654	3.654	(0.924)	63074	10.0000	9.568(q)
24	Phenol	94	3.623	3.623	(0.916)	57313	10.0000	9.631(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	40383	10.0000	9.677
27	2-Chlorophenol	128	3.768	3.768	(0.953)	45449	10.0000	9.950
28	1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	49415	10.0000	9.932
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	52537	10.0000	10.10
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	30277	10.0000	9.862
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	47666	10.0000	9.966
32	2-Methylphenol	108	4.255	4.255	(1.076)	40581	10.0000	9.714
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	64869	10.0000	9.768
34	4-Methylphenol	108	4.421	4.421	(1.118)	43497	10.0000	9.803
36	Hexachloroethane	117	4.504	4.504	(1.139)	17770	10.0000	10.03
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	28335	10.0000	9.587
42	Nitrobenzene	77	4.597	4.597	(0.857)	40198	10.0000	9.845
44	Isophorone	82	4.856	4.856	(0.905)	76804	10.0000	9.782
45	2-Nitrophenol	139	4.960	4.960	(0.925)	23221	10.0000	9.585
46	2,4-Dimethyphenol	107	5.012	5.012	(0.934)	42128	10.0000	9.787

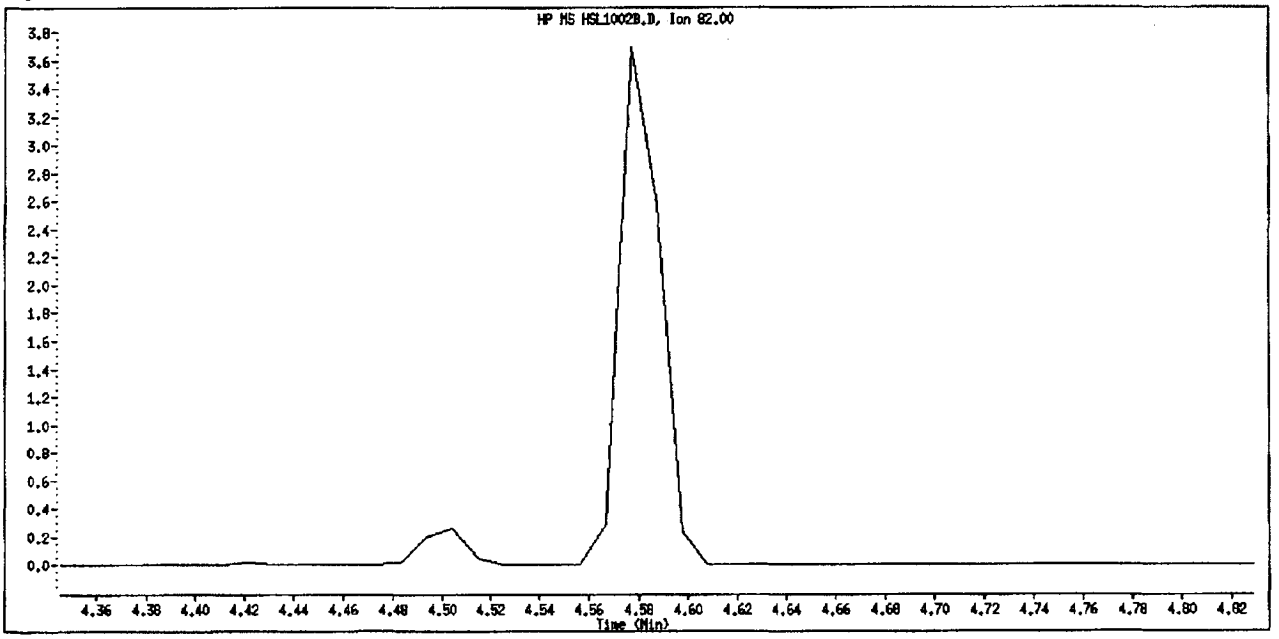
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.956)	46230	10.0000	9.636
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	32450	10.0000	9.744
50 Benzoic Acid	122	5.084	5.115	(0.948)	20056	10.0000	8.418
51 1,2,4-Trichlorobenzene	180	5.323	5.322	(0.992)	35544	10.0000	9.857
52 Naphthalene	128	5.395	5.395	(1.006)	138665	10.0000	10.18
54 4-Chloroaniline	127	5.488	5.488	(1.023)	52444	10.0000	9.826
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	17030	10.0000	9.650
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.131)	35592	10.0000	9.570
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	83922	10.0000	9.811
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	18919	10.0000	9.300
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	20325	10.0000	9.344
70 2,4,5-Trichlorphenol	196	6.618	6.628	(0.886)	22419	10.0000	9.567
71 2-Chloronaphthalene	162	6.773	6.784	(0.907)	74574	10.0000	9.719
73 2-Nitroaniline	65	6.950	6.949	(0.931)	21647	10.0000	9.308
76 Dimethylphthalate	163	7.219	7.229	(0.967)	85330	10.0000	9.659
77 Acenaphthylene	152	7.281	7.281	(0.975)	130392	10.0000	9.758
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	18661	10.0000	9.067(QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	23598	10.0000	9.186(q)
81 Acenaphthene	153	7.509	7.509	(1.006)	83474	10.0000	9.814
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	7537	10.0000	10.11(q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	110503	10.0000	9.789
84 4-Nitrophenol	109	7.675	7.675	(1.028)	9643	10.0000	9.049(Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	24530	10.0000	9.080
91 Fluorene	166	8.131	8.131	(1.089)	91225	10.0000	9.759
92 Diethylphthalate	149	8.100	8.100	(1.085)	88532	10.0000	9.788
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	38113	10.0000	9.807
94 4-Nitroaniline	138	8.214	8.214	(1.100)	23002	10.0000	9.033
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	11282	10.0000	11.10
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	74860	11.7000	11.53
100 Azobenzene	77	8.349	8.348	(0.888)	82437	10.0000	9.784
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	19823	10.0000	9.478
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	23622	10.0000	10.11
110 Pentachlorophenol	266	9.240	9.240	(0.982)	10551	10.0000	10.90
114 Phenanthrene	178	9.437	9.437	(1.003)	134966	10.0000	9.995
115 Anthracene	178	9.499	9.499	(1.010)	130416	10.0000	9.667
118 Carbazole	167	9.768	9.768	(1.039)	120549	10.0000	9.782
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	141693	10.0000	9.555
126 Fluoranthene	202	11.302	11.302	(1.202)	115262	10.0000	9.526
127 Benzidine	184	11.571	11.571	(0.840)	78774	10.0000	9.428
128 Pyrene	202	11.654	11.665	(0.846)	127577	10.0000	9.901
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	66361	10.0000	8.997
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	62032	10.0000	9.605
138 Benzo(a)Anthracene	228	13.748	13.758	(0.998)	102788	10.0000	9.360
139 Chrysene	228	13.820	13.831	(1.003)	113552	10.0000	10.11
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	38850	10.0000	9.379
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	83377	10.0000	9.372
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	126961	10.0000	8.928
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	84929	10.0000	8.954(Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	122065	10.0000	10.02(q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	97140	10.0000	9.821
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	102327	10.0000	9.516
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	76748	10.0000	8.824
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	88393	10.0000	9.097
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	103135	10.0000	9.804

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				206994	10.0000	9.556(A)

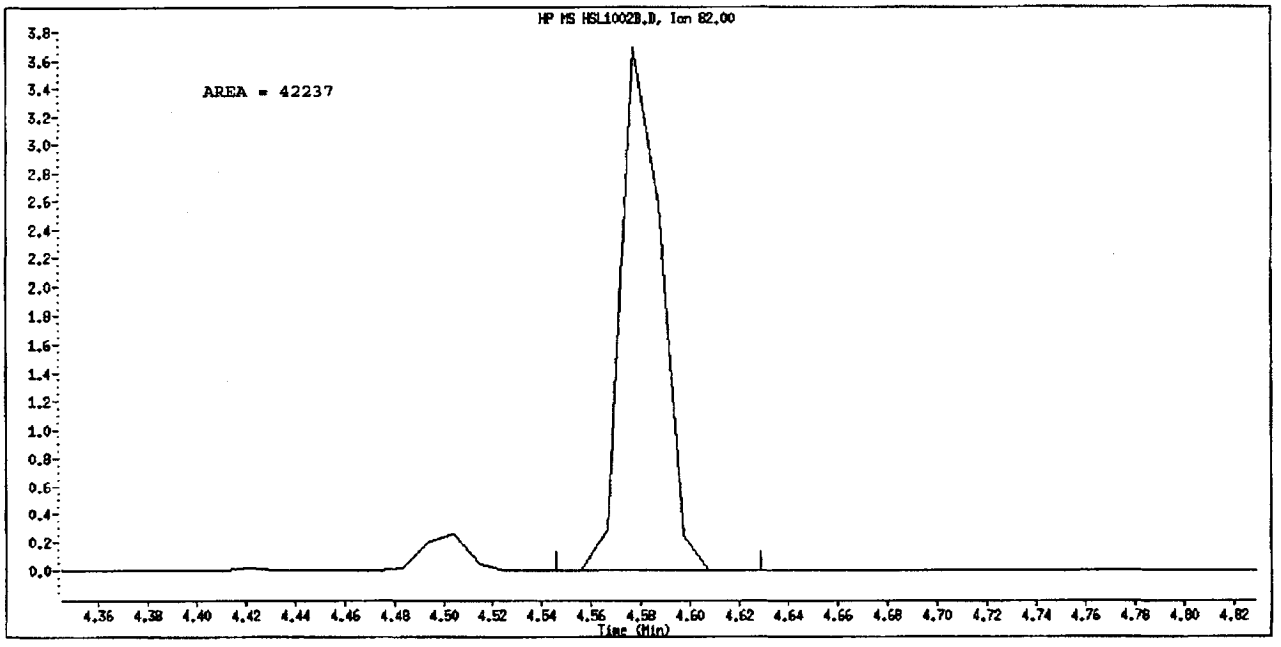
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002B.D
Inj. Date and Time: 02-OCT-2010 12:53
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



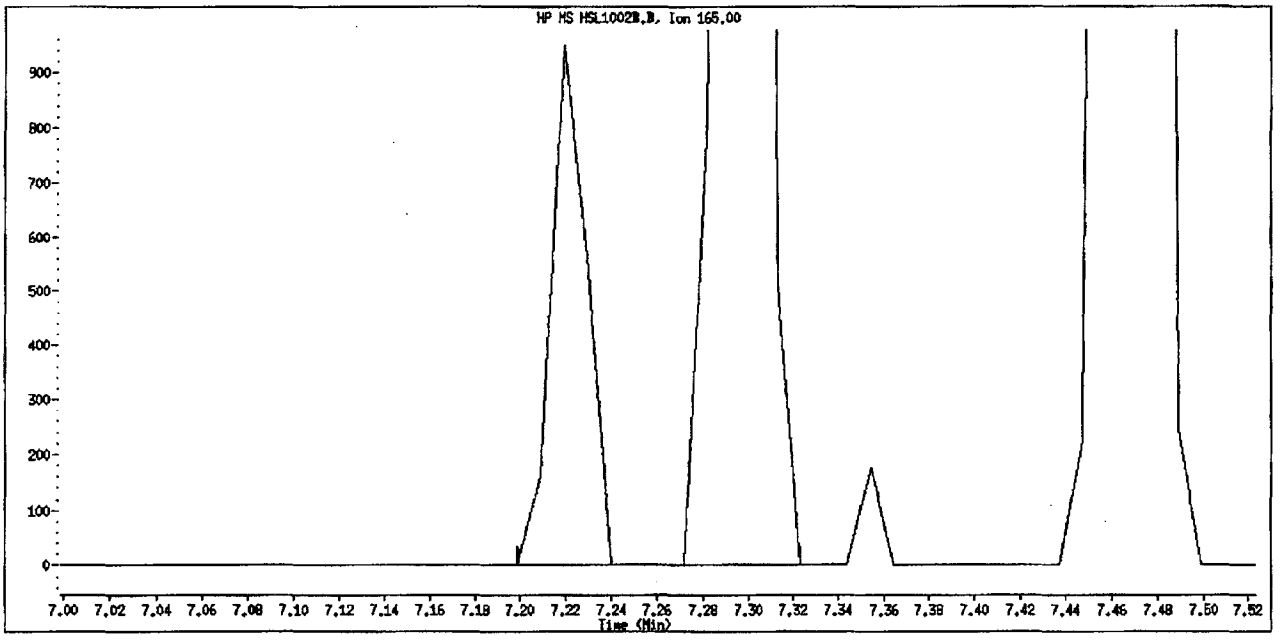
Original Integration



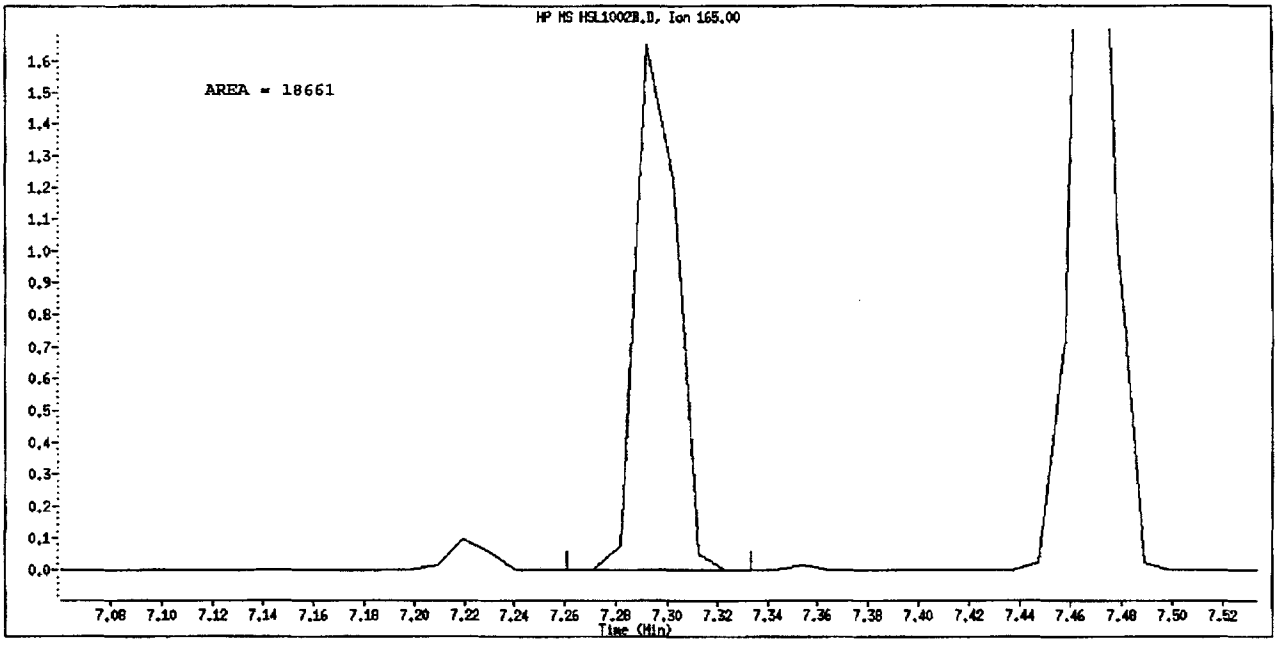
Manual Integration

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

Data File Name: HSL1002B.D
Inj. Date and Time: 02-OCT-2010 12:53
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:53
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\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 Calibration Sample, Level: 2
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	3.955	3.955	(1.000)	116839	40.0000		(Q)
* 2 Naphthalene-d8	136	5.364	5.374	(1.000)	493196	40.0000		
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	272639	40.0000		
* 4 Phenanthrene-d10	188	9.406	9.405	(1.000)	428440	40.0000		
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	412260	40.0000		
* 6 Perylene-d12	264	16.162	16.162	(1.000)	419005	40.0000		
$ 7 2-Fluorophenol	112	2.732	2.732	(0.691)	38100	10.0000	8.835	
$ 8 Phenol-d5	99	3.613	3.613	(0.914)	48878	10.0000	8.913	
$ 9 2-Chlorophenol-d4	132	3.747	3.758	(0.948)	45430	10.0000	9.716	
$ 10 1,2-Dichlorobenzene-d4	152	4.151	4.162	(1.050)	28658	10.0000	9.820	
$ 11 Nitrobenzene-d5	82	Compound Not Detected.						
$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	85886	10.0000	9.835	
$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	11265	10.0000	10.46	
$ 14 Terphenyl-d14	244	12.017	12.017	(0.872)	81026	10.0000	10.08	
15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	25783	10.0000	9.059	
16 Pyridine	79	1.737	1.726	(0.439)	40141	10.0000	8.464	
23 Aniline	93	3.654	3.654	(0.924)	63074	10.0000	9.172	(q)
24 Phenol	94	3.623	3.623	(0.916)	57313	10.0000	9.827	(Q)
26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	40383	10.0000	9.114	
27 2-Chlorophenol	128	3.768	3.768	(0.953)	45449	10.0000	9.848	
28 1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	49415	10.0000	9.689	
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	52537	10.0000	10.19	
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	30277	10.0000	9.547	
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	47666	10.0000	9.755	
32 2-Methylphenol	108	4.255	4.255	(1.076)	40581	10.0000	9.413	
33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	64869	10.0000	7.888	
34 4-Methylphenol	108	4.421	4.421	(1.118)	43497	10.0000	9.466	
36 Hexachloroethane	117	4.504	4.504	(1.139)	17770	10.0000	9.768	
37 N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	28335	10.0000	8.809	
42 Nitrobenzene	77	4.597	4.597	(0.857)	40198	10.0000	9.246	
44 Isophorone	82	4.856	4.856	(0.905)	76804	10.0000	9.318	
45 2-Nitrophenol	139	4.960	4.960	(0.925)	23221	10.0000	9.784	
46 2,4-Dimethyphenol	107	5.012	5.012	(0.934)	42128	10.0000	9.559	

10-3-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.956)	46230	10.0000	9.421
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	32450	10.0000	10.00
50 Benzoic Acid	122	5.084	5.115	(0.948)	20056	10.0000	8.164
51 1,2,4-Trichlorobenzene	180	5.323	5.322	(0.992)	35544	10.0000	10.11
52 Naphthalene	128	5.395	5.395	(1.006)	138665	10.0000	10.10
54 4-Chloroaniline	127	5.488	5.488	(1.023)	52444	10.0000	9.711
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	17030	10.0000	10.18
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.131)	35592	10.0000	9.536
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	83922	10.0000	10.02
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	18919	10.0000	9.098
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	20325	10.0000	9.847
70 2,4,5-Trichlorphenol	196	6.618	6.628	(0.886)	22419	10.0000	9.889
71 2-Chloronaphthalene	162	6.773	6.784	(0.907)	74574	10.0000	9.756
73 2-Nitroaniline	65	6.950	6.949	(0.931)	21647	10.0000	8.456
76 Dimethylphthalate	163	7.219	7.229	(0.967)	85330	10.0000	9.665
77 Acenaphthylene	152	7.281	7.281	(0.975)	130392	10.0000	9.758
79 2,6-Dinitrotoluene	165	7.219	7.302	(0.967)	19698	10.0000	9.963(Q)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	23598	10.0000	9.002(q)
81 Acenaphthene	153	7.509	7.509	(1.006)	83474	10.0000	9.804
82 2,4-Dinitrophenol	184	7.571	7.571	(1.014)	7537	10.0000	9.147(q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	110503	10.0000	9.824
84 4-Nitrophenol	109	7.675	7.675	(1.028)	9643	10.0000	8.425(Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	24530	10.0000	9.262
91 Fluorene	166	8.131	8.131	(1.089)	91225	10.0000	9.898
92 Diethylphthalate	149	8.100	8.100	(1.085)	88532	10.0000	9.594
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	38113	10.0000	10.03
94 4-Nitroaniline	138	8.214	8.214	(1.100)	23002	10.0000	8.977
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	11282	10.0000	11.76
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	74860	11.7000	11.21
100 Azobenzene	77	8.349	8.348	(0.888)	82437	10.0000	8.875
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	19823	10.0000	9.575
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	23622	10.0000	10.56
110 Pentachlorophenol	266	9.240	9.240	(0.982)	10551	10.0000	7.861
114 Phenanthrene	178	9.437	9.437	(1.003)	134966	10.0000	10.10
115 Anthracene	178	9.499	9.499	(1.010)	130416	10.0000	9.697
118 Carbazole	167	9.768	9.768	(1.039)	120549	10.0000	9.637
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	141693	10.0000	9.367
126 Fluoranthene	202	11.302	11.302	(1.202)	115262	10.0000	9.583
127 Benzidine	184	11.571	11.571	(0.840)	78774	10.0000	9.305
128 Pyrene	202	11.654	11.665	(0.846)	127577	10.0000	9.897
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	66361	10.0000	9.134
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	62032	10.0000	9.418
138 Benzo(a)Anthracene	228	13.748	13.758	(0.998)	102788	10.0000	9.450
139 Chrysene	228	13.820	13.831	(1.003)	113552	10.0000	10.05
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	38850	10.0000	9.762
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	83377	10.0000	9.194
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	126961	10.0000	8.756
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	84929	10.0000	8.548(Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	122065	10.0000	10.51(q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	97140	10.0000	9.863
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	102327	10.0000	9.463
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	76748	10.0000	8.022
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	88393	10.0000	9.016
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	103135	10.0000	9.811

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				206994	10.0000	9.607(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
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: HSL1002B.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\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	116839	-4.72
2 Naphthalene-d8	530514	265257	1061028	493196	-7.03
3 Acenaphthene-d10	282538	141269	565076	272639	-3.50
4 Phenanthrene-d10	462722	231361	925444	428440	-7.41
5 Chrysene-d12	435850	217925	871700	412260	-5.41
6 Perylene-d12	422284	211142	844568	419005	-0.78

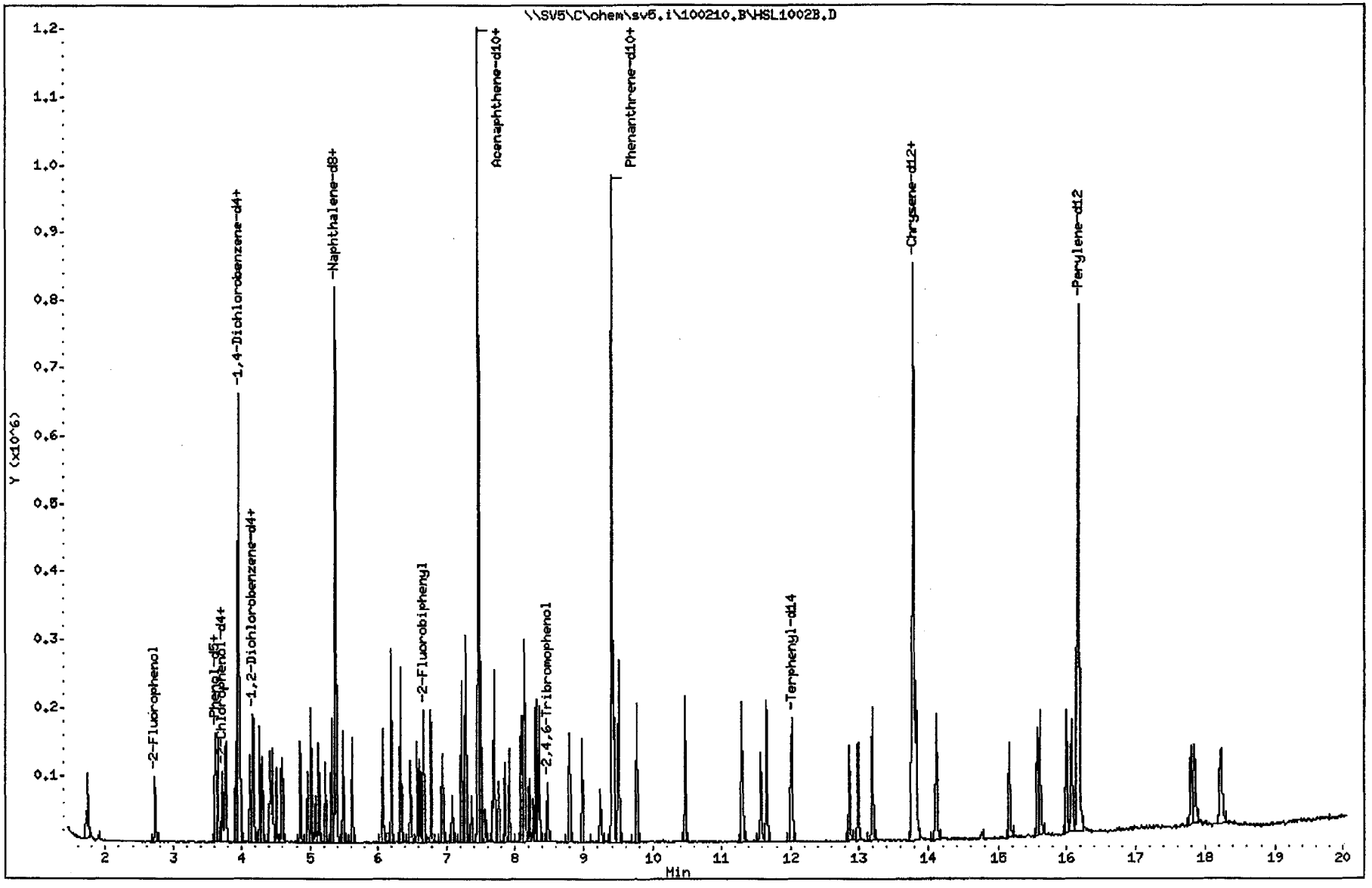
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.36	-0.19
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	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\100210.B\HSL1002B.D
Date : 02-OCT-2010 12:53
Client ID: 8270F.H
Sample Info: HSL_010 ug/ml CS-2;1;;2;;;;4

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

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:18
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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	145926	40.0000		(Q)
*	2 Naphthalene-d8	136	5.364	5.374	(1.000)	625682	40.0000		
*	3 Acenaphthene-d10	164	7.467	7.468	(1.000)	328608	40.0000		
*	4 Phenanthrene-d10	188	9.405	9.405	(1.000)	525834	40.0000		
*	5 Chrysene-d12	240	13.779	13.779	(1.000)	590727	40.0000		
*	6 Perylene-d12	264	16.162	16.162	(1.000)	619266	40.0000		
$	7 2-Fluorophenol	112	2.732	2.732	(0.691)	100961	20.0000	19.63	
$	8 Phenol-d5	99	3.612	3.613	(0.914)	127066	20.0000	19.64	
$	9 2-Chlorophenol-d4	132	3.747	3.758	(0.948)	112302	20.0000	19.77	
$	10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	72837	20.0000	20.27	(q)
$	11 Nitrobenzene-d5	82	4.576	4.576	(0.853)	103440	20.0000	19.52	
$	12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	209764	20.0000	19.82	
$	13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	28698	20.0000	20.10	
$	14 Terphenyl-d14	244	12.017	12.017	(0.872)	218324	20.0000	18.76	
	15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	66431	20.0000	19.76	(q)
	16 Pyridine	79	1.726	1.726	(0.437)	116339	20.0000	20.69	(Q)
	23 Aniline	93	3.654	3.654	(0.924)	160510	20.0000	19.50	
	24 Phenol	94	3.623	3.623	(0.916)	147994	20.0000	19.91	
	26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	101777	20.0000	19.53	
	27 2-Chlorophenol	128	3.768	3.768	(0.953)	114481	20.0000	20.07	
	28 1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	122398	20.0000	19.70	
	29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	126965	20.0000	19.54	
	30 Benzyl Alcohol	108	4.120	4.120	(1.042)	72366	20.0000	18.87	
	31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	117073	20.0000	19.60	
	32 2-Methylphenol	108	4.255	4.255	(1.076)	101499	20.0000	19.45	
	33 2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	166596	20.0000	20.08	
	34 4-Methylphenol	108	4.421	4.421	(1.118)	106723	20.0000	19.26	
	36 Hexachloroethane	117	4.504	4.504	(1.139)	44196	20.0000	19.98	
	37 N-Nitrosodinpropylamine	70	4.441	4.442	(1.123)	73913	20.0000	20.02	
	42 Nitrobenzene	77	4.597	4.597	(0.857)	101809	20.0000	19.65	
	44 Isophorone	82	4.856	4.856	(0.905)	191333	20.0000	19.21	
	45 2-Nitrophenol	139	4.960	4.960	(0.925)	58938	20.0000	19.18	
	46 2,4-Dimethyphenol	107	5.011	5.012	(0.934)	107325	20.0000	19.65	

LT 10-3-10

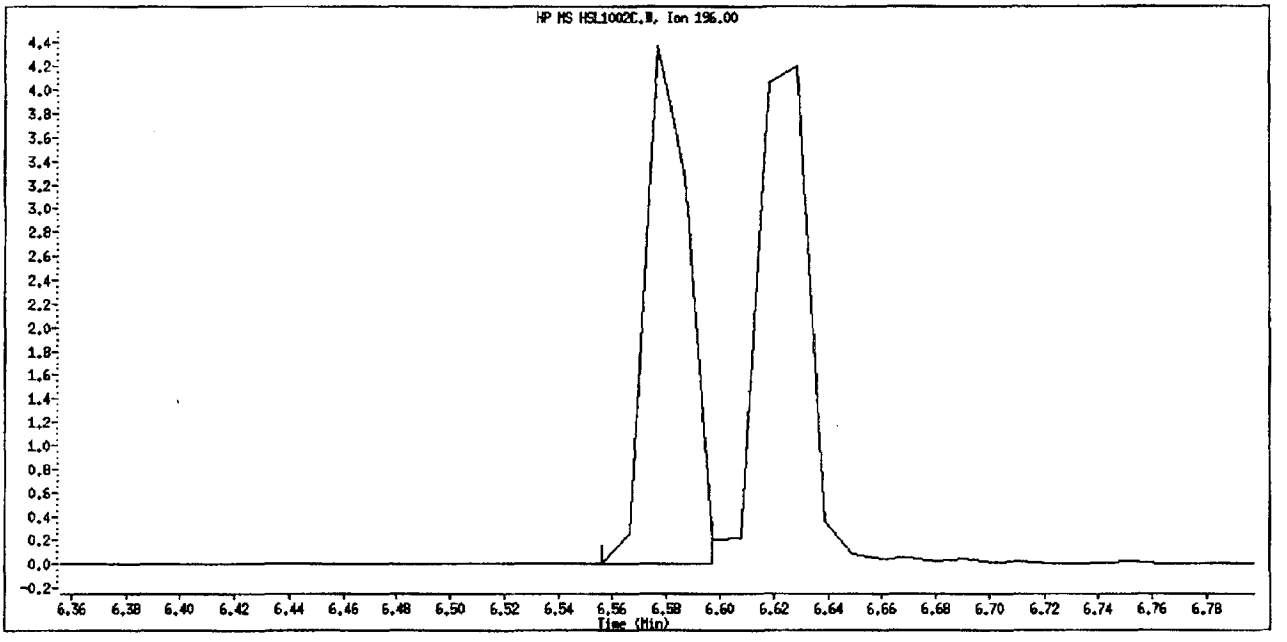
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.956)	120646	20.0000	19.82
49	2,4-Dichlorophenol	162	5.229	5.229	(0.975)	84525	20.0000	20.01
50	Benzoic Acid	122	5.094	5.115	(0.950)	54506	20.0000	18.03
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.992)	89082	20.0000	19.47
52	Naphthalene	128	5.395	5.395	(1.006)	336100	20.0000	19.46
54	4-Chloroaniline	127	5.488	5.488	(1.023)	135348	20.0000	19.99
57	Hexachlorobutadiene	225	5.613	5.613	(1.046)	45138	20.0000	20.16
60	4-Chloro-3-Methylphenol	107	6.068	6.069	(1.131)	90970	20.0000	19.28
63	2-Methylnaphthalene	142	6.203	6.203	(1.156)	212981	20.0000	19.62
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	47478	20.0000	19.36
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	49658	20.0000	18.94(Q)
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	55529	20.0000	19.66(QM)
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	180754	20.0000	19.54
73	2-Nitroaniline	65	6.949	6.949	(0.931)	54872	20.0000	19.58
76	Dimethylphthalate	163	7.219	7.229	(0.967)	213272	20.0000	20.03
77	Acenaphthylene	152	7.281	7.281	(0.975)	315165	20.0000	19.57
79	2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	49111	20.0000	19.80(QM)
80	3-Nitroaniline	138	7.447	7.447	(0.997)	59114	20.0000	19.09
81	Acenaphthene	153	7.509	7.509	(1.006)	208228	20.0000	20.31
82	2,4-Dinitrophenol	184	7.571	7.572	(1.014)	23799	20.0000	19.52
83	Dibenzofuran	168	7.695	7.706	(1.031)	271431	20.0000	19.95
84	4-Nitrophenol	109	7.675	7.675	(1.028)	25164	20.0000	19.59(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	63223	20.0000	19.42
91	Fluorene	166	8.131	8.131	(1.089)	220647	20.0000	19.58
92	Diethylphthalate	149	8.100	8.100	(1.085)	216140	20.0000	19.83
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	93468	20.0000	19.95
94	4-Nitroaniline	138	8.214	8.214	(1.100)	61333	20.0000	19.98
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	32982	20.0000	20.44
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	186206	23.4000	23.36
100	Azobenzene	77	8.348	8.348	(0.888)	203290	20.0000	19.66
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	50693	20.0000	19.75
108	Hexachlorobenzene	284	8.980	8.981	(0.955)	54528	20.0000	19.02
110	Pentachlorophenol	266	9.240	9.240	(0.982)	30451	20.0000	20.33
114	Phenanthrene	178	9.436	9.437	(1.003)	329718	20.0000	19.89
115	Anthracene	178	9.499	9.499	(1.010)	326558	20.0000	19.72
118	Carbazole	167	9.768	9.768	(1.039)	298921	20.0000	19.76
120	Di-n-Butylphthalate	149	10.462	10.463	(1.112)	358075	20.0000	19.68
126	Fluoranthene	202	11.302	11.302	(1.202)	308182	20.0000	20.75
127	Benzidine	184	11.571	11.571	(0.840)	222260	20.0000	18.56
128	Pyrene	202	11.665	11.665	(0.847)	345805	20.0000	18.73
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	198960	20.0000	18.82
136	Butylbenzylphthalate	149	12.991	12.991	(0.943)	174685	20.0000	18.88
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	304948	20.0000	19.38
139	Chrysene	228	13.820	13.831	(1.003)	314030	20.0000	19.51
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	115458	20.0000	19.45
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	248201	20.0000	19.47
142	Di-n-octylphthalate	149	15.157	15.167	(1.100)	400592	20.0000	19.66
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	256213	20.0000	18.28(Q)
145	Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	371629	20.0000	20.65(q)
147	Benzo(e)pyrene	252	15.996	16.007	(0.990)	281015	20.0000	19.22
148	Benzo(a)pyrene	252	16.069	16.079	(0.994)	307781	20.0000	19.37
151	Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	228110	20.0000	17.74
152	Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	270172	20.0000	18.81
153	Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	301520	20.0000	19.39

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				627842	20.0000	19.61(A)

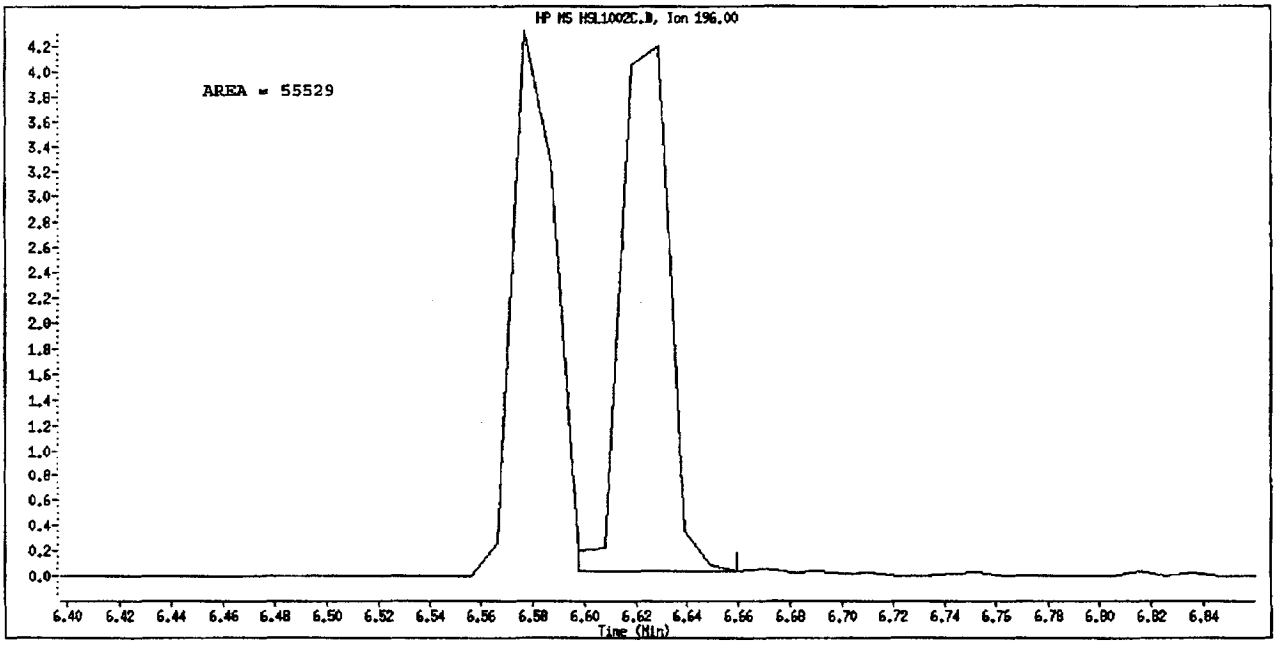
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002C.D
Inj. Date and Time: 02-OCT-2010 13:18
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorphenol
CAS #: 95-95-4
Report Date: 10/03/2010



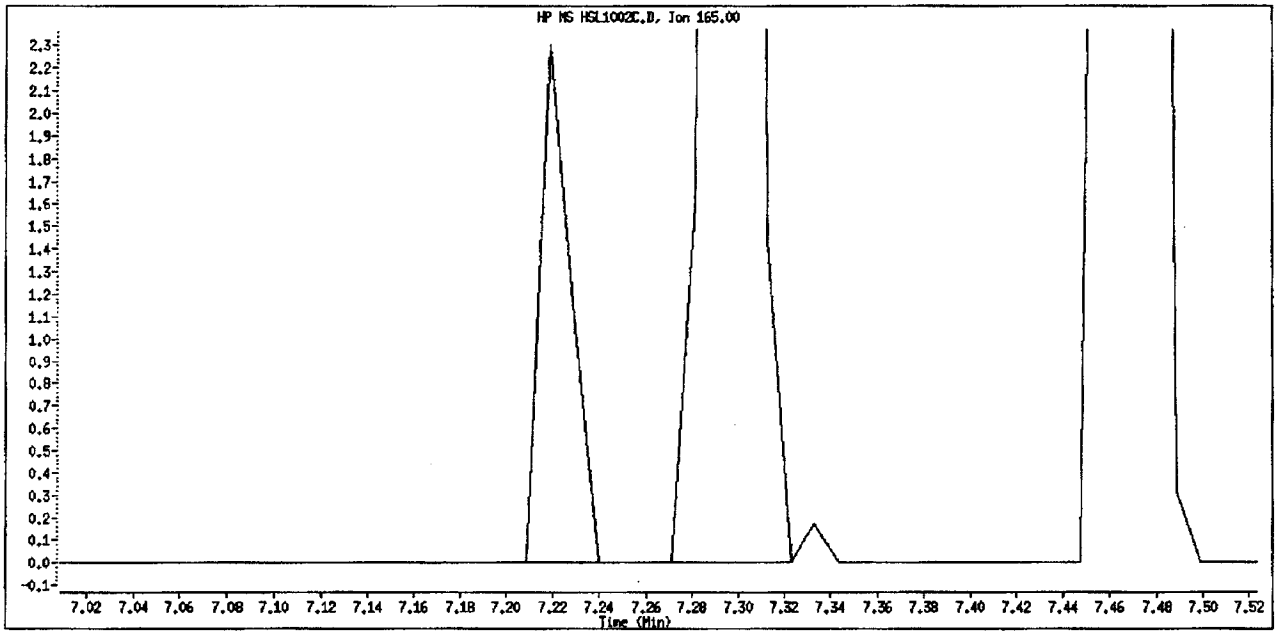
Original Integration



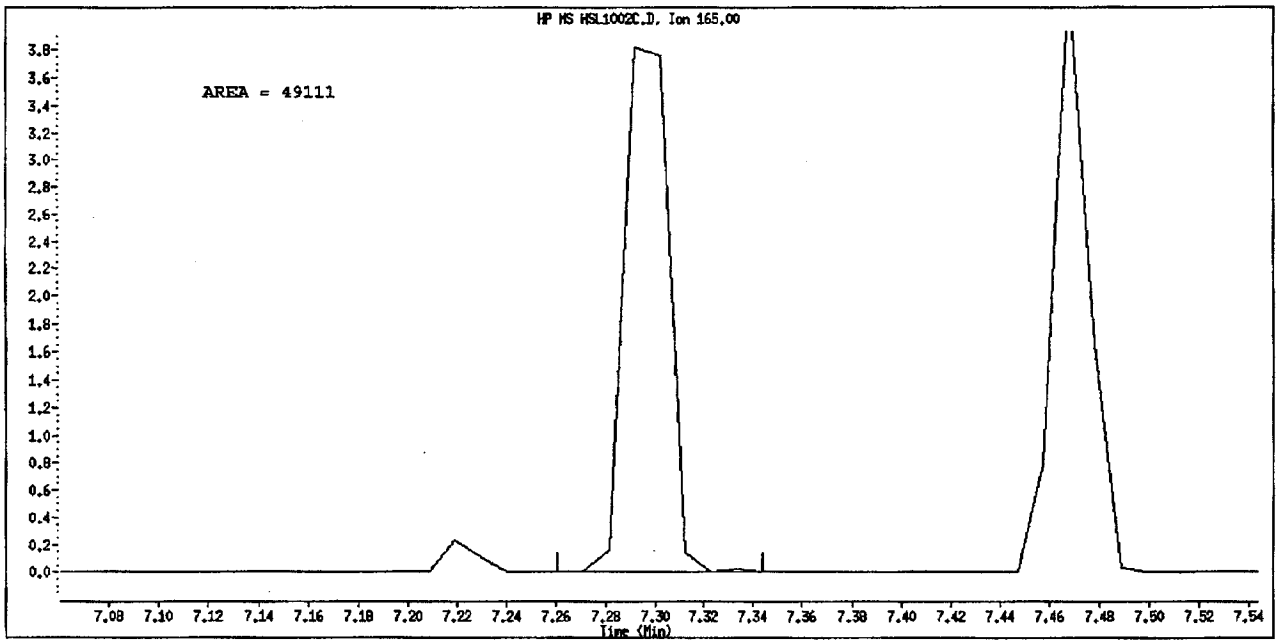
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

Data File Name: HSL1002C.D
Inj. Date and Time: 02-OCT-2010 13:18
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:18
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\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 3 Calibration Sample, Level: 3
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	3.954	3.955	(1.000)	145926	40.0000		(Q)
*	2 Naphthalene-d8	136	5.364	5.374	(1.000)	625682	40.0000		
*	3 Acenaphthene-d10	164	7.467	7.468	(1.000)	328608	40.0000		
*	4 Phenanthrene-d10	188	9.405	9.405	(1.000)	525834	40.0000		
*	5 Chrysene-d12	240	13.779	13.779	(1.000)	590727	40.0000		
*	6 Perylene-d12	264	16.162	16.162	(1.000)	619266	40.0000		
$	7 2-Fluorophenol	112	2.732	2.732	(0.691)	100961	20.0000	18.75	
$	8 Phenol-d5	99	3.612	3.613	(0.914)	127066	20.0000	18.55	
$	9 2-Chlorophenol-d4	132	3.747	3.758	(0.948)	112302	20.0000	19.23	
$	10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	72837	20.0000	19.98	(q)
$	11 Nitrobenzene-d5	82	4.576	4.576	(0.853)	103440	20.0000	18.64	
$	12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	209764	20.0000	19.93	
$	13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	28698	20.0000	22.12	
$	14 Terphenyl-d14	244	12.017	12.017	(0.872)	218324	20.0000	18.95	
	15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	66431	20.0000	18.69	
	16 Pyridine	79	1.726	1.726	(0.437)	116339	20.0000	19.64	
	23 Aniline	93	3.654	3.654	(0.924)	160510	20.0000	18.69	
	24 Phenol	94	3.623	3.623	(0.916)	147994	20.0000	20.32	
	26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	101777	20.0000	18.39	
	27 2-Chlorophenol	128	3.768	3.768	(0.953)	114481	20.0000	19.86	
	28 1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	122398	20.0000	19.22	
	29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	126965	20.0000	19.72	
	30 Benzyl Alcohol	108	4.120	4.120	(1.042)	72366	20.0000	18.27	
	31 1,2-Dichlorobehzene	146	4.172	4.172	(1.055)	117073	20.0000	19.18	
	32 2-Methylphenol	108	4.255	4.255	(1.076)	101499	20.0000	18.85	
	33 2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	166596	20.0000	16.22	
	34 4-Methylphenol	108	4.421	4.421	(1.118)	106723	20.0000	18.60	
	36 Hexachloroethane	117	4.504	4.504	(1.139)	44196	20.0000	19.45	
	37 N-Nitrosodinpropylamine	70	4.441	4.442	(1.123)	73913	20.0000	18.40	
	42 Nitrobenzene	77	4.597	4.597	(0.857)	101809	20.0000	18.46	
	44 Isophorone	82	4.856	4.856	(0.905)	191333	20.0000	18.30	
	45 2-Nitrophenol	139	4.960	4.960	(0.925)	58938	20.0000	19.57	
	46 2,4-Dimethyphenol	107	5.011	5.012	(0.934)	107325	20.0000	19.20	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.956)	120646	20.0000	19.38
49	2,4-Dichlorophenol	162	5.229	5.229	(0.975)	84525	20.0000	20.54
50	Benzoic Acid	122	5.094	5.115	(0.950)	54506	20.0000	17.49
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.992)	89082	20.0000	19.97
52	Naphthalene	128	5.395	5.395	(1.006)	336100	20.0000	19.30
54	4-Chloroaniline	127	5.488	5.488	(1.023)	135348	20.0000	19.76
57	Hexachlorobutadiene	225	5.613	5.613	(1.046)	45138	20.0000	21.26
60	4-Chloro-3-Methylphenol	107	6.068	6.069	(1.131)	90970	20.0000	19.21
63	2-Methylnaphthalene	142	6.203	6.203	(1.156)	212981	20.0000	20.04
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	47478	20.0000	18.94
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	49658	20.0000	19.96(Q)
70	2,4,5-Trichlorphenol	196	6.576	6.628	(0.881)	49658	20.0000	18.17(Q)
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	180754	20.0000	19.62
73	2-Nitroaniline	65	6.949	6.949	(0.931)	54872	20.0000	17.78
76	Dimethylphthalate	163	7.219	7.229	(0.967)	213272	20.0000	20.04
77	Acenaphthylene	152	7.281	7.281	(0.975)	315165	20.0000	19.57
79	2,6-Dinitrotoluene	165	7.219	7.302	(0.967)	51125	20.0000	21.45(Q)
80	3-Nitroaniline	138	7.447	7.447	(0.997)	59114	20.0000	18.71
81	Acenaphthene	153	7.509	7.509	(1.006)	208228	20.0000	20.29
82	2,4-Dinitrophenol	184	7.571	7.571	(1.014)	23799	20.0000	19.22
83	Dibenzofuran	168	7.695	7.706	(1.031)	271431	20.0000	20.02
84	4-Nitrophenol	109	7.675	7.675	(1.028)	25164	20.0000	18.24(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	63223	20.0000	19.81
91	Fluorene	166	8.131	8.131	(1.089)	220647	20.0000	19.86
92	Diethylphthalate	149	8.100	8.100	(1.085)	216140	20.0000	19.43
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	93468	20.0000	20.41
94	4-Nitroaniline	138	8.214	8.214	(1.100)	61333	20.0000	19.86
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	32982	20.0000	20.90
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	186206	23.4000	22.72
100	Azobenzene	77	8.348	8.348	(0.888)	203290	20.0000	17.83
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	50693	20.0000	19.95
108	Hexachlorobenzene	284	8.980	8.981	(0.955)	54528	20.0000	19.87
110	Pentachlorophenol	266	9.240	9.240	(0.982)	30451	20.0000	18.48
114	Phenanthrene	178	9.436	9.437	(1.003)	329718	20.0000	20.10
115	Anthracene	178	9.499	9.499	(1.010)	326558	20.0000	19.78
118	Carbazole	167	9.768	9.768	(1.039)	298921	20.0000	19.47
120	Di-n-Butylphthalate	149	10.462	10.463	(1.112)	358075	20.0000	19.29
126	Fluoranthene	202	11.302	11.302	(1.202)	308182	20.0000	20.88
127	Benzidine	184	11.571	11.571	(0.840)	222260	20.0000	18.32
128	Pyrene	202	11.665	11.665	(0.847)	345805	20.0000	18.72
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	198960	20.0000	19.11
136	Butylbenzylphthalate	149	12.991	12.991	(0.943)	174685	20.0000	18.51
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	304948	20.0000	19.57
139	Chrysene	228	13.820	13.831	(1.003)	314030	20.0000	19.39
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	115458	20.0000	20.25
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	248201	20.0000	19.10
142	Di-n-octylphthalate	149	15.157	15.167	(1.100)	400592	20.0000	19.28
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	256213	20.0000	17.45(Q)
145	Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	371629	20.0000	21.66(q)
147	Benzo(e)pyrene	252	15.996	16.007	(0.990)	281015	20.0000	19.30
148	Benzo(a)pyrene	252	16.069	16.079	(0.994)	307781	20.0000	19.26
151	Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	228110	20.0000	16.13
152	Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	270172	20.0000	18.64
153	Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	301520	20.0000	19.41

Compounds	QUANT SIG MASS	RT	EXP RT	RRL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				627842	20.0000	19.72(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
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: HSL1002C.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\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	145926	19.00
2 Naphthalene-d8	530514	265257	1061028	625682	17.94
3 Acenaphthene-d10	282538	141269	565076	328608	16.31
4 Phenanthrene-d10	462722	231361	925444	525834	13.64
5 Chrysene-d12	435850	217925	871700	590727	35.53
6 Perylene-d12	422284	211142	844568	619266	46.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.36	-0.20
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	-0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	-0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	-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\100210.B\HSL1002C.D

Date : 02-OCT-2010 13:18

Client ID: 8270F.H

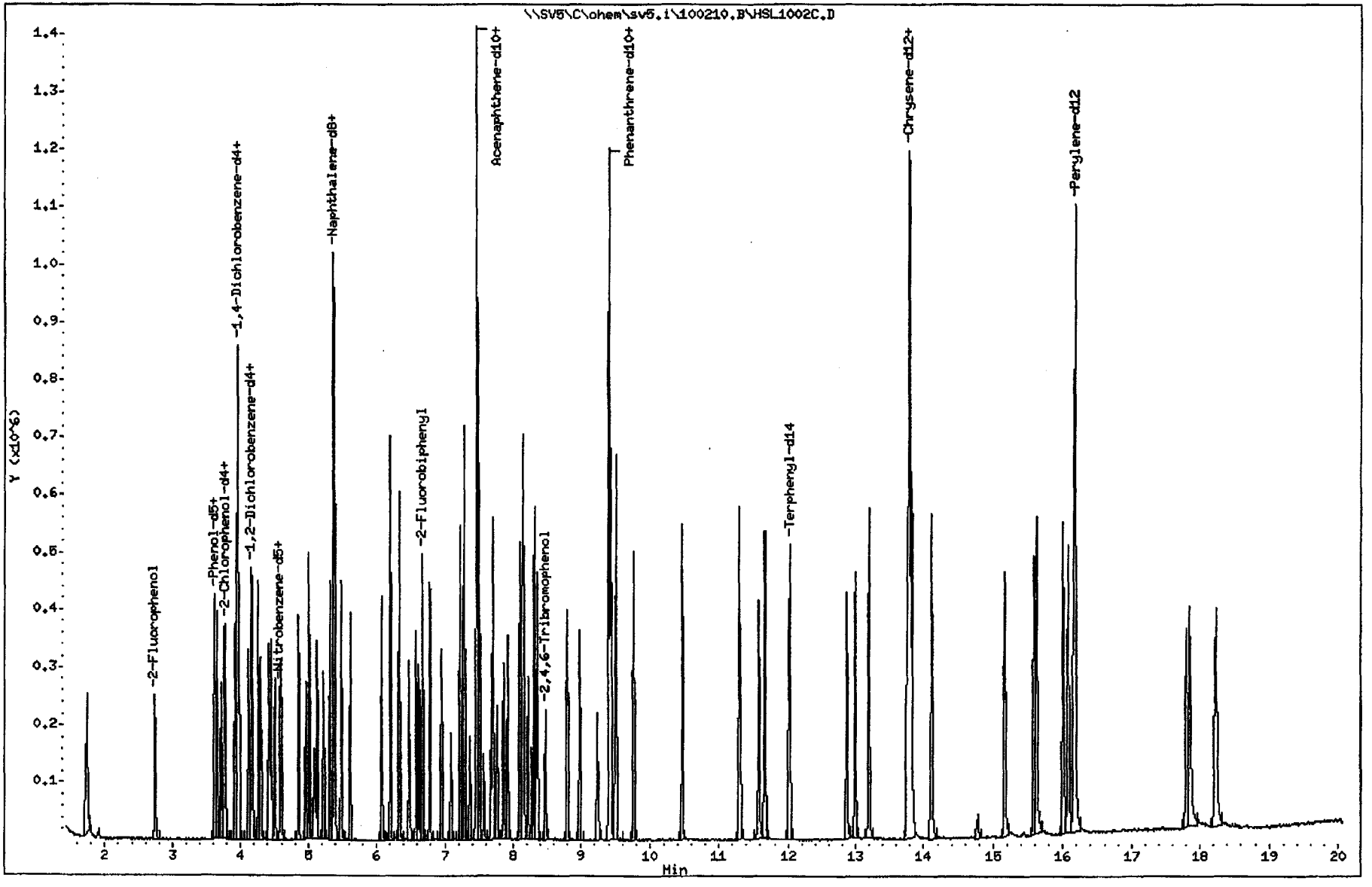
Sample Info: HSL_020 ug/ml CS-3:1::3::::4

Column phase:

Instrument: sv5.i

Operator: KT

Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002D.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:44
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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	122625	40.0000	
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	530514	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	282538	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	462722	40.0000	
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	435850	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	422284	40.0000	
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	220986	50.0000	51.13
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	274382	50.0000	50.48
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	244352	50.0000	51.19
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	151616	50.0000	50.20
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.852)	226162	50.0000	50.33
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	473978	50.0000	52.08
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	63311	50.0000	51.57
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	438253	50.0000	51.05
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	140972	50.0000	49.90(M)
16	Pyridine	79	1.726	1.726	(0.437)	240053	50.0000	50.81(M)
23	Aniline	93	3.654	3.654	(0.924)	346504	50.0000	50.08
24	Phenol	94	3.623	3.623	(0.916)	311820	50.0000	49.93
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	220455	50.0000	50.34
27	2-Chlorophenol	128	3.768	3.768	(0.953)	242442	50.0000	50.57
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	265384	50.0000	50.82
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	271151	50.0000	49.66
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	160914	50.0000	49.94
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	257606	50.0000	51.32
32	2-Methylphenol	108	4.255	4.255	(1.076)	218610	50.0000	49.86
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	349371	50.0000	50.12
34	4-Methylphenol	108	4.421	4.421	(1.118)	233354	50.0000	50.11
36	Hexachloroethane	117	4.504	4.504	(1.139)	94106	50.0000	50.62
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	156914	50.0000	50.59
42	Nitrobenzene	77	4.597	4.597	(0.855)	219387	50.0000	49.95
44	Isophorone	82	4.856	4.856	(0.904)	420061	50.0000	49.74
45	2-Nitrophenol	139	4.960	4.960	(0.923)	132771	50.0000	50.95
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	231517	50.0000	50.00

10-3-10

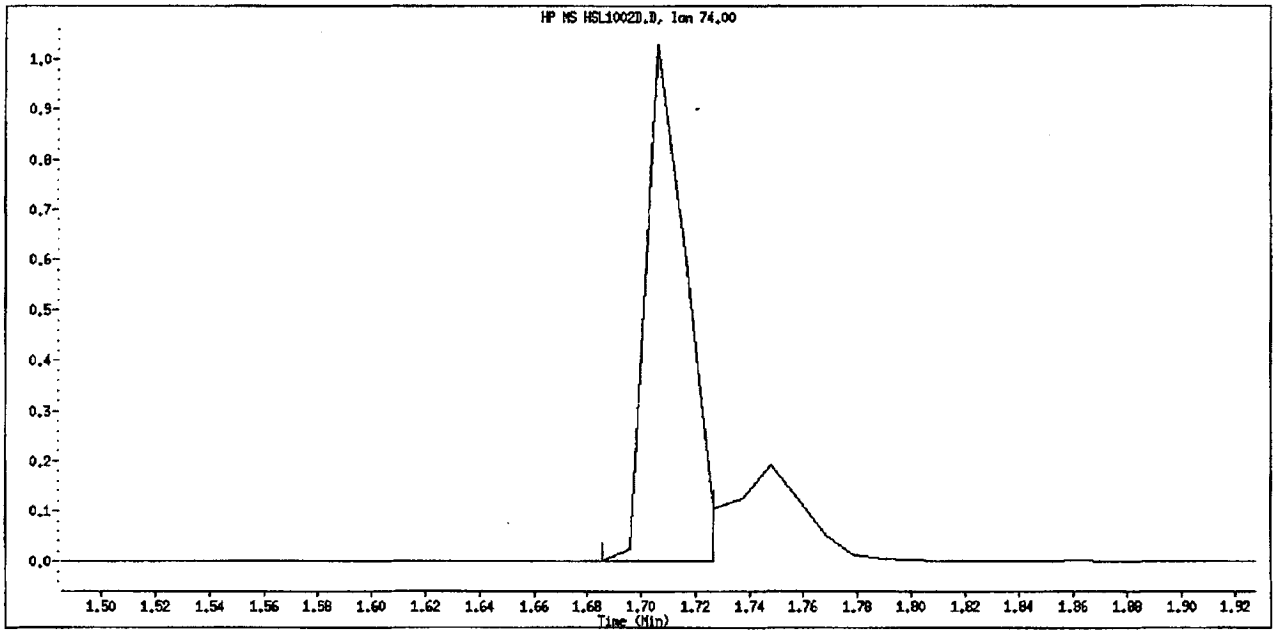
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	253648	50.0000	49.15
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	179296	50.0000	50.05
50 Benzoic Acid	122	5.115	5.115	(0.952)	128366	50.0000	50.08
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	197265	50.0000	50.86
52 Naphthalene	128	5.395	5.395	(1.004)	724980	50.0000	49.49
54 4-Chloroaniline	127	5.488	5.488	(1.021)	291184	50.0000	50.72
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	95592	50.0000	50.36
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	205388	50.0000	51.34
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	464646	50.0000	50.50
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	104908	50.0000	49.76
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	113001	50.0000	50.13
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	128196	50.0000	52.79
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	403257	50.0000	50.72
73 2-Nitroaniline	65	6.949	6.949	(0.931)	124335	50.0000	51.59
76 Dimethylphthalate	163	7.229	7.229	(0.968)	475258	50.0000	51.91
77 Acenaphthylene	152	7.281	7.281	(0.975)	712158	50.0000	51.43
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	110261	50.0000	51.69
80 3-Nitroaniline	138	7.447	7.447	(0.997)	141396	50.0000	53.11
81 Acenaphthene	153	7.509	7.509	(1.006)	448691	50.0000	50.90
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	58864	50.0000	47.37
83 Dibenzofuran	168	7.706	7.706	(1.032)	598735	50.0000	51.18
84 4-Nitrophenol	109	7.675	7.675	(1.028)	56777	50.0000	51.41
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	148875	50.0000	53.18
91 Fluorene	166	8.131	8.131	(1.089)	494097	50.0000	51.01
92 Diethylphthalate	149	8.100	8.100	(1.085)	487067	50.0000	51.96
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	209308	50.0000	51.97
94 4-Nitroaniline	138	8.214	8.214	(1.100)	135397	50.0000	51.31
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	76137	50.0000	46.58
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	409666	58.6000	58.41
100 Azobenzene	77	8.348	8.348	(0.888)	459960	50.0000	50.55
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	115283	50.0000	51.04
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	124963	50.0000	49.54
110 Pentachlorophenol	266	9.240	9.240	(0.982)	67882	50.0000	45.48
114 Phenanthrene	178	9.437	9.437	(1.003)	718164	50.0000	49.24
115 Anthracene	178	9.499	9.499	(1.010)	728681	50.0000	50.01
118 Carbazole	167	9.768	9.768	(1.039)	660885	50.0000	49.65
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	799142	50.0000	49.90
126 Fluoranthene	202	11.302	11.302	(1.202)	639252	50.0000	48.92
127 Benzidine	184	11.571	11.571	(0.840)	450332	50.0000	50.98
128 Pyrene	202	11.665	11.665	(0.847)	701084	50.0000	51.46
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	385489	50.0000	49.44
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	340978	50.0000	49.94
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	569271	50.0000	49.03
139 Chrysene	228	13.831	13.831	(1.004)	597685	50.0000	50.33
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	217413	50.0000	49.65
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	464144	50.0000	49.35
142 Di-n-octylphthalate	149	15.167	15.167	(1.101)	732406	50.0000	48.72
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	527487	50.0000	55.18
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	580084	50.0000	47.27
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	506622	50.0000	50.82
148 Benzo(a)pyrene	252	16.079	16.079	(0.995)	542578	50.0000	50.06
151 Indeno(1,2,3-cd)pyrene	276	17.800	17.800	(1.101)	447085	50.0000	51.00(M)
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	486893	50.0000	49.72
153 Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	527720	50.0000	49.77

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				1107571	50.0000	50.74(A)

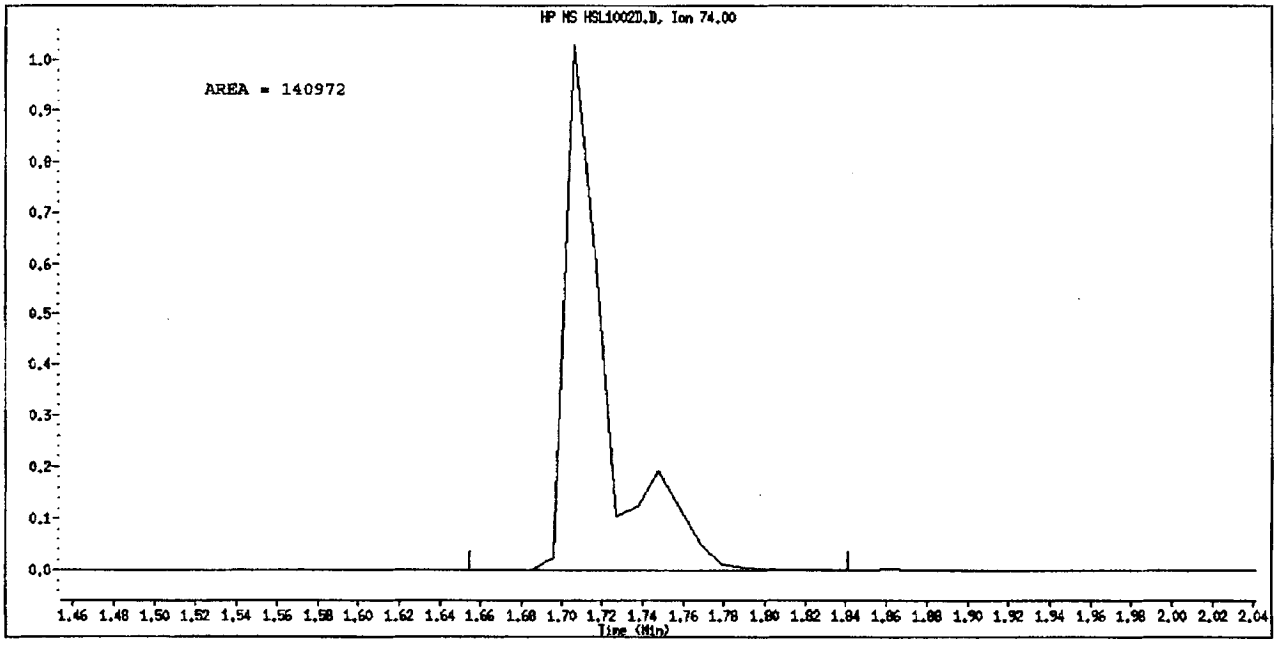
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 10/03/2010



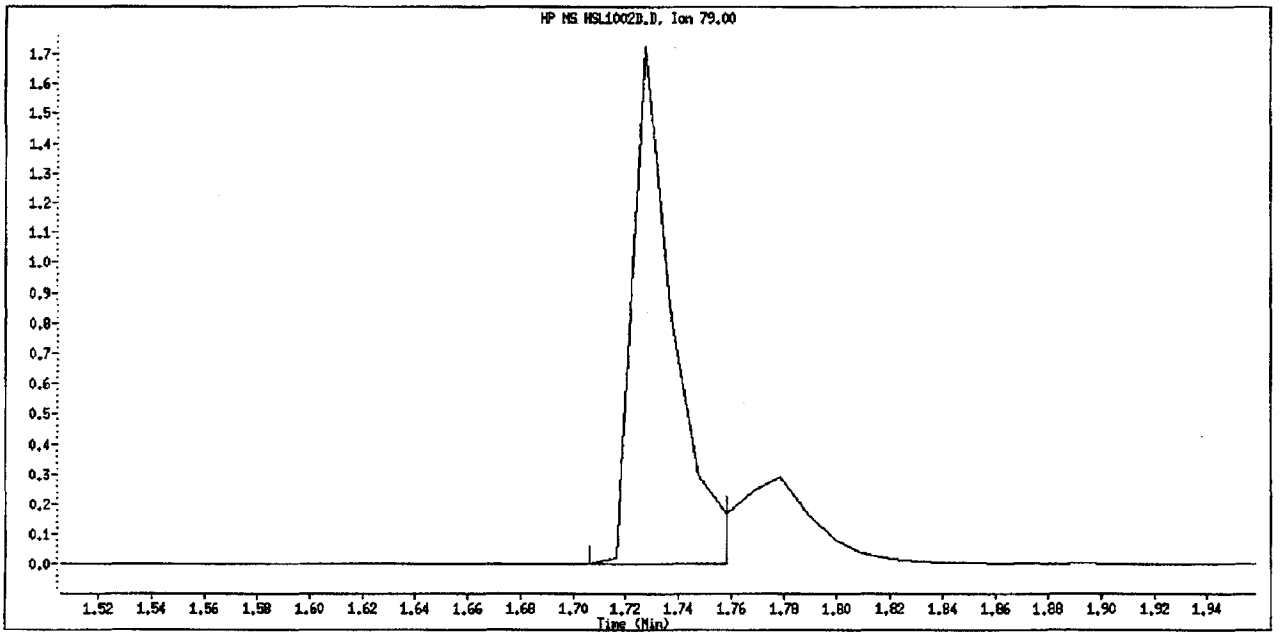
Original Integration



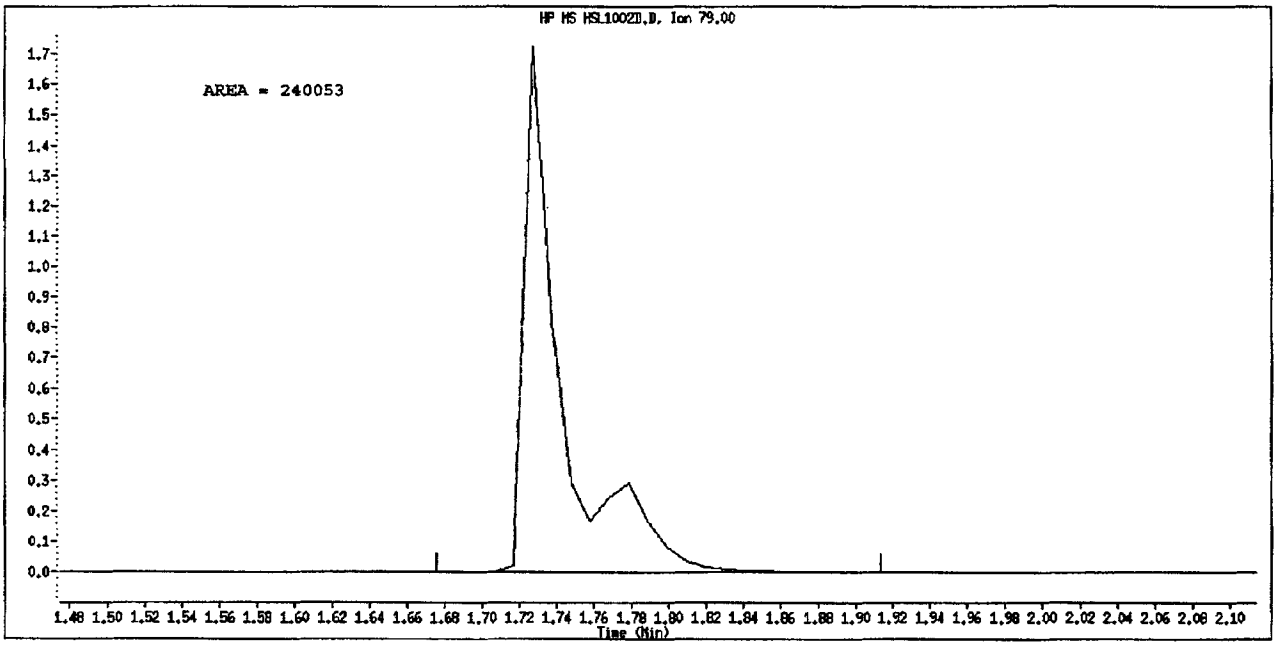
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 10/03/2010



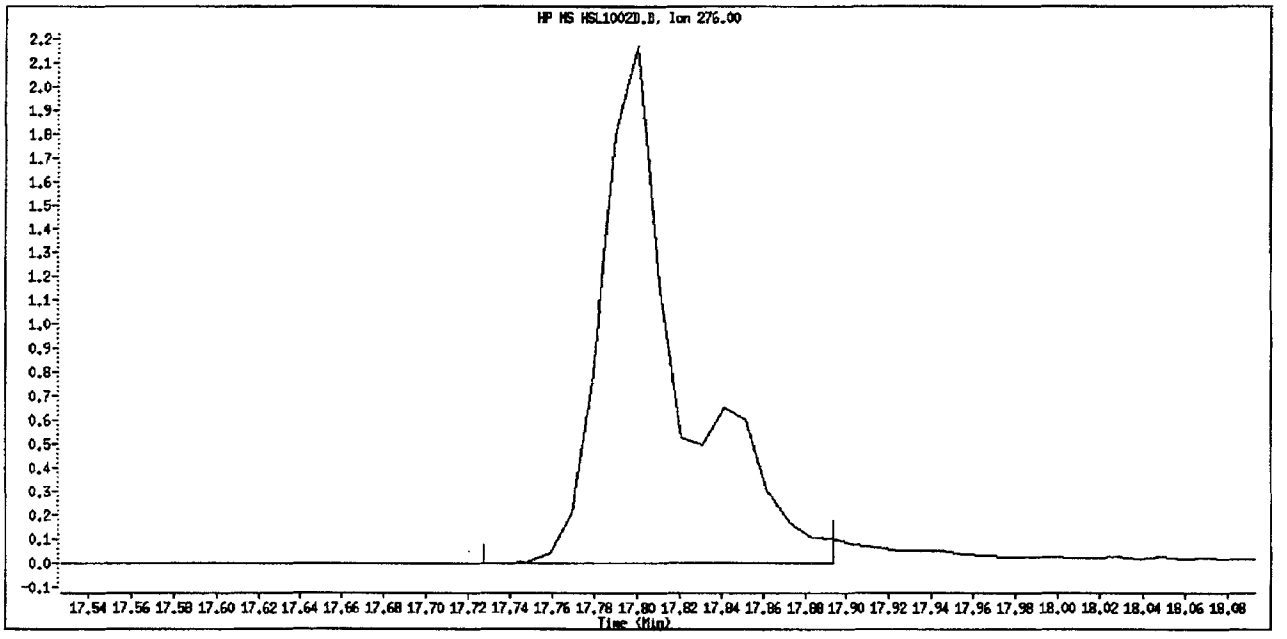
Original Integration



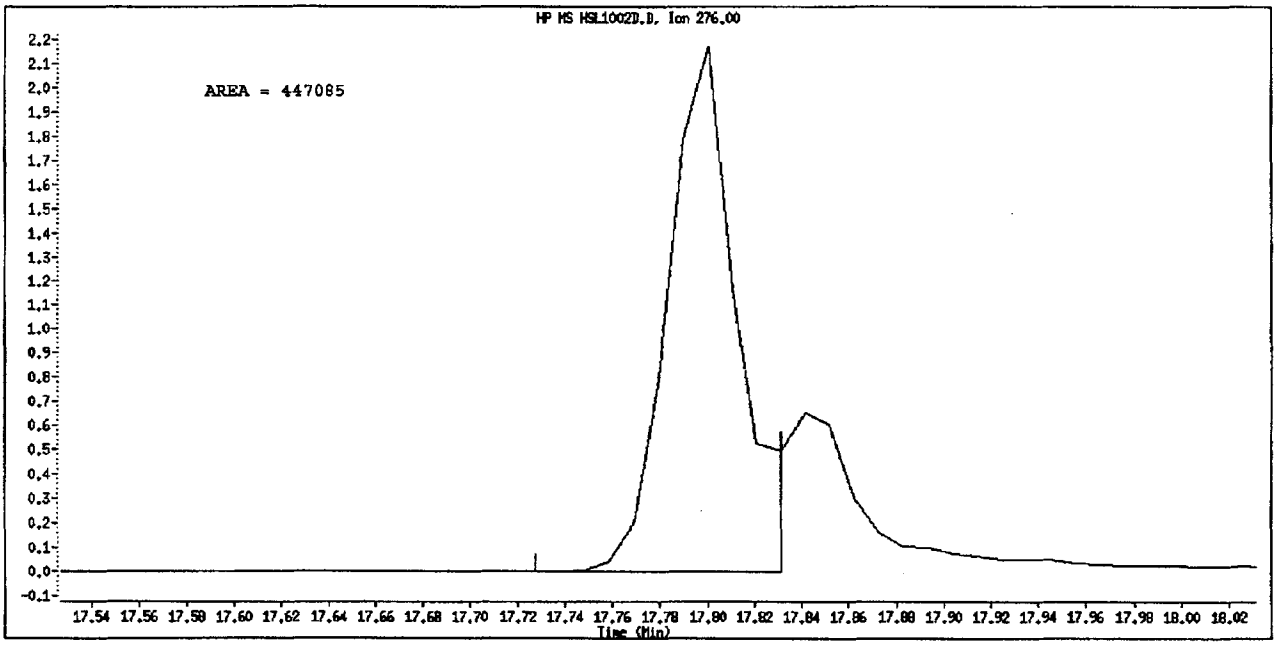
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002D.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:44
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\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4 Calibration Sample, Level: 4
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	3.955	3.955	(1.000)	122625	40.0000	
* 2 Naphthalene-d8	136	5.374	5.374	(1.000)	530514	40.0000	
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	282538	40.0000	
* 4 Phenanthrene-d10	188	9.405	9.405	(1.000)	462722	40.0000	
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	435850	40.0000	
* 6 Perylene-d12	264	16.162	16.162	(1.000)	422284	40.0000	
$ 7 2-Fluorophenol	112	2.732	2.732	(0.691)	220986	50.0000	48.83
$ 8 Phenol-d5	99	3.613	3.613	(0.914)	274382	50.0000	47.67
$ 9 2-Chlorophenol-d4	132	3.758	3.758	(0.950)	244352	50.0000	49.80
$ 10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	151616	50.0000	49.50
$ 11 Nitrobenzene-d5	82	4.576	4.576	(0.852)	226162	50.0000	48.07
$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	473978	50.0000	52.38
$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	63311	50.0000	56.75
$ 14 Terphenyl-d14	244	12.017	12.017	(0.872)	438253	50.0000	51.56
15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	105836	50.0000	35.43
16 Pyridine	79	1.726	1.726	(0.437)	182664	50.0000	36.70
23 Aniline	93	3.654	3.654	(0.924)	346504	50.0000	48.01
24 Phenol	94	3.623	3.623	(0.916)	311820	50.0000	50.94
26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	220455	50.0000	47.40
27 2-Chlorophenol	128	3.768	3.768	(0.953)	242442	50.0000	50.05
28 1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	265384	50.0000	49.58
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	271151	50.0000	50.11
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	160914	50.0000	48.35
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	257606	50.0000	50.23
32 2-Methylphenol	108	4.255	4.255	(1.076)	218610	50.0000	48.31
33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	349371	50.0000	40.48
34 4-Methylphenol	108	4.421	4.421	(1.118)	233354	50.0000	48.39
36 Hexachloroethane	117	4.504	4.504	(1.139)	94106	50.0000	49.29
37 N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	156914	50.0000	46.48
42 Nitrobenzene	77	4.597	4.597	(0.855)	219387	50.0000	46.91
44 Isophorone	82	4.856	4.856	(0.904)	420061	50.0000	47.38
45 2-Nitrophenol	139	4.960	4.960	(0.923)	132771	50.0000	52.00
46 2,4-Dimethyphenol	107	5.012	5.012	(0.933)	231517	50.0000	48.84

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	253648	50.0000	48.05
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	179296	50.0000	51.39
50	Benzoic Acid	122	5.115	5.115	(0.952)	128366	50.0000	48.58
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	197265	50.0000	52.15
52	Naphthalene	128	5.395	5.395	(1.004)	724980	50.0000	49.10
54	4-Chloroaniline	127	5.488	5.488	(1.021)	291184	50.0000	50.12
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	95592	50.0000	53.11
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	205388	50.0000	51.16
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	464646	50.0000	51.57
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	104908	50.0000	48.68
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	113001	50.0000	52.83
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	128196	50.0000	54.56
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	403257	50.0000	50.91
73	2-Nitroaniline	65	6.949	6.949	(0.931)	124335	50.0000	46.87
76	Dimethylphthalate	163	7.229	7.229	(0.968)	475258	50.0000	51.95
77	Acenaphthylene	152	7.281	7.281	(0.975)	712158	50.0000	51.43
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	110261	50.0000	53.82
80	3-Nitroaniline	138	7.447	7.447	(0.997)	141396	50.0000	52.05
81	Acenaphthene	153	7.509	7.509	(1.006)	448691	50.0000	50.85
82	2,4-Dinitrophenol	184	7.571	7.571	(1.014)	58864	50.0000	48.70
83	Dibenzofuran	168	7.706	7.706	(1.032)	598735	50.0000	51.36
84	4-Nitrophenol	109	7.675	7.675	(1.028)	56777	50.0000	47.87
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	148875	50.0000	54.24
91	Fluorene	166	8.131	8.131	(1.089)	494097	50.0000	51.73
92	Diethylphthalate	149	8.100	8.100	(1.085)	487067	50.0000	50.93
93	4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	209308	50.0000	53.15
94	4-Nitroaniline	138	8.214	8.214	(1.100)	135397	50.0000	50.99
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	76137	50.0000	46.45
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	409666	58.6000	56.82
100	Azobenzene	77	8.348	8.348	(0.888)	459960	50.0000	45.85
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	115283	50.0000	51.56
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	124963	50.0000	51.74
110	Pentachlorophenol	266	9.240	9.240	(0.982)	67882	50.0000	46.83
114	Phenanthrene	178	9.437	9.437	(1.003)	718164	50.0000	49.76
115	Anthracene	178	9.499	9.499	(1.010)	728681	50.0000	50.17
118	Carbazole	167	9.768	9.768	(1.039)	660885	50.0000	48.92
120	Di-n-Butylphthalate	149	10.463	10.463	(1.112)	799142	50.0000	48.91
126	Fluoranthene	202	11.302	11.302	(1.202)	639252	50.0000	49.21
127	Benzidine	184	11.571	11.571	(0.840)	450332	50.0000	50.32
128	Pyrene	202	11.665	11.665	(0.847)	701084	50.0000	51.44
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	385489	50.0000	50.19
136	Butylbenzylphthalate	149	12.991	12.991	(0.943)	340978	50.0000	48.97
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	569271	50.0000	49.51
139	Chrysene	228	13.831	13.831	(1.004)	597685	50.0000	50.03
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	217413	50.0000	51.67
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	464144	50.0000	48.41
142	Di-n-octylphthalate	149	15.167	15.167	(1.101)	732406	50.0000	47.78
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	527487	50.0000	52.68
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	580084	50.0000	49.57
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	506622	50.0000	51.04
148	Benzo(a)pyrene	252	16.079	16.079	(0.995)	542578	50.0000	49.78
151	Indeno(1,2,3-cd)pyrene	276	17.800	17.800	(1.101)	564014	50.0000	58.49
152	Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	486893	50.0000	49.27
153	Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	527720	50.0000	49.81

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				1107571	50.0000	51.00 (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: HSL1002D.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\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	122625	0.00
2 Naphthalene-d8	530514	265257	1061028	530514	0.00
3 Acenaphthene-d10	282538	141269	565076	282538	0.00
4 Phenanthrene-d10	462722	231361	925444	462722	0.00
5 Chrysene-d12	435850	217925	871700	435850	0.00
6 Perylene-d12	422284	211142	844568	422284	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

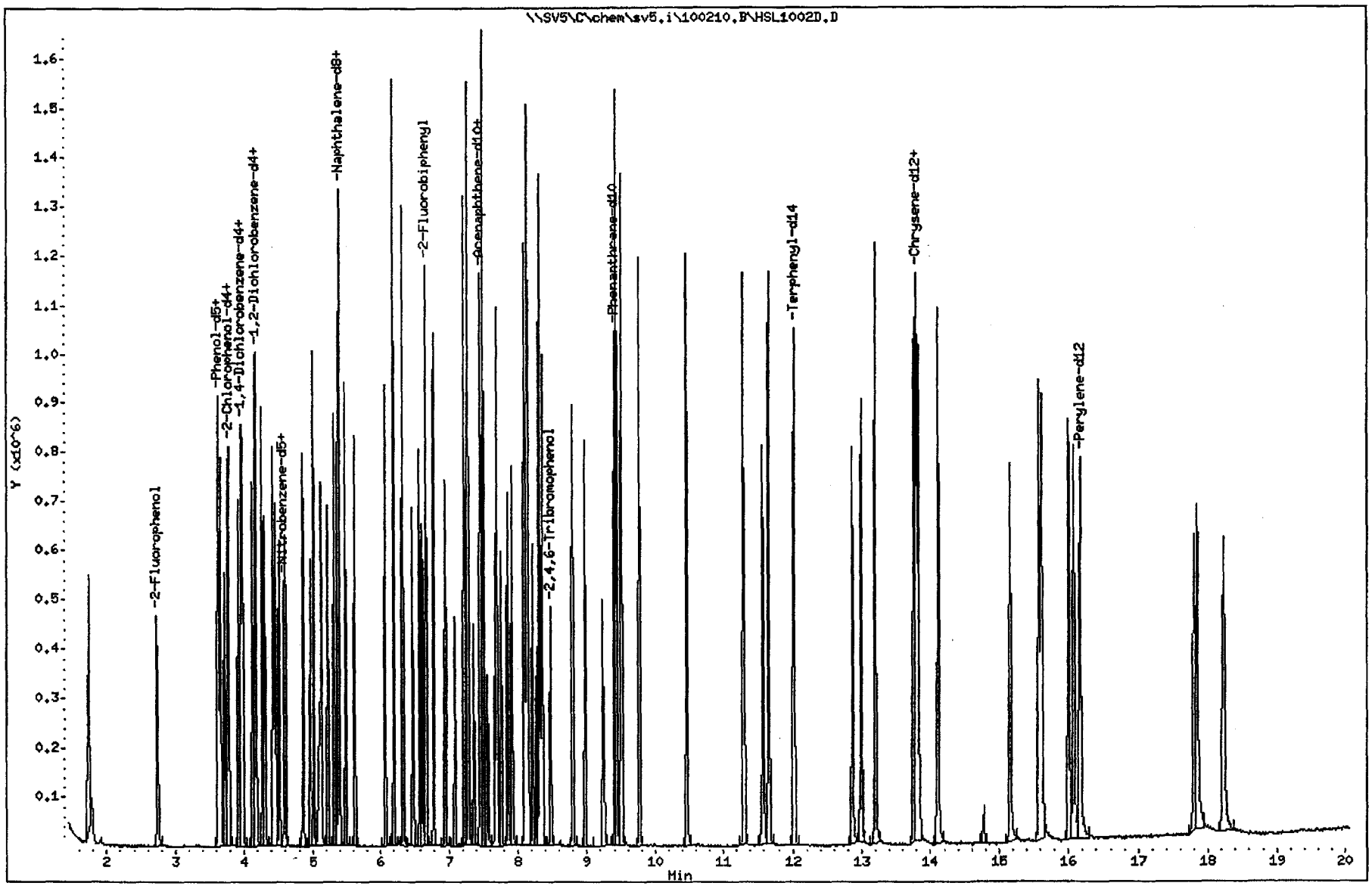
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\100210.B\HSL1002D.D
Date : 02-OCT-2010 13:44
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 West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002E.D
Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:09
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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	126989	40.0000	(q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	553454	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	300315	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	477777	40.0000	
* 5	Chrysene-d12	240	13.789	13.779	(1.000)	486126	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	482782	40.0000	
$ 7	2-Fluorophenol	112	2.742	2.732	(0.693)	364547	80.0000	81.44
$ 8	Phenol-d5	99	3.612	3.613	(0.914)	459352	80.0000	81.61
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	399981	80.0000	80.92
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	252754	80.0000	80.82
$ 11	Nitrobenzene-d5	82	4.587	4.576	(0.853)	371989	80.0000	79.35
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	755916	80.0000	78.14
$ 13	2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	107063	80.0000	82.04
$ 14	Terphenyl-d14	244	12.017	12.017	(0.871)	758812	80.0000	79.25
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	236570	80.0000	80.86(q)
16	Pyridine	79	1.726	1.726	(0.437)	386806	80.0000	79.06(Q)
23	Aniline	93	3.654	3.654	(0.924)	583513	80.0000	81.44(Q)
24	Phenol	94	3.623	3.623	(0.916)	524930	80.0000	81.16(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	362044	80.0000	79.83
27	2-Chlorophenol	128	3.768	3.768	(0.953)	398210	80.0000	80.21
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	428311	80.0000	79.20
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	452588	80.0000	80.04
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	273768	80.0000	82.05
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	415025	80.0000	79.84
32	2-Methylphenol	108	4.255	4.255	(1.076)	369704	80.0000	81.43
33	2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	576575	80.0000	79.88
34	4-Methylphenol	108	4.421	4.421	(1.118)	387704	80.0000	80.39
36	Hexachloroethane	117	4.504	4.504	(1.139)	153472	80.0000	79.72
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	265916	80.0000	82.78
42	Nitrobenzene	77	4.597	4.597	(0.855)	369479	80.0000	80.64
44	Isophorone	82	4.856	4.856	(0.904)	704520	80.0000	79.96
45	2-Nitrophenol	139	4.960	4.960	(0.923)	221628	80.0000	81.52
46	2,4-Dimethyphenol	107	5.011	5.012	(0.933)	385073	80.0000	79.72

10-3-10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.954)	426158	80.0000	79.16
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	301897	80.0000	80.78
50	Benzoic Acid	122	5.125	5.115	(0.954)	232711	80.0000	87.04
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	323096	80.0000	79.84
52	Naphthalene	128	5.395	5.395	(1.004)	1216155	80.0000	79.58
54	4-Chloroaniline	127	5.488	5.488	(1.021)	484619	80.0000	80.91
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	159233	80.0000	80.41
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	335335	80.0000	80.35
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	781029	80.0000	81.36
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	181608	80.0000	81.05
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	194036	80.0000	80.98
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	211635	80.0000	81.99
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	668023	80.0000	79.04
73	2-Nitroaniline	65	6.949	6.949	(0.931)	209144	80.0000	81.65
76	Dimethylphthalate	163	7.229	7.229	(0.968)	787815	80.0000	80.96
77	Acenaphthylene	152	7.281	7.281	(0.975)	1190475	80.0000	80.88
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	187961	80.0000	82.91
80	3-Nitroaniline	138	7.457	7.447	(0.999)	232287	80.0000	82.09
81	Acenaphthene	153	7.509	7.509	(1.006)	727612	80.0000	77.66
82	2,4-Dinitrophenol	184	7.571	7.572	(1.014)	110384	80.0000	78.64
83	Dibenzofuran	168	7.706	7.706	(1.032)	991740	80.0000	79.76 (q)
84	4-Nitrophenol	109	7.675	7.675	(1.028)	102888	80.0000	87.65 (Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	246471	80.0000	82.83
91	Fluorene	166	8.131	8.131	(1.089)	834271	80.0000	81.03
92	Diethylphthalate	149	8.100	8.100	(1.085)	792071	80.0000	79.50
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	340608	80.0000	79.56
94	4-Nitroaniline	138	8.224	8.214	(1.101)	235541	80.0000	83.97
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	134784	80.0000	76.76
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	695826	93.7000	96.08
100	Azobenzene	77	8.348	8.348	(0.888)	765053	80.0000	81.43
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	187352	80.0000	80.33
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	207655	80.0000	79.72
110	Pentachlorophenol	266	9.240	9.240	(0.982)	126397	80.0000	78.86
114	Phenanthrene	178	9.437	9.437	(1.003)	1188468	80.0000	78.92
115	Anthracene	178	9.509	9.499	(1.011)	1218608	80.0000	81.00
118	Carbazole	167	9.768	9.768	(1.039)	1118637	80.0000	81.39
120	Di-n-Butylphthalate	149	10.462	10.463	(1.112)	1351860	80.0000	81.75
126	Fluoranthene	202	11.302	11.302	(1.202)	1107116	80.0000	82.05
127	Benzidine	184	11.571	11.571	(0.839)	799205	80.0000	81.12
128	Pyrene	202	11.665	11.665	(0.846)	1221015	80.0000	80.36
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.933)	715866	80.0000	82.31
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	598812	80.0000	78.63
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1034950	80.0000	79.92
139	Chrysene	228	13.830	13.831	(1.003)	1040163	80.0000	78.52
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	392335	80.0000	80.33
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	820296	80.0000	78.20
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	1354893	80.0000	80.80
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	920884	80.0000	84.26 (Q)
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	1102899	80.0000	78.61 (q)
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	936566	80.0000	82.18
148	Benzo(a)pyrene	252	16.079	16.079	(0.995)	1039045	80.0000	83.86
151	Indeno(1,2,3-cd)pyrene	276	17.799	17.800	(1.101)	811625	80.0000	80.99
152	Dibenzo(a,h)anthracene	278	17.851	17.841	(1.105)	926841	80.0000	82.79
153	Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	982275	80.0000	81.04

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				2023783	80.0000	81.09(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002E.D
Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:09
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\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 5 Calibration Sample, Level: 5
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	3.954	3.955	(1.000)	126989	40.0000		(q)
*	2 Naphthalene-d8	136	5.374	5.374	(1.000)	553454	40.0000		
*	3 Acenaphthene-d10	164	7.468	7.468	(1.000)	300315	40.0000		
*	4 Phenanthrene-d10	188	9.405	9.405	(1.000)	477777	40.0000		
*	5 Chrysene-d12	240	13.789	13.779	(1.000)	486126	40.0000		
*	6 Perylene-d12	264	16.162	16.162	(1.000)	482782	40.0000		
$	7 2-Fluorophenol	112	2.742	2.732	(0.693)	364547	80.0000	77.78	
$	8 Phenol-d5	99	3.612	3.613	(0.914)	459352	80.0000	77.07	
$	9 2-Chlorophenol-d4	132	3.758	3.758	(0.950)	399981	80.0000	78.71	
$	10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	252754	80.0000	79.68	
$	11 Nitrobenzene-d5	82	4.587	4.576	(0.853)	371989	80.0000	75.79	
$	12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	755916	80.0000	78.58	
$	13 2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	107063	80.0000	90.29	
$	14 Terphenyl-d14	244	12.017	12.017	(0.871)	758812	80.0000	80.04	
	15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	236570	80.0000	76.48	
	16 Pyridine	79	1.726	1.726	(0.437)	386806	80.0000	75.04	
	23 Aniline	93	3.654	3.654	(0.924)	583513	80.0000	78.07	(Q)
	24 Phenol	94	3.623	3.623	(0.916)	524930	80.0000	82.81	(Q)
	26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	362044	80.0000	75.18	
	27 2-Chlorophenol	128	3.768	3.768	(0.953)	398210	80.0000	79.39	
	28 1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	428311	80.0000	77.27	
	29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	452588	80.0000	80.76	
	30 Benzyl Alcohol	108	4.120	4.120	(1.042)	273768	80.0000	79.43	
	31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	415025	80.0000	78.14	
	32 2-Methylphenol	108	4.255	4.255	(1.076)	369704	80.0000	78.90	
	33 2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	576575	80.0000	64.50	
	34 4-Methylphenol	108	4.421	4.421	(1.118)	387704	80.0000	77.63	
	36 Hexachloroethane	117	4.504	4.504	(1.139)	153472	80.0000	77.62	
	37 N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	265916	80.0000	76.06	
	42 Nitrobenzene	77	4.597	4.597	(0.855)	369479	80.0000	75.74	
	44 Isophorone	82	4.856	4.856	(0.904)	704520	80.0000	76.17	
	45 2-Nitrophenol	139	4.960	4.960	(0.923)	221628	80.0000	83.21	
	46 2,4-Dimethyphenol	107	5.011	5.012	(0.933)	385073	80.0000	77.86	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.954)	426158	80.0000	77.39
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	301897	80.0000	82.94
50	Benzoic Acid	122	5.125	5.115	(0.954)	232711	80.0000	84.41
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	323096	80.0000	81.88
52	Naphthalene	128	5.395	5.395	(1.004)	1216155	80.0000	78.94
54	4-Chloroaniline	127	5.488	5.488	(1.021)	484619	80.0000	79.97
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	159233	80.0000	84.81
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	335335	80.0000	80.06
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	781029	80.0000	83.09
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	181608	80.0000	79.29
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	194036	80.0000	85.34
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	211635	80.0000	84.74
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	668023	80.0000	79.34
73	2-Nitroaniline	65	6.949	6.949	(0.931)	209144	80.0000	74.17
76	Dimethylphthalate	163	7.229	7.229	(0.968)	787815	80.0000	81.01
77	Acenaphthylene	152	7.281	7.281	(0.975)	1190475	80.0000	80.88
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	187961	80.0000	86.31
80	3-Nitroaniline	138	7.457	7.447	(0.999)	232287	80.0000	80.44
81	Acenaphthene	153	7.509	7.509	(1.006)	727612	80.0000	77.58
82	2,4-Dinitrophenol	184	7.571	7.571	(1.014)	110384	80.0000	81.10
83	Dibenzofuran	168	7.706	7.706	(1.032)	991740	80.0000	80.04(q)
84	4-Nitrophenol	109	7.675	7.675	(1.028)	102888	80.0000	81.61(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	246471	80.0000	84.49
91	Fluorene	166	8.131	8.131	(1.089)	834271	80.0000	82.18
92	Diethylphthalate	149	8.100	8.100	(1.085)	792071	80.0000	77.92
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	340608	80.0000	81.38
94	4-Nitroaniline	138	8.224	8.214	(1.101)	235541	80.0000	83.45
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	134784	80.0000	75.96
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	695826	93.7000	93.46
100	Azobenzene	77	8.348	8.348	(0.888)	765053	80.0000	73.86
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	187352	80.0000	81.15
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	207655	80.0000	83.28
110	Pentachlorophenol	266	9.240	9.240	(0.982)	126397	80.0000	84.45
114	Phenanthrene	178	9.437	9.437	(1.003)	1188468	80.0000	79.75
115	Anthracene	178	9.509	9.499	(1.011)	1218608	80.0000	81.25
118	Carbazole	167	9.768	9.768	(1.039)	1118637	80.0000	80.19
120	Di-n-Butylphthalate	149	10.462	10.463	(1.112)	1351860	80.0000	80.14
126	Fluoranthene	202	11.302	11.302	(1.202)	1107116	80.0000	82.54
127	Benzidine	184	11.571	11.571	(0.839)	799205	80.0000	80.06
128	Pyrene	202	11.665	11.665	(0.846)	1221015	80.0000	80.33
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.933)	715866	80.0000	83.56
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	598812	80.0000	77.10
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1034950	80.0000	80.70
139	Chrysene	228	13.830	13.831	(1.003)	1040163	80.0000	78.06
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	392335	80.0000	83.60
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	820296	80.0000	76.71
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	1354893	80.0000	79.24
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	920884	80.0000	80.44(Q)
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	1102899	80.0000	82.44(q)
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	936566	80.0000	82.53
148	Benzo(a)pyrene	252	16.079	16.079	(0.995)	1039045	80.0000	83.39
151	Indeno(1,2,3-cd)pyrene	276	17.799	17.800	(1.101)	811625	80.0000	73.62
152	Dibenzo(a,h)anthracene	278	17.851	17.841	(1.105)	926841	80.0000	82.04
153	Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	982275	80.0000	81.10

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				2023783	80.0000	81.52(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
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: HSL1002E.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\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	126989	3.56
2 Naphthalene-d8	530514	265257	1061028	553454	4.32
3 Acenaphthene-d10	282538	141269	565076	300315	6.29
4 Phenanthrene-d10	462722	231361	925444	477777	3.25
5 Chrysene-d12	435850	217925	871700	486126	11.54
6 Perylene-d12	422284	211142	844568	482782	14.33

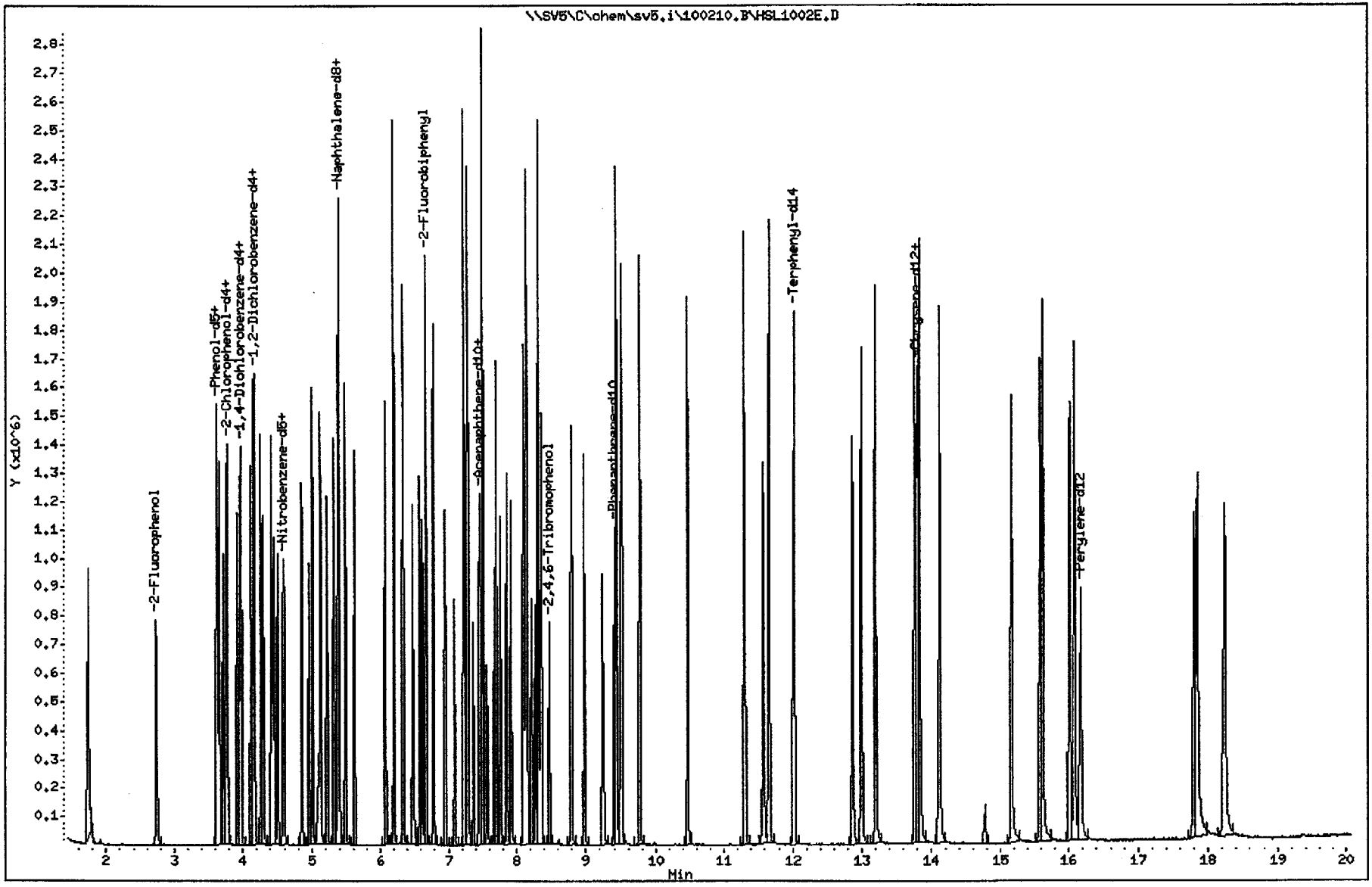
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	-0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	-0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.07
6 Perylene-d12	16.16	15.66	16.66	16.16	-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\100210.B\HSL1002E.D
Date : 02-OCT-2010 14:09
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 West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:35
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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	137751	40.0000		(Q)
*	2 Naphthalene-d8	136	5.374	5.374	(1.000)	591665	40.0000		
*	3 Acenaphthene-d10	164	7.468	7.468	(1.000)	322596	40.0000		
*	4 Phenanthrene-d10	188	9.406	9.405	(1.000)	515607	40.0000		
*	5 Chrysene-d12	240	13.789	13.779	(1.000)	509570	40.0000		
*	6 Perylene-d12	264	16.173	16.162	(1.000)	539588	40.0000		
$	7 2-Fluorophenol	112	2.732	2.732	(0.691)	588028	120.000	121.1	
$	8 Phenol-d5	99	3.613	3.613	(0.914)	759824	120.000	124.4	
$	9 2-Chlorophenol-d4	132	3.758	3.758	(0.950)	652805	120.000	121.7	
$	10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	407247	120.000	120.0	
$	11 Nitrobenzene-d5	82	4.587	4.576	(0.853)	623501	120.000	124.4	
$	12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	1255441	120.000	120.8	
$	13 2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	179055	120.000	127.7	
$	14 Terphenyl-d14	244	12.017	12.017	(0.871)	1251844	120.000	124.7	
	15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	388111	120.000	122.3	(q)
	16 Pyridine	79	1.727	1.726	(0.437)	633334	120.000	119.3	(Q)
	23 Aniline	93	3.654	3.654	(0.924)	964533	120.000	124.1	(Q)
	24 Phenol	94	3.623	3.623	(0.916)	851671	120.000	121.4	(Q)
	26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	596323	120.000	121.2	
	27 2-Chlorophenol	128	3.768	3.768	(0.953)	653244	120.000	121.3	
	28 1,3-Dichlorobenzene	146	3.924	3.923	(0.992)	712032	120.000	121.4	
	29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	740915	120.000	120.8	
	30 Benzyl Alcohol	108	4.120	4.120	(1.042)	450249	120.000	124.4	
	31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	679448	120.000	120.5	
	32 2-Methylphenol	108	4.255	4.255	(1.076)	603987	120.000	122.6	
	33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	941514	120.000	120.2	
	34 4-Methylphenol	108	4.421	4.421	(1.118)	644202	120.000	123.1	
	36 Hexachloroethane	117	4.504	4.504	(1.139)	245394	120.000	117.5	
	37 N-Nitrosodinpropylamine	70	4.452	4.442	(1.126)	428242	120.000	122.9	
	42 Nitrobenzene	77	4.607	4.597	(0.857)	593736	120.000	121.2	
	44 Isophorone	82	4.867	4.856	(0.906)	1179801	120.000	125.2	
	45 2-Nitrophenol	139	4.960	4.960	(0.923)	367467	120.000	126.4	
	46 2,4-Dimethyphenol	107	5.012	5.012	(0.933)	638328	120.000	123.6	

10-3-10

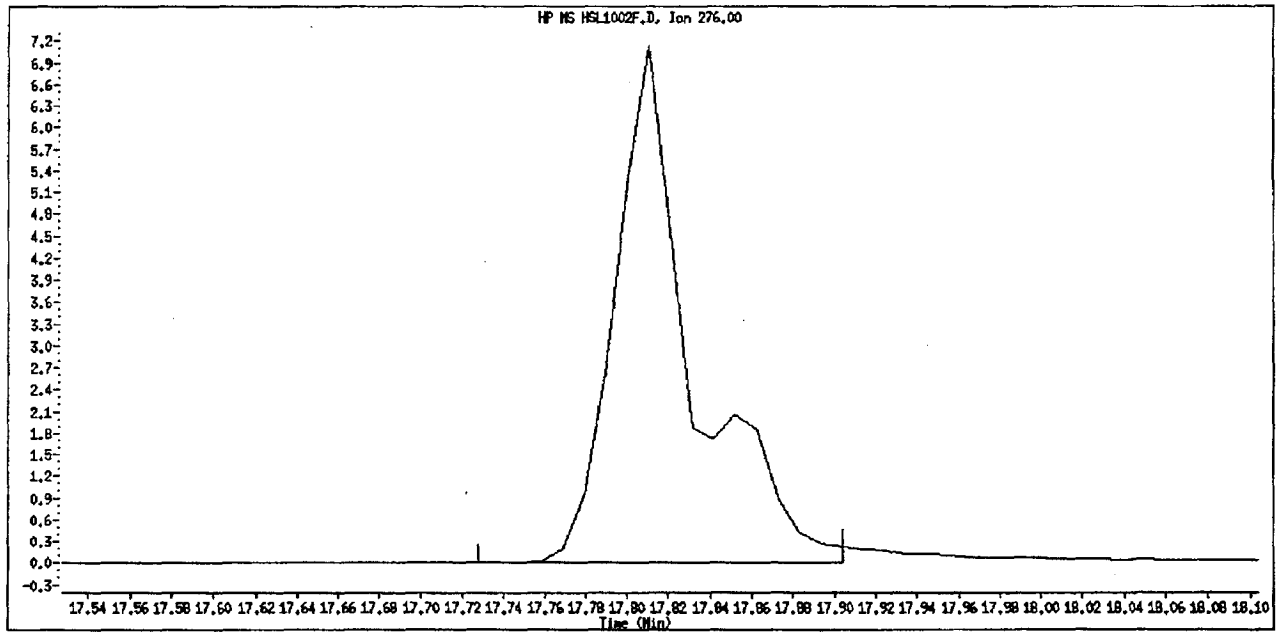
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	707504	120.000	122.9
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	500185	120.000	125.2
50	Benzoic Acid	122	5.146	5.115	(0.958)	395333	120.000	138.3
51	1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	531764	120.000	122.9
52	Naphthalene	128	5.395	5.395	(1.004)	2020315	120.000	123.7
54	4-Chloroaniline	127	5.488	5.488	(1.021)	797064	120.000	124.5
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	255231	120.000	120.6
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	563840	120.000	126.4
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	1263302	120.000	123.1
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	312226	120.000	129.7
69	2,4,6-Trichlorophenol	196	6.587	6.576	(0.882)	331223	120.000	128.7
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	343374	120.000	123.8
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	1107604	120.000	122.0
73	2-Nitroaniline	65	6.950	6.949	(0.931)	346408	120.000	125.9
76	Dimethylphthalate	163	7.229	7.229	(0.968)	1286101	120.000	123.0
77	Acenaphthylene	152	7.281	7.281	(0.975)	1933504	120.000	122.3
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	311050	120.000	127.7
80	3-Nitroaniline	138	7.457	7.447	(0.999)	382849	120.000	125.9
81	Acenaphthene	153	7.509	7.509	(1.006)	1207616	120.000	120.0
82	2,4-Dinitrophenol	184	7.582	7.572	(1.015)	199007	120.000	124.7
83	Dibenzofuran	168	7.706	7.706	(1.032)	1630240	120.000	122.0(q)
84	4-Nitrophenol	109	7.675	7.675	(1.028)	161169	120.000	127.8(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	409418	120.000	128.1
91	Fluorene	166	8.131	8.131	(1.089)	1333949	120.000	120.6
92	Diethylphthalate	149	8.110	8.100	(1.086)	1329206	120.000	124.2
93	4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	558370	120.000	121.4
94	4-Nitroaniline	138	8.224	8.214	(1.101)	378421	120.000	125.6
97	4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	236477	120.000	122.1
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	1123239	141.000	143.7
100	Azobenzene	77	8.359	8.348	(0.889)	1266722	120.000	124.9
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	318358	120.000	126.5
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	335728	120.000	119.4
110	Pentachlorophenol	266	9.240	9.240	(0.982)	215360	120.000	122.2
114	Phenanthrene	178	9.437	9.437	(1.003)	1942962	120.000	119.6
115	Anthracene	178	9.509	9.499	(1.011)	2014183	120.000	124.0
118	Carbazole	167	9.768	9.768	(1.039)	1828217	120.000	123.3
120	Di-n-Butylphthalate	149	10.463	10.463	(1.112)	2225048	120.000	124.7
126	Fluoranthene	202	11.302	11.302	(1.202)	1829791	120.000	125.6
127	Benzidine	184	11.582	11.571	(0.840)	1320429	120.000	127.8
128	Pyrene	202	11.665	11.665	(0.846)	1963825	120.000	123.3
134	3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1214012	120.000	133.2
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	997218	120.000	124.9
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1694281	120.000	124.8
139	Chrysene	228	13.831	13.831	(1.003)	1715841	120.000	123.6
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	653016	120.000	127.5
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1368794	120.000	124.5
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	2256614	120.000	128.4
144	Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	1475217	120.000	120.8(Q)
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.966)	1935987	120.000	123.5(q)
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	1569049	120.000	123.2
148	Benzo(a)pyrene	252	16.079	16.079	(0.994)	1720343	120.000	124.2
151	Indeno(1,2,3-cd)pyrene	276	17.810	17.800	(1.101)	1517263	120.000	135.5(M)
152	Dibenzo(a,h)anthracene	278	17.851	17.841	(1.104)	1634040	120.000	130.6
153	Benzo(g,h,i)perylene	276	18.245	18.235	(1.128)	1706123	120.000	125.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3411204	120.000	122.3(A)

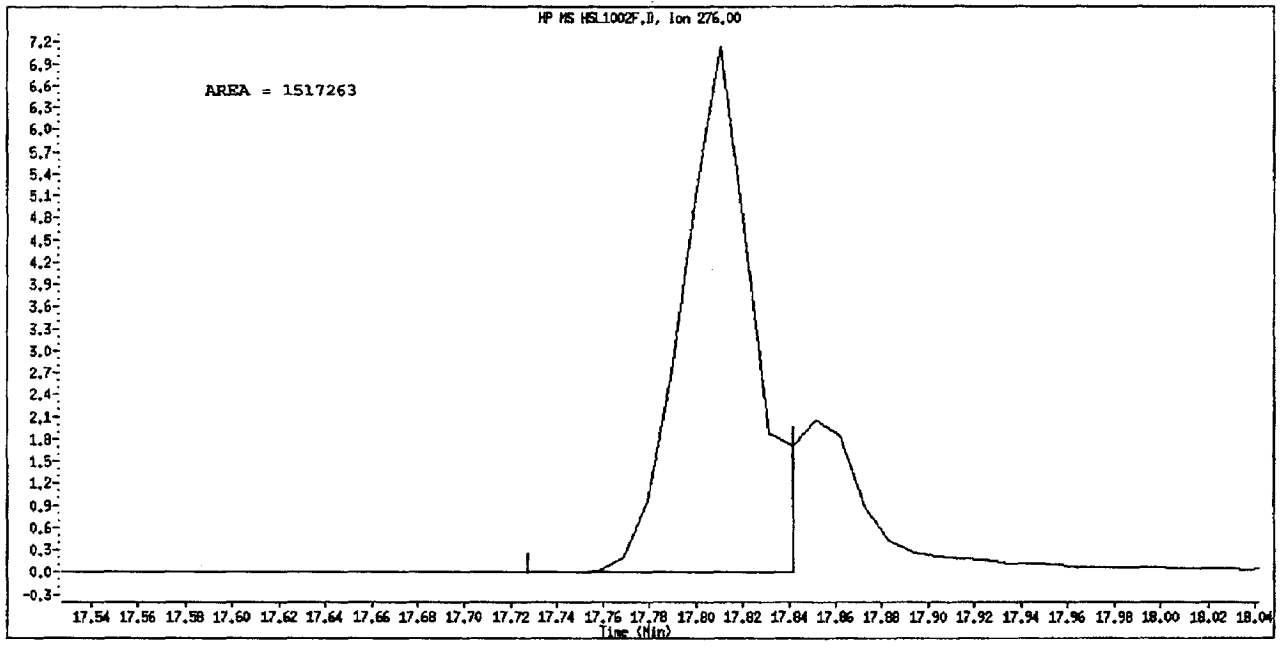
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002F.D
Inj. Date and Time: 02-OCT-2010 14:35
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:35
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\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 6 Calibration Sample, Level: 6
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	3.955	3.955	(1.000)	137751	40.0000	(Q)
* 2 Naphthalene-d8	136	5.374	5.374	(1.000)	591665	40.0000	
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	322596	40.0000	
* 4 Phenanthrene-d10	188	9.406	9.405	(1.000)	515607	40.0000	
* 5 Chrysene-d12	240	13.789	13.779	(1.000)	509570	40.0000	
* 6 Perylene-d12	264	16.173	16.162	(1.000)	539588	40.0000	
$ 7 2-Fluorophenol	112	2.732	2.732	(0.691)	588028	120.000	115.7
$ 8 Phenol-d5	99	3.613	3.613	(0.914)	759824	120.000	117.5
$ 9 2-Chlorophenol-d4	132	3.758	3.758	(0.950)	652805	120.000	118.4
$ 10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	407247	120.000	118.4
$ 11 Nitrobenzene-d5	82	4.587	4.576	(0.853)	623501	120.000	118.8
$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	1255441	120.000	121.5
$ 13 2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	179055	120.000	140.6
$ 14 Terphenyl-d14	244	12.017	12.017	(0.871)	1251844	120.000	126.0
15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	388111	120.000	115.7
16 Pyridine	79	1.727	1.726	(0.437)	633334	120.000	113.3
23 Aniline	93	3.654	3.654	(0.924)	964533	120.000	119.0(Q)
24 Phenol	94	3.623	3.623	(0.916)	851671	120.000	123.8(Q)
26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	596323	120.000	114.2
27 2-Chlorophenol	128	3.768	3.768	(0.953)	653244	120.000	120.0
28 1,3-Dichlorobenzene	146	3.924	3.923	(0.992)	712032	120.000	118.4
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	740915	120.000	121.9
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	450249	120.000	120.4
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	679448	120.000	117.9
32 2-Methylphenol	108	4.255	4.255	(1.076)	603987	120.000	118.8
33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	941514	120.000	97.10
34 4-Methylphenol	108	4.421	4.421	(1.118)	644202	120.000	118.9
36 Hexachloroethane	117	4.504	4.504	(1.139)	245394	120.000	114.4
37 N-Nitrosodinpropylamine	70	4.452	4.442	(1.126)	428242	120.000	112.9
42 Nitrobenzene	77	4.607	4.597	(0.857)	593736	120.000	113.8
44 Isophorone	82	4.867	4.856	(0.906)	1179801	120.000	119.3
45 2-Nitrophenol	139	4.960	4.960	(0.923)	367467	120.000	129.0
46 2,4-Dimethyphenol	107	5.012	5.012	(0.933)	638328	120.000	120.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	707504	120.000	120.2
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	500185	120.000	128.5
50 Benzoic Acid	122	5.146	5.115	(0.958)	395333	120.000	134.1
51 1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	531764	120.000	126.0
52 Naphthalene	128	5.395	5.395	(1.004)	2020315	120.000	122.7
54 4-Chloroaniline	127	5.488	5.488	(1.021)	797064	120.000	123.0
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	255231	120.000	127.2
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	563840	120.000	125.9
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	1263302	120.000	125.7
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	312226	120.000	126.9
69 2,4,6-Trichlorophenol	196	6.587	6.576	(0.882)	331223	120.000	135.6
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	343374	120.000	128.0
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	1107604	120.000	122.5
73 2-Nitroaniline	65	6.950	6.949	(0.931)	346408	120.000	114.4
76 Dimethylphthalate	163	7.229	7.229	(0.968)	1286101	120.000	123.1
77 Acenaphthylene	152	7.281	7.281	(0.975)	1933504	120.000	122.3
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	311050	120.000	133.0
80 3-Nitroaniline	138	7.457	7.447	(0.999)	382849	120.000	123.4
81 Acenaphthene	153	7.509	7.509	(1.006)	1207616	120.000	119.9
82 2,4-Dinitrophenol	184	7.582	7.571	(1.015)	199007	120.000	127.2
83 Dibenzofuran	168	7.706	7.706	(1.032)	1630240	120.000	122.5(q)
84 4-Nitrophenol	109	7.675	7.675	(1.028)	161169	120.000	119.0(Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	409418	120.000	130.6
91 Fluorene	166	8.131	8.131	(1.089)	1333949	120.000	122.3
92 Diethylphthalate	149	8.110	8.100	(1.086)	1329206	120.000	121.7
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	558370	120.000	124.2
94 4-Nitroaniline	138	8.224	8.214	(1.101)	378421	120.000	124.8
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	236477	120.000	120.3
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	1123239	141.000	139.8
100 Azobenzene	77	8.359	8.348	(0.889)	1266722	120.000	113.3
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	318358	120.000	127.8
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	335728	120.000	124.8
110 Pentachlorophenol	266	9.240	9.240	(0.982)	215360	120.000	133.3
114 Phenanthrene	178	9.437	9.437	(1.003)	1942962	120.000	120.8
115 Anthracene	178	9.509	9.499	(1.011)	2014183	120.000	124.4
118 Carbazole	167	9.768	9.768	(1.039)	1828217	120.000	121.4
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	2225048	120.000	122.2
126 Fluoranthene	202	11.302	11.302	(1.202)	1829791	120.000	126.4
127 Benzidine	184	11.582	11.571	(0.840)	1320429	120.000	126.2
128 Pyrene	202	11.665	11.665	(0.846)	1963825	120.000	123.2
134 3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1214012	120.000	135.2
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	997218	120.000	122.5
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1694281	120.000	126.0
139 Chrysene	228	13.831	13.831	(1.003)	1715841	120.000	122.8
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	653016	120.000	132.7
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1368794	120.000	122.1
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	2256614	120.000	125.9
144 Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	1475217	120.000	115.3(Q)
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.966)	1935987	120.000	129.5(q)
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	1569049	120.000	123.7
148 Benzo(a)pyrene	252	16.079	16.079	(0.994)	1720343	120.000	123.5
151 Indeno(1,2,3-cd)pyrene	276	17.810	17.800	(1.101)	1867193	120.000	151.5
152 Dibenzo(a,h)anthracene	278	17.851	17.841	(1.104)	1634040	120.000	129.4
153 Benzo(g,h,i)perylene	276	18.245	18.235	(1.128)	1706123	120.000	126.0

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				3411204	120.000	122.9(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
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: HSL1002F.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\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	137751	12.34
2 Naphthalene-d8	530514	265257	1061028	591665	11.53
3 Acenaphthene-d10	282538	141269	565076	322596	14.18
4 Phenanthrene-d10	462722	231361	925444	515607	11.43
5 Chrysene-d12	435850	217925	871700	509570	16.91
6 Perylene-d12	422284	211142	844568	539588	27.78

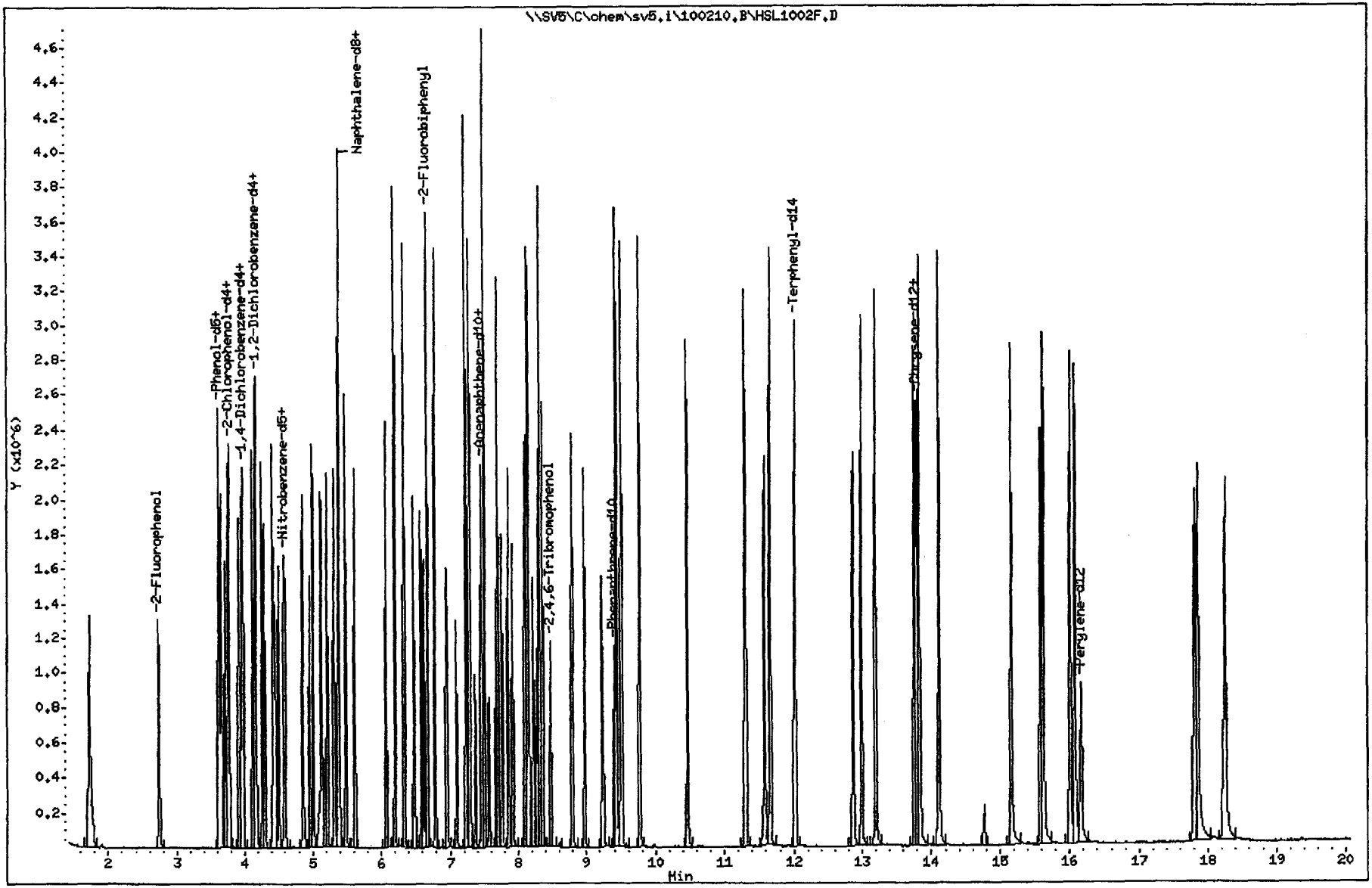
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.08
6 Perylene-d12	16.16	15.66	16.66	16.17	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\100210.B\HSL1002F.D
Date : 02-OCT-2010 14:35
Client ID: 8270F.M
Sample Info: HSL_120 ug/ml CS-6;1;;6;;;;;4

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

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 15:00
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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	141009	40.0000		(Q)
* 2 Naphthalene-d8	136	5.374	5.374	(1.000)	622461	40.0000		
* 3 Acenaphthene-d10	164	7.478	7.468	(1.000)	328259	40.0000		
* 4 Phenanthrene-d10	188	9.405	9.405	(1.000)	532284	40.0000		
* 5 Chrysene-d12	240	13.789	13.779	(1.000)	539557	40.0000		
* 6 Perylene-d12	264	16.172	16.162	(1.000)	560436	40.0000		
$ 7 2-Fluorophenol	112	2.732	2.732	(0.691)	810154	160.000	163.0	(A)
$ 8 Phenol-d5	99	3.623	3.613	(0.916)	1035724	160.000	165.7	(A)
$ 9 2-Chlorophenol-d4	132	3.757	3.758	(0.950)	890073	160.000	162.2	(A)
$ 10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	557810	160.000	160.6	(A)
$ 11 Nitrobenzene-d5	82	4.587	4.576	(0.853)	845796	160.000	160.4	(A)
$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.893)	1707074	160.000	161.4	(A)
$ 13 2,4,6-Tribromophenol	330	8.483	8.473	(1.134)	241468	160.000	169.3	(A)
$ 14 Terphenyl-d14	244	12.017	12.017	(0.871)	1728892	160.000	162.7	(A)
15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	529253	160.000	162.9	(Aq)
16 Pyridine	79	1.726	1.726	(0.437)	860850	160.000	158.4	(Q)
23 Aniline	93	3.654	3.654	(0.924)	1318620	160.000	165.8	(AQ)
24 Phenol	94	3.633	3.623	(0.919)	1166090	160.000	162.4	(AQ)
26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	813702	160.000	161.6	(A)
27 2-Chlorophenol	128	3.768	3.768	(0.953)	885754	160.000	160.7	(A)
28 1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	972719	160.000	162.0	(A)
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	1023408	160.000	163.0	(A)
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	617653	160.000	166.7	(A)
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	928919	160.000	160.9	(A)
32 2-Methylphenol	108	4.265	4.255	(1.079)	834149	160.000	165.4	(A)
33 2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	1290345	160.000	161.0	(A)
34 4-Methylphenol	108	4.421	4.421	(1.118)	895481	160.000	167.2	(A)
36 Hexachloroethane	117	4.504	4.504	(1.139)	343605	160.000	160.7	(A)
37 N-Nitrosodinpropylamine	70	4.452	4.442	(1.126)	590870	160.000	165.6	(A)
42 Nitrobenzene	77	4.607	4.597	(0.857)	844093	160.000	163.8	(A)
44 Isophorone	82	4.866	4.856	(0.906)	1628636	160.000	164.4	(A)
45 2-Nitrophenol	139	4.960	4.960	(0.923)	510613	160.000	167.0	(A)
46 2,4-Dimethyphenol	107	5.022	5.012	(0.934)	890994	160.000	164.0	(A)

10-3-10

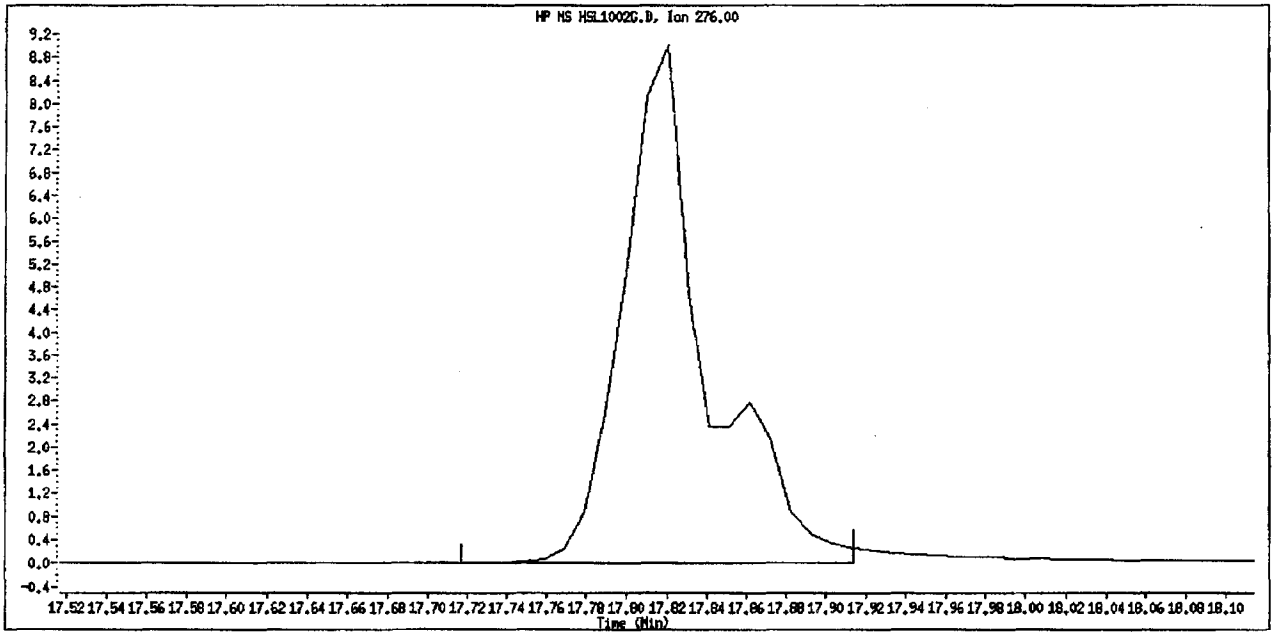
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.136	5.126	(0.956)	959710	160.000	158.5
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	692405	160.000	164.7(A)
50	Benzoic Acid	122	5.167	5.115	(0.961)	552251	160.000	183.6(A)
51	1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	724320	160.000	159.2
52	Naphthalene	128	5.395	5.395	(1.004)	2744968	160.000	159.7
54	4-Chloroaniline	127	5.488	5.488	(1.021)	1092223	160.000	162.1(A)
57	Hexachlorobutadiene	225	5.612	5.613	(1.044)	360358	160.000	161.8(A)
60	4-Chloro-3-Methylphenol	107	6.068	6.069	(1.129)	767831	160.000	163.6(A)
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	1723402	160.000	159.6
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.867)	435738	160.000	177.9(A)
69	2,4,6-Trichlorophenol	196	6.587	6.576	(0.881)	441685	160.000	168.6(A)
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.886)	474468	160.000	168.2(A)
71	2-Chloronaphthalene	162	6.783	6.784	(0.907)	1511253	160.000	163.6(A)
73	2-Nitroaniline	65	6.960	6.949	(0.931)	476342	160.000	170.1(A)
76	Dimethylphthalate	163	7.229	7.229	(0.967)	1710061	160.000	160.8(A)
77	Acenaphthylene	152	7.291	7.281	(0.975)	2665048	160.000	165.6(A)
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.976)	408436	160.000	164.8(A)
80	3-Nitroaniline	138	7.457	7.447	(0.997)	520002	160.000	168.1(A)
81	Acenaphthene	153	7.509	7.509	(1.004)	1647377	160.000	160.9(A)
82	2,4-Dinitrophenol	184	7.581	7.572	(1.014)	265655	160.000	157.7
83	Dibenzofuran	168	7.706	7.706	(1.030)	2246304	160.000	165.3(A)
84	4-Nitrophenol	109	7.685	7.675	(1.028)	228516	160.000	178.1(Aq)
86	2,4-Dinitrotoluene	165	7.778	7.768	(1.040)	566055	160.000	174.0(A)
91	Fluorene	166	8.141	8.131	(1.089)	1846653	160.000	164.1(A)
92	Diethylphthalate	149	8.110	8.100	(1.085)	1813127	160.000	166.5(A)
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.090)	757562	160.000	161.9(A)
94	4-Nitroaniline	138	8.224	8.214	(1.100)	531151	160.000	173.2(A)
97	4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	324244	160.000	160.7(A)
98	N-Nitrosodiphenylamine	169	8.328	8.317	(0.885)	1542041	187.000	191.1(A)
100	Azobenzene	77	8.359	8.348	(0.889)	1646477	160.000	157.3
101	4-Bromophenyl-phenylether	248	8.804	8.794	(0.936)	421894	160.000	162.4(A)
108	Hexachlorobenzene	284	8.980	8.981	(0.955)	465305	160.000	160.3(A)
110	Pentachlorophenol	266	9.250	9.240	(0.983)	293184	160.000	159.9
114	Phenanthrene	178	9.447	9.437	(1.004)	2695719	160.000	160.7(A)
115	Anthracene	178	9.509	9.499	(1.011)	2703105	160.000	161.3(A)
118	Carbazole	167	9.768	9.768	(1.039)	2479487	160.000	161.9(A)
120	Di-n-Butylphthalate	149	10.473	10.463	(1.113)	3164666	160.000	171.8(A)
126	Fluoranthene	202	11.312	11.302	(1.203)	2500453	160.000	166.3(A)
127	Benzidine	184	11.582	11.571	(0.840)	1864289	160.000	170.5(A)
128	Pyrene	202	11.664	11.665	(0.846)	2714930	160.000	161.0(A)
134	3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1724989	160.000	178.7(A)
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	1401117	160.000	165.8(A)
138	Benzo(a)Anthracene	228	13.768	13.758	(0.998)	2393908	160.000	166.6(A)
139	Chrysene	228	13.841	13.831	(1.004)	2422526	160.000	164.8(A)
140	3,3'-Dichlorobenzidine	252	13.810	13.799	(1.002)	915413	160.000	168.9(A)
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1906885	160.000	163.8(A)
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	3253965	160.000	174.8(A)
144	Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	2299398	160.000	181.2(AQ)
145	Benzo(k)fluoranthene	252	15.634	15.623	(0.967)	2475935	160.000	152.0(q)
147	Benzo(e)pyrene	252	16.017	16.007	(0.990)	2178628	160.000	164.7(A)
148	Benzo(a)pyrene	252	16.089	16.079	(0.995)	2387962	160.000	166.0(A)
151	Indeno(1,2,3-cd)pyrene	276	17.820	17.800	(1.102)	2196805	160.000	188.8(AM)
152	Dibenzo(a,h)anthracene	278	17.862	17.841	(1.104)	2250528	160.000	173.2(A)
153	Benzo(g,h,i)perylene	276	18.255	18.235	(1.129)	2332007	160.000	165.7(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				4775333	160.000	164.8(A)

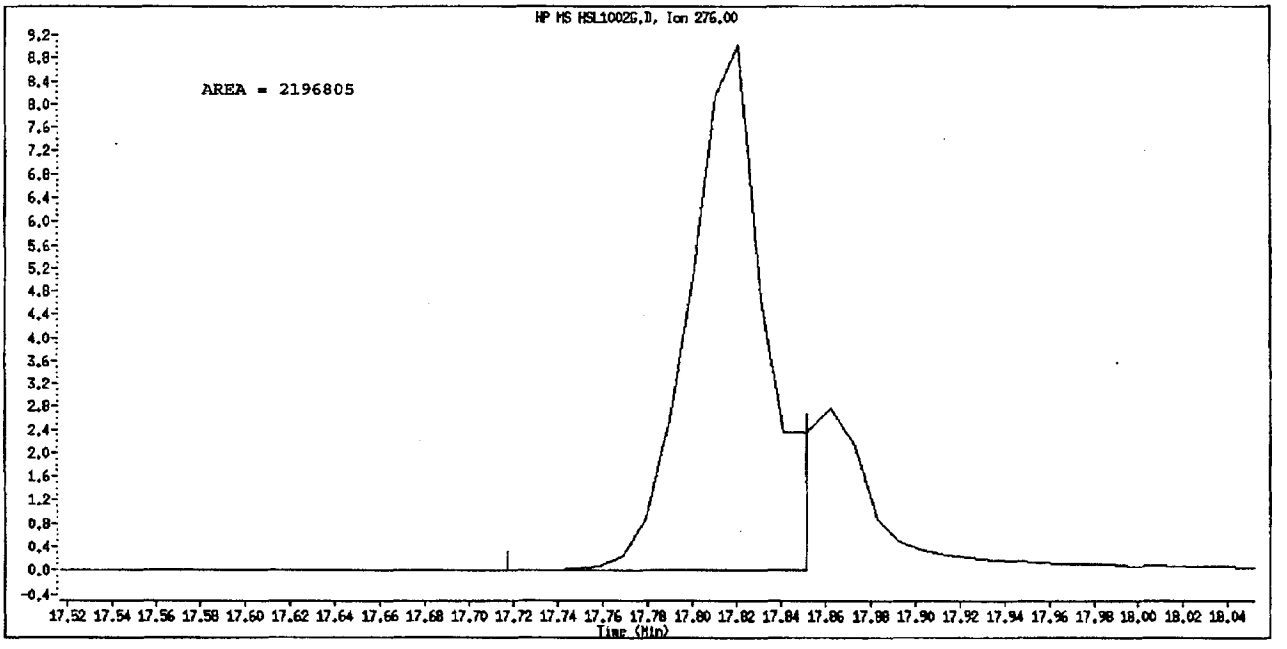
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002G.D
Inj. Date and Time: 02-OCT-2010 15:00
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 15:00
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\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 7 Calibration Sample, Level: 7
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	3.954	3.955	(1.000)	141009	40.0000	(Q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	622461	40.0000	
* 3	Acenaphthene-d10	164	7.478	7.468	(1.000)	328259	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	532284	40.0000	
* 5	Chrysene-d12	240	13.789	13.779	(1.000)	539557	40.0000	
* 6	Perylene-d12	264	16.172	16.162	(1.000)	560436	40.0000	
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	810154	160.000	155.7
$ 8	Phenol-d5	99	3.623	3.613	(0.916)	1035724	160.000	156.5
$ 9	2-Chlorophenol-d4	132	3.757	3.758	(0.950)	890073	160.000	157.7
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	557810	160.000	158.4
$ 11	Nitrobenzene-d5	82	4.587	4.576	(0.853)	845796	160.000	153.2
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.893)	1707074	160.000	162.4(A)
$ 13	2,4,6-Tribromophenol	330	8.483	8.473	(1.134)	241468	160.000	186.3(A)
$ 14	Terphenyl-d14	244	12.017	12.017	(0.871)	1728892	160.000	164.3(A)
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	529253	160.000	154.1
16	Pyridine	79	1.726	1.726	(0.437)	860850	160.000	150.4
23	Aniline	93	3.654	3.654	(0.924)	1318620	160.000	158.9(Q)
24	Phenol	94	3.633	3.623	(0.919)	1166090	160.000	165.7(AQ)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	813702	160.000	152.2
27	2-Chlorophenol	128	3.768	3.768	(0.953)	885754	160.000	159.0
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	972719	160.000	158.0
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	1023408	160.000	164.5(A)
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	617653	160.000	161.4(A)
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	928919	160.000	157.5
32	2-Methylphenol	108	4.265	4.255	(1.079)	834149	160.000	160.3(A)
33	2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	1290345	160.000	130.0
34	4-Methylphenol	108	4.421	4.421	(1.118)	895481	160.000	161.5(A)
36	Hexachloroethane	117	4.504	4.504	(1.139)	343605	160.000	156.5
37	N-Nitrosodinpropylamine	70	4.452	4.442	(1.126)	590870	160.000	152.2
42	Nitrobenzene	77	4.607	4.597	(0.857)	844093	160.000	153.8
44	Isophorone	82	4.866	4.856	(0.906)	1628636	160.000	156.6
45	2-Nitrophenol	139	4.960	4.960	(0.923)	510613	160.000	170.5(A)
46	2,4-Dimethyphenol	107	5.022	5.012	(0.934)	890994	160.000	160.2(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	5.136	5.126	(0.956)	959710	160.000	155.0
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	692405	160.000	169.1(A)
50	Benzoic Acid	122	5.167	5.115	(0.961)	552251	160.000	178.1(A)
51	1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	724320	160.000	163.2(A)
52	Naphthalene	128	5.395	5.395	(1.004)	2744968	160.000	158.4
54	4-Chloroaniline	127	5.488	5.488	(1.021)	1092223	160.000	160.2(A)
57	Hexachlorobutadiene	225	5.612	5.613	(1.044)	360358	160.000	170.6(A)
60	4-Chloro-3-Methylphenol	107	6.068	6.069	(1.129)	767831	160.000	163.0(A)
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	1723402	160.000	163.0(A)
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.867)	435738	160.000	174.0(A)
69	2,4,6-Trichlorophenol	196	6.587	6.576	(0.881)	441685	160.000	177.7(A)
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.886)	474468	160.000	173.8(A)
71	2-Chloronaphthalene	162	6.783	6.784	(0.907)	1511253	160.000	164.2(A)
73	2-Nitroaniline	65	6.960	6.949	(0.931)	476342	160.000	154.5
76	Dimethylphthalate	163	7.229	7.229	(0.967)	1710061	160.000	160.9(A)
77	Acenaphthylene	152	7.291	7.281	(0.975)	2665048	160.000	165.6(A)
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.976)	408436	160.000	171.6(A)
80	3-Nitroaniline	138	7.457	7.447	(0.997)	520002	160.000	164.8(A)
81	Acenaphthene	153	7.509	7.509	(1.004)	1647377	160.000	160.7(A)
82	2,4-Dinitrophenol	184	7.581	7.571	(1.014)	265655	160.000	158.9
83	Dibenzofuran	168	7.706	7.706	(1.030)	2246304	160.000	165.8(A)
84	4-Nitrophenol	109	7.685	7.675	(1.028)	228516	160.000	165.8(Aq)
86	2,4-Dinitrotoluene	165	7.778	7.768	(1.040)	566055	160.000	177.5(A)
91	Fluorene	166	8.141	8.131	(1.089)	1846653	160.000	166.4(A)
92	Diethylphthalate	149	8.110	8.100	(1.085)	1813127	160.000	163.2(A)
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.090)	757562	160.000	165.6(A)
94	4-Nitroaniline	138	8.224	8.214	(1.100)	531151	160.000	172.2(A)
97	4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	324244	160.000	158.0
98	N-Nitrosodiphenylamine	169	8.328	8.317	(0.885)	1542041	187.000	185.9(A)
100	Azobenzene	77	8.359	8.348	(0.889)	1646477	160.000	142.7
101	4-Bromophenyl-phenylether	248	8.804	8.794	(0.936)	421894	160.000	164.0(A)
108	Hexachlorobenzene	284	8.980	8.981	(0.955)	465305	160.000	167.5(A)
110	Pentachlorophenol	266	9.250	9.240	(0.983)	293184	160.000	175.8(A)
114	Phenanthrene	178	9.447	9.437	(1.004)	2695719	160.000	162.4(A)
115	Anthracene	178	9.509	9.499	(1.011)	2703105	160.000	161.8(A)
118	Carbazole	167	9.768	9.768	(1.039)	2479487	160.000	159.5
120	Di-n-Butylphthalate	149	10.473	10.463	(1.113)	3164666	160.000	168.4(A)
126	Fluoranthene	202	11.312	11.302	(1.203)	2500453	160.000	167.3(A)
127	Benzidine	184	11.582	11.571	(0.840)	1864289	160.000	168.3(A)
128	Pyrene	202	11.664	11.665	(0.846)	2714930	160.000	160.9(A)
134	3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1724989	160.000	181.4(A)
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	1401117	160.000	162.5(A)
138	Benzo(a)Anthracene	228	13.768	13.758	(0.998)	2393908	160.000	168.2(A)
139	Chrysene	228	13.841	13.831	(1.004)	2422526	160.000	163.8(A)
140	3,3'-Dichlorobenzidine	252	13.810	13.799	(1.002)	915413	160.000	175.7(A)
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1906885	160.000	160.7(A)
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	3253965	160.000	171.5(A)
144	Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	2299398	160.000	173.0(AQ)
145	Benzo(k)fluoranthene	252	15.634	15.623	(0.967)	2475935	160.000	159.4(q)
147	Benzo(e)pyrene	252	16.017	16.007	(0.990)	2178628	160.000	165.4(A)
148	Benzo(a)pyrene	252	16.089	16.079	(0.995)	2387962	160.000	165.1(A)
151	Indeno(1,2,3-cd)pyrene	276	17.820	17.800	(1.102)	2617878	160.000	204.6(A)
152	Dibenzo(a,h)anthracene	278	17.862	17.841	(1.104)	2250528	160.000	171.6(A)
153	Benzo(g,h,i)perylene	276	18.255	18.235	(1.129)	2332007	160.000	165.9(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				4775333	160.000	165.7(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
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: HSL1002G.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\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	141009	14.99
2 Naphthalene-d8	530514	265257	1061028	622461	17.33
3 Acenaphthene-d10	282538	141269	565076	328259	16.18
4 Phenanthrene-d10	462722	231361	925444	532284	15.03
5 Chrysene-d12	435850	217925	871700	539557	23.79
6 Perylene-d12	422284	211142	844568	560436	32.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	-0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.48	0.14
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.07
6 Perylene-d12	16.16	15.66	16.66	16.17	0.06

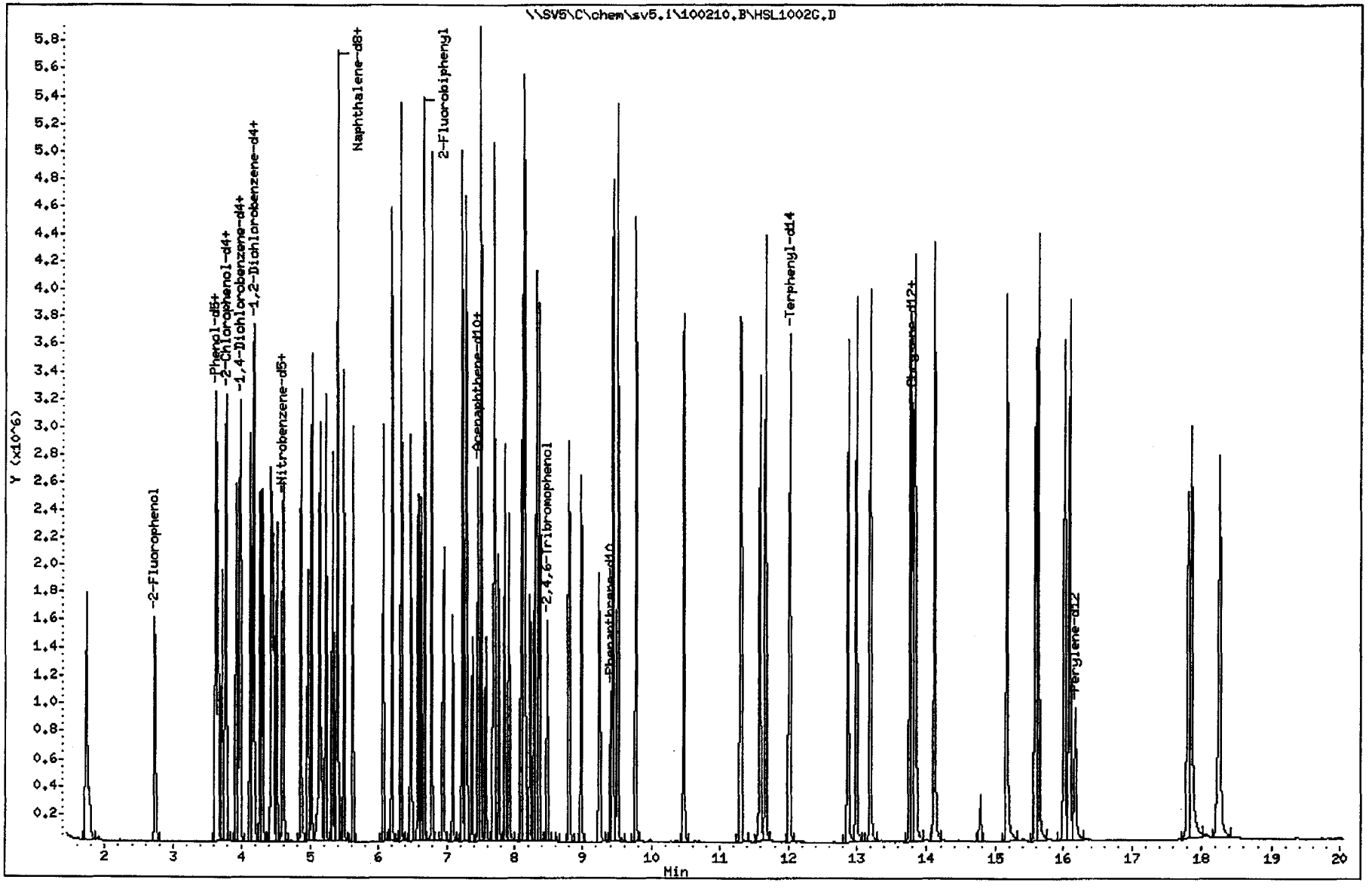
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\100210.B\HSL1002G.D
Date : 02-OCT-2010 15:00
Client ID: 8270F.H
Sample Info: HSL_160 ug/ml CS-7;1;;7;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:11
Lab File ID: HSL1002H.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.40992	1.41047	1.41047	0.010	0.03876	50.00000	Averaged
$ 8 Phenol-d5	1.77296	1.74907	1.74907	0.010	-1.34746	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.55698	1.55303	1.55303	0.010	-0.25385	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.98513	0.98502	0.98502	0.010	-0.01093	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.33879	0.32706	0.32706	0.010	-3.46219	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.28852	1.25302	1.25302	0.010	-2.75502	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.17381	0.17822	0.17822	0.010	2.53174	50.00000	Averaged
$ 14 Terphenyl-d14	0.78789	0.74054	0.74054	0.010	-6.00962	50.00000	Averaged
15 N-Nitrosodimethylamine	0.92154	0.91645	0.91645	0.010	-0.55265	50.00000	Averaged
16 Pyridine	1.54111	1.49084	1.49084	0.010	-3.26208	50.00000	Averaged
23 Aniline	2.25673	1.90520	1.90520	0.010	-15.57680	50.00000	Averaged
24 Phenol	2.03729	2.01343	2.01343	0.010	-1.17106	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.42859	1.41690	1.41690	0.010	-0.81844	50.00000	Averaged
27 2-Chlorophenol	1.56381	1.57626	1.57626	0.010	0.79611	50.00000	Averaged
28 1,3-Dichlorobenzene	1.70337	1.74104	1.74104	0.010	2.21094	50.00000	Averaged
29 1,4-Dichlorobenzene	1.78118	1.77637	1.77637	0.010	-0.26978	20.00000	Averaged
30 Benzyl Alcohol	1.05101	1.07153	1.07153	0.010	1.95228	50.00000	Averaged
31 1,2-Dichlorobenzene	1.63746	1.64144	1.64144	0.010	0.24267	50.00000	Averaged
32 2-Methylphenol	1.43012	1.41817	1.41817	0.010	-0.83592	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.27365	2.14153	2.14153	0.010	-5.81096	50.00000	Averaged
34 4-Methylphenol	1.51904	1.42403	1.42403	0.010	-6.25452	50.00000	Averaged
36 Hexachloroethane	0.60636	0.62081	0.62081	0.010	2.38271	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.01180	0.99863	0.99863	0.050	-1.30217	50.00000	Averaged
42 Nitrobenzene	0.33116	0.32452	0.32452	0.010	-2.00546	50.00000	Averaged
44 Isophorone	0.63679	0.62370	0.62370	0.010	-2.05513	50.00000	Averaged
45 2-Nitrophenol	0.19648	0.20090	0.20090	0.010	2.25050	20.00000	Averaged
46 2,4-Dimethyphenol	0.34911	0.33078	0.33078	0.010	-5.25153	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.38908	0.37434	0.37434	0.010	-3.78942	50.00000	Averaged
49 2,4-Dichlorophenol	0.27010	0.26945	0.26945	0.010	-0.23923	20.00000	Averaged
50 Benzoic Acid	0.19324	0.20284	0.20284	0.010	4.96710	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.29246	0.28203	0.28203	0.010	-3.56320	50.00000	Averaged
52 Naphthalene	1.10443	1.07116	1.07116	0.010	-3.01217	50.00000	Averaged
54 4-Chloroaniline	0.43288	0.40664	0.40664	0.010	-6.06033	50.00000	Averaged
57 Hexachlorobutadiene	0.14313	0.14742	0.14742	0.010	2.99976	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30164	0.29442	0.29442	0.010	-2.39317	20.00000	Averaged
63 2-Methylnaphthalene	0.69378	0.71003	0.71003	0.010	2.34296	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29846	0.32228	0.32228	0.050	7.98199	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.31913	0.32462	0.32462	0.010	1.71977	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.34380	0.34503	0.34503	0.010	0.35814	50.00000	Averaged
71 2-Chloronaphthalene	1.12571	1.09768	1.09768	0.010	-2.48963	50.00000	Averaged
73 2-Nitroaniline	0.34119	0.32550	0.32550	0.010	-4.59608	50.00000	Averaged
76 Dimethylphthalate	1.29606	1.28355	1.28355	0.010	-0.96554	50.00000	Averaged

10/3/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:11
Lab File ID: HSL1002H.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
77 Acenaphthylene	1.96037	1.90194	1.90194	0.010	-2.98044	50.00000	Averaged	
79 2,6-Dinitrotoluene	0.30197	0.30334	0.30334	0.010	0.45457	50.00000	Averaged	
80 3-Nitroaniline	0.37691	0.37836	0.37836	0.010	0.38563	50.00000	Averaged	
81 Acenaphthene	1.24787	1.19989	1.19989	0.010	-3.84461	20.00000	Averaged	
82 2,4-Dinitrophenol	50.00000	48.07731	0.16950	0.050	-3.84537	0.000e+000	Quadratic	
83 Dibenzofuran	1.65612	1.64309	1.64309	0.010	-0.78683	50.00000	Averaged	
84 4-Nitrophenol	0.15634	0.16205	0.16205	0.050	3.65012	50.00000	Averaged	
86 2,4-Dinitrotoluene	0.39633	0.40639	0.40639	0.010	2.53669	50.00000	Averaged	
91 Fluorene	1.37139	1.36209	1.36209	0.010	-0.67828	50.00000	Averaged	
92 Diethylphthalate	1.32699	1.28445	1.28445	0.010	-3.20581	50.00000	Averaged	
93 4-Chlorophenyl-phenylether	0.57019	0.56986	0.56986	0.010	-0.05862	50.00000	Averaged	
94 4-Nitroaniline	0.37361	0.40608	0.40608	0.010	8.68956	50.00000	Averaged	
97 4,6-Dinitro-2-methylphenol	50.00000	48.62001	0.13800	0.010	-2.75999	0.000e+000	Linear	
98 N-Nitrosodiphenylamine	0.60628	0.49086	0.49086	0.010	-19.03836	20.00000	Averaged	
100 Azobenzene	0.78660	0.77322	0.77322	0.010	-1.70096	50.00000	Averaged	
101 4-Bromophenyl-phenylether	0.19527	0.19536	0.19536	0.010	0.04546	50.00000	Averaged	
108 Hexachlorobenzene	0.21807	0.22026	0.22026	0.010	1.00466	50.00000	Averaged	
110 Pentachlorophenol	50.00000	50.72441	0.13218	0.010	1.44881	0.000e+000	Linear	
114 Phenanthrene	1.26074	1.20864	1.20864	0.010	-4.13307	50.00000	Averaged	
115 Anthracene	1.25955	1.22825	1.22825	0.010	-2.48429	50.00000	Averaged	
118 Carbazole	1.15061	1.15083	1.15083	0.010	0.01942	50.00000	Averaged	
120 Di-n-Butylphthalate	1.38442	1.39149	1.39149	0.010	0.51078	50.00000	Averaged	
126 Fluoranthene	1.12969	1.19302	1.19302	0.010	5.60642	20.00000	Averaged	
127 Benzidine	0.81067	0.30175	0.30175	0.010	-62.77740	50.00000	Averaged	See RI
128 Pyrene	1.25025	1.13023	1.13023	0.010	-9.59978	50.00000	Averaged	
134 3,3'-dimethylbenzidine	0.71564	0.26880	0.26880	0.010	-62.43954	50.00000	Averaged	See RI
136 Butylbenzylphthalate	0.62663	0.58836	0.58836	0.010	-6.10747	50.00000	Averaged	
138 Benzo(a)Anthracene	1.06548	0.99285	0.99285	0.010	-6.81596	50.00000	Averaged	
139 Chrysene	1.08994	1.04703	1.04703	0.010	-3.93621	50.00000	Averaged	10/3/10
140 3,3'-Dichlorobenzidine	0.40189	0.37691	0.37691	0.010	-6.21534	50.00000	Averaged	
141 bis(2-ethylhexyl)Phthalate	0.86316	0.80149	0.80149	0.010	-7.14468	50.00000	Averaged	
142 Di-n-octylphthalate	1.37975	1.27404	1.27404	0.010	-7.66156	20.00000	Averaged	
144 Benzo(b)fluoranthene	0.90549	0.90498	0.90498	0.010	-0.05663	50.00000	Averaged	
145 Benzo(k)fluoranthene	1.16236	1.22175	1.22175	0.010	5.10982	50.00000	Averaged	
147 Benzo(e)pyrene	0.94425	0.98421	0.98421	0.010	4.23177	50.00000	Averaged	
148 Benzo(a)pyrene	1.02655	0.95393	0.95393	0.010	-7.07365	20.00000	Averaged	
151 Indeno(1,2,3-cd)pyrene	0.83029	0.81846	0.81846	0.010	-1.42489	50.00000	Averaged	
152 Dibenzo(a,h)anthracene	0.92758	0.99090	0.99090	0.010	6.82730	50.00000	Averaged	
153 Benzo(g,h,i)perylene	1.00427	1.08674	1.08674	0.010	8.21177	50.00000	Averaged	
M 162 benzo b,k Fluoranthene Tota	2.06785	2.12673	2.12673	0.010	2.84748	50.00000	Averaged	

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002H.D
Lab Smp Id: HSL_050 ug/ml ICV Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 16:11
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml ICV;2;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:20 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	3.954	3.954	(1.000)	98364	40.0000	
*	2 Naphthalene-d8	136	5.374	5.374	(1.000)	431655	40.0000	
*	3 Acenaphthene-d10	164	7.468	7.468	(1.000)	236662	40.0000	
*	4 Phenanthrene-d10	188	9.405	9.405	(1.000)	380734	40.0000	
*	5 Chrysene-d12	240	13.789	13.789	(1.000)	421719	40.0000	
*	6 Perylene-d12	264	16.173	16.173	(1.000)	419419	40.0000	
$	7 2-Fluorophenol	112	2.732	2.732	(0.691)	173424	50.0000	50.02
$	8 Phenol-d5	99	3.613	3.613	(0.914)	215057	50.0000	49.33
$	9 2-Chlorophenol-d4	132	3.747	3.747	(0.948)	190953	50.0000	49.87
$	10 1,2-Dichlorobenzene-d4	152	4.151	4.151	(1.050)	121113	50.0000	49.99
$	11 Nitrobenzene-d5	82	4.576	4.576	(0.852)	176474	50.0000	48.27
$	12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	370679	50.0000	48.62
$	13 2,4,6-Tribromophenol	330	8.483	8.483	(1.136)	52721	50.0000	51.26
$	14 Terphenyl-d14	244	12.017	12.017	(0.871)	390377	50.0000	47.00
	15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	112682	50.0000	49.72(Q)
	16 Pyridine	79	1.726	1.726	(0.437)	183306	50.0000	48.37
	23 Aniline	93	3.654	3.654	(0.924)	234254	50.0000	42.21
	24 Phenol	94	3.623	3.623	(0.916)	247561	50.0000	49.41(Q)
	26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	174215	50.0000	49.59
	27 2-Chlorophenol	128	3.768	3.768	(0.953)	193809	50.0000	50.40
	28 1,3-Dichlorobenzene	146	3.913	3.913	(0.990)	214069	50.0000	51.10
	29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	218414	50.0000	49.86
	30 Benzyl Alcohol	108	4.120	4.120	(1.042)	131750	50.0000	50.98
	31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	201823	50.0000	50.12
	32 2-Methylphenol	108	4.255	4.255	(1.076)	174371	50.0000	49.58
	33 2,2'-oxybis(1-Chloropropane)	45	4.296	4.296	(1.086)	263312	50.0000	47.09
	34 4-Methylphenol	108	4.410	4.410	(1.115)	175092	50.0000	46.87
	36 Hexachloroethane	117	4.504	4.504	(1.139)	76332	50.0000	51.19
	37 N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	122786	50.0000	49.35
	42 Nitrobenzene	77	4.597	4.597	(0.855)	175102	50.0000	49.00
	44 Isophorone	82	4.856	4.856	(0.904)	336530	50.0000	48.97
	45 2-Nitrophenol	139	4.960	4.960	(0.923)	108399	50.0000	51.12
	46 2,4-Dimethyphenol	107	5.012	5.012	(0.933)	178479	50.0000	47.37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	201982	50.0000	48.10
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	145389	50.0000	49.88
50	Benzoic Acid	122	5.115	5.115	(0.952)	109446	50.0000	52.48
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	152177	50.0000	48.22
52	Naphthalene	128	5.395	5.395	(1.004)	577964	50.0000	48.49
54	4-Chloroaniline	127	5.488	5.488	(1.021)	219411	50.0000	46.97
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	79543	50.0000	51.50
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	158858	50.0000	48.80
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	383110	50.0000	51.17
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	95339	50.0000	53.99
69	2,4,6-Trichlorophenol	196	6.587	6.587	(0.882)	96032	50.0000	50.86
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	102070	50.0000	50.18
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	324725	50.0000	48.76
73	2-Nitroaniline	65	6.949	6.949	(0.931)	96293	50.0000	47.70
76	Dimethylphthalate	163	7.229	7.229	(0.968)	379709	50.0000	49.52
77	Acenaphthylene	152	7.281	7.281	(0.975)	562646	50.0000	48.51
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	89736	50.0000	50.23
80	3-Nitroaniline	138	7.457	7.457	(0.999)	111929	50.0000	50.19
81	Acenaphthene	153	7.509	7.509	(1.006)	354961	50.0000	48.08
82	2,4-Dinitrophenol	184	7.582	7.582	(1.015)	50142	50.0000	48.08
83	Dibenzofuran	168	7.706	7.706	(1.032)	486071	50.0000	49.61
84	4-Nitrophenol	109	7.675	7.675	(1.028)	47938	50.0000	51.82(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	120220	50.0000	51.27
91	Fluorene	166	8.131	8.131	(1.089)	402944	50.0000	49.66
92	Diethylphthalate	149	8.100	8.100	(1.085)	379976	50.0000	48.40
93	4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	168579	50.0000	49.97
94	4-Nitroaniline	138	8.214	8.214	(1.100)	120129	50.0000	54.34
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	65675	50.0000	48.62
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	273788	58.6000	47.44
100	Azobenzene	77	8.359	8.359	(0.889)	367990	50.0000	49.15
101	4-Bromophenyl-phenylether	248	8.804	8.804	(0.936)	92973	50.0000	50.02
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	104824	50.0000	50.50
110	Pentachlorophenol	266	9.240	9.240	(0.982)	62906	50.0000	50.72
114	Phenanthrene	178	9.437	9.437	(1.003)	575211	50.0000	47.93
115	Anthracene	178	9.509	9.509	(1.011)	584548	50.0000	48.76
118	Carbazole	167	9.768	9.768	(1.039)	547701	50.0000	50.01
120	Di-n-Butylphthalate	149	10.473	10.473	(1.113)	662234	50.0000	50.26
126	Fluoranthene	202	11.302	11.302	(1.202)	567781	50.0000	52.80
127	Benzidine	184	11.582	11.582	(0.840)	159069	50.0000	18.61
128	Pyrene	202	11.665	11.665	(0.846)	595801	50.0000	45.20
134	3,3'-dimethylbenzidine	212	12.877	12.877	(0.934)	141696	50.0000	18.78
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	310154	50.0000	46.95
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	523382	50.0000	46.59
139	Chrysene	228	13.830	13.830	(1.003)	551943	50.0000	48.03
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	198689	50.0000	46.89
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	422505	50.0000	46.43
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	671608	50.0000	46.17
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.963)	474456	50.0000	49.97(Q)
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.966)	640533	50.0000	52.55
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	515993	50.0000	52.12
148	Benzo(a)pyrene	252	16.079	16.079	(0.994)	500123	50.0000	46.46
151	Indeno(1,2,3-cd)pyrene	276	17.810	17.810	(1.101)	429096	50.0000	49.29
152	Dibenzo(a,h)anthracene	278	17.851	17.851	(1.104)	519505	50.0000	53.41
153	Benzo(g,h,i)perylene	276	18.235	18.235	(1.127)	569749	50.0000	54.10

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				1114989	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002H.D
Lab Smp Id: HSL_050 ug/ml ICV
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	98364	-19.78
2 Naphthalene-d8	530514	265257	1061028	431655	-18.63
3 Acenaphthene-d10	282538	141269	565076	236662	-16.24
4 Phenanthrene-d10	462722	231361	925444	380734	-17.72
5 Chrysene-d12	435850	217925	871700	421719	-3.24
6 Perylene-d12	422284	211142	844568	419419	-0.68

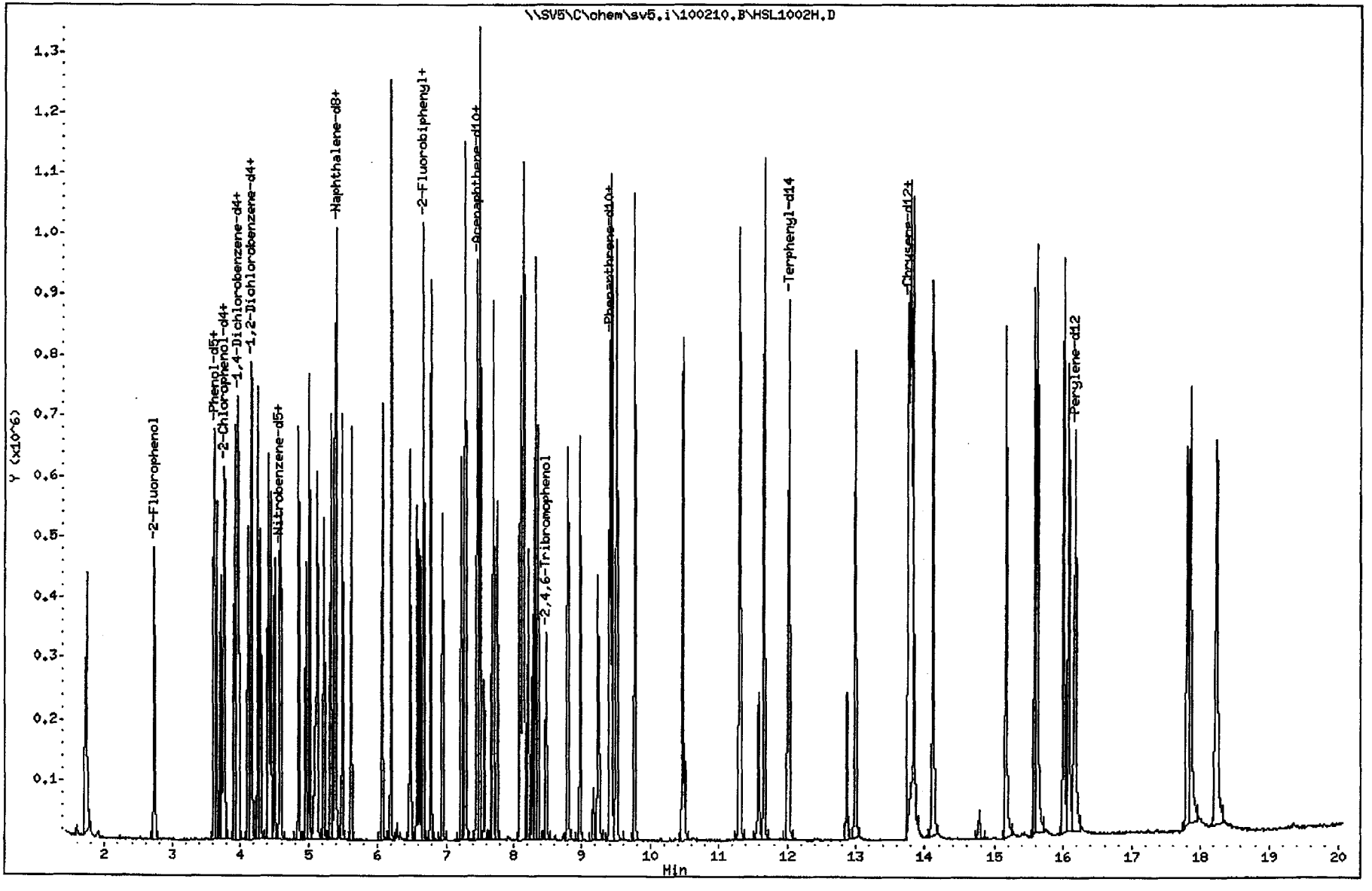
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.79	13.29	14.29	13.79	0.00
6 Perylene-d12	16.17	15.67	16.67	16.17	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\100210.B\HSL1002H.D
Date : 02-OCT-2010 16:11
Client ID: 8270F,H
Sample Info: HSL_050 ug/ml ICV;2;;4;;;;4

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

Column phase:



TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:36
Lab File ID: HSL1002H1.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: Benzidines ICV 50ug Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
127 Benzidine	0.81067	0.92336	0.92336	0.010	13.89989	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.78974	0.78974	0.010	10.35398	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.42433	0.42433	0.010	5.58428	50.00000	Averaged

10-3-10

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002H1.D
Lab Smp Id: Benzidines ICV 50ug Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 16:36
Operator : KT 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\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:13 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BenzICV.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.954	(1.000)	115503	40.0000	
* 2	Naphthalene-d8	136	5.364	5.364	(1.000)	480485	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	254190	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	405333	40.0000	
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	378068	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	372382	40.0000	
127	Benzidine	184	11.571	11.571	(0.840)	436364	50.0000	56.95
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	373217	50.0000	55.18
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	200534	50.0000	52.79

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002H1.D
Lab Smp Id: Benzidines ICV 50ug
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
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	122625	61313	245250	115503	-5.81
2 Naphthalene-d8	530514	265257	1061028	480485	-9.43
3 Acenaphthene-d10	282538	141269	565076	254190	-10.03
4 Phenanthrene-d10	462722	231361	925444	405333	-12.40
5 Chrysene-d12	435850	217925	871700	378068	-13.26
6 Perylene-d12	422284	211142	844568	372382	-11.82

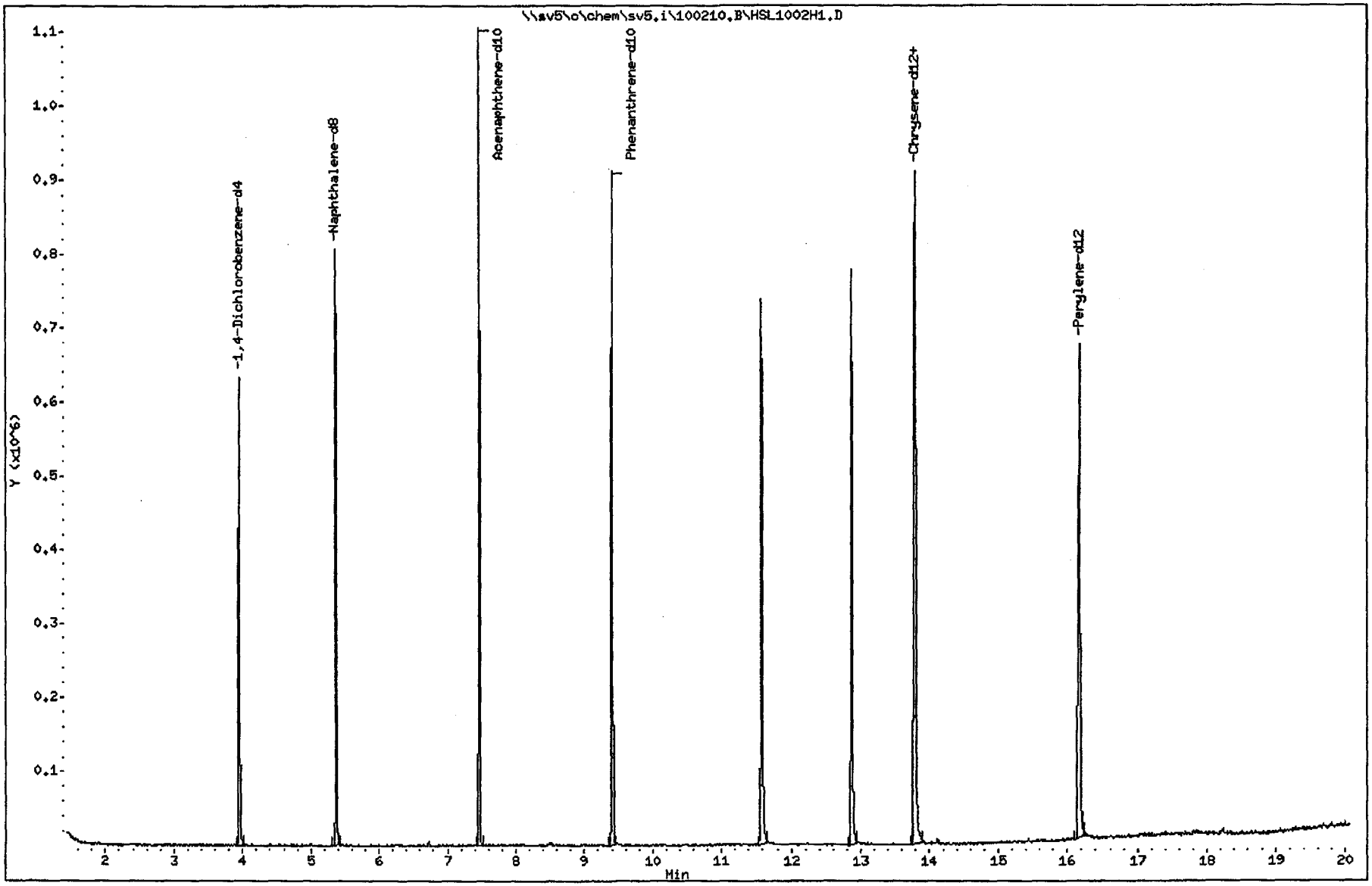
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	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\100210.B\HSL1002H1.D
Date : 02-OCT-2010 16:36
Client ID: 8270F.M
Sample Info: Benzidines ICV 50ug/mL;2;;4;;;;4

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

Column phase:



TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

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

10/3/10

Original RRF

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	160.000 Level 7	RRF	% RSD
15 N-Nitrosodimethylamine	0.92899	0.88268	0.91048	0.91970	0.93146	0.93916	0.93833	0.92154	2.162
16 Pyridine	1.67117	1.37423	1.59449	1.56610	1.52299	1.53256	1.52623	1.54111	5.856
23 Aniline	2.20796	2.15935	2.19988	2.26058	2.29749	2.33400	2.33783	2.25673	3.098
24 Phenol	2.04111	1.96212	2.02834	2.03430	2.06683	2.06089	2.06740	2.03729	1.802
26 Bis(2-chloroethyl)ether	1.47335	1.38252	1.39491	1.43824	1.42549	1.44300	1.44264	1.42859	2.170
27 2-Chlorophenol	1.52099	1.55595	1.56903	1.58168	1.56789	1.58074	1.57039	1.56381	1.328
28 1,3-Dichlorobenzene	1.68903	1.69173	1.67754	1.73135	1.68641	1.72299	1.72457	1.70337	1.294
29 1,4-Dichlorobenzene	1.77122	1.79861	1.74013	1.76898	1.78200	1.79288	1.81444	1.78118	1.352

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	160.000 Level 7	___ RRF	% RSD
30 Benzyl Alcohol	1.01643	1.03654	0.99182	1.04980	1.07792	1.08952	1.09506	1.05101	3.697
31 1,2-Dichlorobenzene	1.62008	1.63185	1.60455	1.68061	1.63410	1.64415	1.64691	1.63746	1.459
32 2-Methylphenol	1.40818	1.38930	1.39110	1.42620	1.45565	1.46154	1.47889	1.43012	2.506
33 2,2'-oxybis(1-Chloropropane)	2.29602	2.22080	2.28329	2.27928	2.27018	2.27830	2.28770	2.27365	1.085
34 4-Methylphenol	1.48606	1.48913	1.46270	1.52239	1.52653	1.55886	1.58763	1.51904	2.884
36 Hexachloroethane	0.60925	0.60836	0.60573	0.61394	0.60427	0.59381	0.60919	0.60636	1.043
37 N-Nitrosodinpropylamine	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627	1.04757	1.01180	3.926
42 Nitrobenzene	0.32855	0.32602	0.32543	0.33083	0.33379	0.33450	0.33901	0.33116	1.489
44 Isophorone	0.63431	0.62291	0.61160	0.63344	0.63648	0.66468	0.65411	0.63679	2.811
45 2-Nitrophenol	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702	0.20508	0.19648	4.423
46 2,4-Dimethyphenol	0.34459	0.34167	0.34307	0.34912	0.34788	0.35962	0.35785	0.34911	2.028

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	160.000 Level 7	___ RRF	% RSD
47 Bis(2-chloroethoxy)methane	0.41146	0.37494	0.38565	0.38249	0.38500	0.39859	0.38545	0.38908	3.106
49 2,4-Dichlorophenol	0.25434	0.26318	0.27019	0.27037	0.27274	0.28180	0.27809	0.27010	3.393
50 Benzoic Acid	0.16747	0.16266	0.17423	0.19357	0.21024	0.22272	0.22180	0.19324	13.252
51 1,2,4-Trichlorobenzene	0.29430	0.28827	0.28475	0.29747	0.29189	0.29959	0.29091	0.29246	1.760
52 Naphthalene	1.09939	1.12462	1.07435	1.09325	1.09870	1.13821	1.10247	1.10443	1.900
54 4-Chloroaniline	0.40751	0.42534	0.43264	0.43910	0.43781	0.44905	0.43867	0.43288	3.068
57 Hexachlorobutadiene	0.14295	0.13812	0.14428	0.14415	0.14385	0.14379	0.14473	0.14313	1.589
60 4-Chloro-3-Methylphenol	0.29329	0.28866	0.29079	0.30972	0.30295	0.31766	0.30839	0.30164	3.644
63 2-Methylnaphthalene	0.68483	0.68064	0.68080	0.70067	0.70560	0.71172	0.69217	0.69378	1.797
66 Hexachlorocyclopentadiene	0.26878	0.27757	0.28896	0.29704	0.30236	0.32262	0.33186	0.29846	7.645
69 2,4,6-Trichlorophenol	0.31186	0.29820	0.30223	0.31996	0.32305	0.34225	0.33638	0.31913	5.157

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
70 2,4,5-Trichlorphenol	0.30823	0.32892	0.33796	0.36298	0.35236	0.35480		
	0.36135						0.34380	5.807
71 2-Chloronaphthalene	1.13629	1.09411	1.10012	1.14181	1.11220	1.14447		
	1.15096						1.12571	2.051
73 2-Nitroaniline	0.31576	0.31759	0.33397	0.35205	0.34821	0.35794		
	0.36278						0.34119	5.573
76 Dimethylphthalate	1.23388	1.25191	1.29803	1.34568	1.31165	1.32891		
	1.30237						1.29606	3.093
77 Acenaphthylene	1.86531	1.91304	1.91818	2.01646	1.98204	1.99786		
	2.02968						1.96037	3.150
79 2,6-Dinitrotoluene	0.28347	0.27378	0.29890	0.31220	0.31294	0.32140		
	0.31106						0.30197	5.786
80 3-Nitroaniline	0.35362	0.34622	0.35978	0.40036	0.38674	0.39559		
	0.39603						0.37691	6.069
81 Acenaphthene	1.25874	1.22468	1.26733	1.27046	1.21141	1.24781		
	1.25463						1.24787	1.768
82 2,4-Dinitrophenol	0.10149	0.11058	0.14485	0.16667	0.18378	0.20563		
	0.20232						0.15933	26.349
83 Dibenzofuran	1.57786	1.62124	1.65200	1.69530	1.65117	1.68450		
	1.71077						1.65612	2.779
84 4-Nitrophenol	0.12712	0.14148	0.15316	0.16076	0.17130	0.16653		
	0.17404						0.15634	10.909

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	160.000 Level 7	___ RRF	% RSD
86 2,4-Dinitrotoluene	0.34360	0.35989	0.38479	0.42154	0.41035	0.42305	0.43110	0.39633	8.616
91 Fluorene	1.34567	1.33840	1.34292	1.39902	1.38899	1.37835	1.40640	1.37139	2.086
92 Diethylphthalate	1.22240	1.29889	1.31549	1.37912	1.31873	1.37345	1.38087	1.32699	4.319
93 4-Chlorophenyl-phenylether	0.54964	0.55917	0.56887	0.59265	0.56708	0.57695	0.57695	0.57019	2.429
94 4-Nitroaniline	0.33346	0.33747	0.37329	0.38337	0.39216	0.39102	0.40452	0.37361	7.424
97 4,6-Dinitro-2-methylphenol	0.09316	0.10533	0.12545	0.13163	0.14105	0.15288	0.15229	0.12883	17.707
98 N-Nitrosodiphenylamine	0.57756	0.59736	0.60533	0.60433	0.62172	0.61801	0.61968	0.60628	2.577
100 Azobenzene	0.77527	0.76965	0.77321	0.79522	0.80064	0.81892	0.77331	0.78660	2.371
101 4-Bromophenyl-phenylether	0.18964	0.18507	0.19281	0.19931	0.19607	0.20581	0.19815	0.19527	3.488
108 Hexachlorobenzene	0.22958	0.22054	0.20740	0.21605	0.21731	0.21704	0.21854	0.21807	3.009
110 Pentachlorophenol	0.09427	0.09851	0.11582	0.11736	0.13228	0.13923	0.13770	0.11931	15.221

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
114 Phenanthrene	1.30347	1.26007	1.25408	1.24163	1.24375	1.25610		
	1.26611						1.26074	1.643
115 Anthracene	1.25034	1.21759	1.24206	1.25982	1.27529	1.30214		
	1.26958						1.25955	2.129
118 Carbazole	1.13211	1.12547	1.13694	1.14260	1.17067	1.18192		
	1.16455						1.15061	1.878
120 Di-n-Butylphthalate	1.28492	1.32287	1.36193	1.38164	1.41474	1.43847		
	1.48636						1.38442	4.973
126 Fluoranthene	1.03840	1.07611	1.17216	1.10520	1.15861	1.18294		
	1.17440						1.12969	5.018
127 Benzidine	0.78175	0.76431	0.75250	0.82658	0.82201	0.86375		
	0.86381						0.81067	5.606
128 Pyrene	1.25791	1.23783	1.17078	1.28684	1.25586	1.28463		
	1.25794						1.25025	3.122
134 3,3'-dimethylbenzidine	0.65472	0.64388	0.67361	0.70756	0.73630	0.79414		
	0.79926						0.71564	8.888
136 Butylbenzylphthalate	0.64984	0.60187	0.59142	0.62586	0.61590	0.65233		
	0.64920						0.62663	3.950
138 Benzo(a)Anthracene	1.10169	0.99731	1.03245	1.04489	1.06449	1.10831		
	1.10920						1.06548	4.058
139 Chrysene	1.05284	1.10175	1.06320	1.09705	1.06985	1.12241		
	1.12246						1.08994	2.594

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
140 3,3'-Dichlorobenzidine	0.39148	0.37695	0.39090	0.39906	0.40353	0.42717		
	0.42415						0.40189	4.539
141 bis(2-ethylhexyl)Phthalate	0.91826	0.80897	0.84032	0.85193	0.84371	0.89539		
	0.88354						0.86316	4.348
142 Di-n-octylphthalate	1.34838	1.23185	1.35627	1.34433	1.39356	1.47616		
	1.50770						1.37975	6.651
144 Benzo(b)fluoranthene	0.81012	0.81077	0.82747	0.99930	0.95373	0.91132		
	1.02572						0.90549	10.058
145 Benzo(k)fluoranthene	1.22939	1.16528	1.20022	1.09895	1.14223	1.19597		
	1.10447						1.16236	4.279
147 Benzo(e)pyrene	0.90394	0.92734	0.90757	0.95977	0.96997	0.96929		
	0.97185						0.94425	3.220
148 Benzo(a)pyrene	0.98300	0.97686	0.99402	1.02789	1.07610	1.06275		
	1.06523						1.02655	4.111
151 Indeno(1,2,3-cd)pyrene	0.73783	0.73267	0.73671	0.84698	0.84057	0.93730		
	0.97995						0.83029	12.151
152 Dibenzo(a,h)anthracene	0.88099	0.84384	0.87256	0.92240	0.95990	1.00944		
	1.00392						0.92758	7.071
153 Benzo(g,h,i)perylene	0.96025	0.98457	0.97389	0.99974	1.01731	1.05397		
	1.04026						1.00427	3.452
M 162 benzo b,k Fluoranthene Totals	2.03951	1.97605	2.02770	2.09825	2.09596	2.10729		
	2.13019						2.06785	2.649

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
$ 7 2-Fluorophenol	1.44503	1.30436	1.38373	1.44170	1.43535	1.42292		
	1.43635						1.40992	3.615
$ 8 Phenol-d5	1.72227	1.67335	1.74151	1.79006	1.80863	1.83864		
	1.83627						1.77296	3.520
$ 9 2-Chlorophenol-d4	1.47770	1.55530	1.53916	1.59414	1.57486	1.57967		
	1.57804						1.55698	2.524
$ 10 1,2-Dichlorobenzene-d4	0.95776	0.98111	0.99827	0.98914	0.99518	0.98547		
	0.98896						0.98513	1.356
$ 11 Nitrobenzene-d5	0.33028	0.34256	0.33065	0.34105	0.33606	0.35127		
	0.33970						0.33879	2.162
$ 12 2-Fluorobiphenyl	1.28499	1.26007	1.27668	1.34206	1.25854	1.29723		
	1.30010						1.28852	2.226
$ 13 2,4,6-Tribromophenol	0.15034	0.16527	0.17466	0.17926	0.17825	0.18501		
	0.18390						0.17381	7.052
$ 14 Terphenyl-d14	0.78508	0.78616	0.73917	0.80441	0.78047	0.81889		
	0.80107						0.78789	3.214

Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
Organic Prep Log
8270 Air

Box # Air Tox #291

Shared QC Batch: N/A

Shares QC With: N/A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	12/7/10
Inst Receipt:	

Prep Reagents

Reagent	Supplier	Lot #
1:1 DCM:Acetone	NA	N/A
DCM	Baker	J38803
Na2SO4	Baker	N/A

Batch: 0340362
MS Run #:
Prep Date: 12/6/2010
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: 15:00 (12/6/10) Soxhlet time off: 8:40 (12/7/10)

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume 1mL	Final Volume Other	Analysis Hold Time Expires
G0L040465 - 5		MAWE21AA	12/8/2010	1.0	✓		1/10/2011
G0L040465 - 6		MAWE61AA	12/8/2010	1.0	✓		1/10/2011
G0L060000 - 362	B	MAXT91AA	12/8/2010	1.0	✓		1/10/2011
G0L060000 - 362	C	MAXT91AC	12/8/2010	1.0	✓		1/10/2011
G0L060000 - 362	L	MAXT91AD	12/8/2010	1.0	✓		1/10/2011

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

Comments/NCMs: QC Media: sup2su19056 / PT01910

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	500µl/10AIR0135/ABN Surr	6/6/11	ECf	JZ	12/6/10
Spike Mix LCS/~~LCSD/MS/MS~~ (ECf 12/6/10)	1.0ml/10AIR0136/8270 LCS Mix1	6/6/11	ECf	JZ	12/6/10
Pre-Spike Standard ~~All Samples~~ MB only ECf 12/6/10	250µl/10AIR0128/1,2-DCB d4	4/19/11	ECf	JZ	12/6/10
Internal Standard All Samples	20ul 10MSSV043B	11-19-11	[illegible]	VMN	12-9-10

Soxhlet Extraction Analyst/Date: ECf 12/6/10
Concentration Analyst/Date: ECf 12/7/10
KD Analyst/Date: ECf 12/7/10
Liq Liq Extraction Analyst/Date: N/A
KD Temp: 83°C
Review Analyst/Date:

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/07/10
Time: 17:23:07

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: 0340362

PREP DATE: 12/06/10 15:00
COMP DATE: 12/07/10 15:00

Reviewer/Date: LARSONE / 12/07/10

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 ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
12/08/10	12/13/10	G0L040465-005 **MAWE2-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/08/10	12/13/10	G0L040465-006 **MAWE6-1-AA**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/08/10	0/00/00	G0L060000-362 **MAXT9-1-AAB**		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	250UL/10AIR0128/1,2-DCB 500UL/10AIR0135/ABN SURR
COMMENTS:															
12/08/10	0/00/00	G0L060000-362 **MAXT9-1-ACC**		11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0136/8270 MIX 500UL/10AIR0135/ABN SURR
COMMENTS:															
12/08/10	0/00/00	G0L060000-362 **MAXT9-1-ADL**	R	11	JZ	AIR	**1.0Sample** 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0136/8270 MIX 500UL/10AIR0135/ABN SURR
COMMENTS:															

QC MEDIA: SUP2SV19056/P101910

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

NUMBER OF WORK ORDERS IN BATCH: 5

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0340364 2nd 12/7/10 **Test:** TO-13

Prep Date: 12/6/10 **Holding Times:** 12/8/10 **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: 12/6/10

2nd Level Reviewer: MM Date: 12/9/10

Comments:

TestAmerica West Sacramento
GC/MS Data Review Checklist

Batch: 0340362 **Method ID:** Semivolatile Organics by GCMS in Air (TO-13A)

NCM: (Y) N Lot ID G0L040465

A. [illegible]	[illegible]	[illegible]	[illegible]
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. [illegible]			
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. [illegible]			
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. [illegible]			
1. Are all nonconformances documented appropriately?	✓	✓	
2. Quantims entry correct, including dates and times.	✓	✓	
3. Appropriate footnotes used.	✓	✓	

Analyst: [signature] Date: 12/10/10

2nd Level Reviewer: [signature] Date: 12/10/10

Comments: ______________________________

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

05
12-15-10

Run text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB
Run #11 Filename: 14DE10A9D5 S: 13 I: 1 Results: 14DE10A9D5TO9
Acquired: 14-DEC-10 23:44:08 Processed: 15-DEC-10 10:53:09
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5
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	142627800	0.76	y	19:12	-	180.772	-	-	n
13C-2,3,7,8-TCDF	144658300	0.78	y	18:37	1.11	3641.891	3.186	91.0	n
2,3,7,8-TCDF	*	*	n	NotFnd	0.88	*	7.372	-	n
Total TCDF	*	*	n	NotFnd	0.88	*	7.372	-	n
13C-2,3,7,8-TCDD	131578400	0.76	y	19:25	0.97	3796.505	9.581	94.9	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.87	*	3.177	-	n
Total TCDD	63669	3.23	n	18:37	0.87	~~2.221~~	3.177	-	n
37Cl-2,3,7,8-TCDD	60166200	1.00	y	19:26	1.22	1494.820	2.487	93.4	n
13C-1,2,3,7,8-PeCDF	119306100	1.51	y	24:17	0.92	3632.879	5.809	90.8	n
1,2,3,7,8-PeCDF	*	*	n	NotFnd	1.06	*	5.420	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.03	*	5.616	-	n
Total F2 PeCDF	35691	2.61	n	22:05	1.05	~~1.144~~	~~5.516~~	-	n
Total F1 PeCDF	190576	2.75	n	19:12	1.05	~~6.108~~	5.889	-	n
13C-1,2,3,7,8-PeCDD	110239100	1.54	y	26:36	0.83	3727.595	2.738	93.2	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.79	*	3.880	-	n
Total PeCDD	103757	3.02	n	24:17	0.79	~~4.747~~	3.880	-	n
13C-1,2,3,7,8,9-HxCDD	91140900	1.29	y	32:49	-	177.613	-	-	n
13C-1,2,3,4,7,8-HxCDF	89297300	0.50	y	31:40	1.07	3655.355	3.907	91.4	n
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	1.06	*	3.619	-	n
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	1.12	*	3.429	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.05	*	3.669	-	n
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.95	*	4.038	-	n
Total HxCDF	*	*	n	NotFnd	1.05	*	~~3.676~~ 4.038	-	n
13C-1,2,3,6,7,8-HxCDD	72964100	1.31	y	32:34	0.89	3605.886	7.976	90.1	n
1,2,3,4,7,8-HxCDD	23768	0.71	n	32:29	1.11	~~1.170~~	1.851	-	n
1,2,3,6,7,8-HxCDD	25897	0.77	n	32:34	1.16	~~1.225~~	1.778	-	n
1,2,3,7,8,9-HxCDD	17051	0.63	n	32:52	1.20	~~0.778~~	1.715	-	n
Total HxCDD	239295	3.11	n	31:40	1.16	~~11.341~~ 6.16	1.779	-	n
13C-1,2,3,4,6,7,8-HpCDF	86749500	0.43	y	34:18	0.95	4015.762	8.574	100.4	n
1,2,3,4,6,7,8-HpCDF	58083	3.06	n	34:18	1.44	~~1.866~~	1.988	-	n
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	1.23	*	2.326	-	n
Total HpCDF	58083	3.06	n	34:18	1.33	~~1.866~~	~~2.144~~ 2.326	-	n
13C-1,2,3,4,6,7,8-HpCDD	99771600	1.01	y	35:05	1.08	4071.999	6.733	101.8	n
1,2,3,4,6,7,8-HpCDD	66260	1.43	n	35:06	0.90	2.967 J,Q	1.040	-	n
Total HpCDD	213026	2.39	n	34:18	0.90	~~9.539~~ 5.826	1.040	-	n
13C-OCDD	117864100	0.84	y	37:31	0.69	7498.493	4.458	93.7	n
OCDF	40969	0.81	y	37:39	1.18	~~2.357~~	2.541	-	n
OCDD	145489	0.86	y	37:32	1.14	8.673 J	3.059	-	n

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:0
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

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

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

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:1
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	1.110 of which	* named and	1.110	unnamed	
Conc:	2.221 of which	* named and	2.221	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	18:37	3.228	n	2.221	116115	7.672	y	n
						35971	2.978	n	n

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:1
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	0.572 of which	* named and	0.572	unnamed	
Conc:	1.144 of which	* named and	1.144	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	22:05	2.614	n	1.144	36591	1.217	n	n
						13996	1.150	n	n

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:2
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	3.054	of which	* named and	3.054	unnamed	
Conc:	6.108	of which	* named and	6.108	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	19:12	2.748	n	3.018	101447	4.123	y	n
						36921	1.882	n	n
	2	19:25	2.088	n	3.091	78939	3.465	y	n
						37814	1.809	n	n

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:2
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	2.373	of which	* named and	2.373	unnamed	
Conc:	4.747	of which	* named and	4.747	unnamed	

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	24:17	3.022	n	2.987	77362	4.978	y	n
						25600	2.392	n	n
	2	25:45	5.229	n	1.760	78893	4.751	y	n
						15089	1.916	n	n

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:0
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

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

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

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:7
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	5.671 of which	1.586 named and	4.084 unnamed
Conc:	11.341 of which	3.173 named and	8.169 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	31:40	3.111 n	2.232	65474	8.650	y	n
					21047	2.428	n	n
	2	31:47	3.790 n	2.040	72943	10.489	y	n
					19244	2.994	n	n
	3	32:21	4.470 n	1.888	79577	11.988	y	n
					17803	2.898	n	n
1,2,3,4,7,8-HxCDD	4	32:29	0.709 n	1.170	13157	2.055	n	n
					18566	1.676	n	n
1,2,3,6,7,8-HxCDD	5	32:34	0.772 n	1.225	14336	1.990	n	n
					18566	1.676	n	n
1,2,3,7,8,9-HxCDD	6	32:52	0.632 n	0.778	9439	1.280	n	n
					14932	2.687	n	n
	7	32:59	2.860 n	2.009	54201	8.584	y	n
					18949	3.271	y	n

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:1
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	0.933 of which	0.933 named and	* unnamed
Conc:	1.866 of which	1.866 named and	* unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:18	3.064 n	1.866	87247	5.815	y	n
					28472	4.356	y	n

Run Text: MAXT5-1-AA Sample text: MAXT5-1-AA :G0L040465-9MB

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 11 File: 14DE10A9D5 S:13 Acq:14-DEC-10 23:44:08

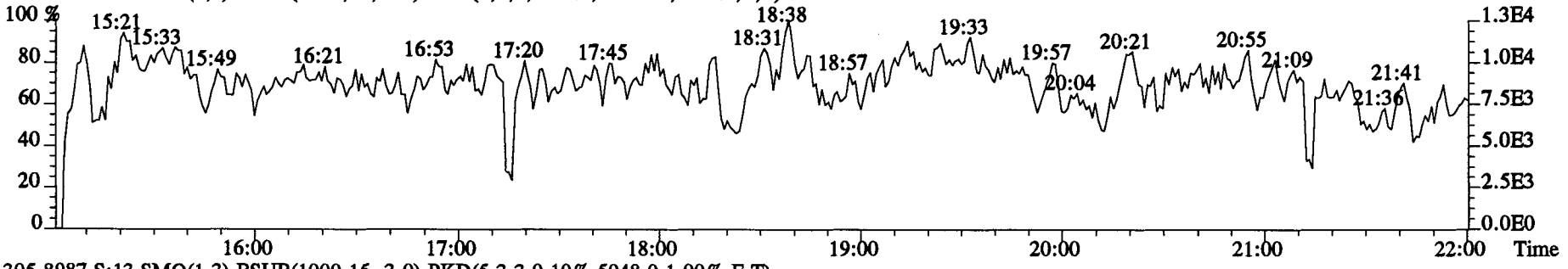
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	4.770 of which	1.484 named and	3.286 unnamed
Conc:	9.539 of which	2.967 named and	6.572 unnamed

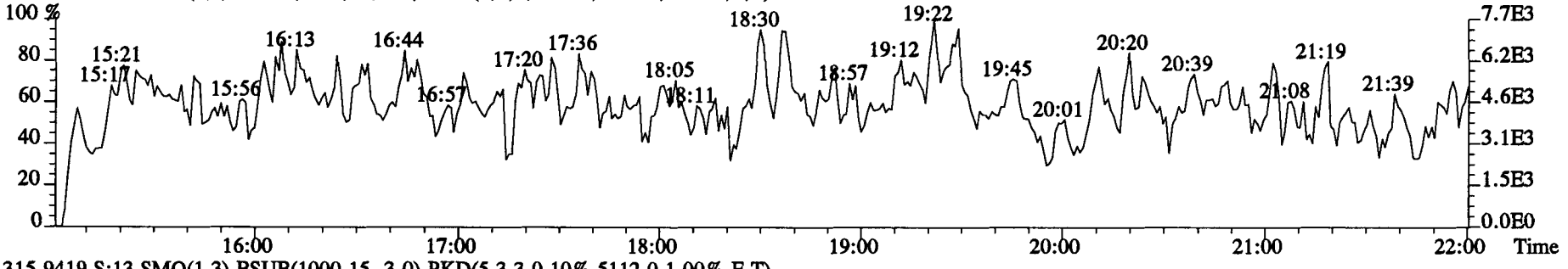
Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	34:18	2.394 n	2.175	56995	13.221	y	n
					23812	8.363	y	n
	2	34:33	1.025 y	2.859	32308	6.074	y	n
					31533	11.371	y	n
1,2,3,4,6,7,8-HpCDD	3	35:06	1.428 n	2.967	46392	6.798	y	n
					32481	10.169	y	n
	4	35:24	2.825 n	1.538	47561	9.937	y	n
					16837	6.275	y	n

File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES

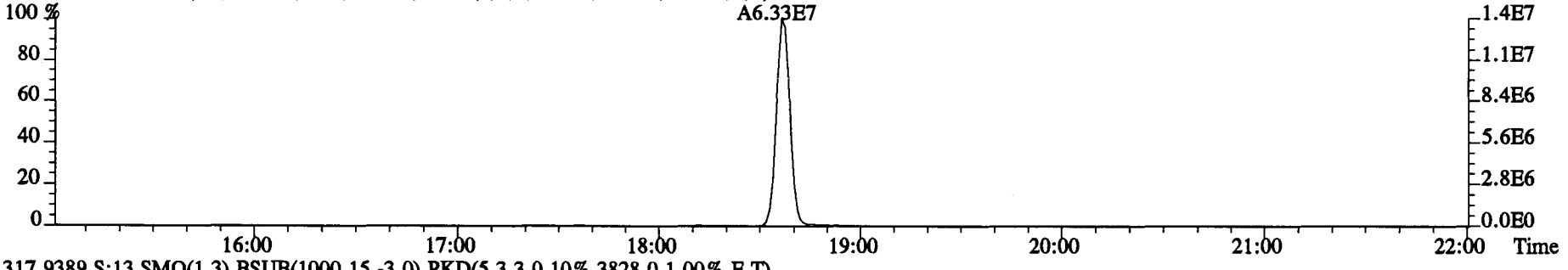
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11368.0,1.00%,F,T)



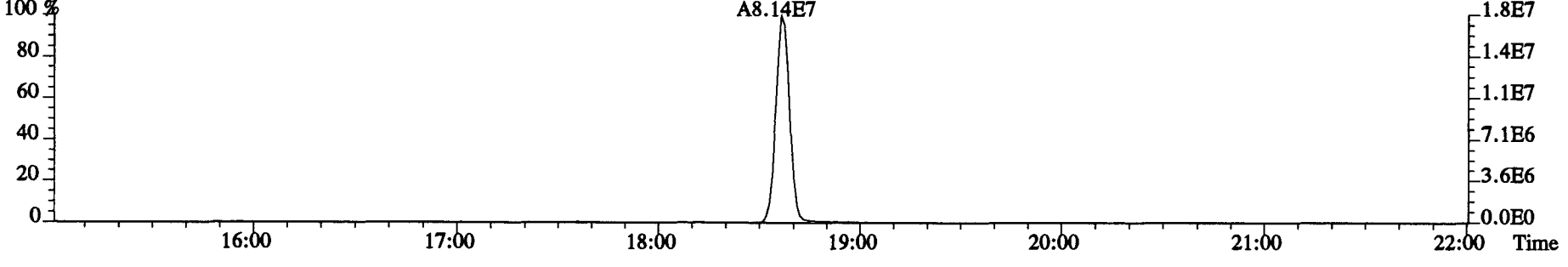
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5948.0,1.00%,F,T)



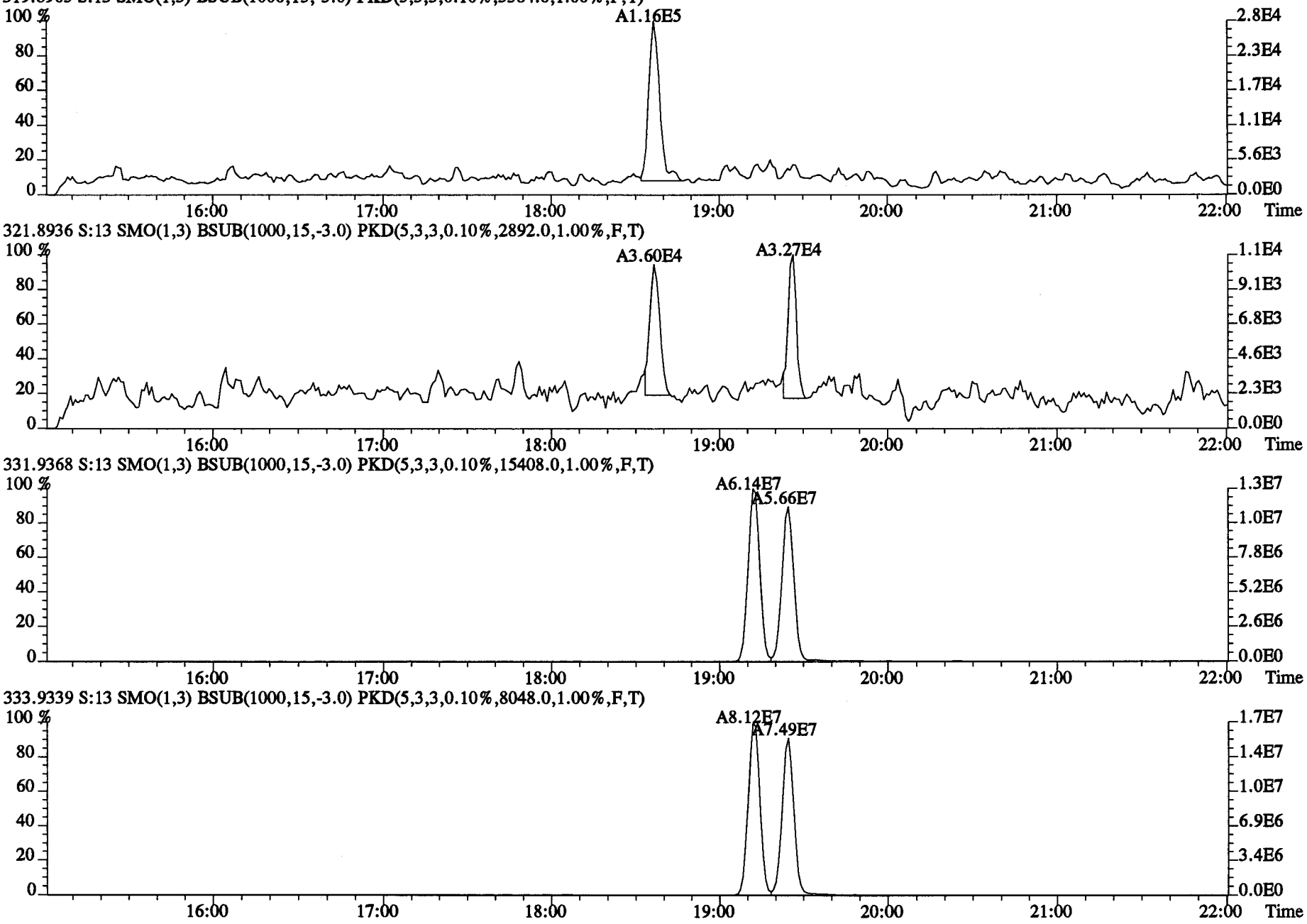
315.9419 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5112.0,1.00%,F,T)



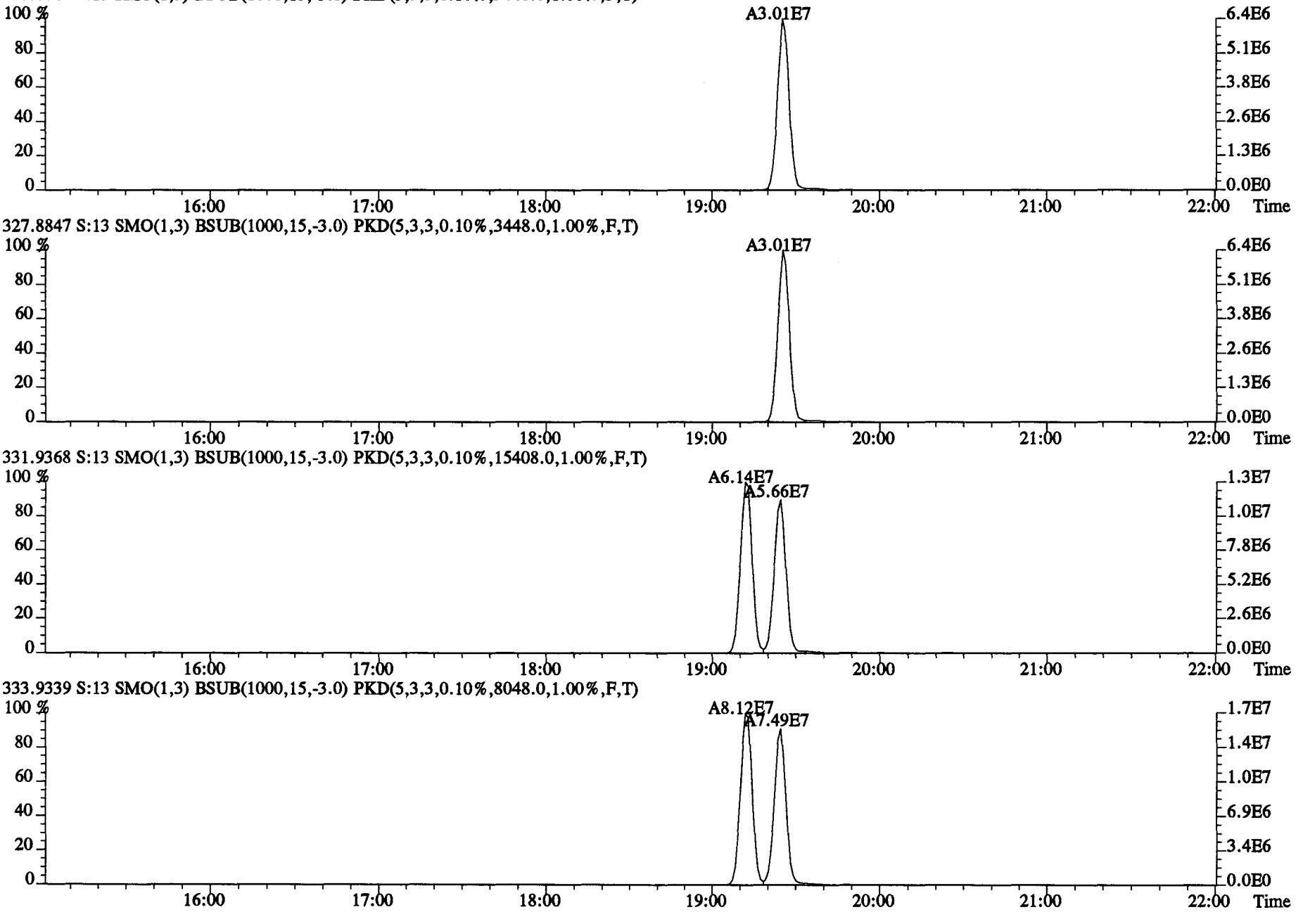
317.9389 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3828.0,1.00%,F,T)



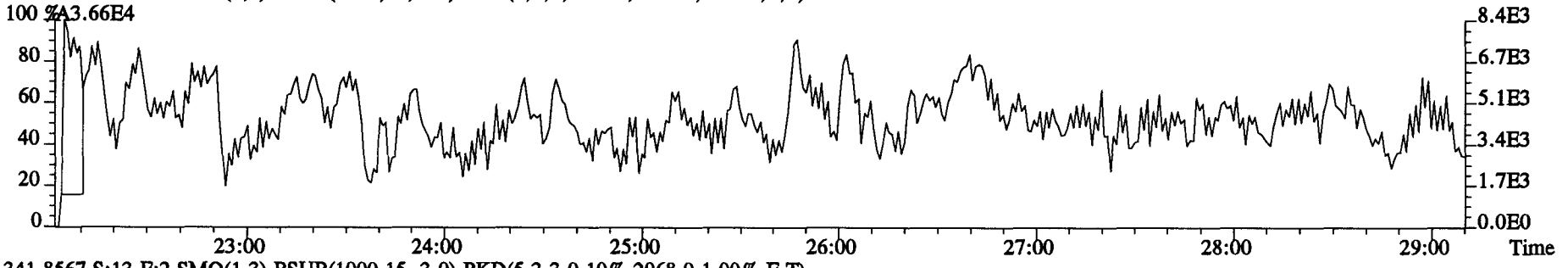
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES



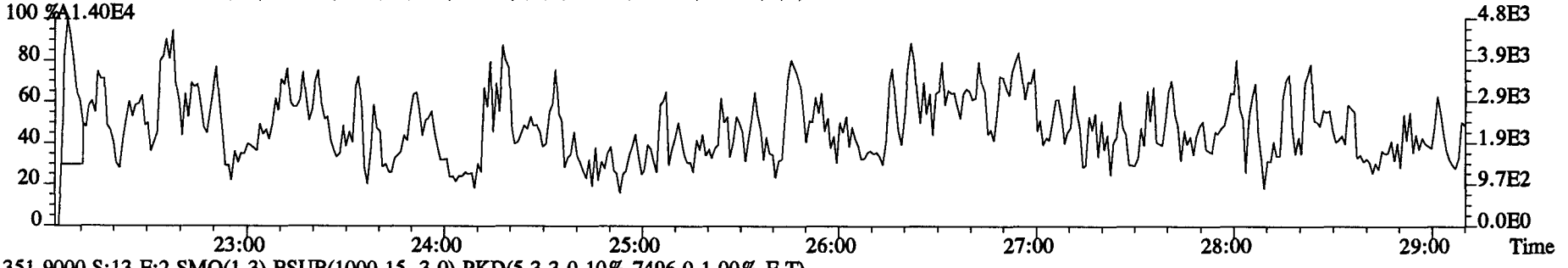
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES



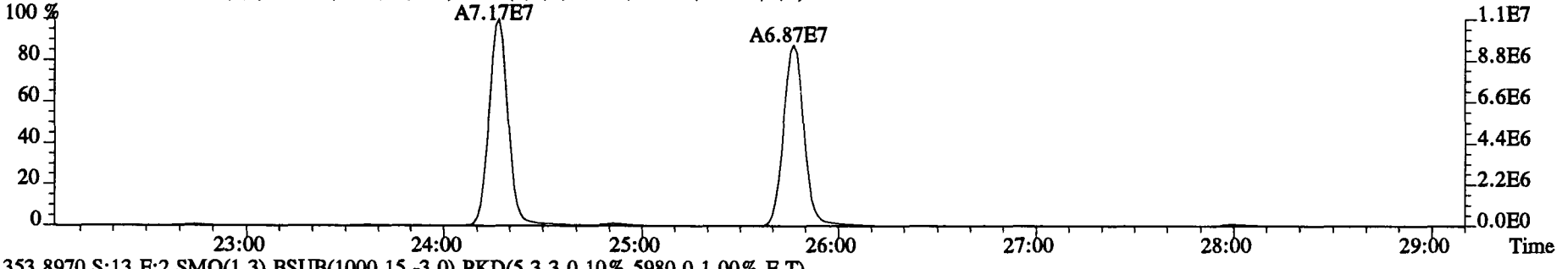
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES
339.8597 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5856.0,1.00%,F,T)



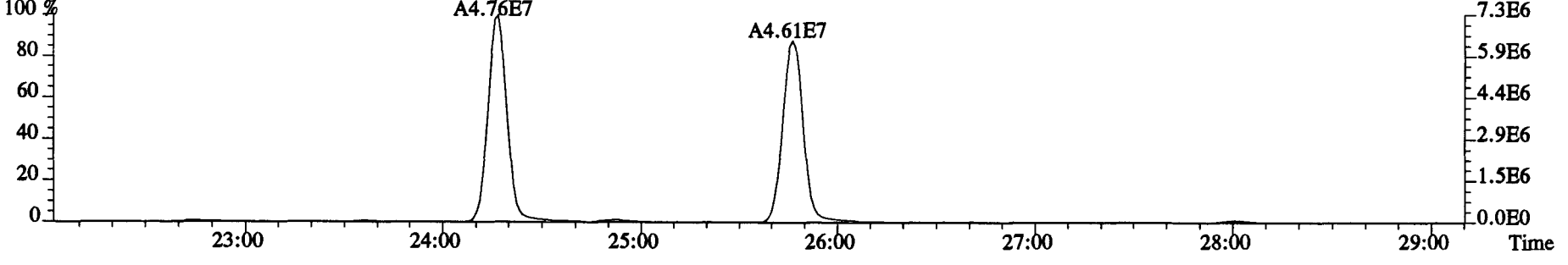
341.8567 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2968.0,1.00%,F,T)



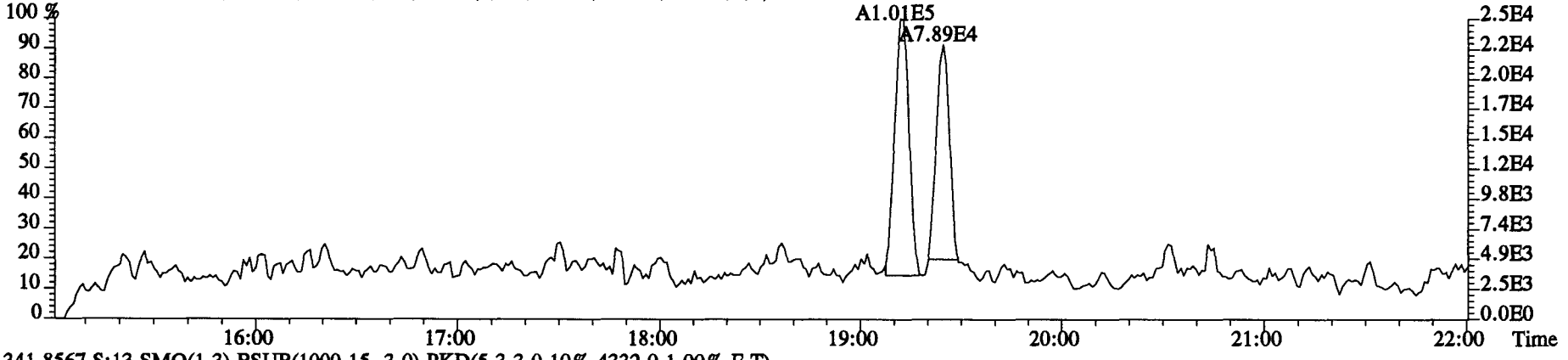
351.9000 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7496.0,1.00%,F,T)



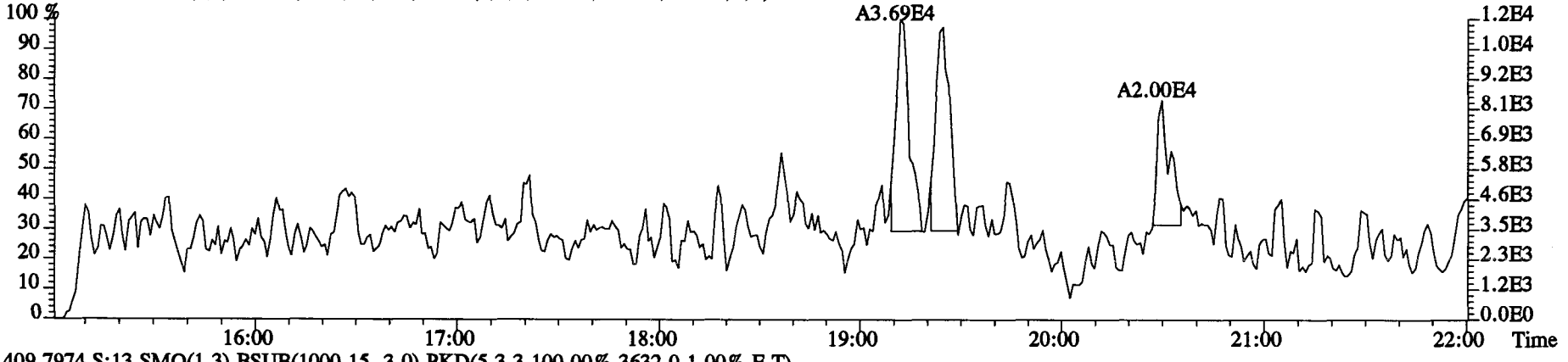
353.8970 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5980.0,1.00%,F,T)



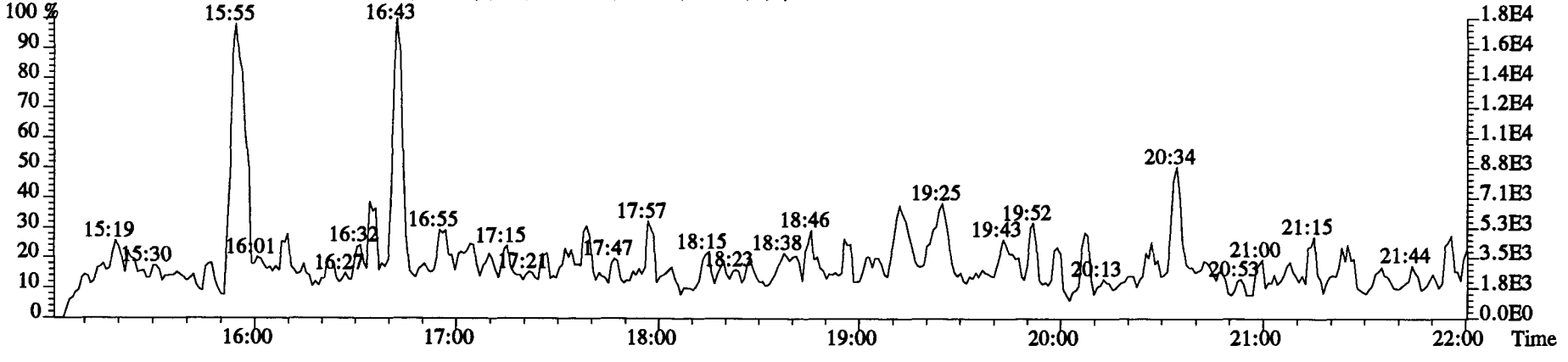
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES
339.8597 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5088.0,1.00%,F,T)



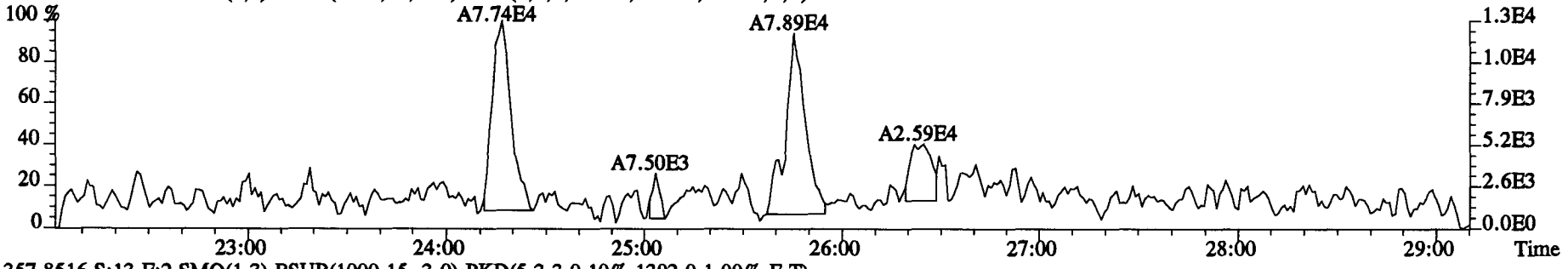
341.8567 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4332.0,1.00%,F,T)



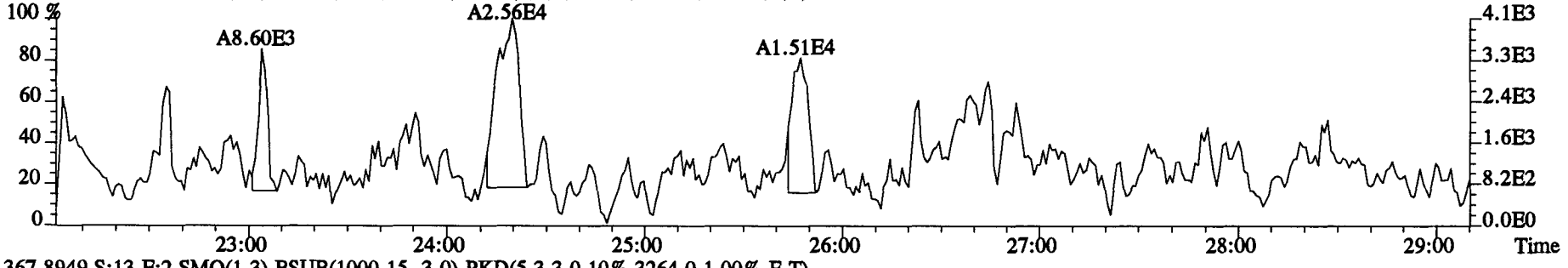
409.7974 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3632.0,1.00%,F,T)



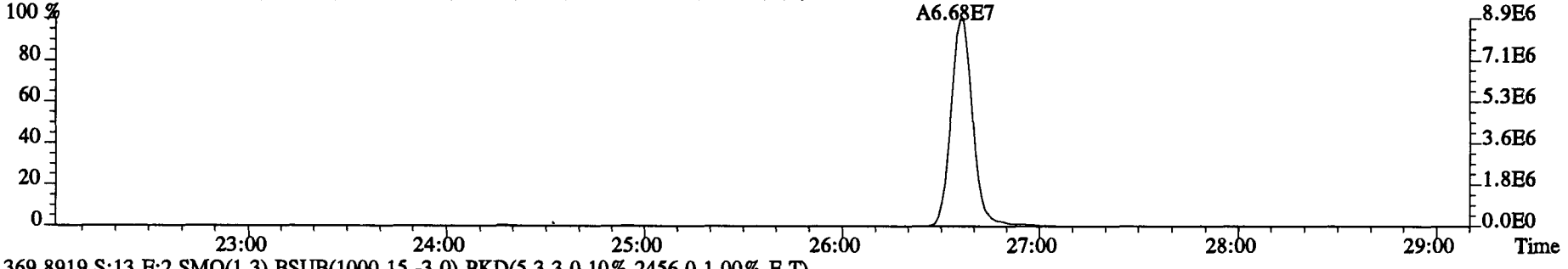
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES
355.8546 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



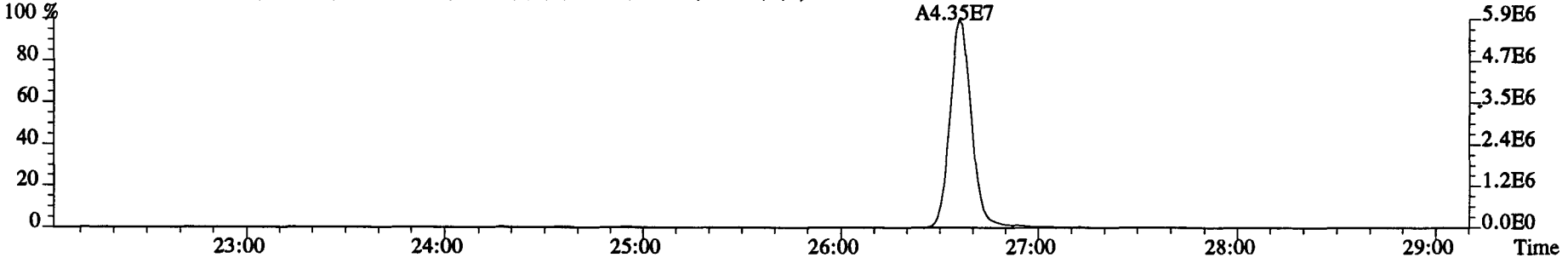
357.8516 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1392.0,1.00%,F,T)



367.8949 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3264.0,1.00%,F,T)

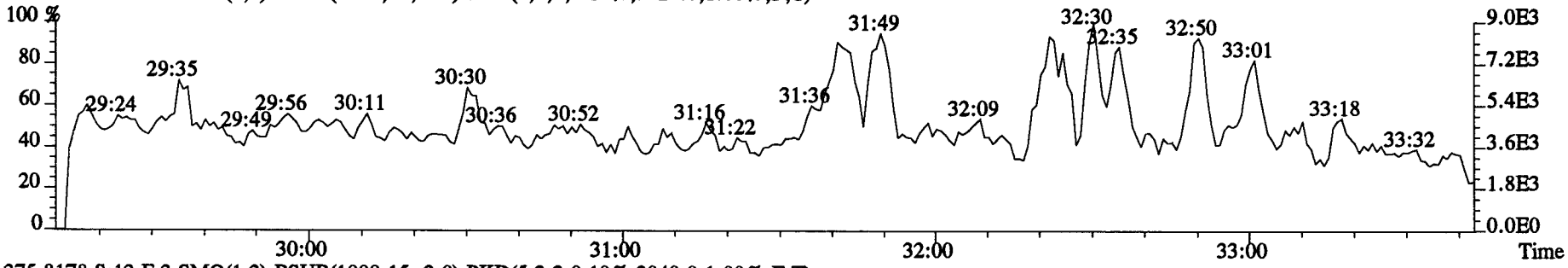


369.8919 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2456.0,1.00%,F,T)

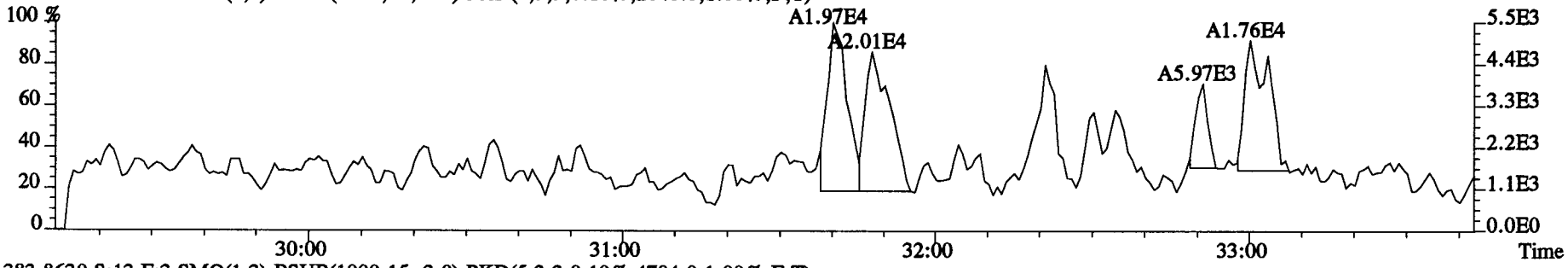


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES

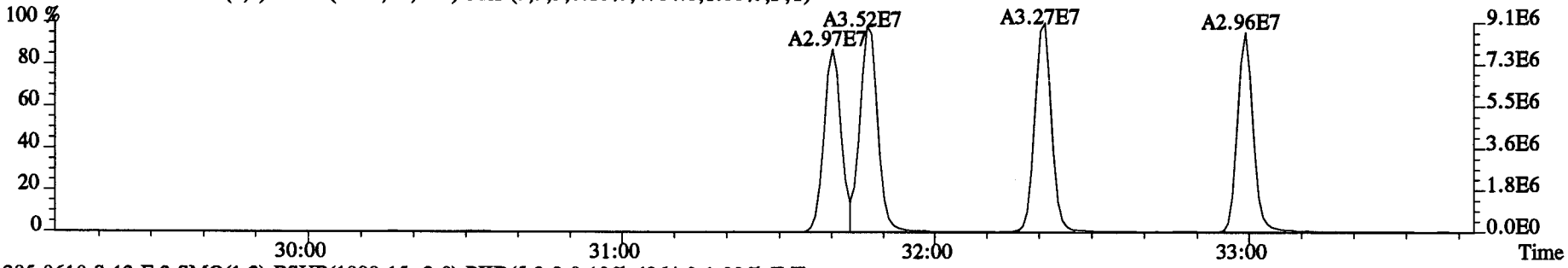
373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5628.0,1.00%,F,T)



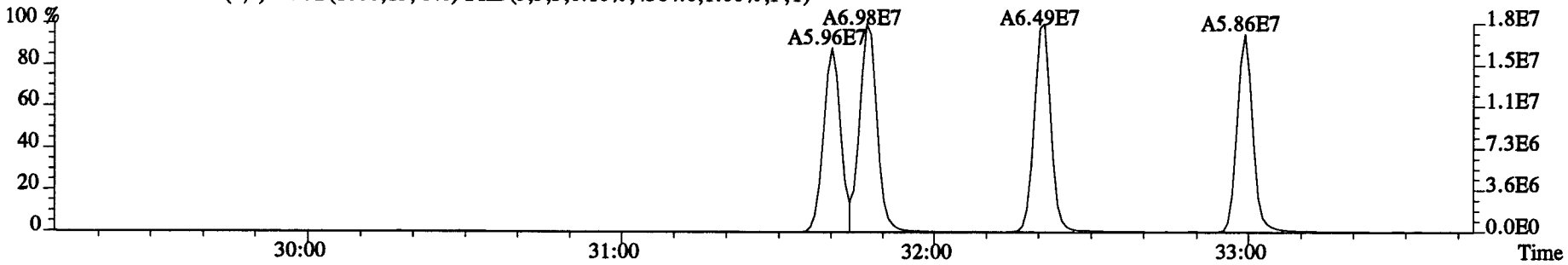
375.8178 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2040.0,1.00%,F,T)



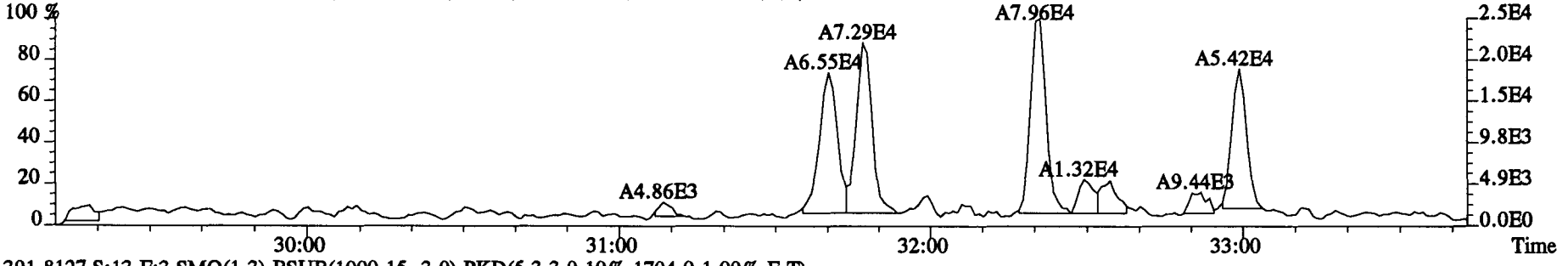
383.8639 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4784.0,1.00%,F,T)



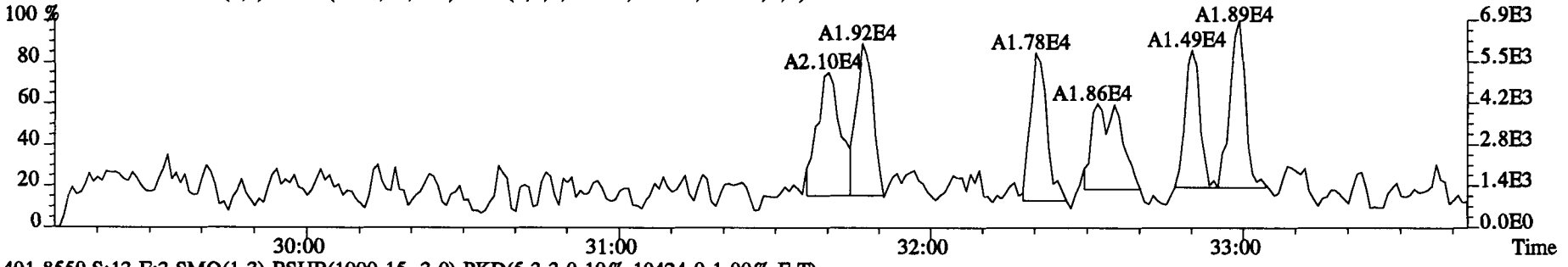
385.8610 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4364.0,1.00%,F,T)



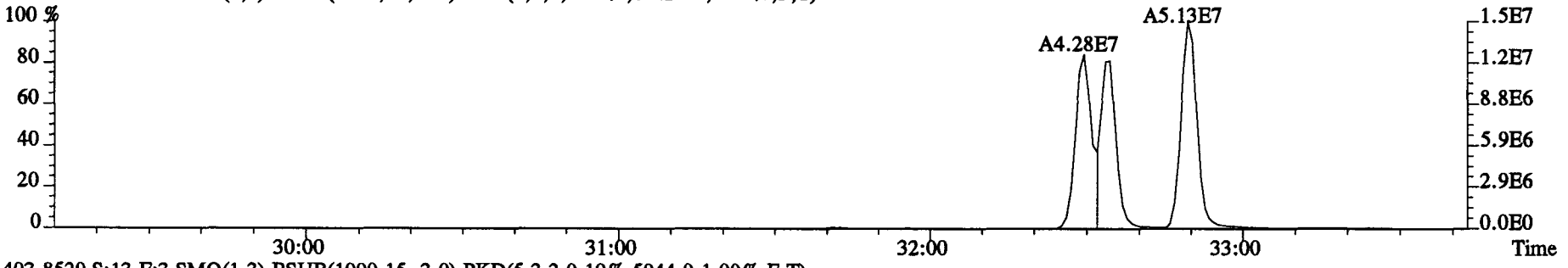
File:14DE10A9D5 #1-326 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES
389.8157 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1928.0,1.00%,F,T)



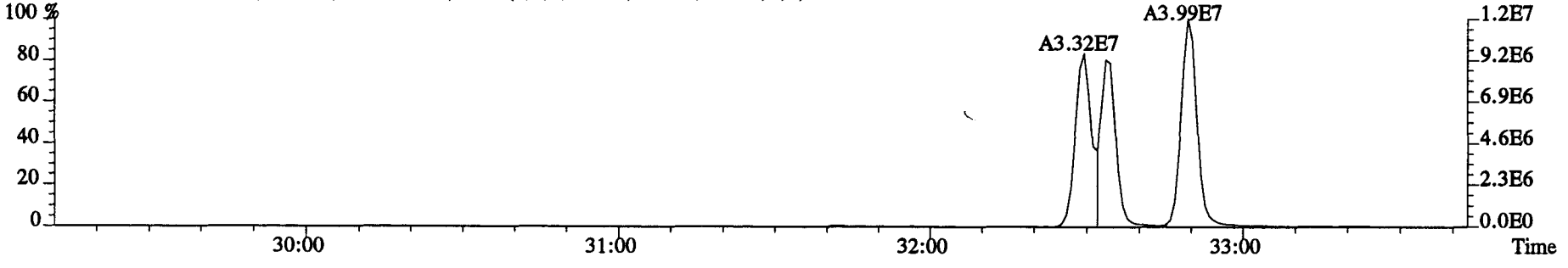
391.8127 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1704.0,1.00%,F,T)



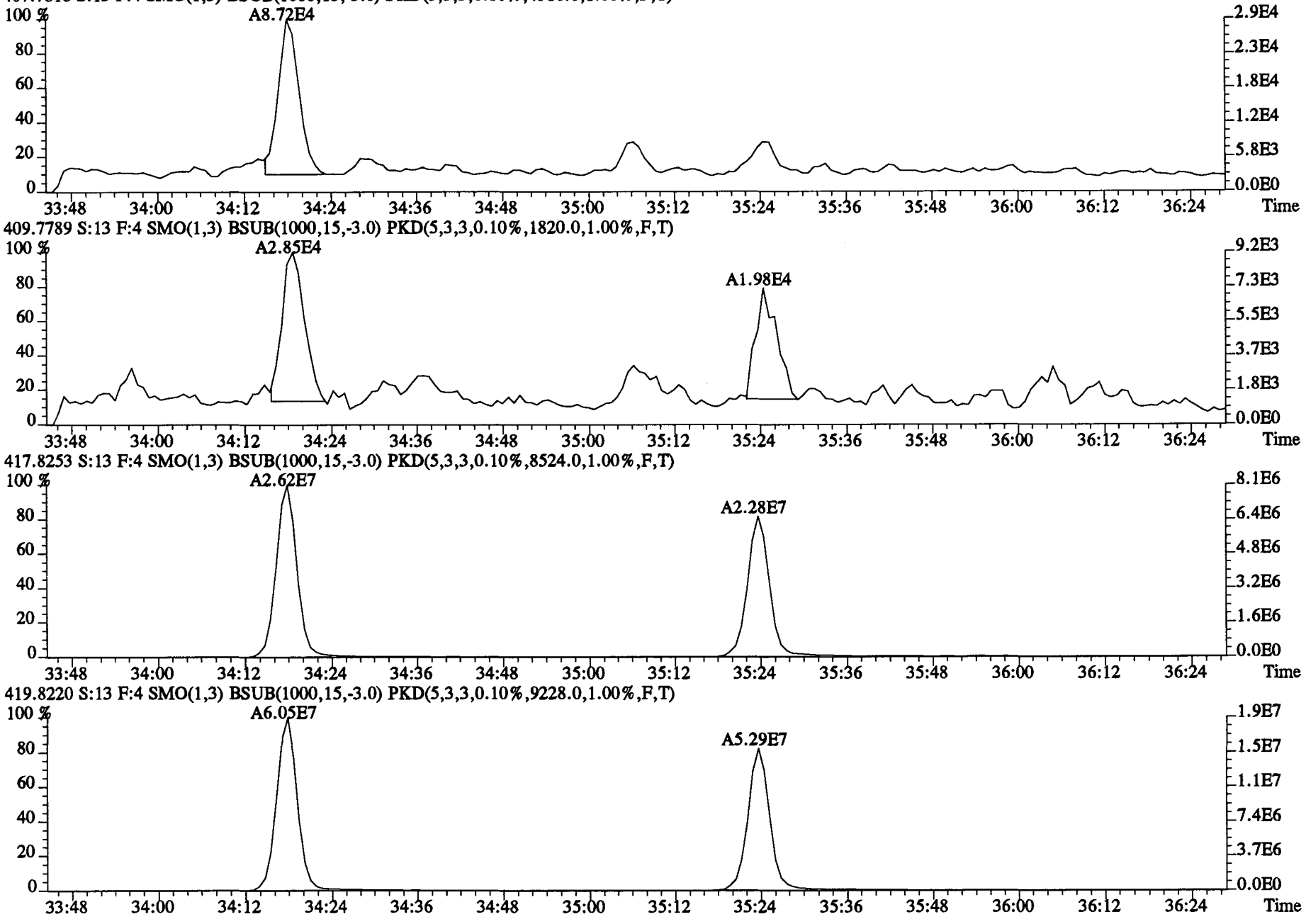
401.8559 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10424.0,1.00%,F,T)



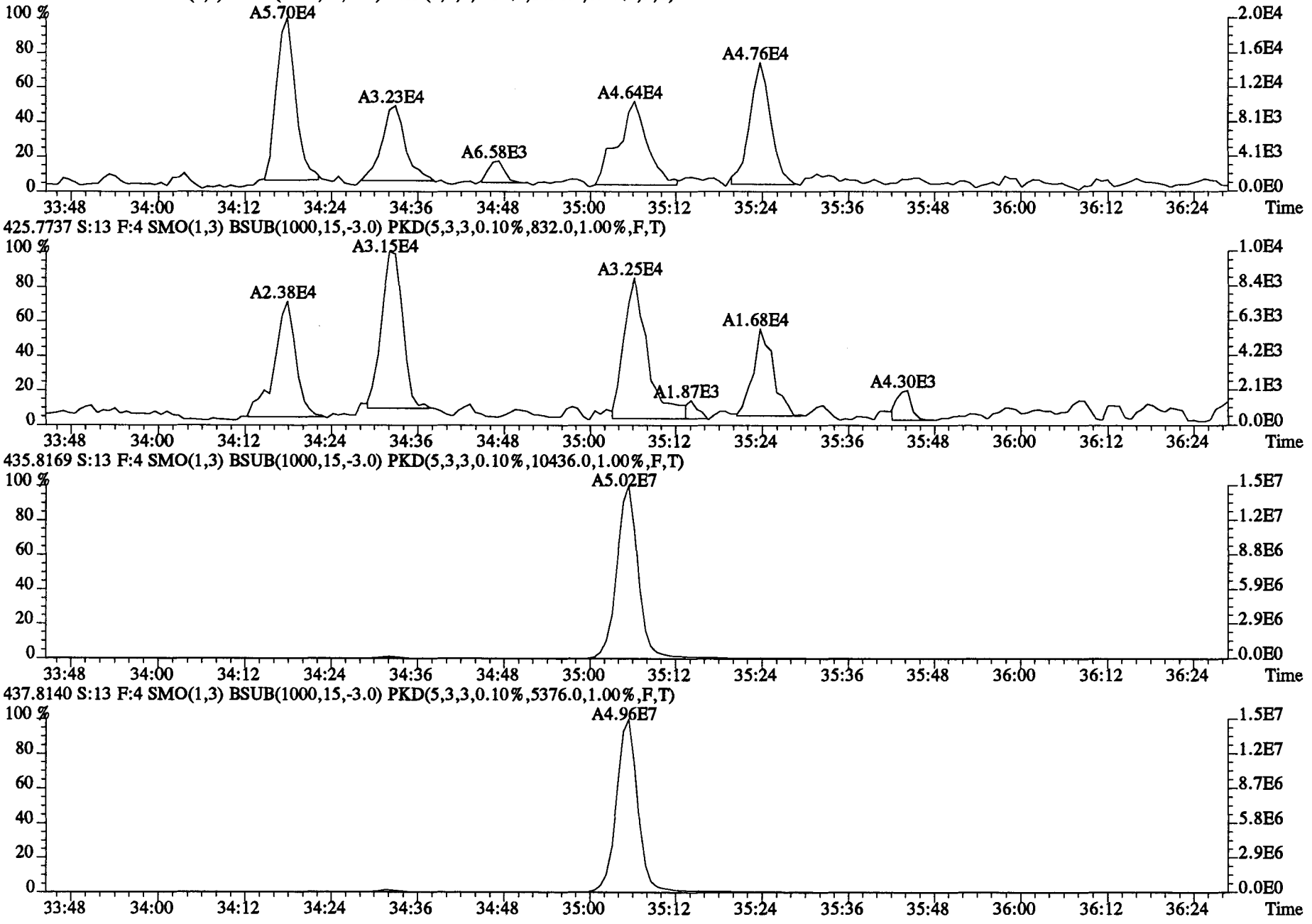
403.8529 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5044.0,1.00%,F,T)



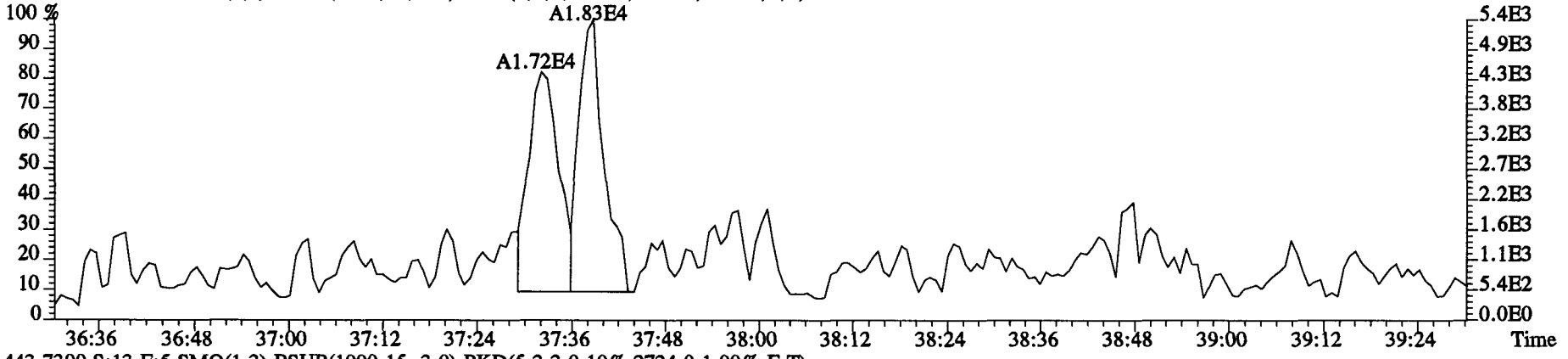
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES



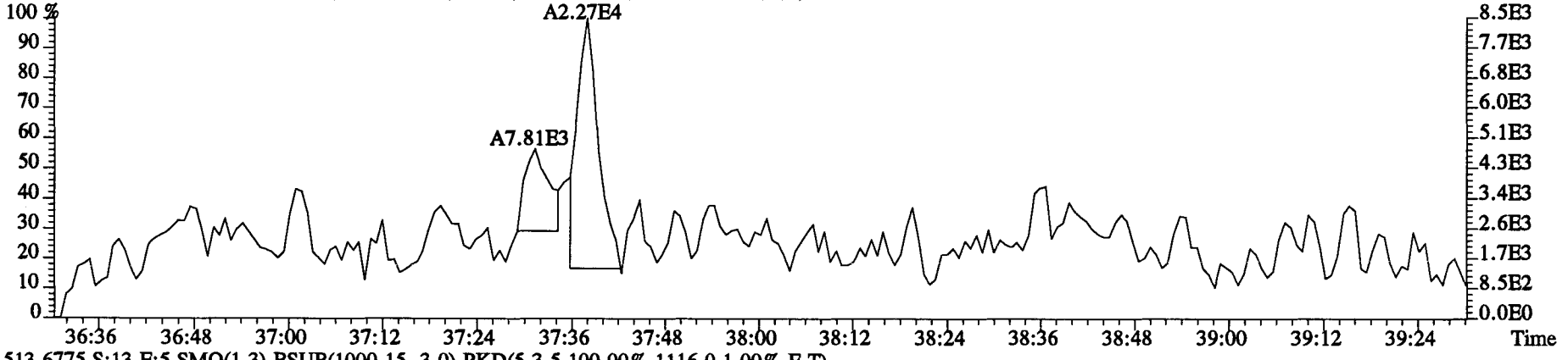
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES



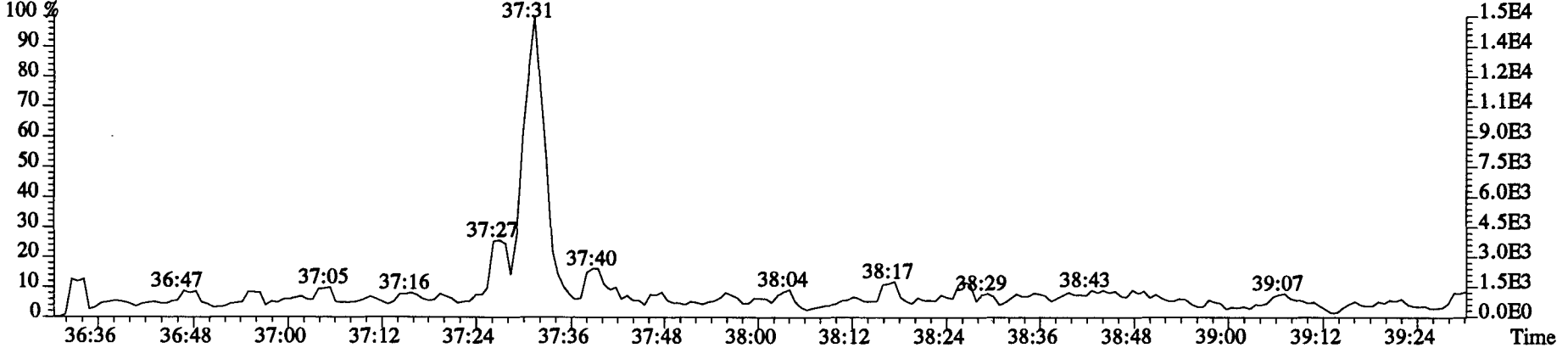
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES
441.7428 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1164.0,1.00%,F,T)



443.7399 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2724.0,1.00%,F,T)

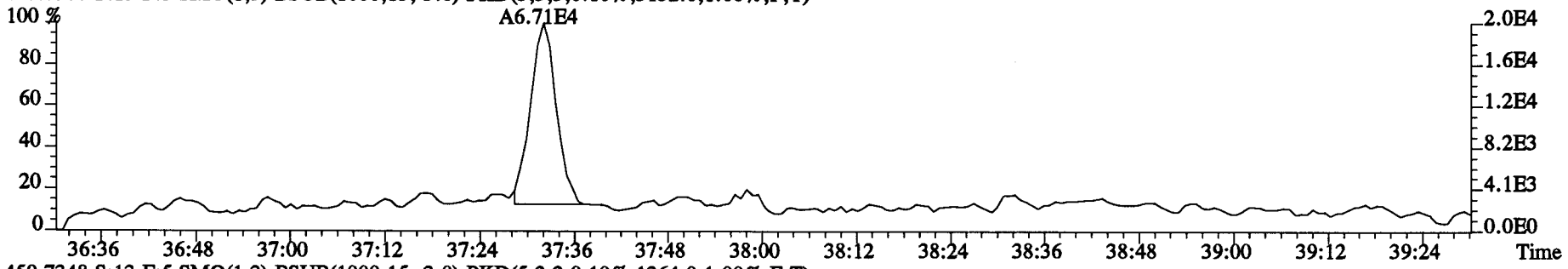


513.6775 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1116.0,1.00%,F,T)

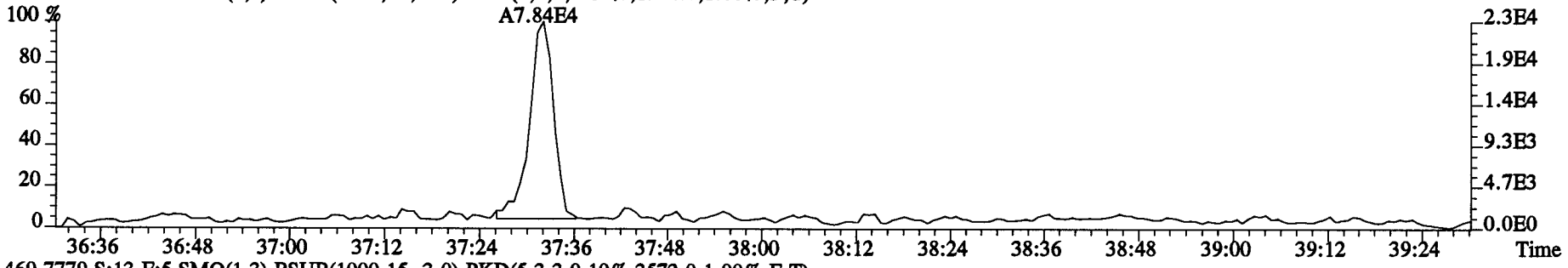


File:14DE10A9D5 #1-243 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES

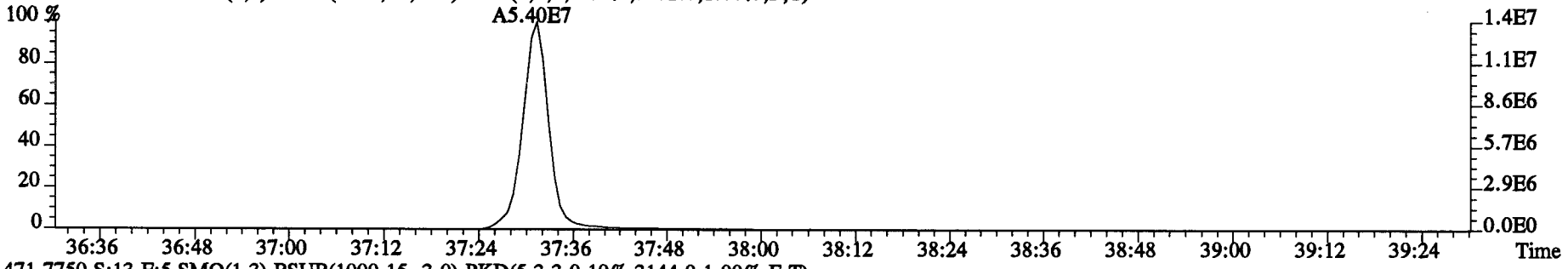
457.7377 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3152.0,1.00%,F,T)



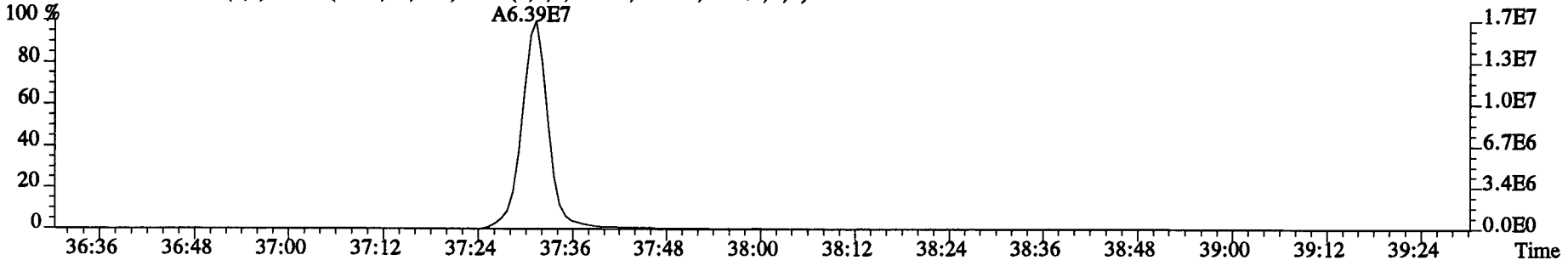
459.7348 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1364.0,1.00%,F,T)



469.7779 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3572.0,1.00%,F,T)

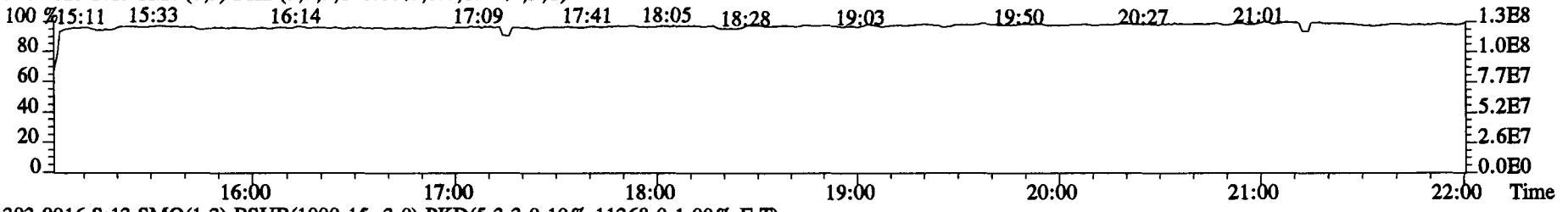


471.7750 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3144.0,1.00%,F,T)

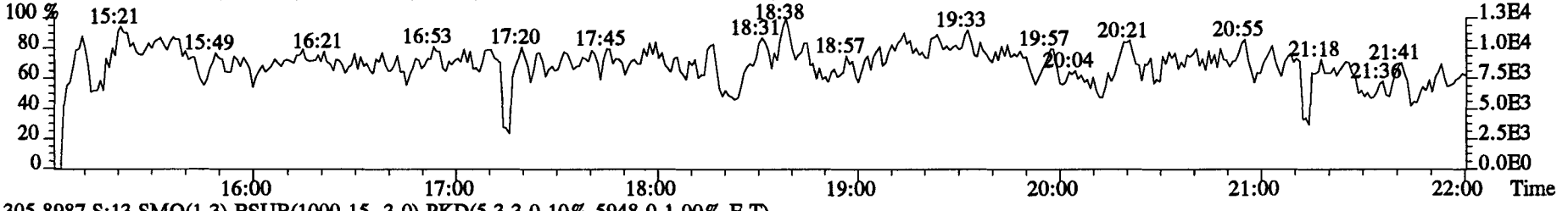


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES

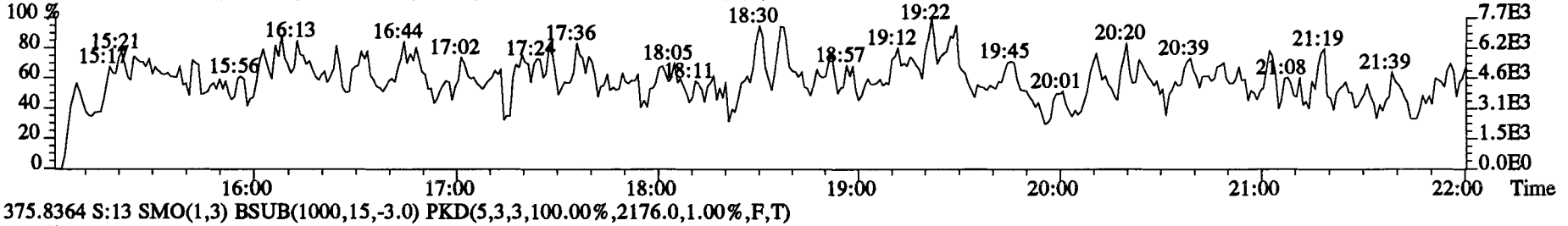
292.9825 S:13 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



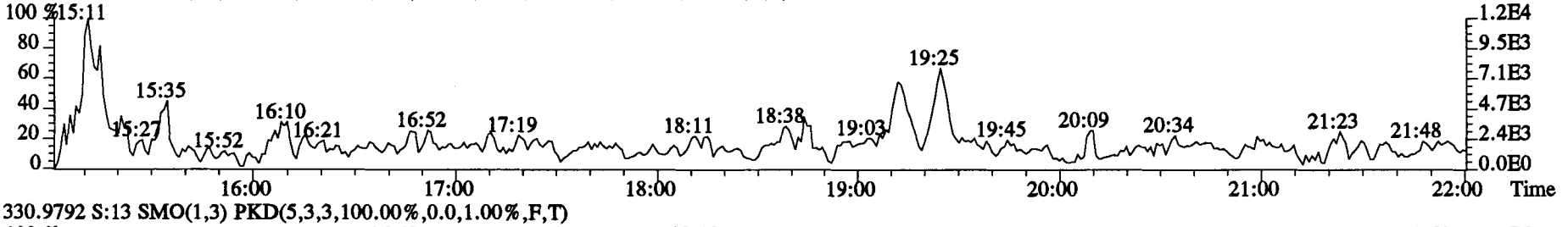
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11368.0,1.00%,F,T)



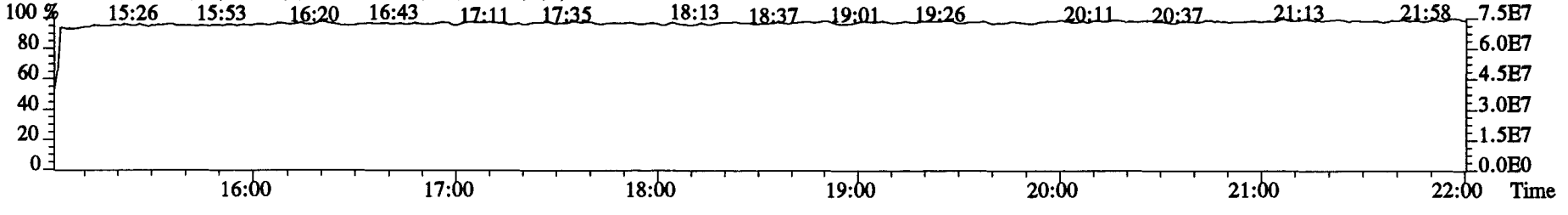
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5948.0,1.00%,F,T)



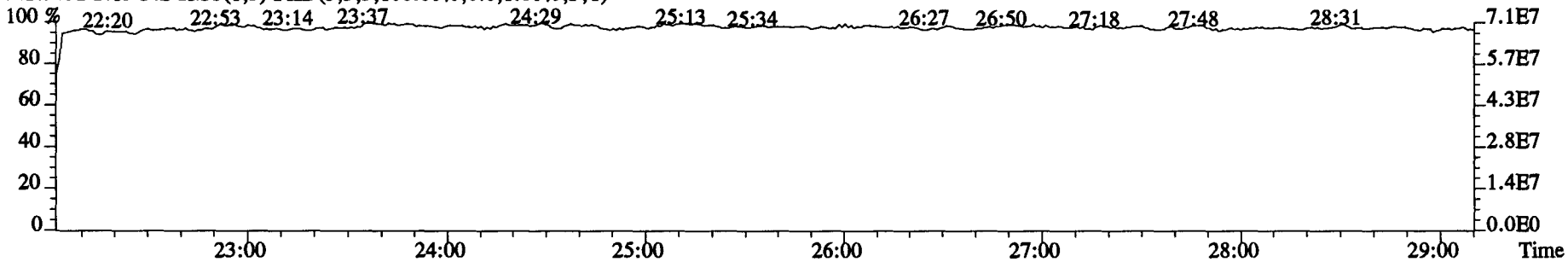
375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2176.0,1.00%,F,T)



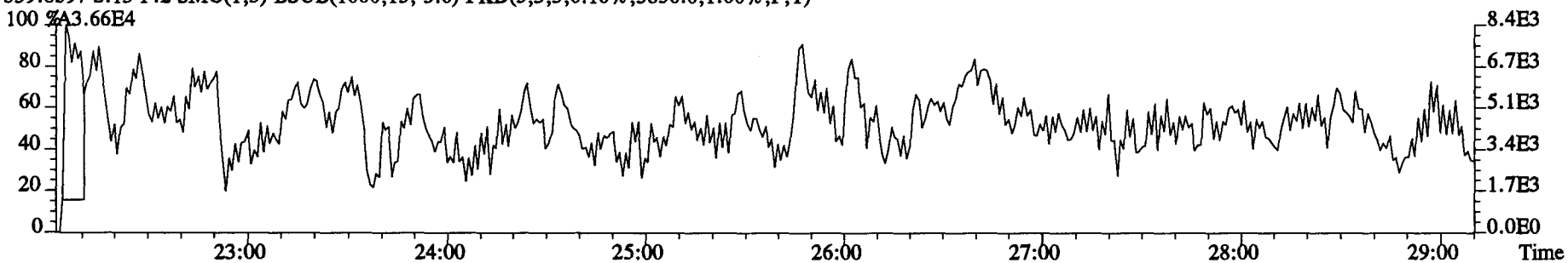
330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



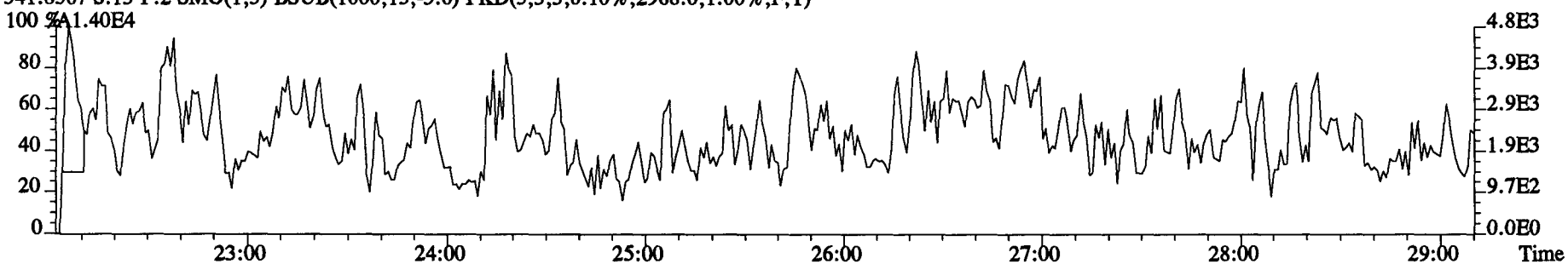
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES
342.9792 S:13 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



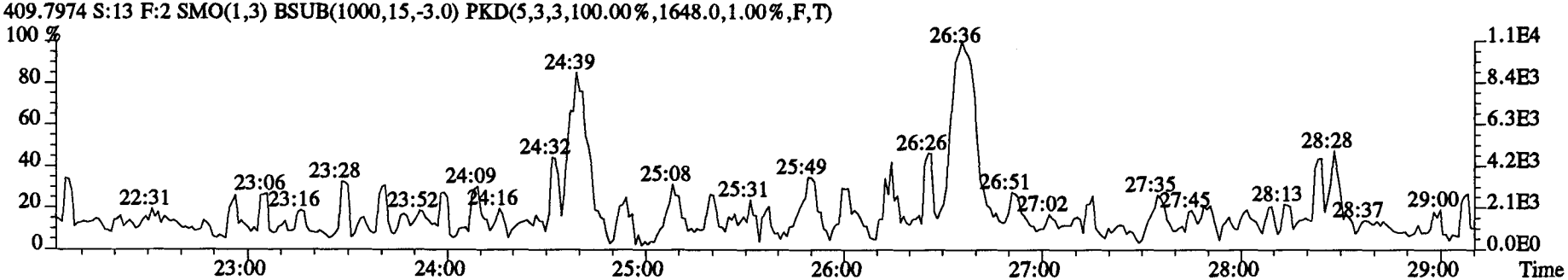
339.8597 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5856.0,1.00%,F,T)



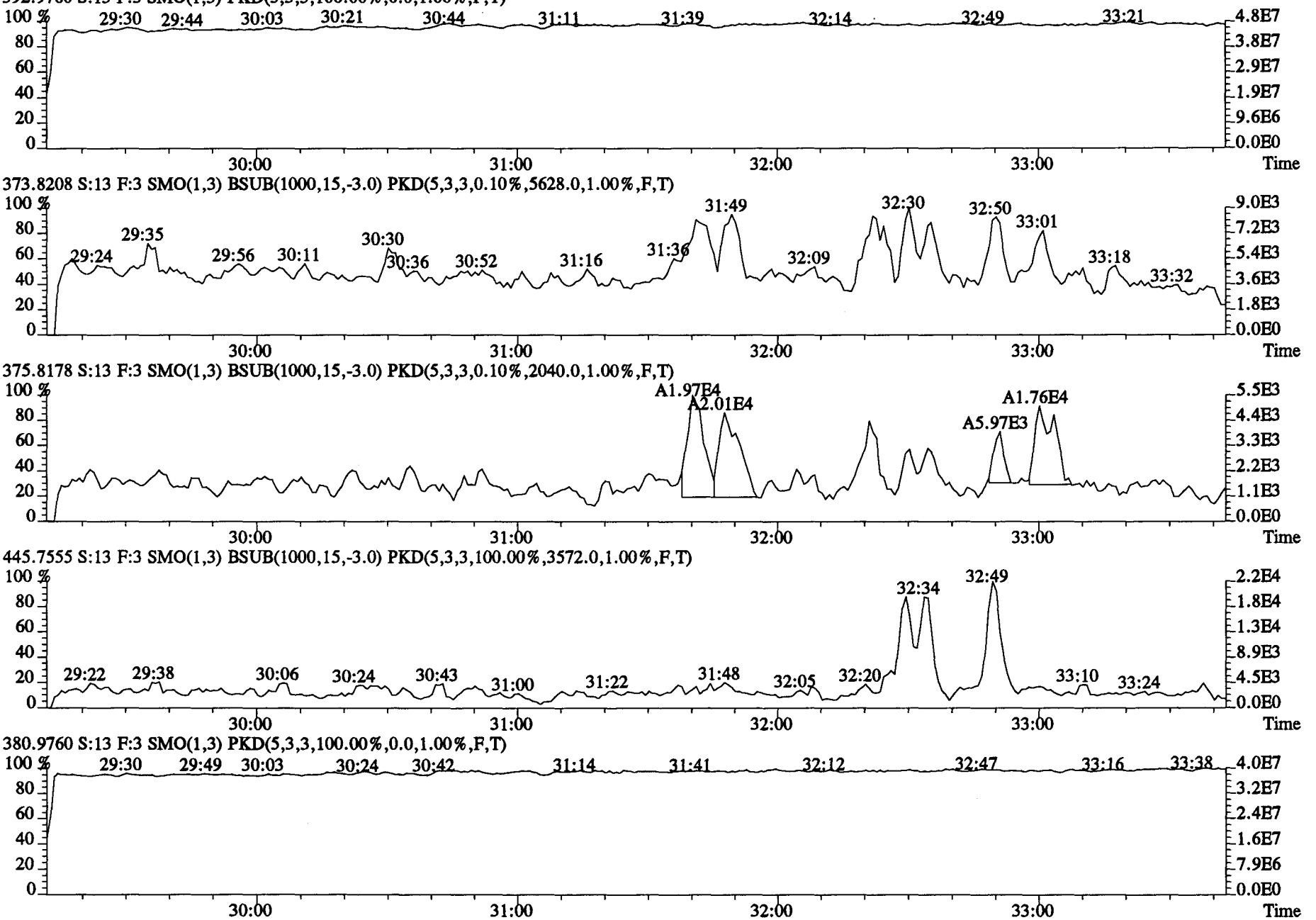
341.8567 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2968.0,1.00%,F,T)



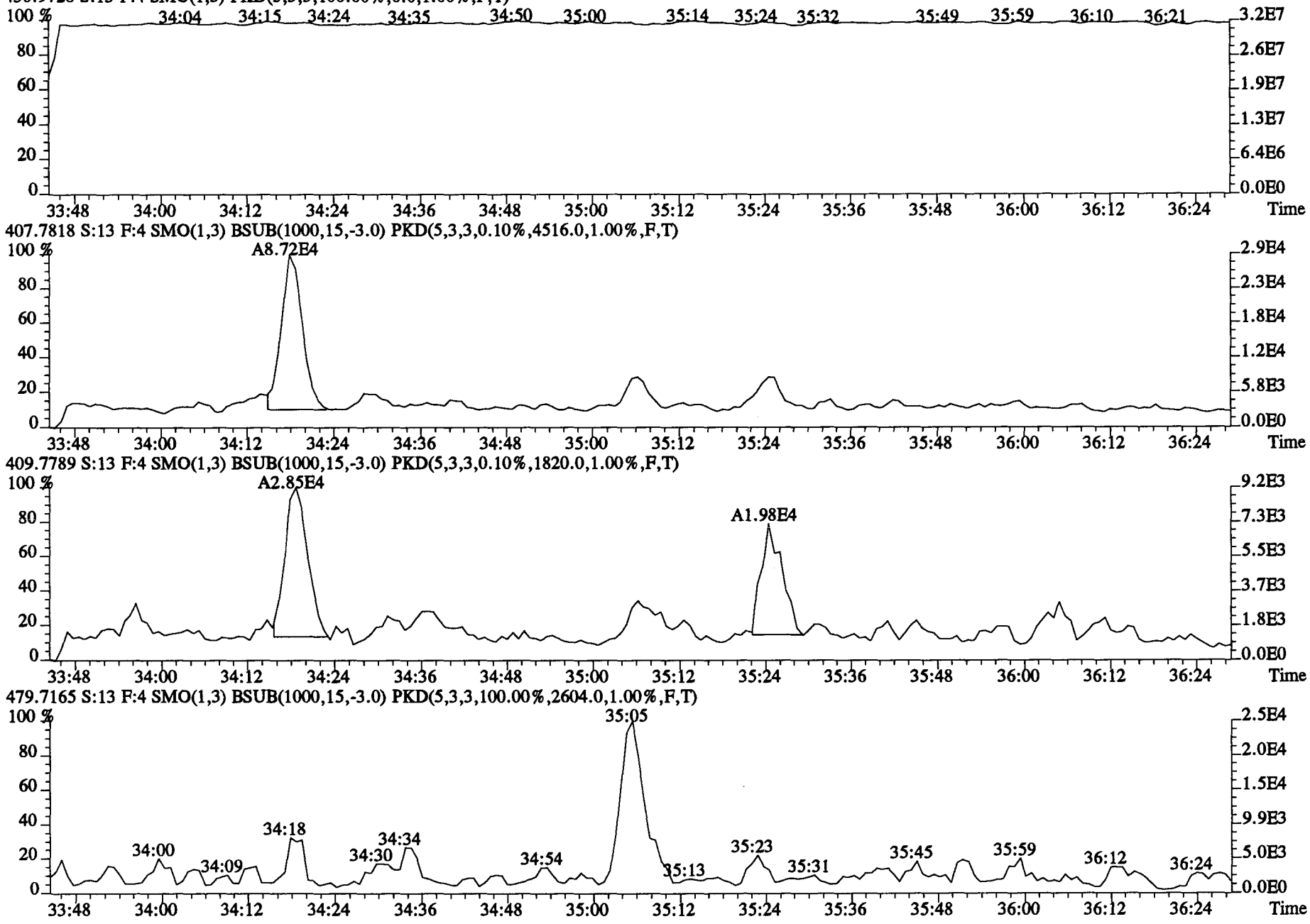
409.7974 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1648.0,1.00%,F,T)



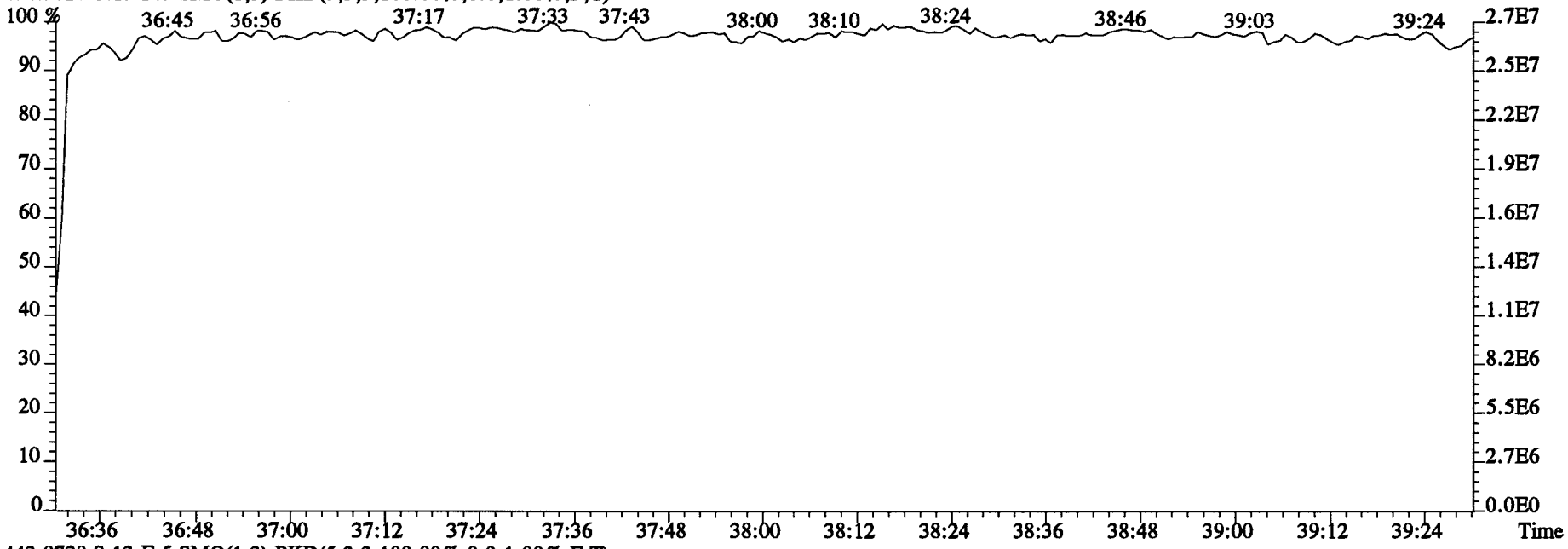
File:14DE10A9D5 #1-326 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES



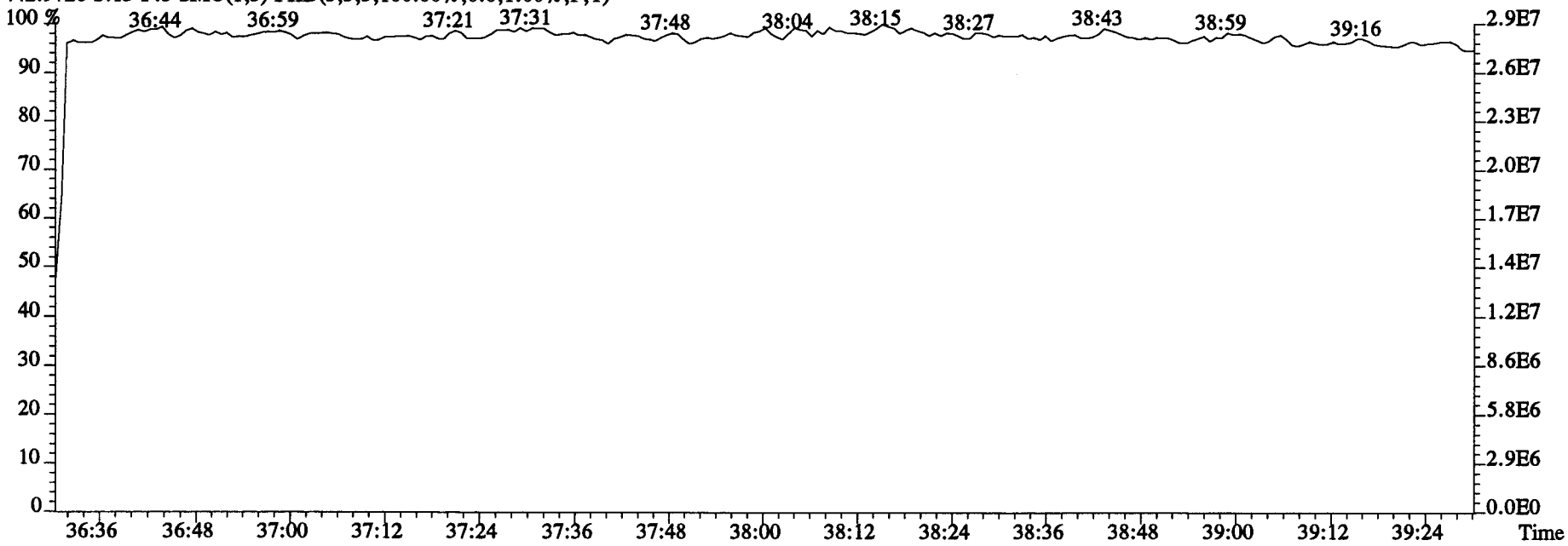
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES



File:14DE10A9D5 #1-243 Acq:14-DEC-2010 23:44:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 Text:MAXT5-1-AA :G0L040465-9MB Exp:DIOXINRES
454.9728 S:13 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:13 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



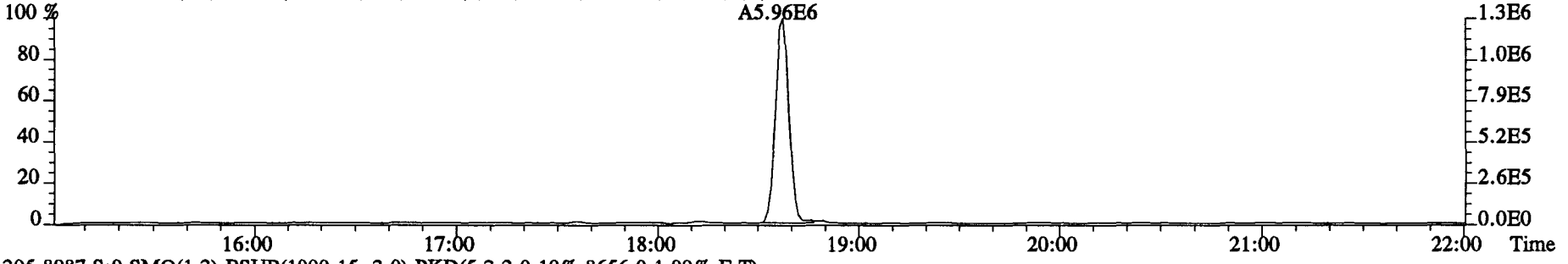
Run text: MAXT5-1-AC Sample text: MAXT5-1-AC :G0L040465-9LCS
Run #7 Filename: 14DE10A9D5 S: 9 I: 1 Results: 14DE10A9D5TO9
Acquired: 14-DEC-10 20:49:18 Processed: 15-DEC-10 10:53:05
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

12-15-10

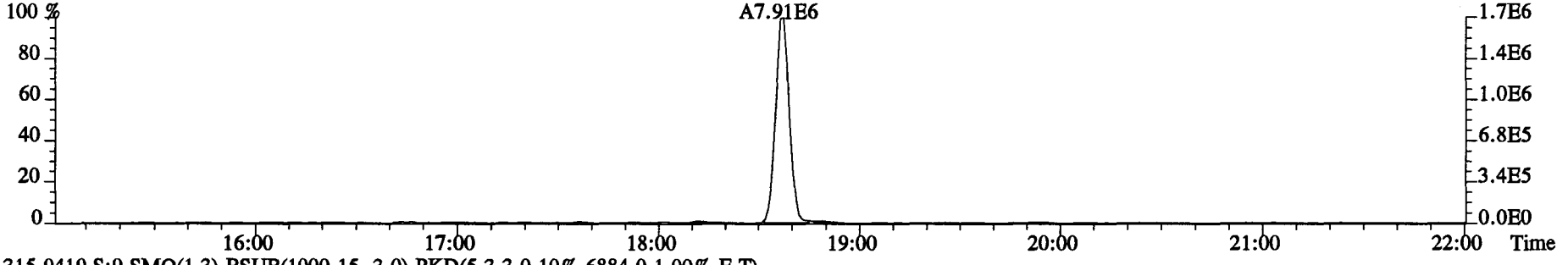
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	142532400	0.76	y	19:12	-	180.651	-	-	n
13C-2,3,7,8-TCDF	146259500	0.80	y	18:36	1.11	3684.667	4.770	92.1	n
2,3,7,8-TCDF	13870100	0.75	y	18:38	0.88	429.633✓	10.723	-	n
Total TCDF	13870100	0.75	y	18:38	0.88	429.633	10.723	-	n
13C-2,3,7,8-TCDD	132972400	0.76	y	19:24	0.97	3839.295	11.867	96.0	n
2,3,7,8-TCDD	11831340	0.76	y	19:25	0.87	408.355✓	4.803	-	n
Total TCDD	11927727	2.16	n	18:36	0.87	411.682	4.803	-	n
37Cl-2,3,7,8-TCDD	134441	1.00	y	19:25	1.22	3.305	2.876	0.2	n
13C-1,2,3,7,8-PeCDF	121540000	1.50	y	24:16	0.92	3703.379	4.841	92.6	n
1,2,3,7,8-PeCDF	67853200	1.55	y	24:18	1.06	2097.629✓	7.922	-	n
2,3,4,7,8-PeCDF	65383300	1.53	y	25:47	1.03	2094.123✓	8.207	-	n
Total F2 PeCDF	134498039	6.04	n	22:06	1.05	4231.442	8.062	-	n
Total F1 PeCDF	51296	4.46	n	19:12	1.05	1.614	7.277	-	n
13C-1,2,3,7,8-PeCDD	111562700	1.54	y	26:35	0.83	3774.875	2.787	94.4	n
1,2,3,7,8-PeCDD	46311400	1.46	y	26:37	0.79	2093.658✓	5.843	-	n
Total PeCDD	46457779	3.02	n	24:16	0.79	2100.275	5.843	-	n
13C-1,2,3,7,8,9-HxCDD	92771300	1.31	y	32:49	-	180.790	-	-	n
13C-1,2,3,4,7,8-HxCDF	87618800	0.51	y	31:39	1.07	3523.613	5.705	88.1	n
1,2,3,4,7,8-HxCDF	49446300	1.18	y	31:40	1.06	2124.008✓	7.208	-	n
1,2,3,6,7,8-HxCDF	55836900	1.21	y	31:48	1.12	2272.736✓	6.830	-	n
2,3,4,6,7,8-HxCDF	51581800	1.19	y	32:21	1.05	2246.568✓	7.308	-	n
1,2,3,7,8,9-HxCDF	46698800	1.19	y	32:59	0.95	2238.124✓	8.042	-	n
Total HxCDF	203762830	1.25	y	30:32	1.05	8890.120	7.322	-	n
13C-1,2,3,6,7,8-HxCDD	76173700	1.28	y	32:34	0.89	3698.346	10.359	92.5	n
1,2,3,4,7,8-HxCDD	45853400	1.18	y	32:29	1.11	2162.179✓	2.566	-	n
1,2,3,6,7,8-HxCDD	46129300	1.22	y	32:34	1.16	2089.460✓	2.465	-	n
1,2,3,7,8,9-HxCDD	49389500	1.20	y	32:49	1.20	2158.308✓	2.378	-	n
Total HxCDD	141516361	3.06	n	31:39	1.16	6416.483	2.468	-	n
13C-1,2,3,4,6,7,8-HpCDF	86043300	0.44	y	34:17	0.95	3913.071	7.062	97.8	n
1,2,3,4,6,7,8-HpCDF	63739300	1.01	y	34:18	1.44	2064.559✓	4.178	-	n
1,2,3,4,7,8,9-HpCDF	54674700	1.03	y	35:24	1.23	2072.063✓	4.888	-	n
Total HpCDF	119585598	1.01	y	34:18	1.33	4177.543	4.505	-	n
13C-1,2,3,4,6,7,8-HpCDD	99514500	1.00	y	35:05	1.08	3990.127	8.589	99.8	n
1,2,3,4,6,7,8-HpCDD	45713000	1.02	y	35:05	0.90	2052.306✓	2.265	-	n
Total HpCDD	46550099	3.36	n	34:17	0.90	2089.888	2.265	-	n
13C-OCDD	120220500	0.85	y	37:31	0.69	7513.990	4.199	93.9	n
OCDF	75877100	0.87	y	37:37	1.18	4278.929✓	3.742	-	n
OCDD	74021200	0.92	y	37:31	1.14	4326.300✓	4.456	-	n

File:14DE10A9D5 #1-464 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES

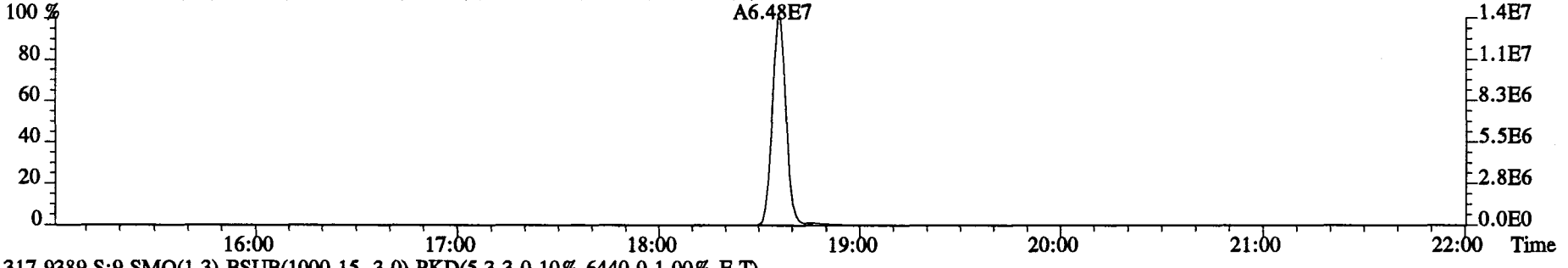
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15976.0,1.00%,F,T)



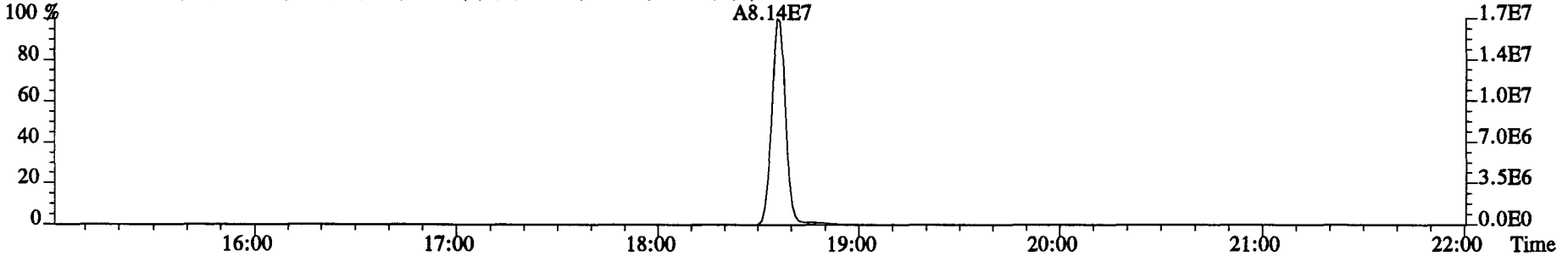
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8656.0,1.00%,F,T)



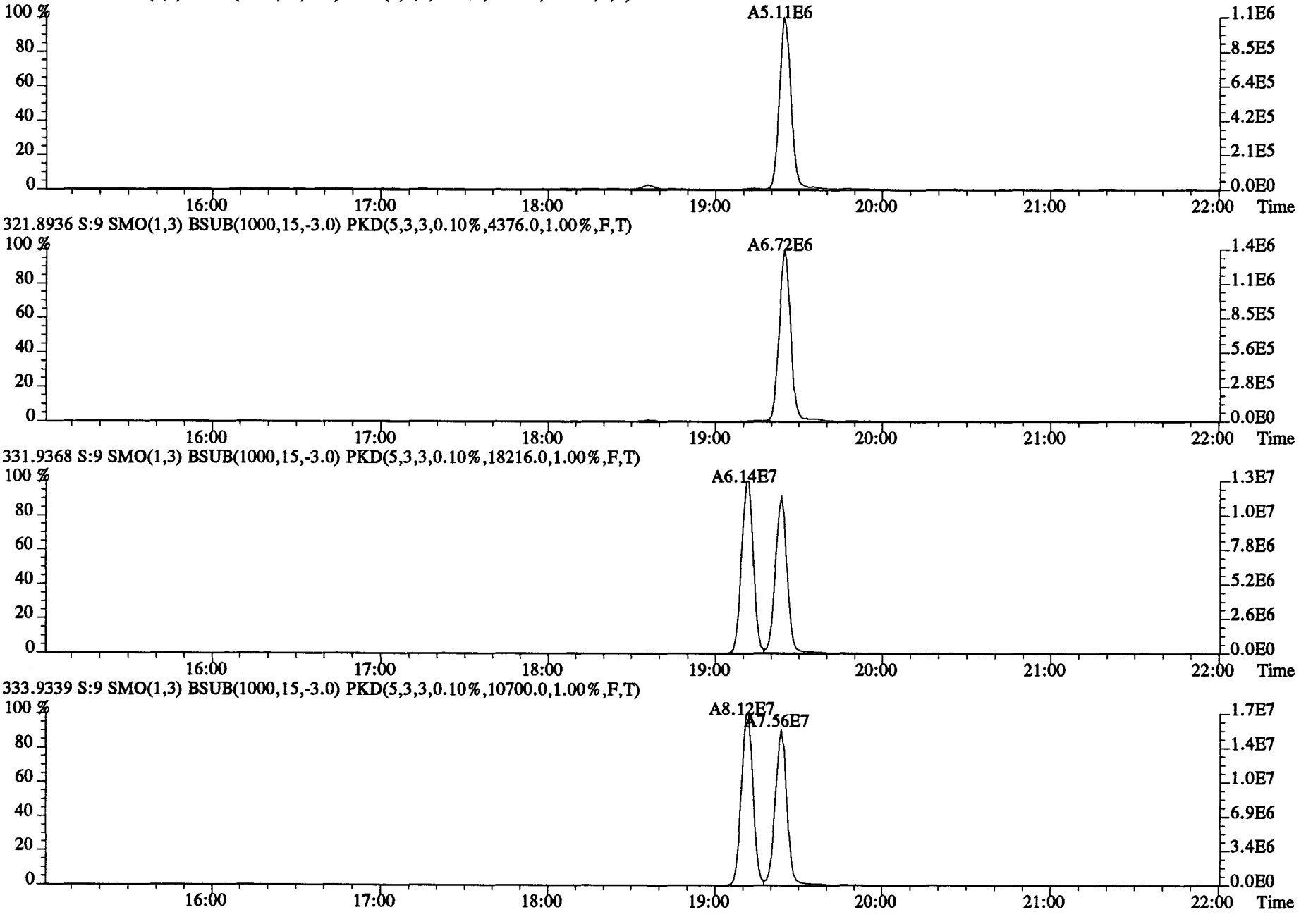
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6884.0,1.00%,F,T)



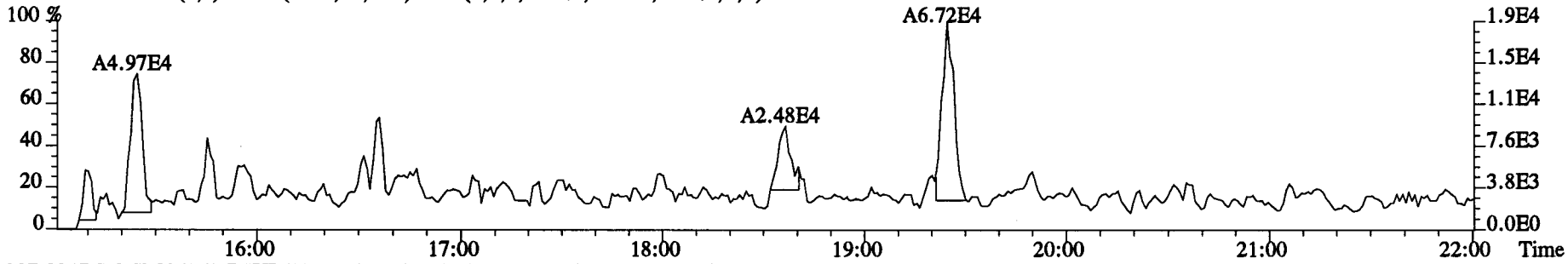
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6440.0,1.00%,F,T)



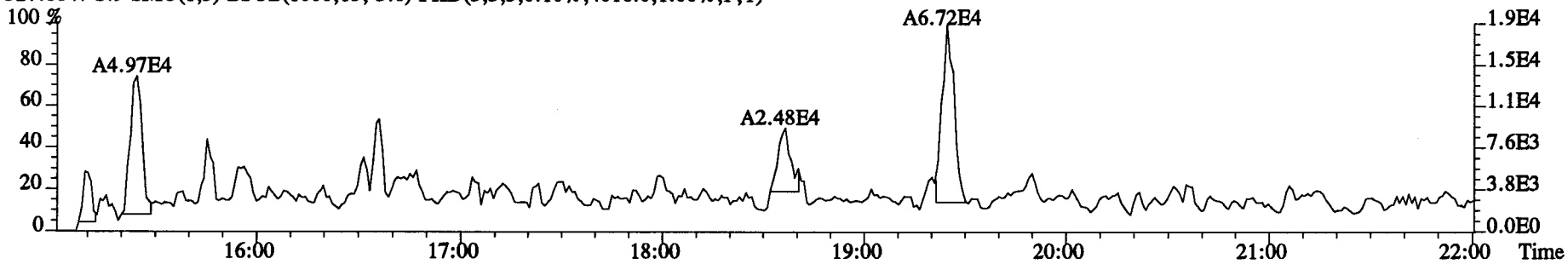
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES



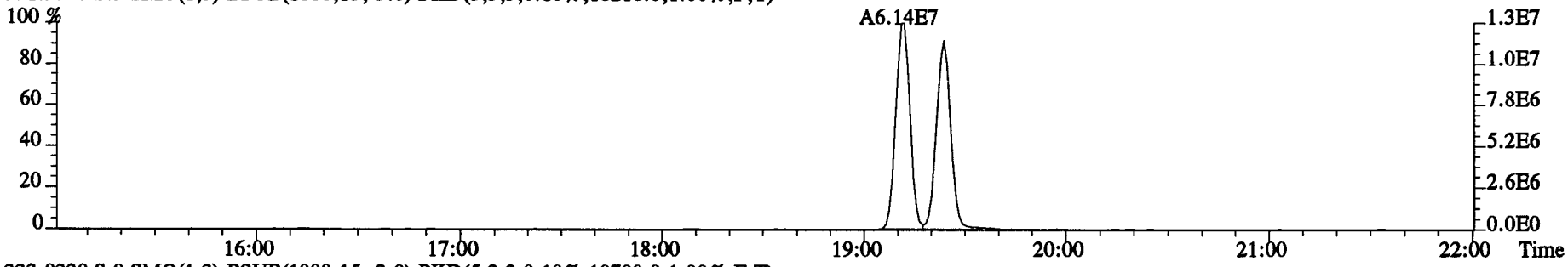
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)



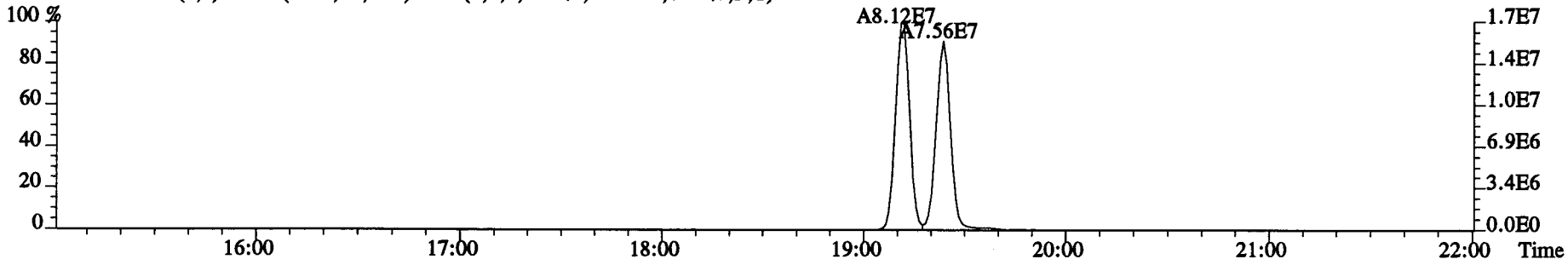
327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4016.0,1.00%,F,T)



331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18216.0,1.00%,F,T)

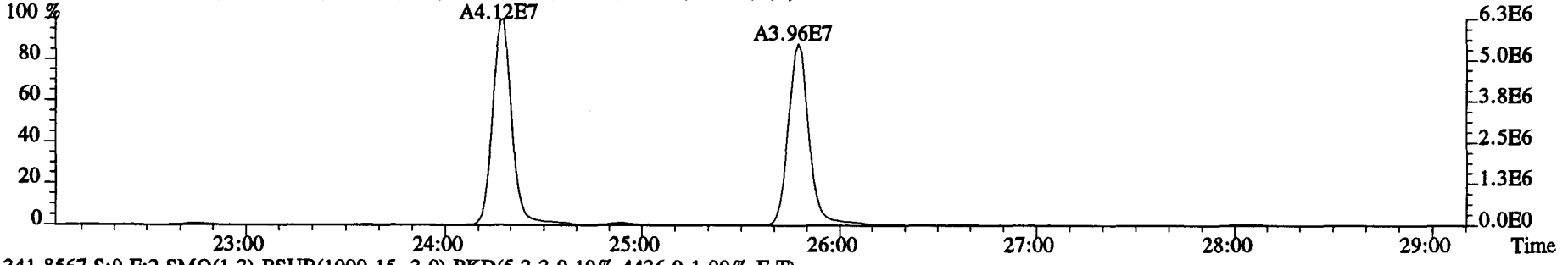


333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10700.0,1.00%,F,T)

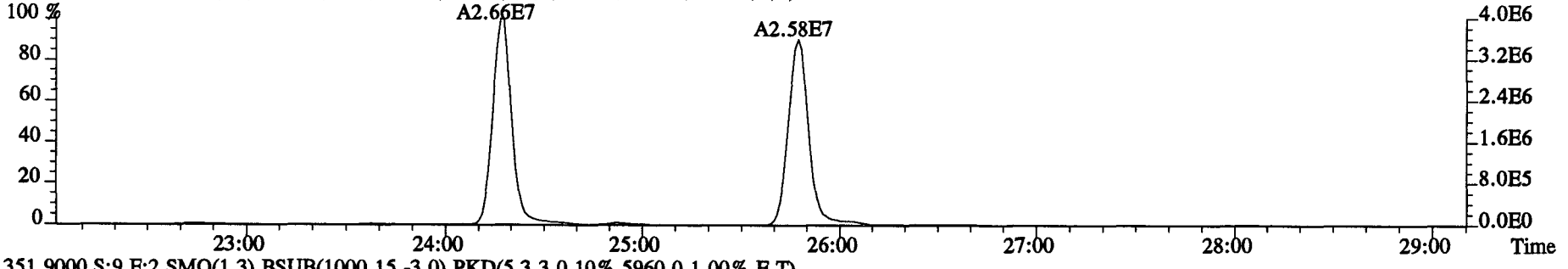


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES

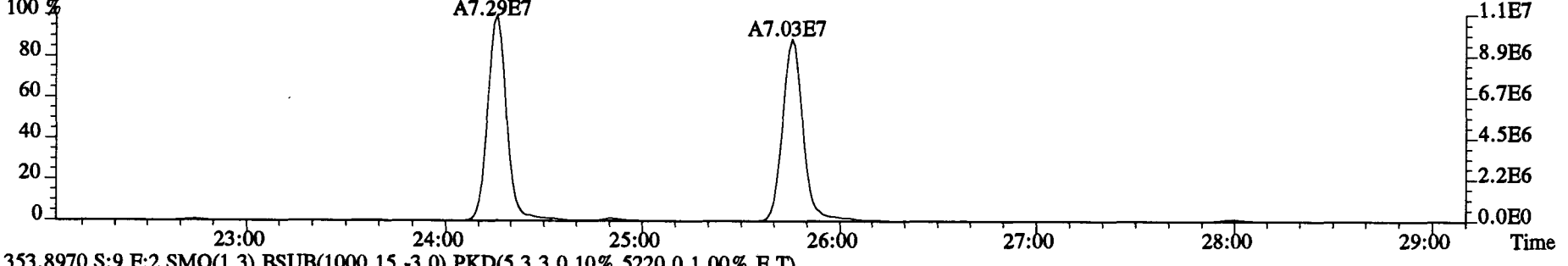
339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8540.0,1.00%,F,T)



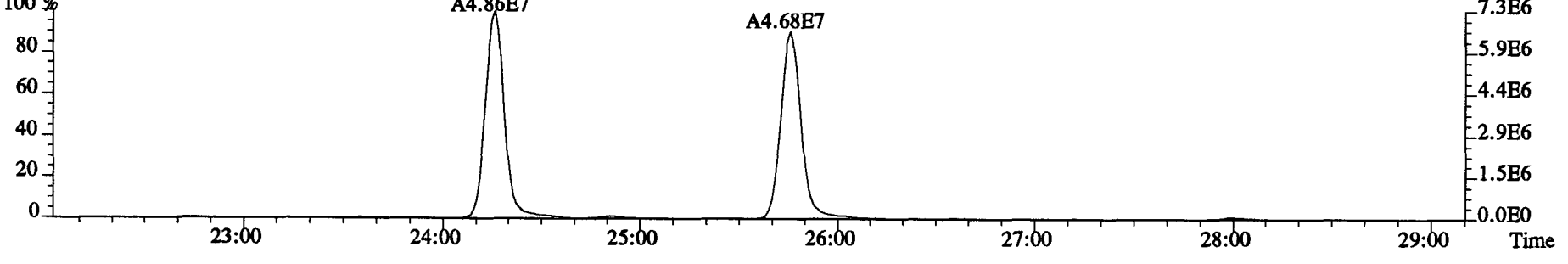
341.8567 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



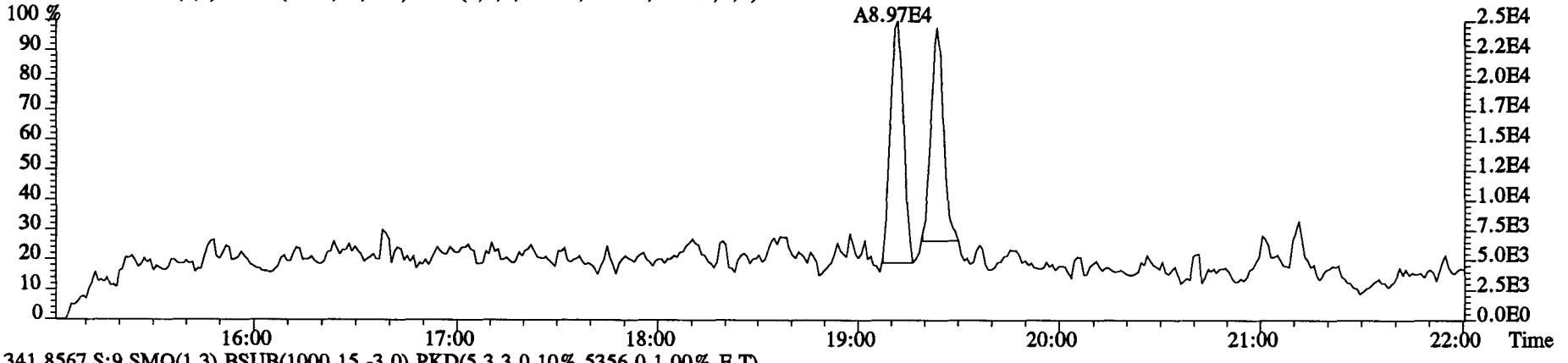
351.9000 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5960.0,1.00%,F,T)



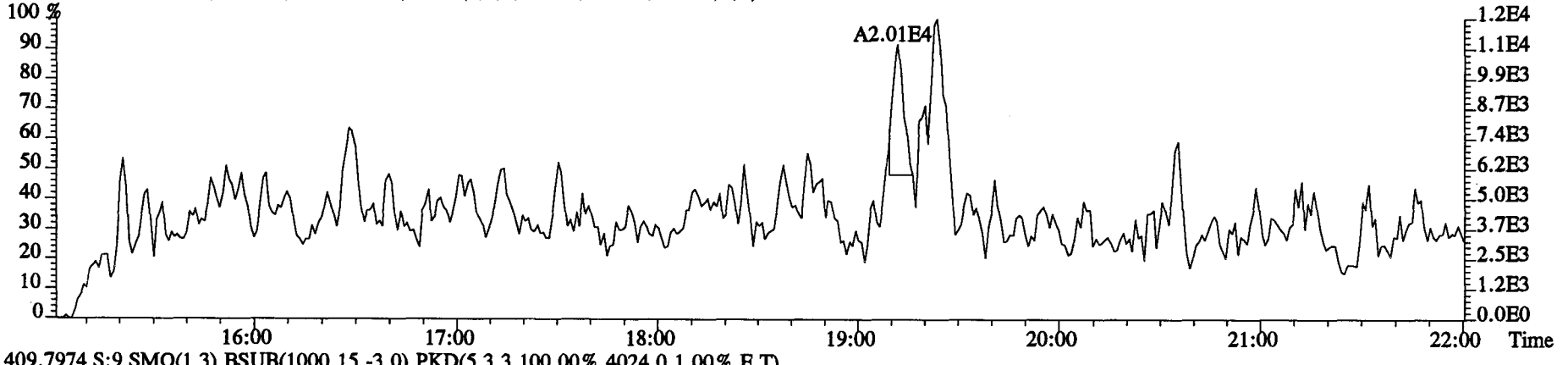
353.8970 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5220.0,1.00%,F,T)



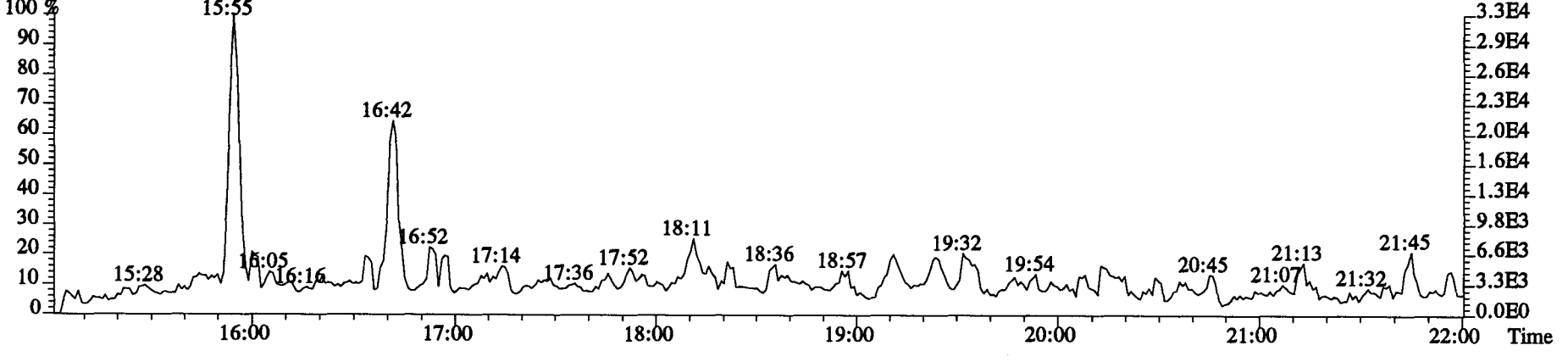
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
339.8597 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6356.0,1.00%,F,T)



341.8567 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5356.0,1.00%,F,T)

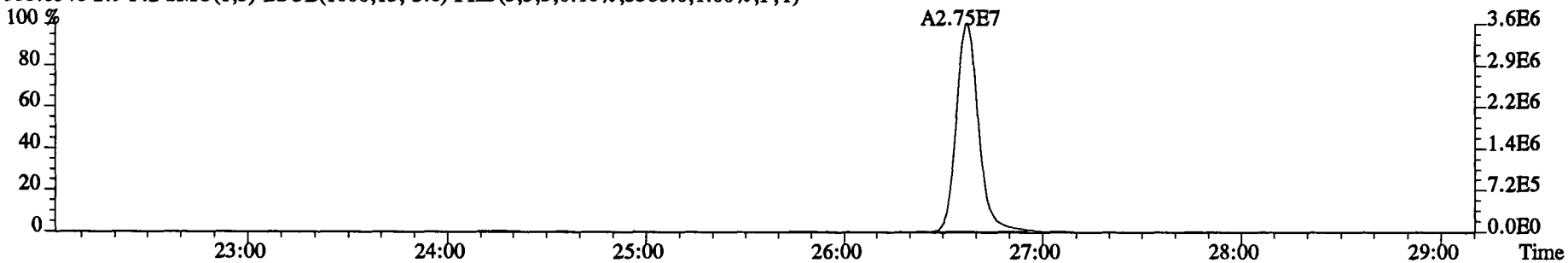


409.7974 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4024.0,1.00%,F,T)

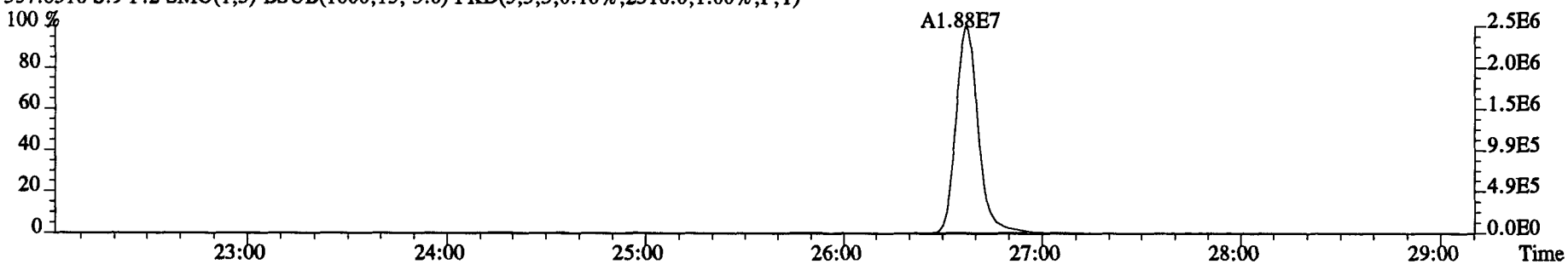


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES

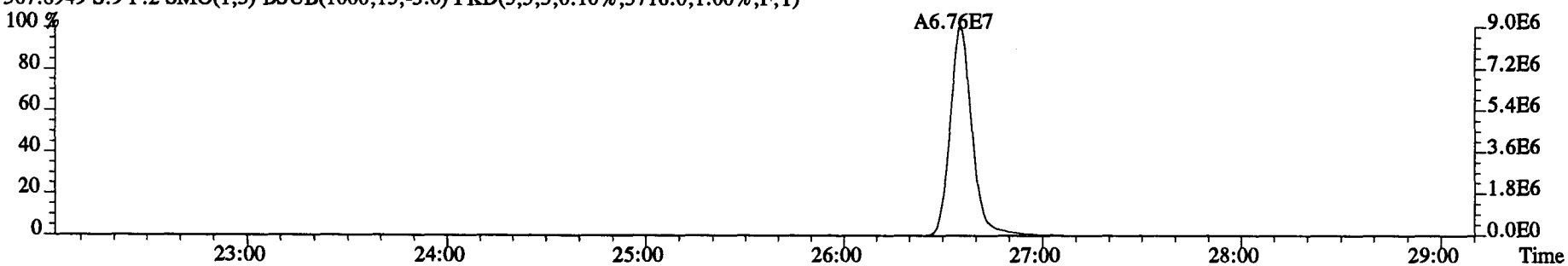
355.8546 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3380.0,1.00%,F,T)



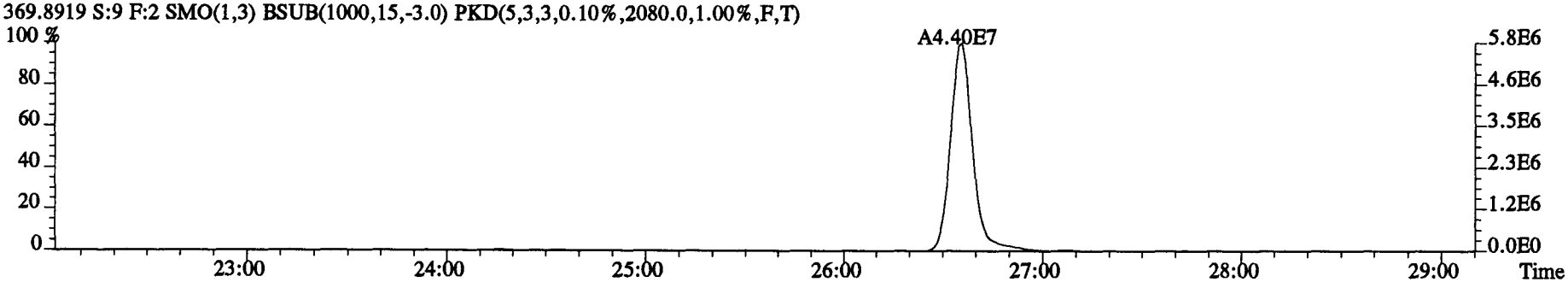
357.8516 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2316.0,1.00%,F,T)



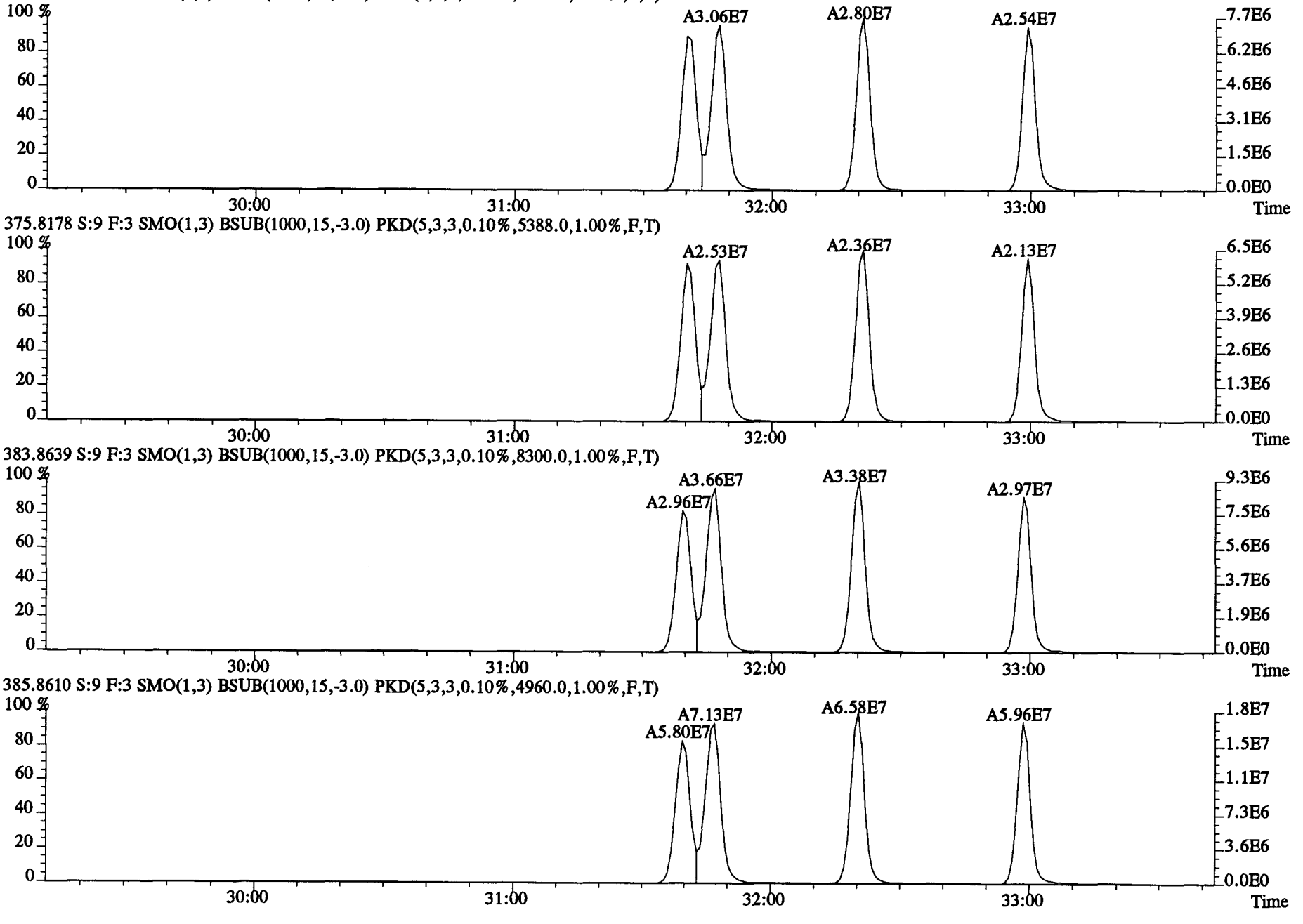
367.8949 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3716.0,1.00%,F,T)



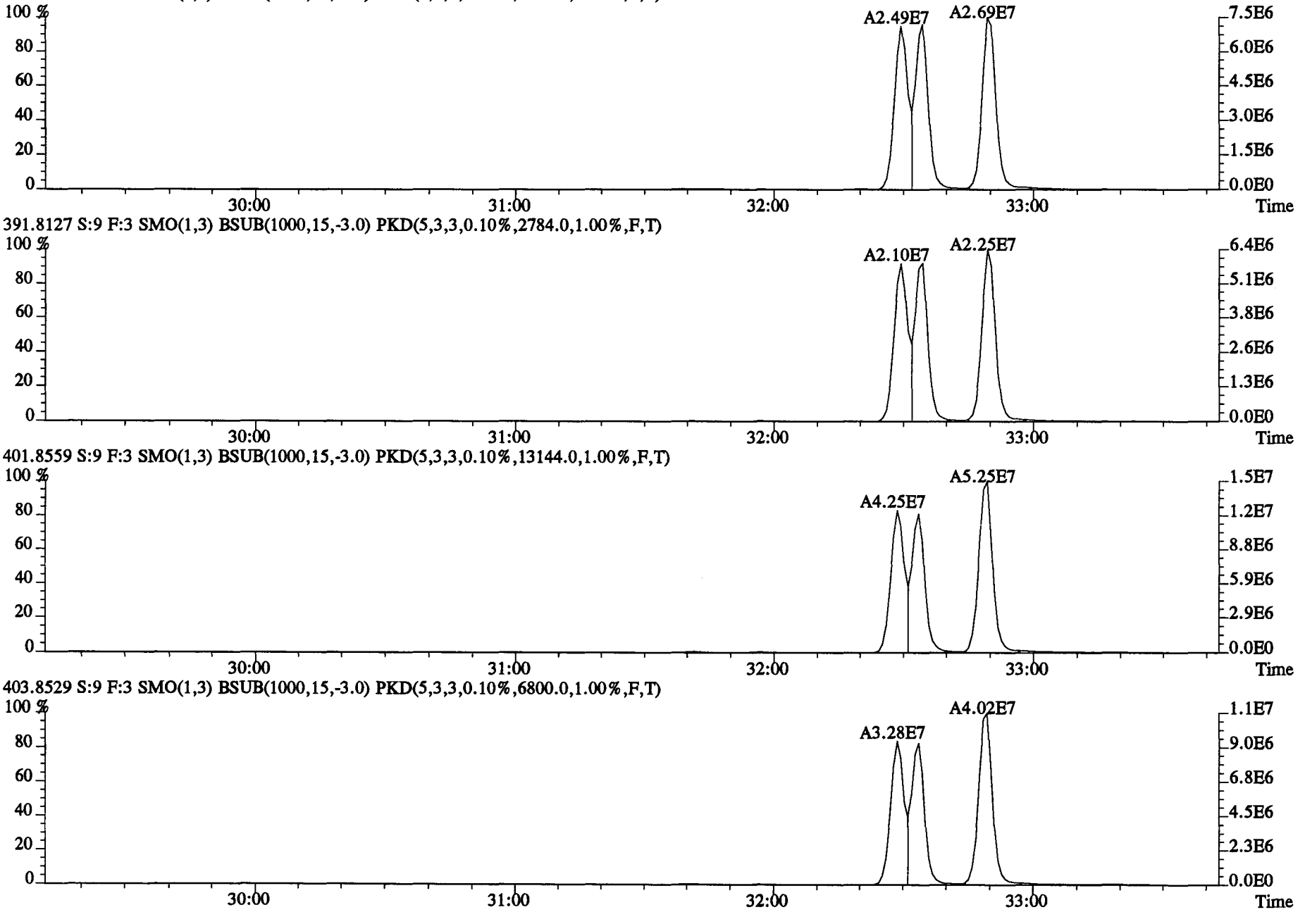
369.8919 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2080.0,1.00%,F,T)



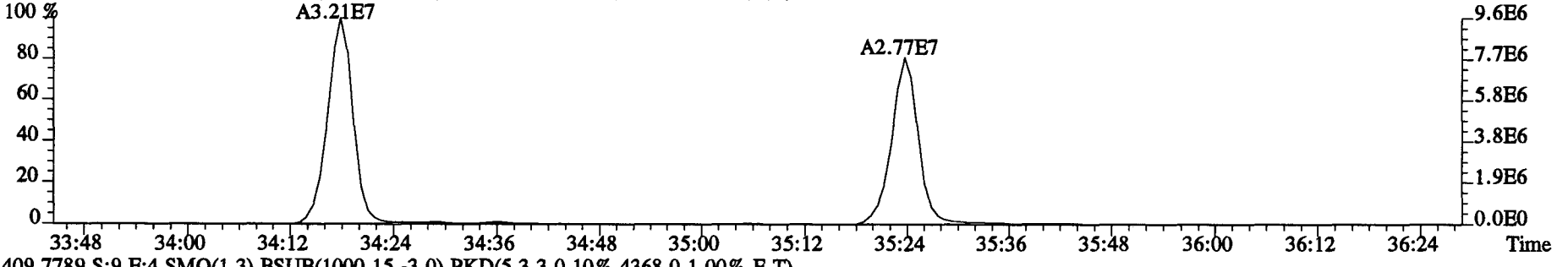
File:14DE10A9D5 #1-326 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES



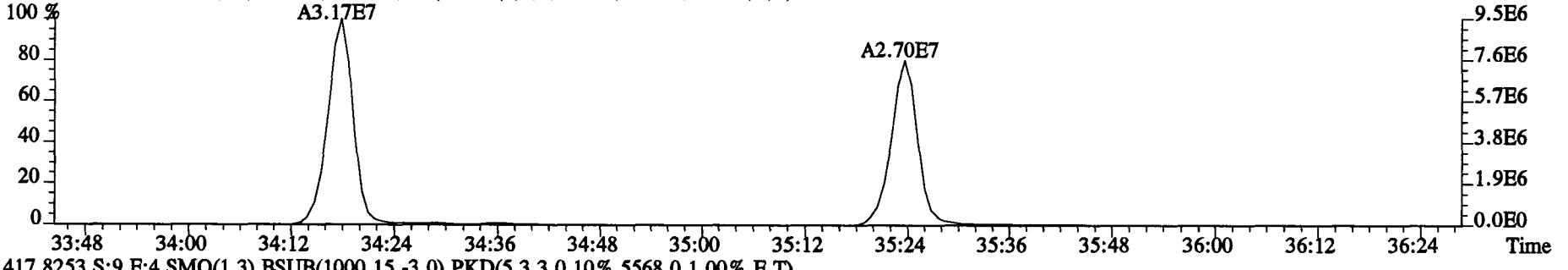
File:14DE10A9D5 #1-326 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES



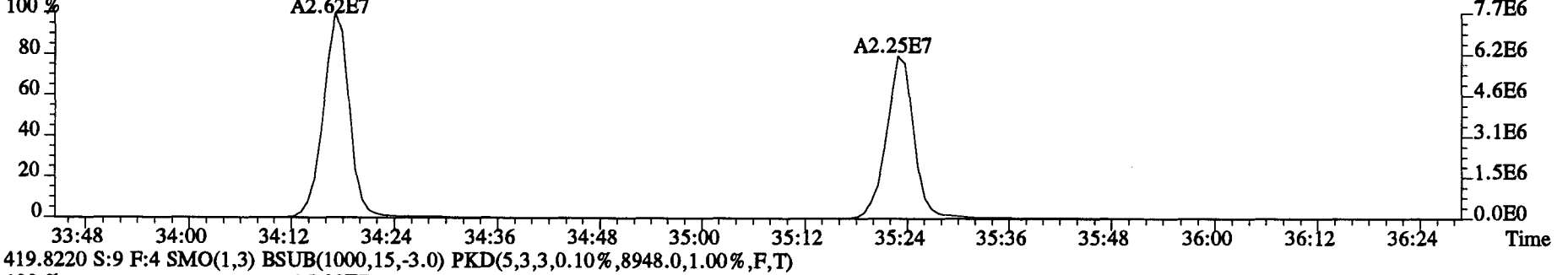
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8264.0,1.00%,F,T)



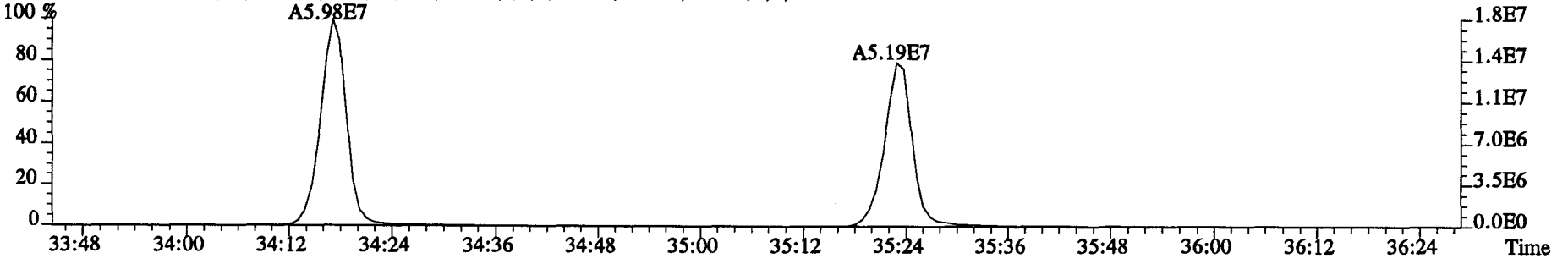
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4368.0,1.00%,F,T)



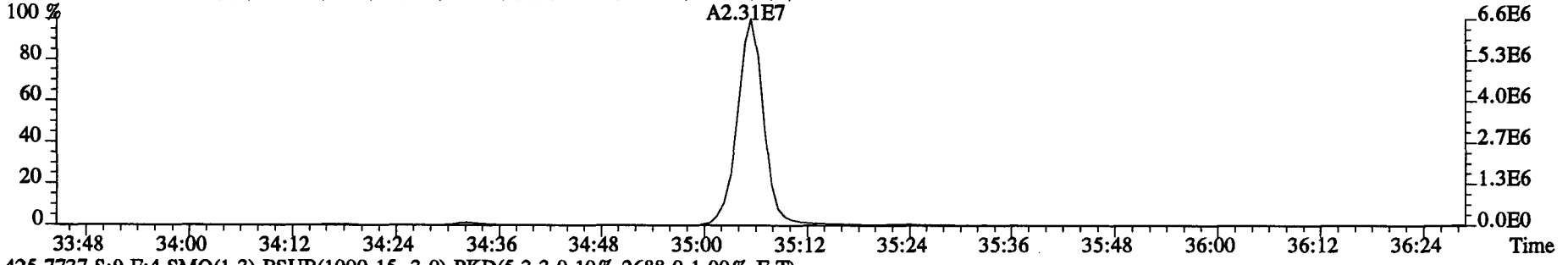
417.8253 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5568.0,1.00%,F,T)



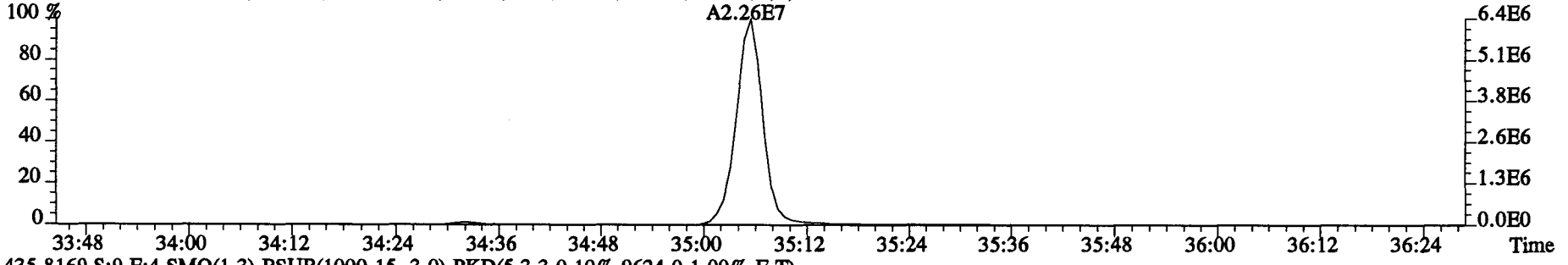
419.8220 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8948.0,1.00%,F,T)



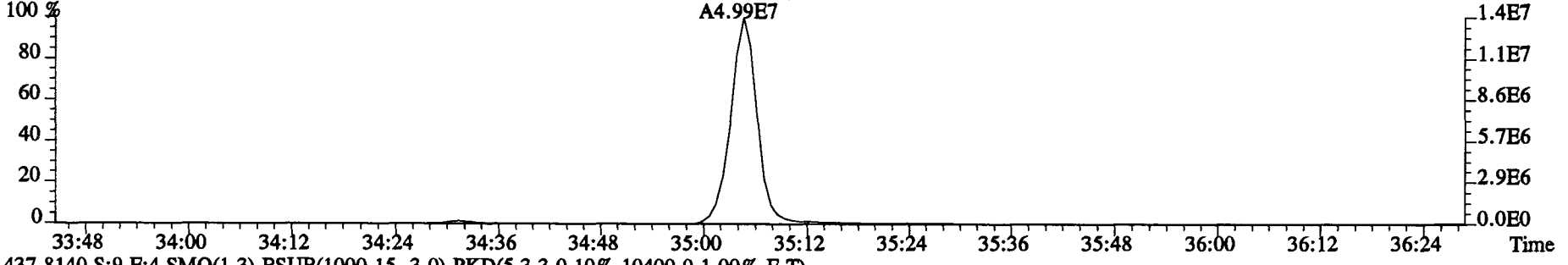
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
423.7766 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2112.0,1.00%,F,T)



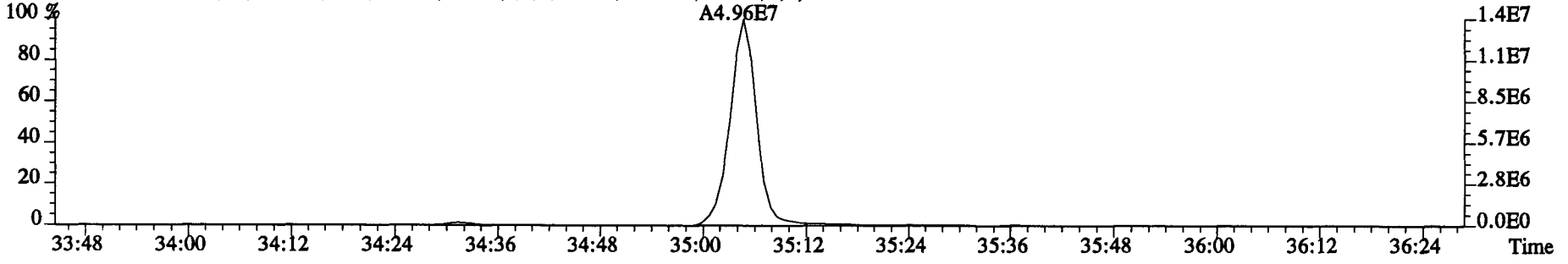
425.7737 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2688.0,1.00%,F,T)



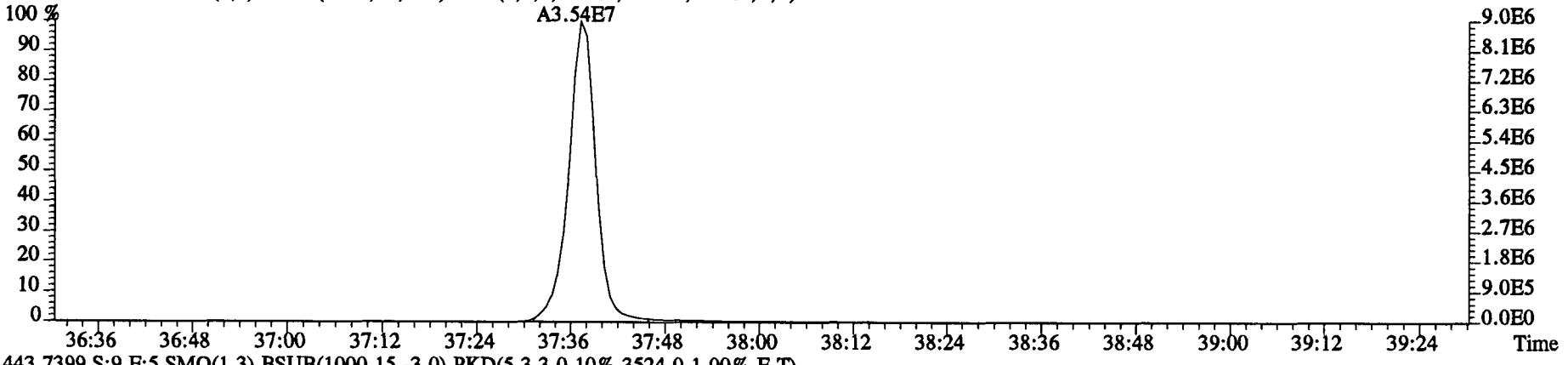
435.8169 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9624.0,1.00%,F,T)



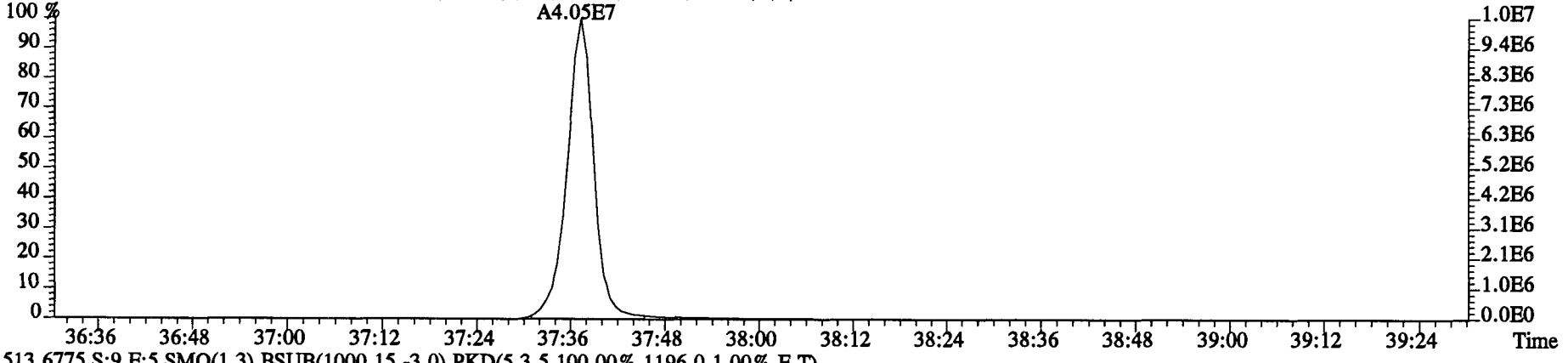
437.8140 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10400.0,1.00%,F,T)



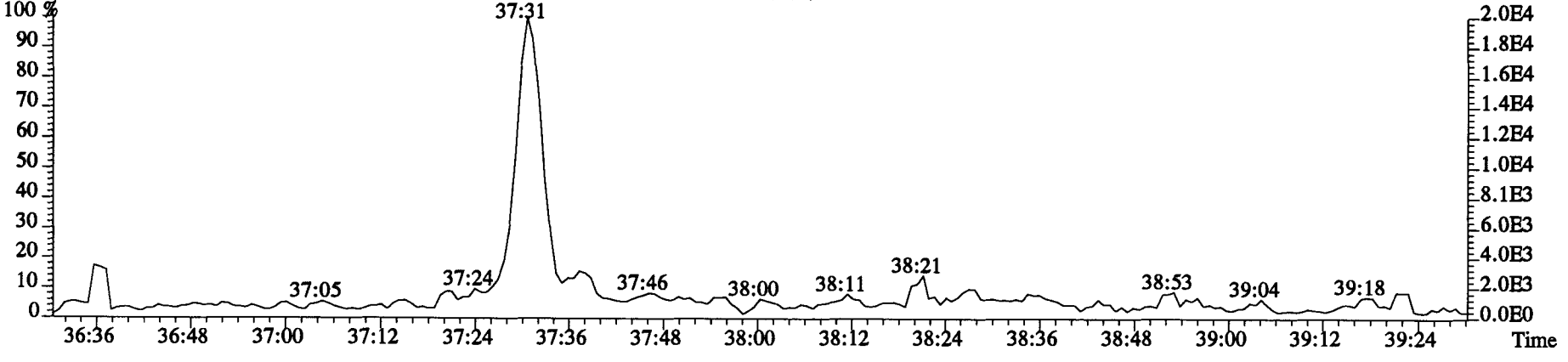
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2252.0,1.00%,F,T)



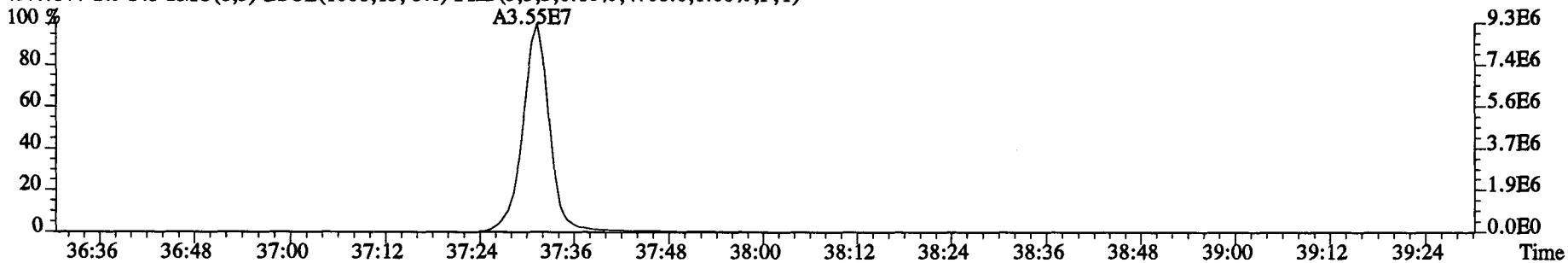
443.7399 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)



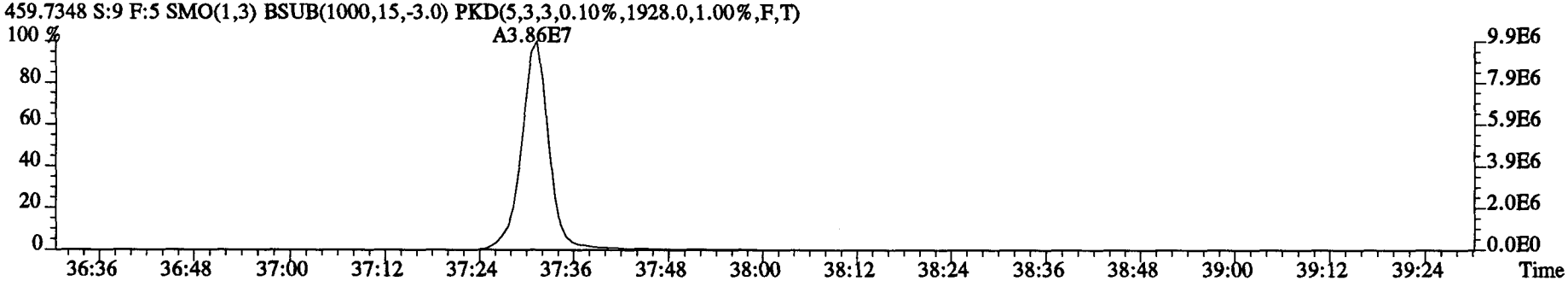
513.6775 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1196.0,1.00%,F,T)



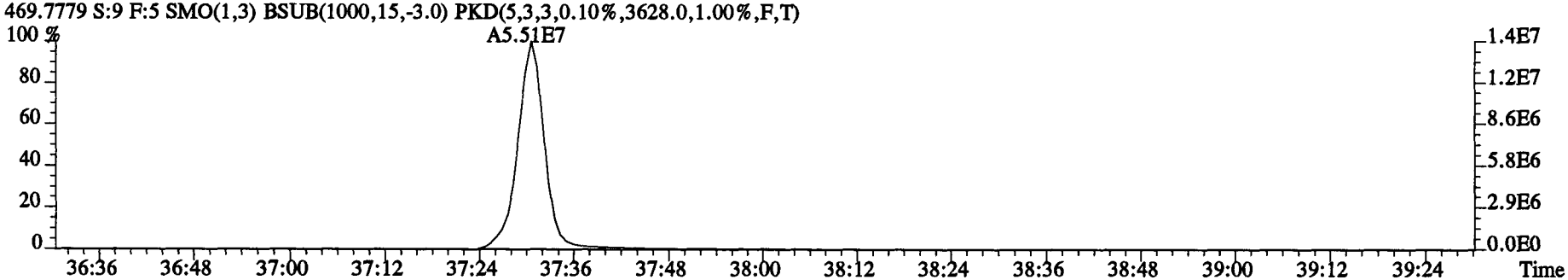
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
457.7377 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4708.0,1.00%,F,T)



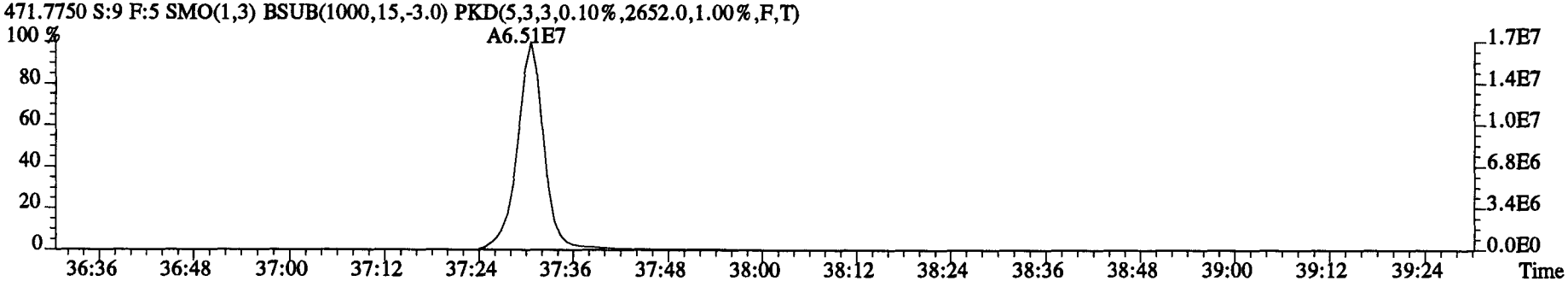
459.7348 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1928.0,1.00%,F,T)



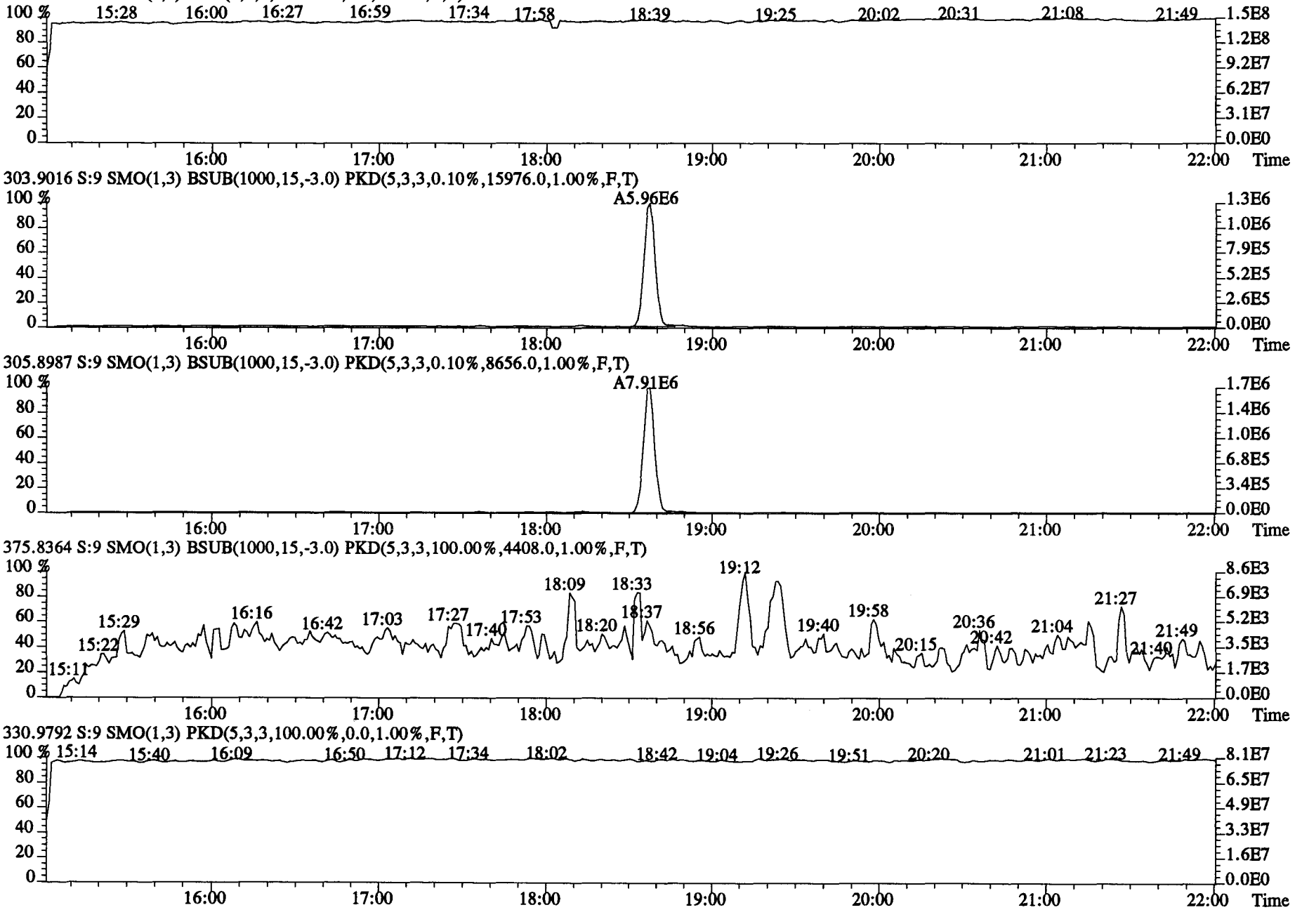
469.7779 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3628.0,1.00%,F,T)



471.7750 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2652.0,1.00%,F,T)

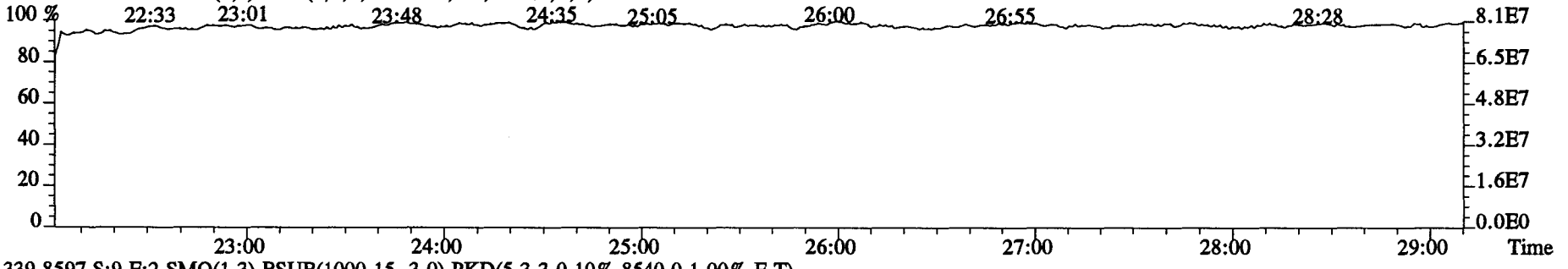


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES

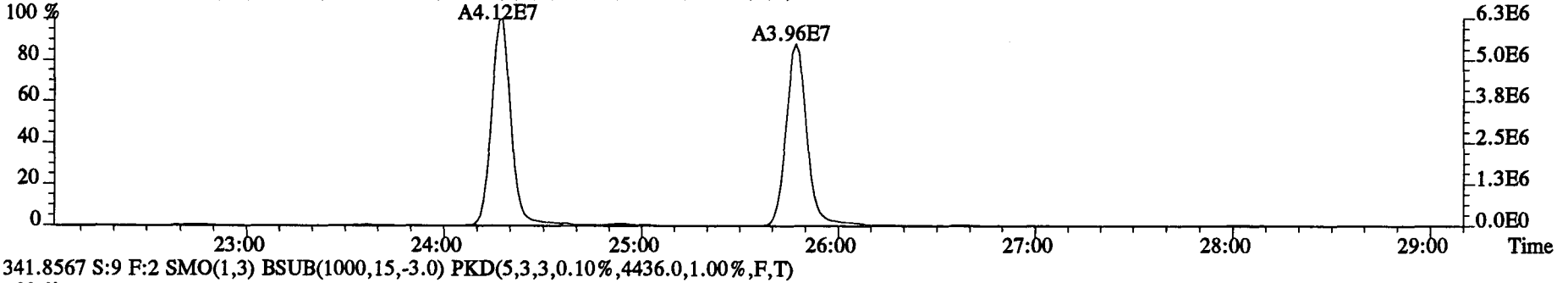


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES

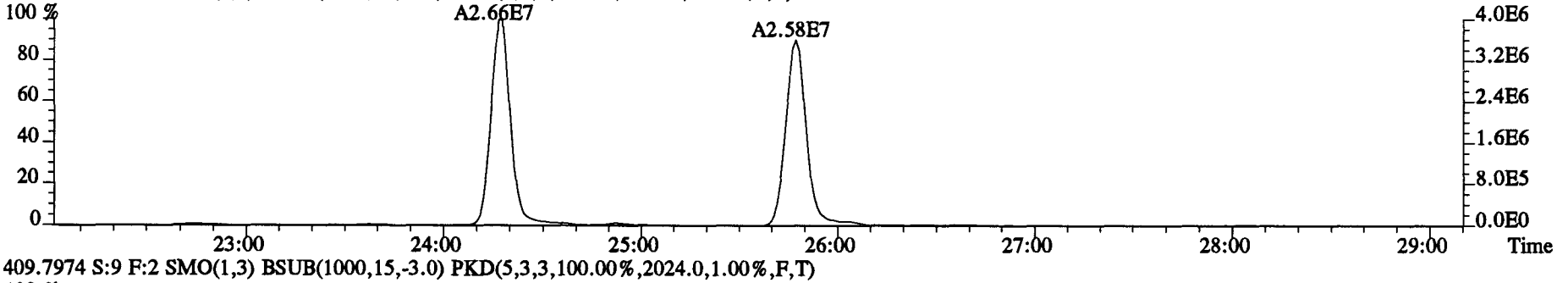
342.9792 S:9 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



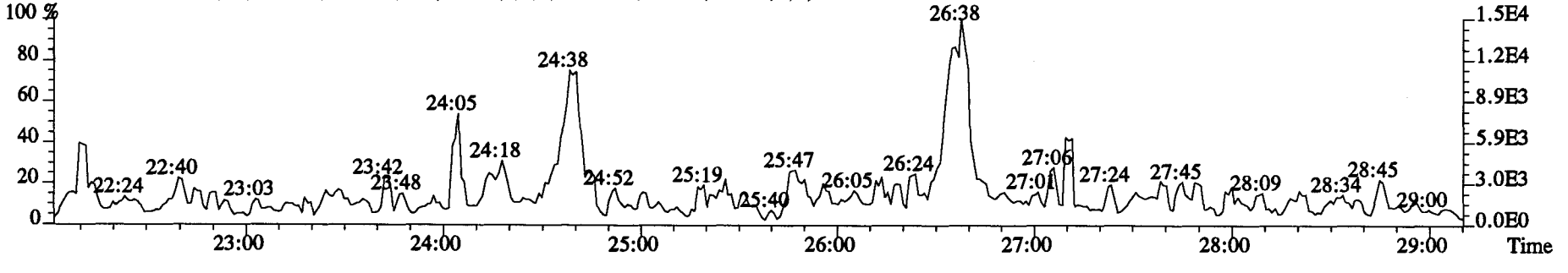
339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8540.0,1.00%,F,T)



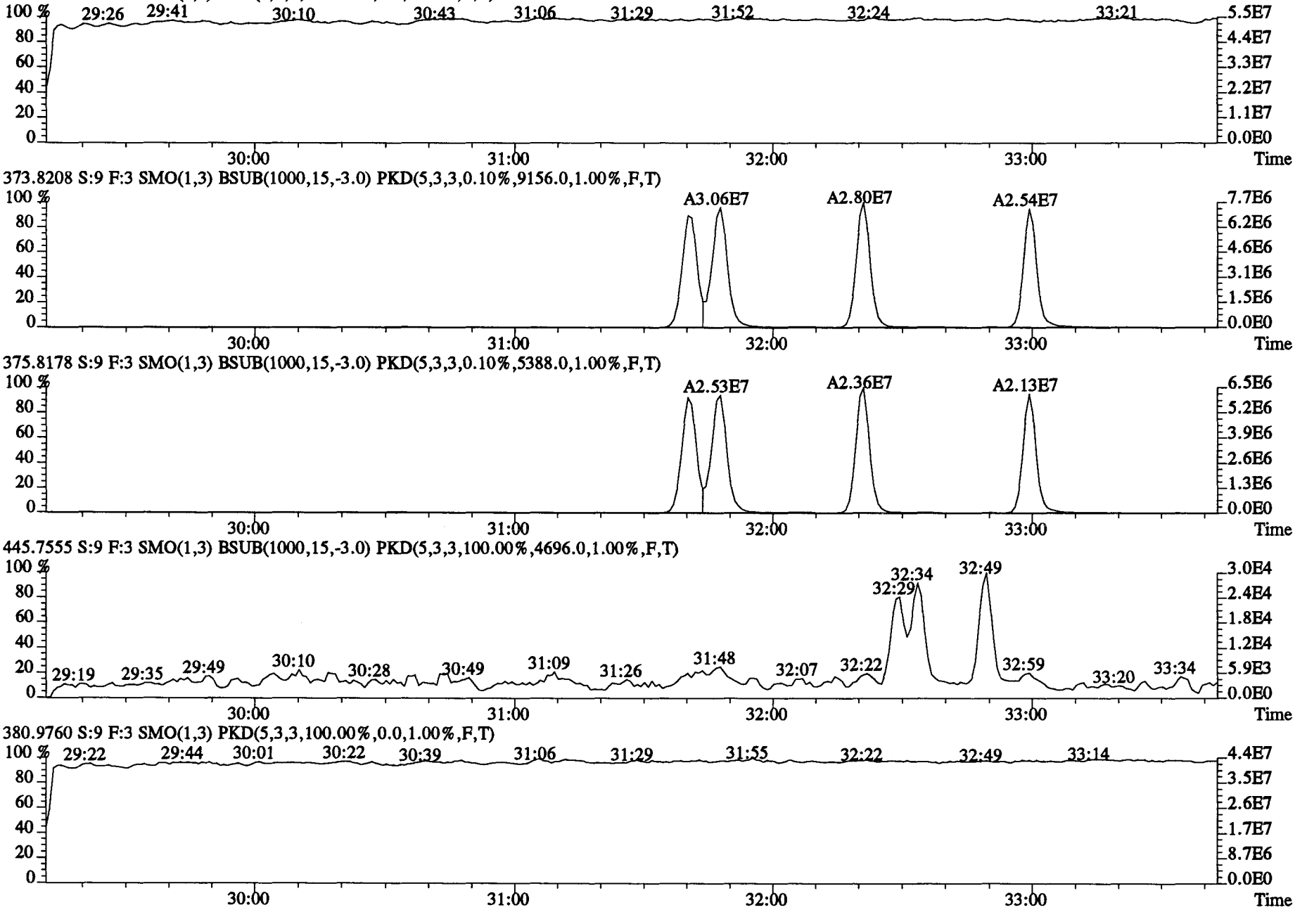
341.8567 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4436.0,1.00%,F,T)



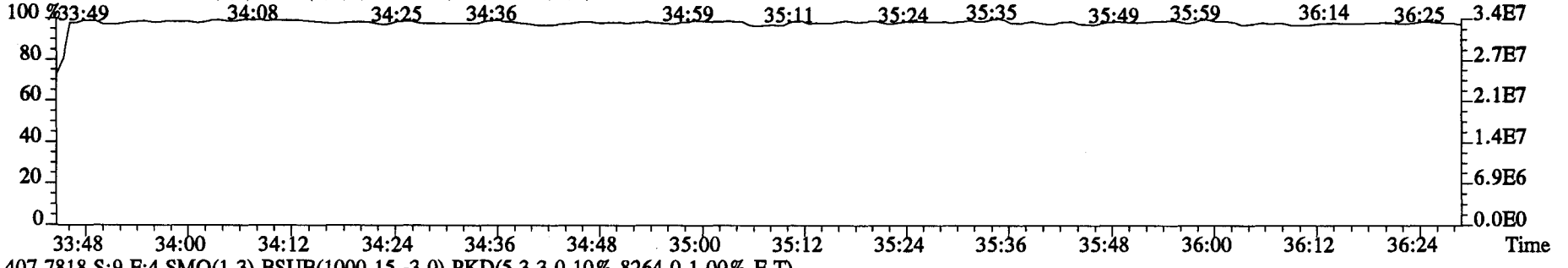
409.7974 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2024.0,1.00%,F,T)



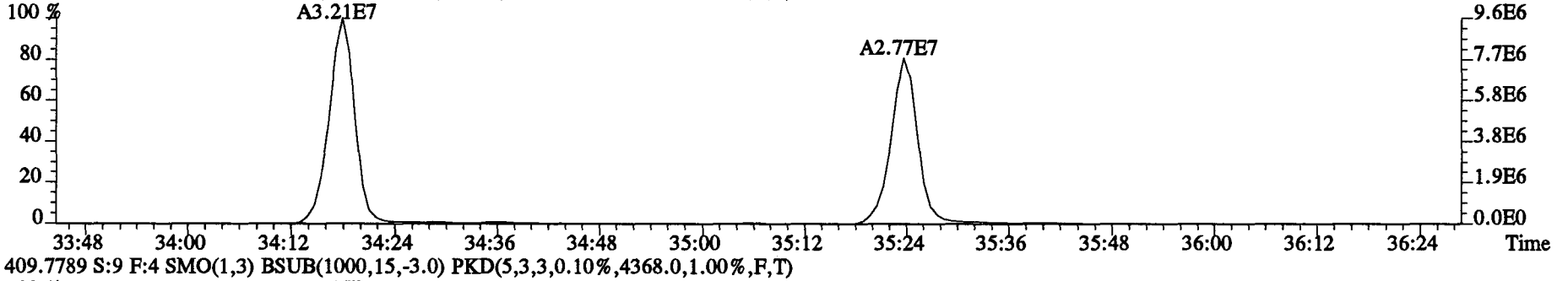
File:14DE10A9D5 #1-326 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES



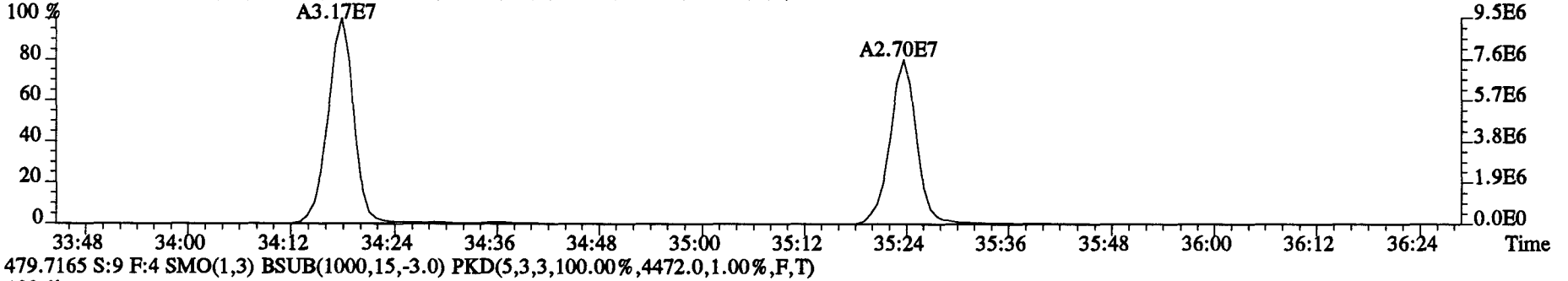
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
430.9728 S:9 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



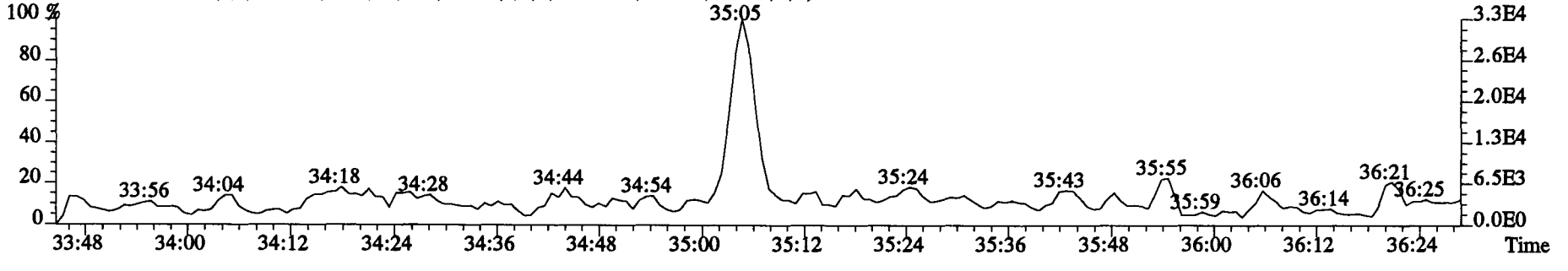
407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8264.0,1.00%,F,T)



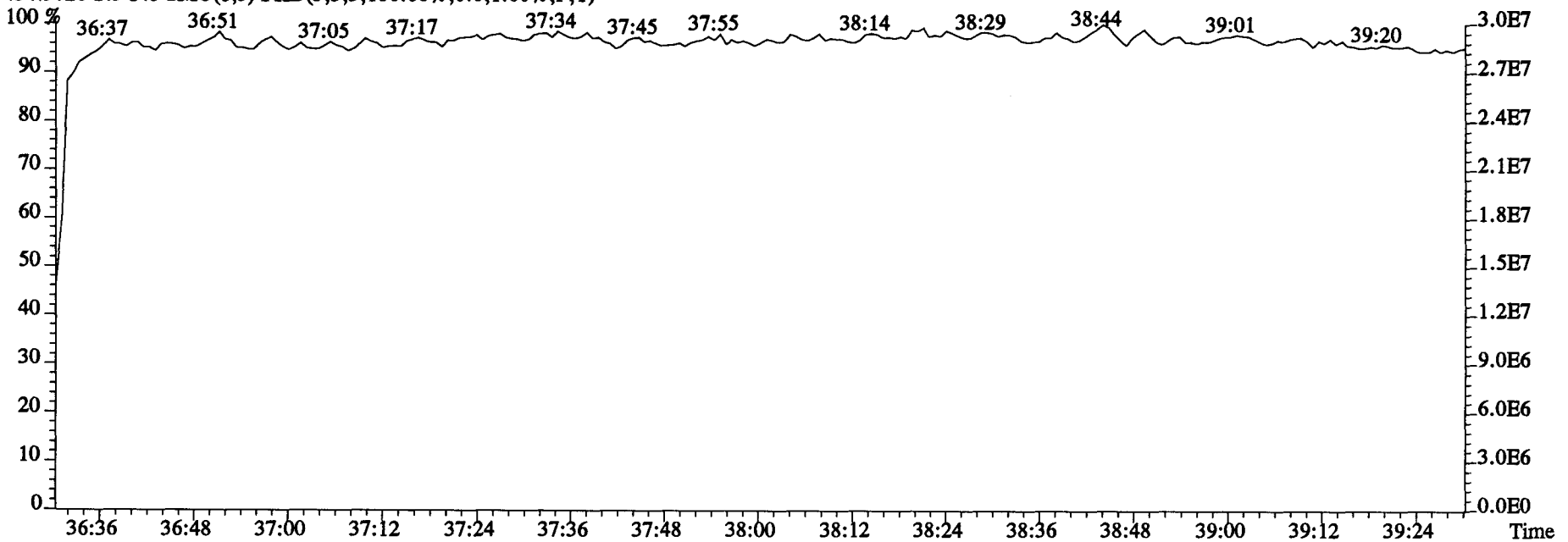
409.7789 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4368.0,1.00%,F,T)



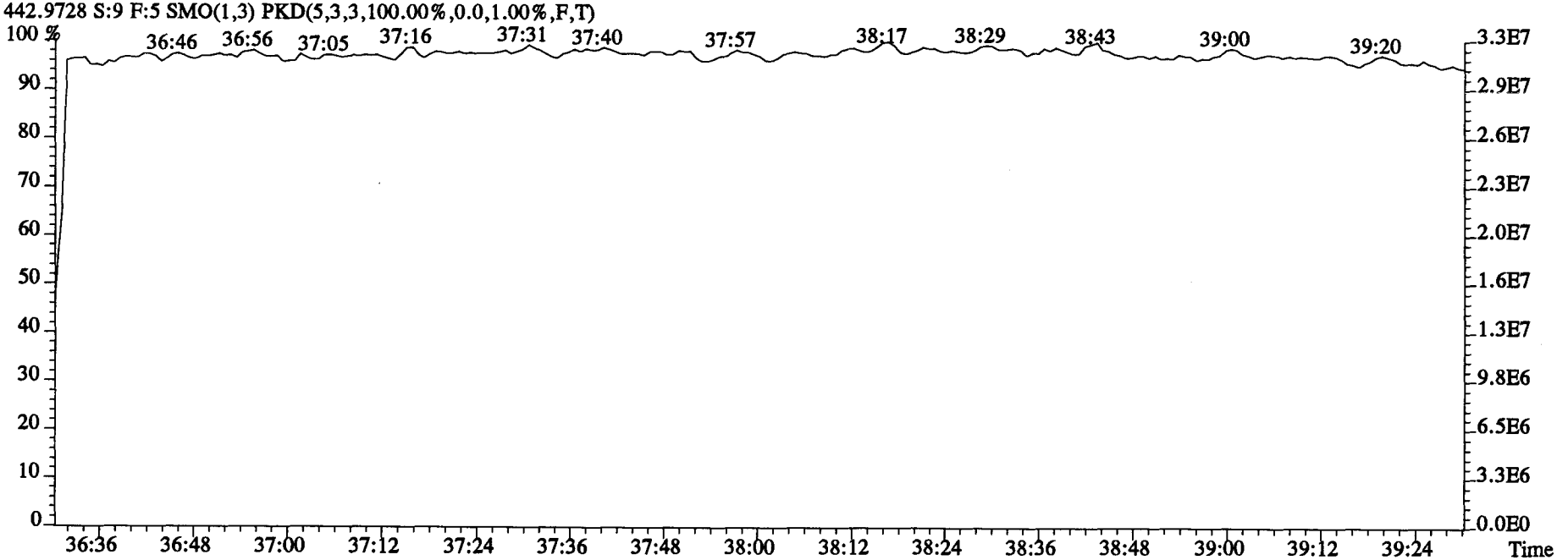
479.7165 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4472.0,1.00%,F,T)



File:14DE10A9D5 #1-243 Acq:14-DEC-2010 20:49:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 Text:MAXT5-1-AC :G0L040465-9LCS Exp:DIOXINRES
454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



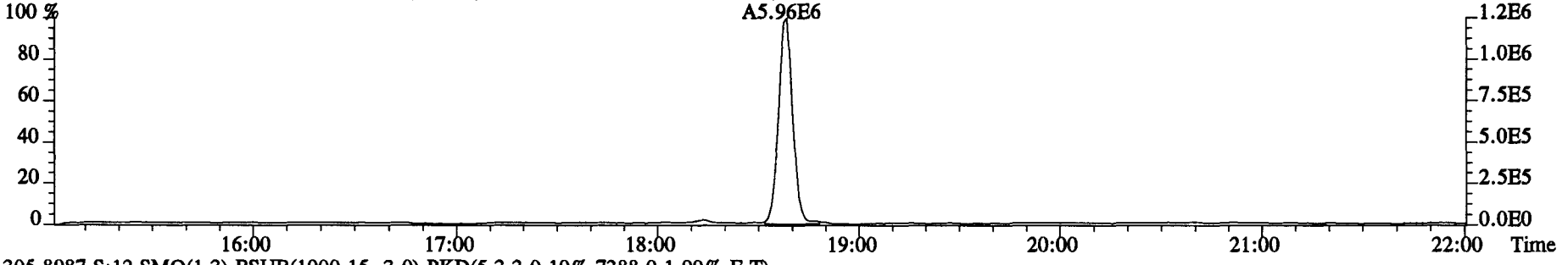
Run text: MAXT5-1-AD Sample text: MAXT5-1-AD :G0L040465-9DCS
Run #10 Filename: 14DE10A9D5 S: 12 I: 1 Results: 14DE10A9D5TO9
Acquired: 14-DEC-10 23:00:26 Processed: 15-DEC-10 10:53:08
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

05 12-15-10

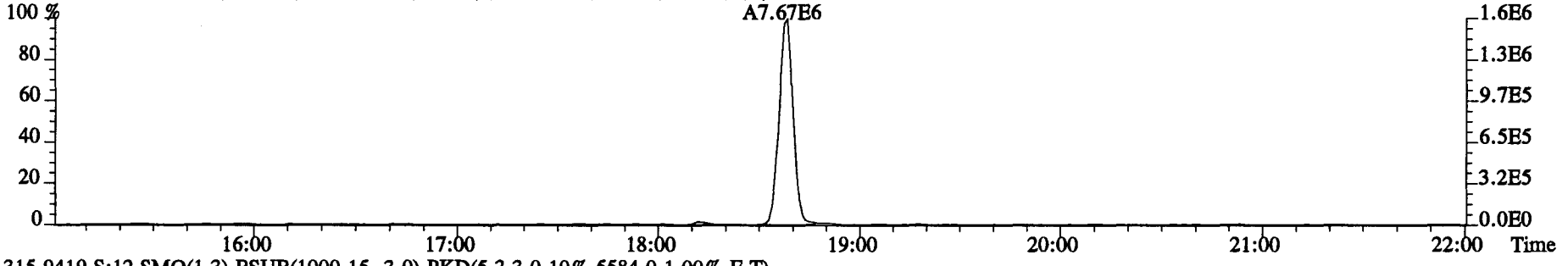
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	144581900	0.76	y	19:15	-	183.249	-	-	n
13C-2,3,7,8-TCDF	144769300	0.78	y	18:37	1.11	3595.426	3.766	89.9	n
2,3,7,8-TCDF	13625180	0.78	y	18:38	0.88	426.390 ✓	10.479	-	n
Total TCDF	13625180	0.78	y	18:38	0.88	426.390	10.479	-	n
13C-2,3,7,8-TCDD	132247000	0.76	y	19:25	0.97	3764.224	14.106	94.1	n
2,3,7,8-TCDD	11630290	0.77	y	19:26	0.87	403.617 ✓	3.693	-	n
Total TCDD	11712024	2.57	n	18:37	0.87	406.454	3.693	-	n
37Cl-2,3,7,8-TCDD	168471	1.00	y	19:27	1.22	4.164	2.380	0.3	n
13C-1,2,3,7,8-PeCDF	119702700	1.47	y	24:16	0.92	3595.692	5.294	89.9	n
1,2,3,7,8-PeCDF	67257100	1.52	y	24:18	1.06	2111.114 ✓	7.387	-	n
2,3,4,7,8-PeCDF	65263900	1.54	y	25:47	1.03	2122.382 ✓	7.653	-	n
Total F2 PeCDF	133730059	2.59	n	22:06	1.05	4272.119	7.517	-	n
Total F1 PeCDF	151159	2.16	n	19:14	1.05	4.829	6.563	-	n
13C-1,2,3,7,8-PeCDD	115783700	1.50	y	26:36	0.83	3862.164	2.712	96.6	n
1,2,3,7,8-PeCDD	47553300	1.48	y	26:38	0.79	2071.429 ✓	4.535	-	n
Total PeCDD	47653177	2.63	n	24:17	0.79	2075.780	4.535	-	n
13C-1,2,3,7,8,9-HxCDD	95062000	1.28	y	32:49	-	185.254	-	-	n
13C-1,2,3,4,7,8-HxCDF	88827300	0.47	y	31:40	1.07	3486.134	6.112	87.2	n
1,2,3,4,7,8-HxCDF	50644100	1.17	y	31:40	1.06	2145.863 ✓	6.615	-	n
1,2,3,6,7,8-HxCDF	54049300	1.20	y	31:48	1.12	2170.045 ✓	6.268	-	n
2,3,4,6,7,8-HxCDF	52386900	1.18	y	32:21	1.05	2250.591 ✓	6.707	-	n
1,2,3,7,8,9-HxCDF	48126700	1.19	y	32:59	0.95	2275.178 ✓	7.381	-	n
Total HxCDF	205522155	0.86	n	30:33	1.05	8855.241	6.719	-	n
13C-1,2,3,6,7,8-HxCDD	79662600	1.28	y	32:34	0.89	3774.536	9.539	94.4	n
1,2,3,4,7,8-HxCDD	43797500	1.18	y	32:29	1.11	1974.786 ✓	2.206	-	n
1,2,3,6,7,8-HxCDD	47945800	1.21	y	32:34	1.16	2076.626 ✓	2.120	-	n
1,2,3,7,8,9-HxCDD	51519200	1.19	y	32:50	1.20	2152.774 ✓	2.045	-	n
Total HxCDD	143401808	2.82	n	31:40	1.16	6210.226	2.122	-	n
13C-1,2,3,4,6,7,8-HpCDF	87697100	0.44	y	34:17	0.95	3892.177	5.174	97.3	n
1,2,3,4,6,7,8-HpCDF	65718200	1.02	y	34:18	1.44	2088.514 ✓	5.323	-	n
1,2,3,4,7,8,9-HpCDF	57642200	1.01	y	35:24	1.23	2143.329 ✓	6.228	-	n
Total HpCDF	124577632	1.02	y	34:18	1.33	4273.557	5.740	-	n
13C-1,2,3,4,6,7,8-HpCDD	103064900	0.99	y	35:05	1.08	4032.903	6.500	100.8	n
1,2,3,4,6,7,8-HpCDD	48752400	1.04	y	35:05	0.90	2113.362 ✓	2.900	-	n
Total HpCDD	49281552	0.96	y	34:32	0.90	2136.300	2.900	-	n
13C-OCDD	126184900	0.86	y	37:31	0.69	7696.729	6.647	96.2	n
OCDF	81033300	0.87	y	37:38	1.18	4353.706 ✓	4.149	-	n
OCDD	78215500	0.92	y	37:32	1.14	4355.364 ✓	6.361	-	n

File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES

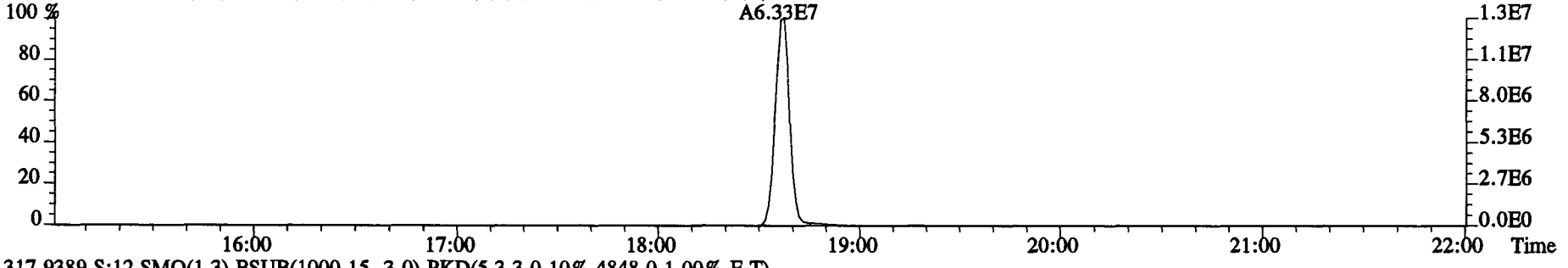
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16040.0,1.00%,F,T)



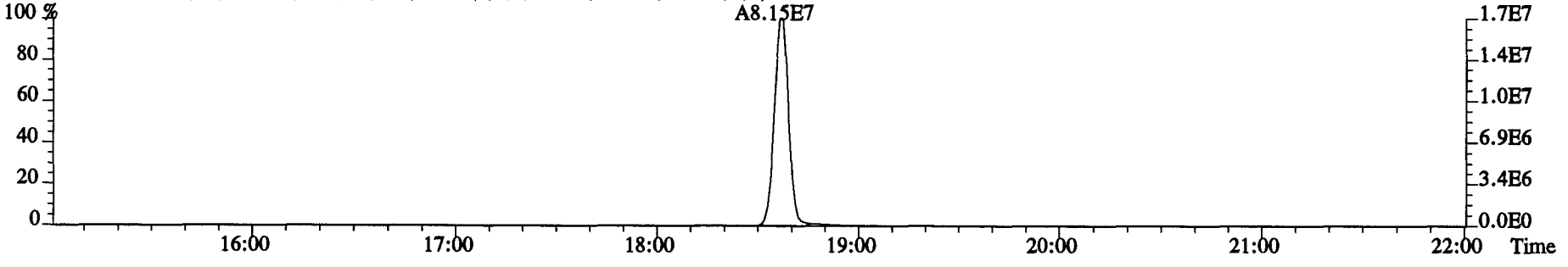
305.8987 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T)



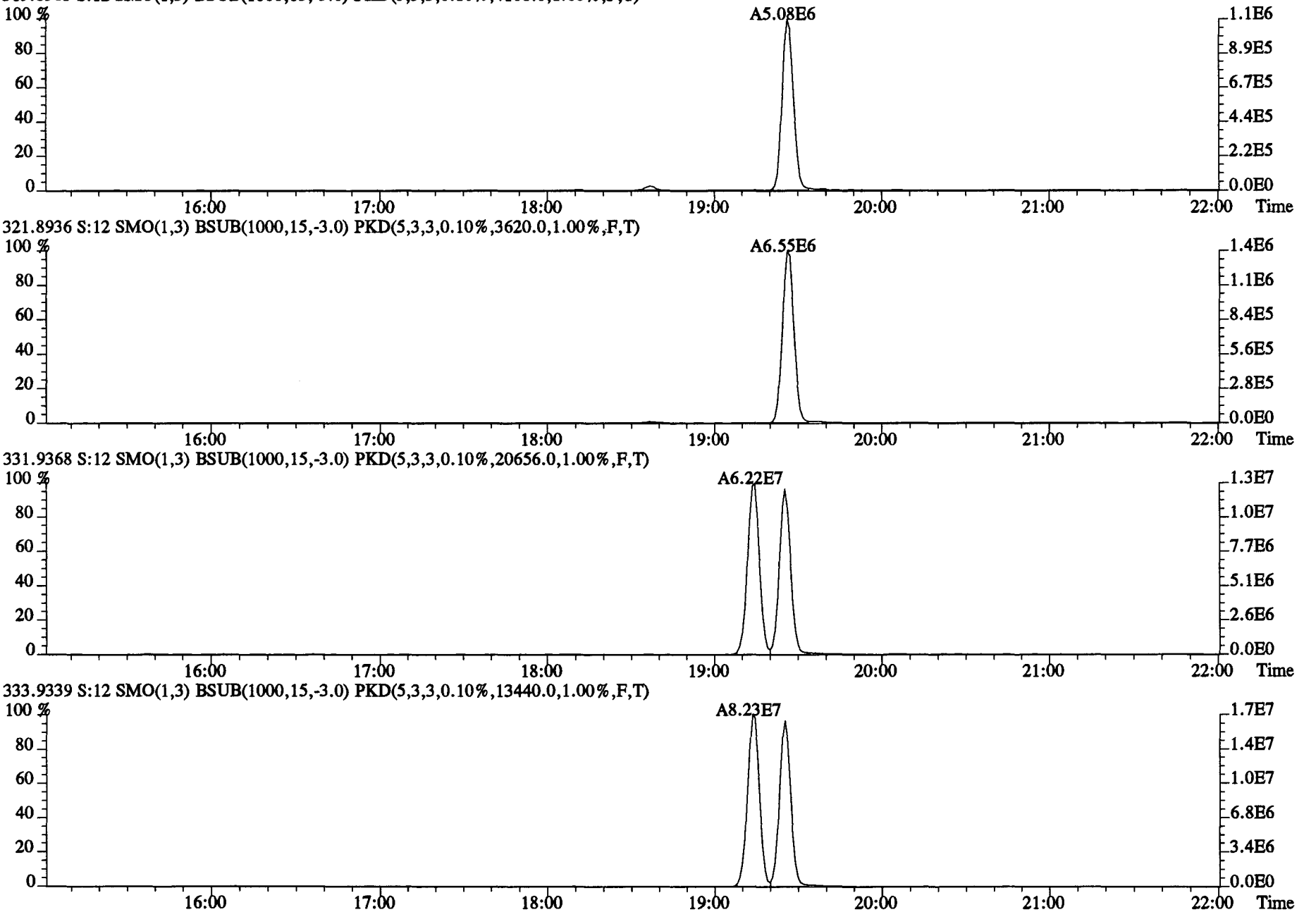
315.9419 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5584.0,1.00%,F,T)



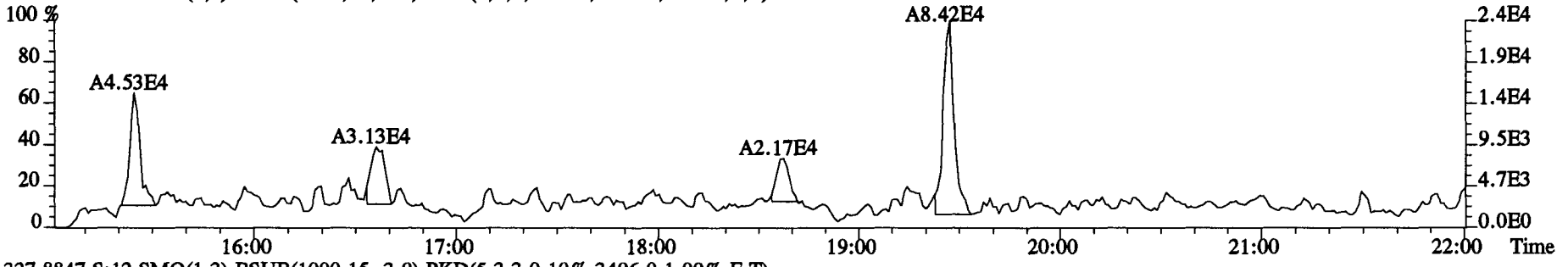
317.9389 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4848.0,1.00%,F,T)



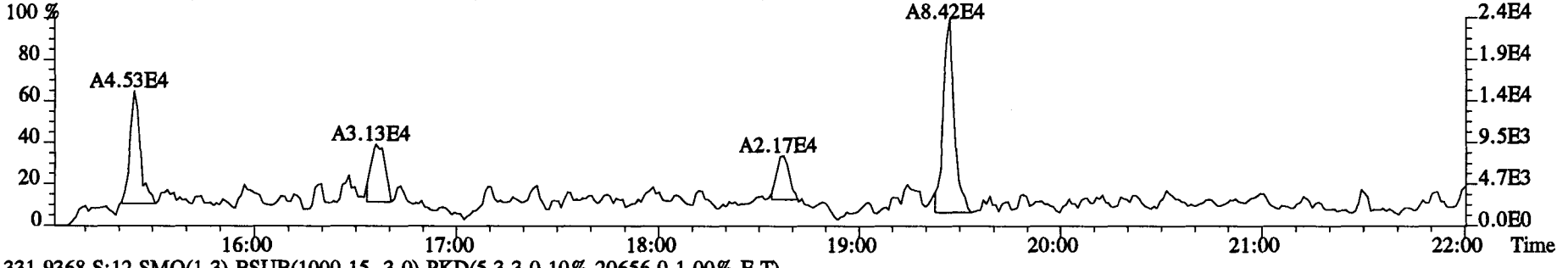
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES



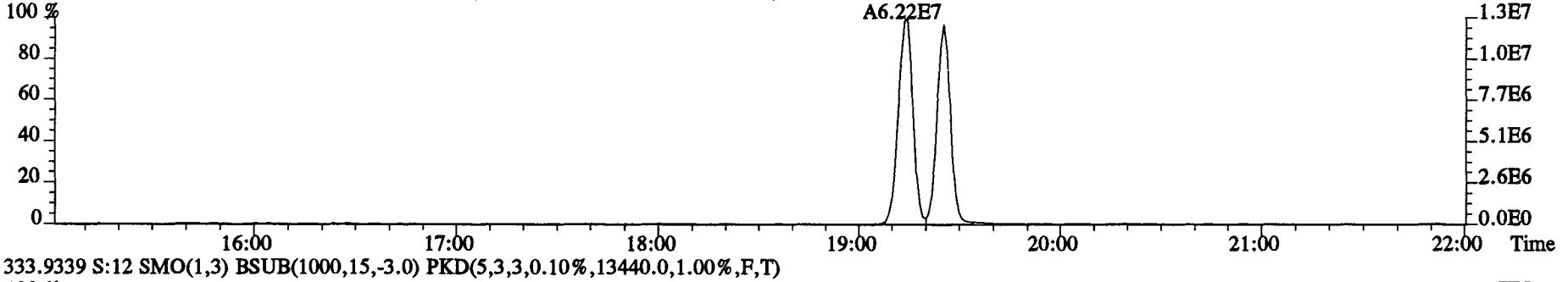
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
327.8847 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



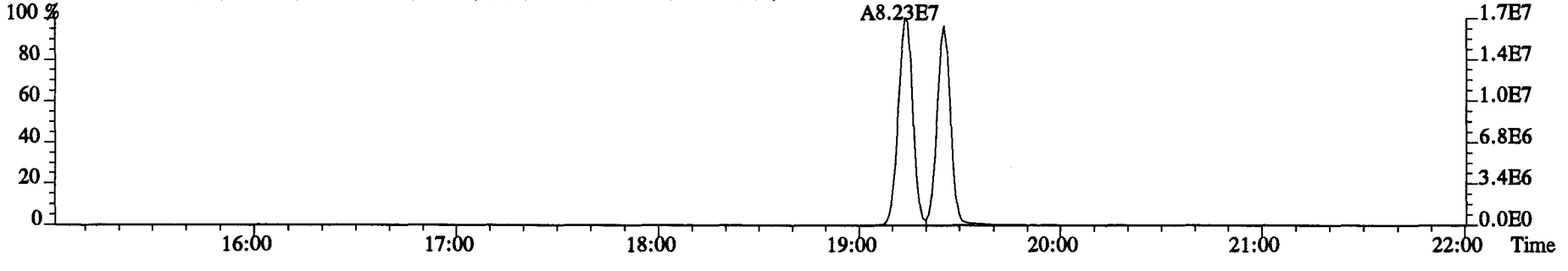
327.8847 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3496.0,1.00%,F,T)



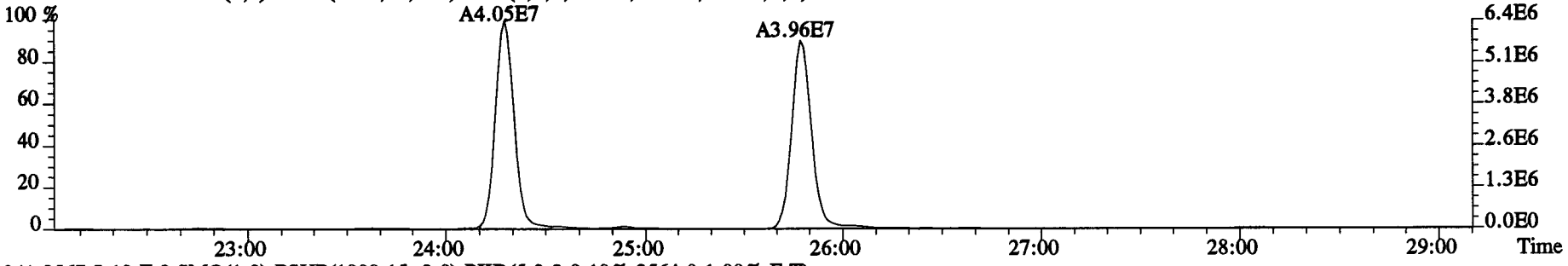
331.9368 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20656.0,1.00%,F,T)



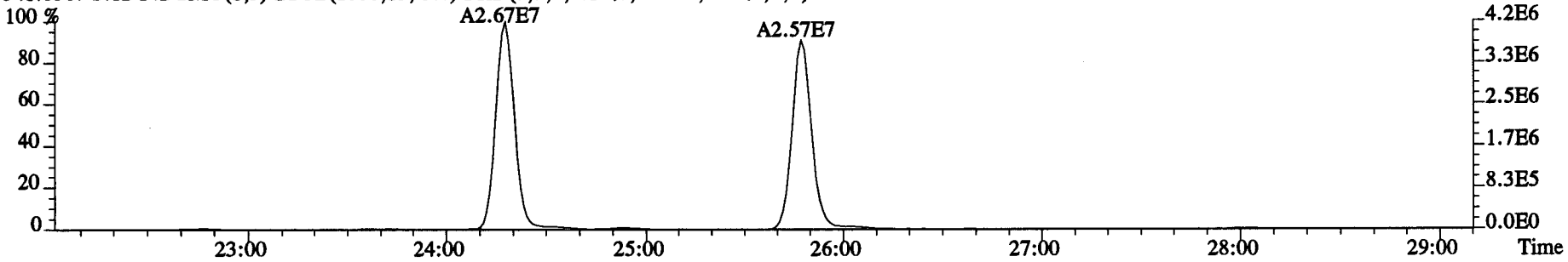
333.9339 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13440.0,1.00%,F,T)



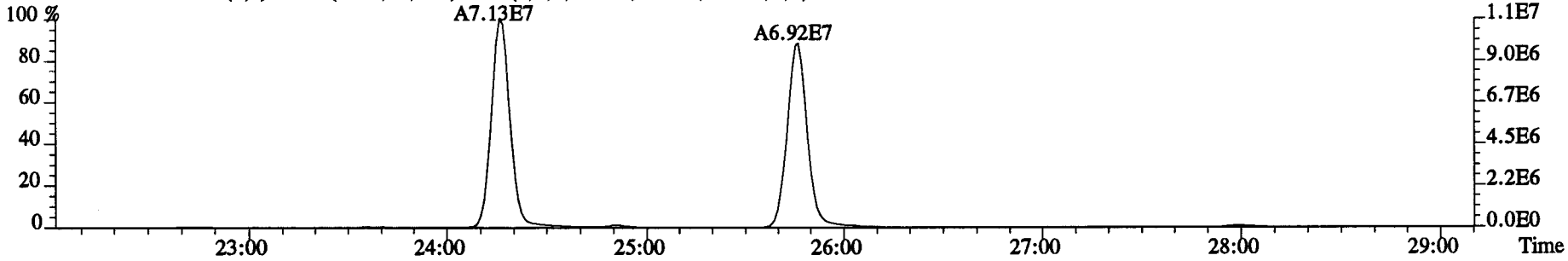
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
339.8597 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8696.0,1.00%,F,T)



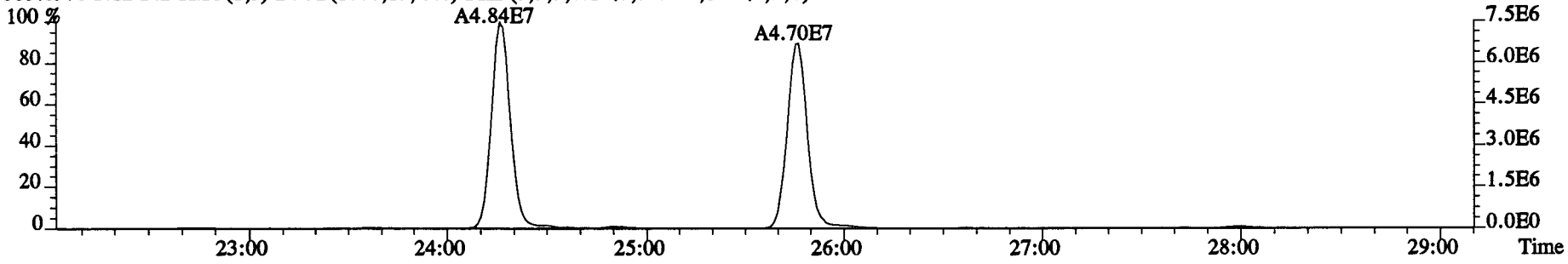
341.8567 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3564.0,1.00%,F,T)



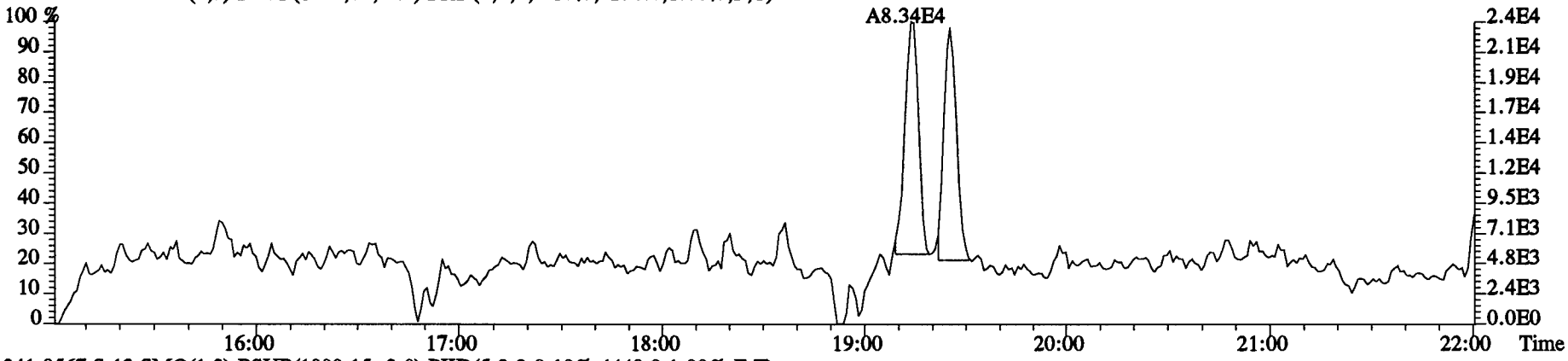
351.9000 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7088.0,1.00%,F,T)



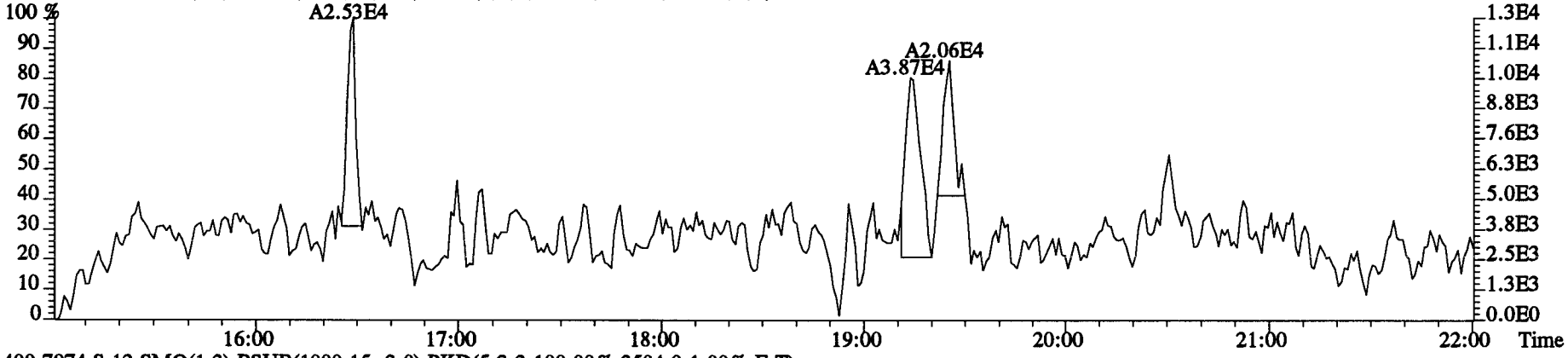
353.8970 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5036.0,1.00%,F,T)



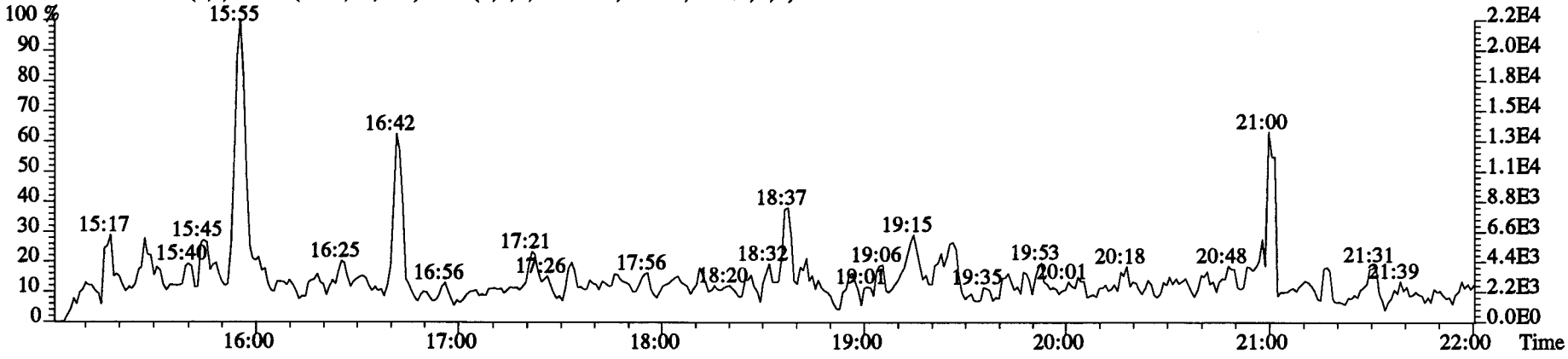
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
339.8597 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)



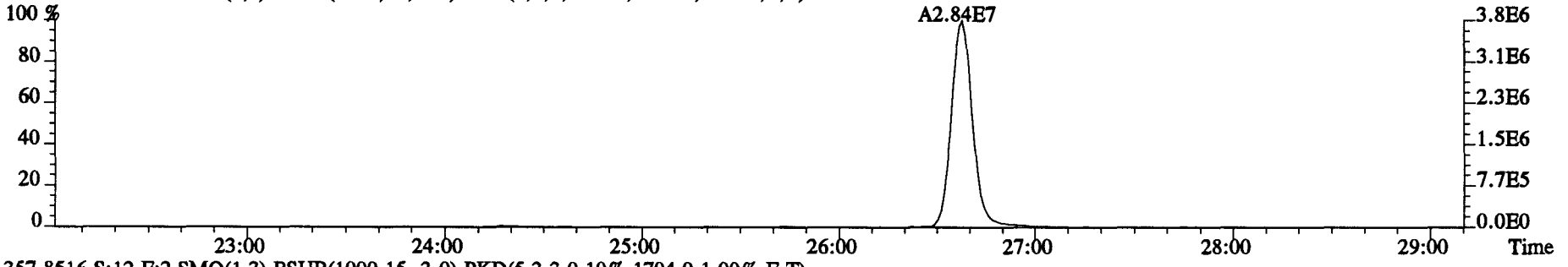
341.8567 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4448.0,1.00%,F,T)



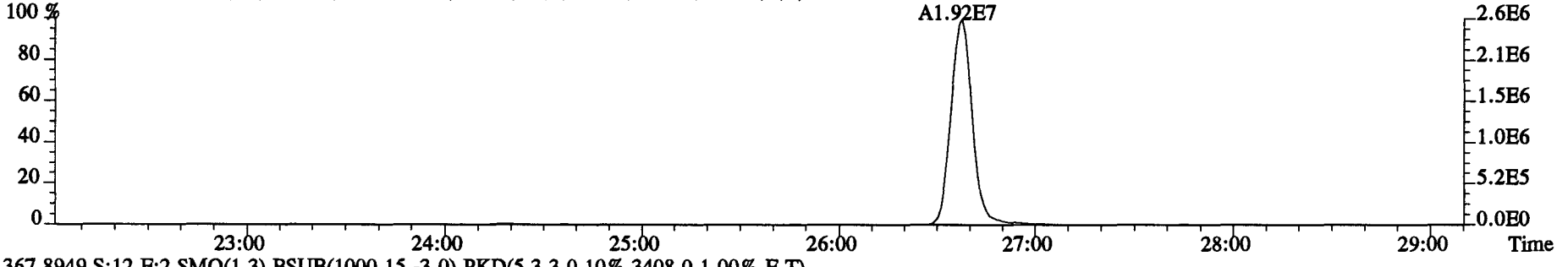
409.7974 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3504.0,1.00%,F,T)



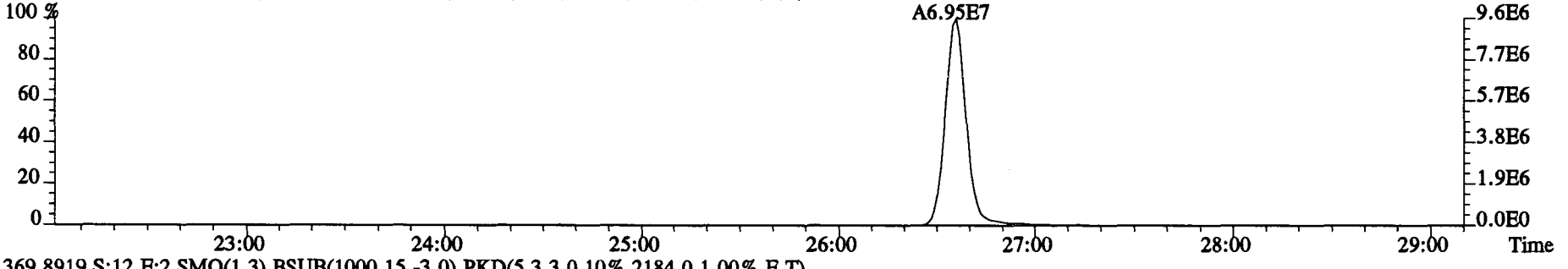
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
355.8546 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3052.0,1.00%,F,T)



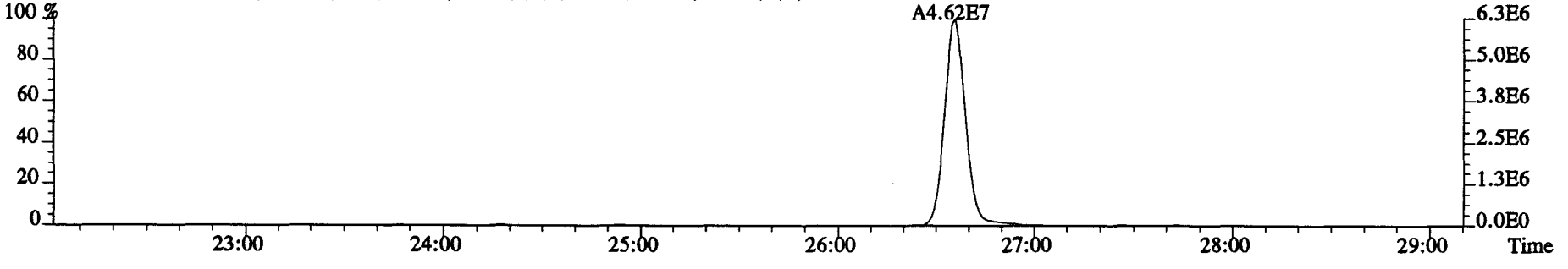
357.8516 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1704.0,1.00%,F,T)



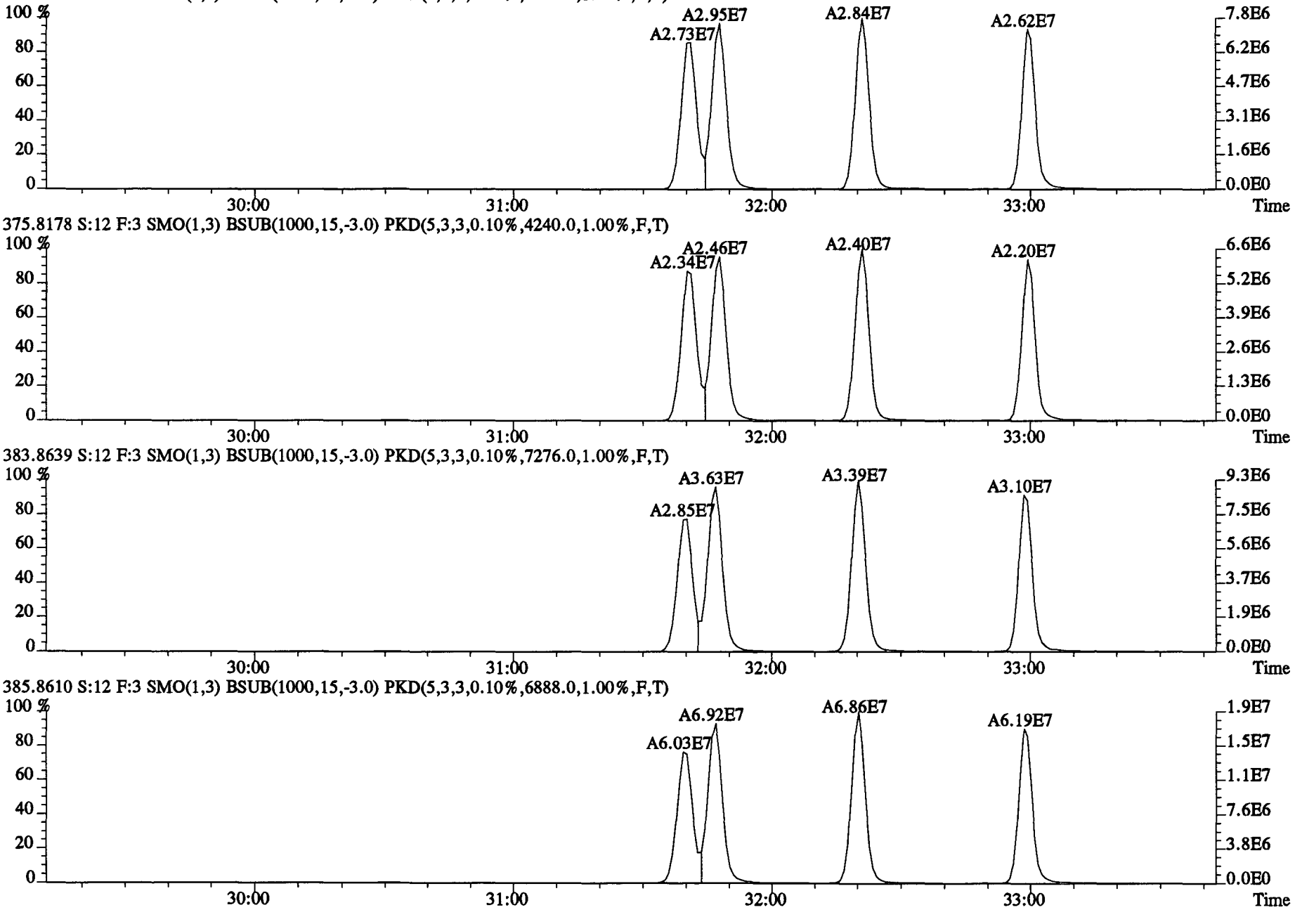
367.8949 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3408.0,1.00%,F,T)



369.8919 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)

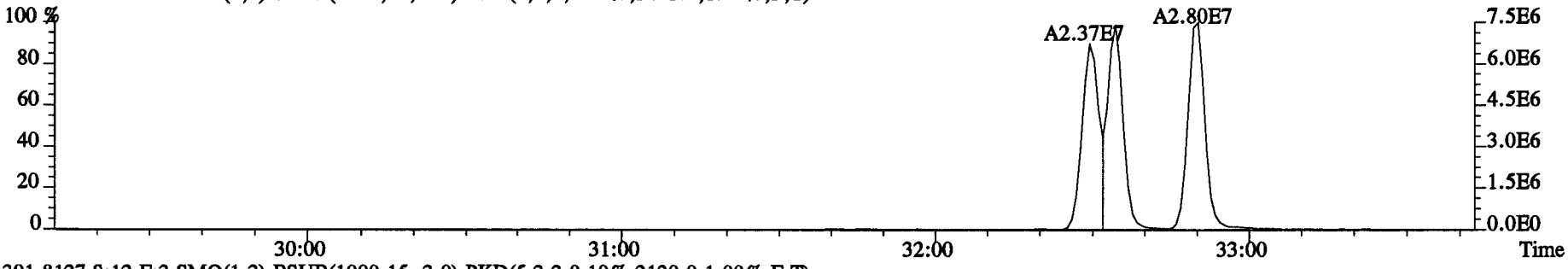


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES

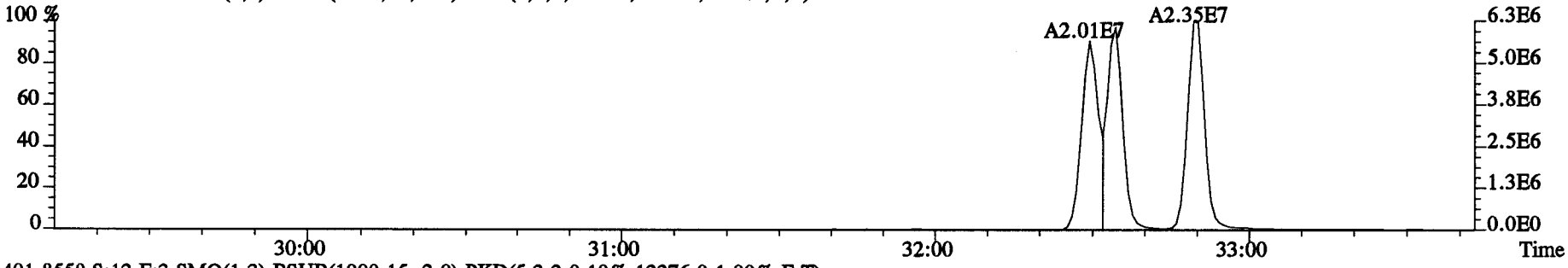


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES

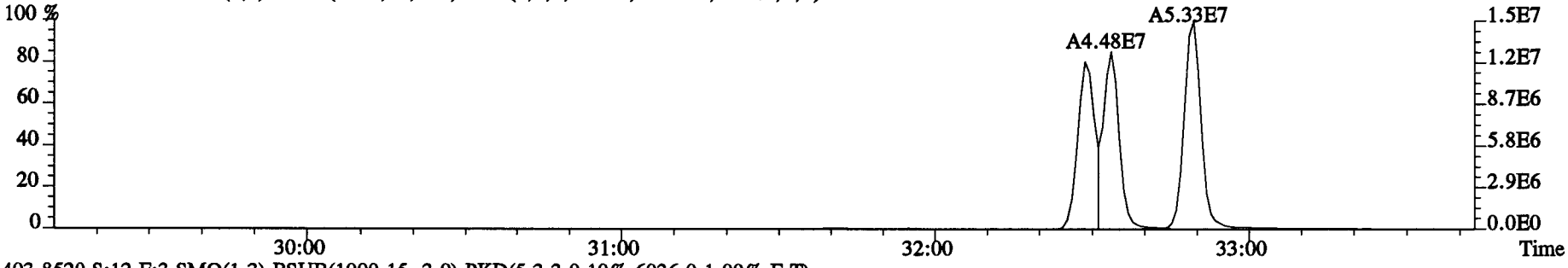
389.8157 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2432.0,1.00%,F,T)



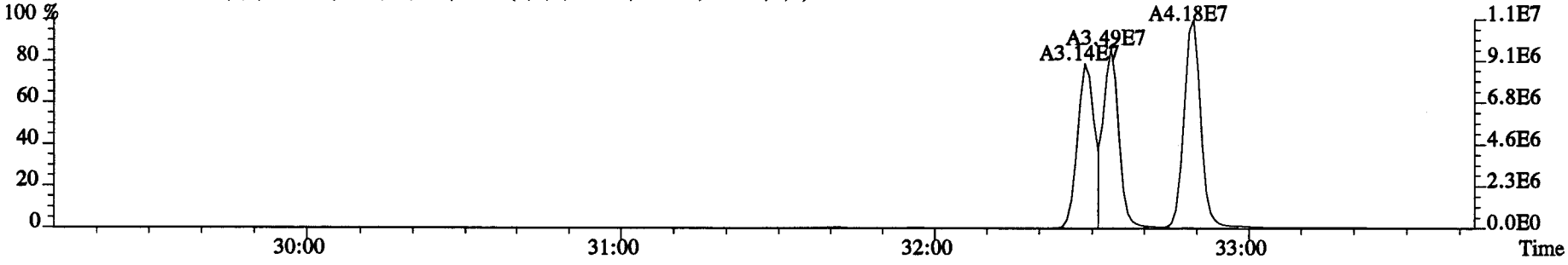
391.8127 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2120.0,1.00%,F,T)



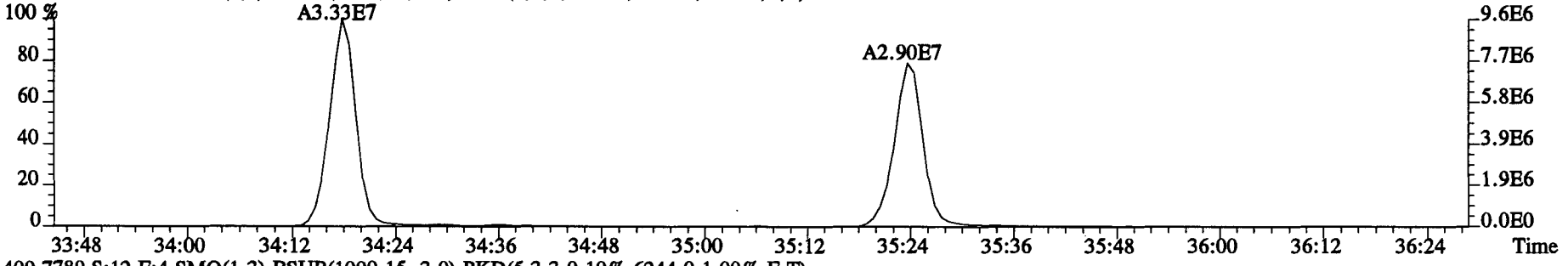
401.8559 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12276.0,1.00%,F,T)



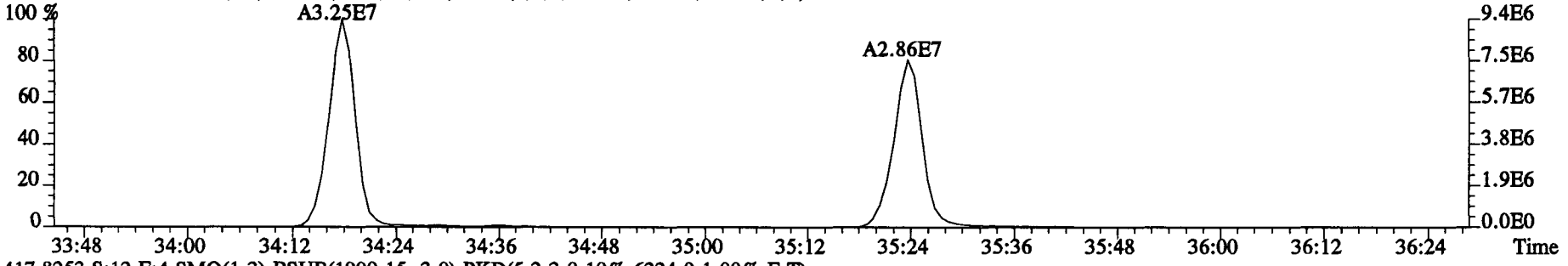
403.8529 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6036.0,1.00%,F,T)



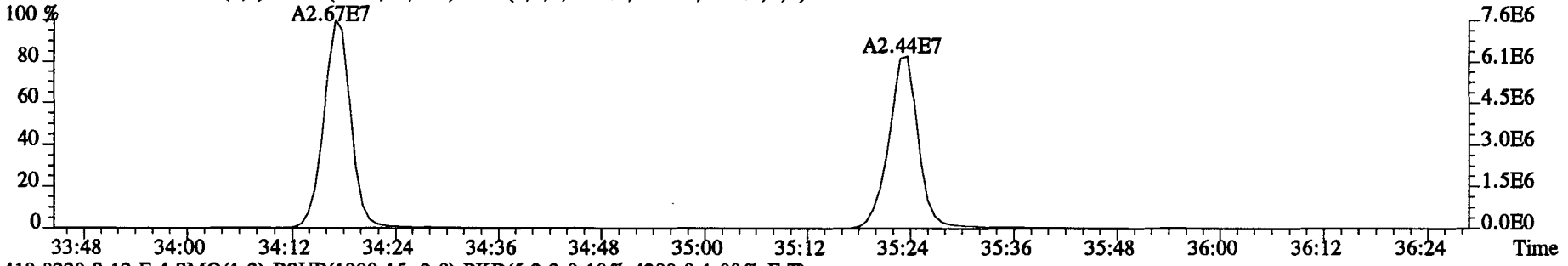
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
407.7818 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9548.0,1.00%,F,T)



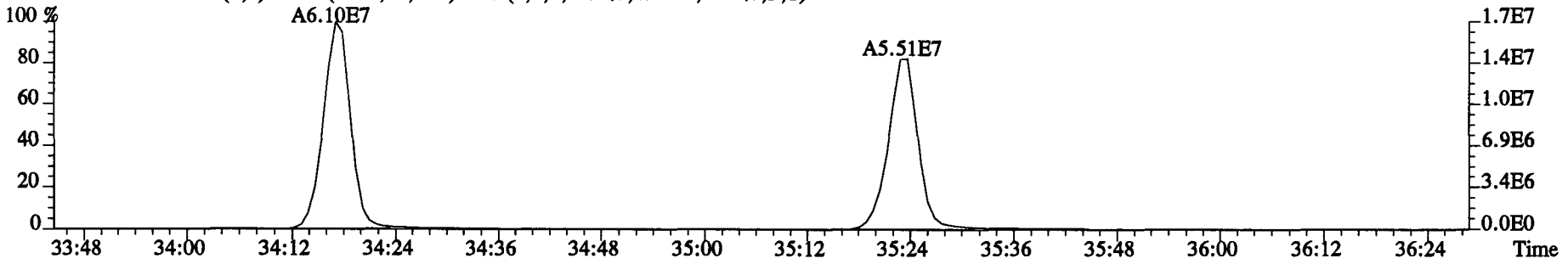
409.7789 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6244.0,1.00%,F,T)



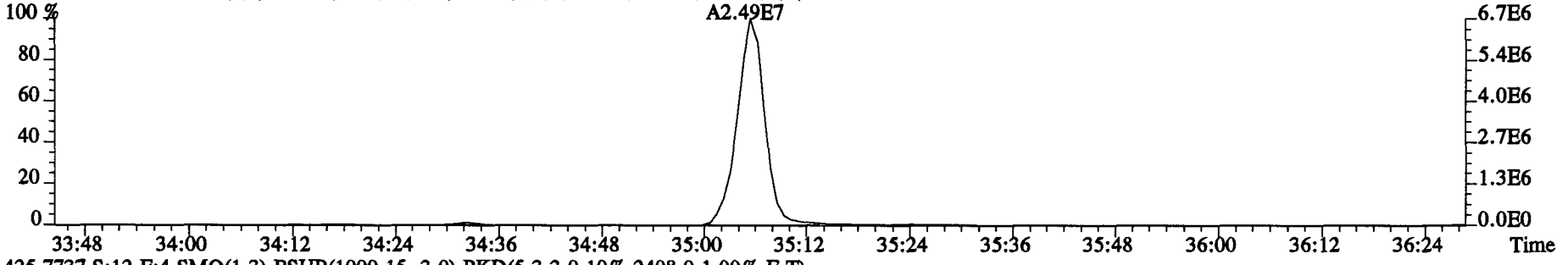
417.8253 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6224.0,1.00%,F,T)



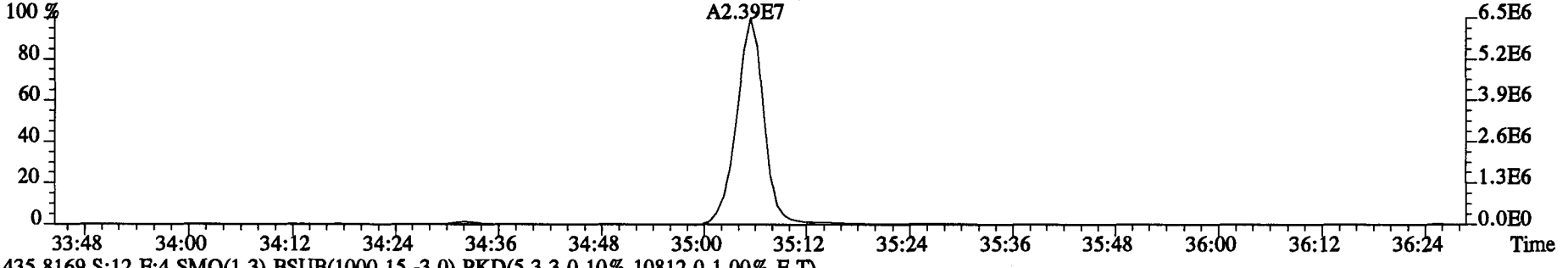
419.8220 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4380.0,1.00%,F,T)



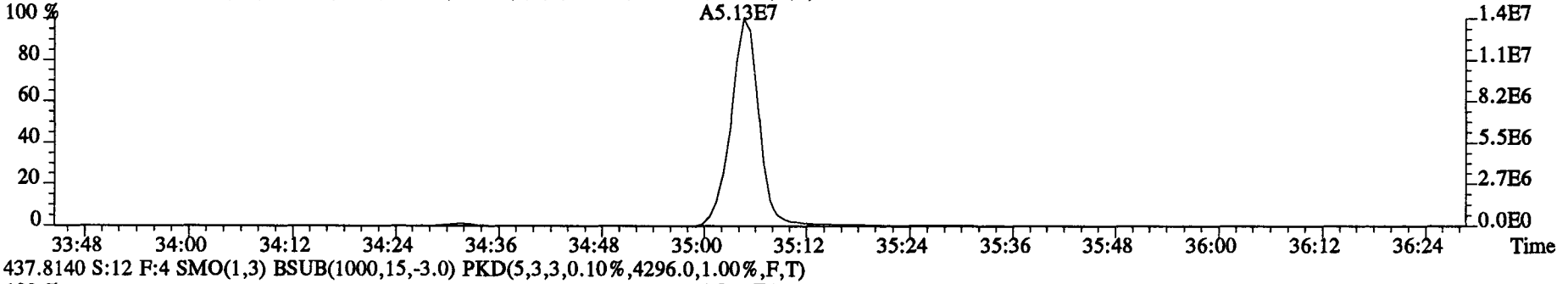
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
423.7766 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3552.0,1.00%,F,T)



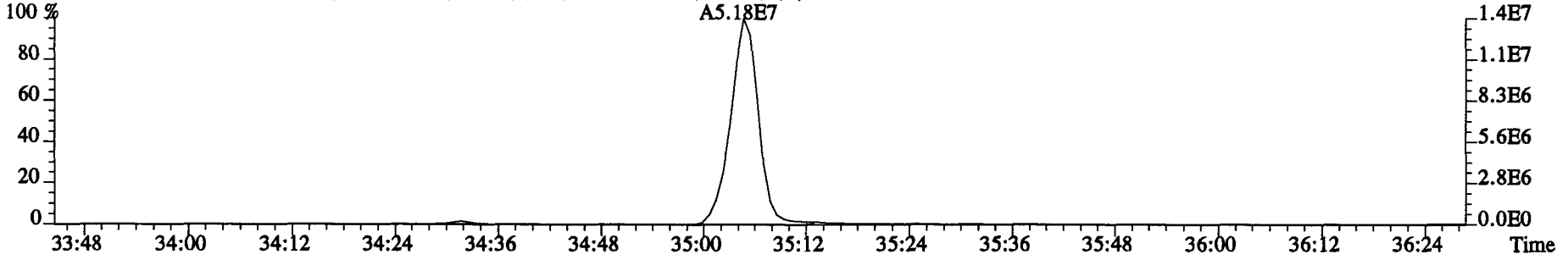
425.7737 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2408.0,1.00%,F,T)



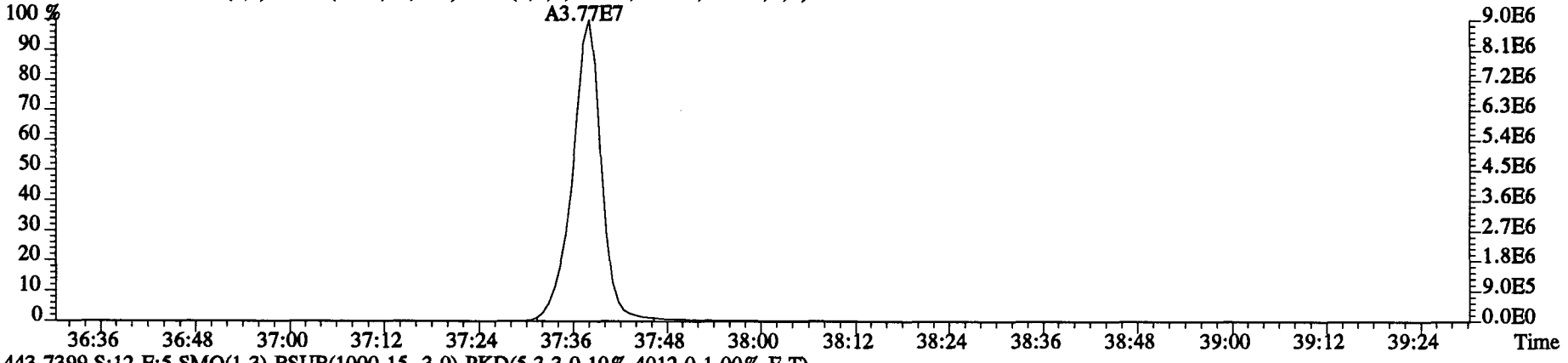
435.8169 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10812.0,1.00%,F,T)



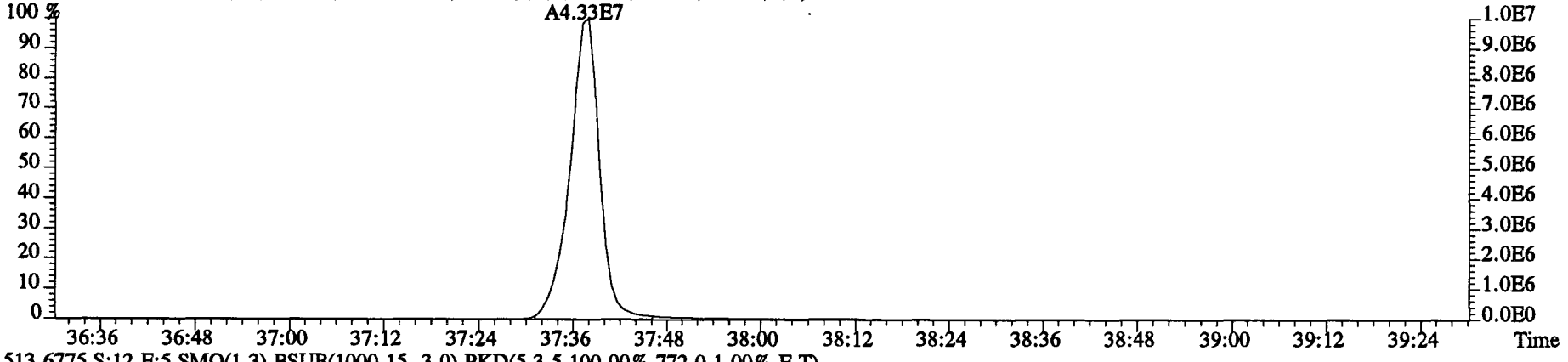
437.8140 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4296.0,1.00%,F,T)



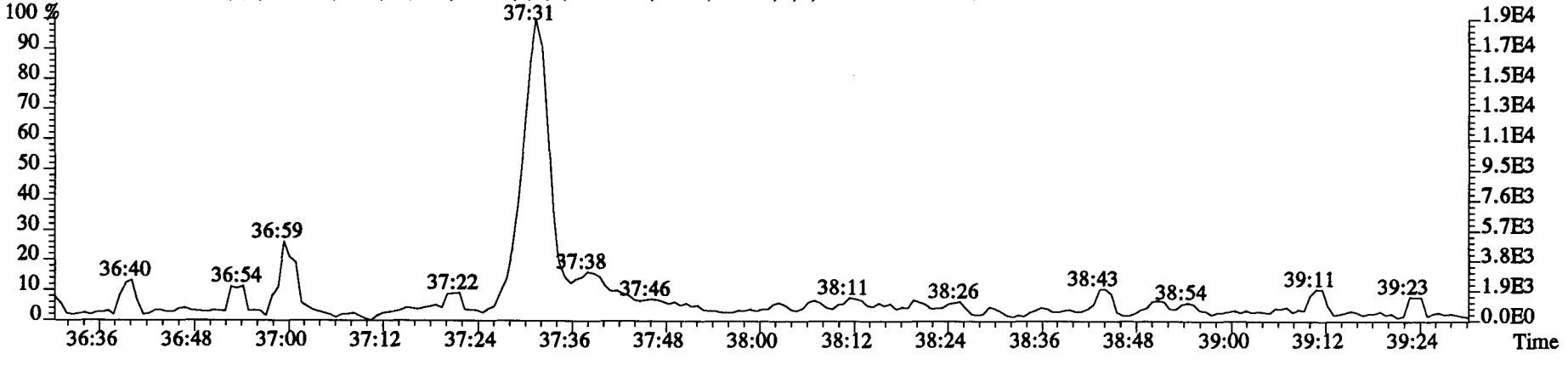
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
441.7428 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956.0,1.00%,F,T)



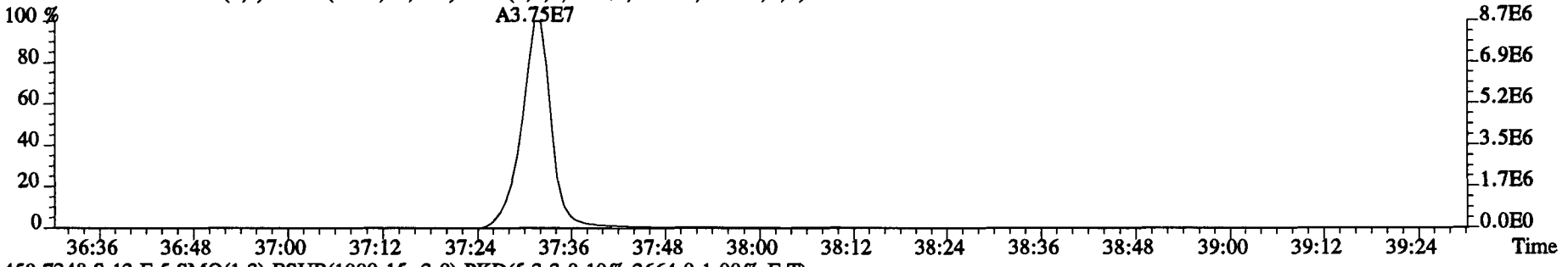
443.7399 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4012.0,1.00%,F,T)



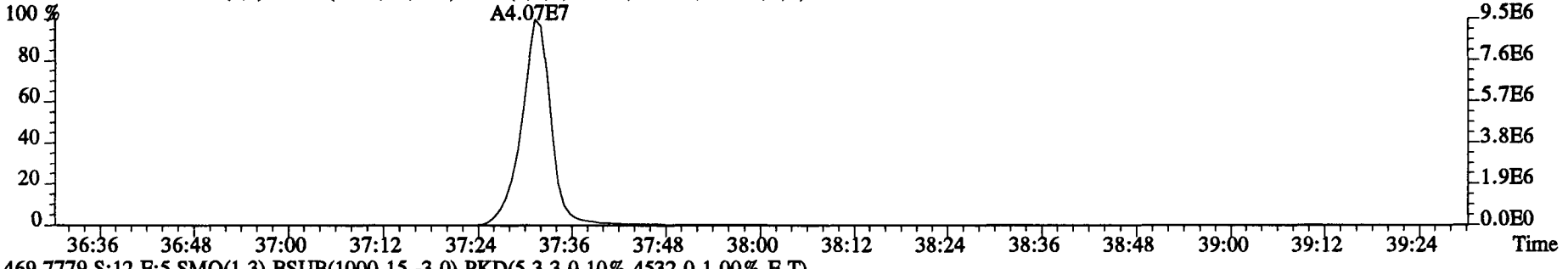
513.6775 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,772.0,1.00%,F,T)



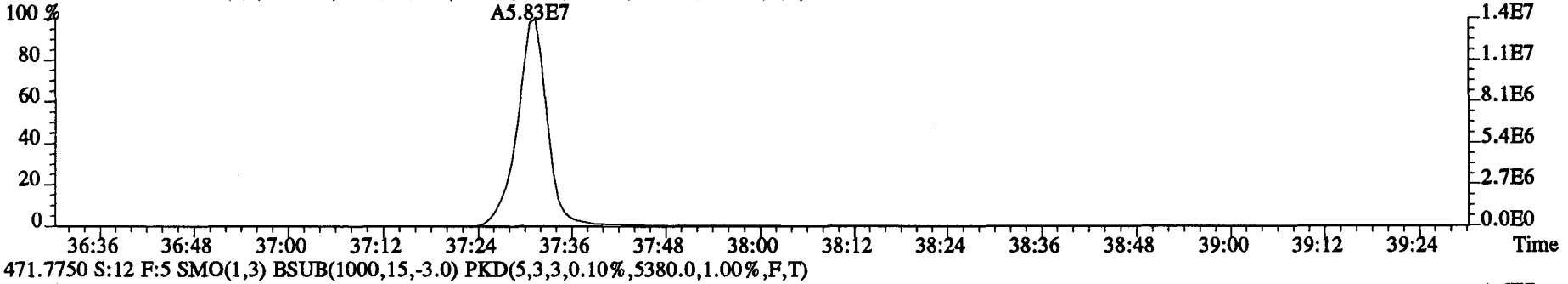
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
457.7377 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5164.0,1.00%,F,T)



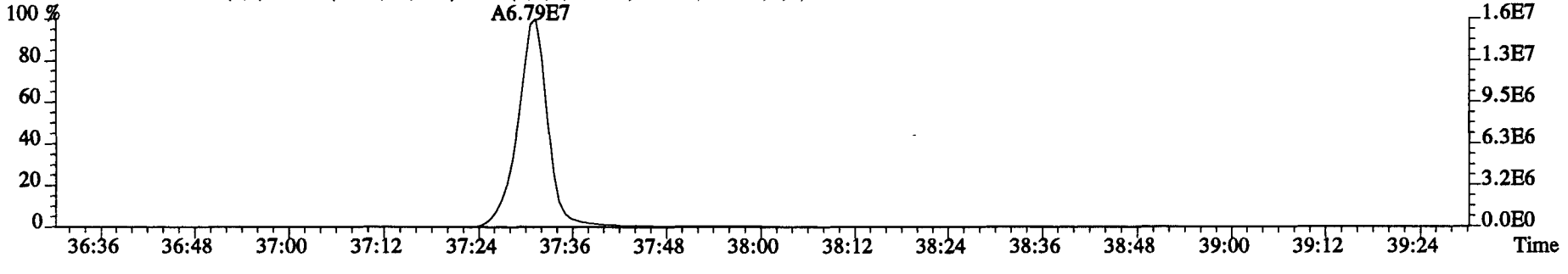
459.7348 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3664.0,1.00%,F,T)



469.7779 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4532.0,1.00%,F,T)

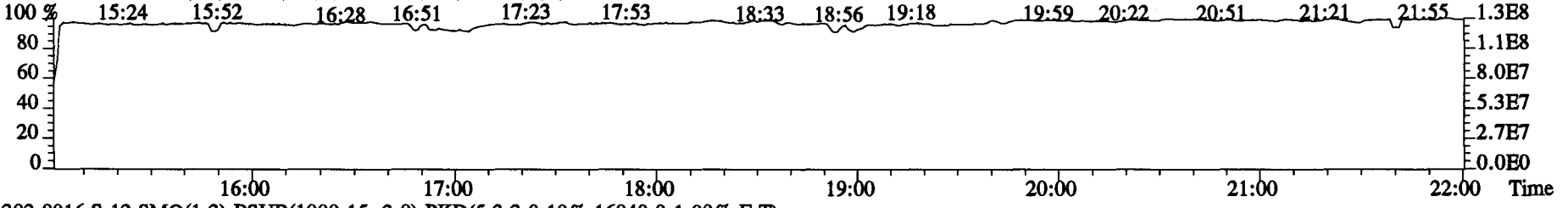


471.7750 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5380.0,1.00%,F,T)

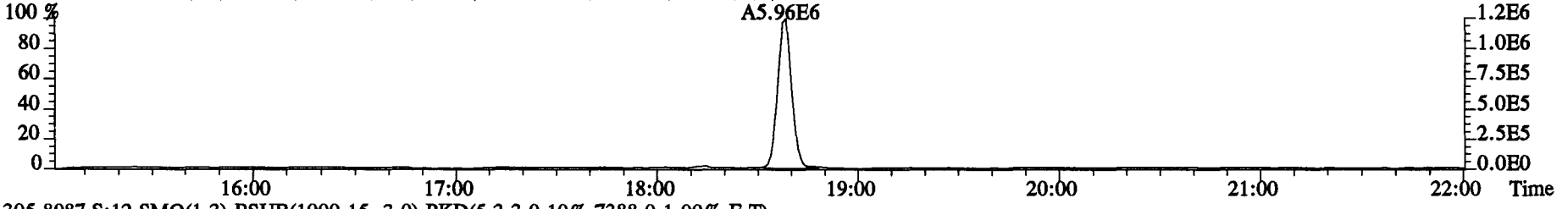


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES

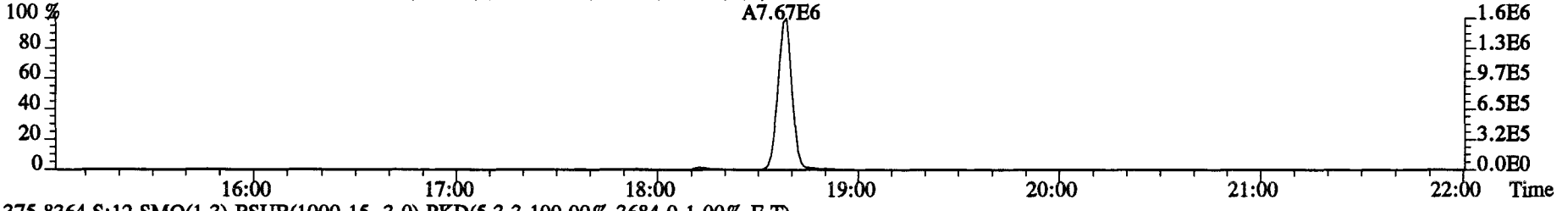
292.9825 S:12 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



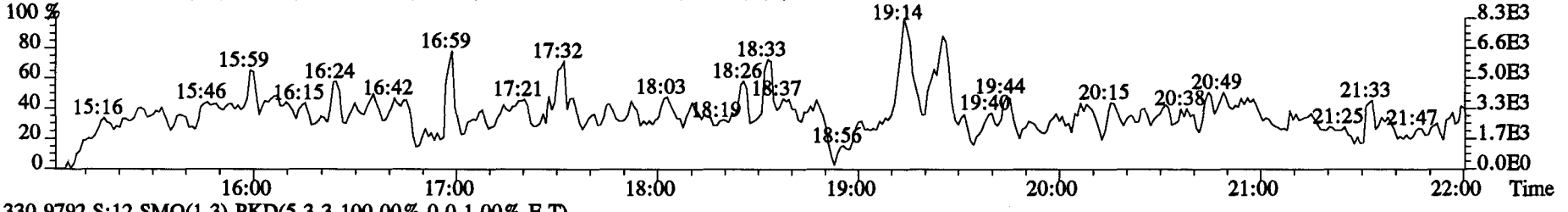
303.9016 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16040.0,1.00%,F,T)



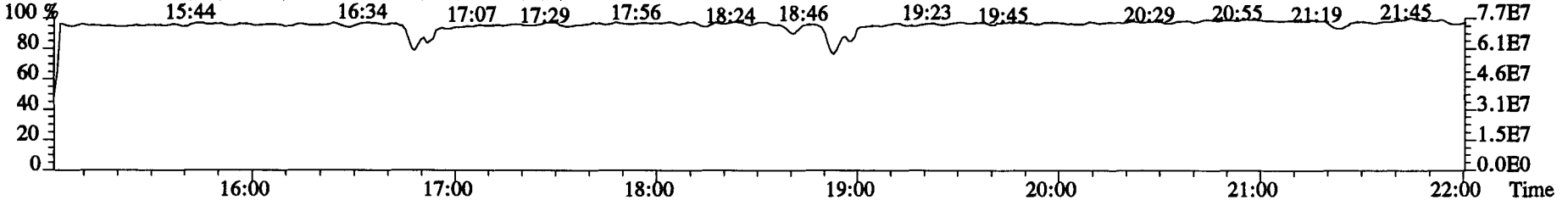
305.8987 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7388.0,1.00%,F,T)



375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3684.0,1.00%,F,T)

