

December 22, 2010

TestAmerica Project Number: G0L140439

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 14, 2010. These samples are associated with your Tronox Henderson Air Monitoring project.

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

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

Sincerely,



DAVID R. ALLTUCKER
Project Manager

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Case Narrative

TestAmerica West Sacramento Project Number G0L140439

AIR, TO-13, Semivolatile Organics

Sample(s): 3, 6, 12

The pre-spiked surrogate recoveries for G0L140439-3, 6 and 12 were low and outside criteria. However, the surrogate recovery in the associated method blank was within established control limits. The results may be biased low. The matrix effect was confirmed by visible chromatographic interferences.

AIR, TO-9, Dioxins/Furans

Sample(s): 2, 5, 8, 11

Several analytes in the above samples and in the MB have been qualified with a "Q" flag due to the ion abundance ratios being outside of criteria. The analytes have been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

Sample(s): 2

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on December 18, 2010.

There were no other anomalies associated with this project.

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 GOL140439

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
MCAHT	1	UW-12092010B	12/9/2010 05:28 PM	12/14/2010 08:55 AM
MCAHW	2	UW-12092010B	12/9/2010 05:25 PM	12/14/2010 08:55 AM
MCAHX	3	UW-12092010B	12/9/2010 05:26 PM	12/14/2010 08:55 AM
MCAHO	4	DW-12092010B	12/9/2010 05:52 PM	12/14/2010 08:55 AM
MCAH3	5	DW-12092010B	12/9/2010 05:51 PM	12/14/2010 08:55 AM
MCAH4	6	DW-12092010B	12/9/2010 05:54 PM	12/14/2010 08:55 AM
MCAH6	7	UW-12102010B	12/10/2010 04:24 PM	12/14/2010 08:55 AM
MCAH7	8	UW-12102010B	12/10/2010 04:21 PM	12/14/2010 08:55 AM
MCAH9	9	UW-12102010B	12/10/2010 04:22 PM	12/14/2010 08:55 AM
MCAJA	10	DW-12102010B	12/10/2010 04:42 PM	12/14/2010 08:55 AM
MCAJC	11	DW-12102010B	12/10/2010 04:38 PM	12/14/2010 08:55 AM
MCAJE	12	DW-12102010B	12/10/2010 04:39 PM	12/14/2010 08:55 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.



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.

Required Ship to Lab:		Required Project Information:		Required Invoice Information:		Event Complete?											
Lab Name:	Test America Laboratories Inc	Site ID #102:	TRONOX LLC, HENDERSON	Send Invoice to:	Susan Crowley Tronox LLC.	Total # of Samples:	12										
Address:	880 Riverside Parkway West Sacramento, CA 95605	Project #:	2027.07	Address:	PO Box 86 Henderson, NV 89009	Regular											
Lab Pk:	David Altucher	Site Address:	560 W Lake Mead Pkwy City: Henderson State, Zip: NV, 89015	City/State:	Henderson, NV 89009	Rush											
Phone/Fax:	(916) 373-8600	Site PM Name:	Ted Spitzer	PO #:		5 day											
Lab PM Email:	David.Altucher@testamerica.com	Phone/Fax:	(916) 435-4009	Send EDD to:	Frank.Hagan@ngem.com	Mark One											
Applicable Lab Code #:		Site PM Email:	Ted.Spitzer@ngem.com	CC Handcopy report to:	PDF Electronic Version Only - FTP Upload												
				CC Handcopy 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/Drifts, Furns	TO-13A/270C/HCB	TSP	6020/A/M/N/CPMS	Temp in OC	Samples on Ice?	Sample Intact?	Trip Blank?
	UW-12092010B		AA			12/9/2010	5:28 PM	1	941.06	X	X	X					
	UW-12092010B		AA			12/9/2010	5:25 PM	1	588.97								
	UW-12092010B		AA			12/9/2010	5:28 PM	1	628.04	X	X						
	DW-12092010B		AA			12/9/2010	5:52 PM	1	927.66		X	X					
	DW-12092010B		AA			12/9/2010	5:51 PM	1	629.61	X							
	DW-12092010B		AA			12/9/2010	5:54 PM	1	617.48		X	X					
	UW-12102010B		AA			12/10/2010	4:24 PM	1	887.92	X							
	UW-12102010B		AA			12/10/2010	4:21 PM	1	567.38								
	UW-12102010B		AA			12/10/2010	4:22 PM	1	594.92	X							
	DW-12102010B		AA			12/10/2010	4:42 PM	1	891.3		X	X					
	DW-12102010B		AA			12/10/2010	4:38 PM	1	601.46	X							
	DW-12102010B		AA			12/10/2010	4:39 PM	1	608.22	X							
Additional Comments/Special Instructions: 3-5 DAY TURN AROUND																	
Signature: <i>Ronda S. Bailey</i> Name: Ronda S. Bailey Title: <i>Lab Manager</i> Date: <i>12/10/2010</i>																	
Signature: <i>[Signature]</i> Name: <i>[Name]</i> Title: <i>[Title]</i> Date: <i>[Date]</i>																	

CLIENT Northgate PM DA LOG # 68555
 LOT# (QUANTIMS ID) G0140439 QUOTE# 84087 LOCATION WI4D AC
 DATE RECEIVED 12/14/10 TIME RECEIVED 0855 Checked (✓)
 DELIVERED BY FEDEX ON TRAC CLIENT
 GOLDENSTATE UPS GO-GETTERS OTHER
 TAL COURIER TAL SF VALLEY LOGISTICS
 CUSTODY SEAL STATUS INTACT BROKEN N/A
 CUSTODY SEAL #(S) NA
 SHIPPING CONTAINER(S) TAL CLIENT N/A
 COC #(S) 2027-07-0022
 TEMPERATURE BLANK Observed: NA Corrected: _____
 SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)
 Observed: 4 Average 4 Corrected Average 4
LABORATORY THERMOMETER ID:
 IR UNIT: #4 #5 OTHER _____

CV 12/14/10
 Initials Date

pH MEASURED YES ANOMALY N/A
 LABELED BY.....
 LABELS CHECKED BY.....
 PEER REVIEW _____ NA
 SHORT HOLD TEST NOTIFICATION METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A
 SAMPLE RECEIVING
 WETCHEM N/A
 VOA-ENCORES 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
CV 12/14/10
 Initials Date

Notes _____

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

Lot

ID:

GOL140439

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter	/			/			/			/			/							
PUF		/	/		/	/		/	/		/	/		/	/					
Petri/Filter																				
XAD Trap																				
Ziploc																				

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: UW-12092010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 003	Work Order #....:	MCAHX1AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/16/10	Volume....:	628.04
Prep Batch #:	0349401	Instrument ID....:	5MH	Method....:	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Kenny Q. Truong		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	ND	0.016	0.0021	ug/m3
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4		55	*	60 - 120
2-Fluorobiphenyl		83		58 - 105
2-Fluorophenol		66		41 - 105
Nitrobenzene-d5		85		46 - 118
Phenol-d5		75		43 - 122
Terphenyl-d14		82		69 - 110
2,4,6-Tribromophenol		101		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-12092010B

Trace Level Compounds

Lot - Sample #....: G0L140439 - 006	Work Order #....: MCAH41AA	Matrix....: AA
Date Sampled....: 12/09/10	Date Received....: 12/14/10	Dilution Factor....: 1
Prep Date....: 12/15/10	Analysis Date....: 12/16/10	Volume....: 617.48
Prep Batch #: 0349401	Instrument ID....: 5MH	Method....: EPA-2 TO-13
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Kenny Q. Truong	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	0.0067 J	0.016	0.0021	ug/m3
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4		59 *		60 - 120
2-Fluorobiphenyl		87		58 - 105
2-Fluorophenol		69		41 - 105
Nitrobenzene-d5		82		46 - 118
Phenol-d5		79		43 - 122
Terphenyl-d14		91		69 - 110
2,4,6-Tribromophenol		103		61 - 118

QUALIFIERS

- * Surrogate recovery is outside stated control limits.
- J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: UW-12102010B

Trace Level Compounds

Lot - Sample #....: GOL140439 - 009	Work Order #....: MCAH91AA	Matrix....: AA
Date Sampled....: 12/10/10	Date Received....: 12/14/10	Dilution Factor....: 1
Prep Date....: 12/15/10	Analysis Date....: 12/16/10	Volume....: 594.92
Prep Batch #: 0349401	Instrument ID....: 5MH	Method....: EPA-2 TO-13
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Kenny Q. Truong	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	ND	0.017	0.0022	ug/m3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	60	60 - 120
2-Fluorobiphenyl	89	58 - 105
2-Fluorophenol	71	41 - 105
Nitrobenzene-d5	89	46 - 118
Phenol-d5	86	43 - 122
Terphenyl-d14	91	69 - 110
2,4,6-Tribromophenol	99	61 - 118

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12102010B

Trace Level Compounds

Lot - Sample #....: GOL140439 - 012	Work Order #....: MCAJE1AA	Matrix....: AA
Date Sampled....: 12/10/10	Date Received....: 12/14/10	Dilution Factor....: 1
Prep Date....: 12/15/10	Analysis Date....: 12/16/10	Volume....: 608.22
Prep Batch #: 0349401	Instrument ID....: 5MH	Method....: EPA-2 TO-13
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Kenny Q. Truong	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	0.0081 J	0.016	0.0021	ug/m3
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichlorobenzene-d4		57 *	60 - 120	
2-Fluorobiphenyl		83	58 - 105	
2-Fluorophenol		67	41 - 105	
Nitrobenzene-d5		82	46 - 118	
Phenol-d5		77	43 - 122	
Terphenyl-d14		81	69 - 110	
2,4,6-Tribromophenol		101	61 - 118	

QUALIFIERS

- * Surrogate recovery is outside stated control limits.
- J Estimated Result.

QC DATA ASSOCIATION SUMMARY

G0L140439

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
002	AA	EPA-2 TO-9		0349402	
003	AA	EPA-2 TO-13		0349401	
004	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
005	AA	EPA-2 TO-9		0349402	
006	AA	EPA-2 TO-13		0349401	
007	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
008	AA	EPA-2 TO-9		0349402	
009	AA	EPA-2 TO-13		0349401	
010	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
011	AA	EPA-2 TO-9		0349402	
012	AA	EPA-2 TO-13		0349401	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L150000 - 401B	Work Order #....:	MCEK71AA	Matrix....:	AIR
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/16/10	Volume....:	0
Prep Batch #:	0349401	Instrument ID....:	5MH	Method....:	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Kenny Q. Truong		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	ND	10.0	1.3	ug
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichlorobenzene-d4		69	60 - 120	
2-Fluorobiphenyl		81	58 - 105	
2-Fluorophenol		67	41 - 105	
Nitrobenzene-d5		80	46 - 118	
Phenol-d5		78	43 - 122	
Terphenyl-d14		91	69 - 110	
2,4,6-Tribromophenol		101	61 - 118	

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0L140439	Work Order # ...: MCEK71AC-LCS	Matrix : AIR
LCS Lot-Sample# : G0L150000 - 401	MCEK71AD-LCSD	
Prep Date : 12/15/10	Analysis Date ..: 12/16/10	
Prep Batch # ...: 0349401		
Dilution Factor : 1		
Analyst ID.....: Kenny Q. Truong	Instrument ID...: 5MH	Method.....: EPA-2 TO-13
Initial Wgt/Vol: 1 Sample		

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>
Hexachlorobenzene	100	98.1	ug	98	(70 - 110)		
	100	93.1	ug	93	(70 - 110)	5.3	(0 - 30)
<u>SURROGATE</u>				<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
2-Fluorobiphenyl				91	(58 - 105)		
				87	(58 - 105)		
2-Fluorophenol				76	(41 - 105)		
				73	(41 - 105)		
Nitrobenzene-d5				86	(46 - 118)		
				86	(46 - 118)		
Phenol-d5				85	(43 - 122)		
				81	(43 - 122)		
Terphenyl-d14				86	(69 - 110)		
				83	(69 - 110)		
2,4,6-Tribromophenol				108	(61 - 118)		
				110	(61 - 118)		

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

AIR, TO-9, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: UW-12092010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L140439 - 002	Work Order #....:	MCAHW1AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Instrument ID....:	3D5
Prep Date....:	12/15/10	Analysis Date....:	12/18/10	Volume....:	598.97
Prep Batch #:	0349402	Dilution Factor....:	1	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	6.8	20		
1,2,3,7,8-PeCDD	ND	100	1.0	0
Total PeCDD	11	100		
1,2,3,4,7,8-HxCDD	1.7	100	0.1	0.00028
1,2,3,6,7,8-HxCDD	2.7	100	0.1	0.00045
1,2,3,7,8,9-HxCDD	4.7	100	0.1	0.00078
Total HxCDD	31	100		
1,2,3,4,6,7,8-HpCDD	34	100	0.01	0.00057
Total HpCDD	72	100		
OCDD	7.6	200	0.0003	0.000038
2,3,7,8-TCDF	14	20	0.1	0.0023
Total TCDF	130	20		
1,2,3,7,8-PeCDF	19	100	0.03	0.00095
2,3,4,7,8-PeCDF	10	100	0.3	0.0050
Total PeCDF	140	100		
1,2,3,4,7,8-HxCDF	35	100	0.1	0.0058
1,2,3,6,7,8-HxCDF	25	100	0.1	0.0042
2,3,4,6,7,8-HxCDF	7.9	100	0.1	0.0013
1,2,3,7,8,9-HxCDF	3.5	100	0.1	0.00058
Total HxCDF	180	100		
1,2,3,4,6,7,8-HpCDF	110	100	0.01	0.0018
1,2,3,4,7,8,9-HpCDF	35	100	0.01	0.00058
Total HpCDF	200	100		
OCDF	240	200	0.0003	0.00012
Total TEQ Concentration				0.025

Northgate Environmental Management, Inc.

Sample ID: UW-12092010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: G0L140439 - 002
Date Sampled....: 12/09/10
Prep Date....: 12/15/10
Prep Batch #: 0349402
Initial Wgt/Vol : 1 Sample

Work Order #....: MCAHW1AA
Date Received....: 12/14/10
Analysis Date....: 12/18/10
Dilution Factor....: 1
Analyst ID....: Sonia Ouni

Matrix....: AA
Instrument ID....: 3D5
Volume....: 598.97
Units.....: pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	91	50 - 120
13C-1,2,3,7,8-PeCDD	99	50 - 120
13C-1,2,3,6,7,8-HxCDD	95	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	91	50 - 120
13C-1,2,3,7,8-PeCDF	101	50 - 120
13C-1,2,3,4,7,8-HxCDF	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	106	50 - 120

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: UW-12092010B

Trace Level Compounds

Lot - Sample #....: G0L140439 - 002	Work Order #....: MCAHW1AA	Matrix....: AA
Date Sampled....: 12/09/10	Date Received....: 12/14/10	Dilution Factor....: 1
Prep Date....: 12/15/10	Analysis Date....: 12/18/10	Volume....: 598.97
Prep Batch #: 0349402	Instrument ID....: 3D5	Method....: EPA-2 TO-9
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Sonia Ouni	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	0.033	0.0015	pg/m3
Total TCDD	0.011	0.033	0.0014	pg/m3
1,2,3,7,8-PeCDD	ND	0.17	0.0023	pg/m3
Total PeCDD	0.019	0.17	0.0023	pg/m3
1,2,3,4,7,8-HxCDD	0.0029 J	0.17	0.00099	pg/m3
1,2,3,6,7,8-HxCDD	0.0045 J Q	0.17	0.00092	pg/m3
1,2,3,7,8,9-HxCDD	0.0079 J	0.17	0.00092	pg/m3
Total HxCDD	0.051	0.17	0.00093	pg/m3
1,2,3,4,6,7,8-HpCDD	0.057 J Q	0.17	0.0017	pg/m3
Total HpCDD	0.12	0.17	0.0017	pg/m3
OCDD	0.013 J B	0.33	0.0017	pg/m3
2,3,7,8-TCDF	0.023 J CON	0.033	0.0055	pg/m3
Total TCDF	0.22	0.033	0.0017	pg/m3
1,2,3,7,8-PeCDF	0.032 J	0.17	0.0022	pg/m3
2,3,4,7,8-PeCDF	0.017 J	0.17	0.0023	pg/m3
Total PeCDF	0.23	0.17	0.0023	pg/m3
1,2,3,4,7,8-HxCDF	0.059 J	0.17	0.0014	pg/m3
1,2,3,6,7,8-HxCDF	0.041 J	0.17	0.0012	pg/m3
2,3,4,6,7,8-HxCDF	0.013 J	0.17	0.0014	pg/m3
1,2,3,7,8,9-HxCDF	0.0058 J	0.17	0.0016	pg/m3
Total HxCDF	0.29	0.17	0.0014	pg/m3
1,2,3,4,6,7,8-HpCDF	0.18 B	0.17	0.0016	pg/m3
1,2,3,4,7,8,9-HpCDF	0.059 J	0.17	0.0018	pg/m3
Total HpCDF	0.34	0.17	0.0017	pg/m3
OCDF	0.40	0.33	0.0023	pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	91	50 - 120
13C-1,2,3,7,8-PeCDD	99	50 - 120
13C-1,2,3,6,7,8-HxCDD	95	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	91	50 - 120
13C-1,2,3,7,8-PeCDF	101	50 - 120
13C-1,2,3,4,7,8-HxCDF	91	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	106	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-12092010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 002	Work Order #....:	MCAHW1AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/18/10	Volume....:	598.97
Prep Batch #:	0349402	Instrument ID....:	3D5	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: DW-12092010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L140439 - 005	Work Order #....:	MCAH31AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Instrument ID....:	3D5
Prep Date....:	12/15/10	Analysis Date....:	12/18/10	Volume....:	629.61
Prep Batch #:	0349402	Dilution Factor....:	1	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	4.3	20		
1,2,3,7,8-PeCDD	ND	100	1.0	0
Total PeCDD	ND	100		0
1,2,3,4,7,8-HxCDD	0.77	100	0.1	0.00012
1,2,3,6,7,8-HxCDD	1.5	100	0.1	0.00024
1,2,3,7,8,9-HxCDD	1.7	100	0.1	0.00027
Total HxCDD	18	100		
1,2,3,4,6,7,8-HpCDD	19	100	0.01	0.00030
Total HpCDD	43	100		
OCDD	56	200	0.0003	0.000027
2,3,7,8-TCDF	15	20	0.1	0.0024
Total TCDF	90	20		
1,2,3,7,8-PeCDF	6.4	100	0.03	0.00030
2,3,4,7,8-PeCDF	3.8	100	0.3	0.0018
Total PeCDF	40	100		
1,2,3,4,7,8-HxCDF	9.6	100	0.1	0.0015
1,2,3,6,7,8-HxCDF	6.0	100	0.1	0.00095
2,3,4,6,7,8-HxCDF	2.0	100	0.1	0.00032
1,2,3,7,8,9-HxCDF	1.2	100	0.1	0.00019
Total HxCDF	49	100		
1,2,3,4,6,7,8-HpCDF	29	100	0.01	0.00046
1,2,3,4,7,8,9-HpCDF	8.6	100	0.01	0.00014
Total HpCDF	52	100		
OCDF	64	200	0.0003	0.000030
Total TEQ Concentration				0.0090

Northgate Environmental Management, Inc.

Sample ID: DW-12092010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: G0L140439 - 005
Date Sampled....: 12/09/10
Prep Date....: 12/15/10
Prep Batch #: 0349402
Initial Wgt/Vol : 1 Sample

Work Order #....: MCAH31AA
Date Received....: 12/14/10
Analysis Date....: 12/18/10
Dilution Factor....: 1
Analyst ID....: Sonia Ouni

Matrix....: AA
Instrument ID....: 3D5
Volume....: 629.61
Units.....: pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	83	50 - 120
13C-1,2,3,7,8-PeCDD	94	50 - 120
13C-1,2,3,6,7,8-HxCDD	92	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	82	40 - 120
13C-OCDD	83	40 - 120
13C-2,3,7,8-TCDF	83	50 - 120
13C-1,2,3,7,8-PeCDF	94	50 - 120
13C-1,2,3,4,7,8-HxCDF	85	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120

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

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-12092010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 005	Work Order #....:	MCAH31AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/18/10	Volume....:	629.61
Prep Batch #:	0349402	Instrument ID....:	3D5	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	0.032	0.0014	pg/m3
Total TCDD	0.0069	0.032	0.0014	pg/m3
1,2,3,7,8-PeCDD	ND	0.16	0.0021	pg/m3
Total PeCDD	ND	0.16	0.0021	pg/m3
1,2,3,4,7,8-HxCDD	0.0012 J	0.16	0.00095	pg/m3
1,2,3,6,7,8-HxCDD	0.0024 J Q	0.16	0.00087	pg/m3
1,2,3,7,8,9-HxCDD	0.0027 J Q	0.16	0.00087	pg/m3
Total HxCDD	0.028	0.16	0.00091	pg/m3
1,2,3,4,6,7,8-HpCDD	0.031 J	0.16	0.0015	pg/m3
Total HpCDD	0.069	0.16	0.0015	pg/m3
OCDD	0.088 J B	0.32	0.0022	pg/m3
2,3,7,8-TCDF	0.024 J	0.032	0.0012	pg/m3
Total TCDF	0.14	0.032	0.0012	pg/m3
1,2,3,7,8-PeCDF	0.010 J	0.16	0.0017	pg/m3
2,3,4,7,8-PeCDF	0.0061	0.16	0.0019	pg/m3
Total PeCDF	0.064	0.16	0.0019	pg/m3
1,2,3,4,7,8-HxCDF	0.015 J	0.16	0.0012	pg/m3
1,2,3,6,7,8-HxCDF	0.0095 J Q	0.16	0.0011	pg/m3
2,3,4,6,7,8-HxCDF	0.0032 J Q	0.16	0.0012	pg/m3
1,2,3,7,8,9-HxCDF	0.0020 J Q	0.16	0.0014	pg/m3
Total HxCDF	0.078	0.16	0.0012	pg/m3
1,2,3,4,6,7,8-HpCDF	0.046 J Q B	0.16	0.0011	pg/m3
1,2,3,4,7,8,9-HpCDF	0.014 J	0.16	0.0012	pg/m3
Total HpCDF	0.082	0.16	0.0011	pg/m3
OCDF	0.10 J	0.32	0.0017	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	50 - 120
13C-1,2,3,7,8-PeCDD	94	50 - 120
13C-1,2,3,6,7,8-HxCDD	92	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	82	40 - 120
13C-OCDD	83	40 - 120
13C-2,3,7,8-TCDF	83	50 - 120
13C-1,2,3,7,8-PeCDF	94	50 - 120
13C-1,2,3,4,7,8-HxCDF	85	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 120
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	112	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-12092010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 005	Work Order #....:	MCAH31AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/18/10	Volume....:	629.61
Prep Batch #:	0349402	Instrument ID....:	3D5	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-12102010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: GOL140439 - 008
 Date Sampled....: 12/10/10
 Prep Date....: 12/15/10
 Prep Batch #: 0349402
 Initial Wgt/Vol : 1 Sample

Work Order #....: MCAH71AA
 Date Received....: 12/14/10
 Analysis Date....: 12/18/10
 Dilution Factor....: 1
 Analyst ID....: Sonia Ouni

Matrix....: AA
 Instrument ID....: 3D5
 Volume....: 567.38
 Units.....: pg/m3

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	20	1.0	0
Total TCDD	4.5	20		
1,2,3,7,8-PeCDD	ND	100	1.0	0
Total PeCDD	2.6	100		
1,2,3,4,7,8-HxCDD	1.2 J Q	100	0.1	0.00021
1,2,3,6,7,8-HxCDD	1.5 J Q	100	0.1	0.00026
1,2,3,7,8,9-HxCDD	2.2 J Q	100	0.1	0.00039
Total HxCDD	13	100		
1,2,3,4,6,7,8-HpCDD	11 J Q	100	0.01	0.00019
Total HpCDD	23	100		
OCDD	32 J B	200	0.0003	0.000017
2,3,7,8-TCDF	19 J	20	0.1	0.0033
Total TCDF	90	20		
1,2,3,7,8-PeCDF	13 J	100	0.03	0.00069
2,3,4,7,8-PeCDF	7.6 J	100	0.3	0.0040
Total PeCDF	93	100		
1,2,3,4,7,8-HxCDF	20 J	100	0.1	0.0035
1,2,3,6,7,8-HxCDF	16 J	100	0.1	0.0028
2,3,4,6,7,8-HxCDF	4.3 J Q	100	0.1	0.00076
1,2,3,7,8,9-HxCDF	3.2 J	100	0.1	0.00056
Total HxCDF	110	100		
1,2,3,4,6,7,8-HpCDF	68 J B	100	0.01	0.0012
1,2,3,4,7,8,9-HpCDF	21 J	100	0.01	0.00037
Total HpCDF	120	100		
OCDF	150 J	200	0.0003	0.000079
Total TEQ Concentration				0.018

Northgate Environmental Management, Inc.

Sample ID: UW-12102010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: G0L140439 - 008
Date Sampled....: 12/10/10
Prep Date....: 12/15/10
Prep Batch #: 0349402
Initial Wgt/Vol : 1 Sample

Work Order #....: MCAH71AA
Date Received....: 12/14/10
Analysis Date....: 12/18/10
Dilution Factor....: 1
Analyst ID....: Sonia Ouni

Matrix....: AA
Instrument ID....: 3D5
Volume....: 567.38
Units....: pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	91	50 - 120
13C-1,2,3,7,8-PeCDD	99	50 - 120
13C-1,2,3,6,7,8-HxCDD	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	89	40 - 120
13C-OCDD	88	40 - 120
13C-2,3,7,8-TCDF	94	50 - 120
13C-1,2,3,7,8-PeCDF	102	50 - 120
13C-1,2,3,4,7,8-HxCDF	89	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	91	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	107	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-12102010B

Trace Level Compounds

Lot - Sample #....: G0L140439 - 008	Work Order #....: MCAH71AA	Matrix....: AA
Date Sampled....: 12/10/10	Date Received....: 12/14/10	Dilution Factor....: 1
Prep Date....: 12/15/10	Analysis Date....: 12/18/10	Volume....: 567.38
Prep Batch #: 0349402	Instrument ID....: 3D5	Method....: EPA-2 TO-9
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Sonia Ouni	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	0.035	0.0012	pg/m3
Total TCDD	0.0080	0.035	0.0012	pg/m3
1,2,3,7,8-PeCDD	ND	0.18	0.0026	pg/m3
Total PeCDD	0.0045	0.18	0.0026	pg/m3
1,2,3,4,7,8-HxCDD	0.0020 J Q	0.18	0.0013	pg/m3
1,2,3,6,7,8-HxCDD	0.0027 J Q	0.18	0.0012	pg/m3
1,2,3,7,8,9-HxCDD	0.0038 J Q	0.18	0.0012	pg/m3
Total HxCDD	0.023	0.18	0.0012	pg/m3
1,2,3,4,6,7,8-HpCDD	0.020 J Q	0.18	0.0014	pg/m3
Total HpCDD	0.040	0.18	0.0014	pg/m3
OCDD	0.057 J B	0.35	0.0012	pg/m3
2,3,7,8-TCDF	0.034 J	0.035	0.0011	pg/m3
Total TCDF	0.16	0.035	0.0011	pg/m3
1,2,3,7,8-PeCDF	0.022 J	0.18	0.0026	pg/m3
2,3,4,7,8-PeCDF	0.013 J	0.18	0.0026	pg/m3
Total PeCDF	0.16	0.18	0.0026	pg/m3
1,2,3,4,7,8-HxCDF	0.036 J	0.18	0.0023	pg/m3
1,2,3,6,7,8-HxCDF	0.029 J	0.18	0.0019	pg/m3
2,3,4,6,7,8-HxCDF	0.0077 J Q	0.18	0.0023	pg/m3
1,2,3,7,8,9-HxCDF	0.0057 J	0.18	0.0026	pg/m3
Total HxCDF	0.19	0.18	0.0023	pg/m3
1,2,3,4,6,7,8-HpCDF	0.12 J B	0.18	0.0013	pg/m3
1,2,3,4,7,8,9-HpCDF	0.036 J	0.18	0.0016	pg/m3
Total HpCDF	0.22	0.18	0.0014	pg/m3
OCDF	0.26 J	0.35	0.0017	pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	91	50 - 120
13C-1,2,3,7,8-PeCDD	99	50 - 120
13C-1,2,3,6,7,8-HxCDD	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	89	40 - 120
13C-OCDD	88	40 - 120
13C-2,3,7,8-TCDF	94	50 - 120
13C-1,2,3,7,8-PeCDF	102	50 - 120
13C-1,2,3,4,7,8-HxCDF	89	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	91	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	107	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-12102010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 008	Work Order #....:	MCAH71AA	Matrix....:	AA
Date Sampled....:	12/10/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/18/10	Volume....:	567.38
Prep Batch #:	0349402	Instrument ID....:	3D5	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: DW-12102010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: GOL140439 - 011
Date Sampled....: 12/10/10
Prep Date....: 12/15/10
Prep Batch #: 0349402
Initial Wgt/Vol : 1 Sample

Work Order #....: MCAJC1AA
Date Received....: 12/14/10
Analysis Date....: 12/18/10
Dilution Factor....: 1
Analyst ID....: Sonia Ouni

Matrix....: AA
Instrument ID....: 3D5
Volume....: 601.46
Units.....: pg/m3

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>	
2,3,7,8-TCDD	ND	20	1.0	0	
Total TCDD	2.4	20			
1,2,3,7,8-PeCDD	ND	100	1.0	0	
Total PeCDD	1.7	100			
1,2,3,4,7,8-HxCDD	ND	100	0.1	0	
1,2,3,6,7,8-HxCDD	ND	100	0.1	0	
1,2,3,7,8,9-HxCDD	ND	100	0.1	0	
Total HxCDD	5.8	100			
1,2,3,4,6,7,8-HpCDD	8.3	J	100	0.01	0.00014
Total HpCDD	16		100		
OCDD	17	J Q B	200	0.0003	0.0000085
2,3,7,8-TCDF	16	J	20	0.1	0.0027
Total TCDF	91		20		
1,2,3,7,8-PeCDF	7.3	J	100	0.03	0.00036
2,3,4,7,8-PeCDF	3.9	J Q	100	0.3	0.0019
Total PeCDF	51		100		
1,2,3,4,7,8-HxCDF	10	J	100	0.1	0.0017
1,2,3,6,7,8-HxCDF	7.5	J Q	100	0.1	0.0012
2,3,4,6,7,8-HxCDF	2.7	J	100	0.1	0.00045
1,2,3,7,8,9-HxCDF	ND		100	0.1	0
Total HxCDF	53		100		
1,2,3,4,6,7,8-HpCDF	34	J B	100	0.01	0.00057
1,2,3,4,7,8,9-HpCDF	8.0	J Q	100	0.01	0.00013
Total HpCDF	60		100		
OCDF	68	J	200	0.0003	0.000034
Total TEQ Concentration					0.0092

Northgate Environmental Management, Inc.

Sample ID: DW-12102010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: G0L140439 - 011
Date Sampled....: 12/10/10
Prep Date....: 12/15/10
Prep Batch #: 0349402
Initial Wgt/Vol : 1 Sample

Work Order #....: MCAJC1AA
Date Received....: 12/14/10
Analysis Date....: 12/18/10
Dilution Factor....: 1
Analyst ID....: Sonia Ouni

Matrix....: AA
Instrument ID....: 3D5
Volume....: 601.46
Units....: pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	50 - 120
13C-1,2,3,7,8-PeCDD	99	50 - 120
13C-1,2,3,6,7,8-HxCDD	110	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	92	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	99	50 - 120
13C-1,2,3,4,7,8-HxCDF	90	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	109	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-12102010B

Trace Level Compounds

Lot - Sample #....: G0L140439 - 011	Work Order #....: MCAJC1AA	Matrix....: AA
Date Sampled....: 12/10/10	Date Received....: 12/14/10	Dilution Factor....: 1
Prep Date....: 12/15/10	Analysis Date....: 12/18/10	Volume....: 601.46
Prep Batch #: 0349402	Instrument ID....: 3D5	Method....: EPA-2 TO-9
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Sonia Ouni	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	0.033	0.0013	pg/m3
Total TCDD	0.0039	0.033	0.0013	pg/m3
1,2,3,7,8-PeCDD	ND	0.17	0.0023	pg/m3
Total PeCDD	0.0028	0.17	0.0023	pg/m3
1,2,3,4,7,8-HxCDD	ND	0.17	0.0010	pg/m3
1,2,3,6,7,8-HxCDD	ND	0.17	0.00096	pg/m3
1,2,3,7,8,9-HxCDD	ND	0.17	0.0017	pg/m3
Total HxCDD	0.0097	0.17	0.00098	pg/m3
1,2,3,4,6,7,8-HpCDD	0.014 J	0.17	0.0018	pg/m3
Total HpCDD	0.027	0.17	0.0018	pg/m3
OCDD	0.029 J Q B	0.33	0.0018	pg/m3
2,3,7,8-TCDF	0.026 J	0.033	0.0013	pg/m3
Total TCDF	0.15	0.033	0.0013	pg/m3
1,2,3,7,8-PeCDF	0.012 J	0.17	0.0015	pg/m3
2,3,4,7,8-PeCDF	0.0066 J Q	0.17	0.0015	pg/m3
Total PeCDF	0.085	0.17	0.0015	pg/m3
1,2,3,4,7,8-HxCDF	0.017 J	0.17	0.0016	pg/m3
1,2,3,6,7,8-HxCDF	0.012 J Q	0.17	0.0014	pg/m3
2,3,4,6,7,8-HxCDF	0.0045 J	0.17	0.0015	pg/m3
1,2,3,7,8,9-HxCDF	ND	0.17	0.0018	pg/m3
Total HxCDF	0.088	0.17	0.0015	pg/m3
1,2,3,4,6,7,8-HpCDF	0.057 J B	0.17	0.0014	pg/m3
1,2,3,4,7,8,9-HpCDF	0.013 J Q	0.17	0.0016	pg/m3
Total HpCDF	0.10	0.17	0.0015	pg/m3
OCDF	0.11 J	0.33	0.0023	pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	50 - 120
13C-1,2,3,7,8-PeCDD	99	50 - 120
13C-1,2,3,6,7,8-HxCDD	110	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	92	40 - 120
13C-OCDD	91	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	99	50 - 120
13C-1,2,3,4,7,8-HxCDF	90	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	109	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-12102010B

Trace Level Compounds

Lot - Sample #....:	GOL140439 - 011	Work Order #....:	MCAJC1AA	Matrix....:	AA
Date Sampled....:	12/10/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/18/10	Volume....:	601.46
Prep Batch #:	0349402	Instrument ID....:	3D5	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).

QC DATA ASSOCIATION SUMMARY

G0L140439

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
002	AA	EPA-2 TO-9		0349402	
003	AA	EPA-2 TO-13		0349401	
004	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
005	AA	EPA-2 TO-9		0349402	
006	AA	EPA-2 TO-13		0349401	
007	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
008	AA	EPA-2 TO-9		0349402	
009	AA	EPA-2 TO-13		0349401	
010	AA	CFR50B APDX B		0355294	
	AA	SW846 6020		0351286	
011	AA	EPA-2 TO-9		0349402	
012	AA	EPA-2 TO-13		0349401	

Method Blank Report

Trace Level Compounds

Lot - Sample #....: G0L150000 - 402B	Work Order #....: MCEK81AA	Matrix....: AIR
Date Sampled....: 12/09/10	Date Received....: 12/14/10	Dilution Factor....: 1
Prep Date....: 12/15/10	Analysis Date....: 12/17/10	Volume....: 0
Prep Batch #: 0349402	Instrument ID....: 3D5	Method....: EPA-2 TO-9
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Sonia Ouni	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND	20	0.69	pg
Total TCDD	ND	20	0.69	pg
1,2,3,7,8-PeCDD	ND	100	1.3	pg
Total PeCDD	ND	100	1.3	pg
1,2,3,4,7,8-HxCDD	ND	100	0.76	pg
1,2,3,6,7,8-HxCDD	ND	100	0.70	pg
1,2,3,7,8,9-HxCDD	ND	100	0.70	pg
Total HxCDD	ND	100	0.76	pg
1,2,3,4,6,7,8-HpCDD	ND	100	1.2	pg
Total HpCDD	ND	100	1.2	pg
OCDD	4.8	200	1.2	pg
2,3,7,8-TCDF	ND	20	0.58	pg
Total TCDF	ND	20	0.58	pg
1,2,3,7,8-PeCDF	ND	100	0.82	pg
2,3,4,7,8-PeCDF	ND	100	0.85	pg
Total PeCDF	ND	100	0.85	pg
1,2,3,4,7,8-HxCDF	ND	100	0.50	pg
1,2,3,6,7,8-HxCDF	ND	100	0.43	pg
2,3,4,6,7,8-HxCDF	ND	100	0.49	pg
1,2,3,7,8,9-HxCDF	ND	100	0.56	pg
Total HxCDF	ND	100	0.56	pg
1,2,3,4,6,7,8-HpCDF	2.0	100	0.69	pg
1,2,3,4,7,8,9-HpCDF	ND	100	0.81	pg
Total HpCDF	2.0	100	0.75	pg
OCDF	ND	200	1.1	pg

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	85	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	98	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 120
13C-OCDD	89	40 - 120
13C-2,3,7,8-TCDF	85	50 - 120
13C-1,2,3,7,8-PeCDF	94	50 - 120
13C-1,2,3,4,7,8-HxCDF	89	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	89	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	107	50 - 120

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L150000 - 402B	Work Order #....:	MCEK81AA	Matrix....:	AIR
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/15/10	Analysis Date....:	12/17/10	Volume....:	0
Prep Batch #:	0349402	Instrument ID....:	3D5	Method....:	EPA-2 TO-9
Initial Wgt/Vol....:	1 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 # ...: GOL140439	Work Order # ...: MCEK81AC-LCS	Matrix : AIR
LCS Lot-Sample# : GOL150000 - 402	MCEK81AD-LCSD	
Prep Date : 12/15/10	Analysis Date ..: 12/20/10	
Prep Batch # ...: 0349402		
Dilution Factor : 1		
Analyst ID.....: Sonia Ouni	Instrument ID..: 3D5	Method.....: EPA-2 TO-9
Initial Wgt/Vol: 1 Sample		

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>
2,3,7,8-TCDD	400	444	pg	111	(70 - 130)		
	400	478	pg	119	(70 - 130)	7.2	(0 - 30)
1,2,3,7,8-PeCDD	2000	2110	pg	106	(70 - 130)		
	2000	2220	pg	111	(70 - 130)	5.1	(0 - 30)
1,2,3,4,7,8-HxCDD	2000	1610	pg	80	(70 - 130)		
	2000	1890	pg	94	(70 - 130)	16	(0 - 30)
1,2,3,6,7,8-HxCDD	2000	2080	pg	104	(70 - 130)		
	2000	2220	pg	111	(70 - 130)	6.3	(0 - 30)
1,2,3,7,8,9-HxCDD	2000	1870	pg	93	(70 - 130)		
	2000	2030	pg	101	(70 - 130)	8.2	(0 - 30)
1,2,3,4,6,7,8-HpCDD	2000	2140	pg	107	(70 - 130)		
	2000	2270	pg	113	(70 - 130)	6.0	(0 - 30)
OCDD	4000	4210	pg	105	(70 - 130)		
	4000	4490	pg	112	(70 - 130)	6.6	(0 - 30)
2,3,7,8-TCDF	400	403	pg	101	(70 - 130)		
	400	428	pg	107	(70 - 130)	6.0	(0 - 30)
1,2,3,7,8-PeCDF	2000	2070	pg	103	(70 - 130)		
	2000	2210	pg	110	(70 - 130)	6.4	(0 - 30)
2,3,4,7,8-PeCDF	2000	2030	pg	102	(70 - 130)		
	2000	2150	pg	107	(70 - 130)	5.4	(0 - 30)
1,2,3,4,7,8-HxCDF	2000	1980	pg	99	(70 - 130)		
	2000	2100	pg	105	(70 - 130)	5.7	(0 - 30)
1,2,3,6,7,8-HxCDF	2000	2050	pg	102	(70 - 130)		
	2000	2210	pg	111	(70 - 130)	7.8	(0 - 30)
2,3,4,6,7,8-HxCDF	2000	2090	pg	104	(70 - 130)		
	2000	2240	pg	112	(70 - 130)	7.0	(0 - 30)
1,2,3,7,8,9-HxCDF	2000	2160	pg	108	(70 - 130)		
	2000	2280	pg	114	(70 - 130)	5.2	(0 - 30)
1,2,3,4,6,7,8-HpCDF	2000	2070	pg	103	(70 - 130)		
	2000	2190	pg	109	(70 - 130)	5.6	(0 - 30)
1,2,3,4,7,8,9-HpCDF	2000	2140	pg	107	(70 - 130)		
	2000	2200	pg	110	(70 - 130)	2.8	(0 - 30)
OCDF	4000	4140	pg	104	(70 - 130)		
	4000	4580	pg	114	(70 - 130)	10	(0 - 30)
<u>INTERNAL STANDARD</u>				<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
13C-2,3,7,8-TCDD				82	(50 - 120)		
				85	(50 - 120)		
13C-1,2,3,7,8-PeCDD				90	(50 - 120)		
				92	(50 - 120)		
13C-1,2,3,6,7,8-HxCDD				104	(50 - 120)		

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0L140439
LCS Lot-Sample# : G0L150000 - 402

Work Order # ...: MCEK81AC-LCS
MCEK81AD-LCSD

Matrix: AIR

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	98	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 120)
	91	(40 - 120)
13C-OCDD	98	(40 - 120)
	96	(40 - 120)
13C-2,3,7,8-TCDF	83	(50 - 120)
	85	(50 - 120)
13C-1,2,3,7,8-PeCDF	89	(50 - 120)
	92	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	86	(50 - 120)
	83	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 120)
	92	(40 - 120)

Notes:

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

Bold print denotes control parameters

AIR, Metals by ICPMS (As and Mn)

Northgate Environmental Management, Inc.