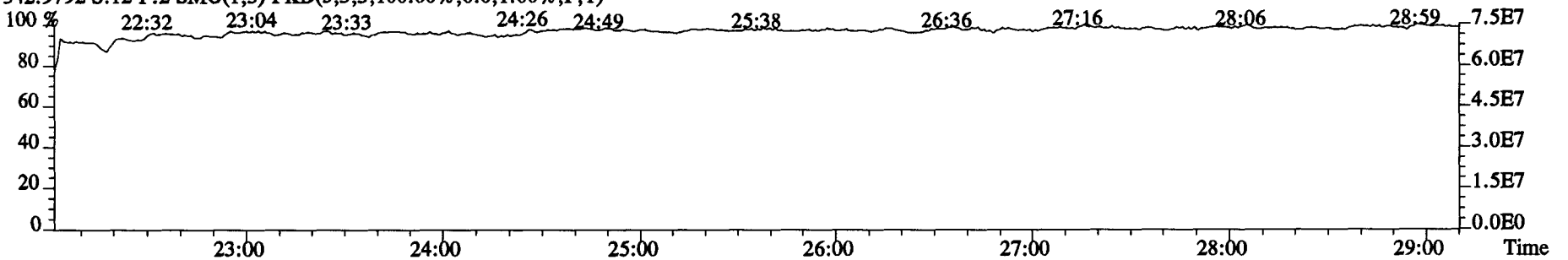


330.9792 S:12 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

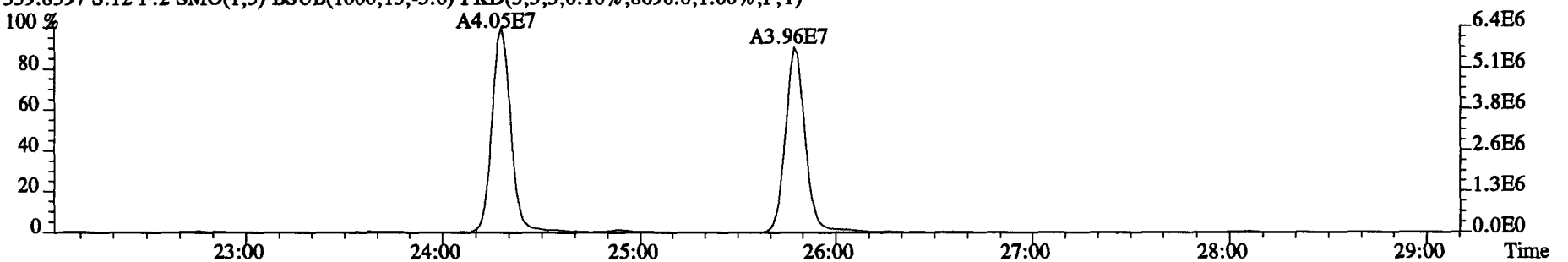


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES

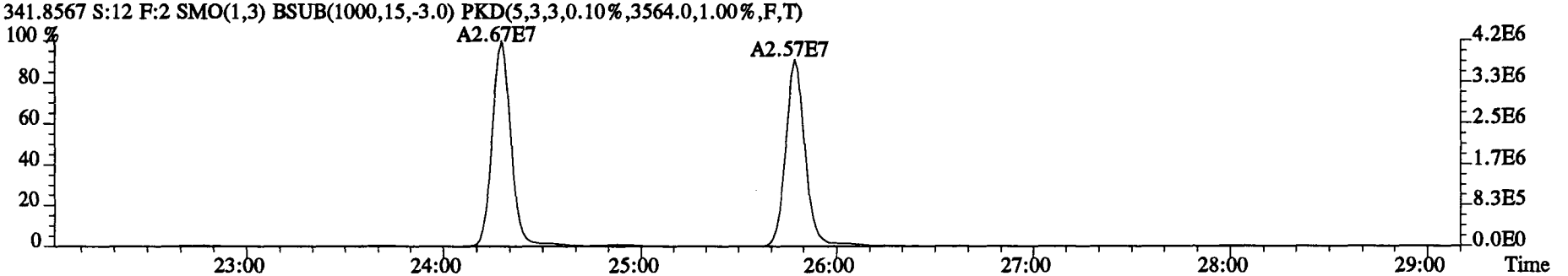
342.9792 S:12 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



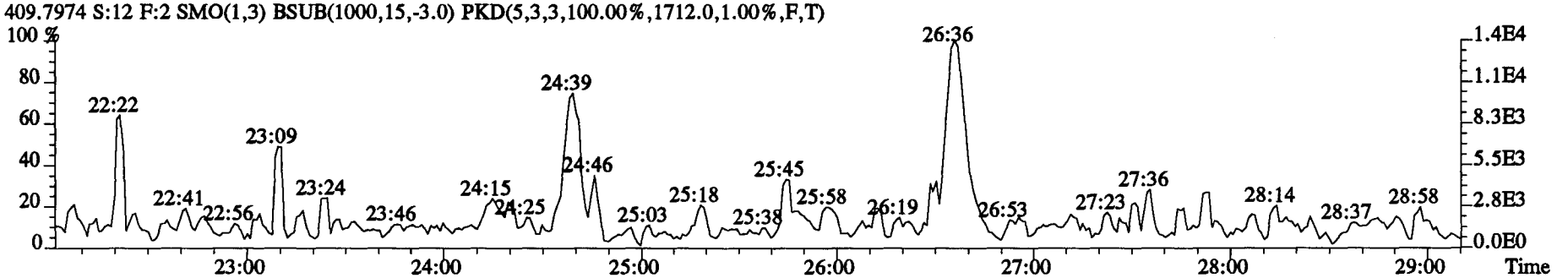
339.8597 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8696.0,1.00%,F,T)



341.8567 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3564.0,1.00%,F,T)

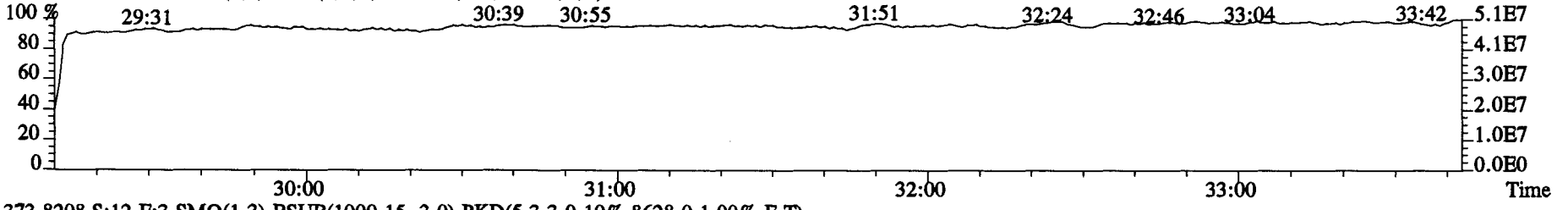


409.7974 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1712.0,1.00%,F,T)

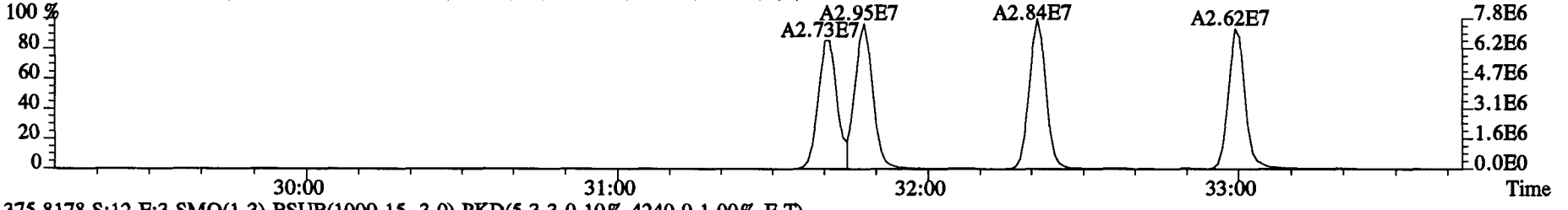


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES

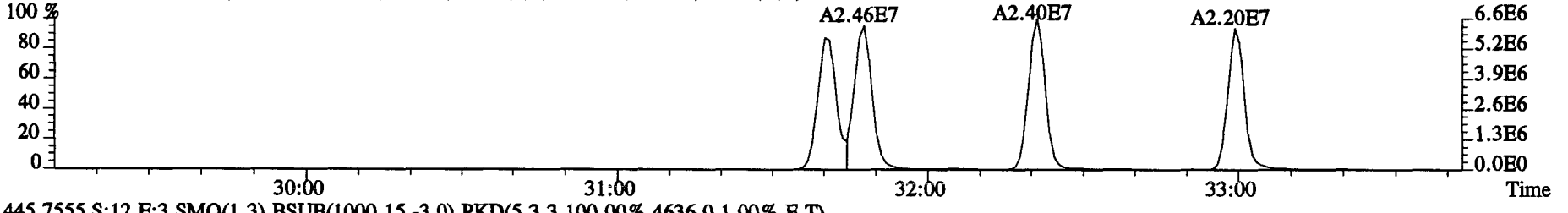
392.9760 S:12 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



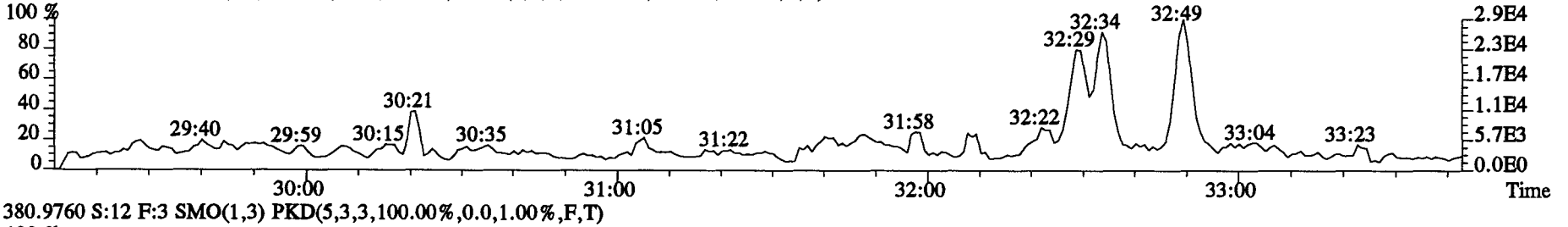
373.8208 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8628.0,1.00%,F,T)



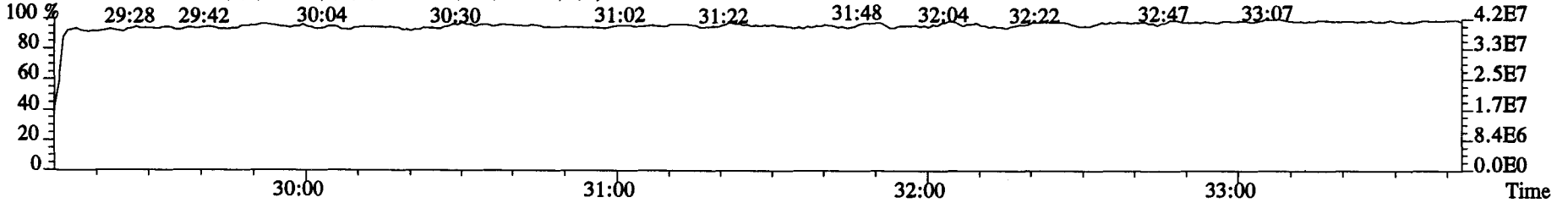
375.8178 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4240.0,1.00%,F,T)



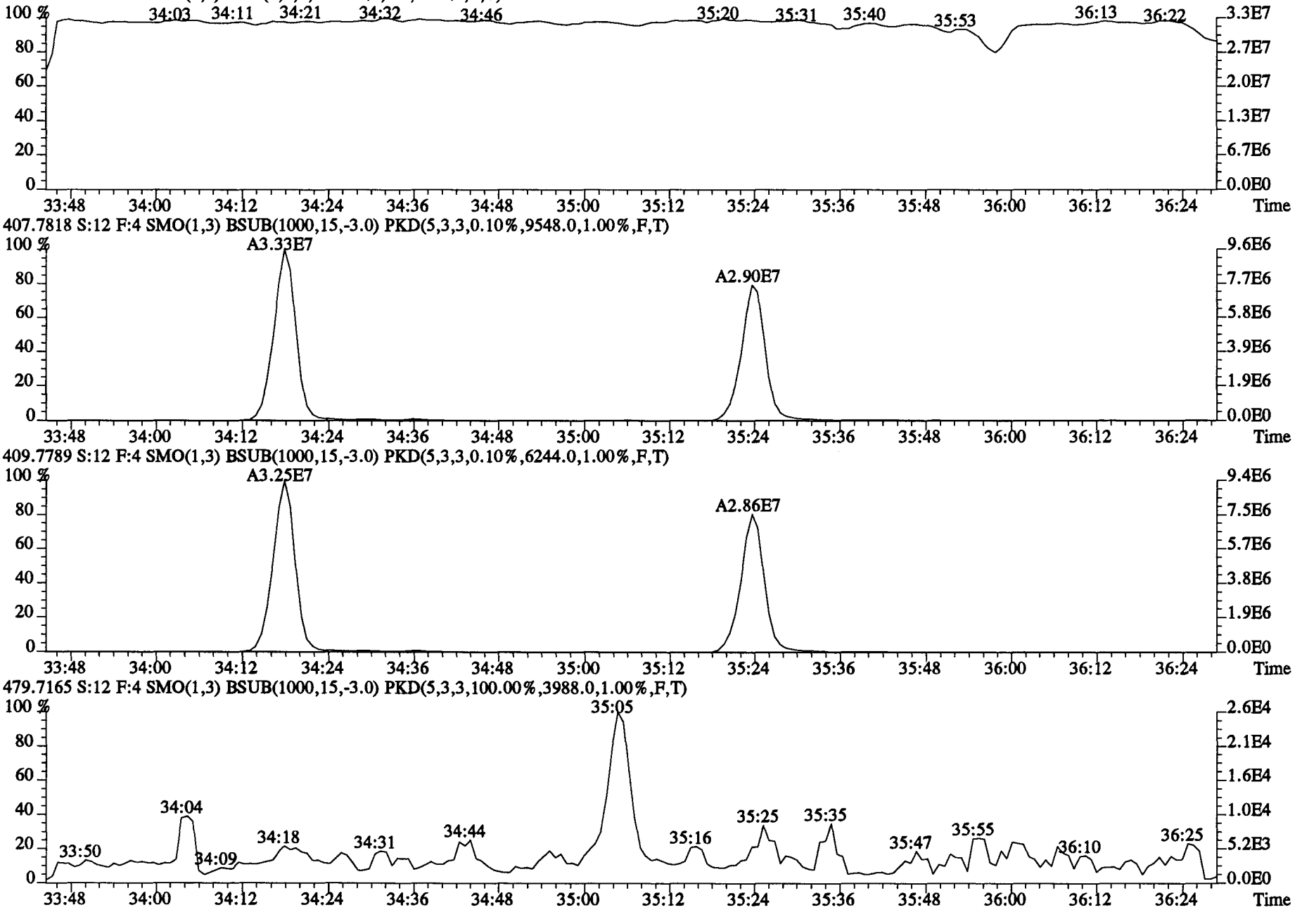
445.7555 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4636.0,1.00%,F,T)



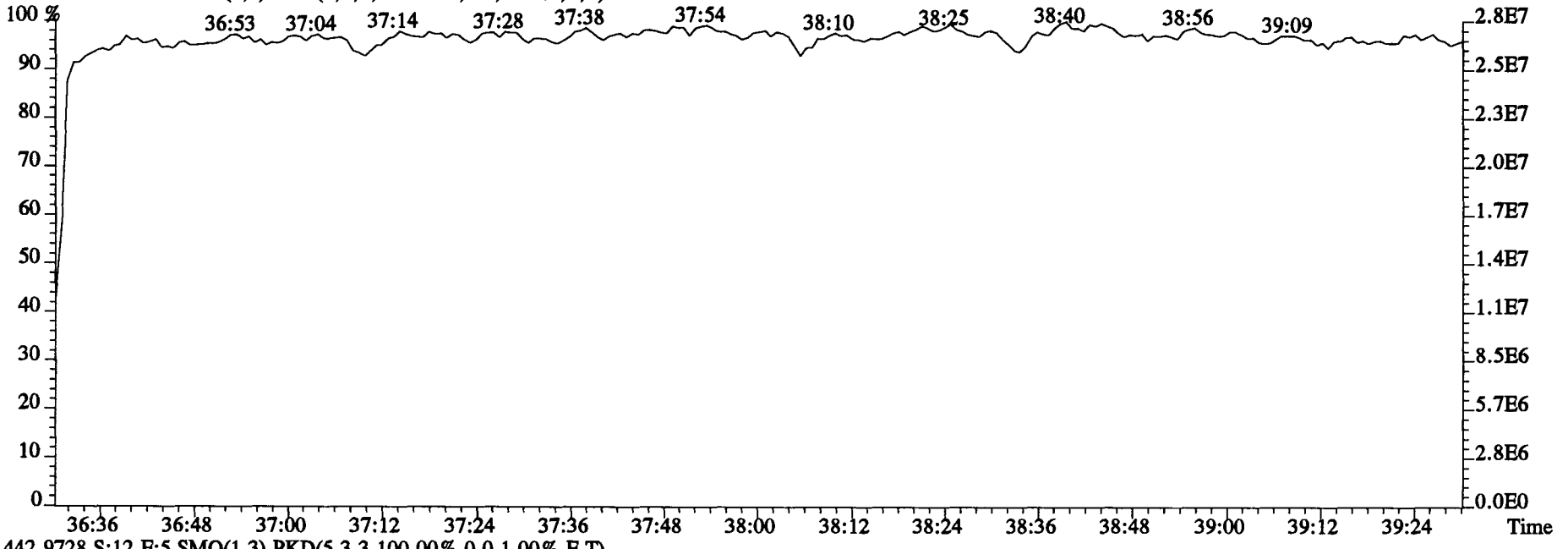
380.9760 S:12 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



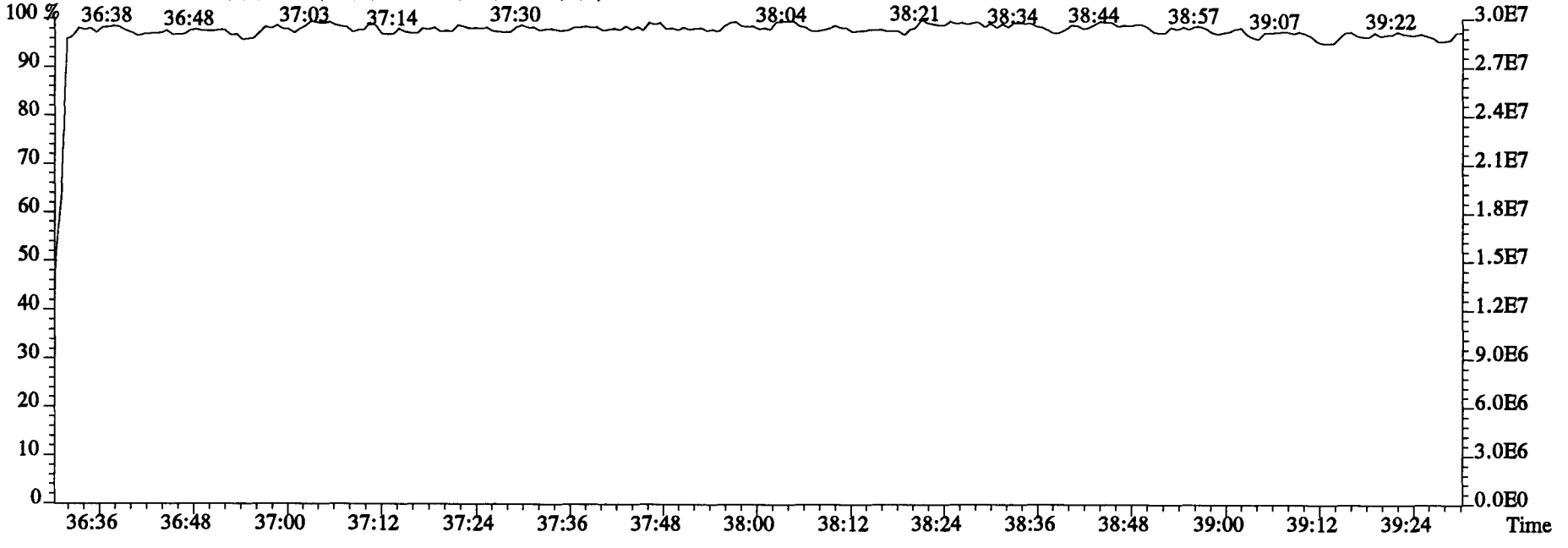
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES



File:14DE10A9D5 #1-243 Acq:14-DEC-2010 23:00:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 Text:MAXT5-1-AD :G0L040465-9DCS Exp:DIOXINRES
454.9728 S:12 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:12 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9
Run #8 Filename: 14DE10A9D5 S: 10 I: 1 Results: 14de10a9d5to9os
Acquired: 14-DEC-10 21:33:00 Processed: 15-DEC-10 10:53:06
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

DS 12-15-10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	152451600	0.75	y	19:14	-	193.223	-	-	n
13C-2,3,7,8-TCDF	150192500	0.78	y	18:38	1.11	3537.562	3.115	88.4	n
2,3,7,8-TCDF	801133	0.76	y	18:39	0.88	~~24.166~~	12.247	-	n
Total TCDF	2406935	0.67	y	16:47	0.88	~~72.604~~ 54.913	12.247	-	n
13C-2,3,7,8-TCDD	137256700	0.74	y	19:26	0.97	3705.144	12.750	92.6	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.87	*	4.263	-	n
Total TCDD	200324	1.07	n	16:59	0.87	~~6.698~~	4.263	-	n
37Cl-2,3,7,8-TCDD	61984000	1.00	y	19:26	1.22	1476.274	2.345	92.3	n
13C-1,2,3,7,8-PeCDF	126310300	1.48	y	24:17	0.92	3598.316	5.356	90.0	n
1,2,3,7,8-PeCDF	531214	1.29	n	24:18	1.06	15.802 J,Q	8.262	-	n
2,3,4,7,8-PeCDF	181196	2.33	n	25:47	1.03	~~5.584~~	8.560	-	n
Total F2 PeCDF	3558081	1.63	y	22:33	1.05	~~107.534~~ 68.2	8.408	-	n
Total F1 PeCDF	566576	1.90	n	19:14	1.05	~~17.152~~ 10.112	7.715	-	n
						78.312			
13C-1,2,3,7,8-PeCDD	116316000	1.55	y	26:36	0.83	3679.634	2.977	92.0	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.79	*	4.850	-	n
Total PeCDD	205271	0.70	n	22:59	0.79	~~8.901~~	4.850	-	n
13C-1,2,3,7,8,9-HxCDD	96702100	1.30	y	32:49	-	188.450	-	-	n
13C-1,2,3,4,7,8-HxCDF	94546800	0.51	y	31:40	1.07	3647.669	4.599	91.2	n
1,2,3,4,7,8-HxCDF	878156	1.25	y	31:41	1.06	34.958 J	5.016	-	y
1,2,3,6,7,8-HxCDF	791272	1.06	y	31:48	1.12	29.847 J	4.753	-	y
2,3,4,6,7,8-HxCDF	235171	1.48	n	32:21	1.05	9.492 J,Q	5.085	-	y
1,2,3,7,8,9-HxCDF	178237	1.37	y	33:00	0.95	7.916 J	5.596	-	y
Total HxCDF	4802225	1.07	y	30:18	1.05	~~192.175~~ 181.655	5.095	-	y
13C-1,2,3,6,7,8-HxCDD	84234500	1.30	y	32:34	0.89	3923.469	8.101	98.1	n
1,2,3,4,7,8-HxCDD	51927	0.85	n	32:29	1.11	2.214 J,Q	1.792	-	n
1,2,3,6,7,8-HxCDD	104035	1.53	n	32:35	1.16	4.261 J,Q	1.722	-	n
1,2,3,7,8,9-HxCDD	97698	0.90	n	32:50	1.20	3.861 J,Q	1.661	-	n
Total HxCDD	656338	2.45	n	31:08	1.16	~~26.847~~ 22.189	1.723	-	n
13C-1,2,3,4,6,7,8-HpCDF	90384800	0.44	y	34:18	0.95	3943.427	4.585	98.6	n
1,2,3,4,6,7,8-HpCDF	2952655	1.49	n	34:18	1.44	91.045 J,Q	3.109	-	n
1,2,3,4,7,8,9-HpCDF	1007536	1.00	y	35:25	1.23	36.350 J	3.638	-	n
Total HpCDF	5553165	1.49	n	34:18	1.33	180.362	3.353	-	n
13C-1,2,3,4,6,7,8-HpCDD	104285700	1.00	y	35:05	1.08	4011.463	8.378	100.3	n
1,2,3,4,6,7,8-HpCDD	292960	1.01	y	35:06	0.90	12.551 J	1.584	-	n
Total HpCDD	574416	3.65	n	34:18	0.90	~~24.609~~ 21.267	1.584	-	n
13C-OCDD	126174300	0.85	y	37:31	0.69	7565.554	2.568	94.6	n
OCDF	4597970	0.88	y	37:38	1.18	247.058	2.686	-	n

OCDD	543481	0.88	y	37:32	1.14	30.266 J	3.284	- n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:5
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	36.302 of which	12.083 named and	24.219 unnamed
Conc:	72.604 of which	24.166 named and	48.438 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:47	0.673	y	16.830	224518	3.278	y	n
						333431	8.187	y	n
	2	17:38	0.722	y	10.133	140826	1.989	n	n
						195110	4.630	y	n
	3	18:02	0.587	n	7.557	108987	1.682	n	n
						185633	3.835	y	n
	4	18:13	0.729	y	13.917	194561	2.572	n	n
						266827	5.396	y	n
2,3,7,8-TCDF	5	18:39	0.761	y	24.166	346277	3.519	y	n
						454856	7.539	y	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:3
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	3.349 of which	* named and	3.349 unnamed
Conc:	6.698 of which	* named and	6.698 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	16:59	1.067	n	1.265	22797	1.295	n	n
						21373	1.493	n	n
	2	17:17	0.921	n	2.789	43432	2.672	n	n
						47133	2.784	n	n
	3	18:38	3.004	n	2.644	134192	5.991	y	n
						44672	2.631	n	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:10
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	53.767 of which	10.693 named and	43.074	unnamed
Conc:	107.534 of which	21.386 named and	86.148	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	22:33	1.630	y	8.386	171667	2.636	n	n
						105337	4.347	y	n
	2	22:46	1.638	y	39.771	815797	9.726	y	n
						497949	15.442	y	n
	3	23:03	0.938	n	3.011	60450	1.216	n	n
						64437	2.548	n	n
	4	23:19	1.788	n	3.114	72125	1.334	n	n
						40334	2.067	n	n
	5	23:39	1.537	y	6.801	136111	2.788	n	n
						88546	3.164	y	n
	6	23:47	1.438	y	12.627	245992	3.286	y	n
						171120	6.524	y	n
	7	24:08	1.910	n	3.978	98419	1.745	n	n
						51527	2.639	n	n
1,2,3,7,8-PeCDF	8	24:18	1.290	n	15.802	322895	4.699	y	n
						250342	8.574	y	n
	9	24:54	1.285	n	8.460	169866	2.428	n	n
						132204	3.730	y	n
2,3,4,7,8-PeCDF	10	25:47	2.326	n	5.584	165305	2.212	n	n
						71057	3.430	y	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:3
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	8.576 of which	* named and	8.576	unnamed
Conc:	17.152 of which	* named and	17.152	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	19:14	1.901	n	3.910	96266	2.749	n	n
						50650	1.866	n	n
	2	19:26	2.384	n	3.130	96672	2.760	n	n
						40551	1.744	n	n
	3	21:01	1.590	y	10.112	205061	5.223	y	n
						128954	4.641	y	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:5
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	4.450 of which	* named and	4.450	unnamed
Conc:	8.901 of which	* named and	8.901	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	22:59	0.697	n	1.908	26753	1.949	n	n
						38359	3.805	y	n
	2	24:20	3.659	n	3.370	111506	4.548	y	n
						30477	2.863	n	n
	3	24:59	0.547	n	1.772	24834	1.607	n	n
						45415	4.440	y	n
	4	25:46	5.263	n	0.953	45385	2.163	n	n
						8623	1.057	n	n
	5	26:23	3.151	n	0.898	25578	1.507	n	n
						8117	1.299	n	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:10
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00

Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	90.216 of which	47.272 named and	42.944 unnamed
Conc:	180.431 of which	94.543 named and	85.888 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	30:18	1.068 y	21.337	272561	6.323	y	n
					255118	15.521	y	n
	2	30:33	1.173 y	36.499	487278	12.711	y	n
					415358	25.525	y	n
	3	30:59	1.425 y	5.321	77329	2.288	n	n
					54265	4.583	y	n
	4	31:14	0.953 n	5.199	71175	2.032	n	n
					74717	6.293	y	n
1,2,3,4,7,8-HxCDF	5	31:41	1.211 y	39.803	547643	15.775	y	n
					452220	34.520	y	n
1,2,3,6,7,8-HxCDF	6	31:48	0.993 n	24.974	366513	11.535	y	n
					369209	31.211	y	n
	7	31:54	1.193 y	9.571	128773	4.199	y	n
					107910	9.402	y	n
	8	32:08	1.449 n	7.962	127333	2.959	n	n
					87899	5.611	y	n
2,3,4,6,7,8-HxCDF	9	32:17	1.417 y	16.811	244156	4.128	y	n
					172340	8.171	y	n
1,2,3,7,8,9-HxCDF	10	33:04	1.319 y	12.955	165925	3.219	y	n
					125763	6.229	y	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:13
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14de10a9

Amount:	96.09 of which	41.11 named and	54.98 unnamed
Conc:	192.17 of which	82.21 named and	109.96 unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?	
	1	30:18	1.07	y	21.34	272561	6.3	y	n	
						255118	15.5	y	n	
	2	30:33	1.17	y	36.50	487278	12.7	y	n	
						415358	25.5	y	n	
	3	30:59	1.43	y	5.32	77329	2.3	n	n	
						54265	4.6	y	n	
	4	31:14	0.95	n	5.20	71175	2.0	n	n	
						74717	6.3	y	n	
	5	31:39	1.36	y	8.02	114239	7.8	y	y	
						83992	16.0	y	y	
1,2,3,4,7,8-HxCDF	6	31:41	1.25	y	34.96	487951	16.5	y	y	
						390205	35.2	y	y	
1,2,3,6,7,8-HxCDF	7	31:48	1.06	y	29.85	407832	12.3	y	y	
						383440	31.9	y	y	
	8	31:54	1.19	y	9.57	128773	4.2	y	n	
						107910	9.4	y	n	
	9	32:08	1.45	n	7.96	127333	3.0	n	n	
						87899	5.6	y	n	
	10	32:17	1.52	n	8.82	147894	4.7	y	y	
						97353	8.9	y	y	
2,3,4,6,7,8-HxCDF	11	32:21	1.48	n	9.49	154858	4.5	y	y	
						104987	8.9	y	y	
1,2,3,7,8,9-HxCDF	12	33:00	1.37	y	7.92	103071	3.6	y	y	
						75166	6.9	y	y	
	13	33:04	1.46	n	7.24	116618	3.9	y	y	
						79924	6.4	y	y	

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:8
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	13.423 of which	5.168 named and	8.255 unnamed
Conc:	26.847 of which	10.336 named and	16.510 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	31:08	2.445 n	0.967	25758	2.716	n	n
					10534	2.128	n	n
	2	31:41	1.527 n	7.314	121602	12.611	y	n
					79638	7.874	y	n
	3	31:58	1.269 y	4.537	61889	7.414	y	n
					48771	7.309	y	n
	4	32:20	4.623 n	1.654	83281	10.749	y	n
					18014	3.041	y	n
1,2,3,4,7,8-HxCDD	5	32:29	0.851 n	2.214	28746	5.417	y	n
					33775	5.156	y	n
1,2,3,6,7,8-HxCDD	6	32:35	1.528 n	4.261	70979	7.671	y	n
					46444	6.940	y	n
1,2,3,7,8,9-HxCDD	7	32:50	0.903 n	3.861	54083	7.226	y	n
					59900	7.417	y	n
	8	32:59	3.460 n	2.037	76736	11.546	y	n
					22179	2.942	n	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	90.181 of which	63.697 named and	26.484 unnamed
Conc:	180.362 of which	127.394 named and	52.968 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:18	1.485 n	91.045	2149860	86.198	y	n
					1447380	160.828	y	n
	2	34:30	1.029 y	20.609	314291	13.072	y	n
					305512	32.199	y	n
	3	34:36	0.951 y	32.359	474269	18.149	y	n

					498902	53.867	y	n
1,2,3,4,7,8,9-HpCDF	4	35:25	1.001 y	36.350	504103	19.767	y	n
					503433	51.926	y	n

Run Text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 8 File: 14DE10A9D5 S:10 Acq:14-DEC-10 21:33:00
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

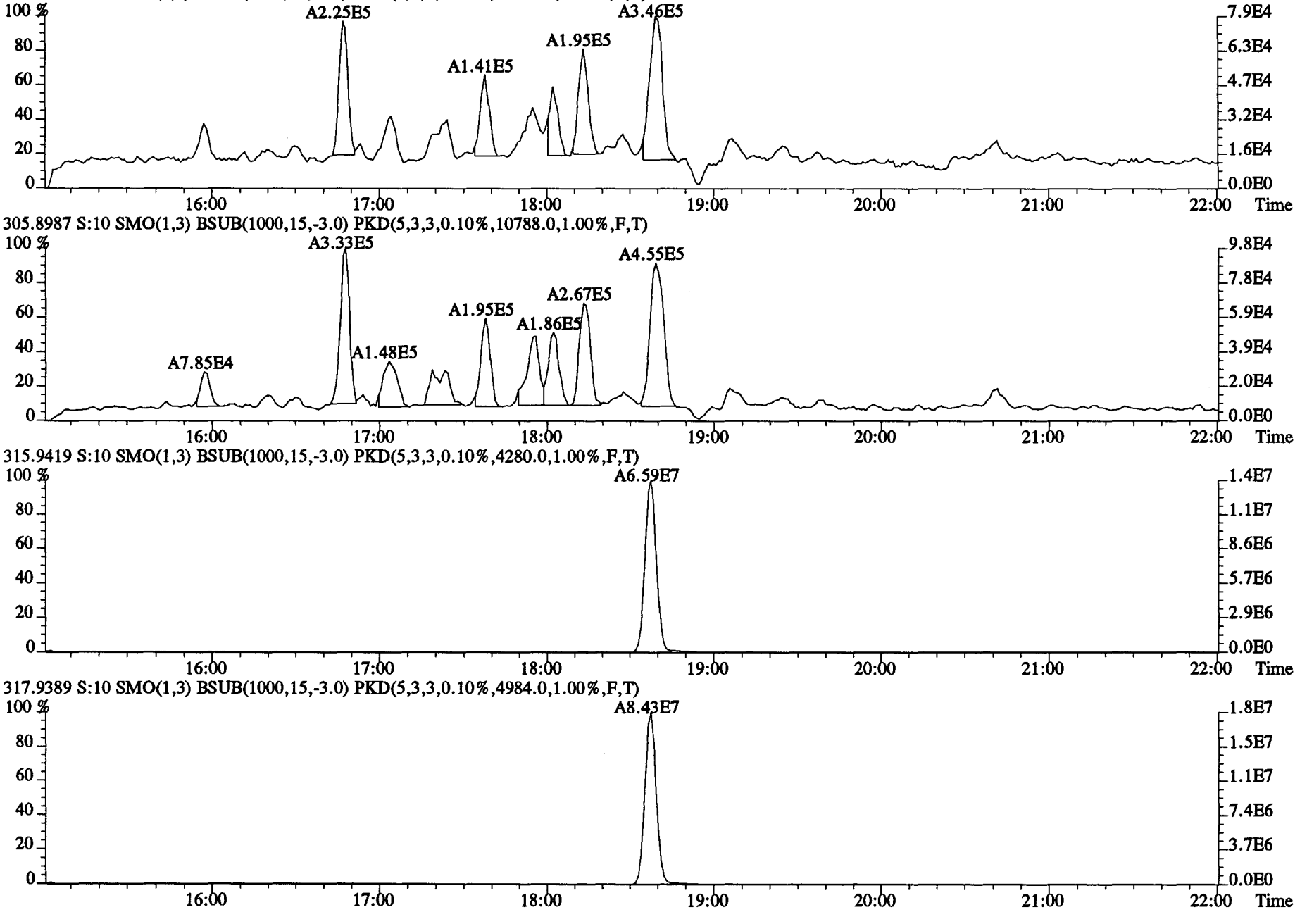
Amount:	12.304 of which	6.275 named and	6.029 unnamed
Conc:	24.609 of which	12.551 named and	12.058 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	34:18	3.652 n	1.694	70786	8.916	y	n
					19382	4.142	y	n
	2	34:33	1.049 y	8.716	104161	14.846	y	n
					99285	18.551	y	n
1,2,3,4,6,7,8-HpCDD	3	35:06	1.008 y	12.551	147035	19.666	y	n
					145925	25.619	y	n
	4	35:24	3.115 n	1.648	58737	8.762	y	n
					18859	2.742	n	n

Run text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9
Run #8 Filename: 14DE10A9D5 S: 10 I: 1 Results: 14DE10A9D5TO9
Acquired: 14-DEC-10 21:33:00 Processed: 15-DEC-10 10:53:06
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

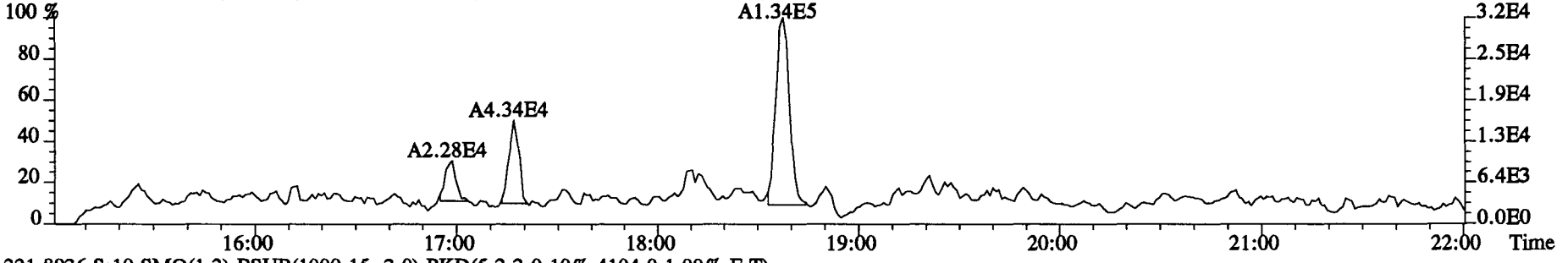
Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	152451600	0.75	y	19:14	-	193.223	-	-	n
13C-2,3,7,8-TCDF	150192500	0.78	y	18:38	1.11	3537.562	3.115	88.4	n
2,3,7,8-TCDF	801133	0.76	y	18:39	0.88	24.166	12.247	-	n
Total TCDF	2406935	0.67	y	16:47	0.88	72.604	12.247	-	n
13C-2,3,7,8-TCDD	137256700	0.74	y	19:26	0.97	3705.144	12.750	92.6	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.87	*	4.263	-	n
Total TCDD	200324	1.07	n	16:59	0.87	6.698	4.263	-	n
37Cl-2,3,7,8-TCDD	61984000	1.00	y	19:26	1.22	1476.274	2.345	92.3	n
13C-1,2,3,7,8-PeCDF	126310300	1.48	y	24:17	0.92	3598.316	5.356	90.0	n
1,2,3,7,8-PeCDF	531214	1.29	n	24:18	1.06	15.802	8.262	-	n
2,3,4,7,8-PeCDF	181196	2.33	n	25:47	1.03	5.584	8.560	-	n
Total F2 PeCDF	3558081	1.63	y	22:33	1.05	107.534	8.408	-	n
Total F1 PeCDF	566576	1.90	n	19:14	1.05	17.152	7.715	-	n
13C-1,2,3,7,8-PeCDD	116316000	1.55	y	26:36	0.83	3679.634	2.977	92.0	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.79	*	4.850	-	n
Total PeCDD	205271	0.70	n	22:59	0.79	8.901	4.850	-	n
13C-1,2,3,7,8,9-HxCDD	96702100	1.30	y	32:49	-	188.450	-	-	n
13C-1,2,3,4,7,8-HxCDF	94546800	0.51	y	31:40	1.07	3647.669	4.599	91.2	n
1,2,3,4,7,8-HxCDF	999863	1.21	y	31:41	1.06	39.803	5.016	-	n
1,2,3,6,7,8-HxCDF	662088	0.99	n	31:48	1.12	24.974	4.753	-	n
2,3,4,6,7,8-HxCDF	416496	1.42	y	32:17	1.05	16.811	5.085	-	n
1,2,3,7,8,9-HxCDF	291688	1.32	y	33:04	0.95	12.955	5.596	-	n
Total HxCDF	4494195	1.07	y	30:18	1.05	180.431	5.095	-	n
13C-1,2,3,6,7,8-HxCDD	84234500	1.30	y	32:34	0.89	3923.469	8.101	98.1	n
1,2,3,4,7,8-HxCDD	51927	0.85	n	32:29	1.11	2.214	1.792	-	n
1,2,3,6,7,8-HxCDD	104035	1.53	n	32:35	1.16	4.261	1.722	-	n
1,2,3,7,8,9-HxCDD	97698	0.90	n	32:50	1.20	3.861	1.661	-	n
Total HxCDD	656338	2.45	n	31:08	1.16	26.847	1.723	-	n
13C-1,2,3,4,6,7,8-HpCDF	90384800	0.44	y	34:18	0.95	3943.427	4.585	98.6	n
1,2,3,4,6,7,8-HpCDF	2952655	1.49	n	34:18	1.44	91.045	3.109	-	n
1,2,3,4,7,8,9-HpCDF	1007536	1.00	y	35:25	1.23	36.350	3.638	-	n
Total HpCDF	5553165	1.49	n	34:18	1.33	180.362	3.353	-	n
13C-1,2,3,4,6,7,8-HpCDD	104285700	1.00	y	35:05	1.08	4011.463	8.378	100.3	n
1,2,3,4,6,7,8-HpCDD	292960	1.01	y	35:06	0.90	12.551	1.584	-	n
Total HpCDD	574416	3.65	n	34:18	0.90	24.609	1.584	-	n
13C-OCDD	126174300	0.85	y	37:31	0.69	7565.554	2.568	94.6	n
OCDF	4597970	0.88	y	37:38	1.18	247.058	2.686	-	n
OCDD	543481	0.88	y	37:32	1.14	30.266	3.284	-	n

File:14DE10A9D5 #1-464 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

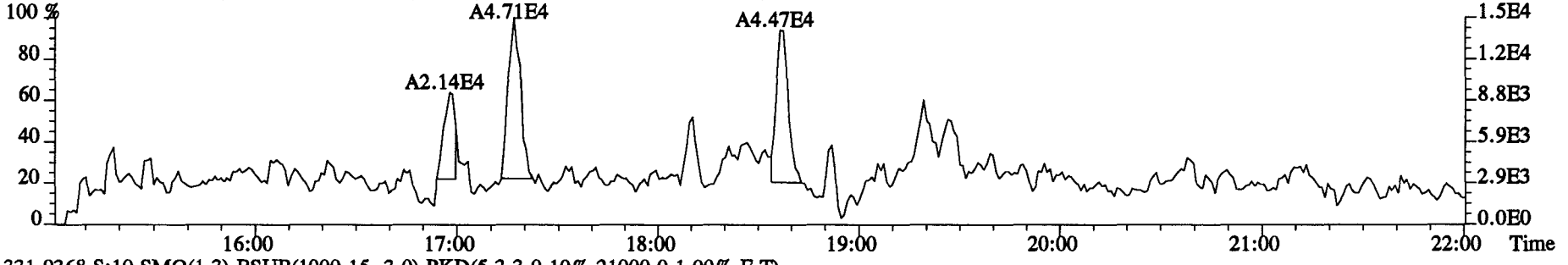


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

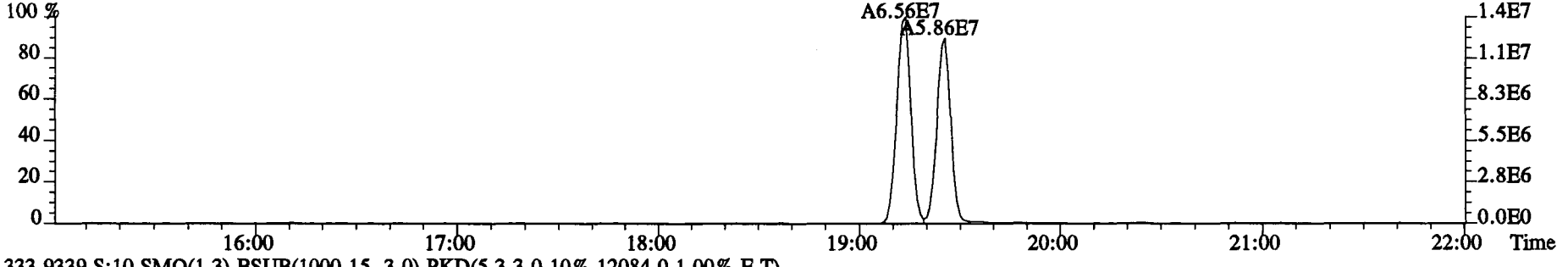
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4816.0,1.00%,F,T)



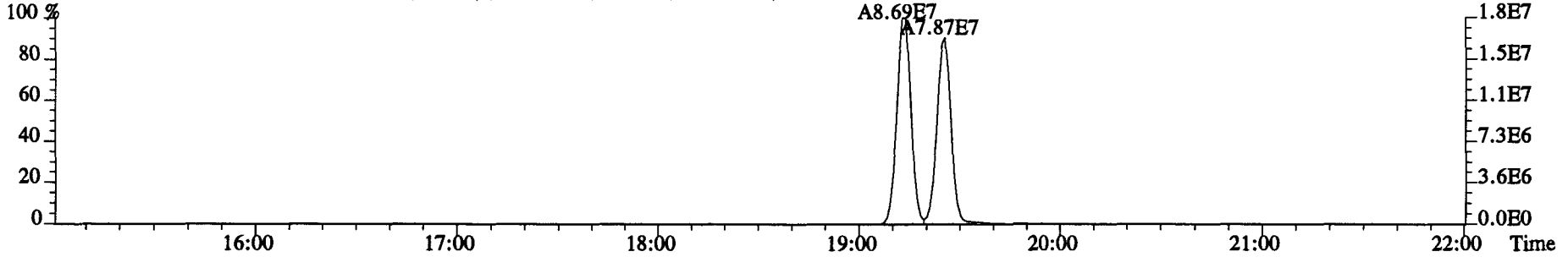
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4104.0,1.00%,F,T)



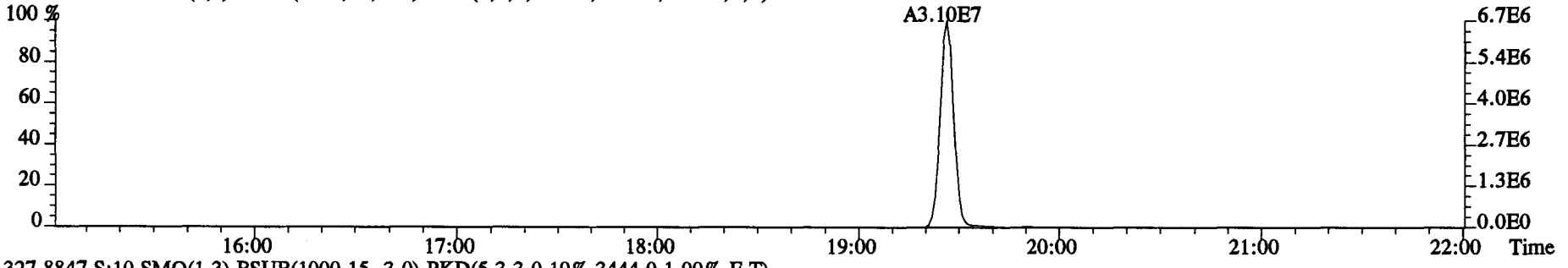
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21000.0,1.00%,F,T)



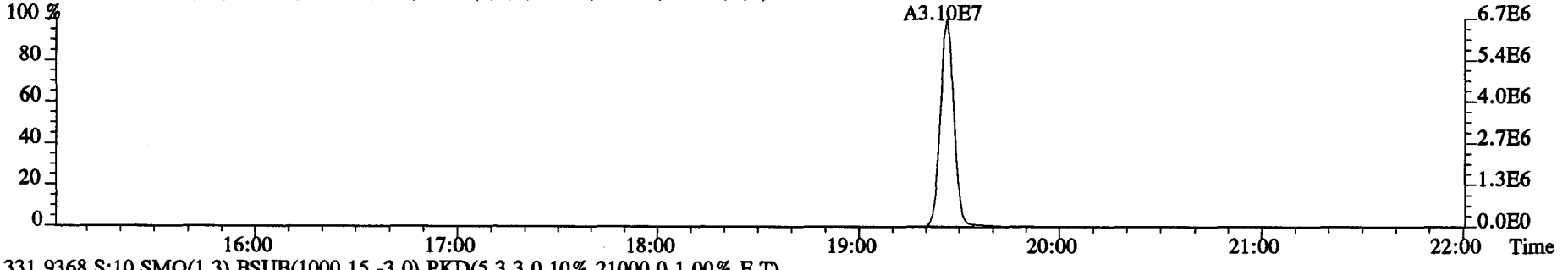
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12084.0,1.00%,F,T)



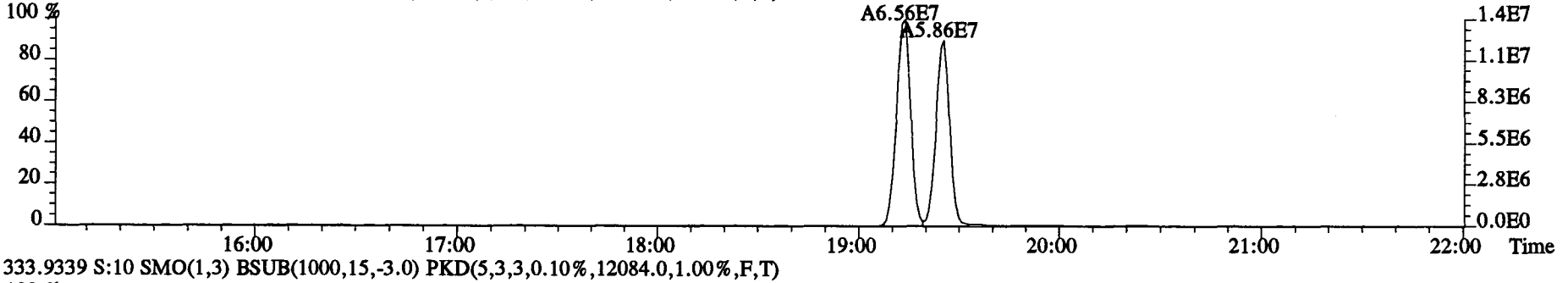
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
327.8847 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3444.0,1.00%,F,T)



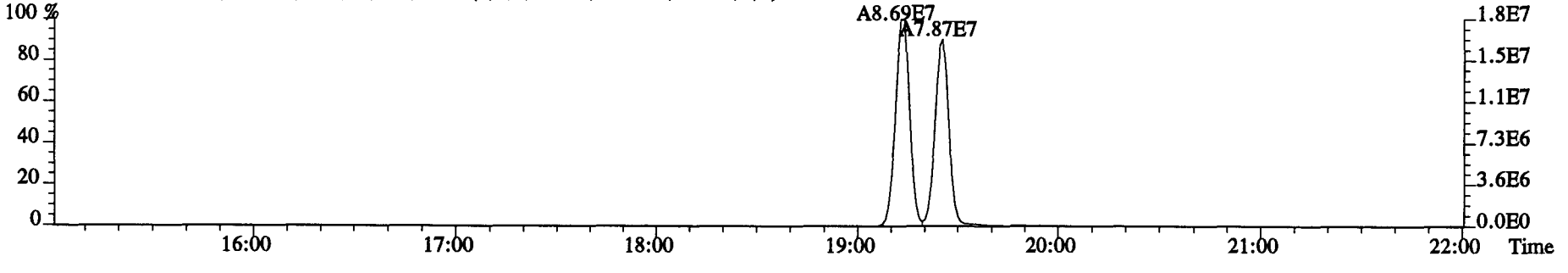
327.8847 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3444.0,1.00%,F,T)



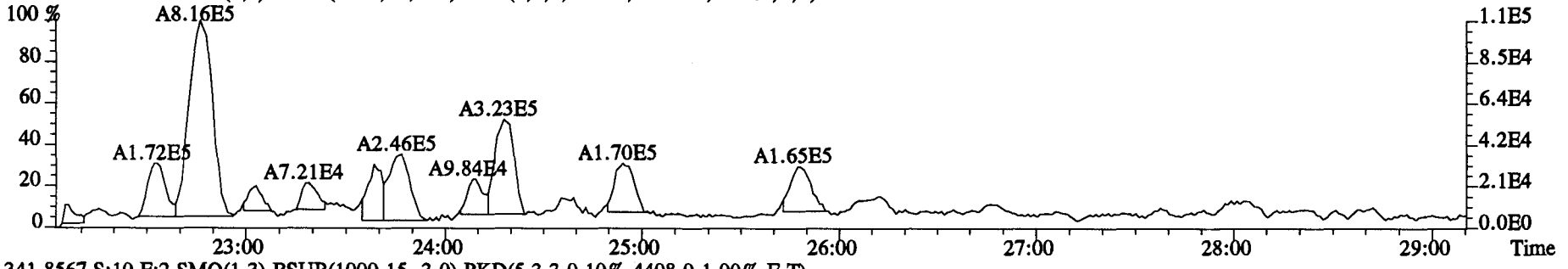
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21000.0,1.00%,F,T)



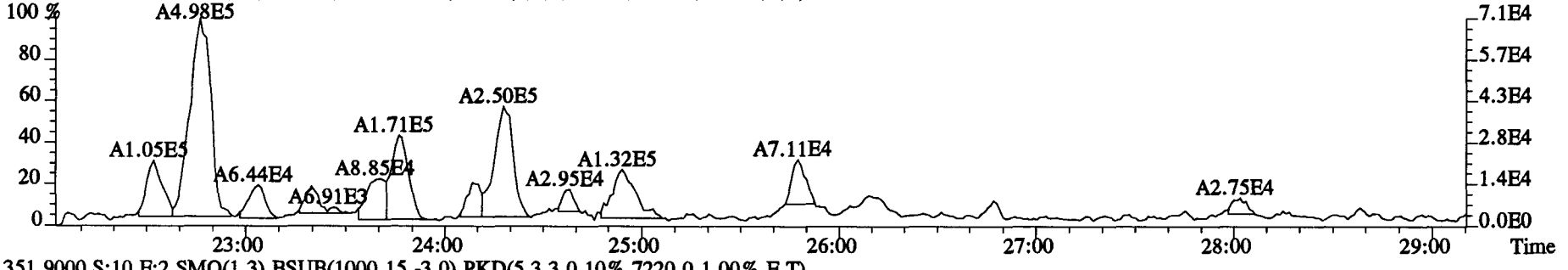
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12084.0,1.00%,F,T)



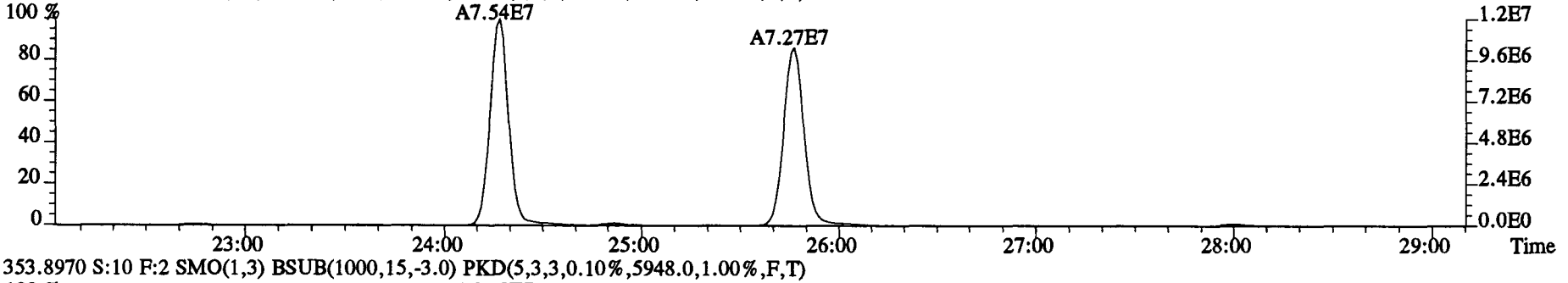
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
339.8597 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10328.0,1.00%,F,T)



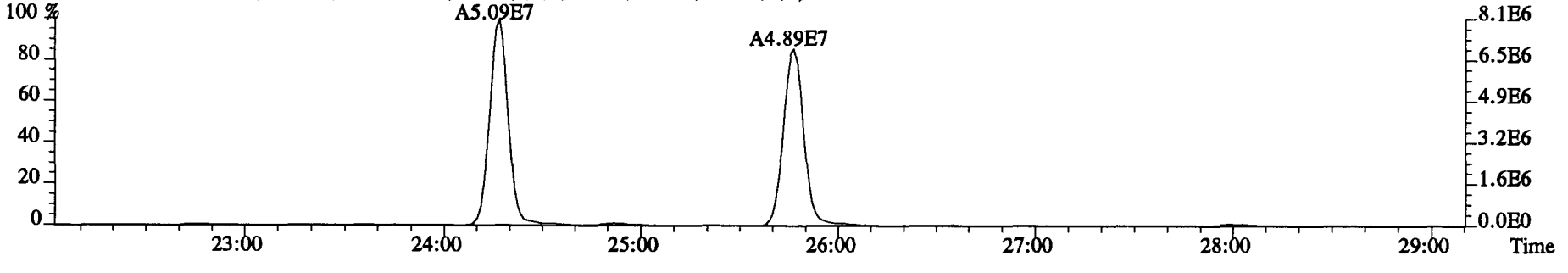
341.8567 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4408.0,1.00%,F,T)



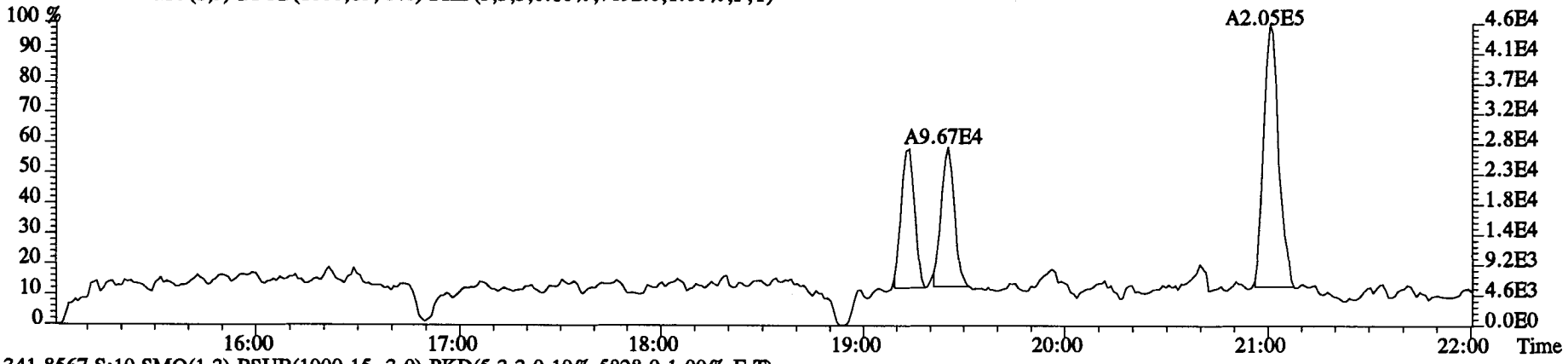
351.9000 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7220.0,1.00%,F,T)



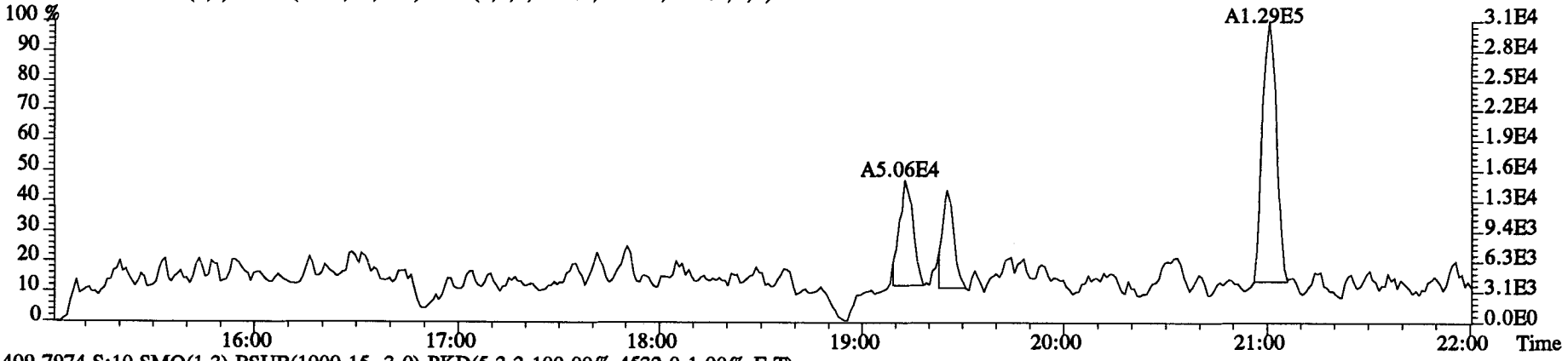
353.8970 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5948.0,1.00%,F,T)



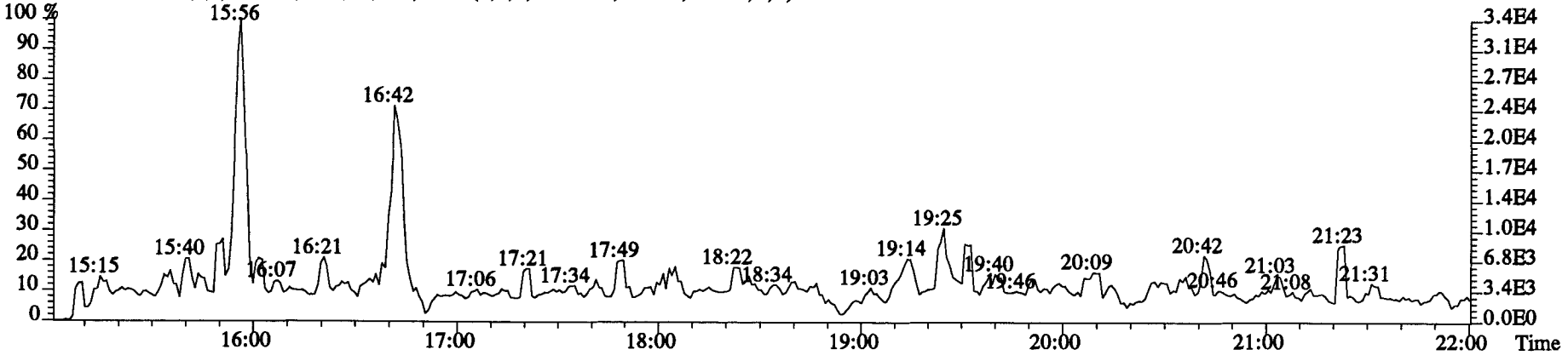
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
339.8597 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7692.0,1.00%,F,T)



341.8567 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5828.0,1.00%,F,T)

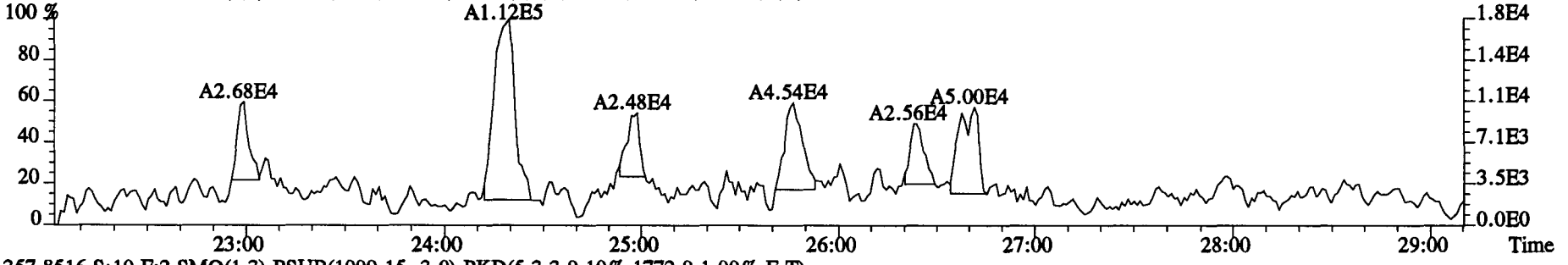


409.7974 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4532.0,1.00%,F,T)

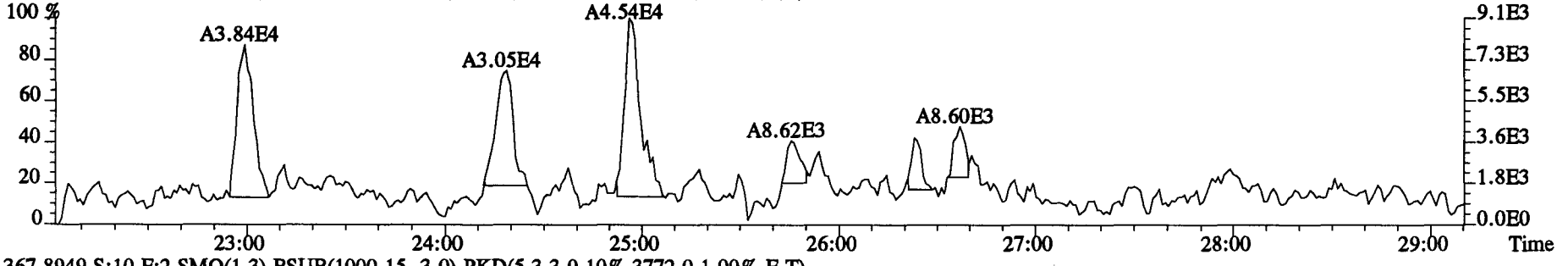


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

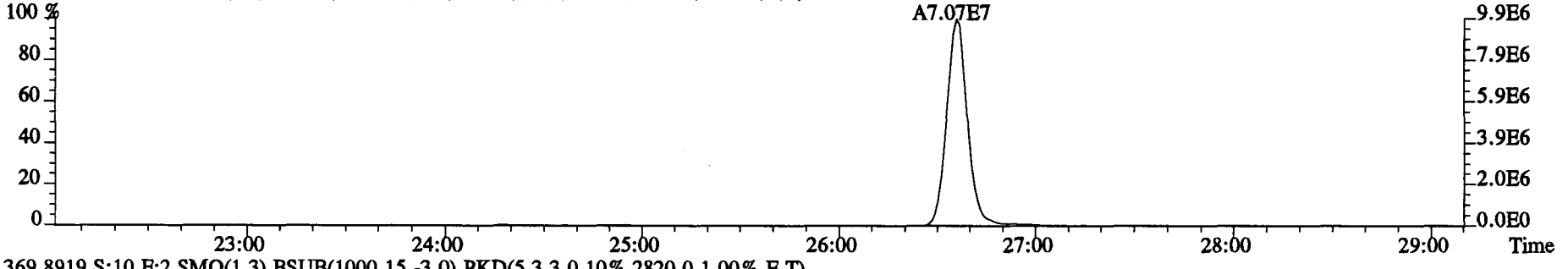
355.8546 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3424.0,1.00%,F,T)



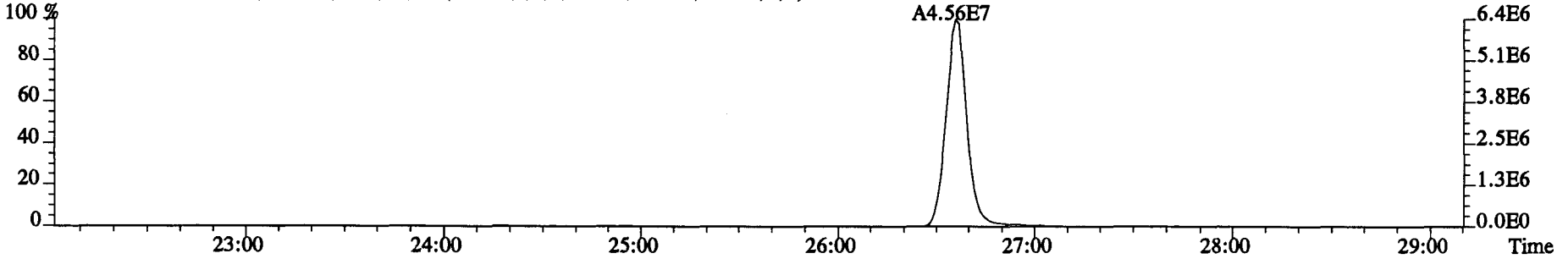
357.8516 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1772.0,1.00%,F,T)



367.8949 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3772.0,1.00%,F,T)

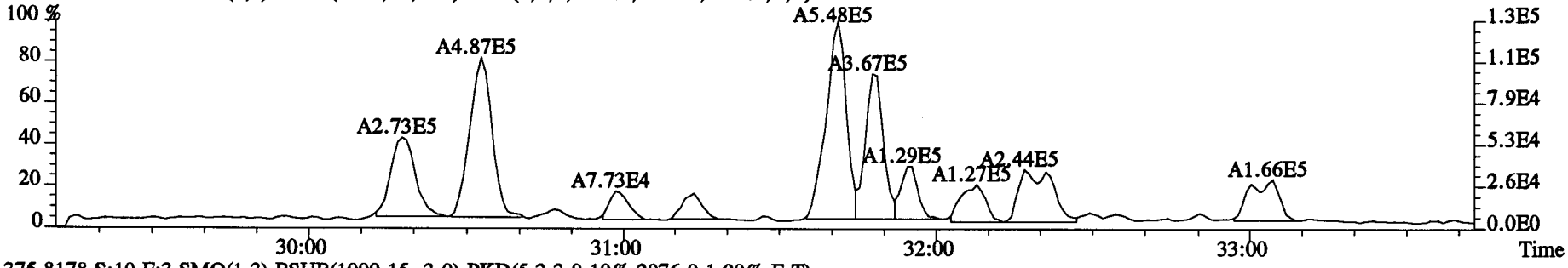


369.8919 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2820.0,1.00%,F,T)

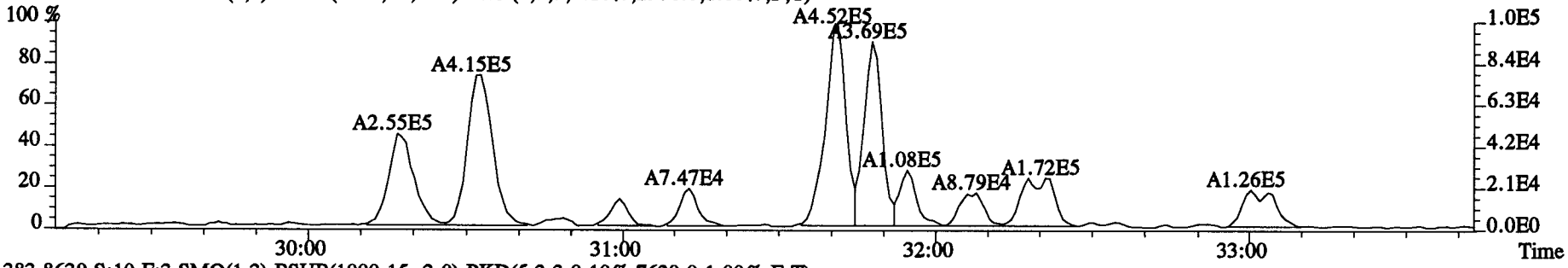


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

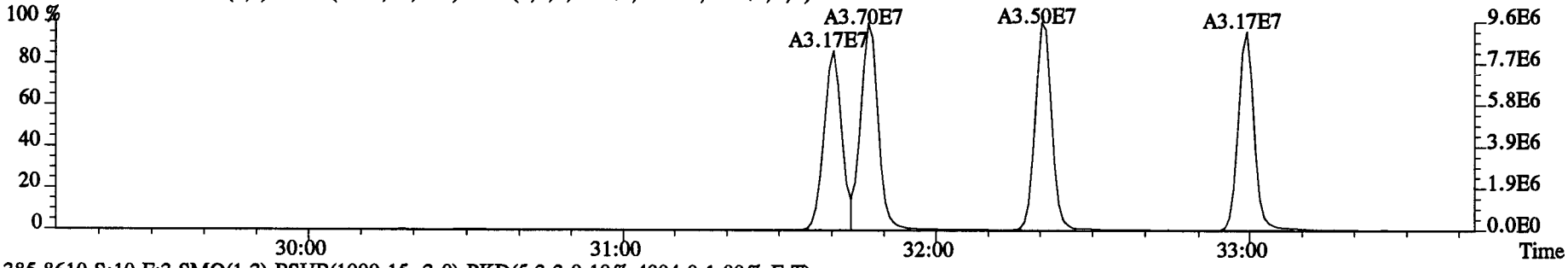
373.8208 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7992.0,1.00%,F,T)



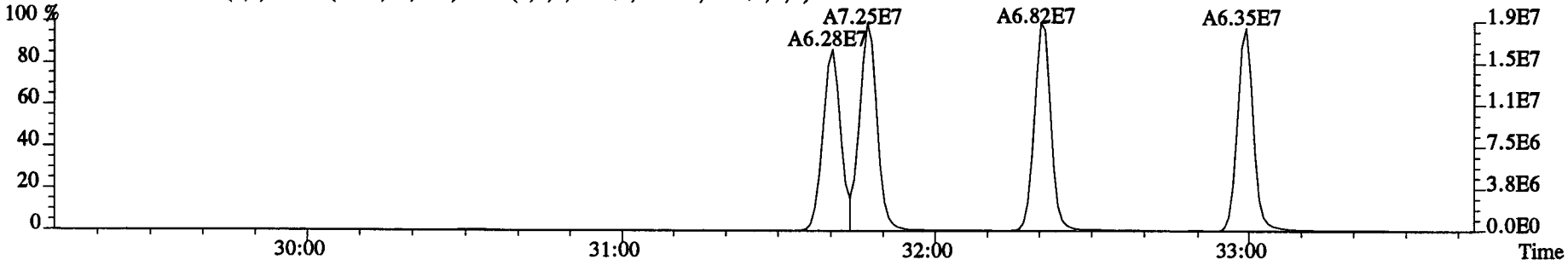
375.8178 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2976.0,1.00%,F,T)



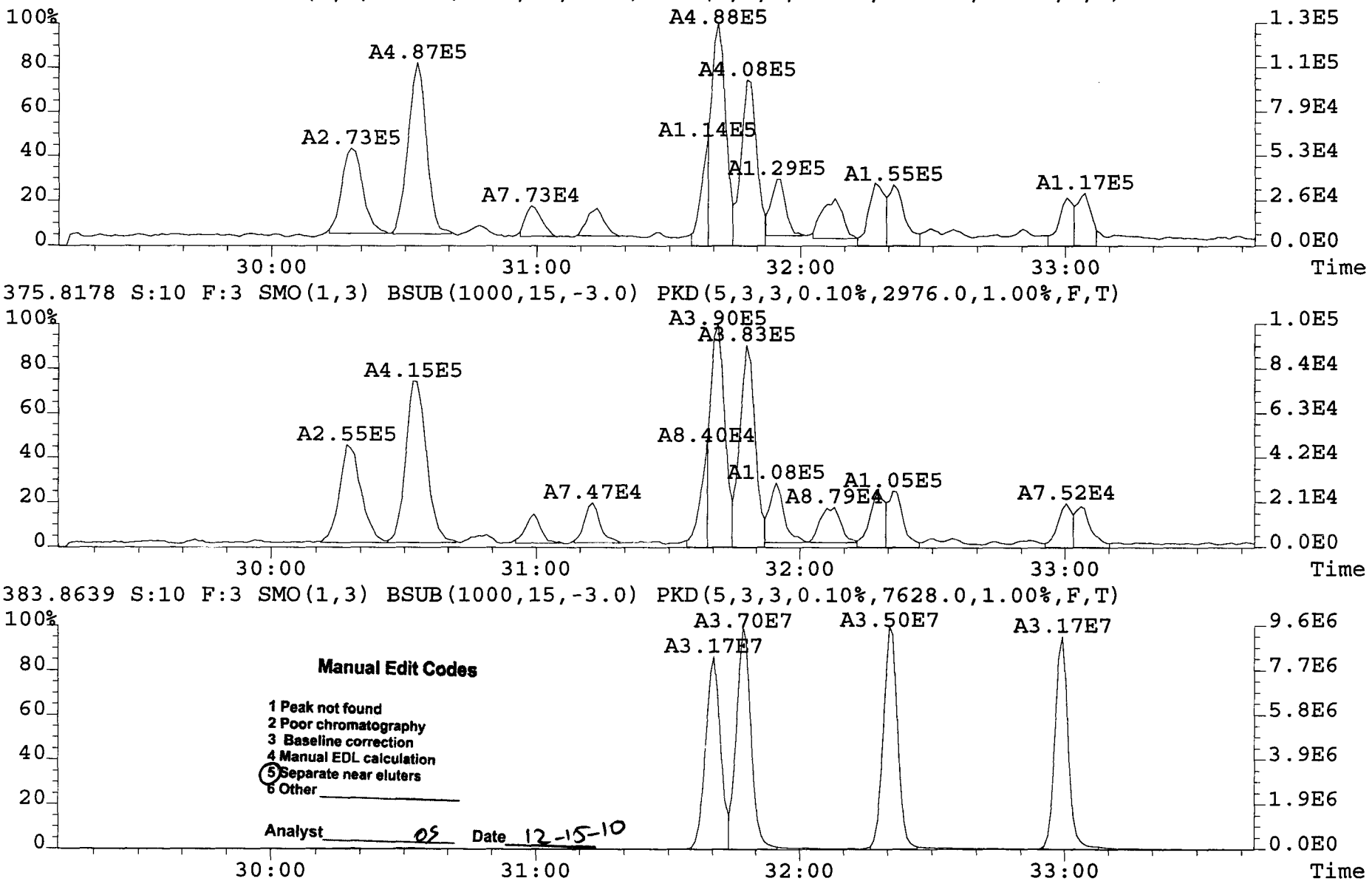
383.8639 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7628.0,1.00%,F,T)



385.8610 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4004.0,1.00%,F,T)



File:14DE10A9D5 #1-326 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES



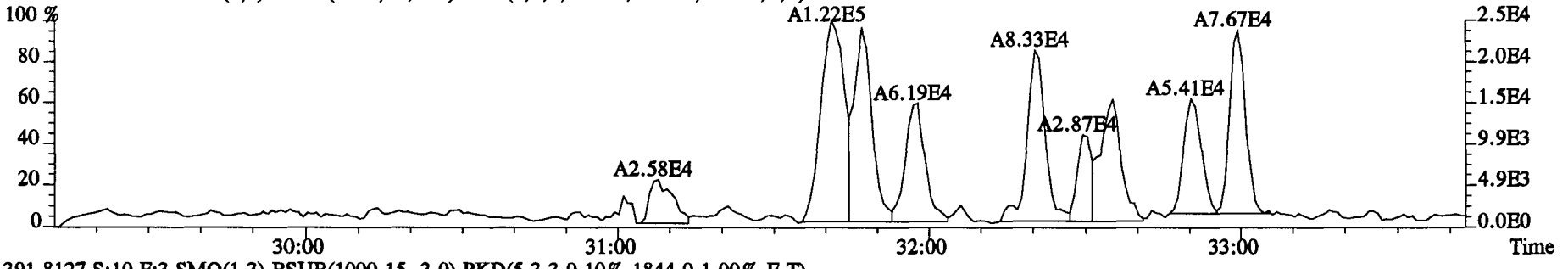
Manual Edit Codes

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

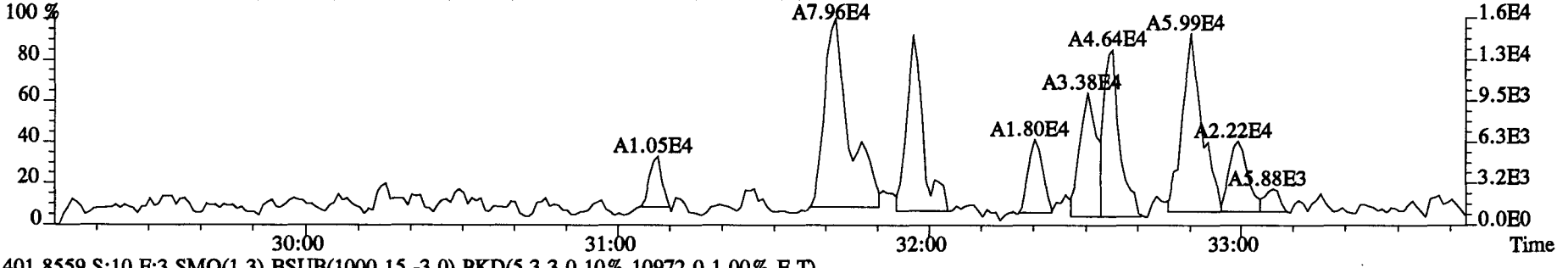
Analyst OS Date 12-15-10

File:14DE10A9D5 #1-326 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

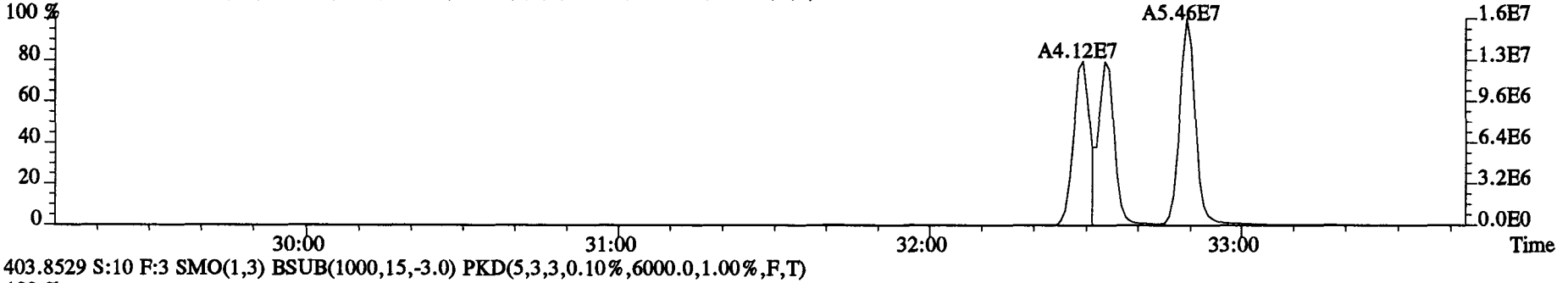
389.8157 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1904.0,1.00%,F,T)



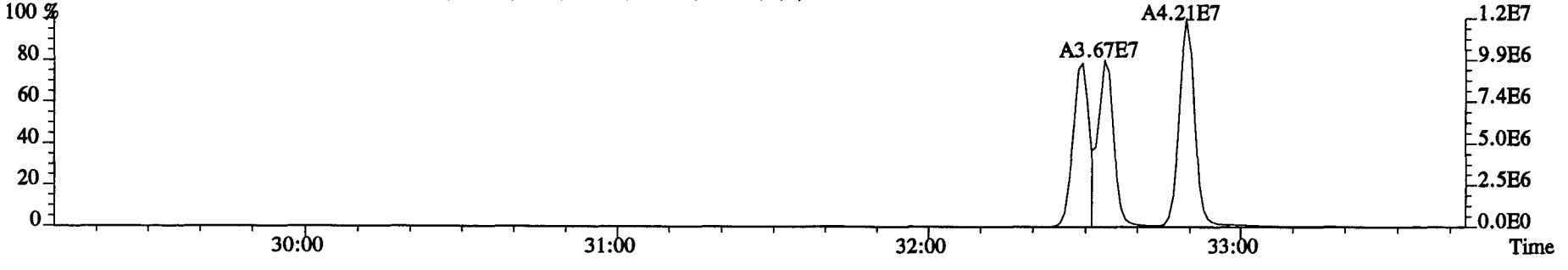
391.8127 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1844.0,1.00%,F,T)



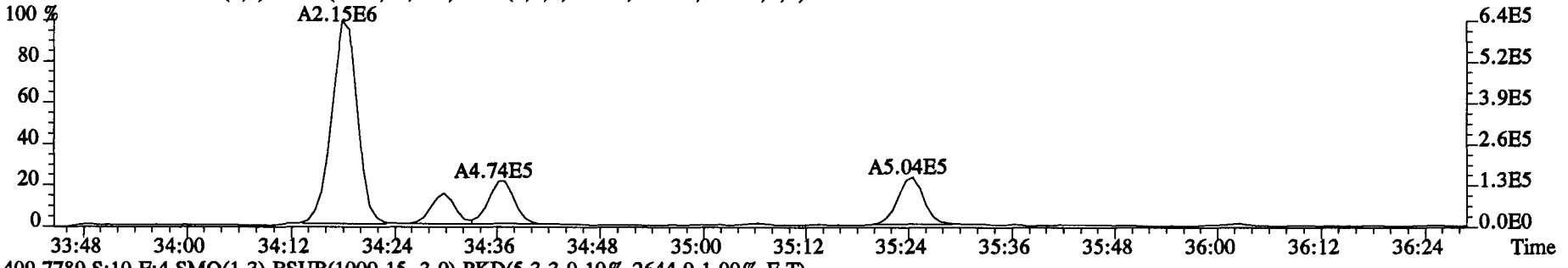
401.8559 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10972.0,1.00%,F,T)



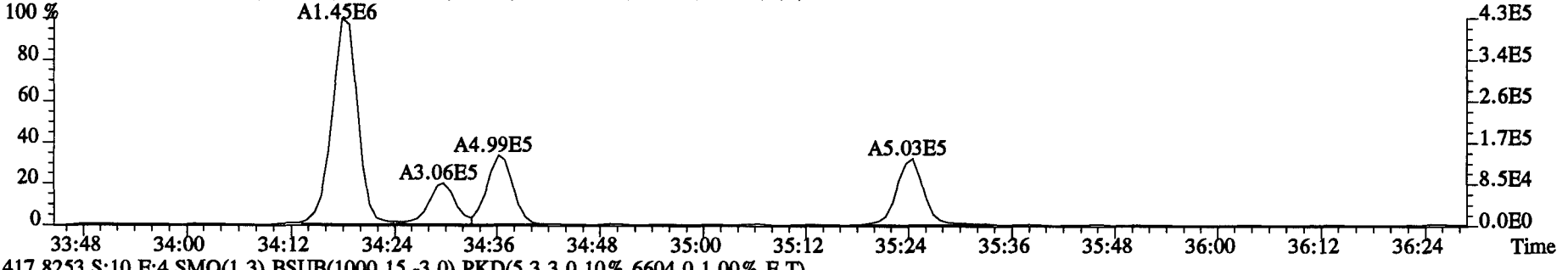
403.8529 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6000.0,1.00%,F,T)



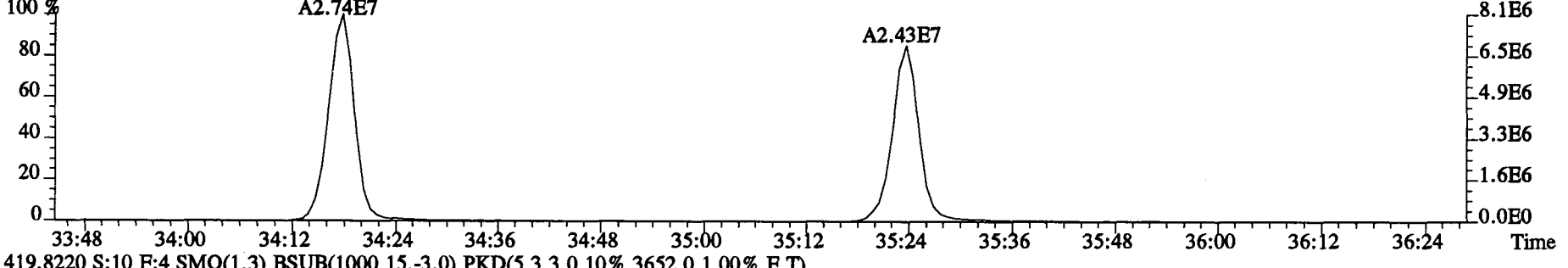
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
407.7818 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7380.0,1.00%,F,T)



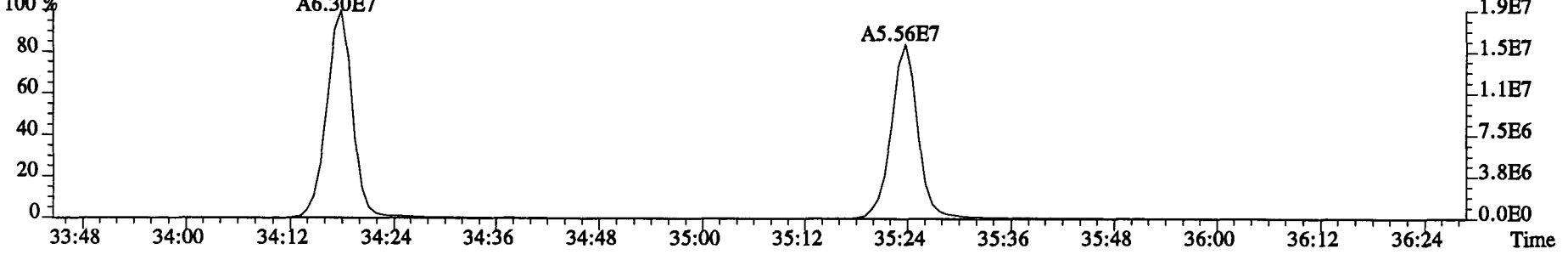
409.7789 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2644.0,1.00%,F,T)

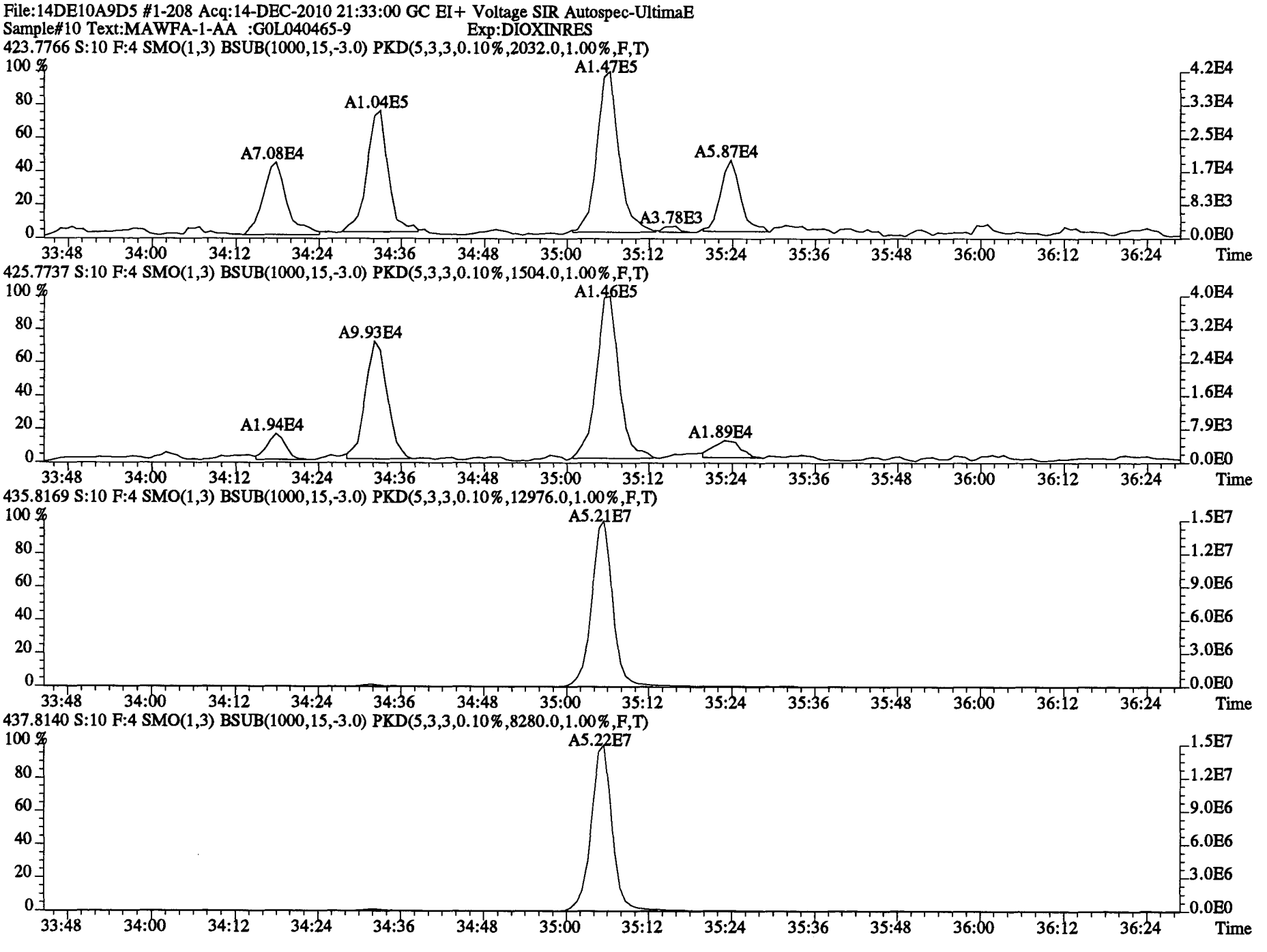


417.8253 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6604.0,1.00%,F,T)

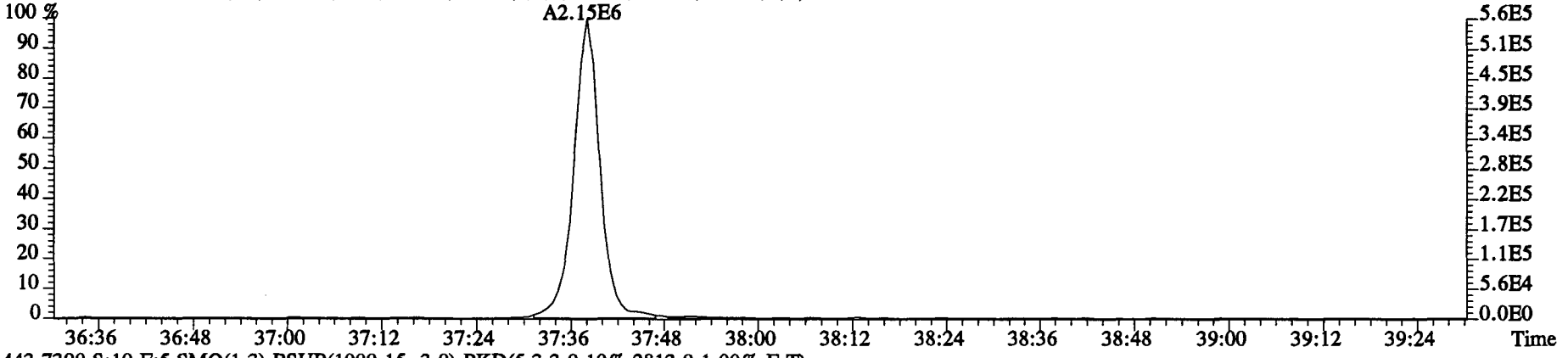


419.8220 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3652.0,1.00%,F,T)

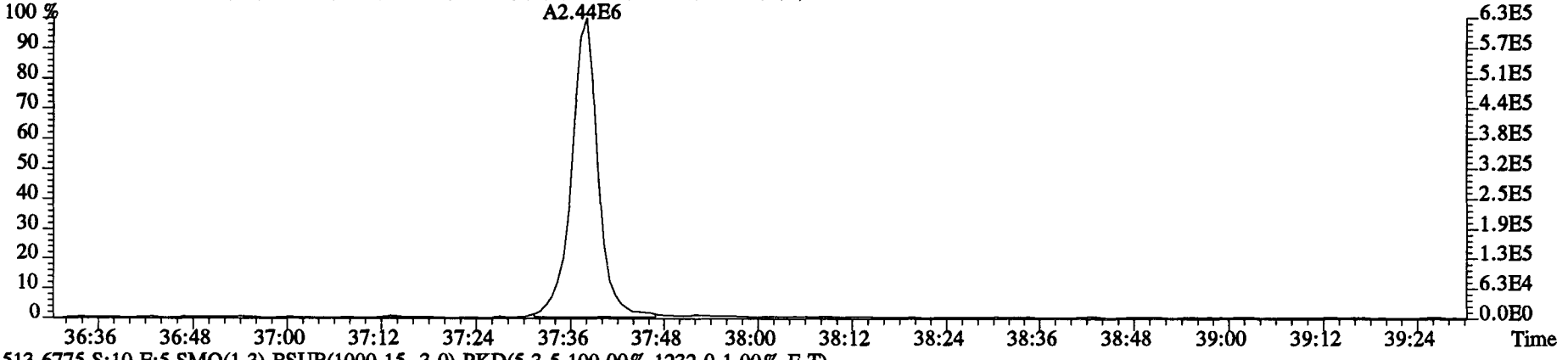



File:14DE10A9D5 #1-208 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
423.7766 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2032.0,1.00%,F,T)
A7.08E4
A1.04E5
A1.47E5
A3.78E3
A5.87E4
425.7737 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1504.0,1.00%,F,T)
A1.94E4
A9.93E4
A1.46E5
A1.89E4
435.8169 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12976.0,1.00%,F,T)
A5.21E7
437.8140 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8280.0,1.00%,F,T)
A5.22E7
100 %
80
60
40
20
0
33:48
34:00
34:12
34:24
34:36
34:48
35:00
35:12
35:24
35:36
35:48
36:00
36:12
36:24
Time
4.2E4
3.3E4
2.5E4
1.7E4
8.3E3
0.0E0
4.0E4
3.2E4
2.4E4
1.6E4
7.9E3
1.5E7
1.2E7
9.0E6
6.0E6
3.0E6

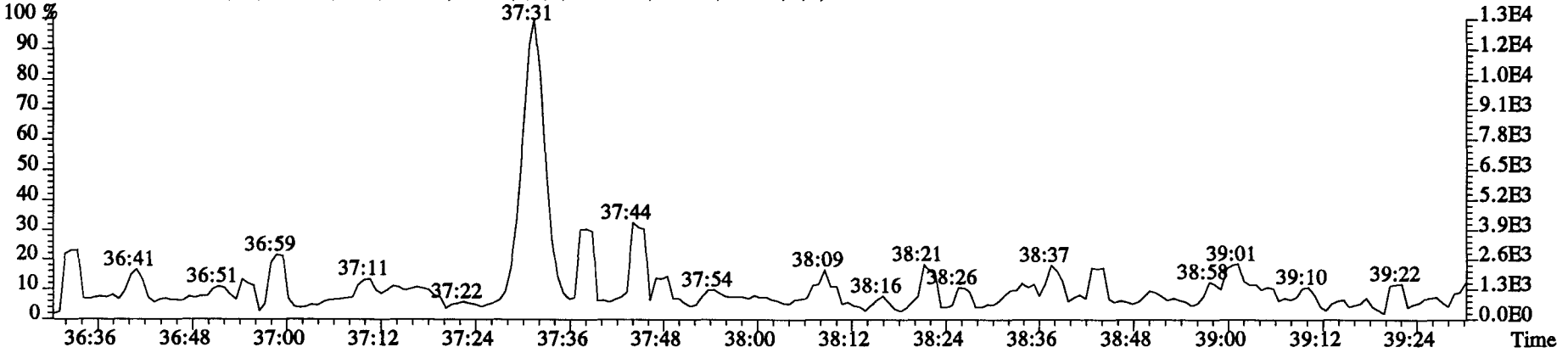
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
441.7428 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1532.0,1.00%,F,T)



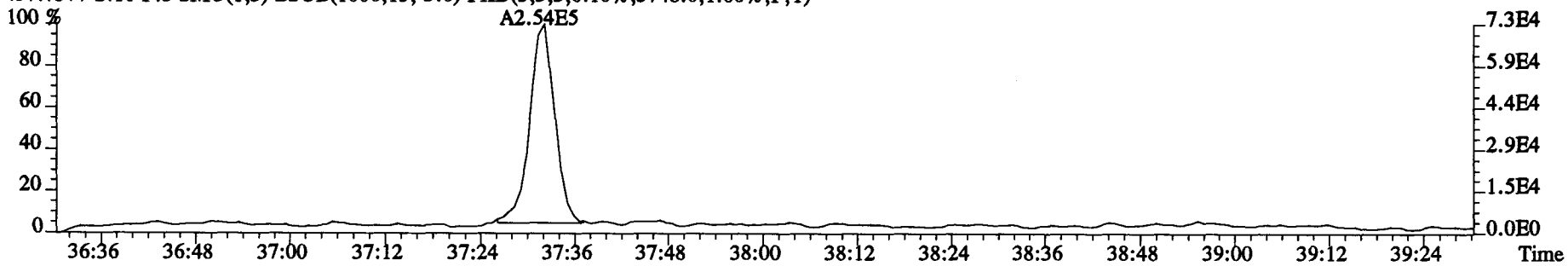
443.7399 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2812.0,1.00%,F,T)



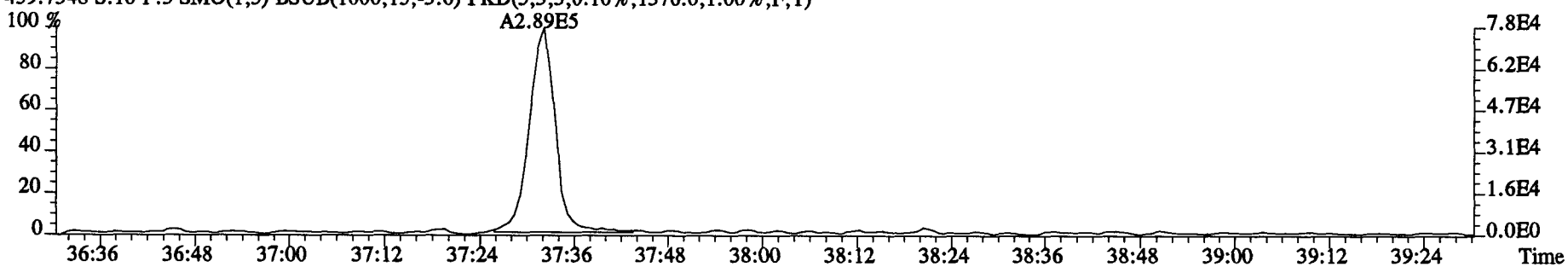
513.6775 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1232.0,1.00%,F,T)



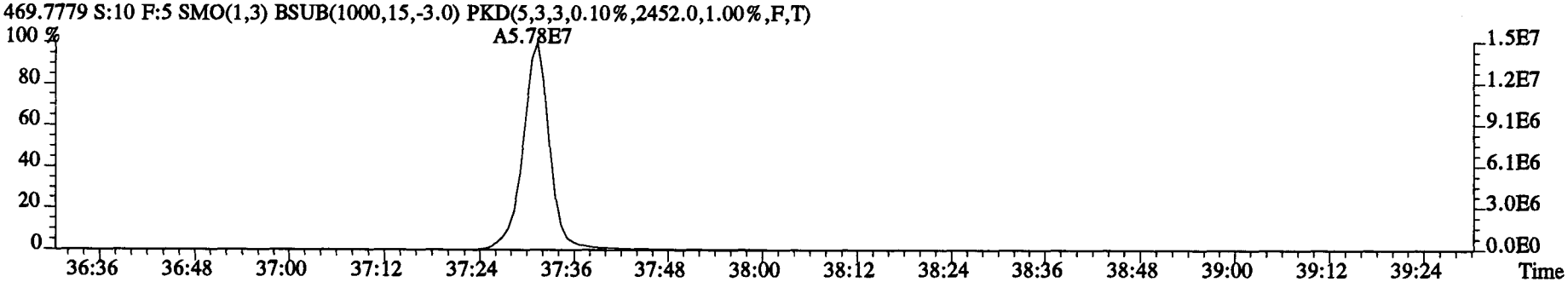
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
457.7377 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3748.0,1.00%,F,T)



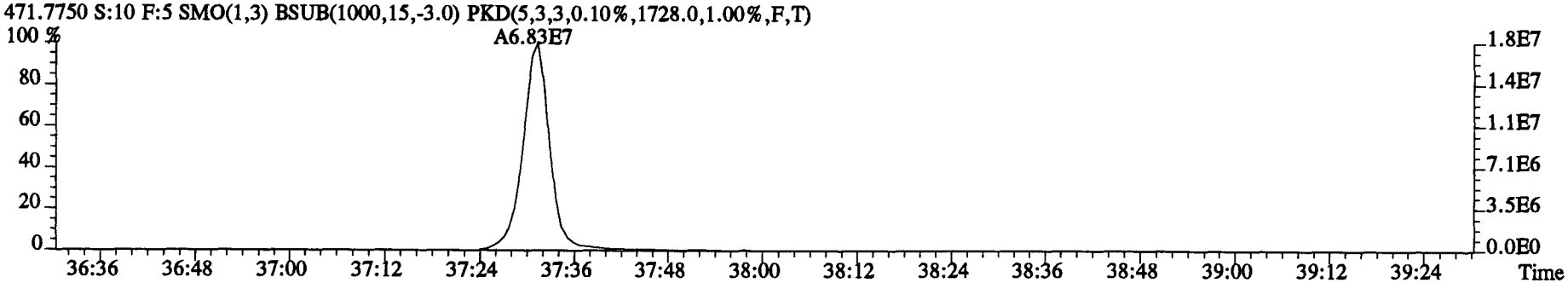
459.7348 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1376.0,1.00%,F,T)



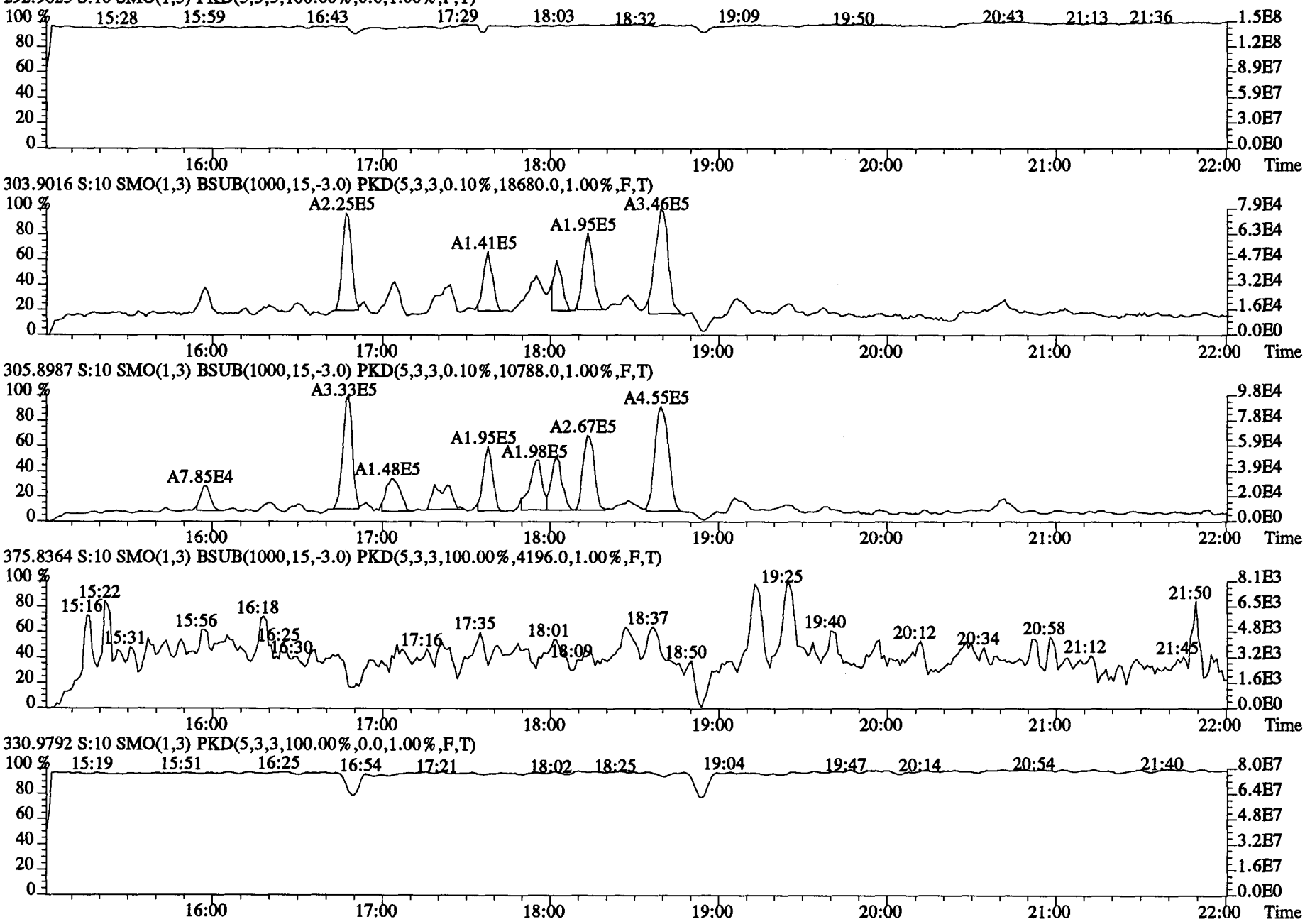
469.7779 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2452.0,1.00%,F,T)



471.7750 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1728.0,1.00%,F,T)

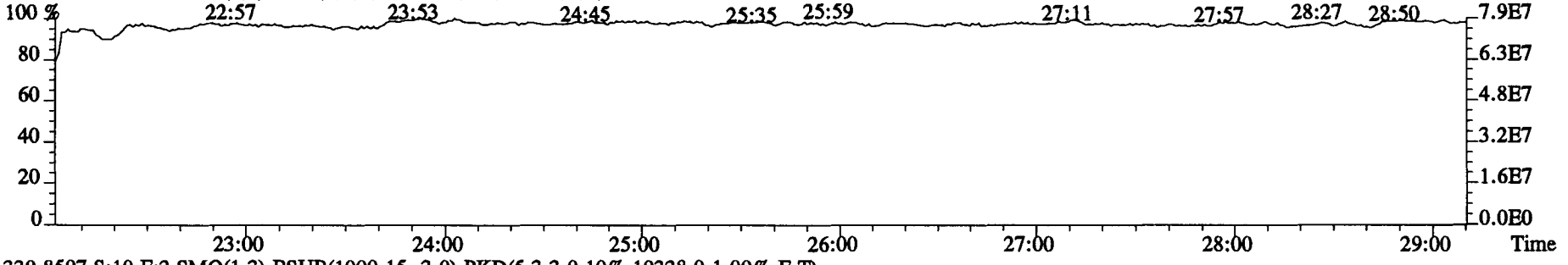


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

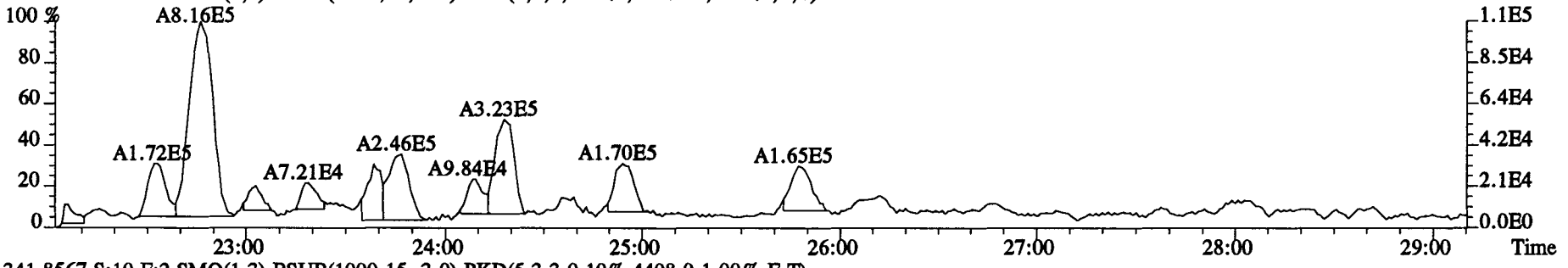


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

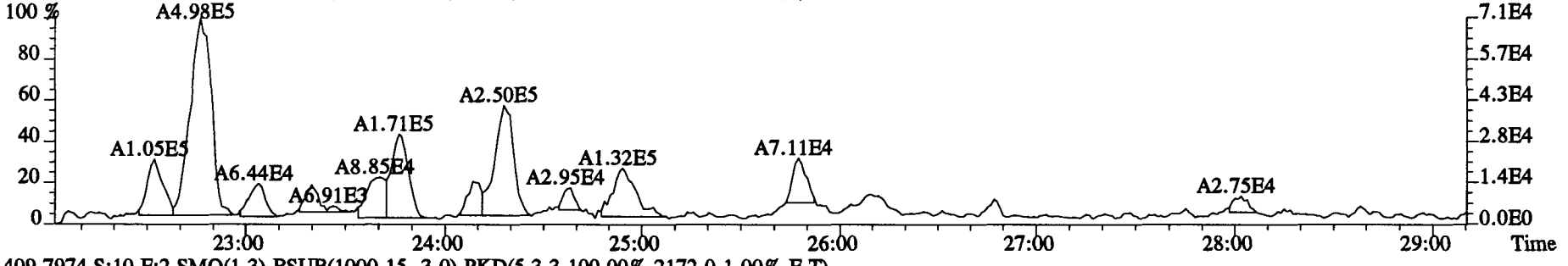
342.9792 S:10 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



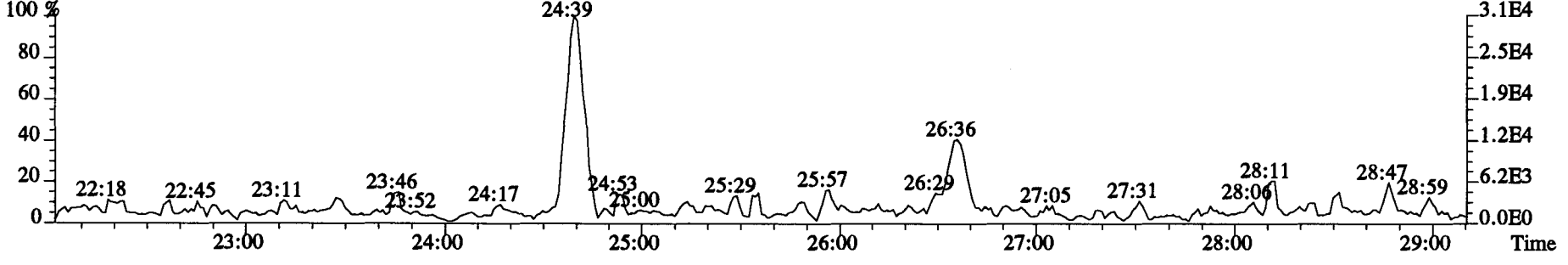
339.8597 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10328.0,1.00%,F,T)



341.8567 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4408.0,1.00%,F,T)

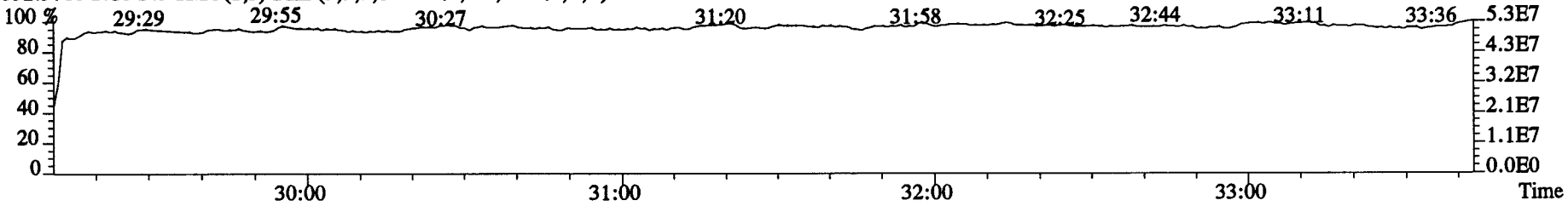


409.7974 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2172.0,1.00%,F,T)

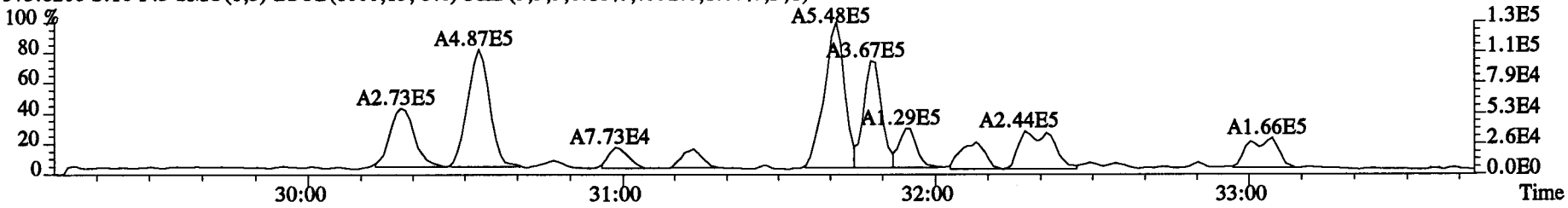


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES

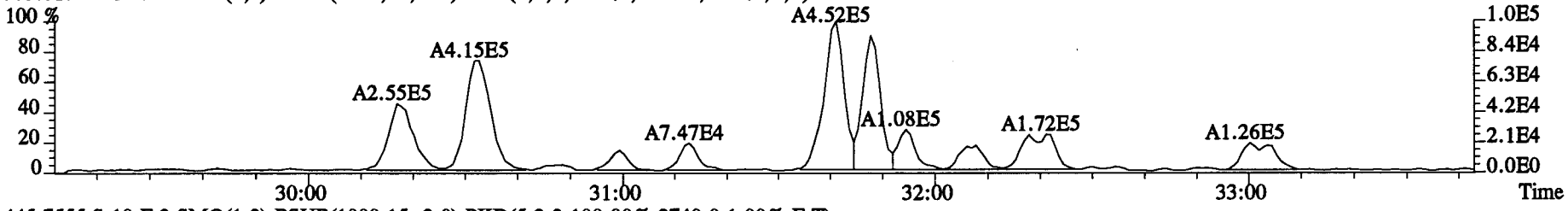
392.9760 S:10 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



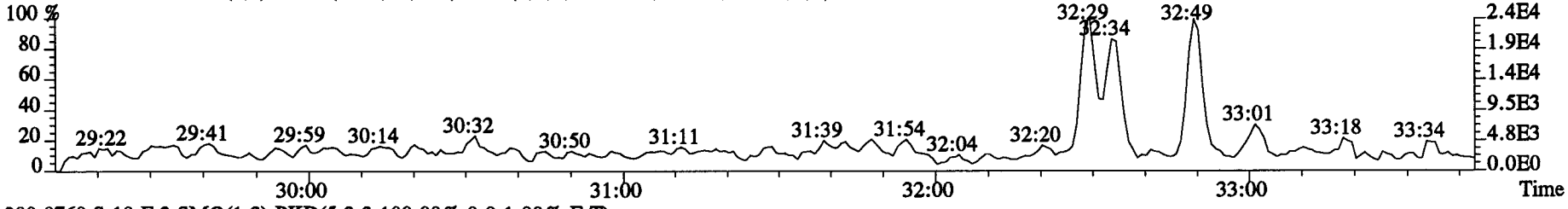
373.8208 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7992.0,1.00%,F,T)



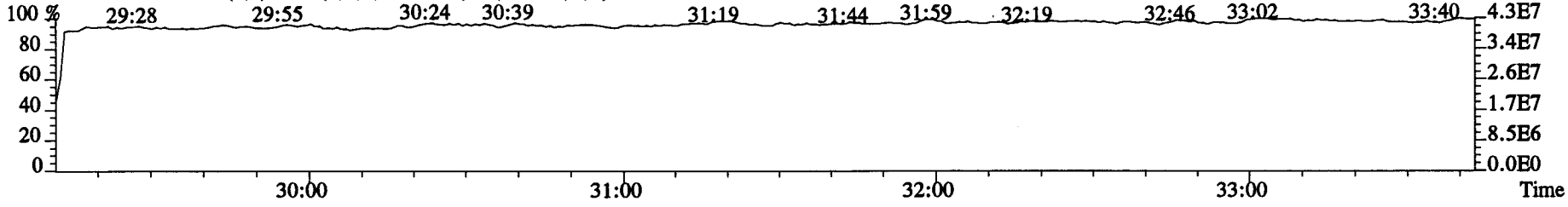
375.8178 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2976.0,1.00%,F,T)



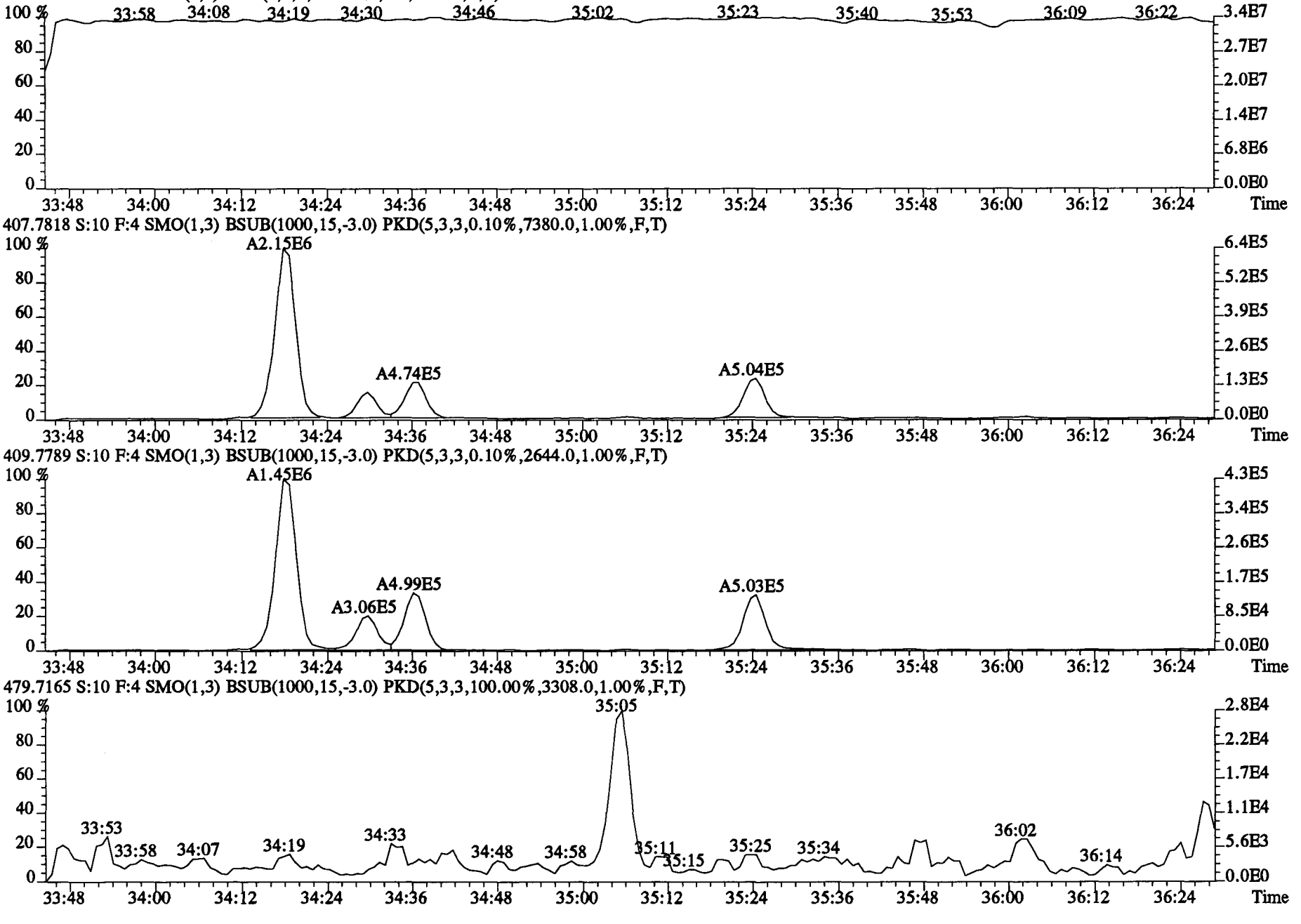
445.7555 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3740.0,1.00%,F,T)



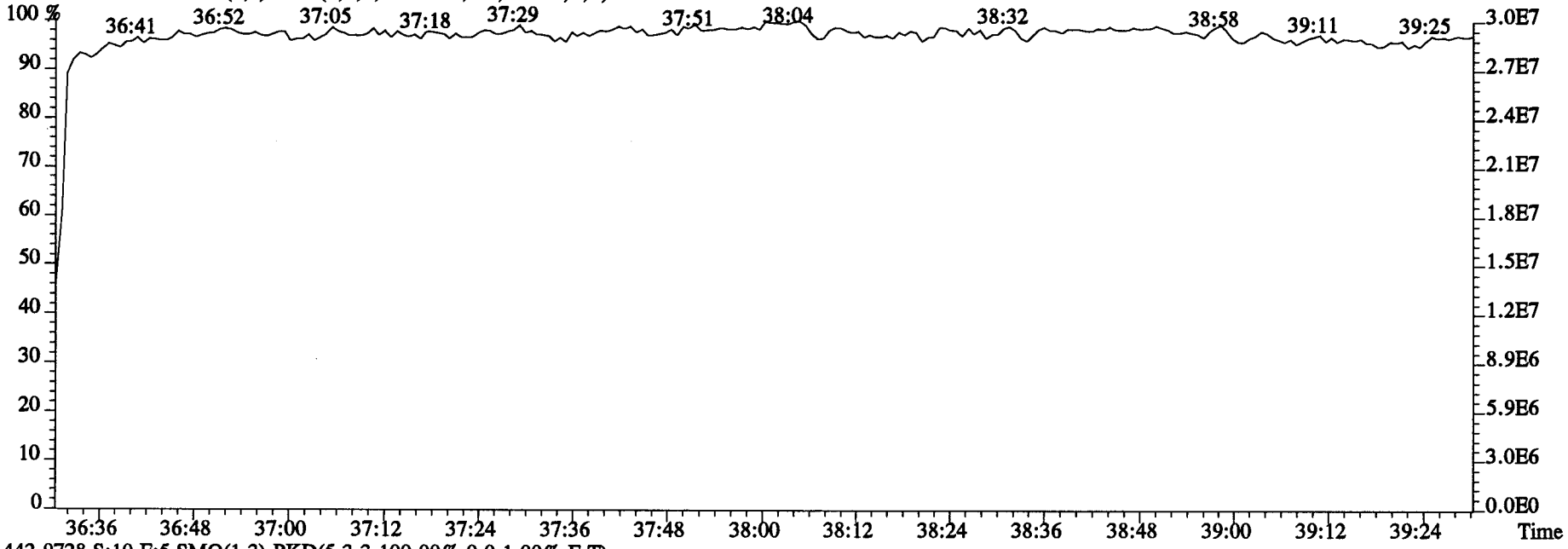
380.9760 S:10 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



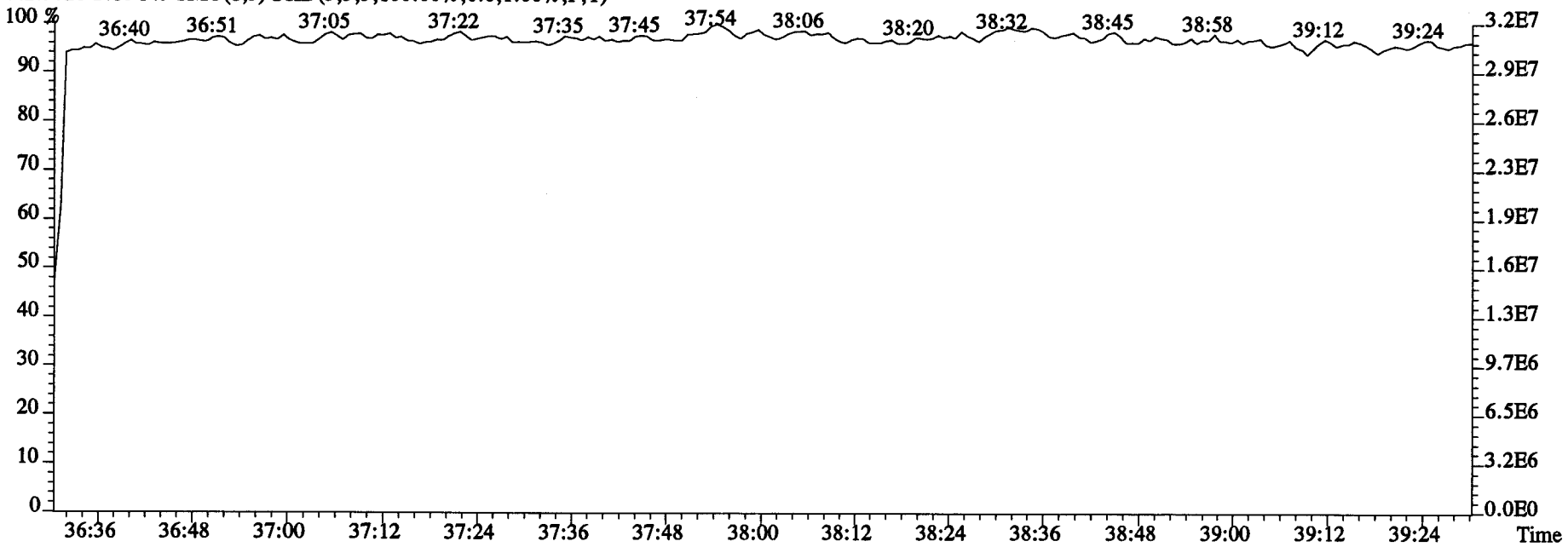
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES



File:14DE10A9D5 #1-243 Acq:14-DEC-2010 21:33:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 Text:MAWFA-1-AA :G0L040465-9 Exp:DIOXINRES
454.9728 S:10 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:10 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



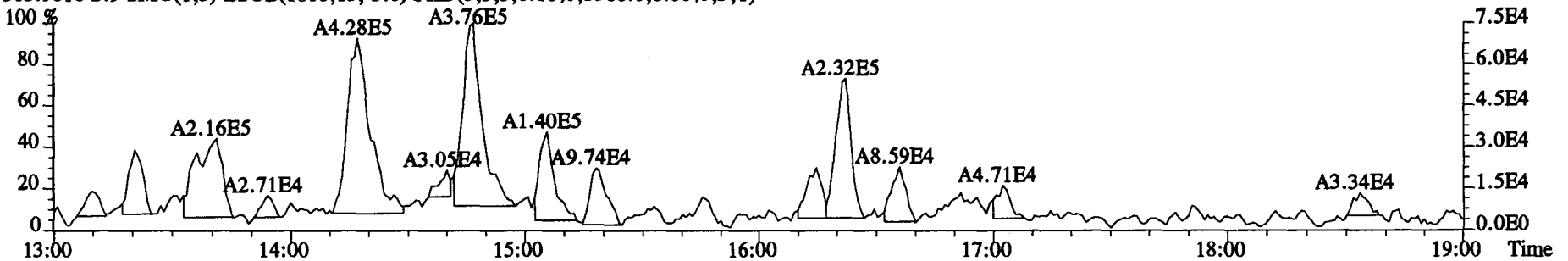
Run text: MAWFA-1-AA Sample text: MAWFA-1-AA :G0L040465-9
Run #8 Filename: 15DE105D2 S: 9 I: 1 Results: 15DE105D2DB225AIR
Acquired: 15-DEC-10 14:04:20 Processed: 15-DEC-10 16:50:10
Run: 15DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	87103992	0.79	y	15:07	-	91.807	-	-	n
13C-2,3,7,8-TCDF	188632312	0.78	y	16:20	2.02 2.545	~~4282.760~~ 3399.28	18.734	107.1	n
2,3,7,8-TCDF	518074	0.81	y	16:22	1.01	10.857 5	4.116	-	n
13C-2,3,7,8-TCDD	77449112	0.79	y	14:48	0.99	~~3610.457~~	~~20.659~~	90.3	n
2,3,7,8-TCDD	*	*	n	NotFnd	1.56	*	~~6.880~~	-	n
37Cl-2,3,7,8-TCDD	50377184	1.00	y	14:49	1.77	1466.676	~~11.043~~	91.7	n

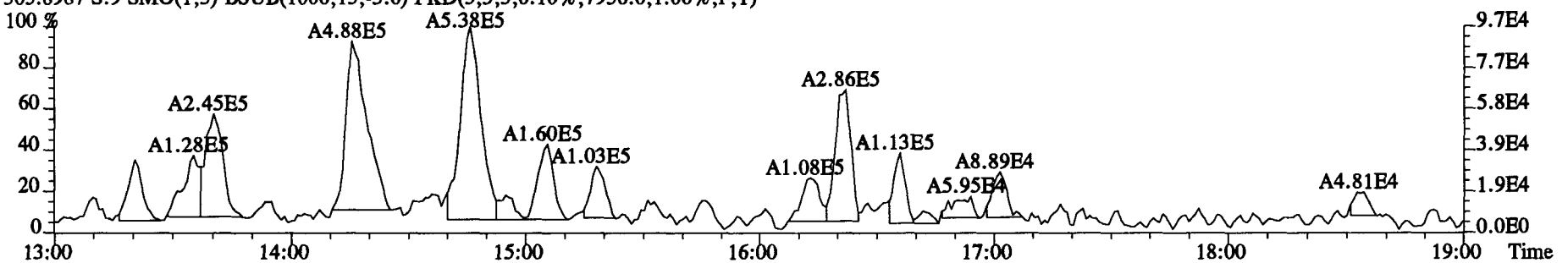
05
12-16-10

File:15DE105D2 #1-1242 Acq:15-DEC-2010 14:04:20 GC EI+ Voltage SIR 70SE
Sample#9 Text:MAWFA-1-AA :G0L040465-9 Exp:DB225RES

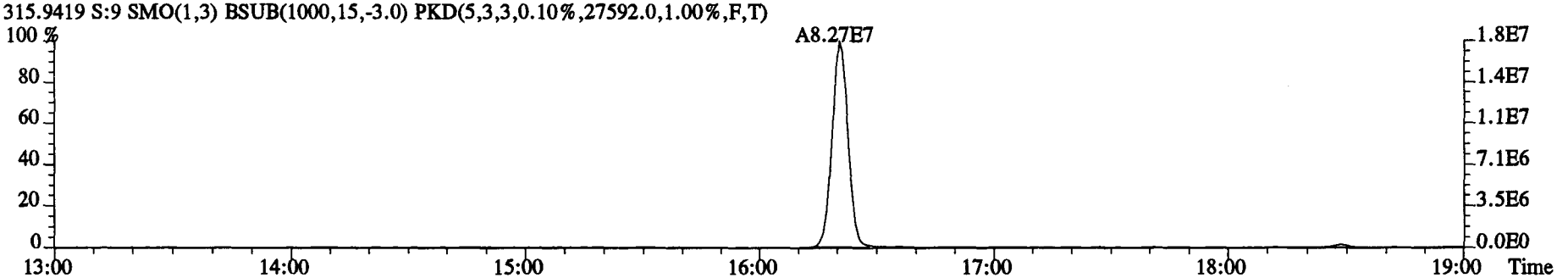
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5968.0,1.00%,F,T)



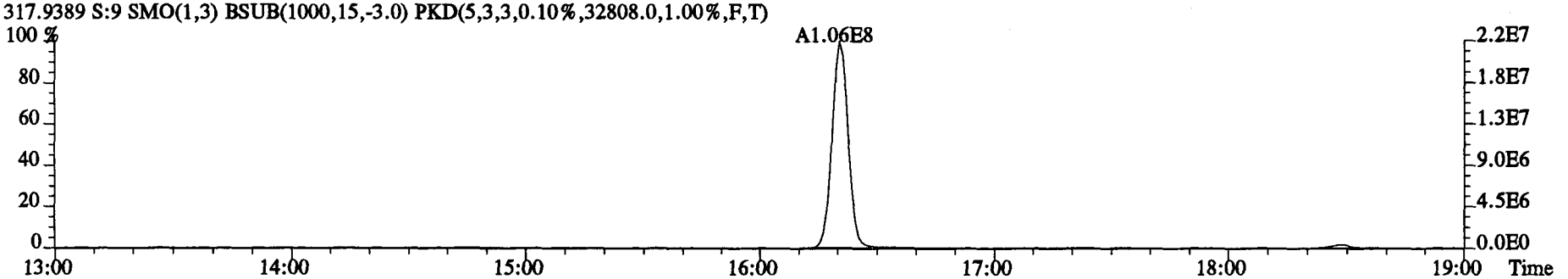
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7956.0,1.00%,F,T)



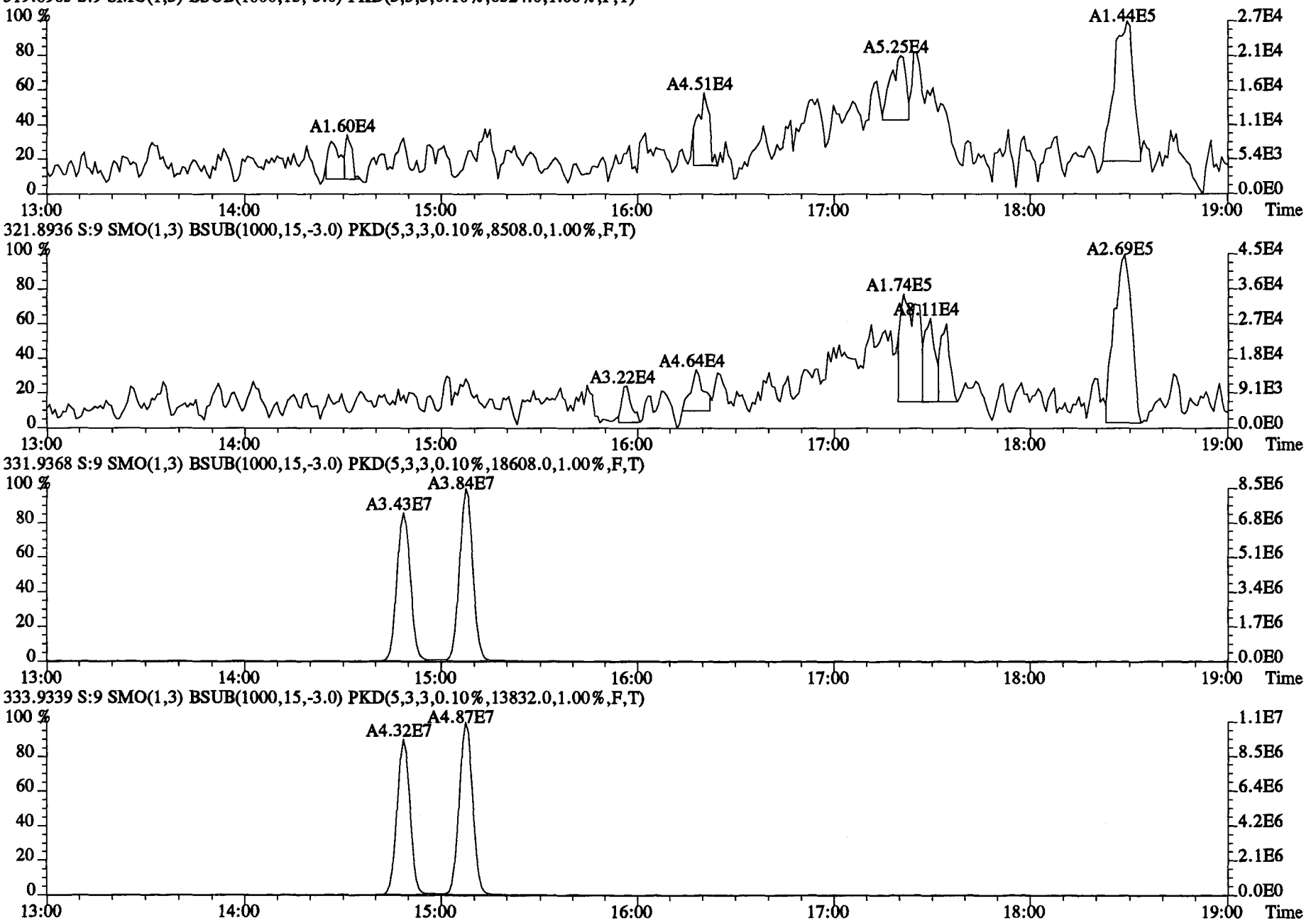
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27592.0,1.00%,F,T)



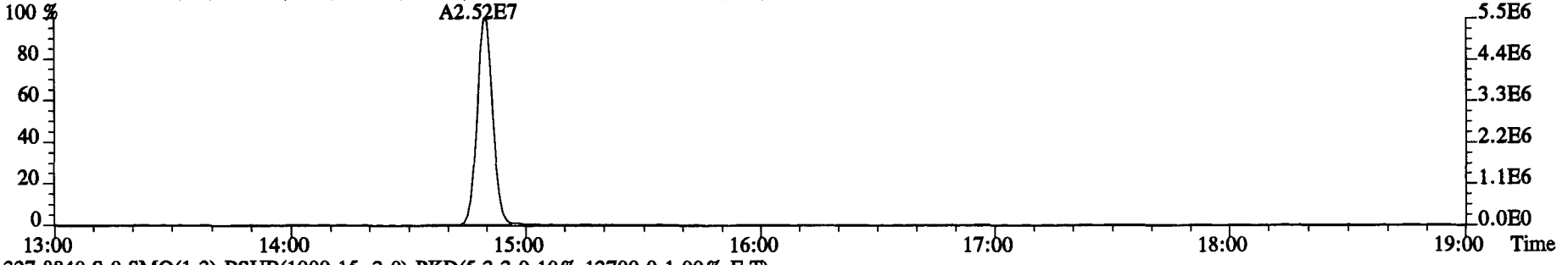
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32808.0,1.00%,F,T)



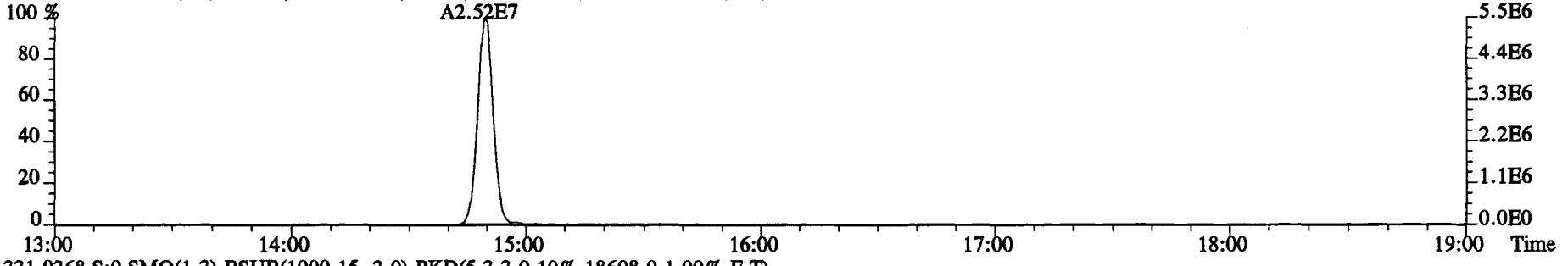
File:15DE105D2 #1-1242 Acq:15-DEC-2010 14:04:20 GC EI+ Voltage SIR 70SE
Sample#9 Text:MAWFA-1-AA :G0L040465-9 Exp:DB225RES



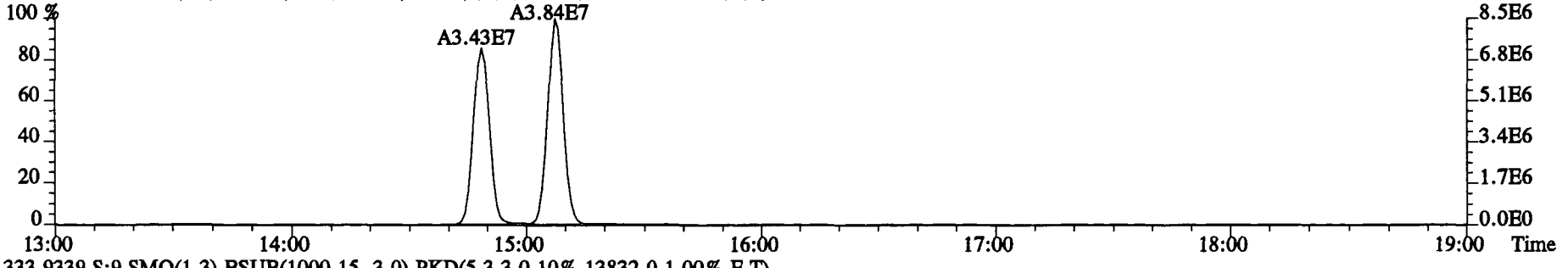
File:15DE105D2 #1-1242 Acq:15-DEC-2010 14:04:20 GC EI+ Voltage SIR 70SE
Sample#9 Text:MAWFA-1-AA :G0L040465-9 Exp:DB225RES
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13700.0,1.00%,F,T)



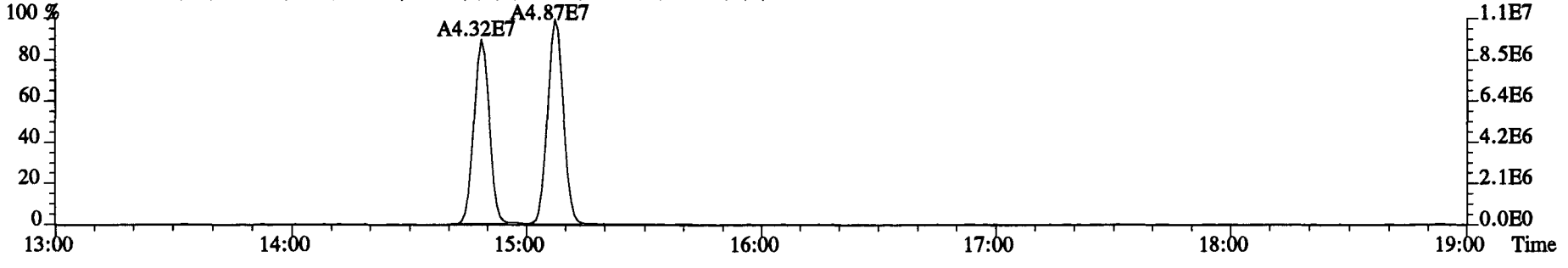
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13700.0,1.00%,F,T)



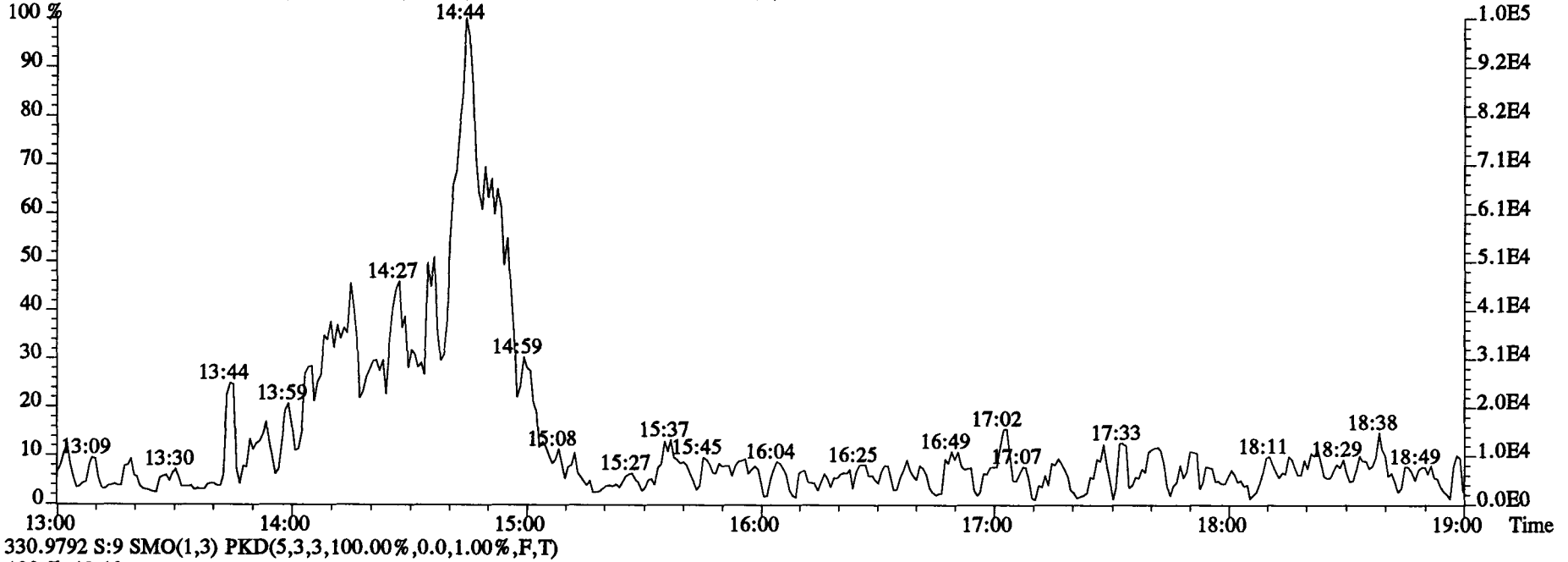
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18608.0,1.00%,F,T)



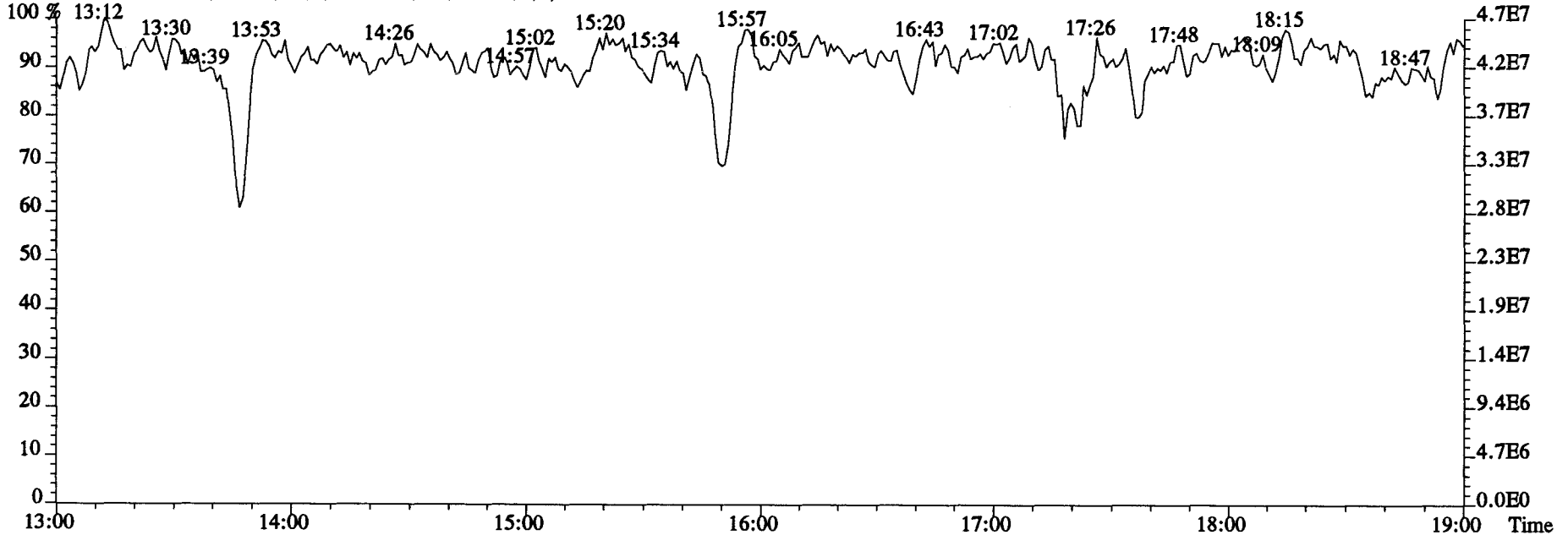
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13832.0,1.00%,F,T)



File:15DE105D2 #1-1242 Acq:15-DEC-2010 14:04:20 GC EI+ Voltage SIR 70SE
Sample#9 Text:MAWFA-1-AA :G0L040465-9 Exp:DB225RES
375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7332.0,1.00%,F,T)



330.9792 S:9 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10
Run #9 Filename: 14DE10A9D5 S: 11 I: 1 Results: 14de10a9d5to9os
Acquired: 14-DEC-10 22:16:43 Processed: 15-DEC-10 10:53:07
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

OS 12-15-10

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	145032800	0.75	y	19:12	-	183.821	-	-	n
13C-2,3,7,8-TCDF	143376500	0.80	y	18:36	1.11	3549.764	3.478	88.7	n
2,3,7,8-TCDF	300552	0.73	y	18:38	0.88	~~9.497~~	11.535	-	n
Total TCDF	448612	0.66	y	16:47	0.88	~~14.175~~	11.535	-	n
13C-2,3,7,8-TCDD	130579900	0.75	y	19:24	0.97	3705.217	10.377	92.6	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.87	~~*~~	4.509	-	n
Total TCDD	54102	3.48	n	18:36	0.87	~~1.902~~	4.509	-	n
37Cl-2,3,7,8-TCDD	58364200	1.00	y	19:25	1.22	1461.138	2.760	91.3	n
13C-1,2,3,7,8-PeCDF	116140100	1.50	y	24:16	0.92	3477.831	4.618	86.9	n
1,2,3,7,8-PeCDF	204099	1.55	y	24:17	1.06	~~6.603~~	7.141	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.03	~~*~~	7.398	-	n
Total F2 PeCDF	716862	1.95	n	22:05	1.05	~~23.485~~ 13.237	7.267	-	n
Total F1 PeCDF	270533	2.78	n	19:12	1.05	8.907	6.641	-	n
13C-1,2,3,7,8-PeCDD	111046000	1.55	y	26:36	0.83	3692.614	2.504	92.3	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.79	~~*~~	4.553	-	n
Total PeCDD	64764	3.06	n	24:17	0.79	~~2.941~~	4.553	-	n
13C-1,2,3,7,8,9-HxCDD	93093300	1.29	y	32:49	-	181.417	-	-	n
13C-1,2,3,4,7,8-HxCDF	88404500	0.50	y	31:39	1.07	3542.913	5.282	88.6	n
1,2,3,4,7,8-HxCDF	406050	1.15	y	31:40	1.06	17.287 J	5.444	-	n
1,2,3,6,7,8-HxCDF	267252	1.30	y	31:48	1.12	10.781 J	5.158	-	n
2,3,4,6,7,8-HxCDF	97536	1.21	y	32:21	1.05	~~4.210~~	5.520	-	y
1,2,3,7,8,9-HxCDF	100300	1.49	n	33:00	0.95	~~4.764~~	6.074	-	n
Total HxCDF	1538498	1.06	y	30:18	1.05	~~65.903~~ 51.59	5.530	-	y
13C-1,2,3,6,7,8-HxCDD	74306200	1.30	y	32:34	0.89	3595.197	9.231	89.9	n
1,2,3,4,7,8-HxCDD	21450	1.30	y	32:30	1.11	~~1.037~~	2.143	-	y
1,2,3,6,7,8-HxCDD	58569	1.25	y	32:34	1.16	2.720 J	2.058	-	y
1,2,3,7,8,9-HxCDD	90594	1.33	y	32:49	1.20	4.058 J	1.986	-	n
Total HxCDD	557874	1.18	y	31:07	1.16	~~25.814~~ 18.61	2.060	-	y
13C-1,2,3,4,6,7,8-HpCDF	85909800	0.43	y	34:17	0.95	3893.486	7.284	97.3	n
1,2,3,4,6,7,8-HpCDF	1163067	1.32	n	34:18	1.44	37.731 J,Q	2.500	-	n
1,2,3,4,7,8,9-HpCDF	365057	1.08	y	35:24	1.23	13.856 J	2.925	-	n
Total HpCDF	2099546	1.32	n	34:18	1.33	71.577	2.696	-	n
13C-1,2,3,4,6,7,8-HpCDD	99153500	1.01	y	35:05	1.08	3961.901	4.880	99.0	n
1,2,3,4,6,7,8-HpCDD	293060	1.13	y	35:05	0.90	13.205 J	1.152	-	n
Total HpCDD	606155	3.81	n	34:17	0.90	~~27.313~~ 24.254	1.152	-	n
13C-OCDD	118448900	0.85	y	37:31	0.69	7377.655	2.846	92.2	n
OCDF	1761483	0.90	y	37:37	1.18	100.821 J	2.466	-	n

OCDD	863024	0.86 y	37:31 1.14	51.195 J	3.173	-	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:2
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	7.088 of which	4.748 named and	2.339 unnamed
Conc:	14.175 of which	9.497 named and	4.678 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	16:47	0.662 y	4.678	58950	1.109	n	n
					89110	2.318	n	n
2,3,7,8-TCDF	2	18:38	0.734 y	9.497	127181	1.392	n	n
					173371	3.362	y	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:1
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	0.951 of which	* named and	0.951 unnamed
Conc:	1.902 of which	* named and	1.902 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	18:36	3.480 n	1.902	106358	5.110	y	n
					30566	1.958	n	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:4
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	11.743 of which	3.301 named and	8.441 unnamed
Conc:	23.485 of which	6.603 named and	16.882 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	22:05	1.950 n	1.268	29446	1.034	n	n
					15099	0.866	n	n
	2	22:32	2.184 n	2.378	61858	1.674	n	n
					28323	1.706	n	n

	3	22:45	1.468	y	13.237	239154	4.633	y	n
						162882	7.279	y	n
1,2,3,7,8-PeCDF	4	24:17	1.548	y	6.603	124002	2.902	n	n
						80097	3.875	y	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:3
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9¶

Amount:	4.454 of which	* named and	4.454	unnamed
Conc:	8.907 of which	* named and	8.907	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	19:12	2.783	n	3.328	110303	4.168	y	n
						39635	1.986	n	n
	2	19:24	2.840	n	2.913	98514	3.388	y	n
						34691	1.649	n	n
	3	21:00	2.551	n	2.667	81034	2.972	n	n
						31766	1.624	n	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:1
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9¶

Amount:	1.471 of which	* named and	1.471	unnamed
Conc:	2.941 of which	* named and	2.941	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	24:17	3.061	n	2.941	77736	3.908	y	n
						25398	2.298	n	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:6
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	29.938	of which	16.416	named and	13.522	unnamed		
Conc:	59.876	of which	32.833	named and	27.043	unnamed		

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	30:18	1.060 y	7.542	89739	2.663	n	n
					84672	4.867	y	n
	2	30:32	1.121 y	15.985	195378	5.131	y	n
					174245	10.636	y	n
1,2,3,4,7,8-HxCDF	3	31:40	1.148 y	17.287	217019	6.644	y	n
					189032	10.953	y	n
1,2,3,6,7,8-HxCDF	4	31:48	1.299 y	10.781	151024	4.835	y	n
					116229	8.525	y	n
	5	31:54	1.181 y	3.516	44036	1.531	n	n
					37278	2.929	n	n
1,2,3,7,8,9-HxCDF	6	33:00	1.494 n	4.764	66893	1.571	n	n
					44777	2.320	n	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:8
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	12.838	of which	3.838	named and	9.000	unnamed		
Conc:	25.676	of which	7.677	named and	17.999	unnamed		

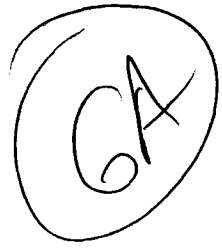
Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	31:07	1.185 y	2.910	33954	3.962	y	n
					28656	2.972	n	n
	2	31:39	2.257 n	4.022	87196	6.991	y	n
					38628	5.777	y	n
	3	31:46	3.049 n	2.619	76692	7.781	y	n
					25157	3.146	y	n
	4	31:56	0.961 n	3.917	46649	3.991	y	n
					48534	5.276	y	n
	5	32:20	3.111 n	2.369	70805	7.984	y	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:8
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14de10a9

Amount:	32.95	of which	18.52	named and	14.43	unnamed			
Conc:	65.90	of which	37.04	named and	28.86	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	30:18	1.06	y	7.54	89739	2.7	n	n
						84672	4.9	y	n
	2	30:32	1.12	y	15.98	195376	5.1	y	n
						174245	10.6	y	n
1,2,3,4,7,8-HxCDF	3	31:40	1.15	y	17.29	217018	6.6	y	n
						189032	11.0	y	n
1,2,3,6,7,8-HxCDF	4	31:48	1.30	y	10.78	151023	4.8	y	n
						116229	8.5	y	n
	5	31:54	1.18	y	3.52	44035	1.5	n	y
						37278	2.9	n	n
	6	32:17	0.70	n	1.82	23259	0.9	n	y
						33016	2.7	n	y
2,3,4,6,7,8-HxCDF	7	32:21	1.21	y	4.21	53375	1.6	n	y
						44161	3.1	y	y
1,2,3,7,8,9-HxCDF	8	33:00	1.49	n	4.76	66893	1.6	n	n
						44777	2.3	n	n

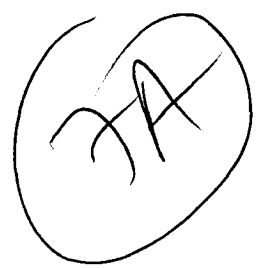


Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:9
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14de10a9

Amount:	12.91 of which	3.91 named and	9.00	unnamed
Conc:	25.81 of which	7.81 named and	18.00	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	31:07	1.18	y	2.91	33954	4.0	y	n
						28656	3.0	n	n
	2	31:39	2.26	n	4.02	87196	7.0	y	n
						38628	5.8	y	n
	3	31:46	3.05	n	2.62	76692	7.8	y	n
						25157	3.1	y	n
	4	31:56	0.96	n	3.92	46649	4.0	y	n
						48534	5.3	y	n
	5	32:20	3.11	n	2.37	70805	8.0	y	n
						22757	3.1	y	n
1,2,3,4,7,8-HxCDD	6	32:30	1.30	y	1.04	12108	1.8	n	y
						9342	2.1	n	y
1,2,3,6,7,8-HxCDD	7	32:34	1.25	y	2.72	32569	2.5	n	y
						26000	3.5	y	y
1,2,3,7,8,9-HxCDD	8	32:49	1.33	y	4.06	51637	4.7	y	n
						38957	3.9	y	n
	9	32:59	3.76	n	2.16	78103	8.1	y	n
						20771	2.9	n	n



						22757	3.055	y	n
1,2,3,6,7,8-HxCDD	6	32:34	1.195	y	3.618	42420	2.502	n	n
						35501	3.495	y	n
1,2,3,7,8,9-HxCDD	7	32:49	1.326	y	4.058	51637	4.691	y	n
						38956	3.911	y	n
	8	32:59	3.760	n	2.163	78103	8.128	y	n
						20771	2.950	n	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:4
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

Amount:	35.789 of which	25.794 named and	9.995	unnamed
Conc:	71.577 of which	51.588 named and	19.990	unnamed

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	34:18	1.315	n	37.731	749884	38.281	y	n
						570131	84.020	y	n
	2	34:29	1.126	y	7.510	113701	6.241	y	n
						100984	14.196	y	n
	3	34:35	1.237	n	12.480	216316	10.221	y	n
						174871	24.405	y	n
1,2,3,4,7,8,9-HpCDF	4	35:24	1.075	y	13.856	189139	9.431	y	n
						175918	26.156	y	n

Run Text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:4
Run: 9 File: 14DE10A9D5 S:11 Acq:14-DEC-10 22:16:43
Tables: Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9

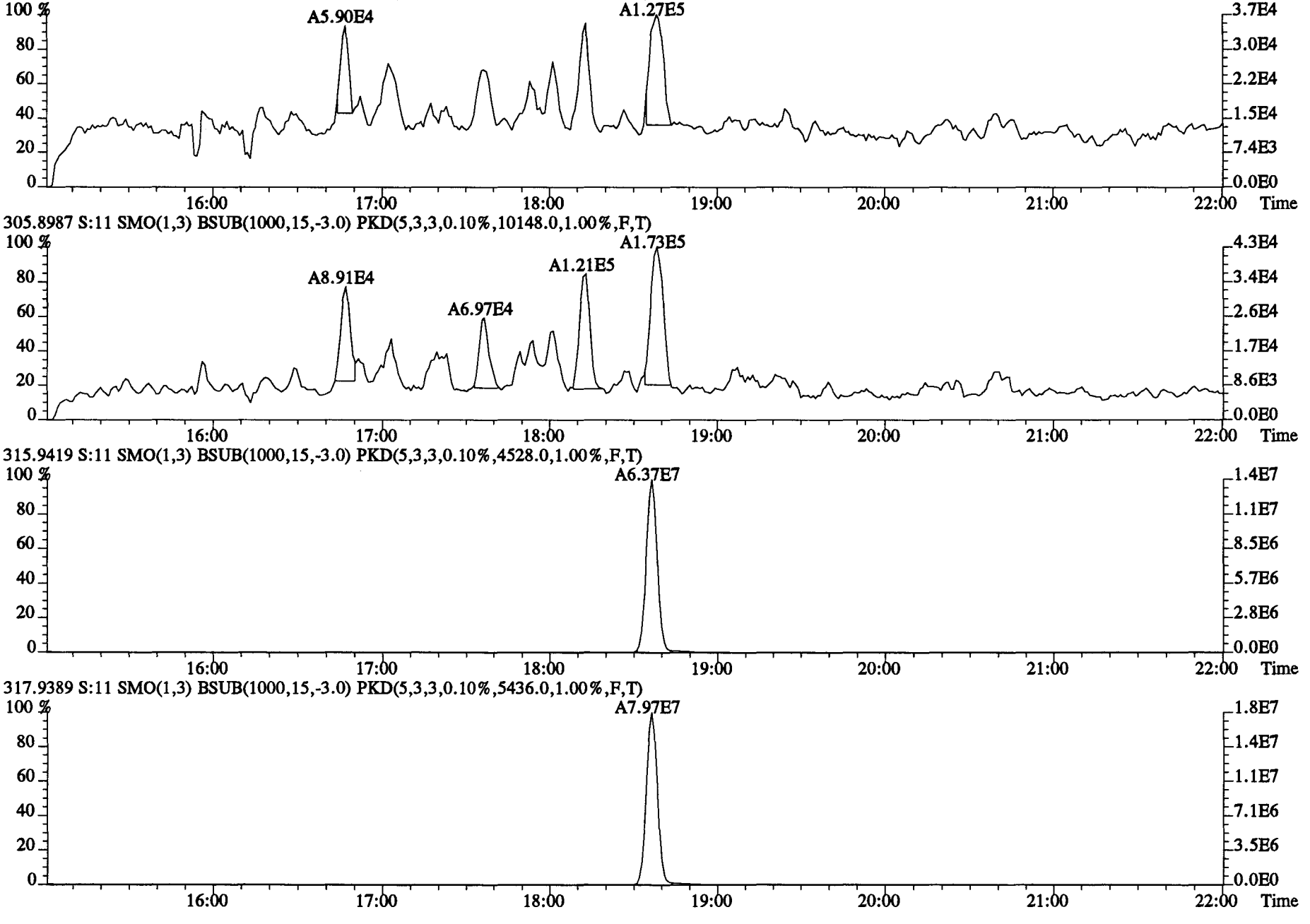
Amount:	13.656	of which	6.602	named and	7.054	unnamed			
Conc:	27.313	of which	13.205	named and	14.108	unnamed			

Name	#	R.T.	Ratio		Conc.	Area	S/N	>?	Mod?
	1	34:17	3.811	n	1.739	72109	13.014	y	n
						18923	6.480	y	n
	2	34:32	1.080	y	11.049	127330	23.851	y	n
						117892	44.205	y	n
1,2,3,4,6,7,8-HpCDD	3	35:05	1.134	y	13.205	155732	24.613	y	n
						137328	45.855	y	n
	4	35:23	4.327	n	1.319	62090	10.997	y	n
						14348	5.278	y	n

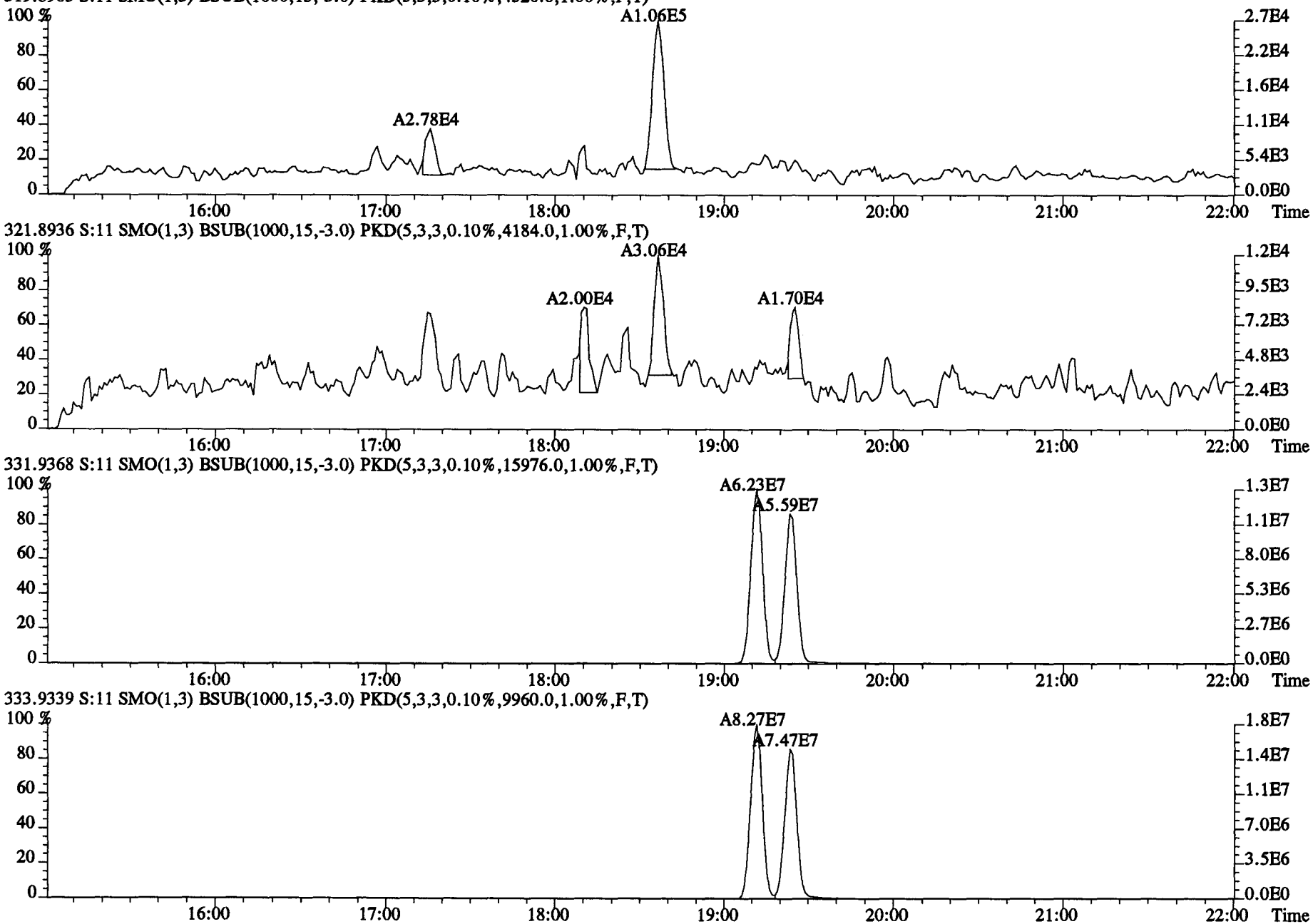
Run text: MAWFD-1-AA Sample text: MAWFD-1-AA :G0L040465-10
Run #9 Filename: 14DE10A9D5 S: 11 I: 1 Results: 14DE10A9D5TO9
Acquired: 14-DEC-10 22:16:43 Processed: 15-DEC-10 10:53:07
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5
Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

Name	Resp	RA		RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	145032800	0.75	y	19:12	-	183.821	-	-	n
13C-2,3,7,8-TCDF	143376500	0.80	y	18:36	1.11	3549.764	3.478	88.7	n
2,3,7,8-TCDF	300552	0.73	y	18:38	0.88	9.497	11.535	-	n
Total TCDF	448612	0.66	y	16:47	0.88	14.175	11.535	-	n
13C-2,3,7,8-TCDD	130579900	0.75	y	19:24	0.97	3705.217	10.377	92.6	n
2,3,7,8-TCDD	*	*	n	NotFnd	0.87	*	4.509	-	n
Total TCDD	54102	3.48	n	18:36	0.87	1.902	4.509	-	n
37Cl-2,3,7,8-TCDD	58364200	1.00	y	19:25	1.22	1461.138	2.760	91.3	n
13C-1,2,3,7,8-PeCDF	116140100	1.50	y	24:16	0.92	3477.831	4.618	86.9	n
1,2,3,7,8-PeCDF	204099	1.55	y	24:17	1.06	6.603	7.141	-	n
2,3,4,7,8-PeCDF	*	*	n	NotFnd	1.03	*	7.398	-	n
Total F2 PeCDF	716862	1.95	n	22:05	1.05	23.485	7.267	-	n
Total F1 PeCDF	270533	2.78	n	19:12	1.05	8.907	6.641	-	n
13C-1,2,3,7,8-PeCDD	111046000	1.55	y	26:36	0.83	3692.614	2.504	92.3	n
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.79	*	4.553	-	n
Total PeCDD	64764	3.06	n	24:17	0.79	2.941	4.553	-	n
13C-1,2,3,7,8,9-HxCDD	93093300	1.29	y	32:49	-	181.417	-	-	n
13C-1,2,3,4,7,8-HxCDF	88404500	0.50	y	31:39	1.07	3542.913	5.282	88.6	n
1,2,3,4,7,8-HxCDF	406051	1.15	y	31:40	1.06	17.287	5.444	-	n
1,2,3,6,7,8-HxCDF	267253	1.30	y	31:48	1.12	10.781	5.158	-	n
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	1.05	*	5.520	-	n
1,2,3,7,8,9-HxCDF	100300	1.49	n	33:00	0.95	4.764	6.074	-	n
Total HxCDF	1398951	1.06	y	30:18	1.05	59.876	5.530	-	n
13C-1,2,3,6,7,8-HxCDD	74306200	1.30	y	32:34	0.89	3595.197	9.231	89.9	n
1,2,3,4,7,8-HxCDD	77921	1.19	y	32:34	1.11	3.767	2.143	-	n
1,2,3,6,7,8-HxCDD	77921	1.19	y	32:34	1.16	3.618	2.058	-	n
1,2,3,7,8,9-HxCDD	90594	1.33	y	32:49	1.20	4.058	1.986	-	n
Total HxCDD	555776	1.18	y	31:07	1.16	25.676	2.060	-	n
13C-1,2,3,4,6,7,8-HpCDF	85909800	0.43	y	34:17	0.95	3893.486	7.284	97.3	n
1,2,3,4,6,7,8-HpCDF	1163067	1.32	n	34:18	1.44	37.731	2.500	-	n
1,2,3,4,7,8,9-HpCDF	365057	1.08	y	35:24	1.23	13.856	2.925	-	n
Total HpCDF	2099546	1.32	n	34:18	1.33	71.577	2.696	-	n
13C-1,2,3,4,6,7,8-HpCDD	99153500	1.01	y	35:05	1.08	3961.901	4.880	99.0	n
1,2,3,4,6,7,8-HpCDD	293060	1.13	y	35:05	0.90	13.205	1.152	-	n
Total HpCDD	606155	3.81	n	34:17	0.90	27.313	1.152	-	n
13C-OCDD	118448900	0.85	y	37:31	0.69	7377.655	2.846	92.2	n
OCDF	1761483	0.90	y	37:37	1.18	100.821	2.466	-	n
OCDD	863024	0.86	y	37:31	1.14	51.195	3.173	-	n

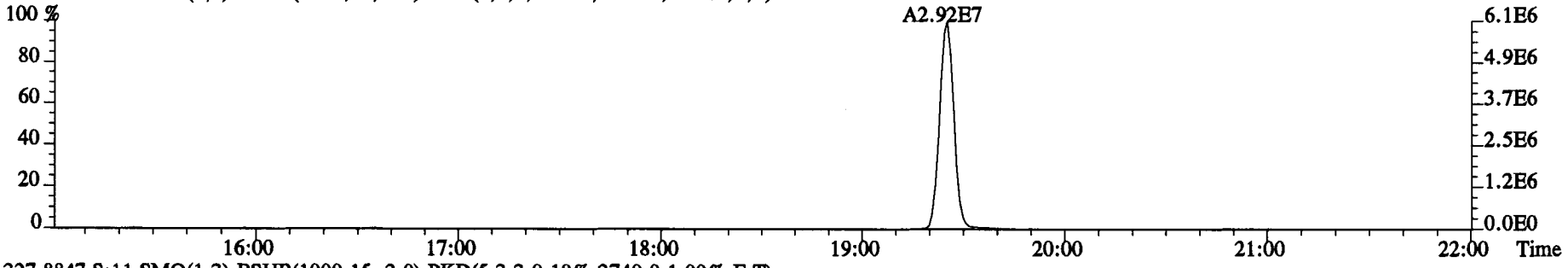
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES



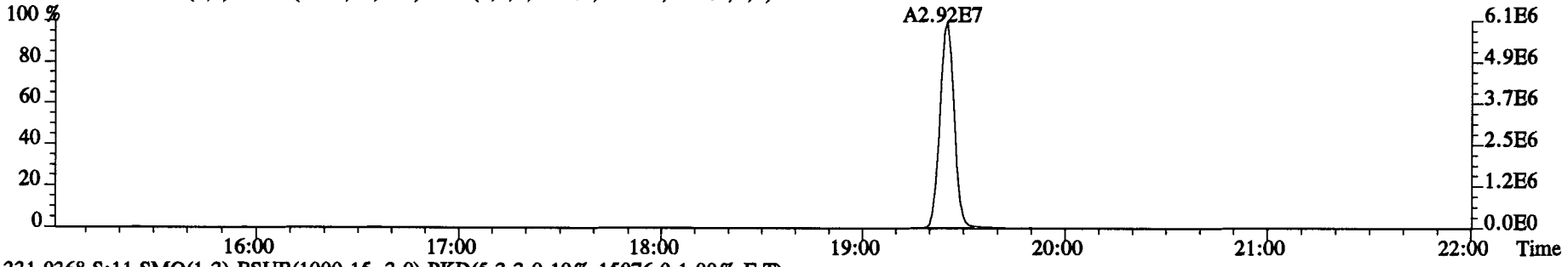
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES



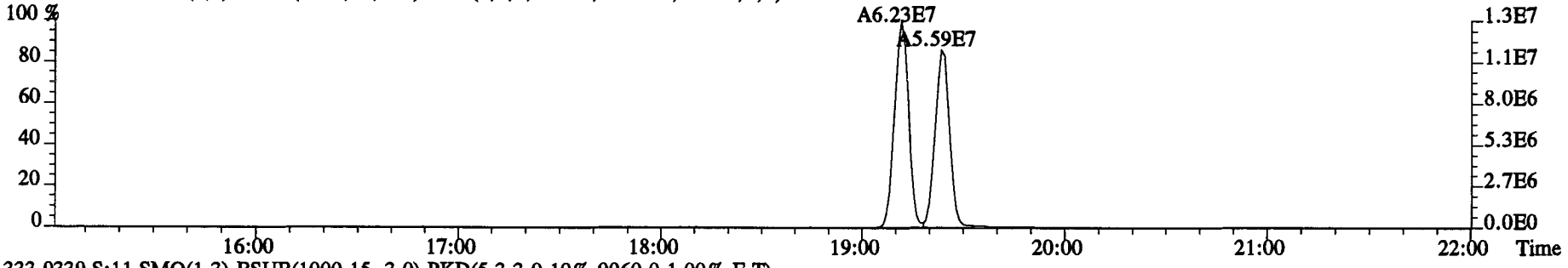
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
327.8847 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3740.0,1.00%,F,T)



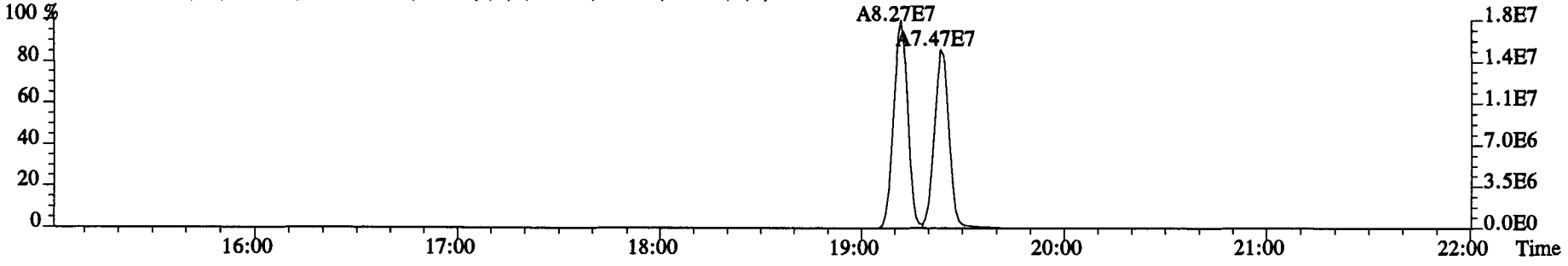
327.8847 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3740.0,1.00%,F,T)



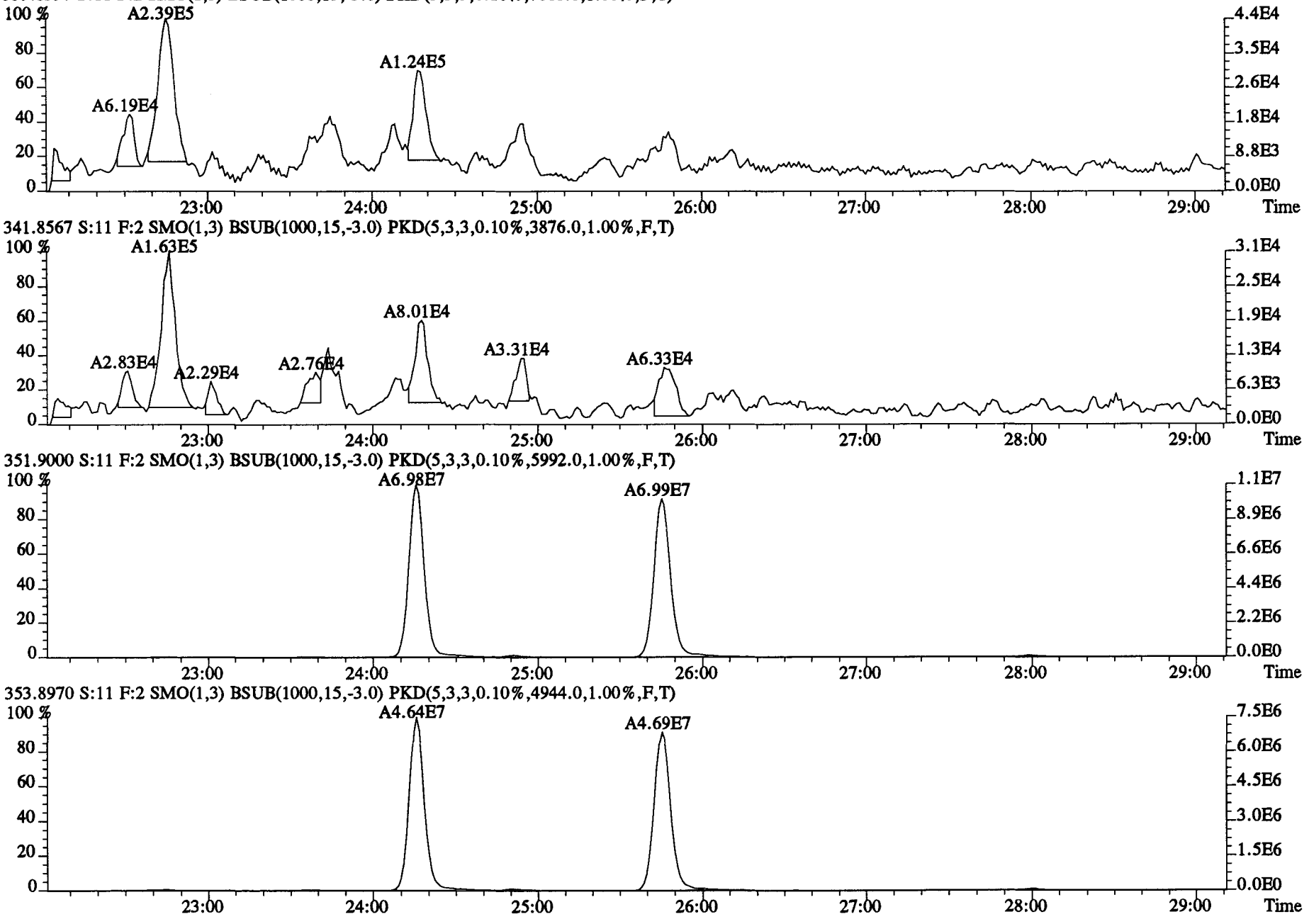
331.9368 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15976.0,1.00%,F,T)



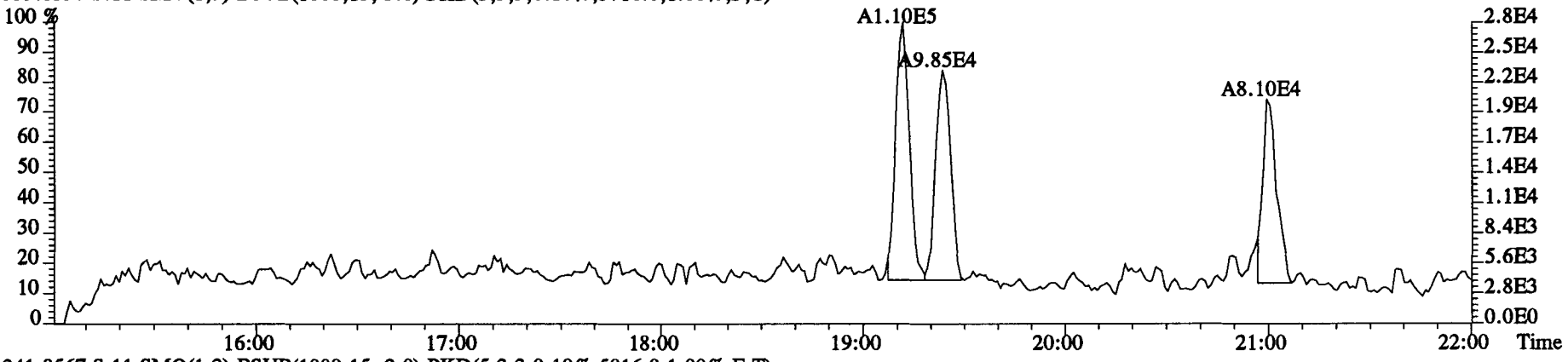
333.9339 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9960.0,1.00%,F,T)



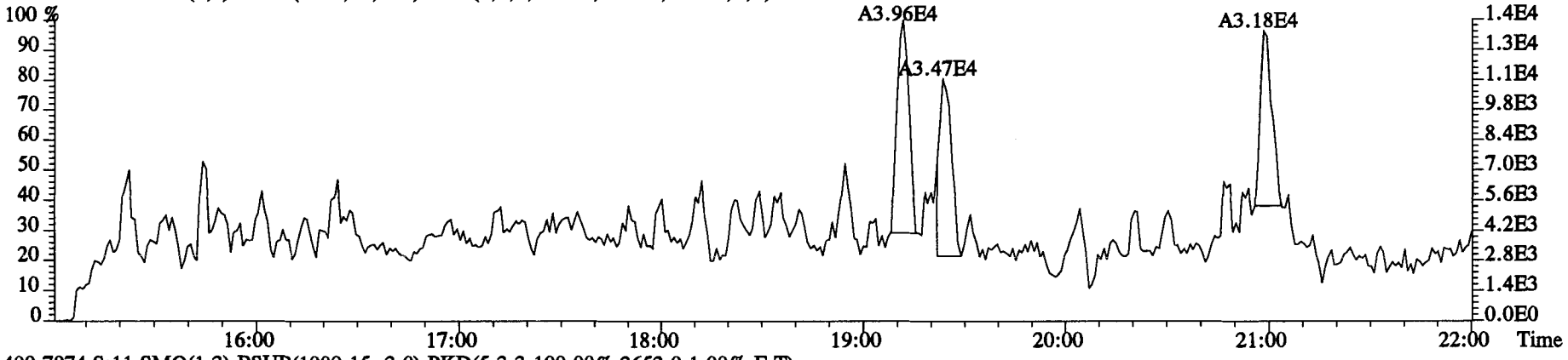
File:14DE10A9D5 #1-460 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES



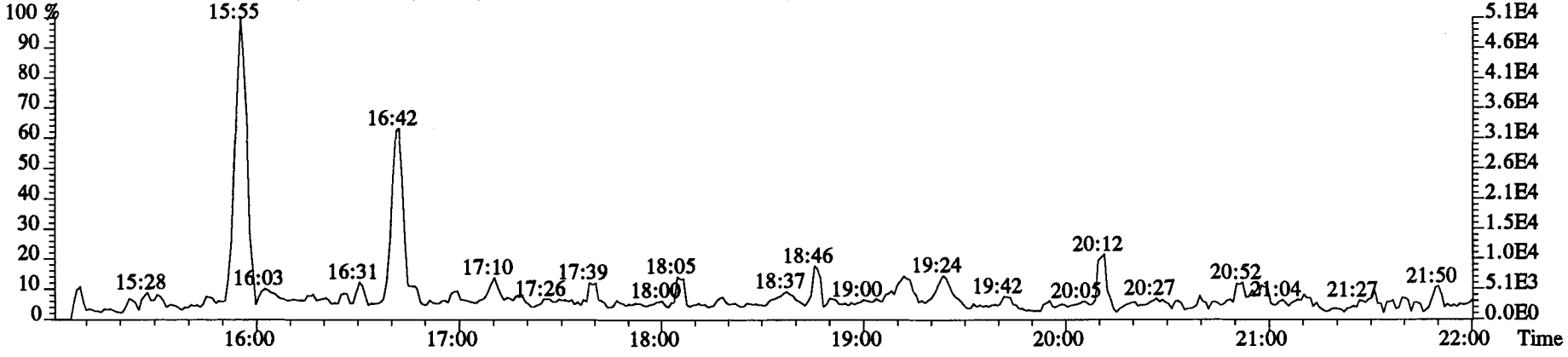
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
339.8597 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)



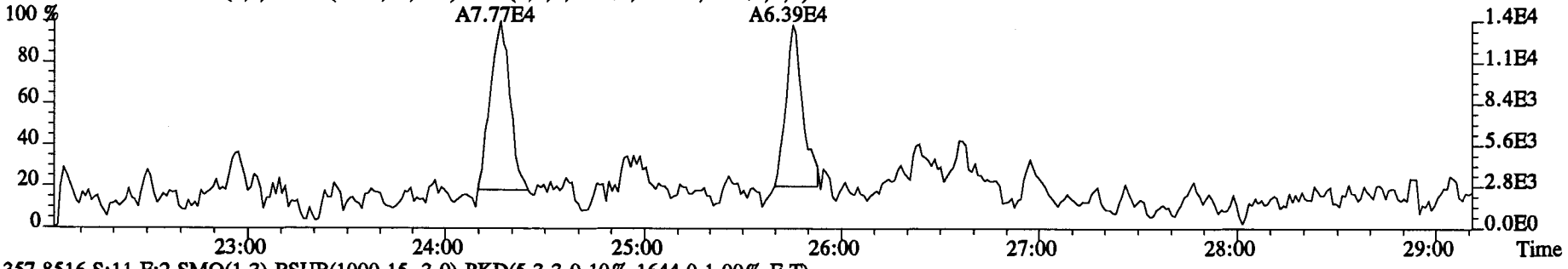
341.8567 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5016.0,1.00%,F,T)



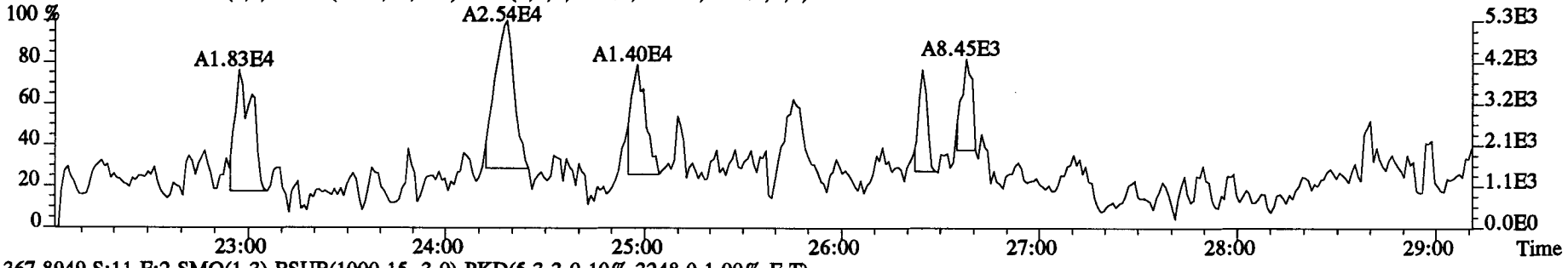
409.7974 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3652.0,1.00%,F,T)



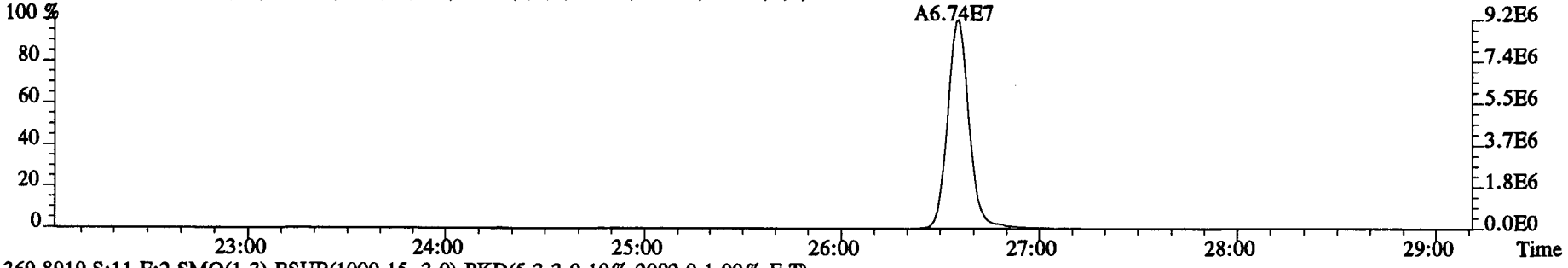
File:14DE10A9D5 #1-460 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
355.8546 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2944.0,1.00%,F,T)



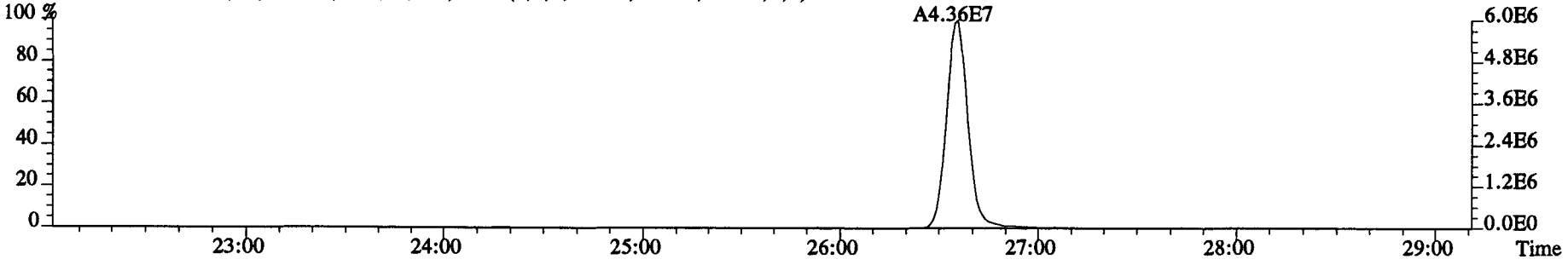
357.8516 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1644.0,1.00%,F,T)



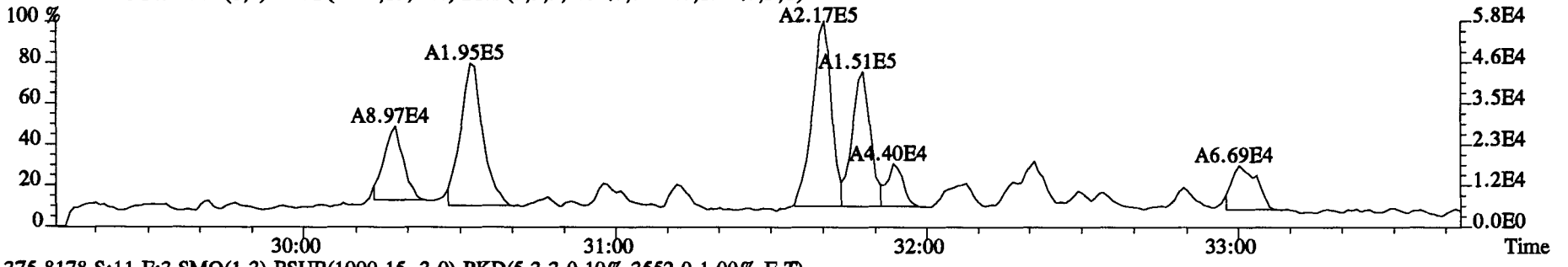
367.8949 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3248.0,1.00%,F,T)



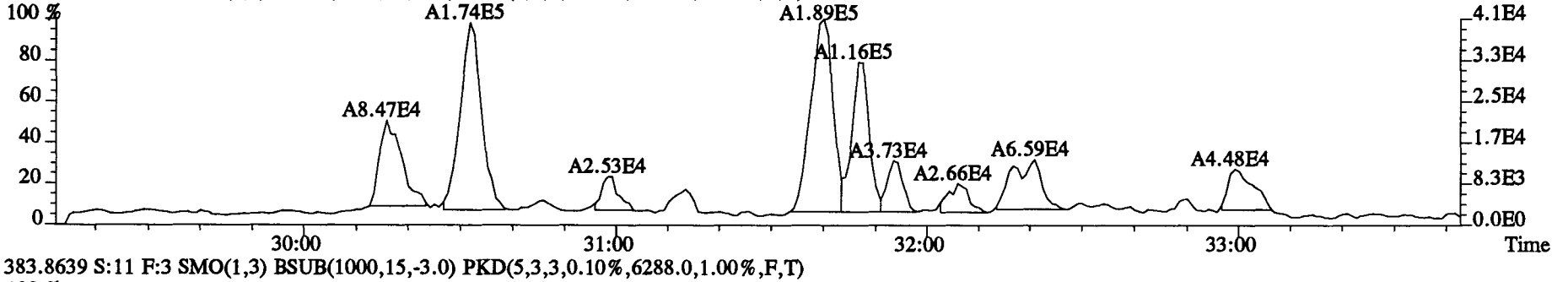
369.8919 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2092.0,1.00%,F,T)



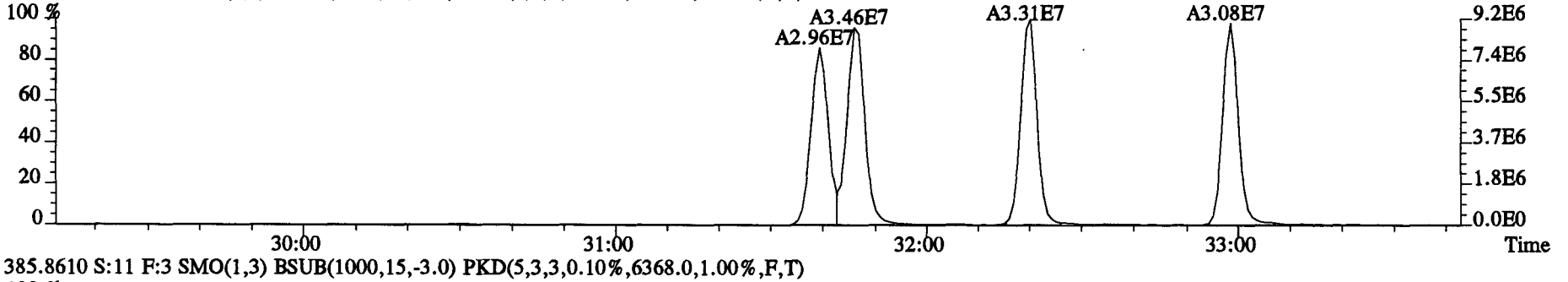
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7800.0,1.00%,F,T)



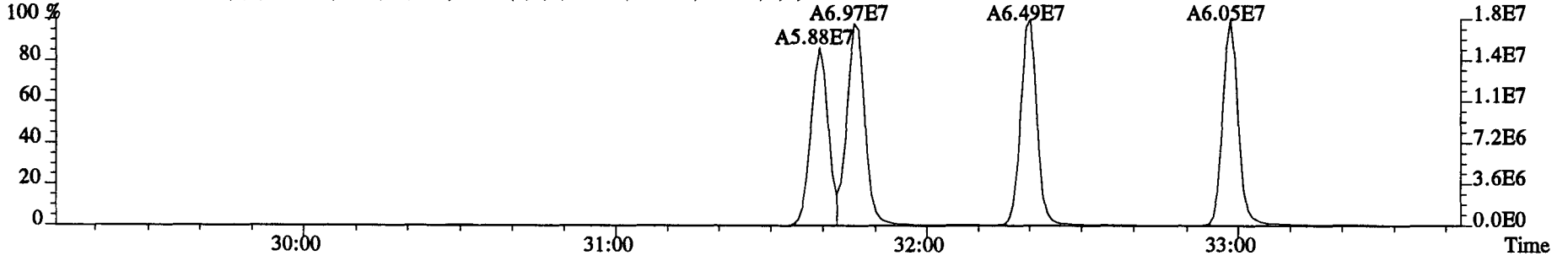
375.8178 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3552.0,1.00%,F,T)



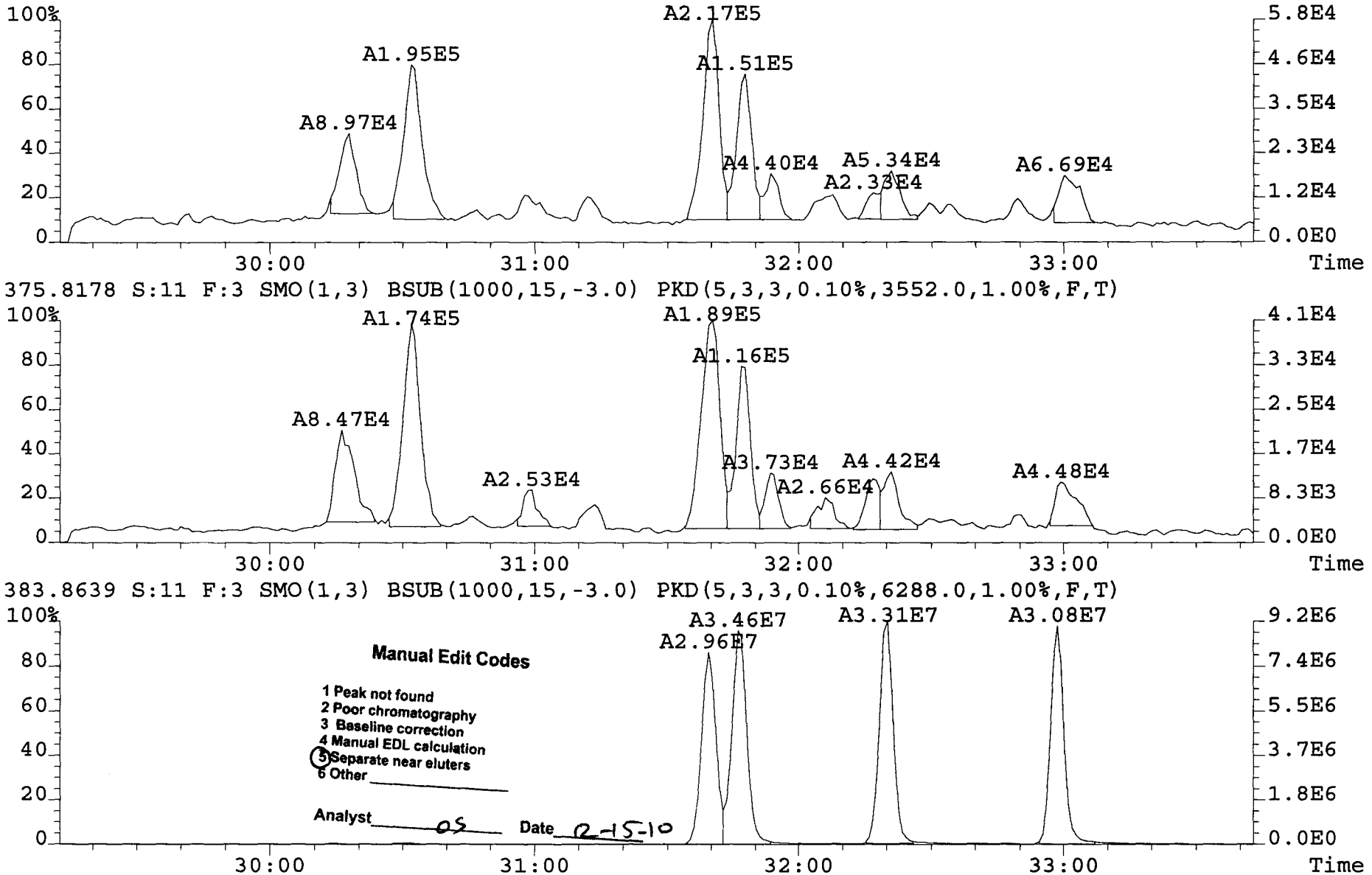
383.8639 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6288.0,1.00%,F,T)



385.8610 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6368.0,1.00%,F,T)



File:14DE10A9D5 #1-325 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES

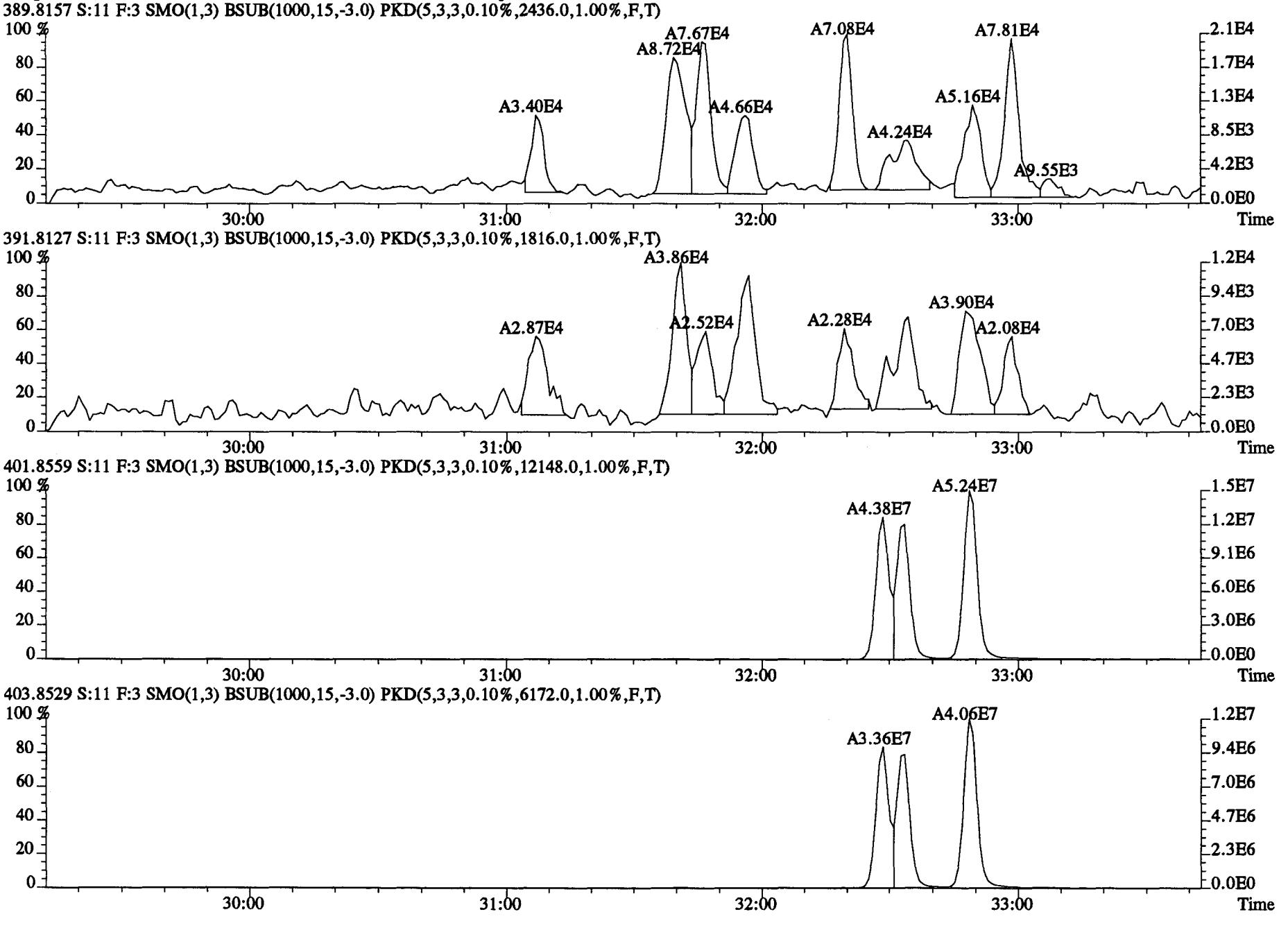


Manual Edit Codes

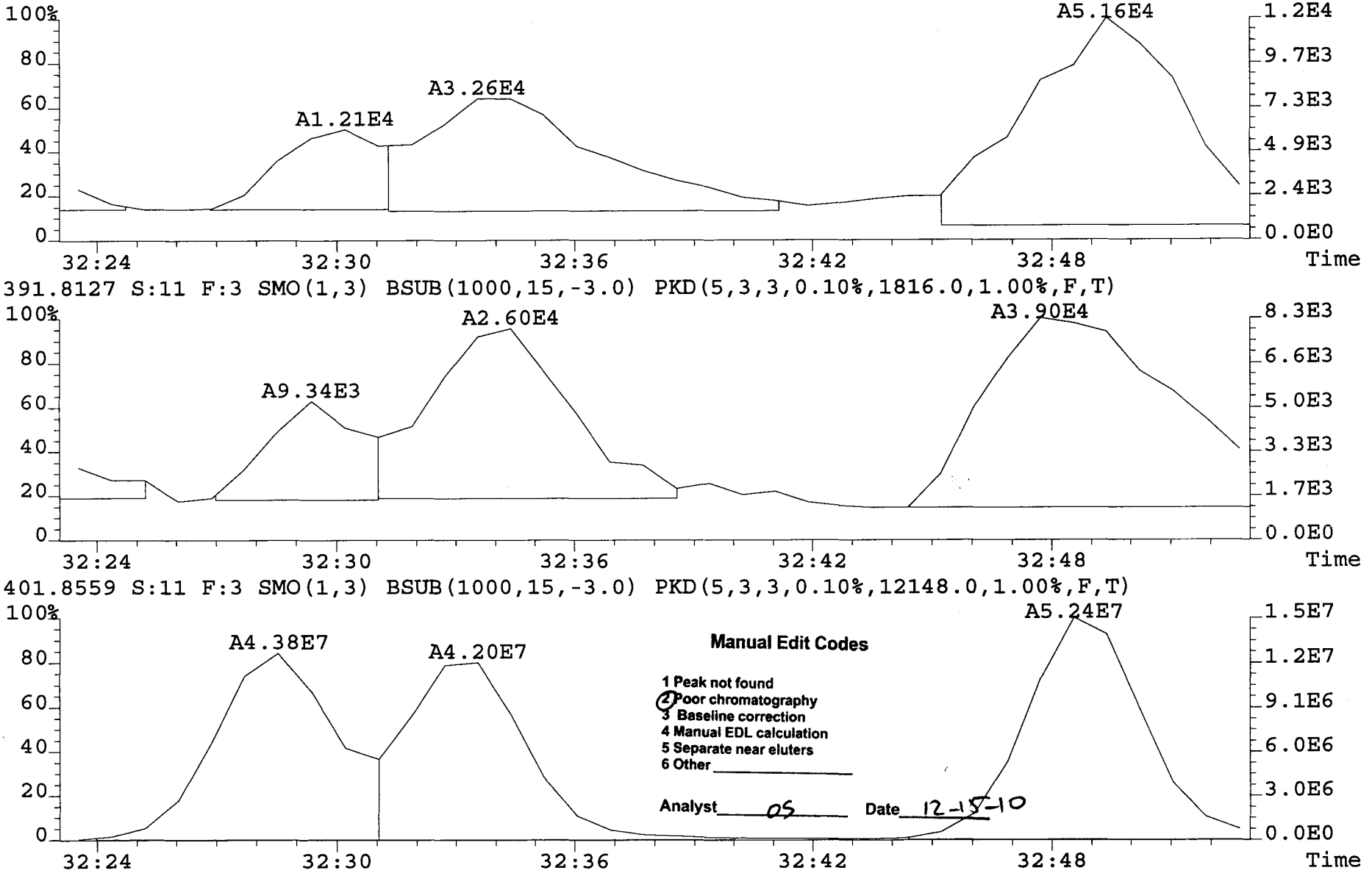
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
(5) Separate near eluters
6 Other _____

Analyst OS Date 12-15-10

File:14DE10A9D5 #1-325 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES



File:14DE10A9D5 #1-325 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES

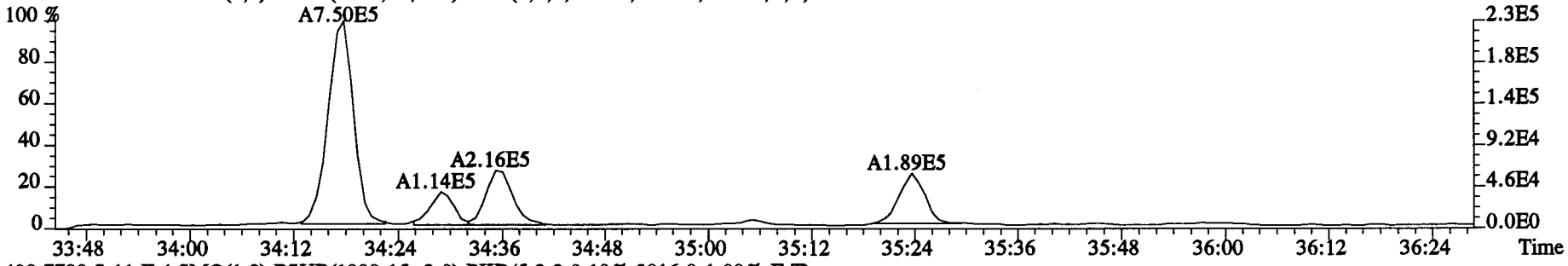


Manual Edit Codes

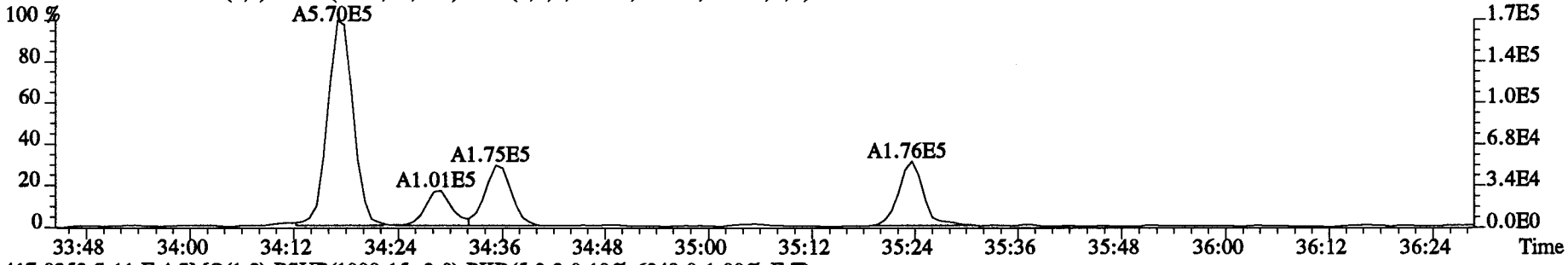
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst OS Date 12-15-10

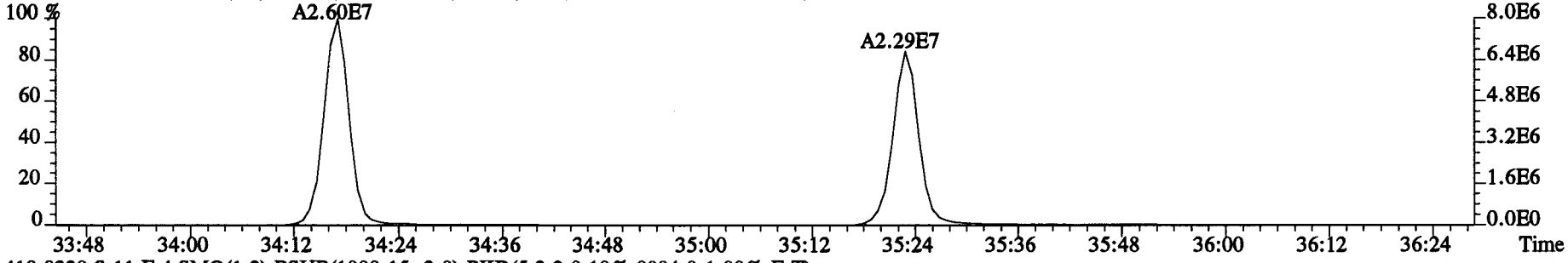
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
407.7818 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5852.0,1.00%,F,T)



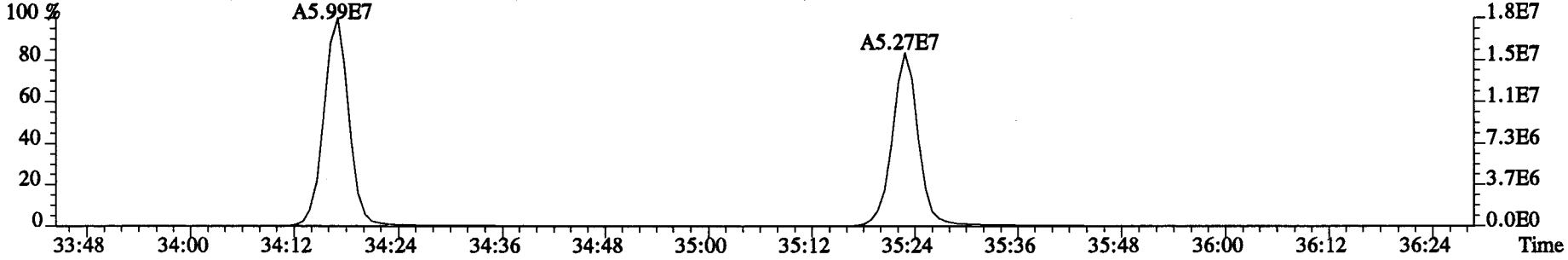
409.7789 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2016.0,1.00%,F,T)



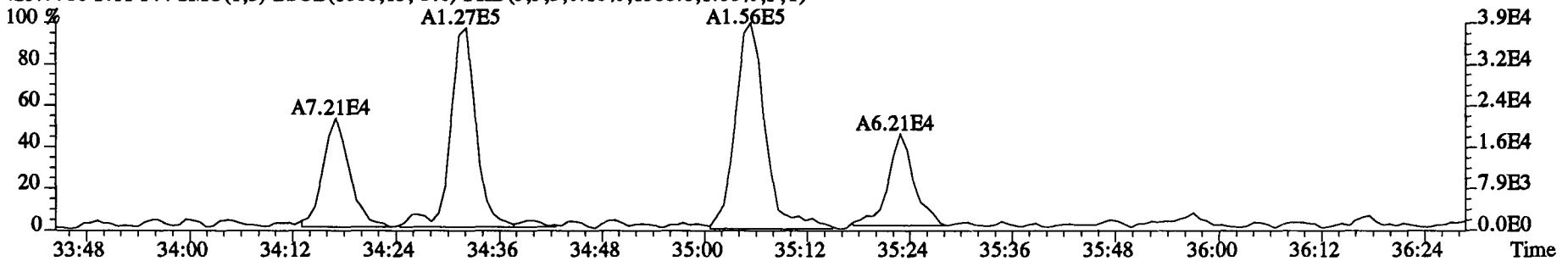
417.8253 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6348.0,1.00%,F,T)



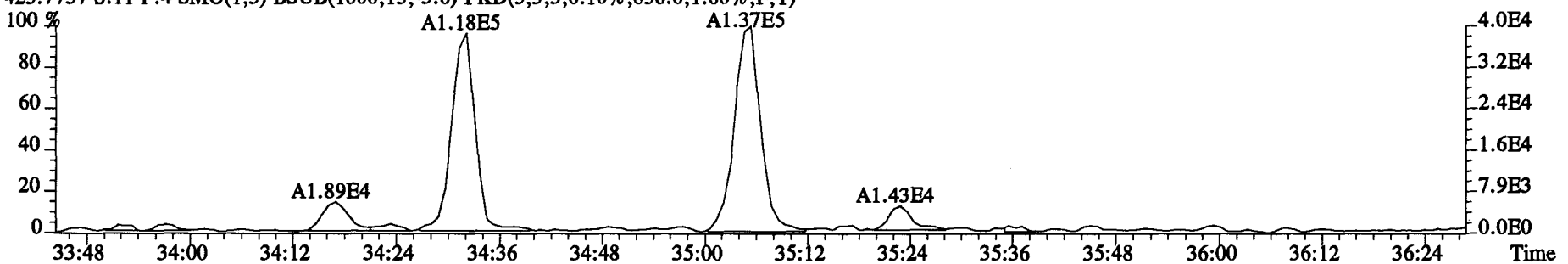
419.8220 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9084.0,1.00%,F,T)



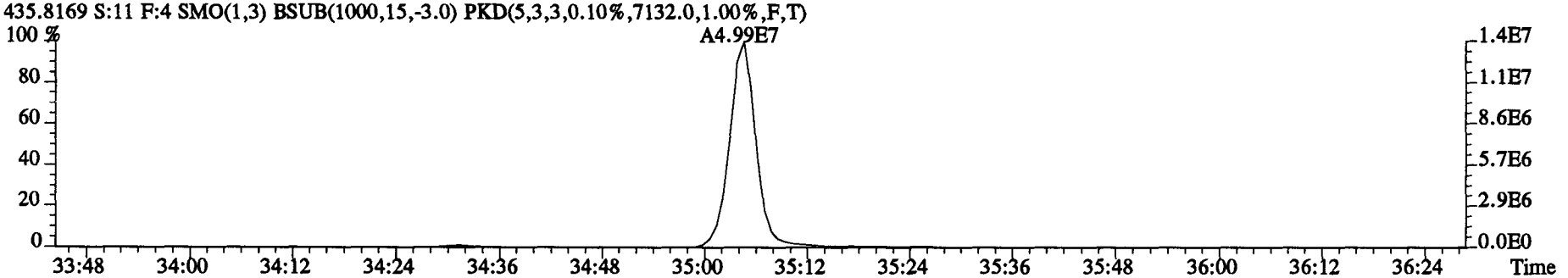
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
423.7766 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588.0,1.00%,F,T)



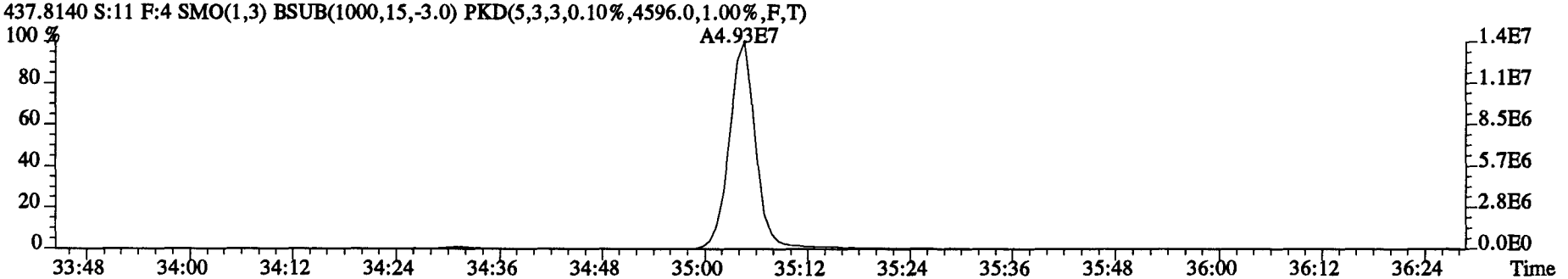
425.7737 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)



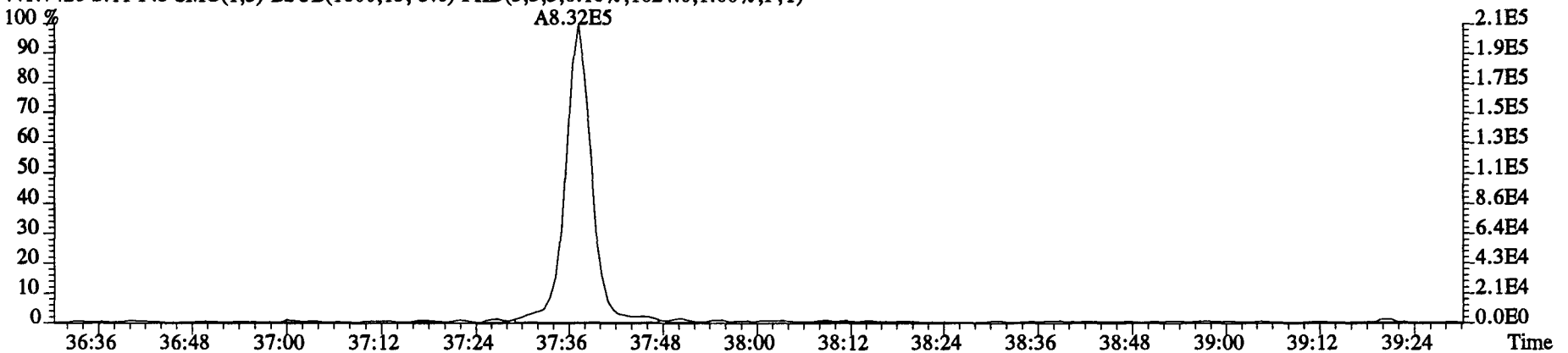
435.8169 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7132.0,1.00%,F,T)



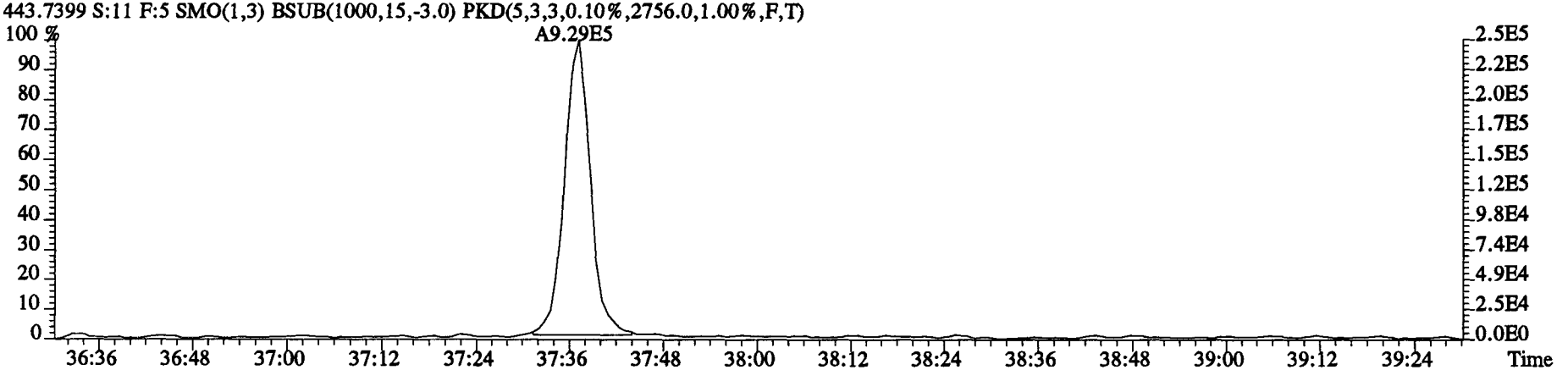
437.8140 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4596.0,1.00%,F,T)



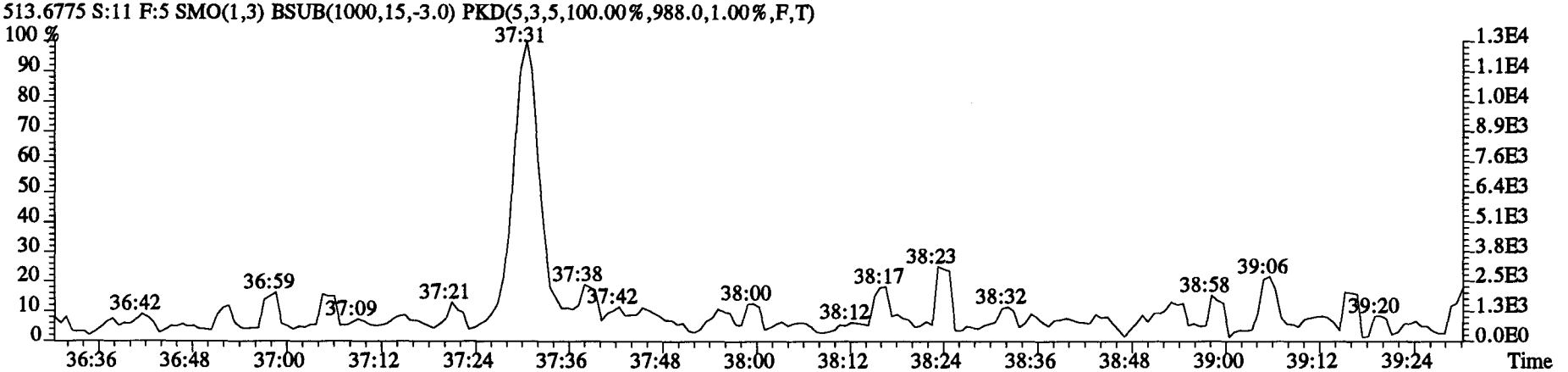
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
441.7428 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)



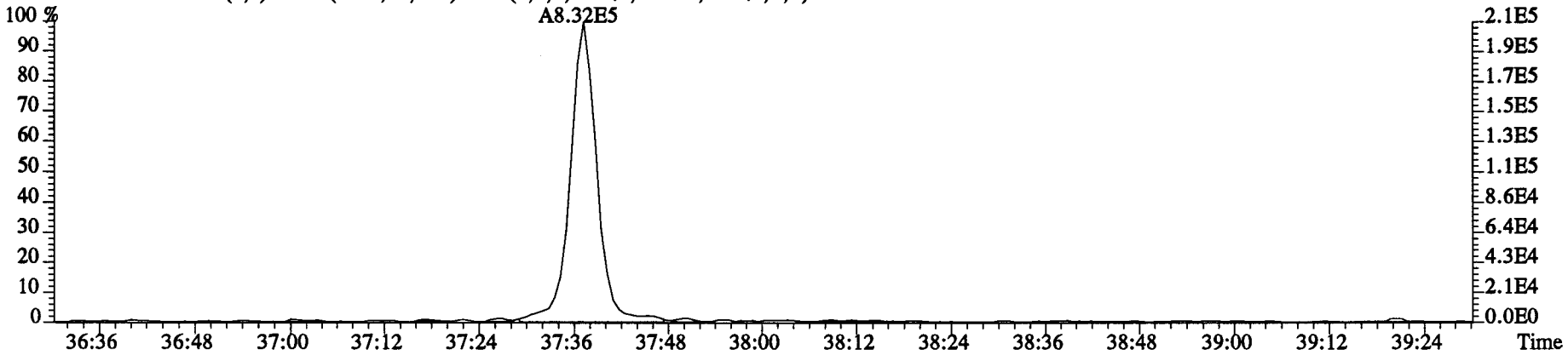
443.7399 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2756.0,1.00%,F,T)



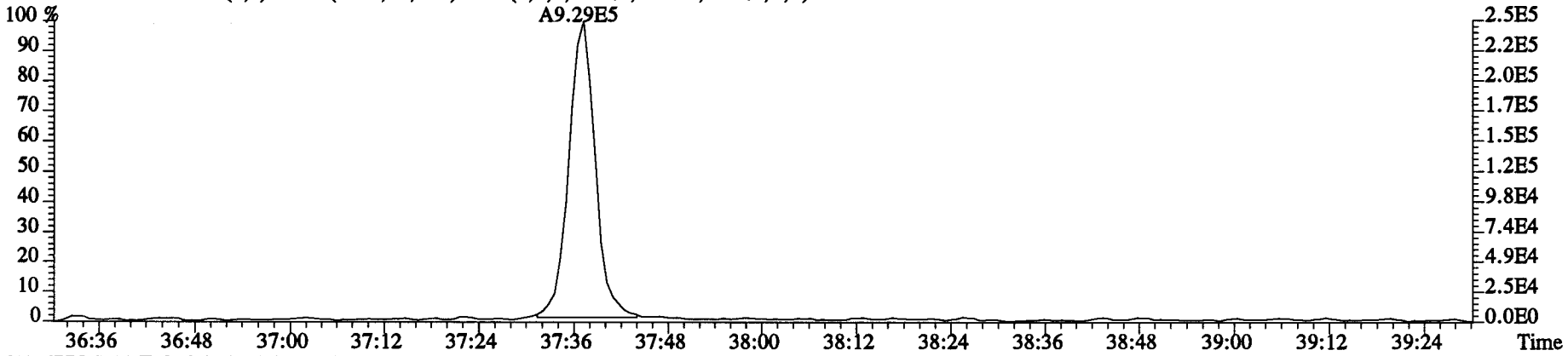
513.6775 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,988.0,1.00%,F,T)



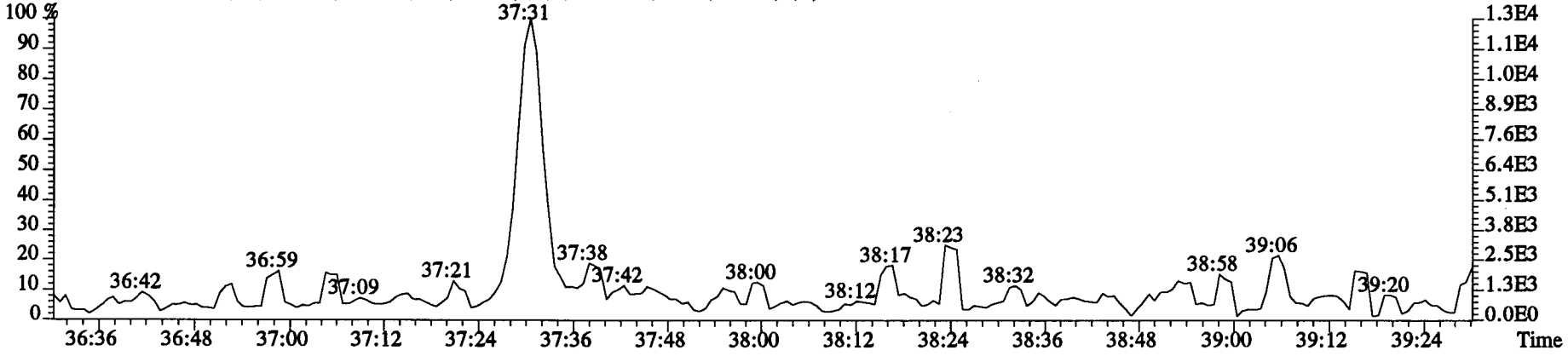
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
441.7428 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1024.0,1.00%,F,T)



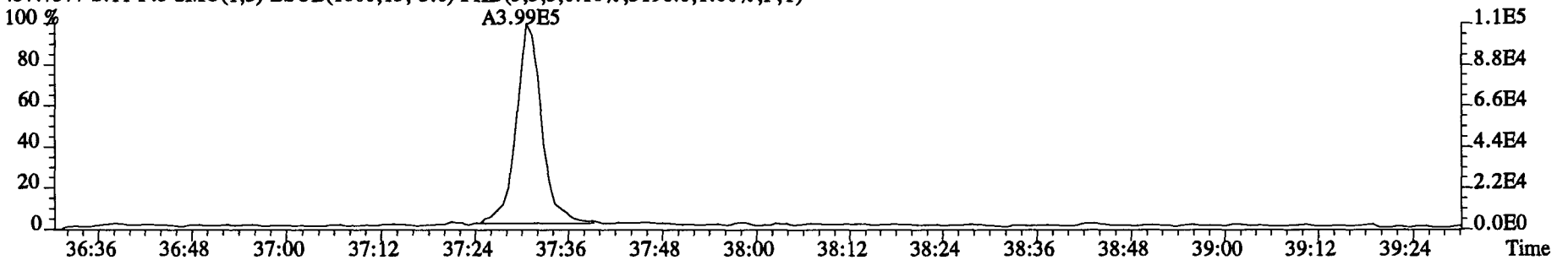
443.7399 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2756.0,1.00%,F,T)



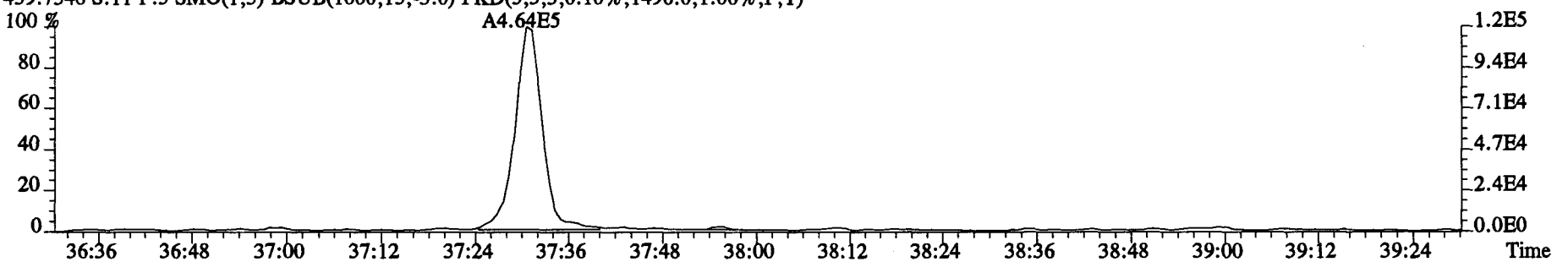
513.6775 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,988.0,1.00%,F,T)



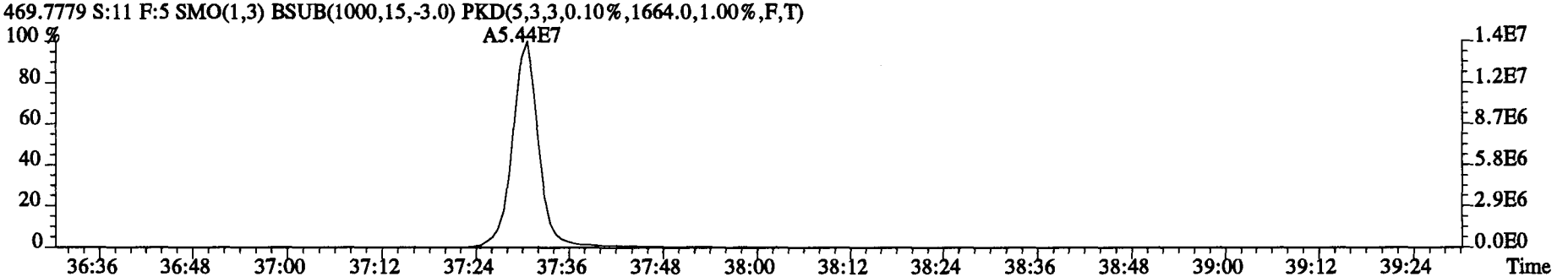
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
457.7377 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)



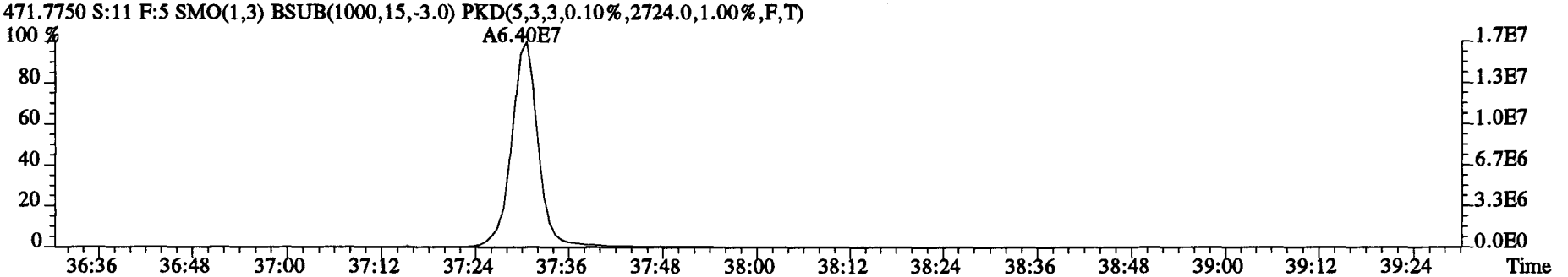
459.7348 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1496.0,1.00%,F,T)



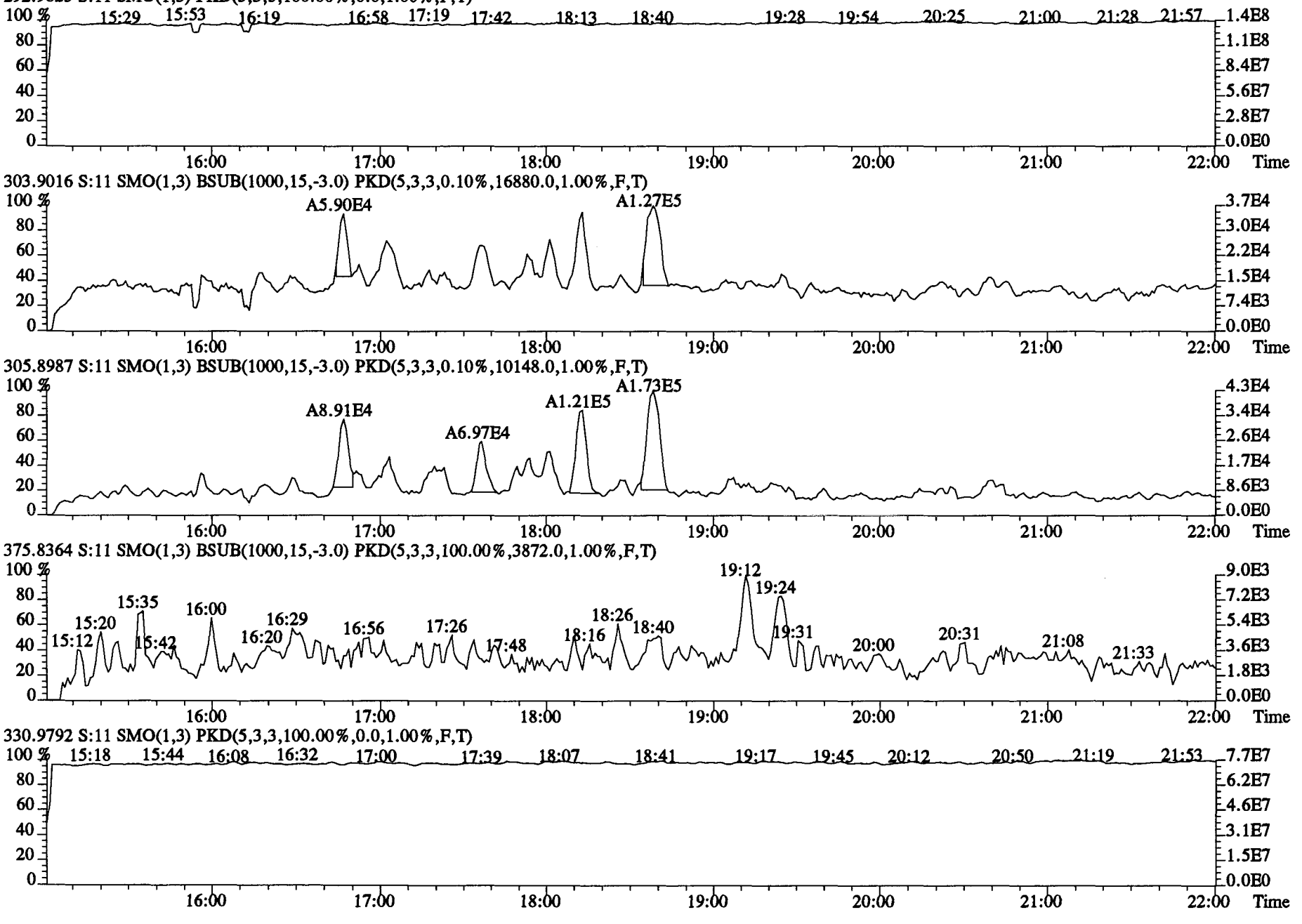
469.7779 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1664.0,1.00%,F,T)



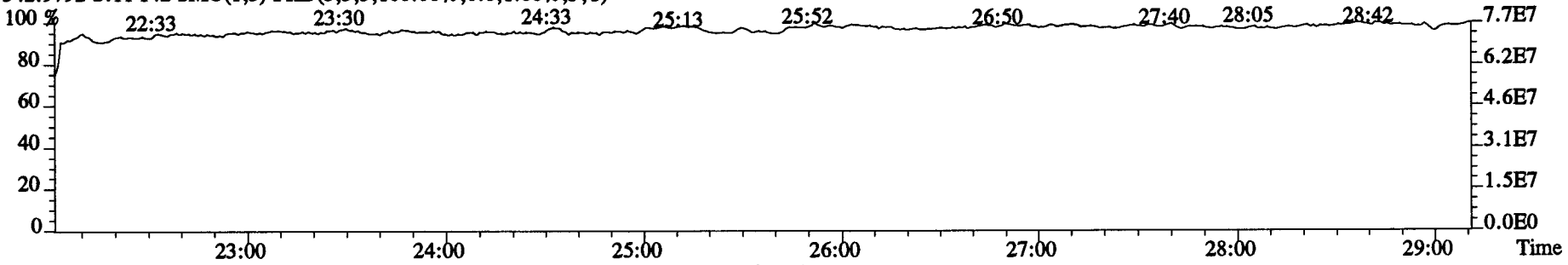
471.7750 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2724.0,1.00%,F,T)



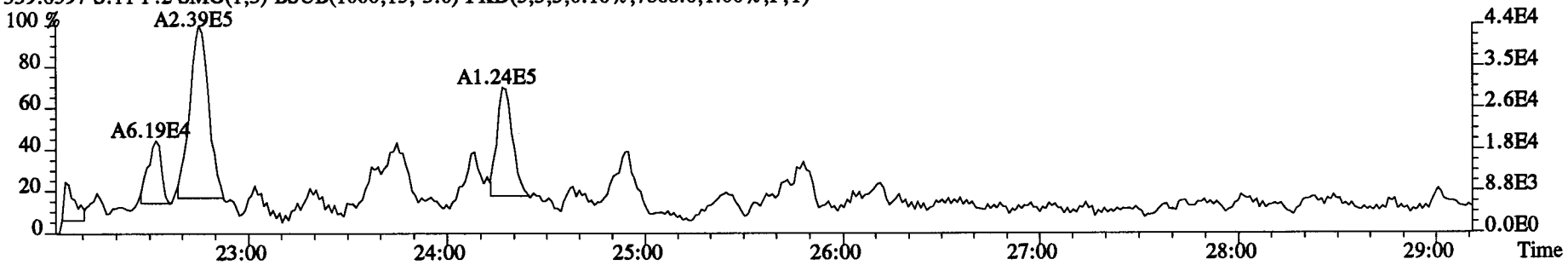
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES



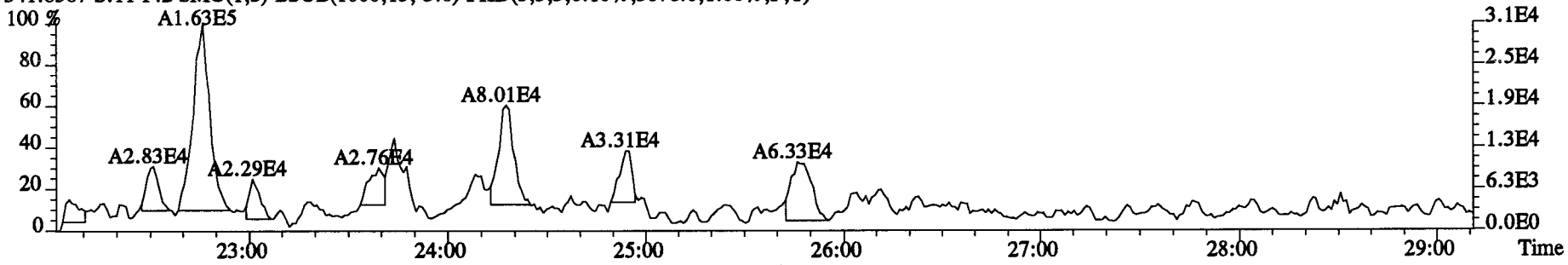
File:14DE10A9D5 #1-460 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
342.9792 S:11 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



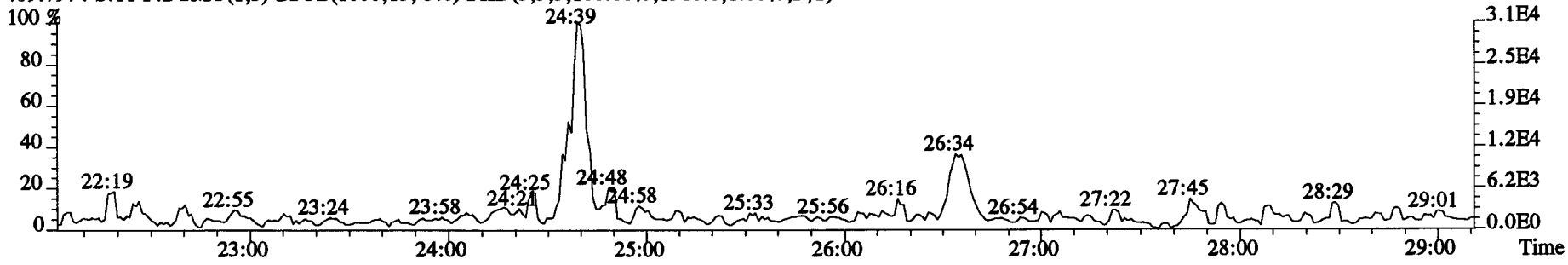
339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7868.0,1.00%,F,T)



341.8567 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3876.0,1.00%,F,T)

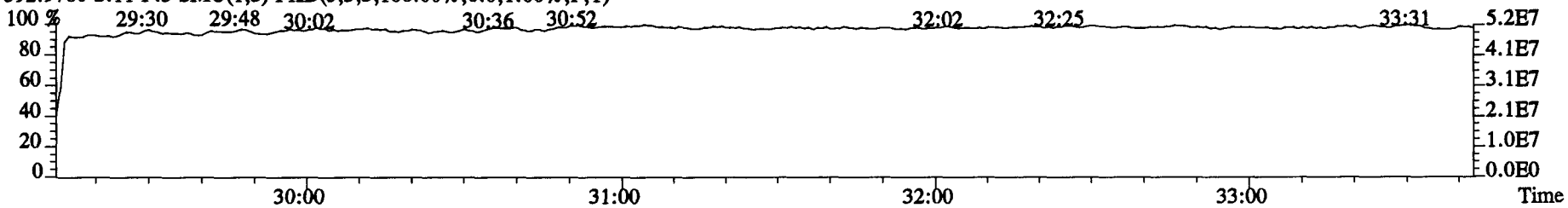


409.7974 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1968.0,1.00%,F,T)

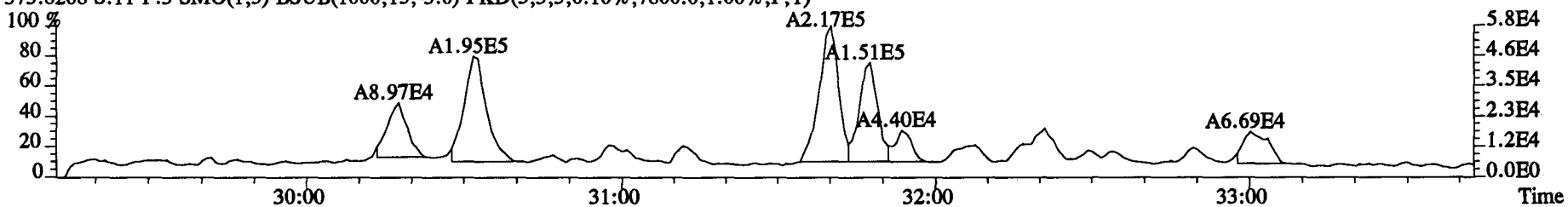


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES

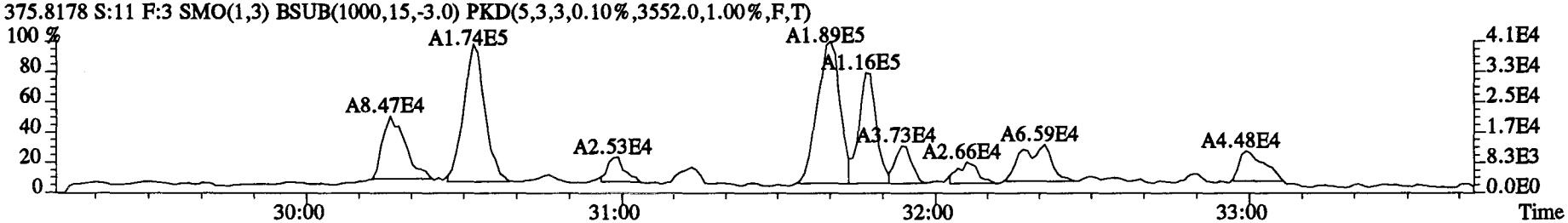
392.9760 S:11 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



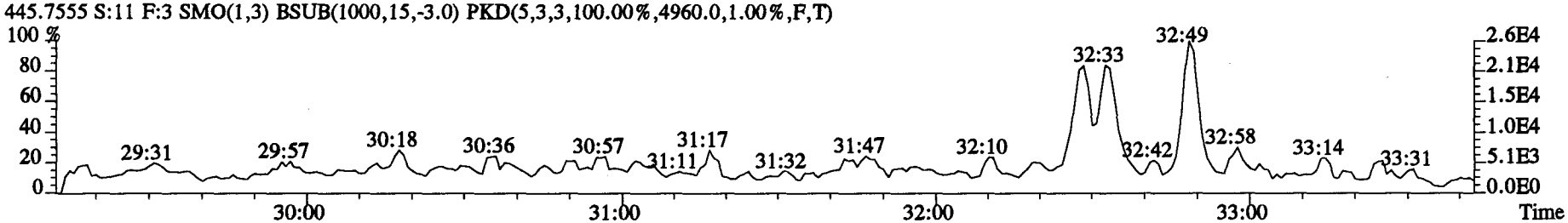
373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7800.0,1.00%,F,T)



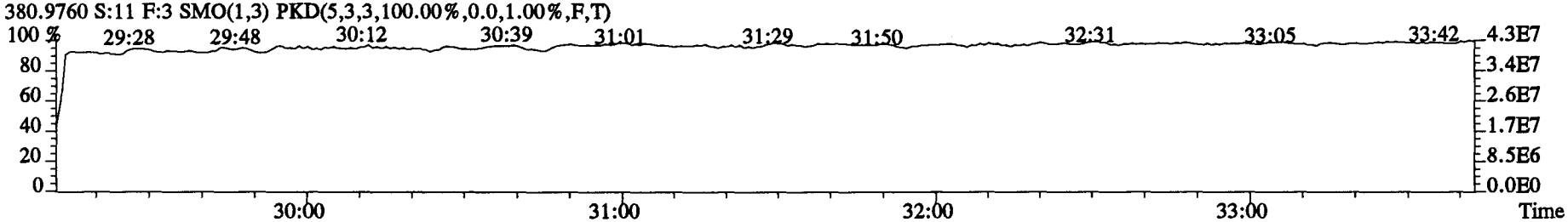
375.8178 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3552.0,1.00%,F,T)



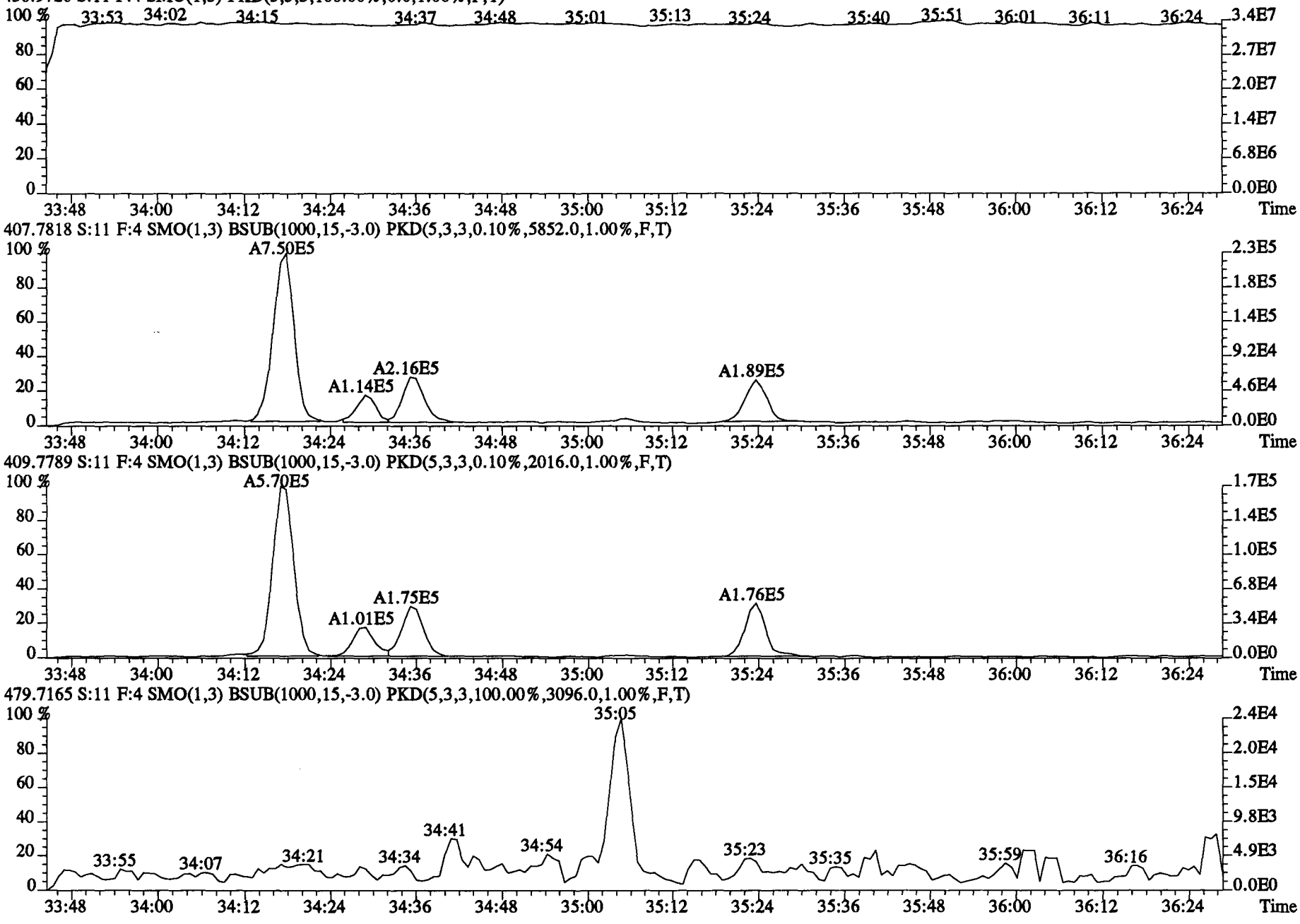
445.7555 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4960.0,1.00%,F,T)



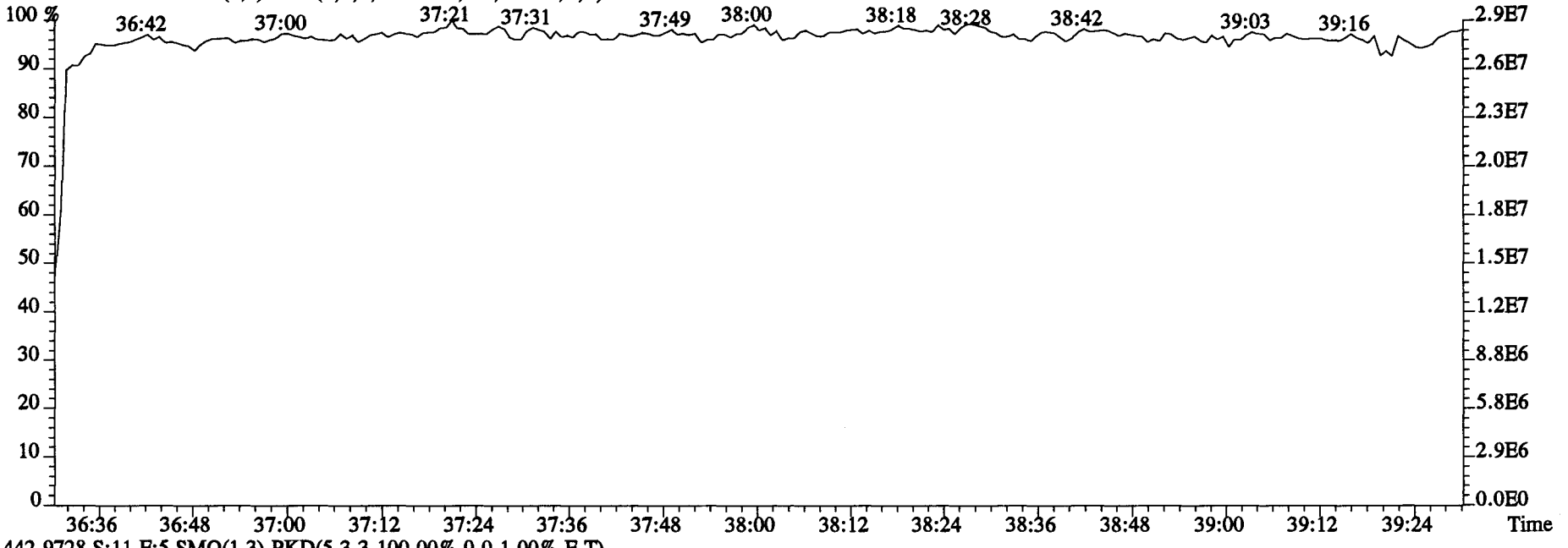
380.9760 S:11 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



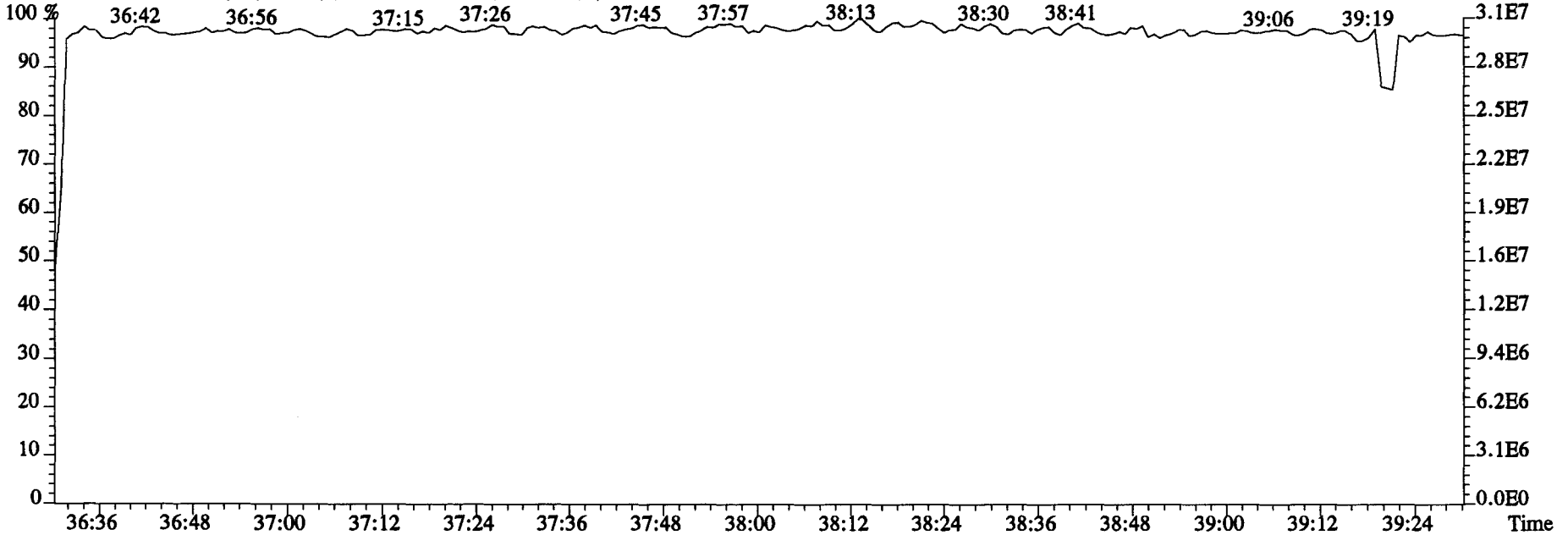
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES



File:14DE10A9D5 #1-243 Acq:14-DEC-2010 22:16:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 Text:MAWFD-1-AA :G0L040465-10 Exp:DIOXINRES
454.9728 S:11 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:11 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

05
12-15-10

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325, Task:

#	Name	Trace	Sample Size	RT	Pred.RT	RF	Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	19.88	19.87	1.00000	377898.08	4000.0000	4000.0000	100.0	4.90806	0.81	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.28	19.10	1.31203	470495.06	3795.7509	3795.7510	94.9 ✓	3.01453	0.79	NO	
4	2,3,7,8-TCDF	303.9016	0.500		19.28	0.99766			ND		1.27833		NO	
5	Total TCDFs	303.9016	0.500		21.44	0.99766		0.2567	~~0.1950~~		1.27833			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.11	20.09	0.90938	340700.25	3965.6132	3965.6130	99.1 ✓	5.39712	0.81	NO	
8	2,3,7,8-TCDD	319.8965	0.500		20.09	1.03464			ND		1.64201		NO	
9	Total TCDDs	319.8965	0.500		22.69	1.03464			ND		~~0.70284~~ 1.642			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500		20.11	0.65529					1.95875	→ See next page		
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.21	25.11	1.02378	340170.75	3517.0189	3517.0190	87.9 ✓	3.07733	1.64	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500		25.21	1.09163			ND		1.78736		NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500		26.74	1.06412			ND		1.83357		NO	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787					~~0.78216~~			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787		1.0830	~~0.6180~~		2.04447			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.64	27.48	0.73445	246937.50	3558.8521	3558.8520	89.0 ✓	4.89460	1.63	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		27.64	0.96030			ND		2.18069		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.96030		1.3392	~~1.0250~~		2.18069			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.38	33.27	1.00000	252207.38	4000.0000	4000.0000	100.0	4.53793	1.30	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.27	32.24	1.04941	253955.83	3838.0854	3838.0850	96.0 ✓	4.49919	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500		32.27	1.31260			ND		1.04055		NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500		32.39	1.43801			ND		0.94980		NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500		32.93	1.35233			ND		1.00998		NO	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.58	33.57	1.19752	77.38	1.0177	~~0.7760~~		1.14055	1.94	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.32511		1.0177	~~0.7760~~		~~1.03072~~ 1.1406 ✓			
31														

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325, Task:

	Name											
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.12	33.11	0.90452	221955.21	3891.7758	3891.7760	97.3 /	5.01693	1.28	NO
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.15	33.05	0.98150	48.69	0.8939	~~0.7730~~		1.63904	0.92	YES
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.91	33.12	1.09425	36.22	0.5966	~~0.5970~~		1.47017	1.05	NO
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.40	33.39	1.05784	85.48	1.4563	~~1.2680~~		1.52077	0.93	YES
36	Total HxCDDs	389.8157	0.500		0.00	1.04453		6.7636	~~5.7140~~		~~1.54014~~ 1.639		
37													
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.91	34.92	0.95391	232513.26	3865.8476	3865.8480	96.6/	7.09927	0.43	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.91	34.91	1.46280	148.44	1.7457	1.5110 J,Q		0.89533	1.36	YES
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.11	36.08	1.23081	51.38	0.7181	~~0.5670~~		1.06408	1.58	YES
41	Total HpCDFs	407.7818	0.500		0.00	1.34680		2.4638	~~2.0780~~ 1.511 ~		0.97244		
42													
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.74	35.76	0.84836	202041.23	3777.1242	3777.1240	94.4 /	5.21577	1.04	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.74	35.74	1.05453	138.03	2.5913	1.8800 J,Q		1.32784	1.81	YES
45	Total HpCDDs	423.7766	0.500		0.09	1.05453		4.1836	~~3.0660~~ 1.88 ✓		1.32784		
46													
47	13C-OCDD	469.7779	0.500	38.32	38.36	0.67464	308372.30	7249.4146	7249.4150	90.6 /	7.67557	0.88	NO
48	OCDF	441.7428	0.500		38.44	1.48610			ND		1.45121		NO
49	OCDD	457.7377	0.500	38.32	38.32	1.14618	288.38	6.5271	6.5270 J		1.49573	0.79	NO
50													
51													
52	Function 1 PFK	330.97920	1.000		38.25								
53	Function 2 PFK	342.97920	1.000		38.25								
54	Function 3 PFK	380.97600	1.000		38.25								
55	Function 4 PFK	430.97290	1.000		38.25								
56	Function 5 PFK	442.97280	1.000		0.00								
57	TCDF PCDPE	375.8364	1.000		38.25								
58	F1 PeCDF PCDPE	409.79740	1.000		38.25								
59	F2 PeCDF PCDPE	409.79740	1.000		38.25								
60	HXCDF PCDPE	445.7555	1.000		38.25								
61	HPCDF PCDPE	479.7165	1.000		38.25								
62	OCDF PCDPE	513.67750	1.000		0.00								

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:26:28 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 15 Dec 2010 13:24:35
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

12-15-10

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M.	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	19.88	19.89	1.00000	377898.08	4000.0000	4000.0000	100.0	4.90806	0.81	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.28	19.26	1.31203	470495.06	3795.7509	3795.7509	94.9	3.01453	0.79	NO	
4	2,3,7,8-TCDF	303.9016	0.500		19.28	0.99766					1.27833		NO	
5	Total TCDFs	303.9016	0.500		21.44	0.99766		0.2567	0.1954		1.27833			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.11	20.10	0.90938	340700.25	3965.6132	3965.6132	99.1	5.39712	0.81	NO	
8	2,3,7,8-TCDD	319.8965	0.500		20.11	1.03464					1.64201		NO	
9	Total TCDDs	319.8965	0.500		22.69	1.03464					0.79284			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500	20.12	20.11	0.65529	92098.02	1650.0676	0.0000	103.1	1.95875			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.21	24.93	1.02378	340170.75	3517.0189	3517.0189	87.9	3.07733	1.64	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500		25.21	1.09163					1.78736		NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500		26.74	1.06412					1.83357		NO	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787					0.78216			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787		1.0830	0.6182		2.04447			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.64	27.30	0.73445	246937.50	3558.8521	3558.8521	89.0	4.89460	1.63	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		27.64	0.96030					2.18069		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.96030		1.3170	1.0252		2.18069			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.38	33.27	1.00000	252207.38	4000.0000	4000.0000	100.0	4.53793	1.30	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.27	32.24	1.04941	253955.83	3838.0854	3838.0854	96.0	4.49919	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500		32.27	1.31260					1.04055		NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500		32.39	1.43801					0.94980		NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500		32.93	1.35233					1.00998		NO	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.58	33.57	1.19752	77.38	1.0177	0.7760		1.14055	1.94	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.32511		1.0177	0.7760		1.03072			
31														

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:26:28 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.12	33.11	0.90452		221955.21	3891.7758	3891.7758	97.3	5.01693	1.28	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.15	33.05	0.98150		48.69	0.8939	0.7734		1.63904	0.92	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.91	33.12	1.09425		36.22	0.5966	0.5966		1.47017	1.05	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.40	33.39	1.05784		85.48	1.4563	1.2682		1.52077	0.93	YES	
36	Total HxCDDs	389.8157	0.500		0.00	1.04453			6.7636	5.7145		1.54014			
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.91	34.92	0.95391		232513.26	3865.8476	3865.8476	96.6	7.09927	0.43	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.91	34.91	1.46280		148.44	1.7457	1.5107		0.89533	1.36	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.11	36.08	1.23081		51.38	0.7181	0.5674		1.06408	1.58	YES	
41	Total HpCDFs	407.7818	0.500		0.00	1.34680			2.4638	2.0781		0.97244			
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.74	35.76	0.84836		202041.23	3777.1242	3777.1242	94.4	5.21577	1.04	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.74	35.74	1.05453		138.03	2.5913	1.8803		1.32784	1.81	YES	
45	Total HpCDDs	423.7766	0.500		0.09	1.05453			4.1836	3.0656		1.32784			
46															
47	13C-OCDD	469.7779	0.500	38.32	38.36	0.67464		308372.30	7249.4146	7249.4146	90.6	7.67557	0.88	NO	
48	OCDF	441.7428	0.500		38.44	1.48610						1.45121		NO	
49	OCDD	457.7377	0.500	38.32	38.32	1.14618		288.38	6.5271	6.5271		1.49573	0.79	NO	
50															
51															
52	Function 1 PFK	330.97920	1.000		38.25										
53	Function 2 PFK	342.97920	1.000		38.25										
54	Function 3 PFK	380.97600	1.000		38.25										
55	Function 4 PFK	430.97290	1.000		38.25										
56	Function 5 PFK	442.97280	1.000		0.00										
57	TCDF PCDPE	375.8364	1.000		38.25										
58	F1 PeCDF PCDPE	409.79740	1.000		38.25										
59	F2 PeCDF PCDPE	409.79740	1.000		38.25										
60	HXCDF PCDPE	445.7555	1.000		38.25										
61	HPCDF PCDPE	479.7165	1.000		38.25										
62	OCDF PCDPE	513.67750	1.000		0.00										

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

---

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325, Task:

Total TCDFs

	5	Total TCDFs	303.9016	15.25	30.119	0.2567	0.1950	0.99766	1.2783	0.495	0.770	YES	2.030

Total TCDDs

Total F2 PeCDFs

Total F1 PeCDFs

1	17	Total F1 PeCD...	339.8597	21.54	34.173	0.3728	0.3160	1.07787	2.0445	1.063	1.550	YES	1.659
2	17	Total F1 PeCD...	339.8597	15.83	65.098	0.7102	0.3020	1.07787	2.0445	4.993	1.550	YES	1.352

Total PeCDDs

1	21	Total PeCDDs	355.8546	26.79	33.933	0.5724	0.2580	0.96030	2.1807	4.649	1.550	YES	1.830
2	21	Total PeCDDs	355.8546	24.49	18.545	0.3128	0.3130	0.96030	2.1807	1.709	1.550	NO	1.988
3	21	Total PeCDDs	355.8546	29.26	26.913	0.4540	0.4540	0.96030	2.1807	1.780	1.550	NO	2.325

Total HxCDFs

1	29	1,2,3,7,8,9-Hx...	373.8208	33.58	77.376	1.0177	0.7760	1.19752	1.1405	1.938	1.240	YES	2.723

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325, Task:

Total HxCDDs

36	Total HxCDDs	389.8157	33.54	91.756	1.5831	1.5830	1.04453	1.5401	1.325	1.240	NO	2.525
35	1,2,3,7,8,9-Hx...	389.8157	33.40	85.481	1.4563	1.2680	1.05784	1.5208	0.931	1.240	YES	2.639
36	Total HxCDDs	389.8157	33.35	64.082	1.1056	0.7760	1.04453	1.5401	0.636	1.240	YES	3.541
33	1,2,3,4,7,8-Hx...	389.8157	33.15	48.685	0.8939	0.7730	0.98150	1.6390	0.919	1.240	YES	2.133
34	1,2,3,6,7,8-Hx...	389.8157	32.91	36.224	0.5966	0.5970	1.09425	1.4702	1.054	1.240	NO	1.624
36	Total HxCDDs	389.8157	32.37	31.016	0.5351	0.1910	1.04453	1.5401	5.261	1.240	YES	0.913
36	Total HxCDDs	389.8157	31.25	34.366	0.5929	0.5260	1.04453	1.5401	0.963	1.240	YES	2.086

Total HpCDFs

39	1,2,3,4,6,7,8-H...	407.7818	34.91	148.438	1.7457	1.5110	1.46280	0.8953	1.357	1.040	YES	4.188
40	1,2,3,4,7,8,9-H...	407.7818	36.11	51.377	0.7181	0.5670	1.23081	1.0641	1.582	1.040	YES	2.679

Total HpCDDs

44	1,2,3,4,6,7,8-H...	423.7766	35.74	138.025	2.5913	1.8800	1.05453	1.3278	1.811	1.040	YES	5.415
45	Total HpCDDs	423.7766	35.18	84.816	1.5923	1.1850	1.05453	1.3278	0.612	1.040	YES	6.075

Quantify Sample Report **MassLynx 4.1**

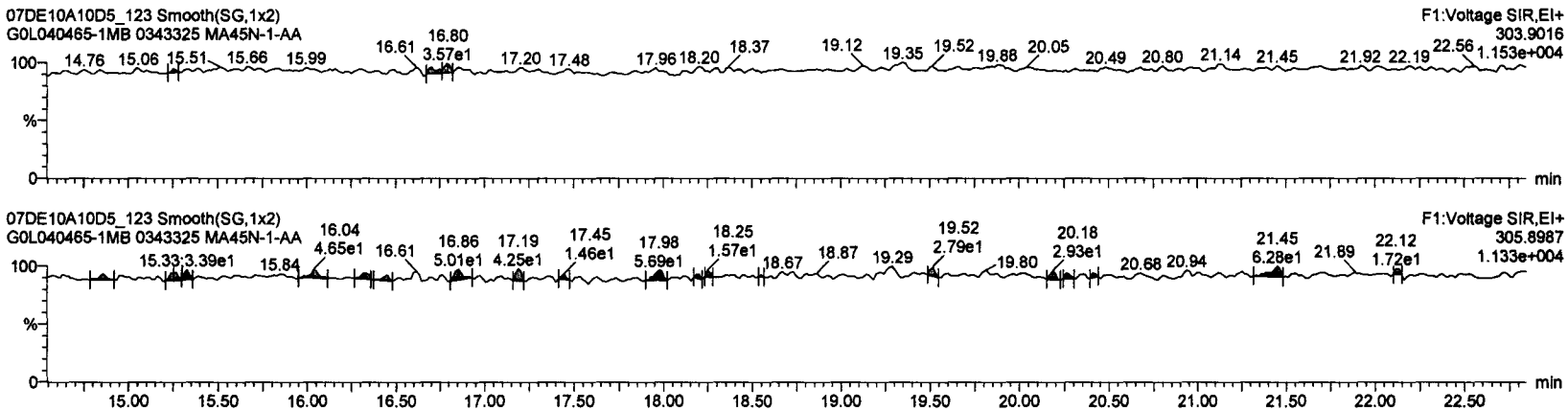
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

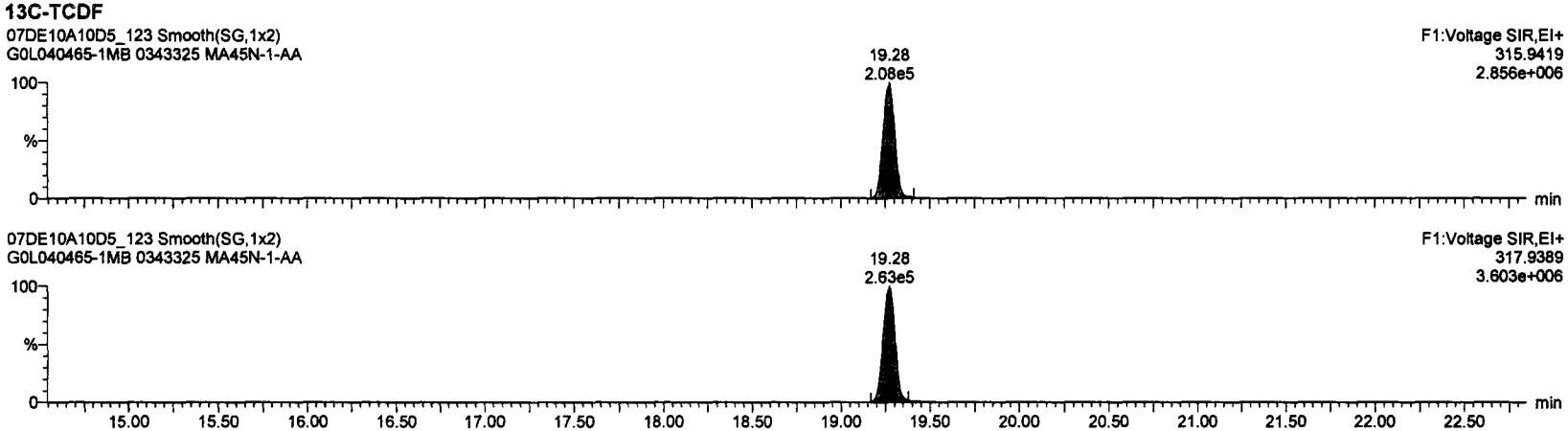
Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

TCDFs



13C-TCDF



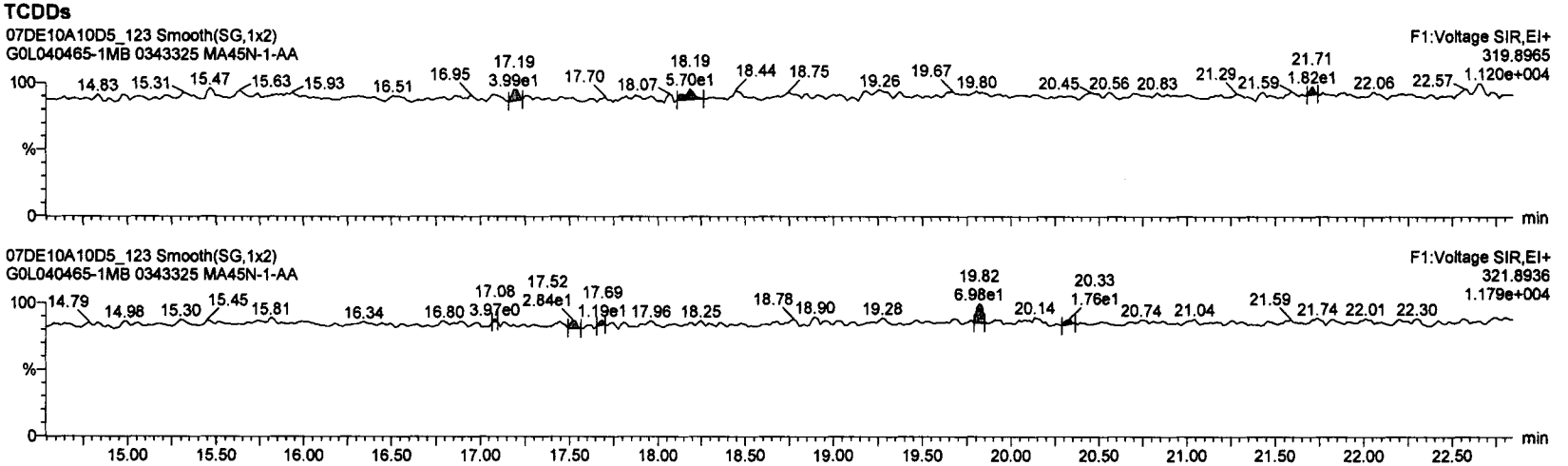
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

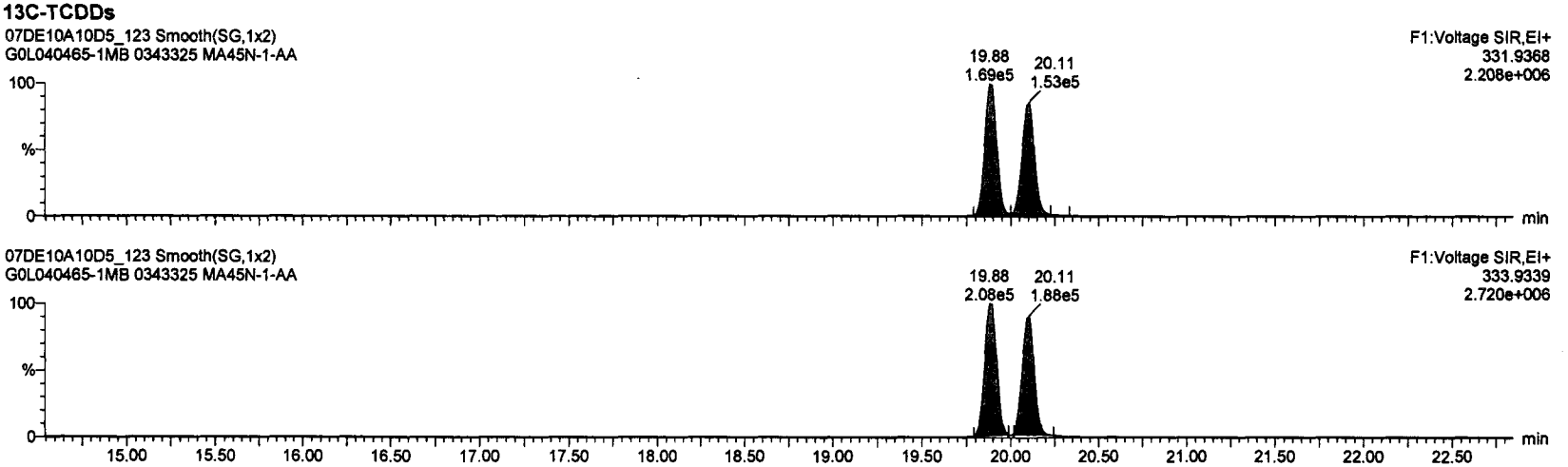
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

TCDDs



13C-TCDDs



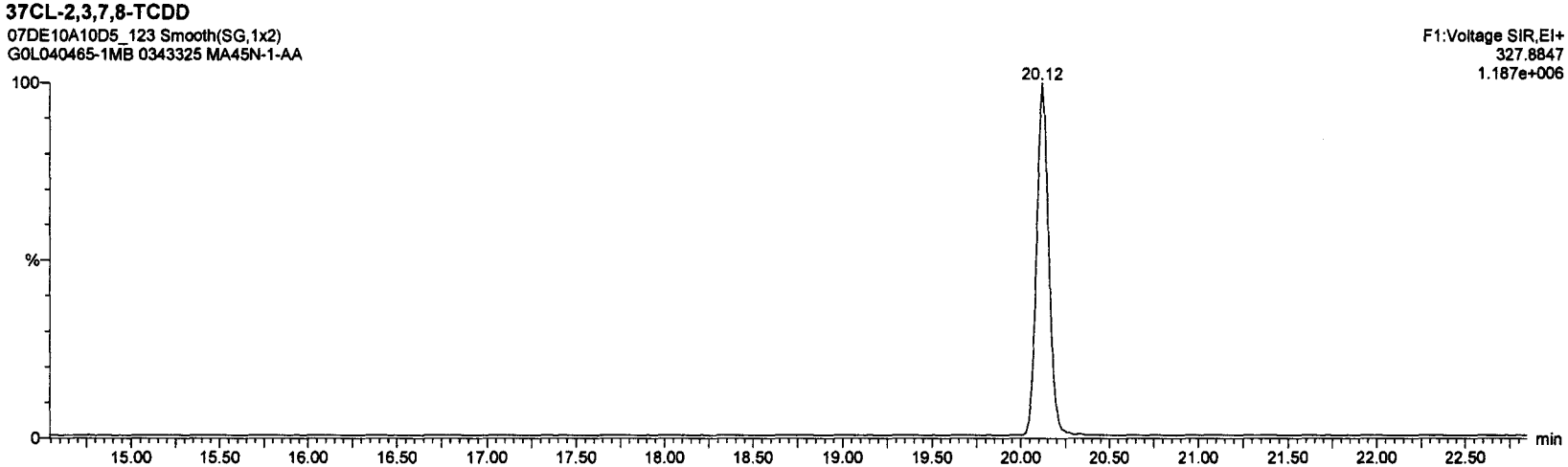
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

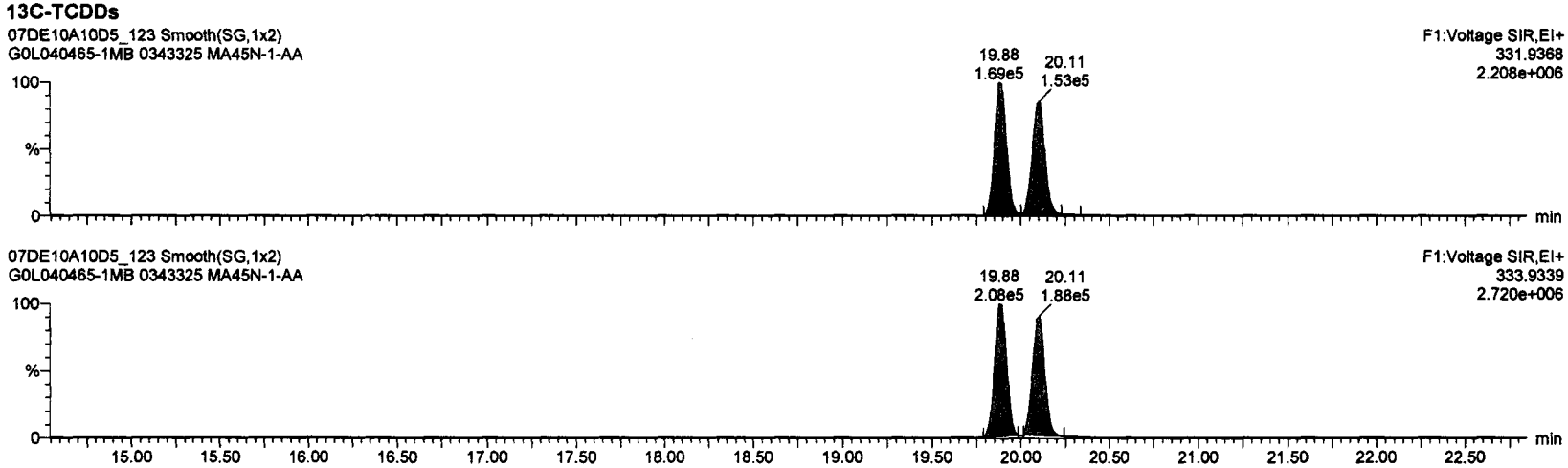
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

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



13C-TCDDs



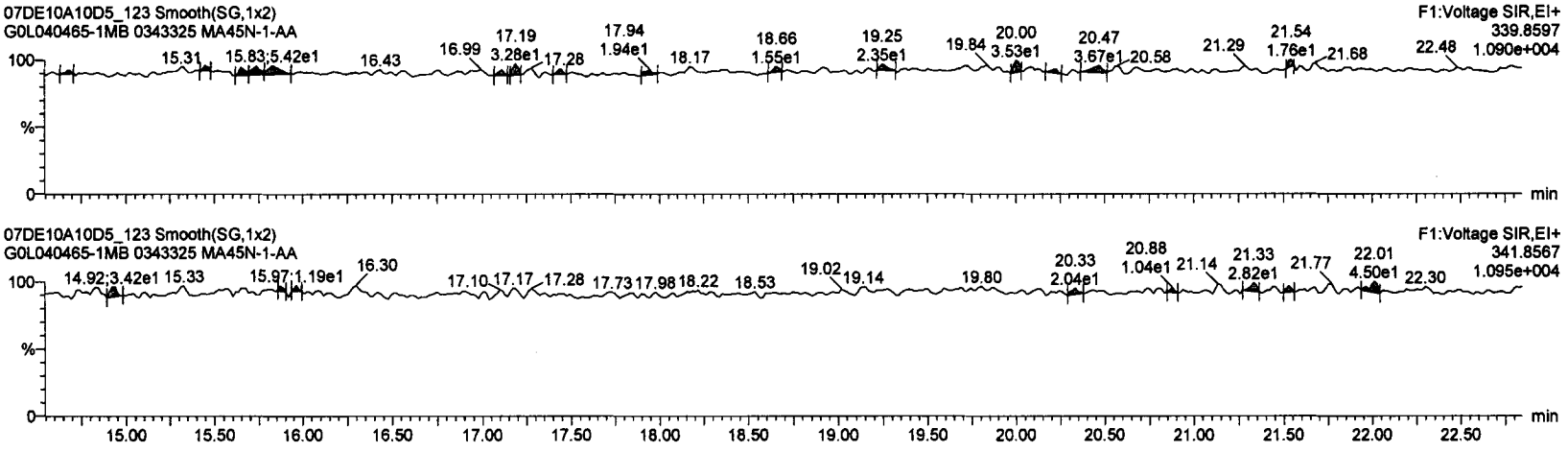
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

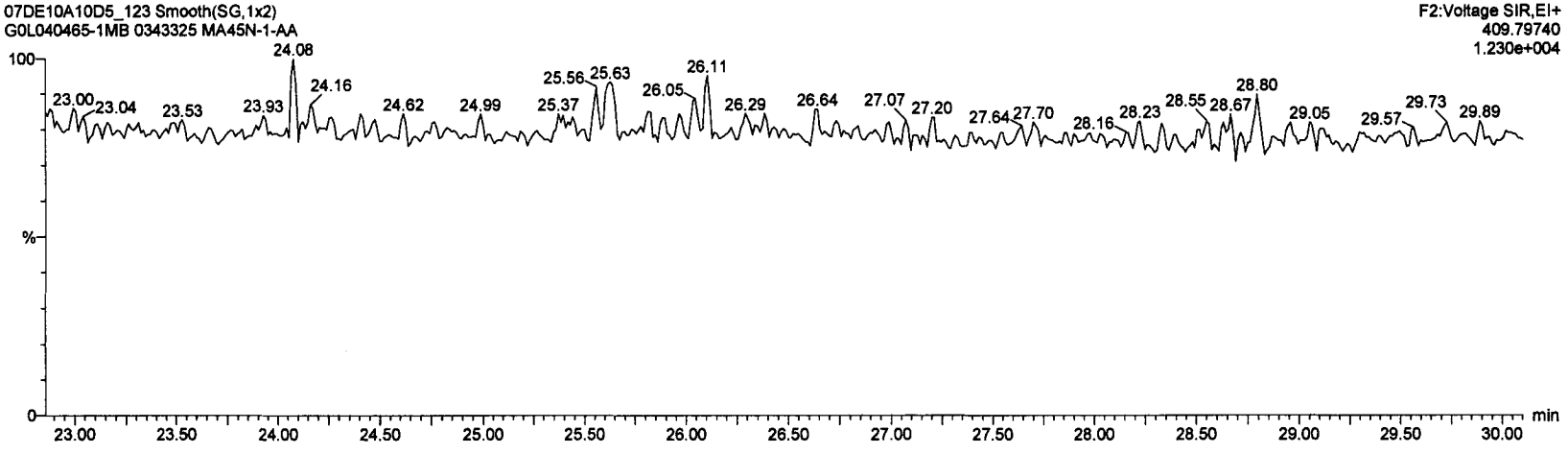
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

F1 PeCDFs



F1 PeCDF PCDPE



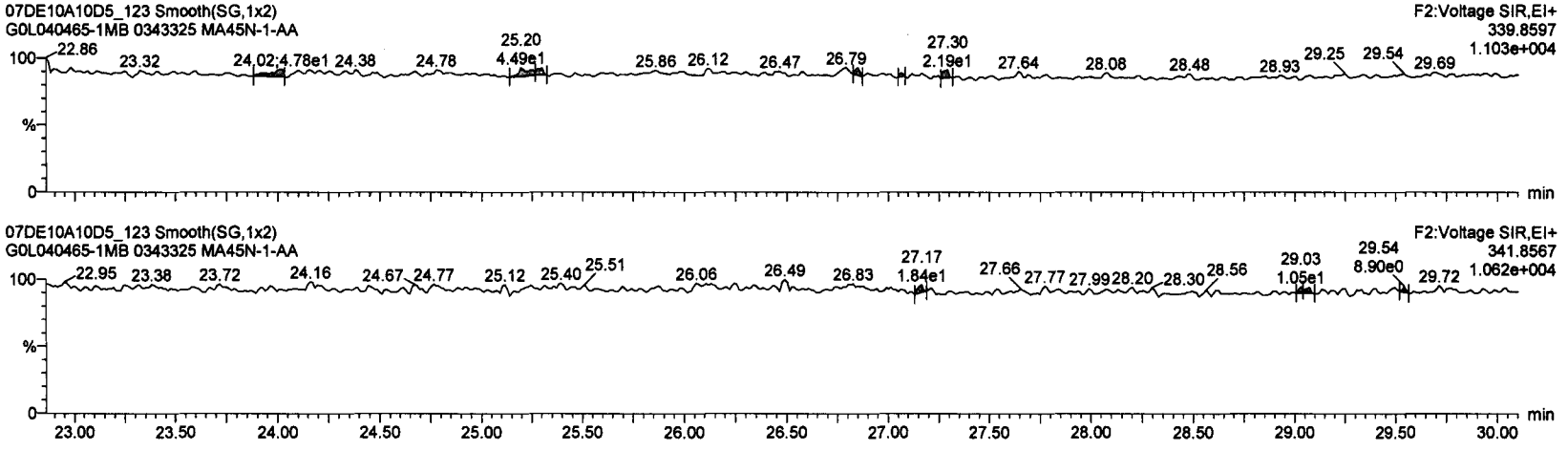
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

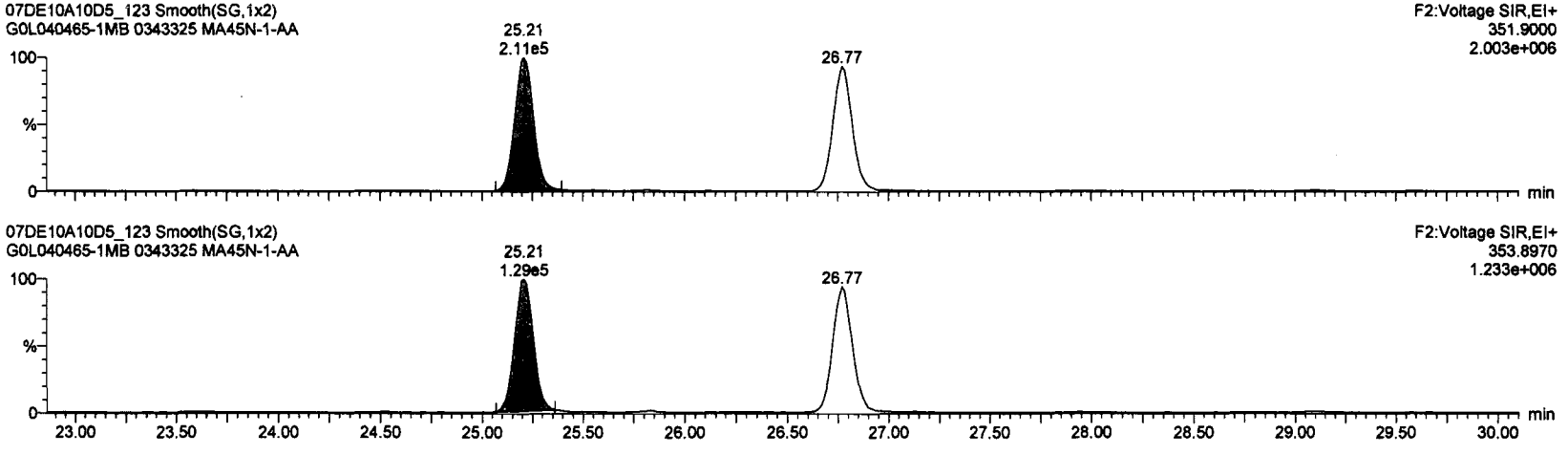
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

PeCDFs



13C-PeCDFs



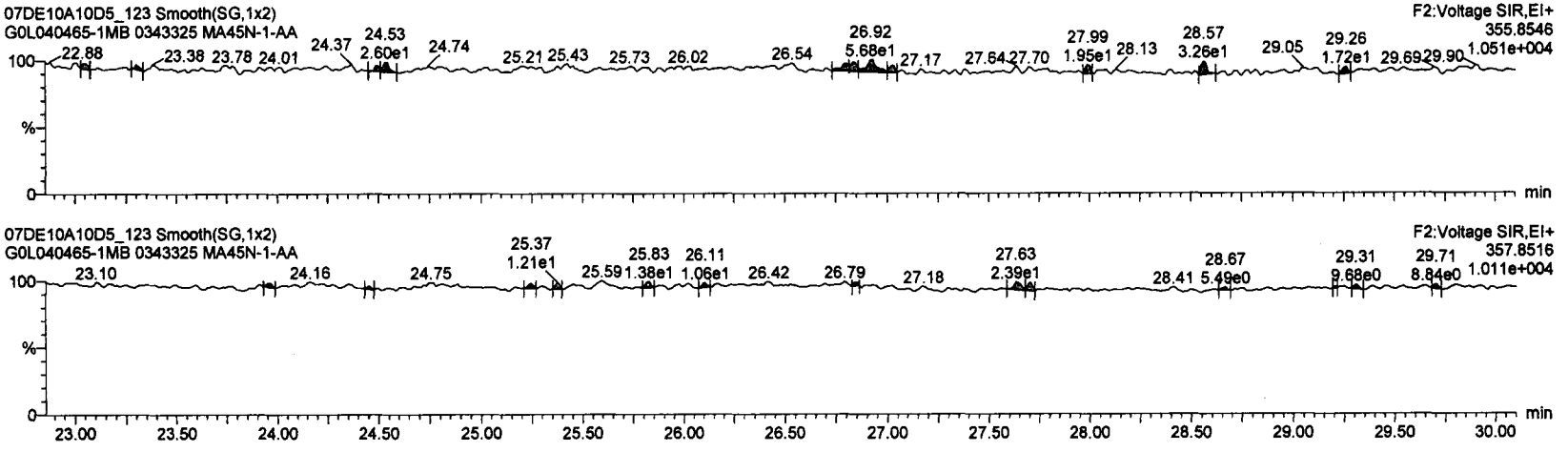
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

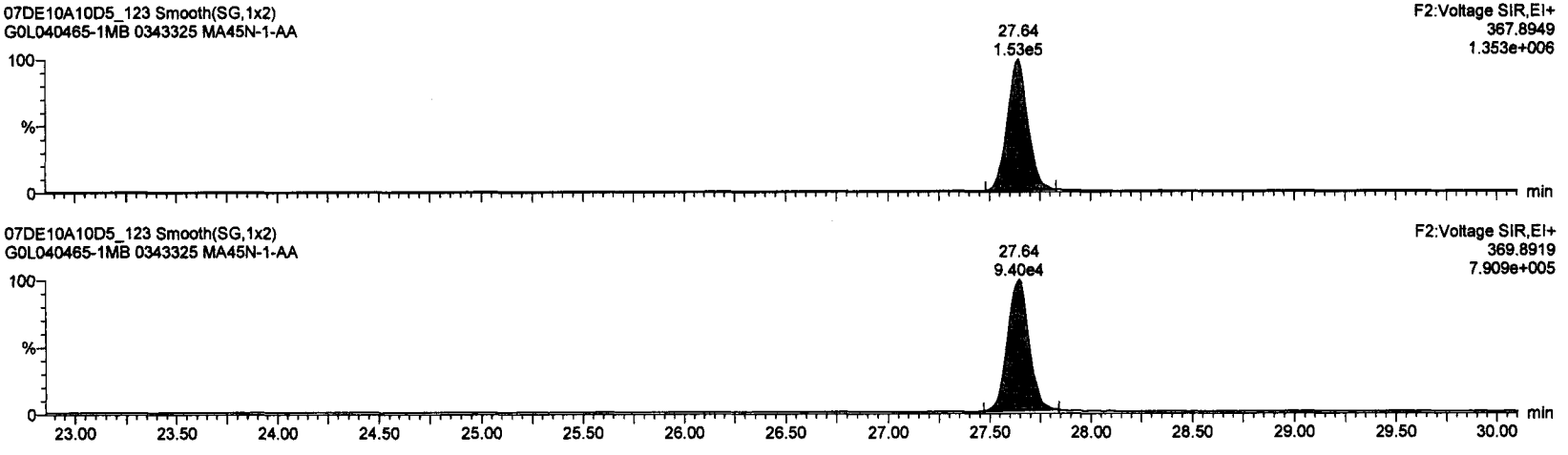
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

PeCDDs



13C-PeCDD



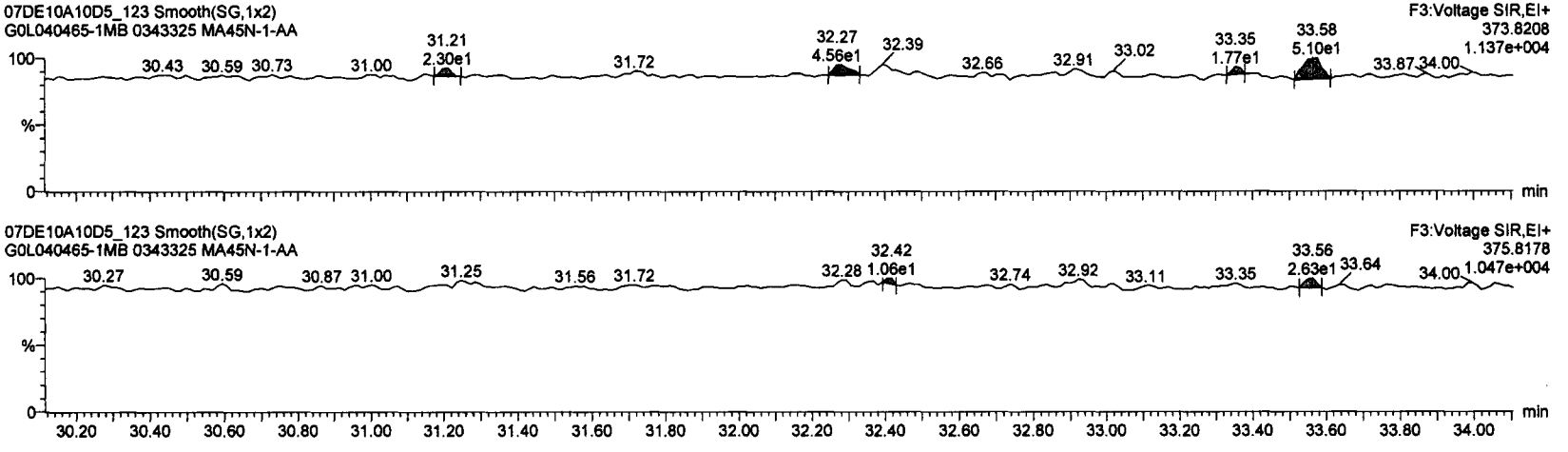
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

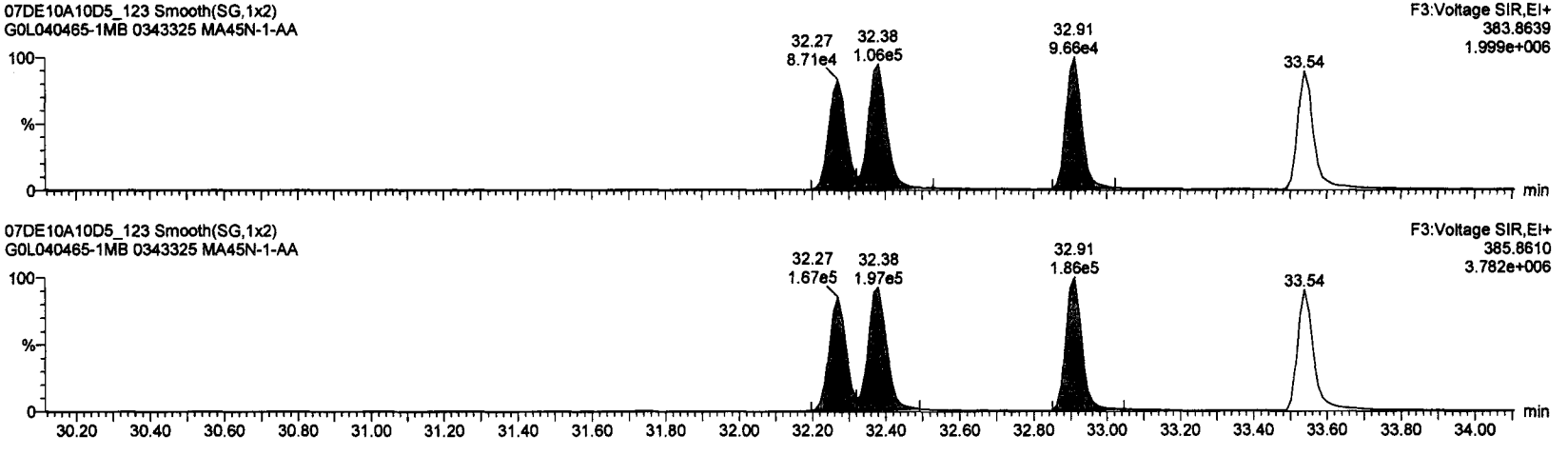
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

HxCDFs



13C-HxCDFs



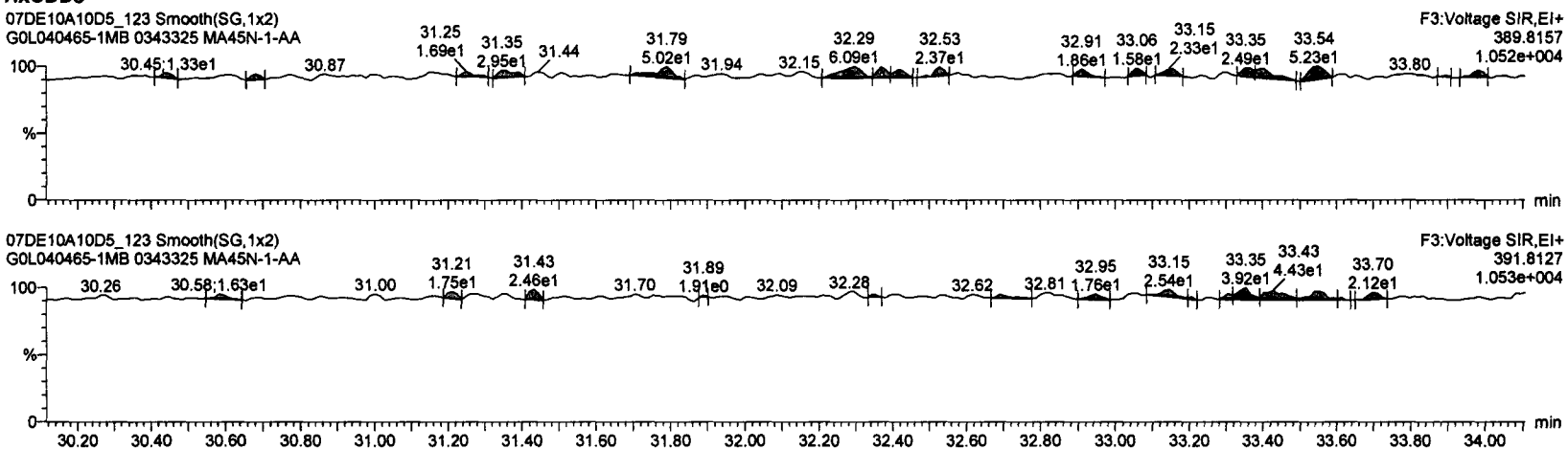
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

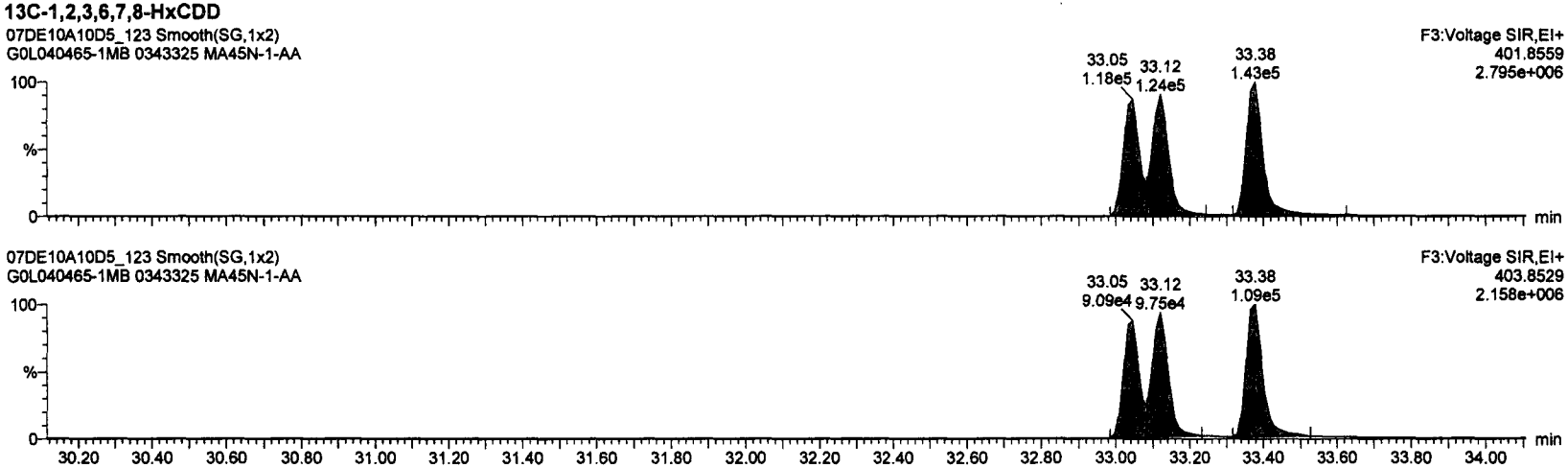
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

HxCDDs



13C-1,2,3,6,7,8-HxCDD



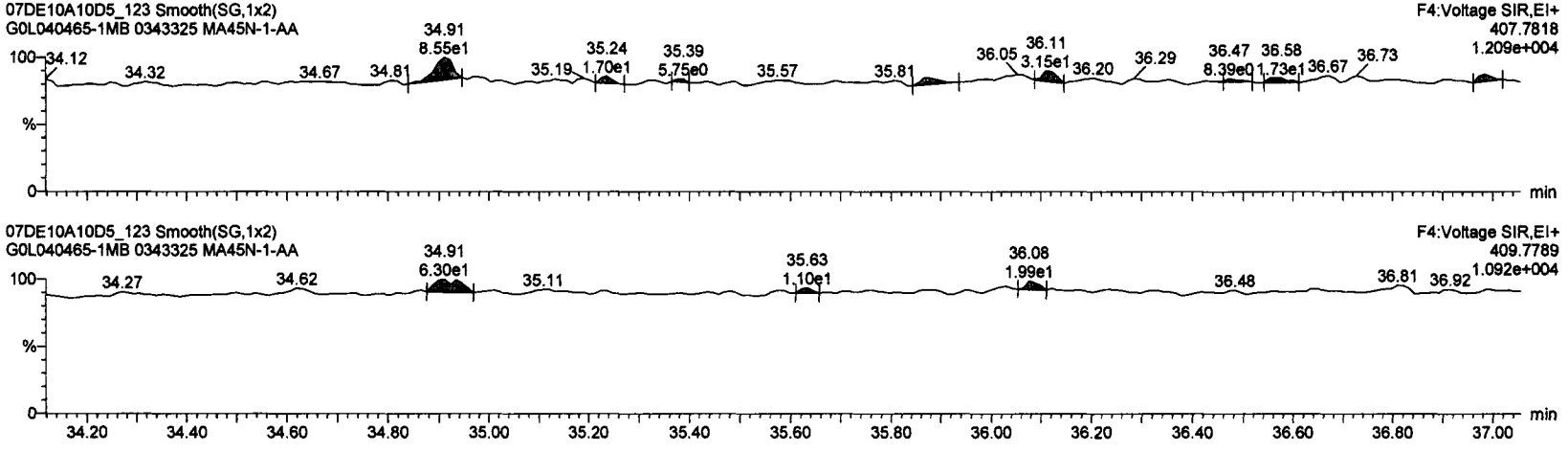
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

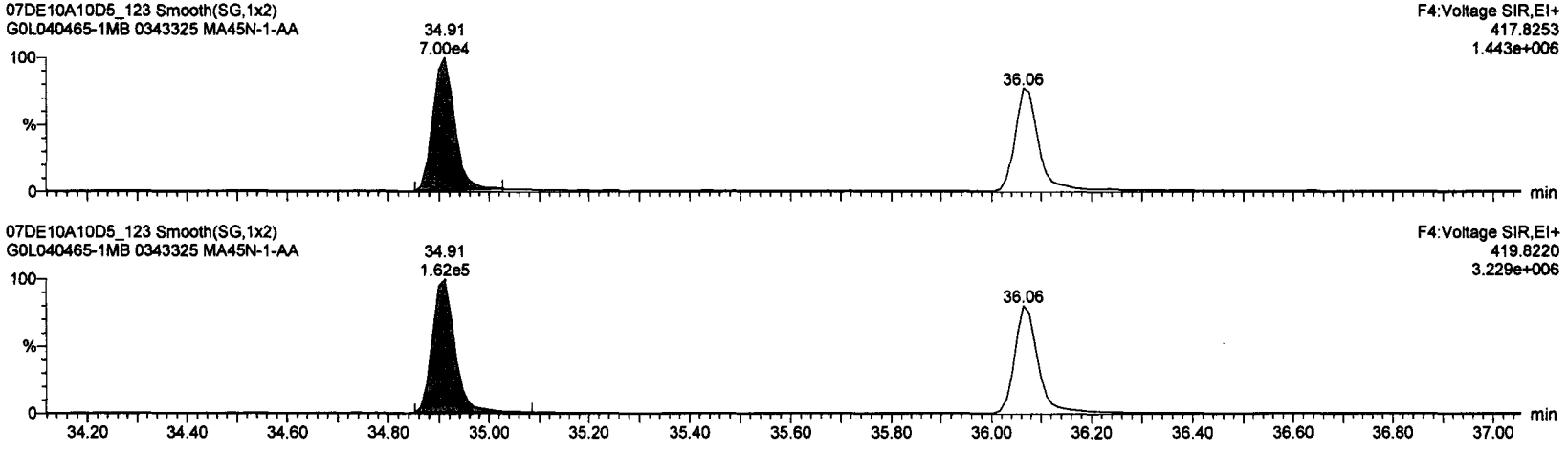
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

HpCDFs



13C-HpCDFs



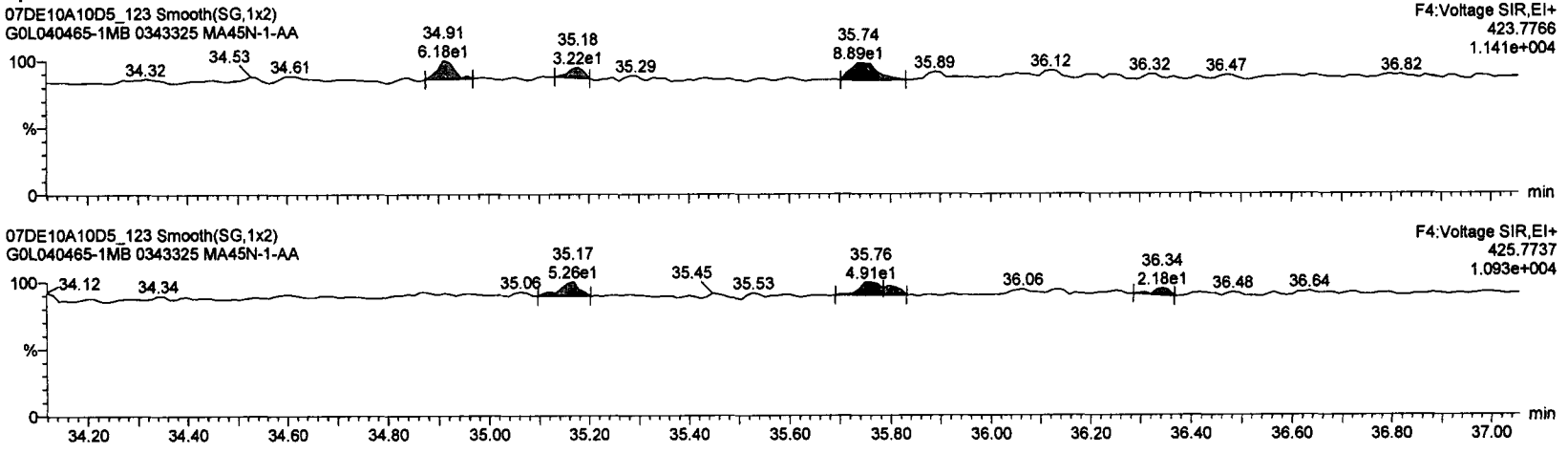
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

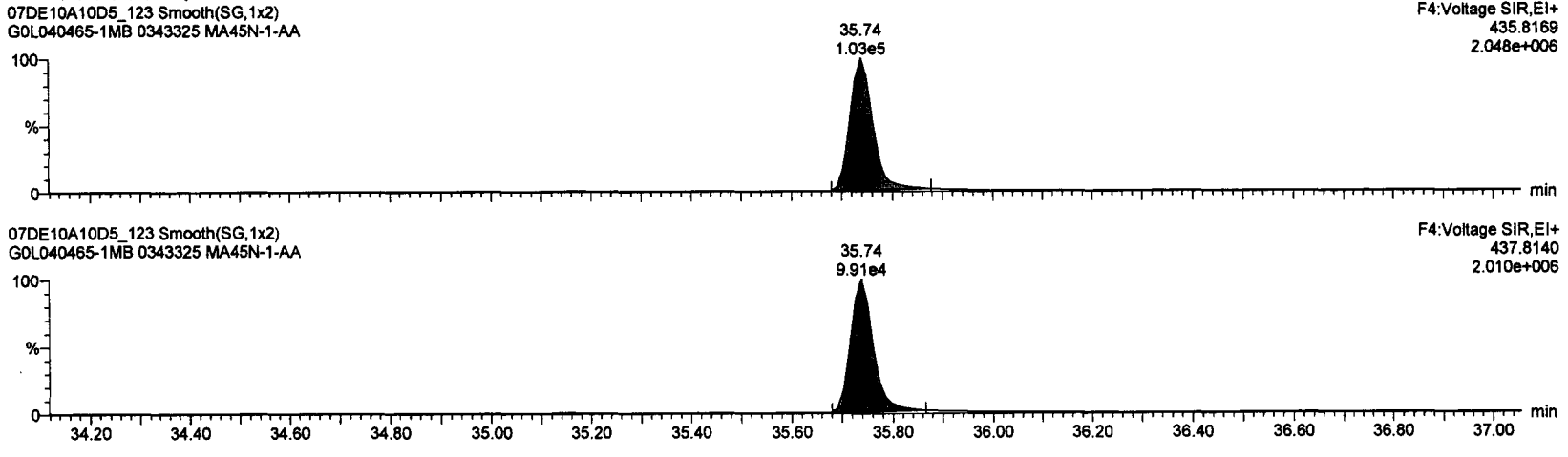
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



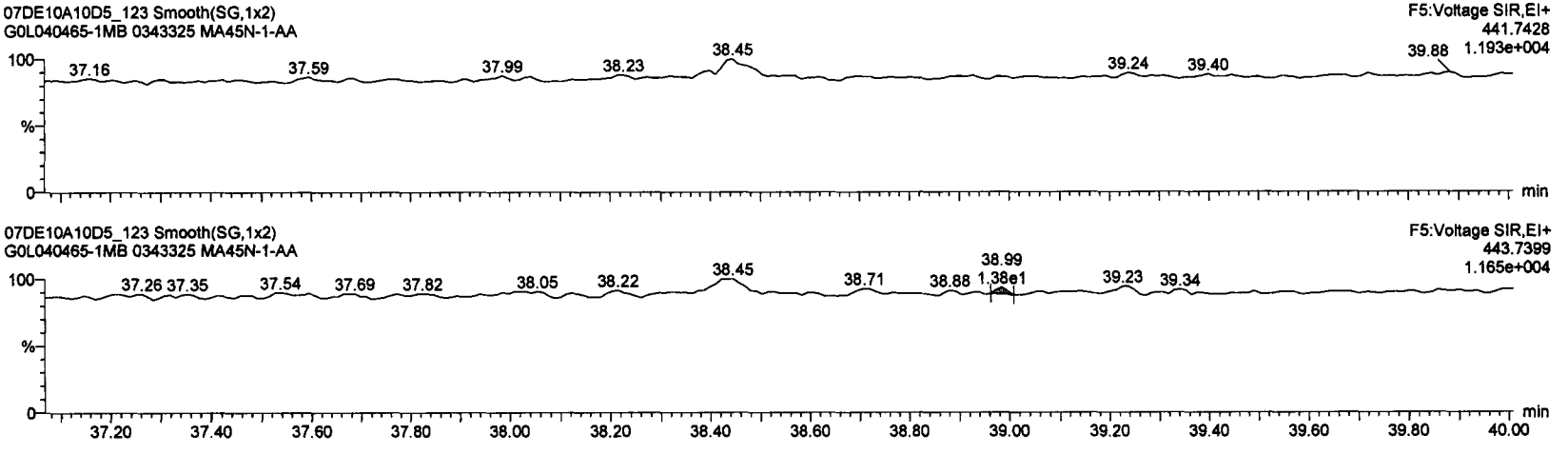
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

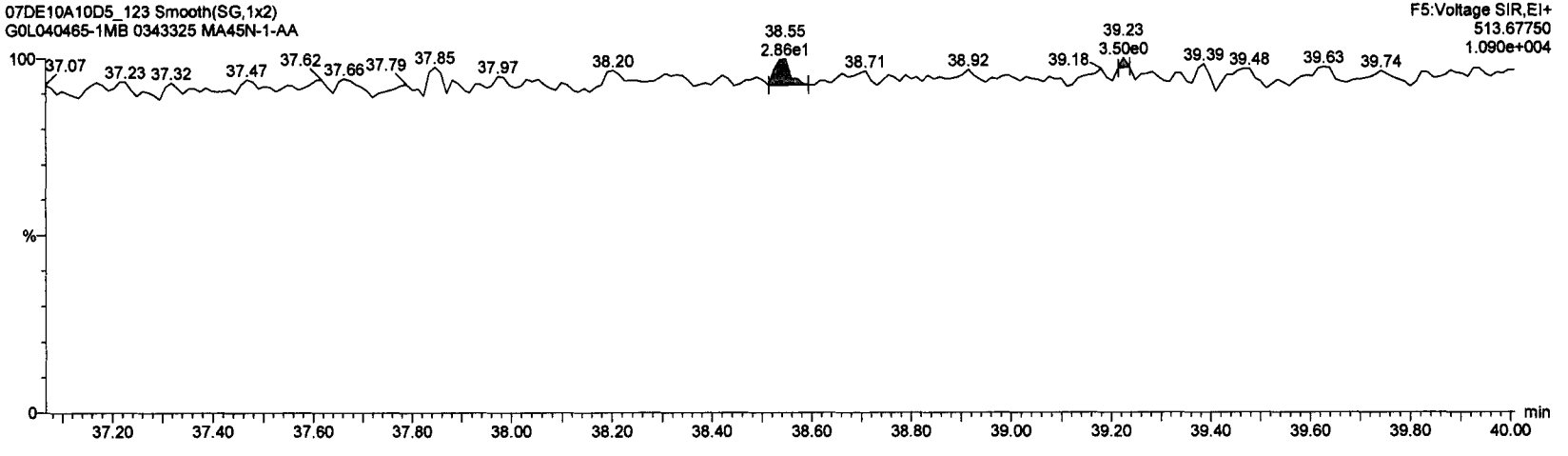
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

OCDFs



OCDF PCDPE



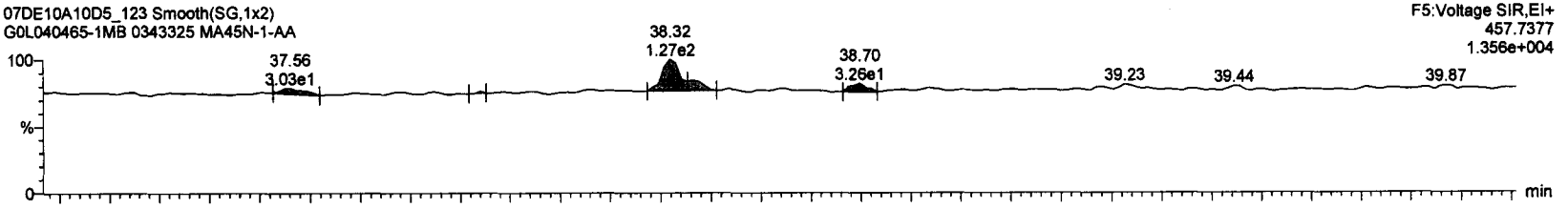
Quantify Sample Report **MassLynx 4.1**

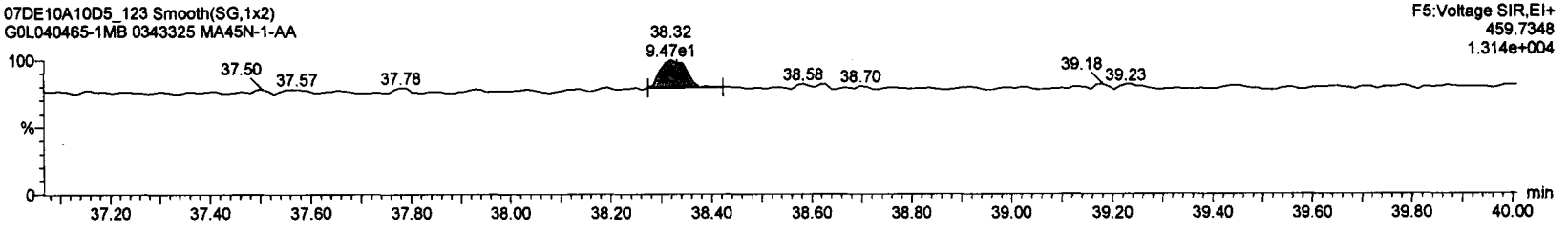
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

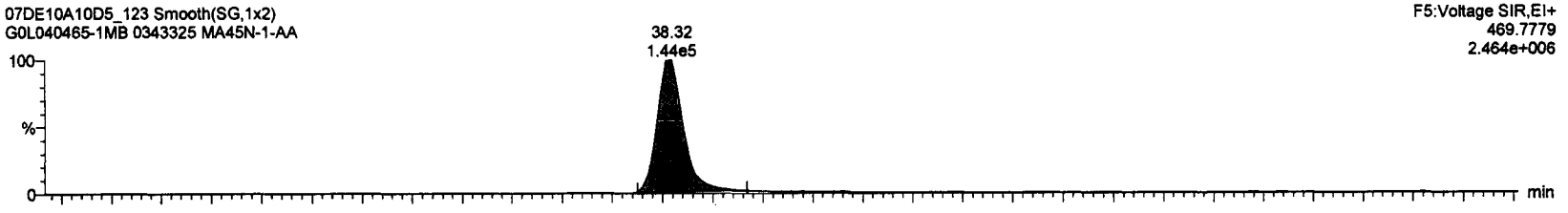
Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

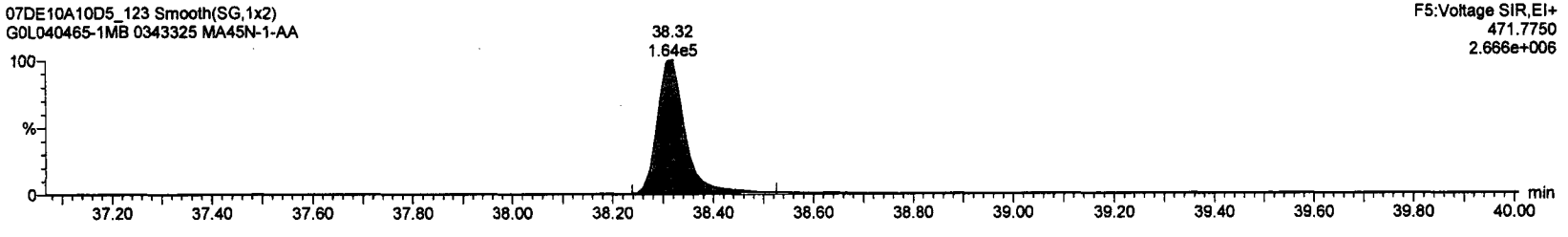
OCDD





13C-OCDD





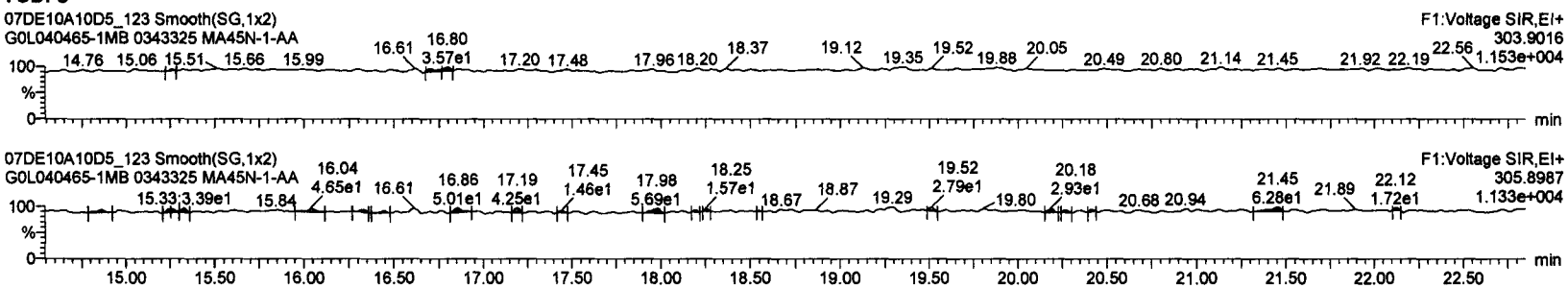
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

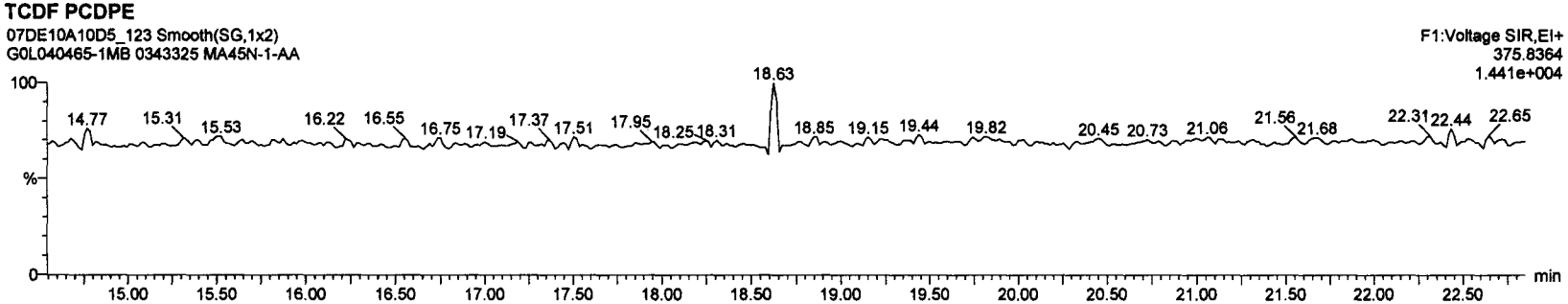
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

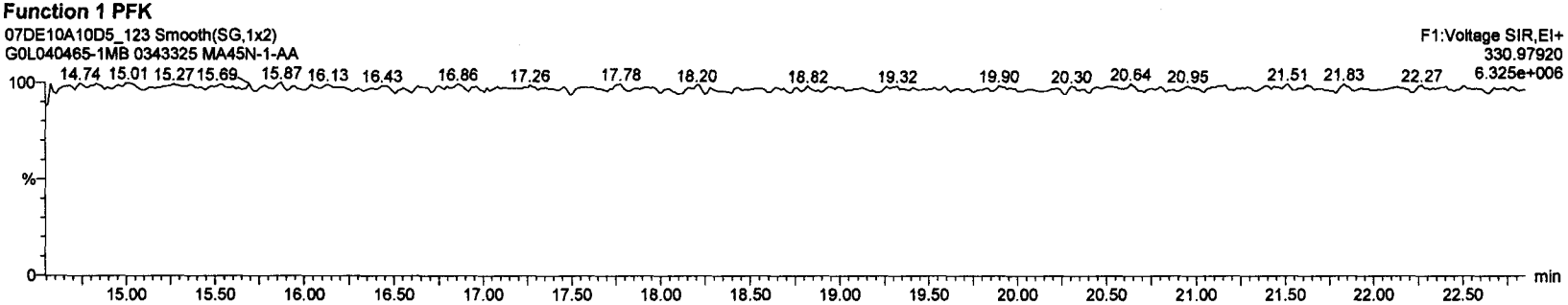
TCDFs



TCDF PCDPE



Function 1 PFK



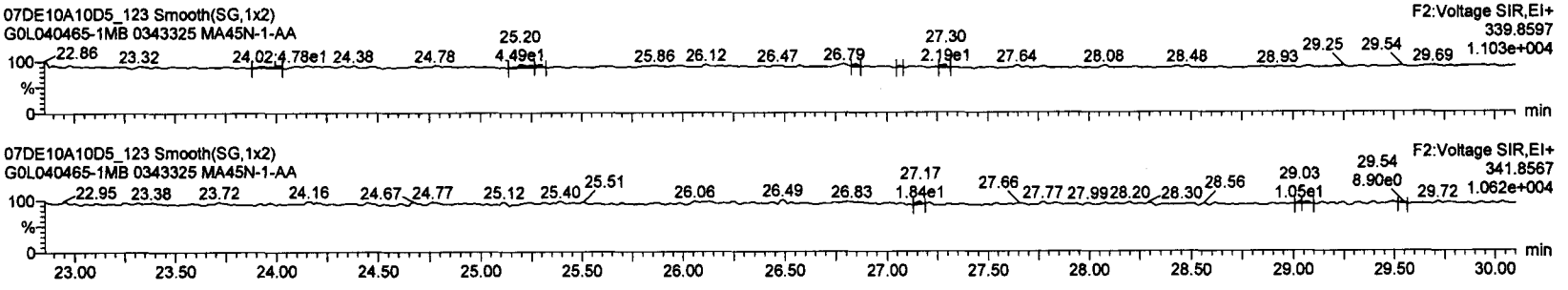
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

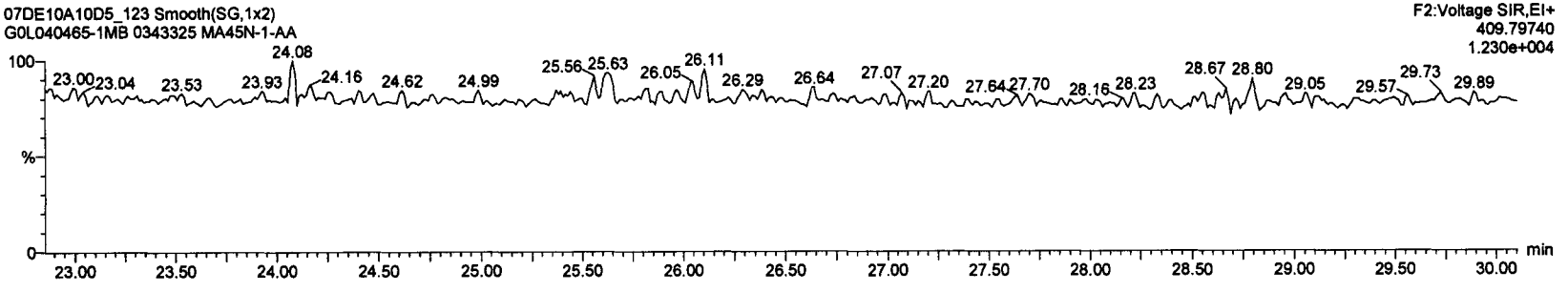
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

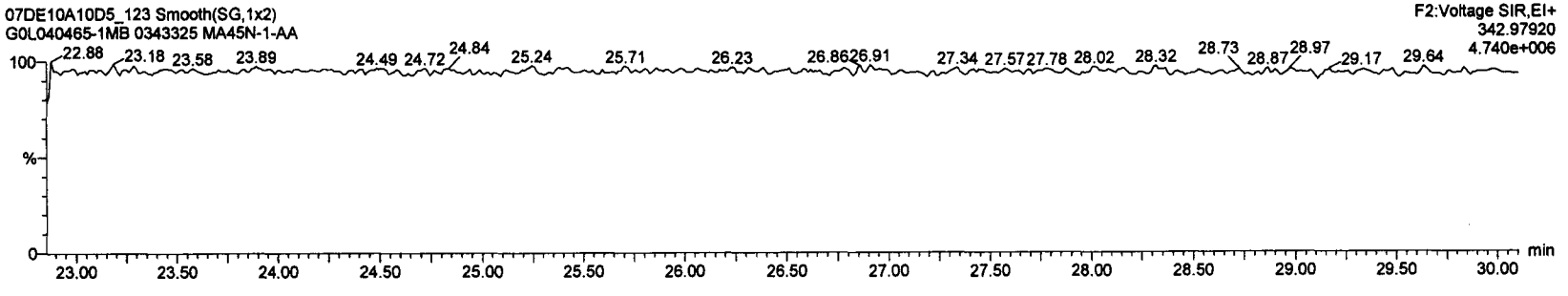
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



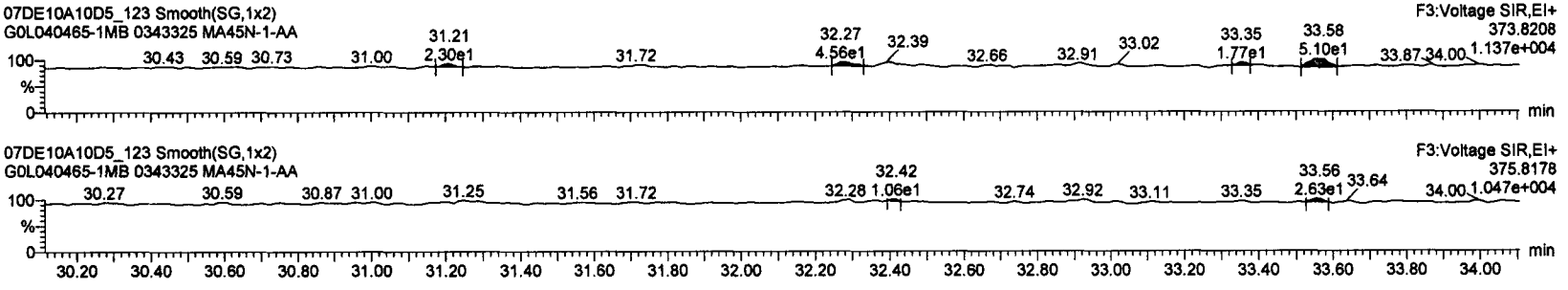
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

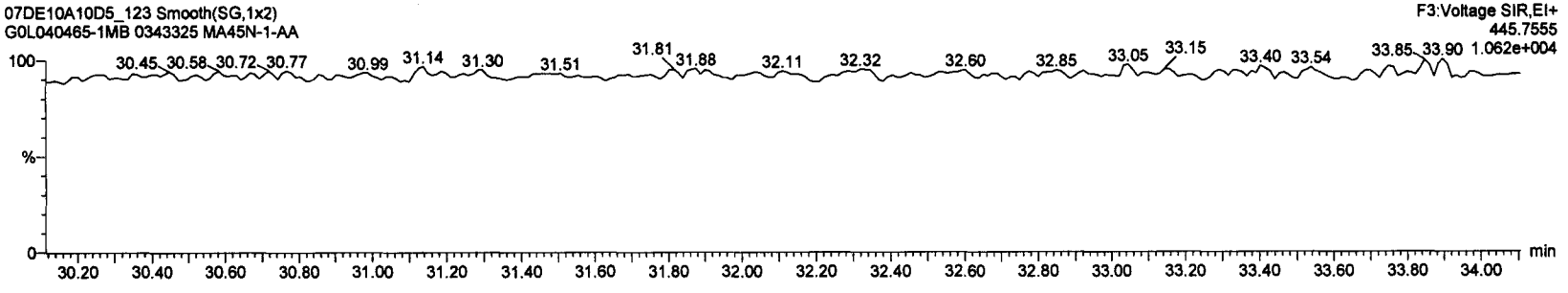
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

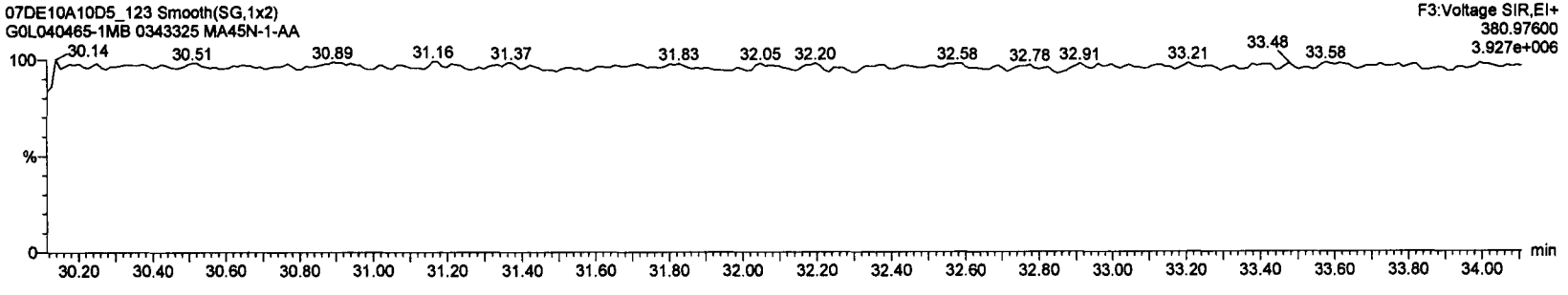
HxCDFs



HxCDF PCDPE



Function 3 PFK



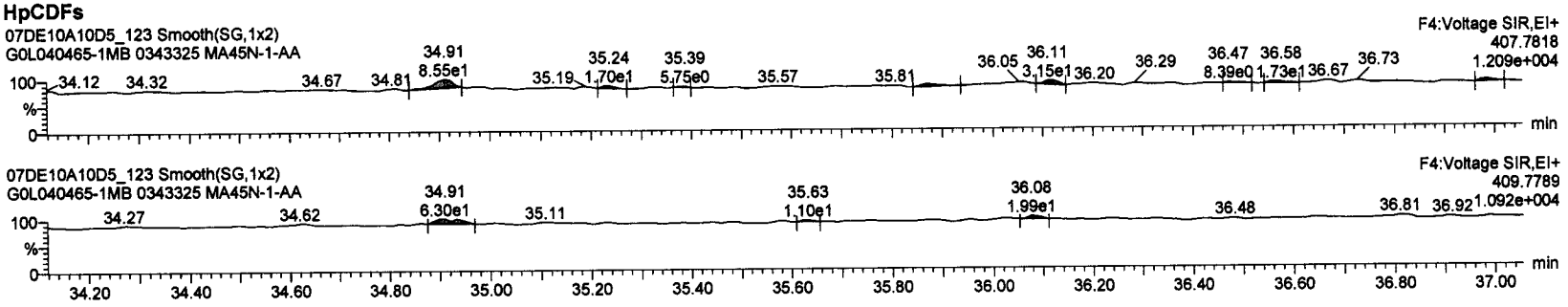
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

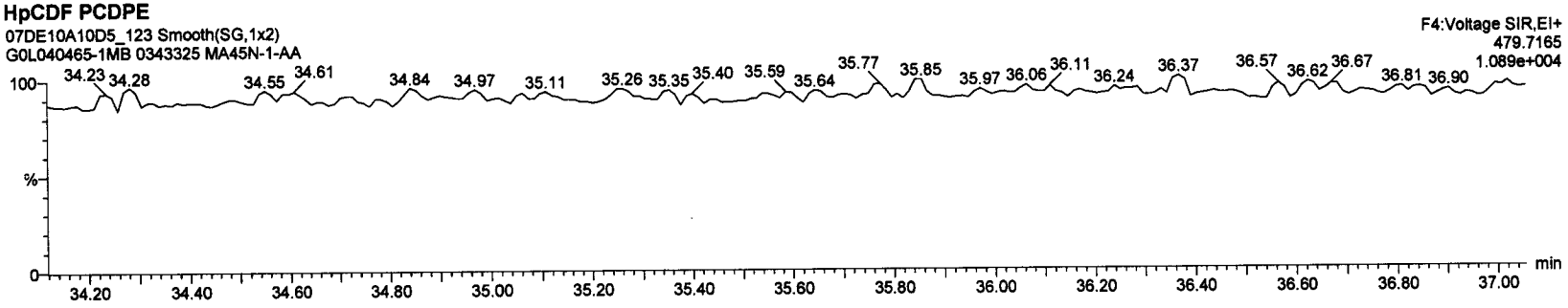
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

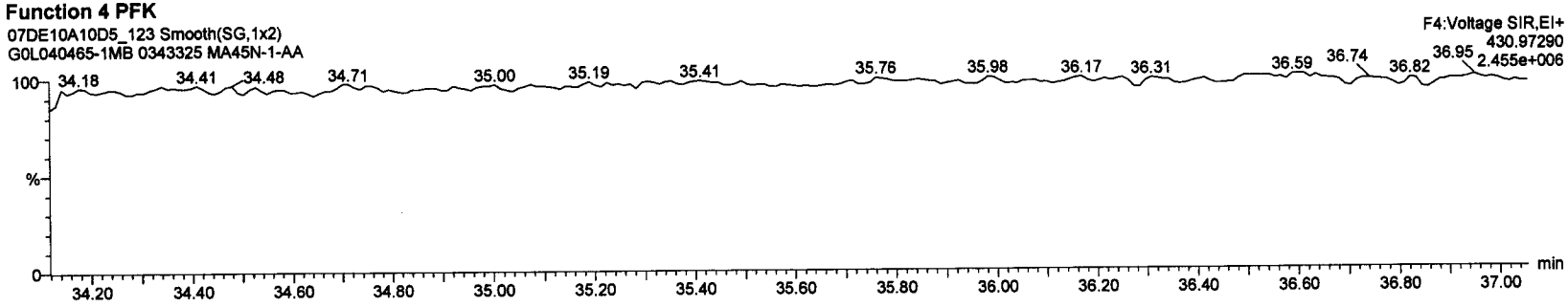
HpCDFs



HpCDF PCDPE



Function 4 PFK



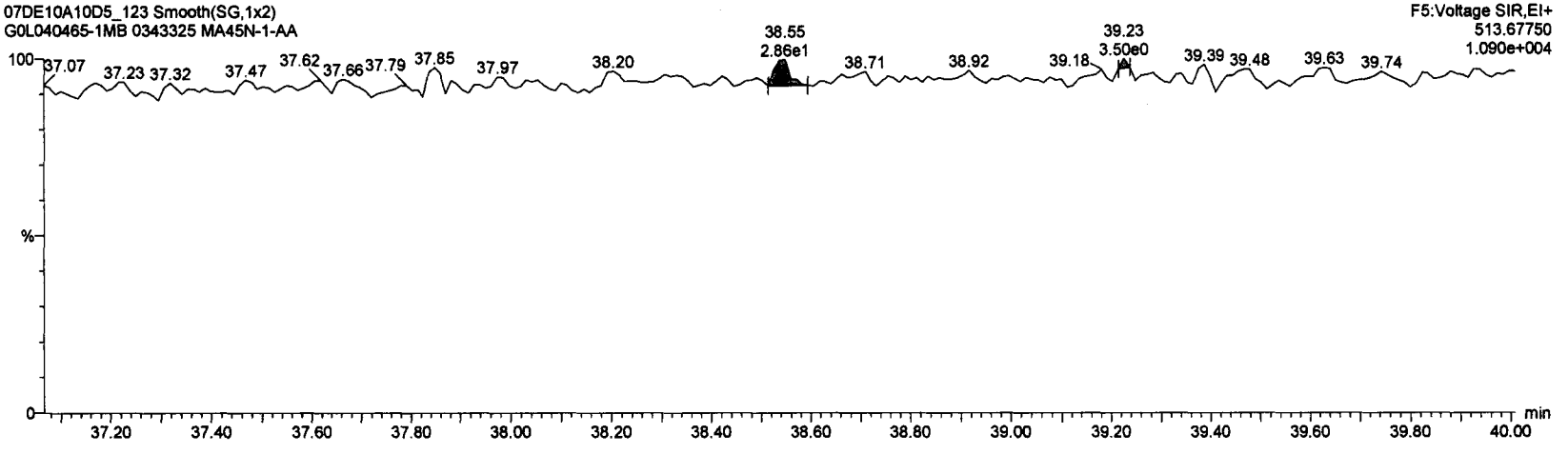
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

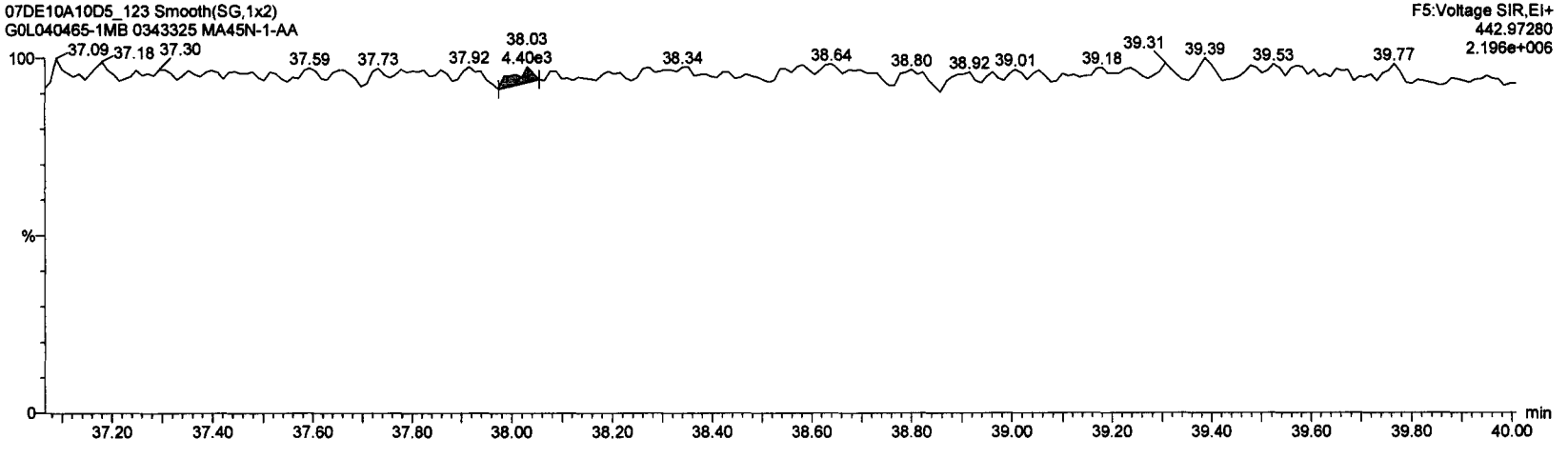
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_123, Date: 11-Dec-2010, Time: 13:31:54, ID: MA45N-1-AA, Description: G0L040465-1MB 0343325

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

05 12-15-10

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325, Task:

#	Name	Trace	Sample Size	RT	Pred.RT	RRF Mean	Resp	Conc.	EMPC	%Rec	DL	Ratio	Ratio Flag	Mod?
1	13C-1,2,3,4-TCDD	331.9368	0.500	19.90	19.87	1.00000	408082.75	4000.0000	4000.0000	100.0	4.29329	0.76	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.28	19.10	1.31203	511598.94	3822.0707	3822.0710	95.6	2.68534	0.80	NO	
4	2,3,7,8-TCDF	303.9016	0.500	19.29	19.28	0.99766	48777.18	382.2660	382.2660		1.20264	0.79	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.99766		382.2660	382.2660		1.20264			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.11	20.11	0.90938	358301.09	3862.0018	3862.0020	96.6	4.72109	0.77	NO	
8	2,3,7,8-TCDD	319.8965	0.500	20.12	20.11	1.03464	35336.51	381.2802	381.2800		1.66541	0.78	NO	
9	Total TCDDs	319.8965	0.500		22.69	1.03464		381.2802	381.2800		1.66541			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500		20.11	0.65529					2.14102			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.21	25.13	1.02378	367077.30	3514.4851	3514.4850	87.9	4.35182	1.58	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	25.23	25.21	1.09163	188802.16	1884.6613	1884.6610		2.86211	1.58	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	26.81	26.74	1.06412	183563.07	1879.7439	1879.7440		2.93612	1.57	NO	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787		3764.4052	3764.4050		2.89864			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787					0.86024			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.65	27.50	0.73445	265146.93	3538.6364	3538.6360	88.5	3.69192	1.59	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500	27.67	27.65	0.96030	118092.22	1855.1940	1855.1940		3.48754	1.57	NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.96030		1855.1940	1855.1940		3.48754			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.38	33.27	1.00000	276357.63	4000.0000	4000.0000	100.0	3.09765	1.22	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.27	32.24	1.04941	274067.52	3780.0745	3780.0740	94.5	7.48243	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	32.28	32.27	1.31260	177628.53	1975.0702	1975.0700		2.61603	1.29	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	32.40	32.39	1.43801	194005.88	1969.0452	1969.0450		2.38789	1.19	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.92	32.93	1.35233	185999.27	2007.3836	2007.3840		2.53917	1.26	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.55	33.57	1.19752	156415.66	1906.3430	1906.3430		2.86743	1.25	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.32511		7857.8420	7857.8420		2.59132			
31														
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.12	33.11	0.90452	253311.76	4053.4437	4053.4440	101.3	3.42462	1.25	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.06	33.05	0.98150	118676.22	1909.3092	1909.3090		2.65559	1.25	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	33.13	33.12	1.09425	131178.40	1892.9993	1892.9990		2.38197	1.23	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.39	33.39	1.05784	129489.37	1932.9397	1932.9400		2.46396	1.30	NO	

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325, Task:

#	Name	Trace	Sample Size	RT	Pred.RT	RRF Mean	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Flag	Mod Conc
36	Total HxCDDs	389.8157	0.500		0.00	1.04453		5735.2481	5735.2480		2.49535			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.91	34.92	0.95391	258220.98	3918.0941	3918.0940	98.0	5.58241	0.46	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.92	34.91	1.46280	177551.57	1880.2179	1880.2180		2.77228	1.03	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.08	36.08	1.23081	143965.14	1811.9039	1811.9040		3.29482	1.06	NO	
41	Total HpCDFs	407.7818	0.500		0.00	1.34680		3692.1218	3692.1220		3.01105			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.74	35.76	0.84836	216024.47	3685.6199	3685.6200	92.1	5.71494	1.04	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.75	35.74	1.05453	112185.15	1969.8471	1969.8470		2.34389	1.10	NO	
45	Total HpCDDs	423.7766	0.500		0.09	1.05453		1969.8471	1969.8470		2.34389			
46														
47	13C-OCDD	469.7779	0.500	38.32	38.36	0.67464	328759.44	7053.2965	7053.2960	88.2	10.59155	0.92	NO	
48	OCDF	441.7428	0.500	38.44	38.44	1.48610	236353.07	3870.1295	3870.1290		3.16458	0.91	NO	
49	OCDD	457.7377	0.500	38.32	38.32	1.14618	184659.24	3920.3848	3920.3850		2.94150	0.89	NO	
50														
51														
52	Function 1 PFK	330.97920	1.000		38.25									
53	Function 2 PFK	342.97920	1.000		38.25									
54	Function 3 PFK	380.97600	1.000		38.25									
55	Function 4 PFK	430.97290	1.000		38.25									
56	Function 5 PFK	442.97280	1.000		0.00									
57	TCDF PCDPE	375.8364	1.000		38.25									
58	F1 PeCDF PCDPE	409.79740	1.000		38.25									
59	F2 PeCDF PCDPE	409.79740	1.000		38.25									
60	HXCDF PCDPE	445.7555	1.000		38.25									
61	HPCDF PCDPE	479.7165	1.000		38.25									
62	OCDF PCDPE	513.67750	1.000		0.00									

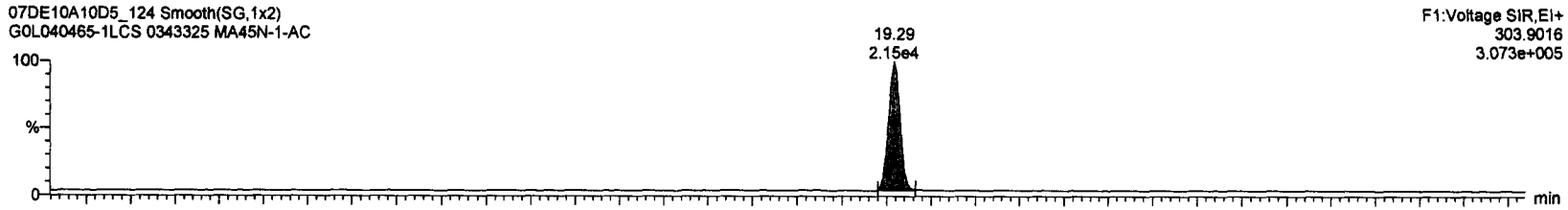
Quantify Sample Report **MassLynx 4.1**

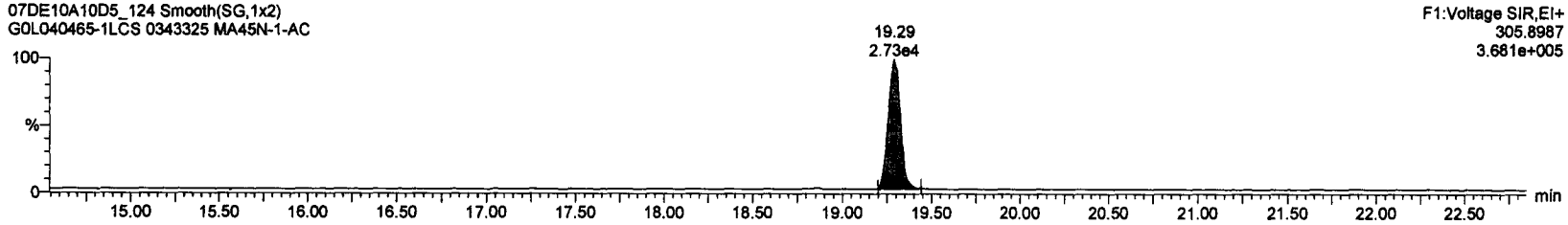
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

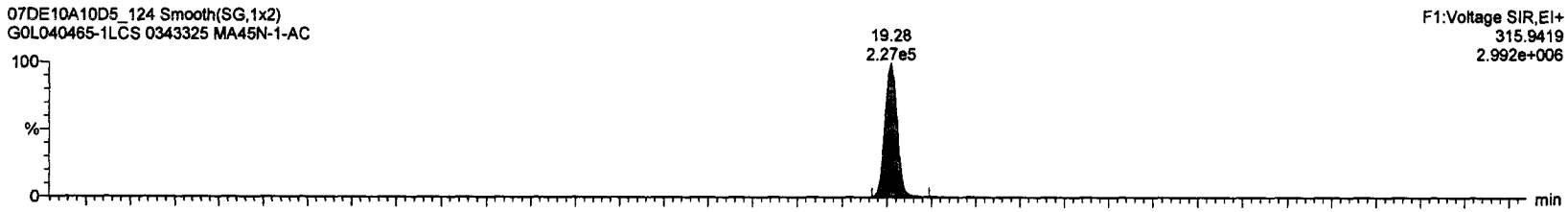
Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

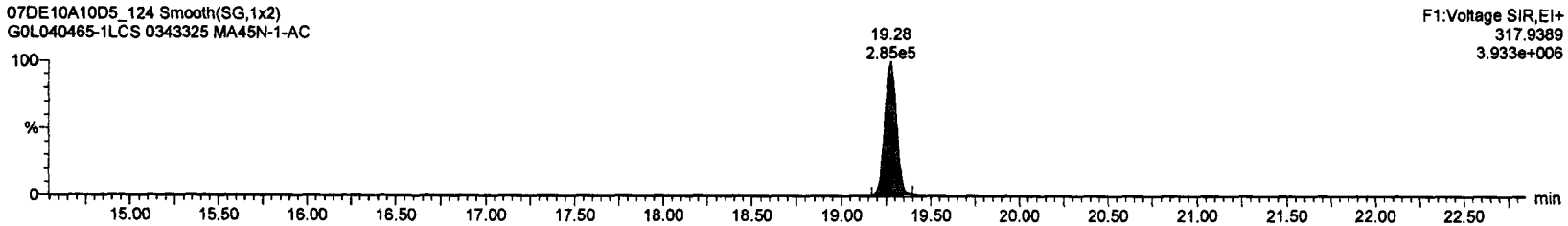
TCDFs





13C-TCDF





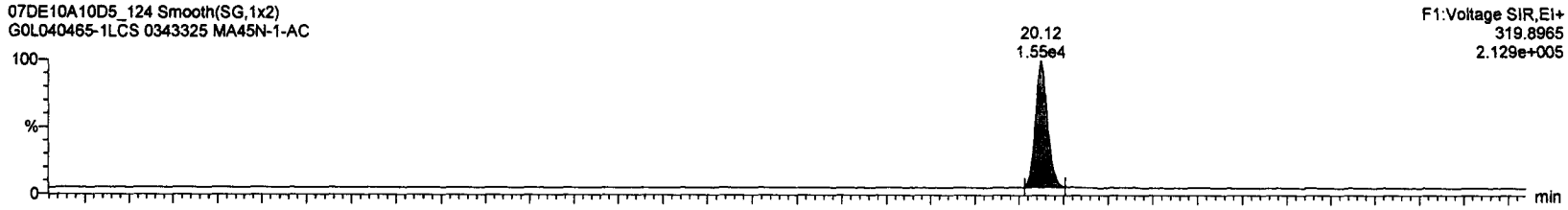
Quantify Sample Report **MassLynx 4.1**

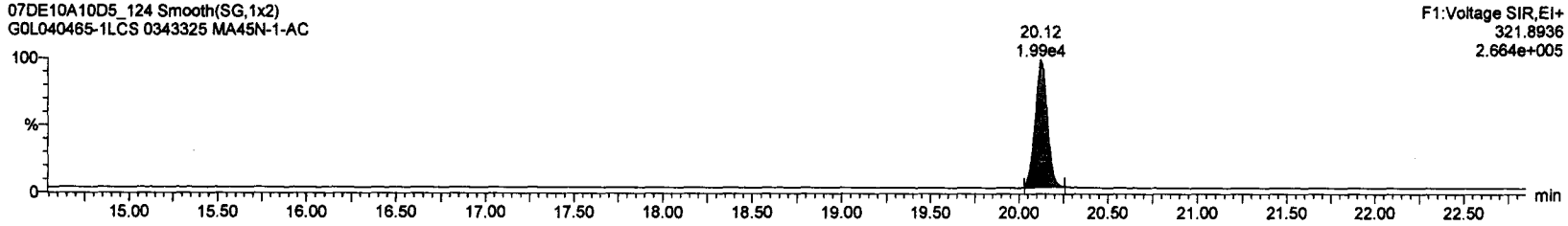
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

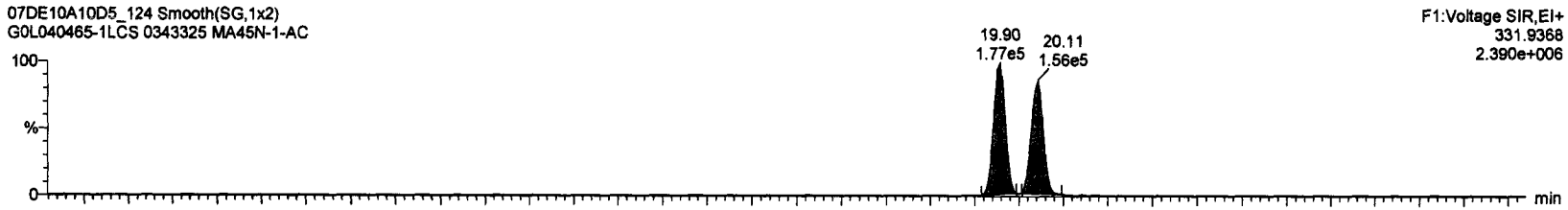
Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

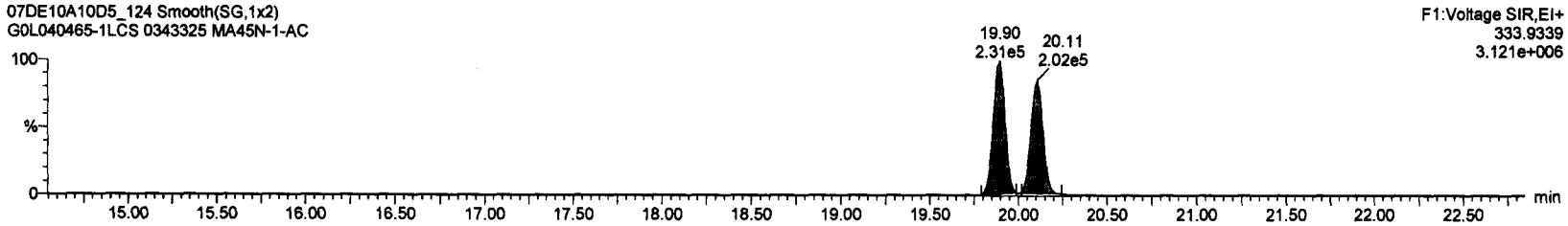
TCDDs





13C-TCDDs





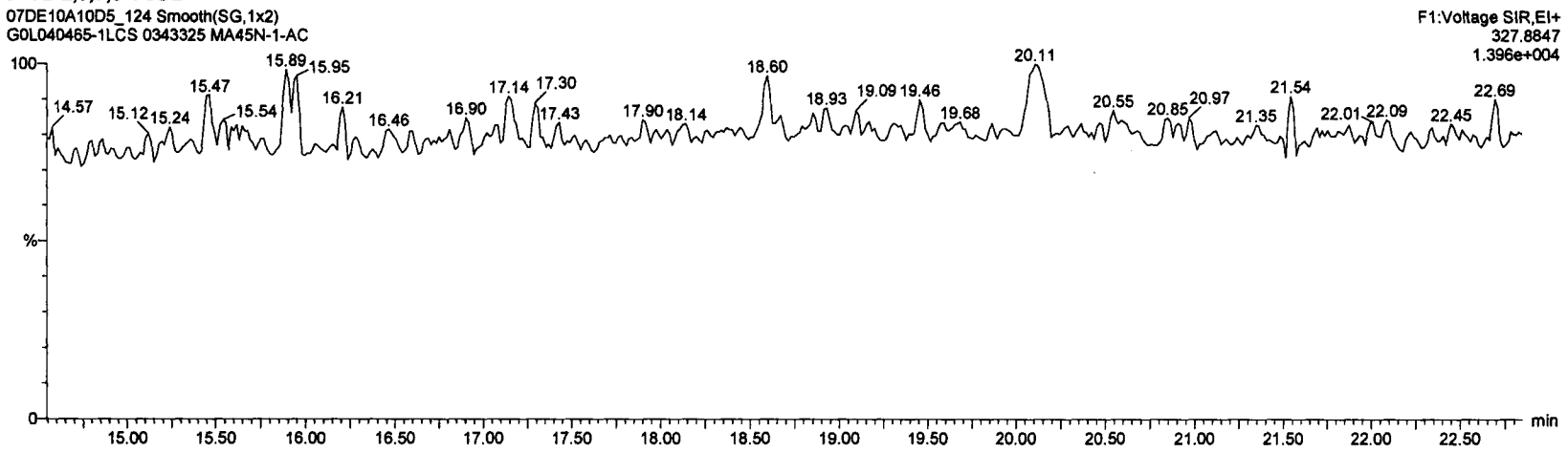
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

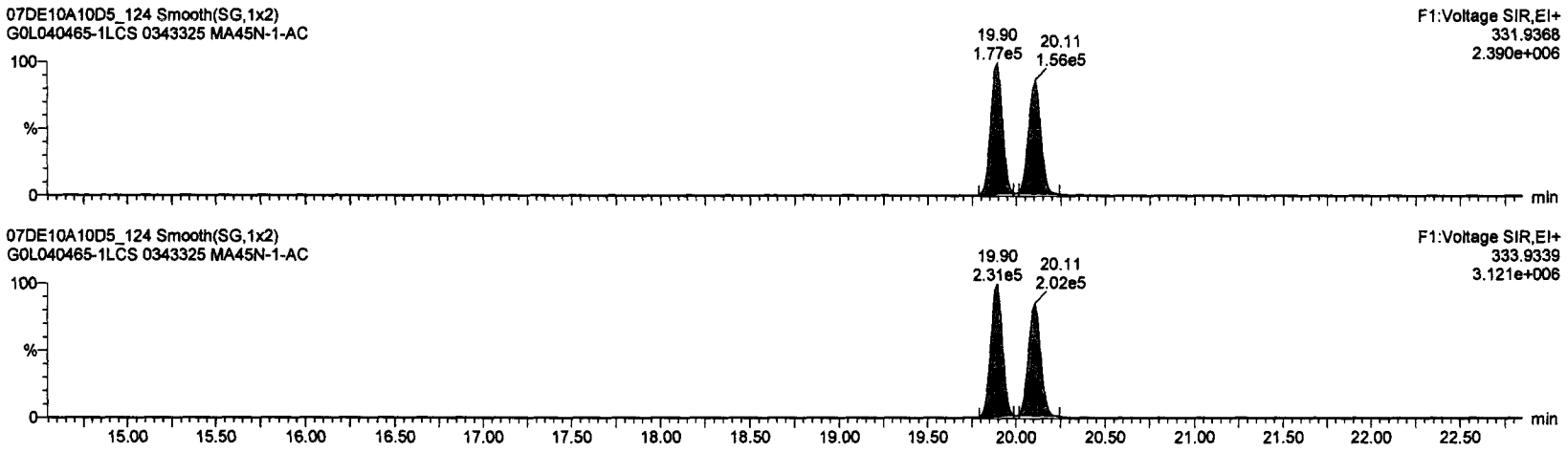
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

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



13C-TCDDs



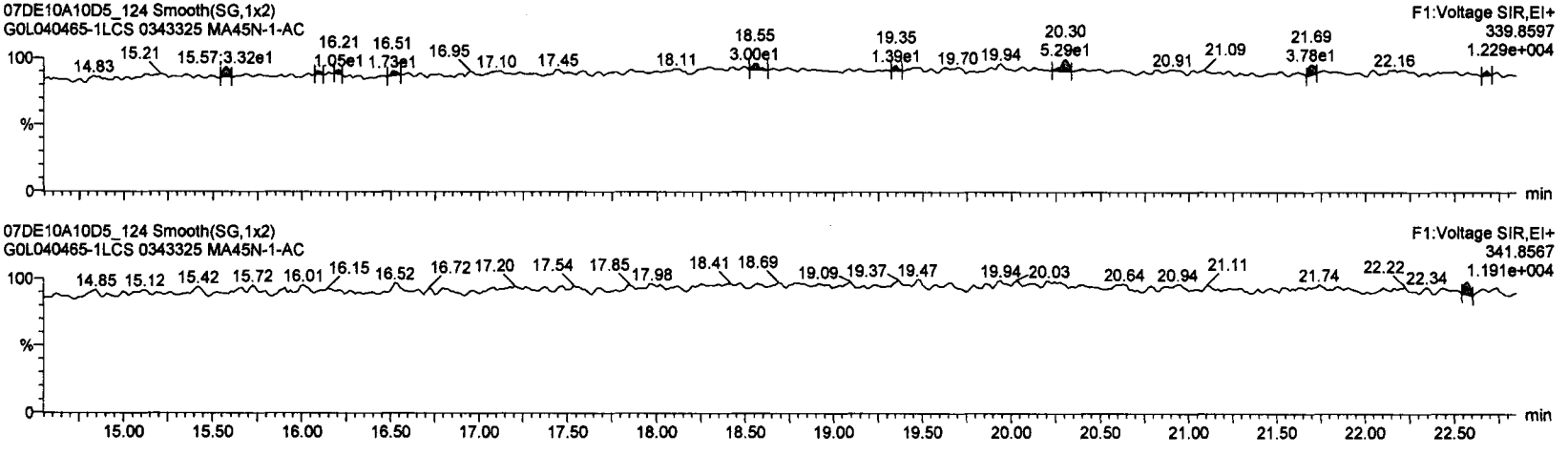
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

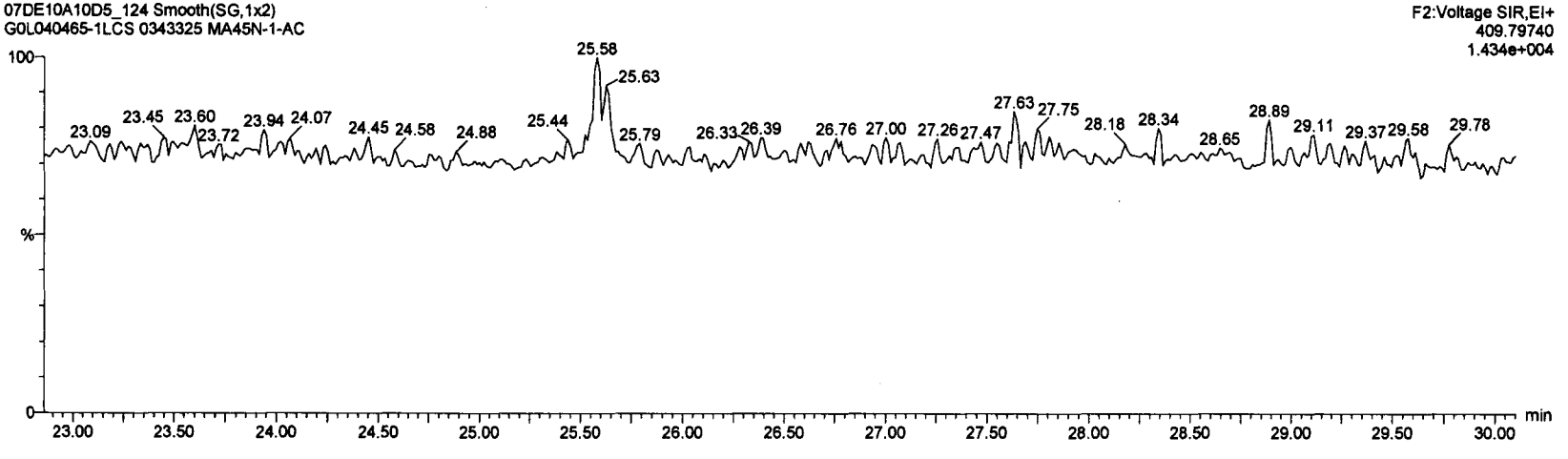
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

F1 PeCDFs



F1 PeCDF PCDPE



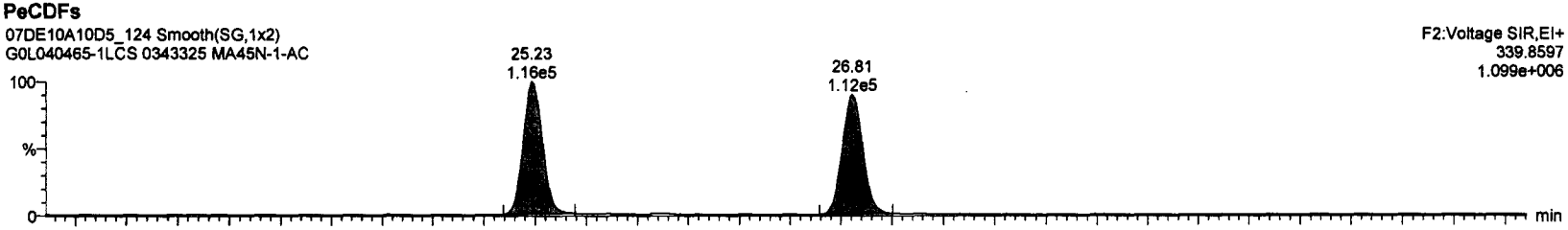
Quantify Sample Report **MassLynx 4.1**

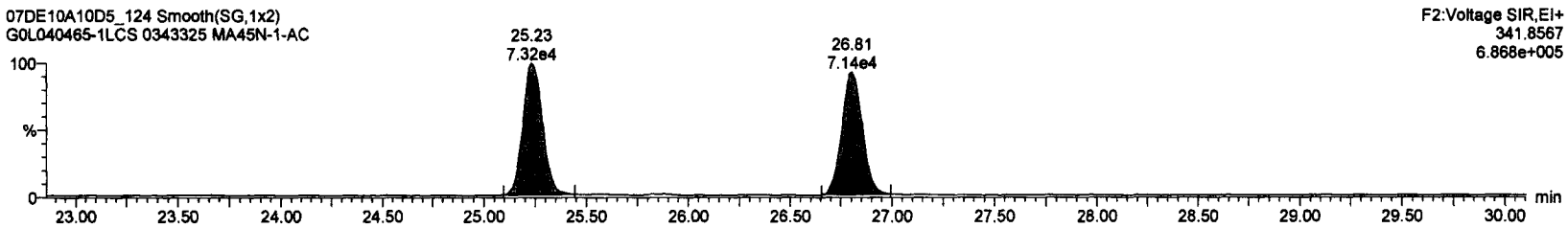
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

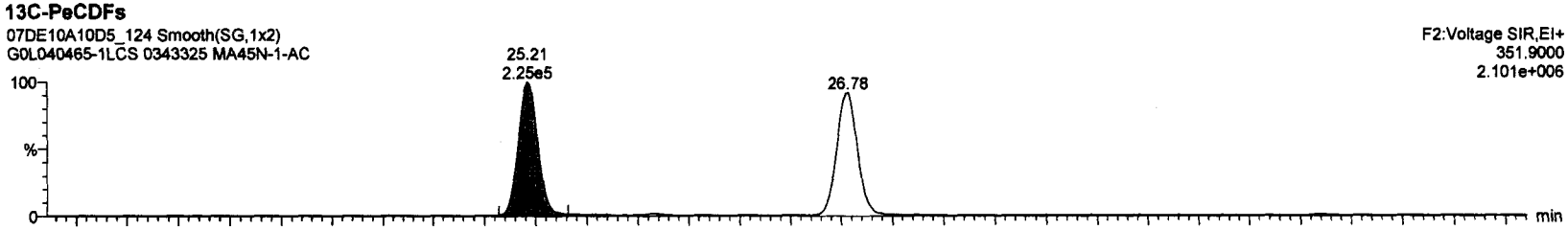
Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

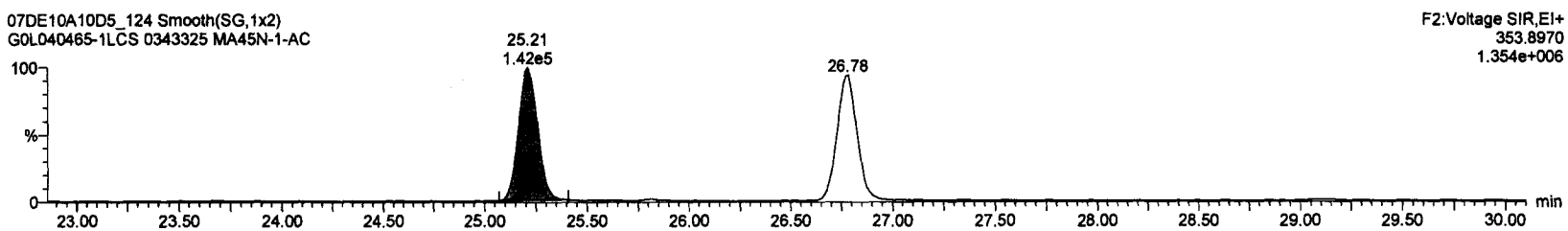
PeCDFs





13C-PeCDFs





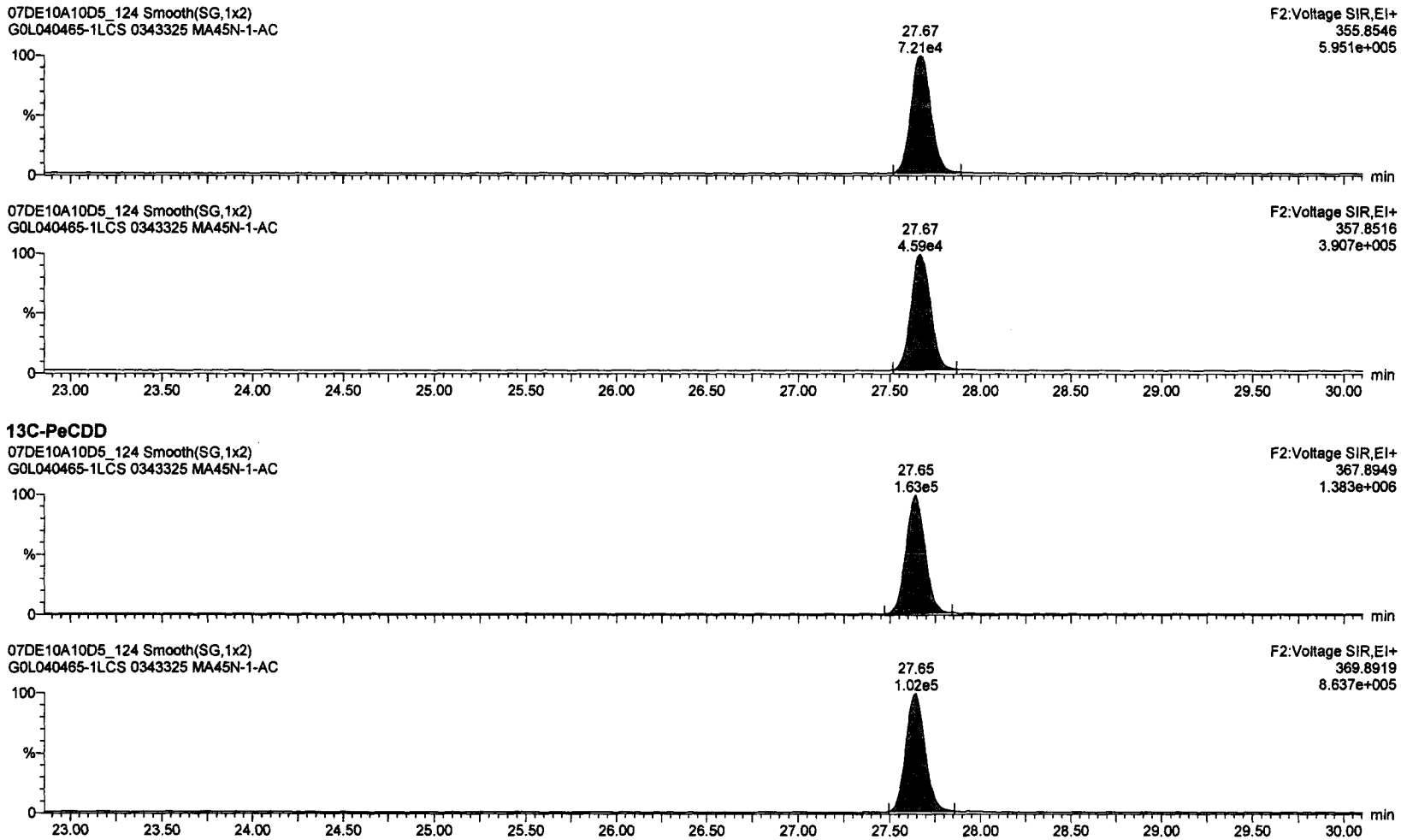
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

PeCDDs



13C-PeCDD

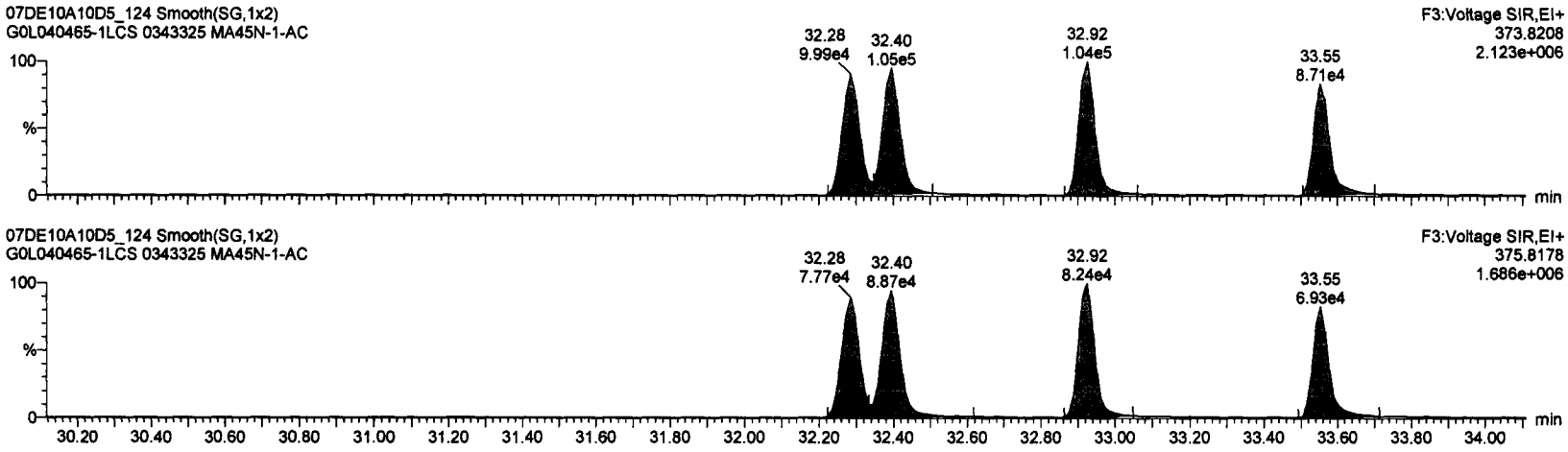
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

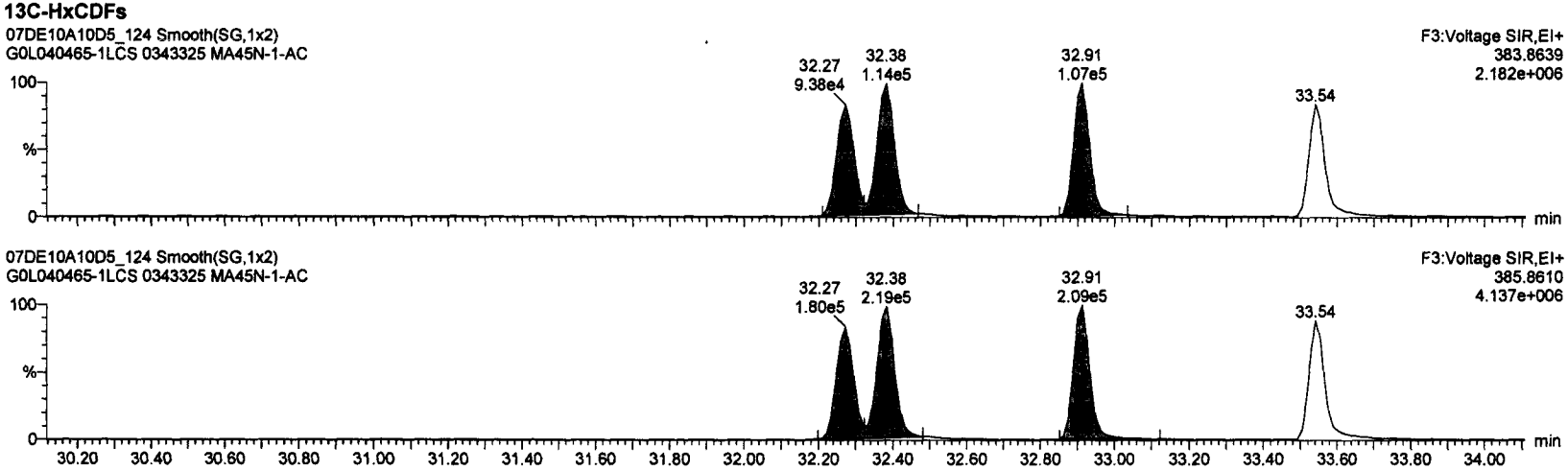
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

HxCDFs



13C-HxCDFs



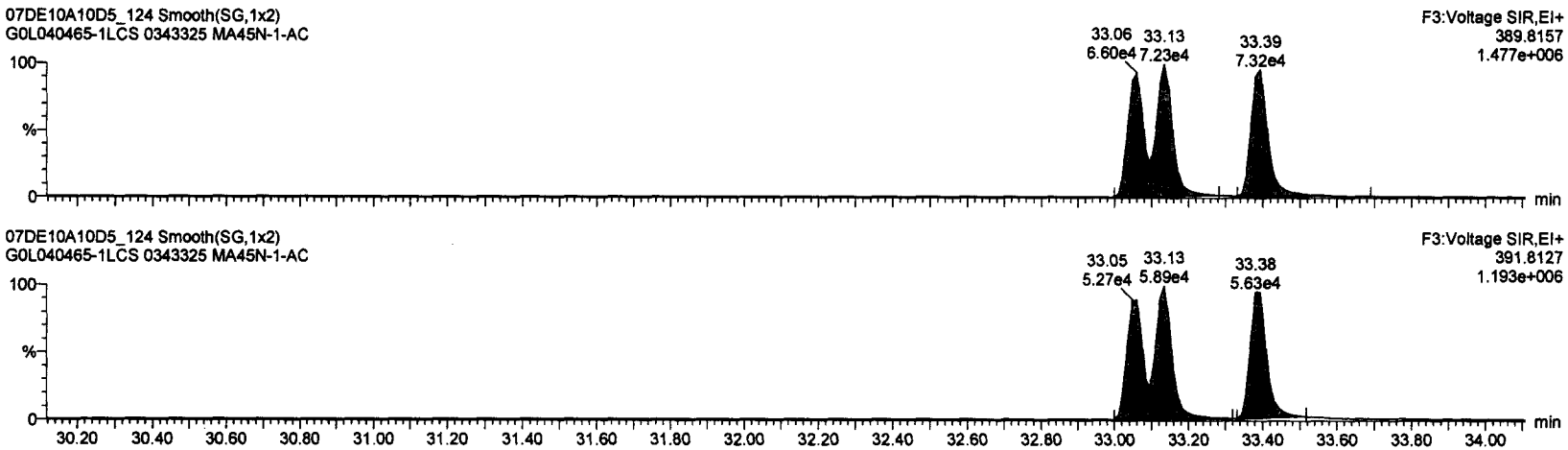
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

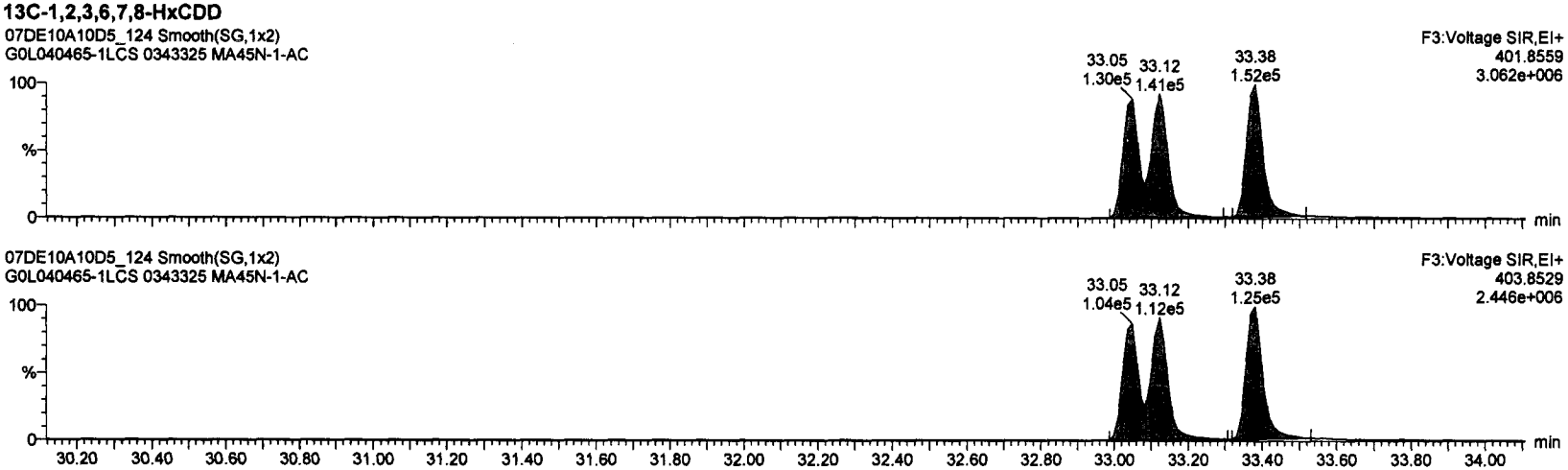
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

HxCDDs



13C-1,2,3,6,7,8-HxCDD



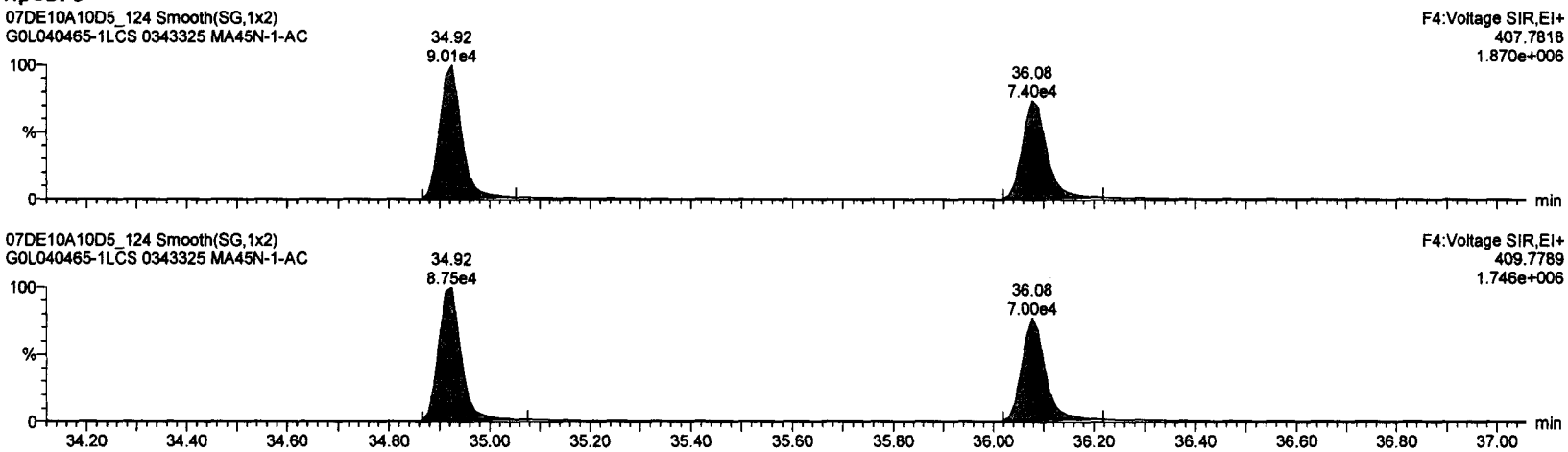
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

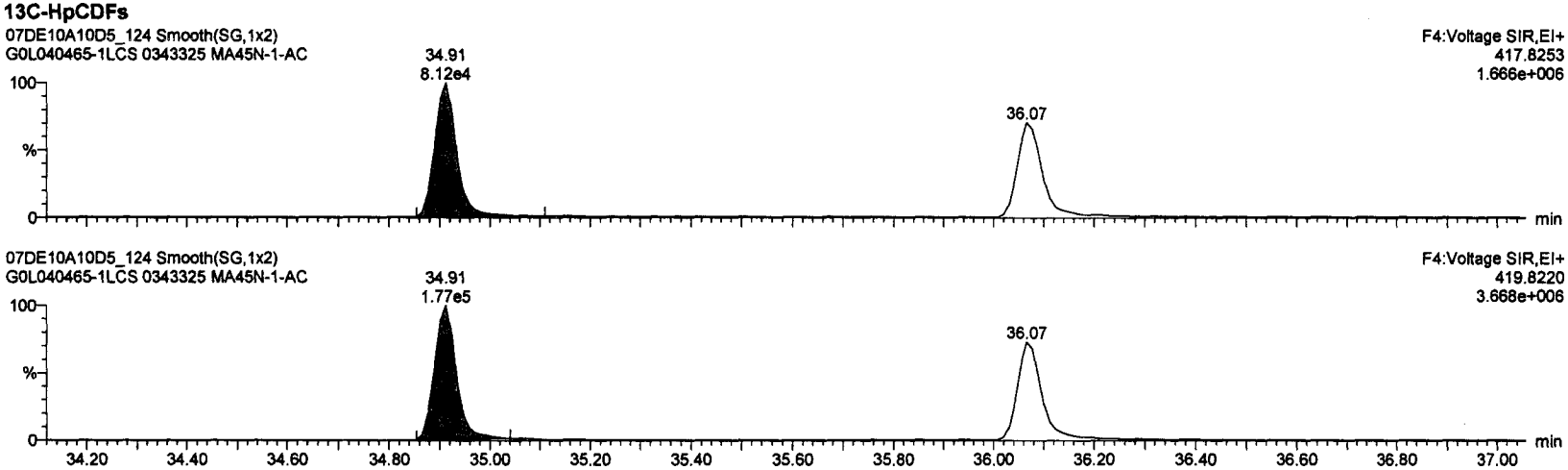
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

HpCDFs



13C-HpCDFs



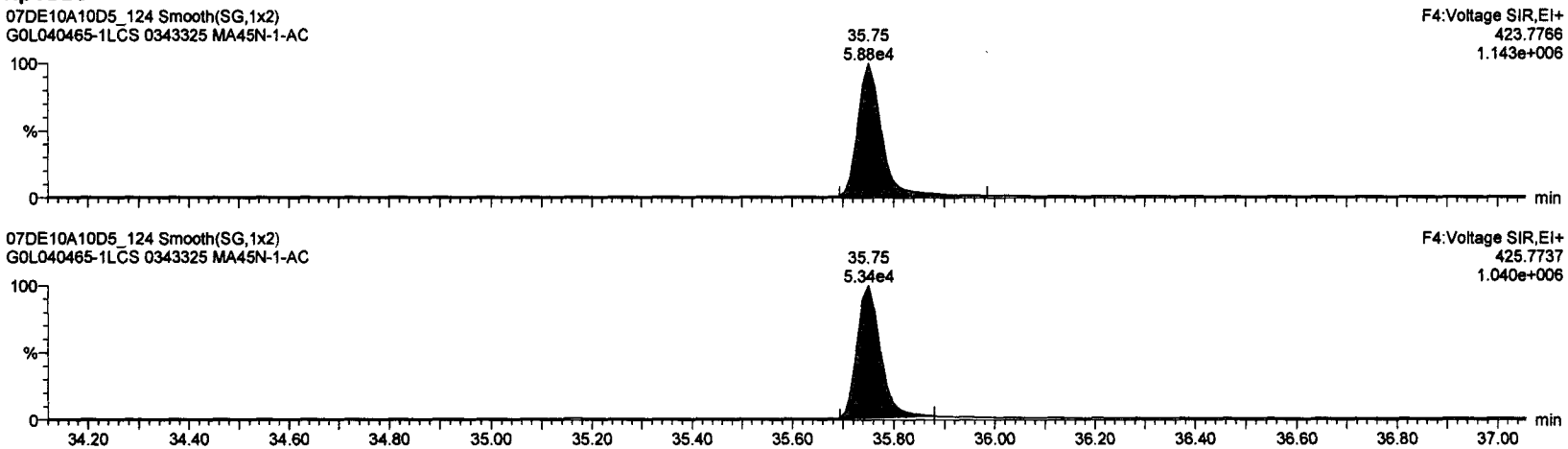
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

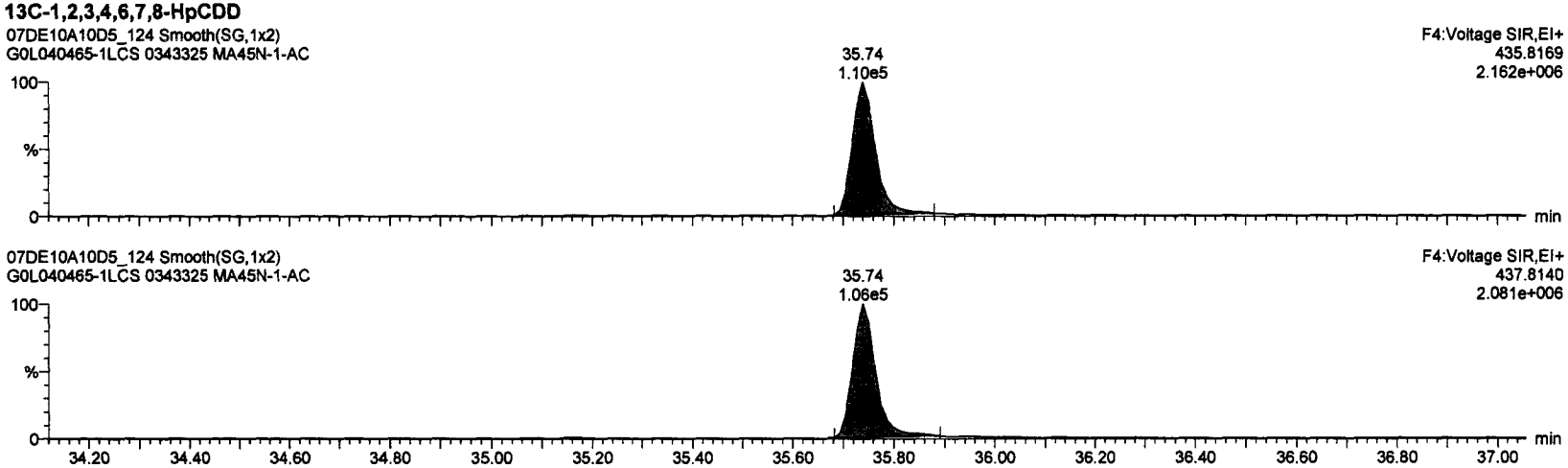
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



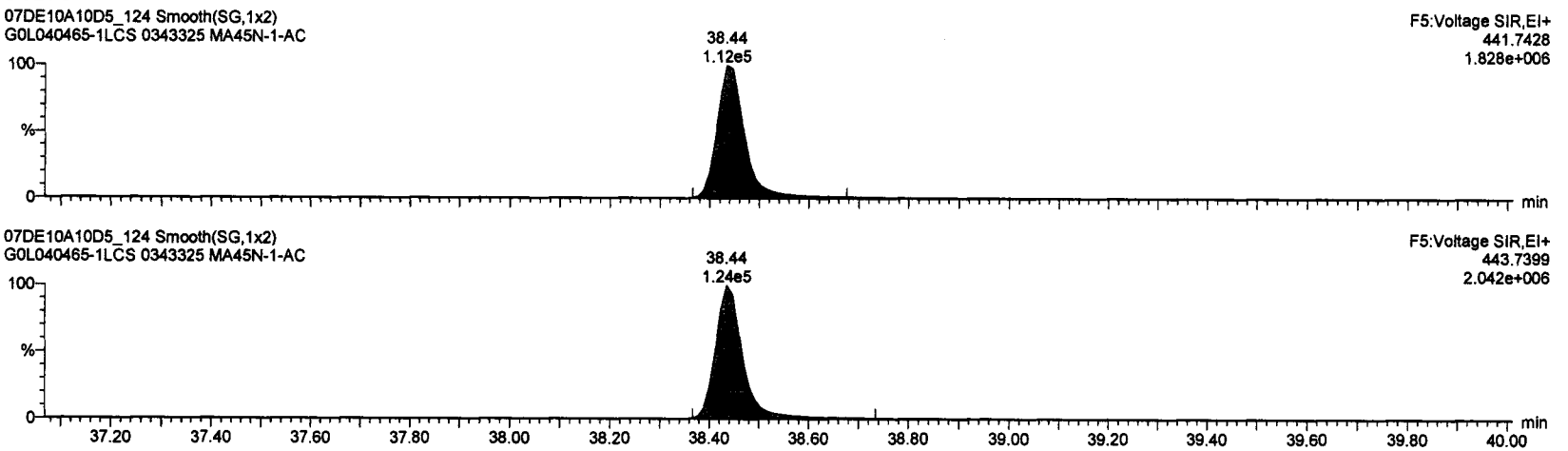
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

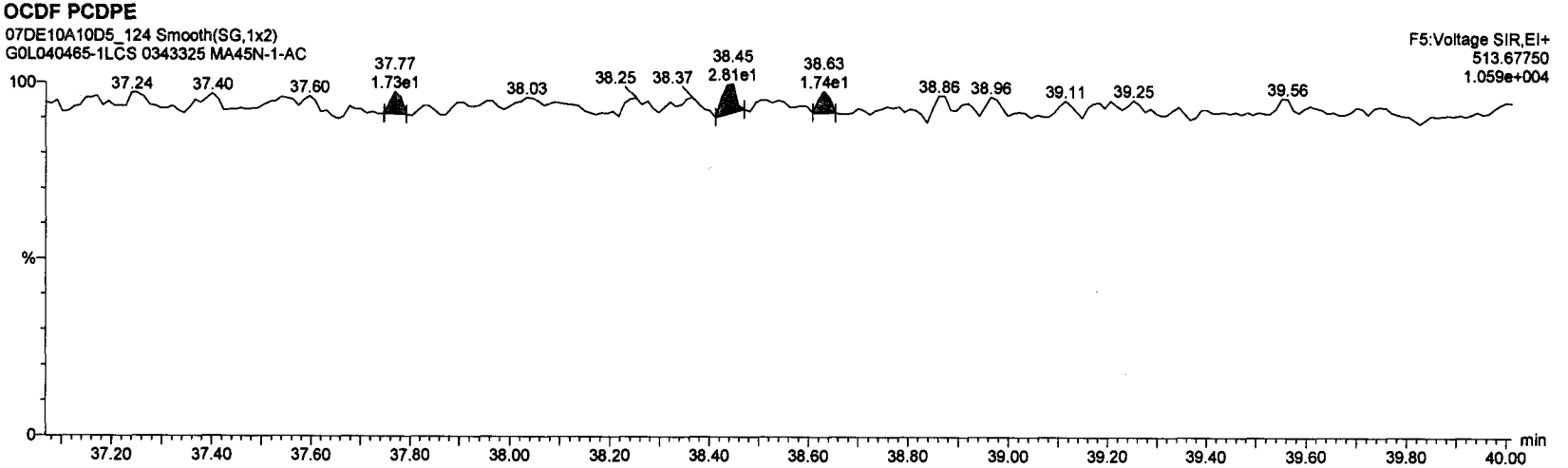
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

OCDFs



OCDF PCDPE



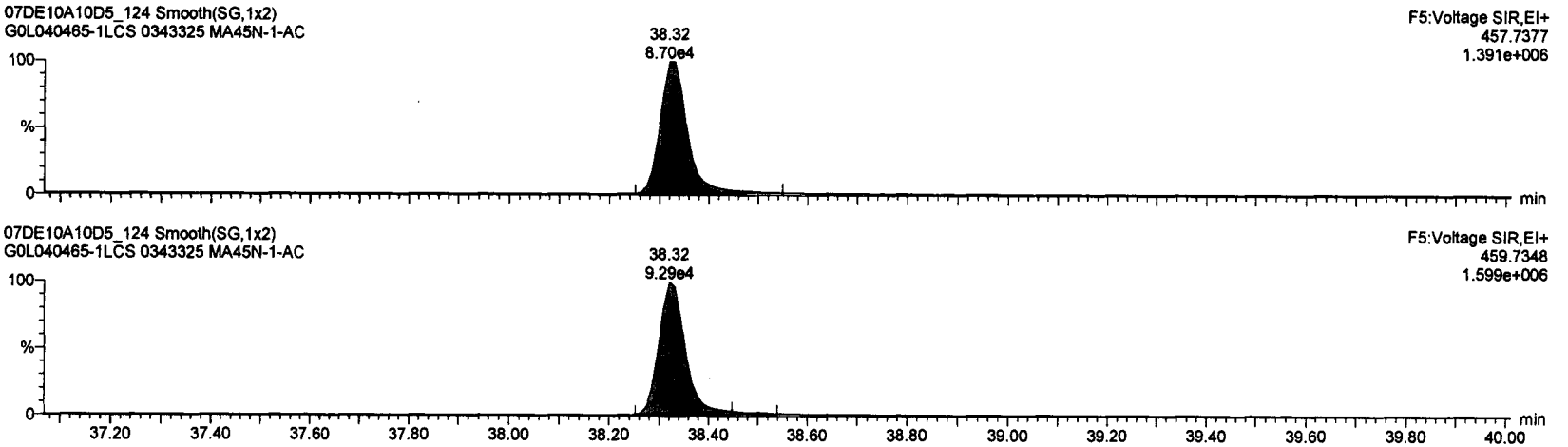
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

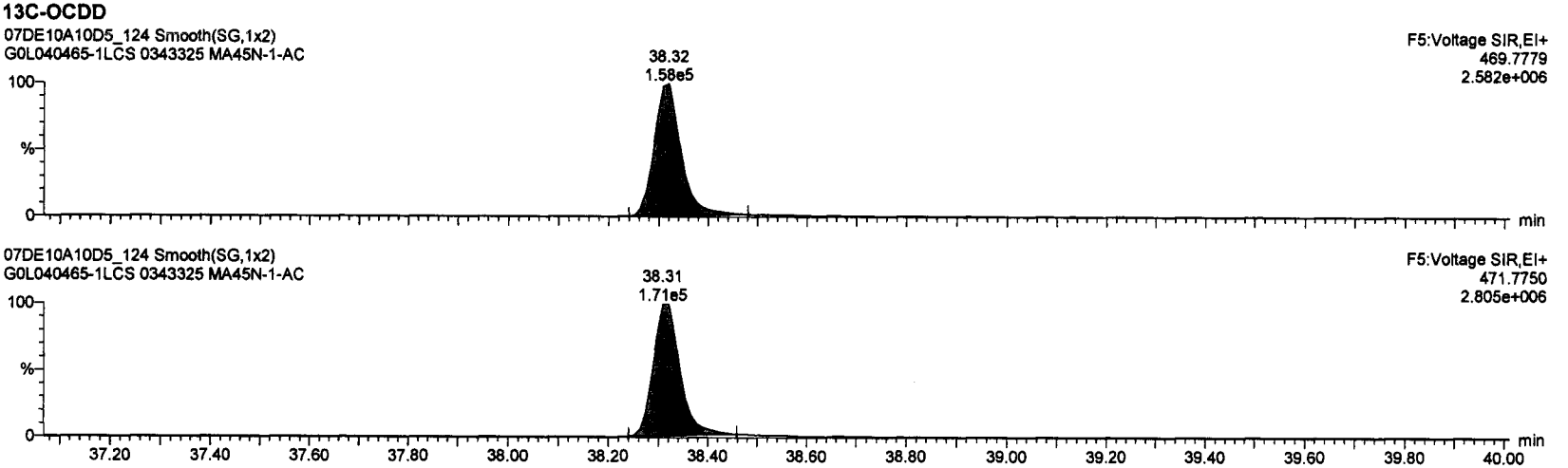
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

OCDD



13C-OCDD



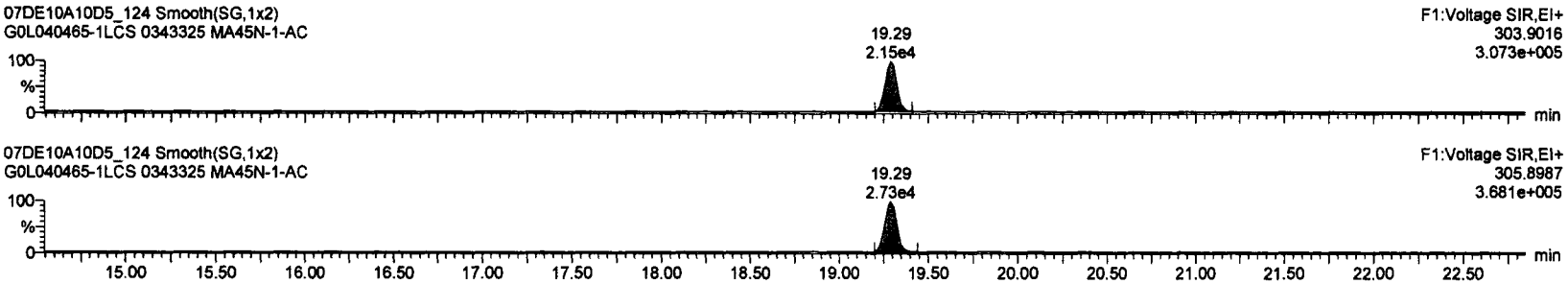
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

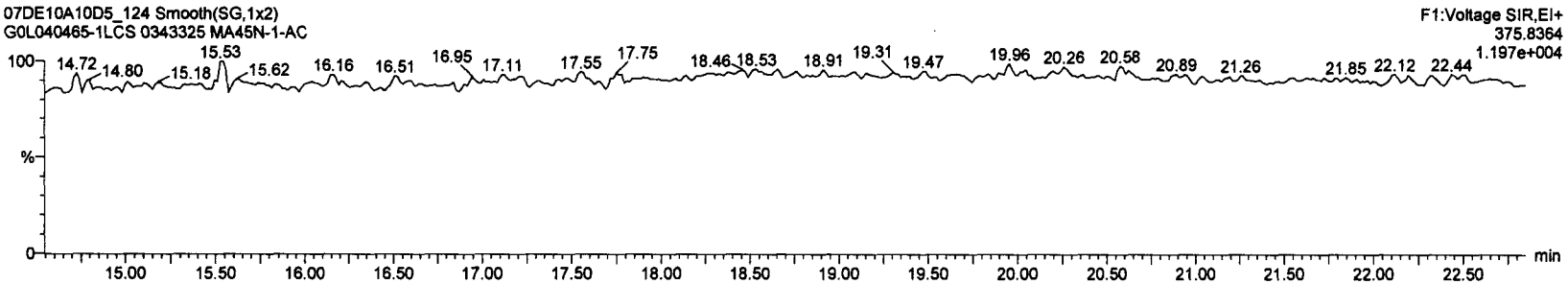
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

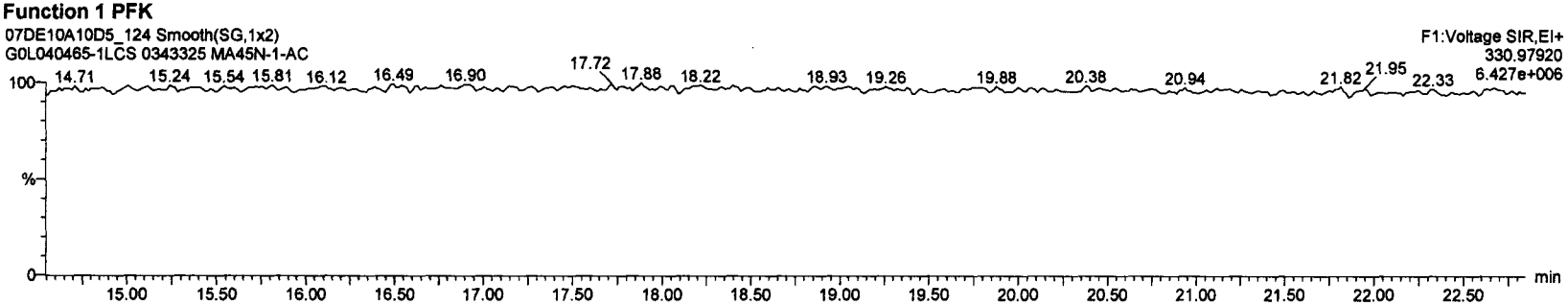
TCDFs



TCDF PCDPE



Function 1 PFK



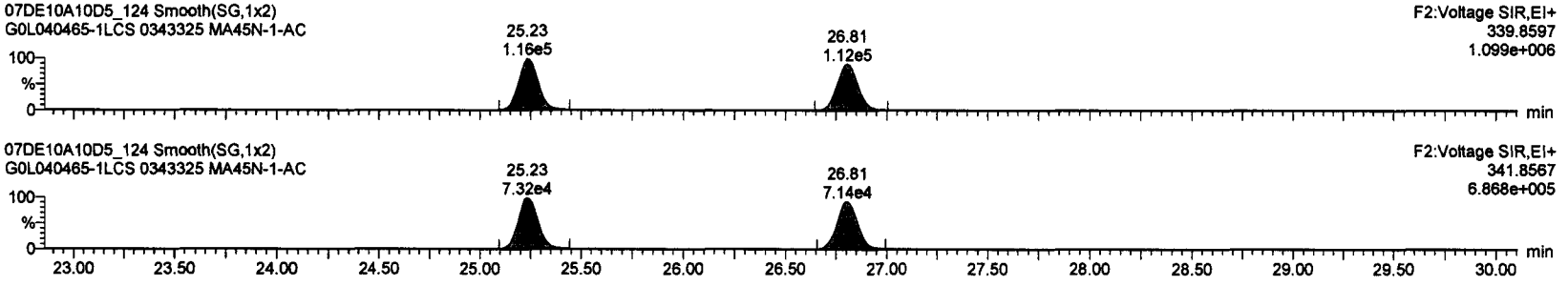
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

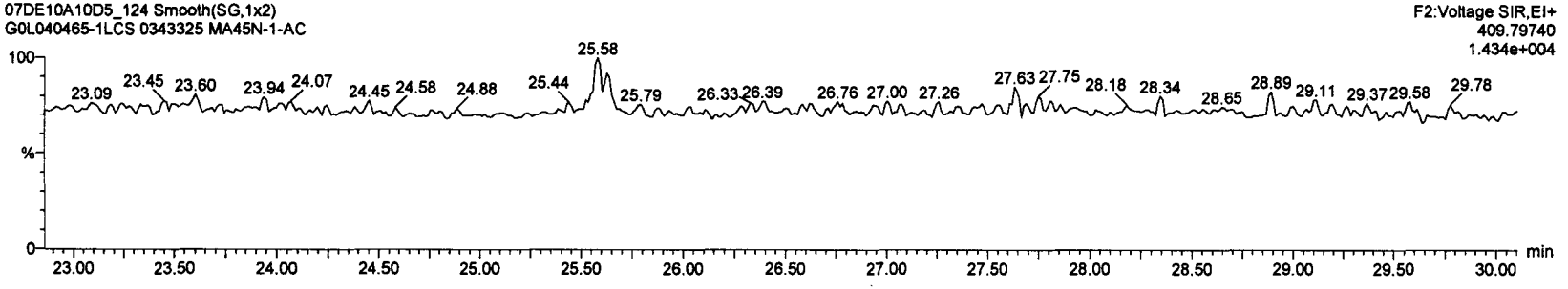
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

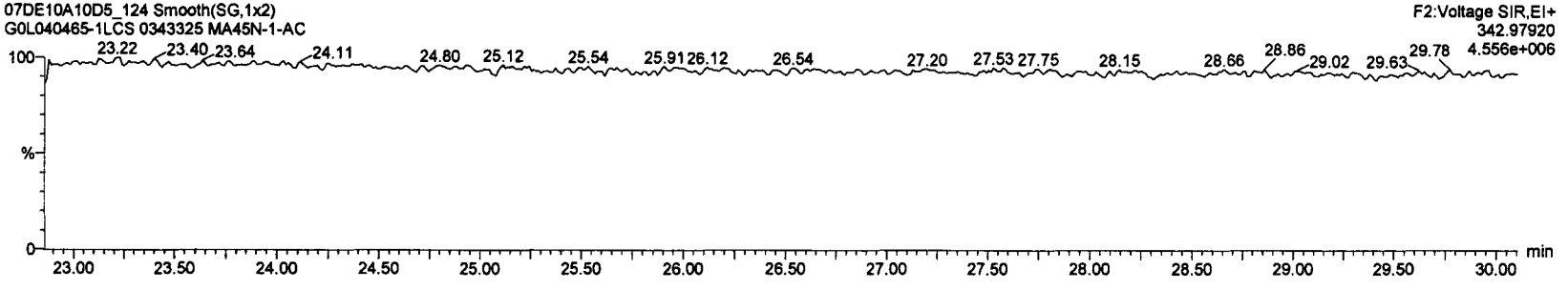
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



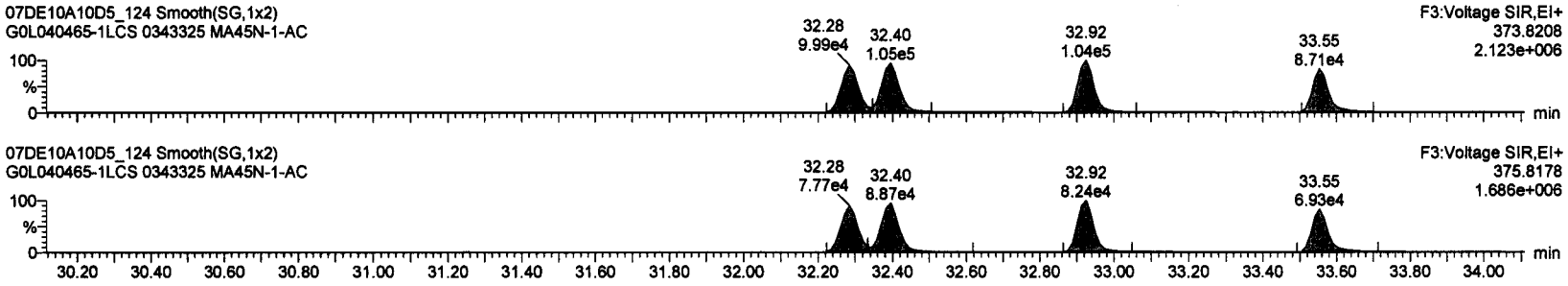
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

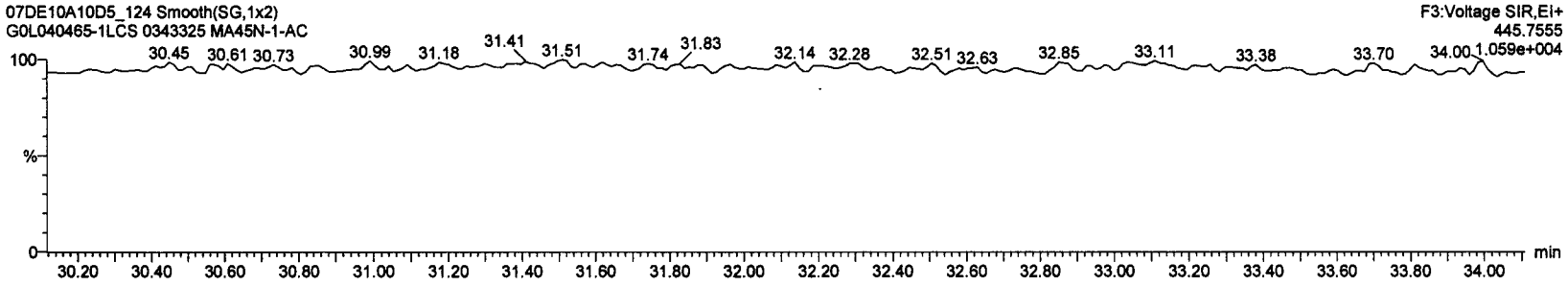
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

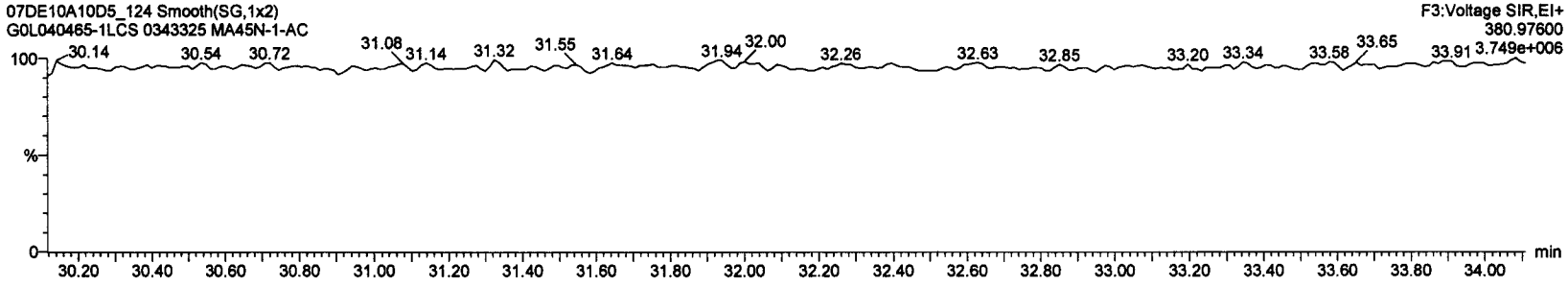
HxCDFs



HxCDF PCDPE



Function 3 PFK



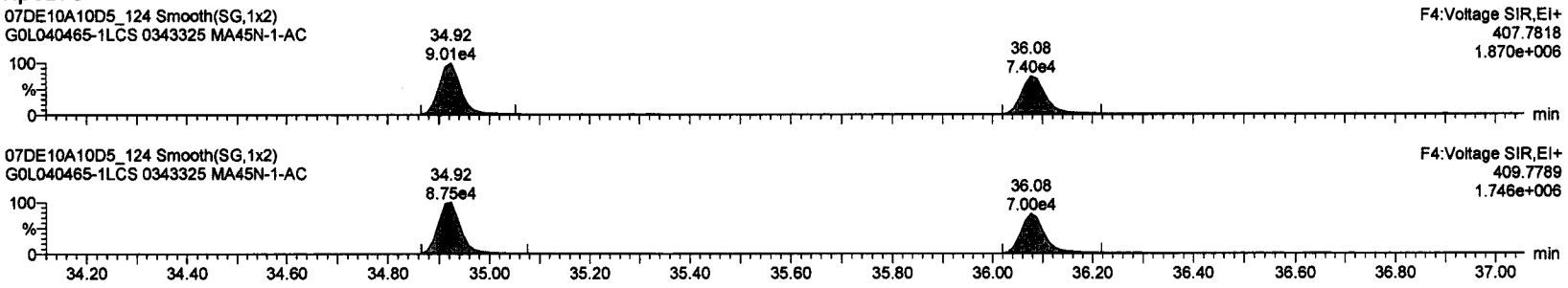
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

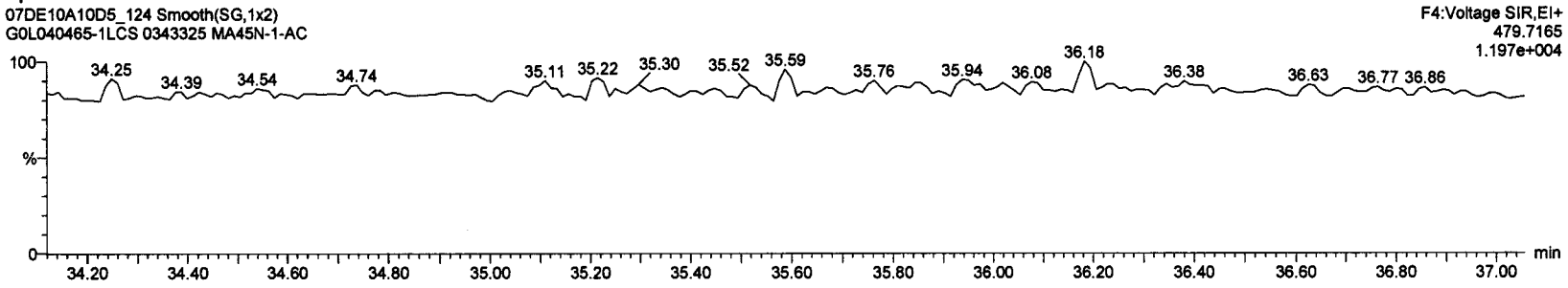
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

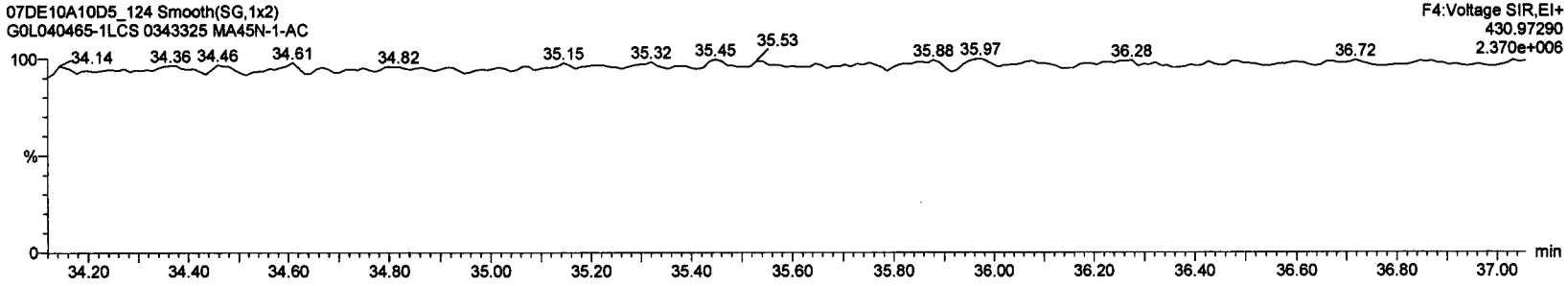
HpCDFs



HpCDF PCDPE



Function 4 PFK



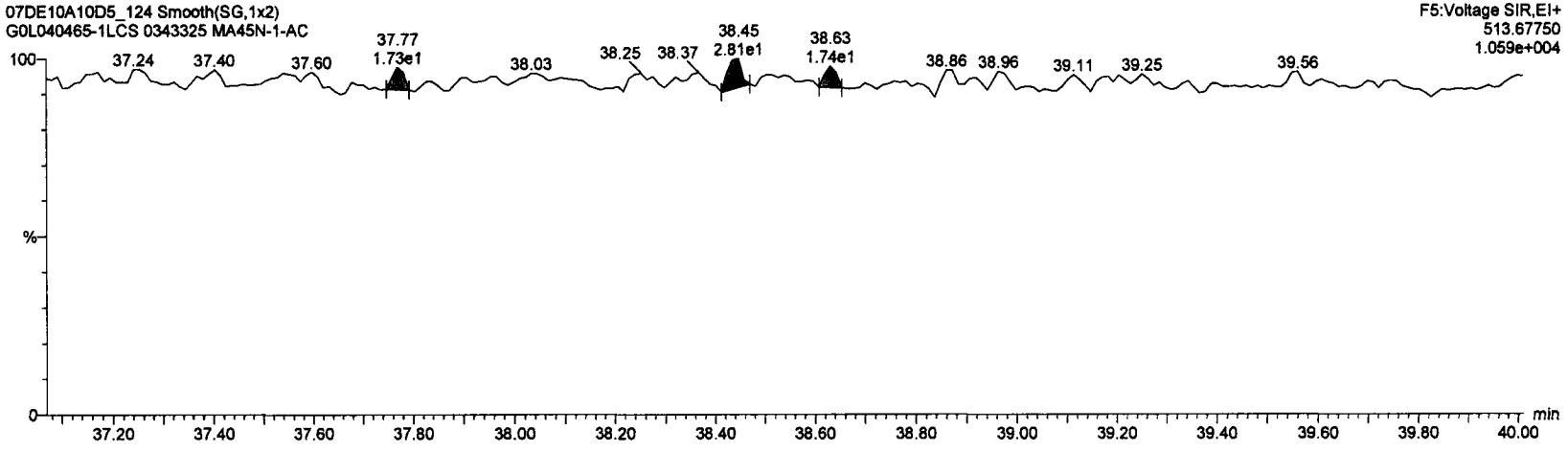
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

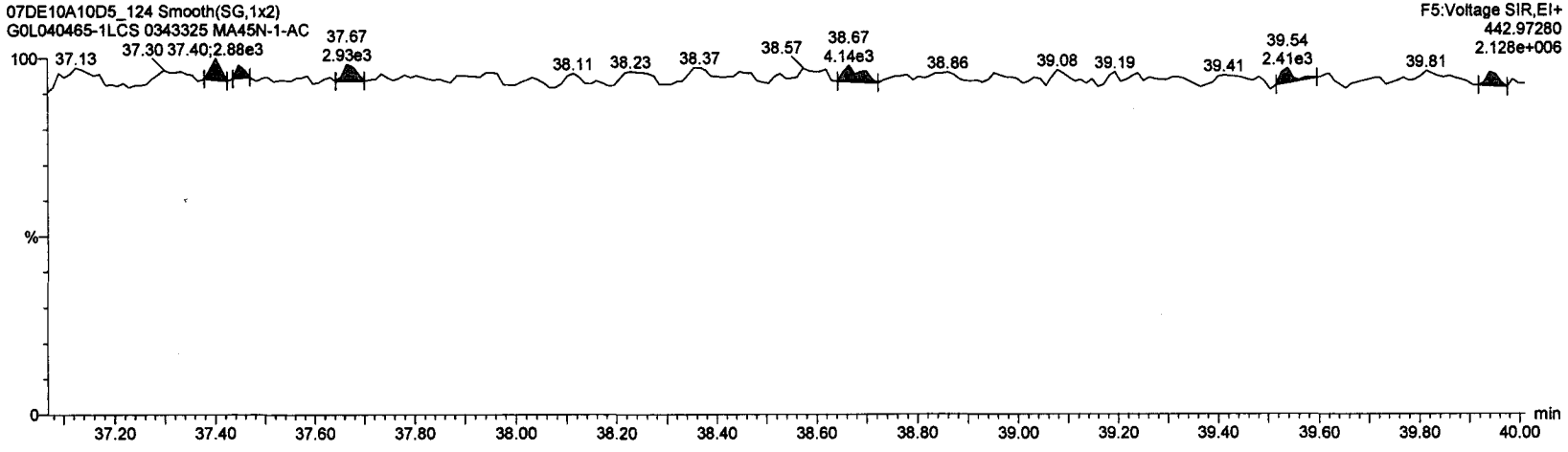
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_124, Date: 11-Dec-2010, Time: 14:13:44, ID: MA45N-1-AC, Description: G0L040465-1LCS 0343325

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

05 12-15-10

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325, Task:

1	13C-1,2,3,4-TCDD	331.9368	0.500	19.88	19.85	1.00000	378415.61	4000.0000	4000.0000	100.0	4.86570	0.77	NO
2													
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.26	19.10	1.31203	470599.03	3791.3973	3791.3970	94.8	3.11322	0.79	NO
4	2,3,7,8-TCDF	303.9016	0.500	19.28	19.26	0.99766	47198.76	402.1224	402.1220		1.48397	0.79	NO
5	Total TCDFs	303.9016	0.500		21.44	0.99766		402.1224	402.1220		1.48397		
6													
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.09	20.09	0.90938	344261.50	4001.5845	4001.5850	100.0	5.35054	0.79	NO
8	2,3,7,8-TCDD	319.8965	0.500	20.12	20.09	1.03464	36010.78	404.4015	404.4020		1.64254	0.80	NO
9	Total TCDDs	319.8965	0.500		22.69	1.03464		404.4015	404.4020		1.64254		
10													
11	37CL-2,3,7,8-TCDD	327.8847	0.500		20.09	0.65529					2.08849		
12													
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.20	25.11	1.02378	341697.55	3527.9728	3527.9730	88.2	4.96870	1.60	NO
14	1,2,3,7,8-PeCDF	339.8597	0.500	25.22	25.20	1.09163	187189.28	2007.3495	2007.3500		2.86894	1.57	NO
15	2,3,4,7,8-PeCDF	339.8597	0.500	26.79	26.73	1.06412	182012.85	2002.3090	2002.3090		2.94313	1.56	NO
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787		4009.6585	4009.6580		2.90556		
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787		0.3892	0.0500		1.74373		
18													
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.63	27.48	0.73445	247147.59	3557.0085	3557.0080	88.9	3.94733	1.63	NO
20	1,2,3,7,8-PeCDD	355.8546	0.500	27.66	27.63	0.96030	117317.56	1977.2487	1977.2490		4.23193	1.58	NO
21	Total PeCDDs	355.8546	0.500		31.10	0.96030		1977.2487	1977.2490		4.23193		
22													
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.37	33.27	1.00000	242261.52	4000.0000	4000.0000	100.0	4.84897	1.23	NO
24													
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.26	32.23	1.04941	252182.73	3967.7579	3967.7580	99.2	4.76585	0.51	NO
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	32.28	32.26	1.31260	172872.17	2088.9937	2088.9940		2.27890	1.28	NO
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	32.38	32.38	1.43801	189300.42	2088.0198	2088.0200		2.08015	1.23	NO
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.91	32.92	1.35233	177089.78	2077.0879	2077.0880		2.21194	1.26	NO
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.55	33.56	1.19752	160612.54	2127.3673	2127.3670		2.49790	1.28	NO
30	Total HxCDFs	373.8208	0.500		0.00	1.32511		8381.4686	8381.4690		2.25737		
31													
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.12	33.10	0.90452	242934.23	4434.4989	4434.4990	110.9	5.36080	1.21	NO
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.05	33.05	0.98150	107813.45	1808.6399	1808.6400		3.04426	1.25	NO
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	33.13	33.12	1.09425	133961.96	2015.7481	2015.7480		2.73059	1.23	NO
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.38	33.39	1.05784	120919.29	1882.1161	1882.1160		2.82458	1.26	NO

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325, Task:

36	Total HxCDDs	389.8157	0.500		0.00	1.04453		5706.5041	5706.5040		2.86057		
37													
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.90	34.91	0.95391	232436.73	4023.2326	4023.2330	100.6	6.81936	0.45	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.91	34.90	1.46280	166498.92	1958.7627	1958.7630		3.59862	1.06	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.08	36.07	1.23081	138690.44	1939.1486	1939.1490		4.27691	1.08	NO
41	Total HpCDFs	407.7818	0.500		0.00	1.34680		3897.9113	3897.9110		3.90855		
42													
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.74	35.75	0.84836	201597.13	3923.5482	3923.5480	98.1	8.59984	1.09	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.75	35.74	1.05453	104001.61	1956.8423	1956.8420		2.97081	1.01	NO
45	Total HpCDDs	423.7766	0.500		0.09	1.05453		1956.8423	1956.8420		2.97081		
46													
47	13C-OCDD	469.7779	0.500	38.31	38.35	0.67464	297427.69	7279.1780	7279.1780	91.0	9.07331	0.88	NO
48	OCDF	441.7428	0.500	38.44	38.43	1.48610	220573.37	3992.2171	3992.2170		4.68843	0.91	NO
49	OCDD	457.7377	0.500	38.32	38.31	1.14618	173803.26	4078.6120	4078.6120		3.64177	0.89	NO
50													
51													
52	Function 1 PFK	330.97920	1.000		38.25								
53	Function 2 PFK	342.97920	1.000		38.25								
54	Function 3 PFK	380.97600	1.000		38.25								
55	Function 4 PFK	430.97290	1.000		38.25								
56	Function 5 PFK	442.97280	1.000		0.00								
57	TCDF PCDPE	375.8364	1.000		38.25								
58	F1 PeCDF PCDPE	409.79740	1.000		38.25								
59	F2 PeCDF PCDPE	409.79740	1.000		38.25								
60	HXCDF PCDPE	445.7555	1.000		38.25								
61	HPCDF PCDPE	479.7165	1.000		38.25								
62	OCDF PCDPE	513.67750	1.000		0.00								

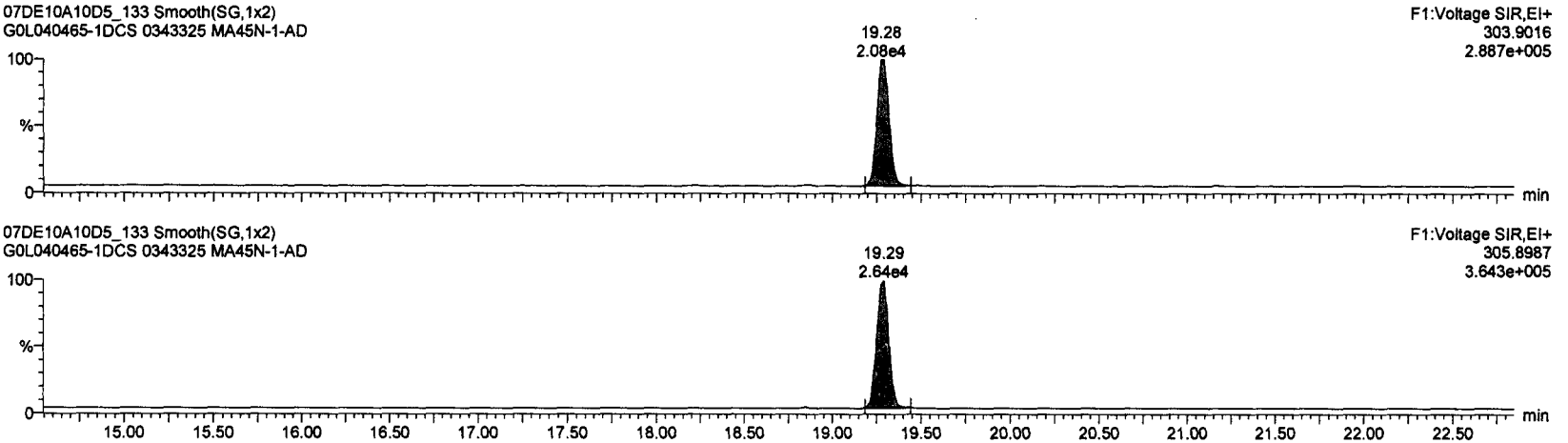
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

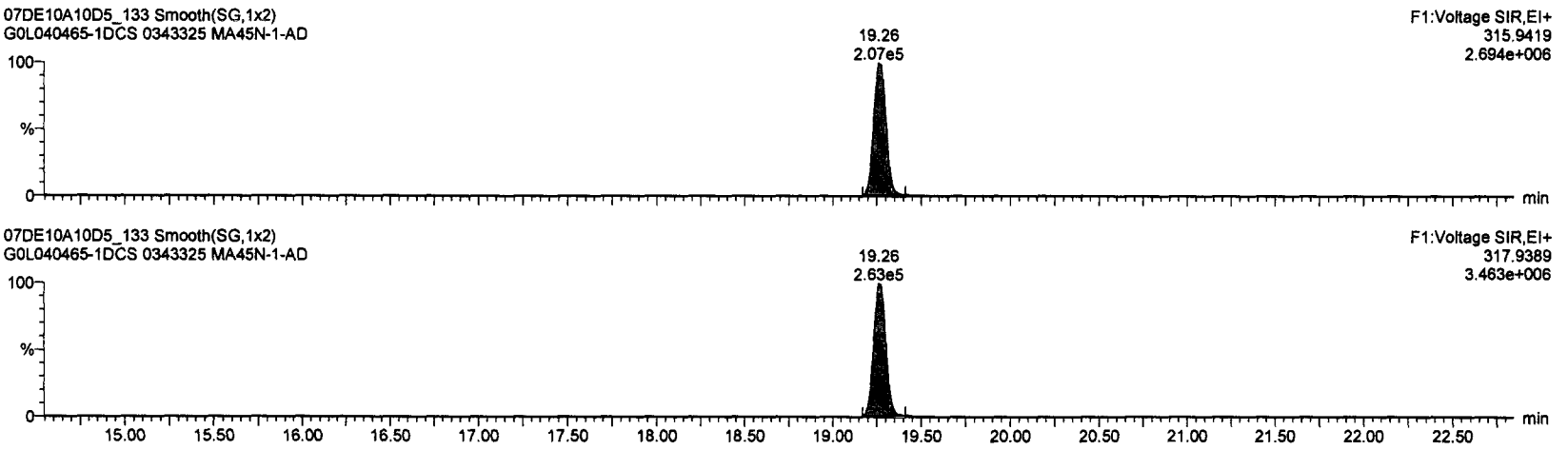
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

TCDFs



13C-TCDF



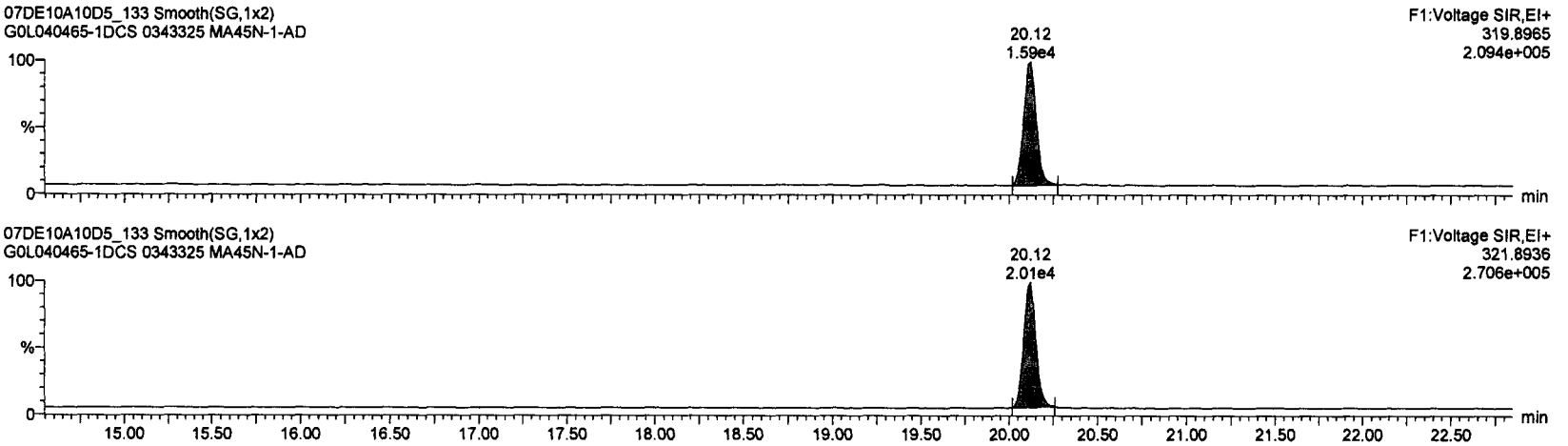
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

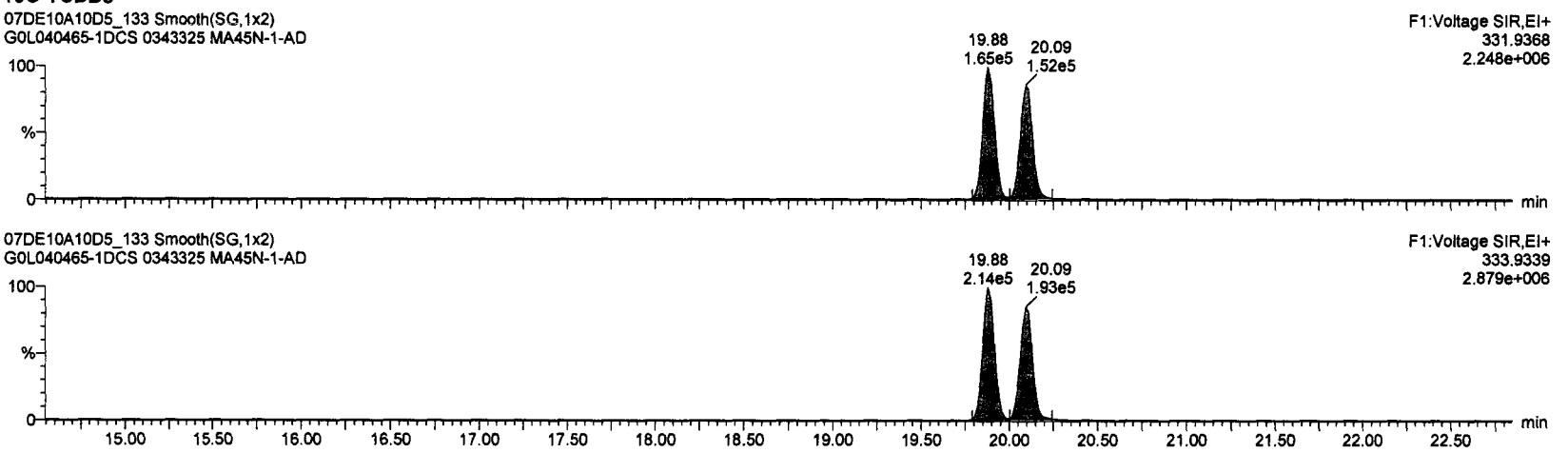
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

TCDDs



13C-TCDDs



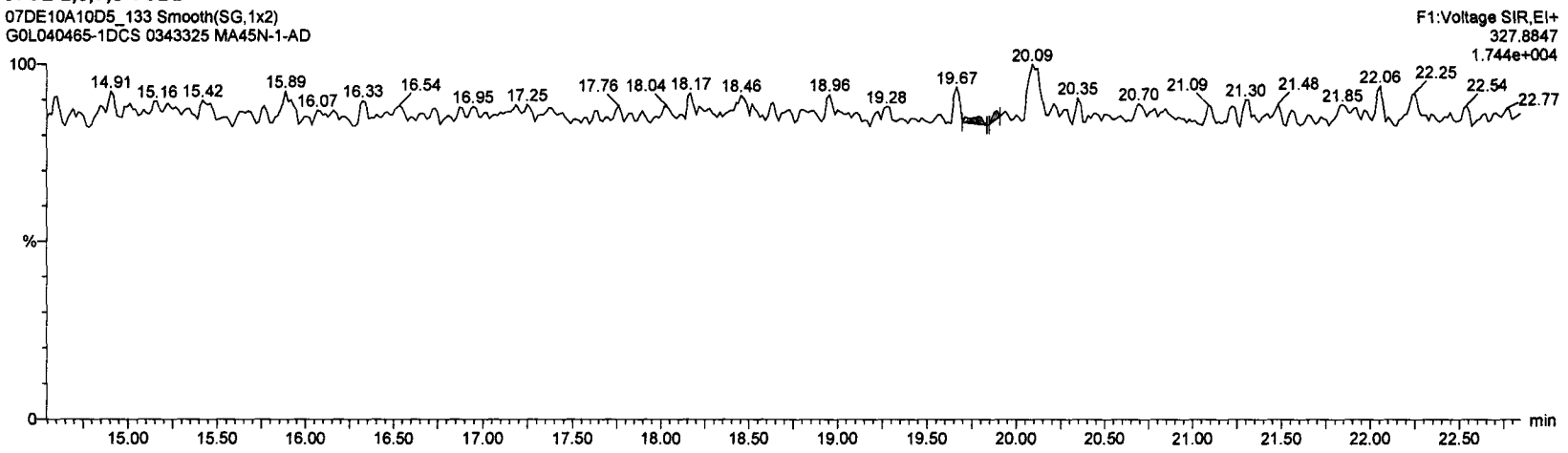
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

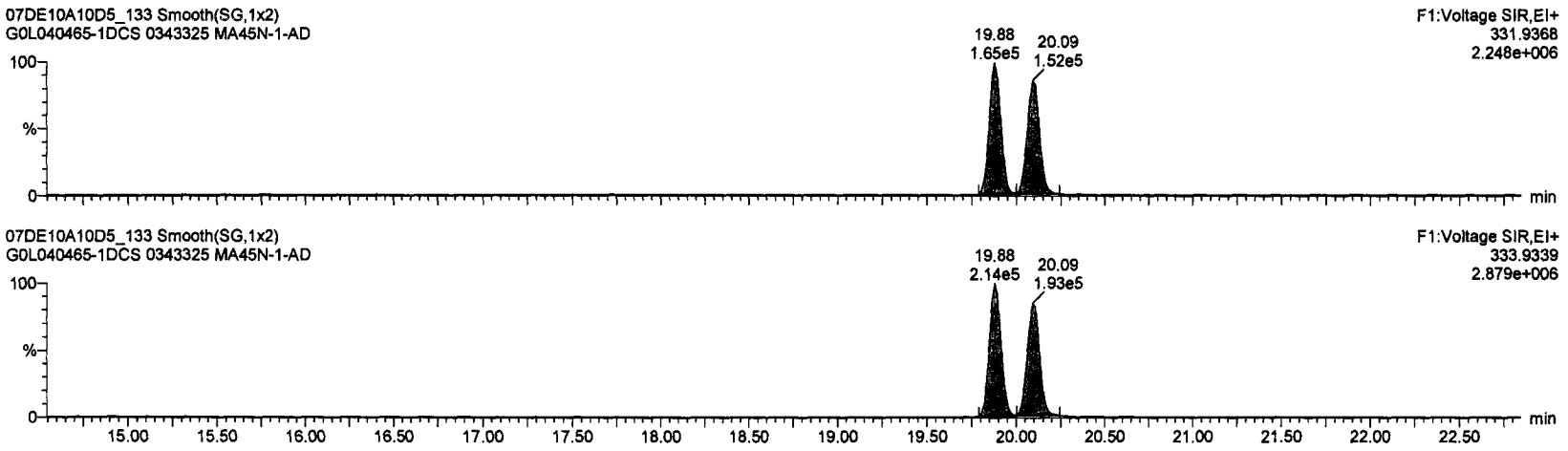
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

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



13C-TCDDs



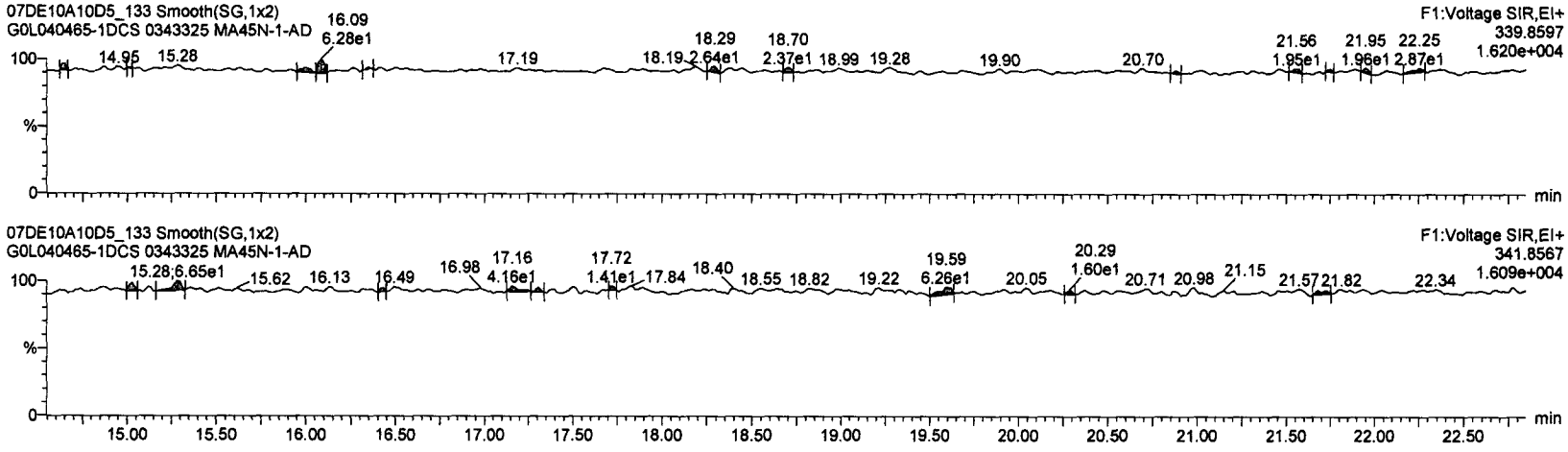
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

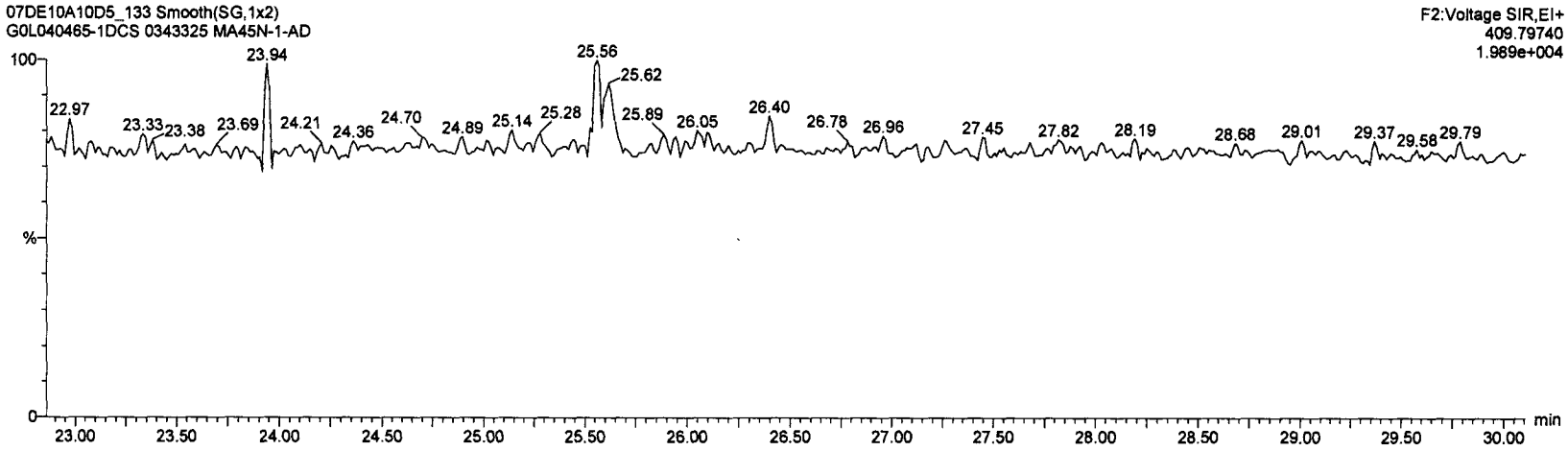
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

F1 PeCDFs



F1 PeCDF PCDPE



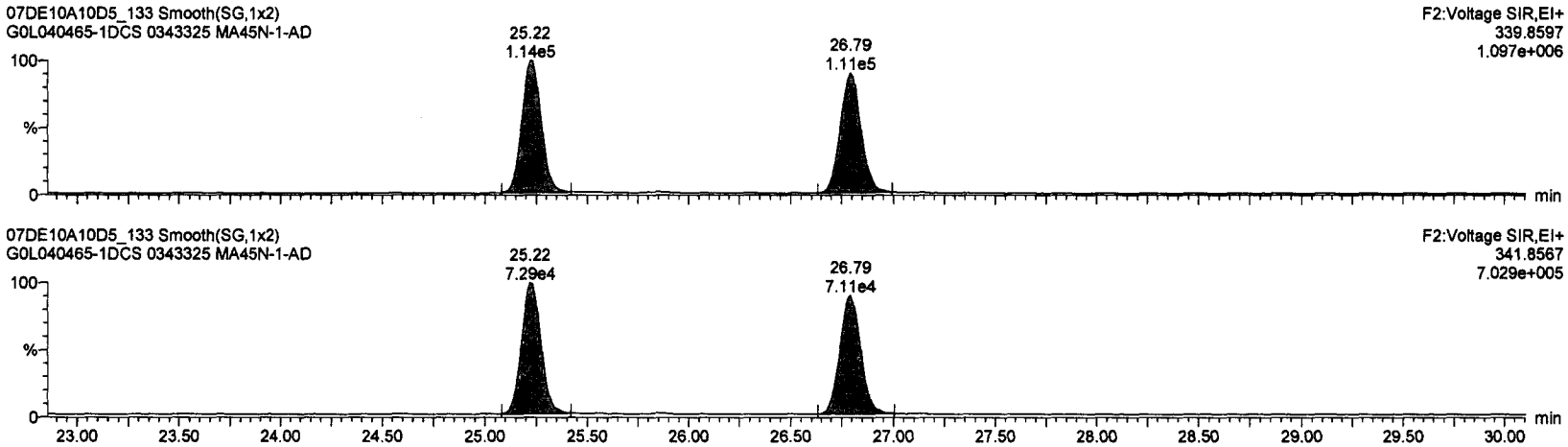
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

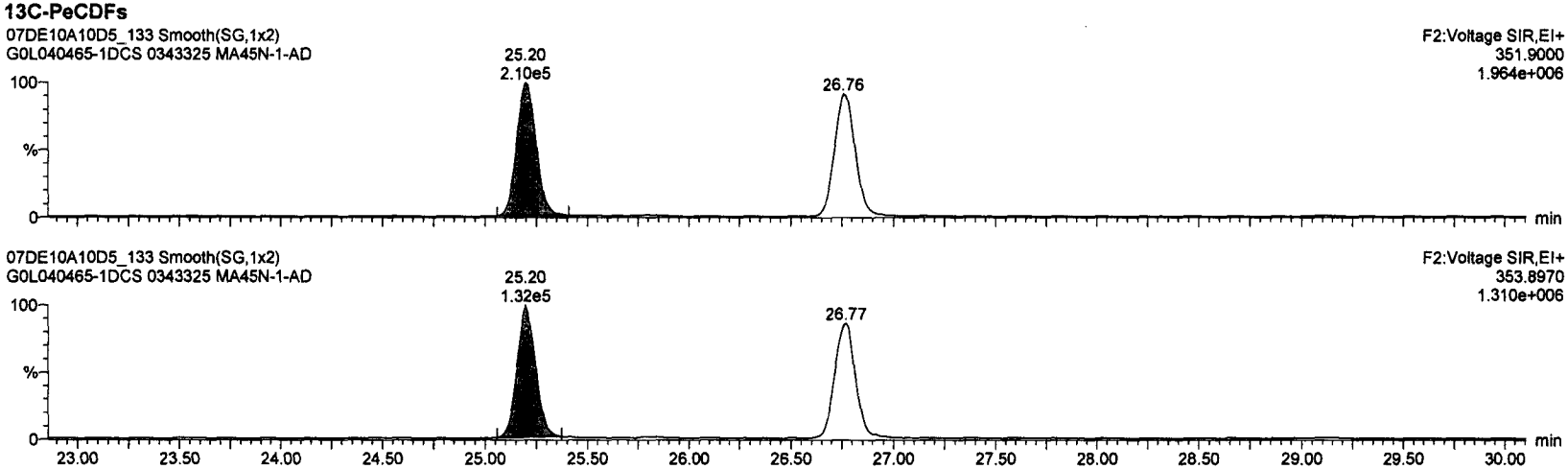
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

PeCDFs



13C-PeCDFs



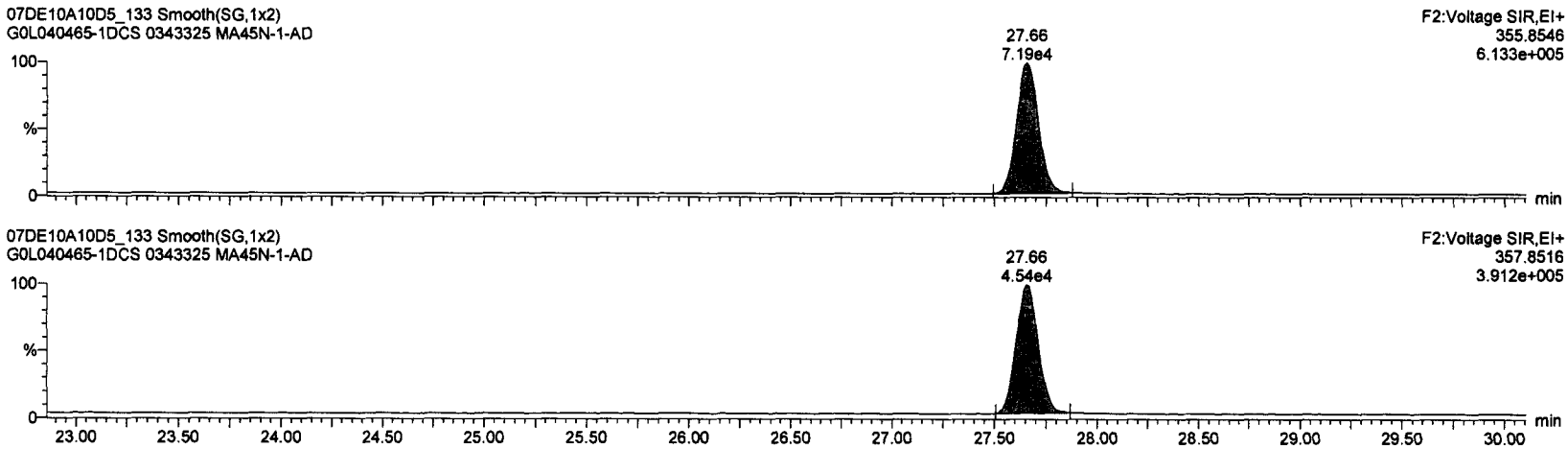
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

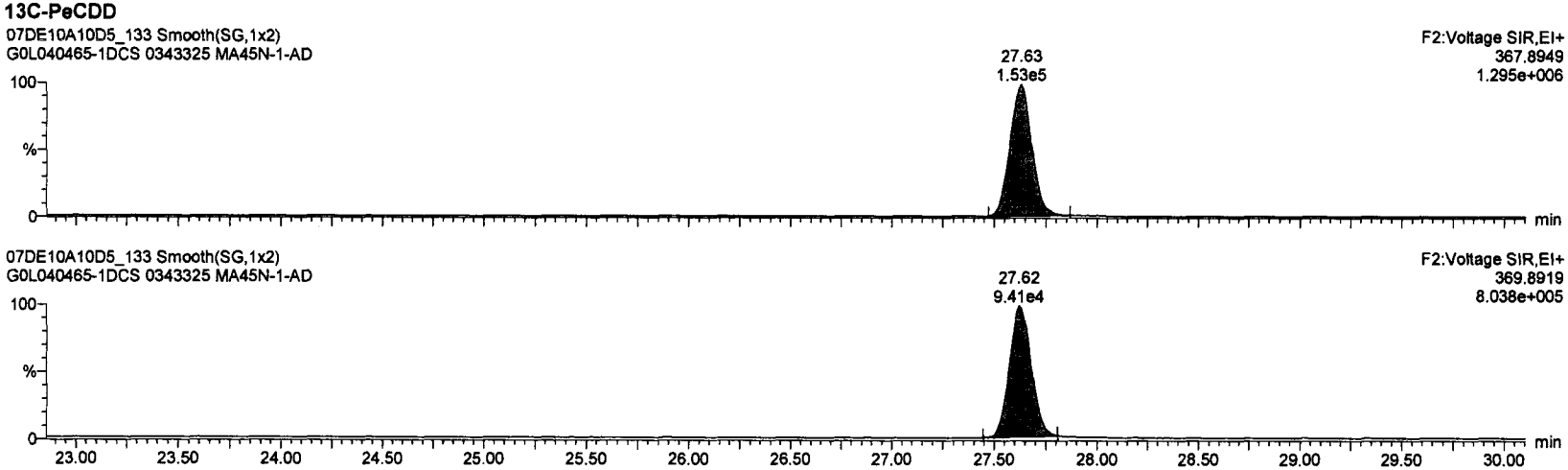
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

PeCDDs



13C-PeCDD



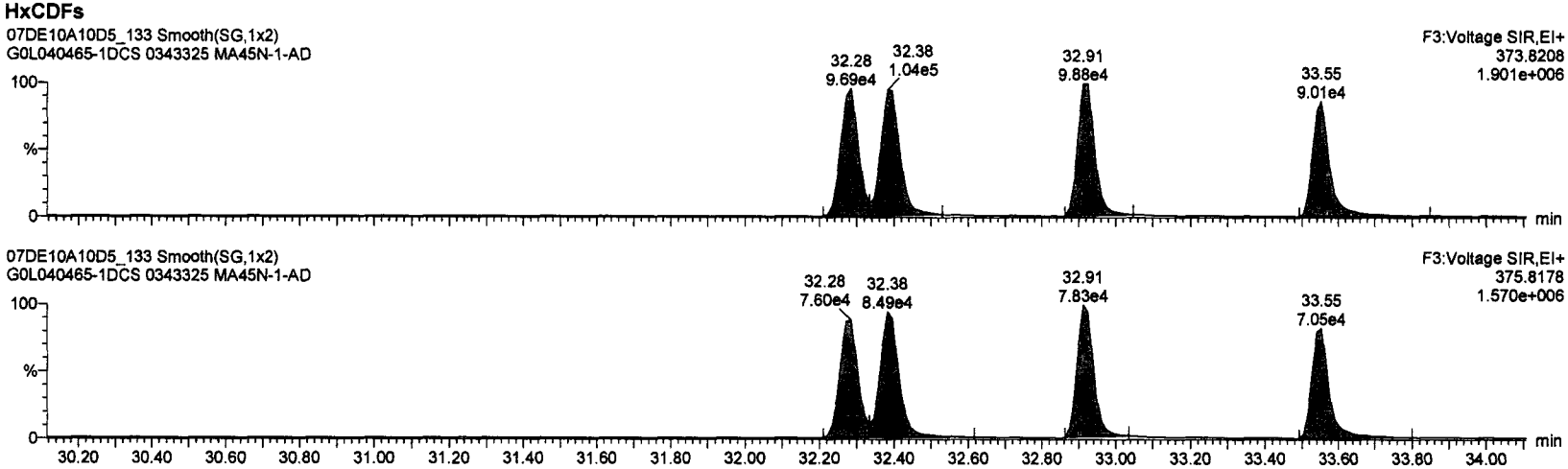
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

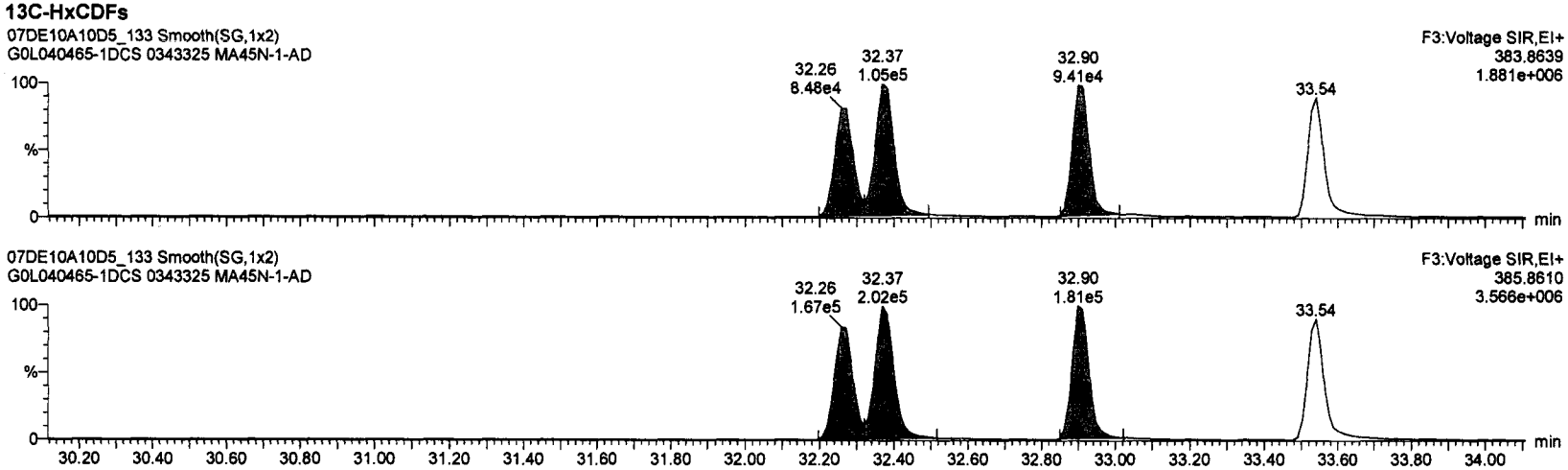
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

HxCDFs



13C-HxCDFs



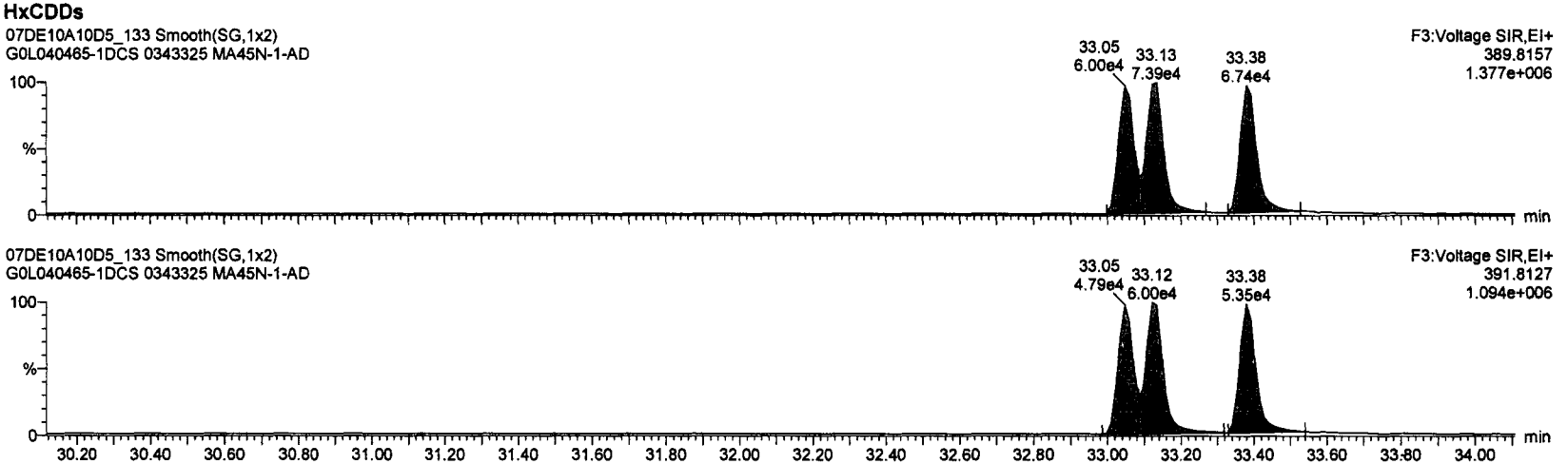
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

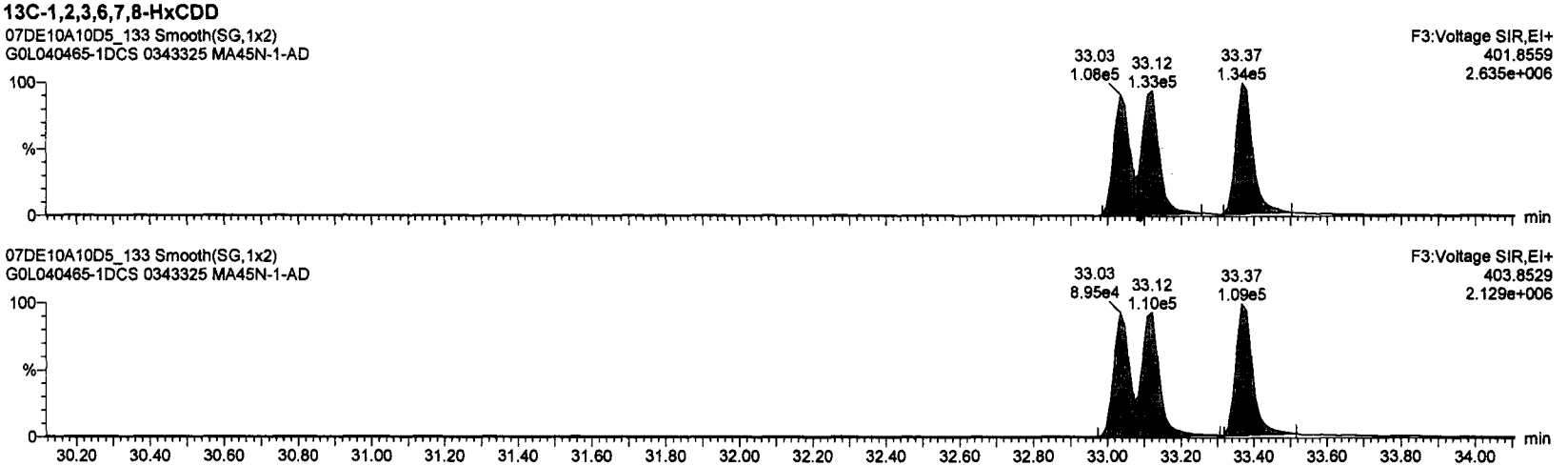
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

HxCDDs



13C-1,2,3,6,7,8-HxCDD



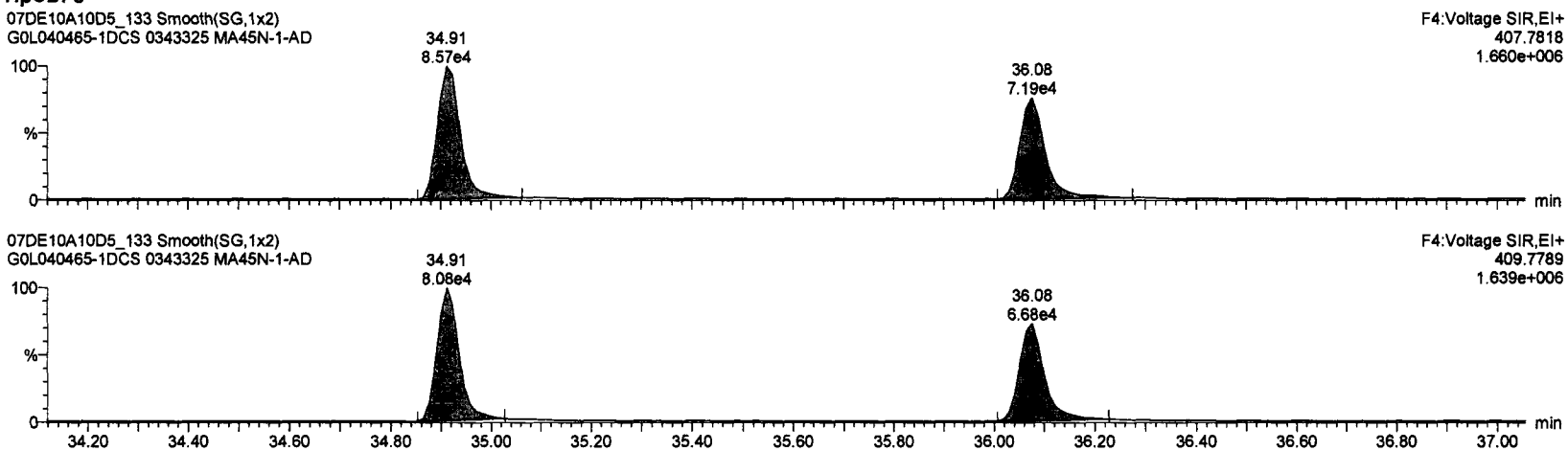
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

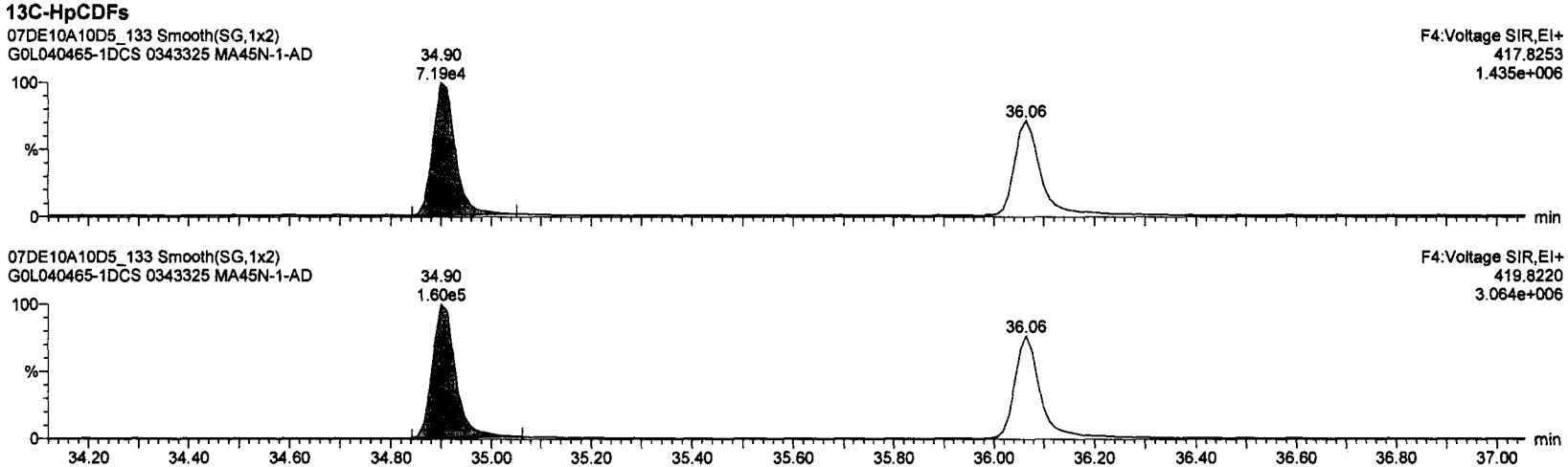
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

HpCDFs



13C-HpCDFs



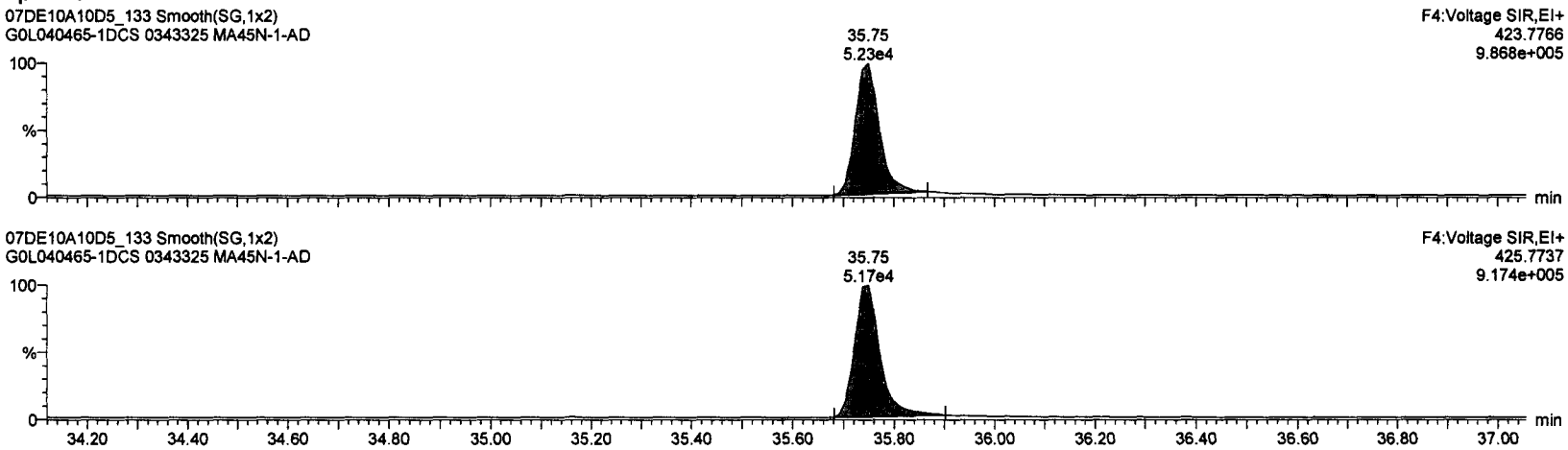
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

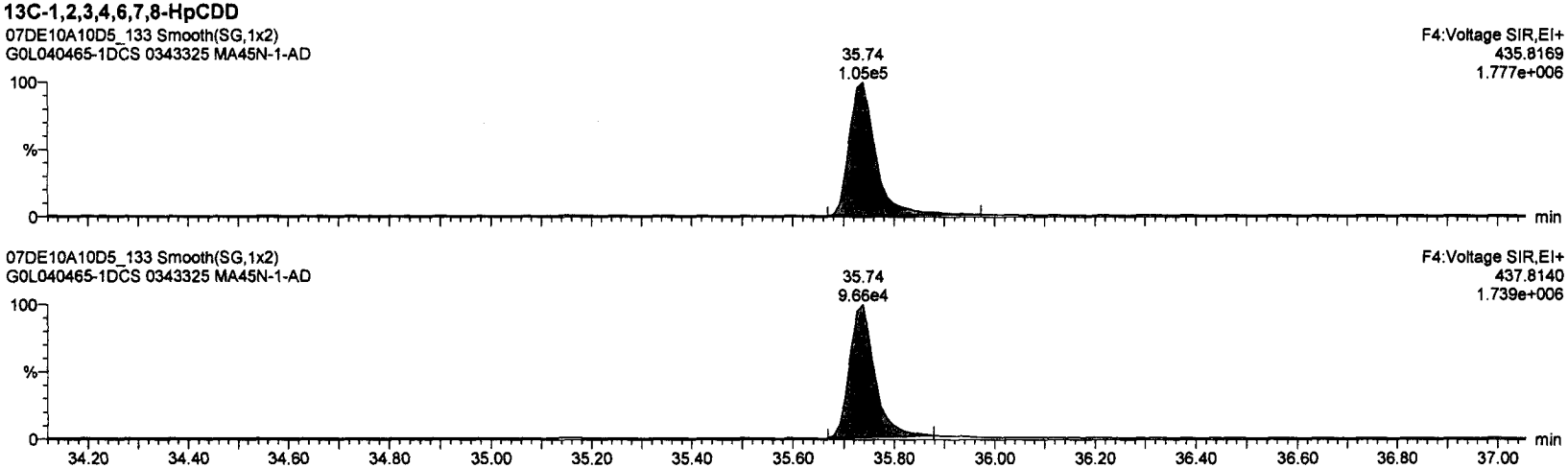
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



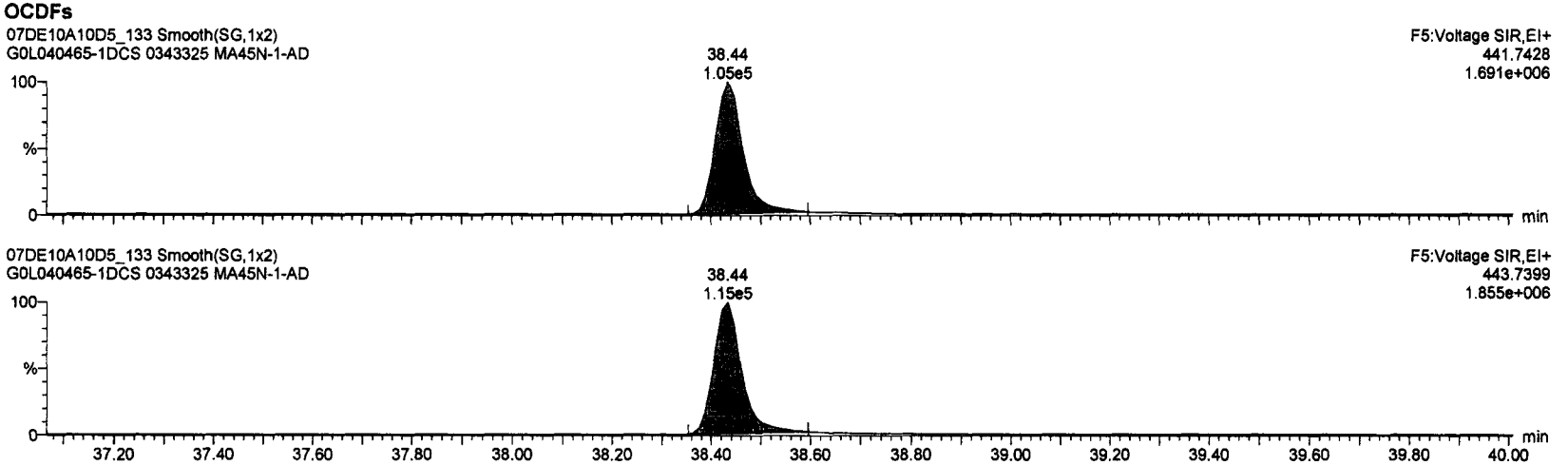
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

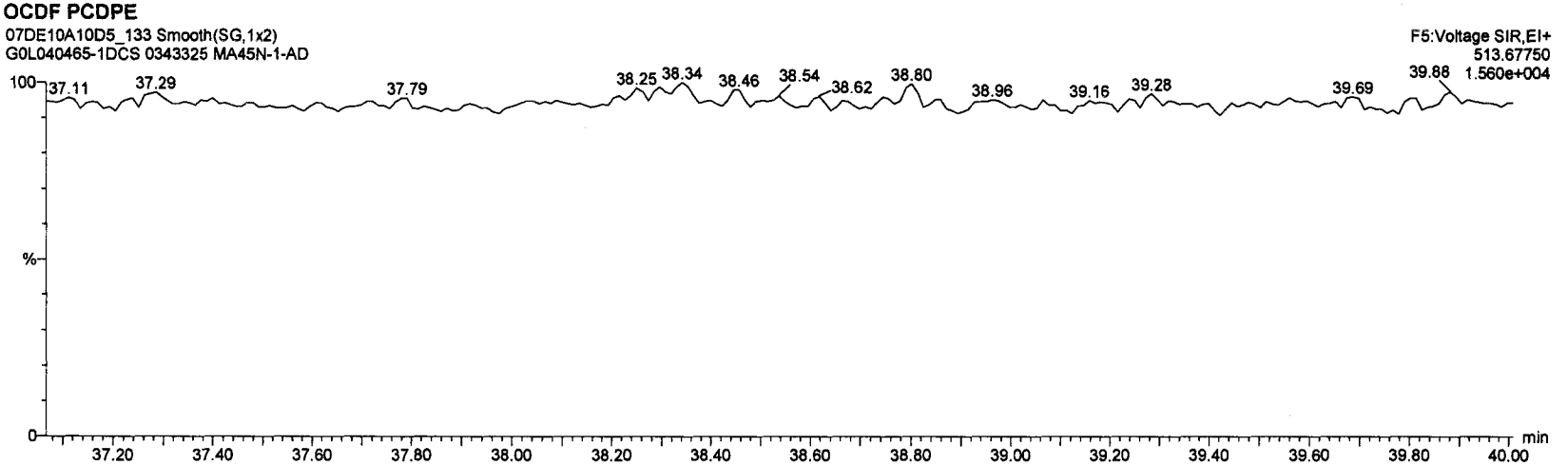
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

OCDFs



OCDF PCDPE



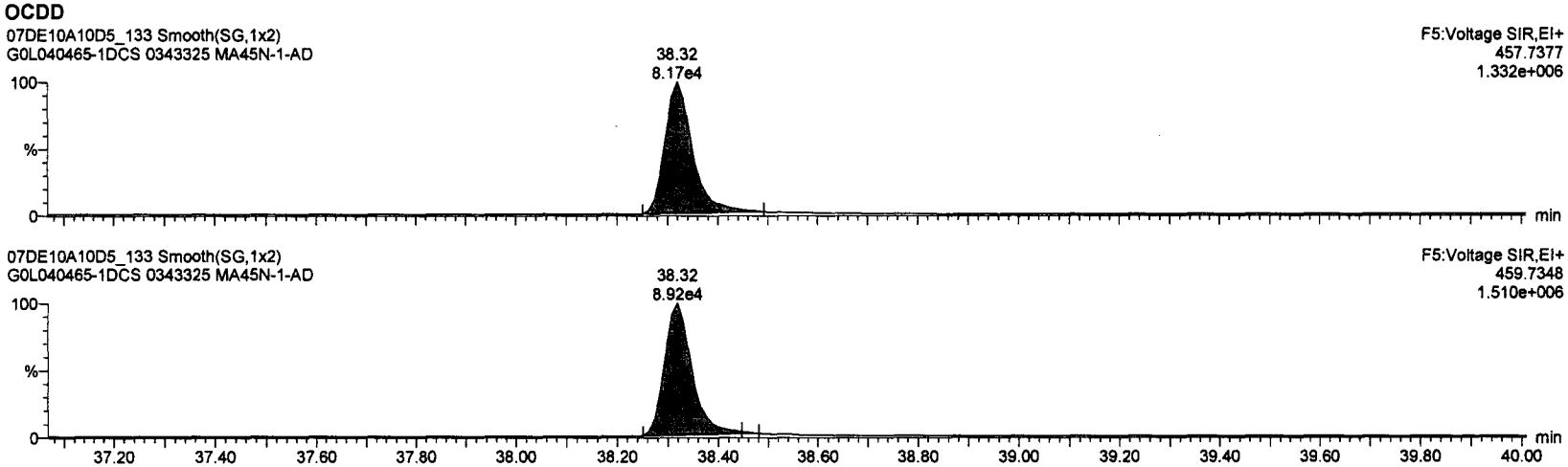
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

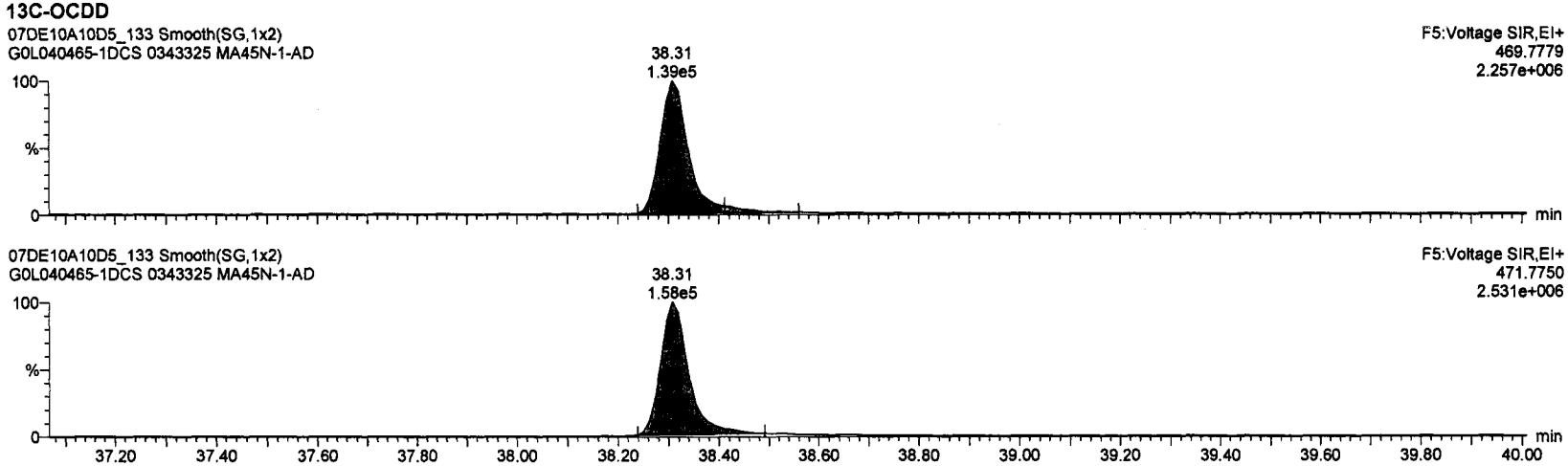
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

OCDD



13C-OCDD



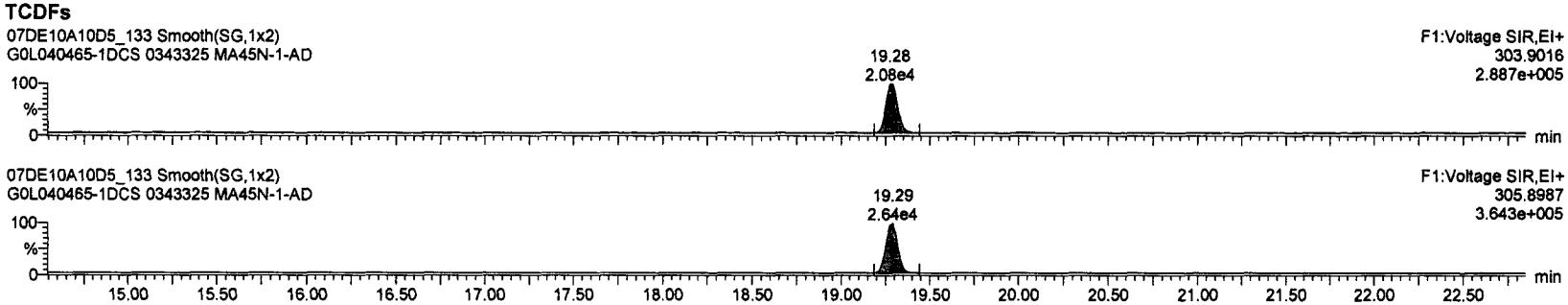
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

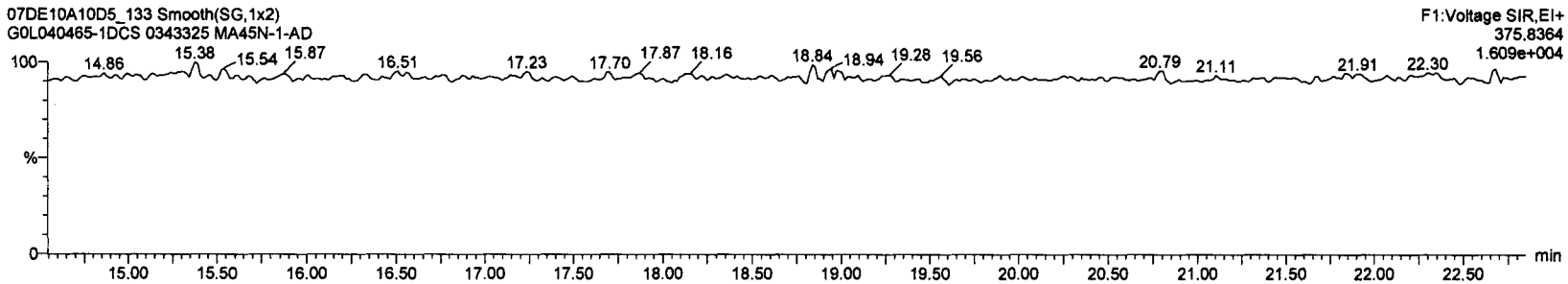
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

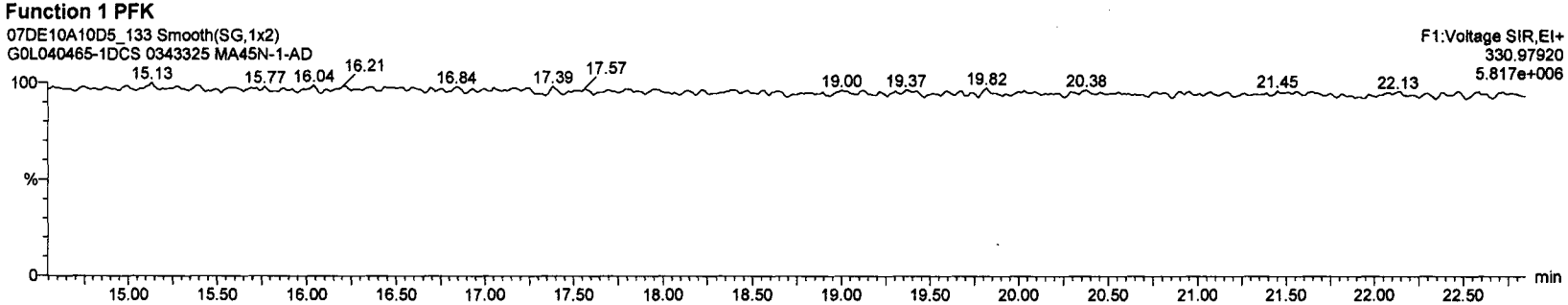
TCDFs



TCDF PCDPE



Function 1 PFK



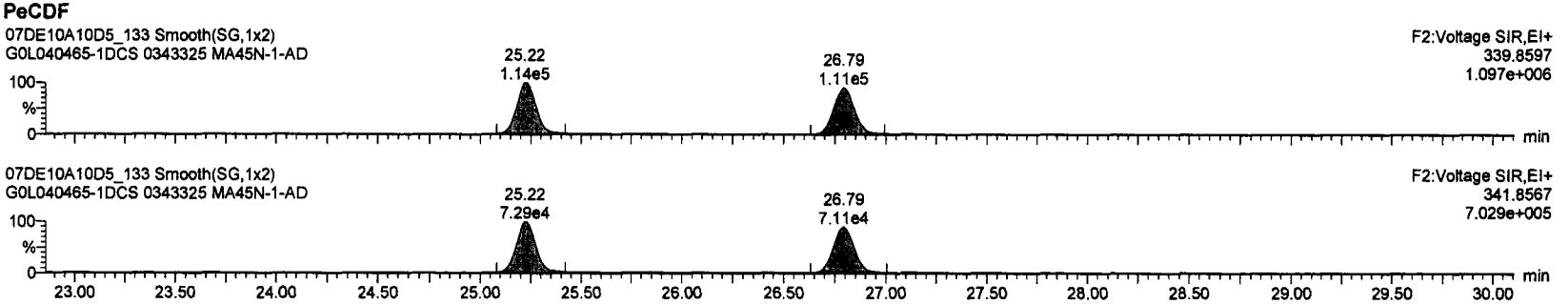
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

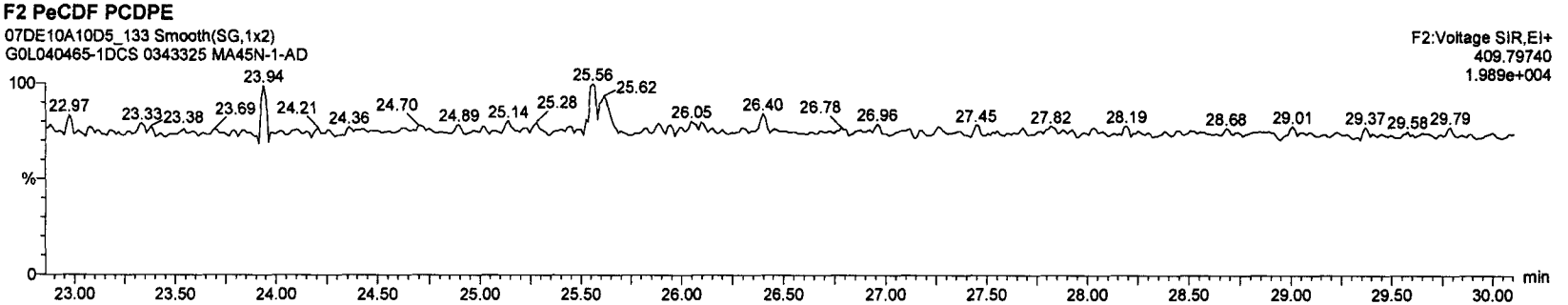
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

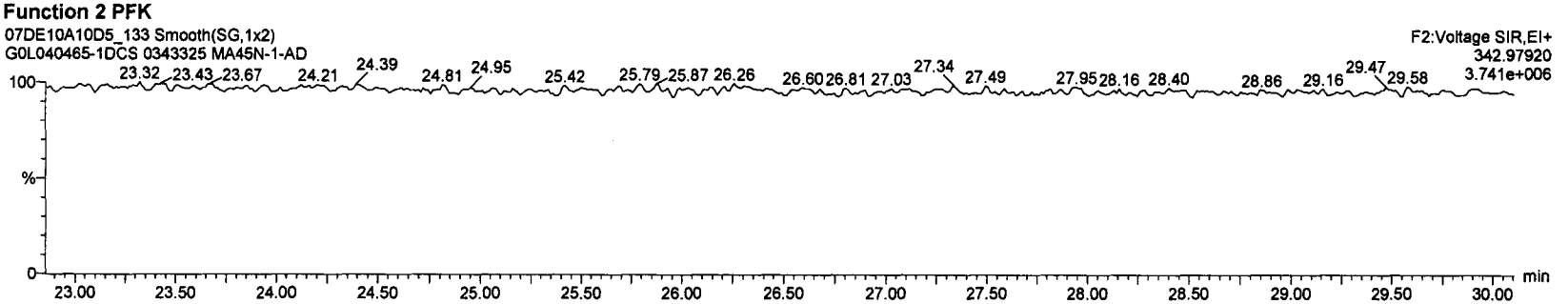
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



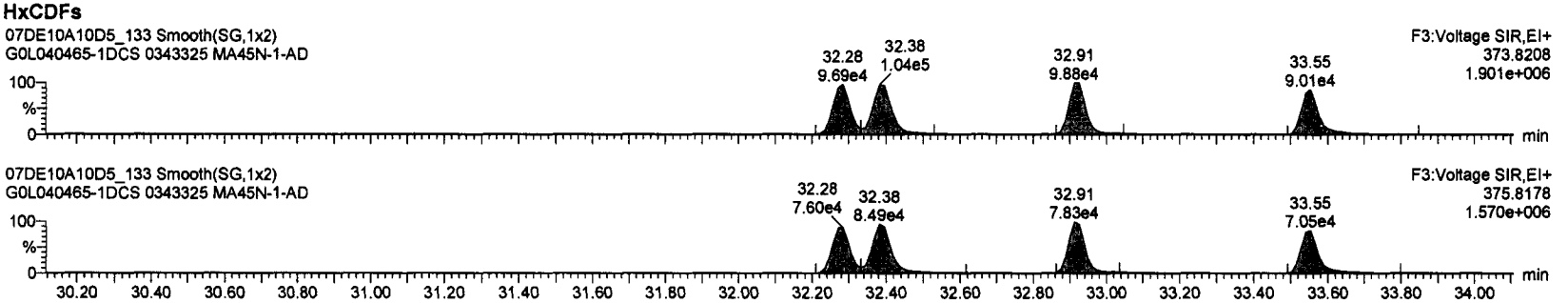
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

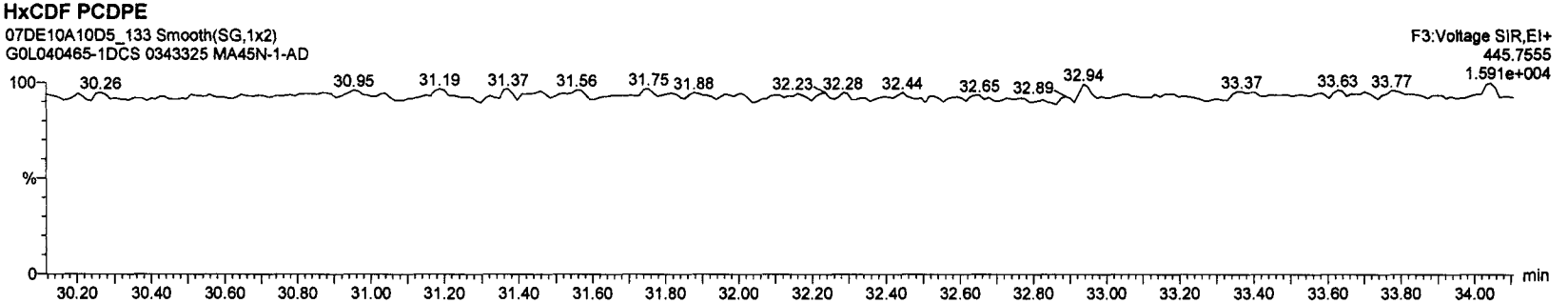
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

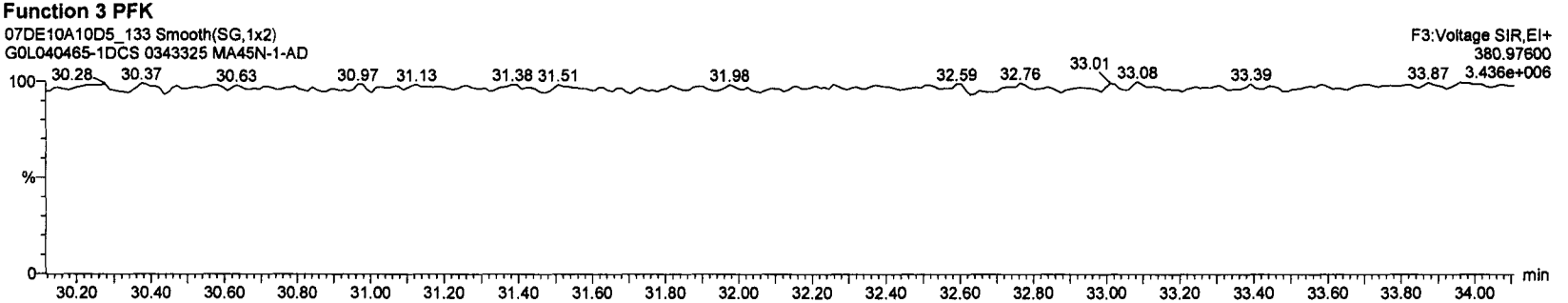
HxCDFs



HxCDF PCDPE



Function 3 PFK



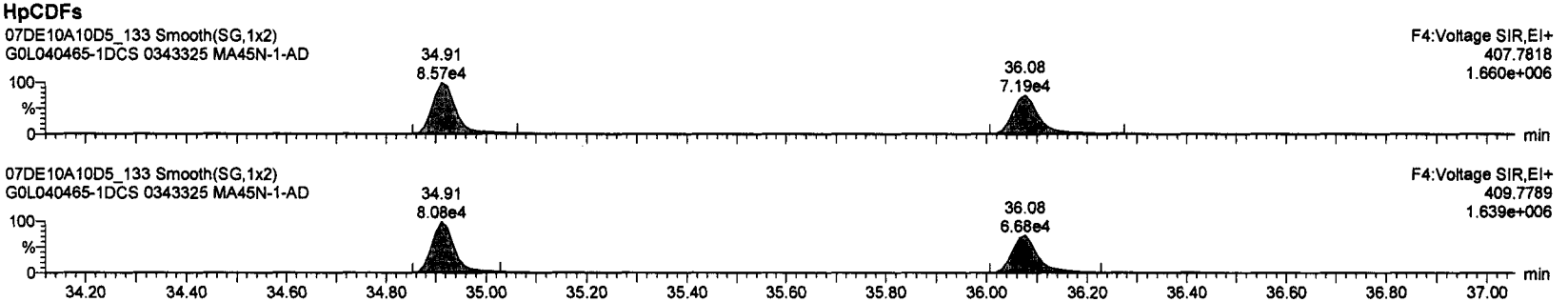
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

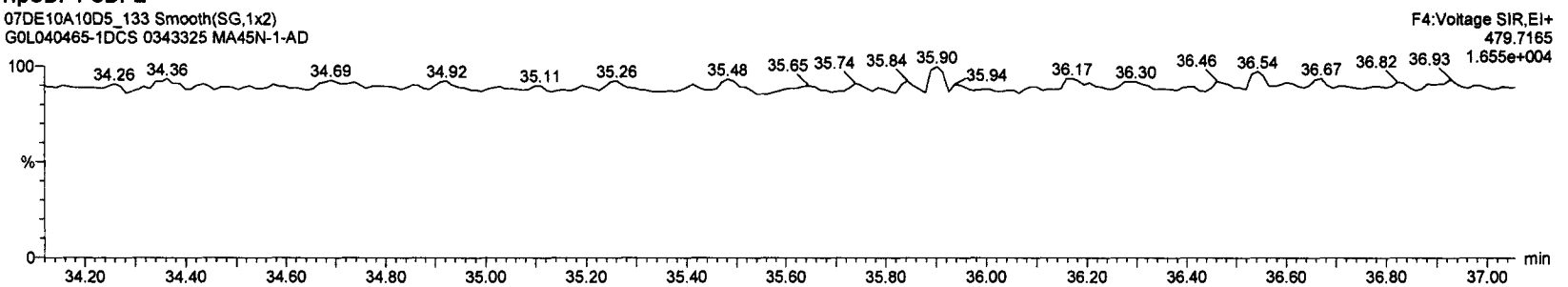
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

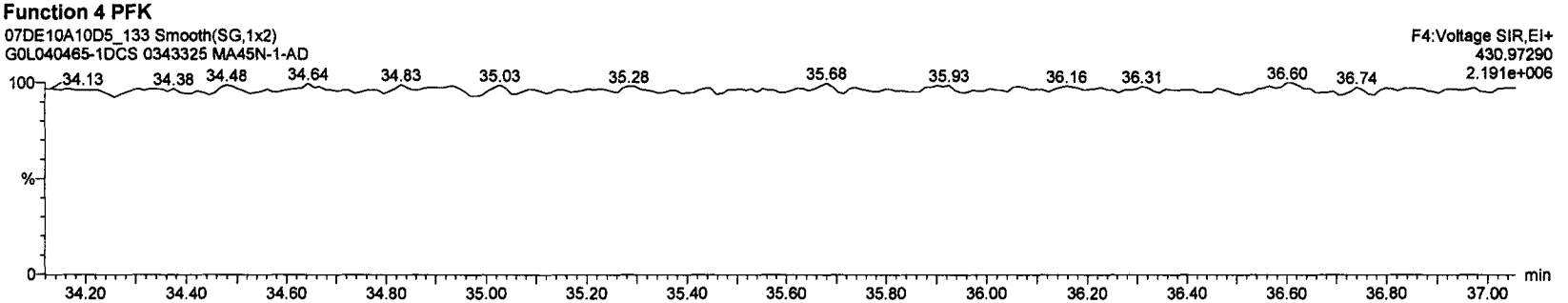
HpCDFs



HpCDF PCDPE



Function 4 PFK



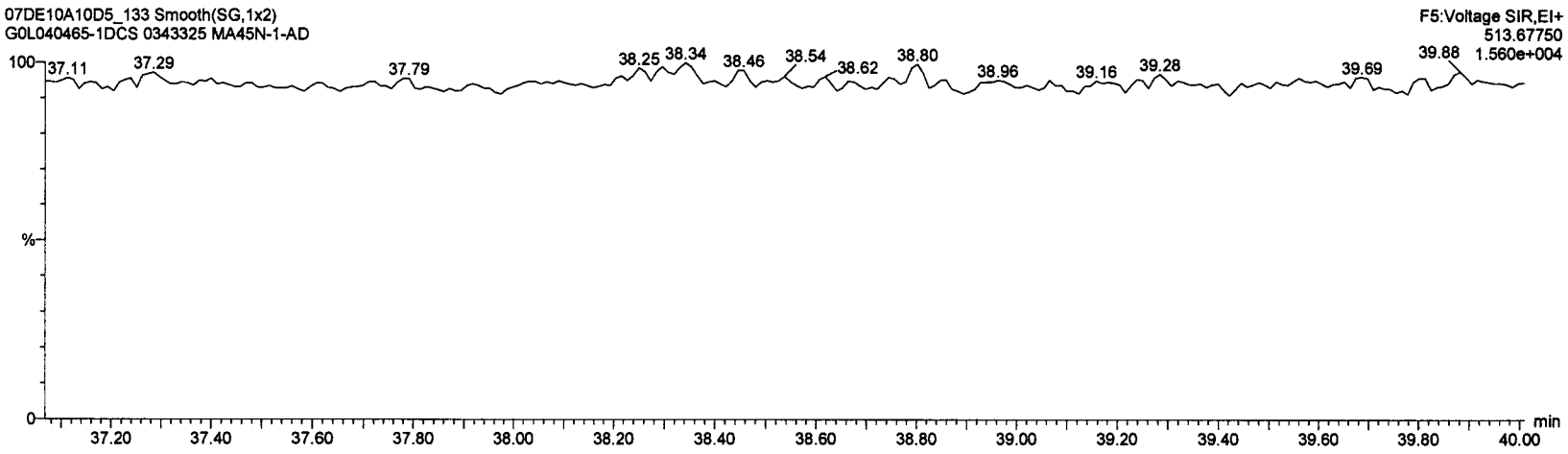
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

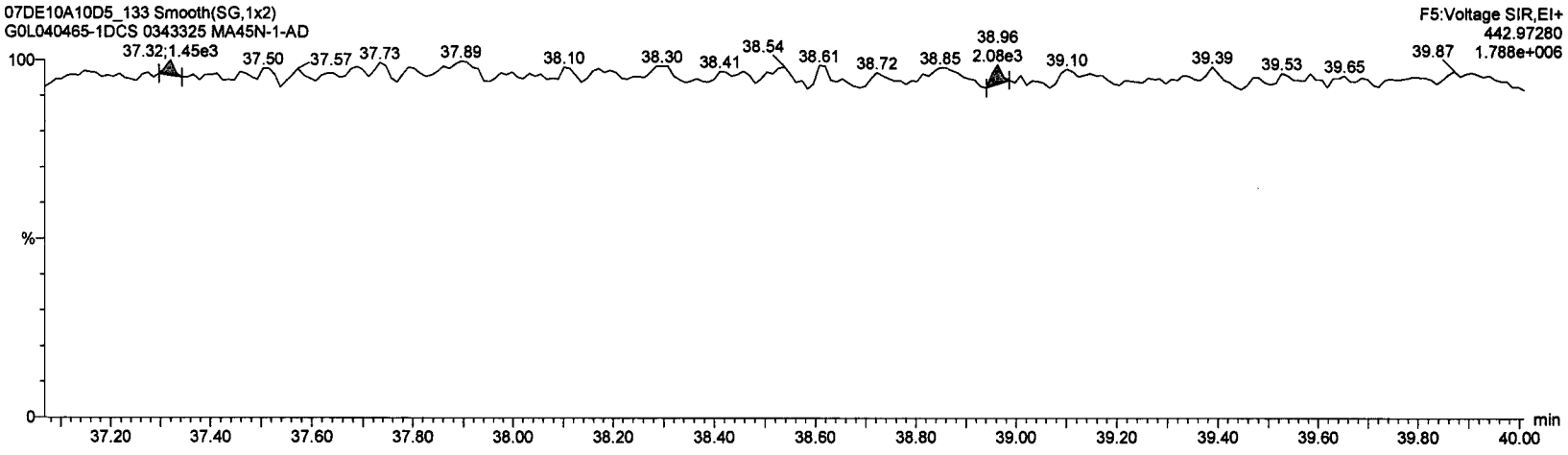
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_133, Date: 11-Dec-2010, Time: 21:12:16, ID: MA45N-1-AD, Description: G0L040465-1DCS 0343325

OCDF PCDPE



Function 5 PFK



Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:39:02 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:39:17 Pacific Standard Time

DS 12-15-10

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

#	Name	Quan Trace	Sample Size	RT	Pred.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ra	Flag	Mod.Date
1	13C-1,2,3,4-TCDD	331.9368	0.50000	19.90	19.87	1.000	410747.22	4000.0000	4000.0000	100.0	4.7521	0.792	0.770		NO	
2																
3	13C-2,3,7,8-TCDF	315.9419	0.50000	19.28	19.10	1.312	497613.09	3693.4692	3693.4692	92.3	3.1661	0.780	0.770		NO	
4	2,3,7,8-TCDF	303.9016	0.50000	19.31	19.28	0.998	1249.52	10.0677	10.0677 J		1.0760	0.786	0.770		NO	
5	Total TCDFs	303.9016	0.50000		21.44	0.998		43.8719	~~41.7121~~ 41.276		1.0760					
6																
7	13C-2,3,7,8-TCDD	331.9368	0.50000	20.11	20.11	0.909	362692.08	3883.9713	3883.9713	97.1	5.2256	0.772	0.770		NO	
8	2,3,7,8-TCDD	319.8965	0.50000		20.11	1.035			ND		1.4788		0.770			
9	Total TCDDs	319.8965	0.50000		22.69	1.035		2.5760	~~1.9428~~		~~1.4788~~ 1.4868					
10																
11	37CL-2,3,7,8-TCDD	327.8847	0.50000		20.11	0.655					2.8289	→ see next page				
12																
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	25.21	25.13	1.024	360916.88	3433.0883	3433.0883	85.8	4.9528	1.564	1.550		NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	25.21	25.21	1.092	373.15	3.7884	~~0.9449~~		2.7815	9.224	1.550		YES	
15	2,3,4,7,8-PeCDF	339.8597	0.50000	26.79	26.74	1.064	281.34	2.9302	~~1.0220~~		2.8534	6.311	1.550		YES	
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.078		27.2312	~~21.581~~ 15.219		2.8170					
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.078		5.8404	~~5.0260~~ 4.4368		1.8466					
18								19.8087								
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	27.65	27.50	0.734	258091.09	3422.1256	3422.1256	85.6	3.3778	1.588	1.550		NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000	28.04	27.65	0.960	16.74	0.2701	~~0.2819~~		2.7564	1.092	1.550		YES	
21	Total PeCDDs	355.8546	0.50000		31.10	0.960		2.1564	~~1.7226~~		2.7564					
22																
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	33.37	33.27	1.000	262795.71	4000.0000	4000.0000	100.0	5.3040	1.187	1.240		NO	
24																
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	32.27	32.23	1.049	264967.64	3843.1630	3843.1630	96.1	7.8021	0.535	0.510		NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	32.28	32.27	1.313	1230.12	14.1476	14.1476 J		0.9478	1.204	1.240		NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	32.40	32.39	1.438	792.16	8.3161	7.3345 J,Q		0.8651	1.540	1.240		YES	
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.91	32.93	1.352	383.09	4.2765	3.1364 BL		~~0.9199~~	2.054	1.240		YES	15-Dec-10
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	33.55	33.57	1.198	171.15	2.1576	2.1576 J		1.0388	1.057	1.240		NO	
30	Total HxCDFs	373.8208	0.50000		0.00	1.325		63.3926	~~57.6108~~ 52.816		0.9388					

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:39:02 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:39:17 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

#	Name	Quan Trace	Sample Size	RT	Pred.RT	RRF	M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ra	Flag	Mod.Date
31																	
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	33.12	33.10	0.905		237834.98	4002.1901	4002.1901	100.1	5.8639	1.242	1.240		NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	33.05	33.05	0.982		98.47	1.6872	1.3001	J,Q	1.0488	0.744	1.240		YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	33.10	33.12	1.094		116.12	1.7847	0.9688	J,Q	0.9407	0.430	1.240		YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	33.39	33.39	1.058		231.95	3.6877	3.0383	J,Q	0.9731	0.839	1.240		YES	
36	Total HxCDDs	389.8157	0.50000		0.00	1.045			16.9446	~~14.0701~~ 15.1013		0.9855					
37										12.4284 12/12/2010 MW							
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.91	34.91	0.954		237100.40	3783.2829	3783.2829	94.6	8.0841	0.454	0.440		NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.91	34.91	1.463		3230.83	37.2612	31.4204	J,Q	1.0620	1.419	1.040		YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	36.09	36.08	1.231		805.98	11.0475	10.0582	J,Q	1.2622	0.866	1.040		YES	
41	Total HpCDFs	407.7818	0.50000		0.00	1.347			67.2233	~~59.3762~~ 59.0278		1.1535					
42																	
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.74	35.75	0.848		207535.13	3723.5090	3723.5090	93.1	6.7191	1.081	1.040		NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.75	35.74	1.055		749.99	13.7078	12.5005	J,Q	1.3305	1.237	1.040		YES	
45	Total HpCDDs	423.7766	0.50000		0.09	1.055			30.3606	29.1533		1.3305					
46																	
47	13C-OCDD	469.7779	0.50000	38.31	38.35	0.675		313295.69	7068.4065	7068.4065	88.4	8.3259	0.910	0.890		NO	
48	OCDF	441.7428	0.50000	38.44	38.43	1.486		5141.04	88.3362	88.3362	J	1.5262	0.850	0.890		NO	
49	OCDD	457.7377	0.50000	38.33	38.31	1.146		2372.02	52.8445	52.8445	J	1.5371	0.925	0.890		NO	
50																	
51																	
52	Function 1 PFK	330.97920	1.00000		38.25												
53	Function 2 PFK	342.97920	1.00000		38.25												
54	Function 3 PFK	380.97600	1.00000		38.25												
55	Function 4 PFK	430.97290	1.00000		38.25												
56	Function 5 PFK	442.97280	1.00000		0.00												
57	TCDF PCDPE	375.8364	1.00000		38.25												
58	F1 PeCDF PCDPE	409.79740	1.00000		38.25												
59	F2 PeCDF PCDPE	409.79740	1.00000		38.25												
60	HXCDF PCDPE	445.7555	1.00000		38.25												
61	HPCDF PCDPE	479.7165	1.00000		38.25												
62	OCDF PCDPE	513.67750	1.00000		0.00												

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:26:28 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325, Task:

12-15-10

#	Name	Trace	Sample Size	RT	Prd RT	RRT Mr.	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	19.90	19.89	1.00000	410747.22	4000.0000	4000.0000	100.0	4.75206	0.79	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.28	19.26	1.31203	497613.09	3693.4692	3693.4692	92.3	3.16613	0.78	NO	
4	2,3,7,8-TCDF	303.9016	0.500	19.31	19.28	0.99766	1249.52	10.0677	10.0677		1.07597	0.79	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.99766		43.8719	41.7121		1.07597			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.11	20.12	0.90938	362692.08	3883.9713	3883.9713	97.1	5.22558	0.77	NO	
8	2,3,7,8-TCDD	319.8965	0.500		20.13	1.03464					1.47877		NO	
9	Total TCDDs	319.8965	0.500		22.69	1.03464		2.5760	1.9428		1.47877			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500	20.12	20.11	0.65529	94827.17	1595.9477	0.0000	99.7	2.82888			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.21	24.95	1.02378	360916.88	3433.0883	3433.0883	85.8	4.95280	1.56	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	25.21	25.21	1.09163	373.15	3.7884	0.9449		2.78146	9.22	YES	
15	2,3,4,7,8-PeCDF	339.8597	0.500	26.79	26.74	1.06412	281.34	2.9302	1.0220		2.85338	6.31	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787		23.3539	15.9013		2.81696			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787		5.0324	3.0668		1.84661			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.64	27.32	0.73445	258091.09	3422.1256	3422.1256	85.6	3.37784	1.59	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500	28.04	27.64	0.96030	16.74	0.2701	0.2319		2.75638	1.09	YES	
21	Total PeCDDs	355.8546	0.500		31.10	0.96030		2.1564	1.7226		2.75638			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.37	33.27	1.00000	262795.71	4000.0000	4000.0000	100.0	5.30405	1.19	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.27	32.23	1.04941	264967.64	3843.1630	3843.1630	96.1	7.80214	0.54	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	32.28	32.27	1.31260	1230.12	14.1476	14.1476		0.94776	1.20	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	32.40	32.39	1.43801	792.16	8.3161	7.3345		0.86511	1.54	YES	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.91	32.93	1.35233	436.87	4.8768	3.1364		0.91992	2.48	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.55	33.57	1.19752	171.15	2.1576	2.1576		1.03885	1.06	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.32511		63.3536	57.7262		0.93881			
31														
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.12	33.10	0.90452	237834.98	4002.1901	4002.1901	100.1	5.86392	1.24	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.05	33.05	0.98150	98.47	1.6872	1.3001		1.04875	0.74	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	33.15	33.12	1.09425	140.47	2.1590	1.6450		0.94069	0.73	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.39	33.39	1.05784	231.95	3.6877	3.0383		0.97307	0.84	YES	

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:26:28 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36	Total HxCDDs	389.8157	0.500		0.00	1.04453		16.3196	12.4712		0.98547			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.91	34.91	0.95391	237100.40	3783.2829	3783.2829	94.6	8.08410	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.91	34.91	1.46280	3230.83	37.2612	31.4204		1.06200	1.42	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.09	36.08	1.23081	805.98	11.0475	10.0582		1.26217	0.87	YES	
41	Total HpCDFs	407.7818	0.500		0.00	1.34680		67.2233	59.3762		1.15346			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.74	35.75	0.84836	207535.13	3723.5090	3723.5090	93.1	6.71907	1.08	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.75	35.74	1.05453	749.99	13.7078	12.5005		1.33048	1.24	YES	
45	Total HpCDDs	423.7766	0.500		0.09	1.05453		30.3606	29.1533		1.33048			
46														
47	13C-OCDD	469.7779	0.500	38.31	38.35	0.67464	313295.69	7068.4065	7068.4065	88.4	8.32592	0.91	NO	
48	OCDF	441.7428	0.500	38.43	38.43	1.48610	5141.04	88.3362	88.3362		1.52623	0.85	NO	
49	OCDD	457.7377	0.500	38.33	38.31	1.14618	2372.02	52.8445	52.8445		1.53711	0.93	NO	
50														
51														
52	Function 1 PFK	330.97920	1.000		38.25									
53	Function 2 PFK	342.97920	1.000		38.25									
54	Function 3 PFK	380.97600	1.000		38.25									
55	Function 4 PFK	430.97290	1.000		38.25									
56	Function 5 PFK	442.97280	1.000		0.00									
57	TCDF PCDPE	375.8364	1.000		38.25									
58	F1 PeCDF PCDPE	409.79740	1.000		38.25									
59	F2 PeCDF PCDPE	409.79740	1.000		38.25									
60	HXCDF PCDPE	445.7555	1.000		38.25									
61	HPCDF PCDPE	479.7165	1.000		38.25									
62	OCDF PCDPE	513.67750	1.000		0.00									

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:29:50 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:30:23 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

Total TCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	5	Total TCDFs	303.9016	17.36	836.966	6.7436	6.7436	0.99766	1.0760	0.826	0.770	NO	18.665
2	5	Total TCDFs	303.9016	17.01	184.395	1.4857	1.1707	0.99766	1.0760	0.522	0.770	YES	5.973
3	5	Total TCDFs	303.9016	16.46	244.025	1.9662	1.9662	0.99766	1.0760	0.729	0.770	NO	5.113
4	5	Total TCDFs	303.9016	20.02	118.819	0.9574	0.4861	0.99766	1.0760	0.247	0.770	YES	4.212
5	4	2,3,7,8-TCDF	303.9016	19.31	1249.516	10.0677	10.0677	0.99766	1.0760	0.786	0.770	NO	16.811
6	5	Total TCDFs	303.9016	18.87	698.876	5.6310	5.6310	0.99766	1.0760	0.853	0.770	NO	13.615
7	5	Total TCDFs	303.9016	18.66	528.614	4.2592	3.9021	0.99766	1.0760	0.932	0.770	YES	8.193
8	5	Total TCDFs	303.9016	18.53	367.436	2.9605	2.9605	0.99766	1.0760	0.711	0.770	NO	6.989
9	5	Total TCDFs	303.9016	18.23	581.317	4.6838	4.6838	0.99766	1.0760	0.779	0.770	NO	9.943
10	5	Total TCDFs	303.9016	17.98	414.580	3.3404	2.9770	0.99766	1.0760	0.633	0.770	YES	11.464
11	5	Total TCDFs	303.9016	17.92	220.480	1.7765	1.1733	0.99766	1.0760	0.403	0.770	YES	6.569

Total TCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	9	Total TCDDs	319.8965	17.85	181.605	1.9358	1.4868	1.03464	1.4788	1.304	0.770	YES	5.353
2	9	Total TCDDs	319.8965	16.99	60.061	0.6402	0.4560	1.03464	1.4788	1.485	0.770	YES	2.655

Total F2 PeCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	1.	Total F2 PeCD...	339.8597	25.08	261.543	2.6892	2.6892	1.07787	2.8170	1.332	1.550	NO	3.460
2	1.	Total F2 PeCD...	339.8597	24.53	163.516	1.6813	1.3481	1.07787	2.8170	2.180	1.550	YES	2.779
3	1.	Total F2 PeCD...	339.8597	23.62	1490.143	15.3219	15.3219	1.07787	2.8170	1.759	1.550	NO	8.842
4	1.	2,3,4,7,8-PeCDF	339.8597	26.79	281.341	2.9302	1.0220	1.06412	2.8534	6.311	1.550	YES	1.911
5	1.	Total F2 PeCD...	339.8597	25.84	79.759	0.8201	0.2052	1.07787	2.8170	9.193	1.550	YES	0.958
6	1.	1,2,3,7,8-PeCDF	339.8597	25.21	373.151	3.7884	0.9449	1.09163	2.7815	9.224	1.550	YES	1.915

Total F1 PeCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	1.	Total F1 PeCD...	339.8597	21.79	436.365	4.4868	4.4868	1.07787	1.8466	1.494	1.550	NO	4.952
2	1.	Total F1 PeCD...	339.8597	16.99	131.651	1.3537	0.5393	1.07787	1.8466	0.319	1.550	YES	6.105

Total PeCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	2.	1,2,3,7,8-PeC...	355.8546	28.04	16.736	0.2701	0.2319	0.96030	2.7564	1.092	1.550	YES	1.480
2	2.	Total PeCDDs	355.8546	26.92	33.930	0.5476	0.1519	0.96030	2.7564	0.203	1.550	YES	5.007
3	2.	Total PeCDDs	355.8546	25.94	69.967	1.1292	1.1292	0.96030	2.7564	1.345	1.550	NO	3.273
4	2.	Total PeCDDs	355.8546	23.86	12.981	0.2095	0.2095	0.96030	2.7564	1.685	1.550	NO	1.320

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:39:02 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:39:17 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

Total HxCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	3.	Total HxCDFs	373.8208	31.04	641.000	7.3025	6.3823	1.32511	0.9388	1.563	1.240	YES	13.980
2	3.	Total HxCDFs	373.8208	33.62	151.566	1.7267	1.7267	1.32511	0.9388	1.102	1.240	NO	7.018
3	2.	1,2,3,7,8,9-Hx...	373.8208	33.55	171.150	2.1576	2.1576	1.19752	1.0388	1.057	1.240	NO	6.072
4	2.	2,3,4,6,7,8-Hx...	373.8208	32.91	383.090	4.2765	3.1364	1.35233	0.9199	2.054	1.240	YES	10.497
5	3.	Total HxCDFs	373.8208	32.89	211.828	2.4132	1.6584	1.32511	0.9388	2.259	1.240	YES	4.755
6	3.	Total HxCDFs	373.8208	32.48	275.449	3.1380	2.7894	1.32511	0.9388	1.520	1.240	YES	7.968
7	2.	1,2,3,6,7,8-Hx...	373.8208	32.40	792.164	8.3161	7.3345	1.43801	0.8651	1.540	1.240	YES	23.830
8	2.	1,2,3,4,7,8-Hx...	373.8208	32.28	1230.120	14.1476	14.1476	1.31260	0.9478	1.204	1.240	NO	35.444
9	3.	Total HxCDFs	373.8208	31.84	159.317	1.8150	1.8150	1.32511	0.9388	1.371	1.240	NO	5.148
10	3.	Total HxCDFs	373.8208	31.63	239.136	2.7243	2.7243	1.32511	0.9388	1.277	1.240	NO	7.950
11	3.	Total HxCDFs	373.8208	31.43	109.010	1.2419	0.9624	1.32511	0.9388	0.751	1.240	YES	5.470
12	3.	Total HxCDFs	373.8208	31.24	1240.592	14.1333	12.7762	1.32511	0.9388	1.002	1.240	YES	29.383

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1													

Total HxCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	3.	Total HxCDDs	389.8157	32.53	229.279	3.6917	3.1820	1.04453	0.9855	1.599	1.240	YES	9.850
2	3.	Total HxCDDs	389.8157	32.28	244.650	3.9392	3.9392	1.04453	0.9855	1.261	1.240	NO	8.153
3	3.	Total HxCDDs	389.8157	31.77	133.782	2.1541	1.6417	1.04453	0.9855	1.939	1.240	YES	6.045
4	3.	1,2,3,7,8,9-Hx...	389.8157	33.39	231.949	3.6877	3.0383	1.05784	0.9731	0.839	1.240	YES	8.859
5	3.	1,2,3,6,7,8-Hx...	389.8157	33.10	116.117	1.7847	0.9688	1.09425	0.9407	0.430	1.240	YES	11.176
6	3.	1,2,3,4,7,8-Hx...	389.8157	33.05	98.466	1.6872	1.3001	0.98150	1.0488	0.744	1.240	YES	5.689

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1													

Total HpCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4.	1,2,3,4,7,8,9-H...	407.7818	36.09	805.983	11.0475	10.0582	1.23081	1.2622	0.866	1.040	YES	38.540
2	4.	Total HpCDFs	407.7818	35.97	42.335	0.5303	0.3464	1.34680	1.1535	2.105	1.040	YES	1.997
3	4.	Total HpCDFs	407.7818	35.24	834.696	10.4557	10.4557	1.34680	1.1535	1.036	1.040	NO	30.325
4	4.	Total HpCDFs	407.7818	35.11	632.953	7.9286	7.0935	1.34680	1.1535	0.839	1.040	YES	23.453
5	3.	1,2,3,4,6,7,8-H...	407.7818	34.91	3230.833	37.2612	31.4204	1.46280	1.0620	1.419	1.040	YES	97.010

Total HpCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4.	1,2,3,4,6,7,8-H...	423.7766	35.75	749.994	13.7078	12.5005	1.05453	1.3305	1.237	1.040	YES	24.825
2	4.	Total HpCDDs	423.7766	35.17	911.130	16.6529	16.6529	1.05453	1.3305	0.898	1.040	NO	38.165

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325, Task:

#	Name	Trace	Sample Size	RT	Pro RT	RRF	M	Area	Conc	EMPC	%RSD	EDL	Ratio	Ratio Fl	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	19.90	19.87	1.00000		410747.22	4000.0000	4000.0000	100.0	4.75206	0.79	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.28	19.10	1.31203		497613.09	3693.4692	3693.4690	92.3	3.16613	0.78	NO	
4	2,3,7,8-TCDF	303.9016	0.500	19.31	19.28	0.99766		1249.52	10.0677	10.0680		1.07597	0.79	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.99766			43.8719	41.7120		1.07597			
6															
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.11	20.11	0.90938		362692.08	3883.9713	3883.9710	97.1	5.22558	0.77	NO	
8	2,3,7,8-TCDD	319.8965	0.500		20.11	1.03464						1.47877		NO	
9	Total TCDDs	319.8965	0.500		22.69	1.03464			2.5760	1.9430		1.47877			
10															
11	37CL-2,3,7,8-TCDD	327.8847	0.500		20.11	0.65529						2.82888			
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.21	25.13	1.02378		360916.88	3433.0883	3433.0880	85.8	4.95280	1.56	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	25.21	25.21	1.09163		373.15	3.7884	0.9450		2.78146	9.22	YES	
15	2,3,4,7,8-PeCDF	339.8597	0.500	26.79	26.74	1.06412		281.34	2.9302	1.0220		2.85338	6.31	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787			23.3539	15.9010		2.81696			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787			5.0324	3.0670		1.84661			
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.65	27.50	0.73445		258091.09	3422.1256	3422.1260	85.6	3.37784	1.59	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500	28.04	27.65	0.96030		16.74	0.2701	0.2320		2.75638	1.09	YES	
21	Total PeCDDs	355.8546	0.500		31.10	0.96030			2.1564	1.7230		2.75638			
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.37	33.27	1.00000		262795.71	4000.0000	4000.0000	100.0	5.30405	1.19	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.27	32.23	1.04941		264967.64	3843.1630	3843.1630	96.1	7.80214	0.54	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	32.28	32.27	1.31260		1230.12	14.1476	14.1480		0.94776	1.20	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	32.40	32.39	1.43801		792.16	8.3161	7.3340		0.86511	1.54	YES	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.91	32.93	1.35233		436.87	4.8768	3.1360		0.91992	2.48	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.55	33.57	1.19752		171.15	2.1576	2.1580		1.03885	1.06	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.32511			63.3536	57.7260		0.93881			
31															
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.12	33.10	0.90452		237834.98	4002.1901	4002.1900	100.1	5.86392	1.24	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.05	33.05	0.98150		98.47	1.6872	1.3000		1.04875	0.74	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	33.15	33.12	1.09425		140.47	2.1590	1.6450		0.94069	0.73	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.39	33.39	1.05784		231.95	3.6877	3.0380		0.97307	0.84	YES	

Quantify Sample Summary Report   MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325, Task:

#	Name	Trace	Sample Size	RT	Pred.RT	RRF Mean	Area/Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Flag	Mod Date
36	Total HxCDDs	389.8157	0.500		0.00	1.04453		16.3196	12.4710		0.98547			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.91	34.91	0.95391	237100.40	3783.2829	3783.2830	94.6	8.08410	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.91	34.91	1.46280	3230.83	37.2612	31.4200		1.06200	1.42	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.09	36.08	1.23081	805.98	11.0475	10.0580		1.26217	0.87	YES	
41	Total HpCDFs	407.7818	0.500		0.00	1.34680		67.2233	59.3760		1.15346			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.74	35.75	0.84836	207535.13	3723.5090	3723.5090	93.1	6.71907	1.08	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.75	35.74	1.05453	749.99	13.7078	12.5000		1.33048	1.24	YES	
45	Total HpCDDs	423.7766	0.500		0.09	1.05453		30.3606	29.1530		1.33048			
46														
47	13C-OCDD	469.7779	0.500	38.31	38.35	0.67464	313295.69	7068.4065	7068.4070	88.4	8.32592	0.91	NO	
48	OCDF	441.7428	0.500	38.44	38.43	1.48610	5141.04	88.3362	88.3360		1.52623	0.85	NO	
49	OCDD	457.7377	0.500	38.33	38.31	1.14618	2372.02	52.8445	52.8440		1.53711	0.93	NO	
50														
51														
52	Function 1 PFK	330.97920	1.000		38.25									
53	Function 2 PFK	342.97920	1.000		38.25									
54	Function 3 PFK	380.97600	1.000		38.25									
55	Function 4 PFK	430.97290	1.000		38.25									
56	Function 5 PFK	442.97280	1.000		0.00									
57	TCDF PCDPE	375.8364	1.000		38.25									
58	F1 PeCDF PCDPE	409.79740	1.000		38.25									
59	F2 PeCDF PCDPE	409.79740	1.000		38.25									
60	HXCDF PCDPE	445.7555	1.000		38.25									
61	HPCDF PCDPE	479.7165	1.000		38.25									
62	OCDF PCDPE	513.67750	1.000		0.00									

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325, Task:

Total TCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N
1	5	Total TCDFs	303.9016	17.36	836.966	6.7436	6.7440	0.99766	1.0760	0.826	0.770	NO	18.665
2	5	Total TCDFs	303.9016	17.01	184.395	1.4857	1.1710	0.99766	1.0760	0.522	0.770	YES	5.973
3	5	Total TCDFs	303.9016	16.46	244.025	1.9662	1.9660	0.99766	1.0760	0.729	0.770	NO	5.113
4	5	Total TCDFs	303.9016	20.02	118.819	0.9574	0.4360	0.99766	1.0760	0.247	0.770	YES	4.212
5	4	2,3,7,8-TCDF	303.9016	19.31	1249.516	10.0677	10.0680	0.99766	1.0760	0.786	0.770	NO	16.811
6	5	Total TCDFs	303.9016	18.87	698.876	5.6310	5.6310	0.99766	1.0760	0.853	0.770	NO	13.615
7	5	Total TCDFs	303.9016	18.66	528.614	4.2592	3.9020	0.99766	1.0760	0.932	0.770	YES	8.193
8	5	Total TCDFs	303.9016	18.53	367.436	2.9605	2.9610	0.99766	1.0760	0.710	0.770	NO	6.989
9	5	Total TCDFs	303.9016	18.23	581.317	4.6838	4.6840	0.99766	1.0760	0.779	0.770	NO	9.943
10	5	Total TCDFs	303.9016	17.98	414.580	3.3404	2.9770	0.99766	1.0760	0.633	0.770	YES	11.464
11	5	Total TCDFs	303.9016	17.92	220.480	1.7765	1.1730	0.99766	1.0760	0.403	0.770	YES	6.569

Total TCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N
1	9	Total TCDDs	319.8965	17.85	181.605	1.9358	1.4870	1.03464	1.4788	1.304	0.770	YES	5.353
2	9	Total TCDDs	319.8965	16.99	60.061	0.6402	0.4560	1.03464	1.4788	1.485	0.770	YES	2.655

Total F2 PeCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N
1	16	Total F2 PeCD...	339.8597	25.08	261.543	2.6892	2.6890	1.07787	2.8170	1.332	1.550	NO	3.460
2	16	Total F2 PeCD...	339.8597	24.53	163.516	1.6813	1.3480	1.07787	2.8170	2.180	1.550	YES	2.779
3	16	Total F2 PeCD...	339.8597	23.63	1113.051	11.4446	9.6920	1.07787	2.8170	1.061	1.550	YES	8.842
4	15	2,3,4,7,8-PeCDF	339.8597	26.79	281.341	2.9302	1.0220	1.06412	2.8534	6.311	1.550	YES	1.911
5	16	Total F2 PeCD...	339.8597	25.84	79.759	0.8201	0.2050	1.07787	2.8170	9.193	1.550	YES	0.958
6	14	1,2,3,7,8-PeCDF	339.8597	25.21	373.151	3.7884	0.9450	1.09163	2.7815	9.224	1.550	YES	1.915

Total F1 PeCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N
1	17	Total F1 PeCD...	339.8597	21.79	357.783	3.6788	2.5280	1.07787	1.8466	2.711	1.550	YES	4.976
2	17	Total F1 PeCD...	339.8597	16.99	131.651	1.3537	0.5390	1.07787	1.8466	0.320	1.550	YES	6.105

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325, Task:

Total PeCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N
	20	1,2,3,7,8-PeC...	355.8546	28.04	16.736	0.2701	0.2320	0.96030	2.7564	1.092	1.550	YES	1.480
	21	Total PeCDDs	355.8546	26.92	33.930	0.5476	0.1520	0.96030	2.7564	0.203	1.550	YES	5.007
	21	Total PeCDDs	355.8546	25.94	69.967	1.1292	1.1290	0.96030	2.7564	1.345	1.550	NO	3.273
	21	Total PeCDDs	355.8546	23.86	12.981	0.2095	0.2100	0.96030	2.7564	1.685	1.550	NO	1.320

Total HxCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N
	30	Total HxCDFs	373.8208	31.04	641.000	7.3025	6.3820	1.32511	0.9388	1.563	1.240	YES	13.980
	30	Total HxCDFs	373.8208	33.62	151.566	1.7267	1.7270	1.32511	0.9388	1.102	1.240	NO	7.018
	29	1,2,3,7,8,9-Hx...	373.8208	33.55	171.150	2.1576	2.1580	1.19752	1.0388	1.057	1.240	NO	6.072
	28	2,3,4,6,7,8-Hx...	373.8208	32.91	436.866	4.8768	3.1360	1.35233	0.9199	2.483	1.240	YES	10.497
	30	Total HxCDFs	373.8208	32.85	155.705	1.7738	1.7740	1.32511	0.9388	1.396	1.240	NO	4.755
	30	Total HxCDFs	373.8208	32.48	275.449	3.1380	2.7890	1.32511	0.9388	1.520	1.240	YES	7.968
	27	1,2,3,6,7,8-Hx...	373.8208	32.40	792.164	8.3161	7.3340	1.43801	0.8651	1.540	1.240	YES	23.830
	26	1,2,3,4,7,8-Hx...	373.8208	32.28	1230.120	14.1476	14.1480	1.31260	0.9478	1.204	1.240	NO	35.444
	30	Total HxCDFs	373.8208	31.84	159.317	1.8150	1.8150	1.32511	0.9388	1.371	1.240	NO	5.148
	30	Total HxCDFs	373.8208	31.63	239.136	2.7243	2.7240	1.32511	0.9388	1.277	1.240	NO	7.950
	30	Total HxCDFs	373.8208	31.43	109.010	1.2419	0.9620	1.32511	0.9388	0.751	1.240	YES	5.470
	30	Total HxCDFs	373.8208	31.24	1240.592	14.1333	12.7760	1.32511	0.9388	1.002	1.240	YES	29.383

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N

Total HxCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	PRratio	Ratio Flag	S/N
	36	Total HxCDDs	389.8157	32.53	229.279	3.6917	3.1820	1.04453	0.9855	1.599	1.240	YES	9.850
	36	Total HxCDDs	389.8157	32.28	182.580	2.9398	1.6640	1.04453	0.9855	2.957	1.240	YES	7.041
	36	Total HxCDDs	389.8157	31.77	133.782	2.1541	1.6420	1.04453	0.9855	1.939	1.240	YES	6.045
	35	1,2,3,7,8,9-Hx...	389.8157	33.39	231.949	3.6877	3.0380	1.05784	0.9731	0.839	1.240	YES	8.859
	34	1,2,3,6,7,8-Hx...	389.8157	33.15	140.473	2.1590	1.6450	1.09425	0.9407	0.729	1.240	YES	11.176
	33	1,2,3,4,7,8-Hx...	389.8157	33.05	98.466	1.6872	1.3000	0.98150	1.0488	0.744	1.240	YES	5.689

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325, Task:

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	RRT	Ratio Flag	S/N

Total HpCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	RRT	Ratio Flag	S/N
1	40	1,2,3,4,7,8,9-H...	407.7818	36.09	805.983	11.0475	10.0580	1.23081	1.2622	0.866	1.040	YES	38.540
2	41	Total HpCDFs	407.7818	35.97	42.335	0.5303	0.3480	1.34680	1.1535	2.105	1.040	YES	1.997
3	41	Total HpCDFs	407.7818	35.24	834.696	10.4557	10.4560	1.34680	1.1535	1.036	1.040	NO	30.325
4	41	Total HpCDFs	407.7818	35.11	632.953	7.9286	7.0940	1.34680	1.1535	0.839	1.040	YES	23.453
5	39	1,2,3,4,6,7,8-H...	407.7818	34.91	3230.833	37.2612	31.4200	1.46280	1.0620	1.419	1.040	YES	97.010

Total HpCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	RRT	Ratio Flag	S/N
1	44	1,2,3,4,6,7,8-H...	423.7766	35.75	749.994	13.7078	12.5000	1.05453	1.3305	1.237	1.040	YES	24.825
2	45	Total HpCDDs	423.7766	35.17	911.130	16.6529	16.6530	1.05453	1.3305	0.898	1.040	NO	38.165

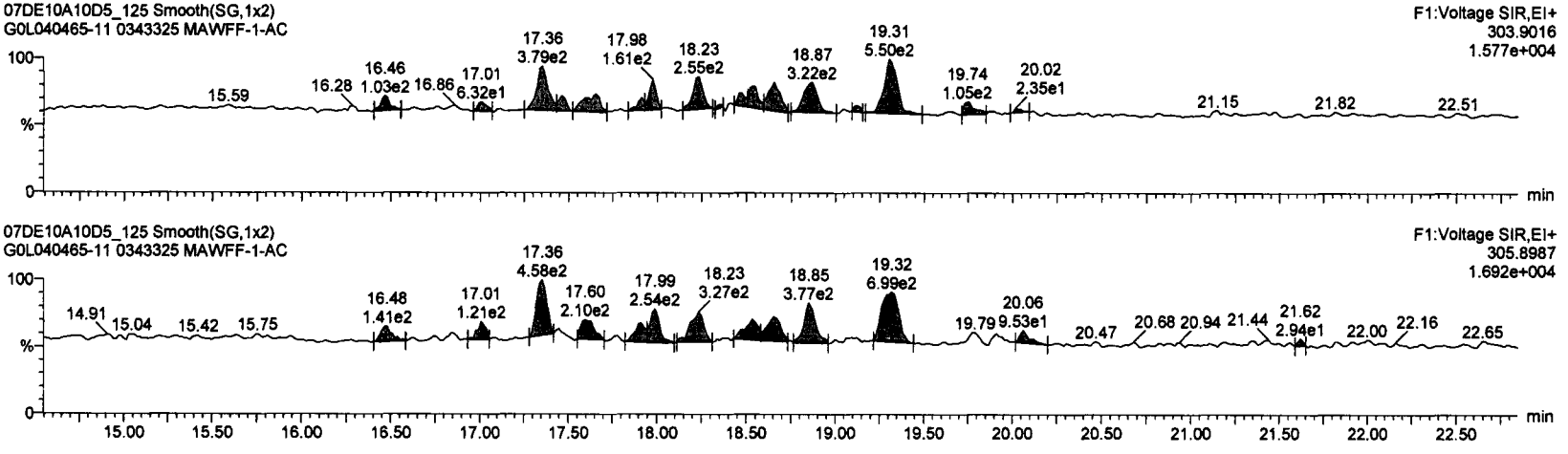
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

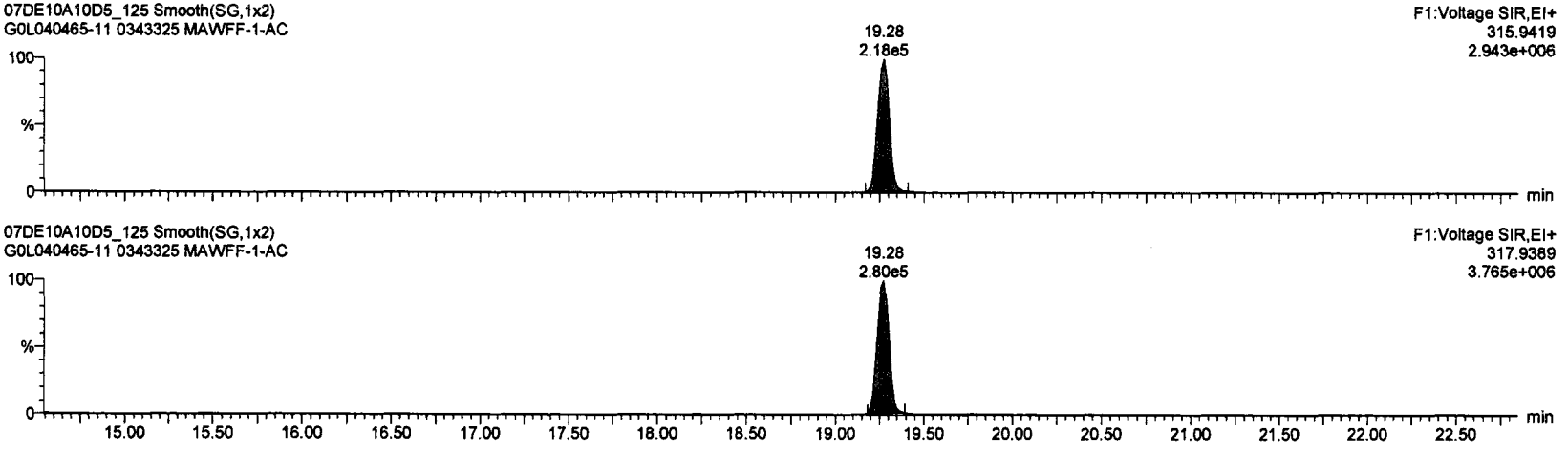
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

TCDFs



13C-TCDF



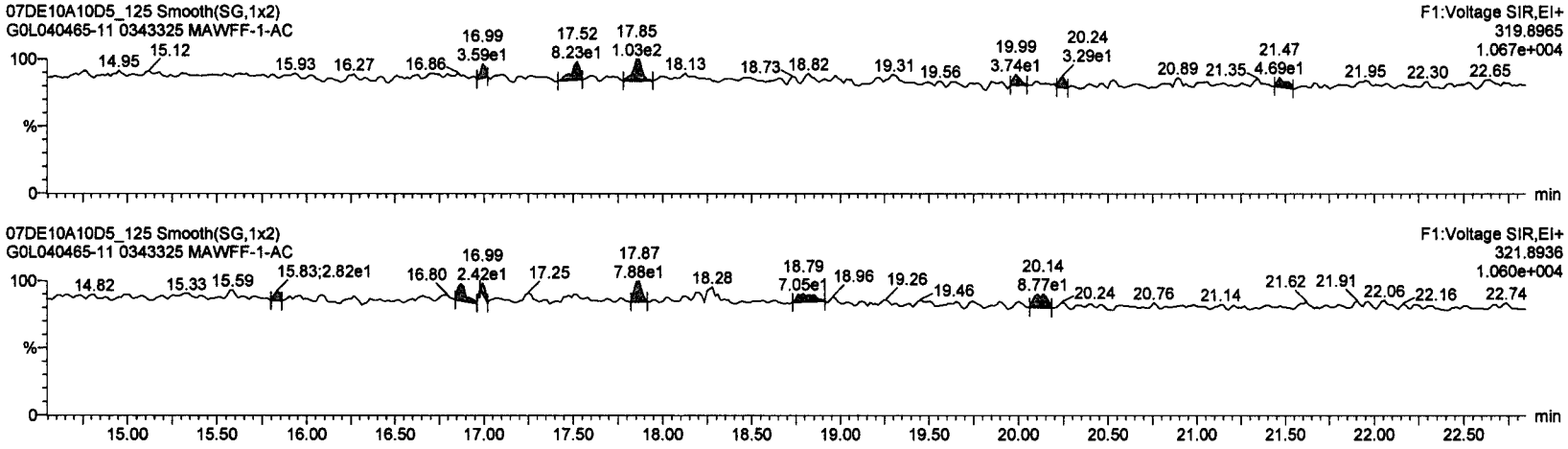
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

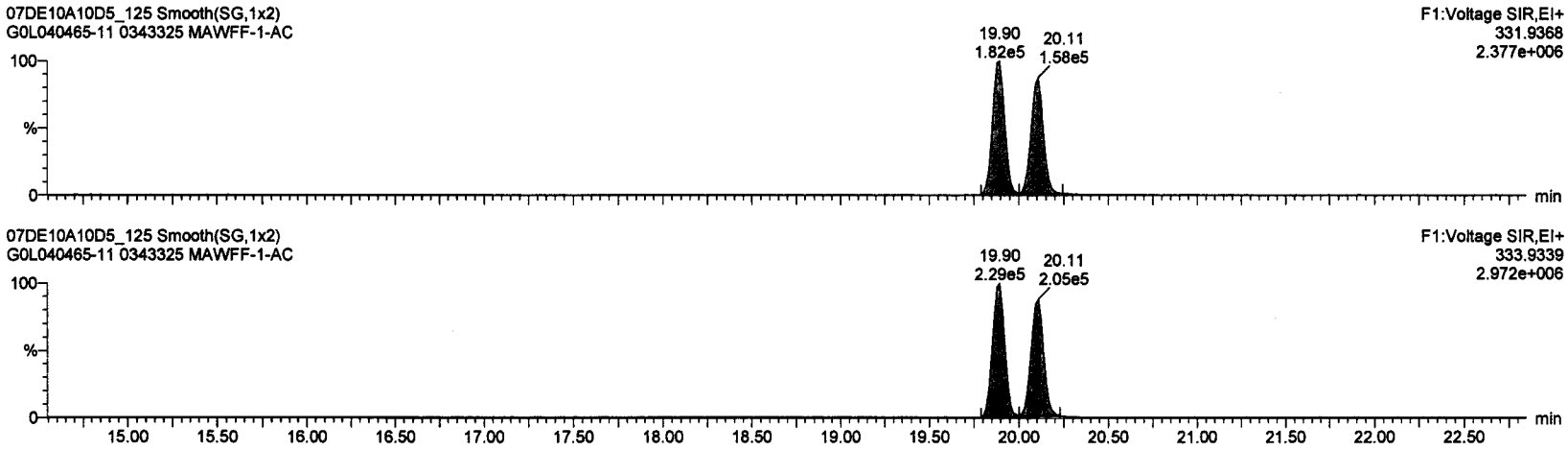
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

TCDDs



13C-TCDDs



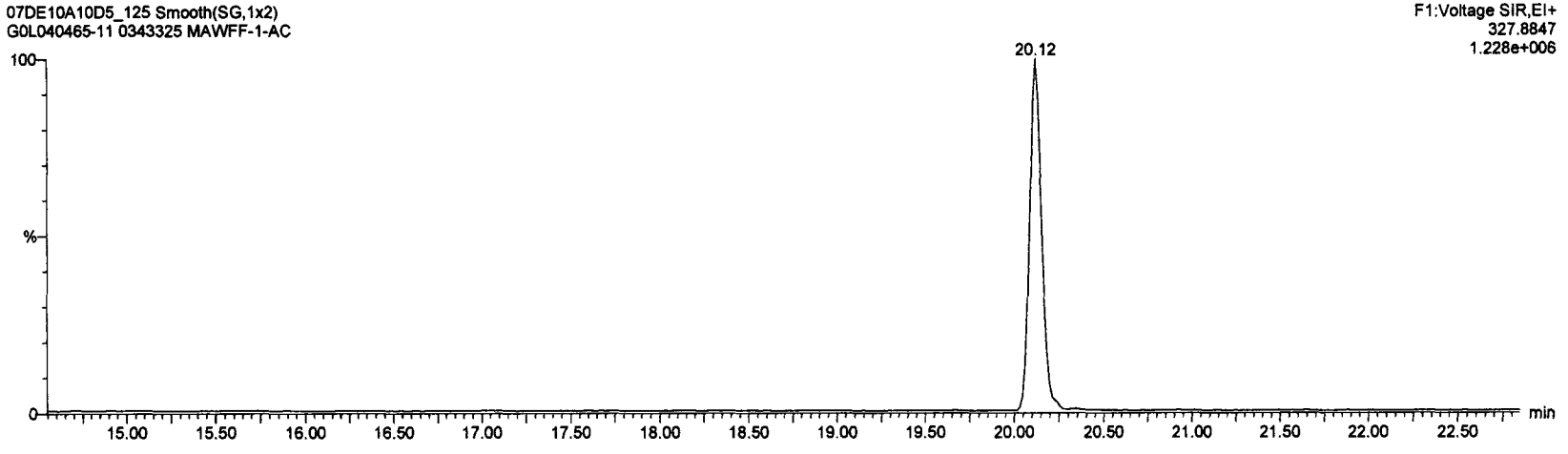
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

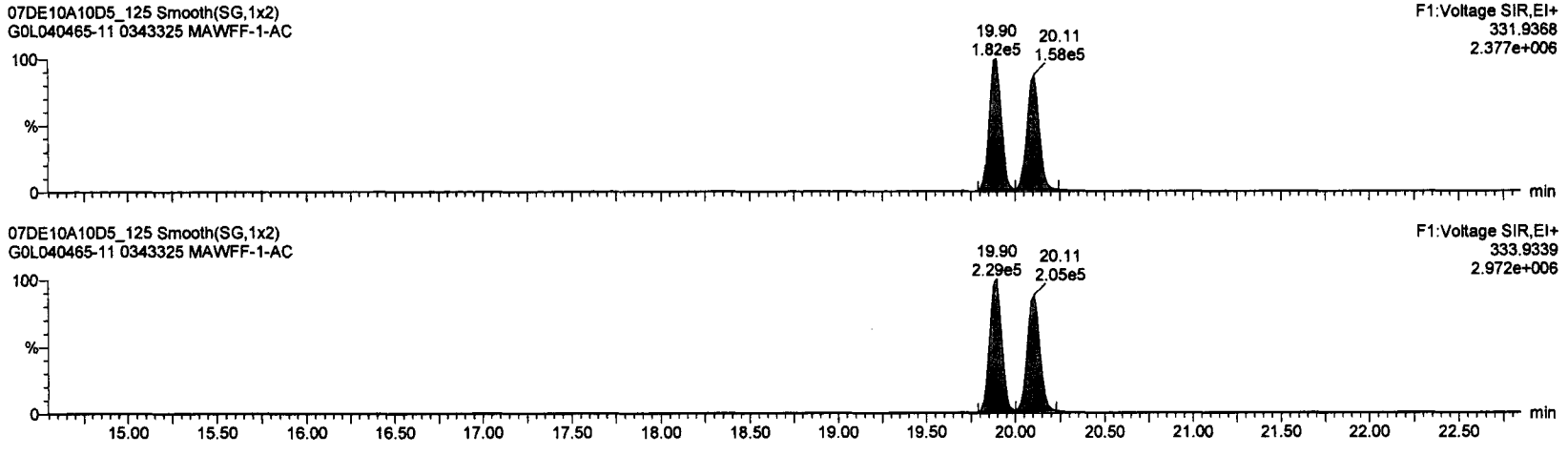
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

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



13C-TCDDs



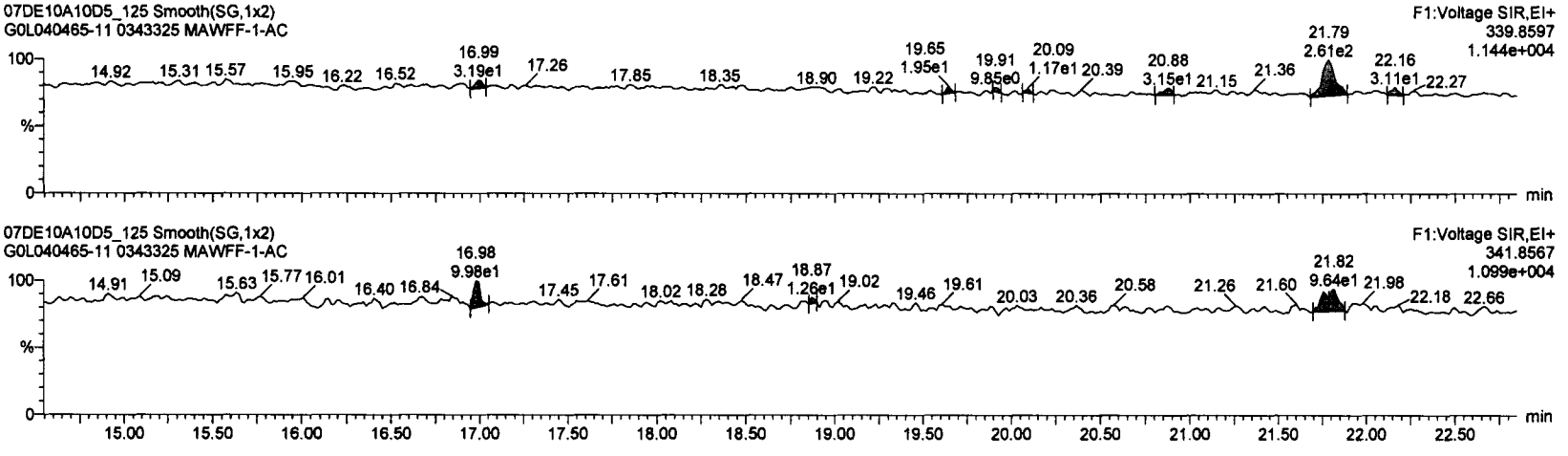
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

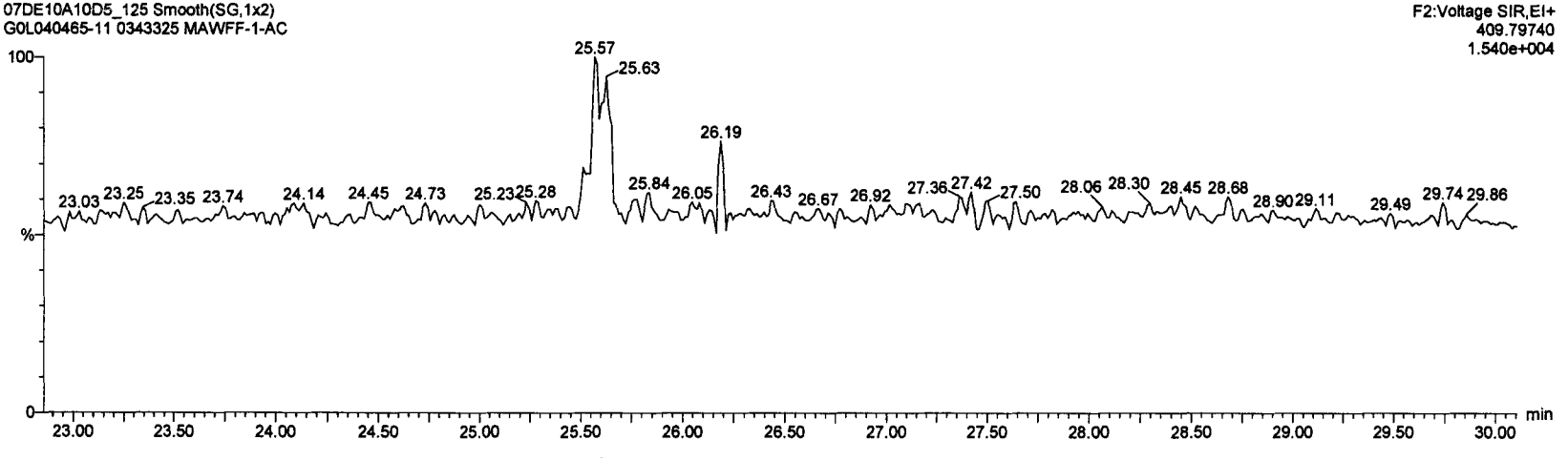
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

F1 PeCDFs



F1 PeCDF PCDPE



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

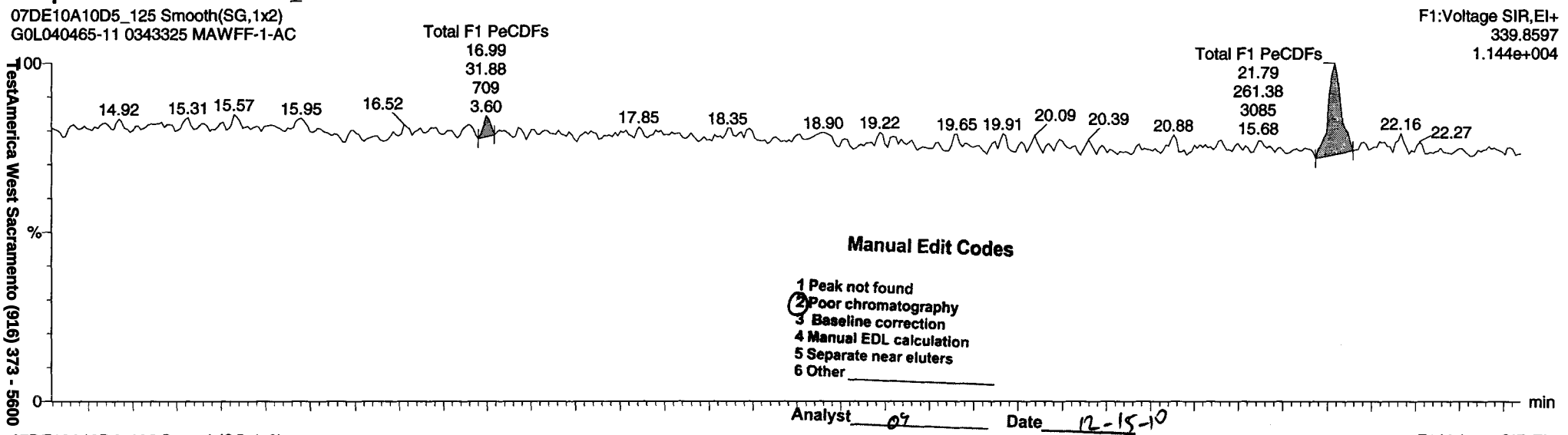
Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

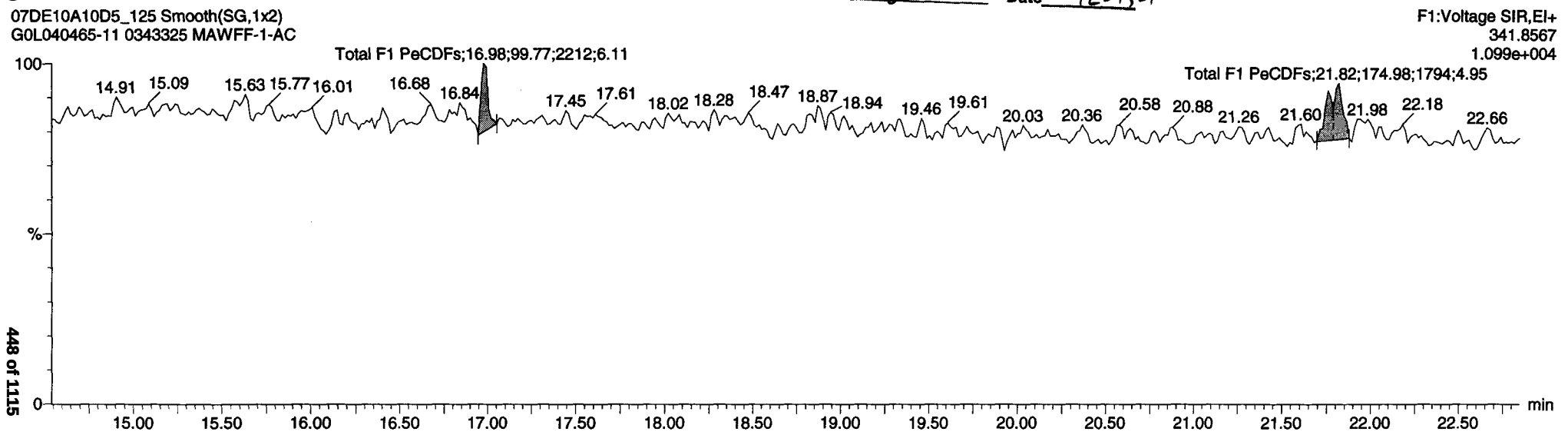
Last Altered: Wednesday, December 15, 2010 11:29:50 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:30:08 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\CA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Compound Name: Total F1 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 07DE10A10D5_125





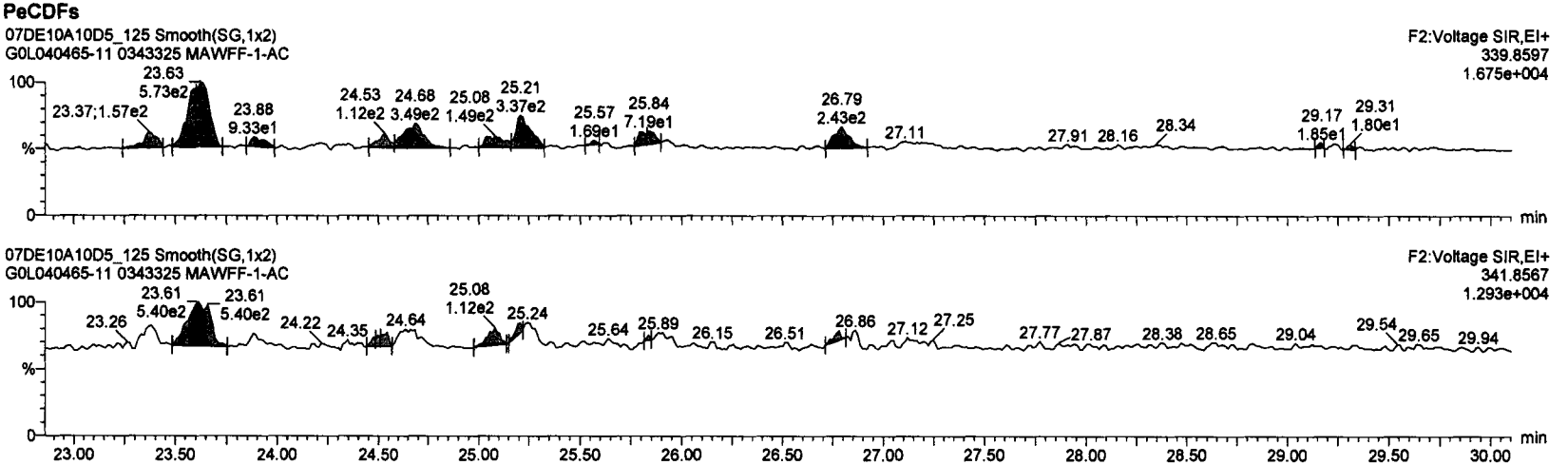
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

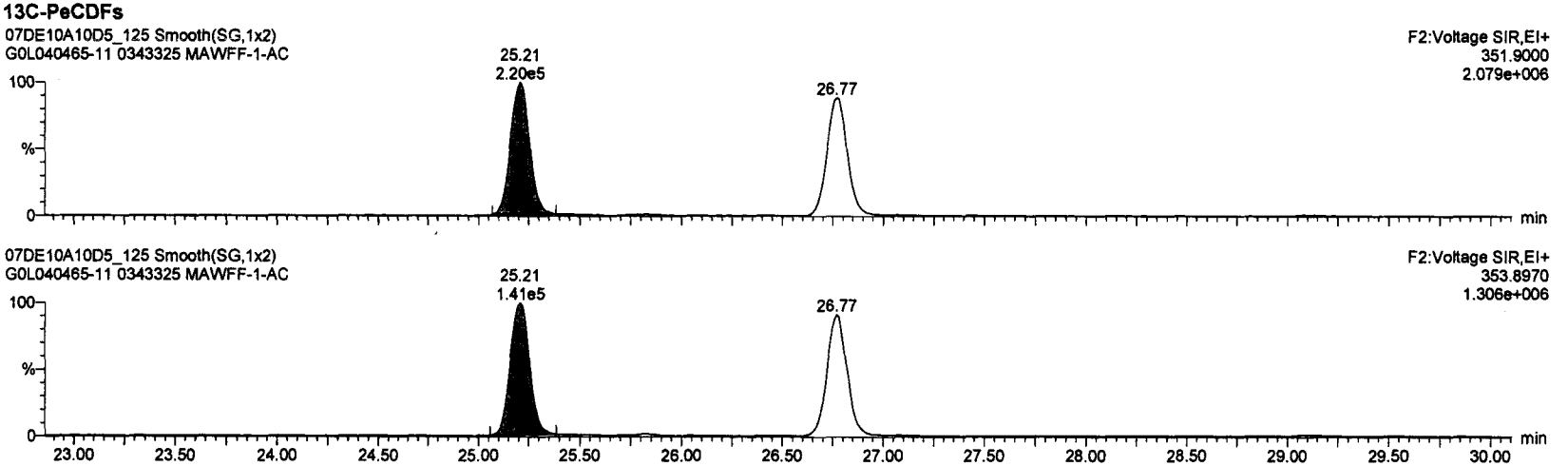
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

PeCDFs



13C-PeCDFs



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

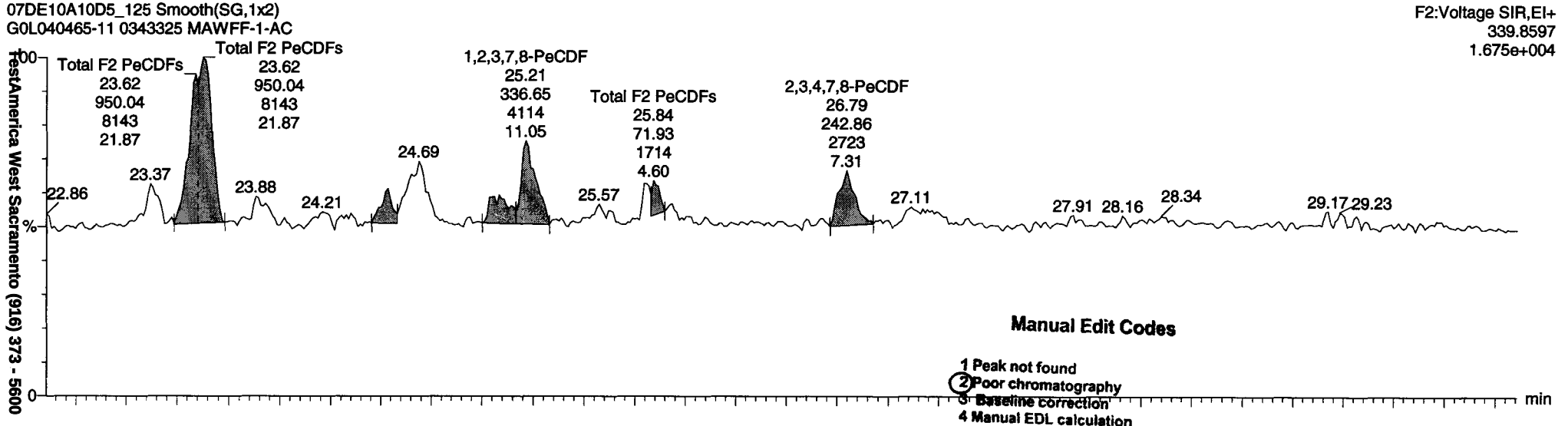
Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:19:10 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:21:11 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

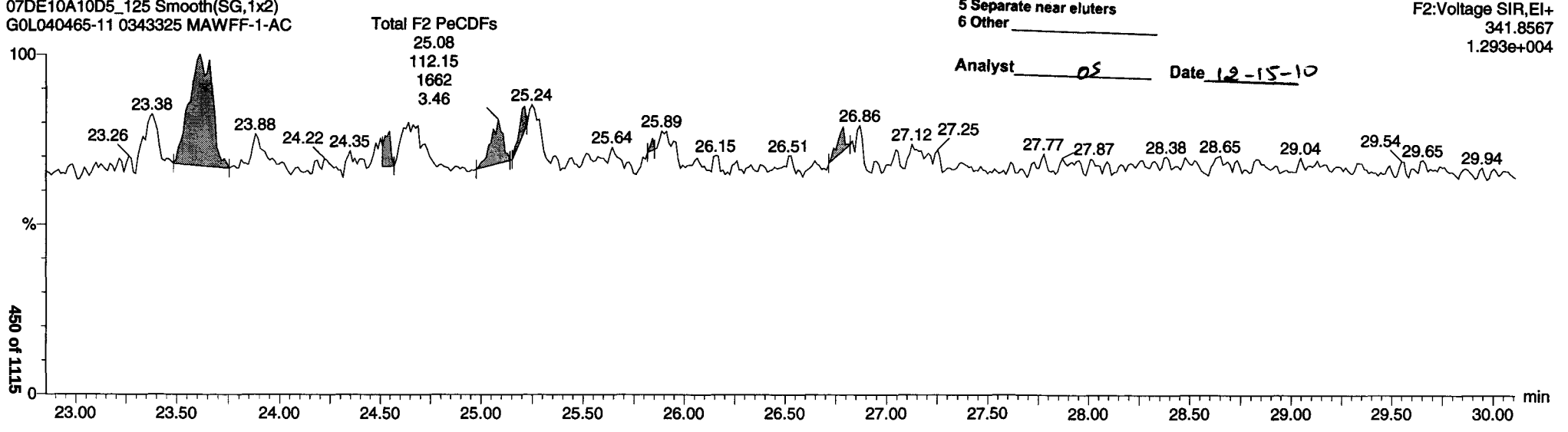
Sample Name: 07DE10A10D5_125



Manual Edit Codes

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

Analyst OS Date 12-15-10



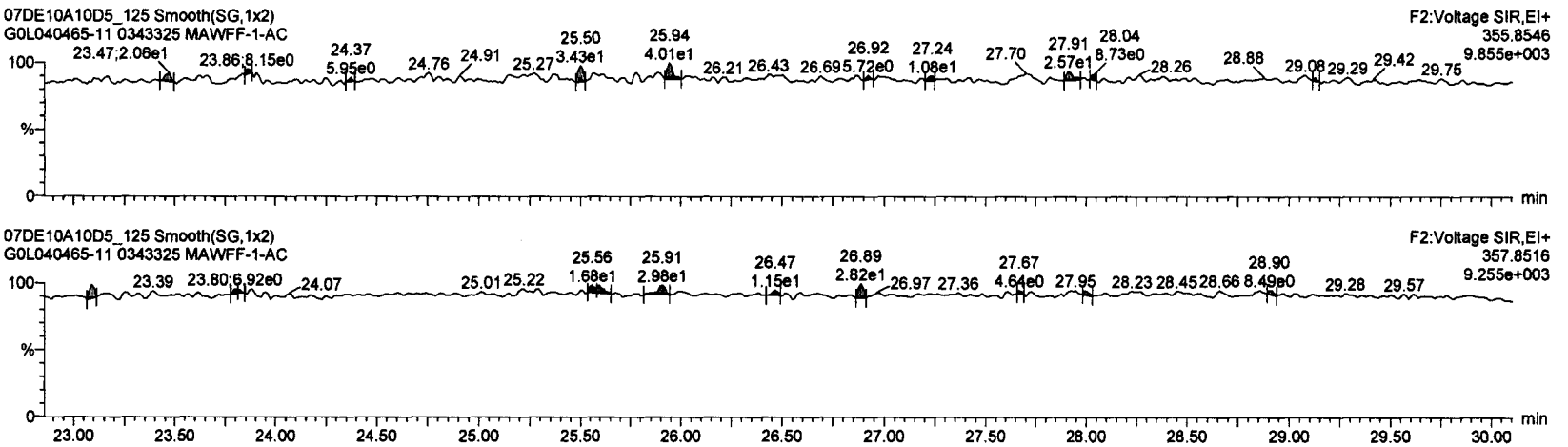
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

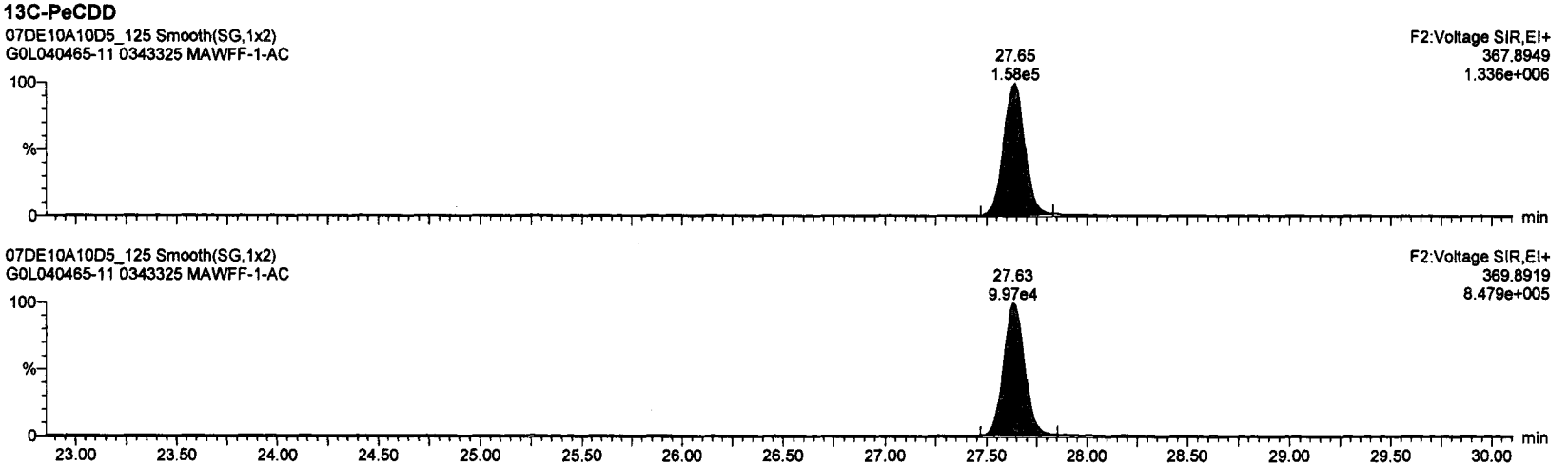
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

PeCDDs



13C-PeCDD



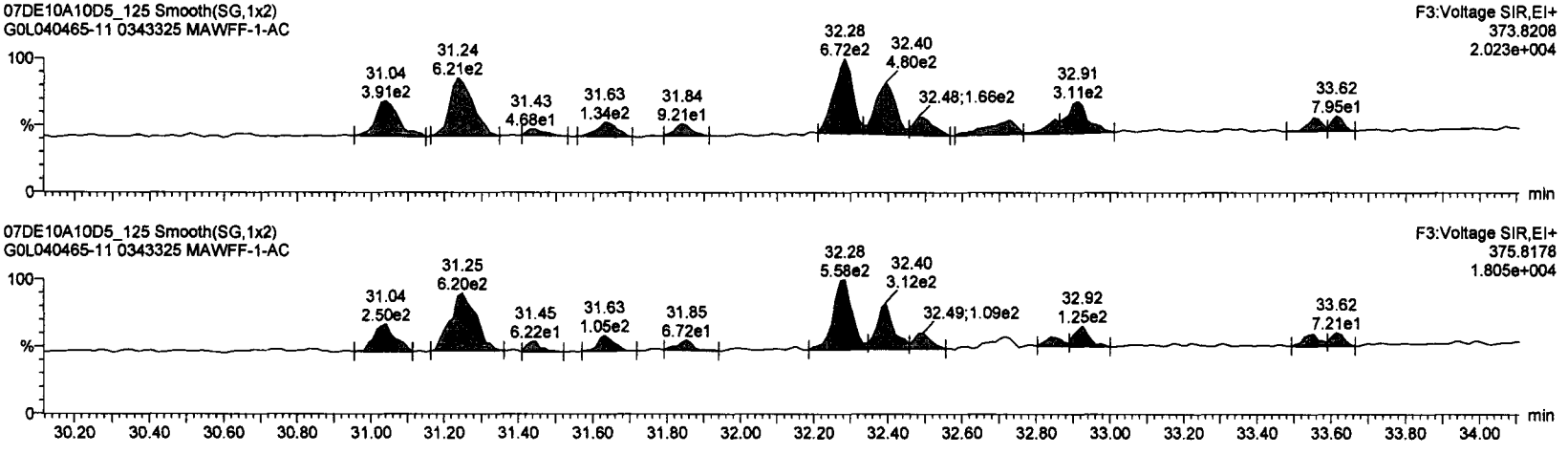
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

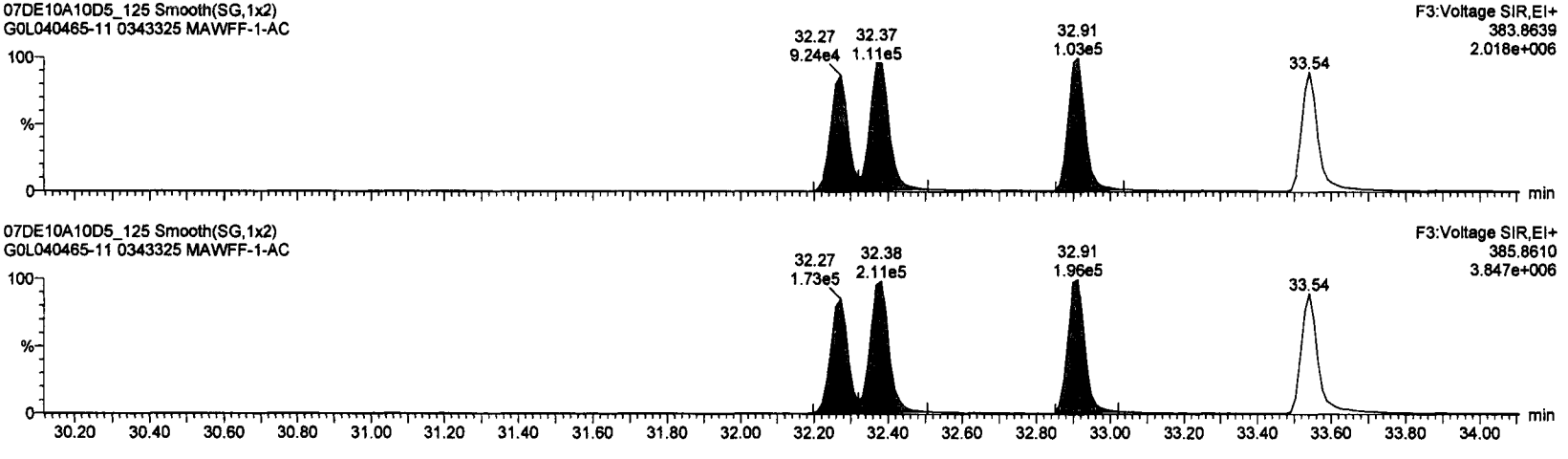
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

HxCDFs



13C-HxCDFs



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

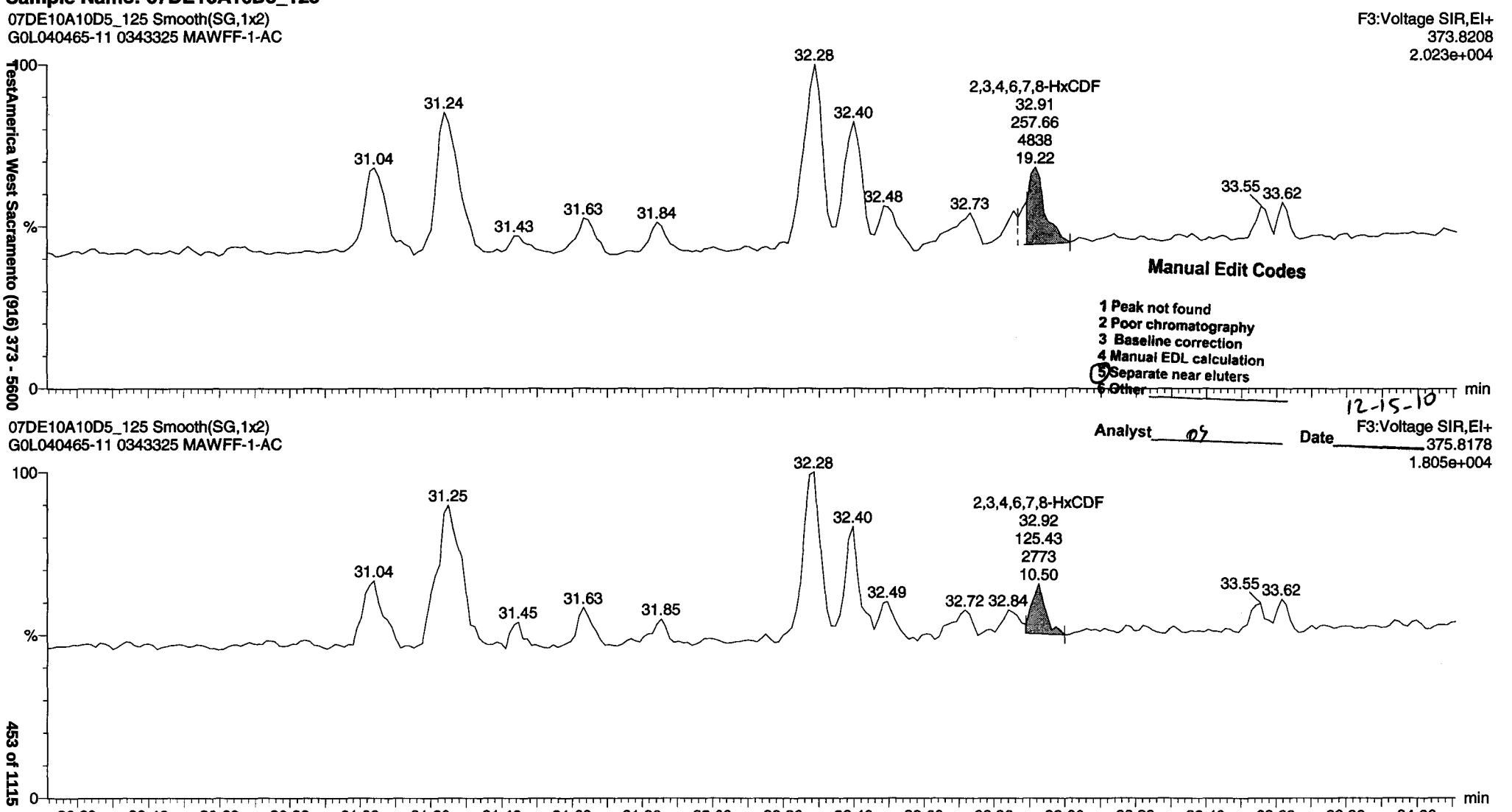
Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:39:02 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:39:49 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Compound Name: 2,3,4,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 07DE10A10D5_125



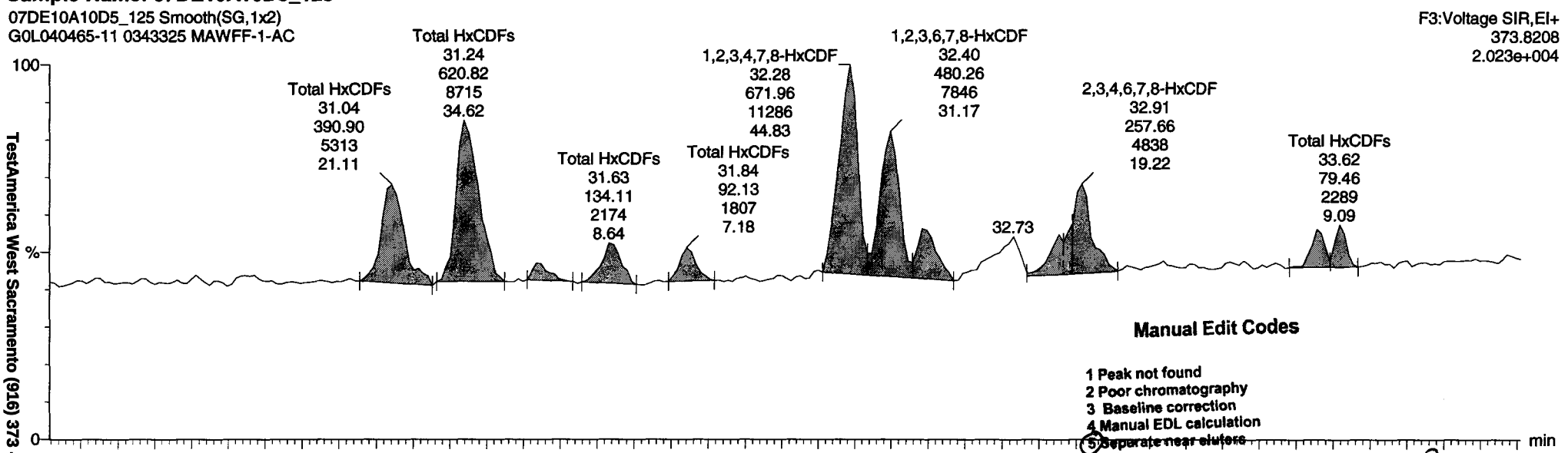
Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:39:02 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:39:49 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

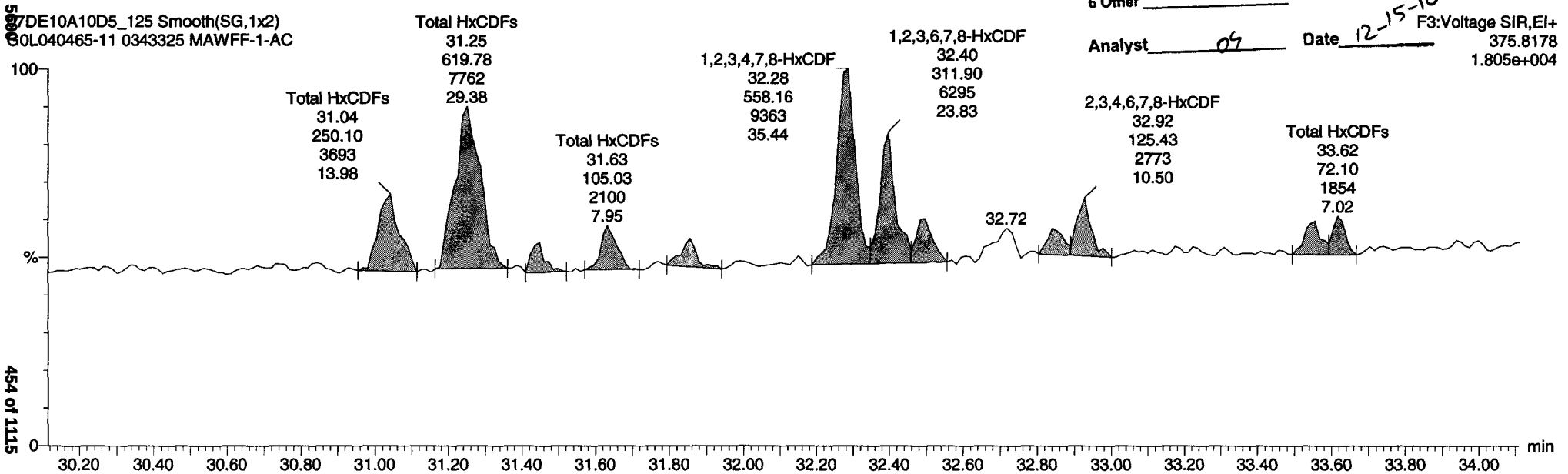
Sample Name: 07DE10A10D5_125



Manual Edit Codes

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

Analyst 05 Date 12-15-10



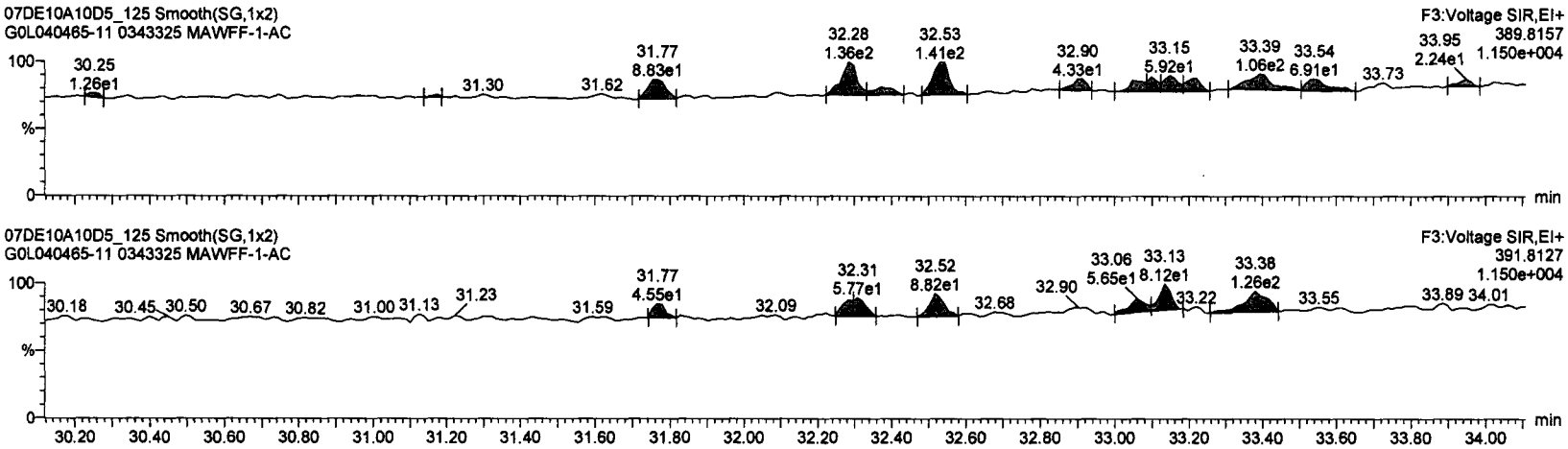
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

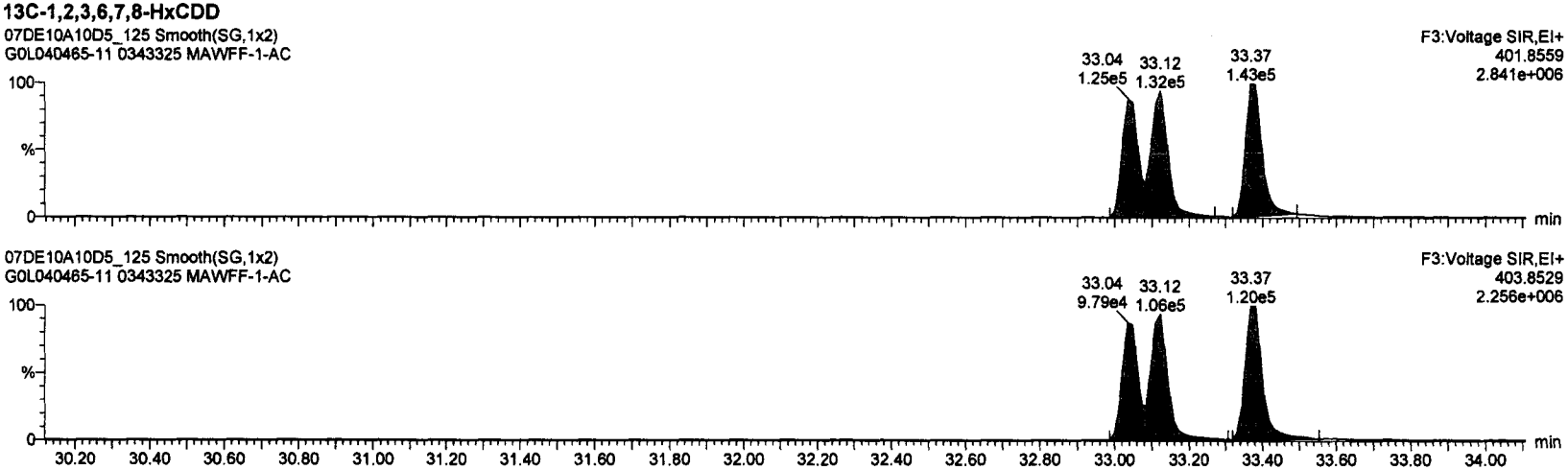
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

HxCDDs



13C-1,2,3,6,7,8-HxCDD

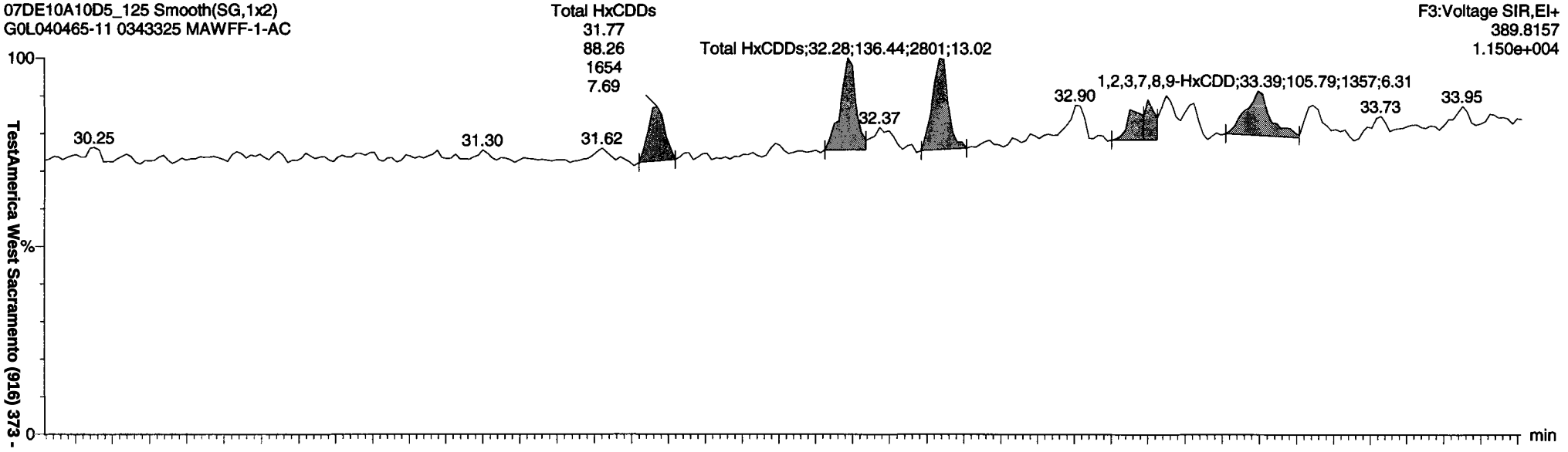


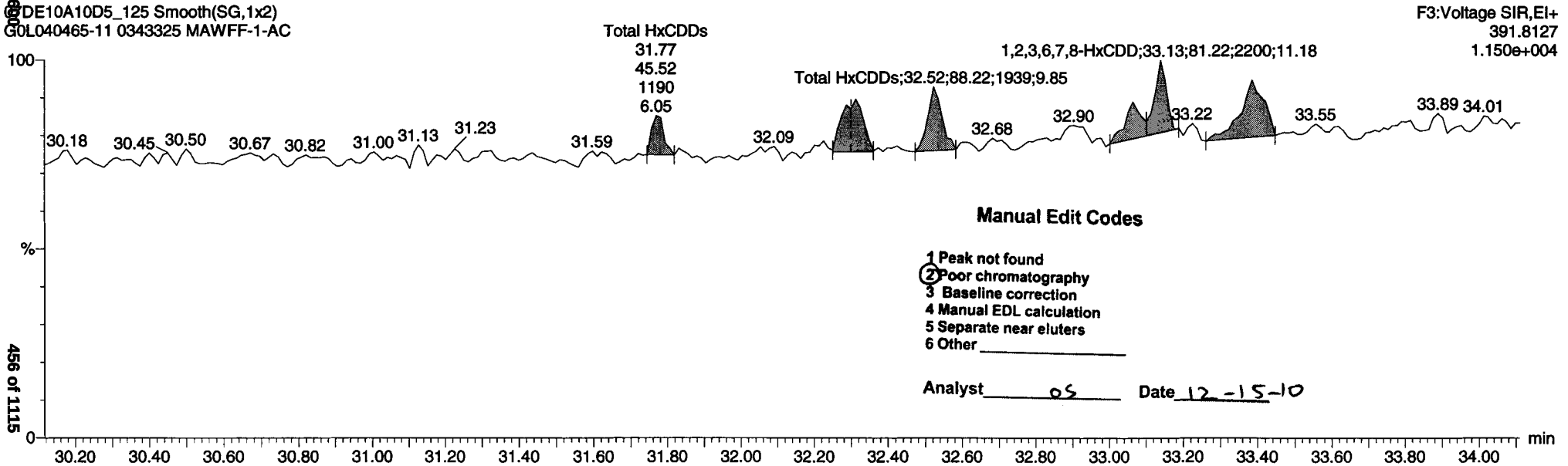
Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 11:19:10 Pacific Standard Time
Printed: Wednesday, December 15, 2010 11:21:11 Pacific Standard Time

Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 07DE10A10D5_125





Manual Edit Codes

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

Analyst OS Date 12-15-10

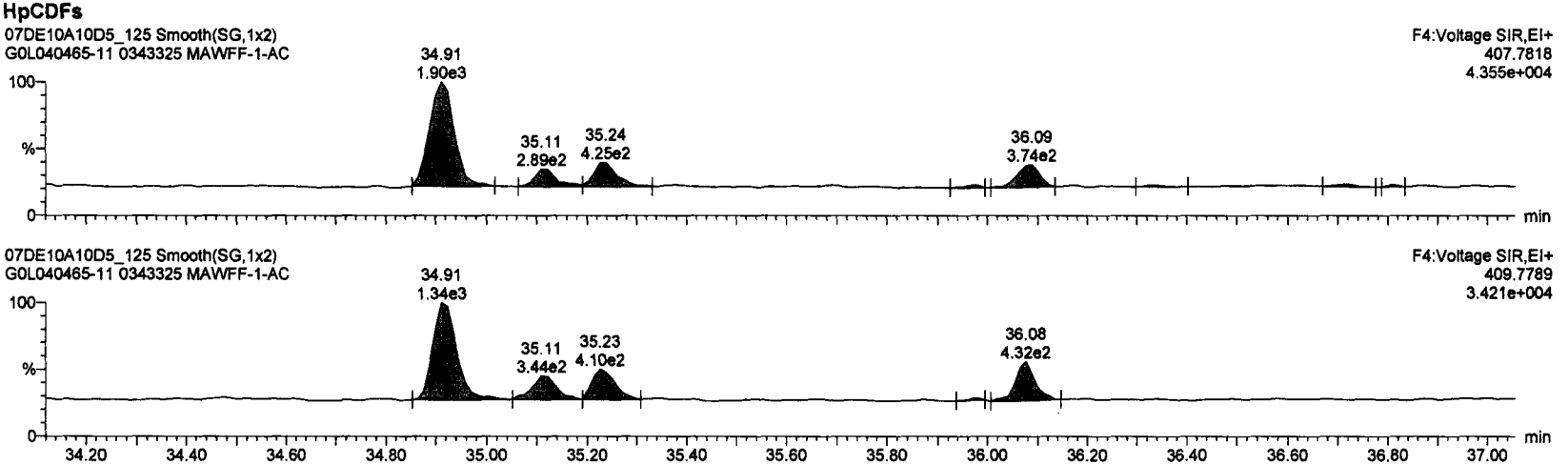
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

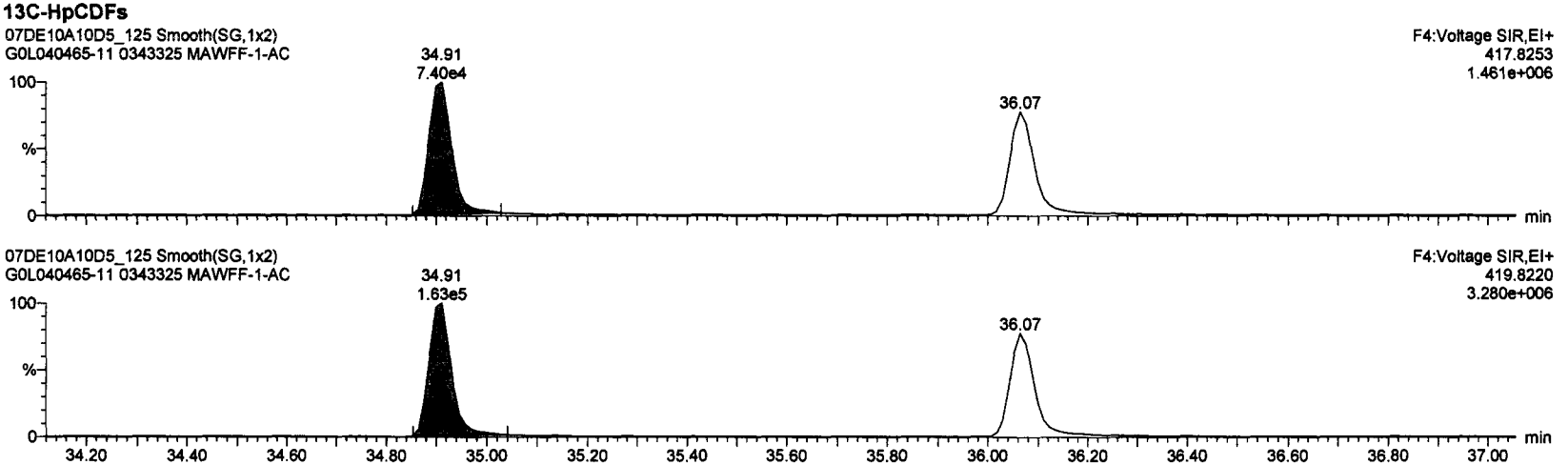
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

HpCDFs



13C-HpCDFs



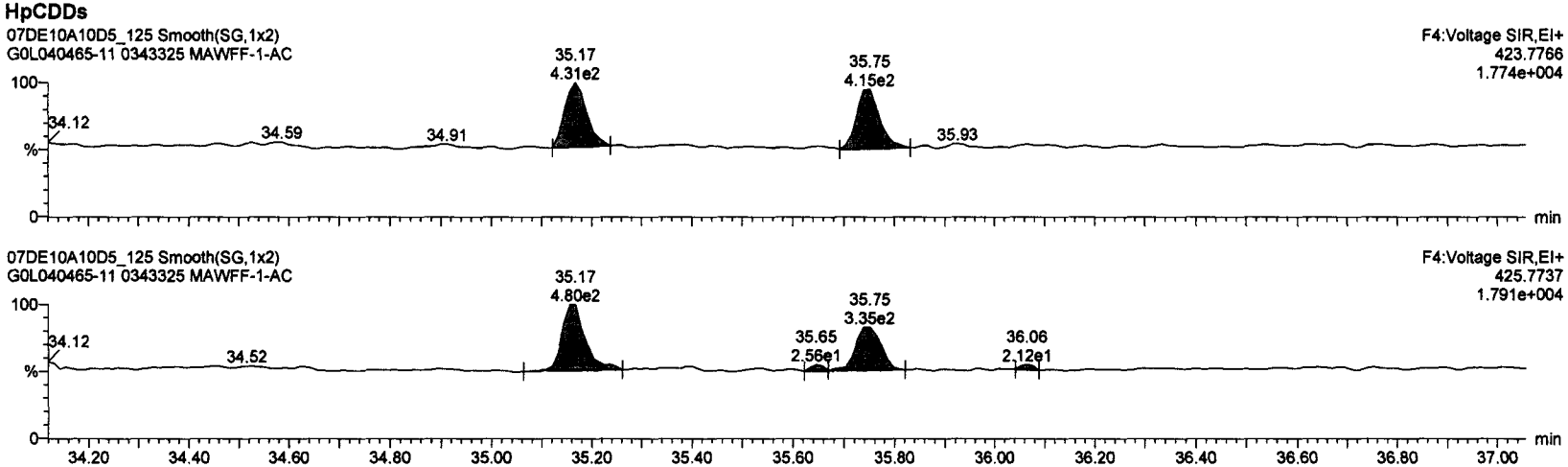
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

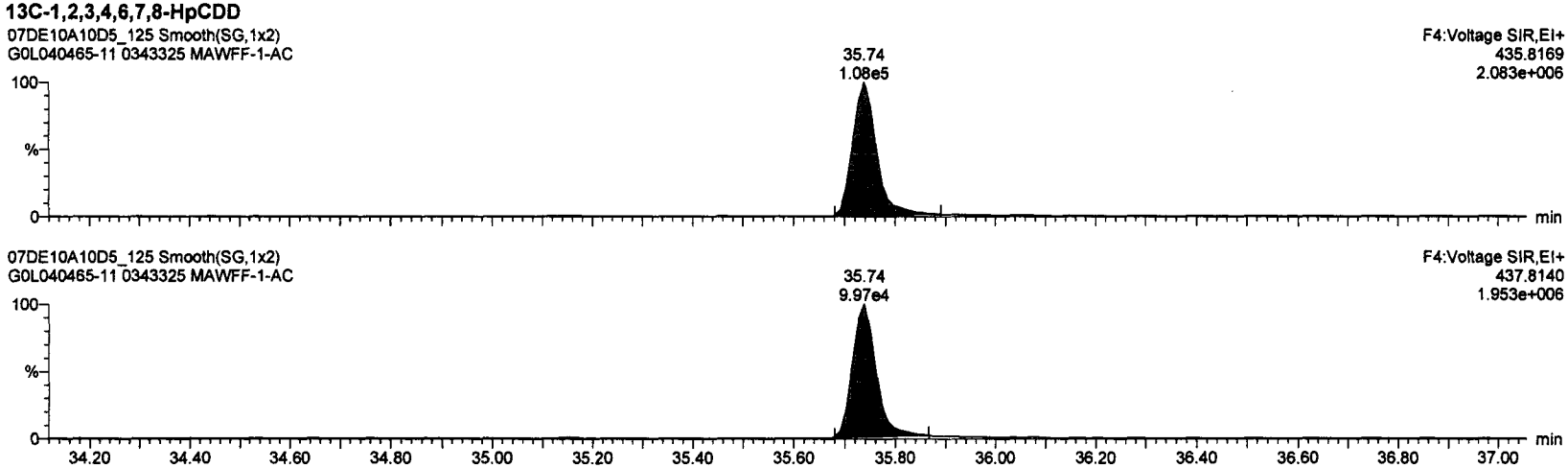
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



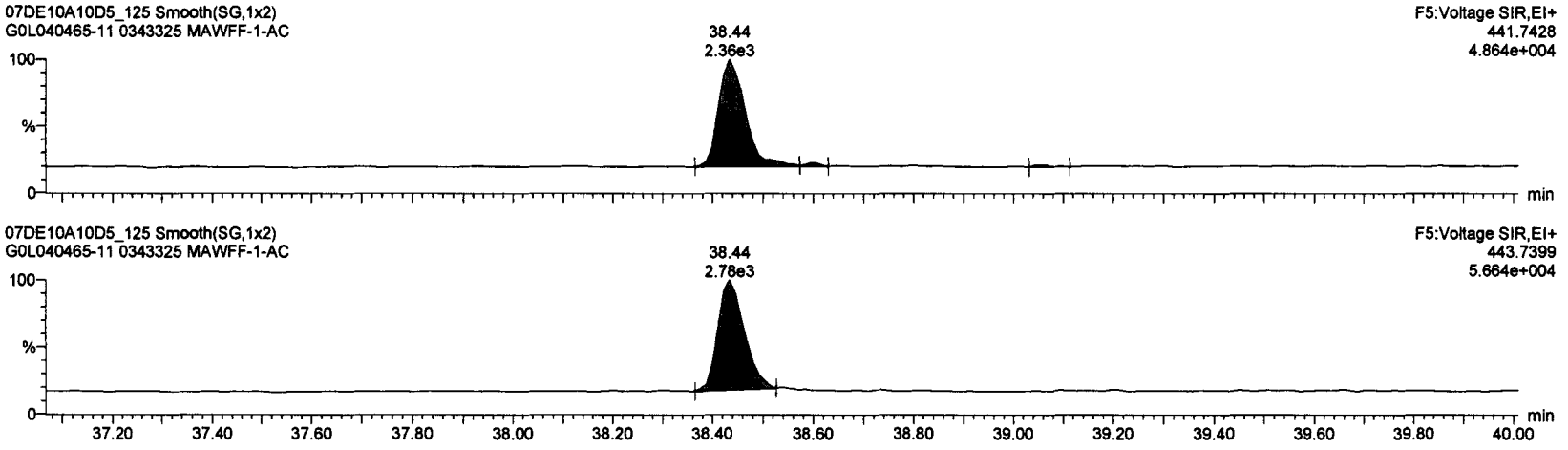
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

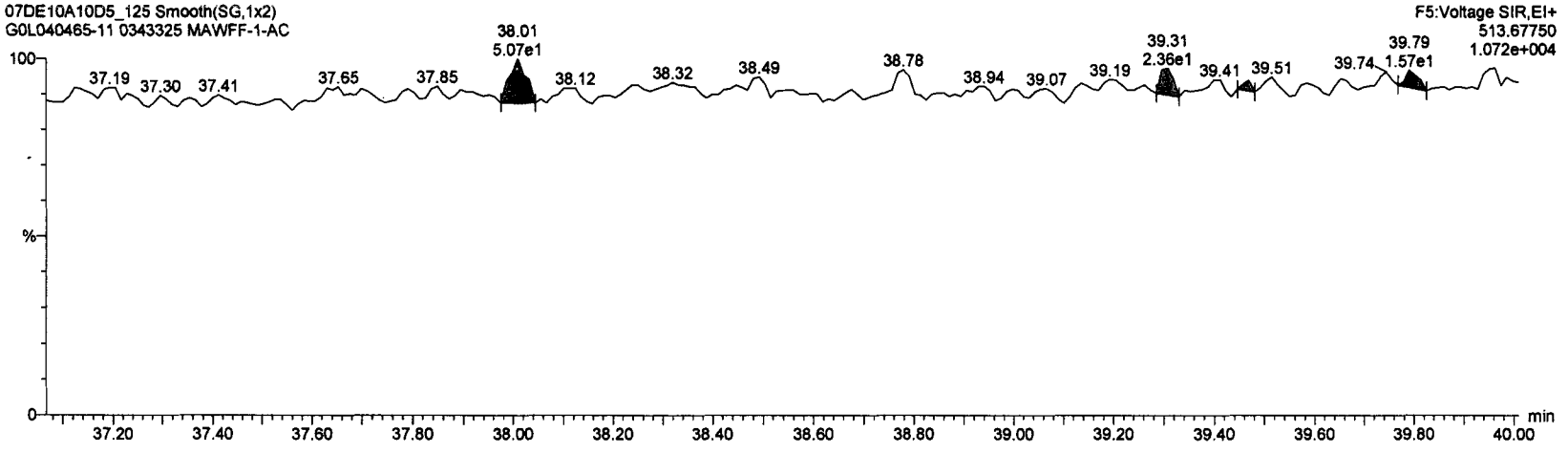
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

OCDFs



OCDF PCDPE



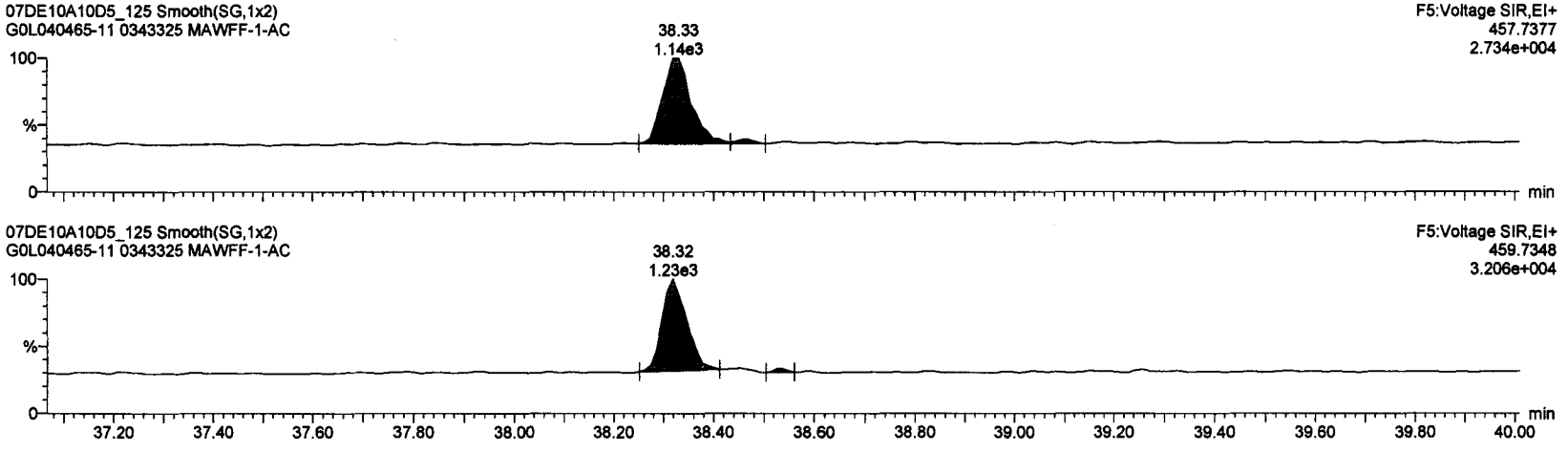
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

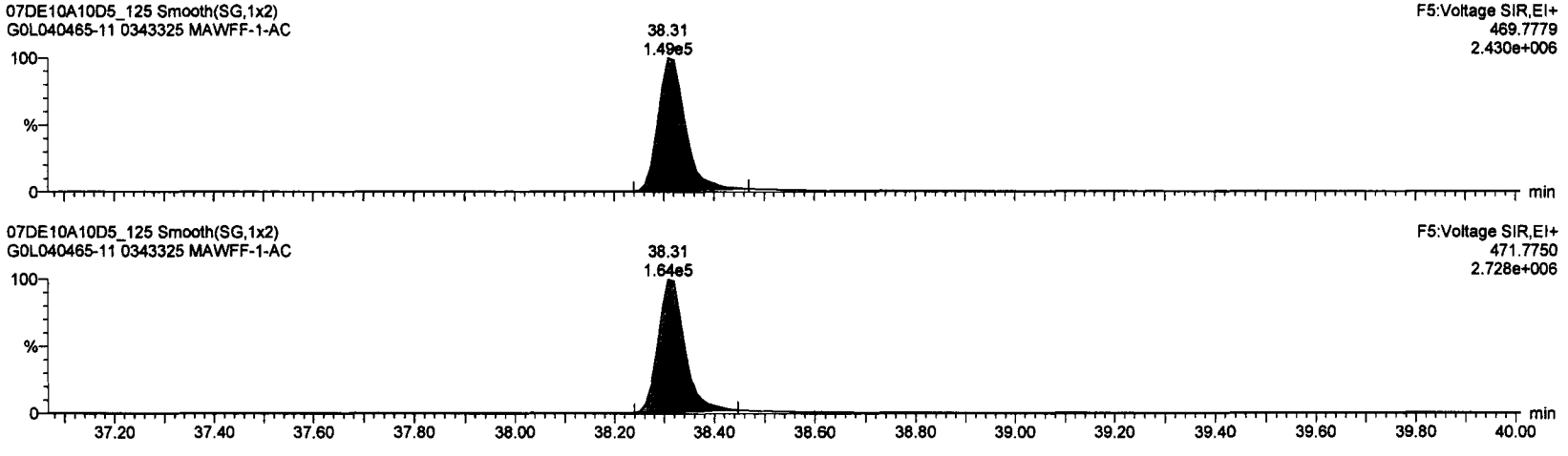
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

OCDD



13C-OCDD



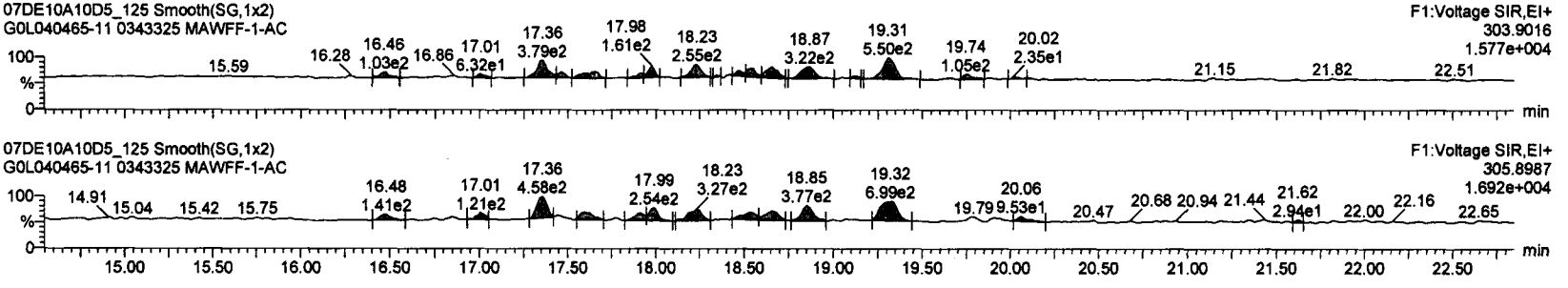
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

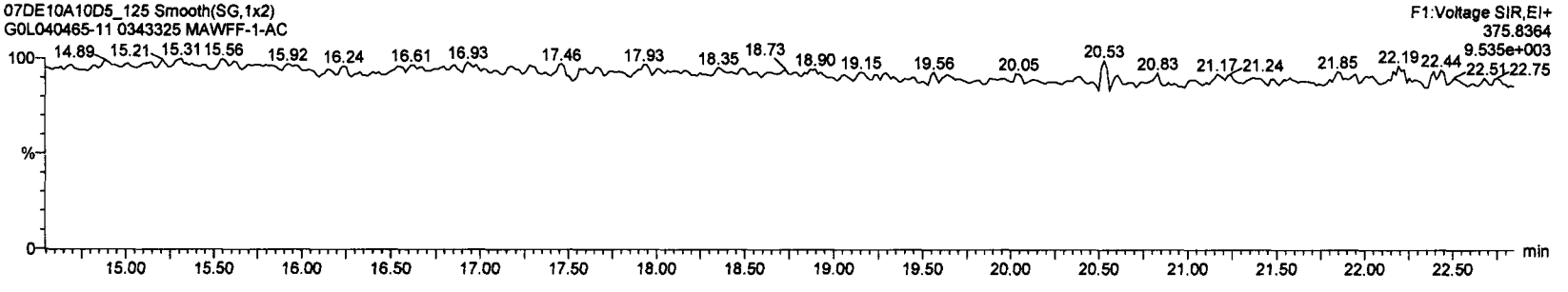
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

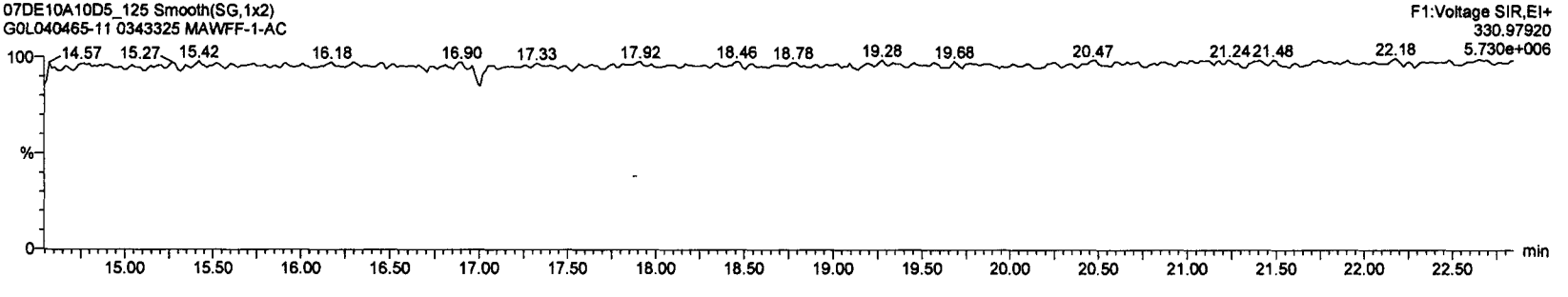
TCDFs



TCDF PCDPE



Function 1 PFK



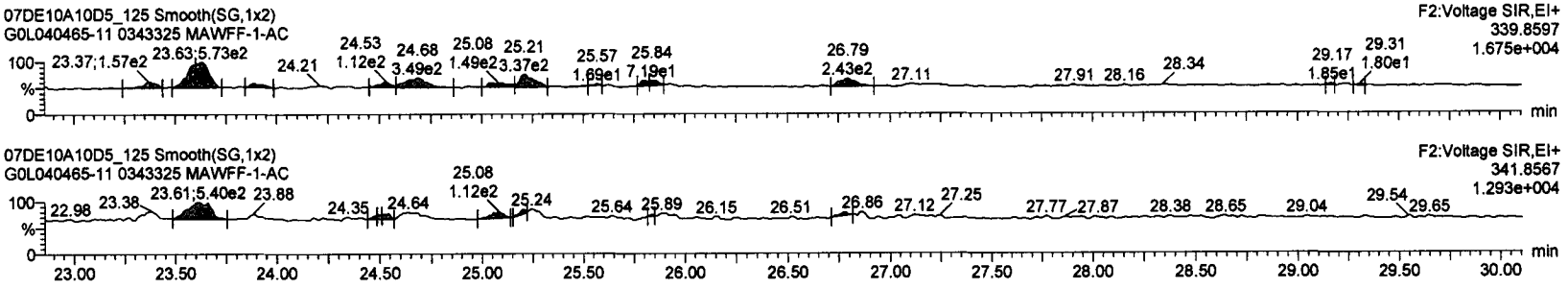
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

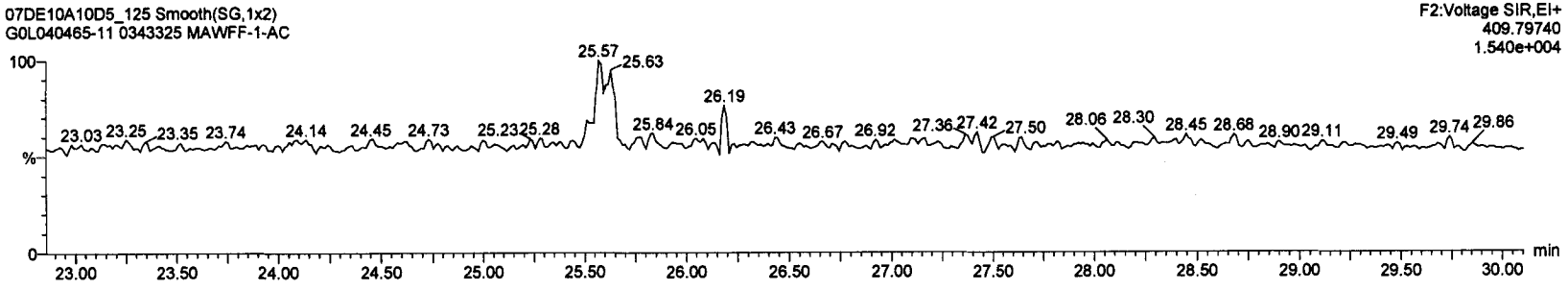
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

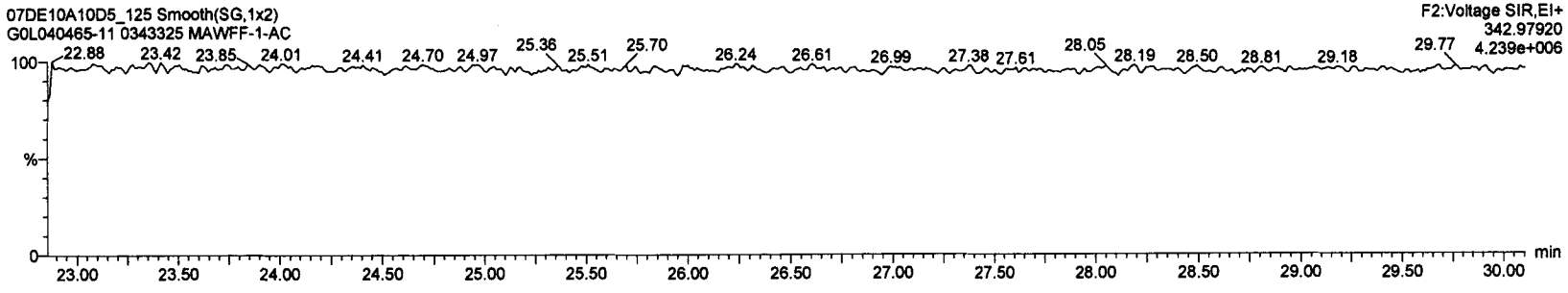
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



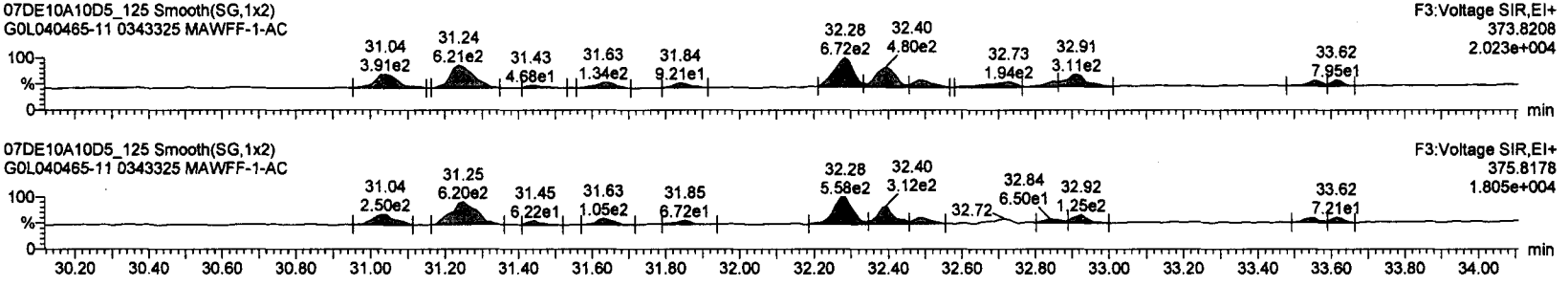
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

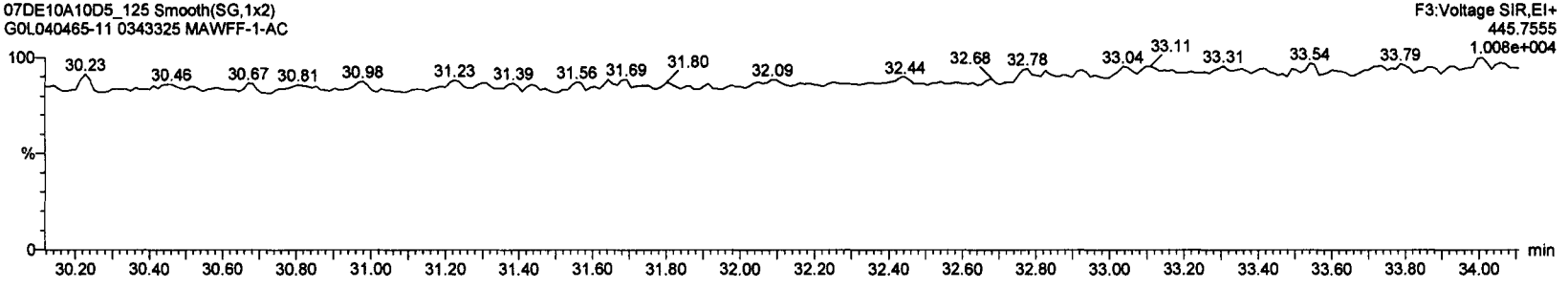
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

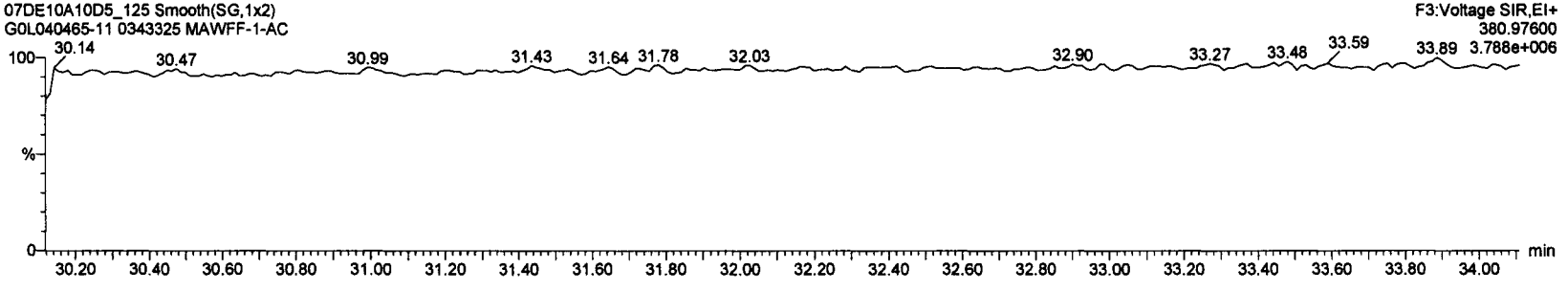
HxCDFs



HxCDF PCDPE



Function 3 PFK



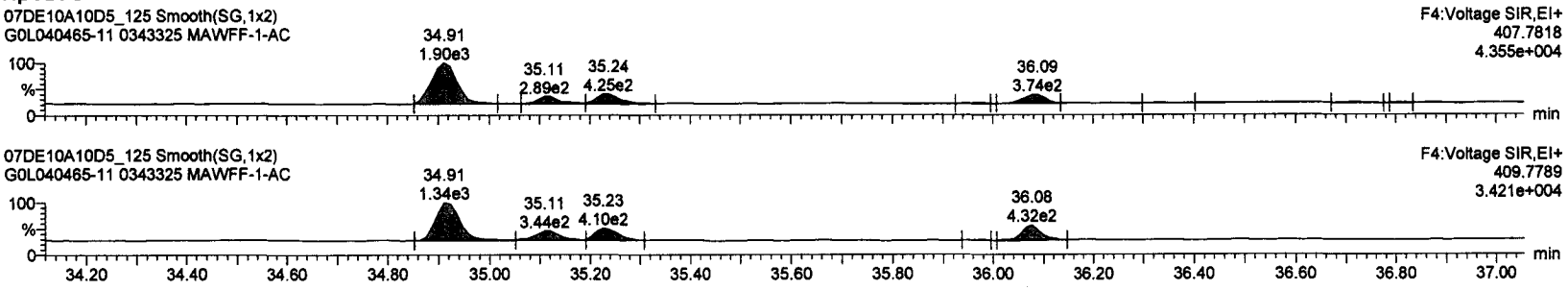
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

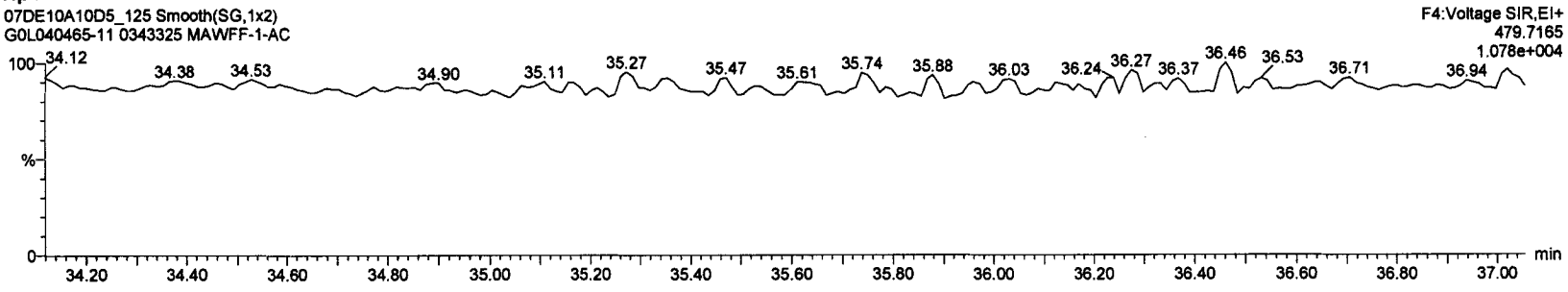
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

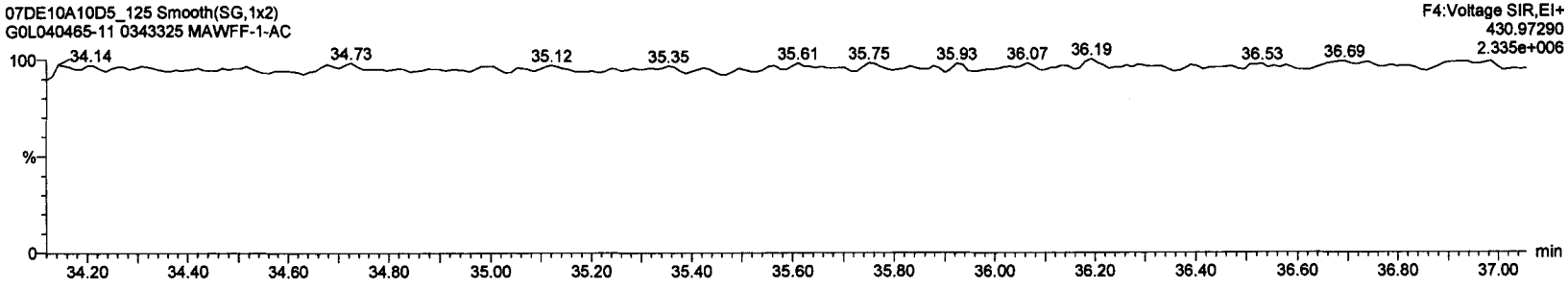
HpCDFs



HpCDF PCDPE



Function 4 PFK



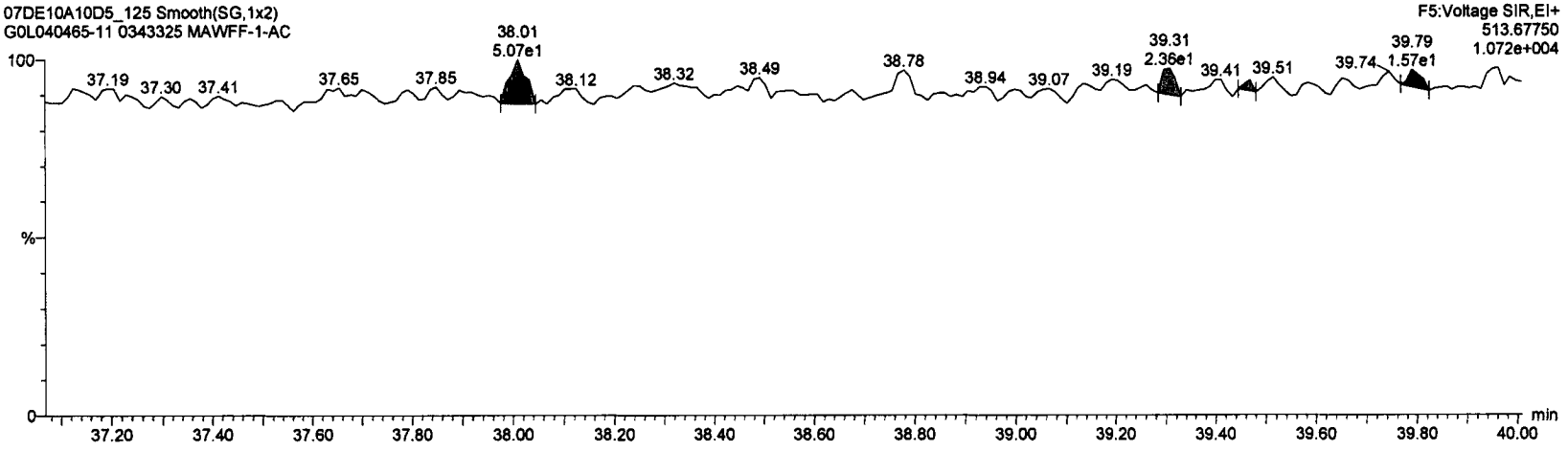
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

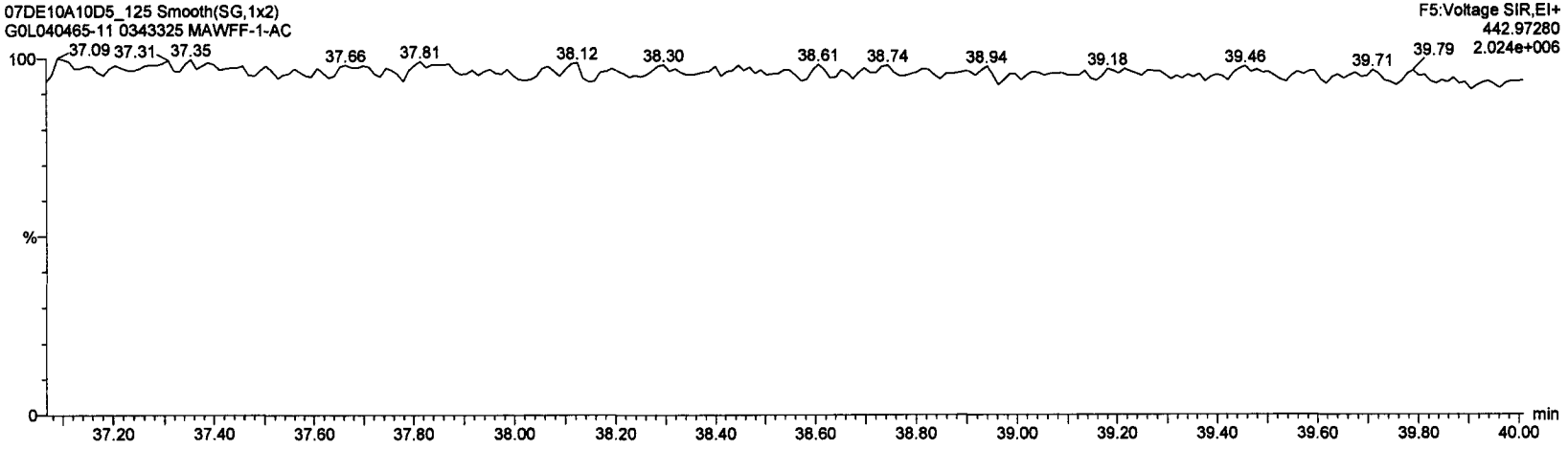
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_125, Date: 11-Dec-2010, Time: 14:55:34, ID: MAWFF-1-AC, Description: G0L040465-11 0343325

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:39:08 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:39:22 Pacific Standard Time

DS 12-15-10

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

#	Name	Quan Trace	Sample Size	RT	Pred.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ra	Flag	Mod.Date
1	13C-1,2,3,4-TCDD	331.9368	0.50000	19.88	19.85	1.000	361805.75	4000.0000	4000.0000	100.0	4.9514	0.790	0.770		NO	
2																
3	13C-2,3,7,8-TCDF	315.9419	0.50000	19.26	19.10	1.312	456721.30	3848.5144	3848.5144	96.2	3.2300	0.783	0.770		NO	
4	2,3,7,8-TCDF	303.9016	0.50000	19.31	19.26	0.998	1771.82	15.5542	15.5542 J		1.3359	0.885	0.770		NO	
5	Total TCDFs	303.9016	0.50000		21.44	0.998		83.9111	~~79.4782~~ 37.0757		1.3359					
6																
7	13C-2,3,7,8-TCDD	331.9368	0.50000	20.09	20.09	0.909	333229.20	4051.1672	4051.1672	101.3	5.4447	0.787	0.770		NO	
8	2,3,7,8-TCDD	319.8965	0.50000		20.09	1.035			ND		1.5574		0.770			
9	Total TCDDs	319.8965	0.50000		22.69	1.035		1.5582	~~1.1986~~		1.5574					
10																
11	37CL-2,3,7,8-TCDD	327.8847	0.50000		20.09	0.655					2.8934	→ see next page				
12																
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	25.20	25.11	1.024	318860.88	3443.3264	3443.3264	86.1	5.0266	1.638	1.550		NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	25.22	25.20	1.092	723.53	8.3145	8.3145 J		2.7435	1.665	1.550		NO	
15	2,3,4,7,8-PeCDF	339.8597	0.50000	26.78	26.73	1.064	220.37	2.5979	~~1.5481~~		2.8145	0.568	1.550		YES	
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.078		51.8948	~~43.0007~~ 37.2143		2.7786					
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.078		8.1543 43.9381	~~6.9906~~ 6.7738		2.1840					
18																
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	27.62	27.48	0.734	233862.35	3520.3222	3520.3222	88.0	4.4147	1.589	1.550		NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000		27.62	0.960			ND		2.5643		1.550			
21	Total PeCDDs	355.8546	0.50000		31.10	0.960		5.5061	~~3.5701~~		2.5643					
22																
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	33.37	33.27	1.000	225290.17	4000.0000	4000.0000	100.0	6.6642	1.251	1.240		NO	
24																
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	32.26	32.23	1.049	237483.44	4017.9574	4017.9574	100.4	12.5676	0.519	0.510		NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	32.27	32.26	1.313	2048.91	26.2915	26.2915 J		0.9240	1.267	1.240		NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	32.38	32.38	1.438	1312.42	15.3722	15.3722 J		0.8434	1.131	1.240		NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.90	32.92	1.352	363.42	4.5264	3.5023 J,Q		0.8968	0.749	1.240		YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	33.54	33.56	1.198	146.00	2.0534	2.0534 J		1.0128	1.150	1.240		NO	
30	Total HxCDFs	373.8208	0.50000		0.00	1.325		112.1338	~~108.3572~~ 105.8202		0.9153					

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:39:08 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:39:22 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

#	Name	Quan Trace	Sample Size	RT	Pred.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Raito	Prd.Ratio	Ra Flag	Mod.Date
31															
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	33.11	33.10	0.905	208153.16	4085.8370	4085.8370	102.1 ✓	7.3676	1.201	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	33.04	33.04	0.982	57.33	1.1225	~~0.3208~~		1.3205	6.838	1.240	YES	15-Dec-10
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	33.11	33.11	1.094	95.91	1.6843	1.5210 J,Q		1.1844	1.000	1.240	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	33.37	33.38	1.058	120.20	2.1836	~~0.7138~~		1.2252	5.852	1.240	YES	
36	Total HxCDDs	389.8157	0.50000		0.00	1.045		15.6527	~~11.1248~~ ~~7.0749F~~		1.2408 7.2295	12/17/2010 Mmw			
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.90	34.91	0.954	207313.16	3858.6859	3858.6859	96.5 ✓	7.7662	0.449	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.90	34.90	1.463	4629.84	61.0681	53.7116 J,Q		1.1886	1.319	1.040	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	36.07	36.07	1.231	1166.54	18.2870	18.2870 J		1.4126	1.165	1.040	NO	
41	Total HpCDFs	407.7818	0.50000		0.00	1.347		110.0955	101.5246 ✓		1.2910				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.73	35.75	0.848	179808.84	3763.1183	3763.1183	94.1 ✓	9.3445	1.024	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.74	35.73	1.055	536.60	11.3198	11.3198 J		1.3166	1.071	1.040	NO	
45	Total HpCDDs	423.7766	0.50000		0.08	1.055		27.3888	~~27.3888~~ 25.677 ✓		1.3166				
46															
47	13C-OCDD	469.7779	0.50000	38.30	38.35	0.675	276226.58	7269.5678	7269.5678	90.9 ✓	8.7709	0.905	0.890	NO	
48	OCDF	441.7428	0.50000	38.42	38.42	1.486	7804.77	152.1028	152.1028 J		1.6988	0.941	0.890	NO	
49	OCDD	457.7377	0.50000	38.31	38.30	1.146	1488.55	37.6126	34.1600 J,Q		1.6505	0.747	0.890	YES	
50															
51															
52	Function 1 PFK	330.97920	1.00000		38.25										
53	Function 2 PFK	342.97920	1.00000		38.25										
54	Function 3 PFK	380.97600	1.00000		38.25										
55	Function 4 PFK	430.97290	1.00000		38.25										
56	Function 5 PFK	442.97280	1.00000		0.00										
57	TCDF PCDPE	375.8364	1.00000		38.25										
58	F1 PeCDF PCDPE	409.79740	1.00000		38.25										
59	F2 PeCDF PCDPE	409.79740	1.00000		38.25										
60	HXCDF PCDPE	445.7555	1.00000		38.25										
61	HPCDF PCDPE	479.7165	1.00000		38.25										
62	OCDF PCDPE	513.67750	1.00000		0.00										

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:26:28 Pacific Standard Time

12-15-10

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	19.88	19.87	1.00000	361805.75	4000.0000	4000.0000	100.0	4.95136	0.79	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.26	19.26	1.31203	456721.30	3848.5144	3848.5144	96.2	3.22998	0.78	NO	
4	2,3,7,8-TCDF	303.9016	0.500	19.31	19.26	0.99766	1771.82	15.5542	15.5542		1.33591	0.89	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.99766		83.9111	79.4732		1.33591			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.09	20.10	0.90938	333229.20	4051.1672	4051.1672	101.3	5.44473	0.79	NO	
8	2,3,7,8-TCDD	319.8965	0.500		20.11	1.03464					1.55738		NO	
9	Total TCDDs	319.8965	0.500		22.69	1.03464		1.5582	1.1986		1.55738			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500	20.11	20.09	0.65529	86296.38	1580.7873	0.0000	98.8	2.89335			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.20	24.93	1.02378	318860.88	3443.3264	3443.3264	86.1	5.02663	1.64	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	25.22	25.20	1.09163	723.53	8.3145	8.3145		2.74354	1.67	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	26.78	26.73	1.06412	220.37	2.5979	1.5481		2.81448	0.57	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787		40.0060	29.0650		2.77856			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787		8.1543	6.9906		2.18397			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.62	27.30	0.73445	233862.35	3520.3222	3520.3222	88.0	4.41465	1.59	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		27.62	0.96030					2.56430		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.96030		5.5061	3.5701		2.56430			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.37	33.27	1.00000	225290.17	4000.0000	4000.0000	100.0	6.66419	1.25	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.26	32.23	1.04941	237483.44	4017.9574	4017.9574	100.4	12.56764	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	32.27	32.26	1.31260	2048.91	26.2915	26.2915		0.92398	1.27	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	32.38	32.38	1.43801	1312.42	15.3722	15.3722		0.84340	1.13	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.90	32.92	1.35233	363.42	4.5264	3.5023		0.89684	0.75	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.54	33.56	1.19752	146.00	2.0534	2.0534		1.01278	1.15	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.32511		112.1338	108.3572		0.91526			
31														
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.11	33.10	0.90452	208153.16	4085.8370	4085.8370	102.1	7.36762	1.20	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.11	33.04	0.98150	95.91	1.8778	1.6957		1.32048	1.00	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	33.37	33.11	1.09425	120.20	2.1109	0.6901		1.18443	5.85	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.87	33.38	1.05784	28.93	0.5256	0.1778		1.22519	5.62	YES	

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:26:28 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36	Total HxCDDs	389.8157	0.500		0.00	1.04453		13.9994	10.5659		1.24080			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.90	34.91	0.95391	207313.16	3858.6859	3858.6859	96.5	7.76625	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.90	34.90	1.46280	4629.84	61.0681	53.7116		1.18859	1.32	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.07	36.07	1.23081	1166.54	18.2870	18.2870		1.41262	1.16	NO	
41	Total HpCDFs	407.7818	0.500		0.00	1.34680		110.0955	101.5246		1.29096			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.73	35.75	0.84836	179808.84	3763.1183	3763.1183	94.1	9.34445	1.02	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.74	35.73	1.05453	536.60	11.3198	11.3198		1.31659	1.07	NO	
45	Total HpCDDs	423.7766	0.500		0.08	1.05453		27.3888	27.3888		1.31659			
46														
47	13C-OCDD	469.7779	0.500	38.30	38.35	0.67464	276226.58	7269.5678	7269.5678	90.9	8.77087	0.91	NO	
48	OCDF	441.7428	0.500	38.42	38.42	1.48610	7804.77	152.1028	152.1028		1.69880	0.94	NO	
49	OCDD	457.7377	0.500	38.31	38.30	1.14618	1488.55	37.6126	34.1600		1.65046	0.75	YES	
50														
51														
52	Function 1 PFK	330.97920	1.000		38.25									
53	Function 2 PFK	342.97920	1.000		38.25									
54	Function 3 PFK	380.97600	1.000		38.25									
55	Function 4 PFK	430.97290	1.000		38.25									
56	Function 5 PFK	442.97280	1.000		0.00									
57	TCDF PCDPE	375.8364	1.000		38.25									
58	F1 PeCDF PCDPE	409.79740	1.000		38.25									
59	F2 PeCDF PCDPE	409.79740	1.000		38.25									
60	HXCDF PCDPE	445.7555	1.000		38.25									
61	HPCDF PCDPE	479.7165	1.000		38.25									
62	OCDF PCDPE	513.67750	1.000		0.00									

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:39:08 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:39:22 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\CA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

Total TCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	5	Total TCDFs	303.9016	17.43	210.558	1.8484	1.6217	0.99766	1.3359	0.617	0.770	YES	5.952
2	5	Total TCDFs	303.9016	17.34	1405.180	12.3356	12.3356	0.99766	1.3359	0.668	0.770	NO	30.687
3	5	Total TCDFs	303.9016	16.45	512.538	4.4994	4.4994	0.99766	1.3359	0.767	0.770	NO	11.546
4	5	Total TCDFs	303.9016	19.77	255.864	2.2461	1.9987	0.99766	1.3359	0.632	0.770	YES	6.329
5	4	2,3,7,8-TCDF	303.9016	19.31	1771.819	15.5542	15.5542	0.99766	1.3359	0.885	0.770	NO	26.017
6	5	Total TCDFs	303.9016	19.09	169.110	1.4846	~~1.2646~~	0.99766	1.3359	0.589	0.770	YES	4.987
7	5	Total TCDFs	303.9016	18.84	914.752	8.0303	8.0303	0.99766	1.3359	0.822	0.770	NO	16.004
8	5	Total TCDFs	303.9016	18.69	362.971	3.1864	2.9514	0.99766	1.3359	0.911	0.770	YES	13.852
9	5	Total TCDFs	303.9016	18.63	530.237	4.6548	4.6548	0.99766	1.3359	0.794	0.770	NO	15.658
10	5	Total TCDFs	303.9016	18.50	856.938	7.5228	7.5228	0.99766	1.3359	0.856	0.770	NO	11.326
11	5	Total TCDFs	303.9016	18.22	855.268	7.5081	6.5663	0.99766	1.3359	1.024	0.770	YES	15.683
12	5	Total TCDFs	303.9016	17.96	495.791	4.3524	4.3524	0.99766	1.3359	0.713	0.770	NO	8.025
13	5	Total TCDFs	303.9016	17.89	220.819	1.9385	~~1.1329~~	0.99766	1.3359	2.029	0.770	YES	4.895
14	5	Total TCDFs	303.9016	17.58	996.702	8.7497	6.9882	0.99766	1.3359	0.532	0.770	YES	16.892

Total TCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	9	Total TCDDs	319.8965	17.52	134.309	1.5582	1.1986	1.03464	1.5574	0.503	0.770	YES	5.288

Total F2 PeCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	1.	Total F2 PeCD...	339.8597	24.61	272.693	3.1737	0.2820	1.07787	2.7786	0.047	1.550	YES	5.948
2	1.	Total F2 PeCD...	339.8597	24.52	256.660	2.9871	2.3721	1.07787	2.7786	0.933	1.550	YES	4.750
3	1.	Total F2 PeCD...	339.8597	23.94	48.230	0.5613	0.3423	1.07787	2.7786	0.589	1.550	YES	2.447
4	1.	Total F2 PeCD...	339.8597	23.59	2229.890	25.9522	23.7466	1.07787	2.7786	1.787	1.550	YES	16.025
5	1.	Total F2 PeCD...	339.8597	23.38	546.958	6.3657	5.1532	1.07787	2.7786	2.150	1.550	YES	5.435
6	1.	Total F2 PeCD...	339.8597	27.13	29.254	0.3405	0.2019	1.07787	2.7786	0.563	1.550	YES	1.571
7	1.	2,3,4,7,8-PeCDF	339.8597	26.78	220.369	2.5979	1.5481	1.06412	2.8145	0.568	1.550	YES	3.952
8	1.	1,2,3,7,8-PeCDF	339.8597	25.22	723.526	8.3145	8.3145	1.09163	2.7435	1.665	1.550	NO	7.275
9	1.	Total F2 PeCD...	339.8597	25.06	137.642	1.6019	~~1.0900~~	1.07787	2.7786	2.747	1.550	YES	2.672

Total F1 PeCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	1.	Total F1 PeCD...	339.8597	21.75	654.977	7.6228	6.7238	1.07787	2.1840	1.891	1.550	YES	7.585
2	1.	Total F1 PeCD...	339.8597	17.84	45.664	0.5315	~~0.2669~~	1.07787	2.1840	0.439	1.550	YES	2.360

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:39:08 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:39:22 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

Total PeCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	2.	Total PeCDDs	355.8546	26.83	11.443	0.2038	0.1668	0.96030	2.5643	2.115	1.550	YES	1.040
2	2.	Total PeCDDs	355.8546	25.30	40.406	0.7197	0.5383	0.96030	2.5643	2.409	1.550	YES	2.007
3	2.	Total PeCDDs	355.8546	25.19	107.438	1.9136	0.8299	0.96030	2.5643	4.880	1.550	YES	2.594
4	2.	Total PeCDDs	355.8546	24.44	25.569	0.4554	0.8767	0.96030	2.5643	2.083	1.550	YES	1.665
5	2.	Total PeCDDs	355.8546	23.86	124.281	2.2136	1.6584	0.96030	2.5643	2.404	1.550	YES	4.153

Total HxCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	2.	2,3,4,6,7,8-Hx...	373.8208	32.90	363.417	4.5264	3.5023	1.35233	0.8968	0.749	1.240	YES	18.357
2	3.	Total HxCDFs	373.8208	32.85	263.969	3.3553	2.7381	1.32511	0.9153	1.745	1.240	YES	13.636
3	3.	Total HxCDFs	373.8208	32.70	312.541	3.9726	3.4309	1.32511	0.9153	0.916	1.240	YES	14.320
4	3.	Total HxCDFs	373.8208	32.48	471.022	5.9871	5.9871	1.32511	0.9153	1.173	1.240	NO	25.214
5	2.	1,2,3,6,7,8-Hx...	373.8208	32.38	1312.415	15.3722	15.3722	1.43801	0.8434	1.131	1.240	NO	59.079
6	2.	1,2,3,4,7,8-Hx...	373.8208	32.27	2048.905	26.2915	26.2915	1.31260	0.9240	1.267	1.240	NO	78.098
7	3.	Total HxCDFs	373.8208	31.83	287.468	3.6540	3.3068	1.32511	0.9153	1.004	1.240	YES	15.060
8	3.	Total HxCDFs	373.8208	31.62	319.880	4.0659	4.0659	1.32511	0.9153	1.163	1.240	NO	10.844
9	3.	Total HxCDFs	373.8208	31.46	95.178	1.2098	0.9450	1.32511	0.9153	1.868	1.240	YES	5.237
10	3.	Total HxCDFs	373.8208	31.24	1917.385	24.3715	24.3715	1.32511	0.9153	1.138	1.240	NO	77.862
11	3.	Total HxCDFs	373.8208	31.03	1082.181	13.7554	13.7554	1.32511	0.9153	1.386	1.240	NO	35.177
12	3.	Total HxCDFs	373.8208	33.60	276.829	3.5187	2.5370	1.32511	0.9153	2.107	1.240	YES	12.066
13	2.	1,2,3,7,8,9-Hx...	373.8208	33.54	145.995	2.0534	2.0534	1.19752	1.0128	1.150	1.240	NO	8.993

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1													

Total HxCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	3.	Total HxCDDs	389.8157	32.52	206.756	3.8038	2.9549	1.04453	1.2408	0.754	1.240	YES	6.918
2	3.	Total HxCDDs	389.8157	32.30	203.976	3.7526	2.8607	1.04453	1.2408	1.938	1.240	YES	5.965
3	3.	Total HxCDDs	389.8157	31.75	139.888	2.5736	2.5736	1.04453	1.2408	1.222	1.240	NO	5.827
4	3.	Total HxCDDs	389.8157	33.87	28.934	0.5323	0.1800	1.04453	1.2408	5.623	1.240	YES	1.184
5	3.	1,2,3,7,8,9-Hx...	389.8157	33.37	120.203	2.1836	0.7138	1.05784	1.2252	5.852	1.240	YES	3.105
6	3.	1,2,3,6,7,8-Hx...	389.8157	33.11	95.909	1.6843	1.5210	1.09425	1.1844	1.000	1.240	YES	4.334
7	3.	1,2,3,4,7,8-Hx...	389.8157	33.04	57.334	1.1225	0.3208	0.98150	1.3205	6.838	1.240	YES	1.234

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1													

Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:39:08 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:39:22 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

Total HpCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4.	1,2,3,4,7,8,9-H...	407.7818	36.07	1166.541	18.2870	18.2870	1.23081	1.4126	1.165	1.040	NO	37.611
2	4.	Total HpCDFs	407.7818	35.23	1280.382	18.3429	18.3429	1.34680	1.2910	0.933	1.040	NO	46.721
3	4.	Total HpCDFs	407.7818	35.11	865.376	12.3975	11.1831	1.34680	1.2910	0.851	1.040	YES	32.536
4	3.	1,2,3,4,6,7,8-H...	407.7818	34.90	4629.840	61.0681	53.7116	1.46280	1.1886	1.319	1.040	YES	146.629

Total HpCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4.	Total HpCDDs	423.7766	35.16	680.582	14.3572	14.3572	1.05453	1.3166	0.927	1.040	NO	43.446
2	4.	Total HpCDDs	423.7766	34.59	19.290	0.4069	0.4069	1.05453	1.3166	1.069	1.040	NO	2.160
3	4.	Total HpCDDs	423.7766	36.73	61.857	1.3049	1.3049	1.05453	1.3166	0.961	1.040	NO	3.049
4	4.	1,2,3,4,6,7,8-H...	423.7766	35.74	536.598	11.3198	11.3198	1.05453	1.3166	1.071	1.040	NO	33.683

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325, Task:

#	Name	Trace	Sample Size	RT	Pred.RT	RRF Mean	Resp.	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Flag	Modified
1	13C-1,2,3,4-TCDD	331.9368	0.500	19.88	19.85	1.00000	361805.75	4000.0000	4000.0000	100.0	4.95136	0.79	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	19.26	19.10	1.31203	456721.30	3848.5144	3848.5140	96.2	3.22998	0.78	NO	
4	2,3,7,8-TCDF	303.9016	0.500	19.31	19.26	0.99766	1771.82	15.5542	15.5540		1.33591	0.88	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.99766		83.9111	79.4730		1.33591			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	20.09	20.09	0.90938	333229.20	4051.1672	4051.1670	101.3	5.44473	0.79	NO	
8	2,3,7,8-TCDD	319.8965	0.500		20.09	1.03464					1.55738		NO	
9	Total TCDDs	319.8965	0.500		22.69	1.03464		1.5582	1.1990		1.55738			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500		20.09	0.65529					2.89335			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	25.20	25.11	1.02378	318860.88	3443.3264	3443.3260	86.1	5.02663	1.64	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	25.22	25.20	1.09163	723.53	8.3145	8.3150		2.74354	1.66	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	26.78	26.73	1.06412	220.37	2.5979	1.5480		2.81448	0.57	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.07787		38.6525	26.8380		2.77856			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.07787		8.1543	6.9910		2.18397			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	27.62	27.48	0.73445	233862.35	3520.3222	3520.3220	88.0	4.41465	1.59	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		27.62	0.96030					2.56430		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.96030		5.5061	3.5700		2.56430			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	33.37	33.27	1.00000	225290.17	4000.0000	4000.0000	100.0	6.66419	1.25	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	32.26	32.23	1.04941	237483.44	4017.9574	4017.9570	100.4	12.56764	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	32.27	32.26	1.31260	2048.91	26.2915	26.2920		0.92398	1.27	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	32.38	32.38	1.43801	1312.42	15.3722	15.3720		0.84340	1.13	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.90	32.92	1.35233	363.42	4.5264	3.5020		0.89684	0.75	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	33.54	33.56	1.19752	146.00	2.0534	2.0530		1.01278	1.15	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.32511		112.1338	108.3570		0.91526			
31														
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	33.11	33.10	0.90452	208153.16	4085.8370	4085.8370	102.1	7.36762	1.20	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	33.11	33.04	0.98150	95.91	1.8778	1.6960		1.32048	1.00	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	33.37	33.11	1.09425	120.20	2.1109	0.6900		1.18443	5.85	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	33.87	33.38	1.05784	28.93	0.5256	0.1780		1.22519	5.62	YES	

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325, Task:

#	Name	[illegible]	Sample Size	RT	Pred.RT	RRF	[illegible]	Conc	[illegible]	[illegible]	[illegible]	Ratio	[illegible]	[illegible]
36	Total HxCDDs	389.8157	0.500		0.00	1.04453		13.9994	10.5660		1.24080			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.90	34.91	0.95391	207313.16	3858.6859	3858.6860	96.5	7.76625	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.90	34.90	1.46280	4629.84	61.0681	53.7120		1.18859	1.32	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	36.07	36.07	1.23081	1166.54	18.2870	18.2870		1.41262	1.16	NO	
41	Total HpCDFs	407.7818	0.500		0.00	1.34680		110.0955	101.5250		1.29096			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.73	35.75	0.84836	179808.84	3763.1183	3763.1180	94.1	9.34445	1.02	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.74	35.73	1.05453	536.60	11.3198	11.3200		1.31659	1.07	NO	
45	Total HpCDDs	423.7766	0.500		0.08	1.05453		27.3888	27.3890		1.31659			
46														
47	13C-OCDD	469.7779	0.500	38.30	38.35	0.67464	276226.58	7269.5678	7269.5680	90.9	8.77087	0.90	NO	
48	OCDF	441.7428	0.500	38.42	38.42	1.48610	7804.77	152.1028	152.1030		1.69880	0.94	NO	
49	OCDD	457.7377	0.500	38.31	38.30	1.14618	1488.55	37.6126	34.1600		1.65046	0.75	YES	
50														
51														
52	Function 1 PFK	330.97920	1.000		38.25									
53	Function 2 PFK	342.97920	1.000		38.25									
54	Function 3 PFK	380.97600	1.000		38.25									
55	Function 4 PFK	430.97290	1.000		38.25									
56	Function 5 PFK	442.97280	1.000		0.00									
57	TCDF PCDPE	375.8364	1.000		38.25									
58	F1 PeCDF PCDPE	409.79740	1.000		38.25									
59	F2 PeCDF PCDPE	409.79740	1.000		38.25									
60	HXCDF PCDPE	445.7555	1.000		38.25									
61	HPCDF PCDPE	479.7165	1.000		38.25									
62	OCDF PCDPE	513.67750	1.000		0.00									

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325, Task:

Total TCDFs

5	Total TCDFs	303.9016	17.43	210.558	1.8484	1.6220	0.99766	1.3359	0.617	0.770	YES	5.952
5	Total TCDFs	303.9016	17.34	1405.180	12.3356	12.3360	0.99766	1.3359	0.668	0.770	NO	30.687
5	Total TCDFs	303.9016	16.45	512.538	4.4994	4.4990	0.99766	1.3359	0.767	0.770	NO	11.546
5	Total TCDFs	303.9016	19.77	255.864	2.2461	1.9990	0.99766	1.3359	0.632	0.770	YES	6.329
4	2,3,7,8-TCDF	303.9016	19.31	1771.819	15.5542	15.5540	0.99766	1.3359	0.885	0.770	NO	26.017
5	Total TCDFs	303.9016	19.09	169.110	1.4846	1.2650	0.99766	1.3359	0.589	0.770	YES	4.987
5	Total TCDFs	303.9016	18.84	914.752	8.0303	8.0300	0.99766	1.3359	0.822	0.770	NO	16.004
5	Total TCDFs	303.9016	18.69	362.971	3.1864	2.9510	0.99766	1.3359	0.911	0.770	YES	13.852
5	Total TCDFs	303.9016	18.63	530.237	4.6548	4.6550	0.99766	1.3359	0.794	0.770	NO	15.658
5	Total TCDFs	303.9016	18.50	856.938	7.5228	7.5230	0.99766	1.3359	0.856	0.770	NO	11.326
5	Total TCDFs	303.9016	18.22	855.268	7.5081	6.5660	0.99766	1.3359	1.024	0.770	YES	15.683
5	Total TCDFs	303.9016	17.96	495.791	4.3524	4.3520	0.99766	1.3359	0.713	0.770	NO	8.025
5	Total TCDFs	303.9016	17.89	220.819	1.9385	1.1330	0.99766	1.3359	2.029	0.770	YES	4.895
5	Total TCDFs	303.9016	17.58	996.702	8.7497	6.9880	0.99766	1.3359	0.532	0.770	YES	16.892

Total TCDDs

9	Total TCDDs	319.8965	17.52	134.309	1.5582	1.1990	1.03464	1.5574	0.503	0.770	YES	5.288

Total F2 PeCDFs

16	Total F2 PeCD...	339.8597	24.61	272.693	3.1737	0.2320	1.07787	2.7786	0.047	1.550	YES	5.948
16	Total F2 PeCD...	339.8597	24.52	256.660	2.9871	2.3720	1.07787	2.7786	0.933	1.550	YES	4.750
16	Total F2 PeCD...	339.8597	23.94	48.230	0.5613	0.3420	1.07787	2.7786	0.589	1.550	YES	2.447
16	Total F2 PeCD...	339.8597	23.64	1297.684	15.1029	9.5260	1.07787	2.7786	0.622	1.550	YES	16.025
16	Total F2 PeCD...	339.8597	23.38	341.352	3.9728	3.2110	1.07787	2.7786	0.966	1.550	YES	5.435
16	Total F2 PeCD...	339.8597	27.13	29.254	0.3405	0.2020	1.07787	2.7786	0.564	1.550	YES	1.571
15	2,3,4,7,8-PeCDF	339.8597	26.78	220.369	2.5979	1.5480	1.06412	2.8145	0.568	1.550	YES	3.952
14	1,2,3,7,8-PeCDF	339.8597	25.22	723.526	8.3145	8.3150	1.09163	2.7435	1.665	1.550	NO	7.275
16	Total F2 PeCD...	339.8597	25.06	137.642	1.6019	1.0900	1.07787	2.7786	2.748	1.550	YES	2.672

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325, Task:

Total F1 PeCDFs

17	Total F1 PeCD...	339.8597	21.75	654.977	7.6228	6.7240	1.07787	2.1840	1.891	1.550	YES	7.585
17	Total F1 PeCD...	339.8597	17.84	45.664	0.5315	0.2670	1.07787	2.1840	0.439	1.550	YES	2.360

Total PeCDDs

21	Total PeCDDs	355.8546	26.83	11.443	0.2038	0.1670	0.96030	2.5643	2.115	1.550	YES	1.040
21	Total PeCDDs	355.8546	25.30	40.406	0.7197	0.5380	0.96030	2.5643	2.409	1.550	YES	2.007
21	Total PeCDDs	355.8546	25.19	107.438	1.9136	0.8300	0.96030	2.5643	4.880	1.550	YES	2.594
21	Total PeCDDs	355.8546	24.44	25.569	0.4554	0.3770	0.96030	2.5643	2.083	1.550	YES	1.665
21	Total PeCDDs	355.8546	23.86	124.281	2.2136	1.6580	0.96030	2.5643	2.404	1.550	YES	4.153

Total HxCDFs

28	2,3,4,6,7,8-Hx...	373.8208	32.90	363.417	4.5264	3.5020	1.35233	0.8968	0.749	1.240	YES	18.357
30	Total HxCDFs	373.8208	32.85	263.969	3.3553	2.7380	1.32511	0.9153	1.745	1.240	YES	13.636
30	Total HxCDFs	373.8208	32.70	312.541	3.9726	3.4310	1.32511	0.9153	0.916	1.240	YES	14.320
30	Total HxCDFs	373.8208	32.48	471.022	5.9871	5.9870	1.32511	0.9153	1.173	1.240	NO	25.214
27	1,2,3,6,7,8-Hx...	373.8208	32.38	1312.415	15.3722	15.3720	1.43801	0.8434	1.131	1.240	NO	59.079
26	1,2,3,4,7,8-Hx...	373.8208	32.27	2048.905	26.2915	26.2920	1.31260	0.9240	1.267	1.240	NO	78.098
30	Total HxCDFs	373.8208	31.83	287.468	3.6540	3.3070	1.32511	0.9153	1.004	1.240	YES	15.060
30	Total HxCDFs	373.8208	31.62	319.880	4.0659	4.0660	1.32511	0.9153	1.163	1.240	NO	10.844
30	Total HxCDFs	373.8208	31.46	95.178	1.2098	0.9450	1.32511	0.9153	1.868	1.240	YES	5.237
30	Total HxCDFs	373.8208	31.24	1917.385	24.3715	24.3720	1.32511	0.9153	1.138	1.240	NO	77.862
30	Total HxCDFs	373.8208	31.03	1082.181	13.7554	13.7550	1.32511	0.9153	1.386	1.240	NO	35.177
30	Total HxCDFs	373.8208	33.60	276.829	3.5187	2.5370	1.32511	0.9153	2.107	1.240	YES	12.066
29	1,2,3,7,8,9-Hx...	373.8208	33.54	145.995	2.0534	2.0530	1.19752	1.0128	1.150	1.240	NO	8.993

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:46:32 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325, Task:

Total HxCDDs

36	Total HxCDDs	389.8157	32.52	206.756	3.8038	2.9550	1.04453	1.2408	0.754	1.240	YES	6.918
36	Total HxCDDs	389.8157	32.30	146.605	2.6971	2.6970	1.04453	1.2408	1.112	1.240	NO	5.965
36	Total HxCDDs	389.8157	31.79	53.266	0.9800	0.8220	1.04453	1.2408	1.669	1.240	YES	2.068
36	Total HxCDDs	389.8157	31.75	108.939	2.0042	1.5280	1.04453	1.2408	0.730	1.240	YES	5.827
35	1,2,3,7,8,9-Hx...	389.8157	33.87	28.934	0.5256	0.1780	1.05784	1.2252	5.623	1.240	YES	1.184
34	1,2,3,6,7,8-Hx...	389.8157	33.37	120.203	2.1109	0.6900	1.09425	1.1844	5.852	1.240	YES	3.105
33	1,2,3,4,7,8-Hx...	389.8157	33.11	95.909	1.8778	1.6960	0.98150	1.3205	1.000	1.240	YES	4.334

Total HpCDFs

40	1,2,3,4,7,8,9-H...	407.7818	36.07	1166.541	18.2870	18.2870	1.23081	1.4126	1.165	1.040	NO	37.611
41	Total HpCDFs	407.7818	35.23	1280.382	18.3429	18.3430	1.34680	1.2910	0.934	1.040	NO	46.721
41	Total HpCDFs	407.7818	35.11	865.376	12.3975	11.1830	1.34680	1.2910	0.851	1.040	YES	32.536
39	1,2,3,4,6,7,8-H...	407.7818	34.90	4629.840	61.0681	53.7120	1.46280	1.1886	1.319	1.040	YES	146.629

Total HpCDDs

45	Total HpCDDs	423.7766	35.16	680.582	14.3572	14.3570	1.05453	1.3166	0.926	1.040	NO	43.446
45	Total HpCDDs	423.7766	34.59	19.290	0.4069	0.4070	1.05453	1.3166	1.069	1.040	NO	2.160
45	Total HpCDDs	423.7766	36.73	61.857	1.3049	1.3050	1.05453	1.3166	0.961	1.040	NO	3.049
44	1,2,3,4,6,7,8-H...	423.7766	35.74	536.598	11.3198	11.3200	1.05453	1.3166	1.071	1.040	NO	33.683

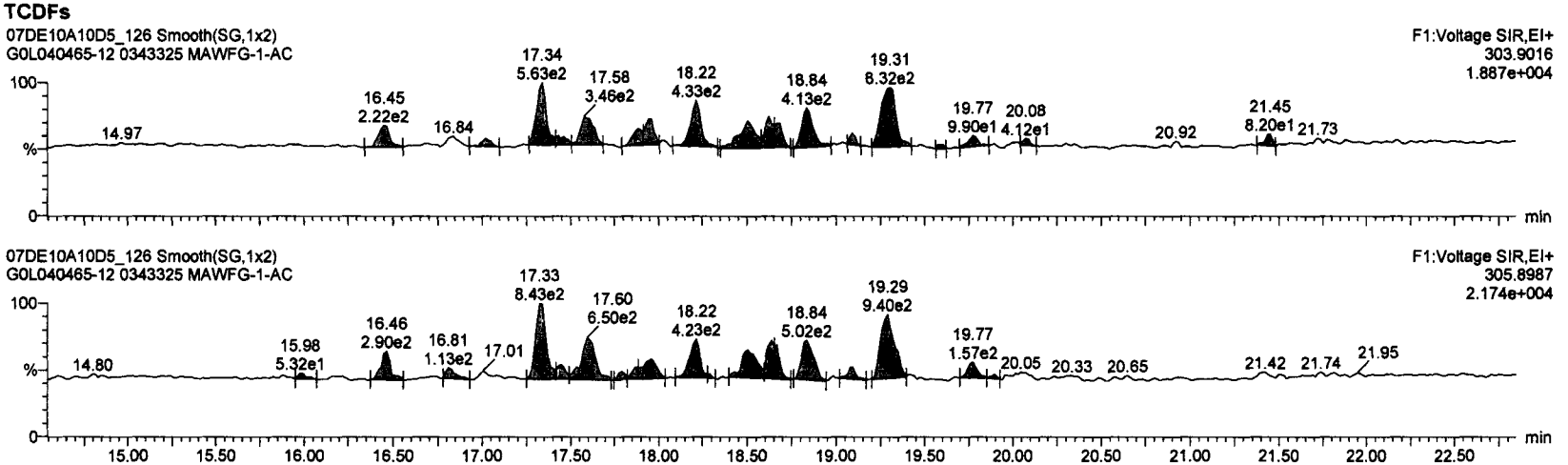
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

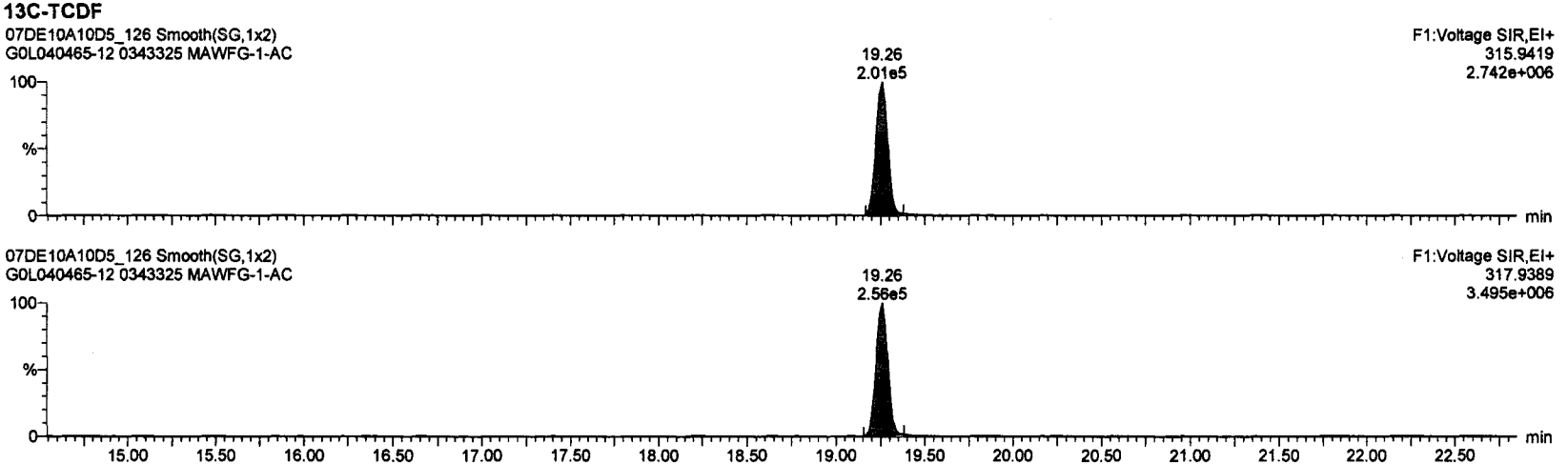
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

TCDFs



13C-TCDF



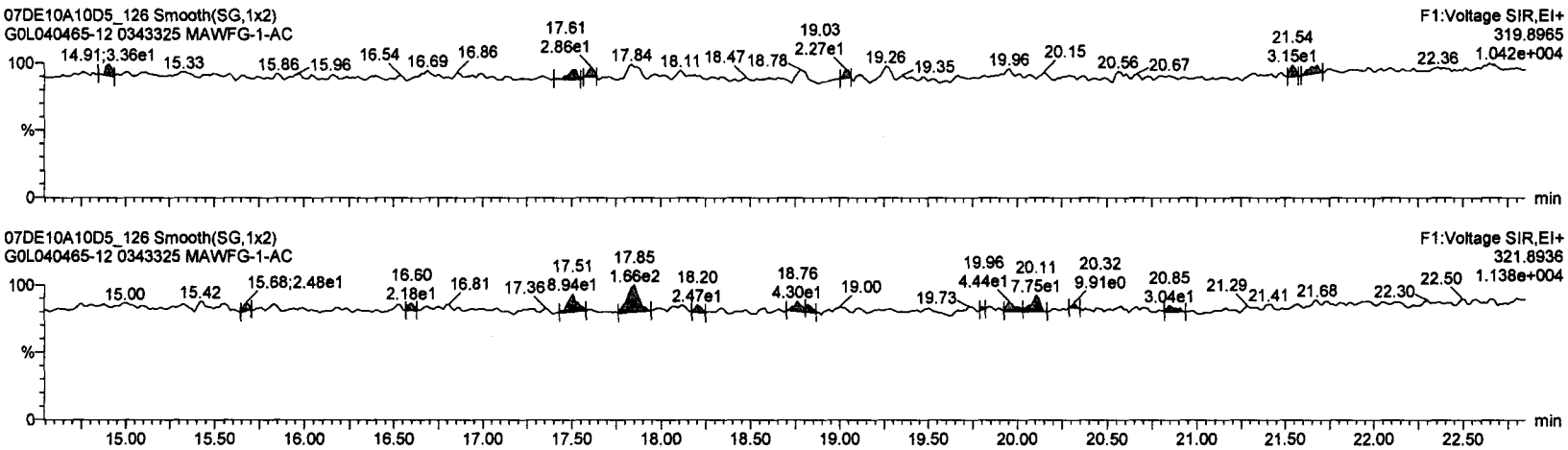
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

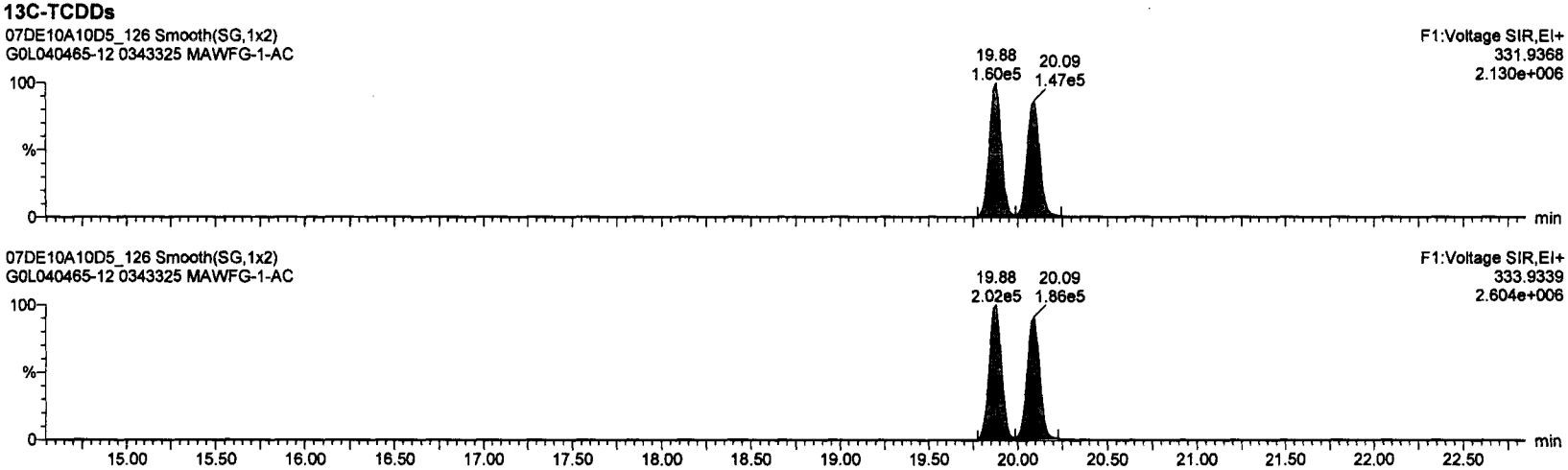
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

TCDDs



13C-TCDDs



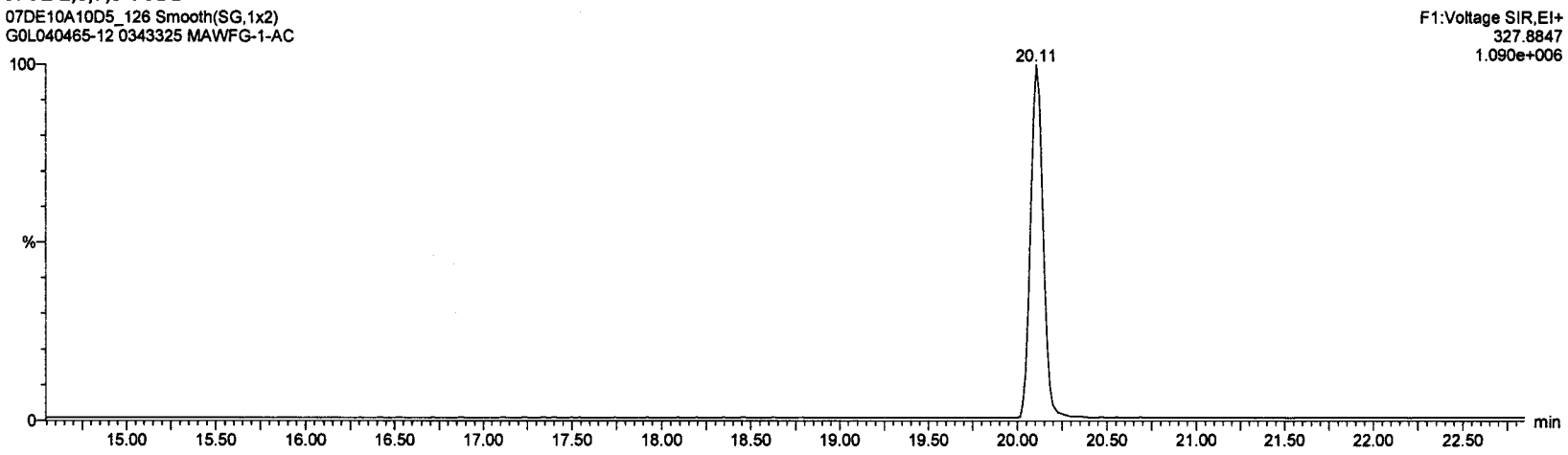
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

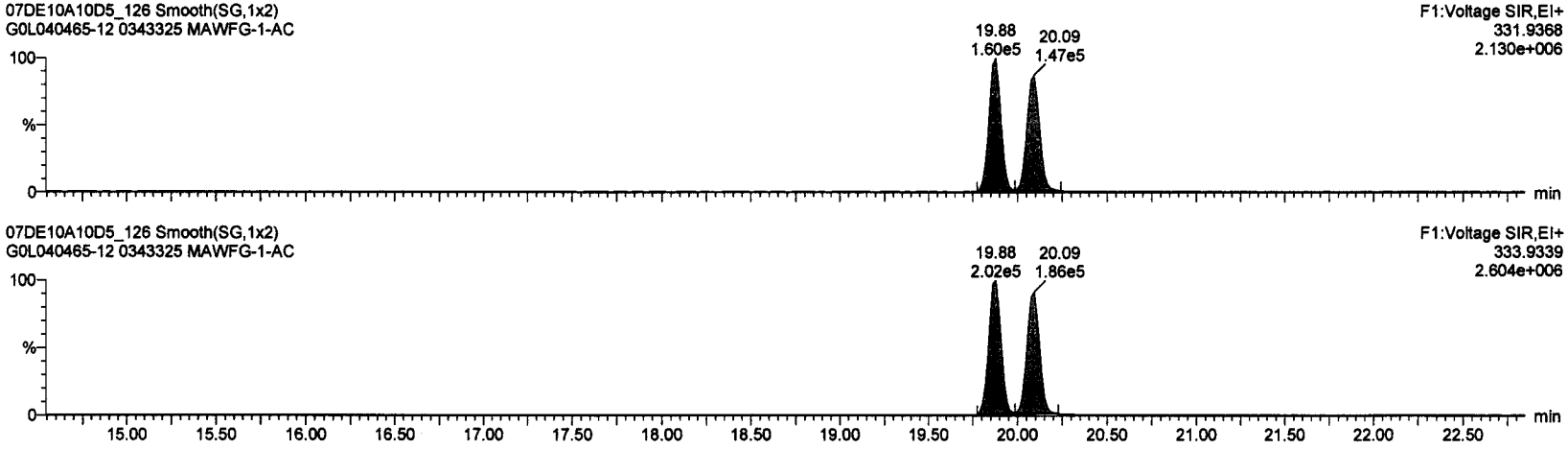
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

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



13C-TCDDs



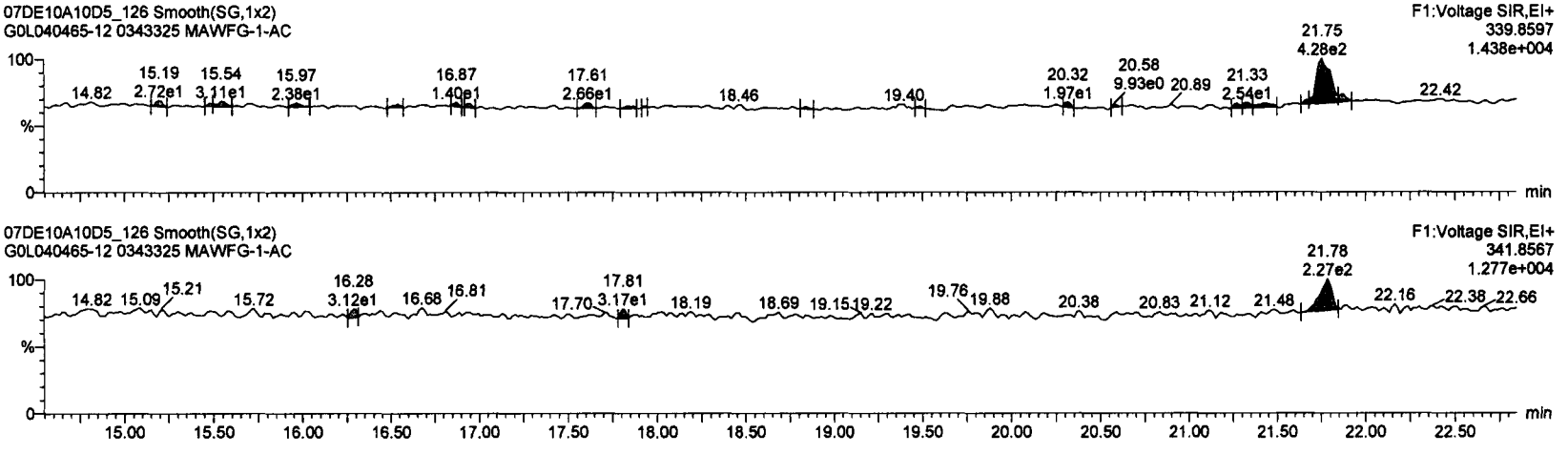
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

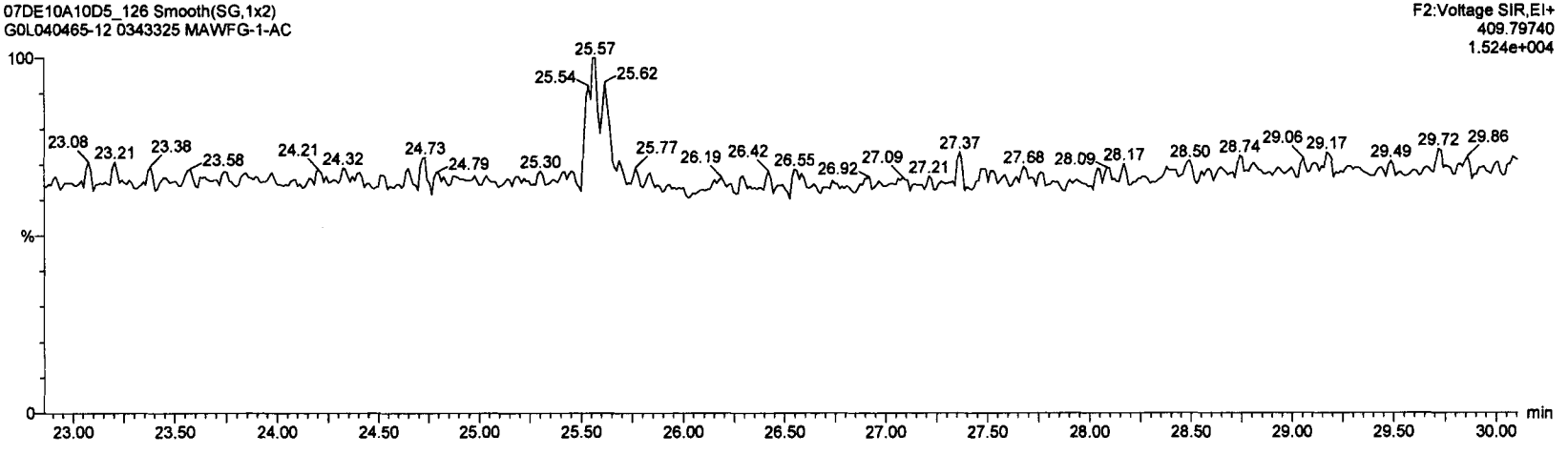
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

F1 PeCDFs



F1 PeCDF PCDPE



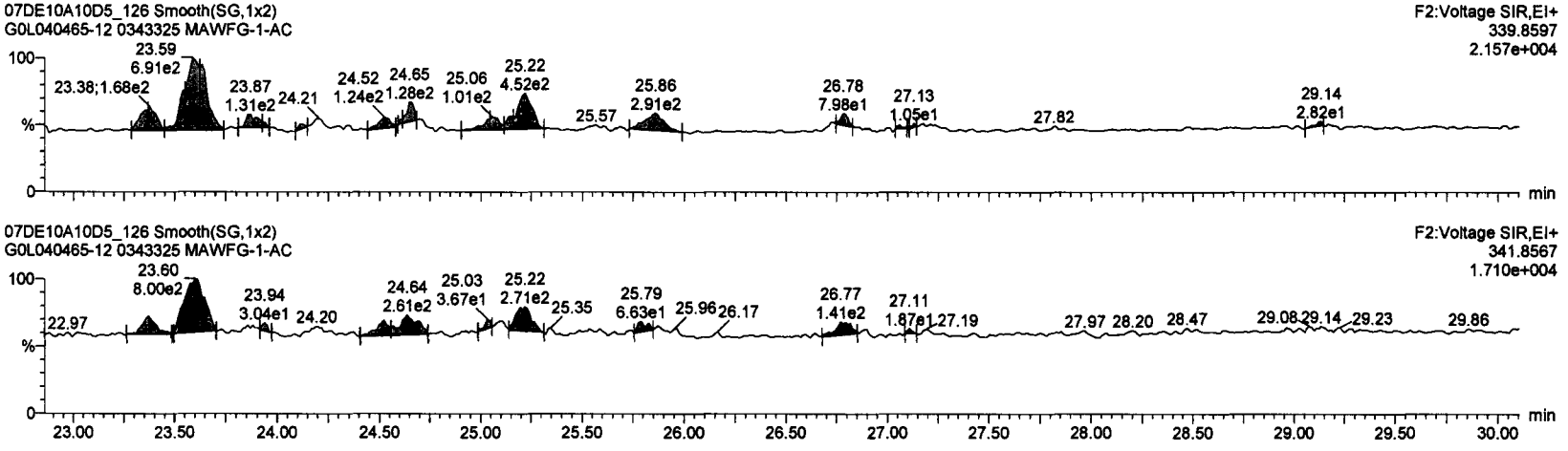
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

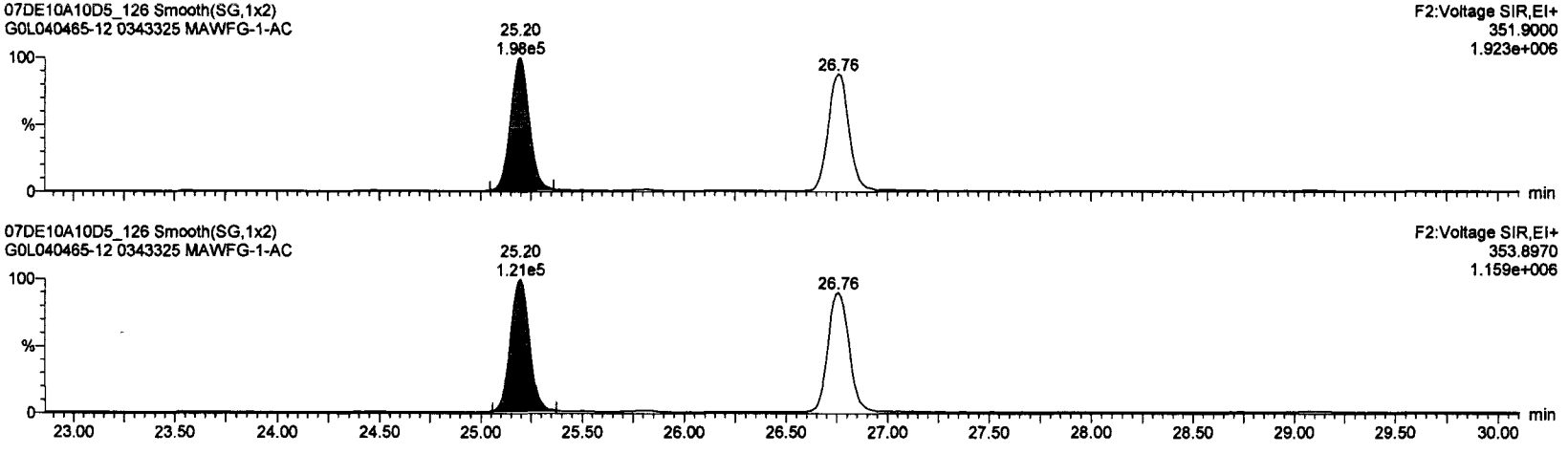
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

PeCDFs



13C-PeCDFs



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

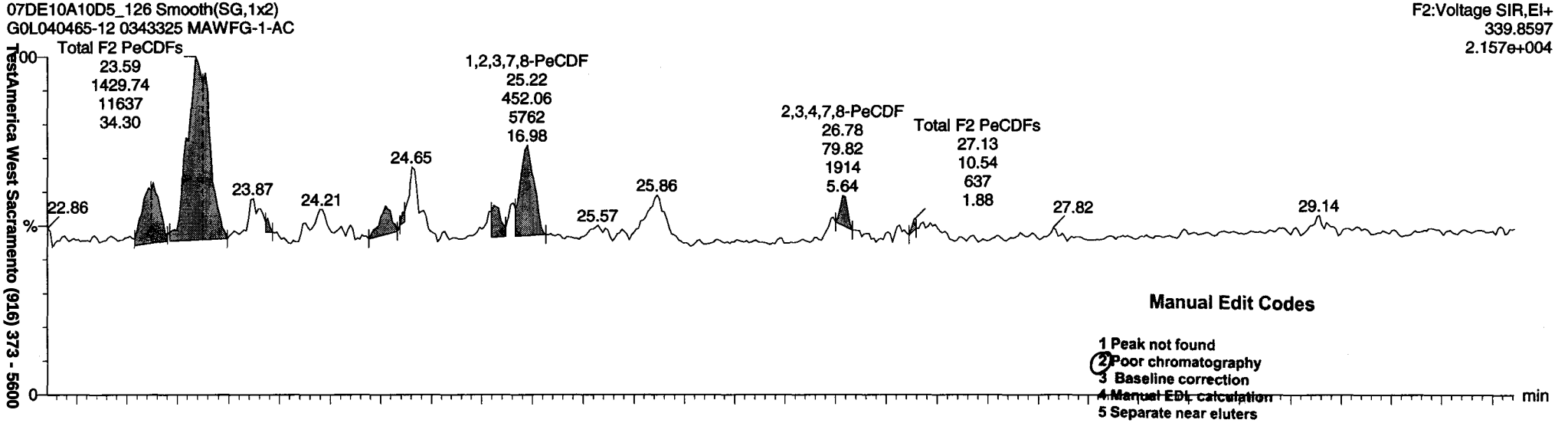
Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:39:08 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:39:52 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

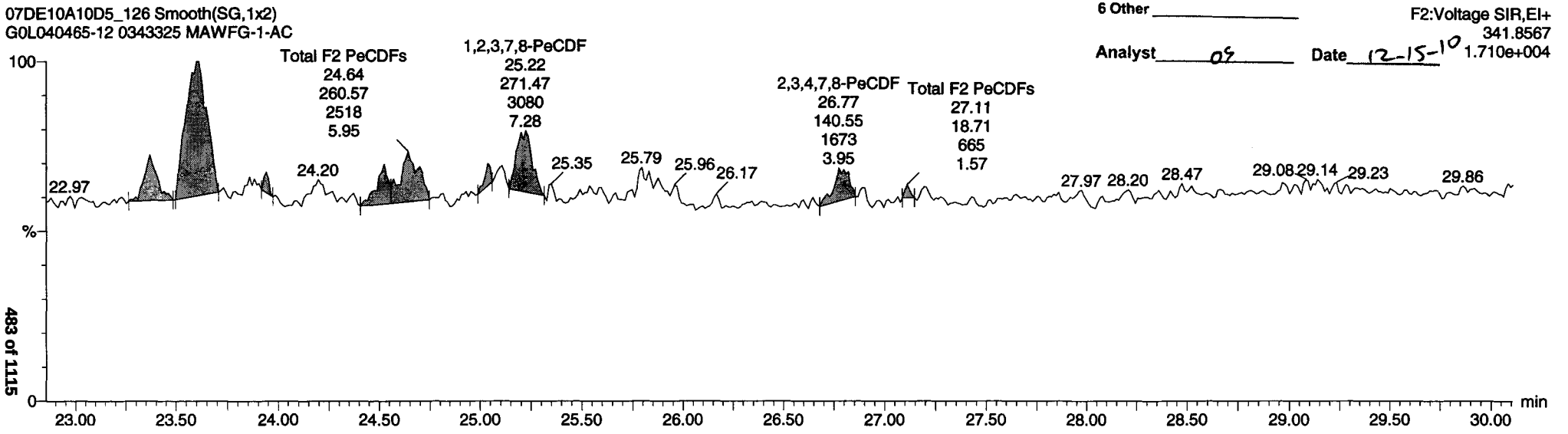
Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 07DE10A10D5_126



Manual Edit Codes

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



Analyst OS Date 12-15-10

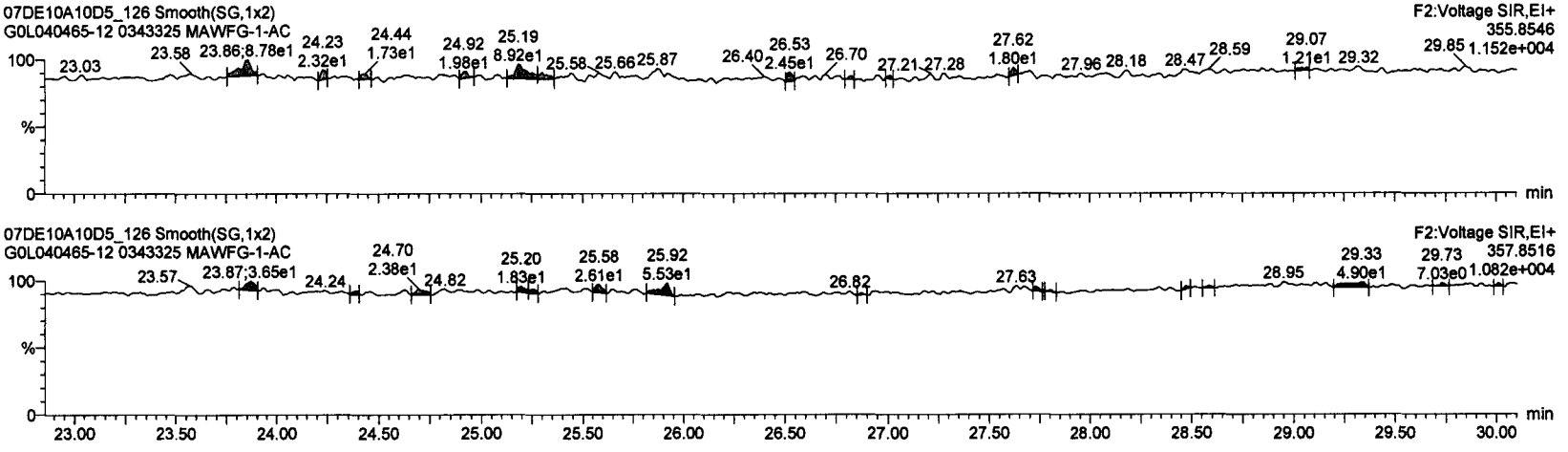
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

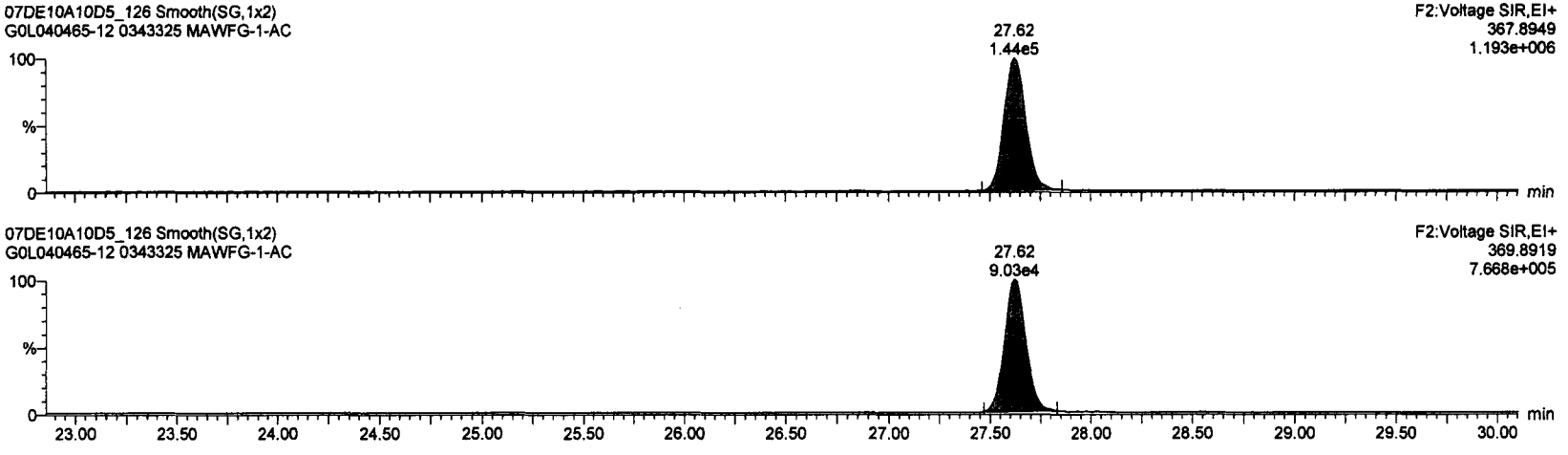
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

PeCDDs



13C-PeCDD



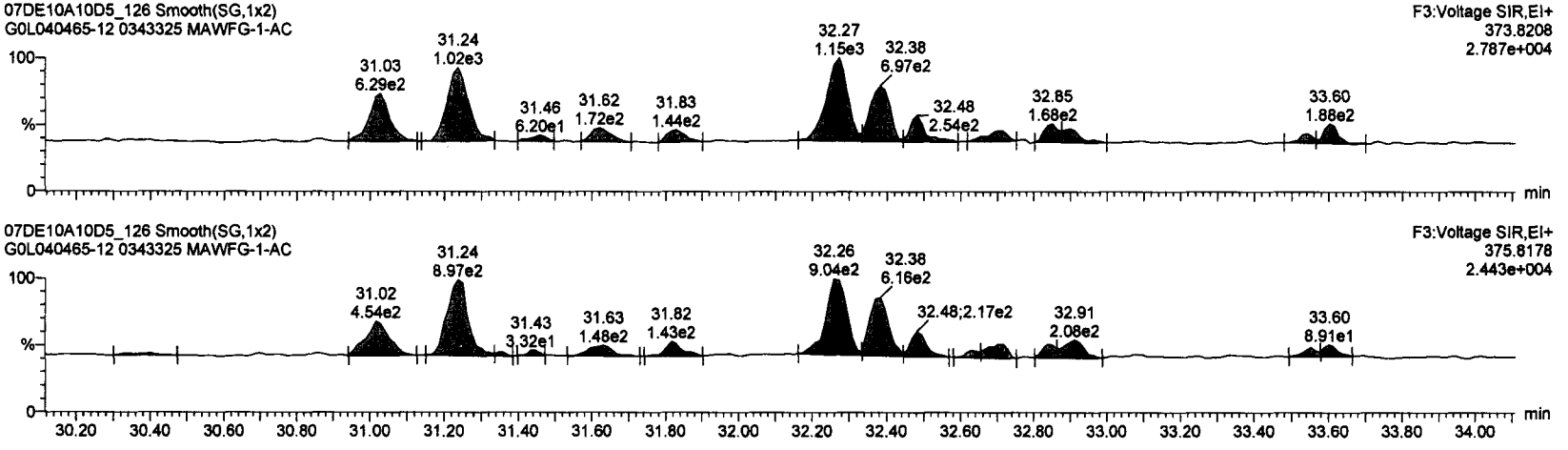
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

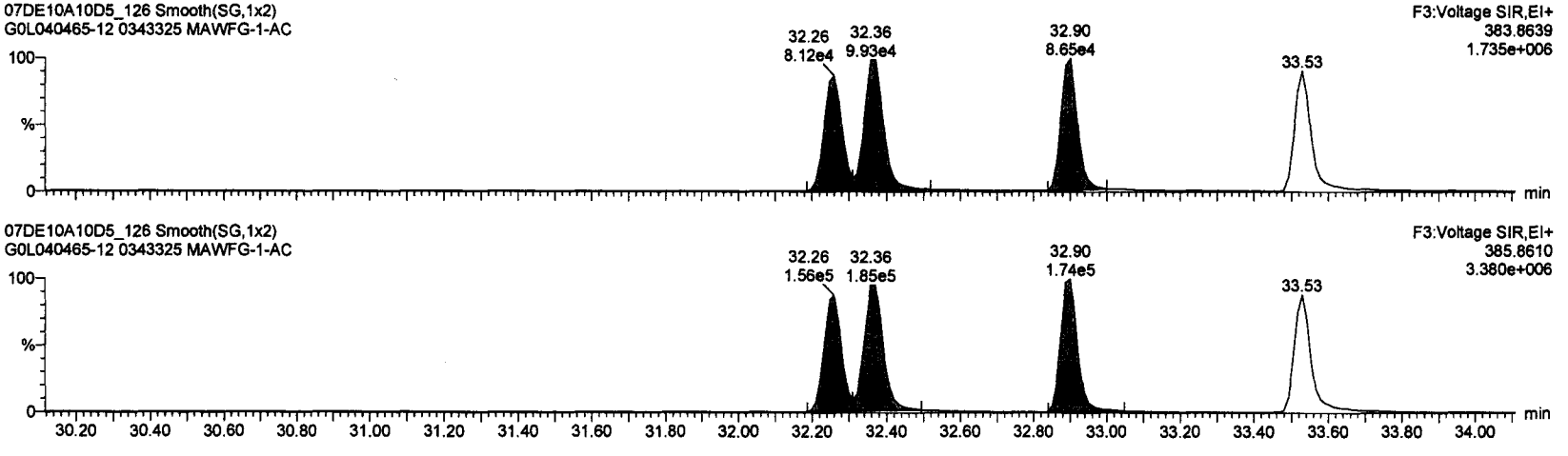
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

HxCDFs



13C-HxCDFs



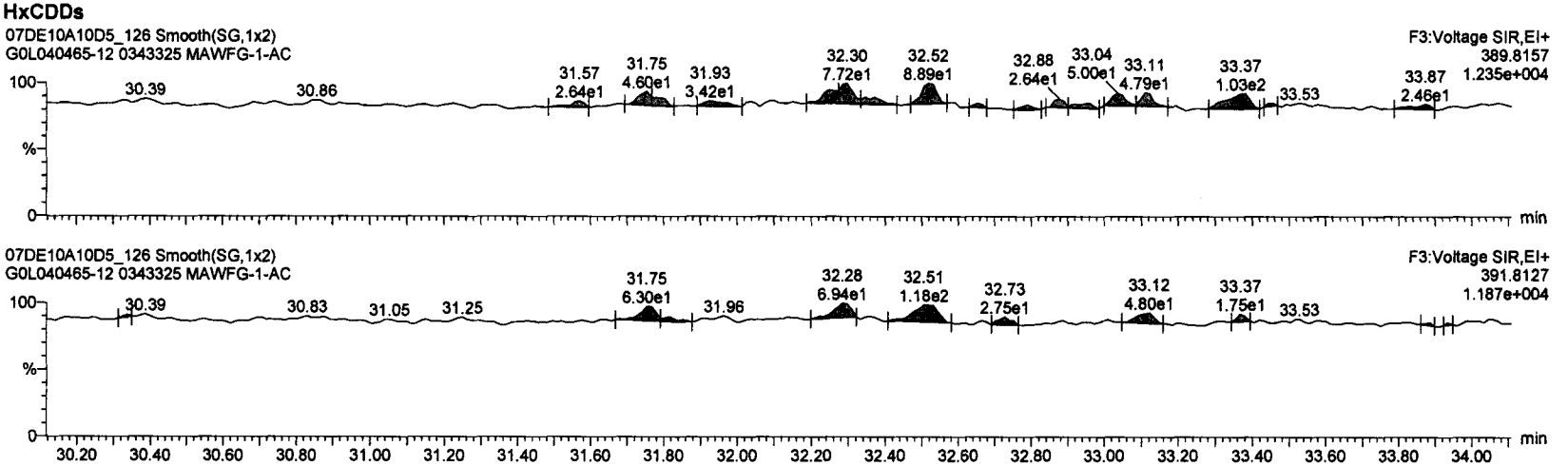
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

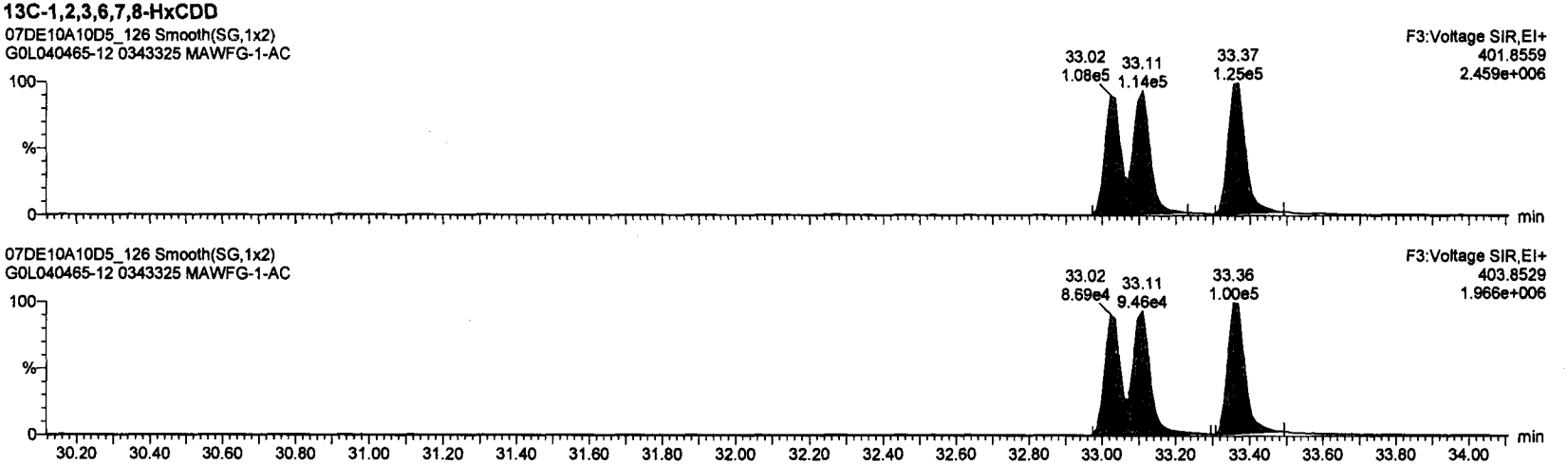
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

HxCDDs



13C-1,2,3,6,7,8-HxCDD

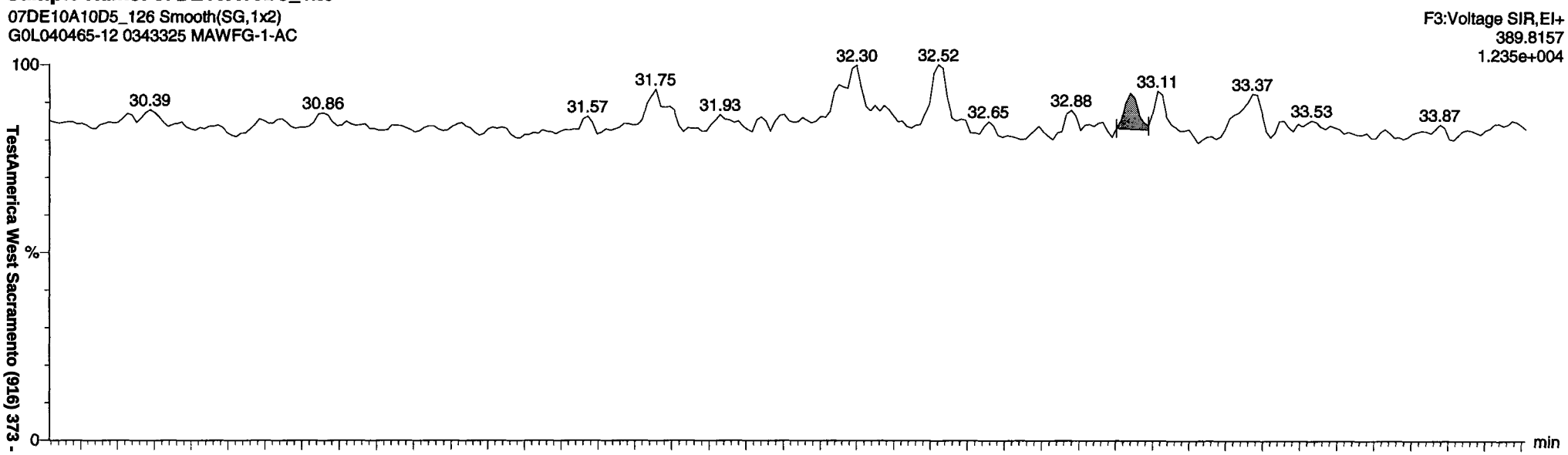


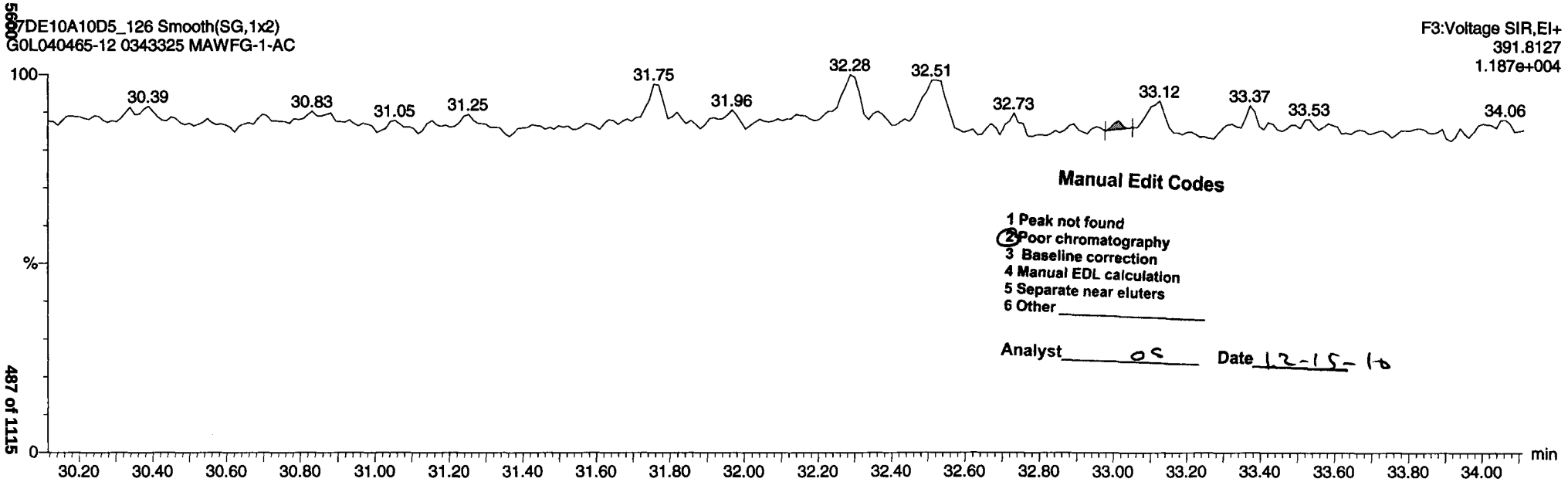
Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:00:29 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:33:22 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 07DE10A10D5_126





Manual Edit Codes

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

Analyst OS Date 12-15-10

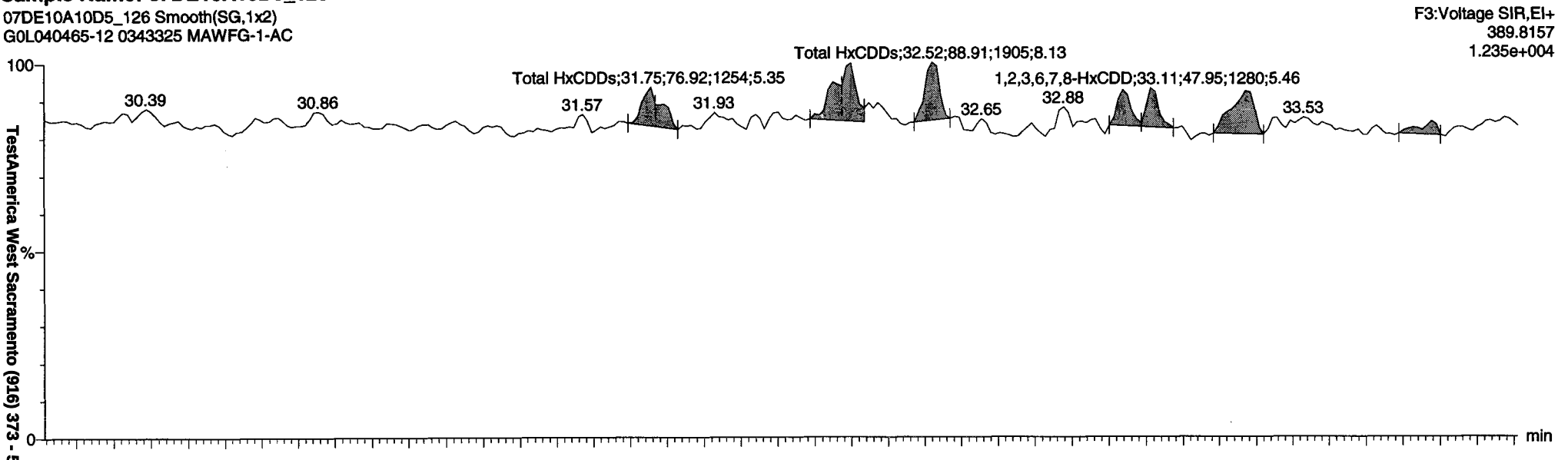
Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

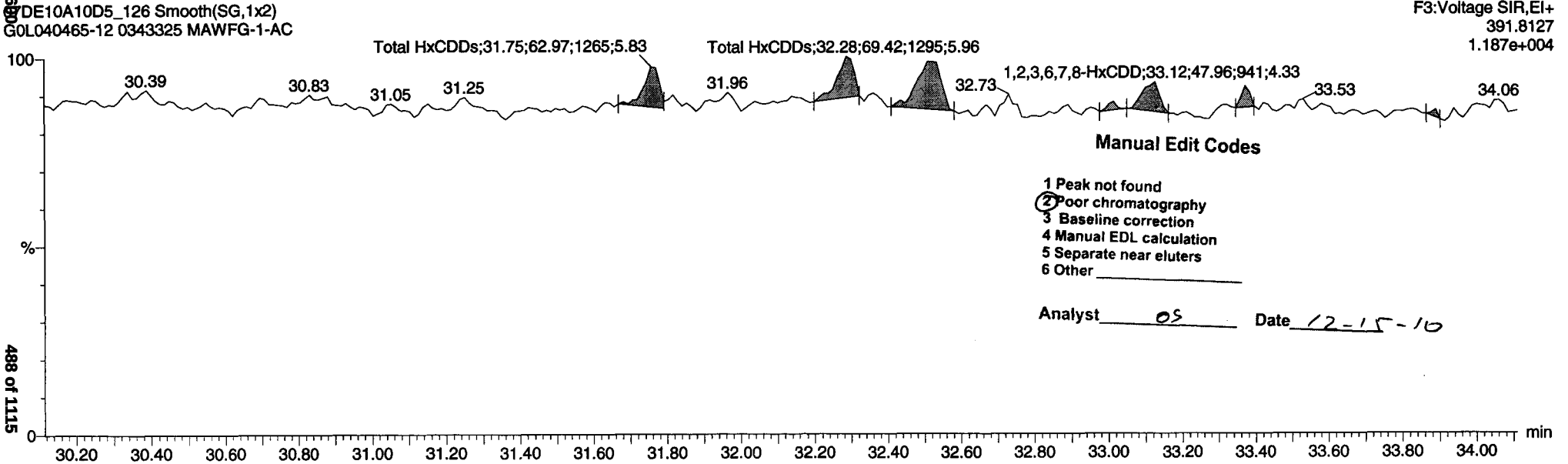
Dataset: \\sacsvr01\Instrument_Data\ATG\10D5\07DE10A10D5TO9JOS.qld

Last Altered: Wednesday, December 15, 2010 12:00:29 Pacific Standard Time
Printed: Wednesday, December 15, 2010 12:33:22 Pacific Standard Time

Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 07DE10A10D5_126





Manual Edit Codes

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

Analyst OS Date 12-15-10

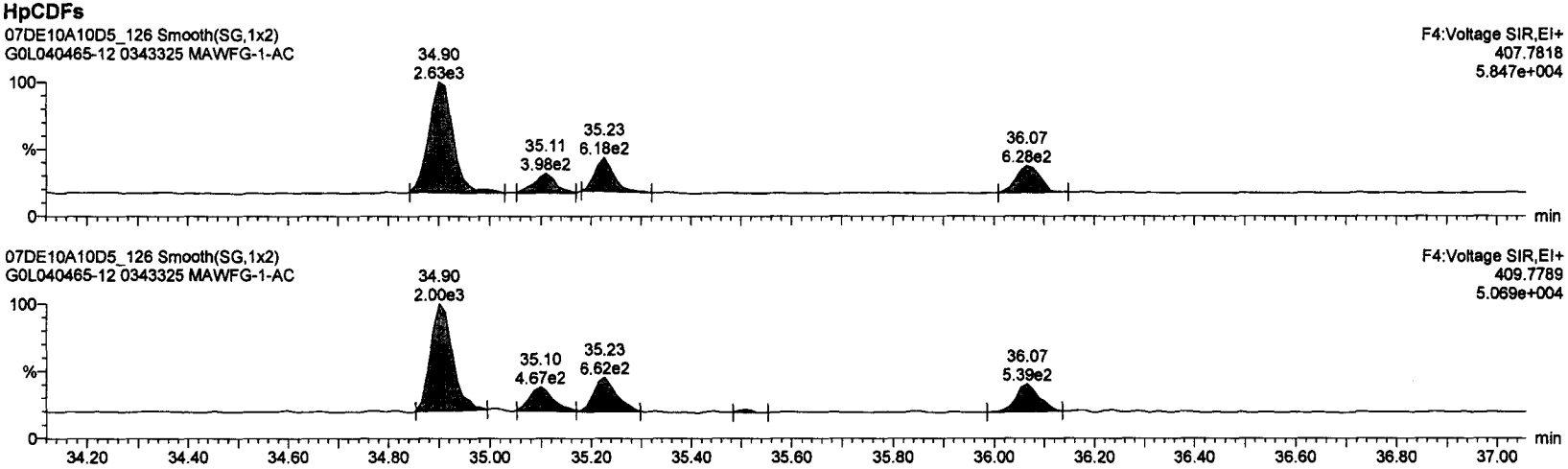
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

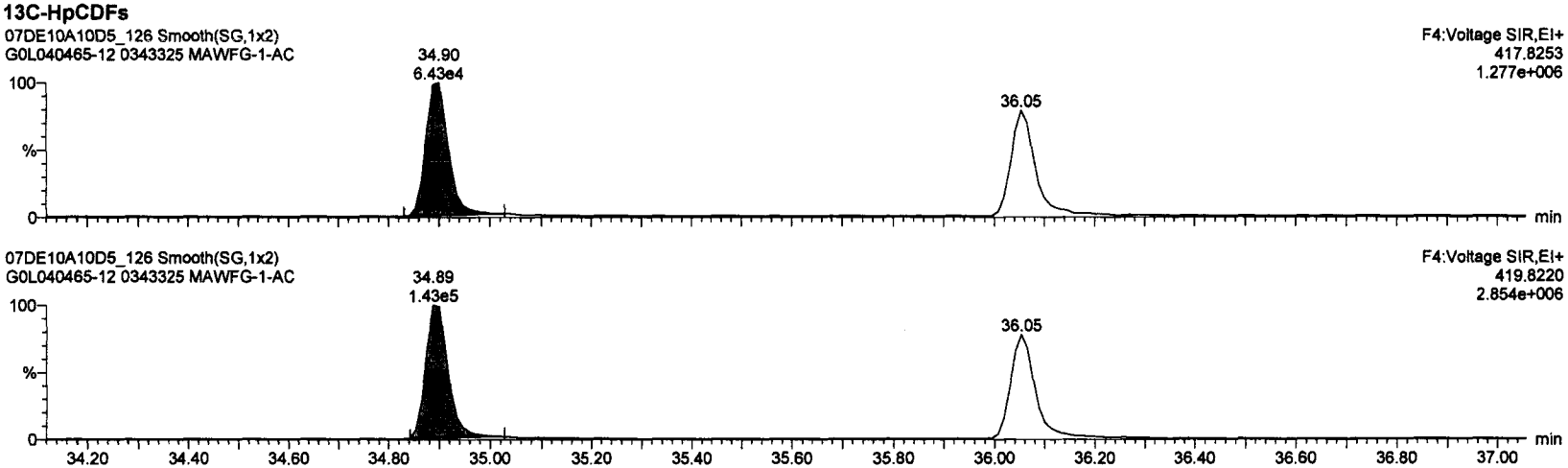
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

HpCDFs



13C-HpCDFs



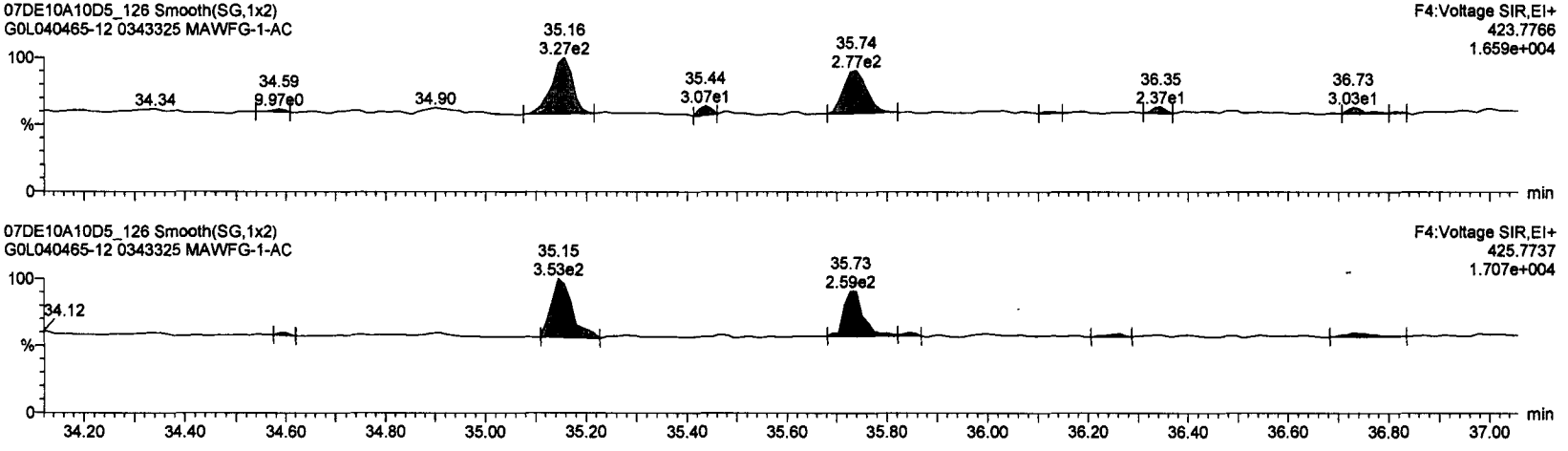
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

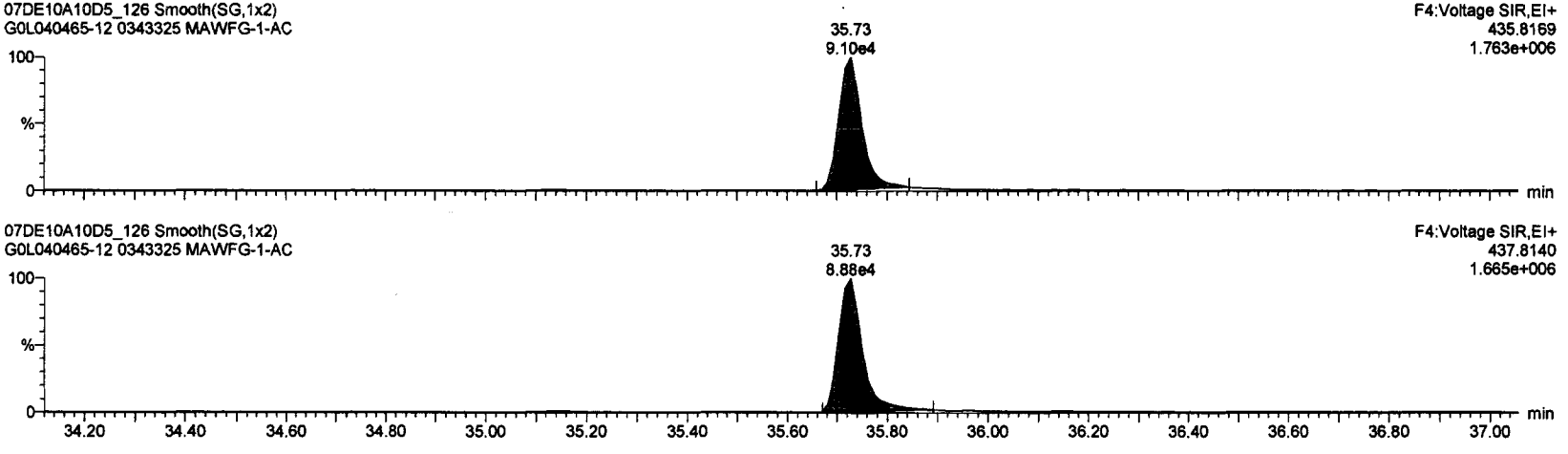
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



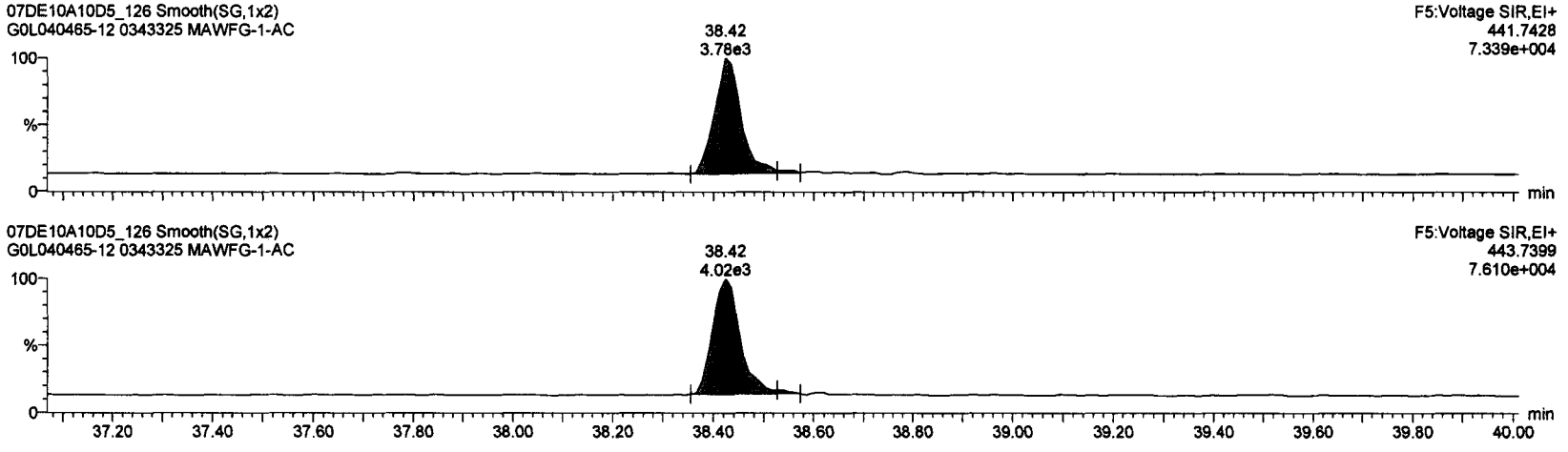
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

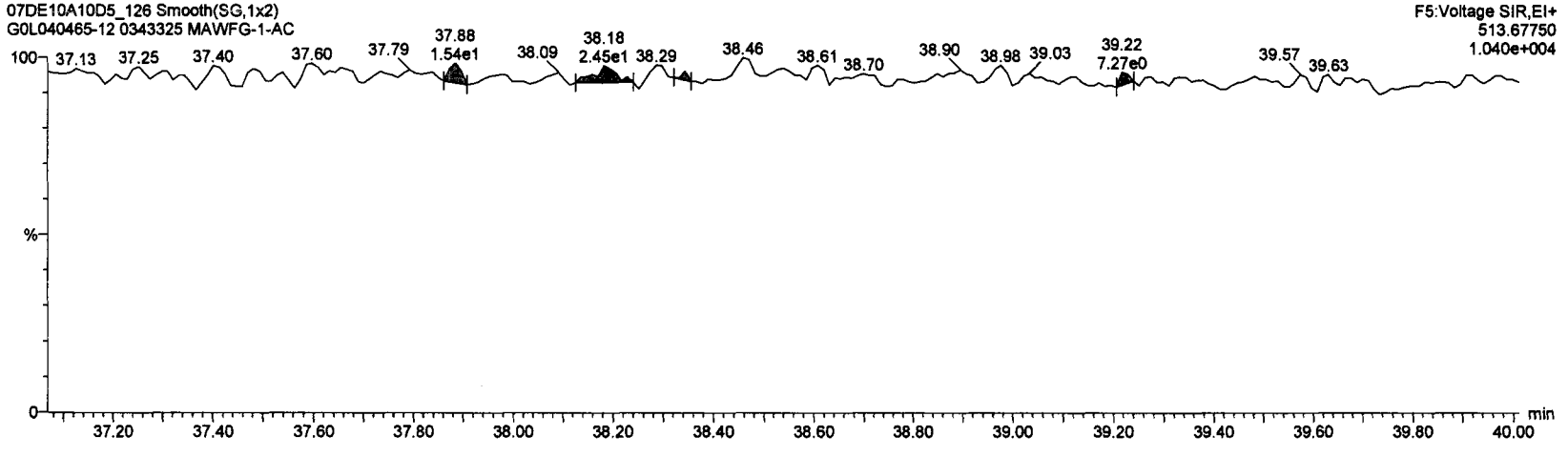
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

OCDFs



OCDF PCDPE



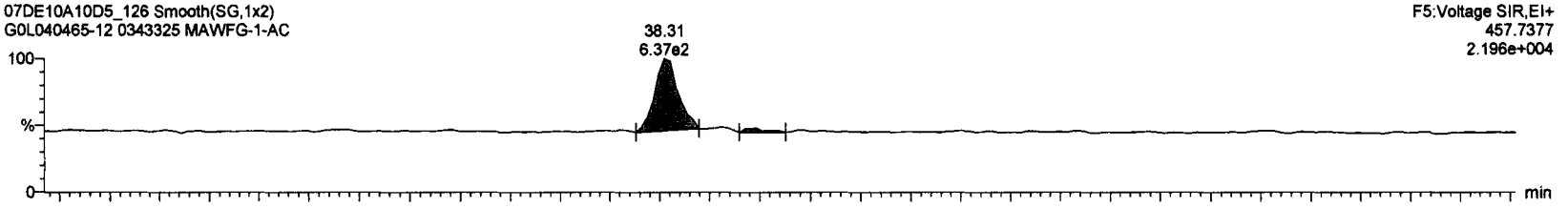
Quantify Sample Report **MassLynx 4.1**

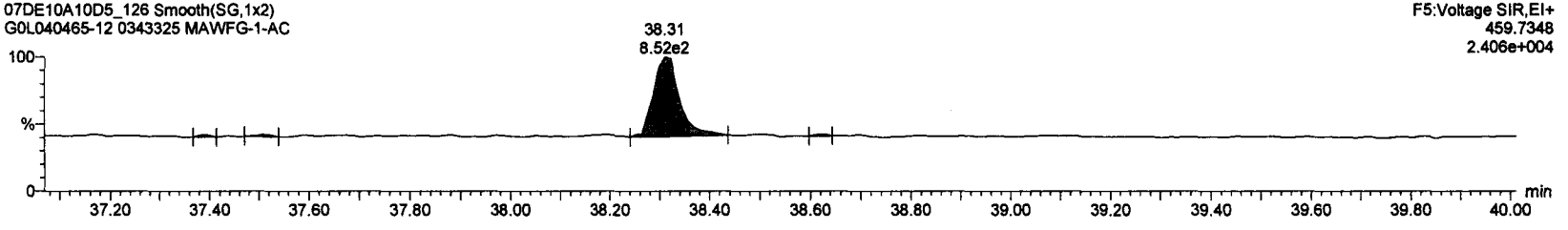
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

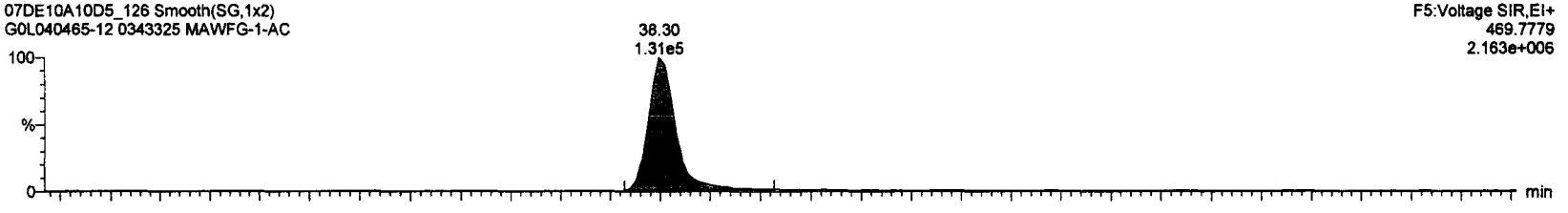
Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

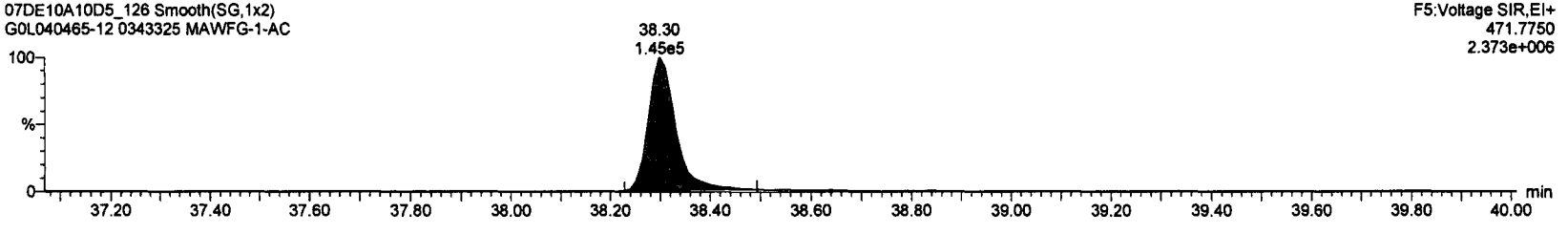
OCDD





13C-OCDD





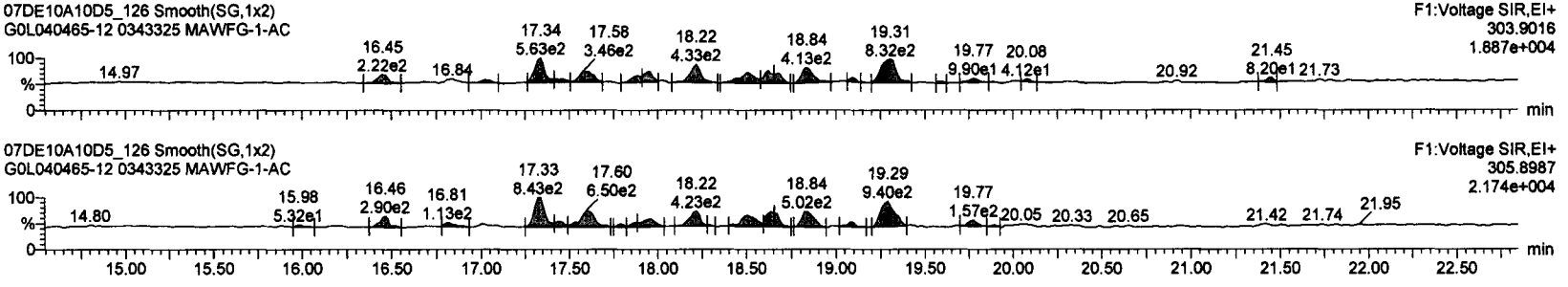
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

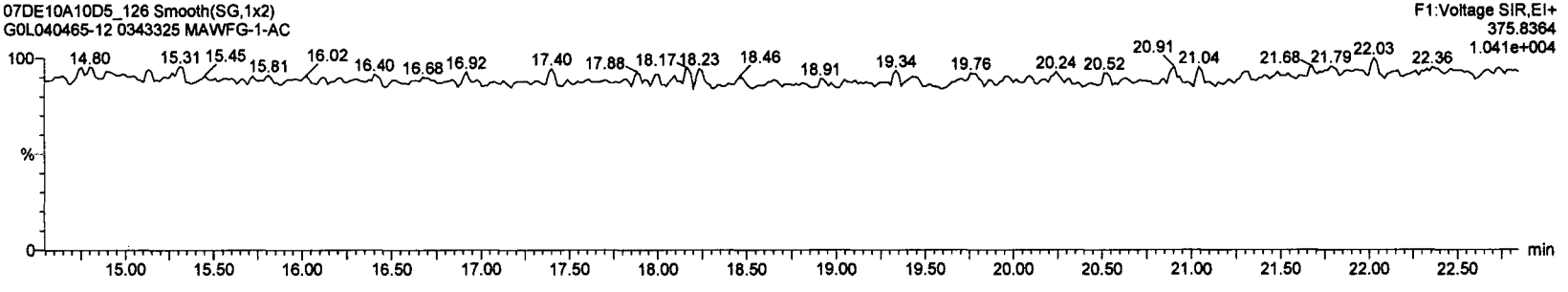
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

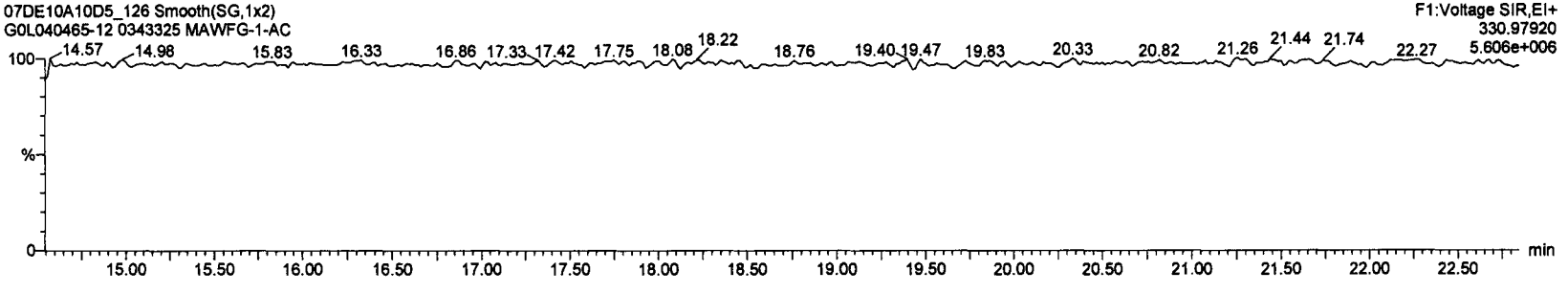
TCDFs



TCDF PCDPE



Function 1 PFK



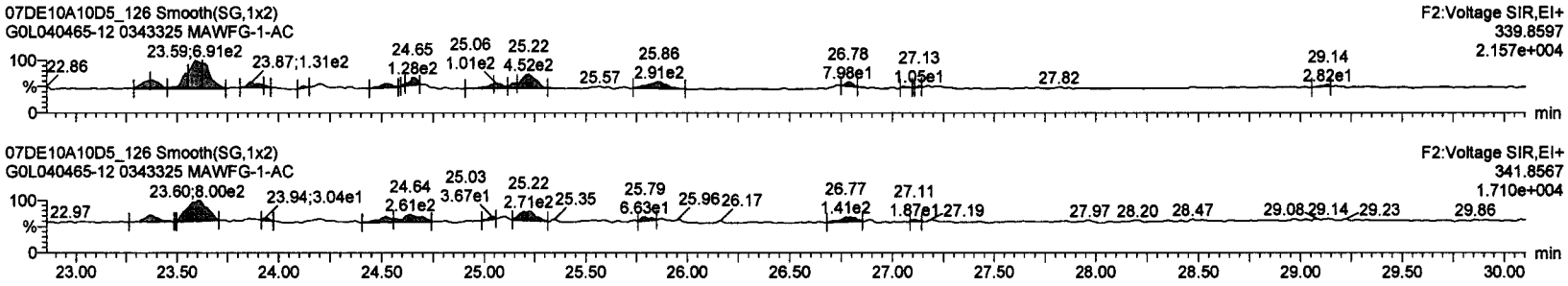
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

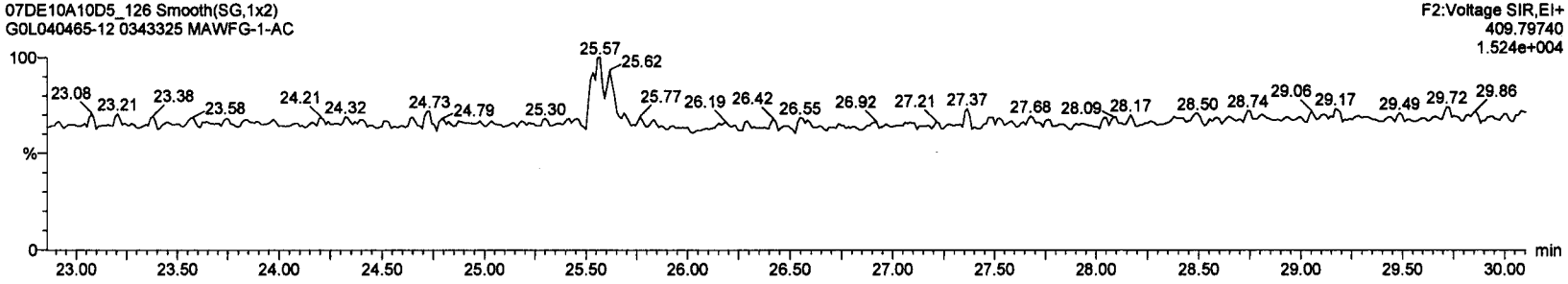
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

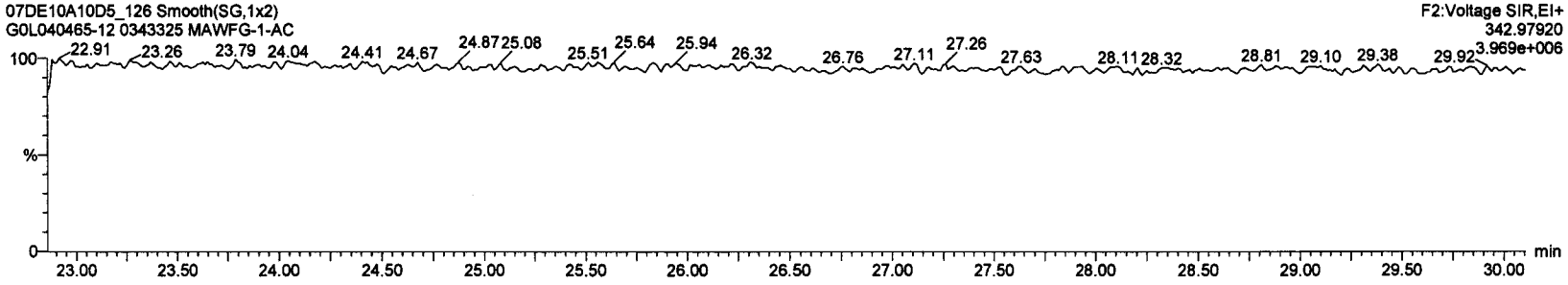
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



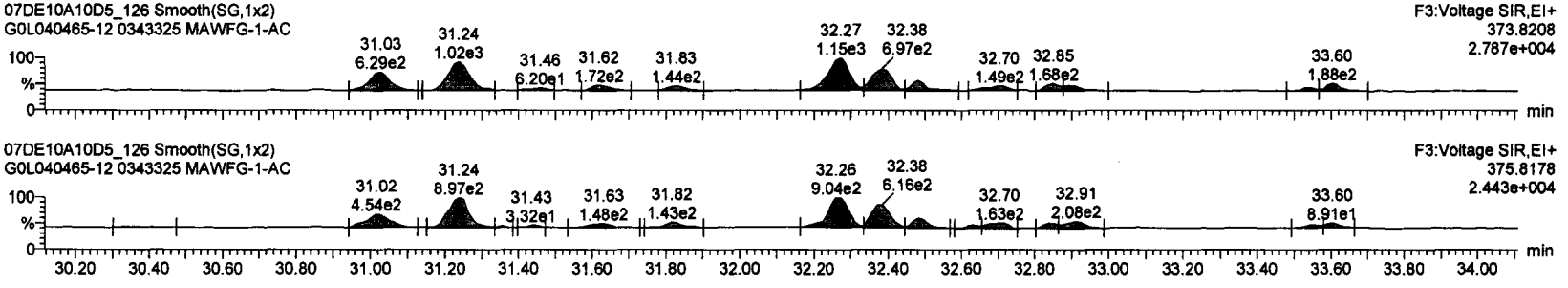
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

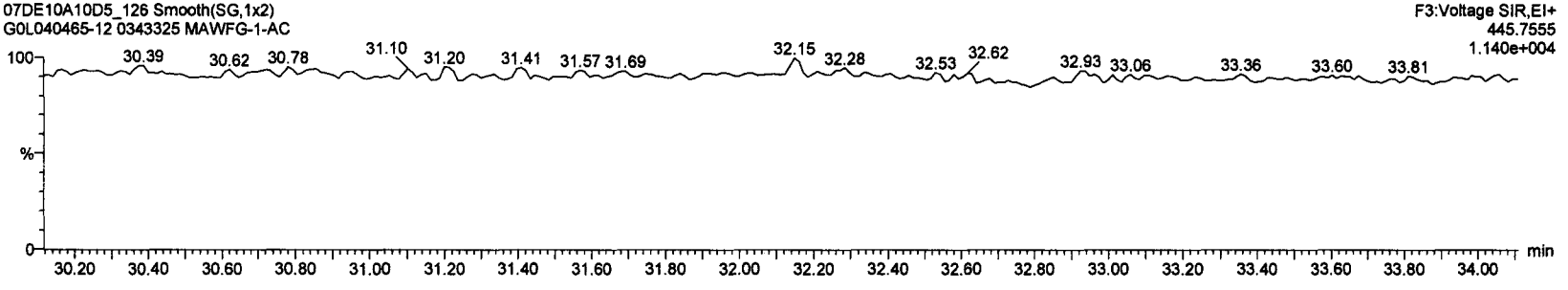
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

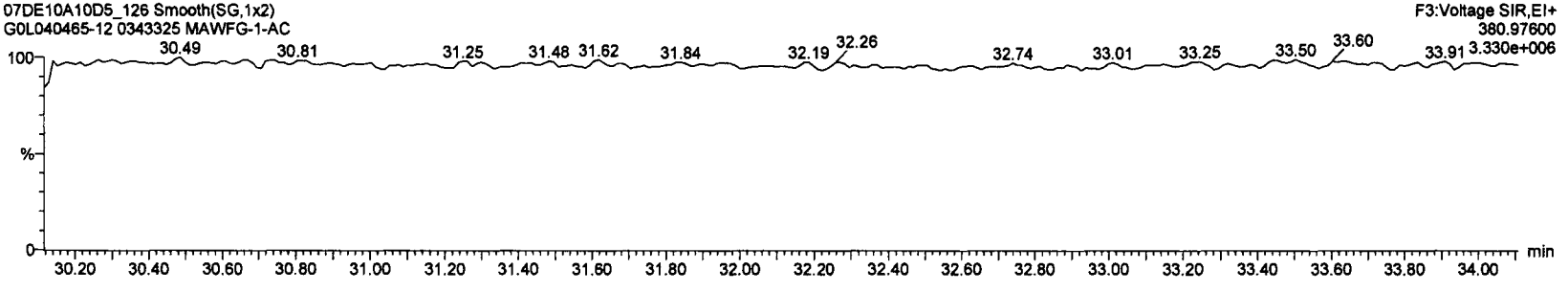
HxCDFs



HxCDF PCDPE



Function 3 PFK



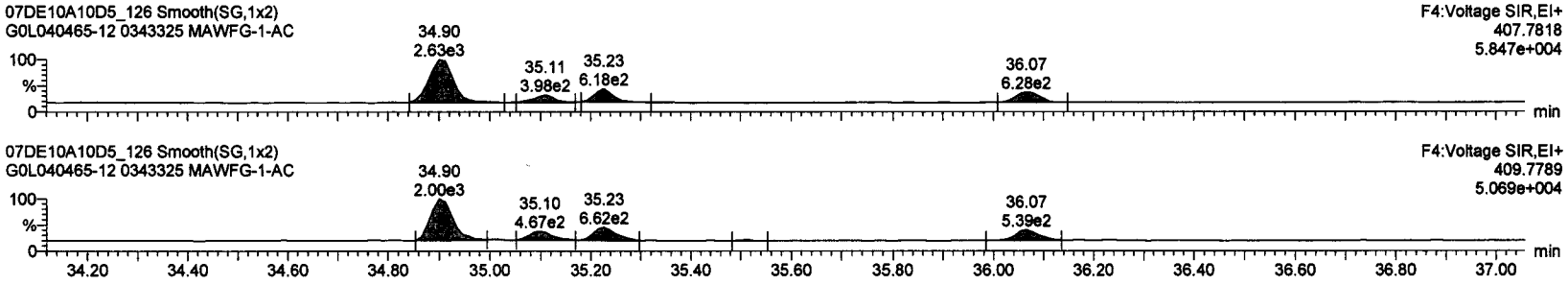
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

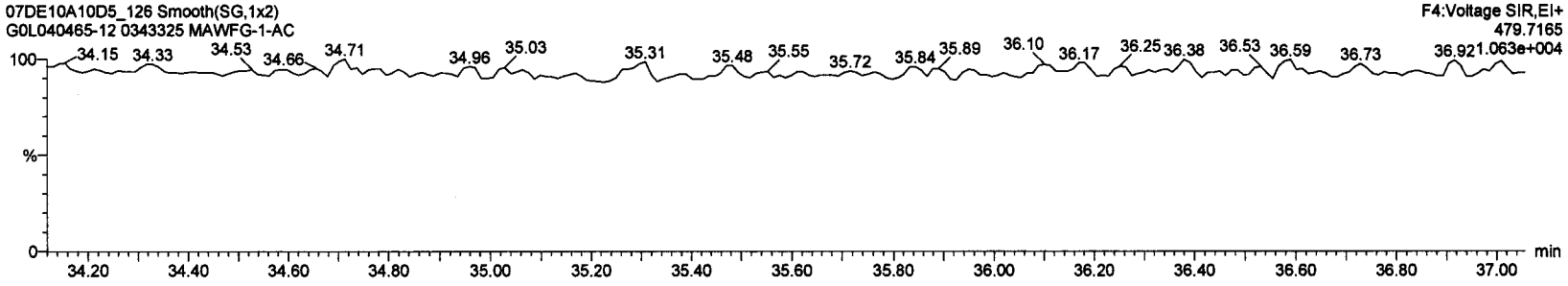
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

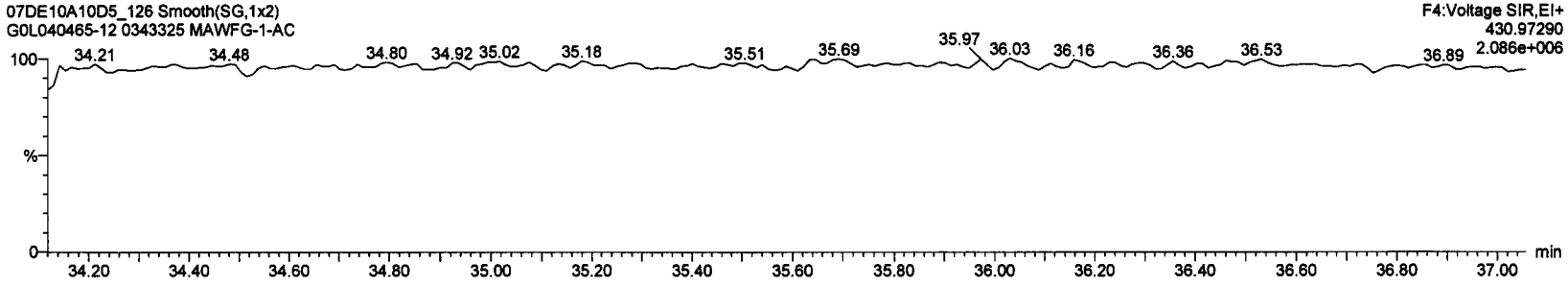
HpCDFs



HpCDF PCDPE



Function 4 PFK



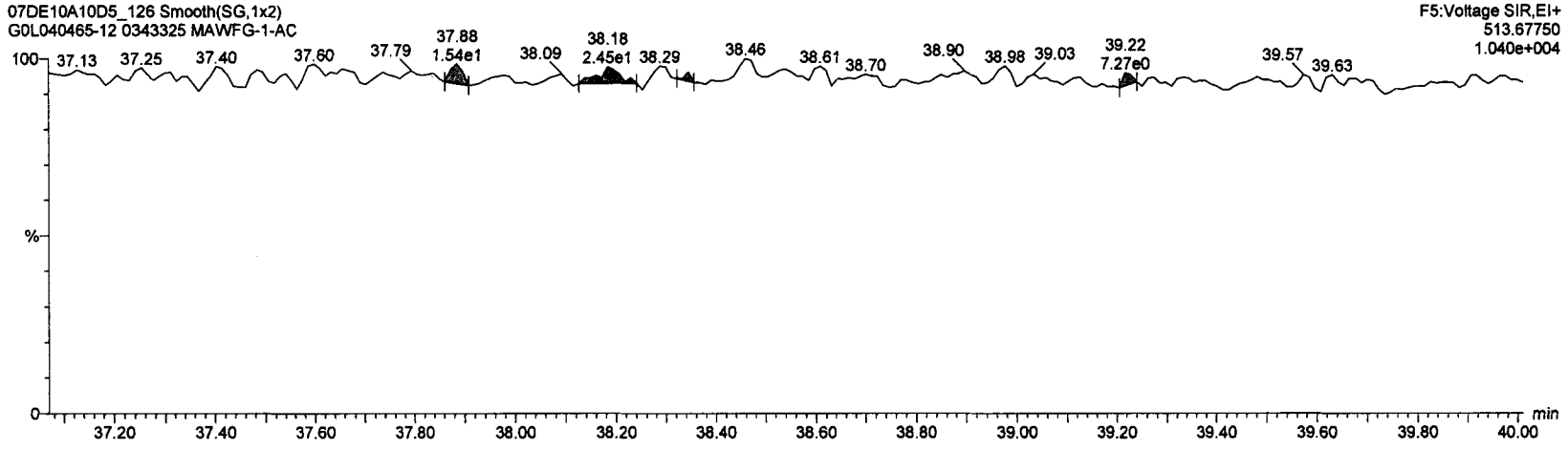
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

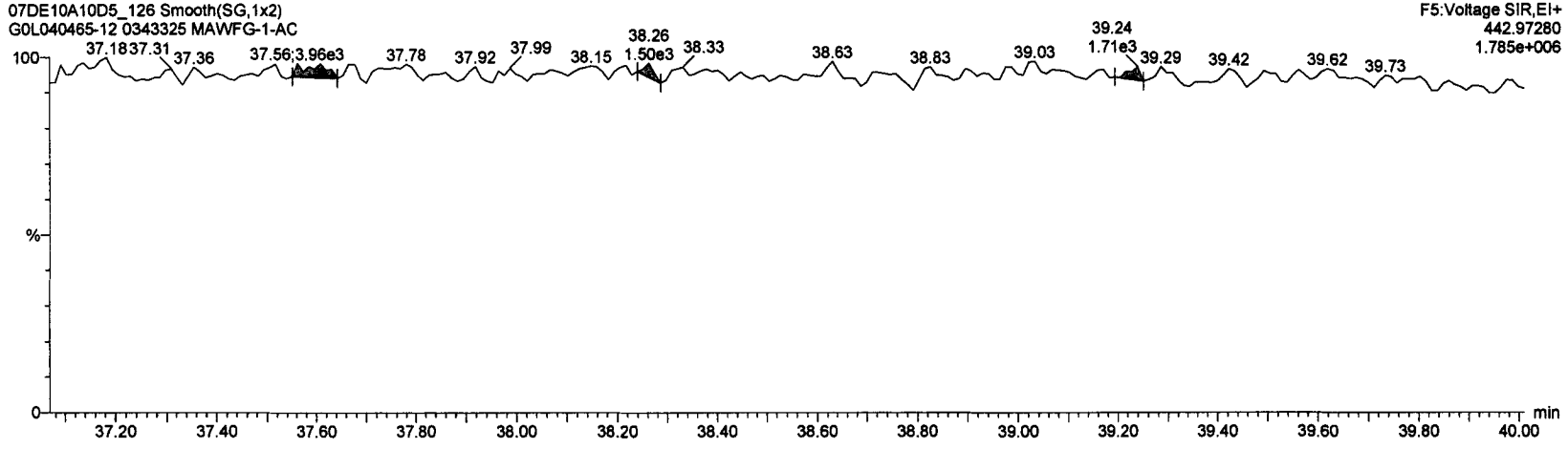
Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 12:47:18 Pacific Standard Time

Name: 07DE10A10D5_126, Date: 11-Dec-2010, Time: 16:19:13, ID: MAWFG-1-AC, Description: G0L040465-12 0343325

OCDF PCDPE



Function 5 PFK



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID TO9 **Associated ICAL** ICA09291010D5TO9

Column ID DB5 **Instrument ID** 10D5

STD ID ST1207J, ST1207K **STD Solution** 10DXN505

Analyzed by MG **Date Analyzed** 12/11/10, 12/11/10

Std. Pkg. By JRB **Date Std. Pkg. Assembled** 12/13/10

Std. Pkg. Reviewed By NK **Date Std. Pkg. Reviewed** 12/13/10

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

COMMENTS:

* **Method 8290/TO9/M0023A: (beginning)** ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** **Method 23/0023A CPSM Criteria**: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:25:47 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 15 Dec 2010 13:24:35
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	Ratio	Ratio ...	Mod Data
1	13C-1,2,3,4-TCDD	375942	19.87	19.87	1.00000	1.00000	100.00	0.0	100.0	0.788	NO	
2												
3	13C-2,3,7,8-TCDF	516729	19.26	19.26	1.31203	1.37449	104.76	4.8	104.8	0.789	NO	
4	2,3,7,8-TCDF	45793	19.28	19.26	0.99766	0.88621	8.88	-11.2	88.8	0.799	NO	
5	Total TCDFs			21.44	0.99766		8.88					
6												
7	13C-2,3,7,8-TCDD	360210	20.09	20.09	0.90938	0.95815	105.36	5.4	105.4	0.806	NO	
8	2,3,7,8-TCDD	35264	20.11	20.10	1.03464	0.97900	9.46	-5.4	94.6	0.749	NO	
9	Total TCDDs			22.69	1.03464		9.46					
10												
11	37CL-2,3,7,8-TCDD	26293	20.11	20.09	0.65529	0.72992	11.14	11.4	111.4			
12												
13	13C-1,2,3,7,8-PeCDF	395746	25.19	24.92	1.02378	1.05268	102.82	2.8	102.8	1.603	NO	
14	1,2,3,7,8-PeCDF	199630	25.22	25.19	1.09163	1.00888	46.21	-7.6	92.4	1.553	NO	
15	2,3,4,7,8-PeCDF	189379	26.78	26.72	1.06412	0.95707	44.97	-10.1	89.9	1.544	NO	
16	Total F2 PeCDFs			34.47	1.07787		91.18					
17	Total F1 PeCDFs			36.56	1.07787							
18												
19	13C-1,2,3,7,8-PeCDD	274245	27.62	27.29	0.73445	0.72949	99.32	-0.7	99.3	1.584	NO	
20	1,2,3,7,8-PeCDD	120390	27.65	27.62	0.96030	0.87797	45.71	-8.6	91.4	1.541	NO	
21	Total PeCDDs			31.10	0.96030		45.71					
22												
23	13C-1,2,3,7,8,9-HxCDD	291588	33.36	33.27	1.00000	1.00000	100.00	0.0	100.0	1.222	NO	
24												
25	13C-1,2,3,4,7,8-HxCDF	318222	32.26	32.22	1.04941	1.09134	104.00	4.0	104.0	0.524	NO	
26	1,2,3,4,7,8-HxCDF	190719	32.27	32.26	1.31260	1.19865	45.66	-8.7	91.3	1.268	NO	
27	1,2,3,6,7,8-HxCDF	201789	32.38	32.38	1.43801	1.26823	44.10	-11.8	88.2	1.265	NO	
28	2,3,4,6,7,8-HxCDF	204649	32.91	32.92	1.35233	1.28621	47.56	-4.9	95.1	1.272	NO	
29	1,2,3,7,8,9-HxCDF	177200	33.54	33.56	1.19752	1.11369	46.50	-7.0	93.0	1.233	NO	
30	Total HxCDFs			0.00	1.32511		183.81					
31												
32	13C-1,2,3,6,7,8-HxCDD	267395	33.11	33.09	0.90452	0.91703	101.38	1.4	101.4	1.289	NO	
33	1,2,3,4,7,8-HxCDD	131242	33.04	33.04	0.98150	0.98163	50.01	0.0	100.0	1.326	NO	
34	1,2,3,6,7,8-HxCDD	142580	33.12	33.11	1.09425	1.06644	48.73	-2.5	97.5	1.131	NO	
35	1,2,3,7,8,9-HxCDD	146307	33.37	33.38	1.05784	1.09432	51.72	3.4	103.4	1.233	NO	
36	Total HxCDDs			0.00	1.04453		150.46					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	281018	34.89	34.90	0.95391	0.96375	101.03	1.0	101.0	0.449	NO	
39	1,2,3,4,6,7,8-HpCDF	203813	34.90	34.89	1.46280	1.45053	49.58	-0.8	99.2	1.067	NO	
40	1,2,3,4,7,8,9-HpCDF	165522	36.07	36.06	1.23081	1.17802	47.86	-4.3	95.7	1.029	NO	
41	Total HpCDFs			0.00	1.34680		97.44					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	255901	35.73	35.74	0.84836	0.87761	103.45	3.4	103.4	0.998	NO	
44	1,2,3,4,6,7,8-HpCDD	127028	35.74	35.73	1.05453	0.99279	47.07	-5.9	94.1	1.066	NO	
45	Total HpCDDs			0.08	1.05453		47.07					

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:25:47 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc.	%Dev	%Rec	Ratio	Ratio ...	Mod.Date
46												
47	13C-OCDD	382911	38.30	38.34	0.67464	0.65659	194.65	-2.7	97.3	0.874	NO	
48	OCDF	247366	38.42	38.42	1.48610	1.29203	86.94	-13.1	86.9	0.936	NO	
49	OCDD	199679	38.31	38.30	1.14618	1.04295	90.99	-9.0	91.0	0.923	NO	
50												
51												
52	Function 1 PFK			38.25								
53	Function 2 PFK			38.25								
54	Function 3 PFK			38.25								
55	Function 4 PFK			38.25								
56	Function 5 PFK			0.00								
57	TCDF PCDPE			38.25								
58	F1 PeCDF PCDPE			38.25								
59	F2 PeCDF PCDPE			38.25								
60	HXCDF PCDPE			38.25								
61	HPCDF PCDPE			38.25								
62	OCDF PCDPE			0.00								

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:25:47 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	325598	19.90	19.89	1.00000	1.00000	100.00	0.0	100.0	0.813	NO	
2												
3	13C-2,3,7,8-TCDF	444933	19.28	19.26	1.31203	1.36651	104.15	4.2	104.2	0.783	NO	
4	2,3,7,8-TCDF	40086	19.29	19.28	0.99766	0.90094	9.03	-9.7	90.3	0.804	NO	
5	Total TCDFs			21.44	0.99766		9.03					
6												
7	13C-2,3,7,8-TCDD	309103	20.11	20.12	0.90938	0.94934	104.39	4.4	104.4	0.813	NO	
8	2,3,7,8-TCDD	29798	20.12	20.13	1.03464	0.96401	9.32	-6.8	93.2	0.823	NO	
9	Total TCDDs			22.69	1.03464		9.32					
10												
11	37CL-2,3,7,8-TCDD	21748	20.12	20.11	0.65529	0.70358	10.74	7.4	107.4			
12												
13	13C-1,2,3,7,8-PeCDF	320919	25.21	24.95	1.02378	0.98563	96.27	-3.7	96.3	1.606	NO	
14	1,2,3,7,8-PeCDF	161390	25.23	25.21	1.09163	1.00580	46.07	-7.9	92.1	1.548	NO	
15	2,3,4,7,8-PeCDF	149681	26.81	26.74	1.06412	0.93283	43.83	-12.3	87.7	1.536	NO	
16	Total F2 PeCDFs			34.47	1.07787		89.90					
17	Total F1 PeCDFs			36.56	1.07787							
18												
19	13C-1,2,3,7,8-PeCDD	220613	27.63	27.32	0.73445	0.67756	92.25	-7.7	92.3	1.570	NO	
20	1,2,3,7,8-PeCDD	95990	27.67	27.63	0.96030	0.87021	45.31	-9.4	90.6	1.524	NO	
21	Total PeCDDs			31.10	0.96030		45.31					
22												
23	13C-1,2,3,7,8,9-HxCDD	208538	33.38	33.27	1.00000	1.00000	100.00	0.0	100.0	1.295	NO	
24												
25	13C-1,2,3,4,7,8-HxCDF	225924	32.27	32.24	1.04941	1.08337	103.24	3.2	103.2	0.519	NO	
26	1,2,3,4,7,8-HxCDF	140338	32.28	32.27	1.31260	1.24235	47.32	-5.4	94.6	1.292	NO	
27	1,2,3,6,7,8-HxCDF	155029	32.39	32.39	1.43801	1.37240	47.72	-4.6	95.4	1.209	NO	
28	2,3,4,6,7,8-HxCDF	143693	32.92	32.93	1.35233	1.27205	47.03	-5.9	94.1	1.280	NO	
29	1,2,3,7,8,9-HxCDF	121973	33.55	33.57	1.19752	1.07977	45.08	-9.8	90.2	1.226	NO	
30	Total HxCDFs			0.00	1.32511		187.16					
31												
32	13C-1,2,3,6,7,8-HxCDD	199075	33.12	33.11	0.90452	0.95462	105.54	5.5	105.5	1.246	NO	
33	1,2,3,4,7,8-HxCDD	90939	33.06	33.05	0.98150	0.91362	46.54	-6.9	93.1	1.257	NO	
34	1,2,3,6,7,8-HxCDD	101656	33.13	33.12	1.09425	1.02128	46.67	-6.7	93.3	1.254	NO	
35	1,2,3,7,8,9-HxCDD	99055	33.39	33.39	1.05784	0.99516	47.04	-5.9	94.1	1.241	NO	
36	Total HxCDDs			0.00	1.04453		140.24					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	183784	34.91	34.92	0.95391	0.88130	92.39	-7.6	92.4	0.453	NO	
39	1,2,3,4,6,7,8-HpCDF	133887	34.92	34.91	1.46280	1.45700	49.80	-0.4	99.6	1.032	NO	
40	1,2,3,4,7,8,9-HpCDF	103210	36.08	36.08	1.23081	1.12316	45.63	-8.7	91.3	1.032	NO	
41	Total HpCDFs			0.00	1.34680		95.43					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	163209	35.74	35.76	0.84836	0.78263	92.25	-7.7	92.3	1.053	NO	
44	1,2,3,4,6,7,8-HpCDD	83068	35.75	35.74	1.05453	1.01794	48.27	-3.5	96.5	1.090	NO	
45	Total HpCDDs			0.09	1.05453		48.27					
46												
47	13C-OCDD	254005	38.31	38.36	0.67464	0.60902	180.54	-9.7	90.3	0.902	NO	
48	OCDF	170065	38.43	38.43	1.48610	1.33906	90.11	-9.9	90.1	0.926	NO	
49	OCDD	132683	38.32	38.31	1.14618	1.04472	91.15	-8.9	91.1	0.894	NO	

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Wednesday, December 15, 2010 13:25:07 Pacific Standard Time
Printed: Wednesday, December 15, 2010 13:25:47 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

#	Name	Response	RT	Pred.RT	RRF	M	RRF	Conc	%Dev	%Rec	Ratio	Ratio	Mod.Date
50													
51													
52	Function 1 PFK			38.25									
53	Function 2 PFK			38.25									
54	Function 3 PFK			38.25									
55	Function 4 PFK			38.25									
56	Function 5 PFK			0.00									
57	TCDF PCDPE			38.25									
58	F1 PeCDF PCDPE			38.25									
59	F2 PeCDF PCDPE			38.25									
60	HXCDF PCDPE			38.25									
61	HPCDF PCDPE			38.25									
62	OCDF PCDPE			0.00									

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size
1	07DE10A10D5_1	CS-3 10DXN505	ST1207A	---	---	1.000000
2	07DE10A10D5_2	DB-5 CPSM 10RES076	CP1207A	---		1.000000
3	07DE10A10D5_3	G0K230582-1MB 0334162	MAMJ6-1-AA	8290/Solid	27	10.000000
4	07DE10A10D5_4	G0L010000-404B 0335404	MAP61-1-AA	8290/Water	28	1.000000
5	07DE10A10D5_5	G0K230515-2 0335404	MAGPH-1-AA	8290/Water	28	0.966640
6	07DE10A10D5_6	G0K230515-5 0335404	MAGP5-1-AA	8290/Water	28	0.946290
7	07DE10A10D5_7	G0K230515-7 0335404	MAGQC-1-AA	8290/Water	28	0.928440
8	07DE10A10D5_8	G0K230583-3 0335261	MAHMV-1-AC	8290/Solid	28	5.590000
9	07DE10A10D5_9	G0K230583-4 0335261	MAHMW-1-AC	8290/Solid	28	5.100000
10	07DE10A10D5_10	G0K230583-5 0335261	MAHMX-1-AC	8290/Solid	28	5.440000
11	07DE10A10D5_11	G0K230583-6 0335261	MAHM0-1-AC	8290/Solid	28	5.600000
12	07DE10A10D5_12	G0K300507-1S (10x) 0335257	MAM80-1-AD	8290/Solid	28	10.060000
13	07DE10A10D5_13	G0K300507-1D (10x) 0335257	MAM80-1-AE	8290/Solid	28	10.540000
14	07DE10A10D5_14	G0K300507-1 (10x) 0335257	MAM80-1-AC	8290/Solid	28	10.690000
15	07DE10A10D5_15	G0L010000-404C 0335404	MAP61-1-AC	8290/Water	28	1.000000
16	07DE10A10D5_16	CS-3 10DXN505	ST1207B	---	---	1.000000
17	07DE10A10D5_17	DB-5 CPSM 10RES076	CP1207B	---		1.000000
18	07DE10A10D5_18	G0L060000-366B 0340366	MAXVL-1-AA	8290/Water	31	1.000000
19	07DE10A10D5_19	F0L030530-11 0340366	MAT97-1-AE	8290/Water	31	1.001680
20	07DE10A10D5_20	G0L060000-366C 0340366	MAXVL-1-AC	8290/Water	31	1.000000
21	07DE10A10D5_21	G0L010000-261C 0335261	MAPG5-1-AC	8290/Solid	28	10.000000
22	07DE10A10D5_22	CS-3 10DXN505	ST1207C	---	---	1.000000
23	07DE10A10D5_23	DB-5 CPSM 10RES076	CP1207C	---		1.000000
24	07DE10A10D5_24	G0K230581-1MB 0334160	MAMJQ-1-AA	8290/Solid	26	10.000000
25	07DE10A10D5_25	G0K230583-7 0335261	MAHM1-1-AC	8290/Solid	28	5.120000
26	07DE10A10D5_26	G0K230583-8 0335261	MAHM2-1-AC	8290/Solid	28	5.630000
27	07DE10A10D5_27	G0K230580-1 0333224	MAHLN-1-AC	8290/Solid	25	5.530000
28	07DE10A10D5_28	G0K230580-2 0333224	MAHLR-1-AC	8290/Solid	25	5.560000
29	07DE10A10D5_29	G0K230580-3 0333224	MAHLT-1-AC	8290/Solid	25	5.780000
30	07DE10A10D5_30	G0K230580-4 0333224	MAHLV-1-AC	8290/Solid	25	5.000000
31	07DE10A10D5_31	G0K230580-5 0333224	MAHLW-1-AC	8290/Solid	25	5.160000
32	07DE10A10D5_32	G0K230580-6 0333224	MAHLX-1-AC	8290/Solid	25	5.010000
33	07DE10A10D5_33	G0K230580-7 0333224	MAHL0-1-AC	8290/Solid	25	5.200000
34	07DE10A10D5_34	G0K230580-8 0333224	MAHL1-1-AC	8290/Solid	25	5.140000
35	07DE10A10D5_35	G0K230580-9 0333224	MAHL3-1-AC	8290/Solid	25	5.610000
36	07DE10A10D5_36	G0K230582-1LCS 0334162	MAMJ6-1-AC	8290/Solid	27	10.000000
37	07DE10A10D5_37	CS-3 10DXN505	ST1207D	---	---	1.000000
38	07DE10A10D5_38	DB-5 CPSM 10RES076	CP1207D	---		1.000000
39	07DE10A10D5_39	G0L050000-28B 0339028	MAWLA-1-AA	8290/Solid	30	10.000000
40	07DE10A10D5_40	G0K230580-10 0333224	MAHL9-1-AC	8290/Solid	25	5.980000
41	07DE10A10D5_41	G0K230580-11 0333224	MAHMA-1-AC	8290/Solid	25	5.280000
42	07DE10A10D5_42	G0K230580-12 0333224	MAHMC-1-AC	8290/Solid	25	5.340000
43	07DE10A10D5_43	G0K230580-17 0333224	MAJ82-1-AC	8290/Solid	25	5.100000
44	07DE10A10D5_44	G0K230580-18 0333224	MAJ84-1-AC	8290/Solid	25	5.220000
45	07DE10A10D5_45	G0K230580-19 0333224	MAJ86-1-AC	8290/Solid	25	5.260000
46	07DE10A10D5_46	G0K230580-20 0333224	MAJ87-1-AC	8290/Solid	25	5.220000
47	07DE10A10D5_47	G0K230580-13 0333224	MAHMD-1-AC	8290/Solid	25	5.340000
48	07DE10A10D5_48	G0K230580-14 0333224	MAHME-1-AC	8290/Solid	25	5.460000
49	07DE10A10D5_49	G0K230581-1LCS 0334160	MAMJQ-1-AC	8290/Solid	26	10.000000
50	07DE10A10D5_50	CS-3 10DXN505	ST1207E	---	---	1.000000
51	07DE10A10D5_51	DB-5 CPSM 10RES076	CP1207E	---		1.000000
52	07DE10A10D5_52	G0K190561-1MB 0341193	MA0EW-1-AA	8290/Solid	33	5.000000
53	07DE10A10D5_53	G0L020527-1 0339028	MARGL-1-AA	8290/Solid	30	10.000000
54	07DE10A10D5_54	G0L020529-1 0339028	MARGL-1-AA	8290/Solid	30	10.000000
55	07DE10A10D5_55	G0L050000-28C 0339028	MAWLA-1-AC	8290/Solid	30	10.000000
56	07DE10A10D5_56	G0K230582-1 0334162	MAHMH-1-AC	8290/Solid	27	5.040000
57	07DE10A10D5_57	G0K230582-2 0334162	MAHMJ-1-AC	8290/Solid	27	5.010000
58	07DE10A10D5_58	G0K230582-3 0334162	MAHMK-1-AC	8290/Solid	27	4.950000

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size
59	07DE10A10D5_59	G0K230582-4 0334162	MAHML-1-AC	8290/Solid	27	5.010000
60	07DE10A10D5_60	G0K230582-5 0334162	MAHMM-1-AC	8290/Solid	27	5.020000
61	07DE10A10D5_61	G0K230580-15 0333224	MAHMF-1-AC	8290/Solid	25	5.480000
62	07DE10A10D5_62	G0K230580-16 0333224	MAHMG-1-AC	8290/Solid	25	5.120000
63	07DE10A10D5_63	G0K190561-1LCS 0341193	MA0EW-1-AC	8290/Solid	33	5.000000
64	07DE10A10D5_64	CS-3 10DXN505	ST1207F	---	---	1.000000
65	07DE10A10D5_65	DB-5 CPSM 10RES076	CP1207F	---		1.000000
66	07DE10A10D5_66	G0L0740427-1MB 0343158	MA31C-1-AA	8290/Solid	34	10.000000
67	07DE10A10D5_67	G0L070427-1RX 0343158	MA0A0-2-AA	8290/Solid	34	15.080000
68	07DE10A10D5_68	G0L070427-1MS 0343158	MA0A0-2-AD	8290/Solid	34	15.160000
69	07DE10A10D5_69	G0L070427-1MSD 0343158	MA0A0-2-AE	8290/Solid	34	15.000000
70	07DE10A10D5_70	G0L070427-2RX 0343158	MA0A2-2-AA	8290/Solid	34	15.170000
71	07DE10A10D5_71	G0L070427-3RX 0343158	MA0A3-2-AA	8290/Solid	34	15.000000
72	07DE10A10D5_72	G0L0740427-1LCS 0343158	MA31C-1-AC	8290/Solid	34	10.000000
73	07DE10A10D5_73	G0L0740427-1LCSD 0343158	MA31C-1-AD	8290/Solid	34	10.000000
74	07DE10A10D5_74	CS-3 10DXN505	ST1207G	---	---	1.000000
75	07DE10A10D5_75	DB-5 CPSM 10RES076	CP1207G	---		1.000000
76	07DE10A10D5_76	G0L080447-1MB 0342385	MA3AH-1-AA	8290/Water	34	1.000000
77	07DE10A10D5_77	G0L080447-1 0342385	MA1WP-1-AA	8290/Water	34	0.769750
78	07DE10A10D5_78	G0K230582-6 0334162	MAHMN-1-AC	8290/Solid	27	4.970000
79	07DE10A10D5_79	G0K230582-7 0334162	MAHMP-1-AC	8290/Solid	27	5.000000
80	07DE10A10D5_80	G0K230582-8 0334162	MAHMQ-1-AC	8290/Solid	27	4.960000
81	07DE10A10D5_81	G0K190561-1RX 0341193	MAA0W-3-AA	8290/Solid	33	2.092000
82	07DE10A10D5_82	G0K190561-2RX 0341193	MAA0X-3-AA	8290/Solid	33	2.050000
83	07DE10A10D5_83	G0K190561-3RX 0341193	MAA00-3-AA	8290/Solid	33	2.000000
84	07DE10A10D5_84	G0K190561-4RX 0341193	MAA01-3-AA	8290/Solid	33	5.175000
85	07DE10A10D5_85	G0K190561-5RX 0341193	MAA02-3-AA	8290/Solid	33	1.930000
86	07DE10A10D5_86	G0K190561-6RX 0341193	MAA03-3-AA	8290/Solid	33	5.000000
87	07DE10A10D5_87	G0K190561-7RX 0341193	MAA04-3-AA	8290/Solid	33	5.205000
88	07DE10A10D5_88	G0L080447-1LCS 0342385	MA3AH-1-AC	8290/Water	34	1.000000
89	07DE10A10D5_89	CS-3 10DXN505	ST1207H	---	---	1.000000
90	07DE10A10D5_90	DB-5 CPSM 10RES076	CP1207H	---		1.000000
91	07DE10A10D5_91	110910MDLM23XAD	MB	23	15	1.000000
92	07DE10A10D5_92	110910MDLM23XAD	MDL-1	23	15	1.000000
93	07DE10A10D5_93	110910MDLM23XAD	MDL-2	23	15	1.000000
94	07DE10A10D5_94	110910MDLM23XAD	MDL-3	23	15	1.000000
95	07DE10A10D5_95	110910MDLM23XAD	MDL-4	23	15	1.000000
96	07DE10A10D5_96	110910MDLM23XAD	MDL-5	23	15	1.000000
97	07DE10A10D5_97	110910MDLM23XAD	MDL-6	23	15	1.000000
98	07DE10A10D5_98	110910MDLM23XAD	MDL-7	23	15	1.000000
99	07DE10A10D5_99	110910MDLM23XAD	MDL-Check	23	15	1.000000
100	07DE10A10D5_100	G0K190561-8RX 0341193	MAA05-3-AA	8290/Solid	33	5.190000
101	07DE10A10D5_101	G0K190561-9RX 0341193	MAA06-3-AA	8290/Solid	33	4.935000
102	07DE10A10D5_102	G0K190561-10RX 0341193	MAA08-3-AA	8290/Solid	33	5.215000
103	07DE10A10D5_103	G0K190561-11RX 0341193	MAA09-3-AA	8290/Solid	33	2.028000
104	07DE10A10D5_104	CS-3 10DXN505	ST1207I	---	---	1.000000
105	07DE10A10D5_105	DB-5 CPSM 10RES076	CP1207I	---		1.000000
106	07DE10A10D5_106	G0K220524-1MB 0327264	MAF68-1-AA	23/Air	29	0.333333
107	07DE10A10D5_107	G0K220524-1 0327264	MAFEC-1-AA	23/Air	29	0.333333
108	07DE10A10D5_108	G0K220524-2 0327264	MAFED-1-AA	23/Air	29	0.333333
109	07DE10A10D5_109	G0K170531-1RX 0343275	L9664-2-AA	8290/Solid	35	9.665000
110	07DE10A10D5_110	G0K170531-2RX 0343275	L9665-2-AA	8290/Solid	35	10.170000
111	07DE10A10D5_111	G0K170531-3RX 0343275	L9666-2-AA	8290/Solid	35	10.065000
112	07DE10A10D5_112	G0K170531-4RX 0343275	L9668-2-AA	8290/Solid	35	2.040000
113	07DE10A10D5_113	G0K170531-5RX 0343275	L9669-2-AA	8290/Solid	35	0.202500
114	07DE10A10D5_114	G0K170531-6RX 0343275	L967A-2-AA	8290/Solid	35	0.207700
115	07DE10A10D5_115	G0K170531-7RX 0343275	L967C-2-AA	8290/Solid	35	9.860000
116	07DE10A10D5_116	G0K170531-8RX 0343275	L967D-2-AA	8290/Solid	35	1.007500

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size
117	07DE10A10D5_117	G0K170531-9RX 0343275	L967E-2-AA	8290/Solid	35	10.155000
118	07DE10A10D5_118	G0K220524-1LCS 0327264	MAF68-1-AC	23/Air	29	0.333300
119	07DE10A10D5_119	CS-3 10DXN505	ST1207J	---	---	1.000000
120	07DE10A10D5_120	DB-5 CPSM 10RES076	CP1207J	---		1.000000
121	07DE10A10D5_121	G0K170531-1MB 0343275	MA4R2-1-AA	8290/Solid	35	10.000000
122	07DE10A10D5_122	G0K170531-1LCS 0343275	MA4R2-1-AC	8290/Solid	35	10.000000
123	07DE10A10D5_123	G0L040465-1MB 0343325	MA45N-1-AA	TO9/Air	34	0.500000
124	07DE10A10D5_124	G0L040465-1LCS 0343325	MA45N-1-AC	TO9/Air	34	0.500000
125	07DE10A10D5_125	G0L040465-11 0343325	MAWFF-1-AC	TO9/Air	34	0.500000
126	07DE10A10D5_126	G0L040465-12 0343325	MAWFG-1-AC	TO9/Air	34	0.500000
127	07DE10A10D5_127	G0L080454-1LCS 0342379	MA3AG-1-AC	TO9/Air	34	0.500000
128	07DE10A10D5_128	G0L080454-1DCS 0342379	MA3AG-1-AD	TO9/Air	34	0.500000
129	07DE10A10D5_129	G0L080454-2 0342379	MA1X3-1-AA	TO9/Air	34	0.500000
130	07DE10A10D5_130	G0L080454-5 0342379	MA11D-1-AA	TO9/Air	34	0.500000
131	07DE10A10D5_131	G0L080454-8 0342379	MA112-1-AA	TO9/Air	34	0.500000
132	07DE10A10D5_132	G0L080454-11 0342379	MA12V-1-AA	TO9/Air	34	0.500000
133	07DE10A10D5_133	G0L040465-1DCS 0343325	MA45N-1-AD	TO9/Air	34	0.500000
134	07DE10A10D5_134	CS-3 10DXN505	ST1207K	---	---	1.000000
135	07DE10A10D5_135	DB-5 CPSM 10RES076	CP1207K	---		1.000000
136	07DE10A10D5_136	G0L080454-1MB 0342379	MA3AG-1-AA	TO9/Air	34	0.500000
137	07DE10A10D5_137	G0L080567-1 0342356	MA2QM-1-AC	8290/Solid	35	10.000000
138	07DE10A10D5_138	G0L080567-1S 0342356	MA2QM-1-AD	8290/Solid	35	10.000000
139	07DE10A10D5_139	G0L080567-1D 0342356	MA2QM-1-AE	8290/Solid	35	10.000000
140	07DE10A10D5_140	G0L080567-2 0342356	MA2QR-1-AC	8290/Solid	35	10.000000
141	07DE10A10D5_141	G0L080567-3 0342356	MA2QV-1-AC	8290/Solid	35	10.000000
142	07DE10A10D5_142	G0L080567-4 0342356	MA2QW-1-AC	8290/Solid	35	10.000000
143	07DE10A10D5_143	G0L080567-5 0342356	MA2Q0-1-AC	8290/Solid	35	10.000000
144	07DE10A10D5_144	G0L080567-6 0342356	MA2Q1-1-AC	8290/Solid	35	10.000000
145	07DE10A10D5_145	G0L080567-7 0342356	MA2Q2-1-AC	8290/Solid	35	10.000000
146	07DE10A10D5_146	G0L080567-8 0342356	MA2Q3-1-AC	8290/Solid	35	10.000000
147	07DE10A10D5_147	G0L080567-9 0342356	MA2Q6-1-AC	8290/Solid	35	10.000000
148	07DE10A10D5_148	G0L080567-1LCS 0342356	MA219-1-AC	8290/Solid	35	10.000000
149	07DE10A10D5_149	CS-3 10DXN505	ST1207L	---	---	1.000000
150	07DE10A10D5_150	DB-5 CPSM 10RES076	CP1207L	---		1.000000
151	07DE10A10D5_151	G0L080567-1MB 0342356	MA219-1-AA	8290/Solid	35	10.000000
152	07DE10A10D5_152	G0L080000-159B 0342159	MA1MX-1-AA	8290/Solid	34	10.000000
153	07DE10A10D5_153	G0L030627-1 0340368	MAVWN-1-AN	8290/Water	31	1.050970
154	07DE10A10D5_154	G0L030627-2 0340368	MAVW0-1-AN	8290/Water	31	1.044650
155	07DE10A10D5_155	G0L080567-10 0342356	MA2Q7-1-AC	8290/Solid	35	10.000000
156	07DE10A10D5_156	G0L080567-11 0342356	MA2RA-1-AC	8290/Solid	35	10.000000
157	07DE10A10D5_157	G0L040475-1 0342159	MAWH4-1-AA	8290/Solid	34	2.170000
158	07DE10A10D5_158	G0L040475-2 0342159	MAWH5-1-AA	8290/Solid	34	9.600000
159	07DE10A10D5_159	G0L040475-3 0342159	MAWH6-1-AA	8290/Solid	34	10.270000
160	07DE10A10D5_160	G0L040475-4 0342159	MAWH7-1-AA	8290/Solid	34	10.150000
161	07DE10A10D5_161	G0L080000-159C 0342159	MA1MX-1-AC	8290/Solid	34	10.000000
162	07DE10A10D5_162	CS-3 10DXN505	ST1207M	---	---	1.000000
163	07DE10A10D5_163	DB-5 CPSM 10RES076	CP1207M	---		1.000000
164	07DE10A10D5_164	Solvent Blank C-14	SB1207	---		1.000000

logfile Verified
JRB 12/13/10

Bottle	Unit	FV_ul	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:5	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:6	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:7	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:8	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:9	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:10	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:11	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:12	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:13	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:14	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:15	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:16	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:17	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:25	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:30	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:28	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:29	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:31	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:18	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:19	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:20	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:21	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:22	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:23	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:24	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:26	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:27	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:32	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:33	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:34	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:35	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:36	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:37	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:38	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:39	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:40	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:41	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:42	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:43	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:44	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:47	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:48	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:49	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:50	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:51	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:52	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:53	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:54	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---

Bottle	Unit	FV_ul	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C
Tray01:55	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:56	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:45	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:46	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:70	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:71	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:74	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:75	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:76	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:77	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:78	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:72	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:73	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:57	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:58	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:59	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:60	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:61	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:62	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:63	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:64	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:65	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:66	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:67	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:68	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:69	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:5	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:6	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:7	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:8	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:9	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:10	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:11	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:12	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:13	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:14	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:15	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:16	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:17	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:18	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:19	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:20	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:21	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:22	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:23	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:24	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:25	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:26	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:27	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:28	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---

Bottle	Unit	FV_ul	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C
Tray01:29	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:30	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:31	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:32	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:33	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:34	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:35	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:36	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:37	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:38	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:39	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:40	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:41	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:42	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:43	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:44	Sample	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:45	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:46	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:47	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:48	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:49	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:50	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:51	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:52	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:53	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:54	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:55	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:56	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:57	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:62	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:60	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:61	L	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:58	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:59	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:63	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:64	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:65	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:66	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:67	g	20	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:2	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	10	50	100
Tray01:1	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---
Tray01:3	---	---	1.000000	Analyte	MG	dioxin10D5	dioxin	---	---	---

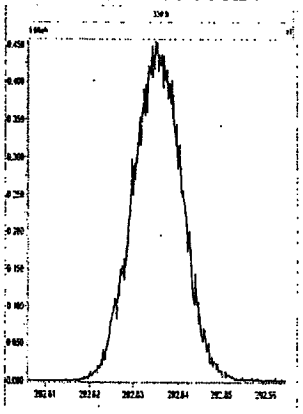
Conc D	Conc E	Conc F	Conc G	Conc H	Process	Process Options
100	200	10	100	---	---	---
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
1000	2000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---

Conc D	Conc E	Conc F	Conc G	Conc H	Process	Process Options
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
1000	2000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
400	800	800	2000	---	---	---
400	800	800	2000	---	---	---
400	800	800	2000	---	---	---
1000	2000	800	2000	---	---	---
400	800	800	2000	---	---	---
1000	2000	800	2000	---	---	---
1000	2000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	100	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
1000	2000	800	2000	---	---	---
1000	2000	800	2000	---	---	---
1000	2000	800	2000	---	---	---
400	800	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	100	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	2000	2000	2000	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
400	800	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
200	400	800	2000	---	---	---

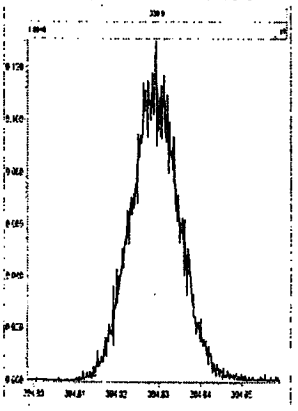
Conc D	Conc E	Conc F	Conc G	Conc H	Process	Process Options
2000	4000	800	2000	---	---	---
2000	4000	2000	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
100	200	10	100	---	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat
---	---	---	---	---	---	---
---	---	---	---	---	---	---

Printed: Saturday, December 11, 2010 10:33:23 Pacific Standard Time

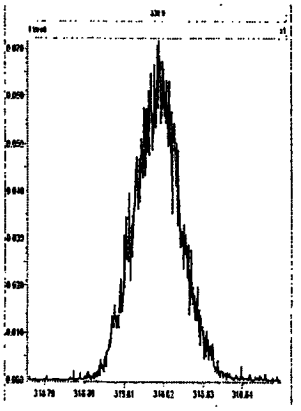
M 292.9824 R 11821



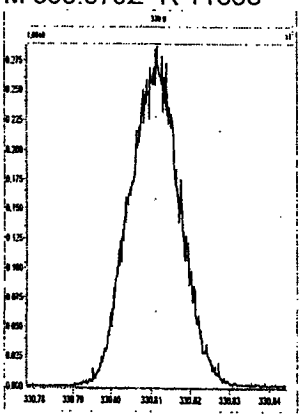
M 304.9824 R 11263



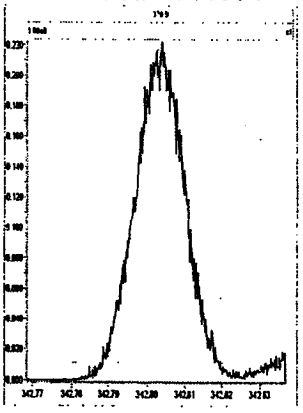
M 318.9792 R 11576



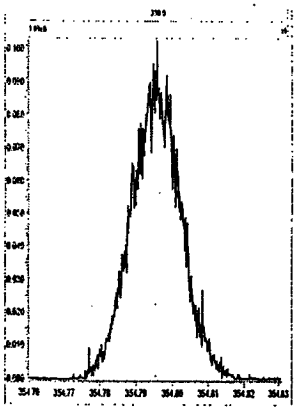
M 330.9792 R 11363



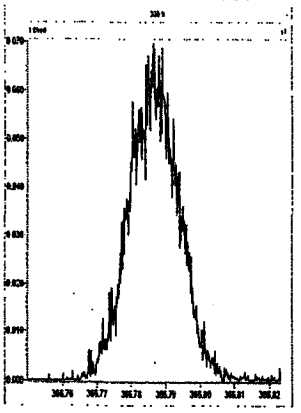
M 342.9792 R 11654



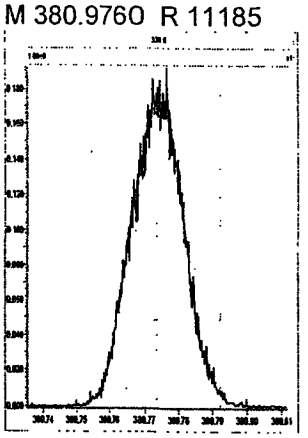
M 354.9792 R 11286



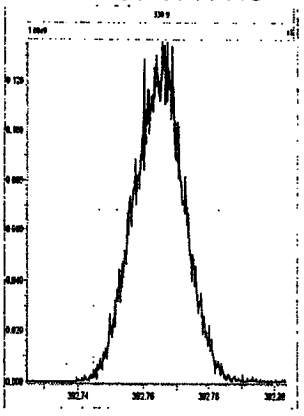
M 366.9792 R 11467



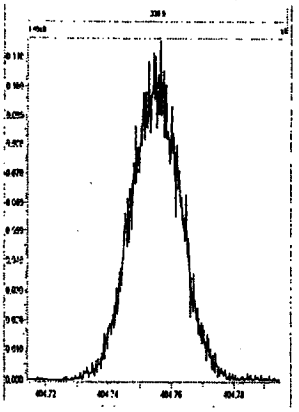
M 380.9760 R 11185



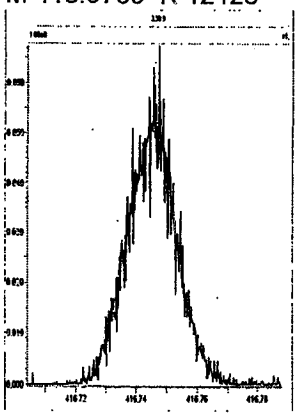
M 392.9760 R 11415



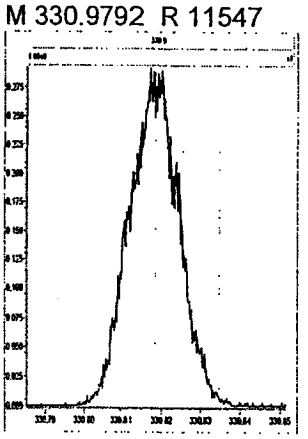
M 404.9760 R 11392



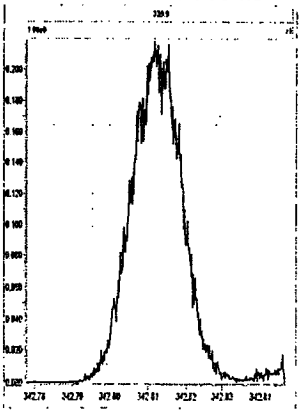
M 416.9760 R 12126



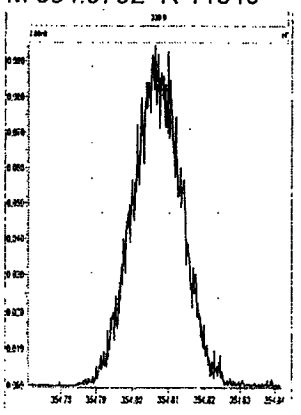
M 330.9792 R 11547



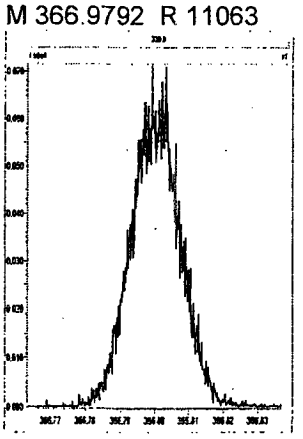
M 342.9792 R 11312



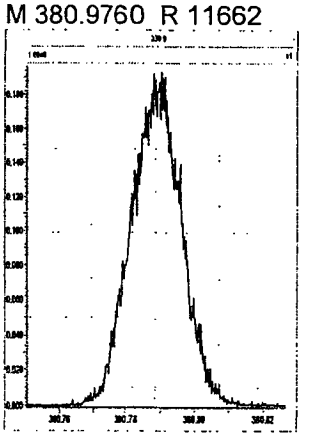
M 354.9792 R 11340



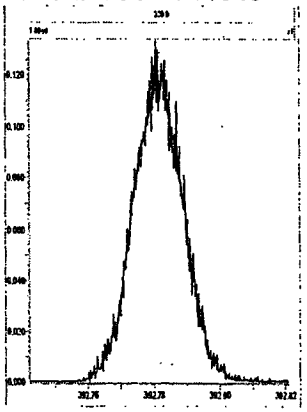
M 366.9792 R 11063



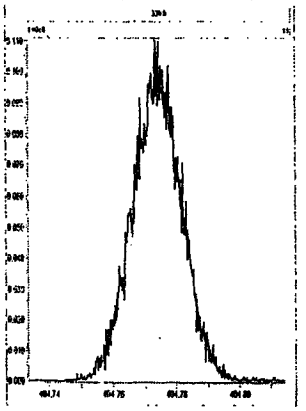
M 380.9760 R 11662



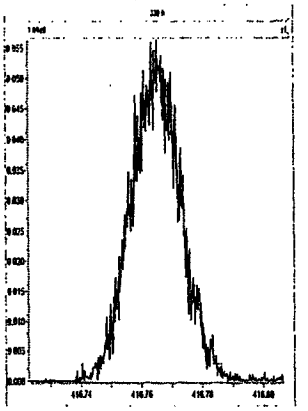
M 392.9760 R 11849



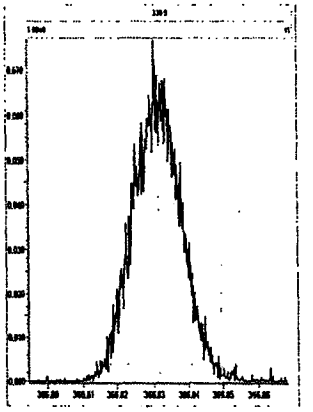
M 404.9760 R 11709



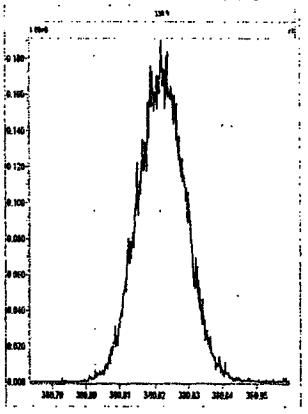
M 416.9760 R 11636



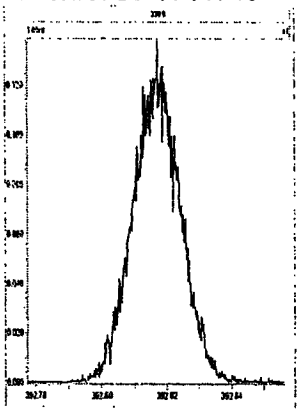
M 366.9792 R 12136



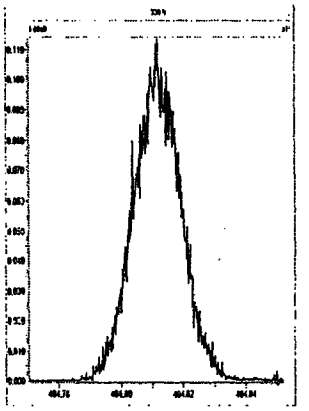
M 380.9760 R 11876



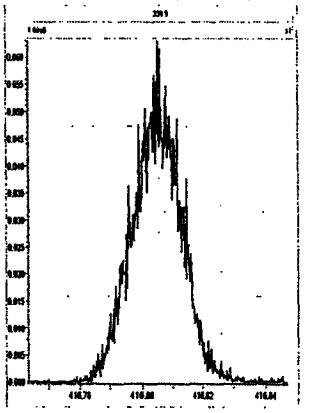
M 392.9760 R 11743



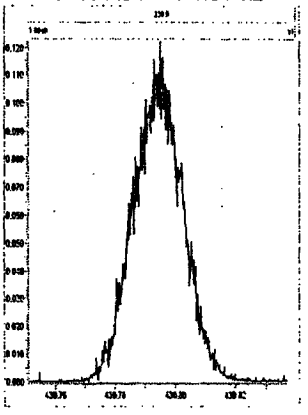
M 404.9760 R 11577



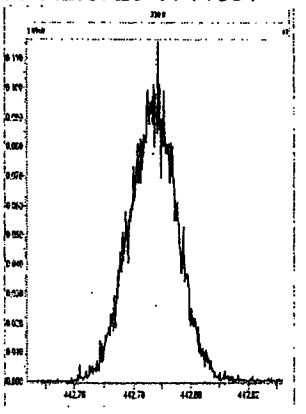
M 416.9760 R 12502



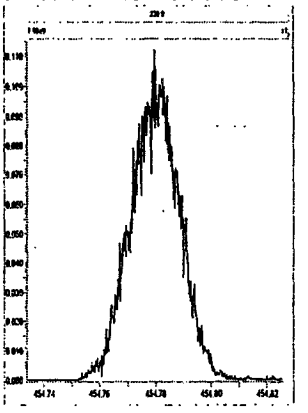
M 430.9728 R 12112



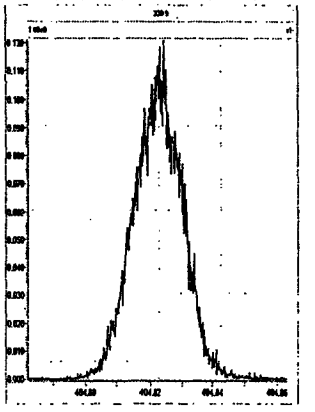
M 442.9728 R 11601



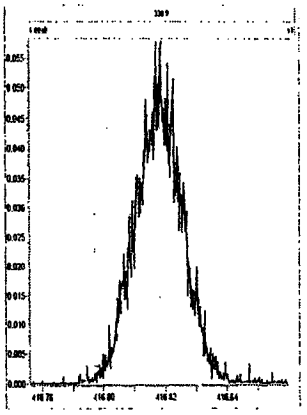
M 454.9728 R 11682



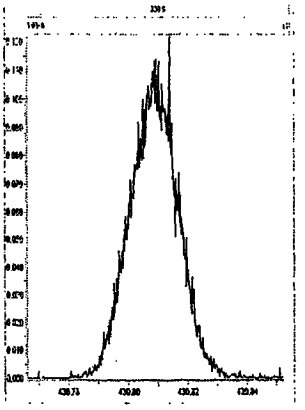
M 404.9760 R 11682



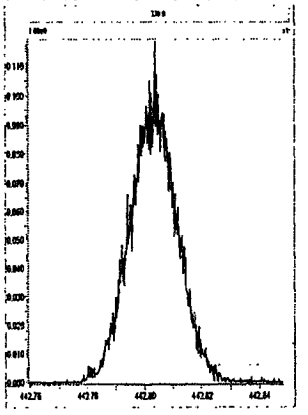
M 416.9760 R 12853



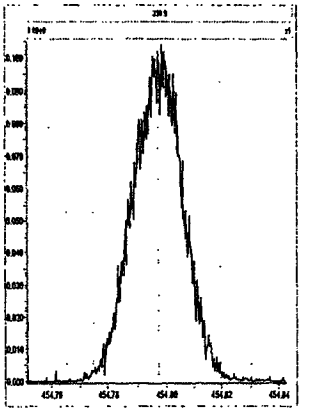
M 430.9728 R 11792



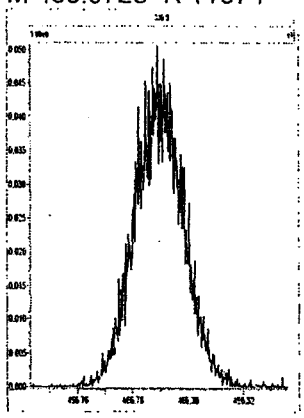
M 442.9728 R 11891



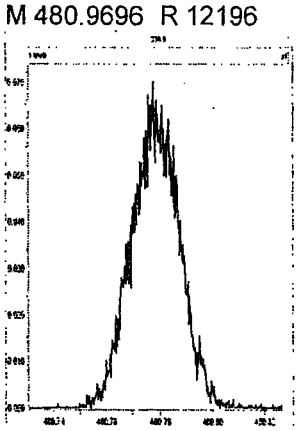
M 454.9728 R 11740



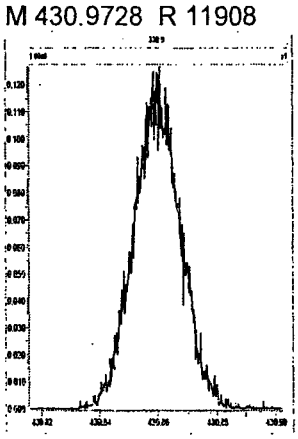
M 466.9728 R 11874



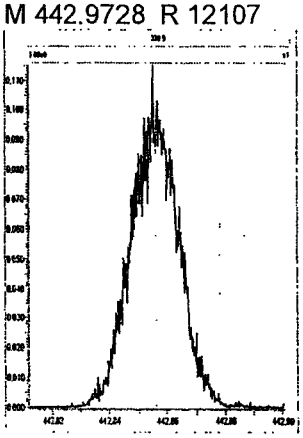
M 480.9696 R 12196



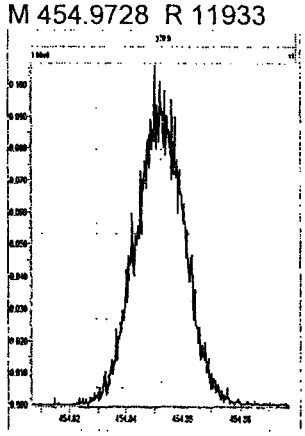
M 430.9728 R 11908



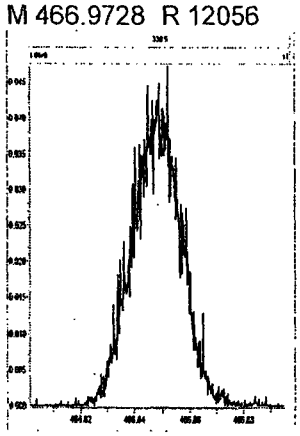
M 442.9728 R 12107



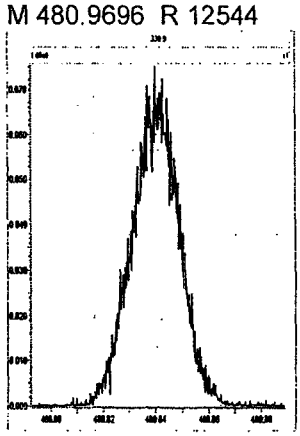
M 454.9728 R 11933



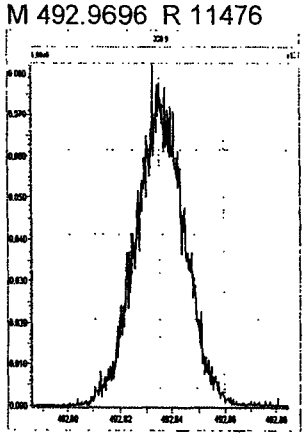
M 466.9728 R 12056



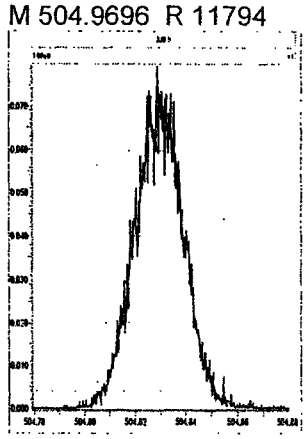
M 480.9696 R 12544



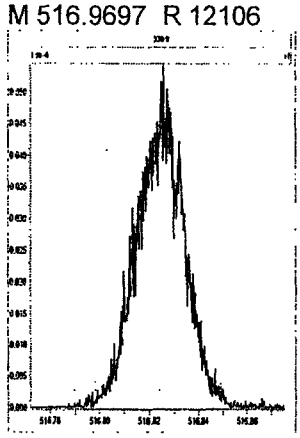
M 492.9696 R 11476



M 504.9696 R 11794

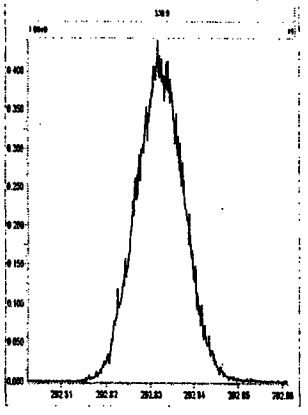


M 516.9697 R 12106

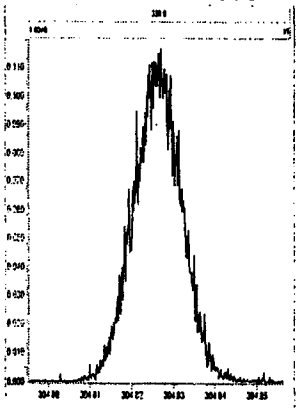


Printed: Saturday, December 11, 2010 11:23:11 Pacific Standard Time

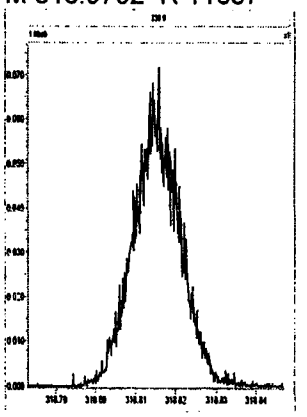
M 292.9824 R 11443



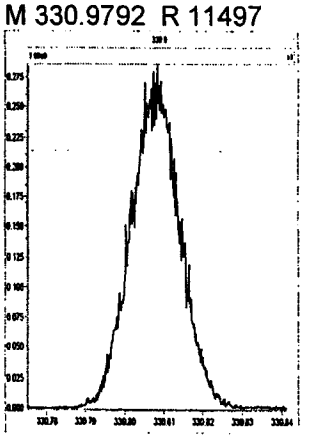
M 304.9824 R 11655



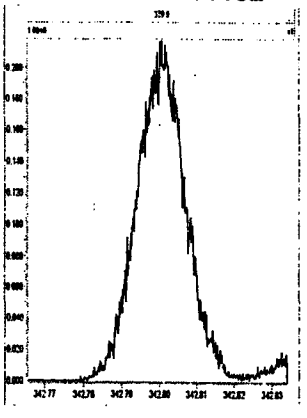
M 318.9792 R 11657



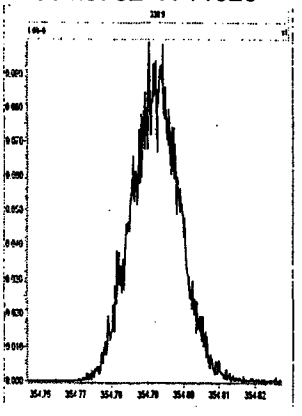
M 330.9792 R 11497



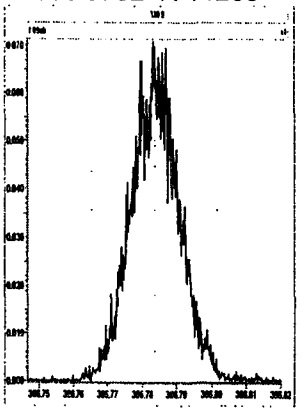
M 342.9792 R 11162



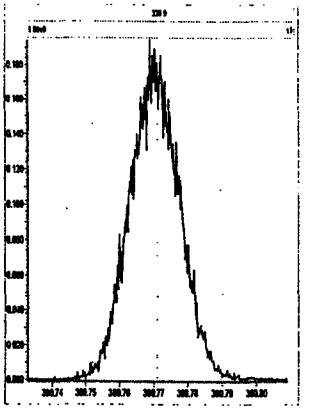
M 354.9792 R 11820



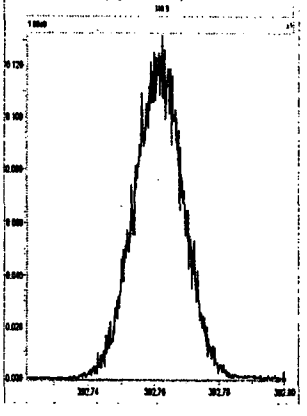
M 366.9792 R 11235



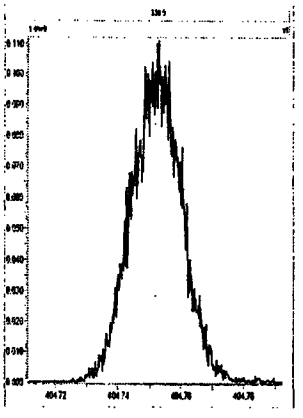
M 380.9760 R 11364



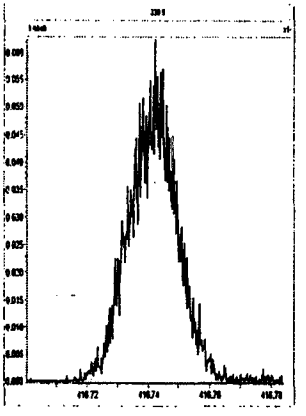
M 392.9760 R 11966



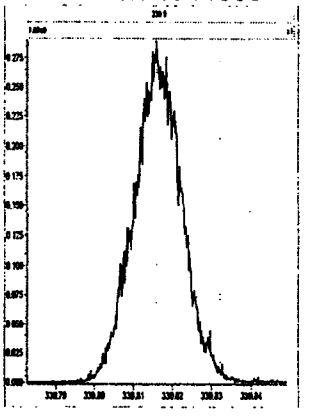
M 404.9760 R 11573



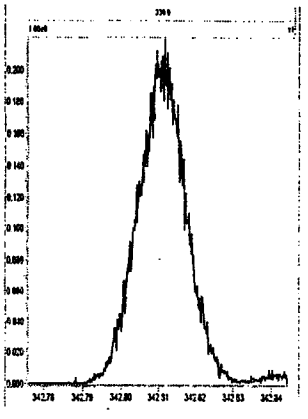
M 416.9760 R 11707



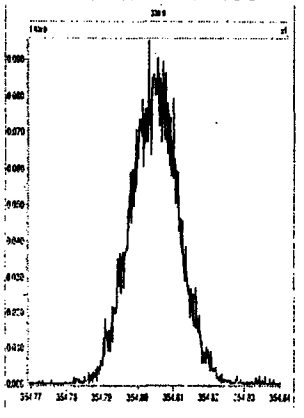
M 330.9792 R 11338



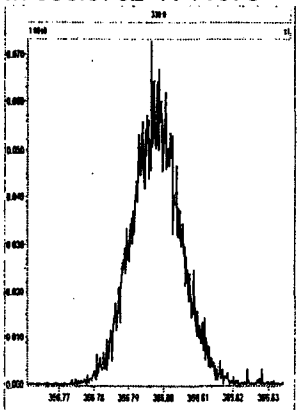
M 342.9792 R 11312



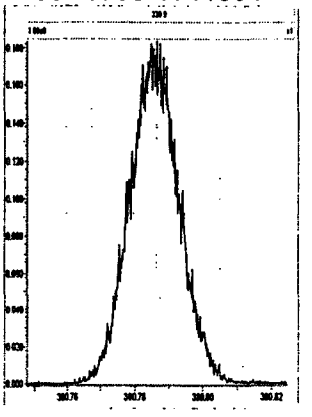
M 354.9792 R 11468



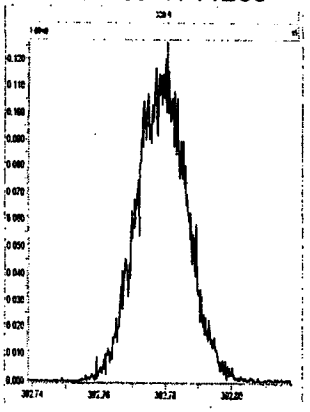
M 366.9792 R 11375



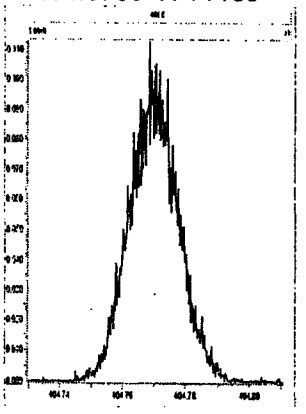
M 380.9760 R 11504



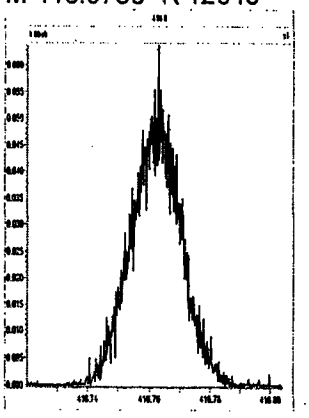
M 392.9760 R 11289



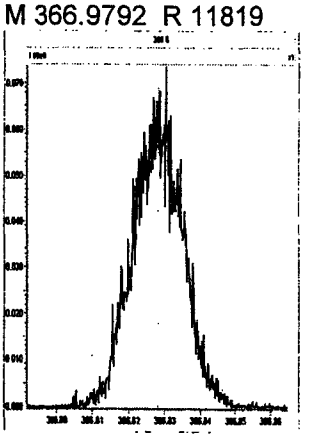
M 404.9760 R 11189



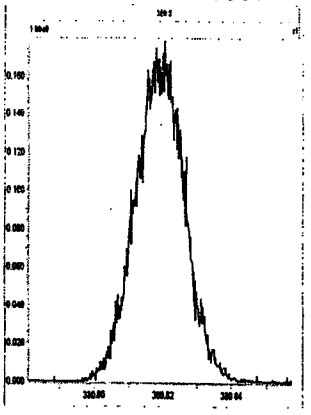
M 416.9760 R 12048



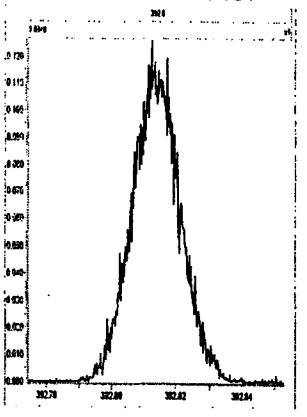
M 366.9792 R 11819



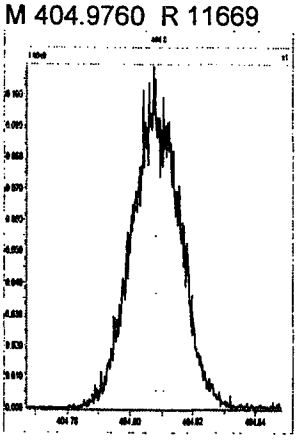
M 380.9760 R 11367



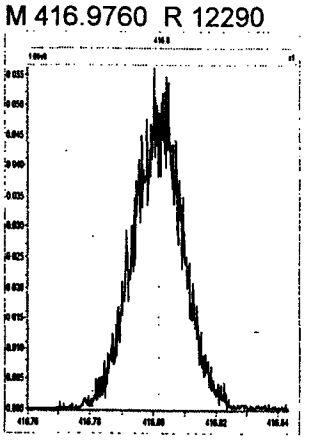
M 392.9760 R 11497



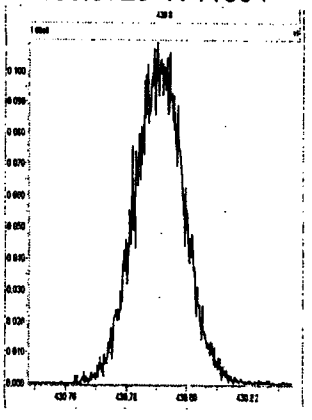
M 404.9760 R 11669



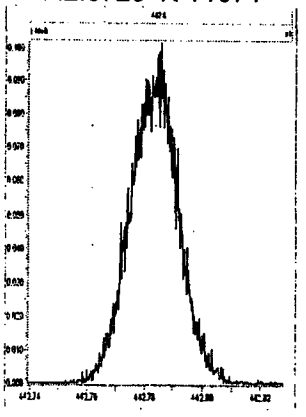
M 416.9760 R 12290



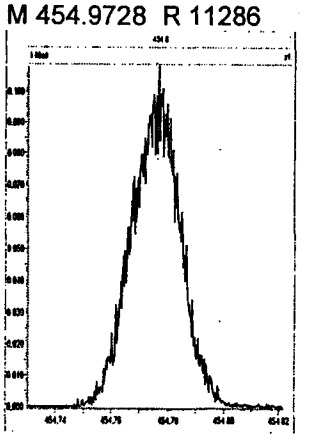
M 430.9728 R 11504



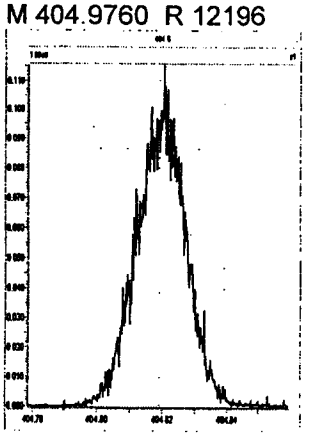
M 442.9728 R 11574



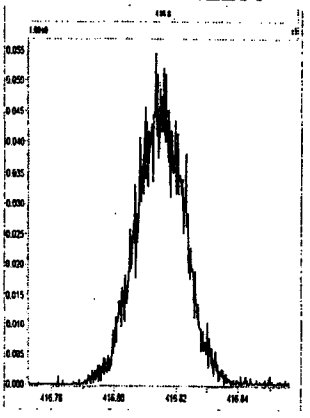
M 454.9728 R 11286



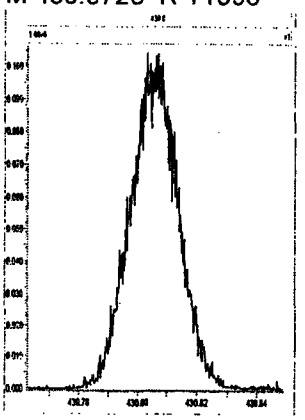
M 404.9760 R 12196



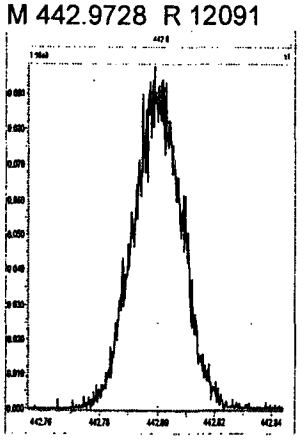
M 416.9760 R 12230



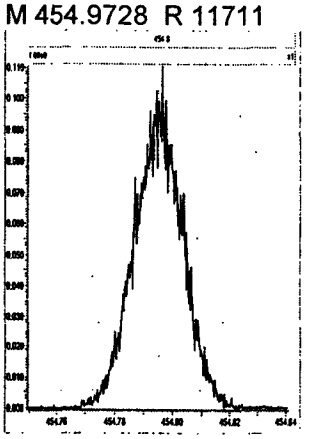
M 430.9728 R 11993



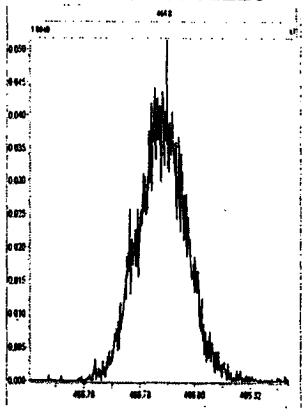
M 442.9728 R 12091



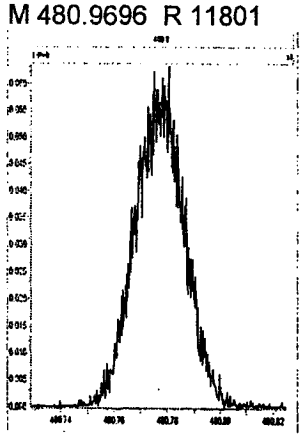
M 454.9728 R 11711



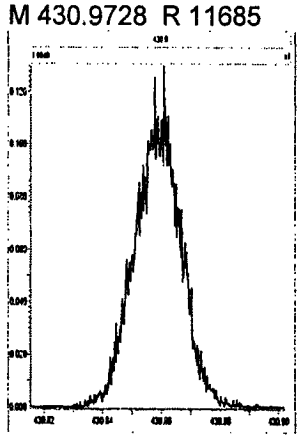
M 466.9728 R 12226



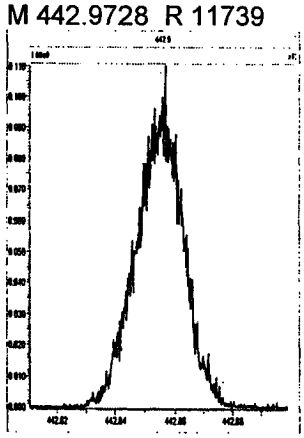
M 480.9696 R 11801



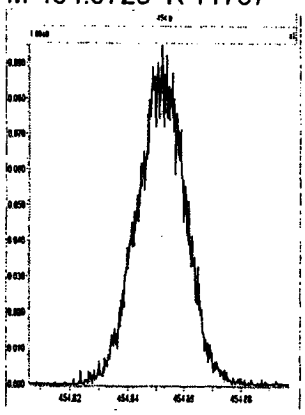
M 430.9728 R 11685



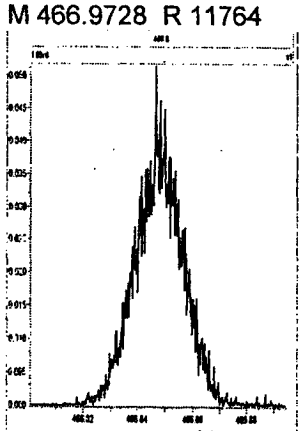
M 442.9728 R 11739



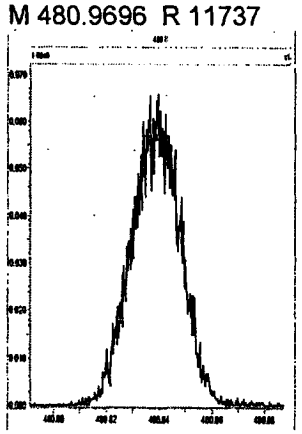
M 454.9728 R 11767



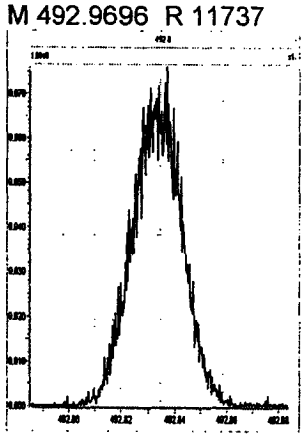
M 466.9728 R 11764



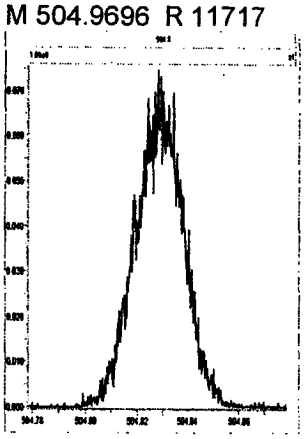
M 480.9696 R 11737



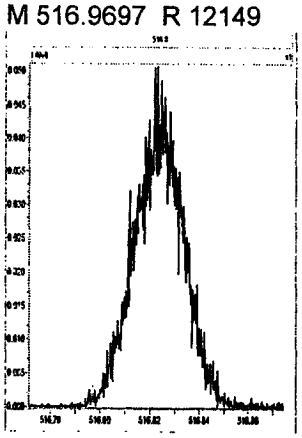
M 492.9696 R 11737



M 504.9696 R 11717

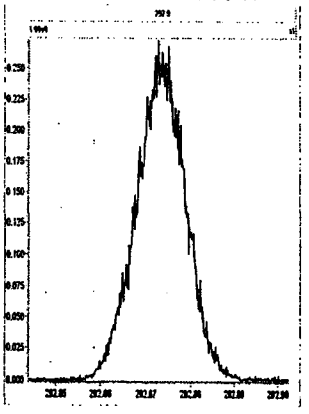


M 516.9697 R 12149

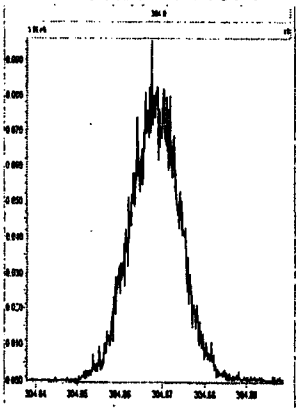


Printed: Saturday, December 11, 2010 22:02:40 Pacific Standard Time

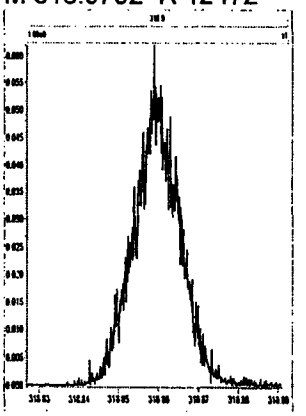
M 292.9824 R 11647



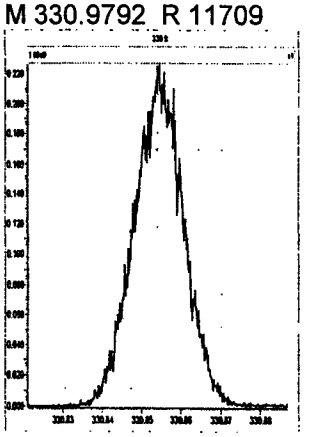
M 304.9824 R 11574



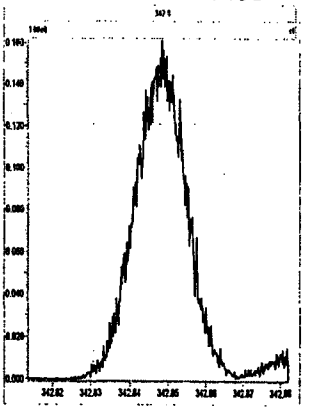
M 318.9792 R 12472



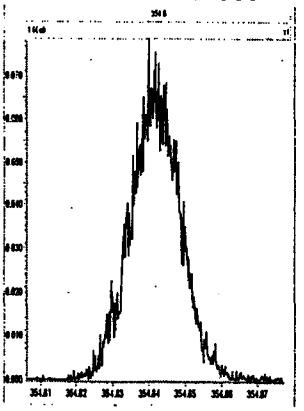
M 330.9792 R 11709



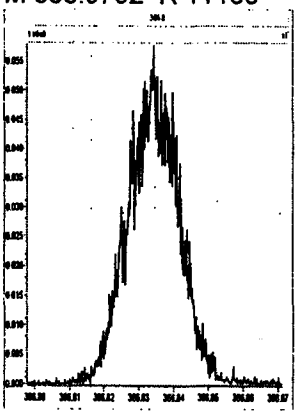
M 342.9792 R 11469



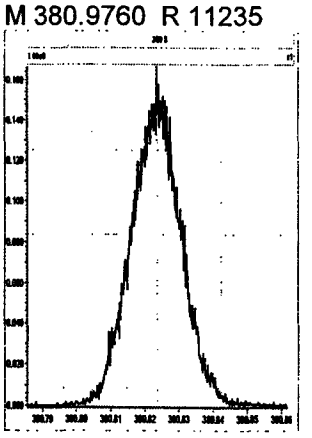
M 354.9792 R 11536



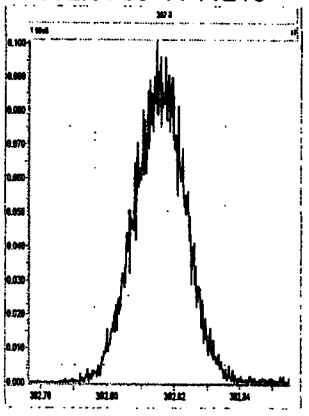
M 366.9792 R 11160



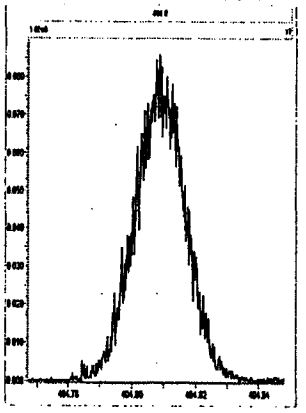
M 380.9760 R 11235



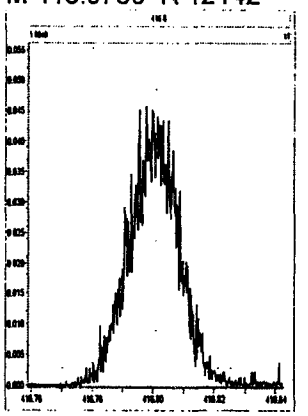
M 392.9760 R 11210



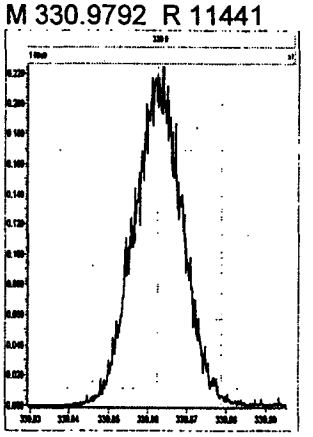
M 404.9760 R 11092



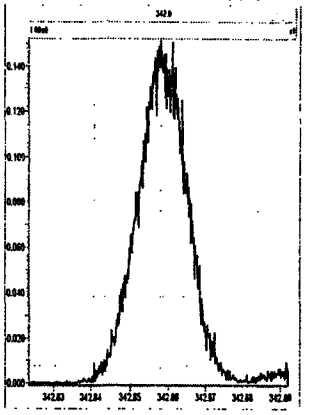
M 416.9760 R 12142



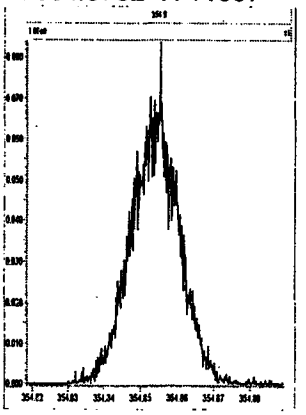
M 330.9792 R 11441



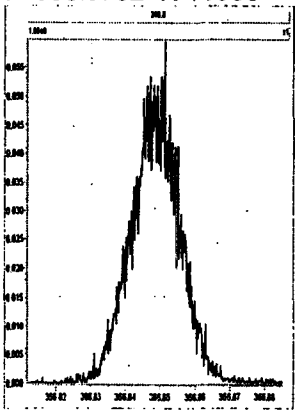
M 342.9792 R 11573



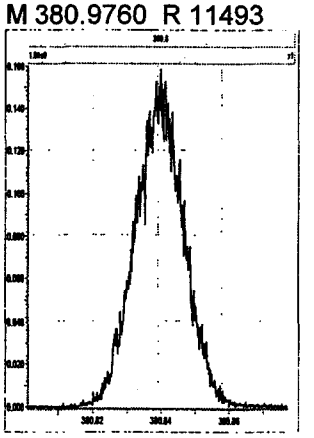
M 354.9792 R 11557



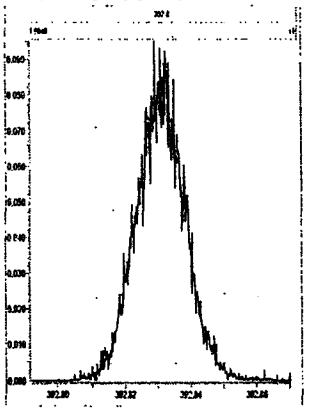
M 366.9792 R 11966



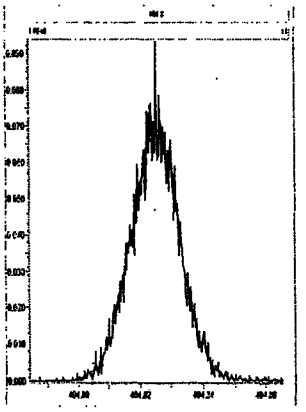
M 380.9760 R 11493



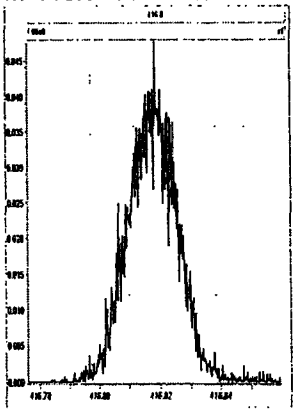
M 392.9760 R 11821



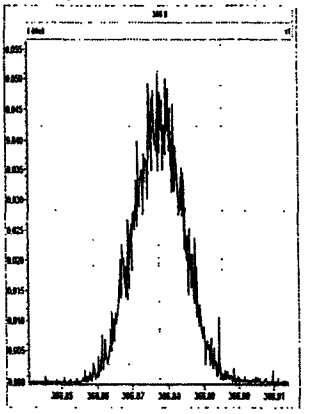
M 404.9760 R 11737



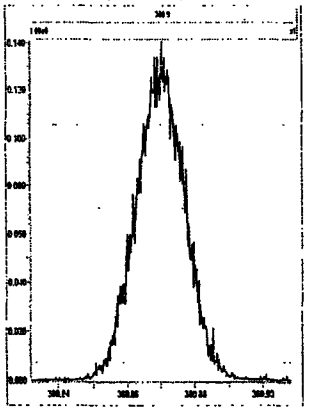
M 416.9760 R 12109



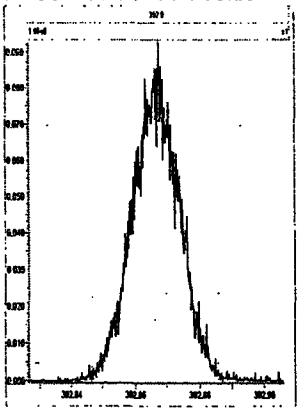
M 366.9792 R 11614



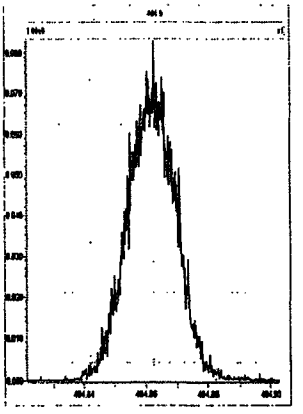
M 380.9760 R 11685



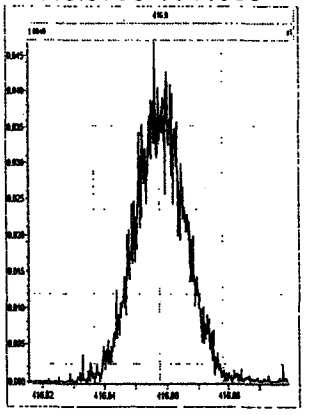
M 392.9760 R 11820



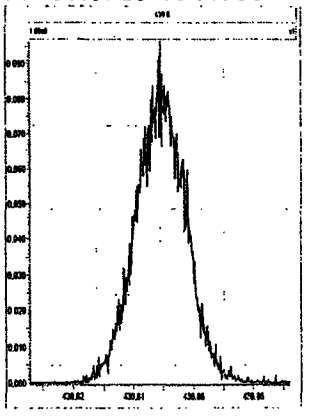
M 404.9760 R 11657



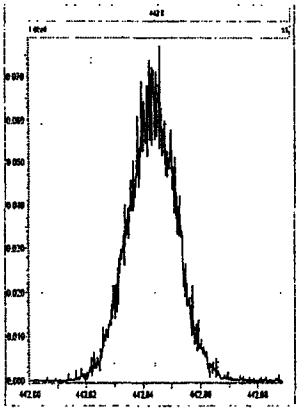
M 416.9760 R 11990



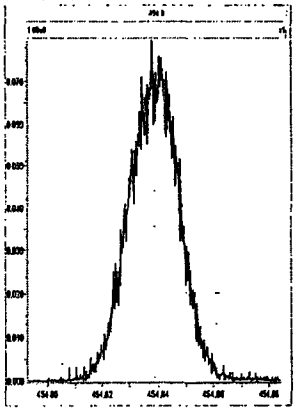
M 430.9728 R 11709



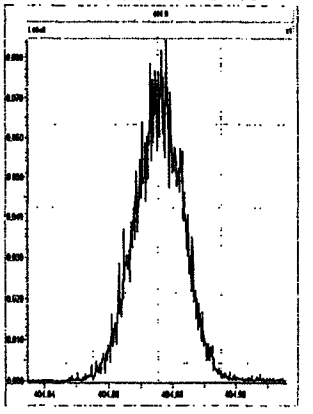
M 442.9728 R 11932



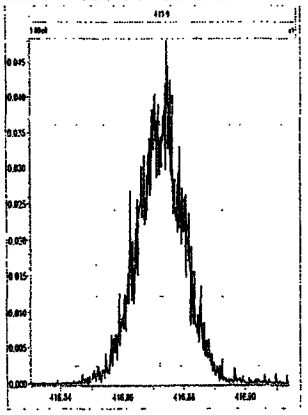
M 454.9728 R 11507



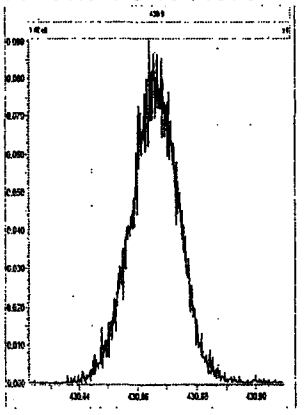
M 404.9760 R 12049



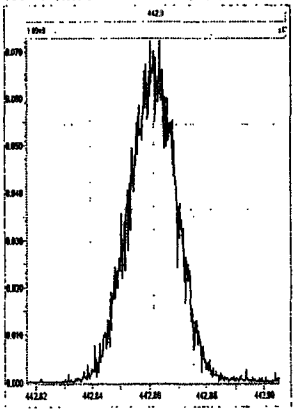
M 416.9760 R 12136



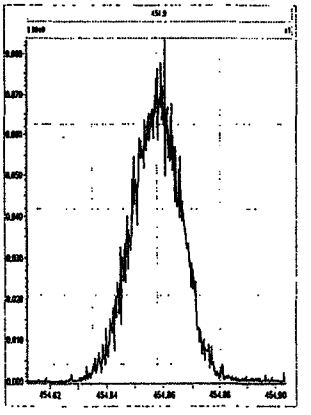
M 430.9728 R 11879



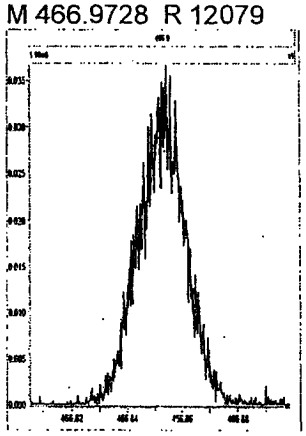
M 442.9728 R 12315



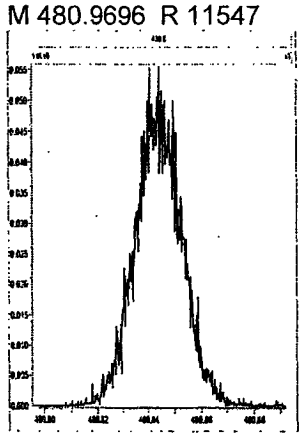
M 454.9728 R 12049



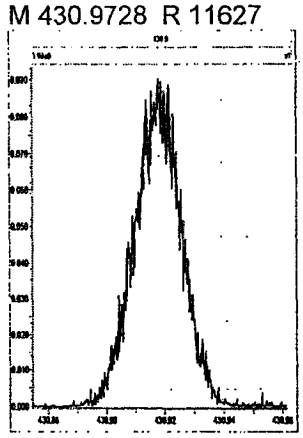
M 466.9728 R 12079



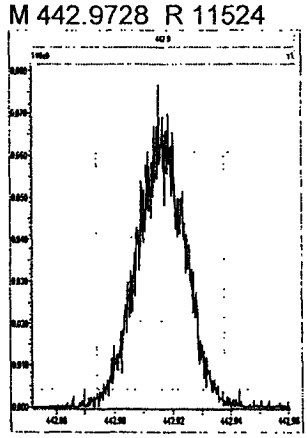
M 480.9696 R 11547



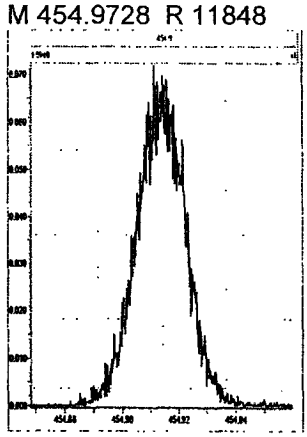
M 430.9728 R 11627



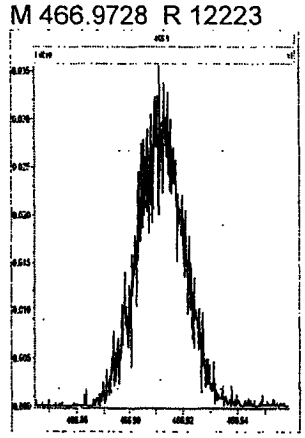
M 442.9728 R 11524



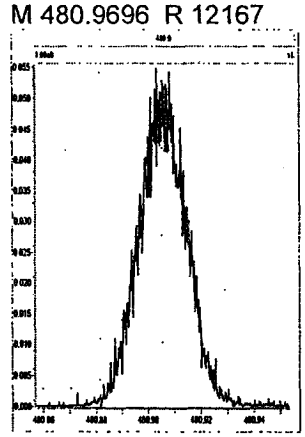
M 454.9728 R 11848



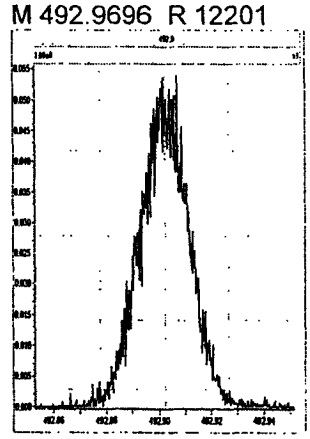
M 466.9728 R 12223



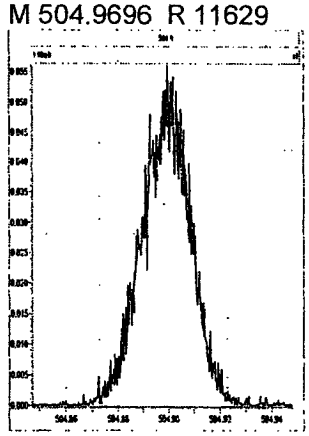
M 480.9696 R 12167



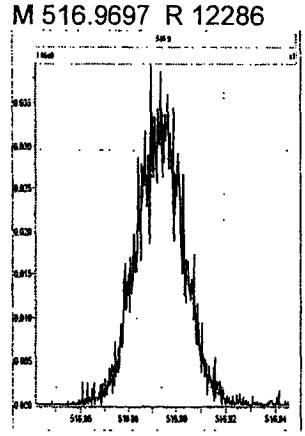
M 492.9696 R 12201



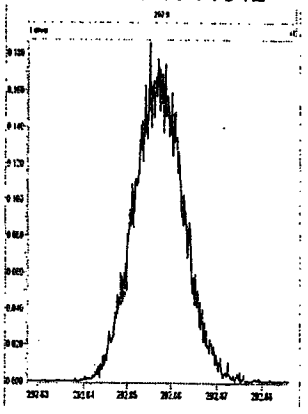
M 504.9696 R 11629



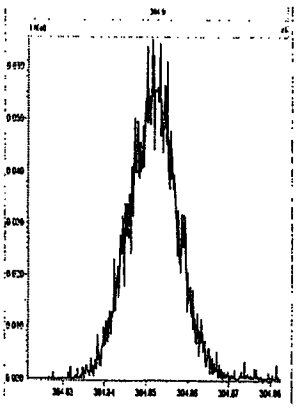
M 516.9697 R 12286



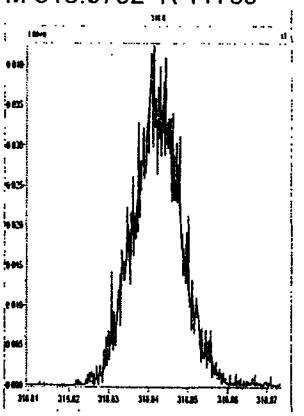
M 292.9824 R 11312



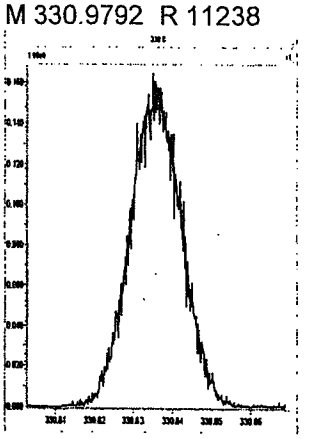
M 304.9824 R 11854



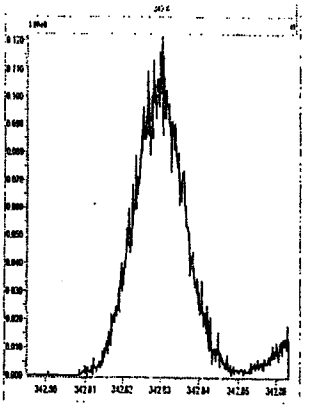
M 318.9792 R 11769



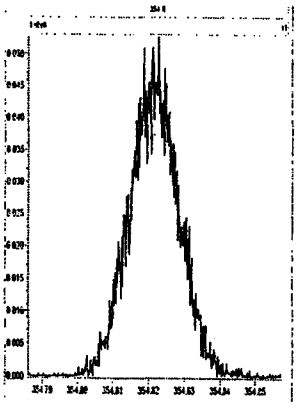
M 330.9792 R 11238



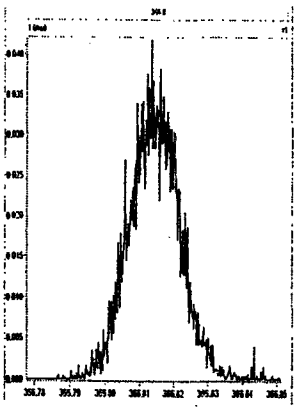
M 342.9792 R 11662



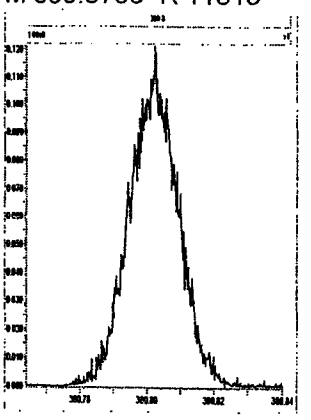
M 354.9792 R 11389



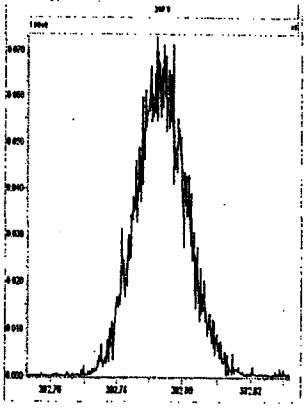
M 366.9792 R 12019



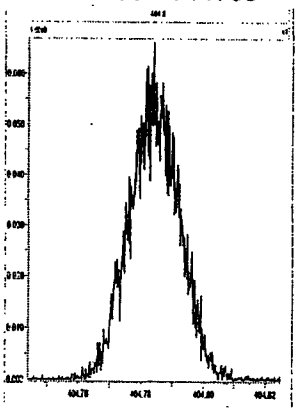
M 380.9760 R 11313



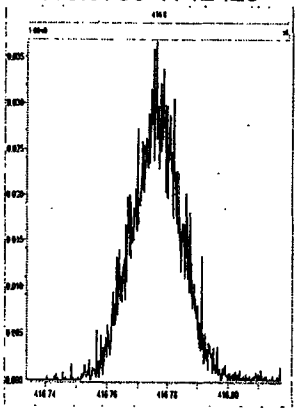
M 392.9760 R 11655



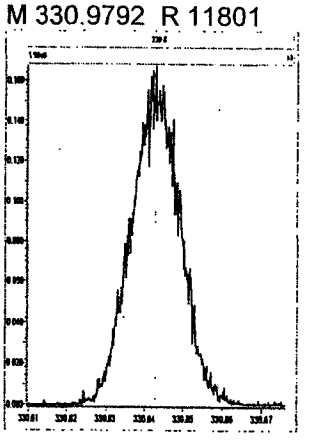
M 404.9760 R 11765



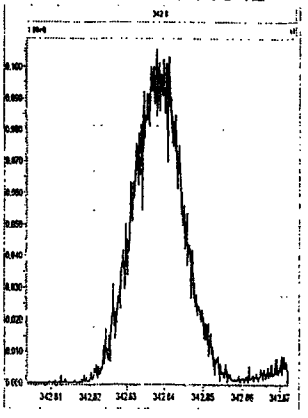
M 416.9760 R 12423



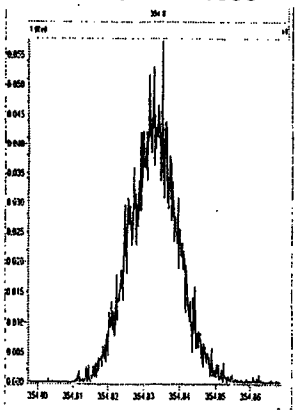
M 330.9792 R 11801



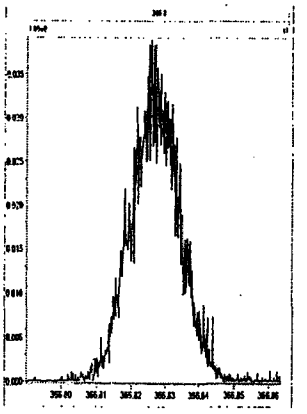
M 342.9792 R 11342



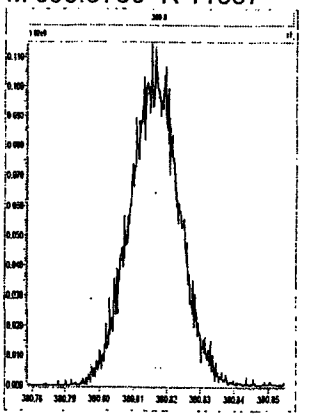
M 354.9792 R 11860

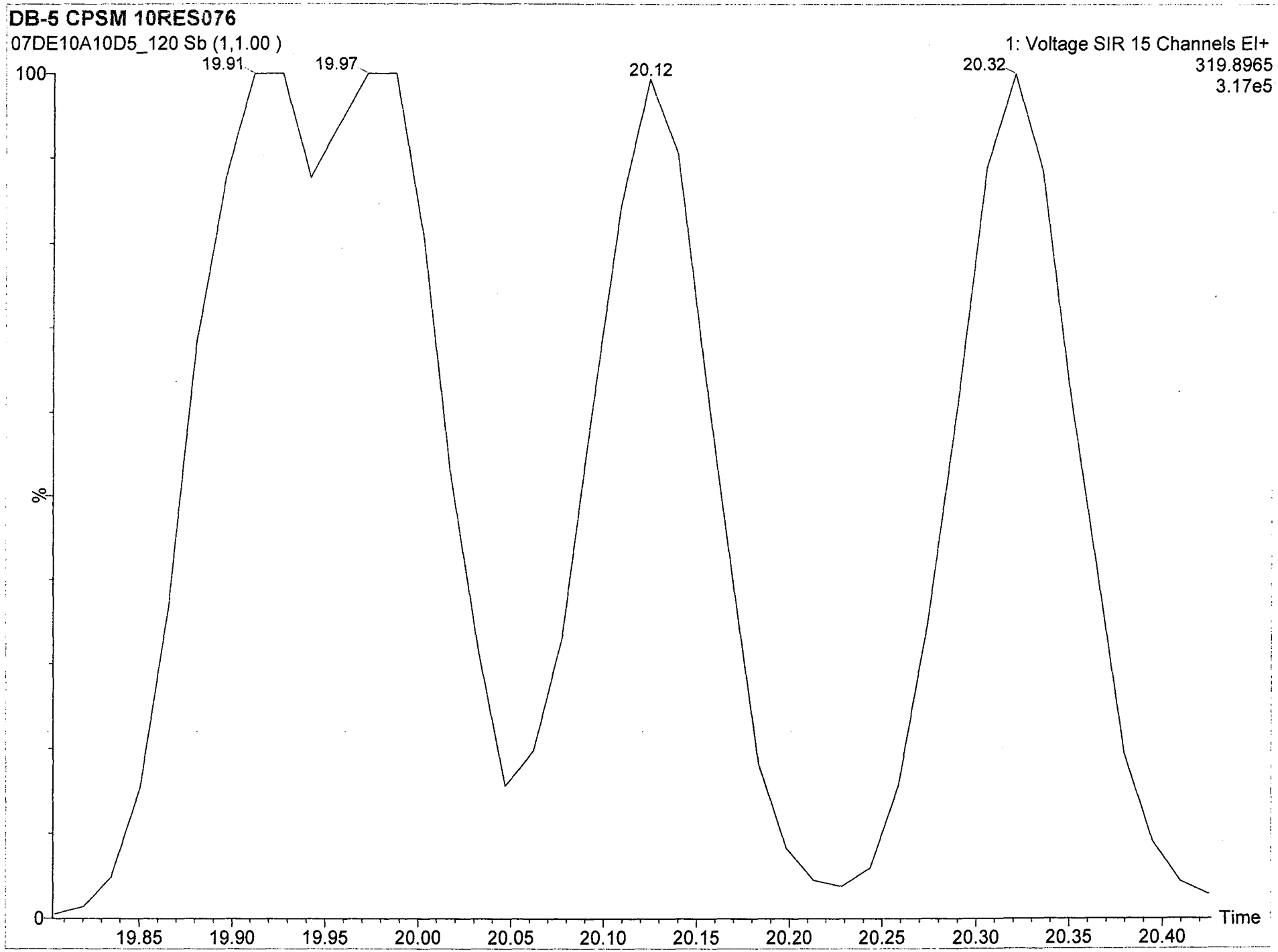


M 366.9792 R 11938



M 380.9760 R 11067




DB-5 CPSM 10RES076
07DE10A10D5_120 Sb (1,1.00)
1: Voltage SIR 15 Channels EI+
319.8965
3.17e5
19.91
19.97
20.12
20.32
100
%
0
Time
19.85
19.90
19.95
20.00
20.05
20.10
20.15
20.20
20.25
20.30
20.35
20.40

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 11:38:56 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D5TO9.cdb 13 Dec 2010 11:27:13

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.31203	0.02602	1.98292
4	2,3,7,8-TCDF	0.99766	0.05398	5.41067
5	Total TCDFs	0.99766	0.05398	5.41067
6				
7	13C-2,3,7,8-TCDD	0.90938	0.03350	3.68426
8	2,3,7,8-TCDD	1.03464	0.03788	3.66087
9	Total TCDDs	1.03464	0.03788	3.66088
10				
11	37CL-2,3,7,8-TCDD	0.65529	0.04007	6.11558
12				
13	13C-1,2,3,7,8-PeCDF	1.02378	0.03366	3.28821
14	1,2,3,7,8-PeCDF	1.09163	0.07636	6.99532
15	2,3,4,7,8-PeCDF	1.06412	0.07093	6.66572
16	Total F2 PeCDFs	1.07787	0.07357	6.82587
17	Total F1 PeCDFs	1.07787	0.07357	6.82587
18				
19	13C-1,2,3,7,8-PeCDD	0.73445	0.03188	4.34090
20	1,2,3,7,8-PeCDD	0.96030	0.07379	7.68439
21	Total PeCDDs	0.96030	0.07379	7.68439
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	1.04941	0.04078	3.88633
26	1,2,3,4,7,8-HxCDF	1.31260	0.08060	6.14026
27	1,2,3,6,7,8-HxCDF	1.43801	0.08073	5.61377
28	2,3,4,6,7,8-HxCDF	1.35233	0.06680	4.93996
29	1,2,3,7,8,9-HxCDF	1.19752	0.07420	6.19643
30	Total HxCDFs	1.32511	0.07456	5.62649
31				
32	13C-1,2,3,6,7,8-HxCDD	0.90452	0.04739	5.23895
33	1,2,3,4,7,8-HxCDD	0.98150	0.11886	12.11042
34	1,2,3,6,7,8-HxCDD	1.09425	0.09074	8.29235
35	1,2,3,7,8,9-HxCDD	1.05784	0.11025	10.42210
36	Total HxCDDs	1.04453	0.10589	10.13757
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.95391	0.04593	4.81530
39	1,2,3,4,6,7,8-HpCDF	1.46280	0.08159	5.57799
40	1,2,3,4,7,8,9-HpCDF	1.23081	0.07706	6.26095
41	Total HpCDFs	1.34680	0.07868	5.84221
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.84836	0.04441	5.23520
44	1,2,3,4,6,7,8-HpCDD	1.05453	0.09764	9.25898
45	Total HpCDDs	1.05453	0.09764	9.25898
46				
47	13C-OCDD	0.67464	0.02285	3.38633

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:38:35 Pacific Standard Time
Printed: Monday, December 13, 2010 11:38:56 Pacific Standard Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.48610	0.14046	9.45134
49	OCDD	1.14618	0.09332	8.14138
50				
51				
52	Function 1 PFK			
53	Function 2 PFK			
54	Function 3 PFK			
55	Function 4 PFK			
56	Function 5 PFK			
57	TCDF PCDPE			
58	F1 PeCDF PCDPE			
59	F2 PeCDF PCDPE			
60	HXCDF PCDPE			
61	HPCDF PCDPE			
62	OCDF PCDPE			

Quantify Sample Report **MassLynx 4.1**

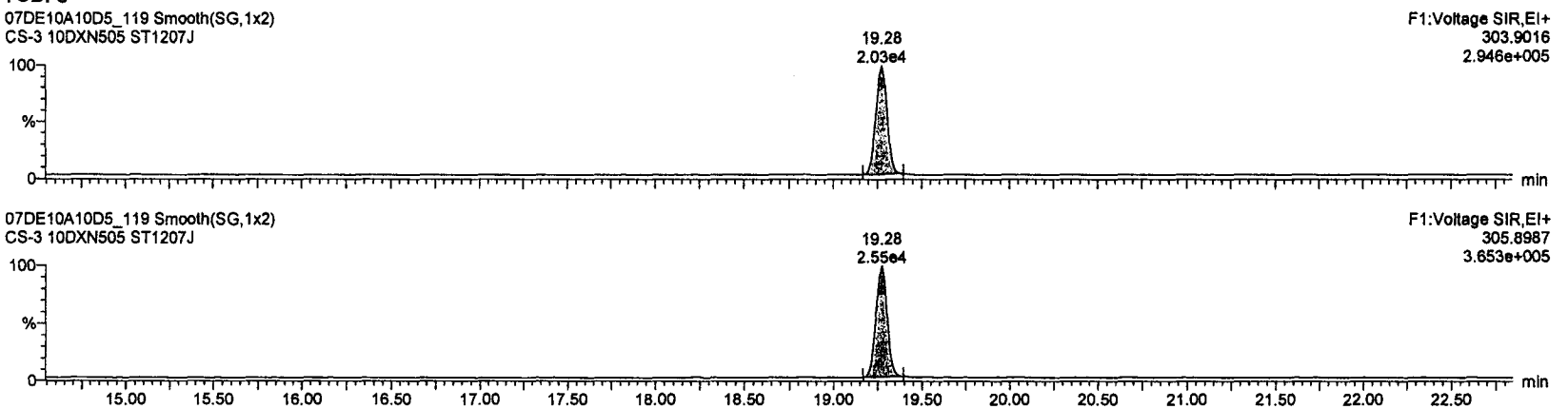
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

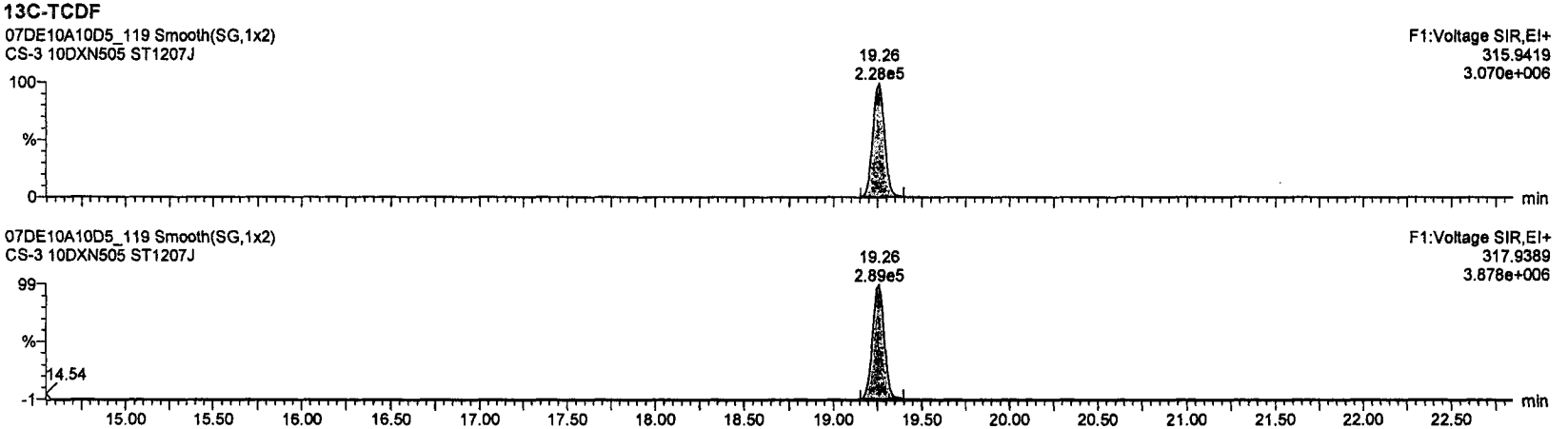
Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA09291010D58290.cdb 30 Sep 2010 09:13:51

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

TCDFs



13C-TCDF



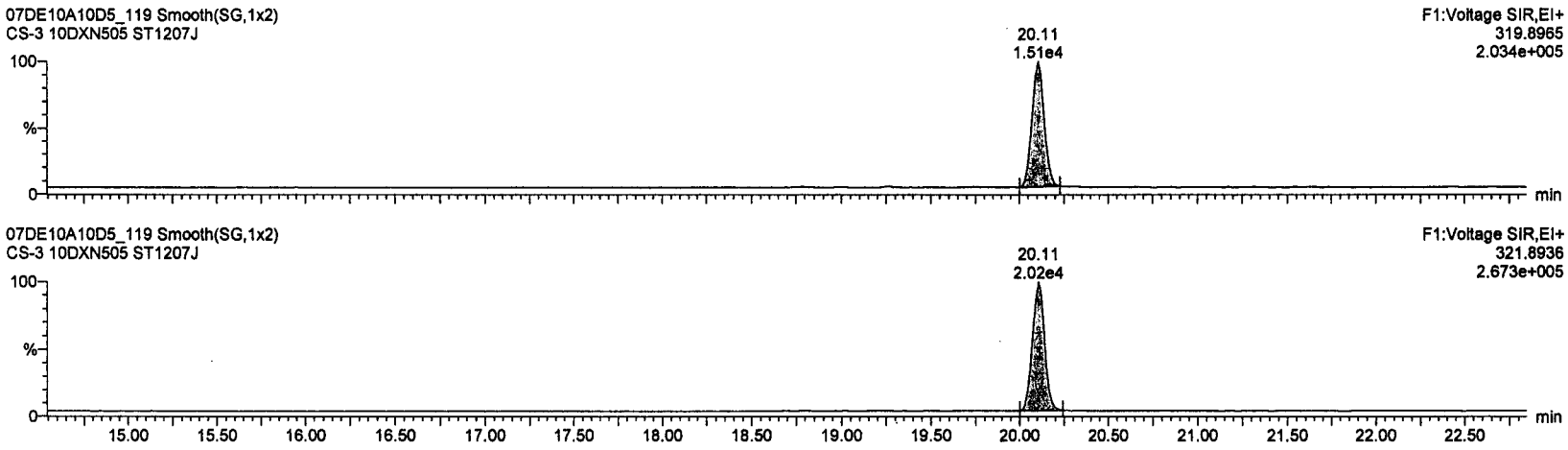
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