Sample ID: UW-12092010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 001	Work Order #....:	MCAHT1AC	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/17/10	Analysis Date....:	12/19/10	Volume....:	941.06
Prep Batch #:	0351286	Instrument ID....:	M01	Method....:	SW846 6020
Initial Wgt/Vol....:	0.08333 L	Analyst ID....:	Sabine Hargrave		

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.0012	B	0.0026	0.00052	ug/m3
Manganese	3.56	J	0.00128	0.000181	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: DW-12092010B

Trace Level Compounds

Lot - Sample #....: G0L140439 - 004 Work Order #....: MCAH01AC Matrix....: AA
Date Sampled....: 12/09/10 Date Received....: 12/14/10 Dilution Factor....: 1
Prep Date....: 12/17/10 Analysis Date....: 12/19/10 Volume....: 927.66
Prep Batch #: 0351286 Instrument ID....: M01 Method....: SW846 6020
Initial Wgt/Vol....: 0.08333 L Analyst ID....: Sabine Hargrave

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.00071	B	0.0026	0.00053	ug/m3
Manganese	0.727	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-12102010B

Trace Level Compounds

Lot - Sample #....: G0L140439 - 007 Work Order #....: MCAH61AC Matrix....: AA
Date Sampled....: 12/10/10 Date Received....: 12/14/10 Dilution Factor....: 1
Prep Date....: 12/17/10 Analysis Date....: 12/19/10 Volume....: 887.92
Prep Batch #: 0351286 Instrument ID....: M01 Method....: SW846 6020
Initial Wgt/Vol....: 0.08333 L Analyst ID....: Sabine Hargrave

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.0011	B	0.0027	0.00055	ug/m3
Manganese	2.85	J	0.00135	0.000191	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: DW-12102010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 010	Work Order #....:	MCAJA1AC	Matrix....:	AA
Date Sampled....:	12/10/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/17/10	Analysis Date....:	12/19/10	Volume....:	891.3
Prep Batch #:	0351286	Instrument ID....:	M01	Method....:	SW846 6020
Initial Wgt/Vol....:	0.08333 L	Analyst ID....:	Sabine Hargrave		

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.00075	B	0.0027	0.00055	ug/m3
Manganese	0.465	J	0.00135	0.000191	ug/m3

QUALIFIERS

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

QC DATA ASSOCIATION SUMMARY

G0L140439

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	SW846 6020		0351286	
004	AA	SW846 6020		0351286	
007	AA	SW846 6020		0351286	
010	AA	SW846 6020		0351286	

Method Blank Report

Trace Level Compounds

Lot - Sample #....: G0L170000 - 286B Work Order #....: MCHWR1AA Matrix....: AIR
Date Sampled....: 12/09/10 Date Received....: 12/14/10 Dilution Factor....: 1
Prep Date....: 12/17/10 Analysis Date....: 12/19/10 Volume....: 0
Prep Batch #: 0351286 Instrument ID....: M01 Method....: SW846 6020
Initial Wgt/Vol....: 0.08333 L Analyst ID....: Sabine Hargrave

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	ND	2.4	0.49	ug
Manganese	0.27 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 # ...: G0L140439	Work Order # ...: MCHWR1AD-LCS	Matrix : AIR
LCS Lot-Sample# : G0L170000 - 286	MCHWR1AE-LCSD	
Prep Date : 12/17/10	Analysis Date ..: 12/19/10	
Prep Batch # ...: 0351286		
Dilution Factor : 1		
Analyst ID.....: Sabine Hargrave	Instrument ID.: M01	Method.....: SW846 6020
Initial Wgt/Vol: 0.08333 L		

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>
Arsenic	240	226	ug	94	(86 - 110)		
	240	222	ug	93	(86 - 110)	1.4	(0 - 15)
Manganese	240	228	ug	95	(88 - 110)		
	240	224	ug	93	(88 - 110)	1.6	(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: UW-12092010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 001	Work Order #....:	MCAHT1AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/14/10	Analysis Date....:	12/21/10	Volume....:	941.06
Prep Batch #:	0355294	Instrument ID....:	QA-045	Method....:	CFR50B APDX B
Initial Wgt/Vol....:	0	Analyst ID....:	Thep Phomsopha		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000777	0.000000531	--	g/m3

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12092010B

Trace Level Compounds

Lot - Sample #....:	G0L140439 - 004	Work Order #....:	MCAH01AA	Matrix....:	AA
Date Sampled....:	12/09/10	Date Received....:	12/14/10	Dilution Factor....:	1
Prep Date....:	12/14/10	Analysis Date....:	12/21/10	Volume....:	927.66
Prep Batch #:	0355294	Instrument ID....:	QA-045	Method....:	CFR50B APDX B
Initial Wgt/Vol....:		Analyst ID....:	Thep Phomsopha		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000519	0.000000539	--	g/m3

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: UW-12102010B

Trace Level Compounds

Lot - Sample #....: GOL140439 - 007 Work Order #....: MCAH61AA Matrix....: AA
Date Sampled....: 12/10/10 Date Received....: 12/14/10 Dilution Factor....: 1
Prep Date....: 12/14/10 Analysis Date....: 12/21/10 Volume....: 887.92
Prep Batch #: 0355294 Instrument ID....: QA-045 Method....: CFR50B APDX B
Initial Wgt/Vol....: Analyst ID....: Thep Phomsopha

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000732	0.000000563	--	g/m3

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12102010B

Trace Level Compounds

Lot - Sample #....: G0L140439 - 010 Work Order #....: MCAJA1AA Matrix....: AA
Date Sampled....: 12/10/10 Date Received....: 12/14/10 Dilution Factor....: 1
Prep Date....: 12/14/10 Analysis Date....: 12/21/10 Volume....: 891.3
Prep Batch #: 0355294 Instrument ID....: QA-045 Method....: CFR50B APDX B
Initial Wgt/Vol....: Analyst ID....: Thep Phomsopha

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000556	0.000000561	--	g/m3

QUALIFIERS

QC DATA ASSOCIATION SUMMARY

G0L140439

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	CFR50B APDX B		0355294	
004	AA	CFR50B APDX B		0355294	
007	AA	CFR50B APDX B		0355294	
010	AA	CFR50B APDX B		0355294	

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

Instrument: SV5 _____

ICAL Date: 10/02/10 _____

DFTPP ID: DFT1216

Initiator/Date: KT-12/21/10 _____

Standard ID: HSL1216

Reviewer/Date: *W. J. 12/21/10*

NCM #: _____

I: 8270C Criteria

	Initiated	Reviewed
Log Book page included.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV compared to correct ICAL.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tune documentation is present and meets criteria.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manual re-integrations are checked, initialed and hardcopies included.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention time correct for Isomers and all other analytes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV Internal Standards are within 50-200% of ICAL mid-point.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Samples analyzed within 12 hours of Tune time.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tailing and degradation criteria are met.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spot check manual integrations in Target. Analyte checked: <i>Indeno(1,2,3-cd)pyrene</i>	NA	<input checked="" type="checkbox"/>
Non-CCC \leq 50% D	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2,4-Dinitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorocyclopentadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

	Initiated	Reviewed		Initiated	Reviewed
Phenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Acenaphthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1,4-Dichlorobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N-nitrosodiphenylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pentachlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4-Dinitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Flouranthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorobutadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Di-n-octyl phthalate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4-Chloro-3-methylphenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Benzo(a)pyrene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4,6-Trichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

IV: AFCEE 3.1 and 4.0 QAPP Criteria

	Initiated	Reviewed
All analytes in CCV +/- 20%D compared to ICAL.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV and Sample Internal Standards are within 50-200% of ICAL mid-point.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Are the compounds which required manual integrations documented in the MI spreadsheet?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

V: DOD QSM V3 Criteria

	Initiated	Reviewed
For 8270, CCCs must be $\leq 20\%$ D.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RRFs for SPCCs must meet minimum response factor criteria	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV and sample Internal Standards are within 50-200% of ICAL mid-point.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SIM: All analytes must be $\leq 20\%$	<input type="checkbox"/> NA	<input checked="" type="checkbox"/>
Are the compounds which required manual integrations documented in the MI spreadsheet?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 : 121610.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
16-DEC-2010	17:06	KT	PRIMER	|QC1216.D	NA	NA	NA		
16-DEC-2010	17:29	KT	|DFTPP 50ug/ml	|DFT1216.D	NA	NA	NA		
16-DEC-2010	17:49	KT	|HSL_050 ug/ml CS-4	|HSL1216.D	NA	NA	NA		
16-DEC-2010	18:14	KT	|AP9_050 ug/ml CS-4	|AP91216.D	NA	NA	NA		
16-DEC-2010	18:41	KT	|MCEK71AA GOL150000-401B	|S121601.D	1000 Sa	1 mL	1	JZ	
16-DEC-2010	19:05	KT	|MCEK71AC GOL150000-401C	|S121602.D	1000 Sa	1 mL	1	JZ	
16-DEC-2010	19:30	KT	|MCEK71AD GOL150000-401L	|S121603.D	1000 Sa	1 mL	1	JZ	
16-DEC-2010	19:54	KT	|MCAHX1AA GOL140439-3	|S121604.D	1000 Sa	1 mL	1	JZ	
16-DEC-2010	20:19	KT	|MCAH41AA GOL140439-6	|S121605.D	1000 Sa	1 mL	1	JZ	
16-DEC-2010	20:43	KT	|MCAH91AA GOL140439-9	|S121606.D	1000 Sa	1 mL	1	JZ	
16-DEC-2010	21:08	KT	|MCAJE1AA GOL140439-12	|S121607.D	1000 Sa	1 mL	1	JZ	
16-DEC-2010	21:32	KT	|MCCX11AA GOL140000-440B	|S121608.D	1000 Sa	1 mL	1	QL	
16-DEC-2010	21:57	KT	|MCCX11AE GOL140000-440B	|S121609.D	1000 Sa	1 mL	1	QL	
16-DEC-2010	22:21	KT	|MCCX11AC GOL140000-440C	|S121610.D	1000 Sa	1 mL	1	QL	
16-DEC-2010	22:46	KT	|MCCX11AD GOL140000-440L	|S121611.D	1000 Sa	1 mL	1	QL	
16-DEC-2010	23:10	KT	|MABL71AA GOL110478-1	|S121612.D	1000 Sa	1 mL	1	QL	
16-DEC-2010	23:35	KT	|MABL81AA GOL110478-2	|S121613.D	1000 Sa	1 mL	1	QL	
16-DEC-2010	23:59	KT	|MABMA1AA GOL110478-4	|S121614.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	00:24	KT	|MABMC1AA GOL110478-5	|S121615.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	00:48	KT	|MABME1AA GOL110479-1	|S121616.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	01:13	KT	|MABMF1AA GOL110479-2	|S121617.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	01:37	KT	|MABML1AA GOL110479-7	|S121618.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	02:02	KT	|MABMM1AA GOL110479-8	|S121619.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	02:26	KT	|MABMP1AA GOL110479-10	|S121620.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	02:51	KT	|MABMQ1AA GOL110479-11	|S121621.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	03:15	KT	|MABMT1AA GOL110479-13	|S121622.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	03:40	KT	|MABMV1AA GOL110479-14	|S121623.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	04:04	KT	|MABMX1AA GOL110479-16	|S121624.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	04:29	KT	|MABMO1AA GOL110479-17	|S121625.D	1000 Sa	1 mL	1	QL	
17-DEC-2010	04:53	KT	|MABM31AA GOL110479-20	|S121626.D	1000 Sa	1 mL	1	QL	

TestAmerica West Sacramento
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 16-DEC-2010 17:49
 Lab File ID: HSL1216.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\121610.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 2-Fluorophenol	1.40992	1.35080	1.35080	0.010	-4.19311	50.00000	Averaged
8 Phenol-d5	1.77296	1.71127	1.71127	0.010	-3.47977	50.00000	Averaged
9 2-Chlorophenol-d4	1.55698	1.50683	1.50683	0.010	-3.22128	50.00000	Averaged
10 1,2-Dichlorobenzene-d4	0.98513	0.96746	0.96746	0.010	-1.79323	50.00000	Averaged
11 Nitrobenzene-d5	0.33879	0.34602	0.34602	0.010	2.13136	50.00000	Averaged
12 2-Fluorobiphenyl	1.28852	1.33937	1.33937	0.010	3.94650	50.00000	Averaged
13 2,4,6-Tribromophenol	0.17381	0.20157	0.20157	0.010	15.96746	50.00000	Averaged
14 Terphenyl-di4	0.78789	0.80728	0.80728	0.010	2.46094	50.00000	Averaged
15 N-Nitrosodimethylamine	0.92154	0.91400	0.91400	0.010	-0.81837	50.00000	Averaged
16 Pyridine	1.54111	1.35363	1.35363	0.010	-12.16510	50.00000	Averaged
23 Aniline	2.25673	2.17180	2.17180	0.010	-3.76347	50.00000	Averaged
24 Phenol	2.03729	1.95652	1.95652	0.010	-3.96448	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.42859	1.39525	1.39525	0.010	-2.33372	50.00000	Averaged
27 2-Chlorophenol	1.56381	1.50032	1.50032	0.010	-4.05980	50.00000	Averaged
28 1,3-Dichlorobenzene	1.70337	1.65155	1.65155	0.010	-3.04245	50.00000	Averaged
29 1,4-Dichlorobenzene	1.78118	1.73889	1.73889	0.010	-2.37403	20.00000	Averaged
30 Benzyl Alcohol	1.05101	0.98736	0.98736	0.010	-6.05625	50.00000	Averaged
31 1,2-Dichlorobenzene	1.63746	1.64485	1.64485	0.010	0.45102	50.00000	Averaged
32 2-Methylphenol	1.43012	1.37858	1.37858	0.010	-3.60390	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.27365	2.19072	2.19072	0.010	-3.64734	50.00000	Averaged
34 4-Methylphenol	1.51904	1.41714	1.41714	0.010	-6.70832	50.00000	Averaged
36 Hexachloroethane	0.60636	0.62083	0.62083	0.010	2.38633	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.01180	0.96909	0.96909	0.050	-4.22126	50.00000	Averaged
42 Nitrobenzene	0.33116	0.33401	0.33401	0.010	0.86015	50.00000	Averaged
44 Isophorone	0.63679	0.62025	0.62025	0.010	-2.59707	50.00000	Averaged
45 2-Nitrophenol	0.19648	0.20027	0.20027	0.010	1.93068	20.00000	Averaged
46 2,4-Dimethylphenol	0.34911	0.35487	0.35487	0.010	1.64943	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.38908	0.38669	0.38669	0.010	-0.61485	50.00000	Averaged
49 2,4-Dichlorophenol	0.27010	0.27196	0.27196	0.010	0.68680	20.00000	Averaged
50 Benzoic Acid	0.19324	0.19321	0.19321	0.010	-0.01682	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.29246	0.30057	0.30057	0.010	2.77358	50.00000	Averaged
52 Naphthalene	1.10443	1.12339	1.12339	0.010	1.71744	50.00000	Averaged
54 4-Chloroaniline	0.43288	0.44750	0.44750	0.010	3.37813	50.00000	Averaged
57 Hexachlorobutadiene	0.14313	0.15996	0.15996	0.010	11.76170	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30164	0.31668	0.31668	0.010	4.98643	20.00000	Averaged
63 2-Methylnaphthalene	0.69378	0.71693	0.71693	0.010	3.33787	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29846	0.29777	0.29777	0.050	-0.22867	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.31913	0.33574	0.33574	0.010	5.20352	20.00000	Averaged
70 2,4,5-Trichlorophenol	0.34380	0.36480	0.36480	0.010	6.10927	50.00000	Averaged
71 2-Chloronaphthalene	1.12571	1.15971	1.15971	0.010	3.02033	50.00000	Averaged
73 2-Nitroaniline	0.34119	0.35535	0.35535	0.010	4.15147	50.00000	Averaged
76 Dimethylphthalate	1.29606	1.38514	1.38514	0.010	6.87290	50.00000	Averaged

Manual calculation for Indeno(1,2,3-cd)pyrene :

$$\frac{387422}{321657} \times \frac{40}{50} = 0.96356 \quad \text{by 12/21/10}$$

12/21/10

TestAmerica West Sacramento
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 16-DEC-2010 17:49
 Lab File ID: HSL1216.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\121610.B\8270f.m

COMPOUND	RF50		MIN		MAX		CURVE TYPE
	RRF / AMOUNT	RF50	RRF50	RRF %D / %DRIFT	%D / %DRIFT		
| 77 Acenaphthylene	| 1.96037|	| 1.97455|	| 1.97455|	| 0.010|	| 0.72340|	| 50.00000|	| Averaged|
| 79 2,6-Dinitrotoluene	| 0.30197|	| 0.32215|	| 0.32215|	| 0.010|	| 6.68285|	| 50.00000|	| Averaged|
| 80 3-Nitroaniline	| 0.37691|	| 0.41064|	| 0.41064|	| 0.010|	| 8.94907|	| 50.00000|	| Averaged|
| 81 Acenaphthene	| 1.24787|	| 1.31017|	| 1.31017|	| 0.010|	| 4.99270|	| 20.00000|	| Averaged|
| 82 2,4-Dinitrophenol	| 50.00000|	| 51.71379|	| 0.18403|	| 0.050|	| 3.42757|	| 0.000e+000|	| Quadratic|
| 83 Dibenzofuran	| 1.65612|	| 1.67665|	| 1.67665|	| 0.010|	| 1.23951|	| 50.00000|	| Averaged|
| 84 4-Nitrophenol	| 0.15634|	| 0.18037|	| 0.18037|	| 0.050|	| 15.36889|	| 50.00000|	| Averaged|
| 86 2,4-Dinitrotoluene	| 0.39633|	| 0.43532|	| 0.43532|	| 0.010|	| 9.83781|	| 50.00000|	| Averaged|
| 91 Fluorene	| 1.37139|	| 1.41959|	| 1.41959|	| 0.010|	| 3.51462|	| 50.00000|	| Averaged|
| 92 Diethylphthalate	| 1.32699|	| 1.44244|	| 1.44244|	| 0.010|	| 8.69963|	| 50.00000|	| Averaged|
| 93 4-Chlorophenyl-phenylether	| 0.57019|	| 0.61268|	| 0.61268|	| 0.010|	| 7.45266|	| 50.00000|	| Averaged|
| 94 4-Nitroaniline	| 0.37361|	| 0.39648|	| 0.39648|	| 0.010|	| 6.12016|	| 50.00000|	| Averaged|
| 97 4,6-Dinitro-2-methylphenol	| 50.00000|	| 50.60497|	| 0.14418|	| 0.010|	| 1.20994|	| 0.000e+000|	| Linear|
| 98 N-Nitrosodiphenylamine	| 0.60628|	| 0.63436|	| 0.63436|	| 0.010|	| 4.63038|	| 20.00000|	| Averaged|
| 100 Azobenzene	| 0.78660|	| 0.78435|	| 0.78435|	| 0.010|	| -0.28595|	| 50.00000|	| Averaged|
| 101 4-Bromophenyl-phenylether	| 0.19527|	| 0.21393|	| 0.21393|	| 0.010|	| 9.55871|	| 50.00000|	| Averaged|
| 108 Hexachlorobenzene	| 0.21807|	| 0.23694|	| 0.23694|	| 0.010|	| 8.65535|	| 50.00000|	| Averaged|
| 110 Pentachlorophenol	| 50.00000|	| 43.34389|	| 0.11133|	| 0.010|	| -13.31223|	| 0.000e+000|	| Linear|
| 114 Phenanthrene	| 1.26074|	| 1.29751|	| 1.29751|	| 0.010|	| 2.91639|	| 50.00000|	| Averaged|
| 115 Anthracene	| 1.25955|	| 1.30538|	| 1.30538|	| 0.010|	| 3.63867|	| 50.00000|	| Averaged|
| 118 Carbazole	| 1.15061|	| 1.20659|	| 1.20659|	| 0.010|	| 4.86533|	| 50.00000|	| Averaged|
| 120 Di-n-Butylphthalate	| 1.38442|	| 1.46761|	| 1.46761|	| 0.010|	| 6.00945|	| 50.00000|	| Averaged|
| 126 Fluoranthene	| 1.12969|	| 1.20042|	| 1.20042|	| 0.010|	| 6.26134|	| 20.00000|	| Averaged|
| 127 Benzidine	| 0.81067|	| 0.83339|	| 0.83339|	| 0.010|	| 2.80193|	| 50.00000|	| Averaged|
| 128 Pyrene	| 1.25025|	| 1.26527|	| 1.26527|	| 0.010|	| 1.20069|	| 50.00000|	| Averaged|
| 134 3,3'-dimethylbenzidine	| 0.71564|	| 0.69815|	| 0.69815|	| 0.010|	| -2.44420|	| 50.00000|	| Averaged|
| 136 Butylbenzylphthalate	| 0.62663|	| 0.63711|	| 0.63711|	| 0.010|	| 1.67167|	| 50.00000|	| Averaged|
| 138 Benzo(a)Anthracene	| 1.06548|	| 1.10266|	| 1.10266|	| 0.010|	| 3.49015|	| 50.00000|	| Averaged|
| 139 Chrysene	| 1.08994|	| 1.09988|	| 1.09988|	| 0.010|	| 0.91262|	| 50.00000|	| Averaged|
| 140 3,3'-Dichlorobenzidine	| 0.40189|	| 0.41866|	| 0.41866|	| 0.010|	| 4.17183|	| 50.00000|	| Averaged|
| 141 bis(2-ethylhexyl)Phthalate	| 0.86316|	| 0.87559|	| 0.87559|	| 0.010|	| 1.44020|	| 50.00000|	| Averaged|
| 142 Di-n-octylphthalate	| 1.37975|	| 1.47986|	| 1.47986|	| 0.010|	| 7.25563|	| 20.00000|	| Averaged|
| 144 Benzo(b)fluoranthene	| 0.90549|	| 1.00164|	| 1.00164|	| 0.010|	| 10.61806|	| 50.00000|	| Averaged|
| 145 Benzo(k)fluoranthene	| 1.16236|	| 1.14633|	| 1.14633|	| 0.010|	| -1.37882|	| 50.00000|	| Averaged|
| 147 Benzo(e)pyrene	| 0.94425|	| 0.99541|	| 0.99541|	| 0.010|	| 5.41820|	| 50.00000|	| Averaged|
| 148 Benzo(a)pyrene	| 1.02655|	| 1.06766|	| 1.06766|	| 0.010|	| 4.00489|	| 20.00000|	| Averaged|
| 151 Indeno(1,2,3-cd)pyrene	| 0.83029|	| 0.96356|	| 0.96356|	| 0.010|	| 16.05128|	| 50.00000|	| Averaged|
| 152 Dibenzo(a,h)anthracene	| 0.92758|	| 1.01700|	| 1.01700|	| 0.010|	| 9.64079|	| 50.00000|	| Averaged|
| 153 Benzo(g,h,i)perylene	| 1.00427|	| 1.10582|	| 1.10582|	| 0.010|	| 10.11209|	| 50.00000|	| Averaged|
| M 162 benzo b,k Fluoranthene Tota	| 2.06785|	| 2.14797|	| 2.14797|	| 0.010|	| 3.87449|	| 50.00000|	| Averaged|

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\121610.B\HSL1216.D
 Lab Smp Id: HSL 050 ug/ml CS-4 Client Smp ID: 8270F.M
 Inj Date : 16-DEC-2010 17:49
 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\121610.B\8270f.m
 Meth Date : 17-Dec-2010 13:07 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: SV5

Compounds	QUANT	SIG	AMOUNTS				ON-COL
			CAL-AMT	REL RT	RESPONSE	(NG)	
	MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(NG)
* 1 1,4-Dichlorobenzene-d4	152	3.459	3.459	(1.000)	82498	40.0000	
* 2 Naphthalene-d8	136	4.869	4.869	(1.000)	341765	40.0000	
* 3 Acenaphthene-d10	164	6.952	6.952	(1.000)	183092	40.0000	
* 4 Phenanthrene-d10	188	8.796	8.796	(1.000)	302007	40.0000	
* 5 Chrysene-d12	240	13.066	13.066	(1.000)	321175	40.0000	
* 6 Perylene-d12	264	15.418	15.418	(1.000)	321657	40.0000	
\$ 7 2-Fluorophenol	112	2.257	2.257	(0.653)	139298	50.0000	47.90
\$ 8 Phenol-d5	99	3.149	3.149	(0.910)	176470	50.0000	48.26
\$ 9 2-Chlorophenol-d4	132	3.263	3.263	(0.943)	155388	50.0000	48.39
\$ 10 1,2-Dichlorobenzene-d4	152	3.656	3.656	(1.057)	99767	50.0000	49.10
\$ 11 Nitrobenzene-d5	82	4.092	4.092	(0.840)	147820	50.0000	51.06
\$ 12 2-Fluorobiphenyl	172	6.175	6.175	(0.888)	306536	50.0000	51.97
\$ 13 2,4,6-Tribromophenol	330	7.926	7.926	(1.140)	46132	50.0000	57.98
\$ 14 Terphenyl-d14	244	11.346	11.346	(0.868)	324099	50.0000	51.23
15 N-Nitrosodimethylamine	74	1.231	1.231	(0.356)	94254	50.0000	49.59
16 Pyridine	79	1.252	1.252	(0.362)	139590	50.0000	43.92
23 Aniline	93	3.169	3.169	(0.916)	223961	50.0000	48.12
24 Phenol	94	3.159	3.159	(0.913)	201761	50.0000	48.02
26 Bis(2-chloroethyl) ether	93	3.232	3.232	(0.934)	143882	50.0000	48.83
27 2-Chlorophenol	128	3.273	3.273	(0.946)	154717	50.0000	47.97
28 1,3-Dichlorobenzene	146	3.418	3.418	(0.988)	170312	50.0000	48.48
29 1,4-Dichlorobenzene	146	3.470	3.470	(1.003)	179319	50.0000	48.81
30 Benzyl Alcohol	108	3.636	3.636	(1.051)	101819	50.0000	46.97
31 1,2-Dichlorobenzene	146	3.677	3.677	(1.063)	169621	50.0000	50.22
32 2-Methylphenol	108	3.791	3.791	(1.096)	142163	50.0000	48.20
33 2,2'-oxybis(1-Chloropropane)	45	3.812	3.812	(1.102)	225913	50.0000	48.18
34 4-Methylphenol	108	3.957	3.957	(1.144)	146139	50.0000	46.64
36 Hexachloroethane	117	3.998	3.998	(1.156)	64022	50.0000	51.19
37 N-Nitrosodinpropylamine	70	3.957	3.957	(1.144)	99935	50.0000	47.89
42 Nitrobenzene	77	4.102	4.102	(0.843)	142692	50.0000	50.43
44 Isophorone	82	4.371	4.371	(0.898)	264975	50.0000	48.70
45 2-Nitrophenol	139	4.465	4.465	(0.917)	85557	50.0000	50.96
46 2,4-Dimethylphenol	107	4.548	4.548	(0.934)	151604	50.0000	50.82

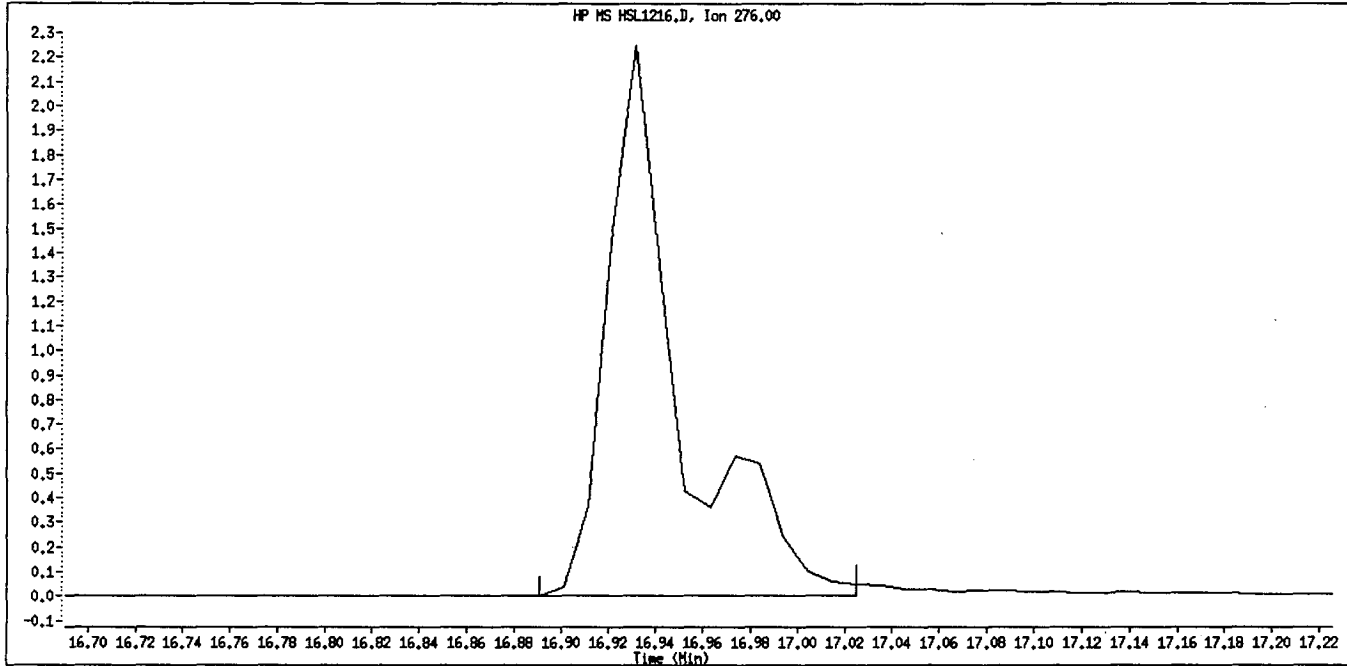
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	4.651	4.651	(0.955)	165197	50.0000	49.69
49 2,4-Dichlorophenol	162	4.734	4.734	(0.972)	116181	50.0000	50.34
50 Benzoic Acid	122	4.662	4.662	(0.957)	82540	50.0000	49.99
51 1,2,4-Trichlorobenzene	180	4.827	4.827	(0.991)	128404	50.0000	51.39
52 Naphthalene	128	4.890	4.890	(1.004)	479921	50.0000	50.86
54 4-Chloroaniline	127	5.004	5.004	(1.028)	191174	50.0000	51.69
57 Hexachlorobutadiene	225	5.118	5.118	(1.051)	68336	50.0000	55.88
60 4-Chloro-3-Methylphenol	107	5.605	5.605	(1.151)	135286	50.0000	52.49
63 2-Methylnaphthalene	142	5.698	5.698	(1.170)	306278	50.0000	51.67
66 Hexachlorocyclopentadiene	237	5.978	5.978	(0.860)	68150	50.0000	49.88
69 2,4,6-Trichlorophenol	196	6.092	6.092	(0.876)	76839	50.0000	52.60
70 2,4,5-Trichlorophenol	196	6.133	6.133	(0.882)	83491	50.0000	53.05
71 2-Chloronaphthalene	162	6.268	6.268	(0.902)	265417	50.0000	51.51
73 2-Nitroaniline	65	6.454	6.454	(0.928)	81327	50.0000	52.08
76 Dimethylphthalate	163	6.734	6.734	(0.969)	317010	50.0000	53.44
77 Acenaphthylene	152	6.765	6.765	(0.973)	451905	50.0000	50.36
79 2,6-Dinitrotoluene	165	6.807	6.807	(0.979)	73728	50.0000	53.34
80 3-Nitroaniline	138	6.952	6.952	(1.000)	93980	50.0000	54.47
81 Acenaphthene	153	6.993	6.993	(1.006)	299852	50.0000	52.50
82 2,4-Dinitrophenol	184	7.076	7.076	(1.018)	42117	50.0000	51.71
83 Dibenzofuran	168	7.180	7.180	(1.033)	383726	50.0000	50.62
84 4-Nitrophenol	109	7.211	7.211	(1.037)	41280	50.0000	57.68
86 2,4-Dinitrotoluene	165	7.263	7.263	(1.045)	99630	50.0000	54.92
91 Fluorene	166	7.594	7.594	(1.092)	324895	50.0000	51.76
92 Diethylphthalate	149	7.594	7.594	(1.092)	330123	50.0000	54.35
93 4-Chlorophenyl-phenylether	204	7.625	7.625	(1.097)	140222	50.0000	53.73
94 4-Nitroaniline	138	7.688	7.688	(1.106)	90740	50.0000	53.06
97 4,6-Dinitro-2-methylphenol	198	7.750	7.750	(0.881)	54430	50.0000	50.60
98 N-Nitrosodiphenylamine	169	7.781	7.781	(0.885)	280665	58.6000	61.31
100 Azobenzene	77	7.812	7.812	(0.888)	296100	50.0000	49.86 (H)
101 4-Bromophenyl-phenylether	248	8.237	8.237	(0.936)	80761	50.0000	54.78
108 Hexachlorobenzene	284	8.403	8.403	(0.955)	89447	50.0000	54.33
110 Pentachlorophenol	266	8.651	8.651	(0.984)	42029	50.0000	43.34
114 Phenanthrene	178	8.828	8.828	(1.004)	489822	50.0000	51.46
115 Anthracene	178	8.890	8.890	(1.011)	492791	50.0000	51.82
118 Carbazole	167	9.159	9.159	(1.041)	455498	50.0000	52.43
120 Di-n-Butylphthalate	149	9.853	9.853	(1.120)	554037	50.0000	53.00
126 Fluoranthene	202	10.620	10.620	(1.207)	453170	50.0000	53.13
127 Benzidine	184	10.911	10.911	(0.835)	334579	50.0000	51.40
128 Pyrene	202	10.973	10.973	(0.840)	507965	50.0000	50.60
134 3,3'-dimethylbenzidine	212	12.185	12.185	(0.933)	280284	50.0000	48.78
136 Butylbenzylphthalate	149	12.320	12.320	(0.943)	255779	50.0000	50.84
138 Benzo (a) Anthracene	228	13.035	13.035	(0.998)	442685	50.0000	51.74
139 Chrysene	228	13.107	13.107	(1.003)	441569	50.0000	50.46
140 3,3'-Dichlorobenzidine	252	13.097	13.097	(1.002)	168078	50.0000	52.08
141 bis(2-ethylhexyl) Phthalate	149	13.449	13.449	(1.029)	351523	50.0000	50.72
142 Di-n-octylphthalate	149	14.496	14.496	(1.109)	594117	50.0000	53.63
144 Benzo (b) fluoranthene	252	14.838	14.838	(0.962)	402729	50.0000	55.31
145 Benzo (k) fluoranthene	252	14.880	14.880	(0.965)	460907	50.0000	49.31
147 Benzo (e) pyrene	252	15.253	15.253	(0.989)	400225	50.0000	52.71
148 Benzo (a) pyrene	252	15.325	15.325	(0.994)	429276	50.0000	52.00
151 Indeno (1,2,3-cd) pyrene	276	16.931	16.931	(1.098)	387420	50.0000	58.02 (M)
152 Dibenzo (a, h) anthracene	278	16.973	16.973	(1.101)	408907	50.0000	54.82
153 Benzo (g, h, i) perylene	276	17.284	17.284	(1.121)	444620	50.0000	55.06

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
=====	=====		=====	=====	=====	=====	=====	=====
M 162 benzo b,k Fluoranthene Totals	252					863636	50.0000	

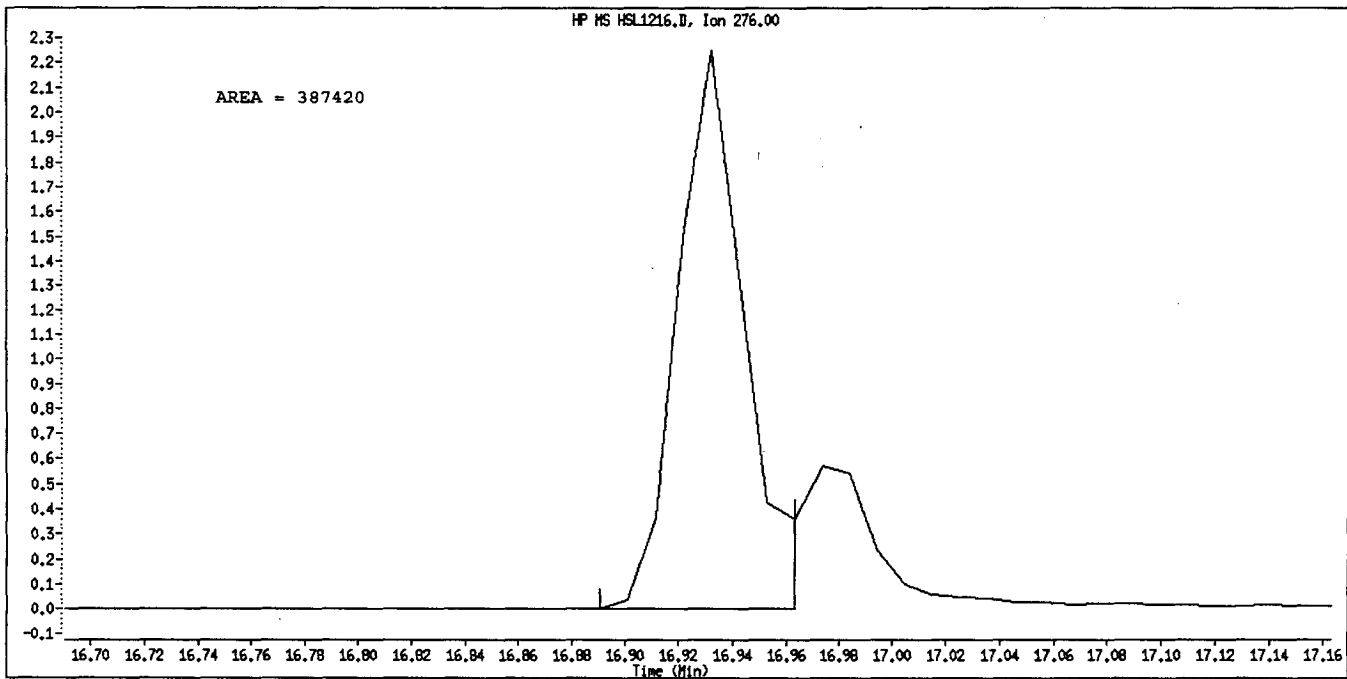
QC Flag Legend

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

Data File Name: HSL1216.D
Inj. Date and Time: 16-DEC-2010 17:49
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 12/17/2010



Original Integration



Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\121610.B\HSL1216.D
 Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
 Inj Date : 16-DEC-2010 17:49
 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\121610.B\8270f.m
 Meth Date : 16-Dec-2010 18:14 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	AMOUNTS				ON-COL
			CAL-AMT	REL RT	RESPONSE	(NG)	
* 1 1,4-Dichlorobenzene-d4	152		3.459	3.459 (1.000)	82498	40.0000	
* 2 Naphthalene-d8	136		4.869	4.869 (1.000)	341765	40.0000	
* 3 Acenaphthene-d10	164		6.952	6.952 (1.000)	183092	40.0000	
* 4 Phenanthrene-d10	188		8.796	8.796 (1.000)	302007	40.0000	
* 5 Chrysene-d12	240		13.066	13.066 (1.000)	321175	40.0000	
* 6 Perylene-d12	264		15.418	15.418 (1.000)	321657	40.0000	
\$ 7 2-Fluorophenol	112		2.257	2.257 (0.653)	139298	50.0000	47.90
\$ 8 Phenol-d5	99		3.149	3.149 (0.910)	176470	50.0000	48.26
\$ 9 2-Chlorophenol-d4	132		3.263	3.263 (0.943)	155388	50.0000	48.39
\$ 10 1,2-Dichlorobenzene-d4	152		3.656	3.656 (1.057)	99767	50.0000	49.10
\$ 11 Nitrobenzene-d5	82		4.092	4.092 (0.840)	147820	50.0000	51.06
\$ 12 2-Fluorobiphenyl	172		6.175	6.175 (0.888)	306536	50.0000	51.97
\$ 13 2,4,6-Tribromophenol	330		7.926	7.926 (1.140)	46132	50.0000	57.98
\$ 14 Terphenyl-d14	244		11.346	11.346 (0.868)	324099	50.0000	51.23
15 N-Nitrosodimethylamine	74		1.231	1.231 (0.356)	94254	50.0000	49.59
16 Pyridine	79		1.252	1.252 (0.362)	139590	50.0000	43.92
23 Aniline	93		3.169	3.169 (0.916)	223961	50.0000	48.12
24 Phenol	94		3.159	3.159 (0.913)	201761	50.0000	48.02
26 Bis(2-chloroethyl) ether	93		3.232	3.232 (0.934)	143882	50.0000	48.83
27 2-Chlorophenol	128		3.273	3.273 (0.946)	154717	50.0000	47.97
28 1,3-Dichlorobenzene	146		3.418	3.418 (0.988)	170312	50.0000	48.48
29 1,4-Dichlorobenzene	146		3.470	3.470 (1.003)	179319	50.0000	48.81
30 Benzyl Alcohol	108		3.636	3.636 (1.051)	101819	50.0000	46.97
31 1,2-Dichlorobenzene	146		3.677	3.677 (1.063)	169621	50.0000	50.22
32 2-Methylphenol	108		3.791	3.791 (1.096)	142163	50.0000	48.20
33 2,2'-oxybis(1-Chloropropane)	45		3.812	3.812 (1.102)	225913	50.0000	48.18
34 4-Methylphenol	108		3.957	3.957 (1.144)	146139	50.0000	46.64
36 Hexachloroethane	117		3.998	3.998 (1.156)	64022	50.0000	51.19
37 N-Nitrosodimethylamine	70		3.957	3.957 (1.144)	99935	50.0000	47.89
42 Nitrobenzene	77		4.102	4.102 (0.843)	142692	50.0000	50.43
44 Isophorone	82		4.371	4.371 (0.898)	264975	50.0000	48.70
45 2-Nitrophenol	139		4.465	4.465 (0.917)	85557	50.0000	50.96
46 2,4-Dimethylphenol	107		4.548	4.548 (0.934)	151604	50.0000	50.82

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	4.651	4.651	(0.955)	165197	50.0000	49.69
49 2,4-Dichlorophenol	162	4.734	4.734	(0.972)	116181	50.0000	50.34
50 Benzoic Acid	122	4.662	4.662	(0.957)	82540	50.0000	49.99
51 1,2,4-Trichlorobenzene	180	4.827	4.827	(0.991)	128404	50.0000	51.39
52 Naphthalene	128	4.890	4.890	(1.004)	479921	50.0000	50.86
54 4-Chloroaniline	127	5.004	5.004	(1.028)	191174	50.0000	51.69
57 Hexachlorobutadiene	225	5.118	5.118	(1.051)	68336	50.0000	55.88
60 4-Chloro-3-Methylphenol	107	5.605	5.605	(1.151)	135286	50.0000	52.49
63 2-Methylnaphthalene	142	5.698	5.698	(1.170)	306278	50.0000	51.67
66 Hexachlorocyclopentadiene	237	5.978	5.978	(0.860)	68150	50.0000	49.88
69 2,4,6-Trichlorophenol	196	6.092	6.092	(0.876)	76839	50.0000	52.60
70 2,4,5-Trichlorophenol	196	6.133	6.133	(0.882)	83491	50.0000	53.05
71 2-Chloronaphthalene	162	6.268	6.268	(0.902)	265417	50.0000	51.51
73 2-Nitroaniline	65	6.454	6.454	(0.928)	81327	50.0000	52.08
76 Dimethylphthalate	163	6.734	6.734	(0.969)	317010	50.0000	53.44
77 Acenaphthylene	152	6.765	6.765	(0.973)	451905	50.0000	50.36
79 2,6-Dinitrotoluene	165	6.807	6.807	(0.979)	73728	50.0000	53.34
80 3-Nitroaniline	138	6.952	6.952	(1.000)	93980	50.0000	54.47
81 Acenaphthene	153	6.993	6.993	(1.006)	299852	50.0000	52.50
82 2,4-Dinitrophenol	184	7.076	7.076	(1.018)	42117	50.0000	51.71
83 Dibenzofuran	168	7.180	7.180	(1.033)	383726	50.0000	50.62
84 4-Nitrophenol	109	7.211	7.211	(1.037)	41280	50.0000	57.68
86 2,4-Dinitrotoluene	165	7.263	7.263	(1.045)	99630	50.0000	54.92
91 Fluorene	166	7.594	7.594	(1.092)	324895	50.0000	51.76
92 Diethylphthalate	149	7.594	7.594	(1.092)	330123	50.0000	54.35
93 4-Chlorophenyl-phenylether	204	7.625	7.625	(1.097)	140222	50.0000	53.73
94 4-Nitroaniline	138	7.688	7.688	(1.106)	90740	50.0000	53.06
97 4,6-Dinitro-2-methylphenol	198	7.750	7.750	(0.881)	54430	50.0000	50.60
98 N-Nitrosodiphenylamine	169	7.781	7.781	(0.885)	280665	58.6000	61.31
100 Azobenzene	77	7.781	7.781	(0.885)	42536	50.0000	7.162
101 4-Bromophenyl-phenylether	248	8.237	8.237	(0.936)	80761	50.0000	54.78
108 Hexachlorobenzene	284	8.403	8.403	(0.955)	89447	50.0000	54.33
110 Pentachlorophenol	266	8.651	8.651	(0.984)	42029	50.0000	43.34
114 Phenanthrene	178	8.828	8.828	(1.004)	489822	50.0000	51.46
115 Anthracene	178	8.890	8.890	(1.011)	492791	50.0000	51.82
118 Carbazole	167	9.159	9.159	(1.041)	455498	50.0000	52.43
120 Di-n-Butylphthalate	149	9.853	9.853	(1.120)	554037	50.0000	53.00
126 Fluoranthene	202	10.620	10.620	(1.207)	453170	50.0000	53.13
127 Benzidine	184	10.911	10.911	(0.835)	334579	50.0000	51.40
128 Pyrene	202	10.973	10.973	(0.840)	507965	50.0000	50.60
134 3,3'-dimethylbenzidine	212	12.185	12.185	(0.933)	280284	50.0000	48.78
136 Butylbenzylphthalate	149	12.320	12.320	(0.943)	255779	50.0000	50.84
138 Benzo(a)Anthracene	228	13.035	13.035	(0.998)	442685	50.0000	51.74
139 Chrysene	228	13.107	13.107	(1.003)	441569	50.0000	50.46
140 3,3'-Dichlorobenzidine	252	13.097	13.097	(1.002)	168078	50.0000	52.08
141 bis(2-ethylhexyl) Phthalate	149	13.449	13.449	(1.029)	351523	50.0000	50.72
142 Di-n-octylphthalate	149	14.496	14.496	(1.109)	594117	50.0000	53.63
144 Benzo(b) fluoranthene	252	14.838	14.838	(0.962)	402729	50.0000	55.31
145 Benzo(k) fluoranthene	252	14.880	14.880	(0.965)	460907	50.0000	49.31
147 Benzo(e) pyrene	252	15.253	15.253	(0.989)	400225	50.0000	52.71
148 Benzo(a) pyrene	252	15.325	15.325	(0.994)	429276	50.0000	52.00
151 Indeno(1,2,3-cd) pyrene	276	16.931	16.931	(1.098)	482522	50.0000	72.27
152 Dibenzo(a,h)anthracene	278	16.973	16.973	(1.101)	408907	50.0000	54.82
153 Benzo(g,h,i) perylene	276	17.284	17.284	(1.121)	444620	50.0000	55.06

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
-----	----		----	-----	-----	-----	-----	-----
M 162 benzo b,k Fluoranthene Totals	252					863636	50.0000	51.94 (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: HSL1216.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\121610.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 15-DEC-2010
 Calibration Time: 16:26
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	82498	-32.72
2 Naphthalene-d8	530514	265257	1061028	341765	-35.58
3 Acenaphthene-d10	282538	141269	565076	183092	-35.20
4 Phenanthrene-d10	462722	231361	925444	302007	-34.73
5 Chrysene-d12	435850	217925	871700	321175	-26.31
6 Perylene-d12	422284	211142	844568	321657	-23.83

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	0.00
2 Naphthalene-d8	4.87	4.37	5.37	4.87	0.00
3 Acenaphthene-d10	6.95	6.45	7.45	6.95	0.00
4 Phenanthrene-d10	8.80	8.30	9.30	8.80	0.00
5 Chrysene-d12	13.07	12.57	13.57	13.07	0.00
6 Perylene-d12	15.42	14.92	15.92	15.42	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.