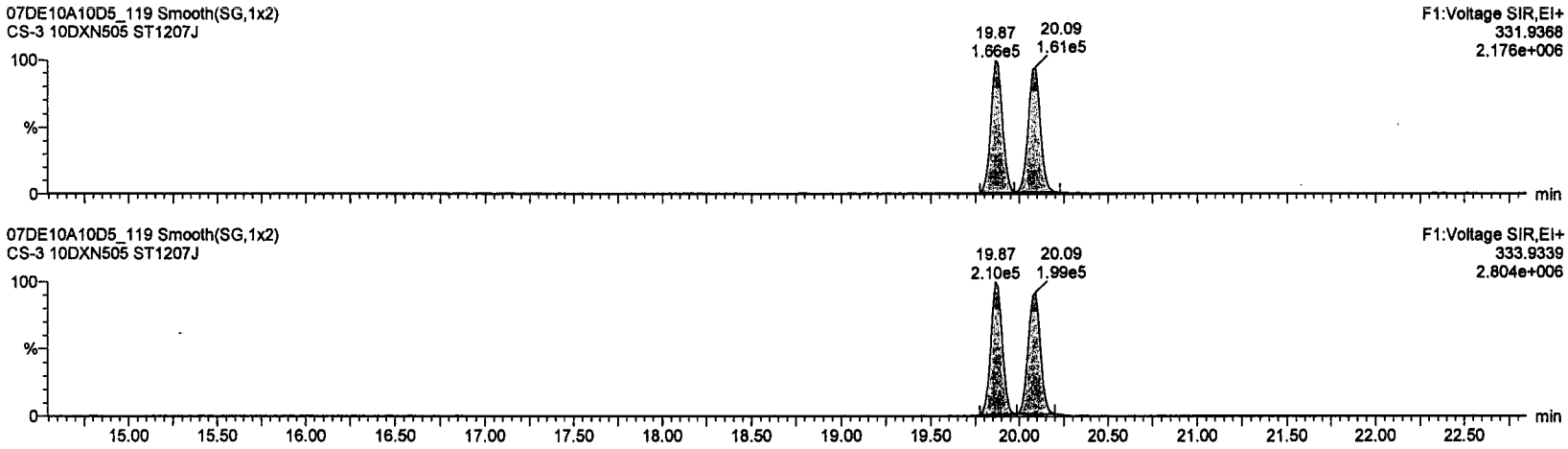
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

TCDDs



13C-TCDDs



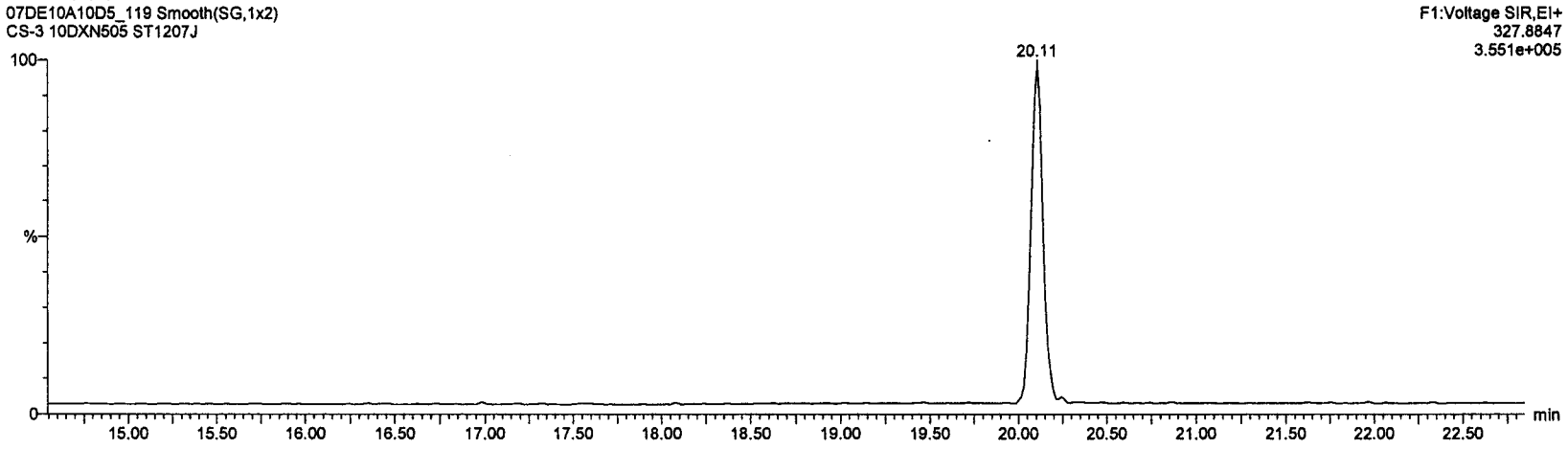
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

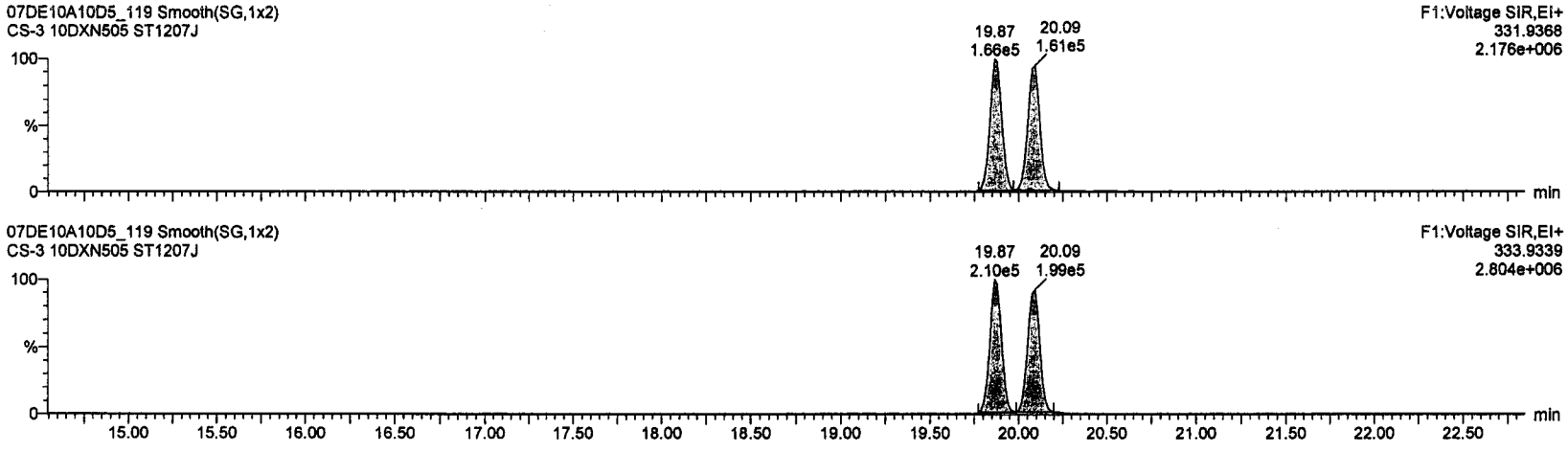
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

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



13C-TCDDs



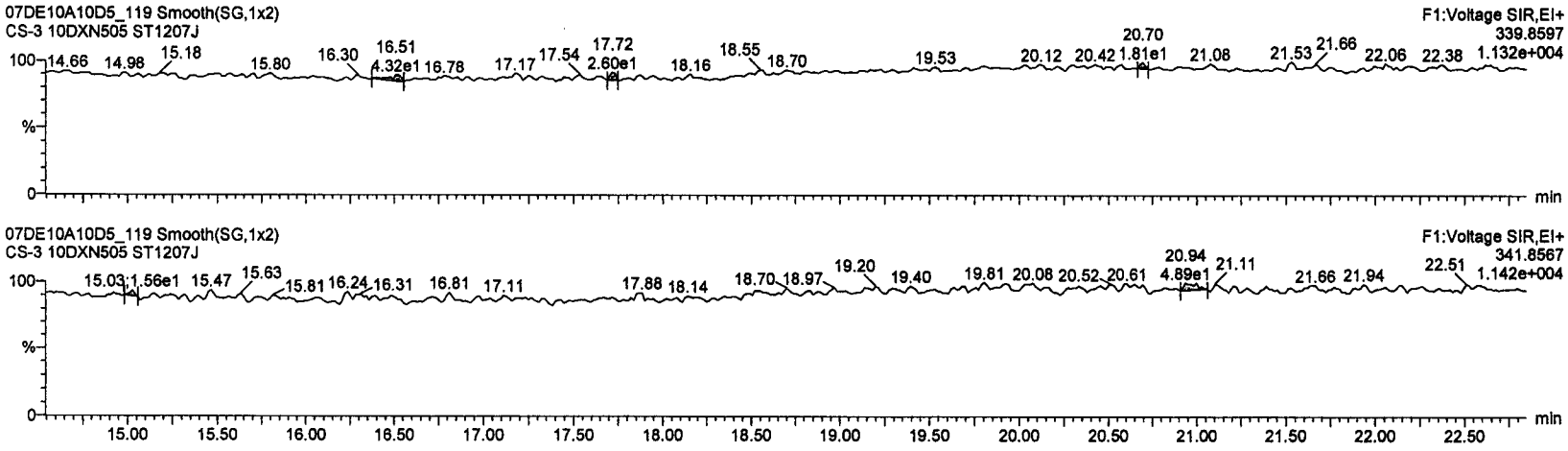
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

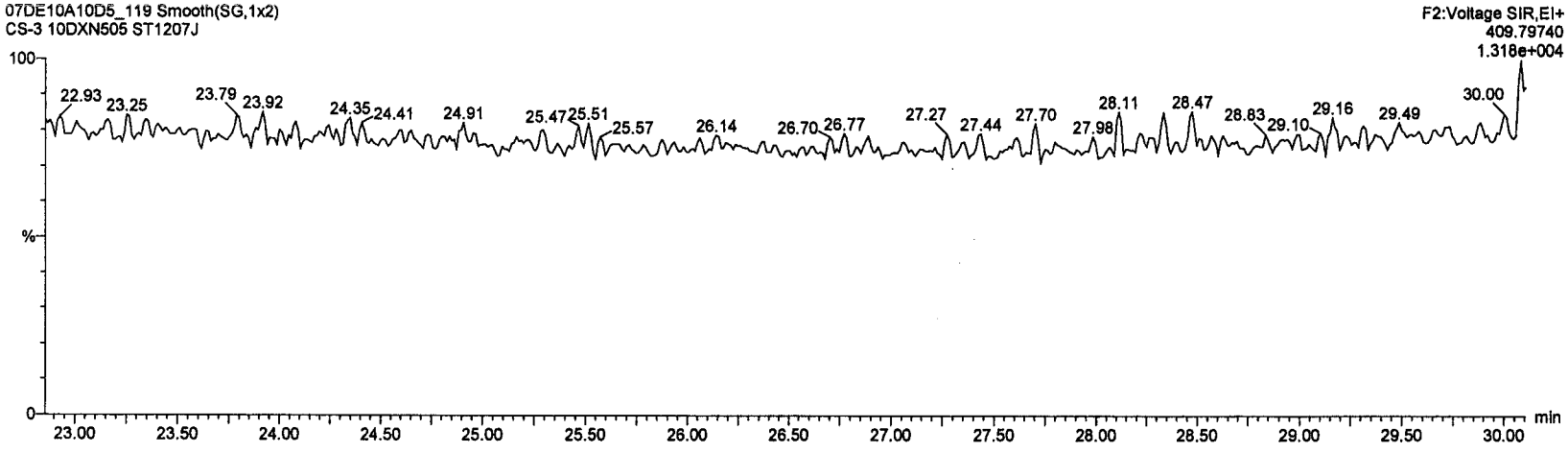
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

F1 PeCDFs



F1 PeCDF PCDPE



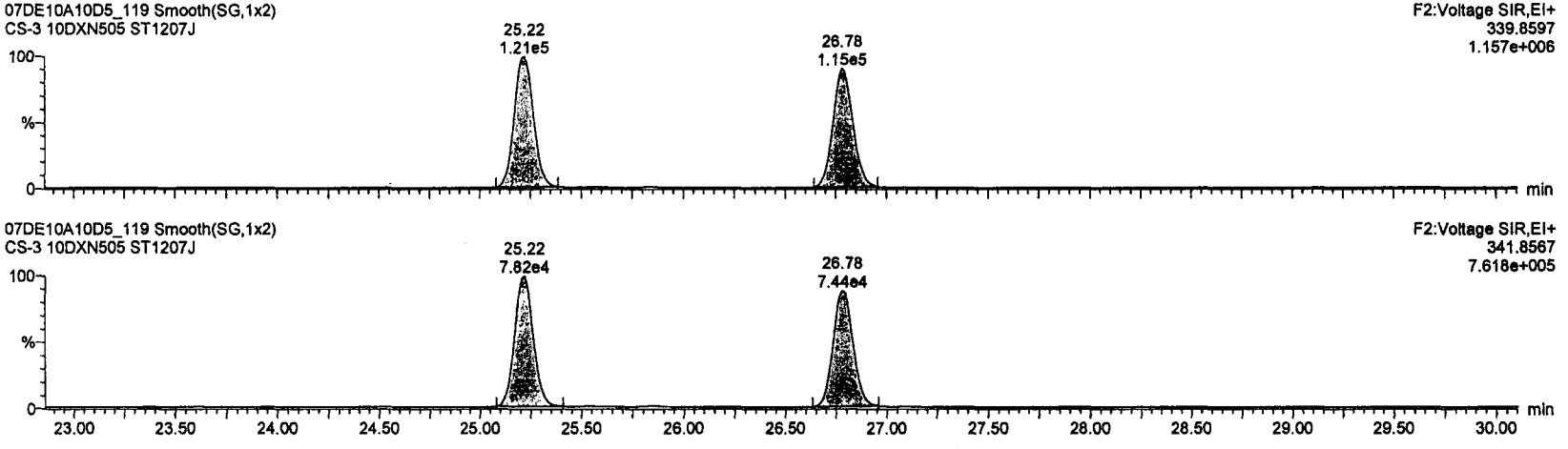
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

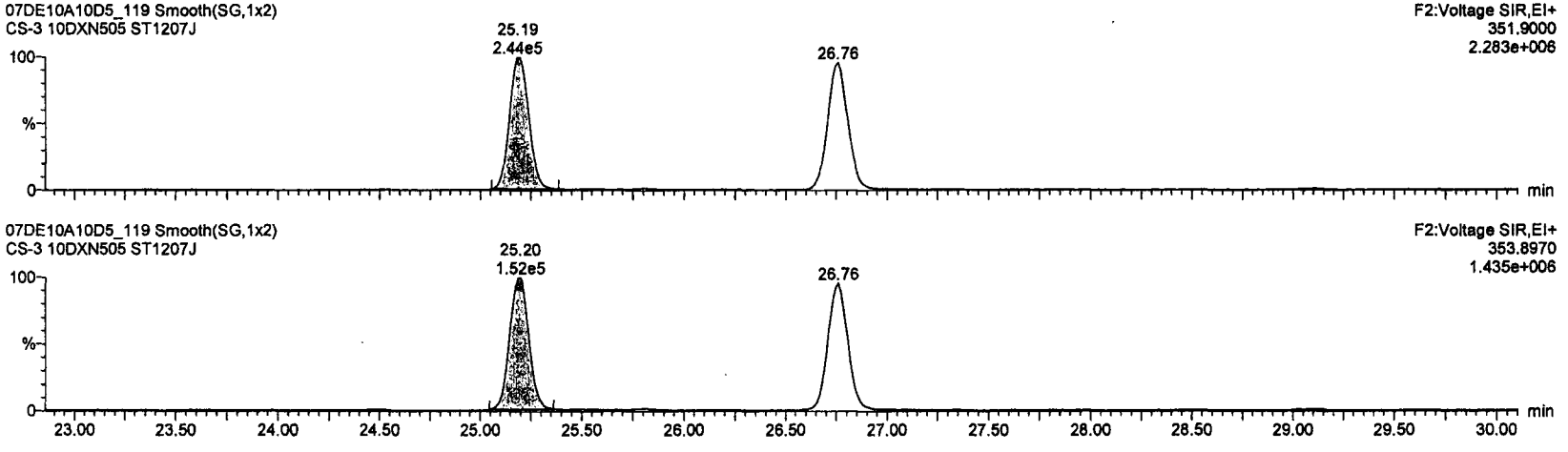
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

PeCDFs



13C-PeCDFs



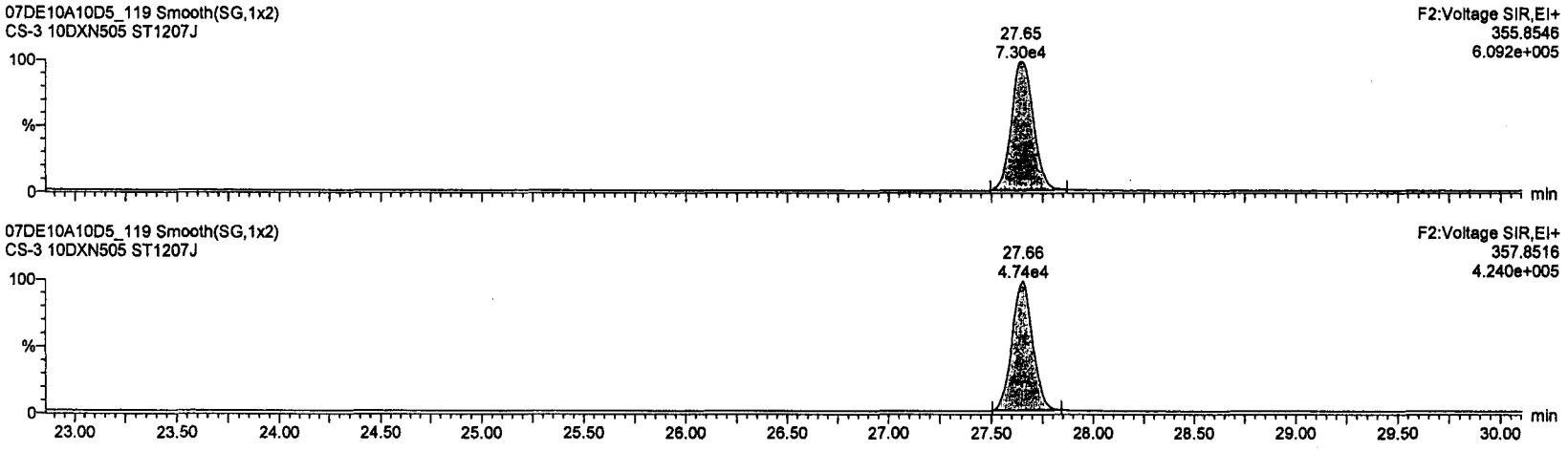
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

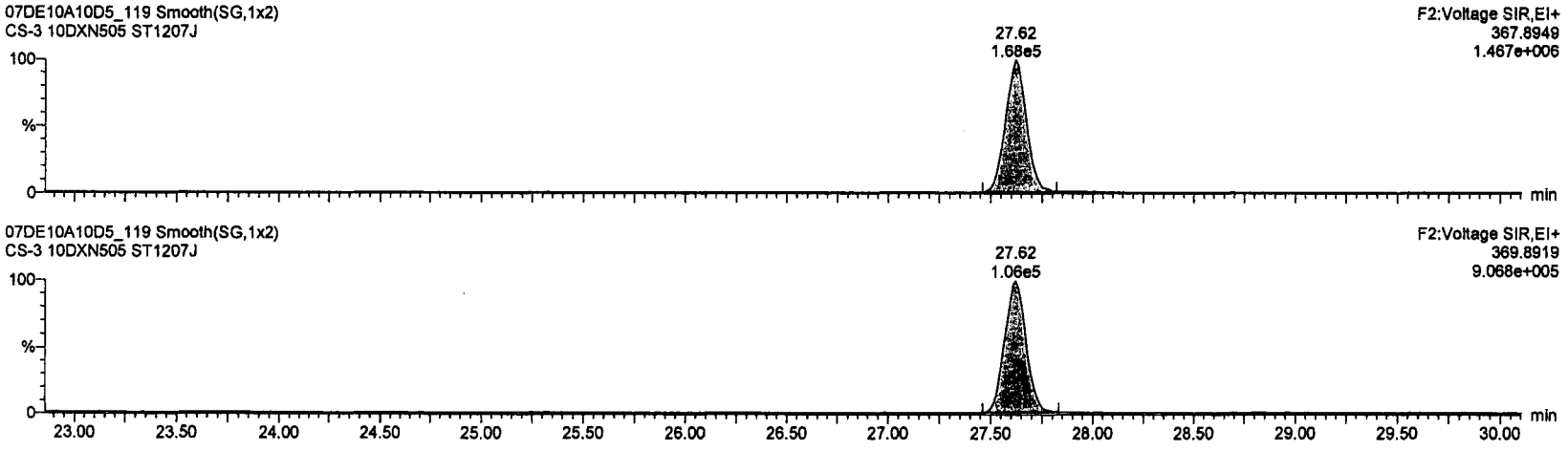
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

PeCDDs



13C-PeCDD



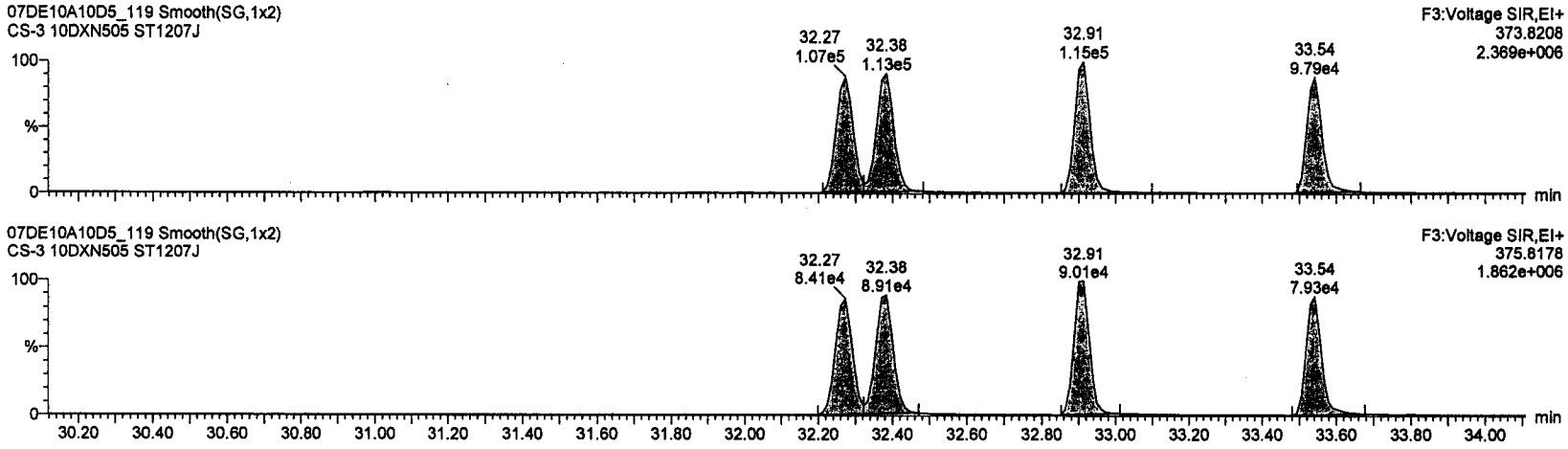
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

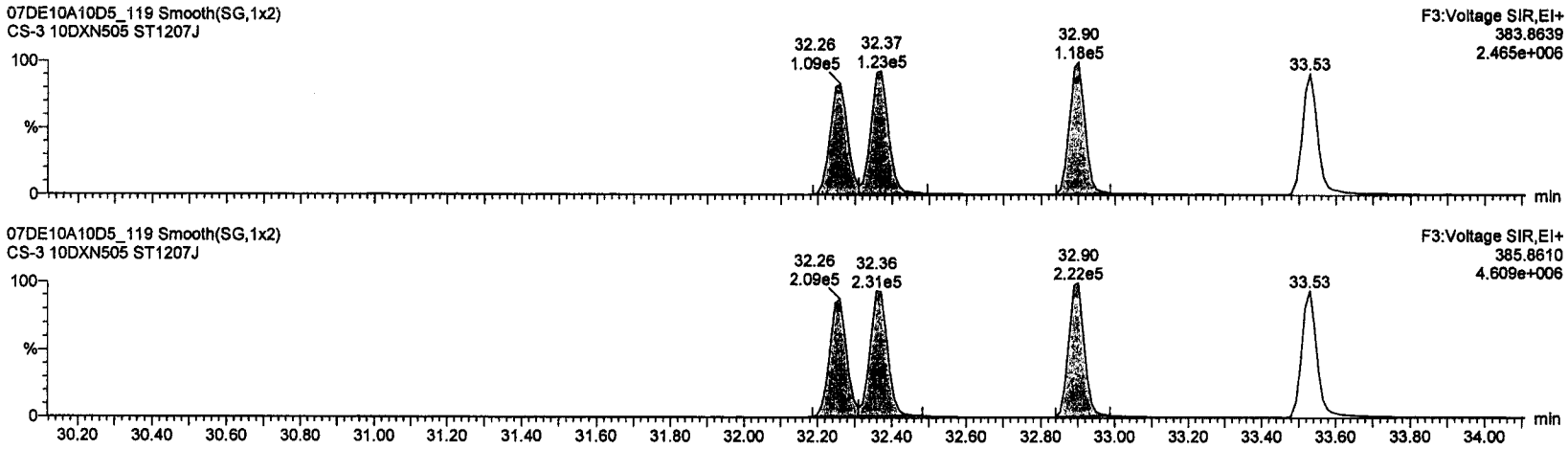
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

HxCDFs



13C-HxCDFs



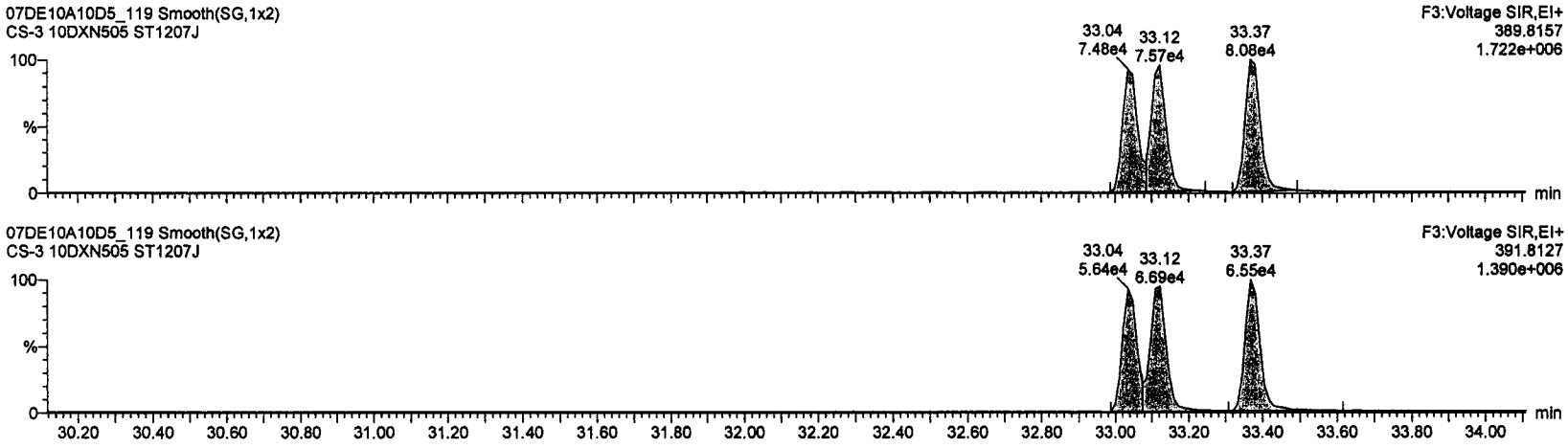
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

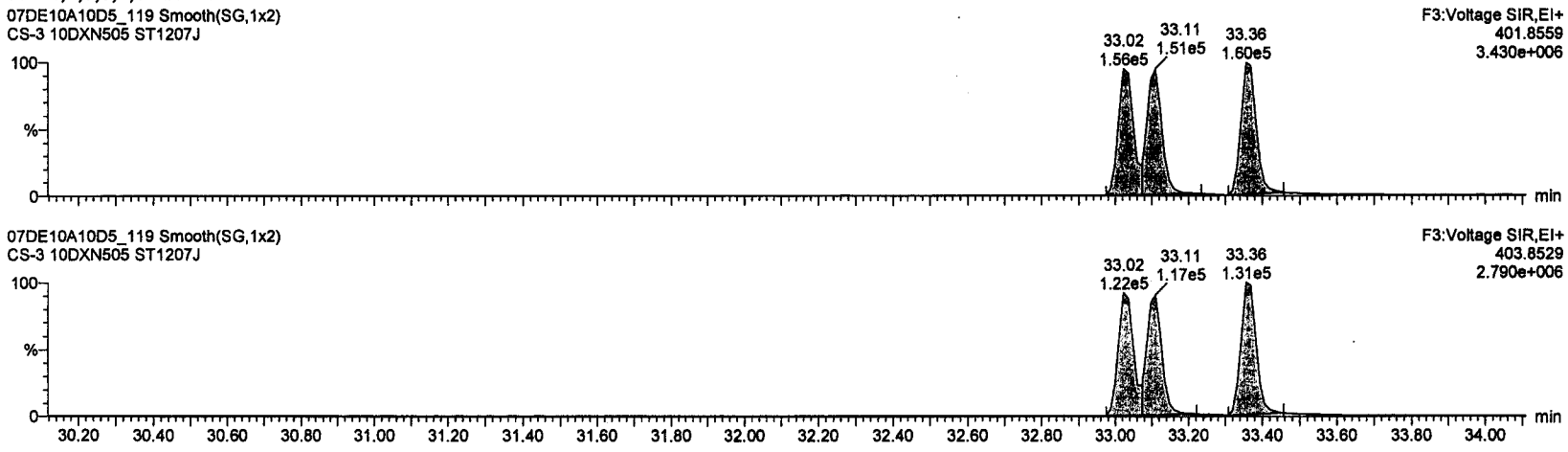
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

HxCDDs



13C-1,2,3,6,7,8-HxCDD



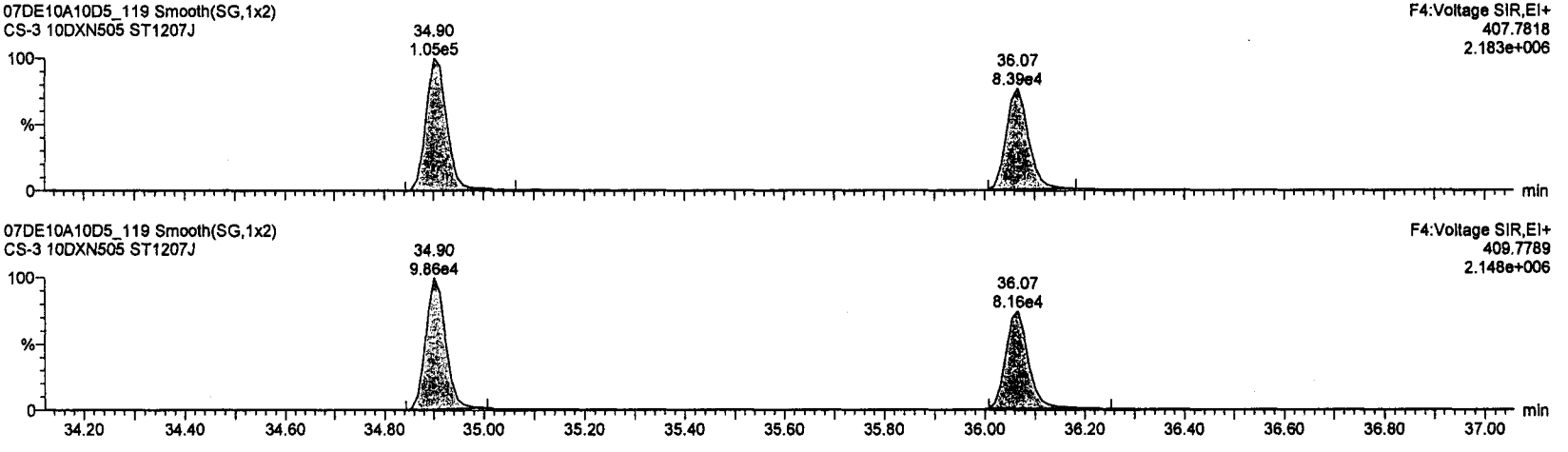
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

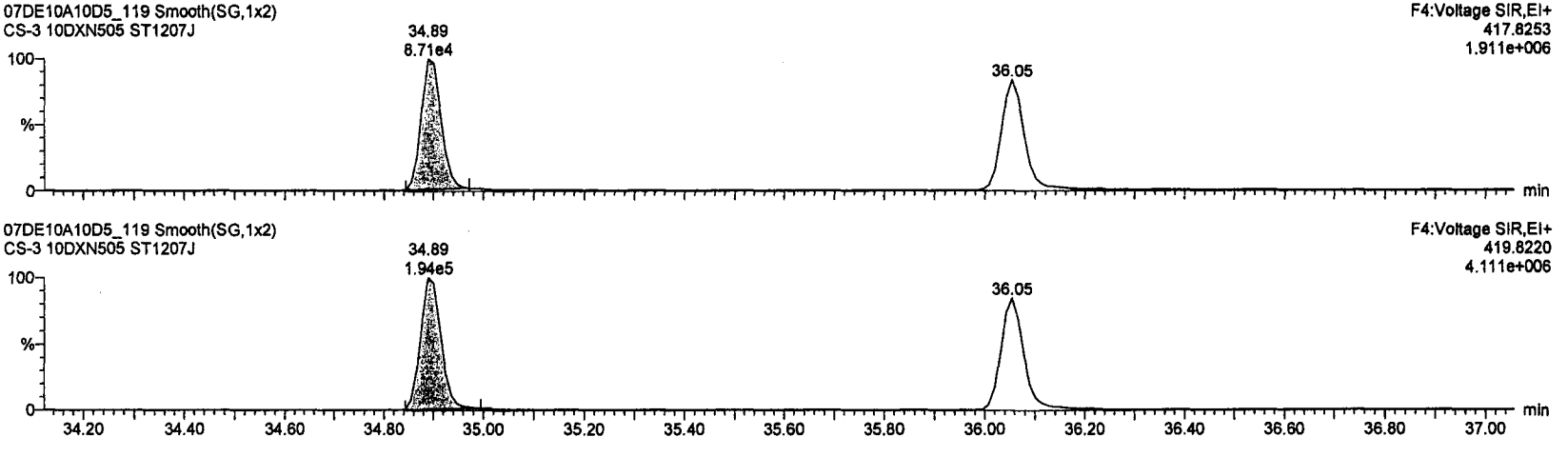
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

HpCDFs



13C-HpCDFs



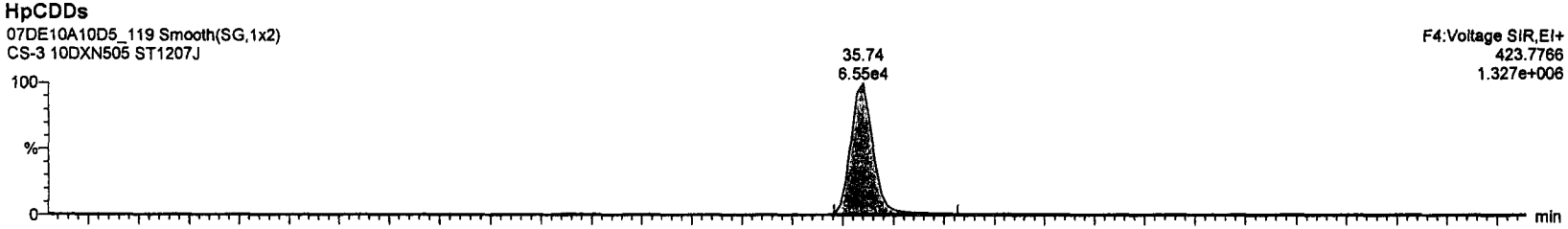
Quantify Sample Report **MassLynx 4.1**

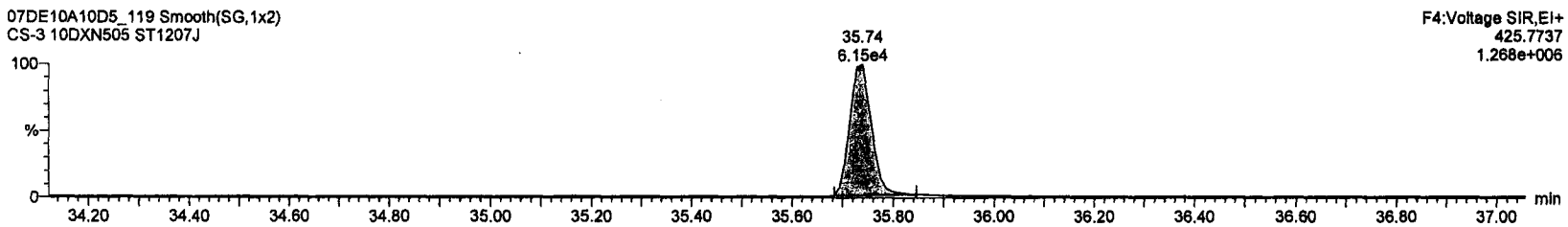
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

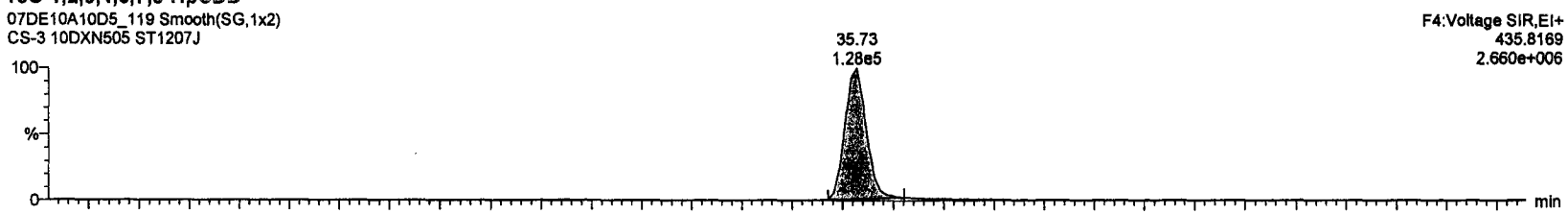
Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

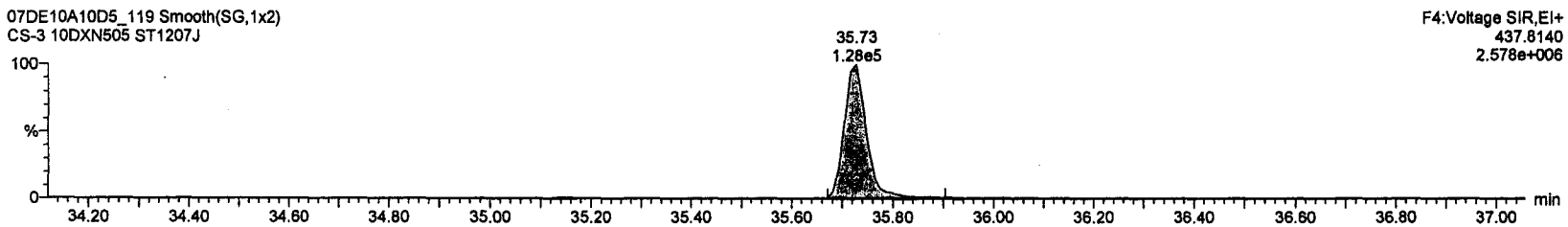
HpCDDs





13C-1,2,3,4,6,7,8-HpCDD





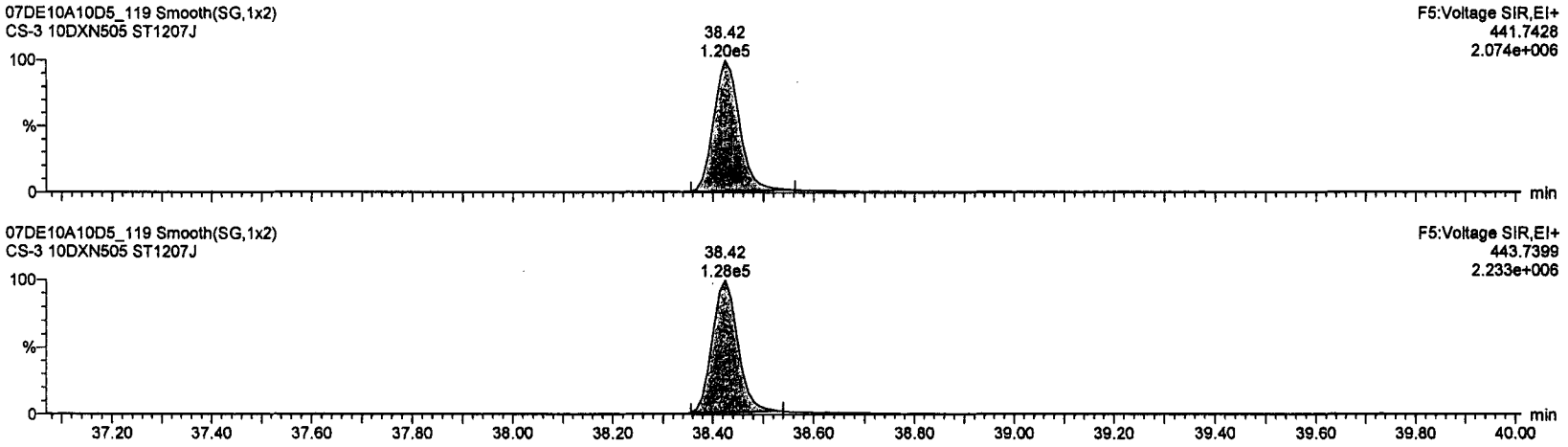
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

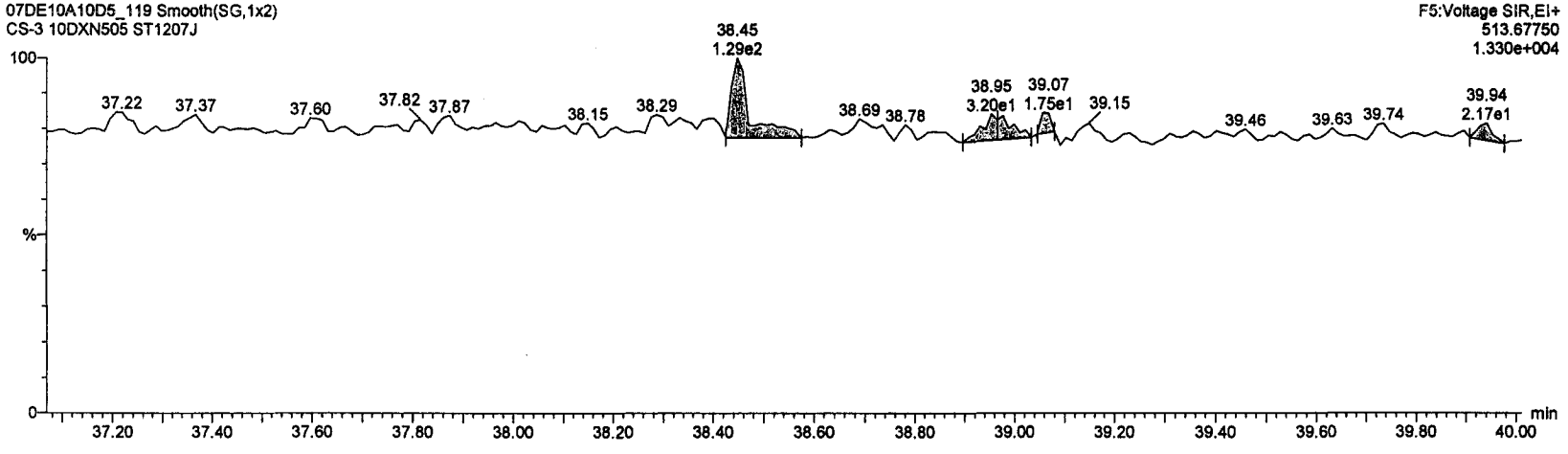
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

OCDFs



OCDF PCDPE



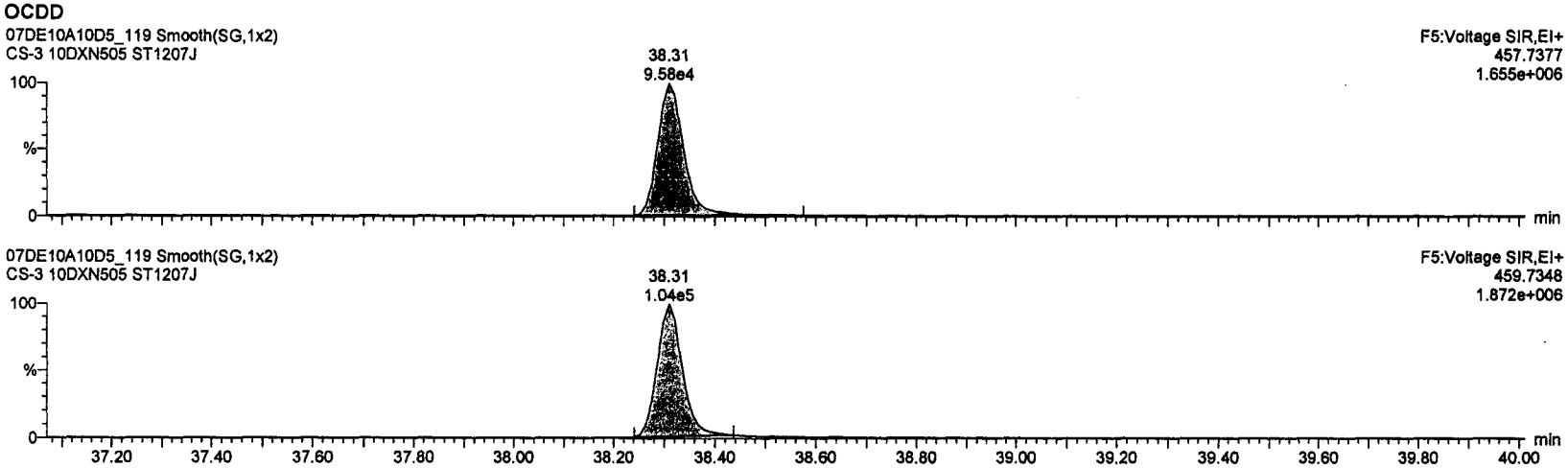
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

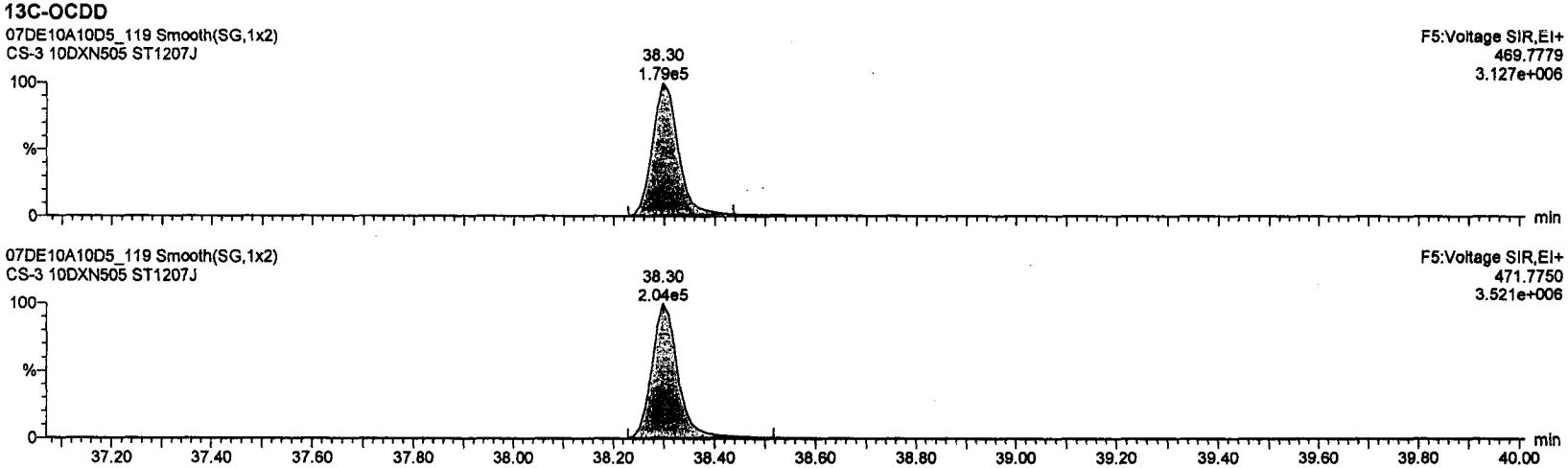
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

OCDD



13C-OCDD



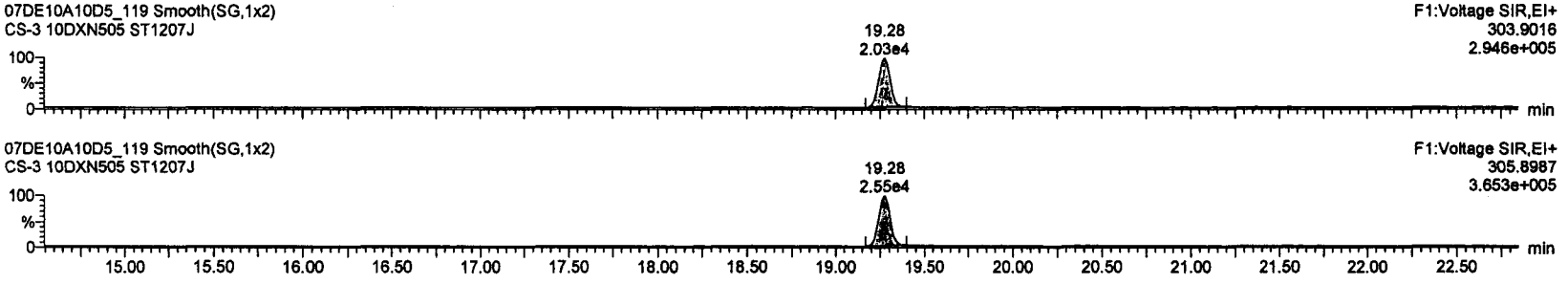
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

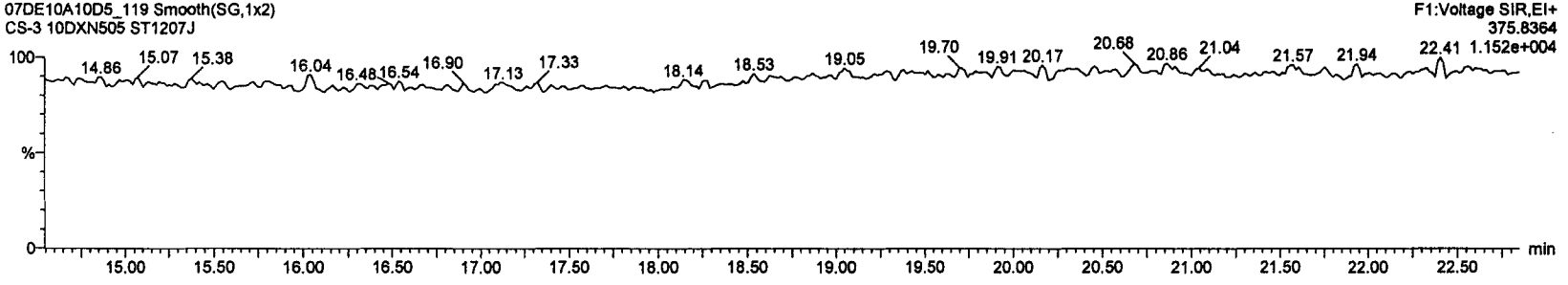
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

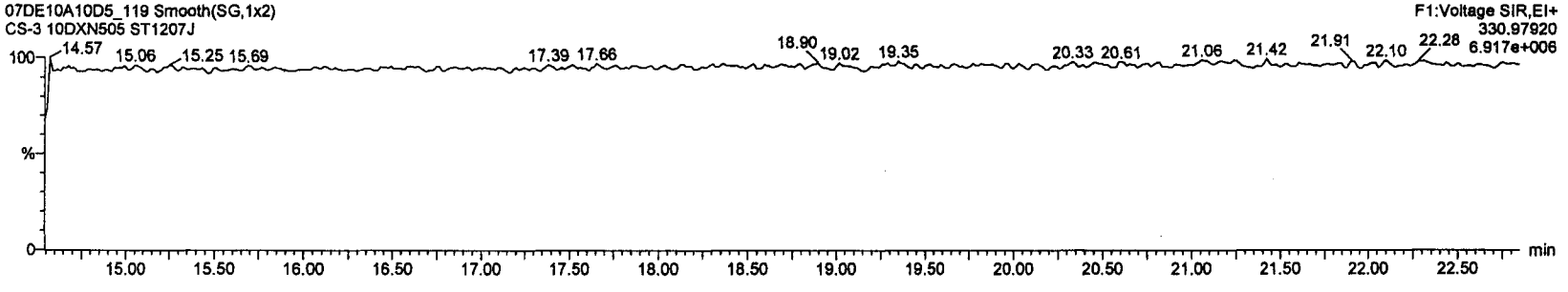
TCDFs



TCDF PCDPE



Function 1 PFK



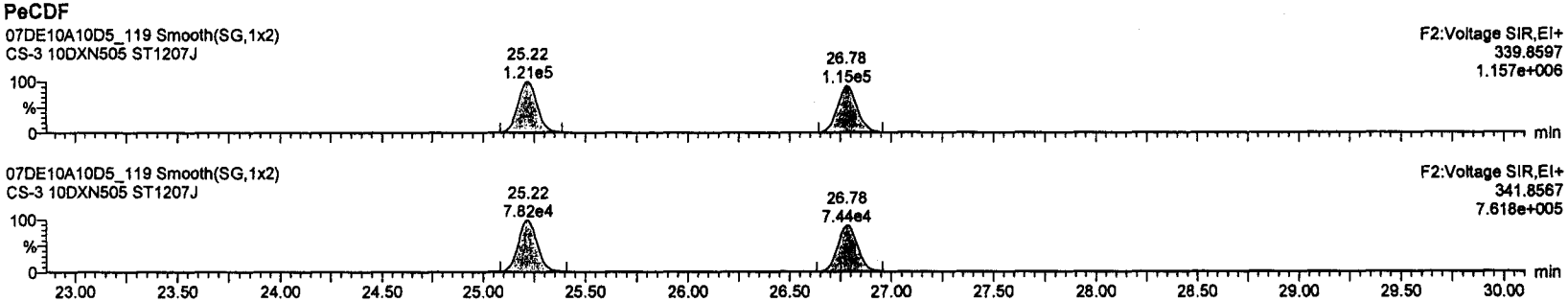
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

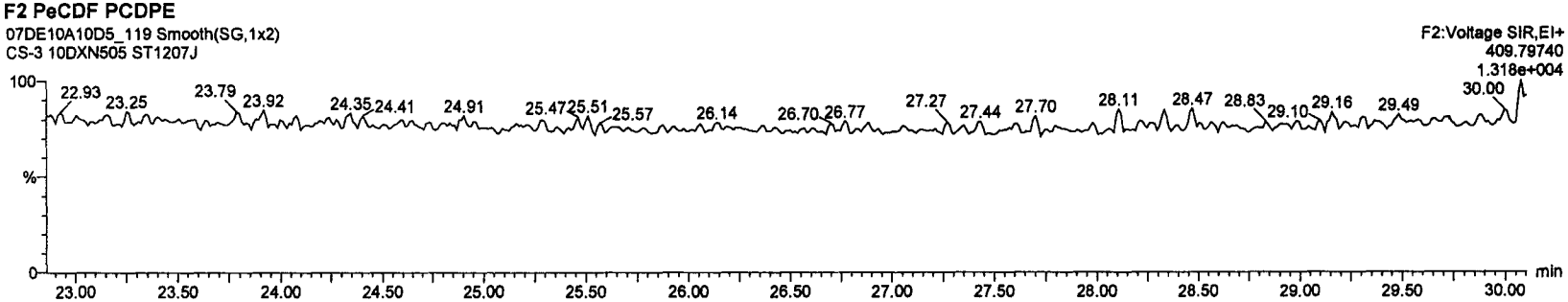
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

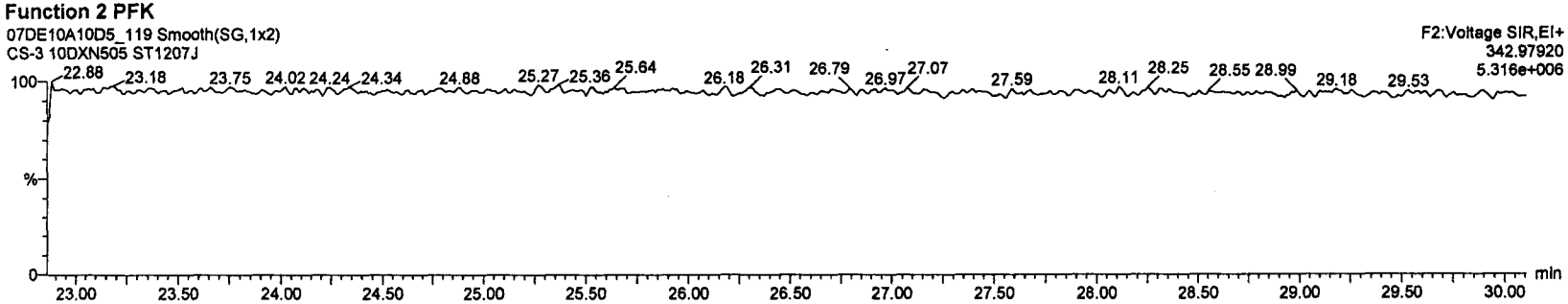
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



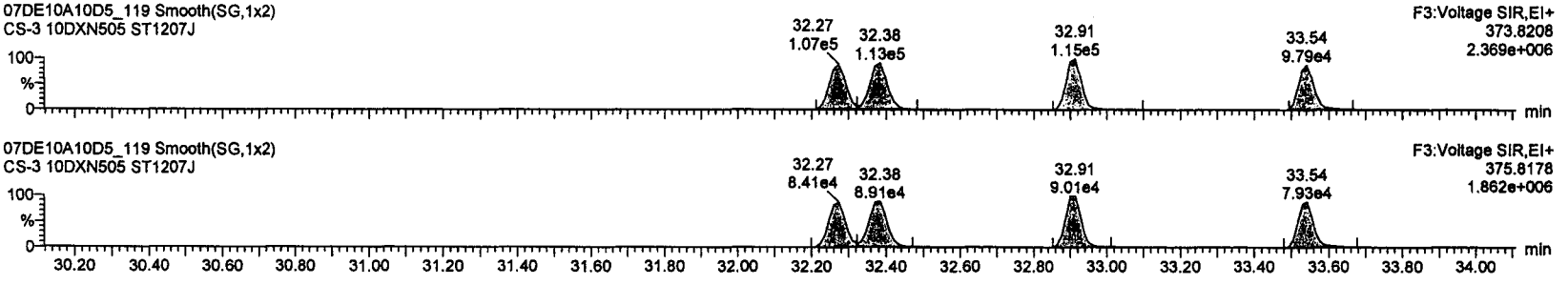
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

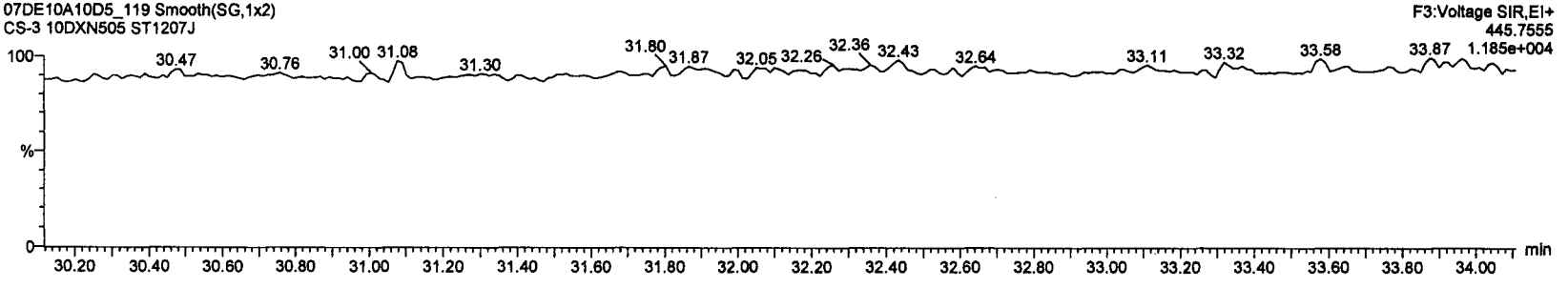
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

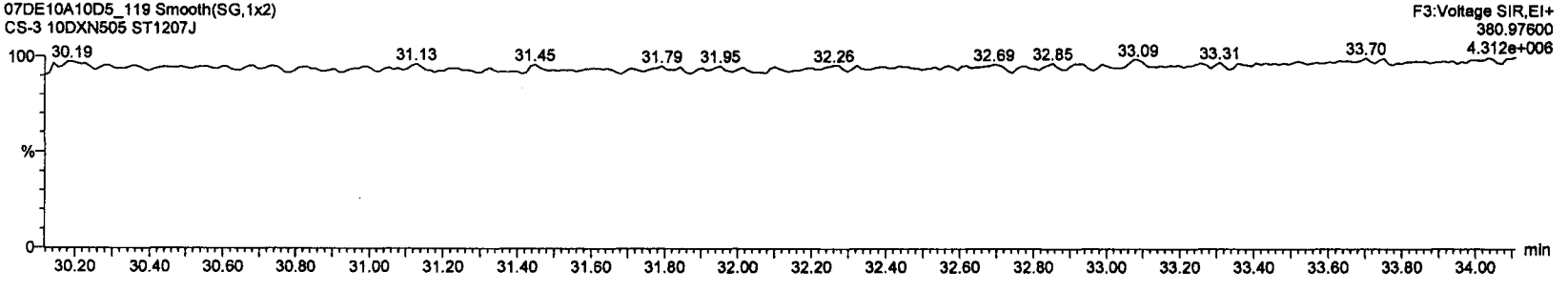
HxCDFs



HxCDF PCDPE



Function 3 PFK



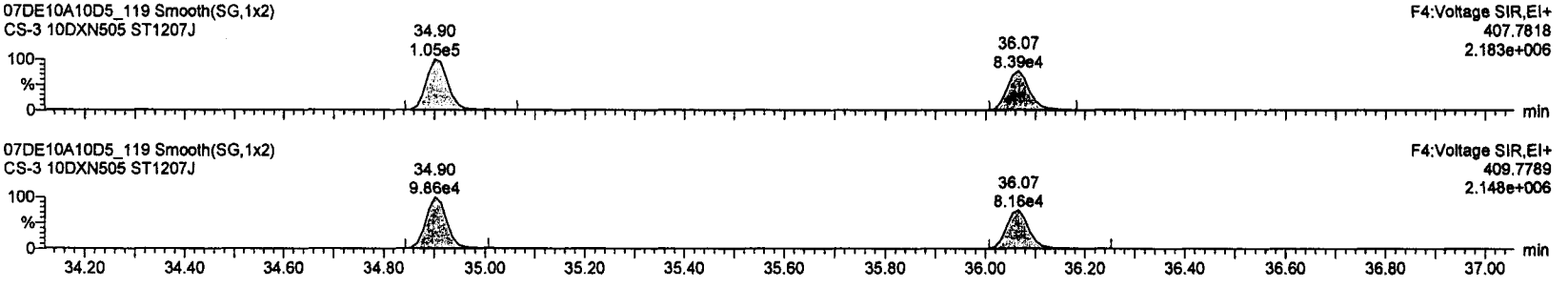
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

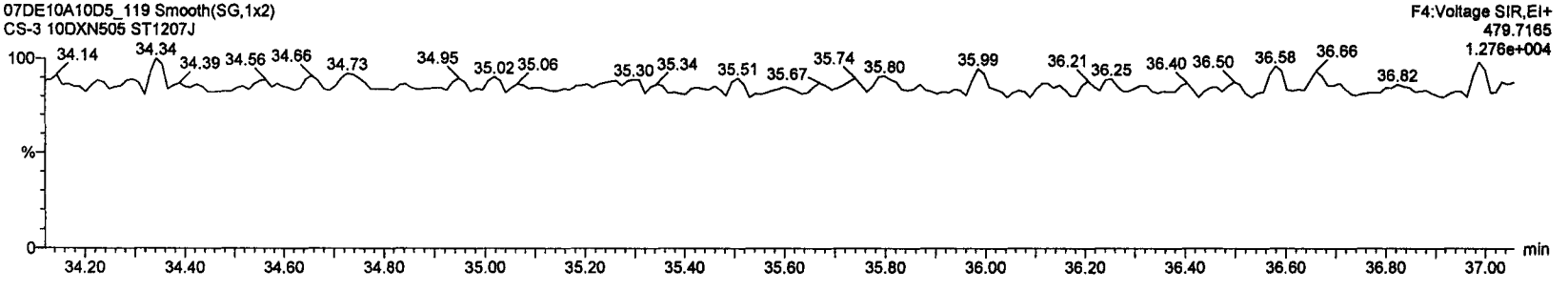
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

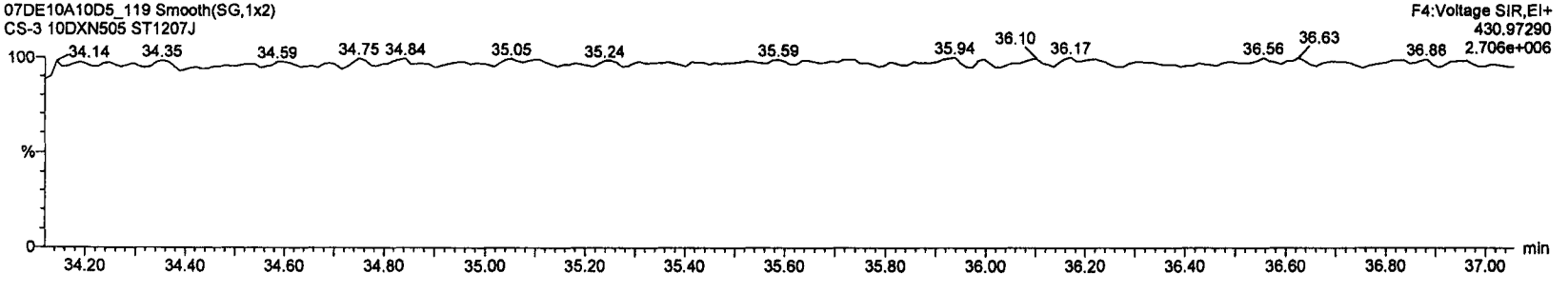
HpCDFs



HpCDF PCDPE



Function 4 PFK



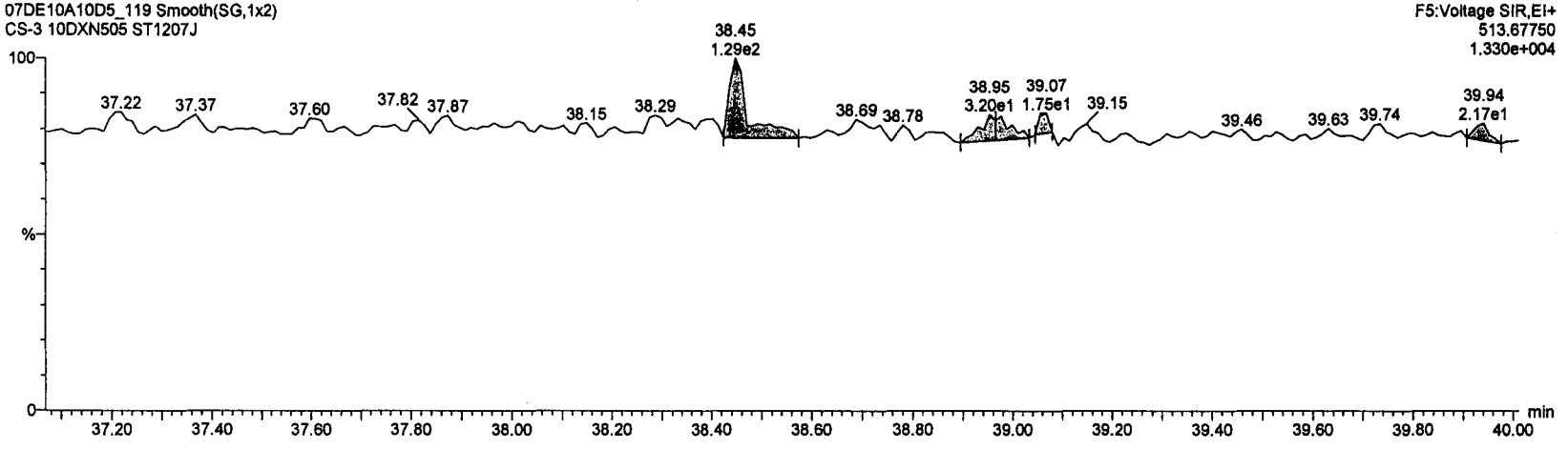
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

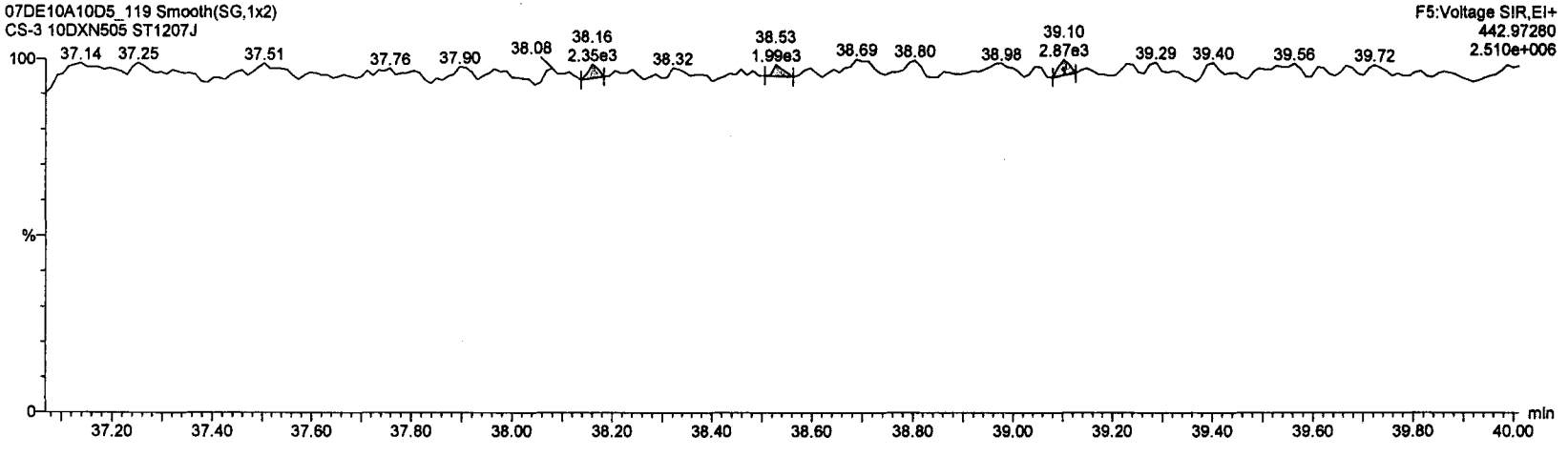
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_119, Date: 11-Dec-2010, Time: 10:33:28, ID: ST1207J, Description: CS-3 10DXN505

OCDF PCDPE



Function 5 PFK



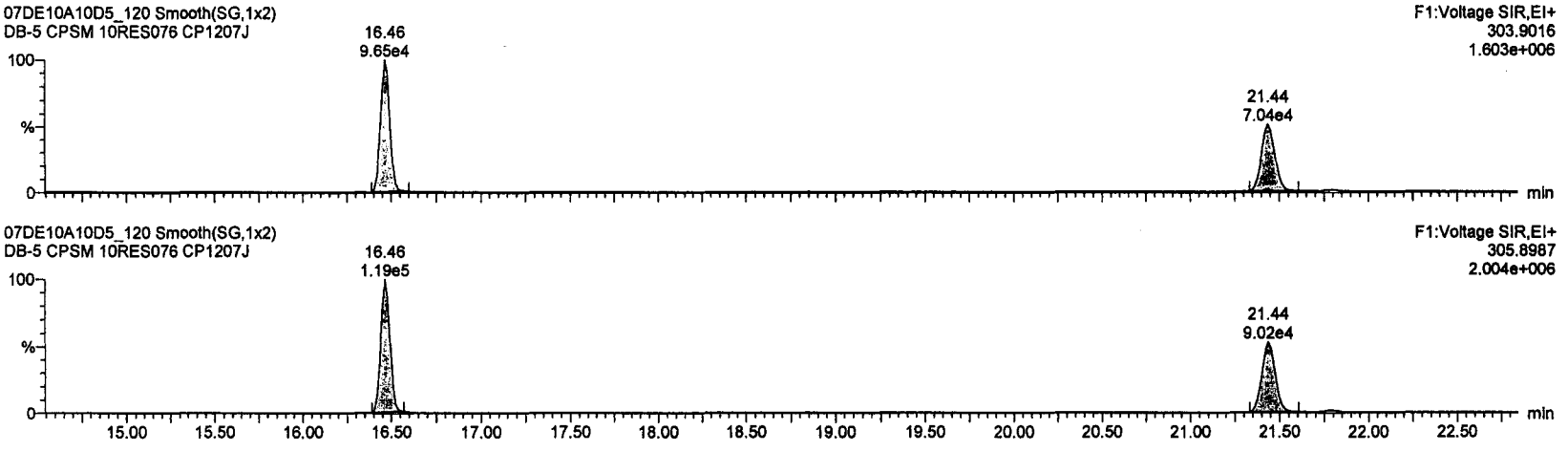
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

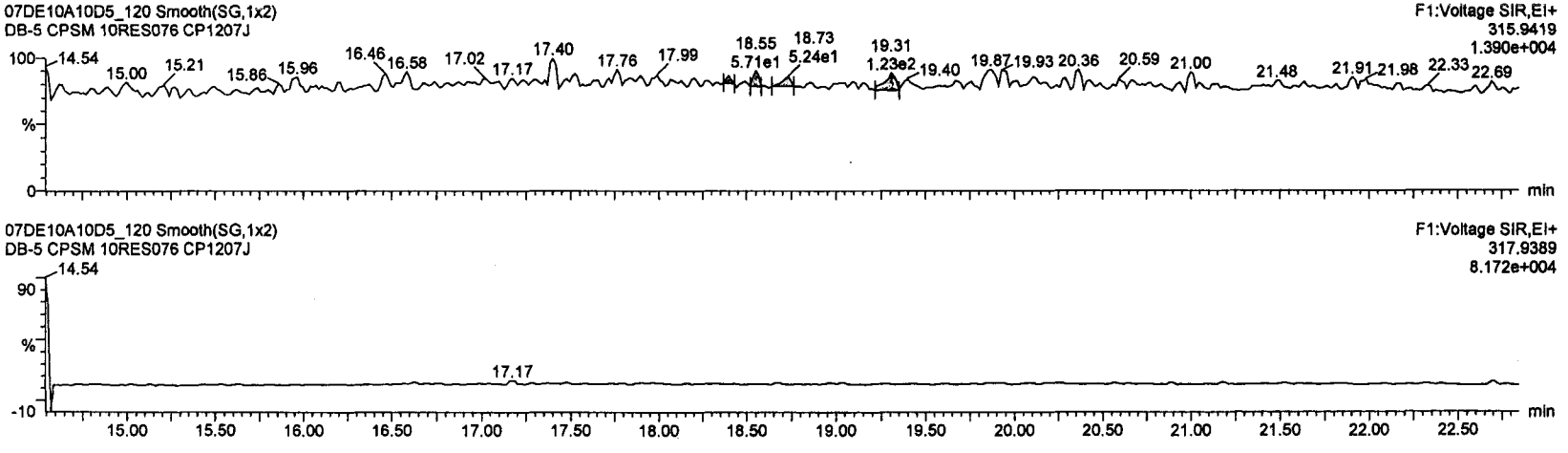
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

TCDFs



13C-TCDF



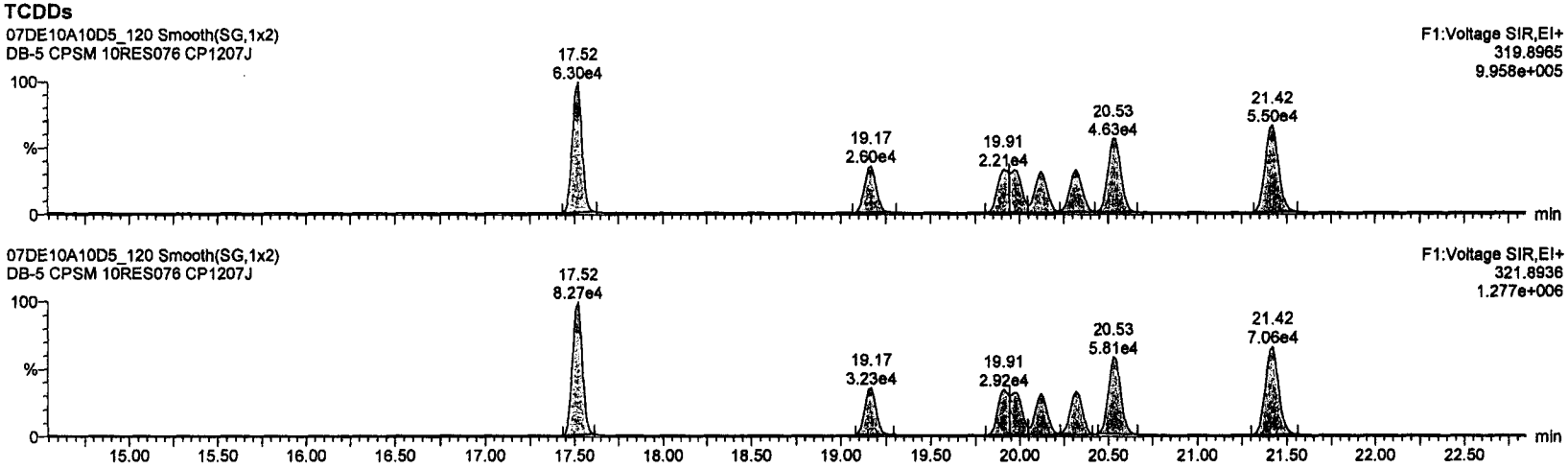
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

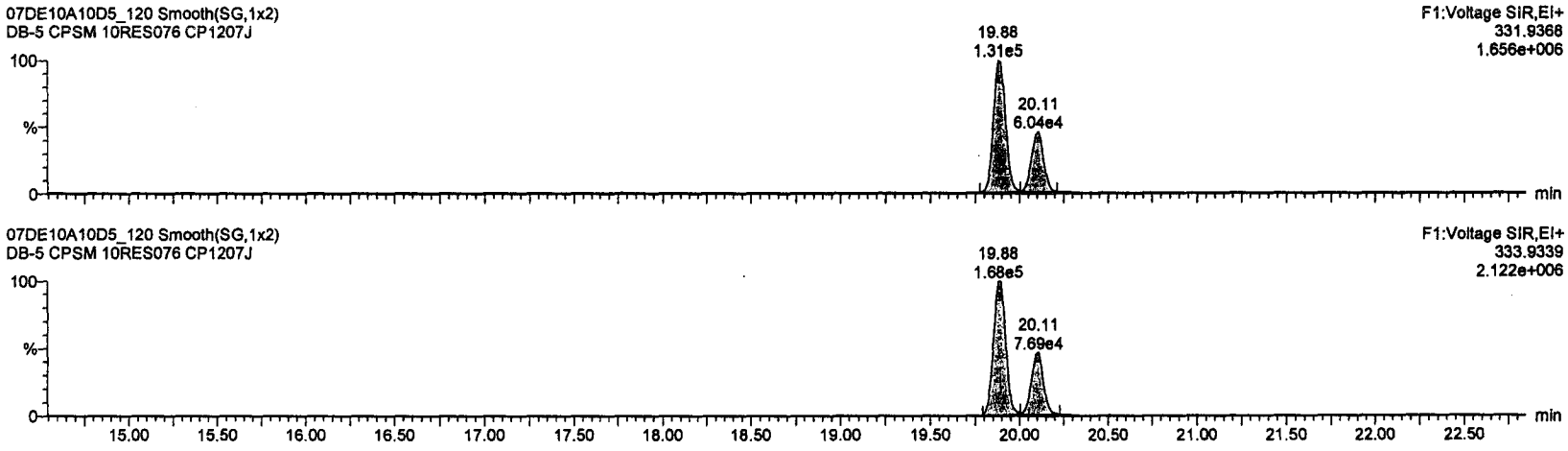
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

TCDDs



13C-TCDDs



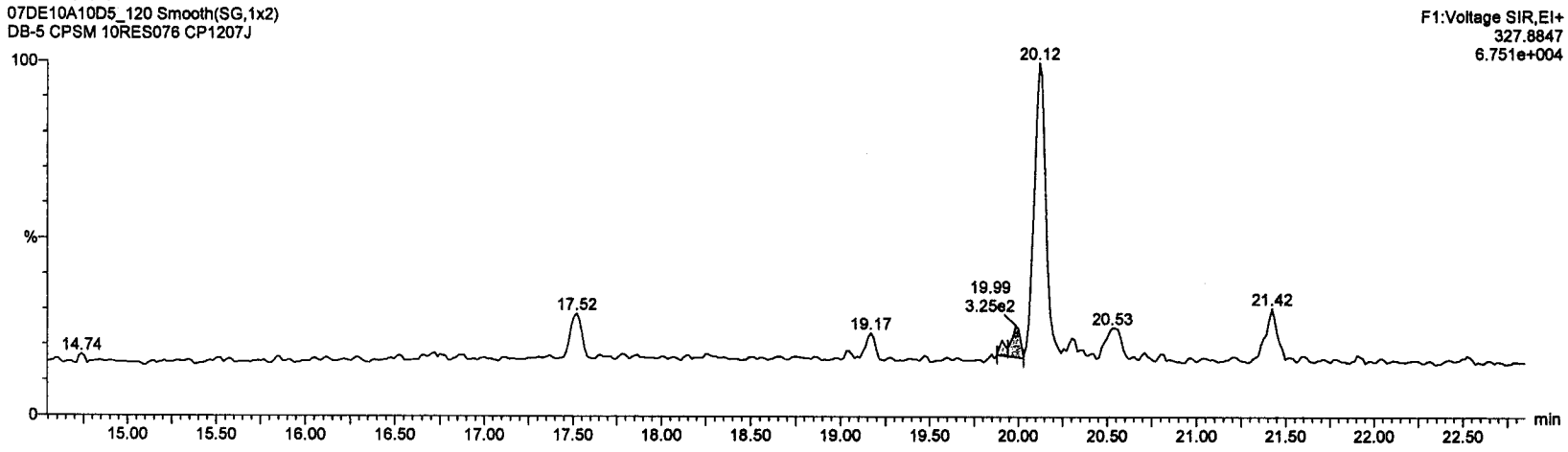
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

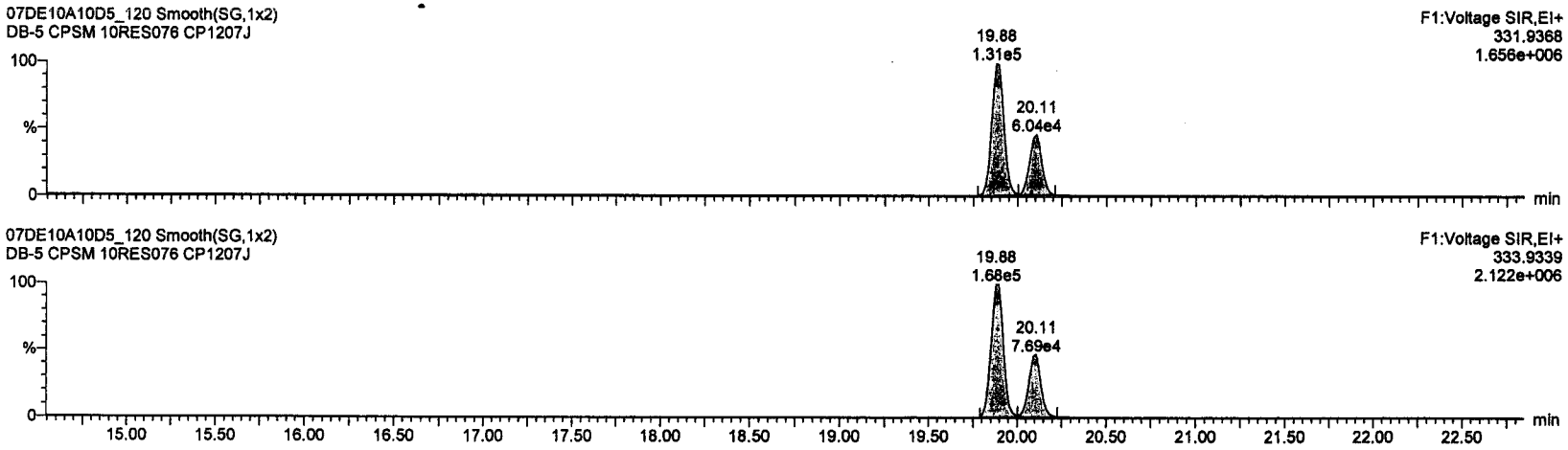
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

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



13C-TCDDs



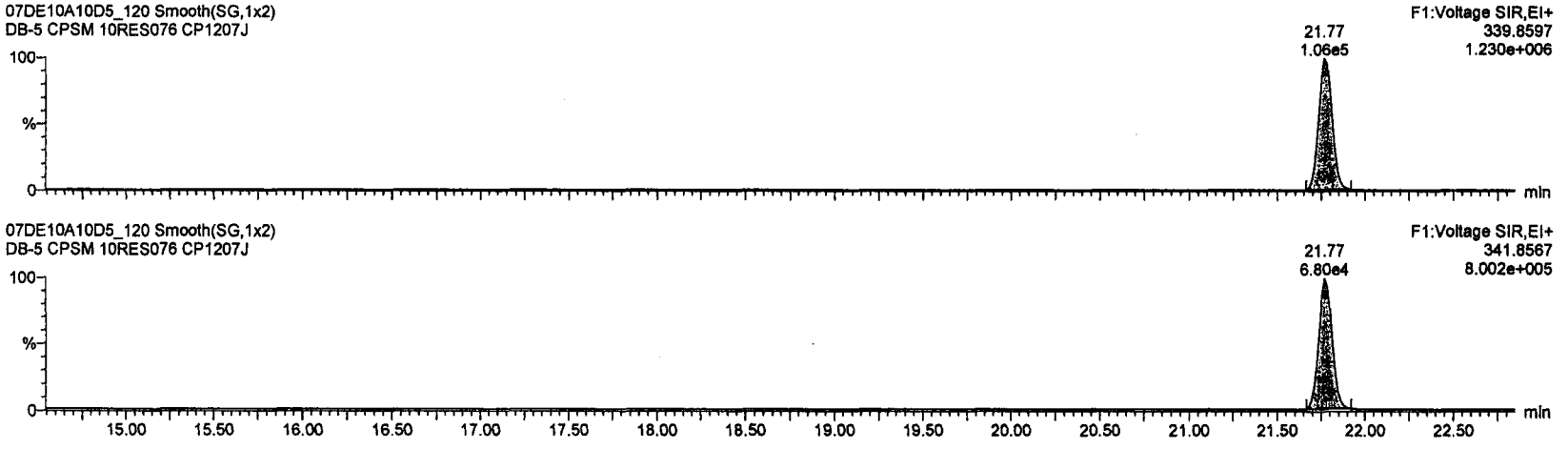
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

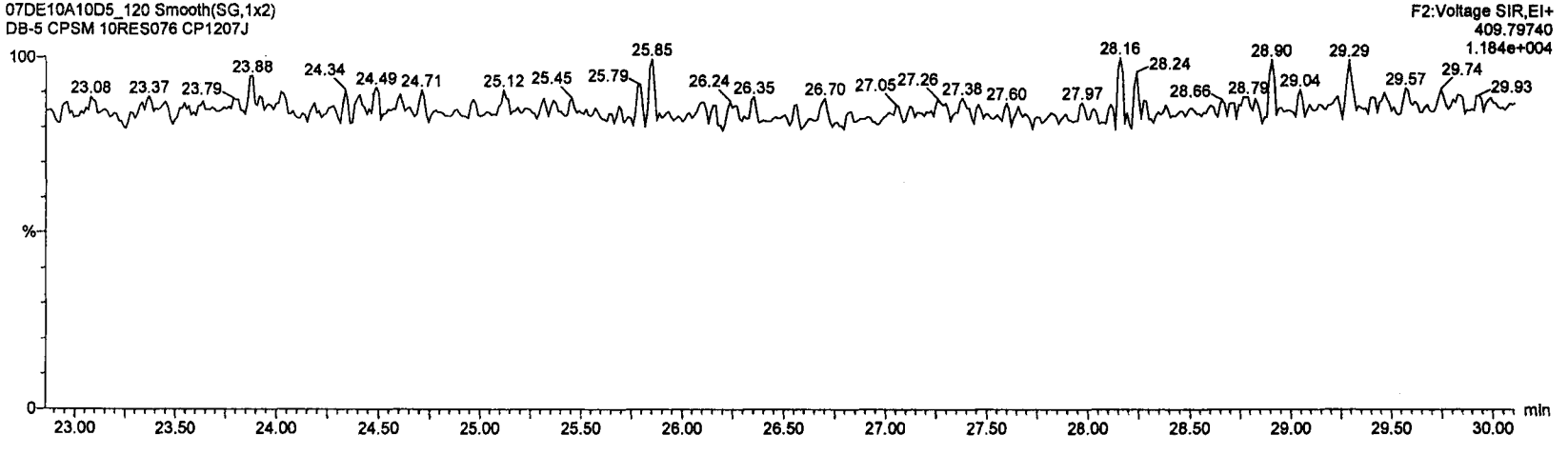
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

F1 PeCDFs



F1 PeCDF PCDPE



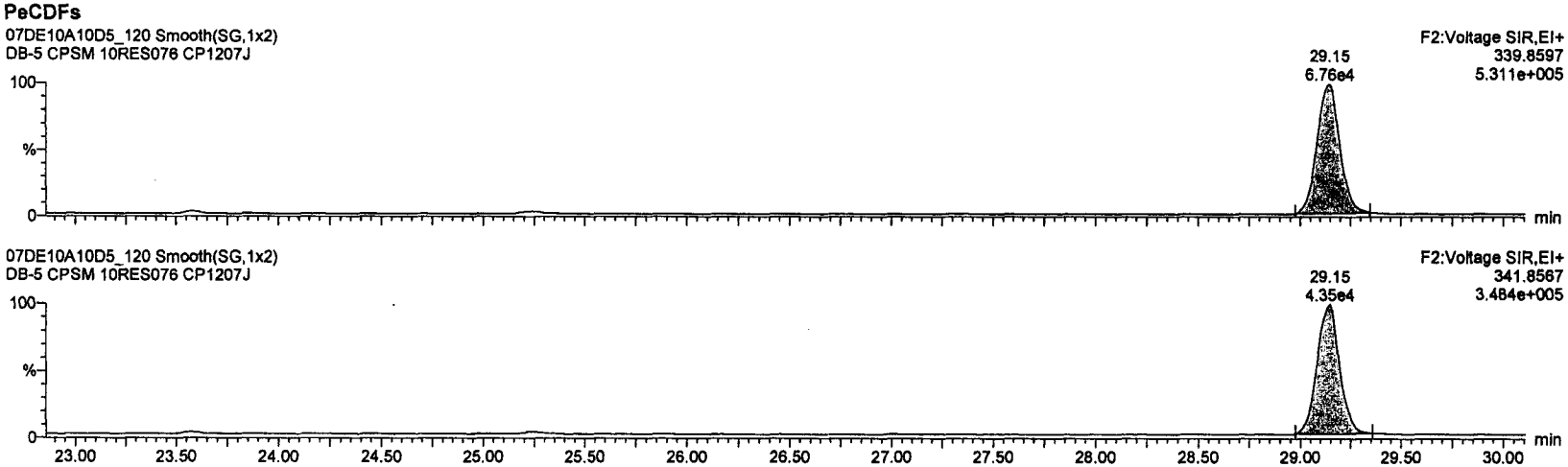
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

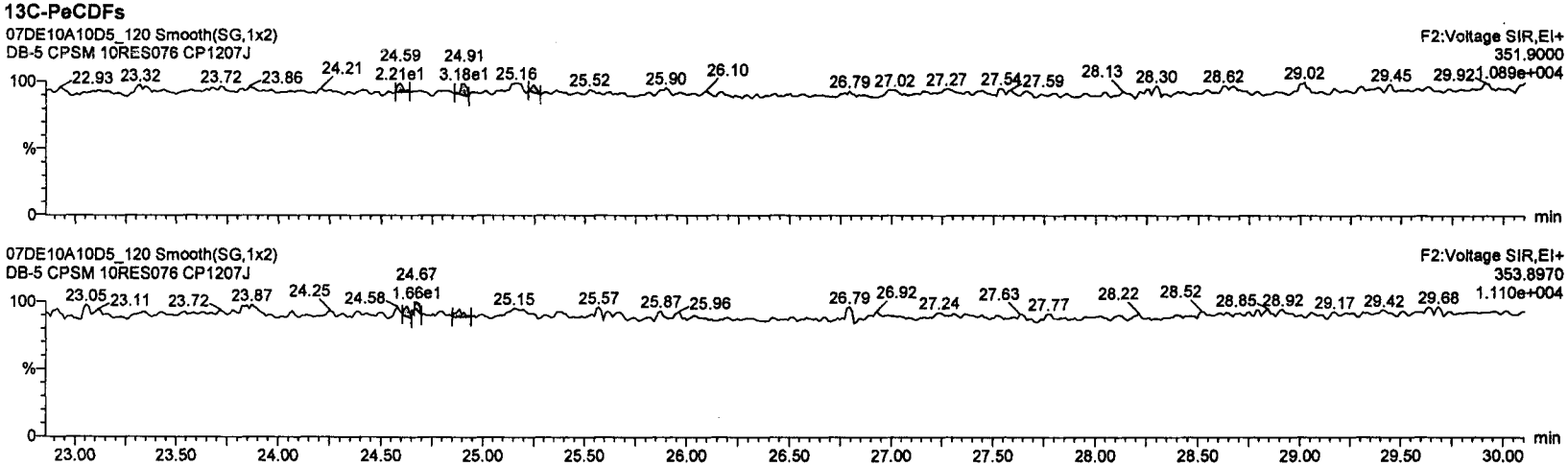
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

PeCDFs



13C-PeCDFs



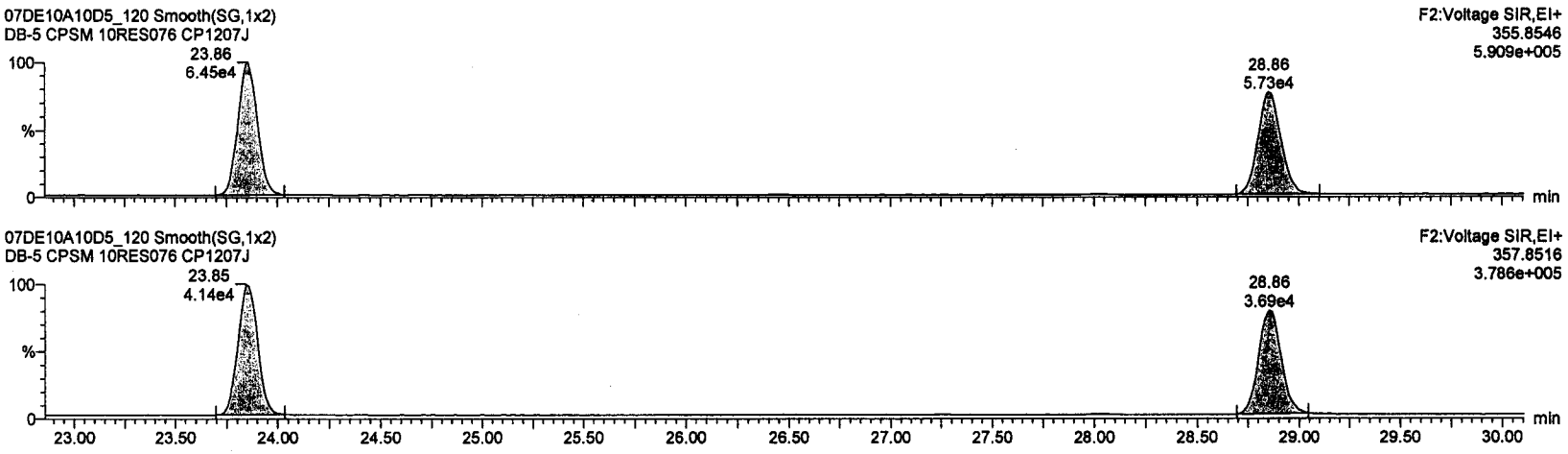
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

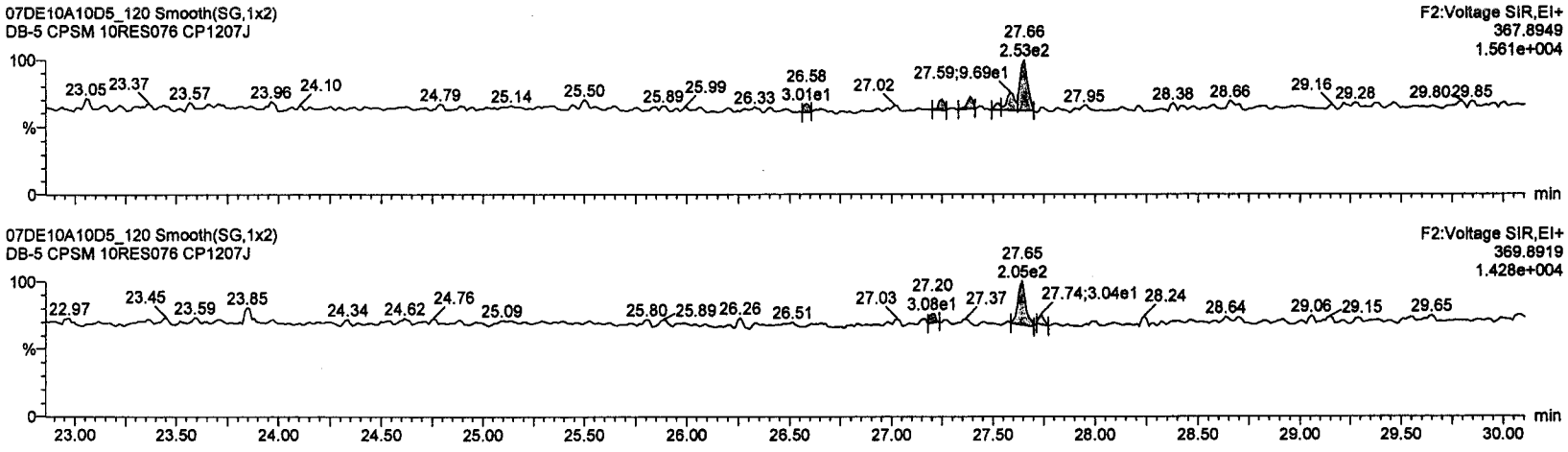
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

PeCDDs



13C-PeCDD



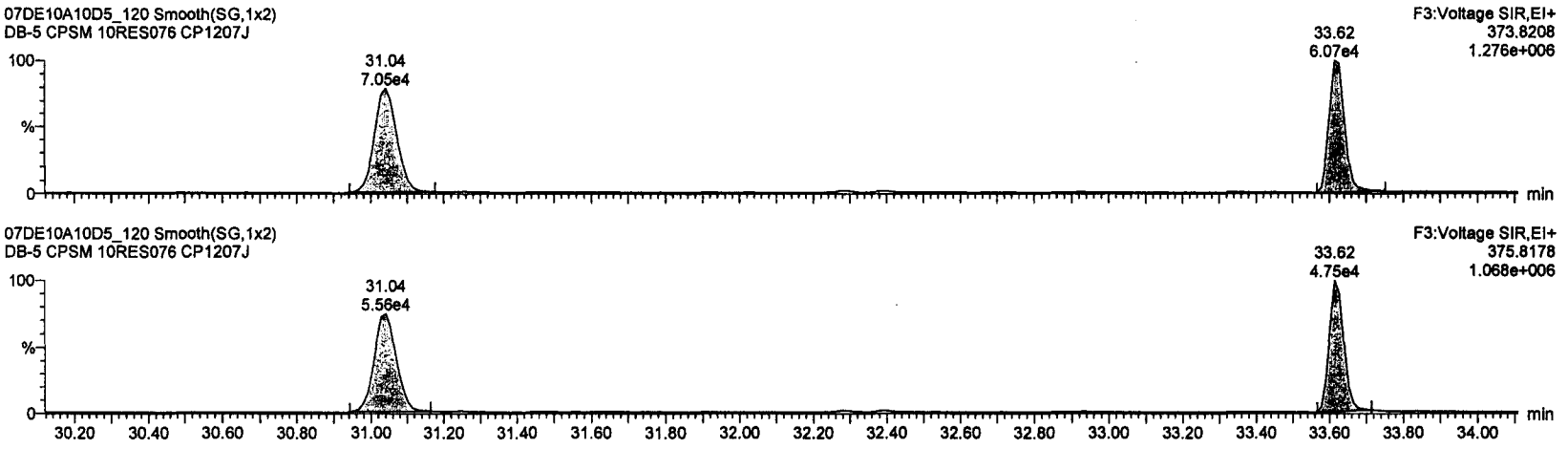
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

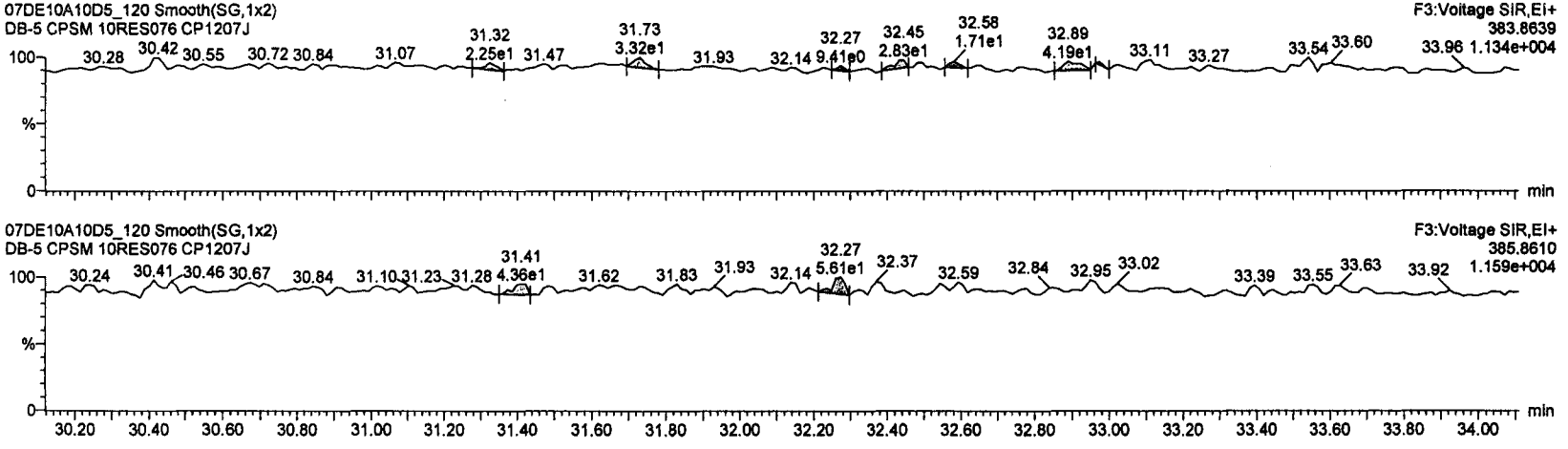
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

HxCDFs



13C-HxCDFs



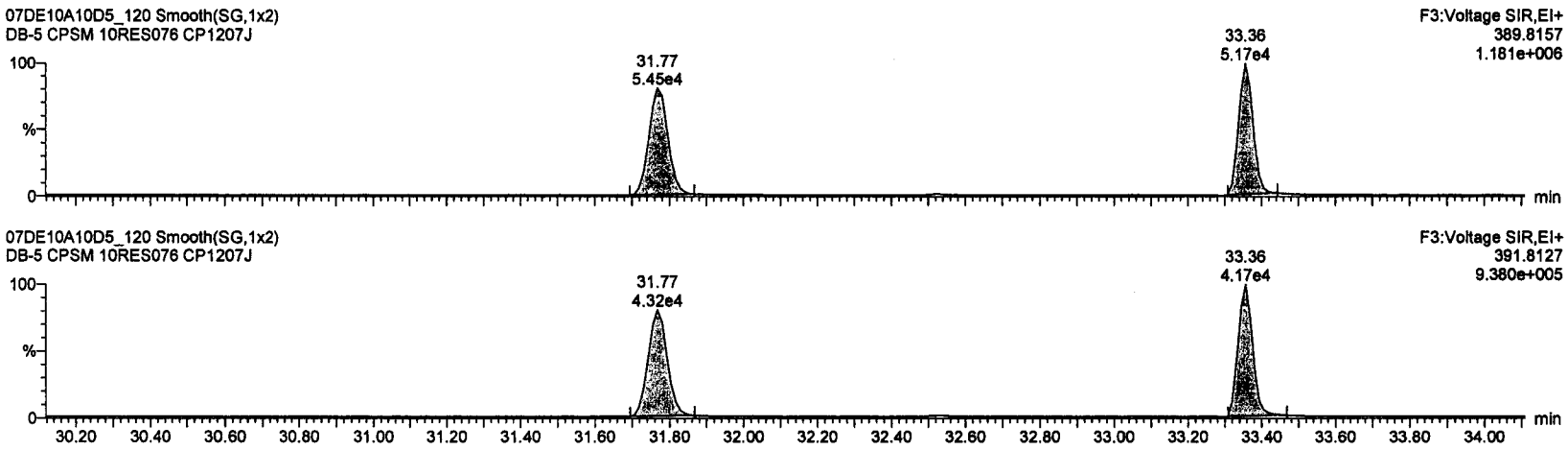
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

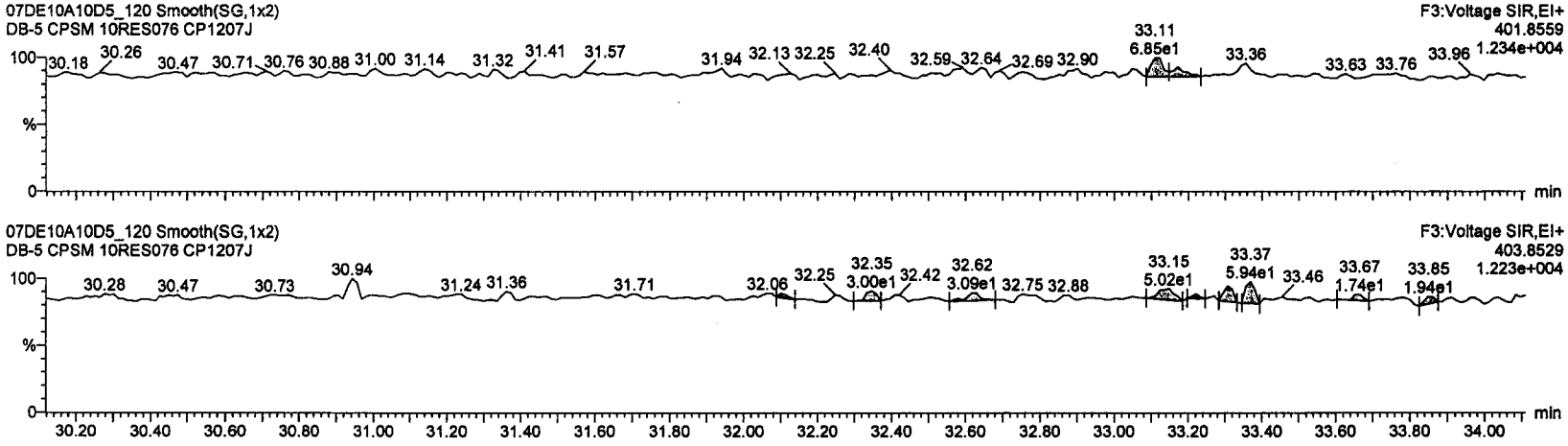
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

HxCDDs



13C-1,2,3,6,7,8-HxCDD



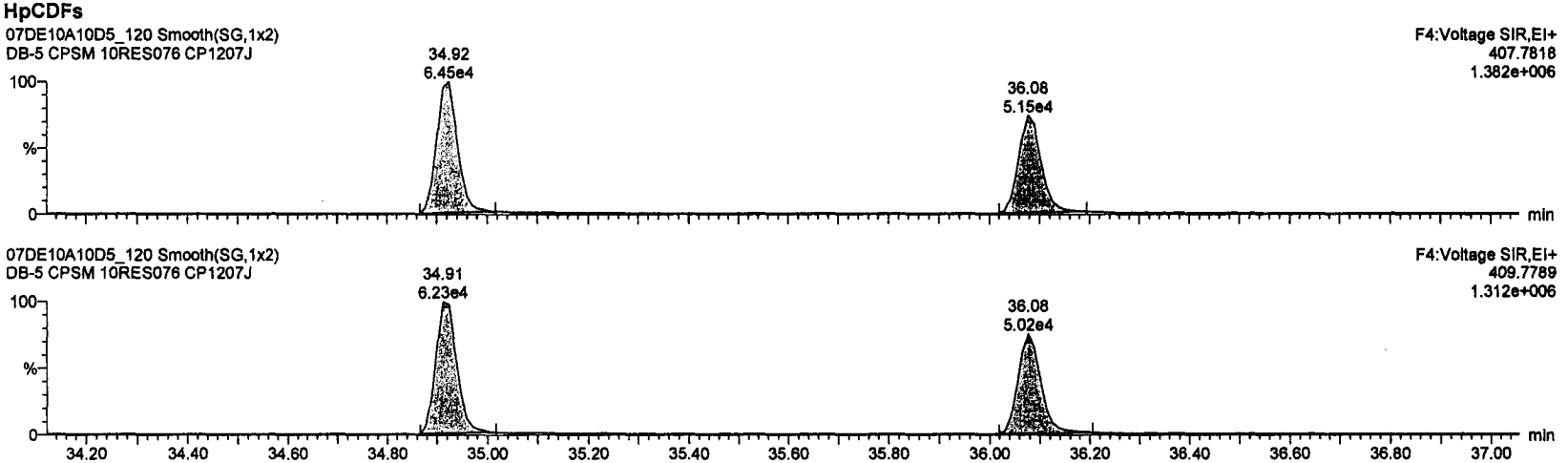
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

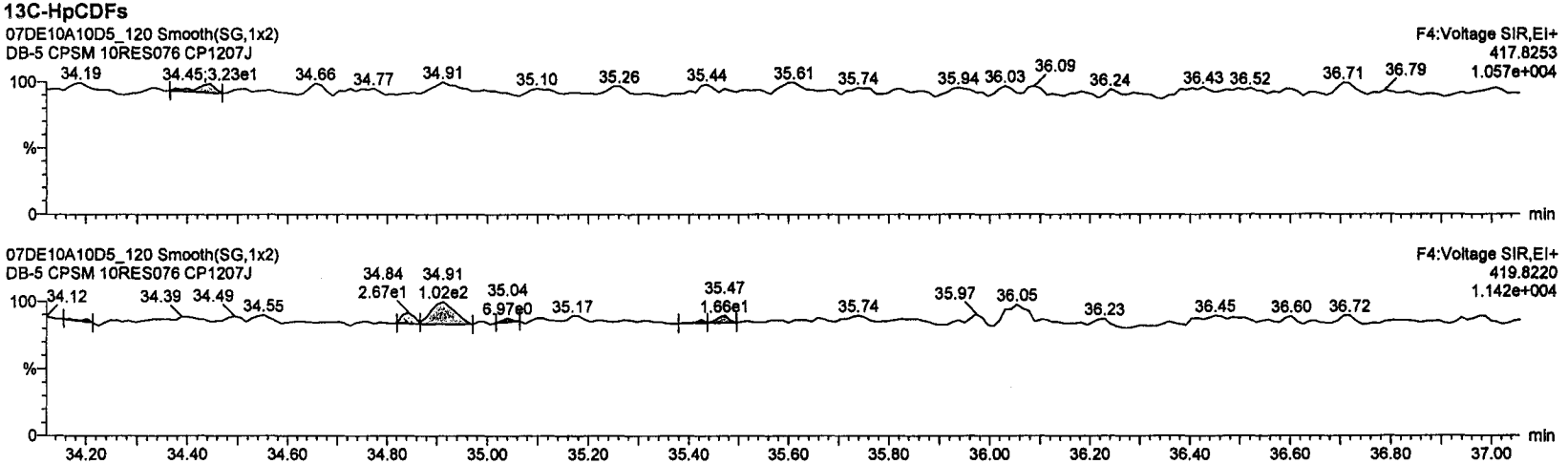
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

HpCDFs



13C-HpCDFs



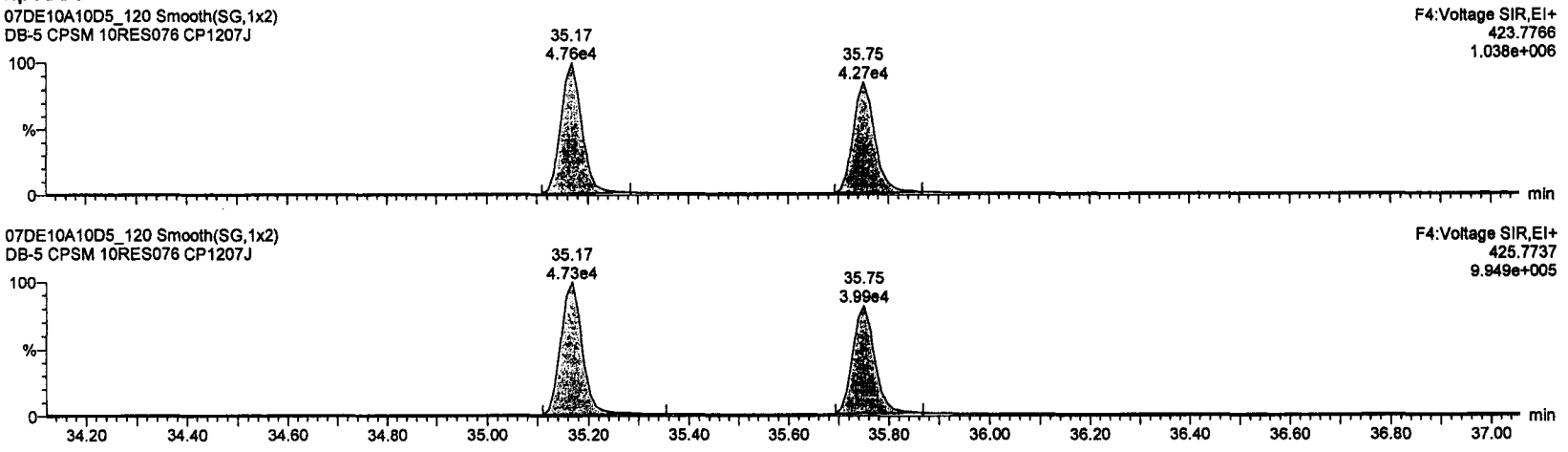
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

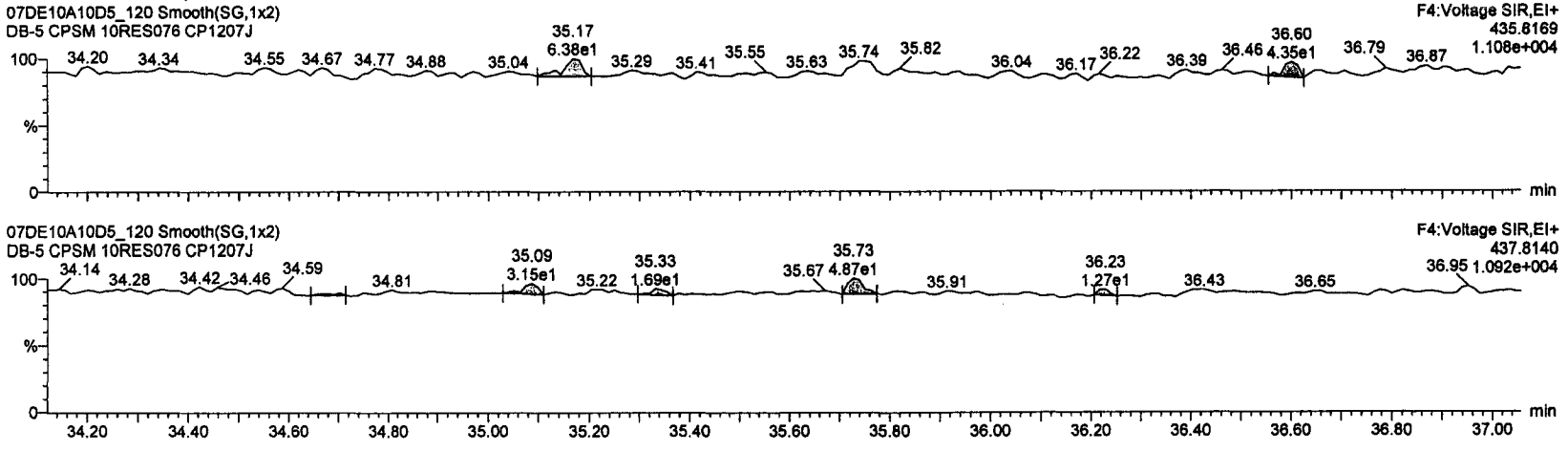
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



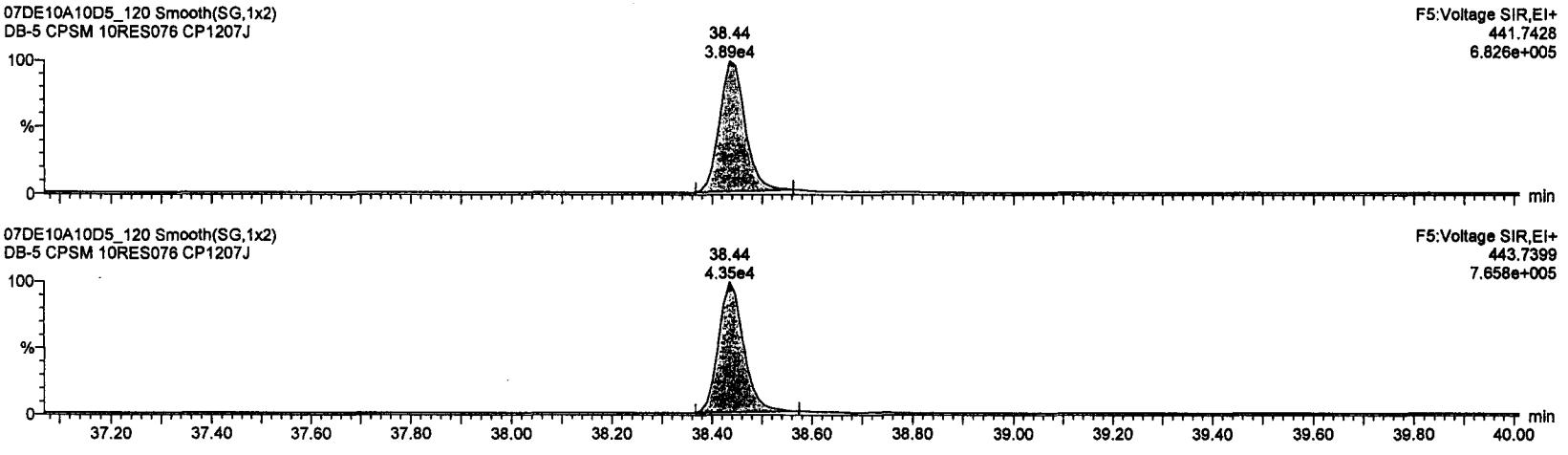
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

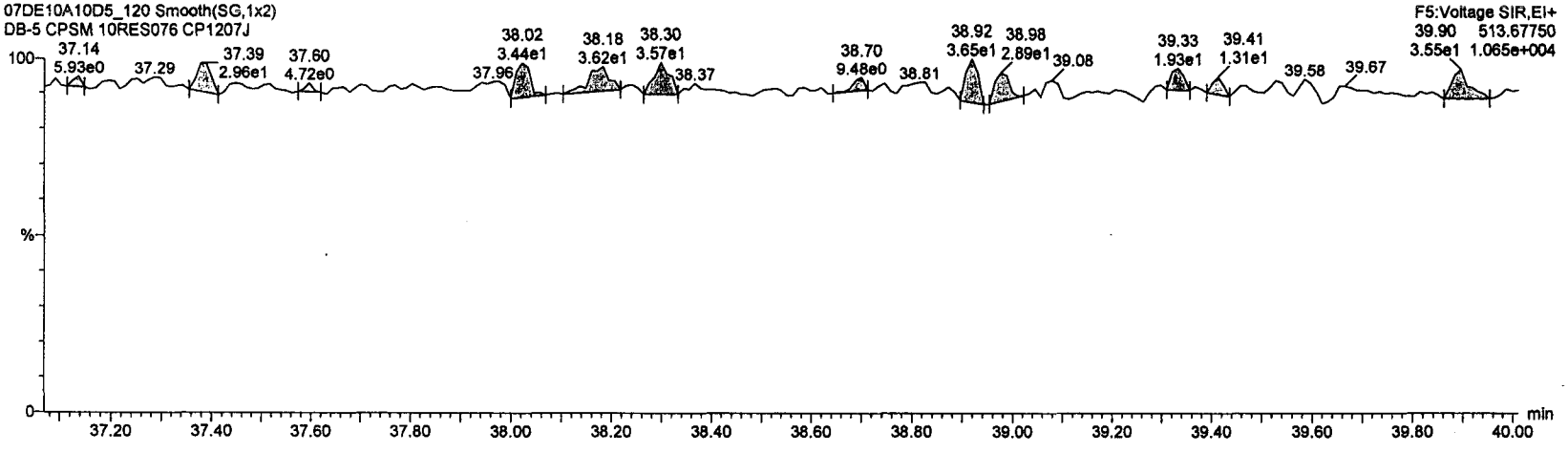
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

OCDFs



OCDF PCDPE



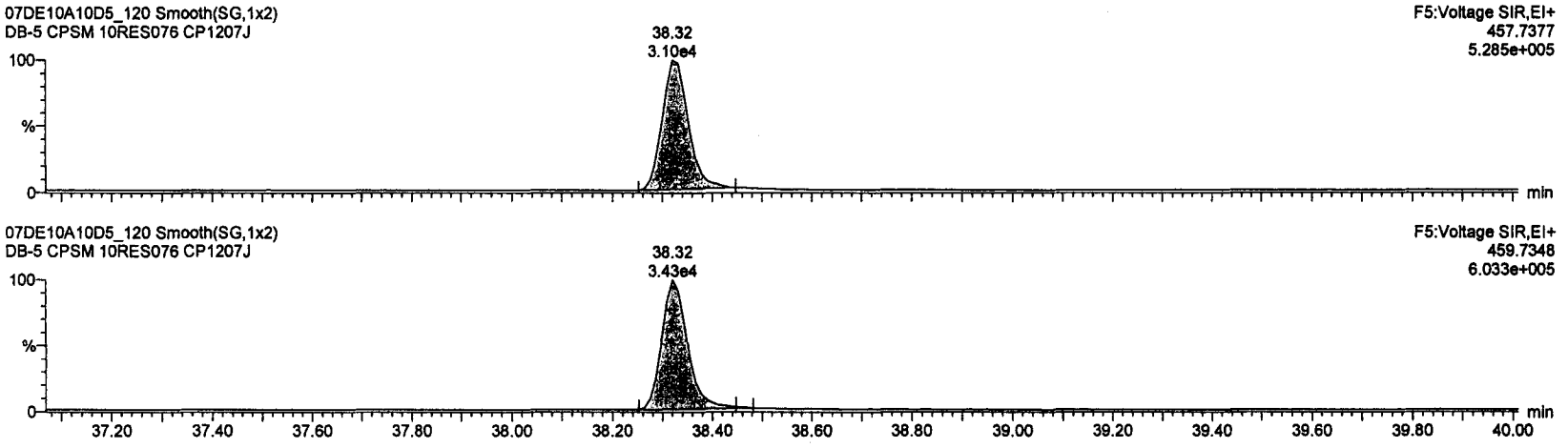
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

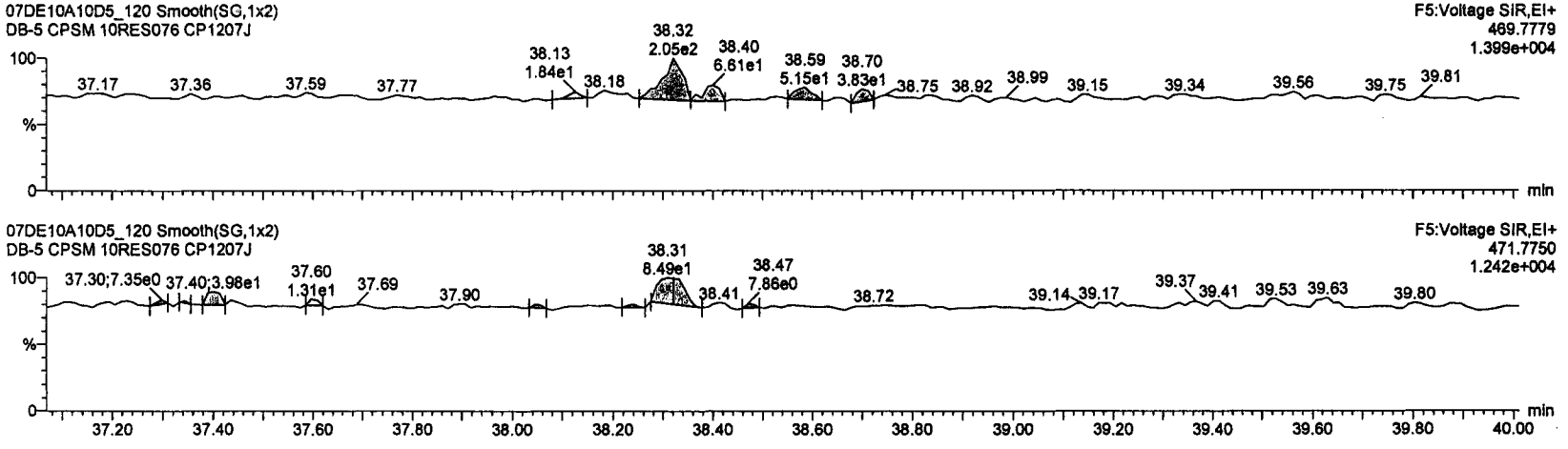
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

OCDD



13C-OCDD



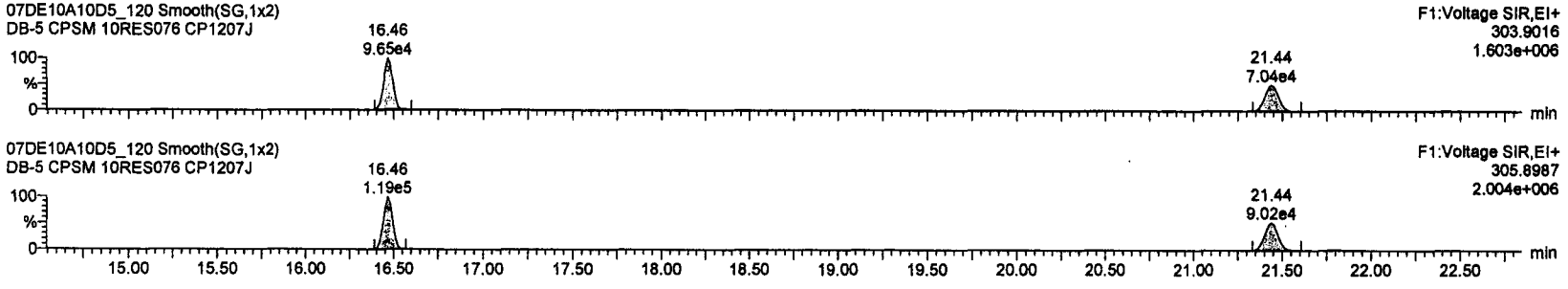
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

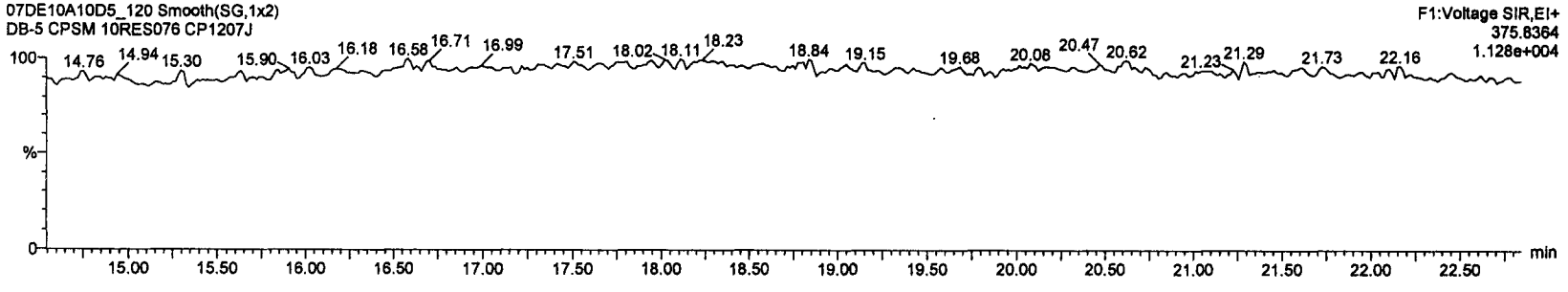
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

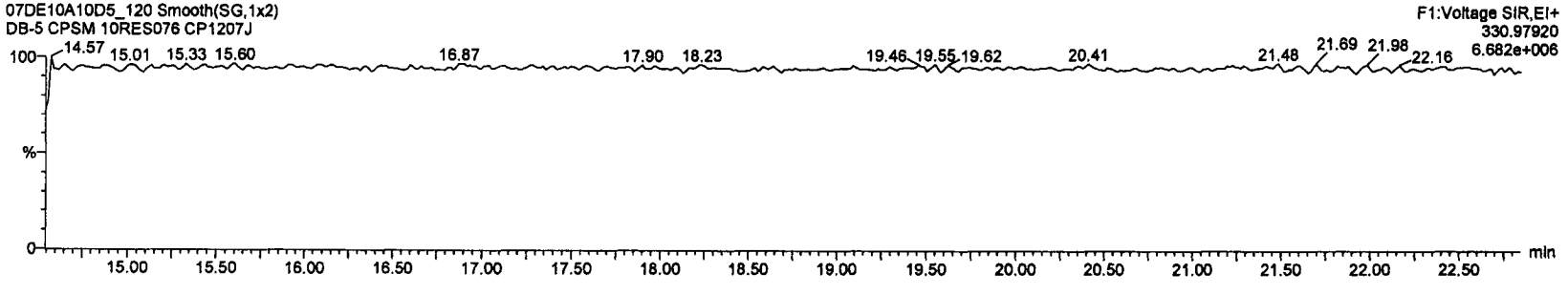
TCDFs



TCDF PCDPE



Function 1 PFK



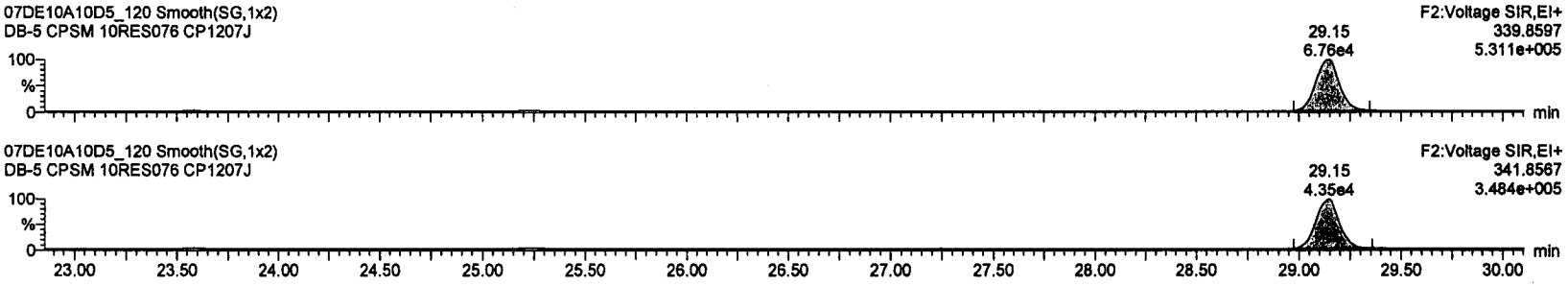
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

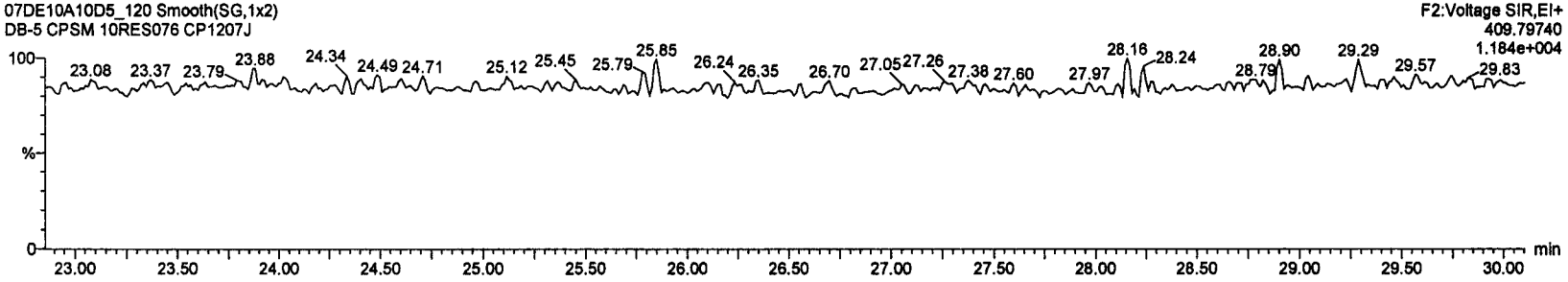
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

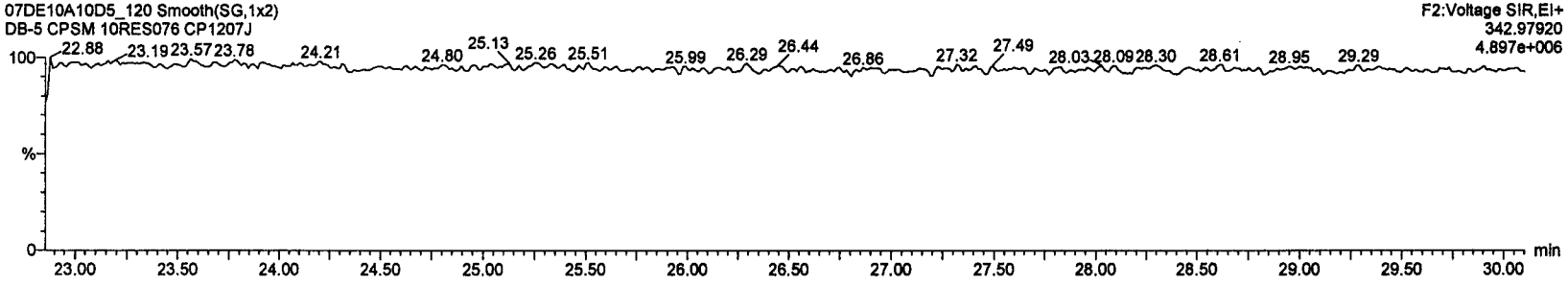
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



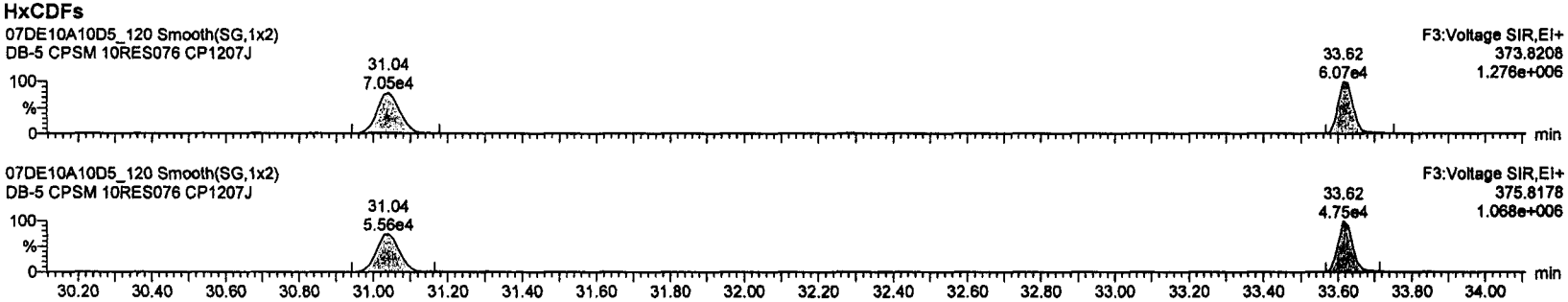
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

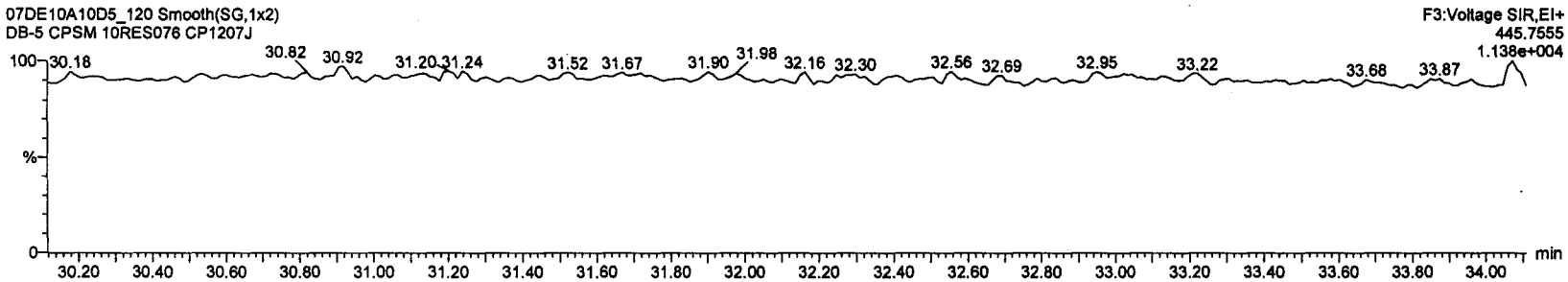
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

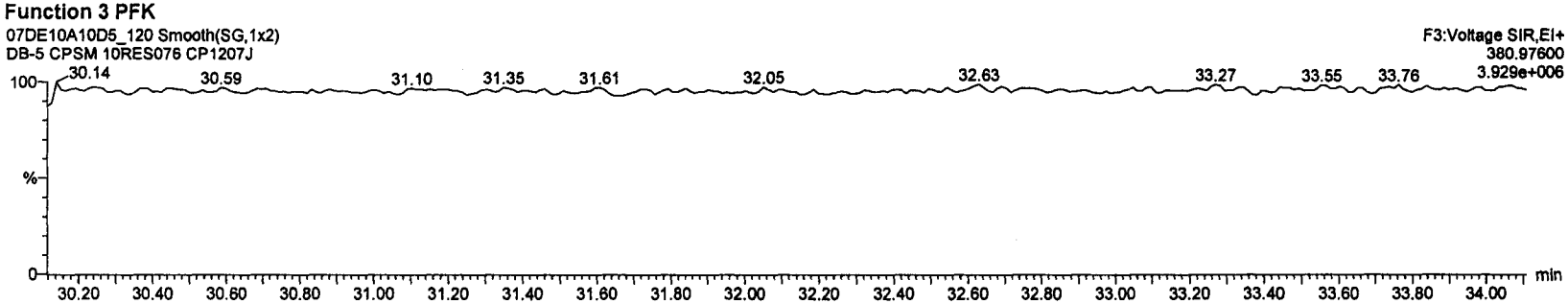
HxCDFs



HxCDF PCDPE



Function 3 PFK



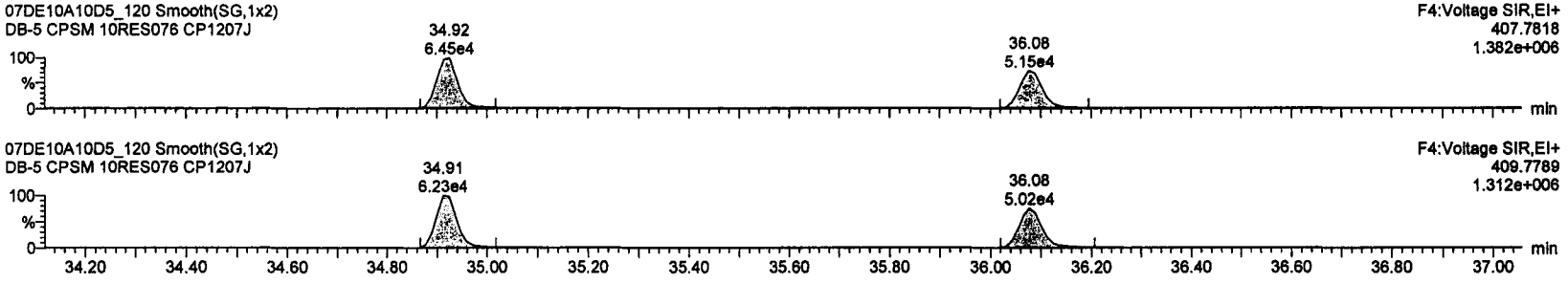
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

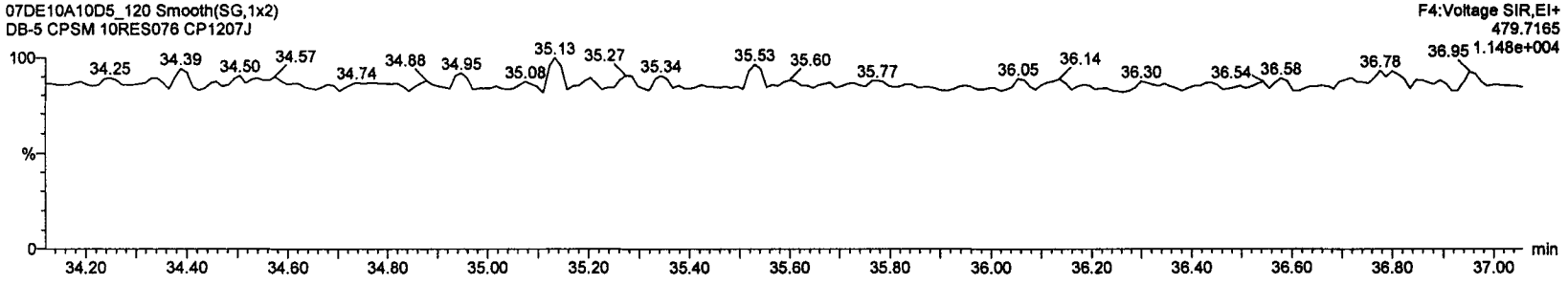
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

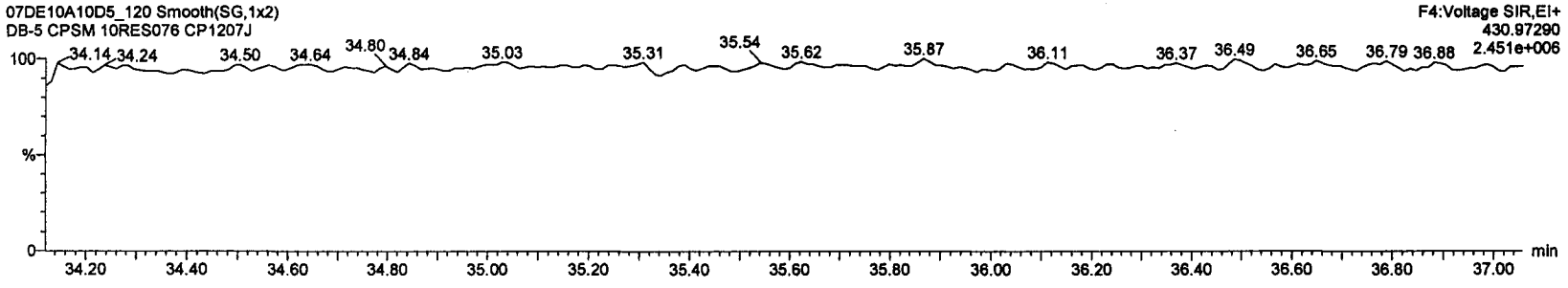
HpCDFs



HpCDF PCDPE



Function 4 PFK



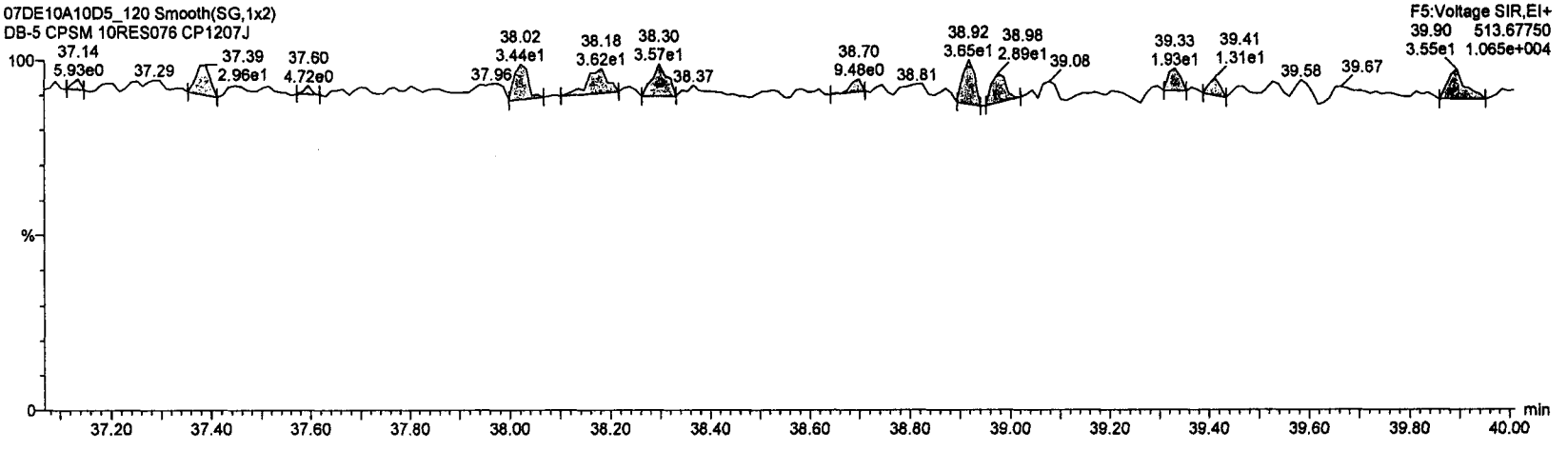
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

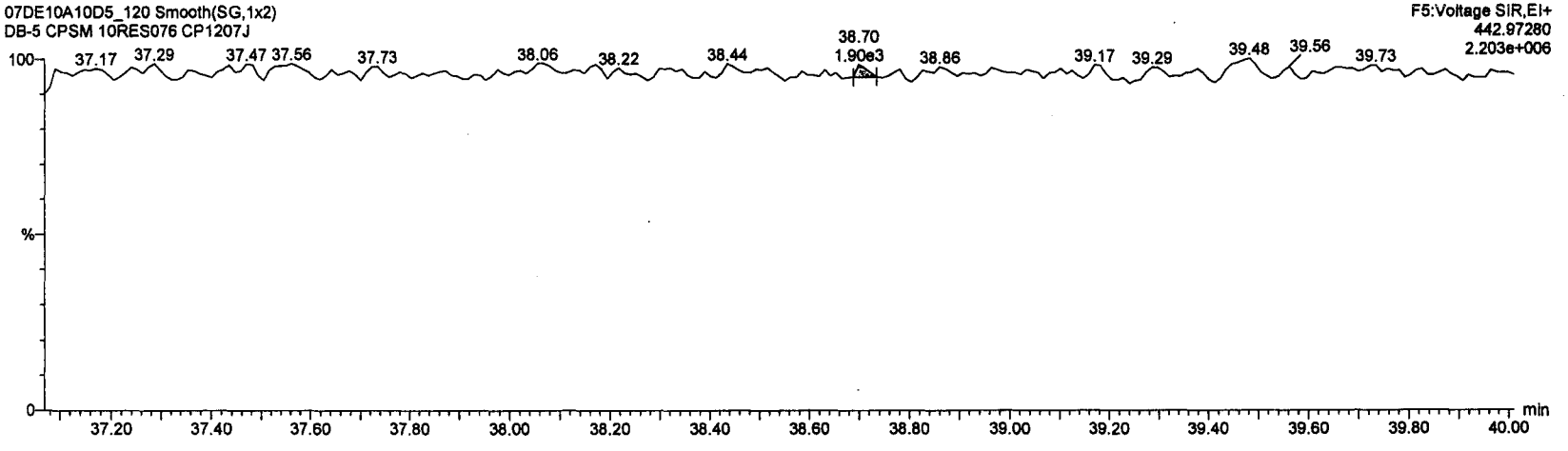
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_120, Date: 11-Dec-2010, Time: 11:23:16, ID: CP1207J, Description: DB-5 CPSM 10RES076

OCDF PCDPE



Function 5 PFK



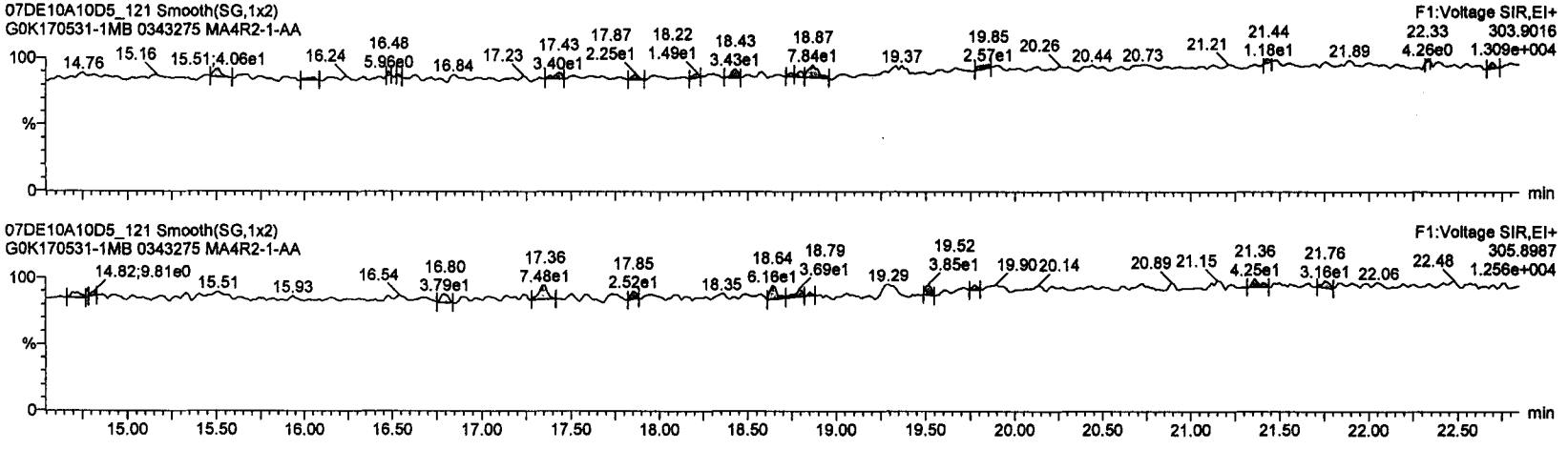
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

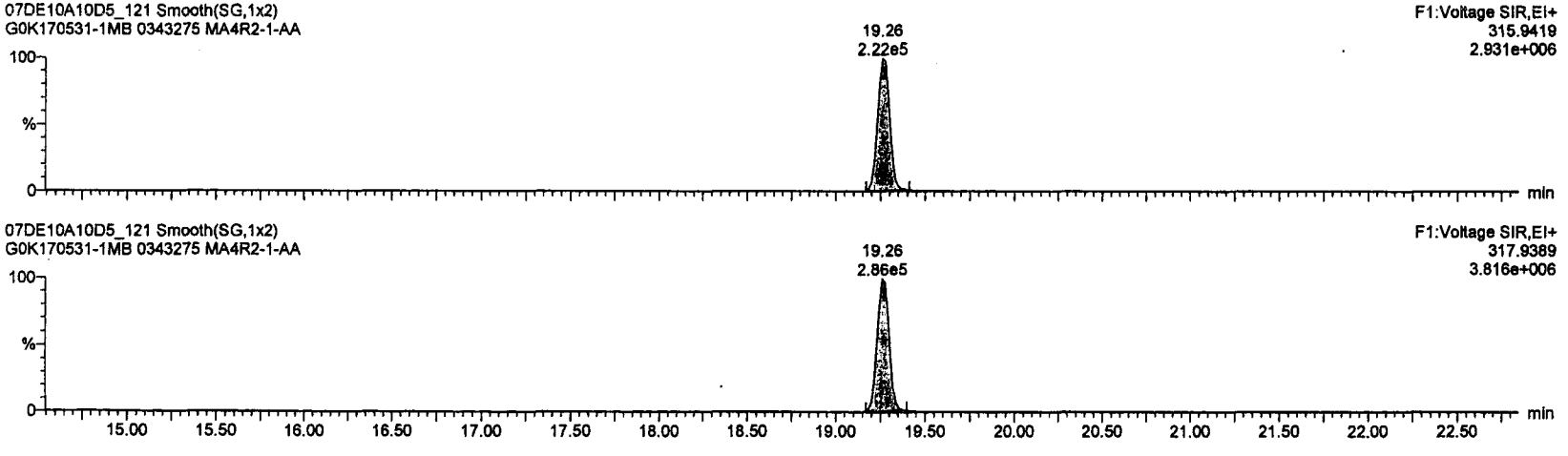
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

TCDFs



13C-TCDF



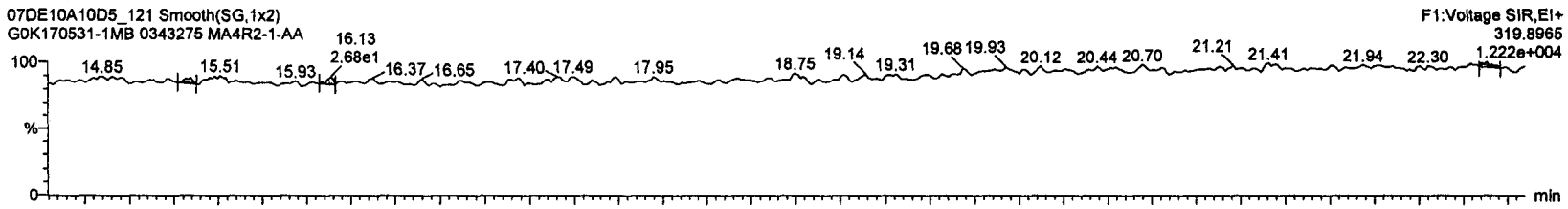
Quantify Sample Report **MassLynx 4.1**

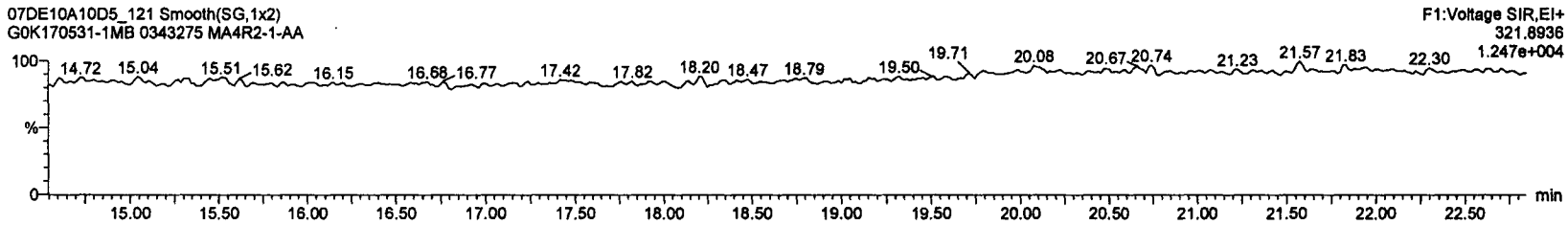
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

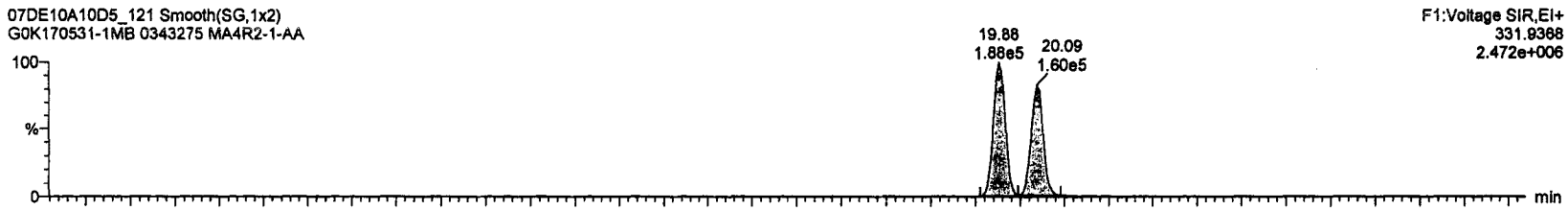
Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

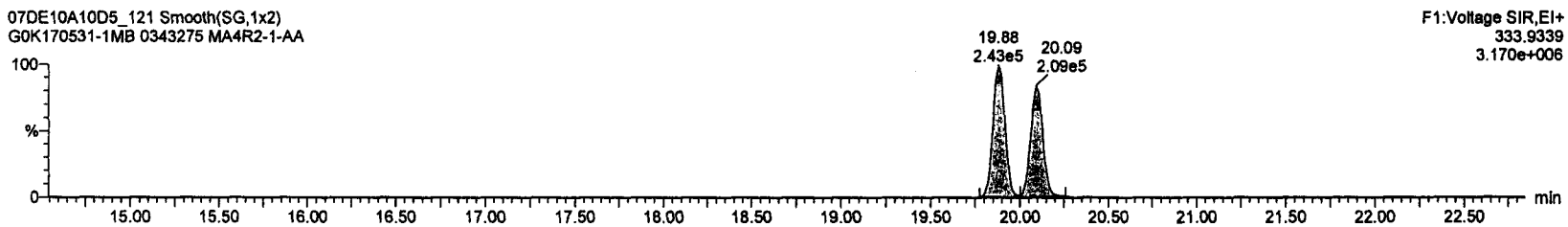
TCDDs





13C-TCDDs





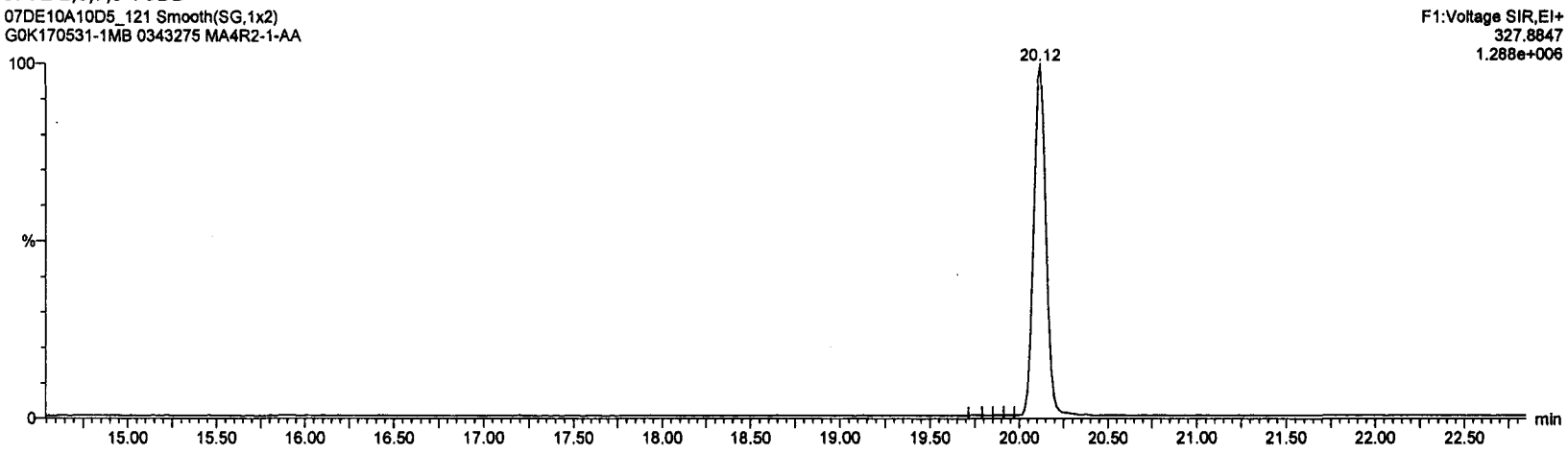
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

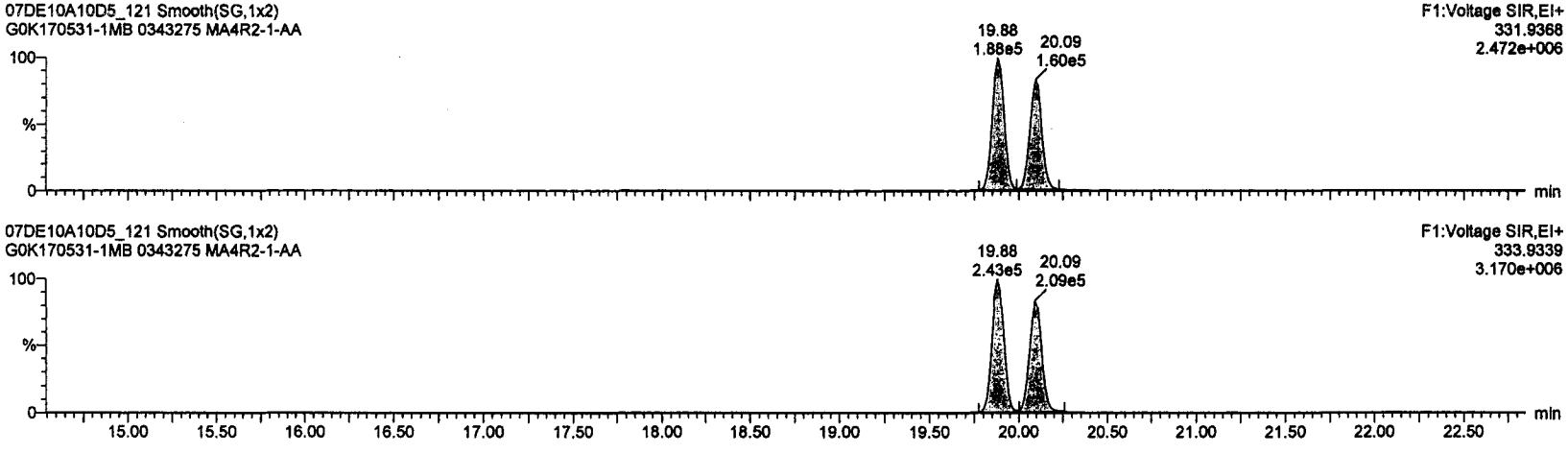
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

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



13C-TCDDs



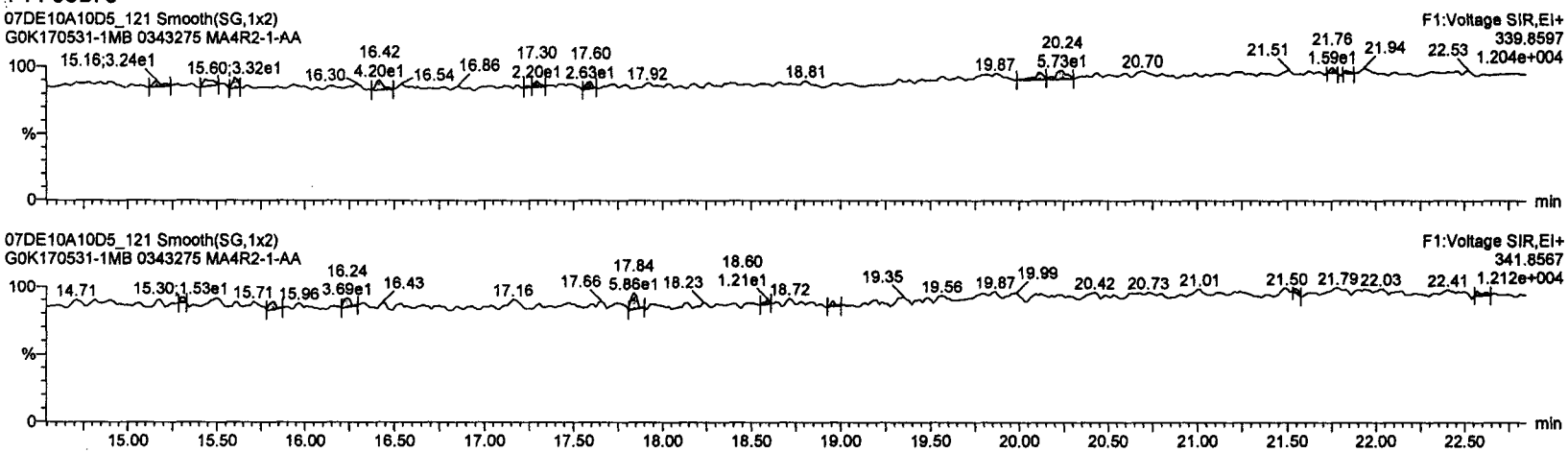
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

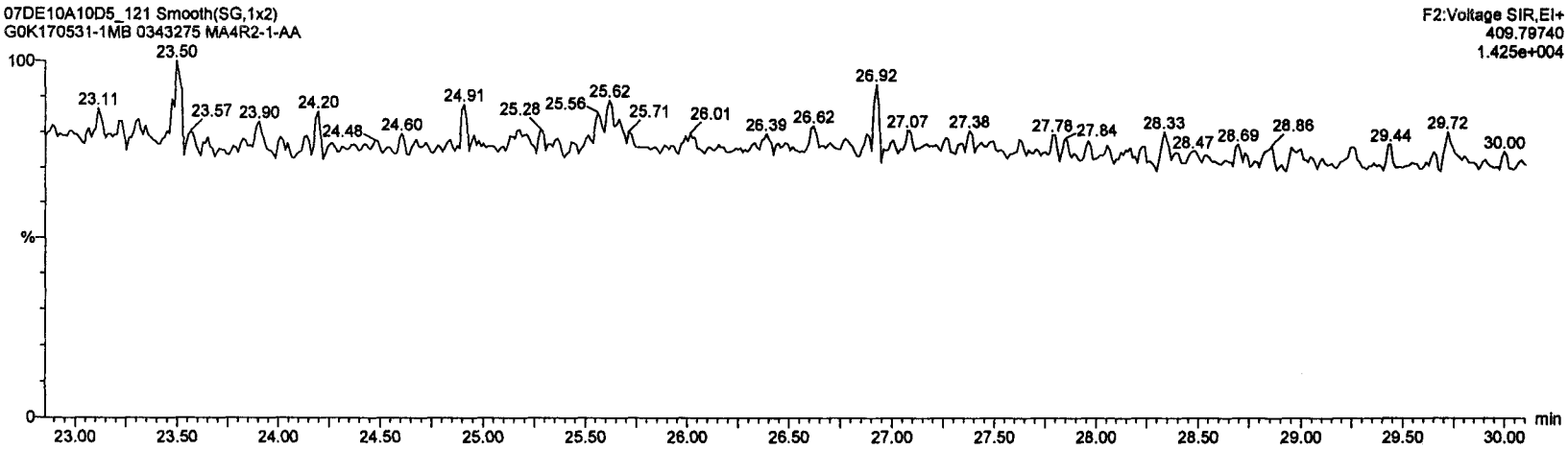
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

F1 PeCDFs



F1 PeCDF PCDPE



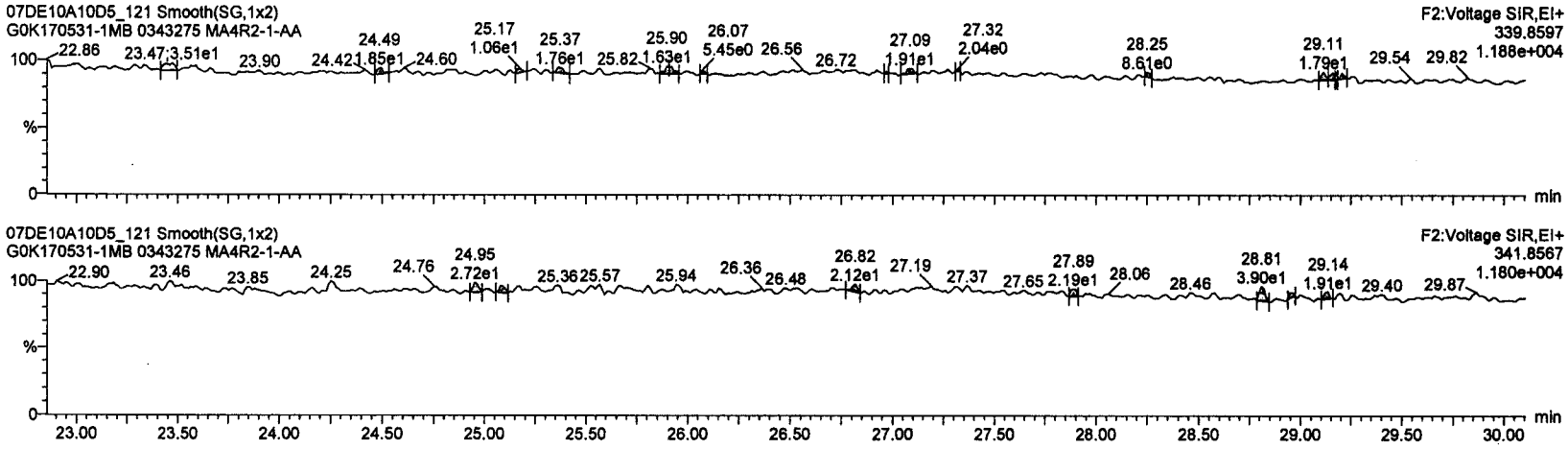
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

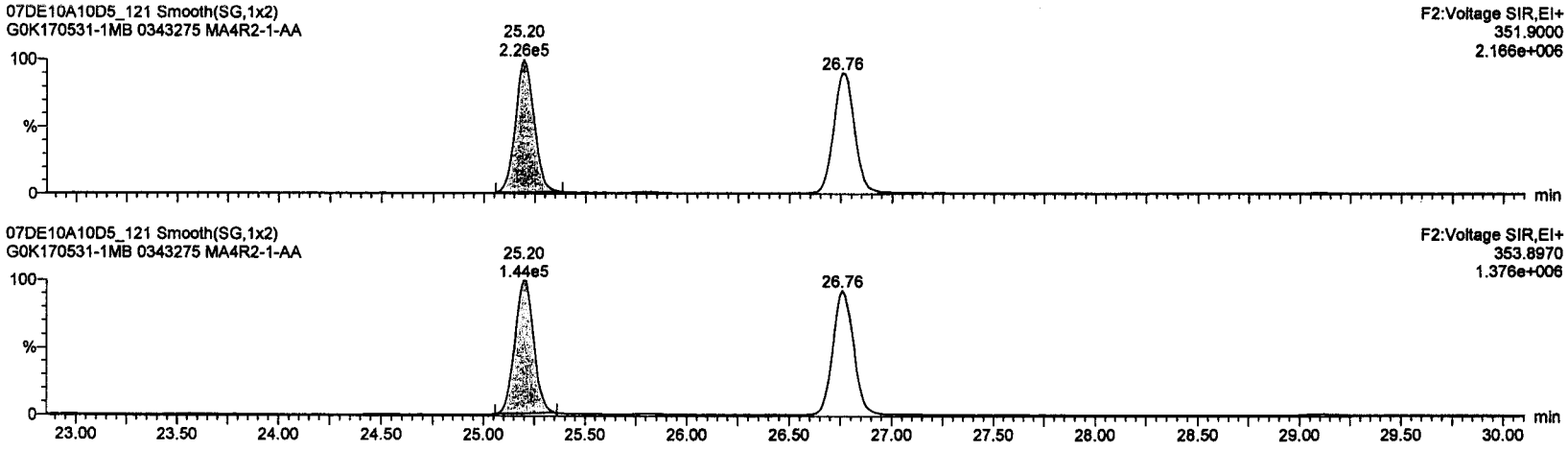
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

PeCDFs



13C-PeCDFs



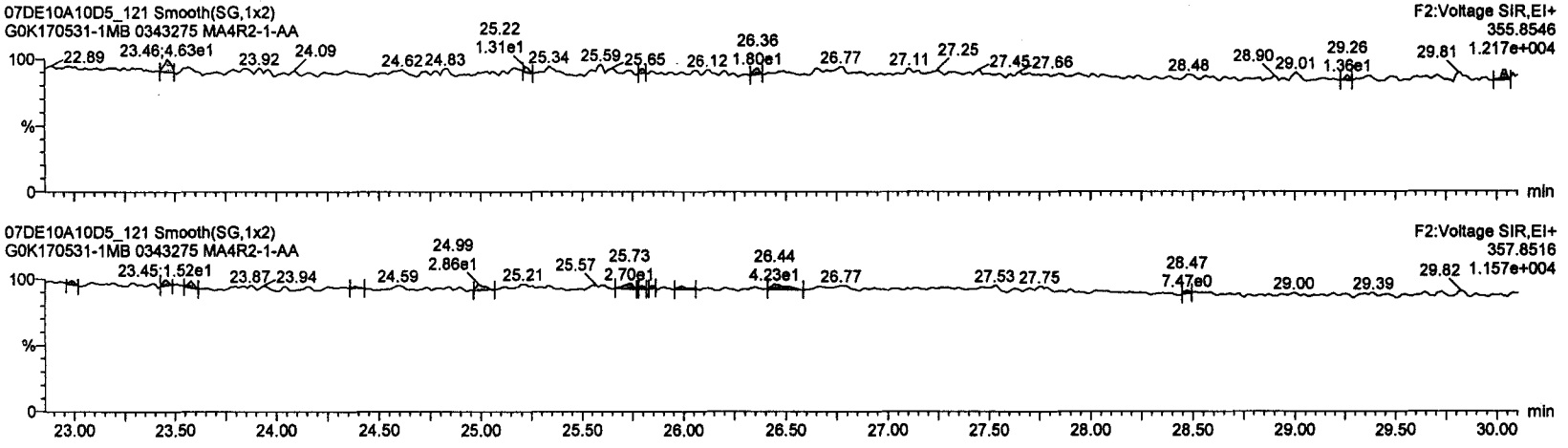
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

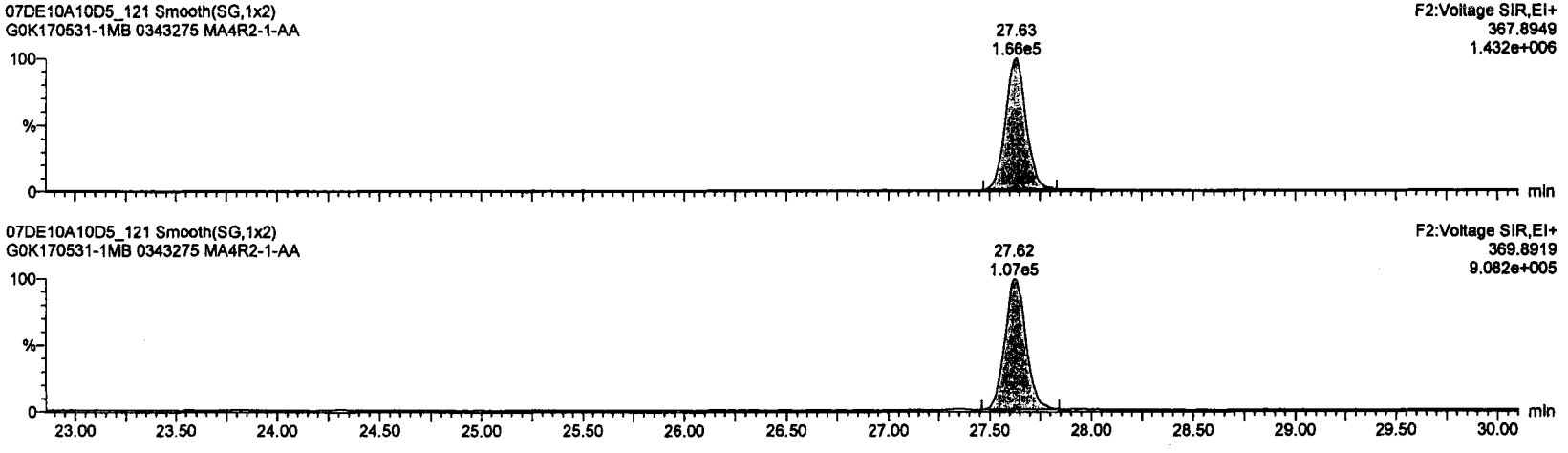
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

PeCDDs



13C-PeCDD



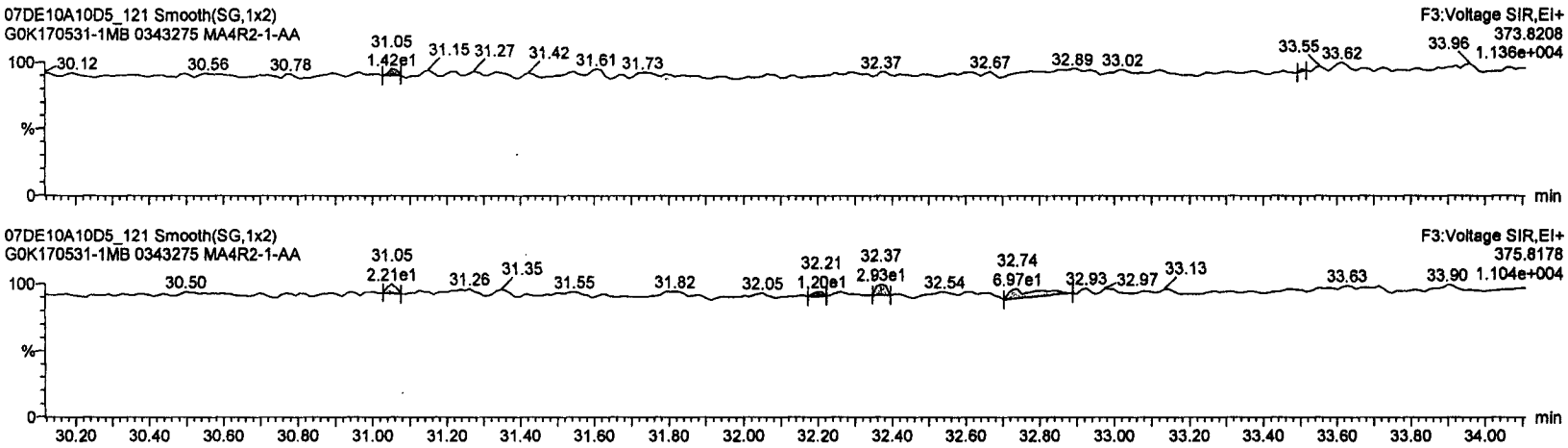
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

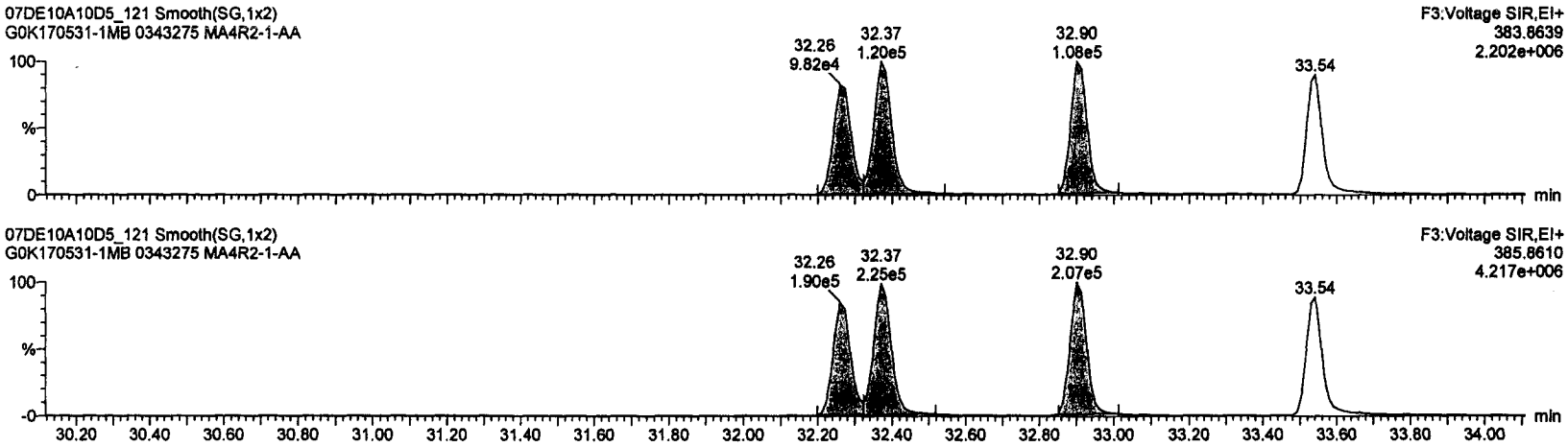
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

HxCDFs



13C-HxCDFs



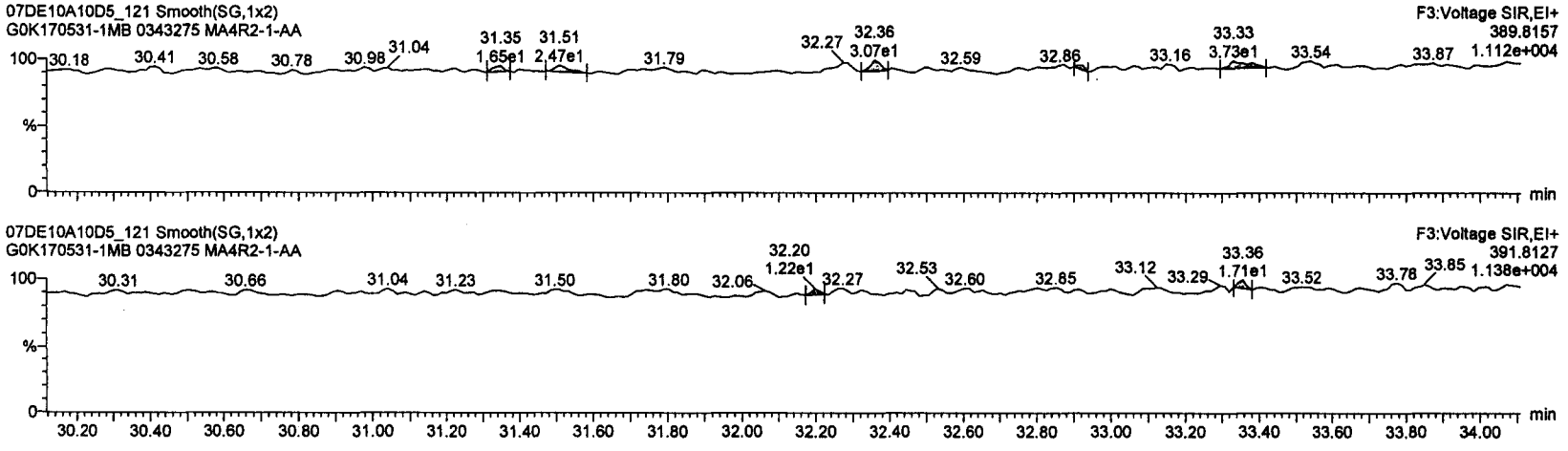
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

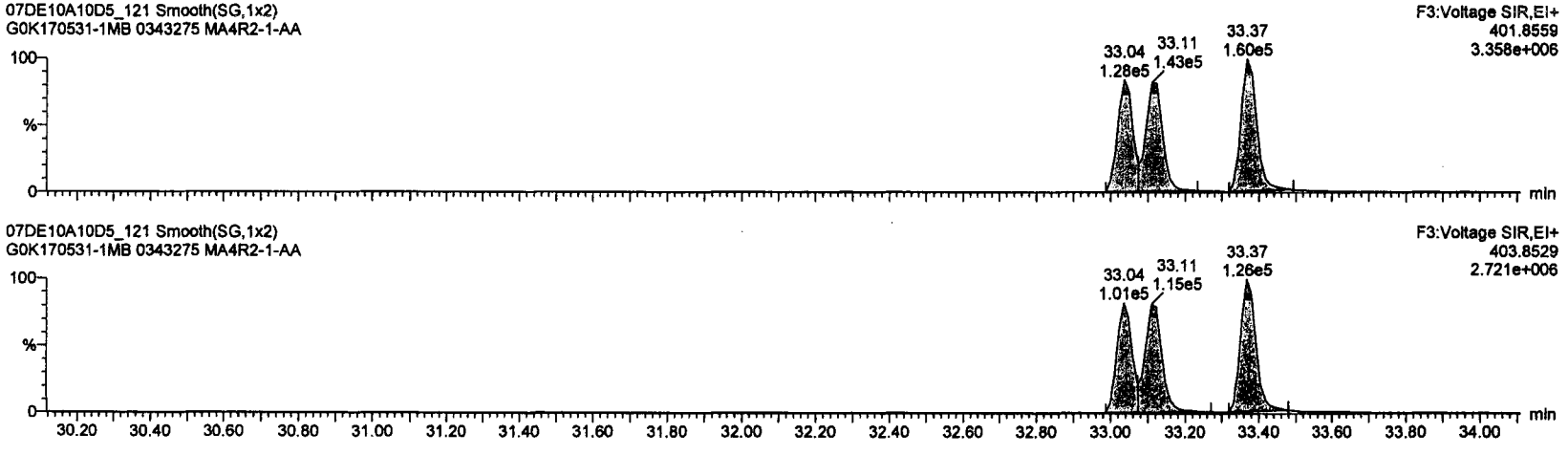
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

HxCDDs



13C-1,2,3,6,7,8-HxCDD



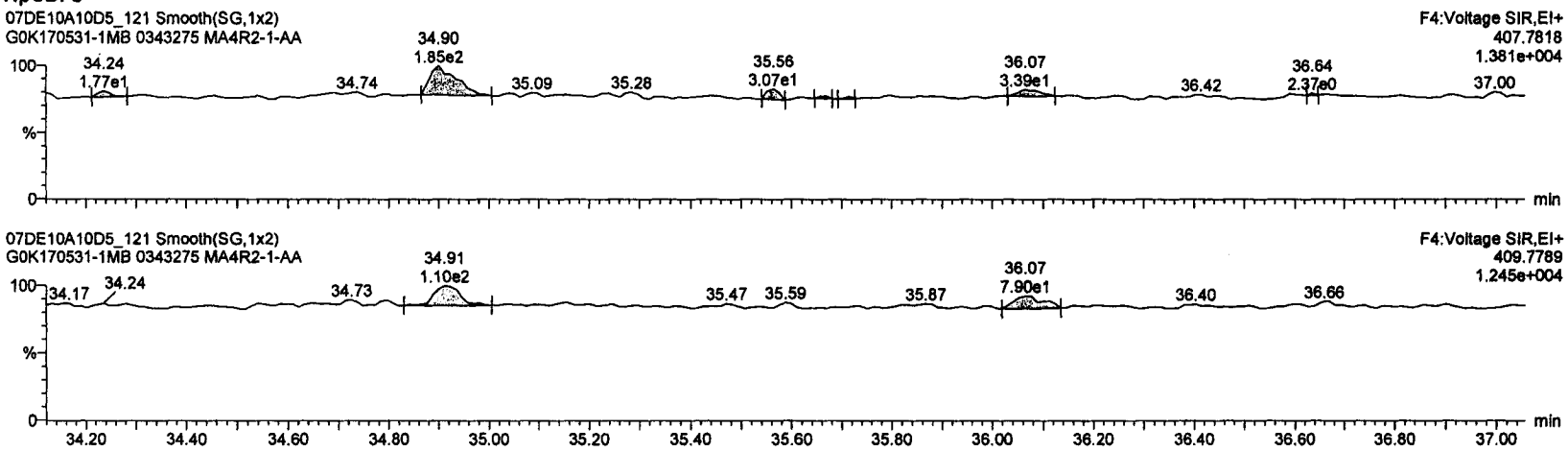
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

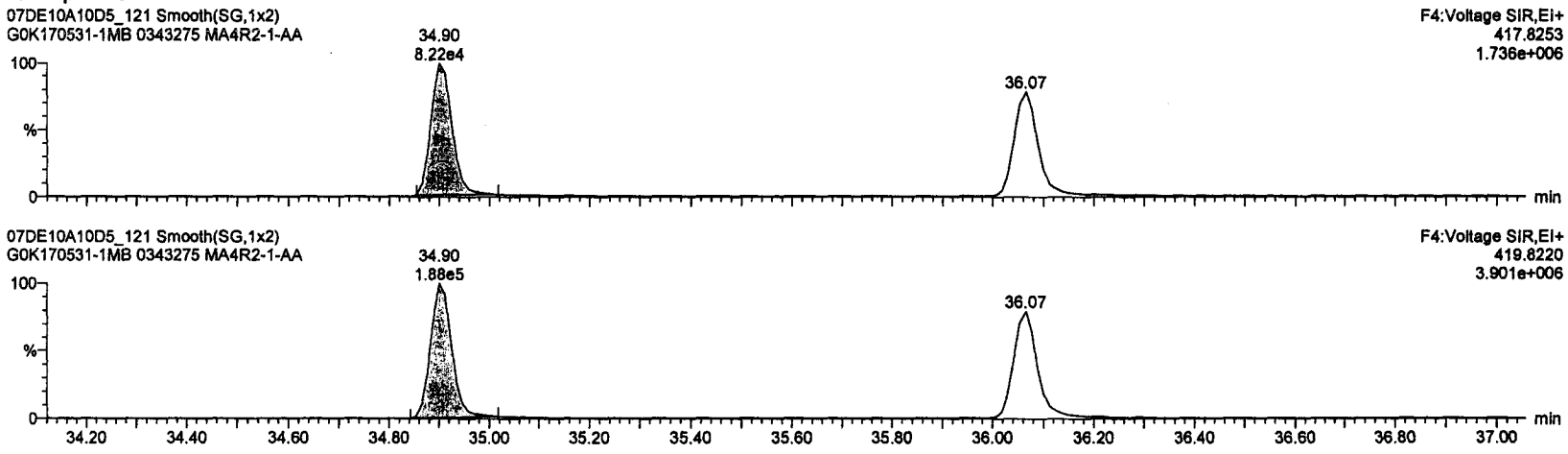
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

HpCDFs



13C-HpCDFs



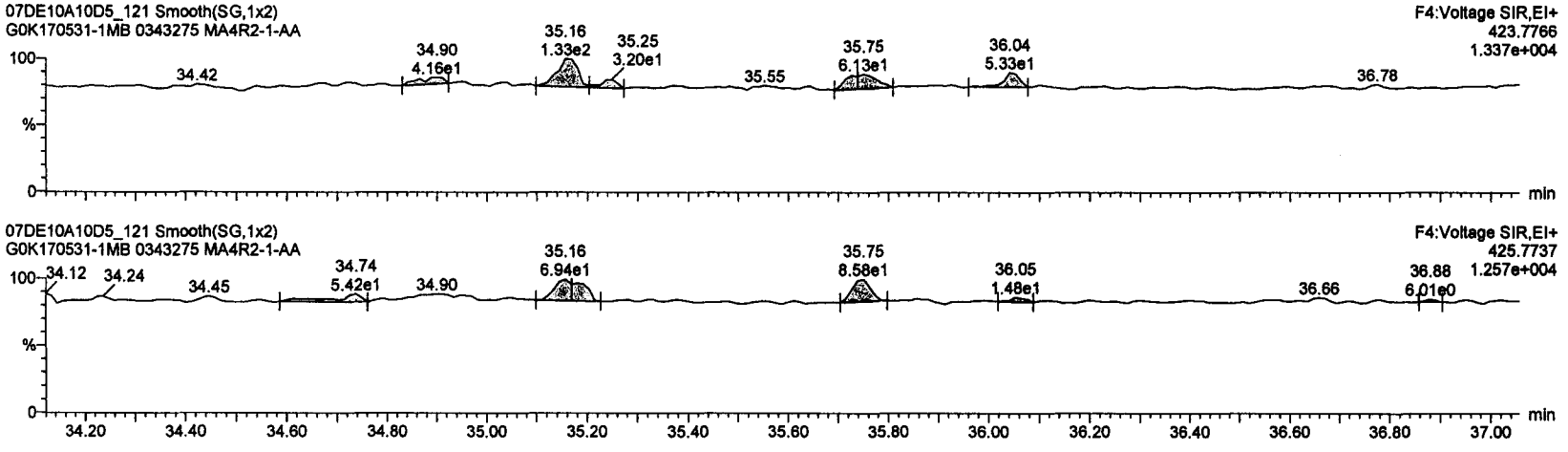
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

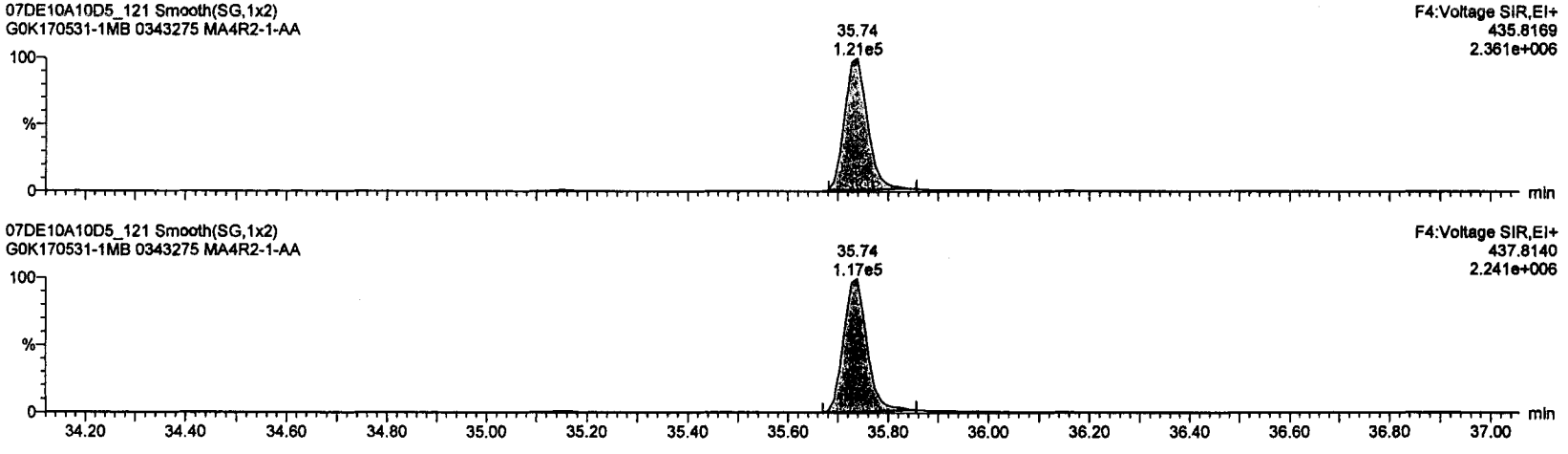
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



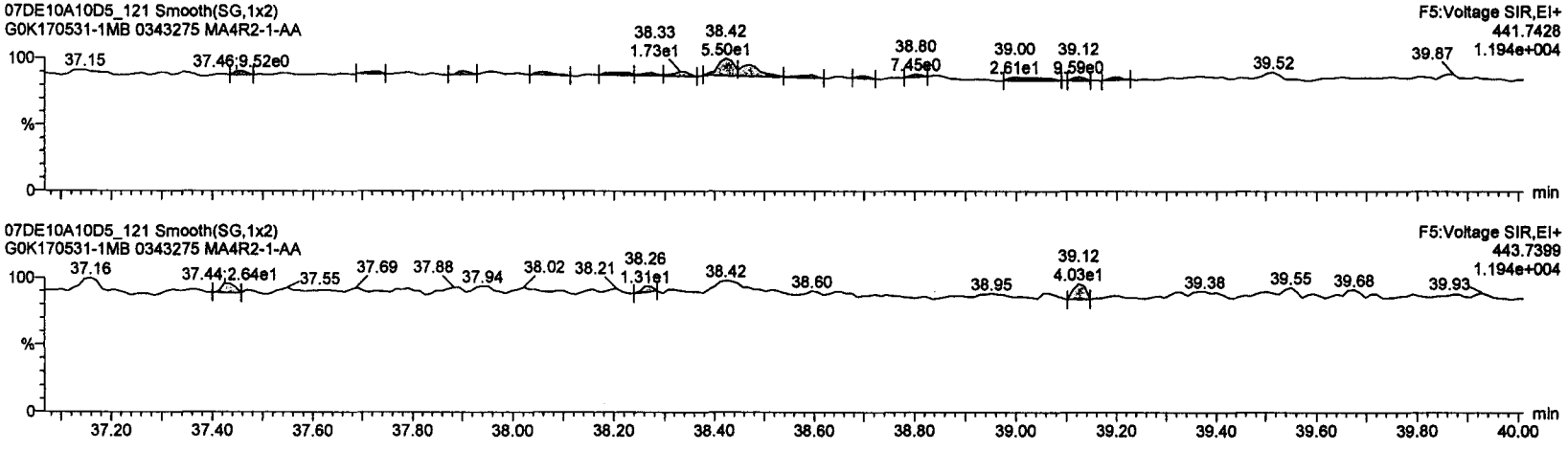
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

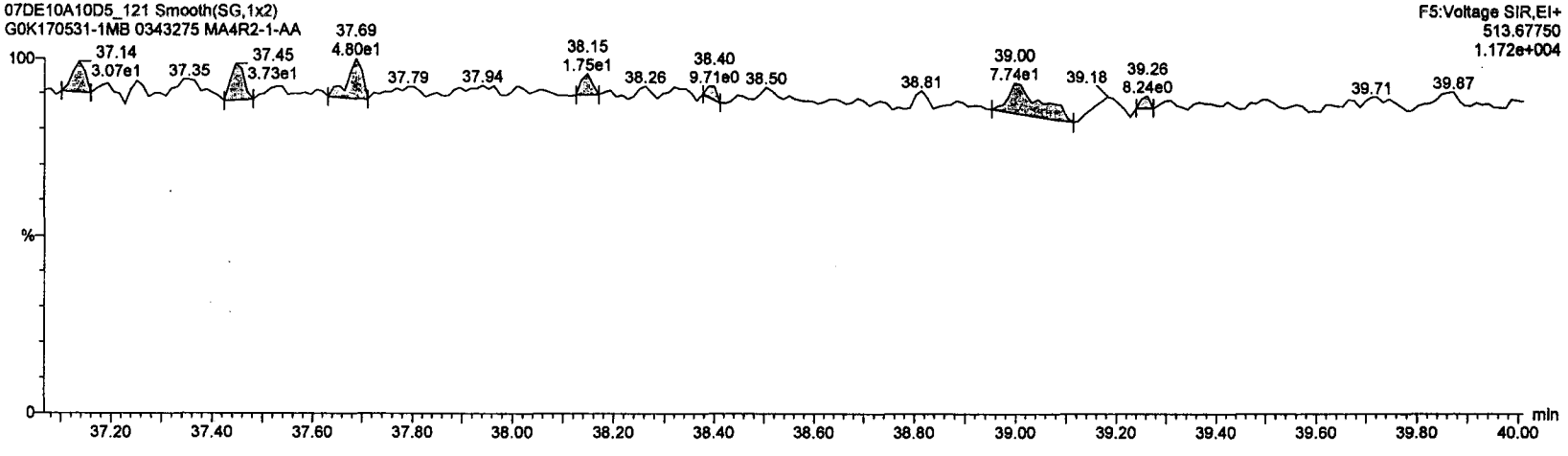
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

OCDFs



OCDF PCDPE



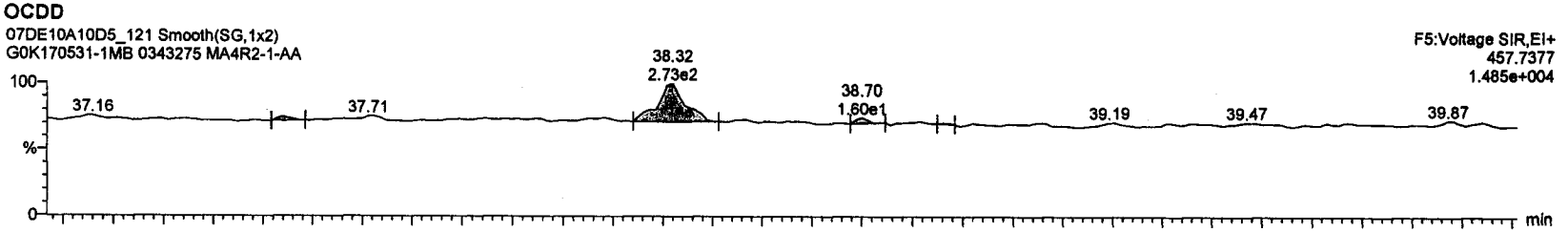
Quantify Sample Report **MassLynx 4.1**

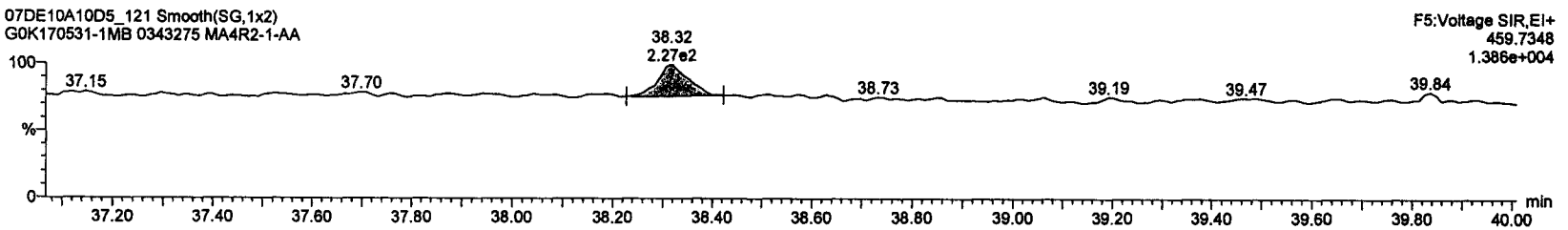
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

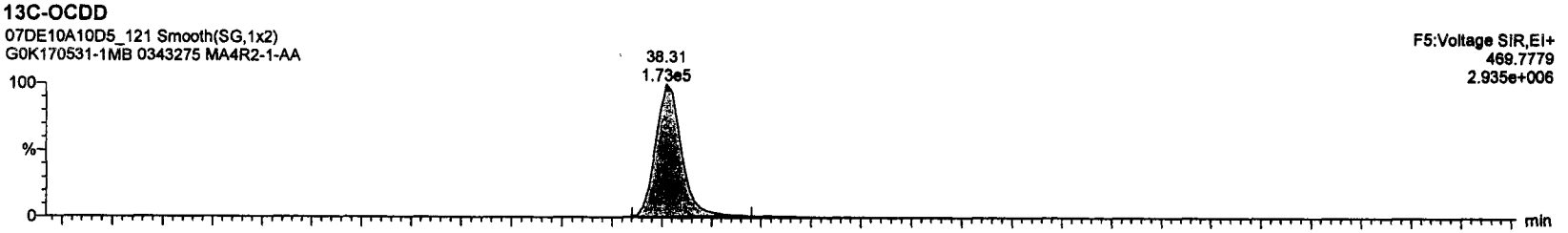
Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

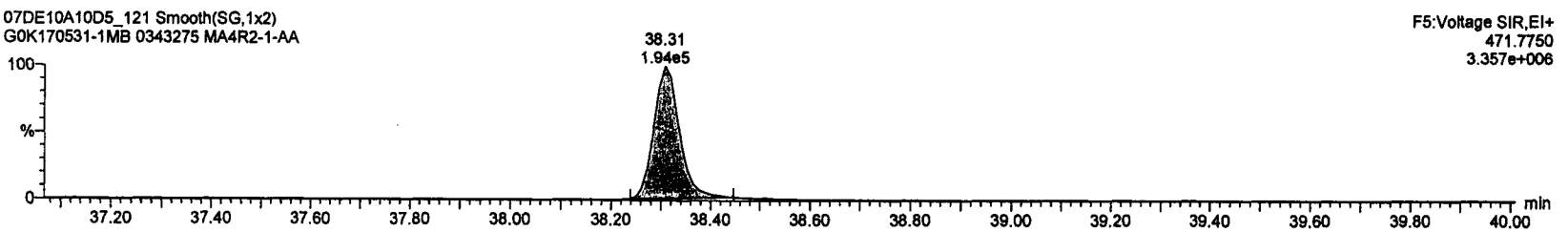
OCDD





13C-OCDD





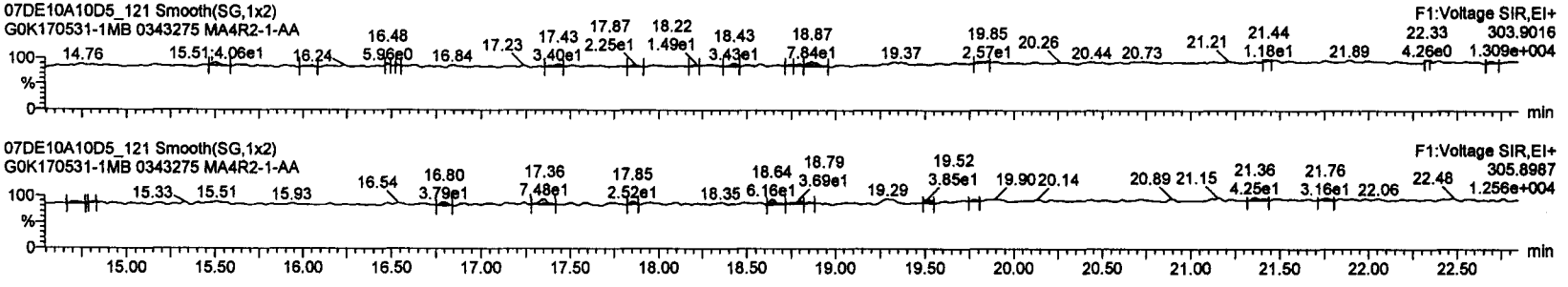
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

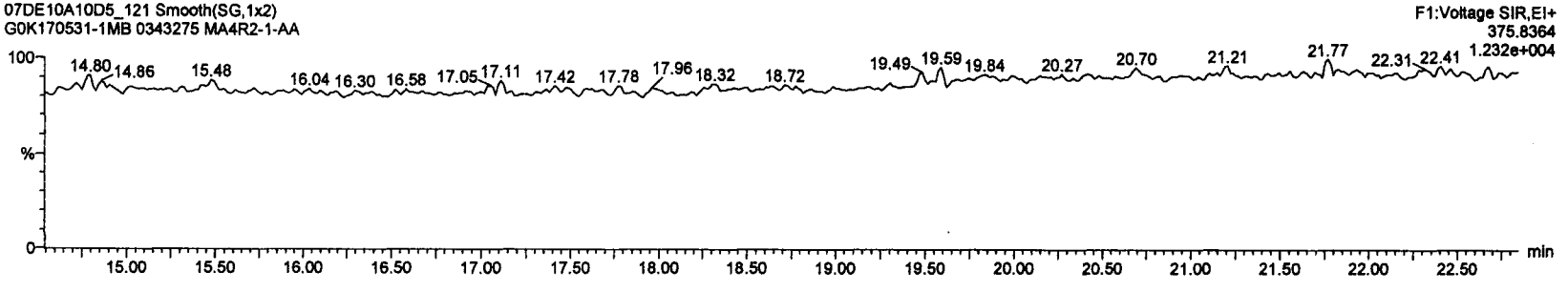
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

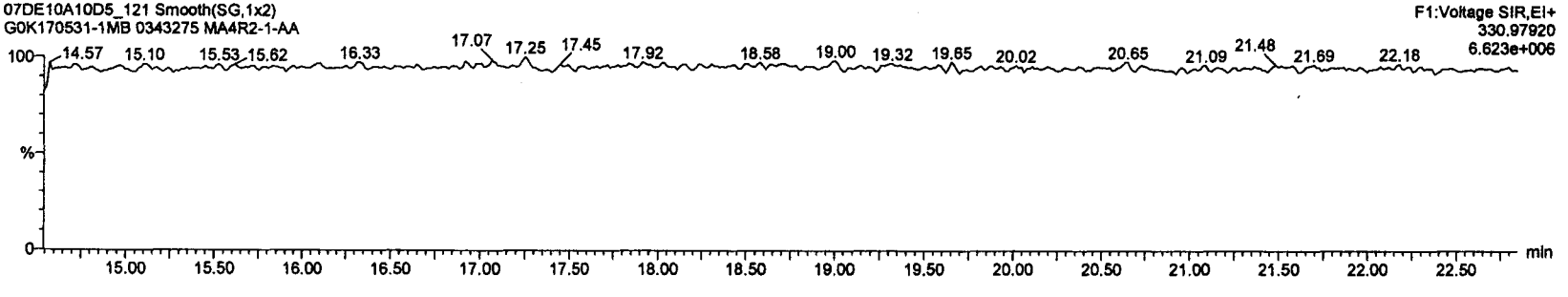
TCDFs



TCDF PCDPE



Function 1 PFK



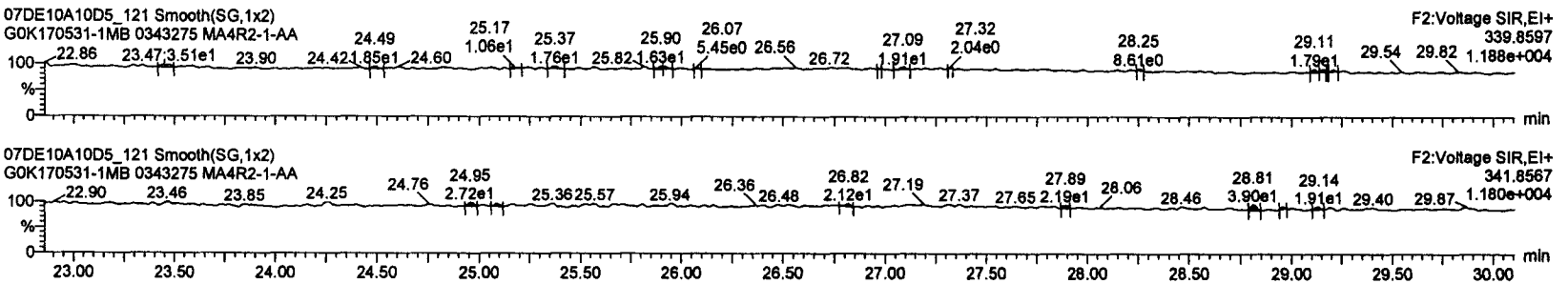
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

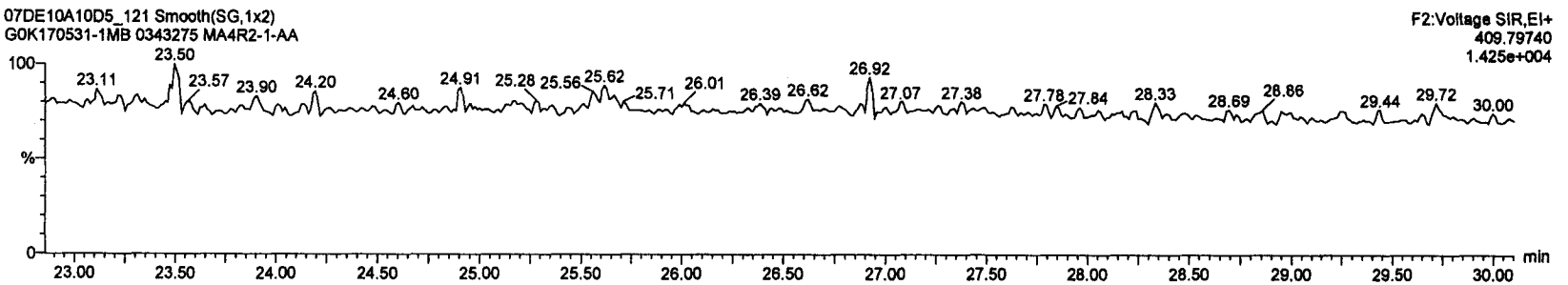
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

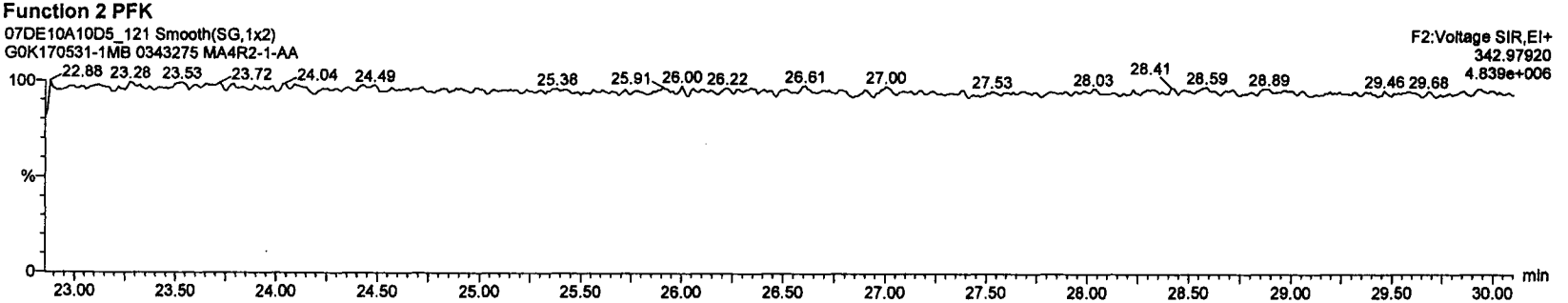
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



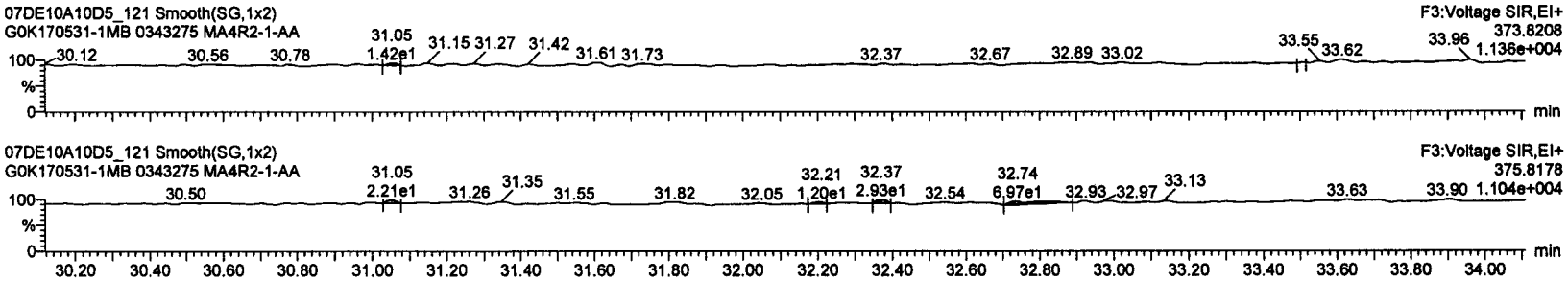
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

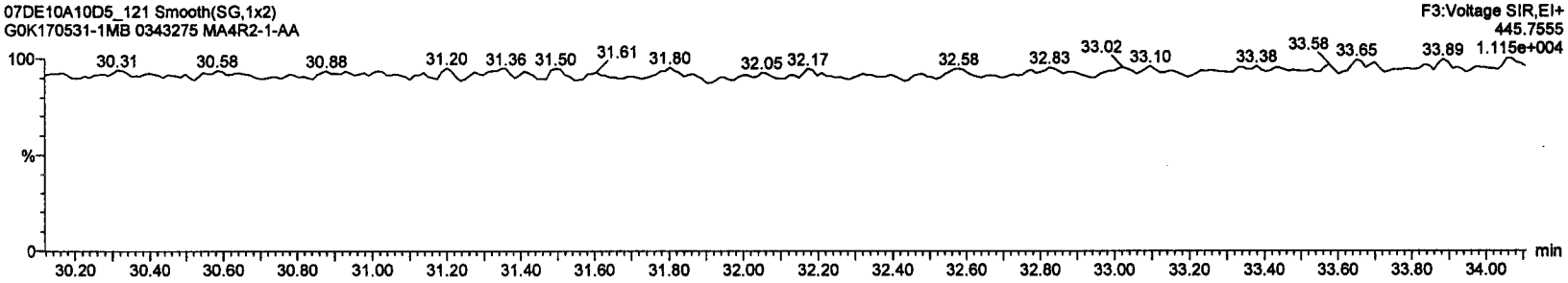
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

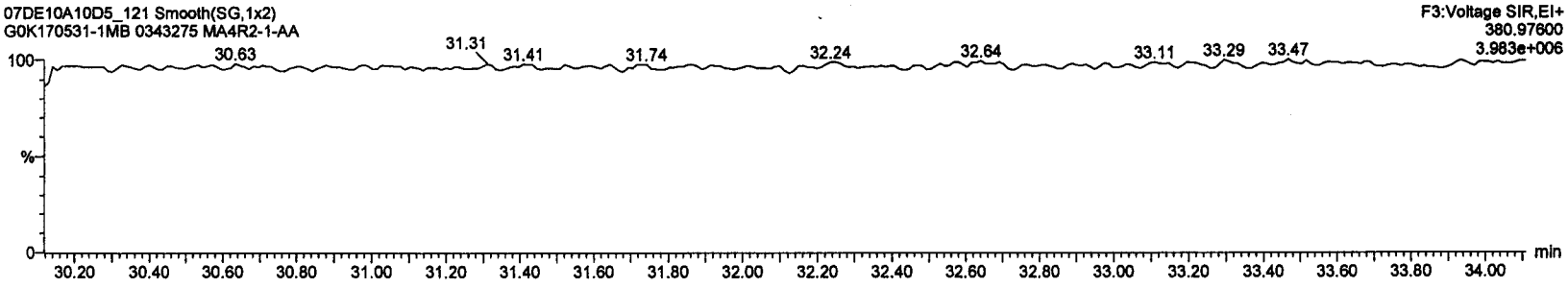
HxCDFs



HxCDF PCDPE



Function 3 PFK



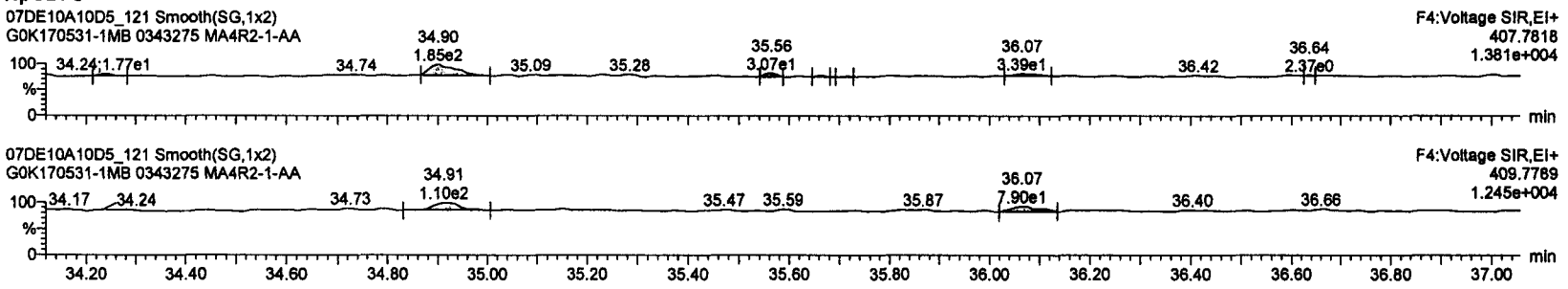
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

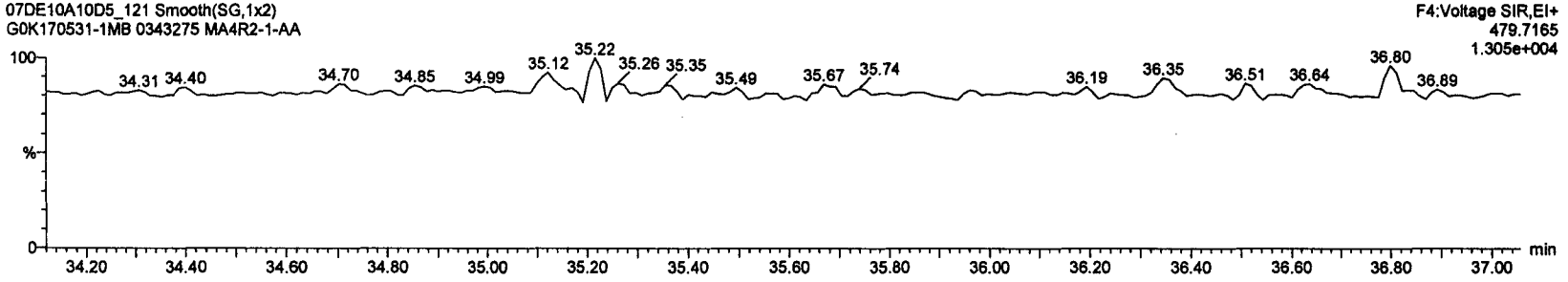
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

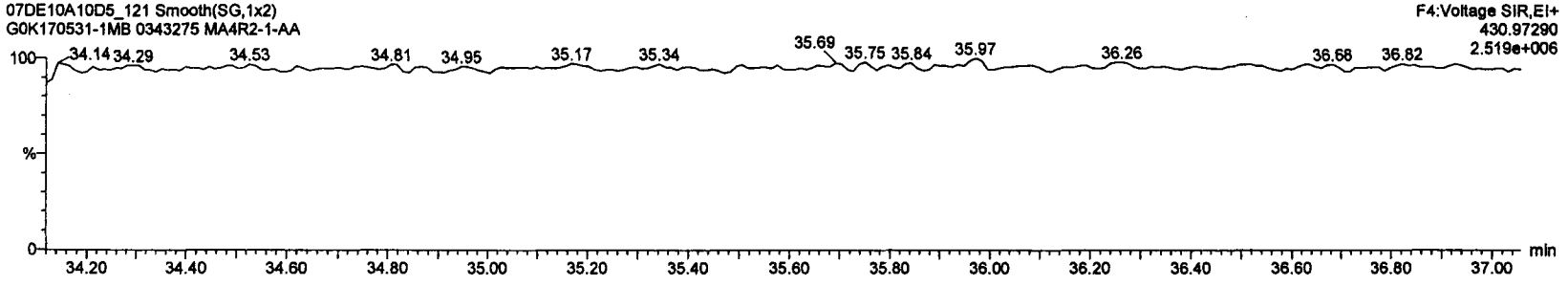
HpCDFs



HpCDF PCDPE



Function 4 PFK



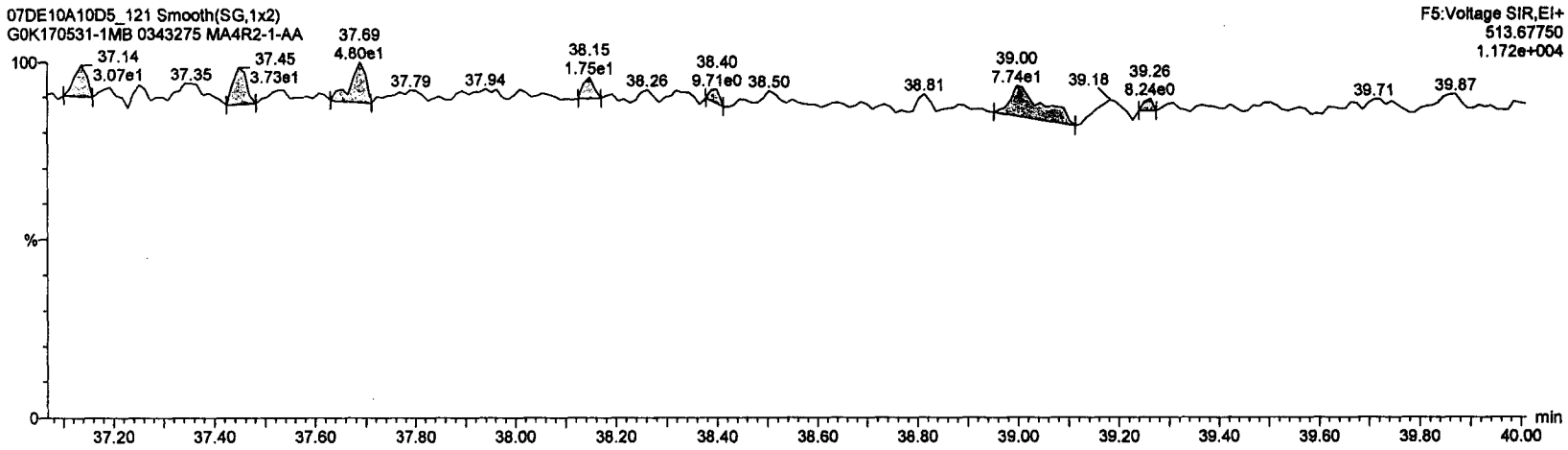
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

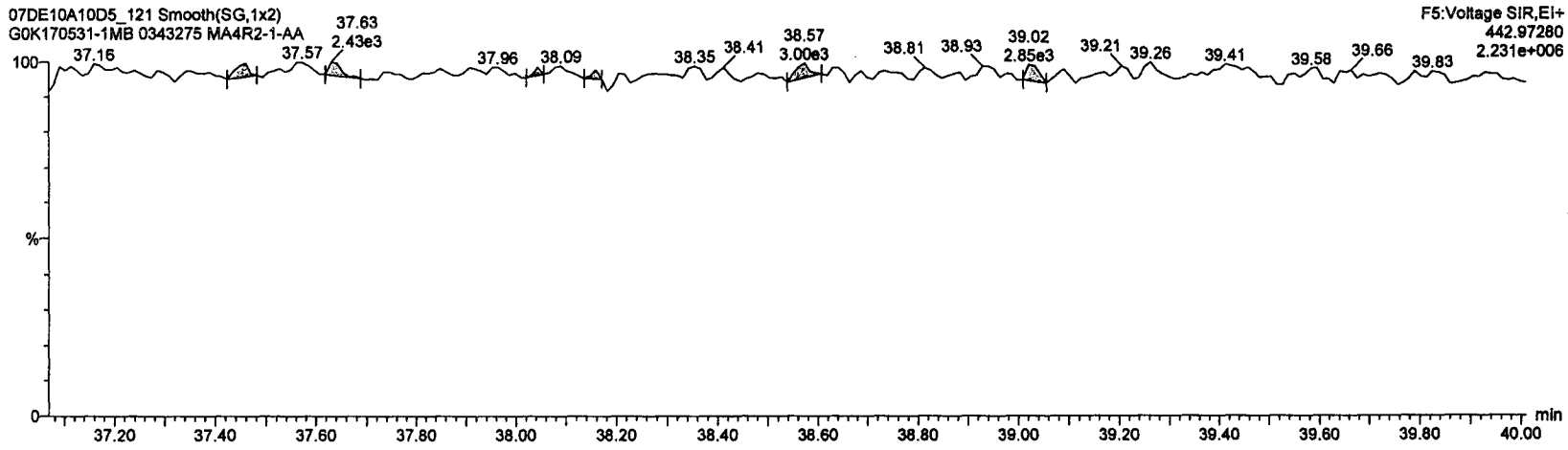
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_121, Date: 11-Dec-2010, Time: 12:04:24, ID: MA4R2-1-AA, Description: G0K170531-1MB 0343275

OCDF PCDPE



Function 5 PFK



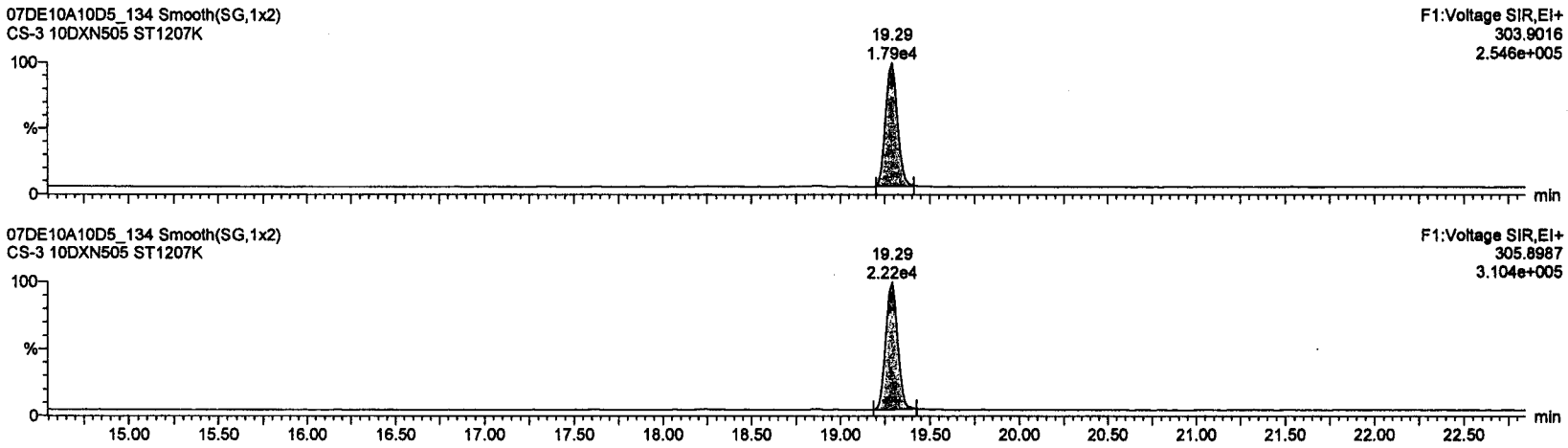
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

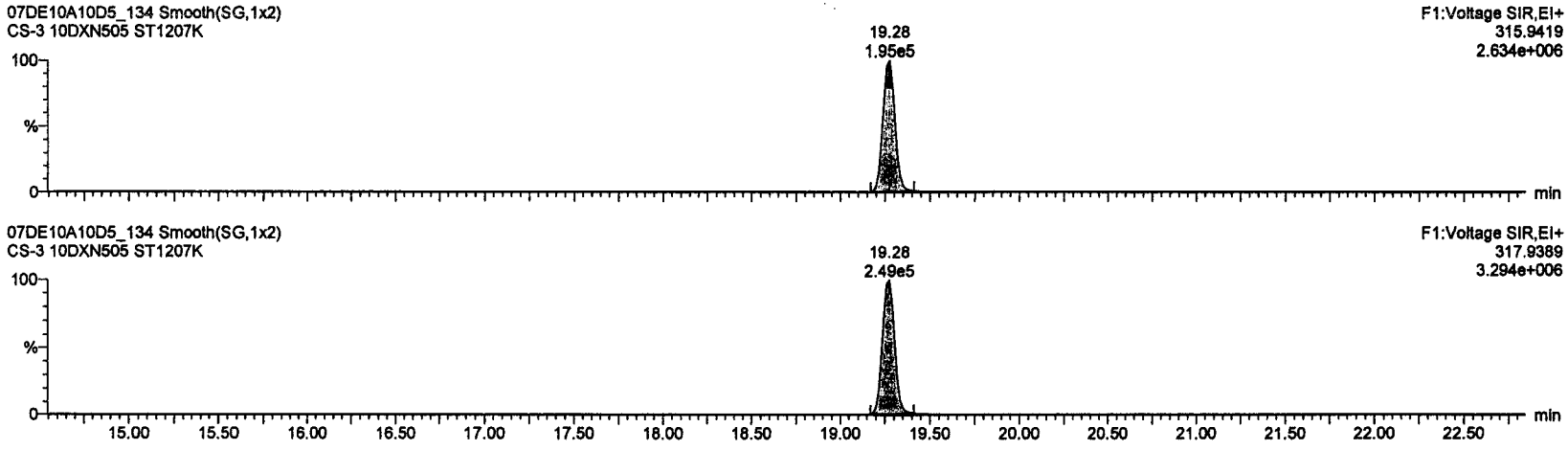
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

TCDFs



13C-TCDF



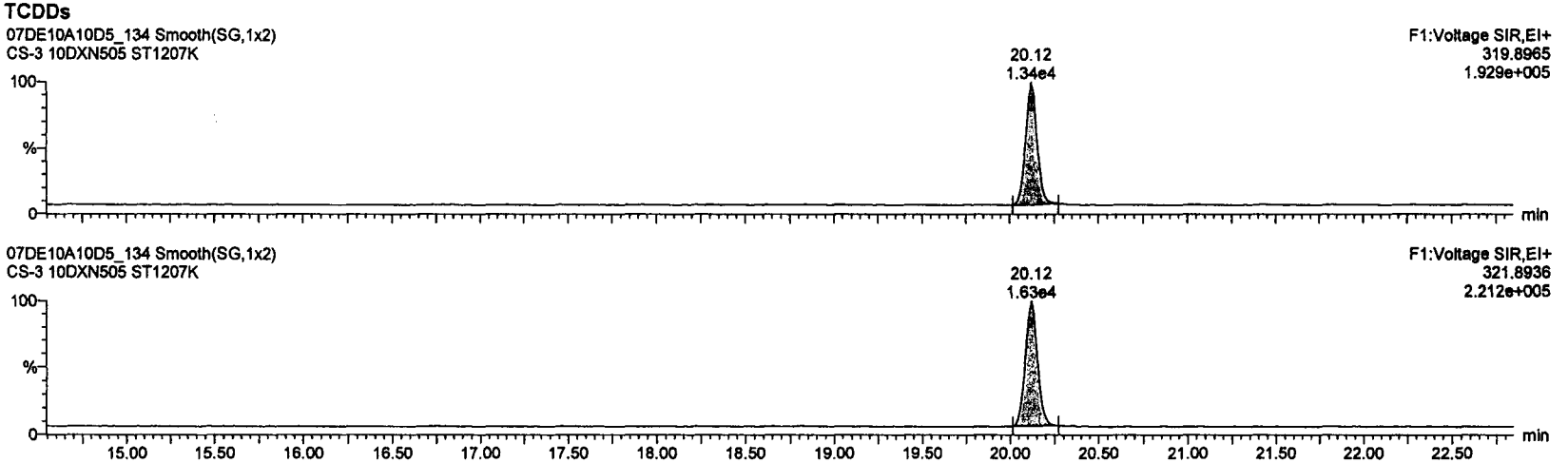
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

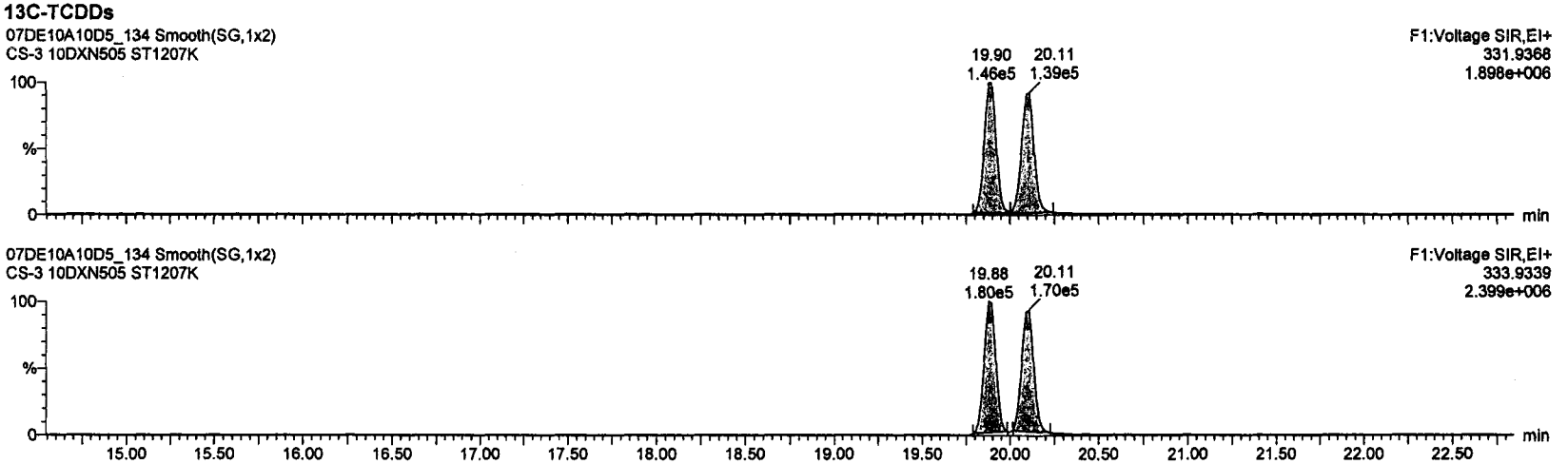
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

TCDDs



13C-TCDDs



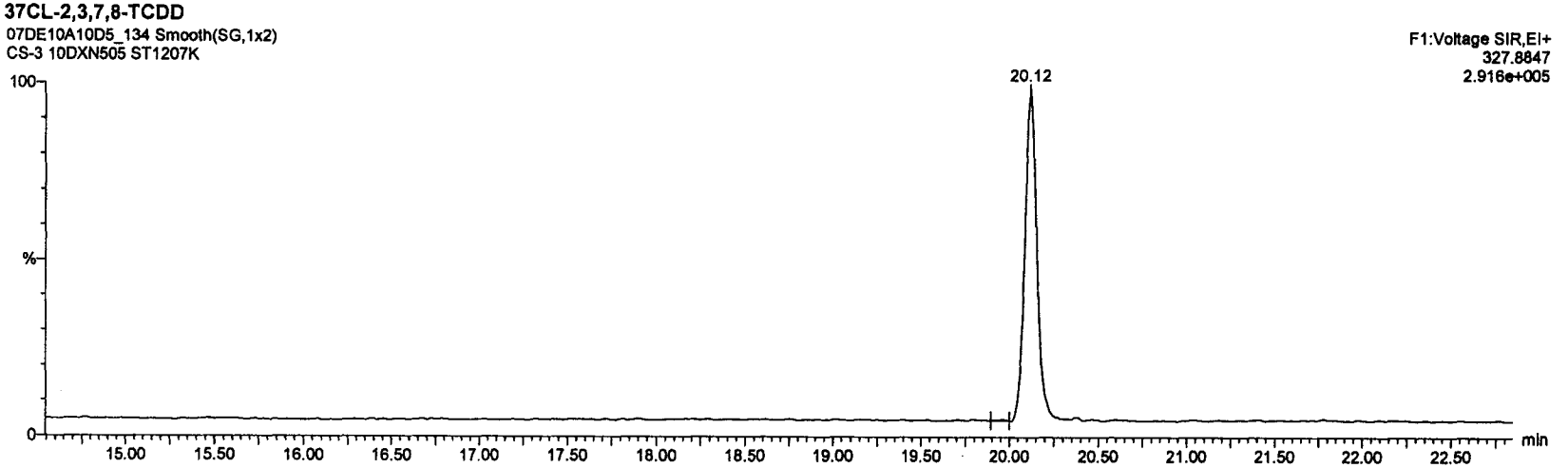
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

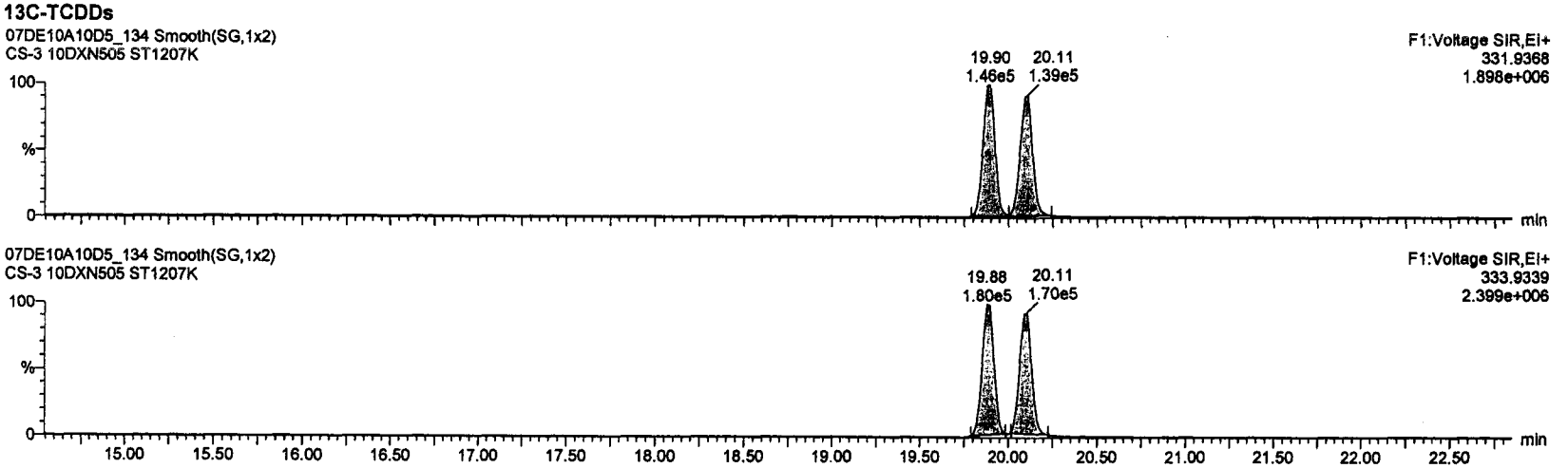
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

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



13C-TCDDs



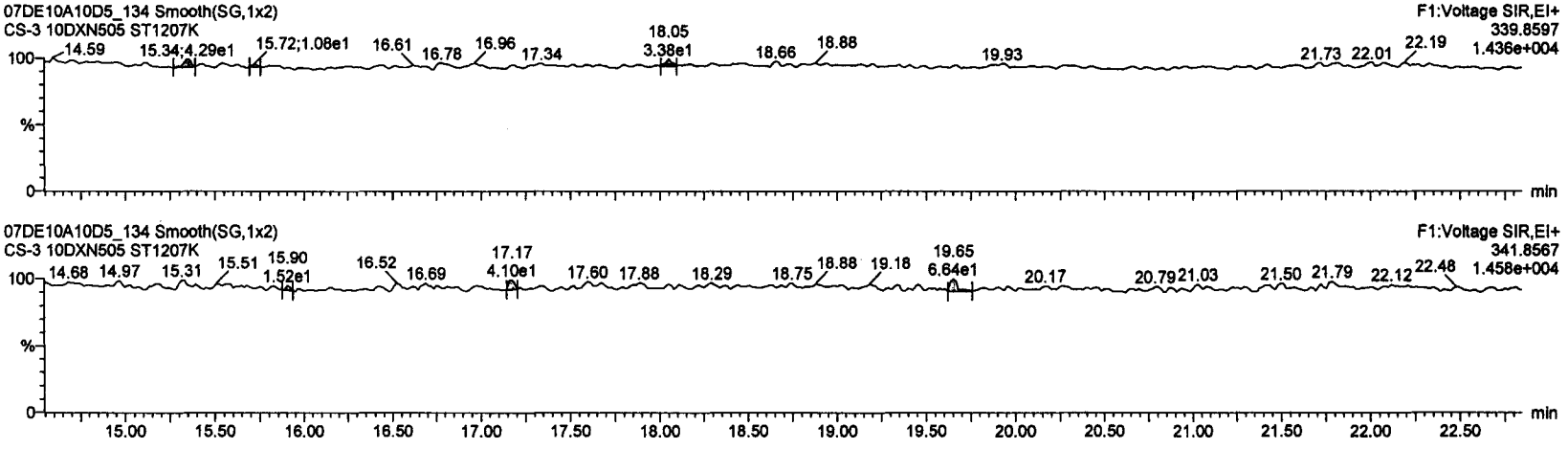
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

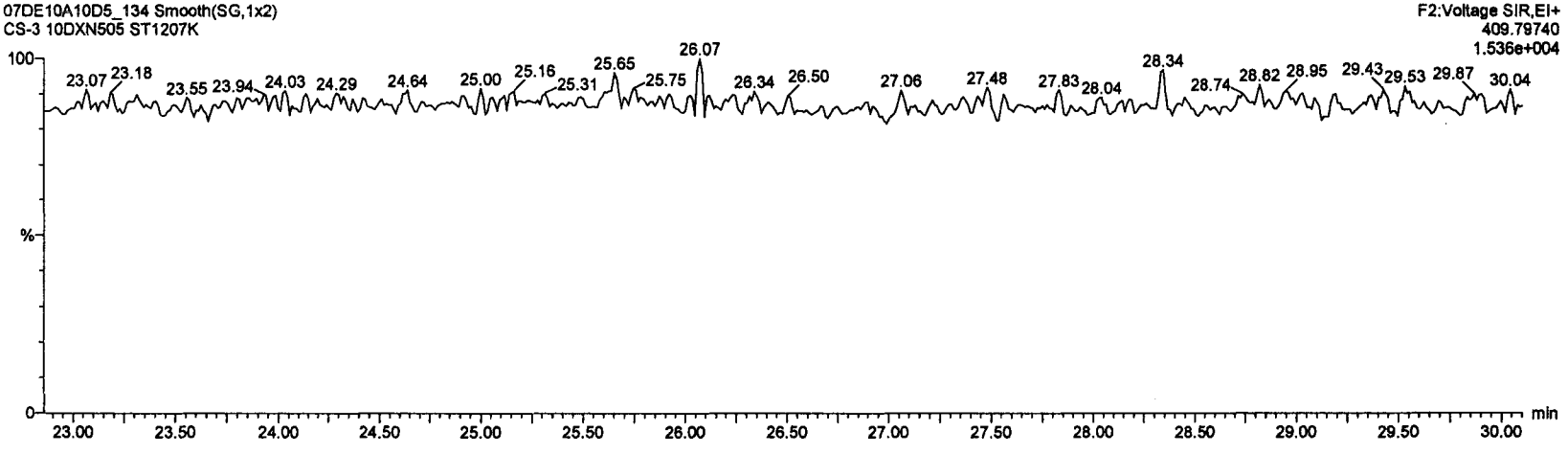
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

F1 PeCDFs



F1 PeCDF PCDPE



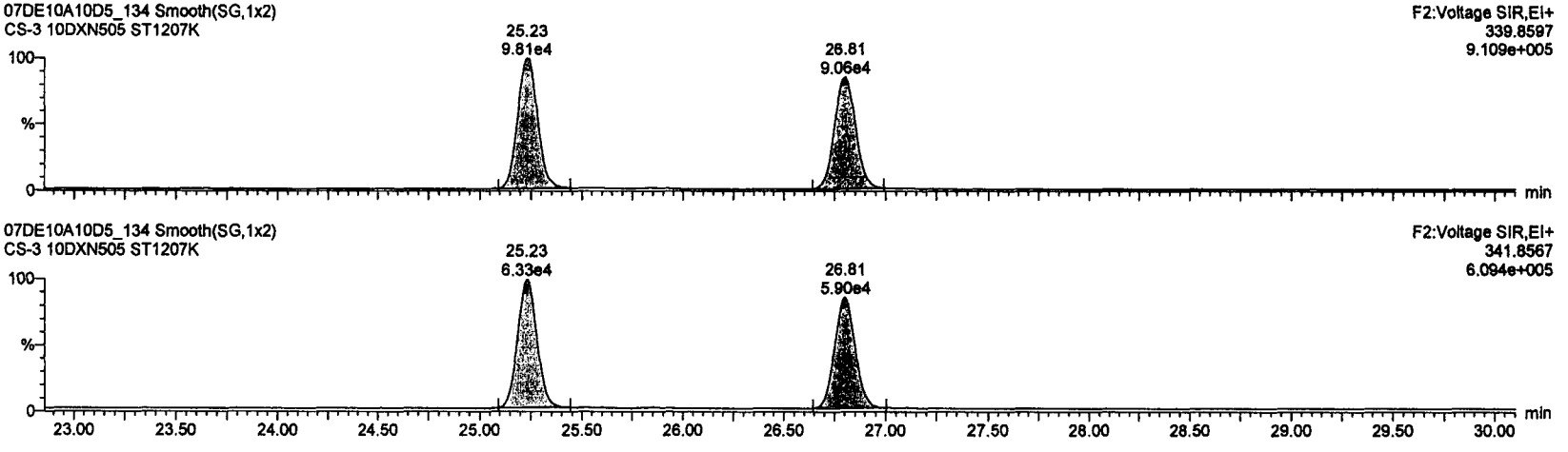
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

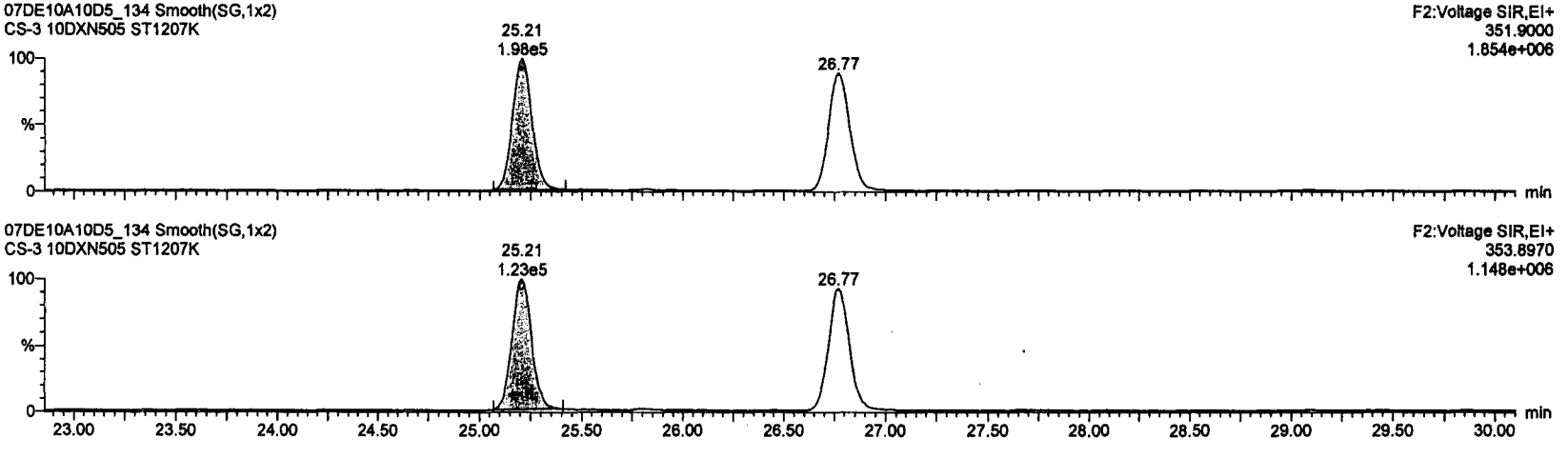
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

PeCDFs



13C-PeCDFs



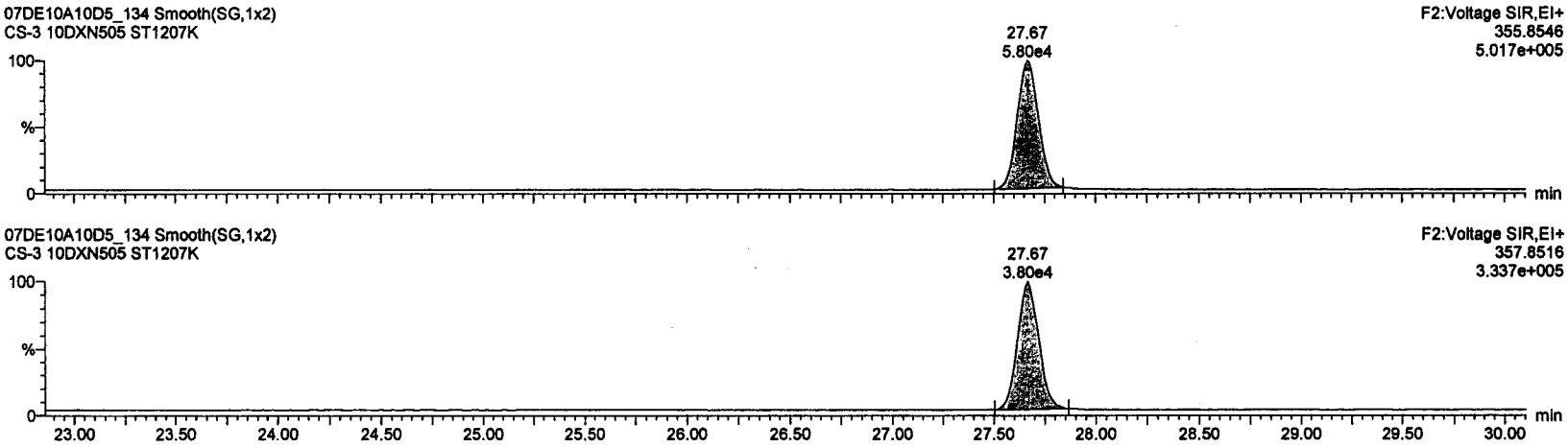
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

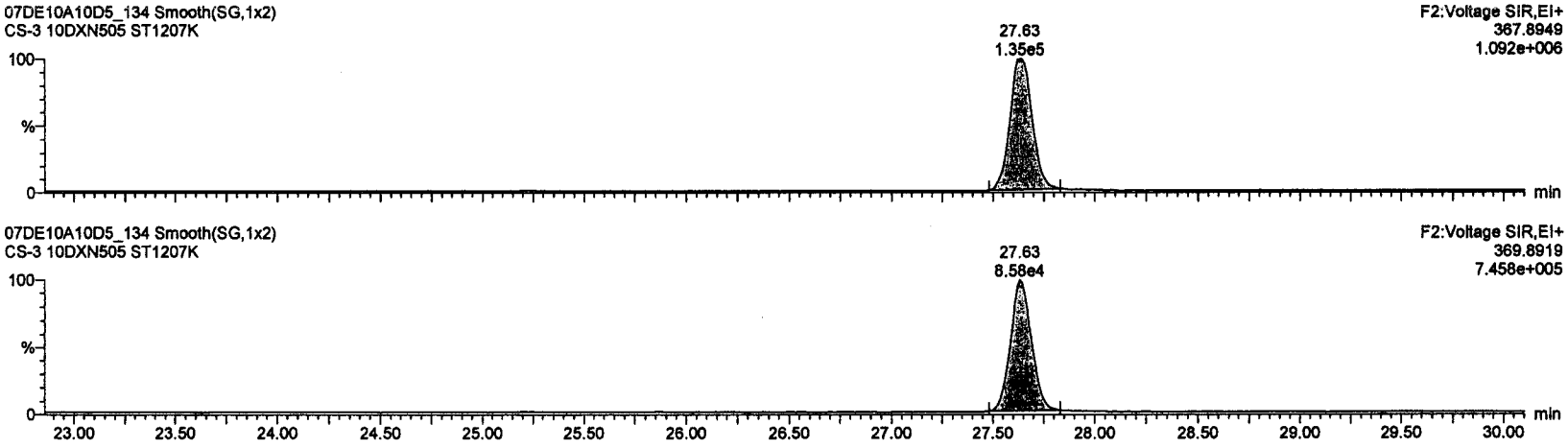
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

PeCDDs



13C-PeCDD



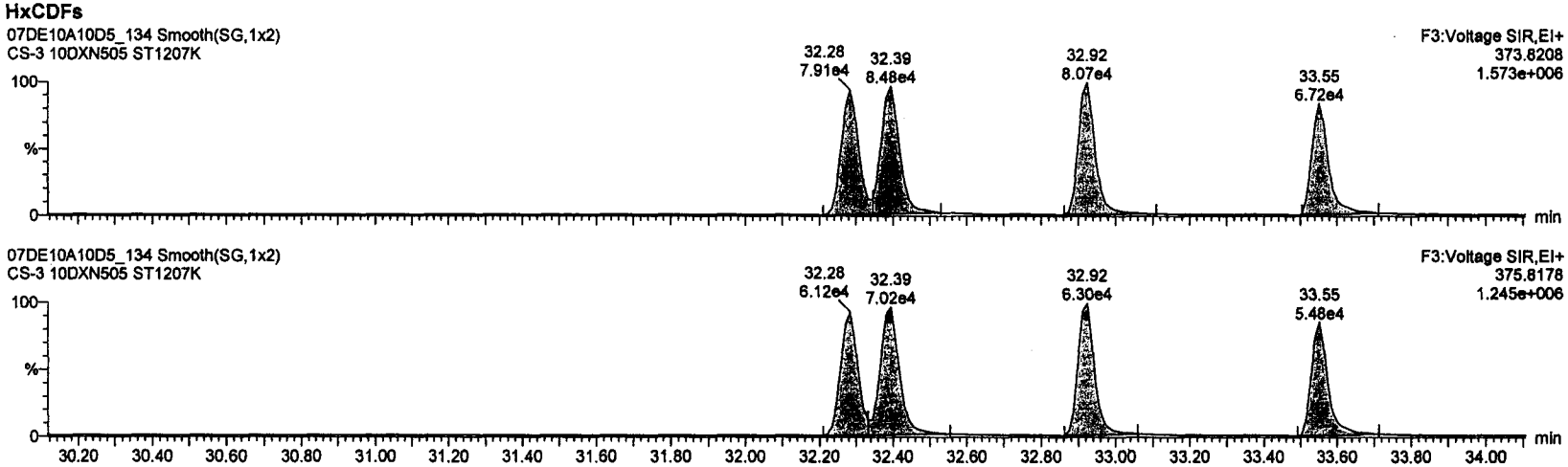
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

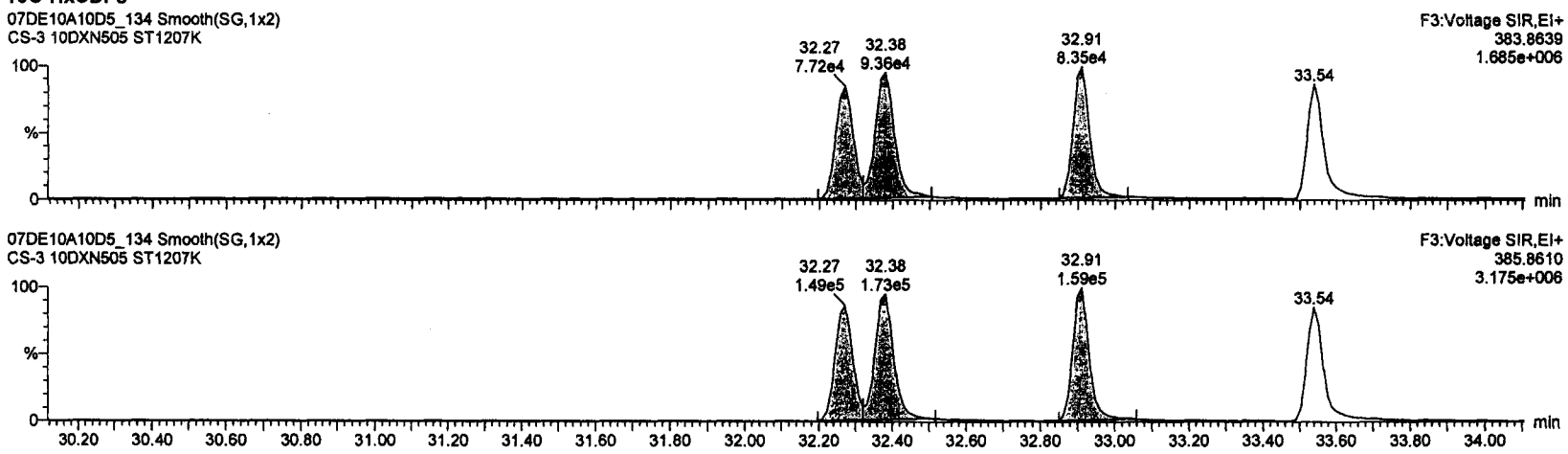
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

HxCDFs



13C-HxCDFs



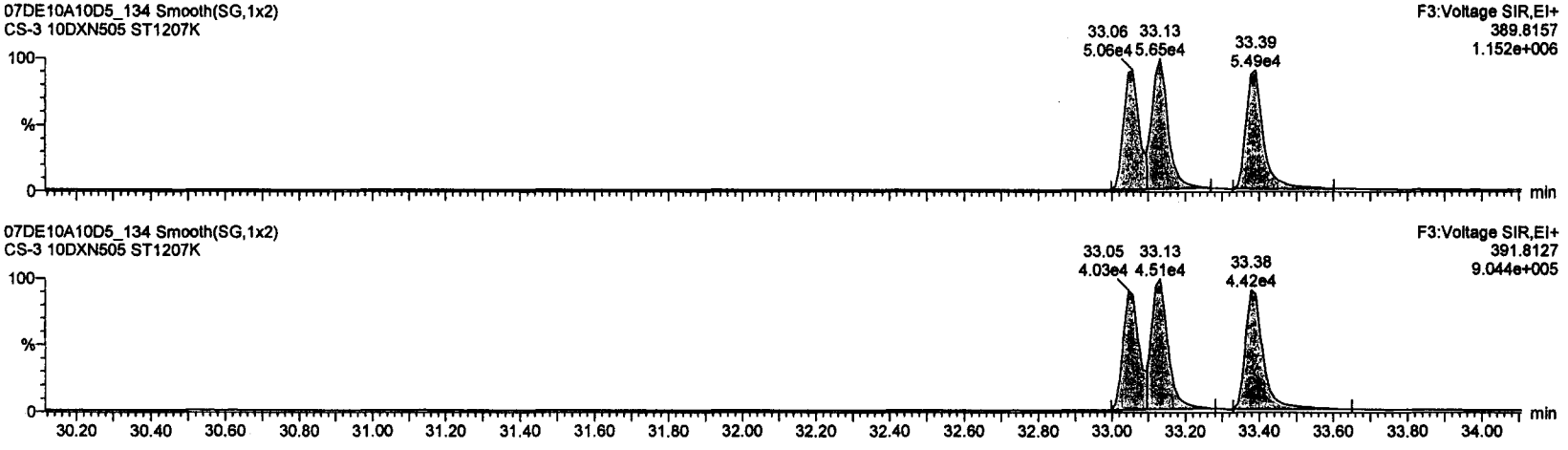
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

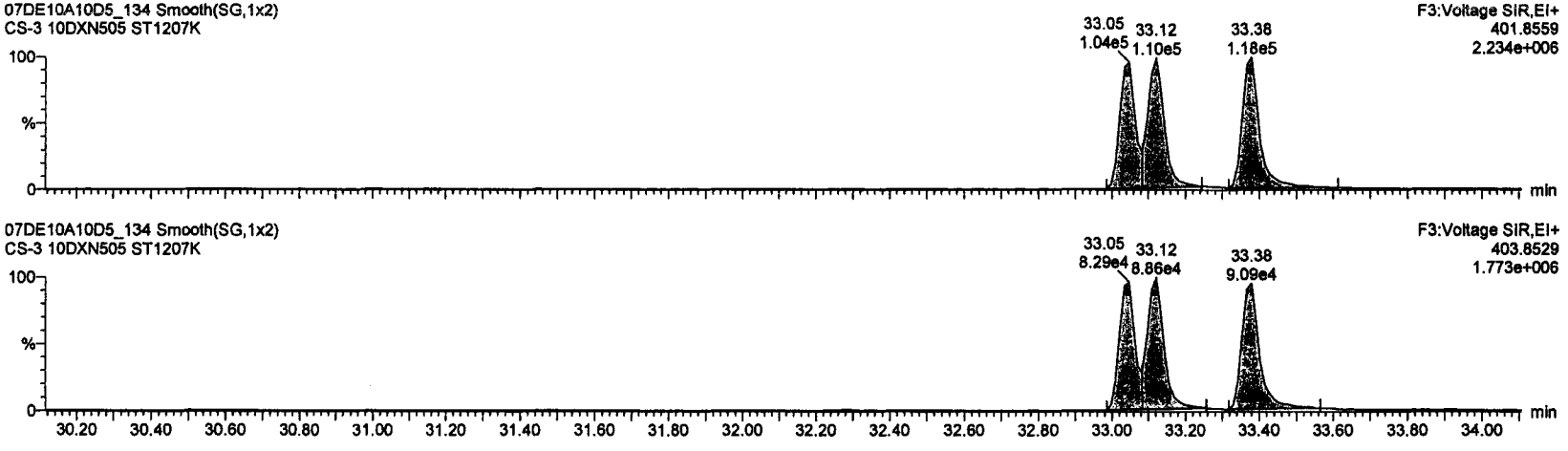
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

HxCDDs



13C-1,2,3,6,7,8-HxCDD



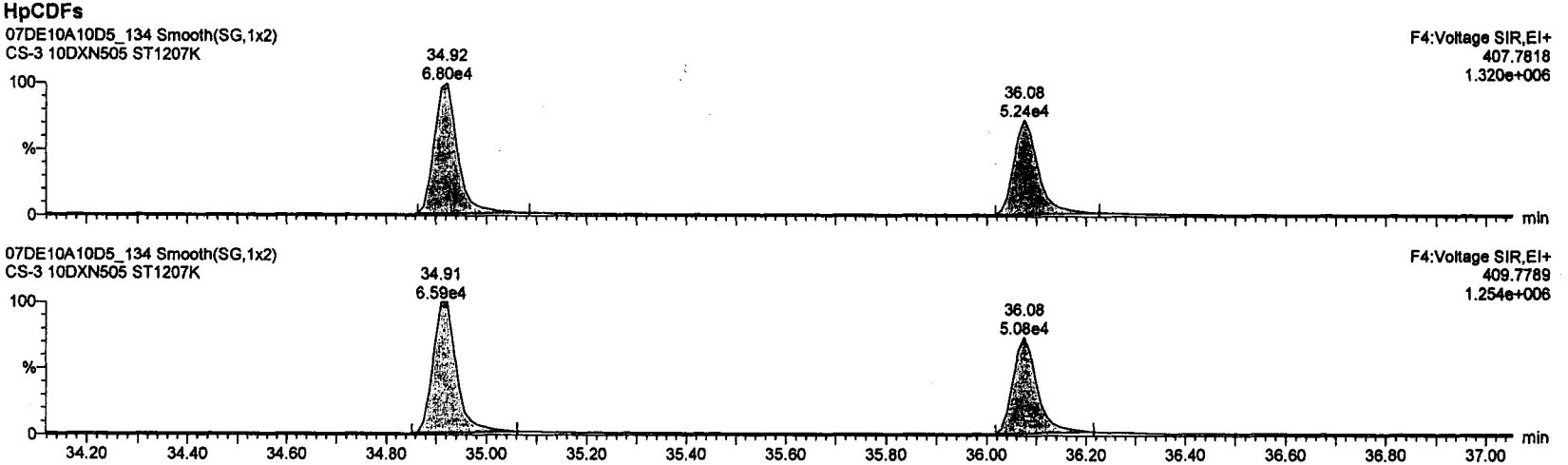
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

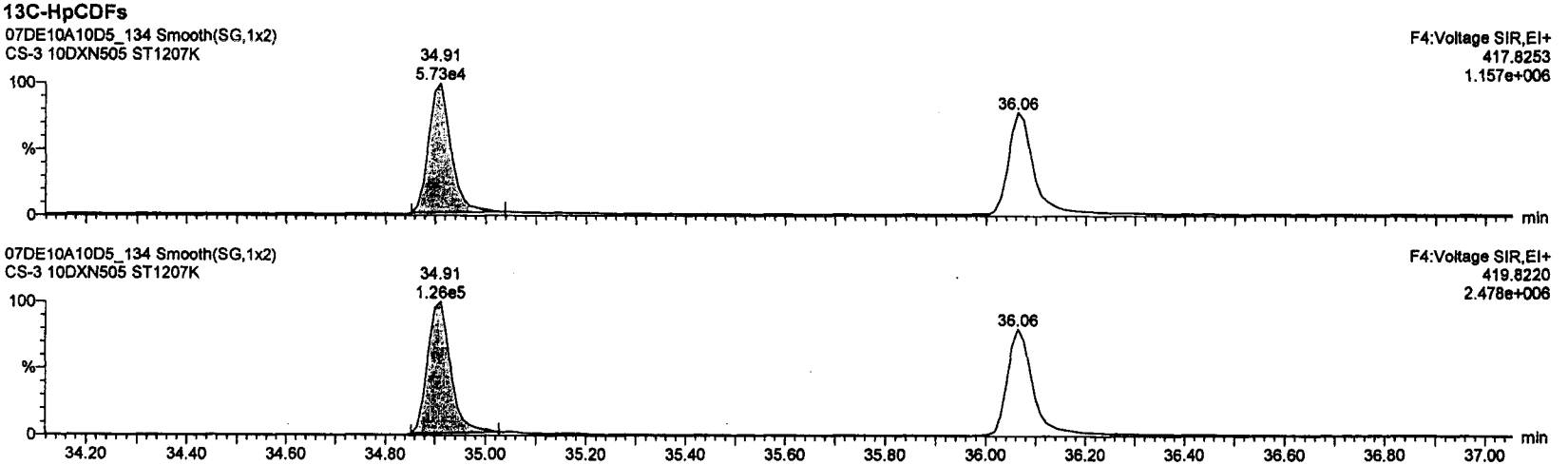
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

HpCDFs



13C-HpCDFs



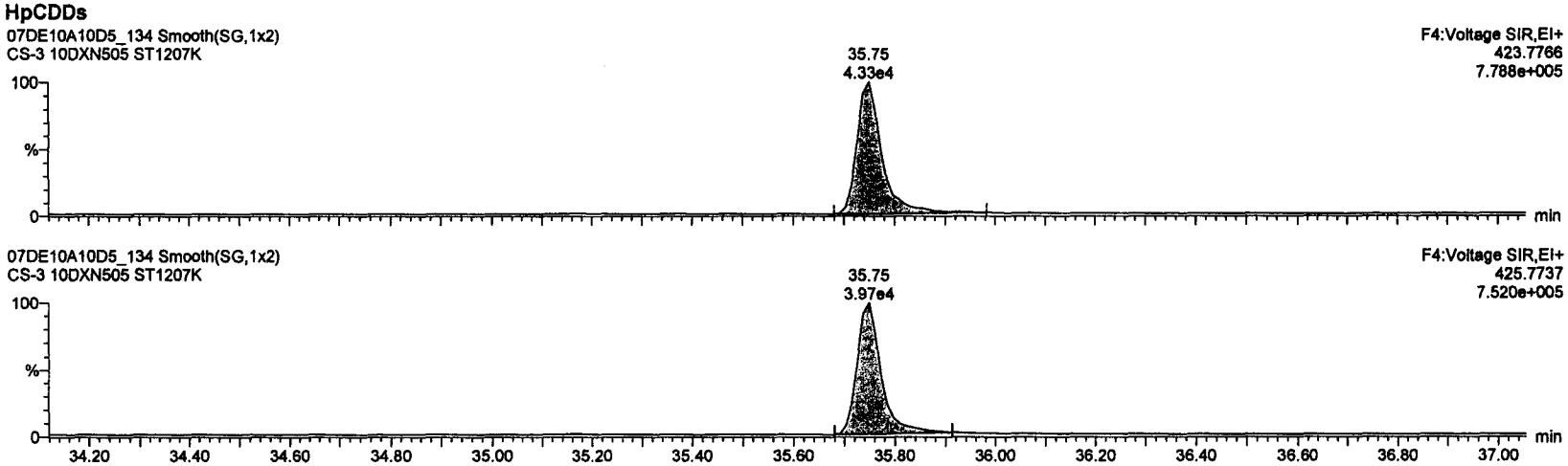
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

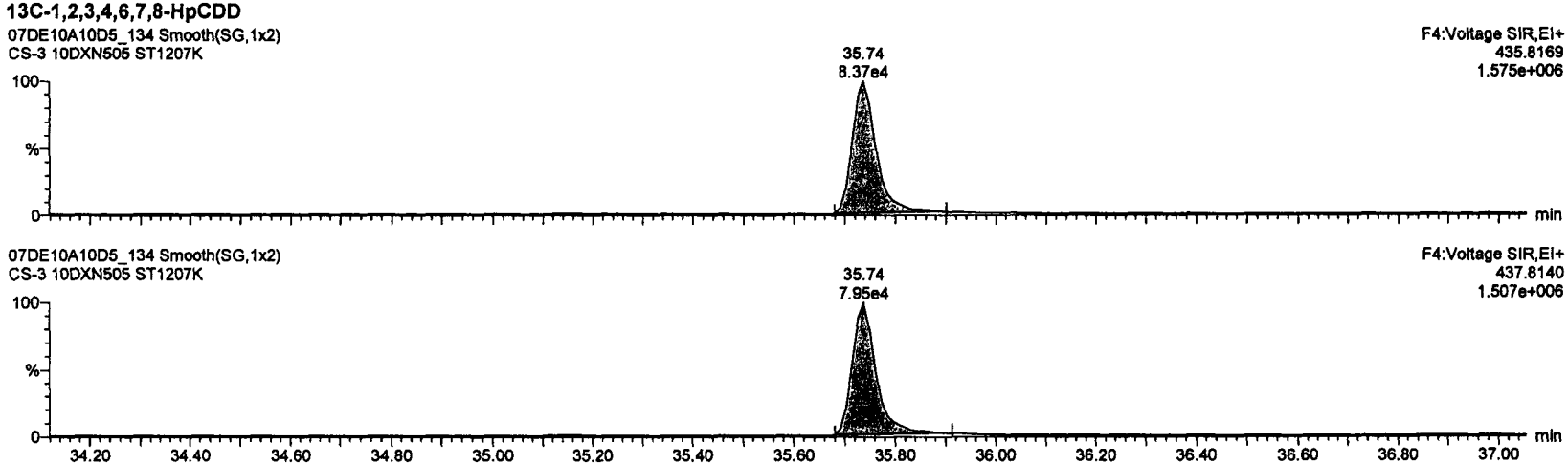
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



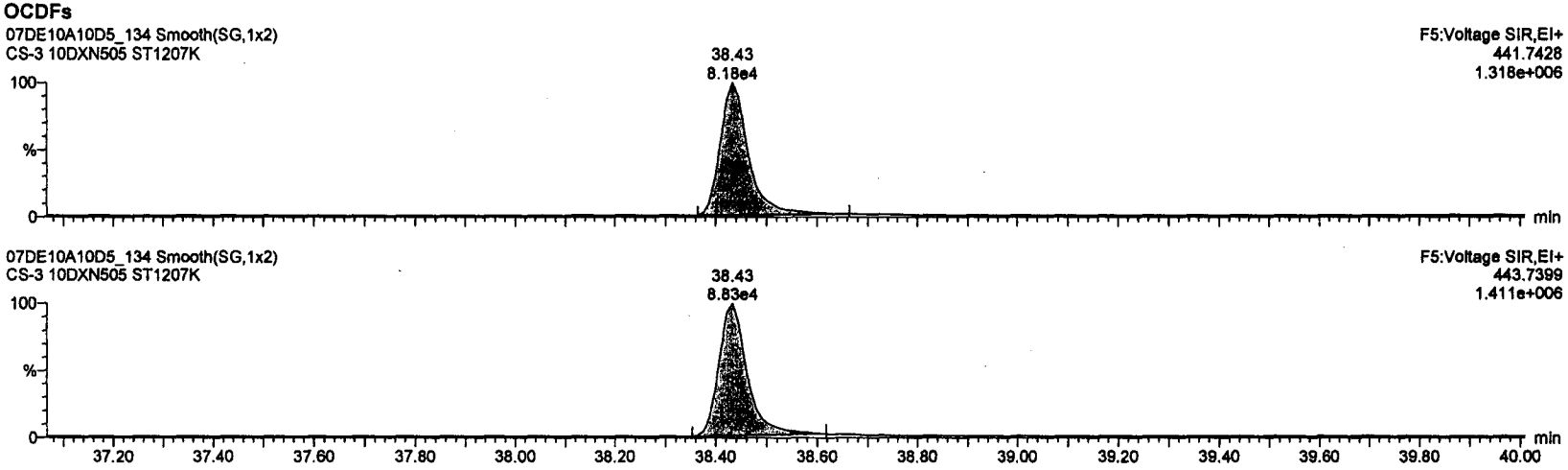
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

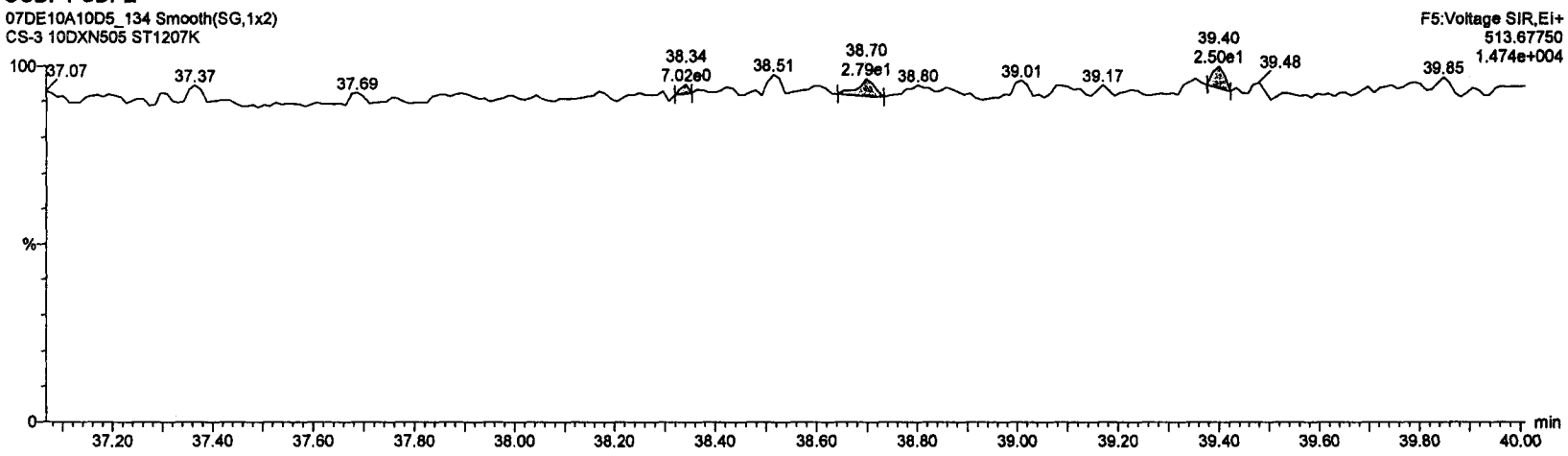
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

OCDFs



OCDF PCDPE



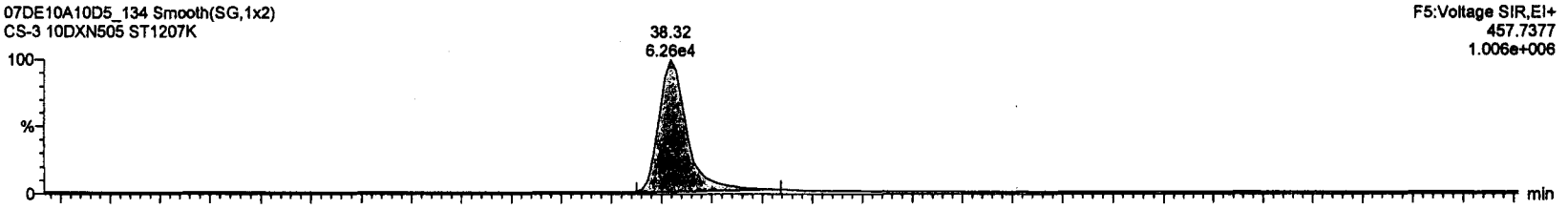
Quantify Sample Report **MassLynx 4.1**

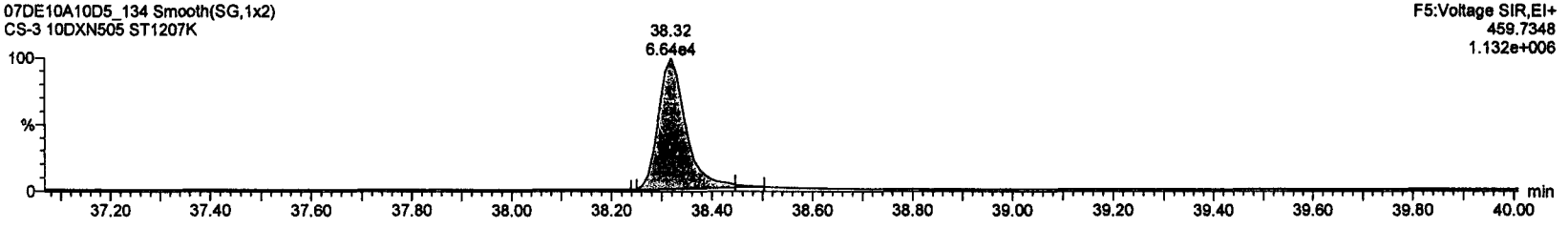
Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

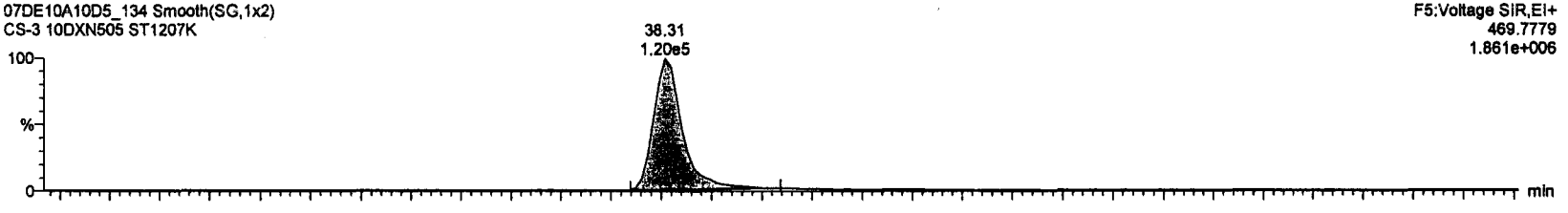
Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

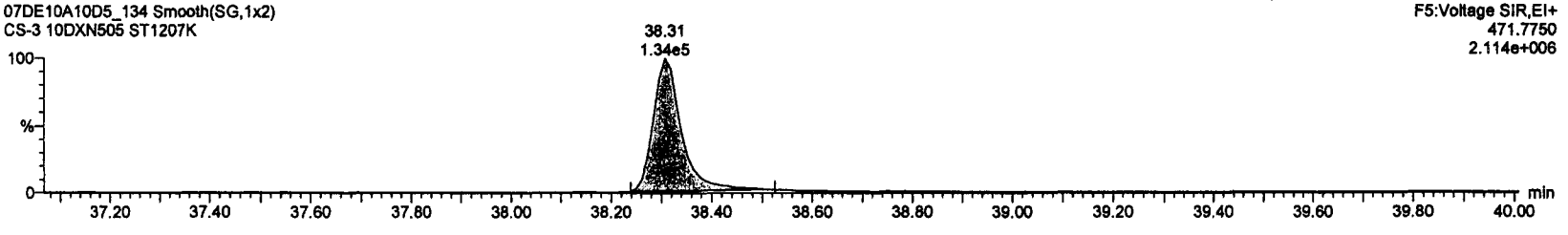
OCDD





13C-OCDD





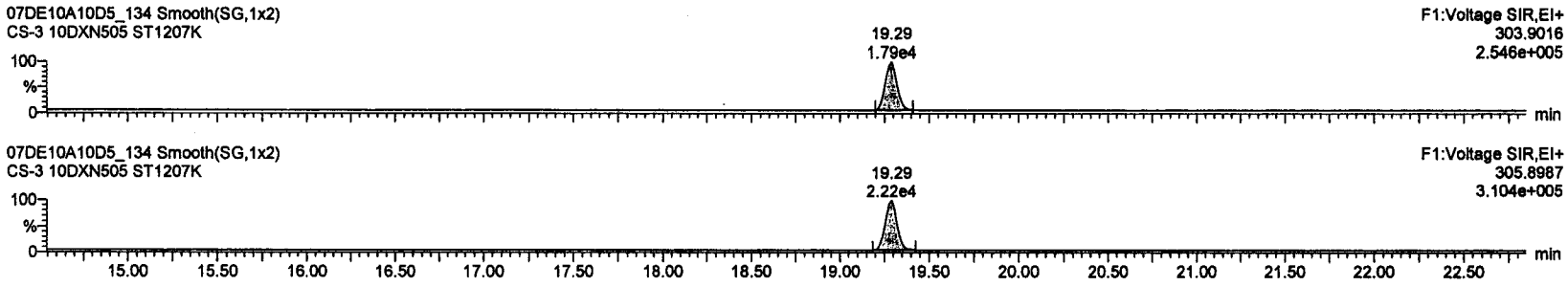
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

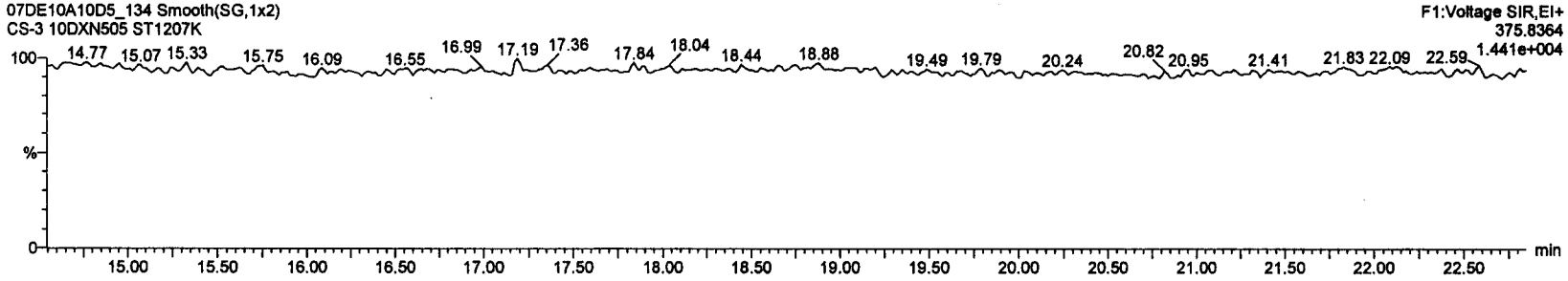
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

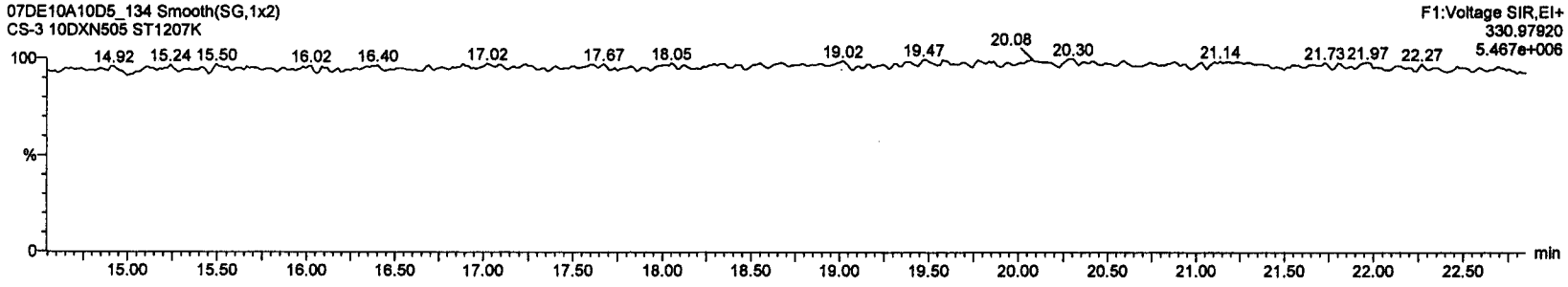
TCDFs



TCDF PCDPE



Function 1 PFK



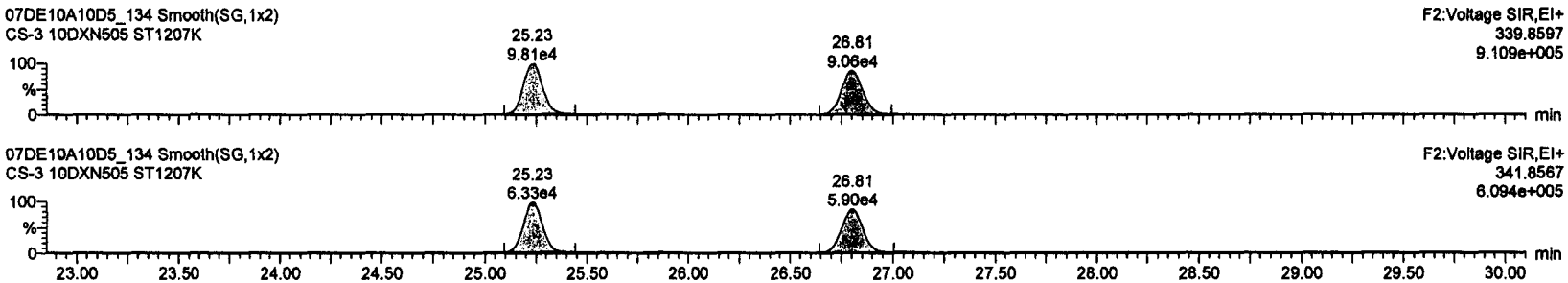
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

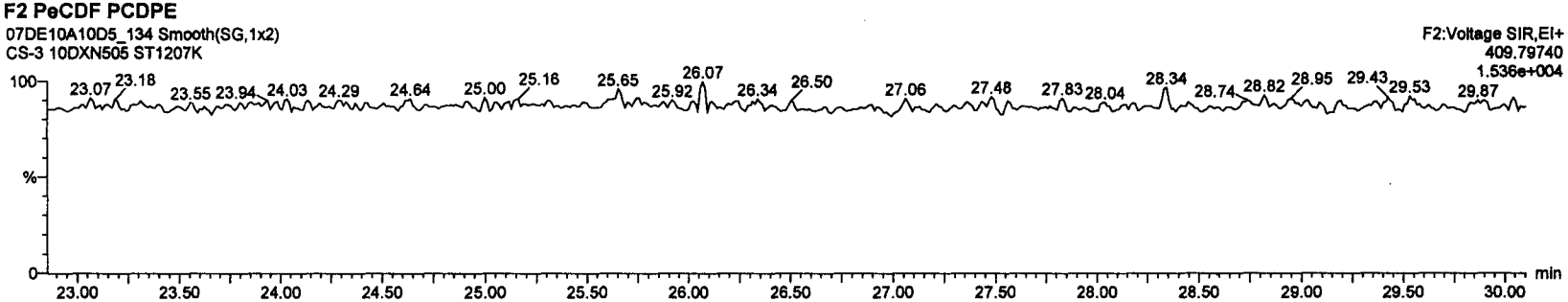
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

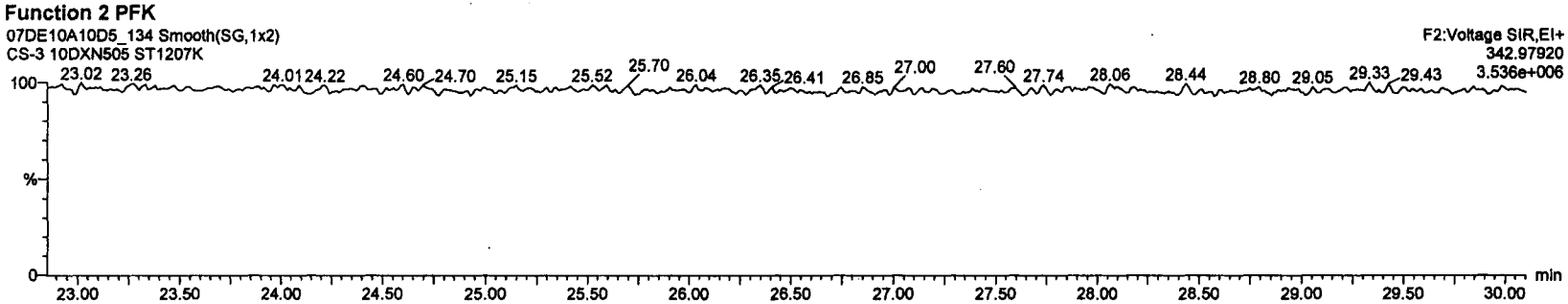
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



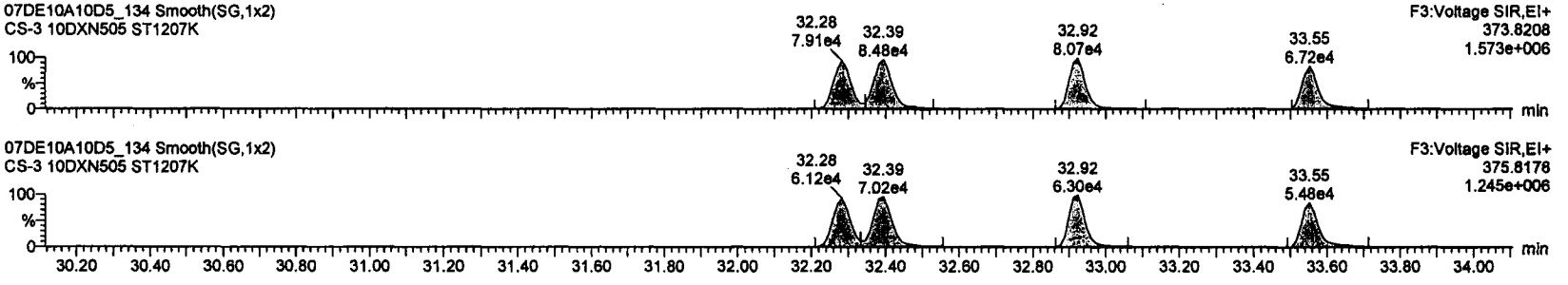
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

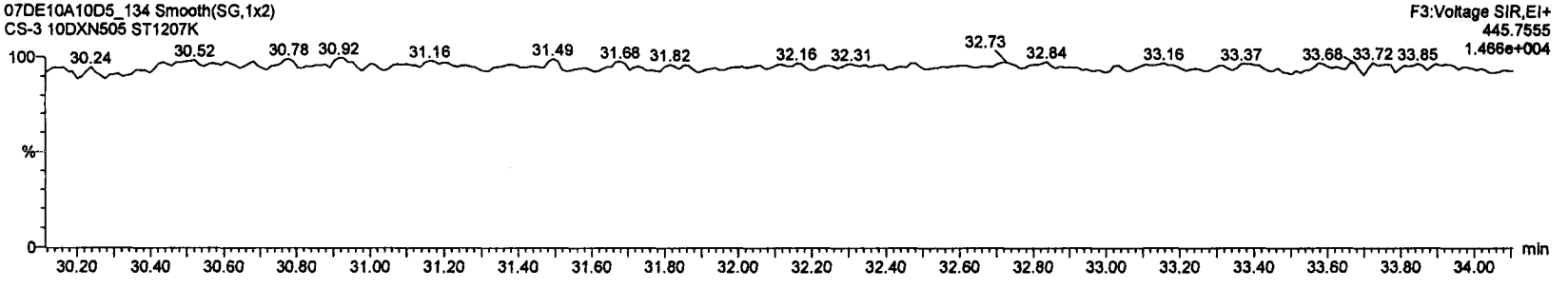
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

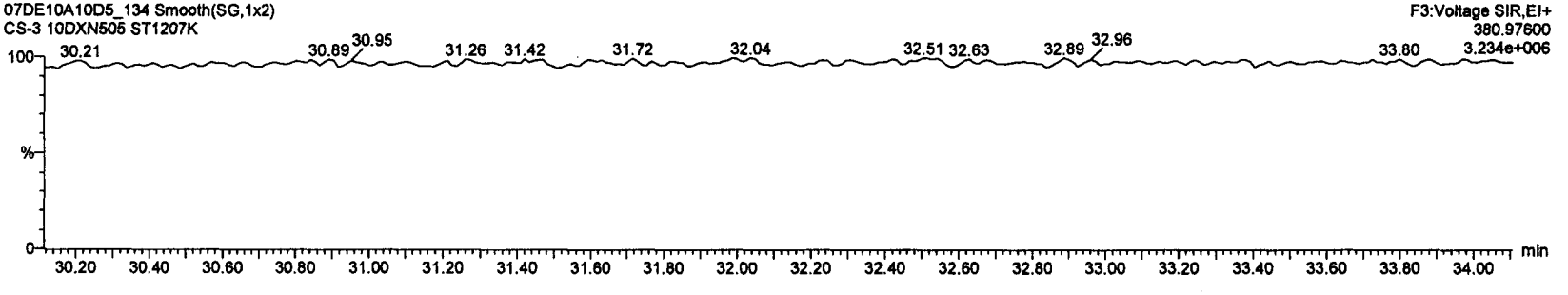
HxCDFs



HxCDF PCDPE



Function 3 PFK



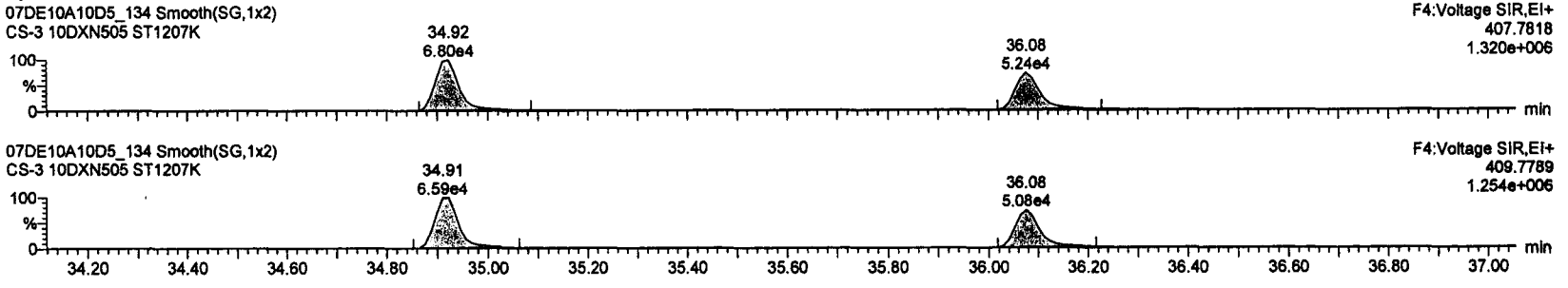
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

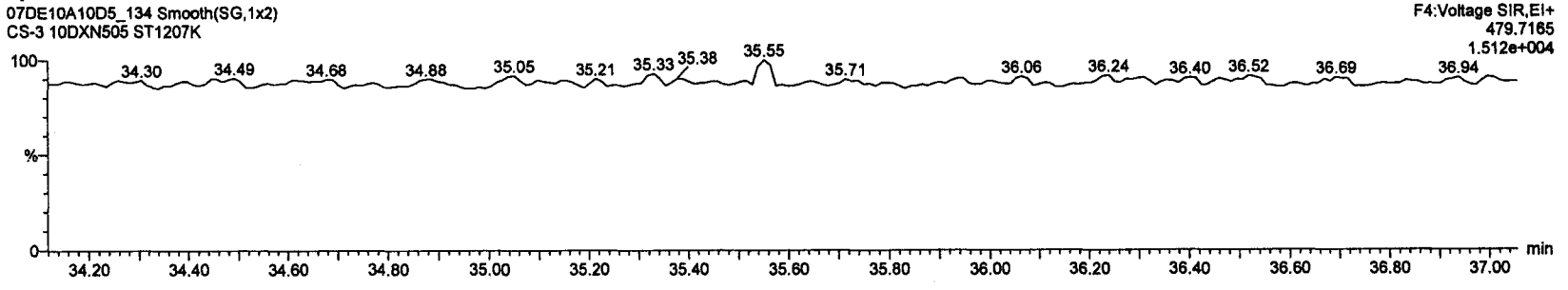
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

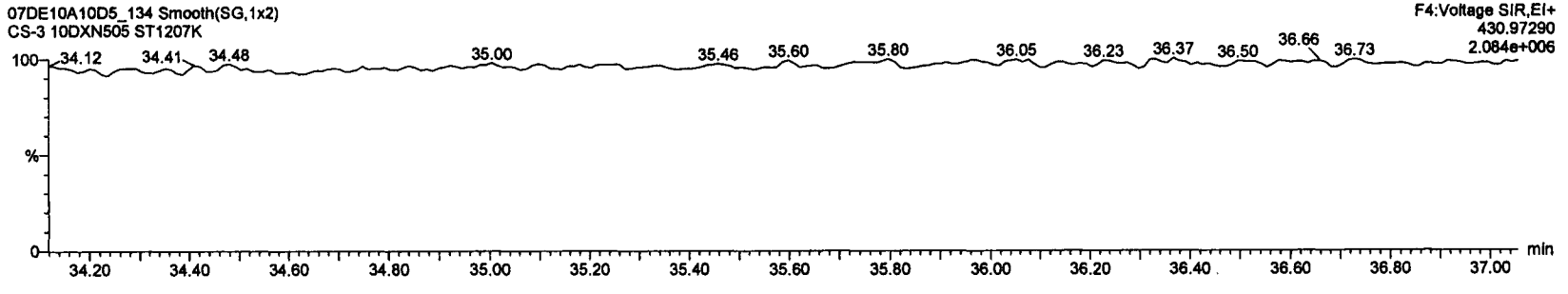
HpCDFs



HpCDF PCDPE



Function 4 PFK



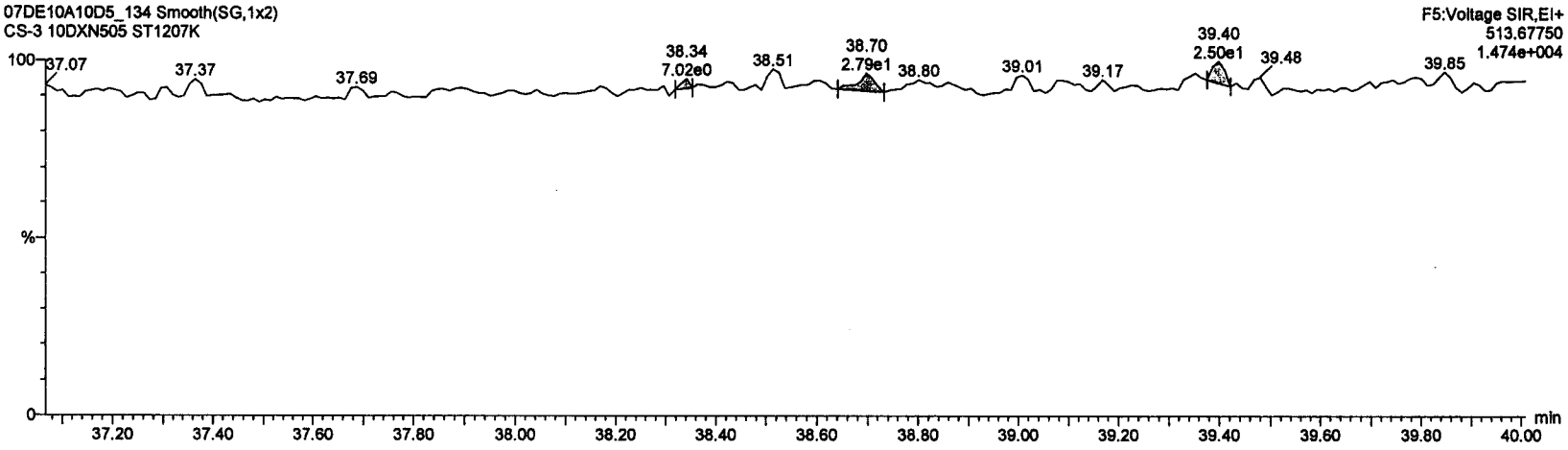
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\07DE10A10D5TO9J.qld

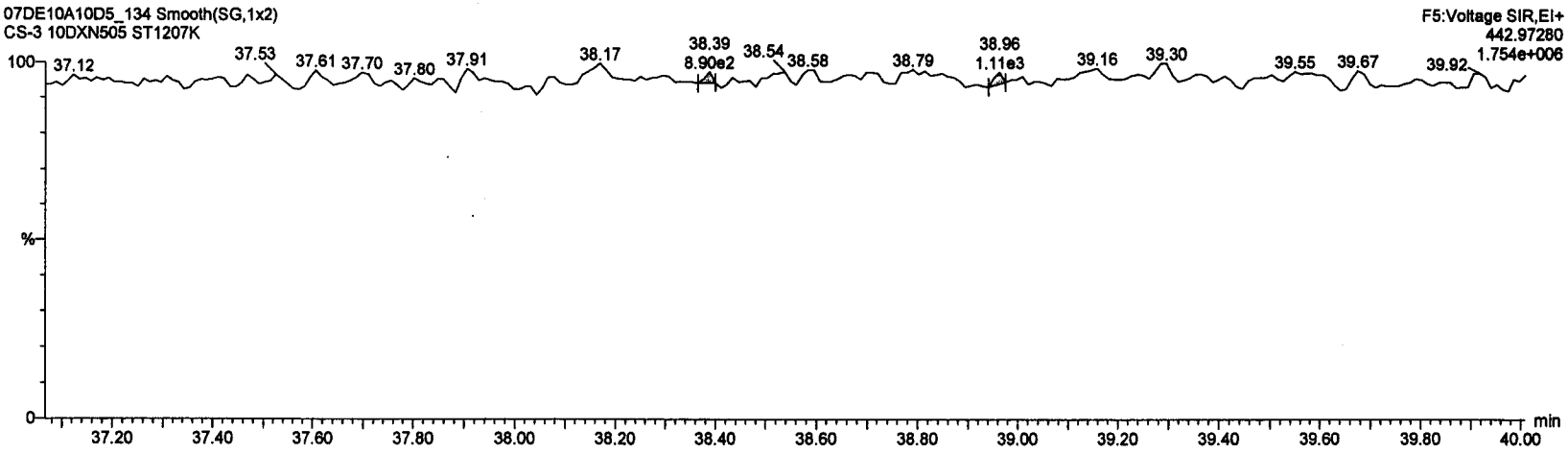
Last Altered: Monday, December 13, 2010 11:30:58 Pacific Standard Time
Printed: Monday, December 13, 2010 11:32:18 Pacific Standard Time

Name: 07DE10A10D5_134, Date: 11-Dec-2010, Time: 22:02:45, ID: ST1207K, Description: CS-3 10DXN505

OCDF PCDPE



Function 5 PFK



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID TO9 (TCDF only) **Associated ICAL** DB225AIR121410502

Column ID DB225 **Instrument ID** 502

STD ID ST1215, ST1215A **STD Solution** CS3 100XNS05

Analyzed by KSS **Date Analyzed** 12-15-10

Std. Pkg. By KSS **Date Std. Pkg. Assembled** 12-16-10

Std. Pkg. Reviewed By NK **Date Std. Pkg. Reviewed** 12-16-10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	① ✓	① ✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	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: ① ending CCV 30%D < ST1215A < 35%D (5x 13C-2,3,7,8-TCDF @ +35%D) See NCM #07-0118165
Ave RRF = 2.545

* **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: ST1215 File text: ST1215 :CS3 10DXN505
Run #6 Filename 15DE105D2 S: 2 I: 1
Acquired: 15-DEC-10 09:50:01 Processed: 15-DEC-10 16:48:41
Run: 15DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2 Results: 15DE105D2DB225AIR

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	115147100	0.80	y	15:09	-	100.00	-	n
13C-2,3,7,8-TCDF	270973000	0.78	y	16:22	2.35	100.00	16.3	n
2,3,7,8-TCDF	24853600	0.72	y	16:23	0.92	10.00	-9.4	n
13C-2,3,7,8-TCDD	115566700	0.78	y	14:50	1.00	100.00	1.9	n
2,3,7,8-TCDD	19265470	0.78	y	14:52	1.67	10.00	6.7	n
37Cl-2,3,7,8-TCDD	20398200	1.00	y	14:52	1.77	10.00	-0.5	n

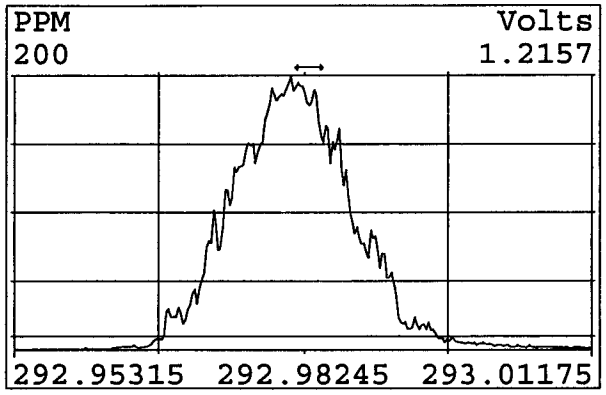
Run text: ST1215A File text: ST1215A :CS3 10DXN505
Run #9 Filename 15DE105D2 S: 19 I: 1
Acquired: 15-DEC-10 20:08:01 Processed: 16-DEC-10 10:59:15
Run: 15DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2 Results: 15DE105D2DB225AIR

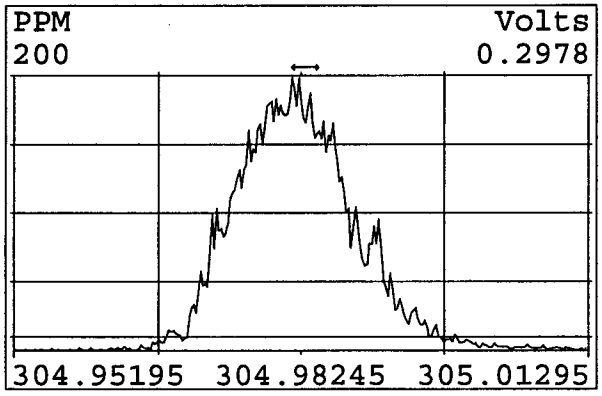
Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	55967110	0.79	y	15:06	-	100.00	-	n
13C-2,3,7,8-TCDF	153258256	0.79	y	16:18	2.74	100.00	35.4	n
2,3,7,8-TCDF	15571349	0.76	y	16:20	1.02	10.00	0.4	n
13C-2,3,7,8-TCDD	54629376	0.80	y	14:47	0.98	100.00	-0.9	n
2,3,7,8-TCDD	10368598	0.83	y	14:48	1.90	10.00	21.5	n
37Cl-2,3,7,8-TCDD	9881012	1.00	y	14:48	1.81	10.00	2.0	n

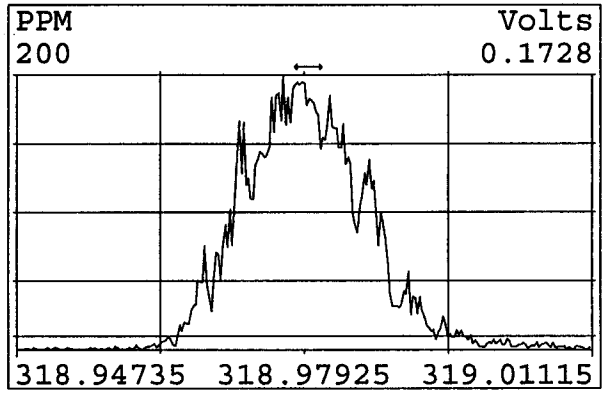
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
15DE105D2	1	CP1215	DB-225 CPSM 3732-11				1.0000	
15DE105D2	2	ST1215	CS3 10DXN505				1.0000	
15DE105D2	3	LOD/LOQ-MB	1613BWW-MB (572-MB)	20	1613B/WATER	19	1.0000	L
15DE105D2	4	MAE46 -1-AA	G0K200489-1MB	20	8290/SOLID	37	10.0000	g
15DE105D2	5	1613BWW-LOD1	1613BWW-LOD1-11/17/10	~~20~~ 40	1613B/WATER		2.0000	L
15DE105D2	6	1613BWW-LOD2	1613BWW-LOD2-11/17/10	~~20~~ 40	1613B/WATER		2.0000	L
15DE105D2	7	1613BWW-LOD3	1613BWW-LOD3-11/17/10	~~20~~ 40	1613B/WATER		2.0000	L
15DE105D2	8	1613BWW-LOQ	1613BWW-LOQ-11/17/10	~~20~~ 40	1613B/WATER		2.0000	L
15DE105D2	9	MAWFA-1-AA	G0L040465-9	20	TO9/AIR	34	0.5000	SAM
15DE105D2	10	MADK6-1-AC	G0K200489-1 12/16/10 KSS	20	8290/SOLID	37	4.1260	g
15DE105D2	11	MADK6-1-AE	G0K200489-1MS	20	8290/SOLID		4.2580	g
15DE105D2	12	MADK6-1-AF	G0K200489-1MSD	20	8290/SOLID		4.0840	g
15DE105D2	13	MADK7-1-AA	G0K200489-2	20	8290/SOLID		8.1280	g
15DE105D2	14	MADK8-1-AA	G0K200489-3	20	8290/SOLID		8.1760	g
15DE105D2	15	MADK9-1-AA	G0K200489-4	20	8290/SOLID		0.6195	g
15DE105D2	16	MADLA-1-AA	G0K200489-5	20	8290/SOLID		2.0560	g
15DE105D2	17	MADLC-1-AA	G0K200489-6	20	8290/SOLID		1.6008	g
15DE105D2	18	SB1215	Solvent Blank C-14				1.0000	
15DE105D2	19	ST1215A	CS3 10DXN505				1.0000	
15DE105D2	20						1.0000	
15DE105D2	21						1.0000	
15DE105D2	22						1.0000	
15DE105D2	23						1.0000	
15DE105D2	24		KSS 12-15-10				1.0000	
15DE105D2	25						1.0000	

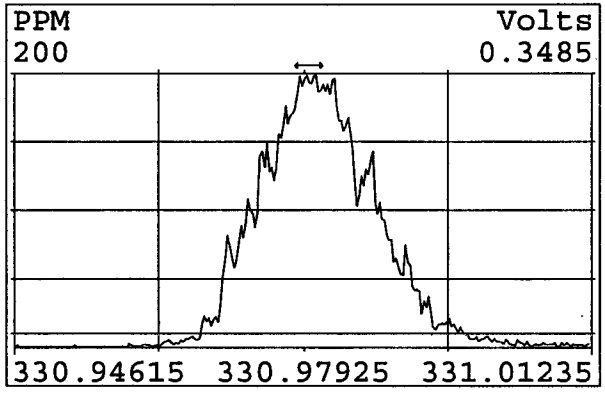
log file reviewed
12-15-10 am

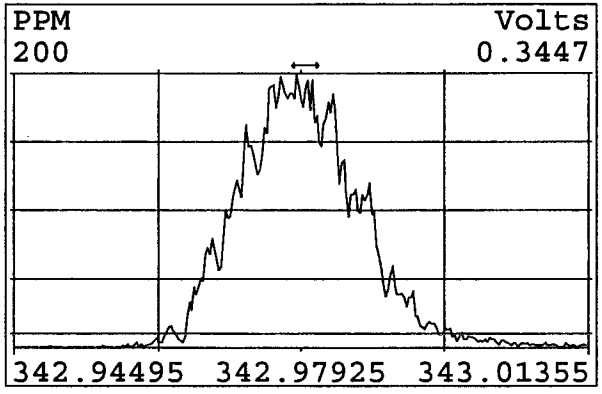
Peak Locate Examination:15-DEC-2010:09:10 File:15DE105D2
Experiment:DB225RES Function:1 Reference:PFK

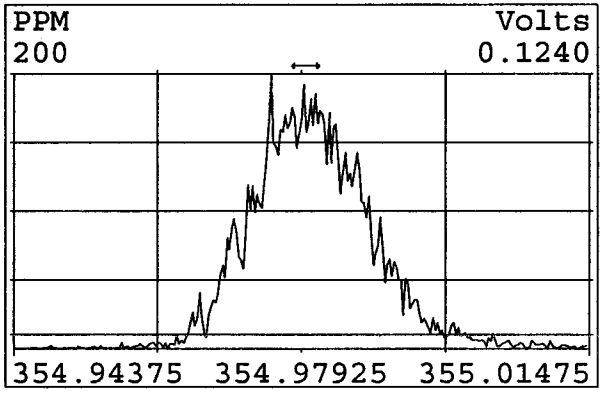


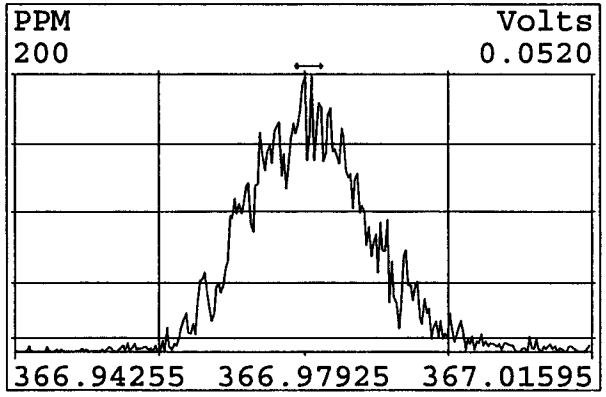


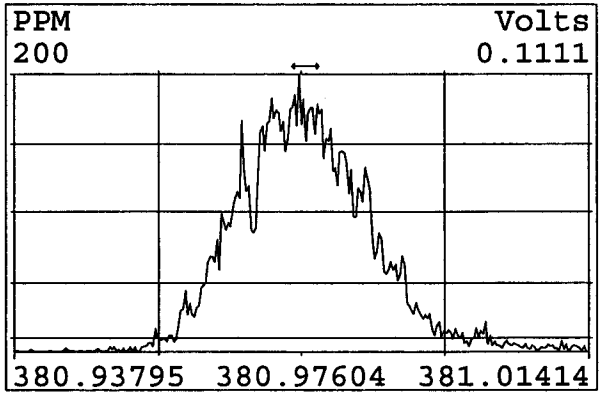




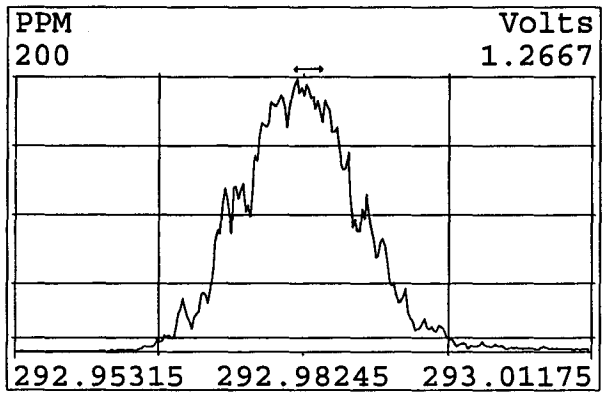


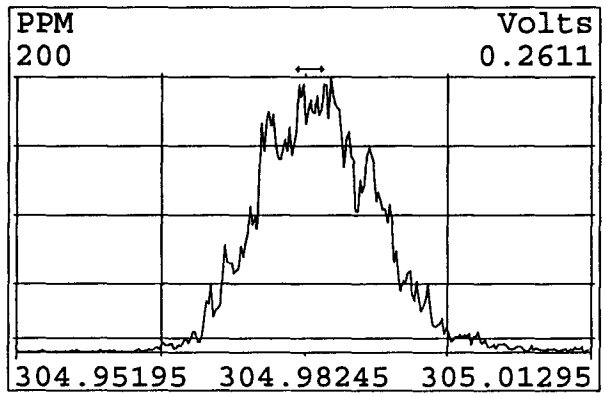


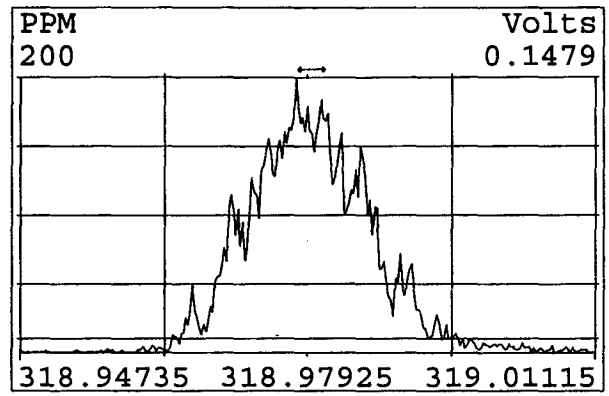


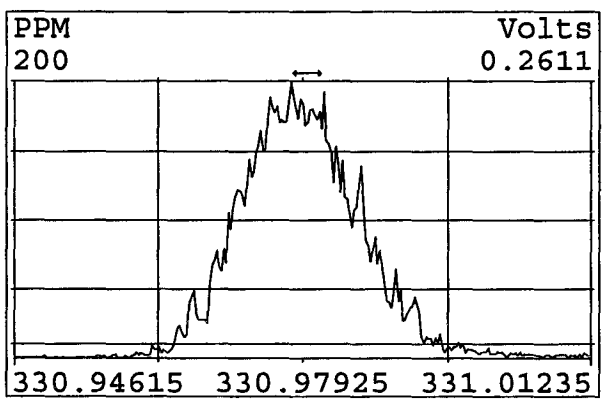


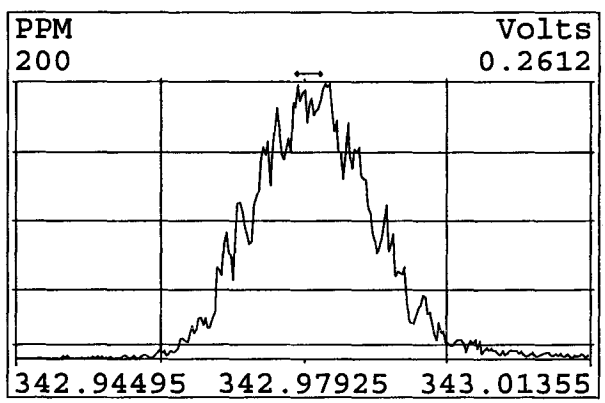
Peak Locate Examination:15-DEC-2010:20:55 File:RESCHK15DE105D2
Experiment:DB225RES Function:1 Reference:PFK

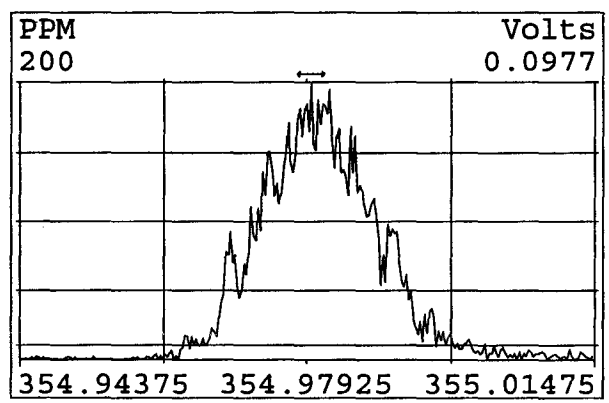


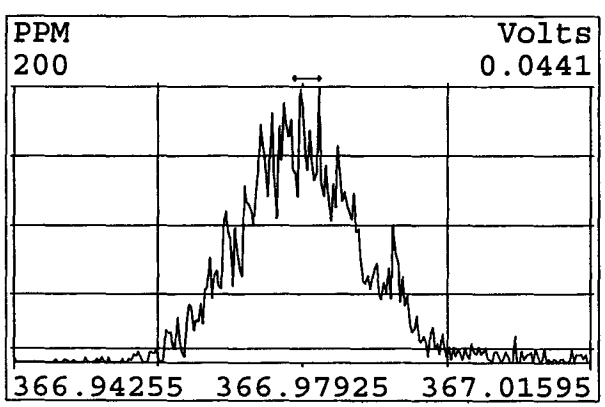


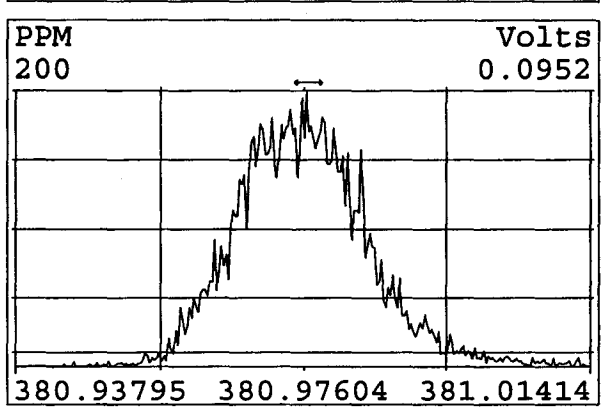


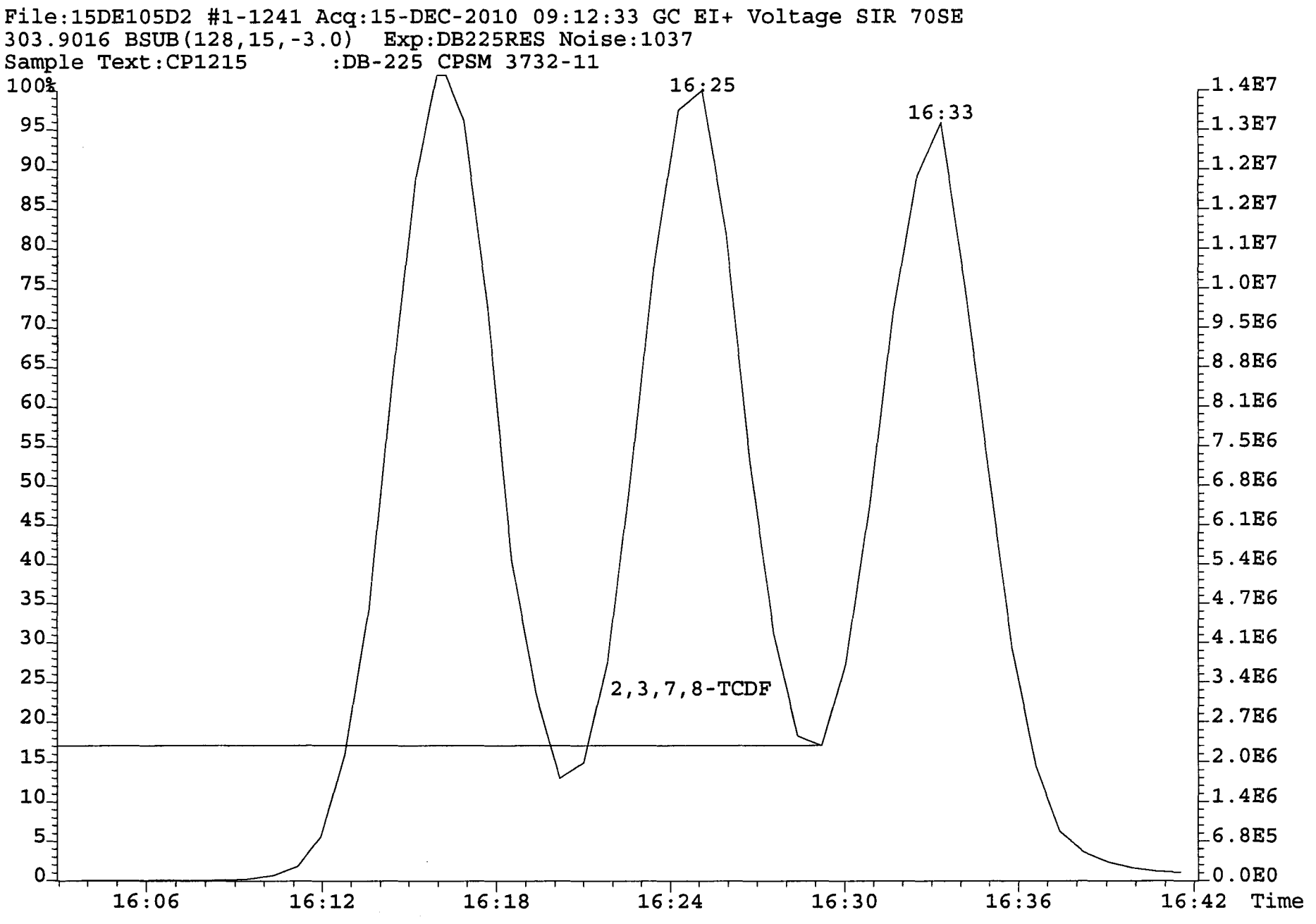










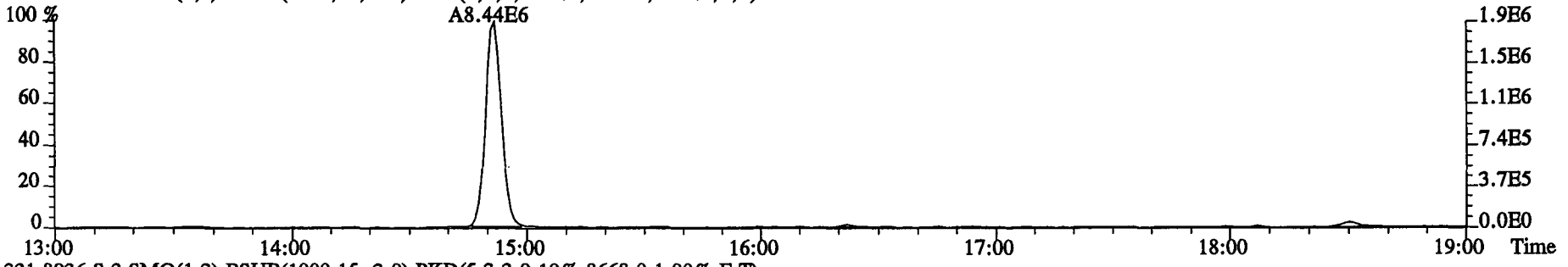

File:15DE105D2 #1-1241 Acq:15-DEC-2010 09:12:33 GC EI+ Voltage SIR 70SE
303.9016 BSUB(128,15,-3.0) Exp:DB225RES Noise:1037
Sample Text:CP1215 :DB-225 CPSM 3732-11
16:25
16:33
2,3,7,8-TCDF
100%
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1.4E7
1.3E7
1.2E7
1.2E7
1.1E7
1.0E7
9.5E6
8.8E6
8.1E6
7.5E6
6.8E6
6.1E6
5.4E6
4.7E6
4.1E6
3.4E6
2.7E6
2.0E6
1.4E6
6.8E5
0.0E0
16:06
16:12
16:18
16:24
16:30
16:36
16:42
Time

Run: 15DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2

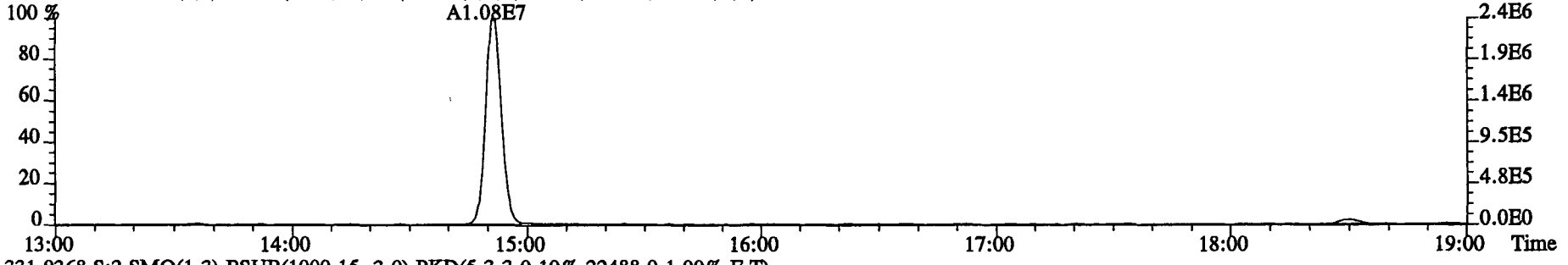
ST1214 :10DXN503 CS11214 KSS ST1214A :10DXN504 CS21214A ╗ ST1214B :10DXN505 CS31414B ╗
ST1214C :10DXN506 CS41214C ╗ ST1214D :10DXN507 CS51214D ╗

				14DE10B5D2	14DE10B5D2	14DE10B5D2	14DE10B5D2	14DE10B5D2
				S3	S4	S5	S6	S7
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.023	0.106	5.26 %	1.92	2.07	2.18	2.00	1.94
2,3,7,8-TCDF	1.012	0.027	2.71 %	1.04	1.03	0.98	1.01	1.00
13C-2,3,7,8-TCDD	0.985	0.061	6.17 %	0.99	1.01	1.05	0.99	0.89
2,3,7,8-TCDD	1.562	0.050	3.20 %	1.59	1.61	1.54	1.59	1.48
37Cl-2,3,7,8-TCDD	1.774	0.040	2.28 %	1.76	1.84	1.76	1.79	1.73

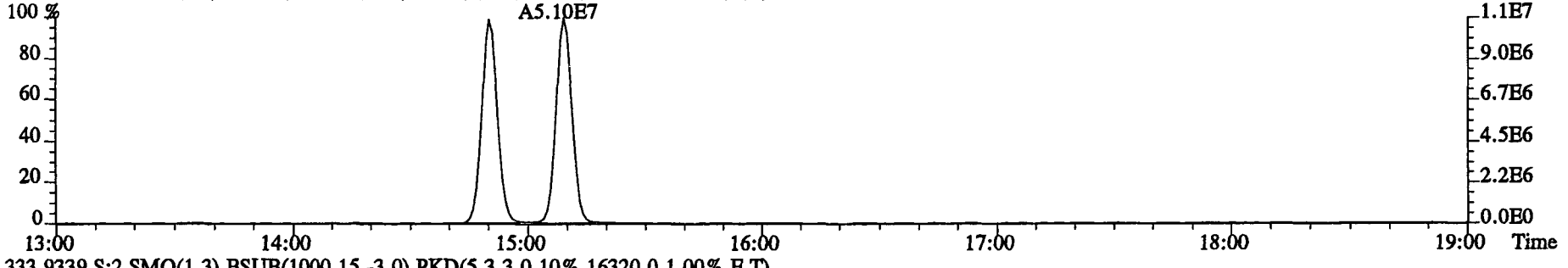
File:15DE105D2 #1-1242 Acq:15-DEC-2010 09:50:01 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1215 :CS3 10DXN505 Exp:DB225RES
319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6928.0,1.00%,F,T)



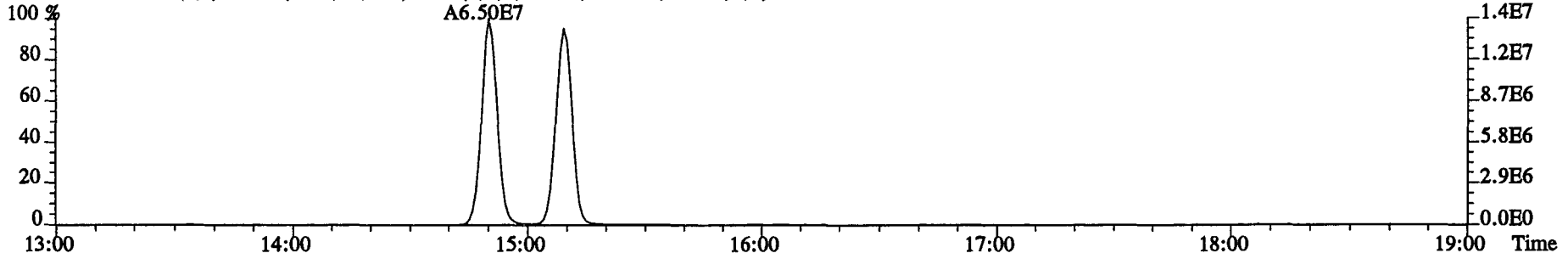
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8668.0,1.00%,F,T)



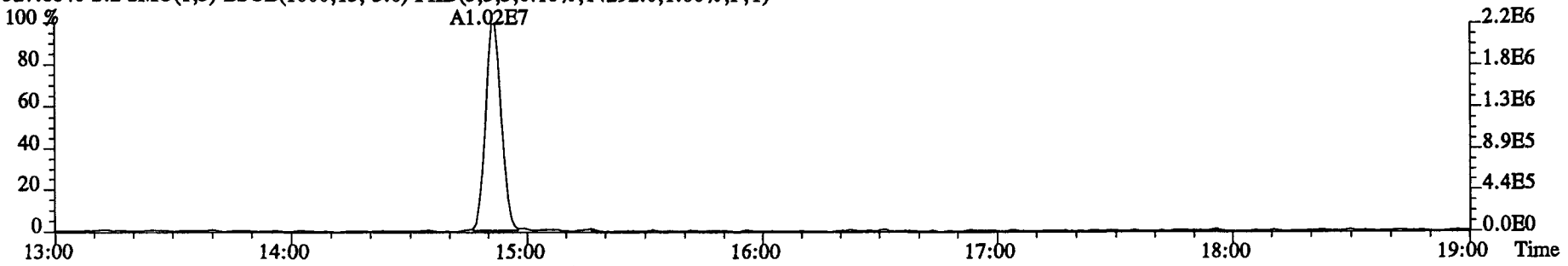
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22488.0,1.00%,F,T)



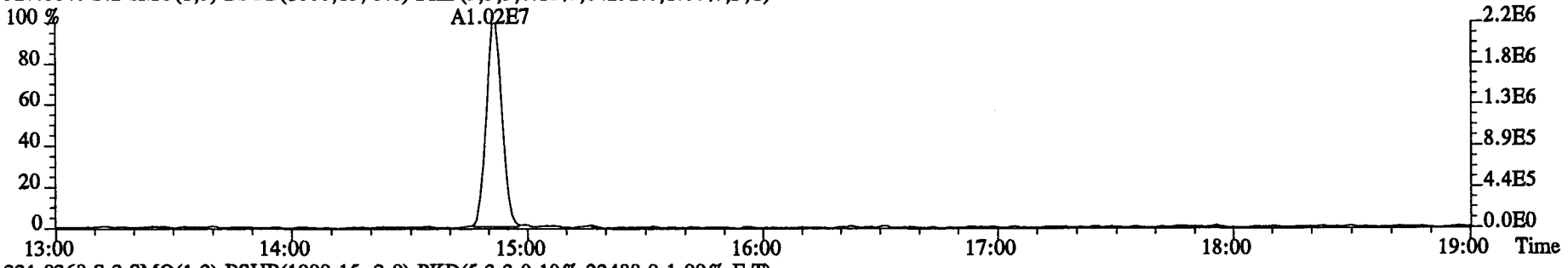
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16320.0,1.00%,F,T)



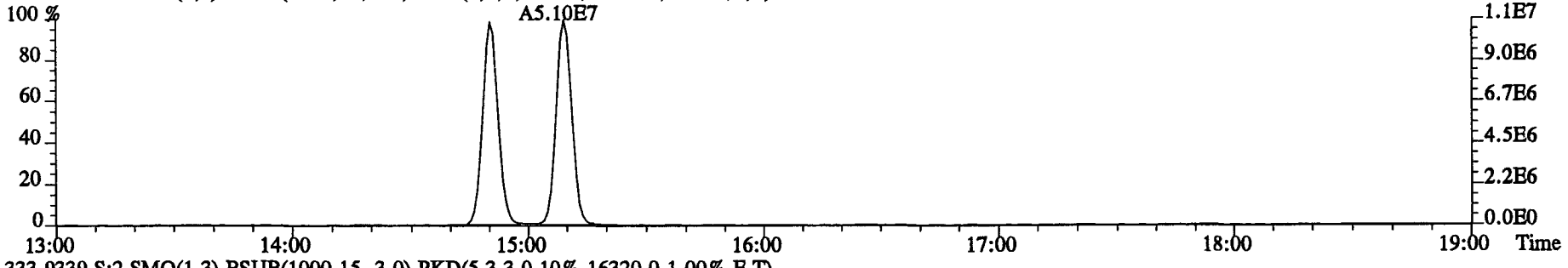
File:15DE105D2 #1-1242 Acq:15-DEC-2010 09:50:01 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1215 :CS3 10DXN505 Exp:DB225RES
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14292.0,1.00%,F,T)



327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14292.0,1.00%,F,T)

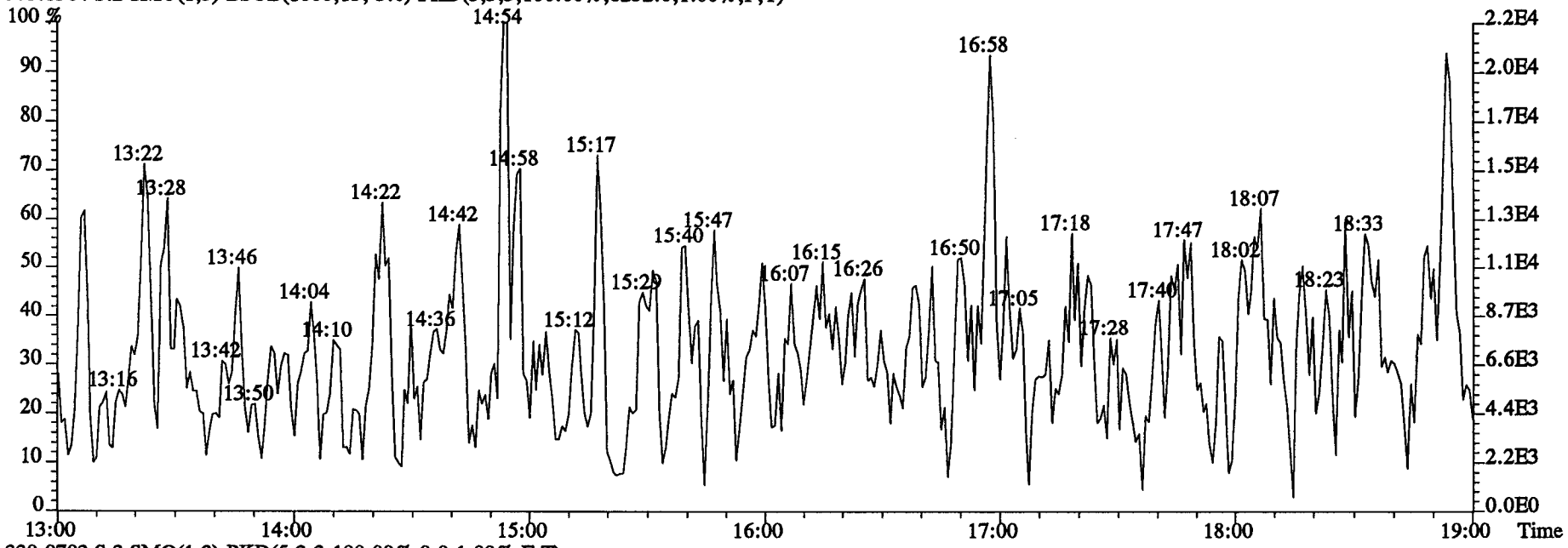


331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22488.0,1.00%,F,T)

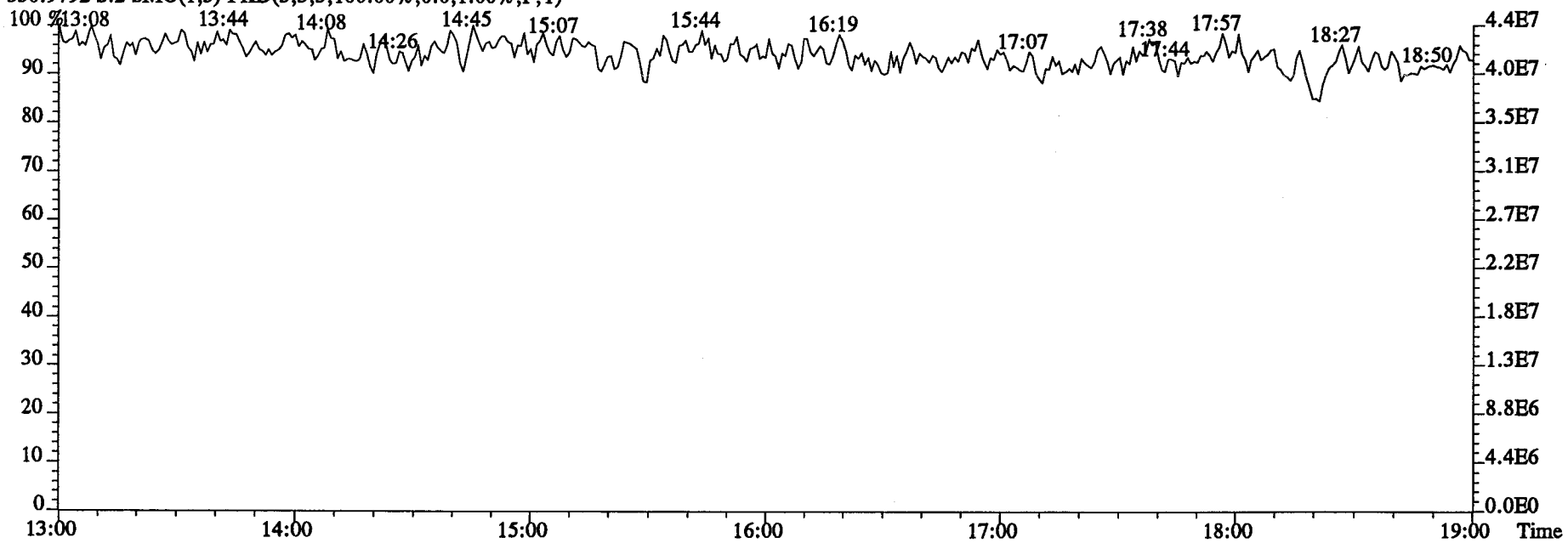


333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16320.0,1.00%,F,T)

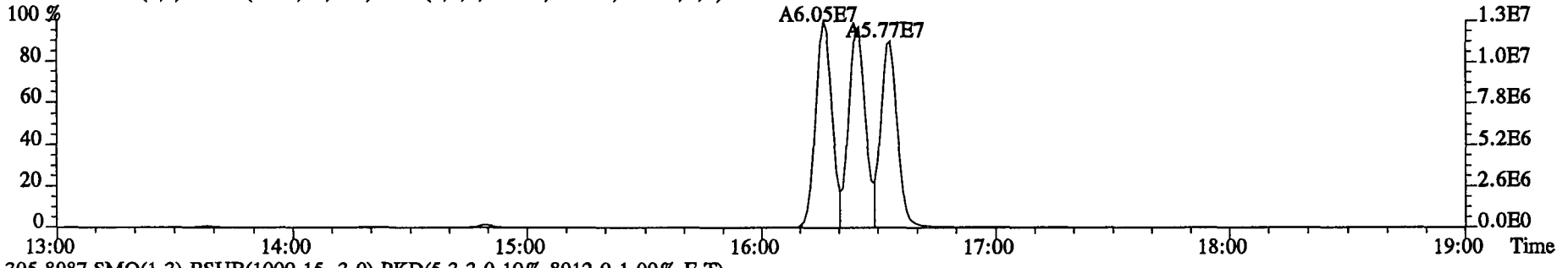
File:15DE105D2 #1-1242 Acq:15-DEC-2010 09:50:01 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1215 :CS3 10DXN505 Exp:DB225RES
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,8252.0,1.00%,F,T)



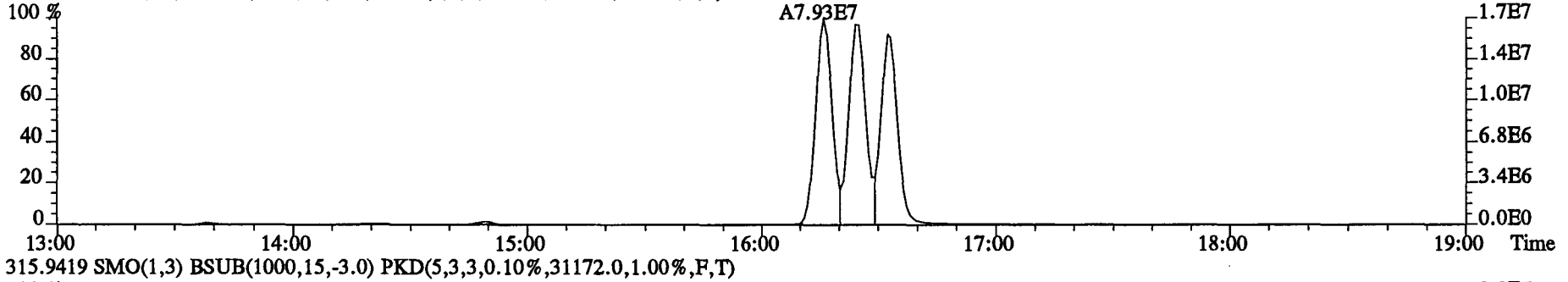
330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



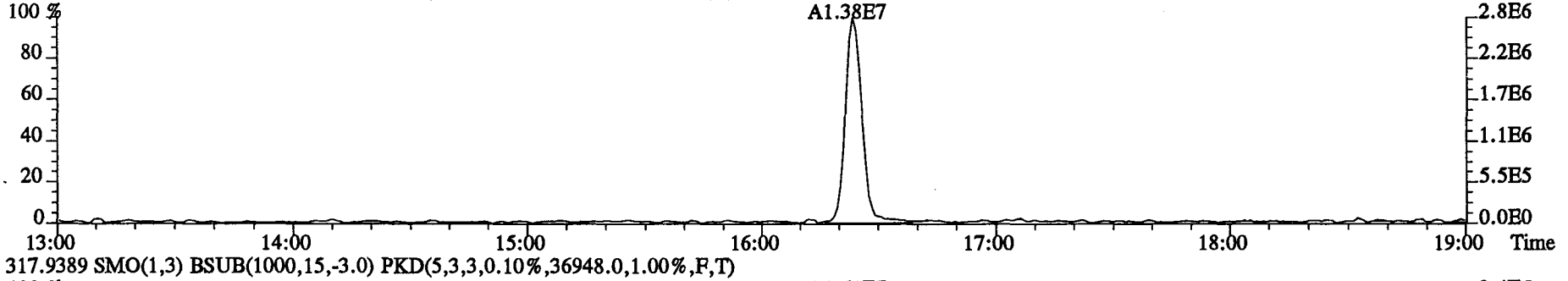
File:15DE105D2 #1-1241 Acq:15-DEC-2010 09:12:33 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1215 :DB-225 CPSM 3732-11 Exp:DB225RES
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6444.0,1.00%,F,T)



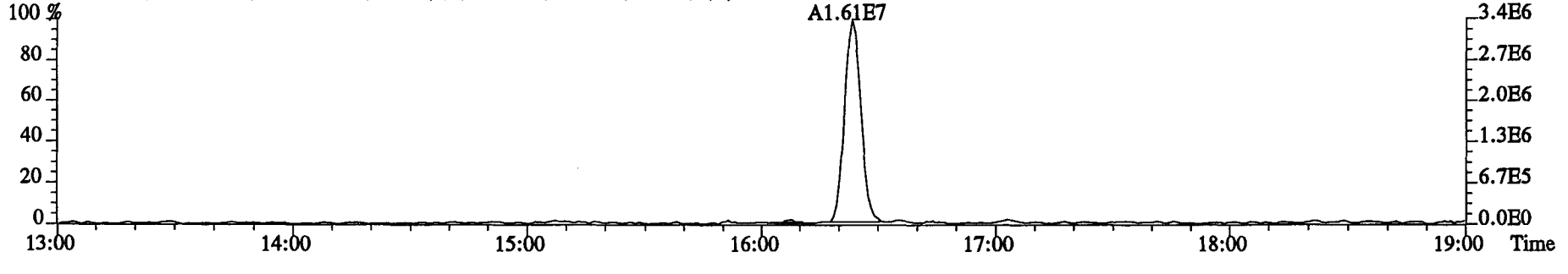
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8012.0,1.00%,F,T)



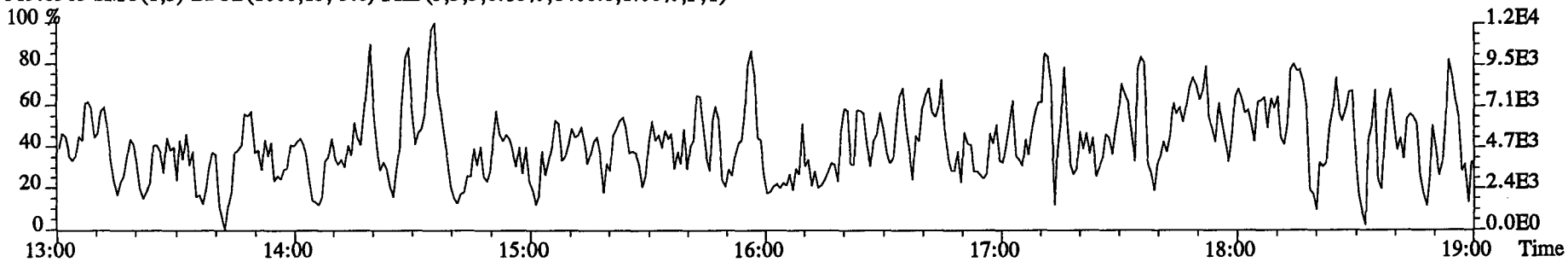
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31172.0,1.00%,F,T)



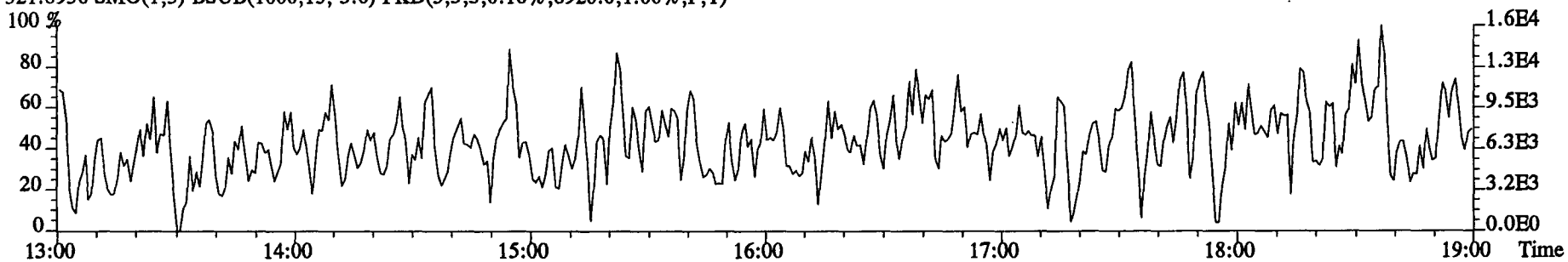
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36948.0,1.00%,F,T)



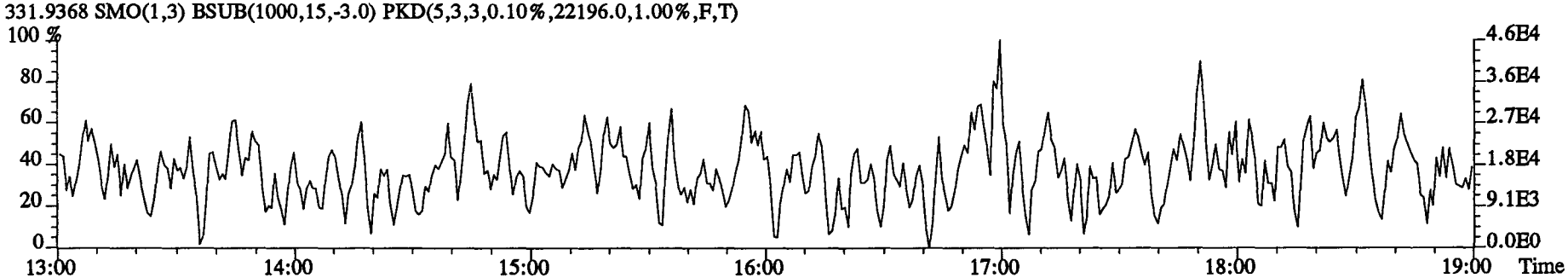
File:15DE105D2 #1-1241 Acq:15-DEC-2010 09:12:33 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1215 :DB-225 CPSM 3732-11 Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6408.0,1.00%,F,T)



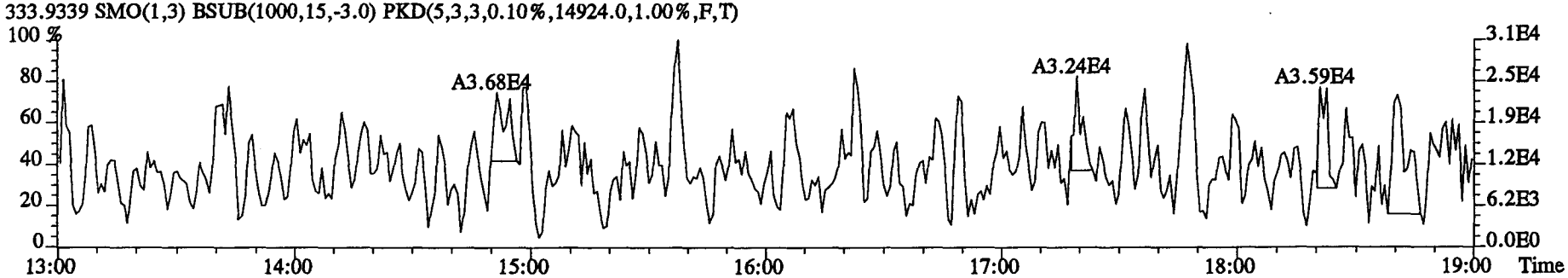
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8920.0,1.00%,F,T)



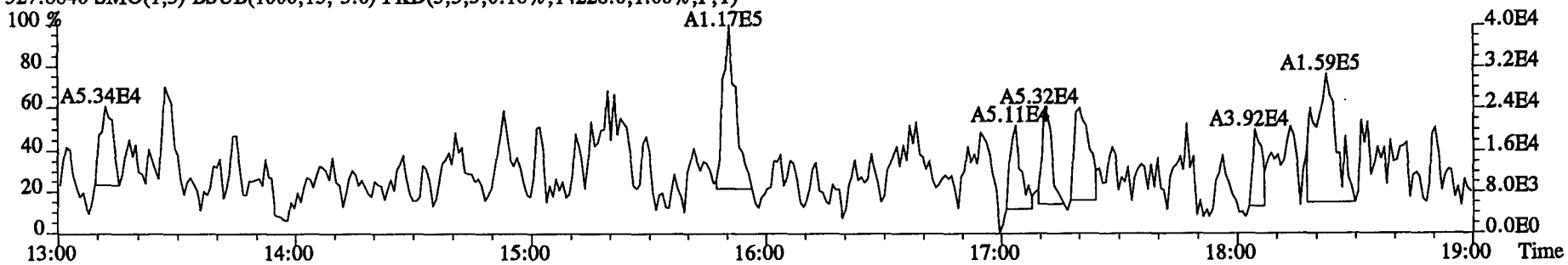
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22196.0,1.00%,F,T)



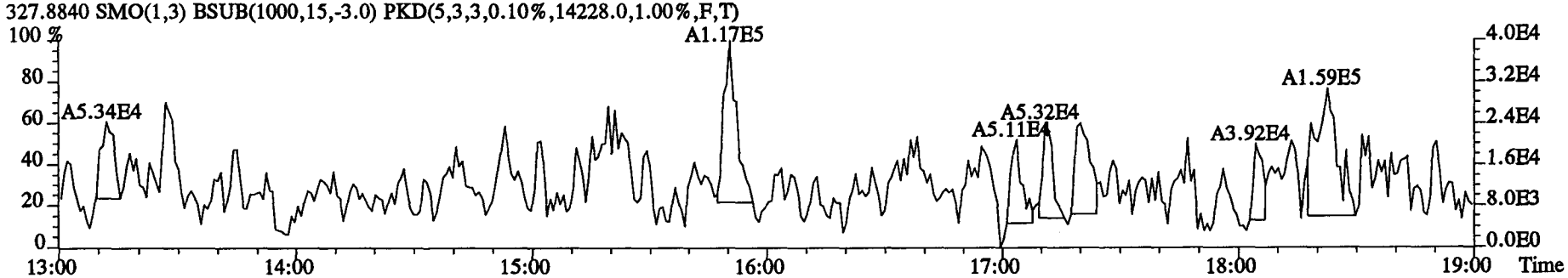
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14924.0,1.00%,F,T)



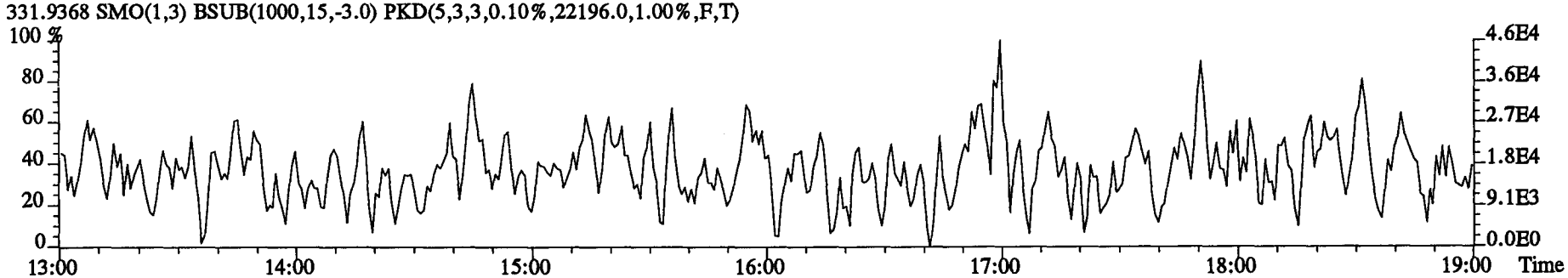
File:15DE105D2 #1-1241 Acq:15-DEC-2010 09:12:33 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1215 :DB-225 CPSM 3732-11 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14228.0,1.00%,F,T)



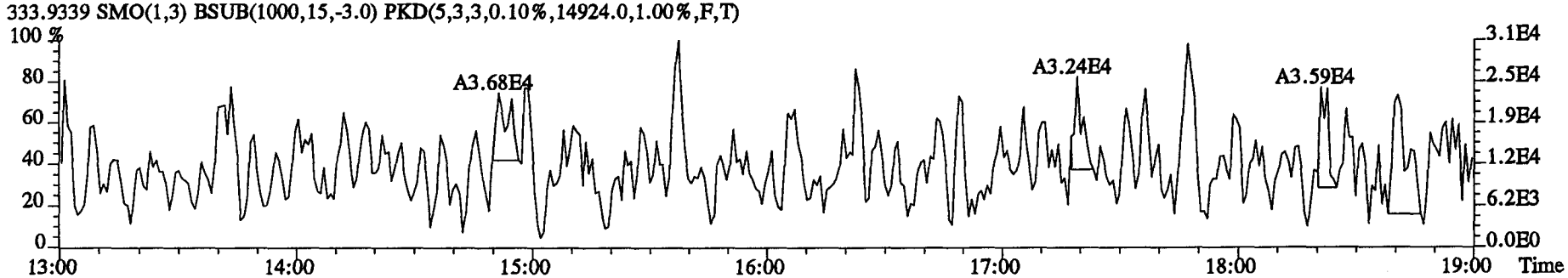
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14228.0,1.00%,F,T)



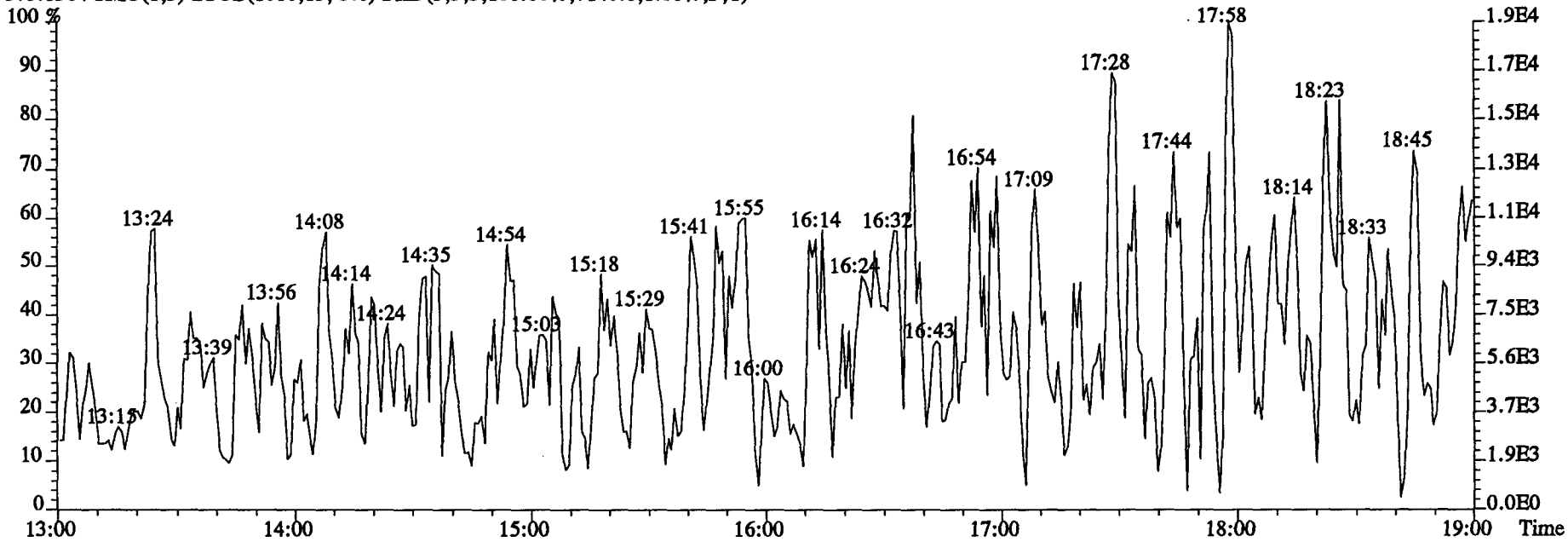
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22196.0,1.00%,F,T)



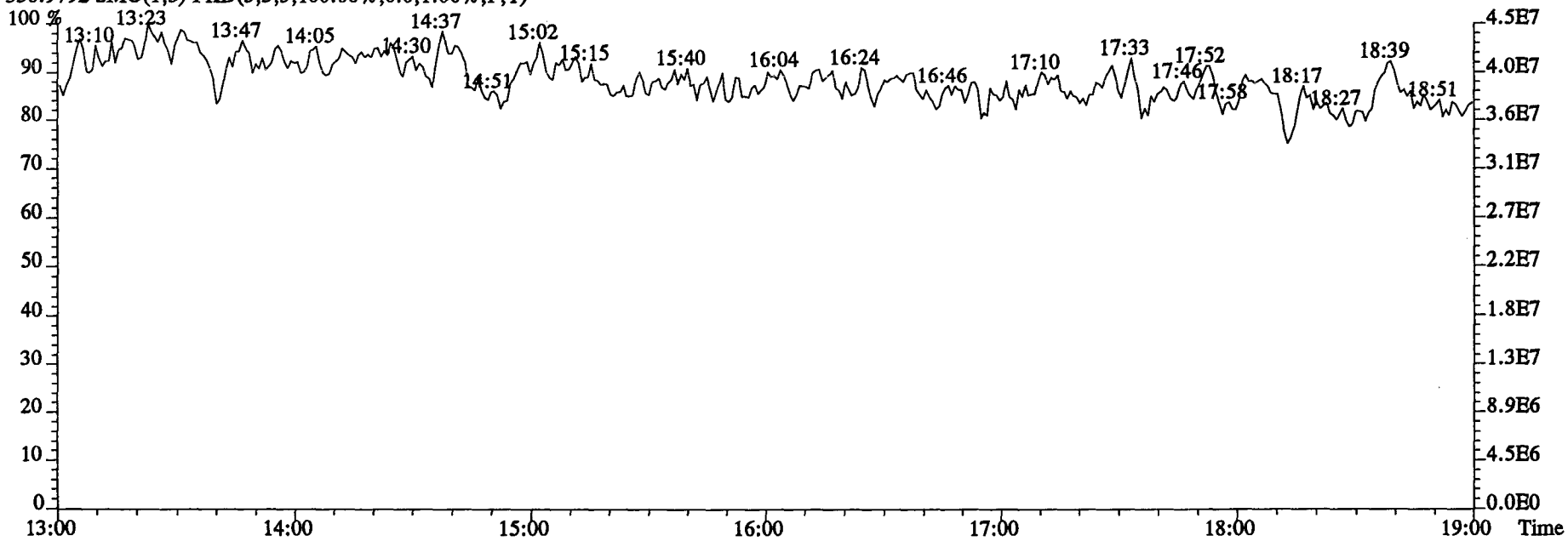
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14924.0,1.00%,F,T)



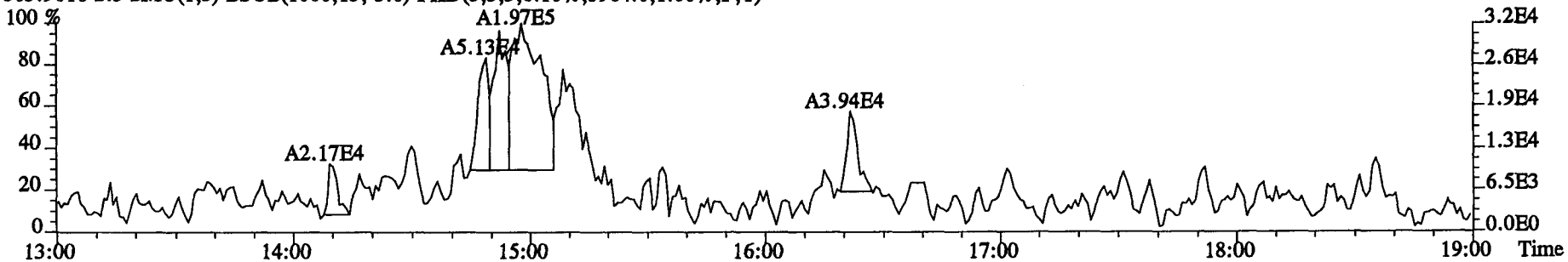
File:15DE105D2 #1-1241 Acq:15-DEC-2010 09:12:33 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1215 :DB-225 CPSM 3732-11 Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7140.0,1.00%,F,T)



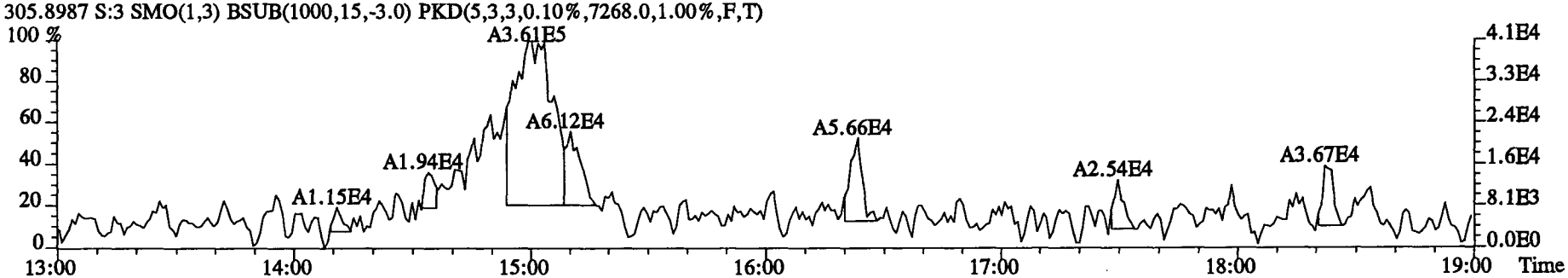
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



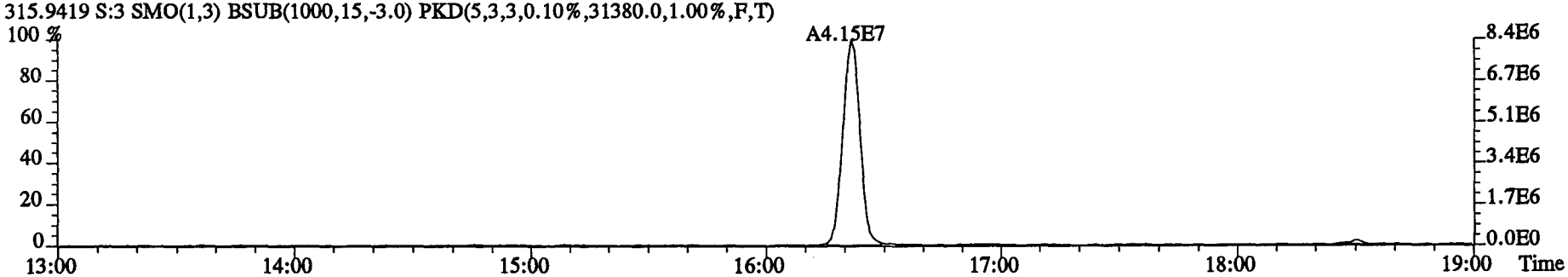
File:15DE105D2 #1-1242 Acq:15-DEC-2010 10:26:13 GC EI+ Voltage SIR 70SE
Sample#3 Text:LOD/LOQ-MB :1613BWW-MB (572-MB) Exp:DB225RES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5964.0,1.00%,F,T)



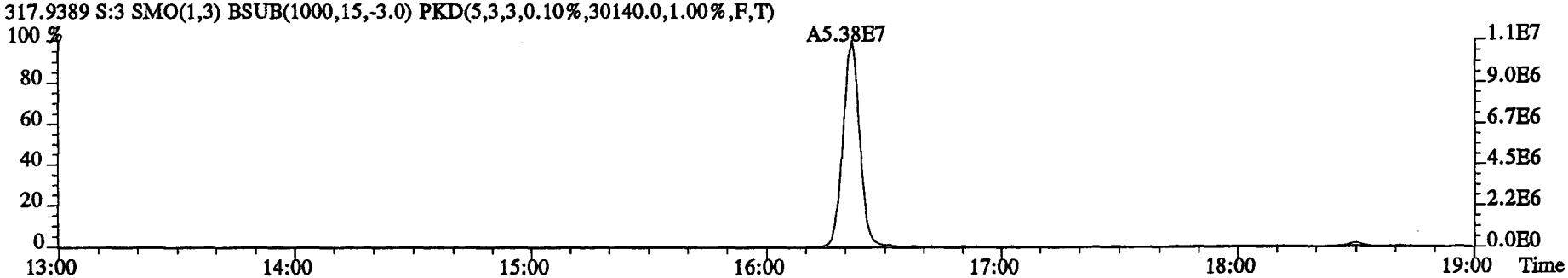
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7268.0,1.00%,F,T)



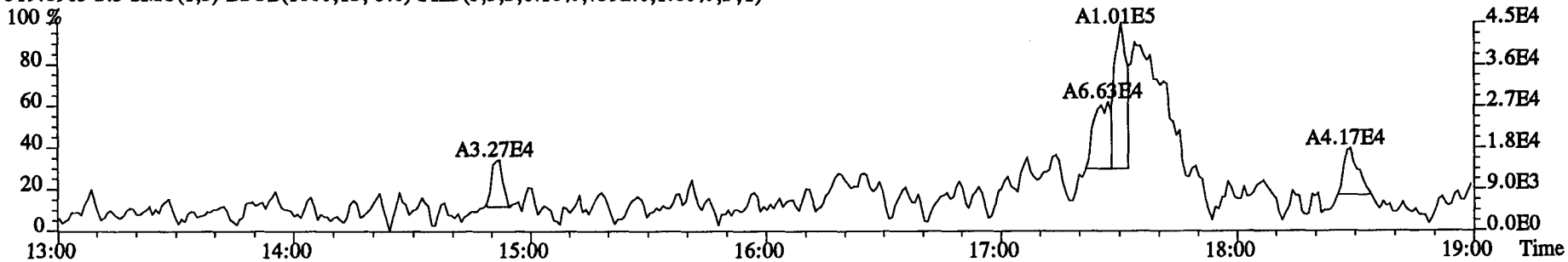
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31380.0,1.00%,F,T)



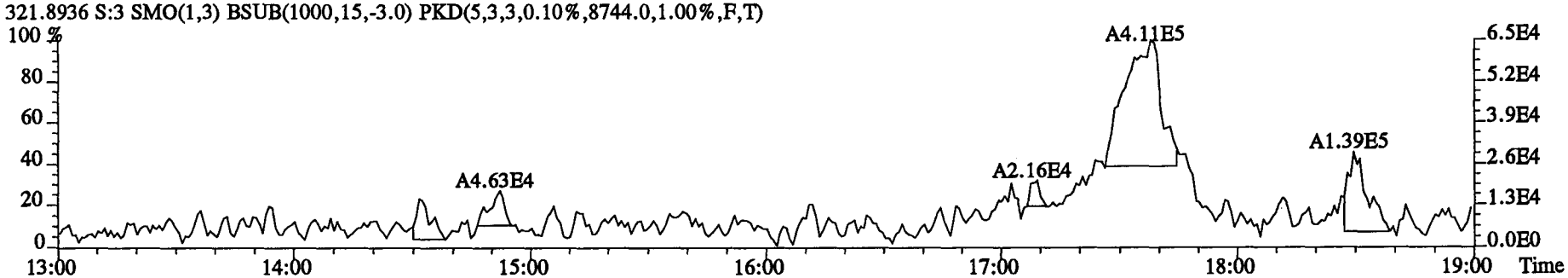
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30140.0,1.00%,F,T)



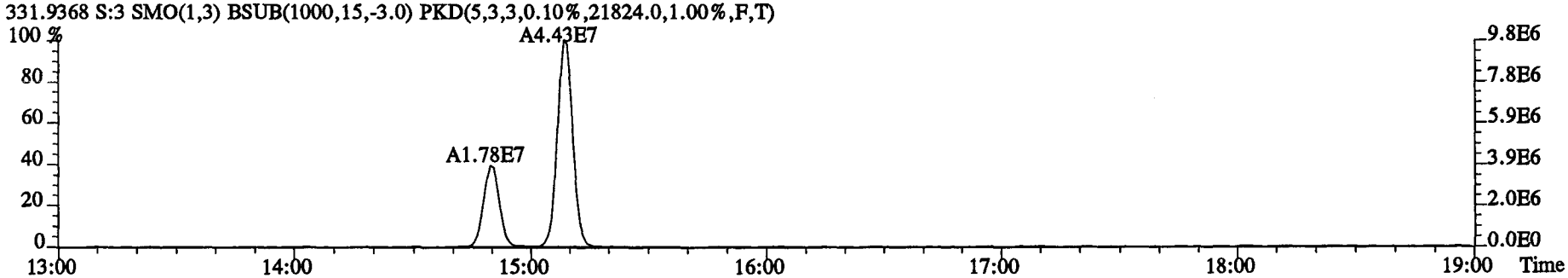
File:15DE105D2 #1-1242 Acq:15-DEC-2010 10:26:13 GC EI+ Voltage SIR 70SE
Sample#3 Text:LOD/LOQ-MB :1613BWW-MB (572-MB) Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7392.0,1.00%,F,T)



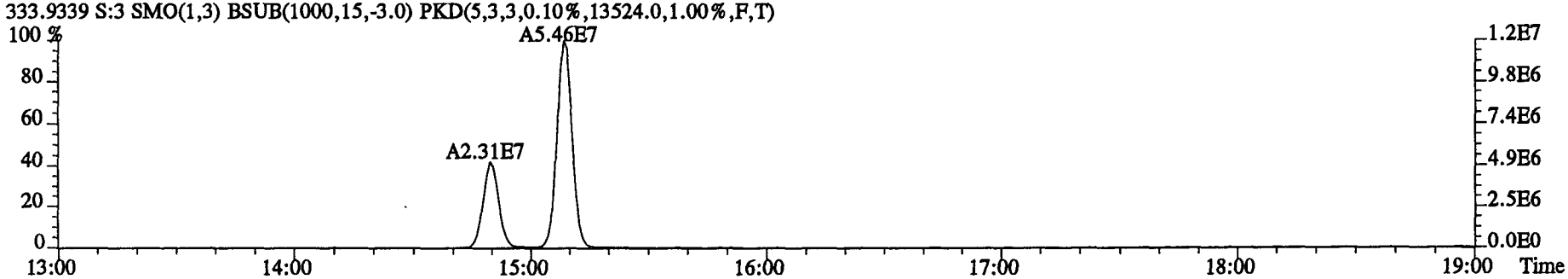
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8744.0,1.00%,F,T)



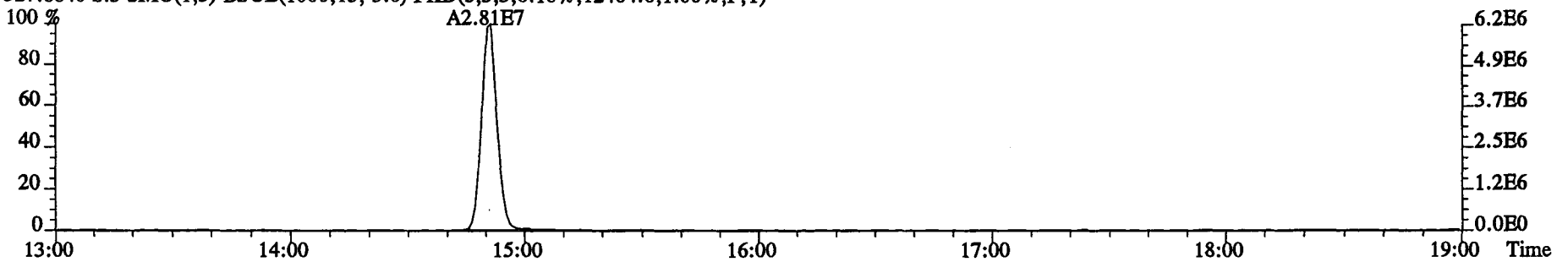
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21824.0,1.00%,F,T)



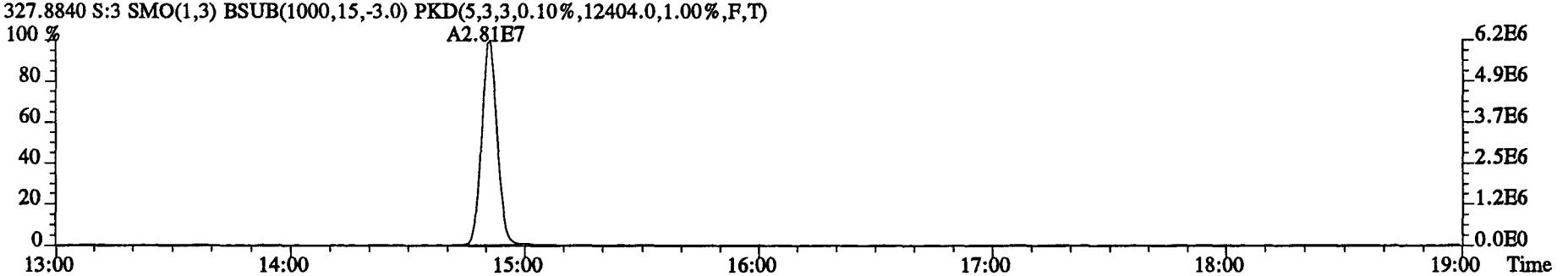
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13524.0,1.00%,F,T)



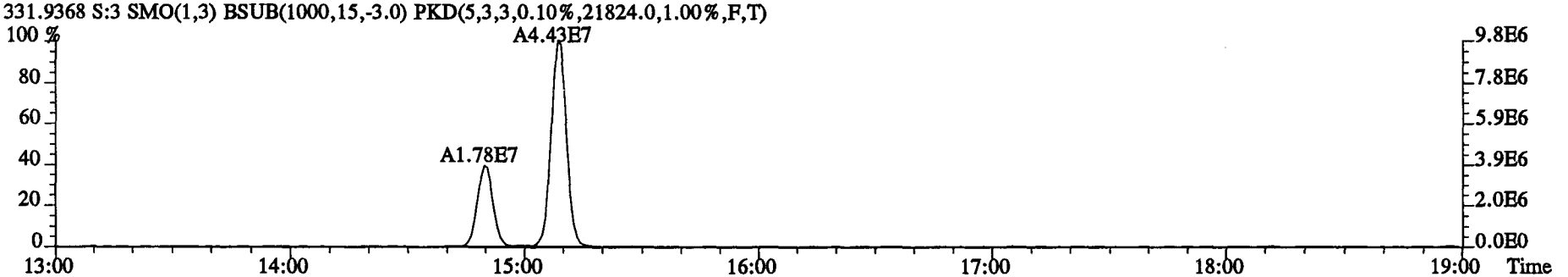
File:15DE105D2 #1-1242 Acq:15-DEC-2010 10:26:13 GC EI+ Voltage SIR 70SE
Sample#3 Text:LOD/LOQ-MB :1613BWW-MB (572-MB) Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12404.0,1.00%,F,T)



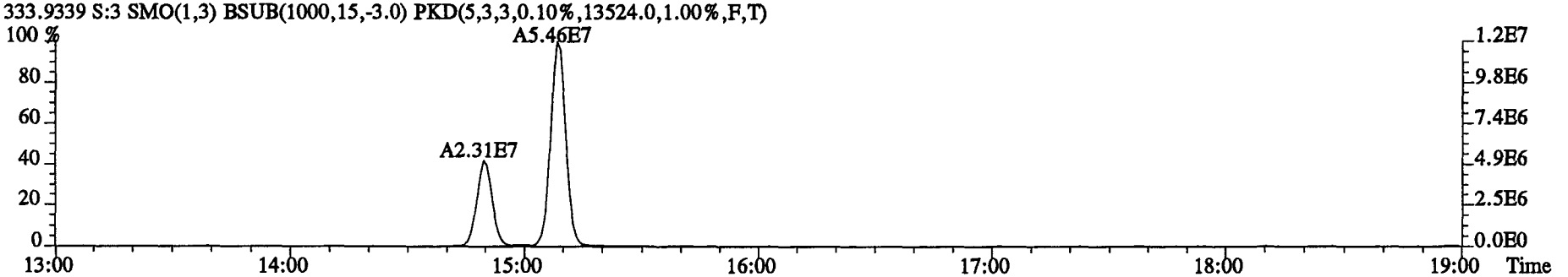
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12404.0,1.00%,F,T)



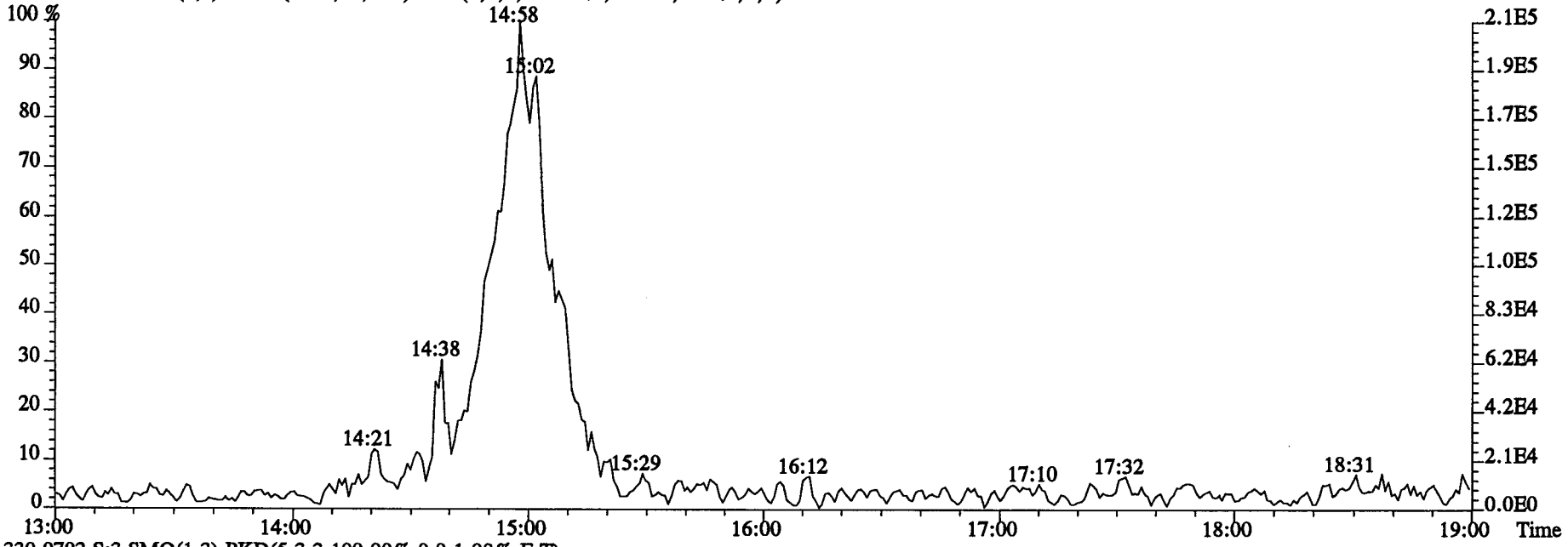
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21824.0,1.00%,F,T)



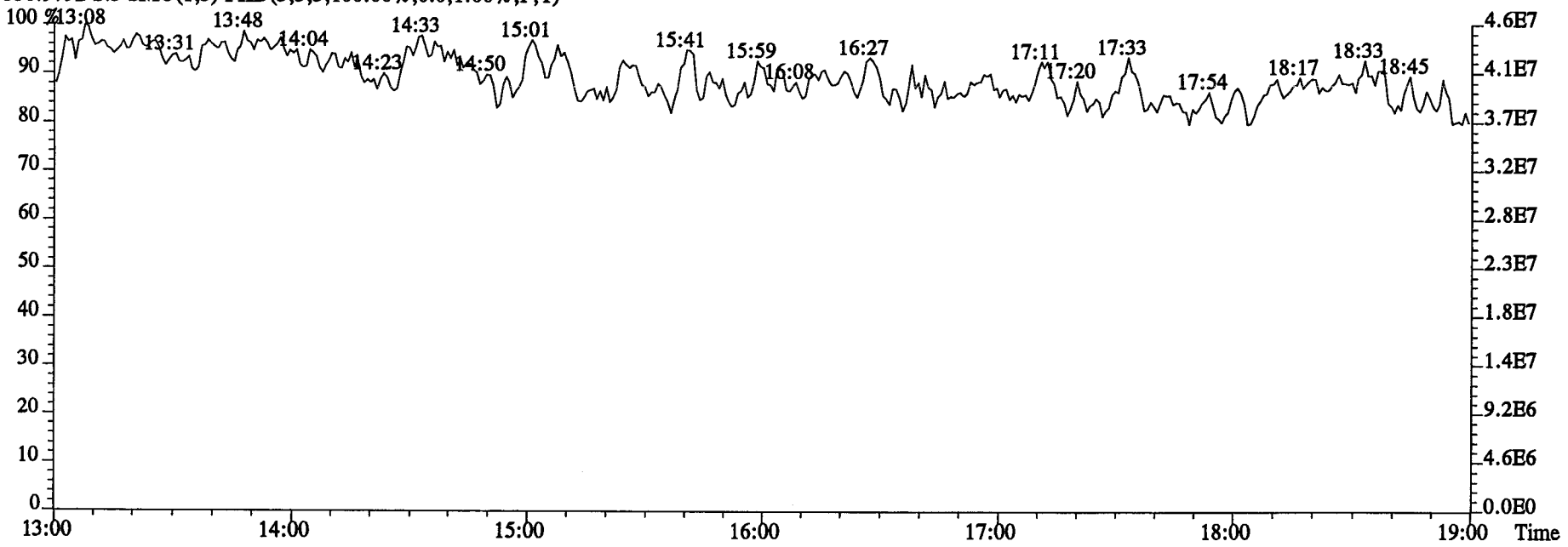
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13524.0,1.00%,F,T)



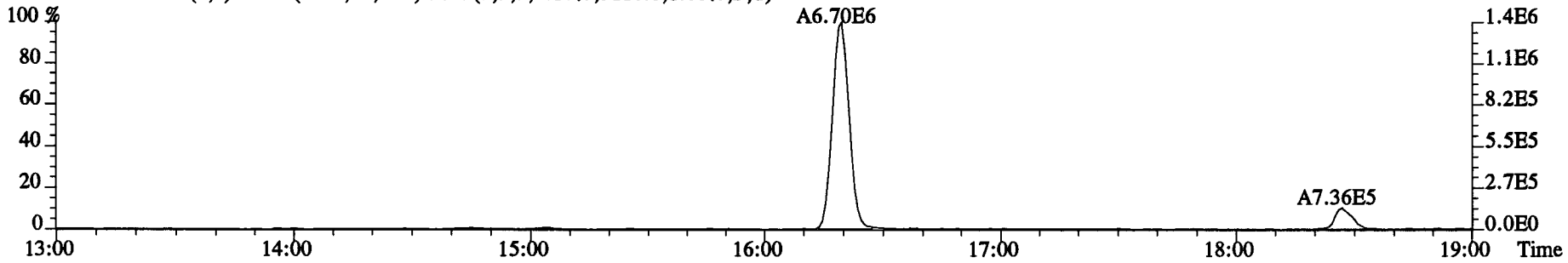
File:15DE105D2 #1-1242 Acq:15-DEC-2010 10:26:13 GC EI+ Voltage SIR 70SE
Sample#3 Text:LOD/LOQ-MB :1613BWW-MB (572-MB) Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,7748.0,1.00%,F,T)



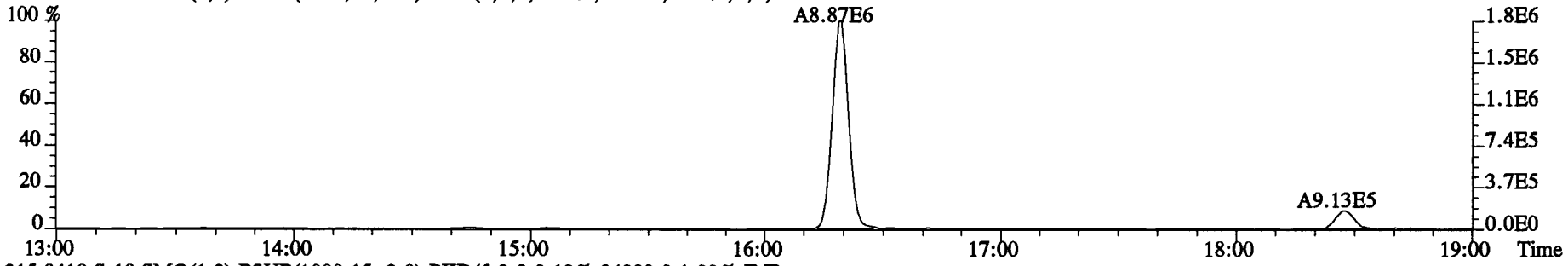
330.9792 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



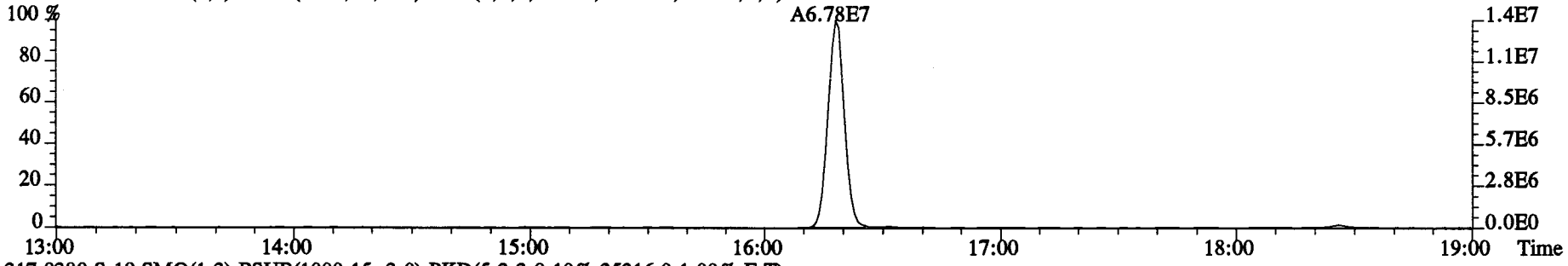
File:15DE105D2 #1-1242 Acq:15-DEC-2010 20:08:01 GC EI+ Voltage SIR 70SE
Sample#19 Text:ST1215A :CS3 10DXN505 Exp:DB225RES
303.9016 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)



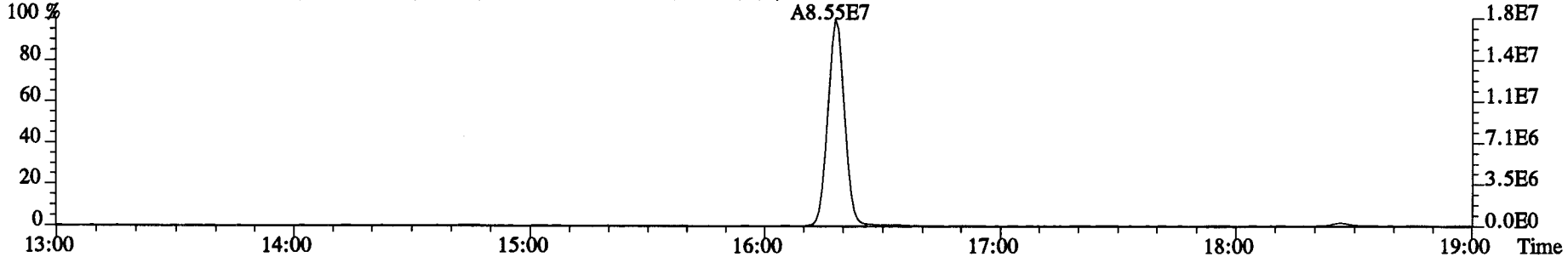
305.8987 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6904.0,1.00%,F,T)



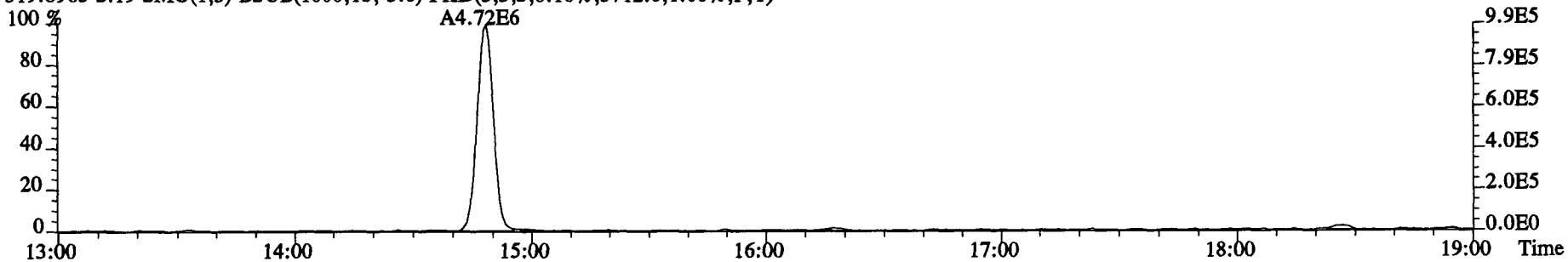
315.9419 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24380.0,1.00%,F,T)



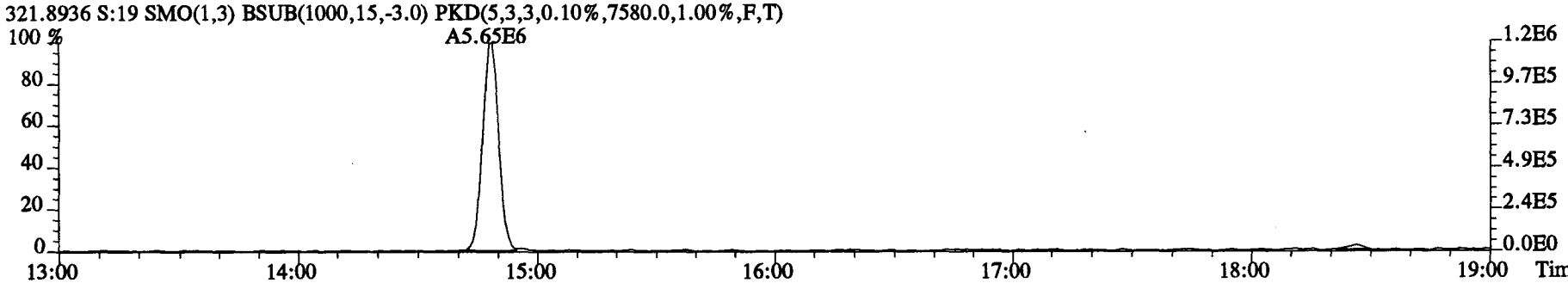
317.9389 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25316.0,1.00%,F,T)



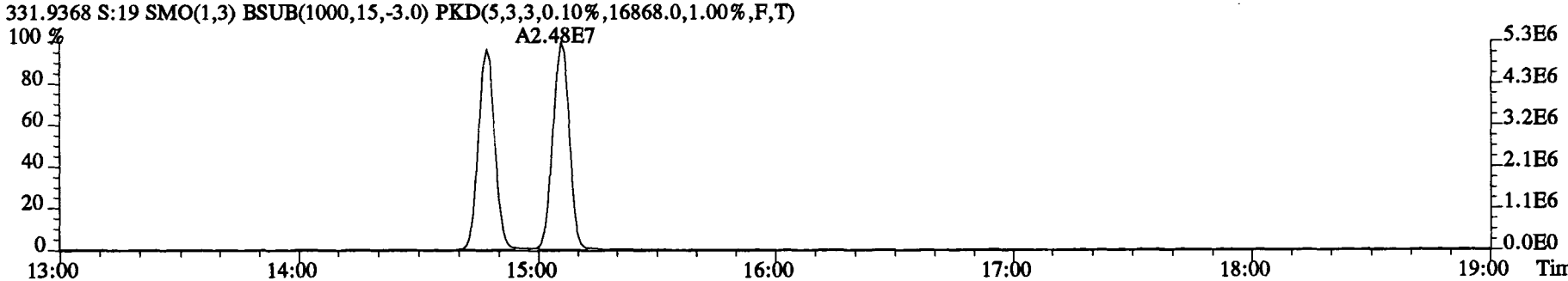
File:15DE105D2 #1-1242 Acq:15-DEC-2010 20:08:01 GC EI+ Voltage SIR 70SE
Sample#19 Text:ST1215A :CS3 10DXN505 Exp:DB225RES
319.8965 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5712.0,1.00%,F,T)



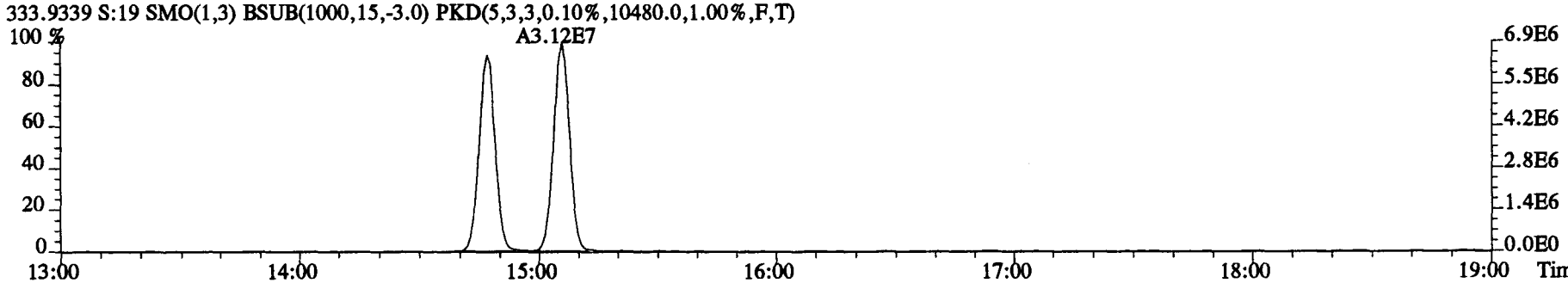
321.8936 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7580.0,1.00%,F,T)



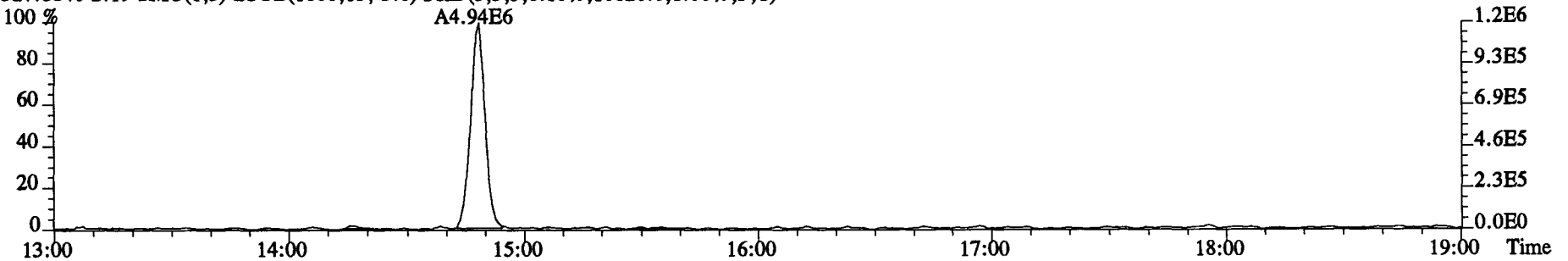
331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16868.0,1.00%,F,T)



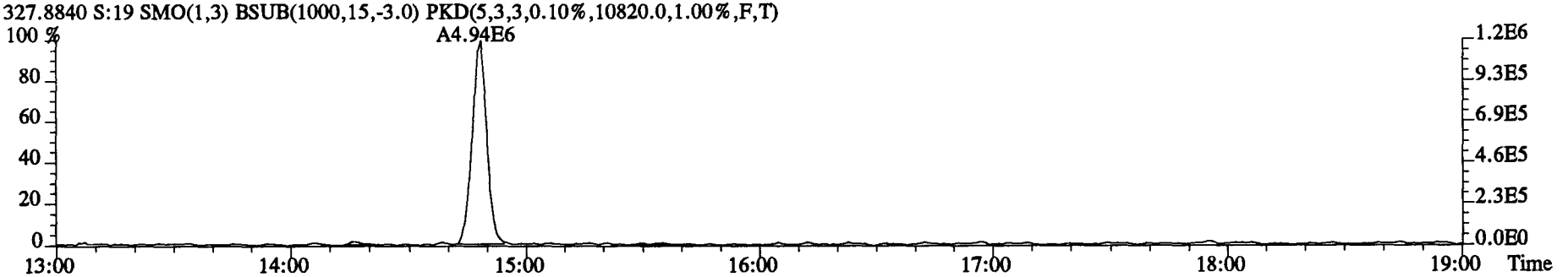
333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10480.0,1.00%,F,T)



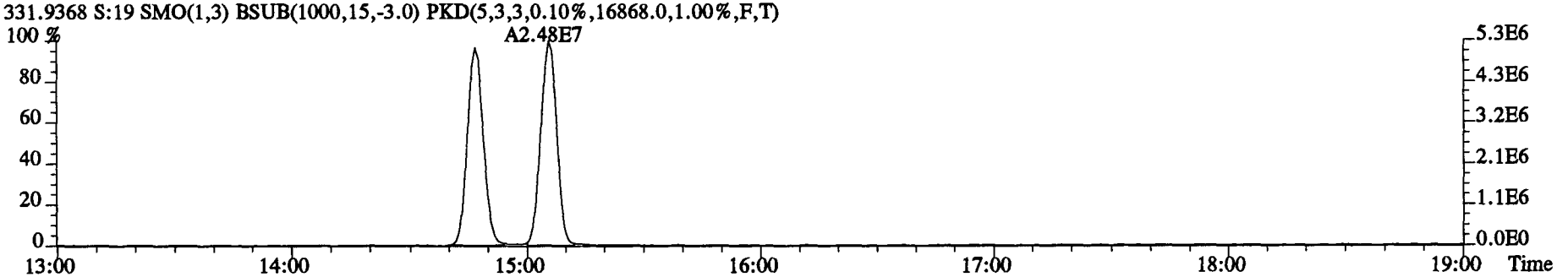
File:15DE105D2 #1-1242 Acq:15-DEC-2010 20:08:01 GC EI+ Voltage SIR 70SE
Sample#19 Text:ST1215A :CS3 10DXN505 Exp:DB225RES
327.8840 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10820.0,1.00%,F,T)



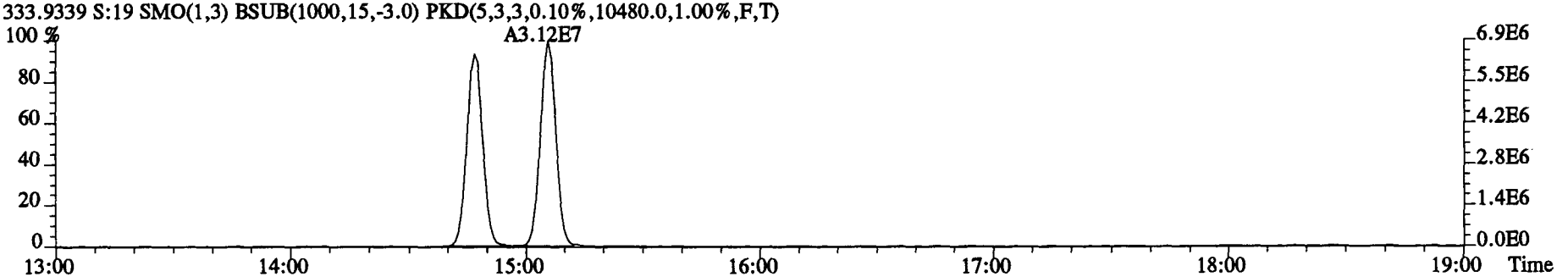
327.8840 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10820.0,1.00%,F,T)



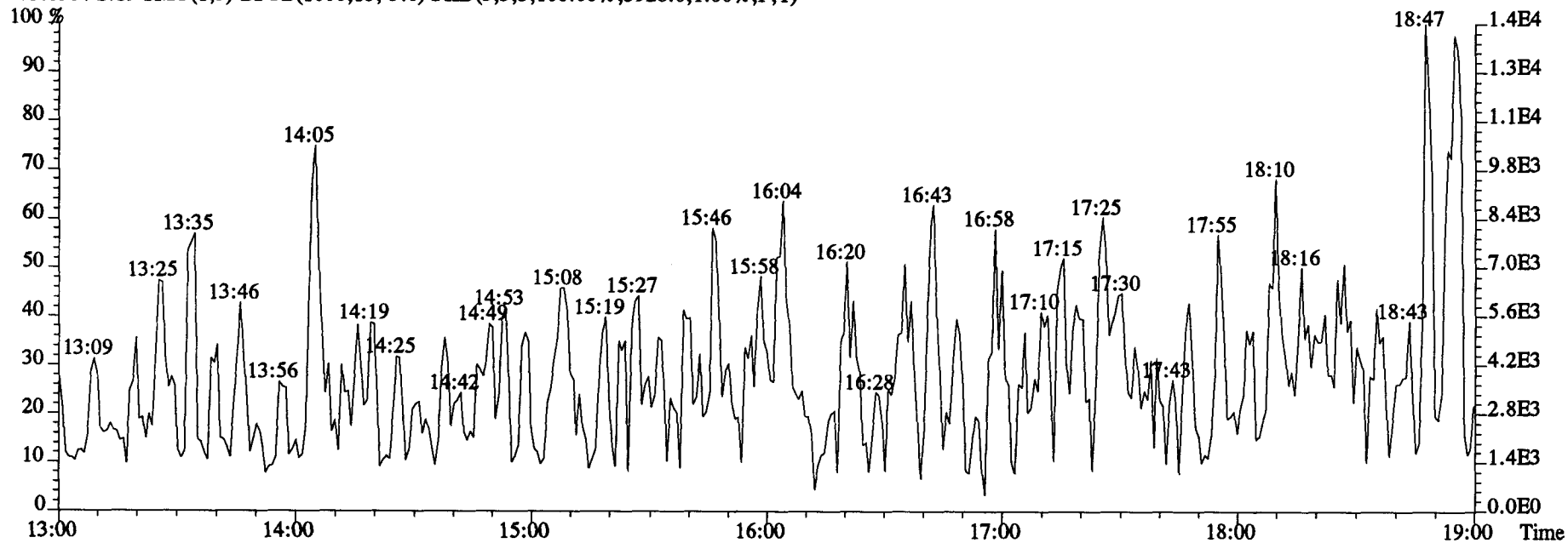
331.9368 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16868.0,1.00%,F,T)



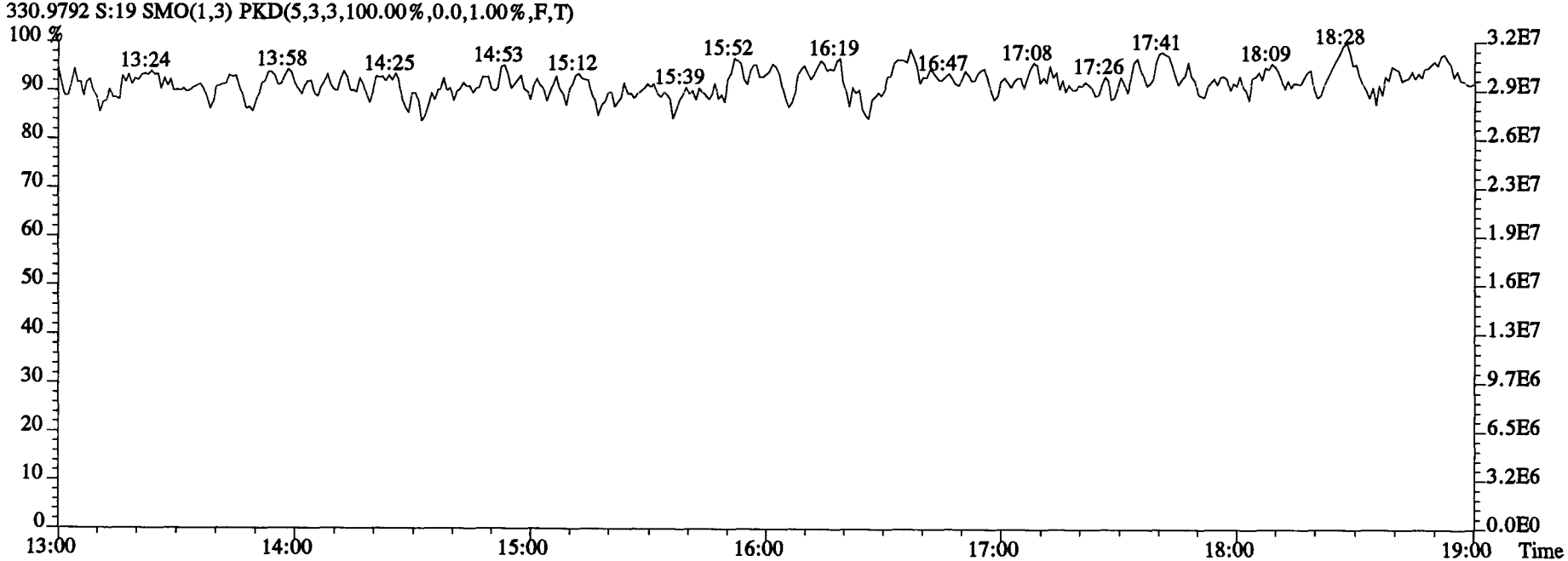
333.9339 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10480.0,1.00%,F,T)



File:15DE105D2 #1-1242 Acq:15-DEC-2010 20:08:01 GC EI+ Voltage SIR 70SE
Sample#19 Text:ST1215A :CS3 10DXN505 Exp:DB225RES
375.8364 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3928.0,1.00%,F,T)



330.9792 S:19 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290,1613,TO9,23,Tetras,0023A) 1214-109D5

Method ID 8290,1613B,TO9,23,0023A Date Scanned _____

Column ID DB5 Instrument ID 9D5

STD ID's ST1214(-A,B,C,D) STD Solution 10DXN(503,504,505,506,507)

GC Program OCDD Multiplier Setting 400

Analyzed By AS Date Analyzed 12-14-10

Prepared By AM, AS Date Prepared 12-15-10

Reviewed By M.C. Date Reviewed 12/15/10

[illegible]	[illegible]	[illegible]
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

CS3 RT's : 13C-1,2,3,4-TCDD → 19:12
13C-1,2,3,7,8,9-HxCDD → 32:49

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5

ST1214 :CS-1 10DXN503 ST1214A :CS-2 10DXN504 ST1214B :CS-3 10DXN505
ST1214C :CS-4 10DXN506 ST1214D :CS-5 10DXN507

				14DE10A9D5	14DE10A9D5	14DE10A9D5	14DE10A9D5	14DE10A9D5
				S3	S4	S5	S6	S7
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.114	0.036	3.21 %	1.13	1.15	1.14	1.08	1.08
2,3,7,8-TCDF	0.883	0.033	3.69 %	0.94	0.87	0.87	0.87	0.86
Total TCDF	0.883	0.033	3.69 %	0.94	0.87	0.87	0.87	0.86
13C-2,3,7,8-TCDD	0.972	0.039	4.01 %	0.99	1.00	1.01	0.93	0.93
2,3,7,8-TCDD	0.872	0.039	4.51 %	0.91	0.91	0.82	0.87	0.85
Total TCDD	0.872	0.039	4.51 %	0.91	0.91	0.82	0.87	0.85
37Cl-2,3,7,8-TCDD	1.224	0.037	3.00 %	1.29	1.22	1.21	1.21	1.19
13C-1,2,3,7,8-PeCDF	0.921	0.015	1.64 %	0.93	0.93	0.93	0.90	0.92
1,2,3,7,8-PeCDF	1.065	0.029	2.74 %	1.07	1.11	1.04	1.05	1.05
2,3,4,7,8-PeCDF	1.028	0.029	2.82 %	1.04	1.07	1.00	1.02	1.01
Total F2 PeCDF	1.046	0.029	2.77 %	1.05	1.09	1.02	1.03	1.03
Total F1 PeCDF	1.046	0.029	2.77 %	1.05	1.09	1.02	1.03	1.03
13C-1,2,3,7,8-PeCDD	0.829	0.013	1.57 %	0.83	0.82	0.84	0.81	0.84
1,2,3,7,8-PeCDD	0.793	0.025	3.17 %	0.79	0.84	0.77	0.79	0.78
Total PeCDD	0.793	0.025	3.17 %	0.79	0.84	0.77	0.79	0.78
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.072	0.048	4.45 %	1.04	1.09	1.15	1.03	1.05
1,2,3,4,7,8-HxCDF	1.063	0.048	4.49 %	1.10	1.11	1.00	1.06	1.03
1,2,3,6,7,8-HxCDF	1.122	0.057	5.06 %	1.18	1.18	1.08	1.12	1.05
2,3,4,6,7,8-HxCDF	1.048	0.041	3.96 %	1.10	1.08	1.00	1.05	1.01
1,2,3,7,8,9-HxCDF	0.953	0.041	4.28 %	0.99	1.00	0.91	0.94	0.92
Total HxCDF	1.046	0.046	4.37 %	1.09	1.09	1.00	1.05	1.00
13C-1,2,3,6,7,8-HxCDD	0.888	0.046	5.21 %	0.87	0.93	0.94	0.84	0.85
1,2,3,4,7,8-HxCDD	1.114	0.066	5.92 %	1.18	1.12	1.01	1.15	1.11

1,2,3,6,7,8-HxCDD	1.159	0.042	3.60 %	1.21	1.17	1.16	1.15	1.10
1,2,3,7,8,9-HxCDD	1.202	0.042	3.49 %	1.26	1.20	1.16	1.22	1.17
Total HxCDD	1.158	0.044	3.80 %	1.22	1.17	1.11	1.17	1.13
13C-1,2,3,4,6,7,8-HpCDF	0.948	0.024	2.48 %	0.94	0.95	0.99	0.93	0.93
1,2,3,4,6,7,8-HpCDF	1.435	0.063	4.40 %	1.50	1.50	1.39	1.41	1.36
1,2,3,4,7,8,9-HpCDF	1.227	0.052	4.20 %	1.28	1.29	1.18	1.19	1.19
Total HpCDF	1.331	0.057	4.25 %	1.39	1.39	1.29	1.30	1.28
13C-1,2,3,4,6,7,8-HpCDD	1.075	0.030	2.75 %	1.06	1.07	1.13	1.06	1.05
1,2,3,4,6,7,8-HpCDD	0.895	0.032	3.57 %	0.93	0.93	0.87	0.88	0.87
Total HpCDD	0.895	0.032	3.57 %	0.93	0.93	0.87	0.88	0.87
13C-OCDD	0.690	0.017	2.46 %	0.70	0.68	0.70	0.66	0.69
OCDF	1.180	0.028	2.37 %	1.18	1.22	1.14	1.18	1.17
OCDD	1.139	0.055	4.82 %	1.20	1.20	1.10	1.12	1.08

Run #1 Filename 14DE10A9D5 S: 3 I: 1
Acquired: 14-DEC-10 16:23:45 Processed: 15-DEC-10 09:33:50
Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5
Comments:
Sample text: ST1214 :CS-1 10DXN503

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	169277200	0.76	y	19:12	-	100.00	n
13C-2,3,7,8-TCDF	190592700	0.80	y	18:37	1.1259	100.00	n
2,3,7,8-TCDF	896688	0.66	y	18:38	0.9409	0.50	y
Total TCDF	-	-	n	-	0.9409	0.50	n
13C-2,3,7,8-TCDD	167242900	0.75	y	19:24	0.9880	100.00	n
2,3,7,8-TCDD	760359	0.79	y	19:25	0.9093	0.50	n
Total TCDD	-	-	n	-	0.9093	0.50	n
37Cl-2,3,7,8-TCDD	1076126	1.00	y	19:25	1.2869	0.50	n
13C-1,2,3,7,8-PeCDF	157913900	1.52	y	24:16	0.9329	100.00	n
1,2,3,7,8-PeCDF	4214010	1.60	y	24:17	1.0674	2.50	n
2,3,4,7,8-PeCDF	4104070	1.56	y	25:47	1.0396	2.50	n
Total F2 PeCDF	-	-	n	-	1.0535	5.00	n
Total F1 PeCDF	-	-	n	-	1.0535	5.00	n
13C-1,2,3,7,8-PeCDD	140444300	1.56	y	26:36	0.8297	100.00	n
1,2,3,7,8-PeCDD	2784830	1.51	y	26:37	0.7931	2.50	n
Total PeCDD	-	-	n	-	0.7931	2.50	n
13C-1,2,3,7,8,9-HxCDD	110089000	1.31	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	114523400	0.49	y	31:40	1.0403	100.00	n
1,2,3,4,7,8-HxCDF	3161410	1.22	y	31:41	1.1042	2.50	n
1,2,3,6,7,8-HxCDF	3366270	1.21	y	31:47	1.1757	2.50	n
2,3,4,6,7,8-HxCDF	3135130	1.21	y	32:22	1.0950	2.50	n
1,2,3,7,8,9-HxCDF	2845150	1.15	y	33:00	0.9937	2.50	n
Total HxCDF	-	-	n	-	1.0922	10.00	n
13C-1,2,3,6,7,8-HxCDD	95976800	1.29	y	32:33	0.8718	100.00	n
1,2,3,4,7,8-HxCDD	2840330	1.33	y	32:30	1.1838	2.50	n
1,2,3,6,7,8-HxCDD	2914570	1.09	y	32:34	1.2147	2.50	n
1,2,3,7,8,9-HxCDD	3033130	1.22	y	32:50	1.2641	2.50	n
Total HxCDD	-	-	n	-	1.2209	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	103911900	0.43	y	34:18	0.9439	100.00	n
1,2,3,4,6,7,8-HpCDF	3898490	1.02	y	34:18	1.5007	2.50	n
1,2,3,4,7,8,9-HpCDF	3322190	1.02	y	35:24	1.2788	2.50	n
Total HpCDF	-	-	n	-	1.3898	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	116640900	1.01	y	35:05	1.0595	100.00	n
1,2,3,4,6,7,8-HpCDD	2716170	1.00	y	35:06	0.9315	2.50	n
Total HpCDD	-	-	n	-	0.9315	2.50	n
13C-OCDD	155029400	0.86	y	37:31	0.7041	200.00	n
OCDF	4590080	0.85	y	37:38	1.1843	5.00	n

OCDD	4632180	0.90	y	37:32	1.1952	5.00	n

Run #1 Filename 14DE10A9D5 S: 3 I: 1
Acquired: 14-DEC-10 16:23:45 Processed: 15-DEC-10 09:33:50
Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5
Comments:
Sample text: ST1214 :CS-1 10DXN503

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	169277200	0.76	y	19:12	-	100.00	n
13C-2,3,7,8-TCDF	190592700	0.80	y	18:37	1.1259	100.00	n
2,3,7,8-TCDF	794017	0.64	n	18:38	0.8332	0.50	n
Total TCDF	-	-	n	-	0.8332	0.50	n
13C-2,3,7,8-TCDD	167242900	0.75	y	19:24	0.9880	100.00	n
2,3,7,8-TCDD	760359	0.79	y	19:25	0.9093	0.50	n
Total TCDD	-	-	n	-	0.9093	0.50	n
37Cl-2,3,7,8-TCDD	1076126	1.00	y	19:25	1.2869	0.50	n
13C-1,2,3,7,8-PeCDF	157913900	1.52	y	24:16	0.9329	100.00	n
1,2,3,7,8-PeCDF	4214010	1.60	y	24:17	1.0674	2.50	n
2,3,4,7,8-PeCDF	4104070	1.56	y	25:47	1.0396	2.50	n
Total F2 PeCDF	-	-	n	-	1.0535	5.00	n
Total F1 PeCDF	-	-	n	-	1.0535	5.00	n
13C-1,2,3,7,8-PeCDD	140444300	1.56	y	26:36	0.8297	100.00	n
1,2,3,7,8-PeCDD	2784830	1.51	y	26:37	0.7931	2.50	n
Total PeCDD	-	-	n	-	0.7931	2.50	n
13C-1,2,3,7,8,9-HxCDD	110089000	1.31	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	114523400	0.49	y	31:40	1.0403	100.00	n
1,2,3,4,7,8-HxCDF	3161410	1.22	y	31:41	1.1042	2.50	n
1,2,3,6,7,8-HxCDF	3366270	1.21	y	31:47	1.1757	2.50	n
2,3,4,6,7,8-HxCDF	3135130	1.21	y	32:22	1.0950	2.50	n
1,2,3,7,8,9-HxCDF	2845150	1.15	y	33:00	0.9937	2.50	n
Total HxCDF	-	-	n	-	1.0922	10.00	n
13C-1,2,3,6,7,8-HxCDD	95976800	1.29	y	32:33	0.8718	100.00	n
1,2,3,4,7,8-HxCDD	2840330	1.33	y	32:30	1.1838	2.50	n
1,2,3,6,7,8-HxCDD	2914570	1.09	y	32:34	1.2147	2.50	n
1,2,3,7,8,9-HxCDD	3033130	1.22	y	32:50	1.2641	2.50	n
Total HxCDD	-	-	n	-	1.2209	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	103911900	0.43	y	34:18	0.9439	100.00	n
1,2,3,4,6,7,8-HpCDF	3898490	1.02	y	34:18	1.5007	2.50	n
1,2,3,4,7,8,9-HpCDF	3322190	1.02	y	35:24	1.2788	2.50	n
Total HpCDF	-	-	n	-	1.3898	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	116640900	1.01	y	35:05	1.0595	100.00	n
1,2,3,4,6,7,8-HpCDD	2716170	1.00	y	35:06	0.9315	2.50	n
Total HpCDD	-	-	n	-	0.9315	2.50	n
13C-OCDD	155029400	0.86	y	37:31	0.7041	200.00	n
OCDF	4590080	0.85	y	37:38	1.1843	5.00	n

OCDD	4632180	0.90	y	37:32	1.1952	5.00	n

Run #2 Filename 14DE10A9D5 S: 4 I: 1
Acquired: 14-DEC-10 17:07:24 Processed: 15-DEC-10 09:33:52
Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5
Comments:
Sample text: ST1214A :CS-2 10DXN504

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	158505400	0.75	y	19:12	-	100.00	n
13C-2,3,7,8-TCDF	182477700	0.79	y	18:36	1.1512	100.00	n
2,3,7,8-TCDF	3180620	0.78	y	18:37	0.8715	2.00	n
Total TCDF	-	-	n	-	0.8715	2.00	n
13C-2,3,7,8-TCDD	158919700	0.76	y	19:23	1.0026	100.00	n
2,3,7,8-TCDD	2902290	0.80	y	19:25	0.9131	2.00	n
Total TCDD	-	-	n	-	0.9131	2.00	n
37Cl-2,3,7,8-TCDD	3884840	1.00	y	19:25	1.2223	2.00	n
13C-1,2,3,7,8-PeCDF	146764300	1.48	y	24:15	0.9259	100.00	n
1,2,3,7,8-PeCDF	16342850	1.52	y	24:17	1.1135	10.00	n
2,3,4,7,8-PeCDF	15731710	1.56	y	25:47	1.0719	10.00	n
Total F2 PeCDF	-	-	n	-	1.0927	20.00	n
Total F1 PeCDF	-	-	n	-	1.0927	20.00	n
13C-1,2,3,7,8-PeCDD	130737900	1.51	y	26:36	0.8248	100.00	n
1,2,3,7,8-PeCDD	10918100	1.48	y	26:36	0.8351	10.00	n
Total PeCDD	-	-	n	-	0.8351	10.00	n
13C-1,2,3,7,8,9-HxCDD	100073000	1.29	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	109378700	0.51	y	31:39	1.0930	100.00	n
1,2,3,4,7,8-HxCDF	12195220	1.18	y	31:41	1.1150	10.00	n
1,2,3,6,7,8-HxCDF	12867000	1.20	y	31:47	1.1764	10.00	n
2,3,4,6,7,8-HxCDF	11818330	1.17	y	32:21	1.0805	10.00	n
1,2,3,7,8,9-HxCDF	10894500	1.22	y	32:59	0.9960	10.00	n
Total HxCDF	-	-	n	-	1.0920	40.00	n
13C-1,2,3,6,7,8-HxCDD	93015400	1.30	y	32:33	0.9295	100.00	n
1,2,3,4,7,8-HxCDD	10437150	1.17	y	32:29	1.1221	10.00	n
1,2,3,6,7,8-HxCDD	10917700	1.21	y	32:34	1.1738	10.00	n
1,2,3,7,8,9-HxCDD	11166590	1.17	y	32:50	1.2005	10.00	n
Total HxCDD	-	-	n	-	1.1655	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	95006000	0.44	y	34:17	0.9494	100.00	n
1,2,3,4,6,7,8-HpCDF	14273760	1.03	y	34:18	1.5024	10.00	n
1,2,3,4,7,8,9-HpCDF	12225480	0.99	y	35:23	1.2868	10.00	n
Total HpCDF	-	-	n	-	1.3946	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	107524700	1.00	y	35:04	1.0745	100.00	n
1,2,3,4,6,7,8-HpCDD	9984280	1.01	y	35:05	0.9286	10.00	n
Total HpCDD	-	-	n	-	0.9286	10.00	n
13C-OCDD	136417800	0.87	y	37:30	0.6816	200.00	n
OCDF	16640190	0.86	y	37:37	1.2198	20.00	n
OCDD	16359050	0.90	y	37:31	1.1992	20.00	n

Run #3 Filename 14DE10A9D5 S: 5 I: 1
Acquired: 14-DEC-10 17:51:03 Processed: 15-DEC-10 09:33:53
Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5
Comments:
Sample text: ST1214B :CS-3 10DXN505

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	153544700	0.76	y	19:12	-	100.00	n
13C-2,3,7,8-TCDF	175136200	0.80	y	18:36	1.1406	100.00	n
2,3,7,8-TCDF	15246560	0.77	y	18:37	0.8706	10.00	n
Total TCDF	-	-	n	-	0.8706	10.00	n
13C-2,3,7,8-TCDD	154919700	0.76	y	19:24	1.0090	100.00	n
2,3,7,8-TCDD	12747850	0.79	y	19:25	0.8229	10.00	n
Total TCDD	-	-	n	-	0.8229	10.00	n
37Cl-2,3,7,8-TCDD	18731020	1.00	y	19:25	1.2091	10.00	n
13C-1,2,3,7,8-PeCDF	142893100	1.51	y	24:15	0.9306	100.00	n
1,2,3,7,8-PeCDF	74285700	1.57	y	24:17	1.0397	50.00	n
2,3,4,7,8-PeCDF	71269200	1.53	y	25:47	0.9975	50.00	n
Total F2 PeCDF	-	-	n	-	1.0186	100.00	n
Total F1 PeCDF	-	-	n	-	1.0186	100.00	n
13C-1,2,3,7,8-PeCDD	128940400	1.55	y	26:35	0.8398	100.00	n
1,2,3,7,8-PeCDD	49701700	1.50	y	26:37	0.7709	50.00	n
Total PeCDD	-	-	n	-	0.7709	50.00	n
13C-1,2,3,7,8,9-HxCDD	95981900	1.30	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	109990900	0.51	y	31:40	1.1460	100.00	n
1,2,3,4,7,8-HxCDF	55100200	1.19	y	31:41	1.0019	50.00	n
1,2,3,6,7,8-HxCDF	59611800	1.20	y	31:47	1.0839	50.00	n
2,3,4,6,7,8-HxCDF	54989200	1.19	y	32:21	0.9999	50.00	n
1,2,3,7,8,9-HxCDF	49941500	1.21	y	33:00	0.9081	50.00	n
Total HxCDF	-	-	n	-	0.9985	200.00	n
13C-1,2,3,6,7,8-HxCDD	90641000	1.30	y	32:33	0.9444	100.00	y
1,2,3,4,7,8-HxCDD	45634700	1.18	y	32:30	1.0069	50.00	n
1,2,3,6,7,8-HxCDD	52456300	1.20	y	32:34	1.1575	50.00	n
1,2,3,7,8,9-HxCDD	52453700	1.19	y	32:50	1.1574	50.00	n
Total HxCDD	-	-	n	-	1.1073	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	94758900	0.43	y	34:18	0.9873	100.00	n
1,2,3,4,6,7,8-HpCDF	66091800	1.01	y	34:18	1.3949	50.00	n
1,2,3,4,7,8,9-HpCDF	56000400	1.02	y	35:24	1.1820	50.00	n
Total HpCDF	-	-	n	-	1.2885	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	108127000	0.98	y	35:05	1.1265	100.00	n
1,2,3,4,6,7,8-HpCDD	46807200	1.01	y	35:06	0.8658	50.00	n
Total HpCDD	-	-	n	-	0.8658	50.00	n
13C-OCDD	135289200	0.86	y	37:31	0.7048	200.00	n
OCDF	77240500	0.87	y	37:38	1.1419	100.00	n

OCDD	74157100	0.91	y	37:31	1.0963	100.00	n

Run #3 Filename 14DE10A9D5 S: 5 I: 1
Acquired: 14-DEC-10 17:51:03 Processed: 15-DEC-10 09:33:53
Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5
Comments:
Sample text: ST1214B :CS-3 10DXN505

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	153544700	0.76	y	19:12	-	100.00	n
13C-2,3,7,8-TCDF	175136200	0.80	y	18:36	1.1406	100.00	n
2,3,7,8-TCDF	15246560	0.77	y	18:37	0.8706	10.00	n
Total TCDF	-	-	n	-	0.8706	10.00	n
13C-2,3,7,8-TCDD	154919700	0.76	y	19:24	1.0090	100.00	n
2,3,7,8-TCDD	12747850	0.79	y	19:25	0.8229	10.00	n
Total TCDD	-	-	n	-	0.8229	10.00	n
37Cl-2,3,7,8-TCDD	18731020	1.00	y	19:25	1.2091	10.00	n
13C-1,2,3,7,8-PeCDF	142893100	1.51	y	24:15	0.9306	100.00	n
1,2,3,7,8-PeCDF	74285700	1.57	y	24:17	1.0397	50.00	n
2,3,4,7,8-PeCDF	71269200	1.53	y	25:47	0.9975	50.00	n
Total F2 PeCDF	-	-	n	-	1.0186	100.00	n
Total F1 PeCDF	-	-	n	-	1.0186	100.00	n
13C-1,2,3,7,8-PeCDD	128940400	1.55	y	26:35	0.8398	100.00	n
1,2,3,7,8-PeCDD	49701700	1.50	y	26:37	0.7709	50.00	n
Total PeCDD	-	-	n	-	0.7709	50.00	n
13C-1,2,3,7,8,9-HxCDD	95981900	1.30	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	109990900	0.51	y	31:40	1.1460	100.00	n
1,2,3,4,7,8-HxCDF	55100200	1.19	y	31:41	1.0019	50.00	n
1,2,3,6,7,8-HxCDF	59611800	1.20	y	31:47	1.0839	50.00	n
2,3,4,6,7,8-HxCDF	54989200	1.19	y	32:21	0.9999	50.00	n
1,2,3,7,8,9-HxCDF	49941500	1.21	y	33:00	0.9081	50.00	n
Total HxCDF	-	-	n	-	0.9985	200.00	n
13C-1,2,3,6,7,8-HxCDD	89815100	1.16	y	32:33	0.9357	100.00	n
1,2,3,4,7,8-HxCDD	45634700	1.18	y	32:30	1.0162	50.00	n
1,2,3,6,7,8-HxCDD	52456300	1.20	y	32:34	1.1681	50.00	n
1,2,3,7,8,9-HxCDD	52453700	1.19	y	32:50	1.1680	50.00	n
Total HxCDD	-	-	n	-	1.1174	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	94758900	0.43	y	34:18	0.9873	100.00	n
1,2,3,4,6,7,8-HpCDF	66091800	1.01	y	34:18	1.3949	50.00	n
1,2,3,4,7,8,9-HpCDF	56000400	1.02	y	35:24	1.1820	50.00	n
Total HpCDF	-	-	n	-	1.2885	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	108127000	0.98	y	35:05	1.1265	100.00	n
1,2,3,4,6,7,8-HpCDD	46807200	1.01	y	35:06	0.8658	50.00	n
Total HpCDD	-	-	n	-	0.8658	50.00	n
13C-OCDD	135289200	0.86	y	37:31	0.7048	200.00	n
OCDF	77240500	0.87	y	37:38	1.1419	100.00	n
OCDD	74157100	0.91	y	37:31	1.0963	100.00	n

Run #4 Filename 14DE10A9D5 S: 6 I: 1
Acquired: 14-DEC-10 18:34:40 Processed: 15-DEC-10 09:33:54
Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5
Comments:
Sample text: ST1214C :CS-4 10DXN506

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	153217100	0.76	y	19:13	-	100.00	n
13C-2,3,7,8-TCDF	165019900	0.79	y	18:37	1.0770	100.00	n
2,3,7,8-TCDF	57240300	0.76	y	18:38	0.8672	40.00	n
Total TCDF	-	-	n	-	0.8672	40.00	n
13C-2,3,7,8-TCDD	141943200	0.75	y	19:24	0.9264	100.00	n
2,3,7,8-TCDD	49162000	0.79	y	19:26	0.8659	40.00	n
Total TCDD	-	-	n	-	0.8659	40.00	n
37Cl-2,3,7,8-TCDD	68430200	1.00	y	19:26	1.2052	40.00	n
13C-1,2,3,7,8-PeCDF	137194600	1.51	y	24:17	0.8954	100.00	n
1,2,3,7,8-PeCDF	289213000	1.55	y	24:18	1.0540	200.00	n
2,3,4,7,8-PeCDF	278708000	1.53	y	25:48	1.0157	200.00	n
Total F2 PeCDF	-	-	n	-	1.0349	400.00	n
Total F1 PeCDF	-	-	n	-	1.0349	400.00	n
13C-1,2,3,7,8-PeCDD	124119100	1.54	y	26:37	0.8101	100.00	n
1,2,3,7,8-PeCDD	195862100	1.48	y	26:38	0.7890	200.00	n
Total PeCDD	-	-	n	-	0.7890	200.00	n
13C-1,2,3,7,8,9-HxCDD	99567900	1.28	y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	102579400	0.50	y	31:40	1.0302	100.00	n
1,2,3,4,7,8-HxCDF	217738700	1.23	y	31:41	1.0613	200.00	n
1,2,3,6,7,8-HxCDF	230754000	1.15	y	31:48	1.1248	200.00	n
2,3,4,6,7,8-HxCDF	216060400	1.18	y	32:22	1.0531	200.00	n
1,2,3,7,8,9-HxCDF	193761900	1.18	y	33:00	0.9444	200.00	n
Total HxCDF	-	-	n	-	1.0459	800.00	n
13C-1,2,3,6,7,8-HxCDD	83690000	1.31	y	32:34	0.8405	100.00	n
1,2,3,4,7,8-HxCDD	191700400	1.19	y	32:30	1.1453	200.00	n
1,2,3,6,7,8-HxCDD	192773200	1.20	y	32:35	1.1517	200.00	n
1,2,3,7,8,9-HxCDD	203519200	1.20	y	32:50	1.2159	200.00	n
Total HxCDD	-	-	n	-	1.1710	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	92523800	0.43	y	34:18	0.9293	100.00	n
1,2,3,4,6,7,8-HpCDF	261753000	1.02	y	34:19	1.4145	200.00	n
1,2,3,4,7,8,9-HpCDF	220386000	1.02	y	35:24	1.1910	200.00	n
Total HpCDF	-	-	n	-	1.3027	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	105720500	0.99	y	35:05	1.0618	100.00	n
1,2,3,4,6,7,8-HpCDD	185611500	1.01	y	35:06	0.8778	200.00	n
Total HpCDD	-	-	n	-	0.8778	200.00	n
13C-OCDD	132341600	0.85	y	37:31	0.6646	200.00	n
OCDF	312973000	0.88	y	37:38	1.1824	400.00	n
OCDD	295855000	0.92	y	37:32	1.1178	400.00	n

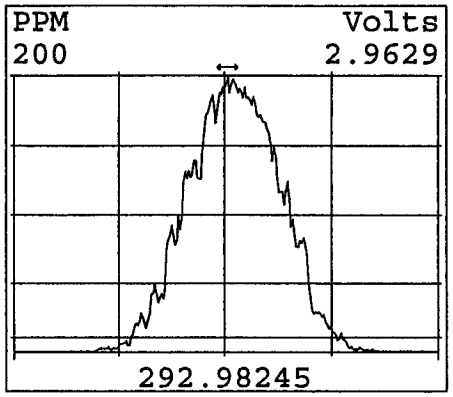
Run #5 Filename 14DE10A9D5 S: 7 I: 1
Acquired: 14-DEC-10 19:18:23 Processed: 15-DEC-10 09:33:55
Run: 15SE098D2 Analyte: TO9 Cal: TO91214109D5
Comments:
Sample text: ST1214D :CS-5 10DXN507

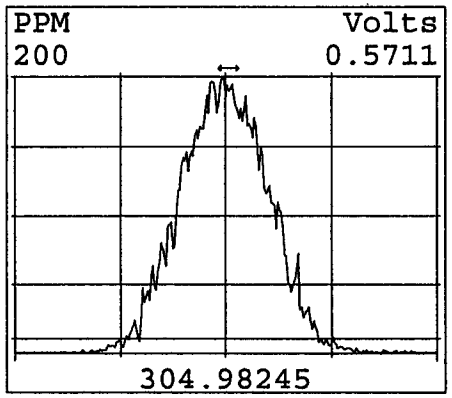
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	154446800	0.76	y	19:12	-	100.00	n
13C-2,3,7,8-TCDF	166033400	0.79	y	18:37	1.0750	100.00	n
2,3,7,8-TCDF	287034000	0.77	y	18:38	0.8644	200.00	n
Total TCDF	-	-	n	-	0.8644	200.00	n
13C-2,3,7,8-TCDD	144241000	0.75	y	19:24	0.9339	100.00	n
2,3,7,8-TCDD	244233000	0.79	y	19:25	0.8466	200.00	n
Total TCDD	-	-	n	-	0.8466	200.00	n
37Cl-2,3,7,8-TCDD	344594000	1.00	y	19:25	1.1945	200.00	n
13C-1,2,3,7,8-PeCDF	142126700	1.50	y	24:16	0.9202	100.00	n
1,2,3,7,8-PeCDF	1489806000	1.54	y	24:18	1.0482	1000.00	n
2,3,4,7,8-PeCDF	1439811000	1.54	y	25:47	1.0130	1000.00	n
Total F2 PeCDF	-	-	n	-	1.0306	2000.00	n
Total F1 PeCDF	-	-	n	-	1.0306	2000.00	n
13C-1,2,3,7,8-PeCDD	130145600	1.53	y	26:36	0.8427	100.00	n
1,2,3,7,8-PeCDD	1011570000	1.48	y	26:38	0.7773	1000.00	n
Total PeCDD	-	-	n	-	0.7773	1000.00	n
13C-1,2,3,7,8,9-HxCDD	107432400	1.28	y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	112941500	0.51	y	31:39	1.0513	100.00	n
1,2,3,4,7,8-HxCDF	1164980000	1.18	y	31:40	1.0315	1000.00	n
1,2,3,6,7,8-HxCDF	1182657000	1.19	y	31:48	1.0471	1000.00	n
2,3,4,6,7,8-HxCDF	1143427000	1.18	y	32:21	1.0124	1000.00	n
1,2,3,7,8,9-HxCDF	1039503000	1.19	y	32:59	0.9204	1000.00	n
Total HxCDF	-	-	n	-	1.0029	4000.00	n
13C-1,2,3,6,7,8-HxCDD	91762600	1.28	y	32:34	0.8541	100.00	n
1,2,3,4,7,8-HxCDD	1018559000	1.19	y	32:29	1.1100	1000.00	n
1,2,3,6,7,8-HxCDD	1008392000	1.20	y	32:34	1.0989	1000.00	n
1,2,3,7,8,9-HxCDD	1073897000	1.19	y	32:49	1.1703	1000.00	n
Total HxCDD	-	-	n	-	1.1264	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	99980800	0.45	y	34:17	0.9306	100.00	n
1,2,3,4,6,7,8-HpCDF	1363353000	1.02	y	34:18	1.3636	1000.00	n
1,2,3,4,7,8,9-HpCDF	1194518000	1.02	y	35:24	1.1947	1000.00	n
Total HpCDF	-	-	n	-	1.2792	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	113276400	1.00	y	35:05	1.0544	100.00	n
1,2,3,4,6,7,8-HpCDD	988772000	1.02	y	35:05	0.8729	1000.00	n
Total HpCDD	-	-	n	-	0.8729	1000.00	n
13C-OCDD	149159600	0.87	y	37:31	0.6942	200.00	n
OCDF	1747642000	0.88	y	37:38	1.1717	2000.00	n
OCDD	1617379000	0.91	y	37:31	1.0843	2000.00	n