Date: 16-DEC-2010 17:49

Operator: KT

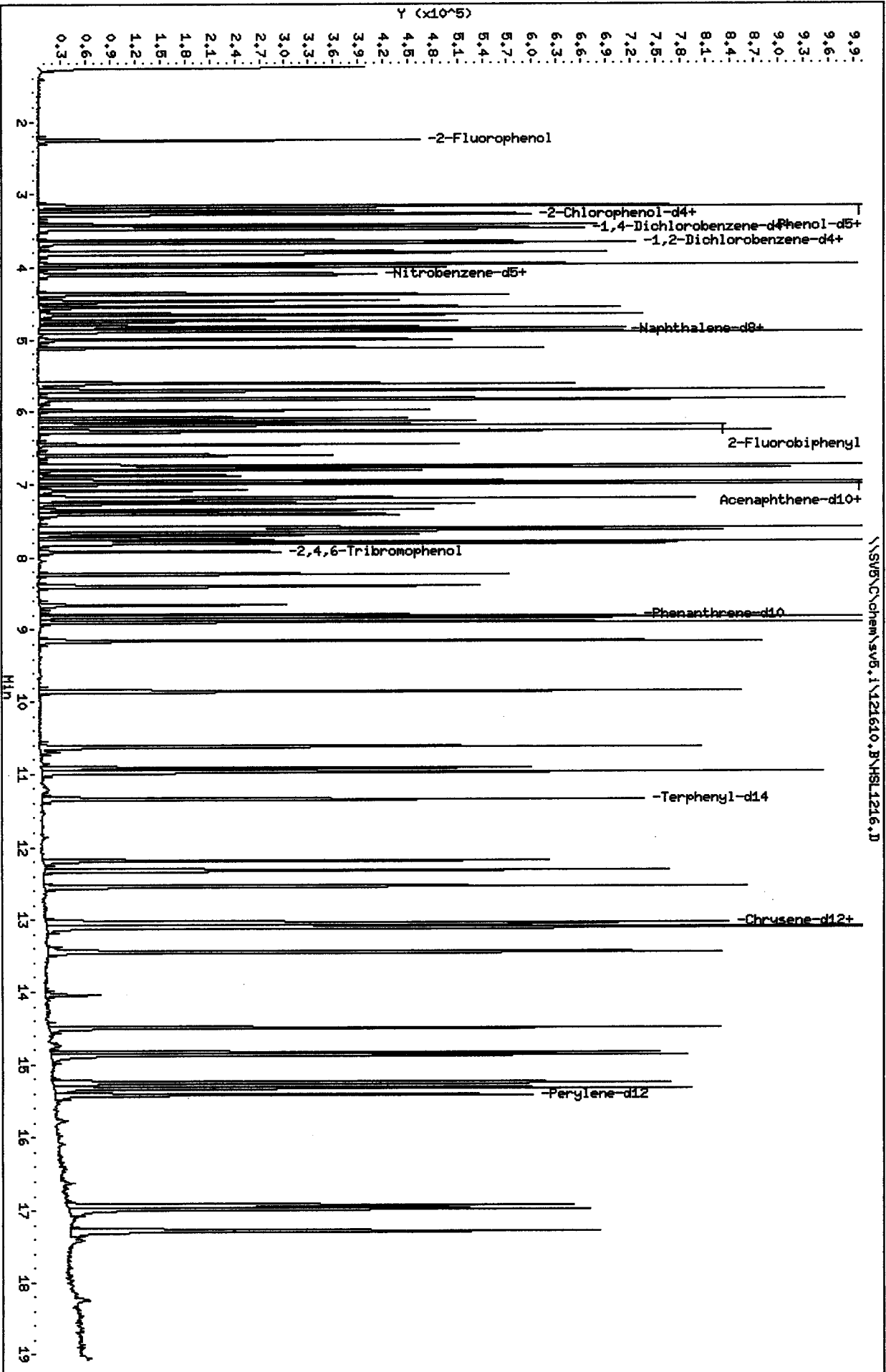
Client ID: 8270F.H

Column diameter: 2.00

Sample Info: HSL_050 ug/ml CS-41214141414

Column phase:

Column diameter: 2.00



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.8746866	5.000	PASS
Benzidine	0.3941638	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	504556	13.1	20.5	PASS

Sample //SV5/C/chem/sv5.i/121610.B/DFT1216.D/DFT1216.D

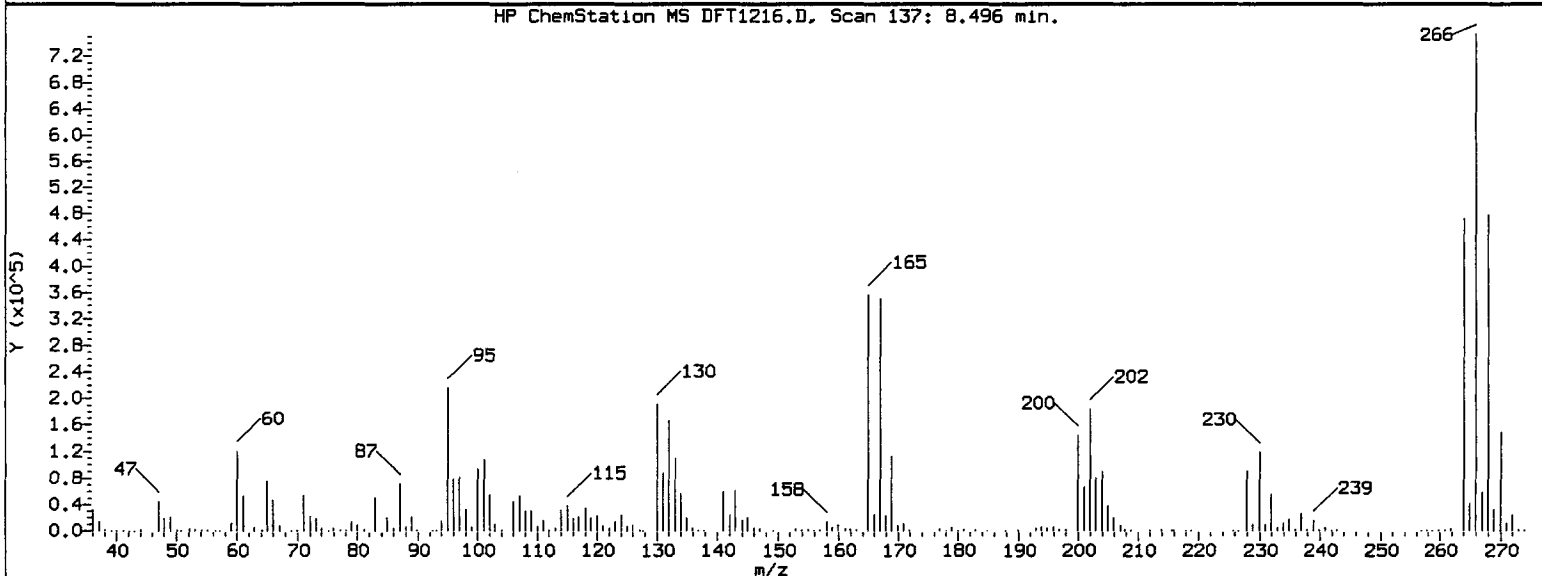
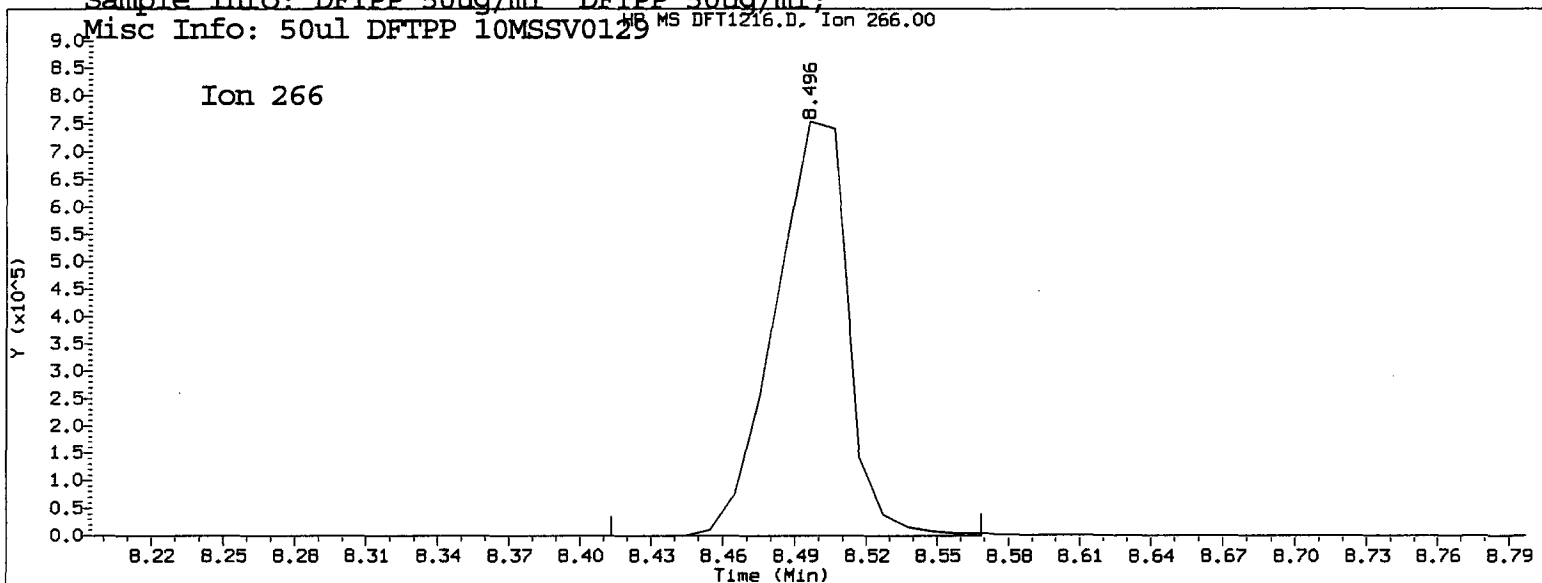
 *** PASSED ***

6
 12/21/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 12/16/2010 18:14

Datafile Analyzed: //SV5/C/chem/sv5.i/121610.B/DFT1216.D/DFT1216.D
 Method Used: \\SV5\C\chem\sv5.i\121610.B\DFTPP.M\resol.m Inst: sv5
 Injection Date: 16-DEC-2010 17:29 Operator: KT
 Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
 Misc Info: 50ul DFTPP 10MSSV0129



Pentachlorophenol

=====
 Exp. RT = 8.631
 Found RT = 8.496

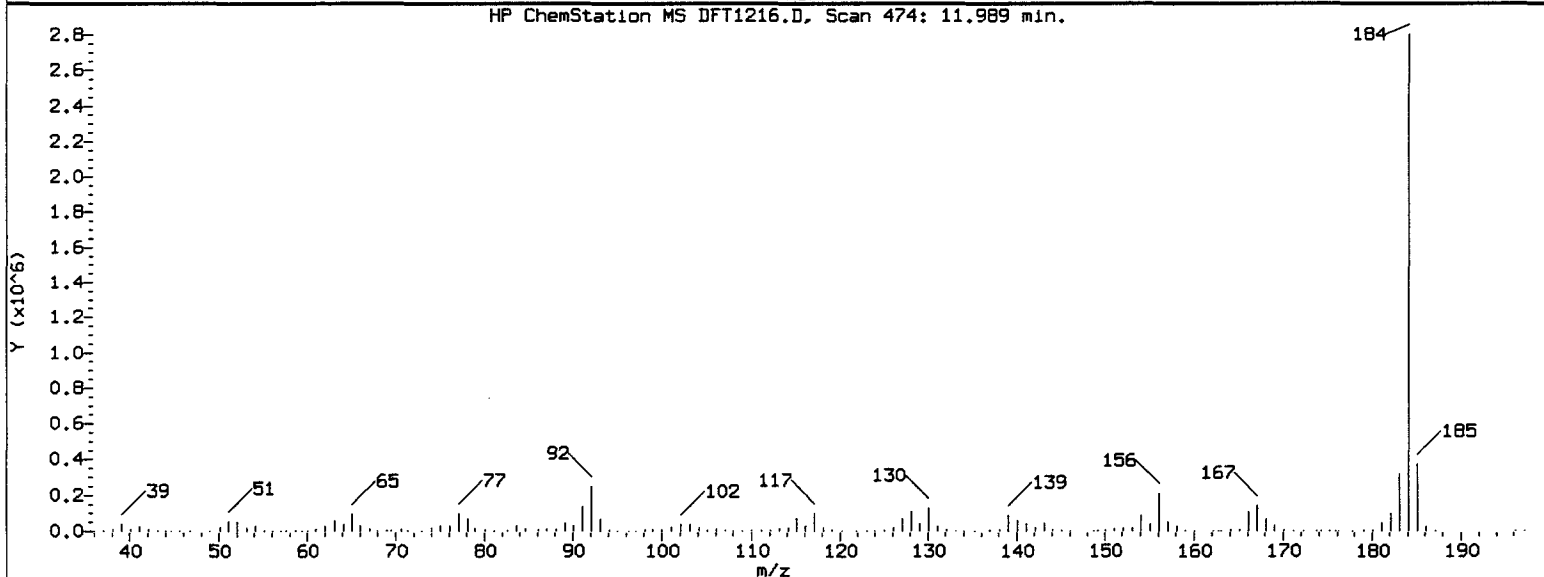
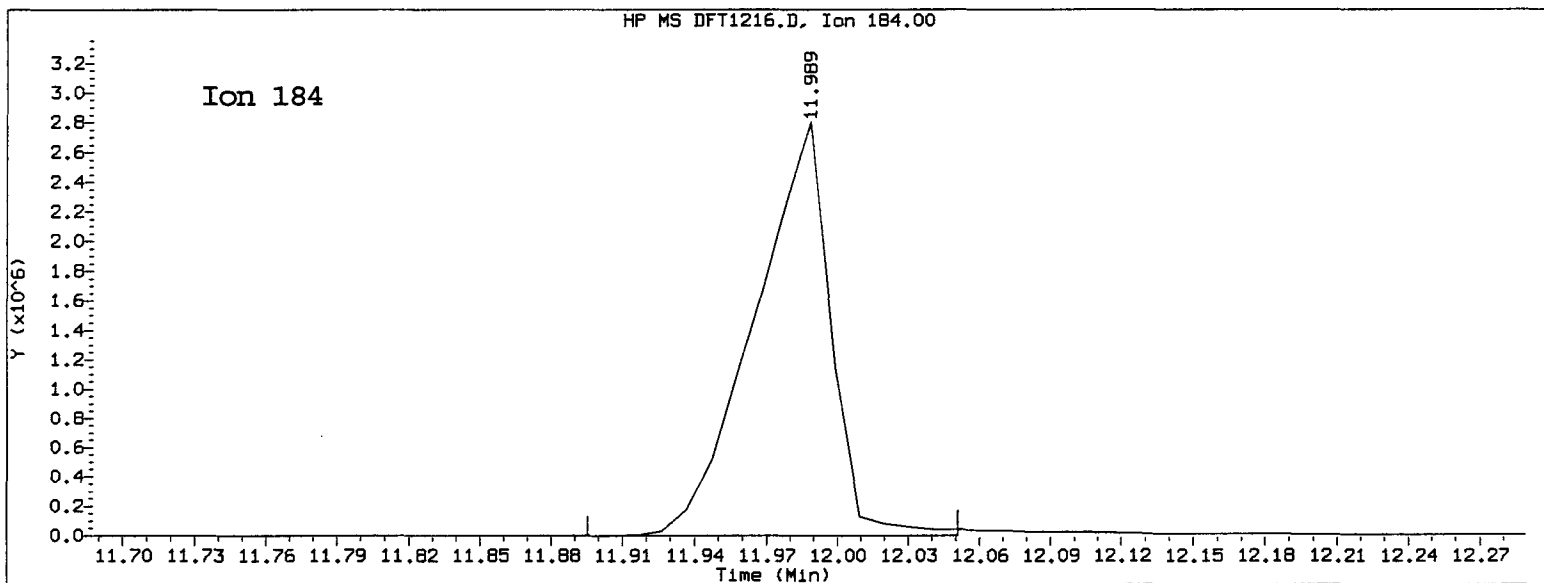
Time1 = 8.464852 Time2 = 8.4962 Time3 = 8.523619
 Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.875 Maximum Allowed = 5.0

Report Date: 12/16/2010 18:14

Datafile Analyzed: //SV5/C/chem/sv5.i/121610.B/DFT1216.D/DFT1216.D
Method Used: \\SV5\C\chem\sv5.i\121610.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 16-DEC-2010 17:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine

=====

Exp. RT = 12.113

Found RT = 11.989

Time1 = 11.9398 Time2 = 11.98853 Time3 = 12.00774

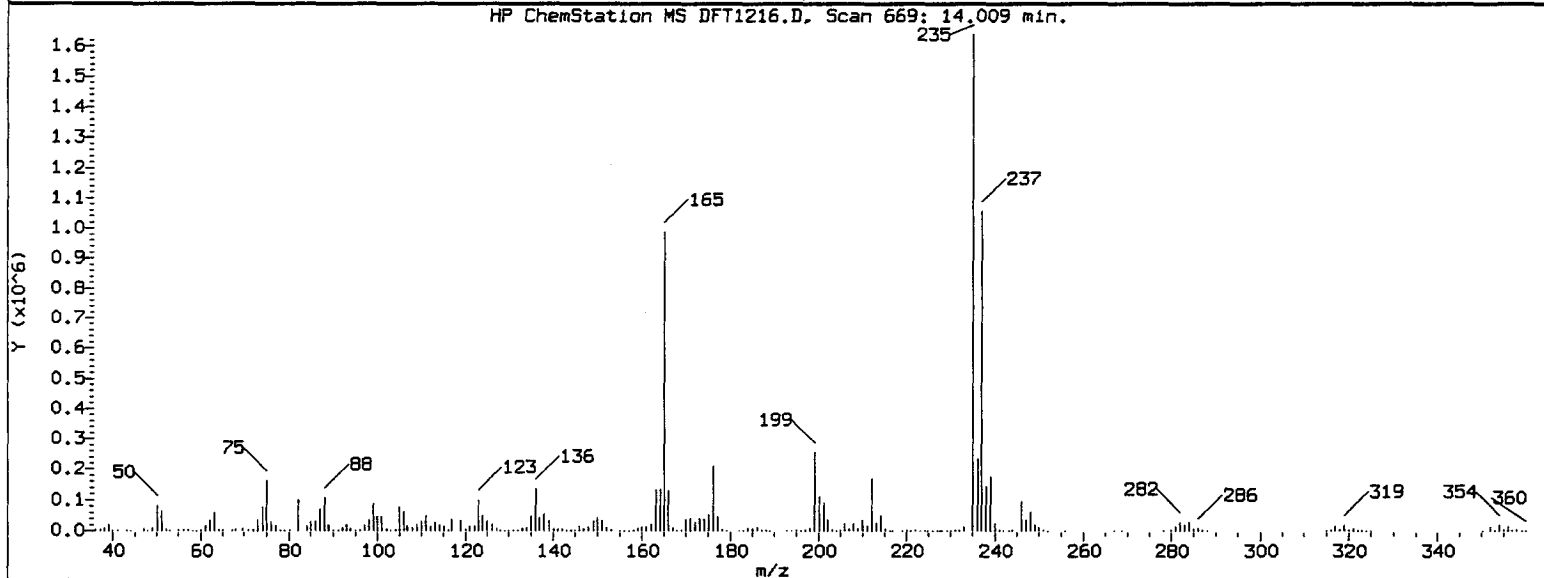
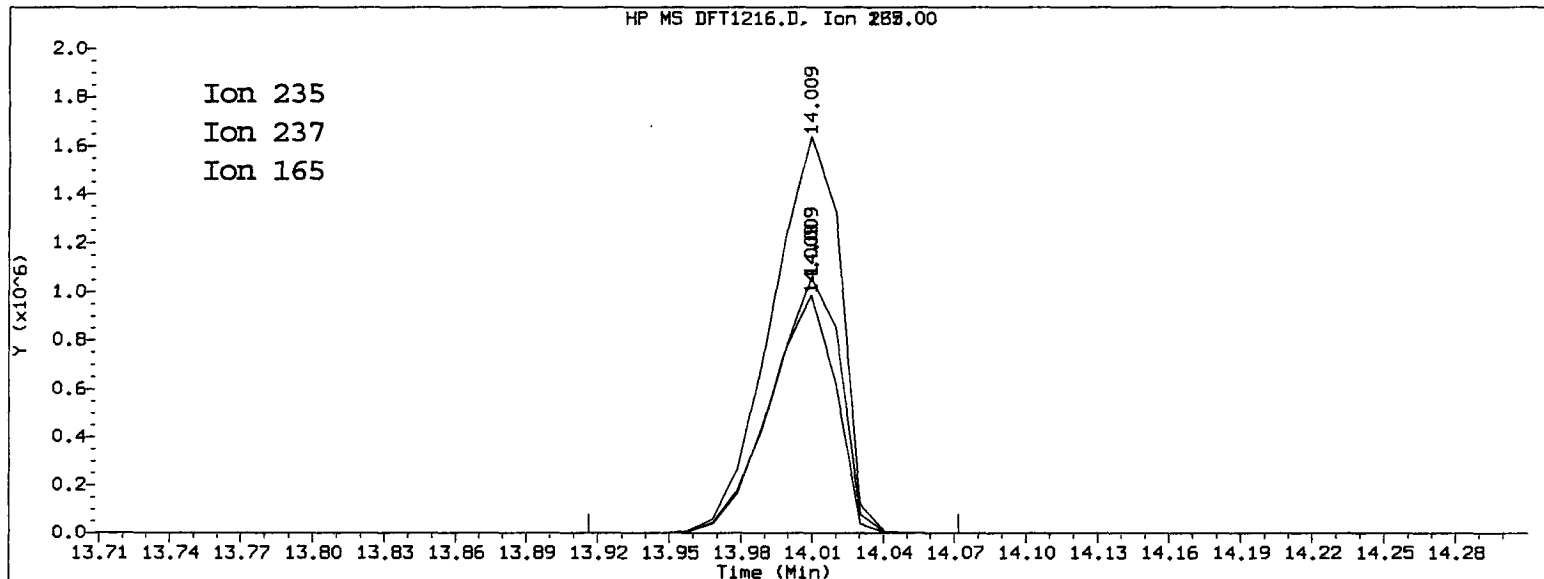
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.394 Maximum Allowed = 3.0

Report Date: 12/16/2010 18:14

Datafile Analyzed: //SV5/C/chem/sv5.i/121610.B/DFT1216.D/DFT1216.D
Method Used: \\SV5\C\chem\sv5.i\121610.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 16-DEC-2010 17:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



4,4'-DDT

=====

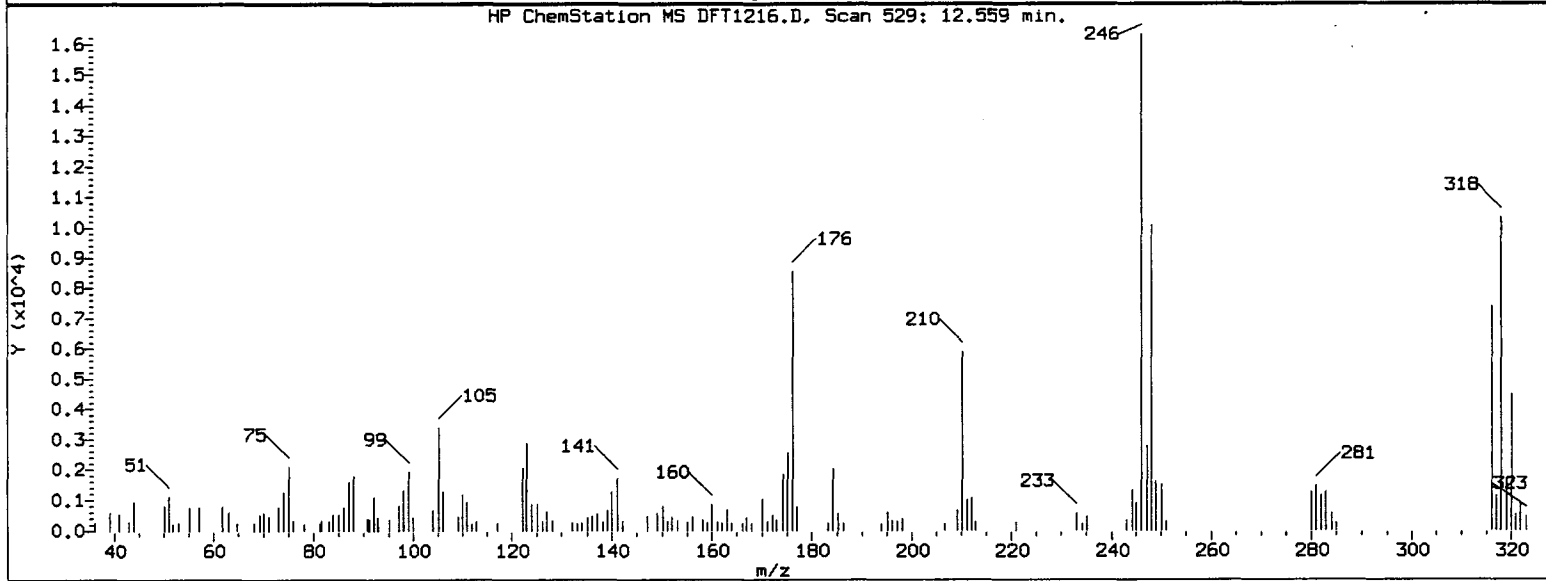
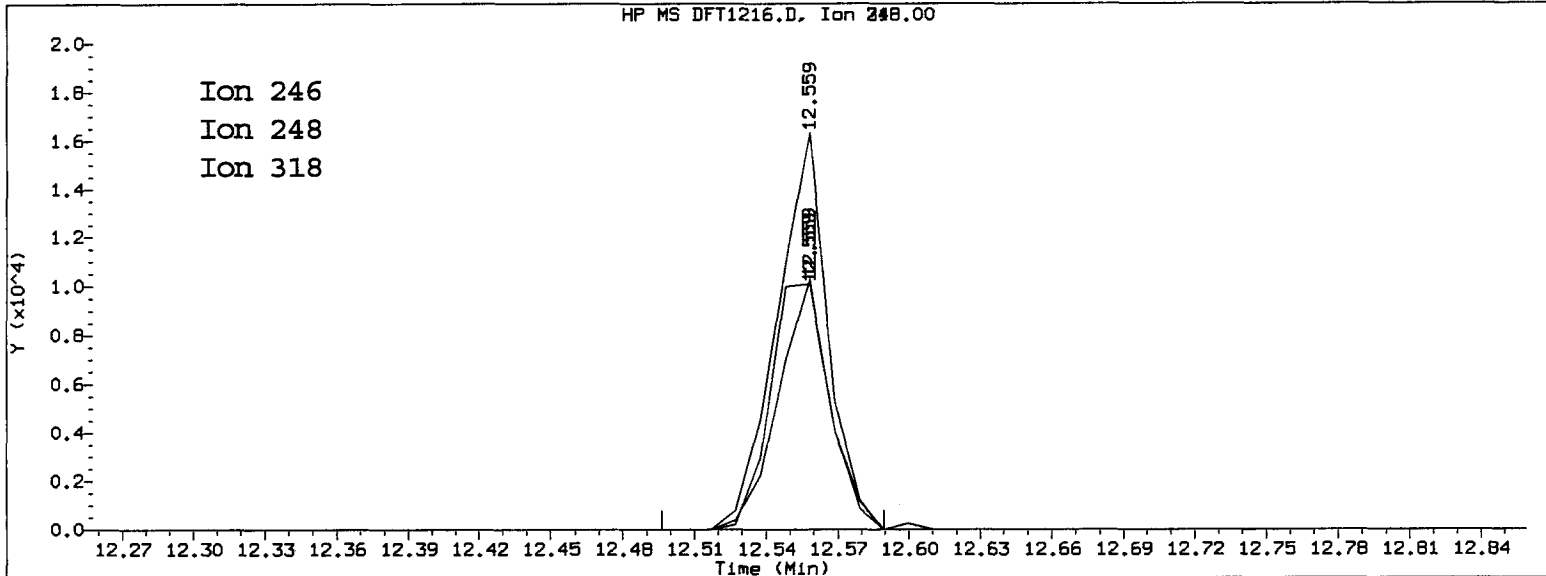
Exp. RT = 14.134

Found RT = 14.009

Mass	Area	Ratio
235	3341322	100.00
237	2131297	63.79
165	1920129	57.47

Report Date: 12/16/2010 18:14

Datafile Analyzed: //SV5/C/chem/sv5.i/121610.B/DFT1216.D/DFT1216.D
Method Used: \\SV5\C\chem\sv5.i\121610.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 16-DEC-2010 17:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



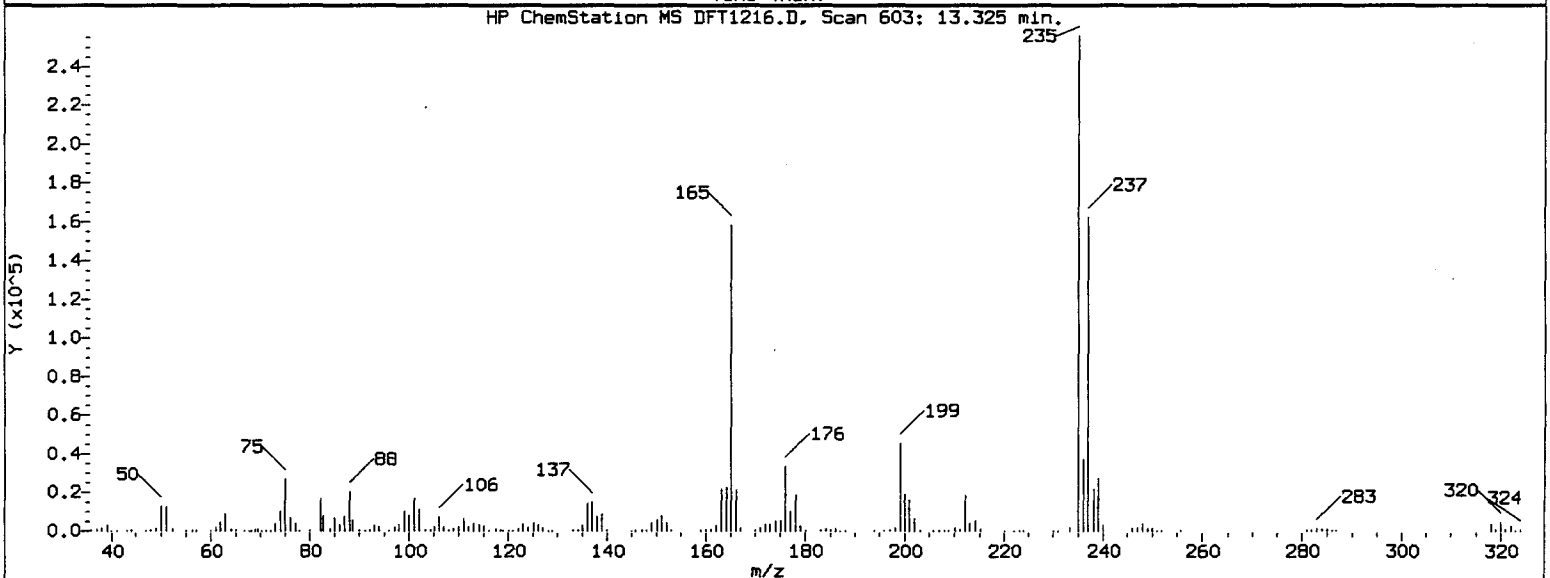
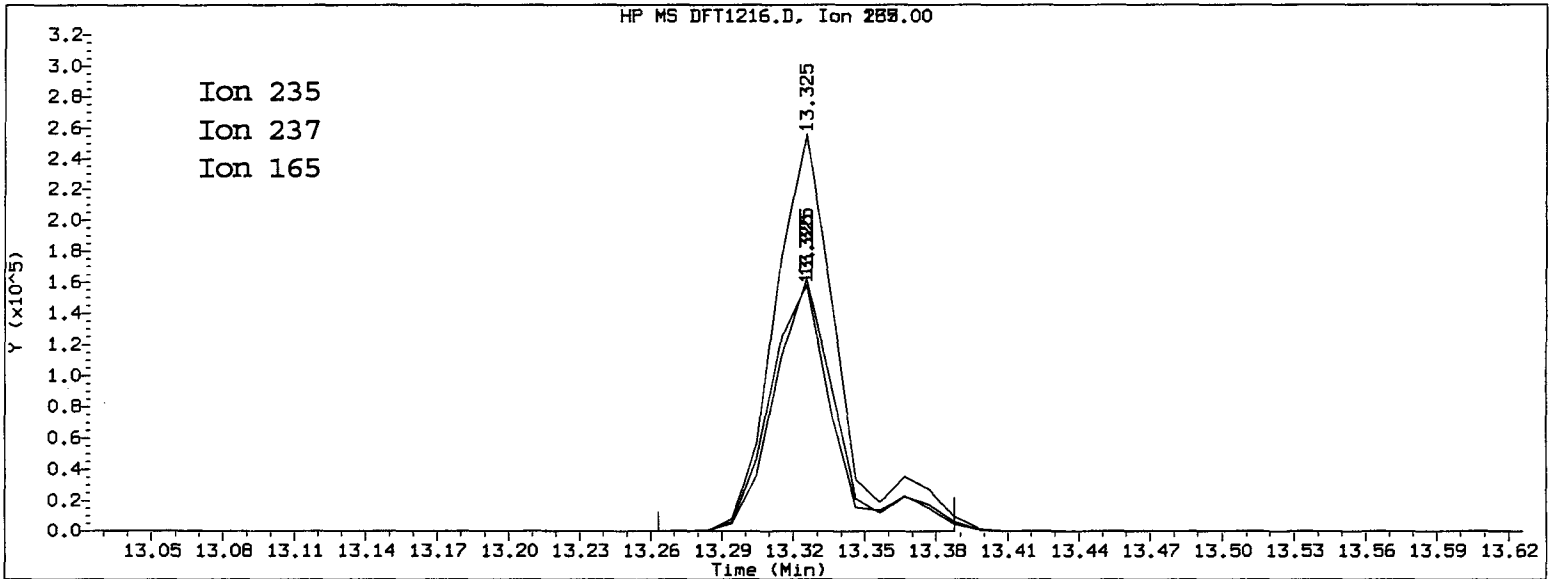
4,4'-DDE

=====
Exp. RT = 12.683
Found RT = 12.559

Mass	Area	Ratio
246	24309	100.00
248	17485	71.93
318	15576	64.07

Report Date: 12/16/2010 18:14

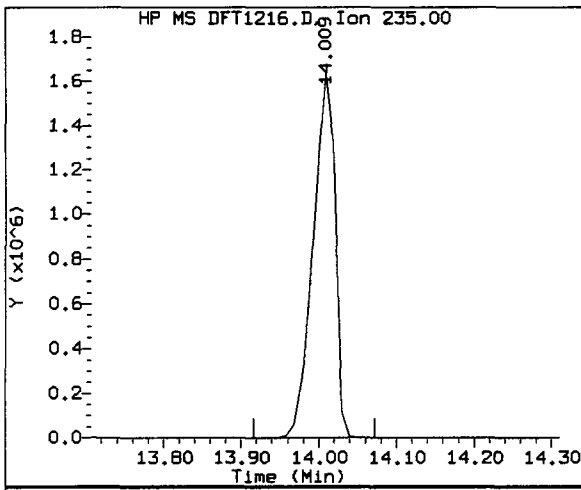
Datafile Analyzed: //SV5/C/chem/sv5.i/121610.B/DFT1216.D/DFT1216.D
Method Used: \\SV5\C\chem\sv5.i\121610.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 16-DEC-2010 17:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



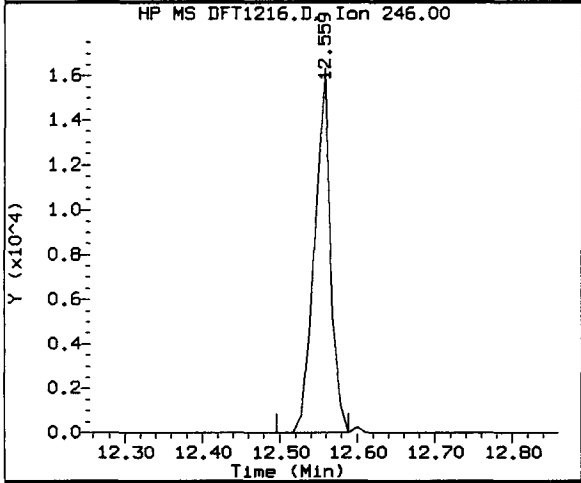
4,4'-DDD

=====
Exp. RT = 13.450
Found RT = 13.325

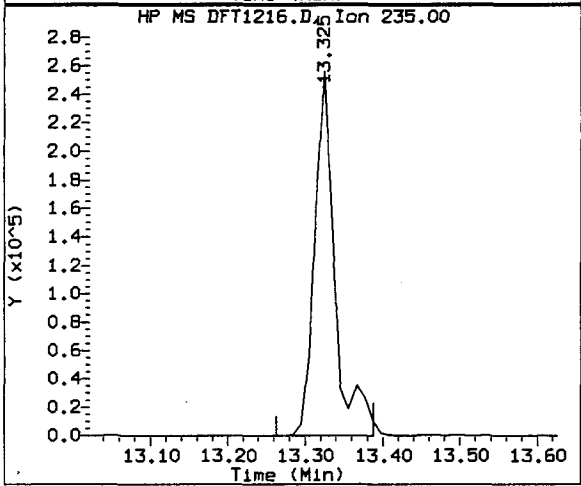
Mass	Area	Ratio
235	480247	100.00
237	304801	63.47
165	301655	62.81



Compound: 4,4'-DDT
 Quant Mass: 235
 RT: 14.009
 Area: 3341322



Compound: 4,4'-DDE
 Quant Mass: 246
 RT: 12.559
 Area: 24309



Compound: 4,4'-DDD
 Quant Mass: 235
 RT: 13.325
 Area: 480247

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	504556	13.1	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\121610.B\DFT1216.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 16-DEC-2010 17:29
Operator : KT
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\121610.B\DFTPP.m
Meth Date : 08-Dec-2010 09:15 onishim
Cal Date :
Als bottle: 96
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: SV5
Inst ID: sv5.i
Quant Type: ISTD
Cal File:
QC Sample: DFTPP
Compound Sublist: all.sub
Sample Matrix: None

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
-----	-----	-----	----	-----	-----	-----	-----	-----	
1 dftpp					CAS #: 5074-71-5				
9.978	10.092	(0.000)	198	1047808			0.00- 100.00	100.00	
9.978	10.092	(0.000)	51	481408			30.00- 60.00	45.94	
9.978	10.092	(0.000)	68	7261			0.00- 2.00	1.61	
9.978	10.092	(0.000)	69	450240			0.00- 0.00	42.97	
9.978	10.092	(0.000)	70	1844			0.00- 2.00	0.41	
9.978	10.092	(0.000)	127	608064			40.00- 60.00	58.03	
9.978	10.092	(0.000)	197	8201			0.00- 1.00	0.78	
9.978	10.092	(0.000)	199	72352			5.00- 9.00	6.91	
9.978	10.092	(0.000)	275	250816			10.00- 30.00	23.94	
9.978	10.092	(0.000)	365	29584			1.00- 0.00	2.82	
9.978	10.092	(0.000)	441	144576			0.01- 99.99	73.46	
9.978	10.092	(0.000)	442	1027968			40.00- 0.00	98.11	
9.978	10.092	(0.000)	443	196800			17.00- 23.00	19.14	

Date : 16-DEC-2010 17:29

Client ID:

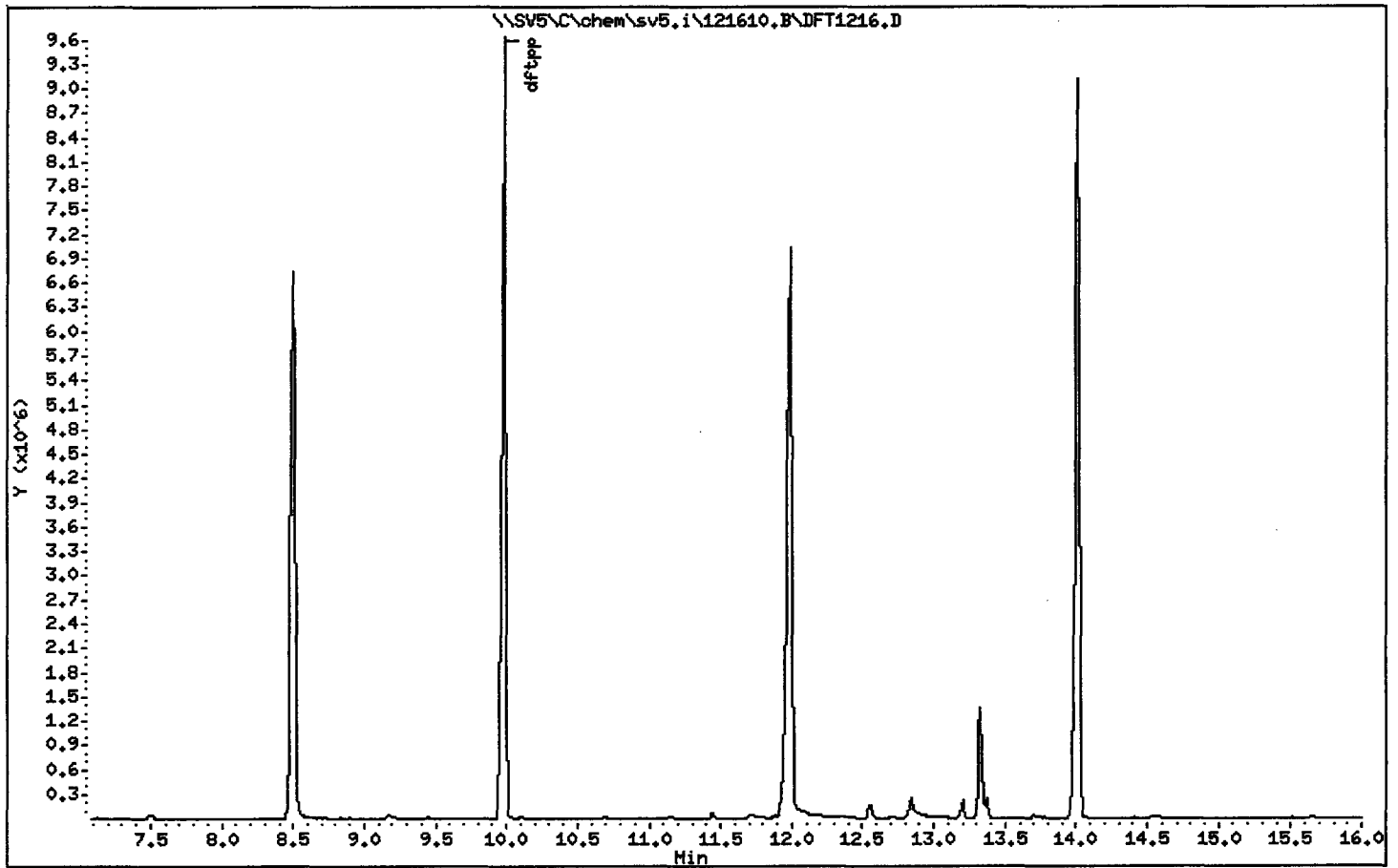
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Date : 16-DEC-2010 17:29

Client ID:

Instrument: sv5.i

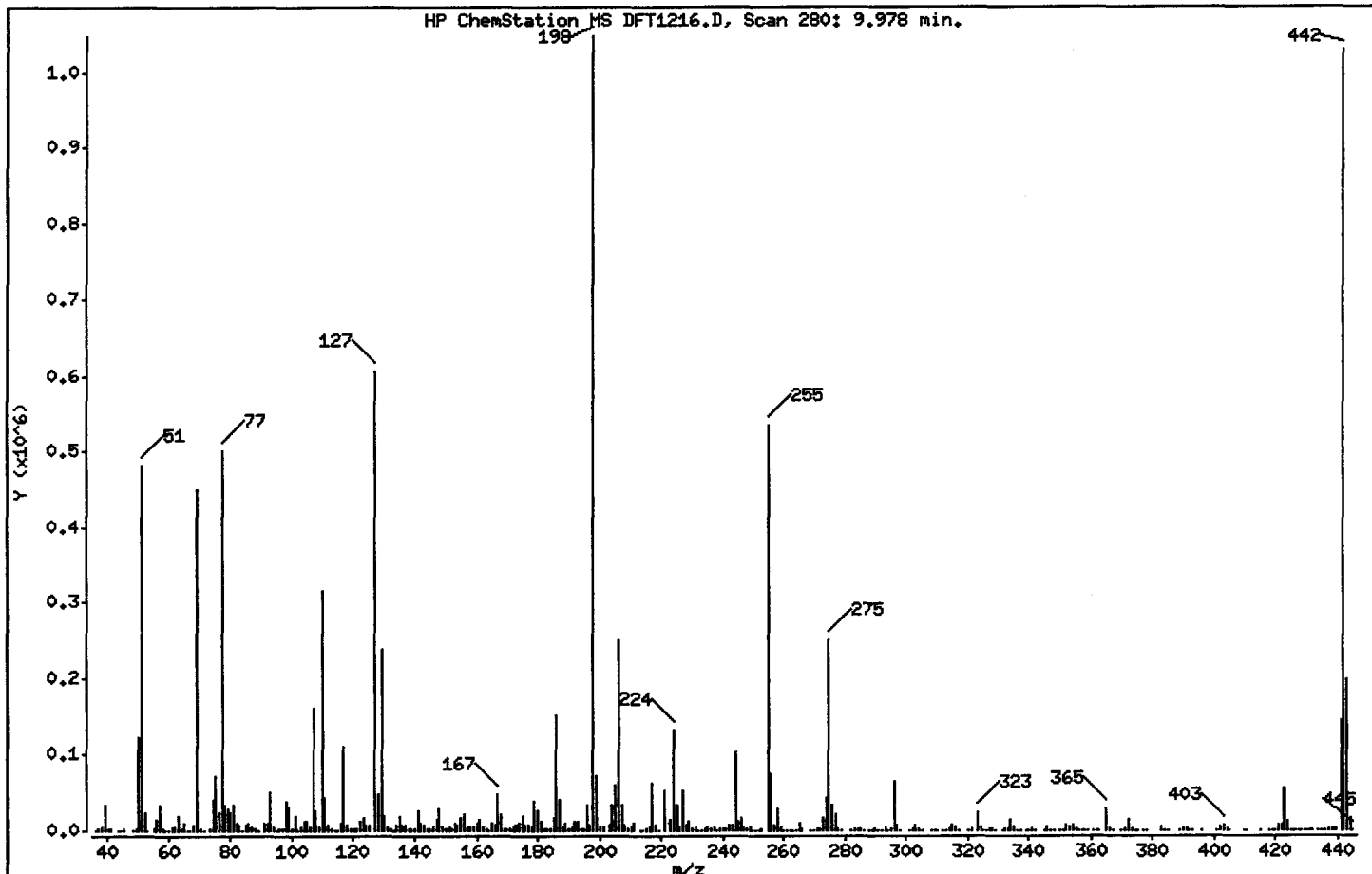
Sample Info: DFTPP 50ug/ml;

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	45.94
68	Less than 2.00% of mass 69	0.69 (1.61)
69	Mass 69 relative abundance	42.97
70	Less than 2.00% of mass 69	0.18 (0.41)
127	40.00 - 60.00% of mass 198	58.03
197	Less than 1.00% of mass 198	0.78
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	23.94
365	Greater than 1.00% of mass 198	2.82
441	Present, but less than mass 443	13.80
442	Greater than 40.00% of mass 198	98.11
443	17.00 - 23.00% of mass 442	18.78 (19.14)

Date : 16-DEC-2010 17:29

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1216.D

Spectrum: HP ChemStation MS DFT1216.D, Scan 280: 9.978 min.

Location of Maximum: 198.00

Number of points: 358

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 36.00	435	| 132.70	748	| 226.10	3800	| 331.30	264
| 37.00	1422	| 133.20	555	| 227.00	53480	| 332.00	1805
| 38.10	5919	| 134.00	6582	| 228.00	7640	| 333.00	2098
| 39.10	34000	| 135.00	18416	| 229.00	12213	| 334.00	13978
| 40.10	1253	| 136.00	7696	| 230.00	1672	| 335.10	3694
| 41.10	1244	| 137.00	8137	| 231.10	3701	| 336.00	658
| 43.10	322	| 138.00	1770	| 232.10	661	| 337.30	218
| 44.00	516	| 139.00	1381	| 233.00	907	| 339.00	355
| 45.00	1328	| 140.00	2798	| 234.00	3118	| 340.10	405
| 48.10	346	| 141.00	26696	| 235.00	4566	| 341.00	2116
| 49.10	3244	| 142.00	10294	| 236.00	3202	| 342.00	999
| 50.10	122464	| 143.00	6024	| 237.00	4567	| 345.10	207
| 51.10	481408	| 144.00	1696	| 238.00	865	| 346.00	3984
| 52.10	23240	| 145.00	1931	| 239.10	1662	| 347.00	1004
| 52.90	747	| 146.00	5361	| 240.00	1729	| 348.10	270
| 55.00	2302	| 147.00	14661	| 241.00	2438	| 350.10	328
| 56.00	13942	| 148.00	29592	| 242.10	7205	| 351.00	408
| 57.00	34752	| 149.10	5795	| 243.10	7520	| 352.00	6654
| 58.00	1971	| 150.10	1883	| 244.10	103616	| 353.10	4650
| 59.10	294	| 151.10	3873	| 245.10	12755	| 354.10	7997
| 60.10	209	| 151.90	2411	| 246.00	17520	| 355.10	1439
| 61.10	5449	| 153.00	8672	| 247.00	4019	| 356.00	250
| 62.00	5989	| 154.00	6498	| 248.10	1247	| 357.10	319
| 63.10	18456	| 155.10	15660	| 249.00	4007	| 358.00	256
| 64.10	2542	| 156.00	22480	| 250.00	950	| 359.00	341
| 65.10	9111	| 157.10	4866	| 251.10	563	| 360.90	213
| 66.00	772	| 158.00	4672	| 252.10	938	| 362.10	271
| 66.90	409	| 159.00	4043	| 253.00	2303	| 362.60	480
| 68.00	7261	| 160.00	8542	| 255.00	534528	| 365.00	29584
| 69.00	450240	| 161.00	13547	| 256.00	74688	| 366.00	3542
| 70.00	1844	| 162.00	3737	| 257.10	7095	| 367.00	321
| 71.10	434	| 163.10	1313	| 258.00	28768	| 369.90	705
| 73.10	2835	| 164.10	1110	| 259.00	5055	| 371.00	1952
| 74.10	41328	| 165.00	9363	| 259.90	1127	| 372.00	13967
| 75.00	71408	| 166.00	7891	| 261.00	991	| 373.00	2682

Date : 16-DEC-2010 17:29

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1216.D
 Spectrum: HP ChemStation MS DFT1216.D, Scan 280: 9.978 min.
 Location of Maximum: 198.00
 Number of points: 358

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 76.10	24520	| 167.10	49096	| 262.10	488	| 374.20	461
| 77.10	499968	| 168.10	20504	| 262.90	280	| 375.00	285
| 78.10	33440	| 169.10	3565	| 264.10	1195	| 376.90	430
| 79.00	30064	| 170.00	1782	| 265.00	10704	| 377.80	206
| 80.00	23424	| 171.00	2116	| 266.00	1913	| 383.00	3897
| 81.00	34760	| 172.00	4078	| 269.00	268	| 384.00	866
| 82.00	9281	| 173.00	6218	| 269.90	438	| 385.00	262
| 83.00	7528	| 174.10	10526	| 271.00	1499	| 389.00	286
| 84.20	766	| 175.10	19456	| 272.00	1945	| 390.00	1790
| 85.10	7124	| 176.00	6174	| 273.00	16088	| 391.00	1315
| 86.00	9726	| 177.00	7964	| 274.00	42272	| 392.00	730
| 87.10	4332	| 178.10	3988	| 275.00	250816	| 393.00	237
| 87.90	1618	| 179.00	39656	| 276.00	34072	| 396.10	204
| 89.00	923	| 180.00	26336	| 277.00	20928	| 400.90	941
| 91.00	8448	| 181.00	12922	| 278.00	3354	| 402.00	5094
| 92.00	8982	| 182.10	1781	| 279.10	543	| 403.00	7819
| 93.00	49832	| 183.10	1400	| 282.00	411	| 404.00	2996
| 94.00	3959	| 184.00	3027	| 283.10	1910	| 405.00	517
| 95.10	1188	| 185.10	17760	| 284.10	1415	| 409.40	226
| 96.00	2923	| 186.10	150592	| 285.00	2948	| 410.10	240
| 97.10	1359	| 187.00	41128	| 286.00	634	| 410.50	205
| 98.00	39464	| 188.10	4419	| 287.80	320	| 414.80	432
| 99.00	30408	| 189.00	9248	| 289.00	957	| 418.10	466
| 100.10	2884	| 190.00	1478	| 289.90	1326	| 418.90	265
| 101.00	18312	| 191.00	4429	| 291.00	376	| 419.70	625
| 102.00	1098	| 192.00	12333	| 292.00	805	| 421.00	7539
| 103.10	5427	| 193.10	11721	| 293.00	4971	| 422.00	7178
| 104.00	12865	| 194.00	3089	| 294.10	885	| 423.00	55512
| 105.00	11769	| 194.90	1973	| 295.10	1374	| 424.00	12299
| 106.10	3774	| 196.10	33296	| 296.00	64000	| 425.10	1113
| 107.00	161344	| 196.70	8201	| 297.00	7809	| 425.70	326
| 108.00	27040	| 198.00	1047808	| 298.00	427	| 426.10	252
| 109.10	5529	| 199.00	72352	| 300.90	819	| 427.50	355
| 110.00	314816	| 200.00	5190	| 302.00	1356	| 428.30	210
| 111.00	44040	| 201.60	4557	| 303.10	7966	| 429.20	432

Date : 16-DEC-2010 17:29

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1216.D
 Spectrum: HP ChemStation MS DFT1216.D, Scan 280; 9.978 min.
 Location of Maximum: 198.00
 Number of points: 358

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 112.00	6238	| 203.00	6102	| 304.10	2123	| 429.60	346
| 113.00	1742	| 204.00	34632	| 305.10	273	| 430.10	677
| 114.30	564	| 205.00	59984	| 308.10	1028	| 430.60	540
| 115.20	349	| 206.10	250688	| 309.10	804	| 431.20	744
| 116.10	9009	| 207.10	34824	| 309.90	835	| 431.70	601
| 117.00	110136	| 208.00	7208	| 312.00	369	| 433.60	585
| 118.00	7783	| 209.00	1978	| 312.80	474	| 434.60	596
| 119.00	1386	| 210.10	4272	| 314.00	3039	| 435.30	762
| 120.10	2301	| 211.10	9446	| 315.00	7725	| 435.90	1199
| 120.90	1214	| 213.10	1008	| 316.10	4508	| 437.30	1840
| 122.00	11159	| 214.20	444	| 317.00	871	| 438.40	1930
| 123.00	16968	| 215.00	2919	| 320.00	287	| 439.10	2174
| 124.00	7049	| 216.10	4647	| 321.10	2167	| 439.60	2558
| 125.00	7017	| 217.00	62000	| 323.10	23088	| 441.00	144576
| 127.00	608064	| 218.00	7479	| 324.10	4673	| 442.00	1027968
| 128.00	47016	| 219.10	994	| 325.00	262	| 443.00	196800
| 129.00	239232	| 221.10	53704	| 326.10	436	| 444.00	18024
| 130.00	19192	| 223.00	14634	| 327.00	3473	| 445.00	1098
| 131.00	3732	| 224.10	133248	| 328.00	2246	|	|
| 132.00	1624	| 225.10	33152	| 329.10	466	|	|

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\121610.B\S121601.D
 Lab Smp Id: MCEK71AA G0L150000- Client Smp ID: 0349401
 Inj Date : 16-DEC-2010 18:41
 Operator : KT Inst ID: sv5.i
 Smp Info : MCEK71AA G0L150000-401B;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\121610.B\8270f.m
 Meth Date : 17-Dec-2010 13:35 truongk 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.459	3.459	(1.000)	85655	40.0000	(Q)
* 2 Naphthalene-d8	136	4.869	4.869	(1.000)	359947	40.0000	
* 3 Acenaphthene-d10	164	6.952	6.952	(1.000)	204847	40.0000	
* 4 Phenanthrene-d10	188	8.796	8.796	(1.000)	343682	40.0000	
* 5 Chrysene-d12	240	13.056	13.066	(1.000)	348552	40.0000	
* 6 Perylene-d12	264	15.418	15.418	(1.000)	363465	40.0000	
\$ 7 2-Fluorophenol	112	2.257	2.257	(0.653)	202556	67.0900	67.09
\$ 8 Phenol-d5	99	3.148	3.149	(0.910)	296442	78.0815	78.08
\$ 10 1,2-Dichlorobenzene-d4	152	3.656	3.656	(1.057)	73059	34.6329	34.63(q)
\$ 11 Nitrobenzene-d5	82	4.092	4.092	(0.840)	121723	39.9262	39.93
\$ 12 2-Fluorobiphenyl	172	6.175	6.175	(0.888)	267173	40.4884	40.49
\$ 13 2,4,6-Tribromophenol	330	7.926	7.926	(1.140)	90193	101.325	101.3(q)
\$ 14 Terphenyl-d14	244	11.346	11.346	(0.869)	312099	45.4587	45.46
108 Hexachlorobenzene	284	Compound Not Detected.					