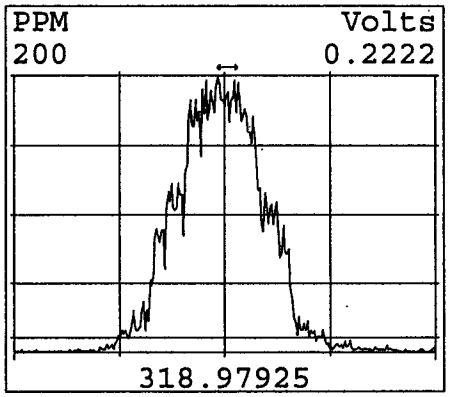
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
14DE10A9D5	1	CP1214	DB-5 CPSM 3732-08				1.00000	
14DE10A9D5	2	SB1214	Solvent Blank C-14				1.00000	
14DE10A9D5	3	ST1214	CS-1 10DXN503				1.00000	
14DE10A9D5	4	ST1214A	CS-2 10DXN504				1.00000	
14DE10A9D5	5	ST1214B	CS-3 10DXN505				1.00000	
14DE10A9D5	6	ST1214C	CS-4 10DXN506				1.00000	
14DE10A9D5	7	ST1214D	CS-5 10DXN507				1.00000	
14DE10A9D5	8	ST1214E	2nd Source 10DXN340				1.00000	
14DE10A9D5	9	MAXT5-1-AC	G0L040465-9LCS	20	TO9/AIR	34	0.50000	SAM
14DE10A9D5	10	MAWFA-1-AA	G0L040465-9	20	TO9/AIR		0.50000	SAM
14DE10A9D5	11	MAWFD-1-AA	G0L040465-10	20	TO9/AIR		0.50000	SAM
14DE10A9D5	12	MAXT5-1-AD	G0L040465-9DCS	20	TO9/AIR		0.50000	SAM
14DE10A9D5	13	MAXT5-1-AA	G0L040465-9MB	20	TO9/AIR		0.50000	SAM
14DE10A9D5	14	ST1214F	CS-3 10DXN505				1.00000	
14DE10A9D5	15						1.00000	
14DE10A9D5	16						1.00000	
14DE10A9D5	17						1.00000	
14DE10A9D5	18						1.00000	
14DE10A9D5	19		AS 12-14-10				1.00000	

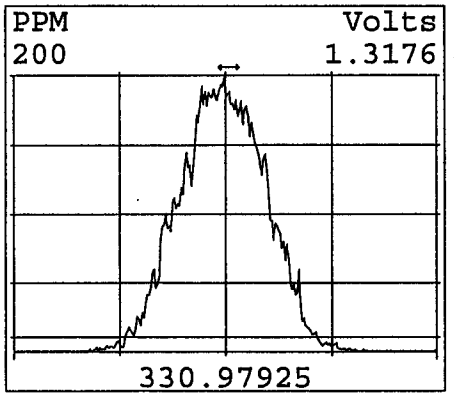
Logfile v1d
12/15/10 kss

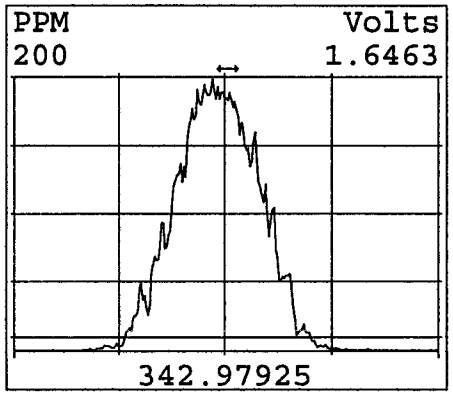
Peak Locate Examination:14-DEC-2010:14:48 File:14DE10A9D5
Experiment:DIOXINRES Function:1 Reference:PFK

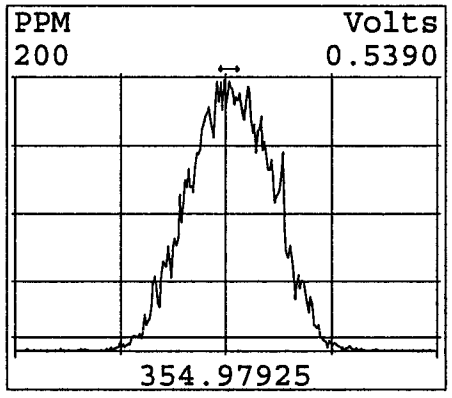


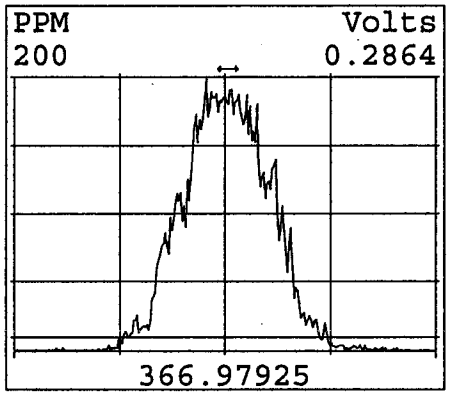


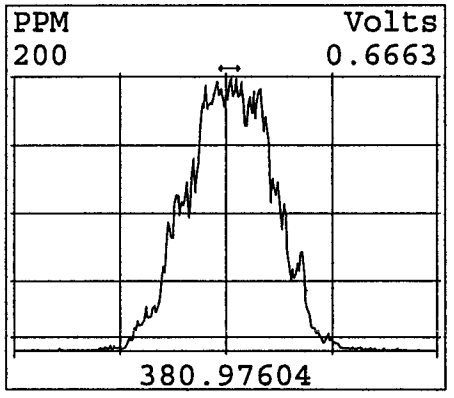


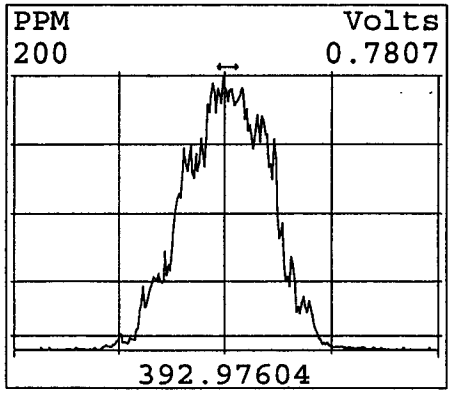


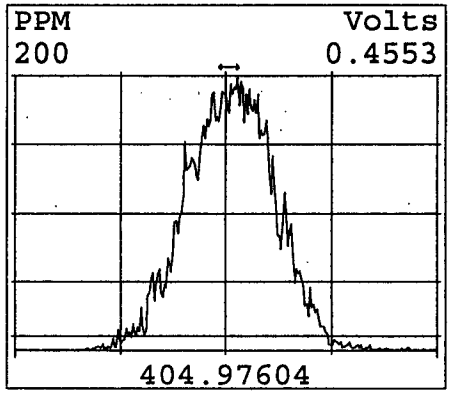


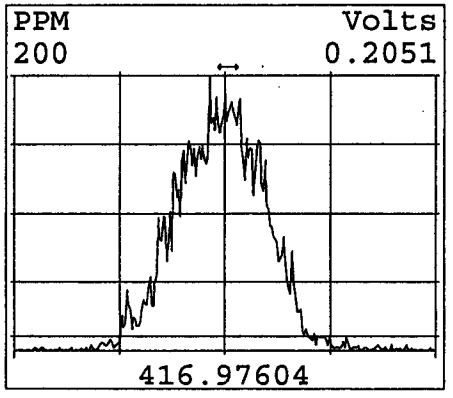




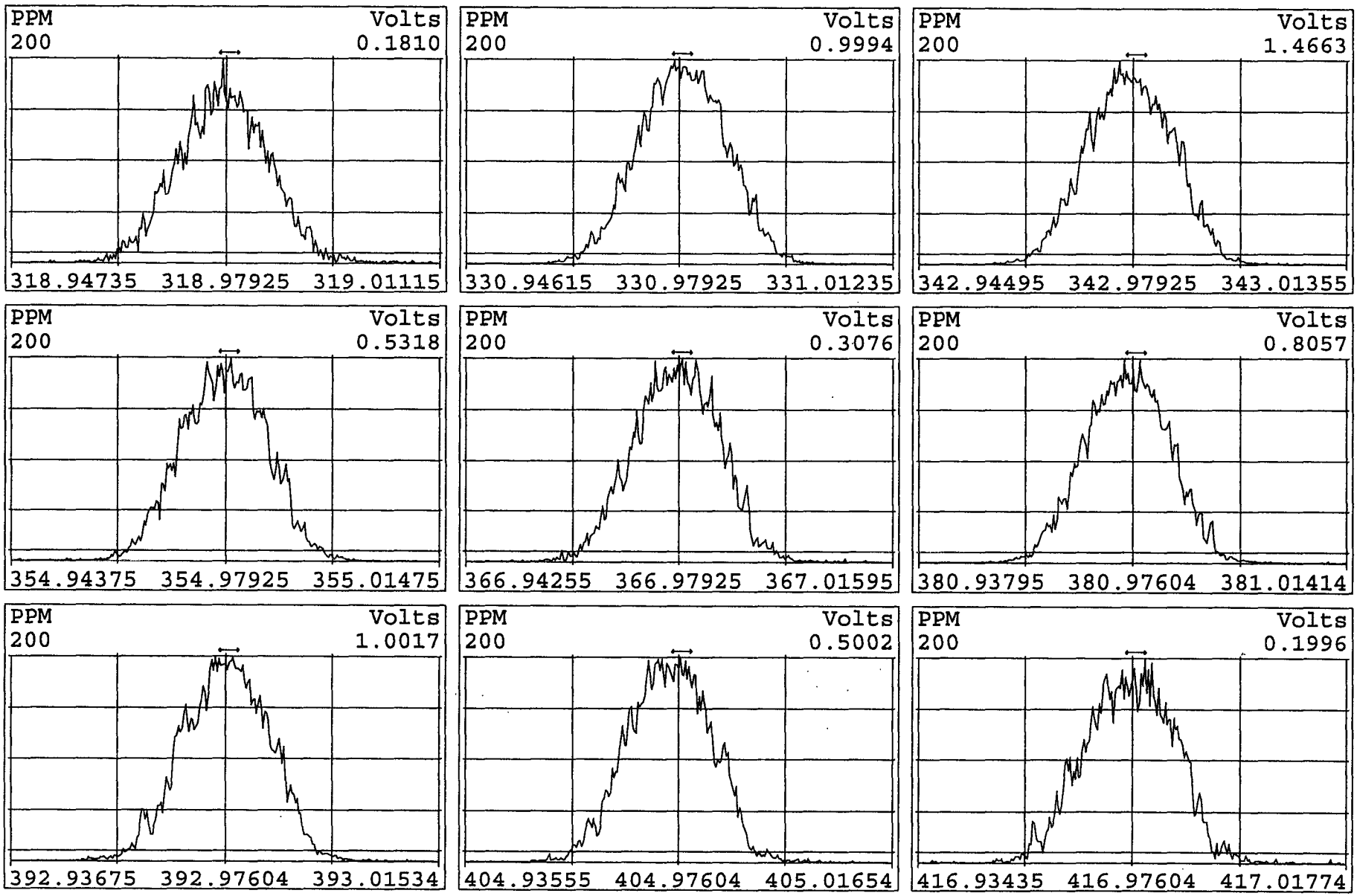




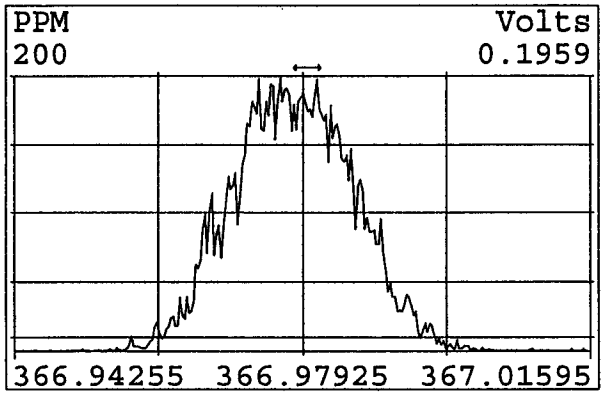


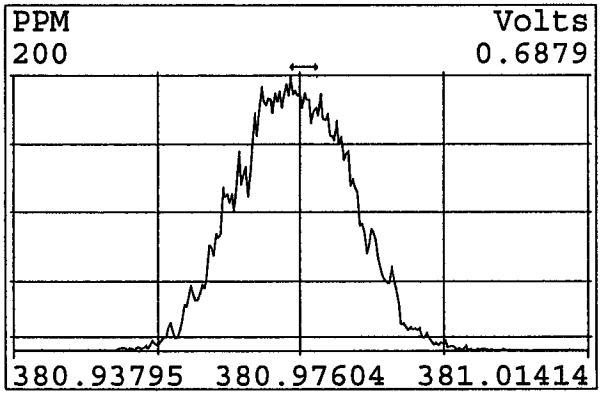


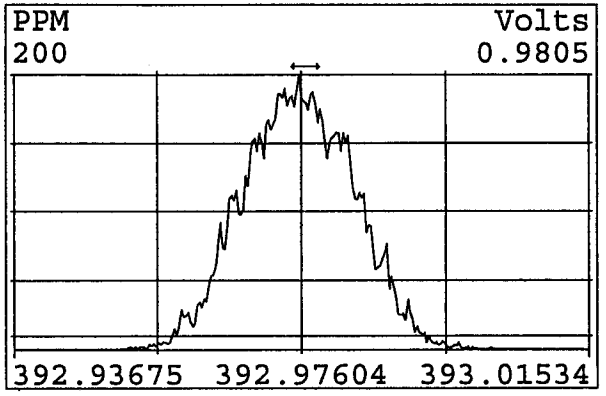
Peak Locate Examination:14-DEC-2010:14:48 File:14DE10A9D5
Experiment:DIOXINRES Function:2 Reference:PFK

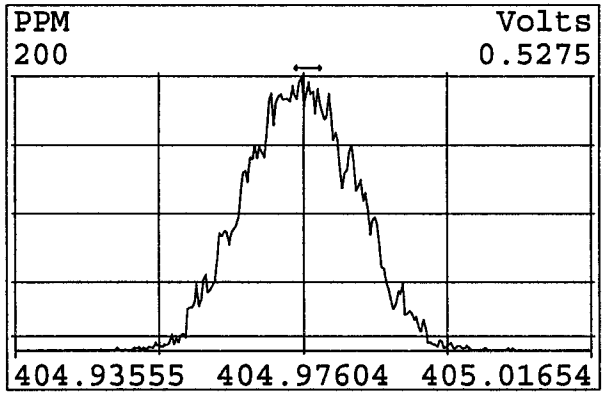


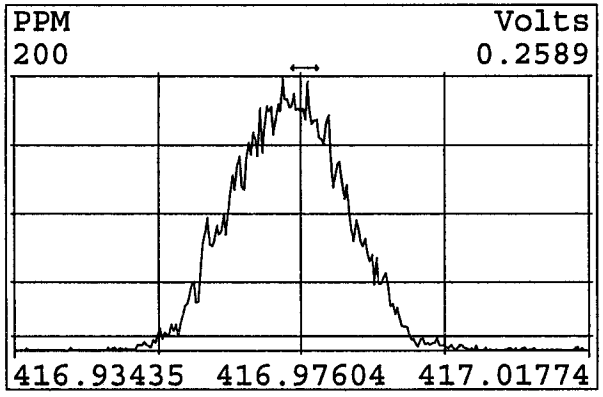
Peak Locate Examination:14-DEC-2010:14:49 File:14DE10A9D5
Experiment:DIOXINRES Function:3 Reference:PFK

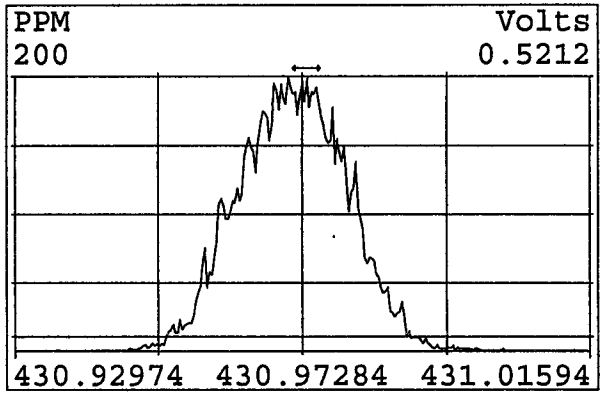


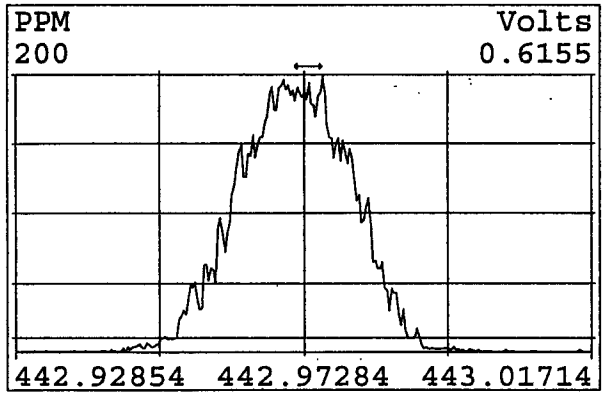


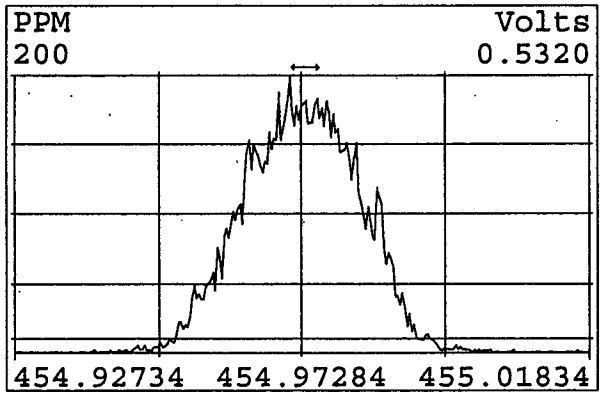




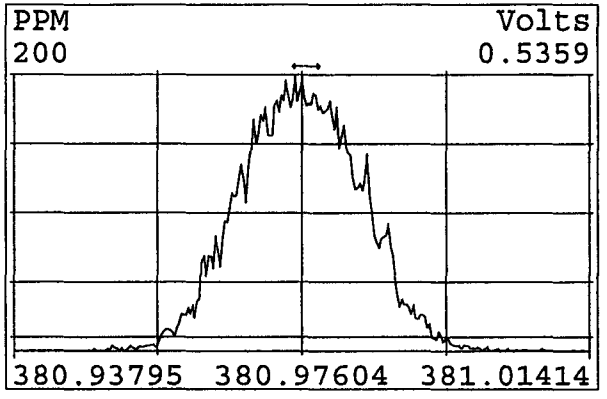


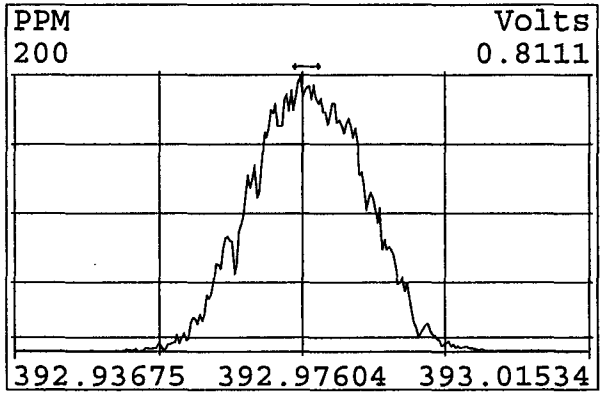


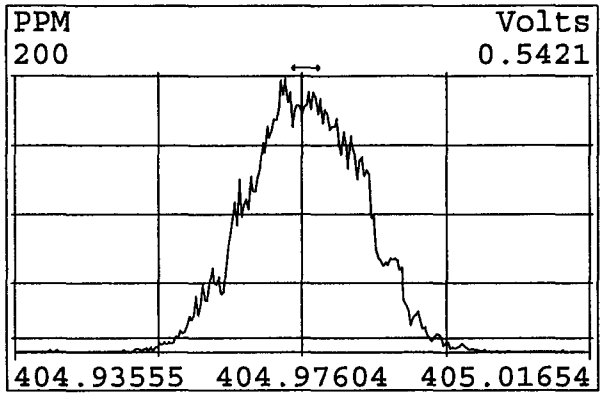


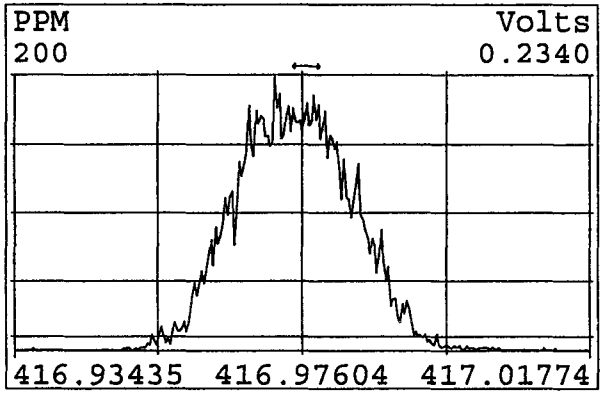


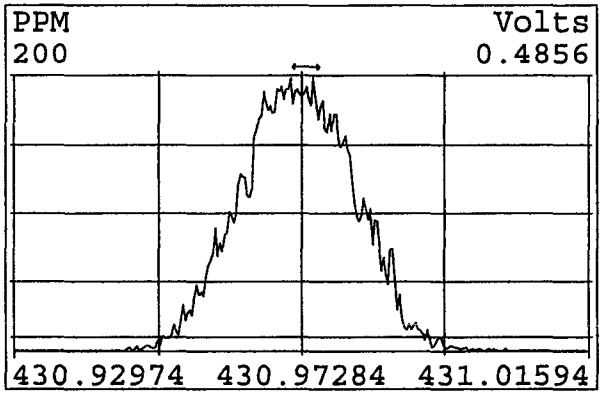
Peak Locate Examination:14-DEC-2010:14:49 File:14DE10A9D5
Experiment:DIOXINRES Function:4 Reference:PFK

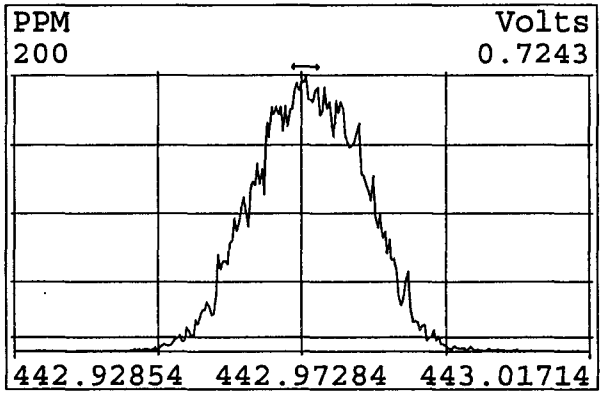


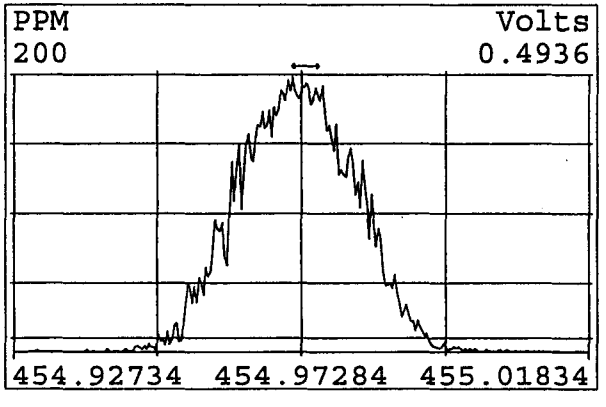


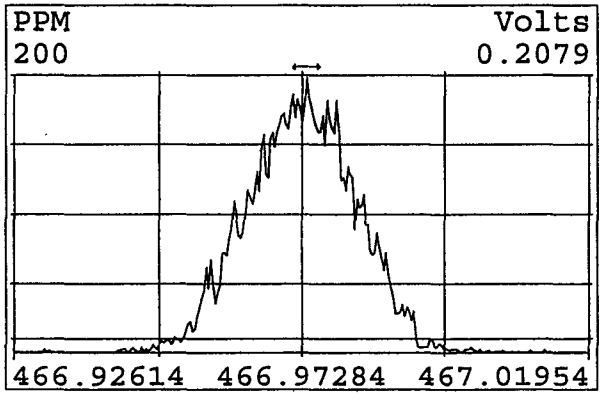


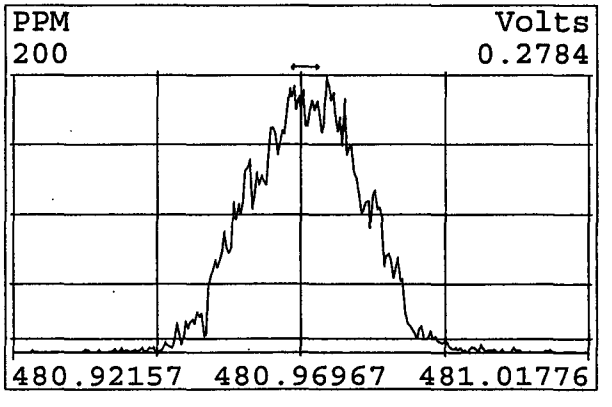




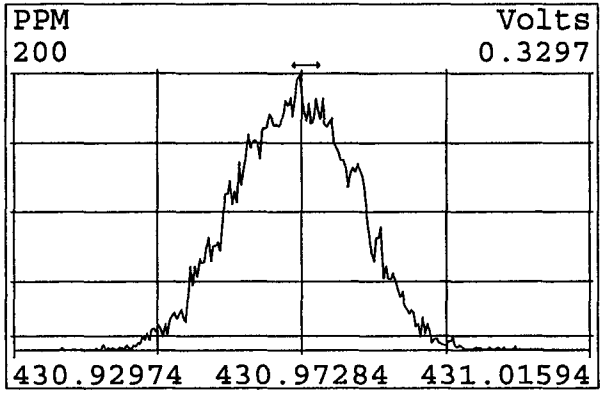


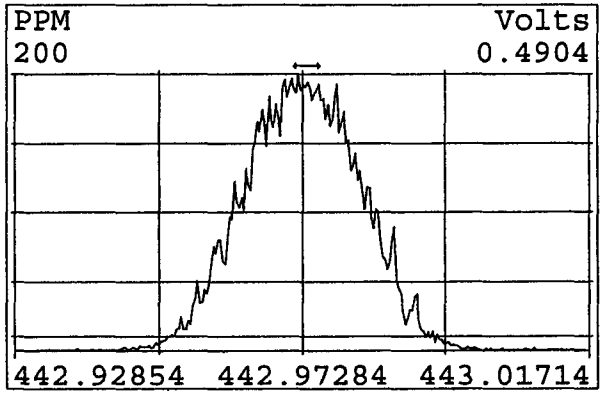


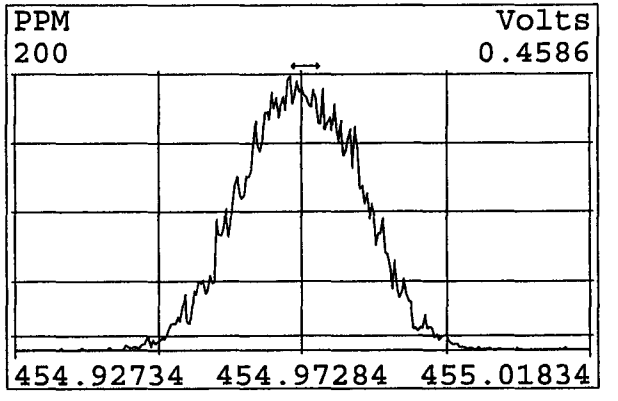


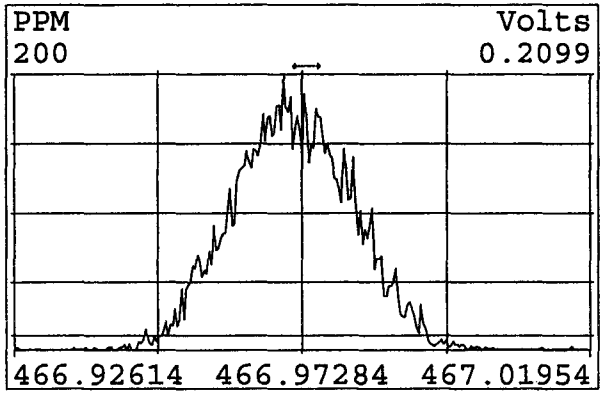


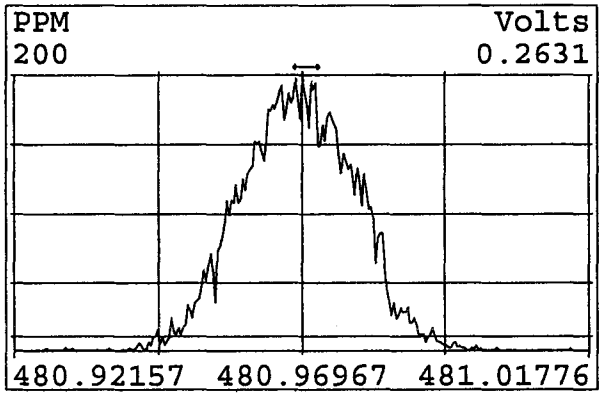
Peak Locate Examination:14-DEC-2010:14:49 File:14DE10A9D5
Experiment:DIOXINRES Function:5 Reference:PFK

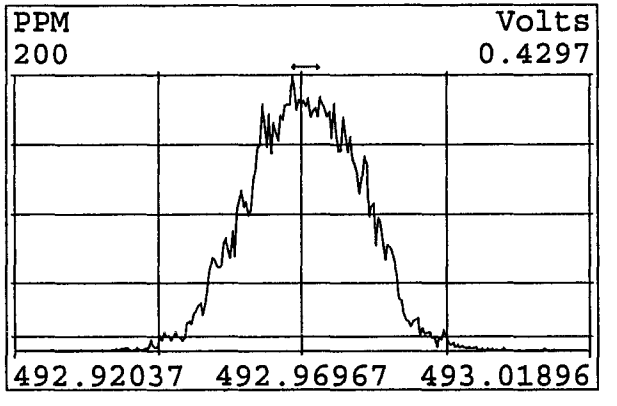


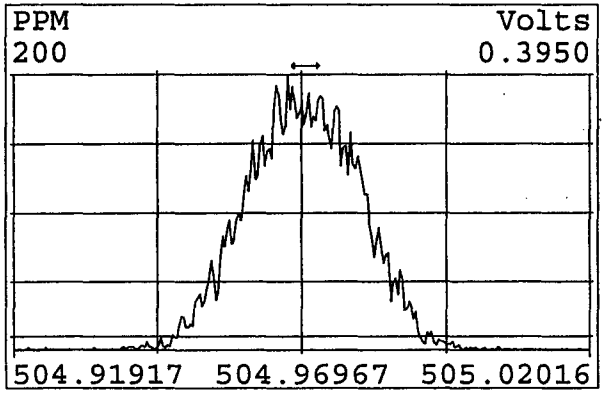


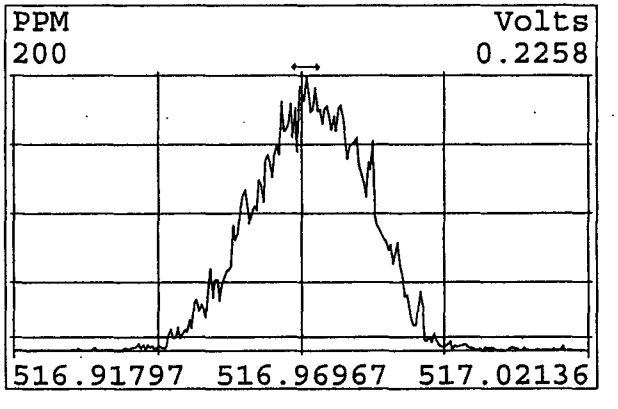




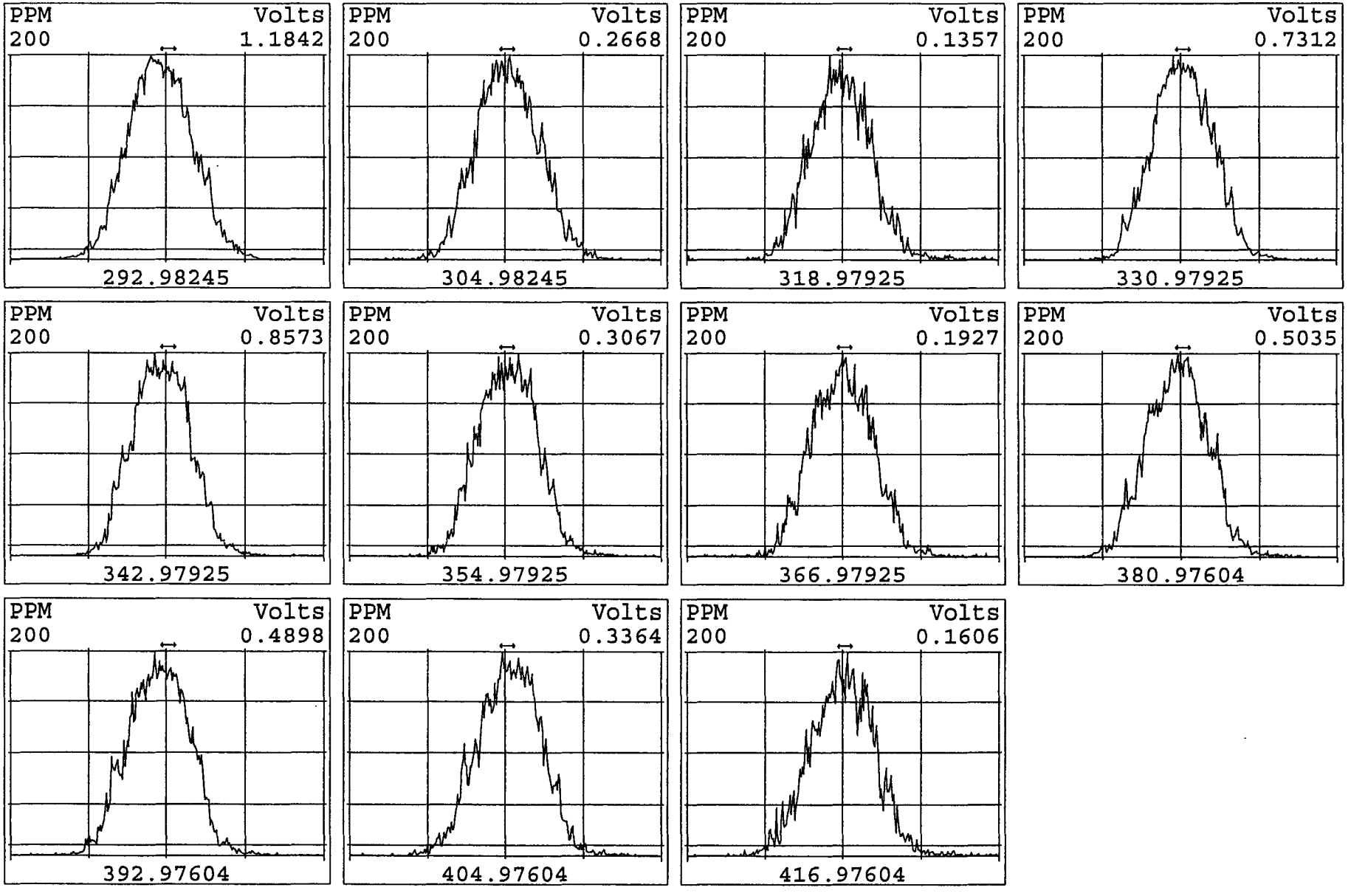




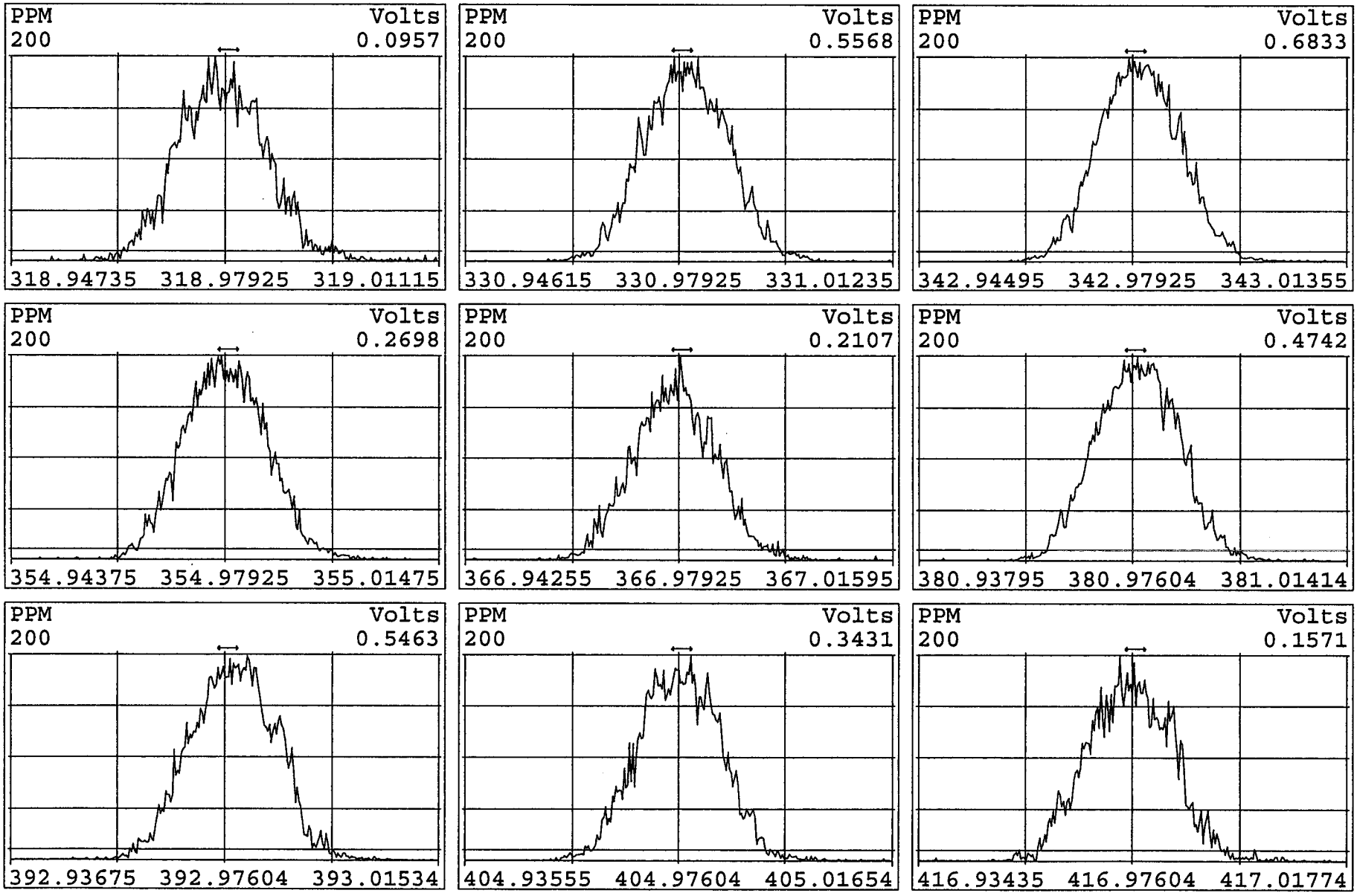




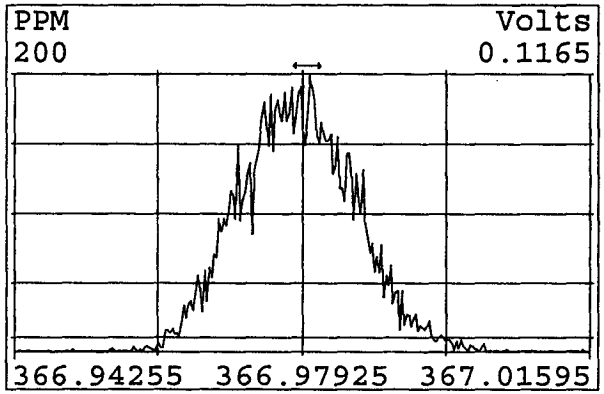
Peak Locate Examination:15-DEC-2010:02:07 File:RESCHECK9D5
Experiment:DIOXINRES Function:1 Reference:PFK

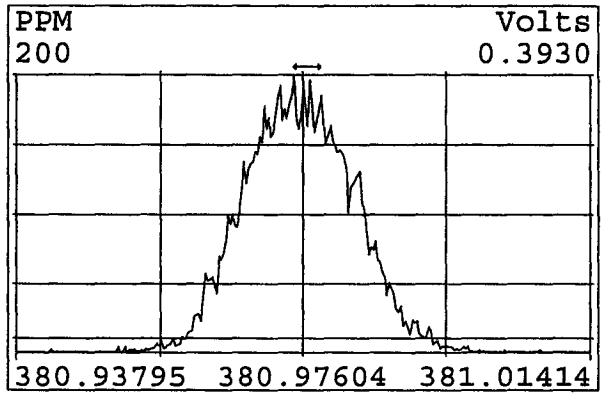


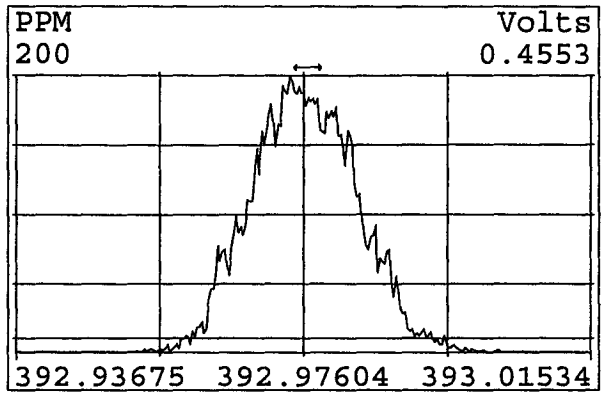
Peak Locate Examination:15-DEC-2010:02:08 File:RESCHECK9D5
Experiment:DIOXINRES Function:2 Reference:PFK

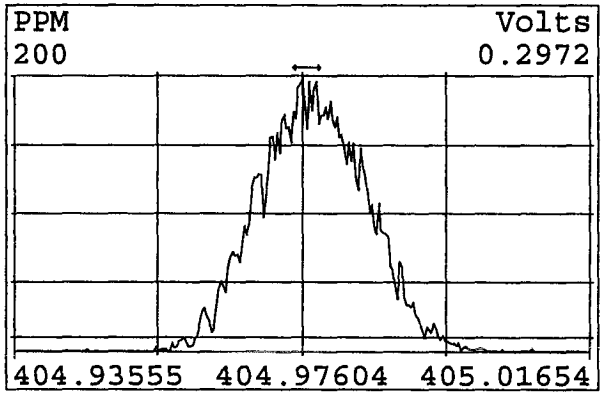


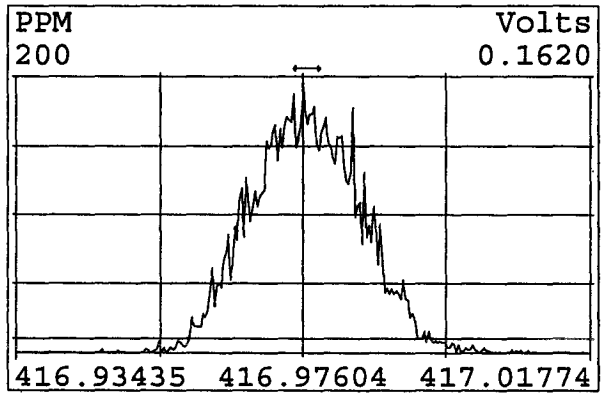
Peak Locate Examination:15-DEC-2010:02:09 File:RESCHECK9D5
Experiment:DIOXINRES Function:3 Reference:PFK

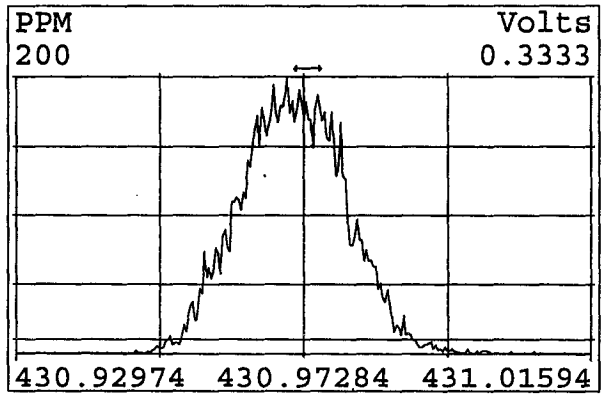


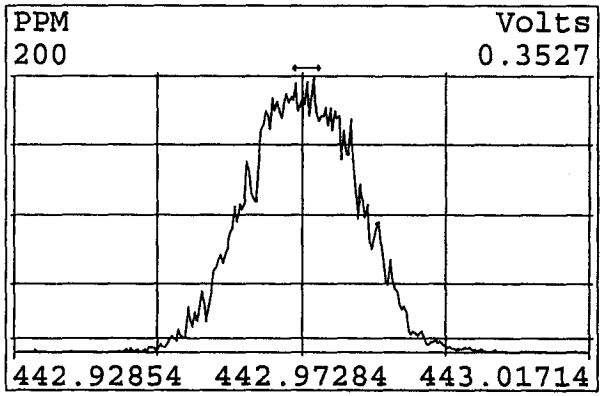


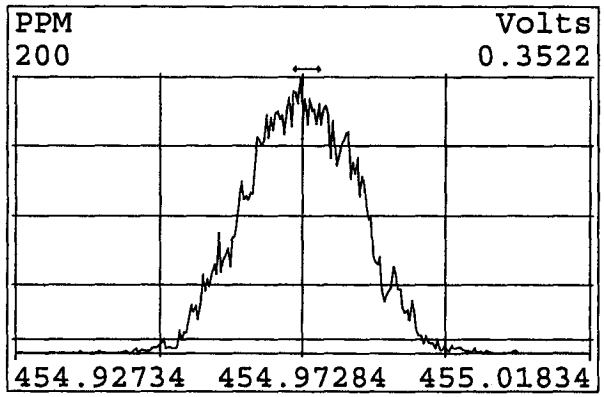




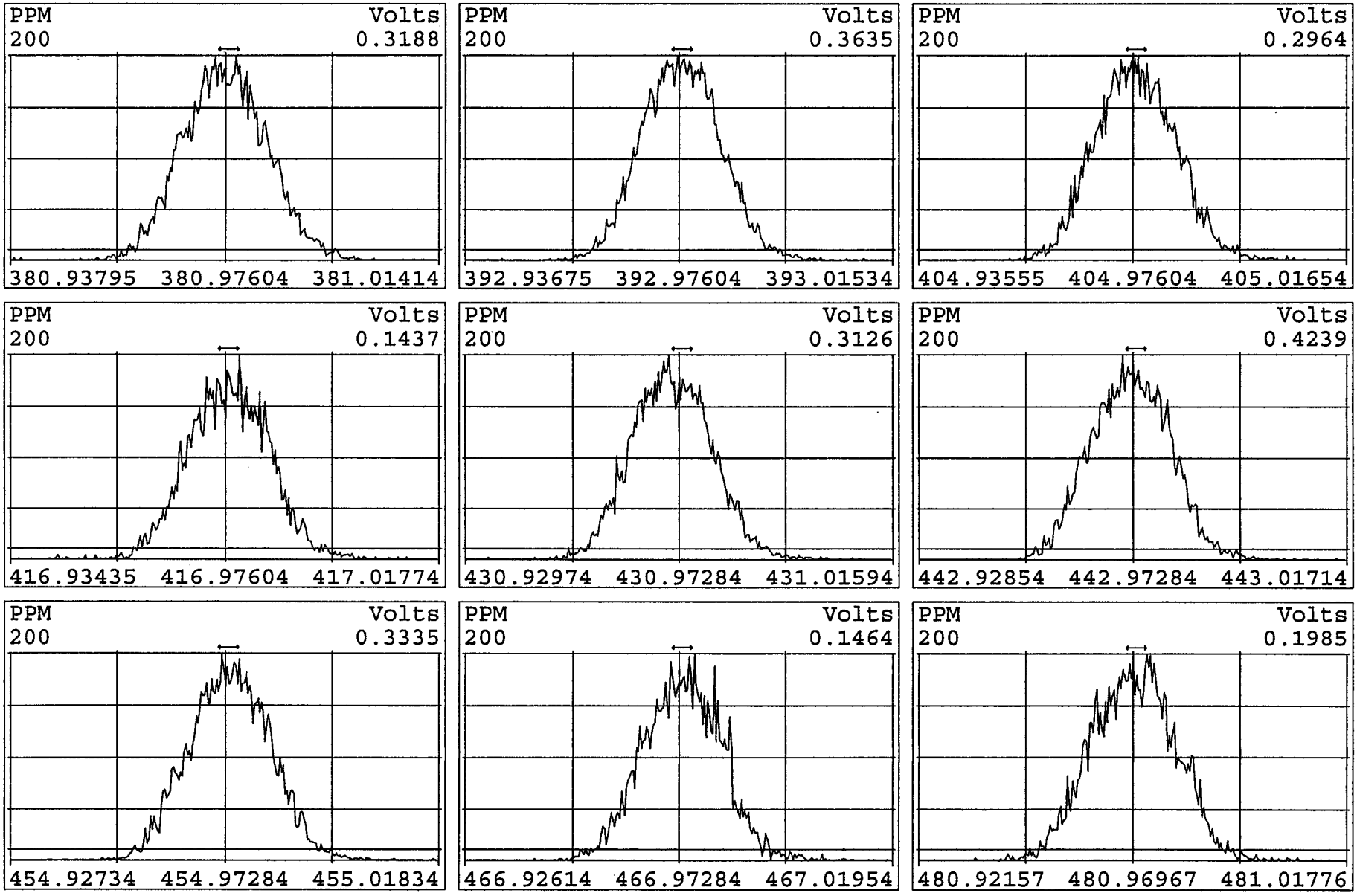




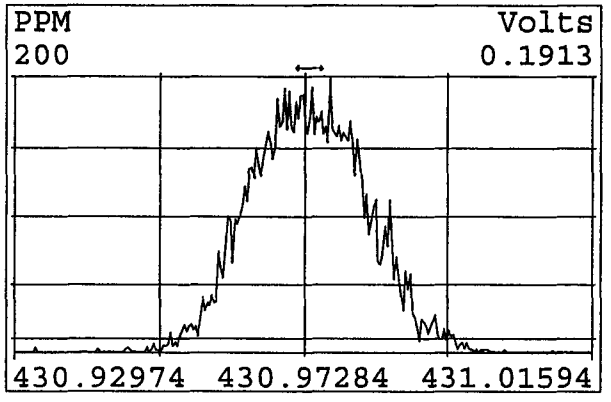


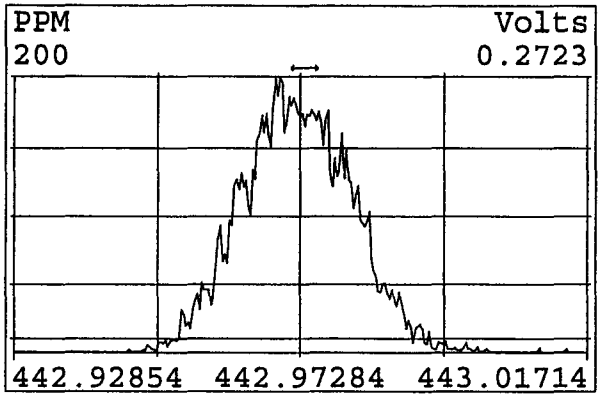


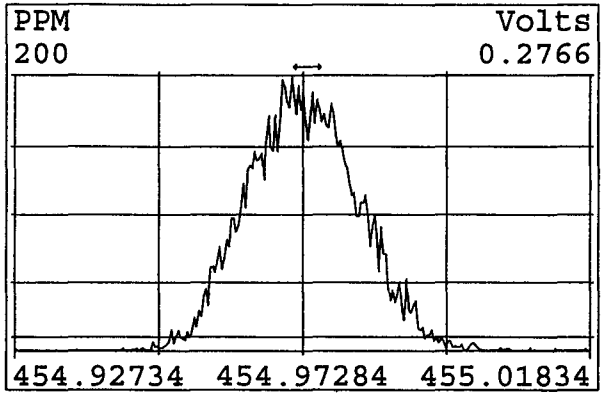
Peak Locate Examination:15-DEC-2010:02:10 File:RESCHECK9D5
Experiment:DIOXINRES Function:4 Reference:PFK

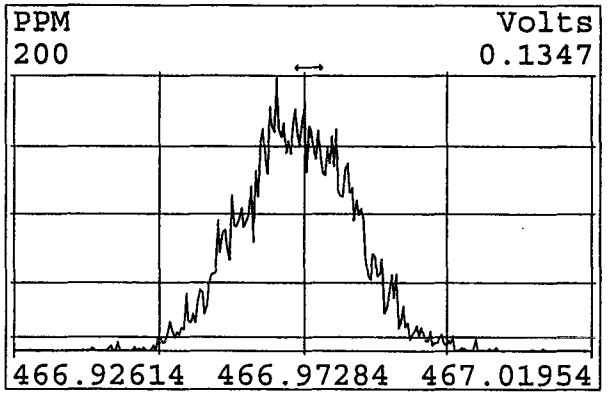


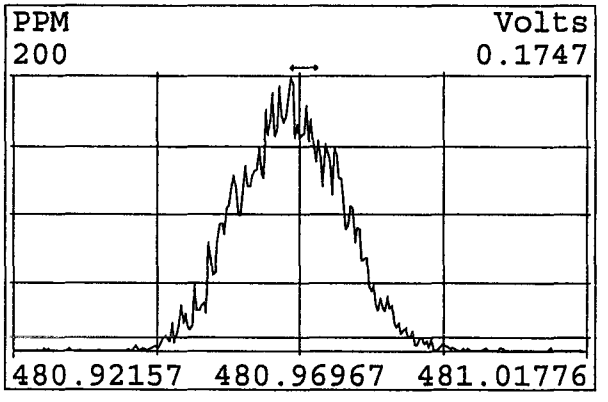
Peak Locate Examination:15-DEC-2010:02:11 File:RESCHECK9D5
Experiment:DIOXINRES Function:5 Reference:PFK

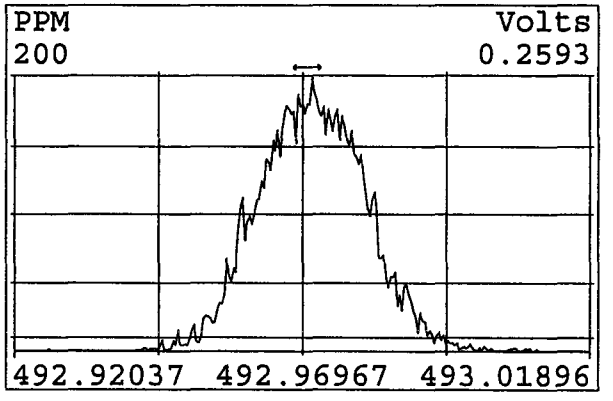


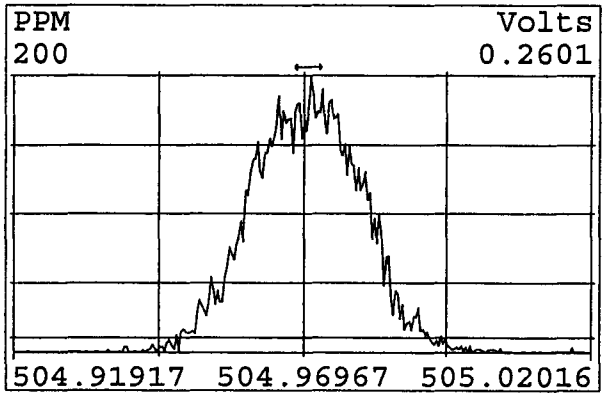


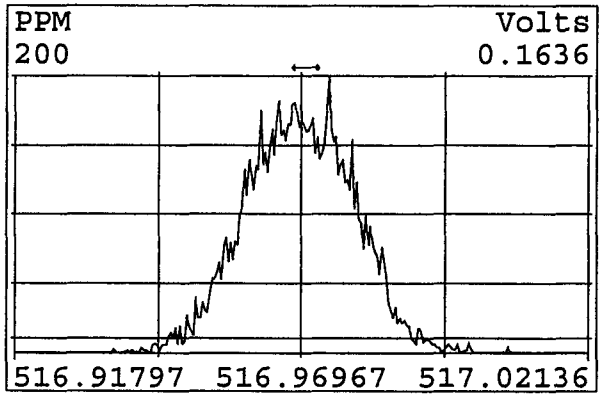


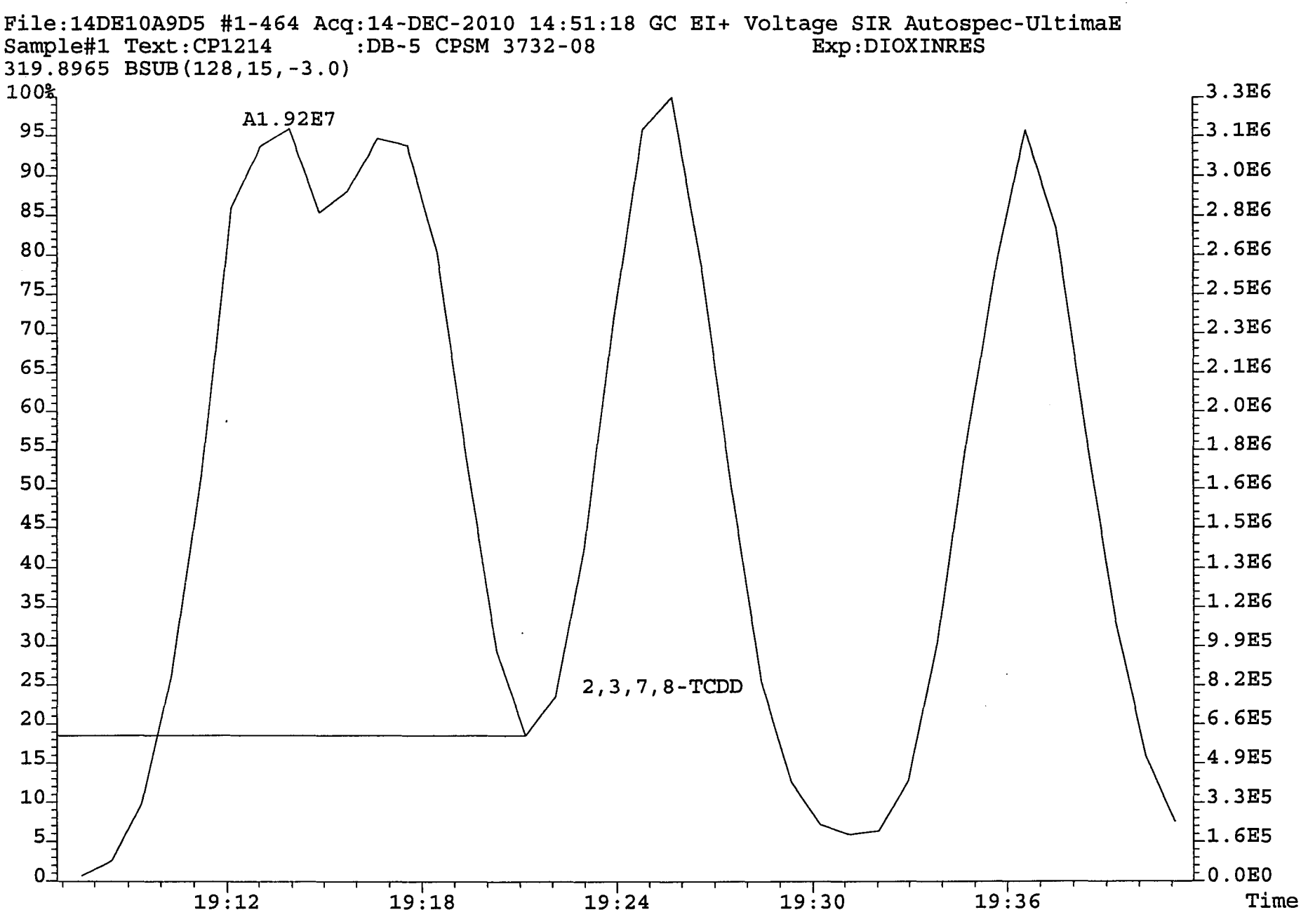











File:14DE10A9D5 #1-464 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES
319.8965 BSUB(128,15,-3.0)
A1.92E7
2,3,7,8-TCDD
100%
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3.3E6
3.1E6
3.0E6
2.8E6
2.6E6
2.5E6
2.3E6
2.1E6
2.0E6
1.8E6
1.6E6
1.5E6
1.3E6
1.2E6
9.9E5
8.2E5
6.6E5
4.9E5
3.3E5
1.6E5
0.0E0
19:12
19:18
19:24
19:30
19:36
Time

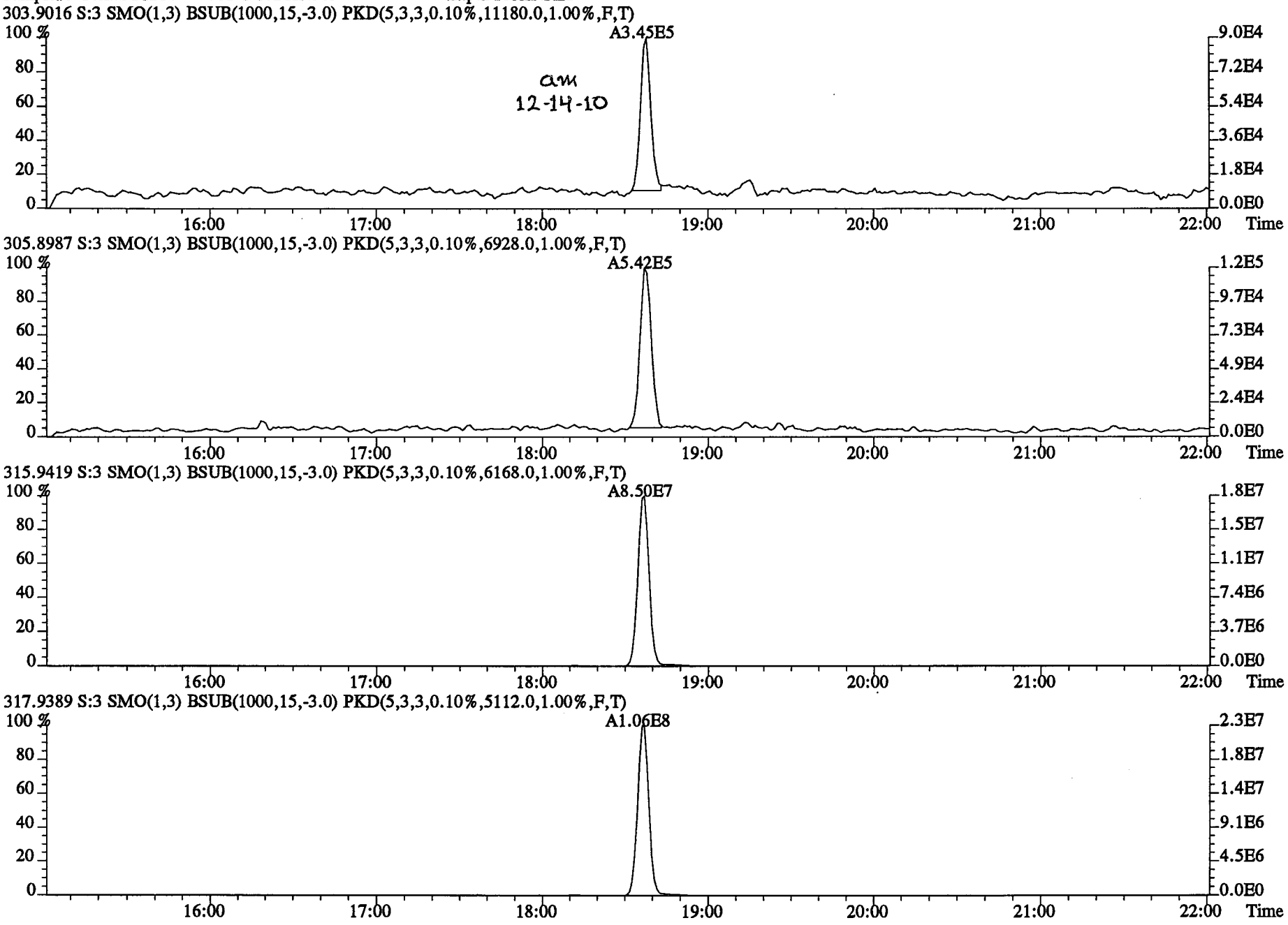
Run text: ST1214E Sample text: ST1214E :2nd Source 10DXN340
Run #6 Filename: 14DE10A9D5 S: 8 I: 1 Results: 14DE10A9D51613
Acquired: 14-DEC-10 20:05:36 Processed: 14-DEC-10 21:04:05
Run: 14DE10A9D5 Analyte: 1613 Cal: 16131214109D5
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

AS 12-15-10

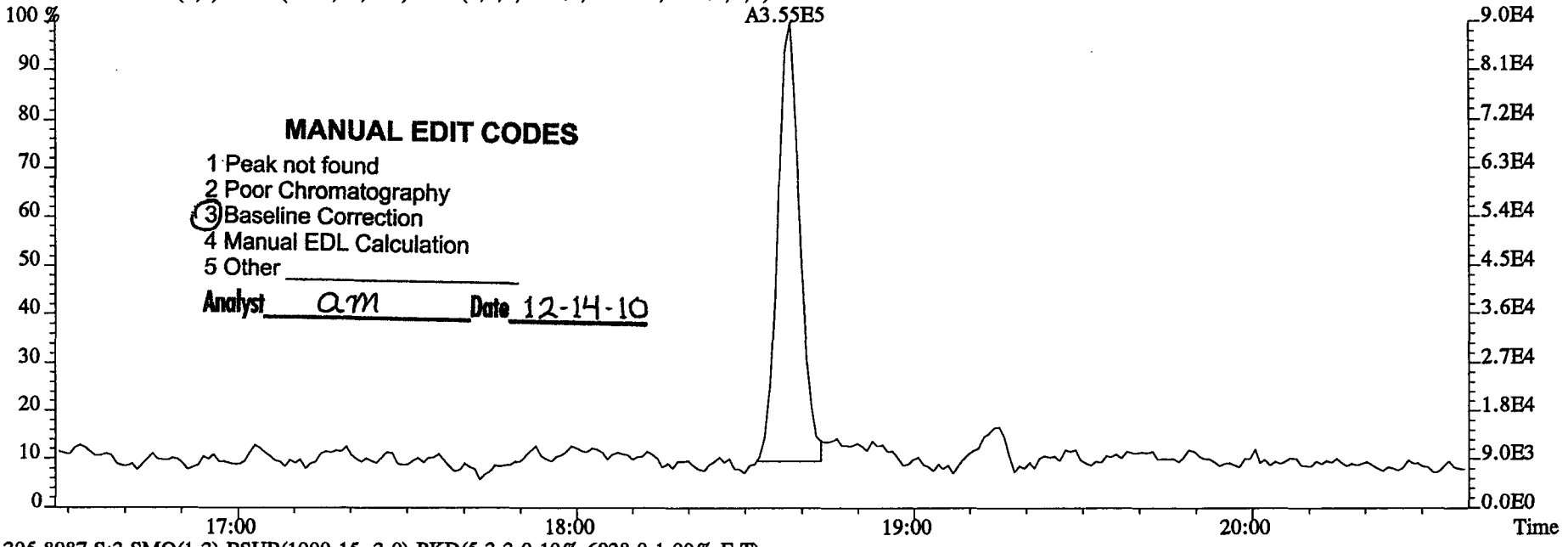
Name	Resp	RA		RT	RRF	Conc		EDL	Rec	M
13C-1,2,3,4-TCDD	160439400	0.77	y	19:13	-	101.67		-	-	n
13C-2,3,7,8-TCDF	175349000	0.79	y	18:37	1.11	1962.23		1.95	98.1	n
2,3,7,8-TCDF	14760570	0.74	y	18:38	0.88	190.68	95.34%	4.36	-	n
Total TCDF	14760570	0.74	y	18:38	0.88	190.68		4.36	-	n
13C-2,3,7,8-TCDD	159187500	0.77	y	19:24	0.97	2041.60		4.79	102.1	n
2,3,7,8-TCDD	12989870	0.79	y	19:26	0.87	187.25	93.62%	2.03	-	n
Total TCDD	13086881	2.58	n	18:37	0.87	188.65		2.03	-	n
37Cl-2,3,7,8-TCDD	35342400	1.00	y	19:26	1.19	370.29		1.19	92.6	n
13C-1,2,3,7,8-PeCDF	148490200	1.50	y	24:17	0.92	2009.78		2.19	100.5	n
1,2,3,7,8-PeCDF	37333600	1.54	y	24:18	1.06	472.33	94.47%	3.41	-	n
13C-2,3,4,7,8-PeCDF	139992900	1.49	y	25:46	0.91	1923.36		2.22	96.2	n
2,3,4,7,8-PeCDF	35727200	1.56	y	25:48	1.04	489.09	97.82%	4.14	-	n
Total F2 PeCDF	73499719	1.54	y	24:18	1.05	967.20		3.77	-	n
Total F1 PeCDF	204576	2.25	n	19:13	1.05	2.69		2.90	-	n
13C-1,2,3,7,8-PeCDD	132921000	1.54	y	26:36	0.83	1997.79		1.33	99.9	n
1,2,3,7,8-PeCDD	24840900	1.48	y	26:38	0.79	471.28	94.26%	2.43	-	n
Total PeCDD	24985543	5.52	n	24:17	0.79	474.03		2.43	-	n
13C-1,2,3,7,8,9-HxCDD	103958700	1.31	y	32:49	-	101.30		-	-	n
13C-1,2,3,4,7,8-HxCDF	107082500	0.51	y	31:40	1.07	1921.46		1.76	96.1	n
1,2,3,4,7,8-HxCDF	27876600	1.18	y	31:41	1.06	489.90	97.98%.	2.98	-	n
13C-1,2,3,6,7,8-HxCDF	122816600	0.51	y	31:47	1.20	1961.34		1.57	98.1	n
1,2,3,6,7,8-HxCDF	29904400	1.20	y	31:48	1.00	488.14	97.63%.	2.93	-	n
13C-2,3,4,6,7,8-HxCDF	118190600	0.51	y	32:21	1.12	2025.67		1.69	101.3	n
2,3,4,6,7,8-HxCDF	27900500	1.20	y	32:22	1.00	471.89	94.38%	2.70	-	n
13C-1,2,3,7,8,9-HxCDF	109426000	0.50	y	32:59	1.04	2029.60		1.82	101.5	n
1,2,3,7,8,9-HxCDF	25983900	1.18	y	33:00	0.98	482.61	96.52%.	2.83	-	n
Total HxCDF	111665400	1.18	y	31:41	1.01	1932.55		2.86	-	n
13C-1,2,3,4,7,8-HxCDD	97817400	1.31	y	32:29	0.88	2133.20		4.31	106.7	n
1,2,3,4,7,8-HxCDD	24116100	1.31	y	32:30	1.12	440.08	88%	0.92	-	n
13C-1,2,3,6,7,8-HxCDD	87720900	1.32	y	32:33	0.89	1900.41		4.28	95.0	n
1,2,3,6,7,8-HxCDD	24279700	1.08	y	32:34	1.16	477.48	95.5%	0.96	-	n
1,2,3,7,8,9-HxCDD	26733900	1.20	y	32:50	1.21	478.27	95.65%.	0.89	-	n
Total HxCDD	75241420	3.59	n	31:40	1.16	1397.90		0.92	-	n
13C-1,2,3,4,6,7,8-HpCDF	102868800	0.43	y	34:18	0.95	2087.41		2.21	104.4	n
1,2,3,4,6,7,8-HpCDF	34742300	1.02	y	34:19	1.44	470.63	94.13%	1.68	-	n
13C-1,2,3,4,7,8,9-HpCDF	87971200	0.45	y	35:24	0.85	1981.15		2.45	99.1	n
1,2,3,4,7,8,9-HpCDF	29054000	1.02	y	35:24	1.36	484.85	96.97%.	2.21	-	n
Total HpCDF	64414435	1.02	y	34:19	1.40	964.74		1.92	-	n

13C-1,2,3,4,6,7,8-HpCDD	113394500	1.00	y	35:05	1.08	2028.69		3.76	101.4	n
1,2,3,4,6,7,8-HpCDD	24114600	1.03	y	35:06	0.90	475.06	95 %	1.19	-	n
Total HpCDD	24626113	3.07	n	34:18	0.90	485.13		1.19	-	n
13C-OCDD	142425600	0.85	y	37:31	0.69	3971.94		1.70	99.3	n
OCDF	40619900	0.89	y	37:38	1.18	966.77	96.68 %	1.17	-	n
OCDD	40153100	0.93	y	37:31	1.14	990.47	99 %	2.36	-	n

File:14DE10A9D5 #1-464 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES



File:14DE10A9D5 #1-464 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11180.0,1.00%,F,T)

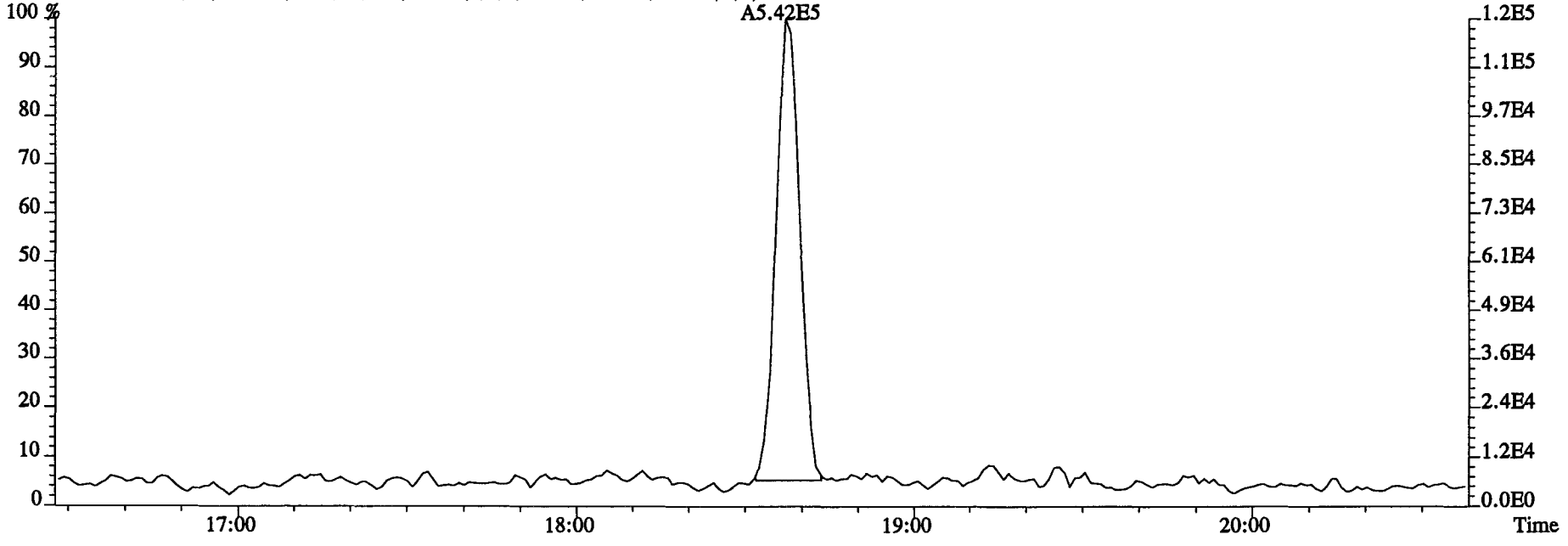


MANUAL EDIT CODES

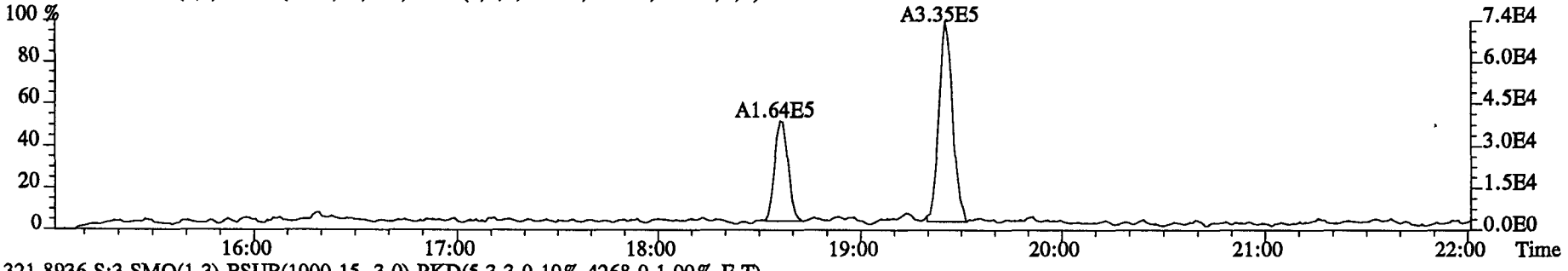
1 Peak not found
2 Poor Chromatography
(3) Baseline Correction
4 Manual EDL Calculation
5 Other _____

Analyst am Date 12-14-10

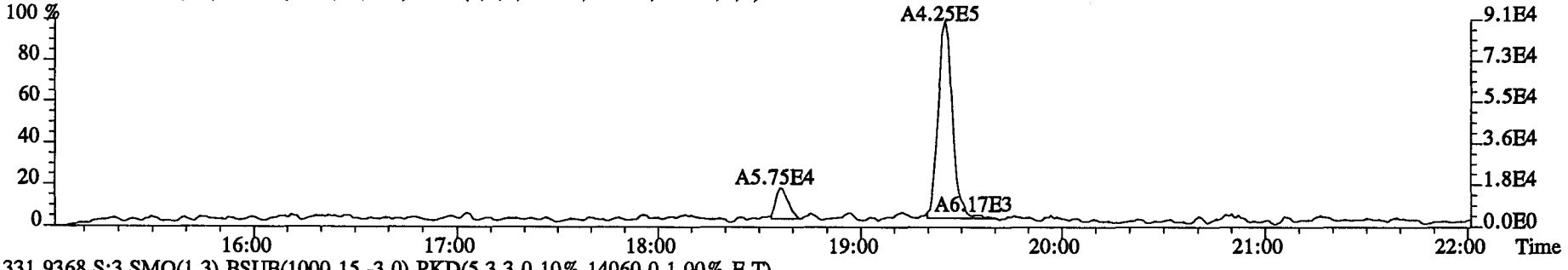
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6928.0,1.00%,F,T)



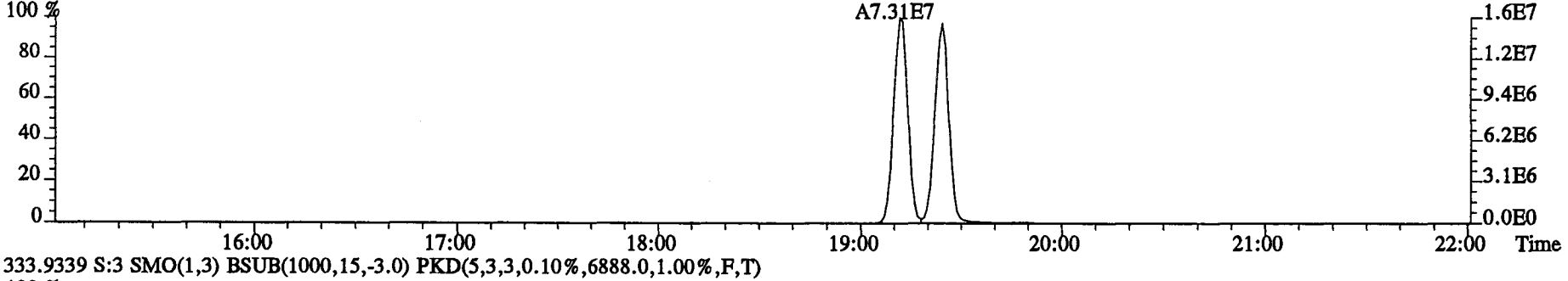
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3992.0,1.00%,F,T)



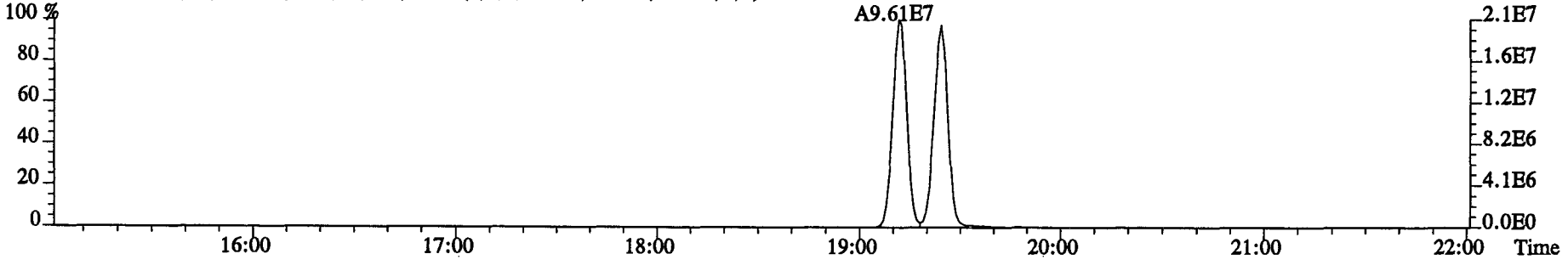
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4268.0,1.00%,F,T)



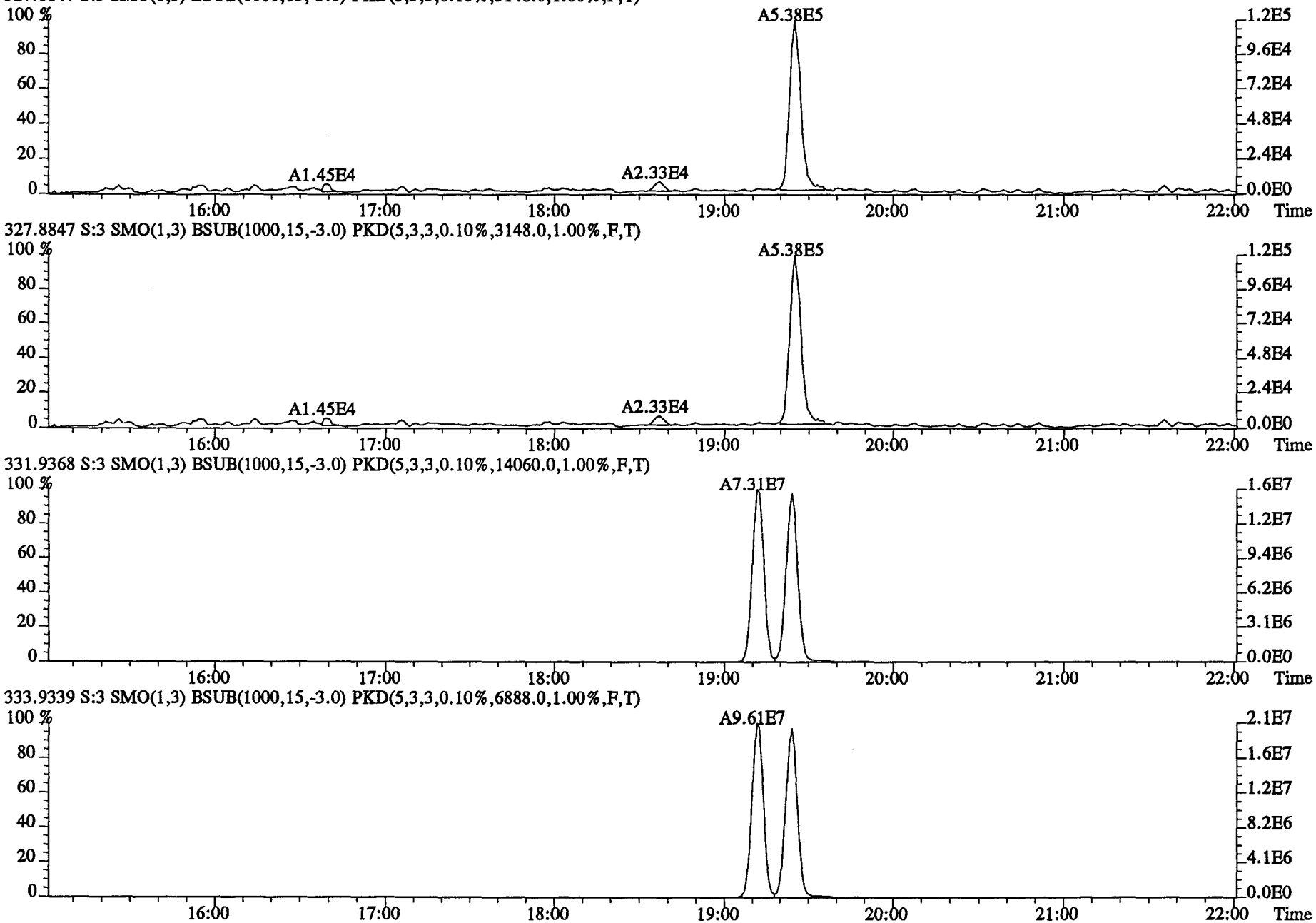
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14060.0,1.00%,F,T)



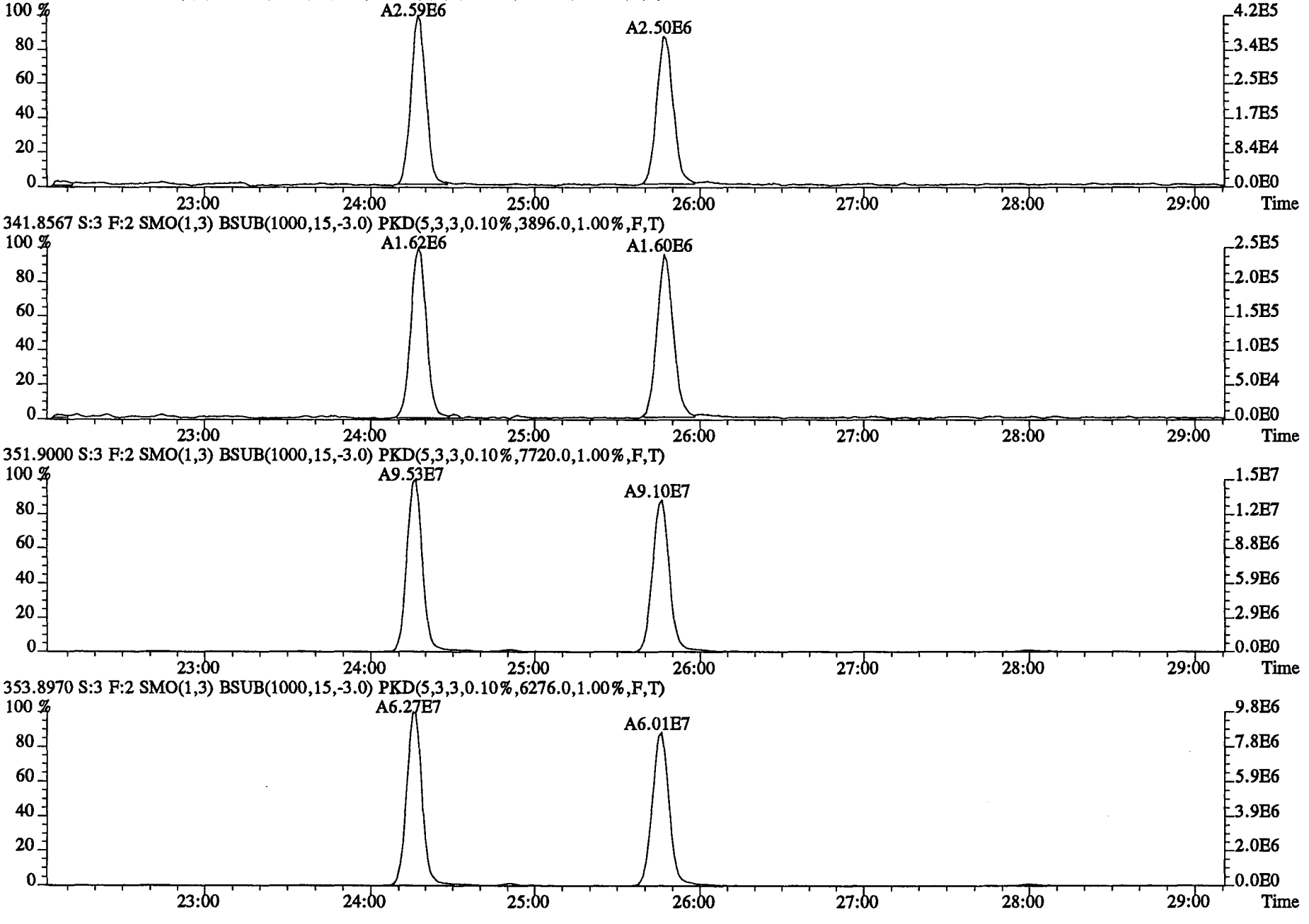
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6888.0,1.00%,F,T)



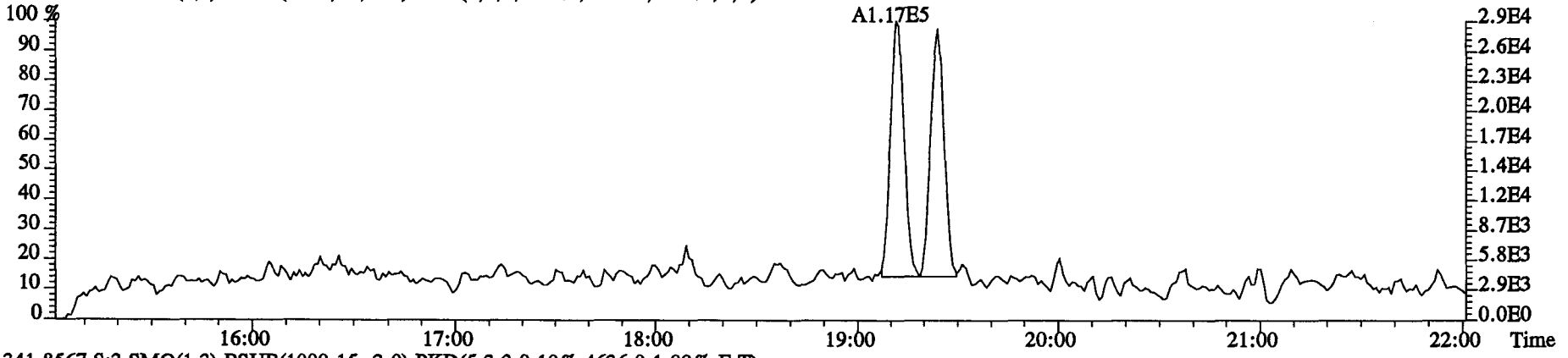
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES



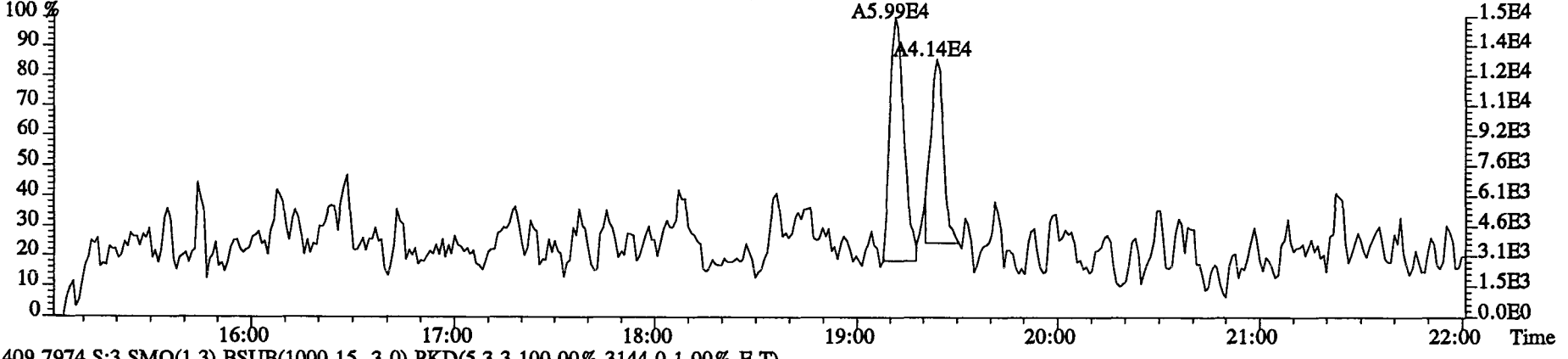
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES



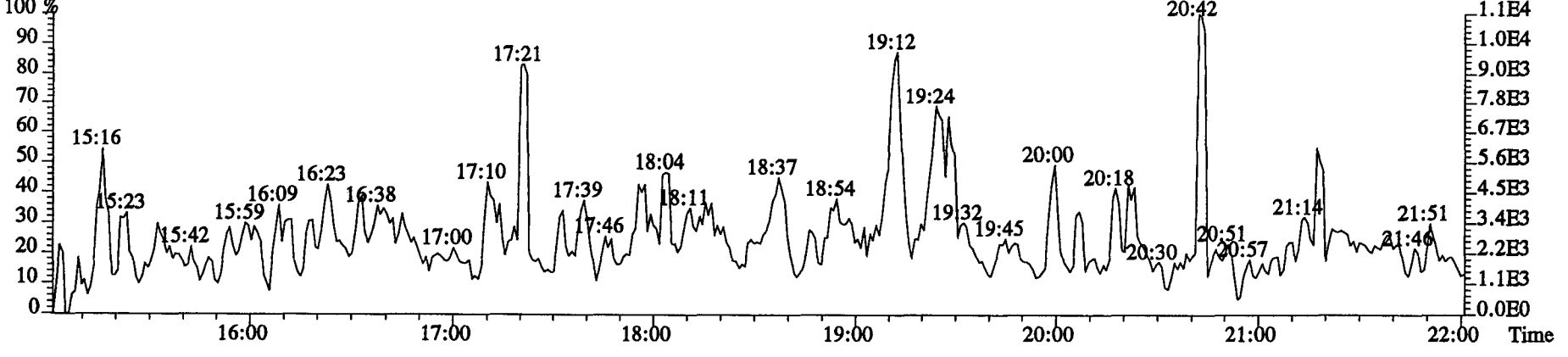
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5084.0,1.00%,F,T)



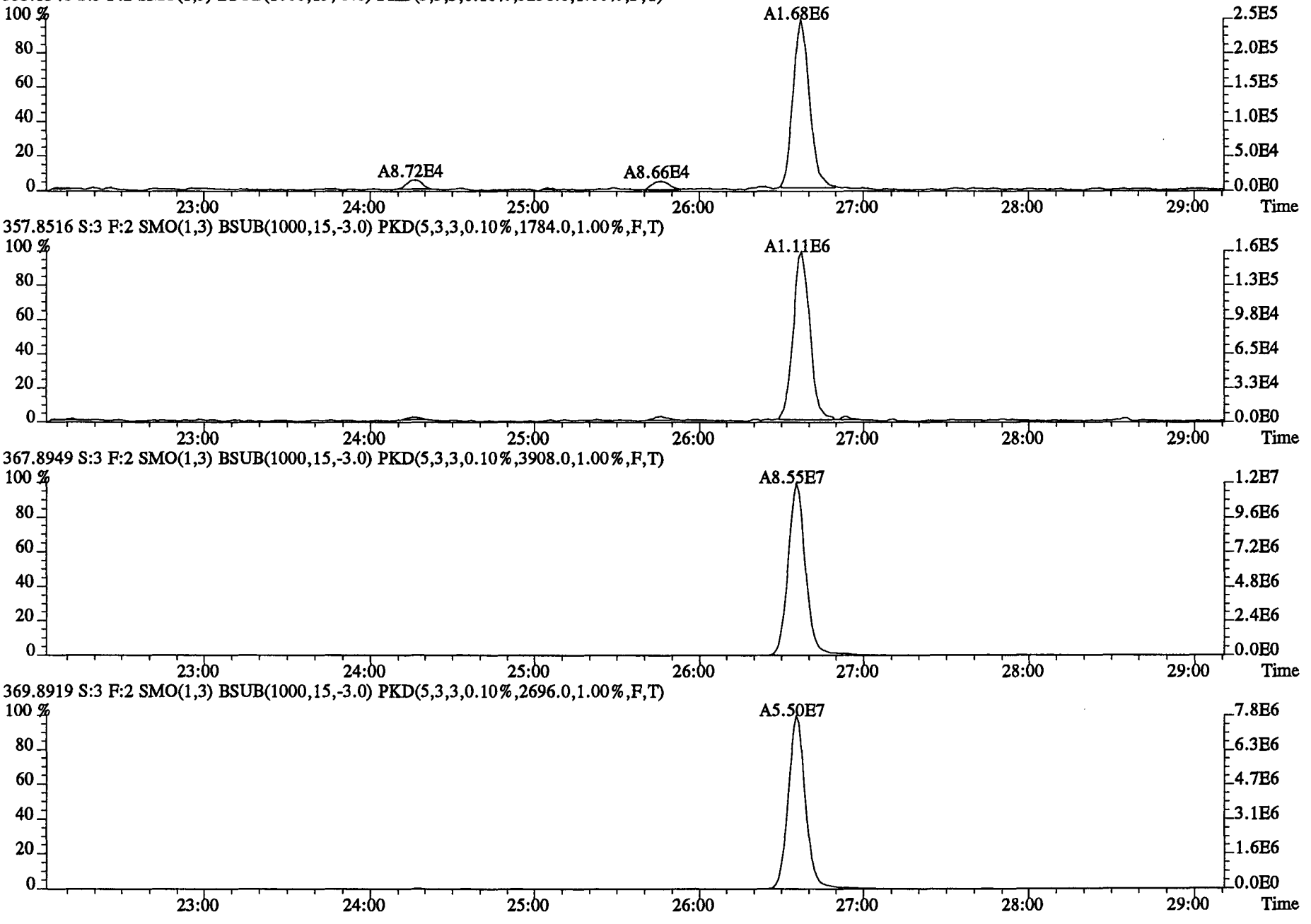
341.8567 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4636.0,1.00%,F,T)



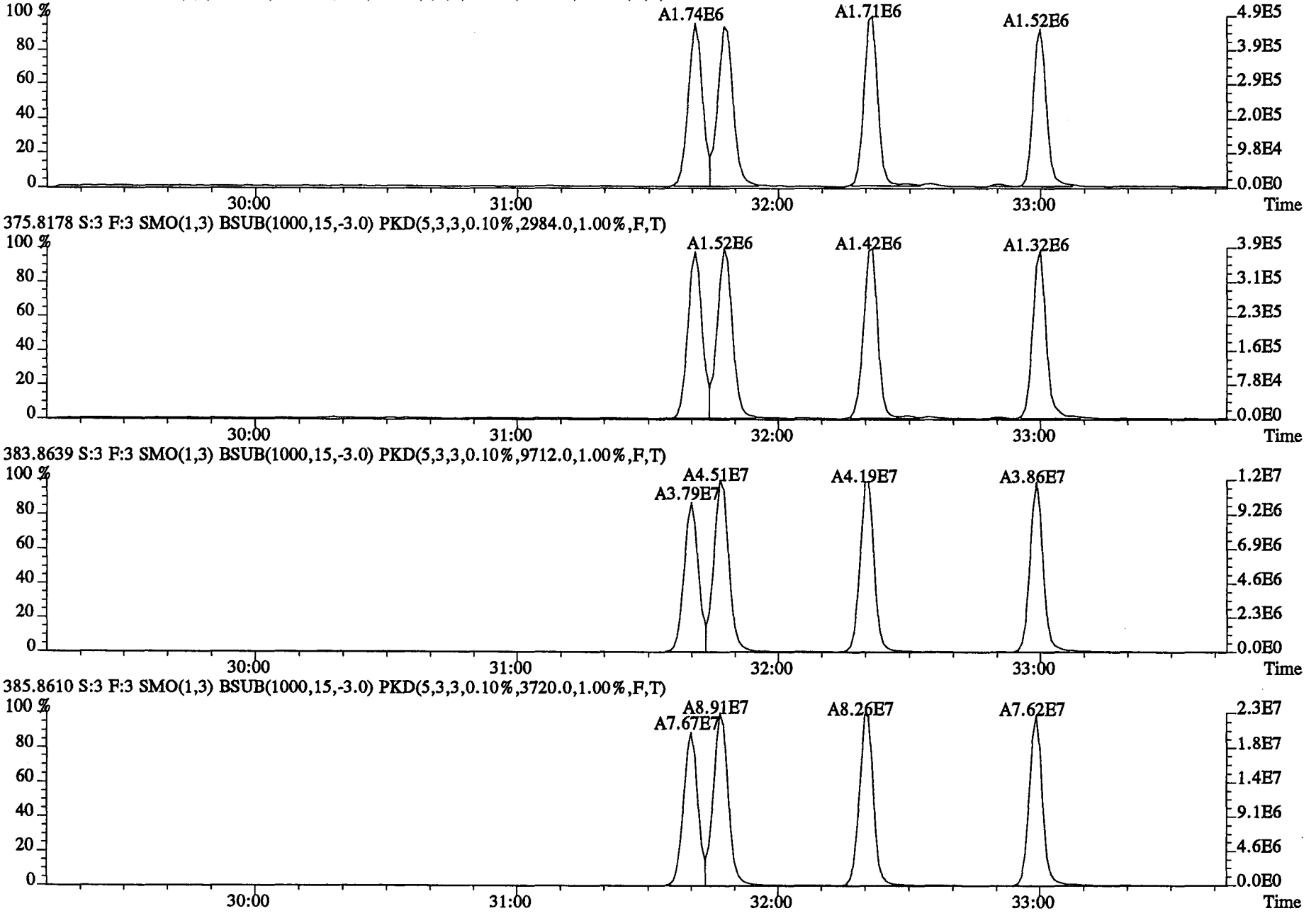
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3144.0,1.00%,F,T)



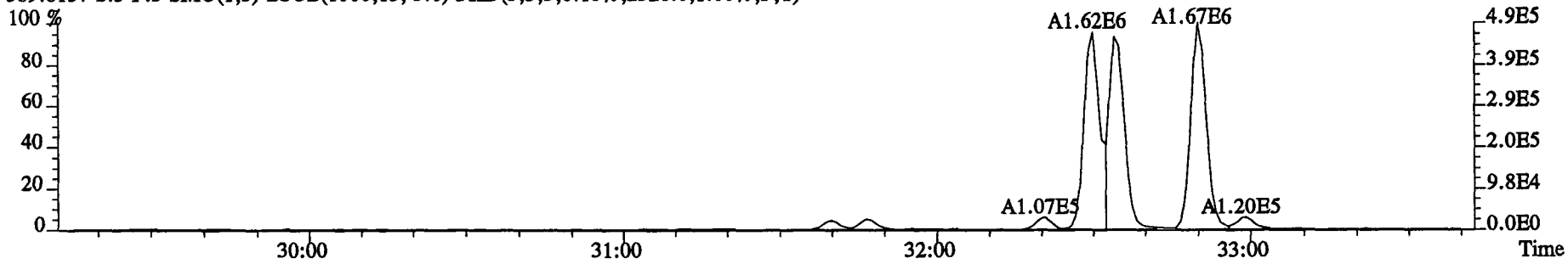
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES

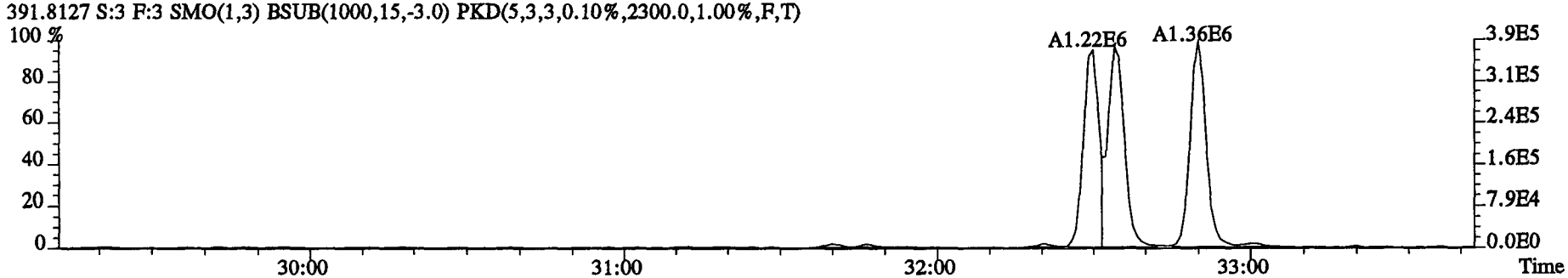


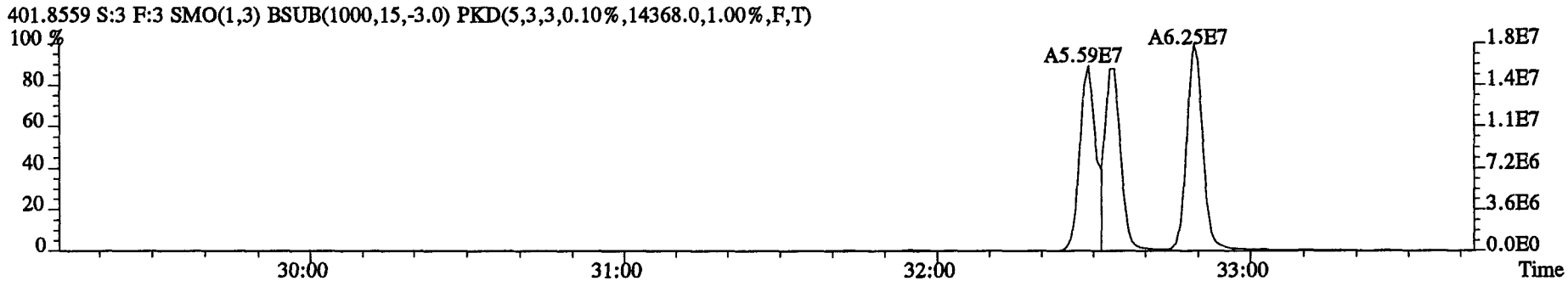
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES

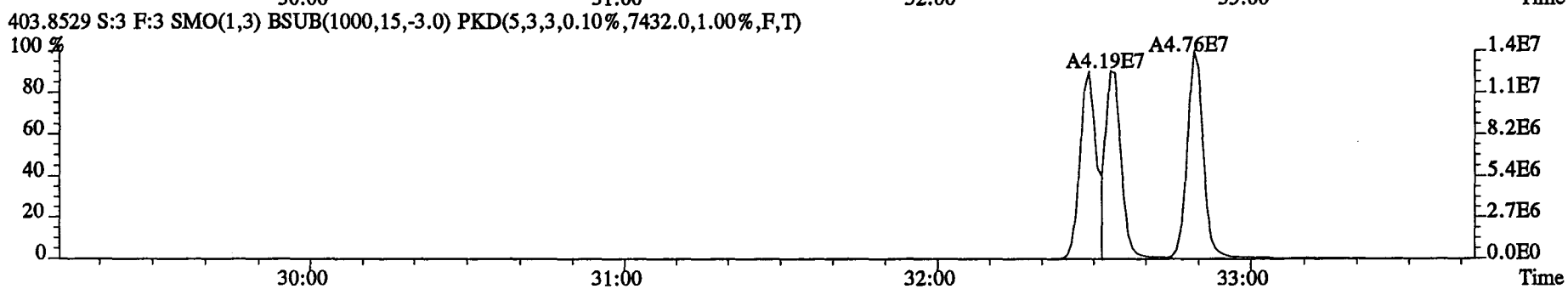


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES

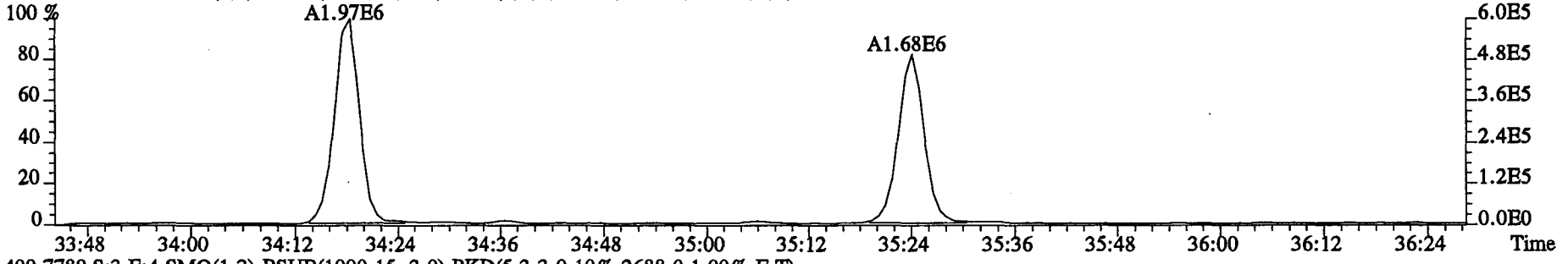




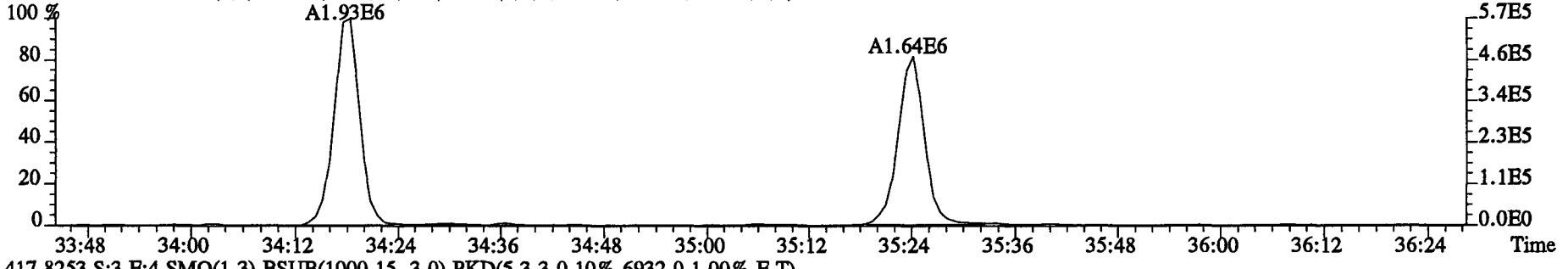




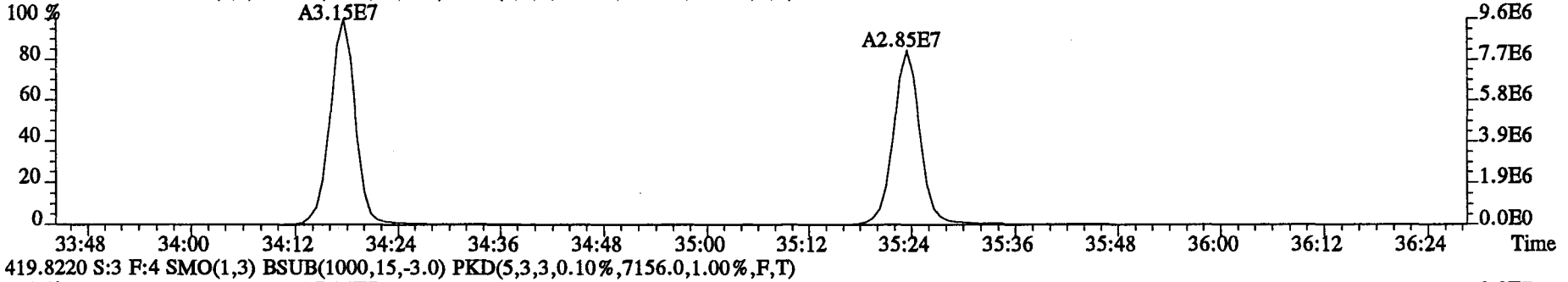
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7656.0,1.00%,F,T)



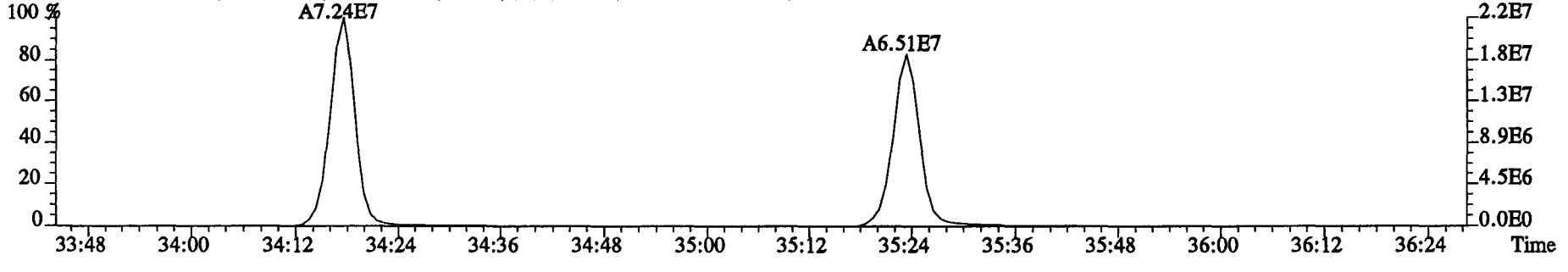
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2688.0,1.00%,F,T)



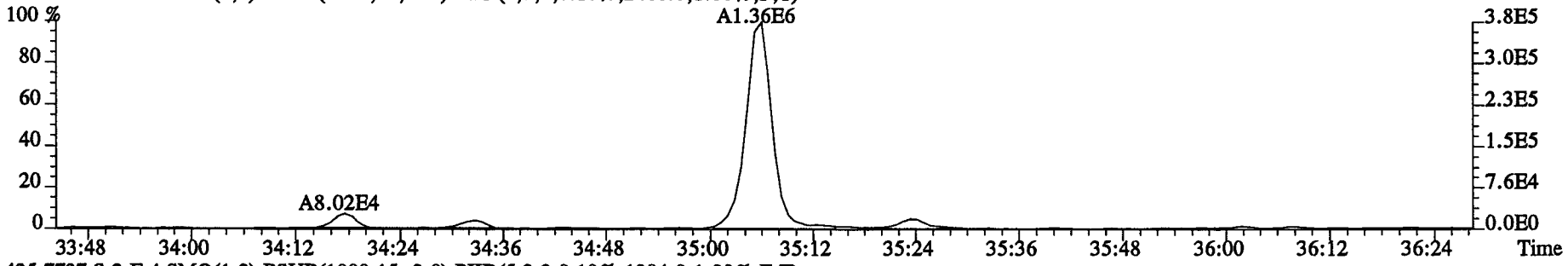
417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6932.0,1.00%,F,T)



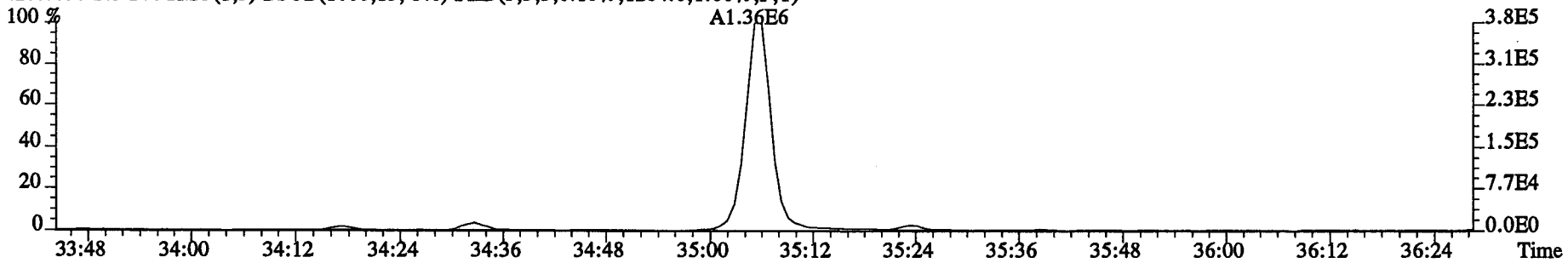
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7156.0,1.00%,F,T)



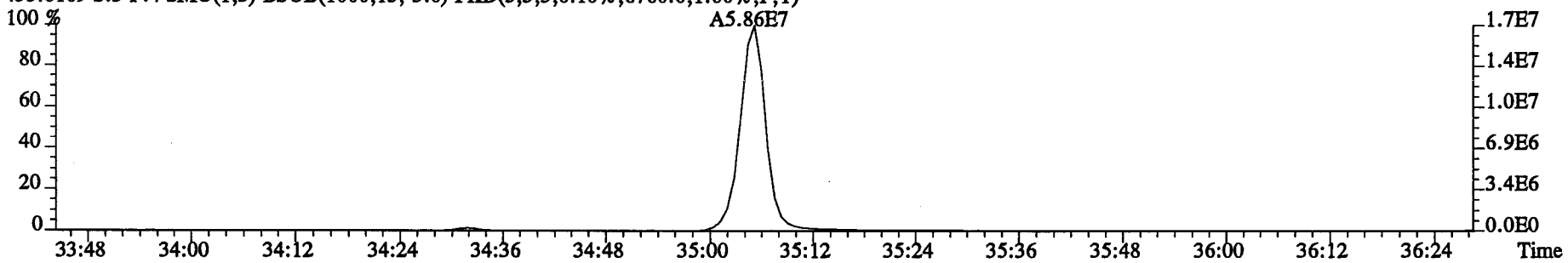
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2488.0,1.00%,F,T)



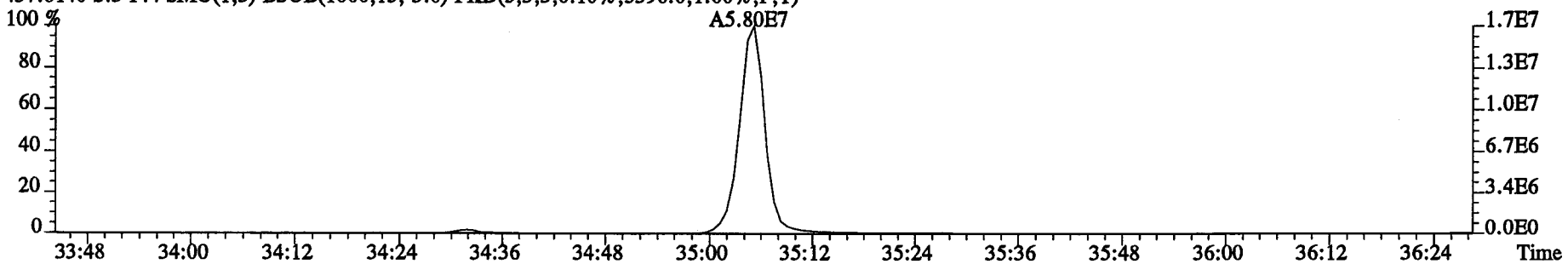
425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1284.0,1.00%,F,T)



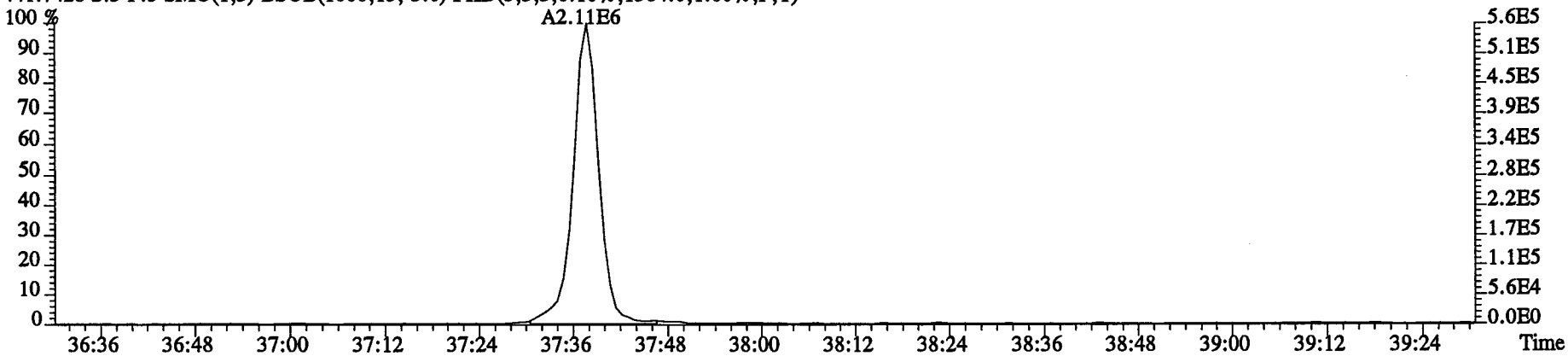
435.8169 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6760.0,1.00%,F,T)



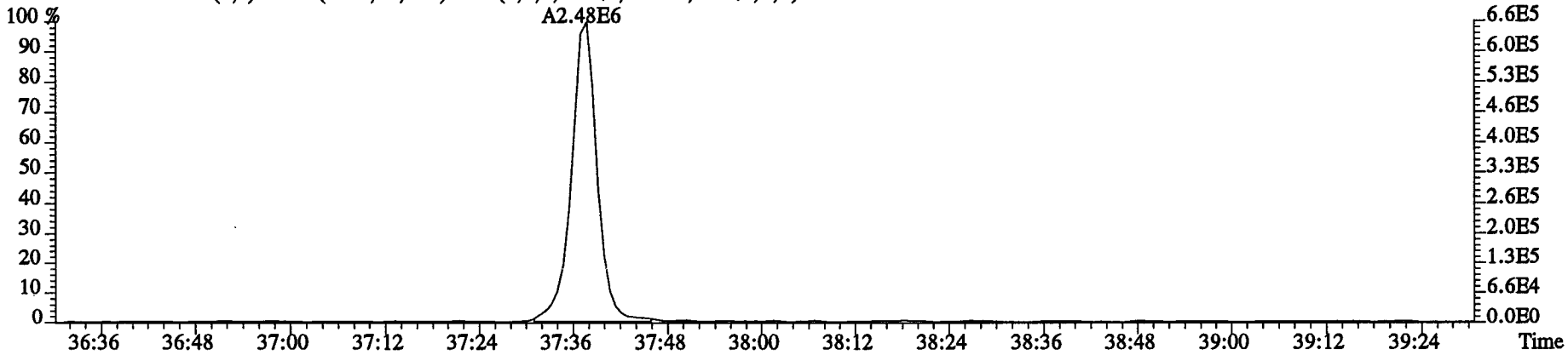
437.8140 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5396.0,1.00%,F,T)



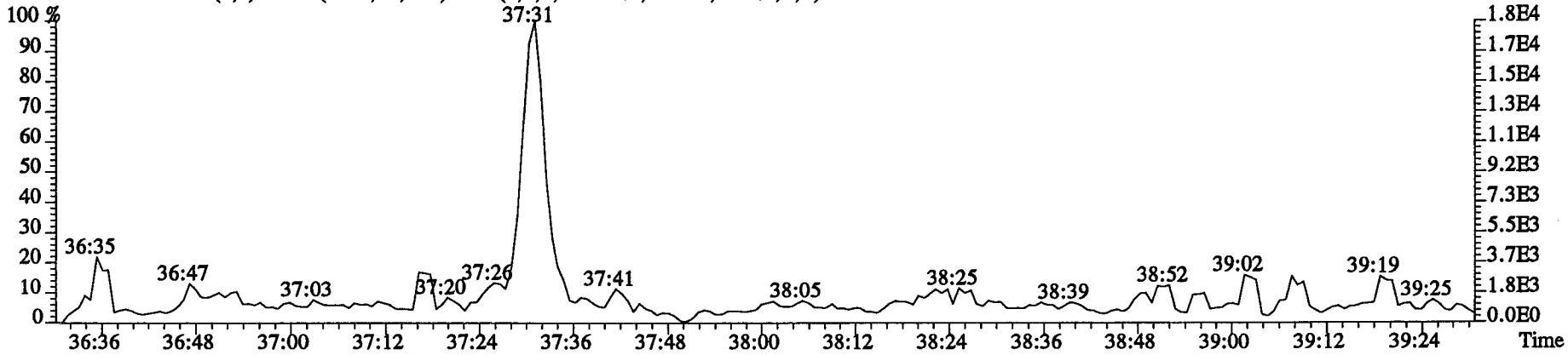
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1384.0,1.00%,F,T)



443.7399 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3196.0,1.00%,F,T)

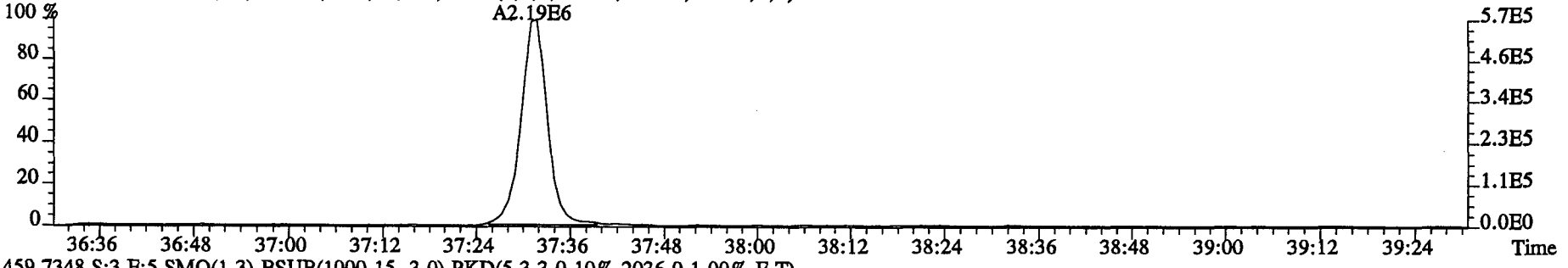


513.6775 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1280.0,1.00%,F,T)

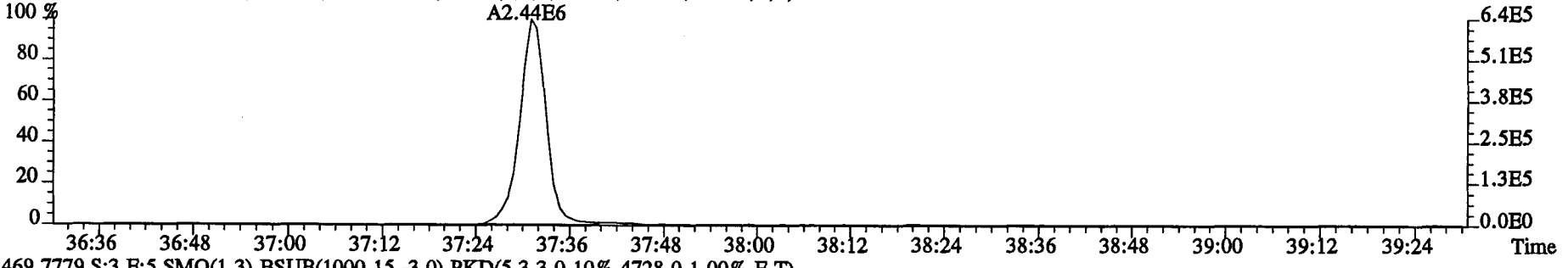


File:14DE10A9D5 #1-244 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES

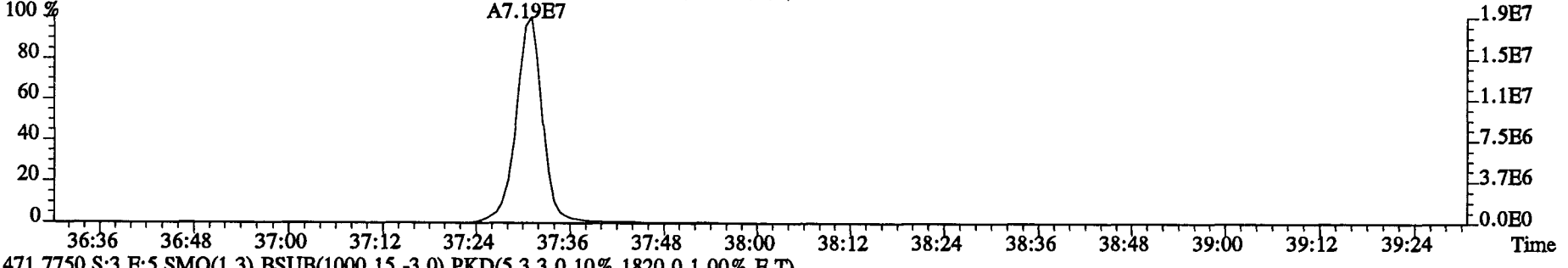
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4252.0,1.00%,F,T)



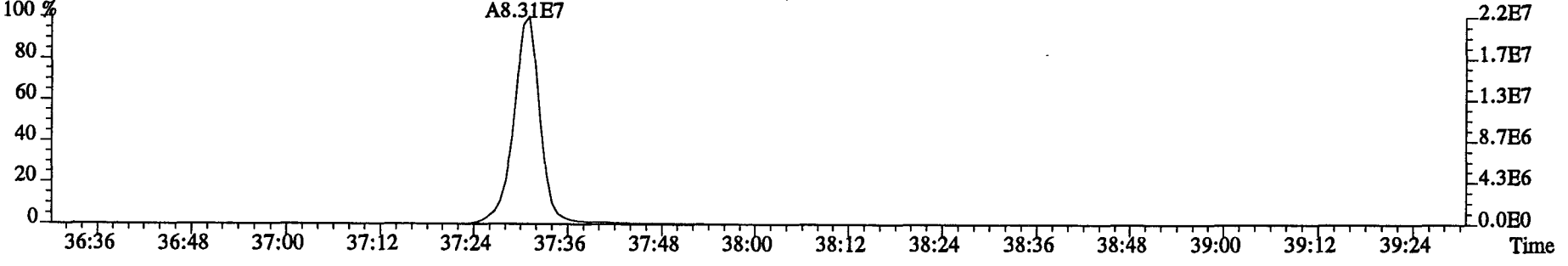
459.7348 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2036.0,1.00%,F,T)



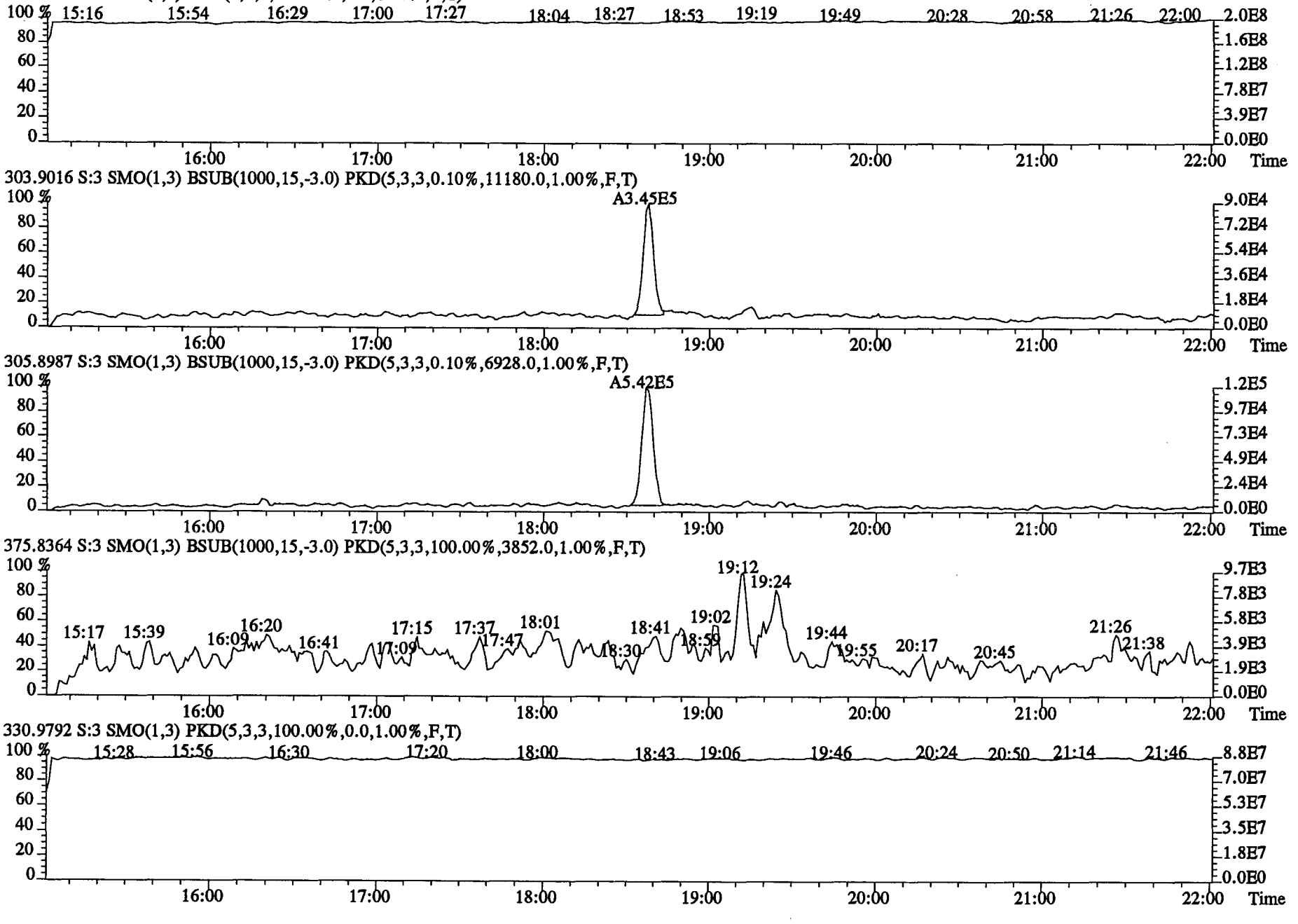
469.7779 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4728.0,1.00%,F,T)



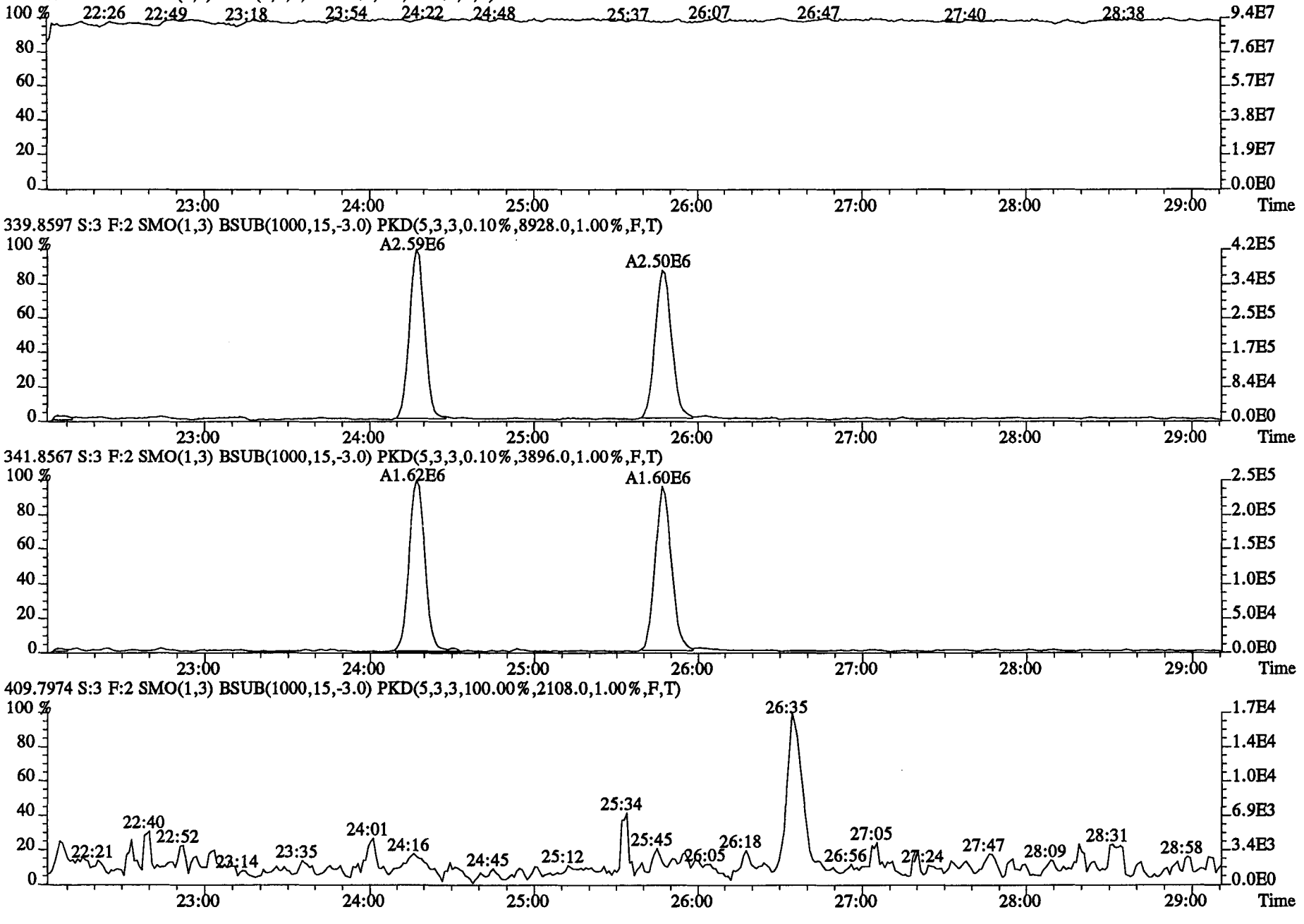
471.7750 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)



File:14DE10A9D5 #1-464 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES

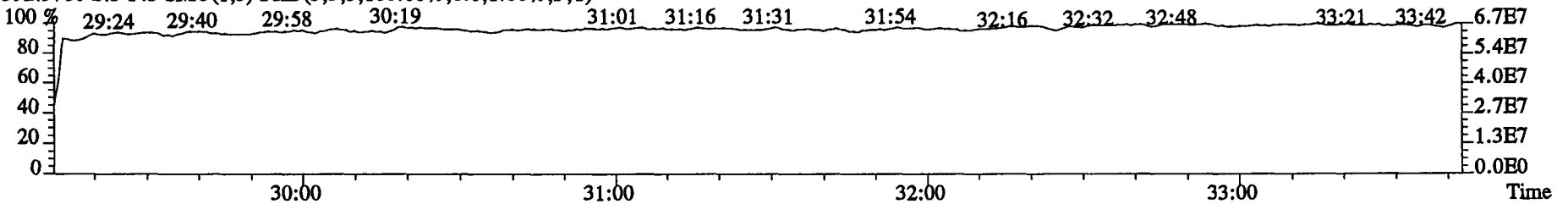


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES

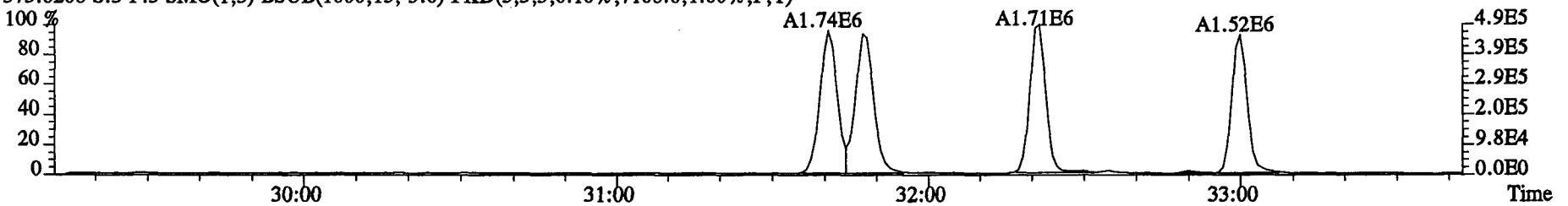


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES

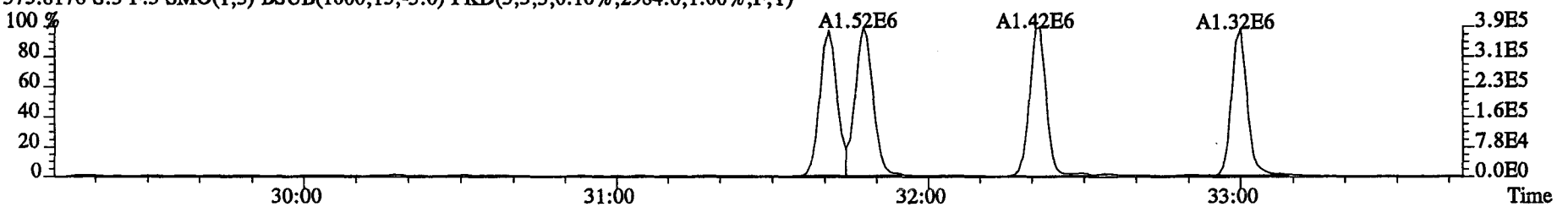
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



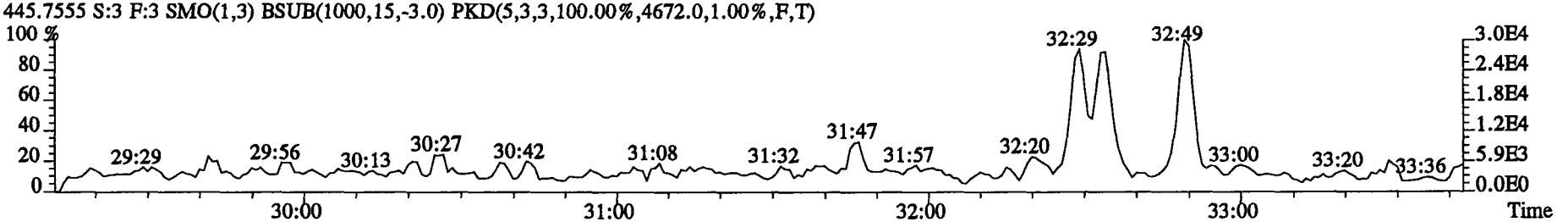
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7108.0,1.00%,F,T)



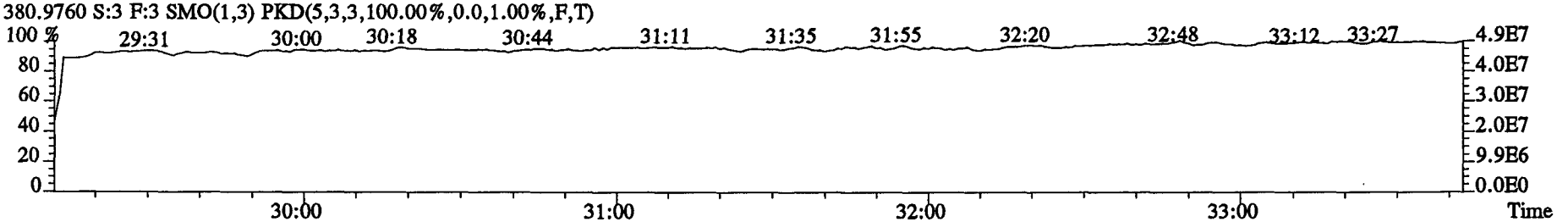
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2984.0,1.00%,F,T)



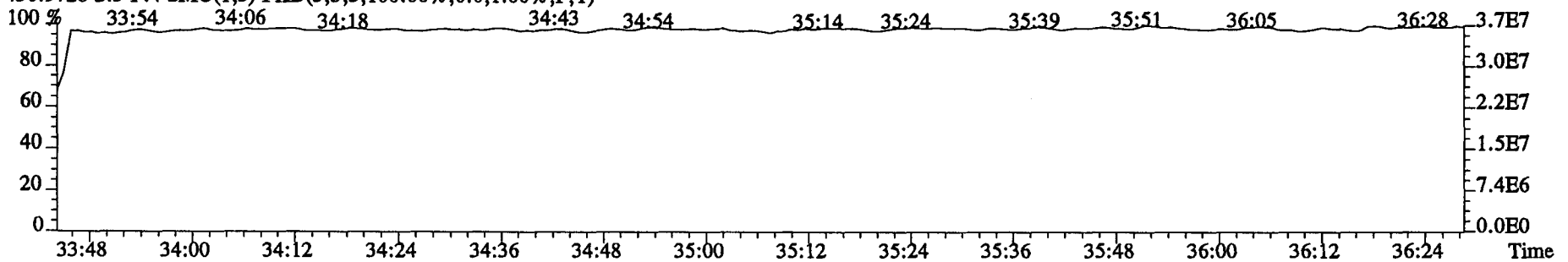
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4672.0,1.00%,F,T)



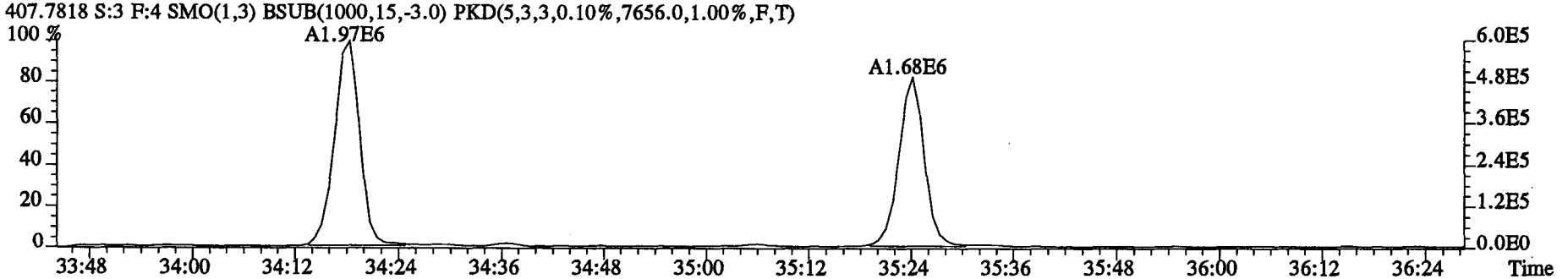
380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



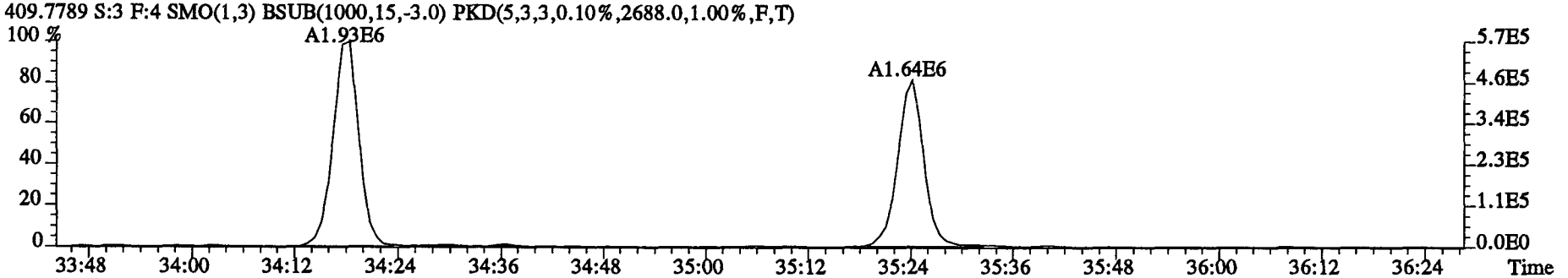
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



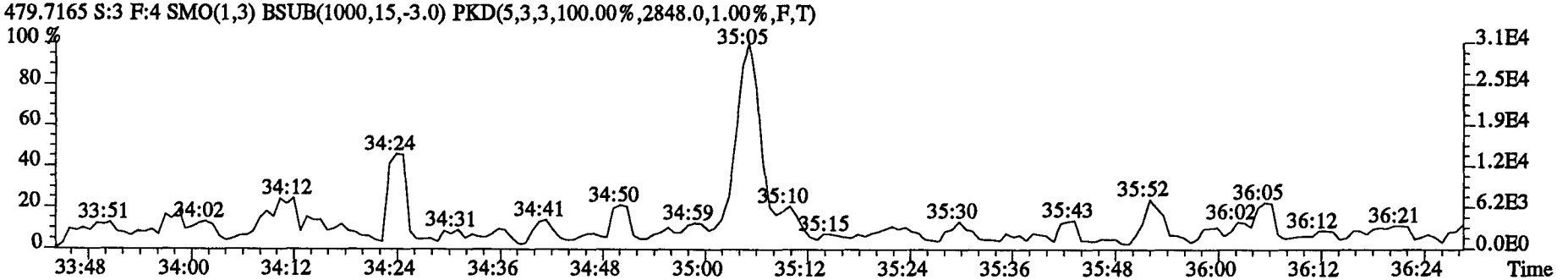
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7656.0,1.00%,F,T)



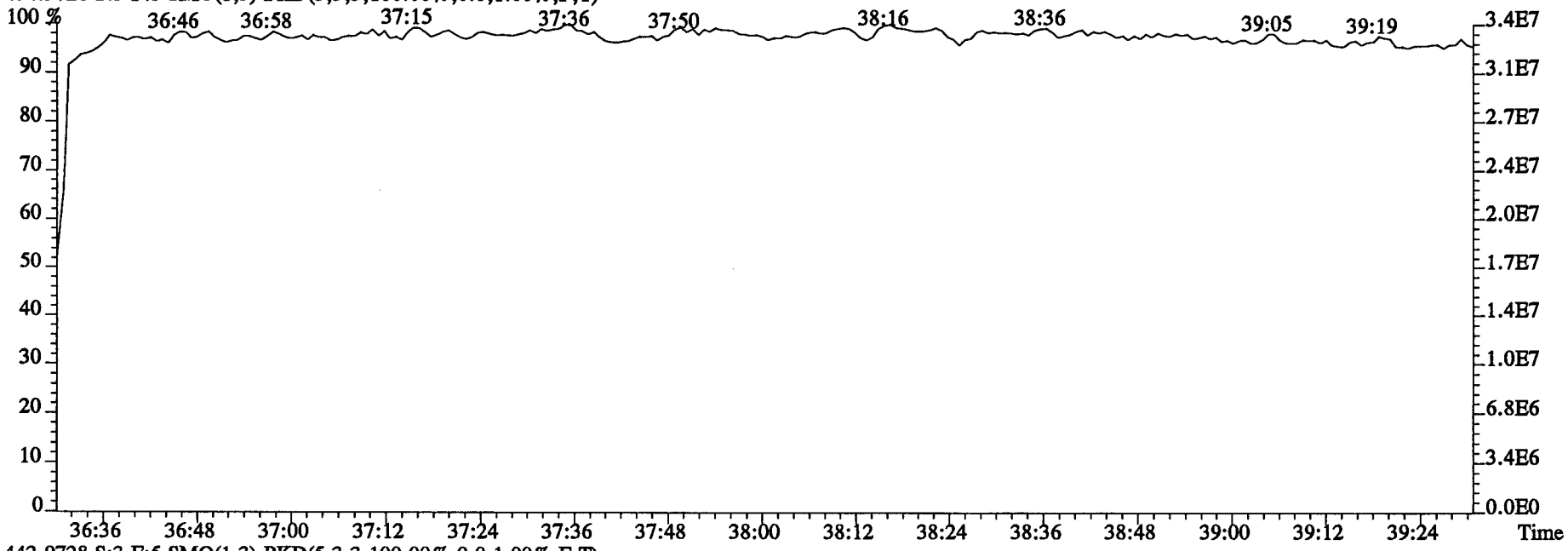
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2688.0,1.00%,F,T)



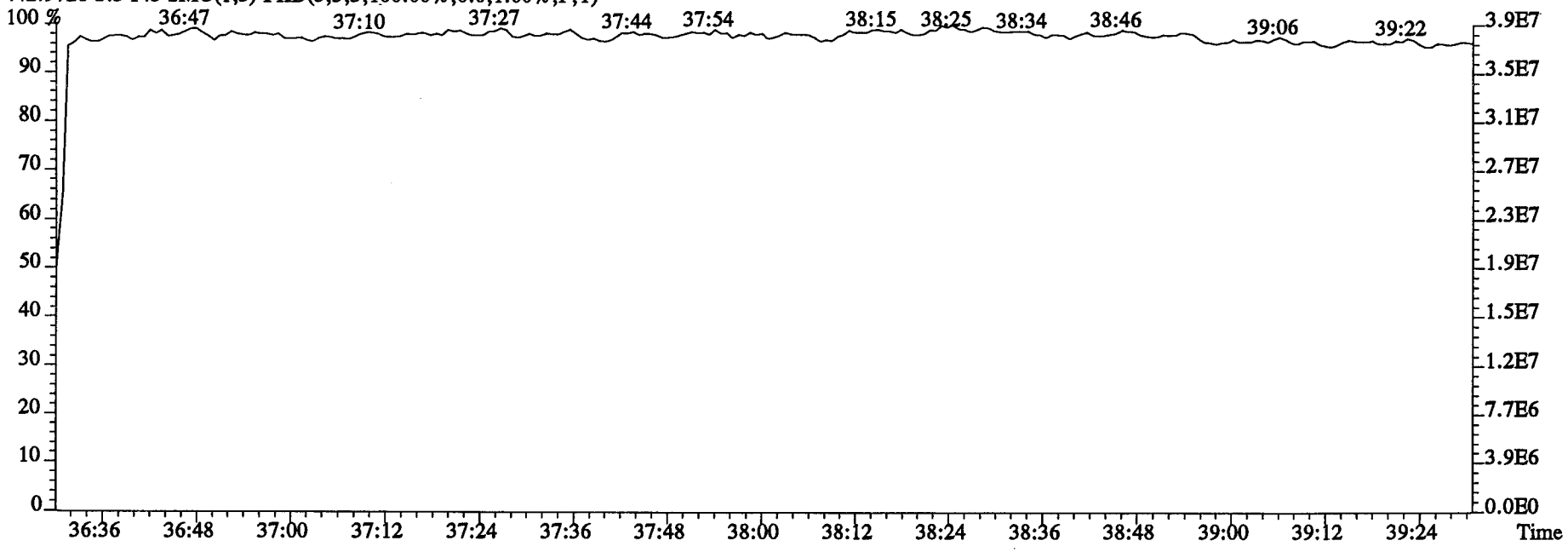
479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2848.0,1.00%,F,T)



File:14DE10A9D5 #1-244 Acq:14-DEC-2010 16:23:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 Text:ST1214 :CS-1 10DXN503 Exp:DIOXINRES
454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

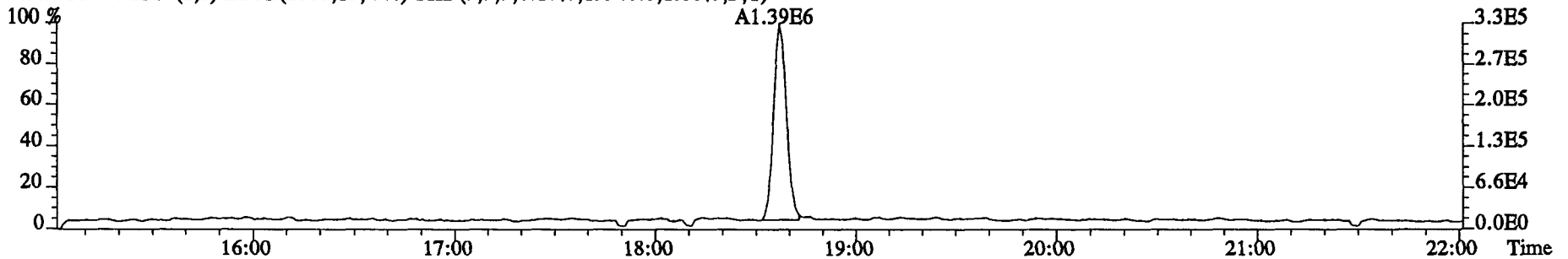


442.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

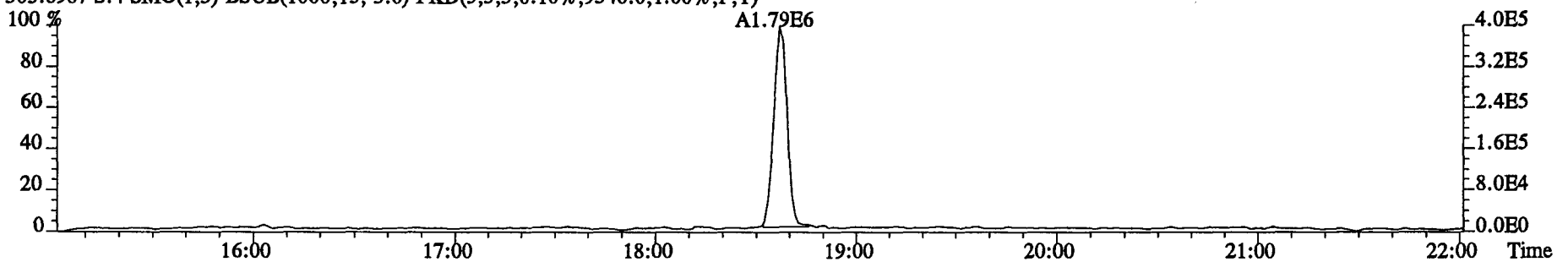


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

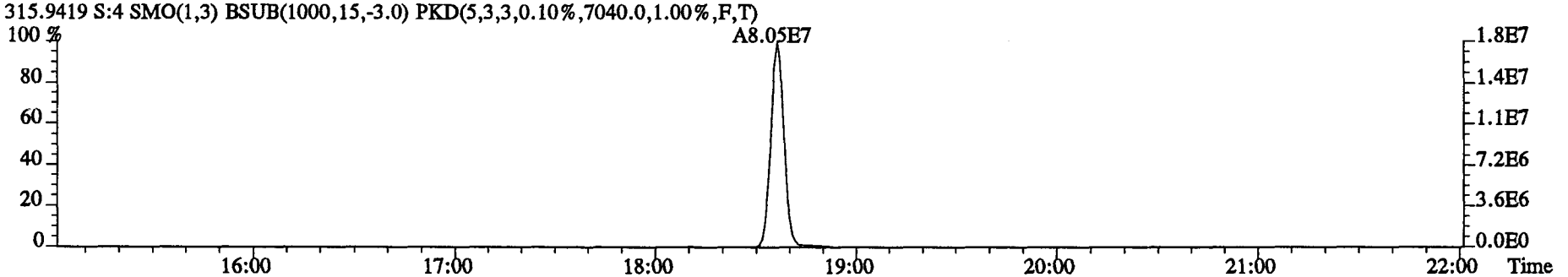
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19940.0,1.00%,F,T)



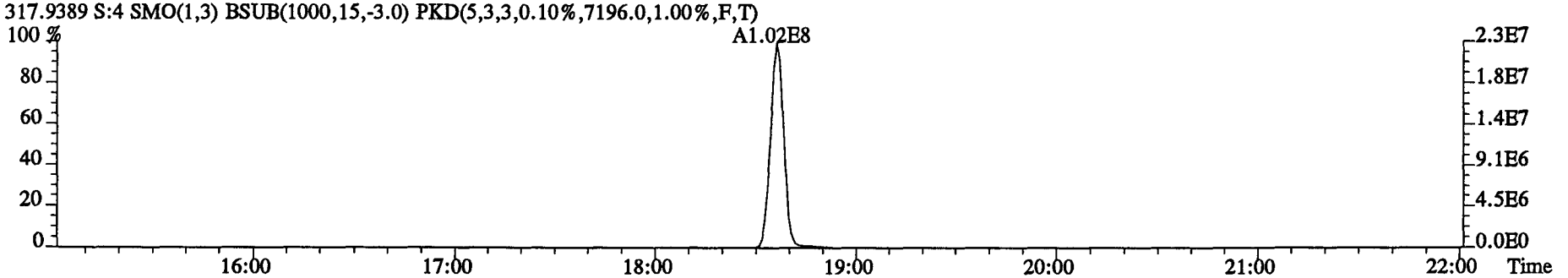
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9340.0,1.00%,F,T)



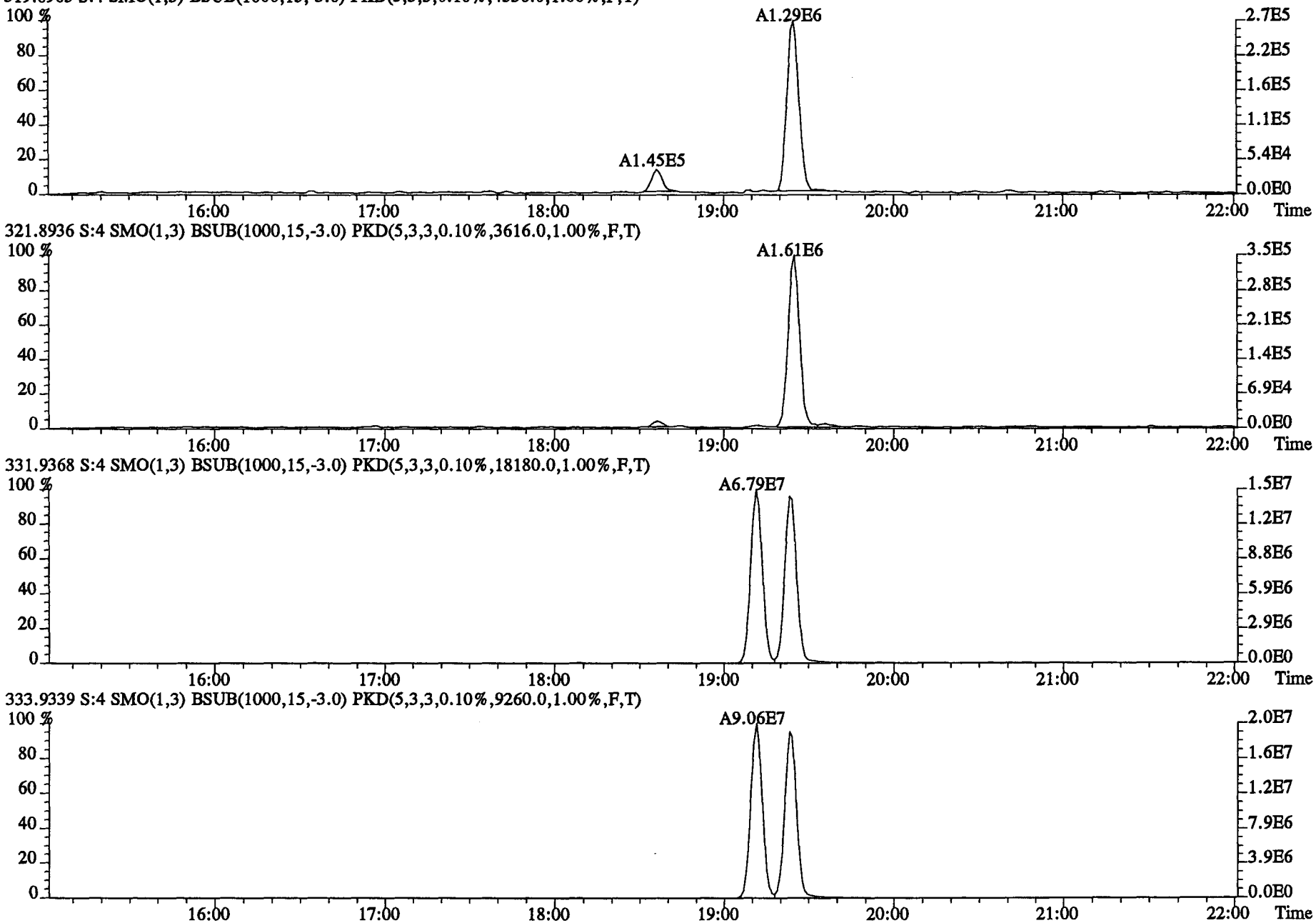
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7040.0,1.00%,F,T)



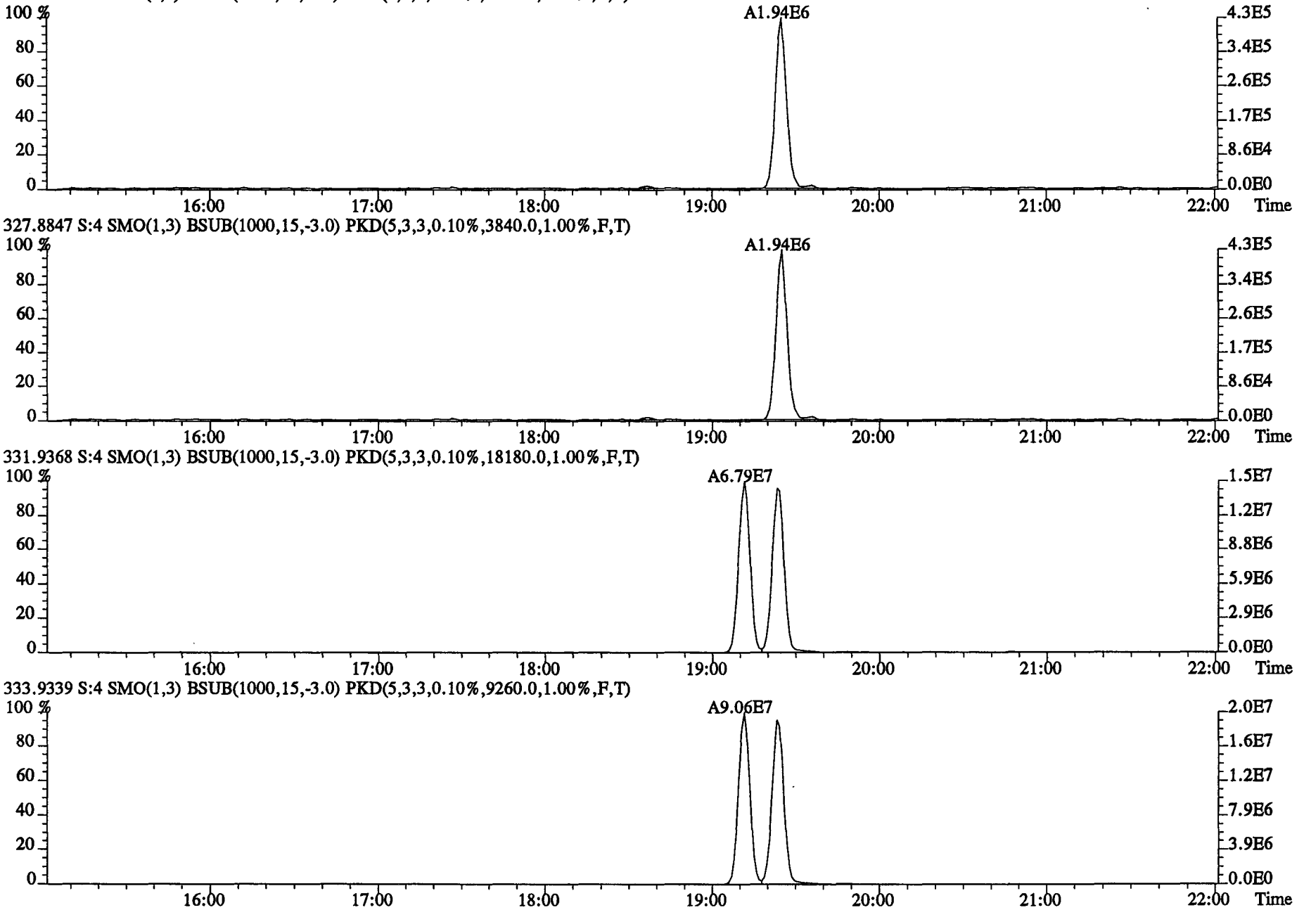
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7196.0,1.00%,F,T)



File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

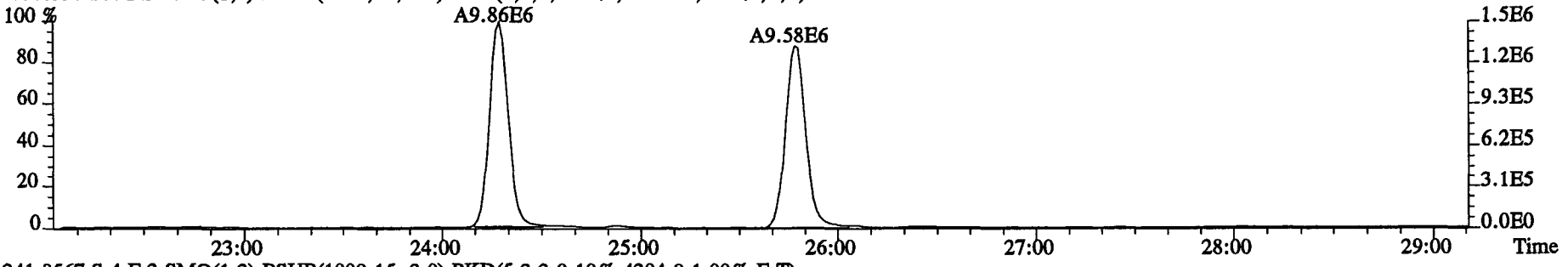


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

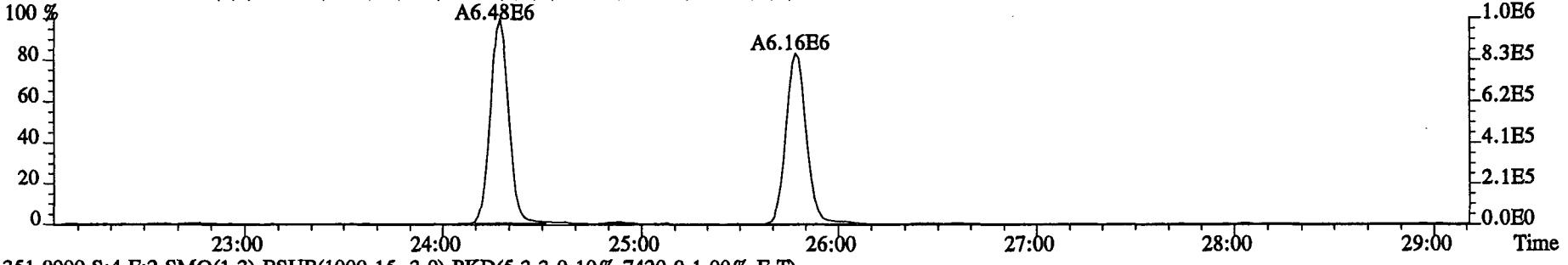


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

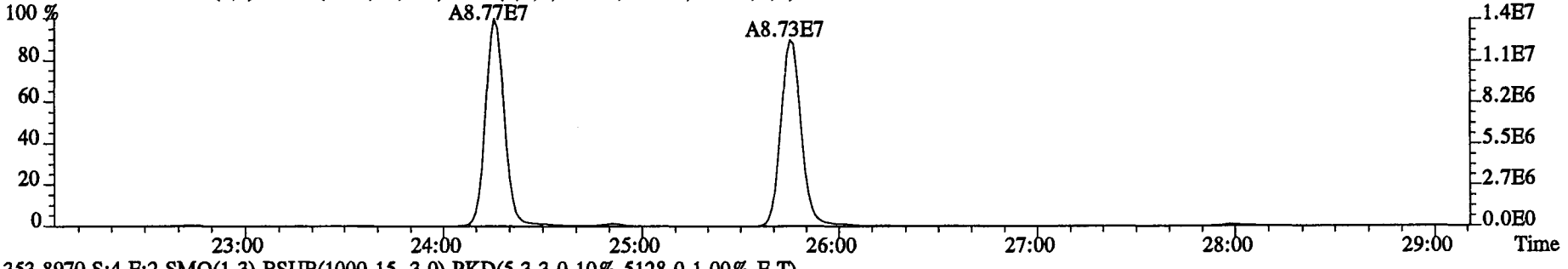
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10740.0,1.00%,F,T)



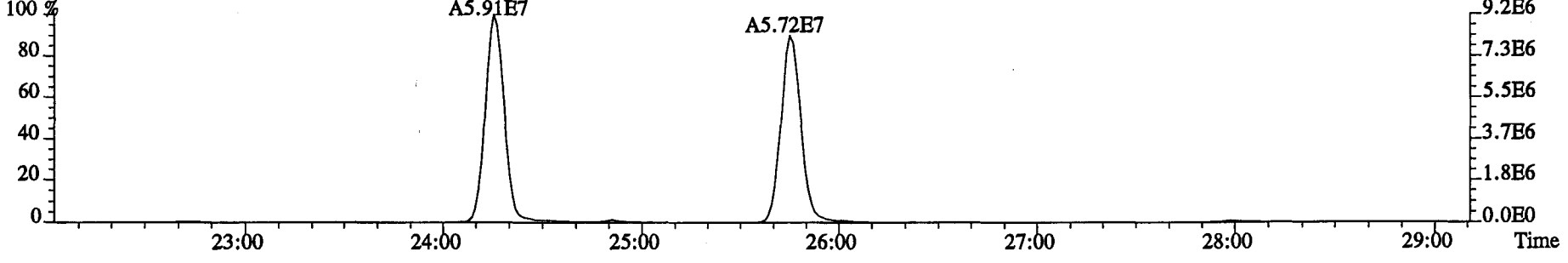
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4304.0,1.00%,F,T)



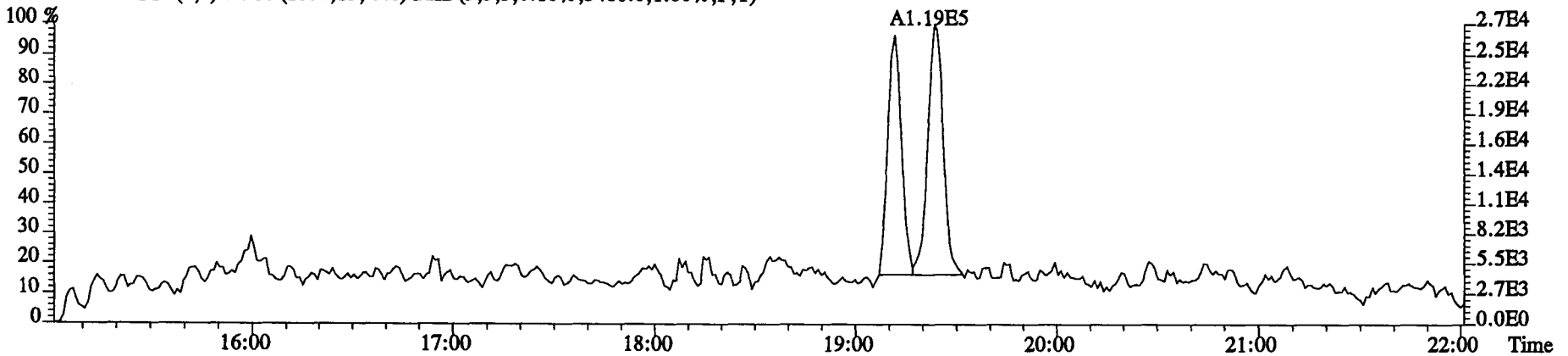
351.9000 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7420.0,1.00%,F,T)



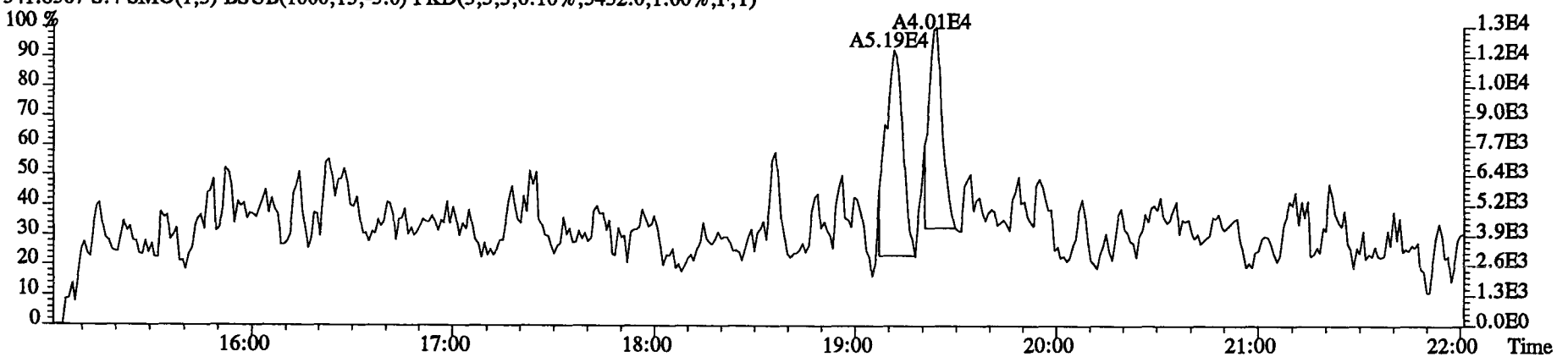
353.8970 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5128.0,1.00%,F,T)



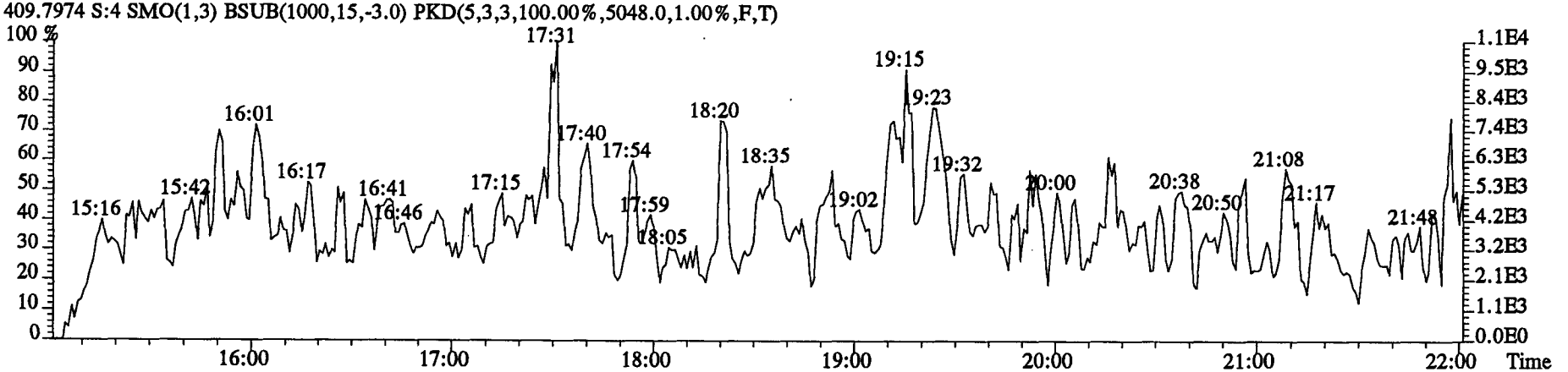
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES
339.8597 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5480.0,1.00%,F,T)



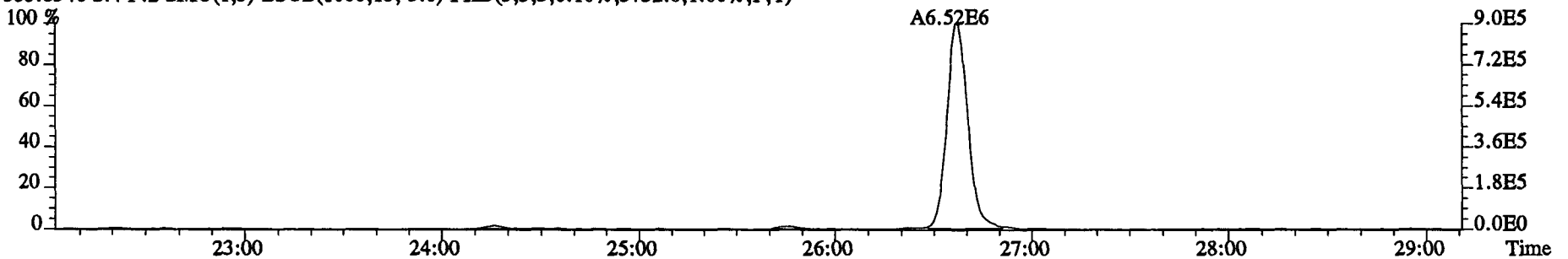
341.8567 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5452.0,1.00%,F,T)



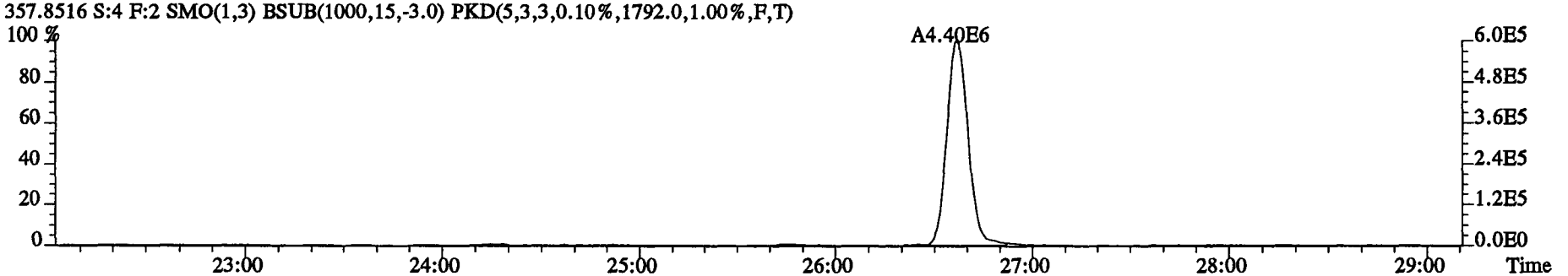
409.7974 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,5048.0,1.00%,F,T)



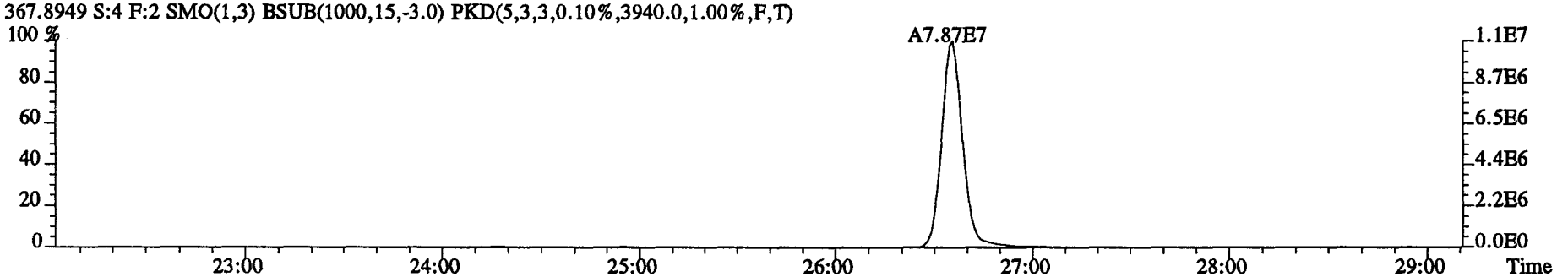
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3732.0,1.00%,F,T)



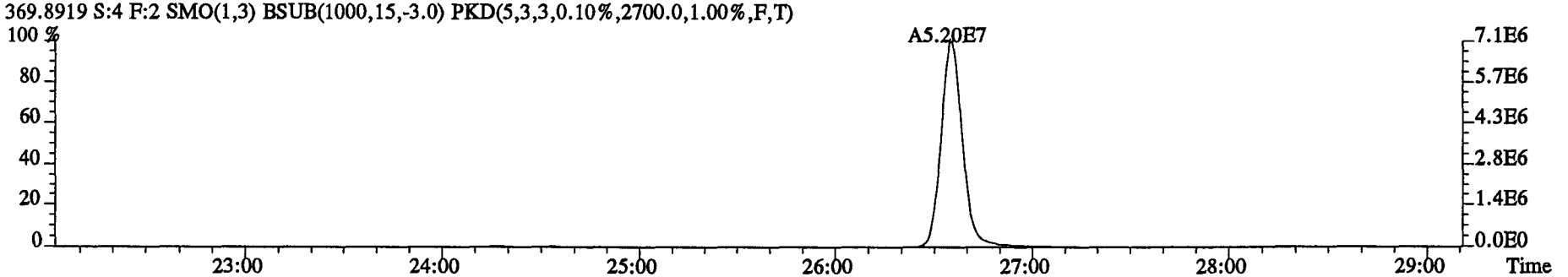
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1792.0,1.00%,F,T)



367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3940.0,1.00%,F,T)

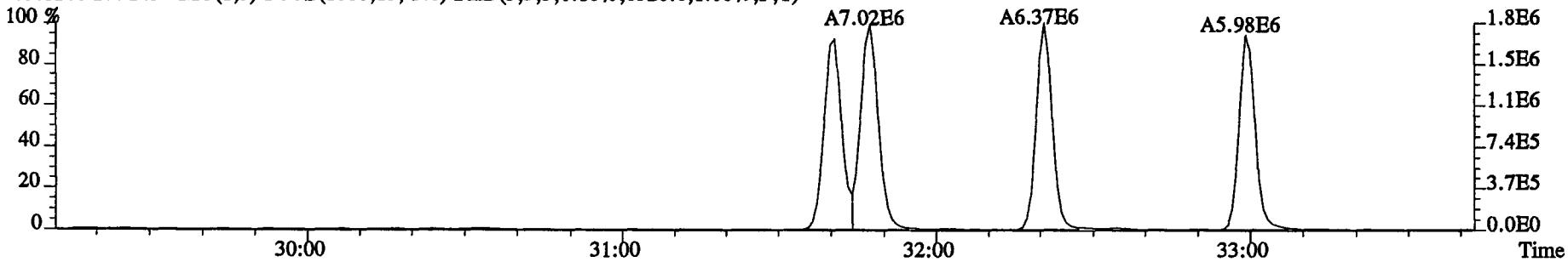


369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2700.0,1.00%,F,T)

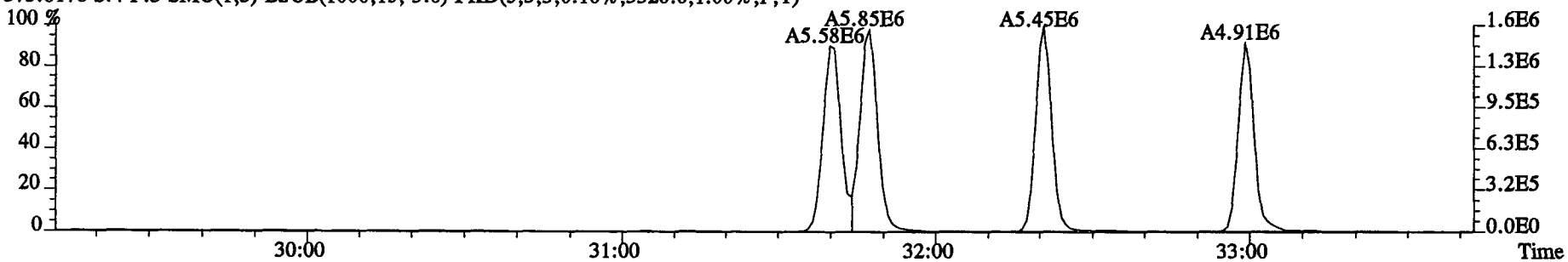


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

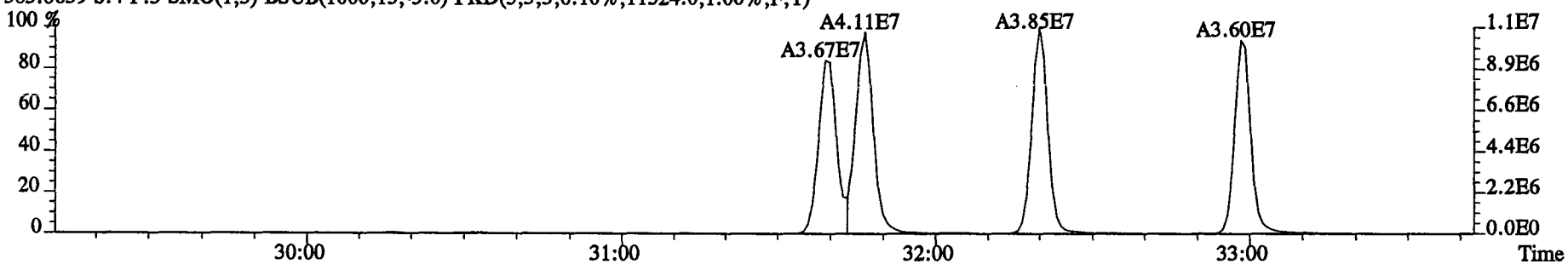
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8520.0,1.00%,F,T)



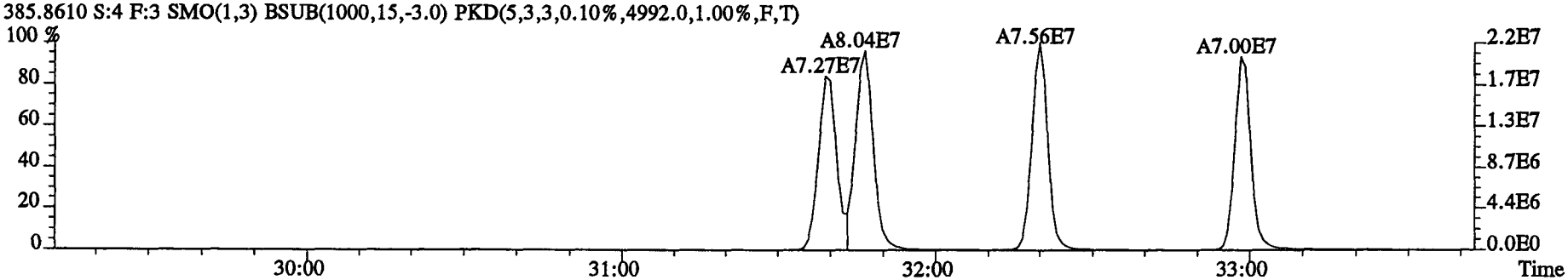
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



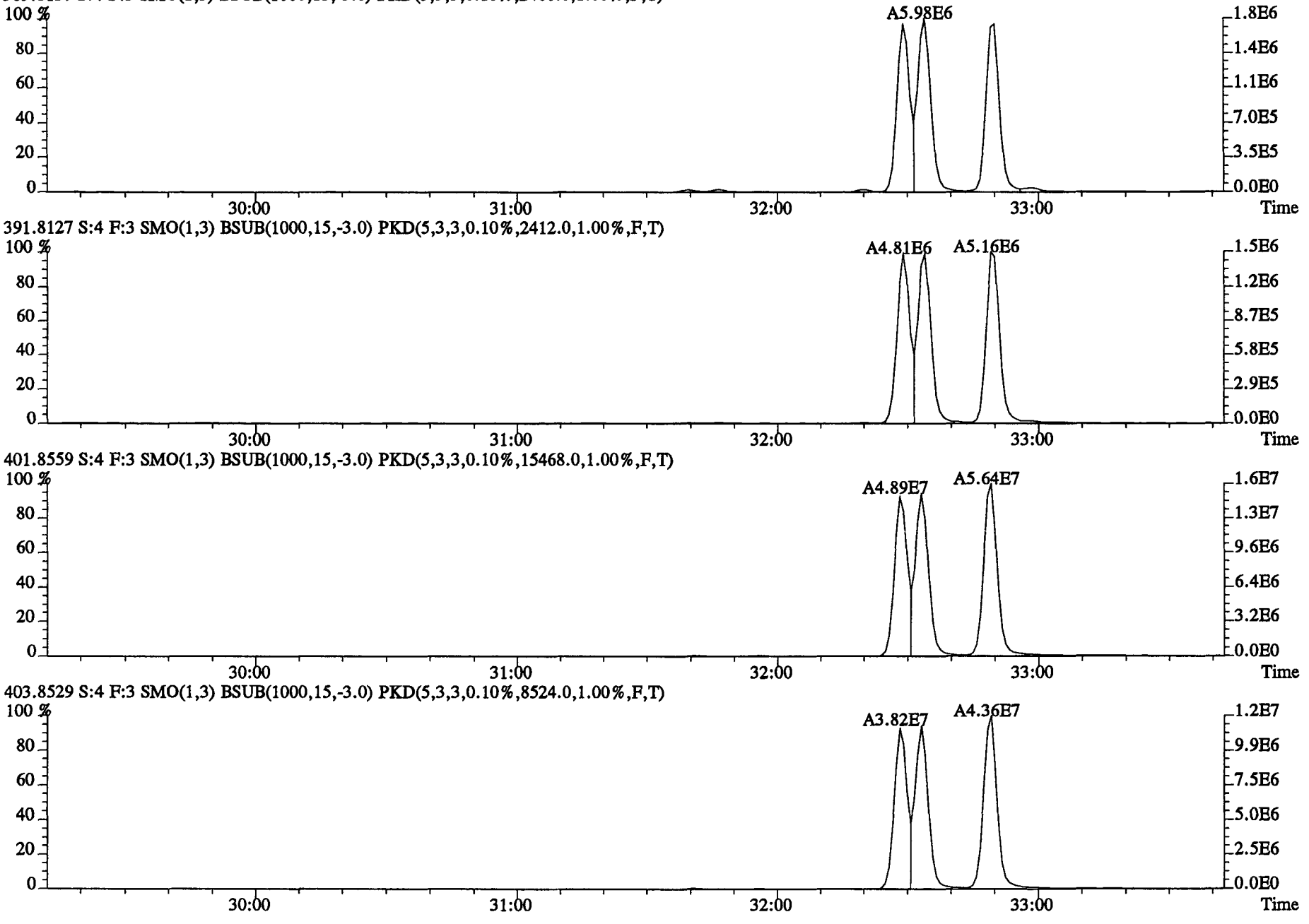
383.8639 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11524.0,1.00%,F,T)



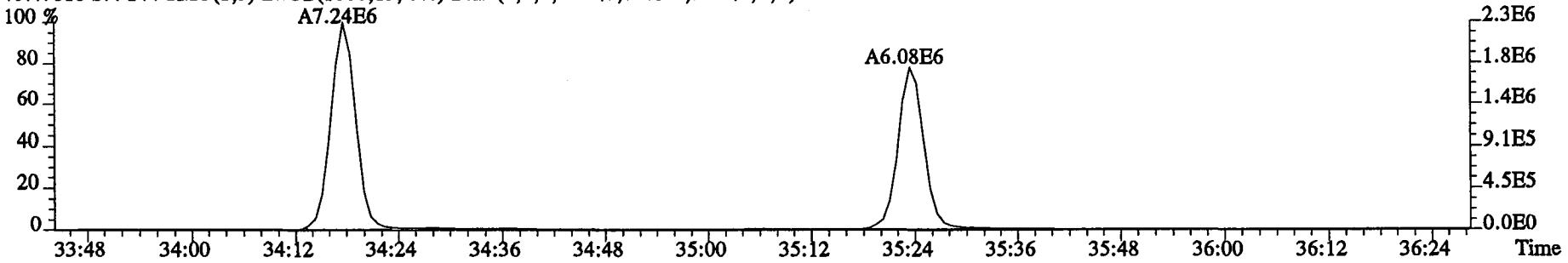
385.8610 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)



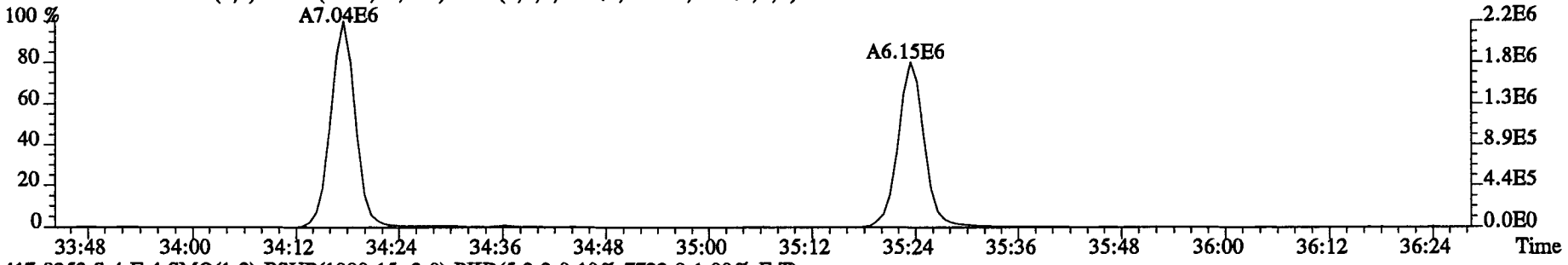
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES



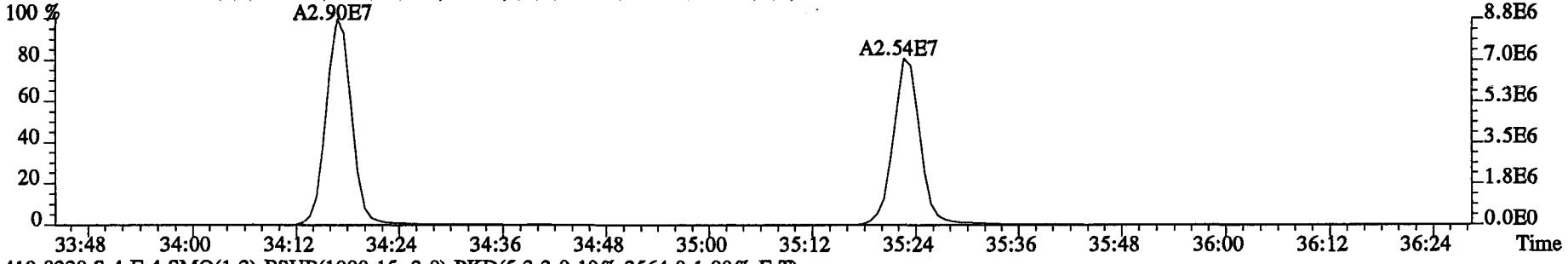
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7672.0,1.00%,F,T)



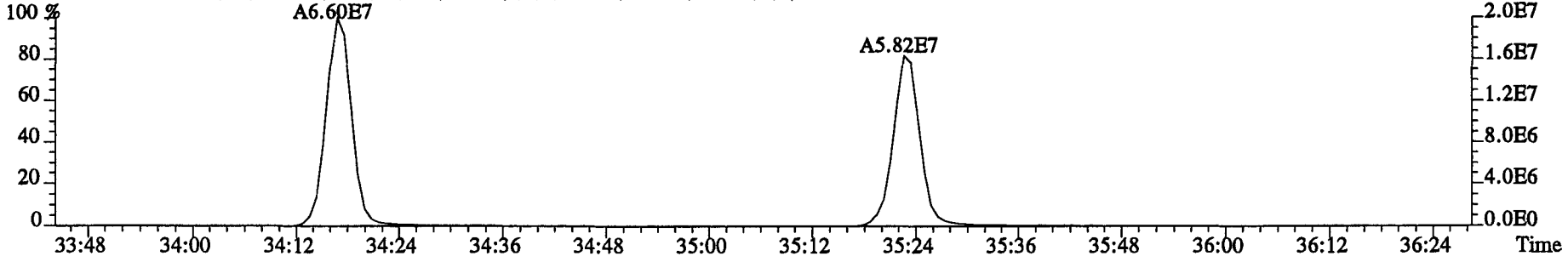
409.7789 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2920.0,1.00%,F,T)



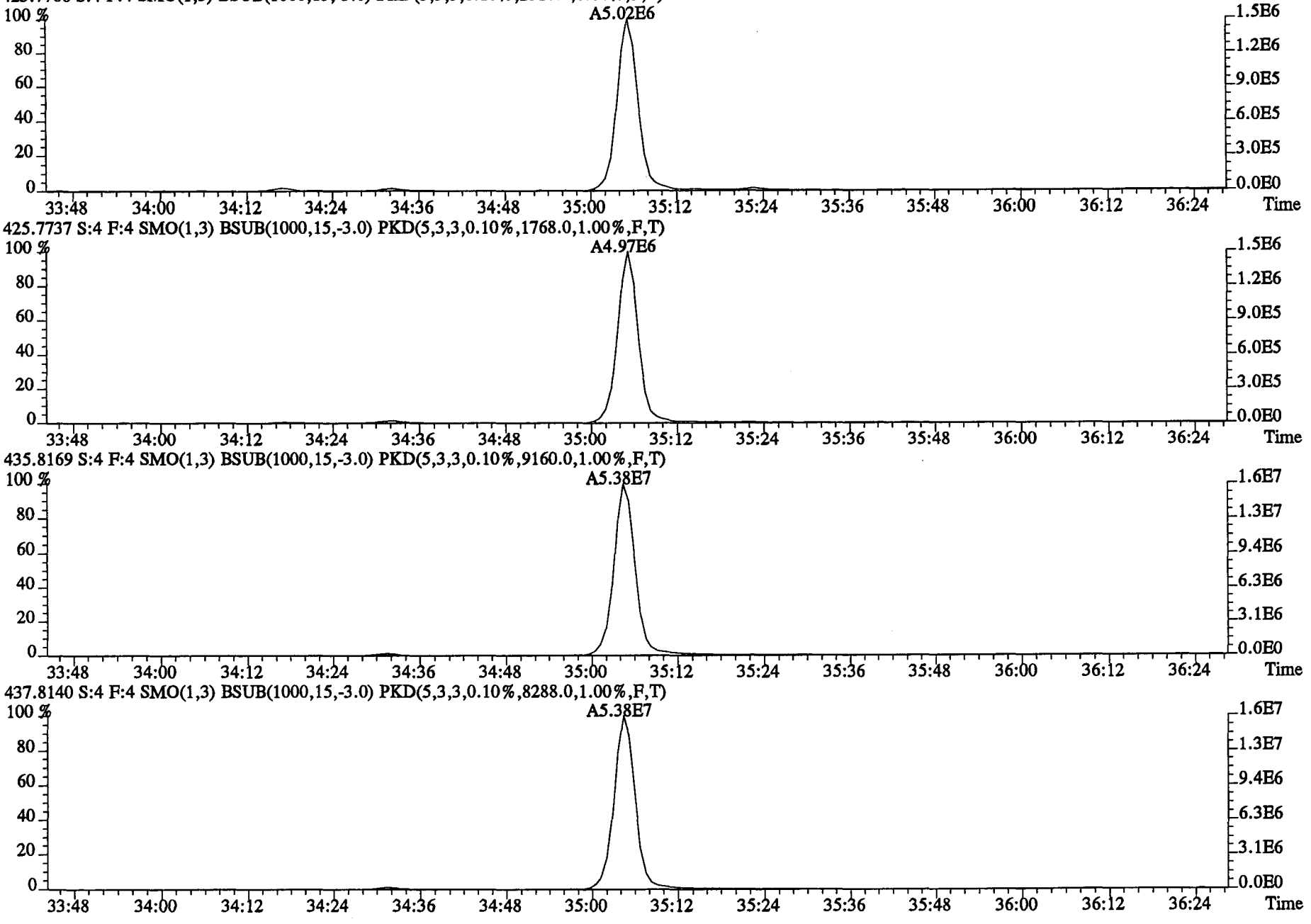
417.8253 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7732.0,1.00%,F,T)



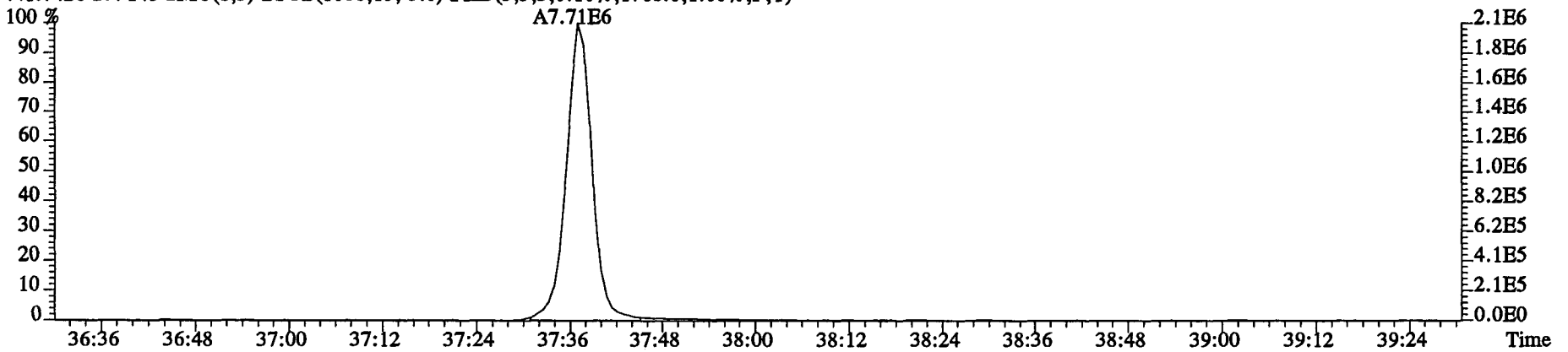
419.8220 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2564.0,1.00%,F,T)



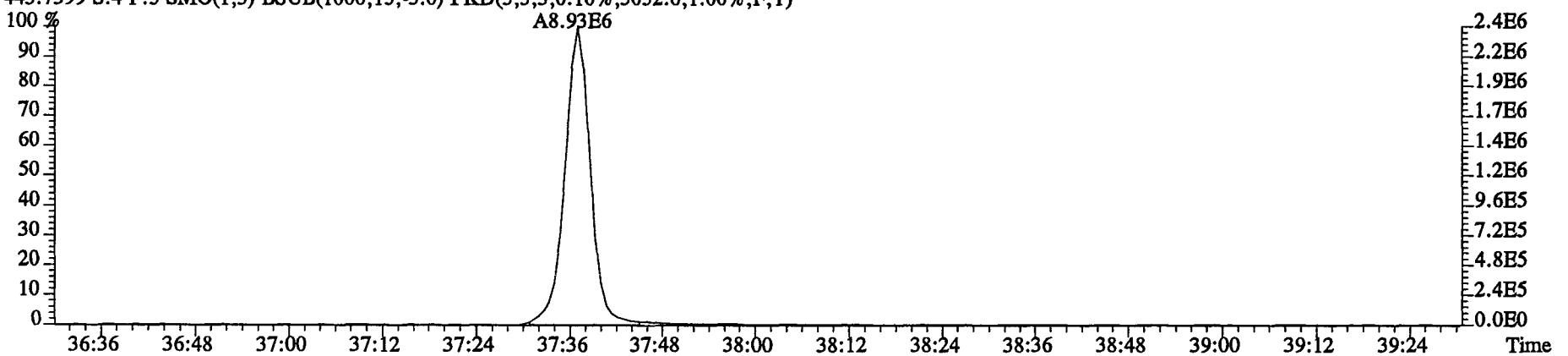
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES



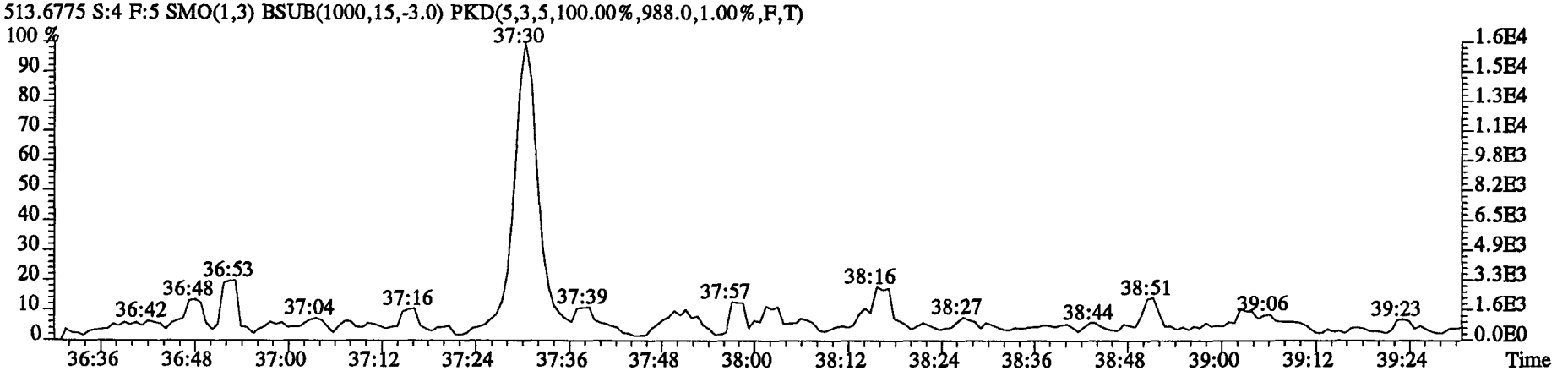
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1768.0,1.00%,F,T)



443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3052.0,1.00%,F,T)

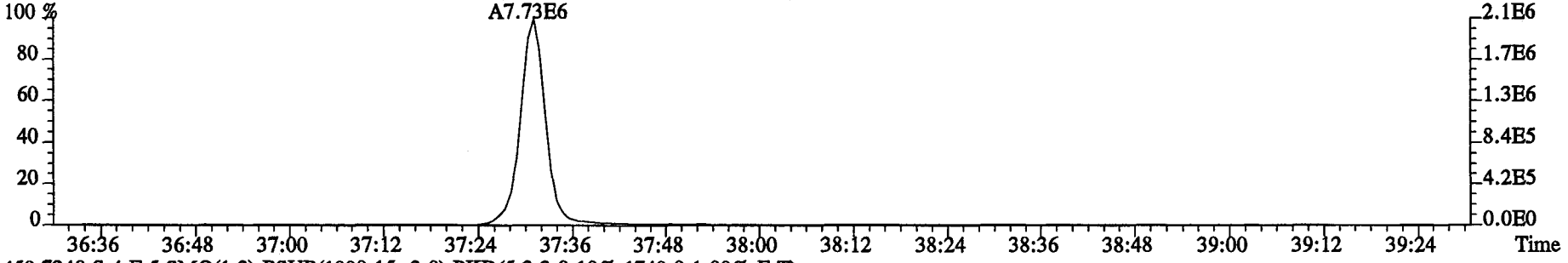


513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,988.0,1.00%,F,T)

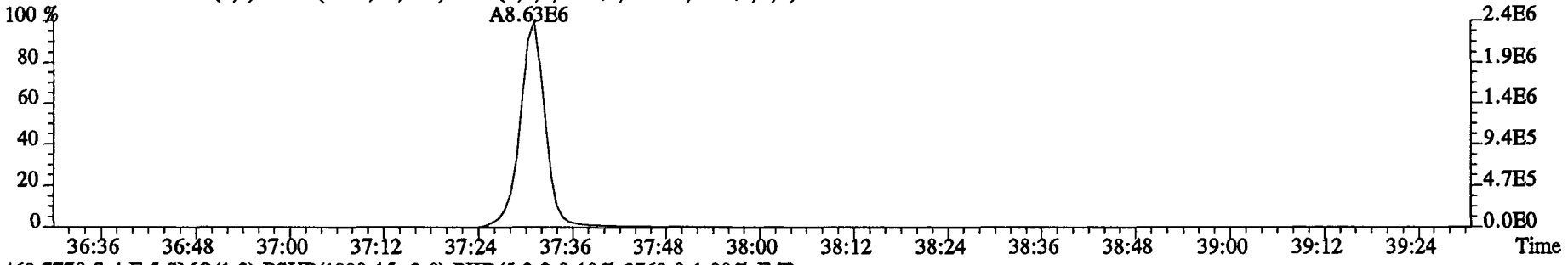


File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

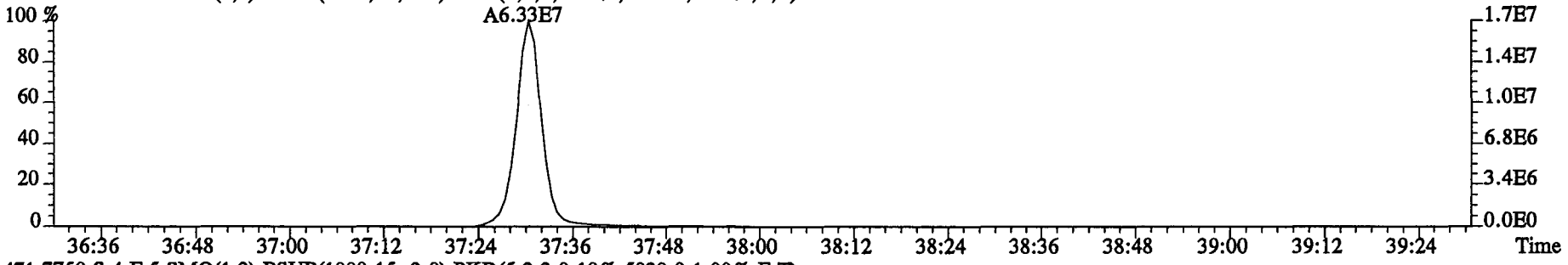
457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4560.0,1.00%,F,T)



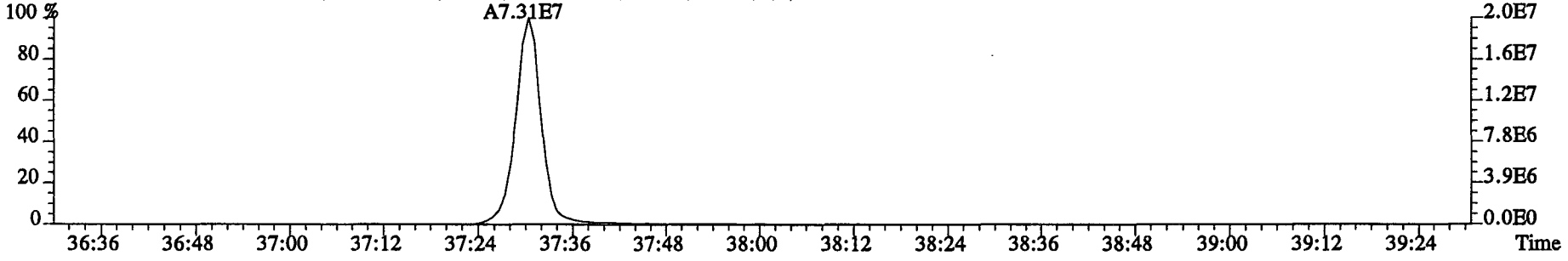
459.7348 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1740.0,1.00%,F,T)



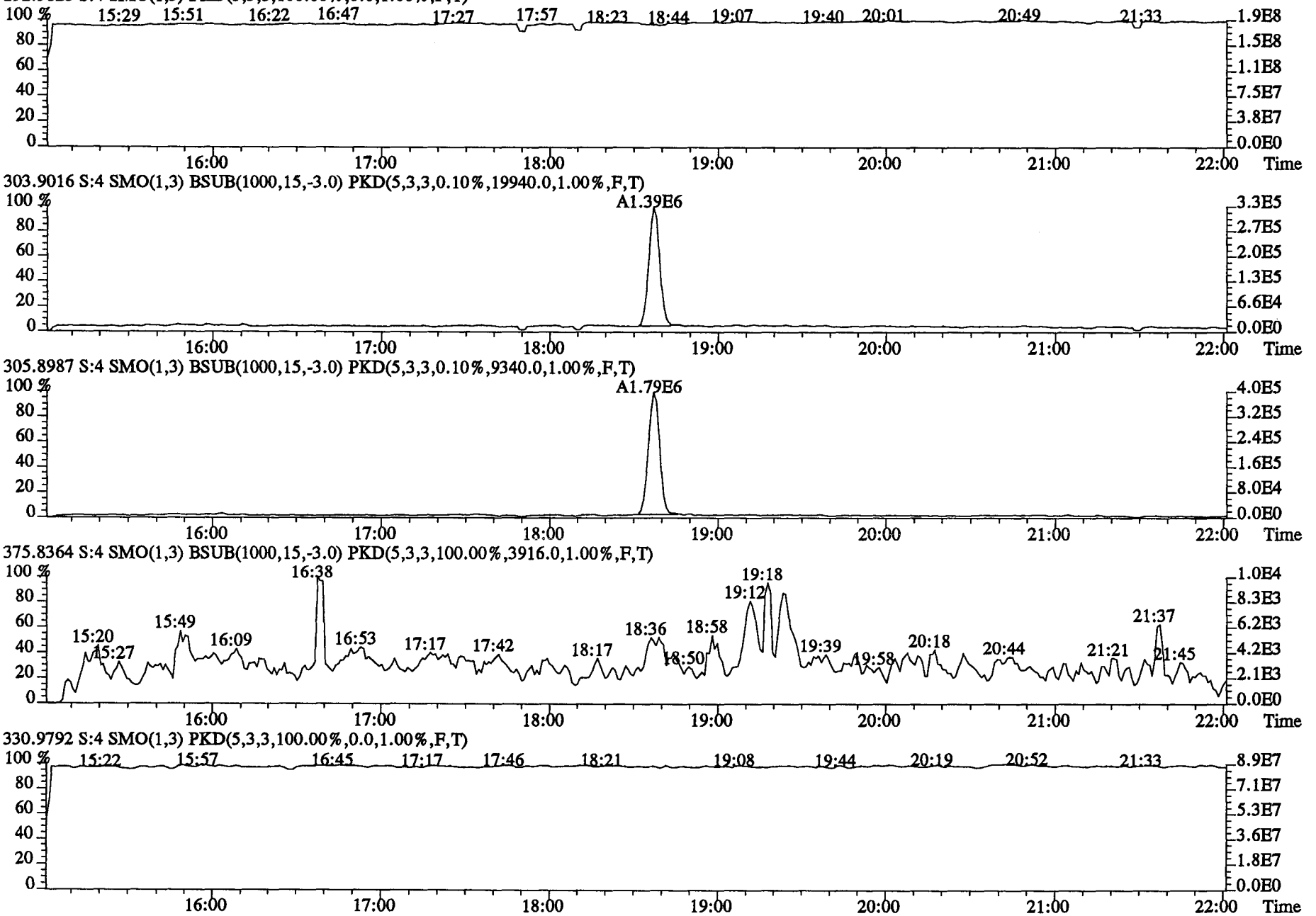
469.7779 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2768.0,1.00%,F,T)



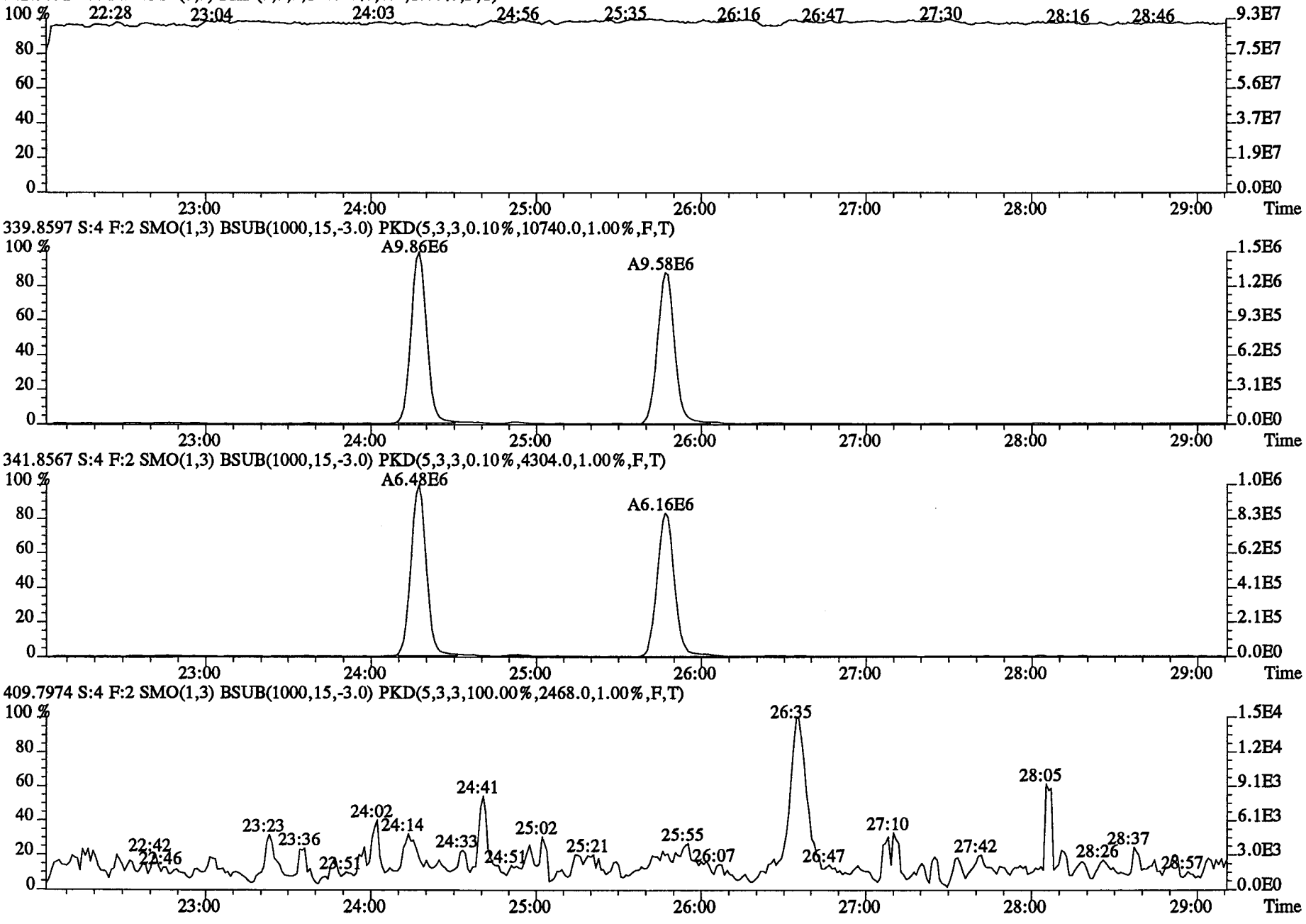
471.7750 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5020.0,1.00%,F,T)



File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

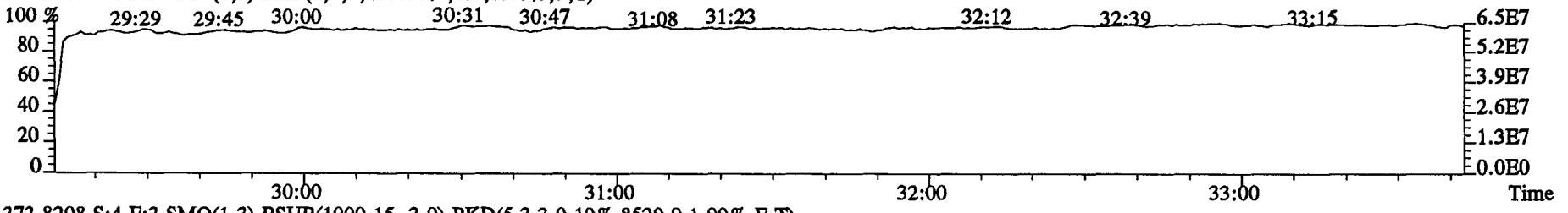


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

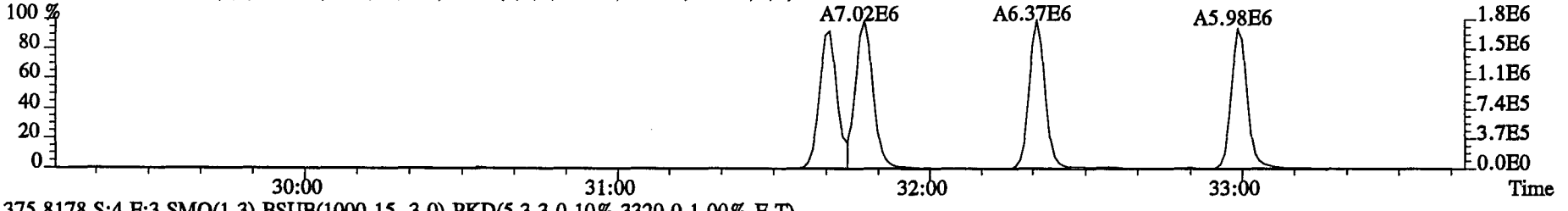


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES

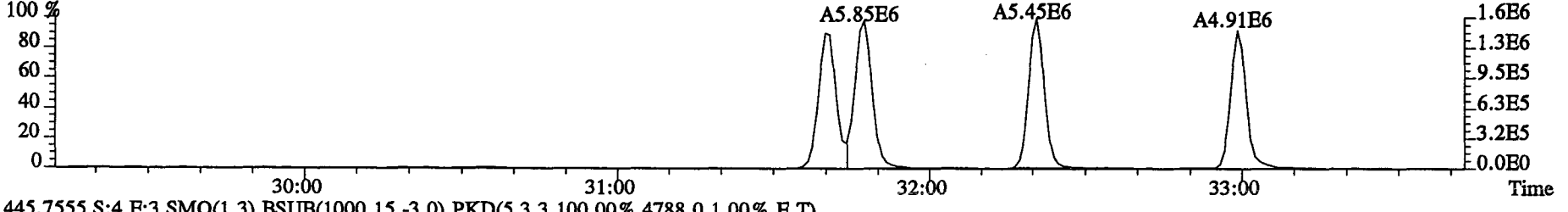
392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



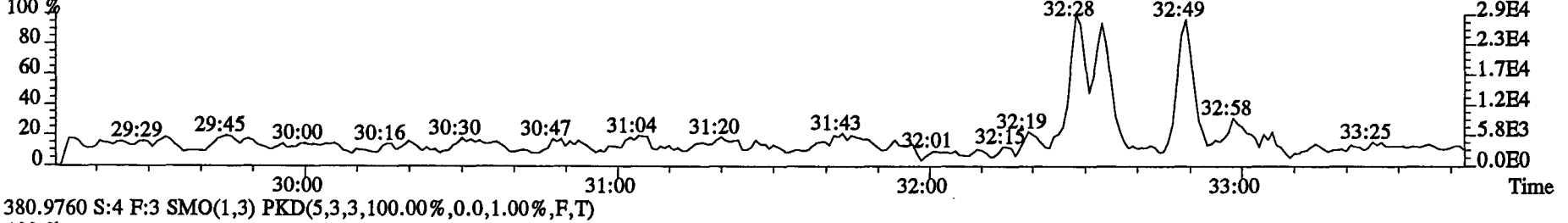
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8520.0,1.00%,F,T)



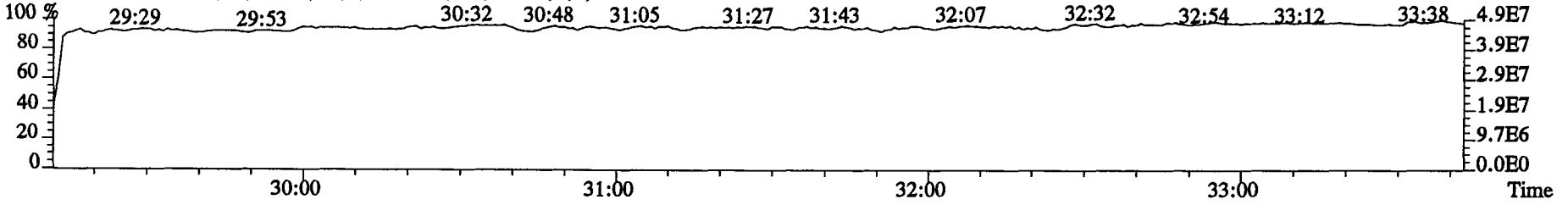
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3320.0,1.00%,F,T)



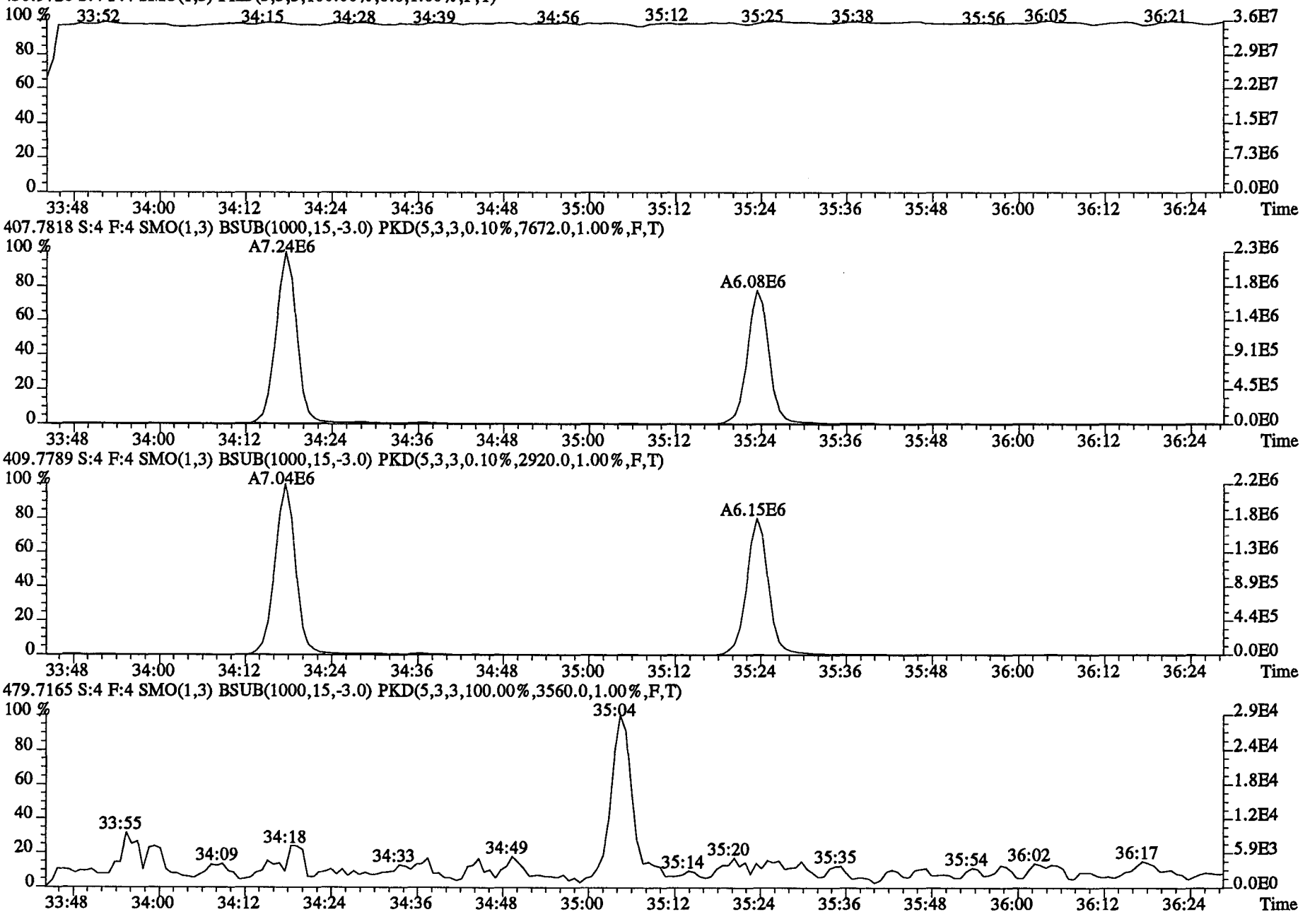
445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4788.0,1.00%,F,T)



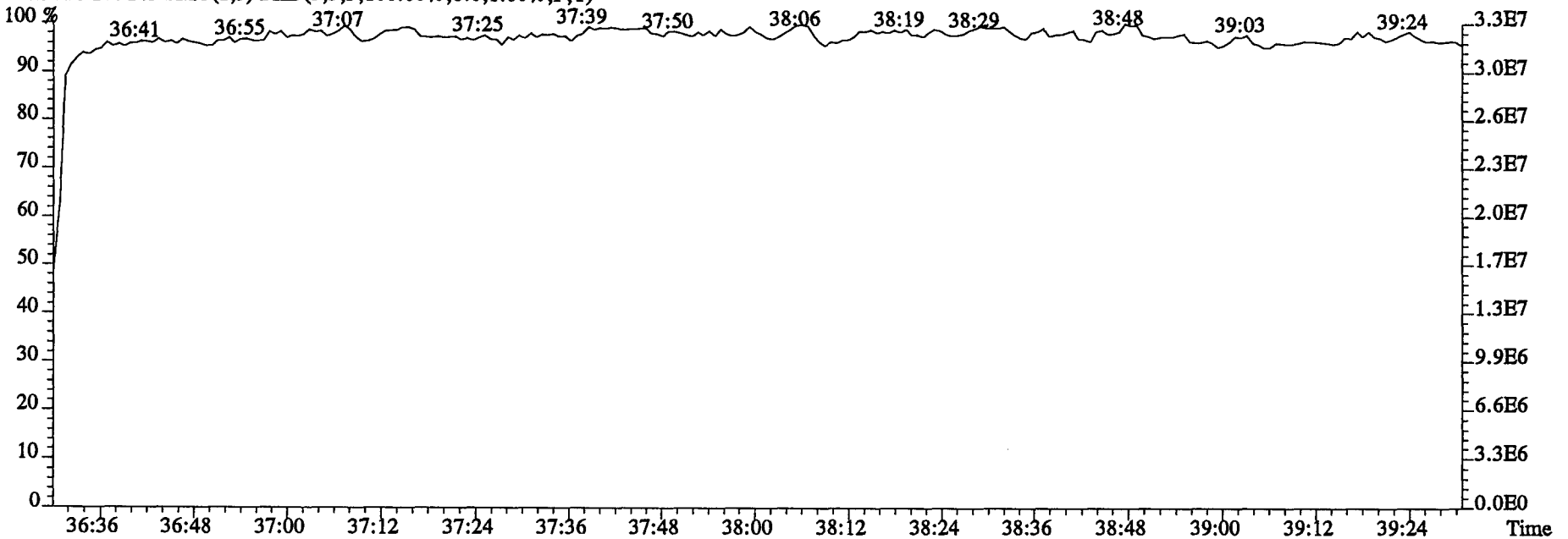
380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



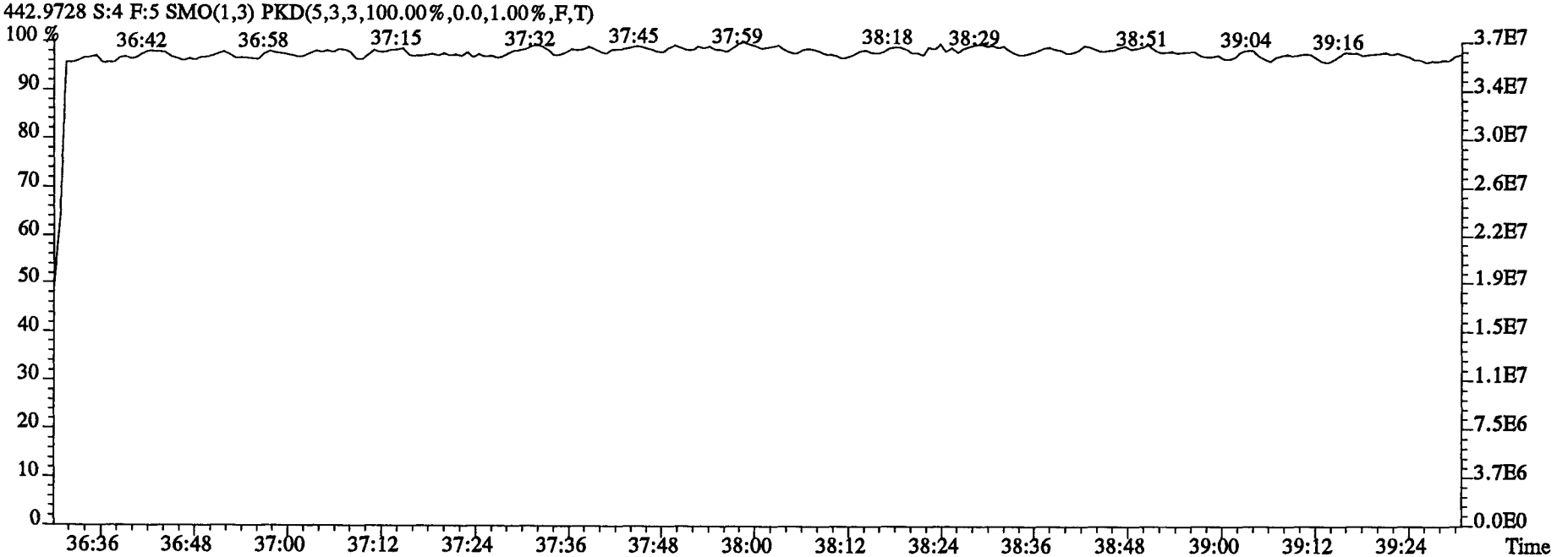
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES



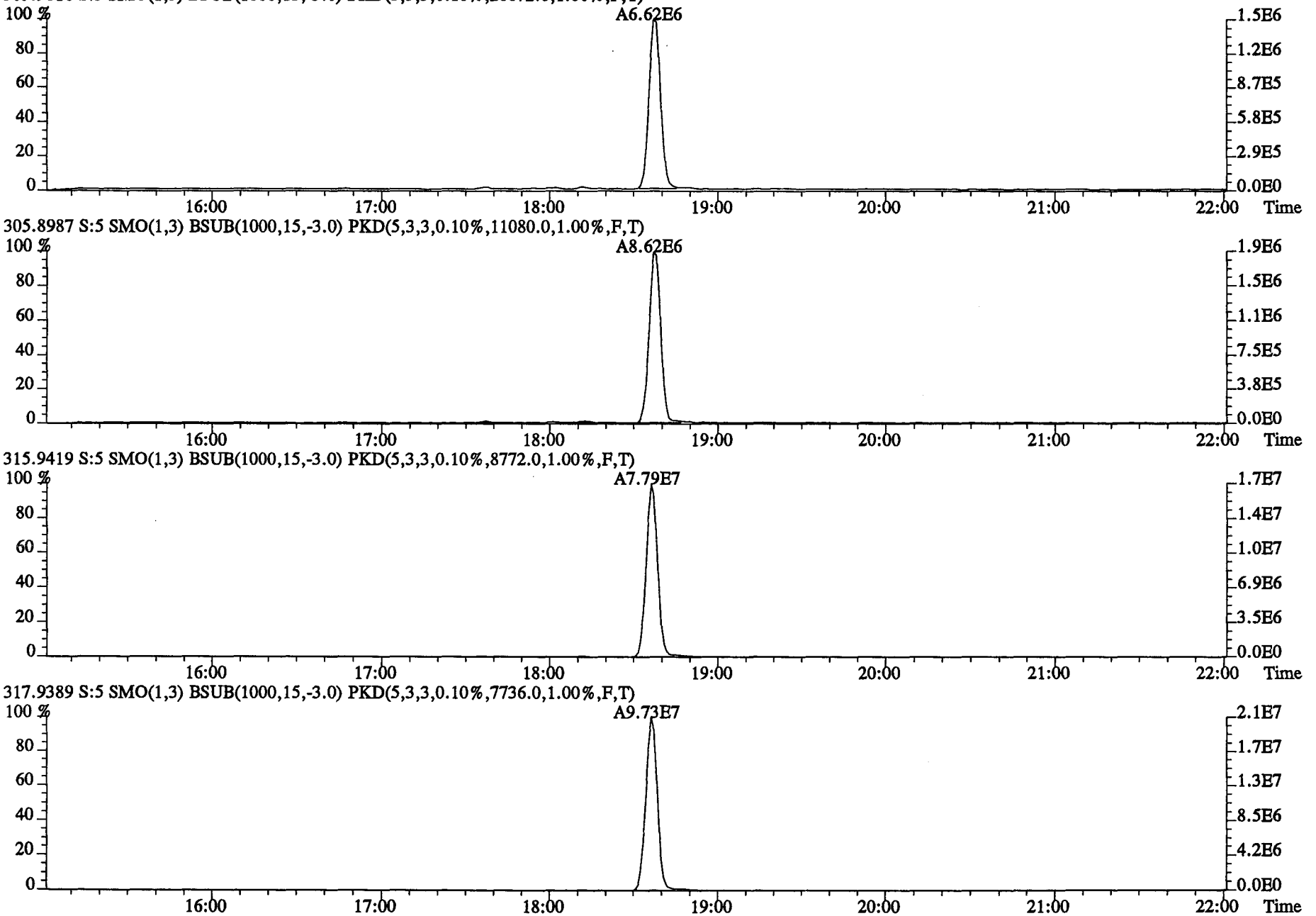
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:07:24 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 Text:ST1214A :CS-2 10DXN504 Exp:DIOXINRES
454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



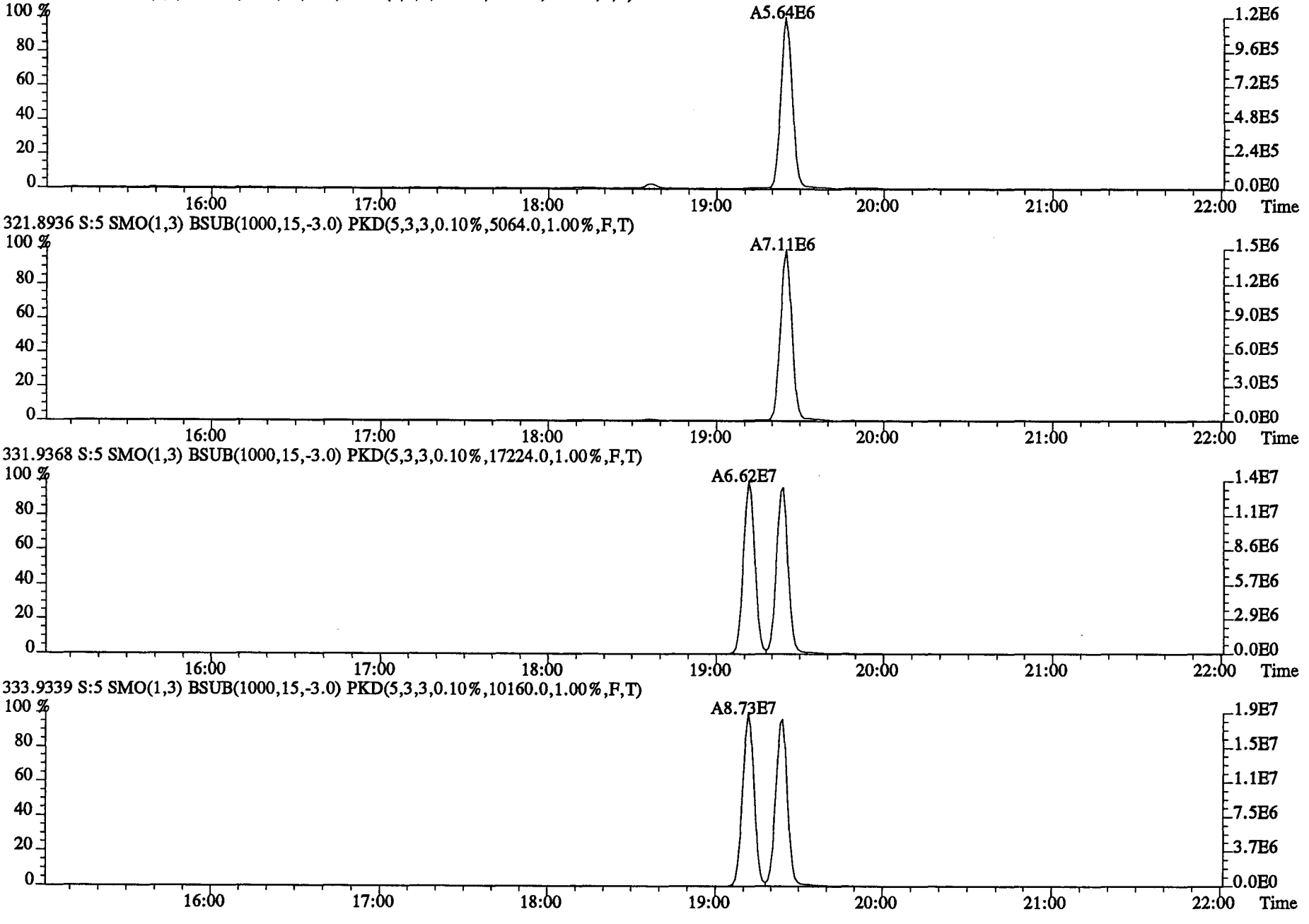
442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



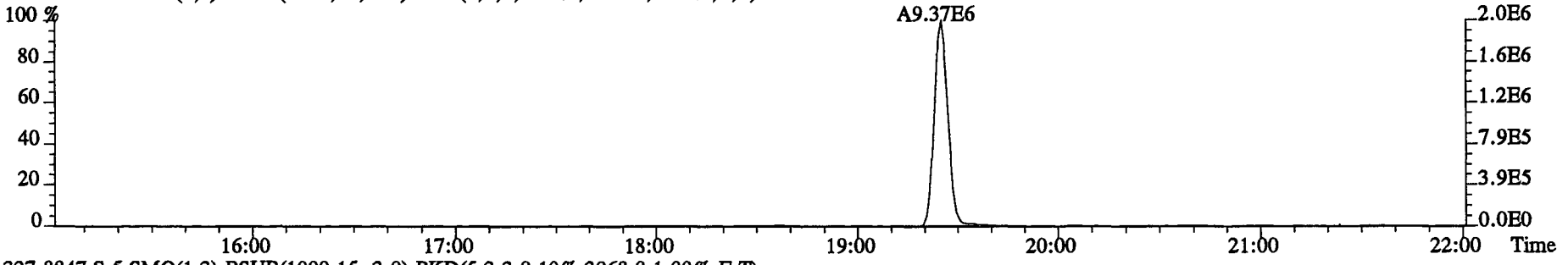
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



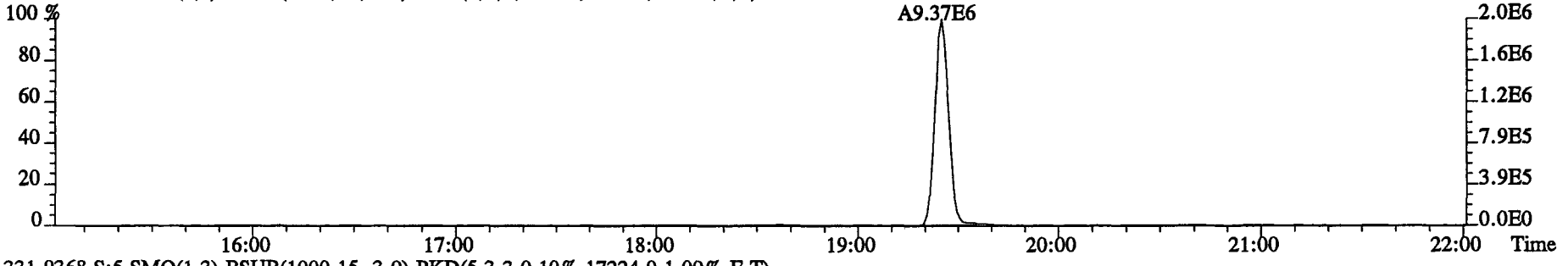
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



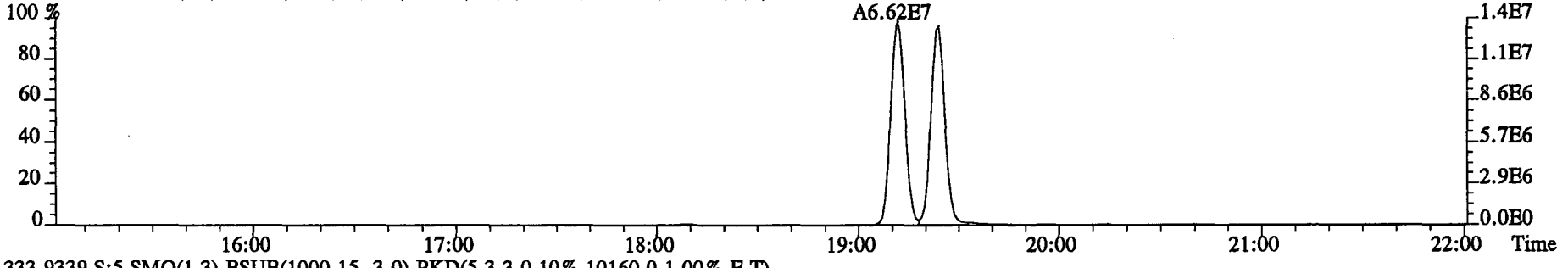
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)



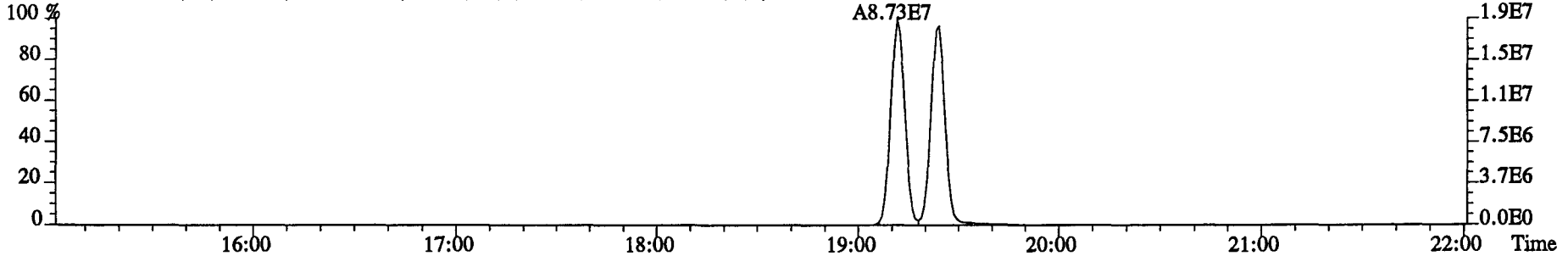
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)



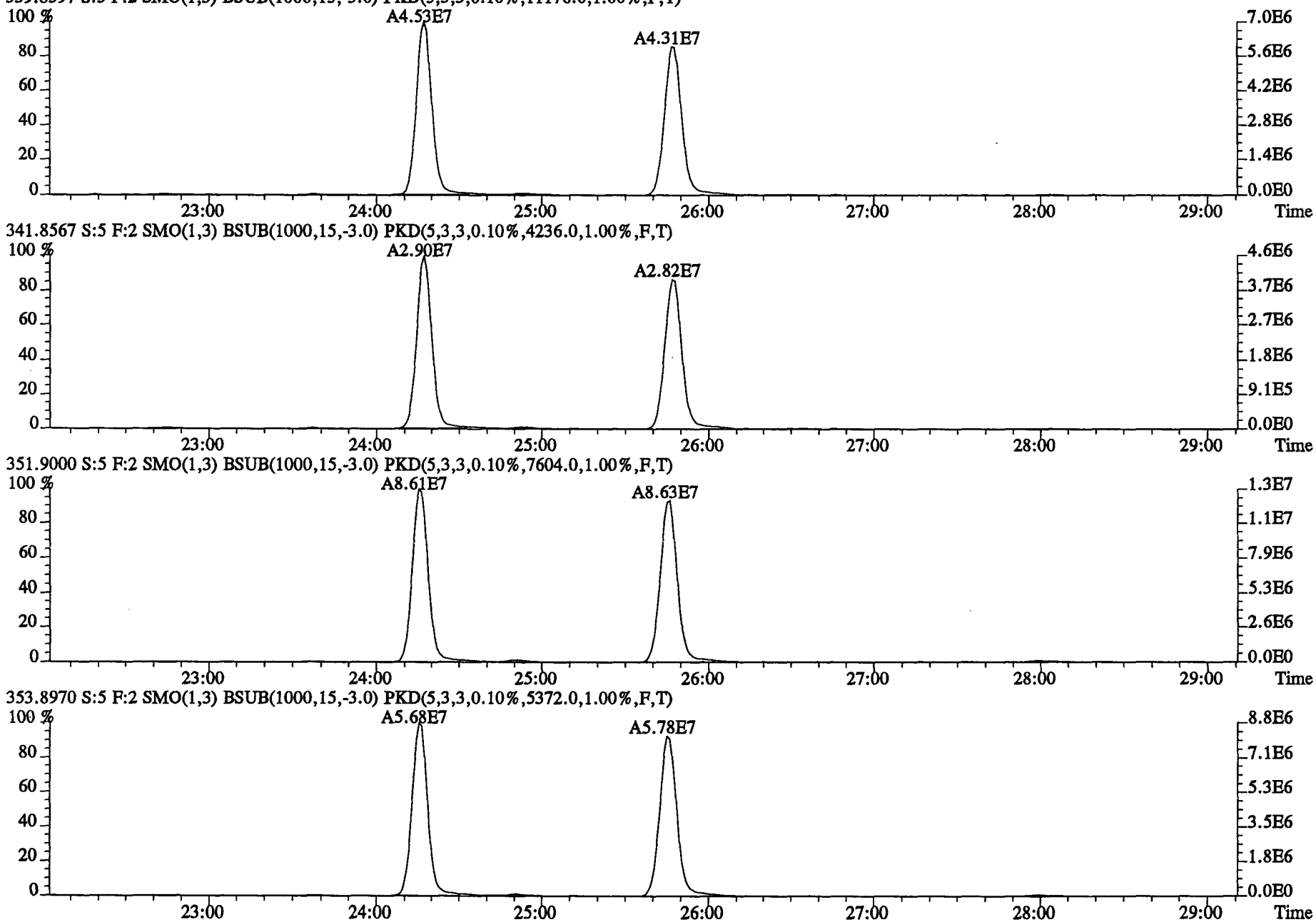
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17224.0,1.00%,F,T)



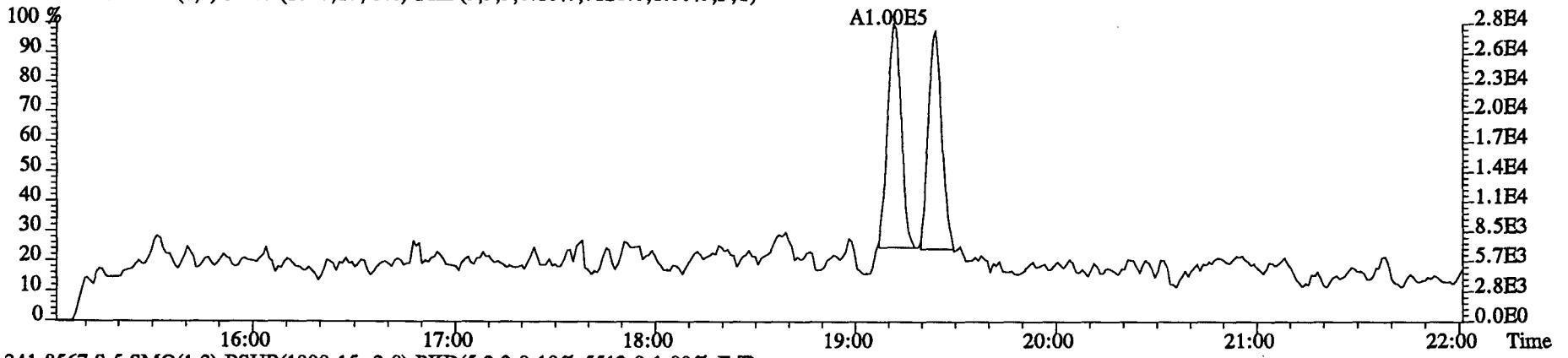
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10160.0,1.00%,F,T)



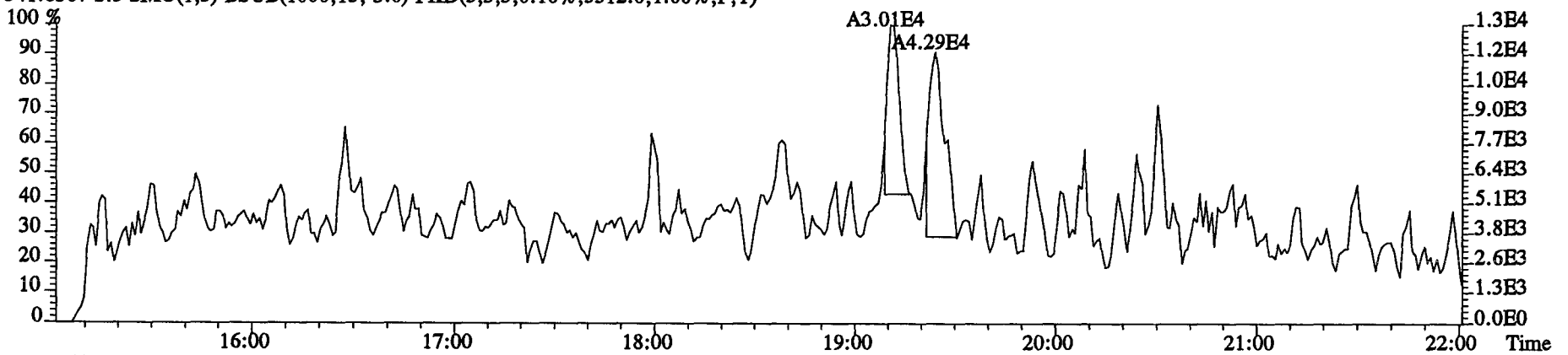
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



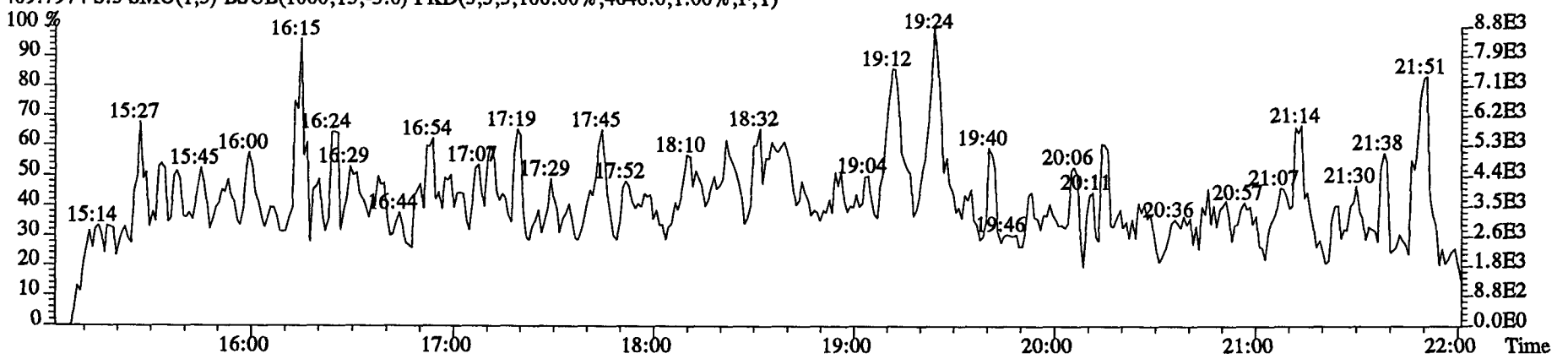
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
339.8597 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7120.0,1.00%,F,T)



341.8567 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5512.0,1.00%,F,T)

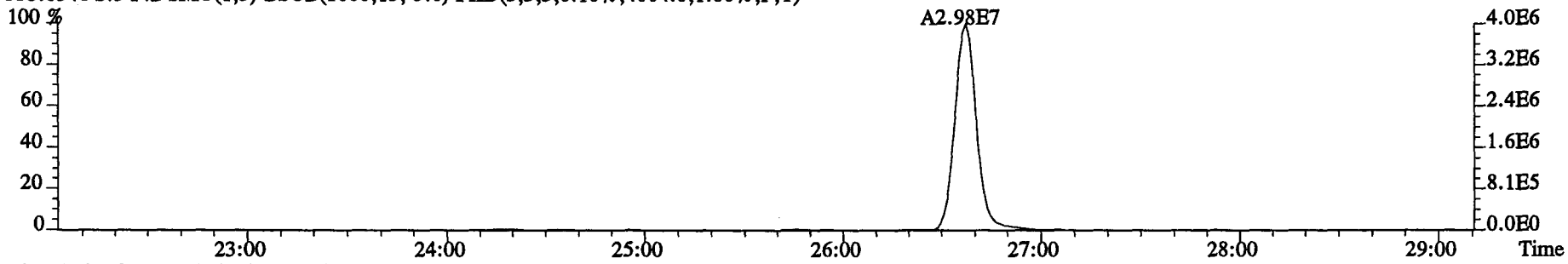


409.7974 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4648.0,1.00%,F,T)

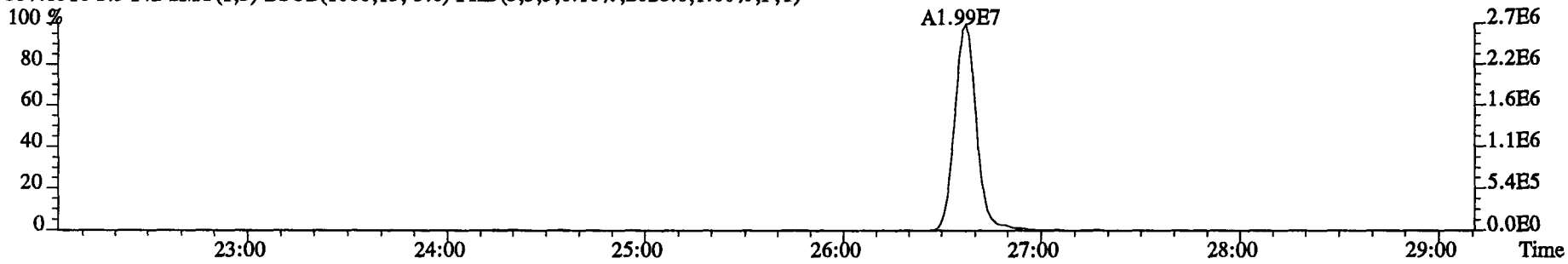


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

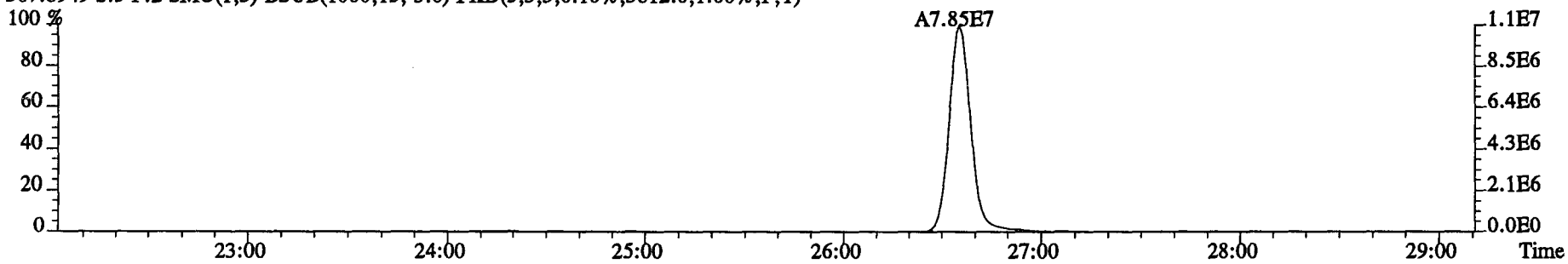
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4004.0,1.00%,F,T)



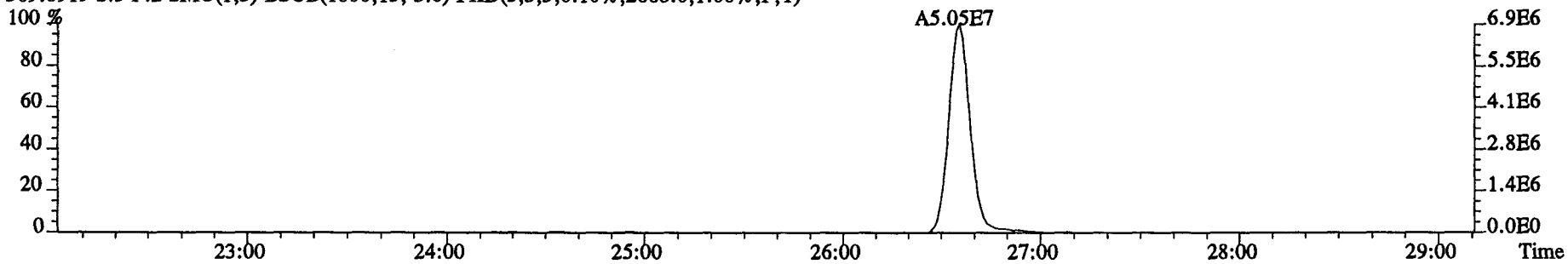
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2028.0,1.00%,F,T)



367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3812.0,1.00%,F,T)

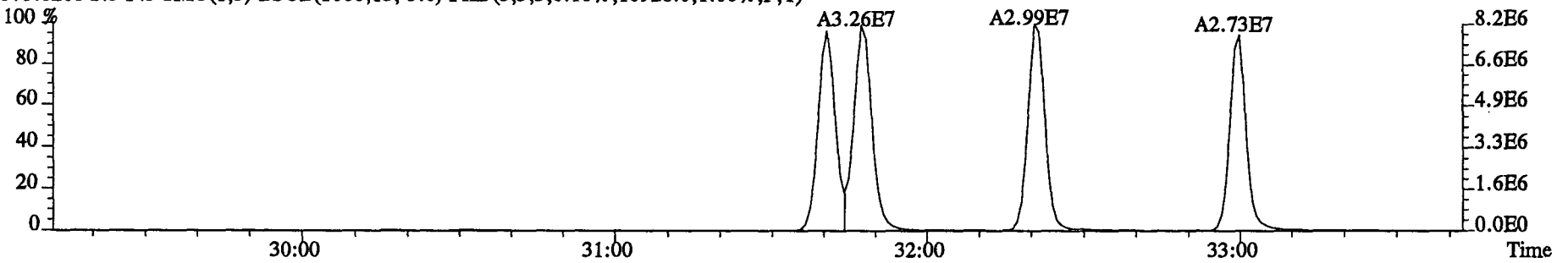


369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2668.0,1.00%,F,T)

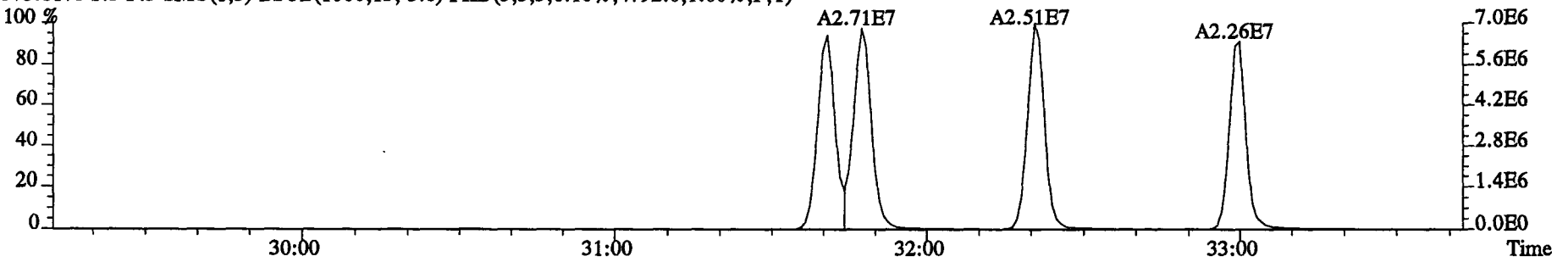


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

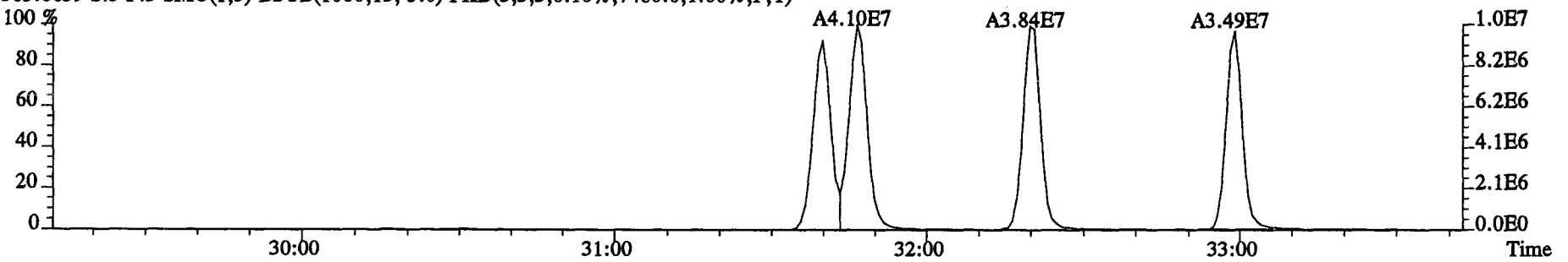
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10928.0,1.00%,F,T)



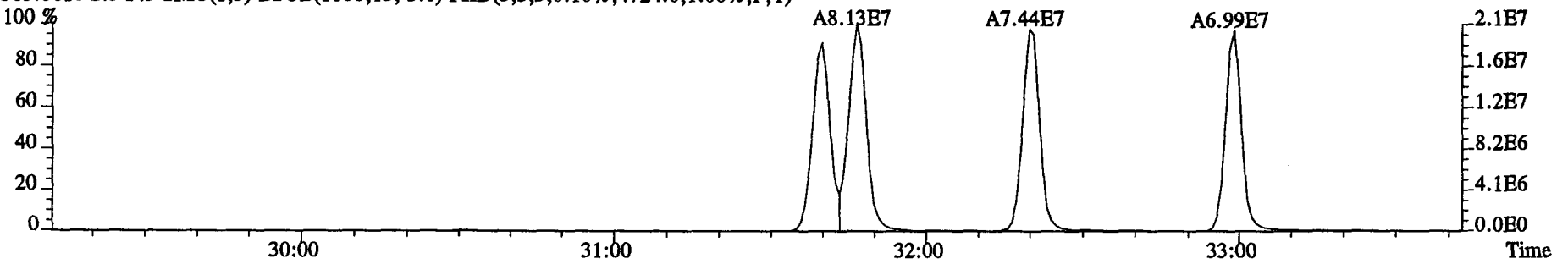
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4792.0,1.00%,F,T)



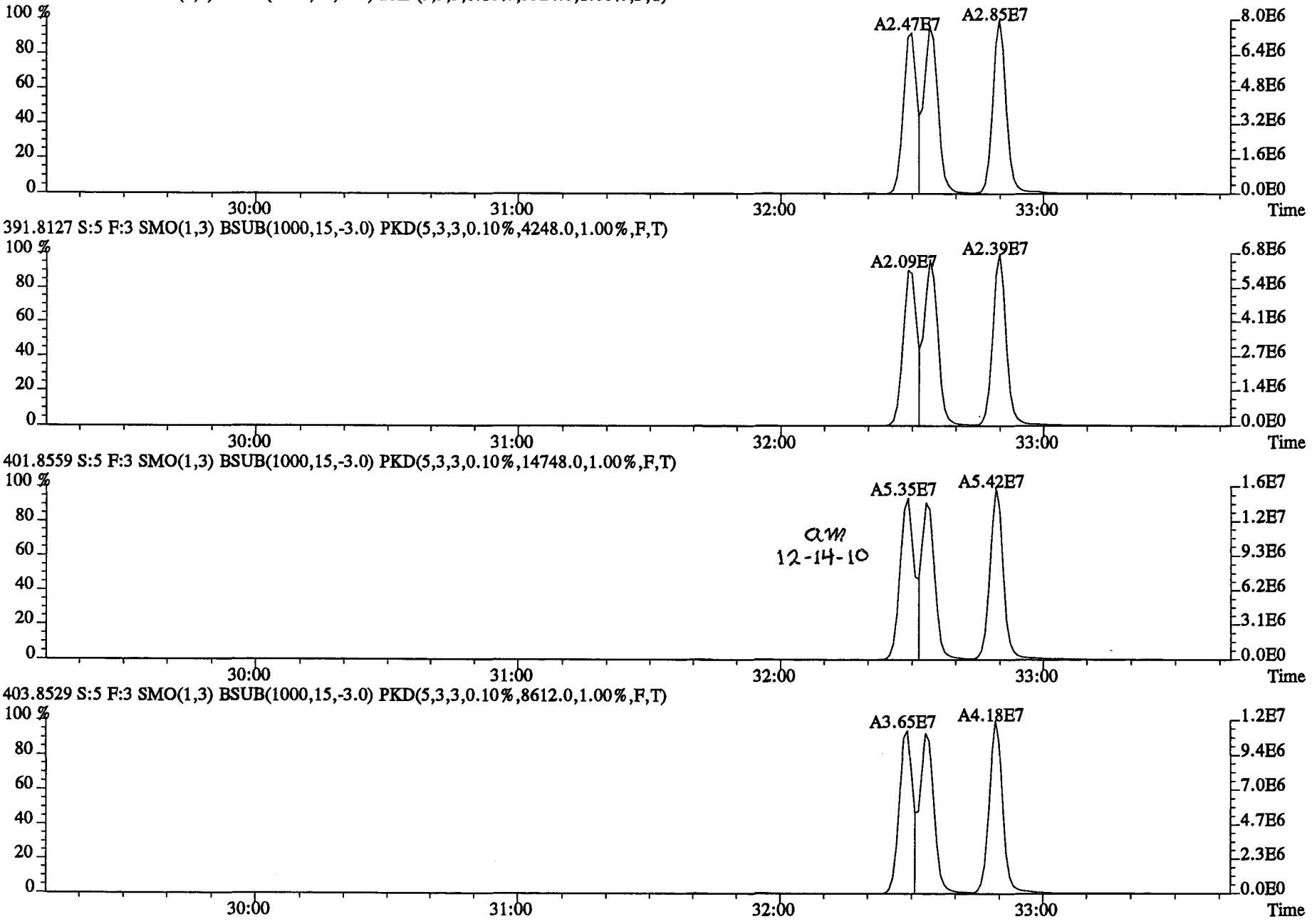
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7480.0,1.00%,F,T)



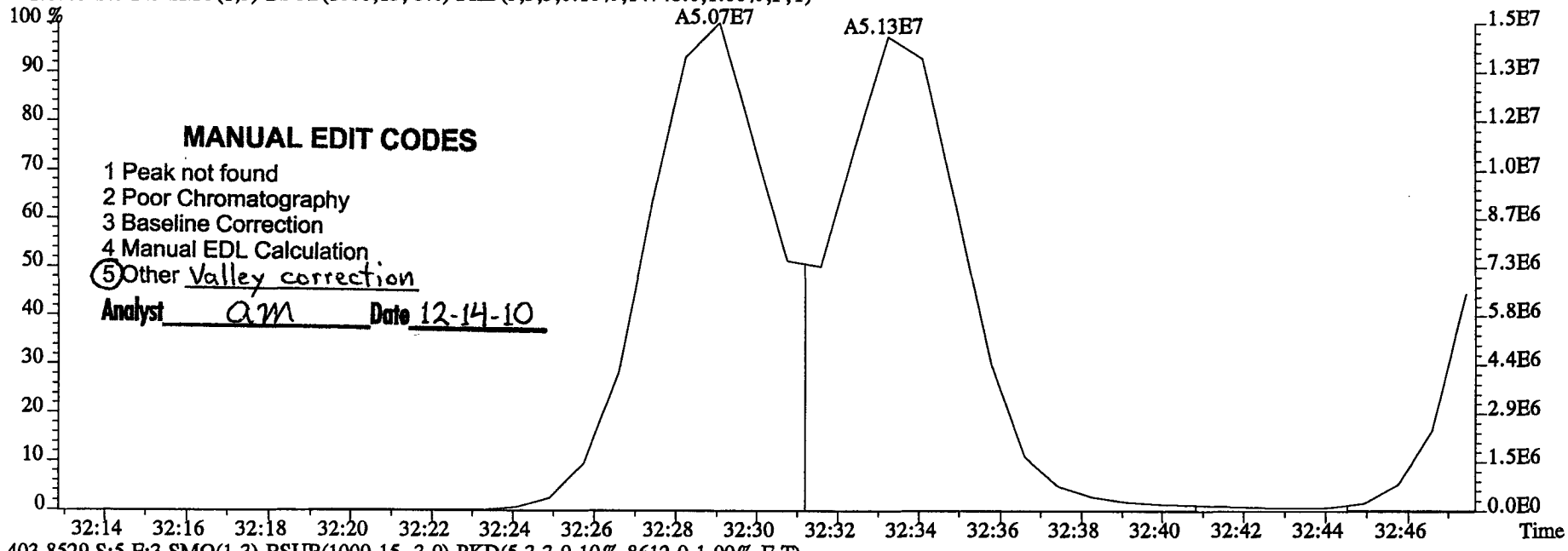
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)



File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14748.0,1.00%,F,T)

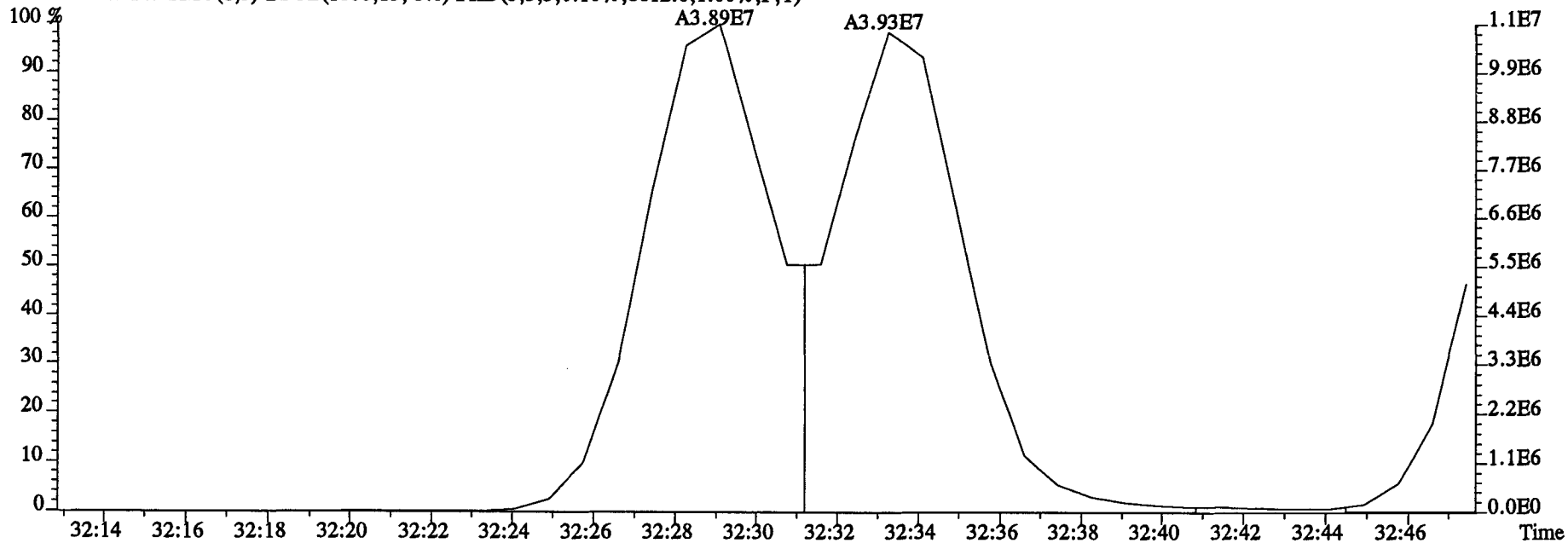


MANUAL EDIT CODES

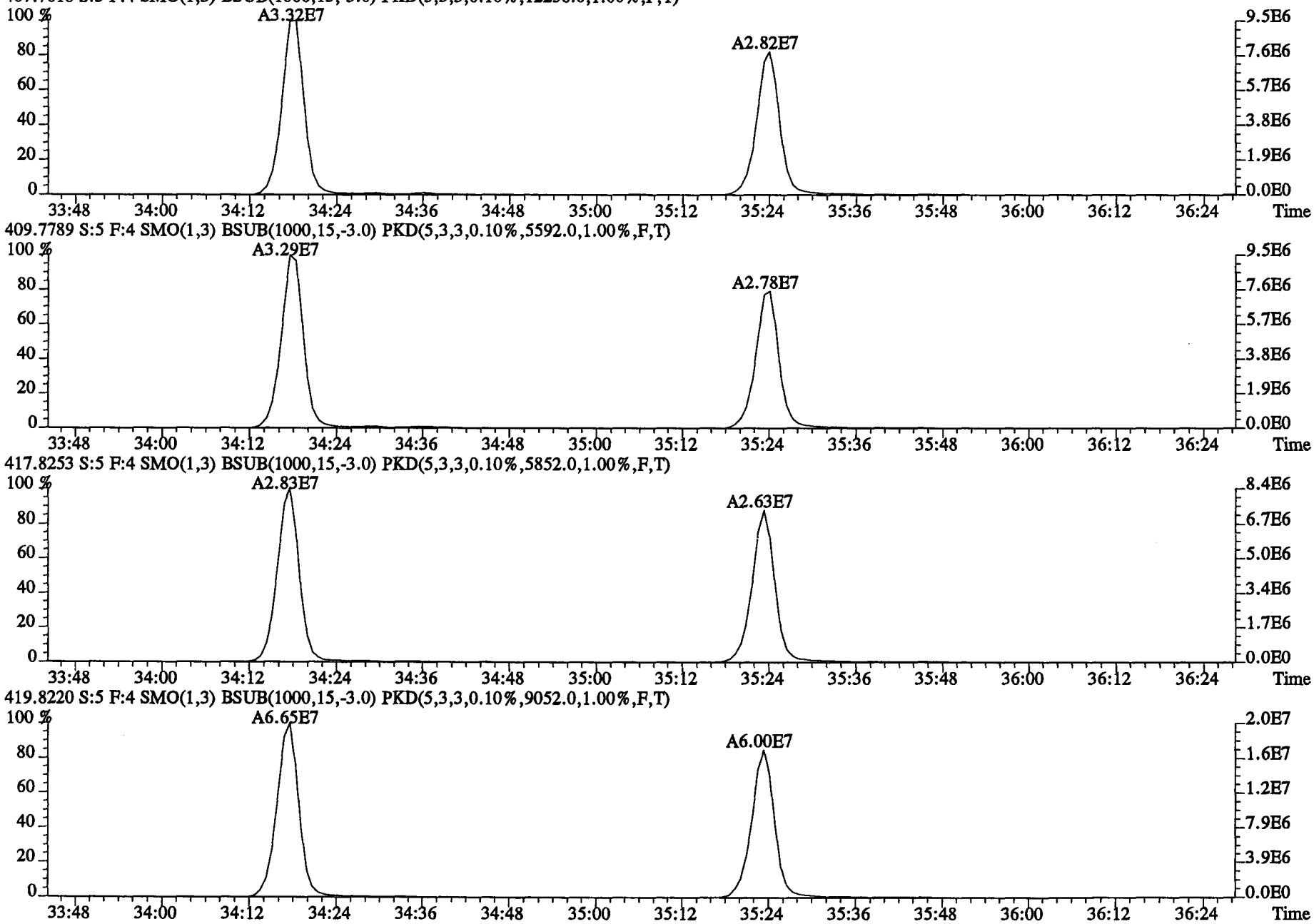
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
(5) Other Valley correction

Analyst QM Date 12-14-10

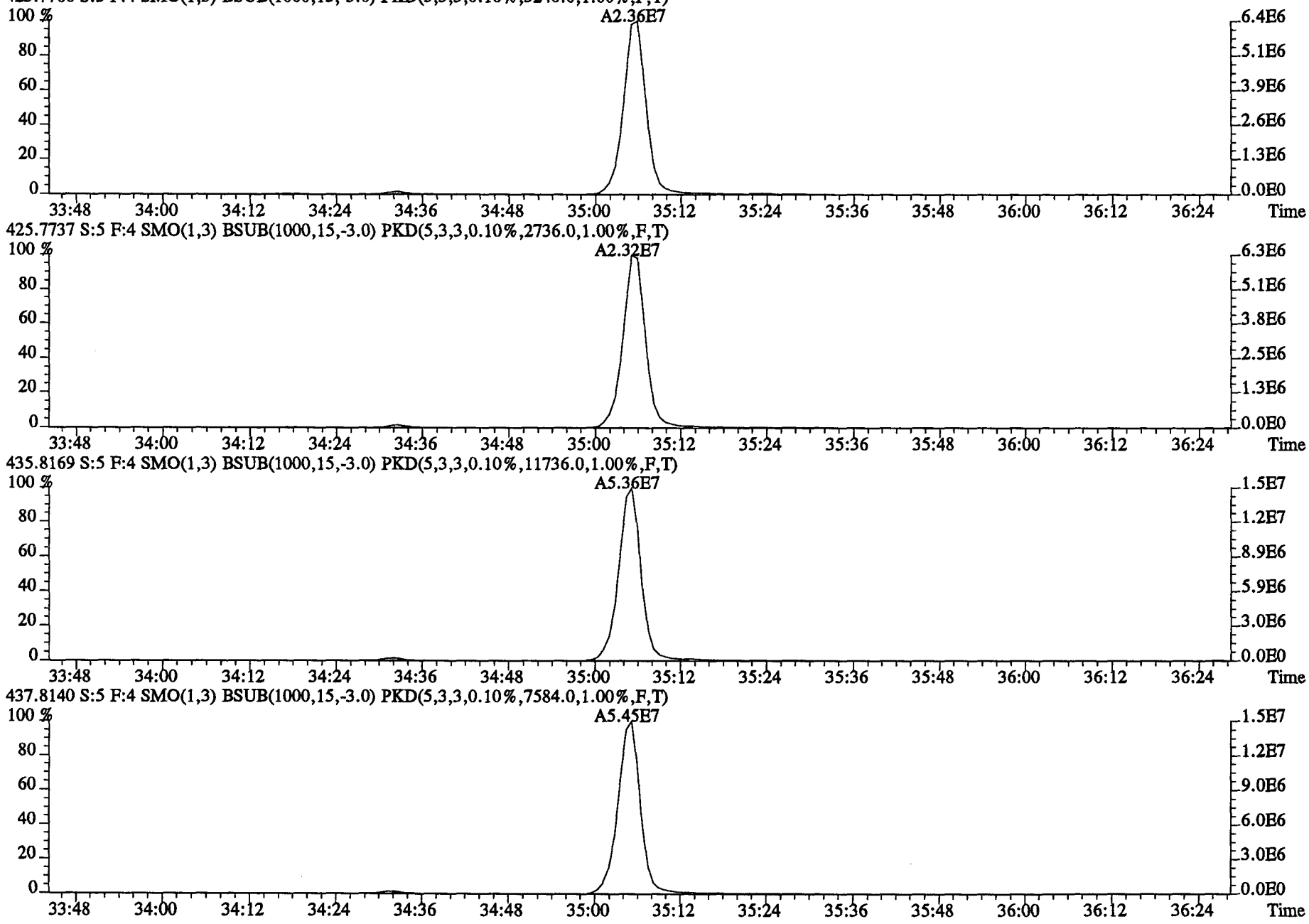
403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8612.0,1.00%,F,T)



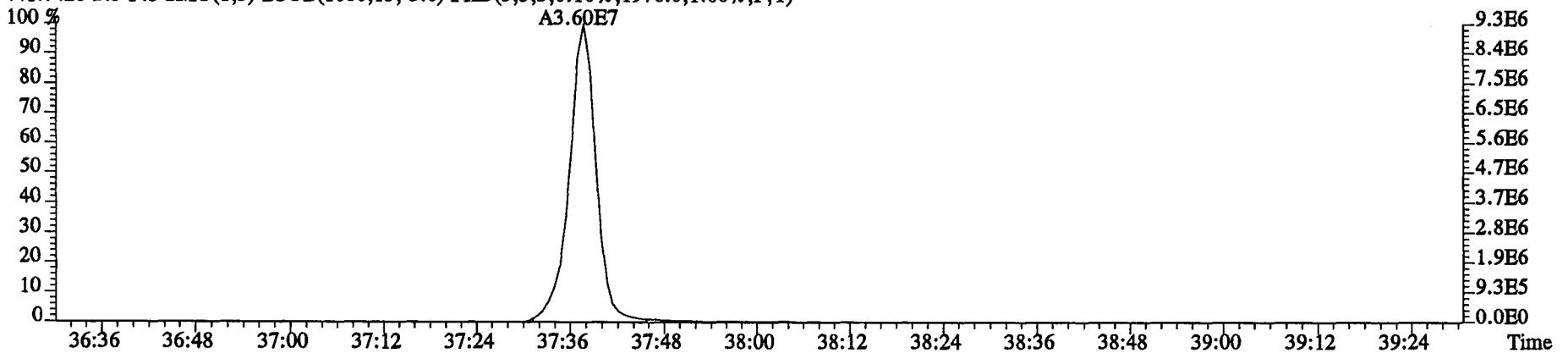
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



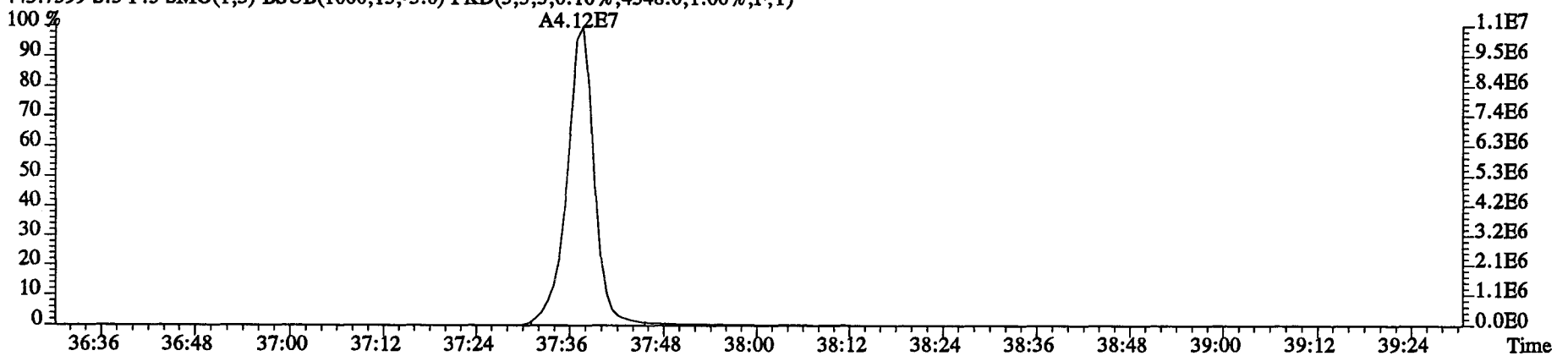
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



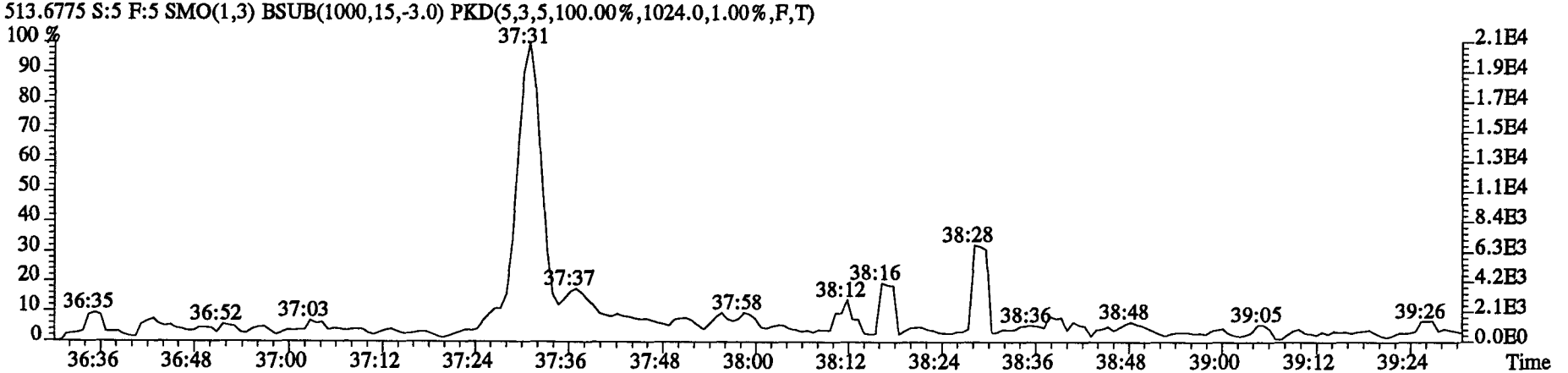
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1976.0,1.00%,F,T)



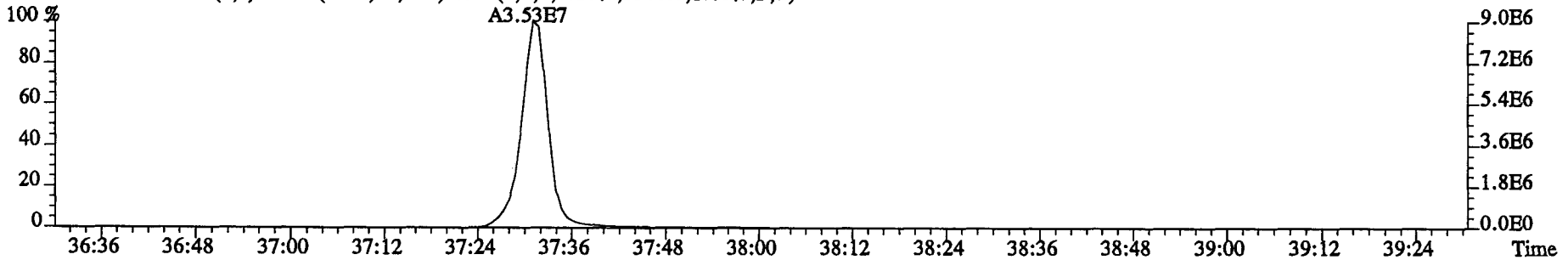
443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)



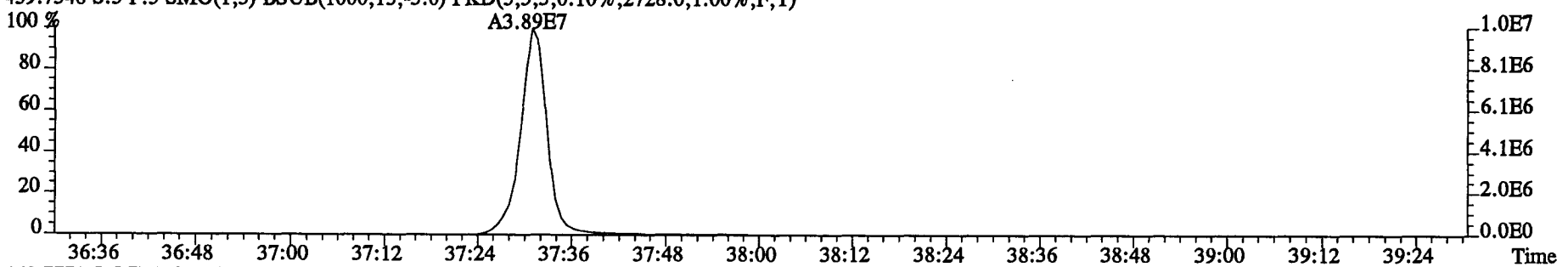
513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1024.0,1.00%,F,T)



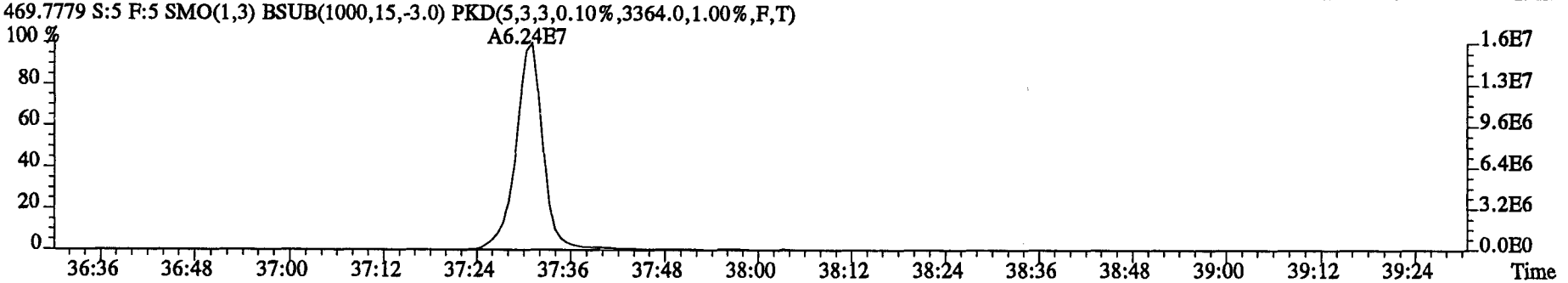
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5500.0,1.00%,F,T)



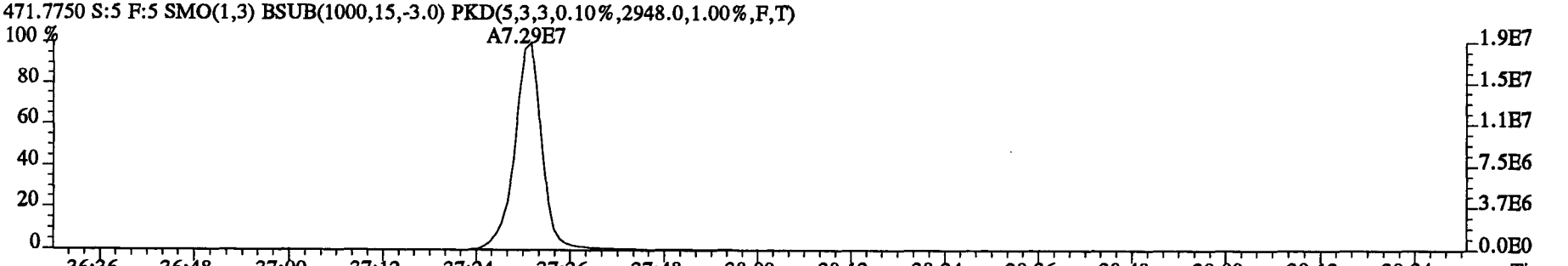
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2728.0,1.00%,F,T)



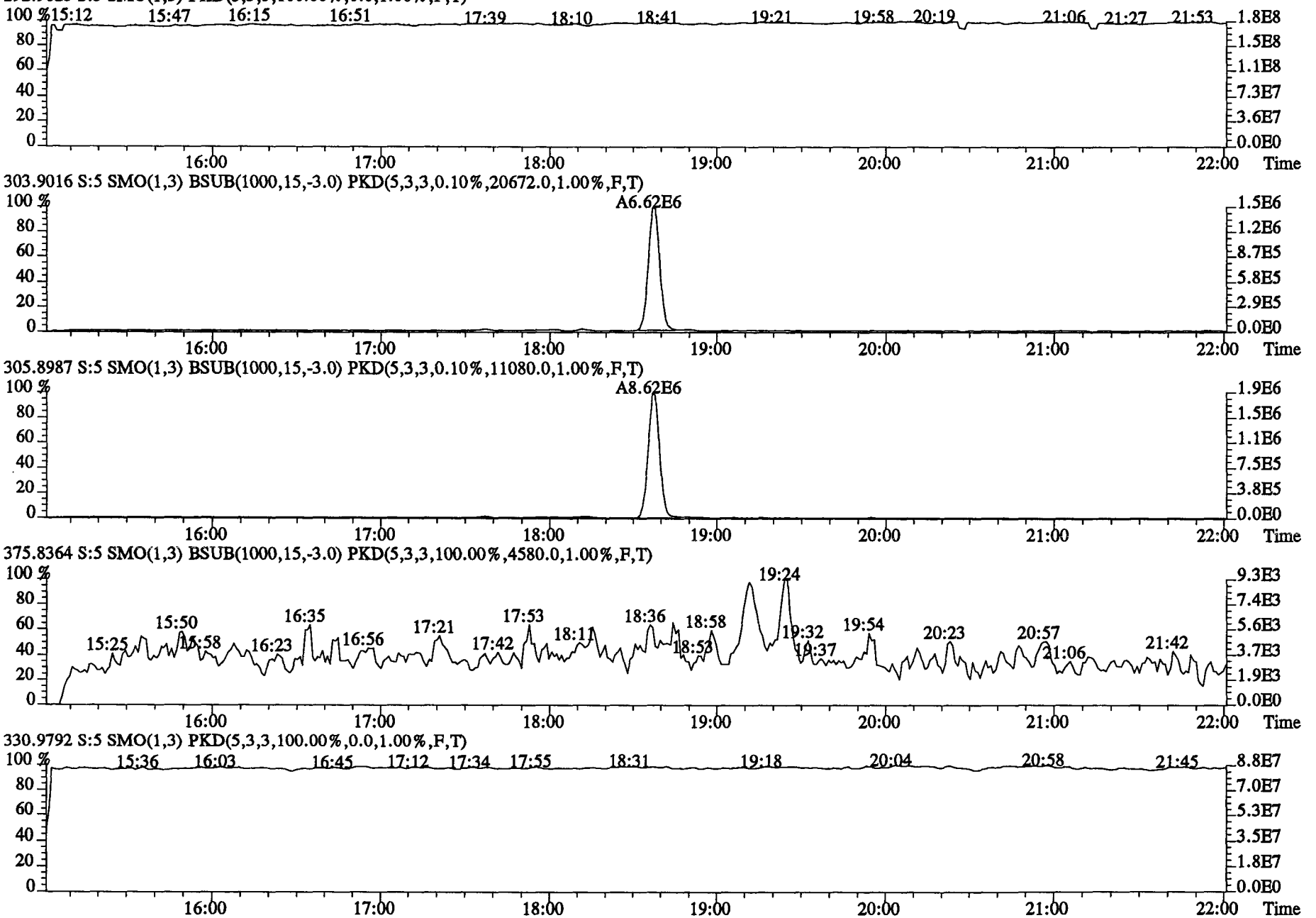
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3364.0,1.00%,F,T)



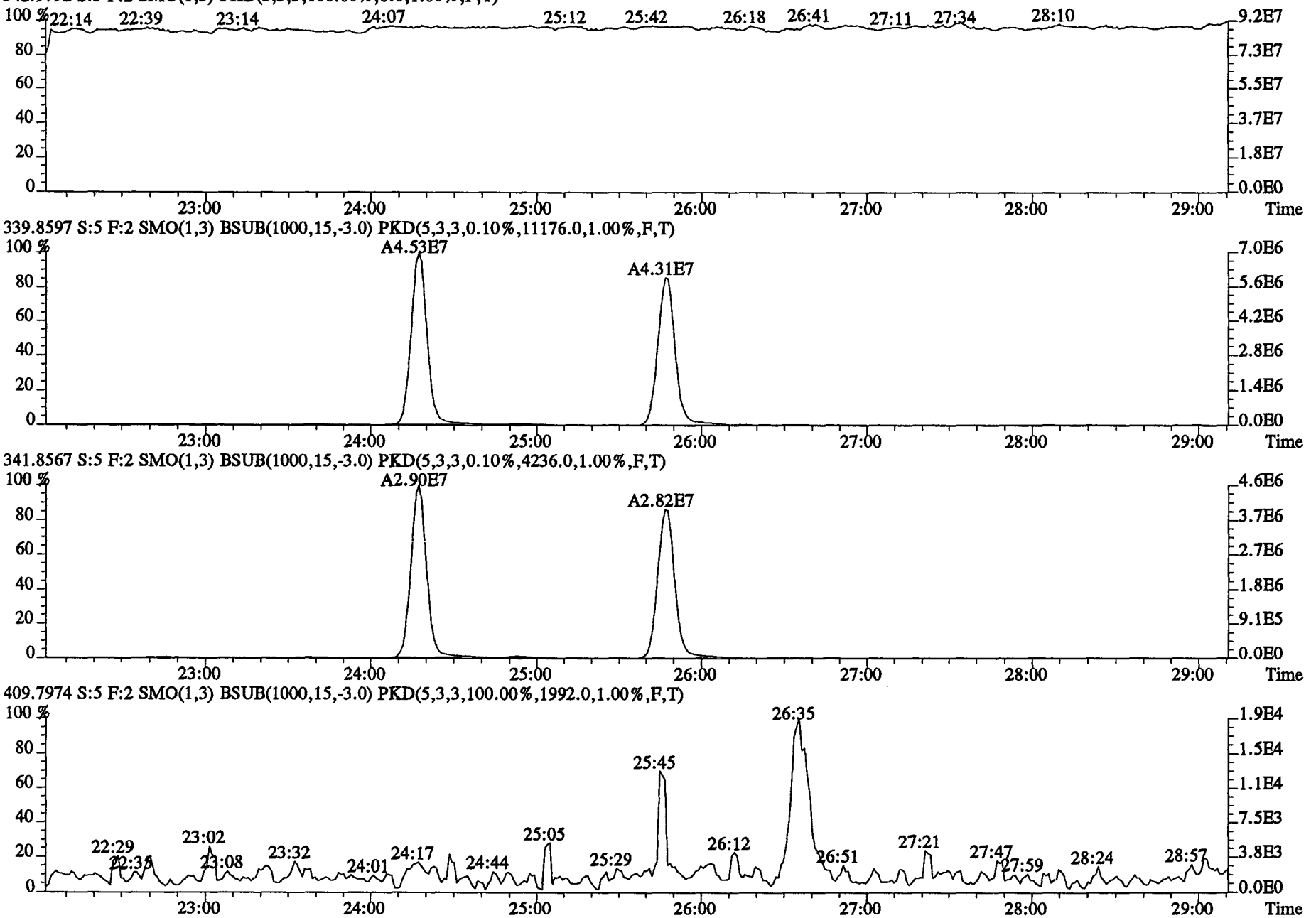
471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2948.0,1.00%,F,T)



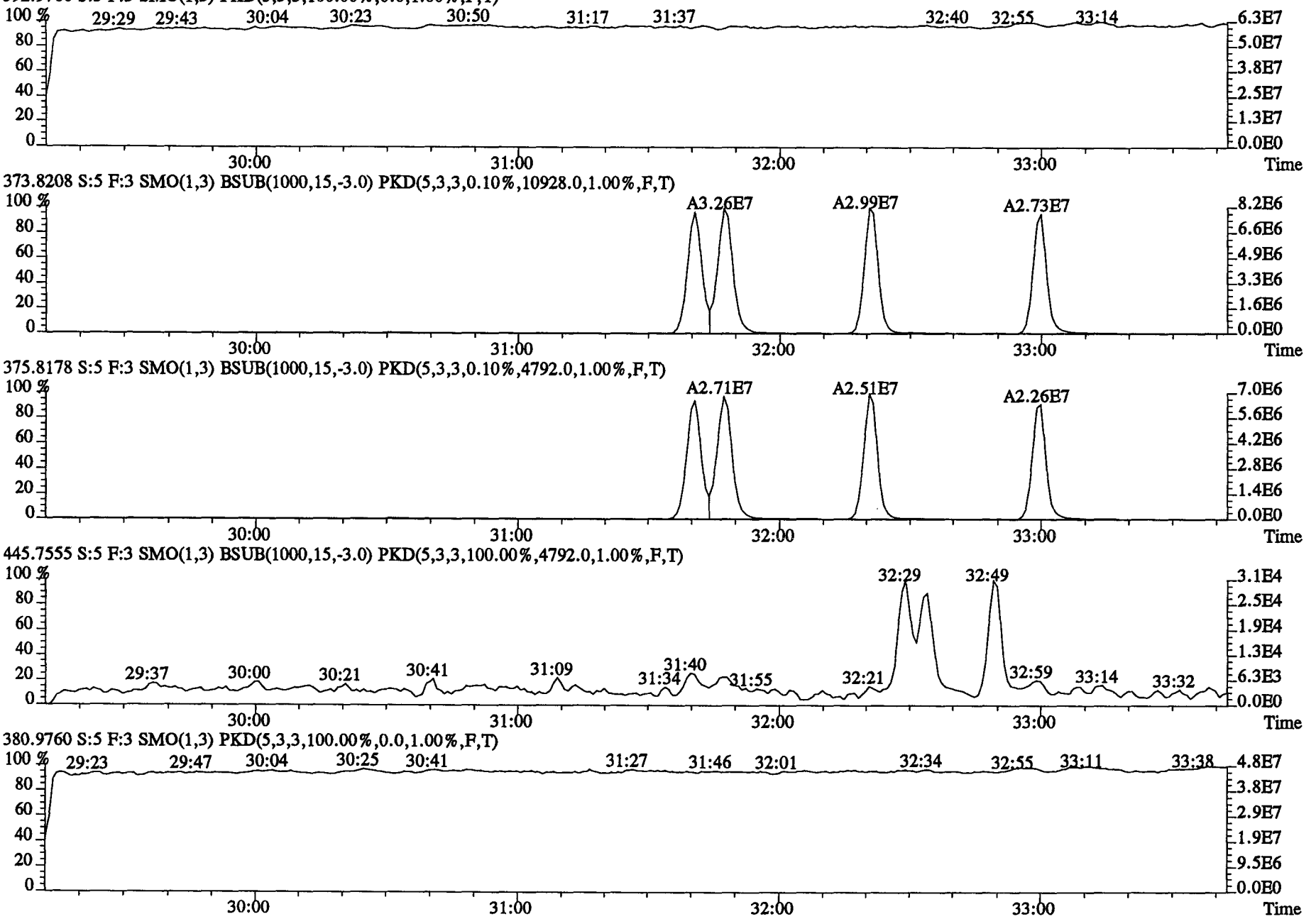
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



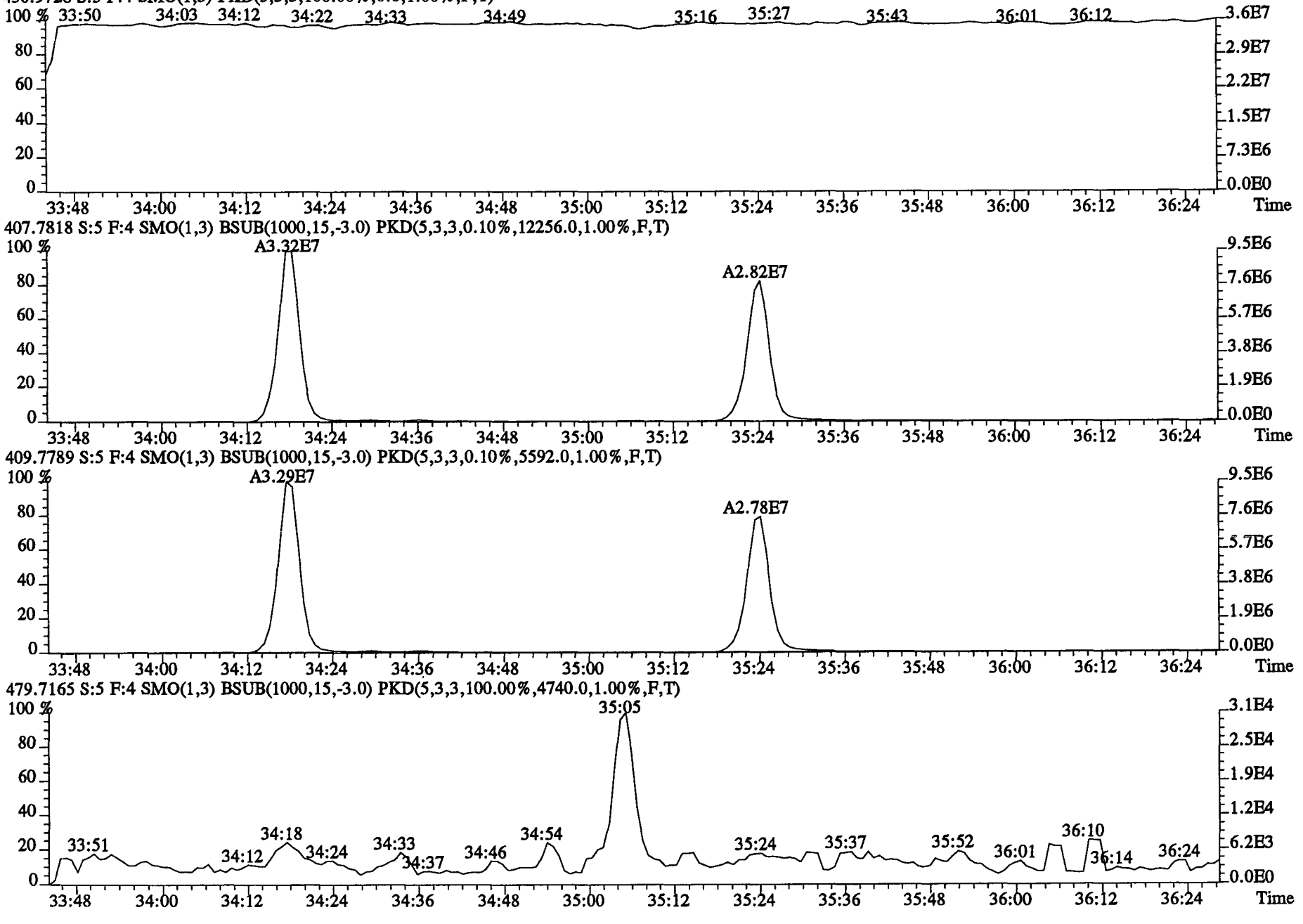
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



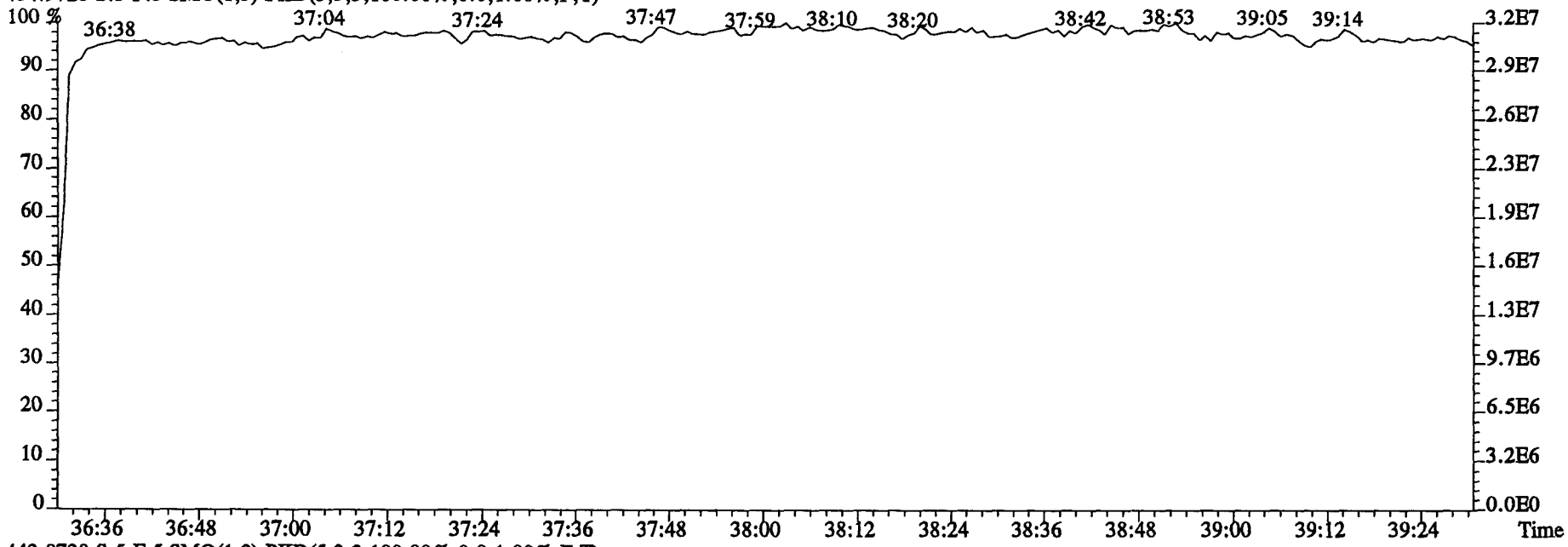
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



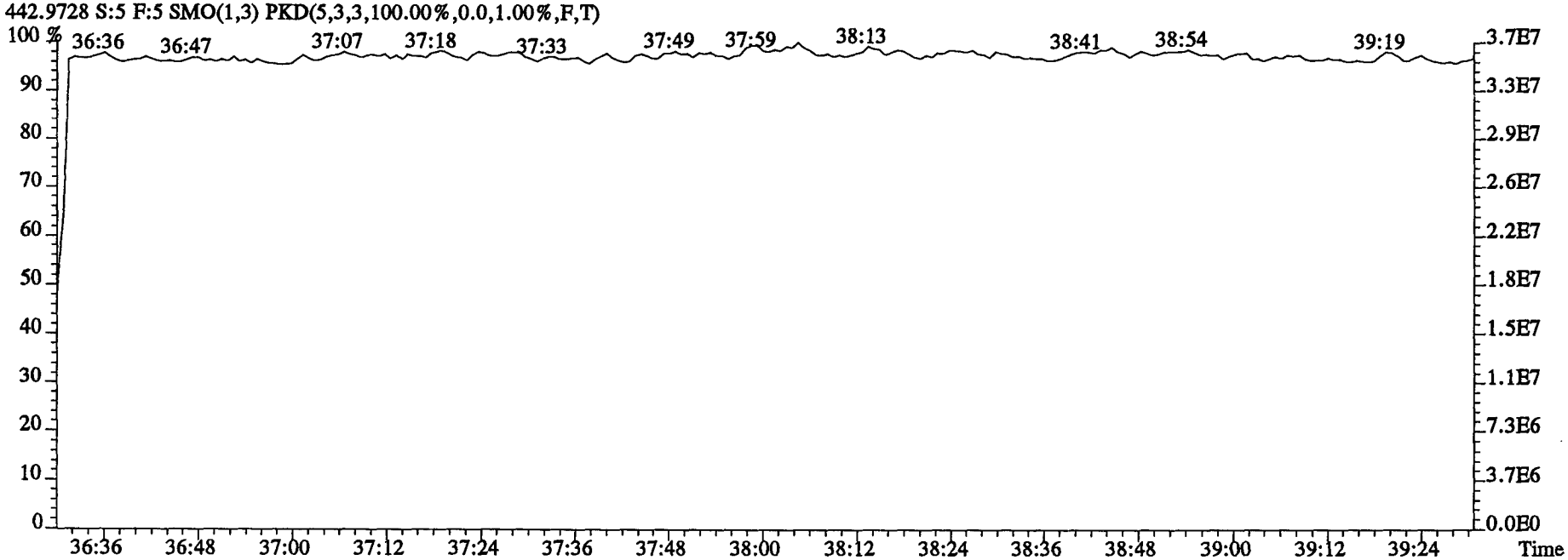
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

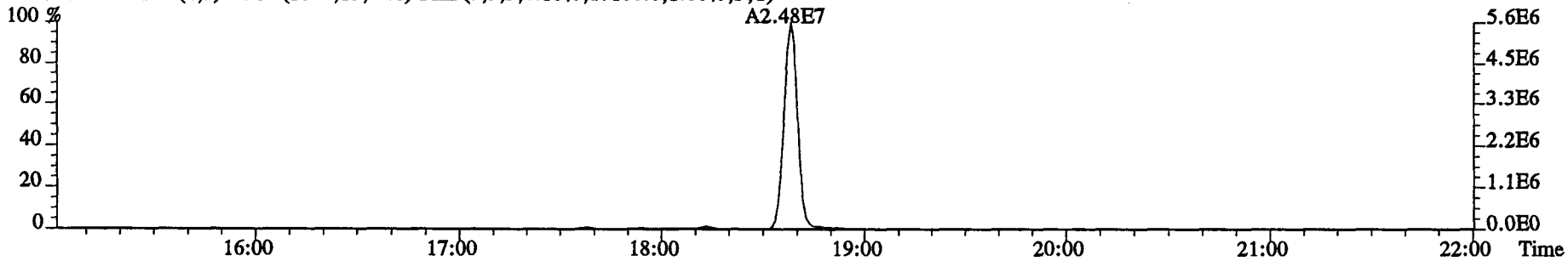


442.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

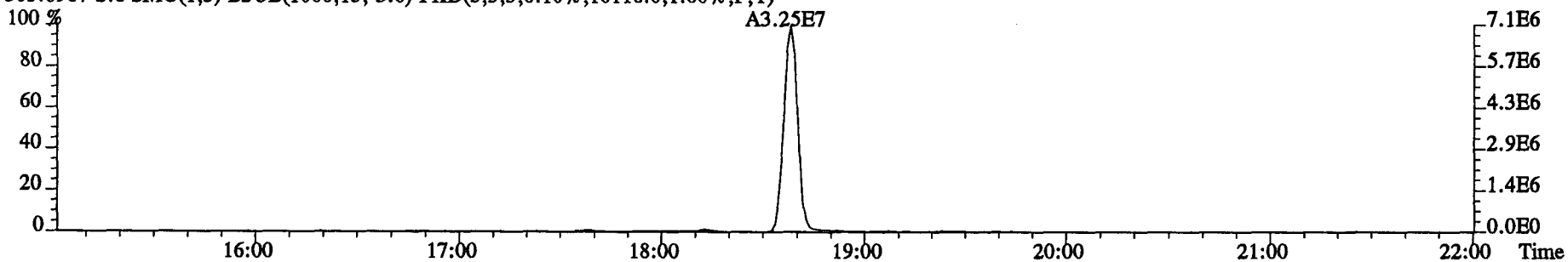


File:14DE10A9D5 #1-463 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

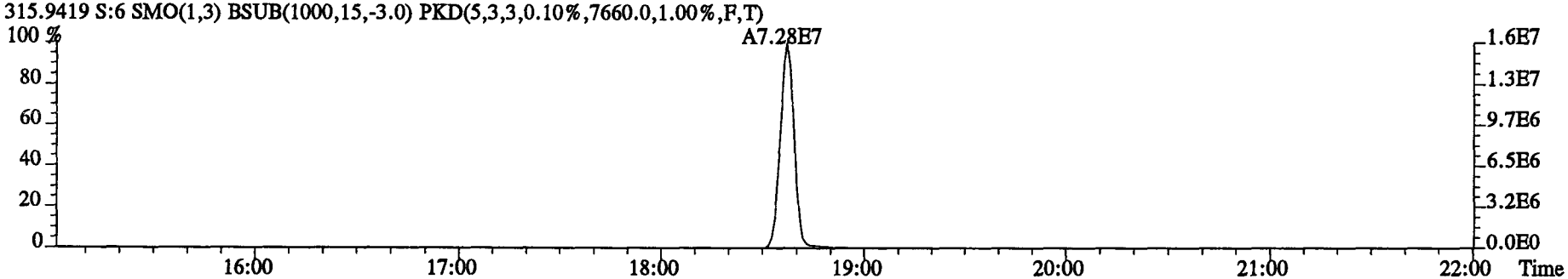
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17100.0,1.00%,F,T)



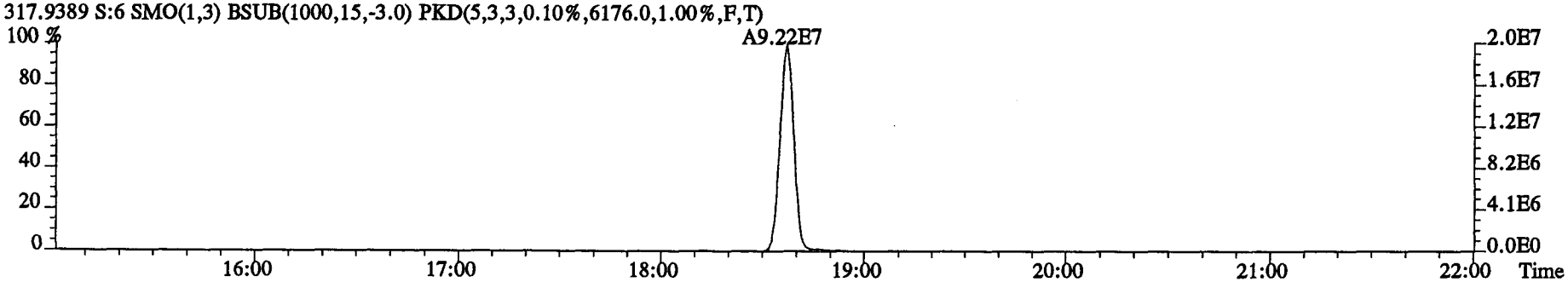
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10116.0,1.00%,F,T)



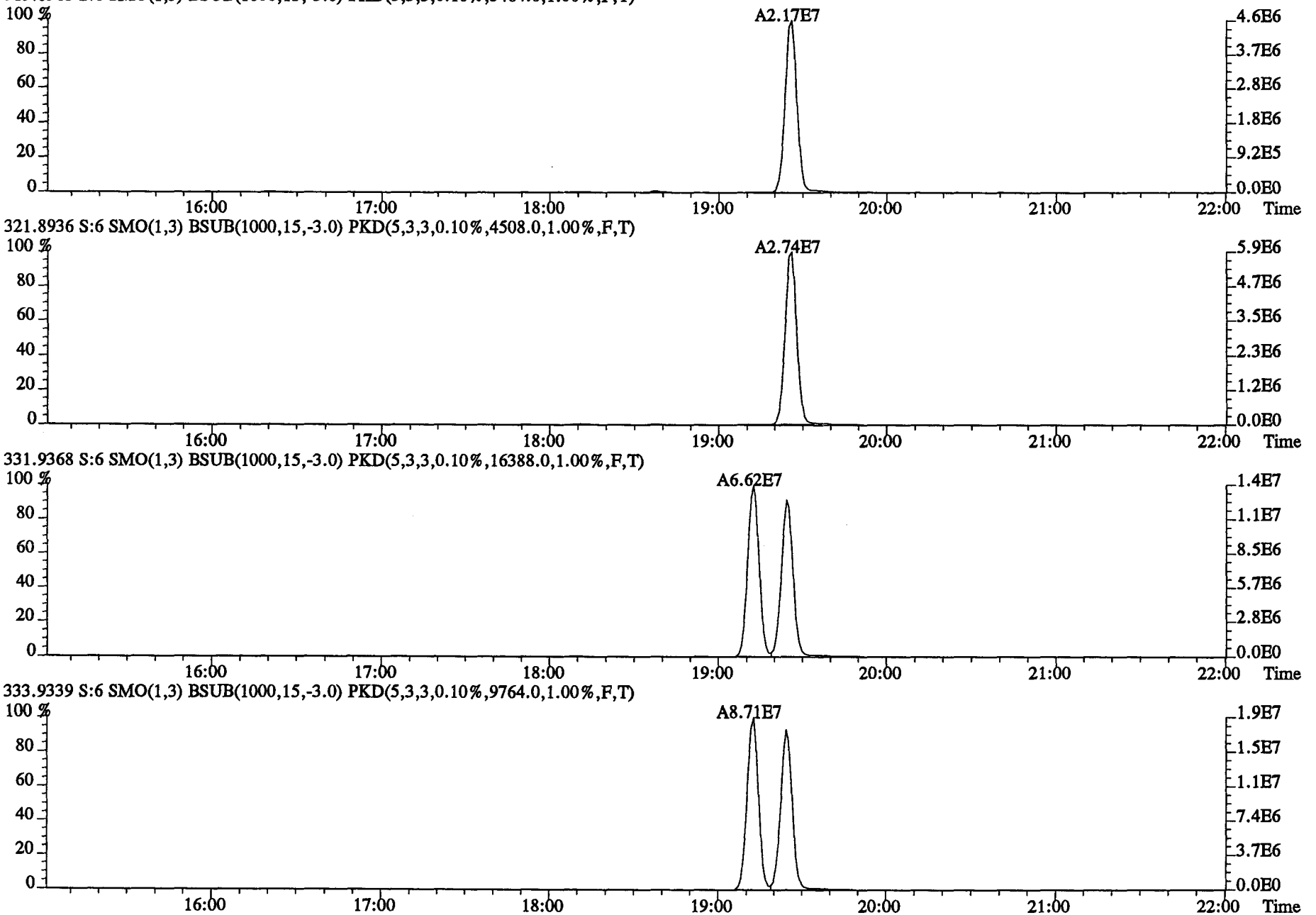
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7660.0,1.00%,F,T)



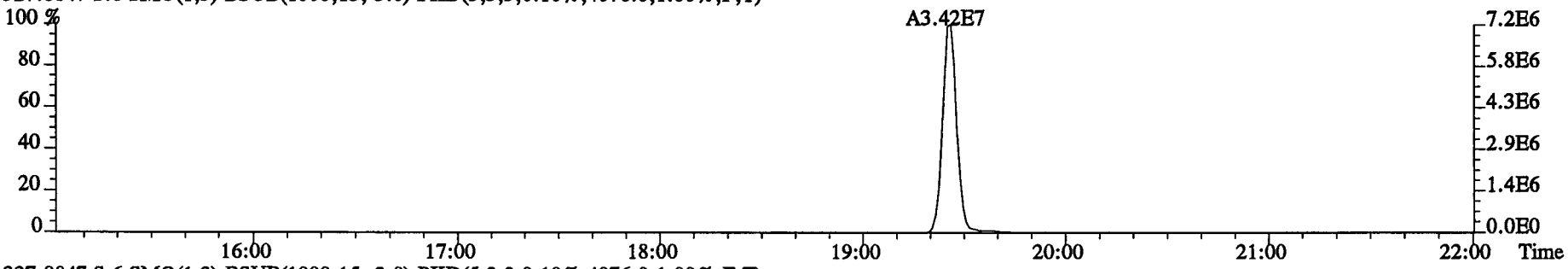
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6176.0,1.00%,F,T)



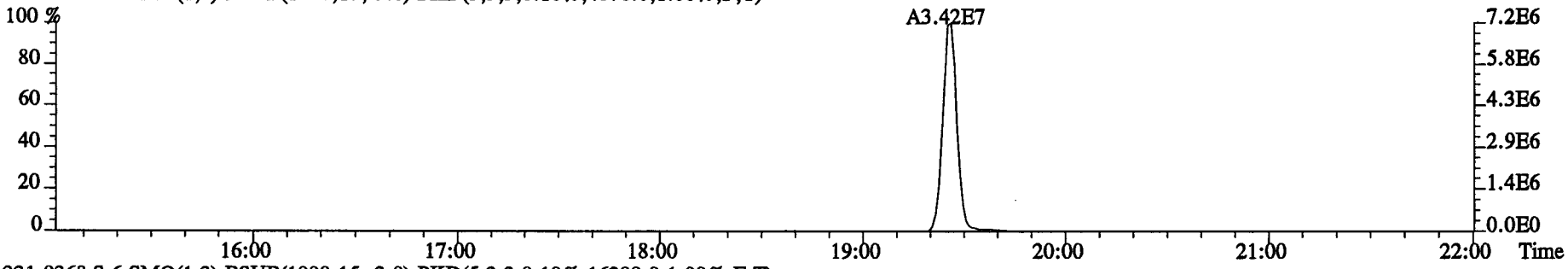
File:14DE10A9D5 #1-463 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES



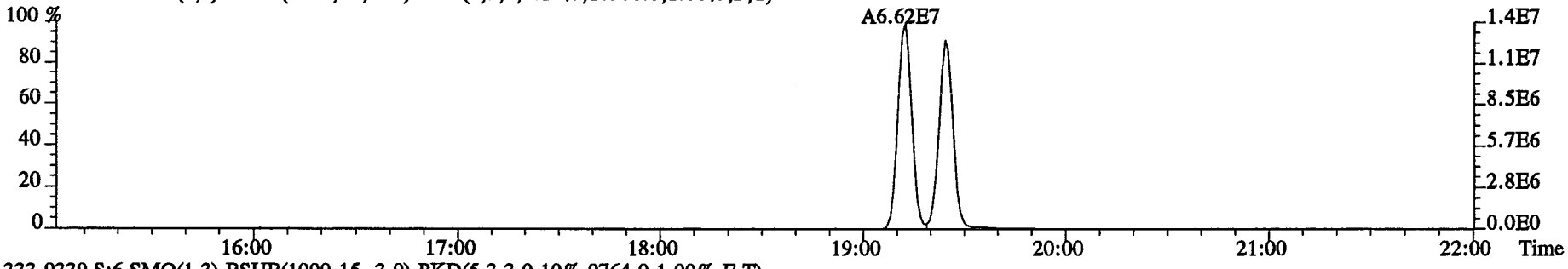
File:14DE10A9D5 #1-463 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)



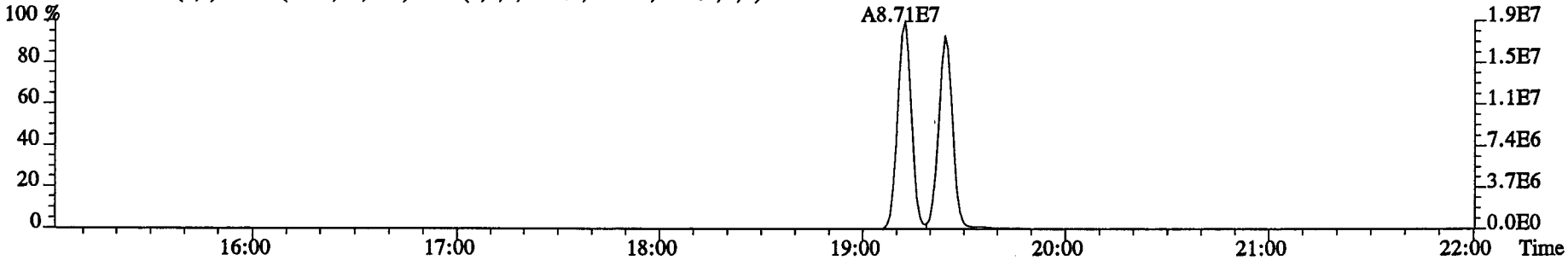
327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4076.0,1.00%,F,T)



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16388.0,1.00%,F,T)

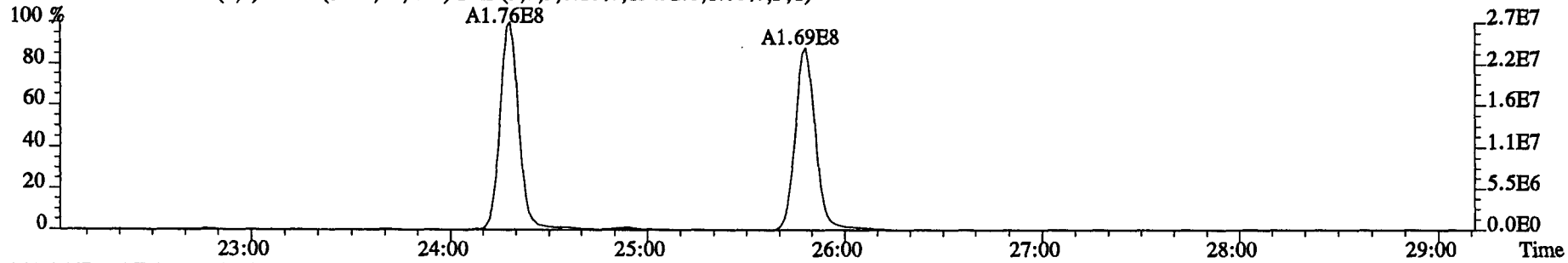


333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9764.0,1.00%,F,T)

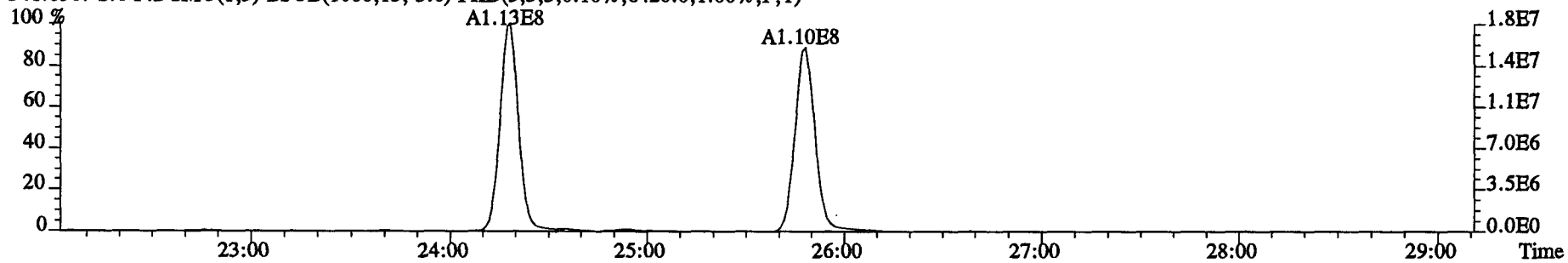


File:14DE10A9D5 #1-460 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

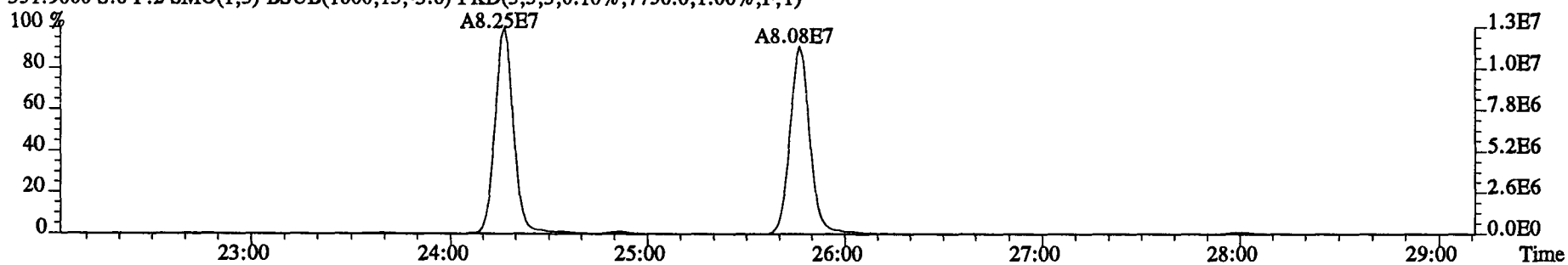
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13492.0,1.00%,F,T)



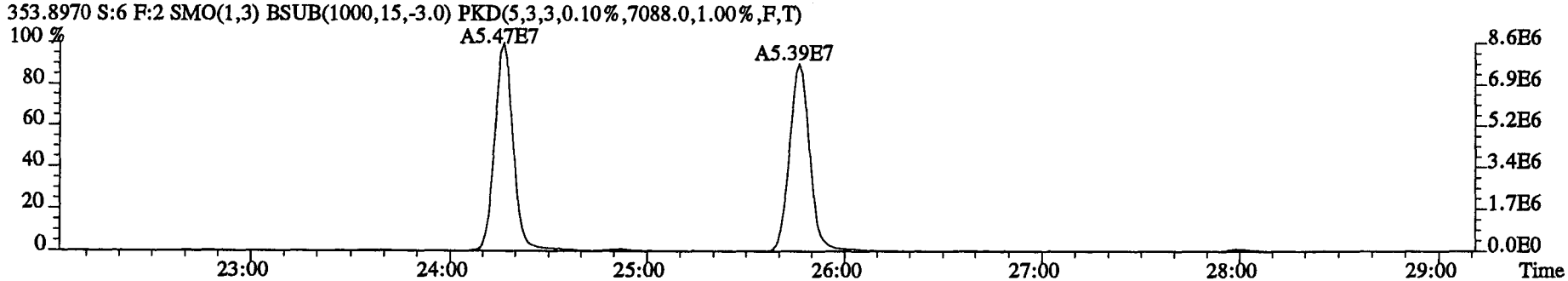
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6420.0,1.00%,F,T)



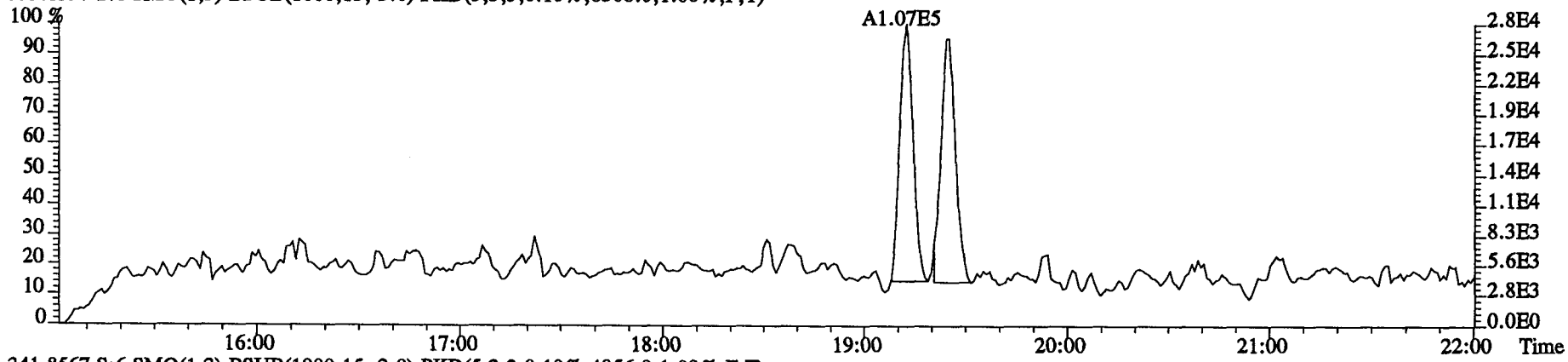
351.9000 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7756.0,1.00%,F,T)



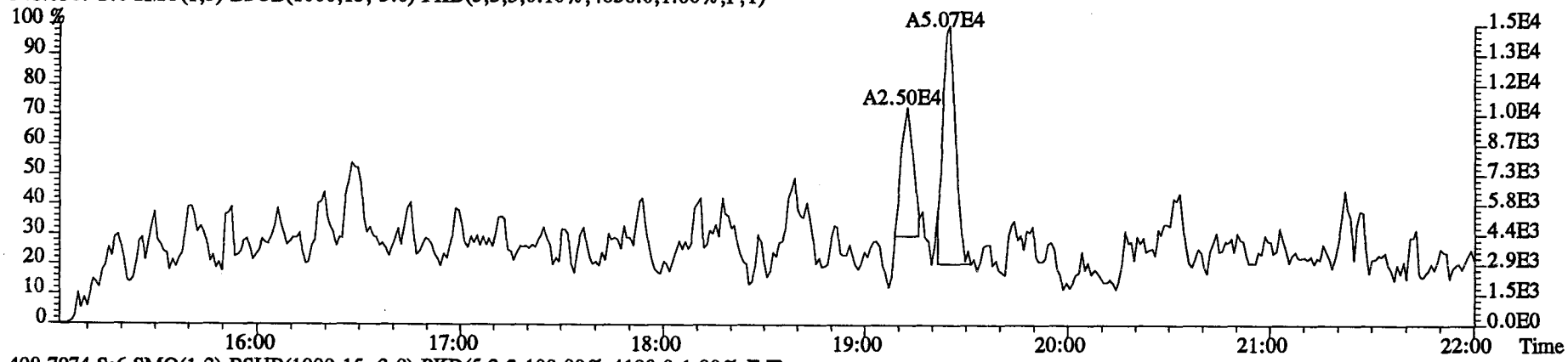
353.8970 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7088.0,1.00%,F,T)



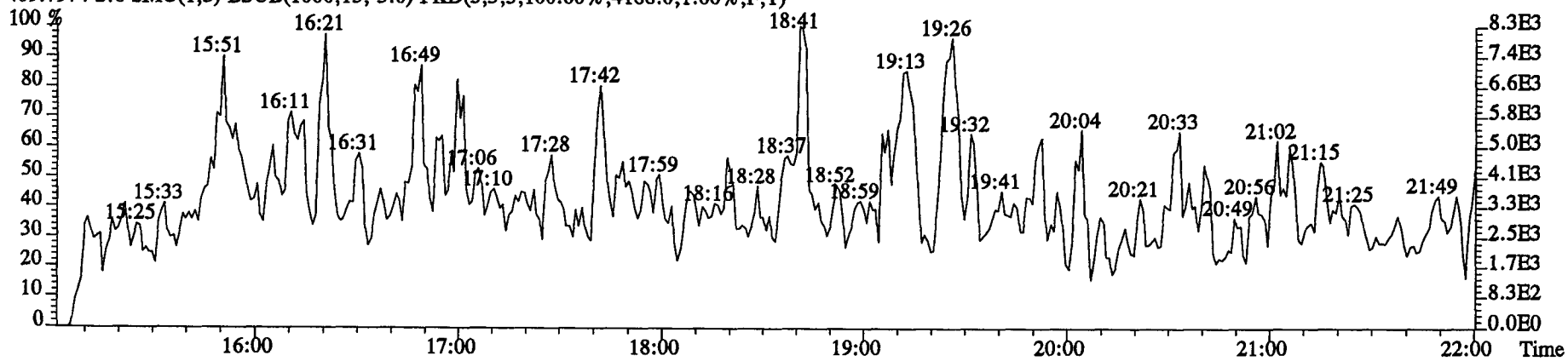
File:14DE10A9D5 #1-463 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES
339.8597 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6508.0,1.00%,F,T)



341.8567 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4856.0,1.00%,F,T)

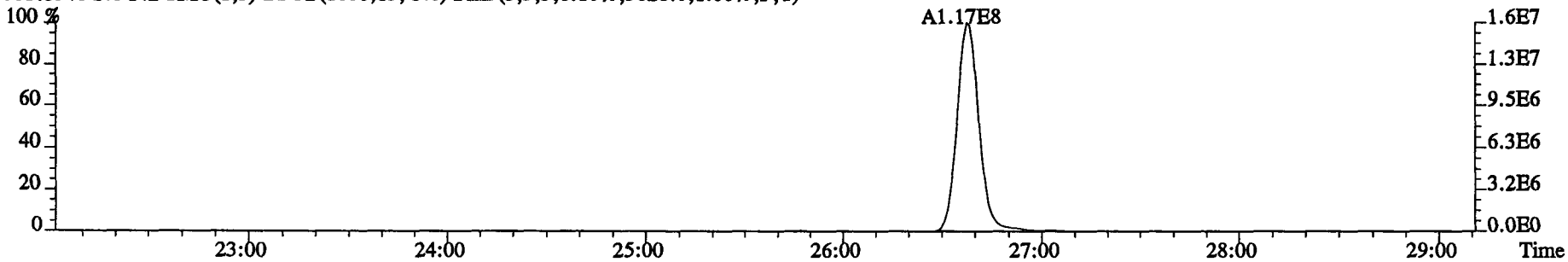


409.7974 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4188.0,1.00%,F,T)

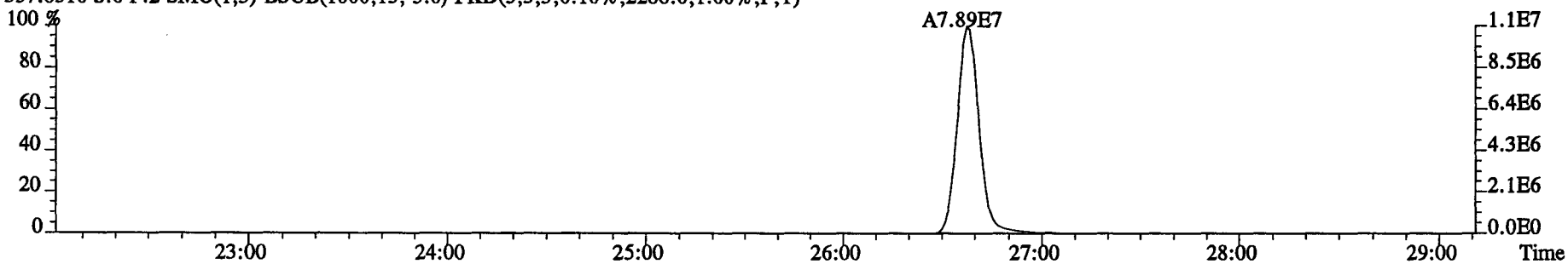


File:14DE10A9D5 #1-460 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

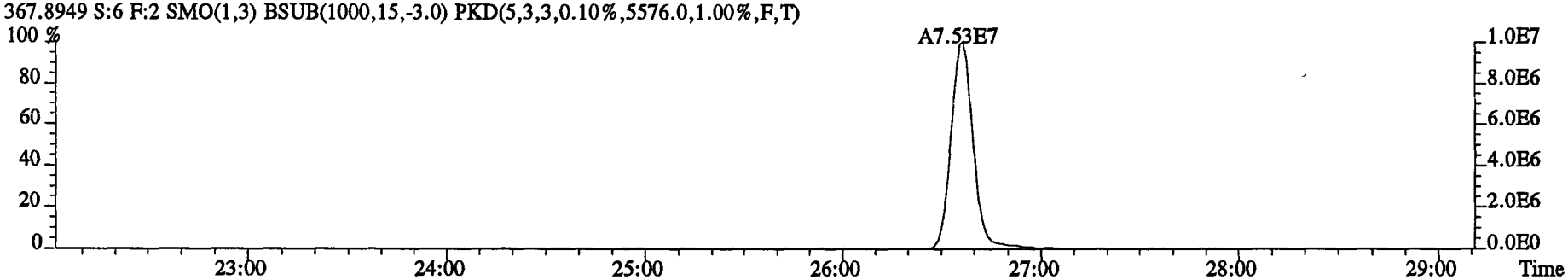
355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3828.0,1.00%,F,T)



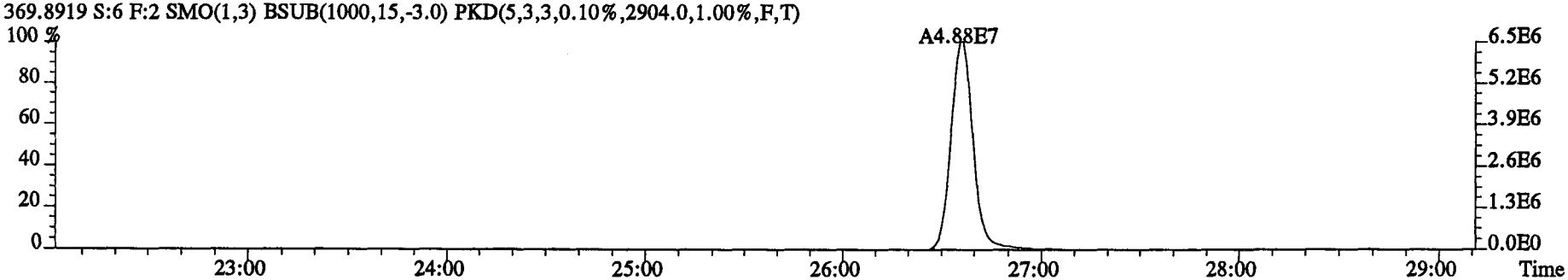
357.8516 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2288.0,1.00%,F,T)



367.8949 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5576.0,1.00%,F,T)

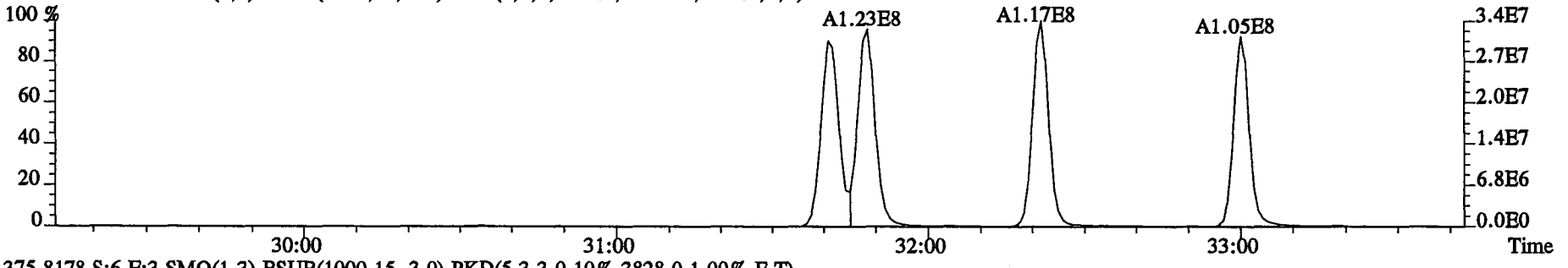


369.8919 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2904.0,1.00%,F,T)

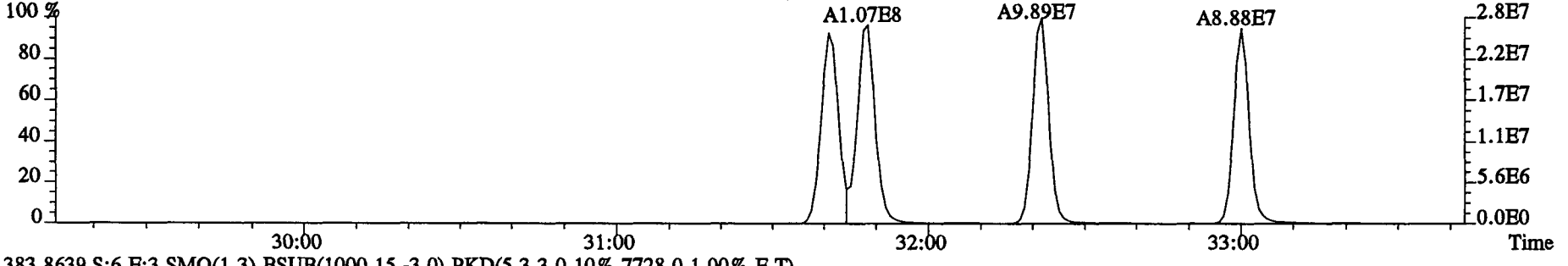


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

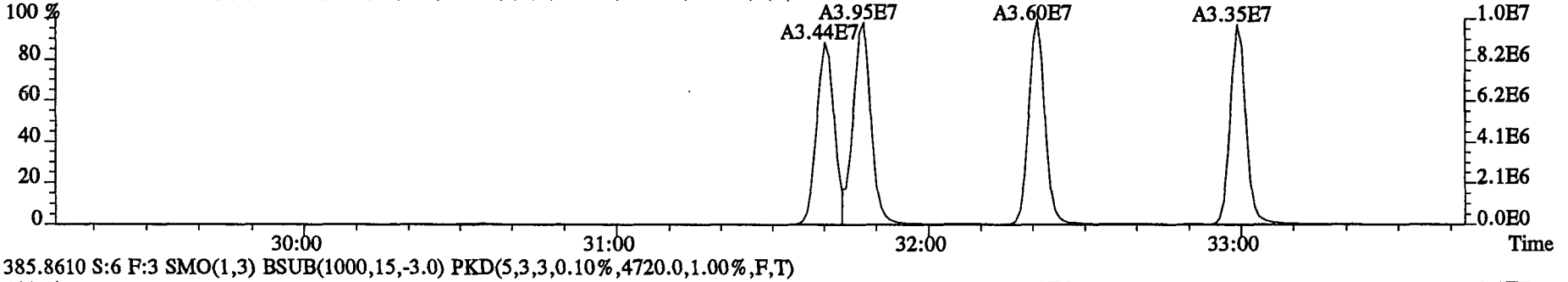
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10940.0,1.00%,F,T)



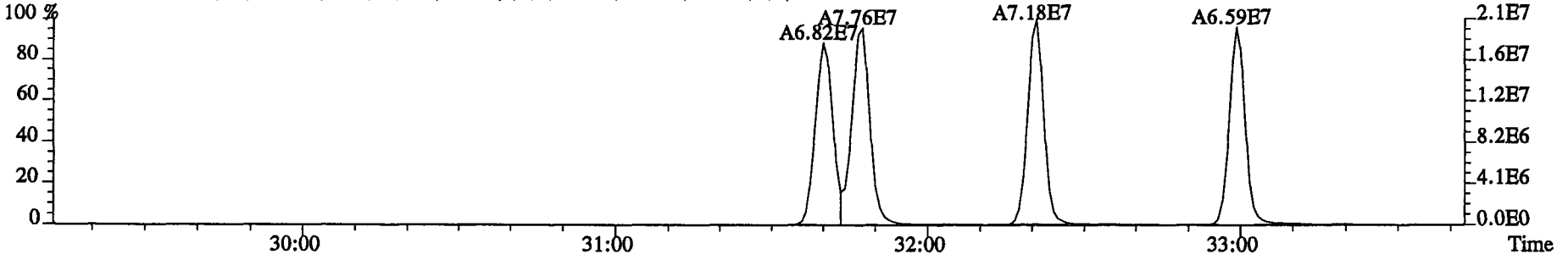
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3828.0,1.00%,F,T)



383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7728.0,1.00%,F,T)

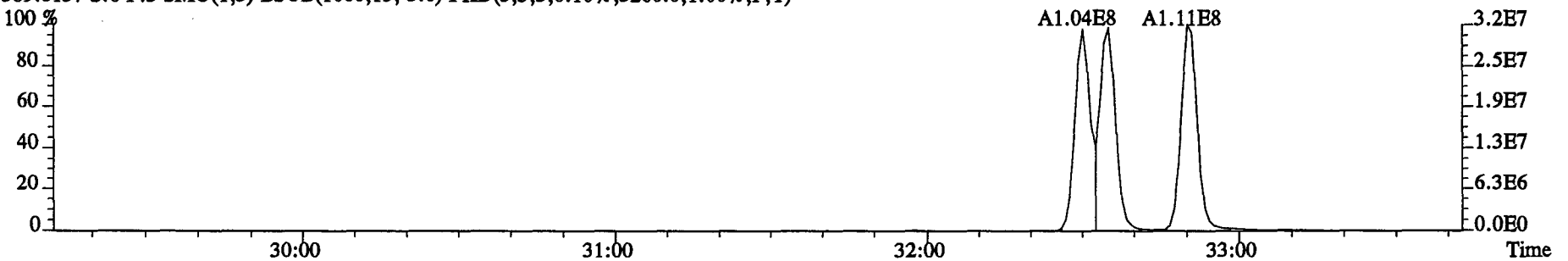


385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4720.0,1.00%,F,T)

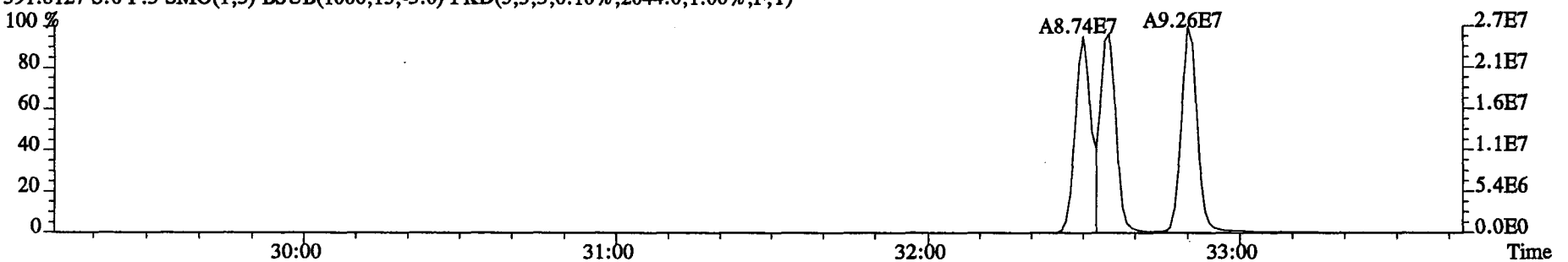


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

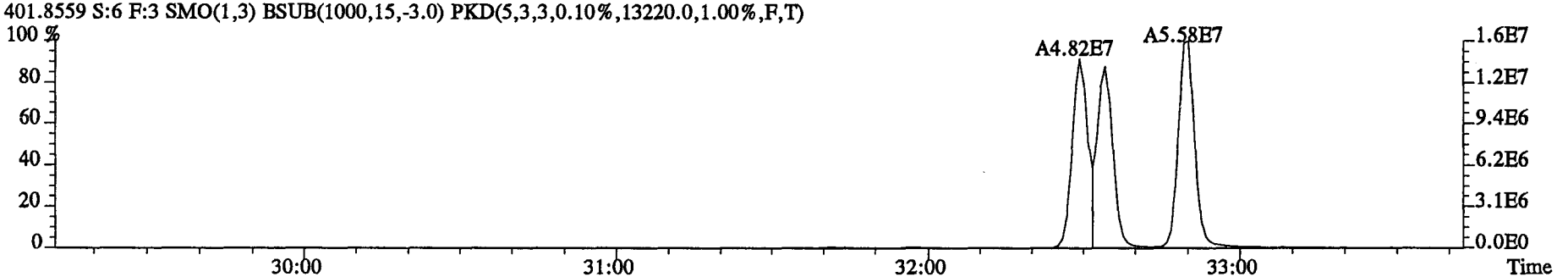
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3260.0,1.00%,F,T)



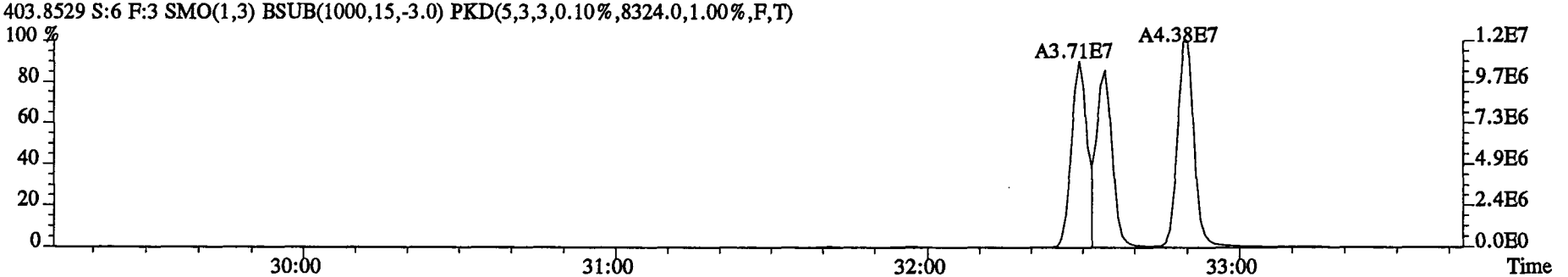
391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2044.0,1.00%,F,T)



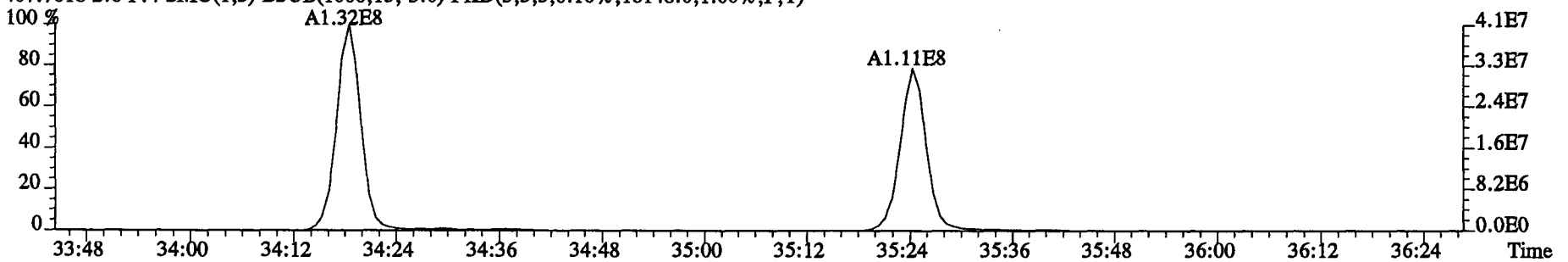
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13220.0,1.00%,F,T)

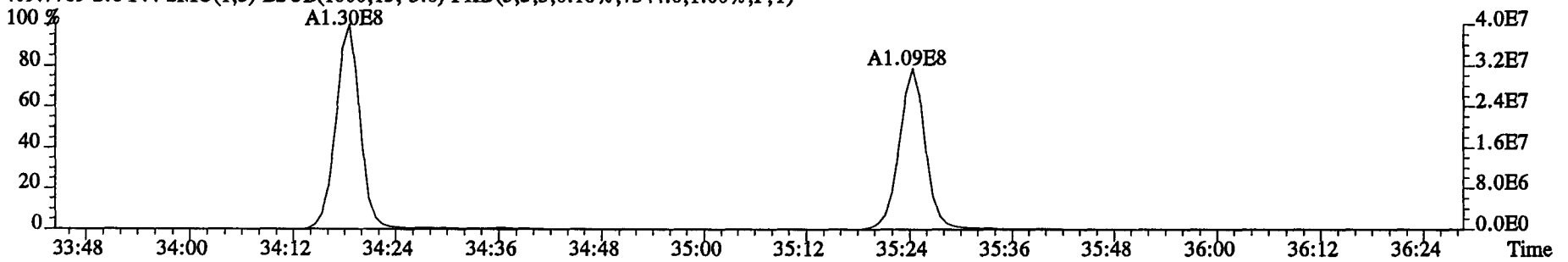


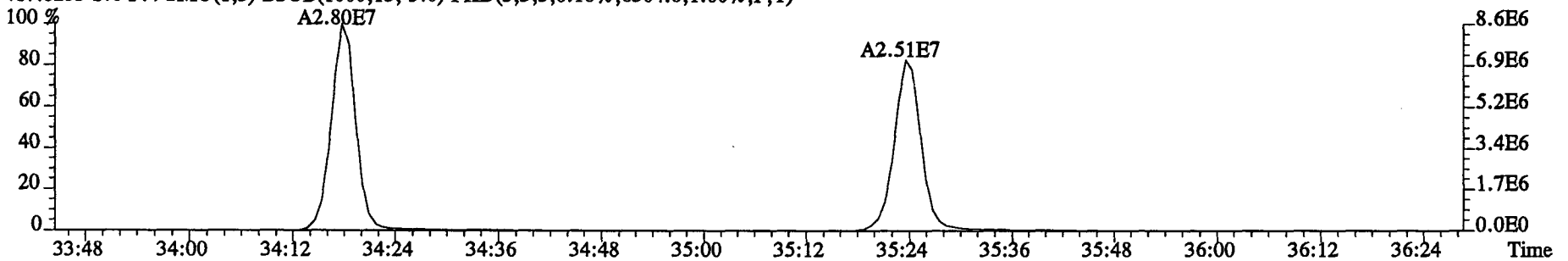
403.8529 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8324.0,1.00%,F,T)

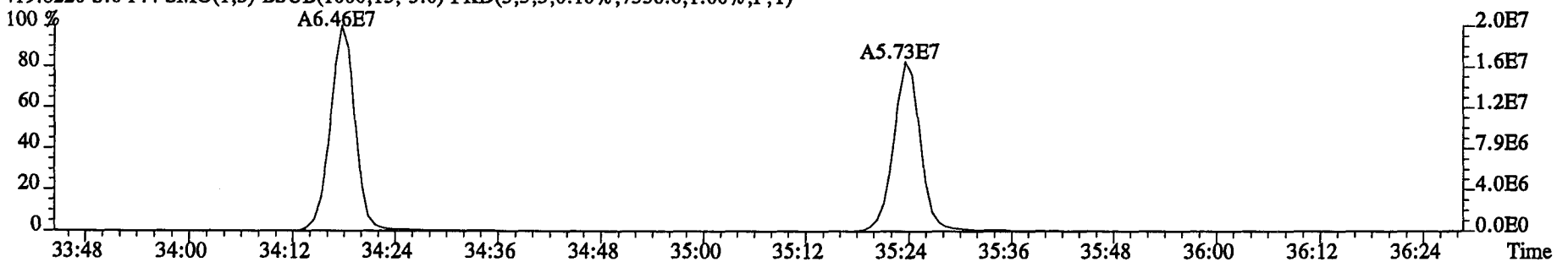


File:14DE10A9D5 #1-208 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

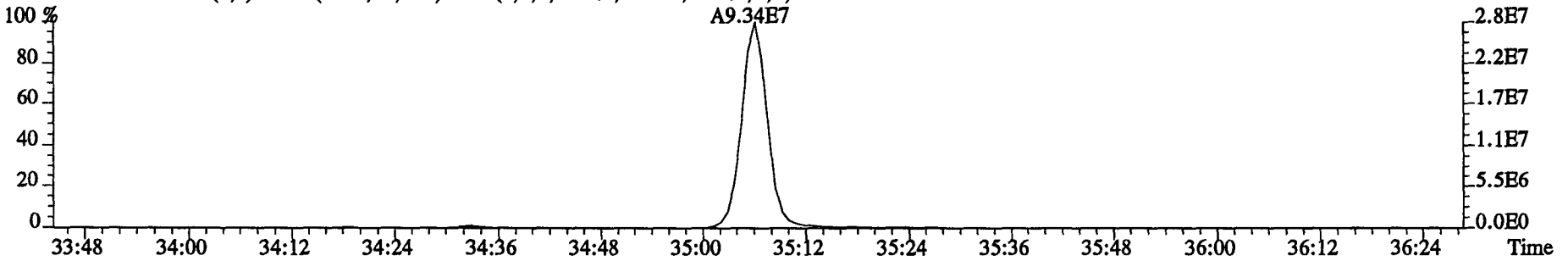




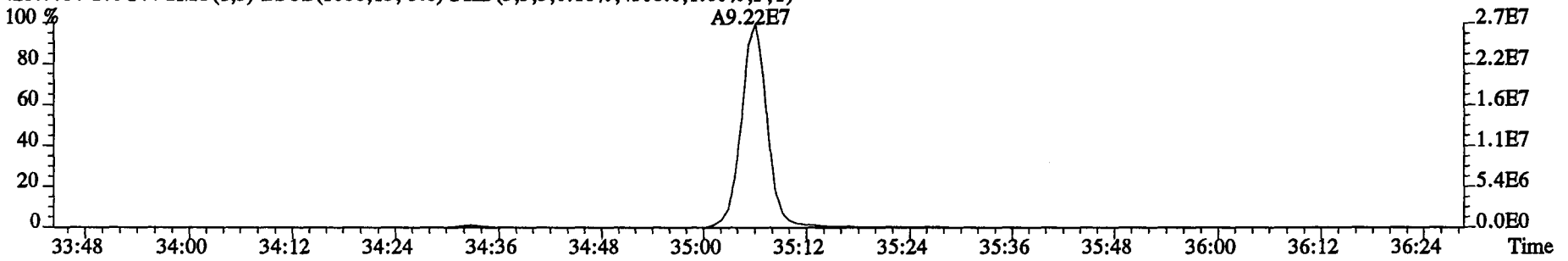




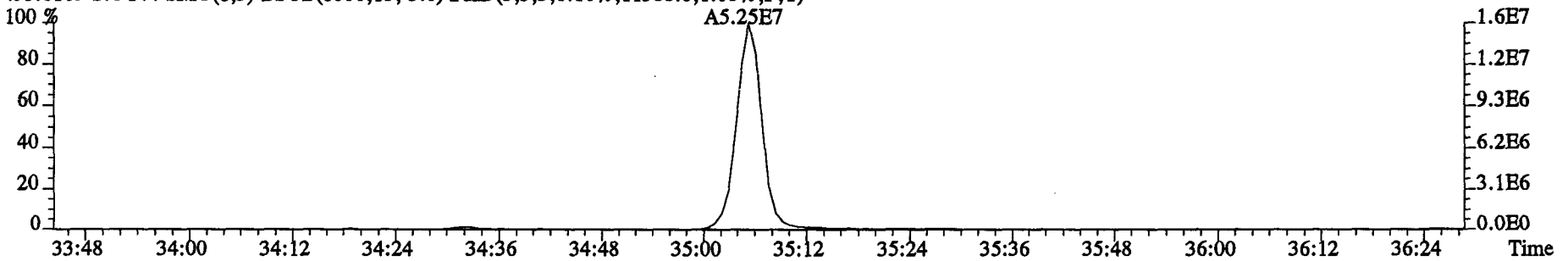
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES
423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3292.0,1.00%,F,T)



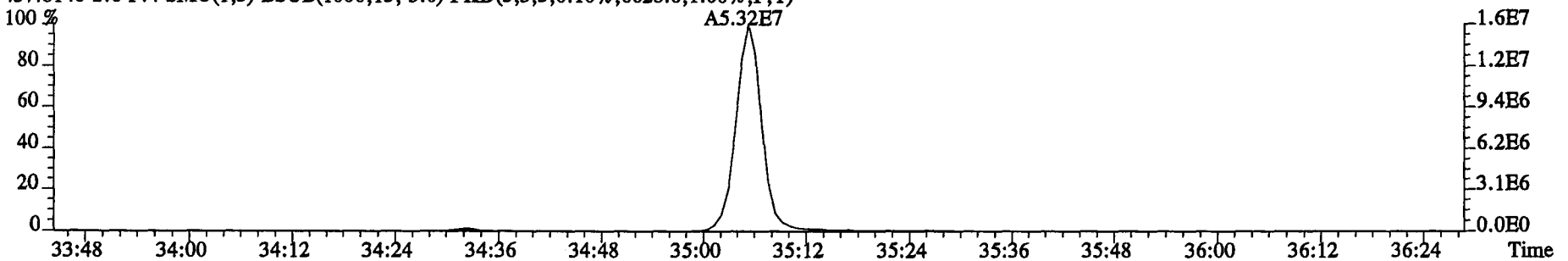
425.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)



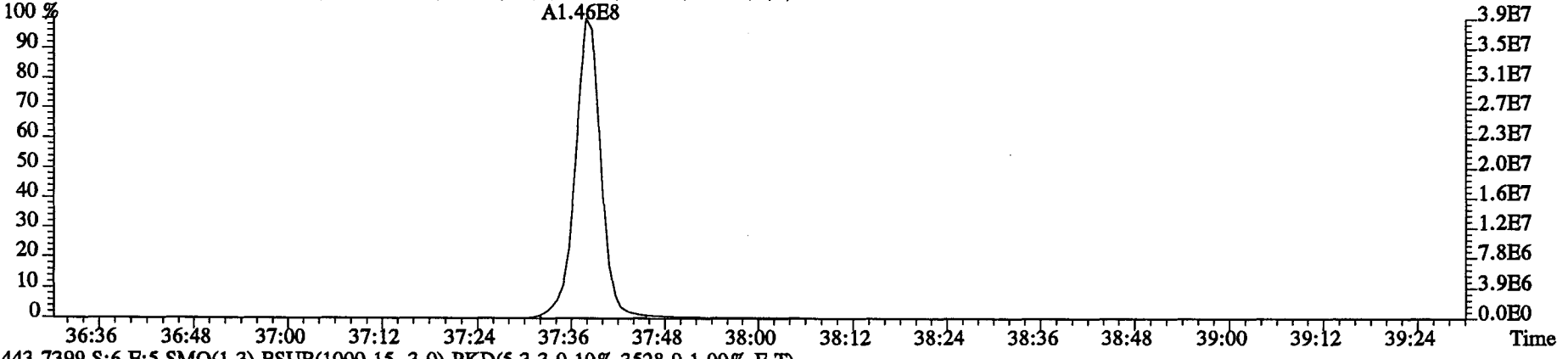
435.8169 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11388.0,1.00%,F,T)



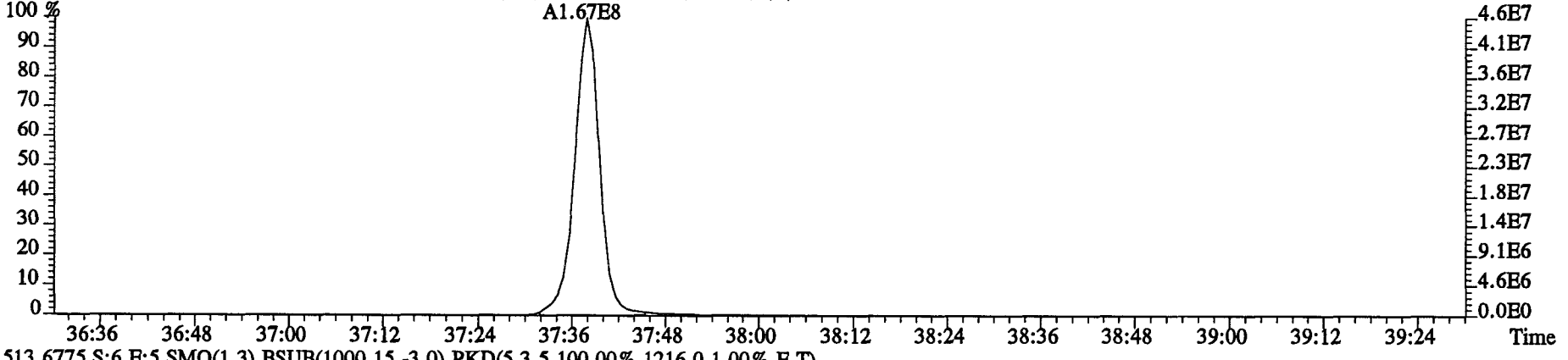
437.8140 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6628.0,1.00%,F,T)



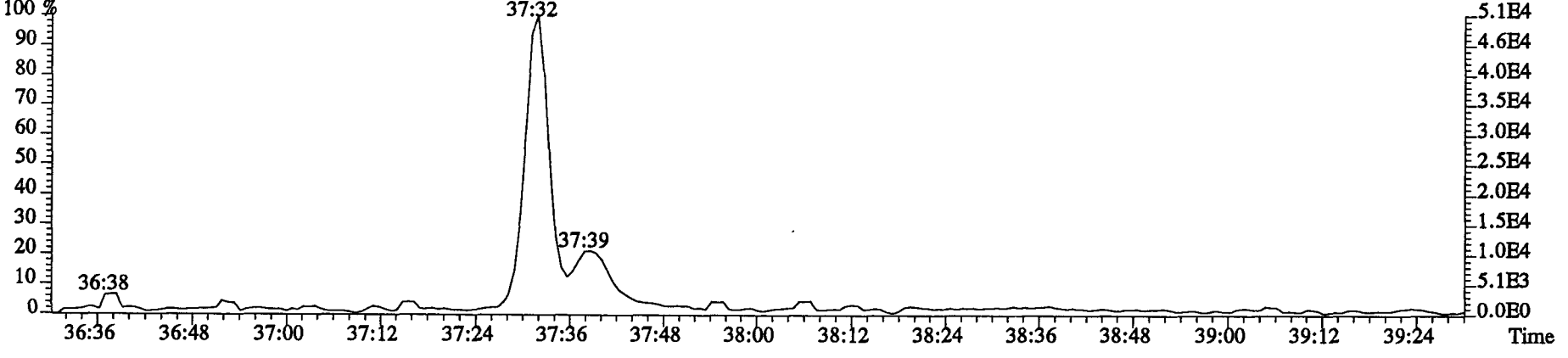
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES
441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3868.0,1.00%,F,T)



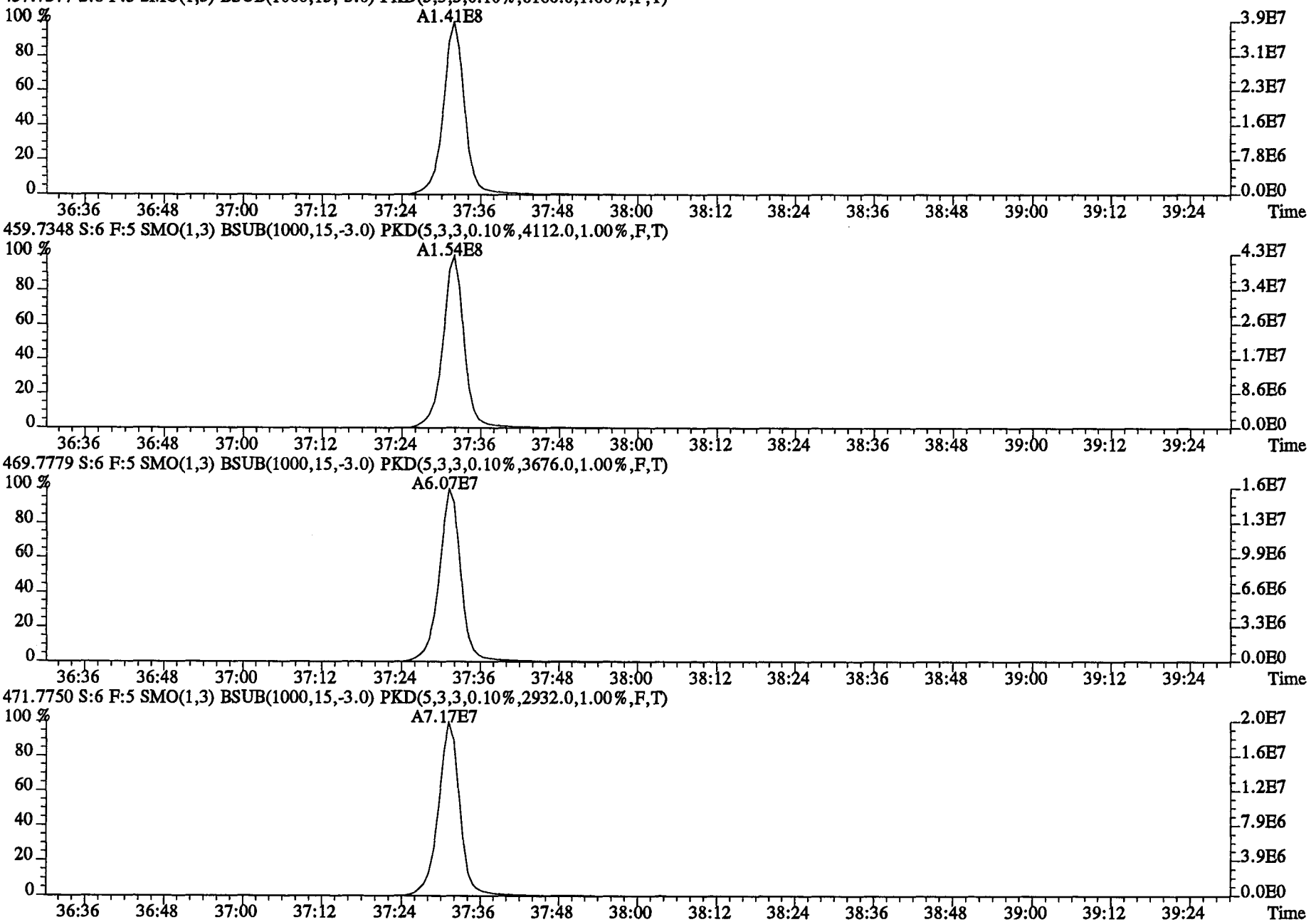
443.7399 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3528.0,1.00%,F,T)



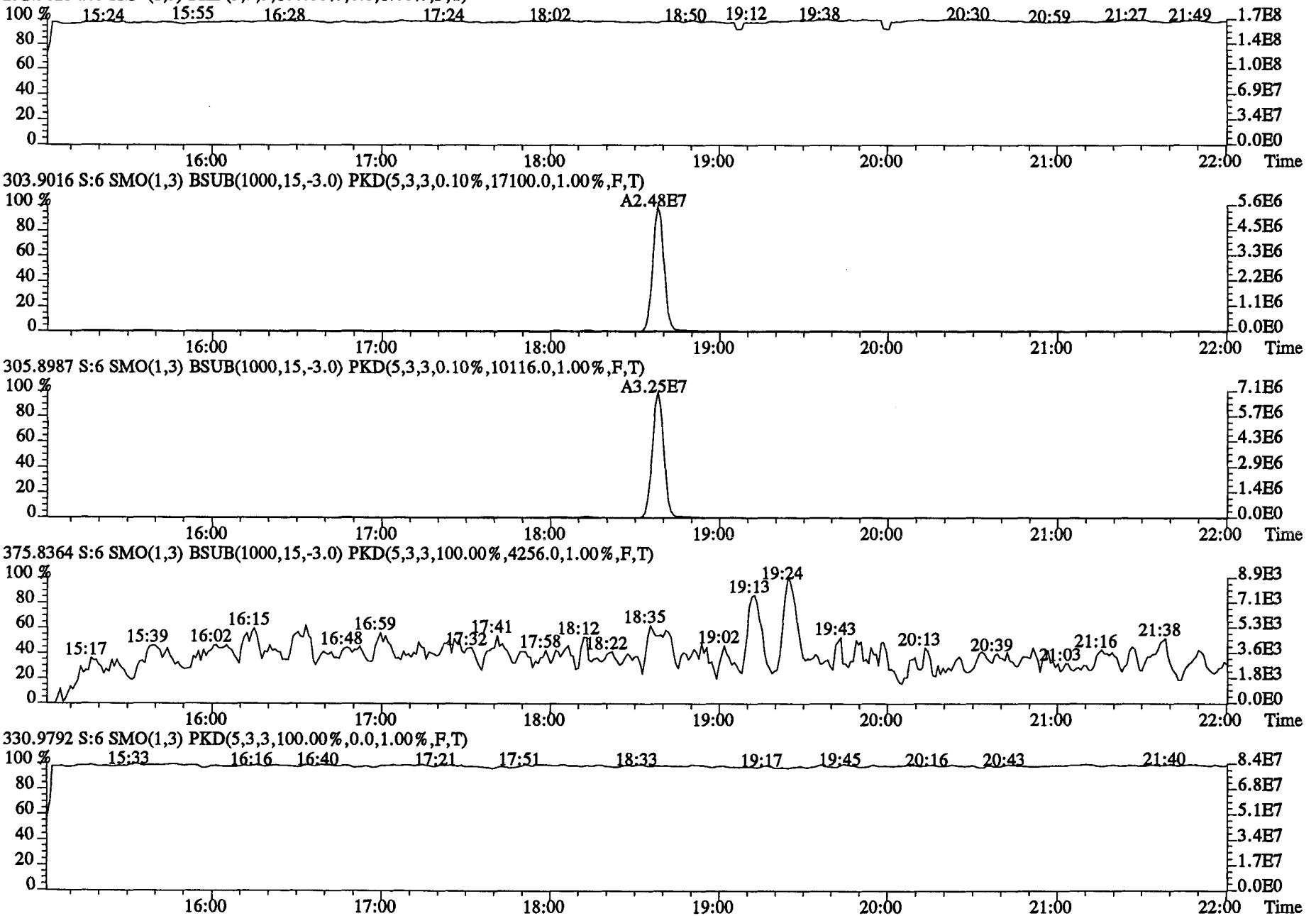
513.6775 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1216.0,1.00%,F,T)



File:14DE10A9D5 #1-243 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

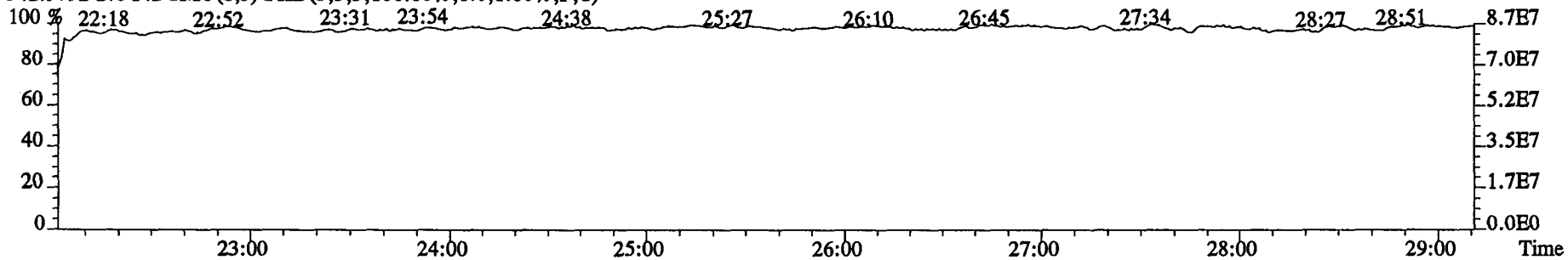


File:14DE10A9D5 #1-463 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

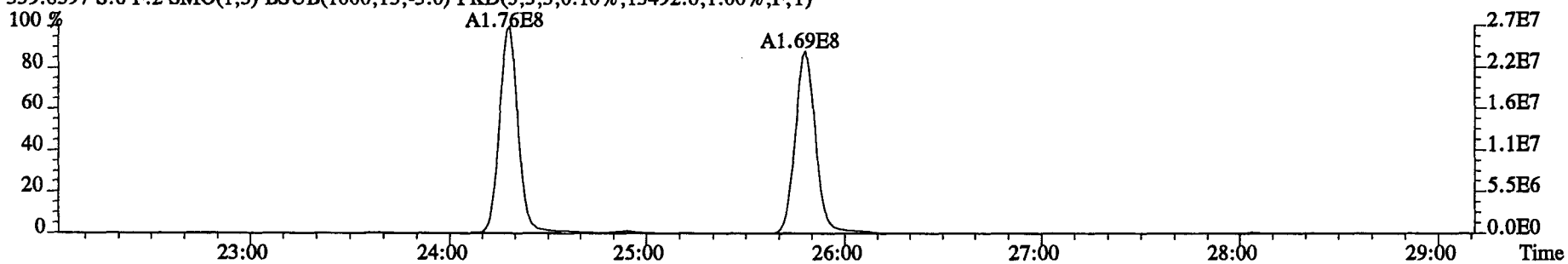


File:14DE10A9D5 #1-460 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES

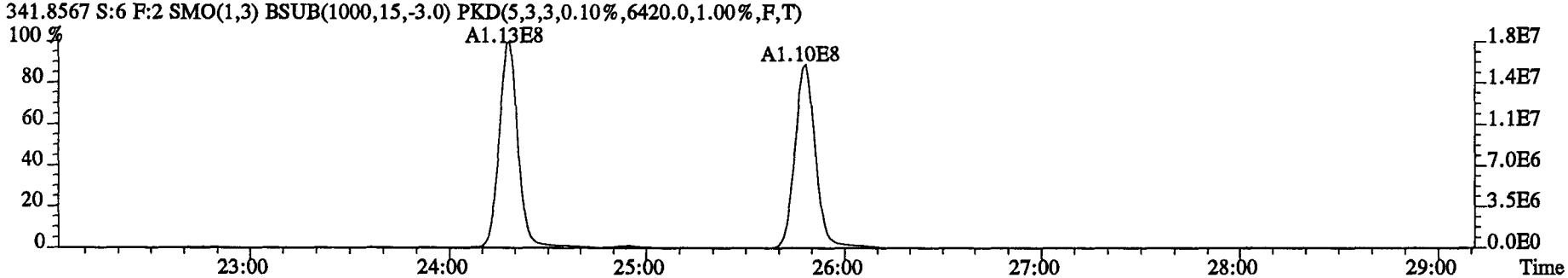
342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



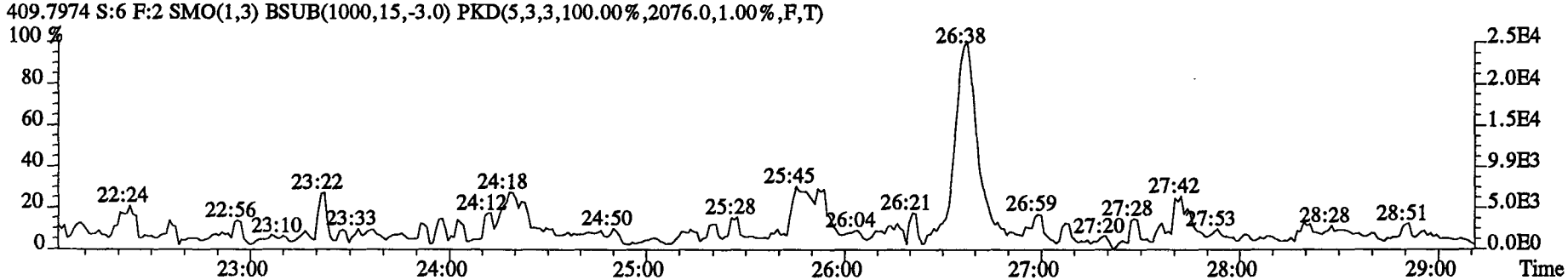
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13492.0,1.00%,F,T)



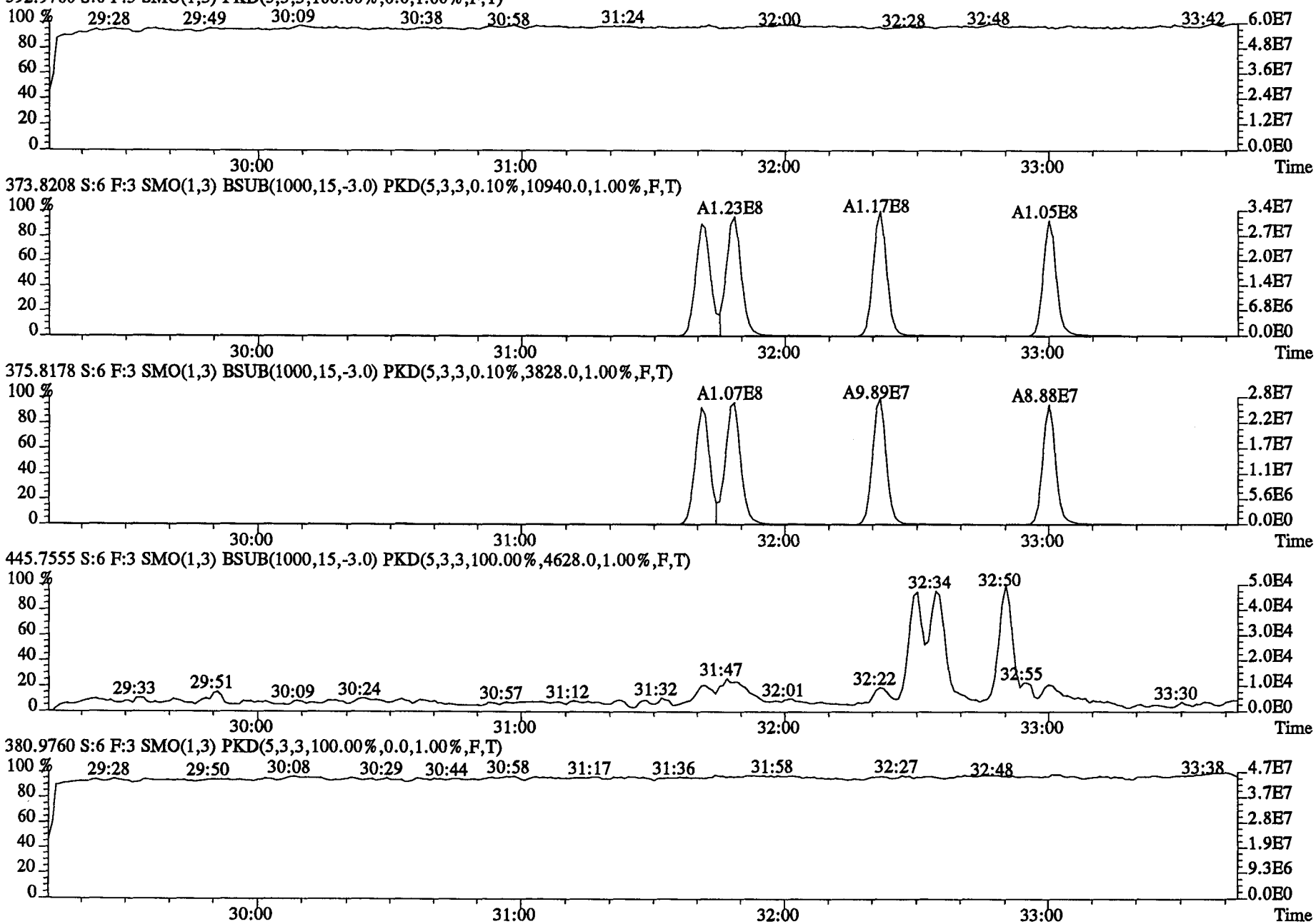
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6420.0,1.00%,F,T)



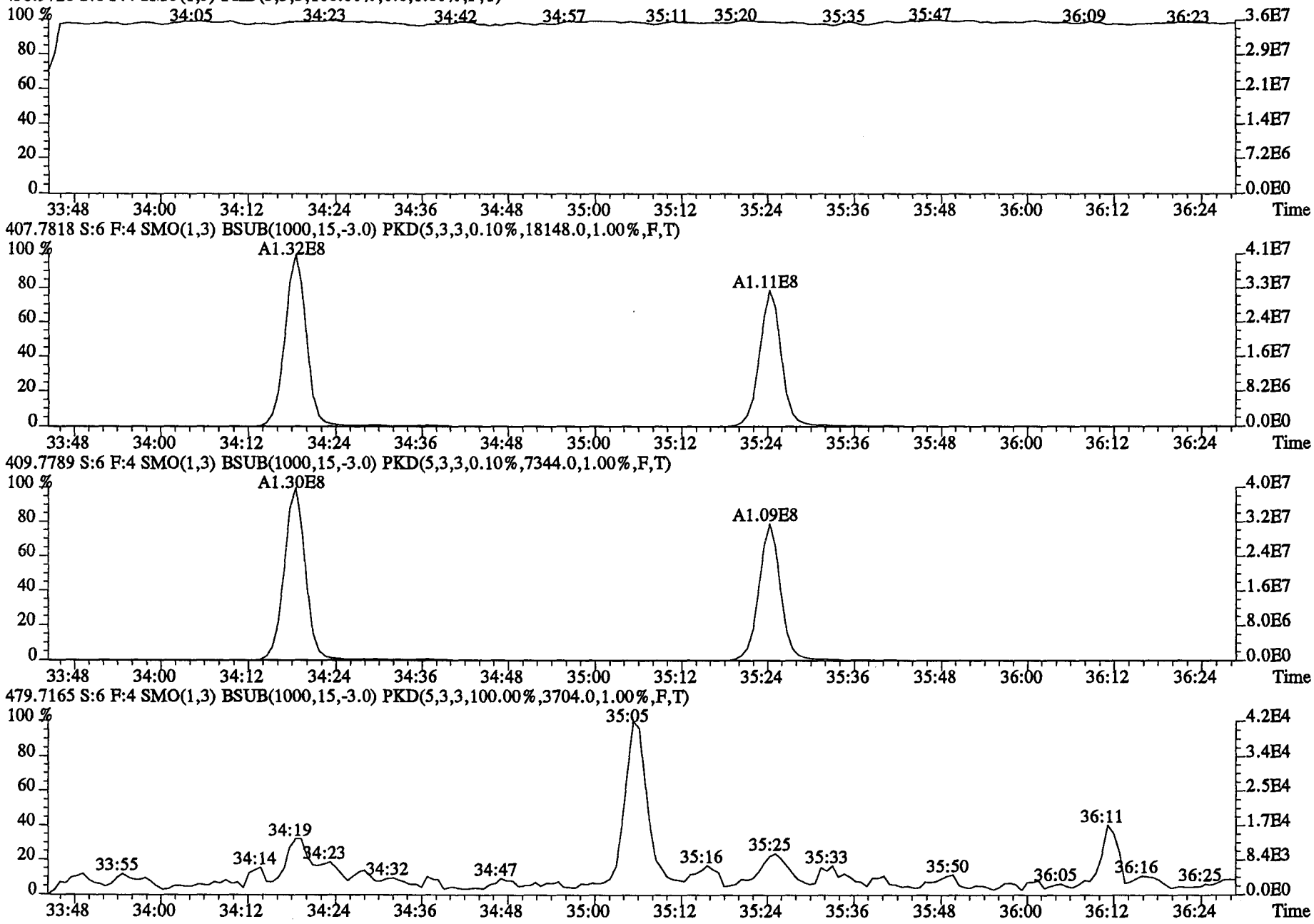
409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2076.0,1.00%,F,T)



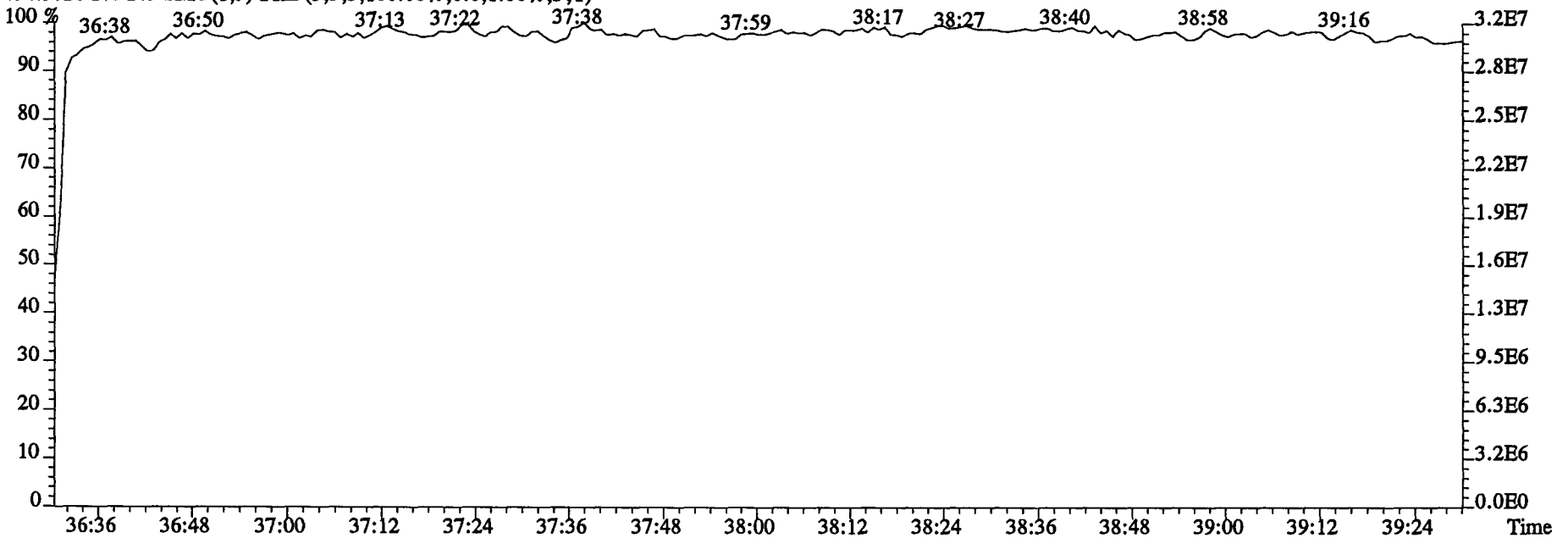
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES



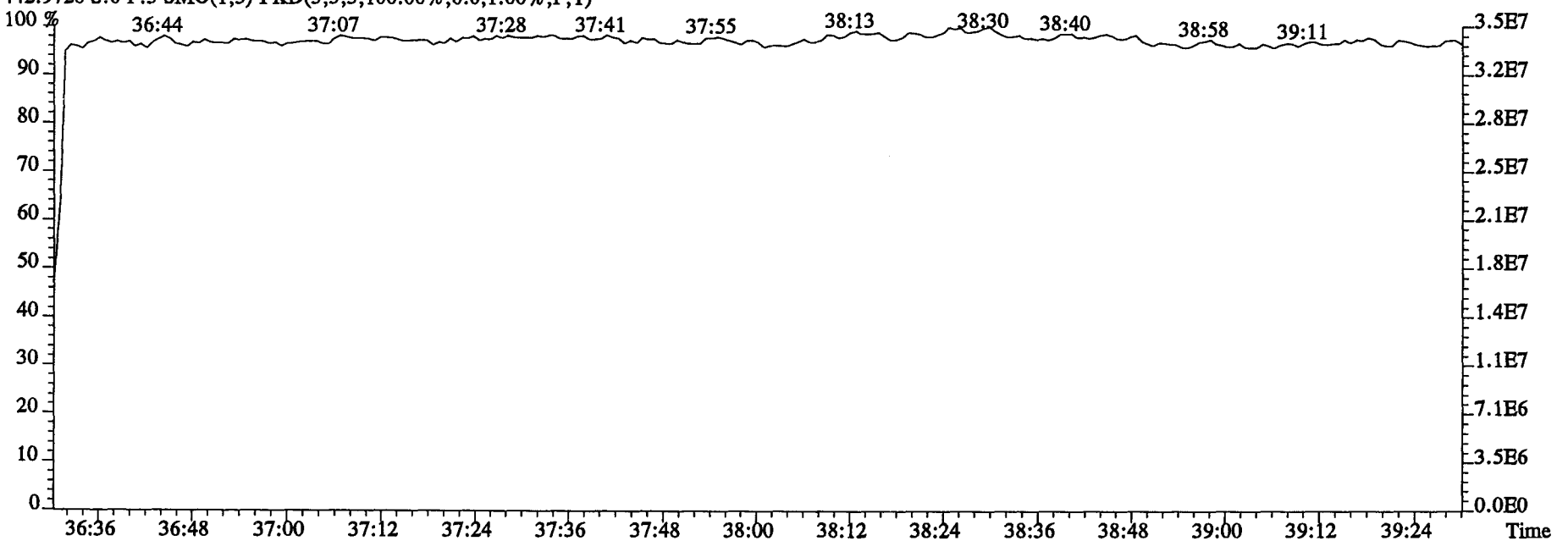
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES



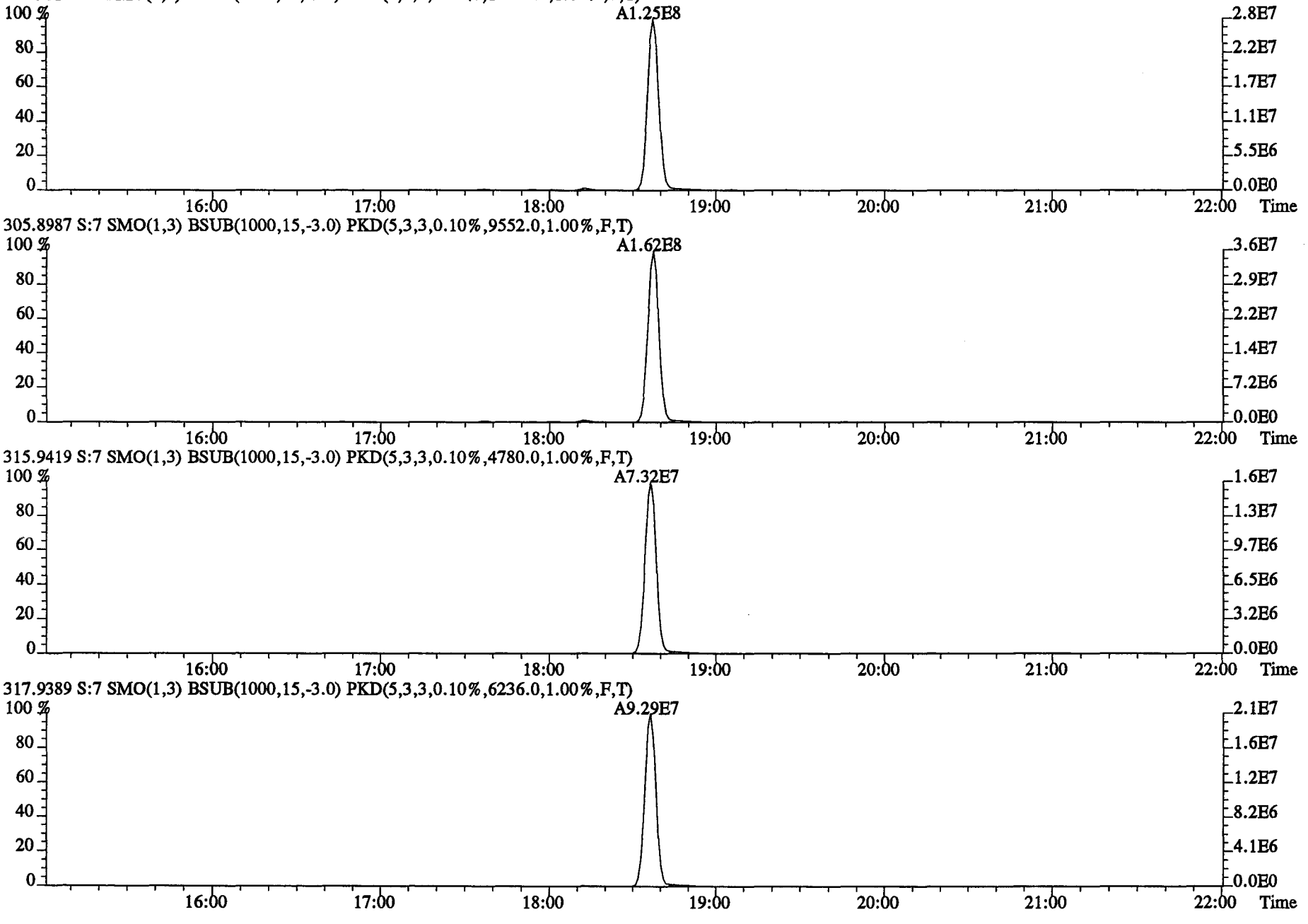
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 18:34:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:ST1214C :CS-4 10DXN506 Exp:DIOXINRES
454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



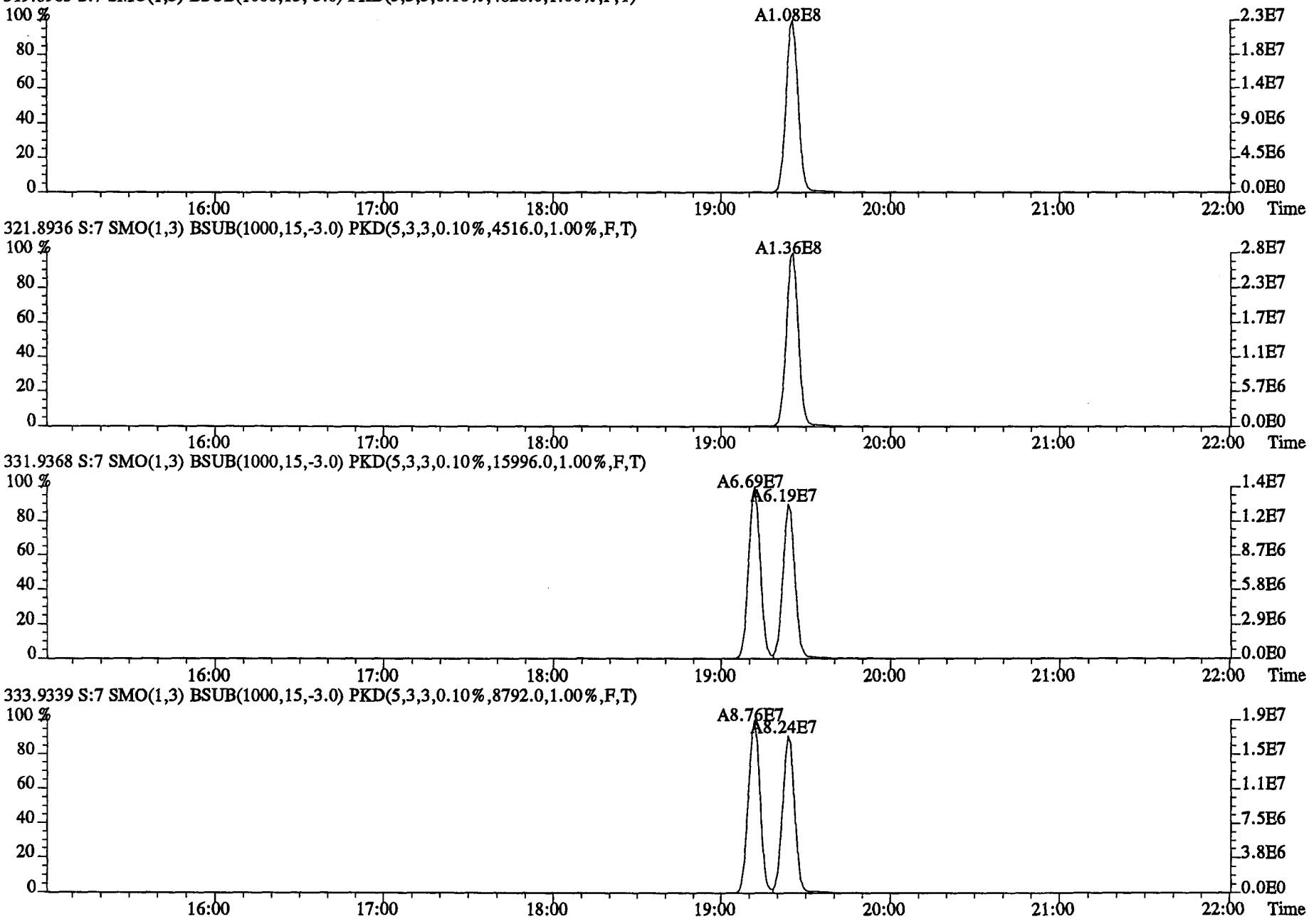
442.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



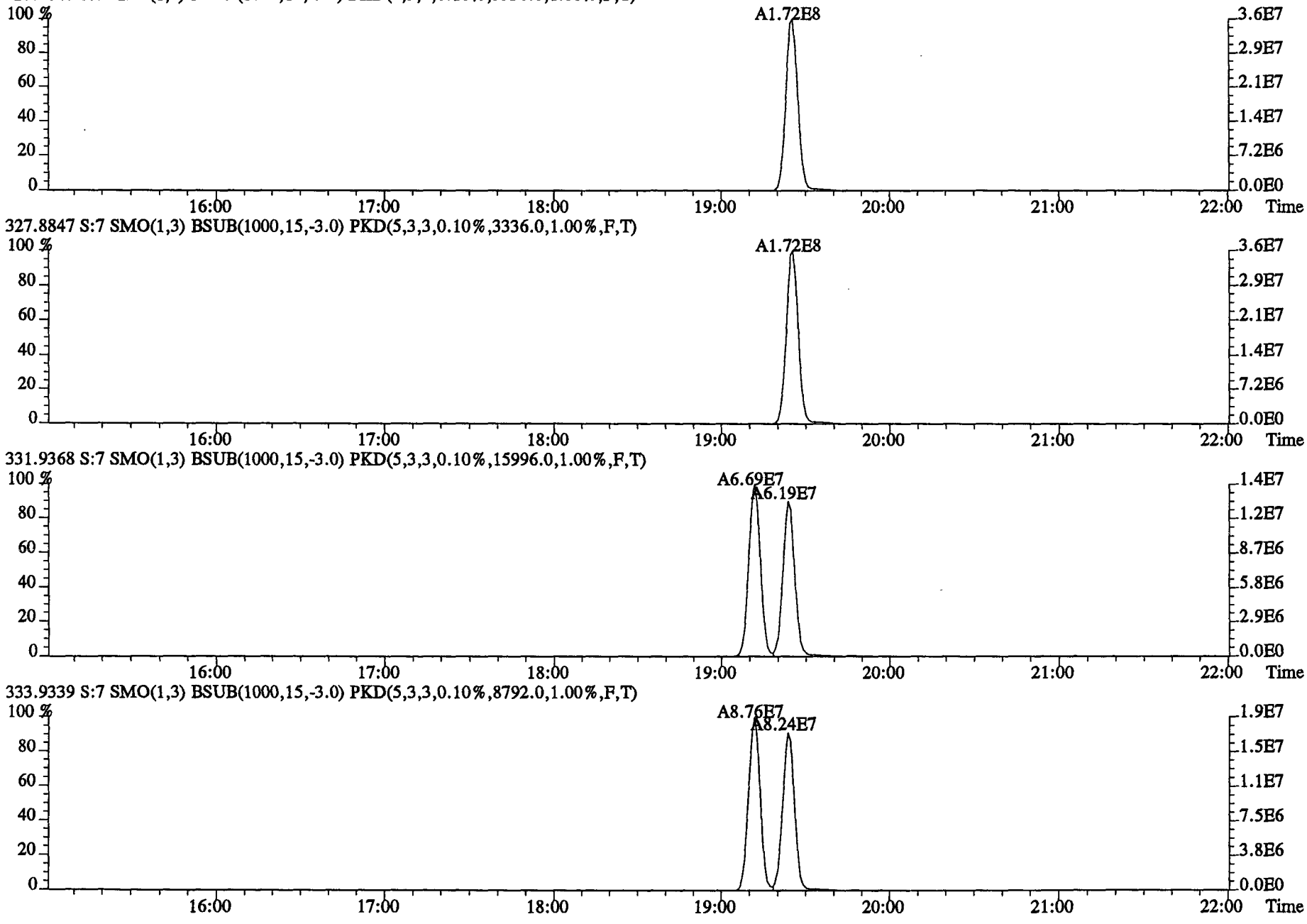
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES



File:14DE10A9D5 #1-464 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES

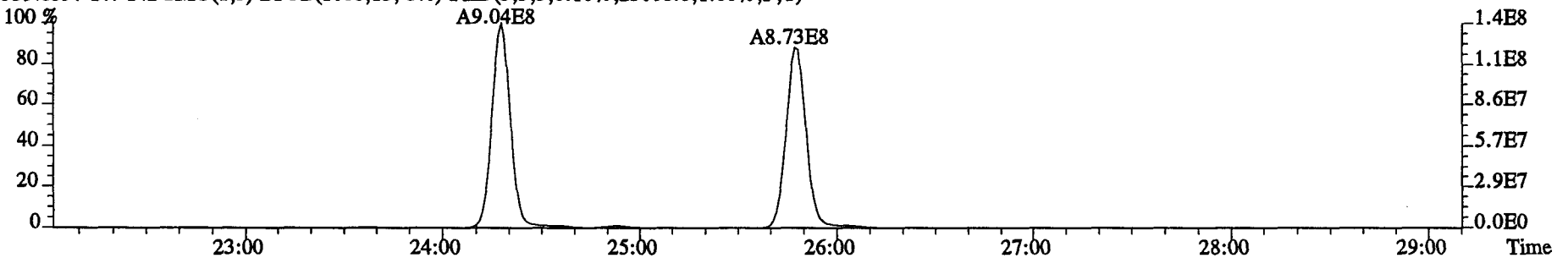


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES

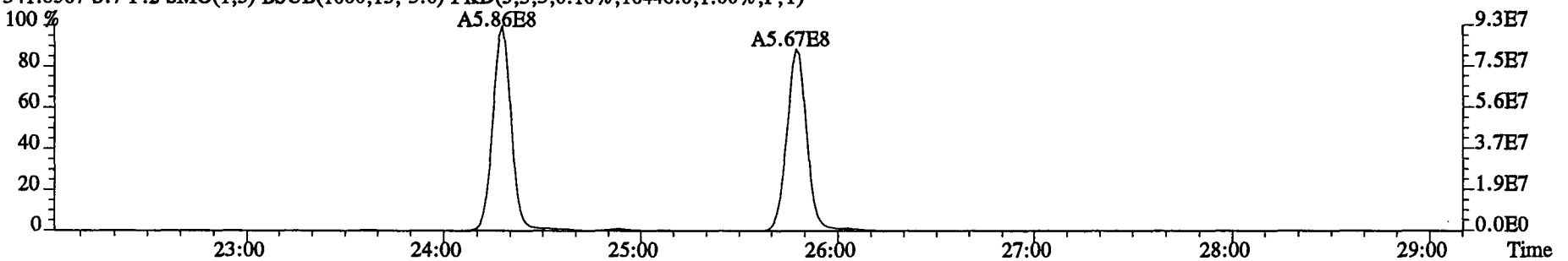


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES

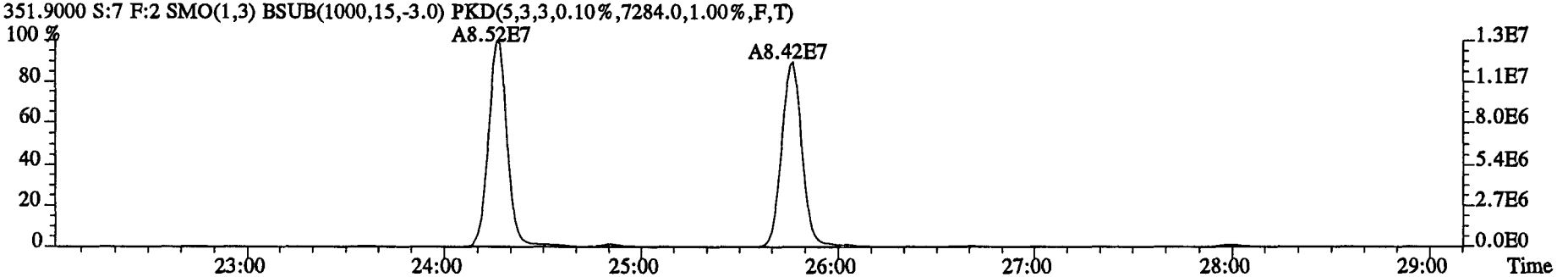
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25008.0,1.00%,F,T)



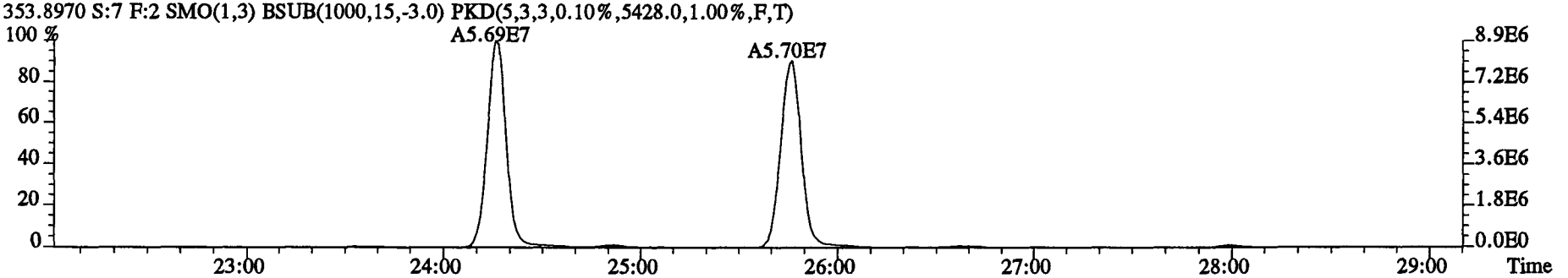
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16448.0,1.00%,F,T)



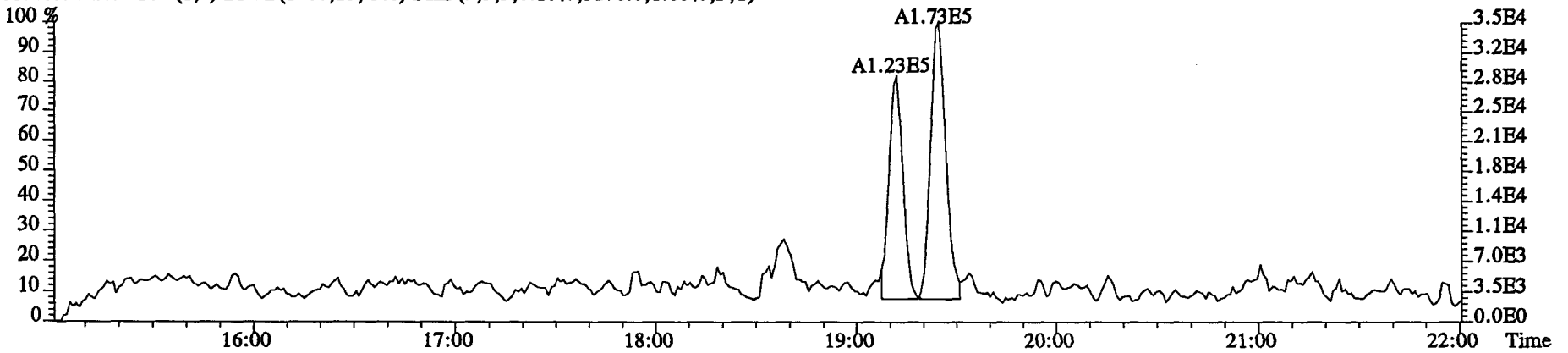
351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7284.0,1.00%,F,T)



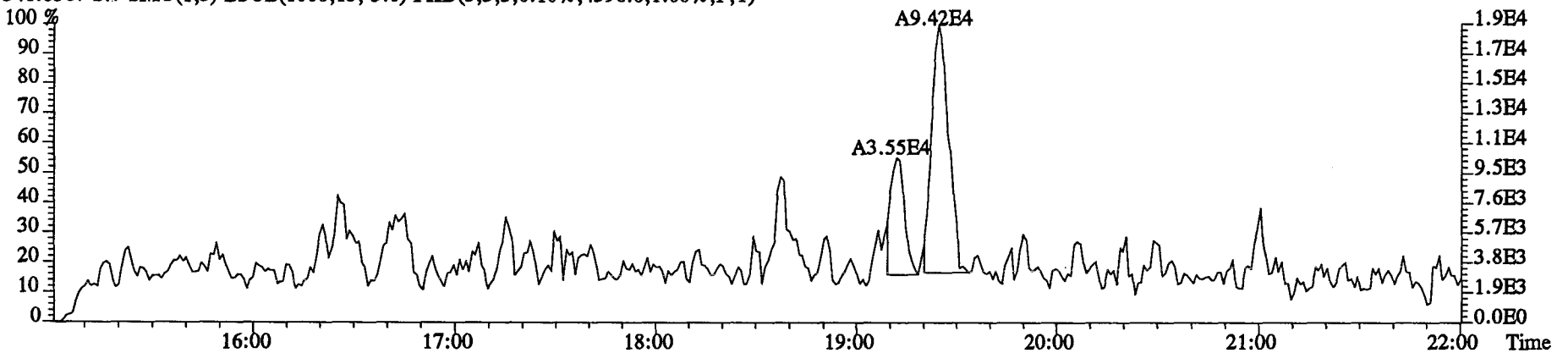
353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5428.0,1.00%,F,T)



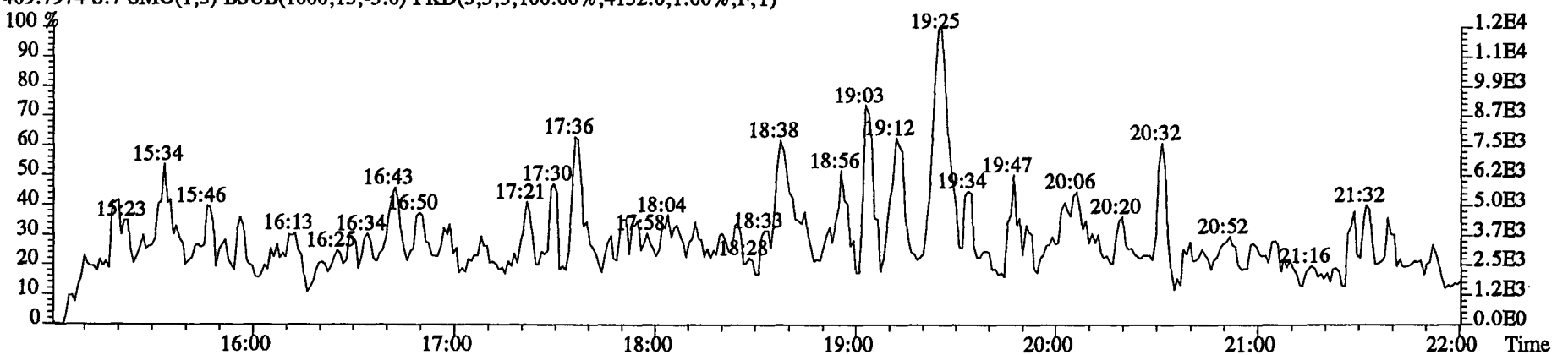
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES
339.8597 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5176.0,1.00%,F,T)



341.8567 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4396.0,1.00%,F,T)

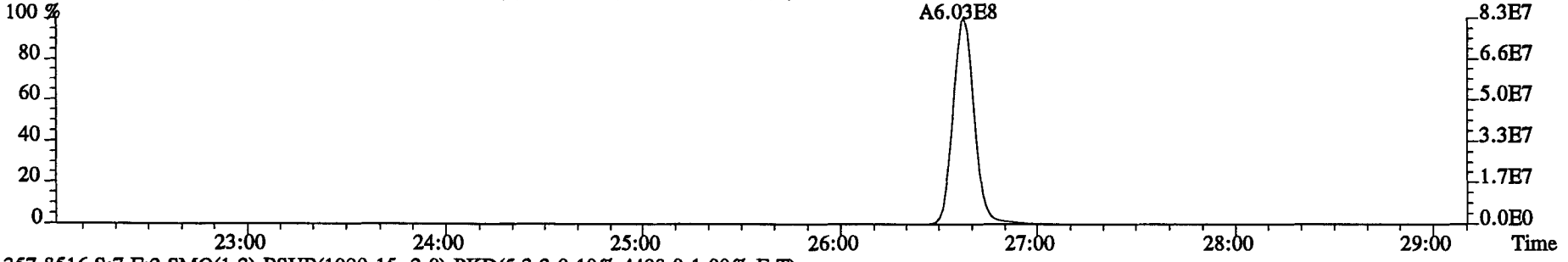


409.7974 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4132.0,1.00%,F,T)

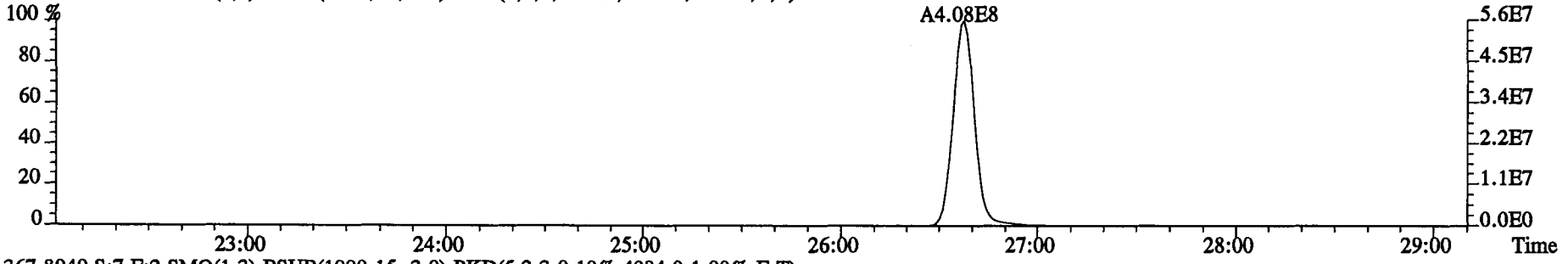


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES

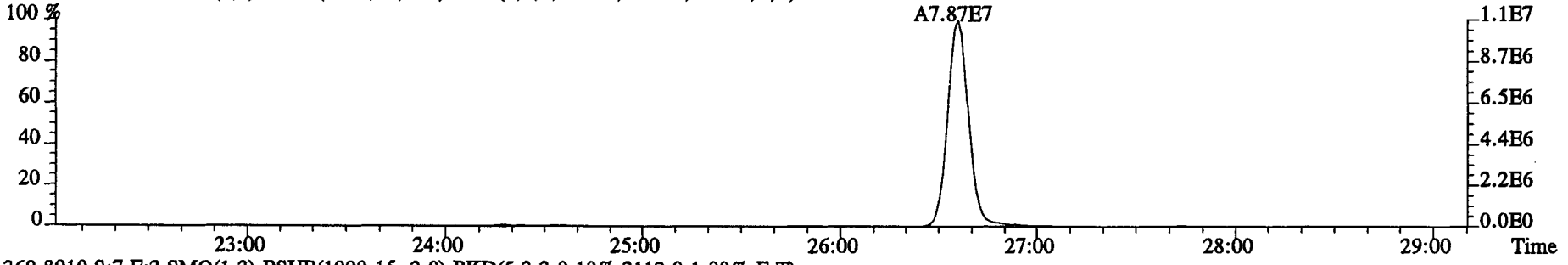
355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4512.0,1.00%,F,T)



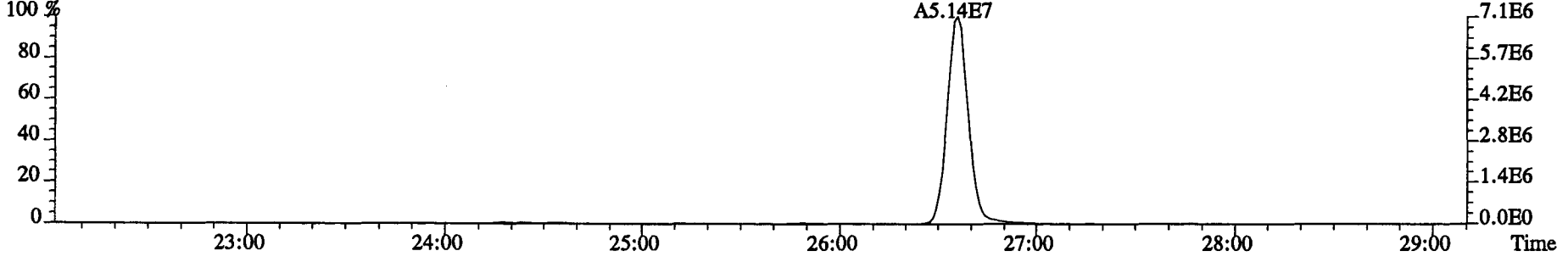
357.8516 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4408.0,1.00%,F,T)



367.8949 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4084.0,1.00%,F,T)

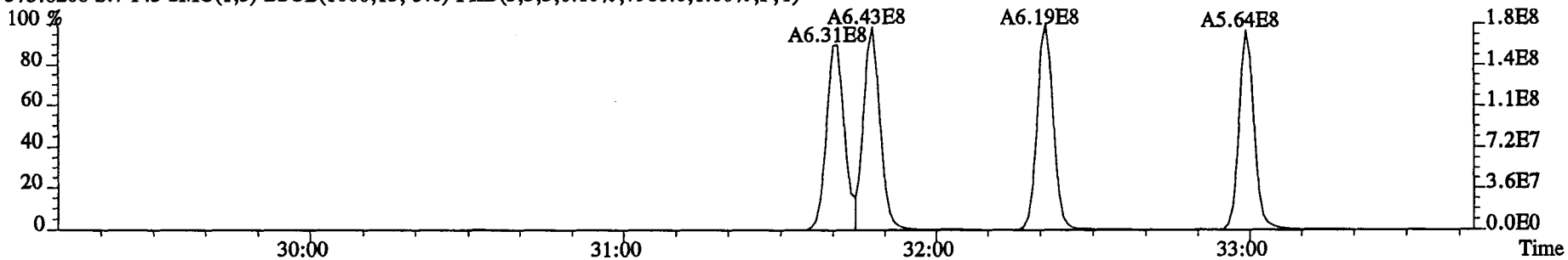


369.8919 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2112.0,1.00%,F,T)

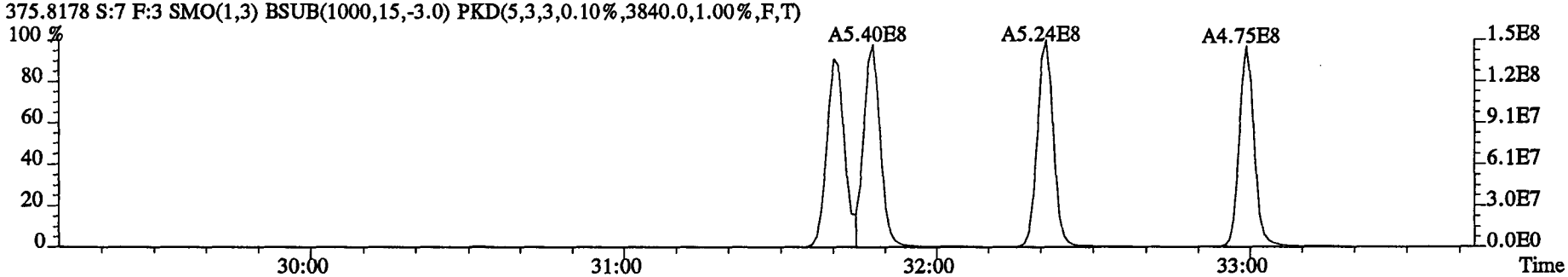


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES

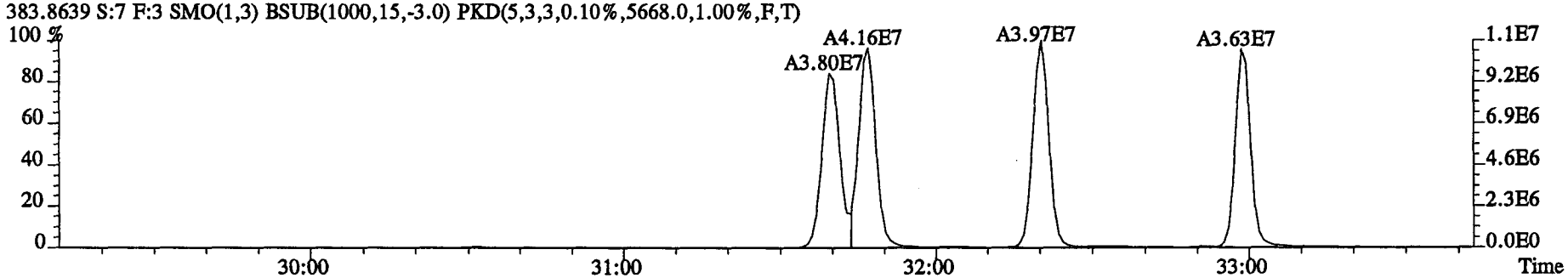
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7960.0,1.00%,F,T)



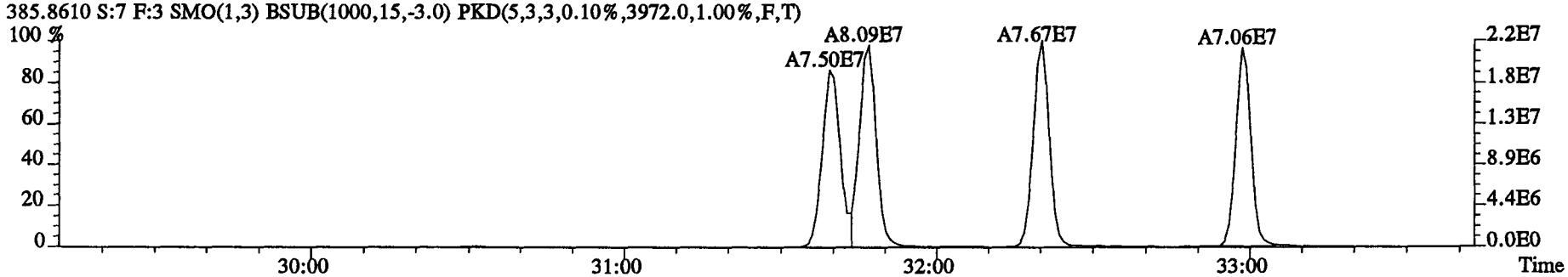
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3840.0,1.00%,F,T)



383.8639 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5668.0,1.00%,F,T)

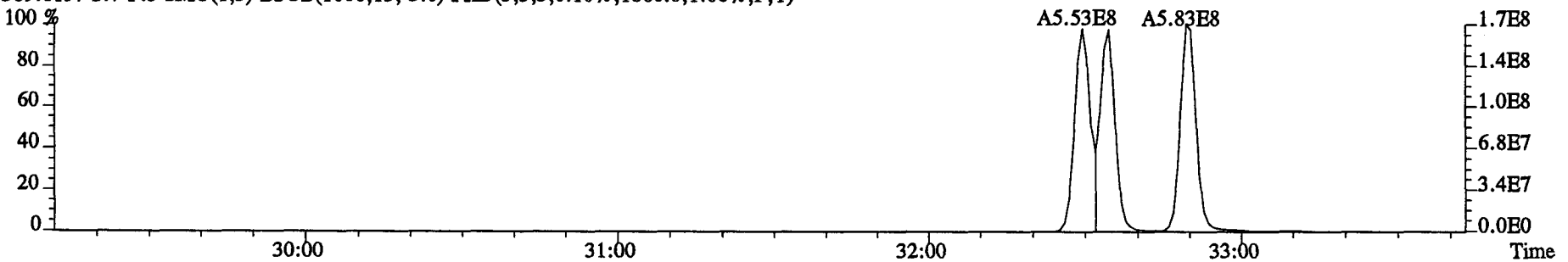


385.8610 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3972.0,1.00%,F,T)

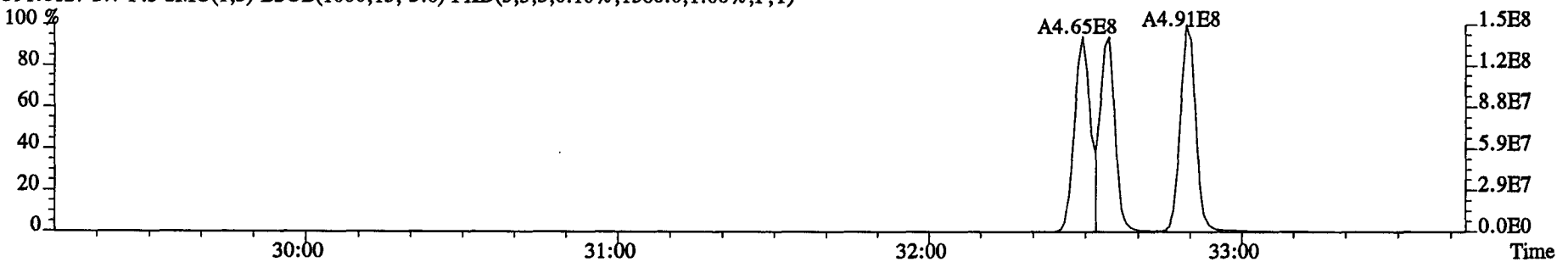


File:14DE10A9D5 #1-326 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES

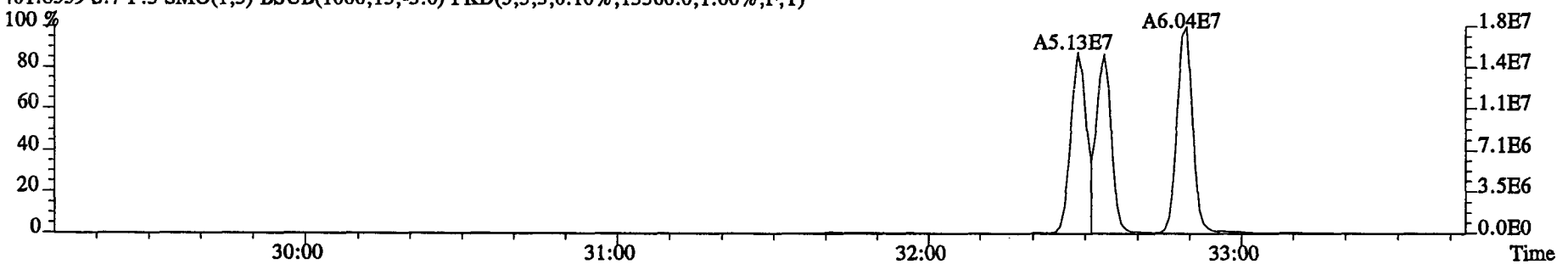
389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1860.0,1.00%,F,T)



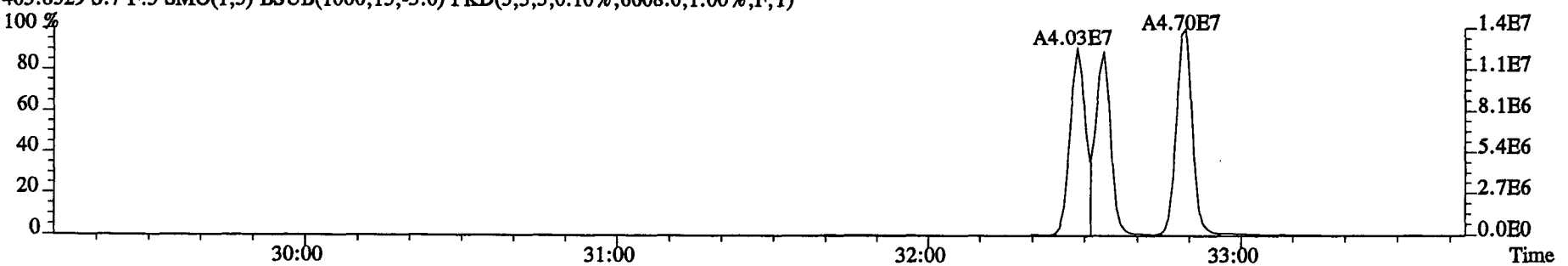
391.8127 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1580.0,1.00%,F,T)



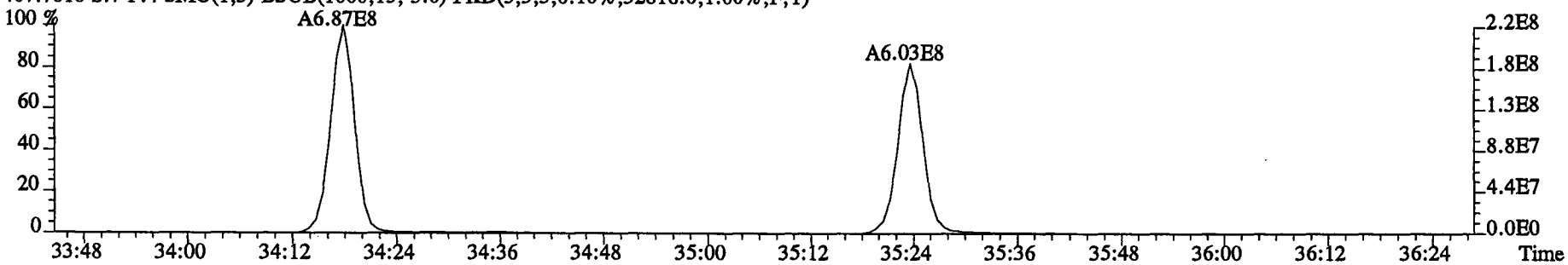
401.8559 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13360.0,1.00%,F,T)

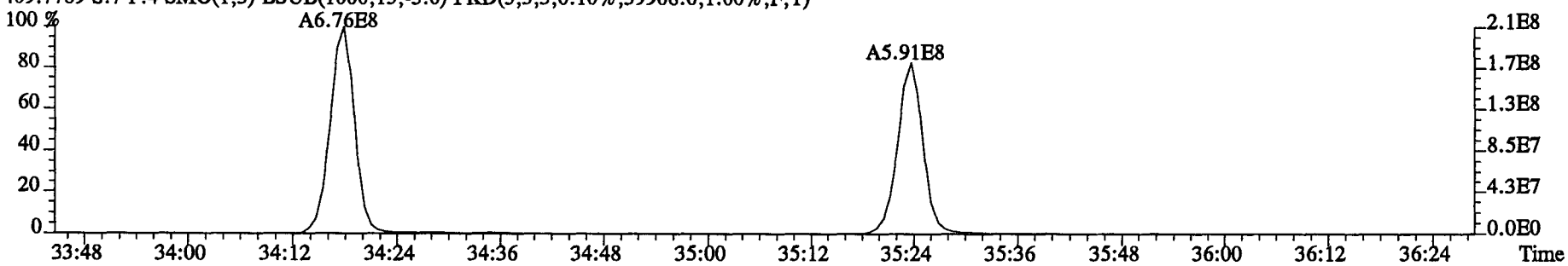


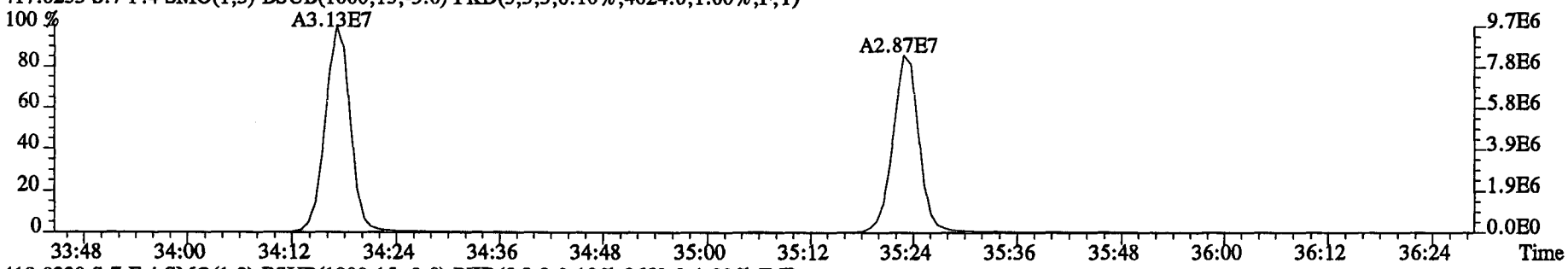
403.8529 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6608.0,1.00%,F,T)