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QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S121601.D
 Lab Smp Id: MCEK71AA GOL150000-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\121610.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

Calibration Date: 16-DEC-2010
 Calibration Time: 17:06
 Client Smp ID: 0349401
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	85655	-30.15
2 Naphthalene-d8	530514	265257	1061028	359947	-32.15
3 Acenaphthene-d10	282538	141269	565076	204847	-27.50
4 Phenanthrene-d10	462722	231361	925444	343682	-25.73
5 Chrysene-d12	435850	217925	871700	348552	-20.03
6 Perylene-d12	422284	211142	844568	363465	-13.93

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	-0.00
2 Naphthalene-d8	4.87	4.37	5.37	4.87	-0.00
3 Acenaphthene-d10	6.96	6.46	7.46	6.95	-0.15
4 Phenanthrene-d10	8.81	8.31	9.31	8.80	-0.12
5 Chrysene-d12	13.07	12.57	13.57	13.06	-0.08
6 Perylene-d12	15.42	14.92	15.92	15.42	-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

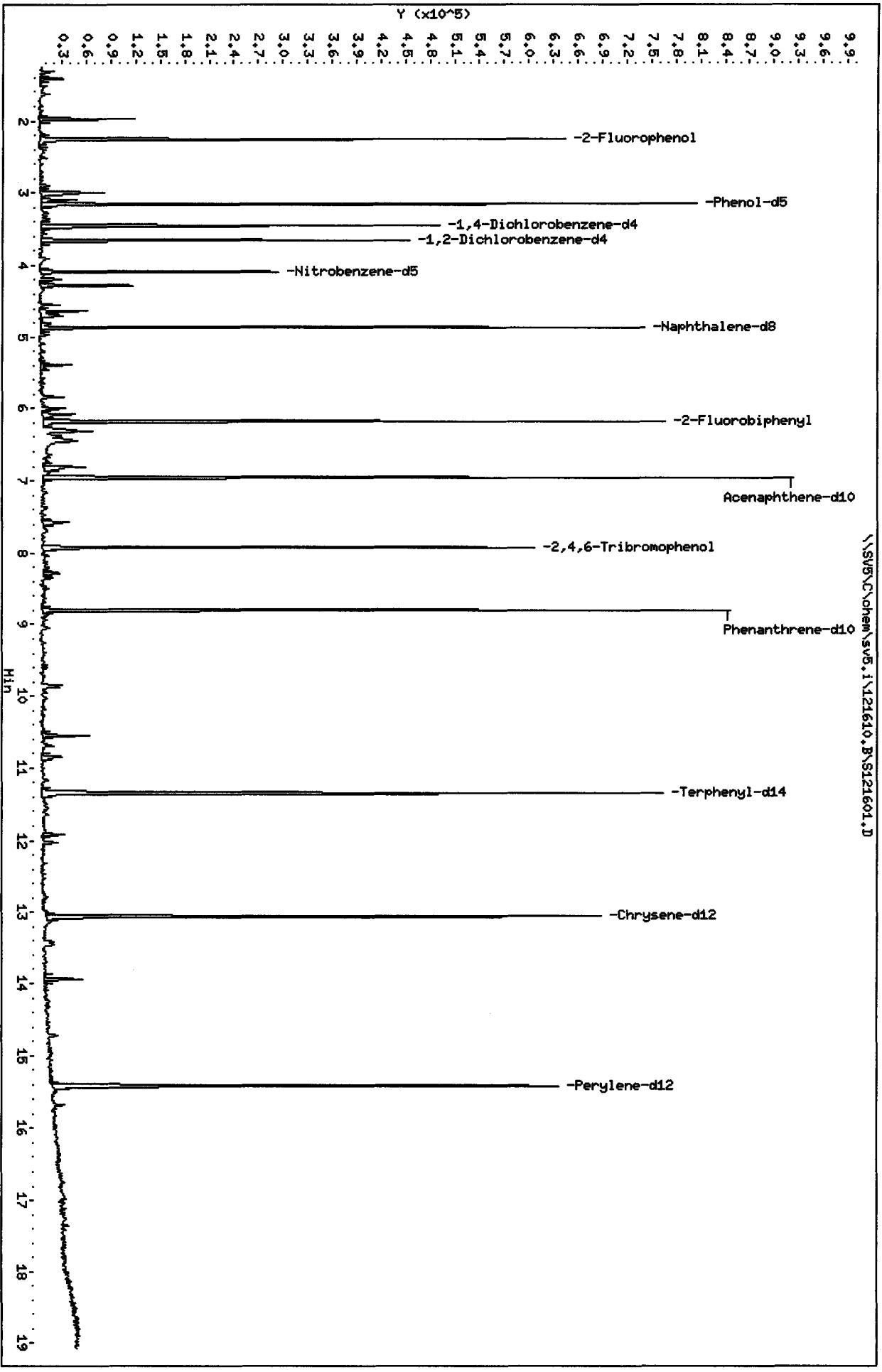
Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: MCEK71AA G0L150000- Client Smp ID: 0349401
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\sv5\c\chem\sv5.i\121610.B\8270f.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	100.0	67.09	67.09	41-105
\$ 8 Phenol-d5	100.0	78.08	78.08	43-122
\$ 10 1,2-Dichlorobenzen	50.00	34.63	69.27	60-120
\$ 11 Nitrobenzene-d5	50.00	39.93	79.85	46-118
\$ 12 2-Fluorobiphenyl	50.00	40.49	80.98	58-105
\$ 13 2,4,6-Tribromophen	100.0	101.3	101.32	61-118
\$ 14 Terphenyl-d14	50.00	45.46	90.92	69-110

Data File: \\SVS\C\chem\sv5.1\121610.B\S121601.D
 Date: 16-DEC-2010 18:41
 Client ID: 0349401
 Sample Info: HCEK7100 GOL150000-401B;0;11000;1000;5
 Volume Injected (uL): 1.0
 Column phase:

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

\\SVS\C\chem\sv5.1\121610.B\S121601.D



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\121610.B\S121602.D
 Lab Smp Id: MCEK71AC G0L150000-
 Inj Date : 16-DEC-2010 19:05
 Operator : KT Inst ID: sv5.i
 Smp Info : MCEK71AC G0L150000-401C;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\121610.B\8270f.m
 Meth Date : 17-Dec-2010 12:45 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.459	3.459	(1.000)	81622	40.0000	(q)
* 2 Naphthalene-d8	136	4.869	4.869	(1.000)	364439	40.0000	
* 3 Acenaphthene-d10	164	6.952	6.952	(1.000)	201943	40.0000	
* 4 Phenanthrene-d10	188	8.796	8.796	(1.000)	331880	40.0000	
* 5 Chrysene-d12	240	13.066	13.066	(1.000)	360338	40.0000	
* 6 Perylene-d12	264	15.418	15.418	(1.000)	366353	40.0000	
\$ 7 2-Fluorophenol	112	2.257	2.257	(0.653)	218004	75.7744	75.77
\$ 8 Phenol-d5	99	3.148	3.149	(0.910)	308012	85.1376	85.14
\$ 10 1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
\$ 11 Nitrobenzene-d5	82	4.091	4.092	(0.840)	132129	42.8052	42.80
\$ 12 2-Fluorobiphenyl	172	6.174	6.175	(0.888)	296734	45.6149	45.61
\$ 13 2,4,6-Tribromophenol	330	7.926	7.926	(1.140)	94928	108.178	108.2
\$ 14 Terphenyl-d14	244	11.346	11.346	(0.868)	304735	42.9343	42.93
108 Hexachlorobenzene	284	8.402	8.403	(0.955)	177522	98.1168	98.12

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

Handwritten: ✓
12/21/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S121602.D
 Lab Smp Id: MCEK71AC G0L150000-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\121610.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 16-DEC-2010
 Calibration Time: 17:06
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	81622	-33.44
2 Naphthalene-d8	530514	265257	1061028	364439	-31.30
3 Acenaphthene-d10	282538	141269	565076	201943	-28.53
4 Phenanthrene-d10	462722	231361	925444	331880	-28.28
5 Chrysene-d12	435850	217925	871700	360338	-17.33
6 Perylene-d12	422284	211142	844568	366353	-13.24

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	-0.01
2 Naphthalene-d8	4.87	4.37	5.37	4.87	-0.00
3 Acenaphthene-d10	6.96	6.46	7.46	6.95	-0.15
4 Phenanthrene-d10	8.81	8.31	9.31	8.80	-0.12
5 Chrysene-d12	13.07	12.57	13.57	13.07	-0.00
6 Perylene-d12	15.42	14.92	15.92	15.42	-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: MCEK71AC GOL150000-
 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\121610.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	98.12	98.12	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	100.0	75.77	75.77	41-105
\$ 8 Phenol-d5	100.0	85.14	85.14	43-122
\$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
\$ 11 Nitrobenzene-d5	50.00	42.80	85.61	46-118
\$ 12 2-Fluorobiphenyl	50.00	45.61	91.23	58-105
\$ 13 2,4,6-Tribromophen	100.0	108.2	108.18	61-118
\$ 14 Terphenyl-d14	50.00	42.93	85.87	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\121610.B\S121602.D
 Lab Smp Id: MCEK71AC G0L150000-
 Inj Date : 16-DEC-2010 19:05
 Operator : KT
 Smp Info : MCEK71AC G0L150000-401C;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\121610.B\8270F.m
 Meth Date : 17-Dec-2010 11:33 semivoa 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.459	3.460	(1.000)	81622	40.0000	(q)
* 2 Naphthalene-d8	136	4.869	4.869	(1.000)	364439	40.0000	
* 3 Acenaphthene-d10	164	6.952	6.962	(1.000)	201943	40.0000	
* 4 Phenanthrene-d10	188	8.796	8.807	(1.000)	331880	40.0000	
* 5 Chrysene-d12	240	13.066	13.066	(1.000)	360338	40.0000	
* 6 Perylene-d12	264	15.418	15.418	(1.000)	366353	40.0000	
\$ 7 2-Fluorophenol	112	2.257	2.257	(0.653)	218004	75.7744	75.77
\$ 8 Phenol-d5	99	3.148	3.149	(0.910)	308012	85.1376	85.14
\$ 10 1,2-Dichlorobenzene-d4	152	3.459	3.656	(1.000)	81622	40.6039	40.60 (Q)
\$ 11 Nitrobenzene-d5	82	4.091	4.092	(0.840)	132129	42.8052	42.80
\$ 12 2-Fluorobiphenyl	172	6.174	6.185	(0.888)	296734	45.6149	45.61
\$ 13 2,4,6-Tribromophenol	330	7.926	7.926	(1.140)	94928	108.178	108.2
\$ 14 Terphenyl-d14	244	11.346	11.346	(0.868)	304735	42.9343	42.93
108 Hexachlorobenzene	284	8.402	8.403	(0.955)	177522	98.1168	98.12

QC Flag Legend

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

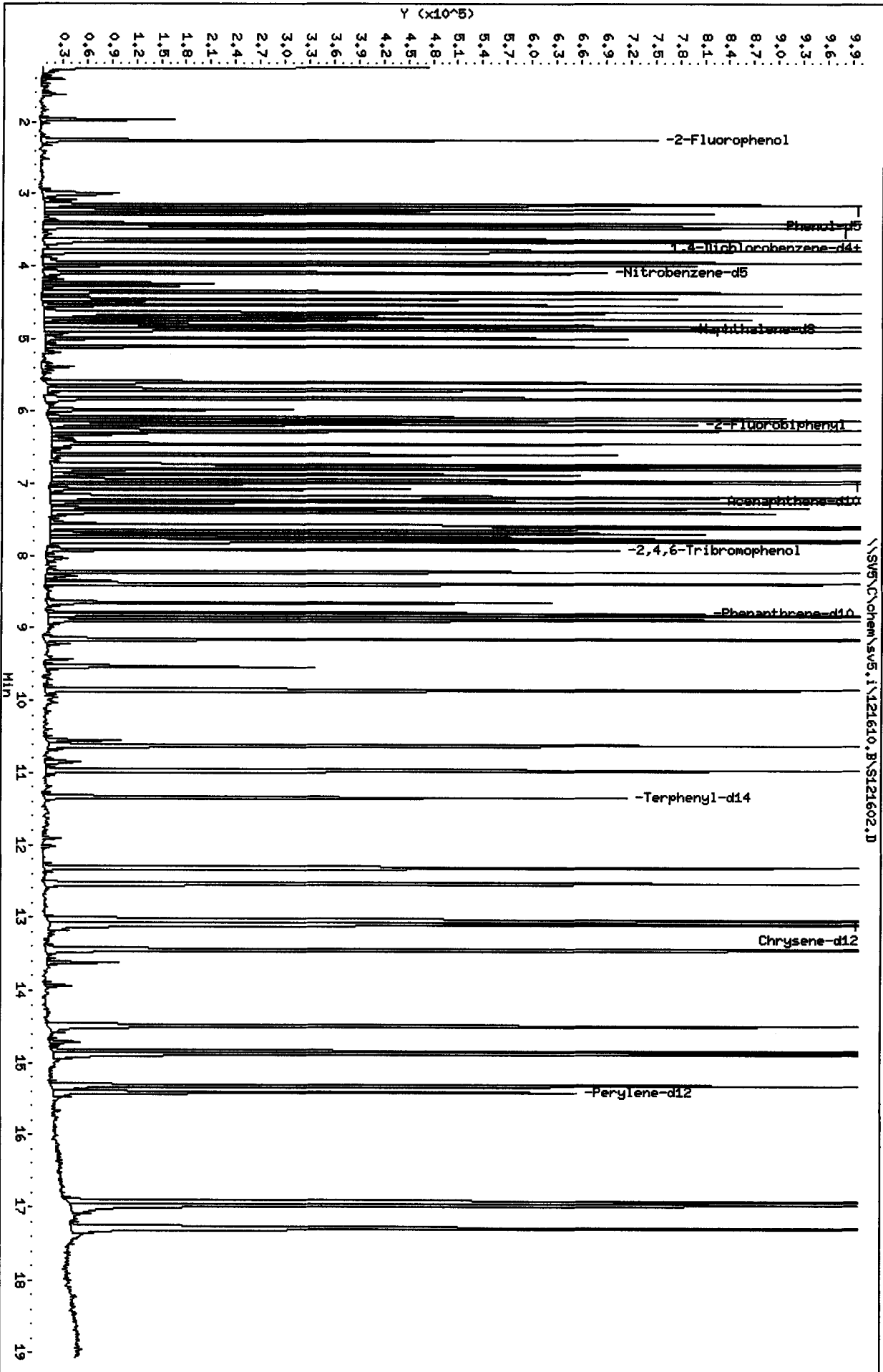
Data File: \\SV5\C\chem\sv5.i\121610.B\S121602.D
Date: 16-DEC-2010 19:05

Client ID:

Sample Info: HCEK71AC COL150000-401C;3:1LC;11000;11000;2
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



Date : 16-DEC-2010 19:05

Client ID:

Instrument: sv5.i

Sample Info: MCEK71AC GOL150000-401C;3;LCS;1000;1000;2

Volume Injected (uL): 1.0

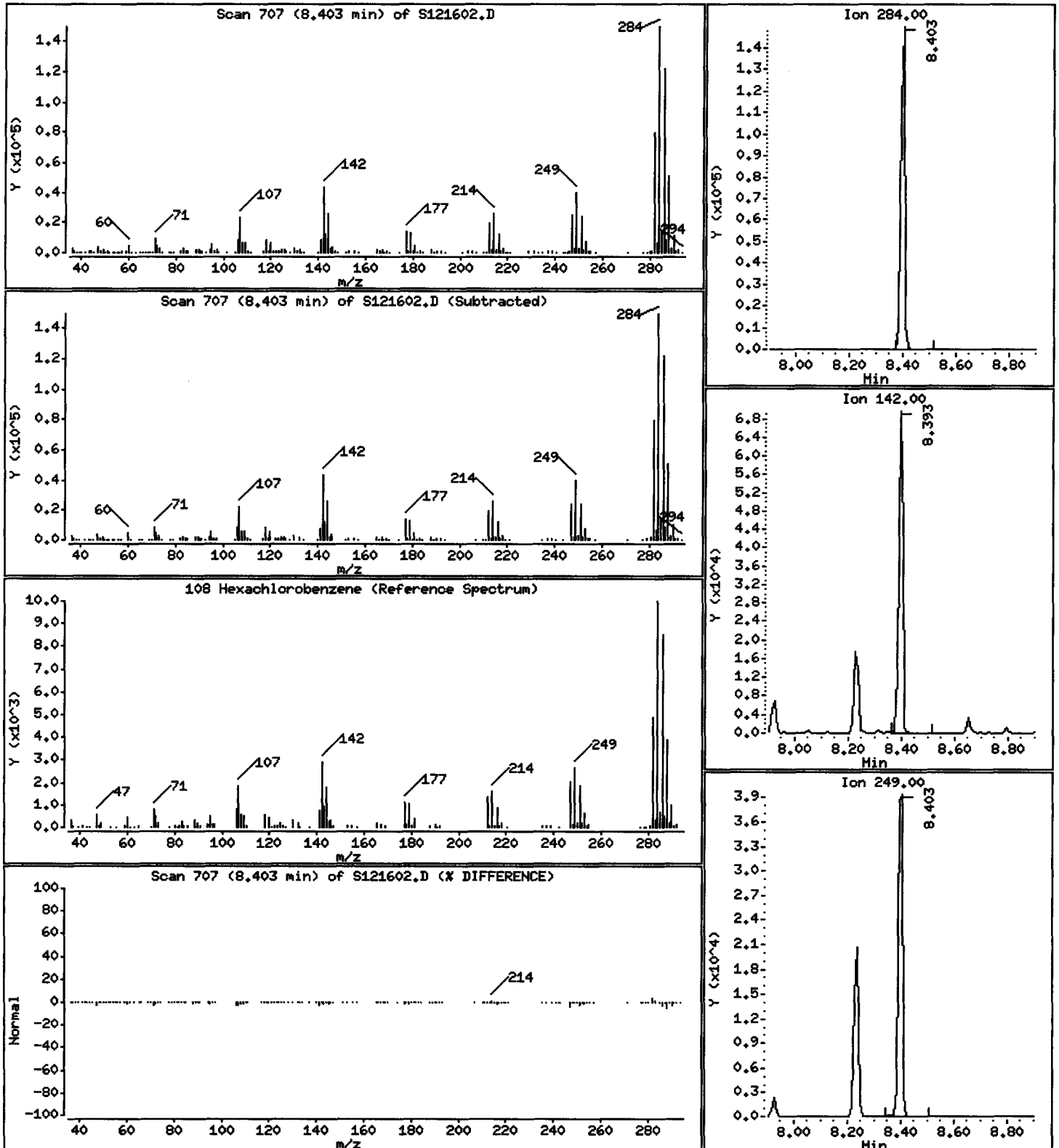
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 98.12 ug/L



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\121610.B\S121603.D
 Lab Smp Id: MCEK71AD GOL150000-
 Inj Date : 16-DEC-2010 19:30
 Operator : KT Inst ID: sv5.i
 Smp Info : MCEK71AD GOL150000-401L;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\121610.B\8270f.m
 Meth Date : 17-Dec-2010 12:45 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152		3.459	3.459	(1.000)	113237	40.0000	(q)
* 2 Naphthalene-d8	136		4.869	4.869	(1.000)	499020	40.0000	(M)
* 3 Acenaphthene-d10	164		6.952	6.952	(1.000)	280374	40.0000	
* 4 Phenanthrene-d10	188		8.796	8.796	(1.000)	501741	40.0000	
* 5 Chrysene-d12	240		13.066	13.066	(1.000)	540274	40.0000	
* 6 Perylene-d12	264		15.418	15.418	(1.000)	546516	40.0000	
\$ 7 2-Fluorophenol	112		2.257	2.257	(0.653)	289831	72.6142	72.61
\$ 8 Phenol-d5	99		3.149	3.149	(0.910)	408471	81.3830	81.38
\$ 10 1,2-Dichlorobenzene-d4	152		Compound Not Detected.					
\$ 11 Nitrobenzene-d5	82		4.092	4.092	(0.840)	182464	43.1701	43.17 (H)
\$ 12 2-Fluorobiphenyl	172		6.175	6.175	(0.888)	394291	43.6563	43.66
\$ 13 2,4,6-Tribromophenol	330		7.926	7.926	(1.140)	134353	110.276	110.3
\$ 14 Terphenyl-d14	244		11.346	11.346	(0.868)	443188	41.6453	41.64
108 Hexachlorobenzene	284		8.403	8.403	(0.955)	254540	93.0569	93.06

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.
- q - Qualifier signal exceeded ratio warning limit.

Handwritten: ✓
12/21/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S121603.D
 Lab Smp Id: MCEK71AD GOL150000-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\121610.B\8270f.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 16-DEC-2010
 Calibration Time: 17:49
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	113237	-7.66
2 Naphthalene-d8	530514	265257	1061028	499020	-5.94
3 Acenaphthene-d10	282538	141269	565076	280374	-0.77
4 Phenanthrene-d10	462722	231361	925444	501741	8.43
5 Chrysene-d12	435850	217925	871700	540274	23.96
6 Perylene-d12	422284	211142	844568	546516	29.42

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	0.00
2 Naphthalene-d8	4.87	4.37	5.37	4.87	0.00
3 Acenaphthene-d10	6.95	6.45	7.45	6.95	0.00
4 Phenanthrene-d10	8.80	8.30	9.30	8.80	0.00
5 Chrysene-d12	13.07	12.57	13.57	13.07	0.00
6 Perylene-d12	15.42	14.92	15.92	15.42	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

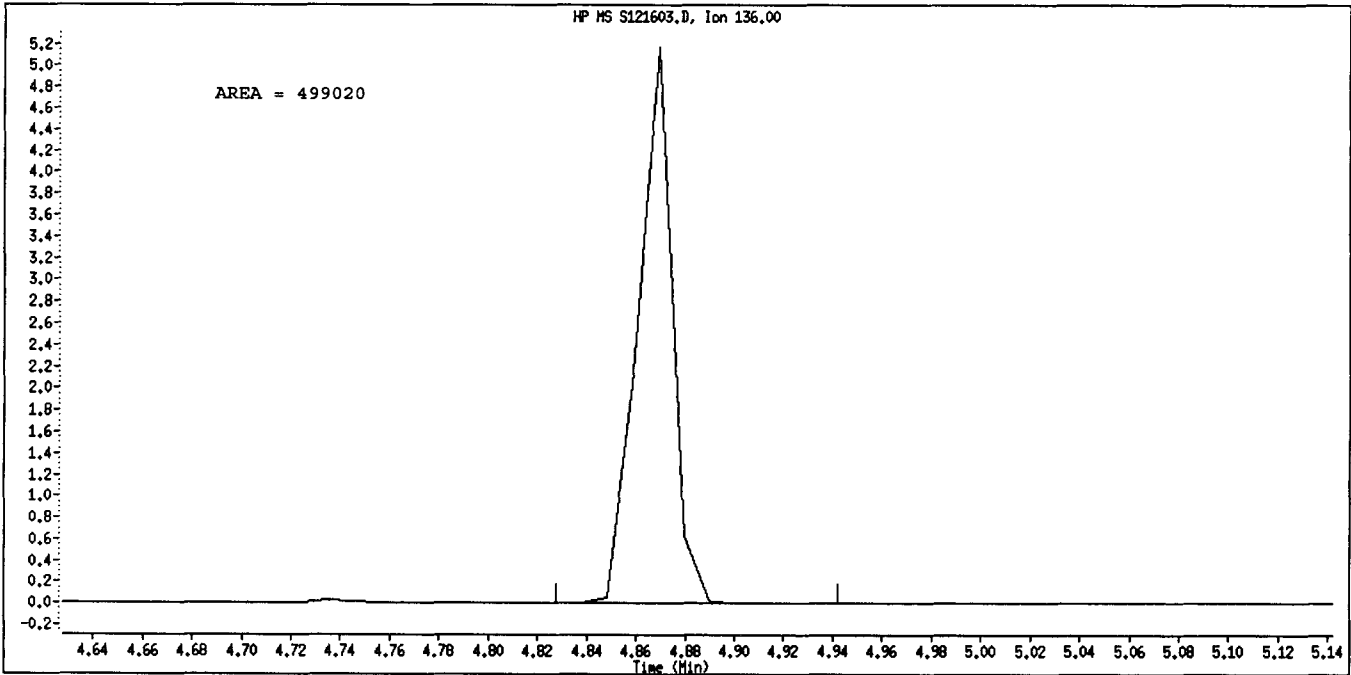
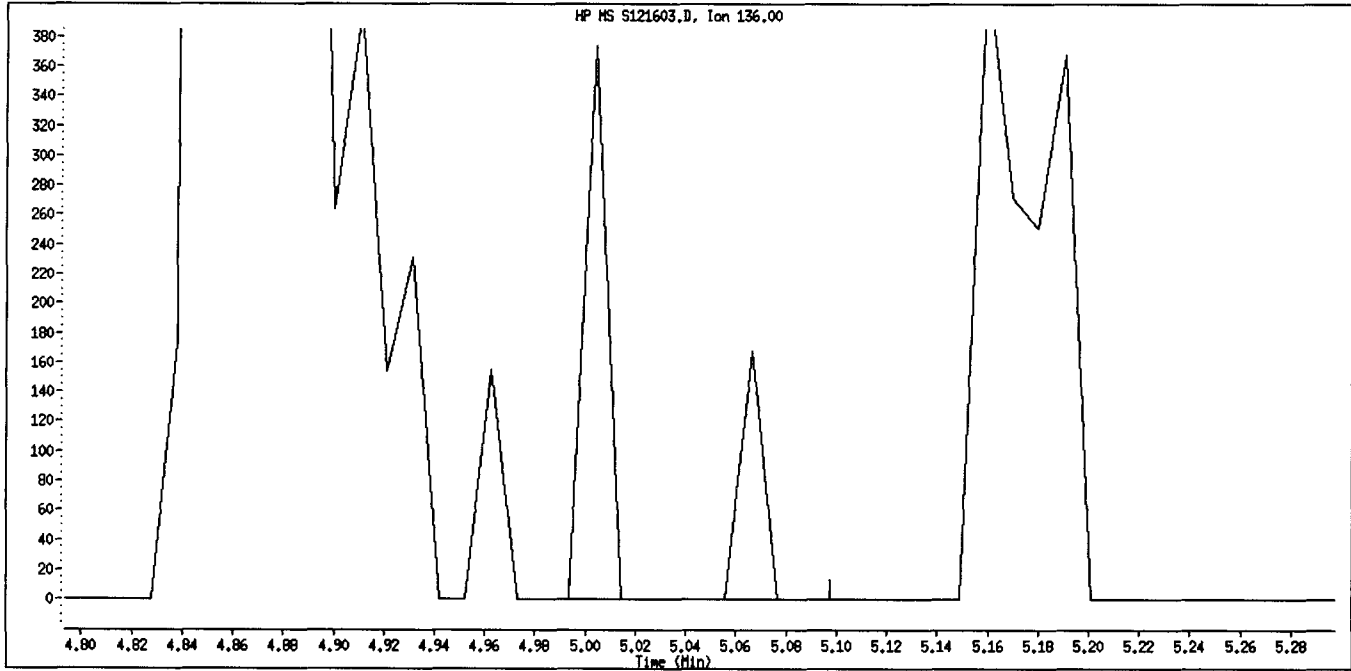
RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: MCEK71AD GOL150000-
 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\121610.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	93.06	93.06	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	100.0	72.61	72.61	41-105
\$ 8 Phenol-d5	100.0	81.38	81.38	43-122
\$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
\$ 11 Nitrobenzene-d5	50.00	43.17	86.34	46-118
\$ 12 2-Fluorobiphenyl	50.00	43.66	87.31	58-105
\$ 13 2,4,6-Tribromophen	100.0	110.3	110.28	61-118
\$ 14 Terphenyl-d14	50.00	41.64	83.29	69-110

Data File Name: S121603.D
Inj. Date and Time: 16-DEC-2010 19:30
Instrument ID: sv5.i
Client ID:
Compound Name: Naphthalene-d8
CAS #: 1146-65-2
Report Date: 12/17/2010



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

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\121610.B\S121603.D
 Lab Smp Id: MCEK71AD GOL150000-
 Inj Date : 16-DEC-2010 19:30
 Operator : KT
 Smp Info : MCEK71AD GOL150000-401L;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\121610.B\8270F.m
 Meth Date : 17-Dec-2010 11:33 semivoa 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

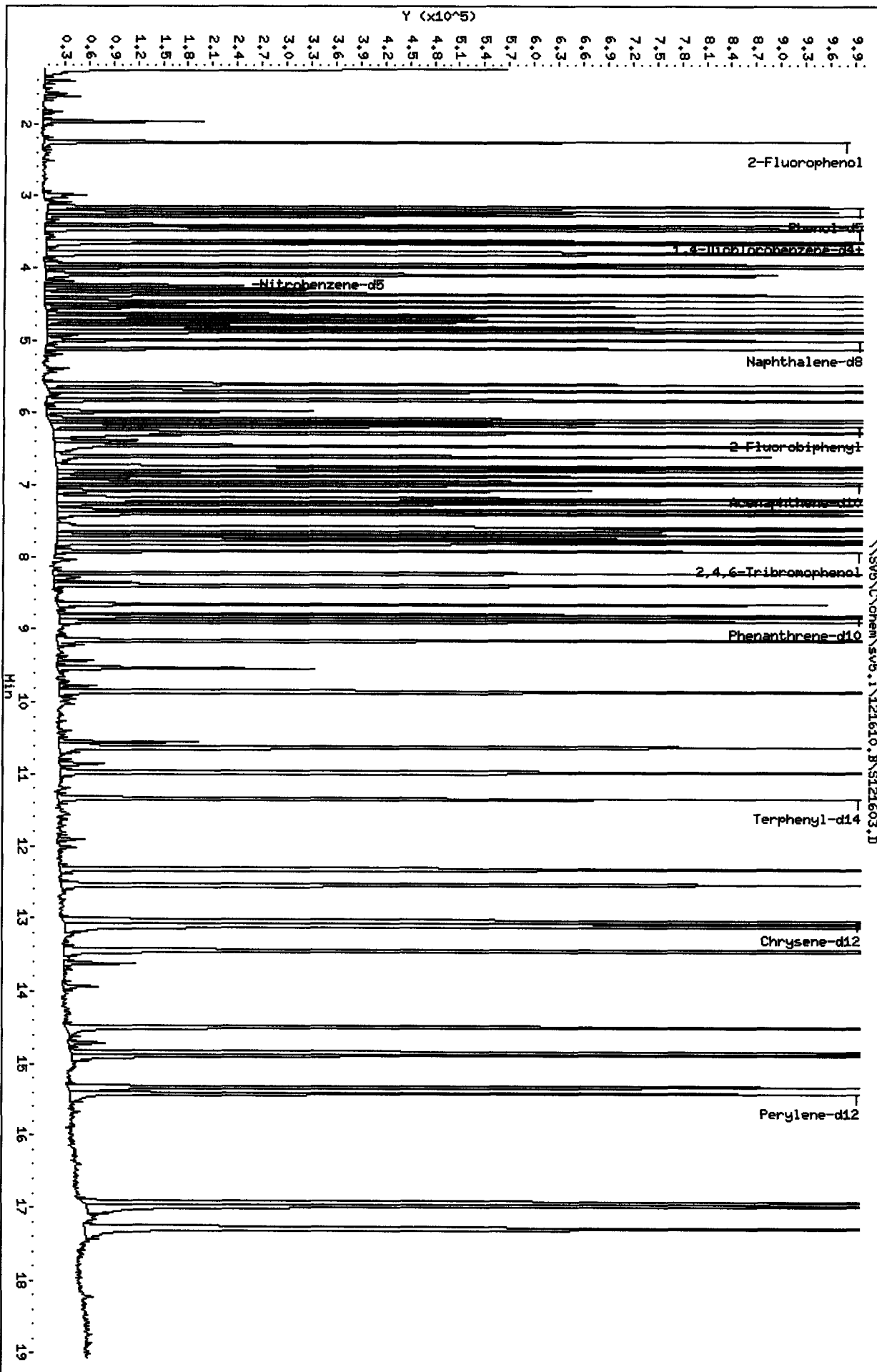
Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.459	3.460	(1.000)	113237	40.0000	
* 2 Naphthalene-d8	136	5.004	4.869	(1.000)	337	40.0000	(Q)
* 3 Acenaphthene-d10	164	6.952	6.962	(1.000)	280374	40.0000	
* 4 Phenanthrene-d10	188	8.796	8.807	(1.000)	501741	40.0000	
* 5 Chrysene-d12	240	13.066	13.066	(1.000)	540274	40.0000	
* 6 Perylene-d12	264	15.418	15.418	(1.000)	546516	40.0000	
\$ 7 2-Fluorophenol	112	2.257	2.257	(0.653)	289831	72.6142	72.61
\$ 8 Phenol-d5	99	3.149	3.149	(0.910)	408471	81.3830	81.38
\$ 10 1,2-Dichlorobenzene-d4	152	3.459	3.656	(1.000)	113239	40.6046	40.60 (q)
\$ 11 Nitrobenzene-d5	82	4.216	4.092	(0.843)	922	323.016	323.0 (AQR)
\$ 12 2-Fluorobiphenyl	172	6.175	6.185	(0.888)	394291	43.6563	43.66
\$ 13 2,4,6-Tribromophenol	330	7.926	7.926	(1.140)	134353	110.276	110.3
\$ 14 Terphenyl-d14	244	11.346	11.346	(0.868)	443188	41.6453	41.64
108 Hexachlorobenzene	284	8.403	8.403	(0.955)	254540	93.0569	93.06

QC Flag Legend

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

QC Flag Legend

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



Date : 16-DEC-2010 19:30

Client ID:

Instrument: sv5.i

Sample Info: MCEK71AD GOL150000-401L;3;LCSD;;1000;;1000;2

Volume Injected (uL): 1.0

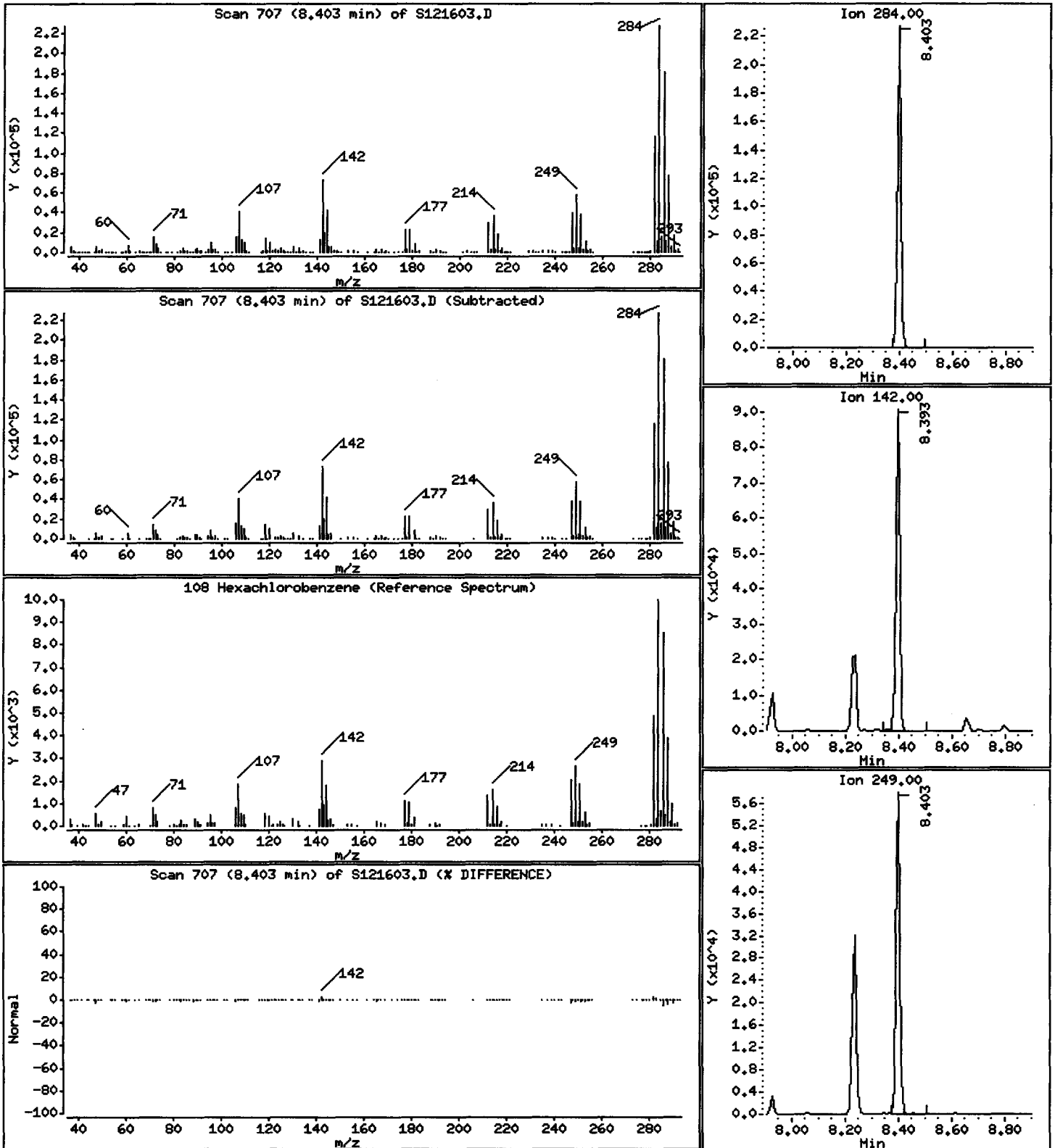
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 93.06 ug/L



TestAmerica West Sacramento

Method 8270C
 Data file : \\sv5\c\chem\sv5.i\121610.B\S121604.D
 Lab Smp Id: MCAHX1AA G0L140439- Client Smp ID: 0349401
 Inj Date : 16-DEC-2010 19:54
 Operator : KT Inst ID: sv5.i
 Smp Info : MCAHX1AA G0L140439-3;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\121610.B\8270f.m
 Meth Date : 17-Dec-2010 12:45 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152		3.460	3.459	(1.000)	95953	40.0000	(q)
* 2 Naphthalene-d8	136		4.869	4.869	(1.000)	408461	40.0000	
* 3 Acenaphthene-d10	164		6.952	6.952	(1.000)	223496	40.0000	
* 4 Phenanthrene-d10	188		8.796	8.796	(1.000)	375548	40.0000	
* 5 Chrysene-d12	240		13.056	13.066	(1.000)	396302	40.0000	
* 6 Perylene-d12	264		15.418	15.418	(1.000)	423640	40.0000	
\$ 7 2-Fluorophenol	112		2.257	2.257	(0.653)	223696	66.1401	66.14
\$ 8 Phenol-d5	99		3.149	3.149	(0.910)	318603	74.9121	74.91
\$ 10 1,2-Dichlorobenzene-d4	152		3.656	3.656	(1.057)	65252	27.6123	27.61 (qR)
\$ 11 Nitrobenzene-d5	82		4.081	4.092	(0.838)	146787	42.4288	42.43
\$ 12 2-Fluorobiphenyl	172		6.175	6.175	(0.888)	298846	41.5093	41.51
\$ 13 2,4,6-Tribromophenol	330		7.926	7.926	(1.140)	98406	101.327	101.3
\$ 14 Terphenyl-d14	244		11.346	11.346	(0.869)	318828	40.8435	40.84
108 Hexachlorobenzene	284		8.392	8.403	(0.954)	1572	0.76782	0.7678 (aq)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation (BLOQ).
- R - Spike/Surrogate failed recovery limits.

Handwritten signature and date: 12/21/10

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: S121604.D
 Lab Smp Id: MCAHX1AA GOL140439-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\121610.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

Calibration Date: 16-DEC-2010
 Calibration Time: 17:06
 Client Smp ID: 0349401
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	95953	-21.75
2 Naphthalene-d8	530514	265257	1061028	408461	-23.01
3 Acenaphthene-d10	282538	141269	565076	223496	-20.90
4 Phenanthrene-d10	462722	231361	925444	375548	-18.84
5 Chrysene-d12	435850	217925	871700	396302	-9.07
6 Perylene-d12	422284	211142	844568	423640	0.32

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	0.00
2 Naphthalene-d8	4.87	4.37	5.37	4.87	0.00
3 Acenaphthene-d10	6.96	6.46	7.46	6.95	-0.15
4 Phenanthrene-d10	8.81	8.31	9.31	8.80	-0.12
5 Chrysene-d12	13.07	12.57	13.57	13.06	-0.08
6 Perylene-d12	15.42	14.92	15.92	15.42	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

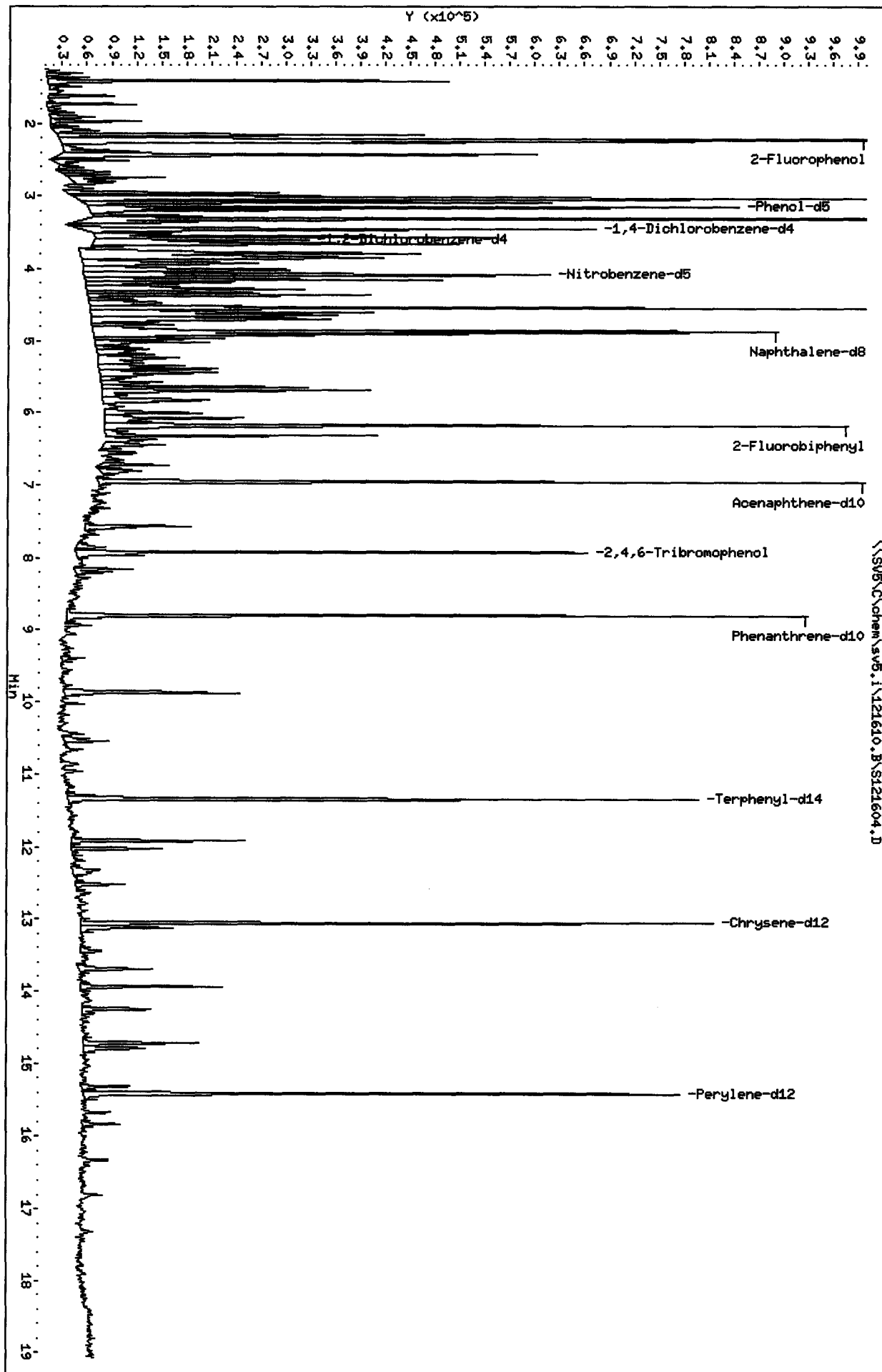
RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: MCAHX1AA G0L140439- Client Smp ID: 0349401
 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\121610.B\8270f.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	100.0	66.14	66.14	41-105
\$ 8 Phenol-d5	100.0	74.91	74.91	43-122
\$ 10 1,2-Dichlorobenzen	50.00	27.61	55.22*	60-120
\$ 11 Nitrobenzene-d5	50.00	42.43	84.86	46-118
\$ 12 2-Fluorobiphenyl	50.00	41.51	83.02	58-105
\$ 13 2,4,6-Tribromophen	100.0	101.3	101.33	61-118
\$ 14 Terphenyl-d14	50.00	40.84	81.69	69-110

Data File: \\SVS\C\chem\sv5.1\121610.B\S121604.D
 Date: 16-DEC-2010 19:54
 Client ID: 0349401
 Sample Info: HCAHX1A4 GOL140439-3101110001100015
 Volume Injected (uL): 1.0
 Column phase:

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



Date : 16-DEC-2010 19:54

Client ID: 0349401

Instrument: sv5.i

Sample Info: MCAHX1AA GOL140439-3;0;;;1000;;1000;5

Volume Injected (uL): 1.0

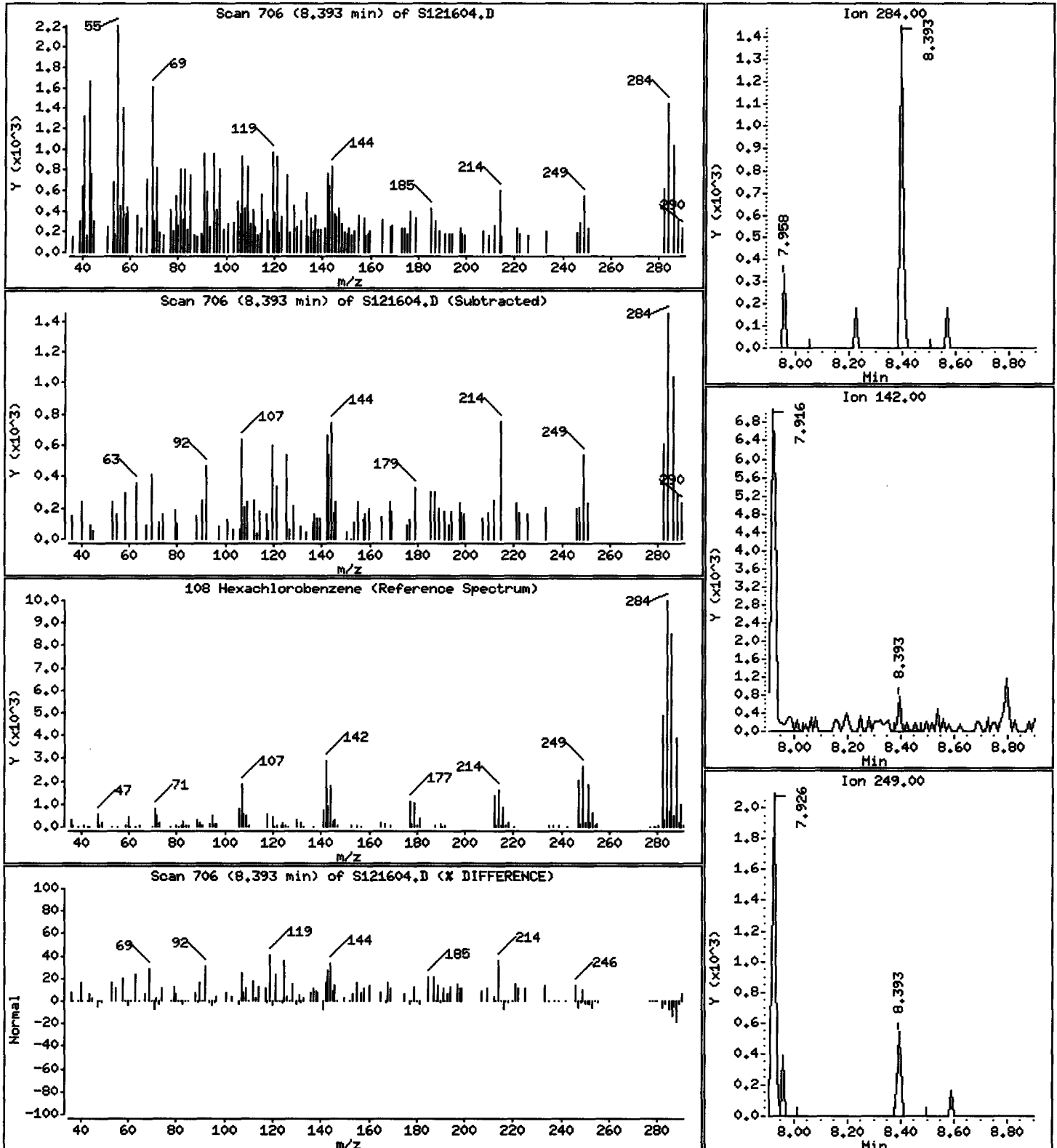
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 0.7678 ug/L



TestAmerica West Sacramento

Method 8270C
 Data file : \\sv5\c\chem\sv5.i\121610.B\S121605.D
 Lab Smp Id: MCAH41AA G0L140439- Client Smp ID: 0349401
 Inj Date : 16-DEC-2010 20:19
 Operator : KT Inst ID: sv5.i
 Smp Info : MCAH41AA G0L140439-6;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\121610.B\8270f.m
 Meth Date : 17-Dec-2010 12:45 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.459	3.459	(1.000)	83974	40.0000	(Q)
* 2 Naphthalene-d8	136	4.869	4.869	(1.000)	355545	40.0000	
* 3 Acenaphthene-d10	164	6.952	6.952	(1.000)	195443	40.0000	
* 4 Phenanthrene-d10	188	8.796	8.796	(1.000)	328661	40.0000	
* 5 Chrysene-d12	240	13.056	13.066	(1.000)	328637	40.0000	
* 6 Perylene-d12	264	15.418	15.418	(1.000)	360107	40.0000	
\$ 7 2-Fluorophenol	112	2.257	2.257	(0.653)	203895	68.8854	68.88
\$ 8 Phenol-d5	99	3.149	3.149	(0.910)	294492	79.1206	79.12
\$ 10 1,2-Dichlorobenzene-d4	152	3.656	3.656	(1.057)	61009	29.4997	29.50 (qR)
\$ 11 Nitrobenzene-d5	82	4.092	4.092	(0.840)	123769	41.0999	41.10
\$ 12 2-Fluorobiphenyl	172	6.175	6.175	(0.888)	274324	43.5724	43.57
\$ 13 2,4,6-Tribromophenol	330	7.926	7.926	(1.140)	87668	103.227	103.2 (q)
\$ 14 Terphenyl-d14	244	11.346	11.346	(0.869)	295702	45.6804	45.68
108 Hexachlorobenzene	284	8.392	8.403	(0.954)	7364	4.10996	4.110

QC Flag Legend

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

12/21/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S121605.D
 Lab Smp Id: MCAH41AA GOL140439-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\121610.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

Calibration Date: 16-DEC-2010
 Calibration Time: 17:06
 Client Smp ID: 0349401
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	83974	-31.52
2 Naphthalene-d8	530514	265257	1061028	355545	-32.98
3 Acenaphthene-d10	282538	141269	565076	195443	-30.83
4 Phenanthrene-d10	462722	231361	925444	328661	-28.97
5 Chrysene-d12	435850	217925	871700	328637	-24.60
6 Perylene-d12	422284	211142	844568	360107	-14.72

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	-0.00
2 Naphthalene-d8	4.87	4.37	5.37	4.87	-0.00
3 Acenaphthene-d10	6.96	6.46	7.46	6.95	-0.15
4 Phenanthrene-d10	8.81	8.31	9.31	8.80	-0.12
5 Chrysene-d12	13.07	12.57	13.57	13.06	-0.08
6 Perylene-d12	15.42	14.92	15.92	15.42	-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

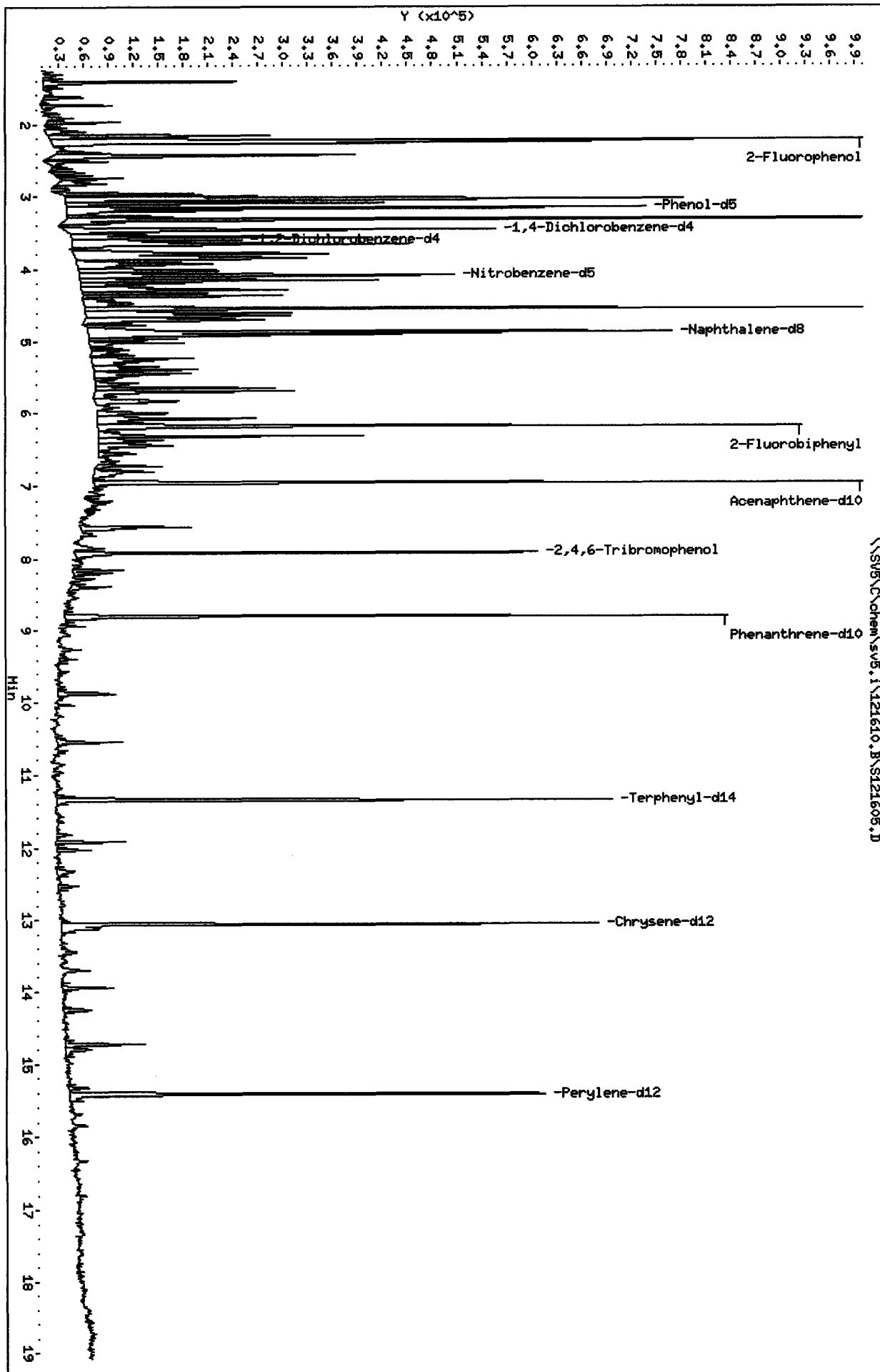
RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: MCAH41AA GOL140439- Client Smp ID: 0349401
 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\121610.B\8270f.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	100.0	68.88	68.89	41-105
\$ 8 Phenol-d5	100.0	79.12	79.12	43-122
\$ 10 1,2-Dichlorobenzen	50.00	29.50	59.00*	60-120
\$ 11 Nitrobenzene-d5	50.00	41.10	82.20	46-118
\$ 12 2-Fluorobiphenyl	50.00	43.57	87.14	58-105
\$ 13 2,4,6-Tribromophen	100.0	103.2	103.23	61-118
\$ 14 Terphenyl-d14	50.00	45.68	91.36	69-110

Data File: \\SV5\C\chem\sv5.1\121610.B\S121605.D
 Date: 16-DEC-2010 20:19
 Client ID: 0349401
 Sample Info: MCH414A COL140439-6f0j11000j11000j5
 Volume Injected (uL): 1.0
 Column phase:

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



Date : 16-DEC-2010 20:19

Client ID: 0349401

Instrument: sv5.i

Sample Info: MCAH41AA GOL140439-6;0;;;1000;;1000;5

Volume Injected (uL): 1.0

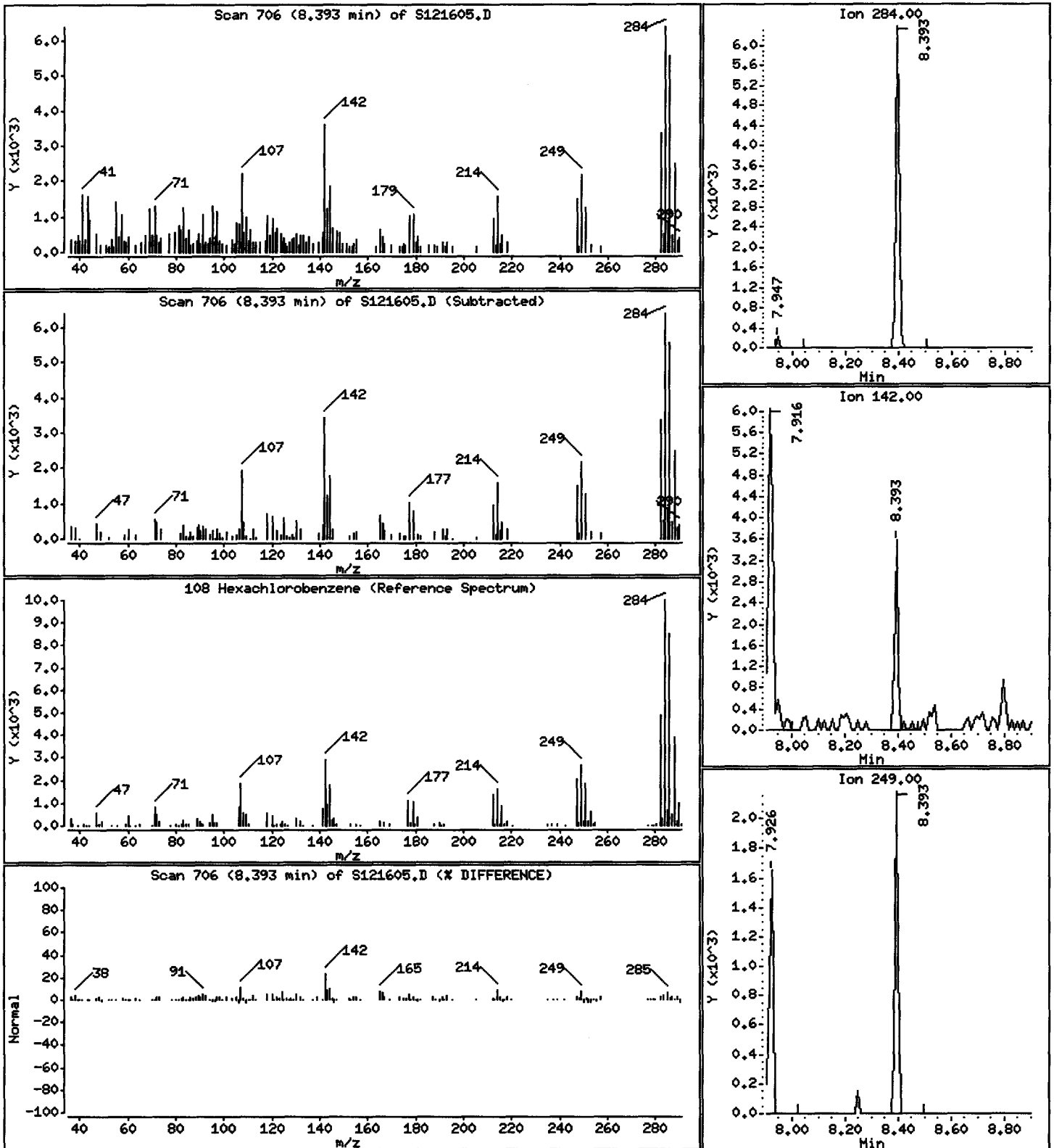
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 4.110 ug/L



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\121610.B\S121606.D
 Lab Smp Id: MCAH91AA G0L140439- Client Smp ID: 0349401
 Inj Date : 16-DEC-2010 20:43
 Operator : KT Inst ID: sv5.i
 Smp Info : MCAH91AA G0L140439-9;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;;0;0349401;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\121610.B\8270f.m
 Meth Date : 17-Dec-2010 12:45 sv5.i Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 6
 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152		3.460	3.459	(1.000)	95611	40.0000	(q)
* 2 Naphthalene-d8	136		4.869	4.869	(1.000)	405467	40.0000	
* 3 Acenaphthene-d10	164		6.952	6.952	(1.000)	222937	40.0000	
* 4 Phenanthrene-d10	188		8.796	8.796	(1.000)	360275	40.0000	
* 5 Chrysene-d12	240		13.056	13.066	(1.000)	357028	40.0000	
* 6 Perylene-d12	264		15.418	15.418	(1.000)	365185	40.0000	
\$ 7 2-Fluorophenol	112		2.257	2.257	(0.653)	240353	71.3193	71.32
\$ 8 Phenol-d5	99		3.149	3.149	(0.910)	362986	85.6531	85.65
\$ 10 1,2-Dichlorobenzene-d4	152		3.656	3.656	(1.057)	70202	29.8133	29.81 (qR)
\$ 11 Nitrobenzene-d5	82		4.092	4.092	(0.840)	152408	44.3788	44.38
\$ 12 2-Fluorobiphenyl	172		6.175	6.175	(0.888)	320564	44.6375	44.64
\$ 13 2,4,6-Tribromophenol	330		7.926	7.926	(1.140)	95945	99.0406	99.04
\$ 14 Terphenyl-d14	244		11.346	11.346	(0.869)	318307	45.2623	45.26
108 Hexachlorobenzene	284		8.403	8.403	(0.955)	1371	0.69803	0.6980 (aq)

Handwritten signature and date: 12/21/10

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.

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: S121606.D
 Lab Smp Id: MCAH91AA GOL140439-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\121610.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

Calibration Date: 16-DEC-2010
 Calibration Time: 17:06
 Client Smp ID: 0349401
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	95611	-22.03
2 Naphthalene-d8	530514	265257	1061028	405467	-23.57
3 Acenaphthene-d10	282538	141269	565076	222937	-21.09
4 Phenanthrene-d10	462722	231361	925444	360275	-22.14
5 Chrysene-d12	435850	217925	871700	357028	-18.08
6 Perylene-d12	422284	211142	844568	365185	-13.52

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	0.00
2 Naphthalene-d8	4.87	4.37	5.37	4.87	0.00
3 Acenaphthene-d10	6.96	6.46	7.46	6.95	-0.15
4 Phenanthrene-d10	8.81	8.31	9.31	8.80	-0.12
5 Chrysene-d12	13.07	12.57	13.57	13.06	-0.08
6 Perylene-d12	15.42	14.92	15.92	15.42	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

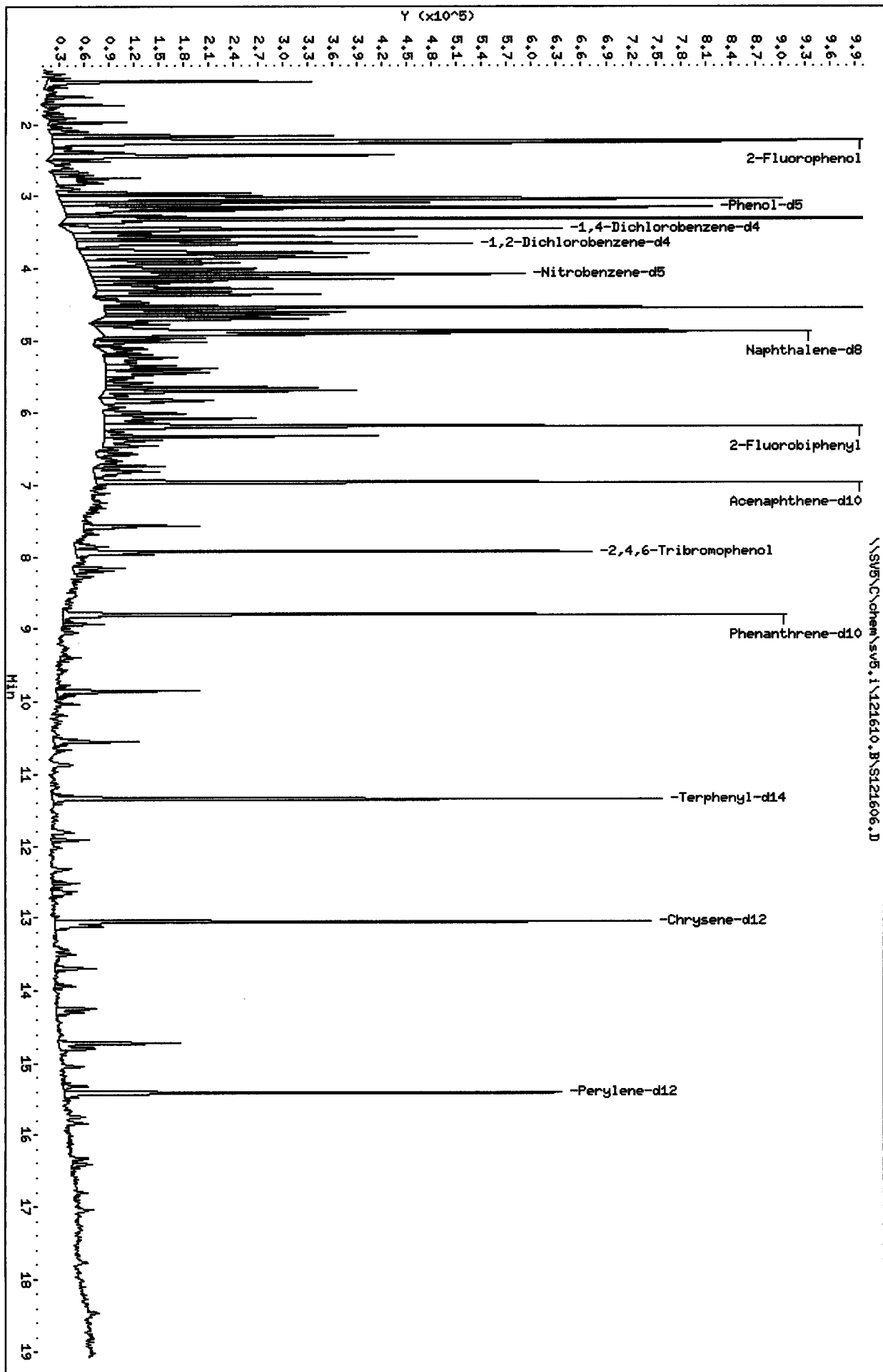
RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: MCAH91AA GOL140439- Client Smp ID: 0349401
 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\121610.B\8270f.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	100.0	71.32	71.32	41-105
\$ 8 Phenol-d5	100.0	85.65	85.65	43-122
\$ 10 1,2-Dichlorobenzen	50.00	29.81	59.63*	60-120
\$ 11 Nitrobenzene-d5	50.00	44.38	88.76	46-118
\$ 12 2-Fluorobiphenyl	50.00	44.64	89.28	58-105
\$ 13 2,4,6-Tribromophen	100.0	99.04	99.04	61-118
\$ 14 Terphenyl-d14	50.00	45.26	90.52	69-110

Data File: \\SVS\C\chem\sv5.1\121610.B\S121606.D
 Date: 16-DEC-2010 20:43
 Client Id: 0349401
 Sample Info: HCAH91AA COL140439-910;11000;11000;15
 Volume Injected (uL): 1.0
 Column phase:

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



Date : 16-DEC-2010 20:43

Client ID: 0349401

Instrument: sv5.i

Sample Info: MCAH91AA GOL140439-9;0;;;1000;;1000;5

Volume Injected (uL): 1.0

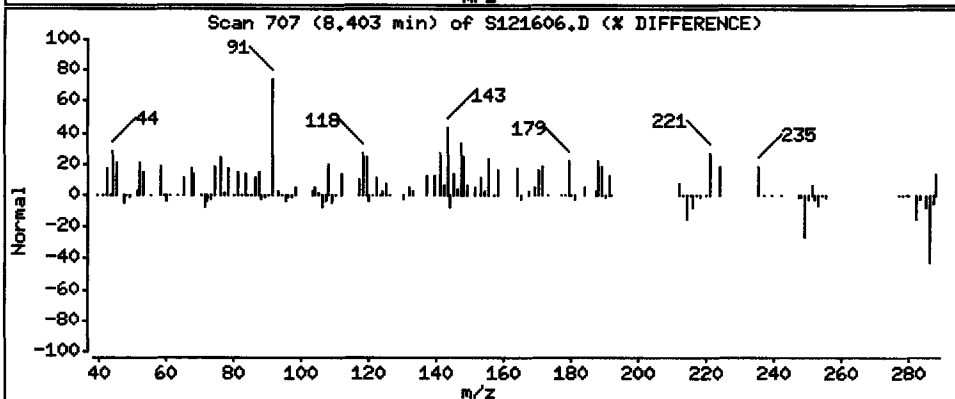
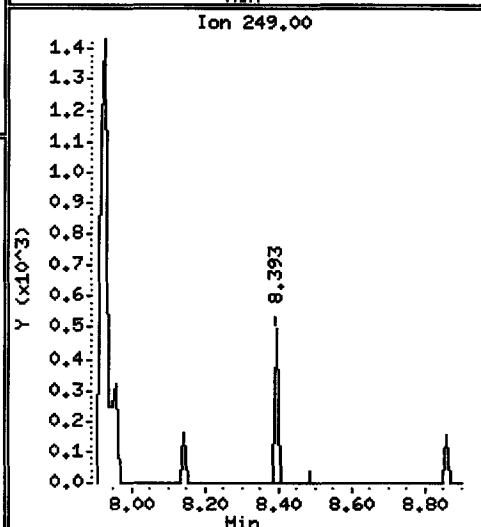
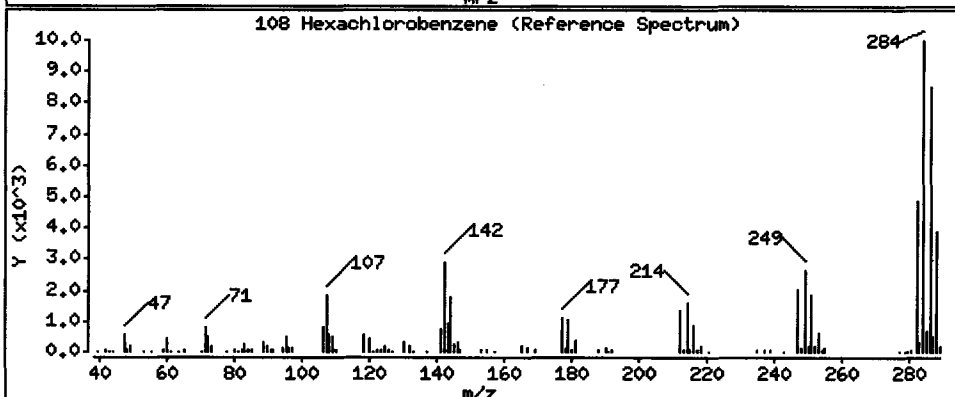
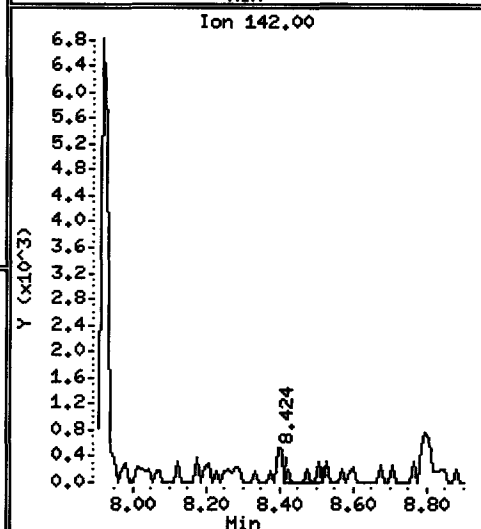
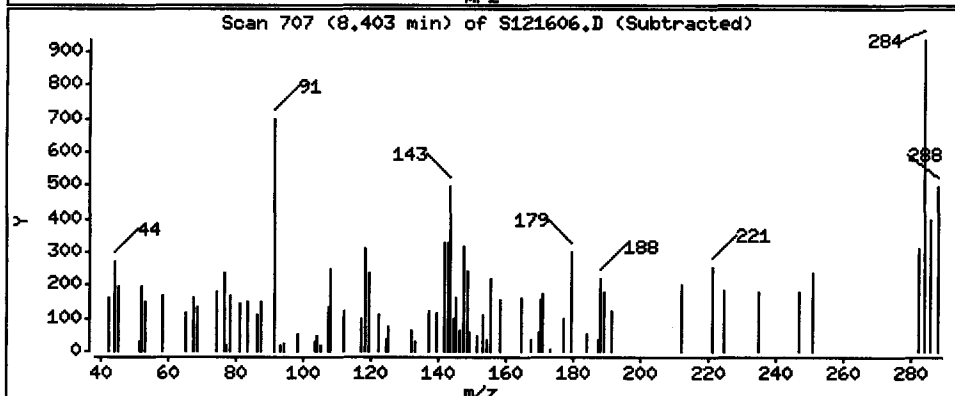
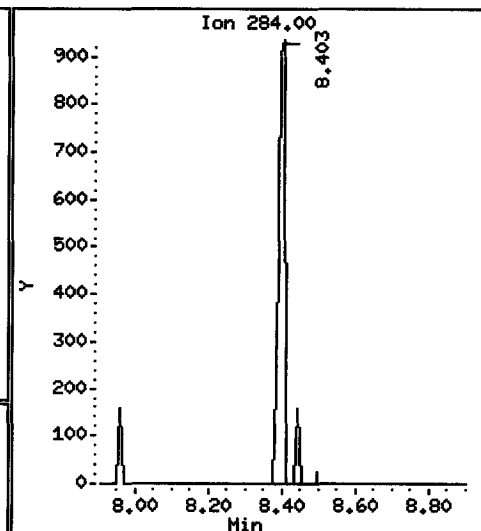
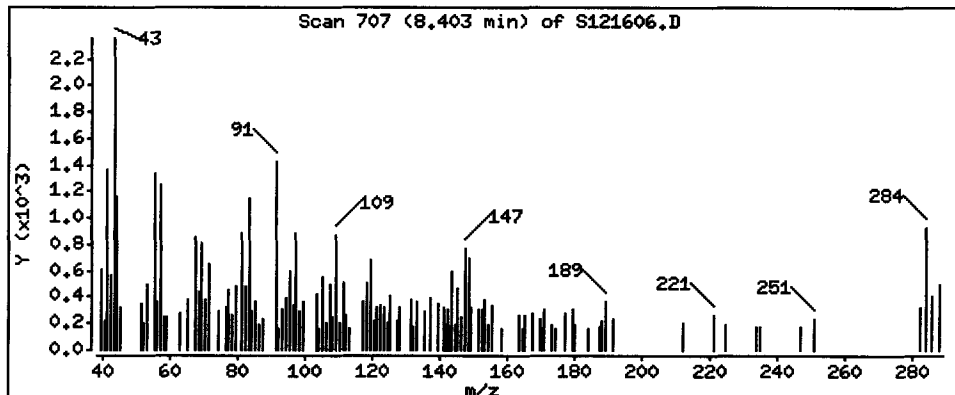
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 0.6980 ug/L



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\121610.B\S121607.D
 Lab Smp Id: MCAJE1AA GOL140439- Client Smp ID: 0349401
 Inj Date : 16-DEC-2010 21:08
 Operator : KT Inst ID: sv5.i
 Smp Info : MCAJE1AA GOL140439-12;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;;0;0349401;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\121610.B\8270f.m
 Meth Date : 17-Dec-2010 12:45 sv5.i Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 7
 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.459	3.459	(1.000)	92069	40.0000	(q)
* 2 Naphthalene-d8	136	4.869	4.869	(1.000)	387352	40.0000	
* 3 Acenaphthene-d10	164	6.952	6.952	(1.000)	206191	40.0000	
* 4 Phenanthrene-d10	188	8.796	8.796	(1.000)	341864	40.0000	
* 5 Chrysene-d12	240	13.055	13.066	(1.000)	376558	40.0000	
* 6 Perylene-d12	264	15.418	15.418	(1.000)	396968	40.0000	
\$ 7 2-Fluorophenol	112	2.257	2.257	(0.653)	218049	67.1902	67.19
\$ 8 Phenol-d5	99	3.148	3.149	(0.910)	314880	77.1601	77.16
\$ 10 1,2-Dichlorobenzene-d4	152	3.656	3.656	(1.057)	64622	28.4993	28.50 (qR)
\$ 11 Nitrobenzene-d5	82	4.091	4.092	(0.840)	135307	41.2418	41.24
\$ 12 2-Fluorobiphenyl	172	6.174	6.175	(0.888)	275463	41.4726	41.47
\$ 13 2,4,6-Tribromophenol	330	7.926	7.926	(1.140)	90679	101.207	101.2
\$ 14 Terphenyl-d14	244	11.346	11.346	(0.869)	300448	40.5070	40.51
108 Hexachlorobenzene	284	8.392	8.403	(0.954)	9216	4.94494	4.945

QC Flag Legend

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

Handwritten: 5
10/21/10

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i	Calibration Date: 16-DEC-2010
Lab File ID: S121607.D	Calibration Time: 17:06
Lab Smp Id: MCAJE1AA G0L140439-	Client Smp ID: 0349401
Analysis Type: SV	Level: LOW
Quant Type: ISTD	Sample Type: AIR
Operator: KT	
Method File: \\SV5\C\chem\sv5.i\121610.B\8270F.m	
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M	

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	92069	-24.92
2 Naphthalene-d8	530514	265257	1061028	387352	-26.99
3 Acenaphthene-d10	282538	141269	565076	206191	-27.02
4 Phenanthrene-d10	462722	231361	925444	341864	-26.12
5 Chrysene-d12	435850	217925	871700	376558	-13.60
6 Perylene-d12	422284	211142	844568	396968	-6.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.46	2.96	3.96	3.46	-0.01
2 Naphthalene-d8	4.87	4.37	5.37	4.87	-0.00
3 Acenaphthene-d10	6.96	6.46	7.46	6.95	-0.15
4 Phenanthrene-d10	8.81	8.31	9.31	8.80	-0.12
5 Chrysene-d12	13.07	12.57	13.57	13.06	-0.08
6 Perylene-d12	15.42	14.92	15.92	15.42	-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

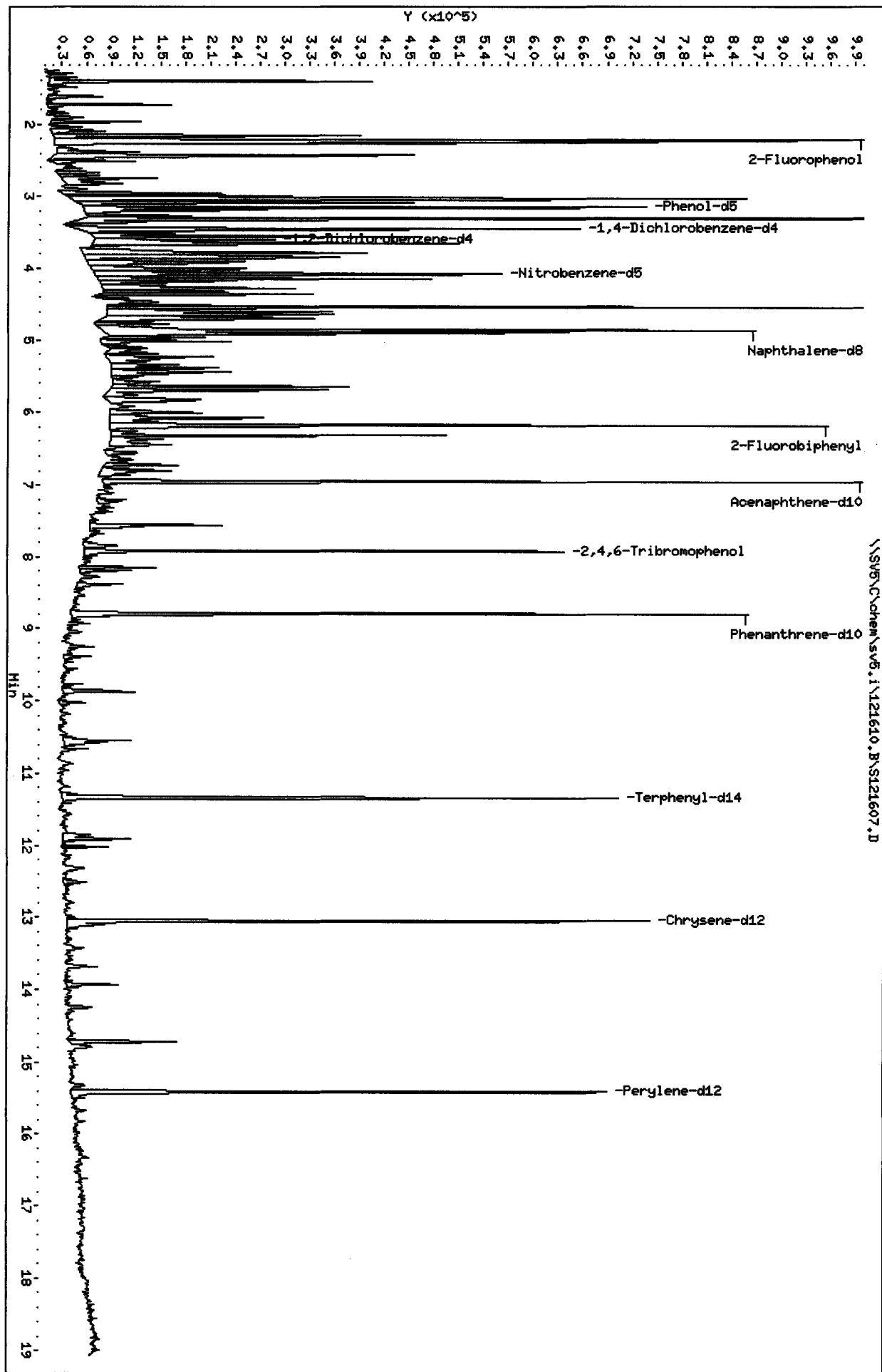
RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: MCAJE1AA GOL140439- Client Smp ID: 0349401
 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\121610.B\8270f.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0349401;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	100.0	67.19	67.19	41-105
\$ 8 Phenol-d5	100.0	77.16	77.16	43-122
\$ 10 1,2-Dichlorobenzen	50.00	28.50	57.00*	60-120
\$ 11 Nitrobenzene-d5	50.00	41.24	82.48	46-118
\$ 12 2-Fluorobiphenyl	50.00	41.47	82.95	58-105
\$ 13 2,4,6-Tribromophen	100.0	101.2	101.21	61-118
\$ 14 Terphenyl-d14	50.00	40.51	81.01	69-110

Data File: \\SV5\C\chem\sv5.1\121610.B\S121607.D
 Date: 16-DEC-2010 21:08
 Client ID: 0349401
 Sample Info: HCAJEL08 GOL140439-12101110001100015
 Volume Injected (uL): 1.0
 Column phase:

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



Date : 16-DEC-2010 21:08

Client ID: 0349401

Instrument: sv5.i

Sample Info: MCAJE1AA GOL140439-12;0;;;1000;;1000;5

Volume Injected (uL): 1.0

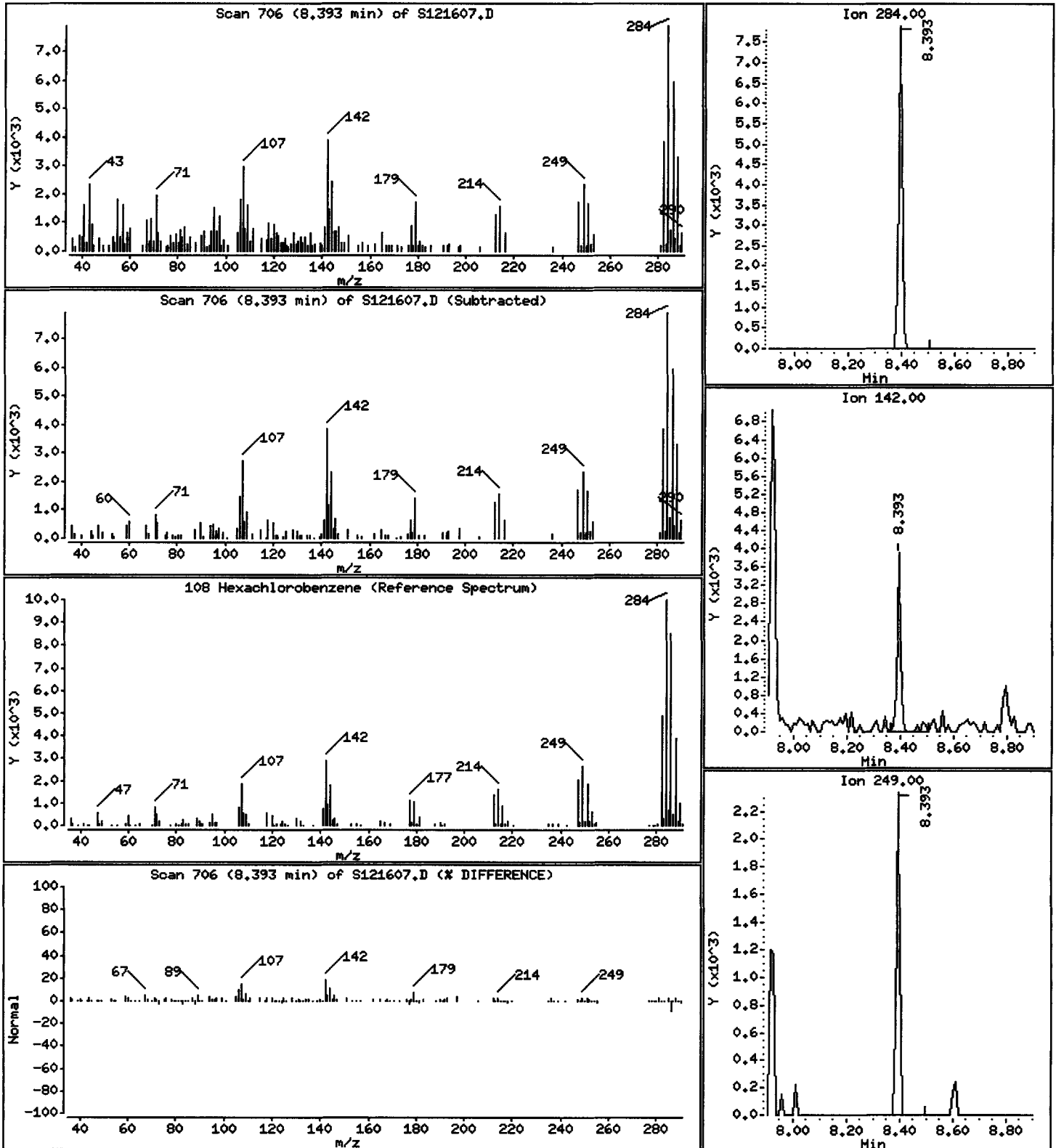
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 4.945 ug/L



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Instrument: SV5

DFTPP Mix ID: 10MSSV0129

Injection Date: 10/02/10

STD Mix IDs: 10MSSV0307-0313

Initiator/Date: KT-10/03/10

2nd Source Mix ID: 10MSSV0314, 342

Reviewer/Date: *D. J. 10/4/10*

NCM _____

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

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2,4-Dinitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorocyclopentadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

	Initiated	Reviewed		Initiated	Reviewed
Phenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Acenaphthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1,4-Dichlorobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N-nitrosodiphenylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pentachlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4-Dichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fluoranthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorobutadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Di-n-octyl phthalate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4-chloro-3-methylphenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Benzo(a)pyrene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4,6-Trichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

III: Other Criteria

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: _____

Initiated	Reviewed
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

None

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

None

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		

SVS HSL
 10/3/10

Report Date : 03-Oct-2010 11:10

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	120.0000							Coefficients		RSD of R^2
	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	b	m1		m2
15 N-Nitrosodimethylamine	0.92899 0.93833	0.88268	0.91048	0.91970	0.93146	0.93916	AVRG	0.92154		2.16207
16 Pyridine	1.67117 1.52623	1.37423	1.59449	1.56610	1.52299	1.53256	AVRG	1.54111		5.85560
23 Aniline	2.20796 2.33783	2.15935	2.19988	2.26058	2.29749	2.33400	AVRG	2.25673		3.09753
24 Phenol	2.04111 2.06740	1.96212	2.02834	2.03430	2.06683	2.06089	AVRG	2.03729		1.80250