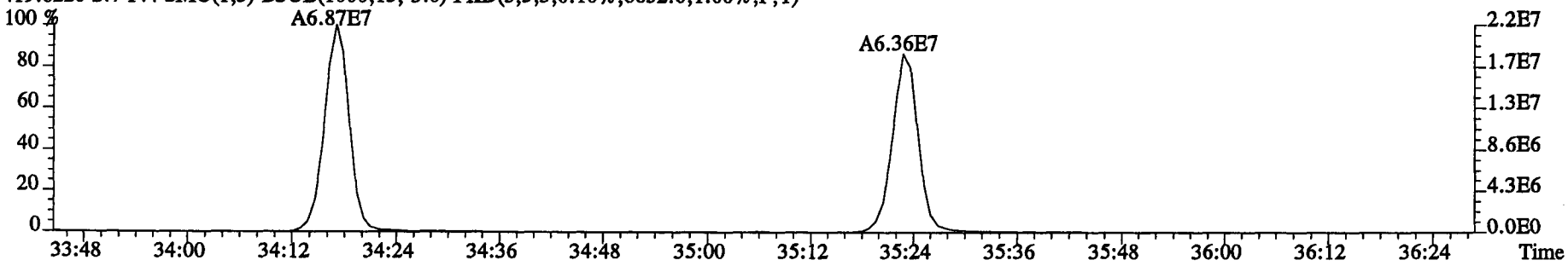


File:14DE10A9D5 #1-208 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES

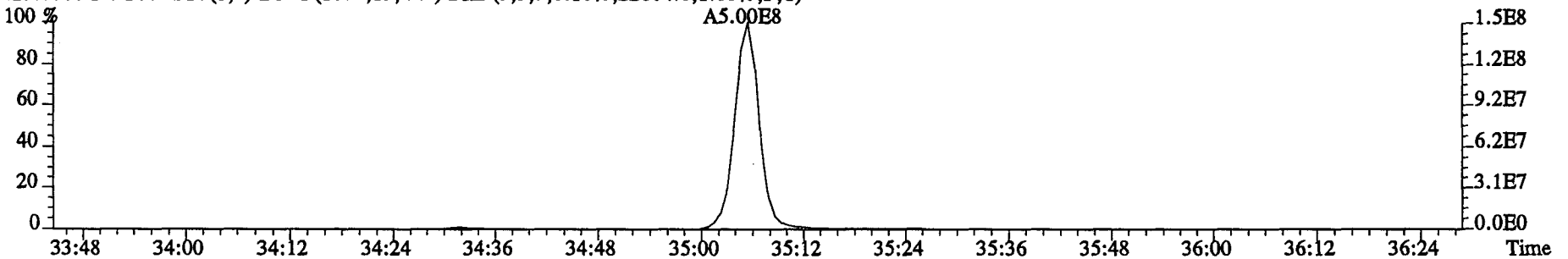




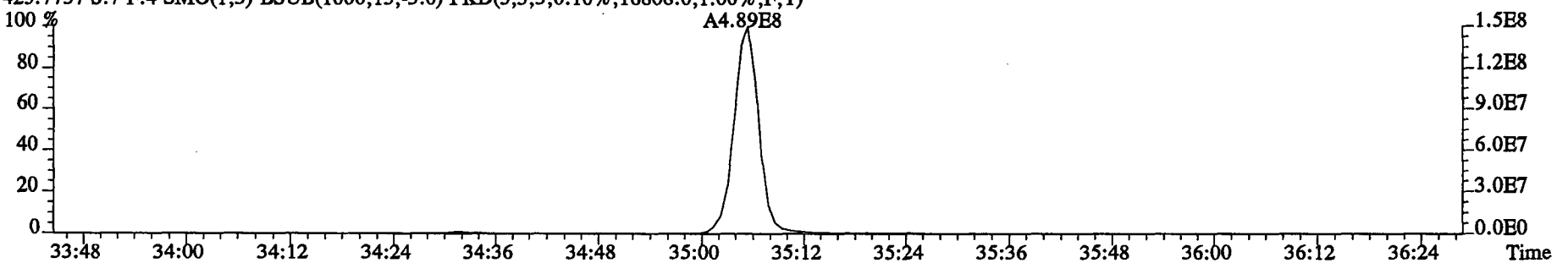




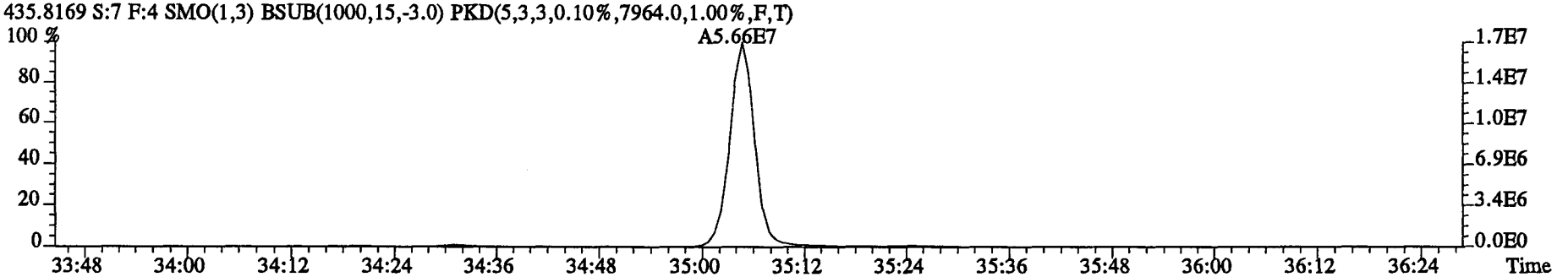
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES
423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22804.0,1.00%,F,T)



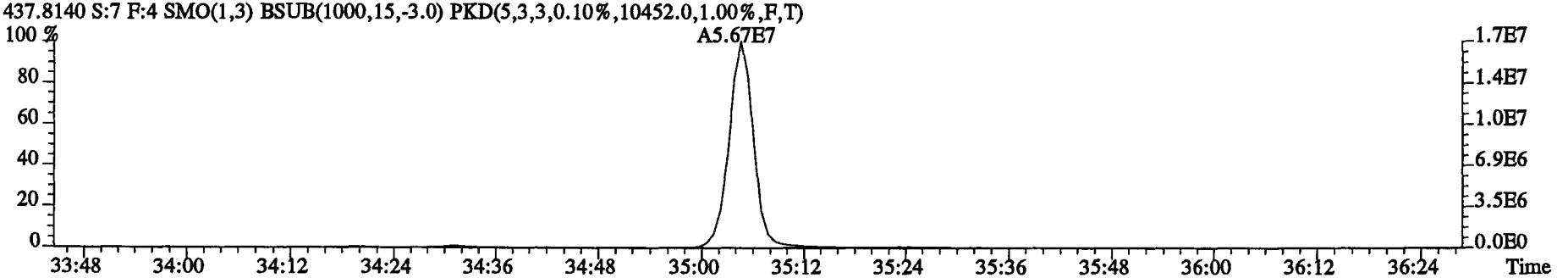
425.7737 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16808.0,1.00%,F,T)



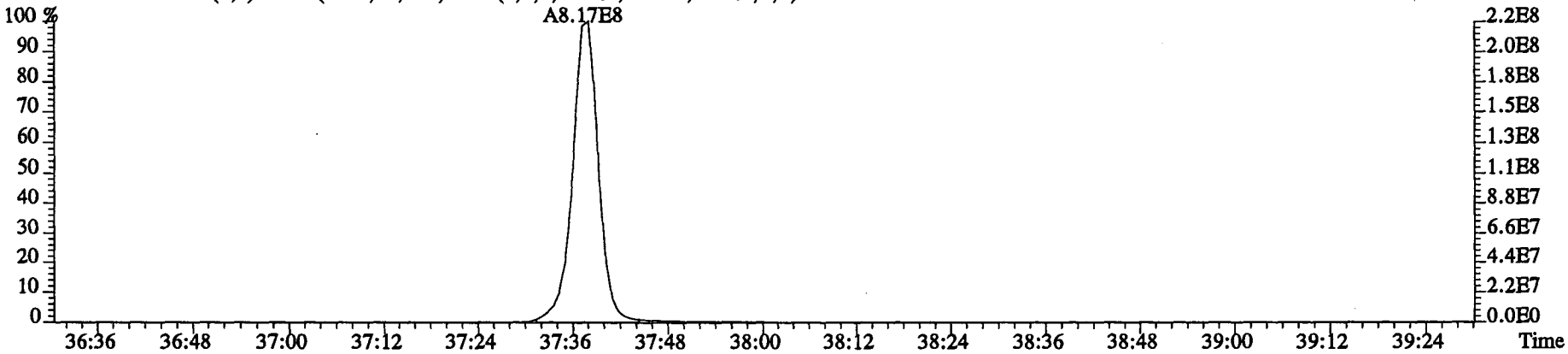
435.8169 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7964.0,1.00%,F,T)



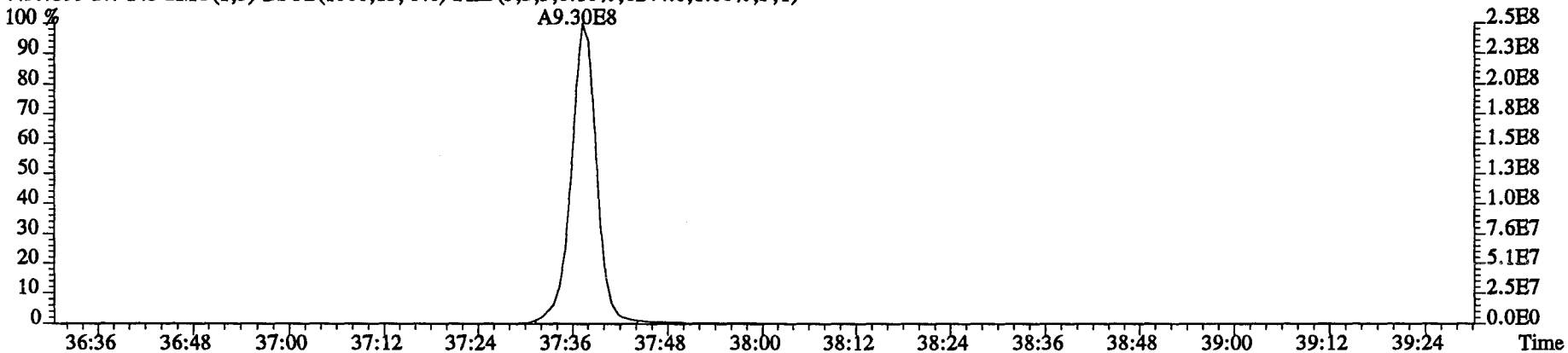
437.8140 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10452.0,1.00%,F,T)



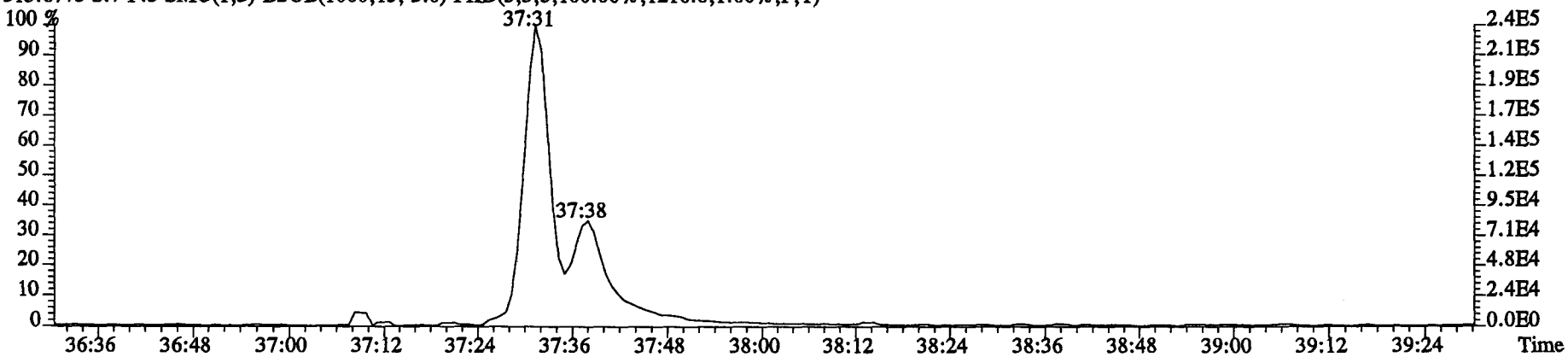
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES
441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6004.0,1.00%,F,T)



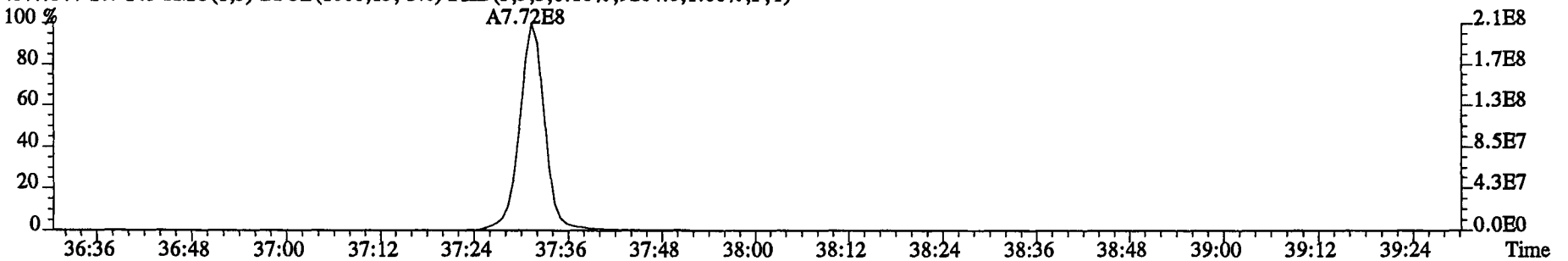
443.7399 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6244.0,1.00%,F,T)



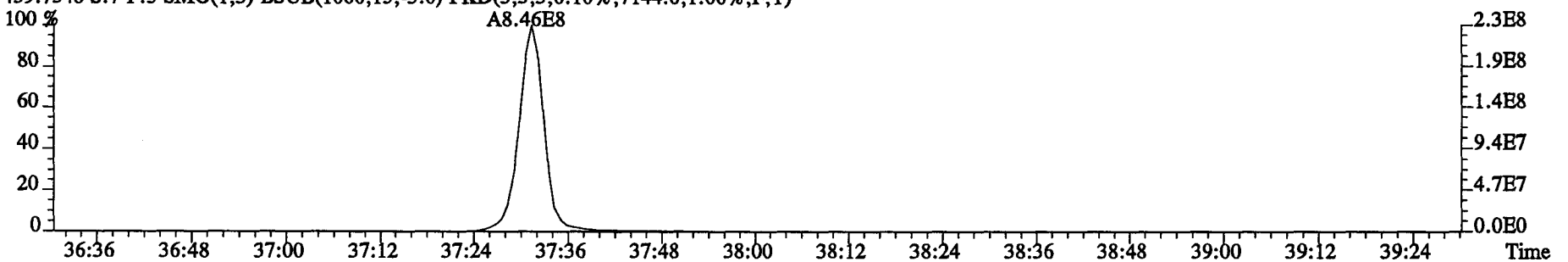
513.6775 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1216.0,1.00%,F,T)



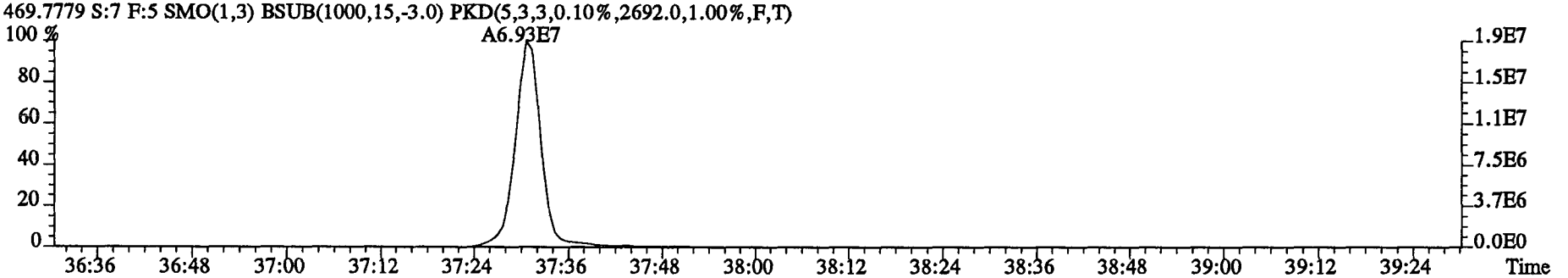
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES
457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9204.0,1.00%,F,T)



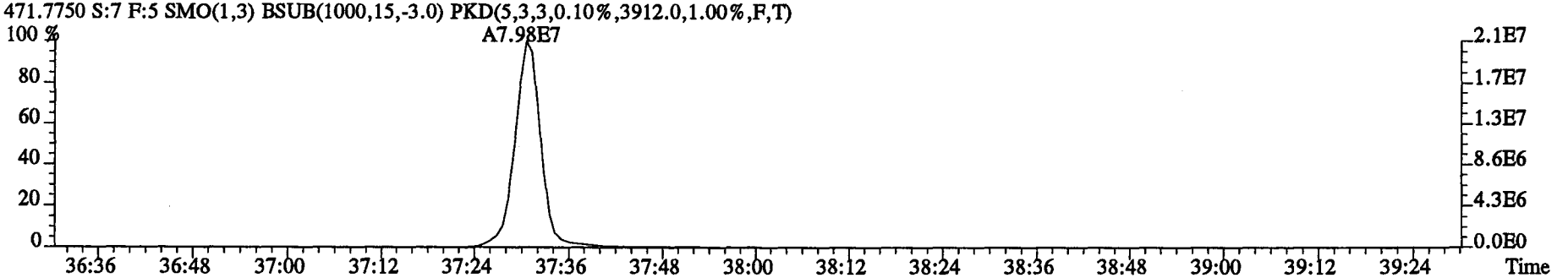
459.7348 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7144.0,1.00%,F,T)



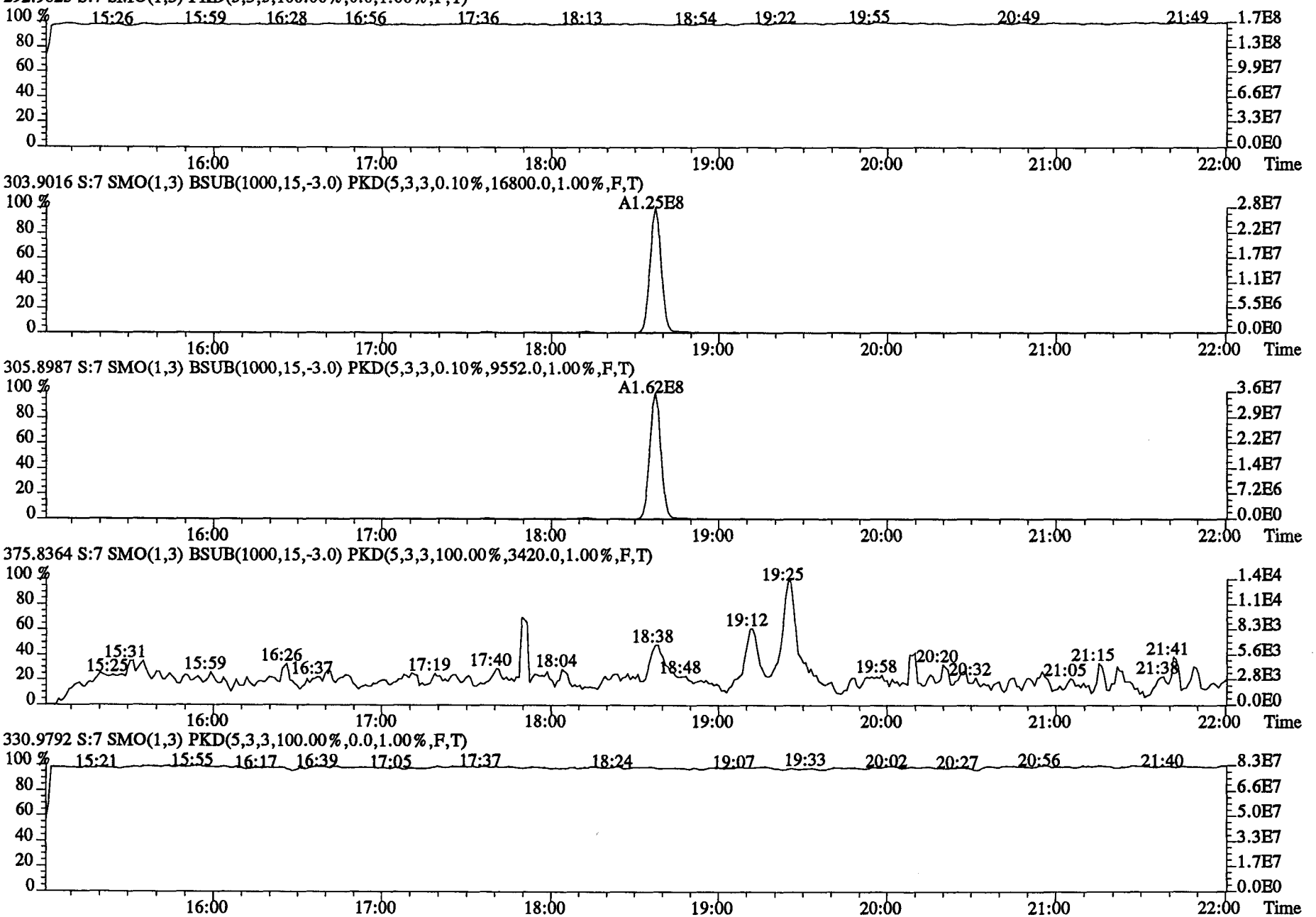
469.7779 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2692.0,1.00%,F,T)



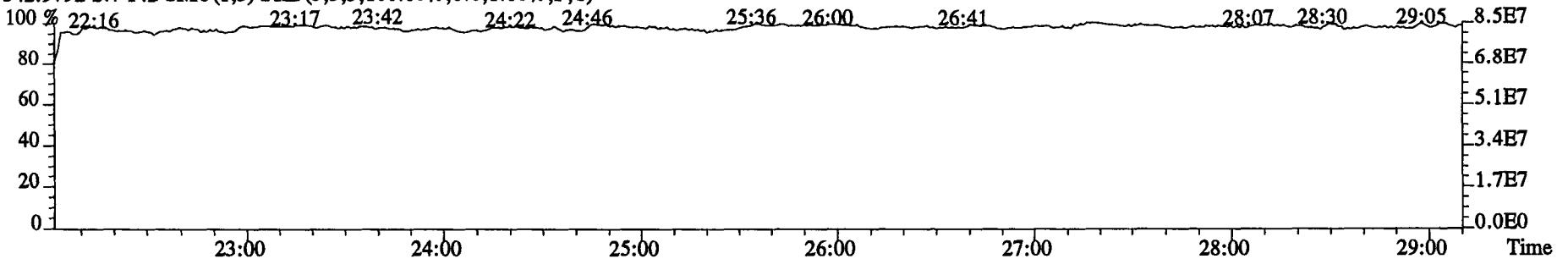
471.7750 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912.0,1.00%,F,T)



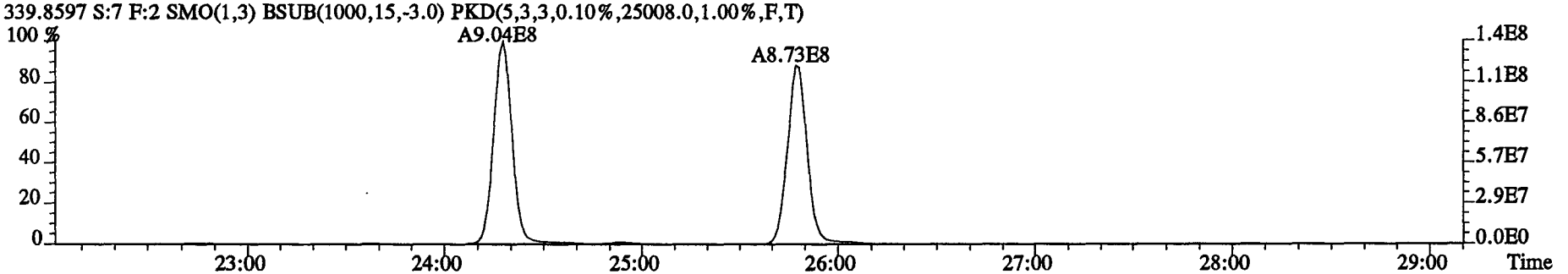
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES



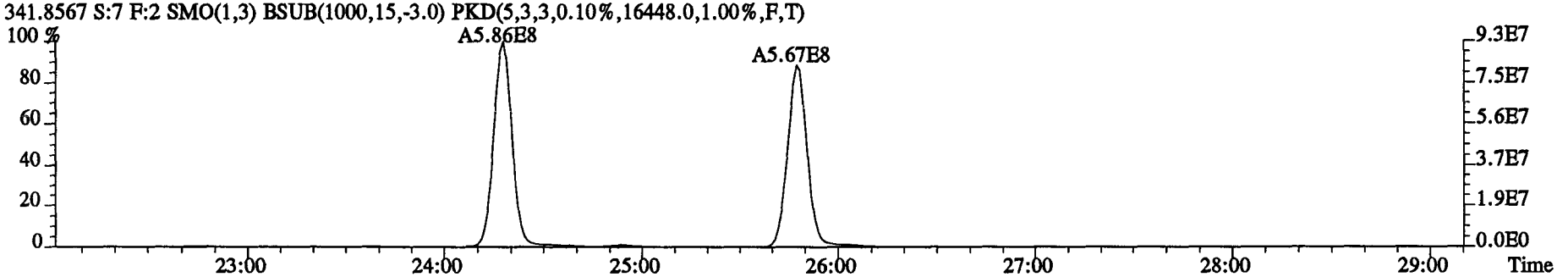
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES
342.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



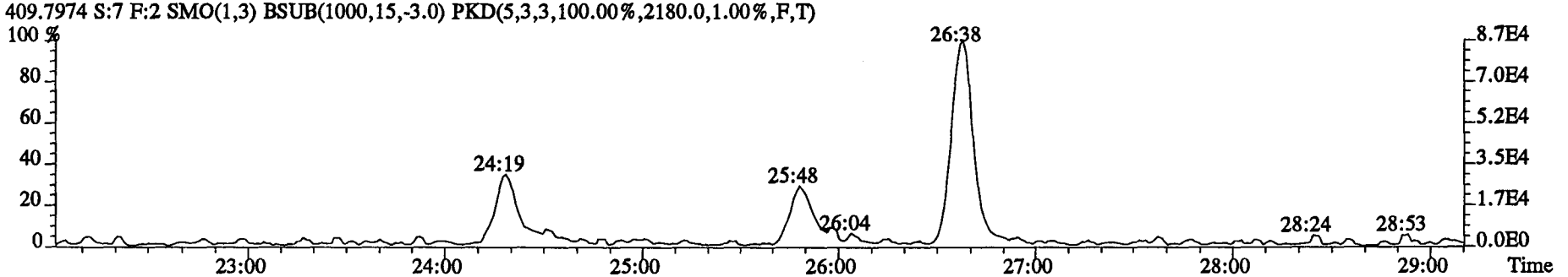
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25008.0,1.00%,F,T)



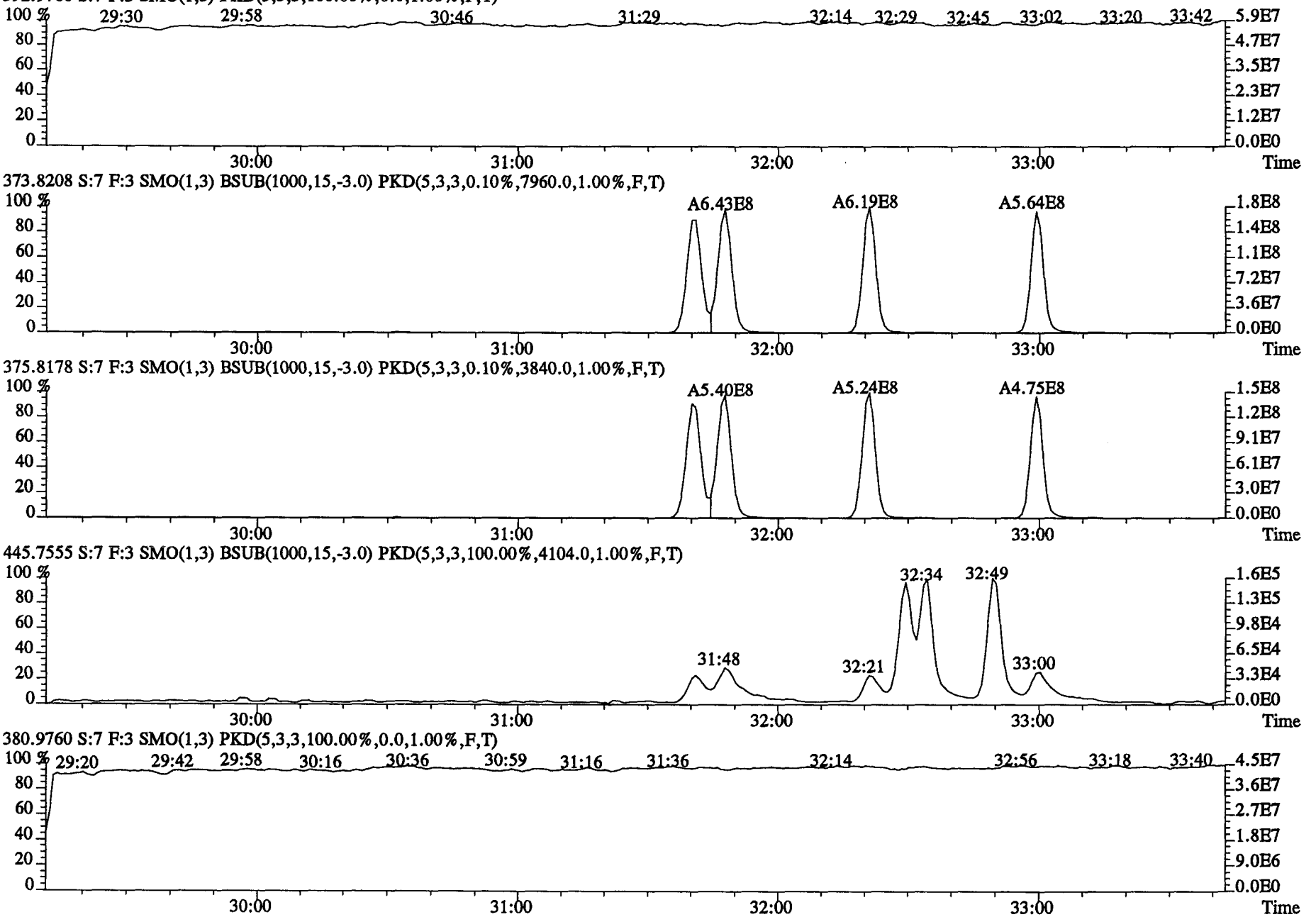
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16448.0,1.00%,F,T)



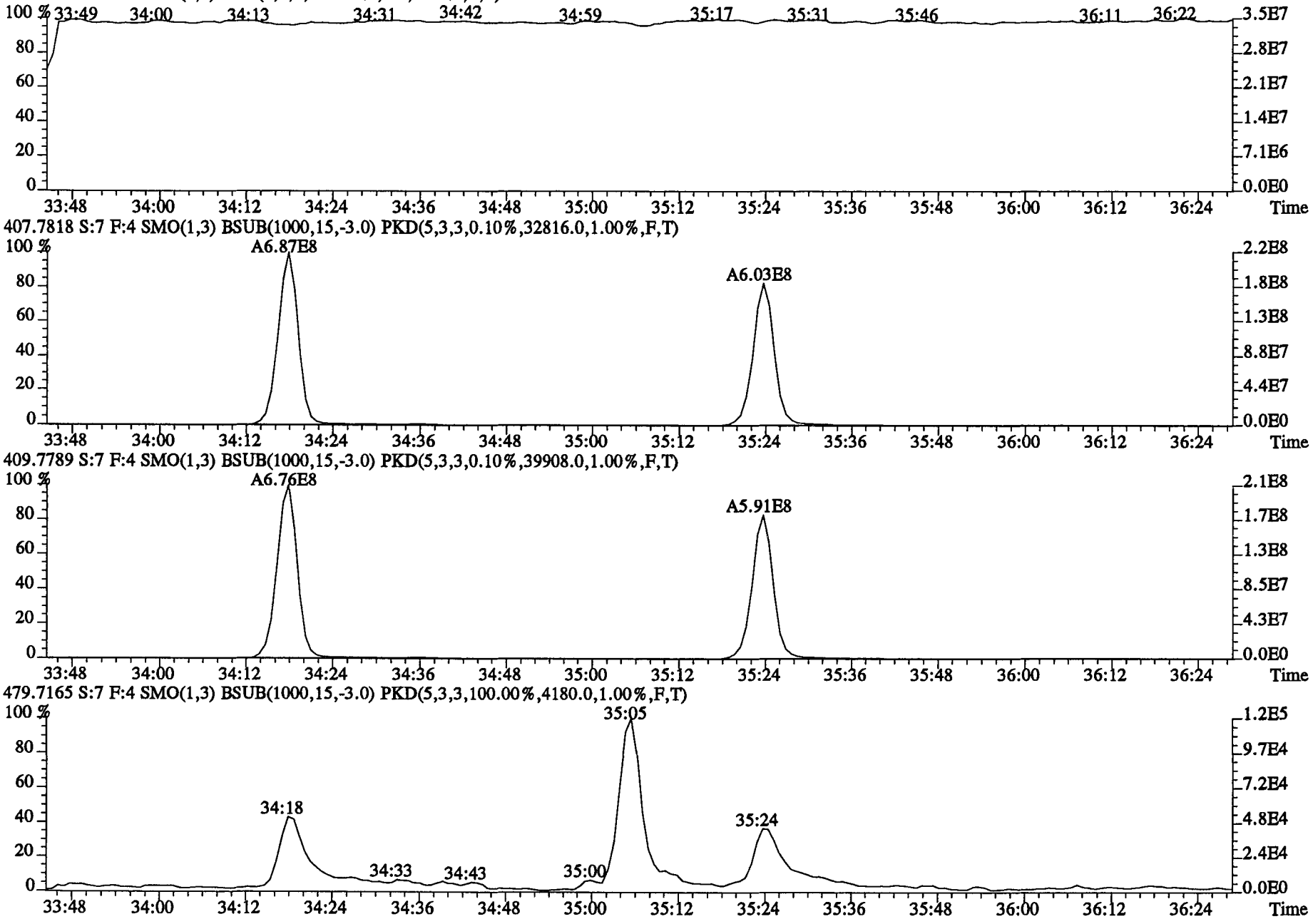
409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2180.0,1.00%,F,T)



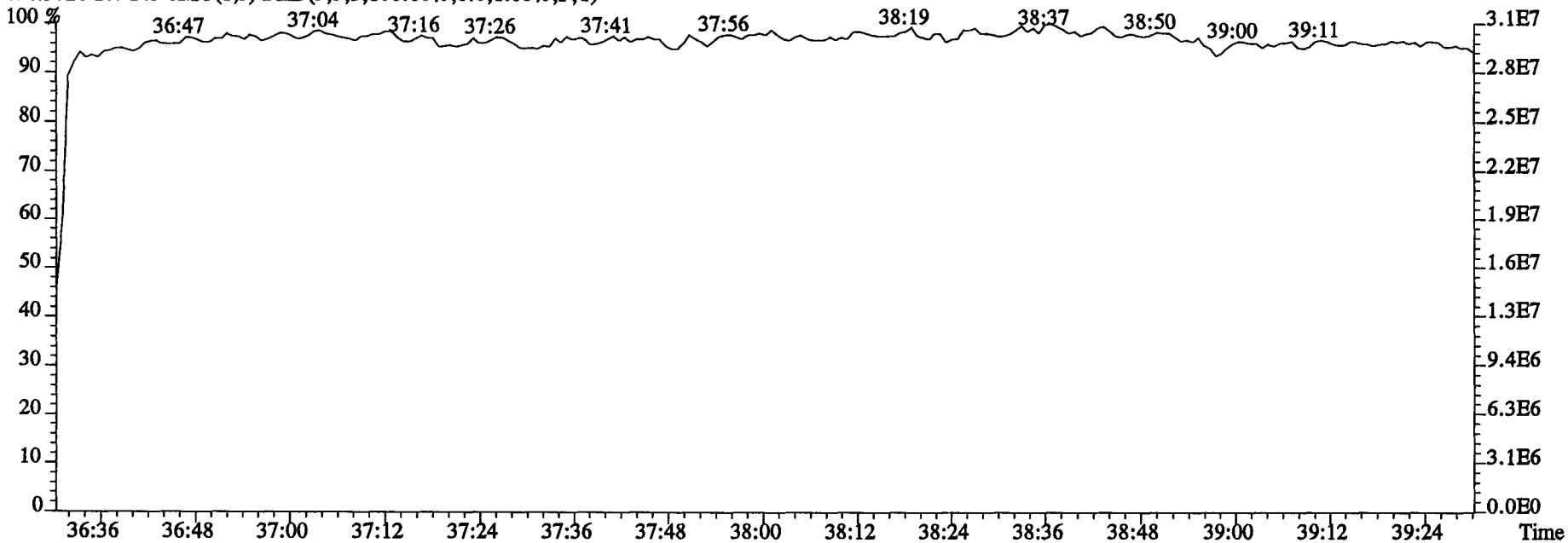
File:14DE10A9D5 #1-326 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES



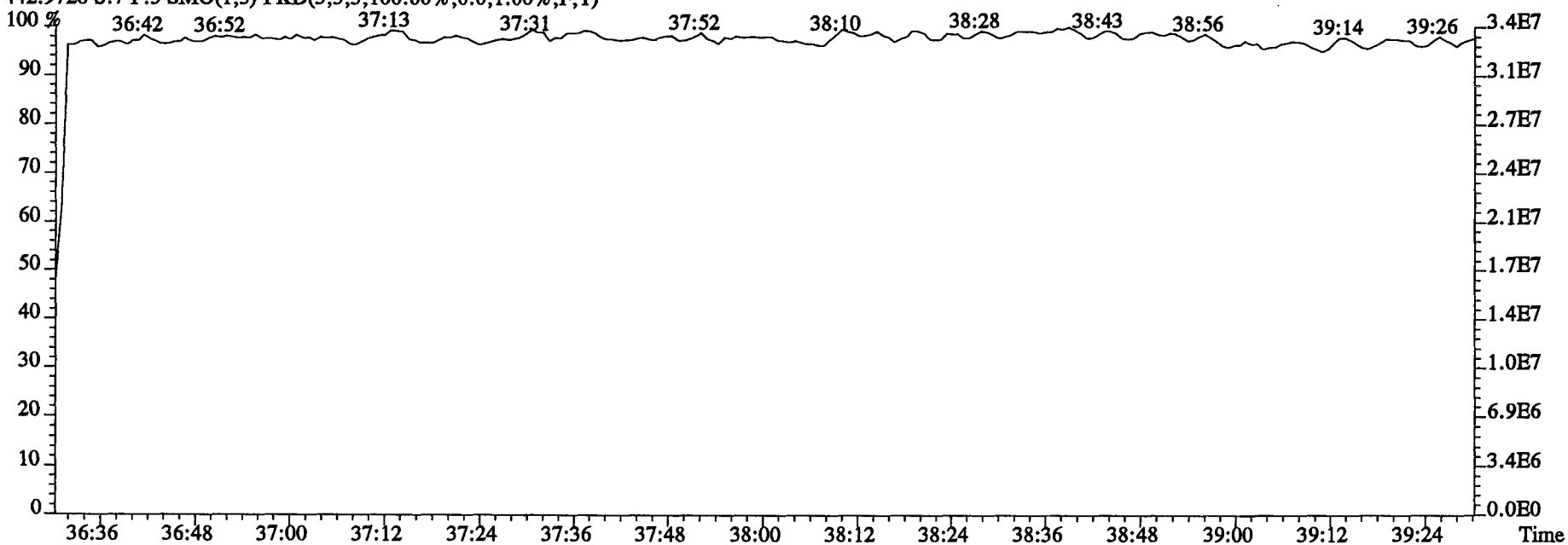
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES



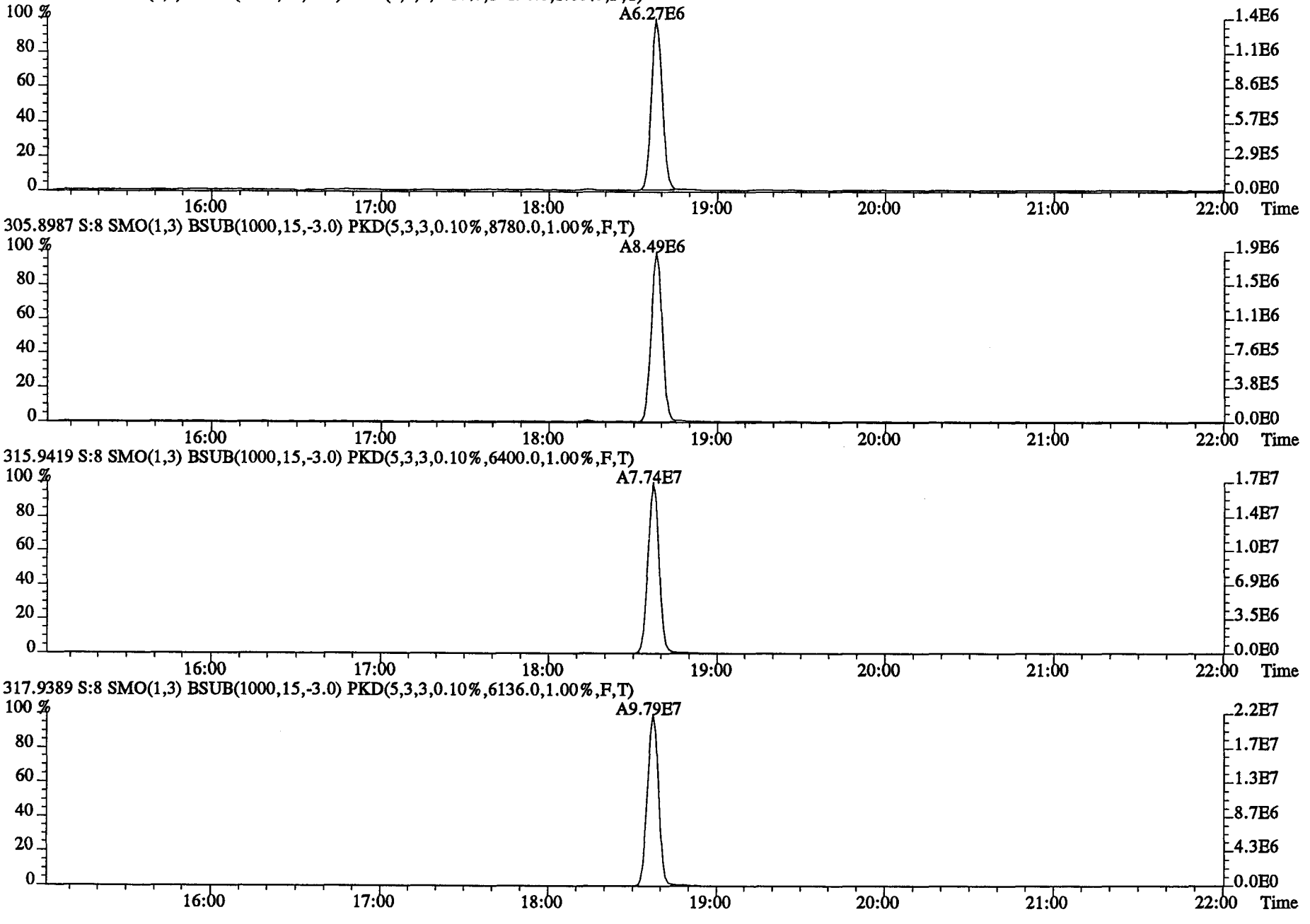
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 19:18:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 Text:ST1214D :CS-5 10DXN507 Exp:DIOXINRES
454.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



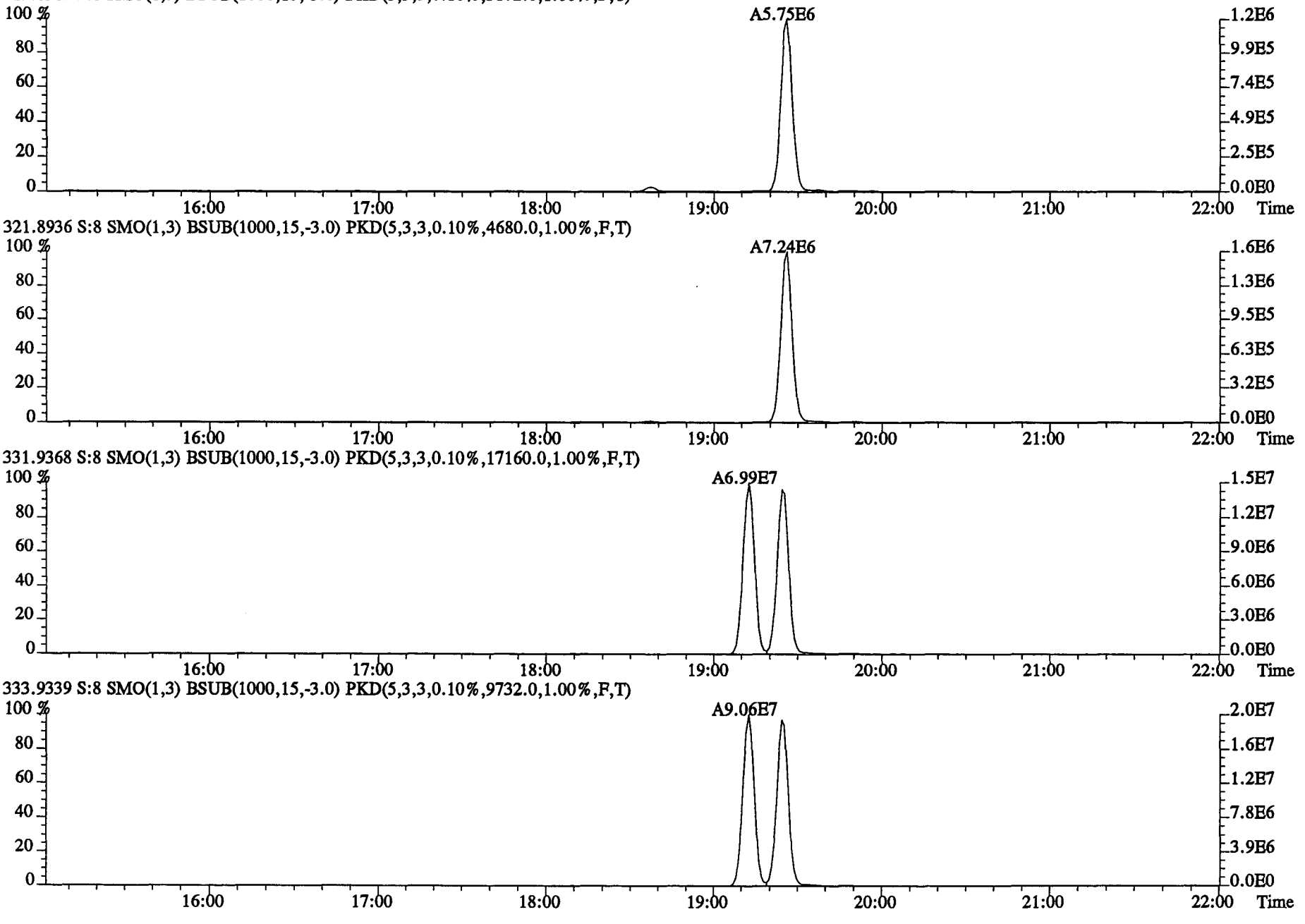
442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



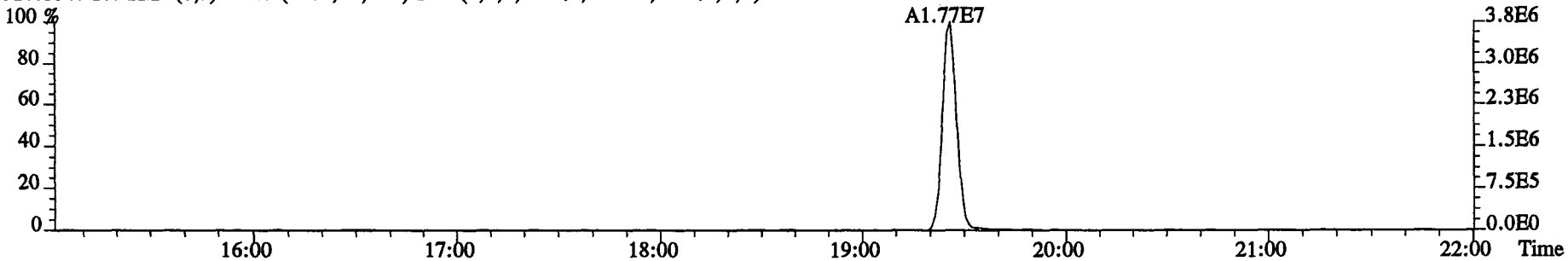
File:14DE10A9D5 #1-463 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES



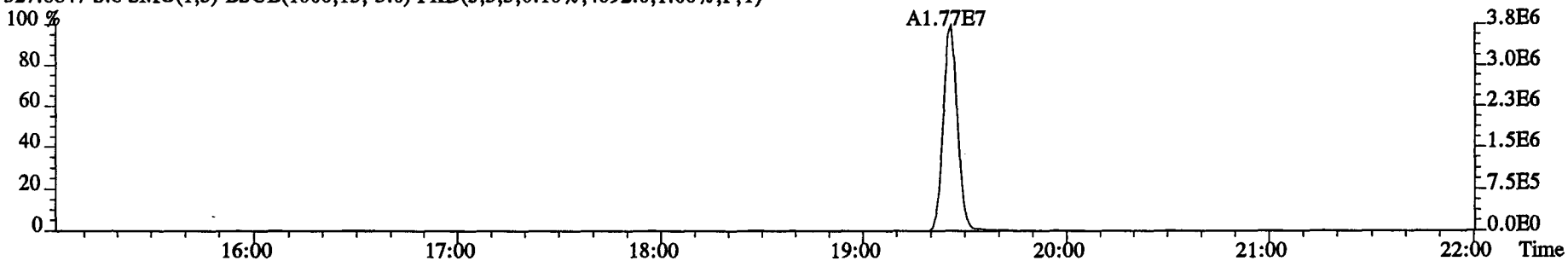
File:14DE10A9D5 #1-463 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES



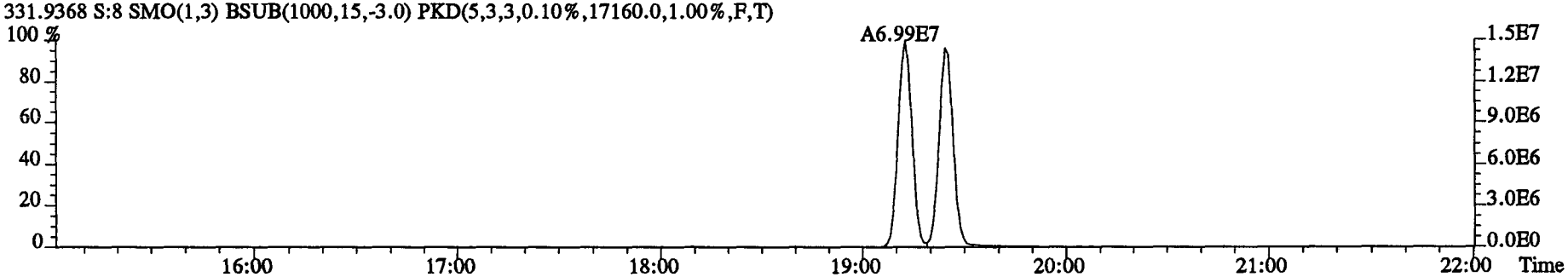
File:14DE10A9D5 #1-463 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4092.0,1.00%,F,T)



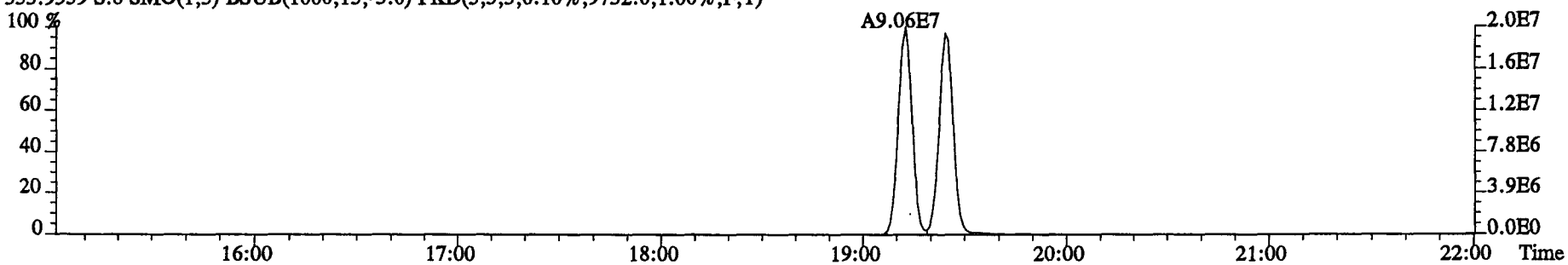
327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4092.0,1.00%,F,T)



331.9368 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17160.0,1.00%,F,T)

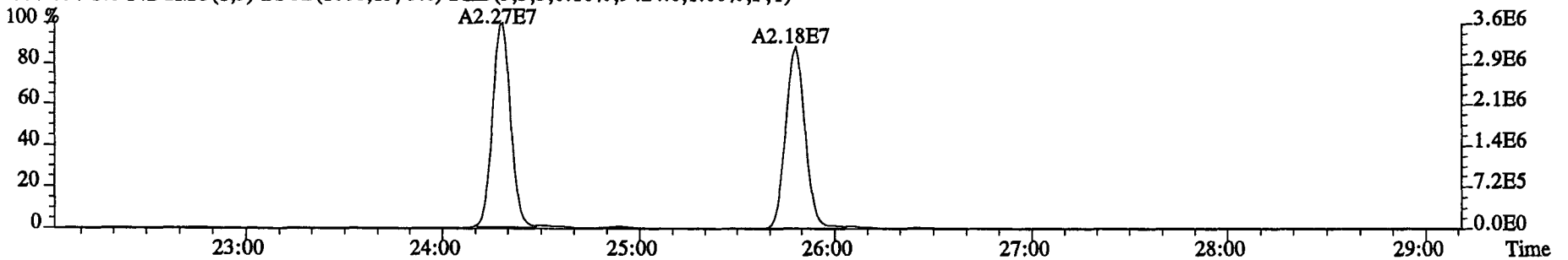


333.9339 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9732.0,1.00%,F,T)

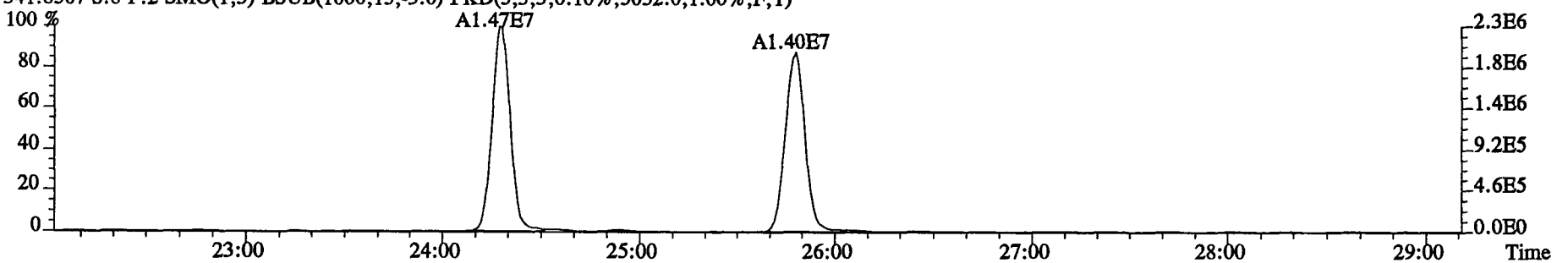


File:14DE10A9D5 #1-460 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES

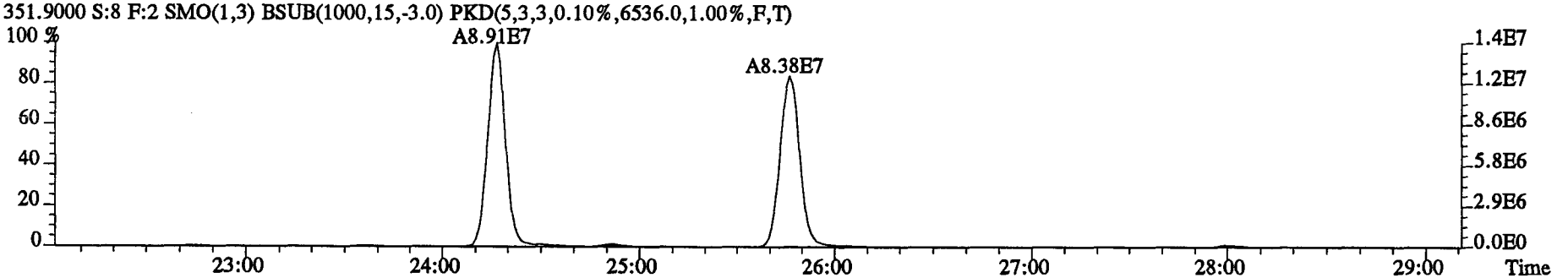
339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9424.0,1.00%,F,T)



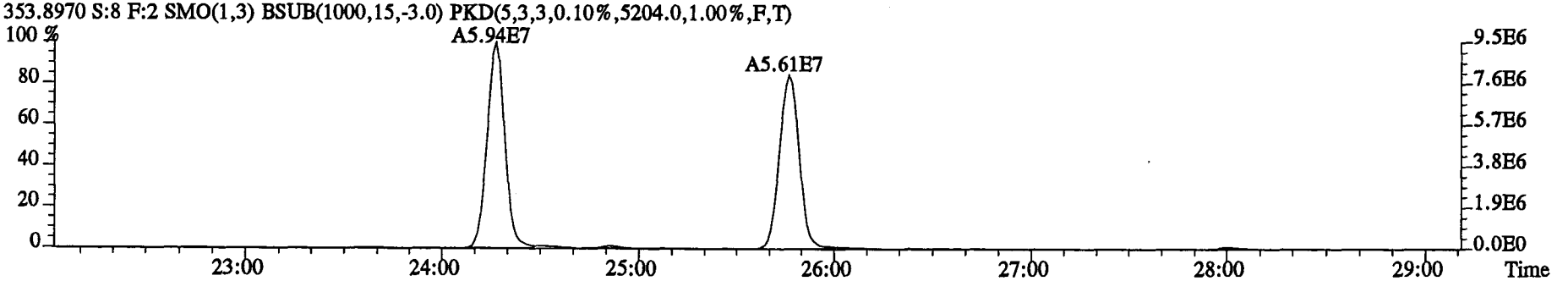
341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5052.0,1.00%,F,T)



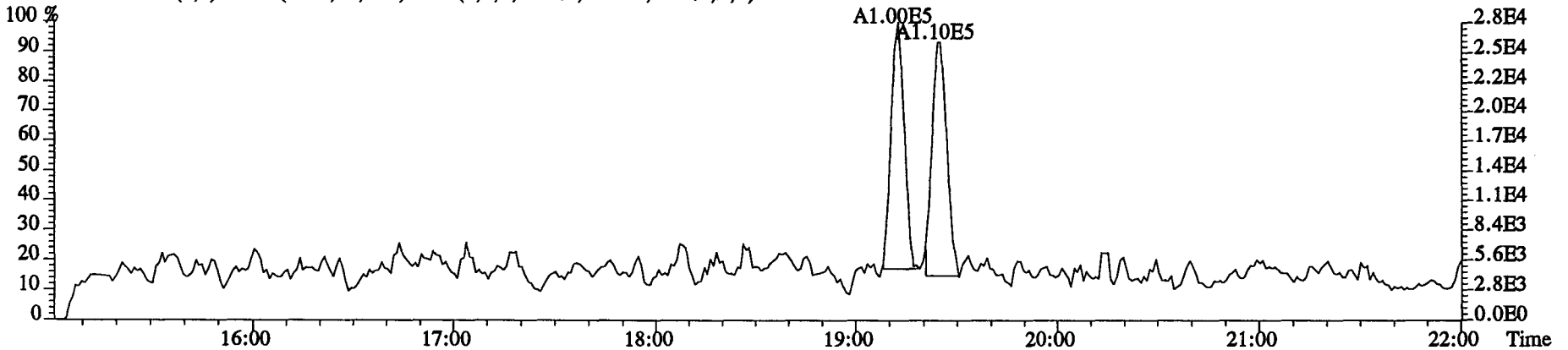
351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6536.0,1.00%,F,T)



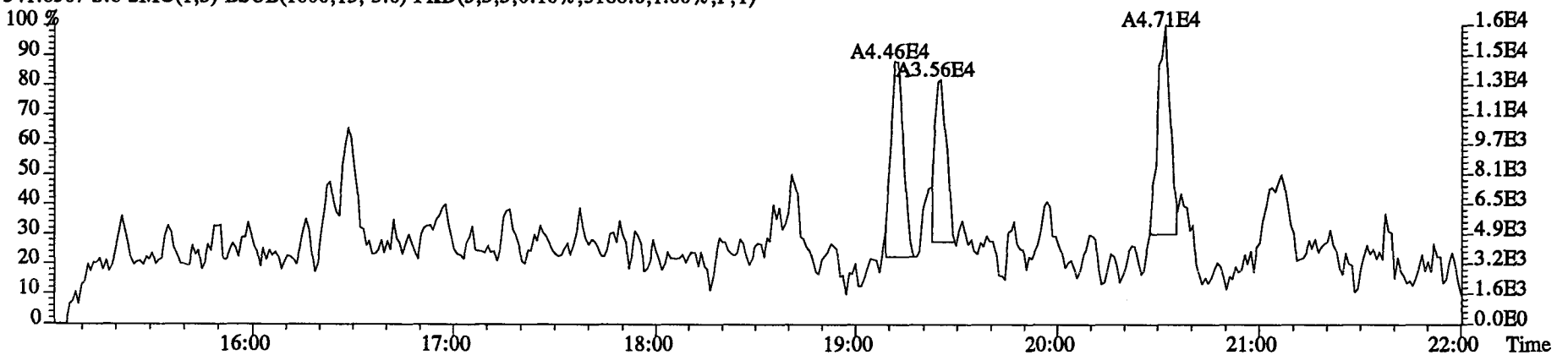
353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5204.0,1.00%,F,T)



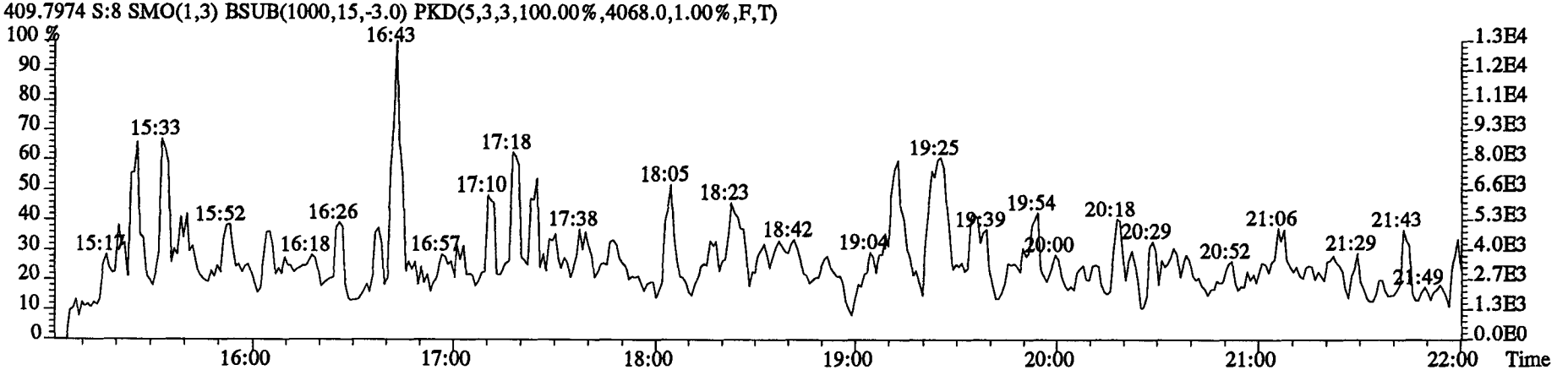
File:14DE10A9D5 #1-463 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES
339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5952.0,1.00%,F,T)



341.8567 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5188.0,1.00%,F,T)

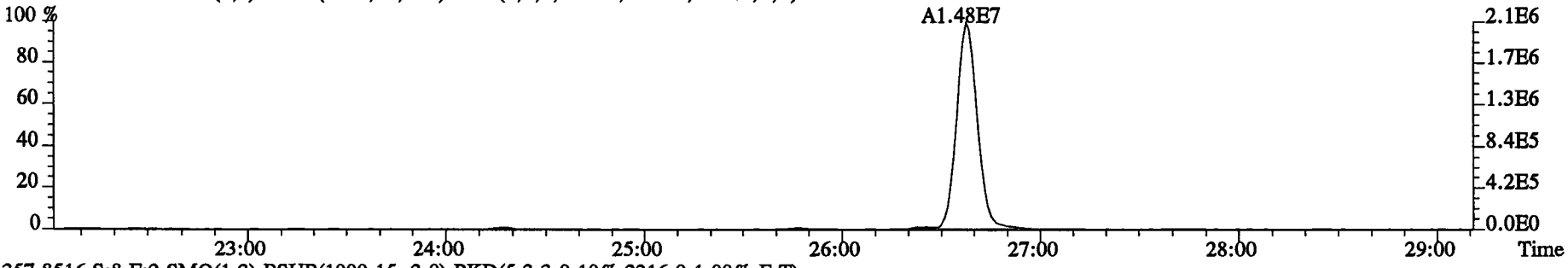


409.7974 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4068.0,1.00%,F,T)

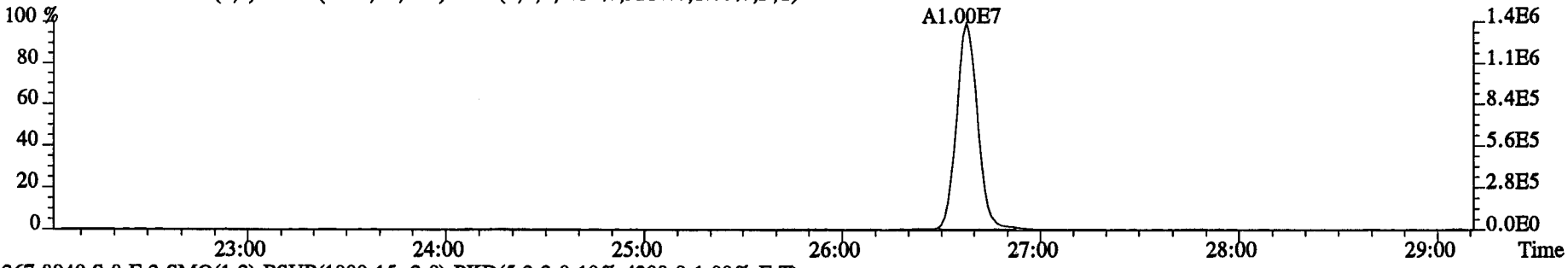


File:14DE10A9D5 #1-460 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES

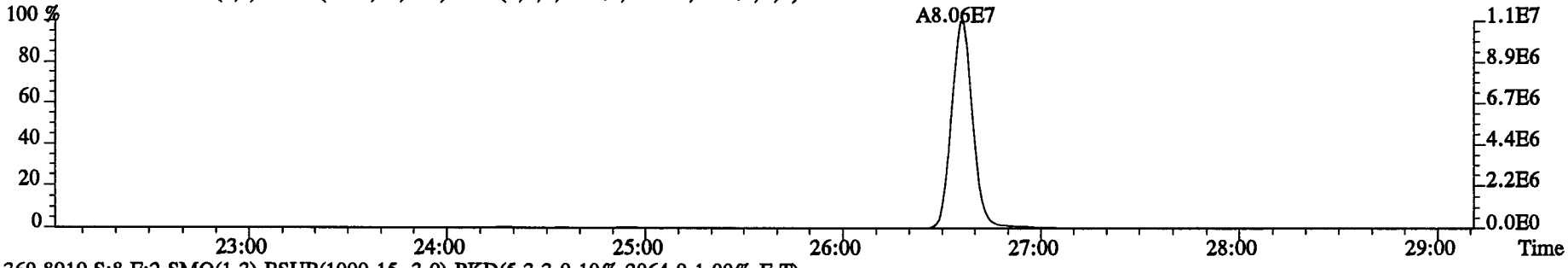
355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3688.0,1.00%,F,T)



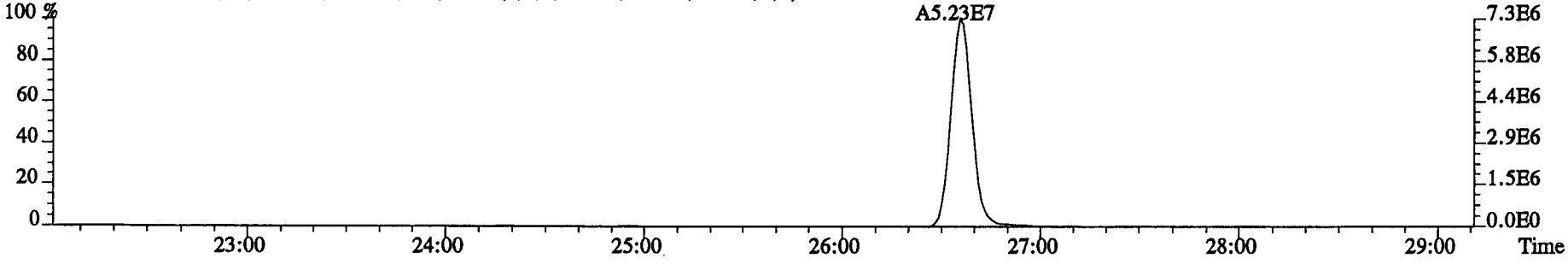
357.8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2216.0,1.00%,F,T)



367.8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4308.0,1.00%,F,T)

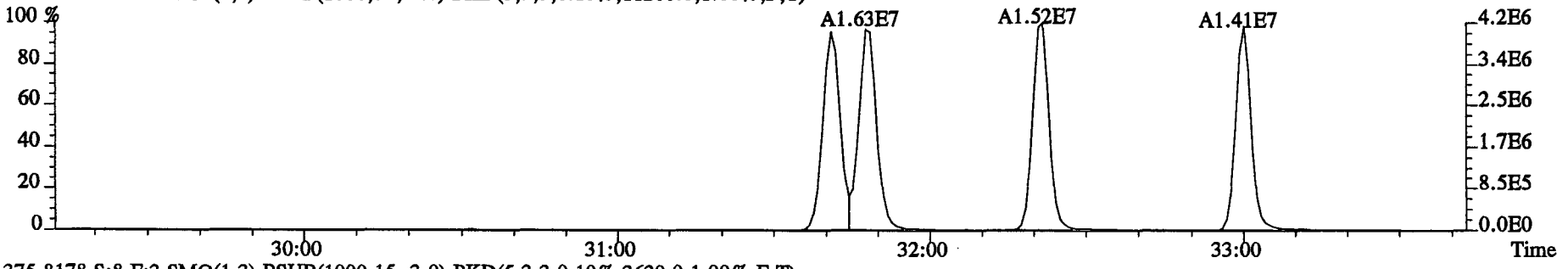


369.8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2064.0,1.00%,F,T)

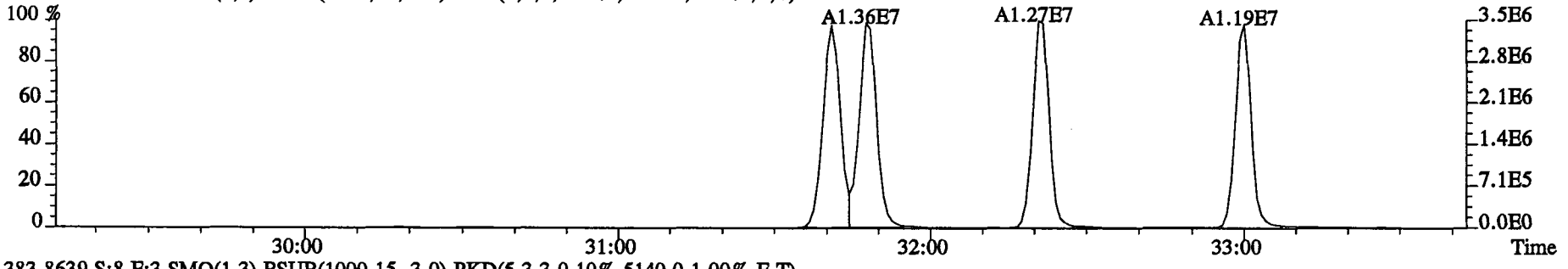


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES

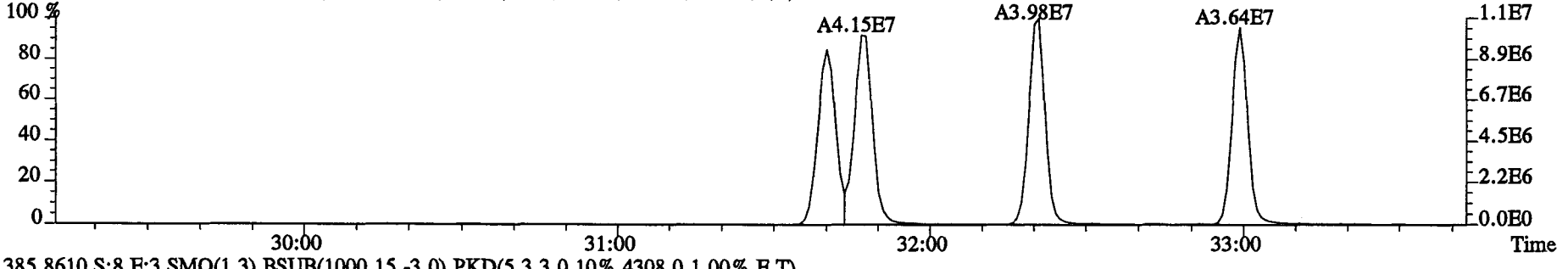
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11280.0,1.00%,F,T)



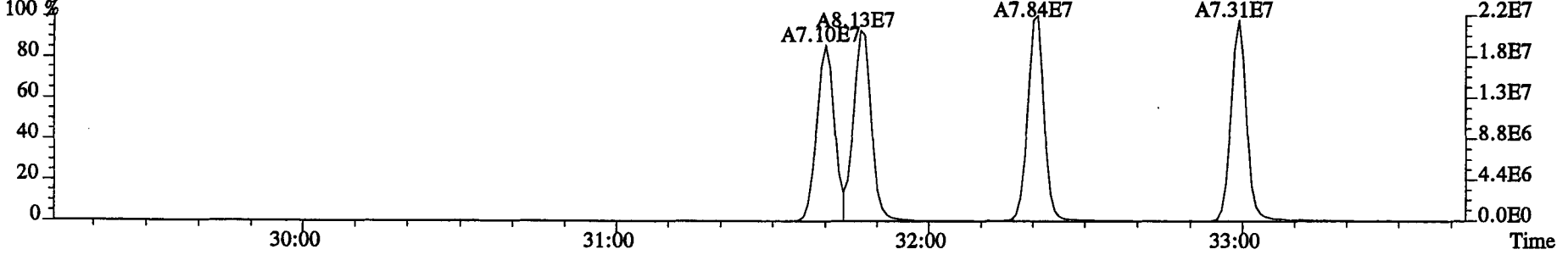
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3620.0,1.00%,F,T)



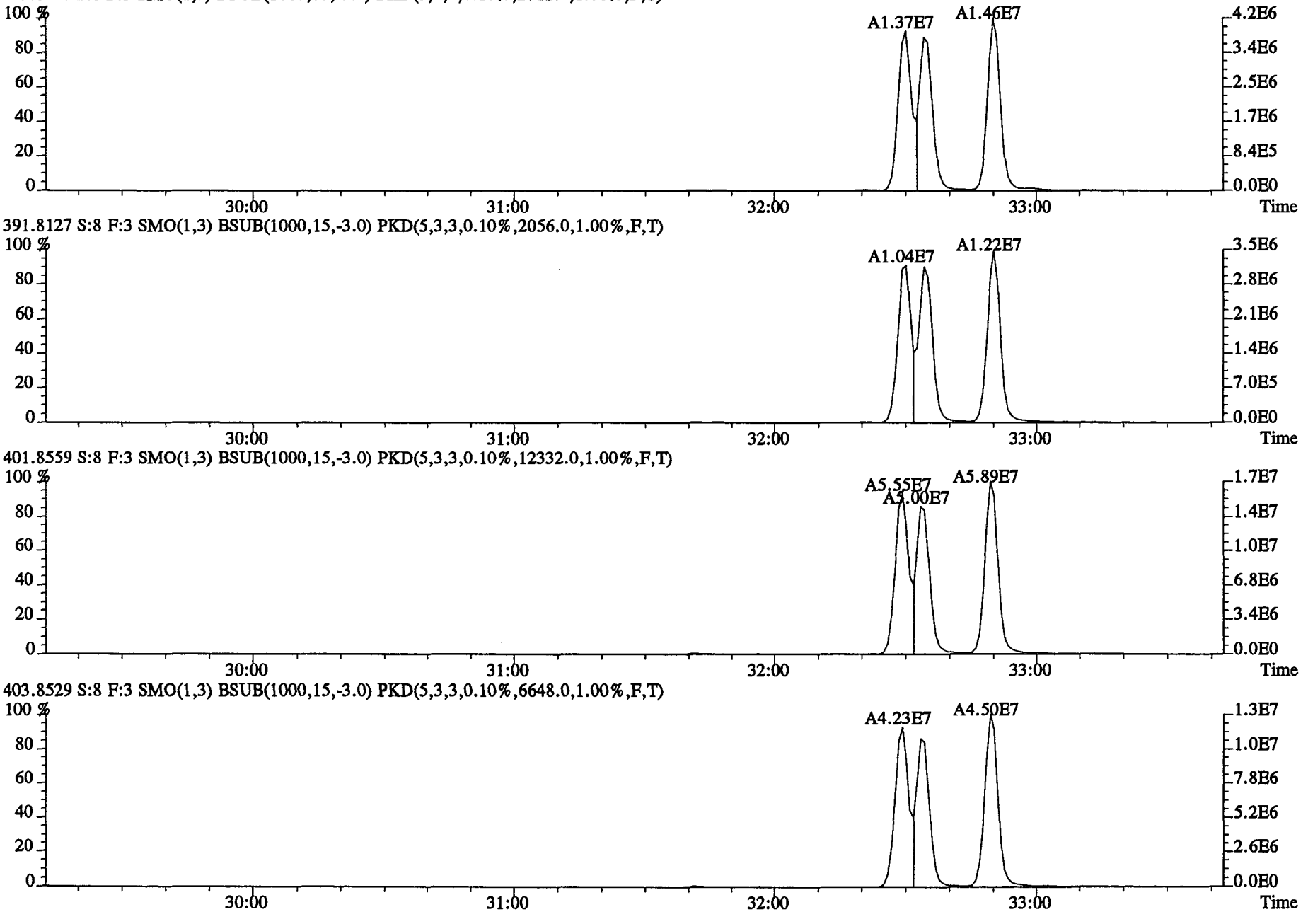
383.8639 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5140.0,1.00%,F,T)



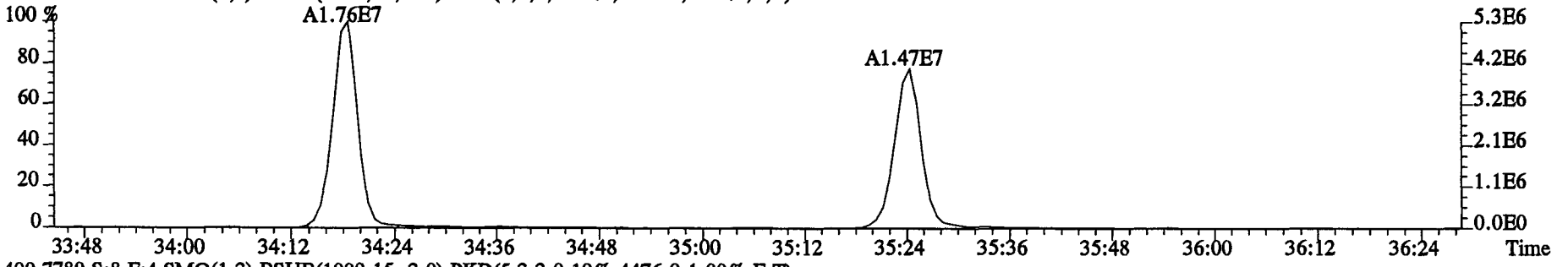
385.8610 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4308.0,1.00%,F,T)



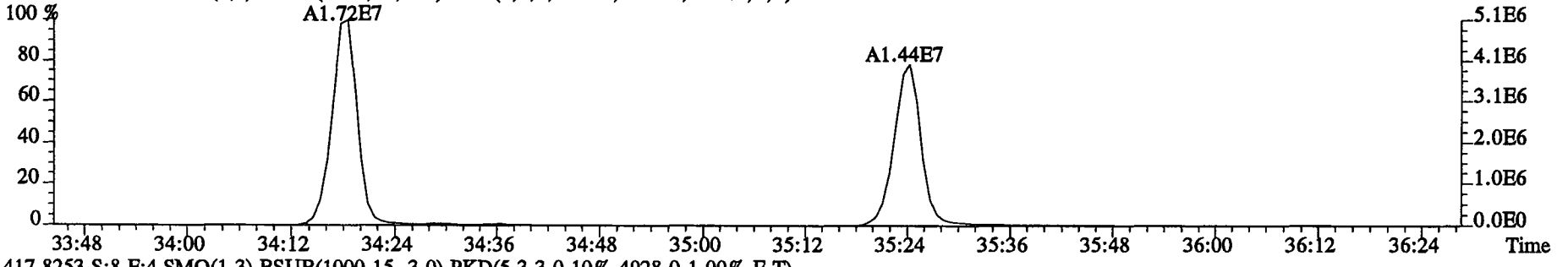
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES



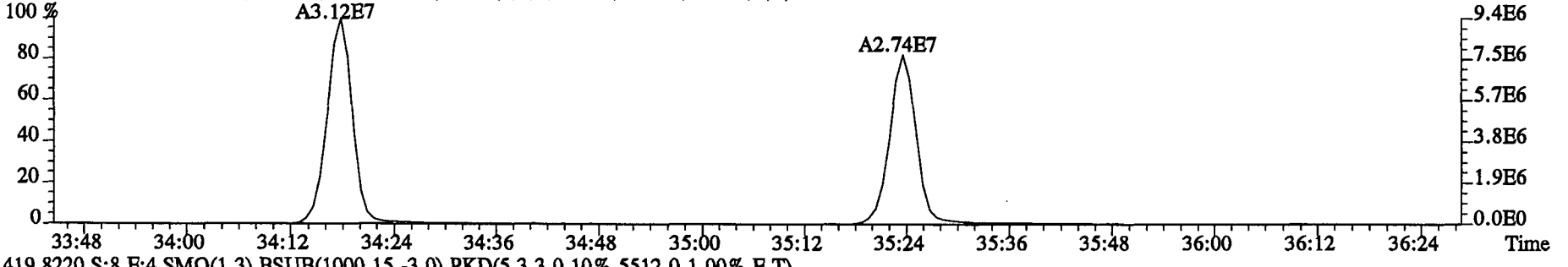
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8072.0,1.00%,F,T)



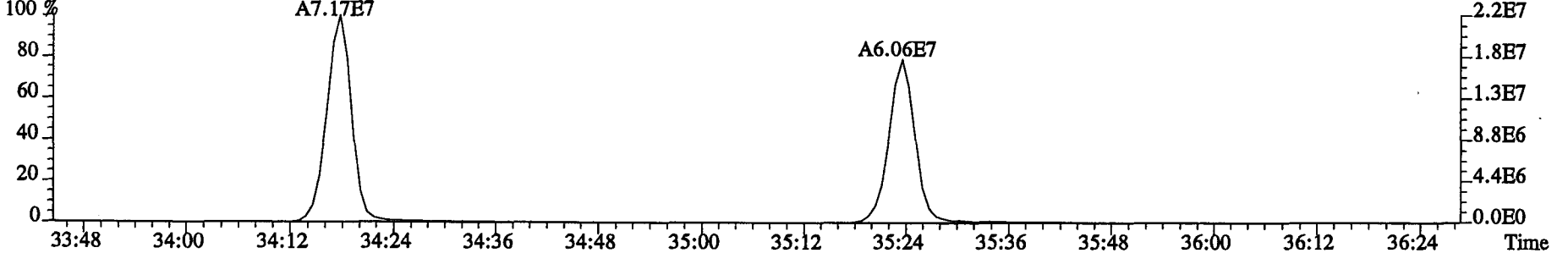
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4476.0,1.00%,F,T)



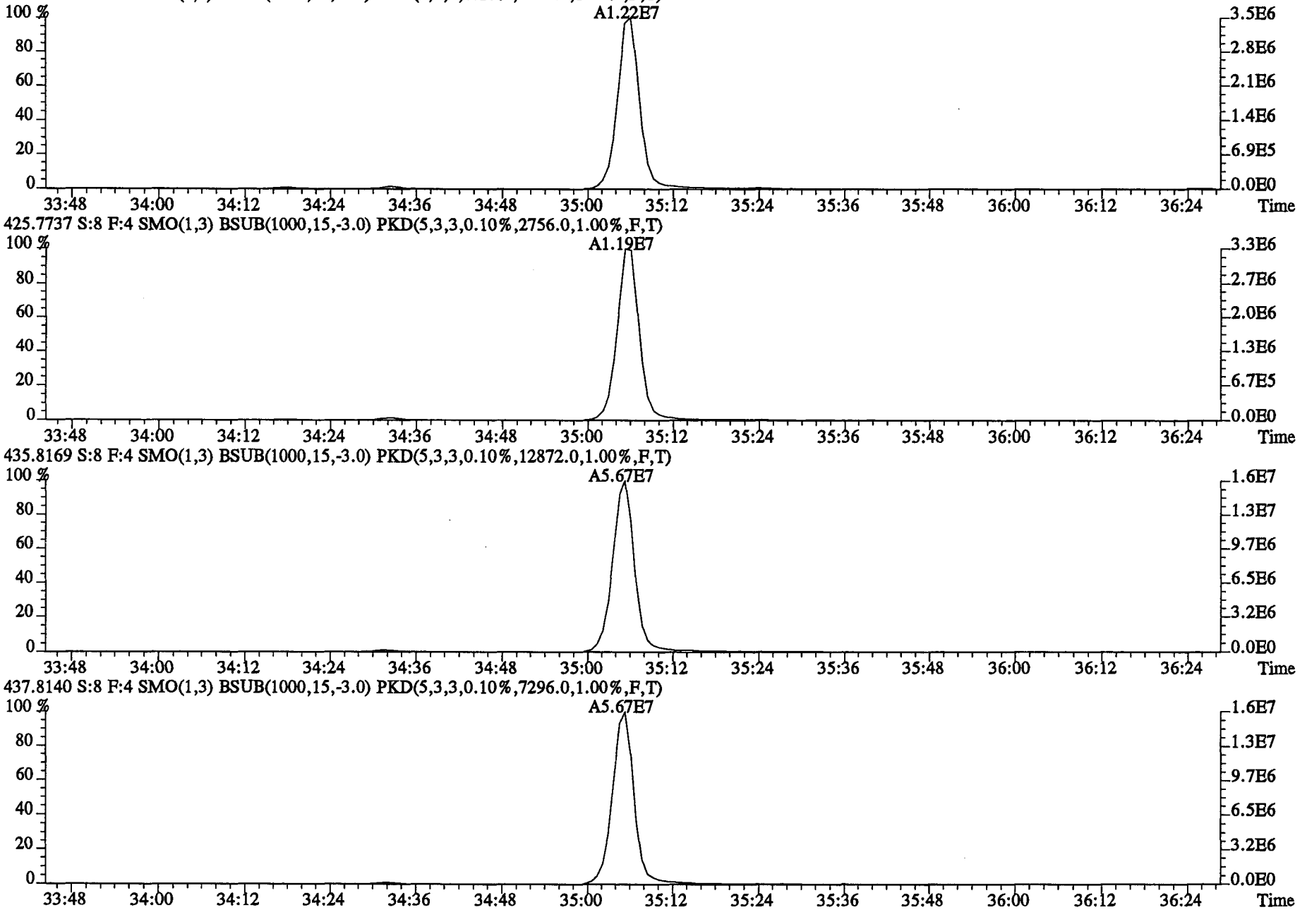
417.8253 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4928.0,1.00%,F,T)



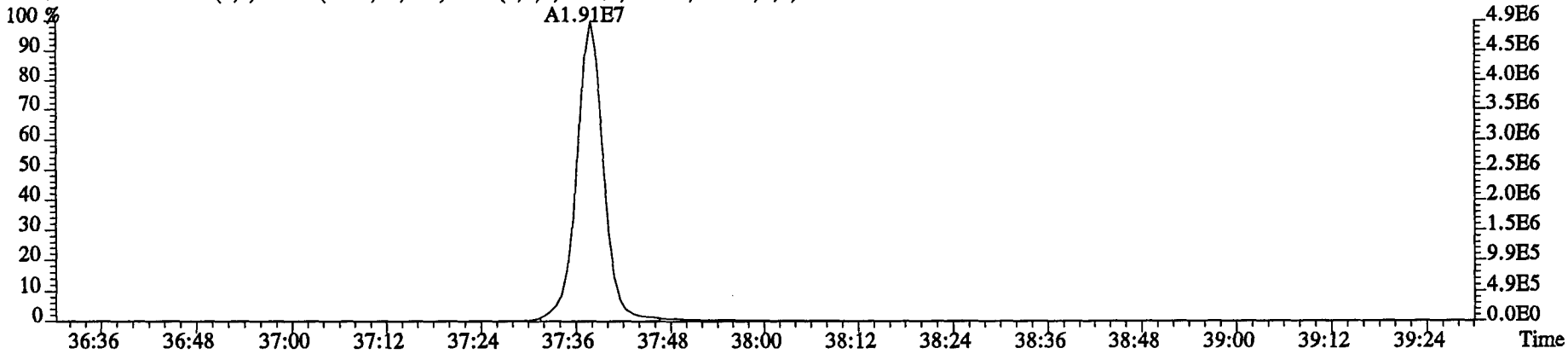
419.8220 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5512.0,1.00%,F,T)



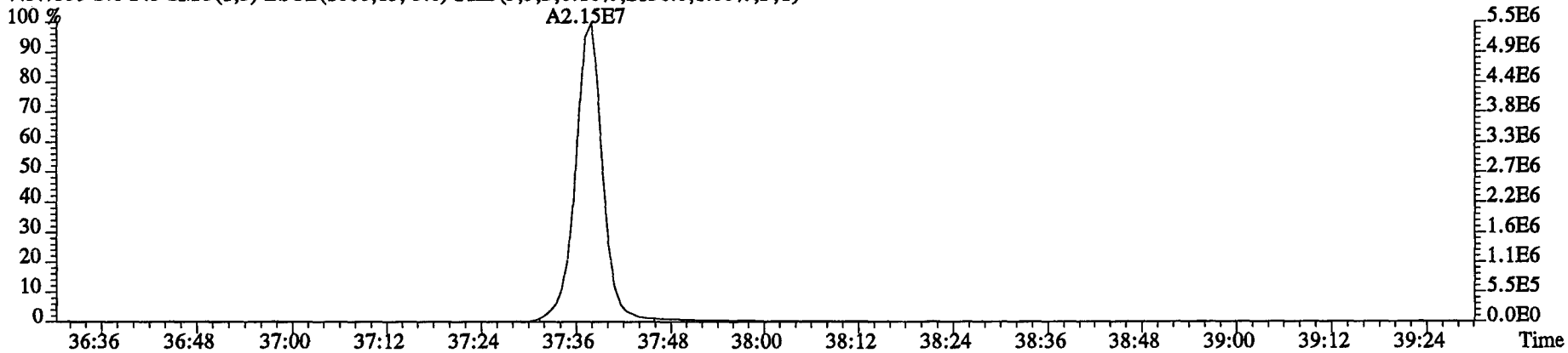
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES



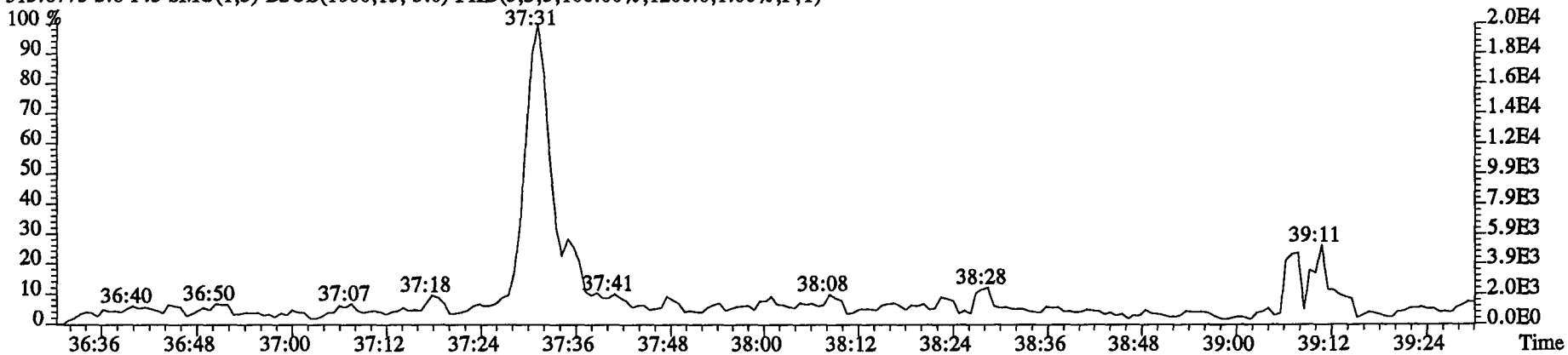
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES
441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2112.0,1.00%,F,T)



443.7399 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2136.0,1.00%,F,T)

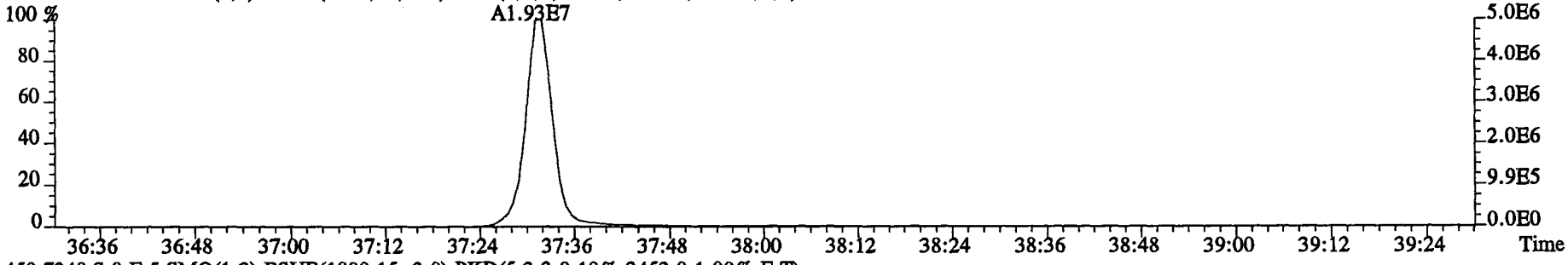


513.6775 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1200.0,1.00%,F,T)

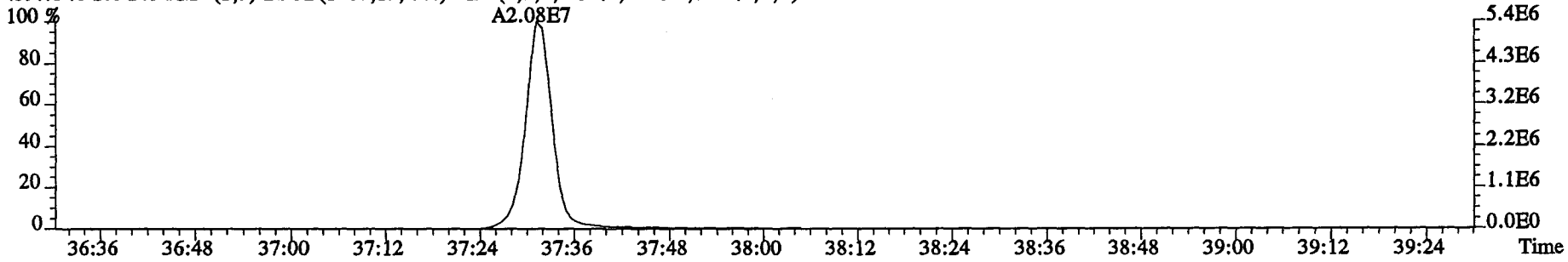


File:14DE10A9D5 #1-243 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES

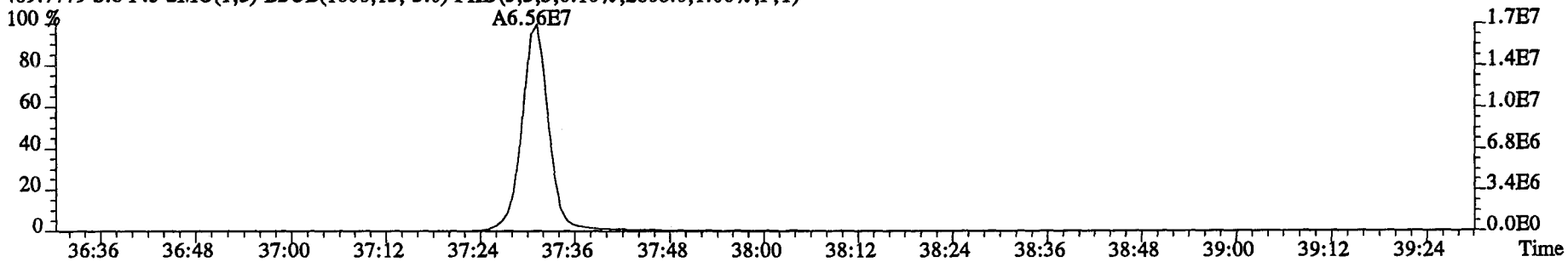
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5852.0,1.00%,F,T)



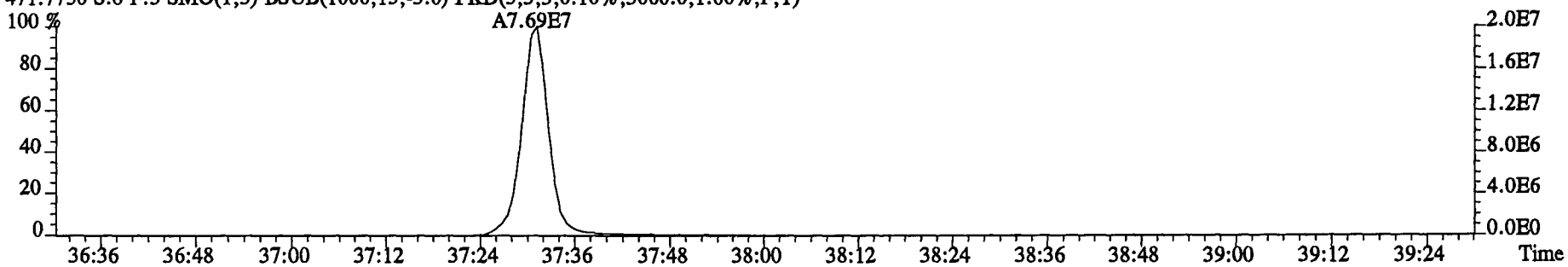
459.7348 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2452.0,1.00%,F,T)



469.7779 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2808.0,1.00%,F,T)

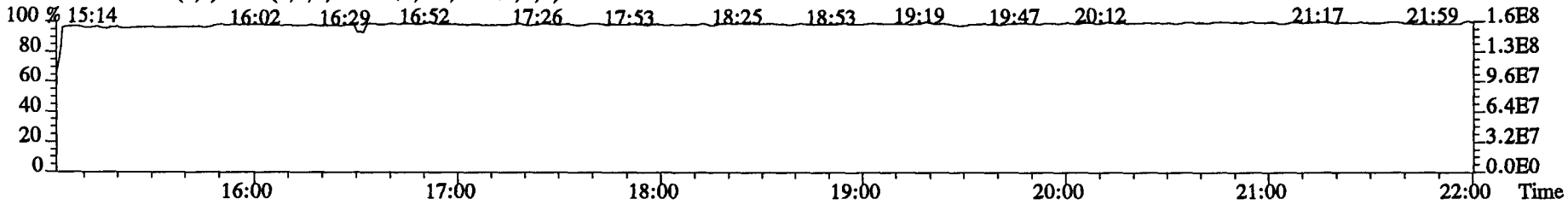


471.7750 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3060.0,1.00%,F,T)

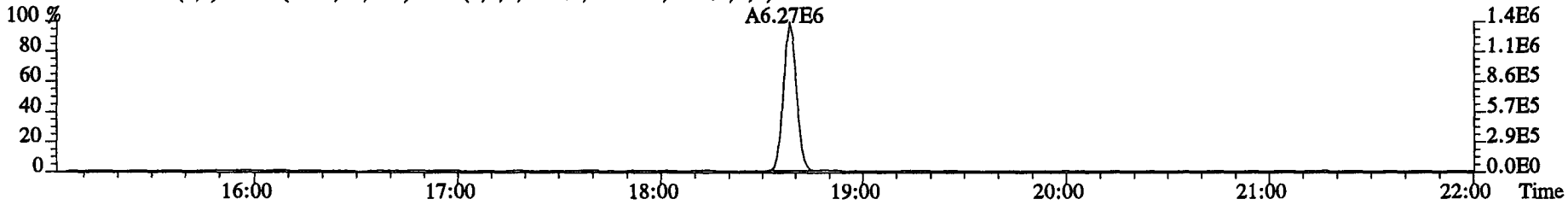


File:14DE10A9D5 #1-463 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES

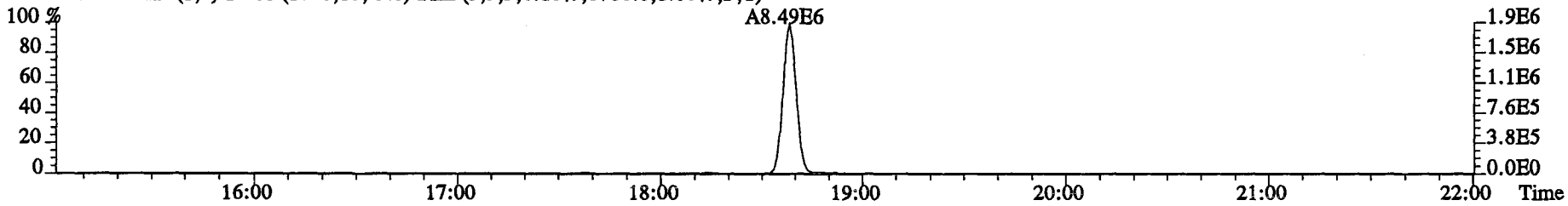
292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



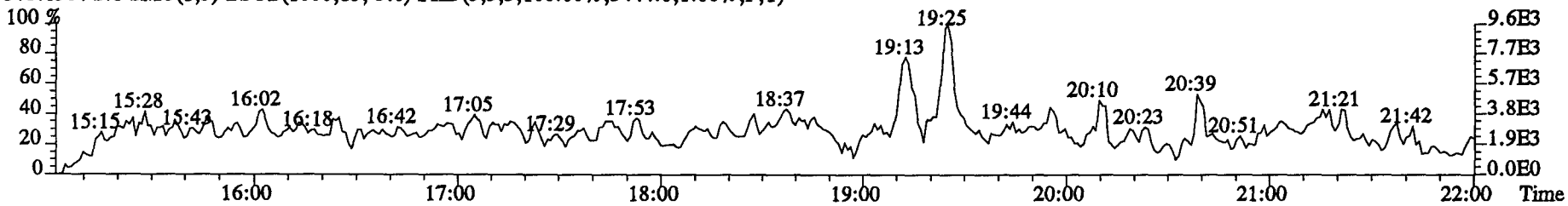
303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16196.0,1.00%,F,T)



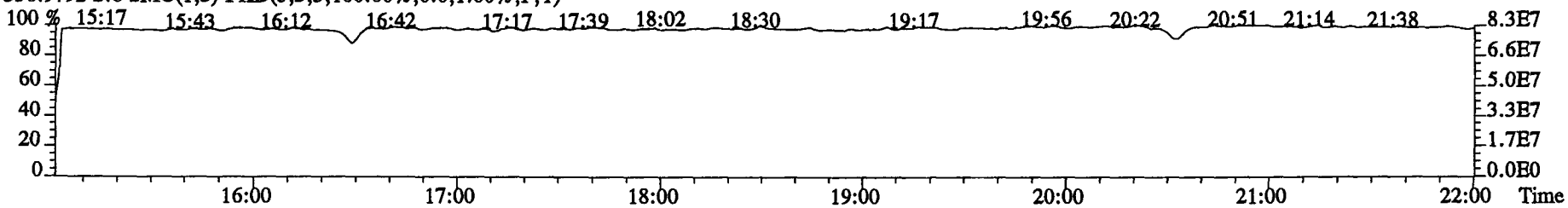
305.8987 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8780.0,1.00%,F,T)



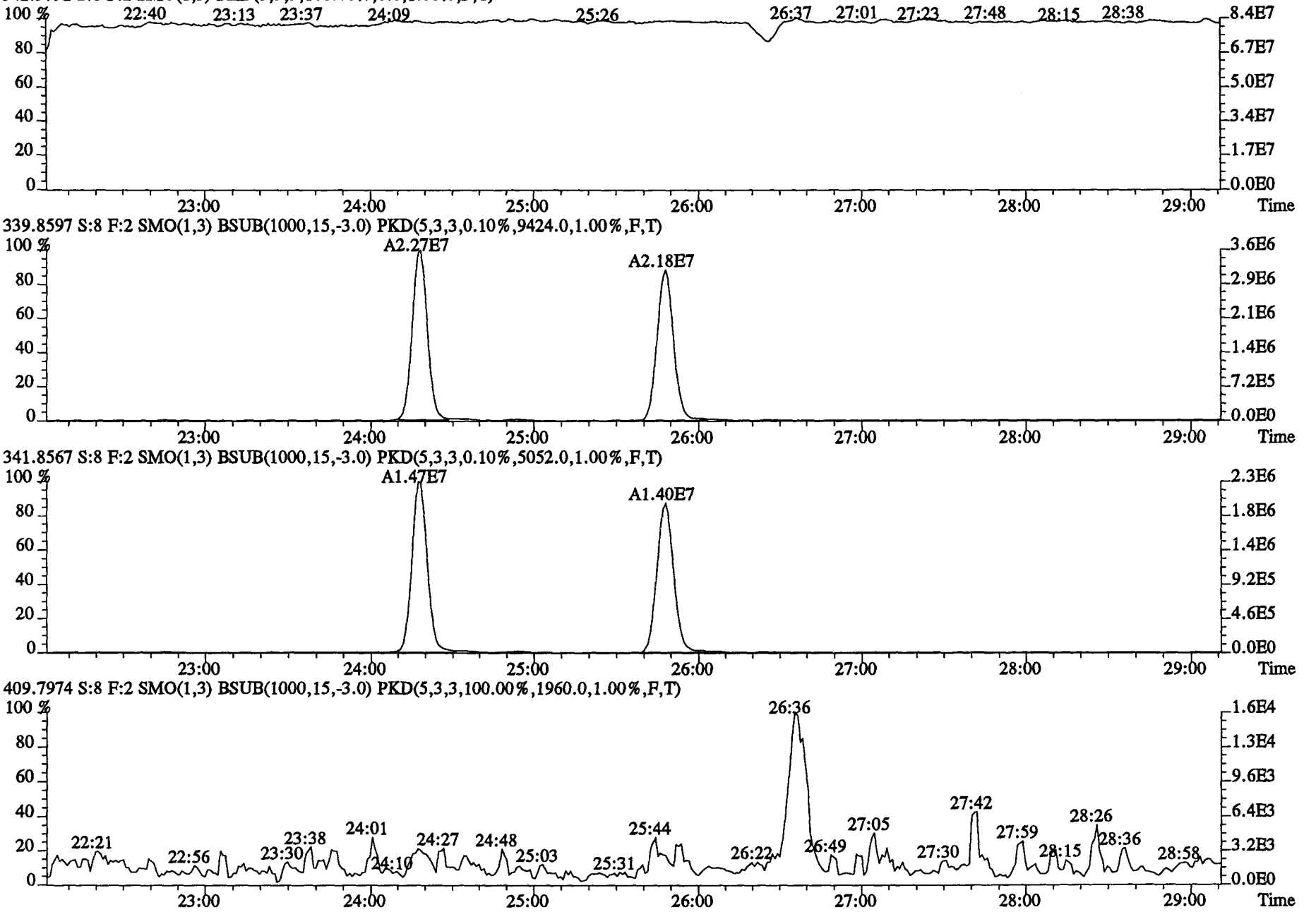
375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3444.0,1.00%,F,T)



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

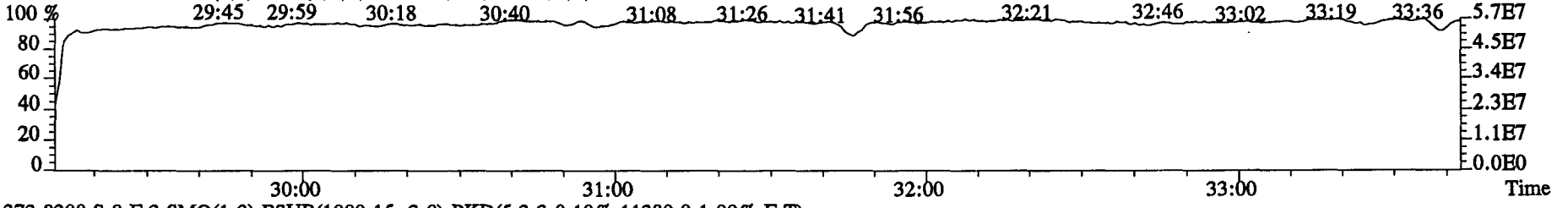


File:14DE10A9D5 #1-460 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES

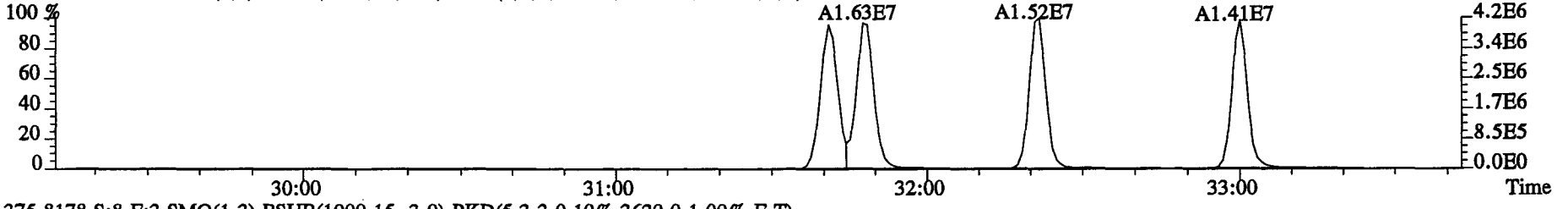


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES

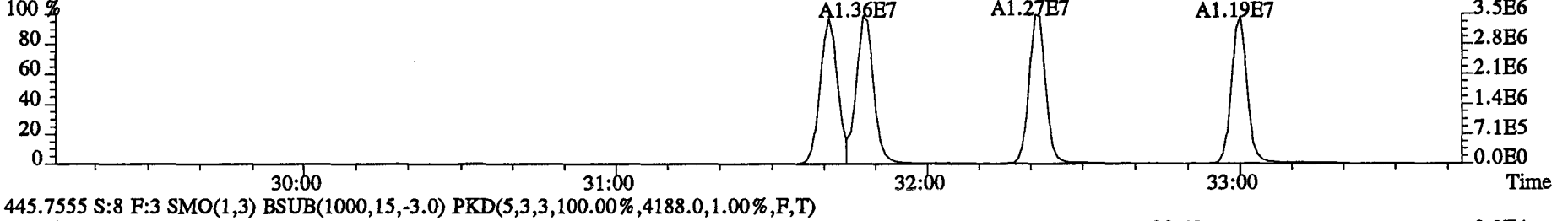
392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



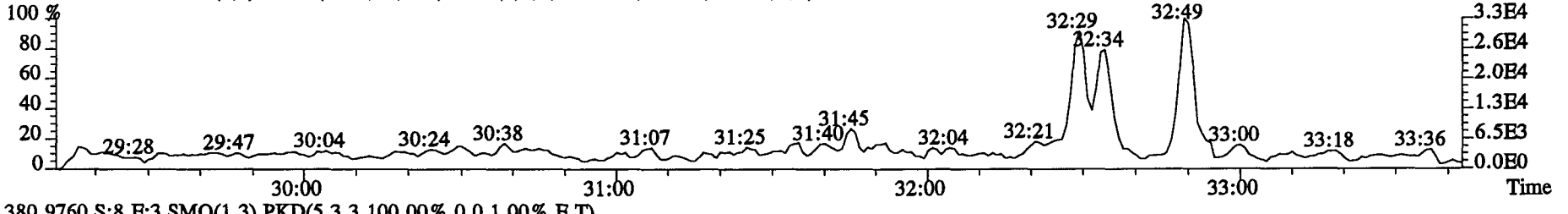
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11280.0,1.00%,F,T)



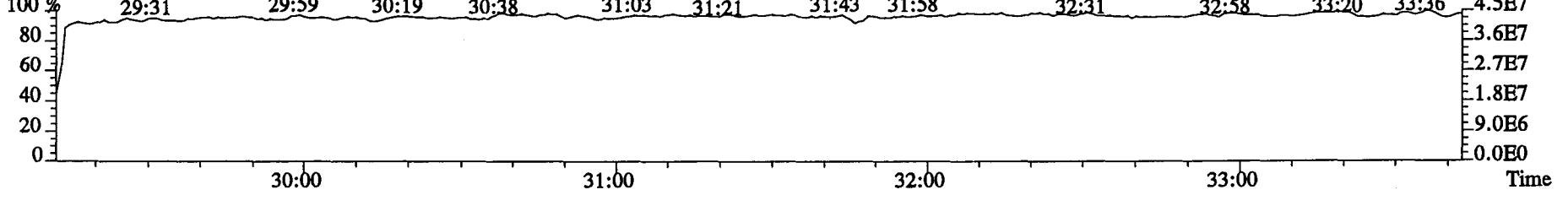
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3620.0,1.00%,F,T)



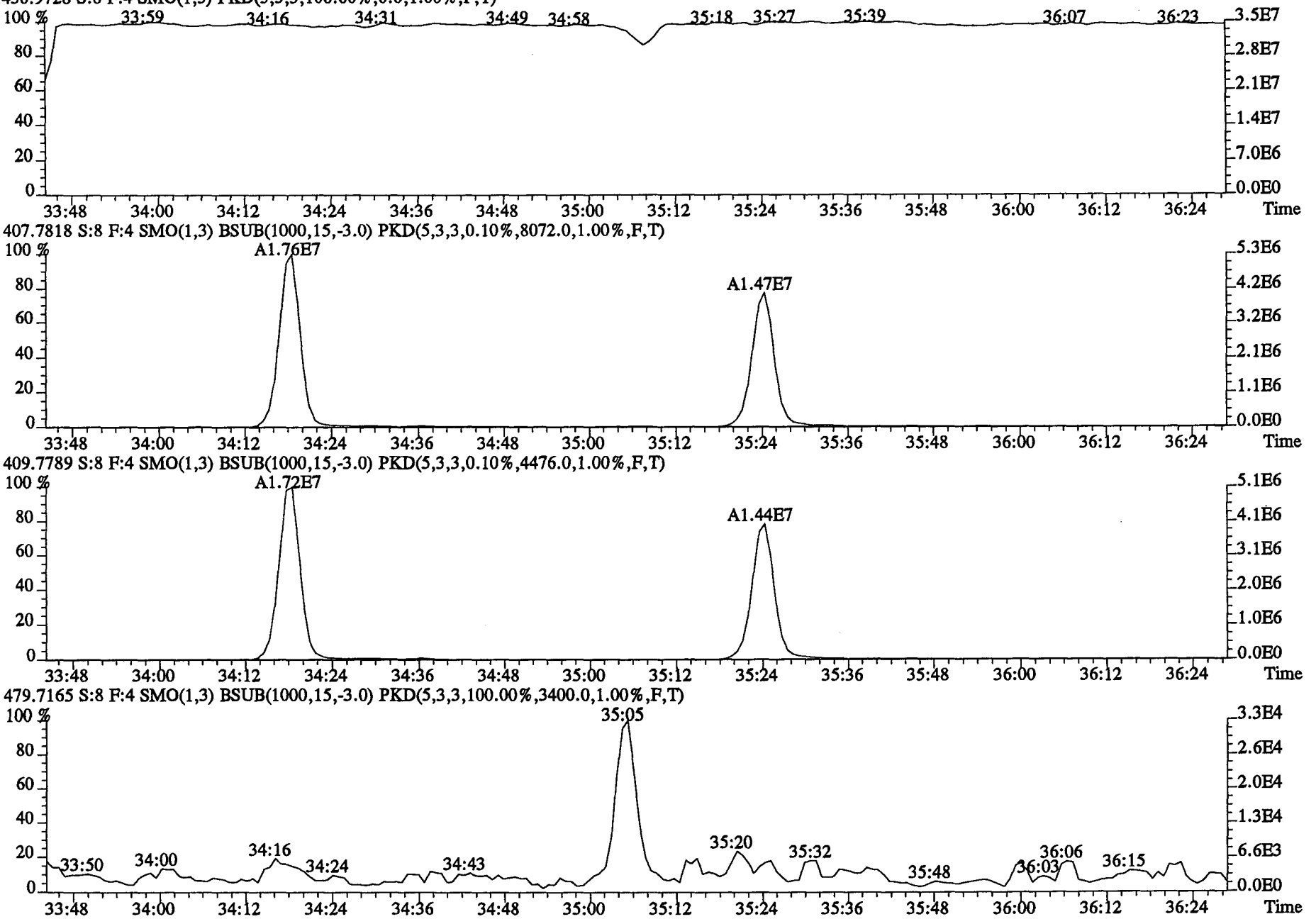
445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4188.0,1.00%,F,T)



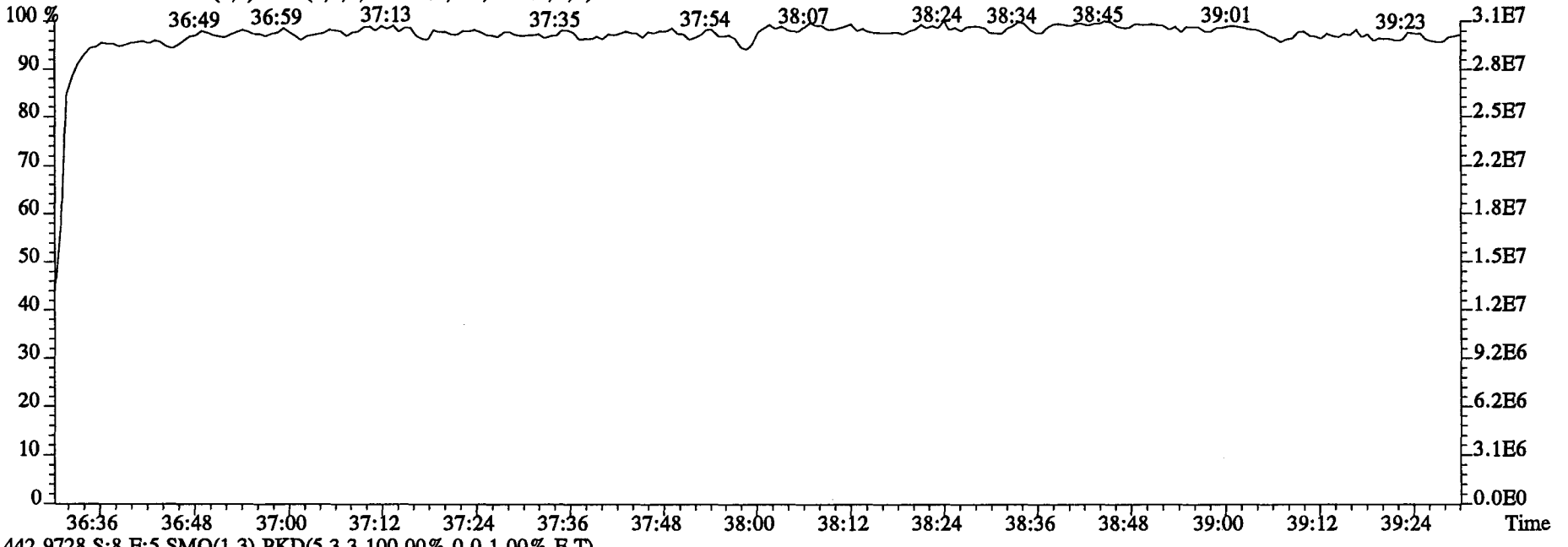
380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



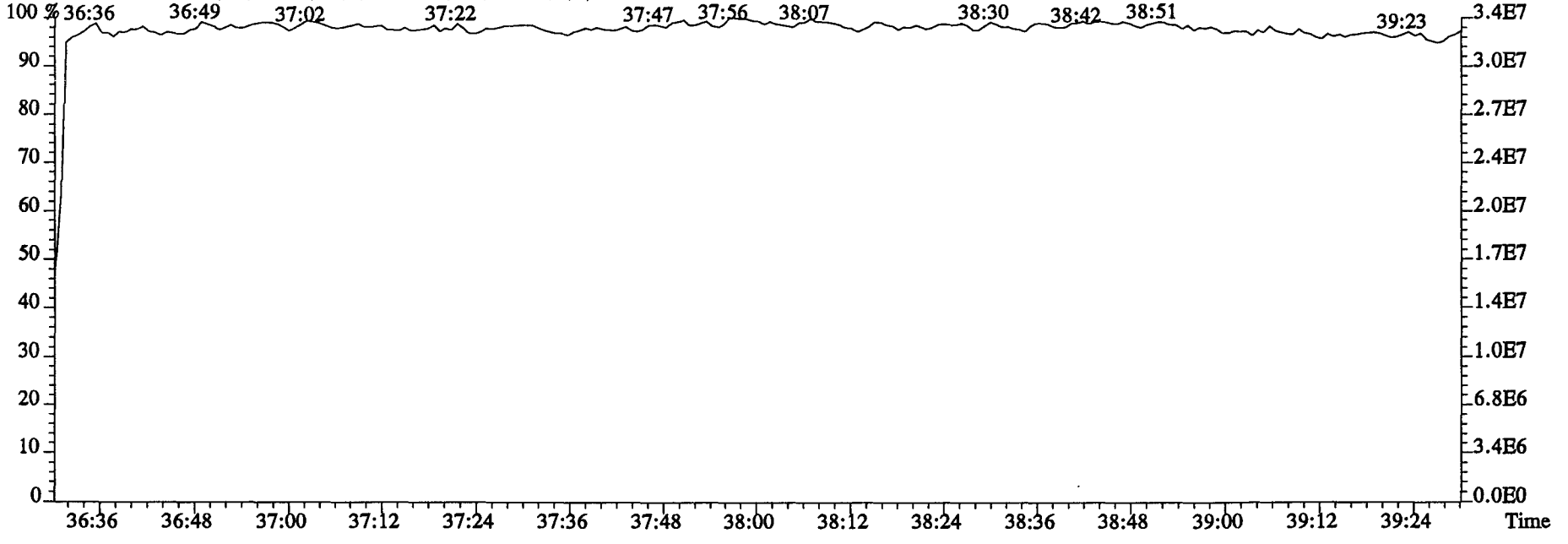
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES



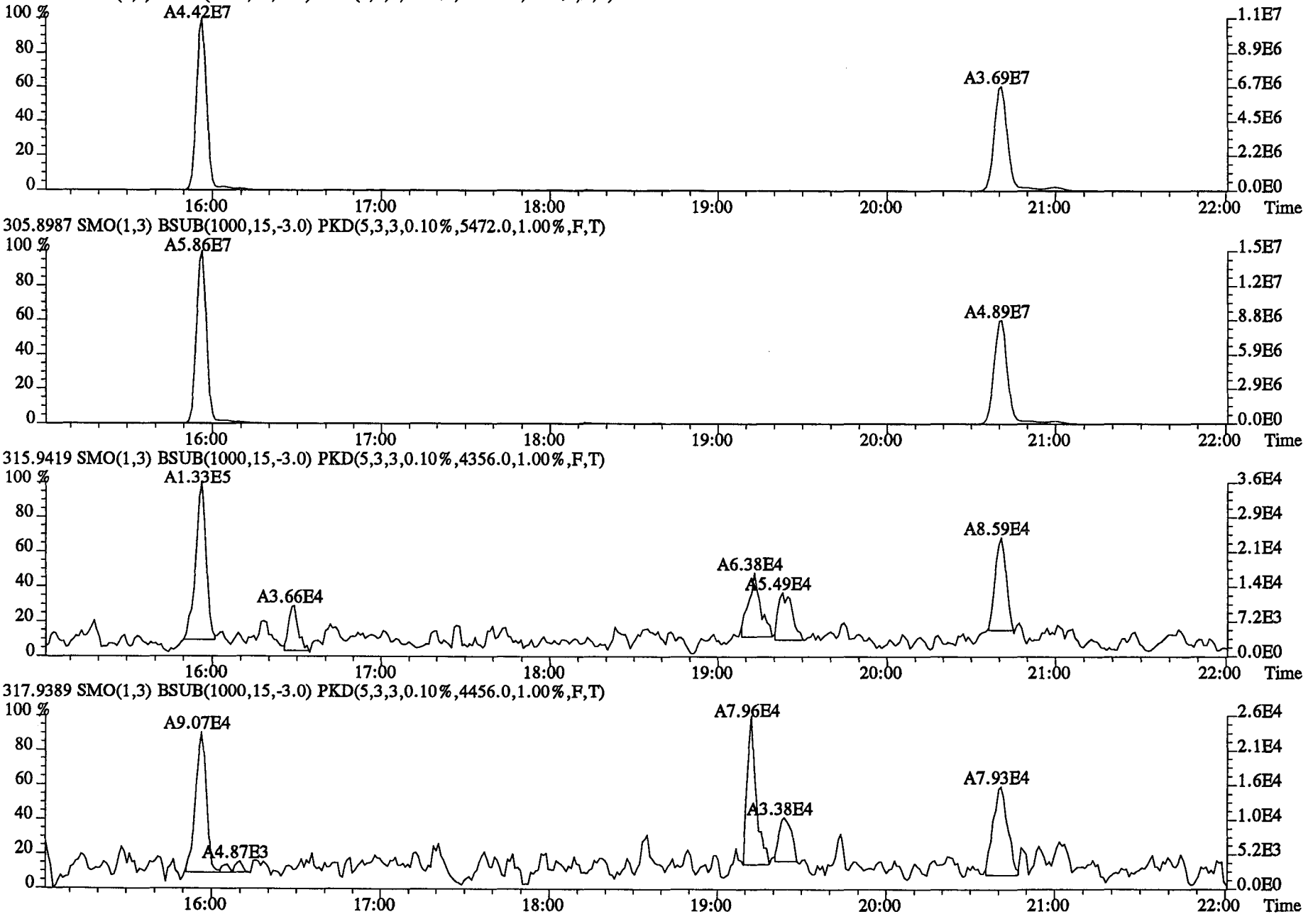
File:14DE10A9D5 #1-243 Acq:14-DEC-2010 20:05:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 Text:ST1214E :2nd Source 10DXN340 Exp:DIOXINRES
454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

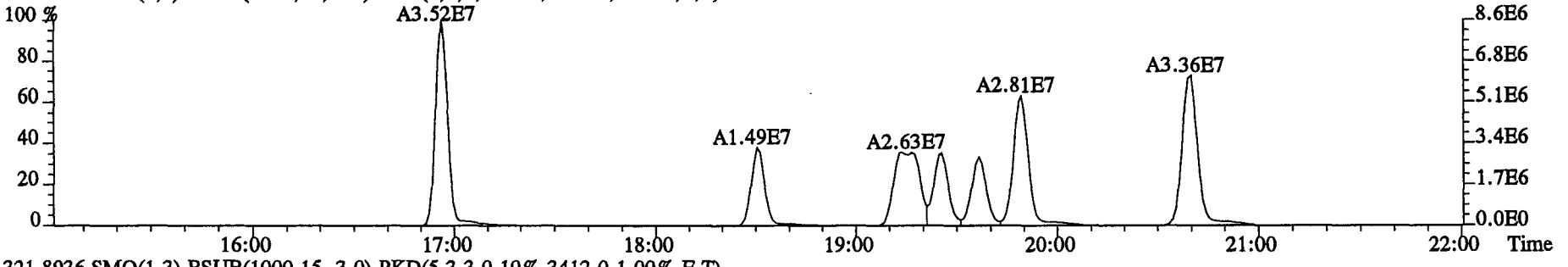


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES

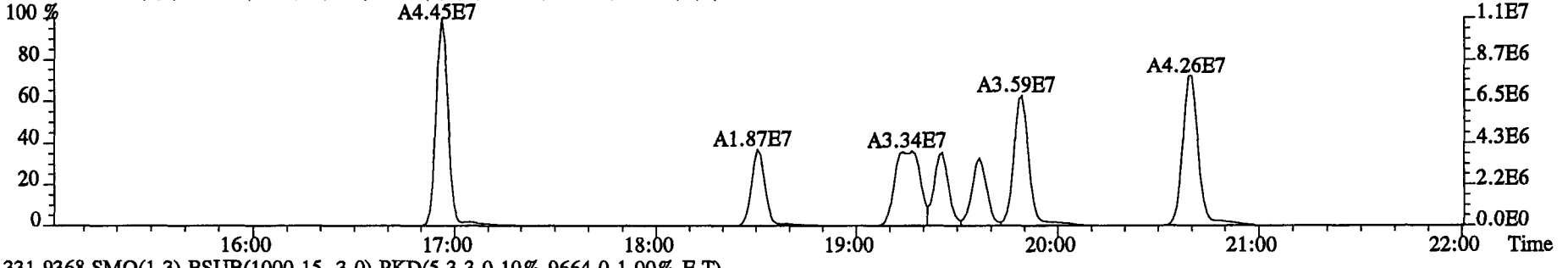


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES

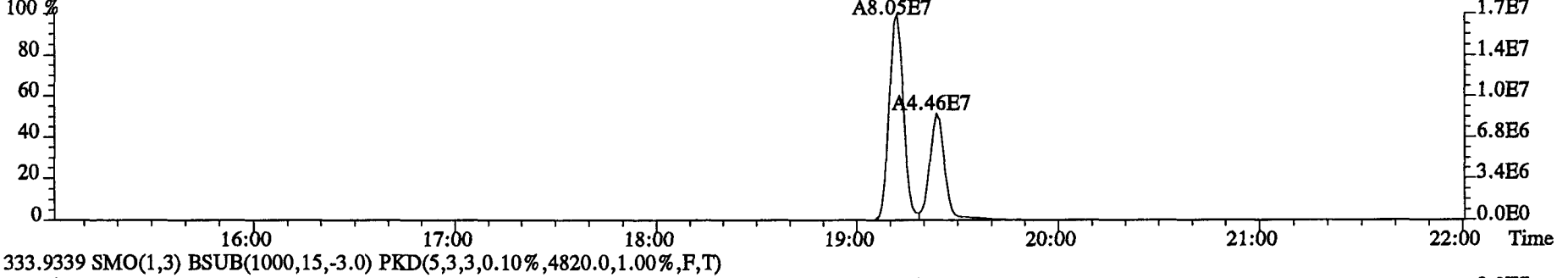
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4192.0,1.00%,F,T)



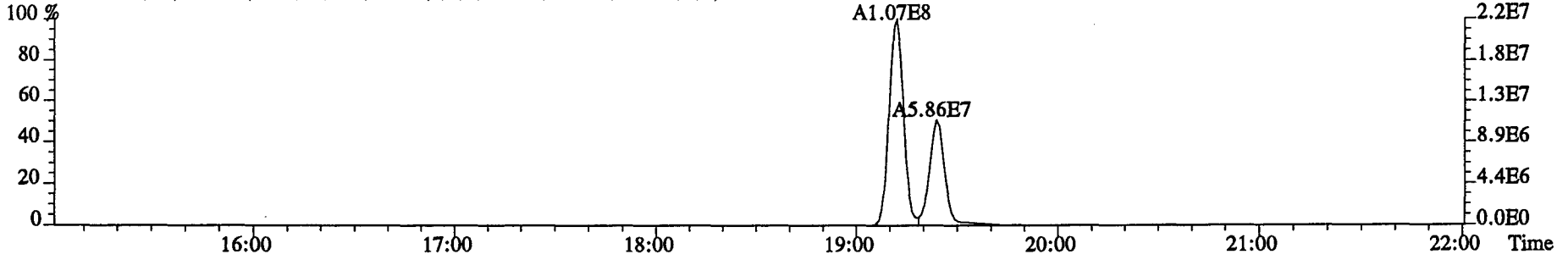
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3412.0,1.00%,F,T)



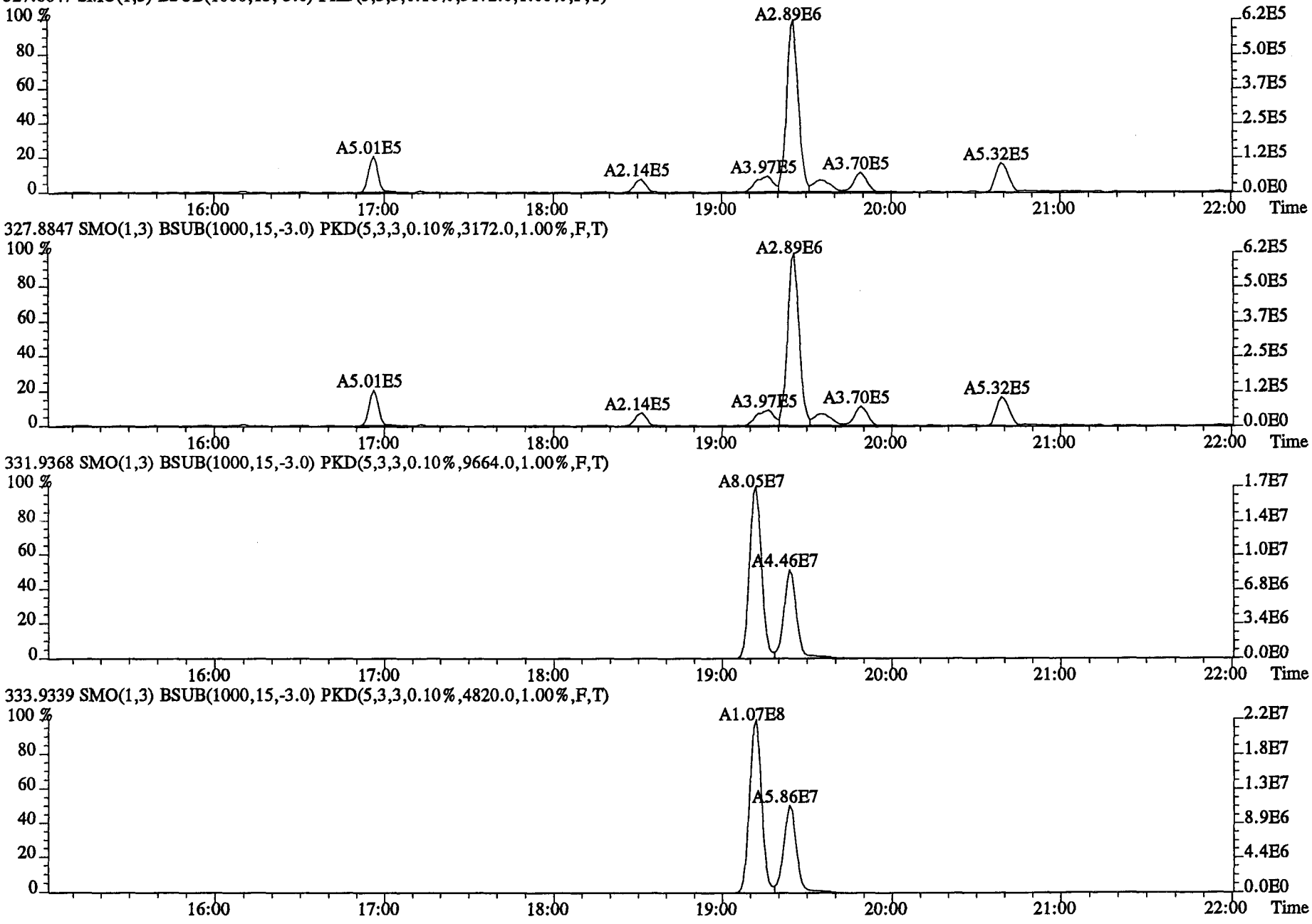
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9664.0,1.00%,F,T)



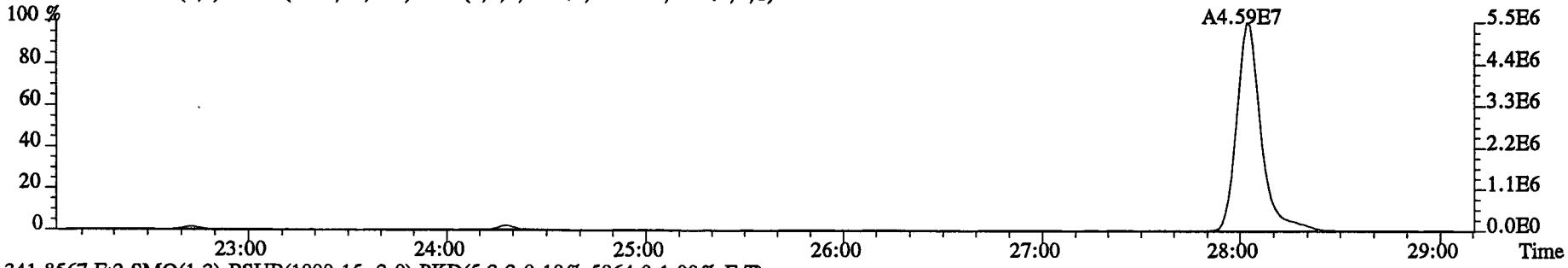
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4820.0,1.00%,F,T)



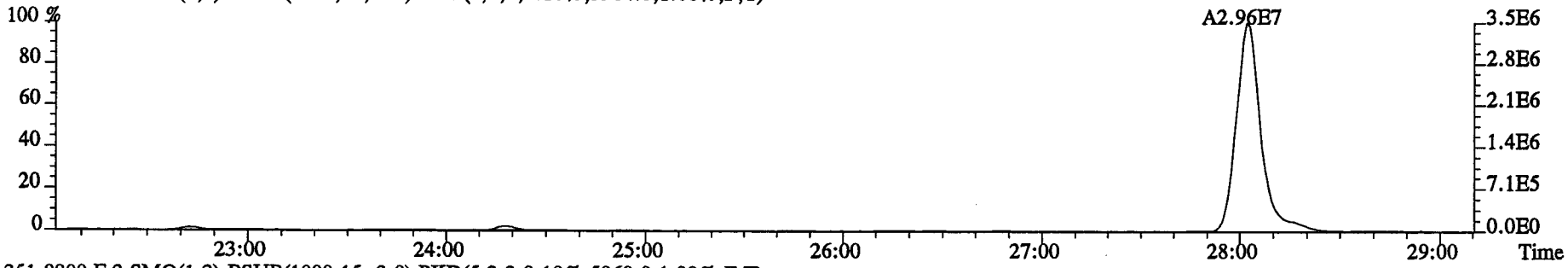
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES



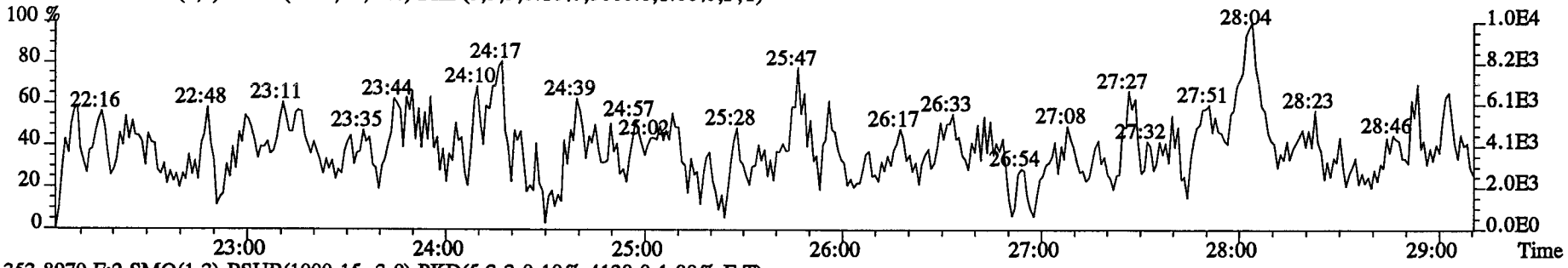
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12572.0,1.00%,F,T)



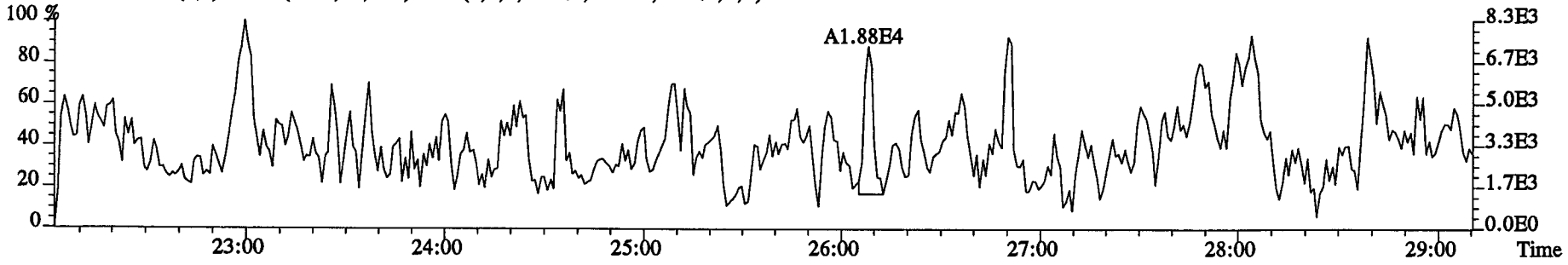
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5964.0,1.00%,F,T)



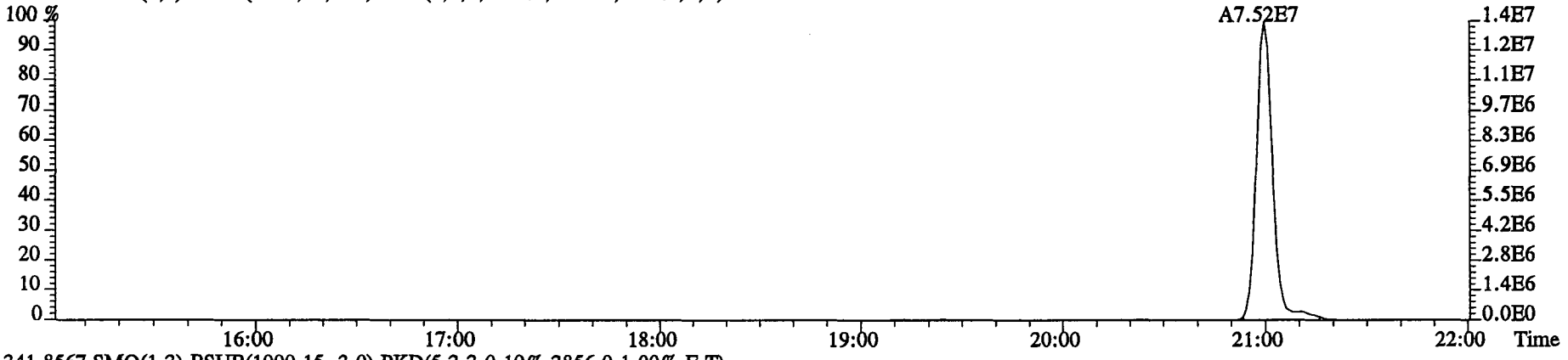
351.9000 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5060.0,1.00%,F,T)



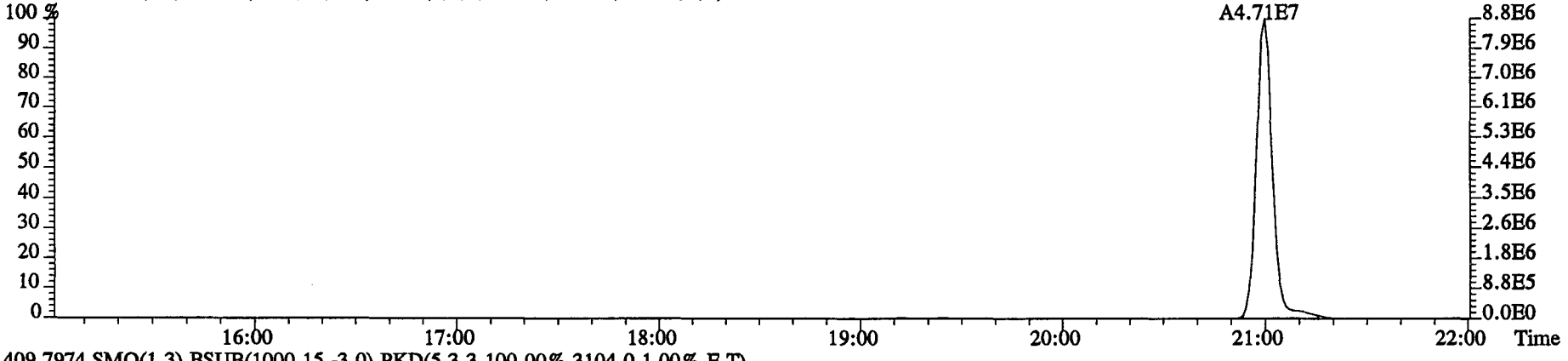
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4128.0,1.00%,F,T)



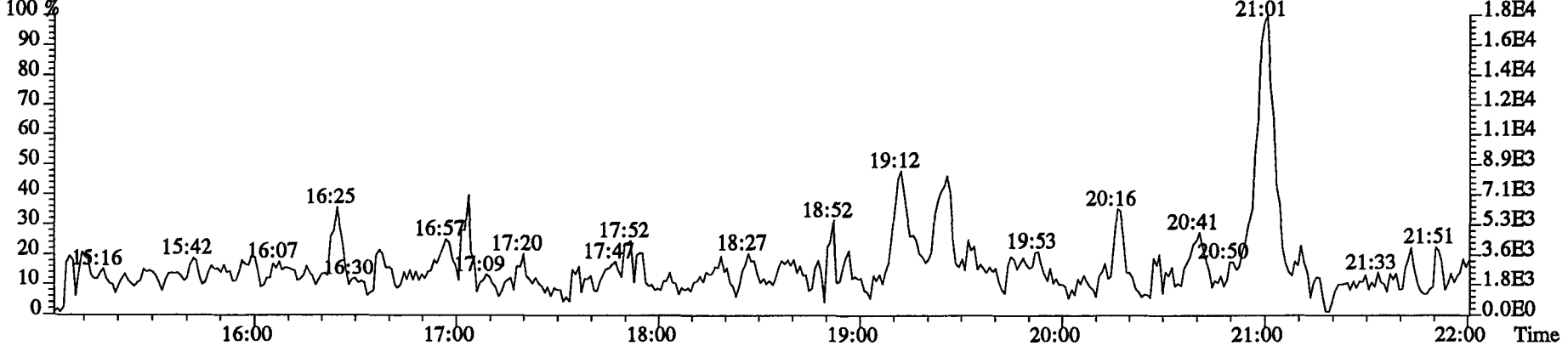
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES
339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3648.0,1.00%,F,T)



341.8567 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3856.0,1.00%,F,T)

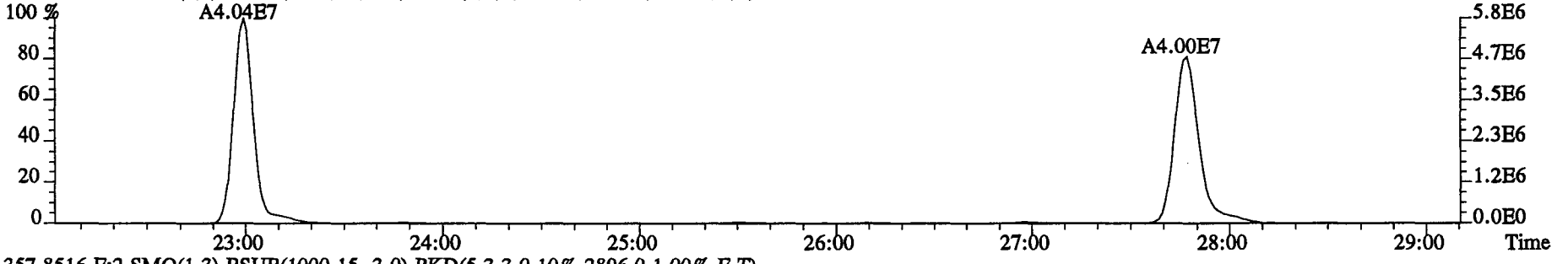


409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3104.0,1.00%,F,T)

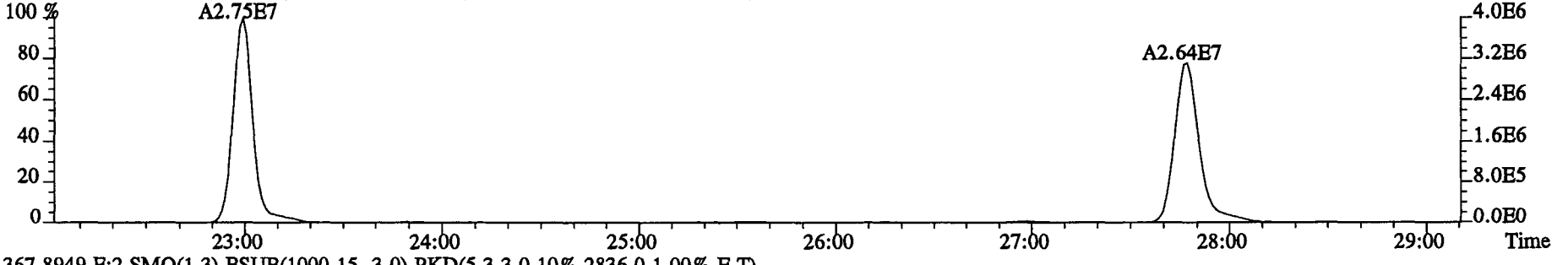


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES

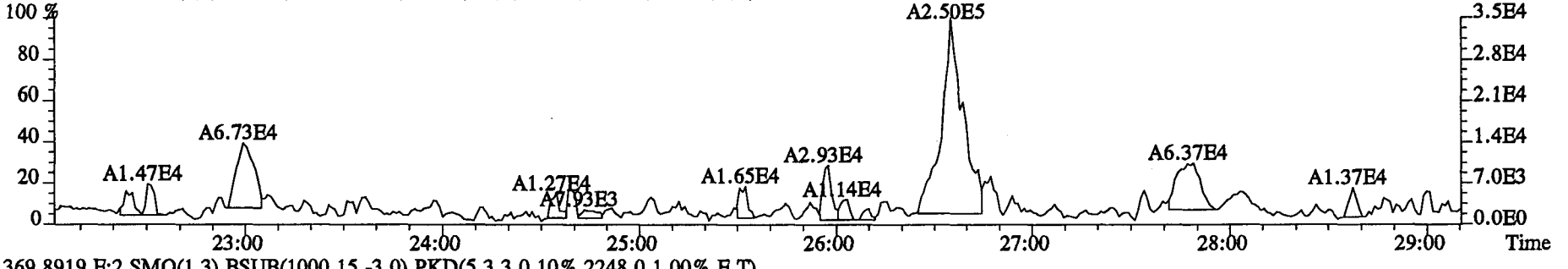
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4500.0,1.00%,F,T)



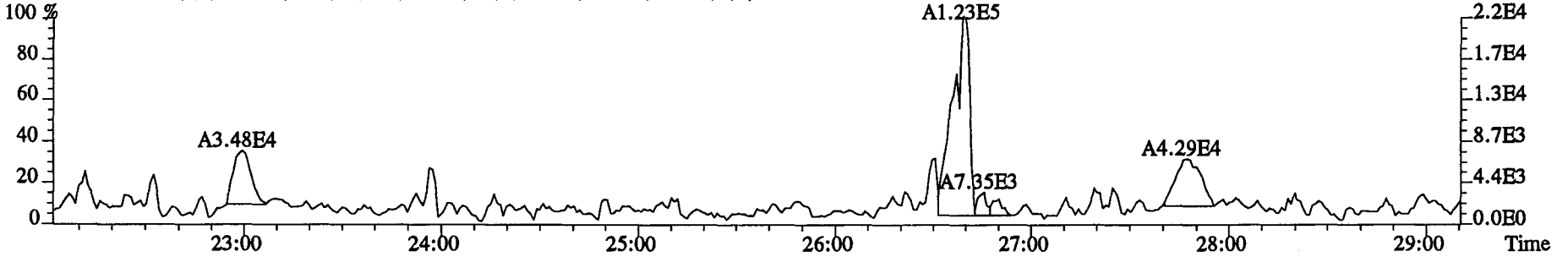
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2896.0,1.00%,F,T)



367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836.0,1.00%,F,T)

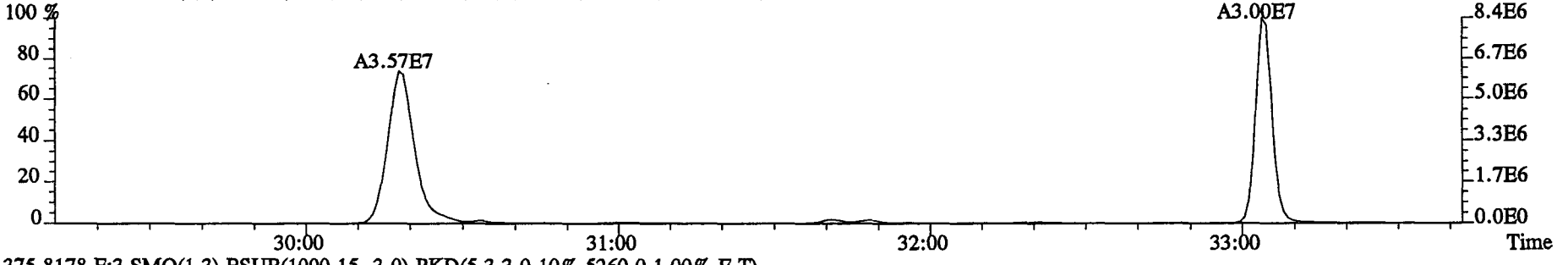


369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2248.0,1.00%,F,T)

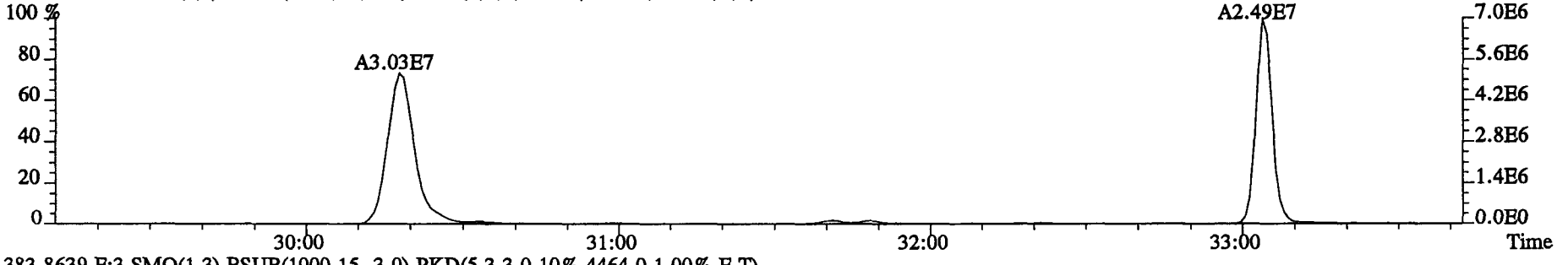


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES

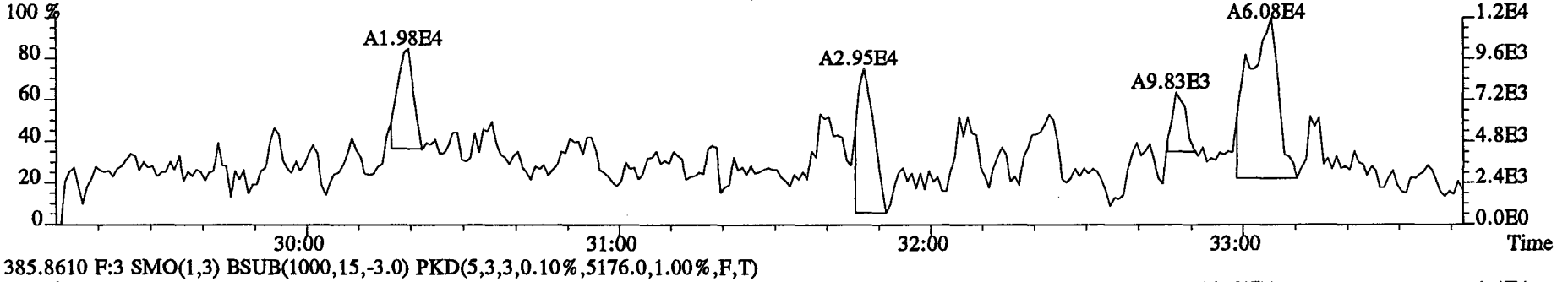
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11508.0,1.00%,F,T)



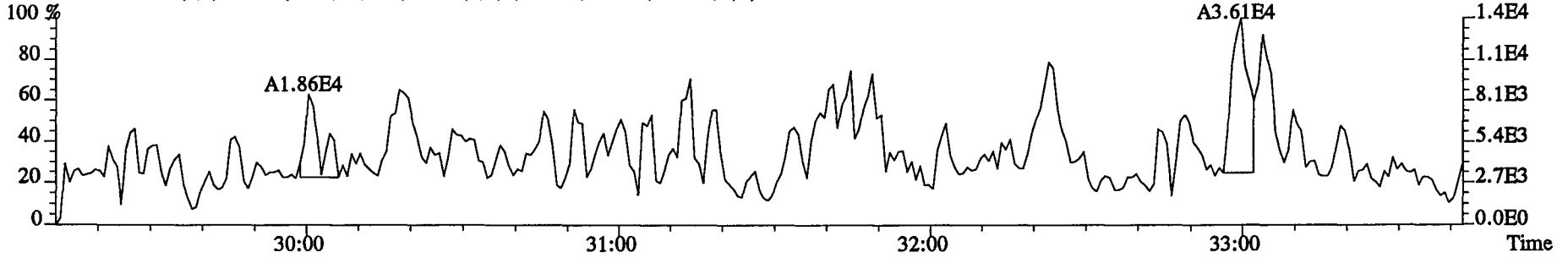
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5260.0,1.00%,F,T)



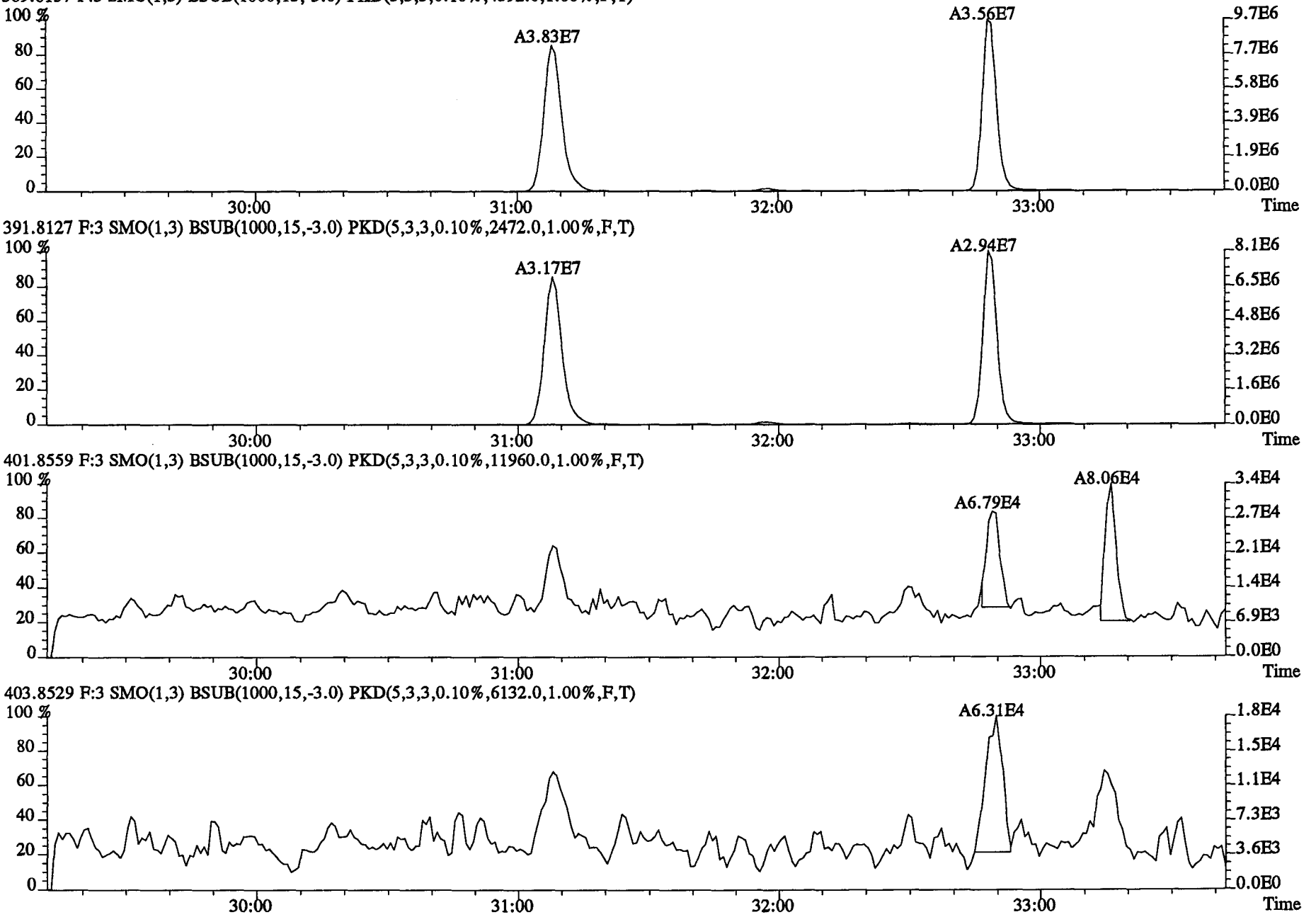
383.8639 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4464.0,1.00%,F,T)



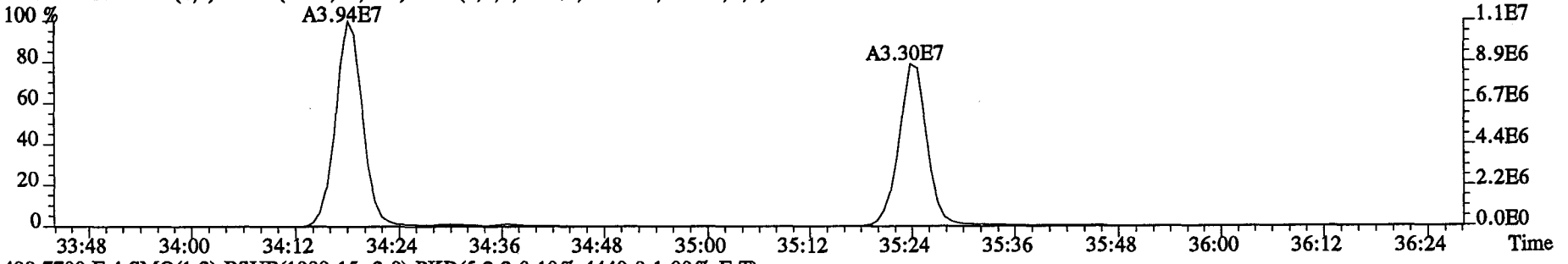
385.8610 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5176.0,1.00%,F,T)



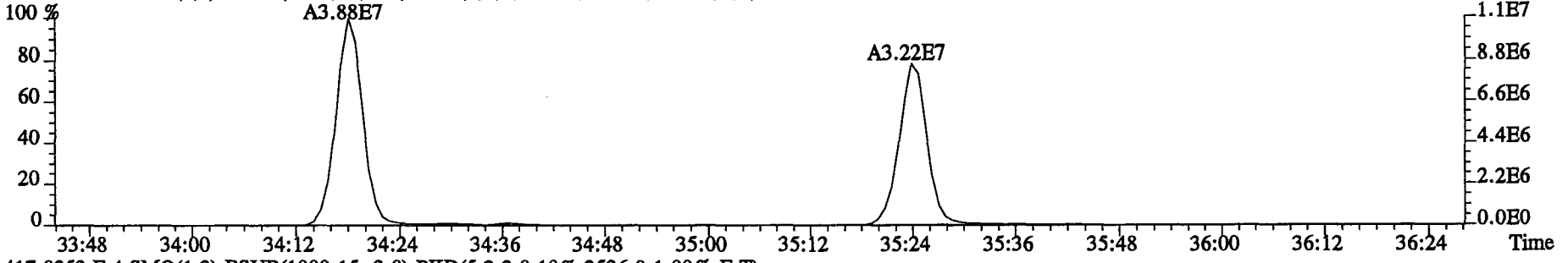
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES



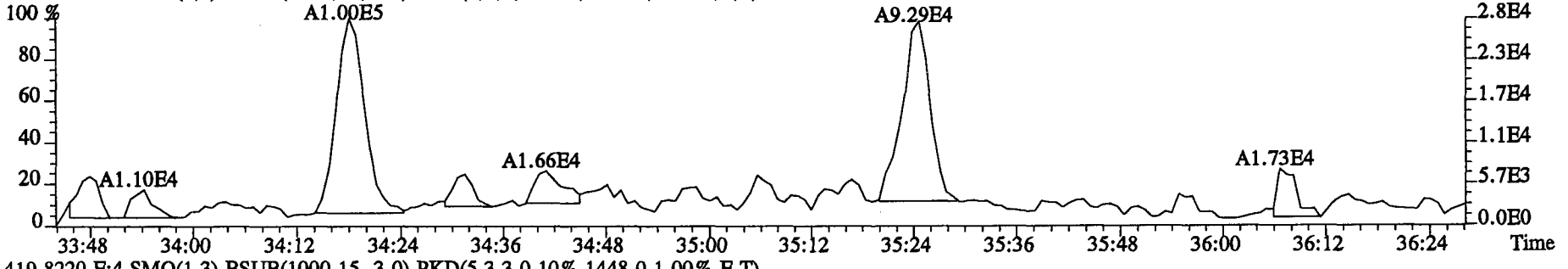
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10764.0,1.00%,F,T)



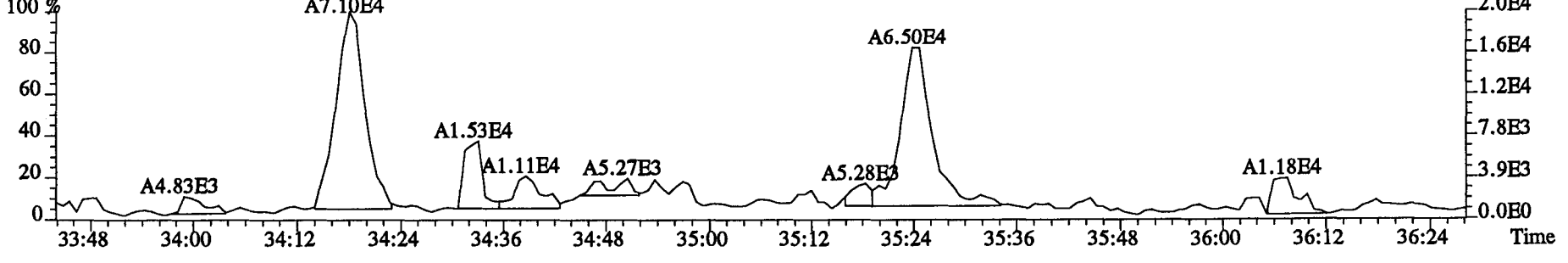
409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4440.0,1.00%,F,T)



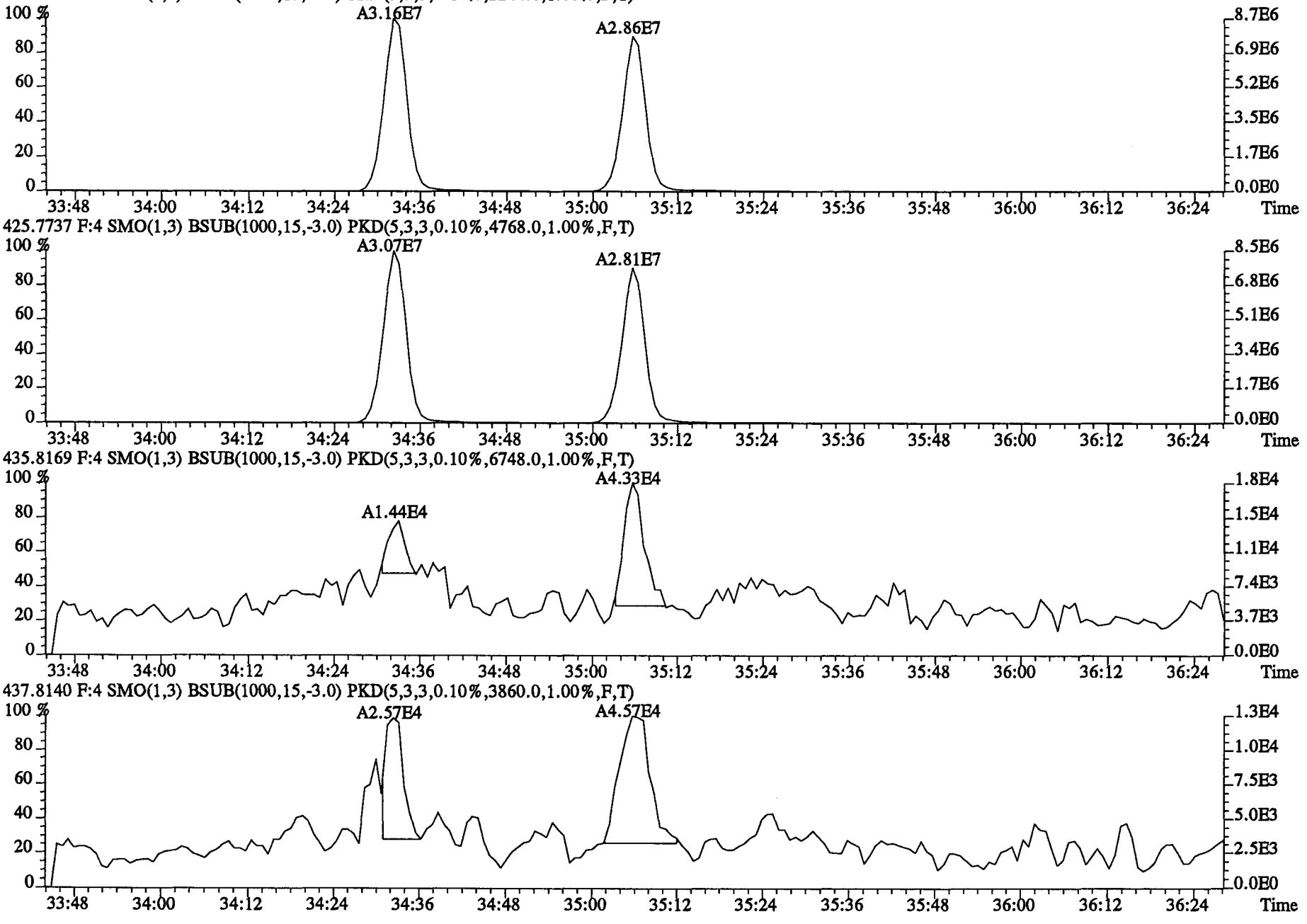
417.8253 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3536.0,1.00%,F,T)



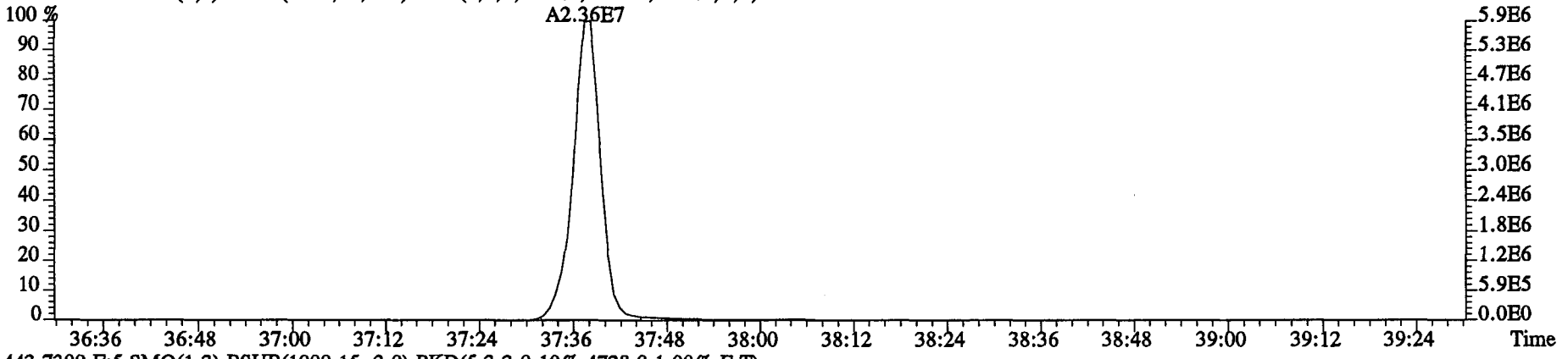
419.8220 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1448.0,1.00%,F,T)



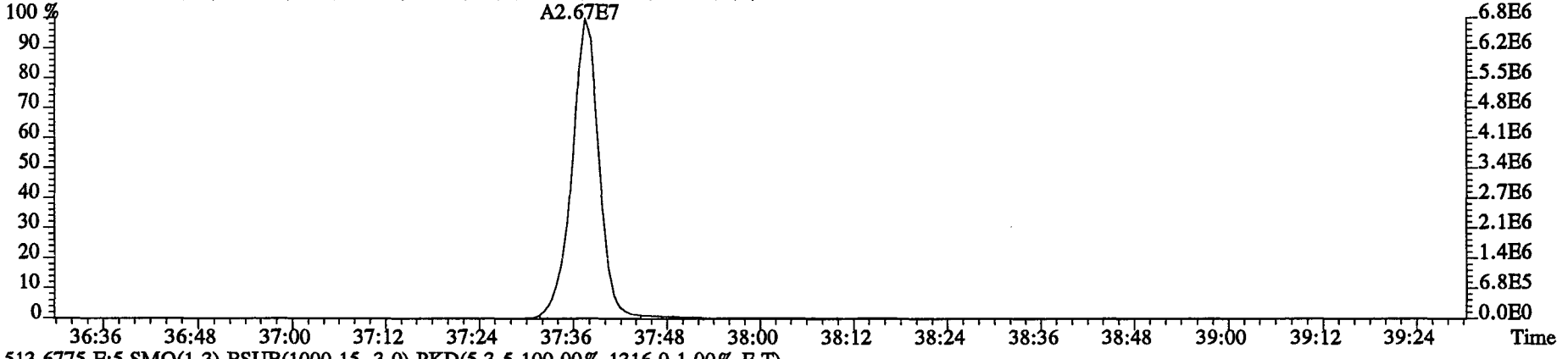
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES



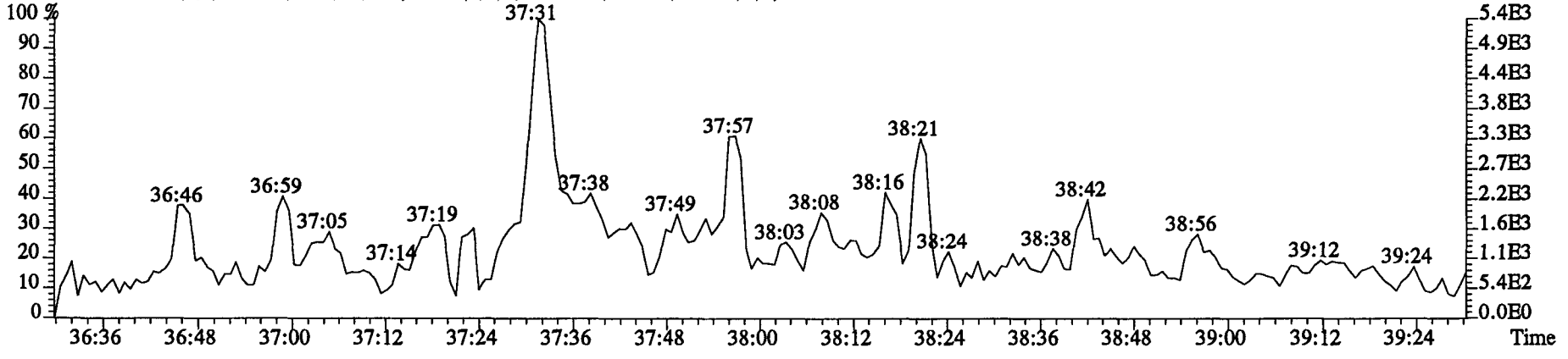
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2660.0,1.00%,F,T)



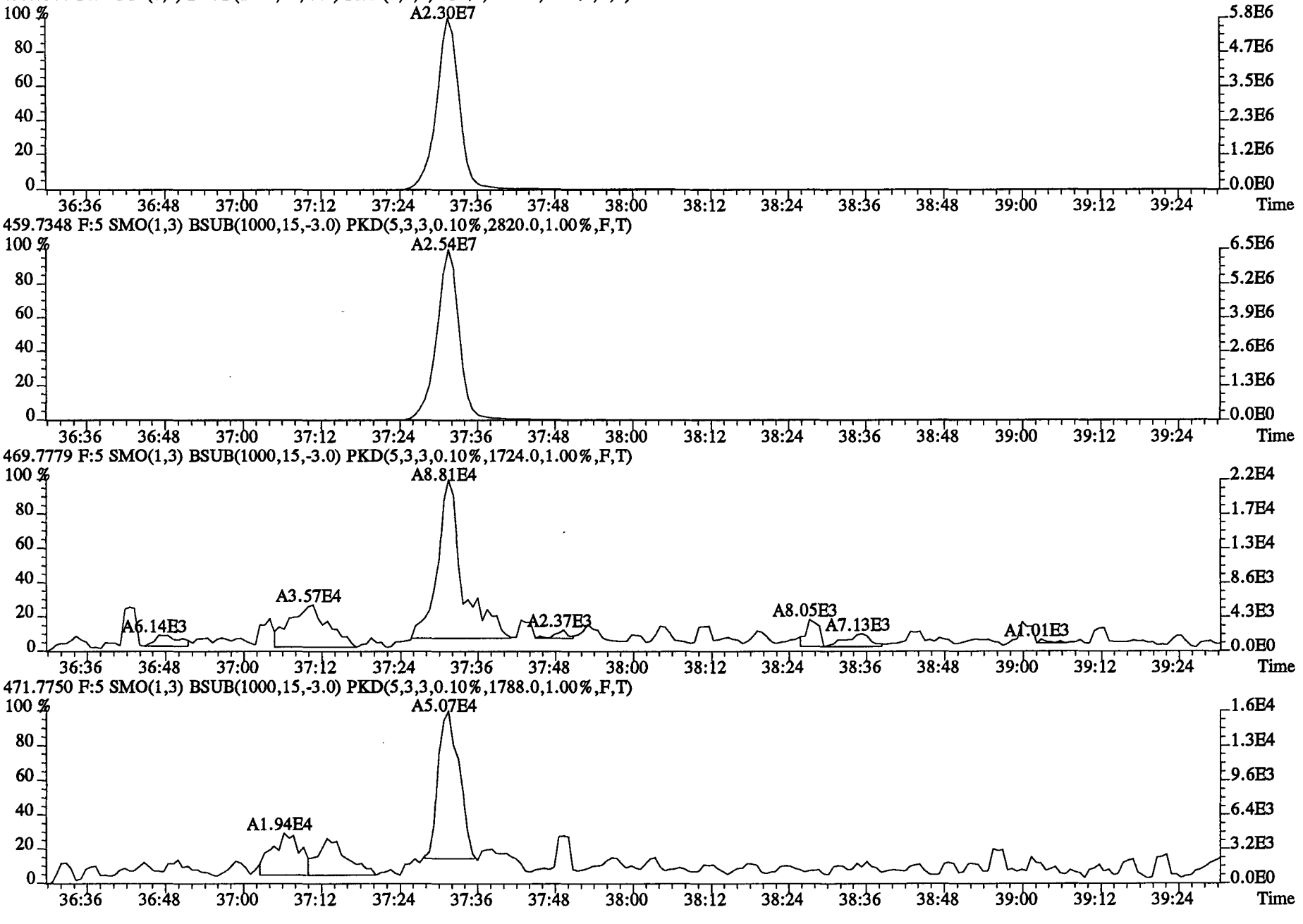
443.7399 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4728.0,1.00%,F,T)



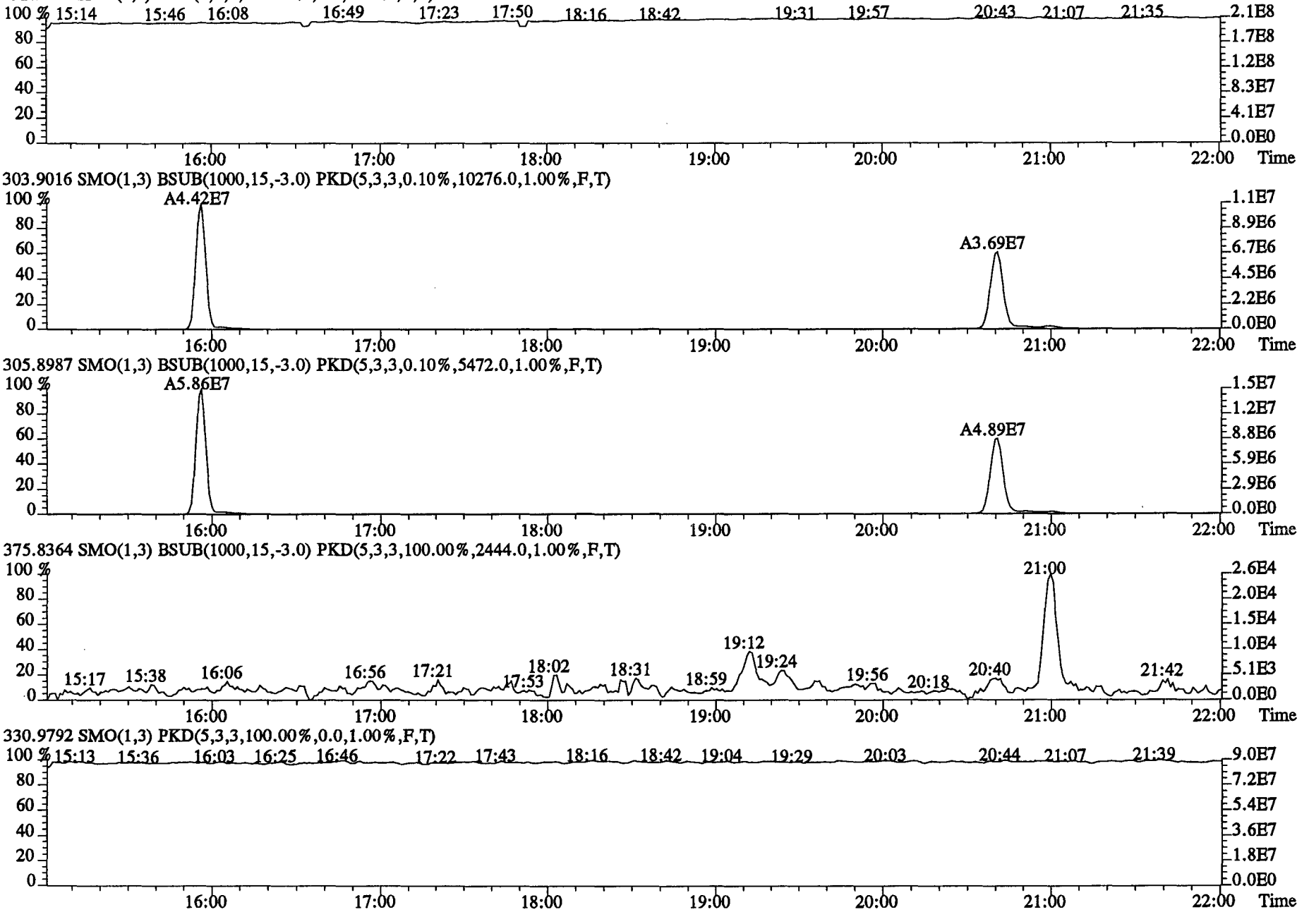
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1316.0,1.00%,F,T)



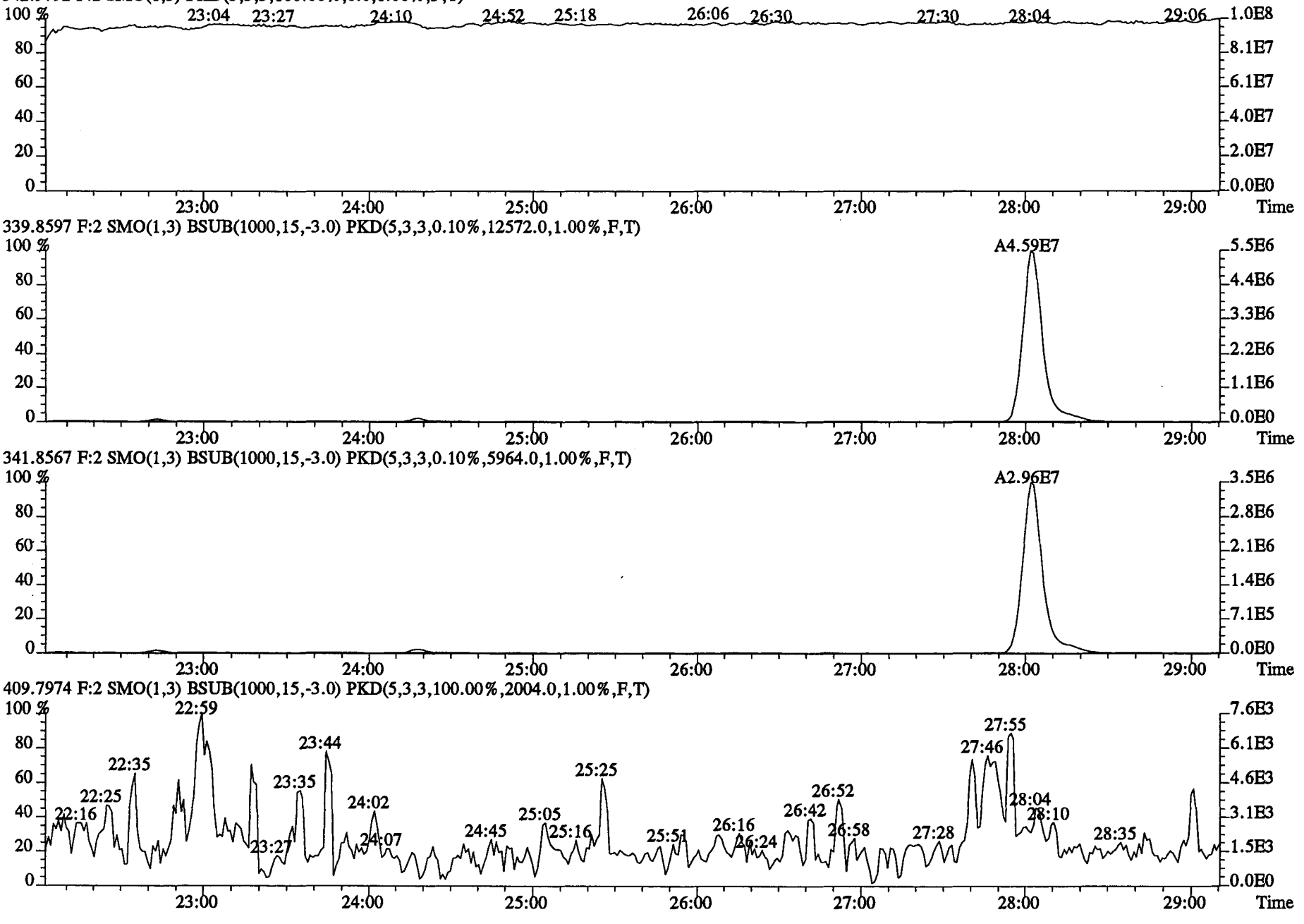
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES



File:14DE10A9D5 #1-464 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES

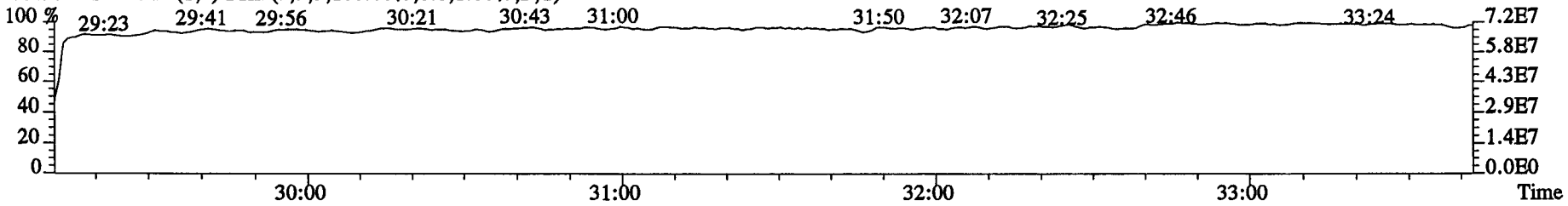


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES

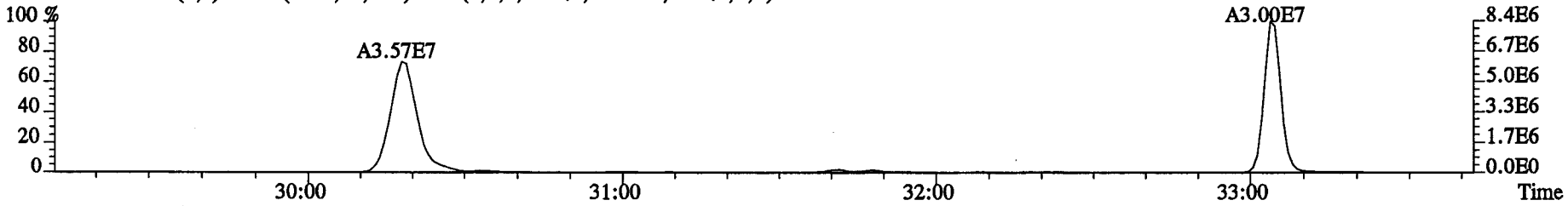


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES

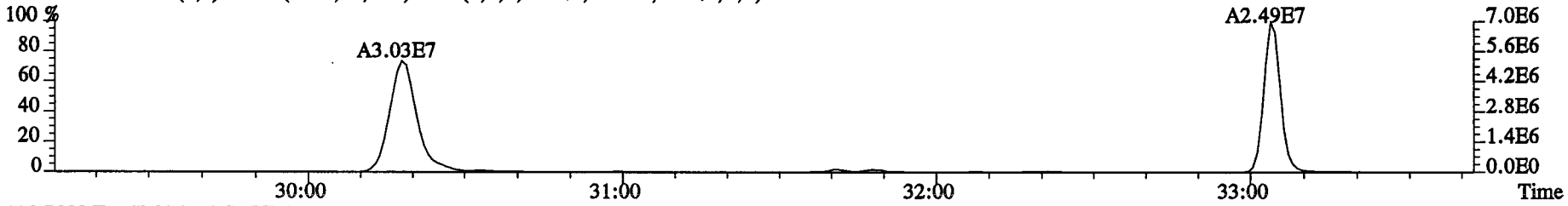
392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



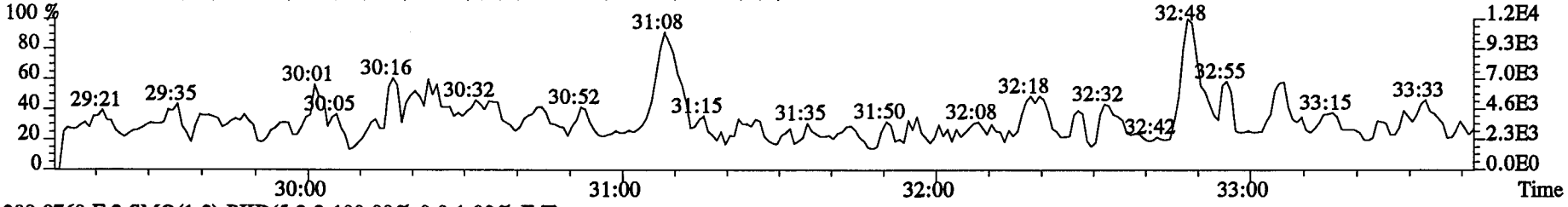
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11508.0,1.00%,F,T)



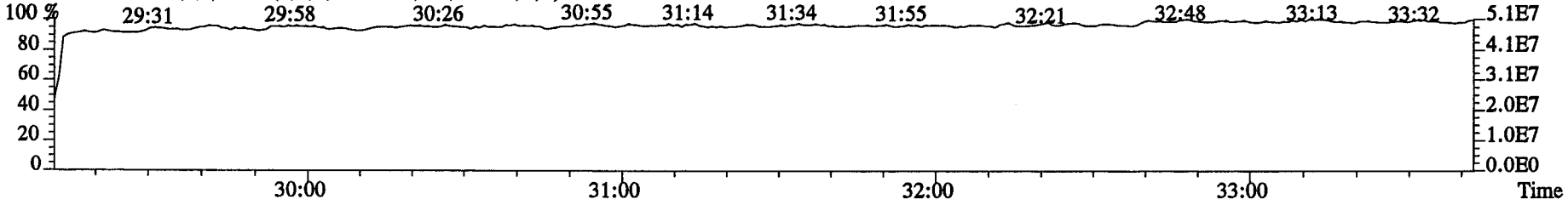
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5260.0,1.00%,F,T)



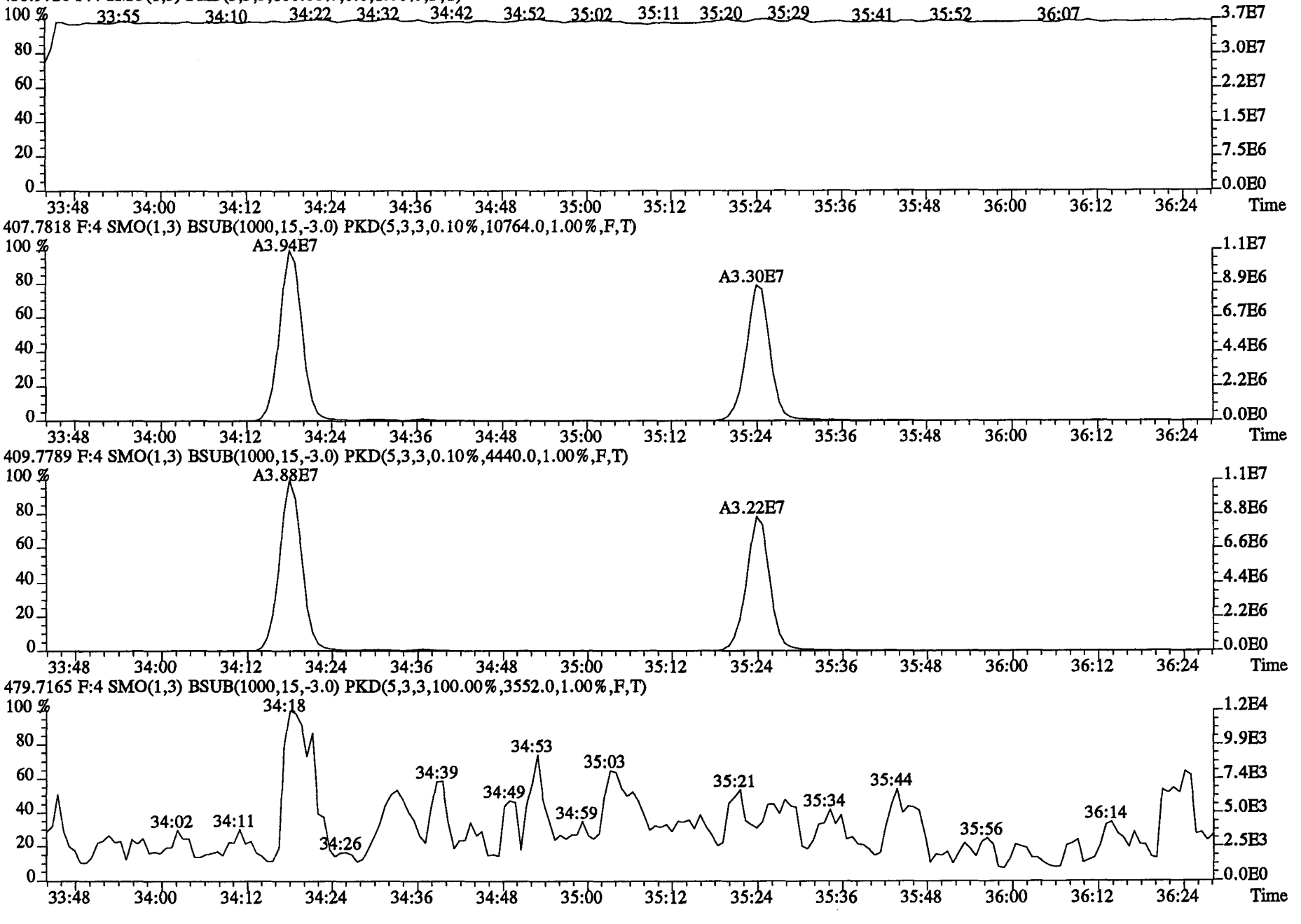
445.7555 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4416.0,1.00%,F,T)



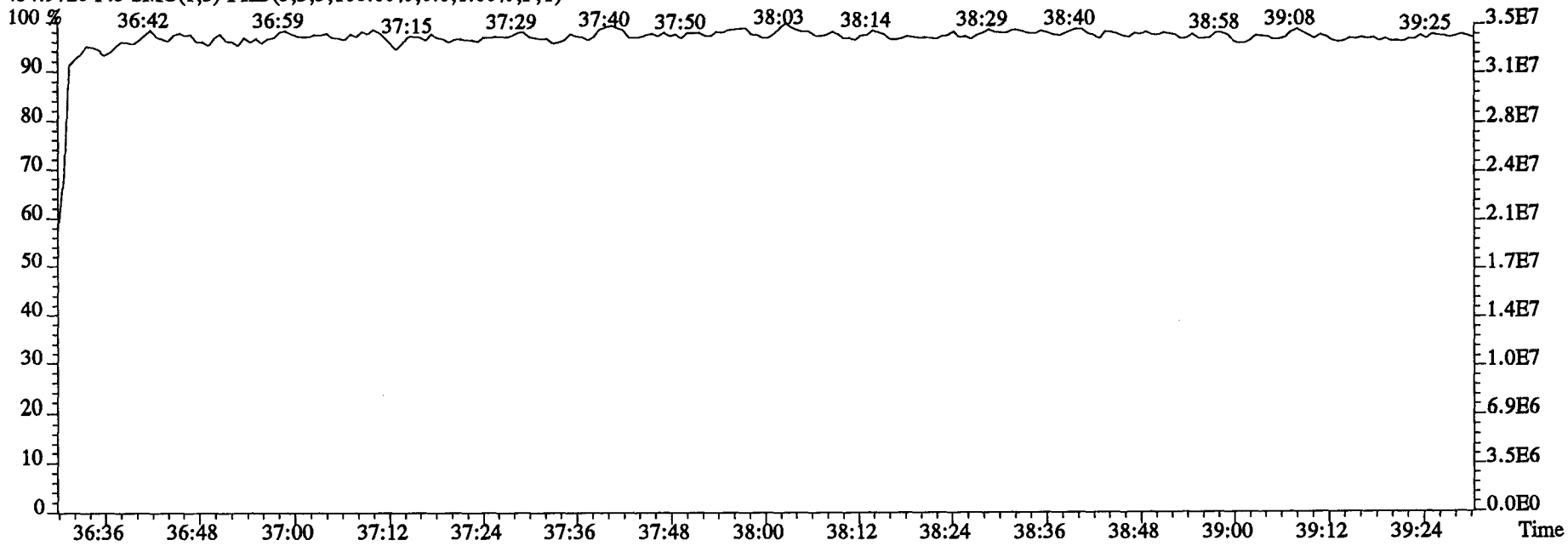
380.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



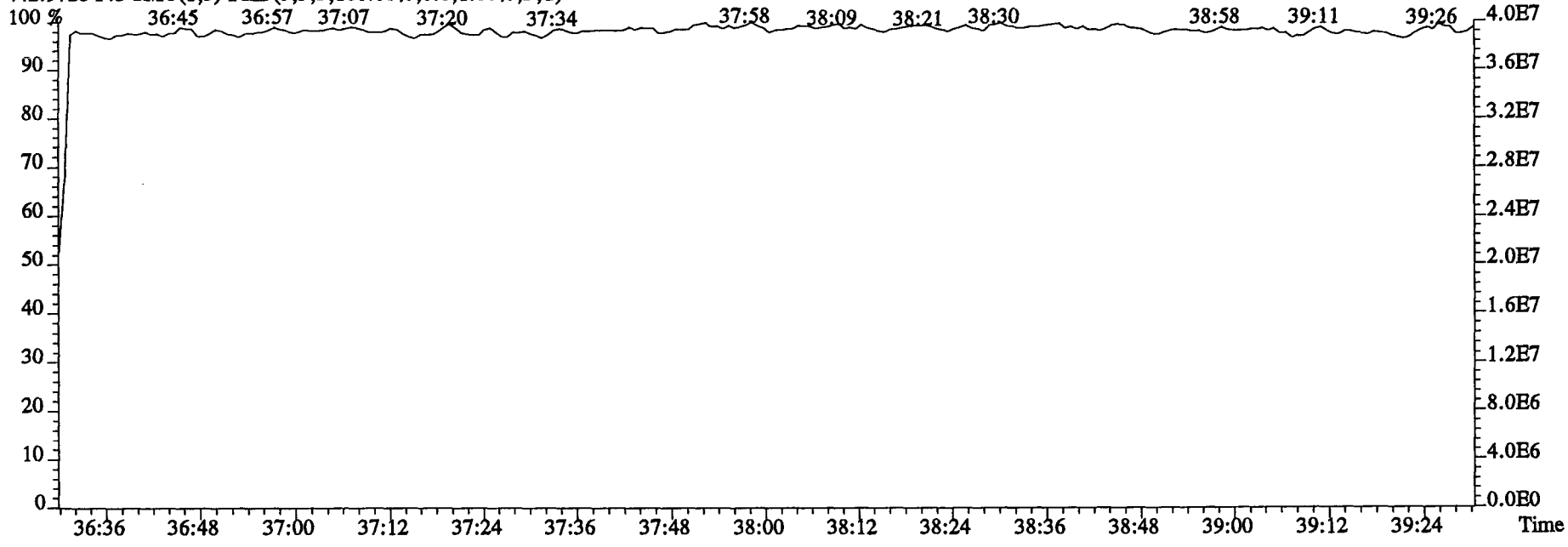
File:14DE10A9D5 #1-208 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES



File:14DE10A9D5 #1-244 Acq:14-DEC-2010 14:51:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 Text:CP1214 :DB-5 CPSM 3732-08 Exp:DIOXINRES
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



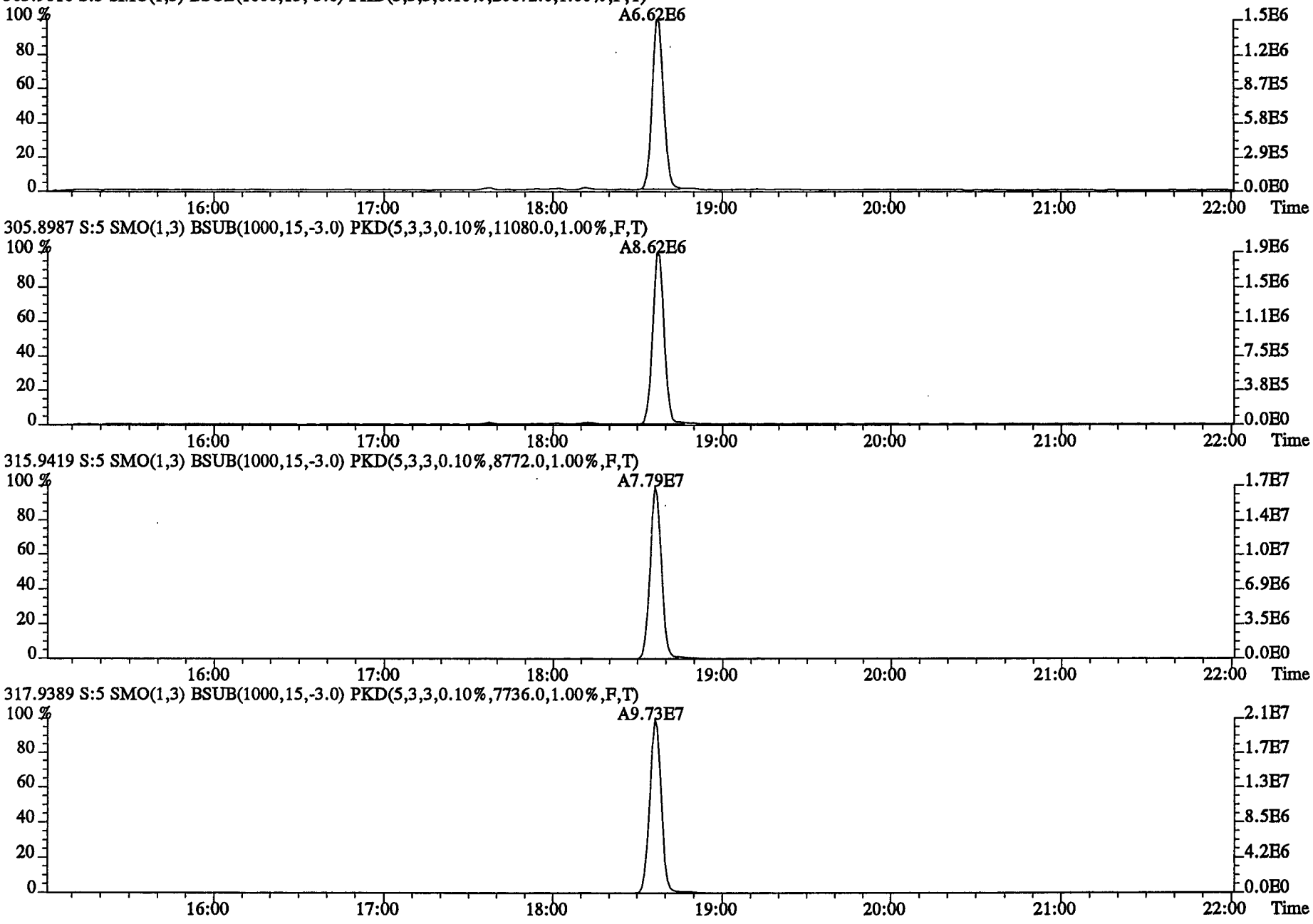
442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: ST1214B File text: ST1214B :CS-3 10DXN505
Run #13 Filename 14DE10A9D5 S: 5 I: 1
Acquired: 14-DEC-10 17:51:03 Processed: 17-DEC-10 11:59:54
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9D5TO9

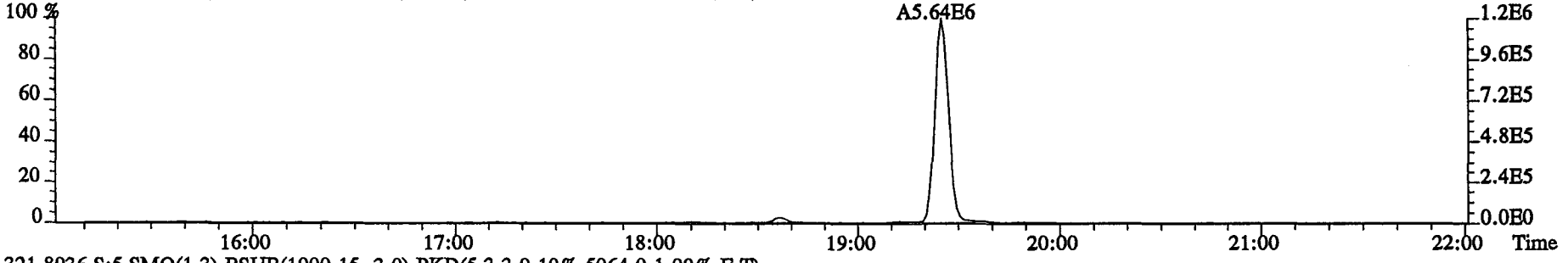
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	153544708	0.76 y	19:12	-	100.00	-	n
13C-2,3,7,8-TCDF	175136208	0.80 y	18:36	1.14	100.00	2.4	n
2,3,7,8-TCDF	15246559	0.77 y	18:37	0.87	10.00	-1.4	n
Total TCDF	15246559	0.77 y	18:37	0.87	10.00	-1.4	n
13C-2,3,7,8-TCDD	154919688	0.76 y	19:24	1.01	100.00	3.8	n
2,3,7,8-TCDD	12747843	0.79 y	19:25	0.82	10.00	-5.6	n
Total TCDD	12859993	2.35 n	18:36	0.82	10.00	-5.6	n
37Cl-2,3,7,8-TCDD	18731026	1.00 y	19:25	1.21	10.00	-1.2	n
13C-1,2,3,7,8-PeCDF	142893180	1.51 y	24:15	0.93	100.00	1.0	n
1,2,3,7,8-PeCDF	74285696	1.57 y	24:17	1.04	50.00	-2.3	n
2,3,4,7,8-PeCDF	71269202	1.53 y	25:47	1.00	50.00	-2.9	n
Total F2 PeCDF	146905263	1.49 y	22:45	1.02	100.00	-2.6	n
Total F1 PeCDF	186368	3.33 n	19:12	1.02	100.00	-2.6	n
13C-1,2,3,7,8-PeCDD	128940420	1.55 y	26:35	0.84	100.00	1.2	n
1,2,3,7,8-PeCDD	49701644	1.50 y	26:37	0.77	50.00	-2.8	n
Total PeCDD	49960724	2.19 n	24:17	0.77	50.00	-2.8	n
13C-1,2,3,7,8,9-HxCDD	95981916	1.30 y	32:49	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	109990824	0.51 y	31:40	1.15	100.00	6.9	n
1,2,3,4,7,8-HxCDF	55100184	1.19 y	31:41	1.00	50.00	-5.7	n
1,2,3,6,7,8-HxCDF	59611778	1.20 y	31:47	1.08	50.00	-3.4	n
2,3,4,6,7,8-HxCDF	54989260	1.19 y	32:21	1.00	50.00	-4.6	n
1,2,3,7,8,9-HxCDF	49941522	1.21 y	32:60	0.91	50.00	-4.7	n
Total HxCDF	219875865	1.20 y	30:32	1.00	200.00	-4.6	n
13C-1,2,3,6,7,8-HxCDD	89815152	1.16 y	32:33	0.94	100.00	5.4	n
1,2,3,4,7,8-HxCDD	45634648	1.18 y	32:30	1.02	50.00	-8.7	n
1,2,3,6,7,8-HxCDD	52456362	1.20 y	32:34	1.17	50.00	0.8	n
1,2,3,7,8,9-HxCDD	52453712	1.19 y	32:50	1.17	50.00	-2.8	n
Total HxCDD	150753743	4.91 n	31:40	1.12	150.00	-3.5	n
13C-1,2,3,4,6,7,8-HpCDF	94758904	0.43 y	34:18	0.99	100.00	4.1	n
1,2,3,4,6,7,8-HpCDF	66091774	1.01 y	34:18	1.39	50.00	-2.8	n
1,2,3,4,7,8,9-HpCDF	56000382	1.02 y	35:24	1.18	50.00	-3.6	n
Total HpCDF	123525165	1.01 y	34:18	1.29	100.00	-3.2	n
13C-1,2,3,4,6,7,8-HpCDD	108127004	0.98 y	35:05	1.13	100.00	4.8	n
1,2,3,4,6,7,8-HpCDD	46807218	1.01 y	35:06	0.87	50.00	-3.3	n
Total HpCDD	47522490	3.24 n	34:18	0.87	50.00	-3.3	n
13C-OCDD	135289216	0.86 y	37:31	0.70	200.00	2.2	n
OCDF	77240456	0.87 y	37:38	1.14	100.00	-3.2	n
OCDD	74157032	0.91 y	37:31	1.10	100.00	-3.7	n

File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

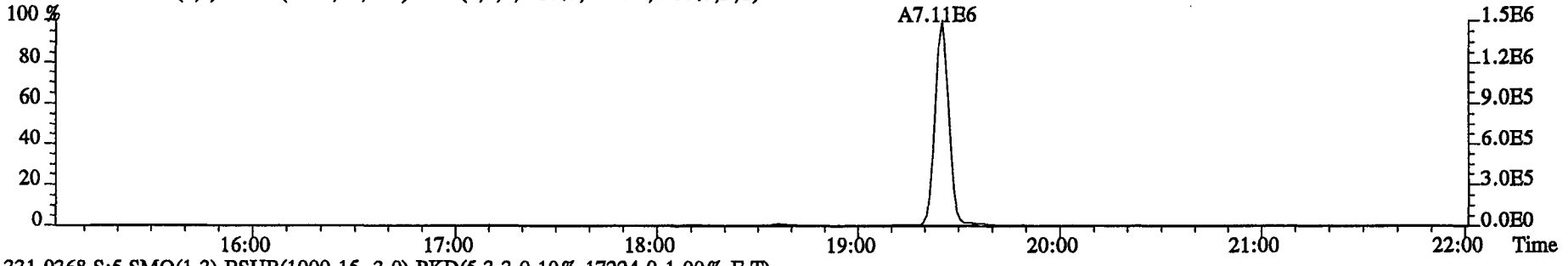


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

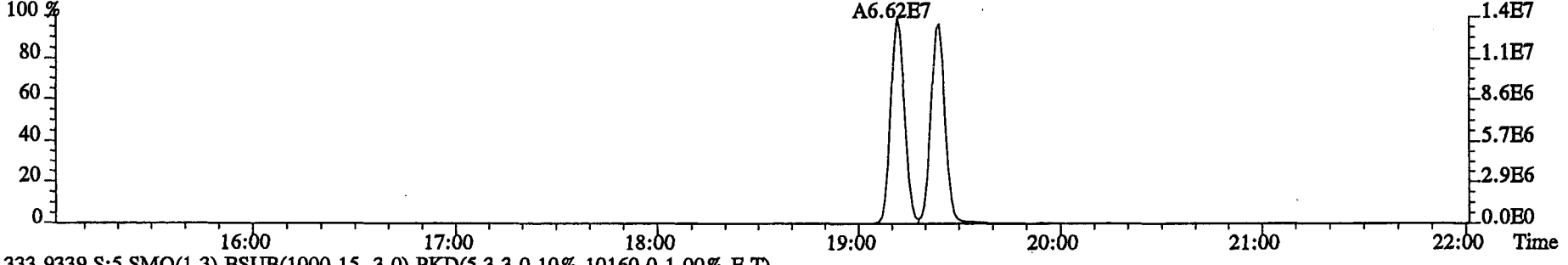
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5296.0,1.00%,F,T)



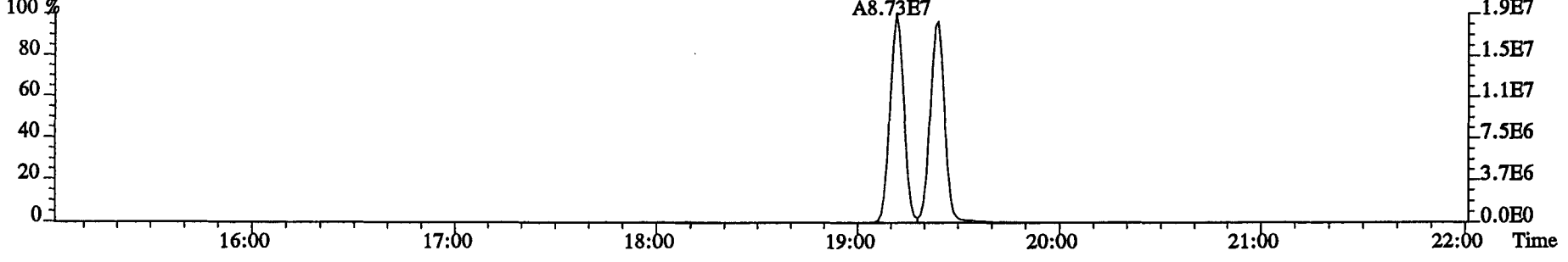
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5064.0,1.00%,F,T)



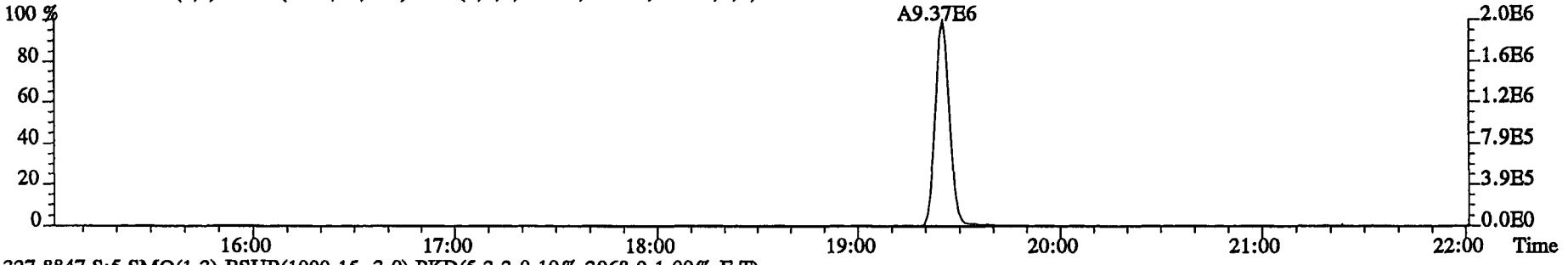
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17224.0,1.00%,F,T)



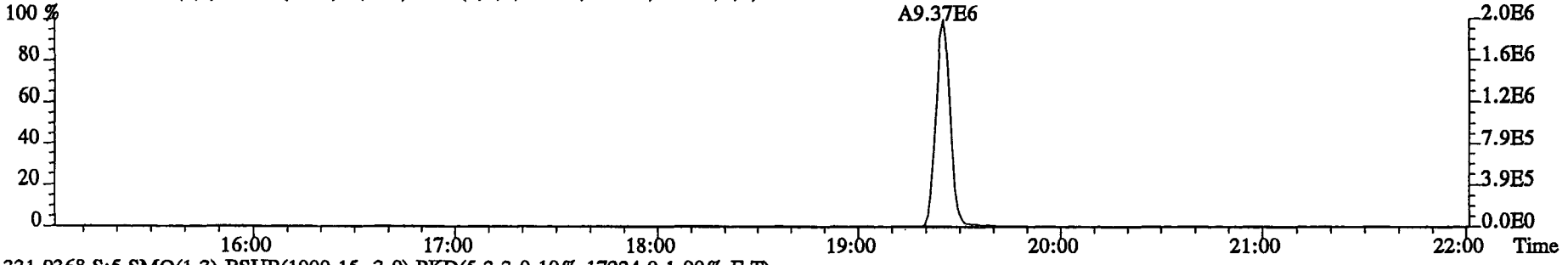
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10160.0,1.00%,F,T)



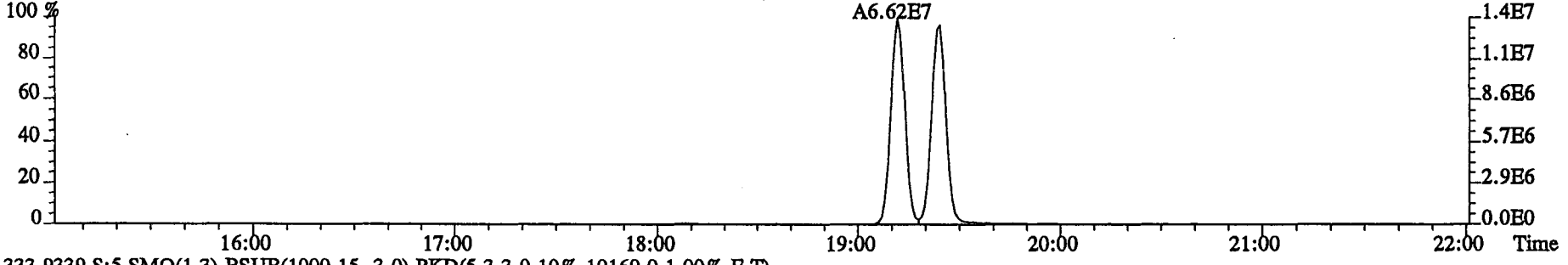
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)



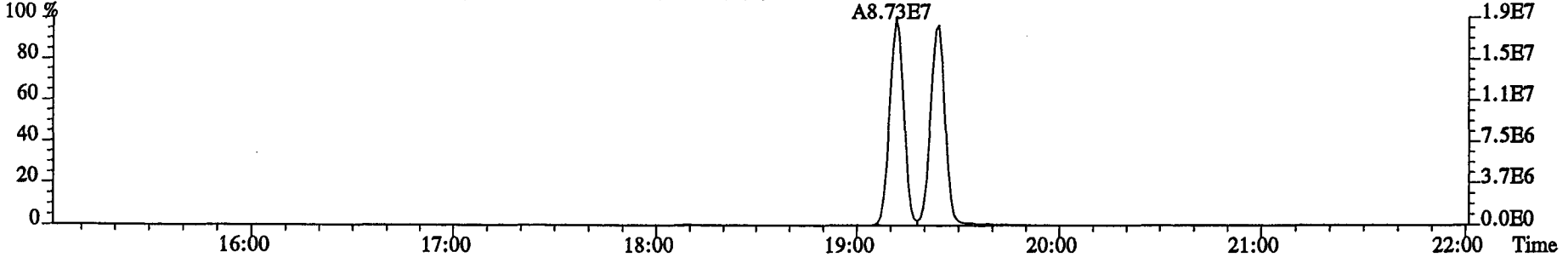
327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968.0,1.00%,F,T)



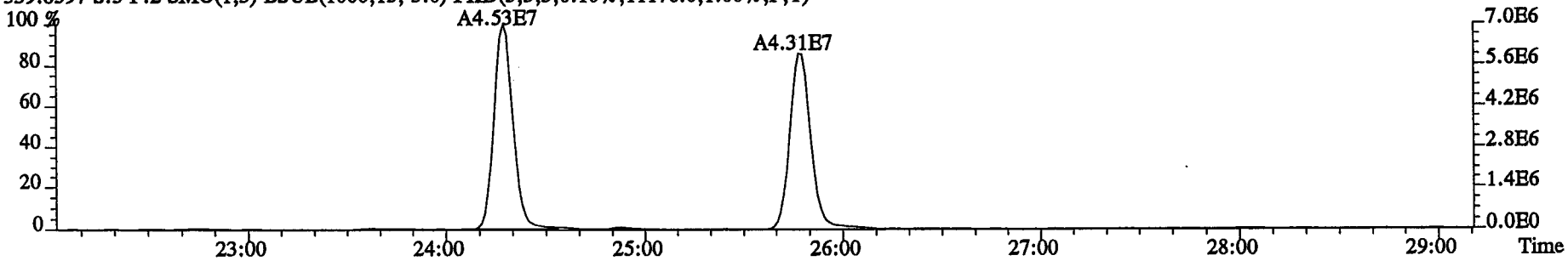
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17224.0,1.00%,F,T)

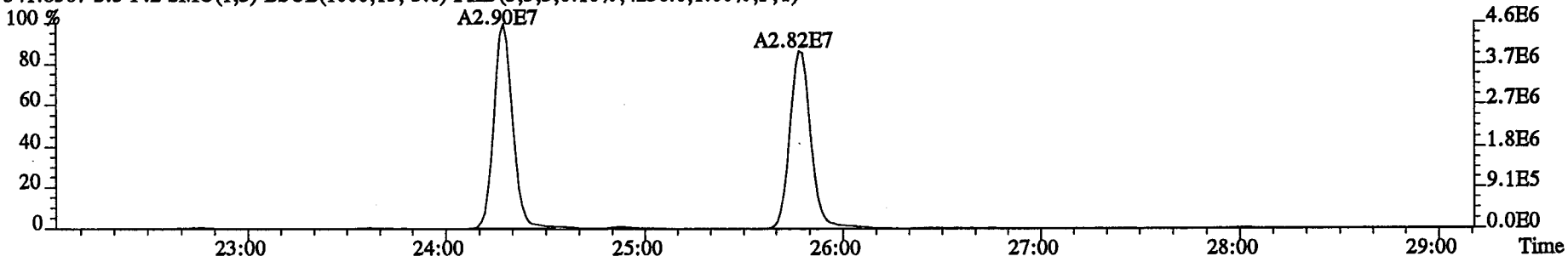


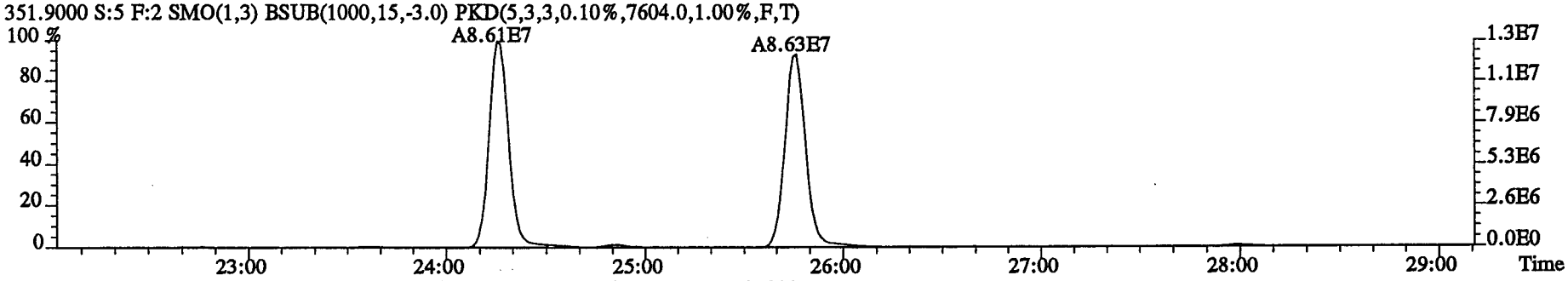
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10160.0,1.00%,F,T)

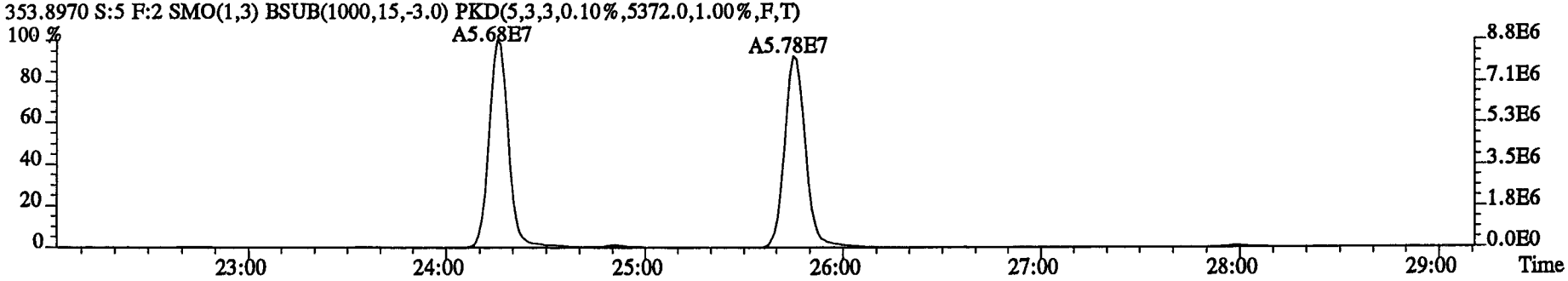


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

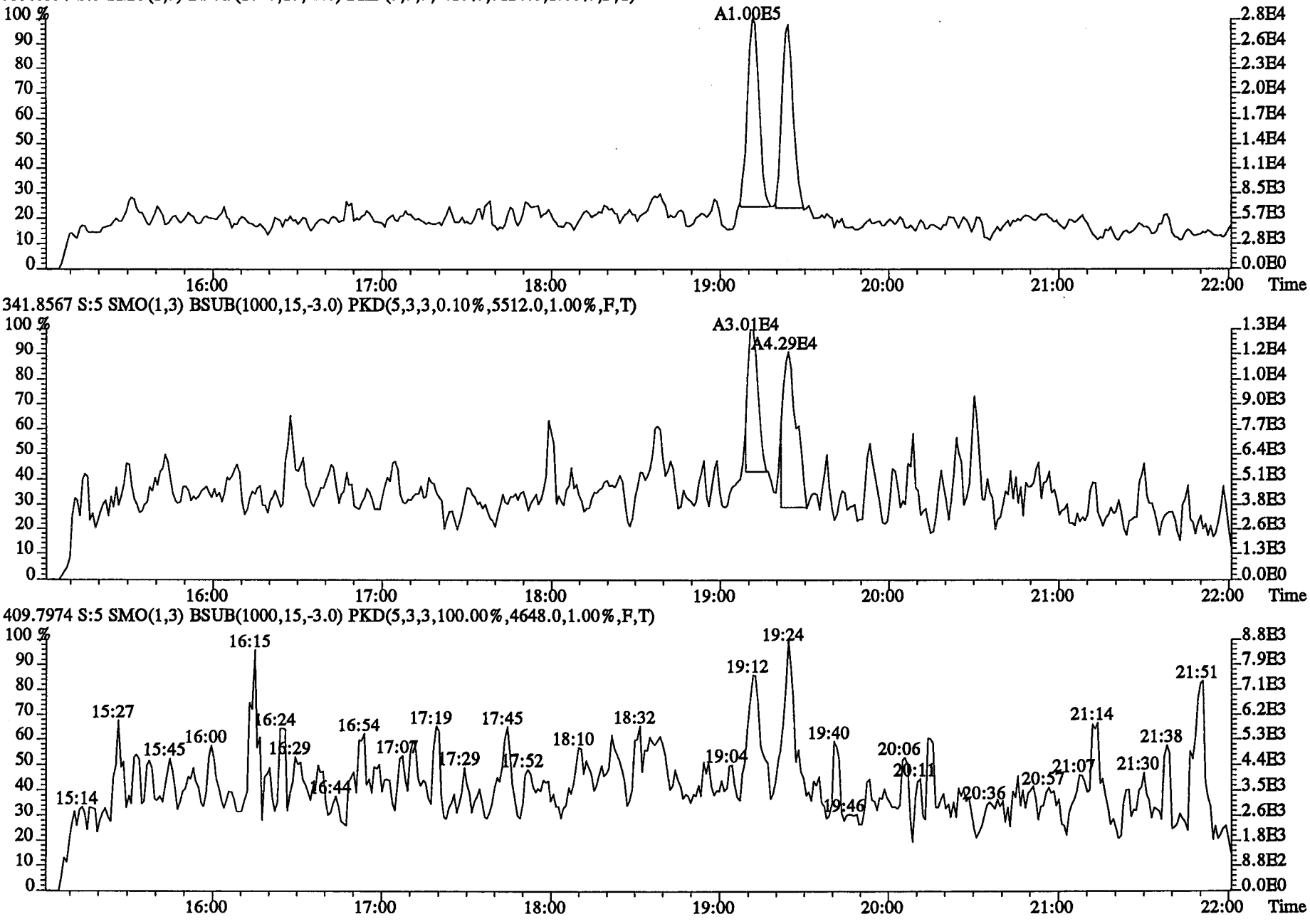






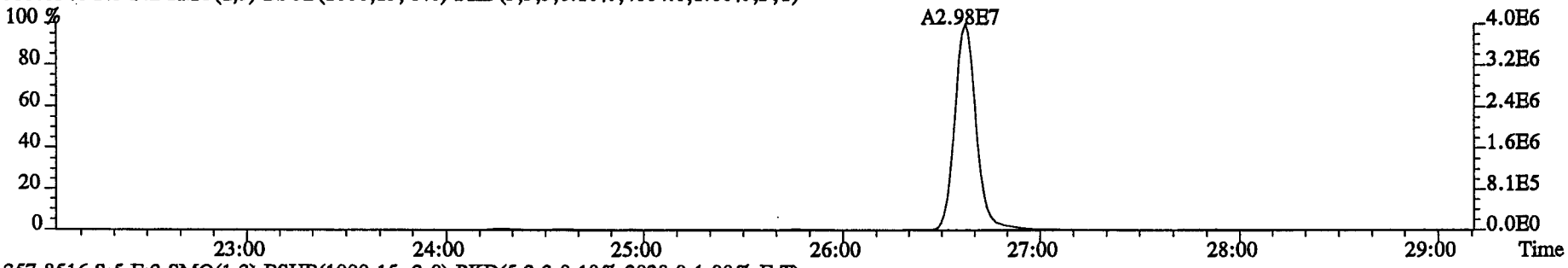


File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

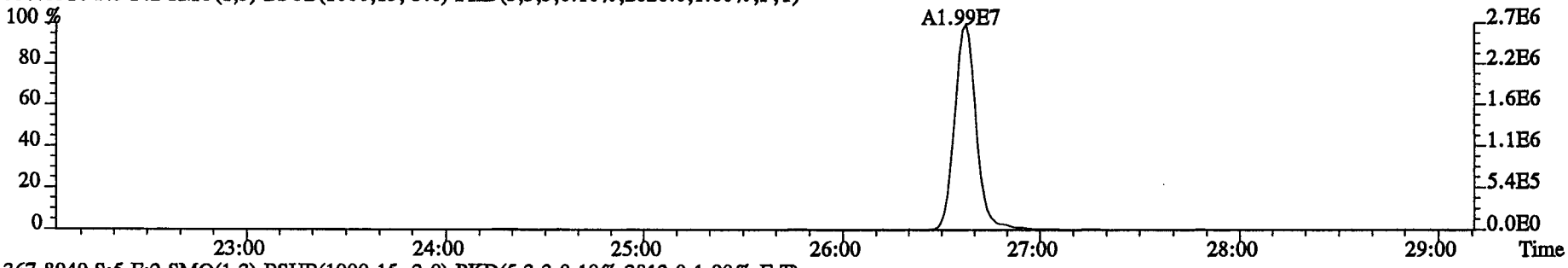


File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

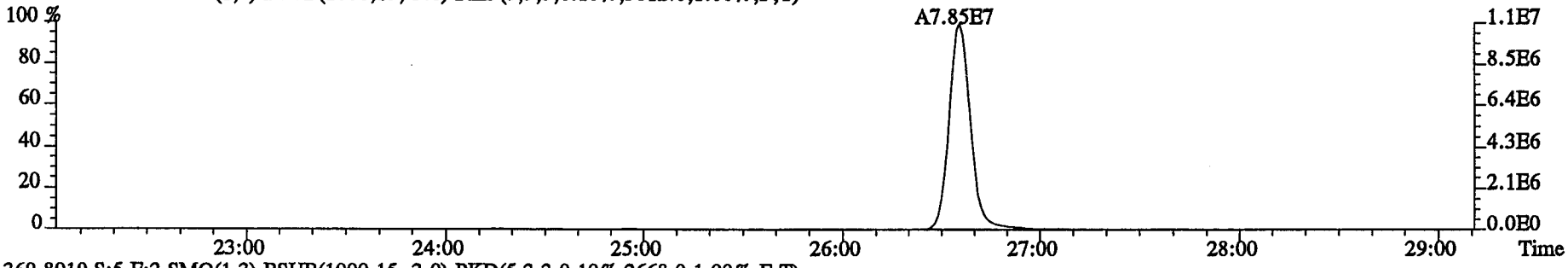
355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4004.0,1.00%,F,T)



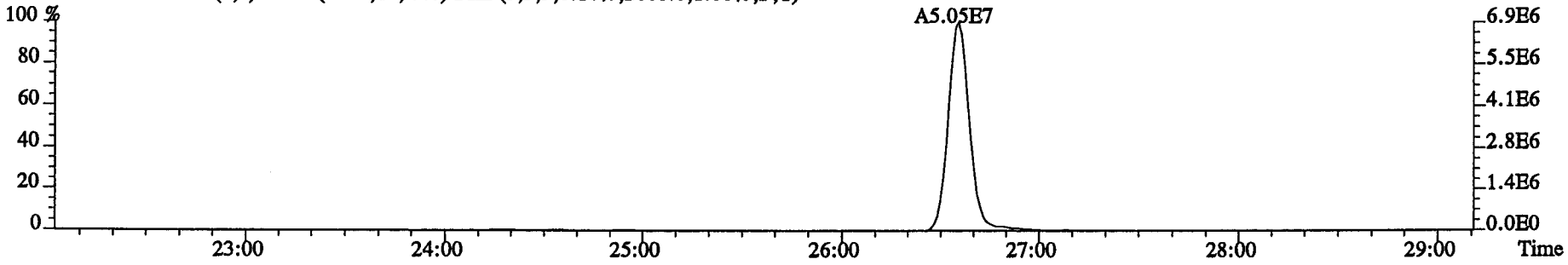
357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2028.0,1.00%,F,T)



367.8949 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3812.0,1.00%,F,T)

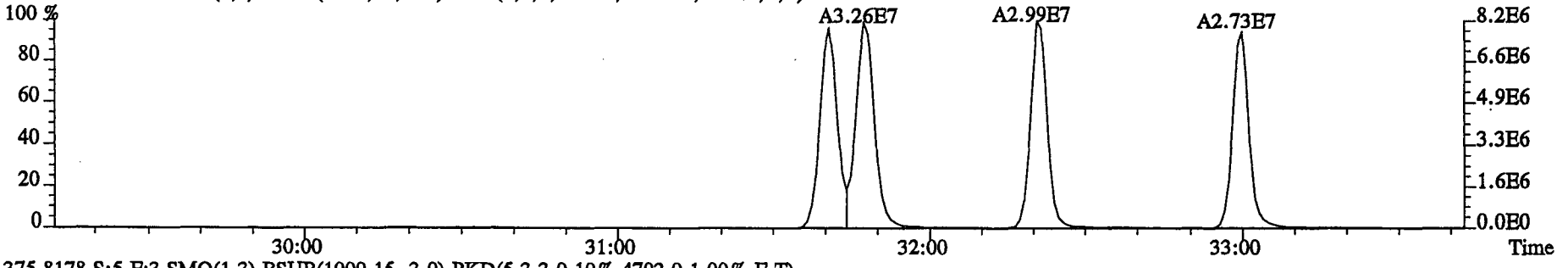


369.8919 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2668.0,1.00%,F,T)

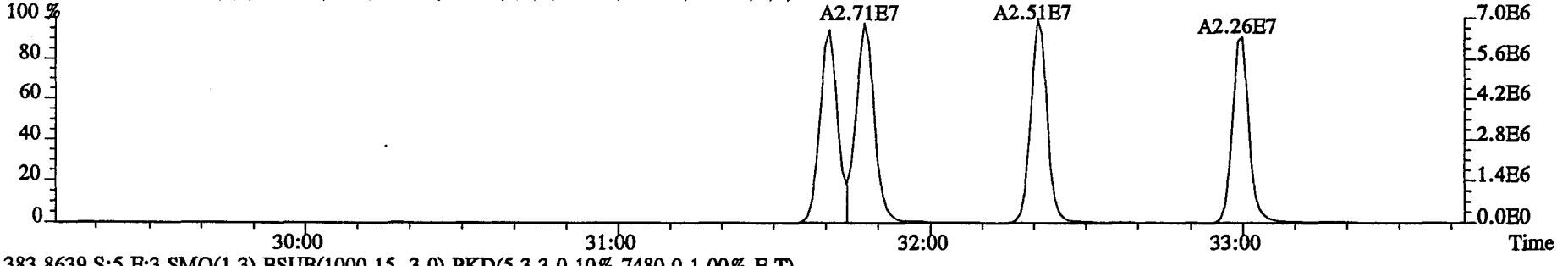


File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

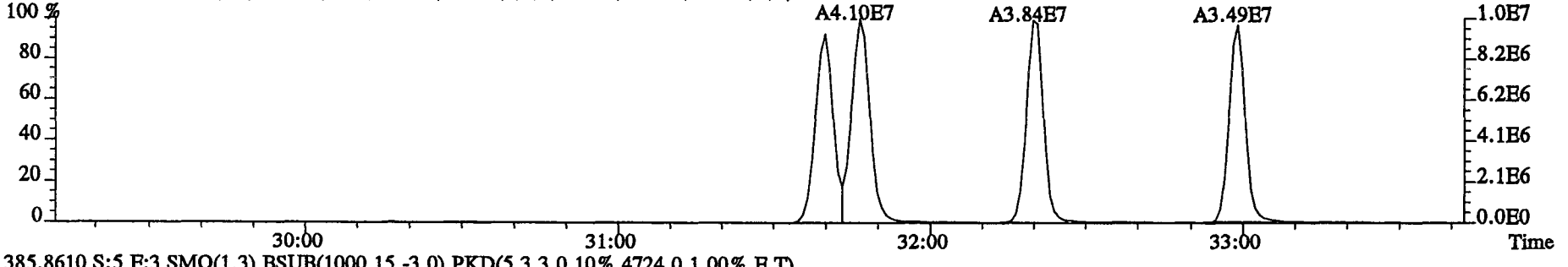
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10928.0,1.00%,F,T)



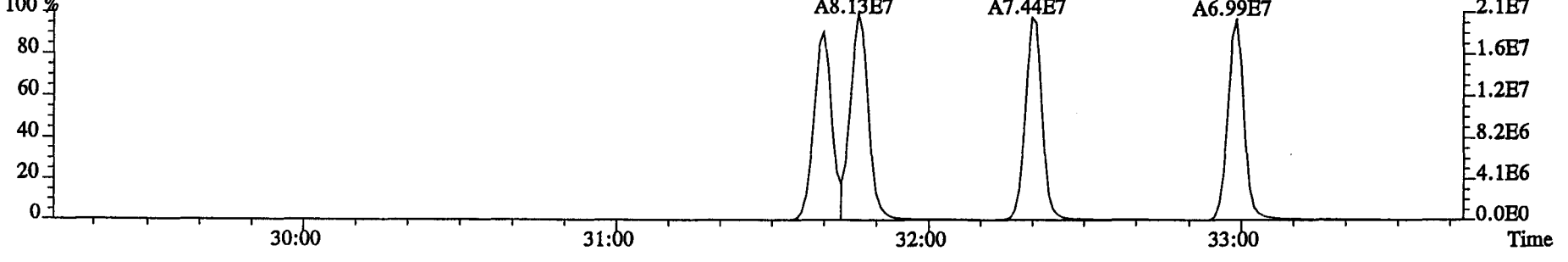
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4792.0,1.00%,F,T)



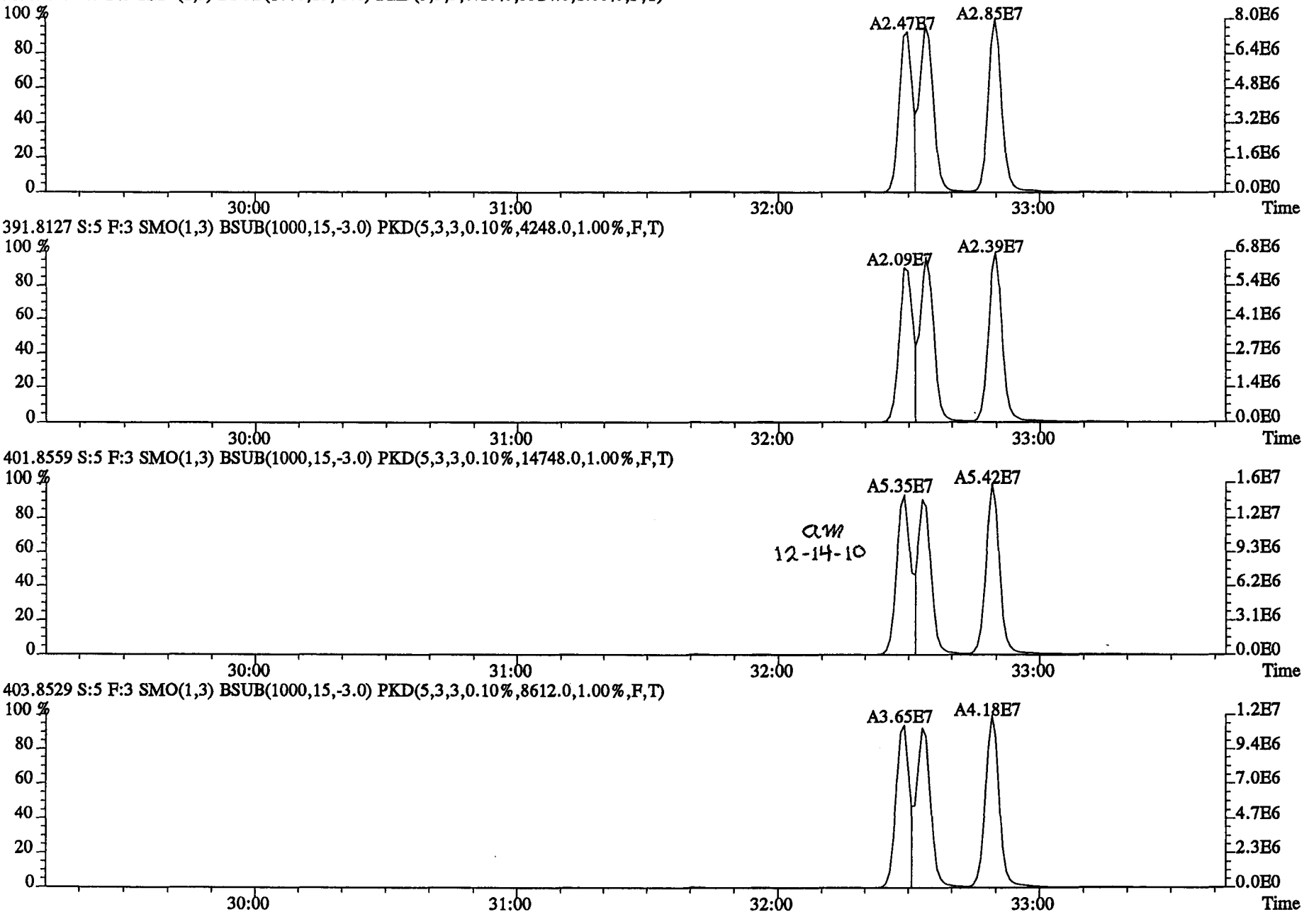
383.8639 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7480.0,1.00%,F,T)



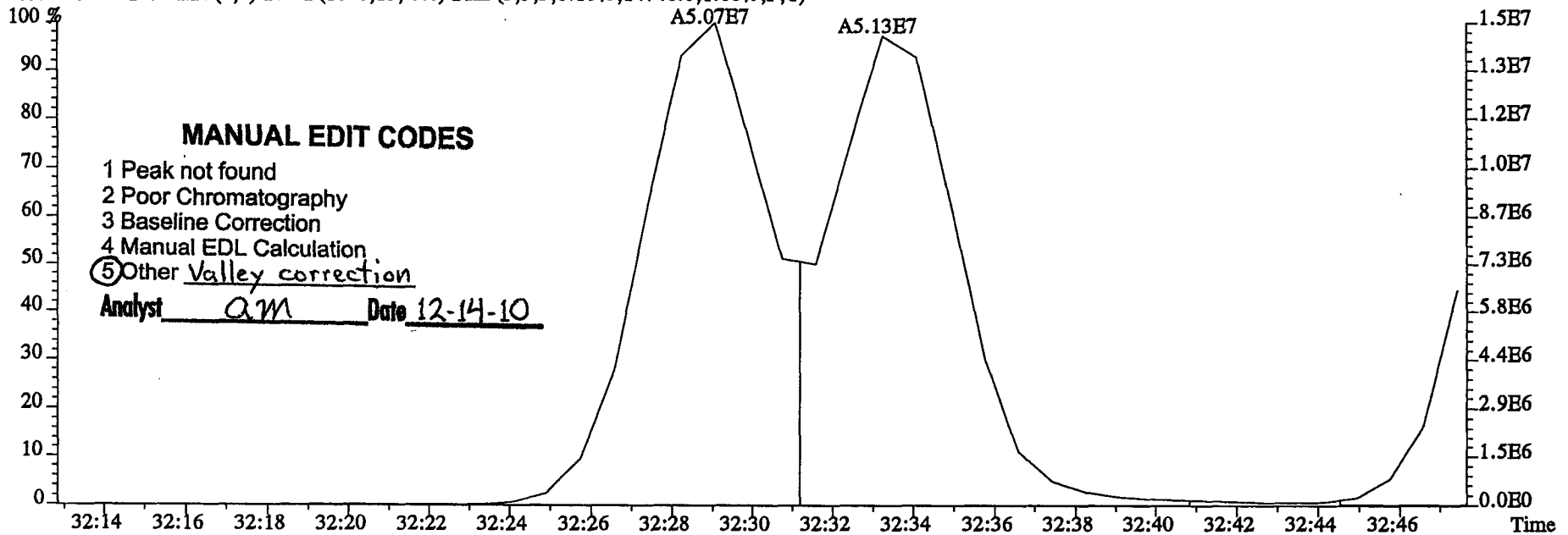
385.8610 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4724.0,1.00%,F,T)



File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
401.8559 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14748.0,1.00%,F,T)

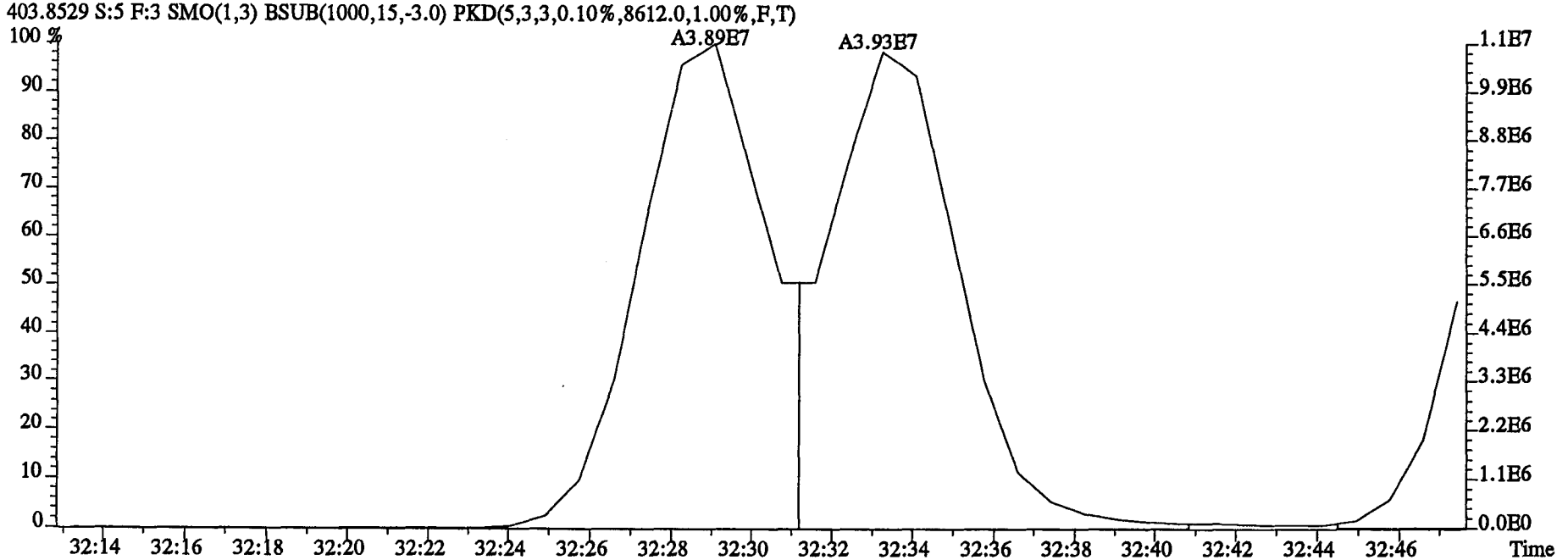


MANUAL EDIT CODES

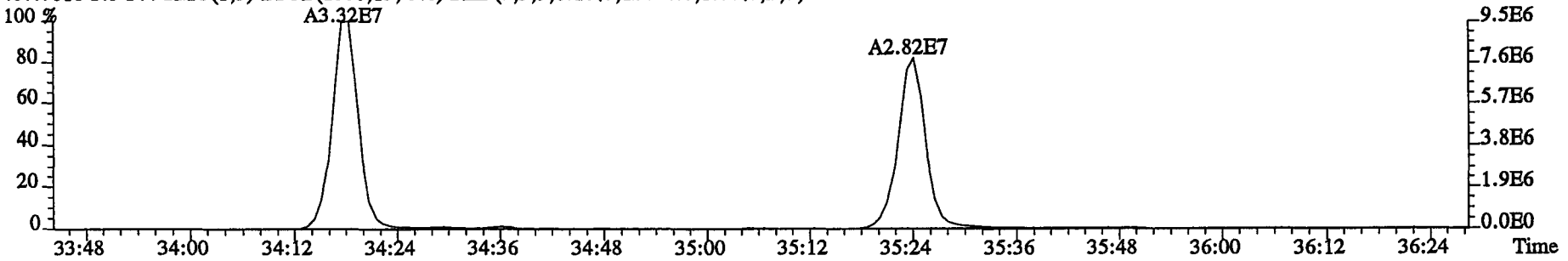
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
(5) Other Valley correction

Analyst QM Date 12-14-10

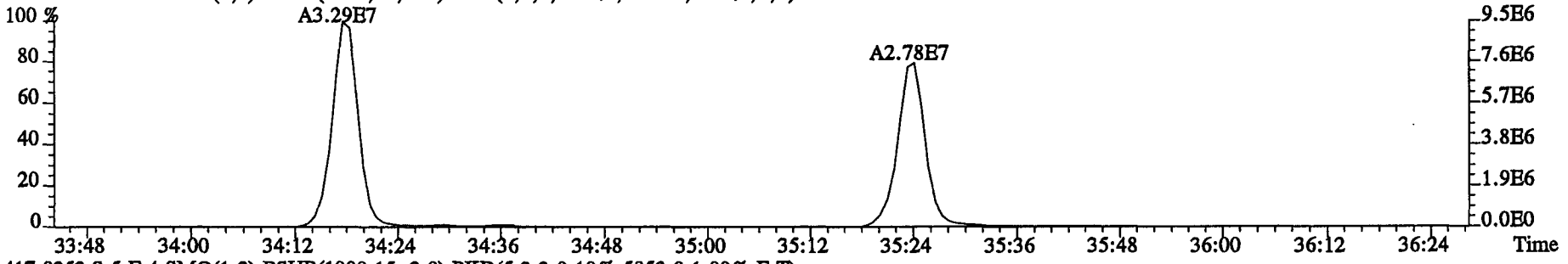
403.8529 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8612.0,1.00%,F,T)



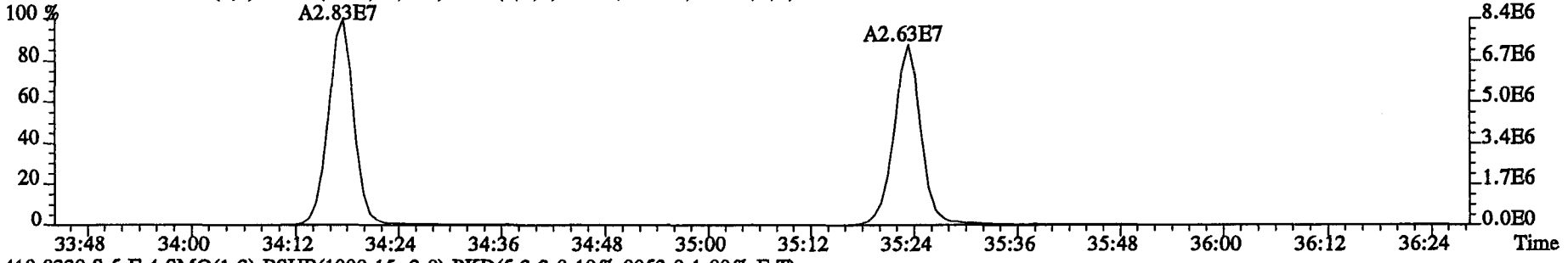
File:14DB10A9D5 #1-208 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12256.0,1.00%,F,T)



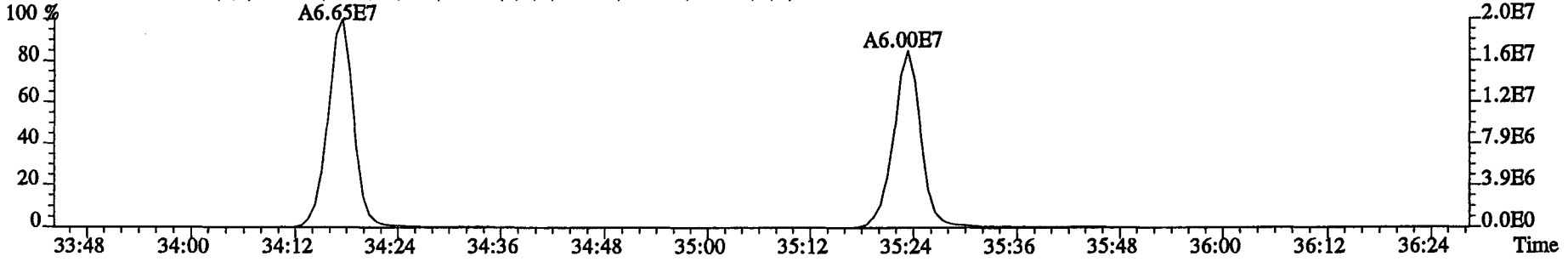
409.7789 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5592.0,1.00%,F,T)



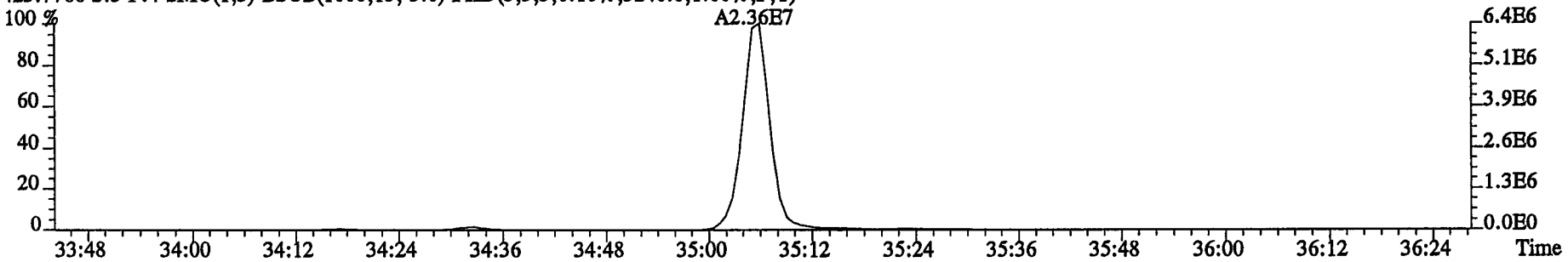
417.8253 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5852.0,1.00%,F,T)

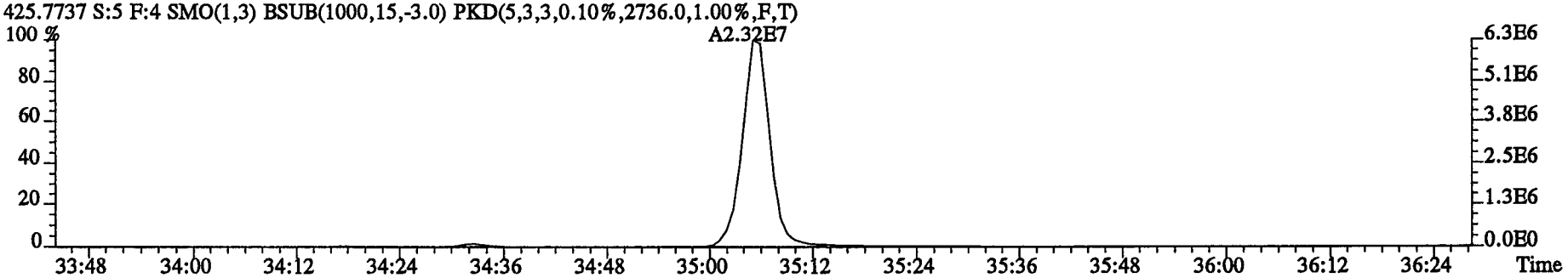


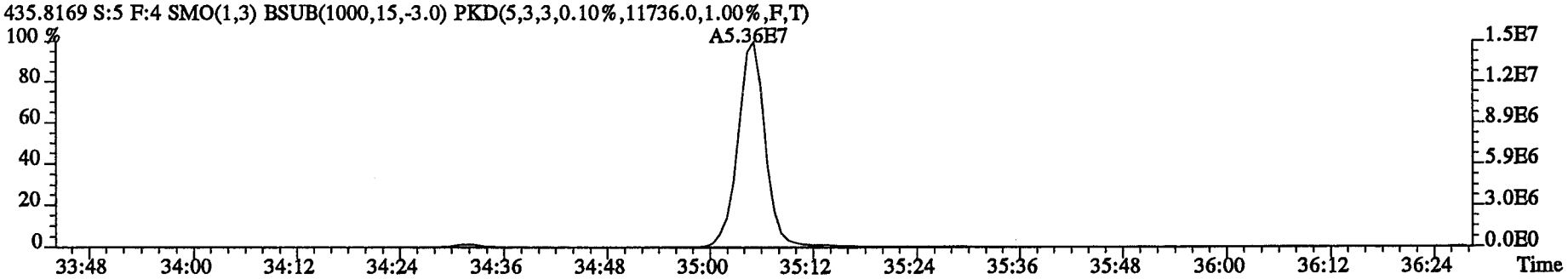
419.8220 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9052.0,1.00%,F,T)

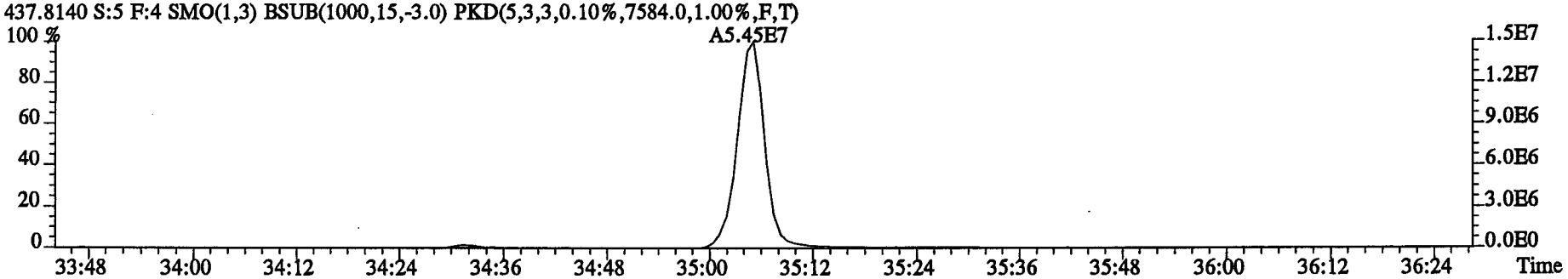


File:14DE10A9D5 #1-208 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

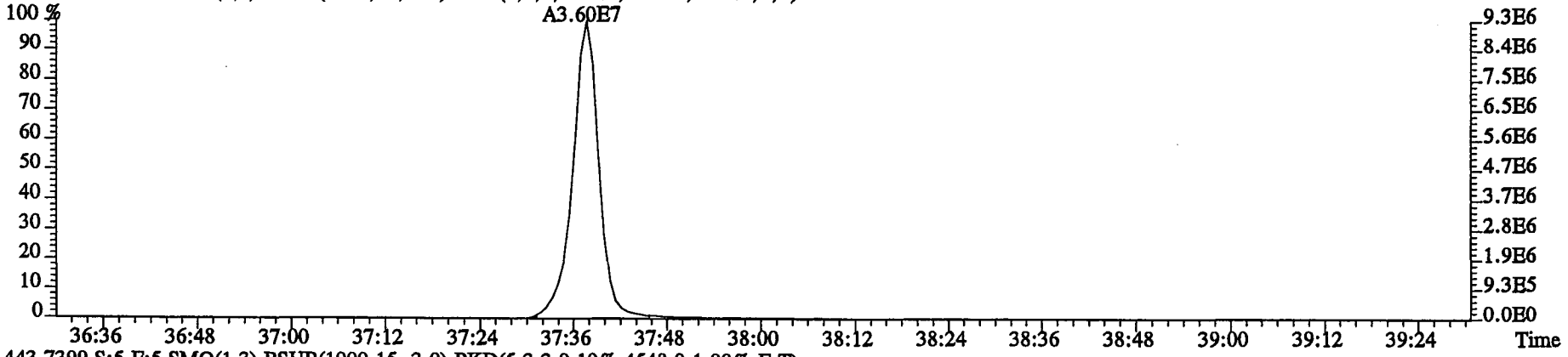




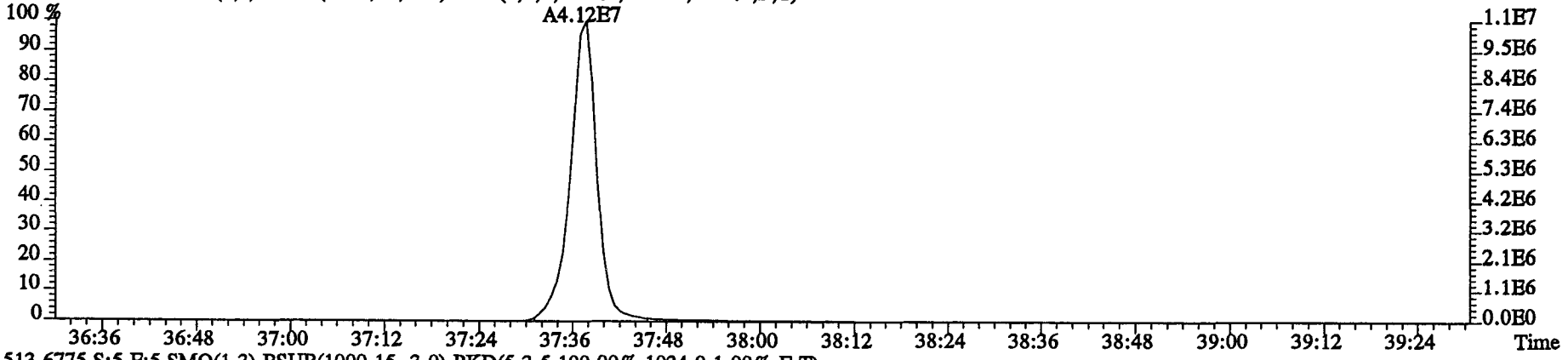




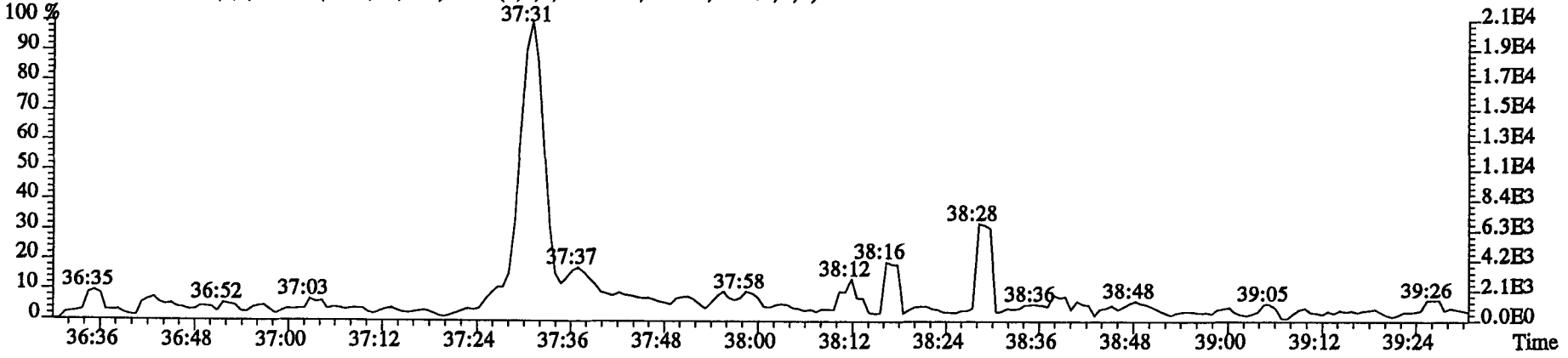
File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1976.0,1.00%,F,T)



443.7399 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4548.0,1.00%,F,T)

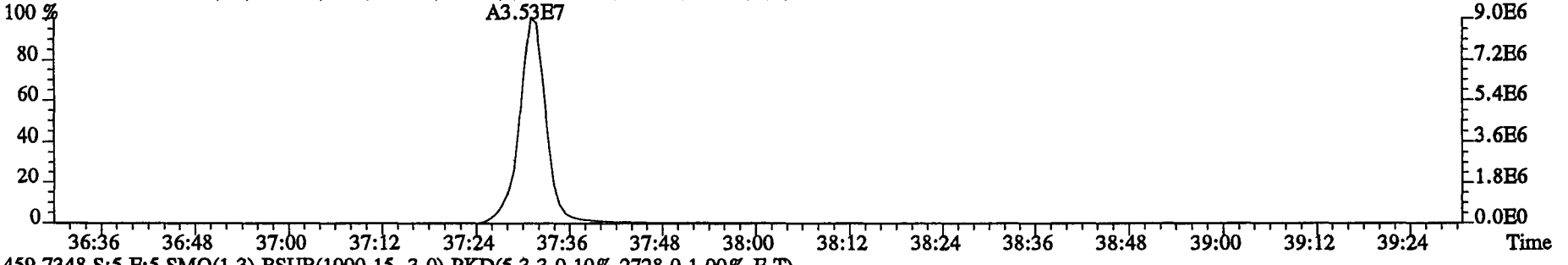


513.6775 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1024.0,1.00%,F,T)

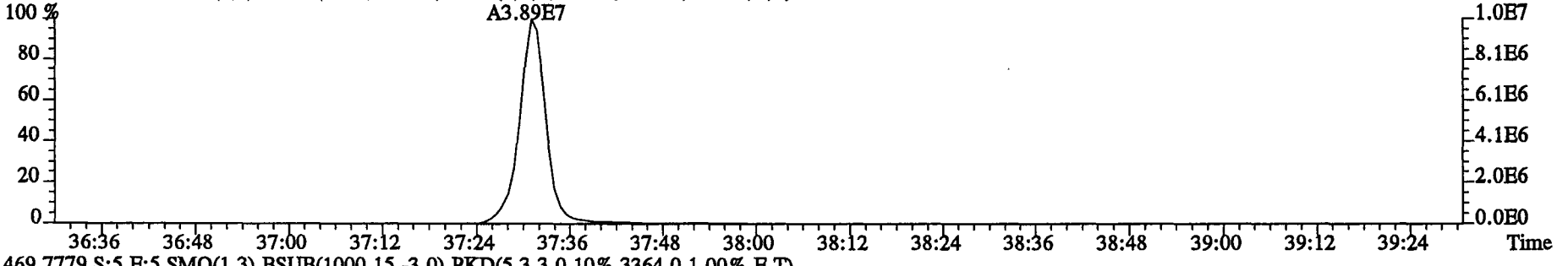


File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

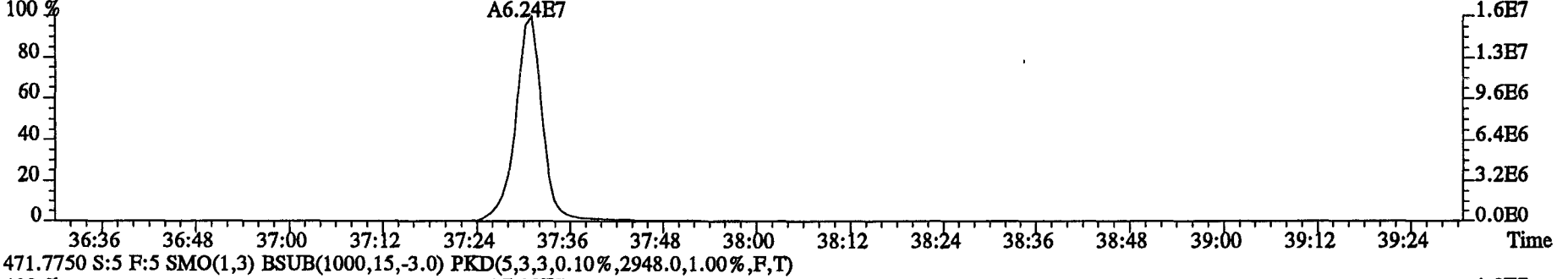
457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5500.0,1.00%,F,T)



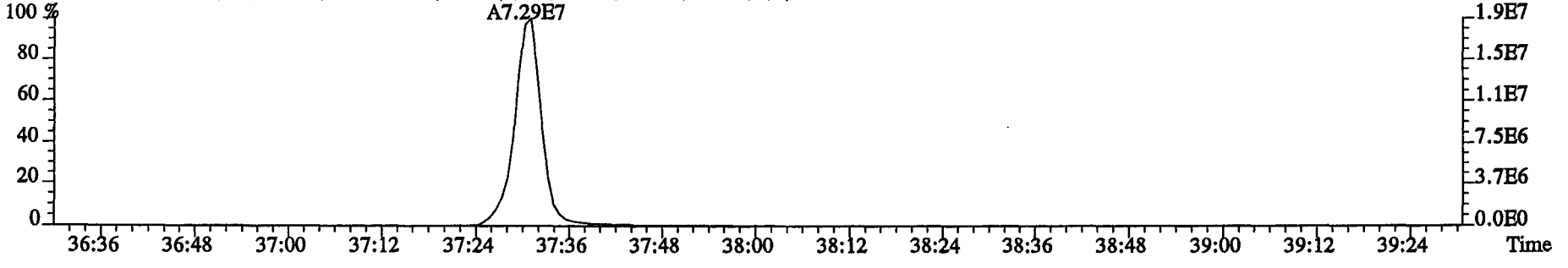
459.7348 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2728.0,1.00%,F,T)



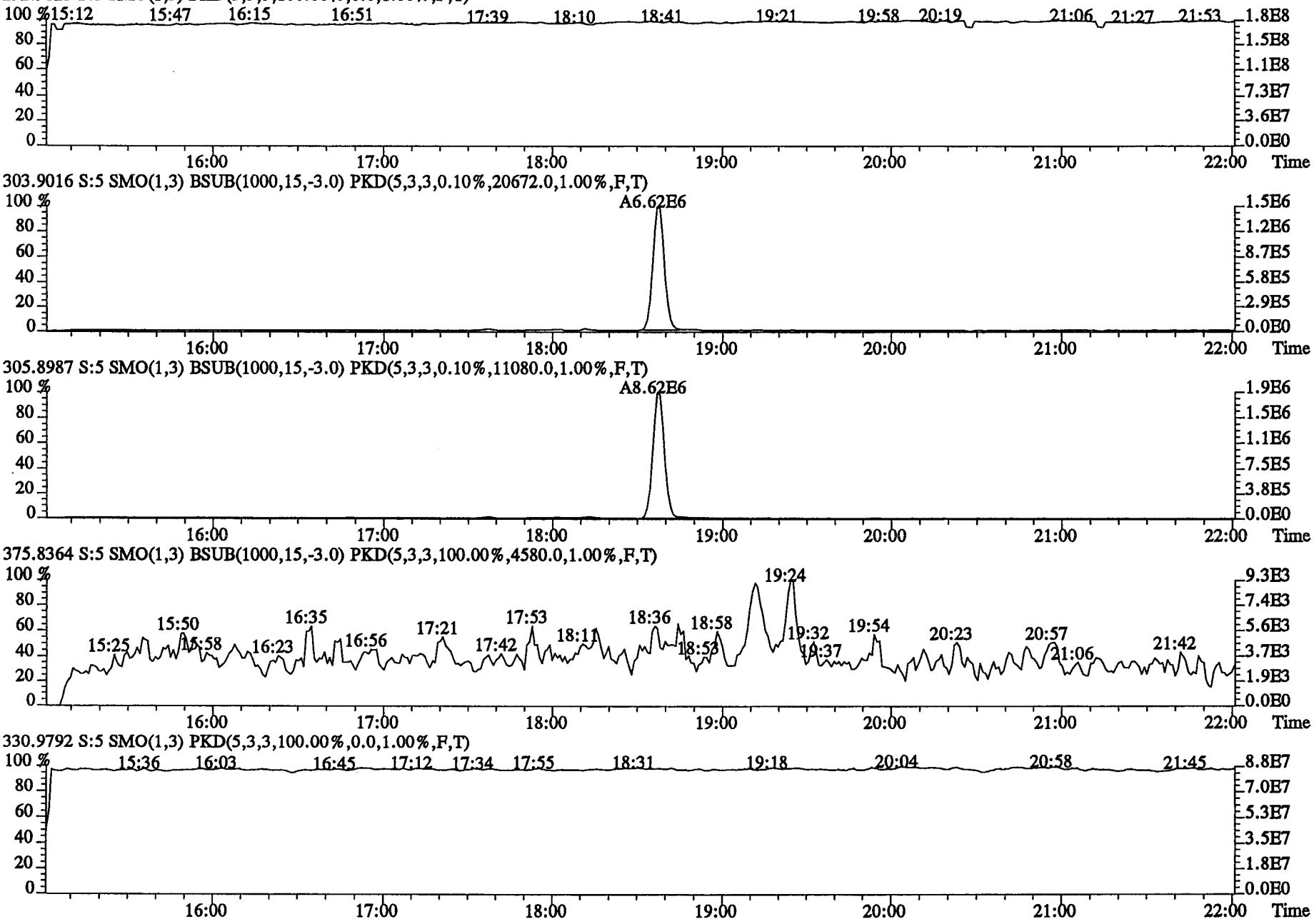
469.7779 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3364.0,1.00%,F,T)



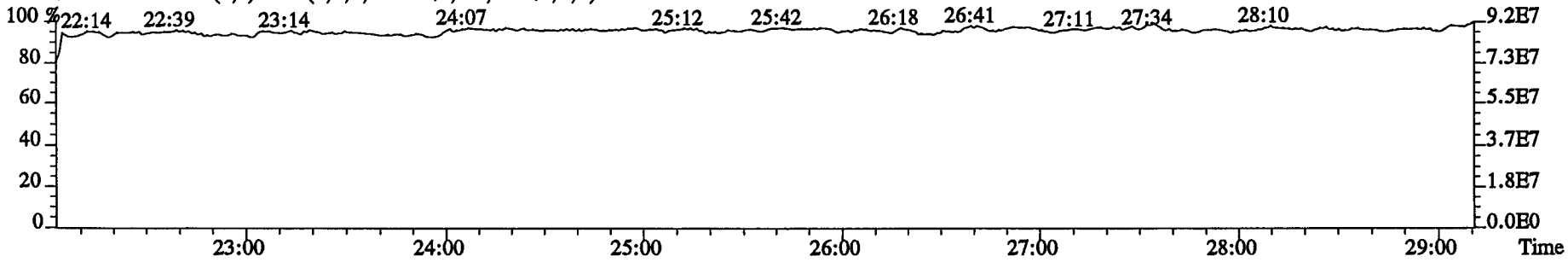
471.7750 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2948.0,1.00%,F,T)



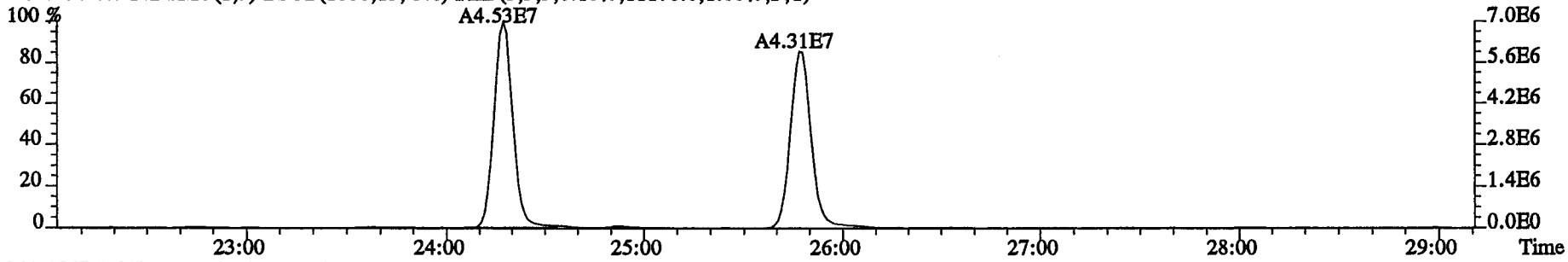
File:14DE10A9D5 #1-464 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES



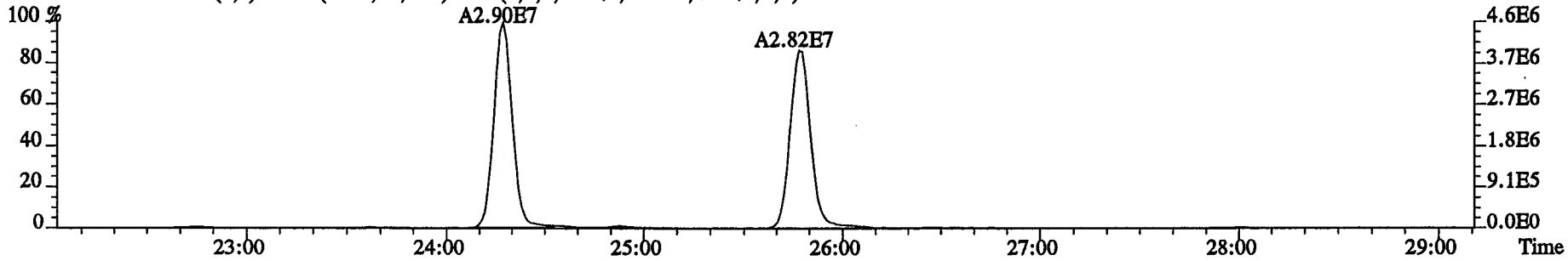
File:14DE10A9D5 #1-459 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



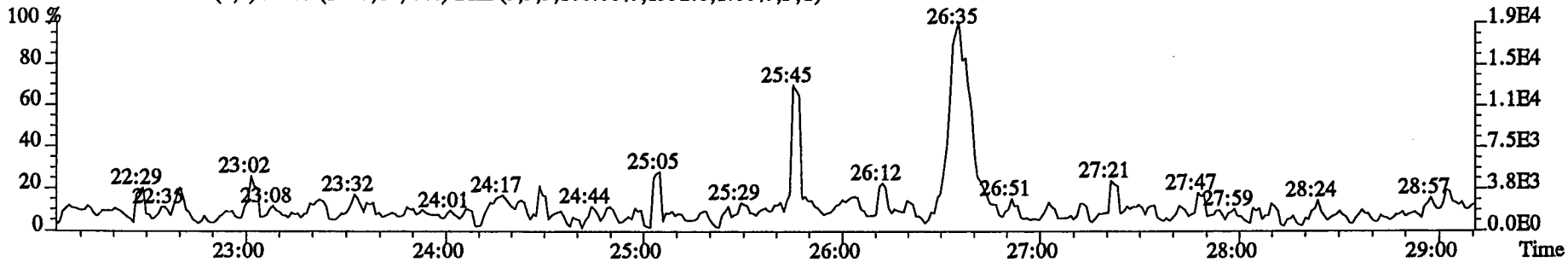
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11176.0,1.00%,F,T)



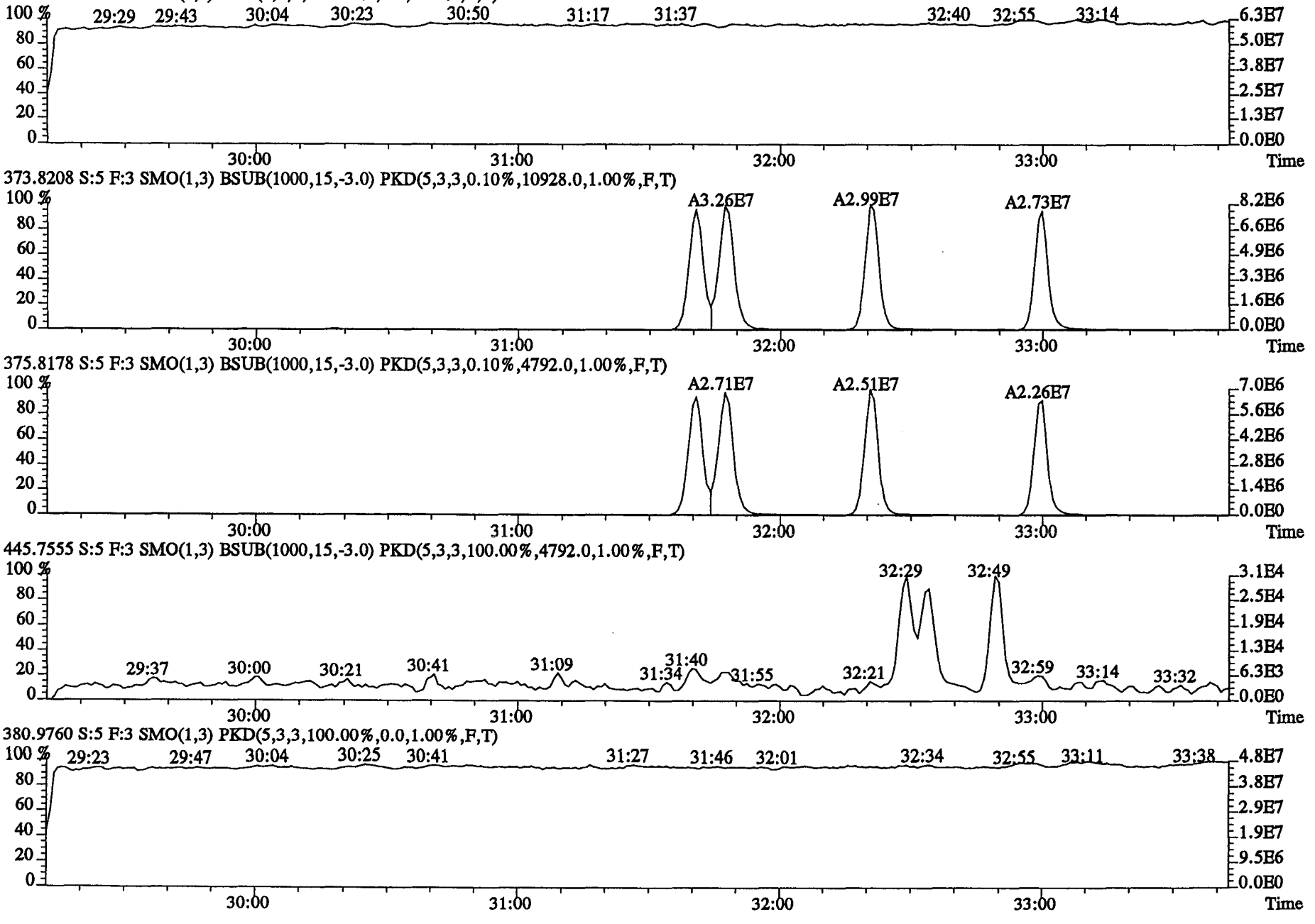
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4236.0,1.00%,F,T)



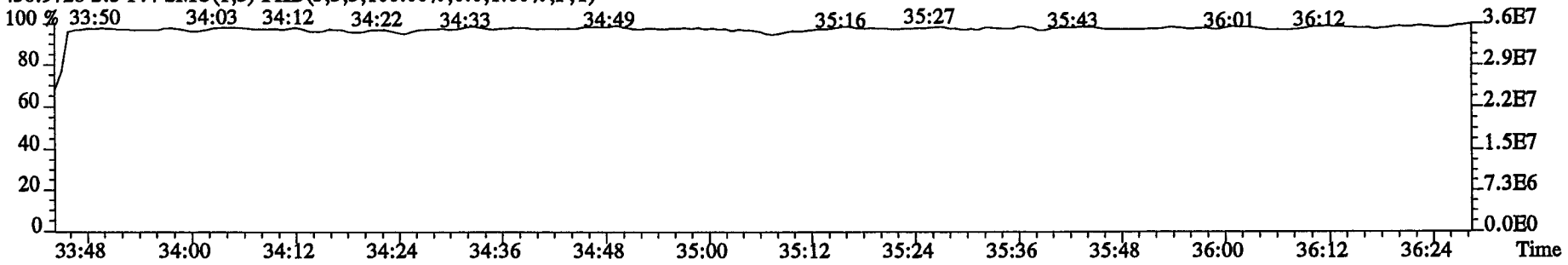
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1992.0,1.00%,F,T)

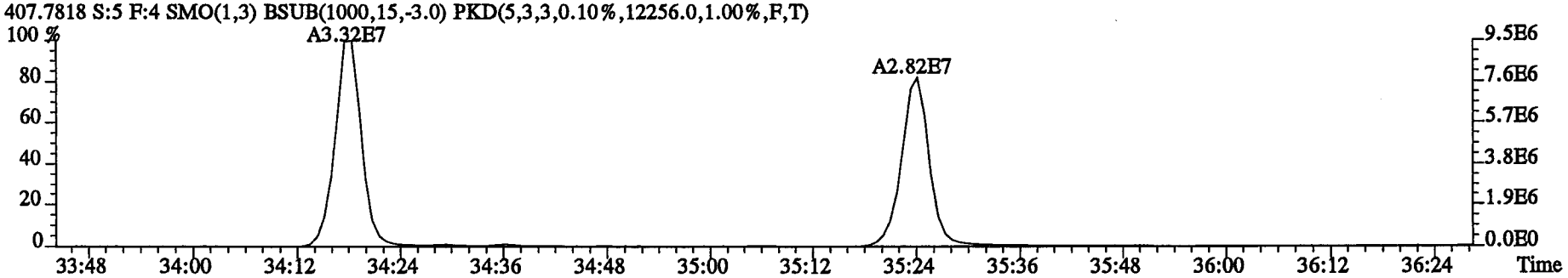


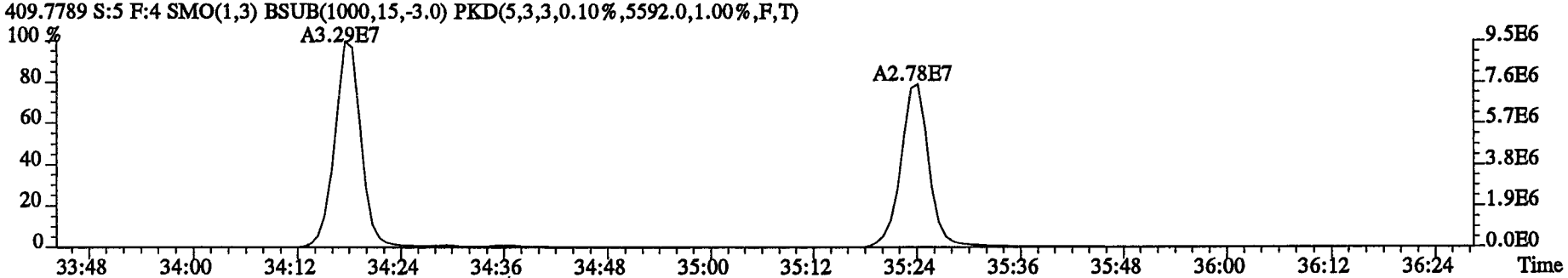
File:14DE10A9D5 #1-325 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

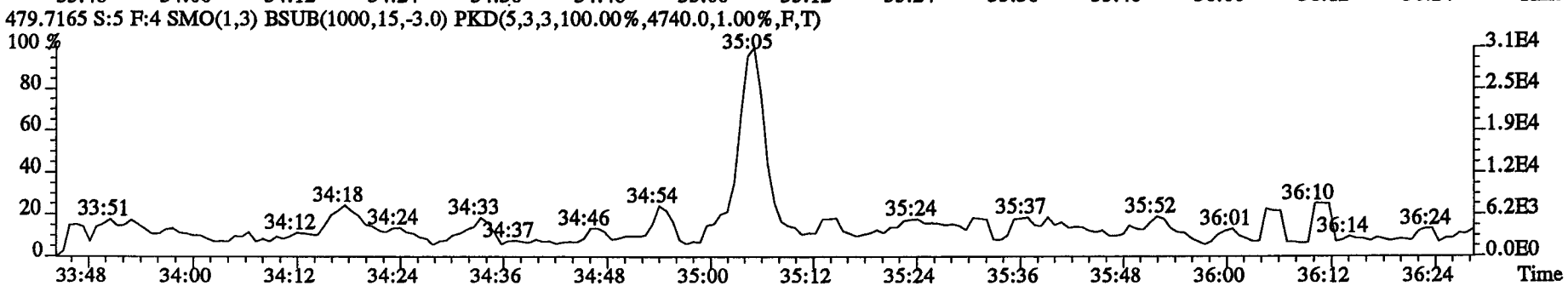


File:14DB10A9D5 #1-208 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES

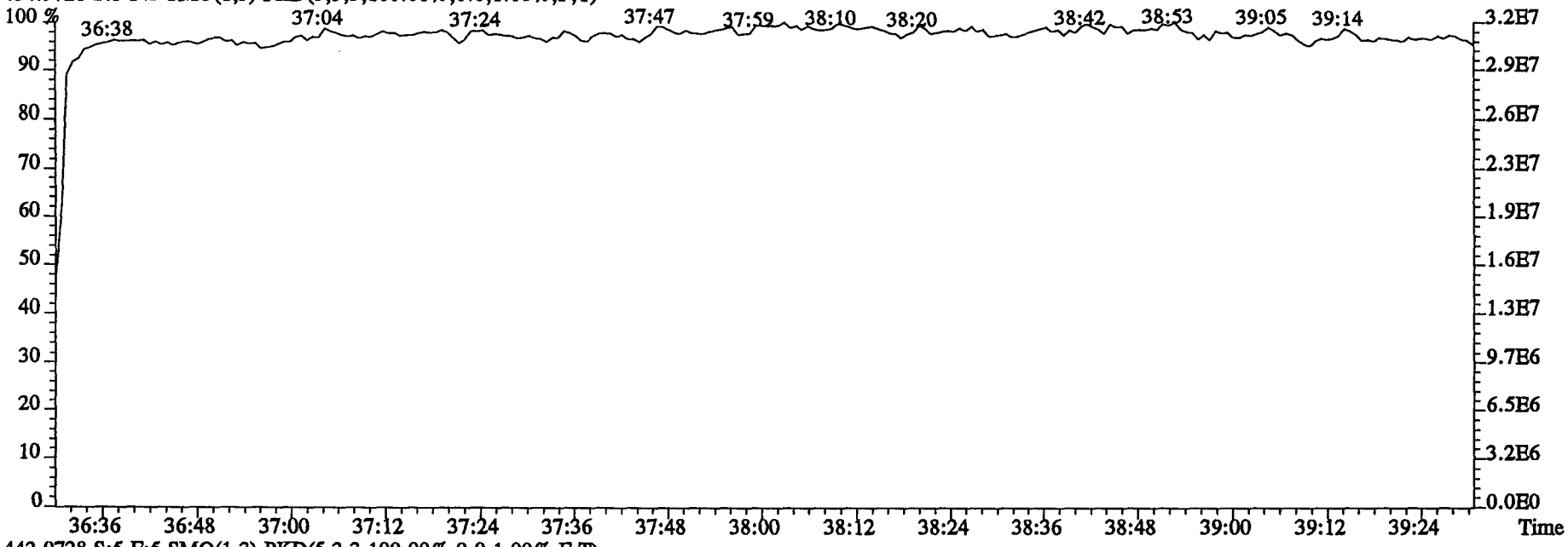




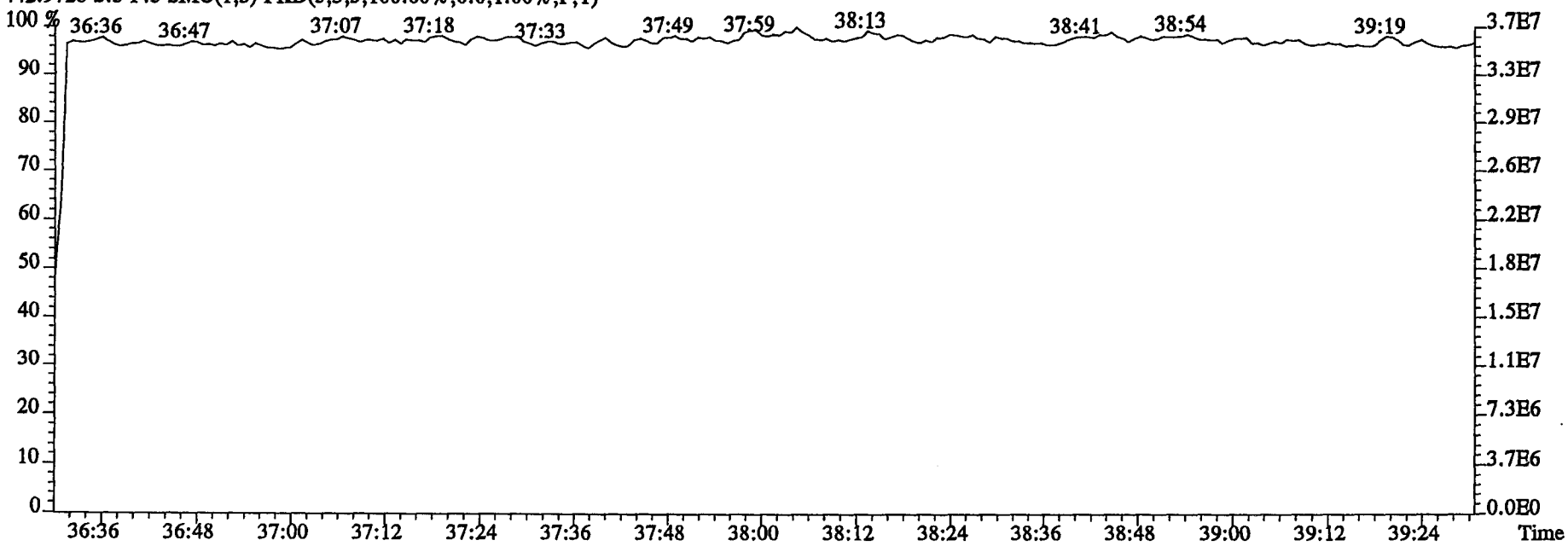




File:14DE10A9D5 #1-244 Acq:14-DEC-2010 17:51:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 Text:ST1214B :CS-3 10DXN505 Exp:DIOXINRES
454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



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



Run text: ST1214F File text: ST1214F :CS-3 10DXN505
Run #12 Filename 14DE10A9D5 S: 14 I: 1
Acquired: 15-DEC-10 00:27:51 Processed: 15-DEC-10 10:58:39
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5 Results: 14DE10A9D5TO9

Name	Resp	RA		RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	142471220	0.76	y	19:12	-	100.00	-	n
13C-2,3,7,8-TCDF	159486376	0.80	y	18:37	1.12	100.00	0.5	n
2,3,7,8-TCDF	13613931	0.74	y	18:38	0.85	10.00	-3.3	n
Total TCDF	13613931	0.74	y	18:38	0.85	10.00	-3.3	n
13C-2,3,7,8-TCDD	144830084	0.75	y	19:24	1.02	100.00	4.6	n
2,3,7,8-TCDD	11663209	0.79	y	19:26	0.81	10.00	-7.6	n
Total TCDD	11774515	0.93	n	18:09	0.81	10.00	-7.6	n
37Cl-2,3,7,8-TCDD	17636862	1.00	y	19:26	1.22	10.00	-0.5	n
13C-1,2,3,7,8-PeCDF	132192204	1.47	y	24:16	0.93	100.00	0.7	n
1,2,3,7,8-PeCDF	68488826	1.53	y	24:18	1.04	50.00	-2.7	n
2,3,4,7,8-PeCDF	66571768	1.52	y	25:47	1.01	50.00	-2.0	n
Total F2 PeCDF	136226683	1.73	y	22:47	1.02	100.00	-2.3	n
Total F1 PeCDF	197004	3.39	n	19:12	1.02	100.00	-2.3	n
13C-1,2,3,7,8-PeCDD	121256244	1.51	y	26:36	0.85	100.00	2.6	n
1,2,3,7,8-PeCDD	46142376	1.49	y	26:38	0.76	50.00	-4.0	n
Total PeCDD	46294581	2.58	n	24:16	0.76	50.00	-4.0	n
13C-1,2,3,7,8,9-HxCDD	90546544	1.29	y	32:49	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	101056452	0.52	y	31:39	1.12	100.00	4.1	n
1,2,3,4,7,8-HxCDF	50954270	1.19	y	31:40	1.01	50.00	-5.1	n
1,2,3,6,7,8-HxCDF	52955996	1.17	y	31:48	1.05	50.00	-6.6	n
2,3,4,6,7,8-HxCDF	50887382	1.18	y	32:21	1.01	50.00	-3.9	n
1,2,3,7,8,9-HxCDF	45376702	1.20	y	32:59	0.90	50.00	-5.7	n
Total HxCDF	200309935	1.53	n	30:32	0.99	200.00	-5.3	n
13C-1,2,3,6,7,8-HxCDD	84118500	1.32	y	32:34	0.93	100.00	4.6	n
1,2,3,4,7,8-HxCDD	45187562	1.18	y	32:29	1.07	50.00	-3.5	n
1,2,3,6,7,8-HxCDD	46691094	1.22	y	32:34	1.11	50.00	-4.2	n
1,2,3,7,8,9-HxCDD	48859814	1.20	y	32:49	1.16	50.00	-3.3	n
Total HxCDD	140738470	1.18	y	32:29	1.12	150.00	-3.7	n
13C-1,2,3,4,6,7,8-HpCDF	91676174	0.43	y	34:17	1.01	100.00	6.8	n
1,2,3,4,6,7,8-HpCDF	63463110	1.03	y	34:18	1.38	50.00	-3.5	n
1,2,3,4,7,8,9-HpCDF	54826208	1.02	y	35:24	1.20	50.00	-2.5	n
Total HpCDF	119408056	1.03	y	34:18	1.29	100.00	-3.1	n
13C-1,2,3,4,6,7,8-HpCDD	108948680	1.01	y	35:05	1.20	100.00	11.9	n
1,2,3,4,6,7,8-HpCDD	46396050	1.03	y	35:05	0.85	50.00	-4.9	n
Total HpCDD	47217712	2.63	n	34:17	0.85	50.00	-4.9	n
13C-OCDD	131348892	0.86	y	37:31	0.73	200.00	5.1	n
OCDF	73012964	0.88	y	37:37	1.11	100.00	-5.8	n
OCDD	71752804	0.91	y	37:31	1.09	100.00	-4.0	n

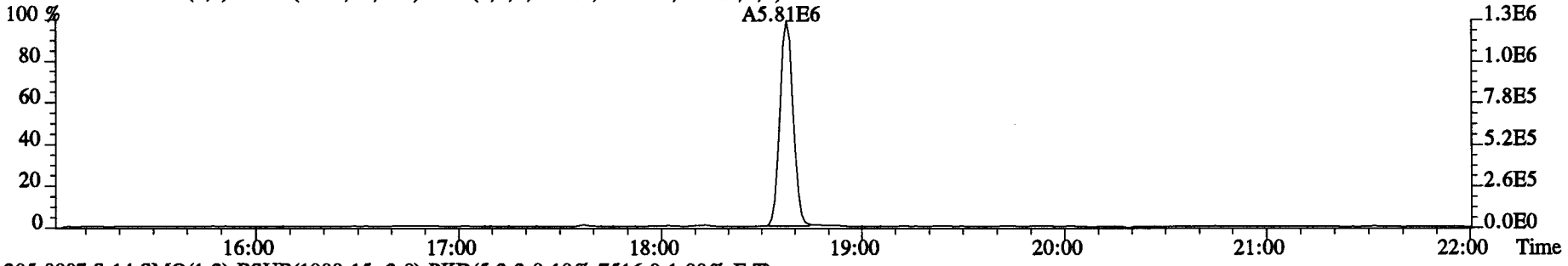
Run: 14DE10A9D5 Analyte: TO9 Cal: TO91214109D5

ST1214 :CS-1 10DXN503 ST1214A :CS-2 10DXN504 ST1214B :CS-3 10DXN505
ST1214C :CS-4 10DXN506 ST1214D :CS-5 10DXN507

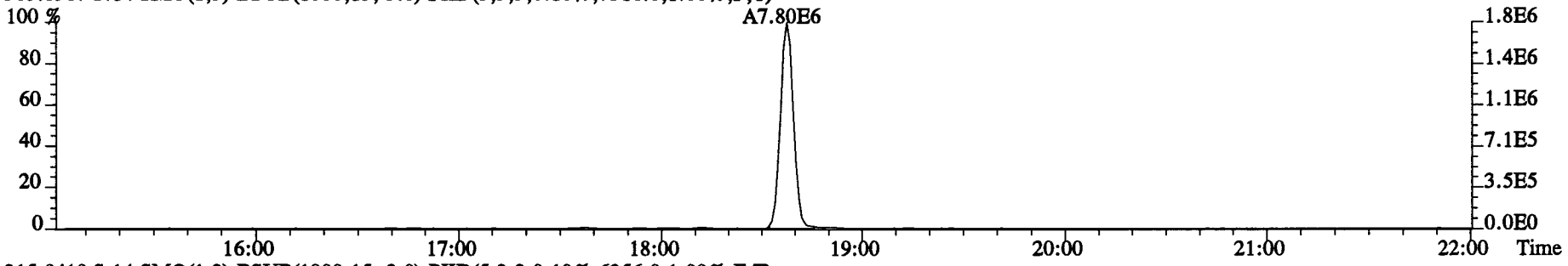
				14DE10A9D5	14DE10A9D5	14DE10A9D5	14DE10A9D5	14DE10A9D5
				S3	S4	S5	S6	S7
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.114	0.036	3.21 %	1.13	1.15	1.14	1.08	1.08
2,3,7,8-TCDF	0.883	0.033	3.69 %	0.94	0.87	0.87	0.87	0.86
Total TCDF	0.883	0.033	3.69 %	0.94	0.87	0.87	0.87	0.86
13C-2,3,7,8-TCDD	0.972	0.039	4.01 %	0.99	1.00	1.01	0.93	0.93
2,3,7,8-TCDD	0.872	0.039	4.51 %	0.91	0.91	0.82	0.87	0.85
Total TCDD	0.872	0.039	4.51 %	0.91	0.91	0.82	0.87	0.85
37Cl-2,3,7,8-TCDD	1.224	0.037	3.00 %	1.29	1.22	1.21	1.21	1.19
13C-1,2,3,7,8-PeCDF	0.921	0.015	1.64 %	0.93	0.93	0.93	0.90	0.92
1,2,3,7,8-PeCDF	1.065	0.029	2.74 %	1.07	1.11	1.04	1.05	1.05
2,3,4,7,8-PeCDF	1.028	0.029	2.82 %	1.04	1.07	1.00	1.02	1.01
Total F2 PeCDF	1.046	0.029	2.77 %	1.05	1.09	1.02	1.03	1.03
Total F1 PeCDF	1.046	0.029	2.77 %	1.05	1.09	1.02	1.03	1.03
13C-1,2,3,7,8-PeCDD	0.829	0.013	1.57 %	0.83	0.82	0.84	0.81	0.84
1,2,3,7,8-PeCDD	0.793	0.025	3.17 %	0.79	0.84	0.77	0.79	0.78
Total PeCDD	0.793	0.025	3.17 %	0.79	0.84	0.77	0.79	0.78
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.072	0.048	4.45 %	1.04	1.09	1.15	1.03	1.05
1,2,3,4,7,8-HxCDF	1.063	0.048	4.49 %	1.10	1.11	1.00	1.06	1.03
1,2,3,6,7,8-HxCDF	1.122	0.057	5.06 %	1.18	1.18	1.08	1.12	1.05
2,3,4,6,7,8-HxCDF	1.048	0.041	3.96 %	1.10	1.08	1.00	1.05	1.01
1,2,3,7,8,9-HxCDF	0.953	0.041	4.28 %	0.99	1.00	0.91	0.94	0.92
Total HxCDF	1.046	0.046	4.37 %	1.09	1.09	1.00	1.05	1.00
13C-1,2,3,6,7,8-HxCDD	0.888	0.046	5.21 %	0.87	0.93	0.94	0.84	0.85
1,2,3,4,7,8-HxCDD	1.114	0.066	5.92 %	1.18	1.12	1.01	1.15	1.11

1,2,3,6,7,8-HxCDD	1.159	0.042	3.60 %	1.21	1.17	1.16	1.15	1.10
1,2,3,7,8,9-HxCDD	1.202	0.042	3.49 %	1.26	1.20	1.16	1.22	1.17
Total HxCDD	1.158	0.044	3.80 %	1.22	1.17	1.11	1.17	1.13
13C-1,2,3,4,6,7,8-HpCDF	0.948	0.024	2.48 %	0.94	0.95	0.99	0.93	0.93
1,2,3,4,6,7,8-HpCDF	1.435	0.063	4.40 %	1.50	1.50	1.39	1.41	1.36
1,2,3,4,7,8,9-HpCDF	1.227	0.052	4.20 %	1.28	1.29	1.18	1.19	1.19
Total HpCDF	1.331	0.057	4.25 %	1.39	1.39	1.29	1.30	1.28
13C-1,2,3,4,6,7,8-HpCDD	1.075	0.030	2.75 %	1.06	1.07	1.13	1.06	1.05
1,2,3,4,6,7,8-HpCDD	0.895	0.032	3.57 %	0.93	0.93	0.87	0.88	0.87
Total HpCDD	0.895	0.032	3.57 %	0.93	0.93	0.87	0.88	0.87
13C-OCDD	0.690	0.017	2.46 %	0.70	0.68	0.70	0.66	0.69
OCDF	1.180	0.028	2.37 %	1.18	1.22	1.14	1.18	1.17
OCDD	1.139	0.055	4.82 %	1.20	1.20	1.10	1.12	1.08

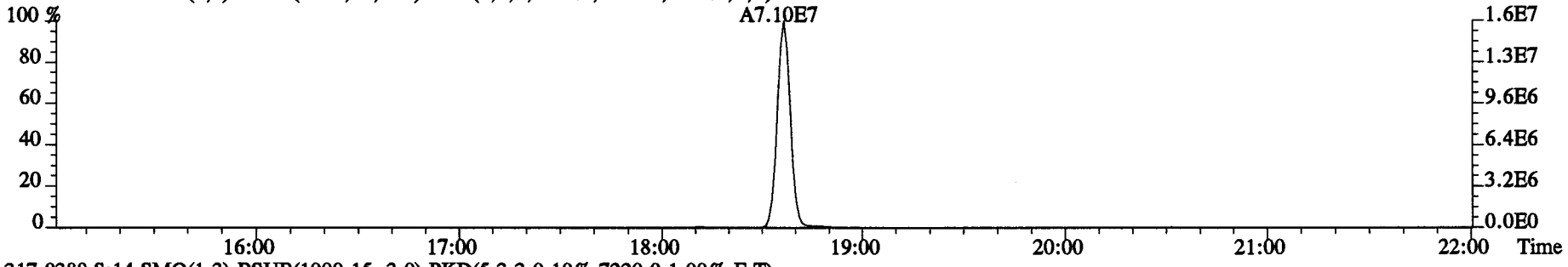
File:14DE10A9D5 #1-464 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES
303.9016 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14740.0,1.00%,F,T)



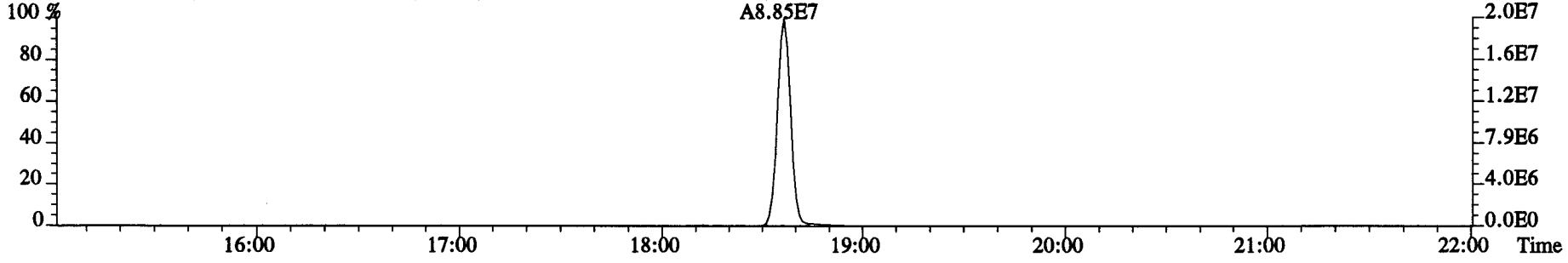
305.8987 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7516.0,1.00%,F,T)



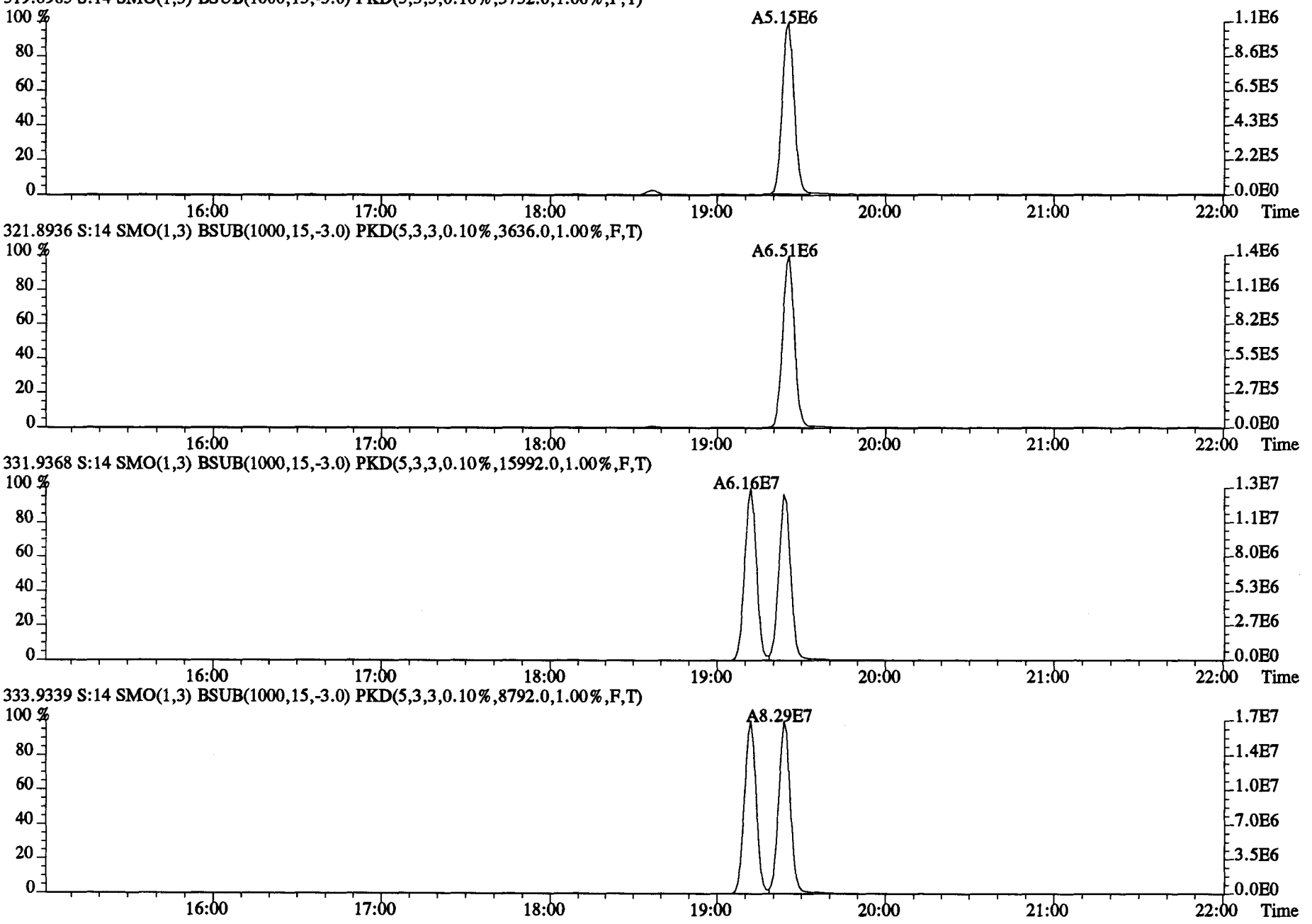
315.9419 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256.0,1.00%,F,T)



317.9389 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7220.0,1.00%,F,T)

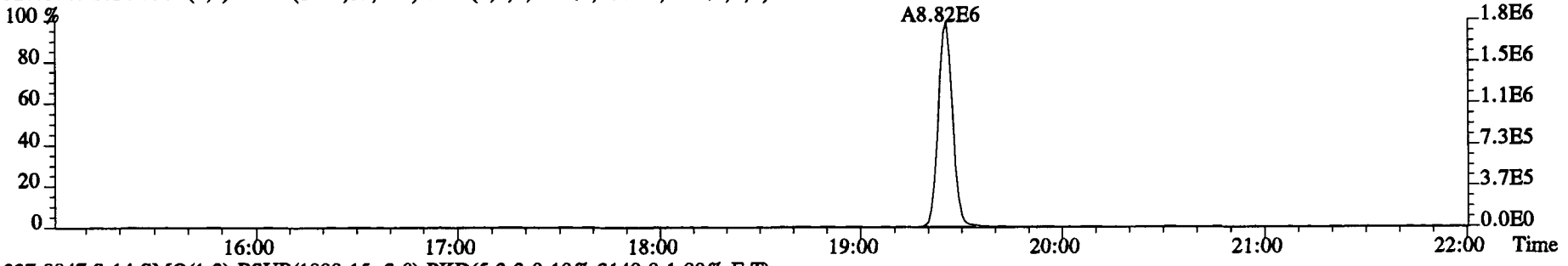


File:14DE10A9D5 #1-464 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES

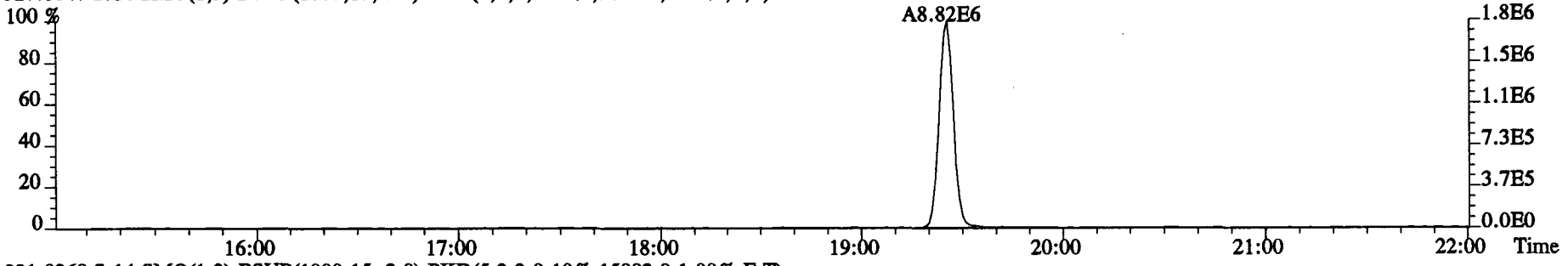


File:14DE10A9D5 #1-464 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES

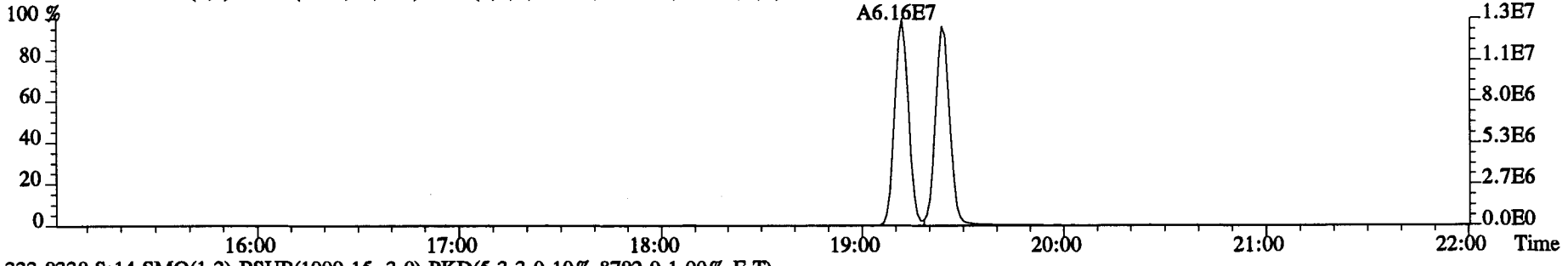
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



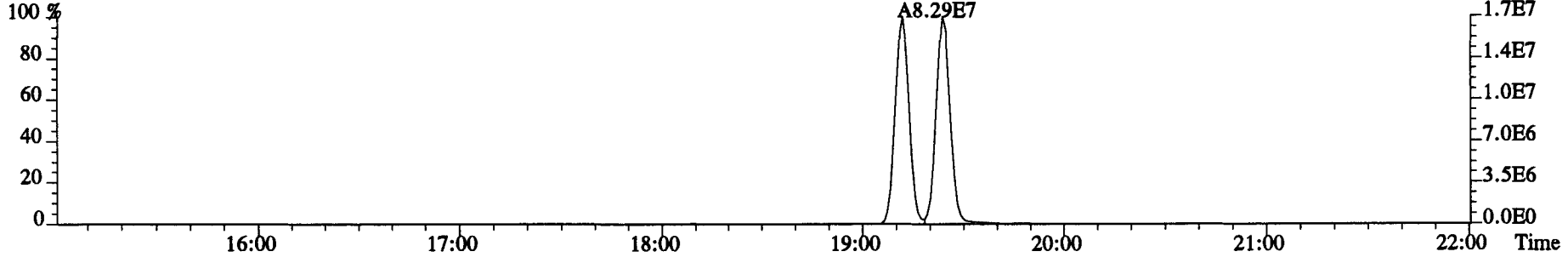
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3140.0,1.00%,F,T)



331.9368 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15992.0,1.00%,F,T)

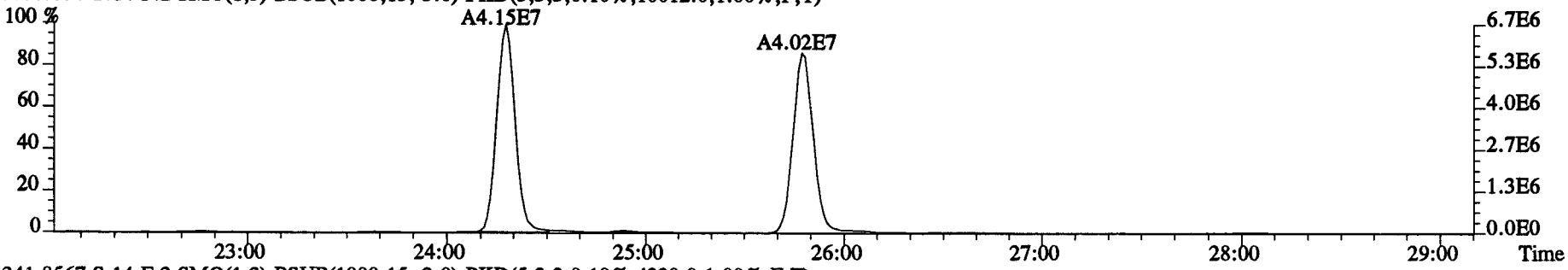


333.9339 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8792.0,1.00%,F,T)

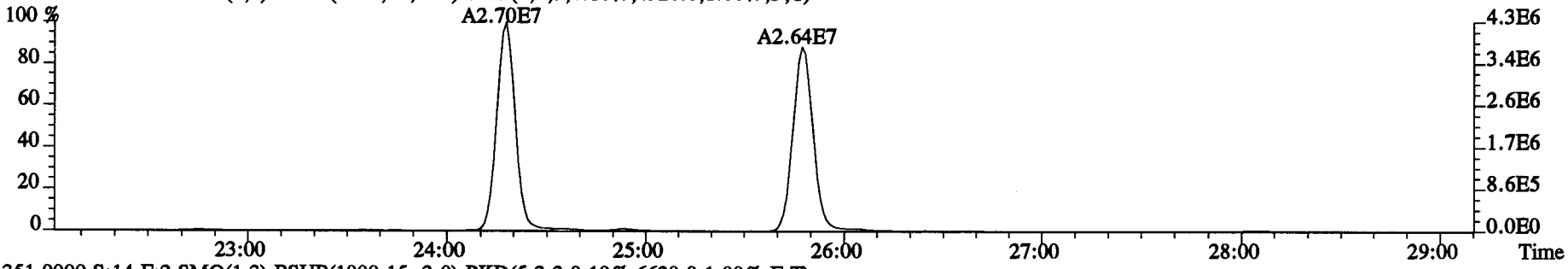


File:14DE10A9D5 #1-459 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES

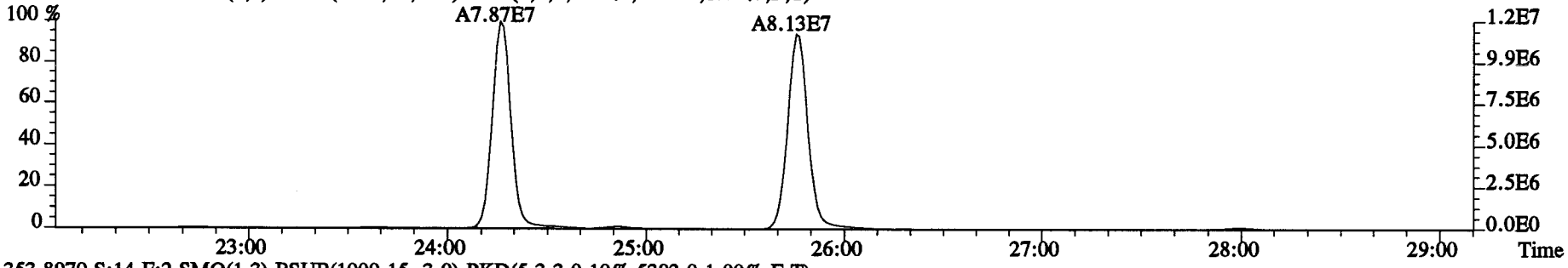
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10012.0,1.00%,F,T)



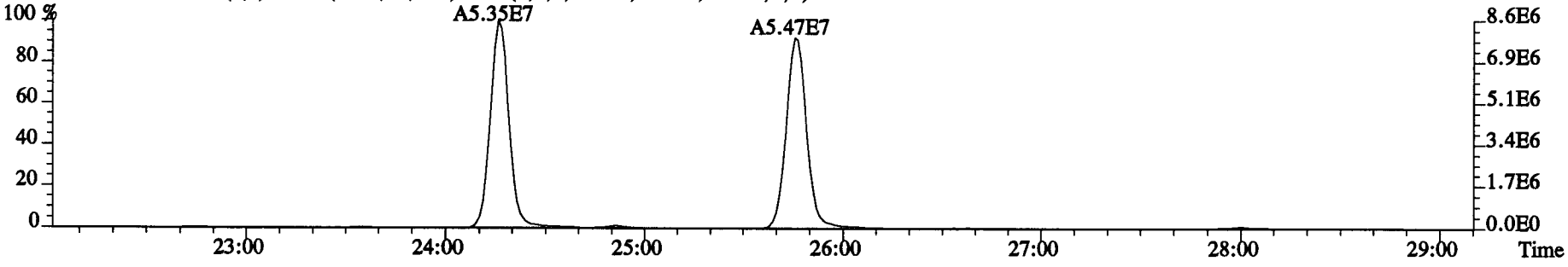
341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4320.0,1.00%,F,T)



351.9000 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6620.0,1.00%,F,T)

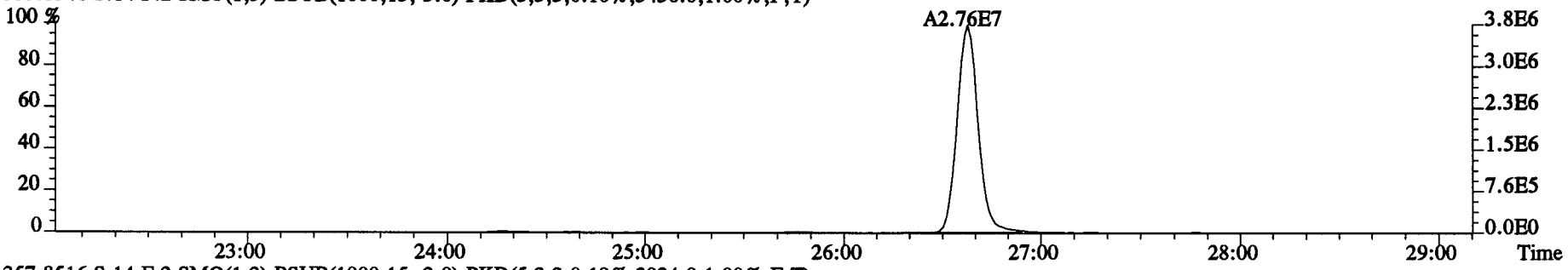


353.8970 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5392.0,1.00%,F,T)

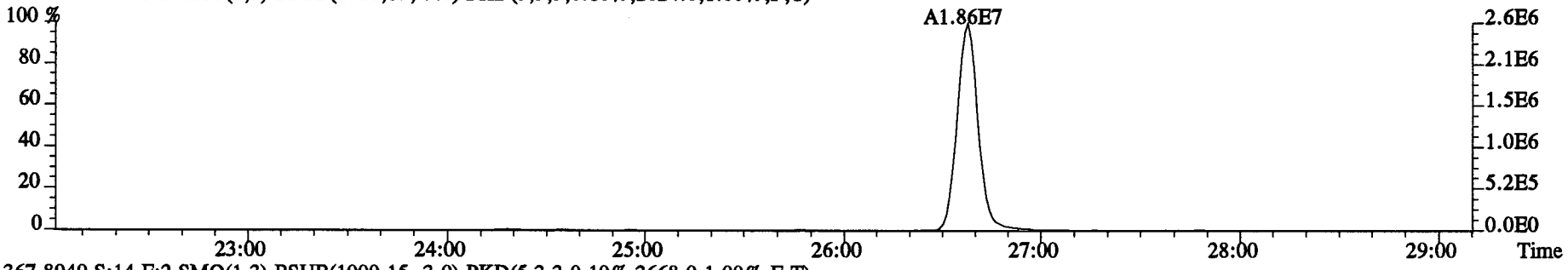


File:14DE10A9D5 #1-459 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES

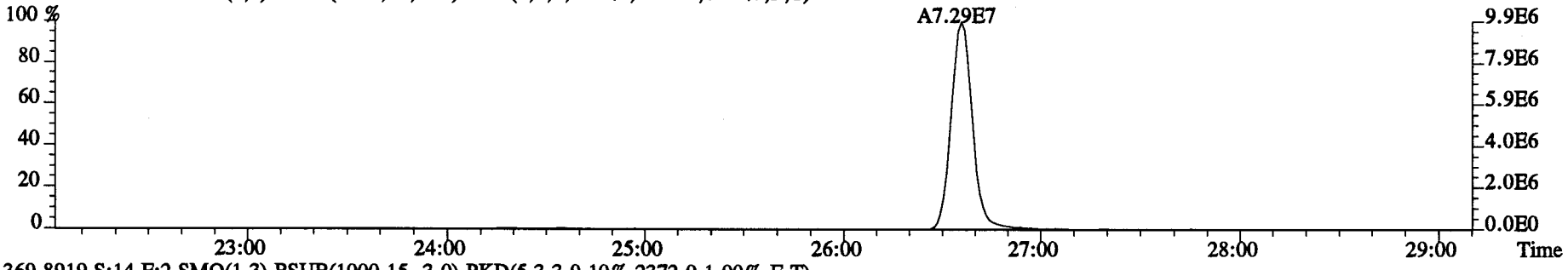
355.8546 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3436.0,1.00%,F,T)



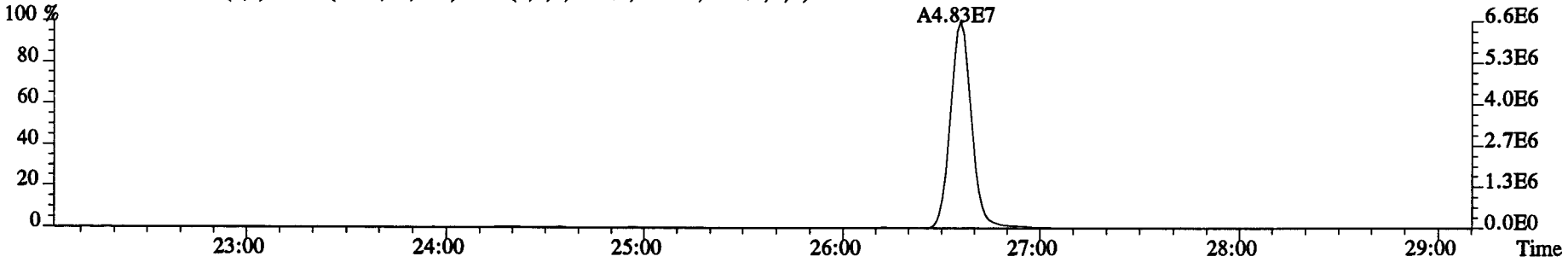
357.8516 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2024.0,1.00%,F,T)



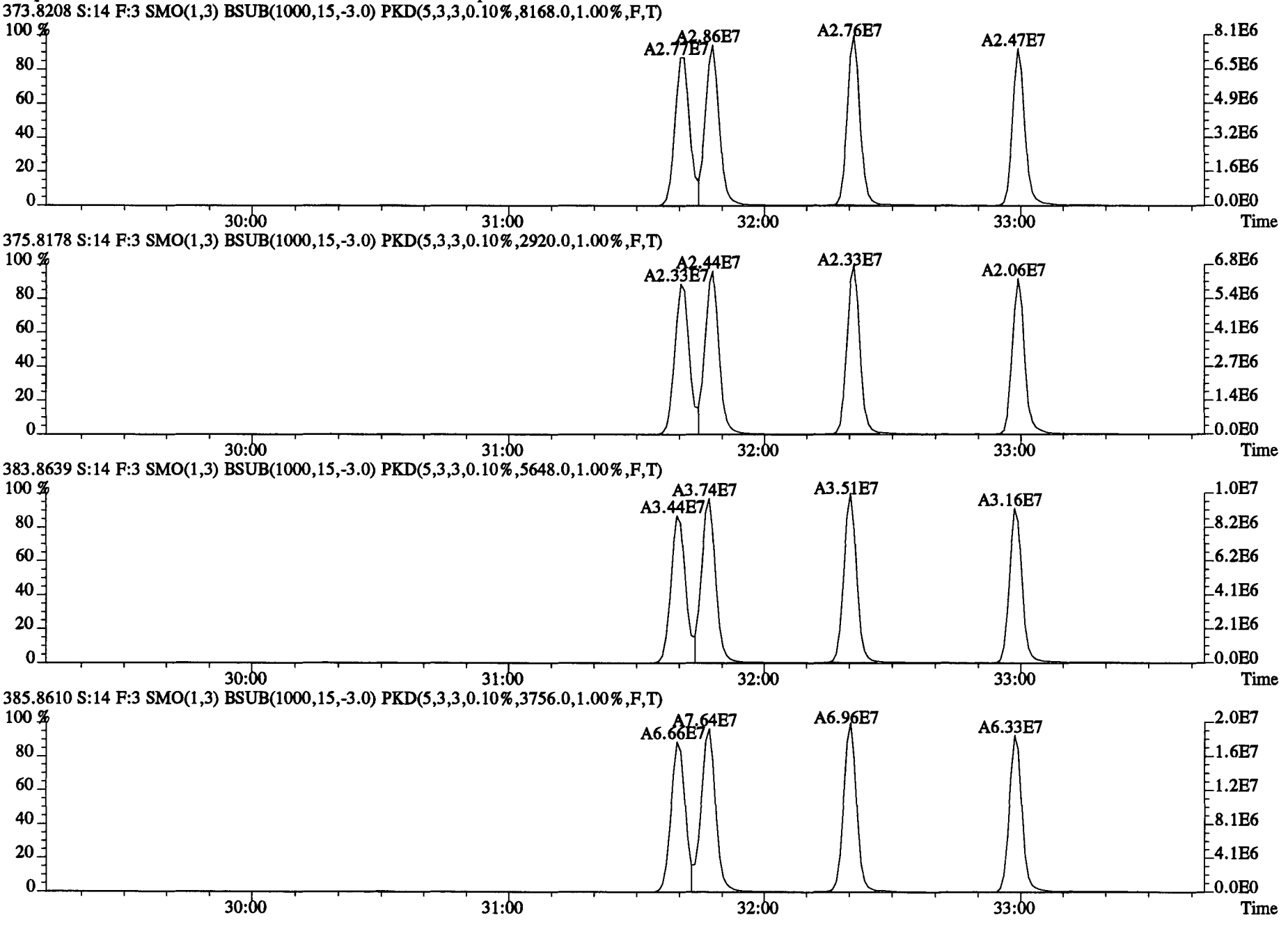
367.8949 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3668.0,1.00%,F,T)



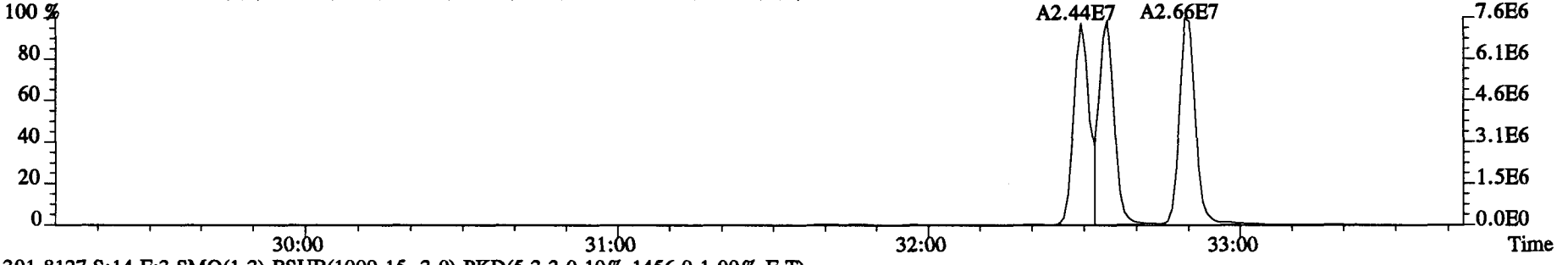
369.8919 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2372.0,1.00%,F,T)



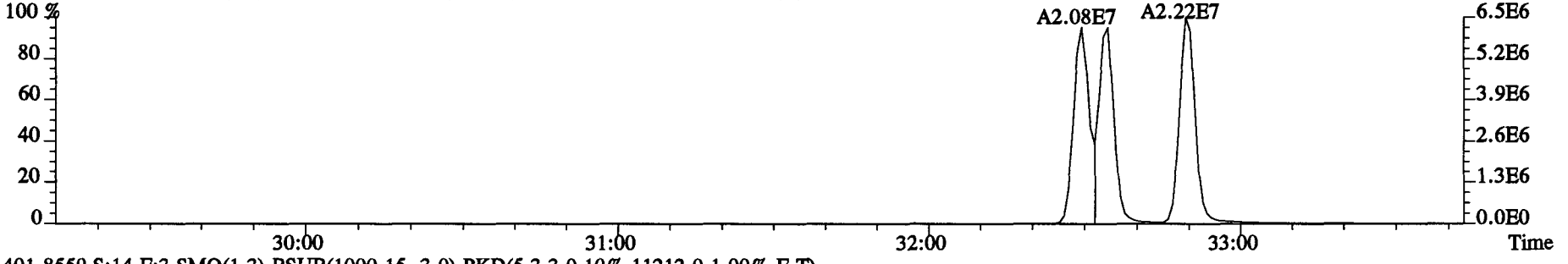
File:14DE10A9D5 #1-326 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES



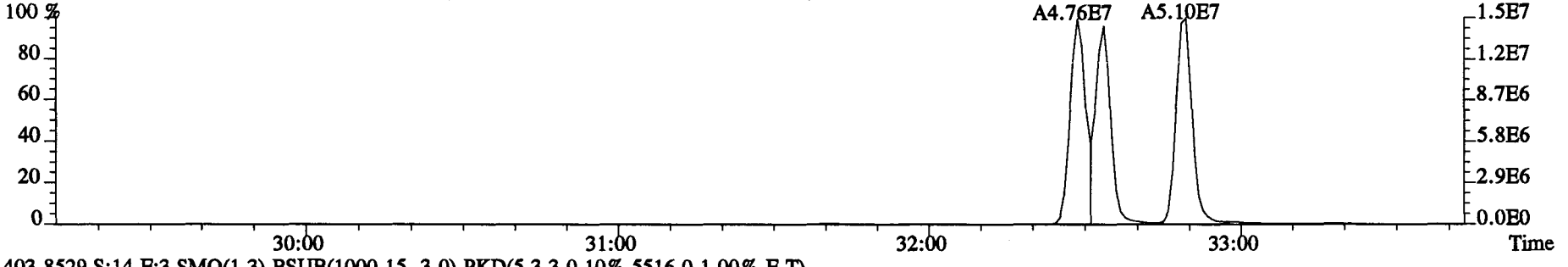
File:14DE10A9D5 #1-326 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES
389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1912.0,1.00%,F,T)



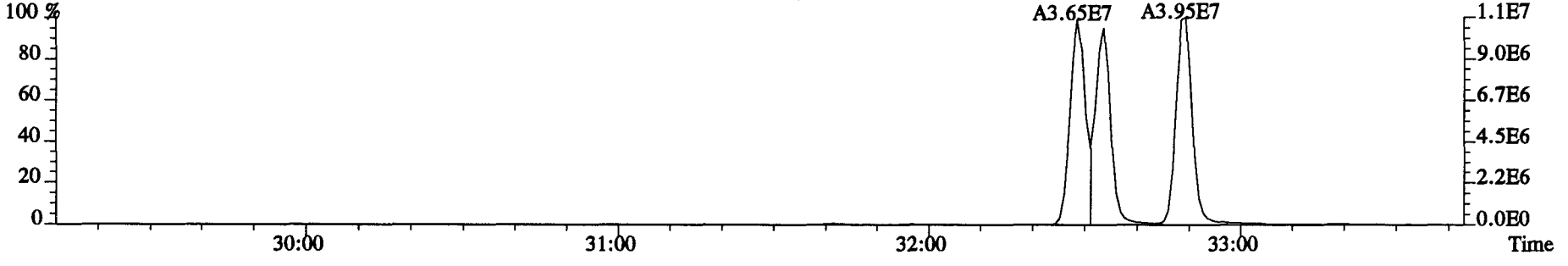
391.8127 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456.0,1.00%,F,T)



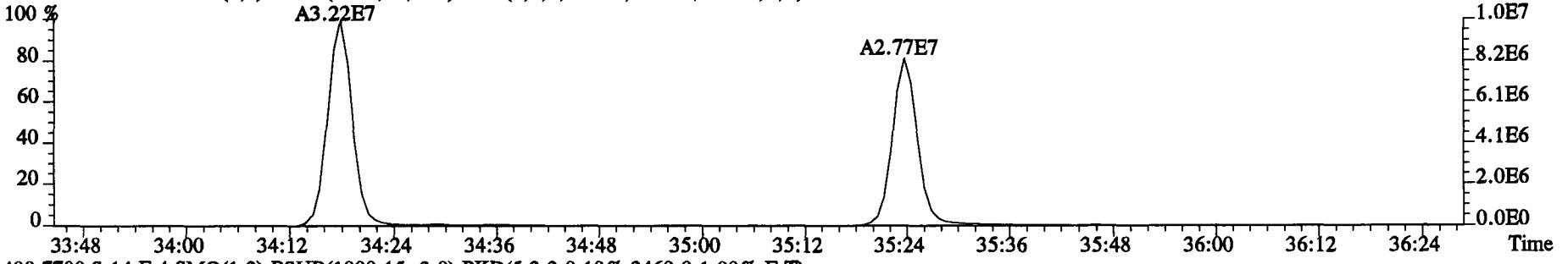
401.8559 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11212.0,1.00%,F,T)



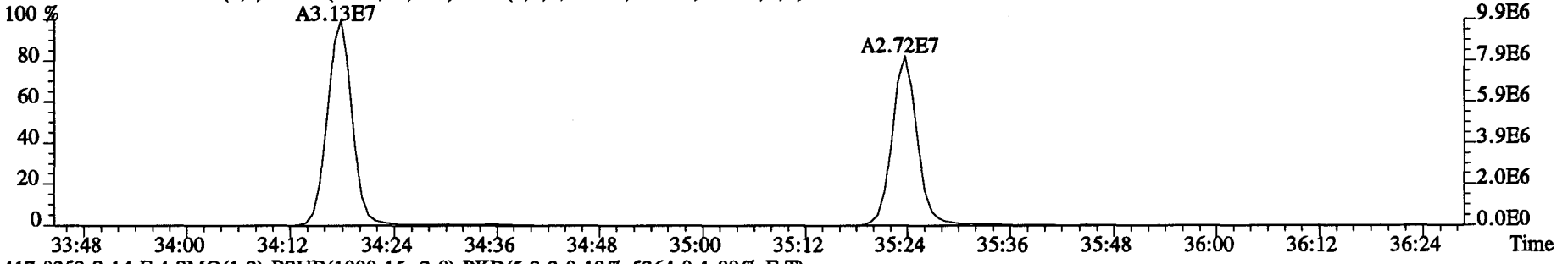
403.8529 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5516.0,1.00%,F,T)



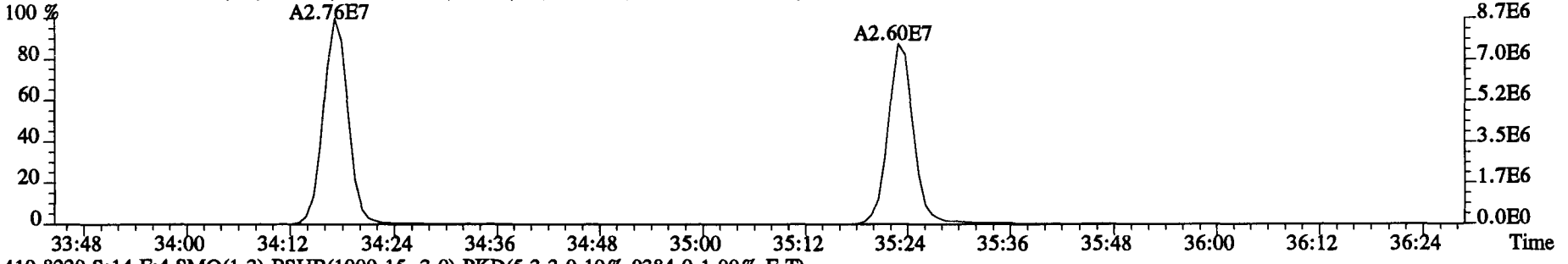
File:14DE10A9D5 #1-208 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7800.0,1.00%,F,T)



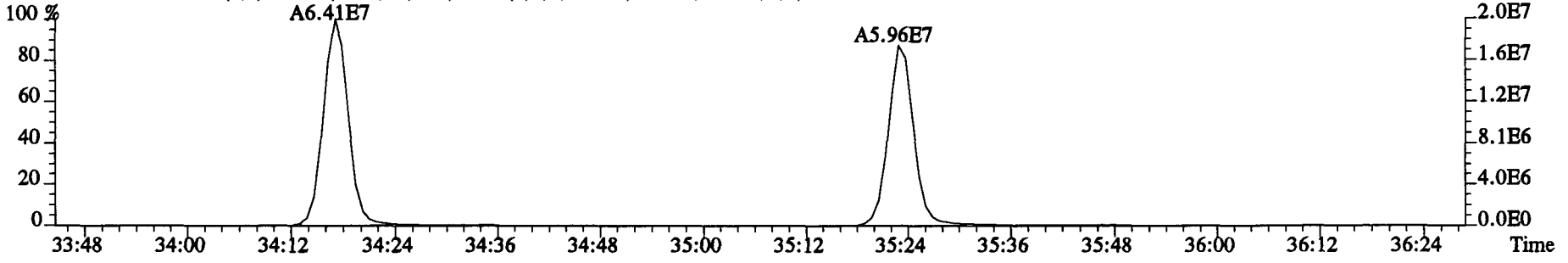
409.7789 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2460.0,1.00%,F,T)



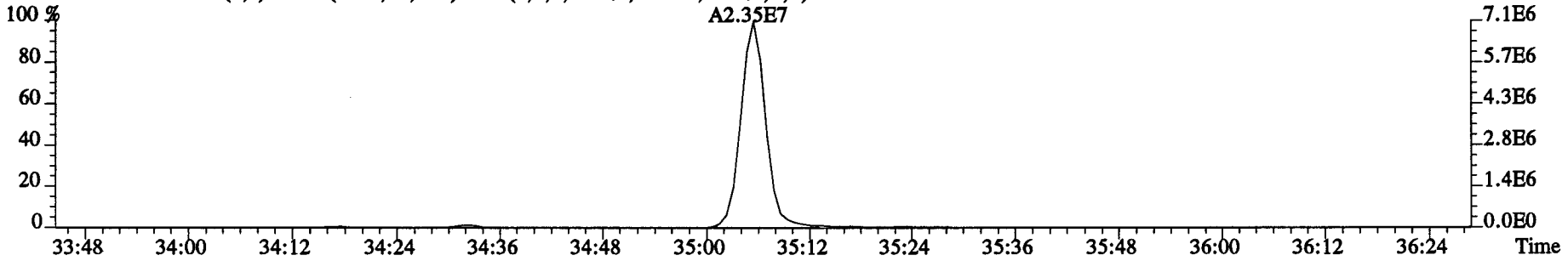
417.8253 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5264.0,1.00%,F,T)



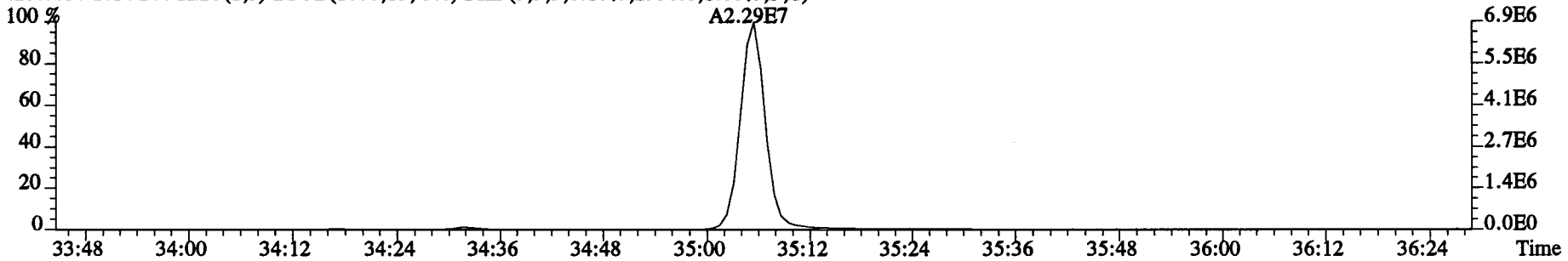
419.8220 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9384.0,1.00%,F,T)



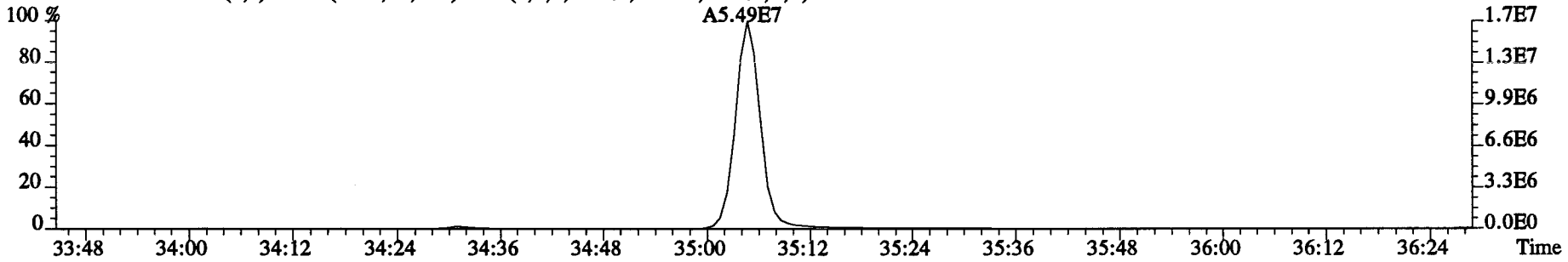
File:14DE10A9D5 #1-208 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES
423.7766 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2792.0,1.00%,F,T)



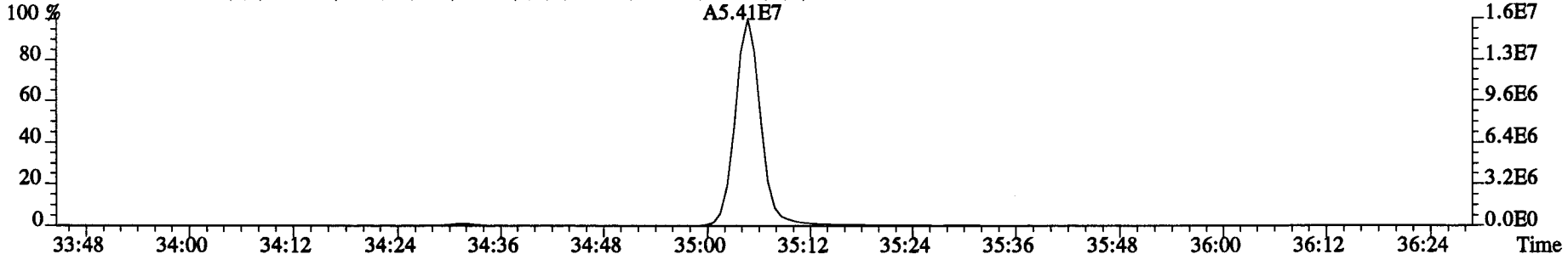
425.7737 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2956.0,1.00%,F,T)



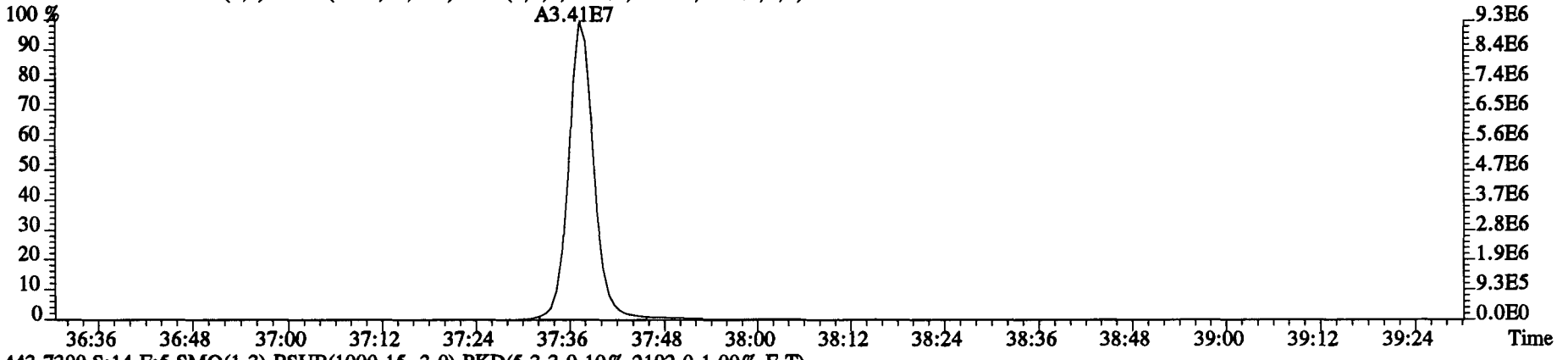
435.8169 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9336.0,1.00%,F,T)



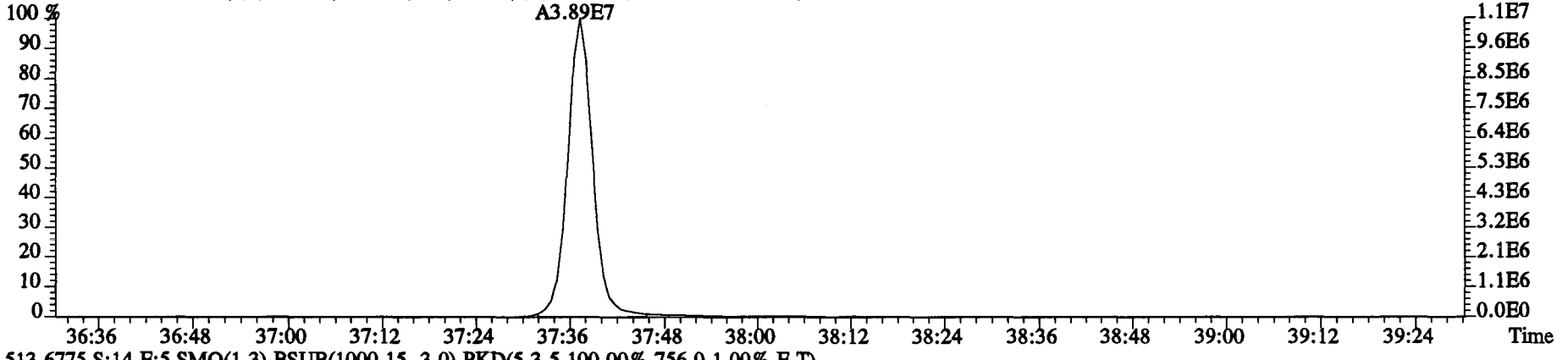
437.8140 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8352.0,1.00%,F,T)



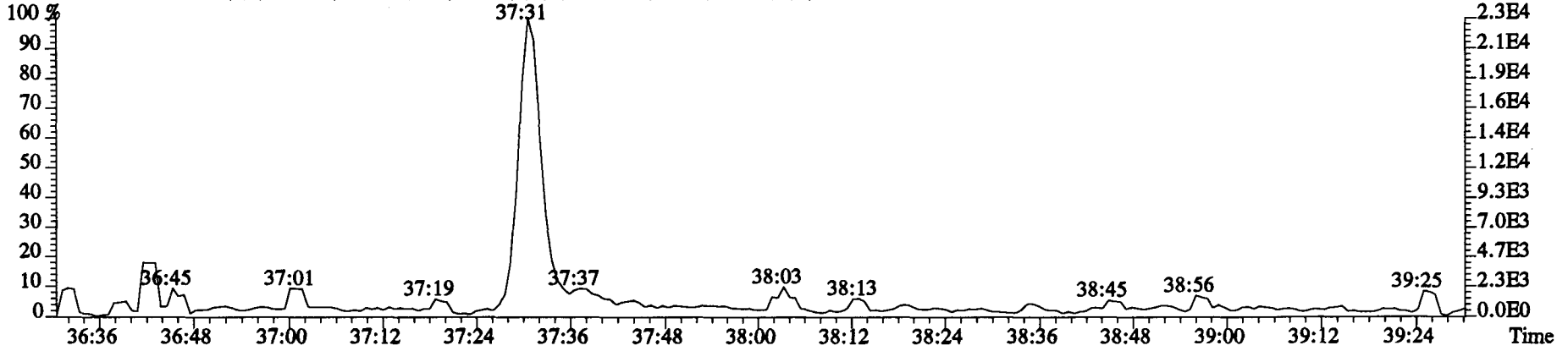
File:14DE10A9D5 #1-243 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES
441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1904.0,1.00%,F,T)



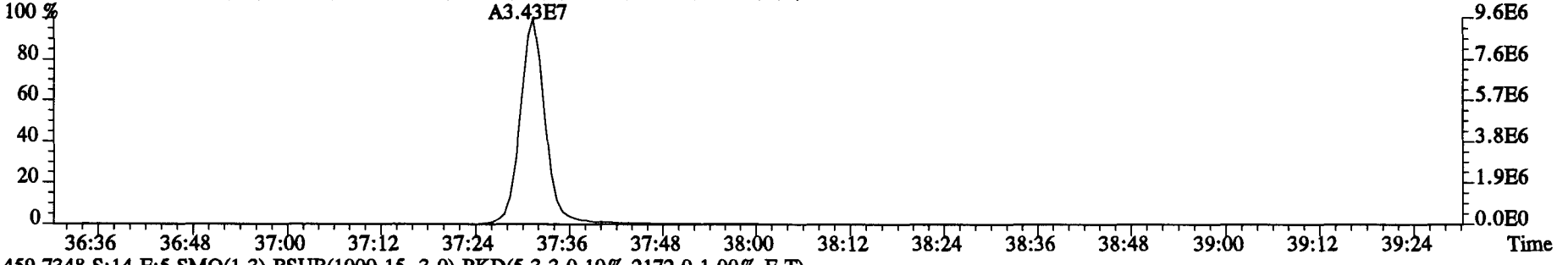
443.7399 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2192.0,1.00%,F,T)



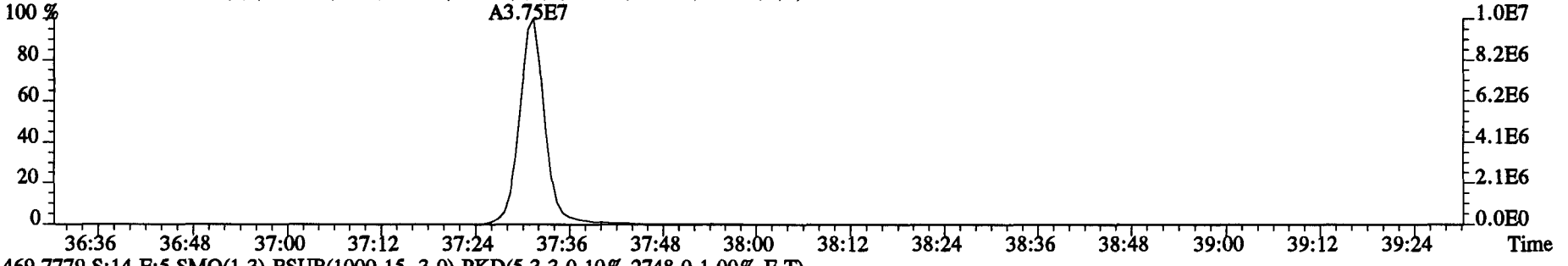
513.6775 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,756.0,1.00%,F,T)



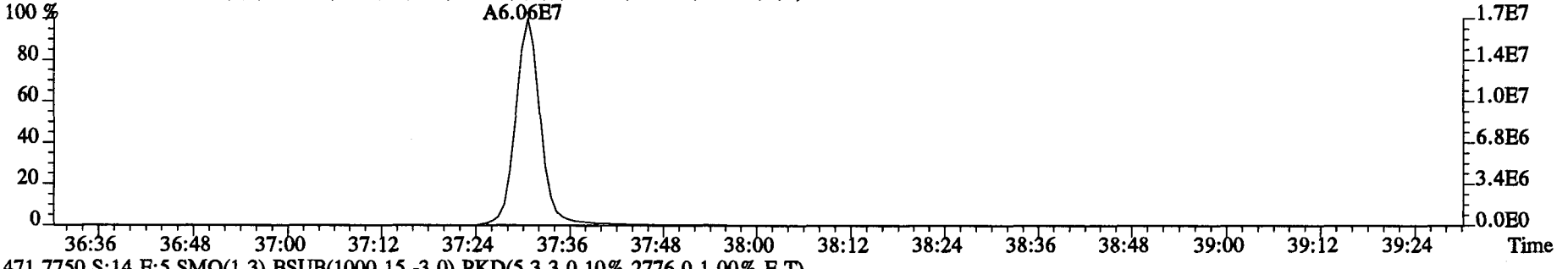
File:14DE10A9D5 #1-243 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES
457.7377 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T)



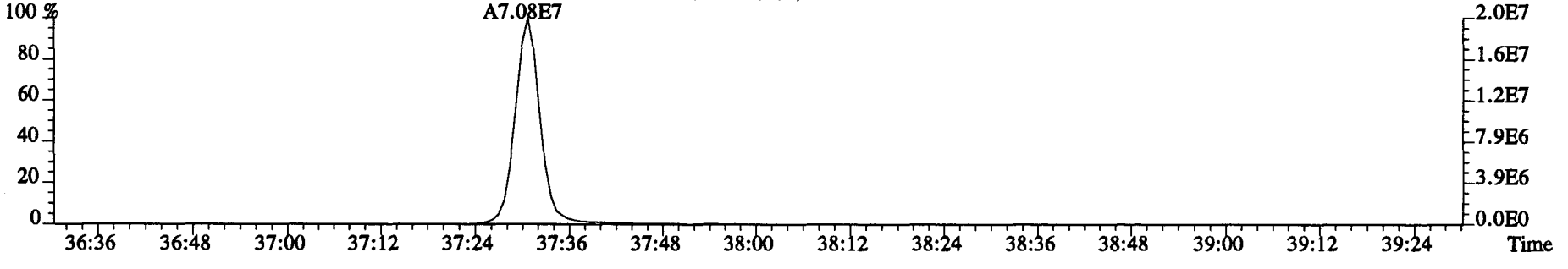
459.7348 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2172.0,1.00%,F,T)



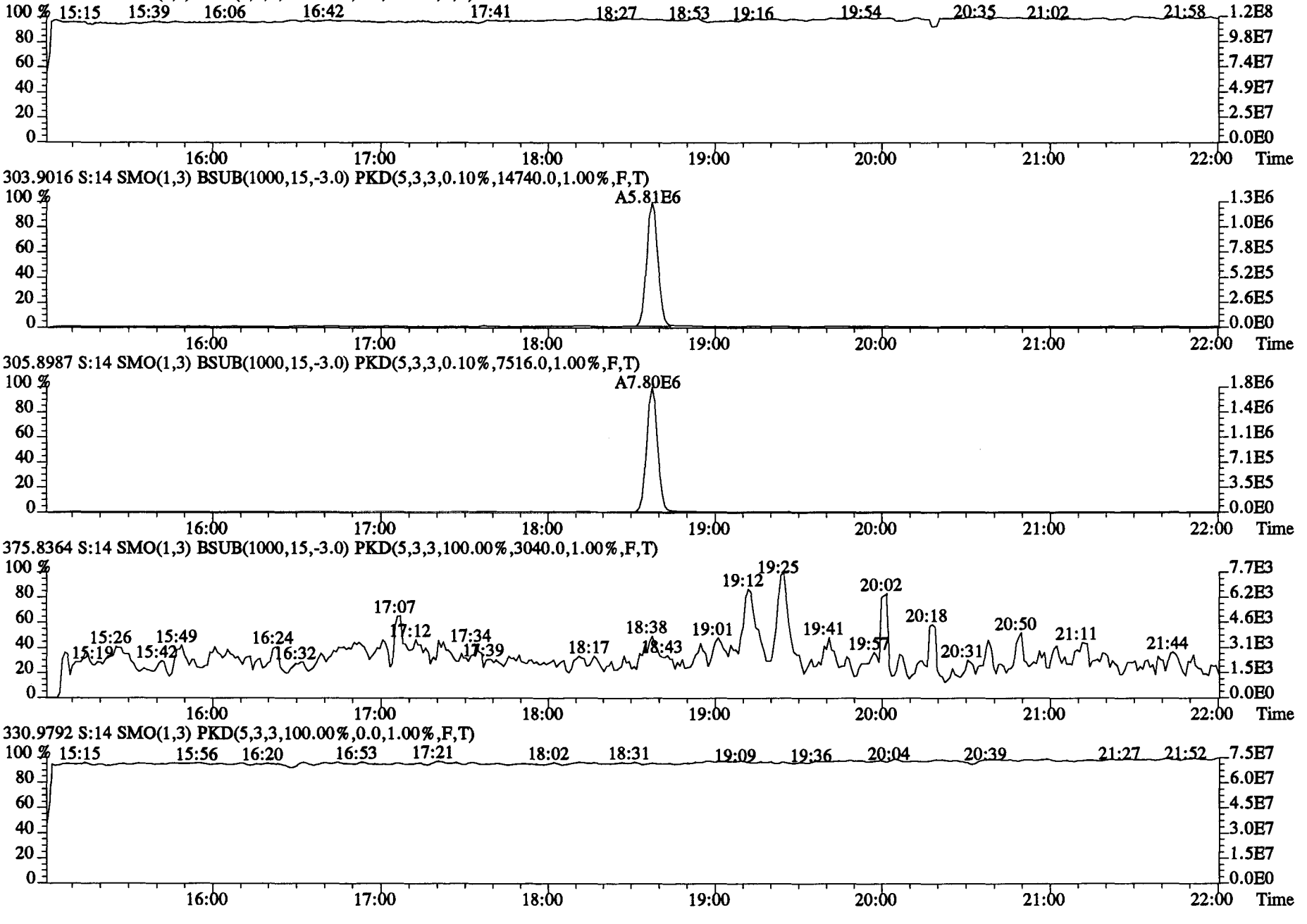
469.7779 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2748.0,1.00%,F,T)



471.7750 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2776.0,1.00%,F,T)

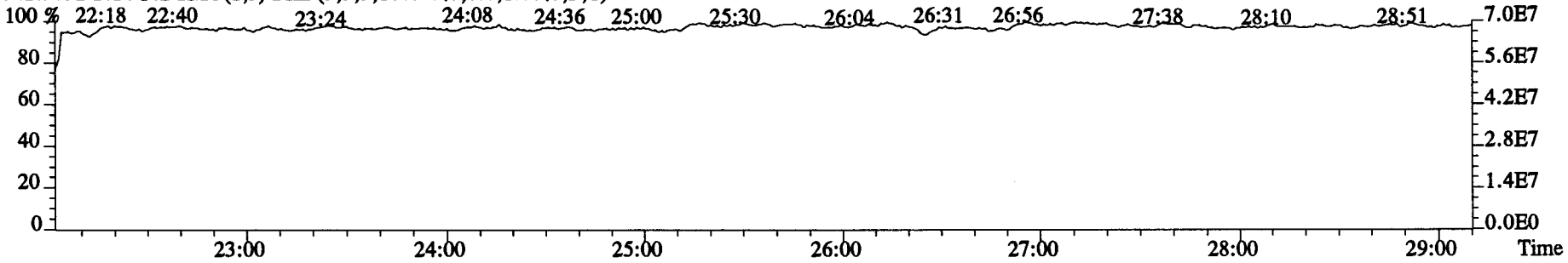


File:14DE10A9D5 #1-464 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES

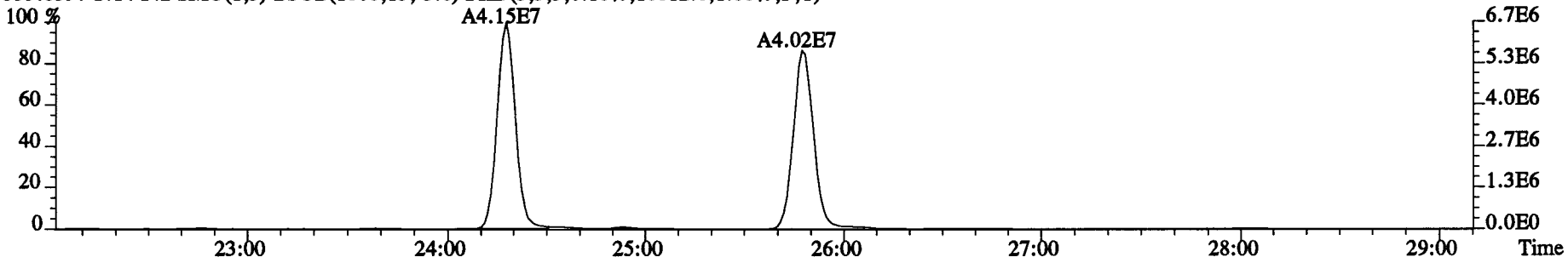


File:14DE10A9D5 #1-459 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES

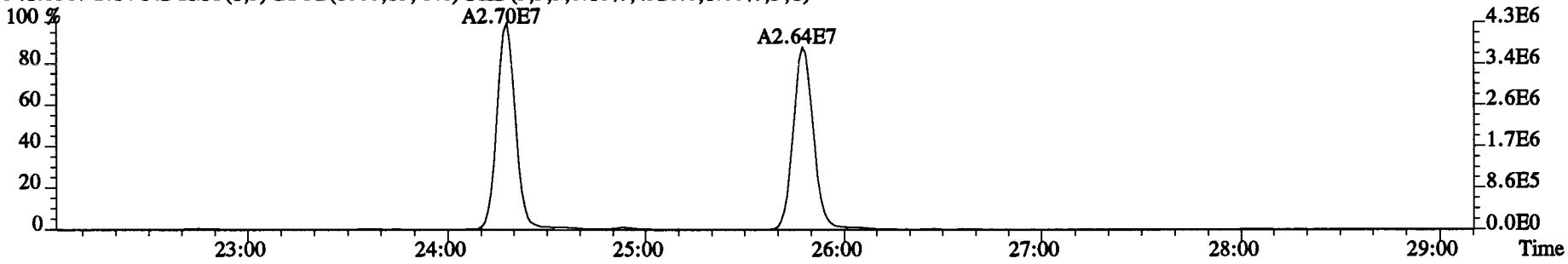
342.9792 S:14 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



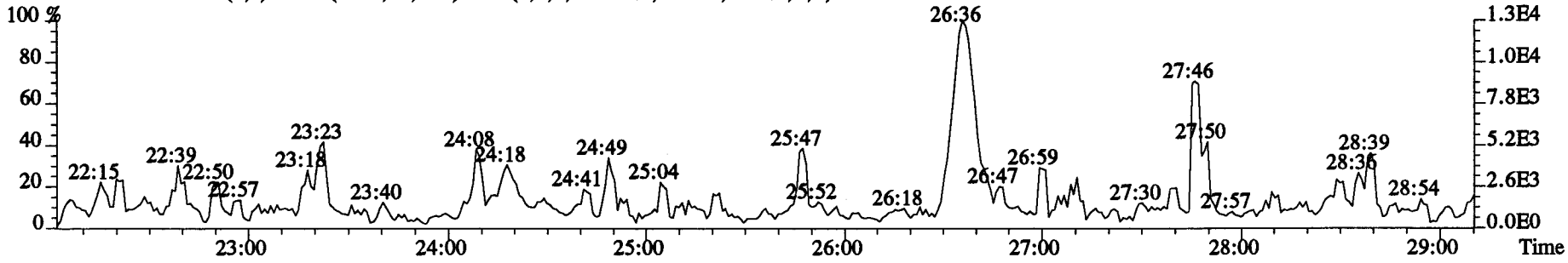
339.8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10012.0,1.00%,F,T)



341.8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4320.0,1.00%,F,T)



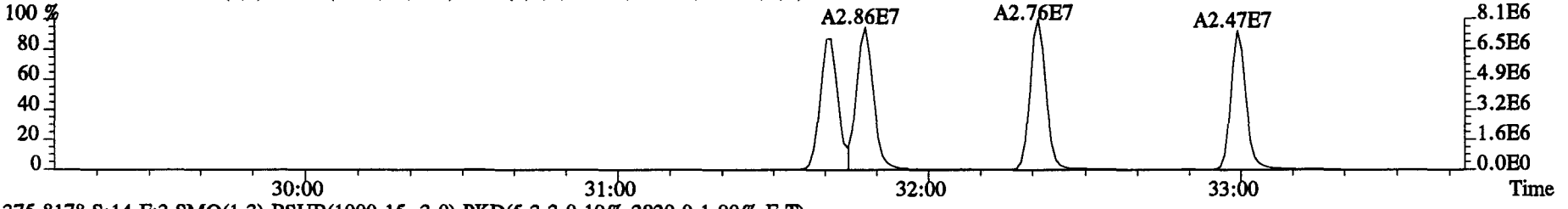
409.7974 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1432.0,1.00%,F,T)



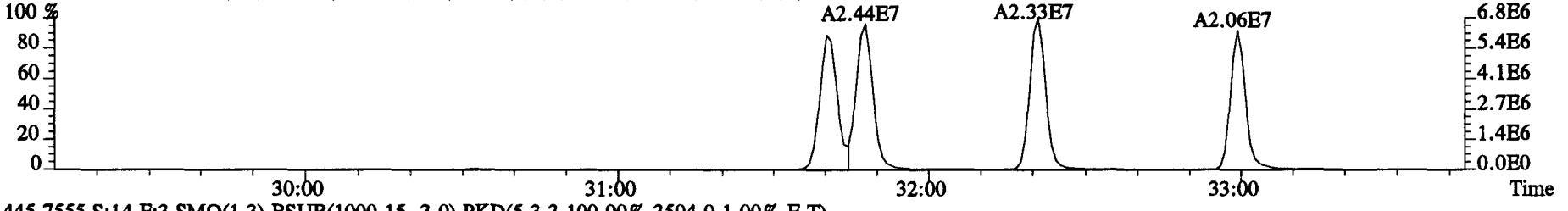
File:14DE10A9D5 #1-326 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES

392.9760 S:14 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

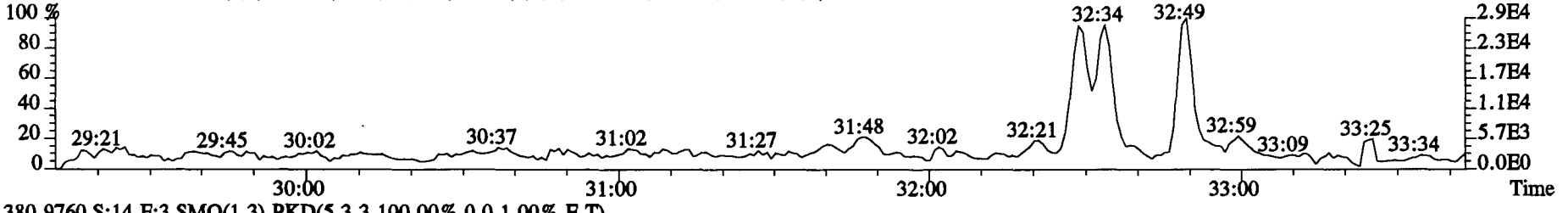
373.8208 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8168.0,1.00%,F,T)



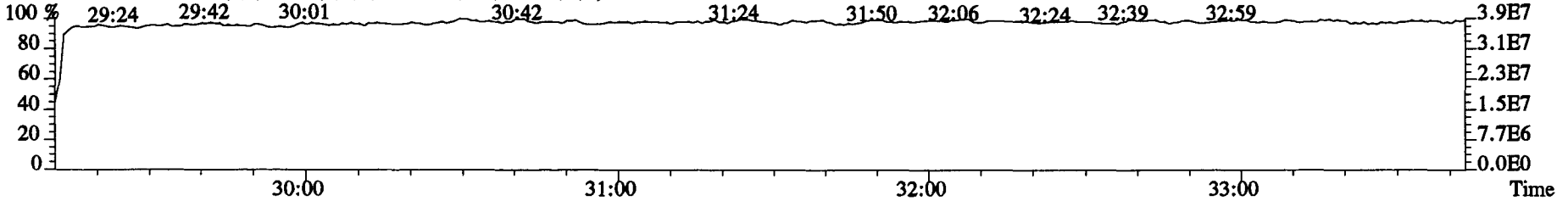
375.8178 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2920.0,1.00%,F,T)



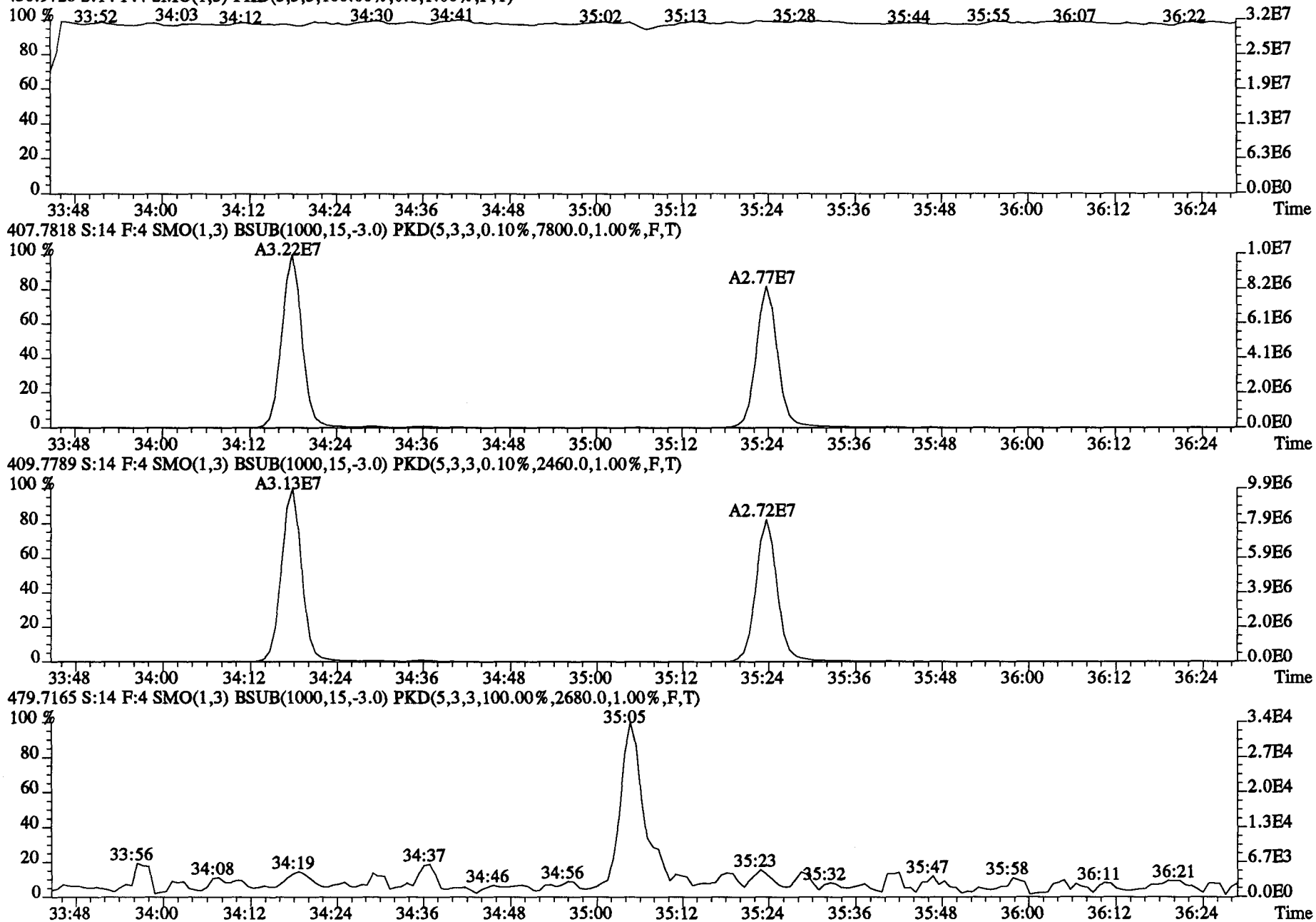
445.7555 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3504.0,1.00%,F,T)



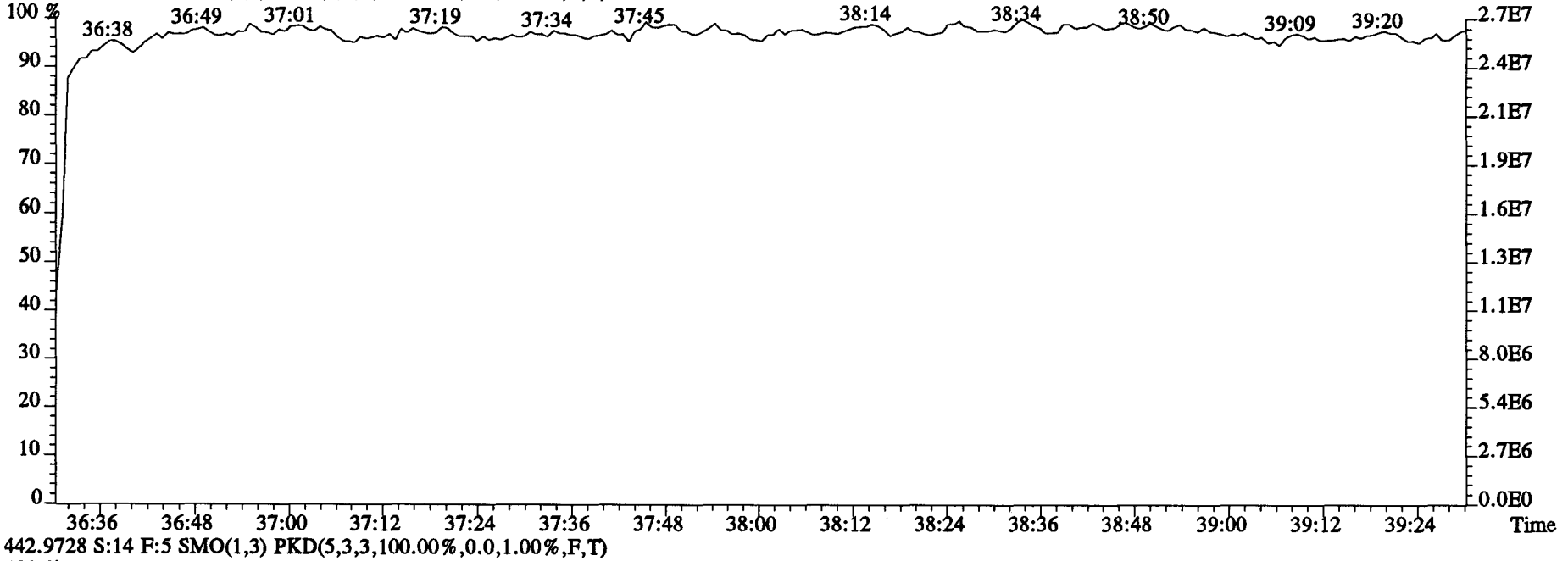
380.9760 S:14 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



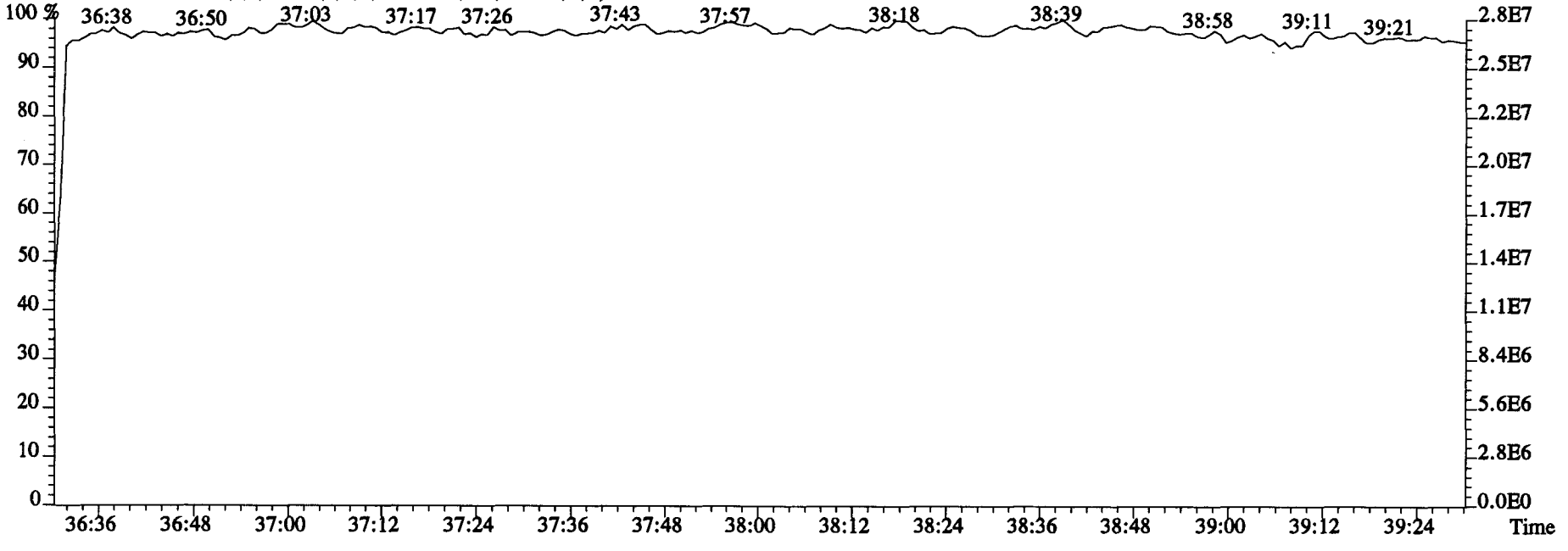
File:14DE10A9D5 #1-208 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES



File:14DE10A9D5 #1-243 Acq:15-DEC-2010 00:27:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 Text:ST1214F :CS-3 10DXN505 Exp:DIOXINRES
454.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



442.9728 S:14 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID ICA092910105 (8290, 1613, TETRAS) (23, 0023A) (TO9)

Method ID 8290, 1613B

Date Scanned 10-1-10

Column ID DB5

Instrument ID 10D5

STD ID's STO929, A, B, C, D

STD Solution 10DXN (342, 335, 426, 337, 339)

GC Program Dioxin

Multiplier Setting 350V

Analyzed By JRB

Date Analyzed 9/29/10

Prepared By JRB

Date Prepared 9/30/10

Reviewed By M.G

Date Reviewed 9/30/10

	ANALYZED BY	REVIEWED BY
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

CS3 RTs : 13C-1,2,3,4-TCDD = 19.61 ; 13C-1,2,3,7,8,9-HxCDD = 33.26

*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

C:\Documents and Settings\lores\Desktop\QA-384 Dioxins ICAL Checklist_10d5.doc
QA-384 7/26/06 DAW

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:27:13 Pacific Standard Time
Printed: Monday, December 13, 2010 11:27:49 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: 13 Dec 2010 11:27:13

#	Name	RRF Mean	RRF SD	RRF %RSD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.31203	0.02602	1.98292
4	2,3,7,8-TCDF	0.99766	0.05398	5.41067
5	Total TCDFs	0.99766	0.05398	5.41067
6				
7	13C-2,3,7,8-TCDD	0.90938	0.03350	3.68426
8	2,3,7,8-TCDD	1.03464	0.03788	3.66087
9	Total TCDDs	1.03464	0.03788	3.66088
10				
11	37CL-2,3,7,8-TCDD	0.65529	0.04007	6.11558
12				
13	13C-1,2,3,7,8-PeCDF	1.02378	0.03366	3.28821
14	1,2,3,7,8-PeCDF	1.09163	0.07636	6.99532
15	2,3,4,7,8-PeCDF	1.06412	0.07093	6.66572
16	Total F2 PeCDFs	1.07787	0.07357	6.82587
17	Total F1 PeCDFs	1.07787	0.07357	6.82587
18				
19	13C-1,2,3,7,8-PeCDD	0.73445	0.03188	4.34090
20	1,2,3,7,8-PeCDD	0.96030	0.07379	7.68439
21	Total PeCDDs	0.96030	0.07379	7.68439
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	1.04941	0.04078	3.88633
26	1,2,3,4,7,8-HxCDF	1.31260	0.08060	6.14026
27	1,2,3,6,7,8-HxCDF	1.43801	0.08073	5.61377
28	2,3,4,6,7,8-HxCDF	1.35233	0.06680	4.93996
29	1,2,3,7,8,9-HxCDF	1.19752	0.07420	6.19643
30	Total HxCDFs	1.32511	0.07456	5.62649
31				
32	13C-1,2,3,6,7,8-HxCDD	0.90452	0.04739	5.23895
33	1,2,3,4,7,8-HxCDD	0.98150	0.11886	12.11042
34	1,2,3,6,7,8-HxCDD	1.09425	0.09074	8.29235
35	1,2,3,7,8,9-HxCDD	1.05784	0.11025	10.42210
36	Total HxCDDs	1.04453	0.10589	10.13757
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.95391	0.04593	4.81530
39	1,2,3,4,6,7,8-HpCDF	1.46280	0.08159	5.57799
40	1,2,3,4,7,8,9-HpCDF	1.23081	0.07706	6.26095
41	Total HpCDFs	1.34680	0.07868	5.84221
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.84836	0.04441	5.23520
44	1,2,3,4,6,7,8-HpCDD	1.05453	0.09764	9.25898
45	Total HpCDDs	1.05453	0.09764	9.25898
46				
47	13C-OCDD	0.67464	0.02285	3.38633

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:27:13 Pacific Standard Time
Printed: Monday, December 13, 2010 11:27:49 Pacific Standard Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.48610	0.14046	9.45134
49	OCDD	1.14618	0.09332	8.14138
50				
51				
52	Function 1 PFK			
53	Function 2 PFK			
54	Function 3 PFK			
55	Function 4 PFK			
56	Function 5 PFK			
57	TCDF PCDPE			
58	F1 PeCDF PCDPE			
59	F2 PeCDF PCDPE			
60	HXCDF PCDPE			
61	HPCDF PCDPE			
62	OCDF PCDPE			

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:27:13 Pacific Standard Time
Printed: Monday, December 13, 2010 11:27:29 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: 13 Dec 2010 11:27:13

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio Act	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	19.61	100.0	609693	1.00000	0.838	NO	
2				1.0					
3	13C-2,3,7,8-TCDF	315.9419	19.02	100.0	794593	1.30327	0.769	NO	
4	2,3,7,8-TCDF	303.9016	19.04	0.5	3679	0.92612	0.849	NO	13-Dec-10
5	Total TCDFs	303.9016		0.5					
6				1.0					
7	13C-2,3,7,8-TCDD	331.9368	19.82	100.0	558616	0.91623	0.843	NO	
8	2,3,7,8-TCDD	319.8965	19.85	0.5	2866	1.02618	0.804	NO	
9	Total TCDDs	319.8965		0.5					
10				1.0					
11	37CL-2,3,7,8-TCDD	327.8847	19.88	0.5	1953	0.69937			
12				1.0					
13	13C-1,2,3,7,8-PeCDF	351.9000	24.86	100.0	641135	1.05157	1.586	NO	
14	1,2,3,7,8-PeCDF	339.8597	24.87	2.5	15974	0.99658	1.501	NO	
15	2,3,4,7,8-PeCDF	339.8597	26.43	2.5	15749	0.98258	1.674	NO	
16	Total F2 PeCDFs	339.8597		2.5					
17	Total F1 PeCDFs	339.8597		2.5					
18				1.0					
19	13C-1,2,3,7,8-PeCDD	367.8949	27.24	100.0	468088	0.76774	1.587	NO	
20	1,2,3,7,8-PeCDD	355.8546	27.29	2.5	9964	0.85145	1.510	NO	
21	Total PeCDDs	355.8546		2.5					
22				1.0					
23	13C-1,2,3,7,8,9-HxCDD	401.8559	33.26	100.0	476418	1.00000	1.179	NO	
24				1.0					
25	13C-1,2,3,4,7,8-HxCDF	383.8639	32.11	100.0	499884	1.04926	0.520	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	32.13	2.5	14925	1.19431	1.279	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	32.25	2.5	16615	1.32954	1.196	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.79	2.5	15750	1.26030	1.301	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	33.44	2.5	14040	1.12345	1.299	NO	
30	Total HxCDFs	373.8208		2.5					
31				1.0					
32	13C-1,2,3,6,7,8-HxCDD	401.8559	33.00	100.0	455626	0.95636	1.275	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.93	2.5	9211	0.80862	1.251	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	33.01	2.5	11126	0.97675	1.268	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	33.27	2.5	10487	0.92066	1.315	NO	
36	Total HxCDDs	389.8157		2.5					
37				1.0					
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.79	100.0	455314	0.95570	0.456	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.80	2.5	15770	1.38545	1.052	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.95	2.5	13045	1.14604	1.025	NO	
41	Total HpCDFs	407.7818		2.5					
42				1.0					
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.62	100.0	415880	0.87293	0.990	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.63	2.5	9485	0.91228	1.134	NO	
45	Total HpCDDs	423.7766		2.5					
46				1.0					

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:27:13 Pacific Standard Time
Printed: Monday, December 13, 2010 11:27:29 Pacific Standard Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio Act	Ratio Flag	Mod Date
47	13C-OCDD	469.7779	38.18	200.0	668582	0.70168	0.873	NO	
48	OCDF	441.7428	38.30	5.0	21273	1.27274	0.989	NO	
49	OCDD	457.7377	38.19	5.0	16717	1.00015	0.894	NO	
50				1.0					
51				1.0					
52	Function 1 PFK	330.97920		1.0					
53	Function 2 PFK	342.97920		1.0					
54	Function 3 PFK	380.97600		1.0					
55	Function 4 PFK	430.97290		1.0					
56	Function 5 PFK	442.97280		1.0					
57	TCDF PCDPE	375.8364		1.0					
58	F1 PeCDF PCDPE	409.79740		1.0					
59	F2 PeCDF PCDPE	409.7974		1.0					
60	HXCDF PCDPE	445.7555		1.0					
61	HPCDF PCDPE	479.7165		1.0					
62	OCDF PCDPE	513.67750		1.0					

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\TO910D5.mdb 24 Jul 2009 07:11:07
Calibration: 13 Dec 2010 11:23:43

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio	Ratio Flag	Sat.	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	19.61	100.0	609693	1.00000	0.838	NO		
2				1.0						
3	13C-2,3,7,8-TCDF	315.9419	19.02	100.0	794593	1.30327	0.769	NO		
4	2,3,7,8-TCDF	303.9016	19.04	0.5	3764	0.94748	0.892	YES		
5	Total TCDFs	303.9016		0.5						
6				1.0						
7	13C-2,3,7,8-TCDD	331.9368	19.82	100.0	558616	0.91623	0.843	NO		
8	2,3,7,8-TCDD	319.8965	19.85	0.5	2866	1.02618	0.804	NO		
9	Total TCDDs	319.8965		0.5						
10				1.0						
11	37CL-2,3,7,8-TCDD	327.8847	19.88	0.5	1953	0.69937				
12				1.0						
13	13C-1,2,3,7,8-PeCDF	351.9000	24.86	100.0	641135	1.05157	1.586	NO		
14	1,2,3,7,8-PeCDF	339.8597	24.87	2.5	15974	0.99658	1.501	NO		
15	2,3,4,7,8-PeCDF	339.8597	26.43	2.5	15749	0.98258	1.674	NO		
16	Total F2 PeCDFs	339.8597		2.5						
17	Total F1 PeCDFs	339.8597		2.5						
18				1.0						
19	13C-1,2,3,7,8-PeCDD	367.8949	27.24	100.0	468088	0.76774	1.587	NO		
20	1,2,3,7,8-PeCDD	355.8546	27.29	2.5	9964	0.85145	1.510	NO		
21	Total PeCDDs	355.8546		2.5						
22				1.0						
23	13C-1,2,3,7,8,9-HxCDD	401.8559	33.26	100.0	476418	1.00000	1.179	NO		
24				1.0						
25	13C-1,2,3,4,7,8-HxCDF	383.8639	32.11	100.0	499884	1.04926	0.520	NO		
26	1,2,3,4,7,8-HxCDF	373.8208	32.13	2.5	14925	1.19431	1.279	NO		
27	1,2,3,6,7,8-HxCDF	373.8208	32.25	2.5	16615	1.32954	1.196	NO		
28	2,3,4,6,7,8-HxCDF	373.8208	32.79	2.5	15750	1.26030	1.301	NO		
29	1,2,3,7,8,9-HxCDF	373.8208	33.44	2.5	14040	1.12345	1.299	NO		
30	Total HxCDFs	373.8208		2.5						
31				1.0						
32	13C-1,2,3,6,7,8-HxCDD	401.8559	33.00	100.0	455626	0.95636	1.275	NO		
33	1,2,3,4,7,8-HxCDD	389.8157	32.93	2.5	9211	0.80862	1.251	NO		
34	1,2,3,6,7,8-HxCDD	389.8157	33.01	2.5	11126	0.97675	1.268	NO		
35	1,2,3,7,8,9-HxCDD	389.8157	33.27	2.5	10487	0.92066	1.315	NO		
36	Total HxCDDs	389.8157		2.5						
37				1.0						
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.79	100.0	455314	0.95570	0.456	NO		
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.80	2.5	15770	1.38545	1.052	NO		
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.95	2.5	13045	1.14604	1.025	NO		
41	Total HpCDFs	407.7818		2.5						
42				1.0						
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.62	100.0	415880	0.87293	0.990	NO		
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.63	2.5	9485	0.91228	1.134	NO		
45	Total HpCDDs	423.7766		2.5						
46				1.0						

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio/Act	Ratio Flag	Mod Date
47	13C-OCDD	469.7779	38.18	200.0	668582	0.70168	0.873	NO	
48	OCDF	441.7428	38.30	5.0	21273	1.27274	0.989	NO	
49	OCDD	457.7377	38.19	5.0	16717	1.00015	0.894	NO	
50				1.0					
51				1.0					
52	Function 1 PFK	330.97920		1.0					
53	Function 2 PFK	342.97920		1.0					
54	Function 3 PFK	380.97600		1.0					
55	Function 4 PFK	430.97290		1.0					
56	Function 5 PFK	442.97280		1.0					
57	TCDF PCDPE	375.8364		1.0					
58	F1 PeCDF PCDPE	409.79740		1.0					
59	F2 PeCDF PCDPE	409.7974		1.0					
60	HXCDF PCDPE	445.7555		1.0					
61	HPCDF PCDPE	479.7165		1.0					
62	OCDF PCDPE	513.67750		1.0					

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	19.61	100.0	609578	1.00000	0.797	NO	
2				1.0					
3	13C-2,3,7,8-TCDF	315.9419	19.02	100.0	776834	1.27438	0.786	NO	
4	2,3,7,8-TCDF	303.9016	19.04	2.0	14902	0.95916	0.734	NO	
5	Total TCDFs	303.9016		2.0					
6				1.0					
7	13C-2,3,7,8-TCDD	331.9368	19.84	100.0	551020	0.90394	0.793	NO	
8	2,3,7,8-TCDD	319.8965	19.85	2.0	10711	0.97190	0.747	NO	
9	Total TCDDs	319.8965		2.0					
10				1.0					
11	37CL-2,3,7,8-TCDD	327.8847	19.85	2.0	6652	0.60365			
12				1.0					
13	13C-1,2,3,7,8-PeCDF	351.9000	24.86	100.0	618580	1.01477	1.595	NO	
14	1,2,3,7,8-PeCDF	339.8597	24.88	10.0	64062	1.03562	1.607	NO	
15	2,3,4,7,8-PeCDF	339.8597	26.42	10.0	61997	1.00225	1.629	NO	
16	Total F2 PeCDFs	339.8597		10.0					
17	Total F1 PeCDFs	339.8597		10.0					
18				1.0					
19	13C-1,2,3,7,8-PeCDD	367.8949	27.24	100.0	443952	0.72829	1.564	NO	
20	1,2,3,7,8-PeCDD	355.8546	27.27	10.0	40885	0.92094	1.540	NO	
21	Total PeCDDs	355.8546		10.0					
22				1.0					
23	13C-1,2,3,7,8,9-HxCDD	401.8559	33.26	100.0	453963	1.00000	1.228	NO	
24				1.0					
25	13C-1,2,3,4,7,8-HxCDF	383.8639	32.13	100.0	474860	1.04603	0.514	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	32.14	10.0	60999	1.28457	1.306	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	32.25	10.0	66045	1.39082	1.226	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.80	10.0	63299	1.33300	1.255	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	33.44	10.0	53783	1.13261	1.210	NO	
30	Total HxCDFs	373.8208		10.0					
31				1.0					
32	13C-1,2,3,6,7,8-HxCDD	401.8559	33.00	100.0	424958	0.93611	1.310	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.94	10.0	38706	0.91082	1.199	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	33.01	10.0	43830	1.03139	1.295	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	33.27	10.0	41456	0.97554	1.286	NO	
36	Total HxCDDs	389.8157		10.0					
37				1.0					
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.79	100.0	444806	0.97983	0.451	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.80	10.0	61182	1.37548	1.037	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.96	10.0	51122	1.14932	1.036	NO	
41	Total HpCDFs	407.7818		10.0					
42				1.0					
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.62	100.0	402327	0.88625	1.088	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.63	10.0	40780	1.01359	1.025	NO	
45	Total HpCDDs	423.7766		10.0					
46				1.0					
47	13C-OCDD	469.7779	38.19	200.0	611278	0.67327	0.901	NO	
48	OCDF	441.7428	38.31	20.0	86375	1.41302	0.964	NO	
49	OCDD	457.7377	38.20	20.0	68132	1.11459	0.931	NO	

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.)	Ratio Flag	Mod Date
50				1.0					
51				1.0					
52	Function 1 PFK	330.97920		1.0					
53	Function 2 PFK	342.97920		1.0					
54	Function 3 PFK	380.97600		1.0					
55	Function 4 PFK	430.97290		1.0					
56	Function 5 PFK	442.97280		1.0					
57	TCDF PCDPE	375.8364		1.0					
58	F1 PeCDF PCDPE	409.79740		1.0					
59	F2 PeCDF PCDPE	409.7974		1.0					
60	HXCDF PCDPE	445.7555		1.0					
61	HPCDF PCDPE	479.7165		1.0					
62	OCDF PCDPE	513.67750		1.0					

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Ac	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	19.61	100.0	604149	1.00000	0.776	NO	
2				1.0					
3	13C-2,3,7,8-TCDF	315.9419	19.01	100.0	810761	1.34199	0.783	NO	
4	2,3,7,8-TCDF	303.9016	19.04	10.0	85973	1.06040	0.771	NO	
5	Total TCDFs	303.9016		10.0					
6				1.0					
7	13C-2,3,7,8-TCDD	331.9368	19.82	100.0	580571	0.96097	0.759	NO	
8	2,3,7,8-TCDD	319.8965	19.85	10.0	61741	1.06344	0.753	NO	
9	Total TCDDs	319.8965		10.0					
10				1.0					
11	37CL-2,3,7,8-TCDD	327.8847	19.85	10.0	36310	0.62541			
12				1.0					
13	13C-1,2,3,7,8-PeCDF	351.9000	24.84	100.0	643565	1.06524	1.599	NO	
14	1,2,3,7,8-PeCDF	339.8597	24.88	50.0	383104	1.19057	1.593	NO	
15	2,3,4,7,8-PeCDF	339.8597	26.42	50.0	371684	1.15508	1.585	NO	
16	Total F2 PeCDFs	339.8597		50.0					
17	Total F1 PeCDFs	339.8597		50.0					
18				1.0					
19	13C-1,2,3,7,8-PeCDD	367.8949	27.24	100.0	462672	0.76582	1.574	NO	
20	1,2,3,7,8-PeCDD	355.8546	27.27	50.0	239590	1.03568	1.582	NO	
21	Total PeCDDs	355.8546		50.0					
22				1.0					
23	13C-1,2,3,7,8,9-HxCDD	401.8559	33.26	100.0	465293	1.00000	1.243	NO	
24				1.0					
25	13C-1,2,3,4,7,8-HxCDF	383.8639	32.11	100.0	513790	1.10423	0.522	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	32.13	50.0	362671	1.41175	1.272	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	32.25	50.0	395466	1.53941	1.277	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.79	50.0	371350	1.44553	1.273	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	33.44	50.0	334332	1.30143	1.282	NO	
30	Total HxCDFs	373.8208		50.0					
31				1.0					
32	13C-1,2,3,6,7,8-HxCDD	401.8559	33.00	100.0	428659	0.92127	1.248	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.94	50.0	234119	1.09233	1.235	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	33.01	50.0	257308	1.20053	1.261	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	33.27	50.0	252199	1.17669	1.206	NO	
36	Total HxCDDs	389.8157		50.0					
37				1.0					
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.79	100.0	469455	1.00894	0.447	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.80	50.0	368308	1.56909	1.055	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.95	50.0	306415	1.30541	1.079	NO	
41	Total HpCDFs	407.7818		50.0					
42				1.0					
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.61	100.0	409183	0.87941	1.094	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.63	50.0	240029	1.17321	1.061	NO	
45	Total HpCDDs	423.7766		50.0					
46				1.0					
47	13C-OCDD	469.7779	38.19	200.0	645462	0.69361	0.932	NO	
48	OCDF	441.7428	38.30	100.0	517349	1.60304	0.929	NO	
49	OCDD	457.7377	38.20	100.0	420380	1.24000	0.907	NO	

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act	Ratio Flag	Mod Date
50				1.0					
51				1.0					
52	Function 1 PFK	330.97920		1.0					
53	Function 2 PFK	342.97920		1.0					
54	Function 3 PFK	380.97600		1.0					
55	Function 4 PFK	430.97290		1.0					
56	Function 5 PFK	442.97280		1.0					
57	TCDF PCDPE	375.8364		1.0					
58	F1 PeCDF PCDPE	409.79740		1.0					
59	F2 PeCDF PCDPE	409.7974		1.0					
60	HXCDF PCDPE	445.7555		1.0					
61	HPCDF PCDPE	479.7165		1.0					
62	OCDF PCDPE	513.67750		1.0					

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	19.60	100.0	602400	1.00000	0.790	NO	
2				1.0					
3	13C-2,3,7,8-TCDF	315.9419	19.01	100.0	789598	1.31075	0.805	NO	
4	2,3,7,8-TCDF	303.9016	19.02	40.0	322804	1.02205	0.781	NO	
5	Total TCDFs	303.9016		40.0					
6				1.0					
7	13C-2,3,7,8-TCDD	331.9368	19.82	100.0	523900	0.86969	0.781	NO	
8	2,3,7,8-TCDD	319.8965	19.84	40.0	221431	1.05665	0.792	NO	
9	Total TCDDs	319.8965		40.0					
10				1.0					
11	37CL-2,3,7,8-TCDD	327.8847	19.84	40.0	139050	0.66353			
12				1.0					
13	13C-1,2,3,7,8-PeCDF	351.9000	24.83	100.0	593424	0.98510	1.624	NO	
14	1,2,3,7,8-PeCDF	339.8597	24.86	200.0	1324125	1.11566	1.596	NO	
15	2,3,4,7,8-PeCDF	339.8597	26.41	200.0	1294179	1.09043	1.600	NO	
16	Total F2 PeCDFs	339.8597		200.0					
17	Total F1 PeCDFs	339.8597		200.0					
18				1.0					
19	13C-1,2,3,7,8-PeCDD	367.8949	27.22	100.0	418442	0.69462	1.607	NO	
20	1,2,3,7,8-PeCDD	355.8546	27.26	200.0	838327	1.00172	1.569	NO	
21	Total PeCDDs	355.8546		200.0					
22				1.0					
23	13C-1,2,3,7,8,9-HxCDD	401.8559	33.25	100.0	445957	1.00000	1.206	NO	
24				1.0					
25	13C-1,2,3,4,7,8-HxCDF	383.8639	32.10	100.0	471753	1.05784	0.515	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	32.13	200.0	1249924	1.32476	1.255	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	32.24	200.0	1370397	1.45245	1.250	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.78	200.0	1276127	1.35254	1.243	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	33.43	200.0	1126243	1.19368	1.285	NO	
30	Total HxCDFs	373.8208		200.0					
31				1.0					
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.99	100.0	380653	0.85356	1.263	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.92	200.0	810231	1.06427	1.250	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	33.00	200.0	879403	1.15512	1.268	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	33.26	200.0	877007	1.15198	1.151	NO	
36	Total HxCDDs	389.8157		200.0					
37				1.0					
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.78	100.0	418363	0.93812	0.466	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.79	200.0	1245640	1.48871	1.053	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.94	200.0	1060702	1.26768	1.060	NO	
41	Total HpCDFs	407.7818		200.0					
42				1.0					
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.60	100.0	364637	0.81765	1.086	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.62	200.0	796433	1.09209	1.048	NO	
45	Total HpCDDs	423.7766		200.0					
46				1.0					
47	13C-OCDD	469.7779	38.16	200.0	581821	0.65233	0.928	NO	
48	OCDF	441.7428	38.29	400.0	1825195	1.56852	0.921	NO	
49	OCDD	457.7377	38.18	400.0	1391511	1.19582	0.904	NO	

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
50				1.0					
51				1.0					
52	Function 1 PFK	330.97920		1.0					
53	Function 2 PFK	342.97920		1.0					
54	Function 3 PFK	380.97600		1.0					
55	Function 4 PFK	430.97290		1.0					
56	Function 5 PFK	442.97280		1.0					
57	TCDF PCDPE	375.8364		1.0					
58	F1 PeCDF PCDPE	409.79740		1.0					
59	F2 PeCDF PCDPE	409.7974		1.0					
60	HXCDF PCDPE	445.7555		1.0					
61	HPCDF PCDPE	479.7165		1.0					
62	OCDF PCDPE	513.67750		1.0					

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	19.60	100.0	631997	1.00000	0.802	NO	
2				1.0					
3	13C-2,3,7,8-TCDF	315.9419	19.01	100.0	840396	1.32975	0.780	NO	
4	2,3,7,8-TCDF	303.9016	19.02	200.0	1715346	1.02056	0.788	NO	
5	Total TCDFs	303.9016		200.0					
6				1.0					
7	13C-2,3,7,8-TCDD	331.9368	19.82	100.0	566331	0.89610	0.776	NO	
8	2,3,7,8-TCDD	319.8965	19.84	200.0	1195017	1.05505	0.791	NO	
9	Total TCDDs	319.8965		200.0					
10				1.0					
11	37CL-2,3,7,8-TCDD	327.8847	19.84	200.0	775307	0.68450			
12				1.0					
13	13C-1,2,3,7,8-PeCDF	351.9000	24.83	100.0	633407	1.00223	1.604	NO	
14	1,2,3,7,8-PeCDF	339.8597	24.86	1000.0	7092377	1.11972	1.583	NO	
15	2,3,4,7,8-PeCDF	339.8597	26.39	1000.0	6905686	1.09024	1.563	NO	
16	Total F2 PeCDFs	339.8597		1000.0					
17	Total F1 PeCDFs	339.8597		1000.0					
18				1.0					
19	13C-1,2,3,7,8-PeCDD	367.8949	27.22	100.0	452363	0.71577	1.561	NO	
20	1,2,3,7,8-PeCDD	355.8546	27.24	1000.0	4486035	0.99169	1.566	NO	
21	Total PeCDDs	355.8546		1000.0					
22				1.0					
23	13C-1,2,3,7,8,9-HxCDD	401.8559	33.25	100.0	503101	1.00000	1.259	NO	
24				1.0					
25	13C-1,2,3,4,7,8-HxCDF	383.8639	32.10	100.0	497918	0.98970	0.522	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	32.11	1000.0	6710032	1.34762	1.269	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	32.24	1000.0	7358353	1.47782	1.260	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.78	1000.0	6822905	1.37029	1.251	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	33.43	1000.0	6156322	1.23641	1.261	NO	
30	Total HxCDFs	373.8208		1000.0					
31				1.0					
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.99	100.0	430313	0.85532	1.305	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.91	1000.0	4438620	1.03149	1.242	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	33.00	1000.0	4765577	1.10747	1.274	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	33.26	1000.0	4580004	1.06434	1.230	NO	
36	Total HxCDDs	389.8157		1000.0					
37				1.0					
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.78	100.0	446215	0.88693	0.458	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.79	1000.0	6672125	1.49527	1.044	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.94	1000.0	5736529	1.28560	1.042	NO	
41	Total HpCDFs	407.7818		1000.0					
42				1.0					
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.60	100.0	395218	0.78556	0.990	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.62	1000.0	4274245	1.08149	1.033	NO	
45	Total HpCDDs	423.7766		1000.0					
46				1.0					
47	13C-OCDD	469.7779	38.16	200.0	656386	0.65234	0.878	NO	
48	OCDF	441.7428	38.29	2000.0	10326118	1.57318	0.933	NO	
49	OCDD	457.7377	38.18	2000.0	7743775	1.17956	0.900	NO	

Dataset: C:\MassLynx\Default.pro\ICA09291010D5TO9.qld

Last Altered: Monday, December 13, 2010 11:23:43 Pacific Standard Time
Printed: Monday, December 13, 2010 11:25:49 Pacific Standard Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act	Ratio Flag	Mod Date
50				1.0					
51				1.0					
52	Function 1 PFK	330.97920		1.0					
53	Function 2 PFK	342.97920		1.0					
54	Function 3 PFK	380.97600		1.0					
55	Function 4 PFK	430.97290		1.0					
56	Function 5 PFK	442.97280		1.0					
57	TCDF PCDPE	375.8364		1.0					
58	F1 PeCDF PCDPE	409.79740		1.0					
59	F2 PeCDF PCDPE	409.7974		1.0					
60	HXCDF PCDPE	445.7555		1.0					
61	HPCDF PCDPE	479.7165		1.0					
62	OCDF PCDPE	513.67750		1.0					

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Bottle
1	29SE10A10D5_1	CS-1 10DXN342	ST0929	—	—	1.000000	Tray1:37
2	29SE10A10D5_2	CS-2 10DXN335	ST0929A	—	—	1.000000	Tray1:38
3	29SE10A10D5_3	CS-3 10DXN426	ST0929B	—	—	1.000000	Tray01:2
4	29SE10A10D5_4	CS-4 10DXN337	ST0929C	—	—	1.000000	Tray1:39
5	29SE10A10D5_5	CS-5 10DXN339	ST0929D	—	—	1.000000	Tray1:40
6	29SE10A10D5_6	2nd Source 10DXN340	ST0929E	1613B/8290	—	1.000000	Tray1:41
7	29SE10A10D5_7	Solvent Blank C-14	SB0929	—		1.000000	Tray01:3
8	29SE10A10D5_8	DB-5 CPSM 3732-08	CP0929	—		1.000000	Tray01:1
9	29SE10A10D5_9	CS3 10DXN426	ST0929F	—		1.000000	Tray01:2
10	29SE10A10D5_10	G0I230000-214B 0266214	L7DMC-1-AA	1613BT/Water	58	1.000000	Tray01:5
11	29SE10A10D5_11	G0I270000-240B 0270240	L7JWD-1-AA	1613B/Water	61	1.000000	Tray01:6
12	29SE10A10D5_12	G0I240000-139B 0267139	L7FAJ-1-AA	1613B/Water	61	1.000000	Tray01:7
13	29SE10A10D5_13	G0I150512-1 0264239	L61WG-1-AA	1613B/Water	55	1.089010	Tray01:8
14	29SE10A10D5_14	G0I220520-1 0270240	L7A08-1-AA	1613B/Water	55	0.963050	Tray01:9
15	29SE10A10D5_15	G0I170522-1 0267139	L65N0-1-AA	1613B/Water	61	1.038360	Tray01:10
16	29SE10A10D5_16	G0I180497-1 0266214	L6687-1-AA	1613BT/Water	58	1.047540	Tray01:11
17	29SE10A10D5_17	G0I180497-2 0266214	L6688-1-AA	1613BT/Water	58	1.035720	Tray01:12
18	29SE10A10D5_18	G0I150497-2 0270345	L61QR-1-AC	1613BT/Solid	61	5.040000	Tray01:13
19	29SE10A10D5_19	G0I270000-240C 0270240	L7JWD-1-AC	1613B/Water	61	1.000000	Tray01:14
20	29SE10A10D5_20	G0I240000-139C 0267139	L7FAJ-1-AC	1613B/Water	61	1.000000	Tray01:15
21	29SE10A10D5_21	G0I240000-139L 0267139	L7FAJ-1-AD	1613B/Water	61	1.000000	Tray01:16
22	29SE10A10D5_22	G0I230000-214C 0266214	L7DMC-1-AC	1613BT/Water	58	1.000000	Tray01:17
23	29SE10A10D5_23	Solvent Blank C-14	SB0929A	—		1.000000	Tray01:3
24	29SE10A10D5_24	CS3 10DXN417	ST0929G	—		1.000000	Tray01:2
25	29SE10A10D5_25	DB-5 CPSM 3732-08	CP0929A	—		1.000000	Tray01:1
26	29SE10A10D5_26	G0I190000-56B 0262056	L67CL-1-AA	8290/Solid	51	10.000000	Tray01:18
27	29SE10A10D5_27	C0I100410-1 0258270	L6RKV-1-AA	8290/Water	44	1.015520	Tray01:19
28	29SE10A10D5_28	C0I100410-2 0258270	L6RKW-1-AA	8290/Water	44	0.977650	Tray01:20
29	29SE10A10D5_29	C0I100410-3 0258270	L6RK0-1-AA	8290/Water	44	1.017440	Tray01:21
30	29SE10A10D5_30	C0I100410-4 0258270	L6RK1-1-AA	8290/Water	44	1.008830	Tray01:22
31	29SE10A10D5_31	C0I100410-5 0258270	L6RK2-1-AA	8290/Water	44	1.046150	Tray01:23
32	29SE10A10D5_32	C0I100410-5S 0258270	L6RK2-1-AD	8290/Water	44	1.040050	Tray01:24
33	29SE10A10D5_33	C0I100410-5D 0258270	L6RK2-1-AE	8290/Water	44	1.025850	Tray01:25
34	29SE10A10D5_34	C0I100410-6 0258270	L6RK3-1-AA	8290/Water	44	1.026800	Tray01:26
35	29SE10A10D5_35	G0I150498-1 0262058	L61Q5-1-AC	8290/Solid	53	9.750000	Tray01:27
36	29SE10A10D5_36	G0I160496-4 0263146	L63QF-1-AC	8290/Solid	50	9.980000	Tray01:28
37	29SE10A10D5_37	G0I160496-5 0263146	L63QG-1-AC	8290/Solid	50	10.360000	Tray01:29
38	29SE10A10D5_38	G0I190000-56C 0262056	L67CL-1-AC	8290/Solid	51	10.000000	Tray01:30
39	29SE10A10D5_39	CS3 10DXN417	ST0929H	—		1.000000	Tray01:2
40	29SE10A10D5_40	DB-5 CPSM 3732-08	CP0929B	—		1.000000	Tray01:1
41	29SE10A10D5_41	Solvent Blank C-14	SB0929B	—		1.000000	Tray01:3
42	29SE10A10D5_42	G0I160496-6 0263146	L63QH-1-AC	8290/Solid	50	10.350000	Tray01:31
43	29SE10A10D5_43	G0I160496-8 0263146	L63QN-1-AC	8290/Solid	50	10.100000	Tray01:32
44	29SE10A10D5_44	G0I130476-1 0256381	L6WRD-1-AC	8290/Solid	42	10.100000	Tray01:33
45	29SE10A10D5_45	G0I020531-1 0262056	L6GJ0-1-AC	8290/Solid	51	9.850000	Tray01:34
46	29SE10A10D5_46	G0I020531-2 0262056	L6GJ1-1-AC	8290/Solid	51	10.000000	Tray01:35
47	29SE10A10D5_47	G0I020531-6 0262056	L6GJ9-1-AC	8290/Solid	51	10.380000	Tray01:36
48	29SE10A10D5_48	G0I020531-6S 0262056	L6GJ9-1-AF	8290/Solid	51	10.430000	Tray01:37
49	29SE10A10D5_49	G0I020531-6D 0262056	L6GJ9-1-AG	8290/Solid	51	9.920000	Tray01:38
50	29SE10A10D5_50	G0I020531-7 0262056	L6GKG-1-AC	8290/Solid	51	9.990000	Tray01:39
51	29SE10A10D5_51	G0I020531-10 0262056	L6GKR-1-AC	8290/Solid	51	9.660000	Tray01:40
52	29SE10A10D5_52	G0I020531-11 0262056	L6GK7-1-AC	8290/Solid	51	9.650000	Tray01:41
53	29SE10A10D5_53	Solvent Blank C-14	SB0929C	—		1.000000	Tray01:3
54	29SE10A10D5_54	CS3 10DXN417	ST0929I	—		1.000000	Tray01:2
55	29SE10A10D5_55	DB-5 CPSM 3732-08	CP0929C	—		1.000000	Tray01:1
56	29SE10A10D5_56	Solvent Blank C-14	SB0929D	—		1.000000	Tray01:3
57	29SE10A10D5_57	G0I020531-12 0262056	L6GK8-1-AC	8290/Solid	51	9.760000	Tray01:42
58	29SE10A10D5_58	G0I020531-12S 0262056	L6GK8-1-AF	8290/Solid	51	9.980000	Tray01:43

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Bottle
59	29SE10A10D5_59	G0I020531-12D 0262056	L6GK8-1-AG	8290/Solid	51	9.720000	Tray01:44
60	29SE10A10D5_60	G0I020531-13 0262056	L6GK9-1-AC	8290/Solid	51	10.380000	Tray01:45
61	29SE10A10D5_61	G0I020531-14 0262056	L6GLD-1-AC	8290/Solid	51	10.060000	Tray01:46
62	29SE10A10D5_62	G0I020531-15 0262056	L6GMJ-1-AC	8290/Solid	51	10.280000	Tray01:47
63	29SE10A10D5_63	G0I020531-16 0262056	L6GML-1-AC	8290/Solid	51	10.180000	Tray01:48
64	29SE10A10D5_64	G0I020531-17 0262056	L6GMM-1-AC	8290/Solid	51	10.310000	Tray01:49
65	29SE10A10D5_65	G0I020531-18 0262056	L6GMN-1-AC	8290/Solid	51	10.410000	Tray01:50
66	29SE10A10D5_66	G0I020531-19 0262056	L6GMP-1-AC	8290/Solid	51	10.220000	Tray01:51
67	29SE10A10D5_67	G0I020531-20 0262056	L6GMW-1-AC	8290/Solid	51	10.380000	Tray01:52
68	29SE10A10D5_68	G0I020531-21 0262056	L6GM0-1-AC	8290/Solid	51	9.870000	Tray01:53
69	29SE10A10D5_69	Solvent Blank C-14	SB0929	—		1.000000	Tray01:3
70	29SE10A10D5_70	CS3 10DXN417	ST0929I	—		1.000000	Tray01:2

Unit	FV_ul	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D	Conc E
—	—	1.000000	Standard	JRB	dioxin10D5	dioxin	0.5	2.5	5	100	200
—	—	1.000000	Standard	JRB	dioxin10D5	dioxin	2	10	20	100	200
—	—	1.000000	Standard	JRB	dioxin10D5	dioxin	10	50	100	100	200
—	—	1.000000	Standard	JRB	dioxin10D5	dioxin	40	200	400	100	200
—	—	1.000000	Standard	JRB	dioxin10D5	dioxin	200	1000	2000	100	200
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
—	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	10	50	100	100	200
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
—	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	10	50	100	100	200
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
L	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	10	50	100	100	200
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
—	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
—		1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	10	50	100	100	200
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
—		1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	—	—
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000

Unit	FV_ul	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D	Conc E
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
g	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
—	20	1.000000	Analyte	JRB	dioxin10D5	dioxin	—	—	—	2000	4000
—	—	1.000000	Analyte	JRB	dioxin10D5	dioxin	10	50	100	100	200

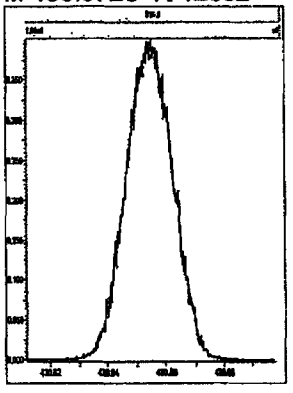
Conc F	Conc G	Conc H	Process	Process Options	Action On Error
0.5	100	—	—	—	—
2	100	—	—	—	—
10	100	—	—	—	—
40	100	—	—	—	—
200	100	—	—	—	—
800	2000	—	ResolutionCheck	C:\Masslynx\Autospec\dioxinendres.dat	Ignore Error
—	—	—	—	—	—
—	—	—	—	—	—
10	100	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
—	—	—	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
10	100	—	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
—	—	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
10	100	—	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
—	—	—	—	—	—
—	—	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
—	—	—	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
10	100	—	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
—	—	—	—	—	—
—	—	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—

Conc F	Conc G	Conc H	Process	Process Options	Action On Error
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
800	2000	—	—	—	—
10	100	—	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error

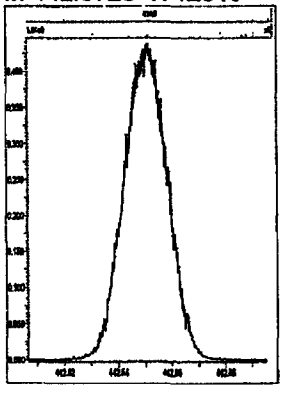
File: Experiment: dioxin10D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, September 29, 2010 18:50:28 Pacific Daylight Time

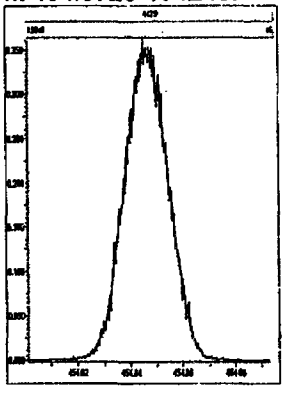
M 430.9728 R 12502



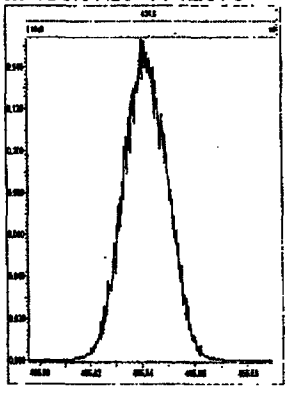
M 442.9728 R 12316



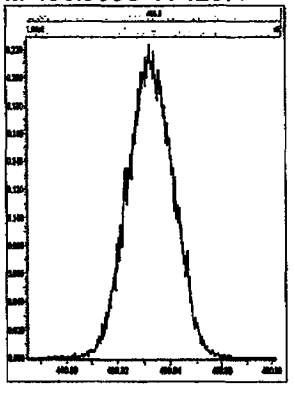
M 454.9728 R 12437



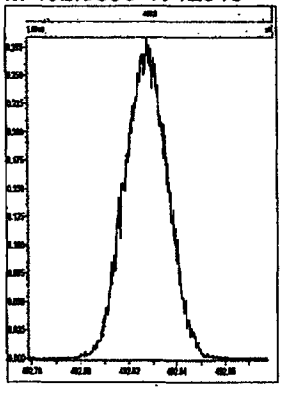
M 466.9728 R 12079



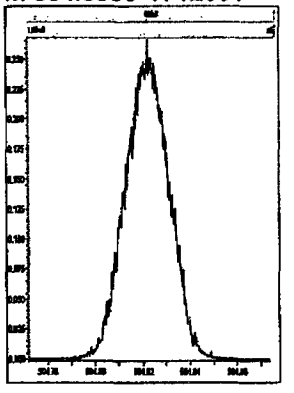
M 480.9696 R 12077



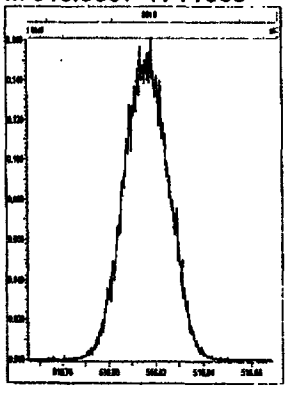
M 492.9696 R 12018



M 504.9696 R 12501



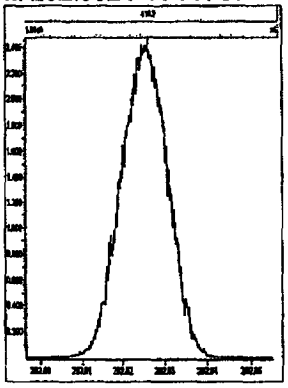
M 516.9697 R 11908



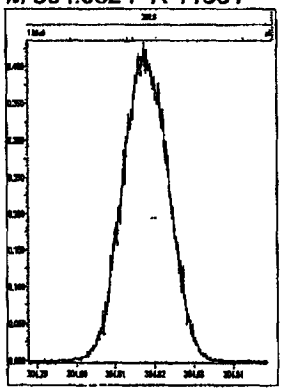
File: Experiment: dioxin10D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, September 29, 2010 18:48:57 Pacific Daylight Time

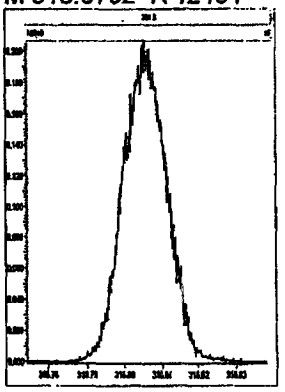
M 292.9824 R 11737



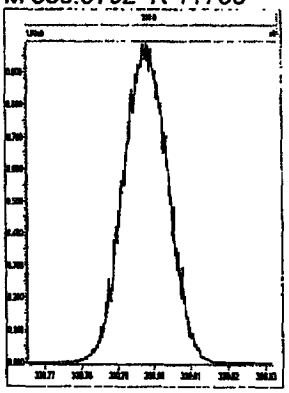
M 304.9824 R 11631



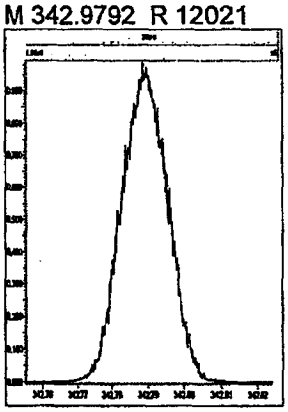
M 318.9792 R 12191



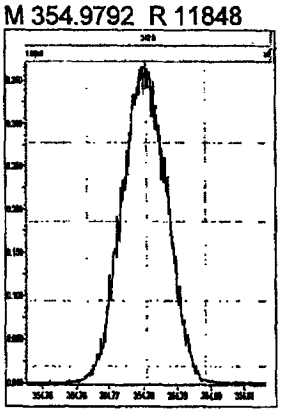
M 330.9792 R 11736



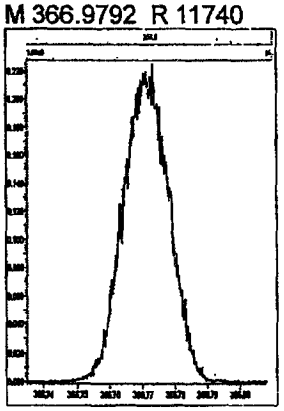
M 342.9792 R 12021



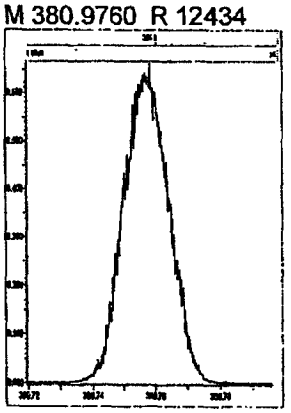
M 354.9792 R 11848



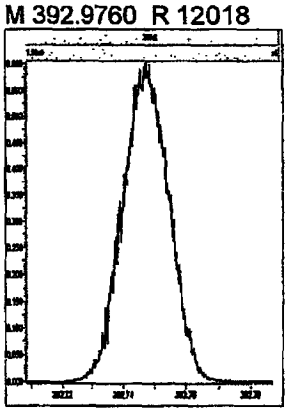
M 366.9792 R 11740



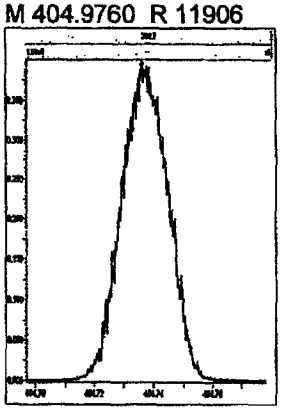
M 380.9760 R 12434



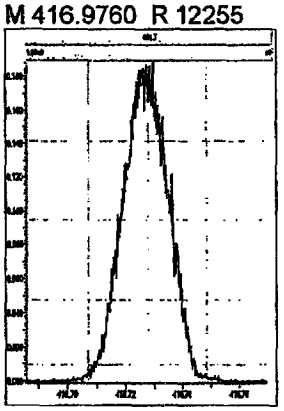
M 392.9760 R 12018



M 404.9760 R 11906



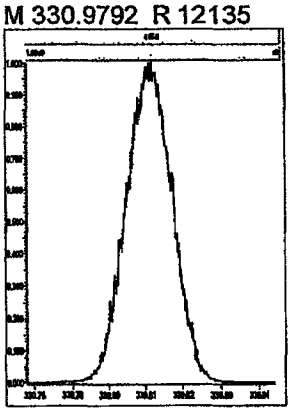
M 416.9760 R 12255



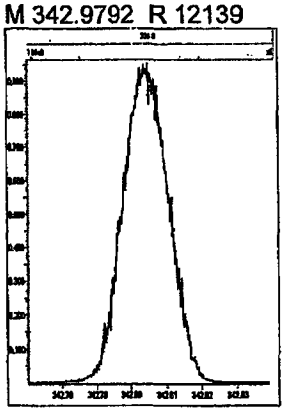
File: Experiment: dioxin10D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, September 29, 2010 18:49:24 Pacific Daylight Time

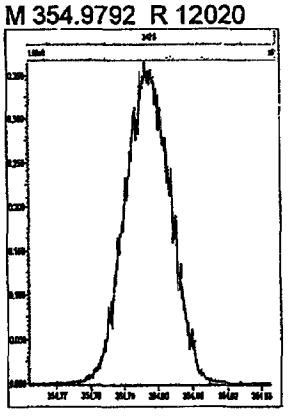
M 330.9792 R 12135



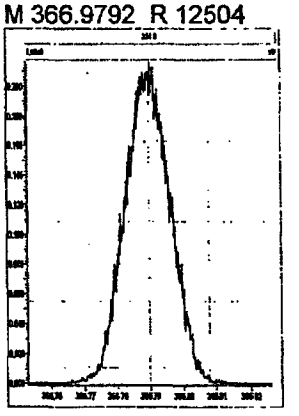
M 342.9792 R 12139



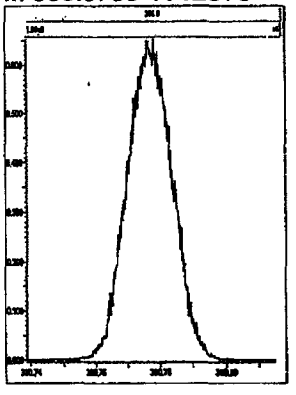
M 354.9792 R 12020



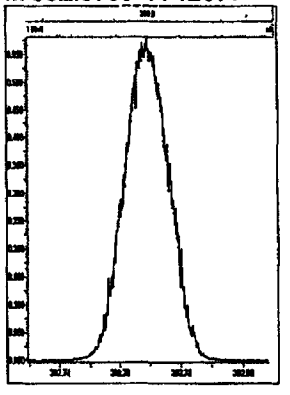
M 366.9792 R 12504



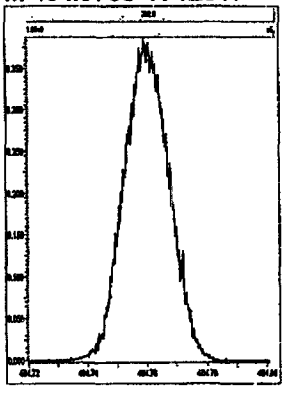
M 380.9760 R 12373



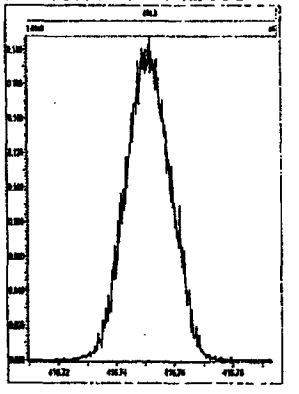
M 392.9760 R 12077



M 404.9760 R 12017



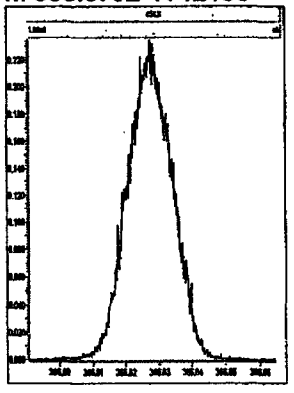
M 416.9760 R 12255



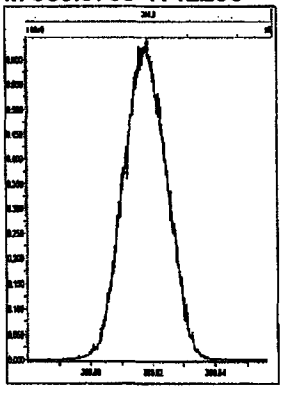
File: Experiment: dioxin10D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, September 29, 2010 18:49:45 Pacific Daylight Time

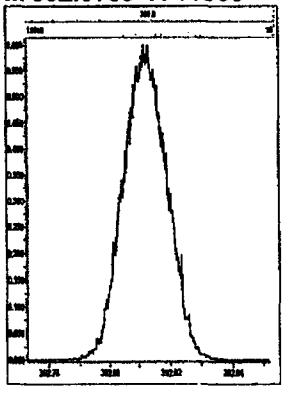
M 366.9792 R 12195



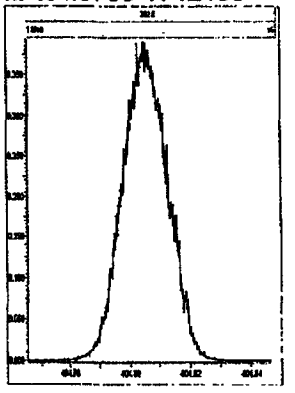
M 380.9760 R 12253



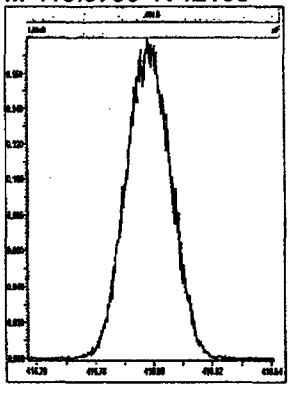
M 392.9760 R 11958



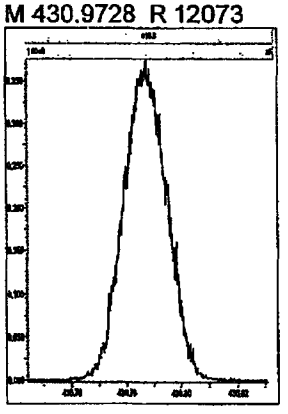
M 404.9760 R 12135



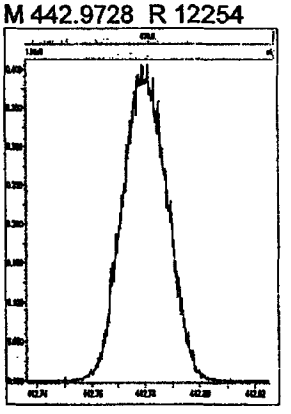
M 416.9760 R 12138



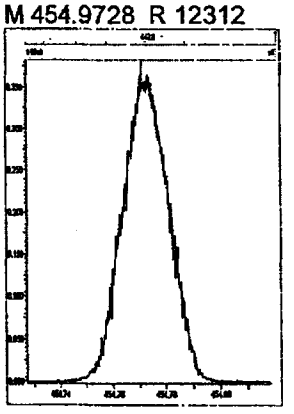
M 430.9728 R 12073



M 442.9728 R 12254



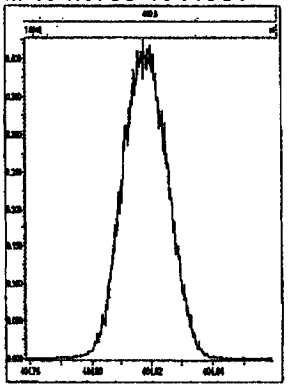
M 454.9728 R 12312



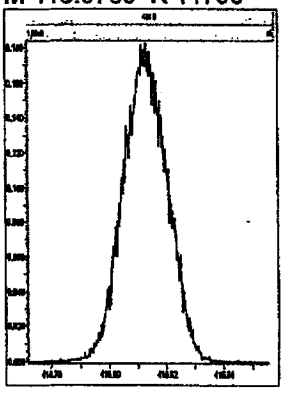
File: Experiment: dioxin10D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, September 29, 2010 18:50:04 Pacific Daylight Time