Manual calculation for 2.4.5-Trichlorophenol @ Level 3:
 $\frac{55529}{328608} \times \frac{60}{20} = 0.33796$ 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	Levels							Curve	Coefficients		RSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	b		m1	m2	
26 Bis(2-chloroethyl)ether	1.47335 1.44264	1.38252	1.39491	1.43824	1.42549	1.44300	AVRG	1.42859			2.17028
27 2-Chlorophenol	1.52099 1.57039	1.55595	1.56903	1.58168	1.56789	1.58074	AVRG	1.56381			1.32805
28 1,3-Dichlorobenzene	1.68903 1.72457	1.69173	1.67754	1.73135	1.68641	1.72299	AVRG	1.70337			1.29370
29 1,4-Dichlorobenzene	1.77122 1.81444	1.79861	1.74013	1.76898	1.78200	1.79288	AVRG	1.78118			1.35229
30 Benzyl Alcohol	1.01643 1.09506	1.03654	0.99182	1.04980	1.07792	1.08952	AVRG	1.05101			3.69696
31 1,2-Dichlorobenzene	1.62008 1.64691	1.63185	1.60455	1.68061	1.63410	1.64415	AVRG	1.63746			1.45884
32 2-Methylphenol	1.40818 1.47889	1.38930	1.39110	1.42620	1.45565	1.46154	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	Coefficients							Curve	Level 6	Level 5	Level 4	Level 3	Level 2	Level 1	RSD or R ²
	b	m1	m2	m3	m4	m5	m6								
33 2,2'-oxybis(1-Chloropropane)	2.29602	2.22080	2.28329	2.27928	2.27018	2.27830	AVRG								1.08468
34 4-Methylphenol	1.48606	1.48913	1.46270	1.52239	1.52653	1.55886	AVRG								2.88378
36 Hexachloroethane	0.60925	0.60836	0.60573	0.61394	0.60427	0.59381	AVRG								1.04319
37 N-Nitrosodipropylamine	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627	AVRG								3.92615
42 Nitrobenzene	0.32855	0.32602	0.32543	0.33083	0.33379	0.33450	AVRG								1.48904
44 Isophorone	0.63431	0.62291	0.61160	0.63344	0.63648	0.66468	AVRG								2.81109
45 2-Nitrophenol	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702	AVRG								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		10.0000		20.0000		50.0000		80.0000		120.0000		Curve	b	Coefficients		RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5			Level 6	ml		m2
46 2,4-Dimethylphenol	0.34459	0.34167	0.34307	0.34912	0.34788	0.35362		AVRG	0.34911								2.02786
47 Bis(2-chloroethoxy)methane	0.41146	0.37494	0.38565	0.38249	0.38500	0.39859		AVRG	0.38908								3.10601
49 2,4-Dichlorophenol	0.25434	0.26318	0.27019	0.27037	0.27274	0.28180		AVRG	0.27010								3.39345
50 Benzoic Acid	0.16747	0.16266	0.17423	0.19357	0.21024	0.22272		AVRG	0.19324								13.25202
51 1,2,4-Trichlorobenzene	0.29430	0.28827	0.28475	0.29747	0.29189	0.29959		AVRG	0.29246								1.75989
52 Naphthalene	1.09939	1.12462	1.07435	1.09325	1.09870	1.13821		AVRG	1.10443								1.89960
54 4-Chloroaniline	0.40751	0.42534	0.43264	0.43910	0.43781	0.44905		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							20.0000							50.0000							80.0000							120.0000							Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	m1	m2										
57 Hexachlorobutadiene	0.14295	0.13812	0.14428	0.14415	0.14385	0.14379	0.14473	0.28866	0.29079	0.30972	0.30972	0.30295	0.31766	0.31766	0.68064	0.70067	0.70560	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.69378	0.69378	1.79740										
60 4-Chloro-3-Methylphenol	0.29329	0.28866	0.29079	0.30972	0.30295	0.31766	0.30839	0.68064	0.70067	0.70560	0.71172	0.71172	0.71172	0.71172	0.68064	0.70067	0.70560	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.30164	0.30164	3.64422										
63 2-Methylnaphthalene	0.68483	0.68064	0.68064	0.70067	0.70560	0.71172	0.69217	0.68064	0.70067	0.70560	0.71172	0.71172	0.71172	0.71172	0.68064	0.70067	0.70560	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.71172	0.69378	0.69378	1.79740										
66 Hexachlorocyclopentadiene	0.26878	0.27757	0.28896	0.29704	0.30236	0.32262	0.33186	0.28896	0.29704	0.30236	0.32262	0.32262	0.32262	0.32262	0.28896	0.29704	0.30236	0.32262	0.32262	0.32262	0.32262	0.32262	0.32262	0.32262	0.32262	0.32262	0.29846	0.29846	7.64489											
69 2,4,6-Trichlorophenol	0.31186	0.29820	0.30223	0.31996	0.32305	0.34225	0.33638	0.30223	0.31996	0.32305	0.34225	0.34225	0.34225	0.34225	0.30223	0.31996	0.32305	0.34225	0.34225	0.34225	0.34225	0.34225	0.34225	0.34225	0.34225	0.34225	0.31913	0.31913	5.15654											
70 2,4,5-Trichlorophenol	0.30823	0.32892	0.33796	0.36298	0.35236	0.35480	0.36135	0.33796	0.36298	0.35236	0.35480	0.35480	0.35480	0.35480	0.33796	0.36298	0.35236	0.35480	0.35480	0.35480	0.35480	0.35480	0.35480	0.35480	0.35480	0.35480	0.34380	0.34380	5.80662											
71 2-Chloronaphthalene	1.13629	1.09411	1.10012	1.14181	1.11220	1.14447	1.15096	1.10012	1.14181	1.11220	1.14447	1.14447	1.14447	1.14447	1.10012	1.14181	1.11220	1.14447	1.14447	1.14447	1.14447	1.14447	1.14447	1.14447	1.14447	1.14447	1.12571	1.12571	2.05054											

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 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:09 onishim

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

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 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
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Compound	Coefficients							m2	mRSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	b		
83 Dibenzofuran	1.57786 1.71077	1.62124	1.65200	1.69530	1.65117	1.68450	1.65612	2.77923	
84 4-Nitrophenol	0.12712 0.17404	0.14148	0.15316	0.16076	0.17130	0.16653	0.15634	10.90920	
86 2,4-Dinitrotoluene	0.34360 0.43110	0.35989	0.38479	0.42154	0.41035	0.42305	0.39633	8.61592	
91 Fluorene	1.34567 1.40640	1.33840	1.34292	1.39902	1.38899	1.37835	1.37139	2.08557	
92 Diethylphthalate	1.22240 1.38087	1.29889	1.31549	1.37912	1.31873	1.37345	1.32699	4.31889	
93 4-Chlorophenyl-phenylether	0.54964 0.57695	0.55917	0.56687	0.59265	0.56708	0.57695	0.57019	2.42913	
94 4-Nitroaniline	0.33346 0.40452	0.33747	0.37329	0.38337	0.39216	0.39102	0.37361	7.42395	

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Compound	5.0000		10.0000		20.0000		50.0000		80.0000		120.0000		Coefficients ml	b	Curve	mz	RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 5	Level 4	Level 3	Level 2	Level 1	Level 6					
97 4,6-Dinitro-2-methylphenol	5780 324244	11282	32982	76137	134784	236477							0.10840	0.15581	LINEAR		0.99840
98 N-Nitrosodiphenylamine	0.57756 0.61968	0.59736	0.60533	0.60433	0.62172	0.61801							0.60628		AVRG		2.57715
100 Azobenzene	0.77527 0.77331	0.76965	0.77321	0.79522	0.80064	0.81892							0.78660		AVRG		2.37146
101 4-Bromophenyl-phenylether	0.18964 0.19815	0.18507	0.19281	0.19931	0.19607	0.20581							0.19527		AVRG		3.48752
108 Hexachlorobenzene	0.22958 0.21854	0.22054	0.20740	0.21605	0.21731	0.21704							0.21807		AVRG		3.00928
110 Pentachlorophenol	5849 293184	10551	30451	67882	126397	215360							0.09816	0.14122	LINEAR		0.99845
114 Phenanthrene	1.30347 1.26611	1.26007	1.25408	1.24163	1.24375	1.25610							1.26074		AVRG		1.64308

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Compound	5.0000		10.0000		20.0000		50.0000		80.0000		120.0000		Curve	b	Coefficients		m2	RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 6	ml	ml									
115 Anthracene	1.25034	1.21759	1.24206	1.25982	1.27529	1.30214	AVRG	1.25955	2.12888									
118 Carbazole	1.13211	1.12547	1.13694	1.14260	1.17067	1.18192	AVRG	1.15061	1.87826									
120 Di-n-Butylphthalate	1.28492	1.32287	1.36193	1.38164	1.41474	1.43847	AVRG	1.38442	4.97257									
126 Fluoranthene	1.03840	1.07611	1.17216	1.10520	1.15861	1.18294	AVRG	1.12969	5.01774									
127 Benzidine	0.78175	0.76431	0.75250	0.82658	0.82201	0.86375	AVRG	0.81067	5.60614									
128 Pyrene	1.25791	1.23783	1.17078	1.28684	1.25586	1.28463	AVRG	1.25025	3.12172									
134 3,3'-dimethylbenzidine	0.65472	0.64388	0.67361	0.70756	0.73630	0.79414	AVRG	0.71564	8.88815									

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Compound	5.0000							20.0000							50.0000							80.0000							120.0000							Curve	b	Coefficients		m2	RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	ml	m2											
136 Butylbenzylphthalate	0.64984	0.60187	0.59142	0.62586	0.61590	0.65233	0.64920	0.60187	0.59142	0.62586	0.61590	0.65233	0.64920	0.62586	0.61590	0.65233	0.64920	0.61590	0.65233	0.64920	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	0.99731	1.03245	1.04489	1.06449	1.10831	1.10920	1.04489	1.06449	1.10831	1.10920	1.06449	1.10831	1.10920	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	1.10175	1.06320	1.09705	1.06985	1.12241	1.12246	1.06320	1.09705	1.06985	1.12241	1.09705	1.06985	1.12241	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	0.37695	0.39090	0.39906	0.40353	0.42717	0.42415	0.39090	0.39906	0.40353	0.42717	0.39906	0.40353	0.42717	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	0.89354	0.80897	0.84032	0.85193	0.84371	0.89539	0.89354	0.84032	0.85193	0.84371	0.89539	0.85193	0.84371	0.89539	0.89539	0.89354	AVRG	0.86316	4.34816																
142 Di-n-octylphthalate	1.34838	1.23185	1.35627	1.34433	1.39956	1.47616	1.50770	1.23185	1.35627	1.34433	1.39956	1.47616	1.50770	1.34433	1.39956	1.47616	1.50770	1.39956	1.47616	1.50770	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	0.81077	0.82747	0.99930	0.95373	0.91132	1.02572	0.82747	0.99930	0.95373	0.91132	0.99930	0.95373	0.91132	0.91132	1.02572	AVRG	0.90549	10.05836																

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Compound	Level							Curve	Coefficients		RSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	b		m1	m2	
145 Benzo (k) Fluoranthene	1.22939 1.10447	1.16528	1.20022	1.09895	1.14223	1.19597	AVRG	1.16236			4.27893
147 Benzo (e) pyrene	0.90394 0.97185	0.92734	0.90757	0.95977	0.96997	0.96929	AVRG	0.94425			3.22007
148 Benzo (a) pyrene	0.98300 1.06523	0.97686	0.99402	1.02789	1.07610	1.06275	AVRG	1.02655			4.11137
151 Indeno (1,2,3-cd) pyrene	0.73783 0.97995	0.73267	0.73671	0.84698	0.84057	0.93730	AVRG	0.83029			12.15083
152 Dibenzo (a,h) anthracene	0.88099 1.00392	0.84384	0.87256	0.92240	0.95990	1.00944	AVRG	0.92758			7.07091
153 Benzo (g,h,i) perylene	0.96025 1.04026	0.98457	0.97380	0.99974	1.01731	1.05397	AVRG	1.00427			3.45188
M 162 benzo b,k Fluoranthene Totals	2.03951 2.13019	1.97605	2.02770	2.09825	2.09596	2.10729	AVRG	2.06785			2.64859

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Compound	5.0000	10.0000	20.0000	50.0000	80.0000	120.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
160.0000 Level 7											
\$ 7 2-Fluorophenol	1.44503	1.30436	1.38373	1.44170	1.43535	1.42292	AVRG		1.40992		3.61494
	1.43635										
\$ 8 Phenol-d5	1.72227	1.67335	1.74151	1.79006	1.80863	1.83864	AVRG		1.77296		3.52001
	1.83627										
\$ 9 2-Chlorophenol-d4	1.47770	1.55530	1.53916	1.59414	1.57486	1.57967	AVRG		1.55698		2.52388
	1.57804										
\$ 10 1,2-Dichlorobenzene-d4	0.95776	0.98111	0.99827	0.98914	0.99518	0.98547	AVRG		0.98513		1.35559
	0.98896										
\$ 11 Nitrobenzene-d5	0.33028	0.34256	0.33065	0.34105	0.33606	0.35127	AVRG		0.33879		2.16217
	0.33970										
\$ 12 2-Fluorobiphenyl	1.28499	1.26007	1.27668	1.34206	1.25854	1.29723	AVRG		1.28852		2.22622
	1.30010										
\$ 13 2,4,6-Tribromophenol	0.15034	0.16527	0.17466	0.17926	0.17825	0.18901	AVRG		0.17381		7.05197
	0.18390										

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 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	b	Coefficients m1	m2	RSR or R^2
----- 160.0000 Level 7 -----											
\$ 14 Terphenyl-di4	0.78508 0.80107	0.78616	0.73917	0.80441	0.78047	0.81889	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 : ISFD
 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	Ant = Resp/ml	Response
Linear	Ant = b + Rep/ml	Response
Quad	Ant = b + m1*Rep + m2*Rep^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/ml
 ml = 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|	65249|	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
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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	
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7 1_8270STD	\sv5\c\chem\sv5.i\092910.B\HSL0929	
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8 1_8270STD	\sv5\c\chem\sv5.i\092910.B\QC001	
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9 1_8270STD	\sv5\c\chem\sv5.i\092810A.B\HSL0928	
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10 1_8270STD	\sv5\c\chem\sv5.i\092810.B\HSL0928	
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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	
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16 1_8270STD	\sv5\c\chem\sv5.i\092310A.B\HSL0923A	
+-----+		
17 1_8270STD	\sv5\c\chem\sv5.i\092310A.B\QC001	
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19 1_8270STD	\sv5\c\chem\sv5.i\092310.B\HSL0923	
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20 1_8270STD	\sv5\c\chem\sv5.i\092210.B\HSL0922a	
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21 1_8270STD	\sv5\c\chem\sv5.i\092210.B\HSL0922	
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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	
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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	
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31 1_8270STD	\sv5\c\chem\sv5.i\091510b.B\HSL0915b	
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32 1_8270STD	\sv5\c\chem\sv5.i\091510b.B\QC003	
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33 1_8270STD	\sv5\c\chem\sv5.i\091010.B\HSL0910	
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34 1_8270STD	\sv5\c\chem\sv5.i\091010.B\QC001	
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35 1_8270STD	\\sv5\c\chem\sv5.i\090910a.B\HSL0909a	
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36 1_8270STD	\\SV5\C\chem\sv5.i\090910.B\HSL0909	
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37 1_8270STD	\\SV5\C\chem\sv5.i\090910.B\QC001	
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38 1_8270STD	\\SV5\C\chem\sv5.i\090810.B\HSL0908	
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39 1_8270STD	\\SV5\C\chem\sv5.i\090810.B\Primer	
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40 1_8270STD	\\sv5\c\chem\sv5.i\090710.B\HSL0907	
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41 1_8270STD	\\SV5\C\chem\sv5.i\090710.B\HSL0907	
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42 1_8270STD	\\sv5\c\chem\sv5.i\090110.B\HSL0901	
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43 1_8270STD	\\SV5\C\chem\sv5.i\083110.B\HSL0831	
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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	
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48 1_8270STD	\\SV5\C\chem\sv5.i\082610.B\HSL0826	
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49 1_8270STD	\\SV5\C\chem\sv5.i\082610.B\QC001	
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51 1_8270STD	\\SV5\C\chem\sv5.i\082510.B\HSL0825	
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52 1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823	
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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	
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59 1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818	
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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/ml
 ml = 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
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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
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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	
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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	
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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

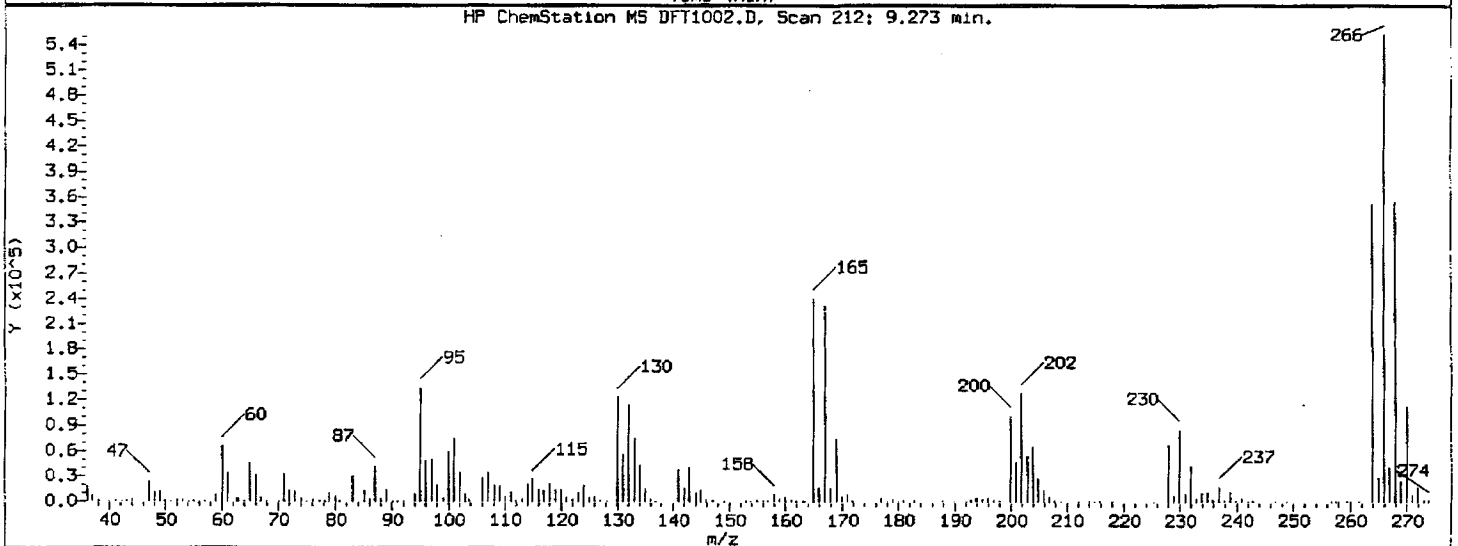
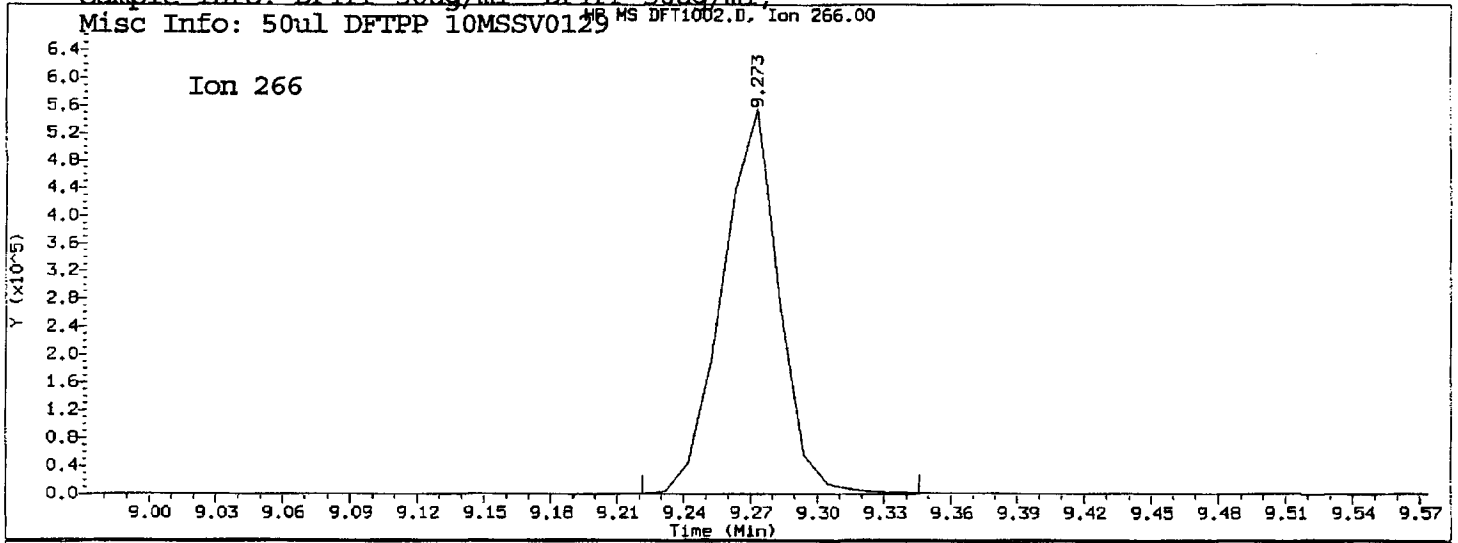
Sample //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D

 *** 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 MS DFT1002.D, Ion 266.00



Pentachlorophenol

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

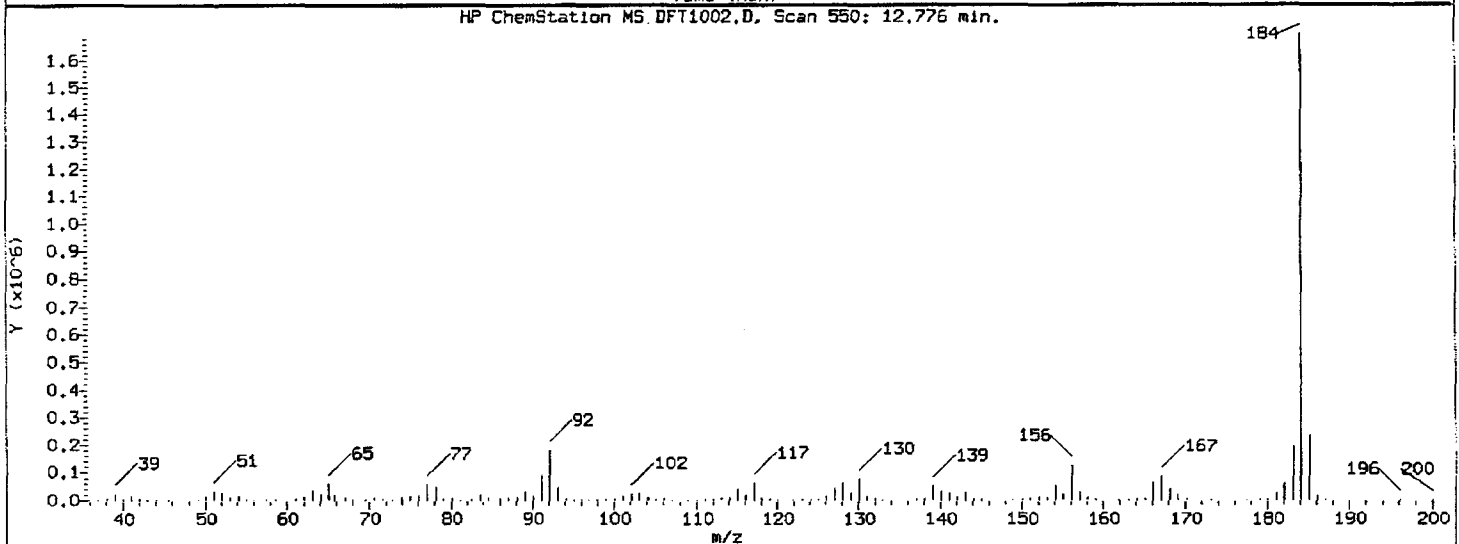
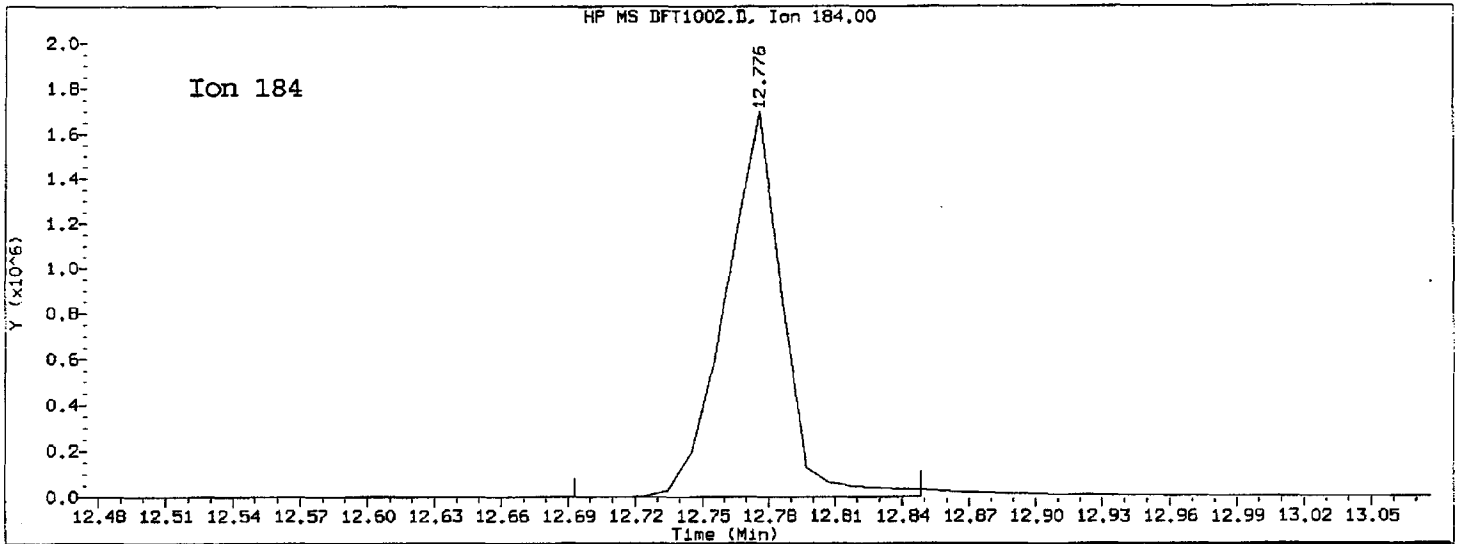
Time1 = 9.243001 Time2 = 9.273333 Time3 = 9.294038
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

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

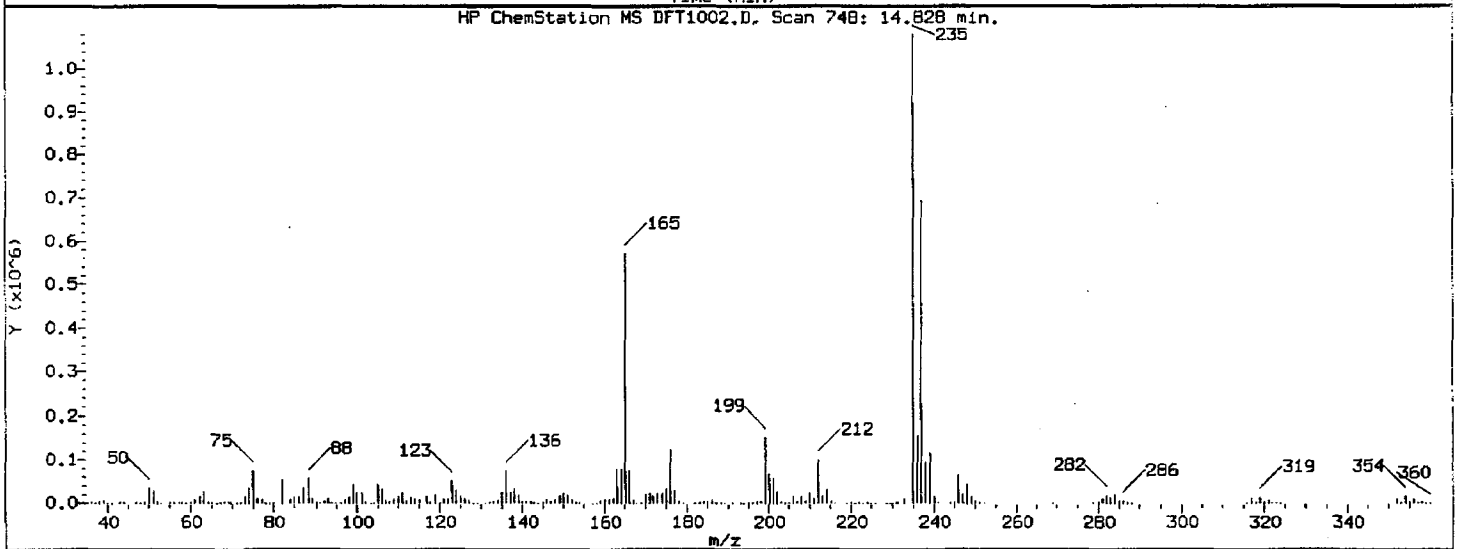
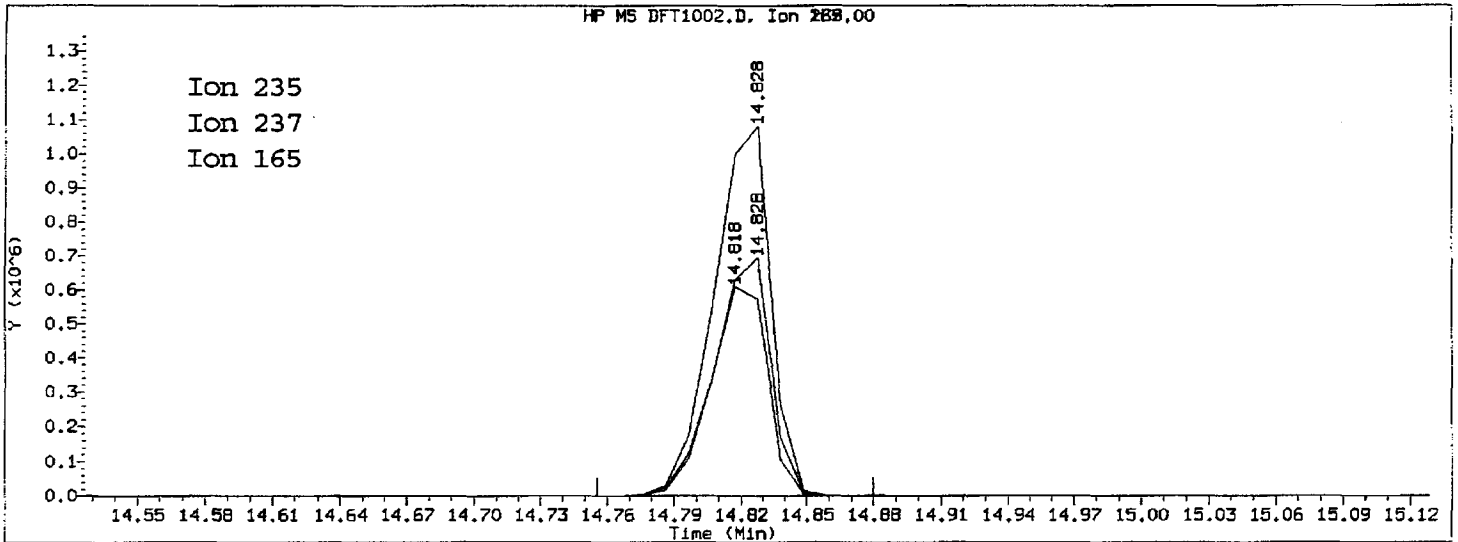
Time1 = 12.74377 Time2 = 12.77603 Time3 = 12.79618
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

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



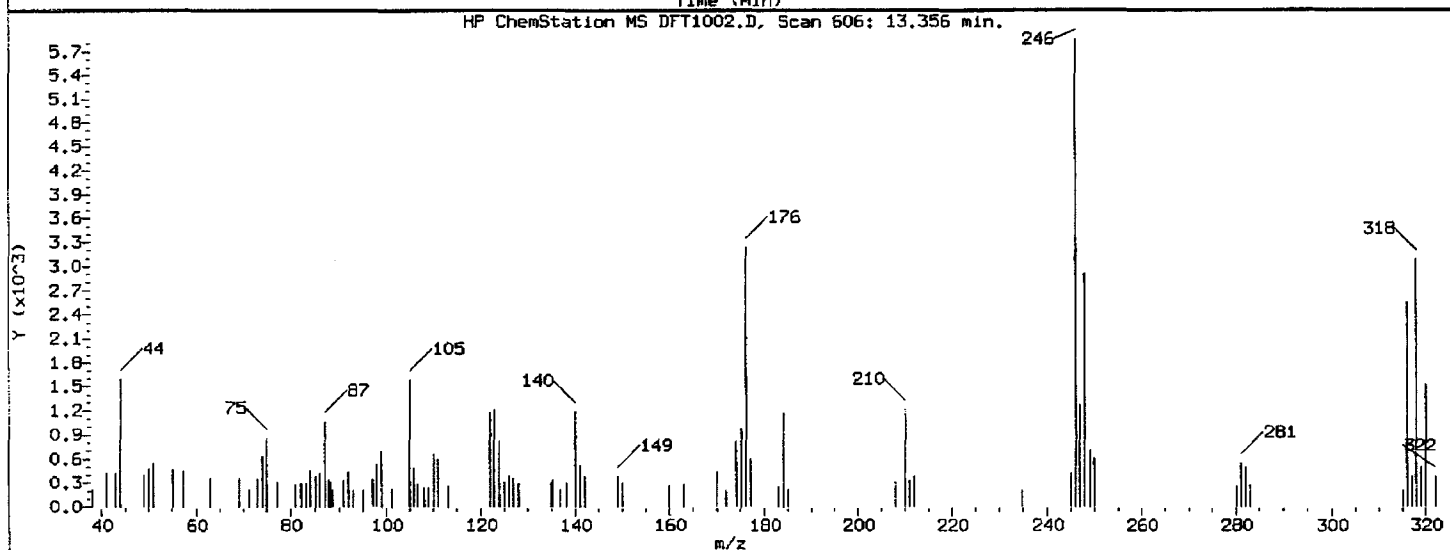
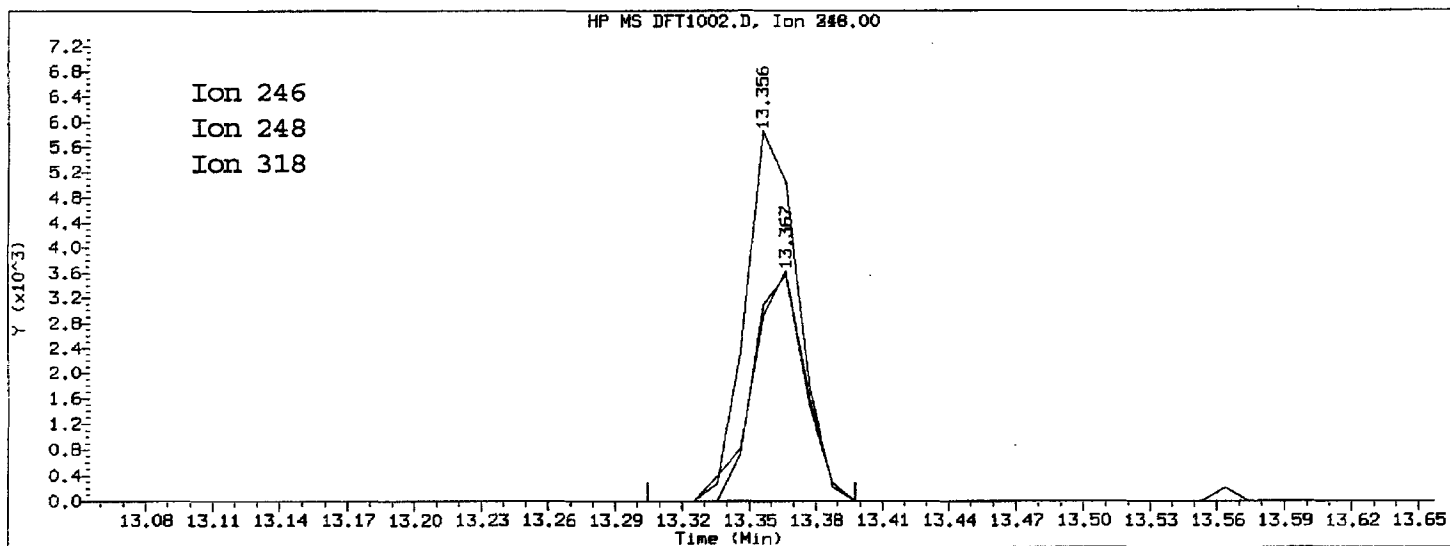
4,4'-DDT

=====
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



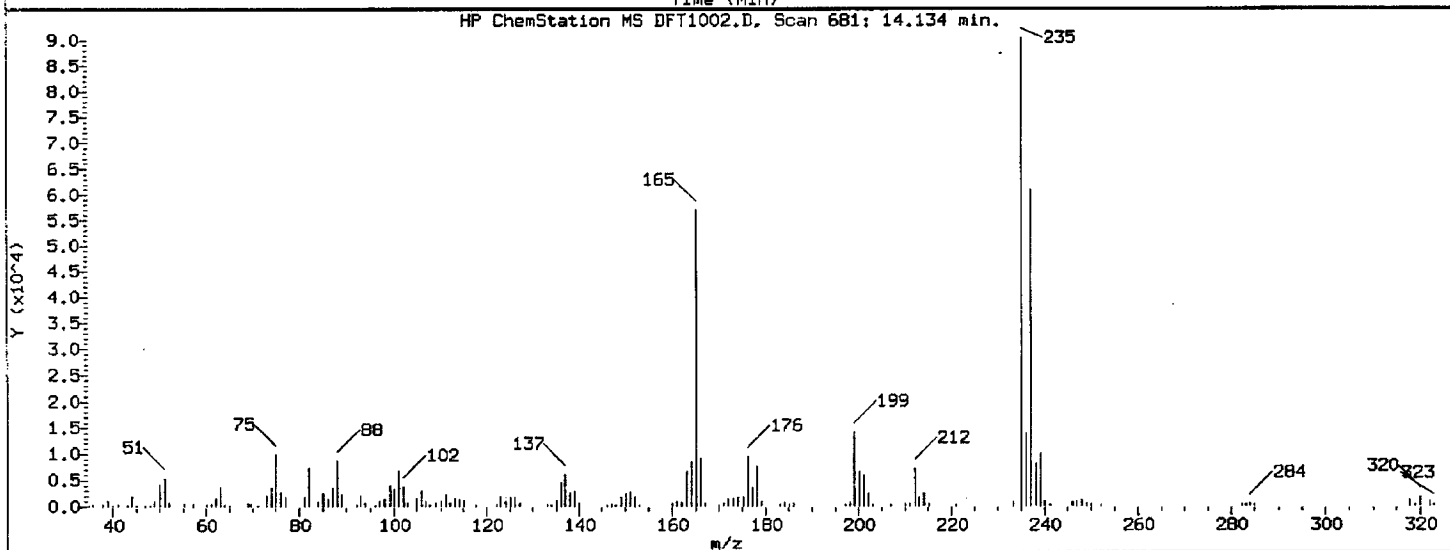
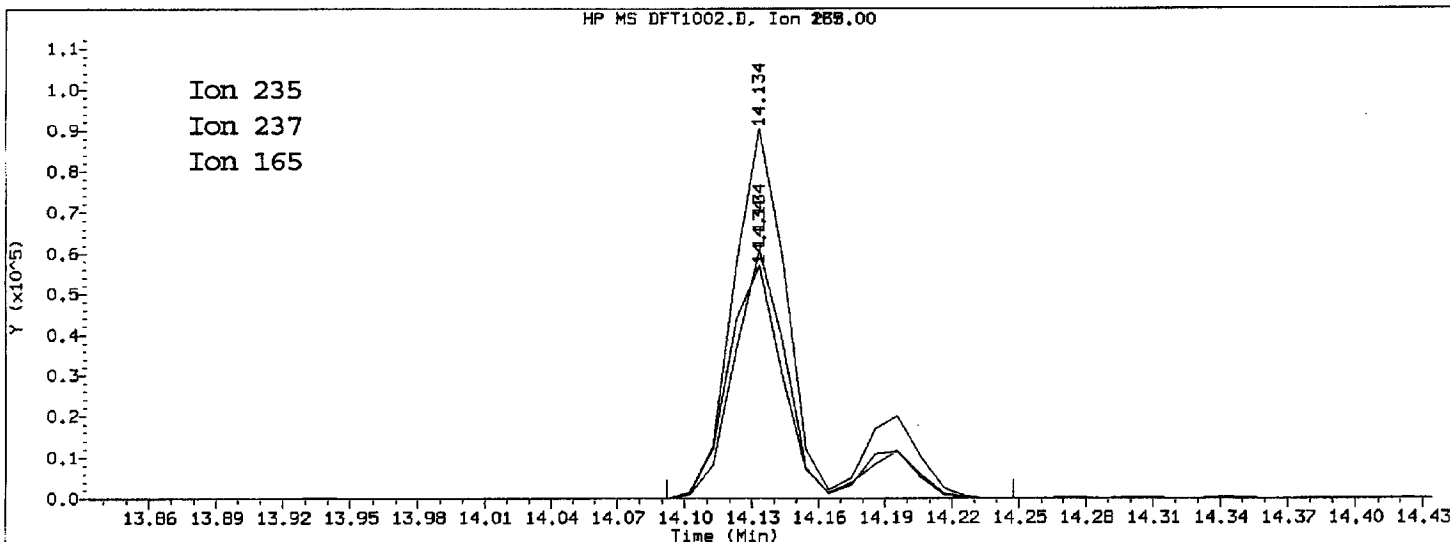
4,4'-DDE

=====
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

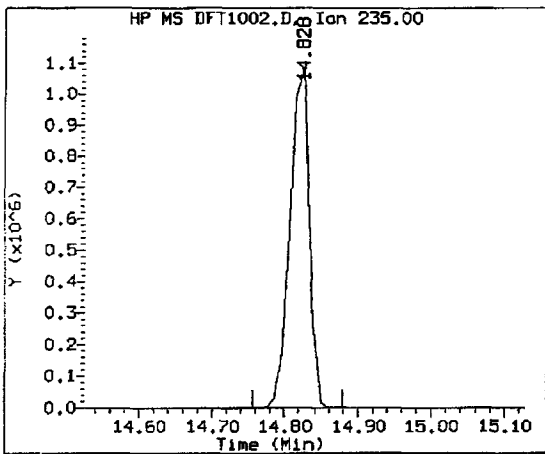
Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



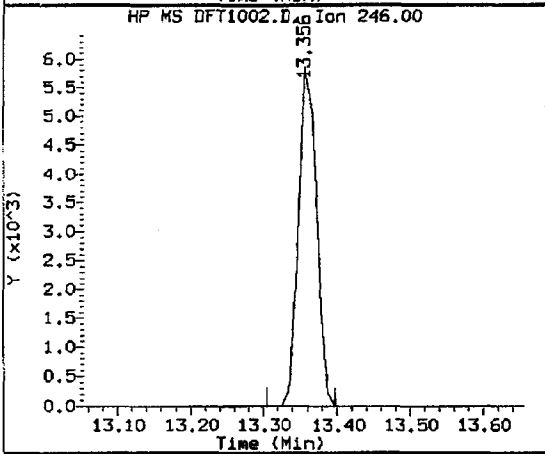
4,4'-DDD

=====
Exp. RT = 14.248
Found RT = 14.134

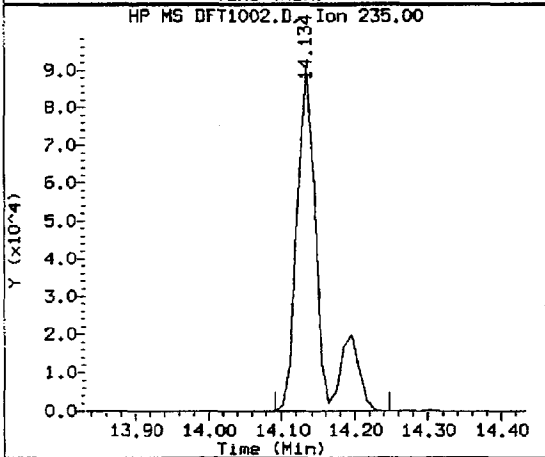
Mass	Area	Ratio
235	180277	100.00
237	115795	64.23
165	113090	62.73



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

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	REL RT	MASS	RESPONSE (ug/L)	(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	0.00- 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		

Date : 02-OCT-2010 12:06

Client ID:

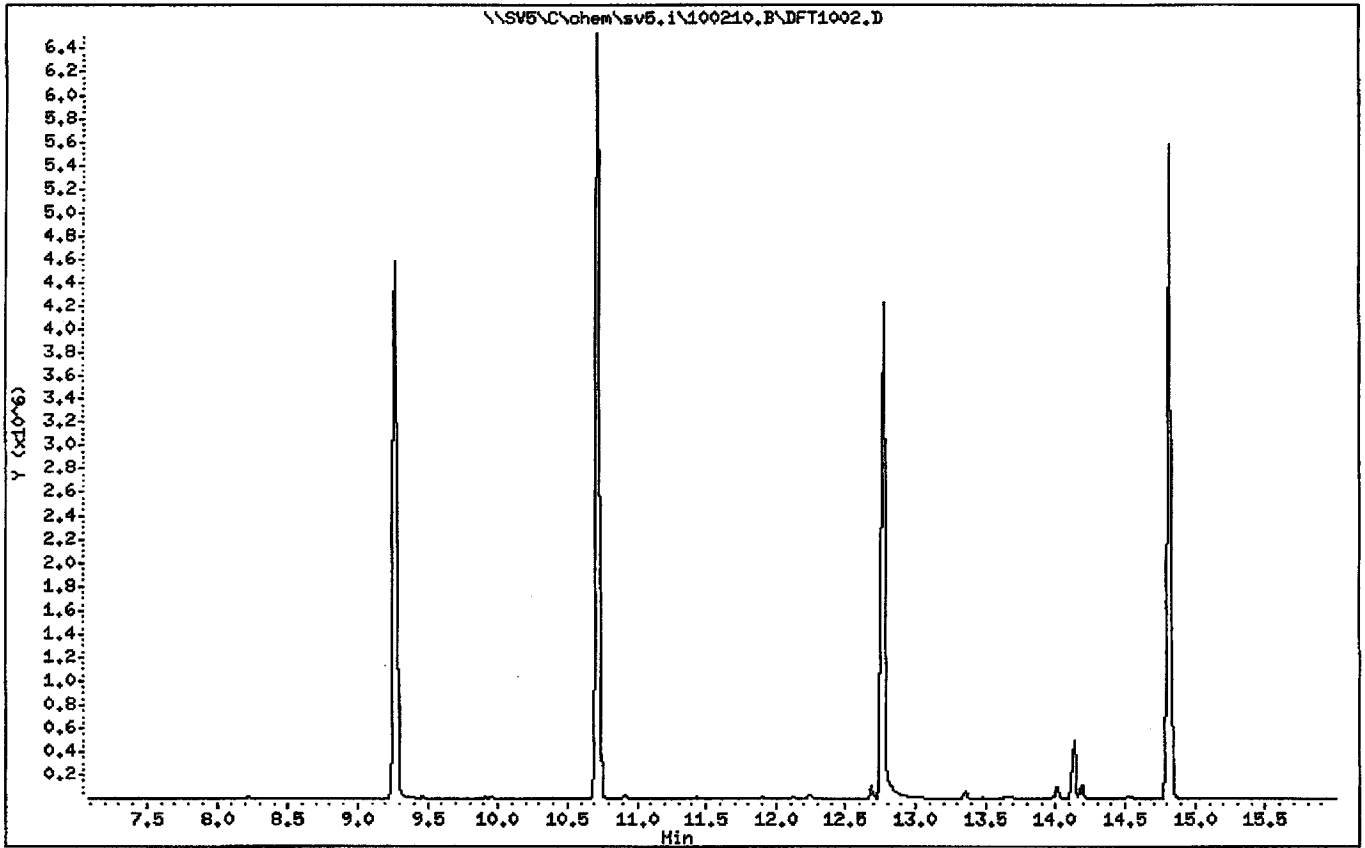
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