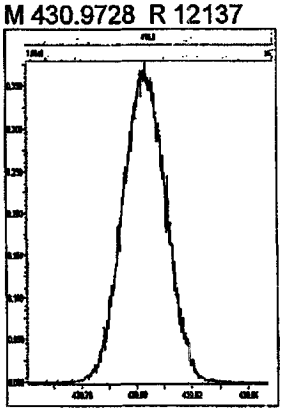
M 404.9760 R 11961



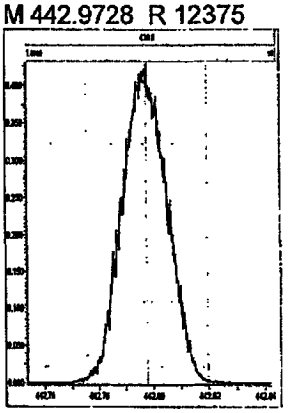
M 416.9760 R 11790



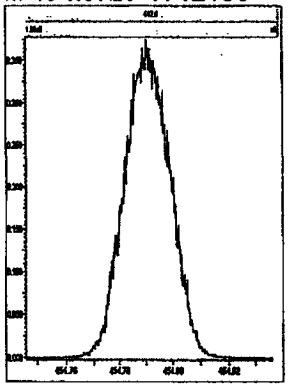
M 430.9728 R 12137



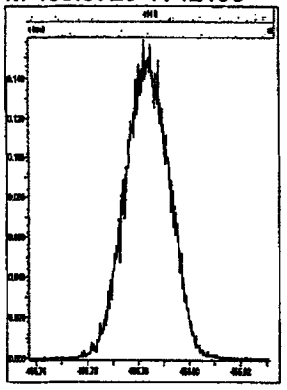
M 442.9728 R 12375



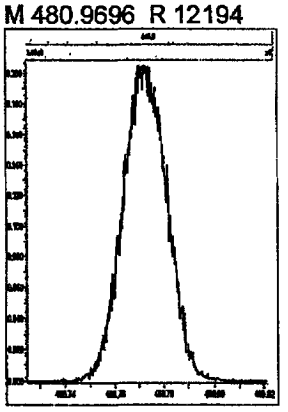
M 454.9728 R 12193



M 466.9728 R 12136

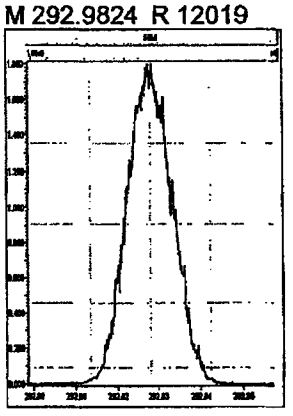


M 480.9696 R 12194

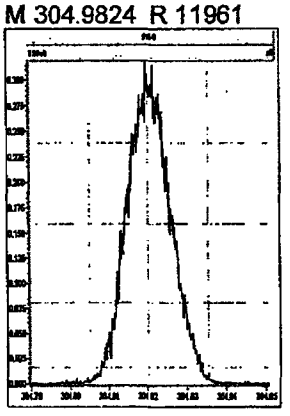


Printed: Wednesday, September 29, 2010 23:11:39 Pacific Daylight Time

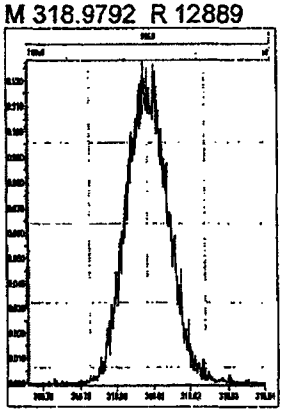
M 292.9824 R 12019



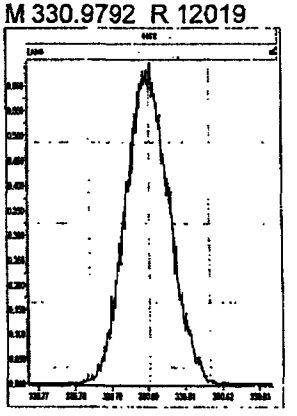
M 304.9824 R 11961



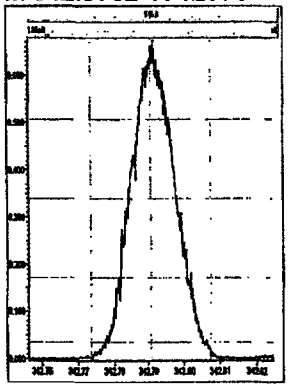
M 318.9792 R 12889



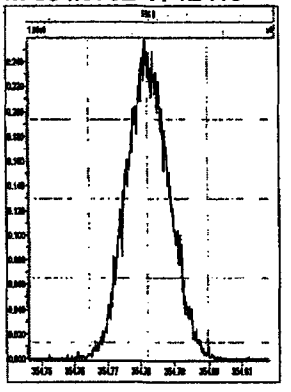
M 330.9792 R 12019



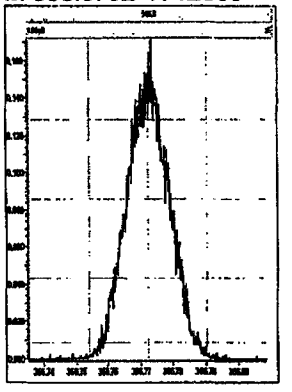
M 342.9792 R 12078



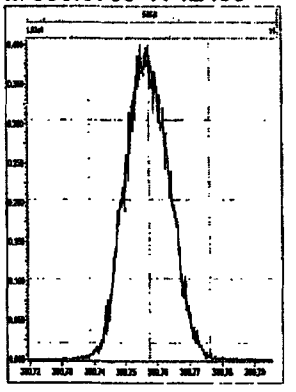
M 354.9792 R 12416



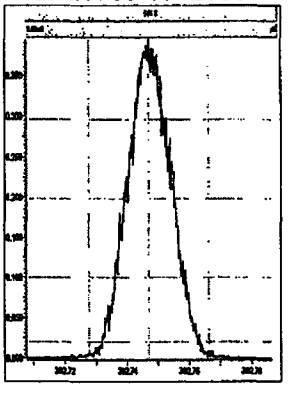
M 366.9792 R 12535



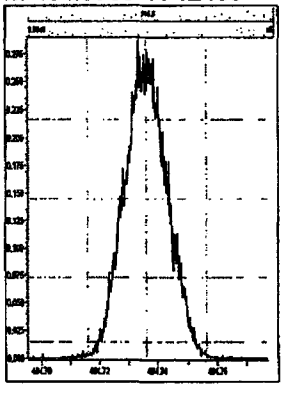
M 380.9760 R 12499



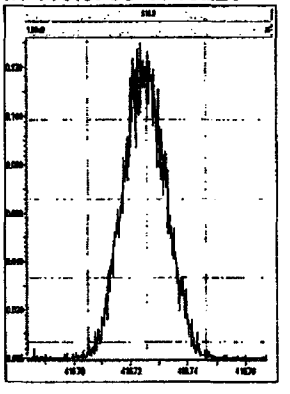
M 392.9760 R 12380



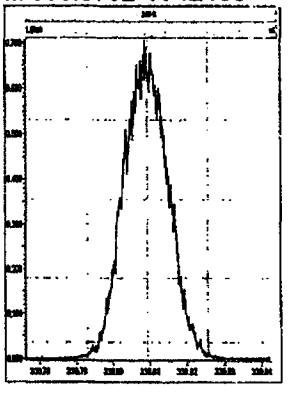
M 404.9760 R 12165



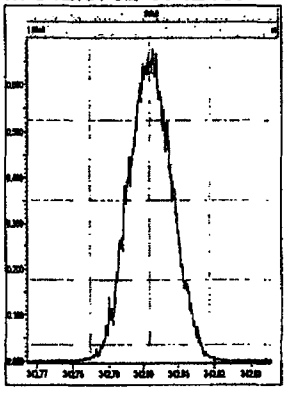
M 416.9760 R 13228



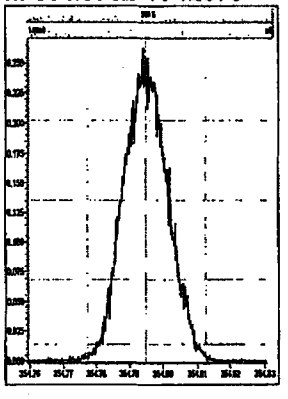
M 330.9792 R 12136



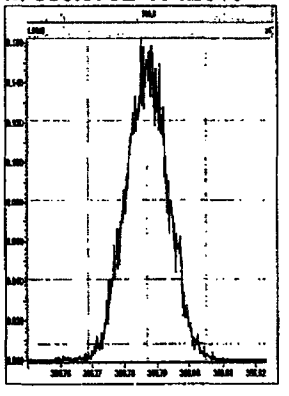
M 342.9792 R 12107



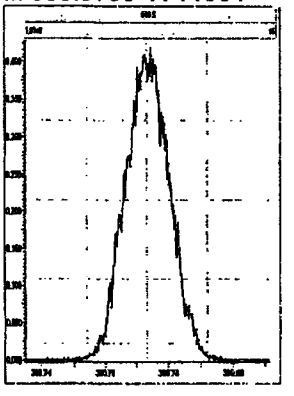
M 354.9792 R 12378



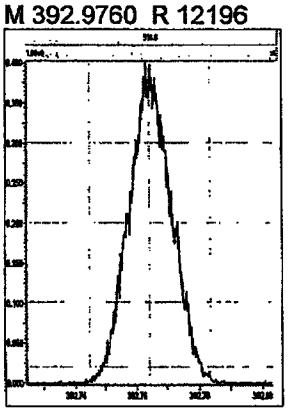
M 366.9792 R 12510



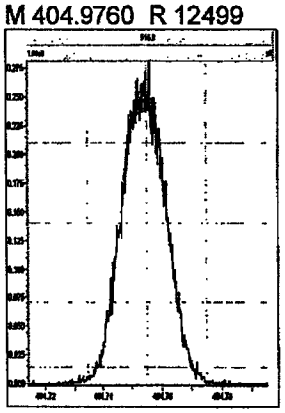
M 380.9760 R 11961



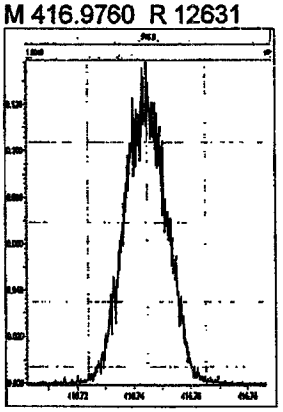
M 392.9760 R 12196



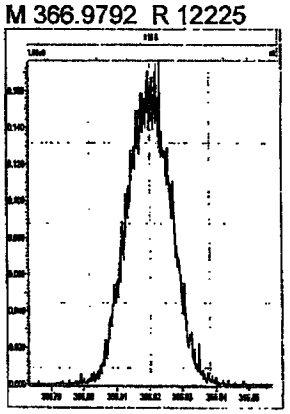
M 404.9760 R 12499



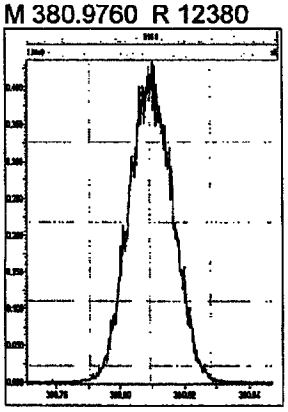
M 416.9760 R 12631



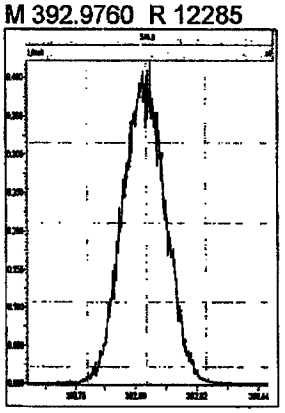
M 366.9792 R 12225



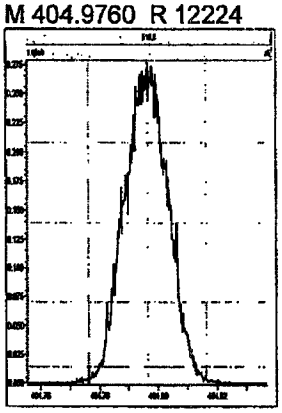
M 380.9760 R 12380



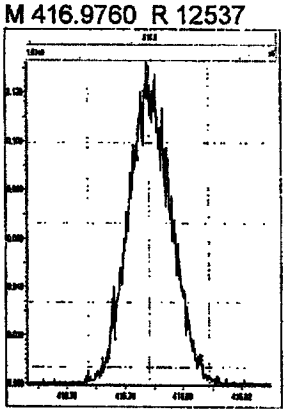
M 392.9760 R 12285



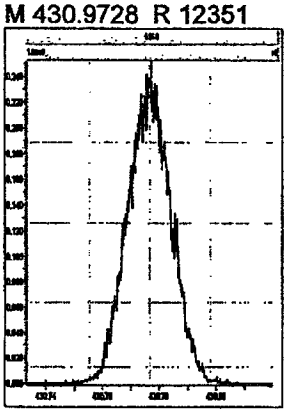
M 404.9760 R 12224



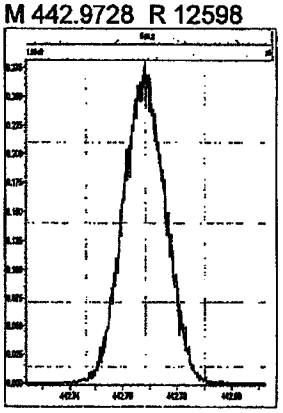
M 416.9760 R 12537



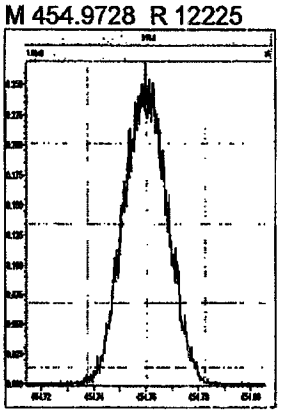
M 430.9728 R 12351



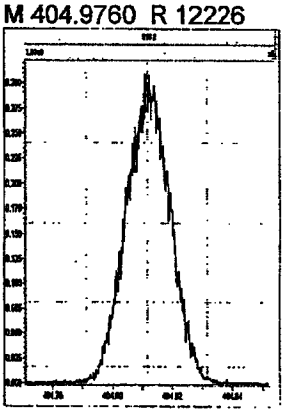
M 442.9728 R 12598



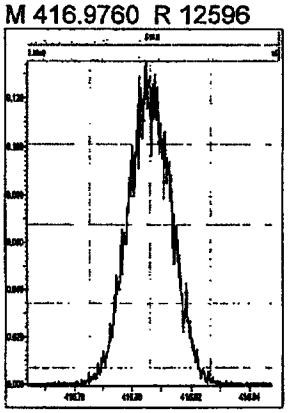
M 454.9728 R 12225



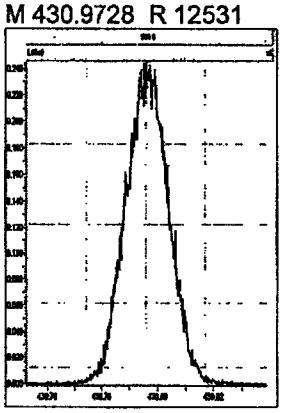
M 404.9760 R 12226



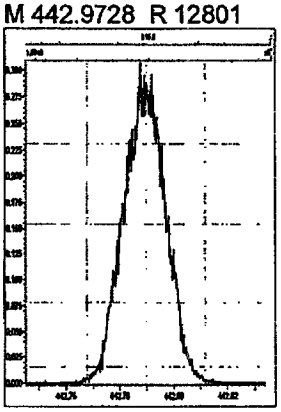
M 416.9760 R 12596



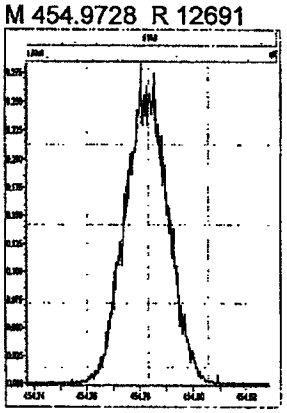
M 430.9728 R 12531



M 442.9728 R 12801

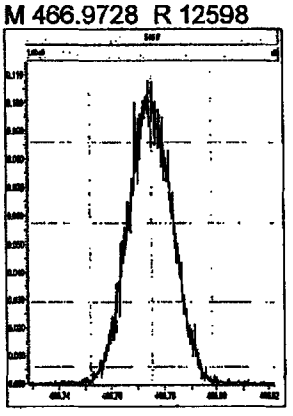


M 454.9728 R 12691

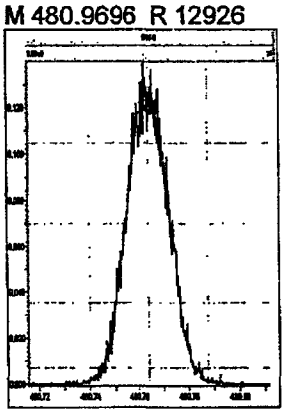


Printed: Wednesday, September 29, 2010 23:11:39 Pacific Daylight Time

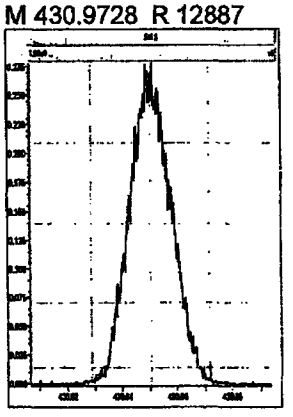
M 466.9728 R 12598



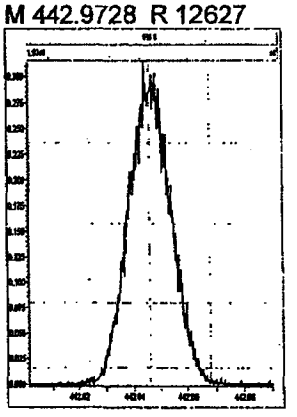
M 480.9696 R 12926



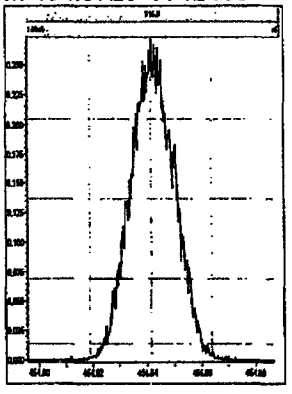
M 430.9728 R 12887



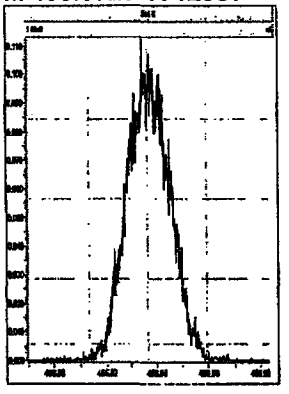
M 442.9728 R 12627



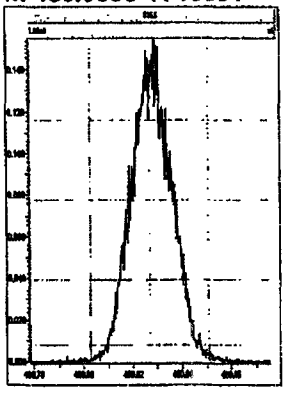
M 454.9728 R 12406



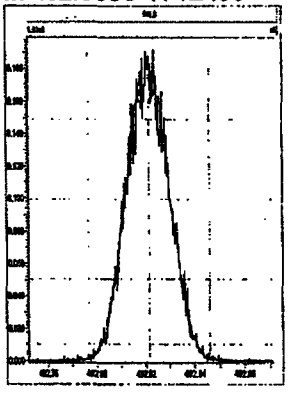
M 466.9728 R 12987



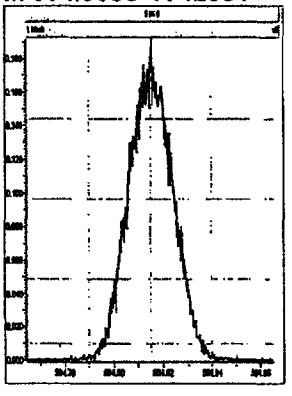
M 480.9696 R 13091



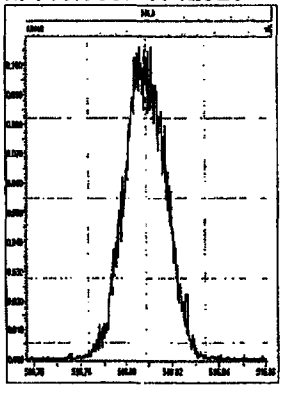
M 492.9696 R 12499

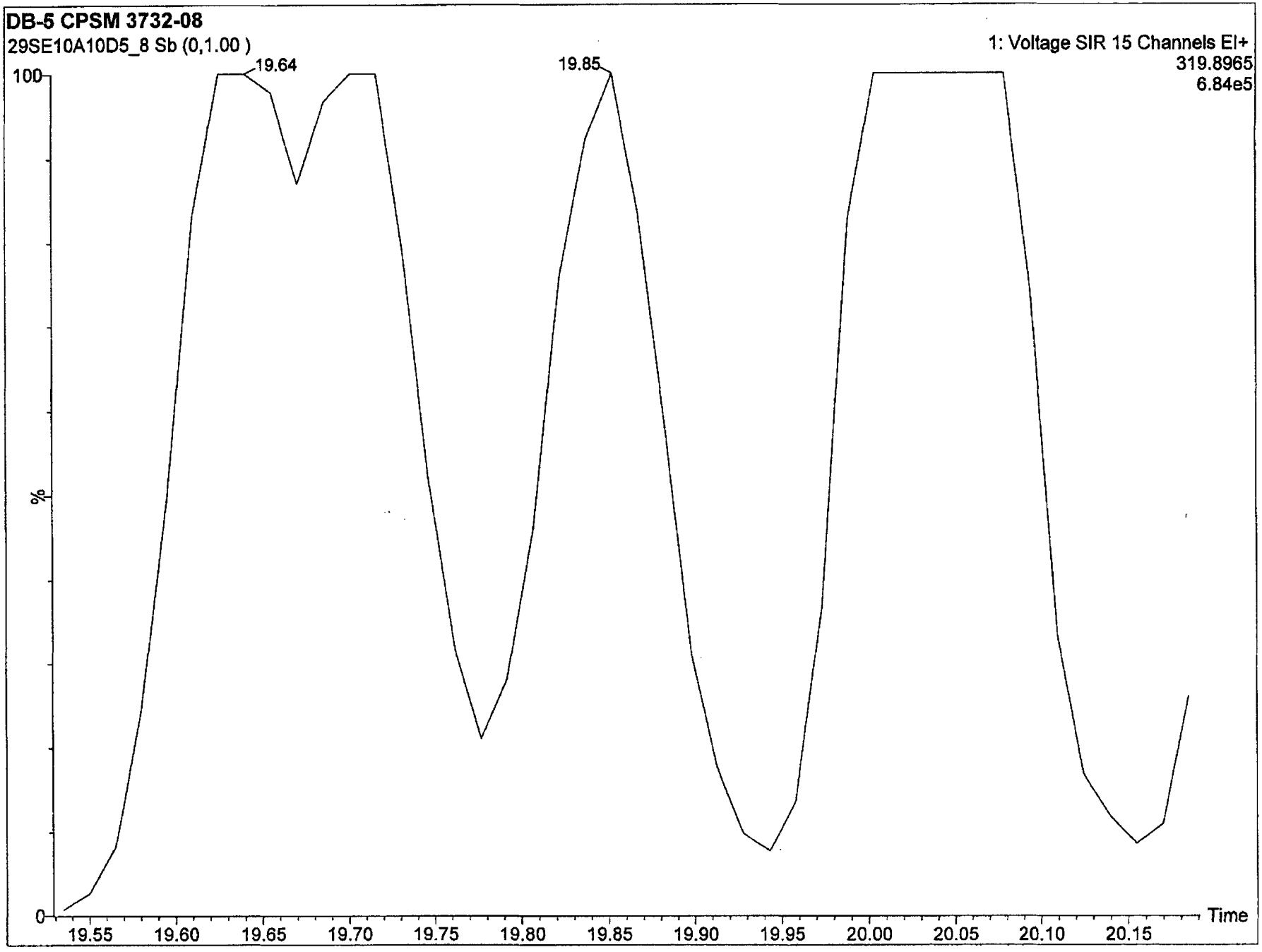


M 504.9696 R 12661



M 516.9697 R 12929




DB-5 CPSM 3732-08
29SE10A10D5_8 Sb (0,1.00)
1: Voltage SIR 15 Channels EI+
319.8965
6.84e5
19.64
19.85
100
%
0
Time
19.55
19.60
19.65
19.70
19.75
19.80
19.85
19.90
19.95
20.00
20.05
20.10
20.15

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:31:47 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\161310D5.mdb 29 Sep 2010 14:36:48
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA09291010D51613.cdb 30 Sep 2010 10:19:34

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340, Task:

#	Name	Trace	Sample Size	RT	Rel RT	RRF	M	Ab Resp	Conc	EMPC	%Rec	EDL	Ratio	Rel Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	1.000000	19.81	19.81	1.000		549292.00	2000.0000	2000.0000	100.0	3.2836	0.786	0.770	NO	
2																
3	13C-2,3,7,8-TCDF	315.9419	1.000000	19.01	19.01	1.312		751685.31	2086.0279	2086.0279	104.3	1.9224	0.797	0.770	NO	
4	2,3,7,8-TCDF	303.9016	1.000000	19.04	19.03	0.997		69818.41	186.3200	186.3200		1.0269	0.790	0.770	NO	
5	Total TCDFs	303.9016	1.000000		21.44	0.997			186.3200	186.3200		1.0269				
6																
7	13C-2,3,7,8-TCDD	331.9368	1.000000	19.82	19.82	0.909		530325.88	2123.3526	2123.3526	106.2	3.6108	0.821	0.770	NO	
8	2,3,7,8-TCDD	319.8965	1.000000	19.85	19.82	1.035		50628.70	184.5409	184.5409		0.9624	0.811	0.770	NO	
9	Total TCDDs	319.8965	1.000000		22.69	1.035			184.5409	184.5409		0.9624				
10																
11	37CL-2,3,7,8-TCDD	327.8847	1.000000	19.85	19.83	0.596		69793.53	426.2036	0.0000	53.3	1.0159				
12																
13	13C-1,2,3,7,8-PeCDF	351.9000	1.000000	24.84	24.81	1.024		600597.33	2136.0063	2136.0063	106.8	3.9053	1.614	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	1.000000	24.87	24.85	1.092		152080.39	463.9207	463.9207		2.0081	1.812	1.550	NO	
15	13C-2,3,4,7,8-PeCDF	351.9000	1.000000	26.39	26.38	1.031		581045.25	2052.5792	2052.5792	102.6	3.8790	1.583	1.550	NO	
16	2,3,4,7,8-PeCDF	339.8597	1.000000	26.42	26.39	1.057		145364.56	473.3568	473.3568		2.2286	1.582	1.550	NO	
17	Total F2 PeCDFs	339.8597	1.000000		34.47	1.074			937.2774	937.2774		2.1153				
18	Total F1 PeCDFs	339.8597	1.000000		36.56	1.074						0.7073				
19																
20	13C-1,2,3,7,8-PeCDD	367.8949	1.000000	27.24	27.20	0.735		424586.80	2103.6235	2103.6235	105.2	2.9631	1.542	1.550	NO	
21	1,2,3,7,8-PeCDD	355.8546	1.000000	27.27	27.26	0.960		91987.79	451.4835	451.4835		1.8947	1.606	1.550	NO	
22	Total PeCDDs	355.8546	1.000000		31.10	0.960			451.4835	451.4835		1.8947				
23																
24	13C-1,2,3,7,8,9-HxCDD	401.8559	1.000000	33.27	33.25	1.000		412690.03	2000.0000	2000.0000	100.0	2.5744	1.264	1.240	NO	
25																
26	13C-1,2,3,4,7,8-HxCDF	383.8639	1.000000	32.13	32.12	1.046		442169.45	2047.8781	2047.8781	102.4	4.7408	0.524	0.510	NO	
27	1,2,3,4,7,8-HxCDF	373.8208	1.000000	32.14	32.14	1.313		143739.06	495.3173	495.3173		1.1360	1.334	1.240	NO	
28	13C-1,2,3,6,7,8-HxCDF	383.8639	1.000000	32.24	32.24	1.257		563820.70	2174.2054	2174.2054	108.7	3.9473	0.532	0.510	NO	
29	1,2,3,6,7,8-HxCDF	373.8208	1.000000	32.25	32.25	1.198		159255.71	471.4026	471.4026		1.0479	1.234	1.240	NO	
30	13C-2,3,4,6,7,8-HxCDF	383.8639	1.000000	32.79	32.79	1.132		506305.00	2168.1758	2168.1758	108.4	4.3835	0.541	0.510	NO	
31	2,3,4,6,7,8-HxCDF	373.8208	1.000000	32.80	32.80	1.251		143249.22	452.3978	452.3978		0.9460	1.259	1.240	NO	

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:31:47 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340, Task:

#	Name	Trace	Sample Size	RT	Pro RT	RREM	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Pct Ratio	Ratio	Mod Date
32	13C-1,2,3,7,8,9-HxCDF	383.8639	1.000000	33.43	33.45	1.027	428173.47	2020.3112	2020.3112	101.0	4.8299	0.544	0.510	NO	
33	1,2,3,7,8,9-HxCDF	373.8208	1.000000	33.44	33.43	1.220	130229.37	498.6113	498.6113		1.1708	1.295	1.240	NO	
34	Total HxCDFs	373.8208	1.000000		0.00	1.245		1917.7290	1917.7290		1.0667				
35															
36	13C-1,2,3,4,7,8-HxCDD	401.8559	1.000000	32.93	32.93	0.870	372301.28	2073.7066	2073.7066	103.7	2.9589	1.264	1.240	NO	
37	1,2,3,4,7,8-HxCDD	389.8157	1.000000	32.94	32.93	1.013	87634.21	464.6317	464.6317		0.9787	1.267	1.240	NO	
38	13C-1,2,3,6,7,8-HxCDD	401.8559	1.000000	33.00	33.01	0.901	398558.97	2143.2002	2143.2002	107.2	2.8565	1.274	1.240	NO	
39	1,2,3,6,7,8-HxCDD	389.8157	1.000000	33.01	33.00	1.095	98578.57	451.7551	451.7551		0.9557	1.329	1.240	NO	
40	1,2,3,7,8,9-HxCDD	389.8157	1.000000	33.28	33.26	1.075	98067.26	473.4468	473.4468		0.9490	1.225	1.240	NO	
41	Total HxCDDs	389.8157	1.000000		0.00	1.061		1389.8337	1389.8337		0.9613				
42															
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	1.000000	34.80	34.80	0.951	435885.47	2221.0925	2221.0925	111.1	5.0973	0.437	0.440	NO	
44	1,2,3,4,6,7,8-HpCDF	407.7818	1.000000	34.81	34.81	1.463	145579.14	456.6379	456.6379		1.0839	1.049	1.040	NO	
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	1.000000	35.95	35.95	0.827	352322.64	2063.5160	2063.5160	103.2	5.8589	0.436	0.440	NO	
46	1,2,3,4,7,8,9-HpCDF	407.7818	1.000000	35.97	35.96	1.414	116361.14	467.0713	467.0713		1.5578	1.073	1.040	NO	
47	Total HpCDFs	407.7818	1.000000		0.00	1.439		923.7092	923.7092		1.2941				
48															
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	1.000000	35.63	35.62	0.846	372365.16	2133.5833	2133.5833	106.7	8.8568	1.079	1.040	NO	
50	1,2,3,4,6,7,8-HpCDD	423.7766	1.000000	35.64	35.64	1.055	90395.93	460.4155	460.4155		1.1971	1.080	1.040	NO	
51	Total HpCDDs	423.7766	1.000000		0.03	1.055		460.4155	460.4155		1.1971				
52															
53	13C-OCDD	469.7779	1.000000	38.19	38.20	0.673	587061.03	4229.3267	4229.3267	105.7	5.5372	0.895	0.890	NO	
54	OCDF	441.7428	1.000000	38.31	38.30	1.486	202443.13	928.1801	928.1801		1.7873	0.965	0.890	NO	
55	OCDD	457.7377	1.000000	38.20	38.20	1.151	157707.30	933.3634	933.3634		2.4036	0.976	0.890	NO	
56															
57															
58	Function 1 PFK	330.97920	1.000000		15.71	12269....					0.0000				
59	Function 3 PFK	380.97600	1.000000		33.18	6224.7...					0.0000				
60	Function 2 PFK	342.97920	1.000000		27.81	8388.7...					0.0000				
61	Function 4 PFK	430.97280	1.000000		35.59	6928.9...					0.0000				
62	Function 5 PFK	442.97280	1.000000		39.76										
63	TCDF PCDPE	375.8364	1.000000	16.65	16.74		53.70								
64	F1 PeCDF PCDPE	409.79740	1.000000	21.02	21.03		49.48								
65	F2 PeCDF PCDPE	409.7974	1.000000	28.46	28.45	24.689	46.47	1.8821		188.2	2.6733				
66	HXCDF PCDPE	445.7555	1.000000		34.50										

Quantify Sample Report **MassLynx 4.1**

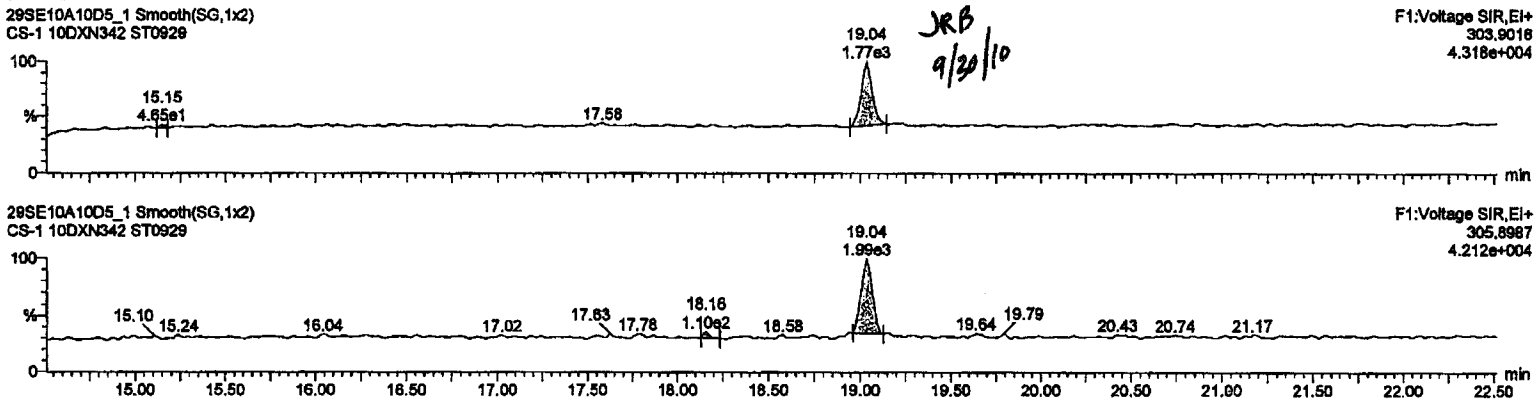
Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

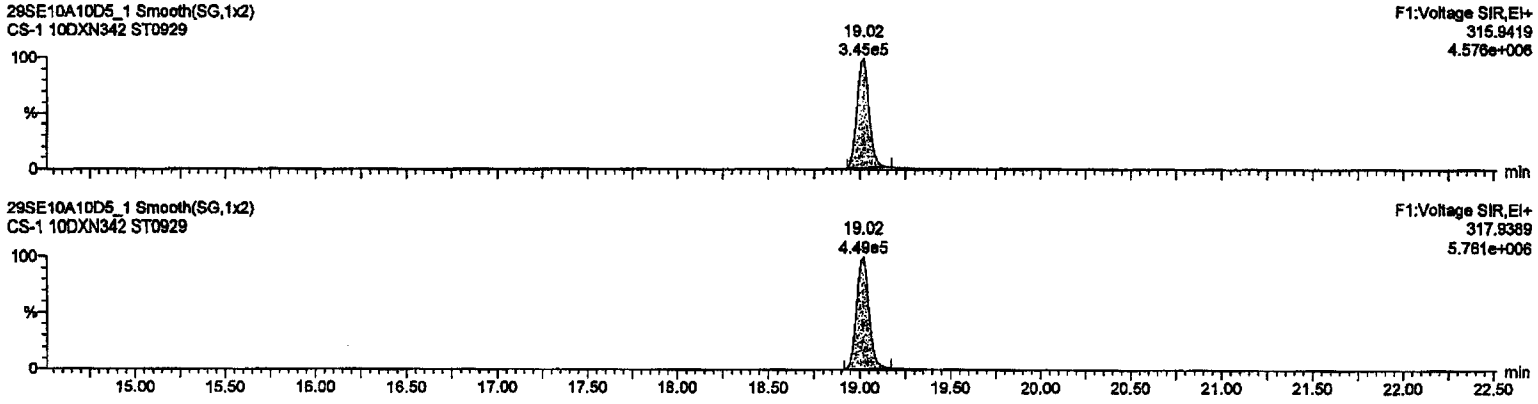
Method: C:\MassLynx\Default.PRO\MethDB\829010D5.mdb 29 Sep 2010 13:52:42
Calibration: 30 Sep 2010 10:11:18

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

TCDFs



13C-TCDF



Quantify Compound Report **MassLynx 4.1** Page 1 of 1

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

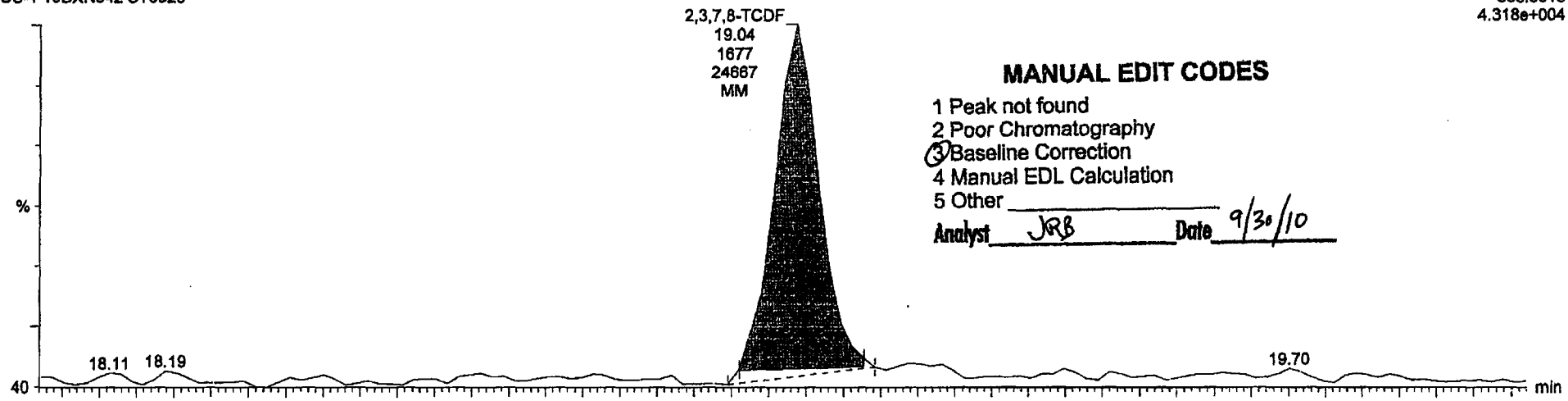
Last Altered: Thursday, September 30, 2010 10:13:51 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:15:41 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\829010D5.mdb 29 Sep 2010 13:52:42
Calibration: 30 Sep 2010 10:13:51

Sample Name: 29SE10A10D5_1

29SE10A10D5_1 Smooth(SG,1x2)
CS-1 10DXN342 ST0929

F1:Voltage SIR,EI+
303.9016
4.318e+004



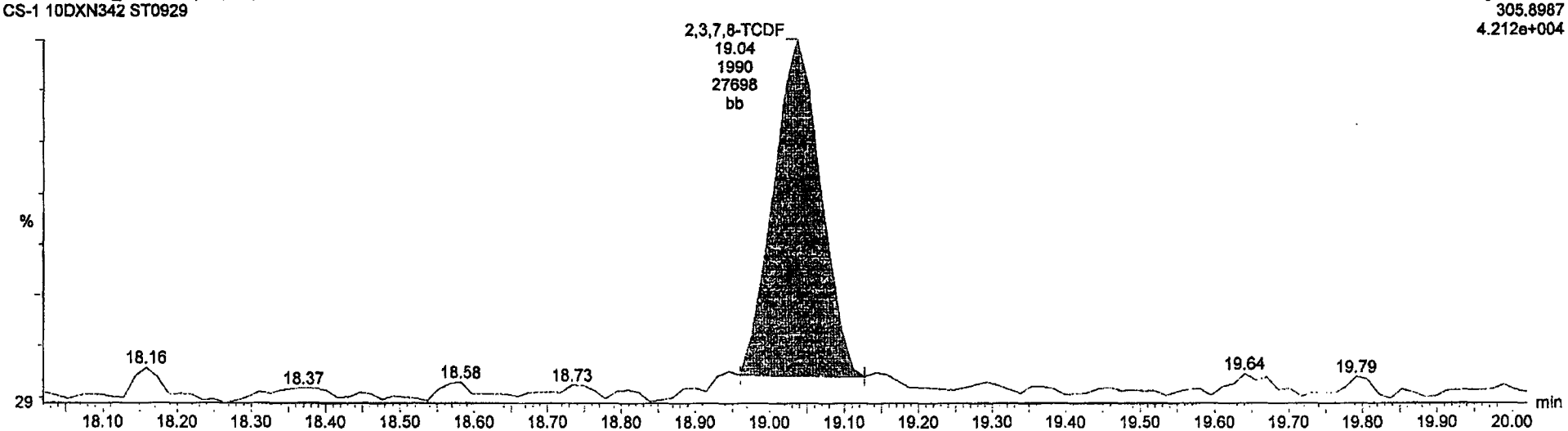
MANUAL EDIT CODES

1 Peak not found
2 Poor Chromatography
(3) Baseline Correction
4 Manual EDL Calculation
5 Other _____

Analyst JRB Date 9/30/10

29SE10A10D5_1 Smooth(SG,1x2)
CS-1 10DXN342 ST0929

F1:Voltage SIR,EI+
305.8987
4.212e+004



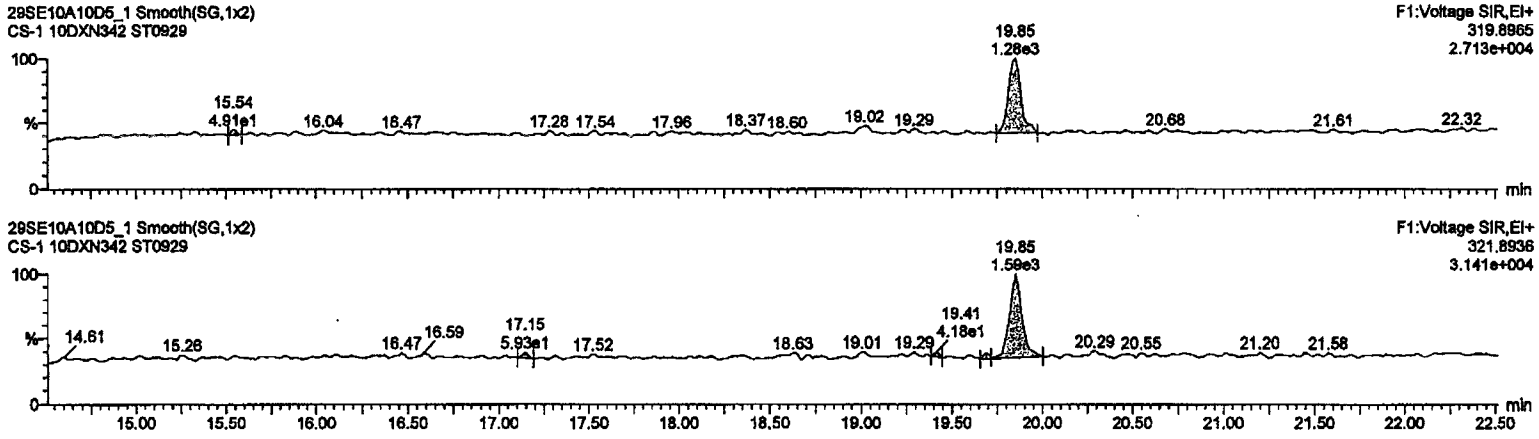
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

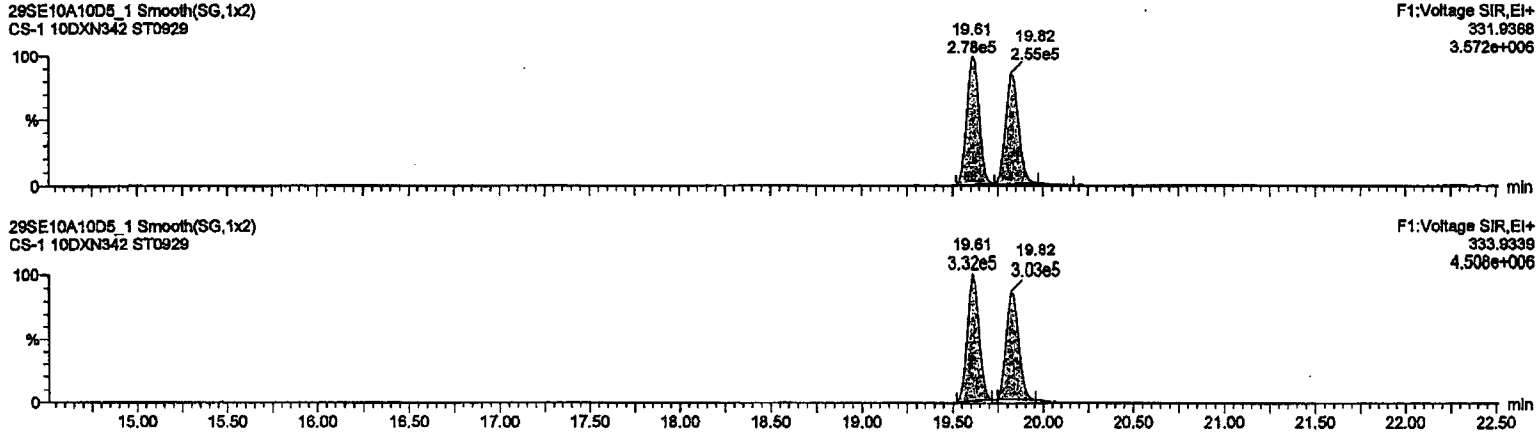
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

TCDDs



13C-TCDDs



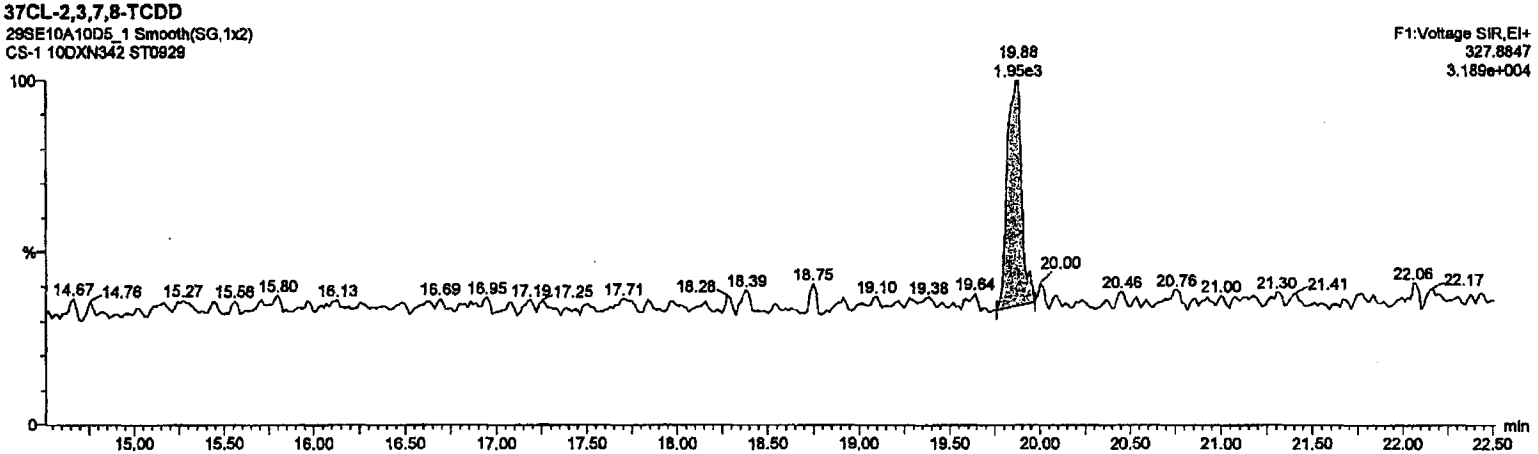
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

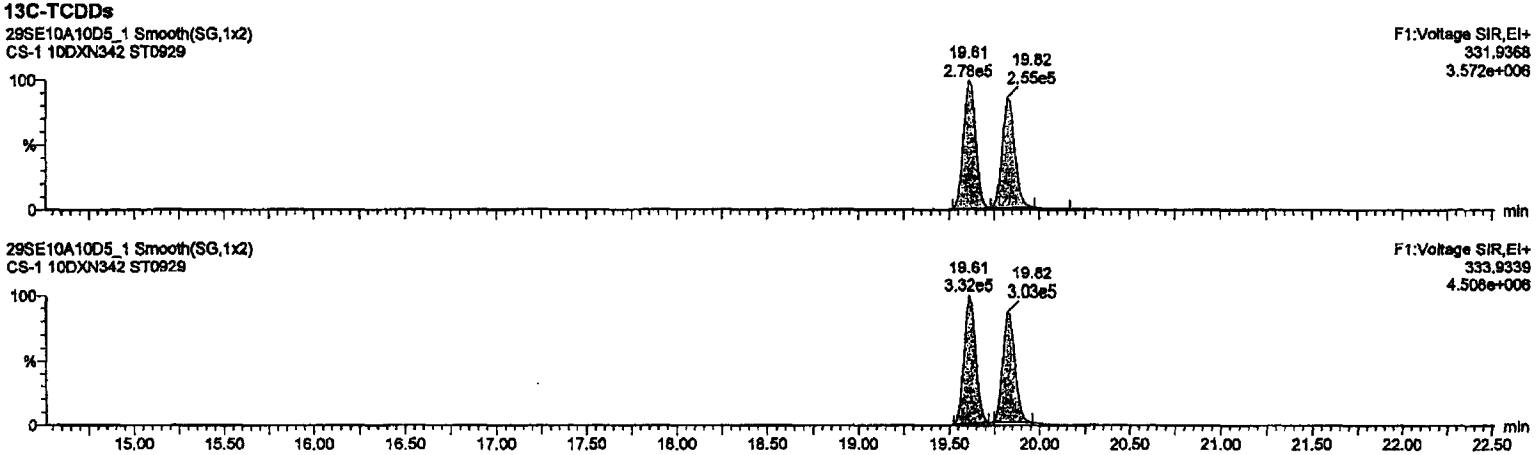
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

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



13C-TCDDs



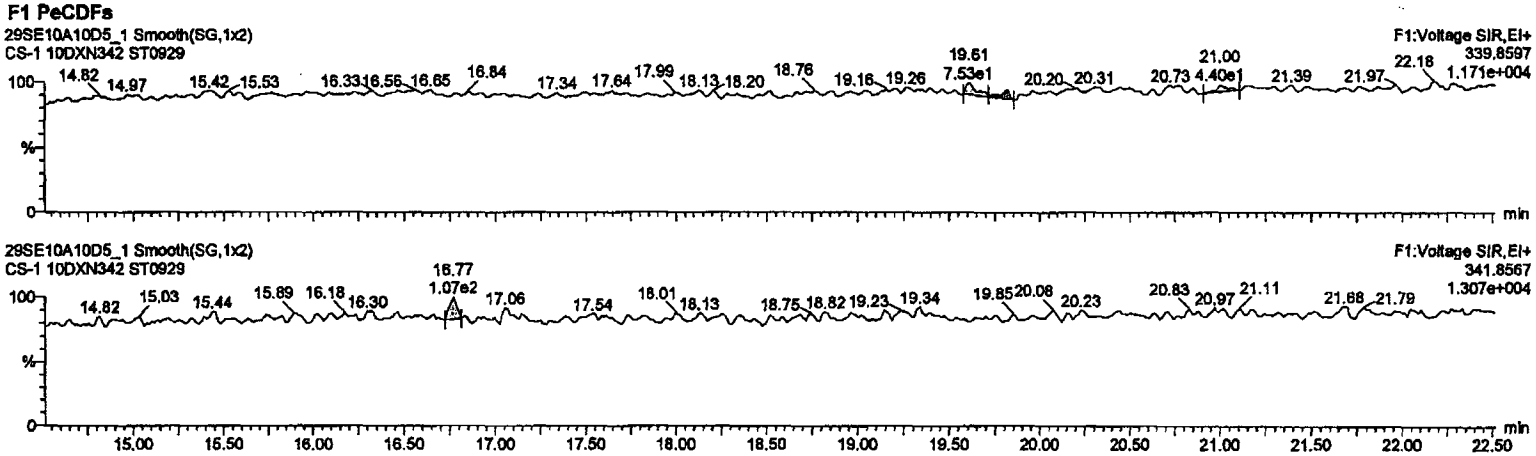
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

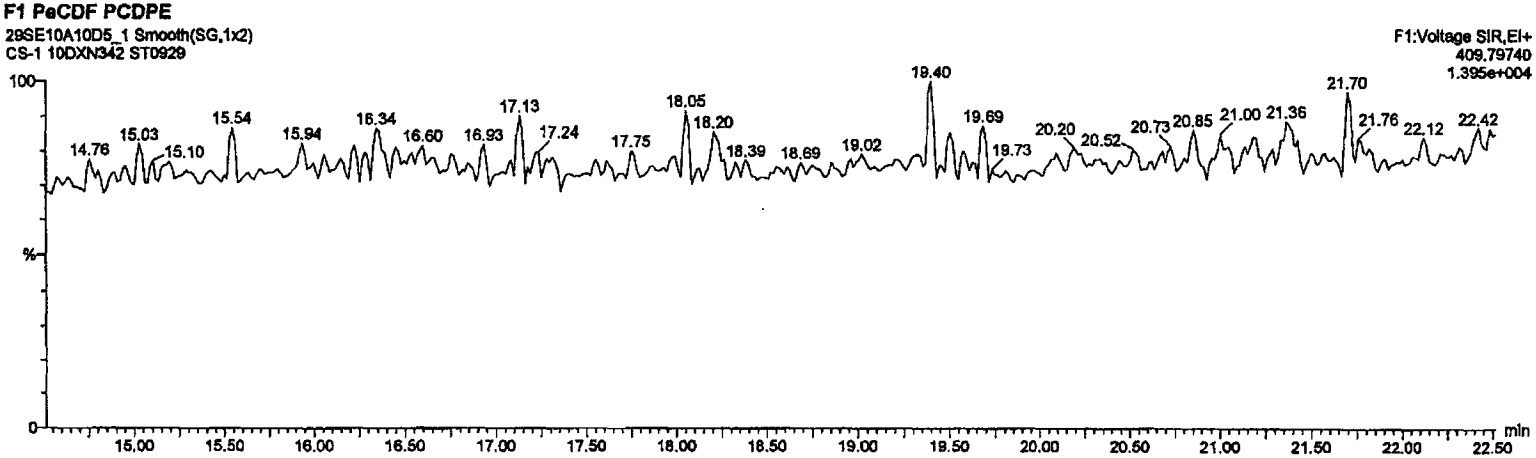
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

F1 PeCDFs



F1 PeCDF PCDPE



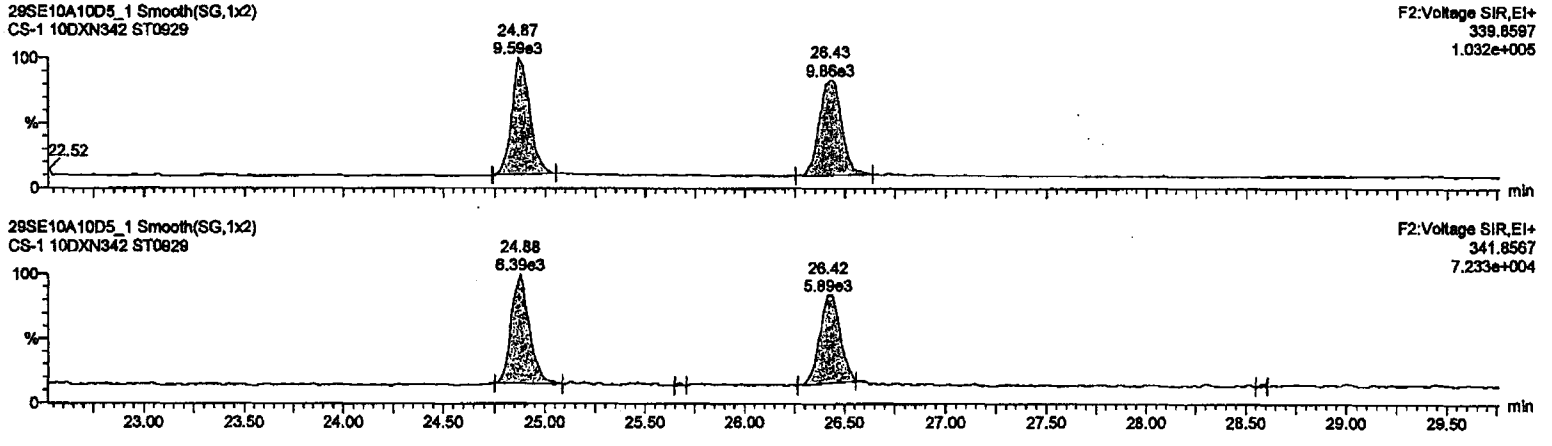
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

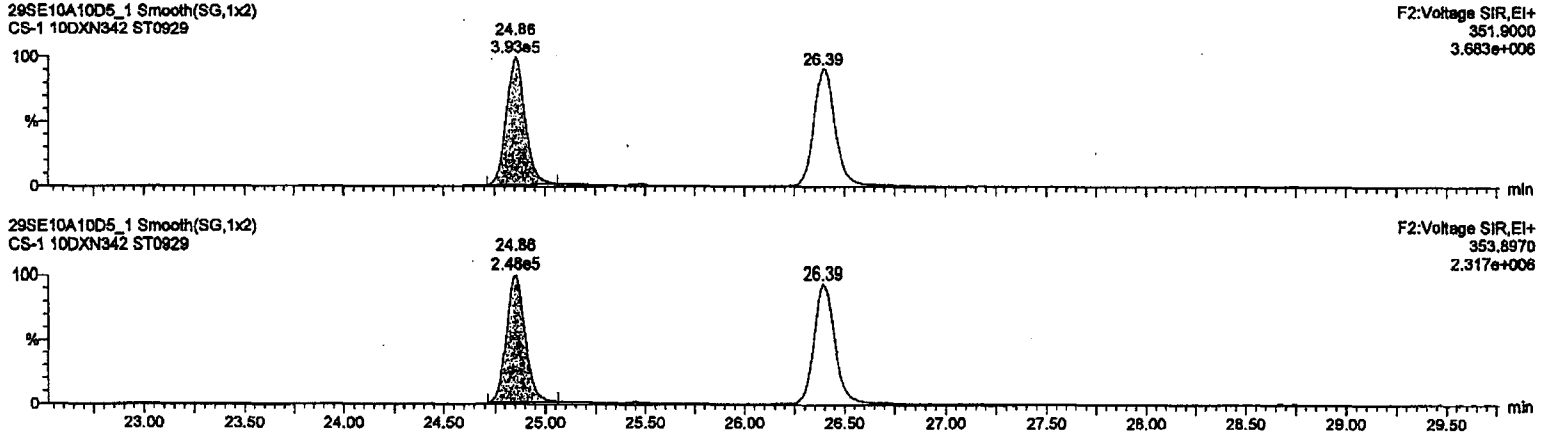
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

PeCDFs



13C-PeCDFs



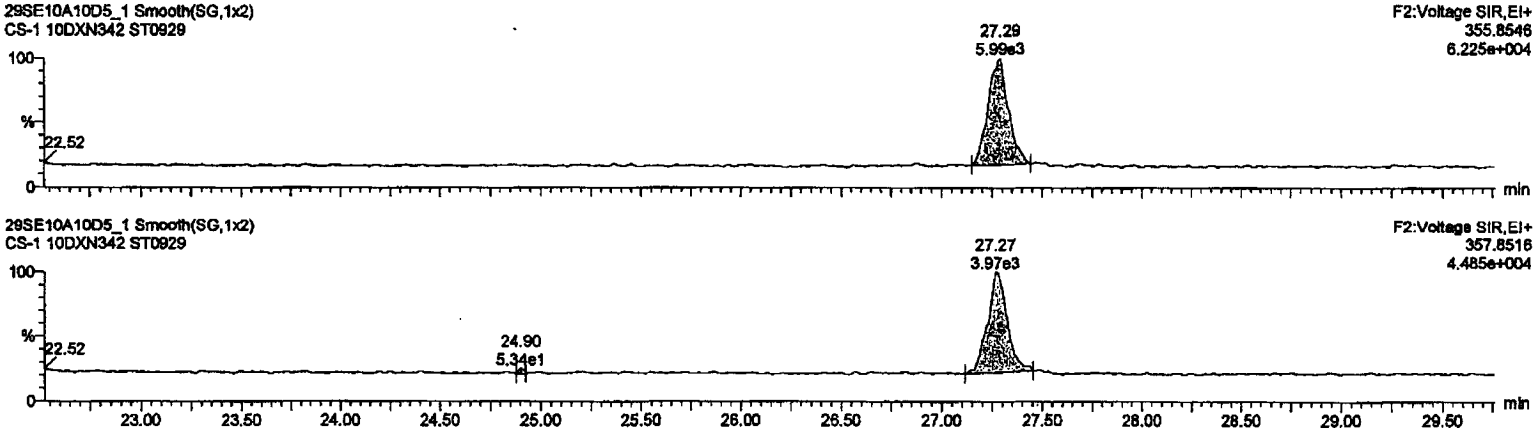
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

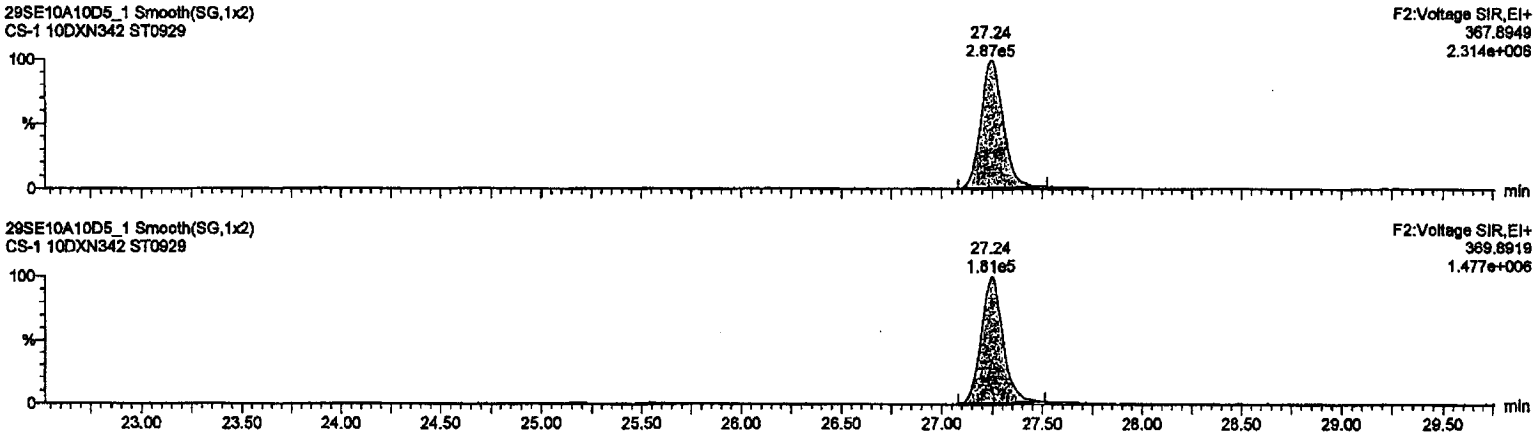
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

PeCDDs



13C-PeCDD



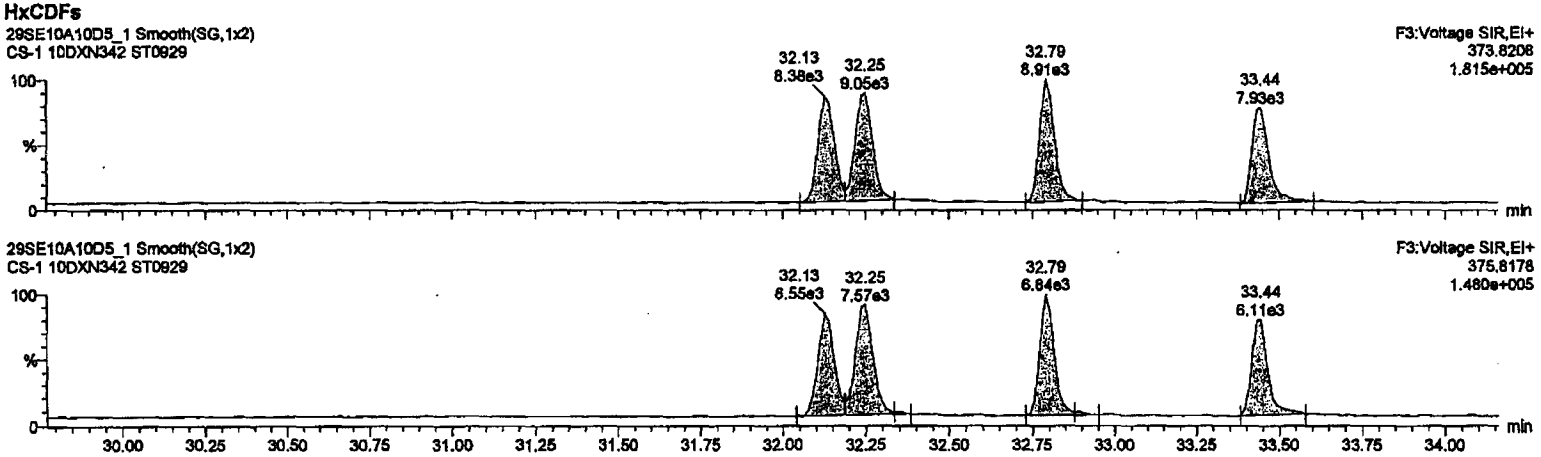
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

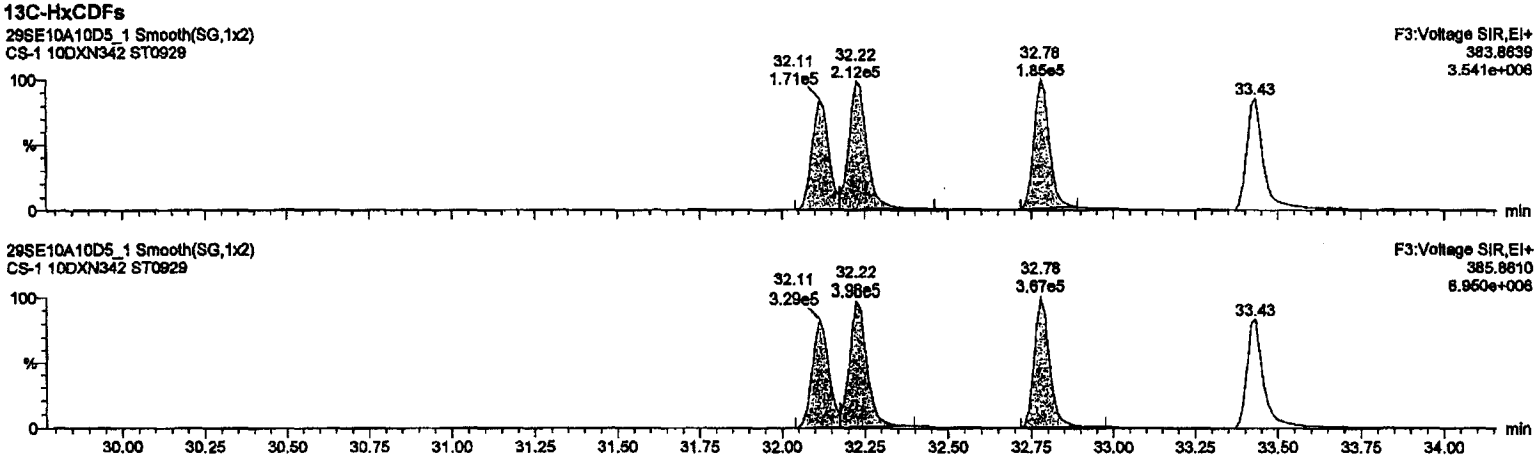
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

HxCDFs



13C-HxCDFs



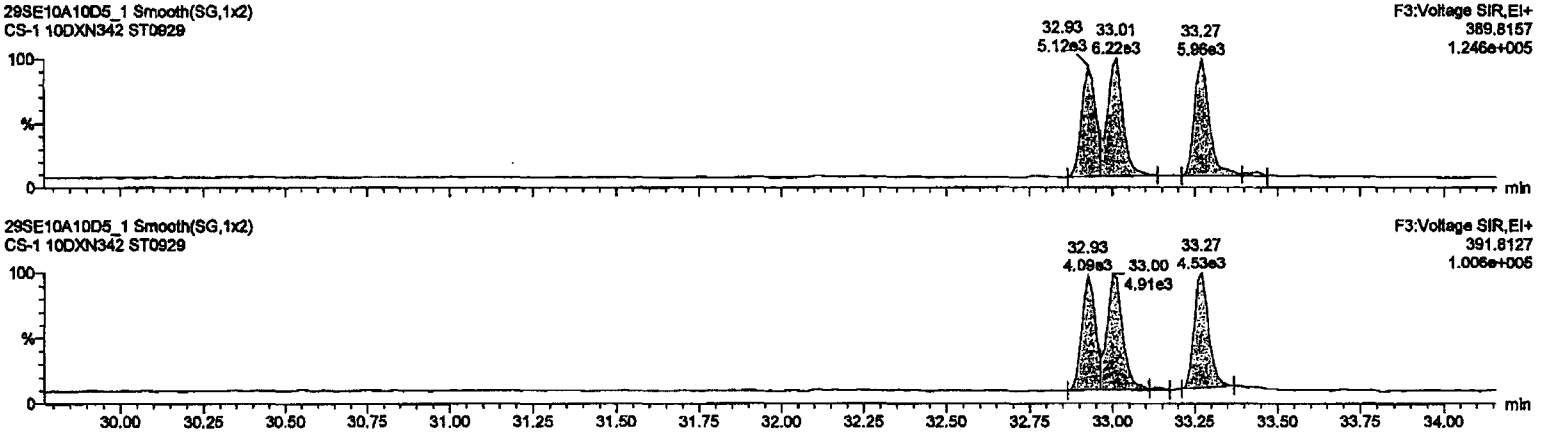
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

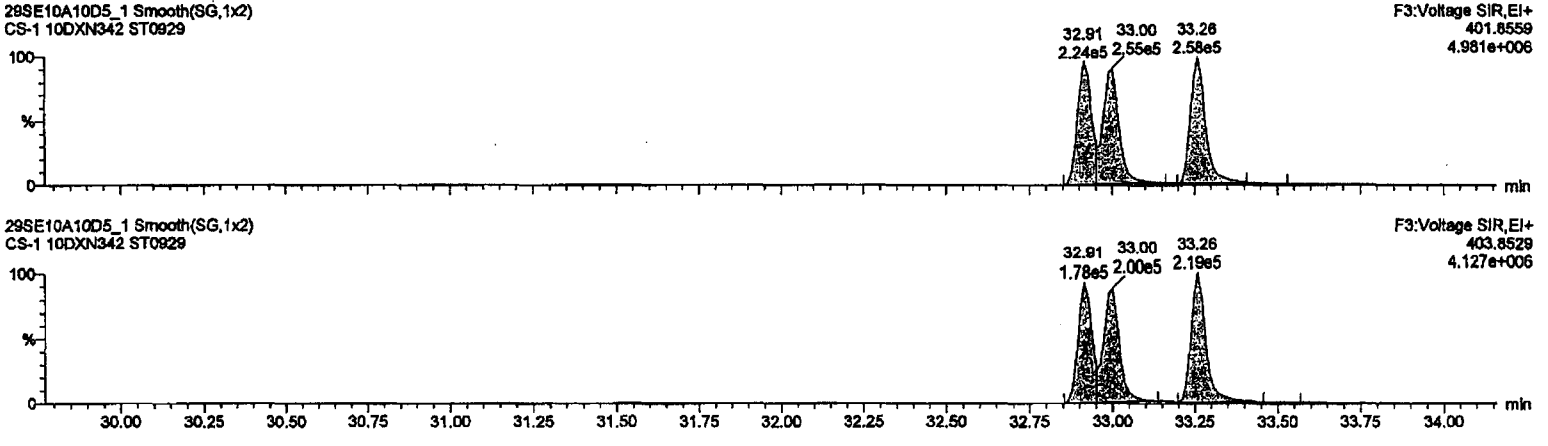
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

HxCDDs



13C-1,2,3,6,7,8-HxCDD



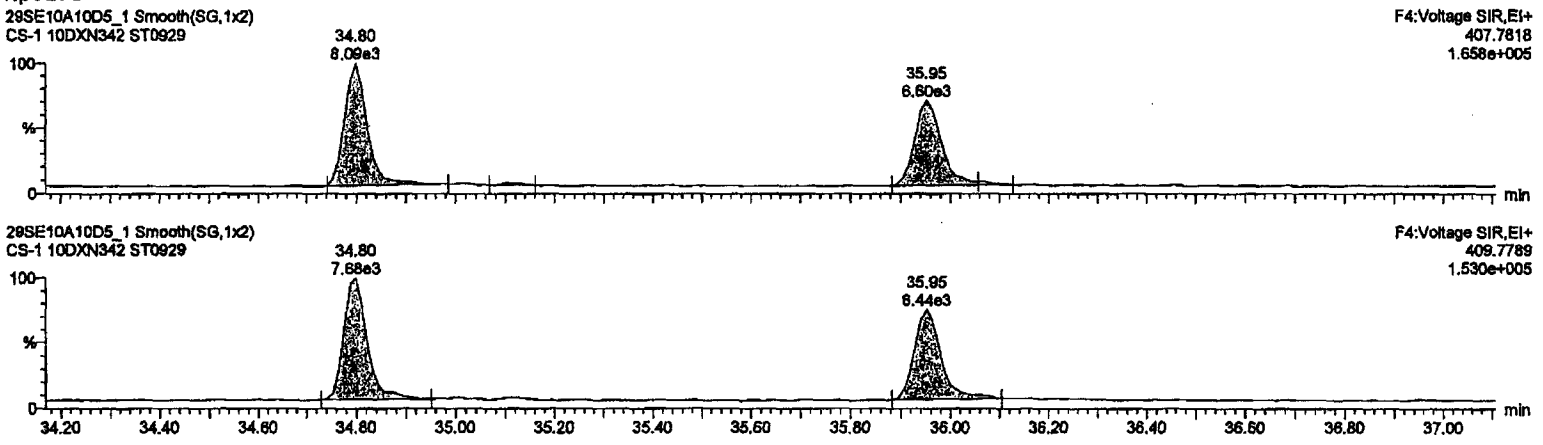
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

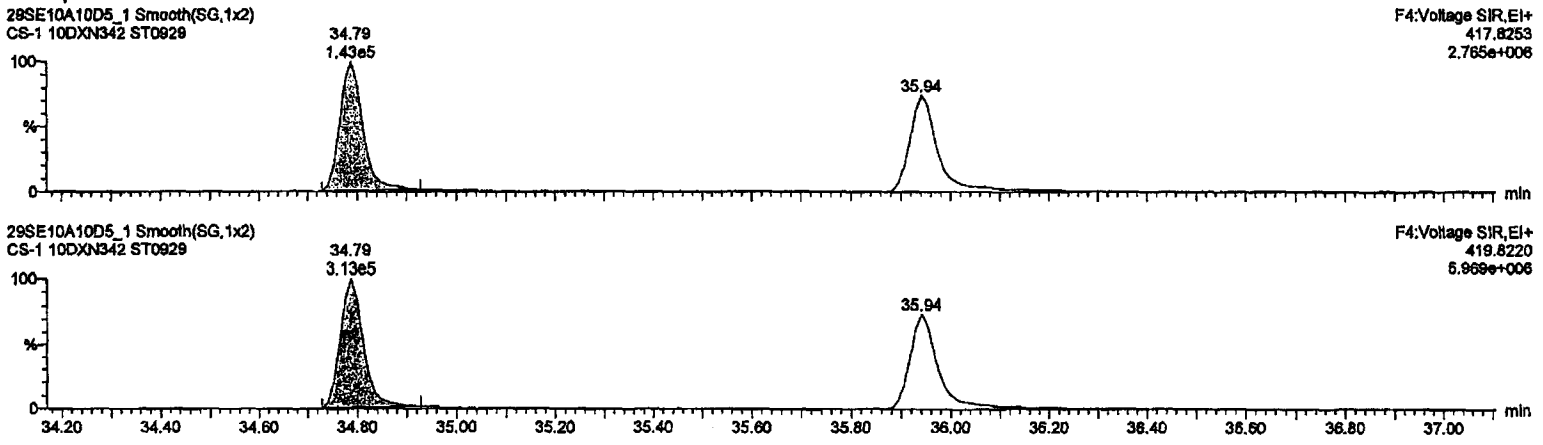
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

HpCDFs



13C-HpCDFs



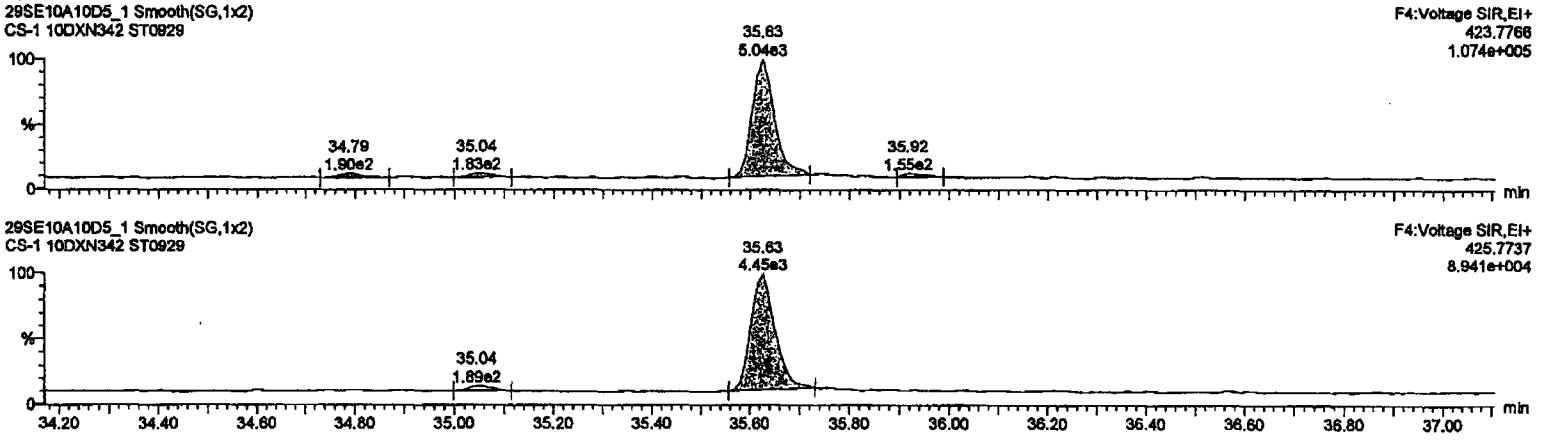
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

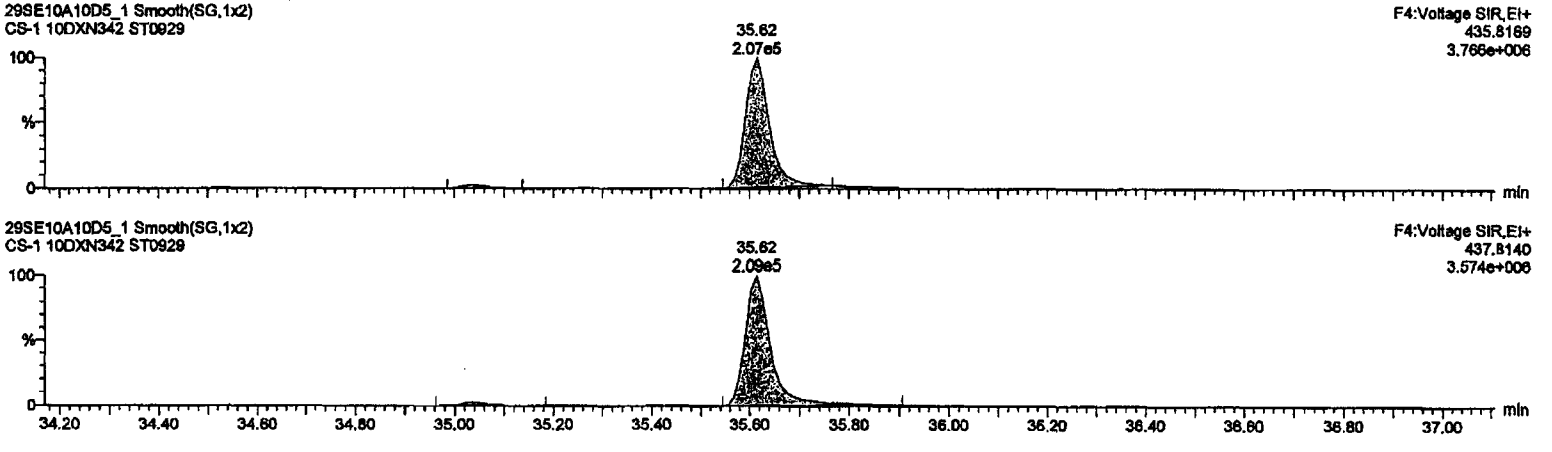
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



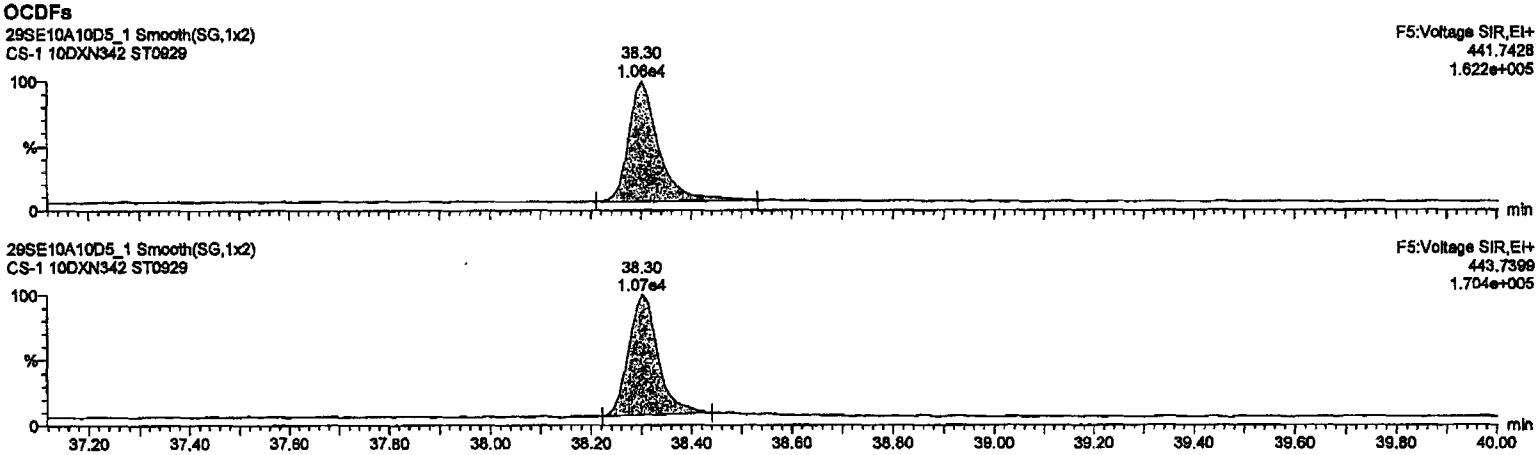
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

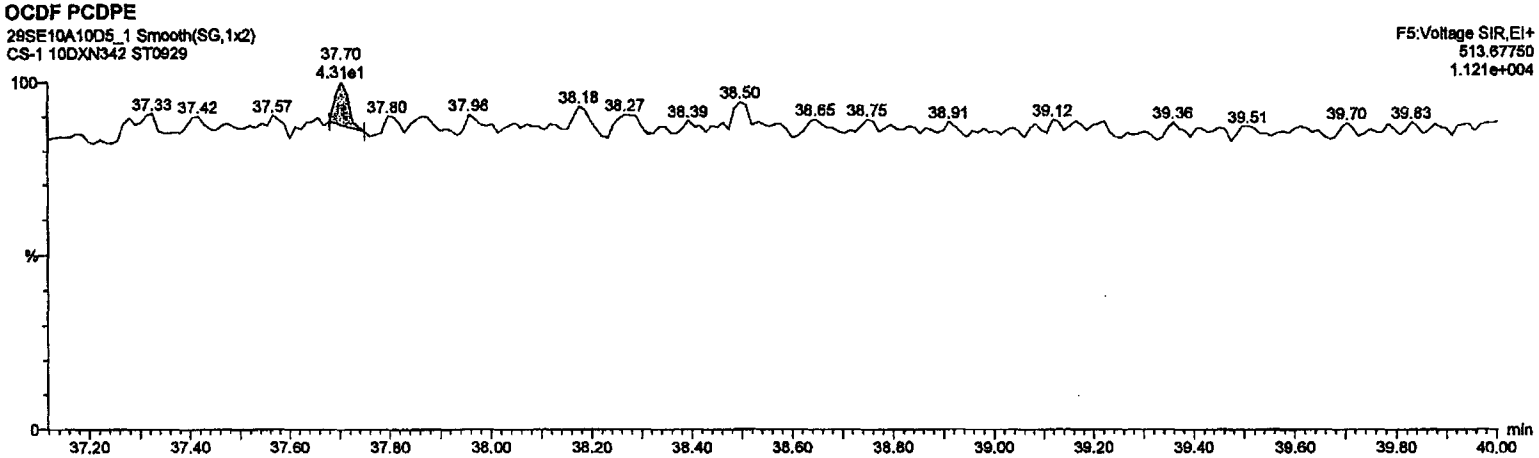
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

OCDFs



OCDF PCDPE



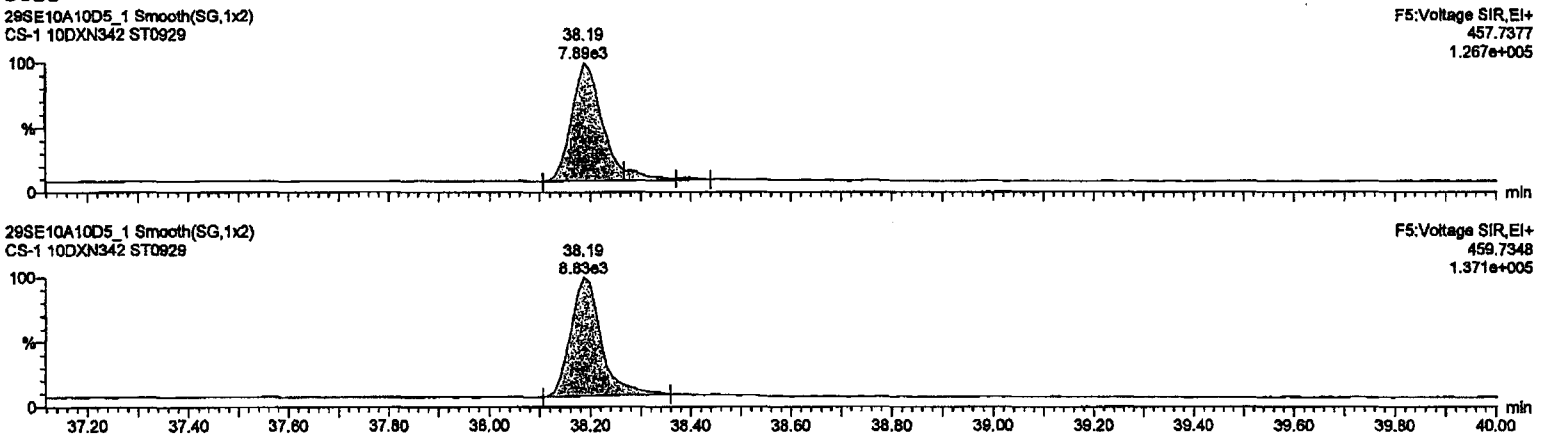
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

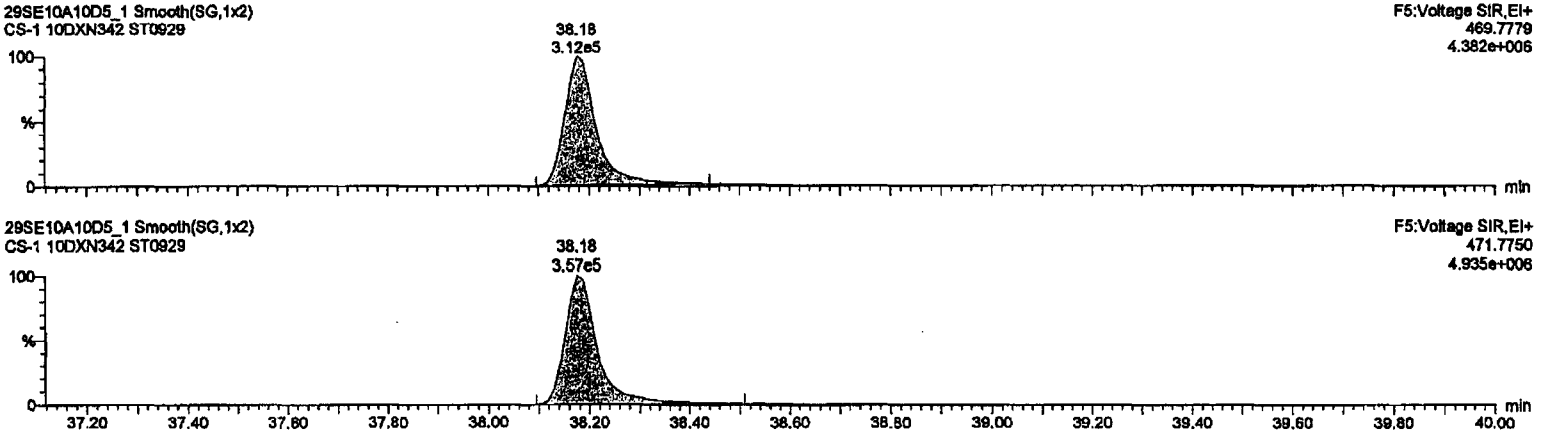
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

OCDD



13C-OCDD



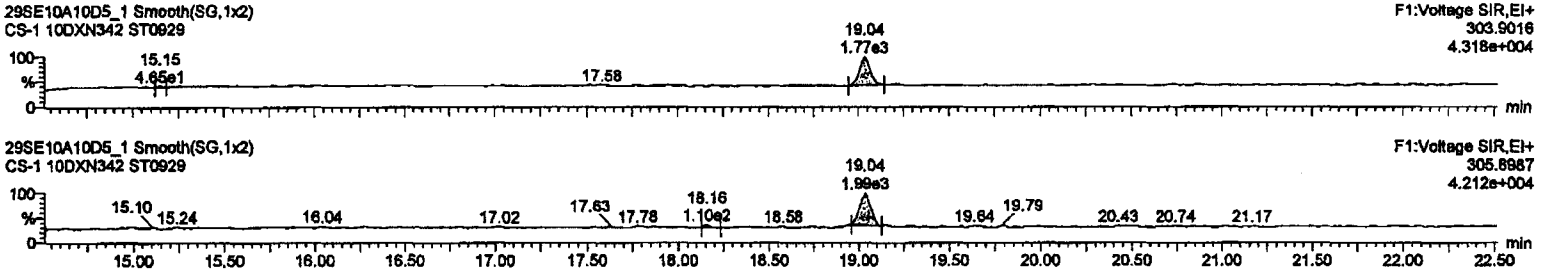
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

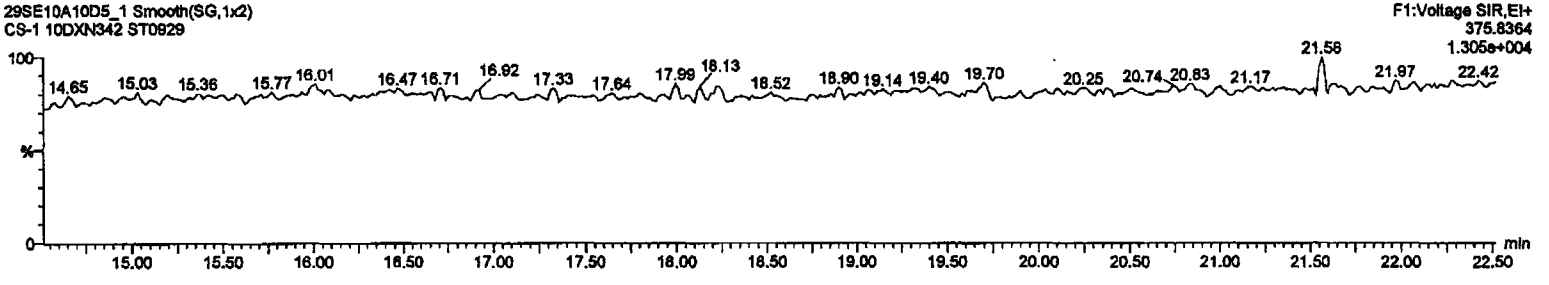
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

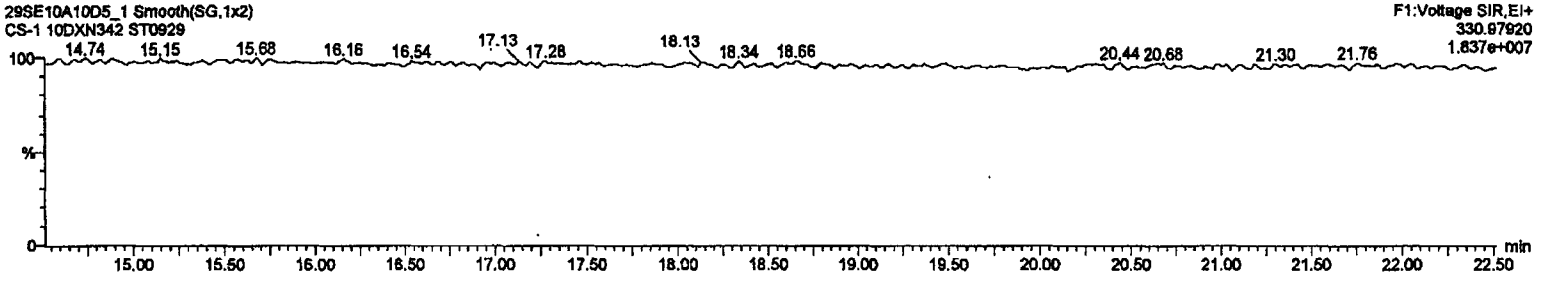
TCDFs



TCDF PCDPE



Function 1 PFK



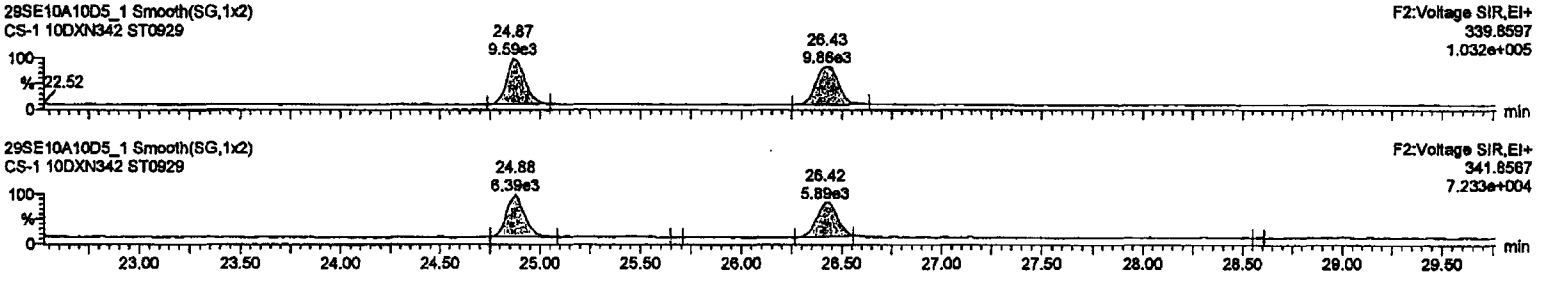
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

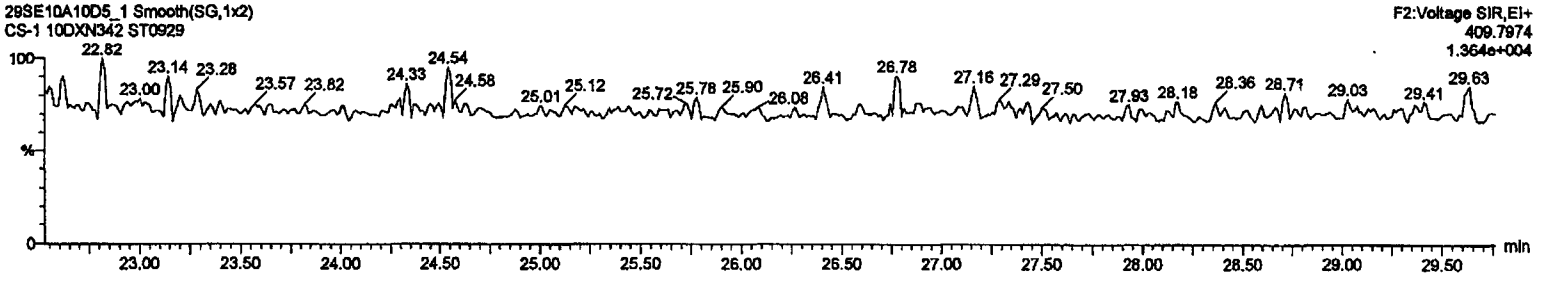
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

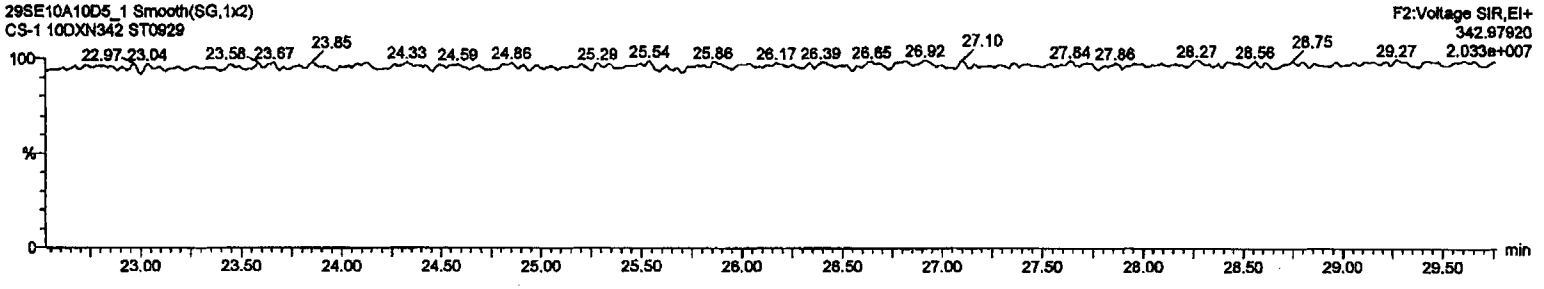
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



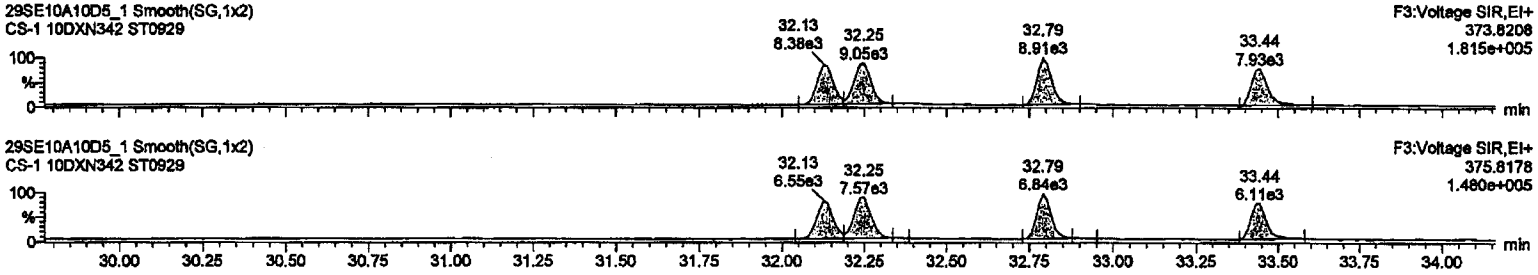
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

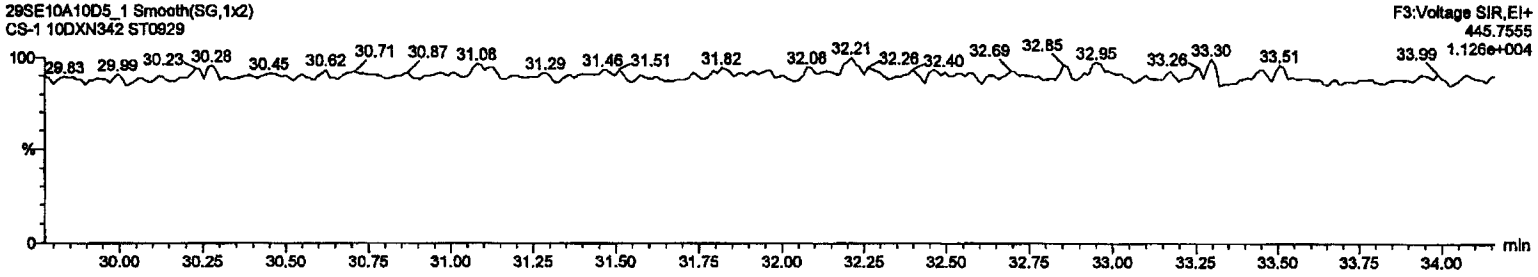
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

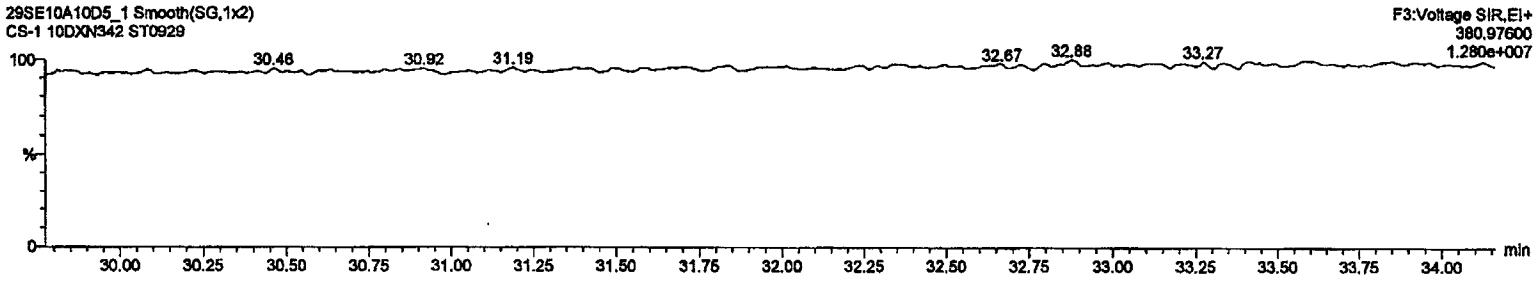
HxCDFs



HxCDF PCDPE



Function 3 PFK



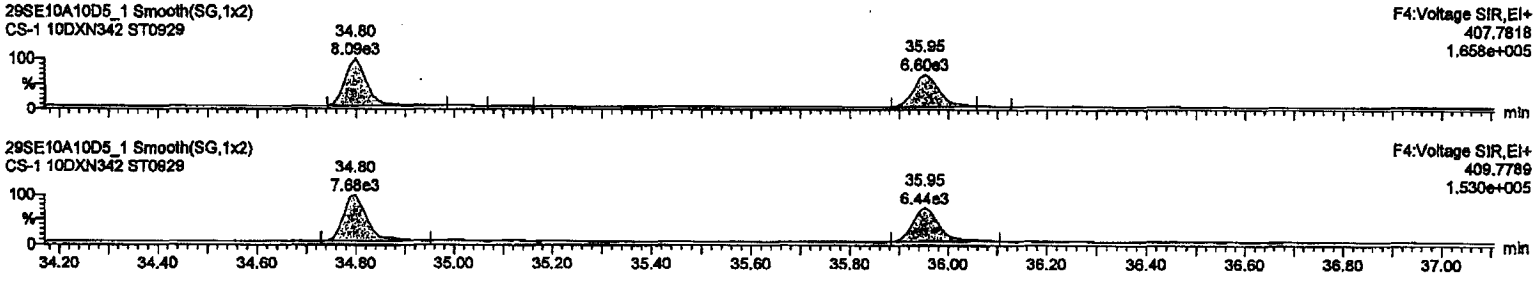
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

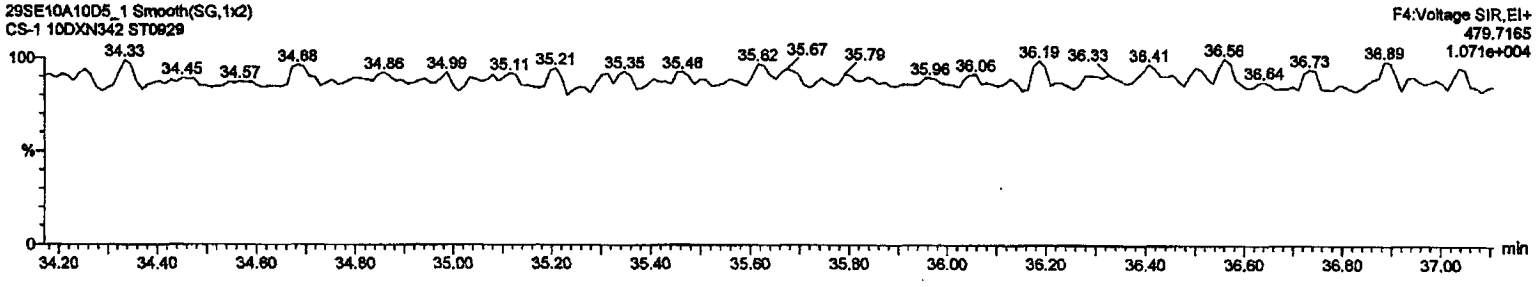
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

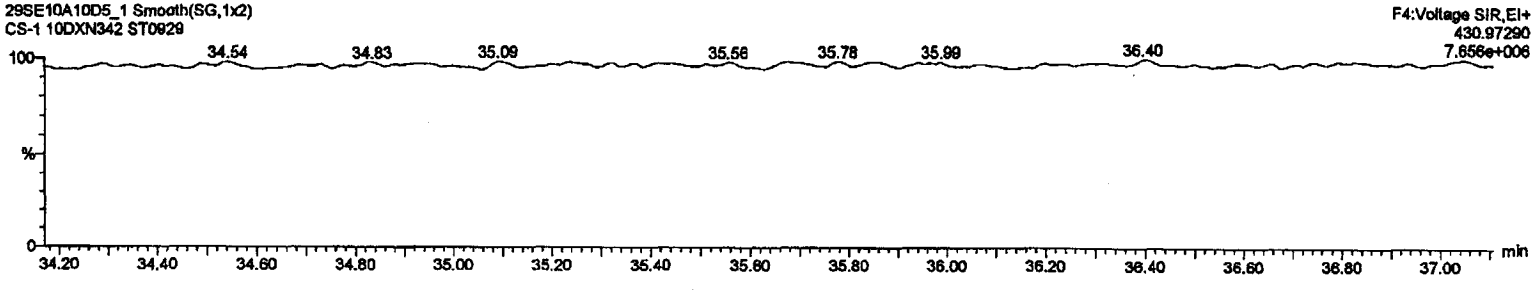
HpCDFs



HpCDF PCDPE



Function 4 PFK



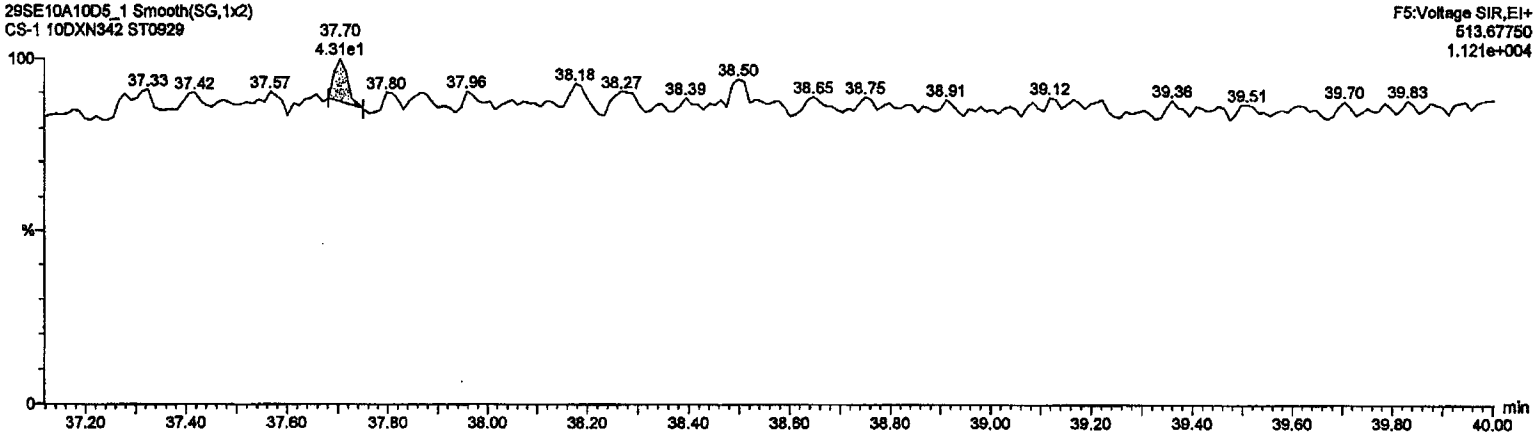
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

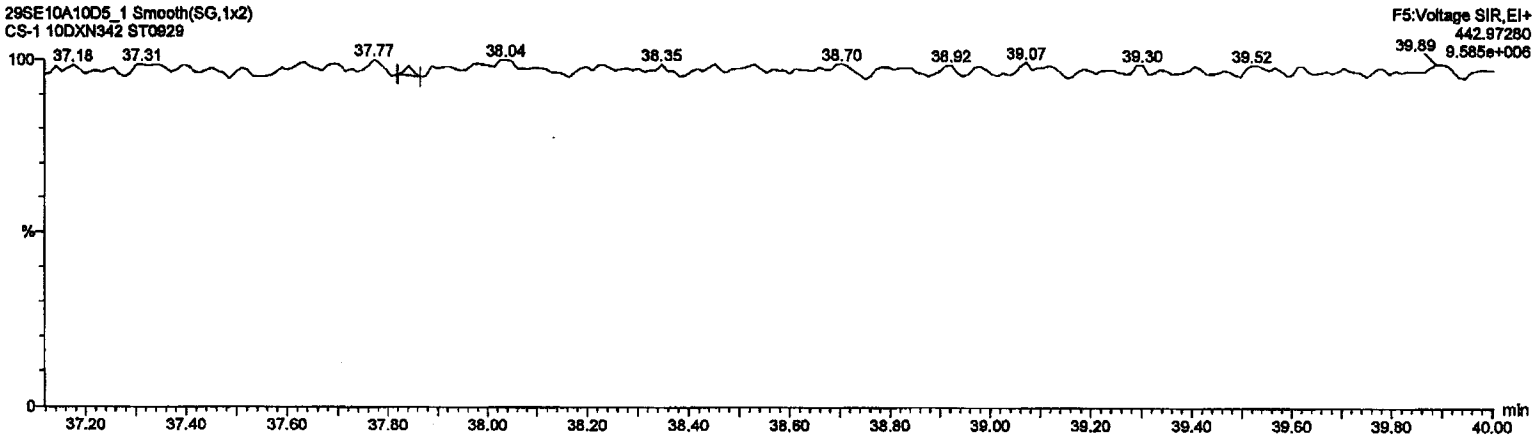
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_1, Date: 29-Sep-2010, Time: 18:52:36, ID: ST0929, Description: CS-1 10DXN342

OCDF PCDPE



Function 5 PFK



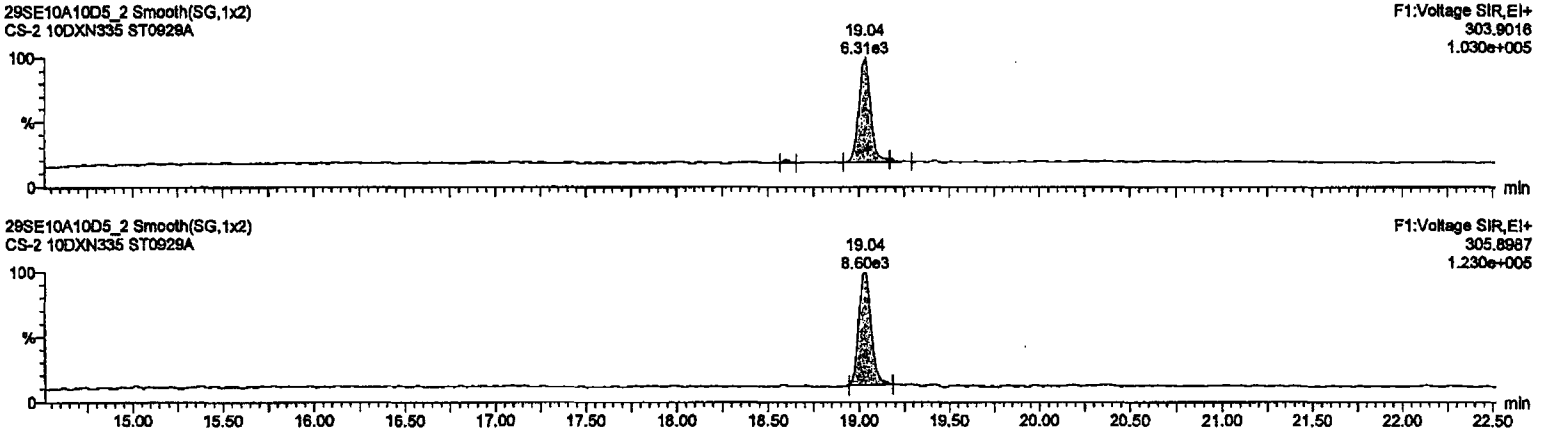
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

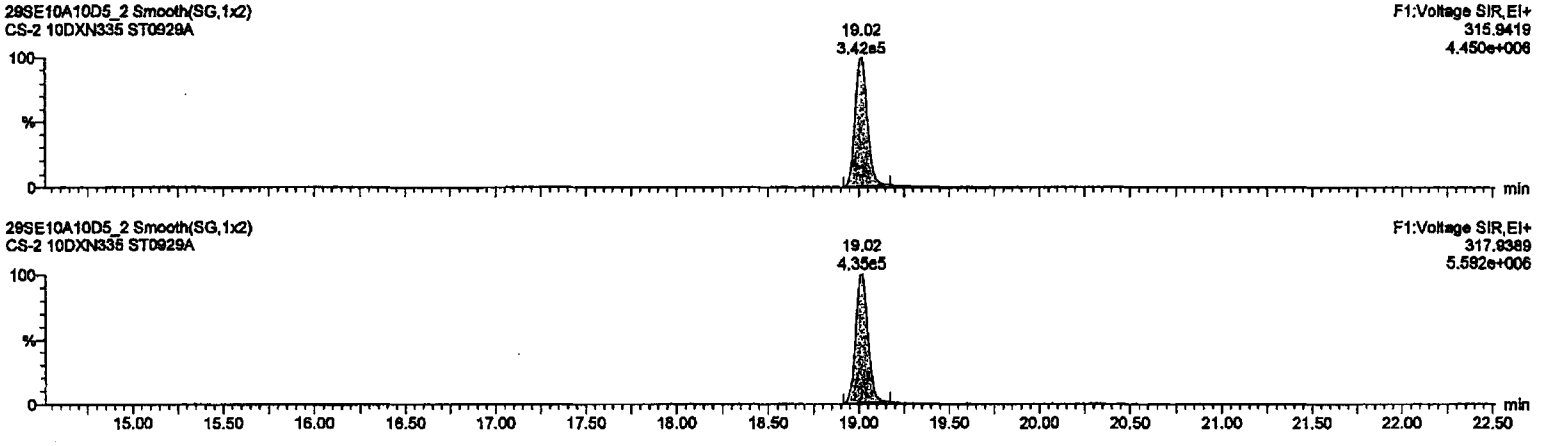
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

TCDFs



13C-TCDF



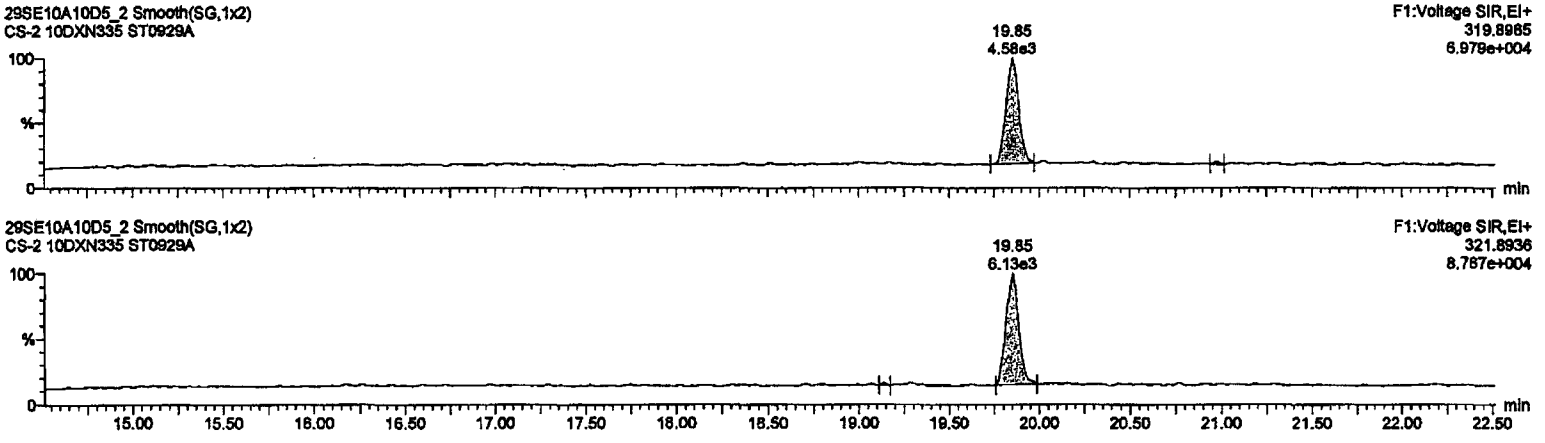
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

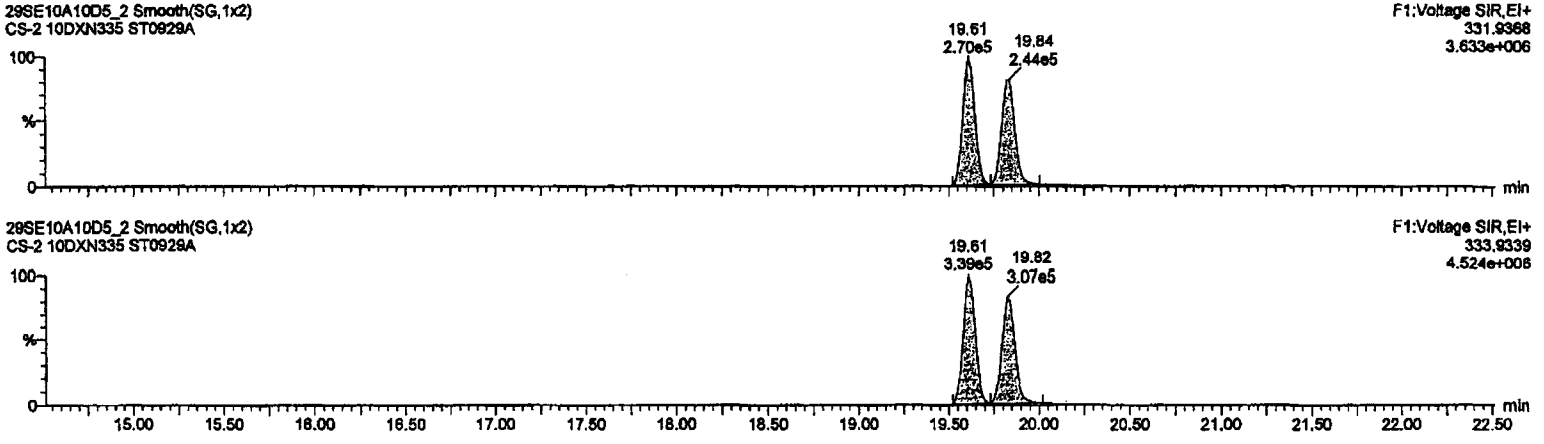
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

TCDDs



13C-TCDDs



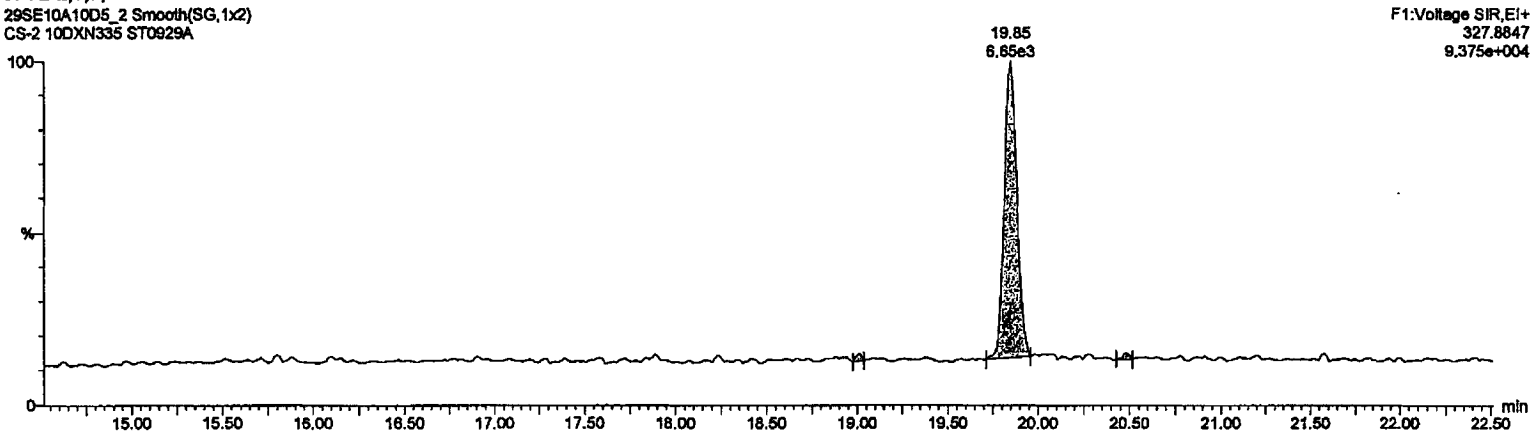
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

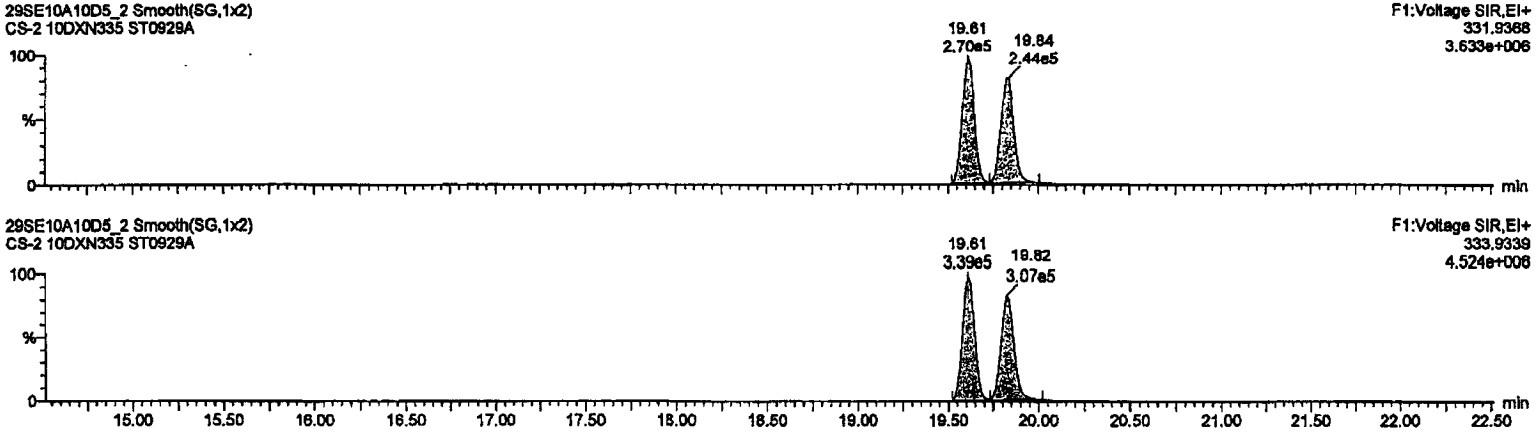
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

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



13C-TCDDs



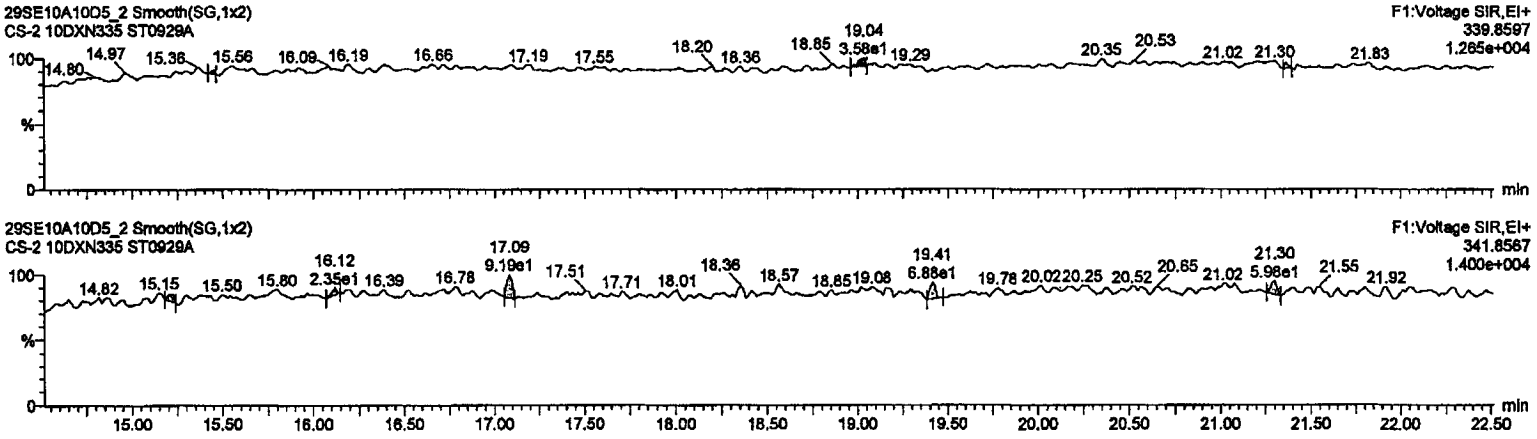
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

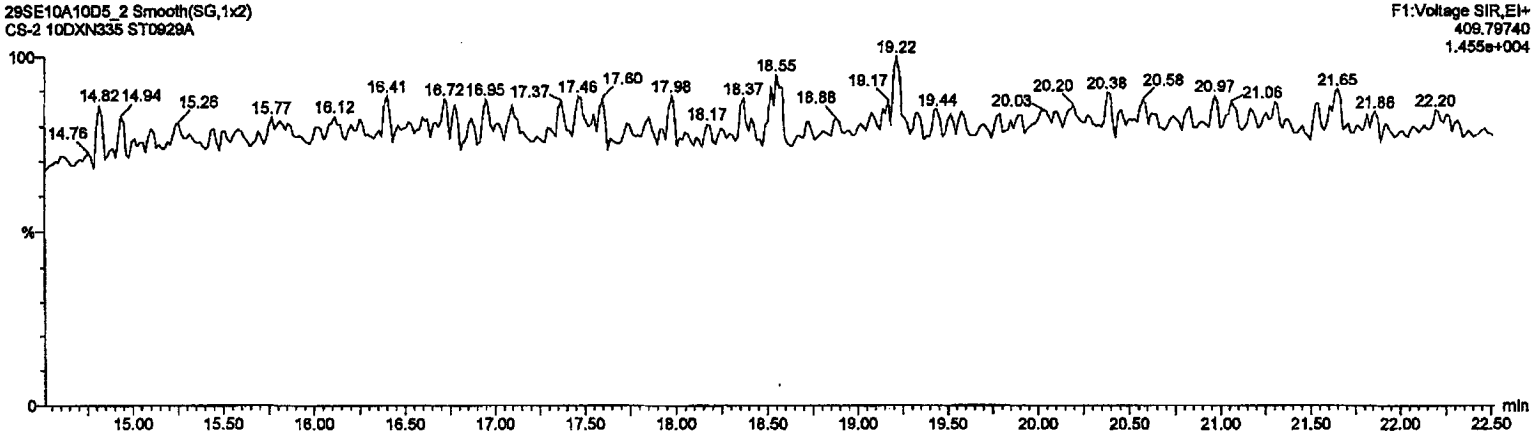
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

F1 PeCDFs



F1 PeCDF PCDPE



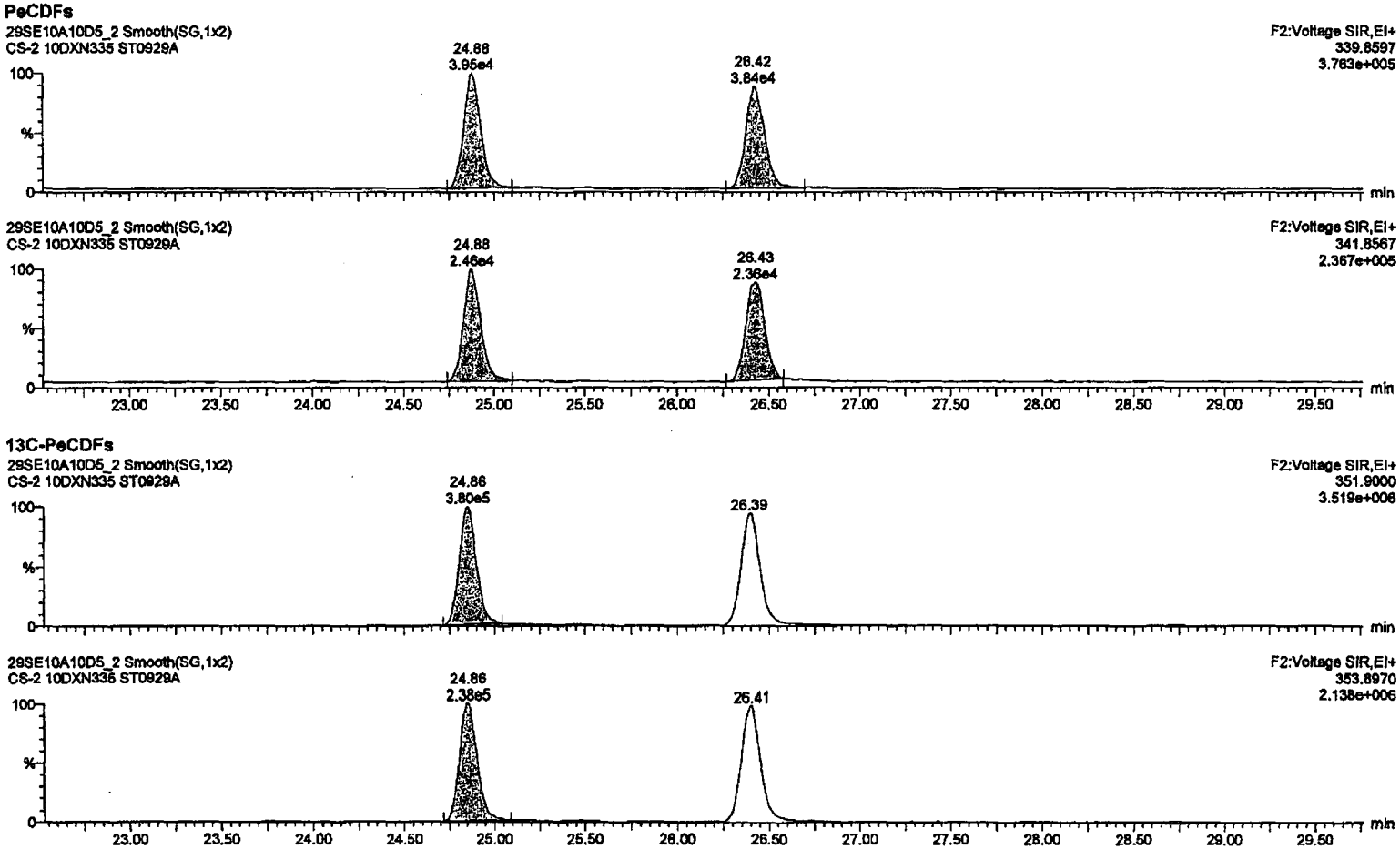
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

PeCDFs



13C-PeCDFs

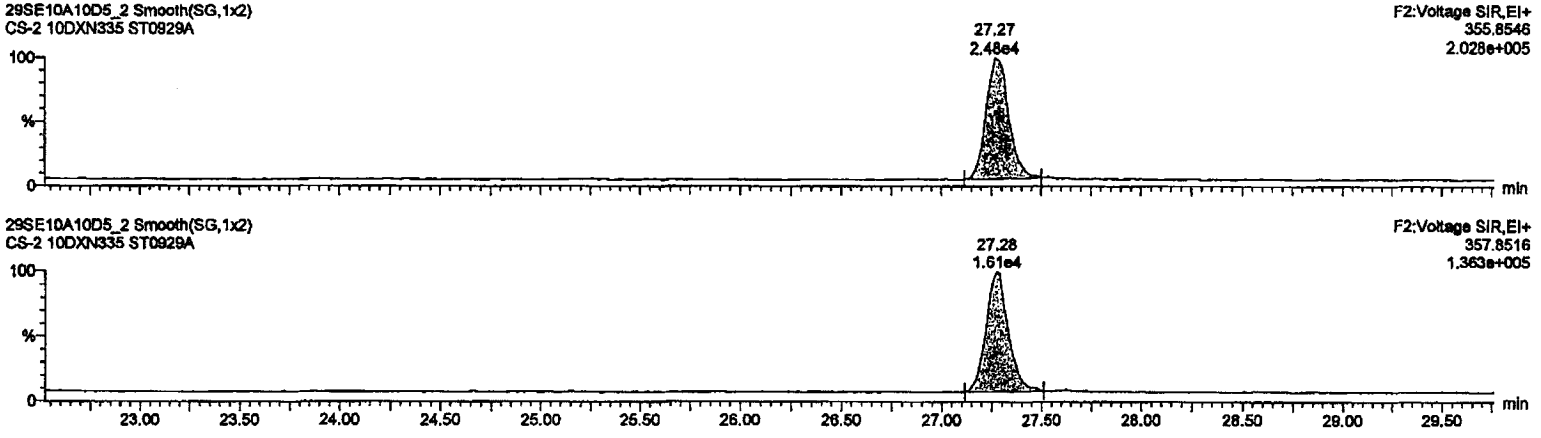
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

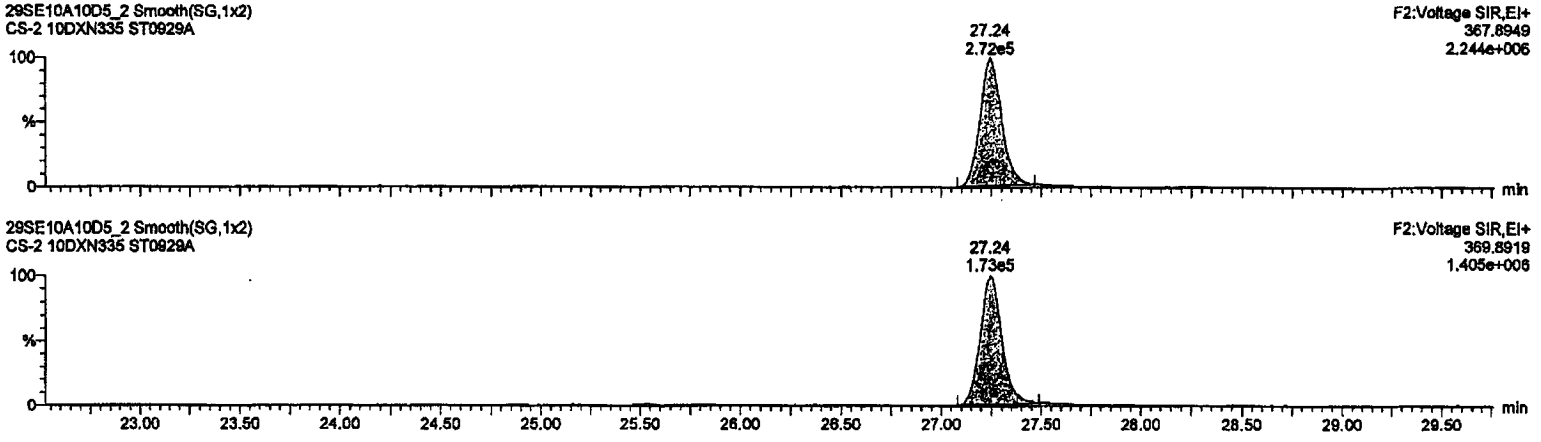
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

PeCDDs



13C-PeCDD



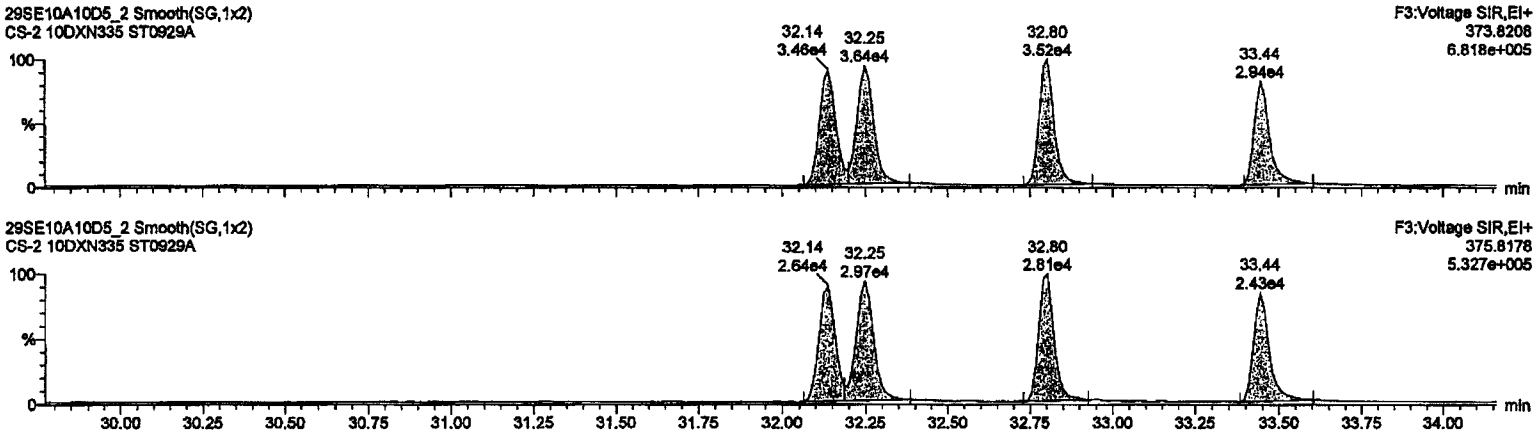
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

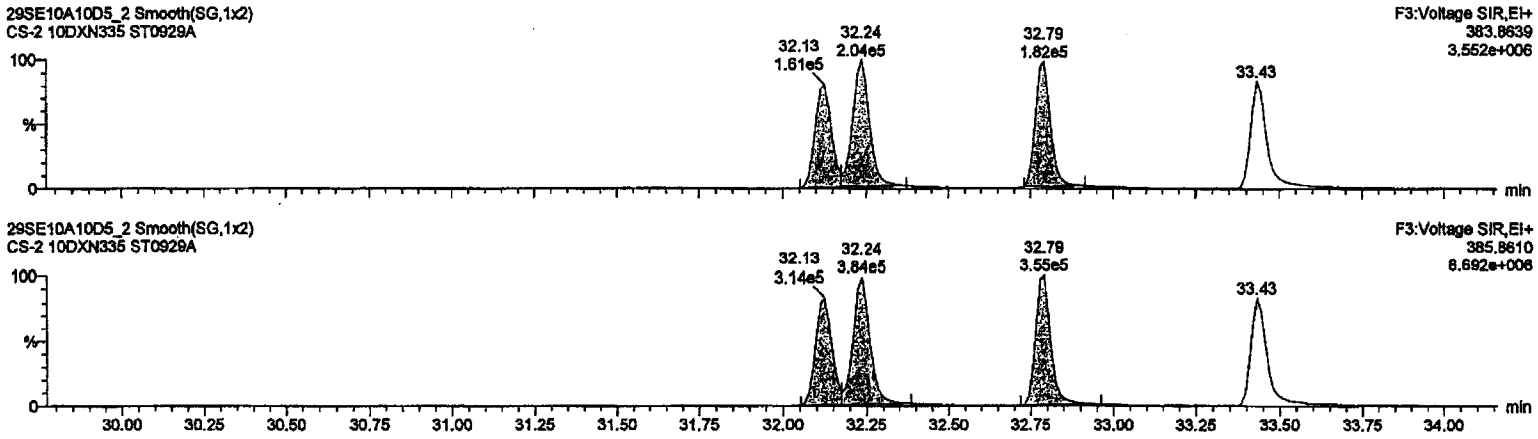
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

HxCDFs



13C-HxCDFs



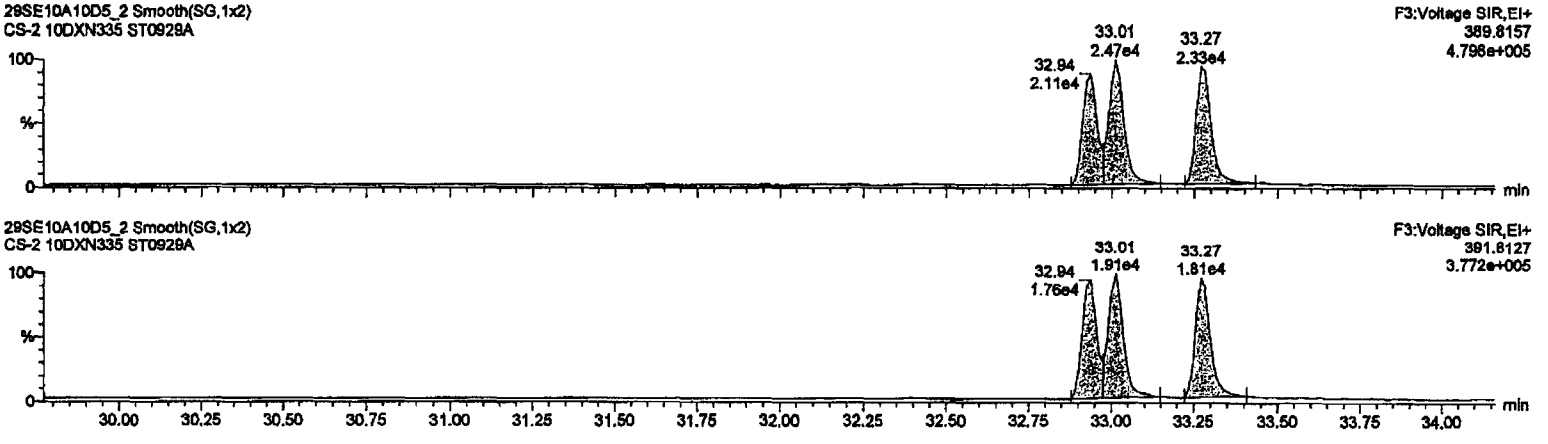
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

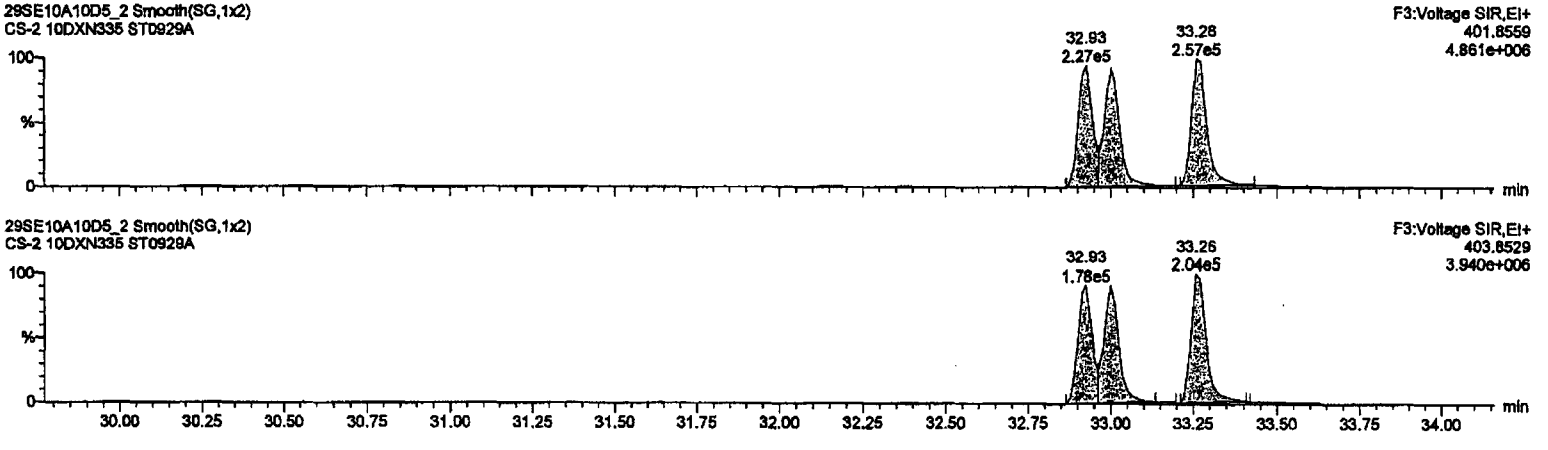
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

HxCDDs



13C-1,2,3,6,7,8-HxCDD



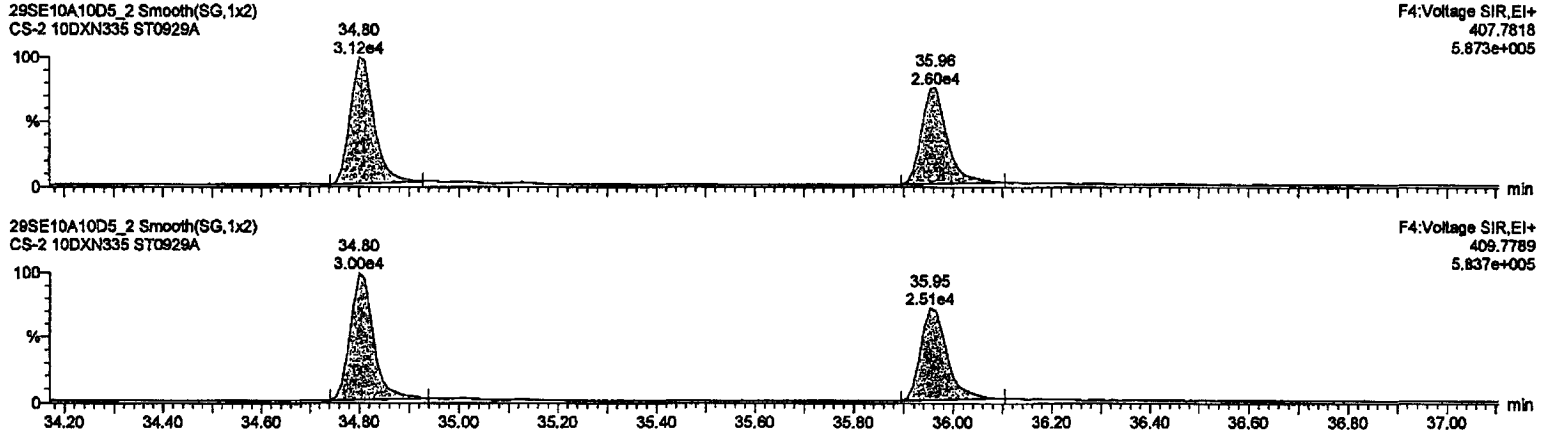
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

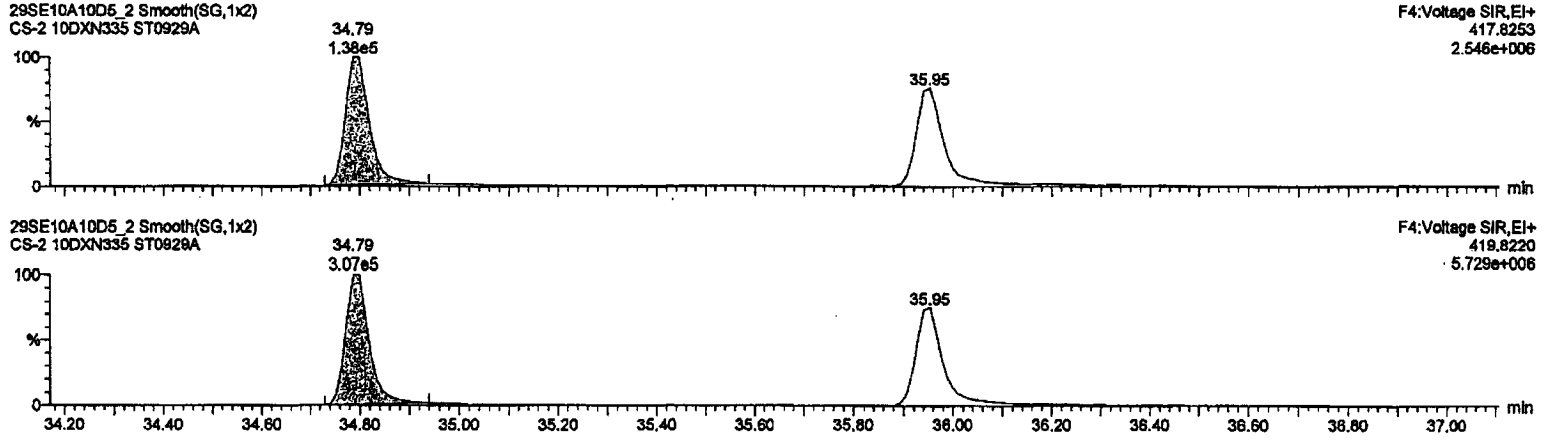
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

HpCDFs



13C-HpCDFs



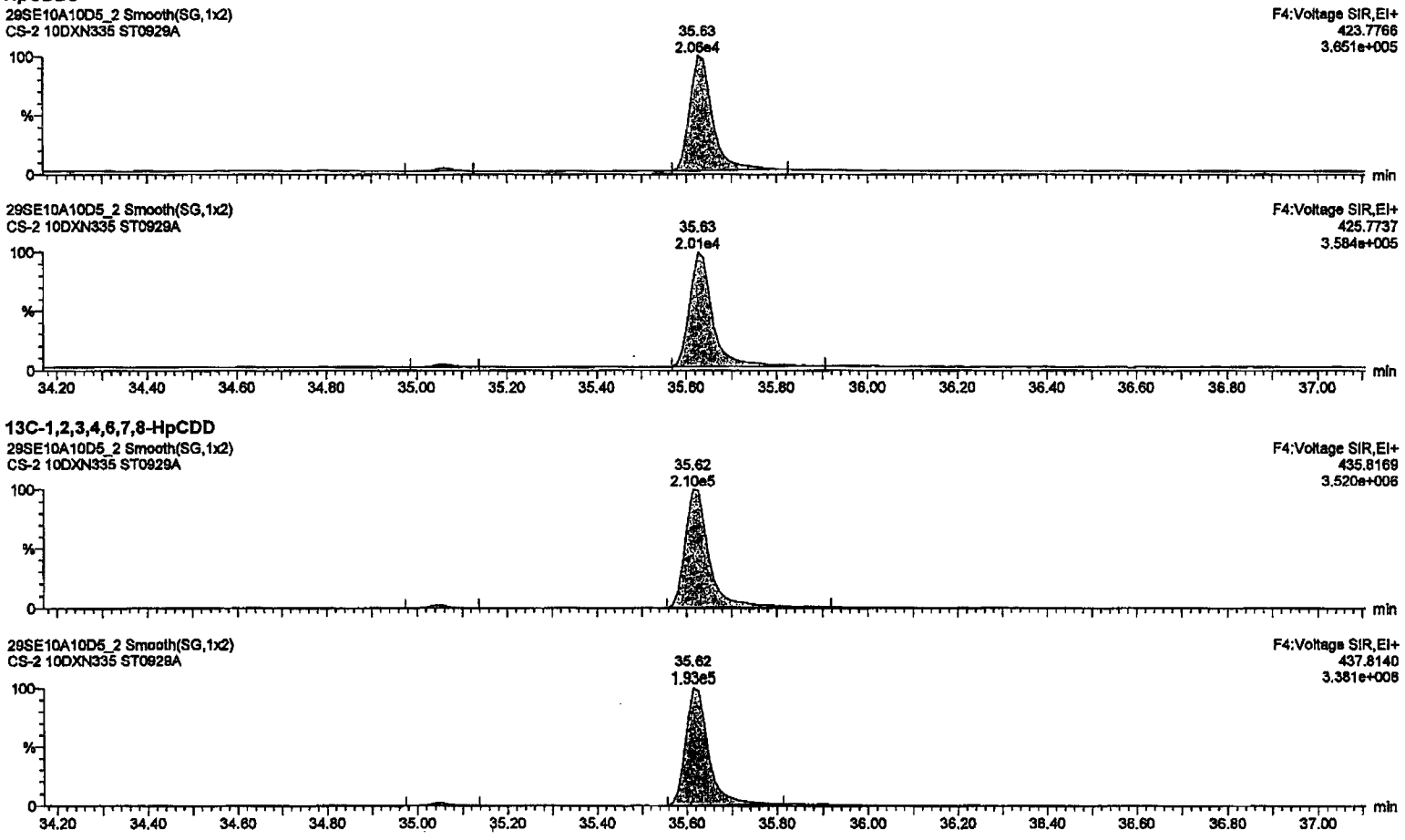
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD

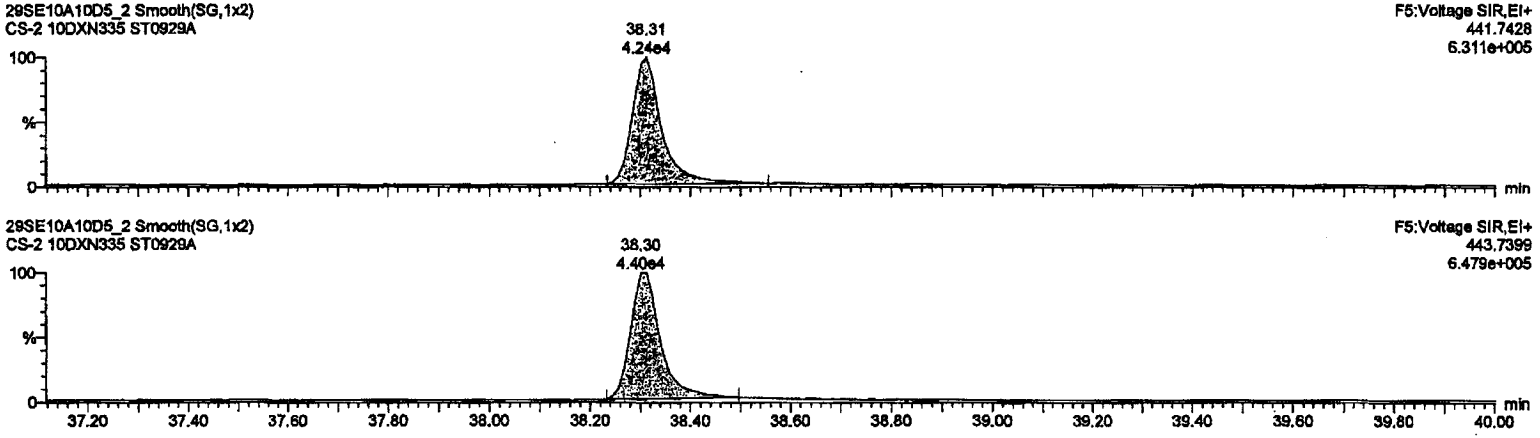
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

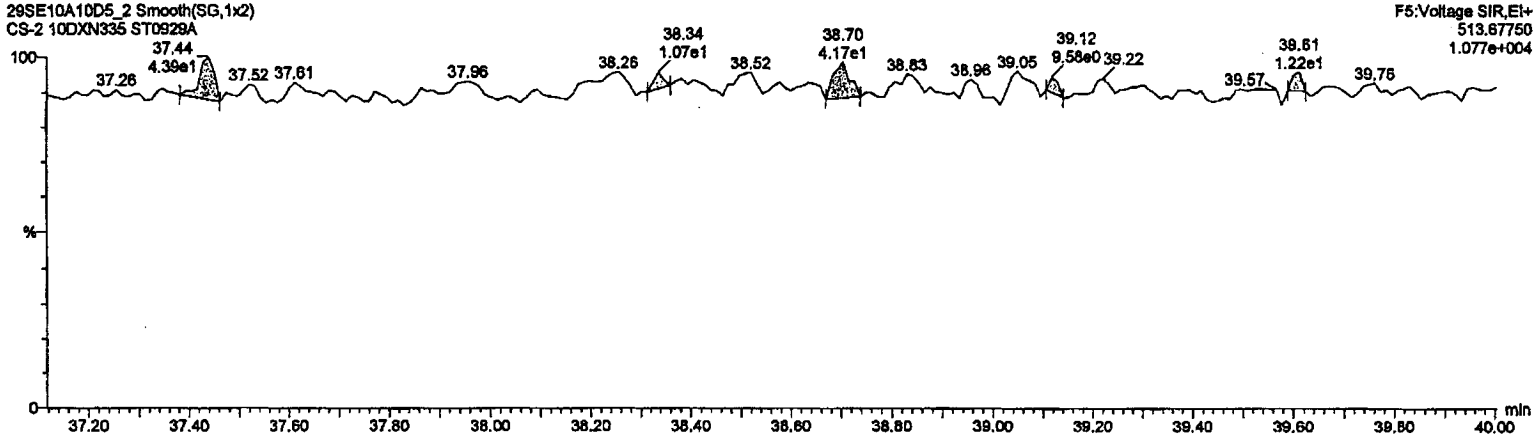
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

OCDFs



OCDF PCDPE



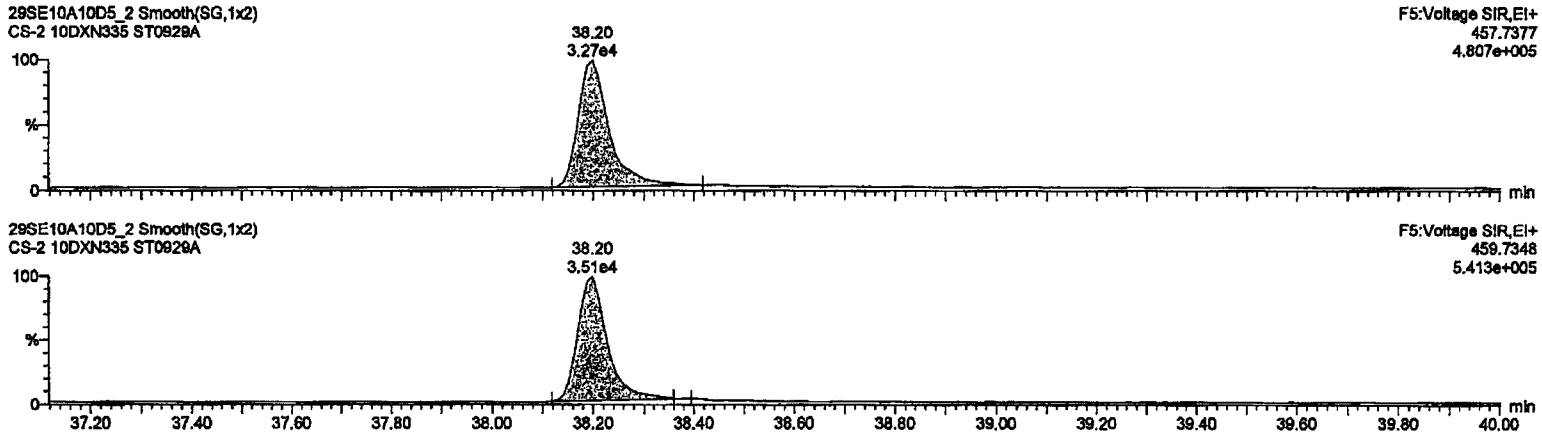
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

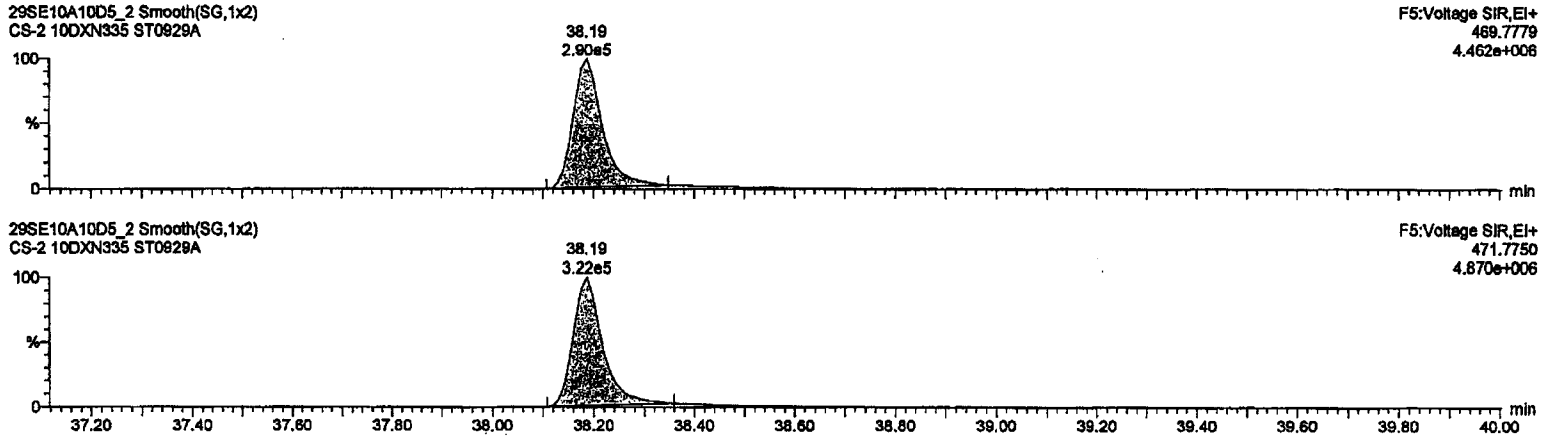
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

OCDD



13C-OCDD



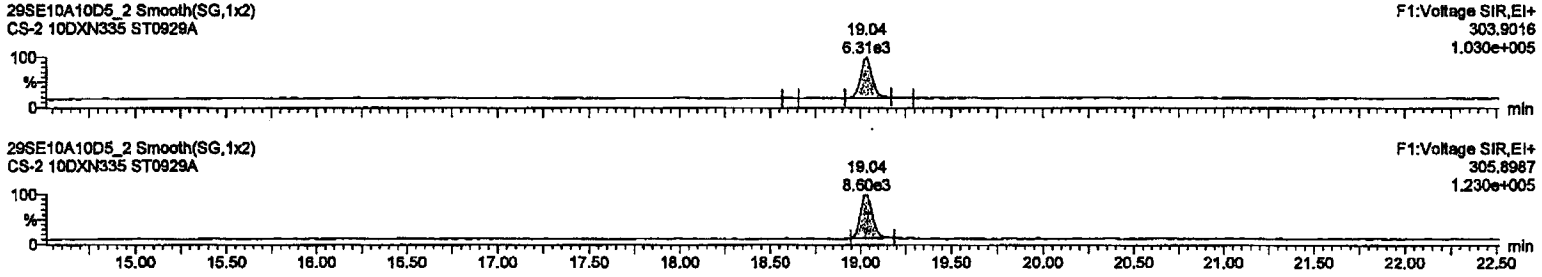
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

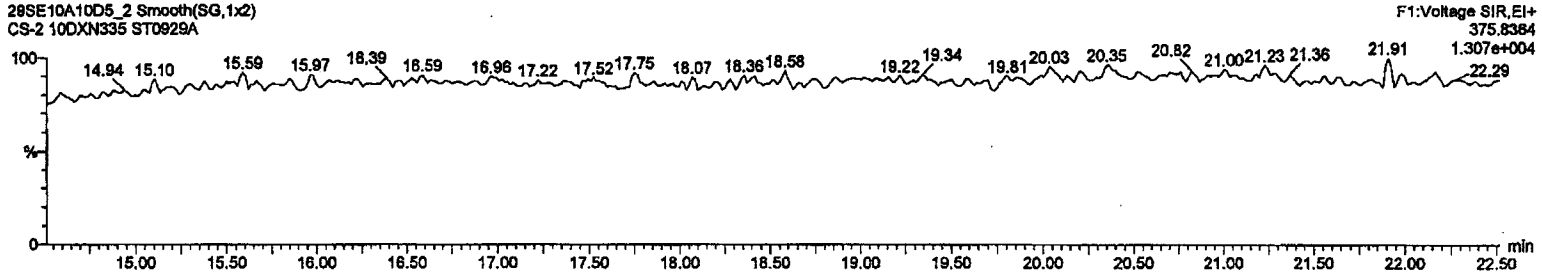
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

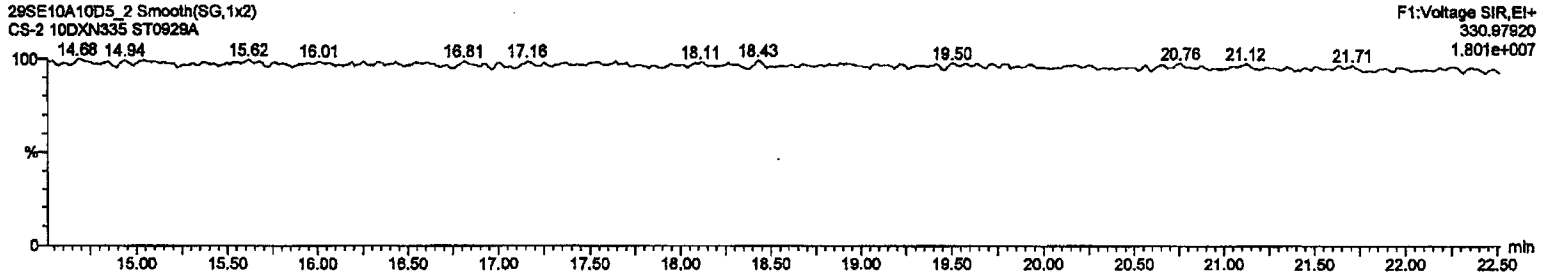
TCDFs



TCDF PCDPE



Function 1 PFK



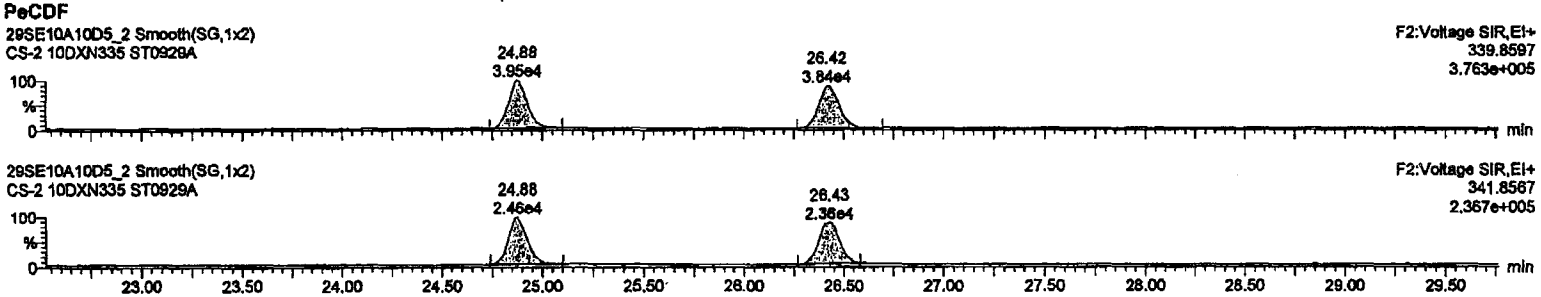
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

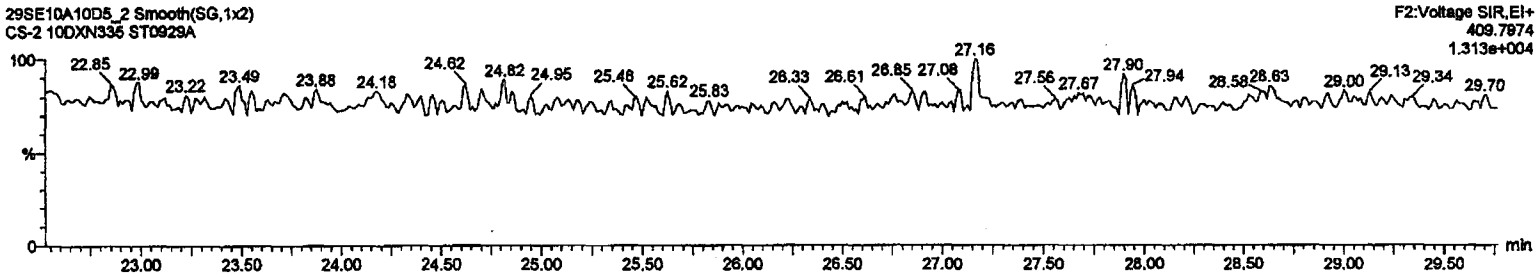
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

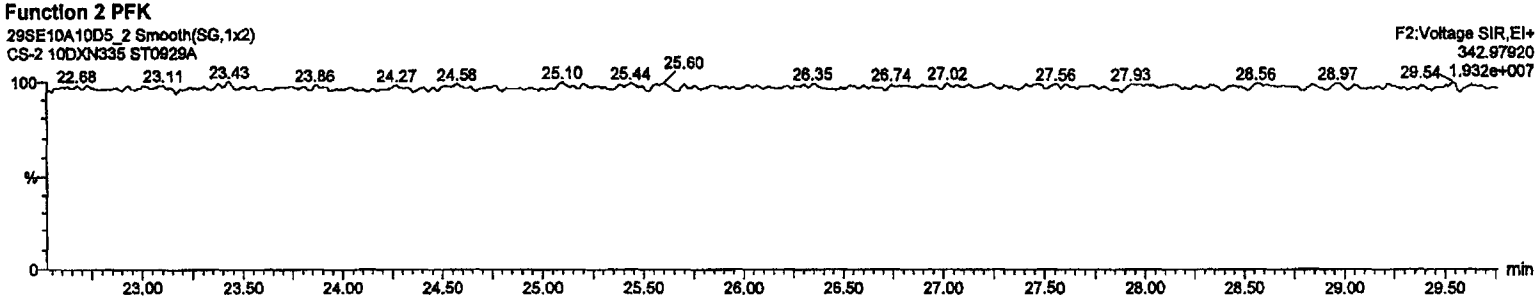
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



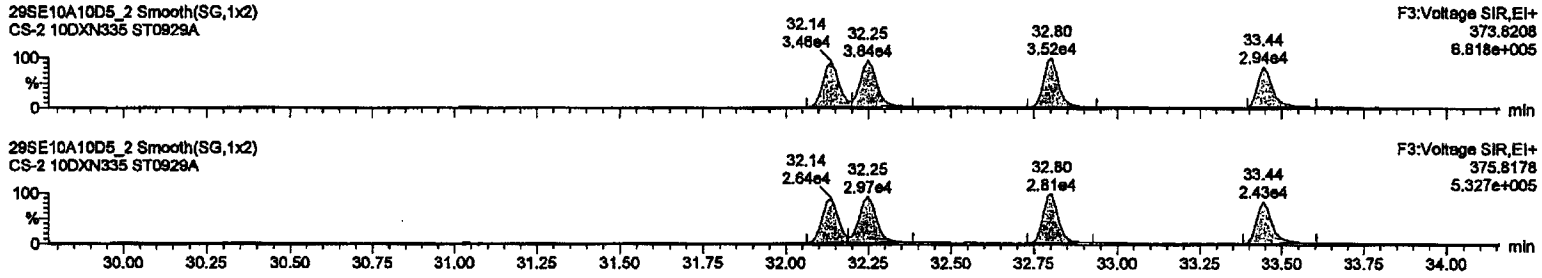
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

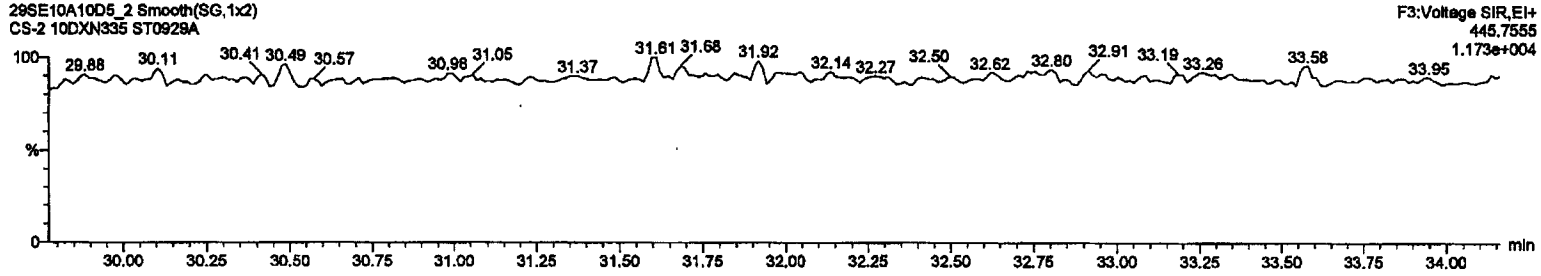
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

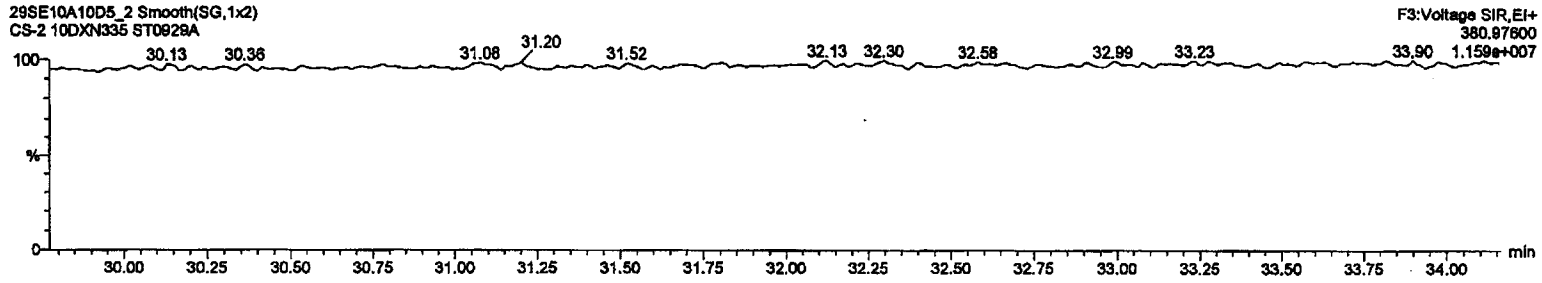
HxCDFs



HxCDF PCDPE



Function 3 PFK



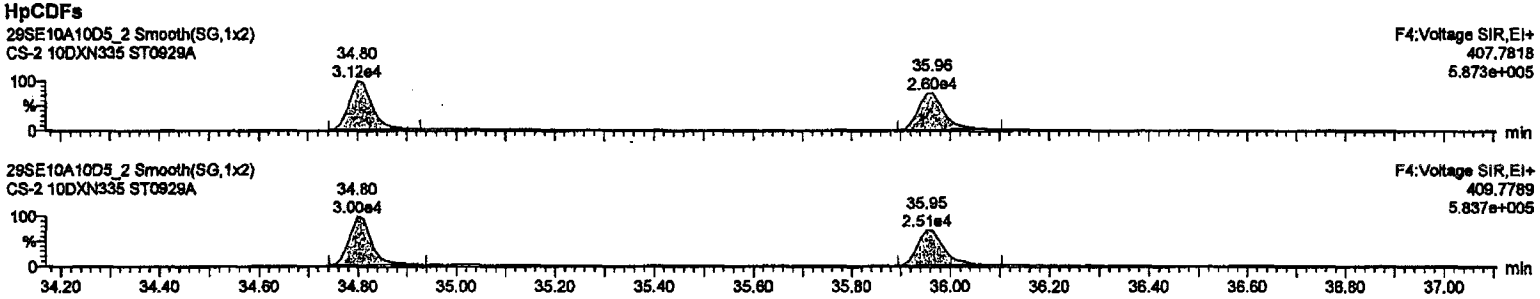
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

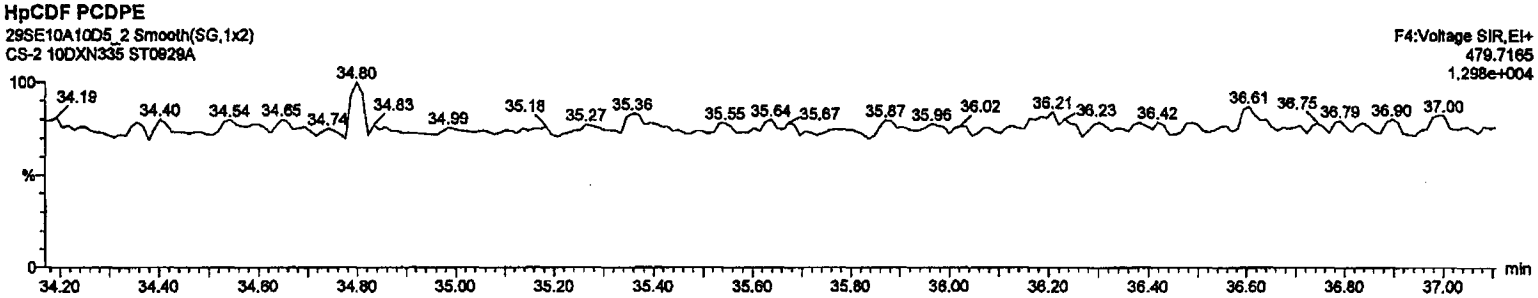
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

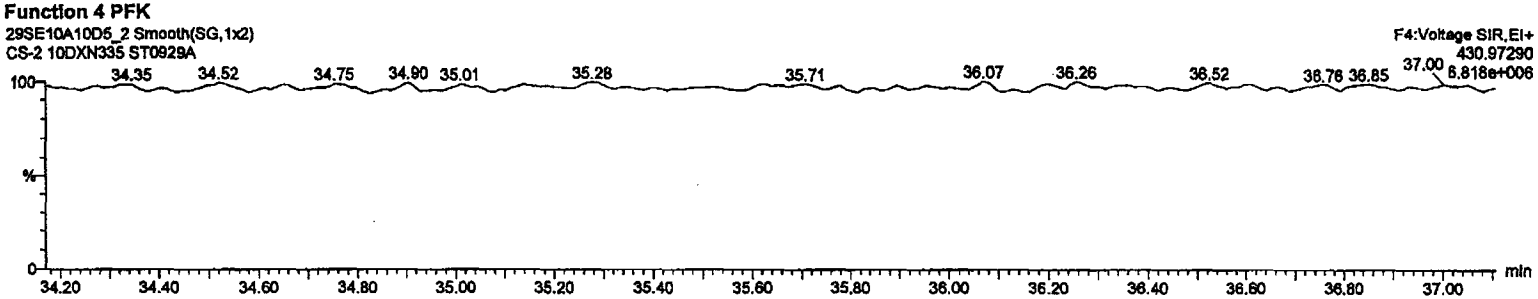
HpCDFs



HpCDF PCDPE



Function 4 PFK



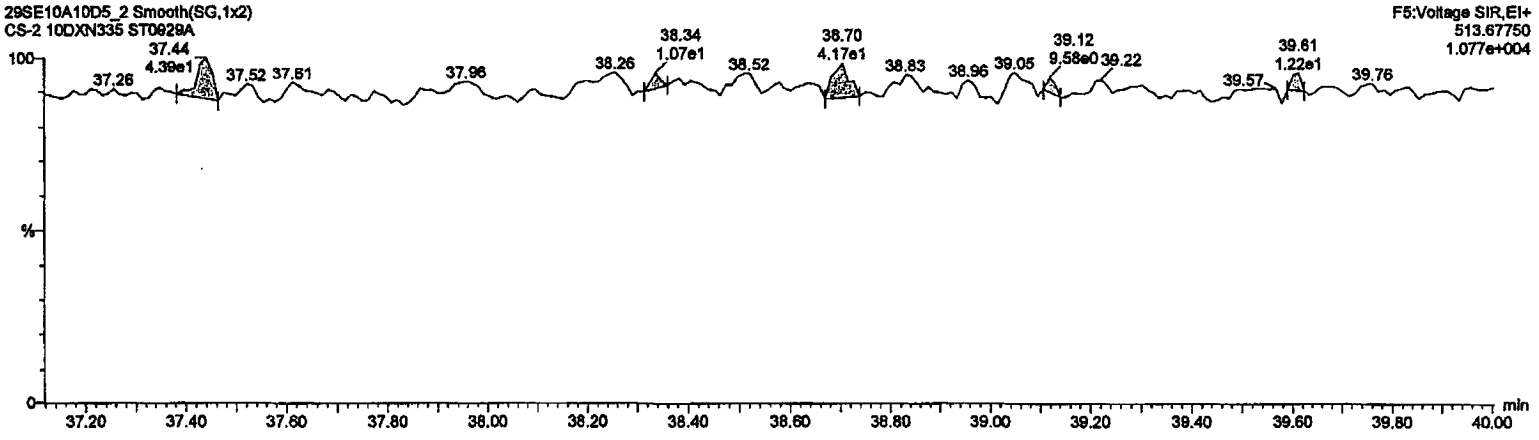
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

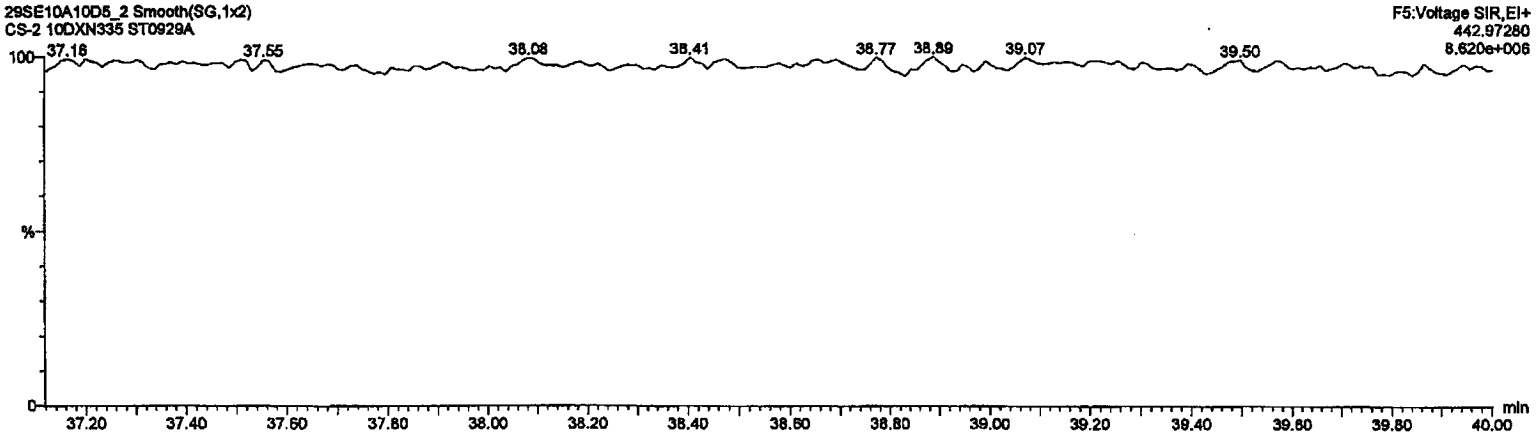
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_2, Date: 29-Sep-2010, Time: 19:33:58, ID: ST0929A, Description: CS-2 10DXN335

OCDF PCDPE



Function 5 PFK



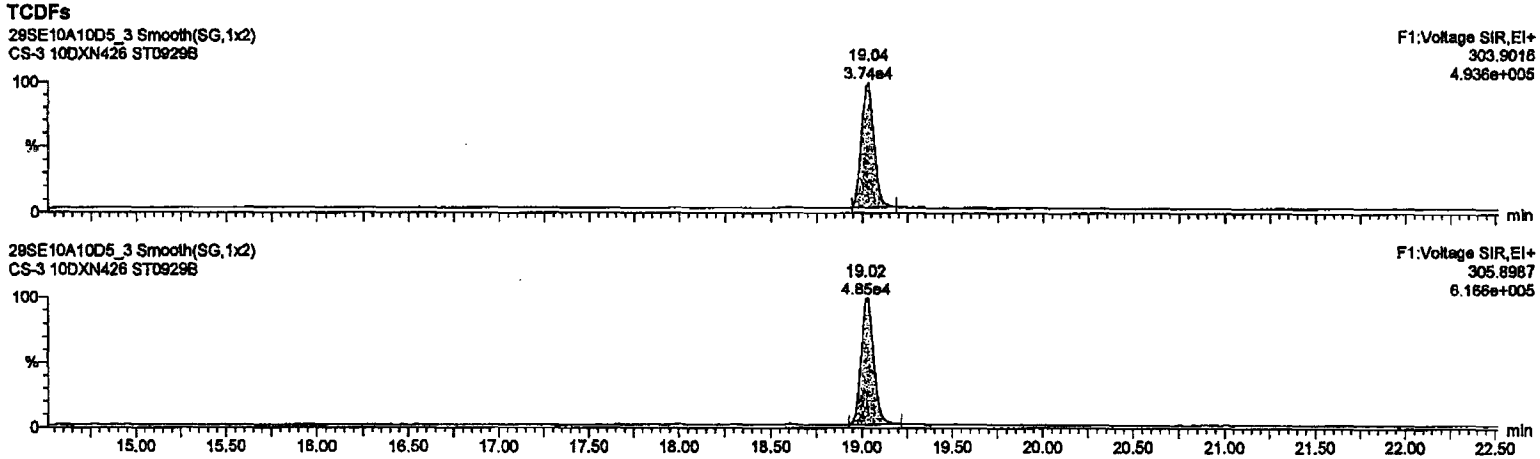
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

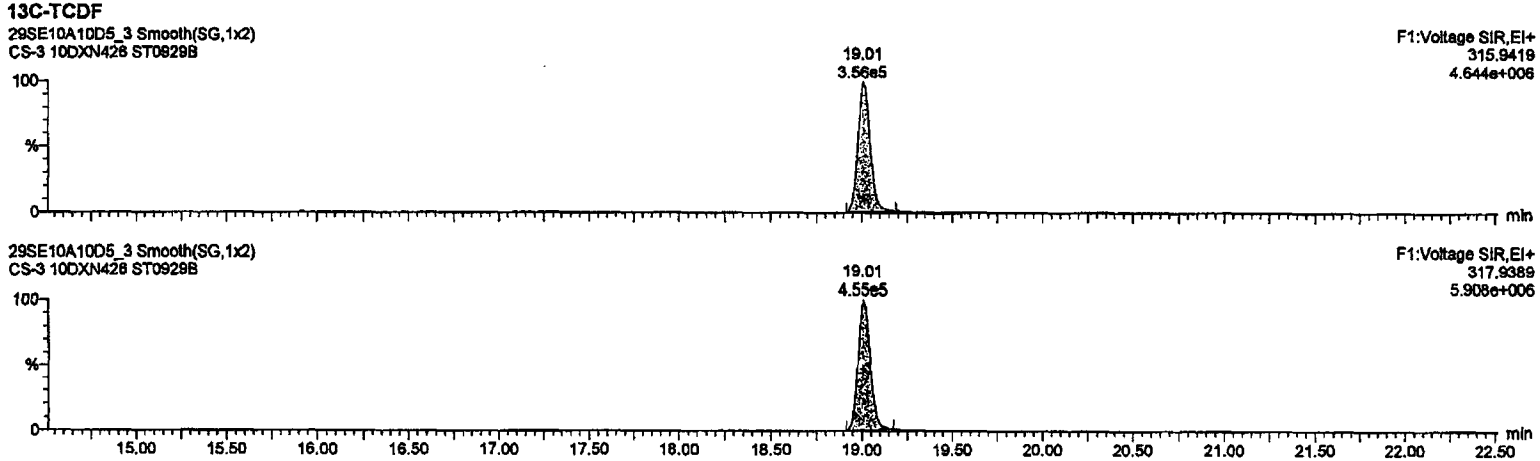
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

TCDFs



13C-TCDF



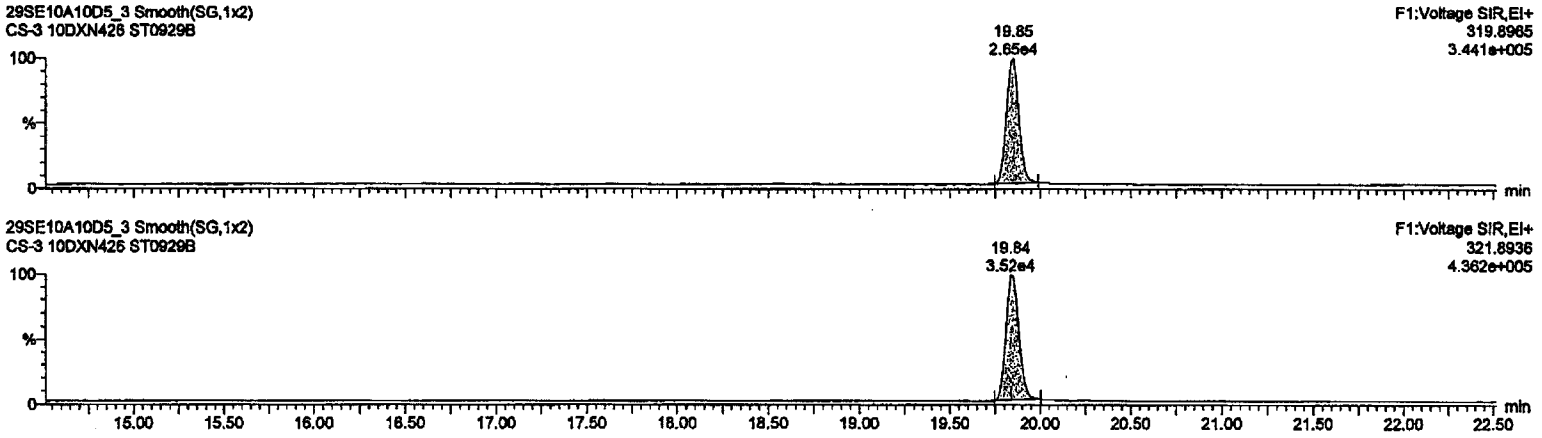
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

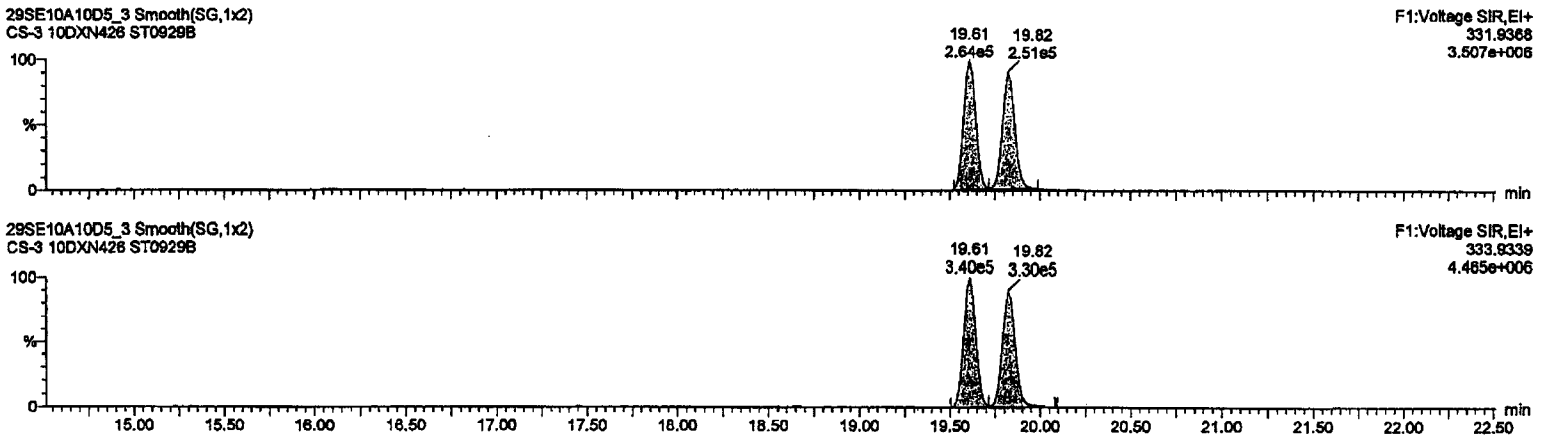
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

TCDDs



13C-TCDDs



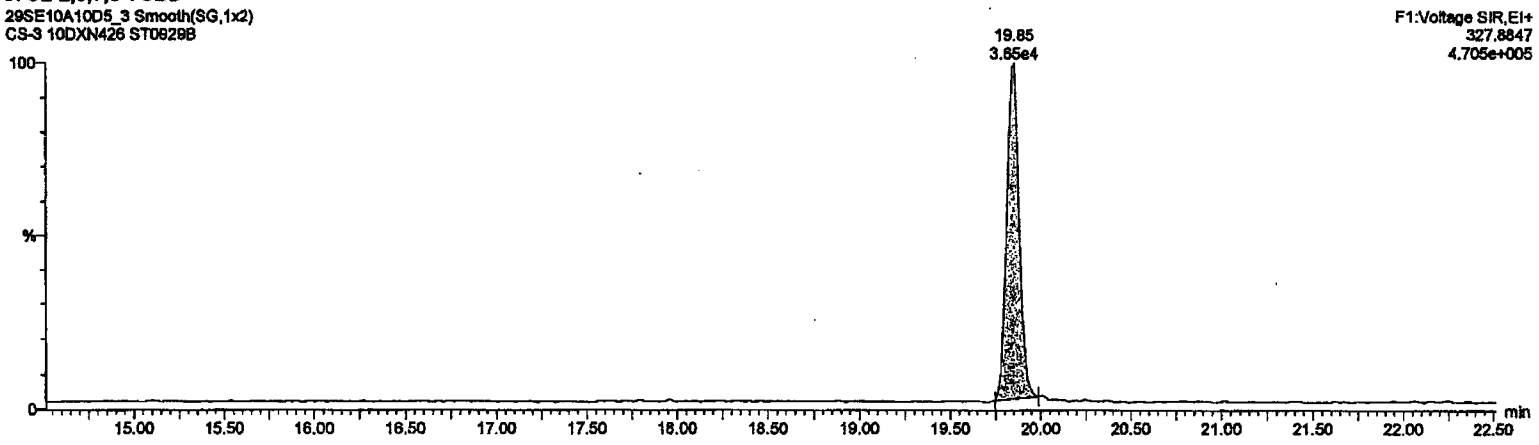
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

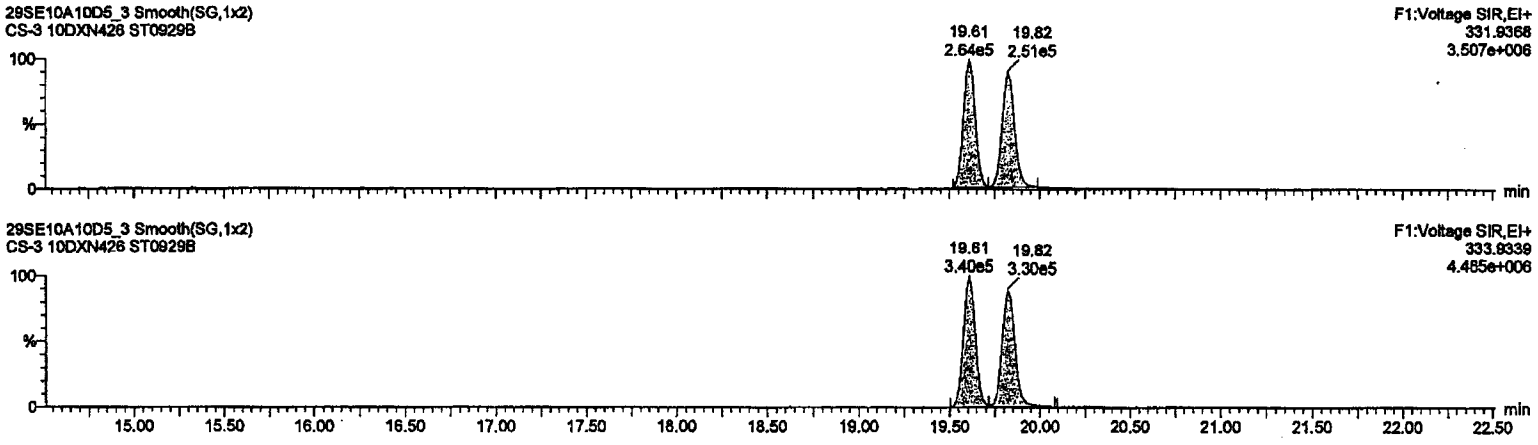
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

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



13C-TCDDs



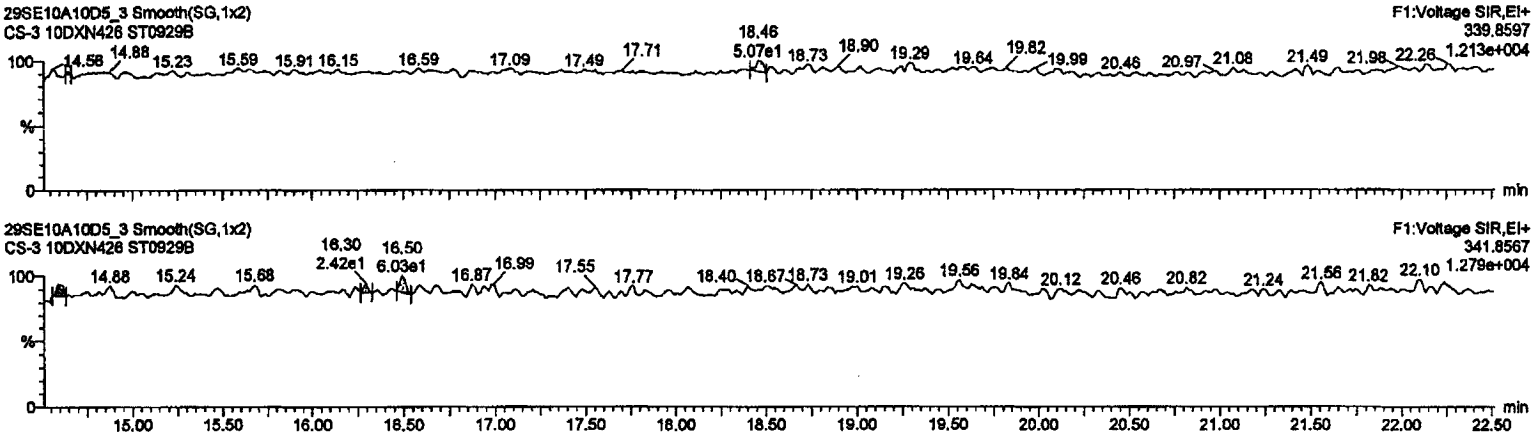
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

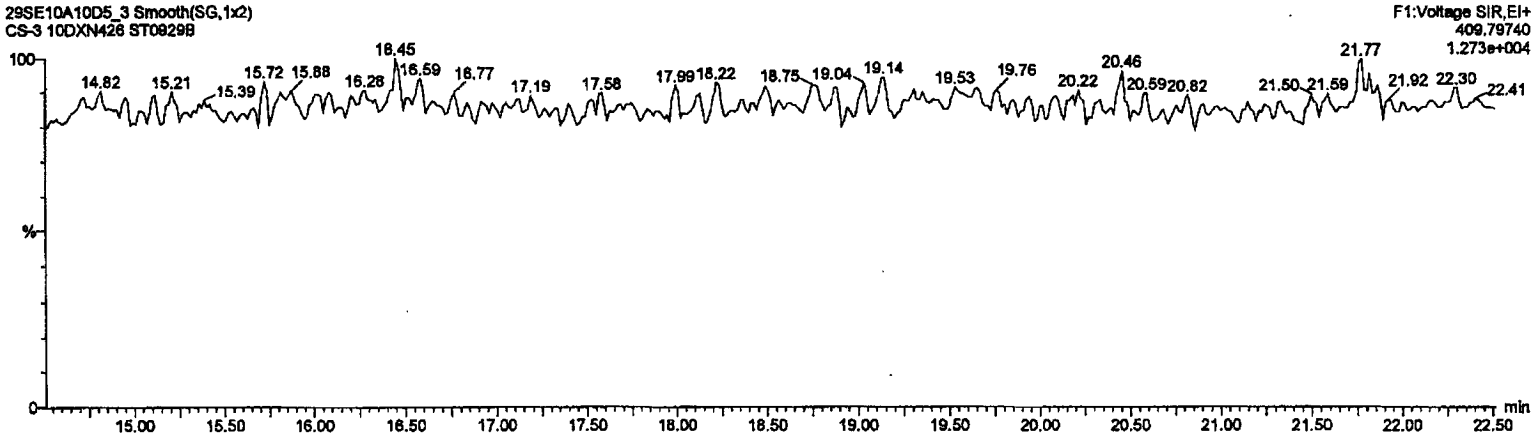
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

F1 PeCDFs



F1 PeCDF PCDPE



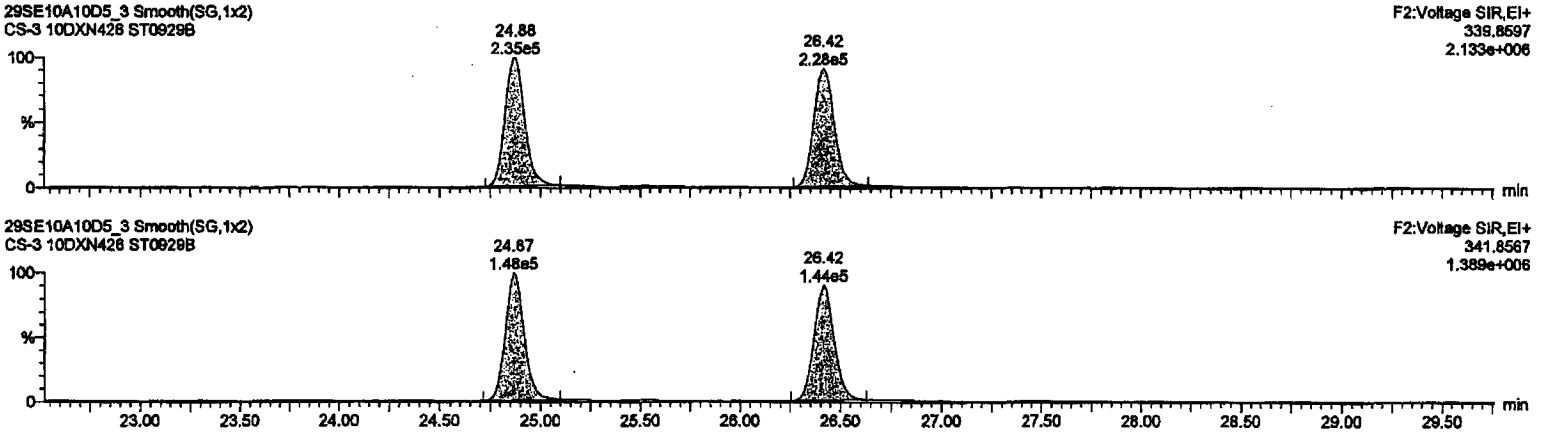
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

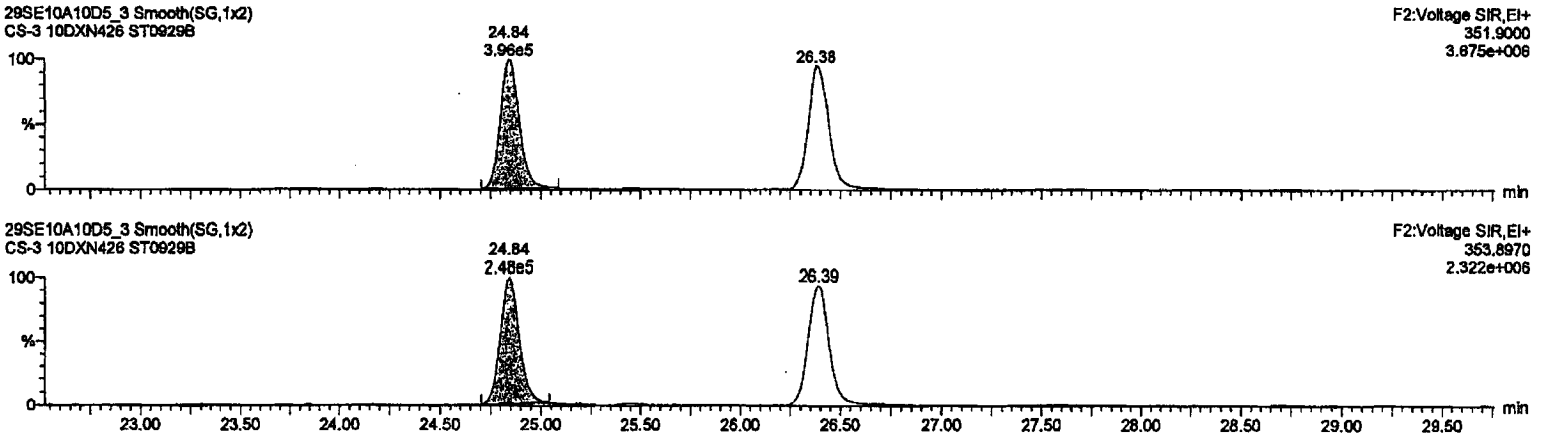
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

PeCDFs



13C-PeCDFs



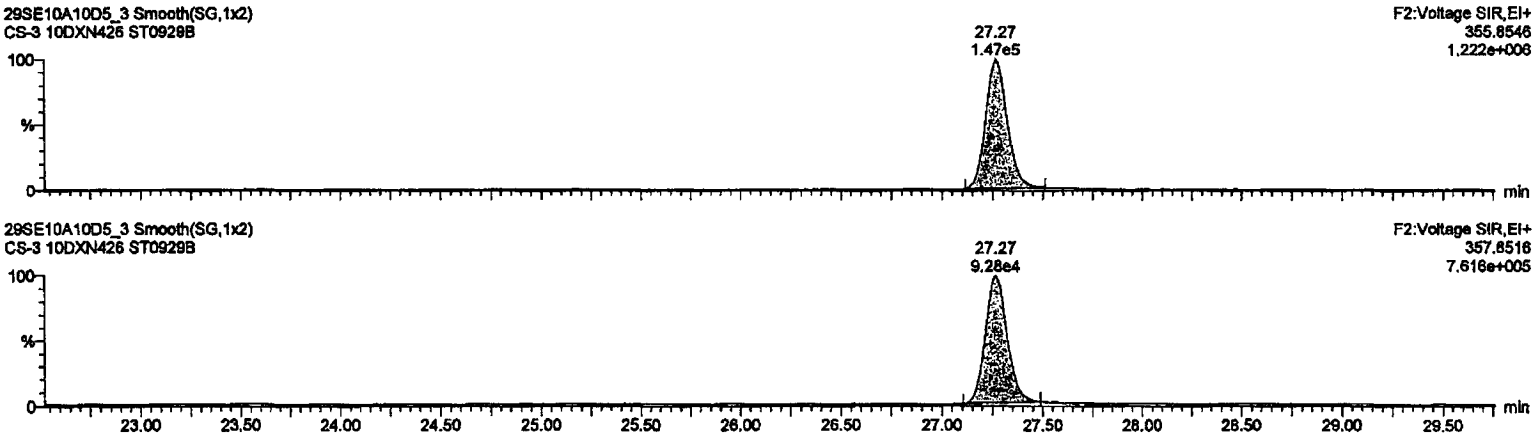
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

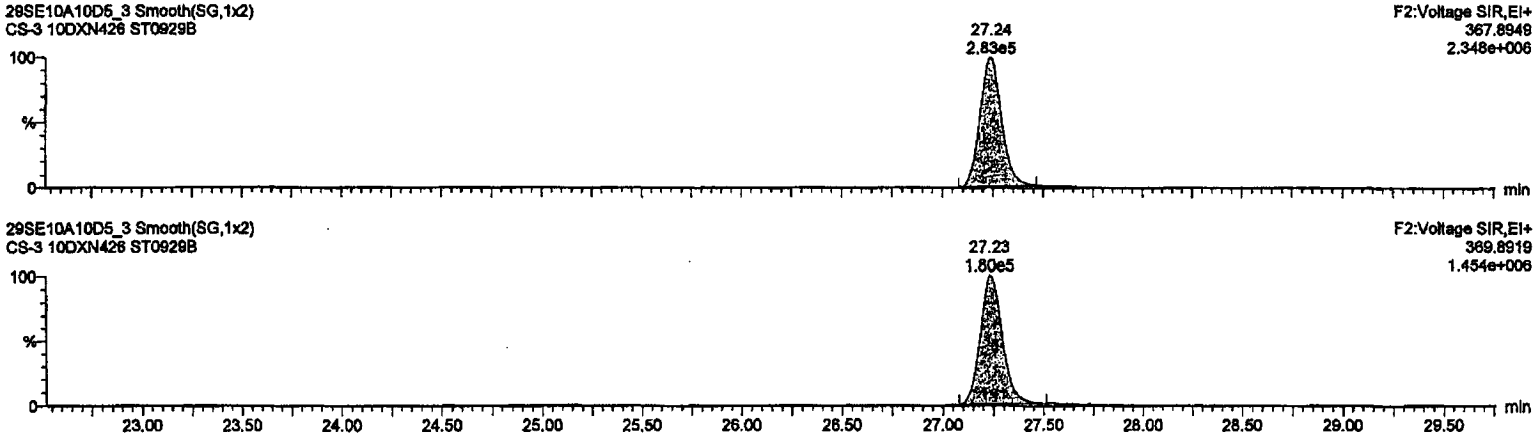
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

PeCDDs



13C-PeCDD



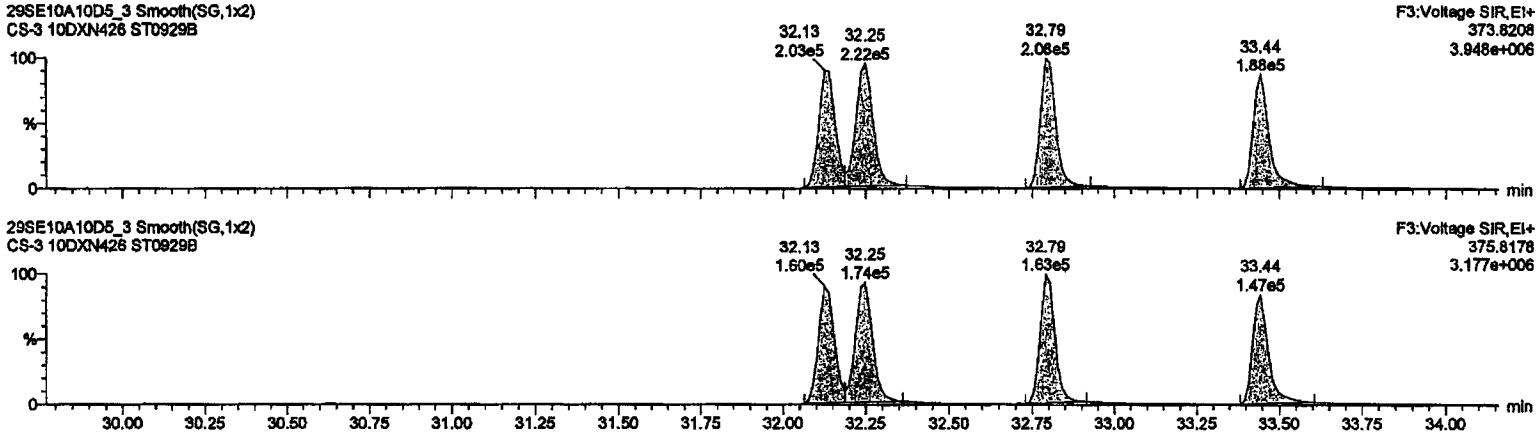
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

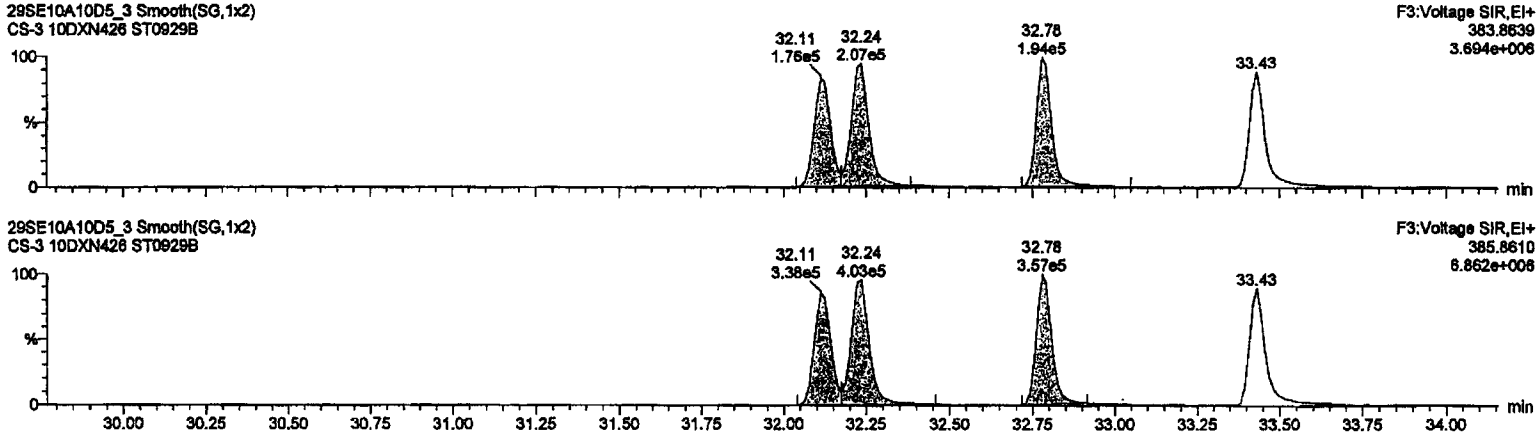
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

HxCDFs



13C-HxCDFs



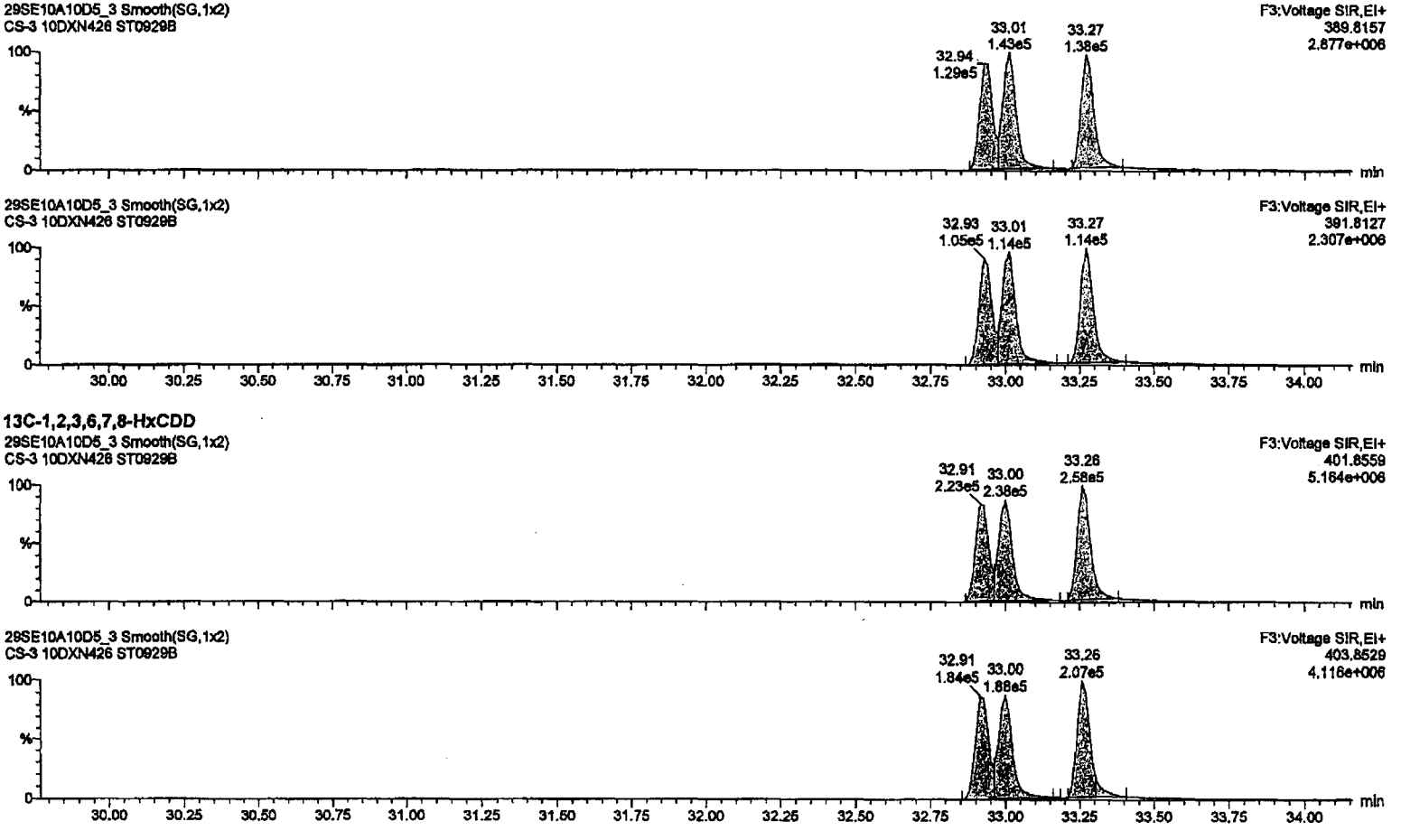
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

HxCDDs



13C-1,2,3,6,7,8-HxCDD

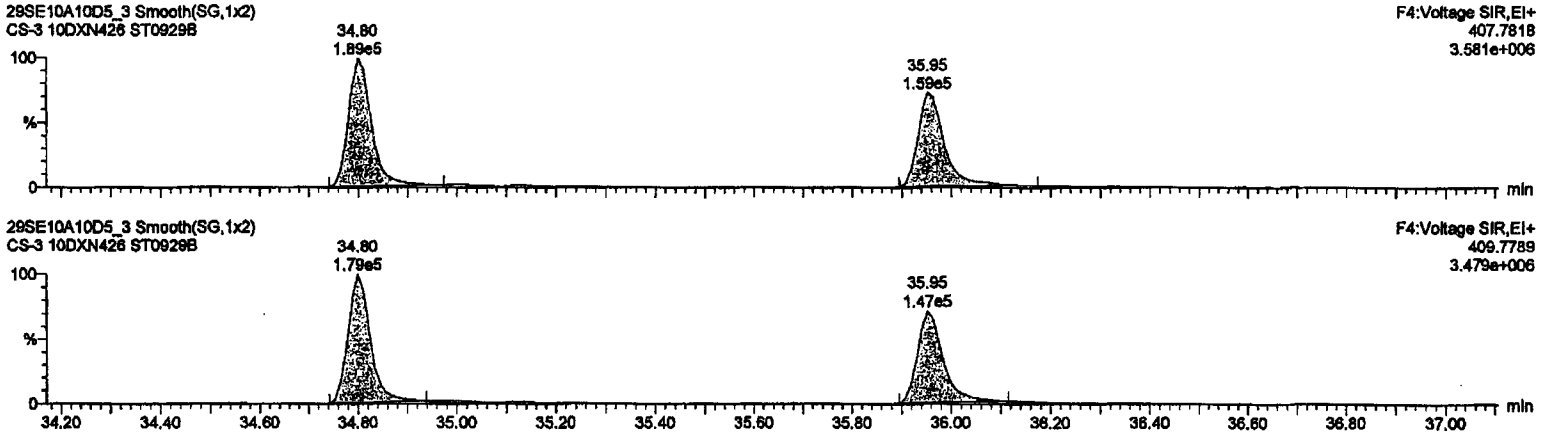
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

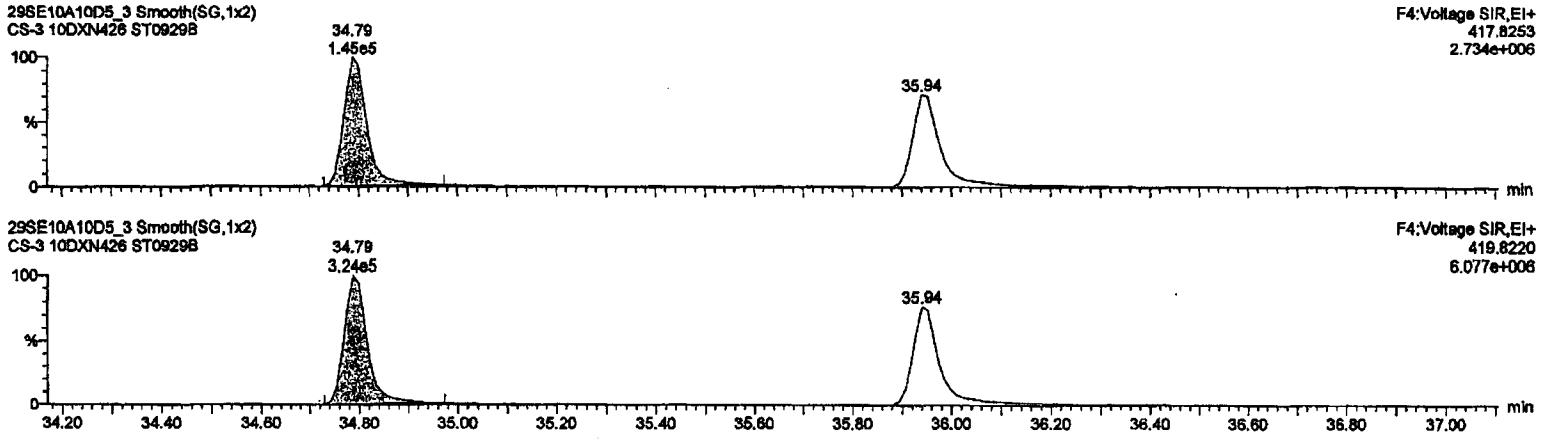
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

HpCDFs



13C-HpCDFs



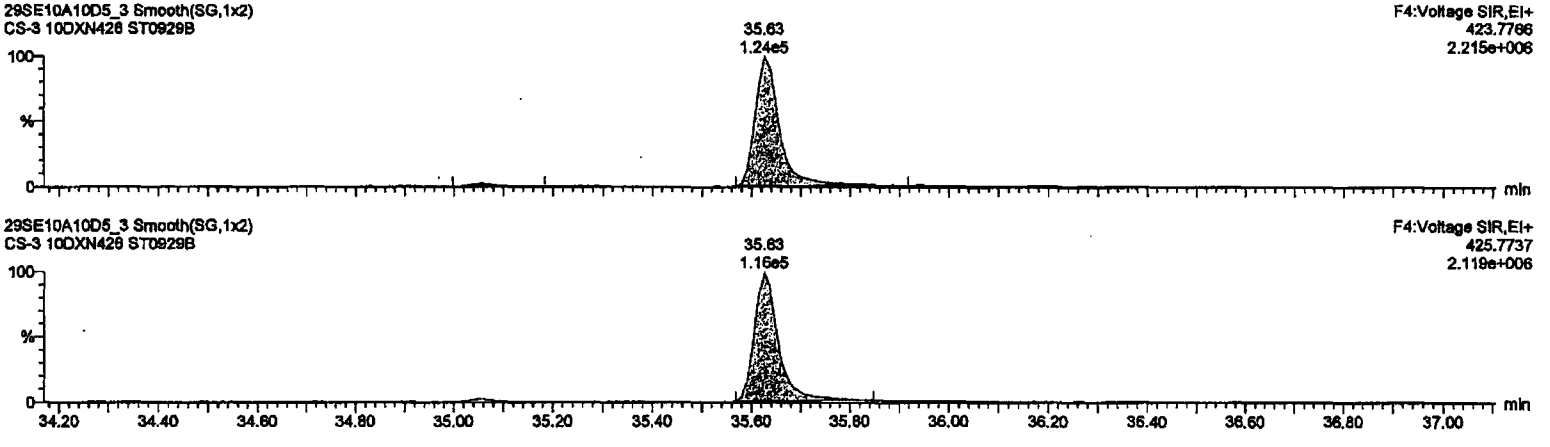
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

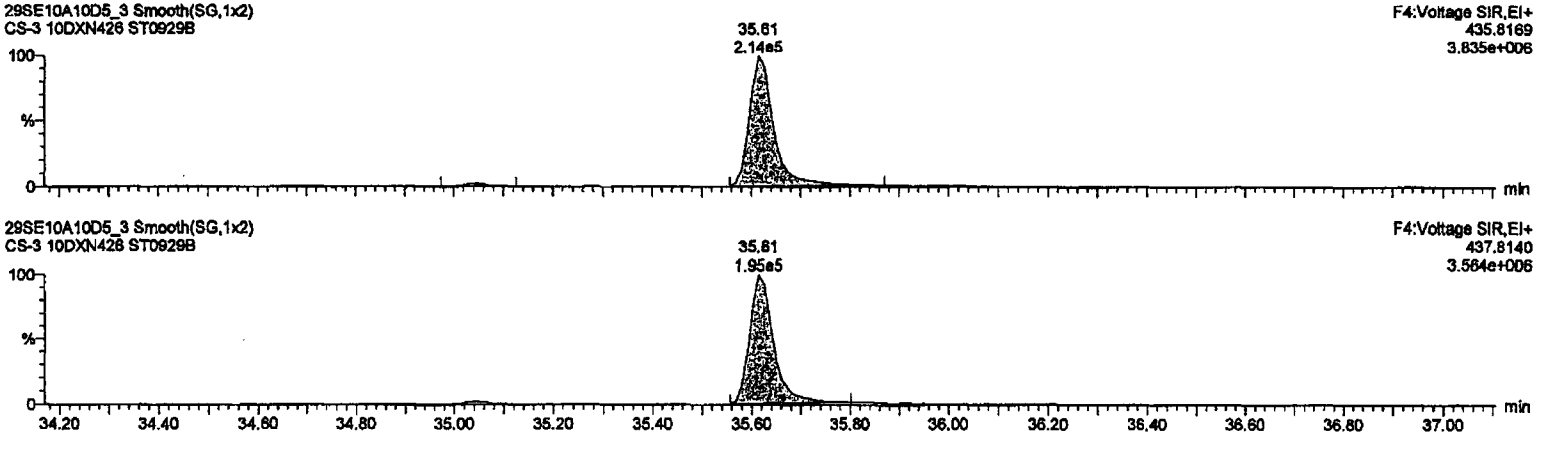
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



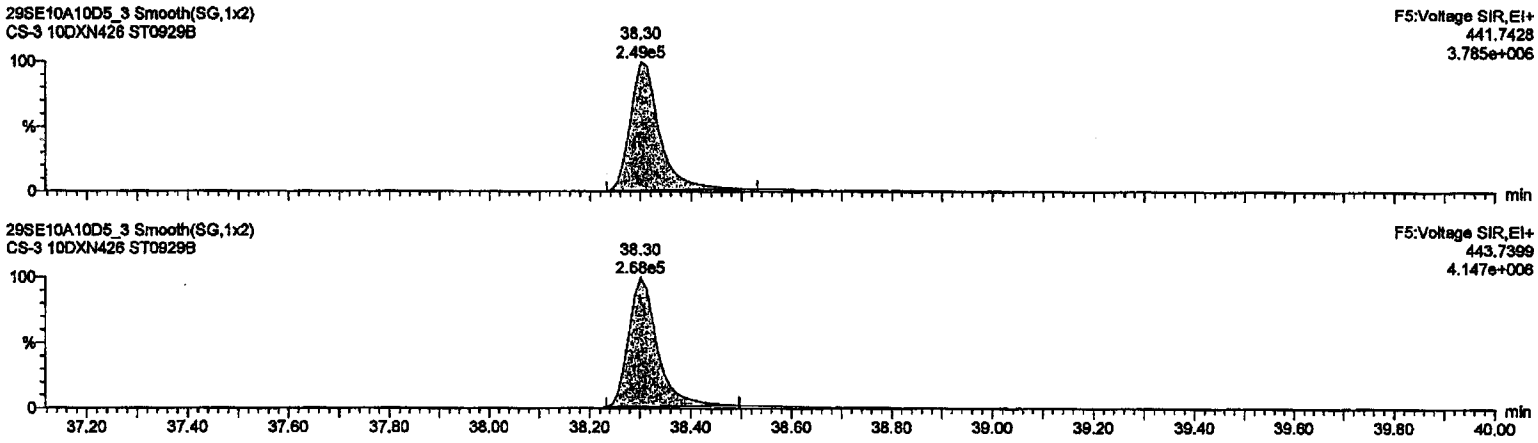
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

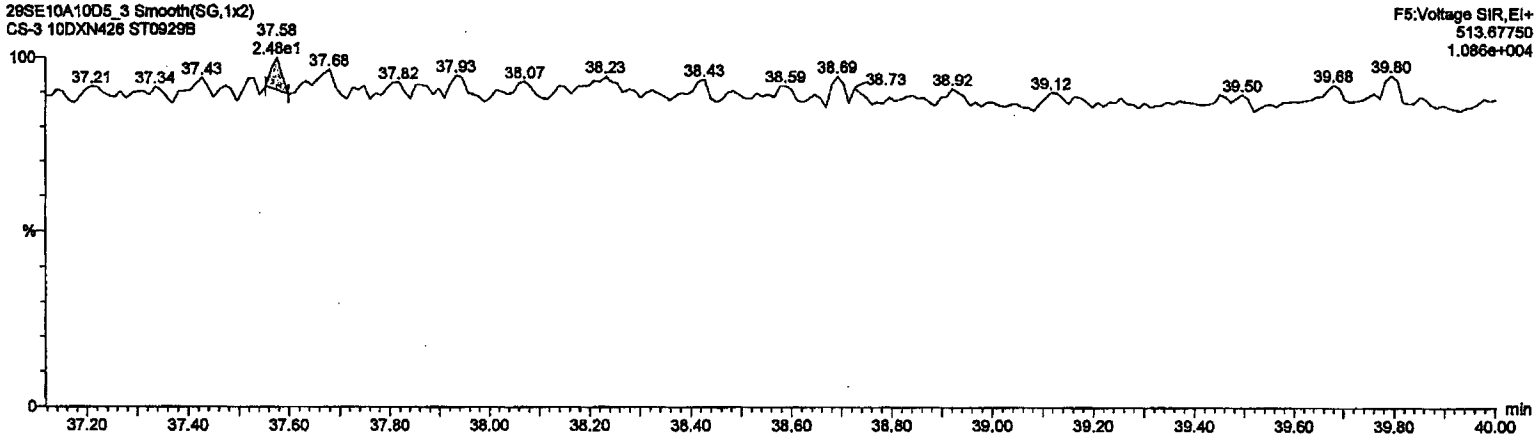
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

OCDFs



OCDF PCDPE



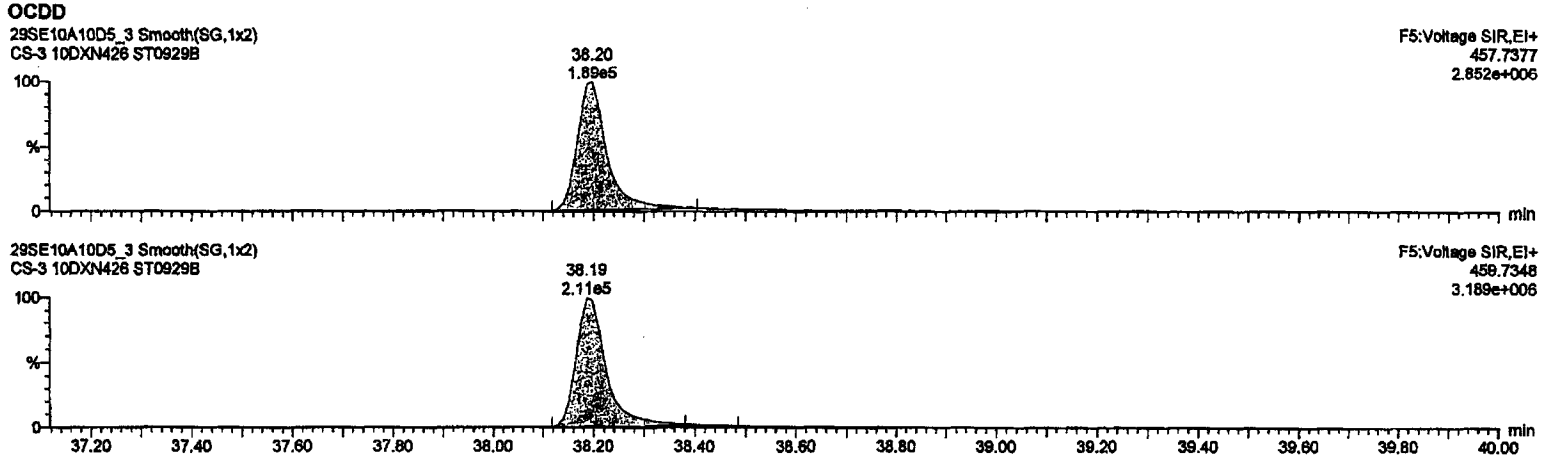
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

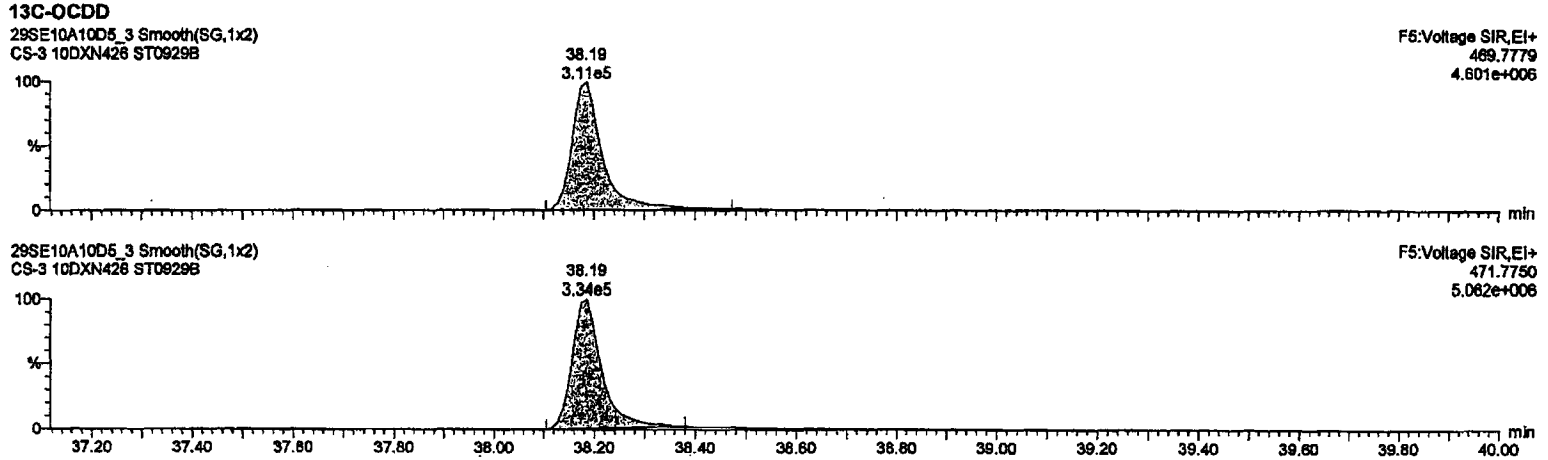
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

OCDD



13C-OCDD



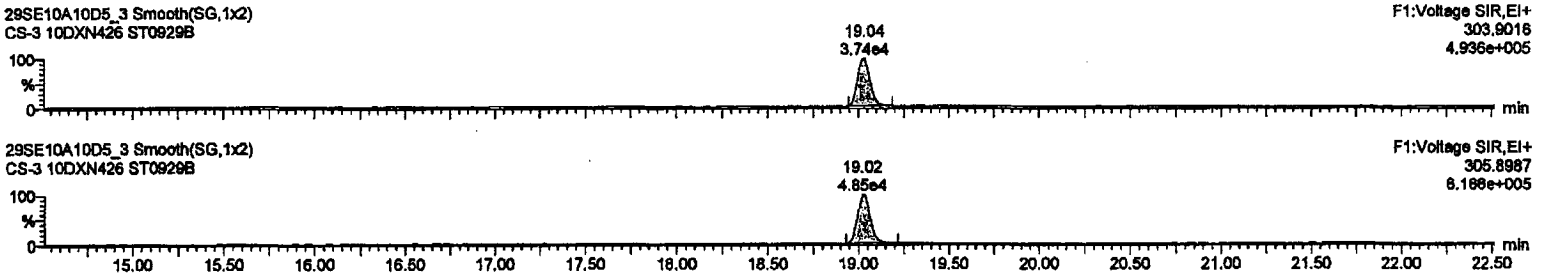
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

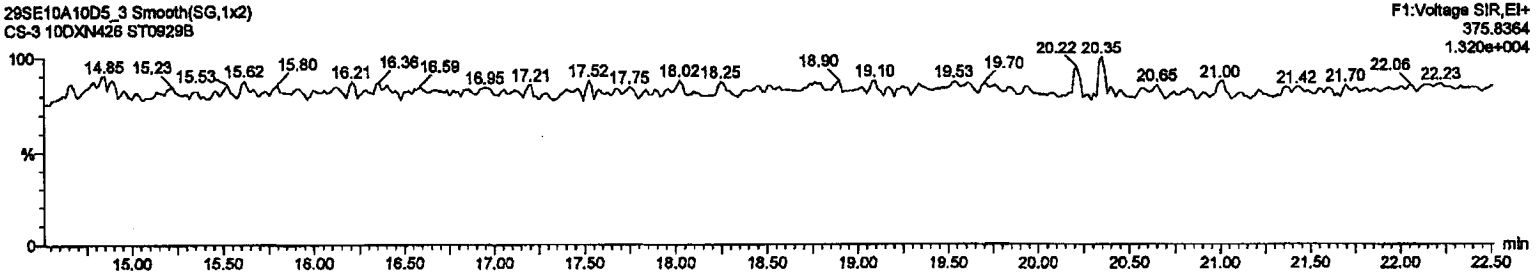
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

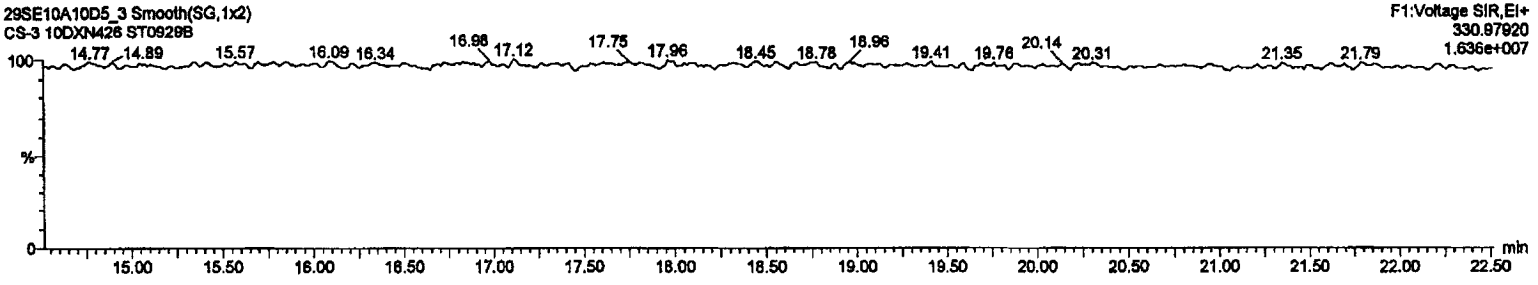
TCDFs



TCDF PCDPE



Function 1 PFK



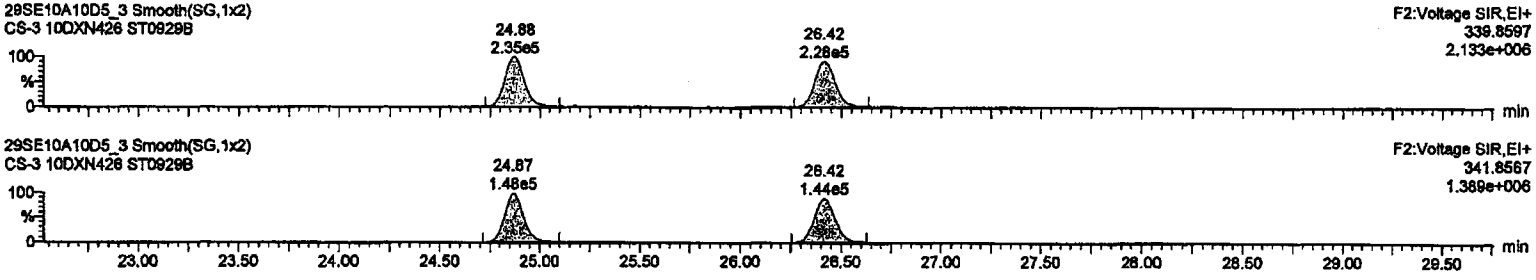
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

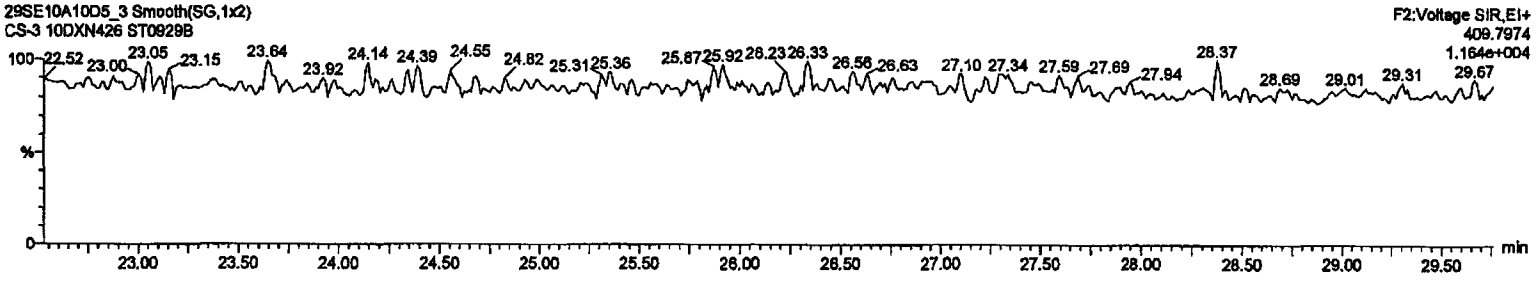
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

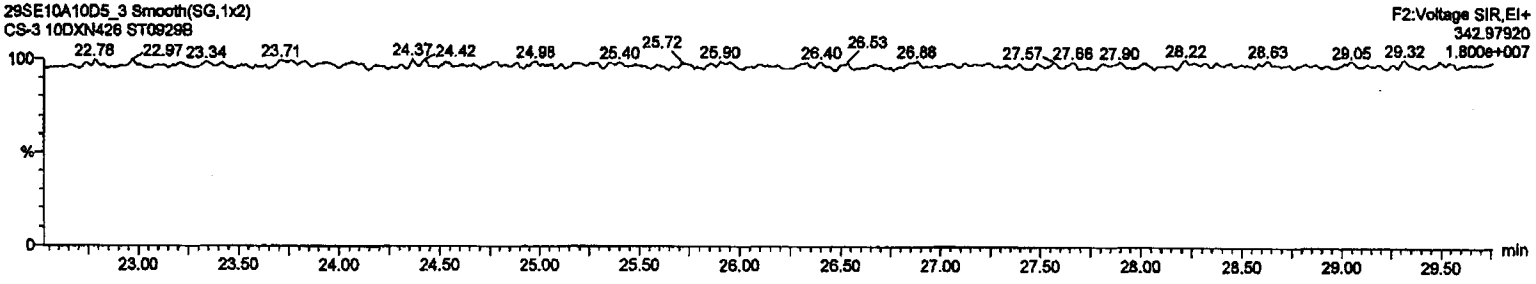
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



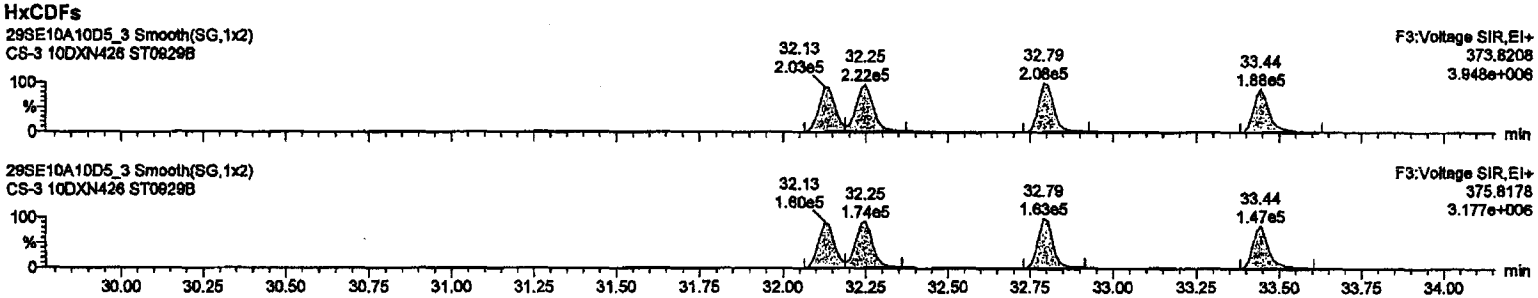
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

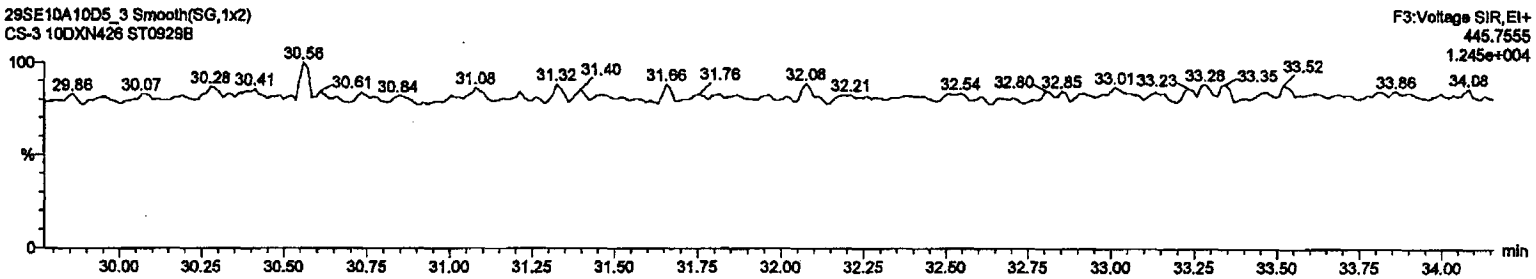
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

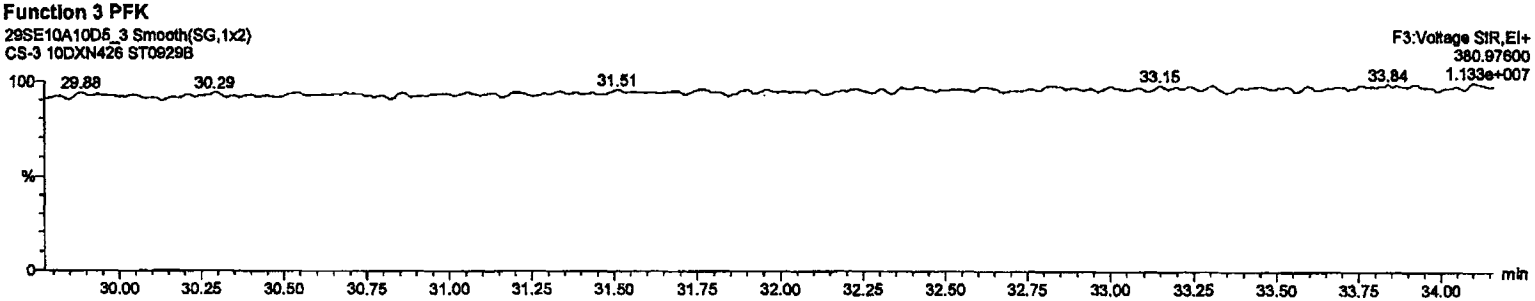
HxCDFs



HxCDF PCDPE



Function 3 PFK



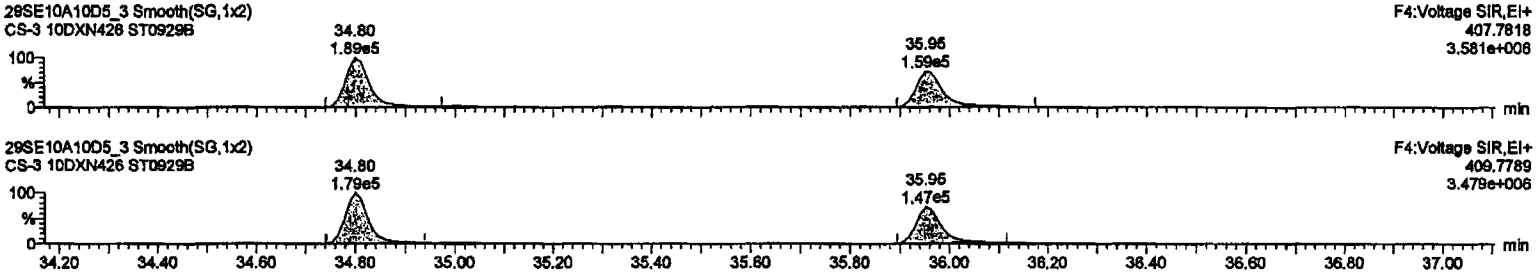
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

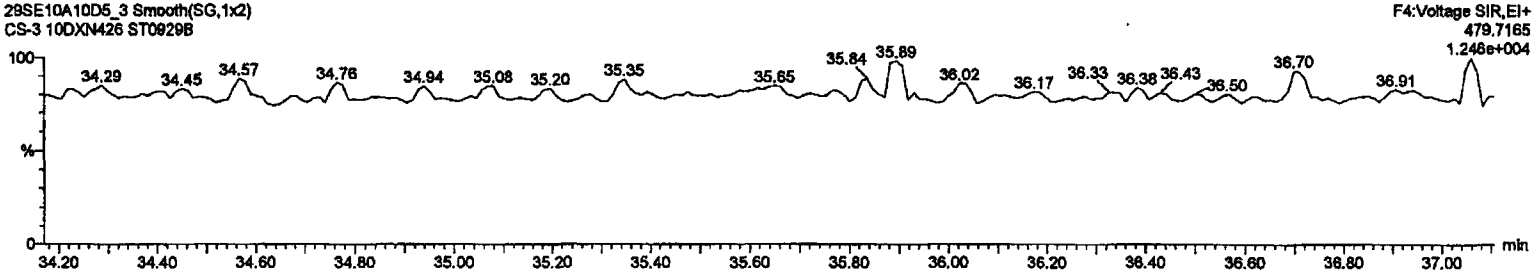
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

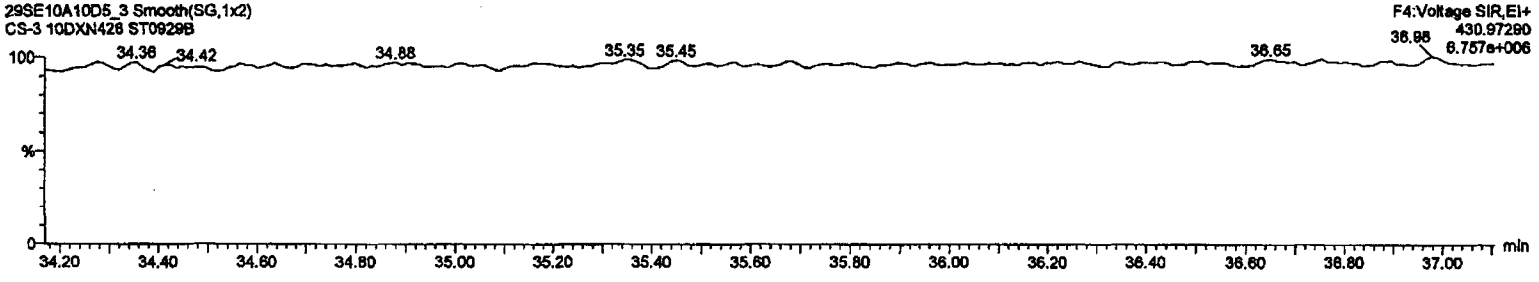
HpCDFs



HpCDF PCDPE



Function 4 PFK



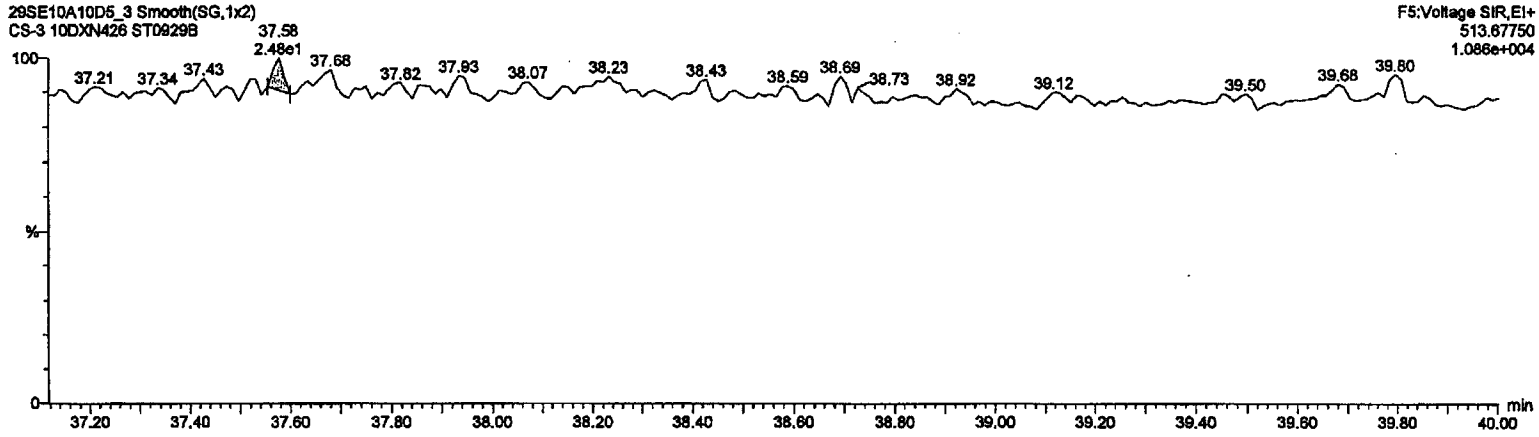
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

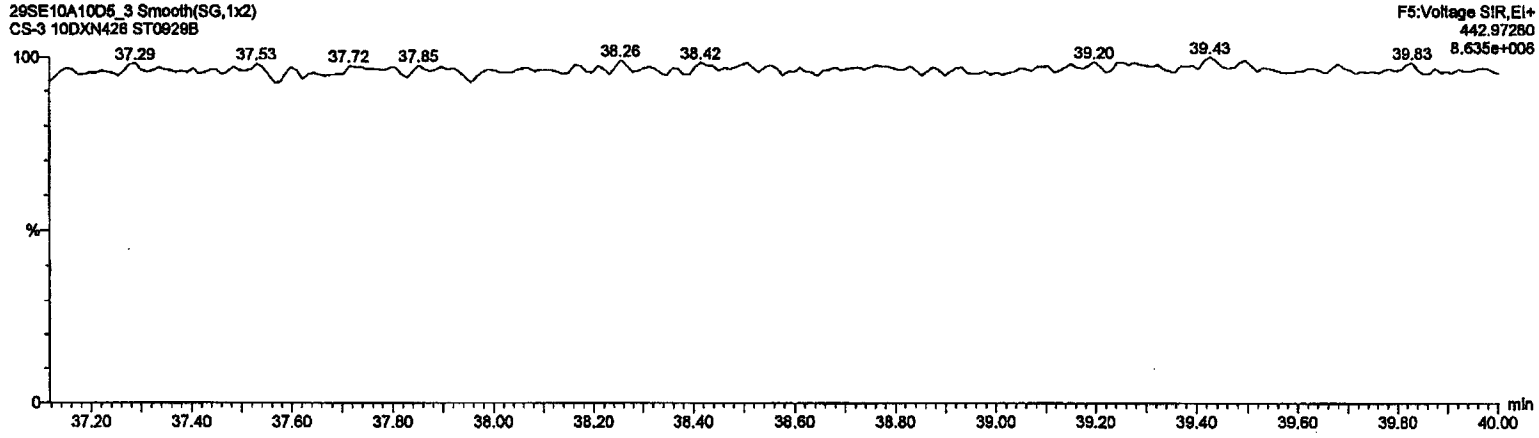
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_3, Date: 29-Sep-2010, Time: 20:15:39, ID: ST0929B, Description: CS-3 10DXN426

OCDF PCDPE



Function 5 PFK



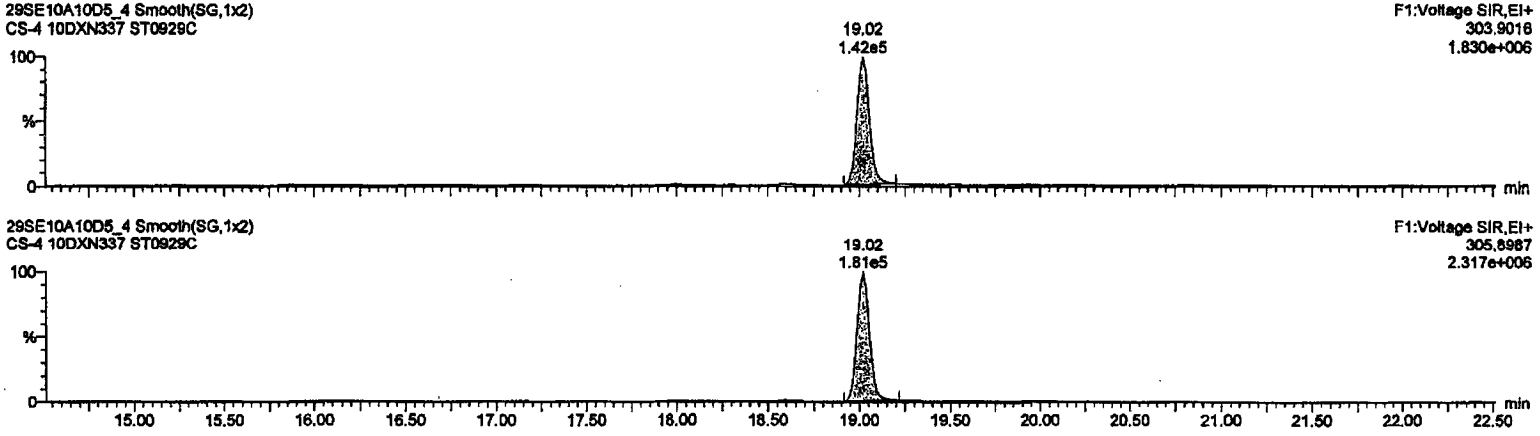
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

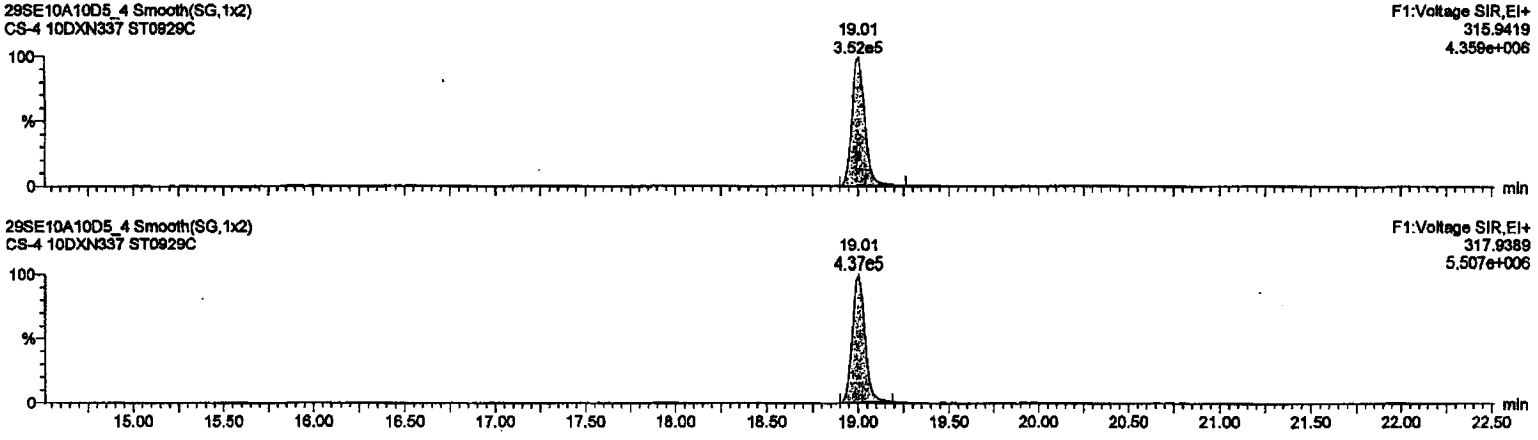
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

TCDFs



13C-TCDF



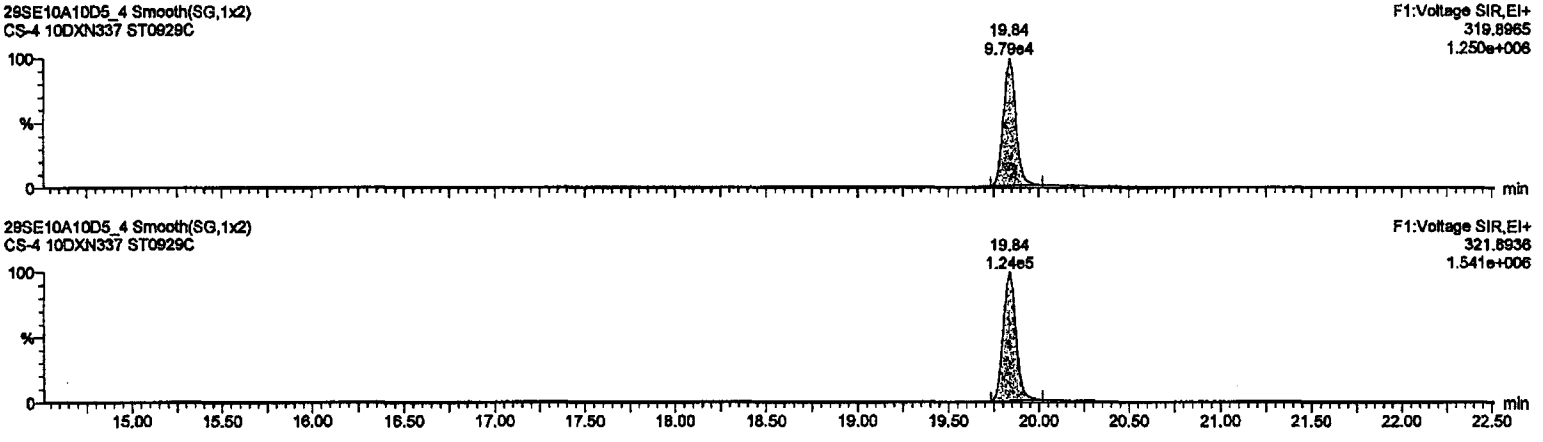
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

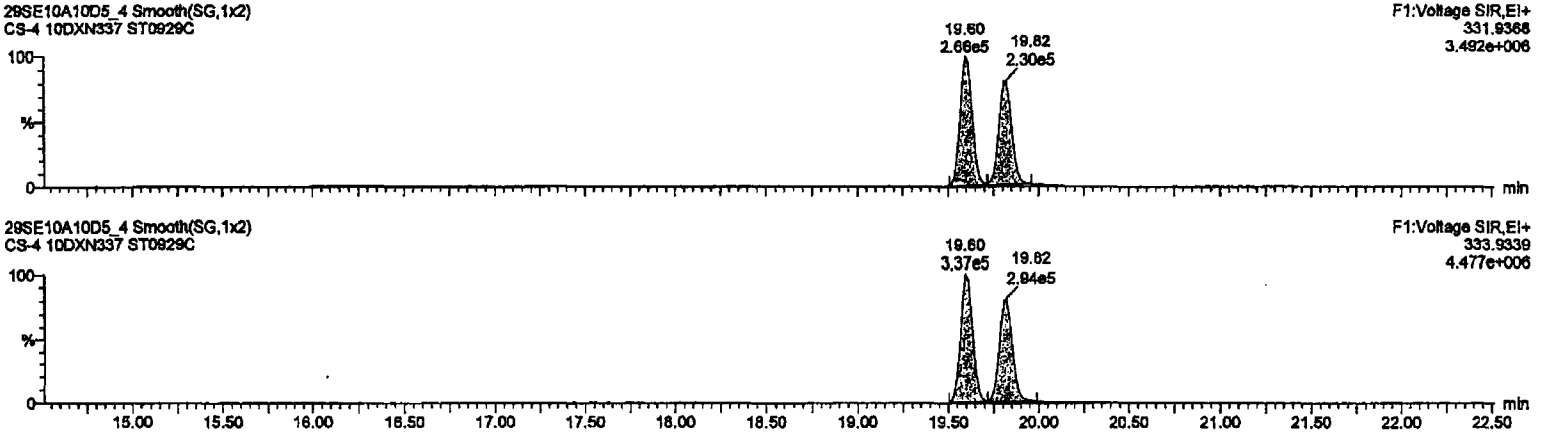
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

TCDDs



13C-TCDDs



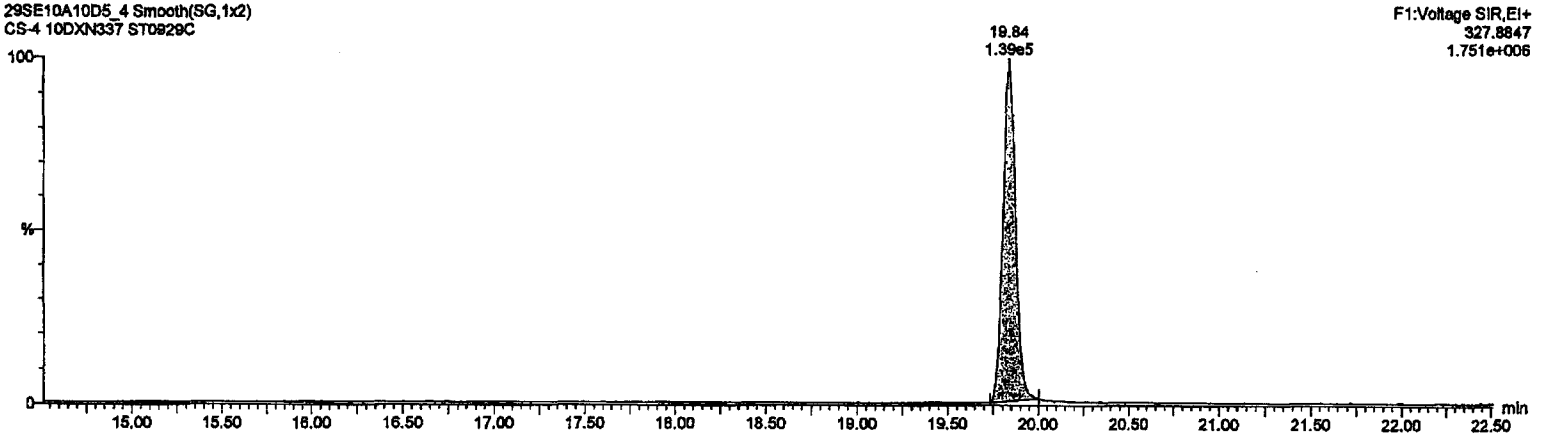
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

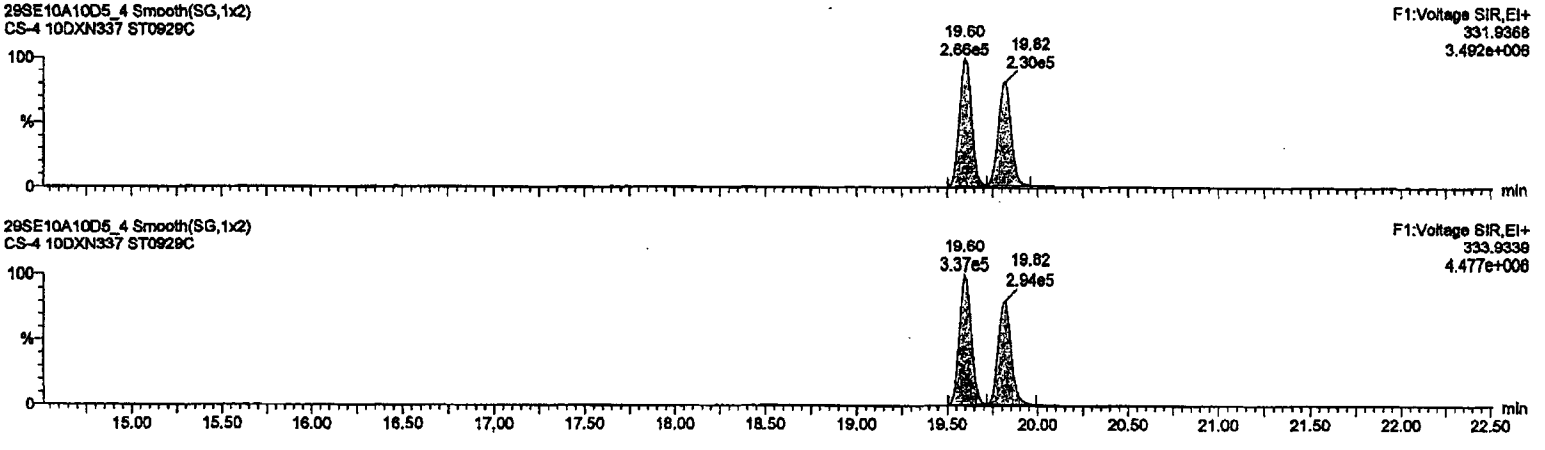
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

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



13C-TCDDs



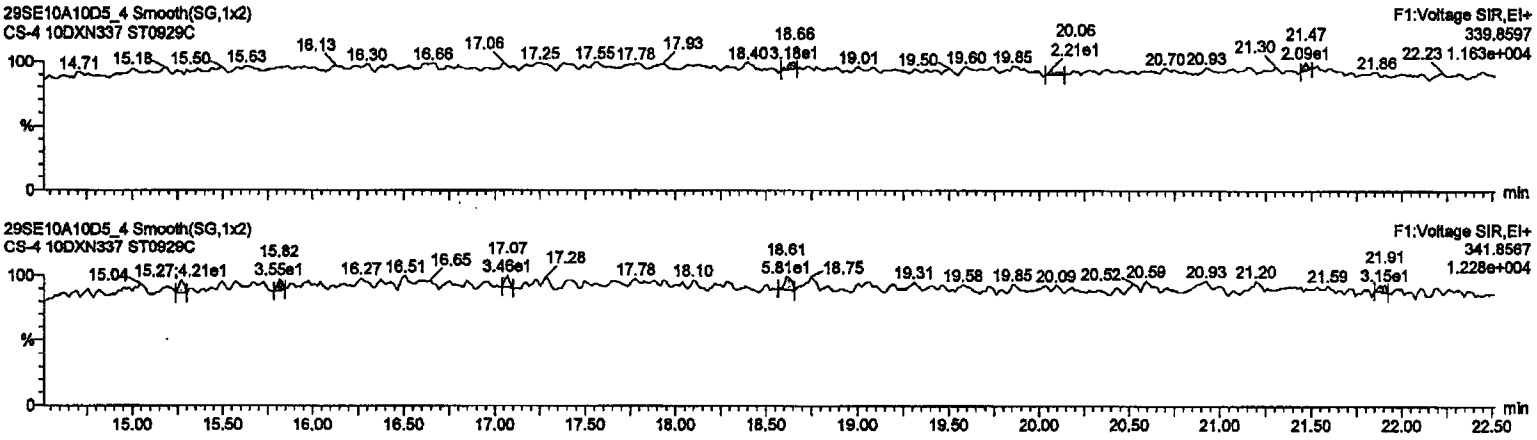
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

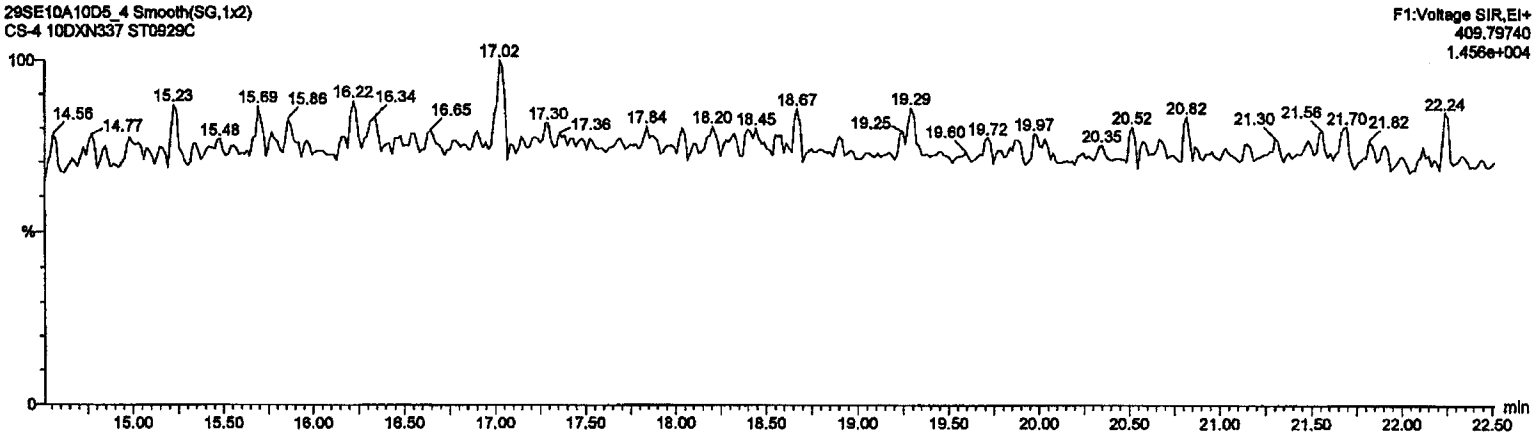
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

F1 PeCDFs



F1 PeCDF PCDPE



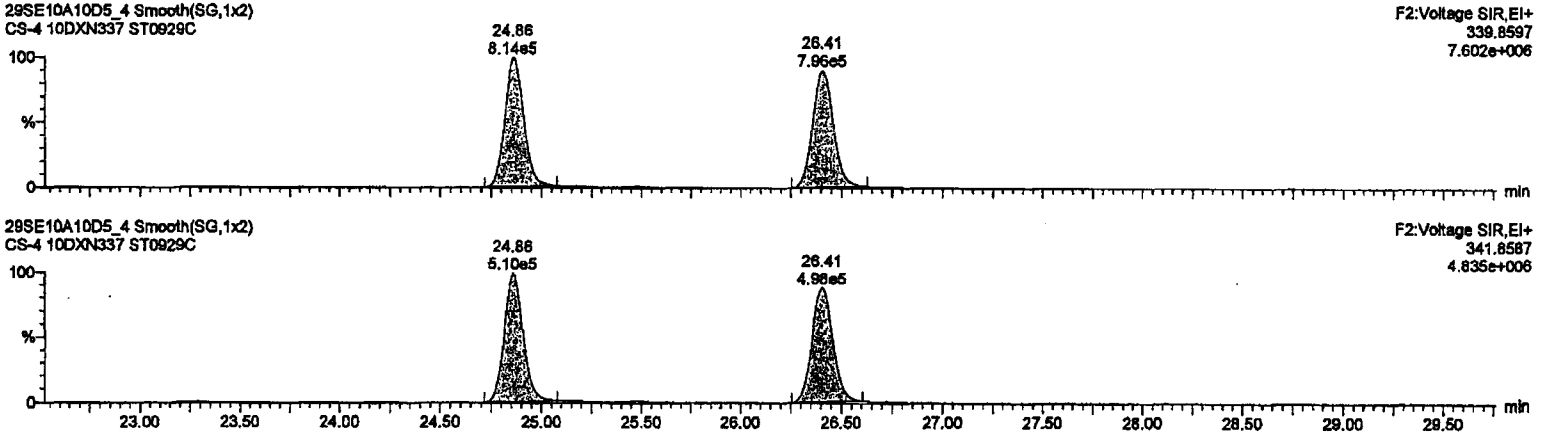
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

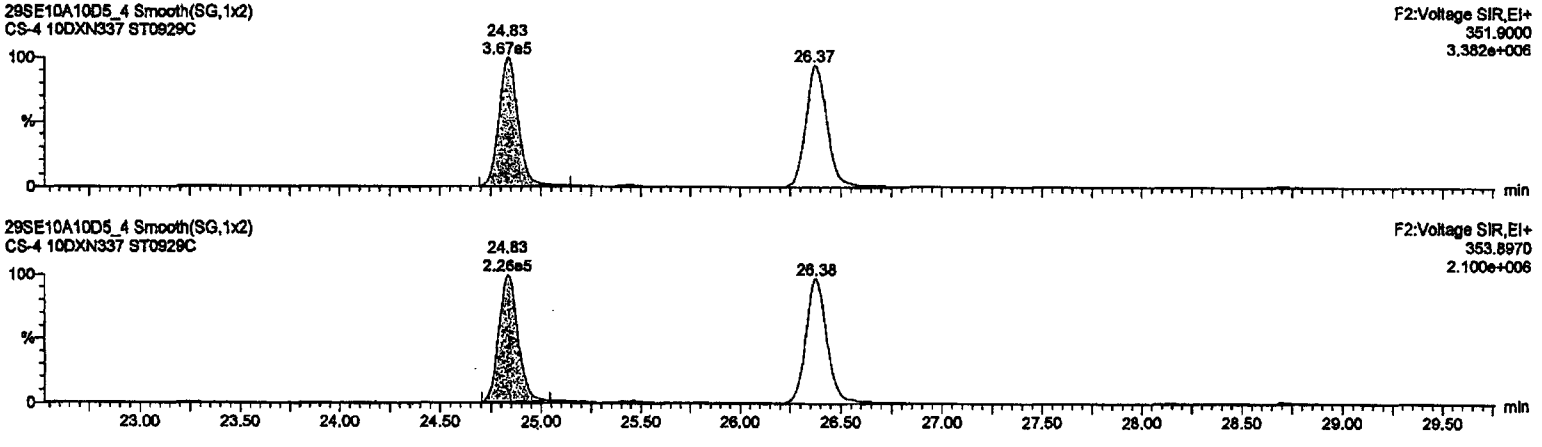
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

PeCDFs



13C-PeCDFs



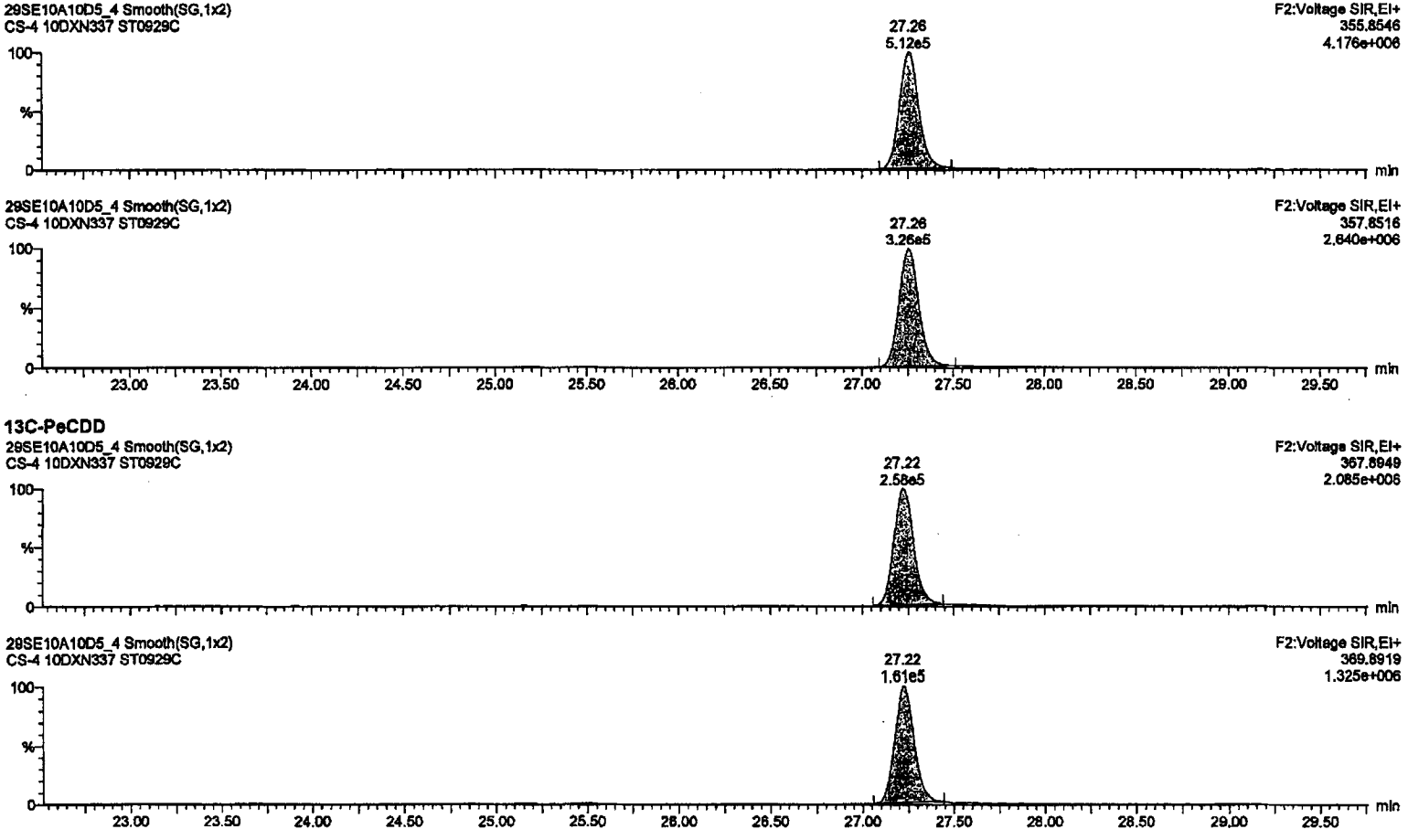
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

PeCDDs



13C-PeCDD

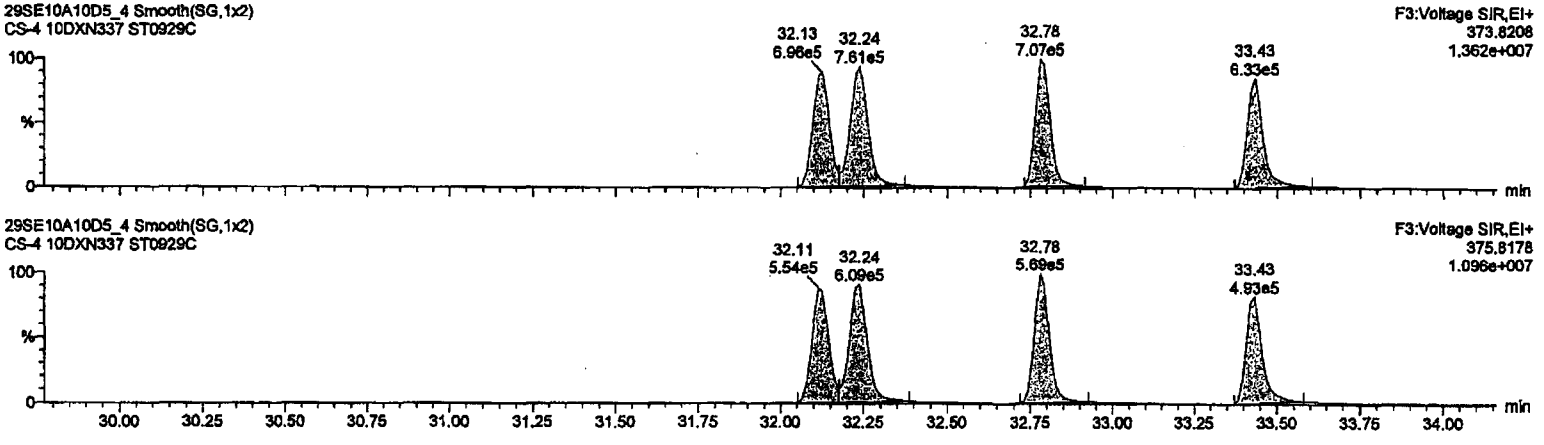
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

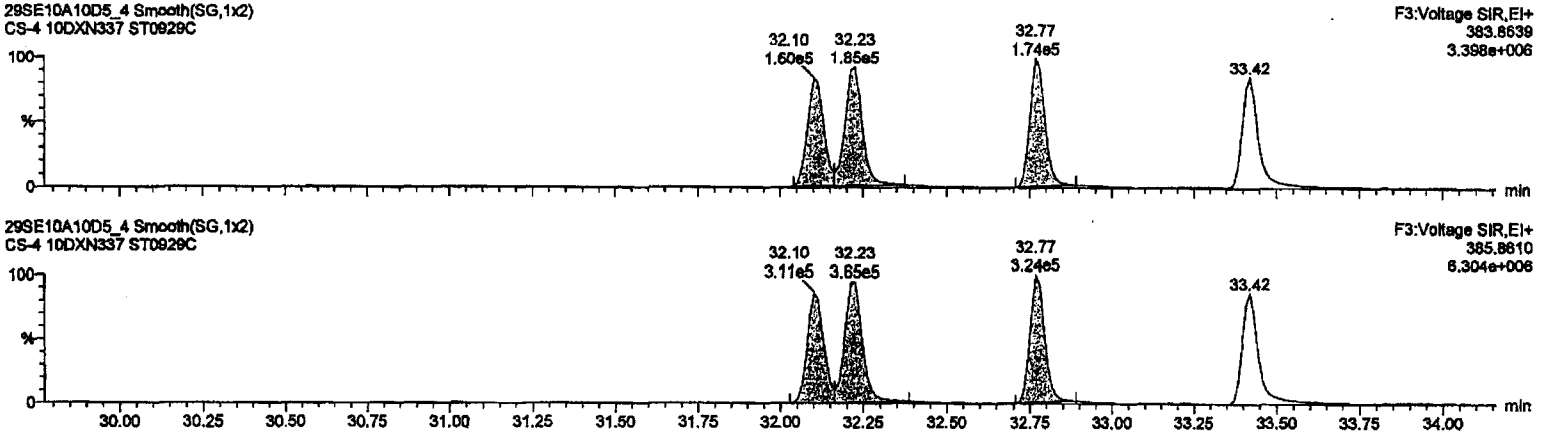
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

HxCDFs



13C-HxCDFs



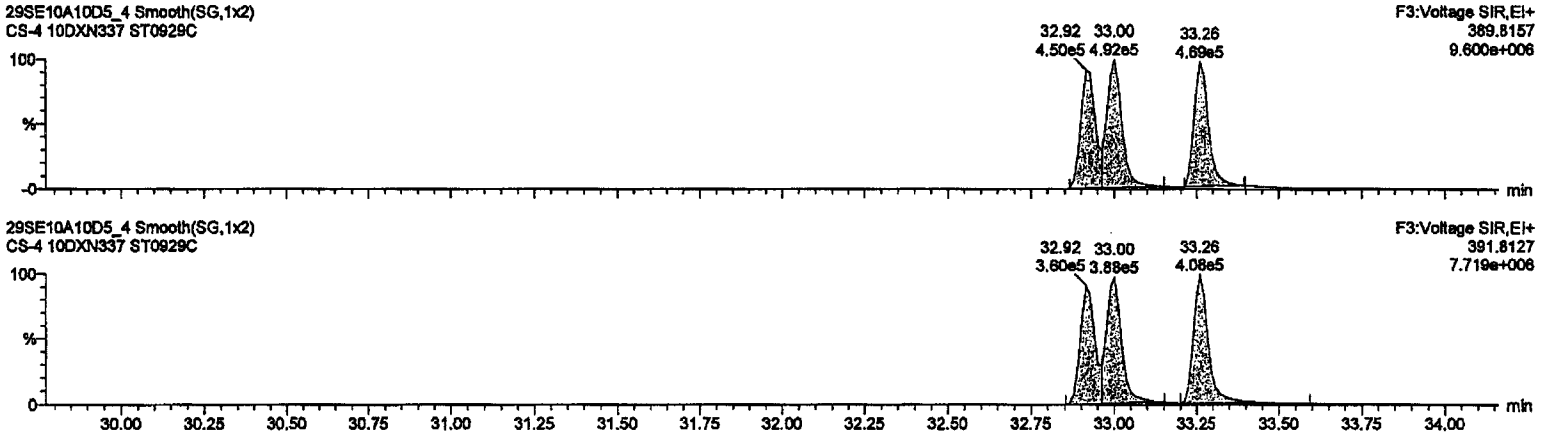
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

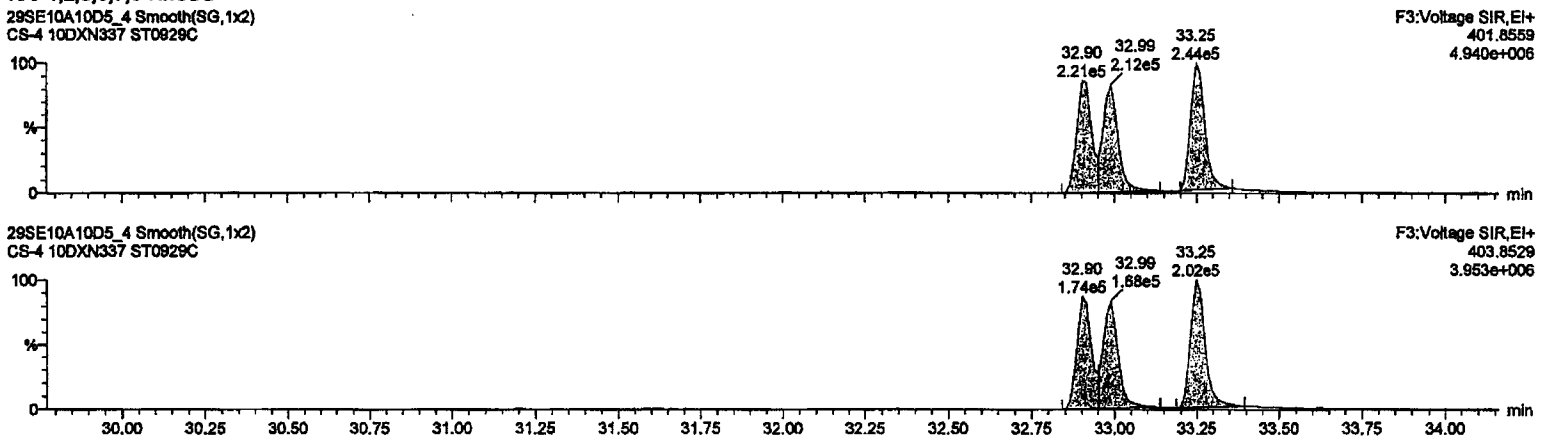
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

HxCDDs



13C-1,2,3,6,7,8-HxCDD



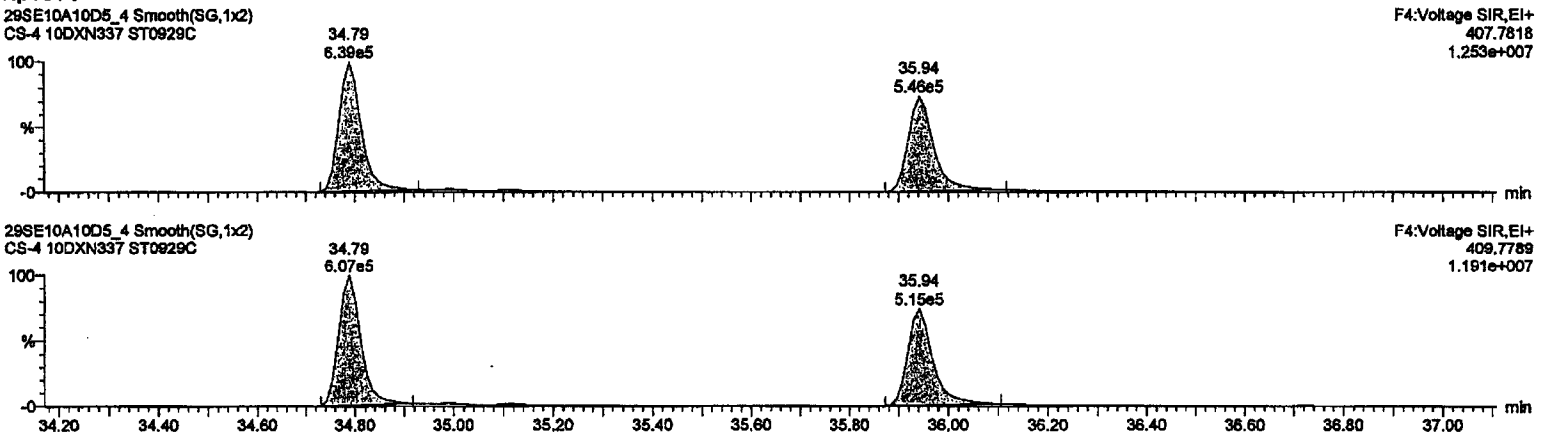
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

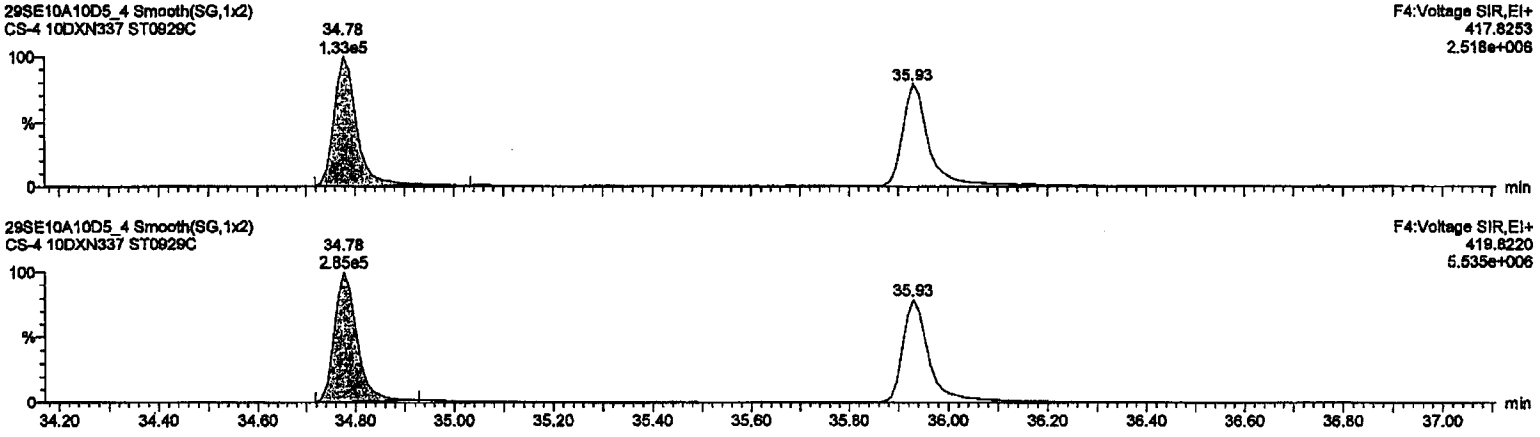
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

HpCDFs



13C-HpCDFs



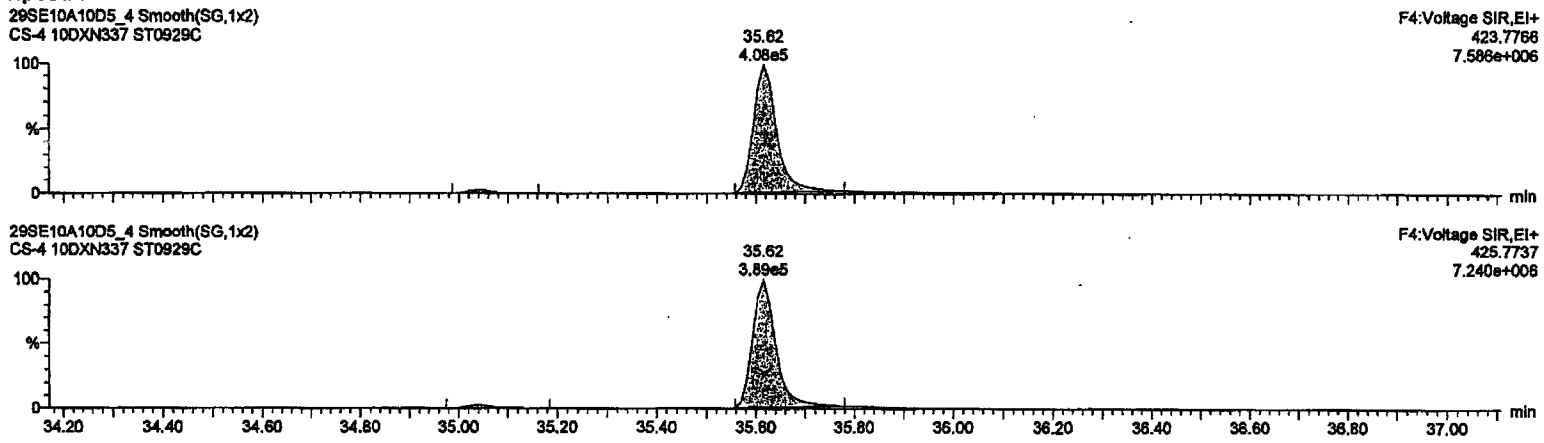
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

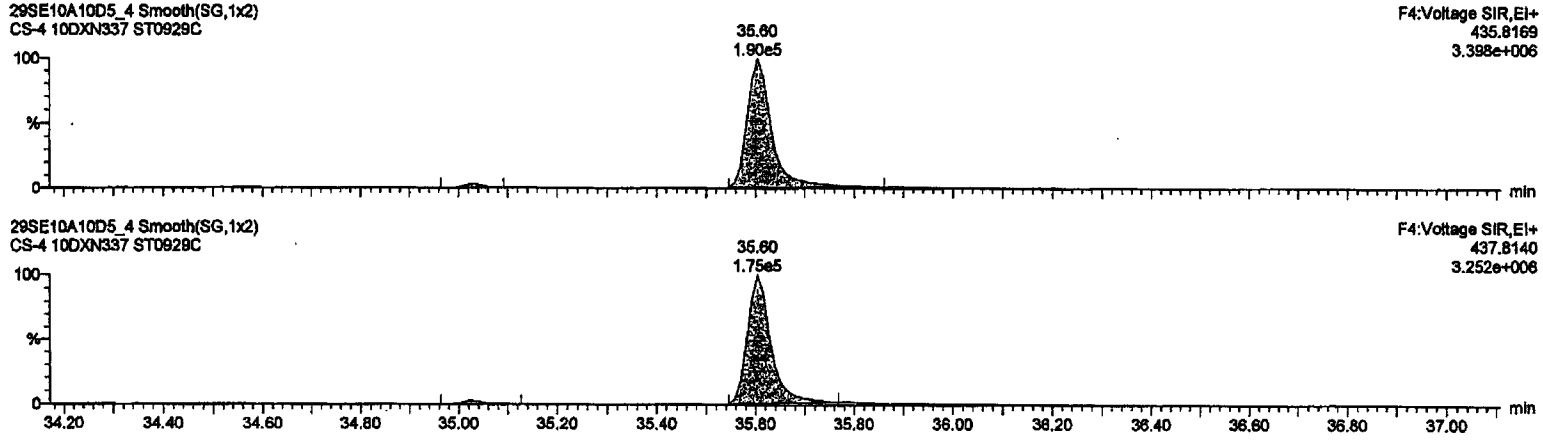
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



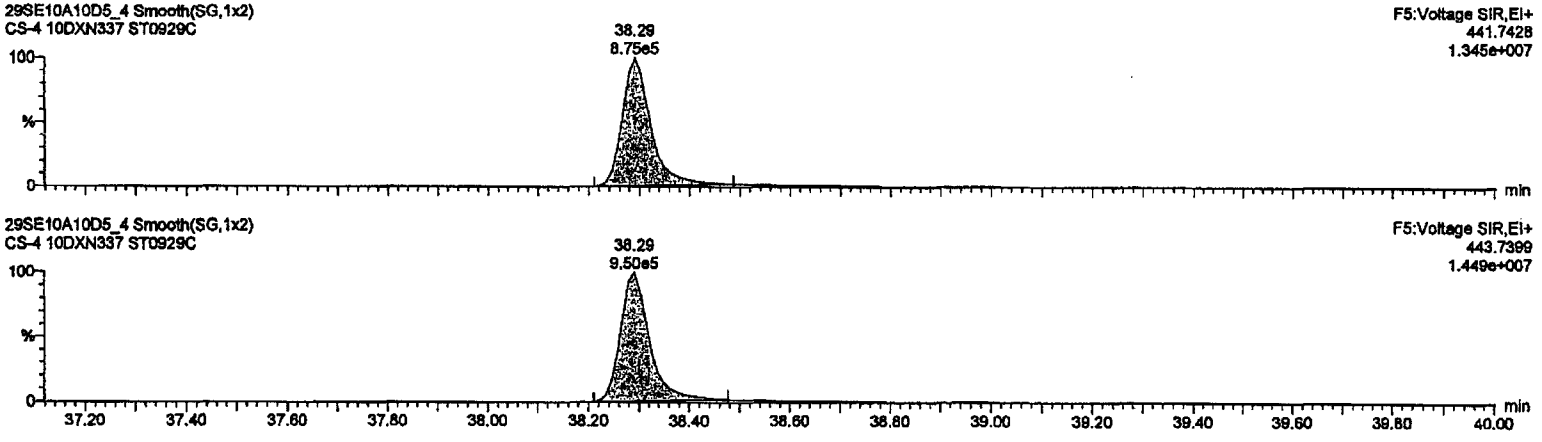
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

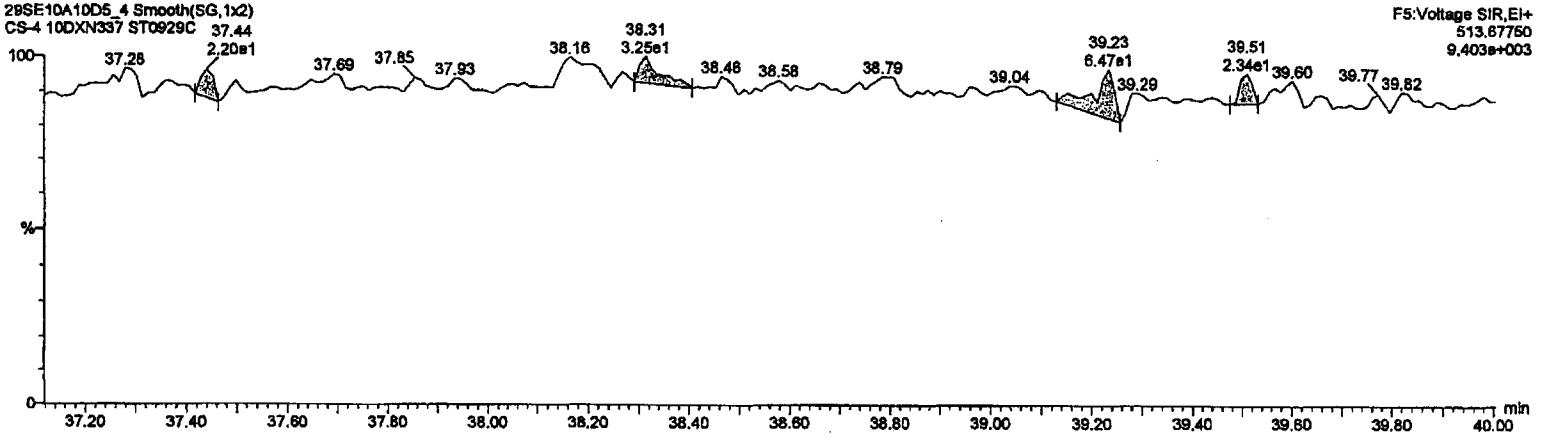
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

OCDFs



OCDF PCDPE



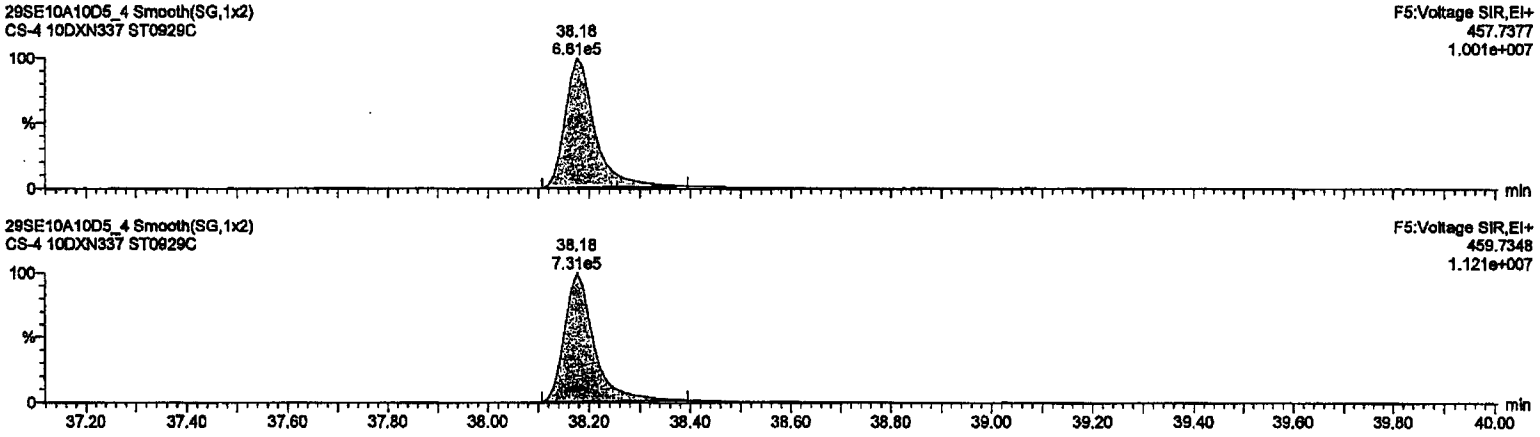
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

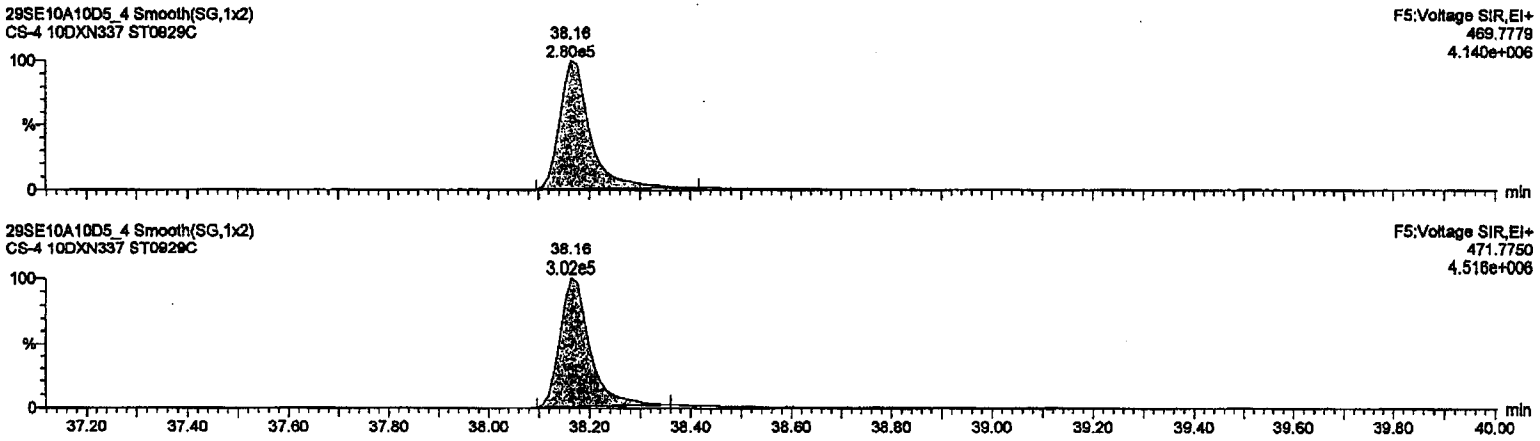
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

OCDD



13C-OCDD



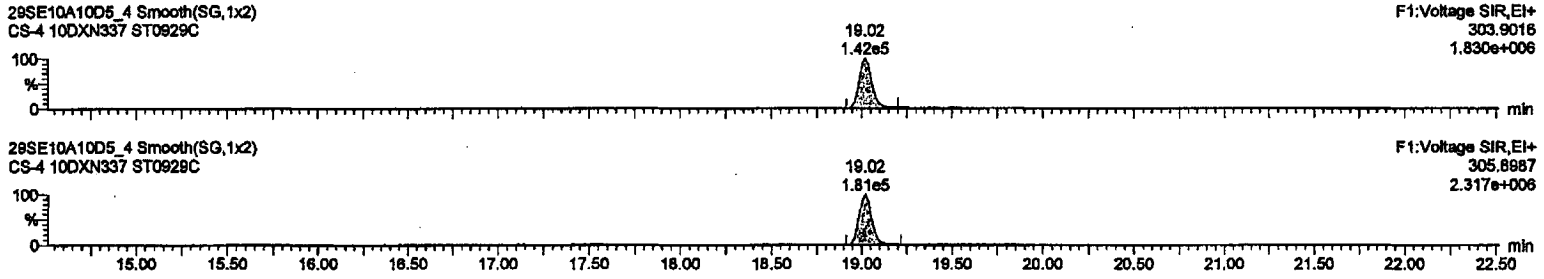
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

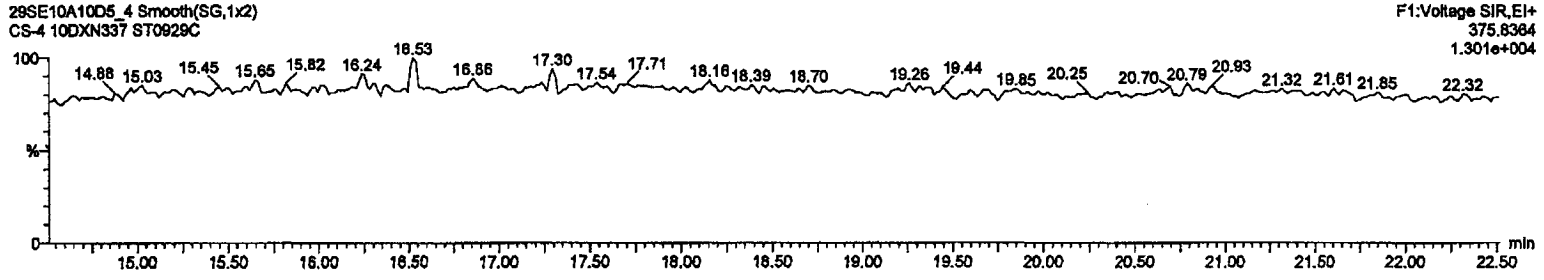
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

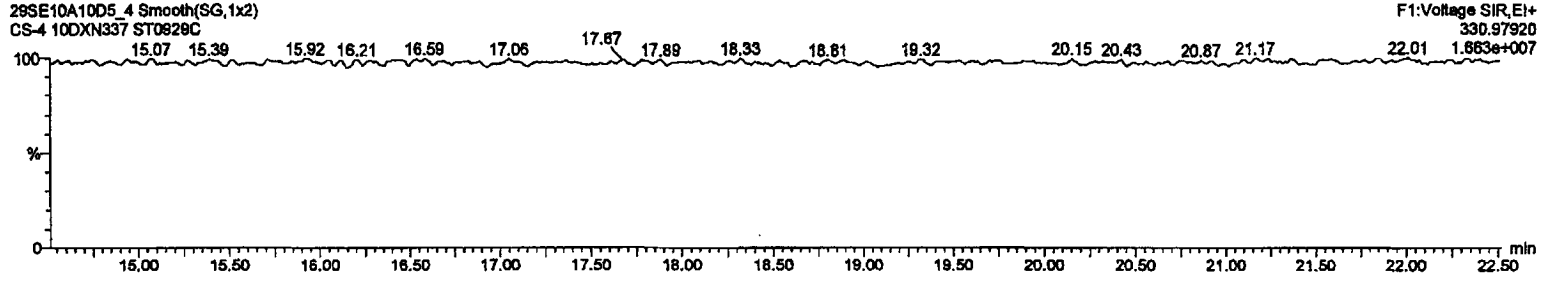
TCDFs



TCDF PCDPE



Function 1 PFK



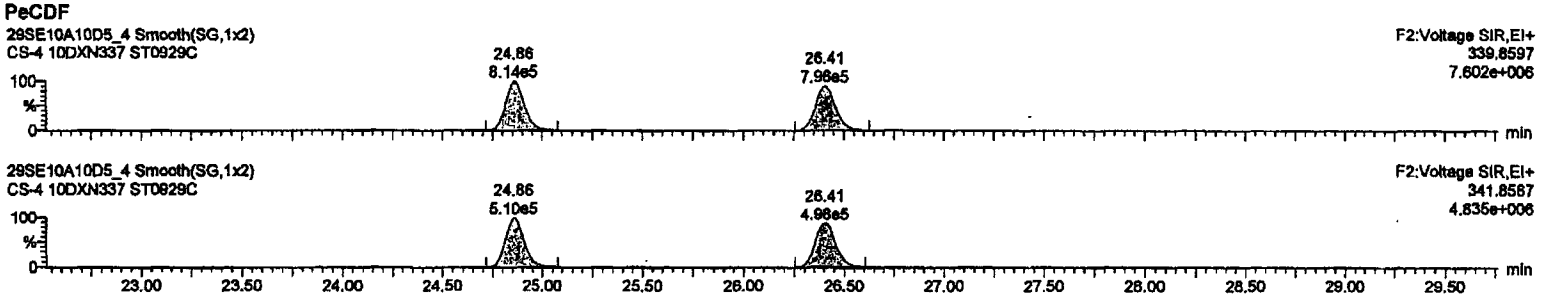
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

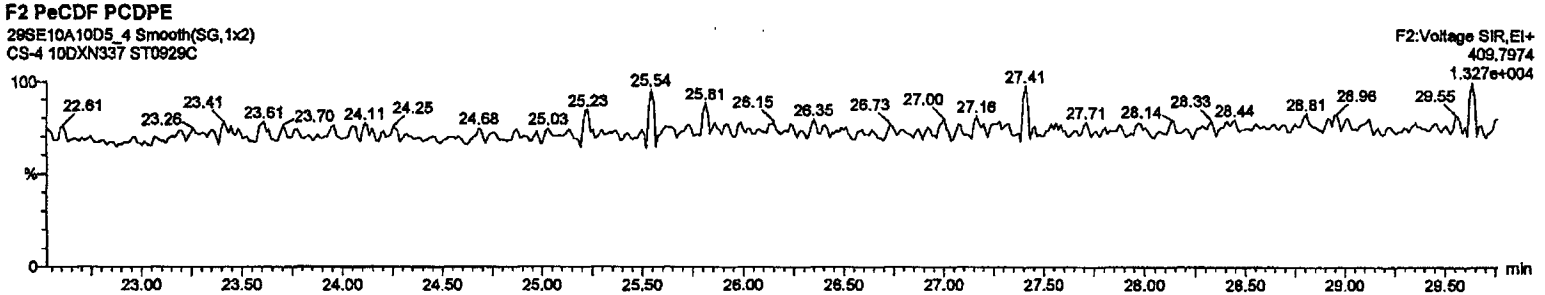
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

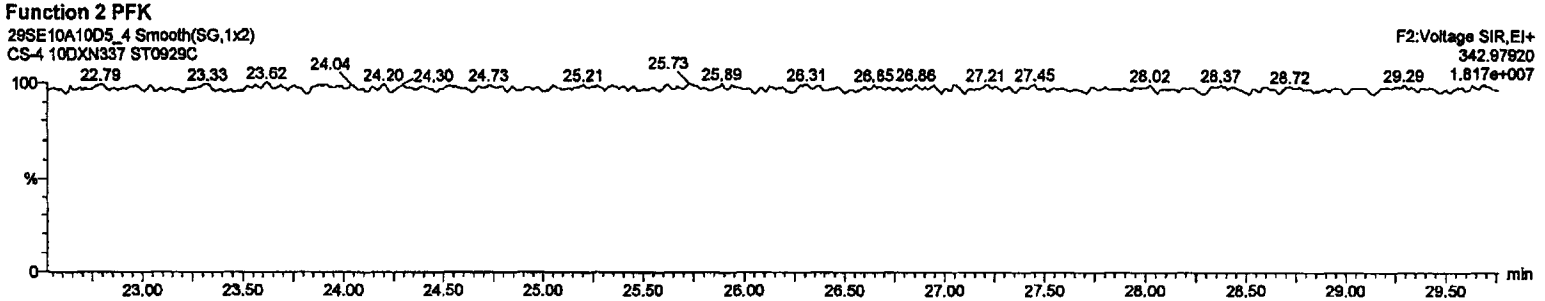
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



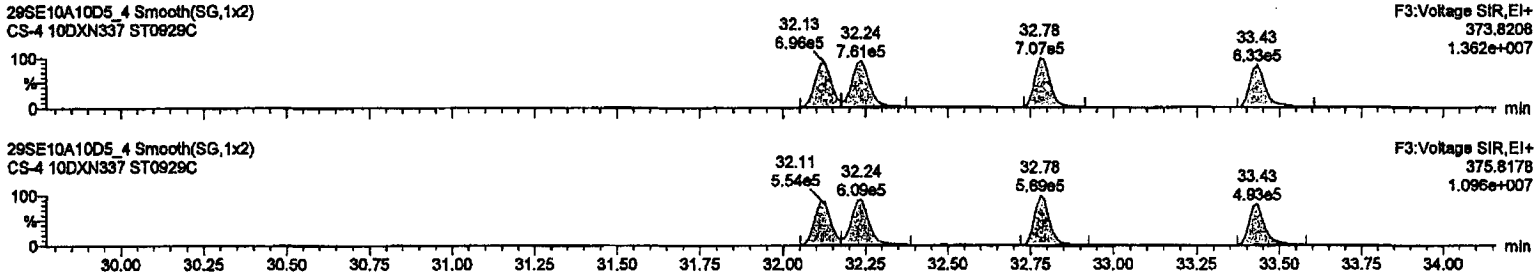
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

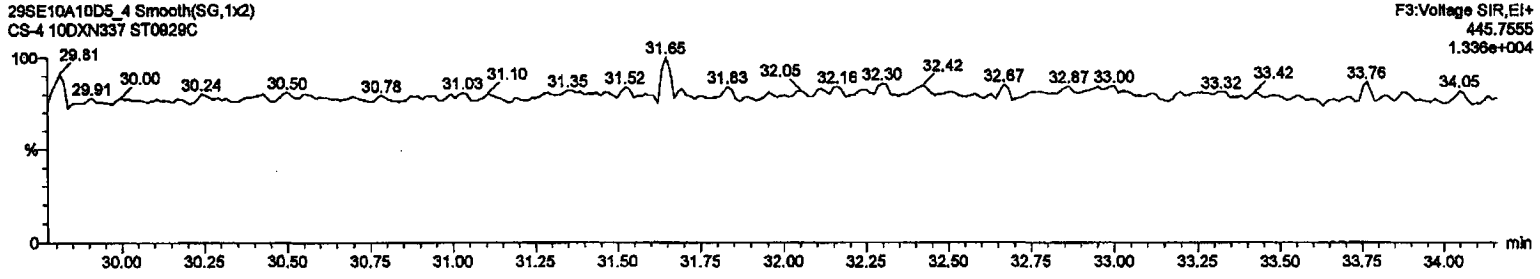
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

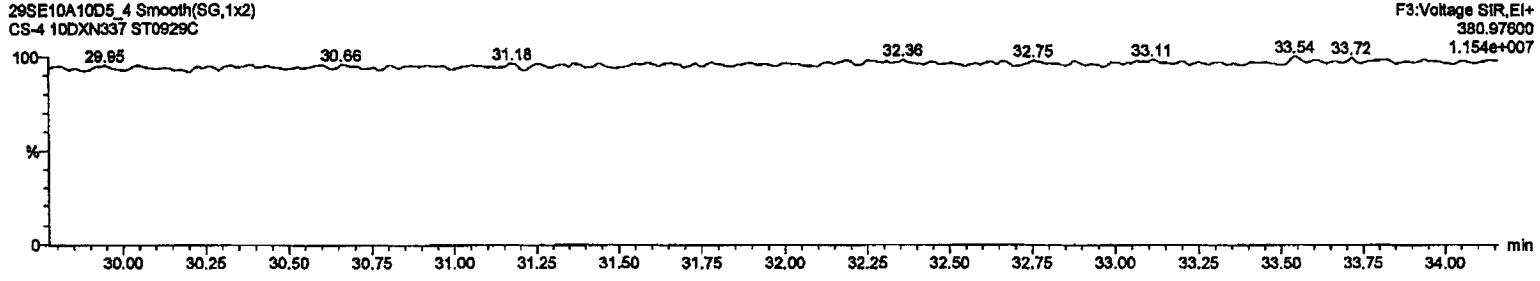
HxCDFs



HxCDF PCDPE



Function 3 PFK



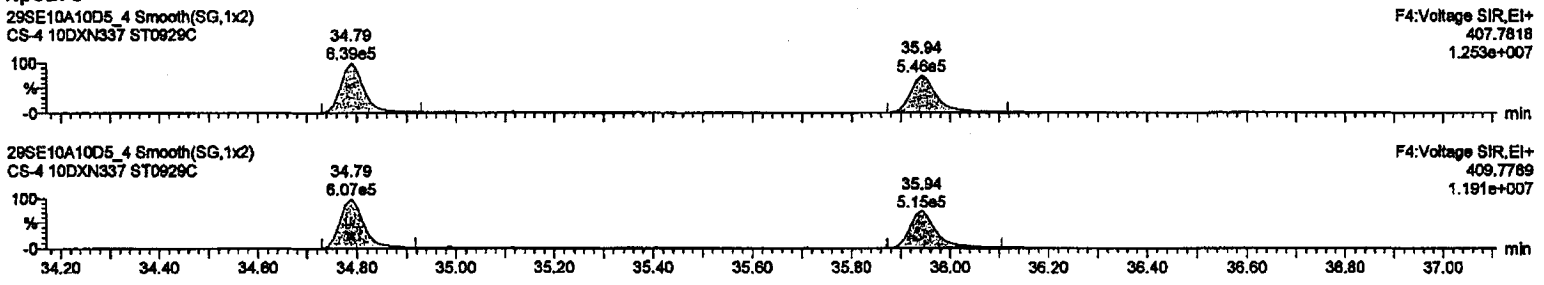
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

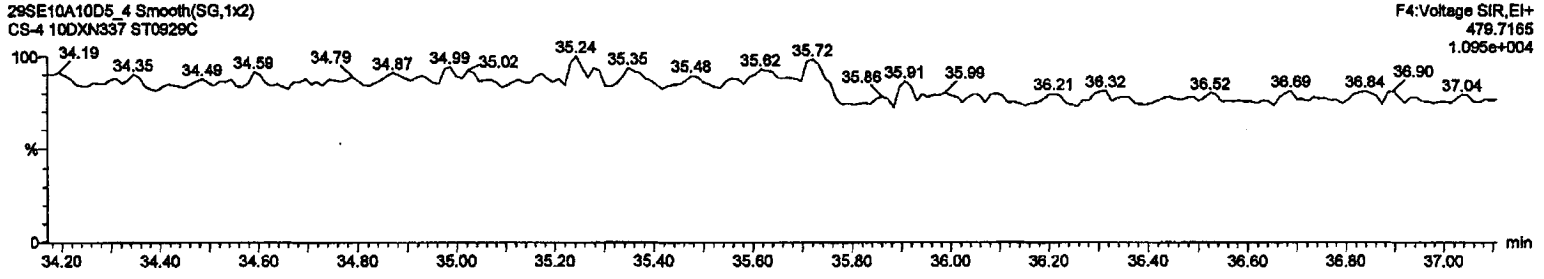
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

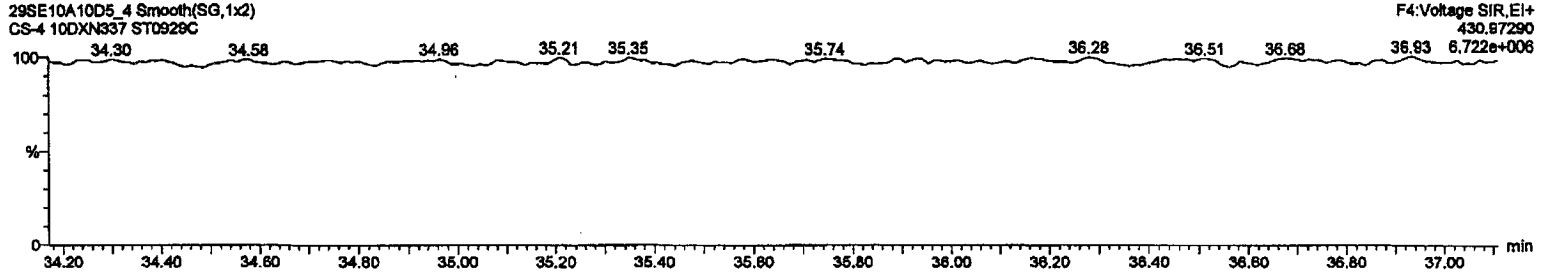
HpCDFs



HpCDF PCDPE



Function 4 PFK



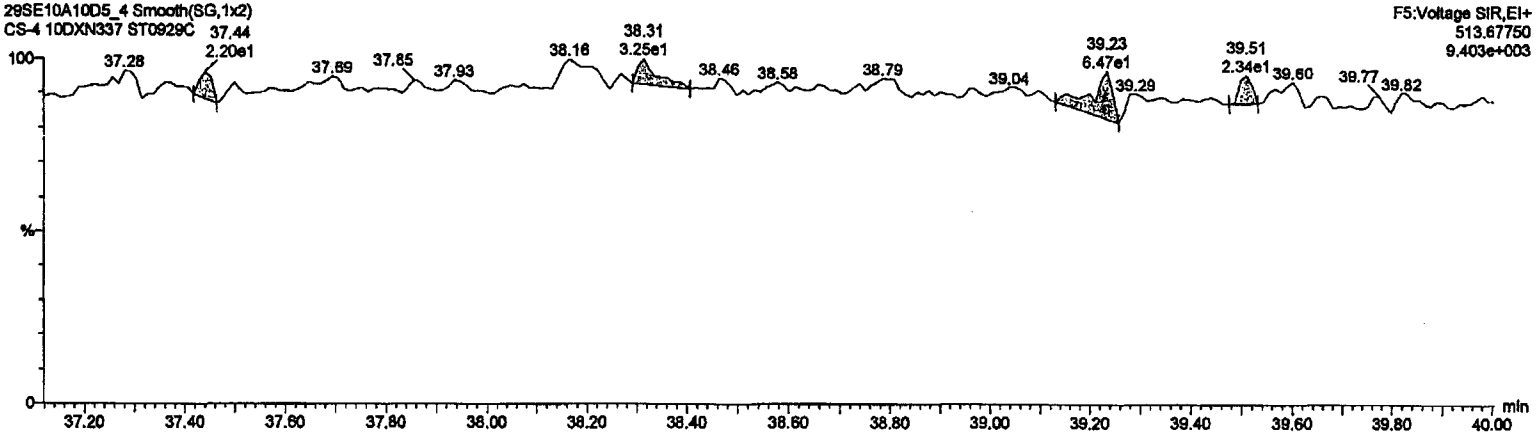
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

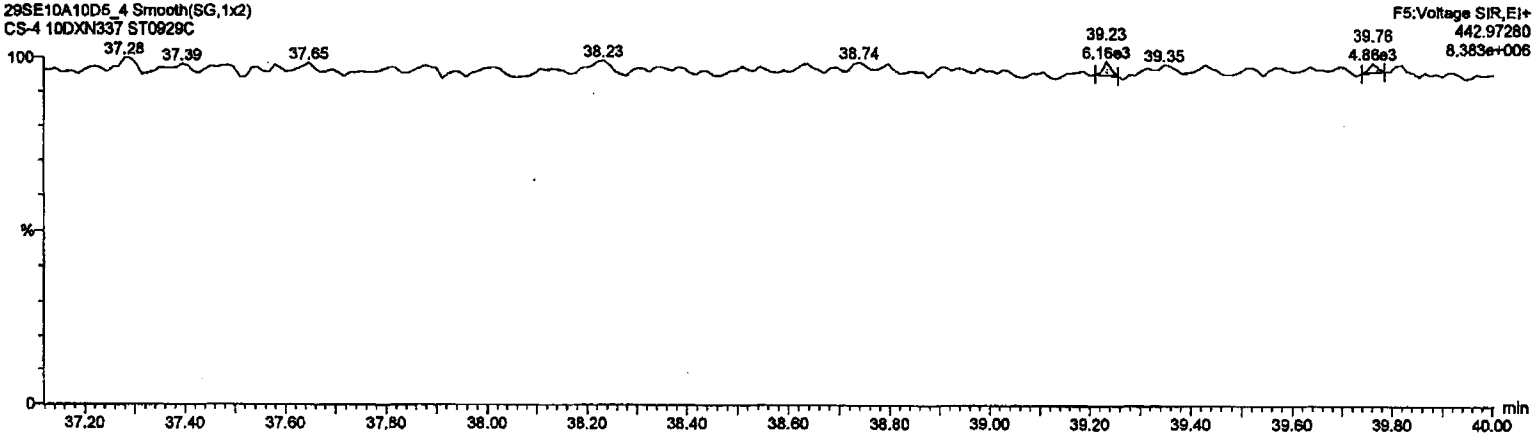
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_4, Date: 29-Sep-2010, Time: 20:57:26, ID: ST0929C, Description: CS-4 10DXN337

OCDF PCDPE



Function 5 PFK



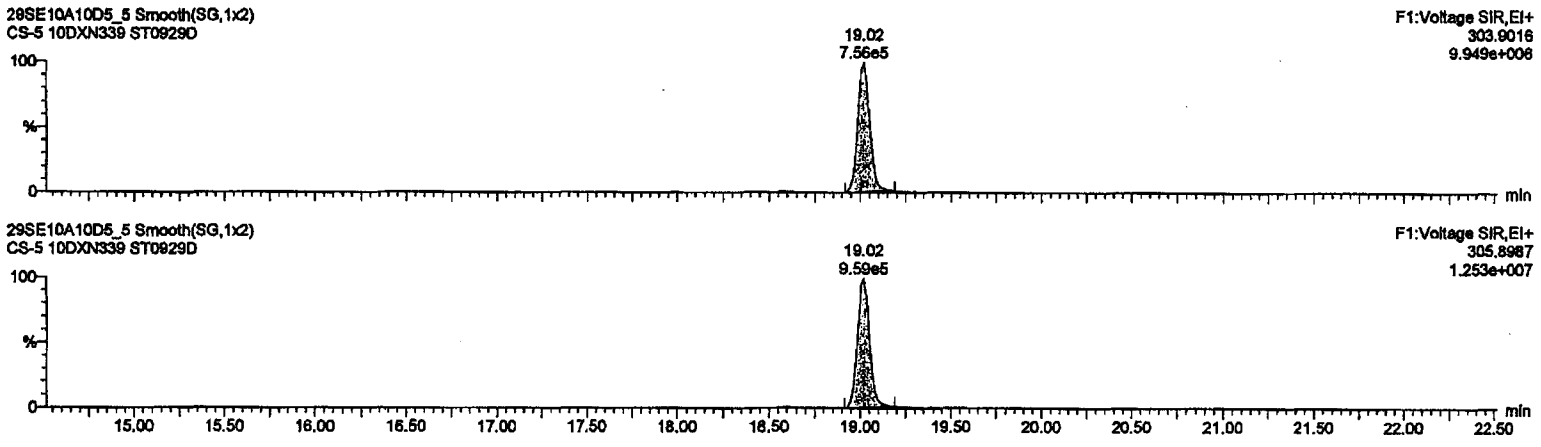
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

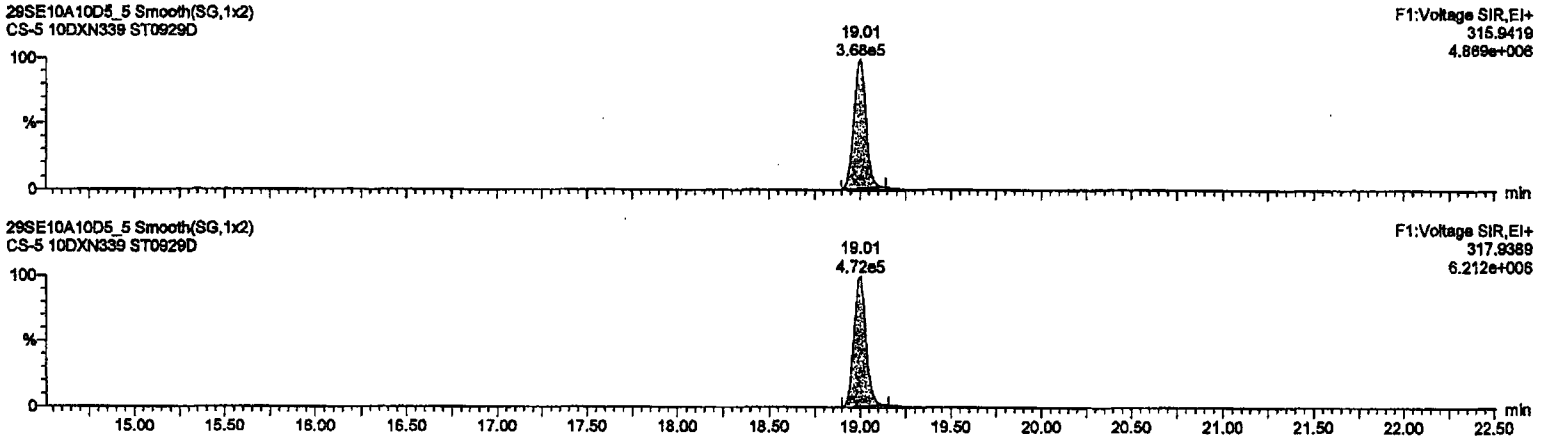
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

TCDFs



13C-TCDF



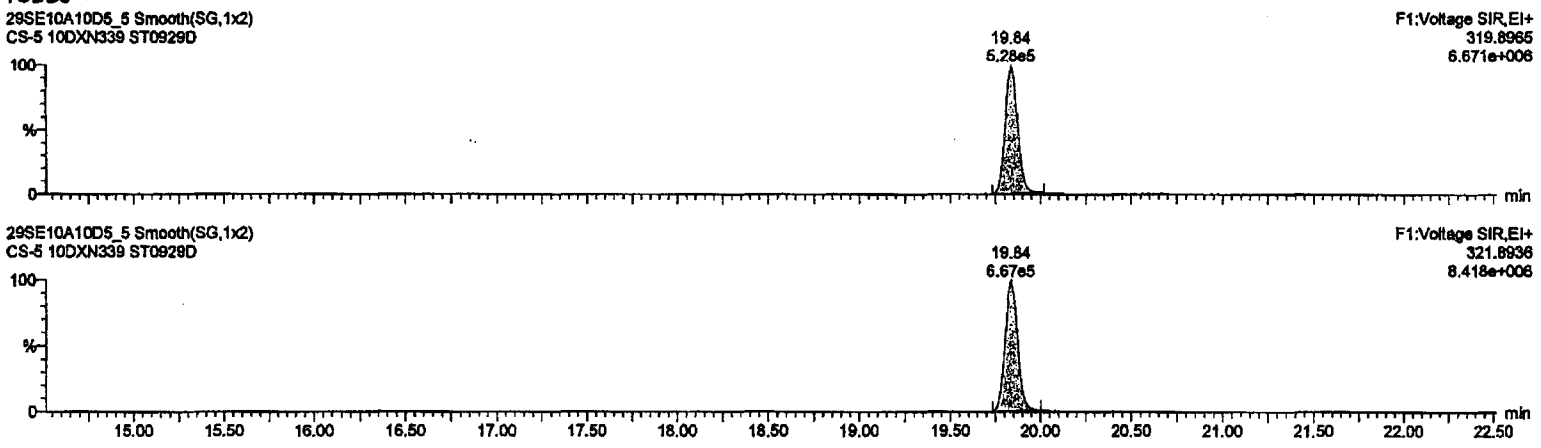
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

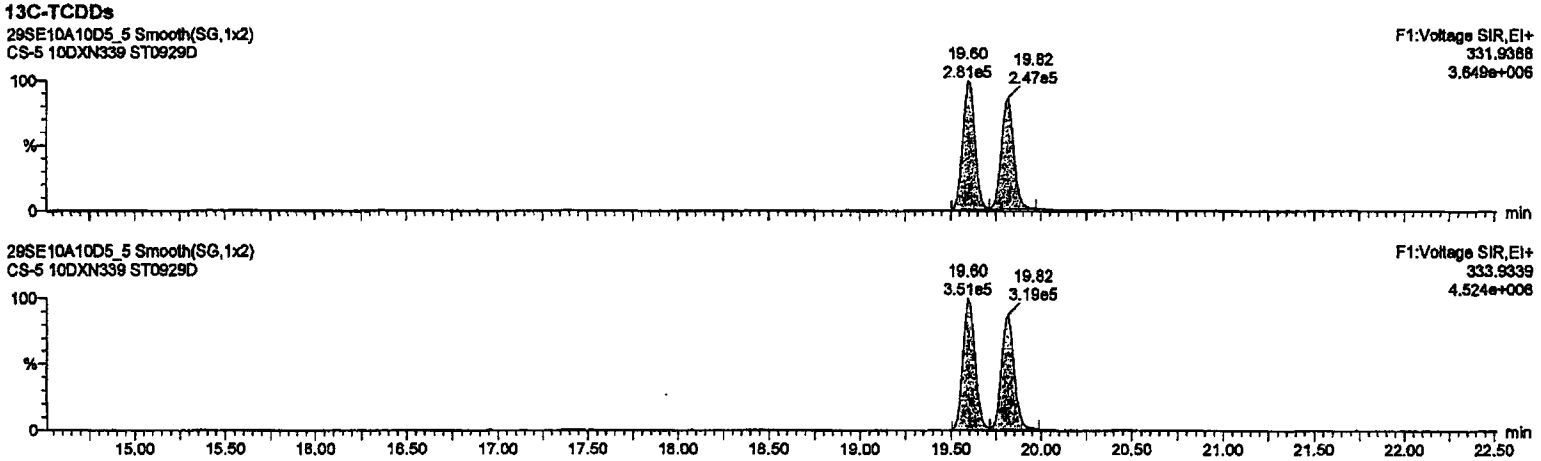
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

TCDDs



13C-TCDDs



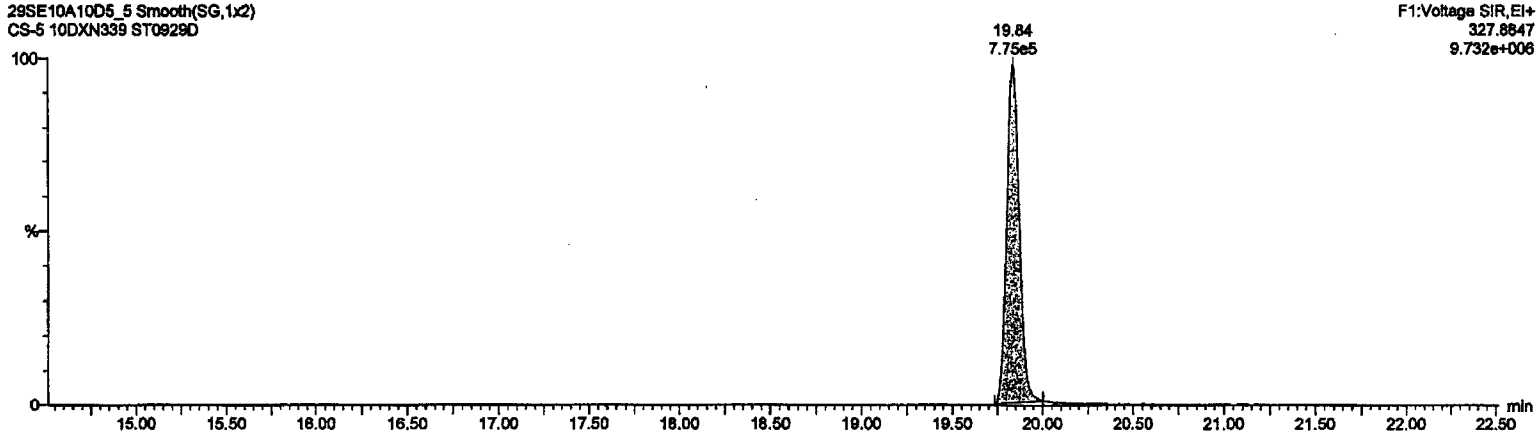
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

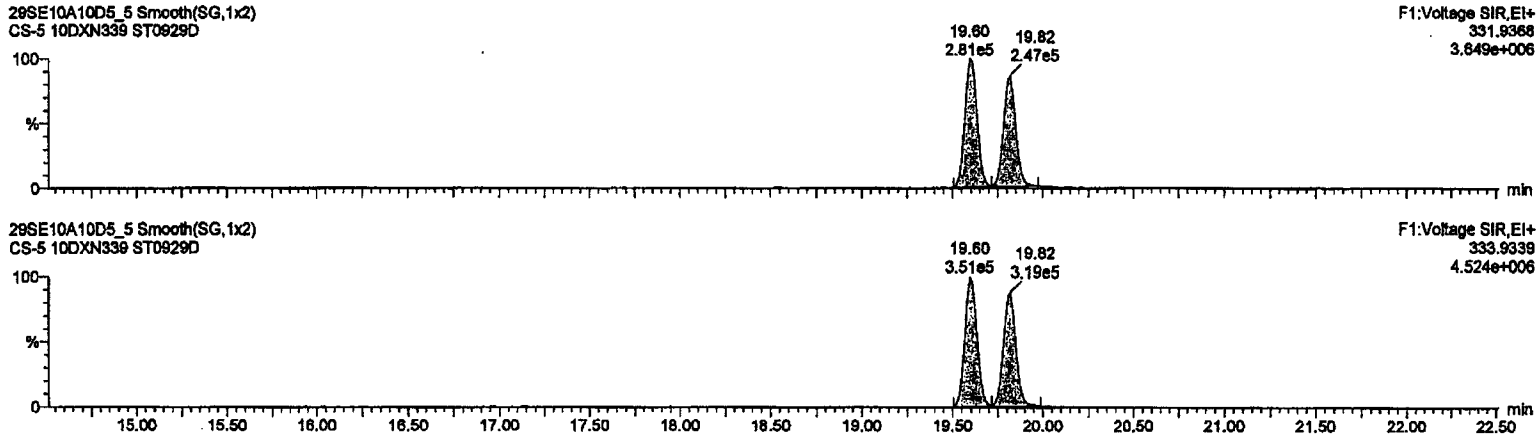
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

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



13C-TCDDs



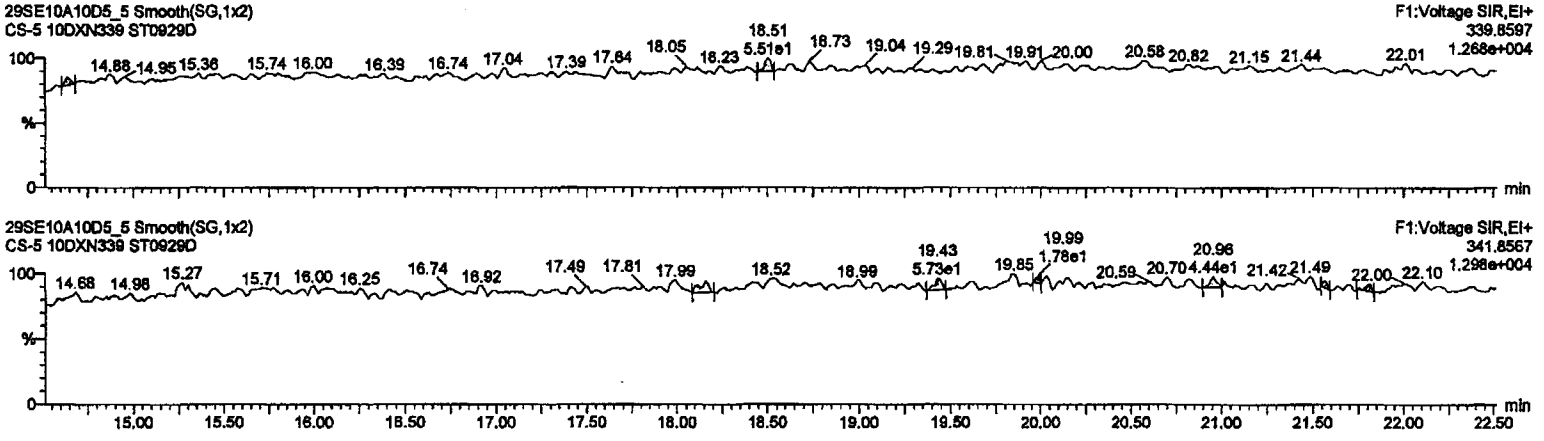
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

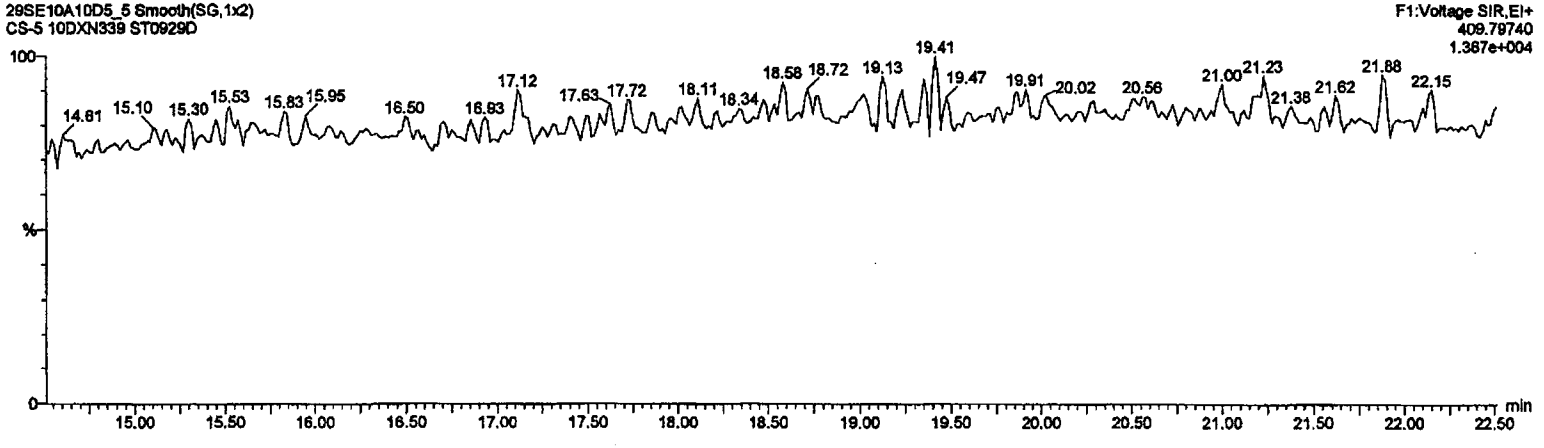
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

F1 PeCDFs



F1 PeCDF PCDPE



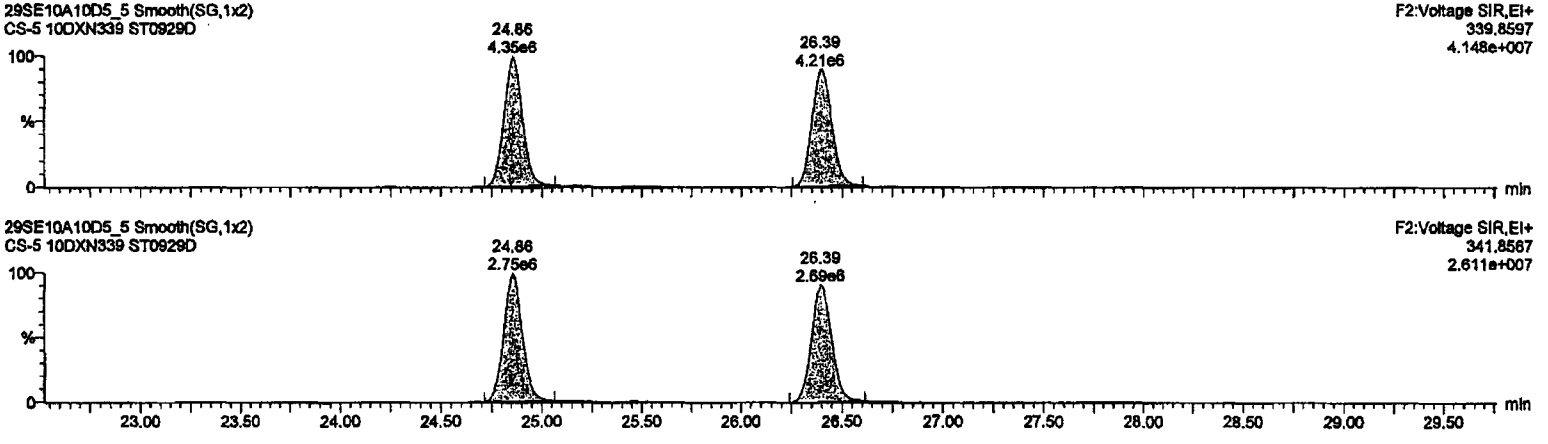
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

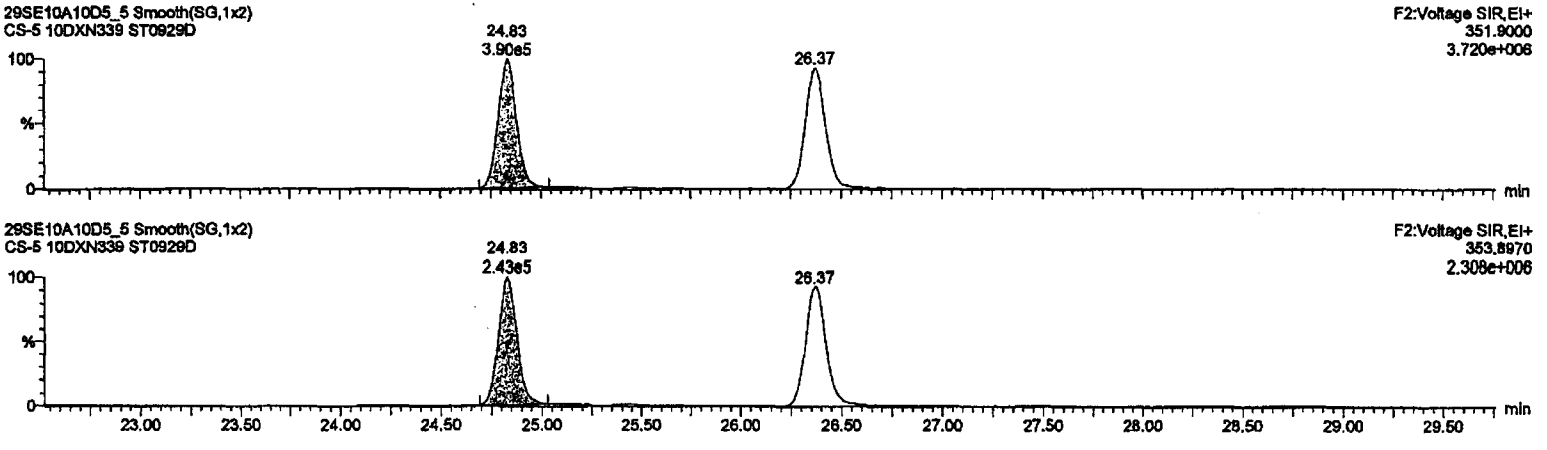
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

PeCDFs



13C-PeCDFs



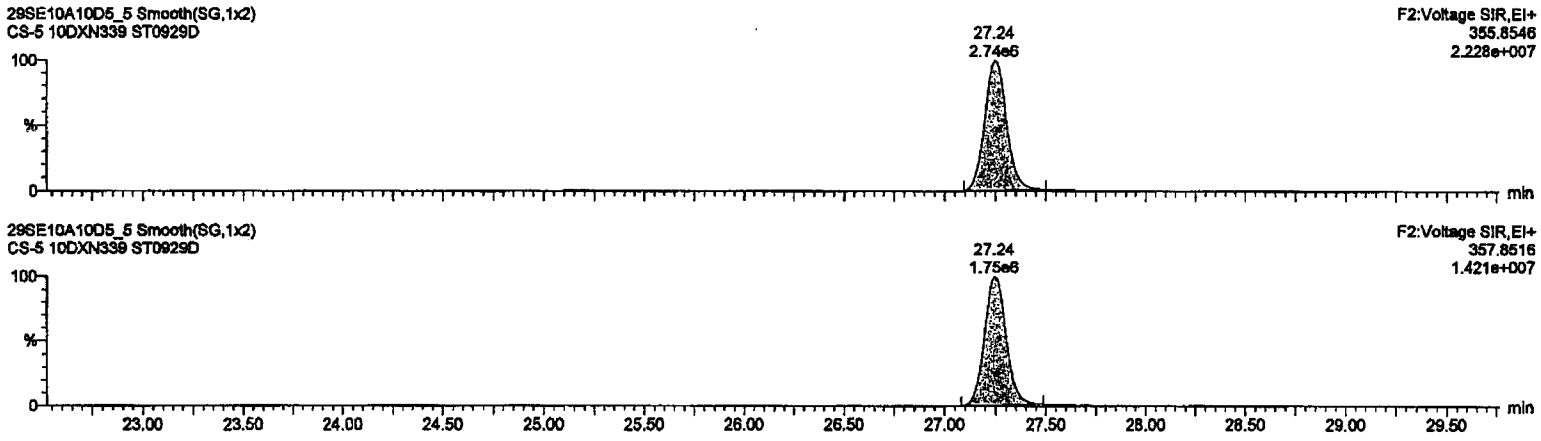
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

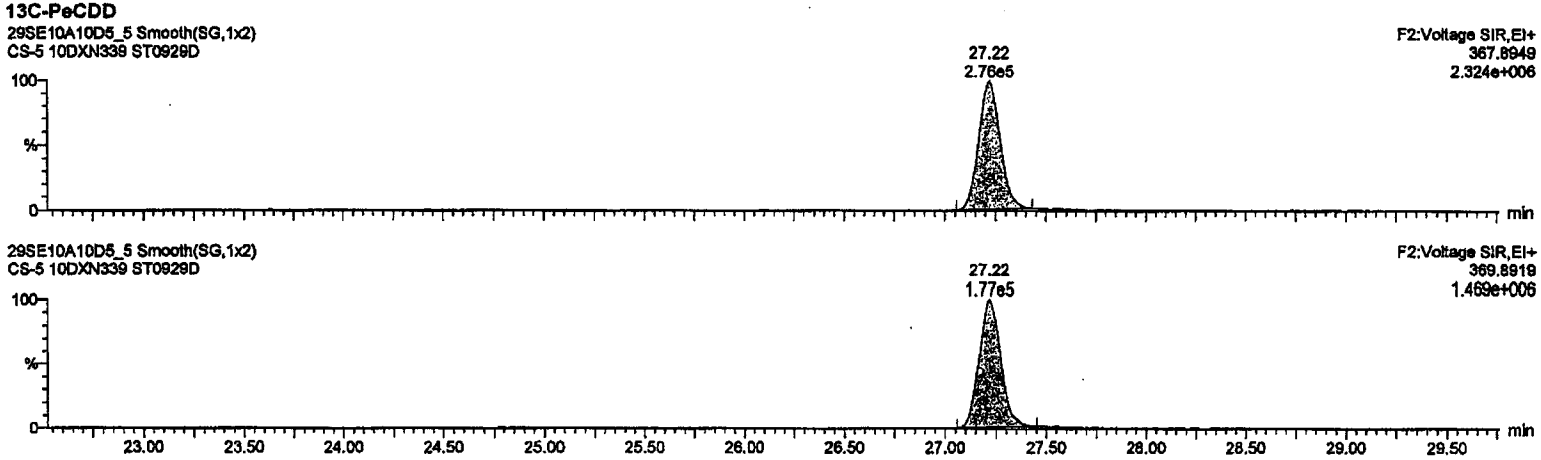
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

PeCDDs



13C-PeCDD



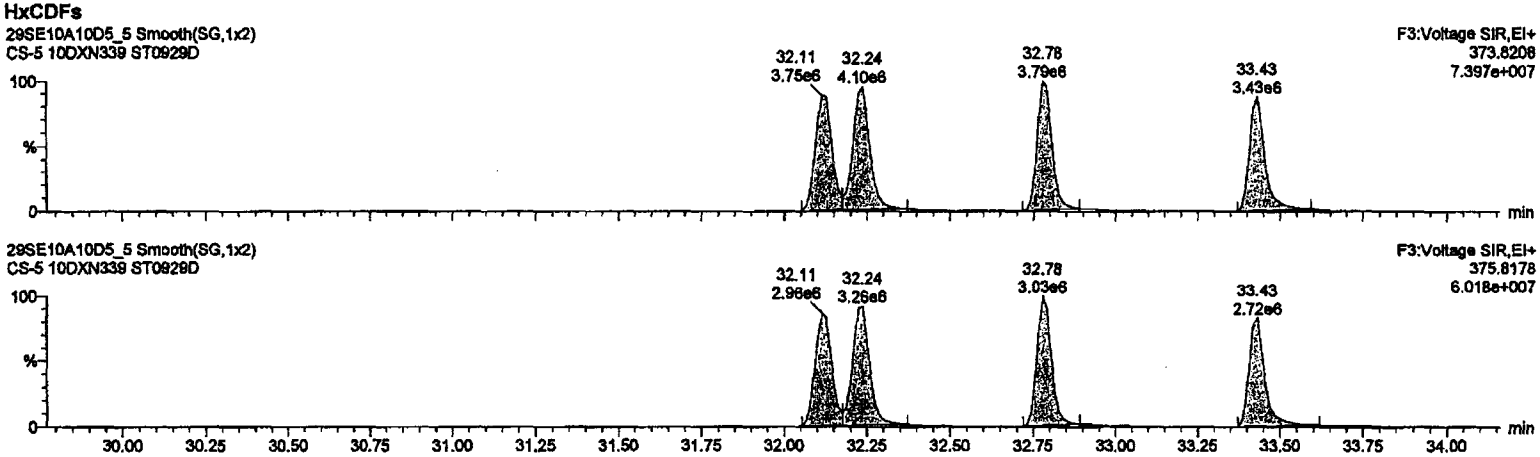
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

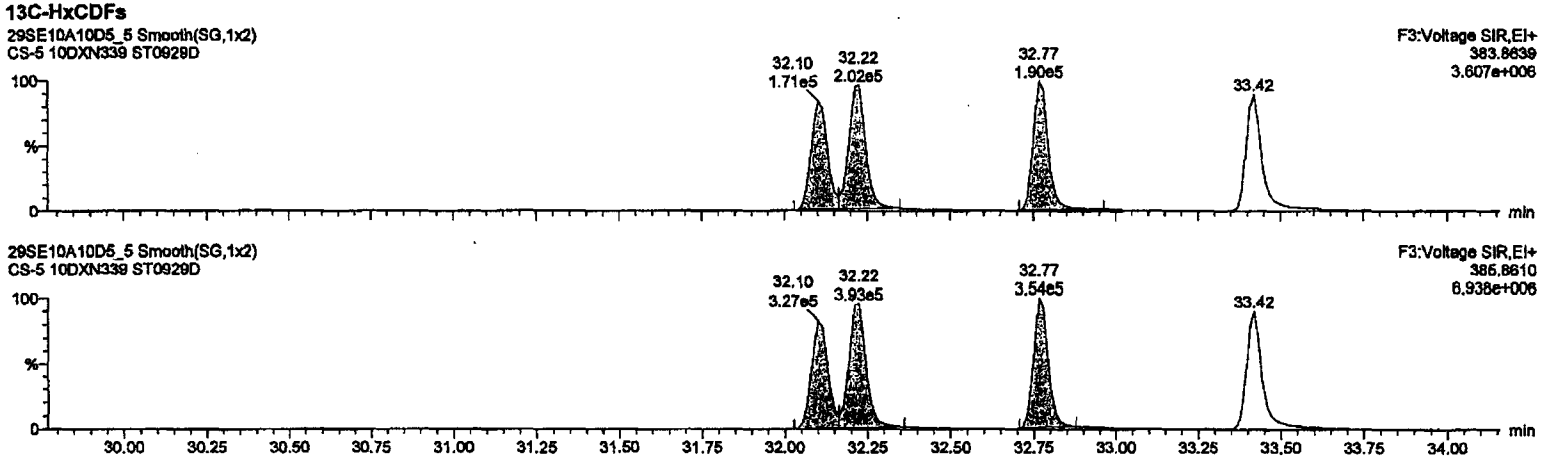
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

HxCDFs



13C-HxCDFs



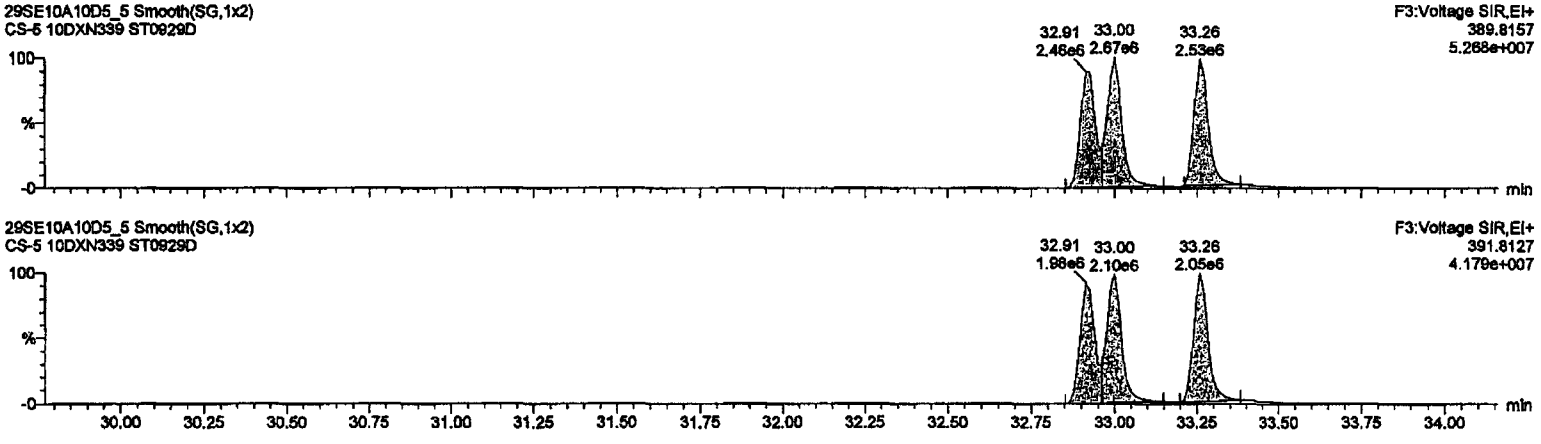
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

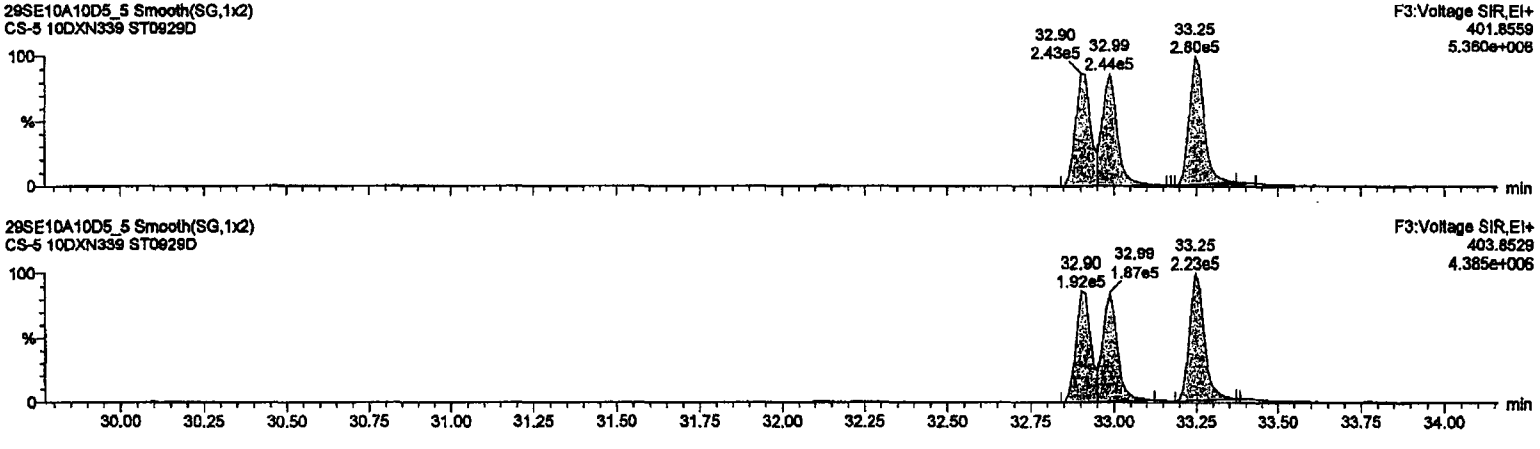
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

HxCDDs



13C-1,2,3,6,7,8-HxCDD



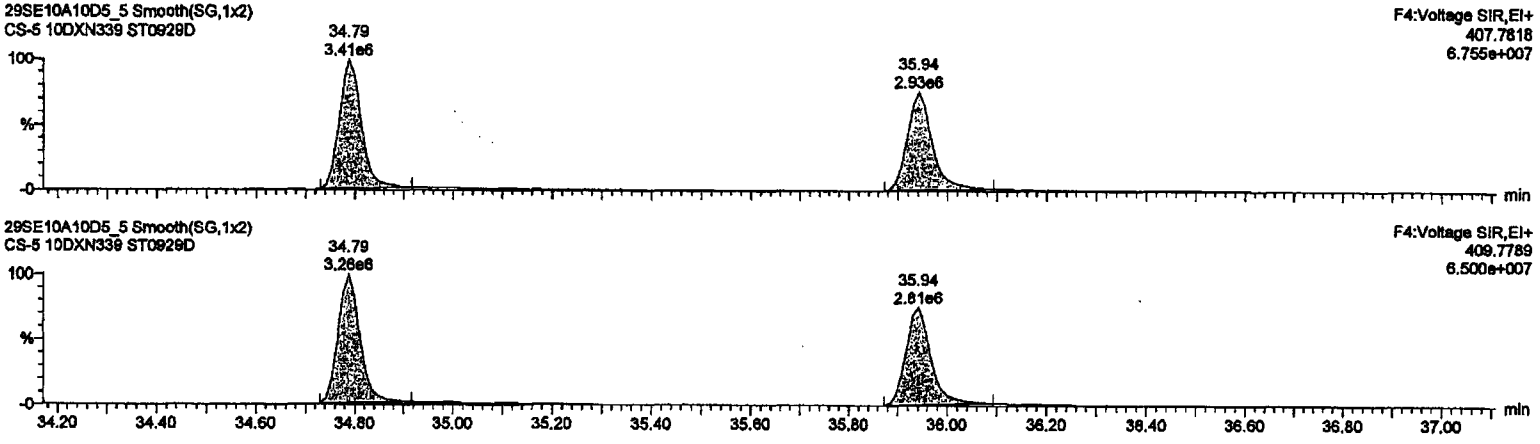
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

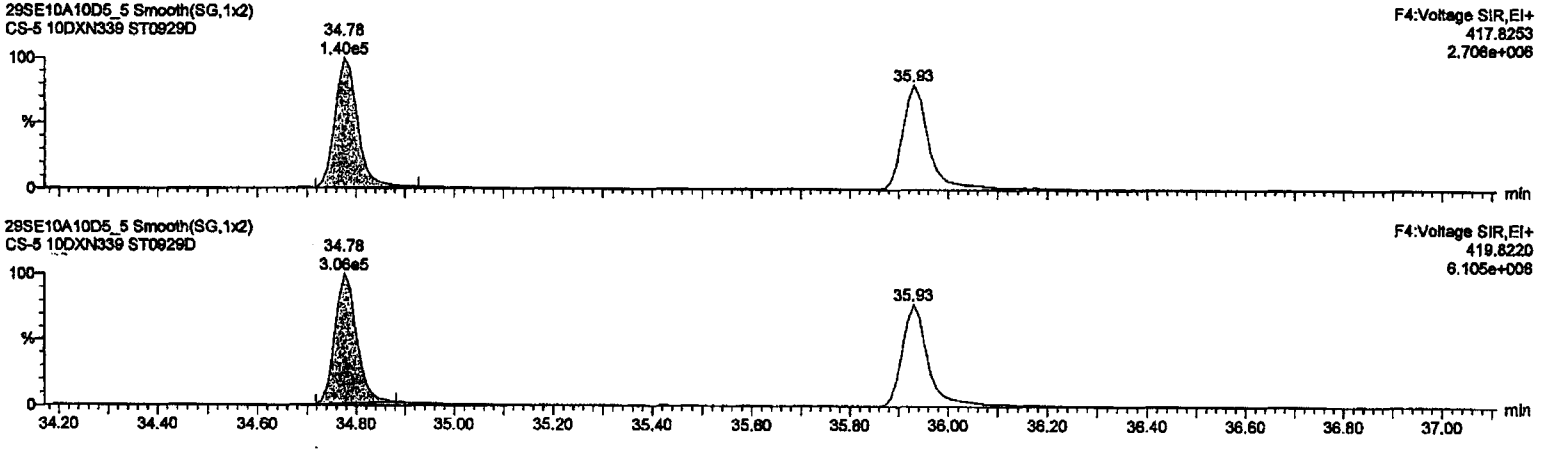
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

HpCDFs



13C-HpCDFs



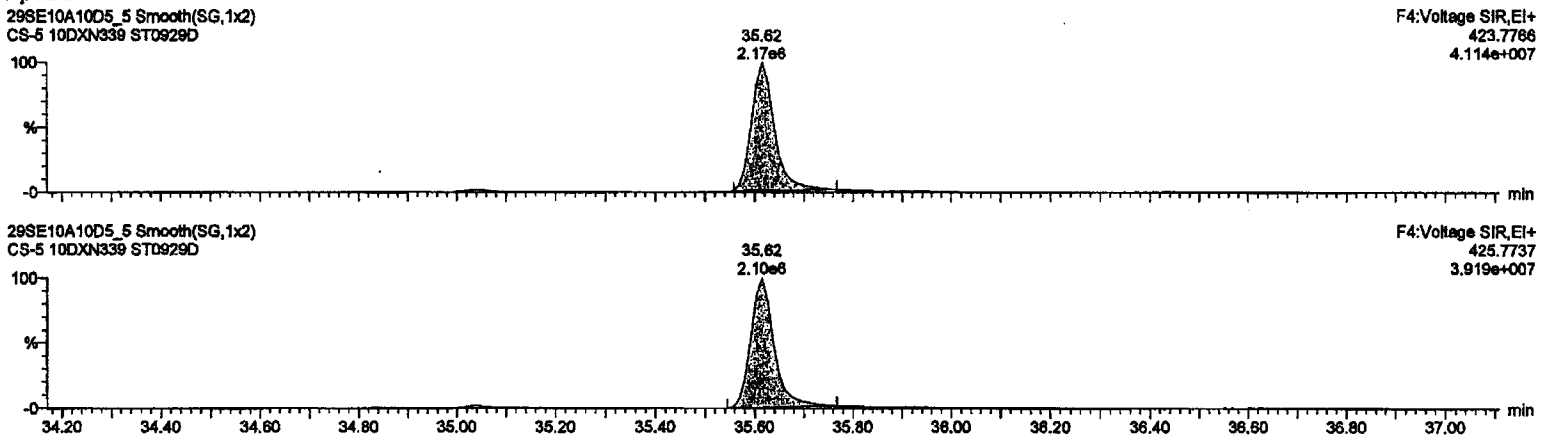
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

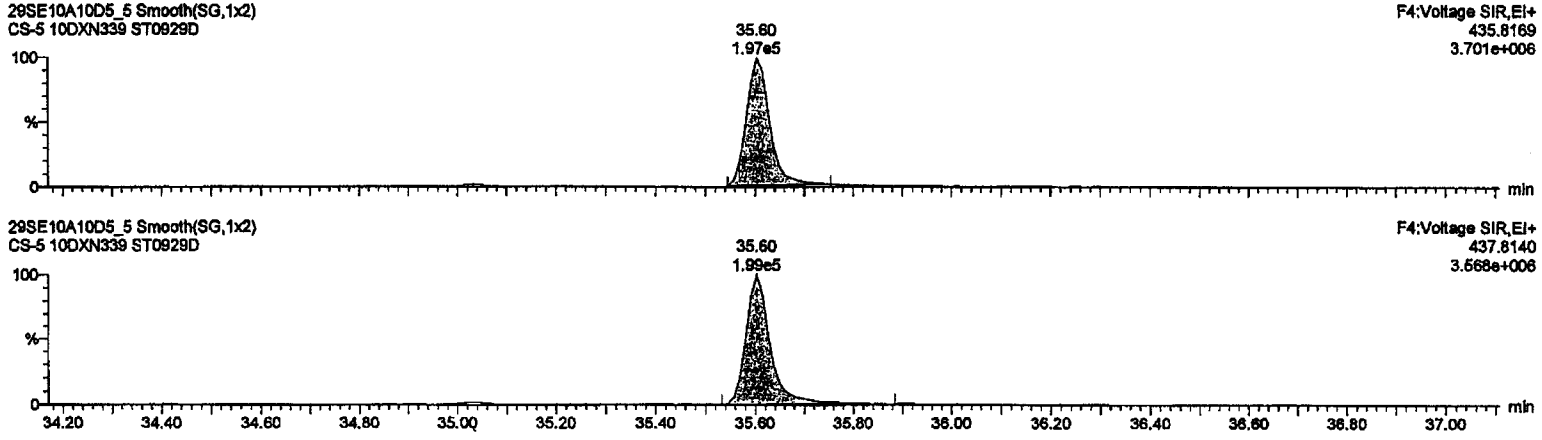
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



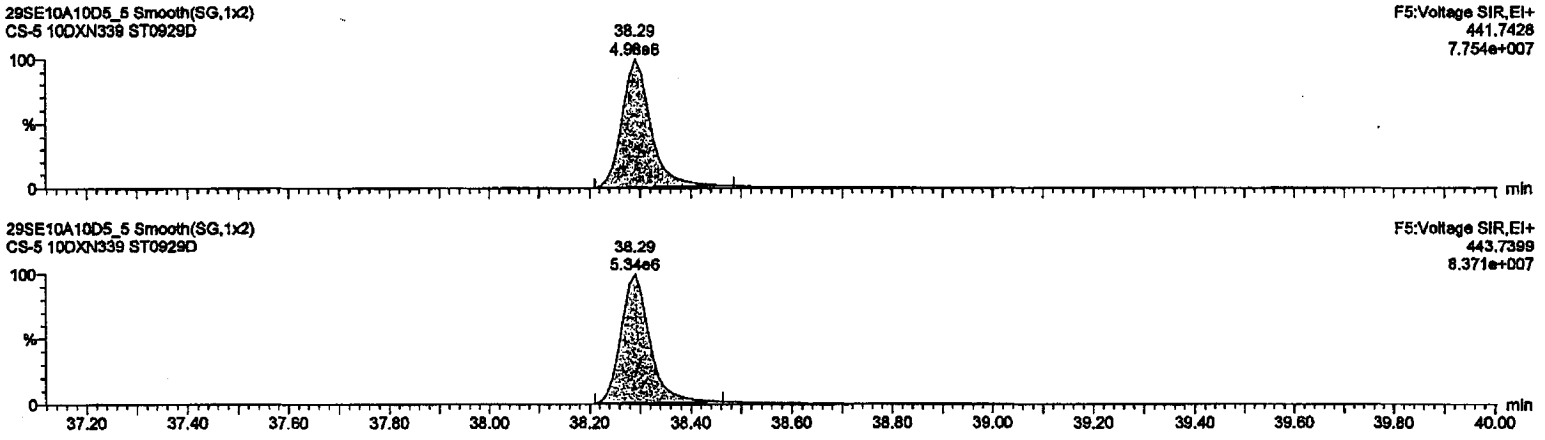
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\CA09291010D58290.qld

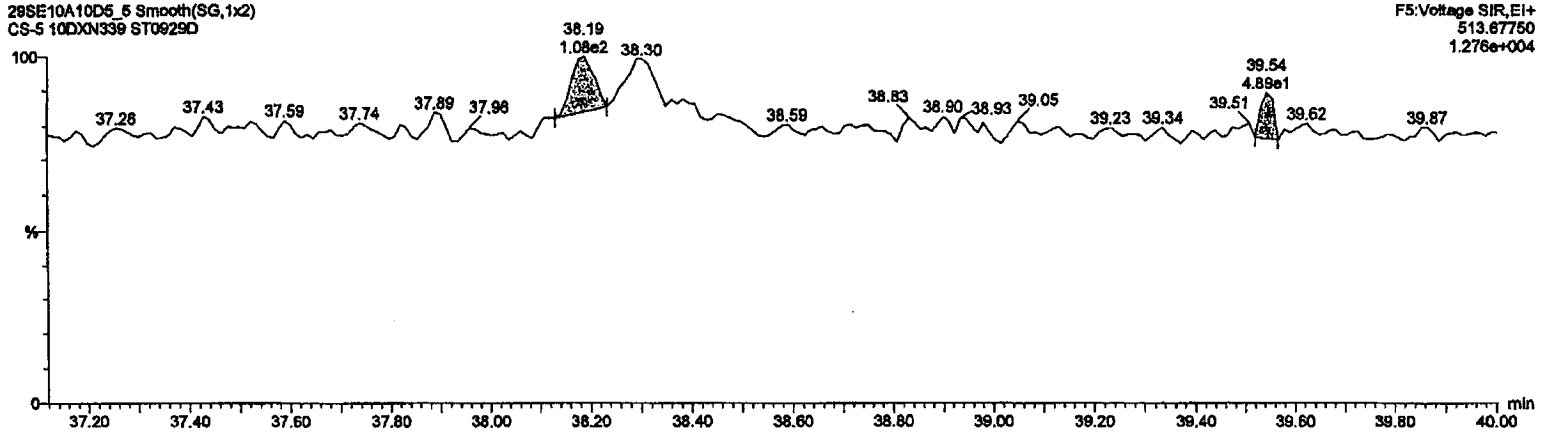
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

OCDFs



OCDF PCDPE



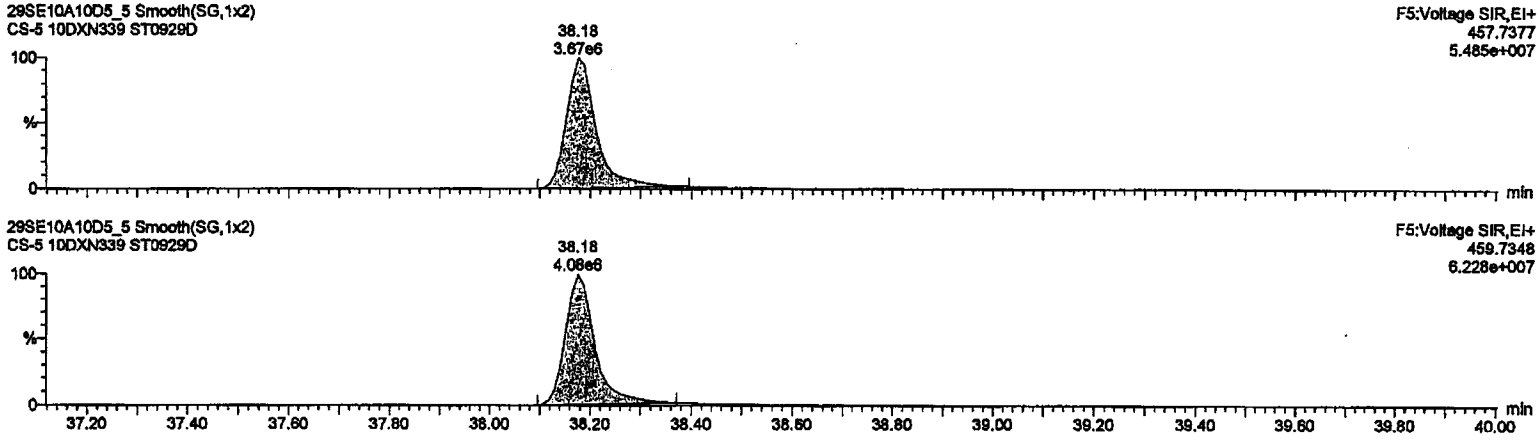
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

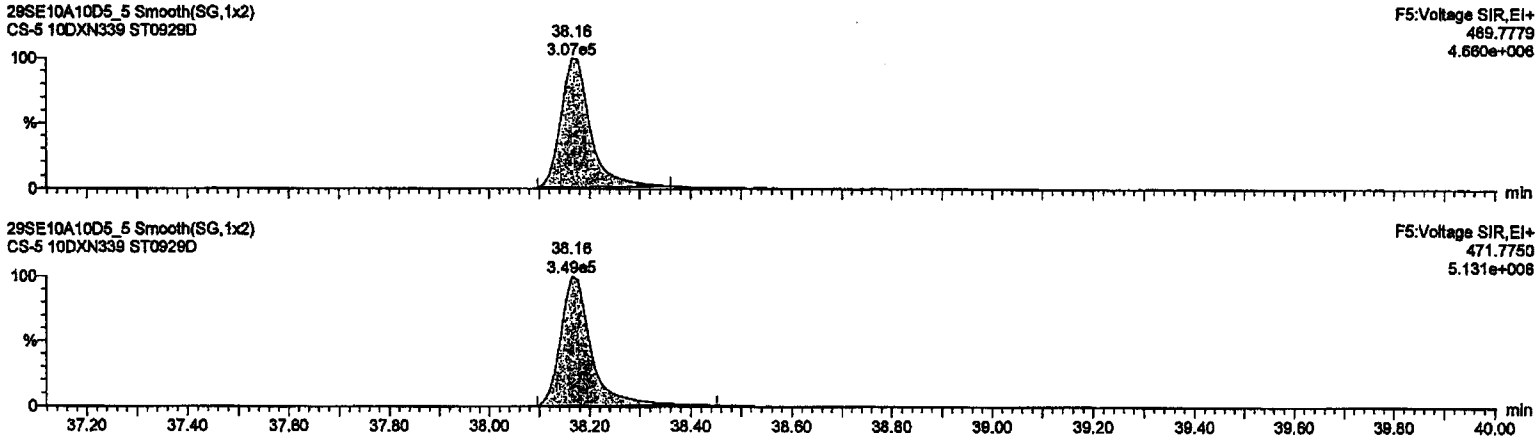
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

OCDD



13C-OCDD



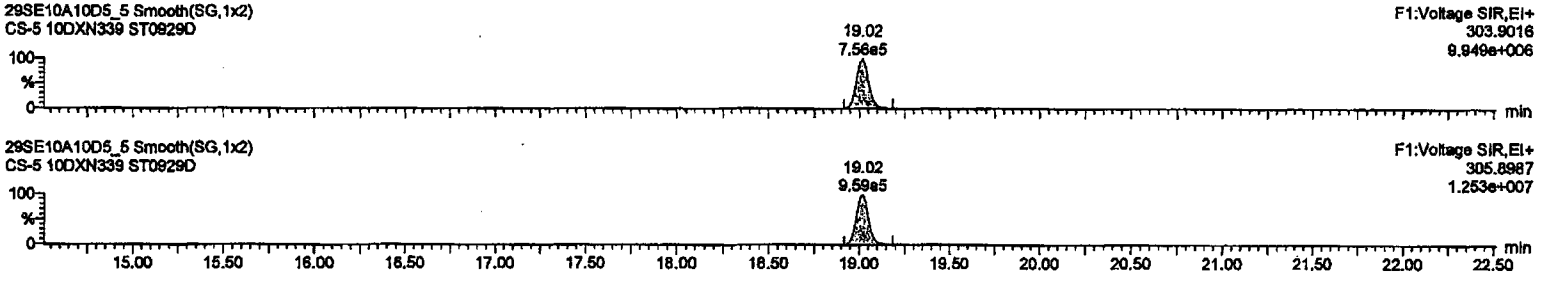
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qid

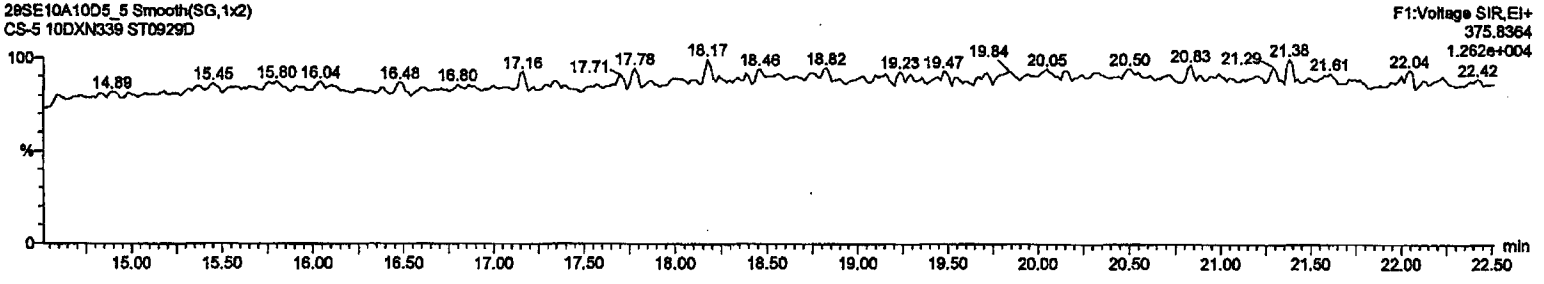
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

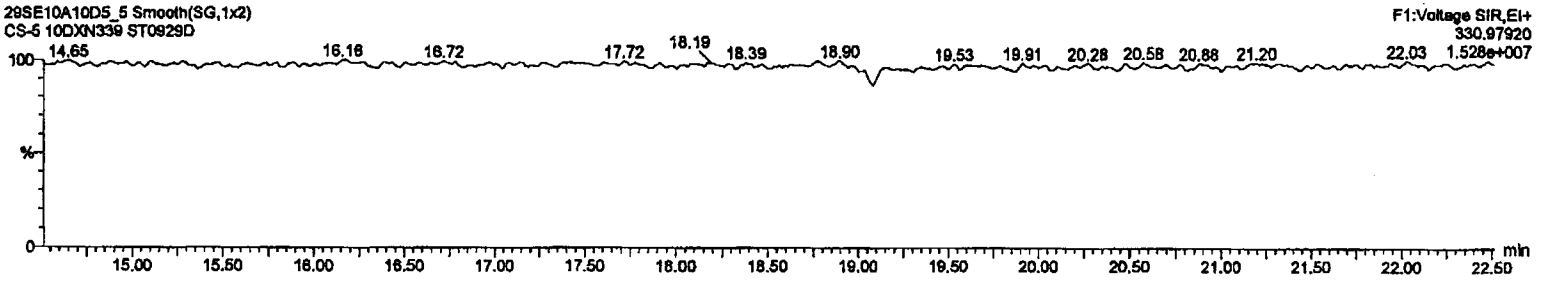
TCDFs



TCDF PCDPE



Function 1 PFK



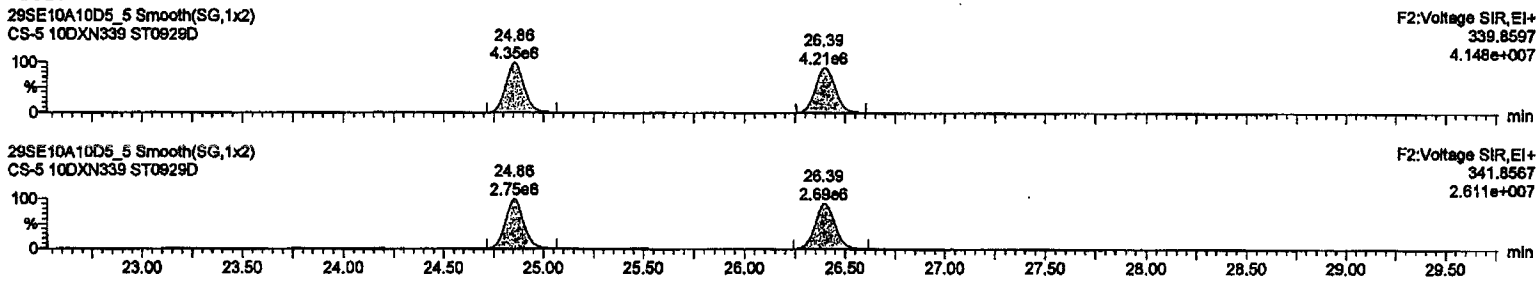
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

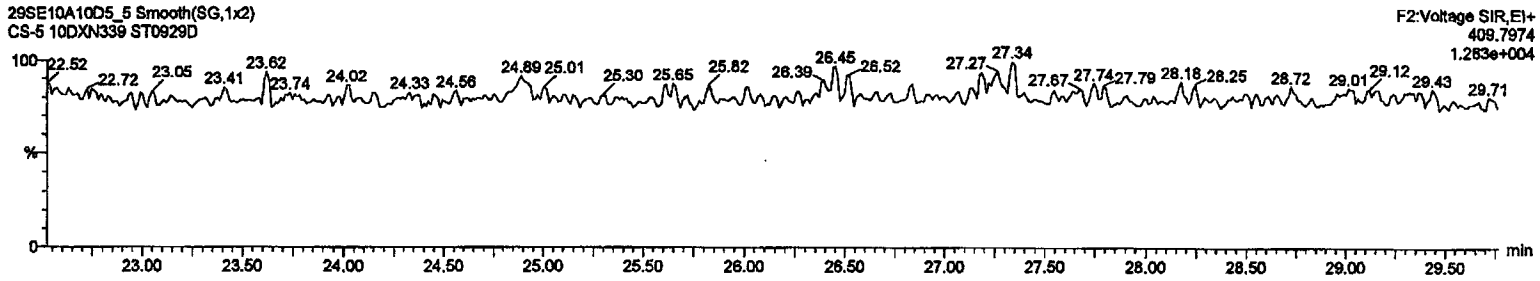
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

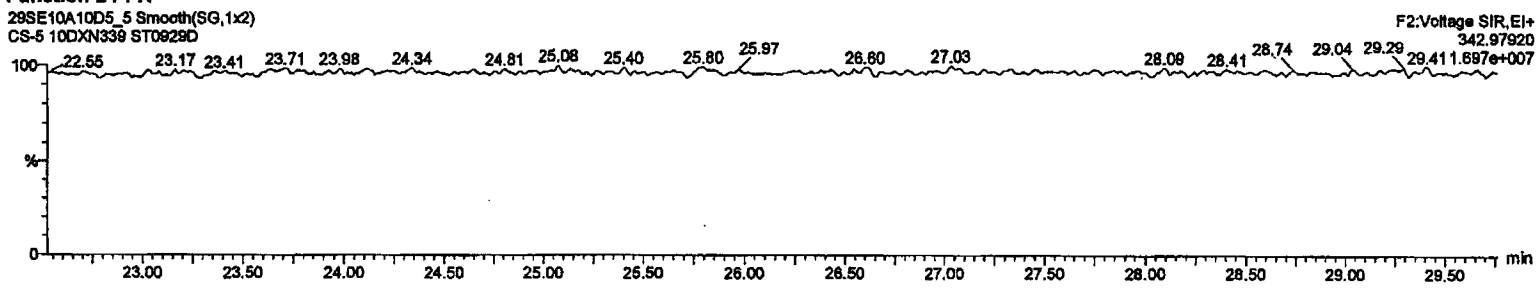
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



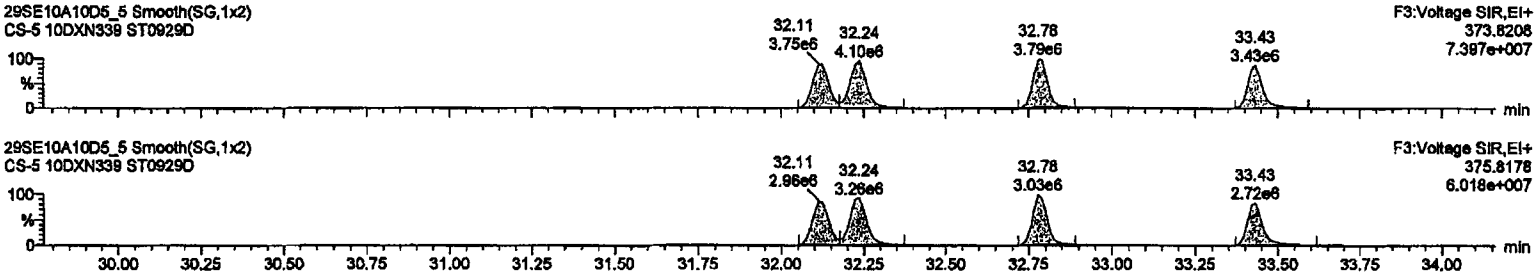
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

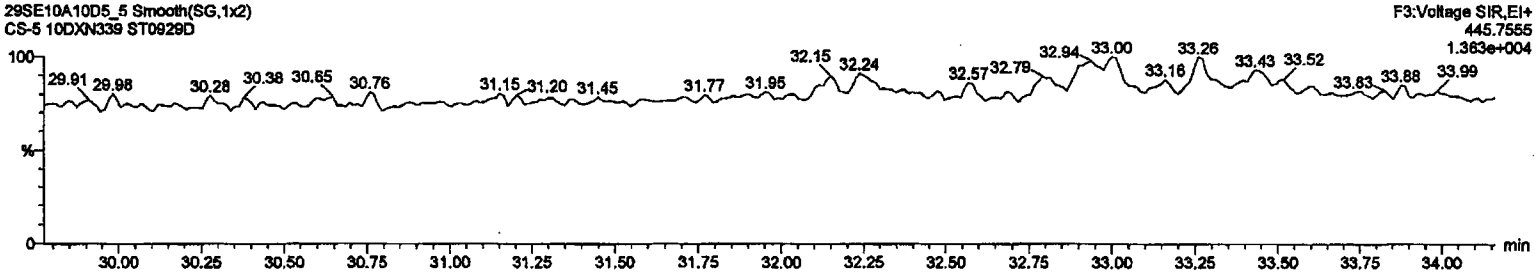
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

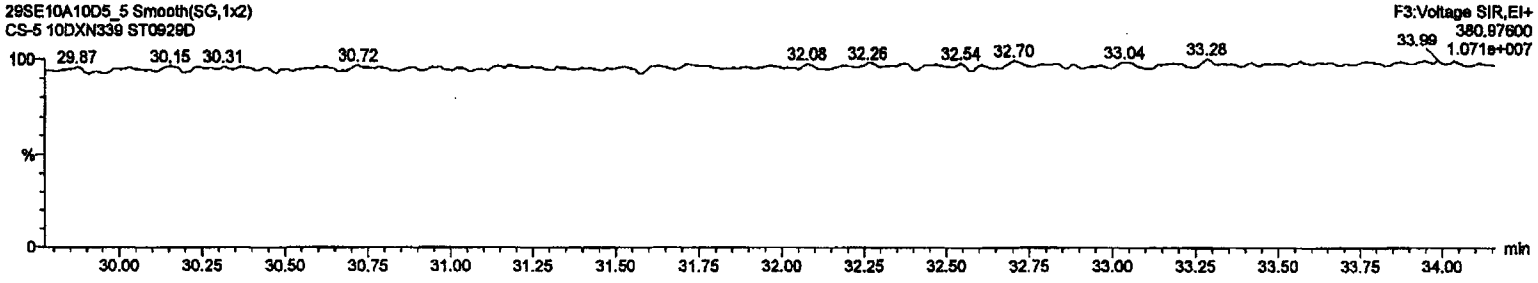
HxCDFs



HxCDF PCDPE



Function 3 PFK



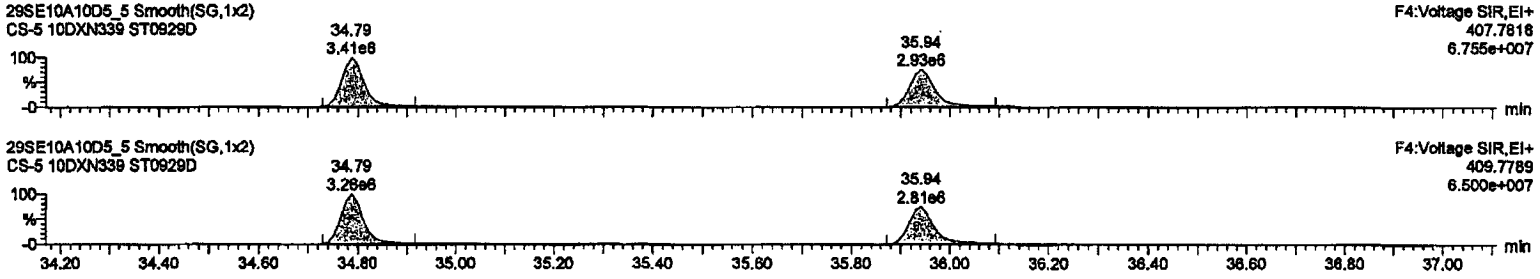
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

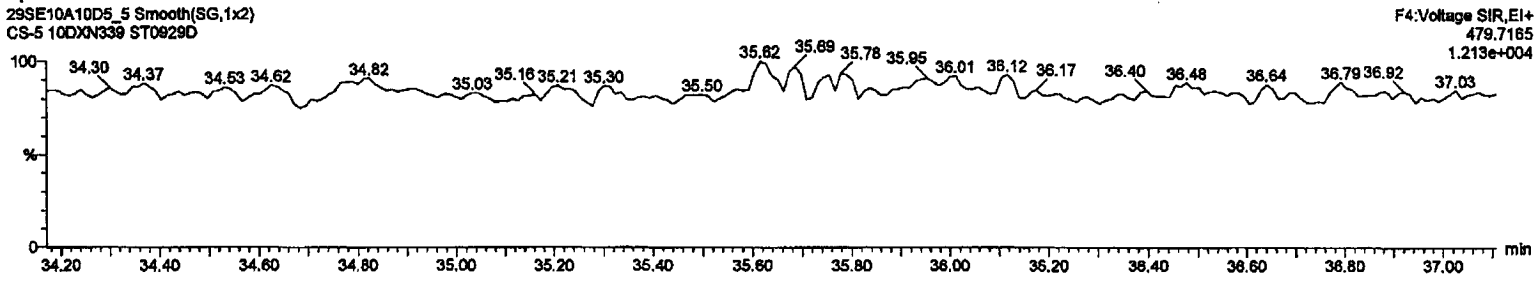
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

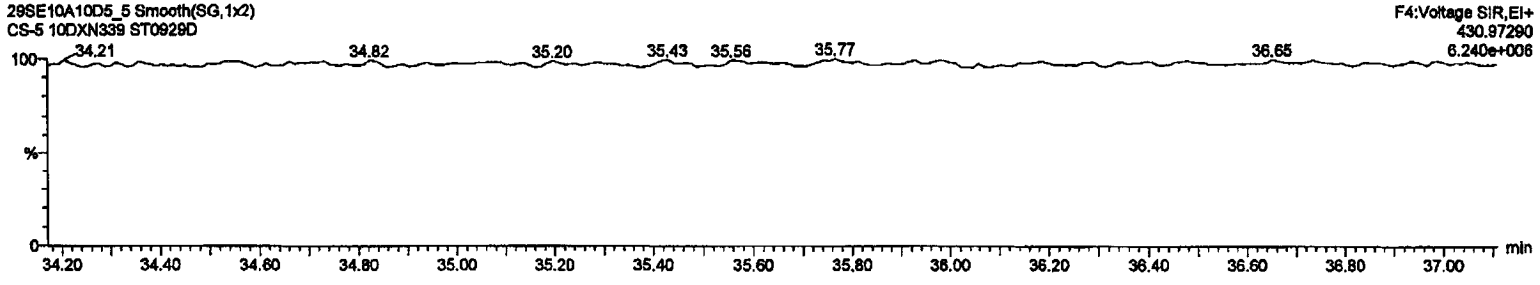
HpCDFs



HpCDF PCDPE



Function 4 PFK



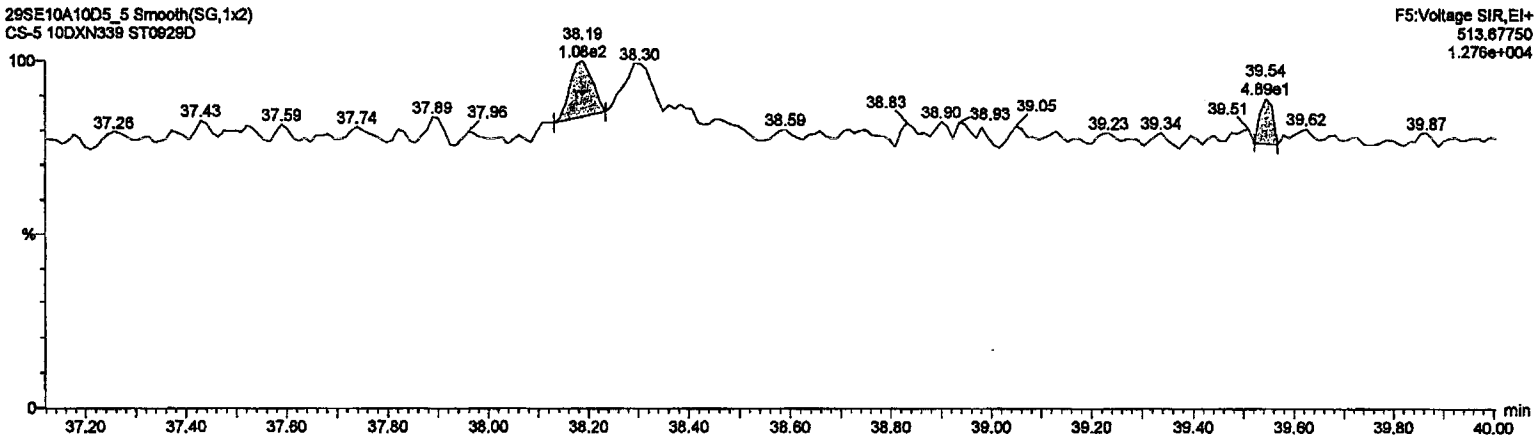
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA09291010D58290.qld

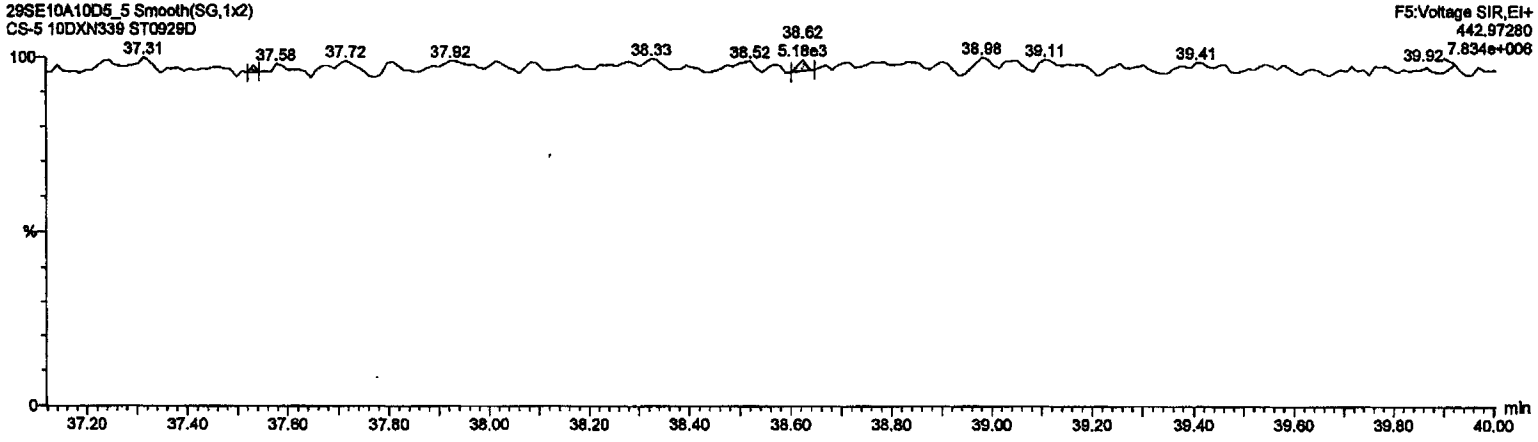
Last Altered: Thursday, September 30, 2010 10:11:18 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:12:11 Pacific Daylight Time

Name: 29SE10A10D5_5, Date: 29-Sep-2010, Time: 21:39:19, ID: ST0929D, Description: CS-5 10DXN339

OCDF PCDPE



Function 5 PFK



Quantify Sample Report **MassLynx 4.1**

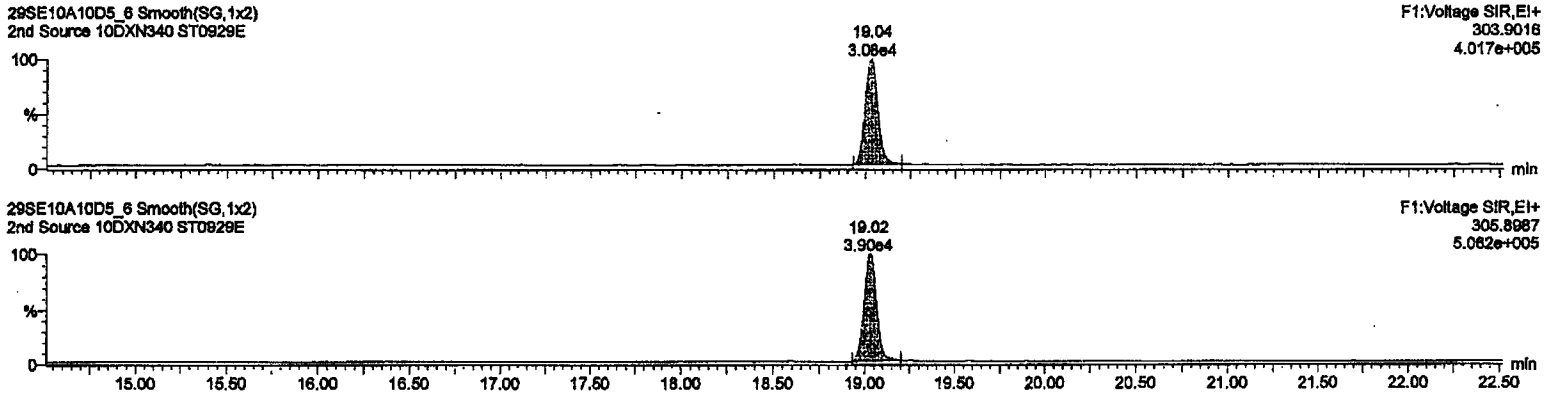
Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

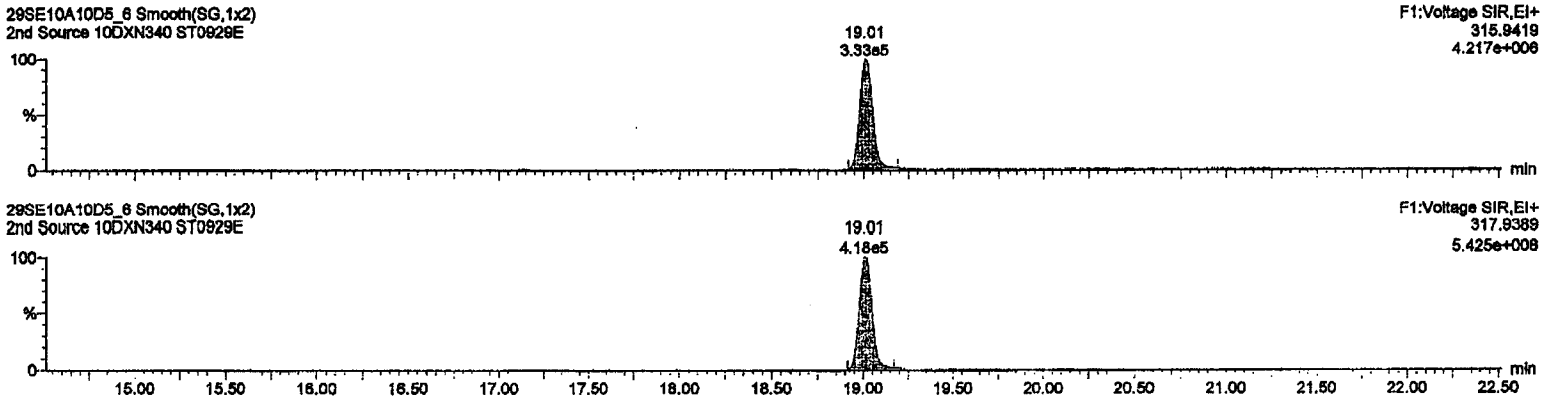
Method: C:\MassLynx\Default.pro\Methdb\161310D5.mdb 29 Sep 2010 14:36:48
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA09291010D51613.cdb 30 Sep 2010 10:19:34

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

TCDFs



13C-TCDF



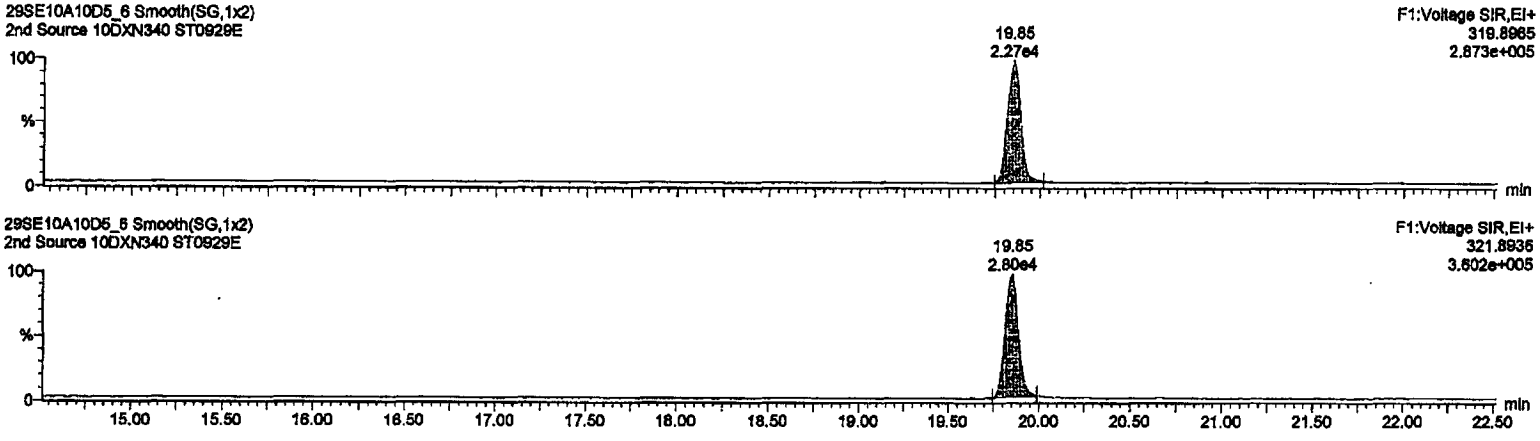
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

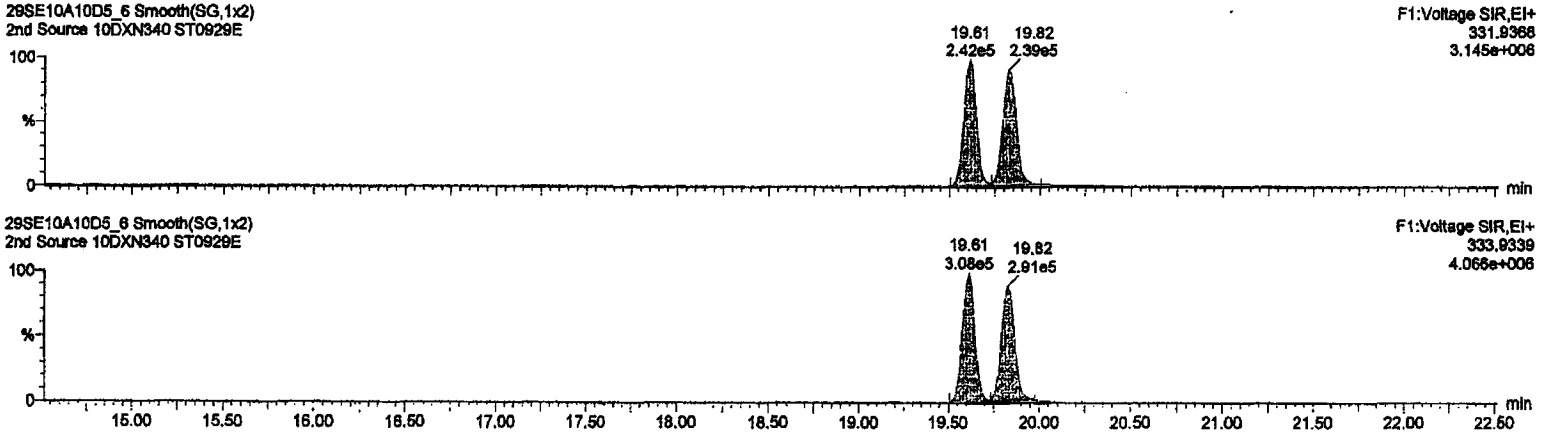
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

TCDDs



13C-TCDDs



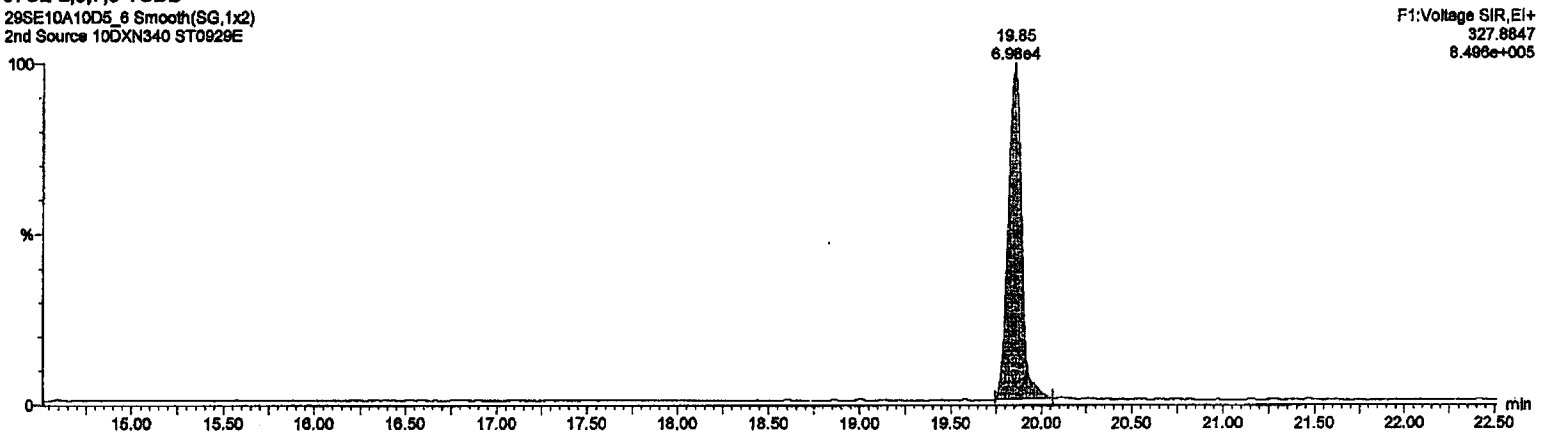
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

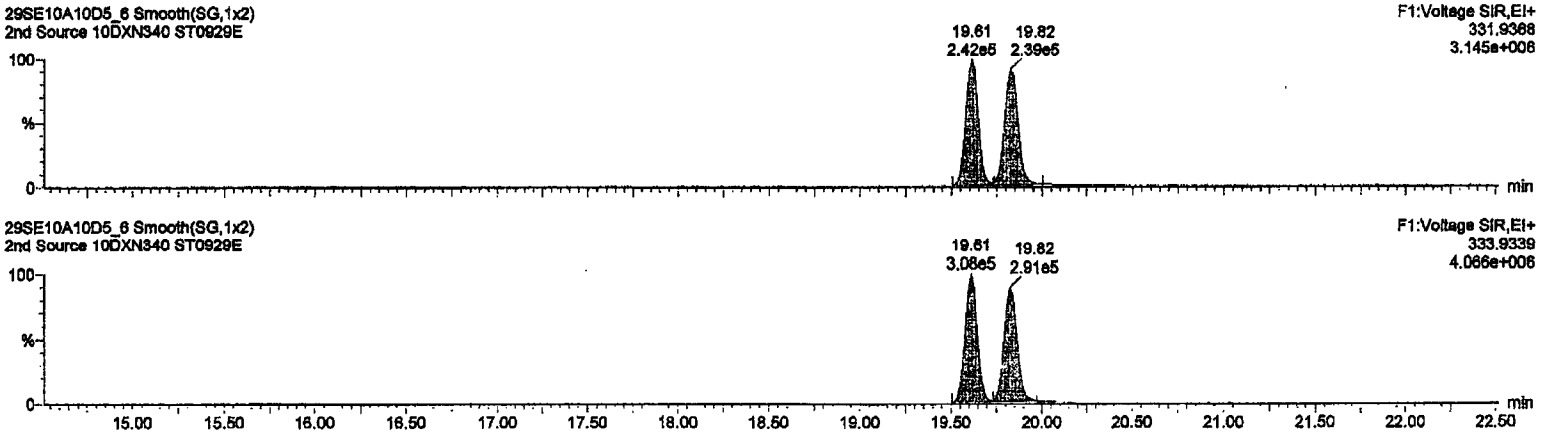
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

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



13C-TCDDs



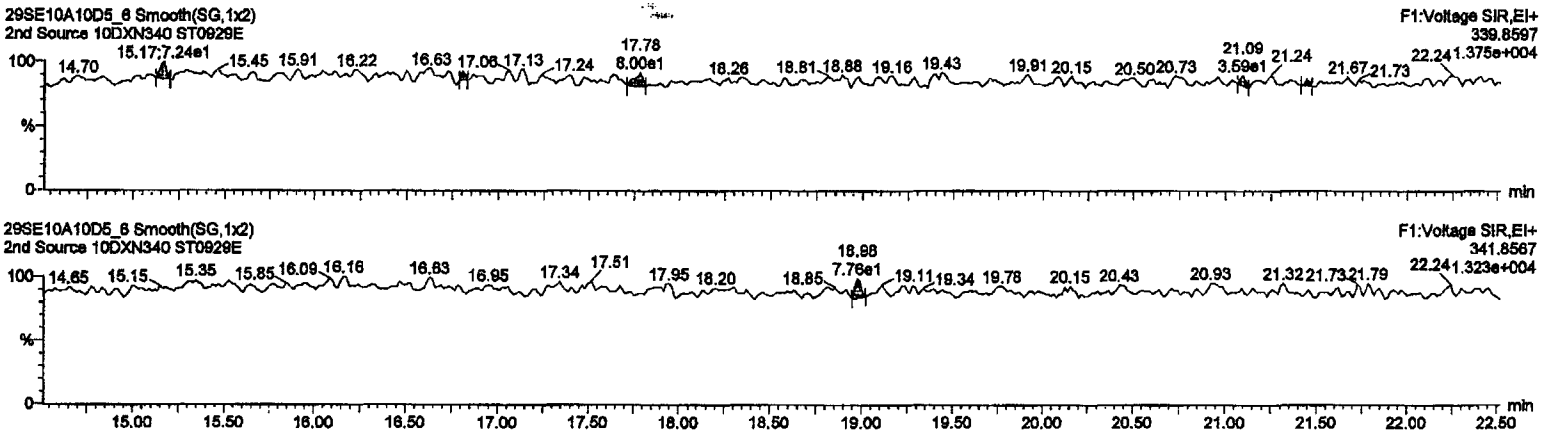
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

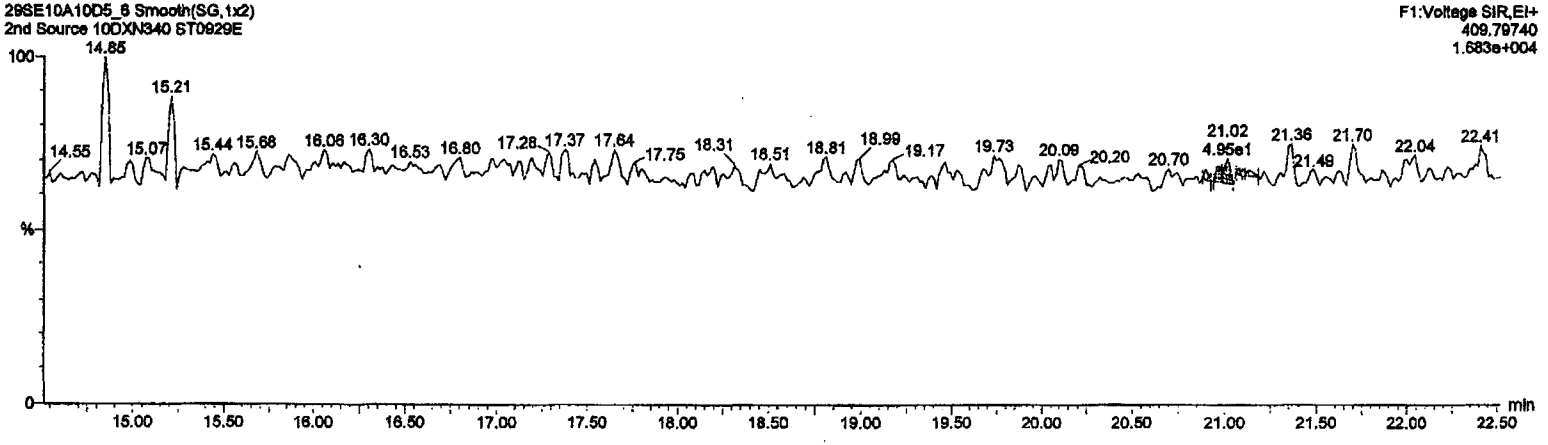
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

F1 PeCDFs



F1 PeCDF PCDPE



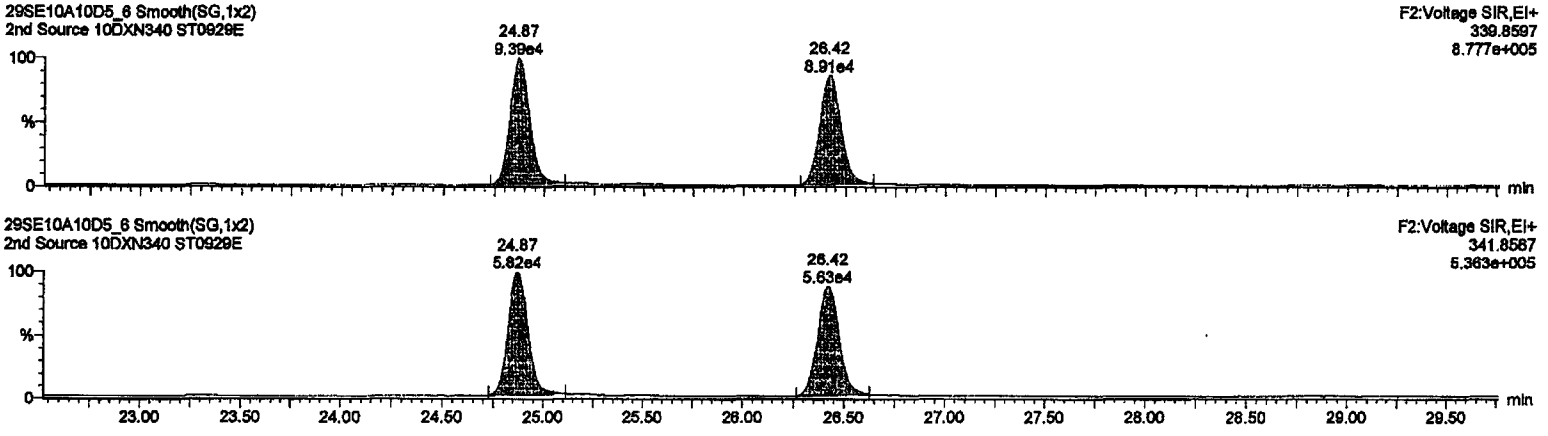
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

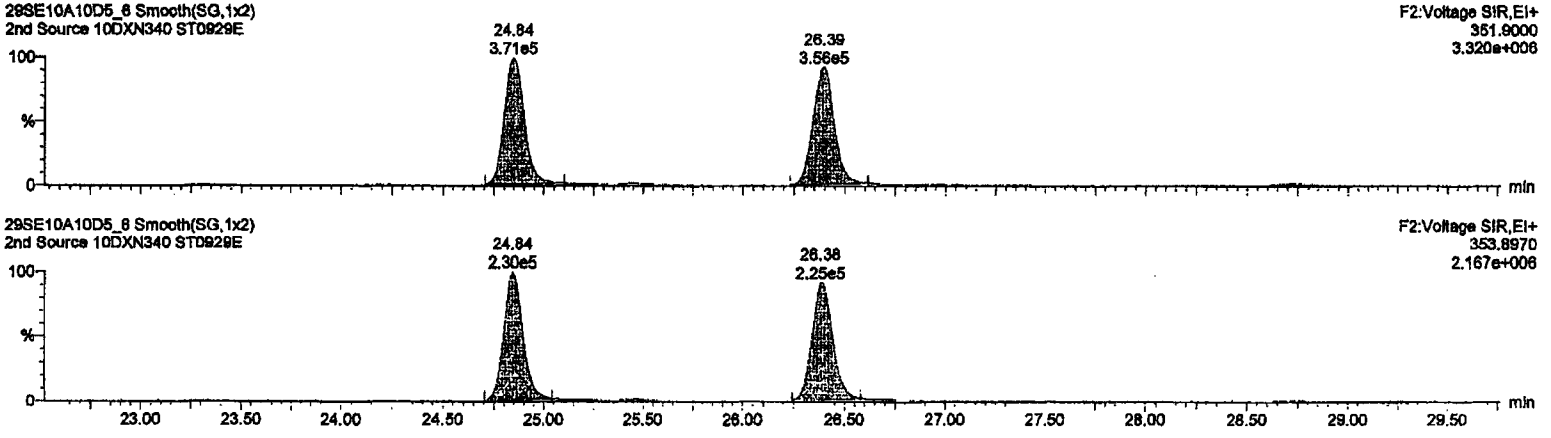
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

PeCDFs



13C-PeCDFs



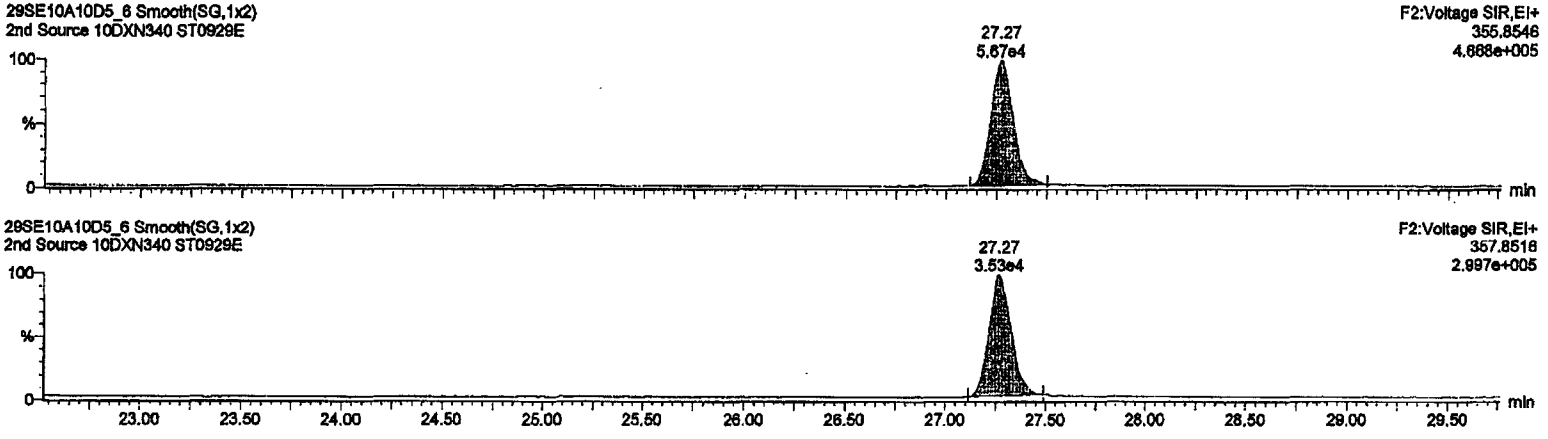
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

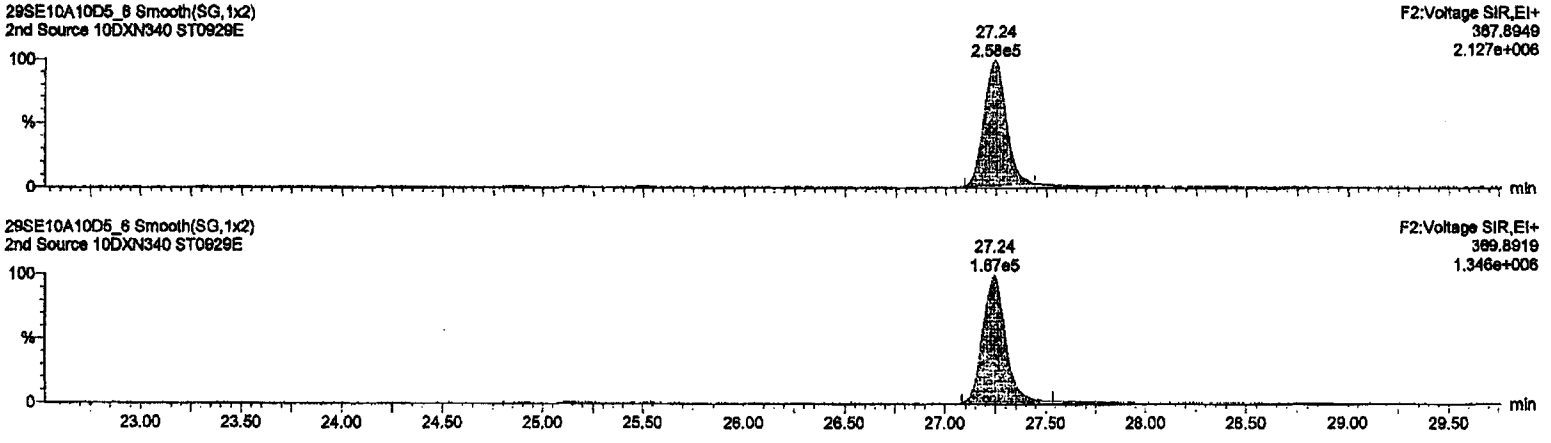
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

PeCDDs



13C-PeCDD



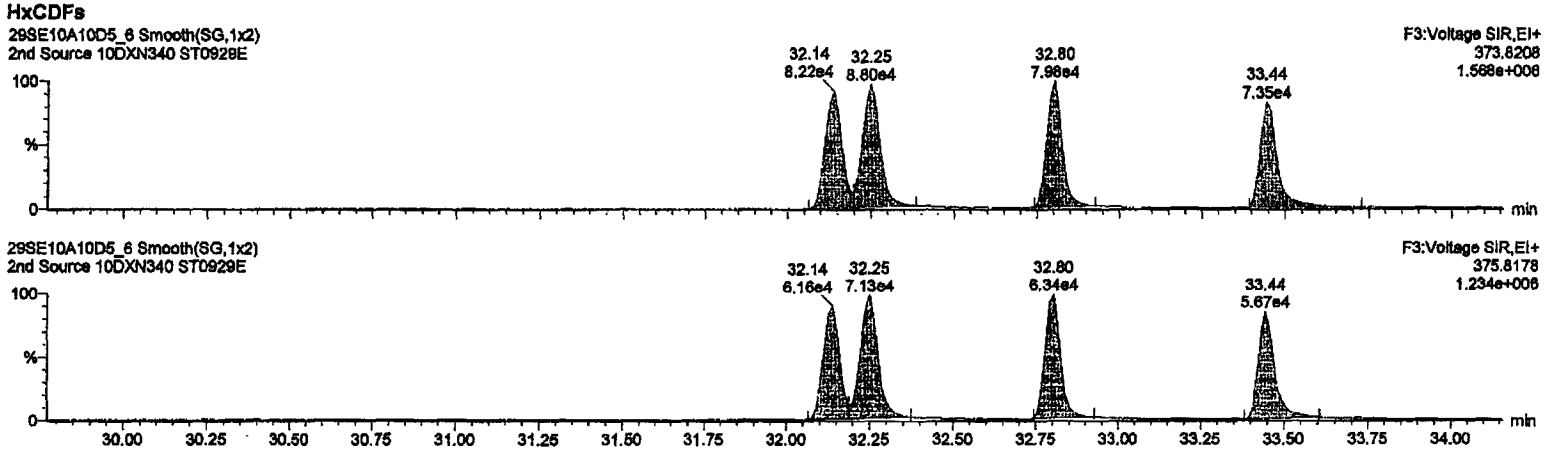
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

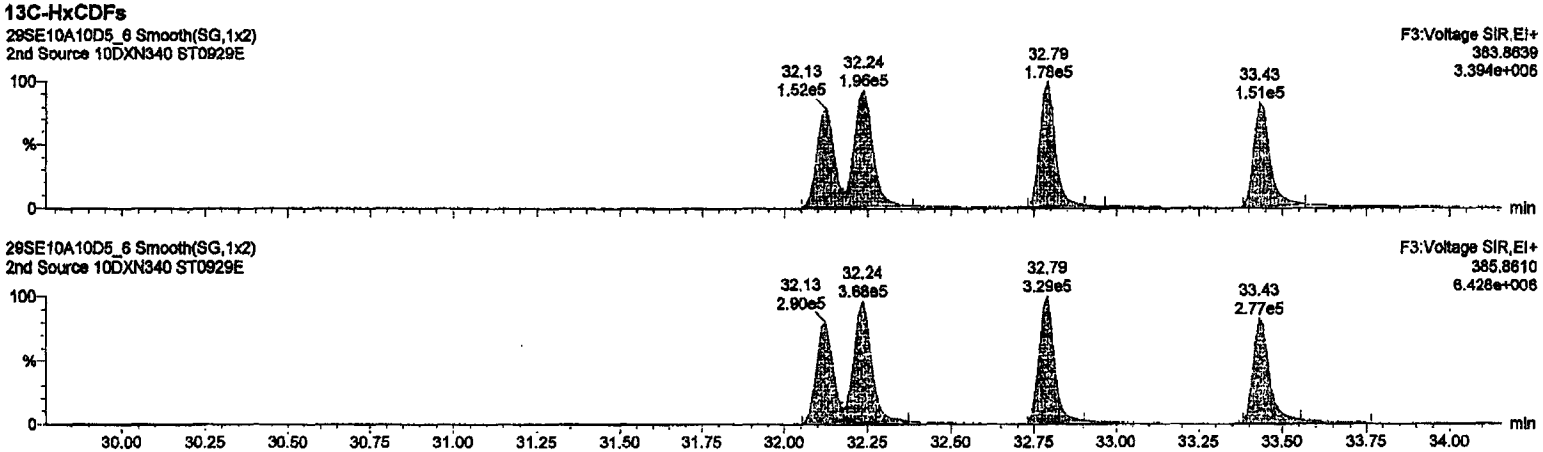
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

HxCDFs



13C-HxCDFs



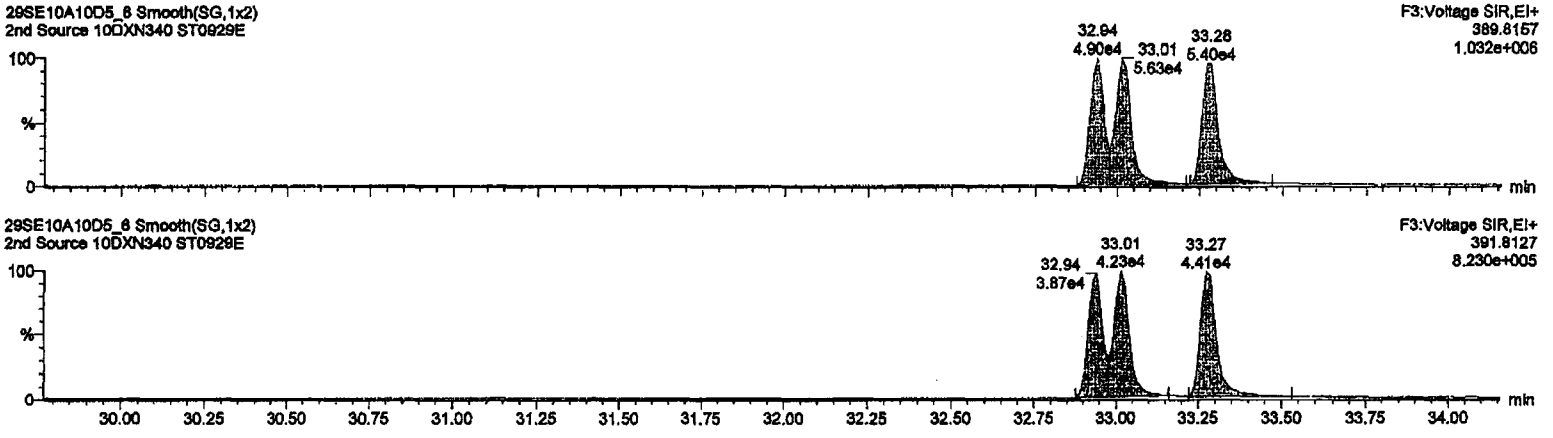
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qid

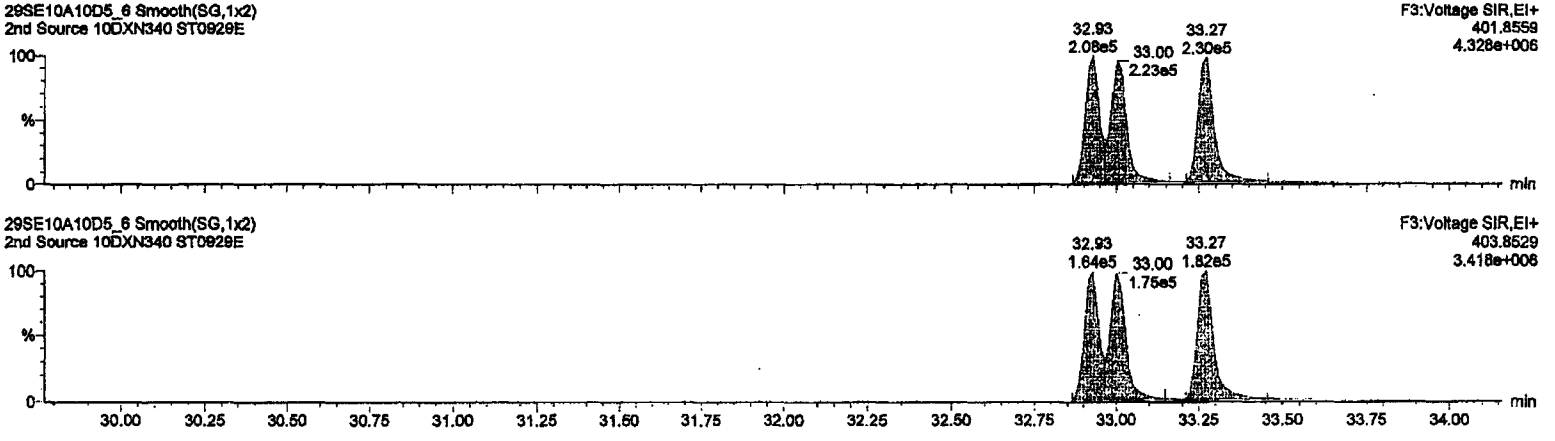
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

HxCDDs



13C-1,2,3,6,7,8-HxCDD



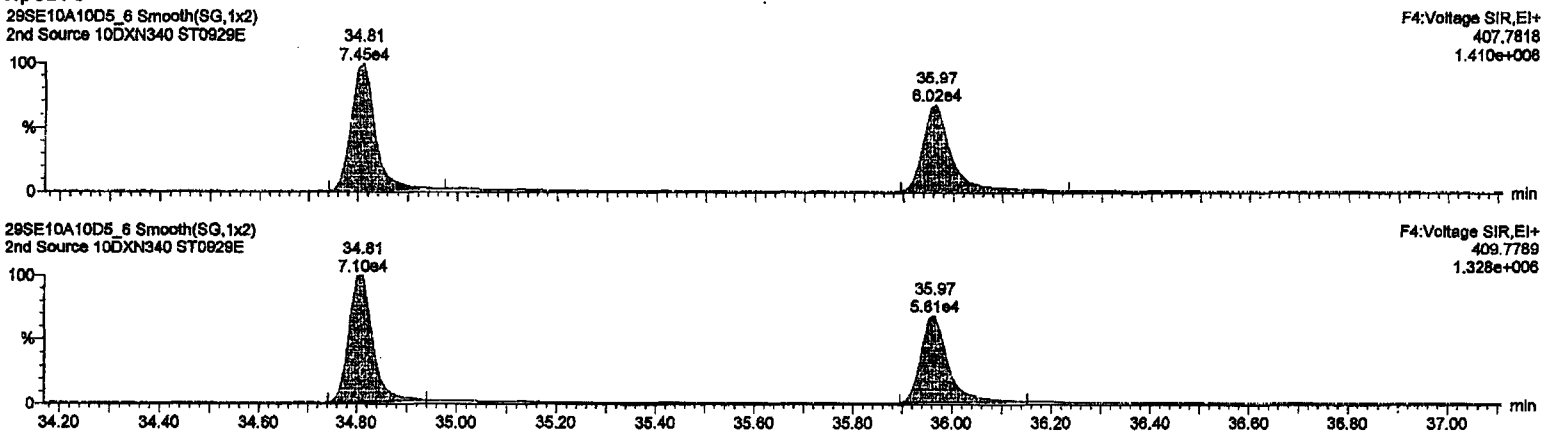
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

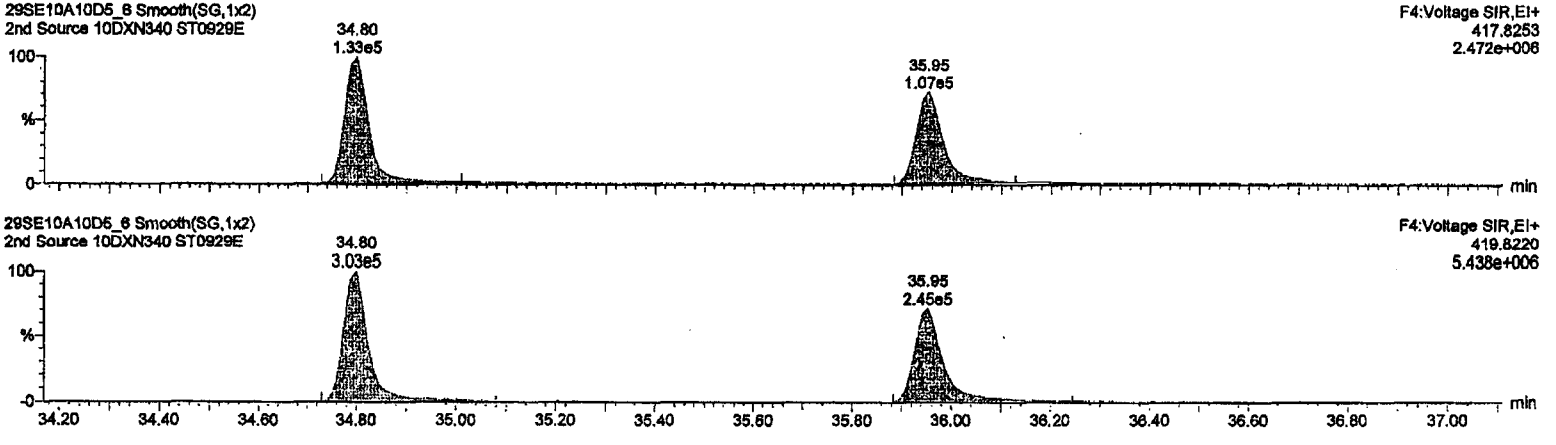
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