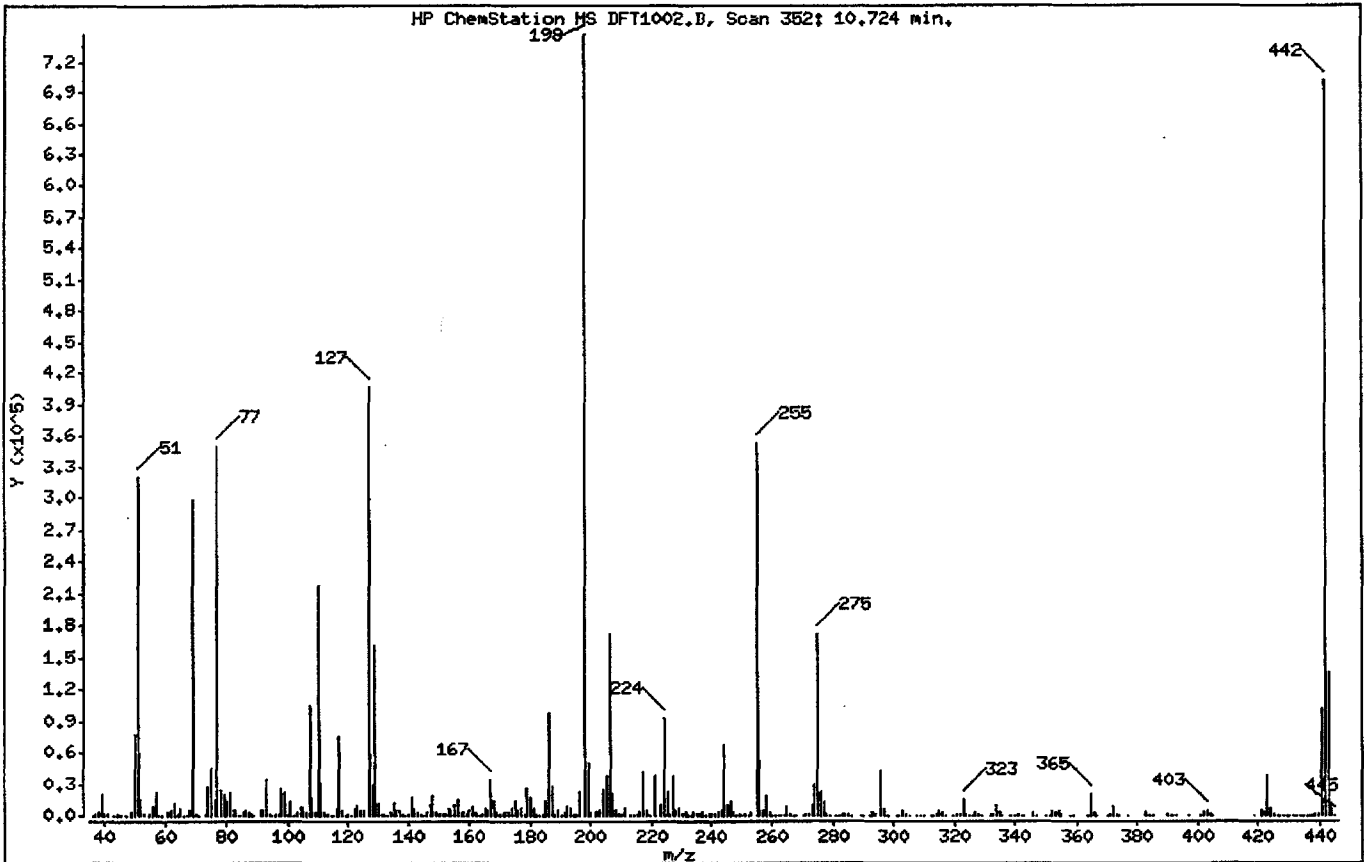
Sample Info: DFTPP 50ug/ml

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 - 60.00% 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	6.58
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)

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	| 324.60	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: sv5.1

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	97584	| 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	1.705	(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-Nitrosodipropylamine		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-Dimethylphenol		107	5.012	5.012	(0.933)	26089	5.00000	4.935

Handwritten signature and date: 10-7-10

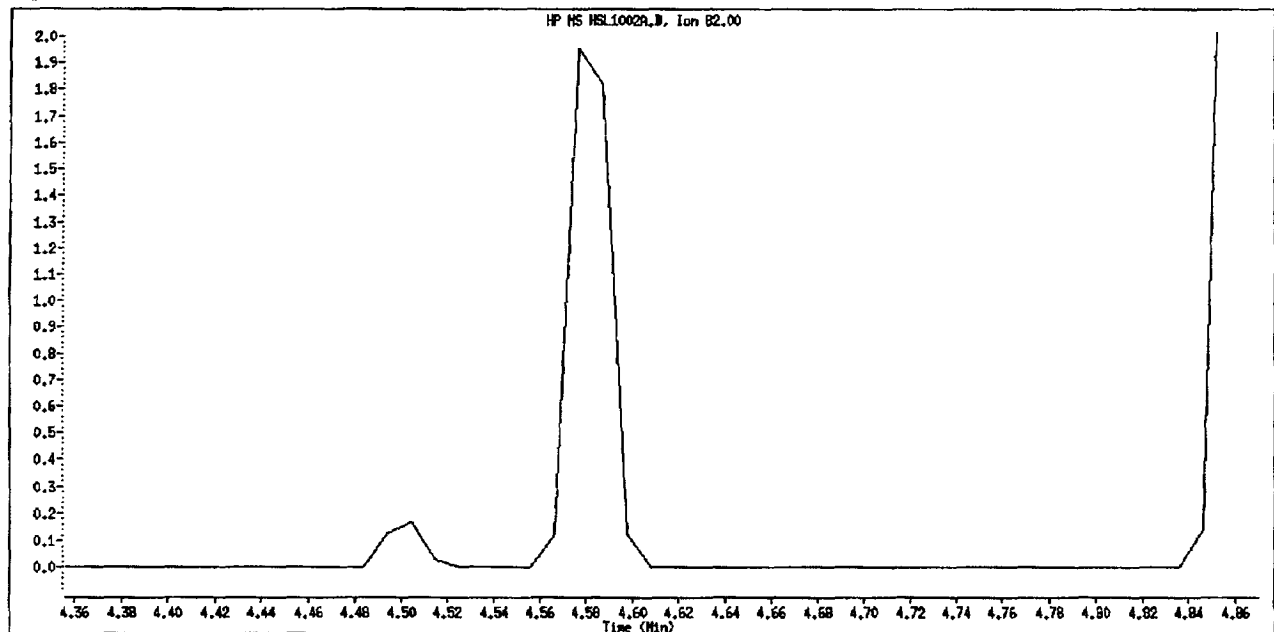
Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	31152	5.00000	5.288
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	19256	5.00000	4.708
50 Benzoic Acid	122	5.084	5.115	(0.946)	12679	5.00000	4.333
51 1,2,4-Trichlorobenzene	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-Trichlorophenol	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	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)

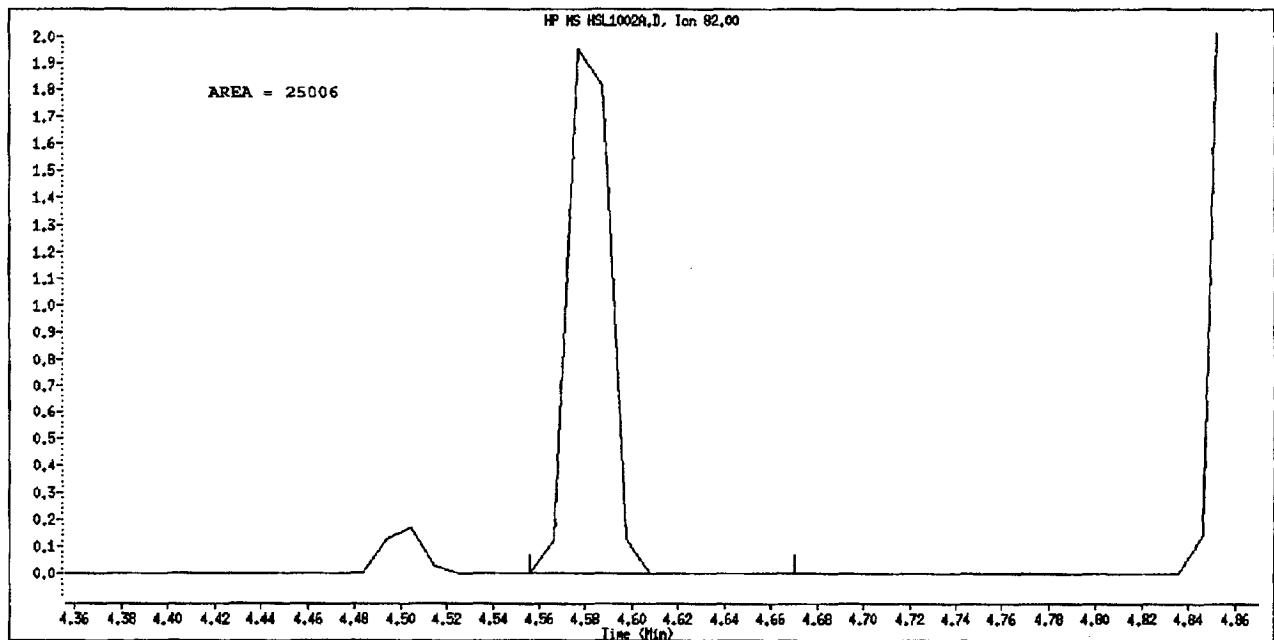
QC Flag Legend

- 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: sv5.1
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



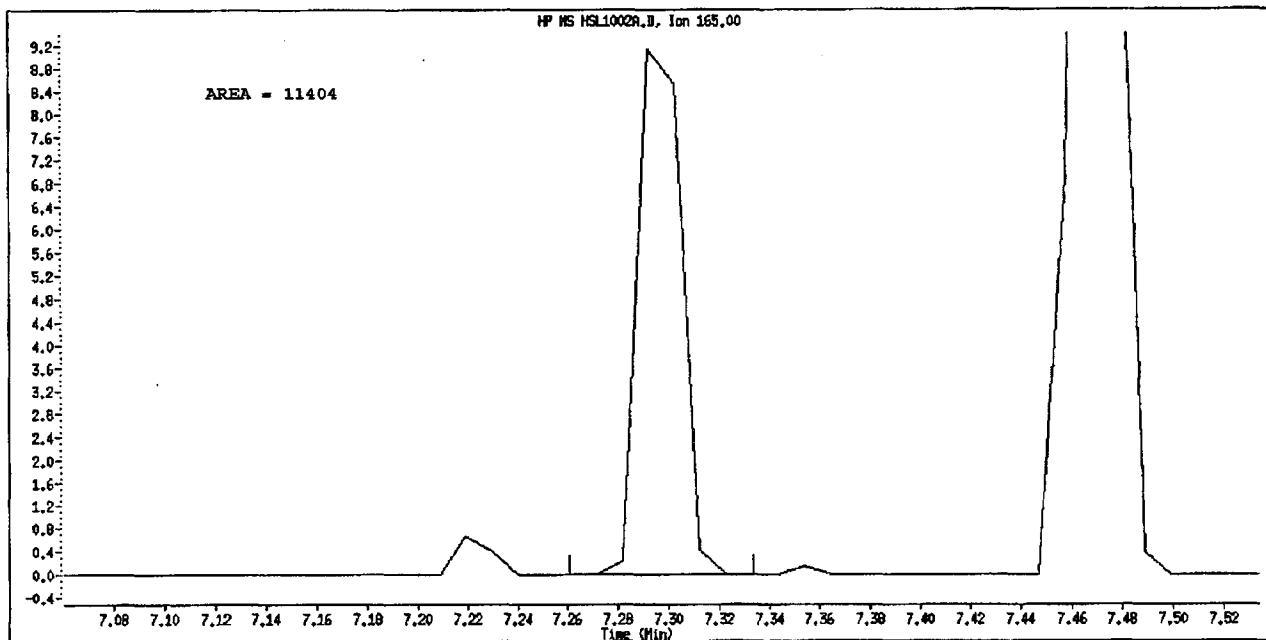
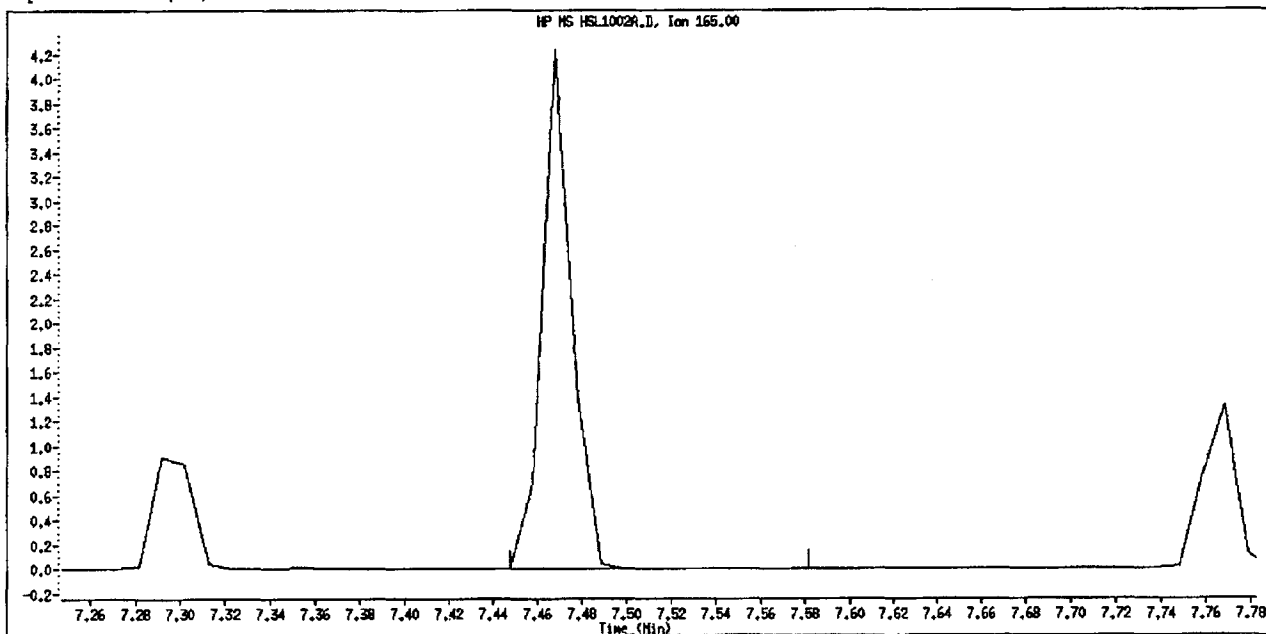
Original Integration



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



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;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	AMOUNTS					CAL-AMT (NG)	ON-COL (NG)
		MASS	RT	EXP RT	REL RT	RESPONSE		
* 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-Nitrosodipropylamine	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-Dimethylphenol	107	5.012	5.012	(0.933)	26089	5.00000	4.820	

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	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-Trichlorophenol	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						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	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.

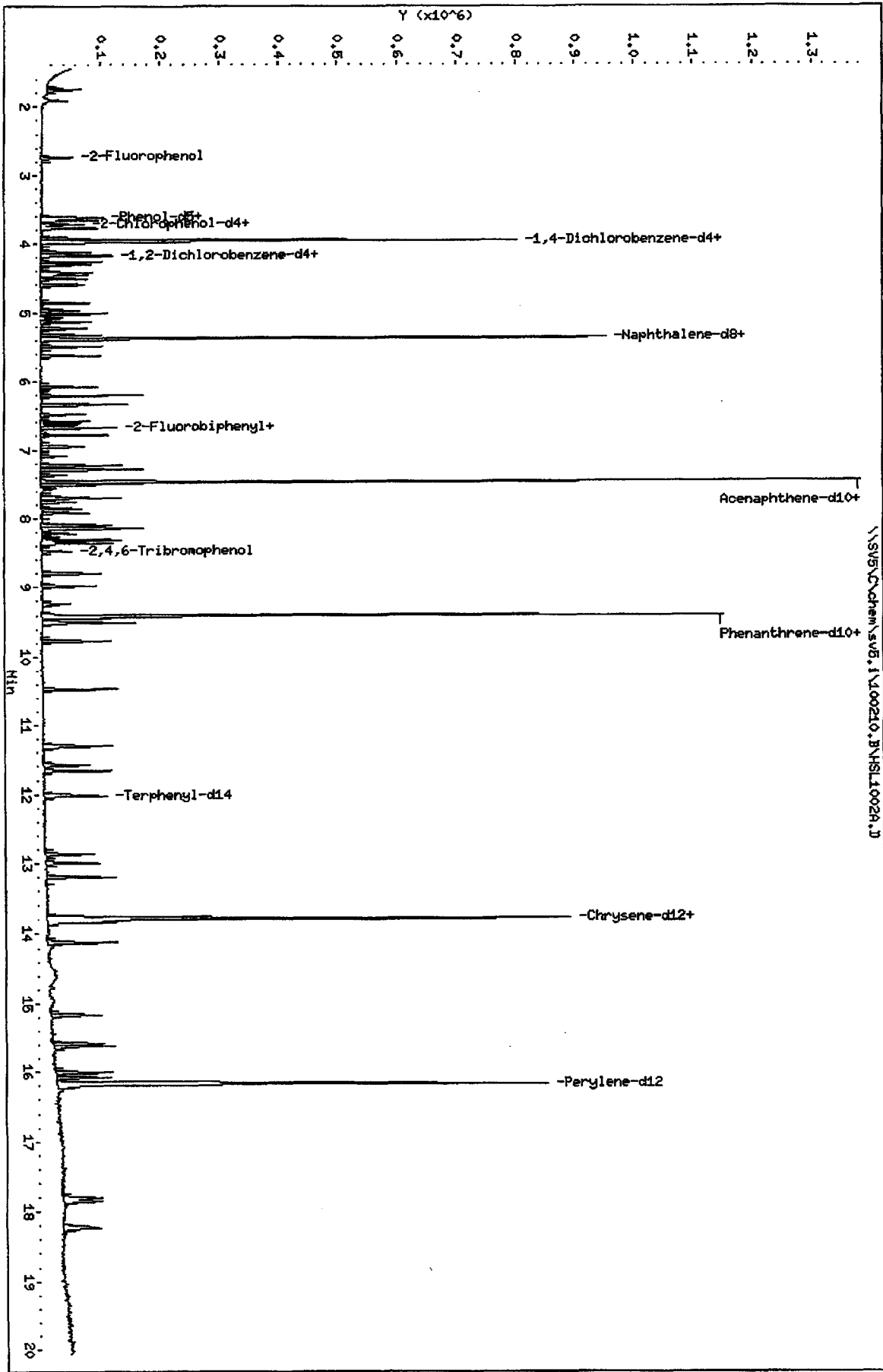
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	141539	15.42
2 Naphthalene-d8	530514	265257	1061028	605687	14.17
3 Acenaphthene-d10	282538	141269	565076	321839	13.91
4 Phenanthrene-d10	462722	231361	925444	496356	7.27
5 Chrysene-d12	435850	217925	871700	453007	3.94
6 Perylene-d12	422284	211142	844568	445119	5.41

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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: \\SVB\C\chem\svb,1\100210,BHSL1002A.D
Date: 02-OCT-2010 12:27
Client ID: 8270F.N
Sample Info: HSL_005 ug/ml CS-1111111114
Column phase:

Instrument: svb.1
Operator: KT
Column diameter: 2.00



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)	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-Nitrosodimethylamine		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-Dimethylphenol		107	5.012	5.012	(0.934)	42128	10.0000	9.787

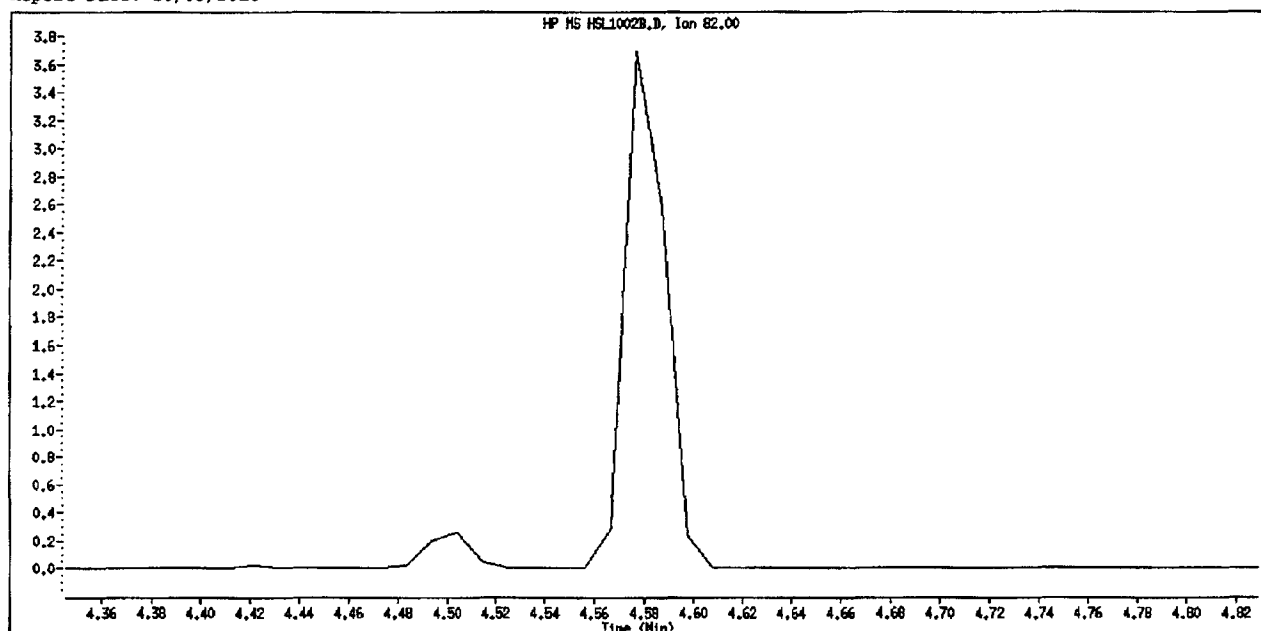
Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis (2-chloroethoxy)methane	93	5.126	5.126	(0.956)	46230	10.0000	9.636
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	32450	10.0000	9.744
50 Benzoic Acid	122	5.084	5.115	(0.948)	20056	10.0000	8.418
51 1,2,4-Trichlorobenzene	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-Trichlorophenol	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	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)

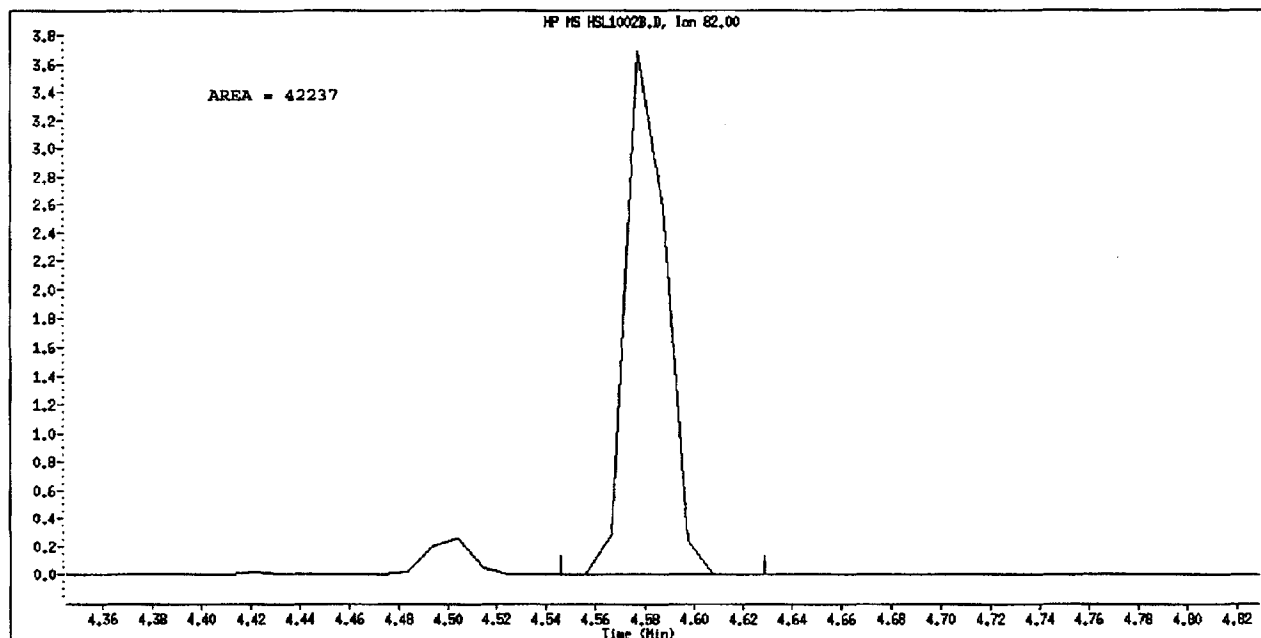
QC Flag Legend

- 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: sv5.1
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



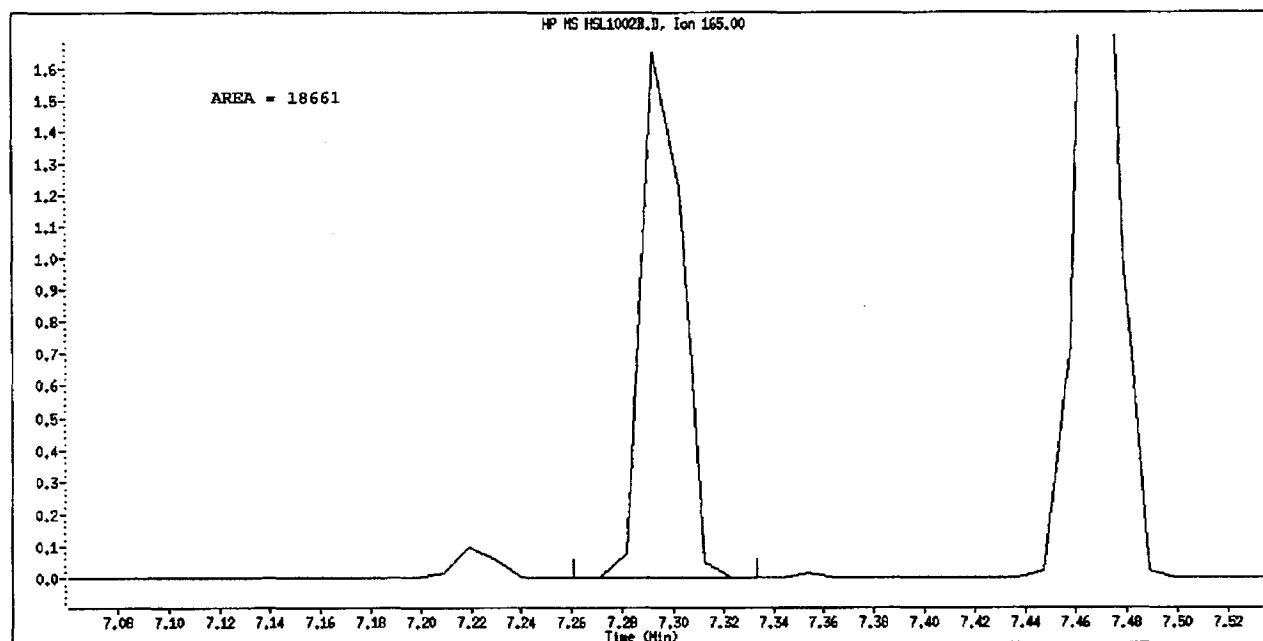
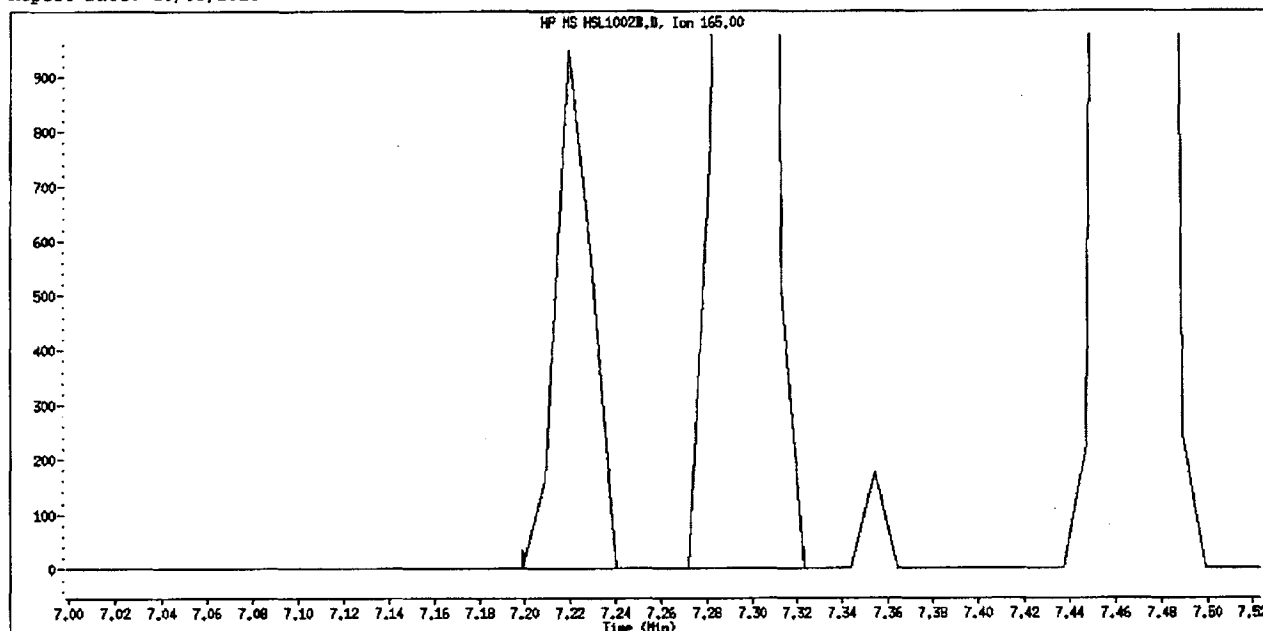
Original Integration



Manual Integration

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

Data File Name: HSL1002B.D
Inj. Date and Time: 02-OCT-2010 12:53
Instrument ID: sv5.1
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Manually Integrated By: trungk
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
 Dil 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)	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-Nitrosodimethylamine		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-Dimethylphenol		107	5.012	5.012	(0.934)	42128	10.0000	9.559	

10-3-10

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	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-Trichlorophenol	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)Phtthalate	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	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT	ON-COL
	MASS					(NG)	(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

Calibration Date: 02-OCT-2010
 Calibration Time: 13:44
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M

Test Mode:
 Use Initial Calibration Level 4.

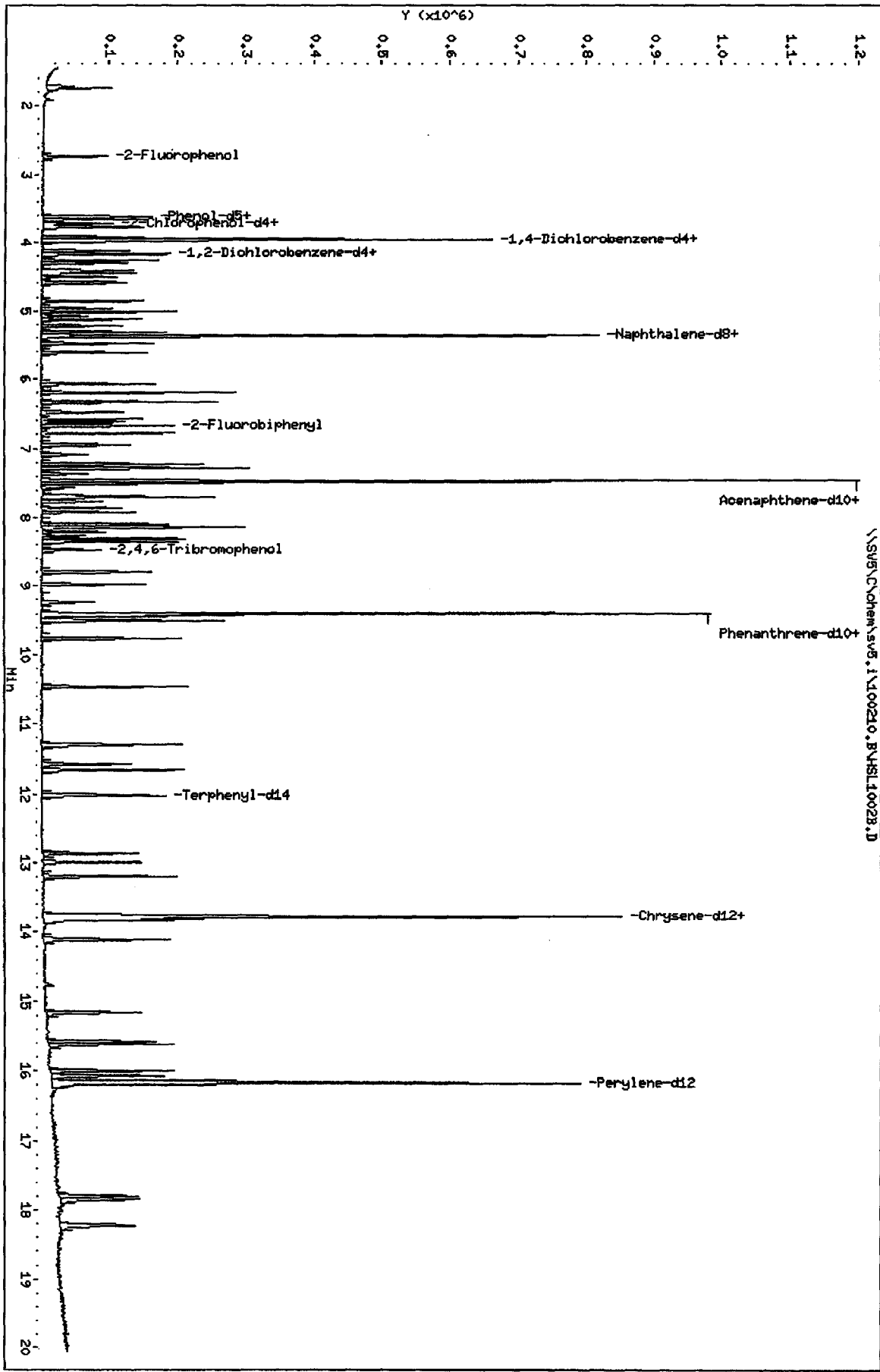
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	116839	-4.72
2 Naphthalene-d8	530514	265257	1061028	493196	-7.03
3 Acenaphthene-d10	282538	141269	565076	272639	-3.50
4 Phenanthrene-d10	462722	231361	925444	428440	-7.41
5 Chrysene-d12	435850	217925	871700	412260	-5.41
6 Perylene-d12	422284	211142	844568	419005	-0.78

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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\sv5.1\100210.B\HSL1002B.D
Date: 02-OCT-2010 12:53
Client ID: 8270F.H
Sample Info: HSL_010 ug/ml CS-211121114
Column phase:

Instrument: sv5.1
Operator: KT
Column diameter: 2.00



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	AMOUNTS					ON-COL
		MASS	RT	EXP RT	RBL RT	RESPONSE		CAL-AMT ( 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-Nitrosodipropylamine	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-Dimethylphenol	107	5.011	5.012	(0.934)	107325	20.0000	19.65

69
10-3-10

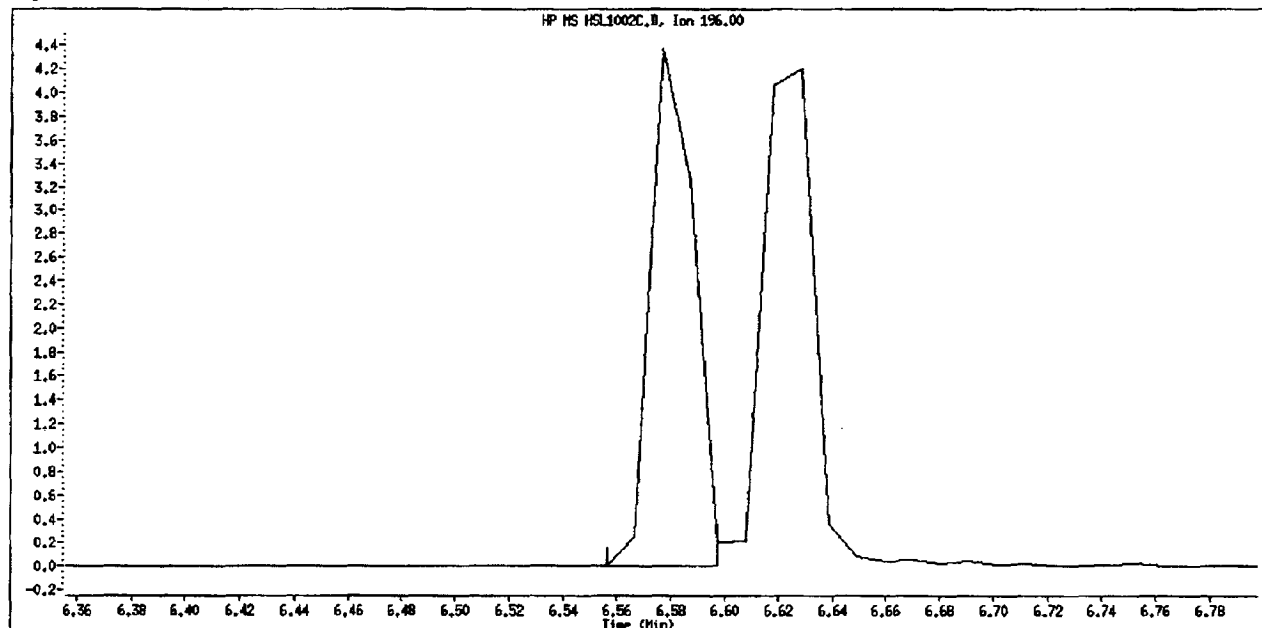
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.956)	120646	20.0000	19.82
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	84525	20.0000	20.01
50 Benzoic Acid	122	5.094	5.115	(0.950)	54506	20.0000	18.03
51 1,2,4-Trichlorobenzene	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-Trichlorophenol	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	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)

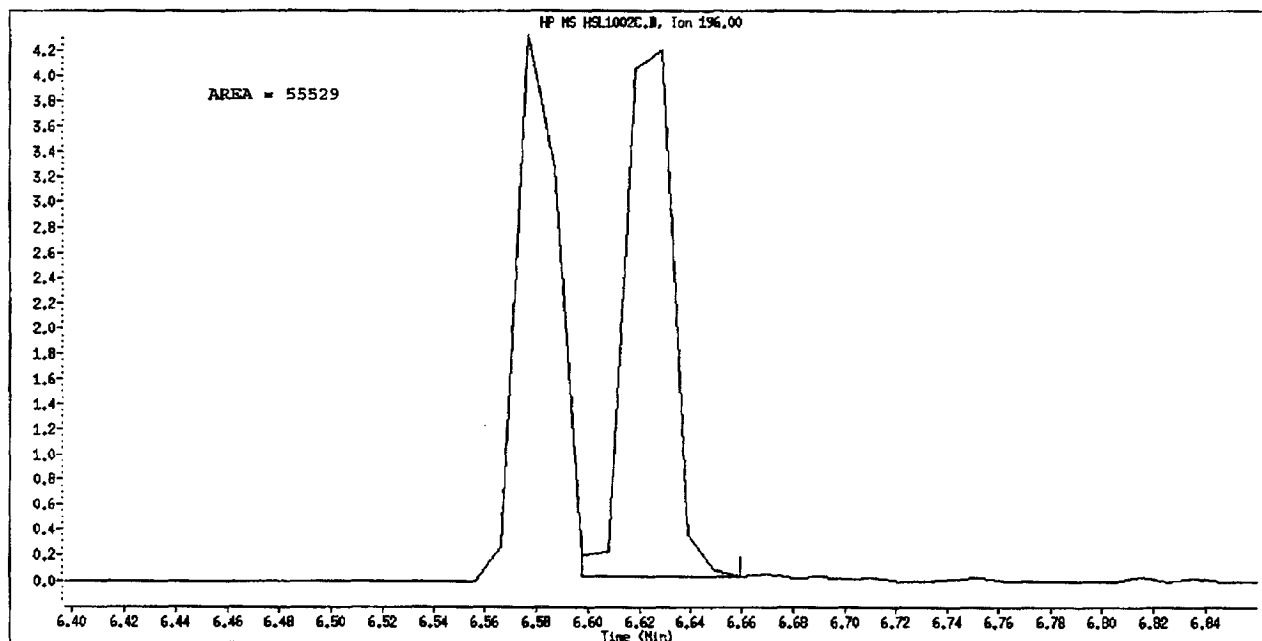
QC Flag Legend

- 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-Trichlorophenol
CAS #: 95-95-4
Report Date: 10/03/2010



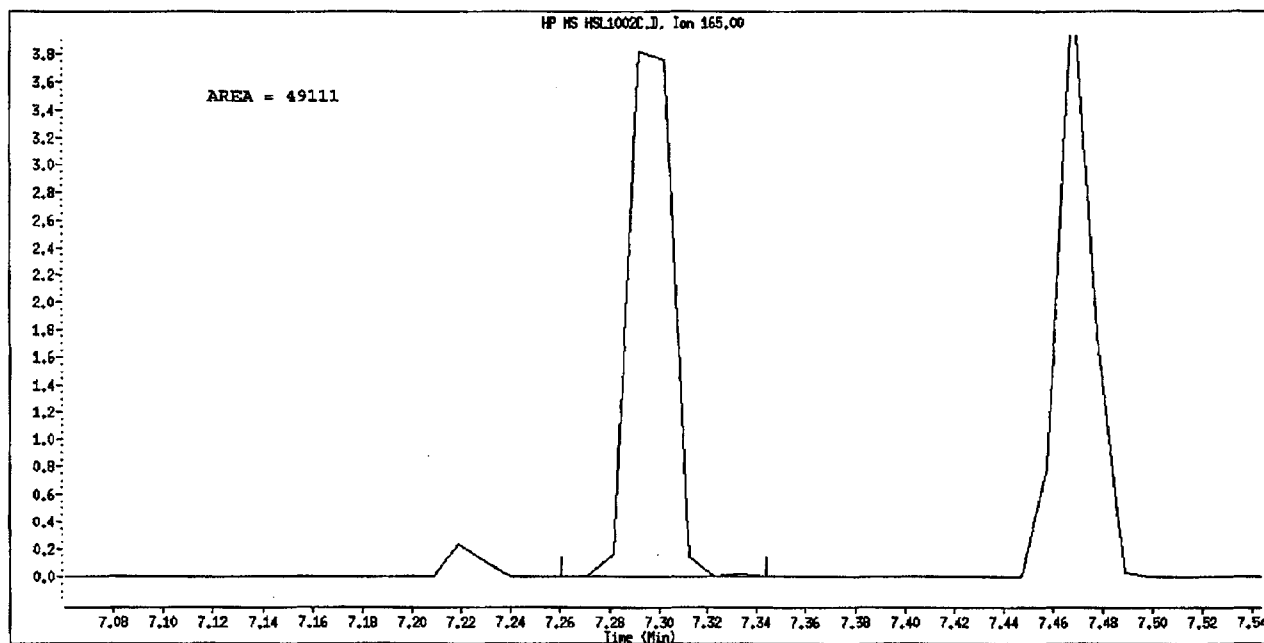
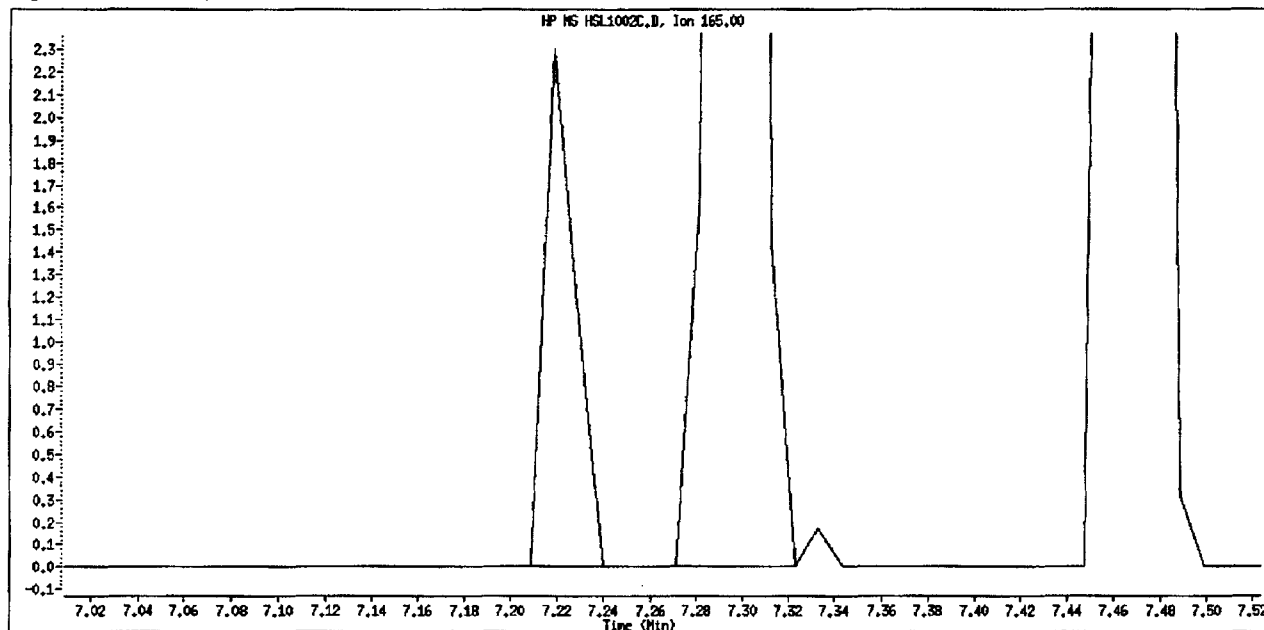
Original Integration



Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Wrong Peak

Data File Name: HSL1002C.D
Inj. Date and Time: 02-OCT-2010 13:18
Instrument ID: sv5.1
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



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	AMOUNTS				CAL-AMT (NG)	ON-COL (NG)
			MASS	RT	EXP RT	REL RT			RESPONSE
* 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-Dichlorobenzene	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-Nitrosodipropylamine	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-Dimethylphenol	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-Trichlorophenol	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						AMOUNTS	
	MASS		RT	EXP RT	RKL RT	RESPONSE	CAL-AMT (NG)	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	Calibration Date: 02-OCT-2010
Lab File ID: HSL1002C.D	Calibration Time: 13:44
Lab Smp Id: HSL 020 ug/ml CS-3	Client Smp ID: 8270F.M
Analysis Type: SV	Level:
Quant Type: ISTD	Sample Type:
Operator: KT	
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m	
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M	

Test Mode:
 Use Initial Calibration Level 4.