HpCDFs



13C-HpCDFs



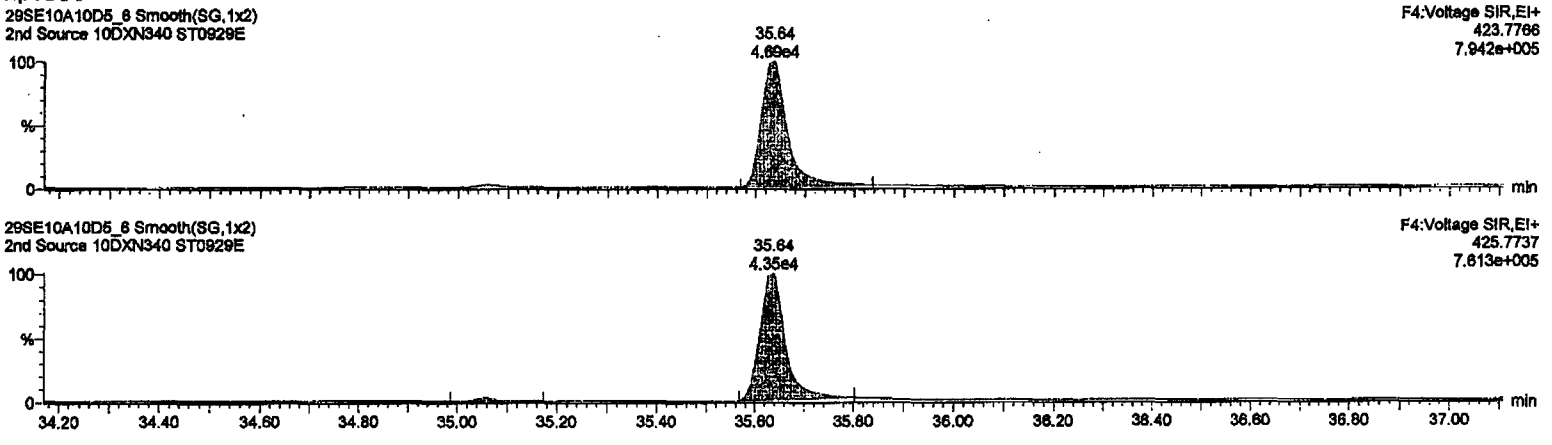
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

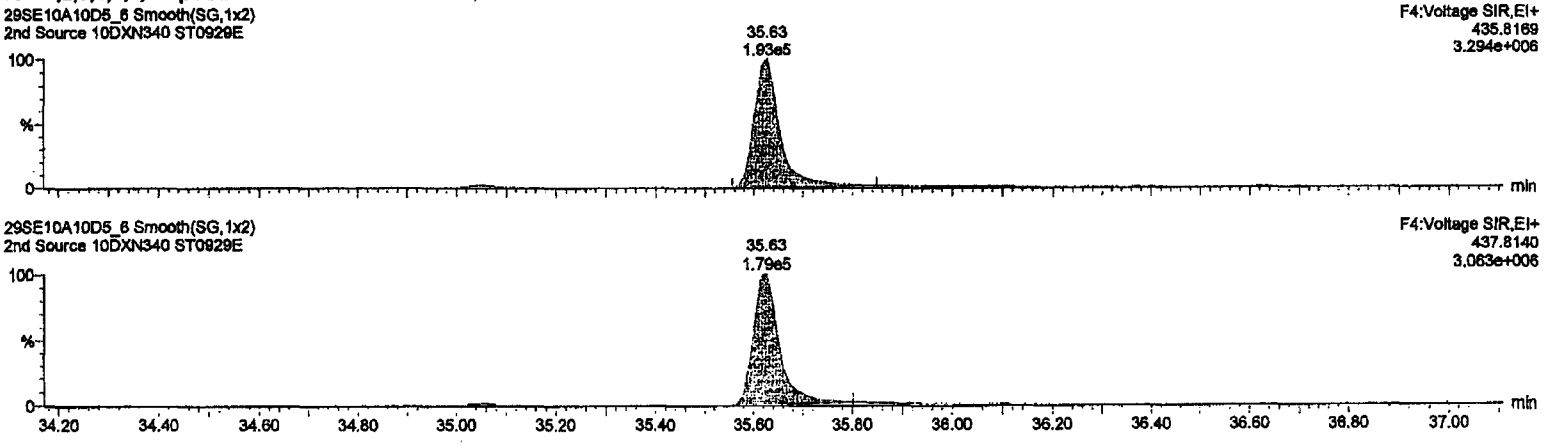
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



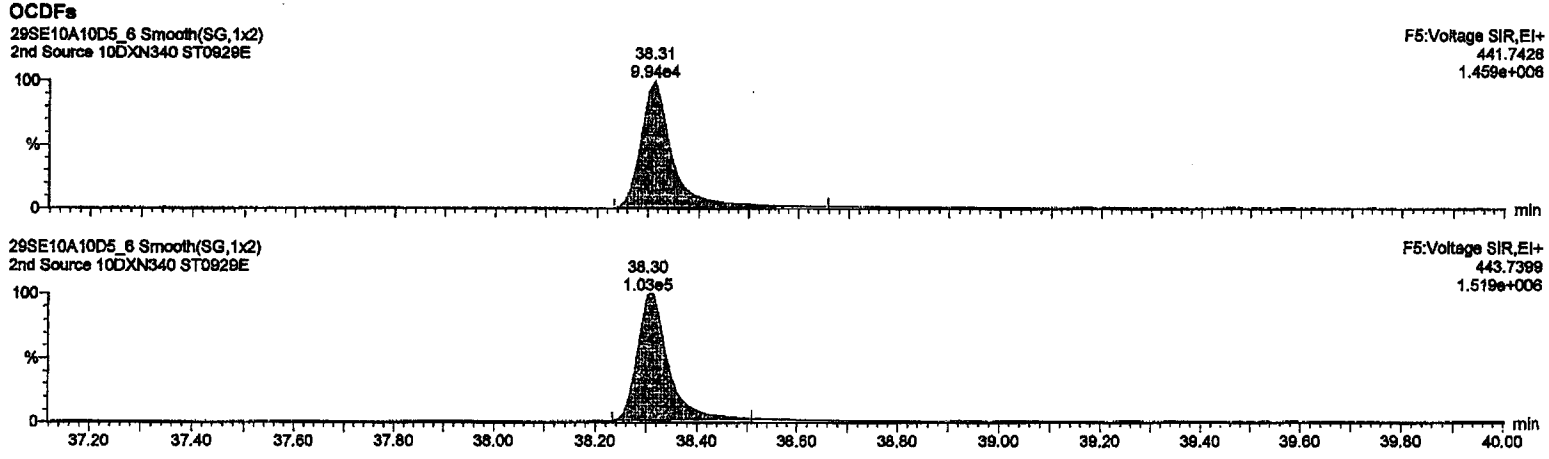
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

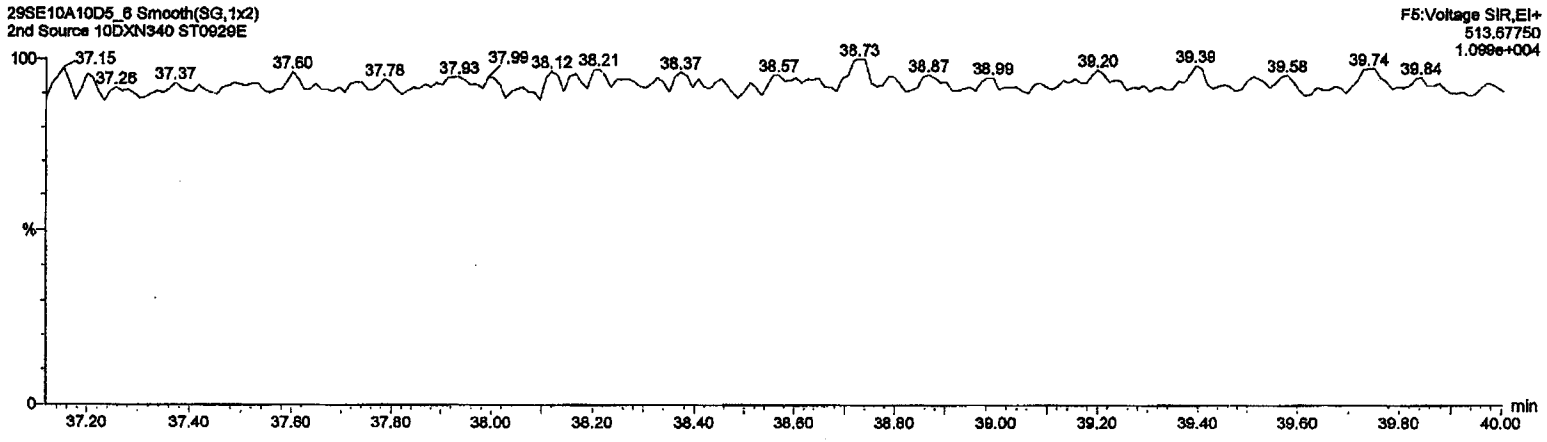
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

OCDFs



OCDF PCDPE



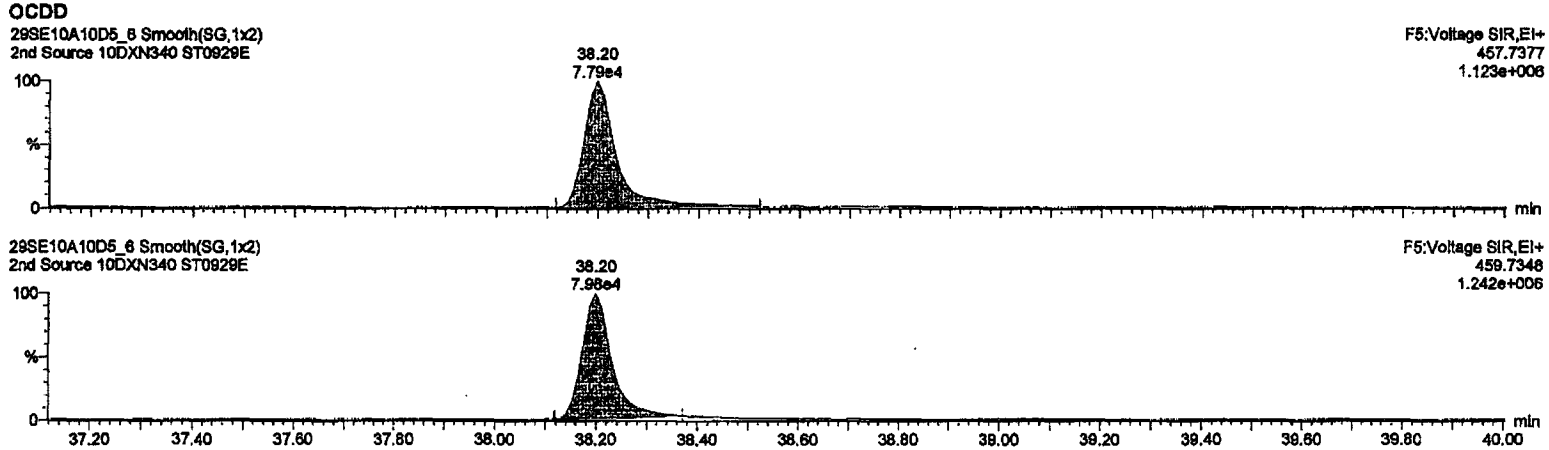
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

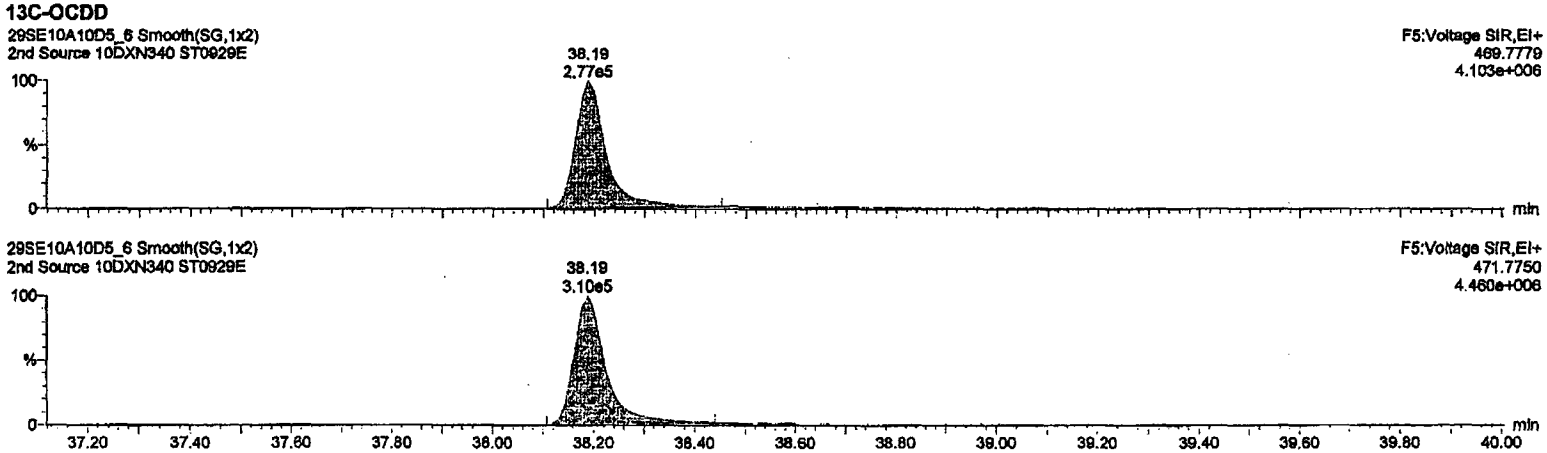
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

OCDD



13C-OCDD



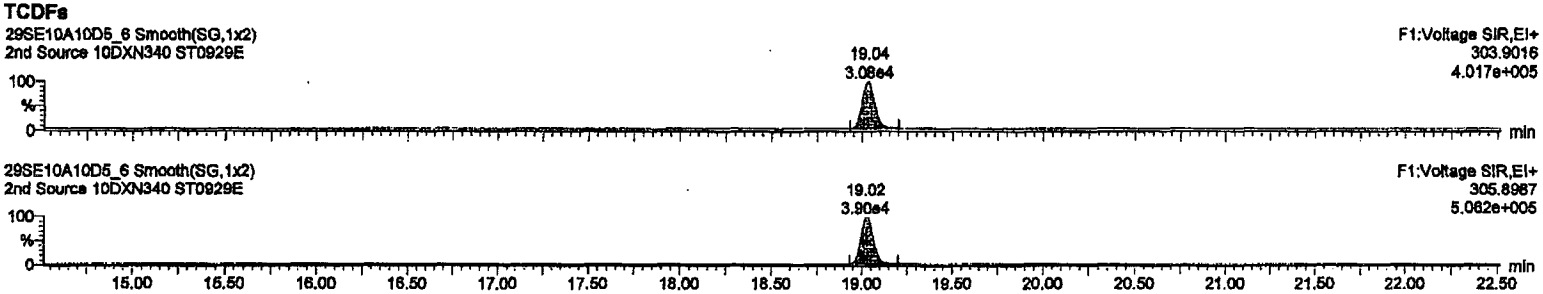
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

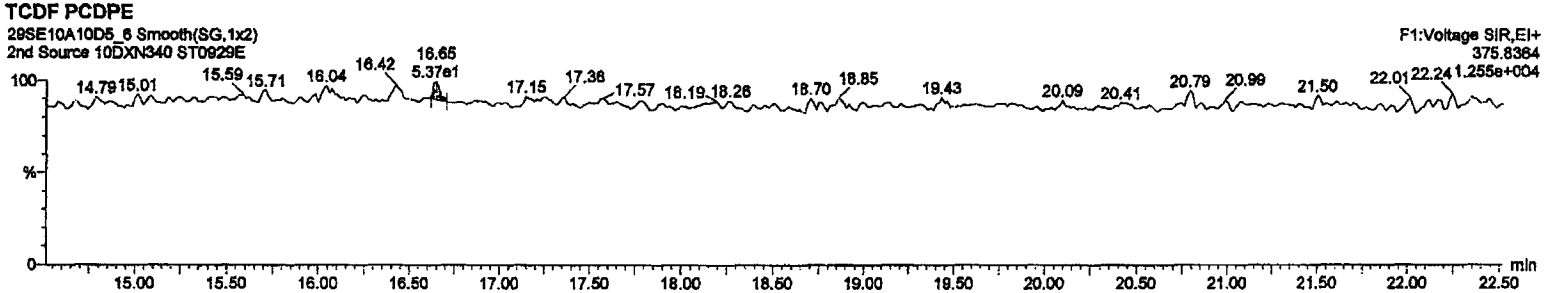
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

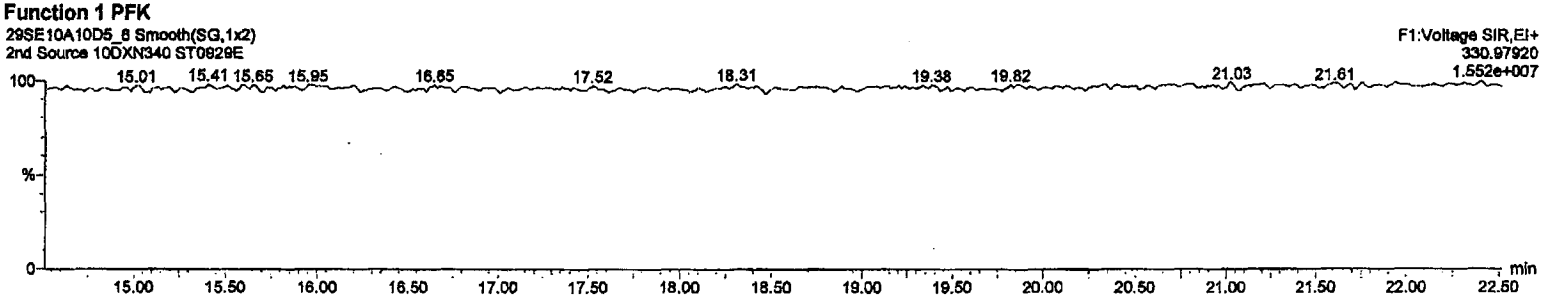
TCDFs



TCDF PCDPE



Function 1 PFK



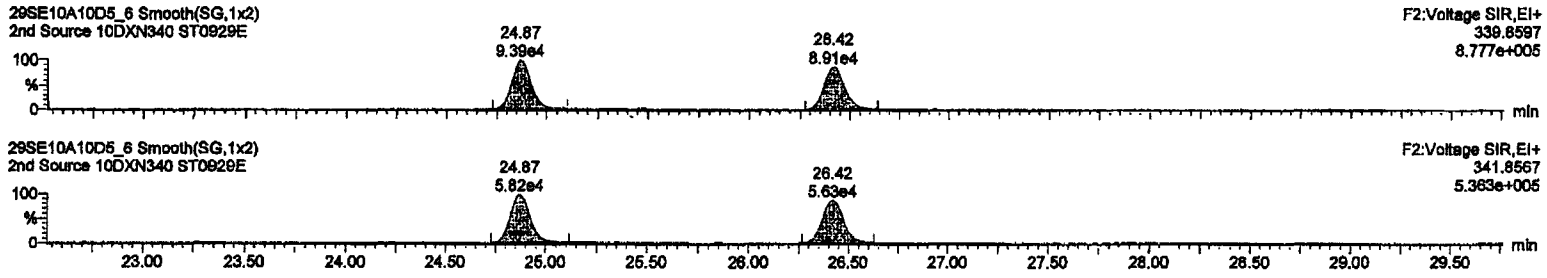
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

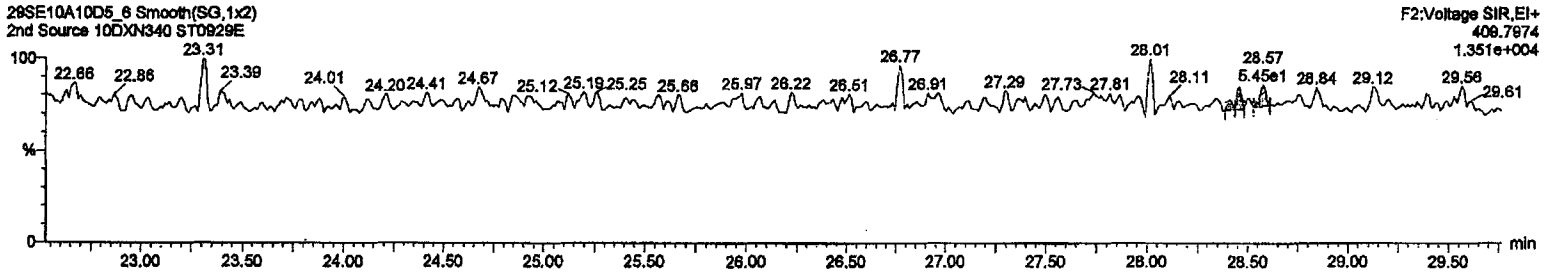
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

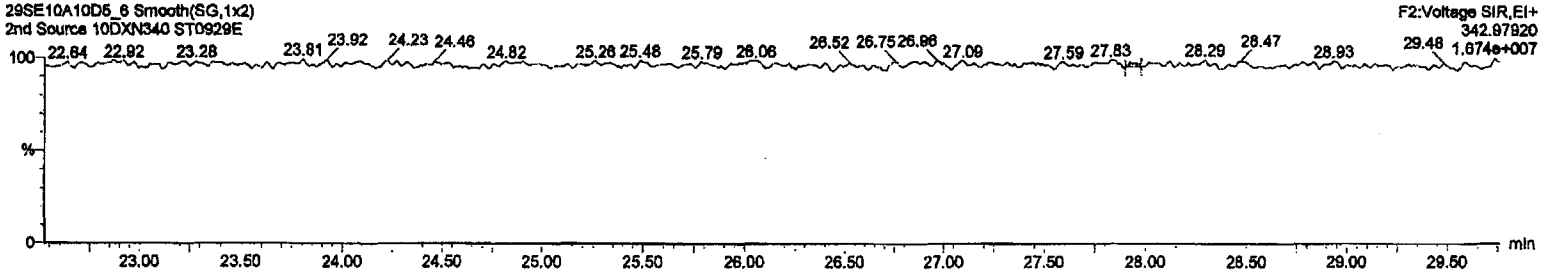
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



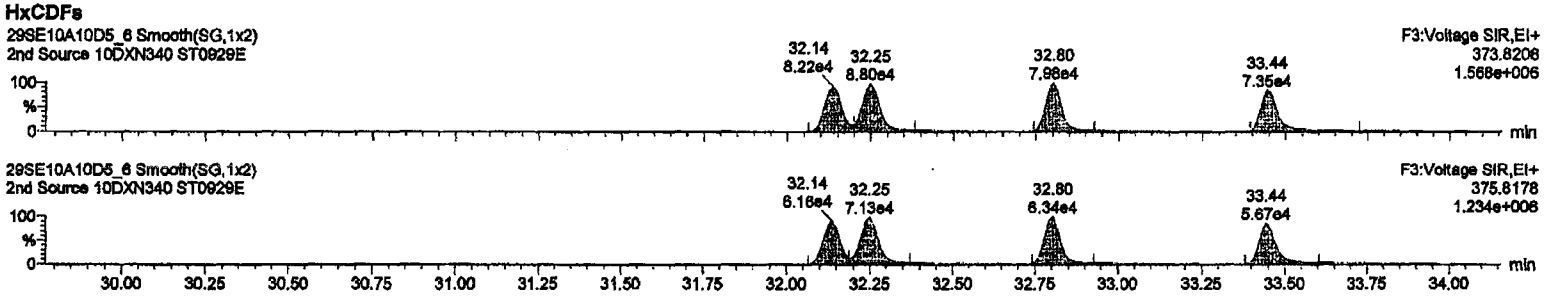
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

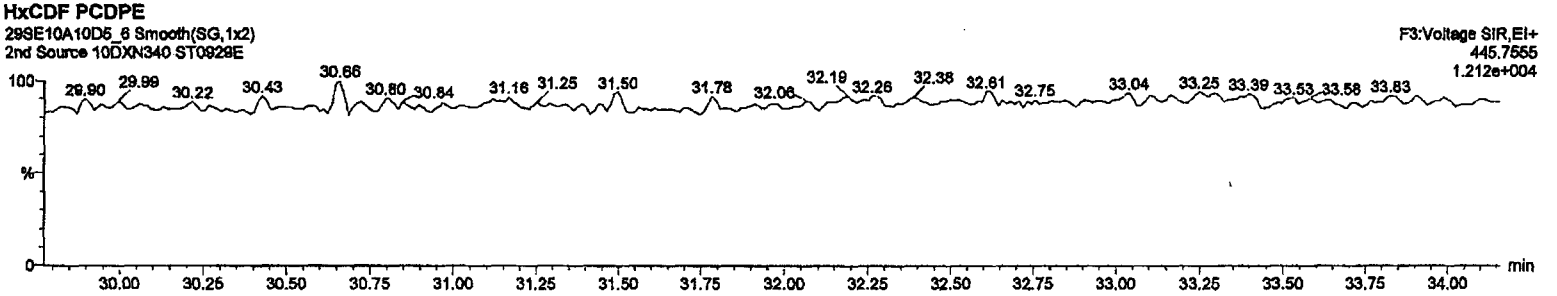
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

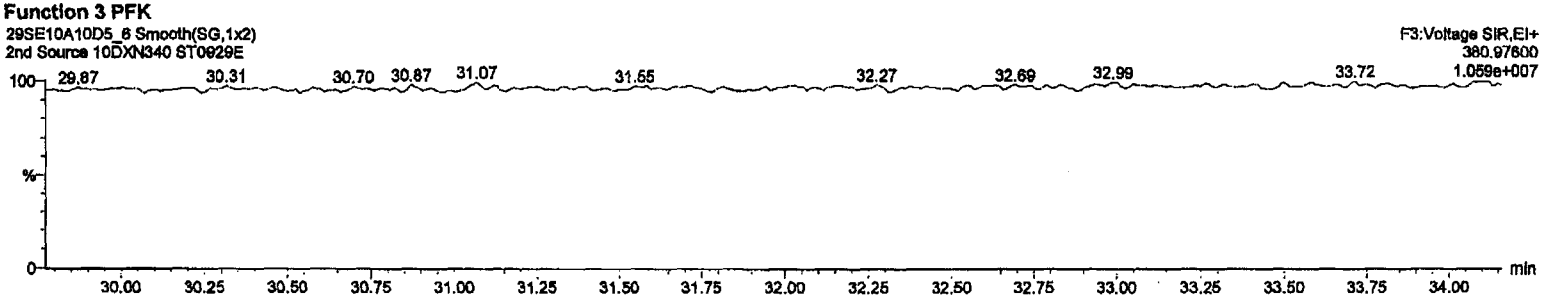
HxCDFs



HxCDF PCDPE



Function 3 PFK



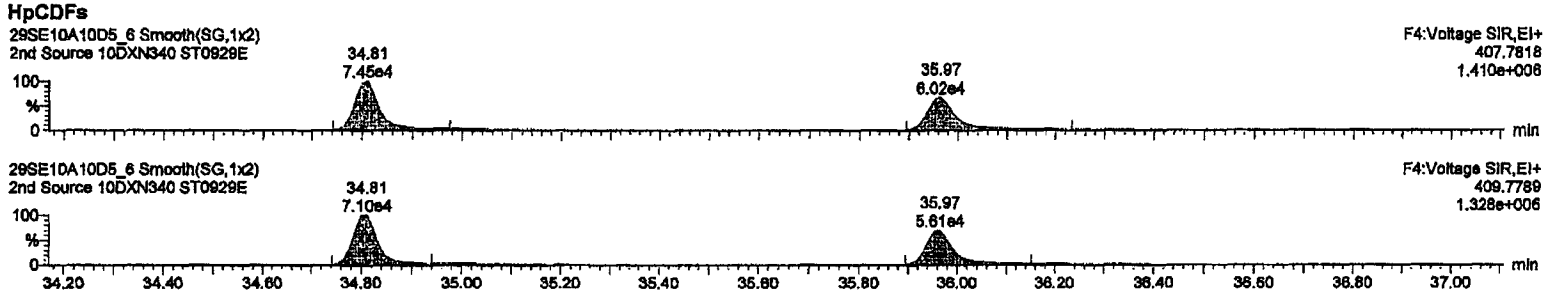
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

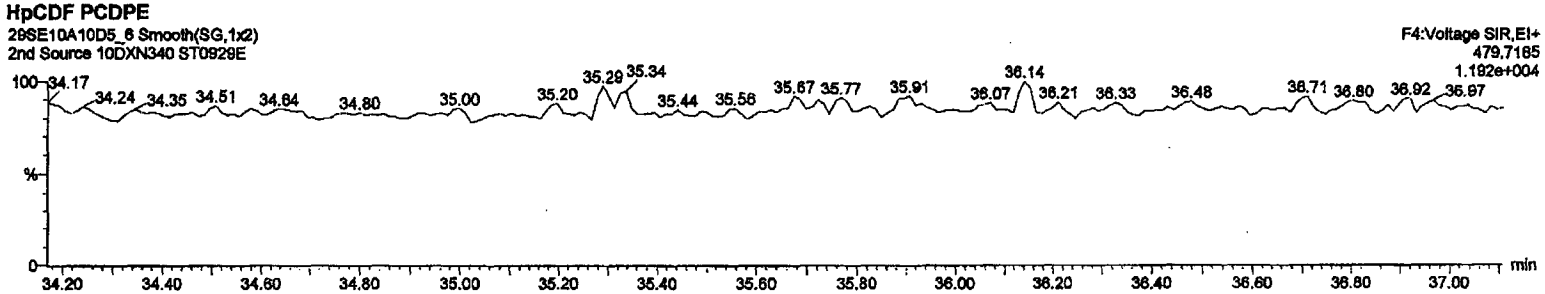
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

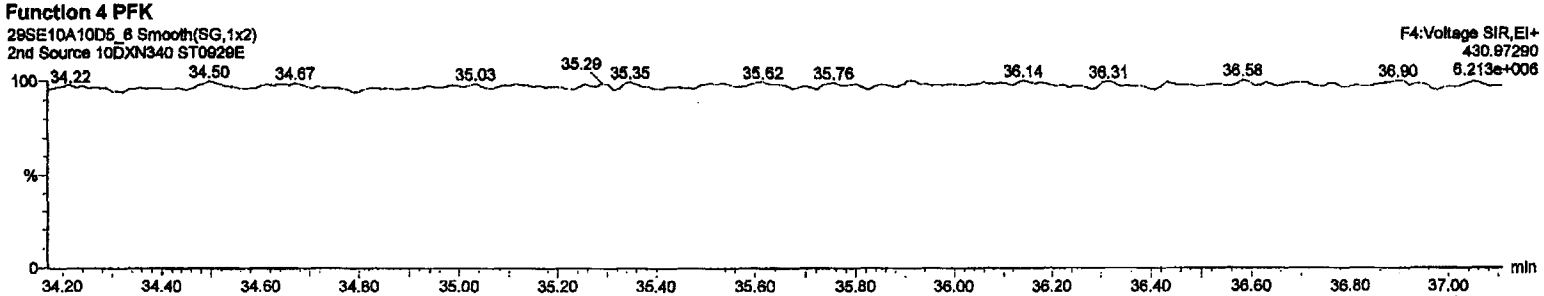
HpCDFs



HpCDF PCDPE



Function 4 PFK



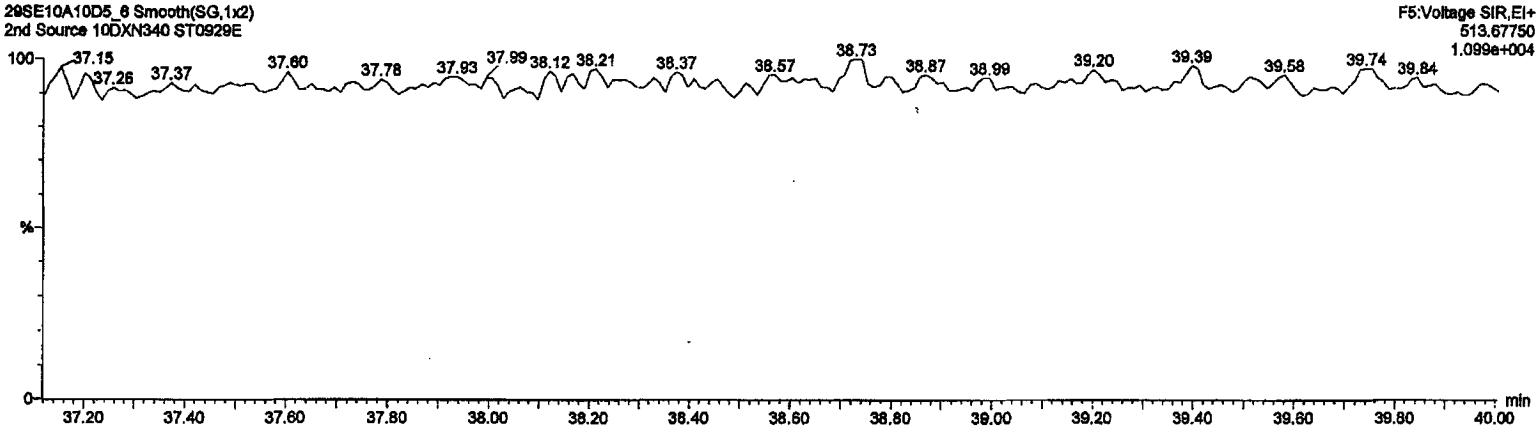
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

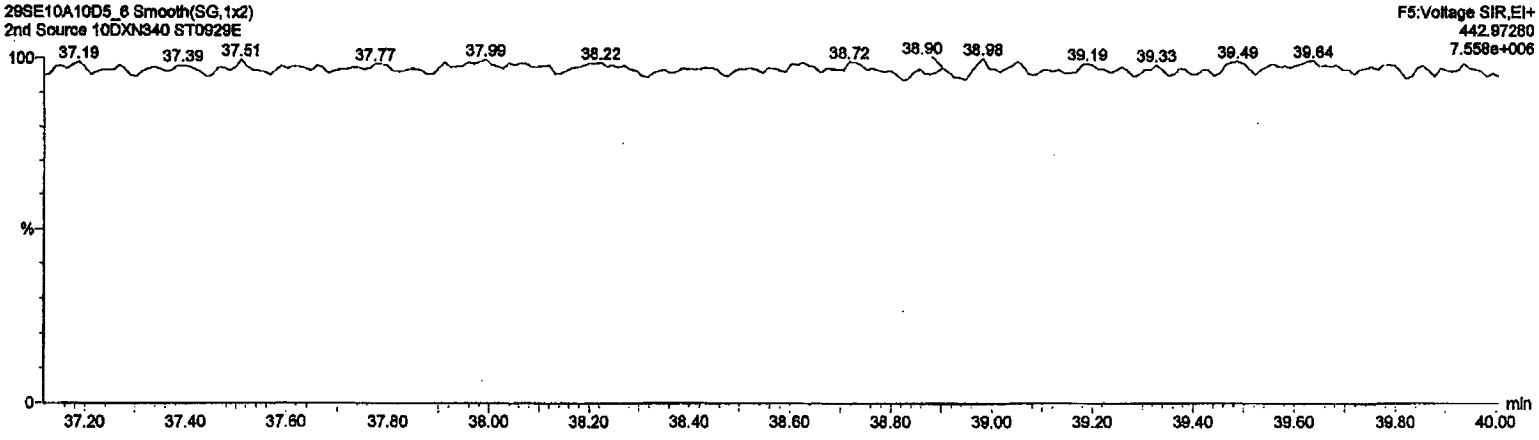
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_6, Date: 29-Sep-2010, Time: 22:21:13, ID: ST0929E, Description: 2nd Source 10DXN340

OCDF PCDPE



Function 5 PFK



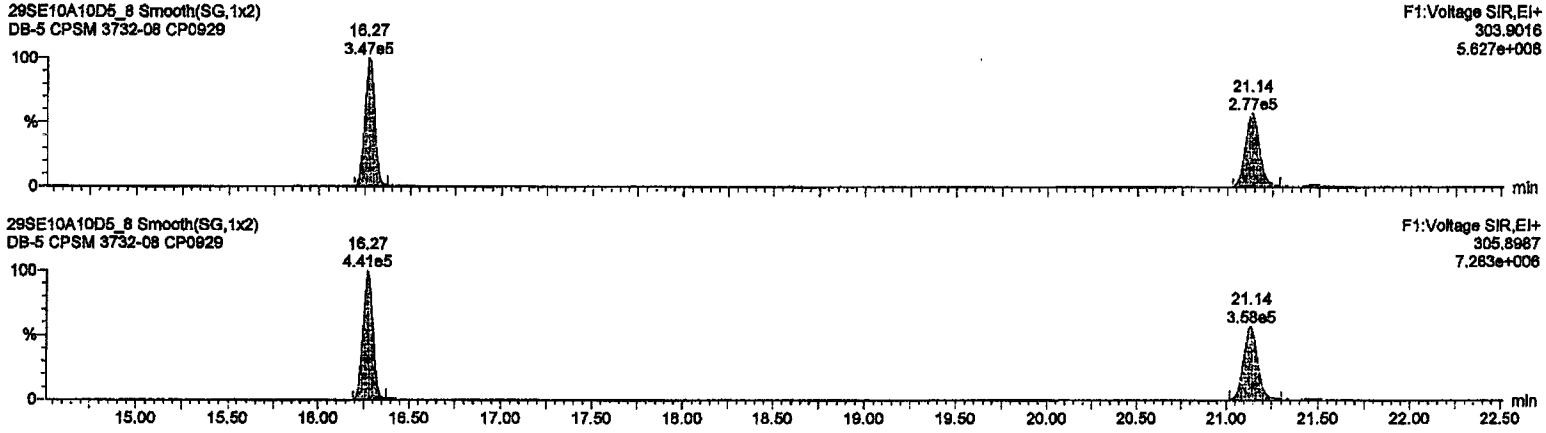
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

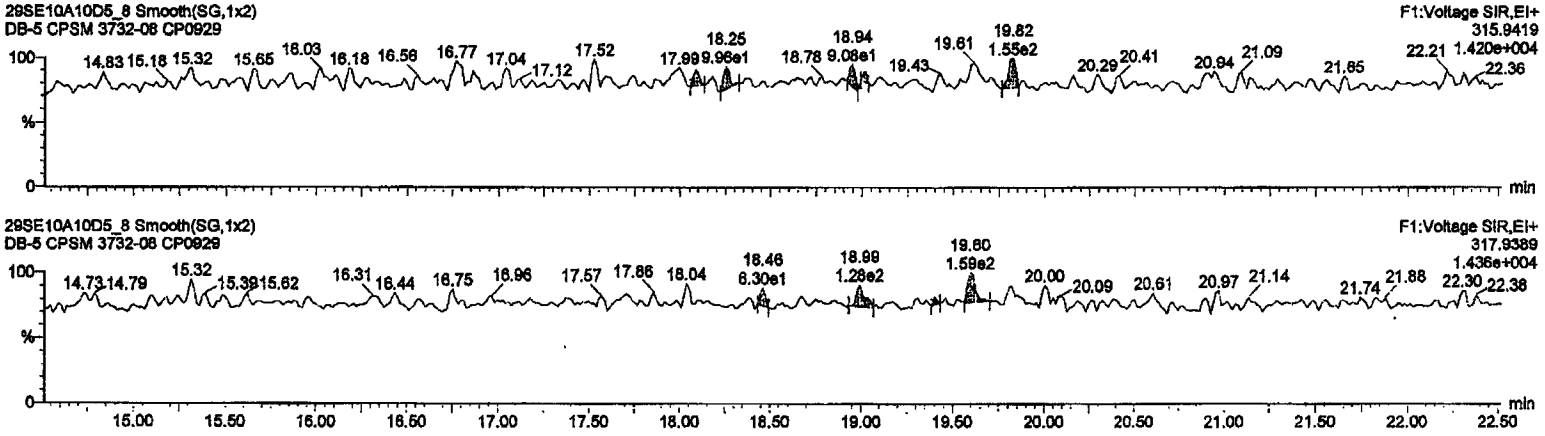
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

TCDFs



13C-TCDF



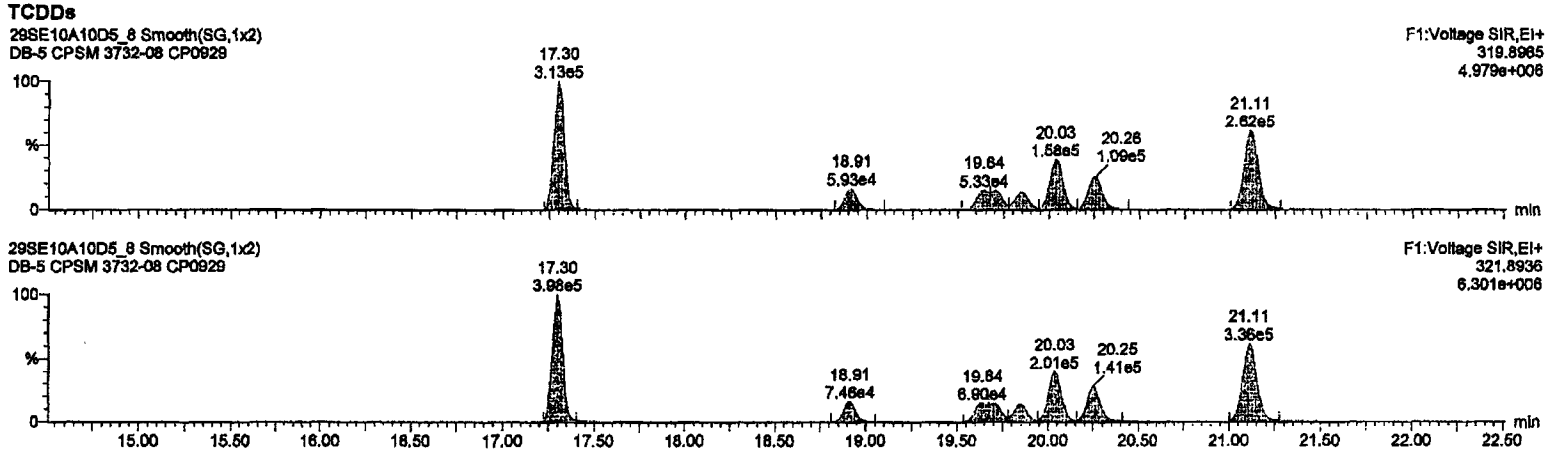
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

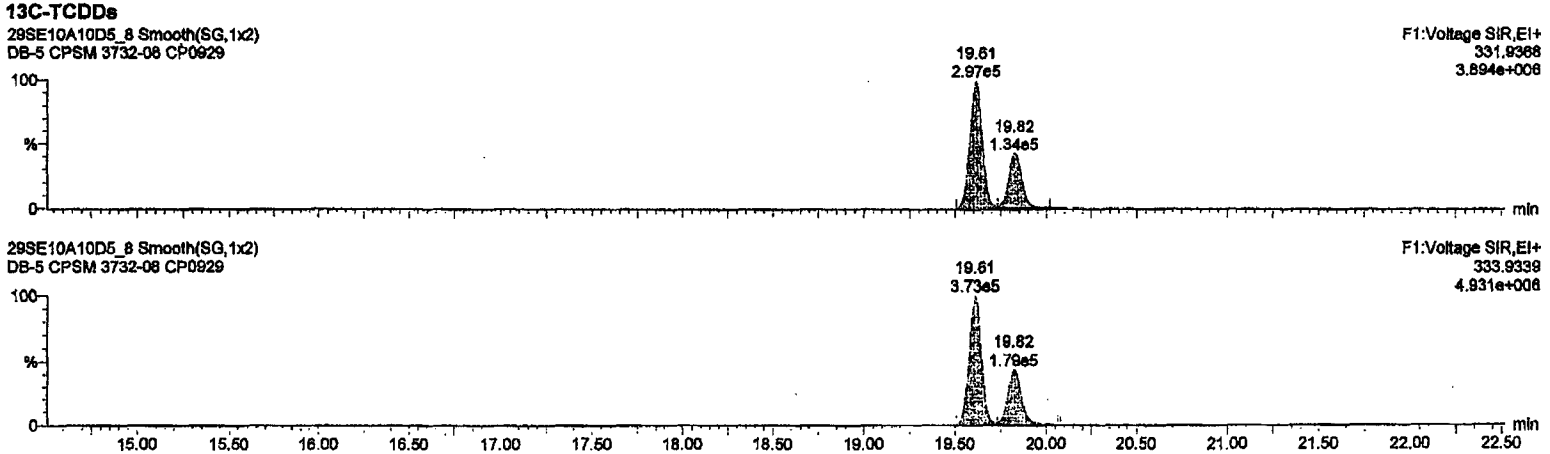
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

TCDDs



13C-TCDDs



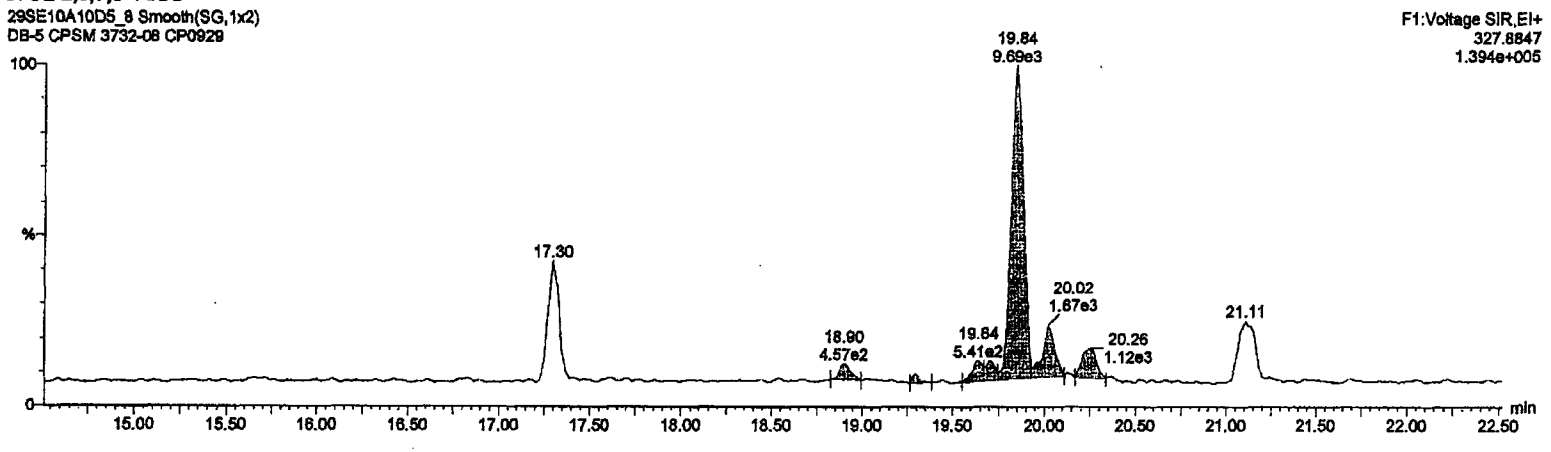
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

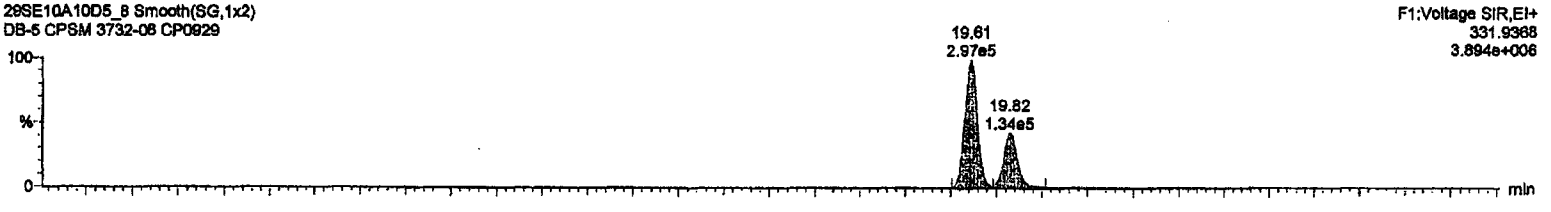
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

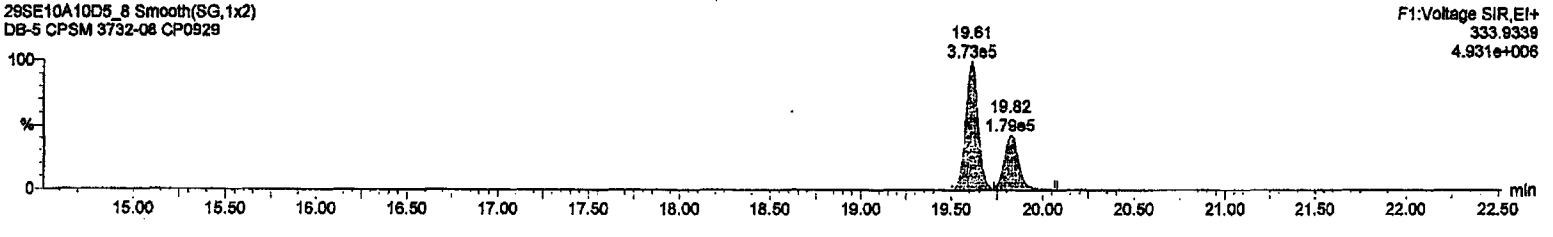
Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

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



13C-TCDDs





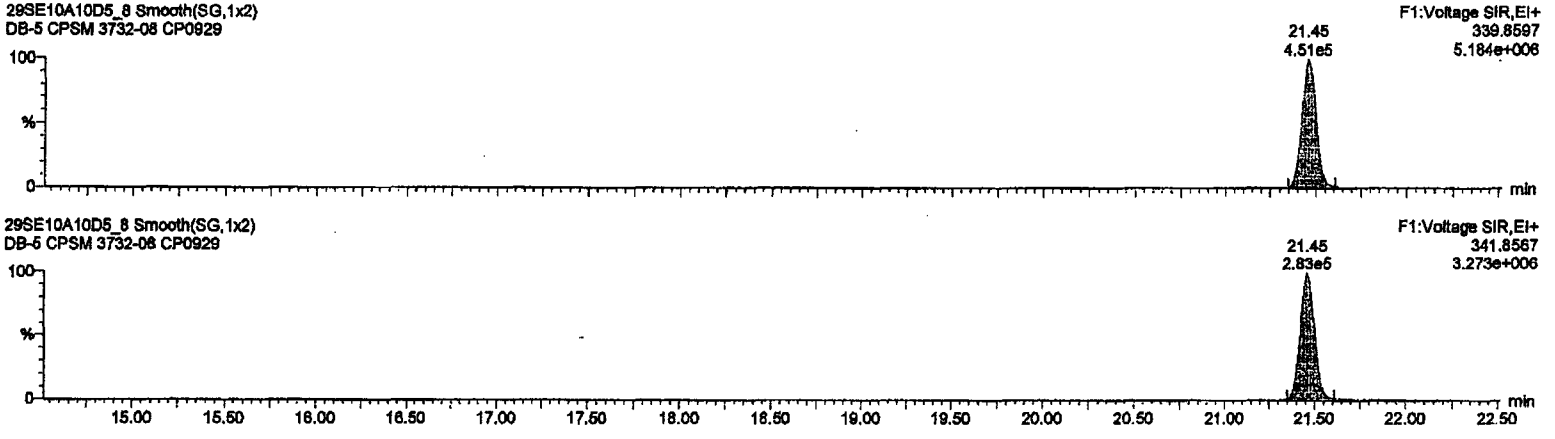
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

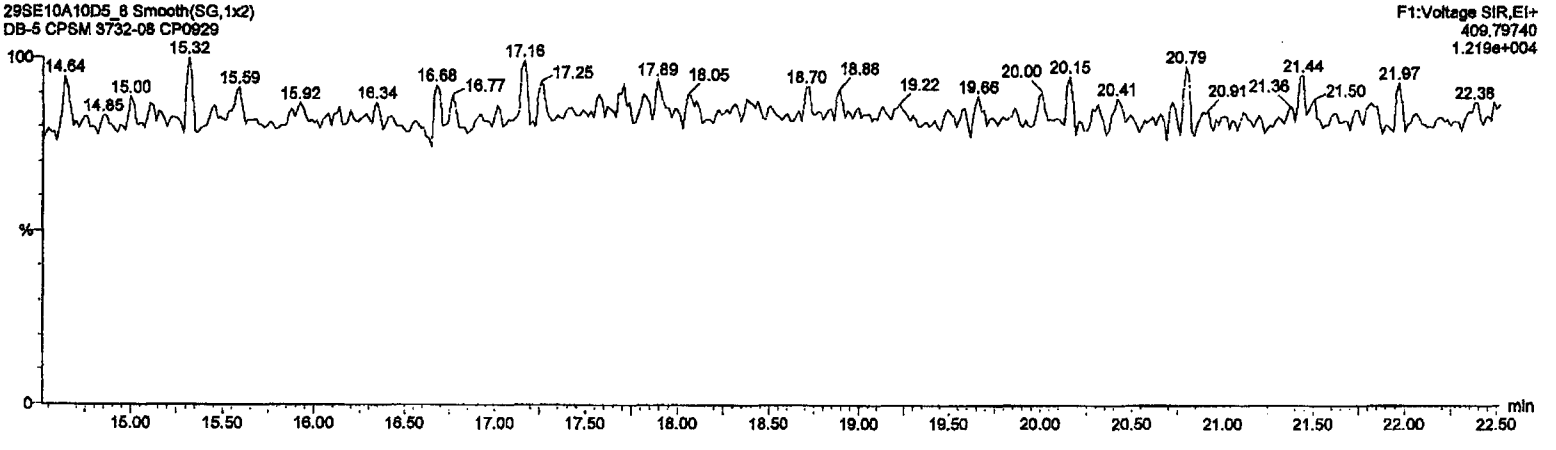
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

F1 PeCDFs



F1 PeCDF PCDPE



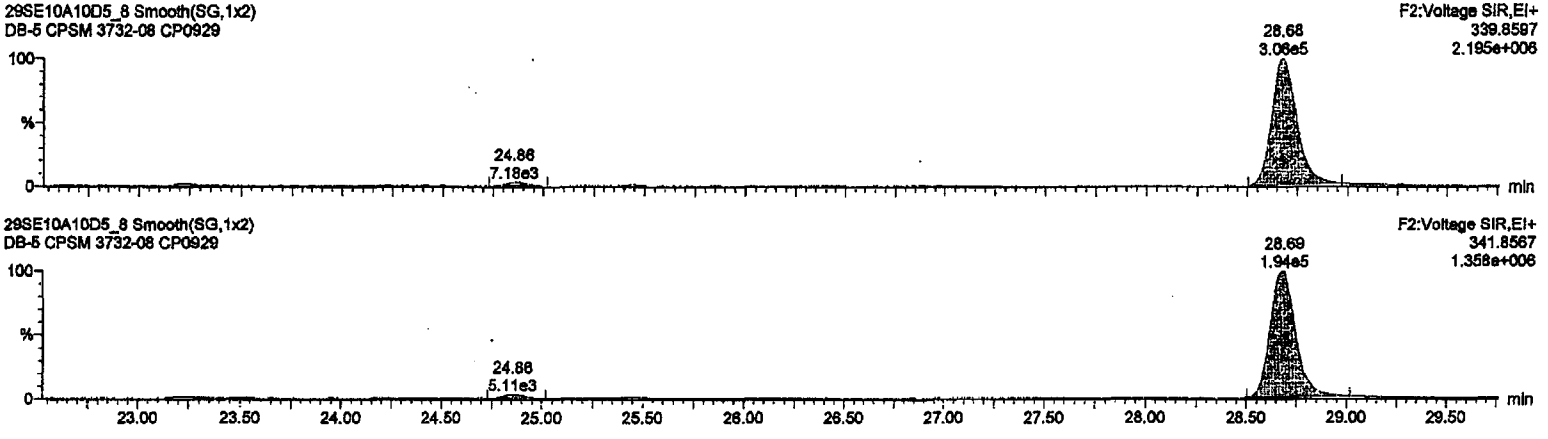
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

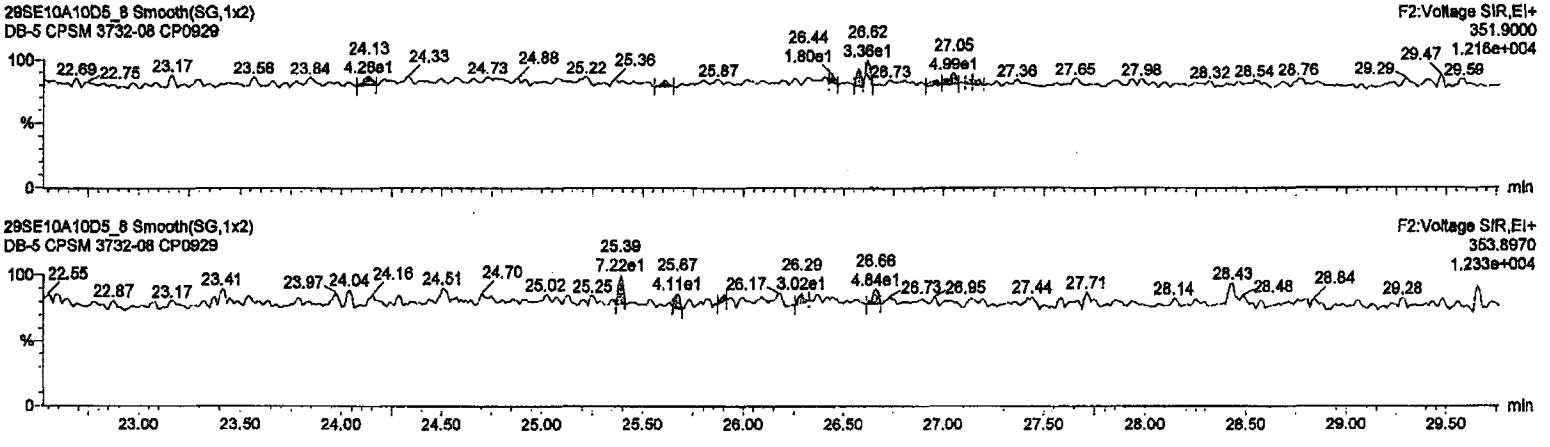
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

PeCDFs



13C-PeCDFs



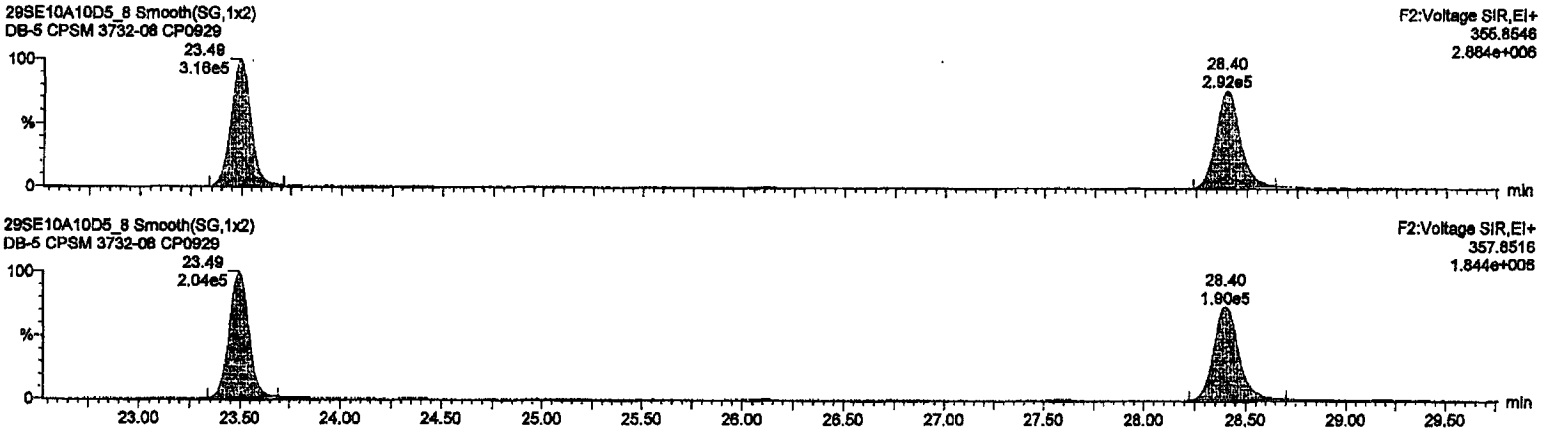
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

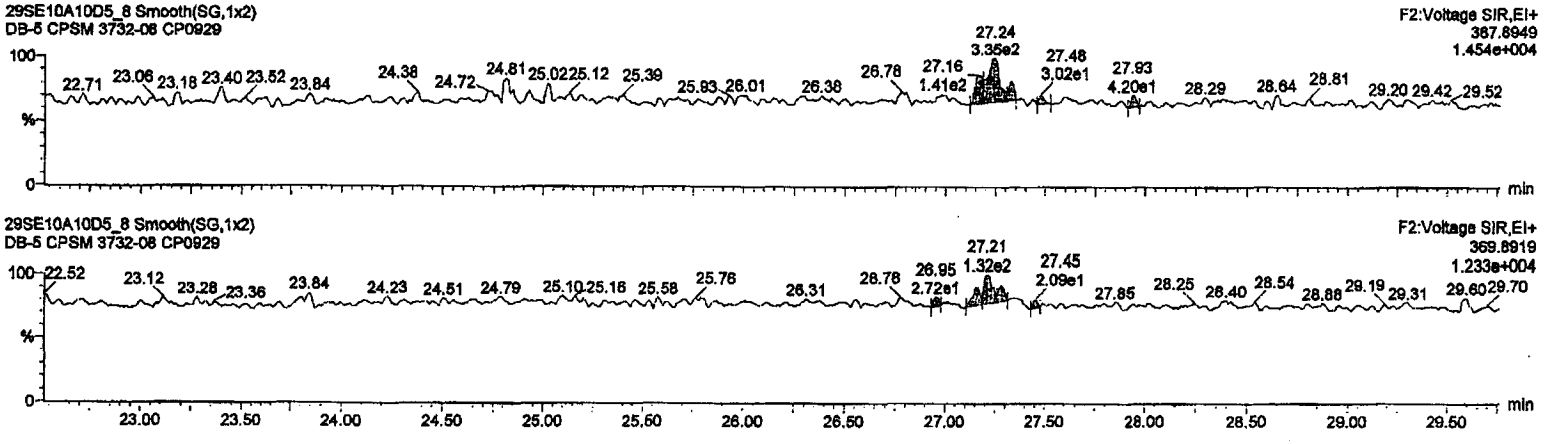
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

PeCDDs



13C-PeCDD



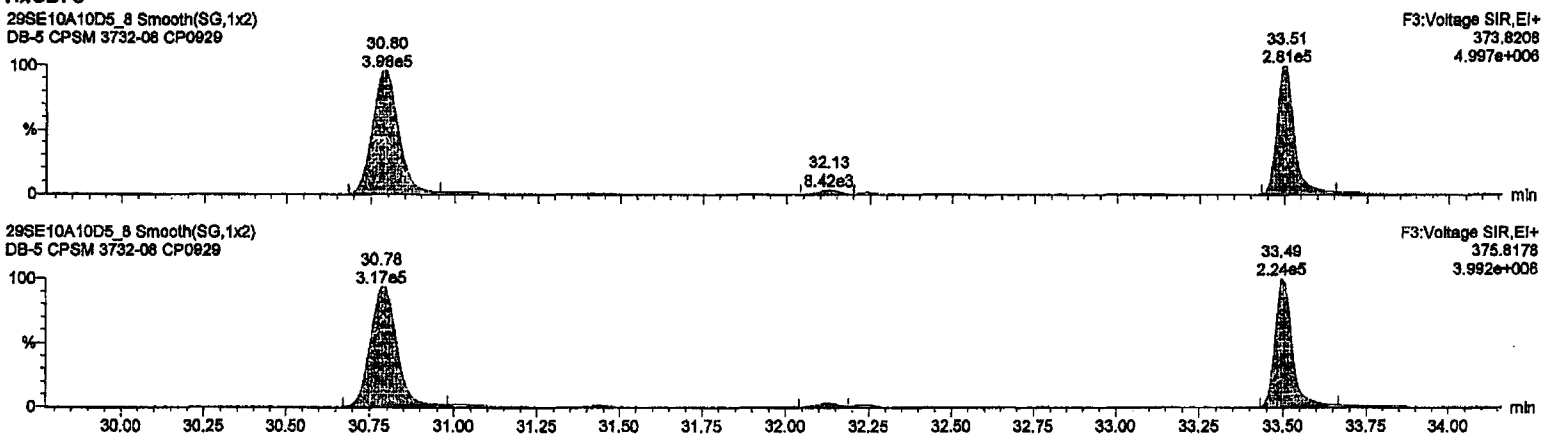
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

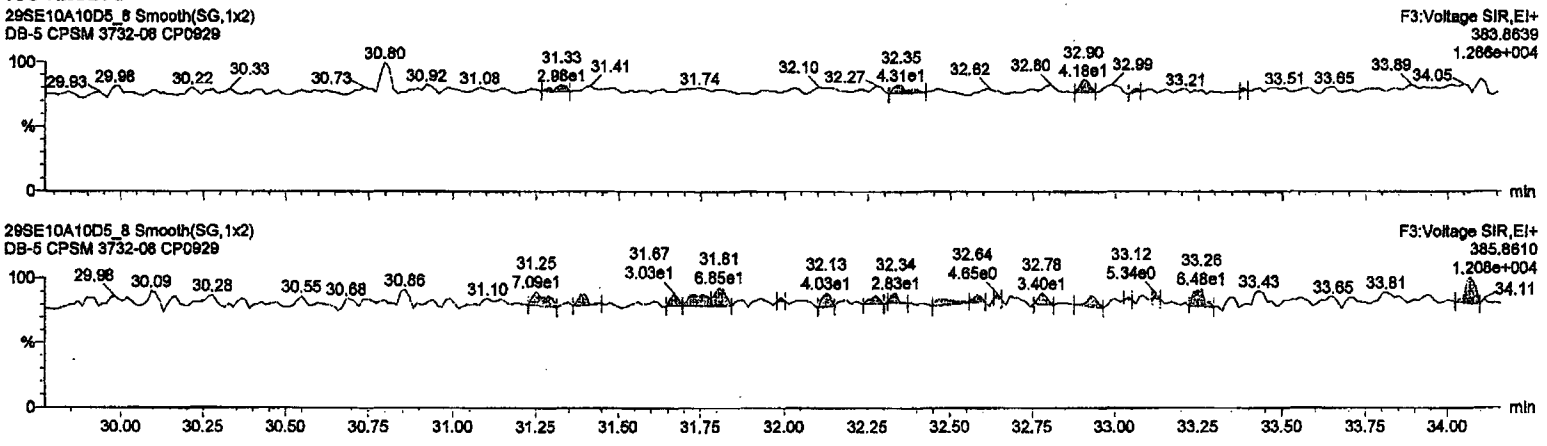
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

HxCDFs



13C-HxCDFs



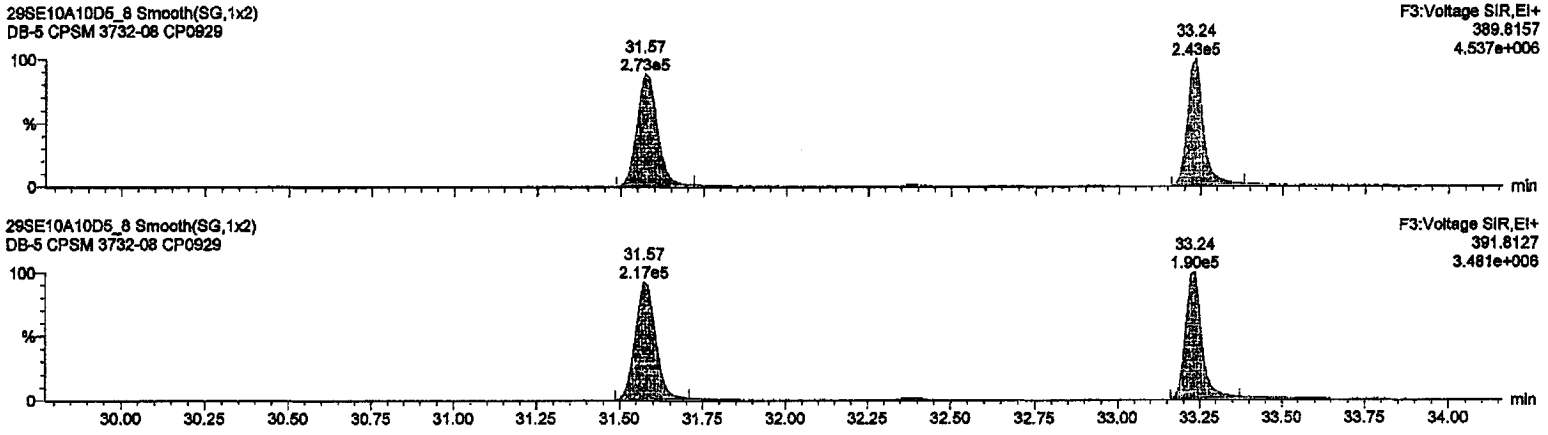
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

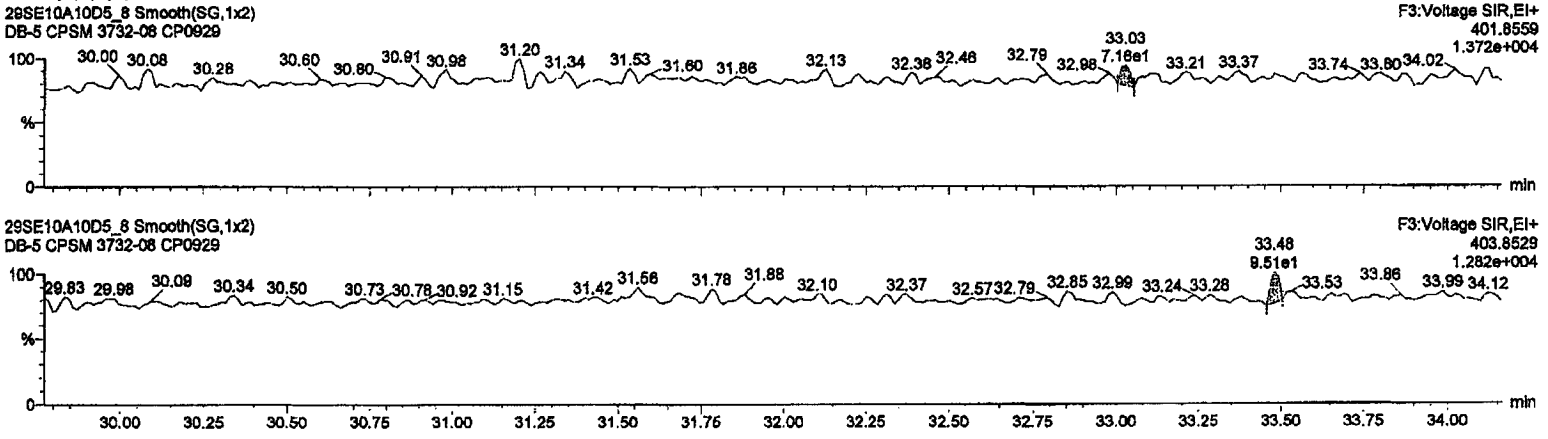
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

HxCDDs



13C-1,2,3,6,7,8-HxCDD



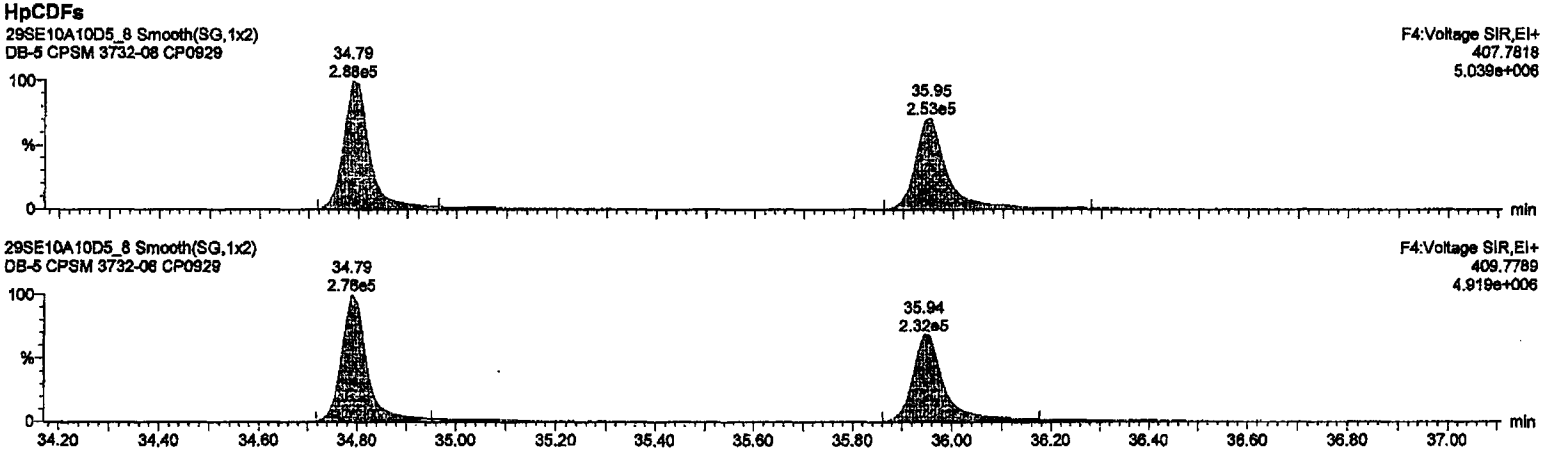
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

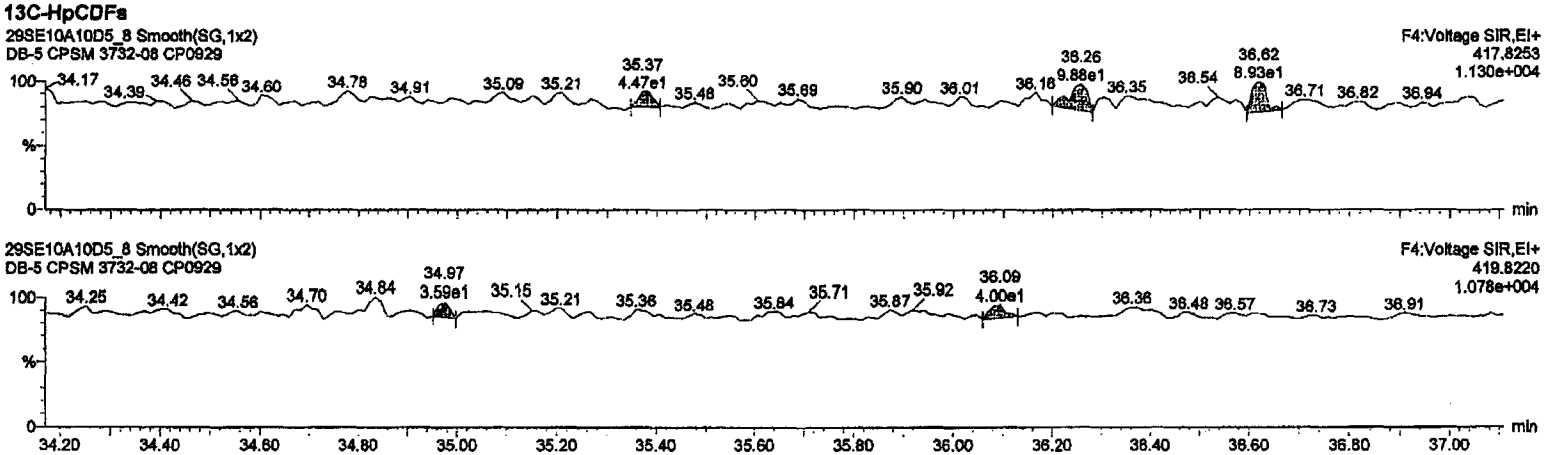
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

HpCDFs



13C-HpCDFs



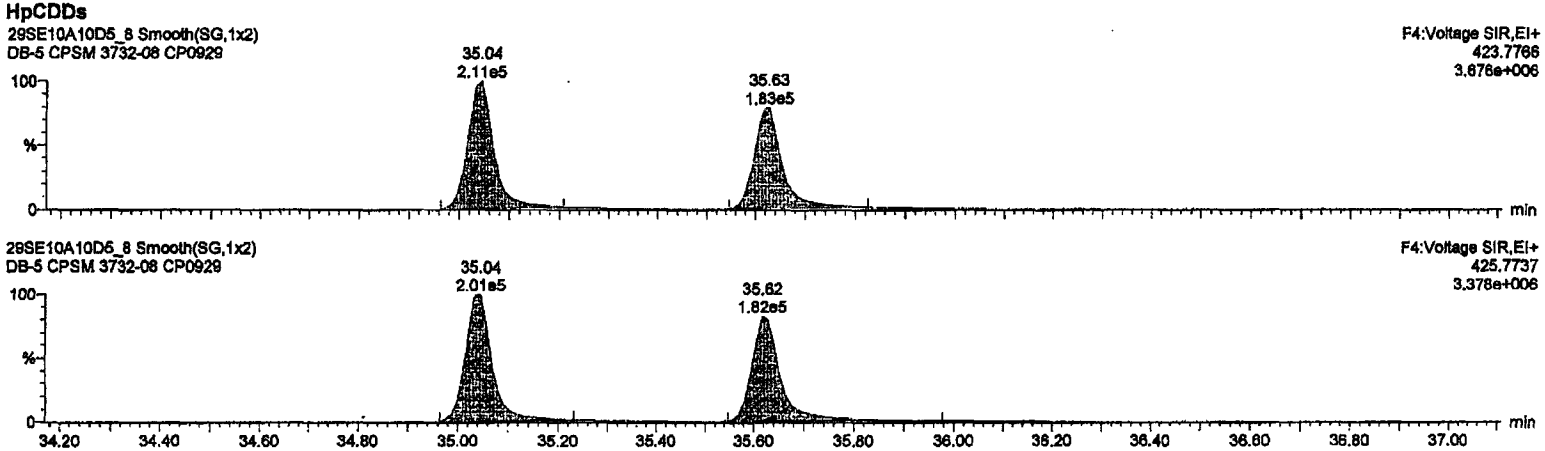
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

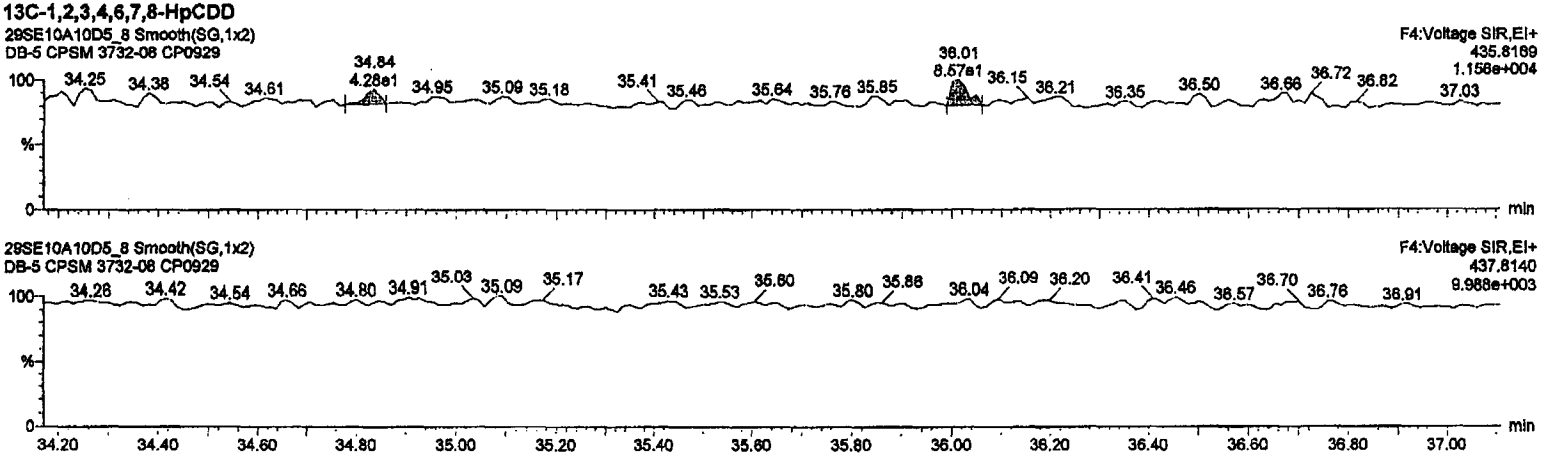
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

HpCDDs



13C-1,2,3,4,6,7,8-HpCDD



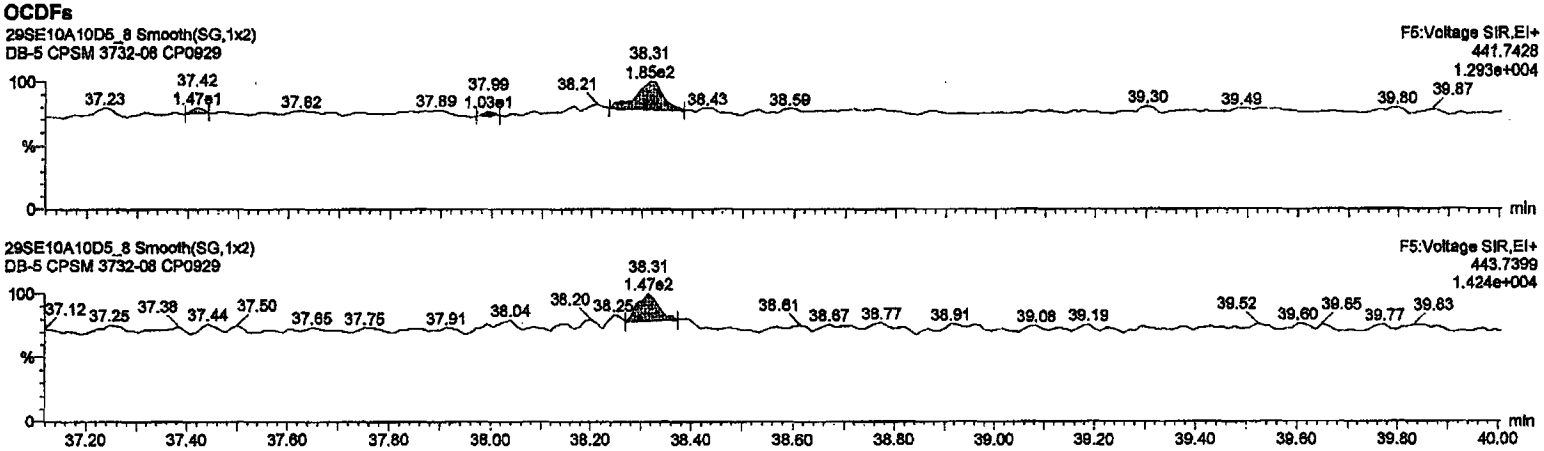
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

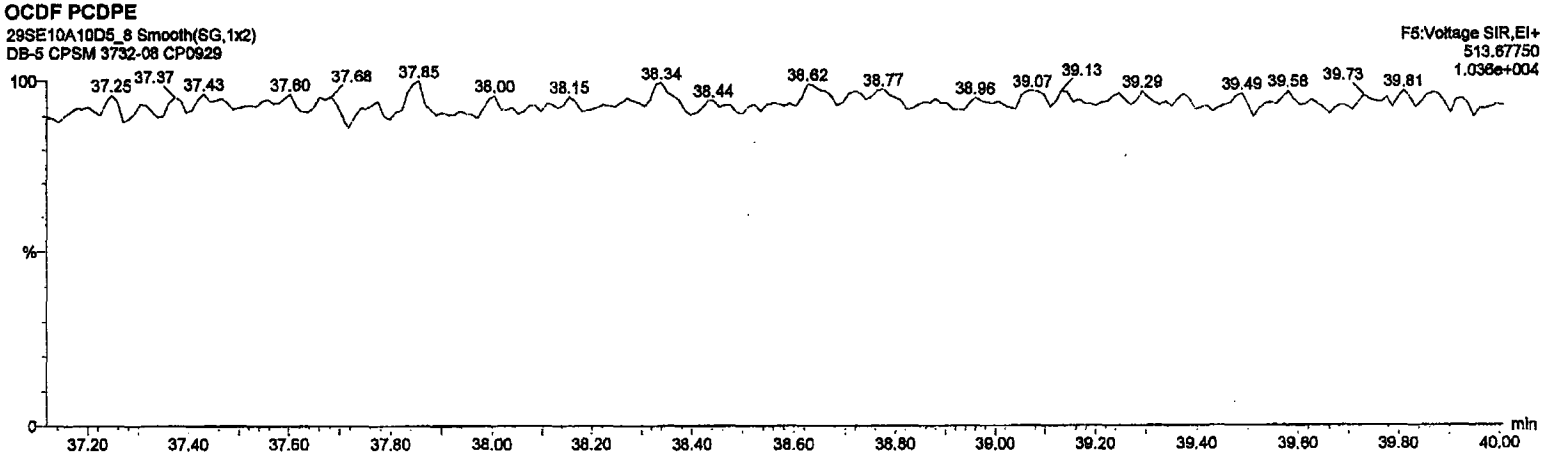
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

OCDFs



OCDF PCDPE



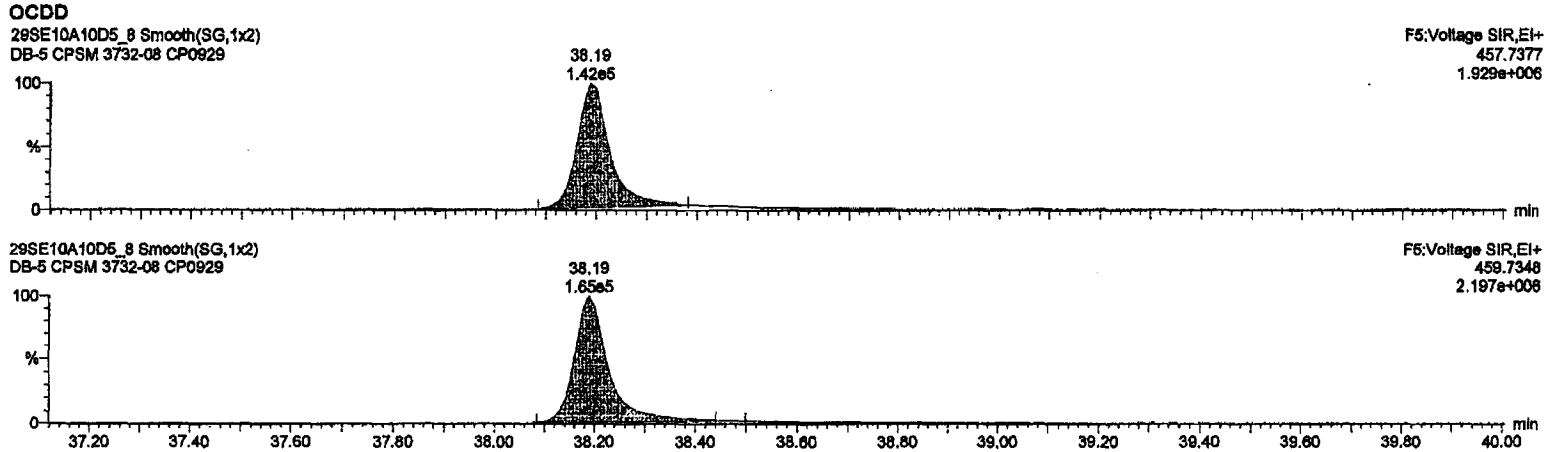
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

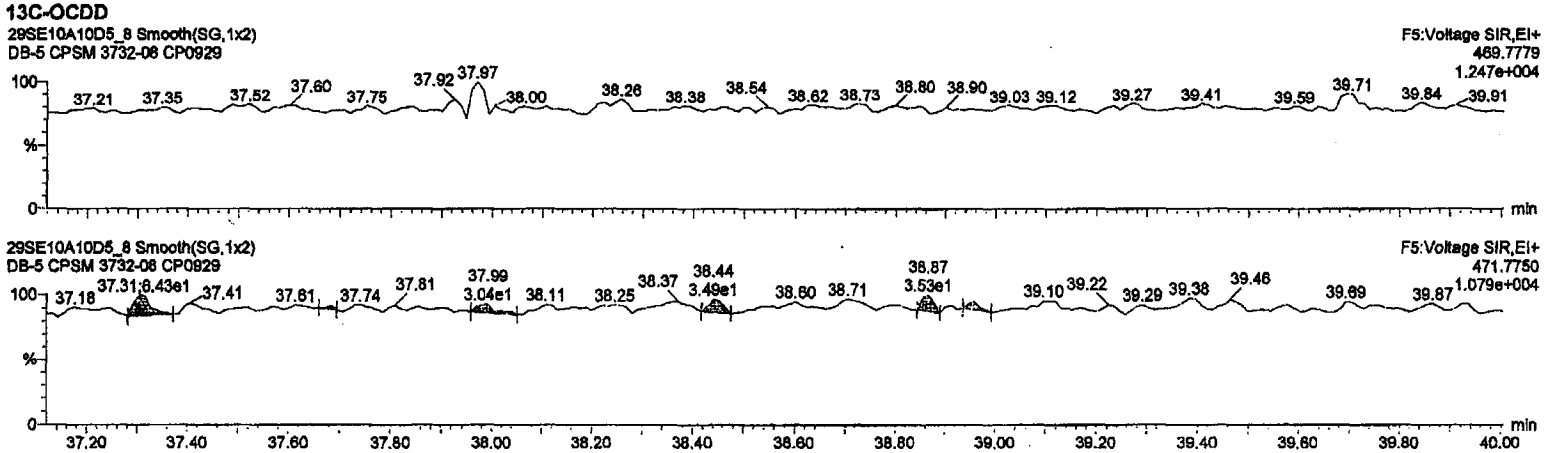
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

OCDD



13C-OCDD



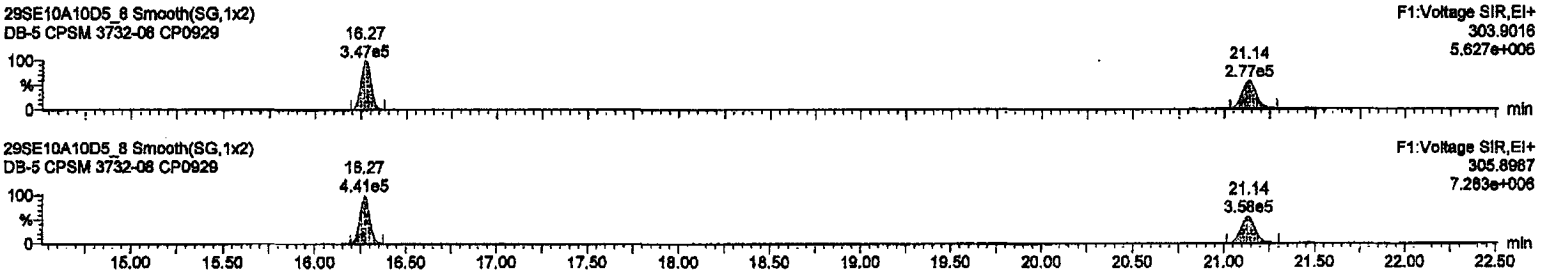
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qid

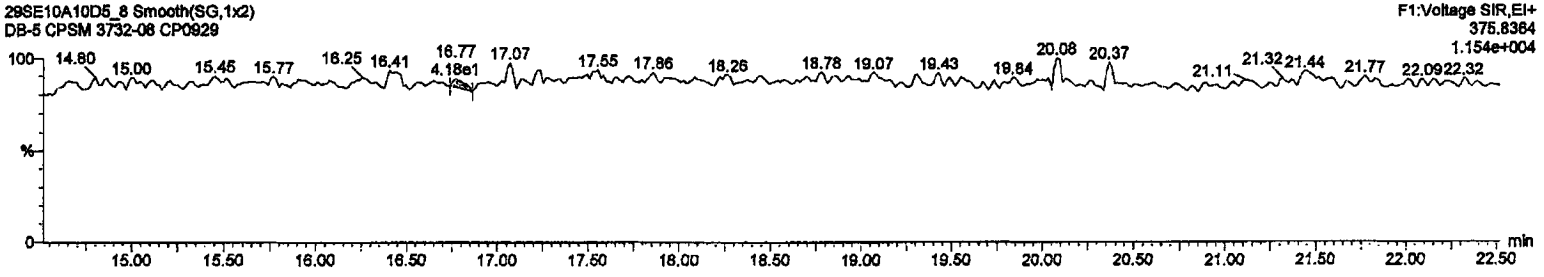
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

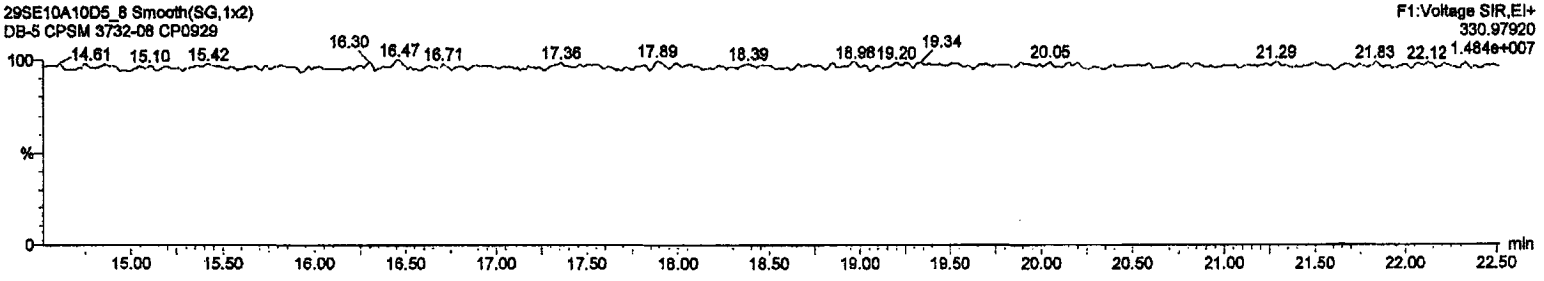
TCDFs



TCDF PCDPE



Function 1 PFK



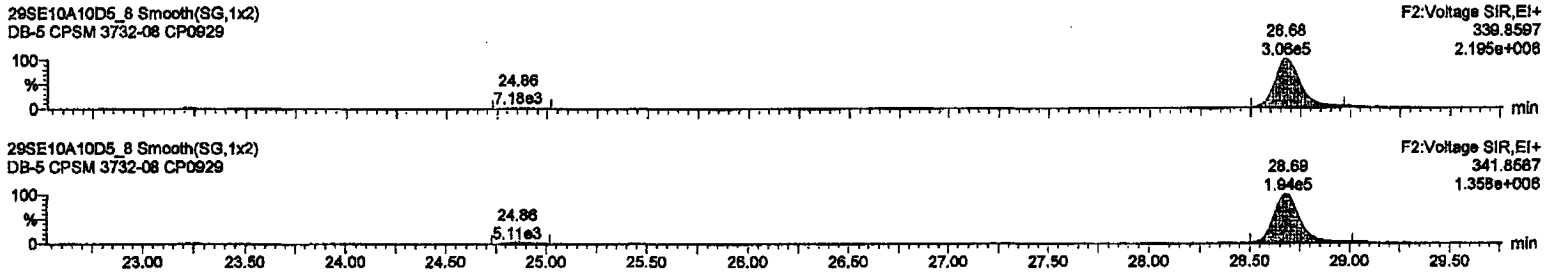
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

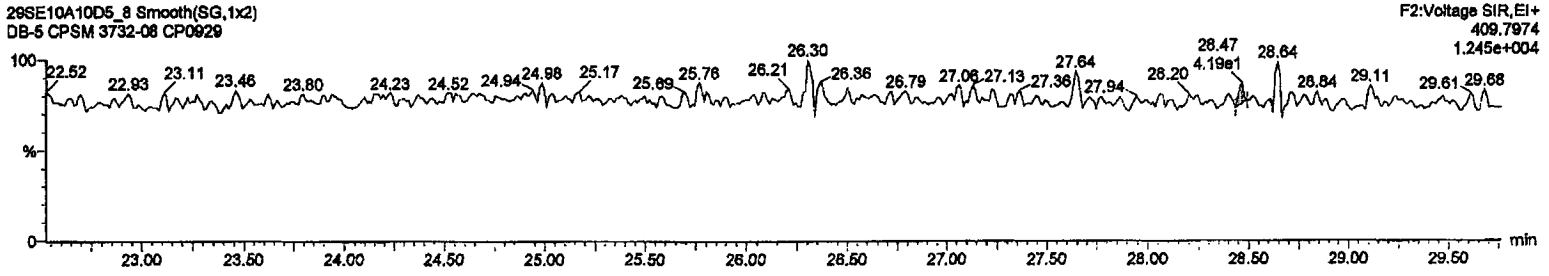
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

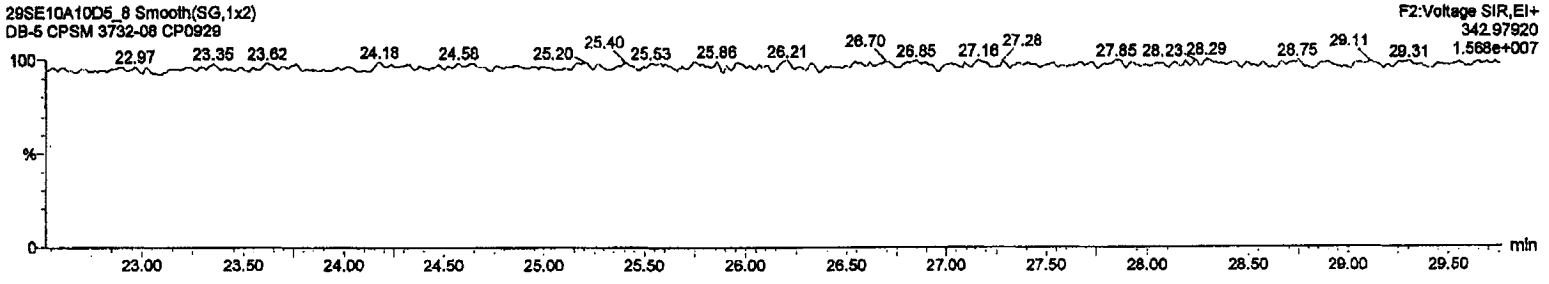
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



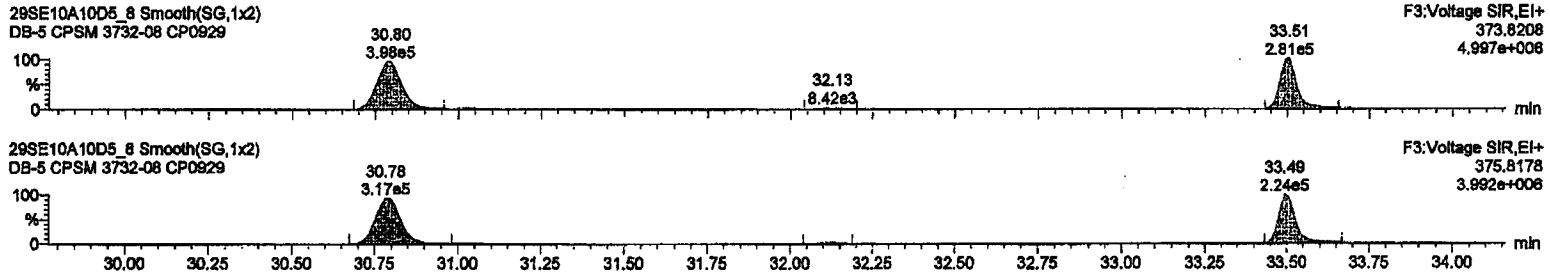
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

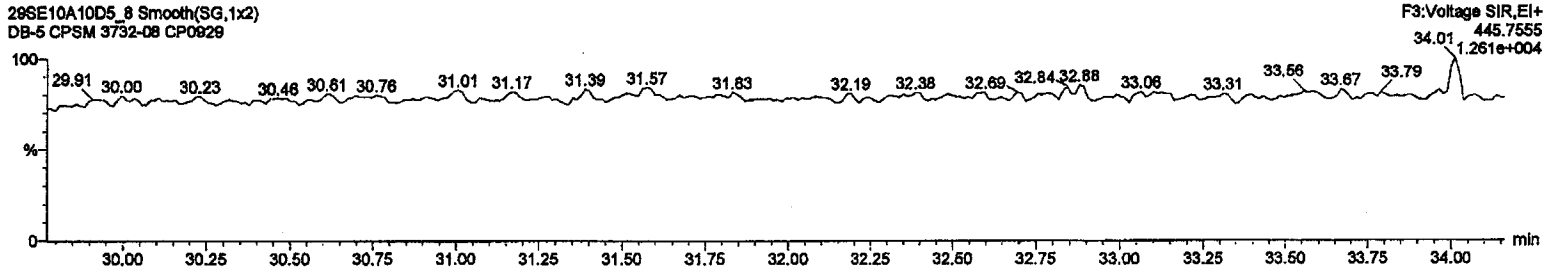
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

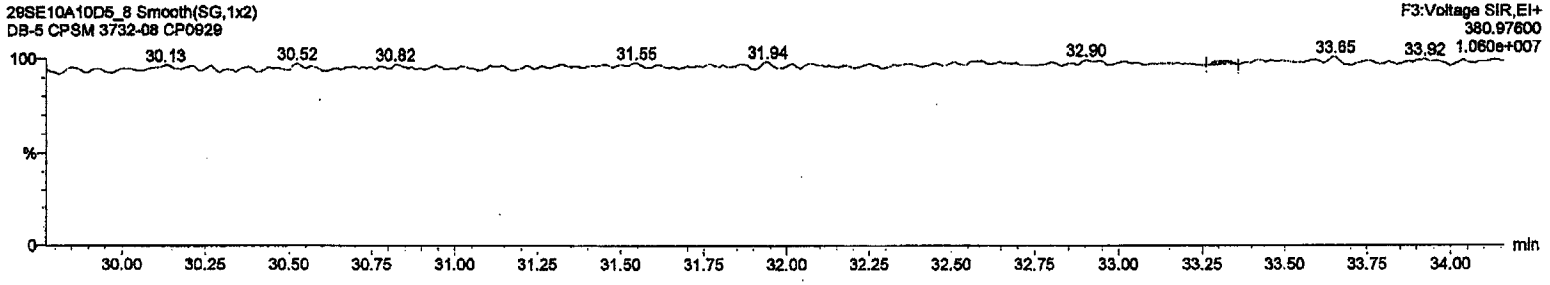
HxCDFs



HxCDF PCDPE



Function 3 PFK



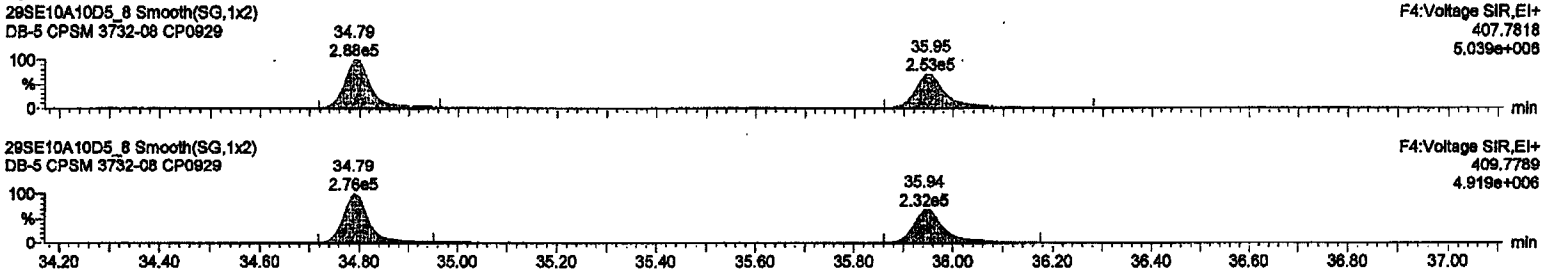
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

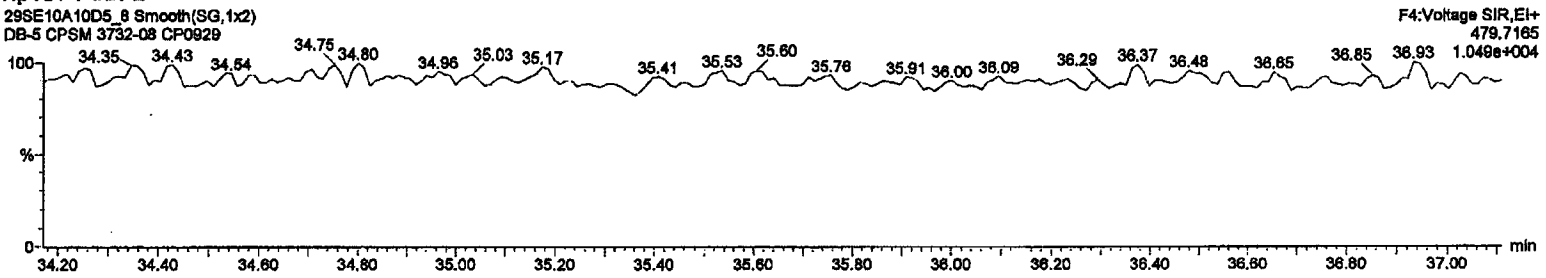
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

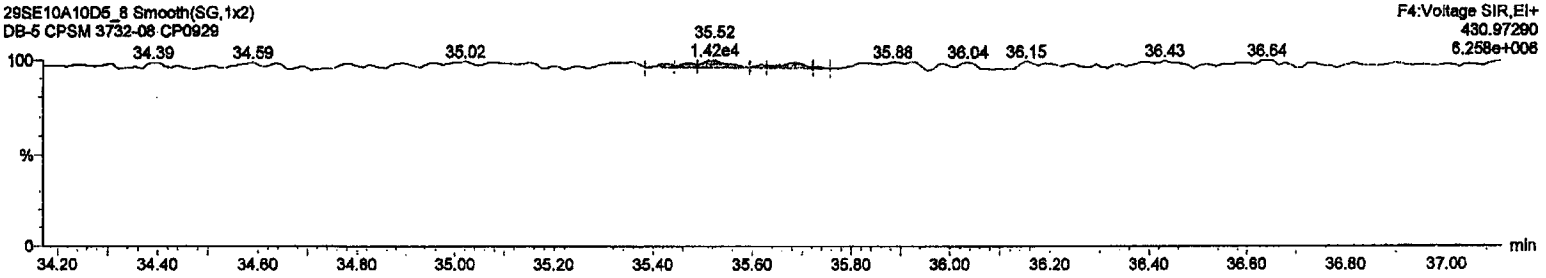
HpCDFs



HpCDF PCDPE



Function 4 PFK



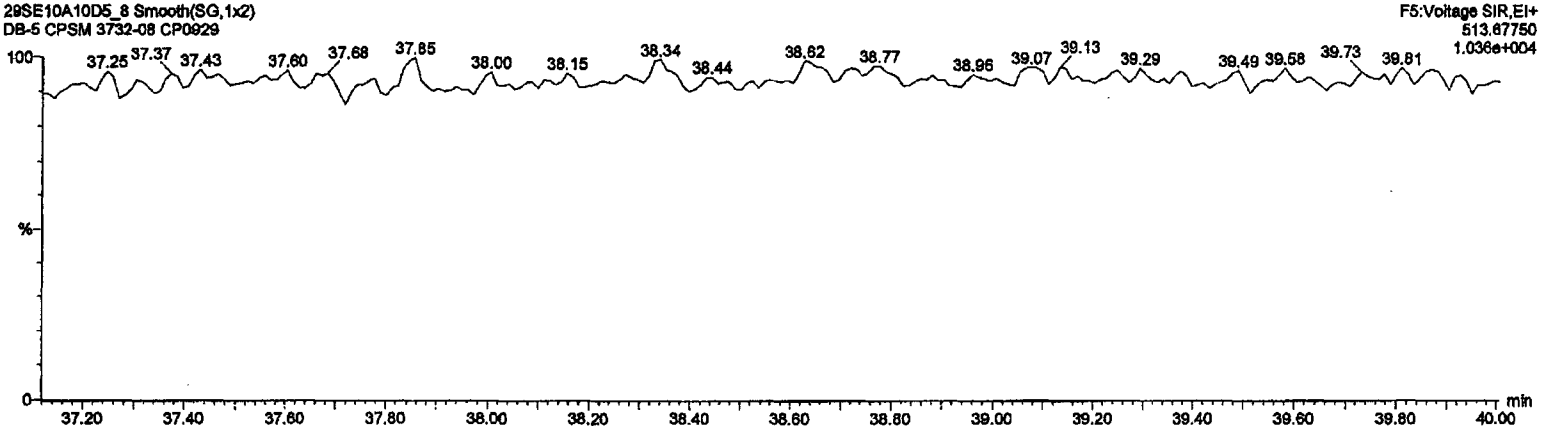
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\29SE1010D52NDSOURCE.qld

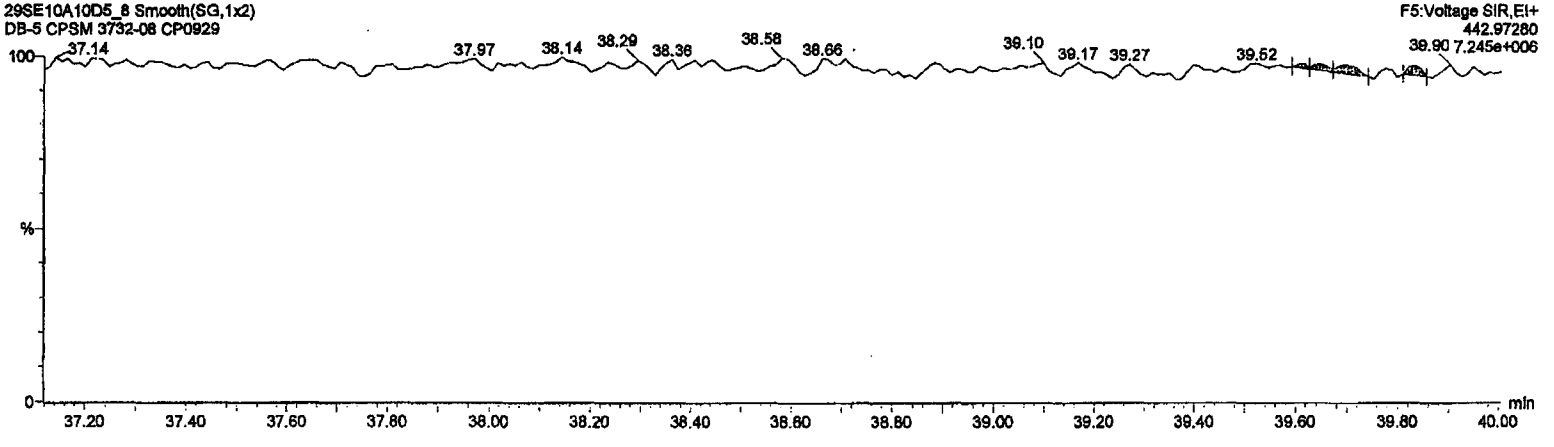
Last Altered: Thursday, September 30, 2010 10:31:02 Pacific Daylight Time
Printed: Thursday, September 30, 2010 10:32:02 Pacific Daylight Time

Name: 29SE10A10D5_8, Date: 29-Sep-2010, Time: 23:52:50, ID: CP0929, Description: DB-5 CPSM 3732-08

OCDF PCDPE



Function 5 PFK



Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID (DB225, DB225AIR) 121410SD2

Method ID 1613B, 8290, TO9, 23, 0023A — Date Scanned _____

Column ID DB225 — Instrument ID 5D2

STD ID's ST1214, ST1214A → D — STD Solution 10 DXN (503 → 507)

GC Program DB225 — Multiplier Setting 750 kV

Analyzed By KSS — Date Analyzed 12-14-10

Prepared By KSS — Date Prepared 12-15-10

Reviewed By AS — Date Reviewed 12-15-10

Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Beginning and Ending Static resolution check present?	✓	✓
DLM02.2: Beginning and ending CPSM blow ups present?	✓	✓
DLM02.2: CPSM valley < 25%. Resolution documented below? **	✓	✓
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?	✓	✓
DLM02.2: Absolute retention time for 13C12-1,2,3,4-TCDD > 25 minutes on a DB-5 column or 13C12-1,2,3,4-TCDD > 15 minutes on a DB-225 column? ICAL CS3 Absolute RT = 15:18	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

CPSM 1 Valley = 17% ; CPSM 2 Valley = 17%

* Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N≥10
Method 1613B/DLM02.2: %RSD≤ 20% natives, ≤30% labeled compounds; S/N ≥10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

** **DLM02.2 CPSM Criteria:** 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run: 29OC10B5D2 Analyte: DB225AIR Cal: DB225AIR1214105D2

ST1214 :10DXN503 CS11214 KSS ST1214A :10DXN504 CS21214A ╗ ST1214B :10DXN505 CS31414B ╗
ST1214C :10DXN506 CS41214C ╗ ST1214D :10DXN507 CS51214D ╗

				14DE10B5D214DE10B5D214DE10B5D214DE10B5D214DE10B5D2				
				S3	S4	S5	S6	S7
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.023	0.106	5.26 %	1.92	2.07	2.18	2.00	1.94
2,3,7,8-TCDF	1.012	0.027	2.71 %	1.04	1.03	0.98	1.01	1.00
13C-2,3,7,8-TCDD	0.985	0.061	6.17 %	0.99	1.01	1.05	0.99	0.89
2,3,7,8-TCDD	1.562	0.050	3.20 %	1.59	1.61	1.54	1.59	1.48
37Cl-2,3,7,8-TCDD	1.774	0.040	2.28 %	1.76	1.84	1.76	1.79	1.73

Run #1 Filename 14DE10B5D2 S: 3 I: 1
Acquired: 14-DEC-10 14:15:32 Processed: 15-DEC-10 08:46:35
Run: 29OC10B5D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
Comments:
Sample text: ST1214 :10DXN503 CS11214 KSS

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	198210300	0.80	y	15:19	-	100.00	n
13C-2,3,7,8-TCDF	380145000	0.79	y	16:32	1.918	100.00	n
2,3,7,8-TCDF	1983432	0.71	y	16:33	1.044	0.50	n
13C-2,3,7,8-TCDD	196387400	0.78	y	15:00	0.991	100.00	n
2,3,7,8-TCDD	1557338	0.81	y	15:01	1.586	0.50	n
37Cl-2,3,7,8-TCDD	1725766	1.00	y	15:01	1.758	0.50	n

Run #2 Filename 14DE10B5D2 S: 4 I: 1
Acquired: 14-DEC-10 14:51:46 Processed: 15-DEC-10 08:46:35
Run: 29OC10B5D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
Comments:
Sample text: ST1214A :10DXN504 CS21214A KSS

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	187943700	0.80	y	15:19	-	100.00	n
13C-2,3,7,8-TCDF	389377000	0.80	y	16:32	2.072	100.00	n
2,3,7,8-TCDF	8053700	0.72	y	16:33	1.034	2.00	n
13C-2,3,7,8-TCDD	189250100	0.79	y	15:00	1.007	100.00	n
2,3,7,8-TCDD	6102500	0.83	y	15:01	1.612	2.00	n
37Cl-2,3,7,8-TCDD	6946640	1.00	y	15:01	1.835	2.00	n

Run #3 Filename 14DE10B5D2 S: 5 I: 1
Acquired: 14-DEC-10 15:28:06 Processed: 15-DEC-10 08:46:36
Run: 29OC10B5D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
Comments:
Sample text: ST1214B :10DXN505 CS31414B KSS

Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	177466300	0.83	y	15:18	-	100.00	n
13C-2,3,7,8-TCDF	387007000	0.78	y	16:32	2.181	100.00	n
2,3,7,8-TCDF	37792600	0.73	y	16:33	0.977	10.00	n
13C-2,3,7,8-TCDD	186625100	0.81	y	14:59	1.052	100.00	n
2,3,7,8-TCDD	28785200	0.78	y	15:01	1.542	10.00	n
37Cl-2,3,7,8-TCDD	32922600	1.00	y	15:01	1.764	10.00	n

Run #4 Filename 14DE10B5D2 S: 6 I: 1
Acquired: 14-DEC-10 16:04:28 Processed: 15-DEC-10 08:46:36
Run: 29OC10B5D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
Comments:
Sample text: ST1214C :10DXN506 CS41214C KSS

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	182473800	0.78 y	15:18	-	100.00	n
13C-2,3,7,8-TCDF	364998000	0.79 y	16:32	2.000	100.00	n
2,3,7,8-TCDF	147314700	0.71 y	16:32	1.009	40.00	n
13C-2,3,7,8-TCDD	180660100	0.80 y	15:00	0.990	100.00	n
2,3,7,8-TCDD	114557500	0.78 y	15:00	1.585	40.00	n
37Cl-2,3,7,8-TCDD	129089600	1.00 y	15:00	1.786	40.00	n

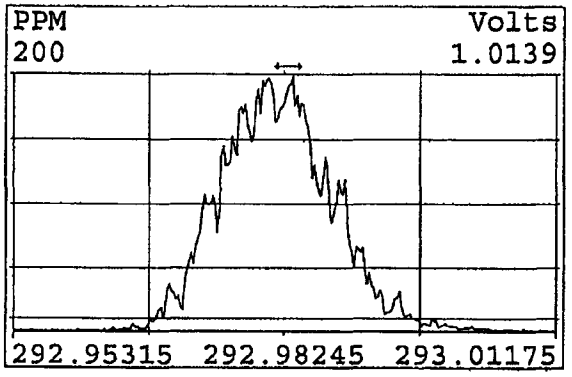
Run #5 Filename 14DE10B5D2 S: 7 I: 1
Acquired: 14-DEC-10 16:40:49 Processed: 15-DEC-10 08:46:36
Run: 29OC10B5D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
Comments:
Sample text: ST1214D :10DXN507 CS51214D KSS

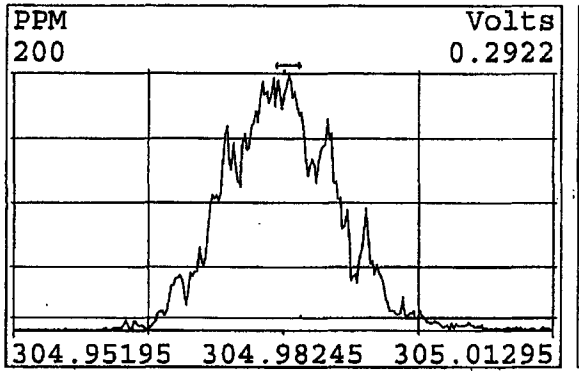
Name	Resp	RA		RT	RRF		Mod?
13C-1,2,3,4-TCDD	202676800	0.80	y	15:18	-	100.00	n
13C-2,3,7,8-TCDF	393685000	0.80	y	16:31	1.942	100.00	n
2,3,7,8-TCDF	784363000	0.73	y	16:32	0.996	200.00	n
13C-2,3,7,8-TCDD	179577700	0.79	y	14:59	0.886	100.00	n
2,3,7,8-TCDD	533290000	0.79	y	15:00	1.485	200.00	n
37Cl-2,3,7,8-TCDD	620084000	1.00	y	15:00	1.727	200.00	n

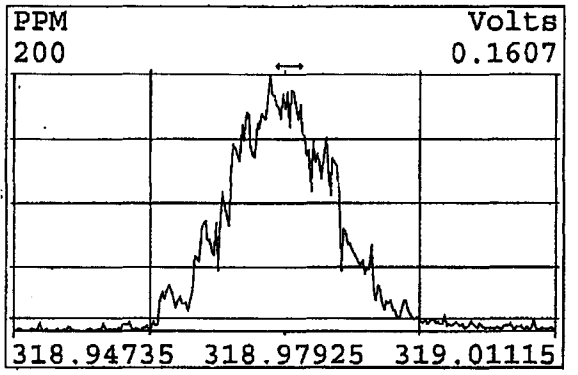
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
14DE10B5D2	1	CP1214	DB-225 3732-11 CPS1214 KSS				1.0000	
14DE10B5D2	2	SB1214	Solvent Blank C-14 SB1214 KSS				1.0000	
14DE10B5D2	3	ST1214	10DXN503 CS11214 KSS				1.0000	
14DE10B5D2	4	ST1214A	10DXN504 CS21214A KSS				1.0000	
14DE10B5D2	5	ST1214B	10DXN505 CS31414B KSS				1.0000	
14DE10B5D2	6	ST1214C	10DXN506 CS41214C KSS				1.0000	
14DE10B5D2	7	ST1214D	10DXN507 CS51214D KSS				1.0000	
14DE10B5D2	8	SB1214A	Solvent Blank C-14 SB1214A KSS				1.0000	
14DE10B5D2	9	ST1214E	10DXN340 Second Source KSS				1.0000	
14DE10B5D2	10	CP1214A	DB-225 3732-11 CPS1214A KSS				1.0000	
14DE10B5D2	11						1.0000	
14DE10B5D2	12						1.0000	
14DE10B5D2	13						1.0000	
14DE10B5D2	14						1.0000	
14DE10B5D2	15						1.0000	
14DE10B5D2	16						1.0000	
14DE10B5D2	17		KSS 12-14-10				1.0000	
14DE10B5D2	18						1.0000	

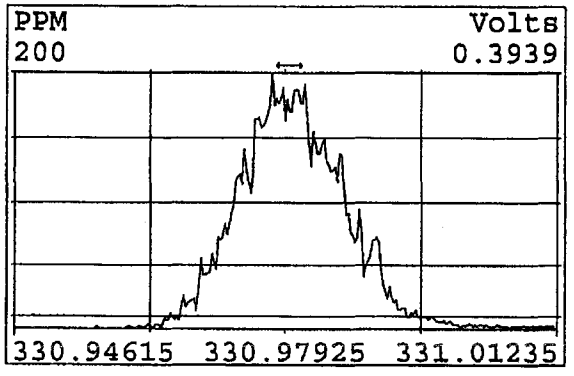
log file Vd
KS
12-15-10

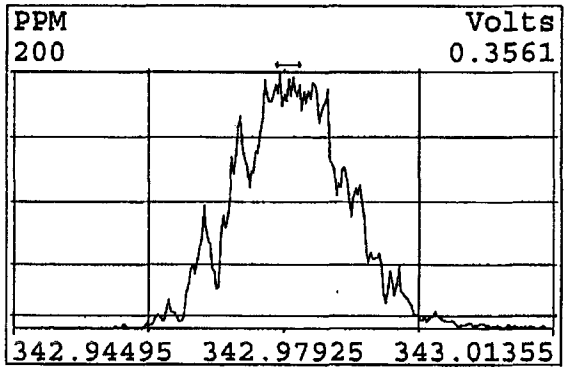
Peak Locate Examination:14-DEC-2010:13:01 File:14DE10B5D2
Experiment:DB225RES Function:1 Reference:PFK

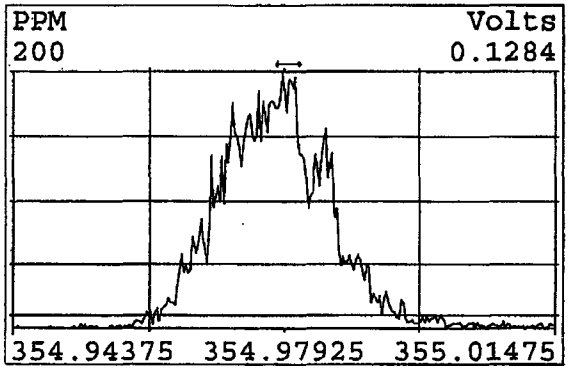


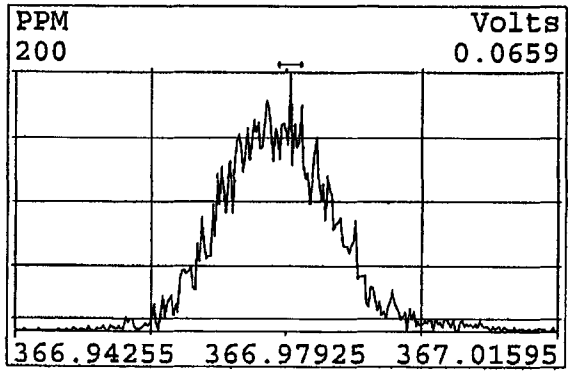


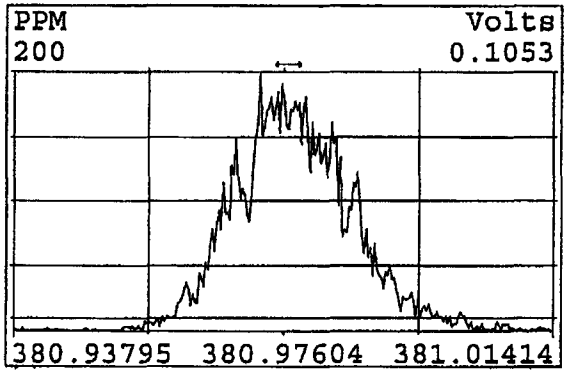




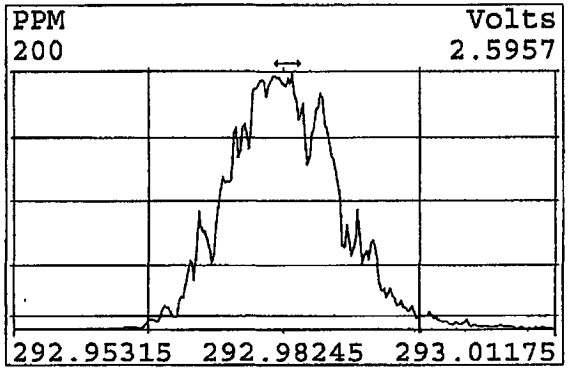


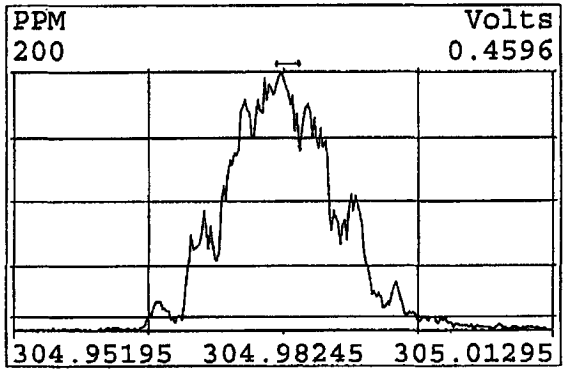


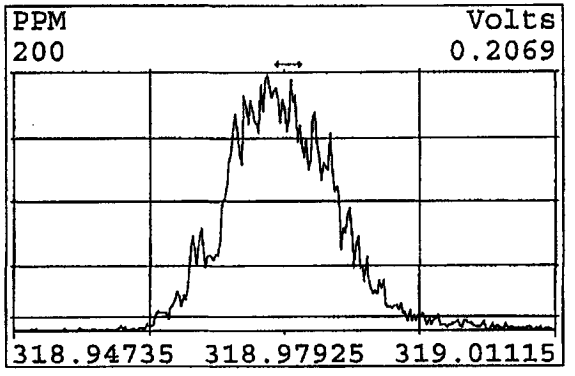


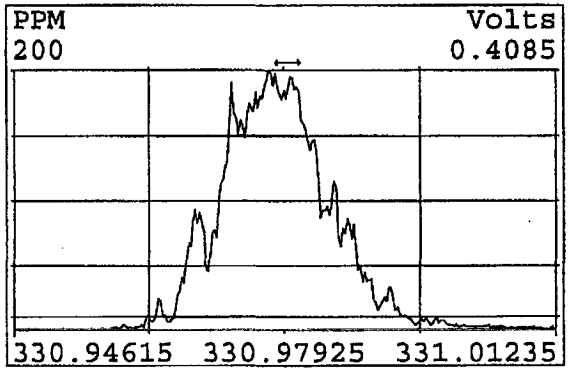


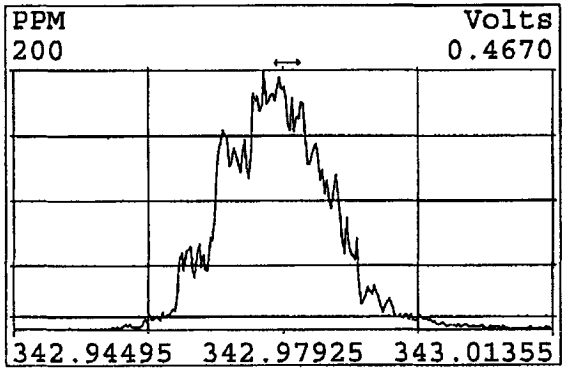
Peak Locate Examination:14-DEC-2010:19:44 File:RESCHK14DE10B5D2
Experiment:DB225RES Function:1 Reference:PFK

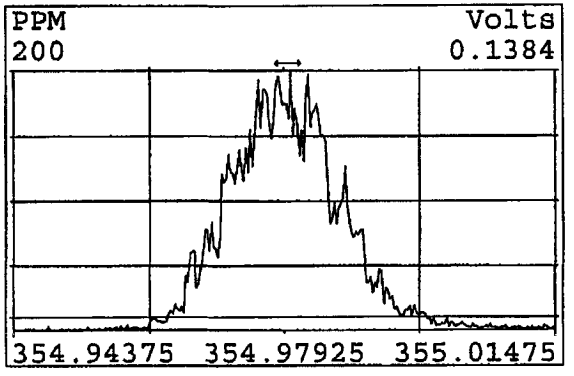


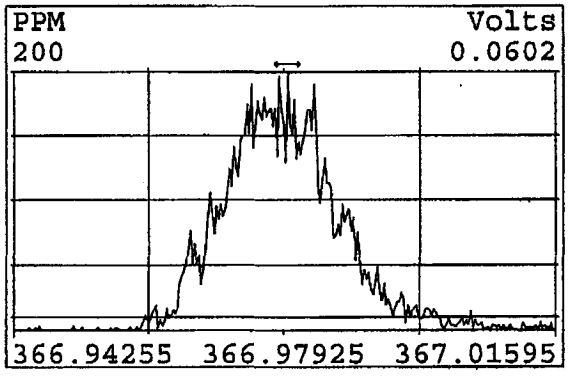


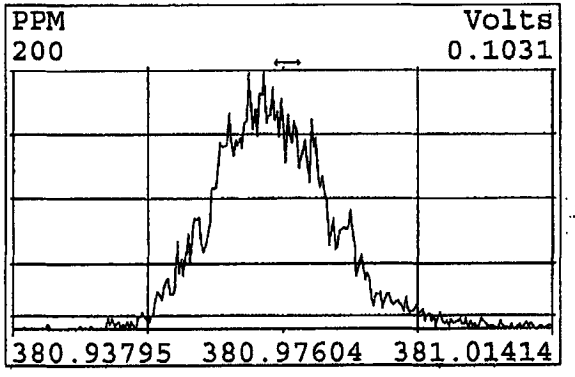


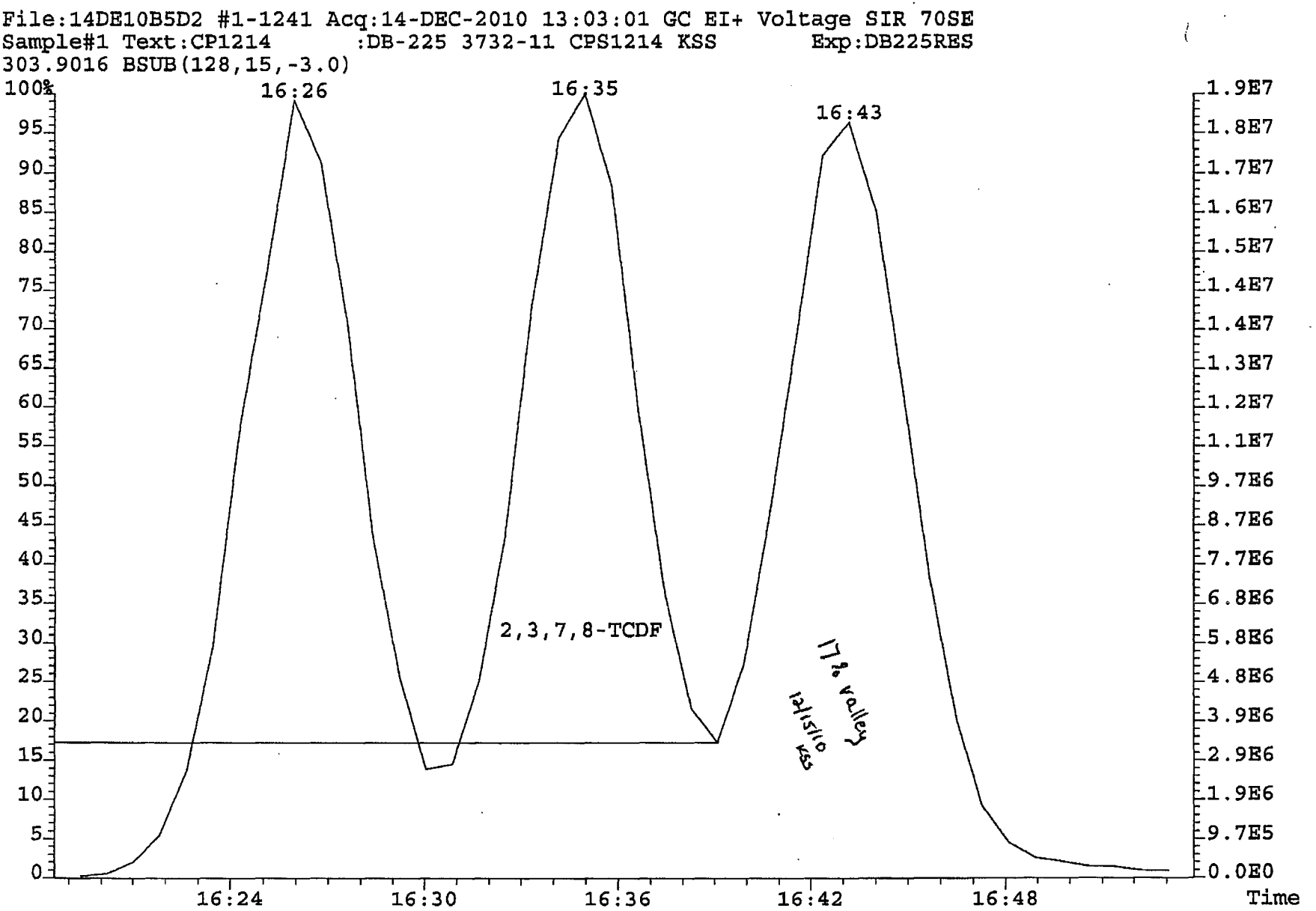


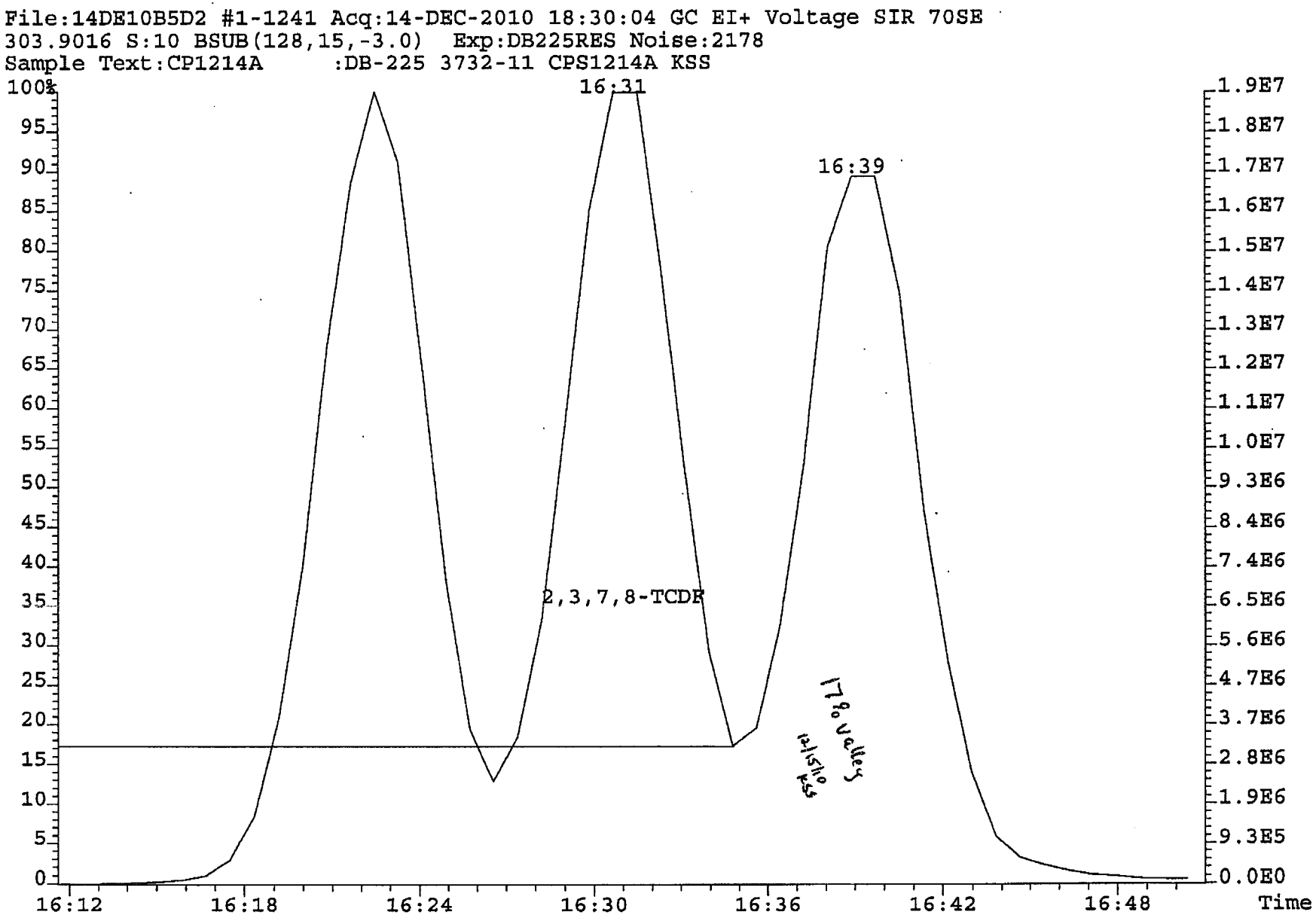









File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES
303.9016 BSUB(128,15,-3.0)
16:26
16:35
16:43
2,3,7,8-TCDF
17% valley
100%
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1.9E7
1.8E7
1.7E7
1.6E7
1.5E7
1.4E7
1.4E7
1.3E7
1.2E7
1.1E7
9.7E6
8.7E6
7.7E6
6.8E6
5.8E6
4.8E6
3.9E6
2.9E6
1.9E6
9.7E5
0.0E0
16:24
16:30
16:36
16:42
16:48
Time

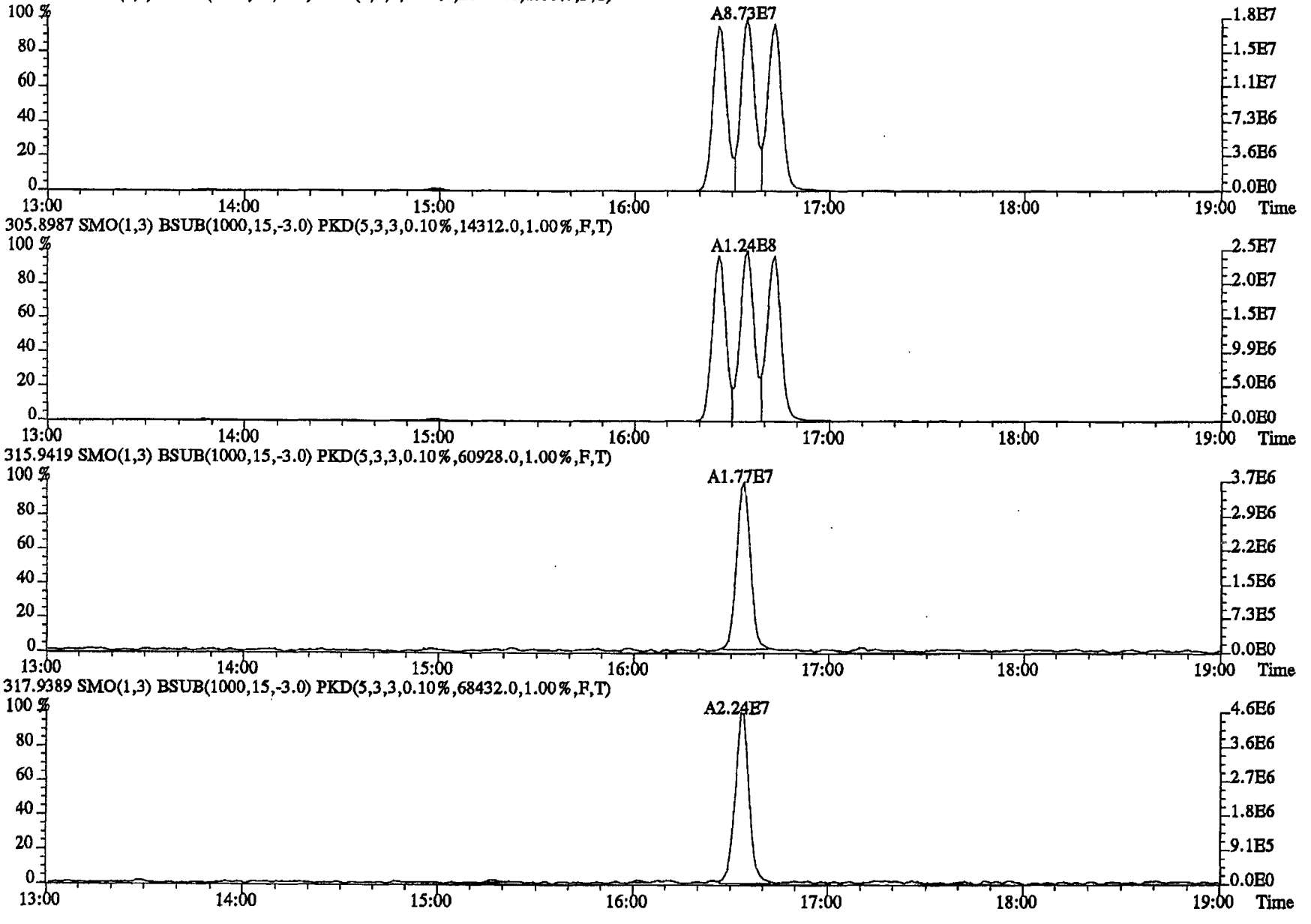

File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 18:30:04 GC EI+ Voltage SIR 70SE
303.9016 S:10 BSUB(128,15,-3.0) Exp:DB225RES Noise:2178
Sample Text:CP1214A :DB-225 3732-11 CPS1214A KSS
16:31
16:39
2,3,7,8-TCDF
100%
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1.9E7
1.8E7
1.7E7
1.6E7
1.5E7
1.4E7
1.3E7
1.2E7
1.1E7
1.0E7
9.3E6
8.4E6
7.4E6
6.5E6
5.6E6
4.7E6
3.7E6
2.8E6
1.9E6
9.3E5
0.0E0
16:12
16:18
16:24
16:30
16:36
16:42
16:48
Time

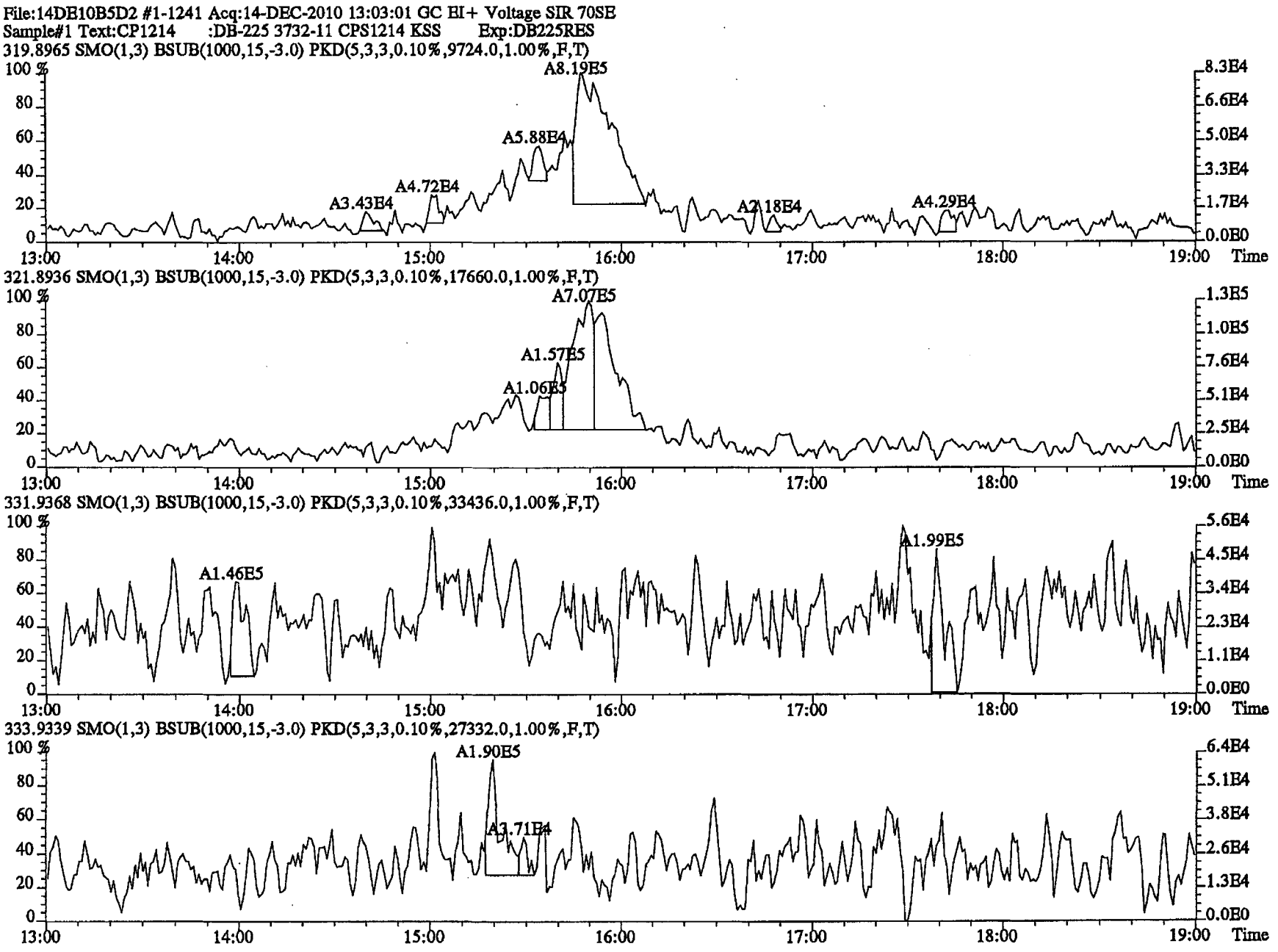
Run text: ST1214E Sample text: ST1214E :10DXN340 Second Source KSS
Run #6 Filename: 14DE10B5D2 S: 9 I: 1 Results: 14DE10B5D2DB225
Acquired: 14-DEC-10 17:53:39 Processed: 14-DEC-10 18:26:25
Run: 14DE10B5D2 Analyte: DB225 Cal: DB2251214105D2
Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000 spiked @ 200 pg

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	168736500	0.79 y	15:15	-	88.92	-	-	n
13C-2,3,7,8-TCDF	382850000	0.80 y	16:29	2.02	2243.55	10.19	112.2	n
2,3,7,8-TCDF	36609000	0.72 y	16:29	1.01	189.00 (94.5 %R)	1.72	-	n
13C-2,3,7,8-TCDD	166332300	0.81 y	14:57	0.99	2001.34	9.02	100.1	n
2,3,7,8-TCDD	24991900	0.78 y	14:57	1.56	192.37 (96.2 %R)	2.86	-	n
37Cl-2,3,7,8-TCDD	57132800	1.00 y	14:57	1.75	387.28	4.57	96.8	n

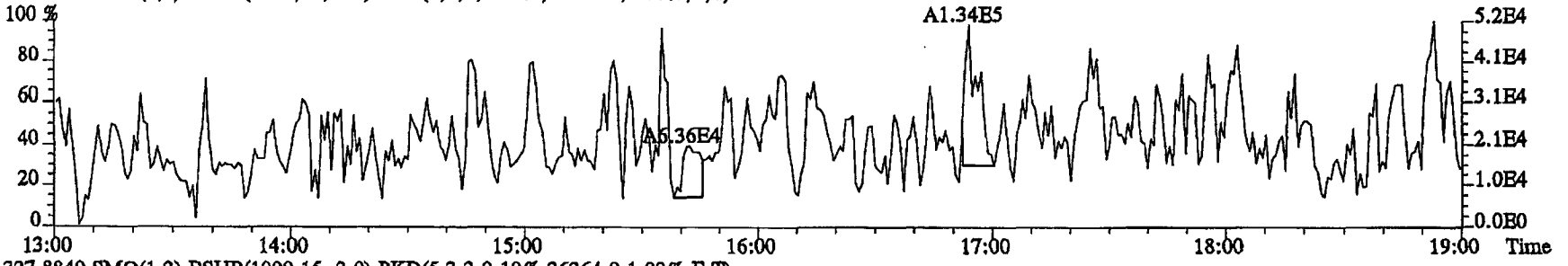
12/15/10 KSS

File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES

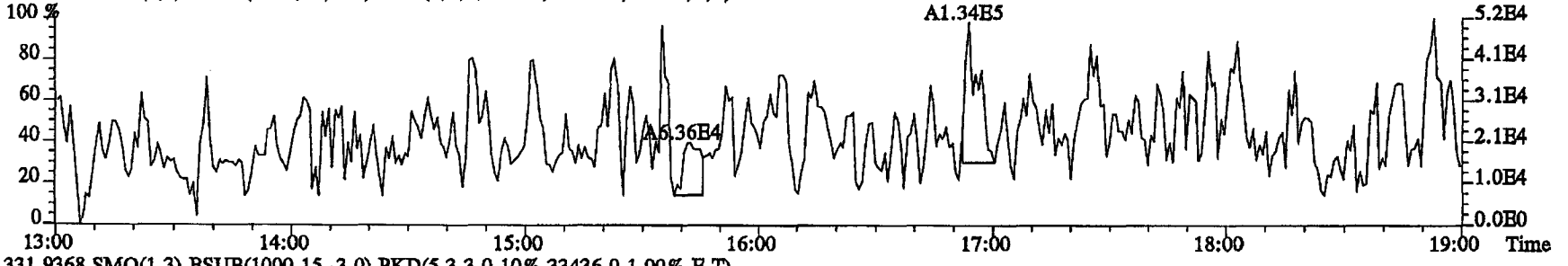



File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9724.0,1.00%,F,T)
A8.19E5
A5.88E4
A4.72E4
A3.43E4
A2.18E4
A4.29E4
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17660.0,1.00%,F,T)
A7.07E5
A1.57E5
A1.06E5
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33436.0,1.00%,F,T)
A1.99E5
A1.46E5
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27332.0,1.00%,F,T)
A1.90E5
A3.71E4
100 %
80
60
40
20
0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
8.3E4
6.6E4
5.0E4
3.3E4
1.7E4
0.0E0
1.3E5
1.0E5
7.6E4
5.1E4
2.5E4
5.6E4
4.5E4
3.4E4
2.3E4
1.1E4
6.4E4
5.1E4
3.8E4
2.6E4
1.3E4

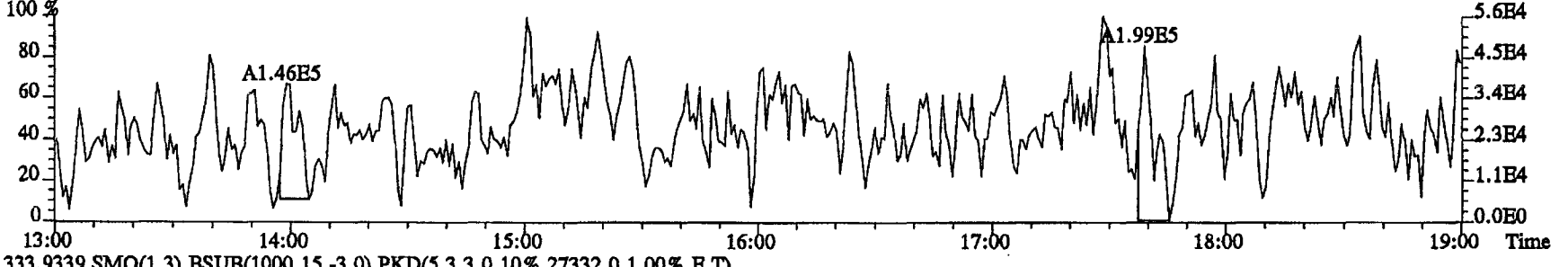
File:14DB10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26264.0,1.00%,F,T)



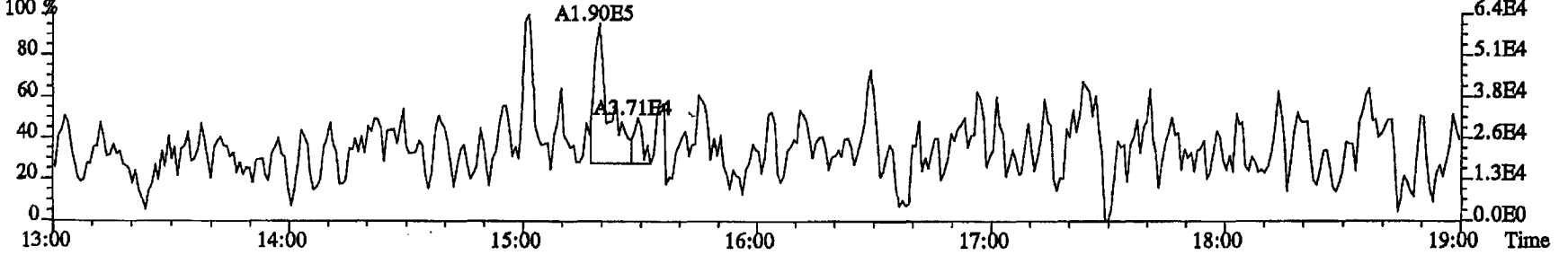
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26264.0,1.00%,F,T)



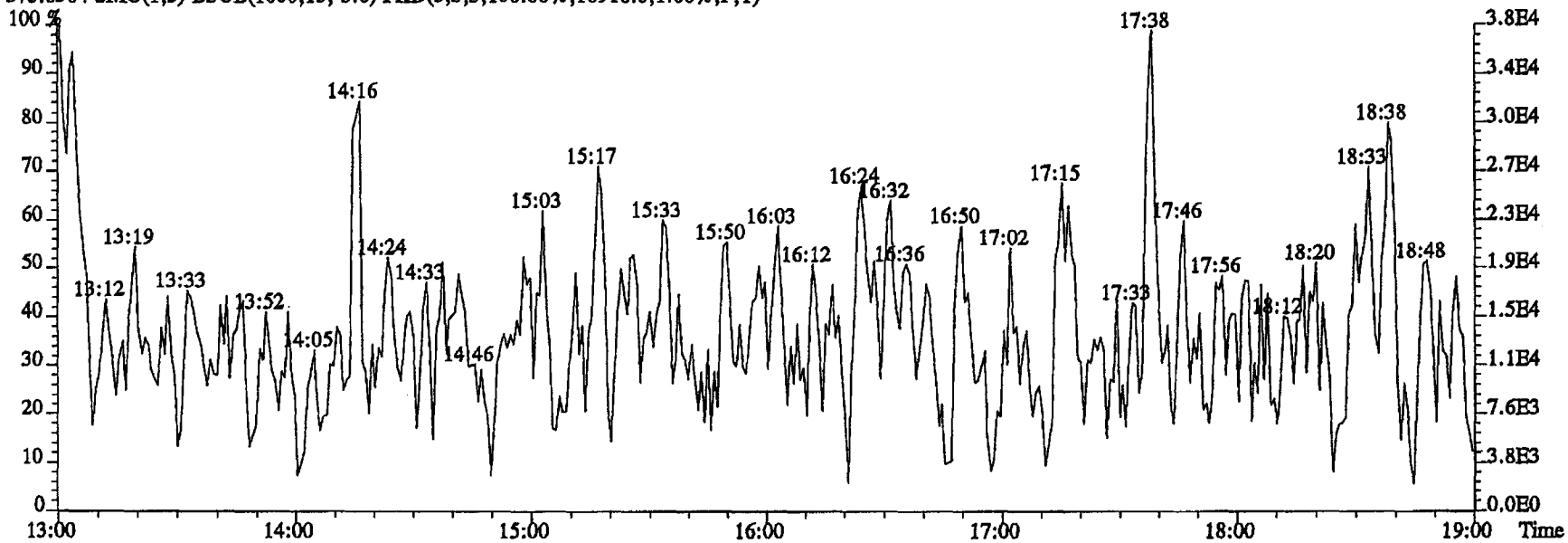
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33436.0,1.00%,F,T)



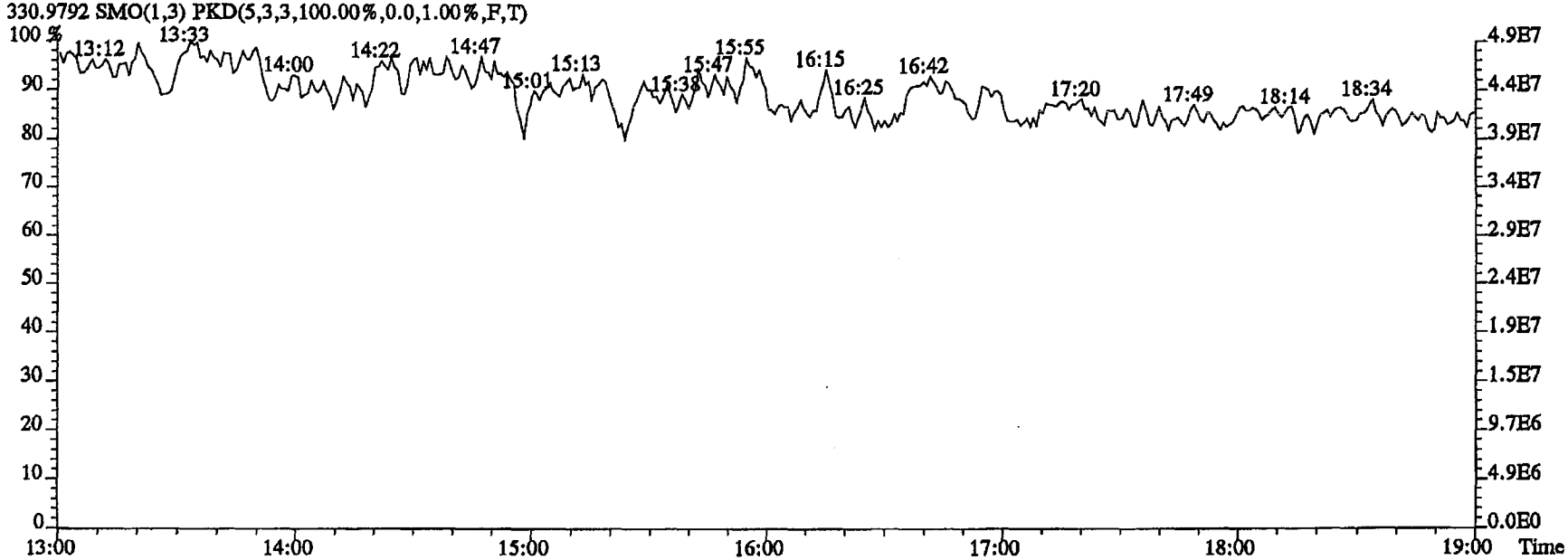
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27332.0,1.00%,F,T)



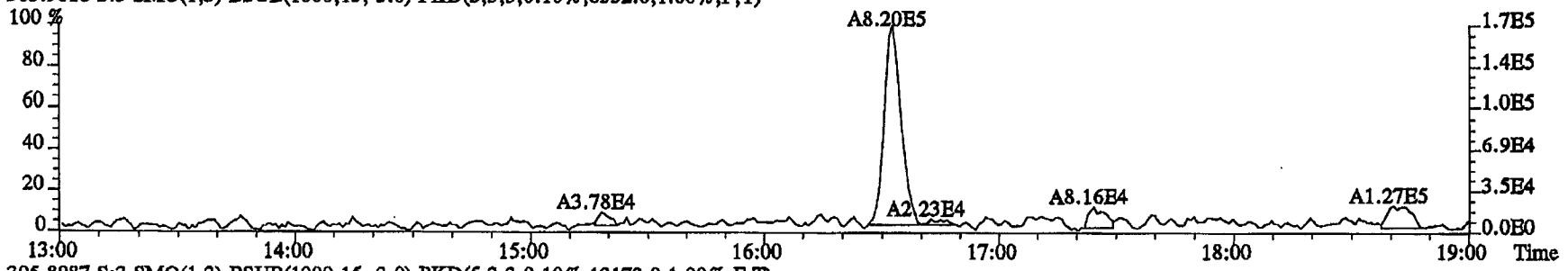
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,16916.0,1.00%,F,T)



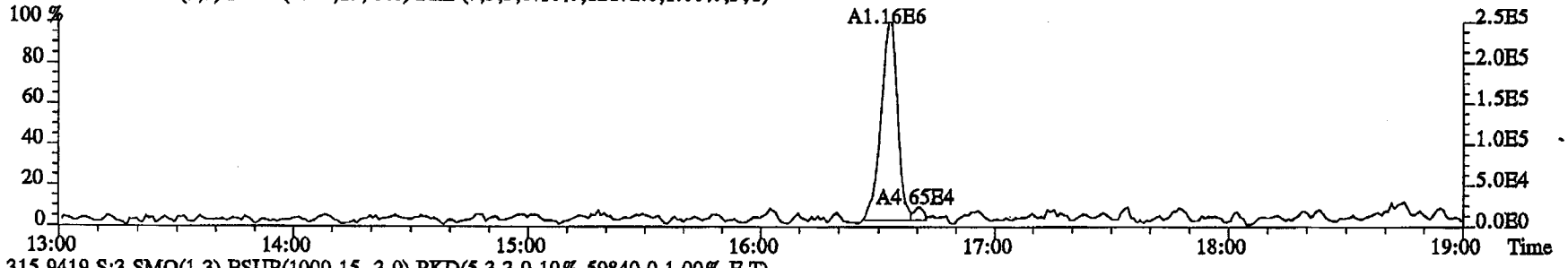
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



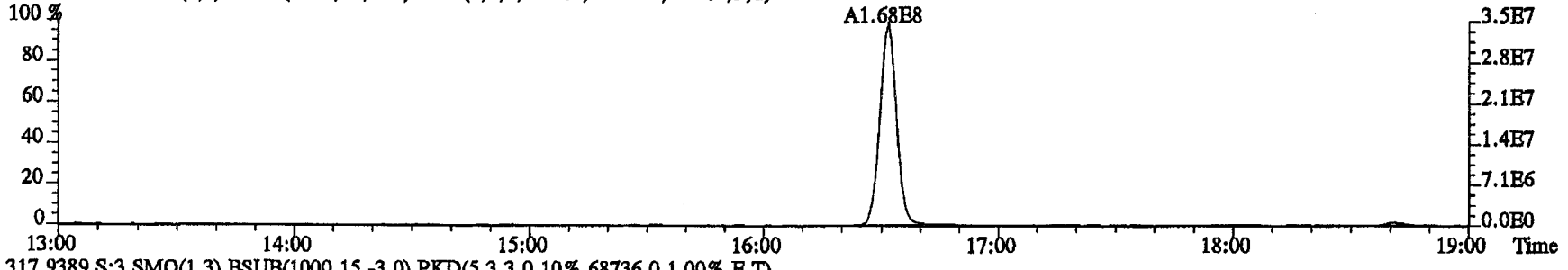
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:15:32 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1214 :10DXN503 CS11214 KSS Exp:DB225RES
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8552.0,1.00%,F,T)



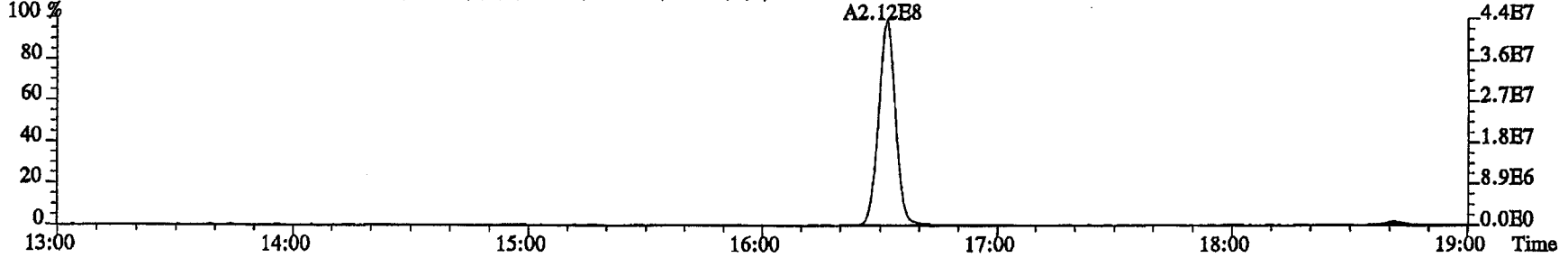
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12172.0,1.00%,F,T)

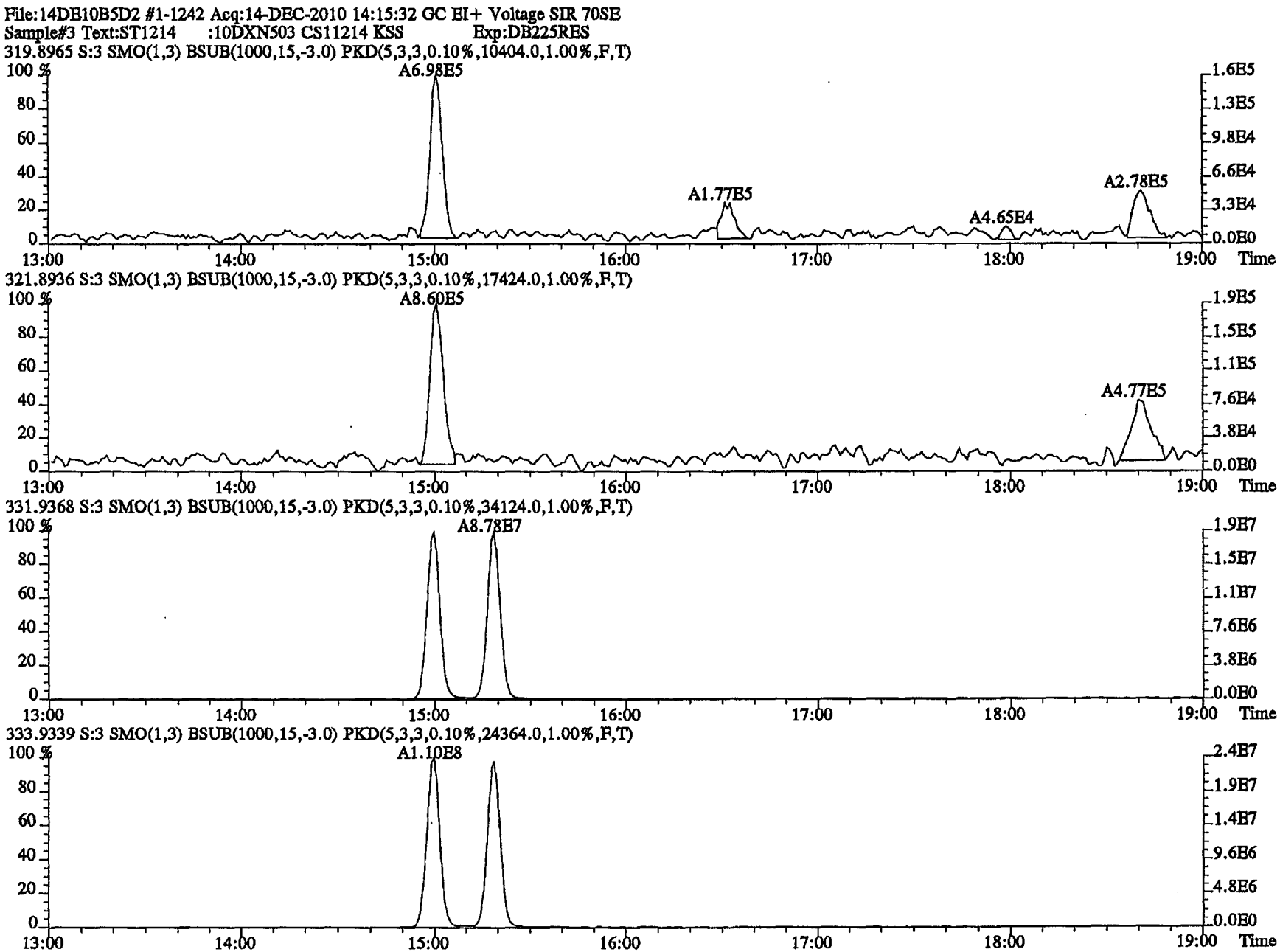


315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,59840.0,1.00%,F,T)

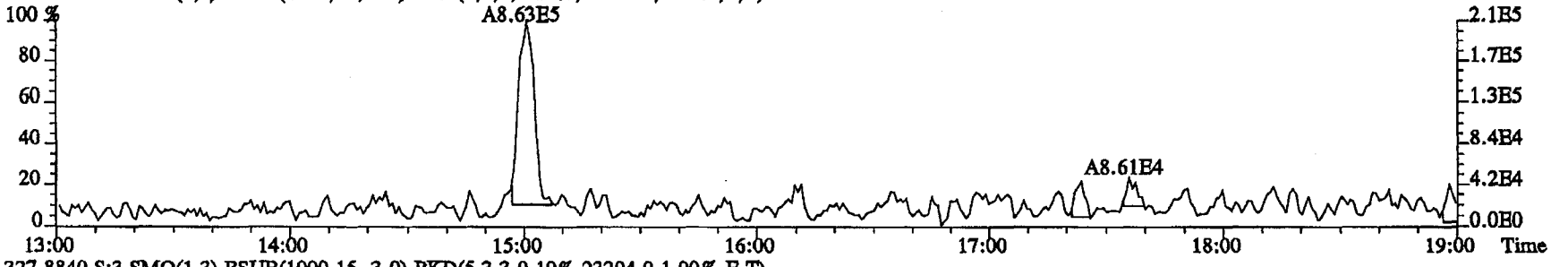


317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68736.0,1.00%,F,T)

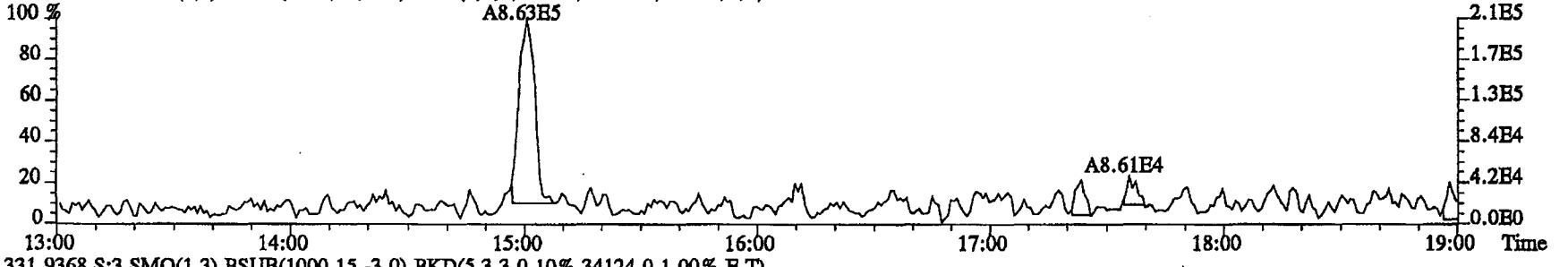



File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:15:32 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1214 :10DXN503 CS11214 KSS Exp:DB225RES
319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10404.0,1.00%,F,T)
A6.98E5
A1.77E5
A4.65E4
A2.78E5
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17424.0,1.00%,F,T)
A8.60E5
A4.77E5
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34124.0,1.00%,F,T)
A8.78E7
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24364.0,1.00%,F,T)
A1.10E8
100 %
80
60
40
20
0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
1.6E5
1.3E5
9.8E4
6.6E4
3.3E4
0.0E0
1.9E5
1.5E5
1.1E5
7.6E4
3.8E4
0.0E0
1.9E7
1.5E7
1.1E7
7.6E6
3.8E6
0.0E0
2.4E7
1.9E7
1.4E7
9.6E6
4.8E6
0.0E0

File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:15:32 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1214 :10DXN503 CS11214 KSS Exp:DB225RES
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23204.0,1.00%,F,T)

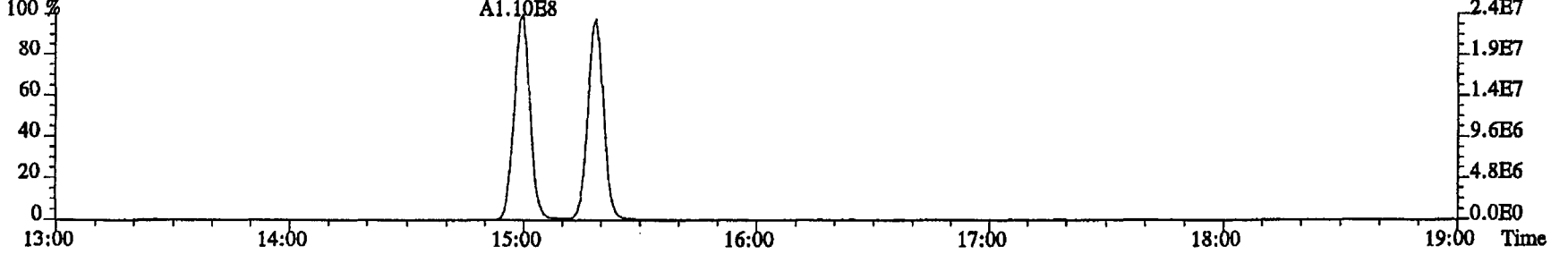


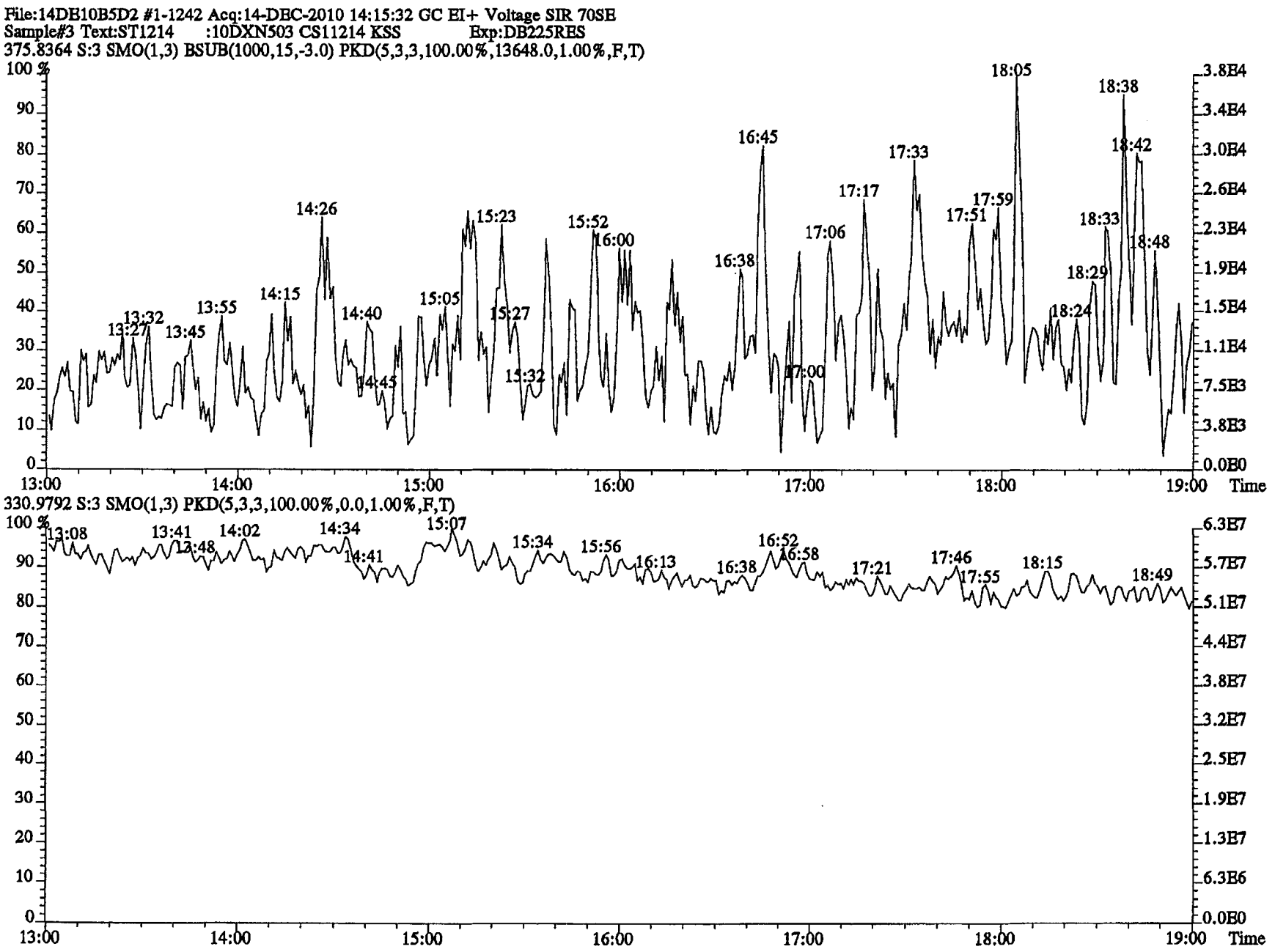
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23204.0,1.00%,F,T)



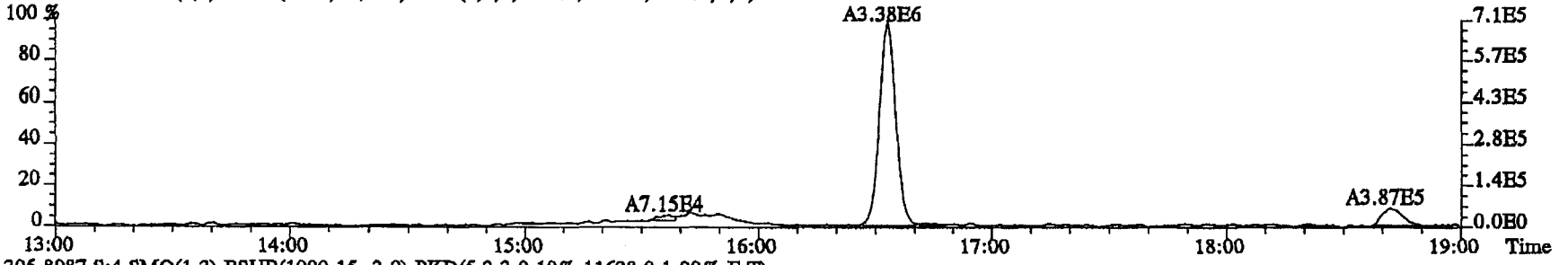
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34124.0,1.00%,F,T)

333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24364.0,1.00%,F,T)

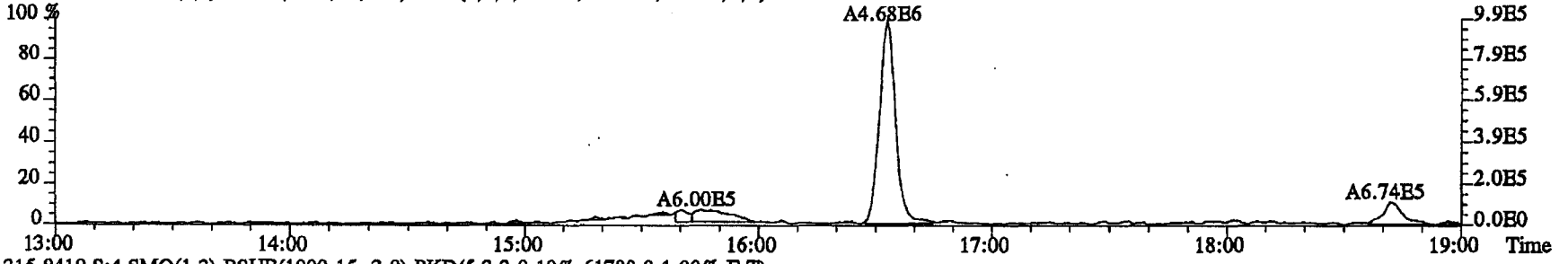



File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 14:15:32 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1214 :10DXN503 CS11214 KSS Exp:DB225RES
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,13648.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
3.8E4
3.4E4
3.0E4
2.6E4
2.3E4
1.9E4
1.5E4
1.1E4
7.5E3
3.8E3
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
13:27
13:32
13:45
13:55
14:15
14:26
14:40
14:45
15:05
15:23
15:27
15:32
15:52
16:00
16:38
16:45
17:00
17:06
17:17
17:33
17:51
17:59
18:05
18:24
18:29
18:33
18:38
18:42
18:48
330.9792 S:3 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
6.3E7
5.7E7
5.1E7
4.4E7
3.8E7
3.2E7
2.5E7
1.9E7
1.3E7
6.3E6
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
13:08
13:41
13:48
14:02
14:34
14:41
15:07
15:34
15:56
16:13
16:38
16:52
16:58
17:21
17:46
17:55
18:15
18:49

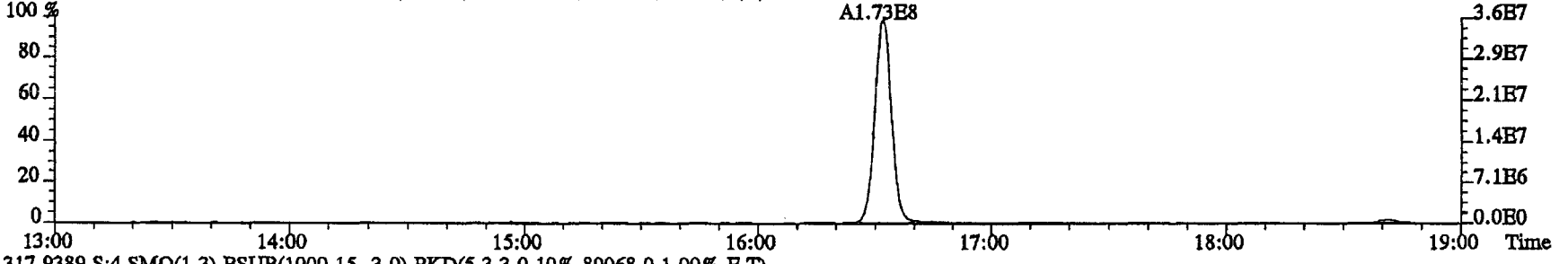
File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1214A :10DXN504 CS21214A KSS Exp:DB225RES
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8348.0,1.00%,F,T)



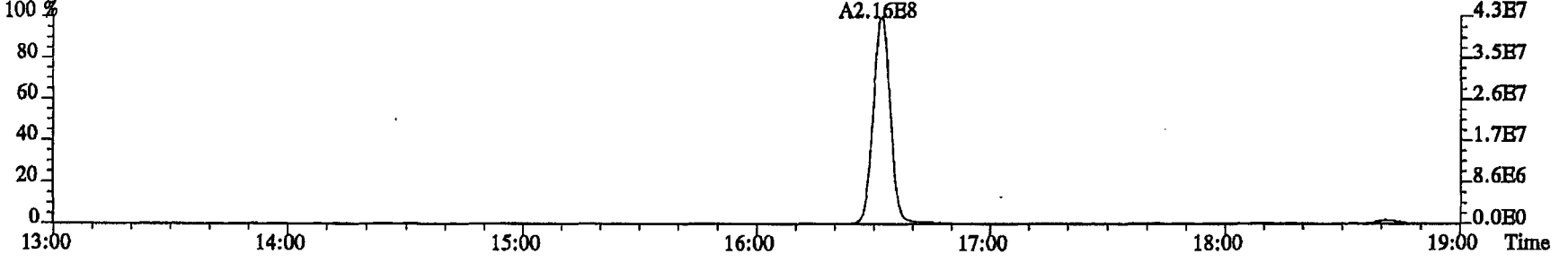
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11628.0,1.00%,F,T)

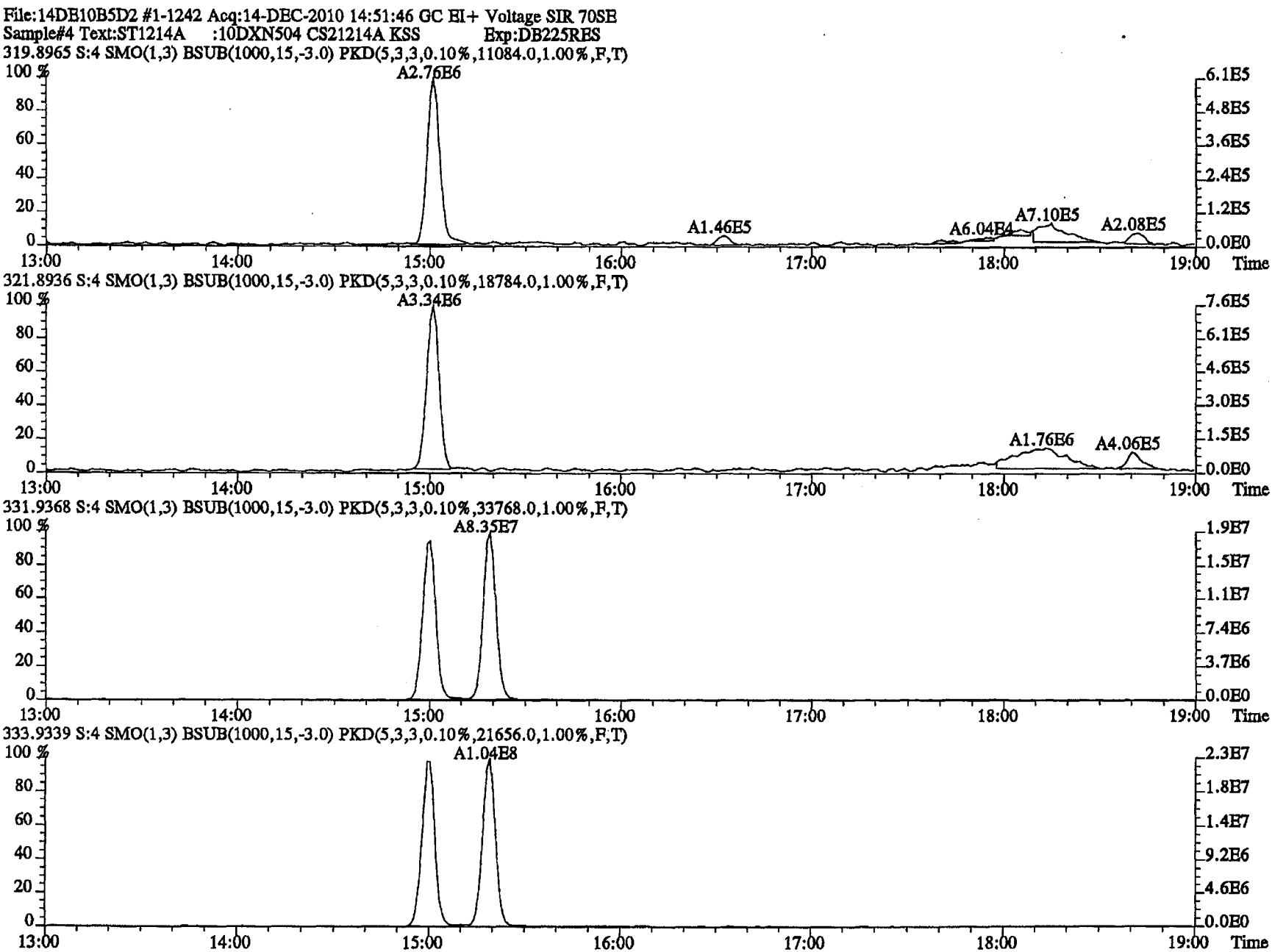


315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,61788.0,1.00%,F,T)

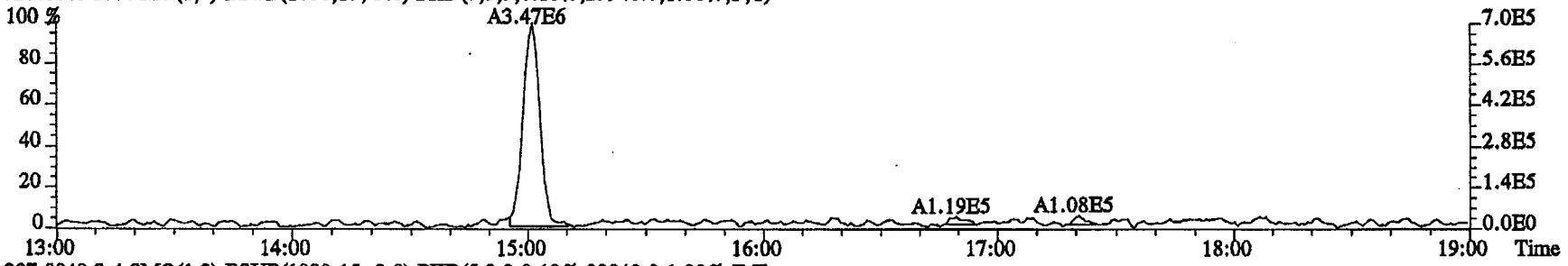


317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80068.0,1.00%,F,T)

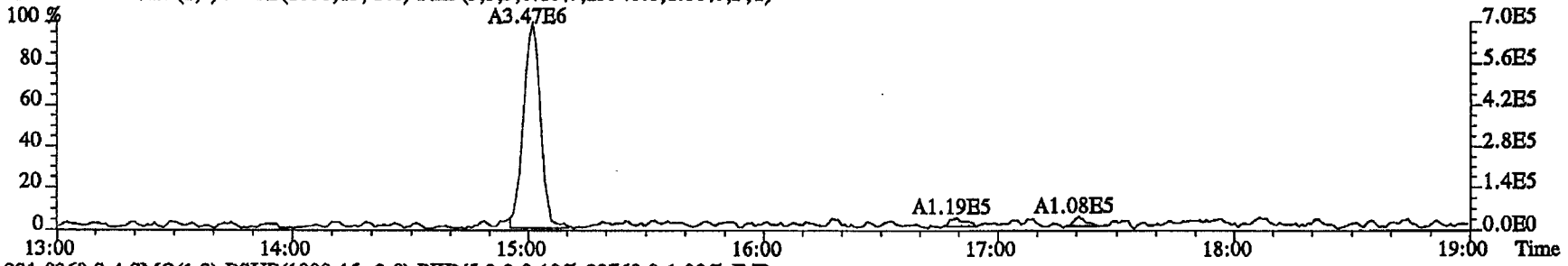



File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1214A :10DXN504 CS21214A KSS Exp:DB225RES
319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11084.0,1.00%,F,T)
A2.76E6
A1.46E5
A6.04E4
A7.10E5
A2.08E5
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18784.0,1.00%,F,T)
A3.34E6
A1.76E6
A4.06E5
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33768.0,1.00%,F,T)
A8.35E7
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21656.0,1.00%,F,T)
A1.04E8
100 %
80
60
40
20
0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
6.1E5
4.8E5
3.6E5
2.4E5
1.2E5
0.0E0
7.6E5
6.1E5
4.6E5
3.0E5
1.5E5
0.0E0
1.9E7
1.5E7
1.1E7
7.4E6
3.7E6
0.0E0
2.3E7
1.8E7
1.4E7
9.2E6
4.6E6
0.0E0

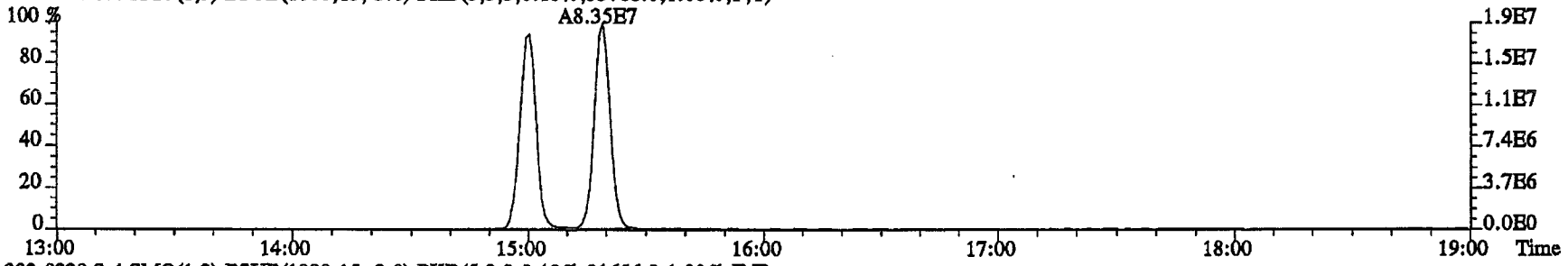
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1214A :10DXN504 CS21214A KSS Exp:DB225RES
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23940.0,1.00%,F,T)



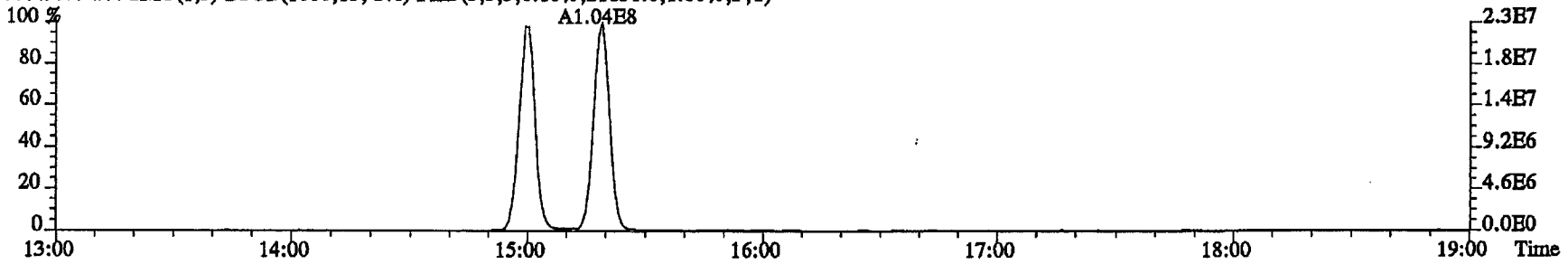
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23940.0,1.00%,F,T)

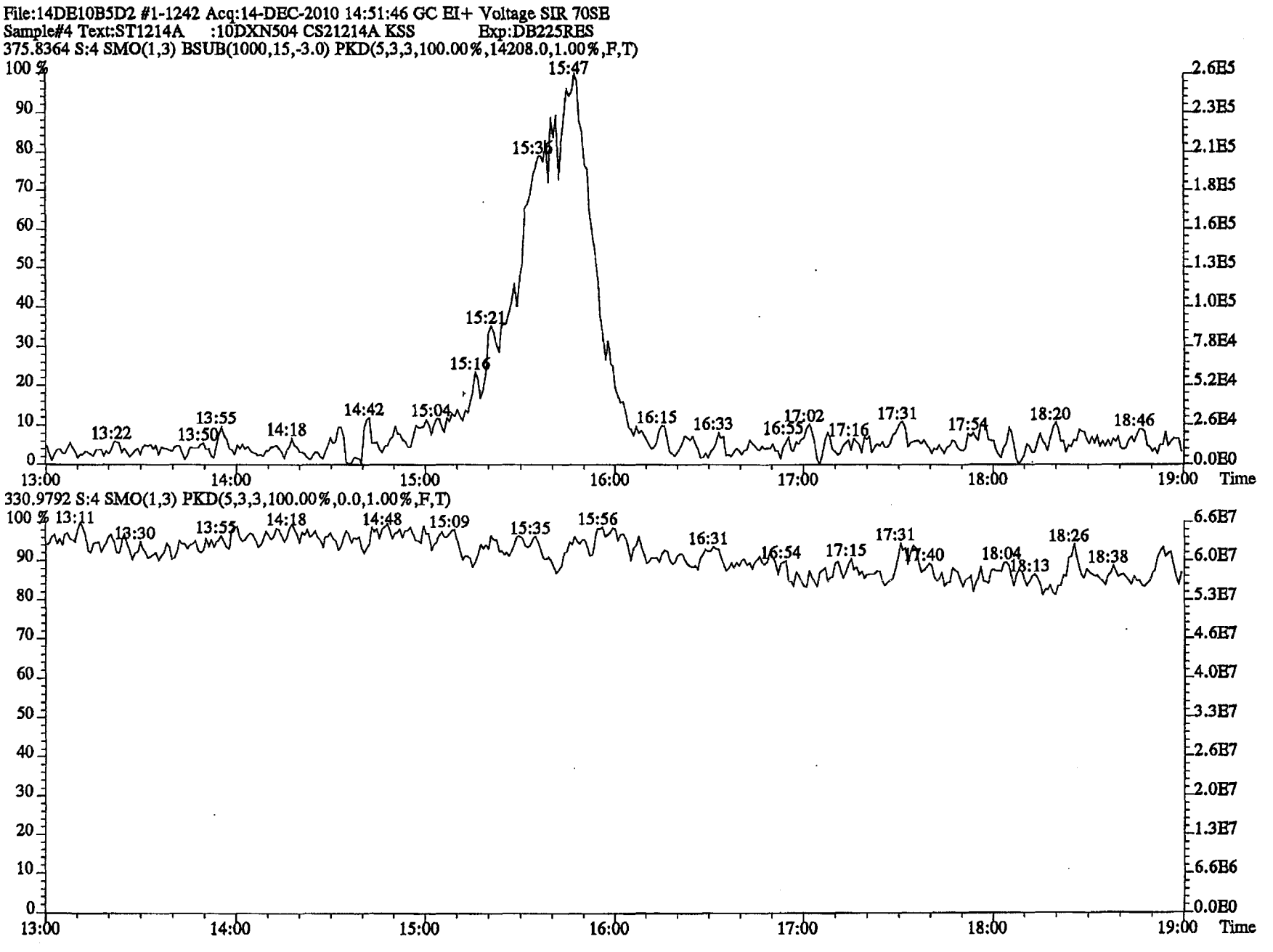


331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33768.0,1.00%,F,T)

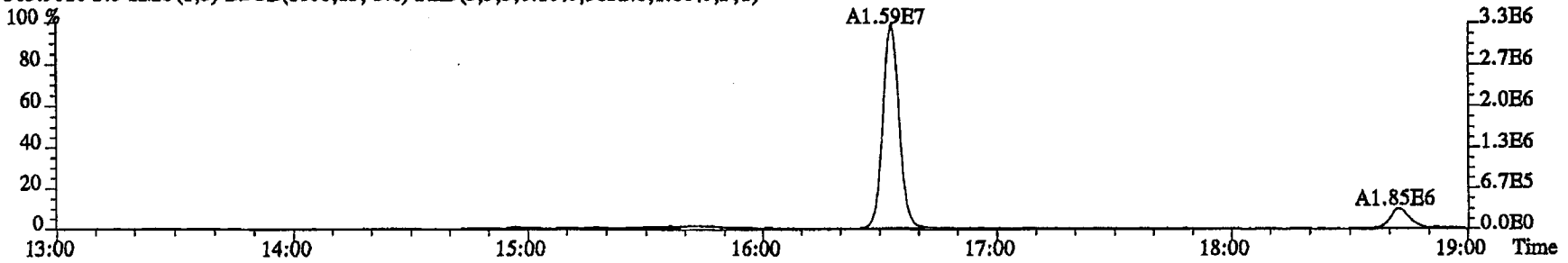


333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21656.0,1.00%,F,T)

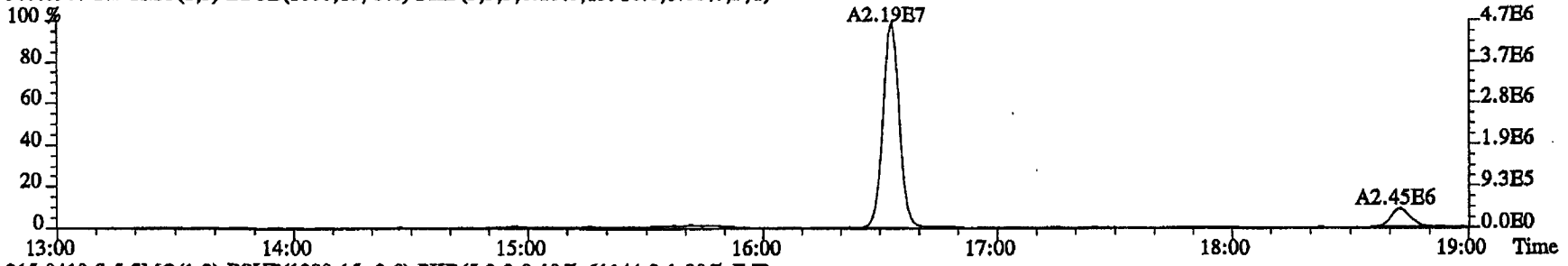



File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1214A :10DXN504 CS21214A KSS Exp:DB225RES
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,14208.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
2.6E5
2.3E5
2.1E5
1.8E5
1.6E5
1.3E5
1.0E5
7.8E4
5.2E4
2.6E4
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
15:47
15:36
15:21
15:16
13:22
13:50
13:55
14:18
14:42
15:04
16:15
16:33
16:55
17:02
17:16
17:31
17:54
18:20
18:46
330.9792 S:4 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
6.6E7
6.0E7
5.3E7
4.6E7
4.0E7
3.3E7
2.6E7
2.0E7
1.3E7
6.6E6
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
13:11
13:30
13:55
14:18
14:48
15:09
15:35
15:56
16:31
16:54
17:15
17:31
17:40
18:04
18:13
18:26
18:38

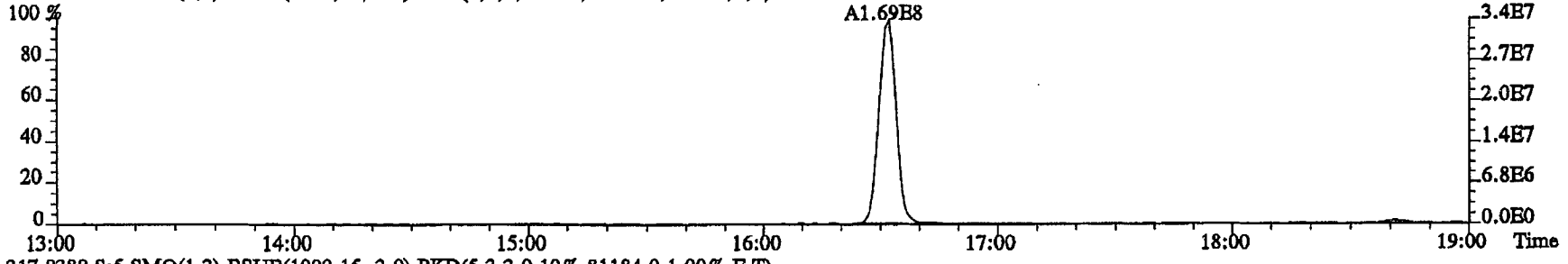
File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 15:28:06 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1214B :10DXN505 CS31414B KSS Exp:DB225RES
303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9832.0,1.00%,F,T)



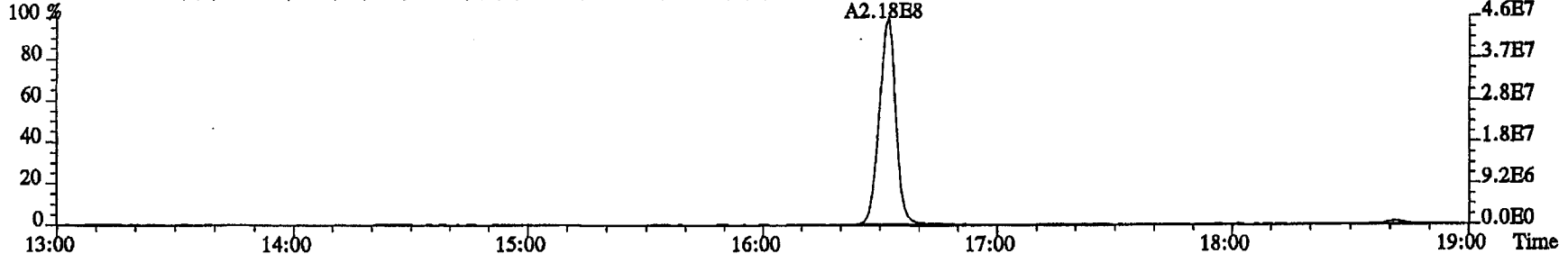
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13916.0,1.00%,F,T)



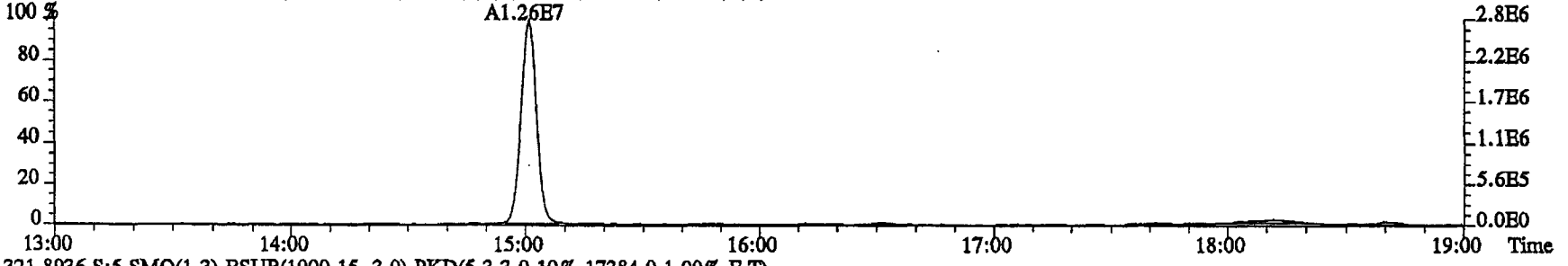
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,61144.0,1.00%,F,T)



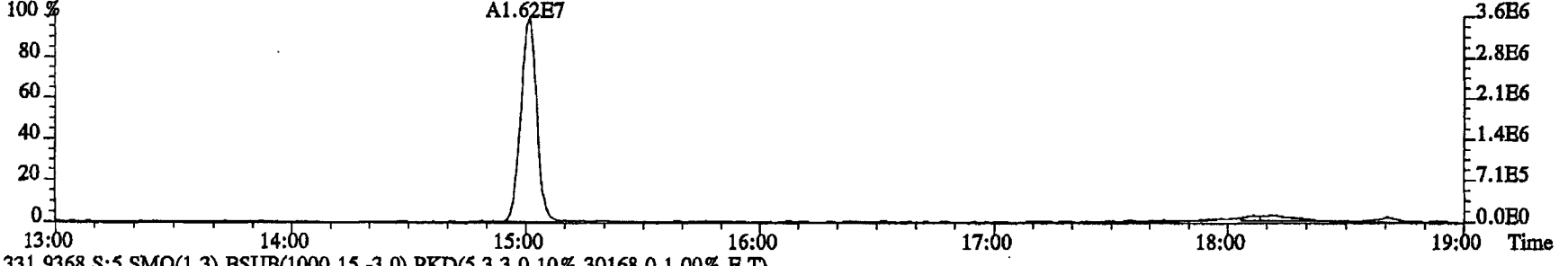
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,81184.0,1.00%,F,T)



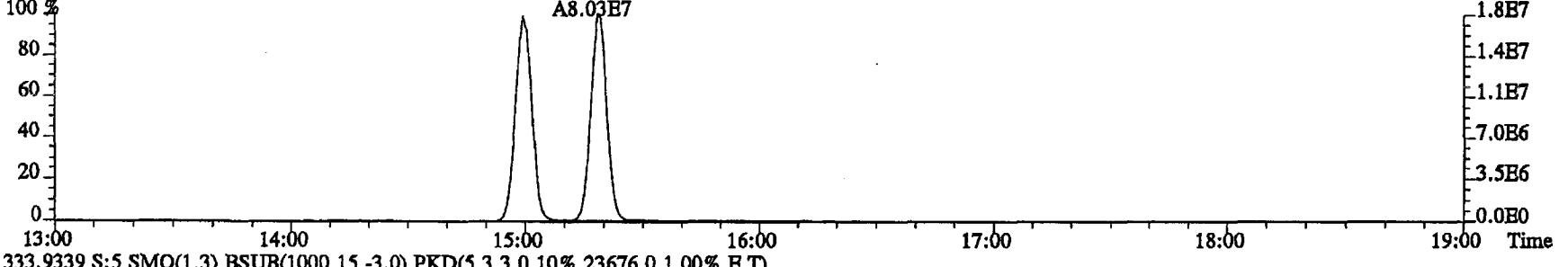
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 15:28:06 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1214B :10DXN505 CS31414B KSS Exp:DB225RES
319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11124.0,1.00%,F,T)



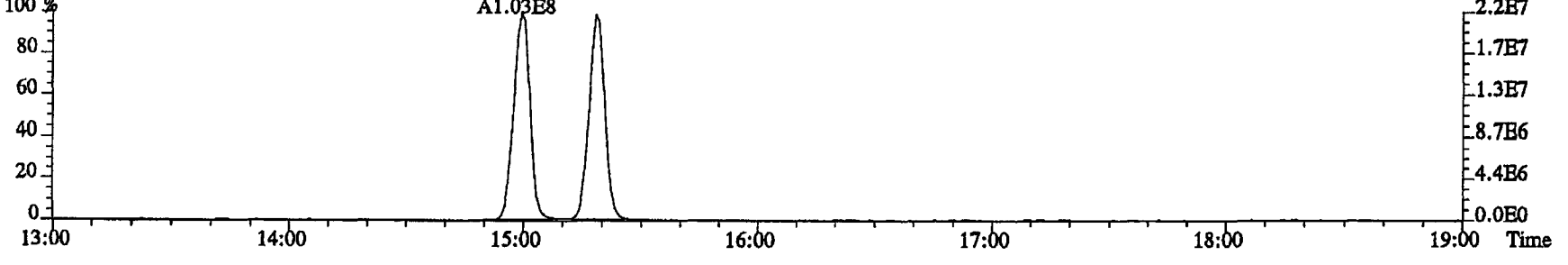
321.8936 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17384.0,1.00%,F,T)



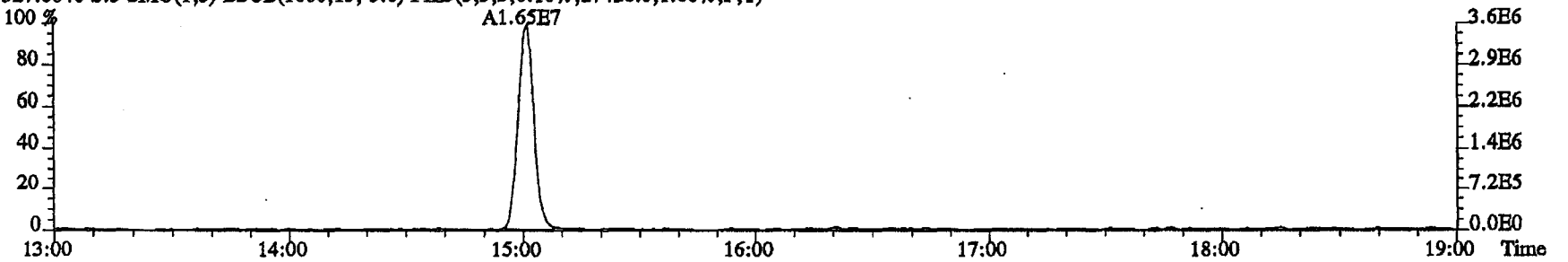
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30168.0,1.00%,F,T)



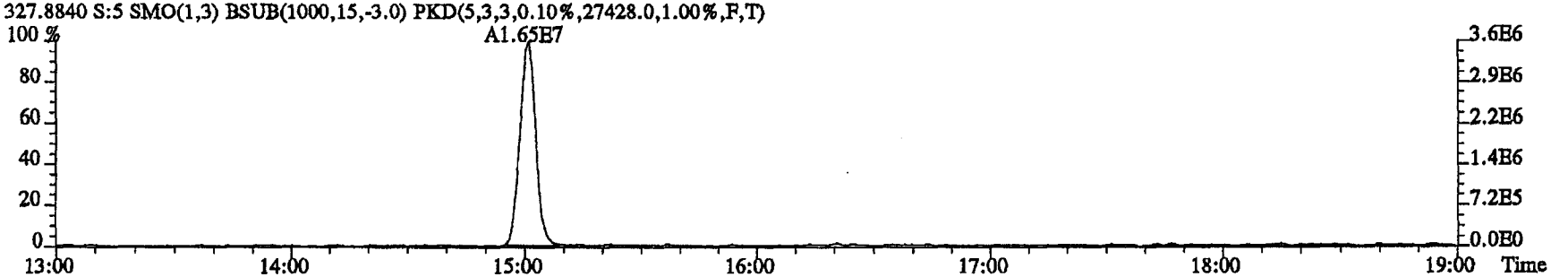
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23676.0,1.00%,F,T)



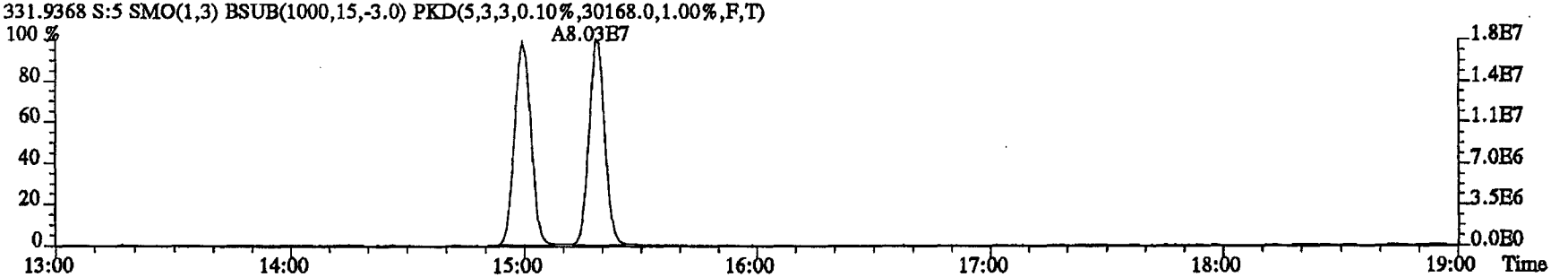
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 15:28:06 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1214B :10DXN505 CS31414B KSS Exp:DB225RES
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27428.0,1.00%,F,T)



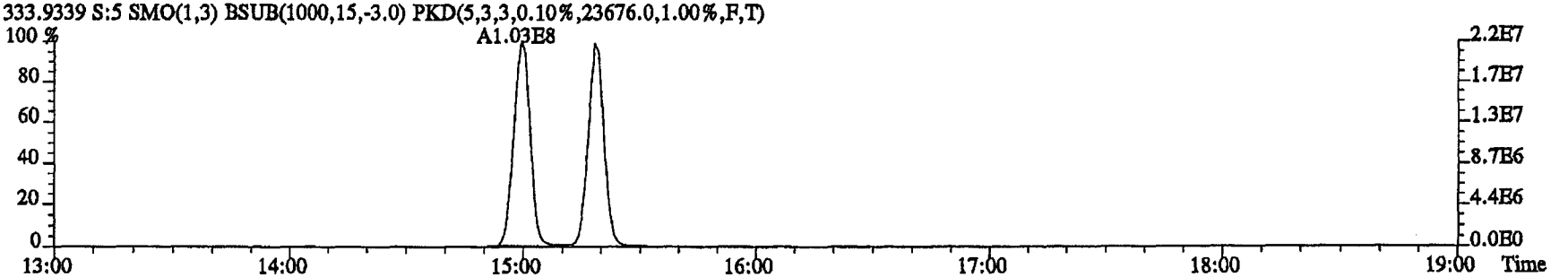
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27428.0,1.00%,F,T)

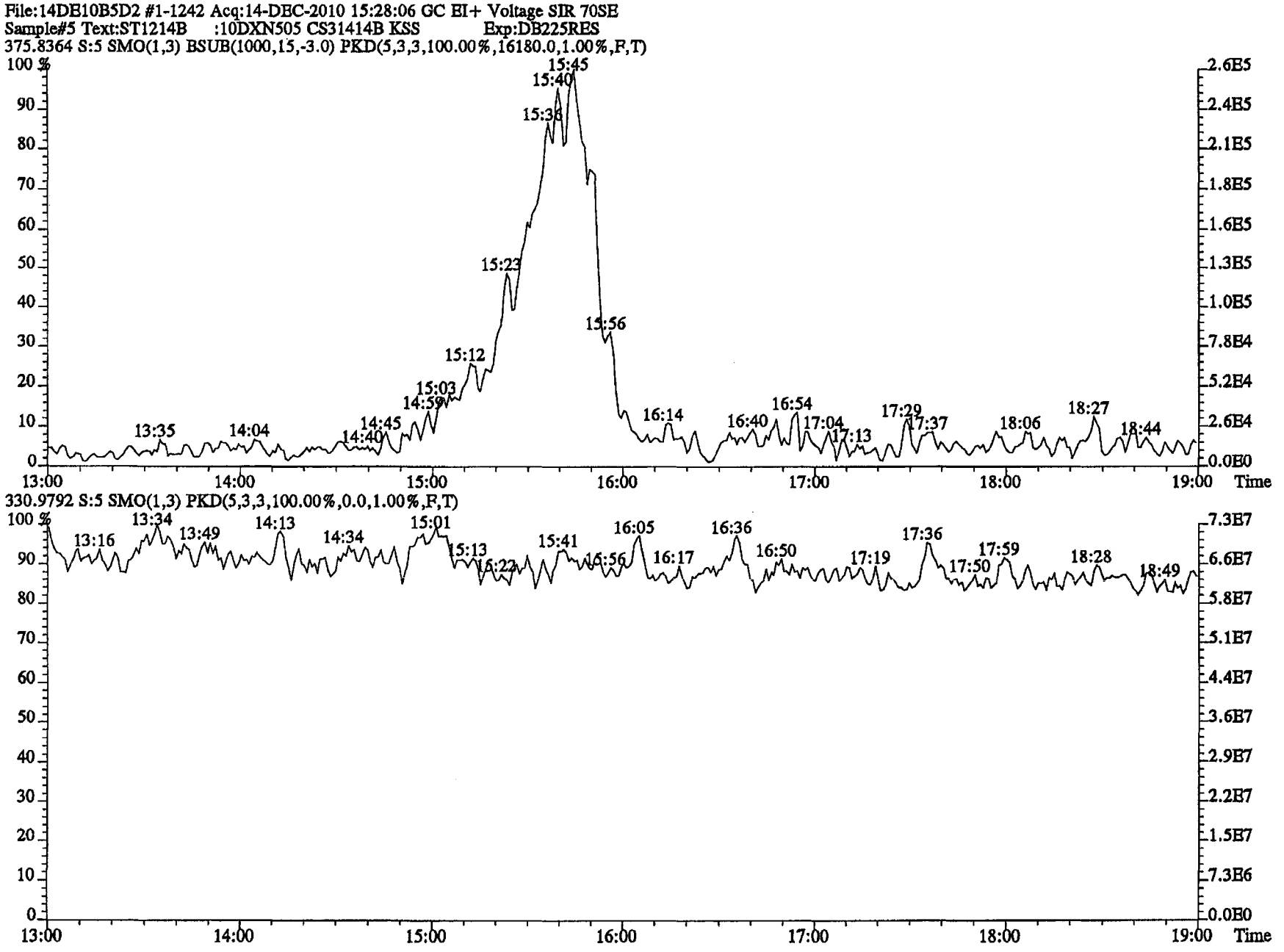


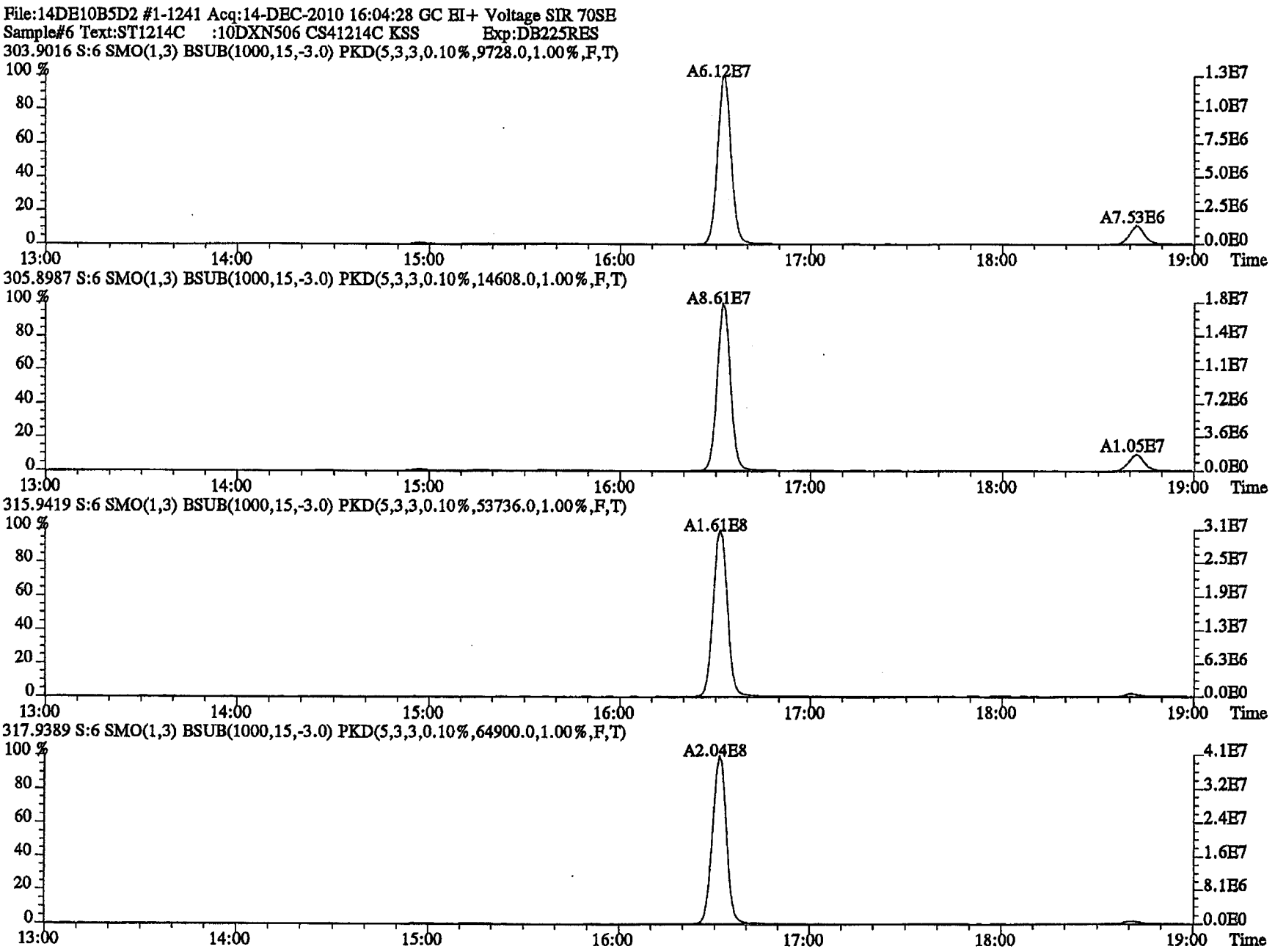
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30168.0,1.00%,F,T)



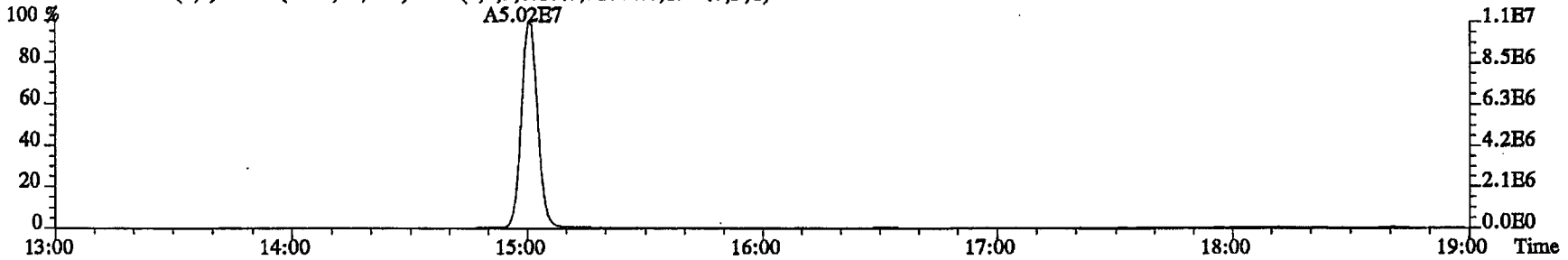
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23676.0,1.00%,F,T)



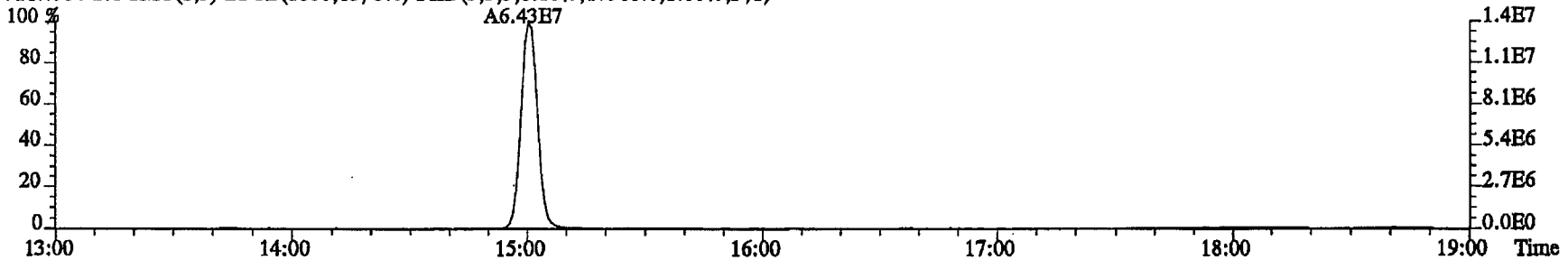

File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 15:28:06 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1214B :10DXN505 CS31414B KSS Exp:DB225RES
375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,16180.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
2.6E5
2.4E5
2.1E5
1.8E5
1.6E5
1.3E5
1.0E5
7.8E4
5.2E4
2.6E4
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
13:35
14:04
14:40
14:45
14:59
15:03
15:12
15:23
15:38
15:40
15:45
15:56
16:14
16:40
16:54
17:04
17:13
17:29
17:37
18:06
18:27
18:44
330.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
7.3E7
6.6E7
5.8E7
5.1E7
4.4E7
3.6E7
2.9E7
2.2E7
1.5E7
7.3E6
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
13:16
13:34
13:49
14:13
14:34
15:01
15:13
15:22
15:41
15:56
16:05
16:17
16:36
16:50
17:19
17:36
17:50
17:59
18:28
18:49


File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:04:28 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1214C :10DXN506 CS41214C KSS Exp:DB225RES
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9728.0,1.00%,F,T)
A6.12E7
A7.53E6
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14608.0,1.00%,F,T)
A8.61E7
A1.05E7
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,53736.0,1.00%,F,T)
A1.61E8
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64900.0,1.00%,F,T)
A2.04E8
100 %
80
60
40
20
0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time

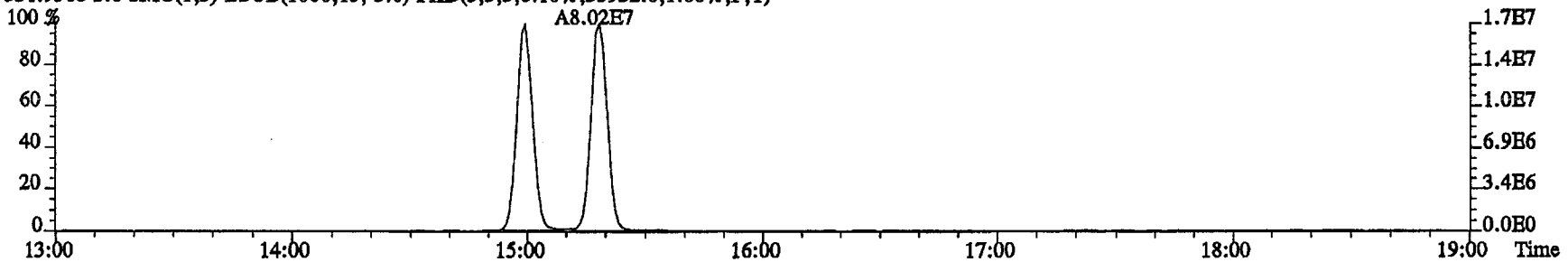
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:04:28 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1214C :10DXN506 CS41214C KSS Exp:DB225RES
319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11064.0,1.00%,F,T)



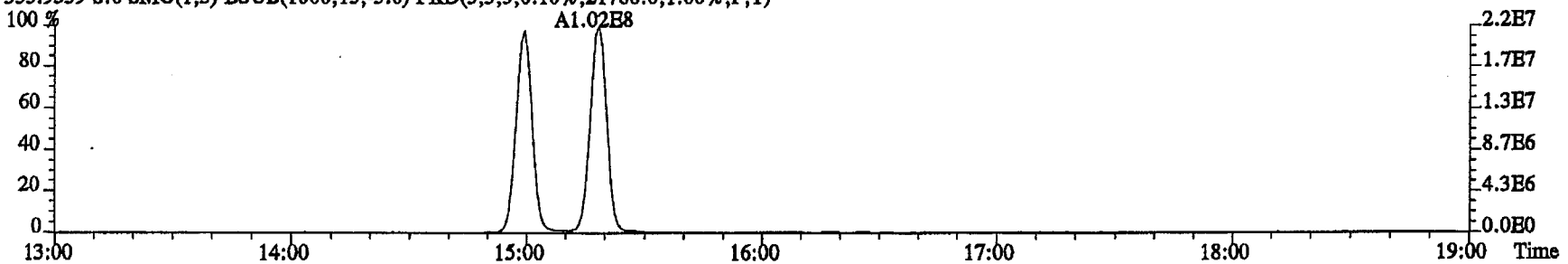
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17968.0,1.00%,F,T)



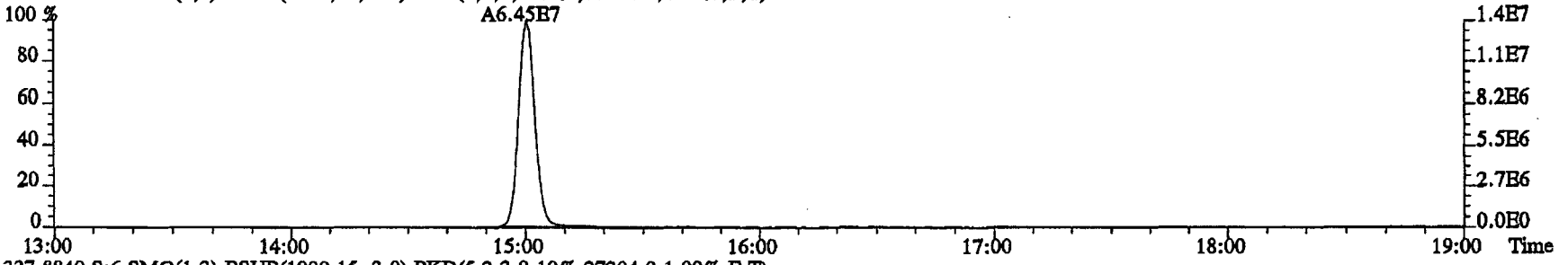
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35932.0,1.00%,F,T)



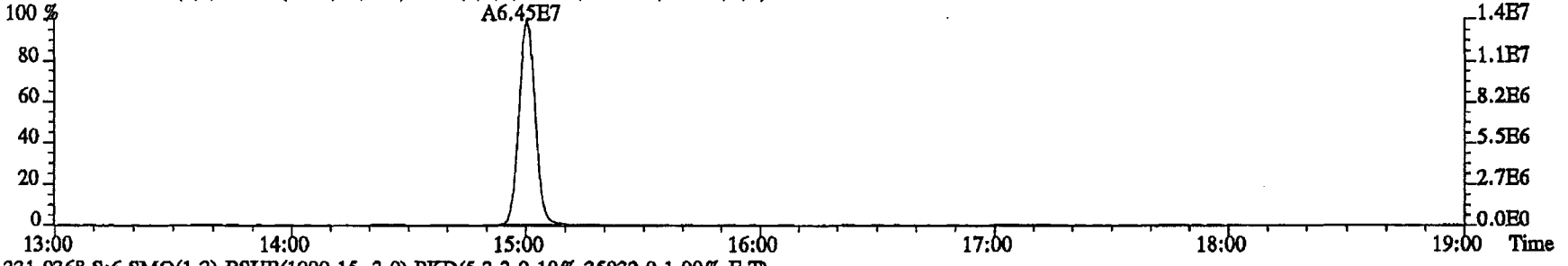
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21788.0,1.00%,F,T)



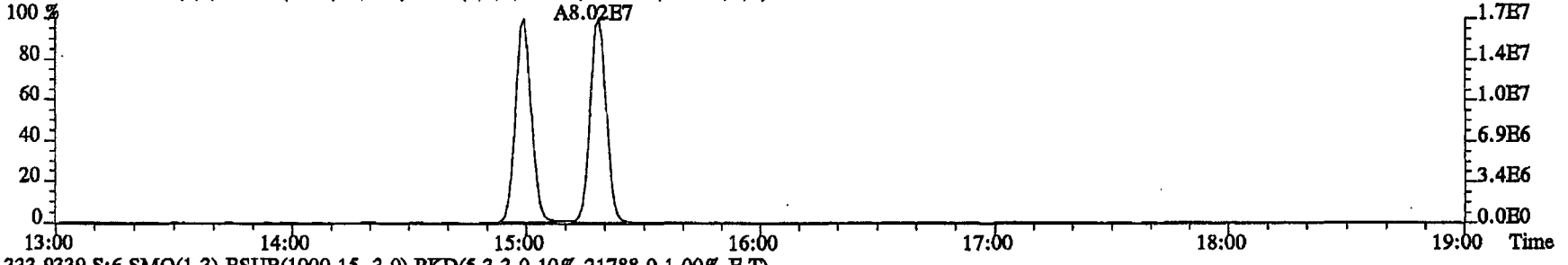
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:04:28 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1214C :10DXN506 CS41214C KSS Exp:DB225RES
327.8840 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27304.0,1.00%,F,T)



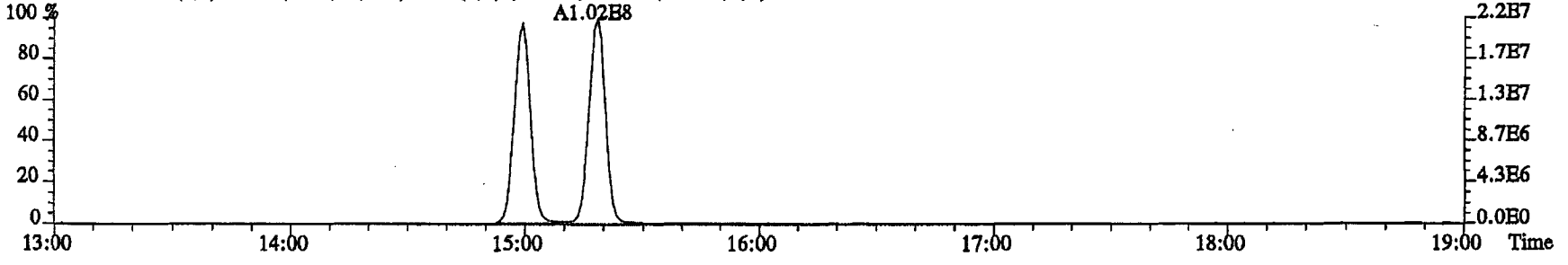
327.8840 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27304.0,1.00%,F,T)

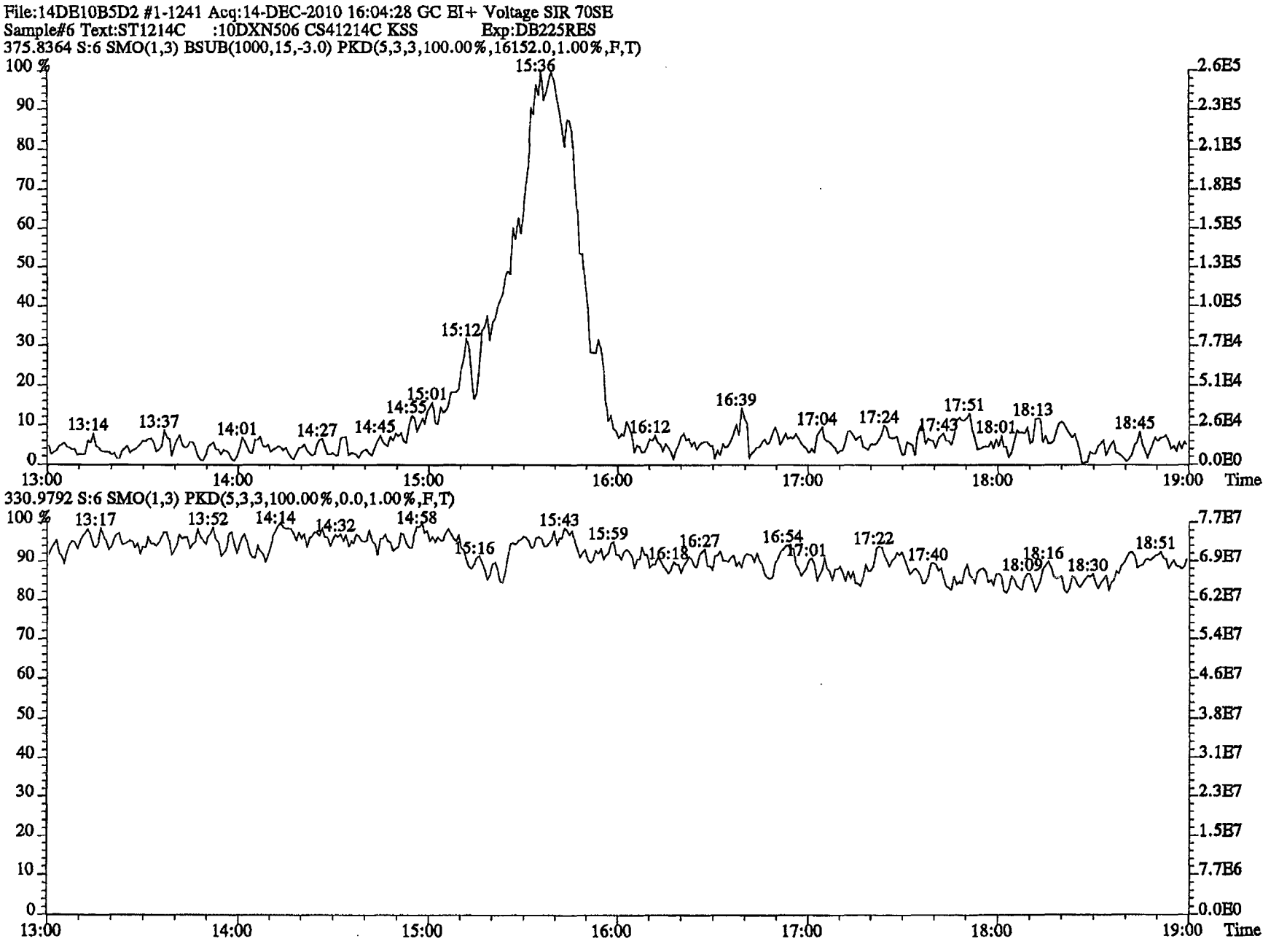


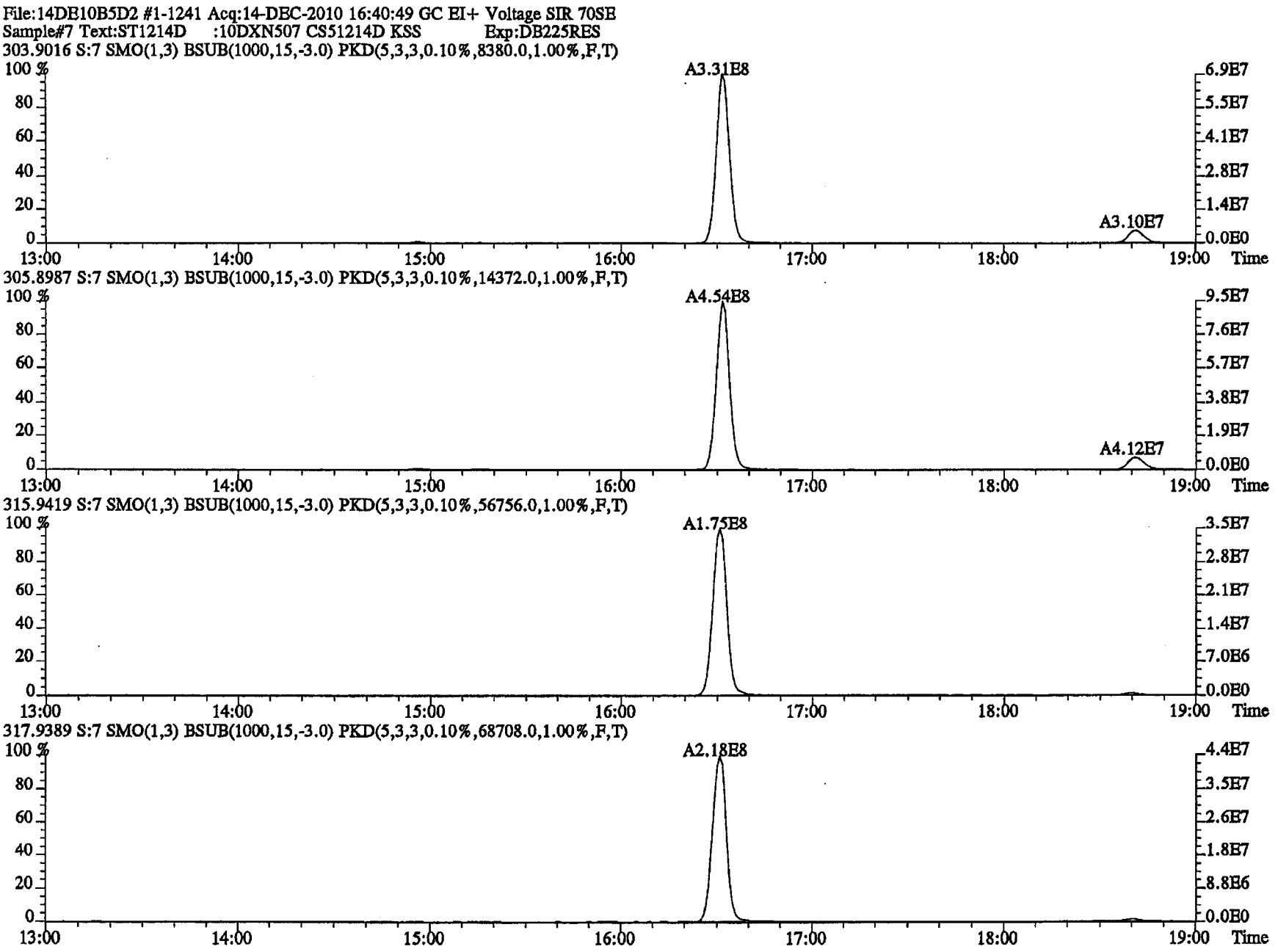
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35932.0,1.00%,F,T)



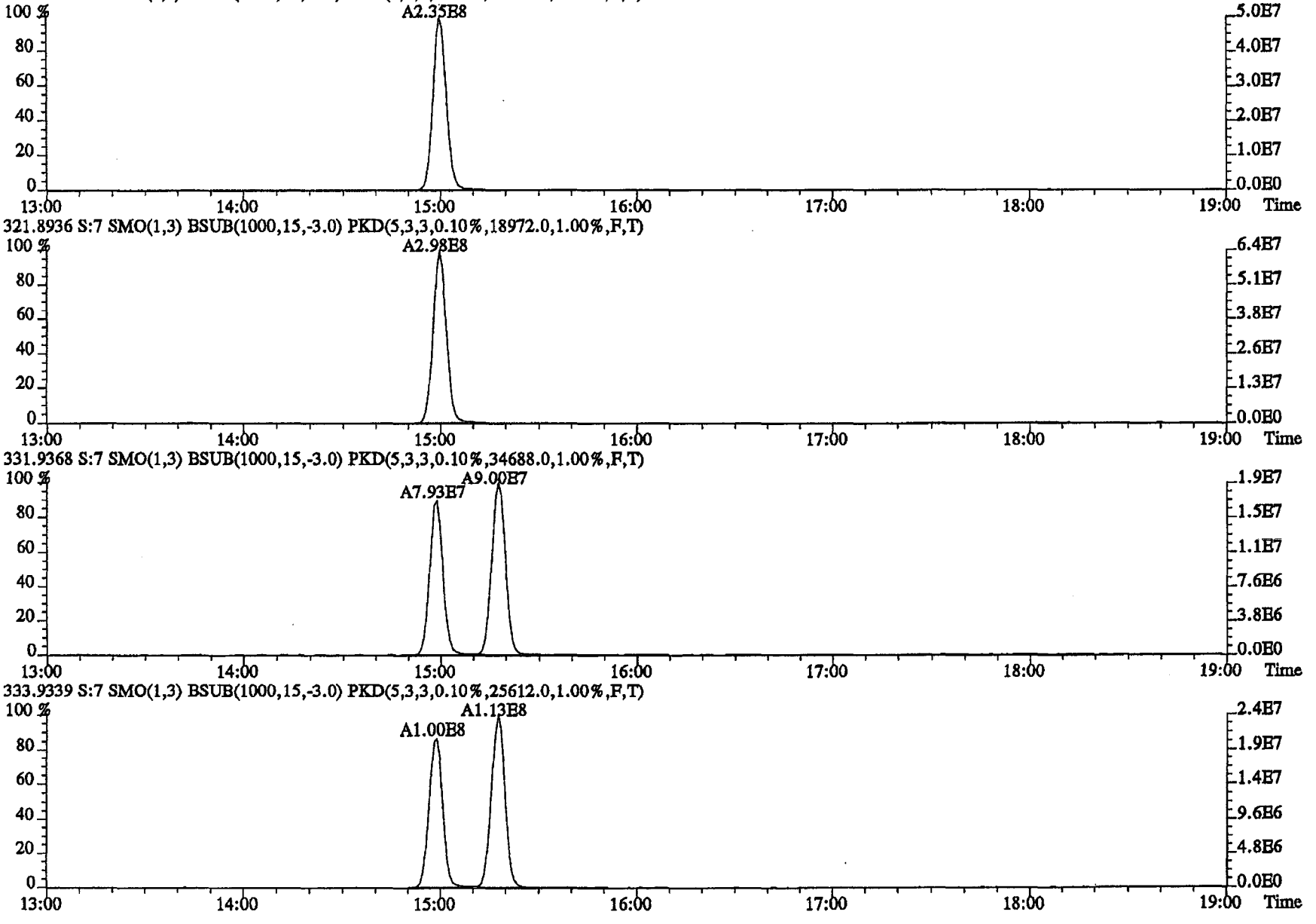
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21788.0,1.00%,F,T)



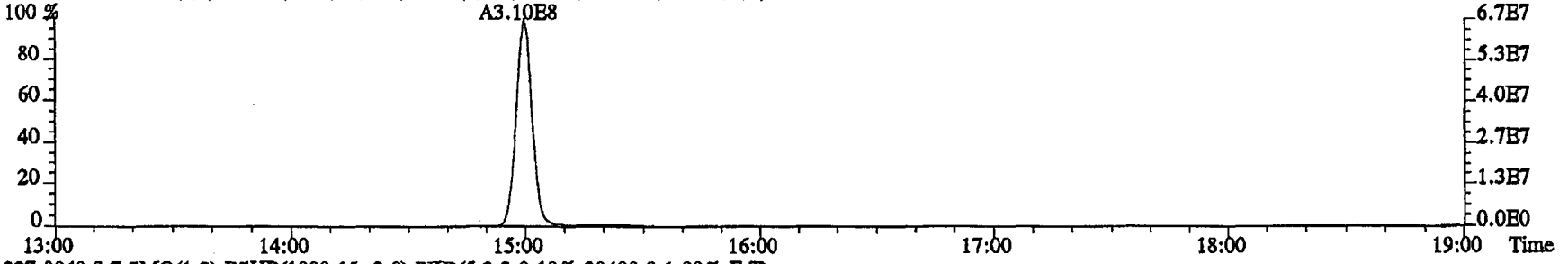

File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:04:28 GC EI+ Voltage SIR 70SE
Sample#6 Text:ST1214C :10DXN506 CS41214C KSS Exp:DB225RES
375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,16152.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
15:36
15:12
15:01
14:55
13:14
13:37
14:01
14:27
14:45
16:12
16:39
17:04
17:24
17:43
17:51
18:01
18:13
18:45
2.6E5
2.3E5
2.1E5
1.8E5
1.5E5
1.3E5
1.0E5
7.7E4
5.1E4
2.6E4
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
330.9792 S:6 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
13:17
13:52
14:14
14:32
14:58
15:16
15:43
15:59
16:18
16:27
16:54
17:01
17:22
17:40
18:09
18:16
18:30
18:51
7.7E7
6.9E7
6.2E7
5.4E7
4.6E7
3.8E7
3.1E7
2.3E7
1.5E7
7.7E6
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time


File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8380.0,1.00%,F,T)
A3.31E8
A3.10E7
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14372.0,1.00%,F,T)
A4.54E8
A4.12E7
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56756.0,1.00%,F,T)
A1.75E8
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68708.0,1.00%,F,T)
A2.18E8
100 %
80
60
40
20
0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
6.9E7
5.5E7
4.1E7
2.8E7
1.4E7
0.0E0
9.5E7
7.6E7
5.7E7
3.8E7
1.9E7
3.5E7
2.8E7
2.1E7
1.4E7
7.0E6
4.4E7
3.5E7
2.6E7
1.8E7
8.8E6

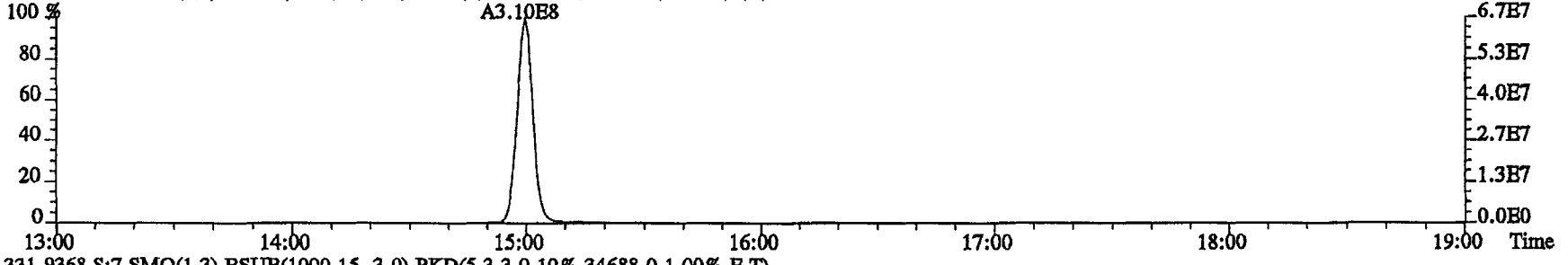
File:14DB10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SB
Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES



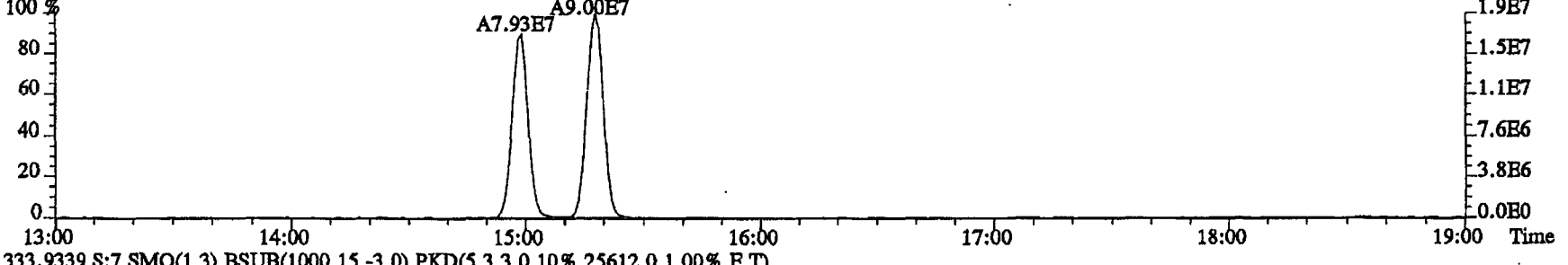
File:14DB10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28400.0,1.00%,F,T)



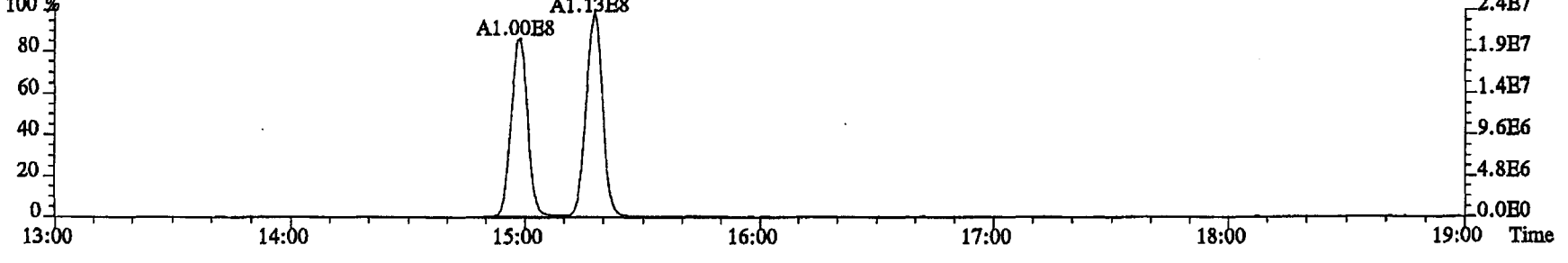
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28400.0,1.00%,F,T)



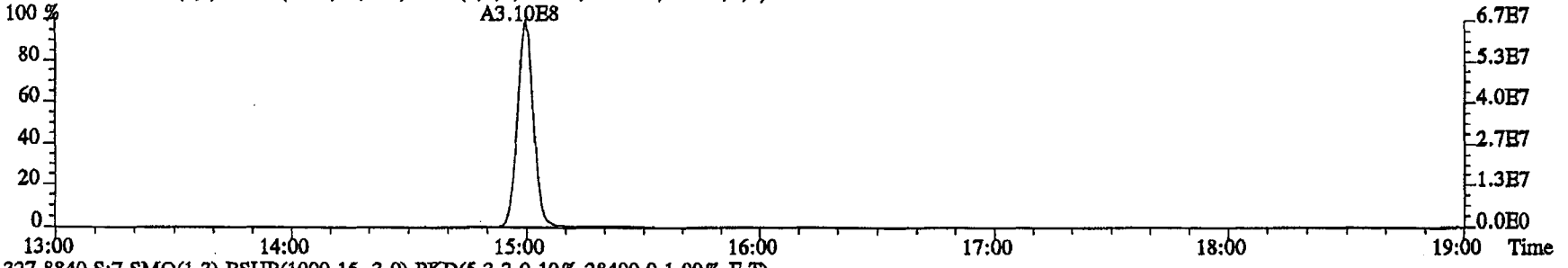
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34688.0,1.00%,F,T)



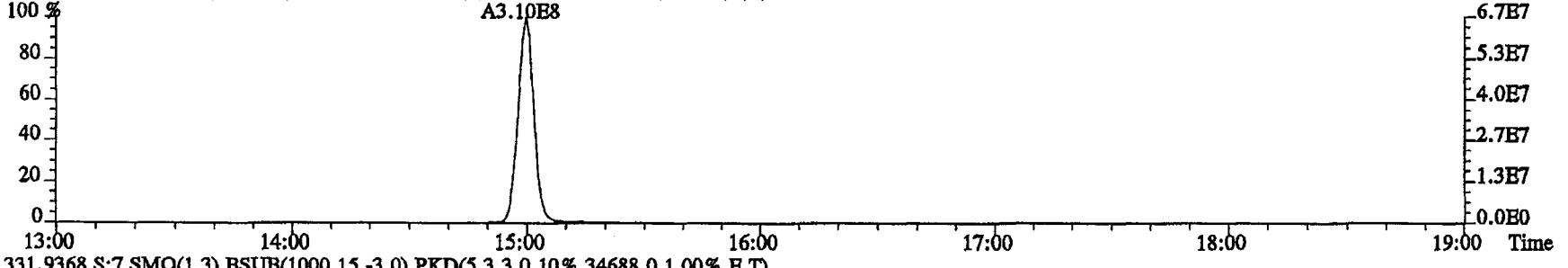
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25612.0,1.00%,F,T)



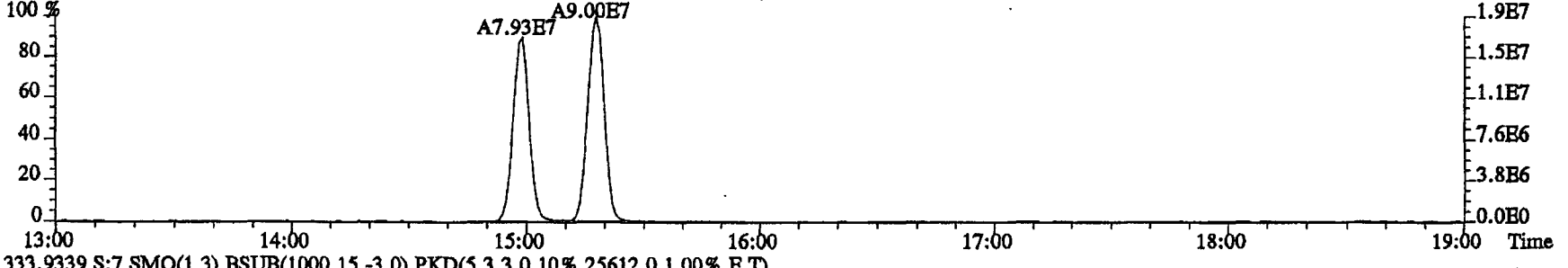
File:14DB10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28400.0,1.00%,F,T)



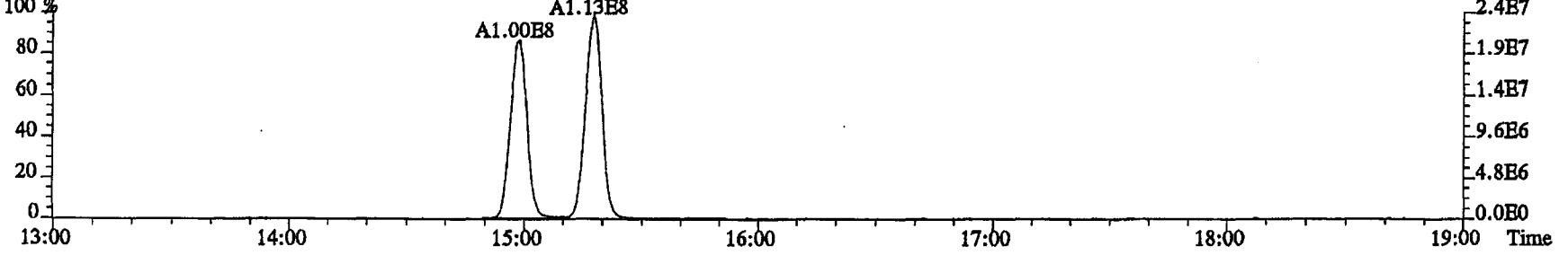
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28400.0,1.00%,F,T)

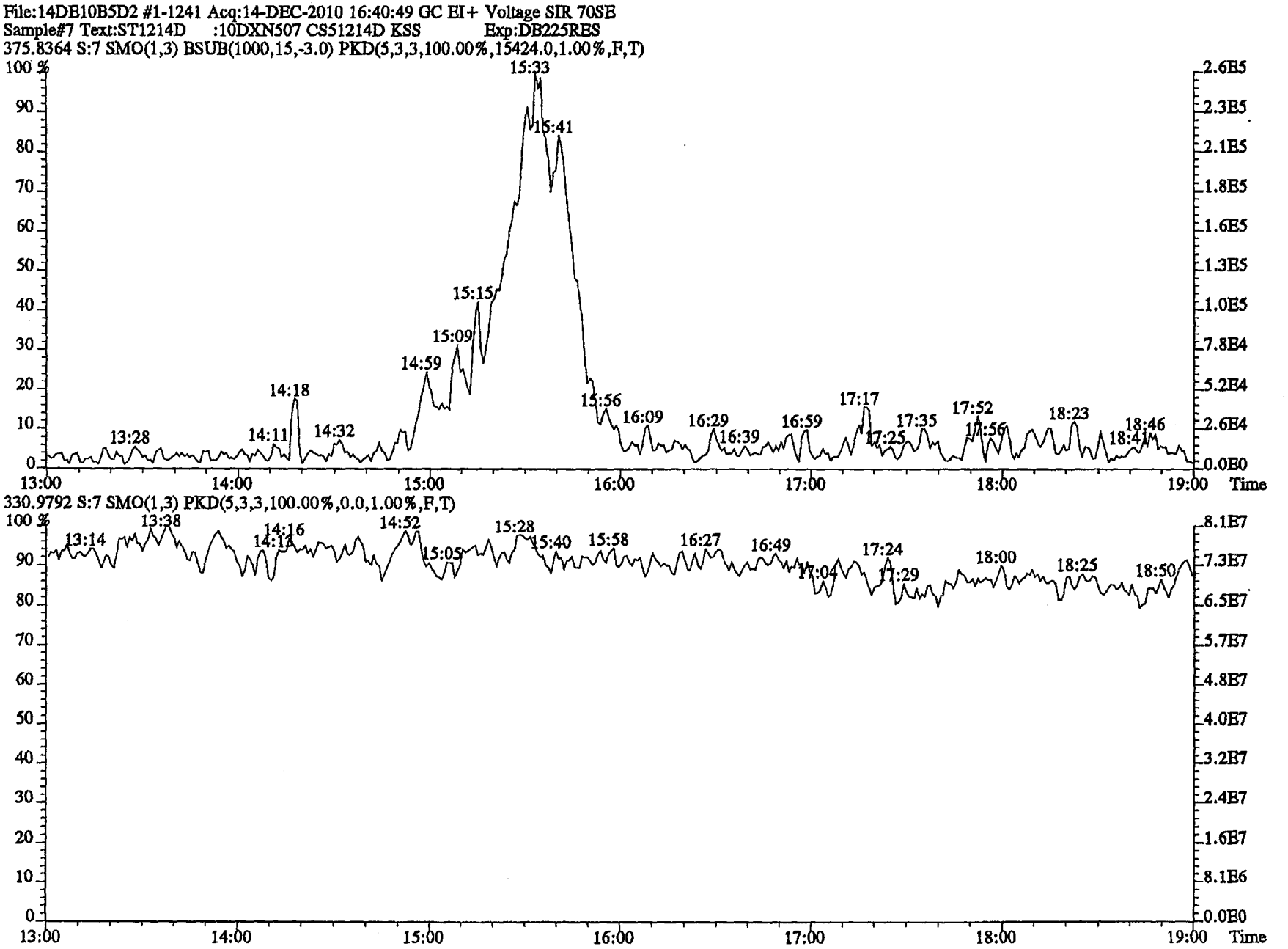


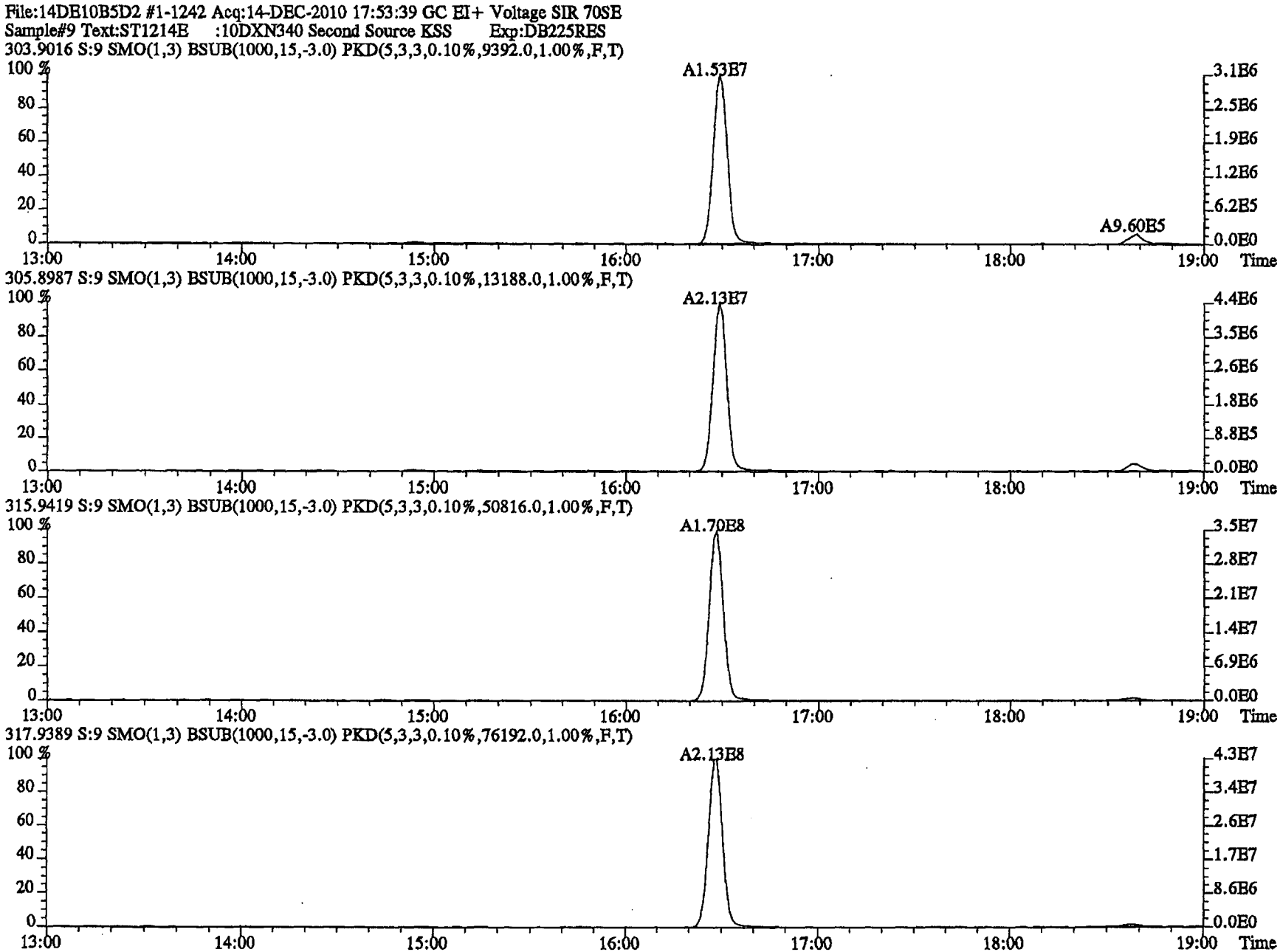
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34688.0,1.00%,F,T)



333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25612.0,1.00%,F,T)

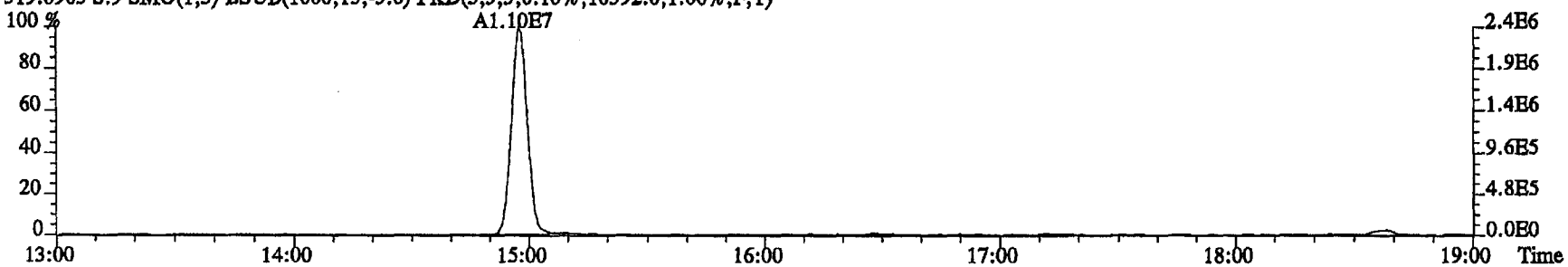



File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,15424.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
2.6E5
2.3E5
2.1E5
1.8E5
1.6E5
1.3E5
1.0E5
7.8E4
5.2E4
2.6E4
0.0E0
15:33
15:41
15:15
15:09
14:59
14:18
14:11
14:32
13:28
15:56
16:09
16:29
16:39
16:59
17:17
17:25
17:35
17:52
17:56
18:23
18:41
18:46
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
330.9792 S:7 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
8.1E7
7.3E7
6.5E7
5.7E7
4.8E7
4.0E7
3.2E7
2.4E7
1.6E7
8.1E6
0.0E0
13:38
13:14
14:16
14:52
15:28
15:40
15:58
16:27
16:49
17:04
17:24
17:29
18:00
18:25
18:50
15:05
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time

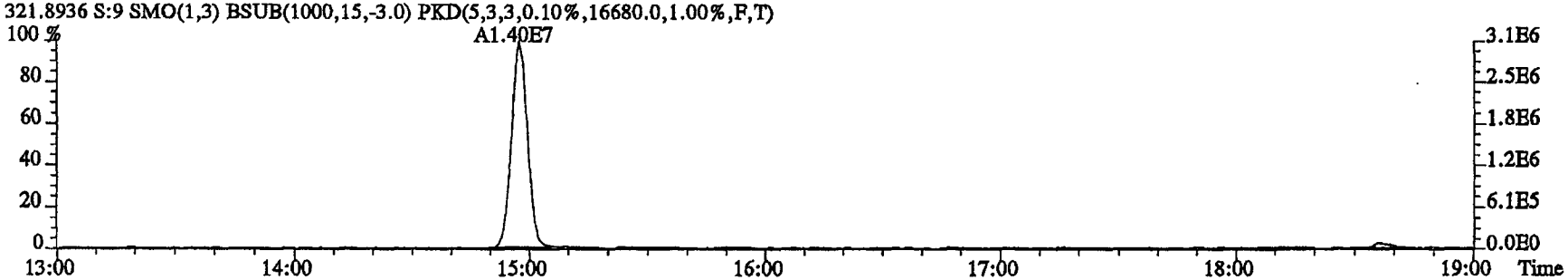

File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RES
303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9392.0,1.00%,F,T)
A1.53E7
A9.60E5
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13188.0,1.00%,F,T)
A2.13E7
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,50816.0,1.00%,F,T)
A1.70E8
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76192.0,1.00%,F,T)
A2.13E8
100 %
80
60
40
20
0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
3.1E6
2.5E6
1.9E6
1.2E6
6.2E5
0.0E0
4.4E6
3.5E6
2.6E6
1.8E6
8.8E5
0.0E0
3.5E7
2.8E7
2.1E7
1.4E7
6.9E6
0.0E0
4.3E7
3.4E7
2.6E7
1.7E7
8.6E6
0.0E0

File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RES

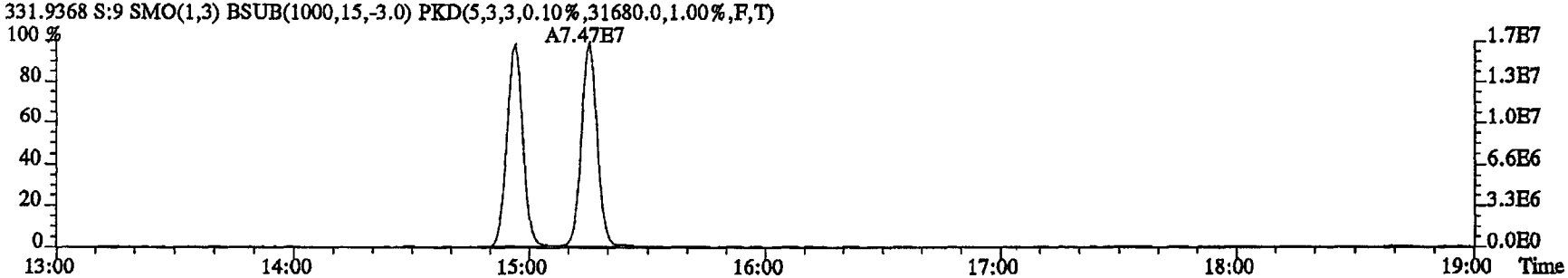
319.8965 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10392.0,1.00%,F,T)



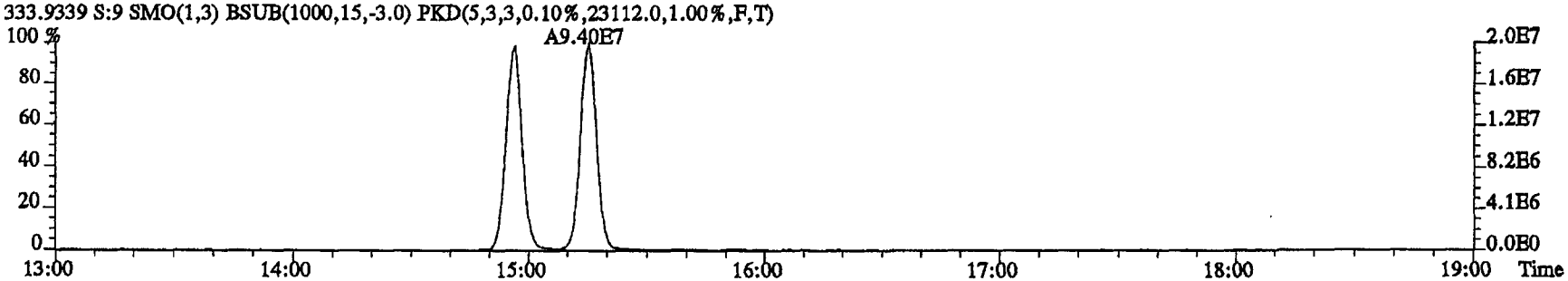
321.8936 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16680.0,1.00%,F,T)



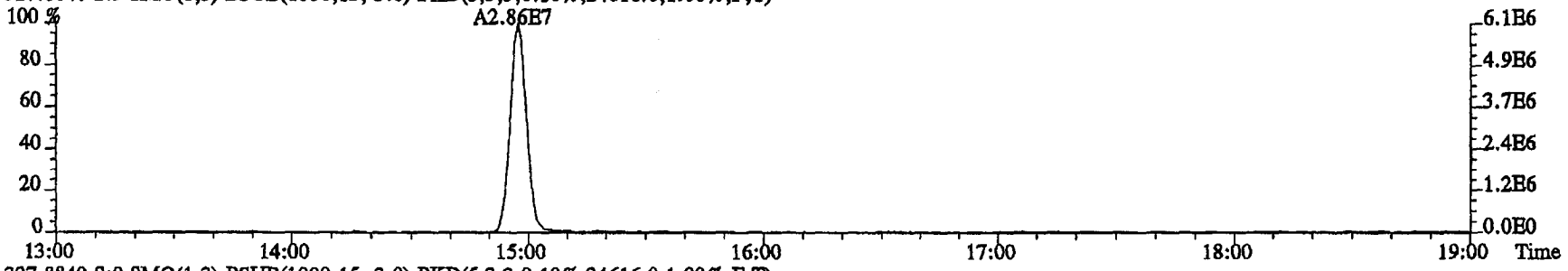
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31680.0,1.00%,F,T)



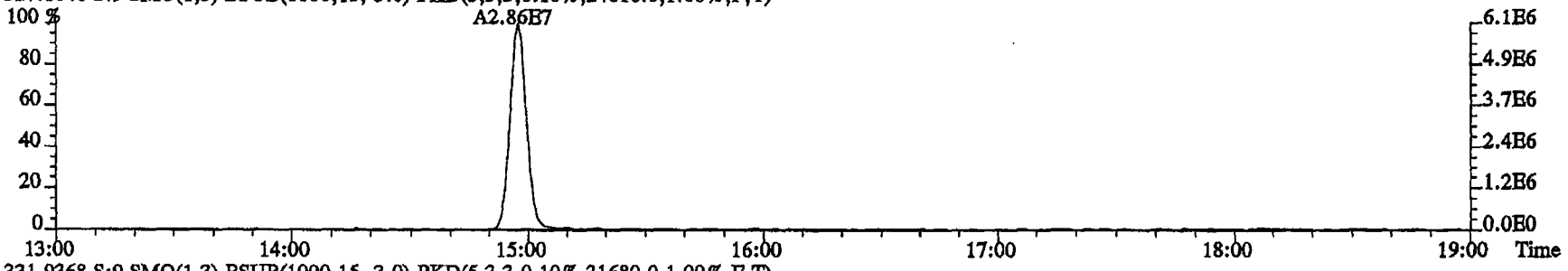
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23112.0,1.00%,F,T)



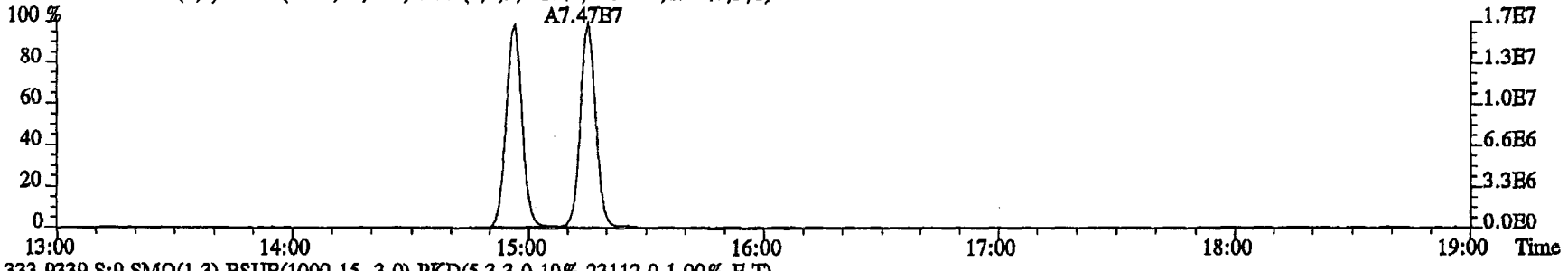
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RES
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24616.0,1.00%,F,T)



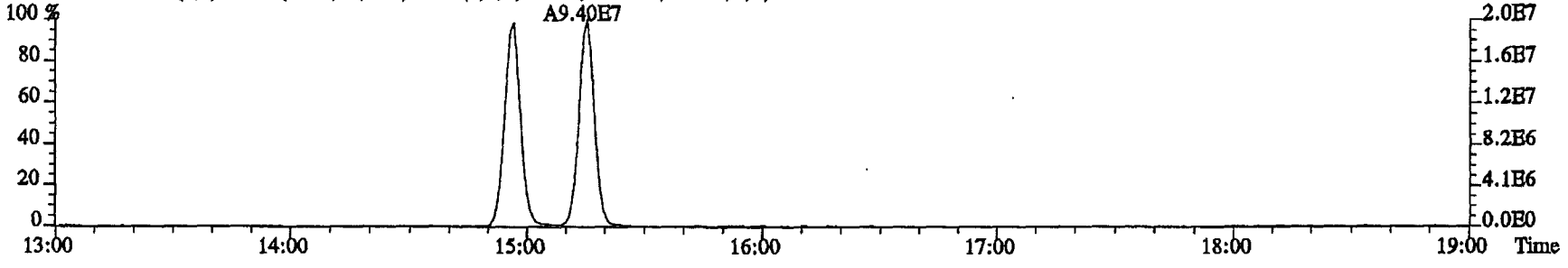
327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24616.0,1.00%,F,T)

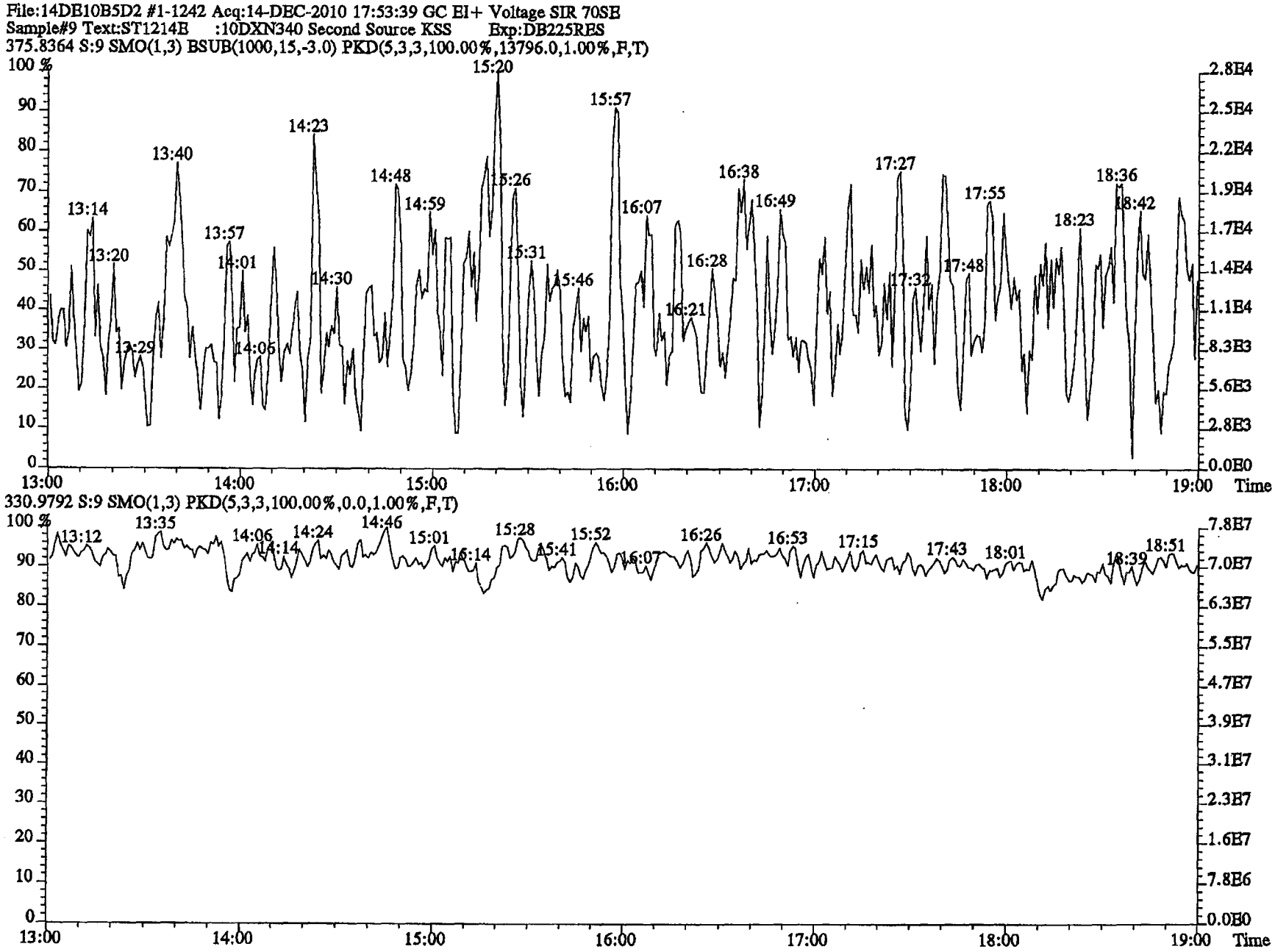


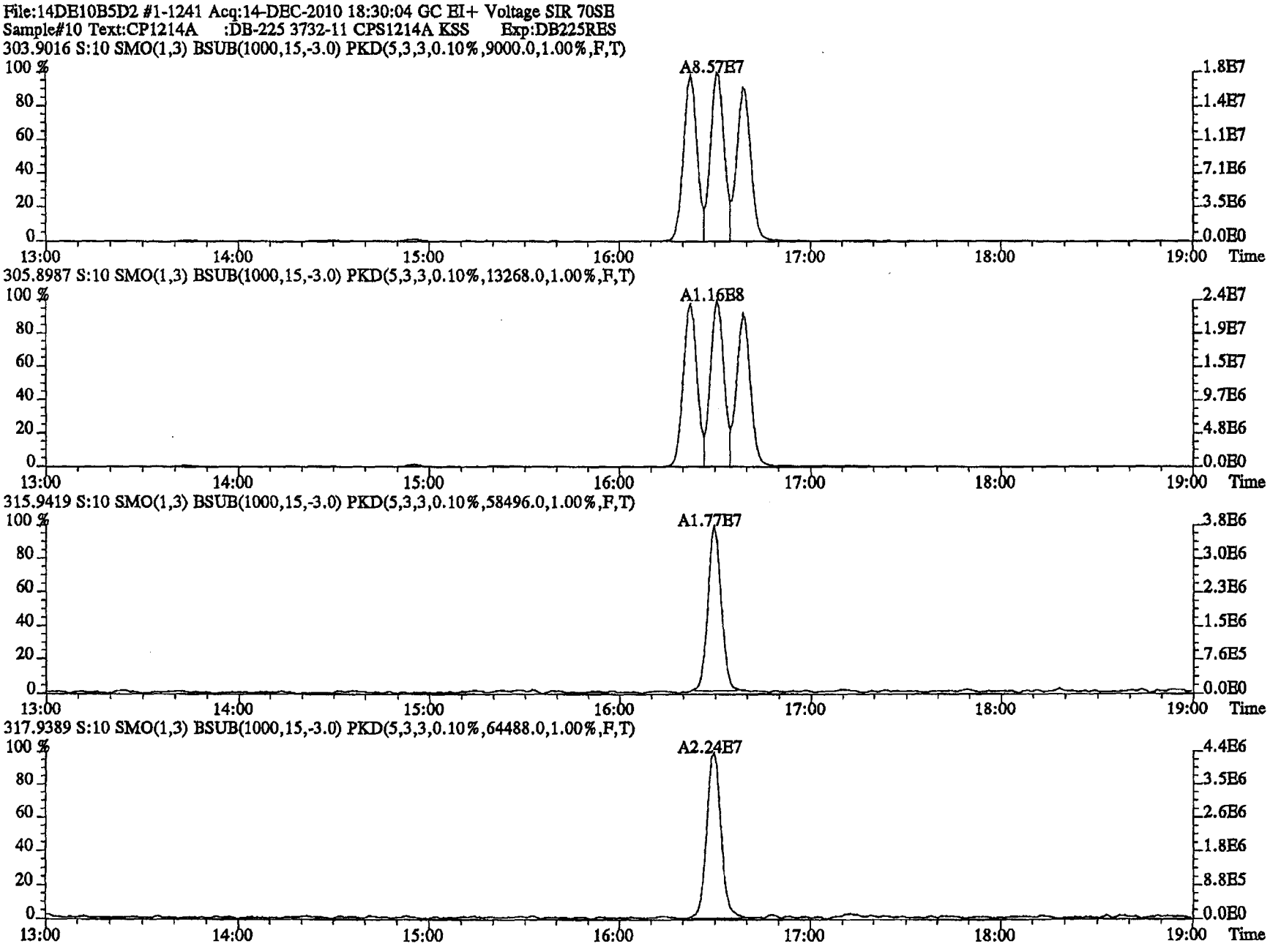
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31680.0,1.00%,F,T)



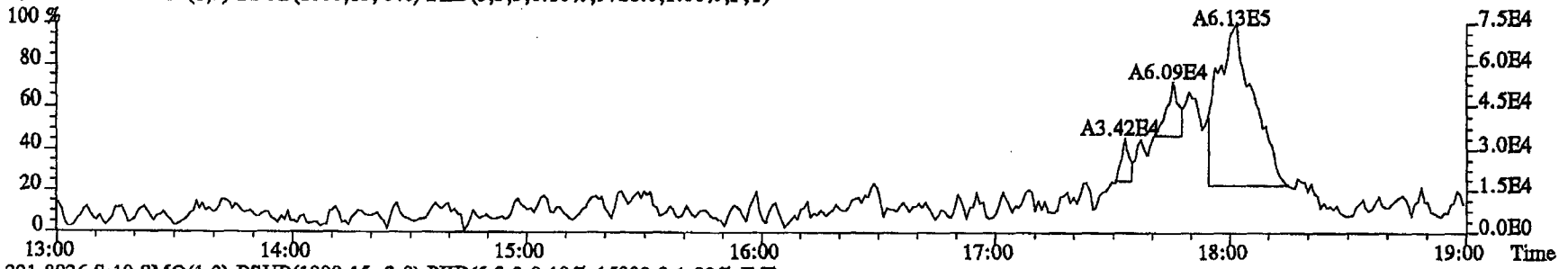
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23112.0,1.00%,F,T)



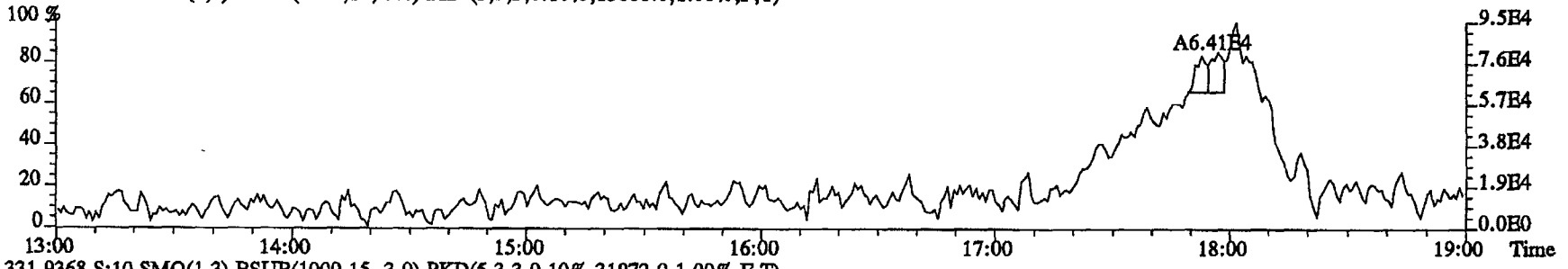

File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RES
375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,13796.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
13:14
13:20
13:29
13:40
13:57
14:01
14:06
14:23
14:30
14:48
14:59
15:20
15:26
15:31
15:46
15:57
16:07
16:21
16:28
16:38
16:49
17:27
17:32
17:48
17:55
18:23
18:36
18:42
2.8E4
2.5E4
2.2E4
1.9E4
1.7E4
1.4E4
1.1E4
8.3E3
5.6E3
2.8E3
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
330.9792 S:9 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
13:12
13:35
14:06
14:14
14:24
14:46
15:01
16:14
15:28
15:41
15:52
16:07
16:26
16:53
17:15
17:43
18:01
18:39
18:51
7.8E7
7.0E7
6.3E7
5.5E7
4.7E7
3.9E7
3.1E7
2.3E7
1.6E7
7.8E6
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time


File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 18:30:04 GC EI+ Voltage SIR 70SE
Sample#10 Text:CP1214A :DB-225 3732-11 CPS1214A KSS Exp:DB225RES
303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9000.0,1.00%,F,T)
A8.57E7
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13268.0,1.00%,F,T)
A1.16E8
315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,58496.0,1.00%,F,T)
A1.77E7
317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64488.0,1.00%,F,T)
A2.24E7
100 %
80
60
40
20
0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
1.8E7
1.4E7
1.1E7
7.1E6
3.5E6
0.0E0
2.4E7
1.9E7
1.5E7
9.7E6
4.8E6
3.8E6
3.0E6
2.3E6
1.5E6
7.6E5
4.4E6
3.5E6
2.6E6
1.8E6
8.8E5

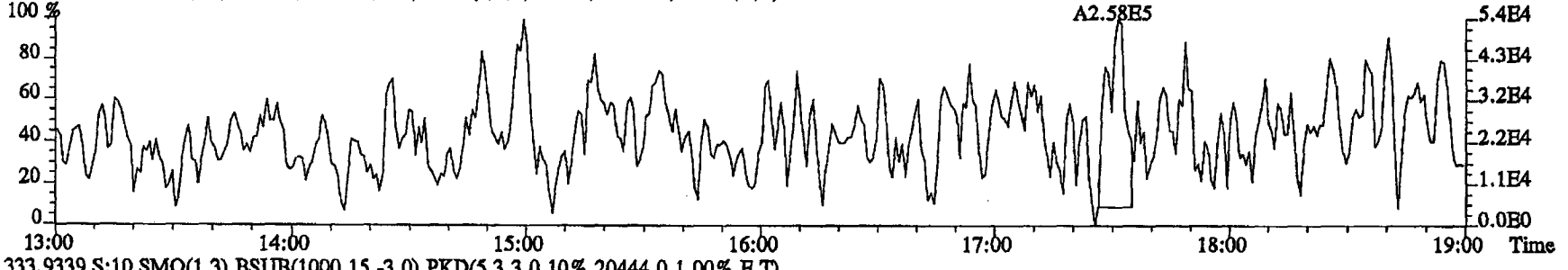
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 18:30:04 GC EI+ Voltage SIR 70SE
Sample#10 Text:CP1214A :DB-225 3732-11 CPS1214A KSS Exp:DB225RES
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9728.0,1.00%,F,T)



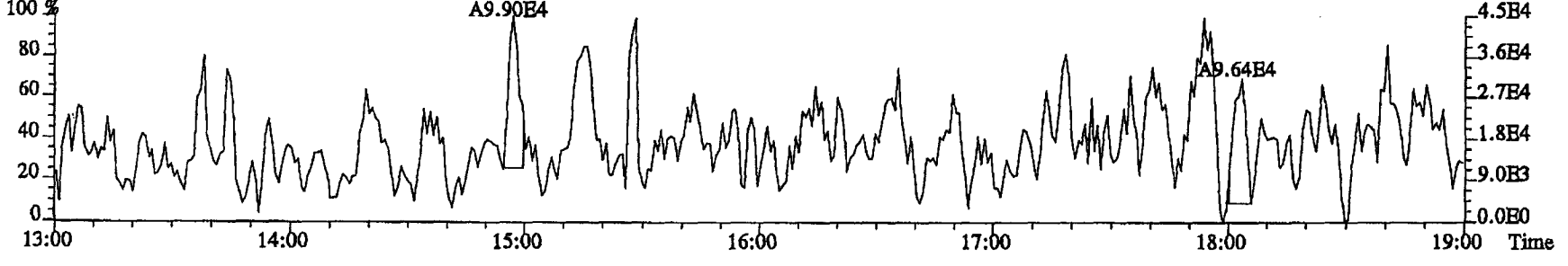
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15888.0,1.00%,F,T)



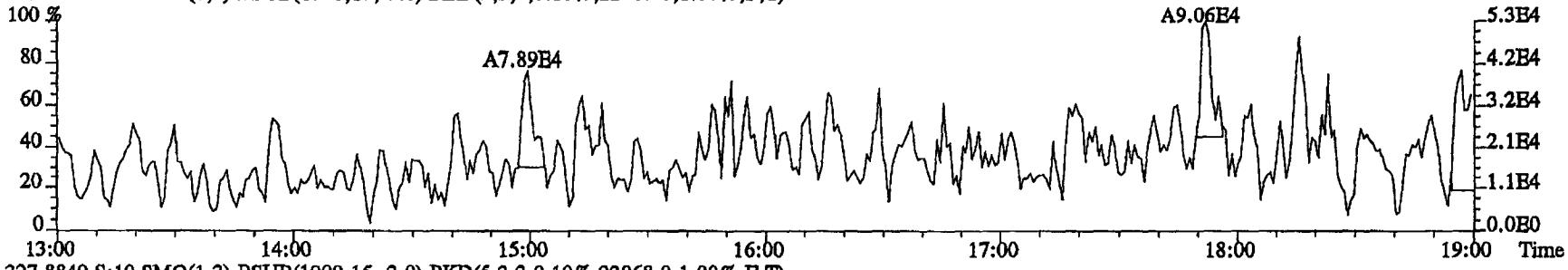
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31972.0,1.00%,F,T)



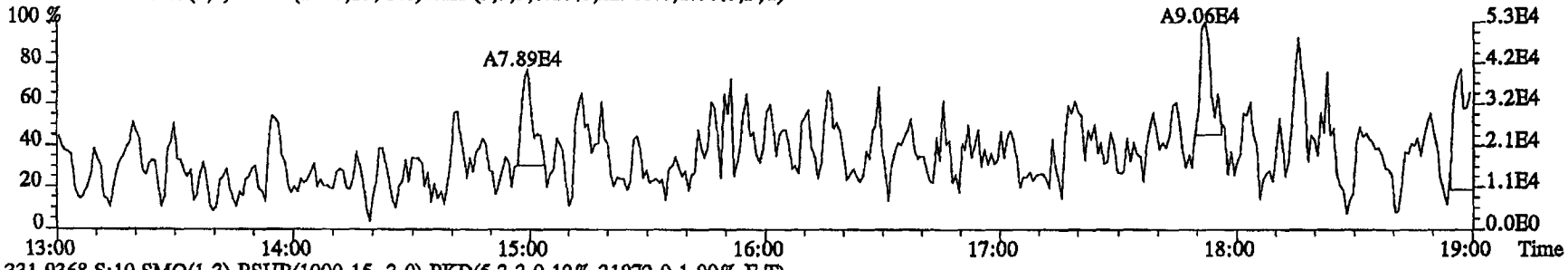
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20444.0,1.00%,F,T)



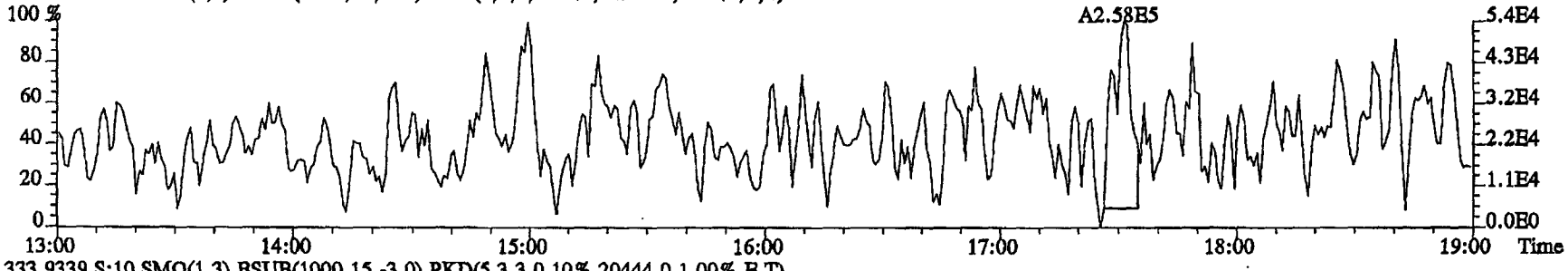
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 18:30:04 GC EI+ Voltage SIR 70SE
Sample#10 Text:CP1214A :DB-225 3732-11 CPS1214A KSS Exp:DB225RES
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22968.0,1.00%,F,T)



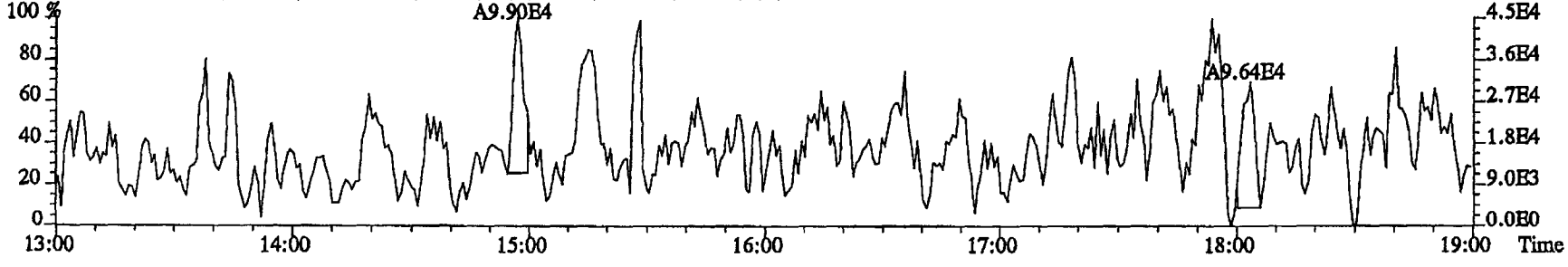
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22968.0,1.00%,F,T)

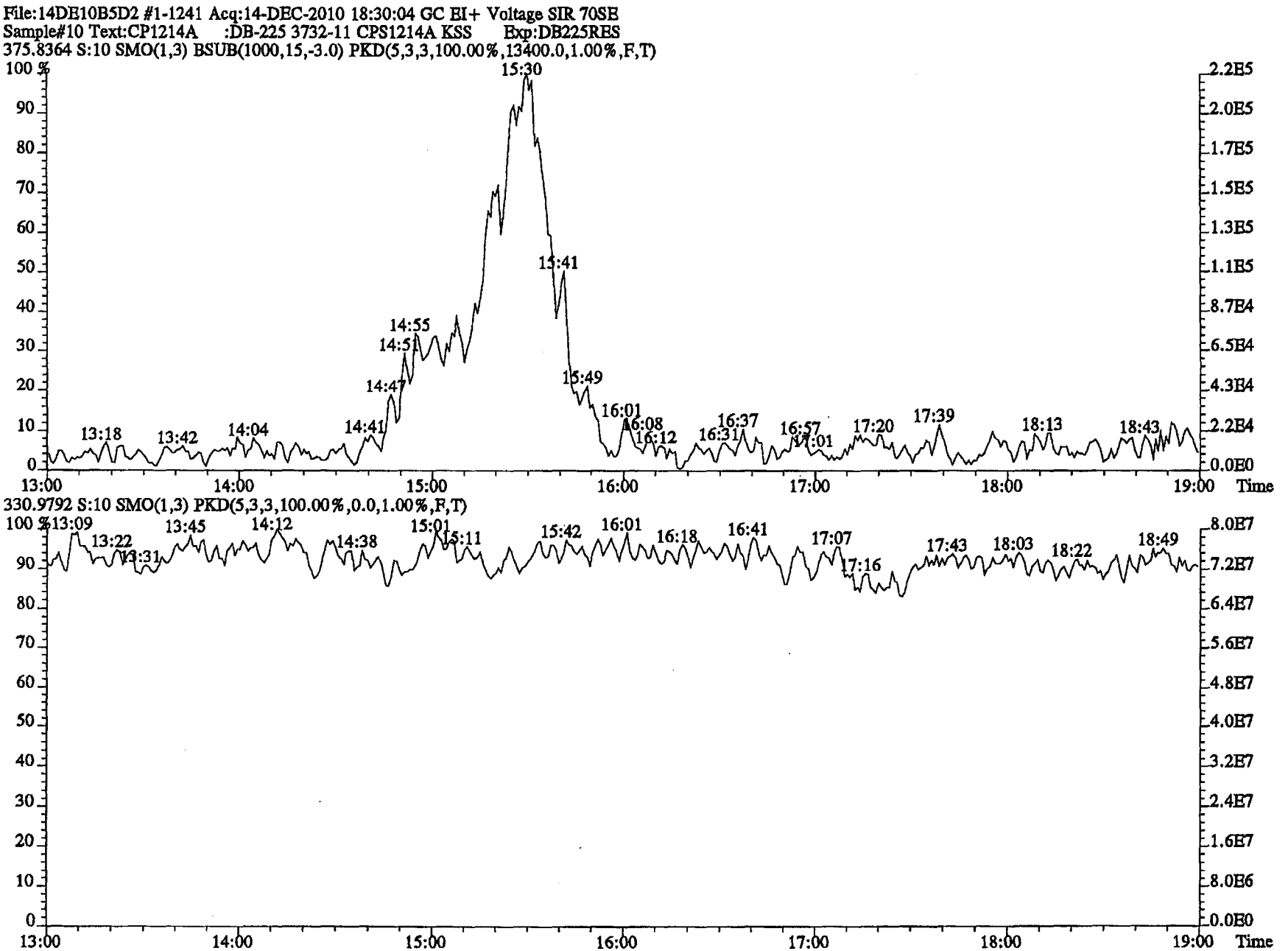


331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31972.0,1.00%,F,T)



333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20444.0,1.00%,F,T)




File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 18:30:04 GC EI+ Voltage SIR 70SE
Sample#10 Text:CP1214A :DB-225 3732-11 CPS1214A KSS Exp:DB225RES
375.8364 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,13400.0,1.00%,F,T)
100 %
90
80
70
60
50
40
30
20
10
0
15:30
15:41
14:55
14:51
14:47
15:49
16:01
16:08
16:12
16:31
16:37
16:57
17:01
17:20
17:39
18:13
18:43
14:41
14:04
13:42
13:18
2.2E5
2.0E5
1.7E5
1.5E5
1.3E5
1.1E5
8.7E4
6.5E4
4.3E4
2.2E4
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time
330.9792 S:10 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 %
13:09
13:22
13:31
13:45
14:12
14:38
15:01
15:11
15:42
16:01
16:18
16:41
17:07
17:16
17:43
18:03
18:22
18:49
8.0E7
7.2E7
6.4E7
5.6E7
4.8E7
4.0E7
3.2E7
2.4E7
1.6E7
8.0E6
0.0E0
13:00
14:00
15:00
16:00
17:00
18:00
19:00
Time

Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Air Extraction

Batch: 0340361
MS Run #:
Prep Date: 12/6/2010

Box # 34

Shared QC Batch: N/A
Shares QC With: N/A

Internal COC:	
Delivered to Inst.:	12/9/10
Inst Receipt:	

Method: IK TO-9
Matrix: S AIR
Extraction: 11 SOXHLET (NONE,Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: IK - S - 11 - 3W

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	J26N70
Hexane	Baker	J34E43
H2SO4	Baker	NA
20% DCM:Hexane	NA	3630-85C
65% DCM:Hexane	NA	3630-87B
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	NA	4022-10E
Acid Alumina	MP-B10	79
5% Carbon:Silica Gel	NA	NA

Soxhlet time on: 15:00 (12/6/10) Soxhlet time off: 8:40 (12/7/10)

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
G0L040465 - 9		MAWFA1AA	12/8/2010	1.0	✓		1/15/2011			5
G0L040465 - 10		MAWFD1AA	12/8/2010	1.0	✓		1/15/2011			7
G0L060000 - 361	B	MAXT51AA	12/8/2010	1.0	✓	12/9/10	1/15/2011	12/9/10		5
G0L060000 - 361	C	MAXT51AC	12/8/2010	1.0	✓		1/15/2011			7
G0L060000 - 361	L	MAXT51AD	12/8/2010	1.0	✓		1/15/2011			6

* See attached sheet for sample volumes recorded from scale

Comments/NCMs: QC Media: P101910

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	2.0mL/10DXN463/8290/1613 Daily IS	12/16/10	ECJ	JZ	12/6/10
Spike Mix LCS/LCSD~~/MS/MS~~ ECJ 12/6/10	100µL/10DXN431/8290/1613 Daily NS	9/2/11	ECJ	JZ	12/6/10
Pre-Spike Standard MB~~/LCS/LCSD~~ ECJ 12/6/10	200µL/10DXN429/TO-9 Daily Surr	7/19/11	ECJ	JZ	12/6/10
Recovery Standard All Samples	20.0µL 10DXN598	10/28/11		MS	12/9/10
Soxhlet Extraction Analyst/Date	ECJ 12/6/10				

½ Split/Archive Analyst/Date 5mL	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
MMC 12/8/10	—	MC 12/09/10	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/09/10
Time: 10:05:29

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

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

Extractionist: 403162 erica X. larson

Concentrationist: 006625 Elizabeth Nguyen

QC BATCH: 0340361

PREP DATE: 12/06/10 15:00
COMP DATE: 12/09/10 15:00

Reviewer/Date: NGUYENE / 12/09/10

Dioxins/Furans, HRGC/HRMS (TO-9)
SOXHLET (NONE,Na2SO4)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
12/08/10	12/13/10	G0L040465-009 **MAWFA-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN463/8290 IS
COMMENTS:															
12/08/10	12/13/10	G0L040465-010 **MAWFD-1-AA**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN463/8290 IS
COMMENTS:															
12/08/10	0/00/00	G0L060000-361 **MAXT5-1-AAB**		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	200UL/10DXN429/TO-9 SURR 2.0ML/10DXN463/8290 IS
COMMENTS:															
12/08/10	0/00/00	G0L060000-361 **MAXT5-1-ACC**		11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN431/8290 NS 2.0ML/10DXN463/8290 IS
COMMENTS:															
12/08/10	0/00/00	G0L060000-361 **MAXT5-1-ADL**	R	11	IK	AIR	**1.0Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN431/8290 NS 2.0ML/10DXN463/8290 IS
COMMENTS:															

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

NUMBER OF WORK ORDERS IN BATCH: 5

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0340361 **Test:** TO-9 d/f

Prep Date: 12/6/10 **Holding Times:** 12/8/10 **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: 12/6/10

2nd Level Reviewer: [signature] Date: 12/9/10

Comments:

TestAmerica West Sacramento

Data Checklist
HRGCMS/LRGCMS Analyses

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0340361 Method ID: Dioxins/Furans, HRGC/HRMS (TO-9)

	DB-5	DB-225
Data Analyst:	OS	OS
Date initiated:	12-15-10	12-16-10
Reviewer:	[illegible]	
Date reviewed:	12/16/2010	

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?	✓	✓	✓	✓
-Other QC (Dup,MS,SD) within specs?**	NA	NA	NA	NA

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓	✓	✓
-All raw data present?	✓	✓	✓	✓
-Standard target DL's used? If RL's are used specify:_____	✓	✓	✓	✓
-DL's below TDL /(LCL)(please circle)?	✓	✓	✓	✓
-All positives reported at levels greater than method blank DL's?	✓	✓	✓	✓
-Correct RRF's used for method?	✓	✓	✓	✓
-Internal standard amounts correct for method?	✓	✓	✓	✓
-Target analytes are not saturated?	✓	✓	✓	✓
-Dilution/splitting of extract taken into account?	NA	NA	NA	NA
-Have dilution calculations been verified?	NA	NA	NA	NA
-Has a manual calculation for the sequence(s) been verified?	✓	✓	✓	✓
-Are retention times (RT) correct?	✓	✓	✓	✓
-Manual integrations checked?	✓	✓	NA	✓

Comments: (Use other side if necessary)

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Air Extraction

Batch: 0343325
MS Run #:
Prep Date: 12/9/2010

Shared QC Batch: Same
Shares QC With: NA

Internal COC:	
Delivered to Inst.:	12/10/10
Inst Receipt:	

Box # 35

RUSH

Method: IK TO-9
Matrix: S AIR
Extraction: 11 SOXHLET (NONE,Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: IK - S - 11 - 3W

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	J31N58
Hexane	Baker	F34E43
H2SO4	Baker	NA
20% DCM:Hexane	NA	3630-85C
65% DCM:Hexane	NA	3630-88B
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	NA	4022-106
Acid Alumina	MP	79
5% Carbon:Silica Gel	NA	NA

Soxhlet time on: 13:45 Soxhlet time off: 9:20

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
G0L040465 - 11		MAWFF1AC	12/9/2010	0.5	✓		1/18/2011			5
G0L040465 - 12		MAWFG1AC	12/9/2010	0.5	✓		1/18/2011			7
G0L090000 - 325	B	MA45N1AA	12/9/2010	0.5	✓	12/10/10	1/18/2011	12/10/10		5
G0L090000 - 325	C	MA45N1AC	12/9/2010	0.5	✓		1/18/2011			7
G0L090000 - 325	L	MA45N1AD	12/9/2010	0.5	✓		1/18/2011			6

* 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/1000N 4631 8290 IS/ 2-4 PSIW	12/6/10	[signature]	ECL	12/9/10
Spike Mix LCS/LCSD~~MS/MS~~	100uL/100N 431/ 8290 NS/ 4-4UPSH	9/27/11	[signature]	ECL	12/9/10
Pre-Spike Standard MB/~~LCS/LCSD~~	200uL/1000N 4221 TO-9 Surr/ 100 PSIW	7/16/11	[signature]	ECL	12/9/10
Recovery Standard All Samples	20.0uL 100N508	10/28/11	[signature]	[signature]	12/10/10
Soxhlet Extraction Analyst/Date	SVby [signature] 12/8/10				

12/10/10

RUSH

Split/Archive 1/2 Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
T.L 12/10/10	—	T.L 12/10/10	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/10/10
Time: 16:34:01

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

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

Extractionist: 090182 Steve Valmores

Concentrationist: 006625 Elizabeth Nguyen

QC BATCH: 0343325

PREP DATE: 12/09/10 14:00
COMP DATE: 12/10/10 17:00

Reviewer/Date: NGUYENE / 12/10/10

Dioxins/Furans, HRGC/HRMS (TO-9)
SOXHLET (NONE,Na2SO4)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
12/09/10	12/13/10	G0L040465-011 **MAWFF-1-AC**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN463/8290 IS
COMMENTS:															
12/09/10	12/13/10	G0L040465-012 **MAWFG-1-AC**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN463/8290 IS
COMMENTS:															
12/09/10	0/00/00	G0L090000-325 **MA45N-1-AAB**		11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	2.0ML/10DXN463/8290 IS
COMMENTS:															
12/09/10	0/00/00	G0L090000-325 **MA45N-1-ACC**		11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN431/8290 NS 2.0ML/10DXN463/8290 IS
COMMENTS:															
12/09/10	0/00/00	G0L090000-325 **MA45N-1-ADL**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOLUENE	700.0		.0	100UL/10DXN431/8290 NS 2.0ML/10DXN463/8290 IS
COMMENTS:															

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

NUMBER OF WORK ORDERS IN BATCH: 5

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0343325 **Test:** TO-9 d/f

Prep Date: 12/9/10 **Holding Times:** 12/9/10 **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: ECF Date: 12/9/10

2nd Level Reviewer: [signature] Date: 12/10/10

Comments:

TestAmerica West Sacramento

Data Checklist
HRGCMS/LRGCMS Analyses

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0343325 Method ID: Dioxins/Furans, HRGC/HRMS (TO-9)

	DB-5	DB-225
Data Analyst:	OS	
Date initiated:	12-15-10	
Reviewer:	[signature]	
Date reviewed:	12/17/2010	

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓		
-Method Blank present?	✓	✓		
-LCS/DCS copy present and meets native recovery criteria?	✓	✓		
-Internal standard recoveries within limits?*	✓	✓		
-Ion ratios within + 15% of theoretical values?	✓	✓		
-Other QC (Dup,MS,SD) within specs?**	NA	NA		

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓		
-All raw data present?	✓	✓		
-Standard target DL's used? If RL's are used specify:_____	✓	✓		
-DL's below TDL / (LCL) (please circle)?	✓	✓		
-All positives reported at levels greater than method blank DL's?	✓	✓		
-Correct RRF's used for method?	✓	✓		
-Internal standard amounts correct for method?	✓	✓		
-Target analytes are not saturated?	✓	✓		
-Dilution/splitting of extract taken into account?	NA	NA		
-Have dilution calculations been verified?	NA	NA		
-Has a manual calculation for the sequence(s) been verified?	✓	✓		
-Are retention times (RT) correct?	✓	✓		
-Manual integrations checked?	✓	✓		

Comments: (Use other side if necessary)

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

QA-371 07/99 MAF

AIR, Metals by ICPMS (As and Mn)

Raw Data Package

ICPMS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): **M01** (M02)		Method 6020 SOP SAC-MT-0001	
File Number	Batch Numbers	Date	Analyst
101209C2	337239, 342304, 342298	12/09/10	SM

Lot Numbers: G0K220526, G0L080442, G0L010465	YES	NO	NA
1. Copy of analysis protocol used included?	✓		
2. ICVs & CCVs within 10% of true value or recal and rerun?	✓		
3. ICB & CCBs < reporting limit or recal and rerun?	✓		
4. 10 samples or less analyzed between calibration checks?	✓		
5. All parameters within linear range?	✓		
6. LCS/LCSD within limits?	✓		
7. Prep blank value < reporting limit or all samples >20x blank?	✓		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <120% of the Calibration Blank intensities?	✓		
9. Appropriate dilution factors applied to data?	✓		
10. Matrix spike and spike dup within customer defined limits?			✓
11. Each batch checked for presence of internal standard in samples?	✓		
12. Anomalies entered using Clouseau?			✓

COMMENTS: _____

REVIEWED BY: BFV
DATE: 12/10/10

DATA ENTERED BY: SM
DATE: 12-10-10

Dataset Report

Perkin Elmer M02
SOP No. SAC-MT-0001
Method: 6020,200.8

User Name: metal
Computer Name: SACP1223
Dataset File Path: E:\elandata\Dataset\101209c\
Report Date/Time: Friday, December 10, 2010 06:51:47

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	Rinse 2X	13:33:53 Thu 09-Dec-10	Sample	
	Blank	13:37:54 Thu 09-Dec-10	Blank	
	Standard 1	13:41:49 Thu 09-Dec-10	Standard #1	
	ICV	13:45:28 Thu 09-Dec-10	Sample	
	ICB	13:49:13 Thu 09-Dec-10	Sample	
	LLSTD1	13:52:57 Thu 09-Dec-10	Sample	LLSTD@10X
	LLSTD2	13:56:40 Thu 09-Dec-10	Sample	LLSTD@5X
	ICSA	14:00:23 Thu 09-Dec-10	Sample	
	ICSAB	14:04:05 Thu 09-Dec-10	Sample	
	Rinse	14:26:06 Thu 09-Dec-10	Sample	
	CCV 1	14:33:31 Thu 09-Dec-10	Sample	
	CCB 1	14:37:15 Thu 09-Dec-10	Sample	
	CCV 2	14:40:59 Thu 09-Dec-10	Sample	
	CCB 2	14:44:43 Thu 09-Dec-10	Sample	
337239	MATVCB	14:48:24 Thu 09-Dec-10	Sample	G0L030000-239 BLK
337239	MATVCC	14:52:05 Thu 09-Dec-10	Sample	G0L030000-239 LCS
337239	MATVCL	14:55:44 Thu 09-Dec-10	Sample	G0L030000-239 LCSD
342304/298	MA2E2B	14:59:24 Thu 09-Dec-10	Sample	G0L080000-304 BLK
342304/298	MA2E2C } shared QC	15:03:05 Thu 09-Dec-10	Sample	G0L080000-304 LCS
342298/304	MA2ENL	15:06:43 Thu 09-Dec-10	Sample	G0L080000-298 LCSD
342304	MA1VW	15:10:21 Thu 09-Dec-10	Sample	G0L080442-1
342304	MA1VWP5	15:13:58 Thu 09-Dec-10	Sample	G0L080442-1 5X
342304	MA1VWX	15:17:35 Thu 09-Dec-10	Sample	G0L080442-1 DU
342304	MA1VWZ	15:21:13 Thu 09-Dec-10	Sample	G0L080442-1 PS
	CCV 3	15:24:56 Thu 09-Dec-10	Sample	
	CCB 3	15:28:40 Thu 09-Dec-10	Sample	
	CCV 4	15:32:24 Thu 09-Dec-10	Sample	
	CCB 4	15:36:08 Thu 09-Dec-10	Sample	
342304	MA1VX	15:39:46 Thu 09-Dec-10	Sample	G0L080442-2
342304	MA1V1	15:43:25 Thu 09-Dec-10	Sample	G0L080442-3
342304	MA1V3	15:47:03 Thu 09-Dec-10	Sample	G0L080442-4
342304	MA1V4	15:50:42 Thu 09-Dec-10	Sample	G0L080442-5
342298	MAWEP	15:54:20 Thu 09-Dec-10	Sample	G0L040465-1
342298	MAWEPP5	15:57:59 Thu 09-Dec-10	Sample	G0L040465-1 5X
342298	MAWEPZ	16:01:39 Thu 09-Dec-10	Sample	G0L040465-1 PS
342298	MAWEQ	16:05:18 Thu 09-Dec-10	Sample	G0L040465-2
	CCV 5	16:09:03 Thu 09-Dec-10	Sample	
	CCB 5	16:12:47 Thu 09-Dec-10	Sample	

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M02 Reported: 12/10/10 07:33:34

File ID: 101209C2 **Analyst: hargraves**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Rinse 2X				2.0	12/09/10 13:33		☐
2	Blank				1.0	12/09/10 13:37		☐
3	Standard1				1.0	12/09/10 13:41		☐
4	ICV				1.0	12/09/10 13:45		☐
5	ICB				1.0	12/09/10 13:49		☐
6	LLSTD1				1.0	12/09/10 13:52		☐
7	LLSTD2				1.0	12/09/10 13:56		☐
8	ICSA				1.0	12/09/10 14:00		☐
9	ICSAB				1.0	12/09/10 14:04		☐
10	Rinse				1.0	12/09/10 14:26		☐
11	CCV 1				1.0	12/09/10 14:33		☐
12	CCB 1				1.0	12/09/10 14:37		☐
13	CCV 2				1.0	12/09/10 14:40		☐
14	CCB 2				1.0	12/09/10 14:44		☐
15	MATVCB	G0L030000	0337239	EC	1.0	12/09/10 14:48		☐
16	MATVCC	G0L030000	0337239	EC	1.0	12/09/10 14:52		☐
17	MATVCL	G0L030000	0337239	EC	1.0	12/09/10 14:55		☐
18	MA2E2B	G0L080000	0342304	2A	1.0	12/09/10 14:59		☐
19	MA2E2C	G0L080000	0342304	2A	1.0	12/09/10 15:03		☐
20	MA2ENL	G0L080000	0342298	2A	1.0	12/09/10 15:06		☐
21	MA1VW	G0L080442-1	0342304	2A	1.0	12/09/10 15:10		☐
22	MA1VWP5	G0L080442	0342304		5.0	12/09/10 15:13		☐
23	MA1VWX	G0L080442-1	0342304	2A	1.0	12/09/10 15:17		☐
24	MA1VWZ	G0L080442-1	0342304		1.0	12/09/10 15:21		☐
25	CCV 3				1.0	12/09/10 15:24		☐
26	CCB 3				1.0	12/09/10 15:28		☐
27	CCV 4				1.0	12/09/10 15:32		☐
28	CCB 4				1.0	12/09/10 15:36		☐
29	MA1VX	G0L080442-2	0342304	2A	1.0	12/09/10 15:39		☐
30	MA1V1	G0L080442-3	0342304	2A	1.0	12/09/10 15:43		☐
31	MA1V3	G0L080442-4	0342304	2A	1.0	12/09/10 15:47		☐
32	MA1V4	G0L080442-5	0342304	2A	1.0	12/09/10 15:50		☐
33	MAWEP	G0L040465-1	0342298	2A	1.0	12/09/10 15:54		☐
34	MAWEPP5	G0L040465	0342298		5.0	12/09/10 15:57		☐
35	MAWEPZ	G0L040465-1	0342298		1.0	12/09/10 16:01		☐
36	MAWEQ	G0L040465-2	0342298	2A	1.0	12/09/10 16:05		☐
37	CCV 5				1.0	12/09/10 16:09		☐
38	CCB 5				1.0	12/09/10 16:12		☐

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M02 (M02) Reported: 12/10/10 07:33:34

File ID: 101209C2 **Analyst:** hargraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	12/09/10 13:33	68.8	72.3	67.5	70.5	☐
2	Blank	12/09/10 13:37	100.0	100.0	100.0	100.0	☑
3	Standard1	12/09/10 13:41	96.7	97.6	97.6	96.8	☑
4	ICV	12/09/10 13:45	95.7	96.5	95.7	94.1	☑
5	ICB	12/09/10 13:49	96.0	97.1	96.8	95.2	☑
6	LLSTD1	12/09/10 13:52	96.7	97.0	97.5	96.3	☑
7	LLSTD2	12/09/10 13:56	97.6	95.9	96.5	97.0	☑
8	ICSA	12/09/10 14:00	82.7	83.8	80.6	90.3	☑
9	ICSAB	12/09/10 14:04	82.8	84.0	81.0	91.2	☑
10	Rinse	12/09/10 14:26	101.5	101.8	95.6	103.8	☑
11	CCV 1	12/09/10 14:33	98.2	98.5	95.0	100.7	☑
12	CCB 1	12/09/10 14:37	99.7	101.1	96.1	101.9	☑
13	CCV 2	12/09/10 14:40	96.6	96.5	94.5	99.3	☑
14	CCB 2	12/09/10 14:44	98.6	99.0	95.7	100.7	☑
15	MATVCB	12/09/10 14:48	95.3	95.8	89.7	96.6	☑
16	MATVCC	12/09/10 14:52	93.2	93.5	88.4	94.7	☑
17	MATVCL	12/09/10 14:55	91.8	94.1	88.2	95.6	☑
18	MA2E2B	12/09/10 14:59	94.0	97.1	90.5	98.7	☑
19	MA2E2C	12/09/10 15:03	95.5	97.0	93.4	99.9	☑
20	MA2ENL	12/09/10 15:06	93.7	98.3	92.2	98.6	☑
21	MA1VW	12/09/10 15:10	94.1	97.2	90.9	97.5	☑
22	MA1VWP5	12/09/10 15:13	96.8	97.7	95.9	99.0	☐
23	MA1VWX	12/09/10 15:17	94.4	97.4	93.1	97.1	☑
24	MA1VWZ	12/09/10 15:21	87.9	90.9	90.4	91.0	☑
25	CCV 3	12/09/10 15:24	90.3	93.1	94.1	92.5	☑
26	CCB 3	12/09/10 15:28	91.9	94.3	95.7	93.1	☑
27	CCV 4	12/09/10 15:32	91.7	93.6	96.5	94.3	☑
28	CCB 4	12/09/10 15:36	93.5	95.0	96.4	94.6	☑
29	MA1VX	12/09/10 15:39	91.0	93.3	90.7	92.8	☑
30	MA1V1	12/09/10 15:43	89.3	92.3	85.0	92.9	☑
31	MA1V3	12/09/10 15:47	92.6	95.5	88.6	94.3	☑
32	MA1V4	12/09/10 15:50	92.7	96.5	89.7	96.2	☑
33	MAWEP	12/09/10 15:54	95.1	97.3	90.9	98.9	☑
34	MAWEPP5	12/09/10 15:57	94.5	95.8	93.5	95.5	☐
35	MAWEPZ	12/09/10 16:01	91.4	94.7	90.4	96.0	☑
36	MAWEQ	12/09/10 16:05	93.6	96.4	90.9	95.5	☑
37	CCV 5	12/09/10 16:09	92.3	93.3	93.1	94.4	☑
38	CCB 5	12/09/10 16:12	94.9	95.9	94.3	96.6	☑

Quantitative Method Report

File Name: 0337239X.mth
File Path: E:\elandata\Method\0337239X.mth

Timing Parameters

Sweeps/Reading:	50
Readings/Replicate:	1
Number of Replicates:	3
Tuning File:	default.tun
Optimization File:	default.dac
QC Enabled:	Yes
Settling Time:	Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
Ca	43.956	Peak Hopping	1	14.0 ms	700 ms
Cr	51.941	Peak Hopping	1	14.0 ms	700 ms
Mn	54.938	Peak Hopping	1	14.0 ms	700 ms
Ni	59.933	Peak Hopping	1	14.0 ms	700 ms
Cu	64.928	Peak Hopping	1	14.0 ms	700 ms
Zn	67.925	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	110.904	Peak Hopping	1	14.0 ms	700 ms
Sb	120.904	Peak Hopping	1	14.0 ms	700 ms
Ba	134.906	Peak Hopping	1	14.0 ms	700 ms
In-1	114.904	Peak Hopping	1	14.0 ms	700 ms
Pb	207.977	Peak Hopping	1	14.0 ms	700 ms
Tm-1	168.934	Peak Hopping	1	14.0 ms	700 ms
Cr	49.946	Peak Hopping	1	5.0 ms	250 ms
Cr	52.941	Peak Hopping	1	5.0 ms	250 ms
Ni	60.931	Peak Hopping	1	5.0 ms	250 ms
Cu	62.930	Peak Hopping	1	5.0 ms	250 ms
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	Peak Hopping	1	5.0 ms	250 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	107.904	Peak Hopping	1	5.0 ms	250 ms
Cd	113.904	Peak Hopping	1	14.0 ms	700 ms
In	114.904	Peak Hopping	1	14.0 ms	700 ms
207.977	207.977	Peak Hopping	1	14.0 ms	700 ms
Pb	206.976	Peak Hopping	1	14.0 ms	700 ms
Pb	205.975	Peak Hopping	1	14.0 ms	700 ms
Tm	168.934	Peak Hopping	1	14.0 ms	700 ms

Signal Processing

Detector Mode:	Dual
Measurement Units:	Counts
AutoLens:	On
Spectral Peak Processing:	Average

Report Date/Time: Friday, December 10, 2010 06:51:58
Page 1

Signal Profile Processing: Average
Blank Subtraction: After Internal Standard
Baseline Readings: 0
Smoothing: Yes, Factor 5

Equations

Analyte	Mass	Corrections
Ni	59.933	-0.005 * Ca 43
Cu	64.928	-0.0078 * Ti 49
Zn	67.925	-0.02 * Ba 136
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78
Cd	110.904	-1.073 * Pd 108 + 0.712 * Pd 106
In-1	114.904	- 0.014032 * Sn 118
Pb	207.977	+ 1.0 * Pb 207 + 1.0 * Pb 206
Cr	49.946	- 0.739726 * Ti 47 - 0.002506 * V 51
Cd	107.904	- 1.184953 * Pd 105
Cd	113.904	- 0.026826 * Sn 118
In	114.904	- 0.014032 * Sn 118

Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Sc	44.956	Linear Thru Zero	ug/L	ug/L				
Li-1	6.015	Linear Thru Zero	ug/L	ug/L				
Be	9.012	Linear Thru Zero	ug/L	ug/L	100			
Ca	43.956	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Cr	51.941	Linear Thru Zero	ug/L	ug/L	100			
Mn	54.938	Linear Thru Zero	ug/L	ug/L	100			
Ni	59.933	Linear Thru Zero	ug/L	ug/L	100			
Cu	64.928	Linear Thru Zero	ug/L	ug/L	100			
Zn	67.925	Linear Thru Zero	ug/L	ug/L	100			
As	74.922	Linear Thru Zero	ug/L	ug/L	100			
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L				
Cd	110.904	Linear Thru Zero	ug/L	ug/L	100			
Sb	120.904	Linear Thru Zero	ug/L	ug/L	50			
Ba	134.906	Linear Thru Zero	ug/L	ug/L	100			
In-1	114.904	Linear Thru Zero	ug/L	ug/L				
Pb	207.977	Linear Thru Zero	ug/L	ug/L	100			
Tm-1	168.934	Linear Thru Zero	ug/L	ug/L				
Cr	49.946	Linear Thru Zero	ug/L	ug/L	100			
Cr	52.941	Linear Thru Zero	ug/L	ug/L	100			
Ni	60.931	Linear Thru Zero	ug/L	ug/L	100			
Cu	62.930	Linear Thru Zero	ug/L	ug/L	100			
Zn	66.927	Linear Thru Zero	ug/L	ug/L	100			
Zn	65.926	Linear Thru Zero	ug/L	ug/L	100			
Ge	71.922	Linear Thru Zero	ug/L	ug/L				
Cd	107.904	Linear Thru Zero	ug/L	ug/L	100			
Cd	113.904	Linear Thru Zero	ug/L	ug/L	100			
In	114.904	Linear Thru Zero	ug/L	ug/L				
207.97	207.977	Linear Thru Zero	ug/L	ug/L	100			
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100			
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100			
Tm	168.934	Linear Thru Zero	ug/L	ug/L				

TAL-W. SACRMENTO – Perkin Elmer Elan 6000 ICPMS, M02 – Methods 6020, 200.8

AIR TOX Standards - 4 % HNO3, 0.5 % HCl

Standards for run:

Tuning standard: 4075-25B

Internal standard: 4075-22C

Blank, CCBs: 3185-42D

Standard 1, CCVs: 4075-21E

ICV: 4075-20D

ICSA: 4075-27B

ICSAB: 4075-27C

File Number: 101209C2

Instrument Tuning Report

File Name: default.tun

Sample Information

Sample Date/Time: Thursday, December 09, 2010 06:00:02

Sample ID: TUNE SHARGRAVE

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.077	1576	0.724	2041	
Be	9.012	8.928	2057	0.703	2030	
Mg	23.985	24.028	5734	0.727	2008	
Co	58.933	58.978	14256	0.731	1958	
In	114.904	114.879	27862	0.743	1942	
Ce	139.905	139.928	33975	0.731	1986	
Tl	204.975	204.979	49681	0.718	2192	
Pb	207.977	208.028	50424	0.725	2210	
U	238.050	238.075	57630	0.719	2365	

Elan 6000 Instrument Optomization Report

Path e:\elandata\Optimize
File Name e:\elandata\Optimize\default.dac

Sample Information

Sample Date/Time: Thursday, December 09, 2010 06:00:02
Sample ID: TUNE SHARGRAVE

Parameter Settings

Nebulizer Gas Flow	0.92
Lens Voltage	9.00
ICP RF Power	1100.00
Analog Stage Voltage	-2000.00
Pulse Stage Voltage	1350.00
Discriminator Threshold	70.00
AC Rod Offset	-7.00
Service DAC 1	60.00
Quadrupole Rod Offset	0.00

AutoLens Calibration

Date:	06:13:24 Thu 09-Dec-10
Sample Filename:	AUTOLENS SHARGRAVE.004
Dataset Pathname:	101209a2\
Lens Voltage Start:	5.50
Lens Voltage End:	10.00
Lens Voltage Step:	0.25
Slope:	0.01886644
Intercept:	6.35009668

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	6.5	5235.0	19
Co	58.933	7.5	132527.0	19
In	114.904	8.5	299302.2	19

Dual Detector Calibration

Date:	08:01:56 Tue 07-Dec-10
Sample Filename:	DAILY SHARGRAVE.1097
Dataset Pathname:	dual detector calibration\
Points Acquired:	37
Lens Vol Start:	-3.00
Lens Vol End:	15.00
Lens Vol Step:	0.50

Analyte	Mass	Gain	N(max)
Li	6.015	10129.15	1235998078.193
Li	7.016	9449.89	1324842000.392
Be	9.012	8857.80	1413399228.860
B	11.009	9146.06	1368852249.810

Na	22.990	9118.55	1372981536.992
Mg	23.985	8534.23	1466986957.713
Mg	24.986	8369.25	1495905758.665
Al	26.982	7911.93	1582369824.835
Si	27.977	8973.22	1395219571.285
P	30.994	7287.08	1718055165.115
K	38.964	7100.33	1763243847.627
Ca	42.959		
Ca	43.956	6971.61	1795798956.472
Sc	44.956	7080.85	1768093466.146
V	50.944	6876.33	1820682362.555
Cr	51.941	6628.40	1888781365.139
Fe	53.940	6525.67	1918515148.090
Mn	54.938	6554.76	1910002204.770
Fe	56.935	6424.60	1948697279.431
Co	58.933	6269.19	1997004380.979
Ni	59.933	6081.55	2058620450.330
Cu	62.930	5973.72	2095780633.374
Cu	64.928	5888.17	2126231105.985
Zn	67.925	5952.75	2103161748.568
Ge	71.922	6127.47	2043191900.987
As	74.922	6124.98	2044023708.276
Se	77.917	6122.66	2044797442.453
Br	78.918		
Se	81.917	6050.71	2069114669.712
Sr	87.906		
Mo	96.906	6128.33	2042906515.828
Ag	106.905	5534.60	2262061270.648
Ag	108.905	5536.88	2261130679.220
Cd	110.904	5626.11	2225268192.020
Cd	113.904	5627.50	2224719836.750
In	114.904	5658.70	2212451551.812
Sn	117.902	5649.45	2216076556.491
Sb	120.904	5651.19	2215394633.559
Ba	134.906	5526.61	2265330490.437
Ho	164.930		
Tm	168.934	5351.68	2339377359.067
Tl	204.975	5104.08	2452862601.143
Pb	207.977	5100.71	2454483234.194
U	238.050	5062.74	2472892833.787

Daily Performance Report

Sample ID: DAILY SHARGRAVE
Sample Date/Time: Thursday, December 09, 2010 06:20:56
Sample Description:
Sample File: E:\elandata\Sample\0342304X.sam
Method File: E:\elandata\Method\000daily.mth
Dataset File: e:\elandata\dataset\101209a2\DAILY SHARGRAVE.005
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Number of Replicates: 5
Dual Detector Mode: Dual

Summary

	Analyte	Mass	Net Intens. Mean	Net Intens. RSD
	Mg	24	45982.889	1.868
	Rh	103	202784.859	0.803
	Pb	208	285679.186	0.793
⌈>	Ba	138	306661.430	1.051
⌊	Ba++	69	0.019	2.872
⌈>	Ce	140	385614.510	1.140
⌊	CeO	156	0.034	3.867
	Bkgd	220	0.857	149.071
	Li	7	16234.772	1.588
	Be	9	4950.205	2.204
	Co	59	113534.288	0.623
	In	115	291004.044	0.633
	Tl	205	417219.887	1.155

Sample ID: Rinse 2X
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 13:33:53
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\Rinse 2X.001
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			809253.549	ug/L	0.000
>	6	Li-1			649892.234	ug/L	0.000
	9	Be			4.667	ug/L	0.000
	44	Ca			6221.711	ug/L	0.000
	52	Cr			16550.198	ug/L	0.000
	55	Mn			5584.783	ug/L	0.000
	60	Ni			178.556	ug/L	0.000
	65	Cu			282.983	ug/L	0.000
	68	Zn			4061.220	ug/L	0.000
	75	As	3.919433	141.256	10487.216	ug/L	14454.731
>	72	Ge-1			748160.455	ug/L	1324496.772
	111	Cd			33.520	ug/L	0.000
	121	Sb			419.014	ug/L	0.000
	135	Ba			143.335	ug/L	0.000
>	115	In-1			773277.526	ug/L	0.000
	208	Pb			1454.066	ug/L	0.000
>	169	Tm-1			905763.636	ug/L	0.000
	50	Cr			-19.893	ug/L	0.000
	53	Cr			13536.197	ug/L	0.000
	61	Ni			879.181	ug/L	0.000
	63	Cu			188.341	ug/L	0.000
	67	Zn			619.418	ug/L	0.000
	66	Zn			1967.852	ug/L	0.000
>	72	Ge			748160.455	ug/L	0.000
	108	Cd			3.297	ug/L	0.000
	114	Cd			90.575	ug/L	0.000
>	115	In			773277.526	ug/L	0.000
	208	207.977			764.714	ug/L	0.000
	207	Pb			314.675	ug/L	0.000
	206	Pb			374.678	ug/L	0.000
>	169	Tm			905763.636	ug/L	0.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	

└	Be	9	
┌	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
└>	Ge-1	72	56.486
┌	Cd	111	
|	Sb	121	
|	Ba	135	
└>	In-1	115	
┌	Pb	208	
└>	Tm-1	169	
┌	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
└>	Ge	72	
┌	Cd	108	
|	Cd	114	
└>	In	115	
┌	207.977	208	
|	Pb	207	
|	Pb	206	
└>	Tm	169	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 13:37:54
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\Blank.002
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1170407.260	ug/L	
[>	6	Li-1			963334.036	ug/L	
[	9	Be			3.000	ug/L	
[	44	Ca			5547.751	ug/L	
[	52	Cr			16882.701	ug/L	
[	55	Mn			907.398	ug/L	
[	60	Ni			336.586	ug/L	
[	65	Cu			63.284	ug/L	
[	68	Zn			229.393	ug/L	
[	75	As			10806.316	ug/L	
[>	72	Ge-1			1087845.346	ug/L	
[	111	Cd			39.569	ug/L	
[	121	Sb			216.670	ug/L	
[	135	Ba			133.001	ug/L	
[>	115	In-1			1070122.967	ug/L	
[	208	Pb			605.344	ug/L	
[>	169	Tm-1			1284635.718	ug/L	
[	50	Cr			-52.685	ug/L	
[	53	Cr			14801.716	ug/L	
[	61	Ni			1243.674	ug/L	
[	63	Cu			48.001	ug/L	
[	67	Zn			667.431	ug/L	
[	66	Zn			85.668	ug/L	
[>	72	Ge			1087845.346	ug/L	
[	108	Cd			2.260	ug/L	
[	114	Cd			102.312	ug/L	
[>	115	In			1070122.967	ug/L	
[	208	207.977			310.674	ug/L	
[	207	Pb			125.668	ug/L	
[	206	Pb			169.002	ug/L	
[>	169	Tm			1284635.718	ug/L	

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	

⌊	Be	9
⌈	Ca	44
|	Cr	52
|	Mn	55
|	Ni	60
|	Cu	65
|	Zn	68
|	As	75
⌊>	Ge-1	72
⌈	Cd	111
|	Sb	121
|	Ba	135
⌊>	In-1	115
⌈	Pb	208
⌊>	Tm-1	169
⌈	Cr	50
|	Cr	53
|	Ni	61
|	Cu	63
|	Zn	67
|	Zn	66
⌊>	Ge	72
⌈	Cd	108
|	Cd	114
⌊>	In	115
⌈	207.977	208
|	Pb	207
|	Pb	206
⌊>	Tm	169

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: Standard 1
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 13:41:49
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\Standard 1.003
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1140773.728	ug/L	1170407.260
>	6	Li-1			940307.815	ug/L	963334.036
	9	Be	100.000000	1.010	29187.788	ug/L	3.000
	44	Ca	5100.000000	0.822	901620.968	ug/L	5547.751
	52	Cr	100.000000	0.214	587312.447	ug/L	16882.701
	55	Mn	100.000000	0.138	890495.829	ug/L	907.398
	60	Ni	100.000000	0.281	135169.602	ug/L	336.586
	65	Cu	100.000000	0.676	147309.120	ug/L	63.284
	68	Zn	100.000000	1.524	53743.593	ug/L	229.393
	75	As	100.000000	1.085	135530.574	ug/L	10806.316
>	72	Ge-1			1052212.137	ug/L	1087845.346
	111	Cd	100.000000	1.184	116199.450	ug/L	39.569
	121	Sb	50.000000	2.293	208266.593	ug/L	216.670
	135	Ba	100.000000	1.212	145436.513	ug/L	133.001
>	115	In-1			1044163.202	ug/L	1070122.967
	208	Pb	100.000000	0.568	2579044.314	ug/L	605.344
>	169	Tm-1			1243591.822	ug/L	1284635.718
	50	Cr	100.000000	1.144	13439.847	ug/L	-52.685
	53	Cr	100.000000	1.832	38812.656	ug/L	14801.716
	61	Ni	100.000000	1.028	3458.296	ug/L	1243.674
	63	Cu	100.000000	0.722	107331.817	ug/L	48.001
	67	Zn	100.000000	2.252	5726.875	ug/L	667.431
	66	Zn	100.000000	0.246	27703.494	ug/L	85.668
>	72	Ge			1052212.137	ug/L	1087845.346
	108	Cd	100.000000	2.546	7712.050	ug/L	2.260
	114	Cd	100.000000	1.687	281395.791	ug/L	102.312
>	115	In			1044163.202	ug/L	1070122.967
	208	207.977	100.000000	0.865	1314829.365	ug/L	310.674
	207	Pb	100.000000	0.669	545194.628	ug/L	125.668
	206	Pb	100.000000	0.334	719020.321	ug/L	169.002
>	169	Tm			1243591.822	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	

└	Be	9
┌	Ca	44
|	Cr	52
|	Mn	55
|	Ni	60
|	Cu	65
|	Zn	68
|	As	75
└>	Ge-1	72
┌	Cd	111
|	Sb	121
|	Ba	135
└>	In-1	115
┌	Pb	208
└>	Tm-1	169
┌	Cr	50
|	Cr	53
|	Ni	61
|	Cu	63
|	Zn	67
|	Zn	66
└>	Ge	72
┌	Cd	108
|	Cd	114
└>	In	115
┌	207.977	208
|	Pb	207
|	Pb	206
└>	Tm	169

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: ICV
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 13:45:28
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\ICV .004
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 3
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1137776.810	ug/L	1170407.260
>	6	Li-1			921835.806	ug/L	963334.036
	9	Be	80.382858	1.539	23001.500	ug/L	3.000
	44	Ca	827.589261	0.615	149202.226	ug/L	5547.751
	52	Cr	78.490623	1.296	459579.036	ug/L	16882.701
	55	Mn	79.935454	0.655	704437.996	ug/L	907.398
	60	Ni	80.569261	0.786	107820.622	ug/L	336.586
	65	Cu	81.454661	1.149	118740.230	ug/L	63.284
	68	Zn	82.137160	0.151	43717.601	ug/L	229.393
	75	As	79.403939	0.407	108607.880	ug/L	10806.316
>	72	Ge-1			1041051.301	ug/L	1087845.346
	111	Cd	80.477599	0.852	92496.140	ug/L	39.569
	121	Sb	39.507987	1.498	162790.693	ug/L	216.670
	135	Ba	77.806387	0.676	111945.598	ug/L	133.001
>	115	In-1			1032591.068	ug/L	1070122.967
	208	Pb	81.818843	1.081	2051495.664	ug/L	605.344
>	169	Tm-1			1209062.550	ug/L	1284635.718
	50	Cr	68.855478	4.360	9142.069	ug/L	-52.685
	53	Cr	75.442974	2.823	32451.127	ug/L	14801.716
	61	Ni	78.438765	3.653	2940.903	ug/L	1243.674
	63	Cu	81.551988	0.617	86607.057	ug/L	48.001
	67	Zn	83.500553	3.735	4837.816	ug/L	667.431
	66	Zn	82.150139	1.595	22534.897	ug/L	85.668
>	72	Ge			1041051.301	ug/L	1087845.346
	108	Cd	78.886328	1.581	6018.311	ug/L	2.260
	114	Cd	79.887445	0.639	222336.317	ug/L	102.312
>	115	In			1032591.068	ug/L	1070122.967
	208	207.977	83.855562	1.119	1071882.395	ug/L	310.674
	207	Pb	85.959899	1.466	455603.414	ug/L	125.668
	206	Pb	74.954420	0.946	524009.855	ug/L	169.002
>	169	Tm			1209062.550	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.692

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	95.698
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	96.493
⌈	Pb	208	
⌊>	Tm-1	169	94.117
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	95.698
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	96.493
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	94.117

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: ICB
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 13:49:13
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\ICB.005
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1146563.912	ug/L	1170407.260
⌈>	6	Li-1			932608.385	ug/L	963334.036
⌊	9	Be	0.004986	177.275	4.333	ug/L	3.000
⌈	44	Ca	6.836806	7.878	6521.006	ug/L	5547.751
|	52	Cr	0.240355	13.493	17578.249	ug/L	16882.701
|	55	Mn	0.006822	44.042	931.735	ug/L	907.398
|	60	Ni	-0.060858	19.333	241.748	ug/L	336.586
|	65	Cu	0.006267	32.556	69.953	ug/L	63.284
|	68	Zn	0.211029	22.605	332.480	ug/L	229.393
|	75	As	-0.508324	22.008	9747.066	ug/L	10806.316
⌊>	72	Ge-1			1044812.666	ug/L	1087845.346
⌈	111	Cd	-0.004542	150.645	33.226	ug/L	39.569
|	121	Sb	0.178649	6.822	950.738	ug/L	216.670
|	135	Ba	-0.012328	10.685	111.334	ug/L	133.001
⌊>	115	In-1			1039315.808	ug/L	1070122.967
⌈	208	Pb	0.007132	8.471	757.018	ug/L	605.344
⌊>	169	Tm-1			1222696.320	ug/L	1284635.718
⌈	50	Cr	-0.189282	12.251	-75.960	ug/L	-52.685
|	53	Cr	1.921231	70.036	14684.308	ug/L	14801.716
|	61	Ni	2.623728	84.356	1253.346	ug/L	1243.674
|	63	Cu	0.002384	436.238	48.667	ug/L	48.001
|	67	Zn	7.988965	7.683	1044.240	ug/L	667.431
|	66	Zn	0.080363	32.619	104.336	ug/L	85.668
⌊>	72	Ge			1044812.666	ug/L	1087845.346
⌈	108	Cd	0.019505	79.964	3.692	ug/L	2.260
|	114	Cd	-0.005941	24.530	82.707	ug/L	102.312
⌊>	115	In			1039315.808	ug/L	1070122.967
⌈	208	207.977	0.008067	16.457	400.013	ug/L	310.674
|	207	Pb	0.008356	36.851	164.335	ug/L	125.668
|	206	Pb	0.004494	54.427	192.670	ug/L	169.002
⌊>	169	Tm			1222696.320	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	96.810

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	96.044
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	97.121
⌈	Pb	208	
L>	Tm-1	169	95.178
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	96.044
⌈	Cd	108	
|	Cd	114	
L>	In	115	97.121
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	95.178

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: LLSTD1
Sample Description: LLSTD@10X
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 13:52:57
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\LLSTD1.006
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 71
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1147486.197	ug/L	1170407.260
>	6	Li-1			939598.237	ug/L	963334.036
	9	Be	0.987766	5.000	291.007	ug/L	3.000
	44	Ca	59.772397	1.332	15866.757	ug/L	5547.751
	52	Cr	1.228960	5.365	23341.067	ug/L	16882.701
	55	Mn	1.075497	2.324	10442.897	ug/L	907.398
	60	Ni	0.830532	2.037	1445.131	ug/L	336.586
	65	Cu	1.076229	4.286	1645.519	ug/L	63.284
	68	Zn	5.723758	3.964	3284.644	ug/L	229.393
	75	As	0.503218	7.309	11079.196	ug/L	10806.316
>	72	Ge-1			1051965.294	ug/L	1087845.346
	111	Cd	1.028044	5.325	1225.706	ug/L	39.569
	121	Sb	0.537265	2.377	2433.465	ug/L	216.670
	135	Ba	0.983716	3.414	1550.189	ug/L	133.001
>	115	In-1			1038271.894	ug/L	1070122.967
	208	Pb	1.041738	0.196	27293.391	ug/L	605.344
>	169	Tm-1			1236632.425	ug/L	1284635.718
	50	Cr	1.357596	4.911	132.156	ug/L	-52.685
	53	Cr	4.841281	37.540	15498.693	ug/L	14801.716
	61	Ni	0.564398	370.420	1215.325	ug/L	1243.674
	63	Cu	1.104397	2.317	1231.000	ug/L	48.001
	67	Zn	13.075614	7.121	1309.711	ug/L	667.431
	66	Zn	5.597711	2.219	1628.583	ug/L	85.668
>	72	Ge			1051965.294	ug/L	1087845.346
	108	Cd	0.942146	6.805	74.446	ug/L	2.260
	114	Cd	0.972071	2.584	2818.235	ug/L	102.312
>	115	In			1038271.894	ug/L	1070122.967
	208	207.977	1.071664	0.541	14307.399	ug/L	310.674
	207	Pb	1.088084	1.806	6018.512	ug/L	125.668
	206	Pb	0.951872	1.333	6967.480	ug/L	169.002
>	169	Tm			1236632.425	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	97.536

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	96.702
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	97.024
⌈	Pb	208	
L>	Tm-1	169	96.263
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	96.702
⌈	Cd	108	
|	Cd	114	
L>	In	115	97.024
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	96.263

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: LLSTD2
Sample Description: LLSTD@5X
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 13:56:40
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\LLSTD2.007
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 72
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1145381.038	ug/L	1170407.260
>	6	Li-1			929666.134	ug/L	963334.036
	9	Be	2.067971	7.610	599.362	ug/L	3.000
	44	Ca	104.961257	0.778	24033.967	ug/L	5547.751
	52	Cr	2.170537	2.113	28990.554	ug/L	16882.701
	55	Mn	2.032657	1.096	19137.066	ug/L	907.398
	60	Ni	1.795535	2.454	2772.408	ug/L	336.586
	65	Cu	1.996053	1.432	3028.324	ug/L	63.284
	68	Zn	10.870018	0.881	6096.492	ug/L	229.393
	75	As	1.620454	8.168	12595.349	ug/L	10806.316
>	72	Ge-1			1062019.559	ug/L	1087845.346
	111	Cd	1.996291	1.230	2317.399	ug/L	39.569
	121	Sb	1.005508	0.216	4321.133	ug/L	216.670
	135	Ba	1.987853	0.302	2967.025	ug/L	133.001
>	115	In-1			1026385.404	ug/L	1070122.967
	208	Pb	2.015669	0.959	52692.385	ug/L	605.344
>	169	Tm-1			1246726.383	ug/L	1284635.718
	50	Cr	2.527348	19.610	292.697	ug/L	-52.685
	53	Cr	7.839888	19.808	16388.226	ug/L	14801.716
	61	Ni	1.633413	82.907	1251.345	ug/L	1243.674
	63	Cu	2.035894	0.682	2251.448	ug/L	48.001
	67	Zn	18.074058	4.050	1578.548	ug/L	667.431
	66	Zn	10.358999	2.478	2971.609	ug/L	85.668
>	72	Ge			1062019.559	ug/L	1087845.346
	108	Cd	1.897987	11.705	146.052	ug/L	2.260
	114	Cd	1.971101	2.333	5548.567	ug/L	102.312
>	115	In			1026385.404	ug/L	1070122.967
	208	207.977	2.065727	1.141	27524.737	ug/L	310.674
	207	Pb	2.120556	1.209	11710.099	ug/L	125.668
	206	Pb	1.844602	0.706	13457.549	ug/L	169.002
>	169	Tm			1246726.383	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	96.505

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
Ge-1	72	97.626	
Cd	111		
Sb	121		
Ba	135		
In-1	115	95.913	
Pb	208		
Tm-1	169	97.049	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
Ge	72	97.626	
Cd	108		
Cd	114		
In	115	95.913	
207.977	208		
Pb	207		
Pb	206		
Tm	169	97.049	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: ICSA
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 14:00:23
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\ICSA .008
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 2
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			984319.754	ug/L	1170407.260
>	6	Li-1			776037.643	ug/L	963334.036
	9	Be	0.034246	18.328	10.667	ug/L	3.000
	44	Ca	97070.089354	1.314	14586105.783	ug/L	5547.751
	52	Cr	2.555760	4.960	26429.443	ug/L	16882.701
	55	Mn	6.634808	1.360	51201.492	ug/L	907.398
	60	Ni	1.315541	5.571	1794.982	ug/L	336.586
	65	Cu	-0.910791	3.958	-1093.955	ug/L	63.284
	68	Zn	4.803073	0.717	2387.406	ug/L	229.393
	75	As	0.384545	109.514	9349.021	ug/L	10806.316
>	72	Ge-1			899455.036	ug/L	1087845.346
	111	Cd	0.927305	10.134	957.909	ug/L	39.569
	121	Sb	0.241850	8.292	1046.086	ug/L	216.670
	135	Ba	2.992997	1.549	3846.496	ug/L	133.001
>	115	In-1			896654.261	ug/L	1070122.967
	208	Pb	0.513198	1.183	12882.737	ug/L	605.344
>	169	Tm-1			1159405.977	ug/L	1284635.718
	50	Cr	170.252596	1.645	19591.846	ug/L	-52.685
	53	Cr	10.718043	34.006	14477.690	ug/L	14801.716
	61	Ni	26.066975	20.837	1530.183	ug/L	1243.674
	63	Cu	3.532790	1.851	3279.699	ug/L	48.001
	67	Zn	29.336923	3.214	1826.067	ug/L	667.431
	66	Zn	9.044143	1.376	2206.070	ug/L	85.668
>	72	Ge			899455.036	ug/L	1087845.346
	108	Cd	51.868306	1.109	3436.470	ug/L	2.260
	114	Cd	3.272237	0.816	7990.634	ug/L	102.312
>	115	In			896654.261	ug/L	1070122.967
	208	207.977	0.528133	1.262	6753.249	ug/L	310.674
	207	Pb	0.527842	1.841	2795.614	ug/L	125.668
	206	Pb	0.474785	4.760	3333.874	ug/L	169.002
>	169	Tm			1159405.977	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	80.557

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	82.682
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	83.790
⌈	Pb	208	
L>	Tm-1	169	90.252
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	82.682
⌈	Cd	108	
|	Cd	114	
L>	In	115	83.790
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	90.252

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: ICSAB
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 14:04:05
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\ICSAB.009
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			972590.091	ug/L	1170407.260
>	6	Li-1			780597.433	ug/L	963334.036
	9	Be	93.838803	1.484	22736.212	ug/L	3.000
	44	Ca	95236.249503	1.177	14335362.678	ug/L	5547.751
	52	Cr	99.166999	0.695	498822.792	ug/L	16882.701
	55	Mn	104.219887	0.347	794653.685	ug/L	907.398
	60	Ni	93.007932	0.788	107666.697	ug/L	336.586
	65	Cu	86.940375	0.546	109671.103	ug/L	63.284
	68	Zn	93.669851	0.202	43122.276	ug/L	229.393
	75	As	100.917045	0.914	117035.744	ug/L	10806.316
>	72	Ge-1			900992.281	ug/L	1087845.346
	111	Cd	96.643103	1.232	96660.951	ug/L	39.569
	121	Sb	52.239097	1.131	187298.516	ug/L	216.670
	135	Ba	114.112733	0.182	142837.949	ug/L	133.001
>	115	In-1			898720.855	ug/L	1070122.967
	208	Pb	101.292067	0.400	2462188.588	ug/L	605.344
>	169	Tm-1			1172081.861	ug/L	1284635.718
	50	Cr	248.567339	4.207	28671.493	ug/L	-52.685
	53	Cr	106.459157	3.094	34585.186	ug/L	14801.716
	61	Ni	117.799108	5.115	3305.070	ug/L	1243.674
	63	Cu	91.012645	0.745	83646.480	ug/L	48.001
	67	Zn	115.852466	0.990	5593.877	ug/L	667.431
	66	Zn	99.245423	1.171	23542.306	ug/L	85.668
>	72	Ge			900992.281	ug/L	1087845.346
	108	Cd	146.486965	0.774	9723.721	ug/L	2.260
	114	Cd	98.345202	0.859	238205.087	ug/L	102.312
>	115	In			898720.855	ug/L	1070122.967
	208	207.977	101.595918	0.753	1259020.602	ug/L	310.674
	207	Pb	101.157915	0.518	519806.357	ug/L	125.668
	206	Pb	100.838153	0.627	683361.629	ug/L	169.002
>	169	Tm			1172081.861	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	81.031

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	82.824
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	83.983
⌈	Pb	208	
L>	Tm-1	169	91.238
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	82.824
⌈	Cd	108	
|	Cd	114	
L>	In	115	83.983
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	91.238

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 14:26:06
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\Rinse.010
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1219392.669	ug/L	1170407.260
>	6	Li-1			920899.645	ug/L	963334.036
	9	Be	-0.000748	1168.360	2.667	ug/L	3.000
	44	Ca	9.814008	3.087	7441.682	ug/L	5547.751
	52	Cr	0.316055	20.224	19031.086	ug/L	16882.701
	55	Mn	0.302713	0.791	3747.436	ug/L	907.398
	60	Ni	-0.149487	7.074	130.083	ug/L	336.586
	65	Cu	0.081802	14.007	190.697	ug/L	63.284
	68	Zn	4.344328	1.893	2673.400	ug/L	229.393
	75	As	-0.409708	37.242	10432.554	ug/L	10806.316
>	72	Ge-1			1104306.937	ug/L	1087845.346
	111	Cd	-0.015241	22.772	21.827	ug/L	39.569
	121	Sb	-0.028530	12.797	96.667	ug/L	216.670
	135	Ba	0.002221	689.066	138.668	ug/L	133.001
>	115	In-1			1089816.147	ug/L	1070122.967
	208	Pb	0.000234	112.159	634.679	ug/L	605.344
>	169	Tm-1			1333217.949	ug/L	1284635.718
	50	Cr	-0.143488	55.286	-73.780	ug/L	-52.685
	53	Cr	11.540306	25.581	17991.001	ug/L	14801.716
	61	Ni	5.462020	58.598	1391.760	ug/L	1243.674
	63	Cu	0.076005	15.650	134.337	ug/L	48.001
	67	Zn	15.448196	12.029	1501.164	ug/L	667.431
	66	Zn	3.958725	4.142	1234.669	ug/L	85.668
>	72	Ge			1104306.937	ug/L	1087845.346
	108	Cd	0.017992	382.244	3.778	ug/L	2.260
	114	Cd	-0.013719	24.206	63.915	ug/L	102.312
>	115	In			1089816.147	ug/L	1070122.967
	208	207.977	0.000280	482.582	326.342	ug/L	310.674
	207	Pb	0.001299	82.634	138.001	ug/L	125.668
	206	Pb	-0.000656	252.125	170.336	ug/L	169.002
>	169	Tm			1333217.949	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.595

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	101.513
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	101.840
⌈	Pb	208	
⌊>	Tm-1	169	103.782
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	101.513
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	101.840
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	103.782

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCV 1
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 14:33:31
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCV 1.011
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1176348.099	ug/L	1170407.260
[>	6	Li-1			914704.421	ug/L	963334.036
[	9	Be	99.523021	1.551	28256.263	ug/L	3.000
[	44	Ca	5090.554052	2.065	913953.686	ug/L	5547.751
|	52	Cr	96.855731	1.334	578267.666	ug/L	16882.701
|	55	Mn	98.820720	0.991	893896.790	ug/L	907.398
|	60	Ni	99.272003	1.529	136316.276	ug/L	336.586
|	65	Cu	99.831447	0.603	149373.688	ug/L	63.284
|	68	Zn	98.874055	1.044	53978.292	ug/L	229.393
|	75	As	98.918864	0.533	136291.698	ug/L	10806.316
[>	72	Ge-1			1068721.365	ug/L	1087845.346
[	111	Cd	98.726647	0.340	115809.611	ug/L	39.569
|	121	Sb	49.872175	0.688	209716.884	ug/L	216.670
|	135	Ba	100.678280	0.586	147809.690	ug/L	133.001
[>	115	In-1			1054046.482	ug/L	1070122.967
[	208	Pb	100.260384	0.614	2688805.872	ug/L	605.344
[>	169	Tm-1			1293215.024	ug/L	1284635.718
[	50	Cr	94.287017	5.650	12872.160	ug/L	-52.685
|	53	Cr	98.358505	2.137	39014.471	ug/L	14801.716
|	61	Ni	103.119673	0.523	3584.158	ug/L	1243.674
|	63	Cu	99.608298	0.628	108589.825	ug/L	48.001
|	67	Zn	102.384990	2.159	5941.094	ug/L	667.431
|	66	Zn	99.138696	0.163	27896.520	ug/L	85.668
[>	72	Ge			1068721.365	ug/L	1087845.346
[	108	Cd	99.468066	1.472	7743.625	ug/L	2.260
|	114	Cd	98.407613	0.422	279544.779	ug/L	102.312
[>	115	In			1054046.482	ug/L	1070122.967
[	208	207.977	100.258697	0.850	1370726.614	ug/L	310.674
|	207	Pb	100.509081	0.619	569813.106	ug/L	125.668
|	206	Pb	100.074893	0.913	748266.152	ug/L	169.002
[>	169	Tm			1293215.024	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	94.952

└	Be	9	
┌	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
└>	Ge-1	72	98.242
┌	Cd	111	
|	Sb	121	
|	Ba	135	
└>	In-1	115	98.498
┌	Pb	208	
└>	Tm-1	169	100.668
┌	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
└>	Ge	72	98.242
┌	Cd	108	
|	Cd	114	
└>	In	115	98.498
┌	207.977	208	
|	Pb	207	
|	Pb	206	
└>	Tm	169	100.668

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCB 1
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 14:37:15
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCB 1.012
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1205009.931	ug/L	1170407.260
>	6	Li-1			925562.121	ug/L	963334.036
	9	Be	0.005052	79.687	4.333	ug/L	3.000
	44	Ca	6.424323	9.455	6692.184	ug/L	5547.751
	52	Cr	0.424665	8.904	19322.961	ug/L	16882.701
	55	Mn	0.011617	16.790	1010.747	ug/L	907.398
	60	Ni	-0.056975	1.292	256.277	ug/L	336.586
	65	Cu	0.003323	45.742	68.105	ug/L	63.284
	68	Zn	0.200900	17.406	339.432	ug/L	229.393
	75	As	-0.194928	100.685	10518.492	ug/L	10806.316
>	72	Ge-1			1084124.928	ug/L	1087845.346
	111	Cd	-0.002381	153.607	37.163	ug/L	39.569
	121	Sb	0.125262	13.450	759.712	ug/L	216.670
	135	Ba	-0.003549	270.194	129.001	ug/L	133.001
>	115	In-1			1081885.551	ug/L	1070122.967
	208	Pb	0.006627	22.528	797.020	ug/L	605.344
>	169	Tm-1			1309423.197	ug/L	1284635.718
	50	Cr	-0.080378	201.647	-63.707	ug/L	-52.685
	53	Cr	5.607315	23.598	16166.648	ug/L	14801.716
	61	Ni	4.647701	15.925	1347.399	ug/L	1243.674
	63	Cu	0.008895	41.284	57.667	ug/L	48.001
	67	Zn	9.857365	10.345	1181.307	ug/L	667.431
	66	Zn	0.072494	34.254	106.002	ug/L	85.668
>	72	Ge			1084124.928	ug/L	1087845.346
	108	Cd	-0.025026	76.733	0.297	ug/L	2.260
	114	Cd	-0.011304	13.361	70.492	ug/L	102.312
>	115	In			1081885.551	ug/L	1070122.967
	208	207.977	0.007266	48.183	417.347	ug/L	310.674
	207	Pb	0.007594	13.397	171.669	ug/L	125.668
	206	Pb	0.004724	28.582	208.003	ug/L	169.002
>	169	Tm			1309423.197	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	96.079

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	99.658
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	101.099
⌈	Pb	208	
L>	Tm-1	169	101.930
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	99.658
⌈	Cd	108	
|	Cd	114	
L>	In	115	101.099
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	101.930

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCV 2
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 14:40:59
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCV 2.013
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1162258.515	ug/L	1170407.260
>	6	Li-1			910645.490	ug/L	963334.036
	9	Be	99.880831	1.102	28231.487	ug/L	3.000
	44	Ca	5142.381483	0.445	907691.673	ug/L	5547.751
	52	Cr	98.724911	1.425	579076.585	ug/L	16882.701
	55	Mn	99.240735	2.114	882217.869	ug/L	907.398
	60	Ni	99.316214	1.779	134026.939	ug/L	336.586
	65	Cu	99.576554	1.839	146444.666	ug/L	63.284
	68	Zn	98.520671	1.119	52869.858	ug/L	229.393
	75	As	98.335283	1.845	133231.455	ug/L	10806.316
>	72	Ge-1			1050622.369	ug/L	1087845.346
	111	Cd	99.406584	0.787	114189.073	ug/L	39.569
	121	Sb	50.558883	0.823	208194.284	ug/L	216.670
	135	Ba	101.363240	0.736	145727.713	ug/L	133.001
>	115	In-1			1032157.964	ug/L	1070122.967
	208	Pb	100.233116	0.540	2652698.558	ug/L	605.344
>	169	Tm-1			1276121.978	ug/L	1284635.718
	50	Cr	98.303552	4.162	13191.625	ug/L	-52.685
	53	Cr	96.424537	2.314	37873.637	ug/L	14801.716
	61	Ni	99.351142	2.411	3438.600	ug/L	1243.674
	63	Cu	99.941392	1.409	107092.860	ug/L	48.001
	67	Zn	99.523432	1.284	5694.126	ug/L	667.431
	66	Zn	100.570040	1.561	27815.526	ug/L	85.668
>	72	Ge			1050622.369	ug/L	1087845.346
	108	Cd	98.997207	1.629	7547.594	ug/L	2.260
	114	Cd	98.880541	0.699	275060.227	ug/L	102.312
>	115	In			1032157.964	ug/L	1070122.967
	208	207.977	100.118232	0.535	1350845.936	ug/L	310.674
	207	Pb	100.525335	0.504	562416.406	ug/L	125.668
	206	Pb	100.221624	1.017	739436.217	ug/L	169.002
>	169	Tm			1276121.978	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	94.531

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	96.578
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	96.452
⌈	Pb	208	
L>	Tm-1	169	99.337
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	96.578
⌈	Cd	108	
|	Cd	114	
L>	In	115	96.452
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	99.337

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCB 2
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 14:44:43
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCB 2.014
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1201289.726	ug/L	1170407.260
[>	6	Li-1			921455.569	ug/L	963334.036
[	9	Be	0.001618	122.742	3.333	ug/L	3.000
[	44	Ca	7.107100	16.166	6739.901	ug/L	5547.751
[	52	Cr	0.455448	7.890	19290.862	ug/L	16882.701
[	55	Mn	0.008038	49.867	967.074	ug/L	907.398
[	60	Ni	-0.044149	29.498	271.229	ug/L	336.586
[	65	Cu	0.008071	59.477	74.508	ug/L	63.284
[	68	Zn	0.255298	21.122	365.134	ug/L	229.393
[	75	As	0.038267	620.864	10700.823	ug/L	10806.316
[>	72	Ge-1			1072365.156	ug/L	1087845.346
[	111	Cd	-0.007206	109.539	30.680	ug/L	39.569
[	121	Sb	0.131646	20.584	769.714	ug/L	216.670
[	135	Ba	-0.005375	173.677	123.668	ug/L	133.001
[>	115	In-1			1059562.890	ug/L	1070122.967
[	208	Pb	0.007386	10.914	807.687	ug/L	605.344
[>	169	Tm-1			1293470.782	ug/L	1284635.718
[	50	Cr	-0.303704	13.098	-93.643	ug/L	-52.685
[	53	Cr	7.035485	27.458	16342.892	ug/L	14801.716
[	61	Ni	2.174973	119.197	1275.692	ug/L	1243.674
[	63	Cu	0.011282	73.269	59.667	ug/L	48.001
[	67	Zn	10.164222	3.999	1184.309	ug/L	667.431
[	66	Zn	0.100347	29.829	112.669	ug/L	85.668
[>	72	Ge			1072365.156	ug/L	1087845.346
[	108	Cd	-0.000812	1751.070	2.173	ug/L	2.260
[	114	Cd	-0.012586	25.637	65.423	ug/L	102.312
[>	115	In			1059562.890	ug/L	1070122.967
[	208	207.977	0.008737	13.305	432.348	ug/L	310.674
[	207	Pb	0.005785	7.832	159.335	ug/L	125.668
[	206	Pb	0.006130	17.987	216.004	ug/L	169.002
[>	169	Tm			1293470.782	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	95.653

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	98.577
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.013
	Pb	208	
>	Tm-1	169	100.688
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	98.577
	Cd	108	
	Cd	114	
>	In	115	99.013
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.688

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: MA2E2B
Sample Description: G0L080000-304 BLK
Batch ID: 342304
Sample Date/Time: Thursday, December 09, 2010 14:59:24
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\MA2E2B.018
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 100
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1133665.051	ug/L	1170407.260
[>	6	Li-1			871564.673	ug/L	963334.036
[	9	Be	-0.006268	104.038	1.000	ug/L	3.000
[	44	Ca	139.592136	1.795	29062.882	ug/L	5547.751
[	52	Cr	-0.333112	9.376	14025.441	ug/L	16882.701
[	55	Mn	0.171504	6.861	2335.429	ug/L	907.398
[	60	Ni	-0.098489	15.879	187.145	ug/L	336.586
[	65	Cu	0.407728	8.049	642.916	ug/L	63.284
[	68	Zn	1.003908	5.744	737.804	ug/L	229.393
[	75	As	-0.128238	76.569	10007.914	ug/L	10806.316
[>	72	Ge-1			1023012.857	ug/L	1087845.346
[	111	Cd	-0.012865	42.720	23.486	ug/L	39.569
[	121	Sb	-0.022080	2.880	119.001	ug/L	216.670
[	135	Ba	0.516828	0.896	876.727	ug/L	133.001
[>	115	In-1			1039293.577	ug/L	1070122.967
[	208	Pb	0.047410	5.034	1843.768	ug/L	605.344
[>	169	Tm-1			1268247.352	ug/L	1284635.718
[	50	Cr	0.475825	16.635	13.006	ug/L	-52.685
[	53	Cr	-38.075739	2.719	4848.503	ug/L	14801.716
[	61	Ni	1.745087	66.293	1207.988	ug/L	1243.674
[	63	Cu	0.386402	9.415	447.711	ug/L	48.001
[	67	Zn	-1.406990	80.306	557.402	ug/L	667.431
[	66	Zn	0.822192	1.794	301.353	ug/L	85.668
[>	72	Ge			1023012.857	ug/L	1087845.346
[	108	Cd	0.012340	179.958	3.148	ug/L	2.260
[	114	Cd	-0.003603	97.622	89.192	ug/L	102.312
[>	115	In			1039293.577	ug/L	1070122.967
[	208	207.977	0.047242	5.974	939.736	ug/L	310.674
[	207	Pb	0.052267	10.441	414.347	ug/L	125.668
[	206	Pb	0.044035	2.546	489.686	ug/L	169.002
[>	169	Tm			1268247.352	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	90.474

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
Ge-1	72	94.040	
Cd	111		
Sb	121		
Ba	135		
In-1	115	97.119	
Pb	208		
Tm-1	169	98.724	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
Ge	72	94.040	
Cd	108		
Cd	114		
In	115	97.119	
207.977	208		
Pb	207		
Pb	206		
Tm	169	98.724	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: MA2E2C
Sample Description: G0L080000-304 LCS
Batch ID: 342304
Sample Date/Time: Thursday, December 09, 2010 15:03:05
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\MA2E2C.019
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 86
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1143121.760	ug/L	1170407.260
>	6	Li-1			899780.356	ug/L	963334.036
	9	Be	176.903627	1.577	49403.037	ug/L	3.000
	44	Ca	1110.049269	1.342	197805.210	ug/L	5547.751
	52	Cr	182.313121	0.495	1043448.420	ug/L	16882.701
	55	Mn	177.703907	1.483	1560882.473	ug/L	907.398
	60	Ni	185.664522	1.504	247384.435	ug/L	336.586
	65	Cu	186.949155	1.561	271710.993	ug/L	63.284
	68	Zn	176.306472	1.581	93341.206	ug/L	229.393
	75	As	175.266212	0.469	226673.534	ug/L	10806.316
>	72	Ge-1			1038449.979	ug/L	1087845.346
	111	Cd	179.509541	0.700	207421.998	ug/L	39.569
	121	Sb	180.610656	0.752	747665.578	ug/L	216.670
	135	Ba	187.088657	1.517	270467.815	ug/L	133.001
>	115	In-1			1038428.572	ug/L	1070122.967
	208	Pb	187.154831	1.146	4980975.286	ug/L	605.344
>	169	Tm-1			1283552.188	ug/L	1284635.718
	50	Cr	164.004624	2.338	21781.382	ug/L	-52.685
	53	Cr	142.051417	1.203	48473.627	ug/L	14801.716
	61	Ni	185.554345	2.347	5316.879	ug/L	1243.674
	63	Cu	187.069766	1.084	198099.724	ug/L	48.001
	67	Zn	161.104725	0.987	8716.015	ug/L	667.431
	66	Zn	179.423937	1.509	48985.618	ug/L	85.668
>	72	Ge			1038449.979	ug/L	1087845.346
	108	Cd	174.943931	0.769	13417.944	ug/L	2.260
	114	Cd	178.135787	1.136	498414.939	ug/L	102.312
>	115	In			1038428.572	ug/L	1070122.967
	208	207.977	192.192584	1.430	2607671.758	ug/L	310.674
	207	Pb	202.607514	1.201	1139873.991	ug/L	125.668
	206	Pb	166.225471	0.644	1233429.538	ug/L	169.002
>	169	Tm			1283552.188	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	93.403

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
Ge-1	72	95.459	
Cd	111		
Sb	121		
Ba	135		
In-1	115	97.038	
Pb	208		
Tm-1	169	99.916	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
Ge	72	95.459	
Cd	108		
Cd	114		
In	115	97.038	
207.977	208		
Pb	207		
Pb	206		
Tm	169	99.916	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: MA2ENL
Sample Description: G0L080000-298 LCSD
Batch ID: 342298
Sample Date/Time: Thursday, December 09, 2010 15:06:43
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\MA2ENL.020
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 87
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1136794.403	ug/L	1170407.260
>	6	Li-1			888014.790	ug/L	963334.036
	9	Be	177.423231	0.923	48903.863	ug/L	3.000
	44	Ca	1104.501915	1.192	193246.896	ug/L	5547.751
	52	Cr	183.229866	1.127	1029368.136	ug/L	16882.701
	55	Mn	179.476460	1.010	1547641.546	ug/L	907.398
	60	Ni	187.743946	0.636	245573.067	ug/L	336.586
	65	Cu	190.209983	0.529	271399.966	ug/L	63.284
	68	Zn	179.311635	1.219	93193.479	ug/L	229.393
	75	As	178.469040	0.857	226390.287	ug/L	10806.316
>	72	Ge-1			1019371.138	ug/L	1087845.346
	111	Cd	176.478278	1.559	206599.195	ug/L	39.569
	121	Sb	177.537485	1.854	744618.368	ug/L	216.670
	135	Ba	181.924989	1.685	266490.551	ug/L	133.001
>	115	In-1			1052272.744	ug/L	1070122.967
	208	Pb	186.643752	1.184	4903731.878	ug/L	605.344
>	169	Tm-1			1267078.343	ug/L	1284635.718
	50	Cr	163.102918	1.755	21266.453	ug/L	-52.685
	53	Cr	142.586705	0.301	47706.849	ug/L	14801.716
	61	Ni	181.138841	3.728	5122.769	ug/L	1243.674
	63	Cu	188.502386	0.911	195961.857	ug/L	48.001
	67	Zn	165.243284	1.851	8760.523	ug/L	667.431
	66	Zn	179.746682	1.094	48176.609	ug/L	85.668
>	72	Ge			1019371.138	ug/L	1087845.346
	108	Cd	173.610211	2.309	13488.727	ug/L	2.260
	114	Cd	175.876559	0.998	498654.876	ug/L	102.312
>	115	In			1052272.744	ug/L	1070122.967
	208	207.977	191.871824	1.686	2569927.677	ug/L	310.674
	207	Pb	202.102754	0.828	1122492.993	ug/L	125.668
	206	Pb	165.361575	0.641	1211311.208	ug/L	169.002
>	169	Tm			1267078.343	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	92.181

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	93.706
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	98.332
⌈	Pb	208	
L>	Tm-1	169	98.633
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	93.706
⌈	Cd	108	
|	Cd	114	
L>	In	115	98.332
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	98.633

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 15:24:56
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCV 3.025
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1100330.356	ug/L	1170407.260
>	6	Li-1			906557.559	ug/L	963334.036
	9	Be	100.211801	0.632	28200.018	ug/L	3.000
	44	Ca	5259.769986	1.398	868306.109	ug/L	5547.751
	52	Cr	99.034307	1.967	543344.141	ug/L	16882.701
	55	Mn	99.130918	1.054	824471.094	ug/L	907.398
	60	Ni	99.217236	1.376	125254.963	ug/L	336.586
	65	Cu	99.935789	1.009	137498.222	ug/L	63.284
	68	Zn	99.465500	0.760	49931.756	ug/L	229.393
	75	As	97.580478	1.408	123756.328	ug/L	10806.316
>	72	Ge-1			982783.788	ug/L	1087845.346
	111	Cd	99.391252	0.357	110148.579	ug/L	39.569
	121	Sb	49.804030	0.805	197864.046	ug/L	216.670
	135	Ba	97.042248	0.189	134608.788	ug/L	133.001
>	115	In-1			995787.769	ug/L	1070122.967
	208	Pb	99.603250	0.511	2453534.592	ug/L	605.344
>	169	Tm-1			1187813.044	ug/L	1284635.718
	50	Cr	96.838436	3.231	12154.945	ug/L	-52.685
	53	Cr	96.129971	3.385	35361.333	ug/L	14801.716
	61	Ni	95.552137	2.398	3136.162	ug/L	1243.674
	63	Cu	99.700201	0.170	99947.862	ug/L	48.001
	67	Zn	101.201729	1.164	5406.089	ug/L	667.431
	66	Zn	100.623263	1.427	26034.608	ug/L	85.668
>	72	Ge			982783.788	ug/L	1087845.346
	108	Cd	97.124298	2.137	7144.528	ug/L	2.260
	114	Cd	98.028148	0.579	263089.573	ug/L	102.312
>	115	In			995787.769	ug/L	1070122.967
	208	207.977	99.619863	0.153	1251091.751	ug/L	310.674
	207	Pb	100.015905	0.842	520801.605	ug/L	125.668
	206	Pb	99.259974	1.126	681641.236	ug/L	169.002
>	169	Tm			1187813.044	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	94.106

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	90.342
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	93.054
⌈	Pb	208	
L>	Tm-1	169	92.463
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	90.342
⌈	Cd	108	
|	Cd	114	
L>	In	115	93.054
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	92.463

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCB 3
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 15:28:40
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCB 3.026
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1131189.047	ug/L	1170407.260
>	6	Li-1			921910.020	ug/L	963334.036
	9	Be	0.000451	19.671	3.000	ug/L	3.000
	44	Ca	12.059682	2.816	7115.643	ug/L	5547.751
	52	Cr	0.686604	3.955	19250.074	ug/L	16882.701
	55	Mn	0.025008	19.242	1045.753	ug/L	907.398
	60	Ni	-0.048498	21.579	247.345	ug/L	336.586
	65	Cu	0.019070	41.395	84.885	ug/L	63.284
	68	Zn	0.250288	7.213	338.288	ug/L	229.393
	75	As	-0.458537	37.333	9390.827	ug/L	10806.316
>	72	Ge-1			1000238.953	ug/L	1087845.346
	111	Cd	-0.014360	46.861	21.182	ug/L	39.569
	121	Sb	0.212078	23.670	1057.757	ug/L	216.670
	135	Ba	-0.005277	23.310	118.001	ug/L	133.001
>	115	In-1			1009039.920	ug/L	1070122.967
	208	Pb	0.011692	12.590	853.688	ug/L	605.344
>	169	Tm-1			1196005.998	ug/L	1284635.718
	50	Cr	-0.086680	194.592	-59.566	ug/L	-52.685
	53	Cr	-0.984012	122.804	13381.294	ug/L	14801.716
	61	Ni	-1.425381	32.630	1112.939	ug/L	1243.674
	63	Cu	0.020448	24.340	65.001	ug/L	48.001
	67	Zn	5.604400	14.404	884.506	ug/L	667.431
	66	Zn	0.073235	26.870	98.002	ug/L	85.668
>	72	Ge			1000238.953	ug/L	1087845.346
	108	Cd	0.058683	87.397	6.507	ug/L	2.260
	114	Cd	-0.004389	27.201	84.547	ug/L	102.312
>	115	In			1009039.920	ug/L	1070122.967
	208	207.977	0.010784	18.130	425.681	ug/L	310.674
	207	Pb	0.014500	3.457	193.003	ug/L	125.668
	206	Pb	0.011225	14.284	235.004	ug/L	169.002
>	169	Tm			1196005.998	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.700

└	Be	9	
┌	Ca	44	
│	Cr	52	
│	Mn	55	
│	Ni	60	
│	Cu	65	
│	Zn	68	
│	As	75	
└>	Ge-1	72	91.947
┌	Cd	111	
│	Sb	121	
│	Ba	135	
└>	In-1	115	94.292
┌	Pb	208	
└>	Tm-1	169	93.101
┌	Cr	50	
│	Cr	53	
│	Ni	61	
│	Cu	63	
│	Zn	67	
│	Zn	66	
└>	Ge	72	91.947
┌	Cd	108	
│	Cd	114	
└>	In	115	94.292
┌	207.977	208	
│	Pb	207	
│	Pb	206	
└>	Tm	169	93.101

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 15:32:24
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCV 4.027
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1124647.601	ug/L	1170407.260
>	6	Li-1			929185.864	ug/L	963334.036
	9	Be	98.656546	0.372	28455.816	ug/L	3.000
	44	Ca	5279.384037	0.867	884283.183	ug/L	5547.751
	52	Cr	99.366197	0.410	553108.620	ug/L	16882.701
	55	Mn	99.514877	0.607	839748.672	ug/L	907.398
	60	Ni	98.476865	0.576	126140.617	ug/L	336.586
	65	Cu	100.003956	0.740	139598.506	ug/L	63.284
	68	Zn	100.496959	1.001	51183.399	ug/L	229.393
	75	As	97.734440	0.609	125749.464	ug/L	10806.316
>	72	Ge-1			997065.958	ug/L	1087845.346
	111	Cd	98.173944	1.056	109403.860	ug/L	39.569
	121	Sb	50.203690	0.955	200561.505	ug/L	216.670
	135	Ba	98.306475	0.346	137126.445	ug/L	133.001
>	115	In-1			1001369.647	ug/L	1070122.967
	208	Pb	100.726753	1.241	2530725.320	ug/L	605.344
>	169	Tm-1			1211588.102	ug/L	1284635.718
	50	Cr	97.806950	2.321	12454.646	ug/L	-52.685
	53	Cr	96.502878	3.019	35967.455	ug/L	14801.716
	61	Ni	98.314612	2.256	3240.976	ug/L	1243.674
	63	Cu	99.596521	1.313	101297.577	ug/L	48.001
	67	Zn	100.685368	0.783	5459.884	ug/L	667.431
	66	Zn	100.791892	0.291	26459.130	ug/L	85.668
>	72	Ge			997065.958	ug/L	1087845.346
	108	Cd	97.981752	0.474	7247.494	ug/L	2.260
	114	Cd	97.689966	0.771	263640.790	ug/L	102.312
>	115	In			1001369.647	ug/L	1070122.967
	208	207.977	100.908530	1.351	1292505.309	ug/L	310.674
	207	Pb	101.024518	0.789	536579.119	ug/L	125.668
	206	Pb	100.168565	1.506	701640.892	ug/L	169.002
>	169	Tm			1211588.102	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	96.455

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	91.655
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	93.575
⌈	Pb	208	
L>	Tm-1	169	94.314
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	91.655
⌈	Cd	108	
|	Cd	114	
L>	In	115	93.575
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	94.314

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 15:36:08
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCB 4.028
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1147918.197	ug/L	1170407.260
>	6	Li-1			928553.240	ug/L	963334.036
	9	Be	0.004977	159.118	4.333	ug/L	3.000
	44	Ca	10.712215	6.307	7010.193	ug/L	5547.751
	52	Cr	0.554308	2.430	18853.889	ug/L	16882.701
	55	Mn	0.024208	10.541	1057.088	ug/L	907.398
	60	Ni	-0.034672	37.637	269.666	ug/L	336.586
	65	Cu	0.013020	30.654	77.737	ug/L	63.284
	68	Zn	0.260889	24.437	349.682	ug/L	229.393
	75	As	-0.509931	19.526	9491.668	ug/L	10806.316
>	72	Ge-1			1017619.957	ug/L	1087845.346
	111	Cd	-0.009439	2.781	26.919	ug/L	39.569
	121	Sb	0.211469	27.602	1063.092	ug/L	216.670
	135	Ba	0.001122	534.751	128.001	ug/L	133.001
>	115	In-1			1016742.116	ug/L	1070122.967
	208	Pb	0.010433	19.518	835.688	ug/L	605.344
>	169	Tm-1			1215141.332	ug/L	1284635.718
	50	Cr	-0.111687	114.116	-63.881	ug/L	-52.685
	53	Cr	-1.314265	47.904	13534.853	ug/L	14801.716
	61	Ni	-0.542652	413.099	1151.625	ug/L	1243.674
	63	Cu	0.013264	17.422	58.667	ug/L	48.001
	67	Zn	6.262864	13.520	932.191	ug/L	667.431
	66	Zn	0.059413	28.852	96.002	ug/L	85.668
>	72	Ge			1017619.957	ug/L	1087845.346
	108	Cd	0.053624	31.339	6.173	ug/L	2.260
	114	Cd	0.033362	212.388	187.666	ug/L	102.312
>	115	In			1016742.116	ug/L	1070122.967
	208	207.977	0.010567	18.061	429.681	ug/L	310.674
	207	Pb	0.011399	32.025	179.669	ug/L	125.668
	206	Pb	0.009456	23.039	226.337	ug/L	169.002
>	169	Tm			1215141.332	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	96.390

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	93.545
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.012
	Pb	208	
>	Tm-1	169	94.590
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	93.545
	Cd	108	
	Cd	114	
>	In	115	95.012
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	94.590

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: MAWEP
Sample Description: G0L040465-1
Batch ID: 342298
Sample Date/Time: Thursday, December 09, 2010 15:54:20
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\MAWEP.033
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 19
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1135759.979	ug/L	1170407.260
>	6	Li-1			875290.447	ug/L	963334.036
	9	Be	0.016930	62.239	7.333	ug/L	3.000
	44	Ca	4865.163965	0.762	846375.965	ug/L	5547.751
	52	Cr	3.462681	1.046	35512.145	ug/L	16882.701
	55	Mn	1135.847750	0.333	9940922.011	ug/L	907.398
	60	Ni	2.730814	1.350	3942.682	ug/L	336.586
	65	Cu	154.724054	0.968	224179.441	ug/L	63.284
	68	Zn	46.585146	0.656	24747.041	ug/L	229.393
	75	As	0.517485	24.049	10918.765	ug/L	10806.316
>	72	Ge-1			1035059.431	ug/L	1087845.346
	111	Cd	0.574632	2.032	704.266	ug/L	39.569
	121	Sb	3.129411	1.086	13199.342	ug/L	216.670
	135	Ba	64.072009	0.643	92987.131	ug/L	133.001
>	115	In-1			1041392.021	ug/L	1070122.967
	208	Pb	5.212368	2.072	137942.681	ug/L	605.344
>	169	Tm-1			1271139.491	ug/L	1284635.718
	50	Cr	8.352661	1.990	1058.315	ug/L	-52.685
	53	Cr	-31.407596	5.122	6515.682	ug/L	14801.716
	61	Ni	15.622518	9.359	1529.848	ug/L	1243.674
	63	Cu	153.916635	0.635	162485.188	ug/L	48.001
	67	Zn	40.264527	3.354	2647.876	ug/L	667.431
	66	Zn	47.043072	0.267	12863.300	ug/L	85.668
>	72	Ge			1035059.431	ug/L	1087845.346
	108	Cd	2.266204	8.479	176.560	ug/L	2.260
	114	Cd	0.464093	2.857	1401.786	ug/L	102.312
>	115	In			1041392.021	ug/L	1070122.967
	208	207.977	5.352440	2.515	72205.010	ug/L	310.674
	207	Pb	5.423288	1.944	30333.457	ug/L	125.668
	206	Pb	4.796295	1.313	35404.214	ug/L	169.002
>	169	Tm			1271139.491	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	90.861

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	95.148
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	97.315
⌈	Pb	208	
⌊>	Tm-1	169	98.949
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	95.148
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	97.315
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	98.949

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: MAWEPP5
Sample Description: G0L040465-1 5X
Batch ID: 342298
Sample Date/Time: Thursday, December 09, 2010 15:57:59
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\MAWEPP5.034
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 20
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1139361.288	ug/L	1170407.260
>	6	Li-1			900768.325	ug/L	963334.036
	9	Be	0.004238	78.814	4.000	ug/L	3.000
	44	Ca	1008.010610	1.636	178297.619	ug/L	5547.751
	52	Cr	0.885162	6.676	20889.564	ug/L	16882.701
	55	Mn	228.604509	2.642	1987362.689	ug/L	907.398
	60	Ni	0.835166	3.691	1418.018	ug/L	336.586
	65	Cu	31.255453	0.910	45022.820	ug/L	63.284
	68	Zn	9.939255	0.507	5414.443	ug/L	229.393
	75	As	-0.205799	153.038	9957.739	ug/L	10806.316
>	72	Ge-1			1028044.826	ug/L	1087845.346
	111	Cd	0.088567	24.248	139.035	ug/L	39.569
	121	Sb	0.637701	0.873	2812.955	ug/L	216.670
	135	Ba	12.623008	0.202	18135.138	ug/L	133.001
>	115	In-1			1025069.733	ug/L	1070122.967
	208	Pb	1.038079	0.836	26992.504	ug/L	605.344
>	169	Tm-1			1227311.632	ug/L	1284635.718
	50	Cr	1.463831	18.777	143.445	ug/L	-52.685
	53	Cr	2.802126	10.143	14658.796	ug/L	14801.716
	61	Ni	9.135798	10.797	1376.417	ug/L	1243.674
	63	Cu	31.323867	1.329	32875.062	ug/L	48.001
	67	Zn	12.226734	7.849	1238.004	ug/L	667.431
	66	Zn	10.057827	3.887	2794.384	ug/L	85.668
>	72	Ge			1028044.826	ug/L	1087845.346
	108	Cd	0.402172	37.413	32.571	ug/L	2.260
	114	Cd	0.074621	19.410	304.190	ug/L	102.312
>	115	In			1025069.733	ug/L	1070122.967
	208	207.977	1.064294	0.676	14103.613	ug/L	310.674
	207	Pb	1.090958	2.142	5988.484	ug/L	125.668
	206	Pb	0.950047	2.062	6900.406	ug/L	169.002
>	169	Tm			1227311.632	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	93.505

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	94.503
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	95.790
⌈	Pb	208	
L>	Tm-1	169	95.538
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	94.503
⌈	Cd	108	
|	Cd	114	
L>	In	115	95.790
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	95.538

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: MAWEPZ
Sample Description: G0L040465-1 PS
Batch ID: 342298
Sample Date/Time: Thursday, December 09, 2010 16:01:39
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\MAWEPZ.035
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 21
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1097042.586	ug/L	1170407.260
>	6	Li-1			870428.563	ug/L	963334.036
	9	Be	186.260111	2.186	50311.100	ug/L	3.000
	44	Ca	5872.918805	1.414	980529.598	ug/L	5547.751
	52	Cr	193.539452	1.738	1059787.758	ug/L	16882.701
	55	Mn	1310.098022	1.430	11015386.938	ug/L	907.398
	60	Ni	196.741458	0.854	251042.168	ug/L	336.586
	65	Cu	348.341286	0.860	484836.887	ug/L	63.284
	68	Zn	232.247732	0.887	117697.369	ug/L	229.393
	75	As	184.708892	1.581	228253.868	ug/L	10806.316
>	72	Ge-1			994532.297	ug/L	1087845.346
	111	Cd	189.301611	2.225	213360.526	ug/L	39.569
	121	Sb	189.591367	0.475	765609.652	ug/L	216.670
	135	Ba	252.005999	0.498	355371.619	ug/L	133.001
>	115	In-1			1012914.055	ug/L	1070122.967
	208	Pb	199.153389	1.090	5091099.745	ug/L	605.344
>	169	Tm-1			1232864.142	ug/L	1284635.718
	50	Cr	176.631549	2.894	22473.690	ug/L	-52.685
	53	Cr	156.801958	4.166	49826.818	ug/L	14801.716
	61	Ni	200.011539	1.293	5400.409	ug/L	1243.674
	63	Cu	341.375222	1.076	346176.542	ug/L	48.001
	67	Zn	218.155596	0.564	11087.985	ug/L	667.431
	66	Zn	236.985946	0.331	61945.926	ug/L	85.668
>	72	Ge			994532.297	ug/L	1087845.346
	108	Cd	187.449975	2.602	14023.174	ug/L	2.260
	114	Cd	186.979289	0.576	510353.559	ug/L	102.312
>	115	In			1012914.055	ug/L	1070122.967
	208	207.977	203.555178	0.740	2652919.912	ug/L	310.674
	207	Pb	216.569833	1.583	1170313.417	ug/L	125.668
	206	Pb	177.897958	1.372	1267866.416	ug/L	169.002
>	169	Tm			1232864.142	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	90.356

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	91.422
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	94.654
	Pb	208	
>	Tm-1	169	95.970
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	91.422
	Cd	108	
	Cd	114	
>	In	115	94.654
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	95.970

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: MAWEQ
Sample Description: G0L040465-2
Batch ID: 342298
Sample Date/Time: Thursday, December 09, 2010 16:05:18
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\MAWEQ.036
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 22
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1113802.878	ug/L	1170407.260
>	6	Li-1			875887.473	ug/L	963334.036
	9	Be	0.024288	22.738	9.333	ug/L	3.000
	44	Ca	5524.868594	2.413	945152.295	ug/L	5547.751
	52	Cr	4.579902	2.851	41124.798	ug/L	16882.701
	55	Mn	1245.990805	1.361	10732035.077	ug/L	907.398
	60	Ni	2.806500	1.404	3979.481	ug/L	336.586
	65	Cu	207.335346	0.944	295636.472	ug/L	63.284
	68	Zn	40.916515	0.893	21419.301	ug/L	229.393
	75	As	0.297662	92.629	10481.251	ug/L	10806.316
>	72	Ge-1			1018728.750	ug/L	1087845.346
	111	Cd	0.603662	3.474	731.217	ug/L	39.569
	121	Sb	2.624279	1.679	11002.504	ug/L	216.670
	135	Ba	59.375182	1.392	85407.074	ug/L	133.001
>	115	In-1			1032022.500	ug/L	1070122.967
	208	Pb	5.909181	0.648	150960.592	ug/L	605.344
>	169	Tm-1			1227400.386	ug/L	1284635.718
	50	Cr	14.620069	3.595	1860.632	ug/L	-52.685
	53	Cr	-29.580920	6.753	6844.990	ug/L	14801.716
	61	Ni	11.122686	18.916	1407.436	ug/L	1243.674
	63	Cu	205.170813	0.766	213148.756	ug/L	48.001
	67	Zn	34.574048	1.687	2325.856	ug/L	667.431
	66	Zn	41.801962	0.167	11258.820	ug/L	85.668
>	72	Ge			1018728.750	ug/L	1087845.346
	108	Cd	4.498296	6.710	345.036	ug/L	2.260
	114	Cd	0.375911	2.049	1143.974	ug/L	102.312
>	115	In			1032022.500	ug/L	1070122.967
	208	207.977	6.062588	0.701	78954.122	ug/L	310.674
	207	Pb	6.124030	1.212	33065.689	ug/L	125.668
	206	Pb	5.465743	0.182	38940.781	ug/L	169.002
>	169	Tm			1227400.386	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	90.923

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	93.646
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	96.440
⌈	Pb	208	
L>	Tm-1	169	95.545
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	93.646
⌈	Cd	108	
|	Cd	114	
L>	In	115	96.440
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	95.545

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCV 5
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 16:09:03
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCV 5.037
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1124757.000	ug/L	1170407.260
[>	6	Li-1			896642.612	ug/L	963334.036
[	9	Be	99.418405	0.376	27672.397	ug/L	3.000
[	44	Ca	5179.921543	0.666	874020.672	ug/L	5547.751
[	52	Cr	96.929218	0.265	543799.681	ug/L	16882.701
[	55	Mn	98.199063	0.694	834568.553	ug/L	907.398
[	60	Ni	98.827849	0.640	127498.667	ug/L	336.586
[	65	Cu	98.448532	0.541	138419.299	ug/L	63.284
[	68	Zn	99.476192	0.686	51030.312	ug/L	229.393
[	75	As	97.110040	0.676	125902.936	ug/L	10806.316
[>	72	Ge-1			1004252.870	ug/L	1087845.346
[	111	Cd	98.333158	0.899	109195.053	ug/L	39.569
[	121	Sb	50.272758	1.636	200103.560	ug/L	216.670
[	135	Ba	98.598882	2.087	137015.041	ug/L	133.001
[>	115	In-1			997931.806	ug/L	1070122.967
[	208	Pb	100.340899	0.752	2523774.457	ug/L	605.344
[>	169	Tm-1			1212858.666	ug/L	1284635.718
[	50	Cr	95.531593	1.536	12252.686	ug/L	-52.685
[	53	Cr	95.684576	1.831	36037.929	ug/L	14801.716
[	61	Ni	102.148260	4.124	3347.800	ug/L	1243.674
[	63	Cu	98.789365	0.074	101198.956	ug/L	48.001
[	67	Zn	98.813147	2.002	5408.095	ug/L	667.431
[	66	Zn	99.710076	1.309	26366.795	ug/L	85.668
[>	72	Ge			1004252.870	ug/L	1087845.346
[	108	Cd	98.138479	1.418	7232.940	ug/L	2.260
[	114	Cd	98.221142	0.236	264179.216	ug/L	102.312
[>	115	In			997931.806	ug/L	1070122.967
[	208	207.977	100.062753	0.563	1283095.539	ug/L	310.674
[	207	Pb	100.519426	0.808	534463.649	ug/L	125.668
[	206	Pb	100.714161	1.184	706215.269	ug/L	169.002
[>	169	Tm			1212858.666	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	93.077

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	92.316
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	93.254
⌈	Pb	208	
L>	Tm-1	169	94.413
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	92.316
⌈	Cd	108	
|	Cd	114	
L>	In	115	93.254
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	94.413

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCB 5
Sample Description:
Batch ID:
Sample Date/Time: Thursday, December 09, 2010 16:12:47
Method File: E:\elandata\Method\0337239X.mth
Dataset File: E:\elandata\Dataset\101209c\CCB 5.038
Tuning File: e:\elandata\Tuning\default.tun
Optimization File: E:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1157372.686	ug/L	1170407.260
>	6	Li-1			908459.182	ug/L	963334.036
	9	Be	0.000606	583.835	3.000	ug/L	3.000
	44	Ca	8.039927	8.914	6650.809	ug/L	5547.751
	52	Cr	0.660547	4.822	19718.840	ug/L	16882.701
	55	Mn	0.015764	15.421	998.412	ug/L	907.398
	60	Ni	-0.046426	26.174	257.839	ug/L	336.586
	65	Cu	0.013494	68.910	79.645	ug/L	63.284
	68	Zn	0.275442	14.602	362.156	ug/L	229.393
	75	As	-0.222128	83.982	9980.415	ug/L	10806.316
>	72	Ge-1			1032212.872	ug/L	1087845.346
	111	Cd	-0.011986	17.790	24.274	ug/L	39.569
	121	Sb	0.136525	15.519	766.380	ug/L	216.670
	135	Ba	-0.002130	788.621	124.668	ug/L	133.001
>	115	In-1			1026038.131	ug/L	1070122.967
	208	Pb	0.009026	15.318	816.686	ug/L	605.344
>	169	Tm-1			1240647.190	ug/L	1284635.718
	50	Cr	-0.336626	38.556	-94.661	ug/L	-52.685
	53	Cr	10.523910	11.319	16571.532	ug/L	14801.716
	61	Ni	2.957567	149.111	1246.010	ug/L	1243.674
	63	Cu	0.015902	40.512	62.334	ug/L	48.001
	67	Zn	8.026969	5.180	1033.568	ug/L	667.431
	66	Zn	0.080195	25.534	103.002	ug/L	85.668
>	72	Ge			1032212.872	ug/L	1087845.346
	108	Cd	0.044932	73.156	5.568	ug/L	2.260
	114	Cd	-0.013216	27.511	61.499	ug/L	102.312
>	115	In			1026038.131	ug/L	1070122.967
	208	207.977	0.007731	22.988	401.346	ug/L	310.674
	207	Pb	0.013602	7.228	195.336	ug/L	125.668
	206	Pb	0.007925	29.063	220.004	ug/L	169.002
>	169	Tm			1240647.190	ug/L	1284635.718

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	94.304

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	94.886
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.880
	Pb	208	
>	Tm-1	169	96.576
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	94.886
	Cd	108	
	Cd	114	
>	In	115	95.880
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.576

Sample Preparation Log

TestAmerica - West Sacramento
Metals - Air Toxics - Preparation Log

Date: 8-Dec-10 **Analyst:** JZ **Matrix:** AIR

Fraction: Filter **SOP: WS-IP-0010** **Method:** ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G0L080000	298	MA2ENB	2A	NA	NA	NA	100 mL	342298	1.2
G0L080000	298	MA2ENC	2A	NA	NA	NA	100 mL	342298	1.2
G0L080000	298	MA2ENL	2A	NA	NA	NA	100 mL	342298	1.2
G0L040465	1	MAWEP	2A	9 inches	0.75 inches	0.75 inches	100 mL	342298	1.2
G0L040465	2	MAWEQ	2A	9 inches	0.75 inches	0.75 inches	100 mL	342298	1.2

QCs shared with batch 0342304 (MB, LCS, LCSD)

For the cassette filter digest the whole filter is used.
For 1" filter: factor = 9 (9/1).
For 0.75" filter factor = 12 (9/0.75).

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Metals Spiking Documentation Form

Lot #(s): G0L040465 G0L080442

Batch Number: 0342304 0342298

EPA Analytical Method ID: 6020

Spiked Date: 12/8/10

MS Sample(s): NA

EPA Prep Method ID: WS-IP-0010

Hot Plate Microwave ID: Met II

Analyst Initial/Date: JZ 12/08/10

Witness Initial/Date: 12/08/10 NH

Hot Plate Temp: Initial: 93°C Final: 93°C

Correct Folder ID Witness: NA

Digestion Cup Lot #: 1008257

Filter Paper Lot #: 390428

Thermometer ID: BT09

Fin Vol Cup Lot: 100811

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/LCSD Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg	5,000				
		Al, As, Ba, Se, Sn, Tl	200				
		~~Fe,Mo,Ti~~	100				
		Sb,Co,Pb,Mn,Ni,V,Zn	50				
		Cu	25				
		Cr	20				
		,Be,Cd	5				
		Ag	5.0				
	ICP Part 2 2% HNO_3	K,Na	5,000				
		P,S	1,000				
		B,Li,Sr	100				
	Si H20/Tr HF	Si	1,000				JZ 12/8/10
	TACA-1 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B	500				
		As,Be,Cd,Cr,Co,Cu,Pb, Mn,Ni,Se,U,V,Zn,Ba,Li Sr	100	3184-4-5	200ul	NA	8/31/11
		Ag,Tl	25				
	TACA-2 5% HNO_3	Mo, Sb, Sn, Ti	100	3184-4-6	200ul	NA	8/31/11
	Misc. Elements						JZ 12/8/10

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt			30% H_2O_2	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	
	3M HNO_3	In-House	4028-32-1		1:1 HCl	In-House	JZ 12/8/10

ICP matrix spike and LCS: For final volumes of 100ml, add 1mL from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.
ICPMS matrix spike and LCS: For final volumes of 100ml, add 0.2 mL each of TACA-1 and TACA-2.
Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0342304 0342298 Test: 6020

Prep Date: 12/8/10 Holding Times: 6/1/11 6/2/11 6/6/11 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	NA
2. Balance upload or raw data for weights is included	NA	NA
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	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	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	NA
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: NM Date: 12/08/10

2nd Level Reviewer: SM Date: 12/9/10

Comments:

Serial Dilution

TAL West Sac

SERIAL DILUTION

Method: 6020 (SOP: SAC-MT-001) | M02 | Reported: 12/10/10 07:34:21

Department: 120 (Metals) | Source: MetEdit

Sample: **MAWEPP5** | Serial Dilution: **5.00** | Sample Dilution: **1.00**

Instrument: **ICPMS M02** | Channel 262
File: 101209C2 # 34 | Method 6020_
Acquired: 12/09/2010 15:57:59 | M02 | Matrix: AIR
Calibrated: 12/09/2010 13:37:54 | Units: ug/L

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7440-41-7	Beryllium	9	4	0.02119	0.01693	25.2		*	
7440-47-3	Chromium	52	20890	4.4258	3.4627	27.8		*	
7439-96-5	Manganese	55	1987363	1143.0	1135.8	0.632	0.14	0.6	☑
7440-02-0	Nickel	60	1418	4.1758	2.7308	52.9		*	
7440-50-8	Copper	65	45023	156.28	154.72	1.00		*	
7440-66-6	Zinc	68	5414	49.696	46.585	6.68		*	
7440-38-2	Arsenic	75	9956	-1.0290	0.51748	299	0.41	NC	☑
7440-43-9	Cadmium	111	139	0.44284	0.57463	22.9		*	
7440-36-0	Antimony	121	2813	3.1885	3.1294	1.89		*	
7440-39-3	Barium	135	18135	63.115	64.072	1.49		*	
7439-92-1	Lead	208	26993	5.1904	5.2124	0.422		*	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	900768		☑
7440-56-4	Germanium	72	1028045		☐
7440-74-6	Indium	115	1025070		☐
7440-30-4	Thulium	169	1227312		☐

** Analyte not requested for this batch, no MDL*

NC : Serial dilution concentration < 100 X MDL

E : Difference greater than Limit (10%)

Reviewed by: Date:

Post Digestion Spike

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:34:31

Department: 120 (Metals) Source: MetEdit

Sample: **MAWEPZ** Spike Dilution: **1.00** Sample Dilution: **1.00**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 35 Method 6020_
Acquired: 12/09/2010 16:01:39 M02 Matrix: AIR
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7440-41-7	***Beryllium***	***9***	***50311***	***186.26***	***0.01693***	***93.1***	***200***		☑
7440-47-3	***Chromium***	***52***	***1059788***	***193.54***	***3.4627***	***95.0***	***200***		☑
7439-96-5	***Manganese***	***55***	***11015387***	***1310.1***	***1135.8***	***87.1***	***200***	*	☑
7440-02-0	***Nickel***	***60***	***251042***	***196.74***	***2.7308***	***97.0***	***200***		☑
7440-50-8	***Copper***	***65***	***484837***	***348.34***	***154.72***	***96.8***	***200***		☑
7440-66-6	***Zinc***	***68***	***117697***	***232.25***	***46.585***	***92.8***	***200***		☑
7440-38-2	***Arsenic***	***75***	***228254***	***184.71***	***0.51748***	***92.1***	***200***		☑
7440-43-9	***Cadmium***	***111***	***213361***	***189.30***	***0.57463***	***94.4***	***200***		☑
7440-36-0	***Antimony***	***121***	***765610***	***189.59***	***3.1294***	***93.2***	***200***		☑
7440-39-3	***Barium***	***135***	***355372***	***252.01***	***64.072***	***94.0***	***200***		☑
7439-92-1	***Lead***	***208***	***5091100***	***199.15***	***5.2124***	***97.0***	***200***		☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***870429***		☑
7440-56-4	***Germanium***	***72***	***994532***		☑
7440-74-6	***Indium***	***115***	***1012914***		☑
7440-30-4	***Thulium***	***169***	***1232864***		☑

Reviewed by: Date:

Calibration Verification Summary

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M02 Reported: 12/10/10 07:33:34

File ID: 101209C2 **Analyst: hargraves**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Rinse 2X				2.0	12/09/10 13:33		☐
2	Blank				1.0	12/09/10 13:37		☐
3	Standard1				1.0	12/09/10 13:41		☐
4	ICV				1.0	12/09/10 13:45		☐
5	ICB				1.0	12/09/10 13:49		☐
6	LLSTD1				1.0	12/09/10 13:52		☐
7	LLSTD2				1.0	12/09/10 13:56		☐
8	ICSA				1.0	12/09/10 14:00		☐
9	ICSAB				1.0	12/09/10 14:04		☐
10	Rinse				1.0	12/09/10 14:26		☐
11	CCV 1				1.0	12/09/10 14:33		☐
12	CCB 1				1.0	12/09/10 14:37		☐
13	CCV 2				1.0	12/09/10 14:40		☐
14	CCB 2				1.0	12/09/10 14:44		☐
15	MATVCB	G0L030000	0337239	EC	1.0	12/09/10 14:48		☐
16	MATVCC	G0L030000	0337239	EC	1.0	12/09/10 14:52		☐
17	MATVCL	G0L030000	0337239	EC	1.0	12/09/10 14:55		☐
18	MA2E2B	G0L080000	0342304	2A	1.0	12/09/10 14:59		☐
19	MA2E2C	G0L080000	0342304	2A	1.0	12/09/10 15:03		☐
20	MA2ENL	G0L080000	0342298	2A	1.0	12/09/10 15:06		☐
21	MA1VW	G0L080442-1	0342304	2A	1.0	12/09/10 15:10		☐
22	MA1VWP5	G0L080442	0342304		5.0	12/09/10 15:13		☐
23	MA1VWX	G0L080442-1	0342304	2A	1.0	12/09/10 15:17		☐
24	MA1VWZ	G0L080442-1	0342304		1.0	12/09/10 15:21		☐
25	CCV 3				1.0	12/09/10 15:24		☐
26	CCB 3				1.0	12/09/10 15:28		☐
27	CCV 4				1.0	12/09/10 15:32		☐
28	CCB 4				1.0	12/09/10 15:36		☐
29	MA1VX	G0L080442-2	0342304	2A	1.0	12/09/10 15:39		☐
30	MA1V1	G0L080442-3	0342304	2A	1.0	12/09/10 15:43		☐
31	MA1V3	G0L080442-4	0342304	2A	1.0	12/09/10 15:47		☐
32	MA1V4	G0L080442-5	0342304	2A	1.0	12/09/10 15:50		☐
33	MAWEP	G0L040465-1	0342298	2A	1.0	12/09/10 15:54		☐
34	MAWEPP5	G0L040465	0342298		5.0	12/09/10 15:57		☐
35	MAWEPZ	G0L040465-1	0342298		1.0	12/09/10 16:01		☐
36	MAWEQ	G0L040465-2	0342298	2A	1.0	12/09/10 16:05		☐
37	CCV 5				1.0	12/09/10 16:09		☐
38	CCB 5				1.0	12/09/10 16:12		☐

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M02 (M02) Reported: 12/10/10 07:33:34

File ID: 101209C2 **Analyst: hargraves**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	12/09/10 13:33	68.8	72.3	67.5	70.5	☐
2	Blank	12/09/10 13:37	100.0	100.0	100.0	100.0	☑
3	Standard1	12/09/10 13:41	96.7	97.6	97.6	96.8	☑
4	ICV	12/09/10 13:45	95.7	96.5	95.7	94.1	☑
5	ICB	12/09/10 13:49	96.0	97.1	96.8	95.2	☑
6	LLSTD1	12/09/10 13:52	96.7	97.0	97.5	96.3	☑
7	LLSTD2	12/09/10 13:56	97.6	95.9	96.5	97.0	☑
8	ICSA	12/09/10 14:00	82.7	83.8	80.6	90.3	☑
9	ICSAB	12/09/10 14:04	82.8	84.0	81.0	91.2	☑
10	Rinse	12/09/10 14:26	101.5	101.8	95.6	103.8	☑
11	CCV 1	12/09/10 14:33	98.2	98.5	95.0	100.7	☑
12	CCB 1	12/09/10 14:37	99.7	101.1	96.1	101.9	☑
13	CCV 2	12/09/10 14:40	96.6	96.5	94.5	99.3	☑
14	CCB 2	12/09/10 14:44	98.6	99.0	95.7	100.7	☑
15	MATVCB	12/09/10 14:48	95.3	95.8	89.7	96.6	☑
16	MATVCC	12/09/10 14:52	93.2	93.5	88.4	94.7	☑
17	MATVCL	12/09/10 14:55	91.8	94.1	88.2	95.6	☑
18	MA2E2B	12/09/10 14:59	94.0	97.1	90.5	98.7	☑
19	MA2E2C	12/09/10 15:03	95.5	97.0	93.4	99.9	☑
20	MA2ENL	12/09/10 15:06	93.7	98.3	92.2	98.6	☑
21	MA1VW	12/09/10 15:10	94.1	97.2	90.9	97.5	☑
22	MA1VWP5	12/09/10 15:13	96.8	97.7	95.9	99.0	☐
23	MA1VWX	12/09/10 15:17	94.4	97.4	93.1	97.1	☑
24	MA1VWZ	12/09/10 15:21	87.9	90.9	90.4	91.0	☑
25	CCV 3	12/09/10 15:24	90.3	93.1	94.1	92.5	☑
26	CCB 3	12/09/10 15:28	91.9	94.3	95.7	93.1	☑
27	CCV 4	12/09/10 15:32	91.7	93.6	96.5	94.3	☑
28	CCB 4	12/09/10 15:36	93.5	95.0	96.4	94.6	☑
29	MA1VX	12/09/10 15:39	91.0	93.3	90.7	92.8	☑
30	MA1V1	12/09/10 15:43	89.3	92.3	85.0	92.9	☑
31	MA1V3	12/09/10 15:47	92.6	95.5	88.6	94.3	☑
32	MA1V4	12/09/10 15:50	92.7	96.5	89.7	96.2	☑
33	MAWEP	12/09/10 15:54	95.1	97.3	90.9	98.9	☑
34	MAWEPP5	12/09/10 15:57	94.5	95.8	93.5	95.5	☐
35	MAWEPZ	12/09/10 16:01	91.4	94.7	90.4	96.0	☑
36	MAWEQ	12/09/10 16:05	93.6	96.4	90.9	95.5	☑
37	CCV 5	12/09/10 16:09	92.3	93.3	93.1	94.4	☑
38	CCB 5	12/09/10 16:12	94.9	95.9	94.3	96.6	☑

TAL West Sac

CALIBRATION CHECK SUMMARY

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Method: 6020 **Instrument: M02** **Batch: 101209C2**

Sample ID	Type	File - Sequence	Analyzed Date	Q
ICV	***ICV***	***101209C2, 4***	***12/09/2010 13:45:28***	☐
ICB	***ICB***	***101209C2, 5***	***12/09/2010 13:49:13***	☐
ICSA	***ICSA***	***101209C2, 8***	***12/09/2010 14:00:23***	☐
ICSAB	***ICSAB***	***101209C2, 9***	***12/09/2010 14:04:05***	☐
CCV 1	***CCV***	***101209C2, 11***	***12/09/2010 14:33:31***	☐
CCB 1	***CCB***	***101209C2, 12***	***12/09/2010 14:37:15***	☐
CCV 2	***CCV***	***101209C2, 13***	***12/09/2010 14:40:59***	☐
CCB 2	***CCB***	***101209C2, 14***	***12/09/2010 14:44:43***	☐
CCV 3	***CCV***	***101209C2, 25***	***12/09/2010 15:24:56***	☐
CCB 3	***CCB***	***101209C2, 26***	***12/09/2010 15:28:40***	☐
CCV 4	***CCV***	***101209C2, 27***	***12/09/2010 15:32:24***	☐
CCB 4	***CCB***	***101209C2, 28***	***12/09/2010 15:36:08***	☐
CCV 5	***CCV***	***101209C2, 37***	***12/09/2010 16:09:03***	☐
CCB 5	***CCB***	***101209C2, 38***	***12/09/2010 16:12:47***	☐

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **ICV (ICV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 4 Method 6020_
Acquired: 12/09/2010 13:45:28 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***23002***	***80.383***	***80.000***	***100***	
7440-47-3	***Chromium***	***52***	***459579***	***78.491***	***80.000***	***98.1***	
7439-96-5	***Manganese***	***55***	***704438***	***79.935***	***80.000***	***99.9***	
7440-02-0	***Nickel***	***60***	***107821***	***80.569***	***80.000***	***101***	
7440-50-8	***Copper***	***65***	***118740***	***81.455***	***80.000***	***102***	
7440-66-6	***Zinc***	***68***	***43718***	***82.137***	***80.000***	***103***	
7440-38-2	***Arsenic***	***75***	***108608***	***79.404***	***80.000***	***99.3***	
7440-43-9	***Cadmium***	***111***	***92496***	***80.478***	***80.000***	***101***	
7440-36-0	***Antimony***	***121***	***162791***	***39.508***	***40.000***	***98.8***	
7440-39-3	***Barium***	***135***	***111946***	***77.806***	***80.000***	***97.3***	
7439-92-1	***Lead***	***208***	***2051496***	***81.819***	***80.000***	***102***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***921836***		☑
7440-56-4	***Germanium***	***72***	***1041051***		☑
7440-74-6	***Indium***	***115***	***1032591***		☑
7440-30-4	***Thulium***	***169***	***1209063***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **ICB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 5 Method 6020_
Acquired: 12/09/2010 13:49:13 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***4***	***0.00499***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***17578***	***0.24036***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***932***	***0.00682***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***242***	***-0.06086***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***70***	***0.00627***				
7440-66-6	***Zinc***	***68***	***332***	***0.21103***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***9747***	***-0.50832***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***33***	***-0.00454***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***951***	***0.17865***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***111***	***-0.01233***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***757***	***0.00713***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***932608***		☑
7440-56-4	***Germanium***	***72***	***1044813***		☑
7440-74-6	***Indium***	***115***	***1039316***		☑
7440-30-4	***Thulium***	***169***	***1222696***		☑

Reviewed by: Date:

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **ICSA** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 8 Method 6020_
Acquired: 12/09/2010 14:00:23 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***11***	***0.03425***		*	☑
7440-47-3	***Chromium***	***52***	***26429***	***2.5558***		*	
7439-96-5	***Manganese***	***55***	***51201***	***6.6348***		*	
7440-02-0	***Nickel***	***60***	***1795***	***1.3155***		*	☑
7440-50-8	***Copper***	***65***	***-1094***	***-0.91079***		*	
7440-66-6	***Zinc***	***68***	***2387***	***4.8031***		*	☑
7440-38-2	***Arsenic***	***75***	***9349***	***0.38455***		*	☑
7440-43-9	***Cadmium***	***111***	***958***	***0.92731***		*	☑
7440-36-0	***Antimony***	***121***	***1046***	***0.24185***		*	☑
7440-39-3	***Barium***	***135***	***3846***	***2.9930***		*	
7439-92-1	***Lead***	***208***	***12883***	***0.51320***		*	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***776038***		☑
7440-56-4	***Germanium***	***72***	***899455***		☑
7440-74-6	***Indium***	***115***	***896654***		☑
7440-30-4	***Thulium***	***169***	***1159406***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **ICSAB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02**
File: 101209C2 # 9
Acquired: 12/09/2010 14:04:05
Calibrated: 12/09/2010 13:37:54

Channel 262
Method 6020_
M02

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	*9*	*22736*	*93.839*	*100.00*	*93.8*	☑
7440-47-3	***Chromium***	*52*	*498823*	*99.167*	*100.00*	*99.2*	☑
7439-96-5	***Manganese***	*55*	*794654*	*104.22*	*100.00*	*104*	☑
7440-02-0	***Nickel***	*60*	*107667*	*93.008*	*100.00*	*93.0*	☑
7440-50-8	***Copper***	*65*	*109671*	*86.940*	*100.00*	*86.9*	☑
7440-66-6	***Zinc***	*68*	*43122*	*93.670*	*100.00*	*93.7*	☑
7440-38-2	***Arsenic***	*75*	*117036*	*100.92*	*100.00*	*101*	☑
7440-43-9	***Cadmium***	*111*	*96661*	*96.643*	*100.00*	*96.6*	☑
7440-36-0	***Antimony***	*121*	*187299*	*52.239*	*50.000*	*104*	☑
7440-39-3	***Barium***	*135*	*142838*	*114.11*	*100.00*	*114*	☑
7439-92-1	***Lead***	*208*	*2462189*	*101.29*	*100.00*	*101*	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	*6*	*780597*		☑
7440-56-4	***Germanium***	*72*	*900992*		☑
7440-74-6	***Indium***	*115*	*898721*		☑
7440-30-4	***Thulium***	*169*	*1172082*		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 1 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02**
File: 101209C2 # 11
Acquired: 12/09/2010 14:33:31
Calibrated: 12/09/2010 13:37:54

Channel 262
Method 6020_
M02

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***28256***	***99.523***	***100.00***	***99.5***	
7440-47-3	***Chromium***	***52***	***578268***	***96.856***	***100.00***	***96.9***	
7439-96-5	***Manganese***	***55***	***893897***	***98.821***	***100.00***	***98.8***	
7440-02-0	***Nickel***	***60***	***136316***	***99.272***	***100.00***	***99.3***	
7440-50-8	***Copper***	***65***	***149374***	***99.831***	***100.00***	***99.8***	
7440-66-6	***Zinc***	***68***	***53978***	***98.874***	***100.00***	***98.9***	
7440-38-2	***Arsenic***	***75***	***136292***	***98.919***	***100.00***	***98.9***	
7440-43-9	***Cadmium***	***111***	***115810***	***98.727***	***100.00***	***98.7***	
7440-36-0	***Antimony***	***121***	***209717***	***49.872***	***50.000***	***99.7***	
7440-39-3	***Barium***	***135***	***147810***	***100.68***	***100.00***	***101***	
7439-92-1	***Lead***	***208***	***2688806***	***100.26***	***100.00***	***100***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***914704***		☑
7440-56-4	***Germanium***	***72***	***1068721***		☑
7440-74-6	***Indium***	***115***	***1054046***		☑
7440-30-4	***Thulium***	***169***	***1293215***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 1** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 12 Method 6020_
Acquired: 12/09/2010 14:37:15 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	4	0.00505	1.0	0.078	0.0	
7440-47-3	Chromium	52	19323	0.42467	2.0	0.92	0.0	
7439-96-5	Manganese	55	1011	0.01162	1.0	0.083	0.0	
7440-02-0	Nickel	60	256	-0.05697	2.0	0.098	0.0	
7440-50-8	Copper	65	68	0.00332				
7440-66-6	Zinc	68	339	0.20090	5.0	1.0	0.0	
7440-38-2	Arsenic	75	10518	-0.19493	2.0	0.50	0.0	
7440-43-9	Cadmium	111	37	-0.00238	1.0	0.074	0.0	
7440-36-0	Antimony	121	760	0.12526	2.0	0.036	0.0	
7440-39-3	Barium	135	129	-0.00355	1.0	0.96	0.0	
7439-92-1	Lead	208	797	0.00663	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	925562		☑
7440-56-4	Germanium	72	1084125		☑
7440-74-6	Indium	115	1081886		☑
7440-30-4	Thulium	169	1309423		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 2 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 13 Method 6020_
Acquired: 12/09/2010 14:40:59 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***28231***	***99.881***	***100.00***	***99.9***	
7440-47-3	***Chromium***	***52***	***579077***	***98.725***	***100.00***	***98.7***	
7439-96-5	***Manganese***	***55***	***882218***	***99.241***	***100.00***	***99.2***	
7440-02-0	***Nickel***	***60***	***134027***	***99.316***	***100.00***	***99.3***	
7440-50-8	***Copper***	***65***	***146445***	***99.577***	***100.00***	***99.6***	
7440-66-6	***Zinc***	***68***	***52870***	***98.521***	***100.00***	***98.5***	
7440-38-2	***Arsenic***	***75***	***133231***	***98.335***	***100.00***	***98.3***	
7440-43-9	***Cadmium***	***111***	***114189***	***99.407***	***100.00***	***99.4***	
7440-36-0	***Antimony***	***121***	***208194***	***50.559***	***50.000***	***101***	
7440-39-3	***Barium***	***135***	***145728***	***101.36***	***100.00***	***101***	
7439-92-1	***Lead***	***208***	***2652699***	***100.23***	***100.00***	***100***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***910645***		☑
7440-56-4	***Germanium***	***72***	***1050622***		☑
7440-74-6	***Indium***	***115***	***1032158***		☑
7440-30-4	***Thulium***	***169***	***1276122***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 2** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 14 Method 6020_
Acquired: 12/09/2010 14:44:43 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***3***	***0.00162***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***19291***	***0.45545***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***967***	***0.00804***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***271***	***-0.04415***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***75***	***0.00807***				
7440-66-6	***Zinc***	***68***	***365***	***0.25530***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***10701***	***0.03827***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***31***	***-0.00721***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***770***	***0.13165***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***124***	***-0.00537***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***808***	***0.00739***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***921456***		☑
7440-56-4	***Germanium***	***72***	***1072365***		☑
7440-74-6	***Indium***	***115***	***1059563***		☑
7440-30-4	***Thulium***	***169***	***1293471***		☑

Reviewed by: Date:

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 3 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 25 Method 6020_
Acquired: 12/09/2010 15:24:56 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***28200***	***100.21***	***100.00***	***100***	
7440-47-3	***Chromium***	***52***	***543344***	***99.034***	***100.00***	***99.0***	
7439-96-5	***Manganese***	***55***	***824471***	***99.131***	***100.00***	***99.1***	
7440-02-0	***Nickel***	***60***	***125255***	***99.217***	***100.00***	***99.2***	
7440-50-8	***Copper***	***65***	***137498***	***99.936***	***100.00***	***99.9***	
7440-66-6	***Zinc***	***68***	***49932***	***99.466***	***100.00***	***99.5***	
7440-38-2	***Arsenic***	***75***	***123756***	***97.580***	***100.00***	***97.6***	
7440-43-9	***Cadmium***	***111***	***110149***	***99.391***	***100.00***	***99.4***	
7440-36-0	***Antimony***	***121***	***197864***	***49.804***	***50.000***	***99.6***	
7440-39-3	***Barium***	***135***	***134609***	***97.042***	***100.00***	***97.0***	
7439-92-1	***Lead***	***208***	***2453535***	***99.603***	***100.00***	***99.6***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***906558***		☑
7440-56-4	***Germanium***	***72***	***982784***		☑
7440-74-6	***Indium***	***115***	***995788***		☑
7440-30-4	***Thulium***	***169***	***1187813***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 3** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 26 Method 6020_
Acquired: 12/09/2010 15:28:40 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***3***	***0.00045***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***19250***	***0.68660***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***1046***	***0.02501***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***247***	***-0.04850***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***85***	***0.01907***				
7440-66-6	***Zinc***	***68***	***338***	***0.25029***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***9391***	***-0.45854***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***21***	***-0.01436***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***1058***	***0.21208***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***118***	***-0.00528***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***854***	***0.01169***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***921910***		☑
7440-56-4	***Germanium***	***72***	***1000239***		☑
7440-74-6	***Indium***	***115***	***1009040***		☑
7440-30-4	***Thulium***	***169***	***1196006***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 4 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 27 Method 6020_
Acquired: 12/09/2010 15:32:24 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***28456***	***98.657***	***100.00***	***98.7***	
7440-47-3	***Chromium***	***52***	***553109***	***99.366***	***100.00***	***99.4***	
7439-96-5	***Manganese***	***55***	***839749***	***99.515***	***100.00***	***99.5***	
7440-02-0	***Nickel***	***60***	***126141***	***98.477***	***100.00***	***98.5***	
7440-50-8	***Copper***	***65***	***139599***	***100.00***	***100.00***	***100***	
7440-66-6	***Zinc***	***68***	***51183***	***100.50***	***100.00***	***100***	
7440-38-2	***Arsenic***	***75***	***125749***	***97.734***	***100.00***	***97.7***	
7440-43-9	***Cadmium***	***111***	***109404***	***98.174***	***100.00***	***98.2***	
7440-36-0	***Antimony***	***121***	***200562***	***50.204***	***50.000***	***100***	
7440-39-3	***Barium***	***135***	***137126***	***98.306***	***100.00***	***98.3***	
7439-92-1	***Lead***	***208***	***2530725***	***100.73***	***100.00***	***101***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***929186***		☑
7440-56-4	***Germanium***	***72***	***997066***		☑
7440-74-6	***Indium***	***115***	***1001370***		☑
7440-30-4	***Thulium***	***169***	***1211588***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 4** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 28 Method 6020_
Acquired: 12/09/2010 15:36:08 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***4***	***0.00498***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***18854***	***0.55431***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***1057***	***0.02421***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***270***	***-0.03467***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***78***	***0.01302***				
7440-66-6	***Zinc***	***68***	***350***	***0.26089***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***9492***	***-0.50993***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***27***	***-0.00944***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***1063***	***0.21147***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***128***	***0.00112***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***836***	***0.01043***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***928553***		☑
7440-56-4	***Germanium***	***72***	***1017620***		☑
7440-74-6	***Indium***	***115***	***1016742***		☑
7440-30-4	***Thulium***	***169***	***1215141***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 5 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02**
File: 101209C2 # 37
Acquired: 12/09/2010 16:09:03
Calibrated: 12/09/2010 13:37:54

Channel 262
Method 6020_
M02

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***27672***	***99.418***	***100.00***	***99.4***	
7440-47-3	***Chromium***	***52***	***543800***	***96.929***	***100.00***	***96.9***	
7439-96-5	***Manganese***	***55***	***834569***	***98.199***	***100.00***	***98.2***	
7440-02-0	***Nickel***	***60***	***127499***	***98.828***	***100.00***	***98.8***	
7440-50-8	***Copper***	***65***	***138419***	***98.449***	***100.00***	***98.4***	
7440-66-6	***Zinc***	***68***	***51030***	***99.476***	***100.00***	***99.5***	
7440-38-2	***Arsenic***	***75***	***125903***	***97.110***	***100.00***	***97.1***	
7440-43-9	***Cadmium***	***111***	***109195***	***98.333***	***100.00***	***98.3***	
7440-36-0	***Antimony***	***121***	***200104***	***50.273***	***50.000***	***101***	
7440-39-3	***Barium***	***135***	***137015***	***98.599***	***100.00***	***98.6***	
7439-92-1	***Lead***	***208***	***2523774***	***100.34***	***100.00***	***100***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***896643***		☑
7440-56-4	***Germanium***	***72***	***1004253***		☑
7440-74-6	***Indium***	***115***	***997932***		☑
7440-30-4	***Thulium***	***169***	***1212859***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 12/10/10 07:33:53

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 5** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M02** Channel 262
File: 101209C2 # 38 Method 6020_
Acquired: 12/09/2010 16:12:47 M02
Calibrated: 12/09/2010 13:37:54 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***3***	***0.00061***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***19719***	***0.66055***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***998***	***0.01576***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***258***	***-0.04643***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***80***	***0.01349***				
7440-66-6	***Zinc***	***68***	***362***	***0.27544***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***9980***	***-0.22213***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***24***	***-0.01199***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***766***	***0.13653***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***125***	***-0.00213***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***817***	***0.00903***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***908459***		☑
7440-56-4	***Germanium***	***72***	***1032213***		☑
7440-74-6	***Indium***	***115***	***1026038***		☑
7440-30-4	***Thulium***	***169***			☑

Reviewed by: Date:

AIR, TSP-
Total Suspended
Particulates

Raw Data Package

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G0L040465 (1-2) Batch #: 034331

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 12/09/10 **ANALYST:** JZ 12/09/10

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.		✓	

LEVEL 1 DATA REVIEW			
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: JZ 12/09/10

LEVEL 2 REVIEW:			
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.	✓		
3. Reanalysis documented and chemist notified.			✓
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).			

Completed By & Date: SY 12/10/10

Comments: Dessicator 1A

RQC050 TestAmerica Laboratories, Inc. Run Date: 12/09/10
WET CHEM BATCHSHEET Time: 15:34:50

TestAmerica West Sacramen

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
QC BATCH #: **0343311** INITIALS: DATA ENTRY:
PREP DATE: 12/06/10 10:00 PREP JZ INITIALS JZ
COMP DATE: 12/07/10 18:26 ANAL JZ DATE 12/09/10
USER: PHOMSOPT

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
MAWEP-1-AA	G-0L040465-001	XX S 88 AO 3W	M	12/09/10	DW-12012010B
MAWEQ-1-AA	G-0L040465-002	XX S 88 AO 3W	M	12/09/10	UW-12012010B

Control Limits

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Balance Calibration Check Log

WEIGHT #1				WEIGHT #2				DATE	INIT.	WEIGHT ID	P/F *1
Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Upper (g)	Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Upper (g)				
0.2000	0.2003	0.1995	0.2005	10.00	10.0003	9.9000	10.100	11/10/10	JZ	QA 011	P
0.2g	0.2000	0.1995	0.2005	10.0g	10.0001	9.9000	10.100	11/11/10	SV	QA-11	P
0.2g	0.1999	0.1995	0.2005	10.0g	10.0002	9.9000	10.100	11/12/10	ECF	QA-11	P
0.2	0.2001	0.1995	0.2005	10.0	10.0001	9.9000	10.100	11/15/10	ECF	QA-11	P
0.2000	0.1998	0.1995	0.2005	10.0	9.9997	9.9000	10.100	11/16/10	JZ	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/17/10	ECF	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/18/10	JZ	QA-011	P
0.2000	0.2002	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/19/10	JZ	QA 011	P
0.2g	0.2001	0.1995	0.2005	10.0g	10.0002	9.9000	10.100	11/22/10	SV	QA-11	P
0.2g	0.2001	0.1995	0.2005	10.0g	10.0000	9.9000	10.100	11/23/10	SV	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0g	10.0000	9.9000	10.1000	11/24/10	SV	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0g	10.0001	9.9000	10.1000	11/26/10	SV	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0g	9.9997	9.9000	10.1000	11/27/10	SV	QA-11	P
0.2g	0.2001	0.1995	0.2005	10.0g	9.9998	9.9000	10.1000	11/29/10	SV	QA-11	P

1 P= Pass, F= Fail. The observed weight must be with in the listed tolerances in order to pass. If calibration check values fall outside acceptance limits, the balance is considered to be out of calibration.
a) Do not move or use the balance
b) Attach a sign instructing others not to use the balance (see front of logbook).
c) Notify the QA department.

*2 Balance Tolerances (grams):

Denomination	Range	Denomination	Range
0.2000	0.1995 – 0.2005	10	9.9000 – 10.100
0.5000	0.4995 – 0.5005	20	19.8000 – 20.200
1	0.9900 – 1.0100	50	49.5000 – 50.500
2	1.9800 – 2.0200	100	99.0000 – 101.000
5	4.9500 – 5.0500		

Calibration range is (+/-) 1% for top loading balances. The above tolerances have been rounded to meet balance read out capability.

*3 When performing Method 1664A, the following Class 1 weights and tolerances must be used (in grams).

Denomination	Range
0.0020	0.0018 – 0.0022
1	0.9950 – 1.0050
Calibration range is (±) 10% for 2 mg weight and (±) 0.5% for 1 g weight. The above tolerances have been modified to meet balance read out capability.	

Reviewed 11/5/10 TP

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Balance Calibration Check Log

WEIGHT #1				WEIGHT #2				DATE	INIT.	WEIGHT ID	P/F *1
Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Acceptance limits*2 Upper (g)	Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Acceptance limits*2 Upper (g)				
0.2000	0.2001	0.1995	0.2005	10.0000	9.9994	9.9000	10.1000	11/30/10	JZ	QA 011	P
0.2000	0.2002	0.1995	0.2005	10.0000	9.9995	9.9000	10.1000	12/1/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	9.9994	9.9000	10.1000	12/2/10	JZ	QA-11	P
0.2000	0.2000	0.1995	0.2005	10.0000	9.9997	9.9000	10.1000	12/3/10	JZ	QA-11	P
0.2000	0.2002	0.1995	0.2005	10.0000	10.0003	9.9000	10.1000	12/6/10	JZ	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0000	10.0001	9.9000	10.1000	12/7/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0000	9.9000	10.1000	12/8/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0001	9.9000	10.1000	12/9/10	JZ	QA 011	P

1 P= Pass, F= Fail. The observed weight must be with in the listed tolerances in order to pass. If calibration check values fall outside acceptance limits, the balance is considered to be out of calibration.
a) Do not move or use the balance
b) Attach a sign instructing others not to use the balance (see front of logbook).
c) Notify the QA department.

*2 Balance Tolerances (grams):

Denomination	Range	Denomination	Range
0.2000	0.1995 – 0.2005	10	9.9000 – 10.100
0.5000	0.4995 – 0.5005	20	19.8000 – 20.200
1	0.9900 – 1.0100	50	49.5000 – 50.500
2	1.9800 – 2.0200	100	99.0000 – 101.000
5	4.9500 – 5.0500		

Calibration range is (+/-) 1% for top loading balances. The above tolerances have been rounded to meet balance read out capability.

*3 When performing Method 1664A, the following Class 1 weights and tolerances must be used (in grams).

Denomination	Range
0.0020	0.0018 – 0.0022
1	0.9950 – 1.0050
Calibration range is (±) 10% for 2 mg weight and (±) 0.5% for 1 g weight. The above tolerances have been modified to meet balance read out capability.	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Air Toxics
Desiccator Humidity/Temperature Logbook

Desiccator #		1			2			3			4			5			6			7			Amb	
Date	Init	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH
11/9/10	ECF	66	34	–	66	29	–	68	27	(2)	66	32	–	67	34	–	68	36	–	68	32	–	70	34
11/10/10	ECF	67	34	–	68	28	–	69	27	(2)	68	32	–	68	34	–	70	36	–	70	32	–	70	39
11/11/10	SV	65	32	–	66	29	–	67	27	(2)	66	33	–	66	34	–	68	~~35~~ 36		68	32	–	68	33
11/12/10	ECF	65	33	–	66	29	–	67	28	–	66	33	–	66	34	–	68	35	–	68	32	–	68	33
11/15/10	ECF	65	32	–	69	29	–	70	27	(2)	68	33	–	69	37	–	70	35	–	70	32	–	70	39
11/16/10	TP	69	32	–	69	30	–	71	27	(2)	70	34	–	70	38	–	70	35	–	72	32	–	73	34
11/17/10	ECF	66	33	–	67	31	–	68	27	(2)	67	34	–	68	36	–	70	35	–	70	32	–	70	33
11/18/10	ECF	~~66~~	44	(1)	66	32	–	67	28	–	66	34	–	~~66~~ ECF 11/18/10 ~~66~~ 38		(1)	68	35	–	68	32	–	68	37
11/19/10	ECF	67	29	–	67	33	–	68	27	(2)	67	34	–	67	29	–	70	35	–	68	33	–	70	46
11/22/10	SV	65	29	–	66	34	–	67	28	–	66	34	–	66	29	–	68	35	–	68	32	–	68	35
11-23-10	SV	67	29	–	67	34	–	66	27	(2)	67	35	–	68	28	–	70	35	–	70	32	–	70	40
11-24-10	SV	65	29	–	65	33	–	67	28	–	66	33	–	66	29	–	66	34	–	68	32	–	68	24
11-26-10	SV	65	29	–	66	32	–	67	28	–	66	33	–	67	29	–	68	37	–	68	32		68	25
11-27-10	SV	65	29		65	33	–	67	28		65	33	–	66	29	–	68	33	–	68	32	–	68	33
11-29-10	SV	65	29	–	66	33	–	67	28	–	66	33		66	29	–	68	33	–	68	32	–	66	27

Abbreviations: T = Temperature (°F) RH = Relative Humidity (%) FN = Foot Note
Limits: RH 33± 5% Temperature 22± 5 °C or 71.6± 9°F
Foot Notes: 1 = Desiccant Changed 2 = Desiccator < 28% Humidity

Reviewed 11/15/10 TP

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Air Toxics

Desiccator Humidity/Temperature Logbook

Desiccator #		1			2			3			4			5			6			7			Amb	
Date	Init	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH
11-30-10	RV	65	30	-	65	33	-	67	28	-	66	33	-	66	29	-	68	33	-	68	32	-	68	29
12/1/10	ECf	64	31	—	65	33	—	66	28	—	65	33	—	66	31	—	68	33	—	68	32	—	68	30
12/2/10	ECf	64	31	—	65	33	—	66	28	—	65	33	—	65	32	—	68	33	—	68	32	—	68	32
12-3-10	RV	67	31	—	68	33	-	69	27	(2)	67	34	-	68	32	-	70	33	-	70	32	-	70	36
12/6/10	ECf	67	32	—	68	37	—	69	30	—	68	36	—	68	35	—	70	34	—	70	32	—	70	47
12/7/10	ECf	66	34	—	67	36	—	68	30	—	67	36	—	67	34	—	70	34	—	68	32	—	70	38
12/8/10	ECf	68	33	—	68	38	(1)	69	31	—	68	37	(1)	68	34	—	70	34	—	70	32	—	70	43

Abbreviations: T = Temperature (°F) RH = Relative Humidity (%) FN = Foot Note
Limits: RH 33± 5% Temperature 22± 5 °C or 71.6± 9°F
Foot Notes: 1 = Desiccant Changed 2 = Desiccator < 28% Humidity

TestAmerica Laboratories, Inc.
Inorganics Batch Review
QC Batch **0343311**

Date 12/10/2010
Time 9:48:25

Method Code:**AO Particulates in Air, Suspended "TSP HiVol" (APP B)**
Analyst:**Thep Phomsopha**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
MAWEP-1-AA	0.0639	g	0.0005	12/06-12/09/10	.00	N		0.0639	0.0005	1.00
MAWEQ-1-AA	0.0751	g	0.0005	12/06-12/09/10	.00	N		0.0751	0.0005	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

TestAmerica

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)	Initial Wts Stablity Check
	5g wt	5.0004 112310skv1636	5.0000 112410skv0731	5.0000 120710jz1153	4.9999 120710jz1810					-0.0001	
	5g wt	5.0004 112310skv1636	5.0000 112410skv0731	4.9998 120910jz1209							
	tron112310-76	4.3772 112310skv1636	4.3778 112410skv0731							NC	
[redacted]	tron112310-77	4.3738 112310skv1636	4.3735 112410skv0732	4.4372 120710jz1155	4.4374 120710jz1812					0.0639	✓
[redacted]	tron112310-78	4.3781 112310skv1637	4.3776 112410skv0735	4.4526 120710jz1156	4.4527 120710jz1815					0.0751	✓
	tron112310-79	4.3880 112310skv1638	4.3882 112410skv0738							NC	
	tron112310-80	4.3796 112310skv1639	4.3794 112410skv0738							NC	
	tron112310-81	4.3631 112310skv1639	4.3629 112410skv0738							NC	
MA1XW	tron112310-82	4.3812 112310skv1640	4.3816 112410skv0739	4.4442 120910jz1211						NC	
MA1X8	tron112310-83	4.3762 112310skv1640	4.3763 112410skv0739	4.4371 120910jz1213						NC	
	tron112310-84	4.3756 112310skv1640	4.3756 112410skv0740							NC	
	tron112310-85	4.3786 112310skv1641	4.3790 112410skv0741							NC	
	5g wt	5.0002 112310skv1642	4.9997 112410skv0742							NC	
	tron112310-86	4.3995 112310skv1644	4.4000 112410skv0743							NC	
	tron112310-87	4.3731 112310skv1647	4.3731 112410skv0744							NC	
	tron112310-88	4.3949 112310skv1647	4.3953 112410skv0745							NC	
	tron112310-89	4.4021 112310skv1648	4.4024 112410skv0745							NC	
	tron112310-90	4.4024 112310skv1648	4.4022 112410skv0746							NC	
	tron112310-91	4.3857 112310skv1648	4.3860 112410skv0746							NC	
MA11P	tron112310-92	4.3979 112310skv1649	4.3982 112410skv0746	4.4321 120910jz1216						NC	
MA12P	tron112310-	4.3935	4.3939	4.4221						NC	

TestAmerica WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)	Initial Wts Stablity Check
	93	112310skv1649	112410skv0747	120910jz1217							
MAWER 120610jz1000	tron112310-94	4.3779 112310skv1650	4.3780 112410skv0747	4.4556 120710jz1157	4.4555 120710jz1822					0.0775	
MAWEX 120610jz1000	tron112310-95	4.3891 112310skv1650	4.3889 112410skv0747	4.4336 120710jz1159	4.4334 120710jz1824					0.0445	
	5g wt	5.0001 112310skv1651	4.9998 112410skv0748	4.9999 120710jz1200	4.9999 120710jz1826					0.0001	
	5g wt	5.0001 112310skv1651	4.9998 112410skv0748	4.9998 120910jz1219						NC	

Requested By: VALMORES

Batch	Lot/Sample ID	Analysis Code	W/O#	Group	Message
0343311					Release Requested
0343311					Successfully Released