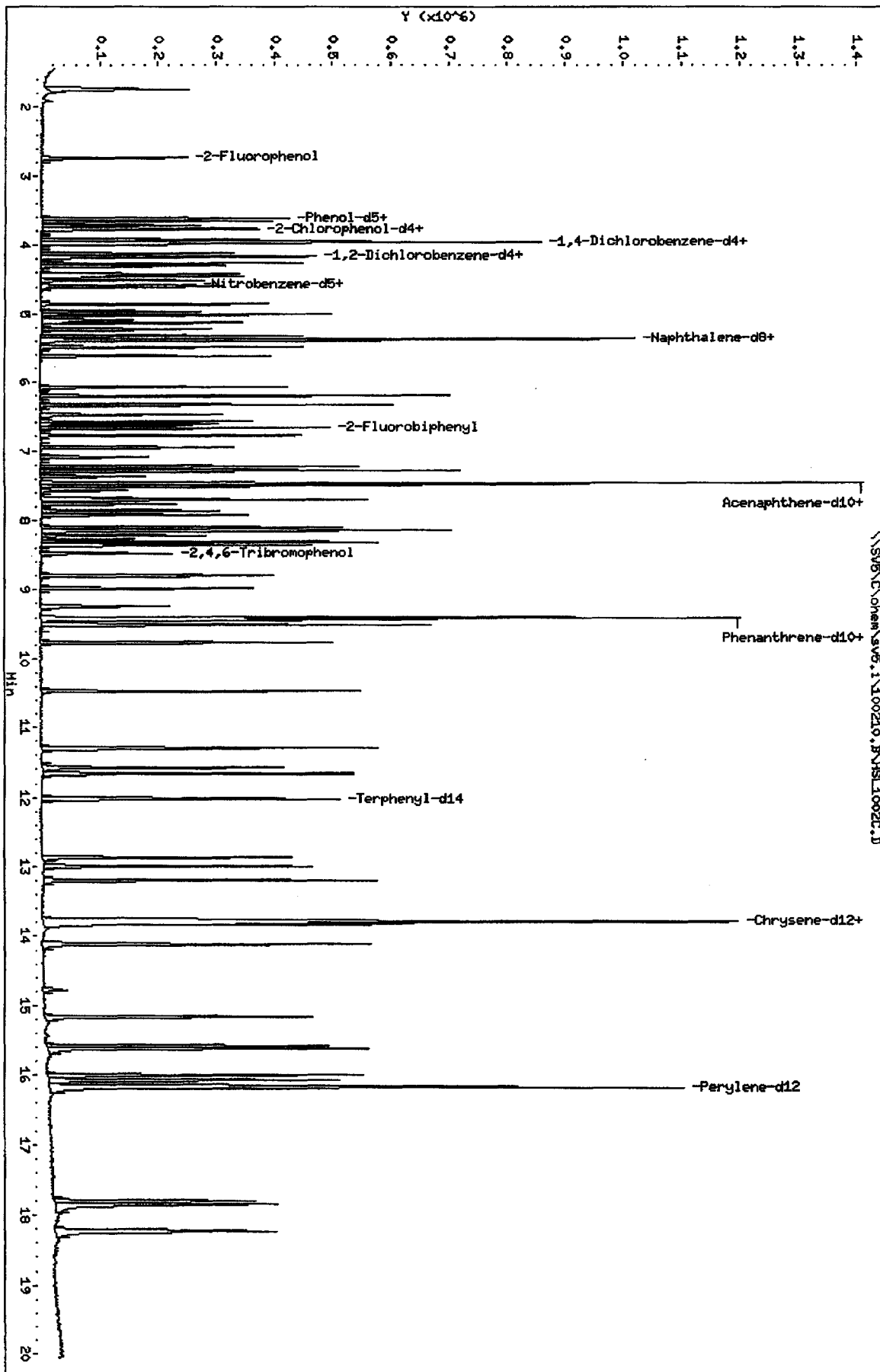
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	145926	19.00
2 Naphthalene-d8	530514	265257	1061028	625682	17.94
3 Acenaphthene-d10	282538	141269	565076	328608	16.31
4 Phenanthrene-d10	462722	231361	925444	525834	13.64
5 Chrysene-d12	435850	217925	871700	590727	35.53
6 Perylene-d12	422284	211142	844568	619266	46.65

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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: \\SVB5\C\chem\sv5.1\100210.B\MSL1002C.D
 Date: 02-OCT-2010 13:18
 Client ID: B279F.H
 Sample Info: HSL_020 ug/ml CS-311;1311;14
 Column phase:

Instrument: sv5.1
 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-Nitrosodimethylamine	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-Dimethylphenol	107	5.012	5.012	(0.933)	231517	50.0000	50.00	

10-3-10

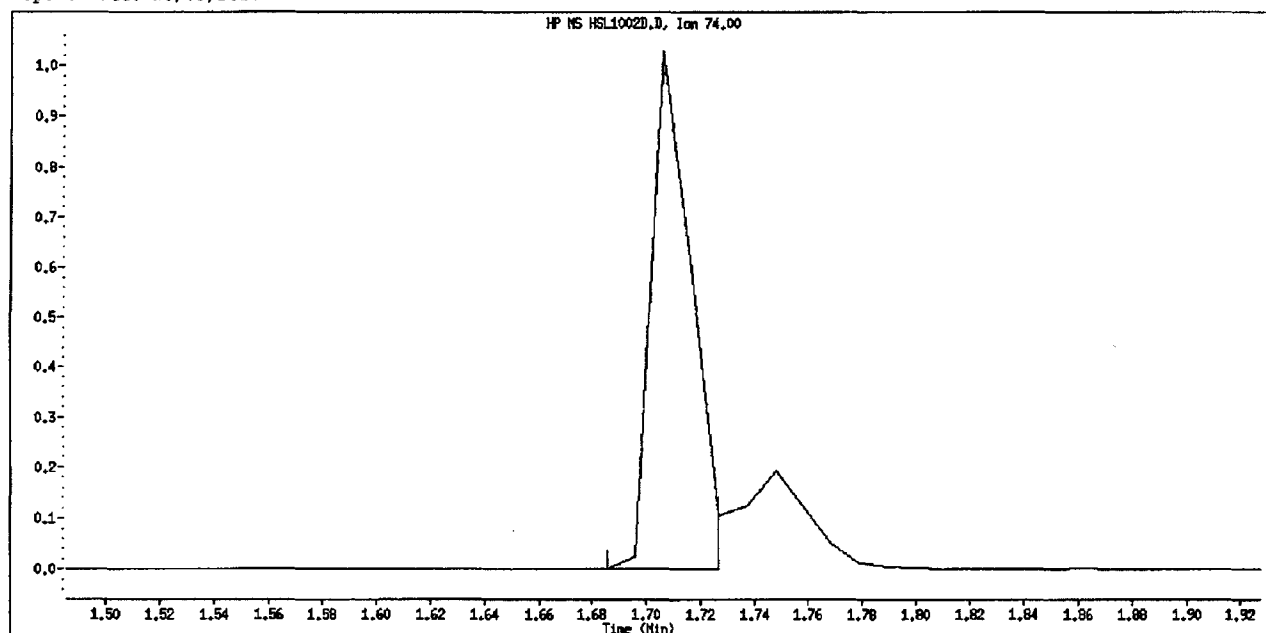
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	253648	50.0000	49.15
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	179296	50.0000	50.05
50 Benzoic Acid	122	5.115	5.115	(0.952)	128366	50.0000	50.08
51 1,2,4-Trichlorobenzene	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-Trichlorophenol	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)	726681	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	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)

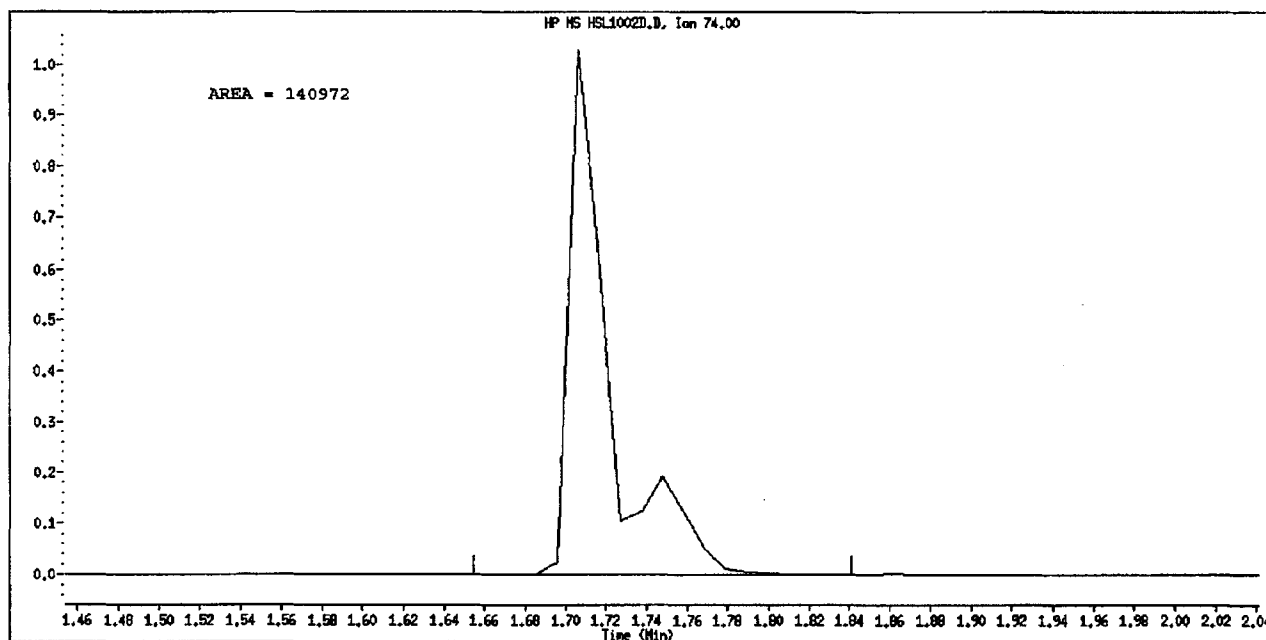
QC Flag Legend

- 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



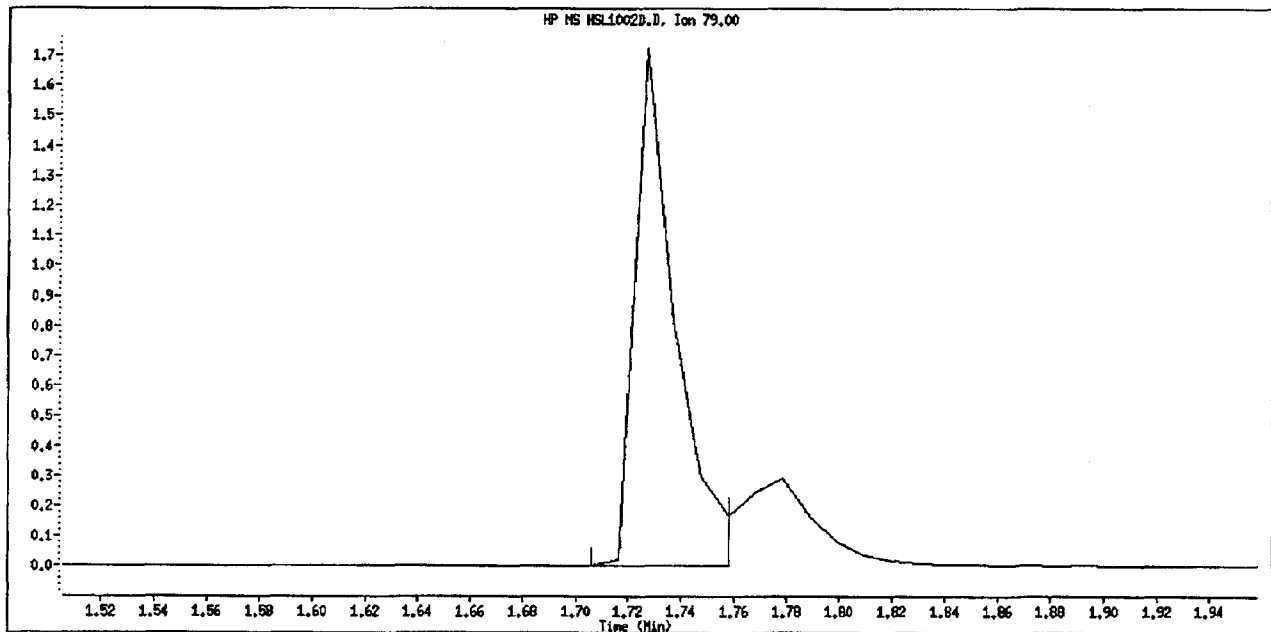
Original Integration



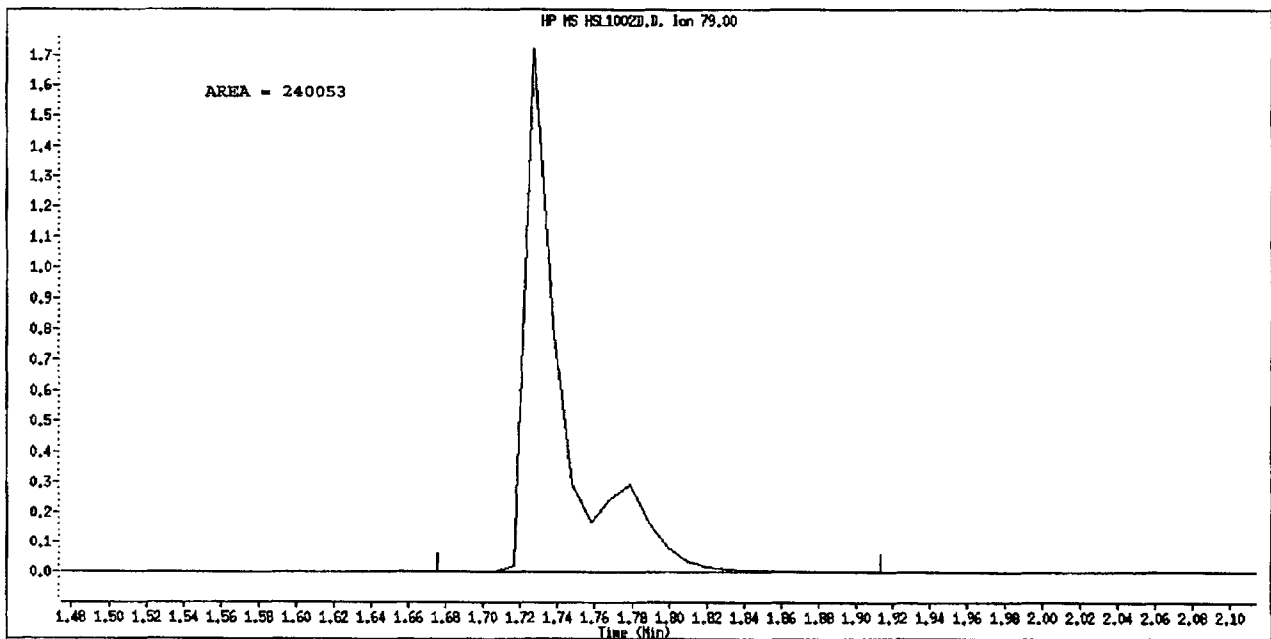
Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Poor Chromatography

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



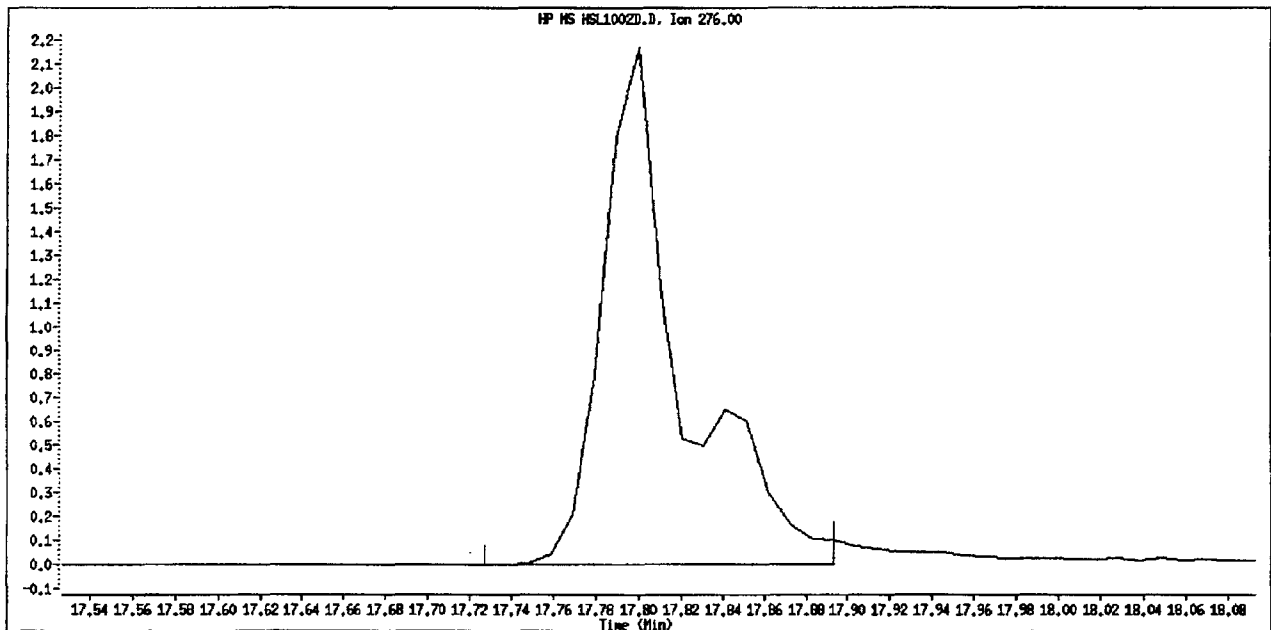
Original Integration



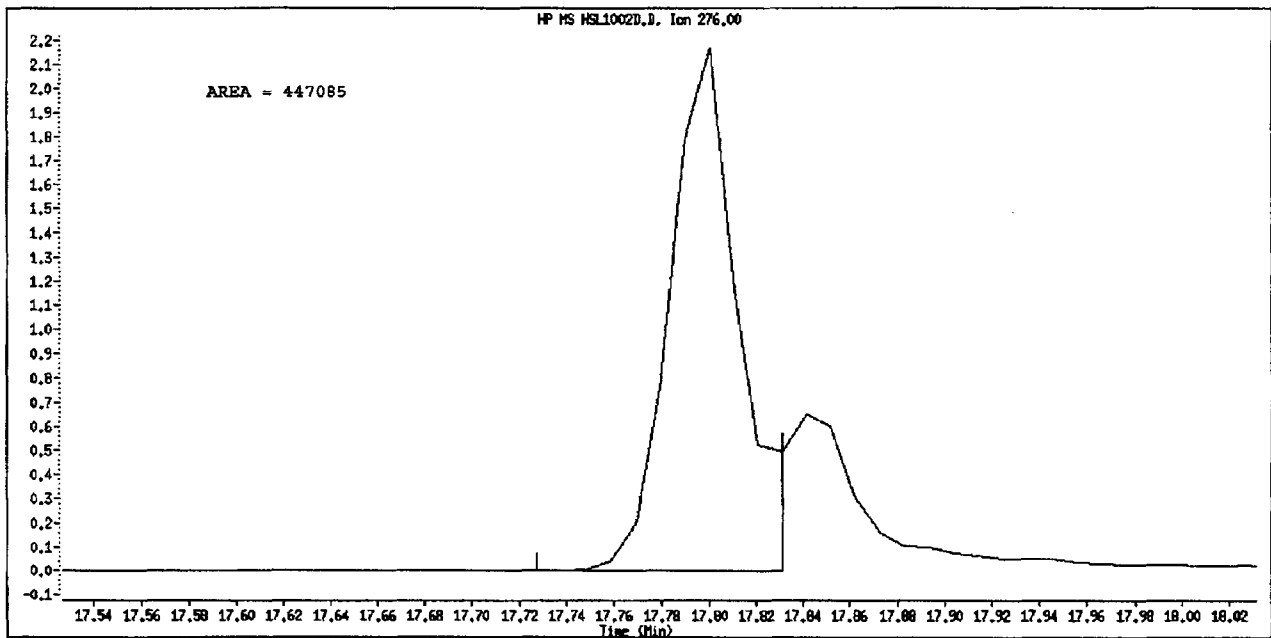
Manual Integration

Manually Integrated By: truonk
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: truonk
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					AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	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	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-Nitrosodipropylamine	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-Dimethylphenol	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)	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-Trichlorophenol	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	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
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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.

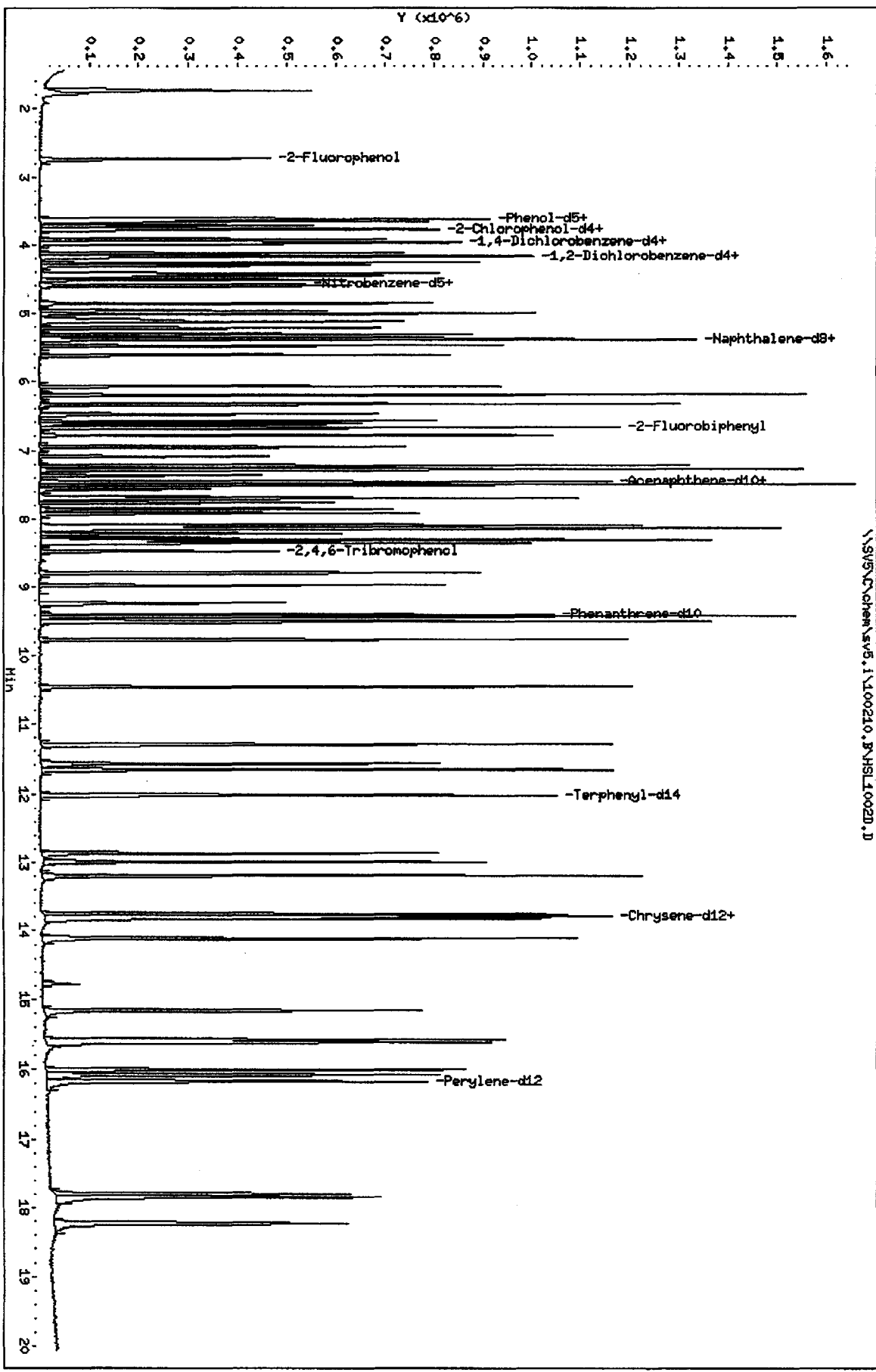
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	122625	0.00
2 Naphthalene-d8	530514	265257	1061028	530514	0.00
3 Acenaphthene-d10	282538	141269	565076	282538	0.00
4 Phenanthrene-d10	462722	231361	925444	462722	0.00
5 Chrysene-d12	435850	217925	871700	435850	0.00
6 Perylene-d12	422284	211142	844568	422284	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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: \\SVS\CVChem\sv5.1\100210.B\HSL1002D.D
 Date: 02-OCT-2010 13:44
 Client ID: 8270F.M
 Sample Info: HSL_050 ug/ml CS-41114114
 Column phases:

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



\\SVS\CVChem\sv5.1\100210.B\HSL1002D.D

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	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-Nitrosodipropylamine	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-Dimethylphenol	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)	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-Trichlorophenol	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	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-Nitrosodipropylamine	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-Dimethylphenol	107			5.011	5.012 (0.933)		385073	80.0000	77.86

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	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-Trichlorophenol	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	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS					CAL-AMT	ON-COL
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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 Calibration Date: 02-OCT-2010
 Lab File ID: HSL1002E.D Calibration Time: 13:44
 Lab Smp Id: HSL 080 ug/ml CS-5 Client Smp ID: 8270F.M
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M

Test Mode:
 Use Initial Calibration Level 4.

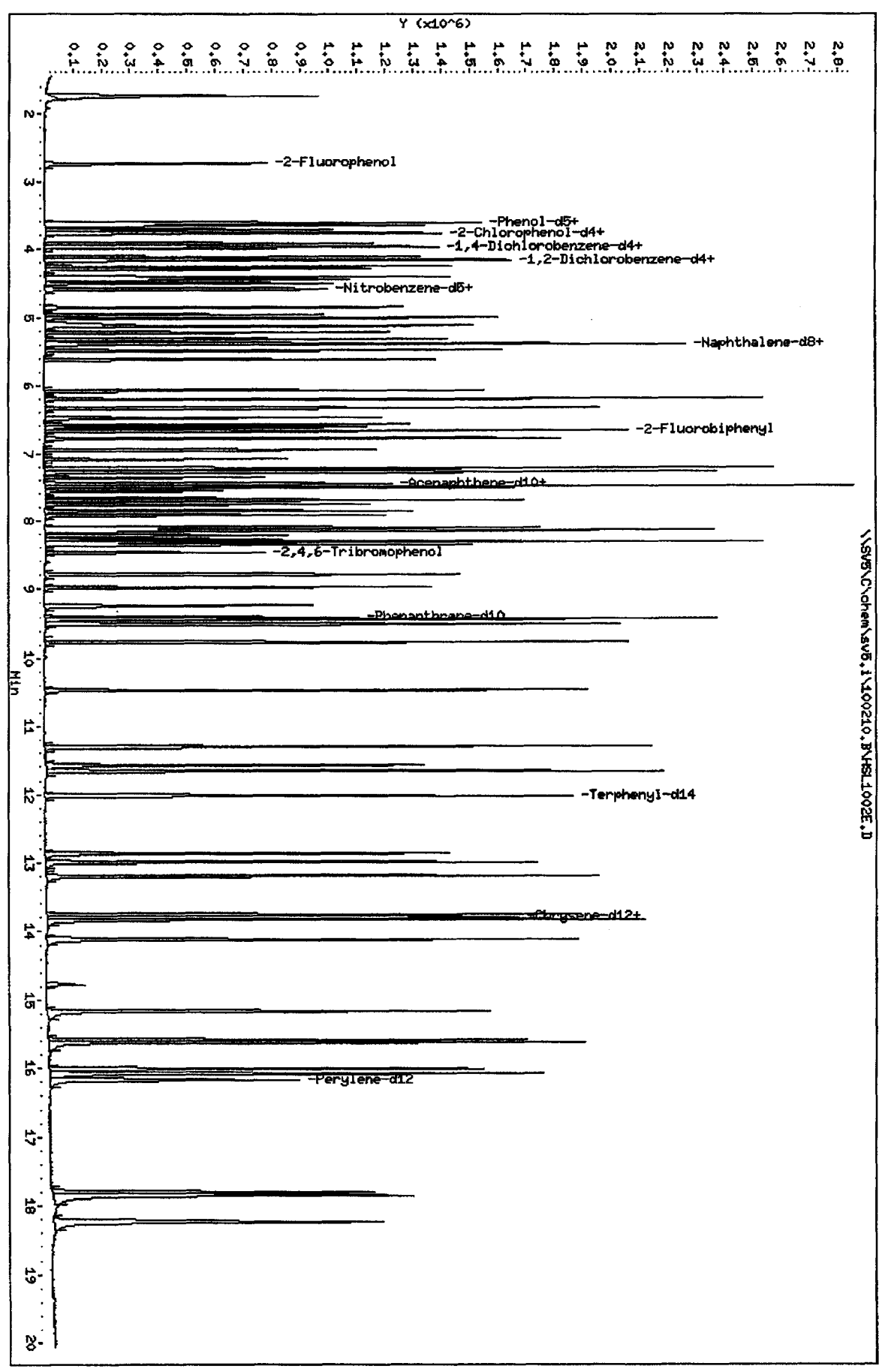
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	126989	3.56
2 Naphthalene-d8	530514	265257	1061028	553454	4.32
3 Acenaphthene-d10	282538	141269	565076	300315	6.29
4 Phenanthrene-d10	462722	231361	925444	477777	3.25
5 Chrysene-d12	435850	217925	871700	486126	11.54
6 Perylene-d12	422284	211142	844568	482782	14.33

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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: \\SVS\chem\sv5.1\100210.B\HSL1002E.D
 Date: 02-OCT-2010 14:09
 Client ID: 8270F.H
 Sample Info: HSL_080 ug/ml CS-5;1;5;1;3;4
 Column phase:

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



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-Nitrosodipropylamine	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-Dimethylphenol	107			5.012	5.012	(0.933)	638328	120.000	123.6

10-3-10

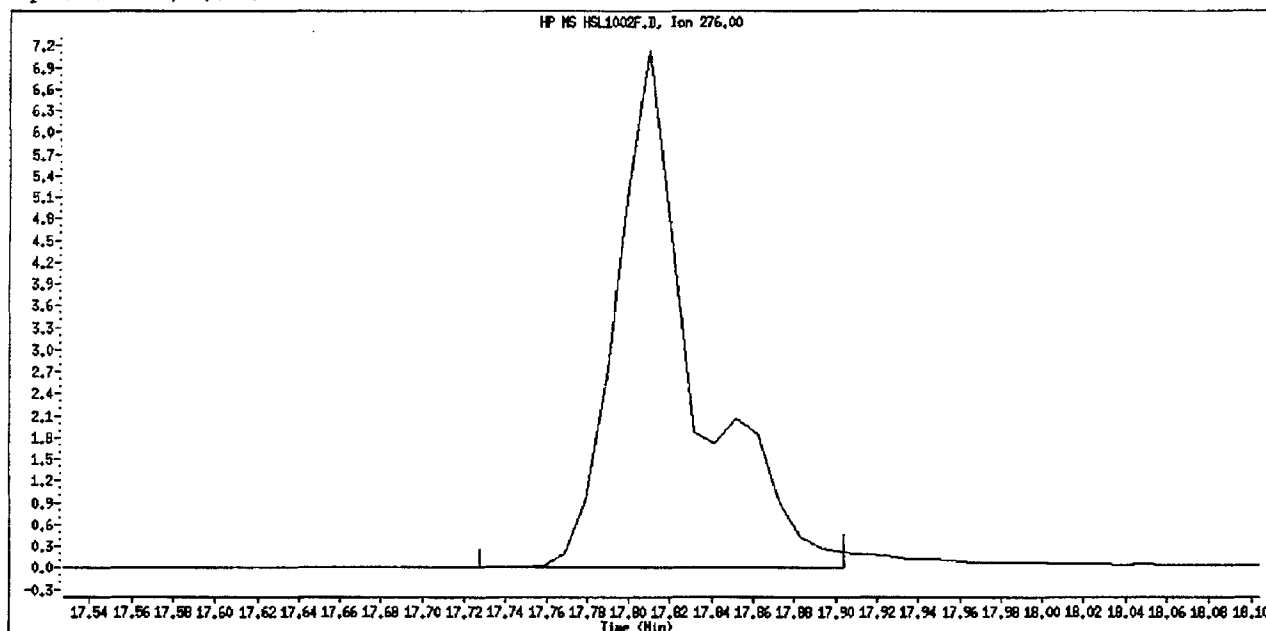
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	707504	120.000	122.9
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	500185	120.000	125.2
50 Benzoic Acid	122	5.146	5.115	(0.958)	395333	120.000	138.3
51 1,2,4-Trichlorobenzene	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-Trichlorophenol	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	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
-----	----	----	-----	-----	-----	-----	-----
M 162 benzo b,k Fluoranthene Totals	252				3411204	120.000	122.3 (A)

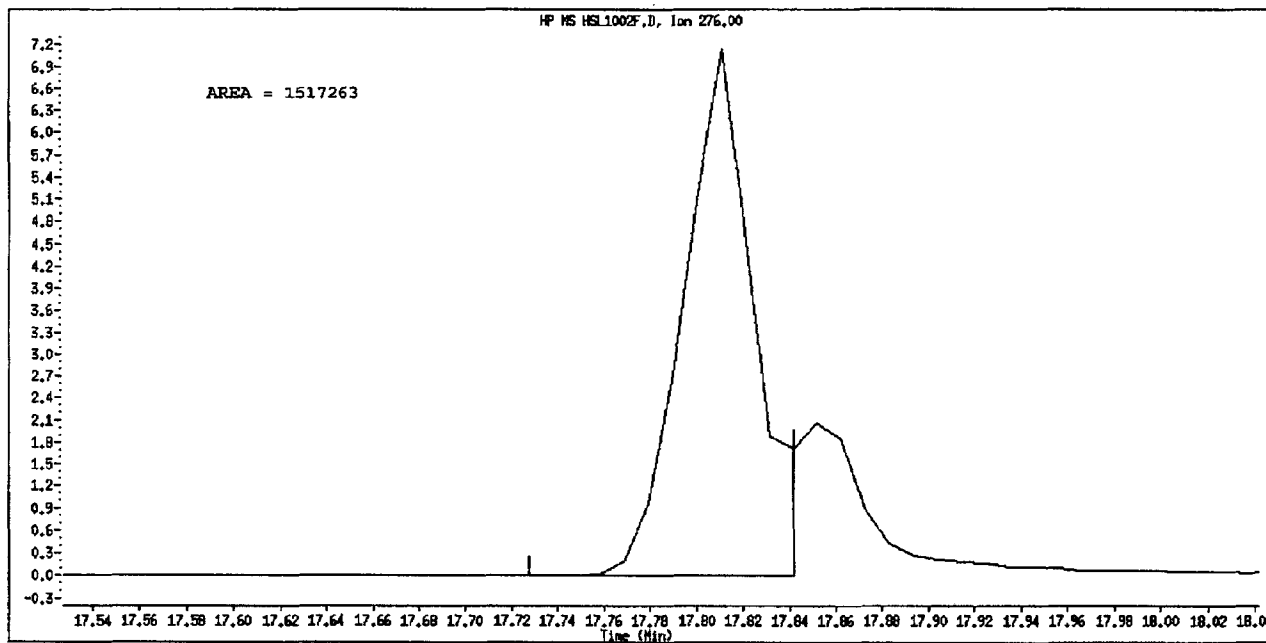
QC Flag Legend

- 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: truonk
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-Nitrosodipropylamine	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-Dimethylphenol	107		5.012	5.012	(0.933)	638328	120.000		120.7

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	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-Trichlorophenol	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 (g)
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		SAMPLE	%DIFF
		LOWER	UPPER		
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

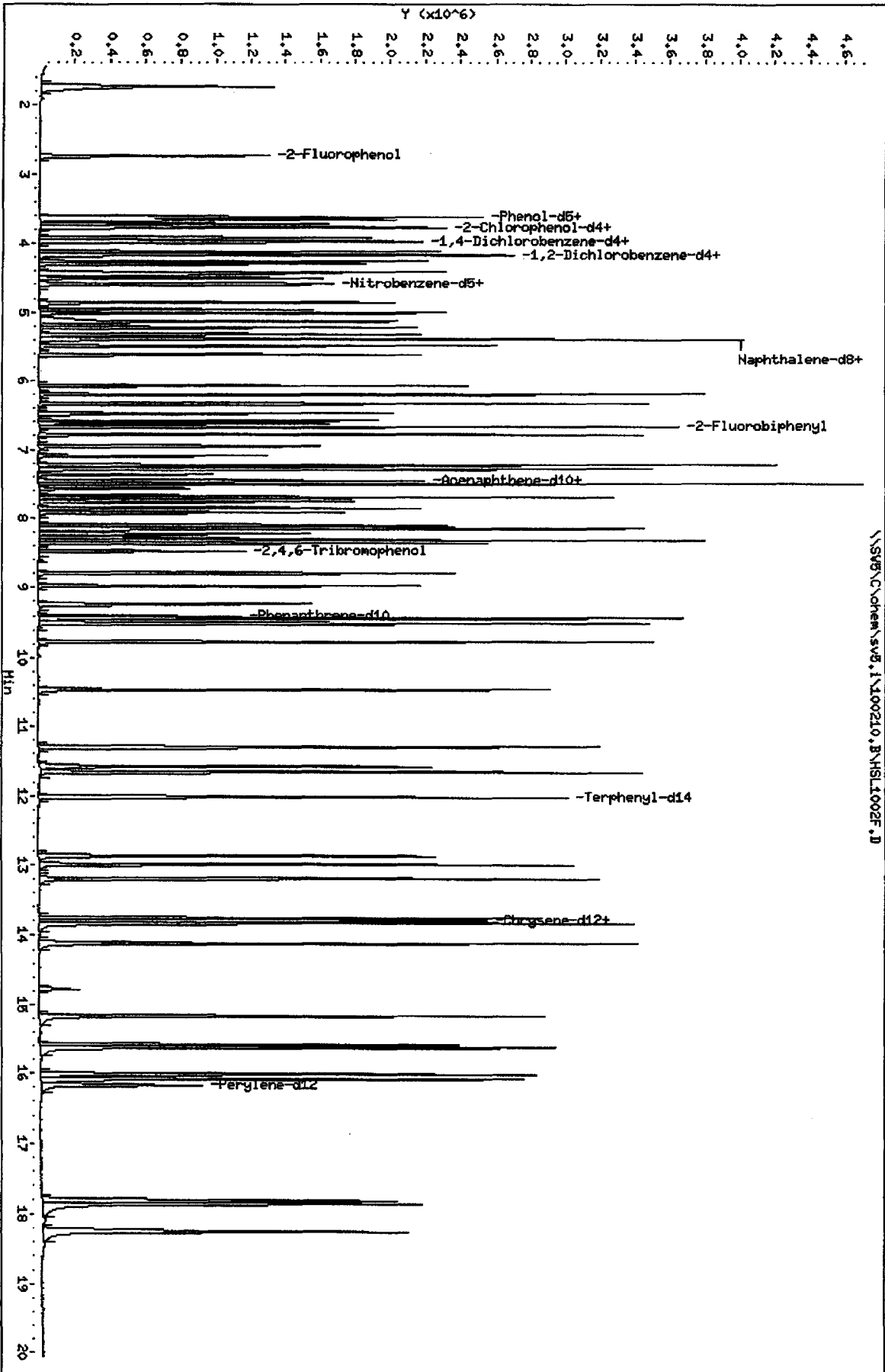
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.08
6 Perylene-d12	16.16	15.66	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: \\SWS\Chem\sv5.1\100210.B\HSL1002F.D
Date: 02-OCT-2010 14:38
Client ID: 8270F.H
Sample Info: HSL_120 ug/ml CS-611161114
Column phase:

Instrument: sv5.1
Operator: KT
Column diameter: 2.00

\\SWS\Chem\sv5.1\100210.B\HSL1002F.D



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-Nitrosodipropylamine	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-Dimethylphenol	107	5.022	5.012	(0.934)	890994	160.000	164.0 (A)

10-3-10

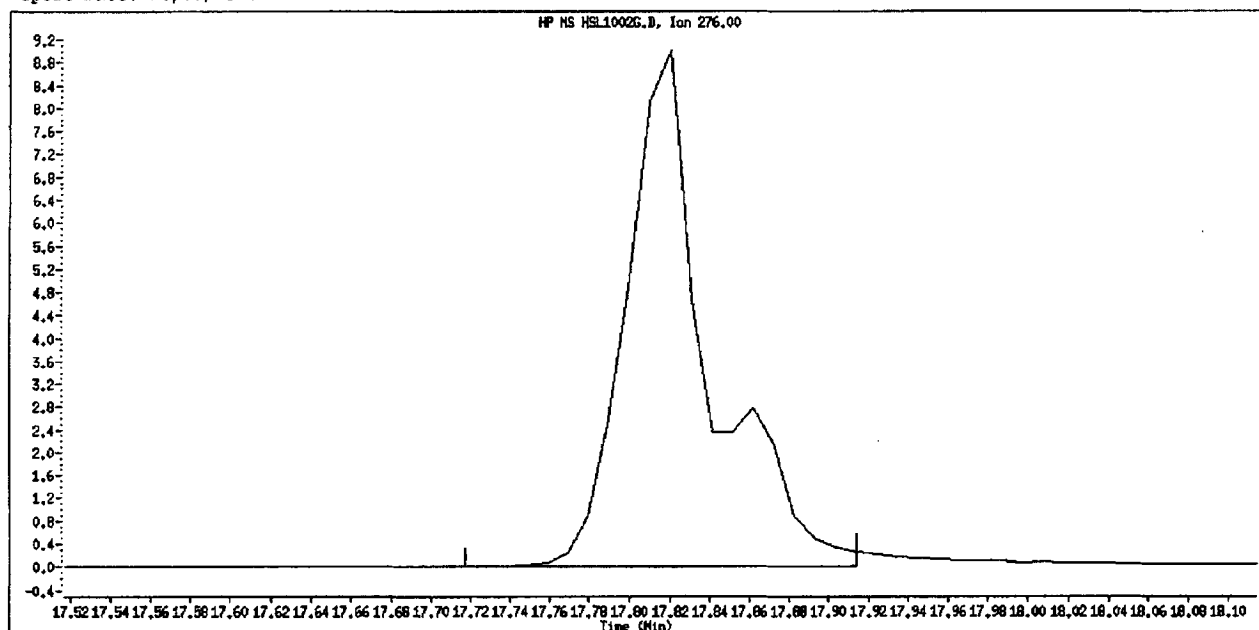
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.136	5.126	(0.956)	959710	160.000	158.5
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	692405	160.000	164.7 (A)
50 Benzoic Acid	122	5.167	5.115	(0.961)	552251	160.000	183.6 (A)
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-Trichlorophenol	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						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
=====	====		----	-----	-----	-----	-----	-----
M 162 benzo b,k Fluoranthene Totals	252					4775333	160.000	164.8 (A)

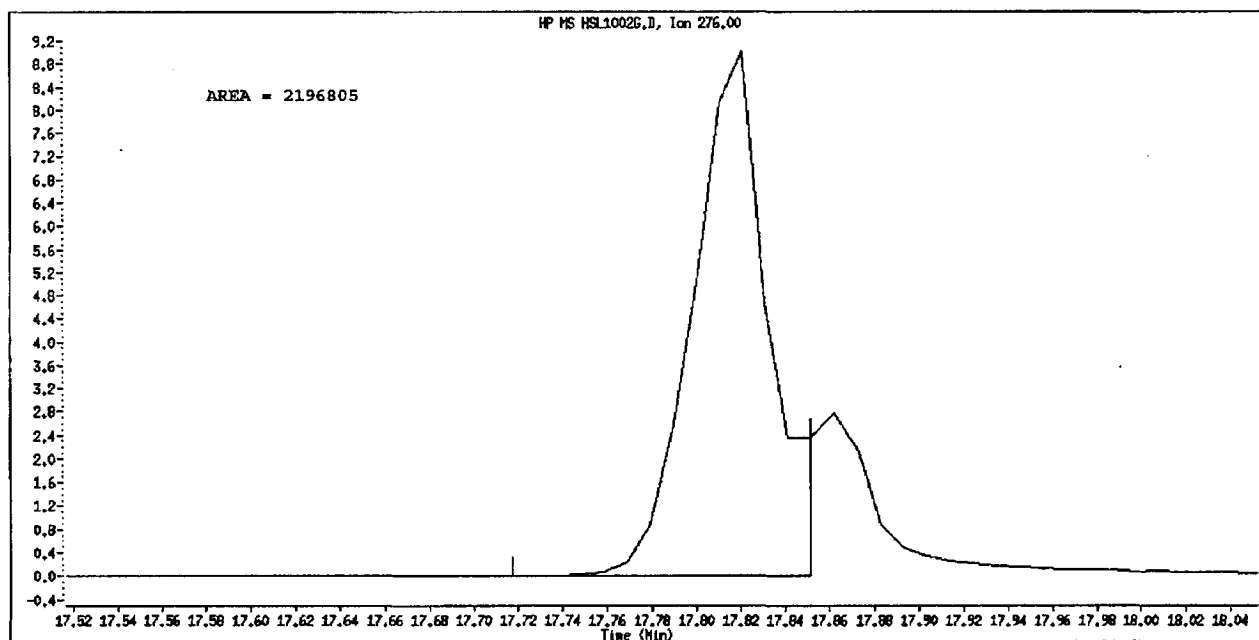
QC Flag Legend

- 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: sv5.1
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	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-Nitrosodipropylamine	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-Dimethylphenol	107		5.022	5.012	(0.934)	890994	160.000	160.2 (A)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	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-Trichlorophenol	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	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.

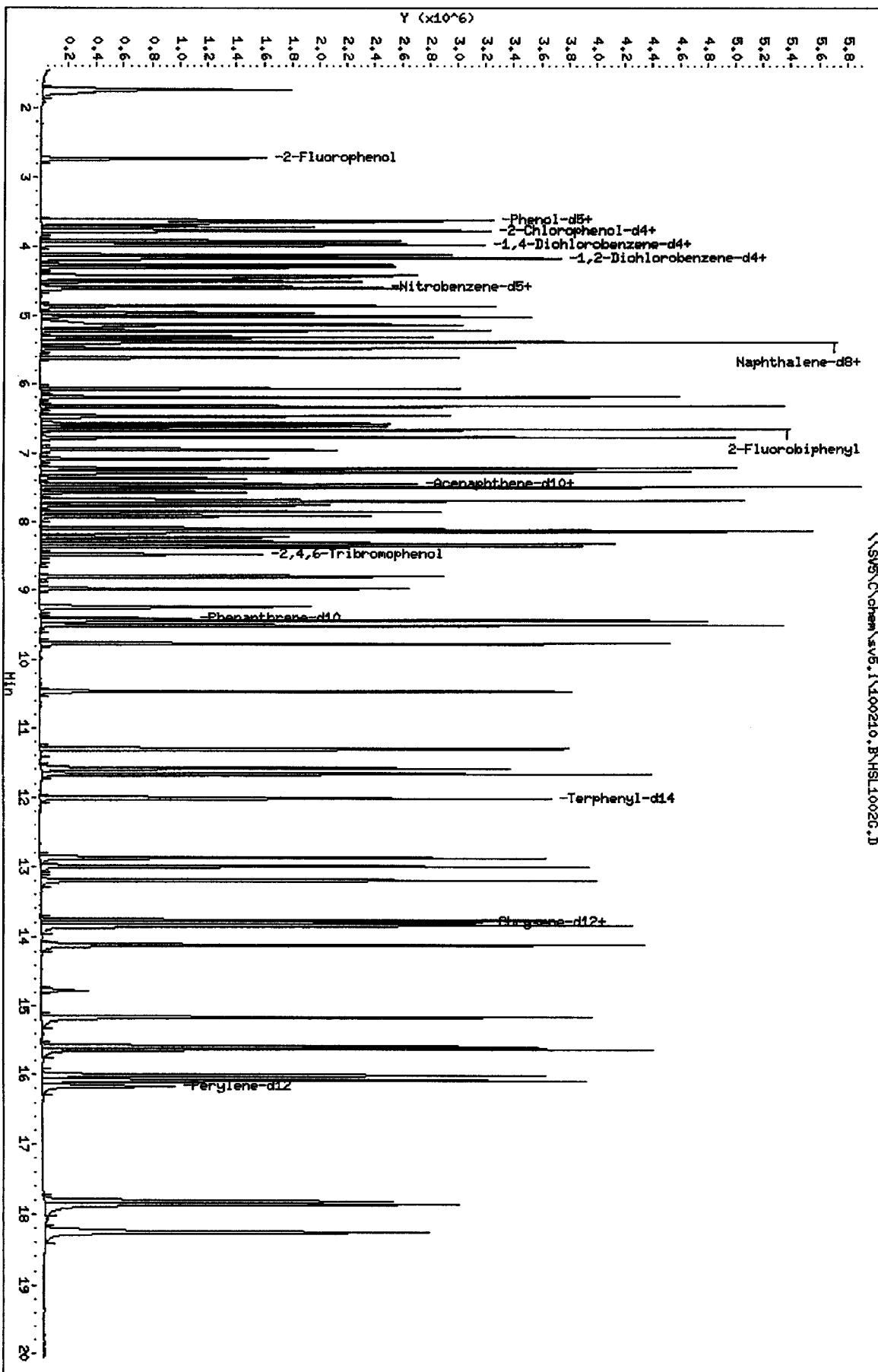
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	141009	14.99
2 Naphthalene-d8	530514	265257	1061028	622461	17.33
3 Acenaphthene-d10	282538	141269	565076	328259	16.18
4 Phenanthrene-d10	462722	231361	925444	532284	15.03
5 Chrysene-d12	435850	217925	871700	539557	23.79
6 Perylene-d12	422284	211142	844568	560436	32.72

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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: \\SVS\chem\sv5.1\1400210.B\HSL10026.D
 Date: 02-01-2010 18:00
 Client ID: 8270F.JH
 Sample Info: HSL_160 ug/ml CS-711177114

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



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-Nitrosodipropylamine	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-Dimethylphenol	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-Trichlorophenol	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

5
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	0.33800	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
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
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
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

see RI
 see RD
 10/3/10

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
 AIs 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-Nitrosodipropylamine	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-Dimethylphenol	107	5.012	5.012	(0.933)	178479	50.0000	47.37	

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	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-Trichlorophenol	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						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	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.

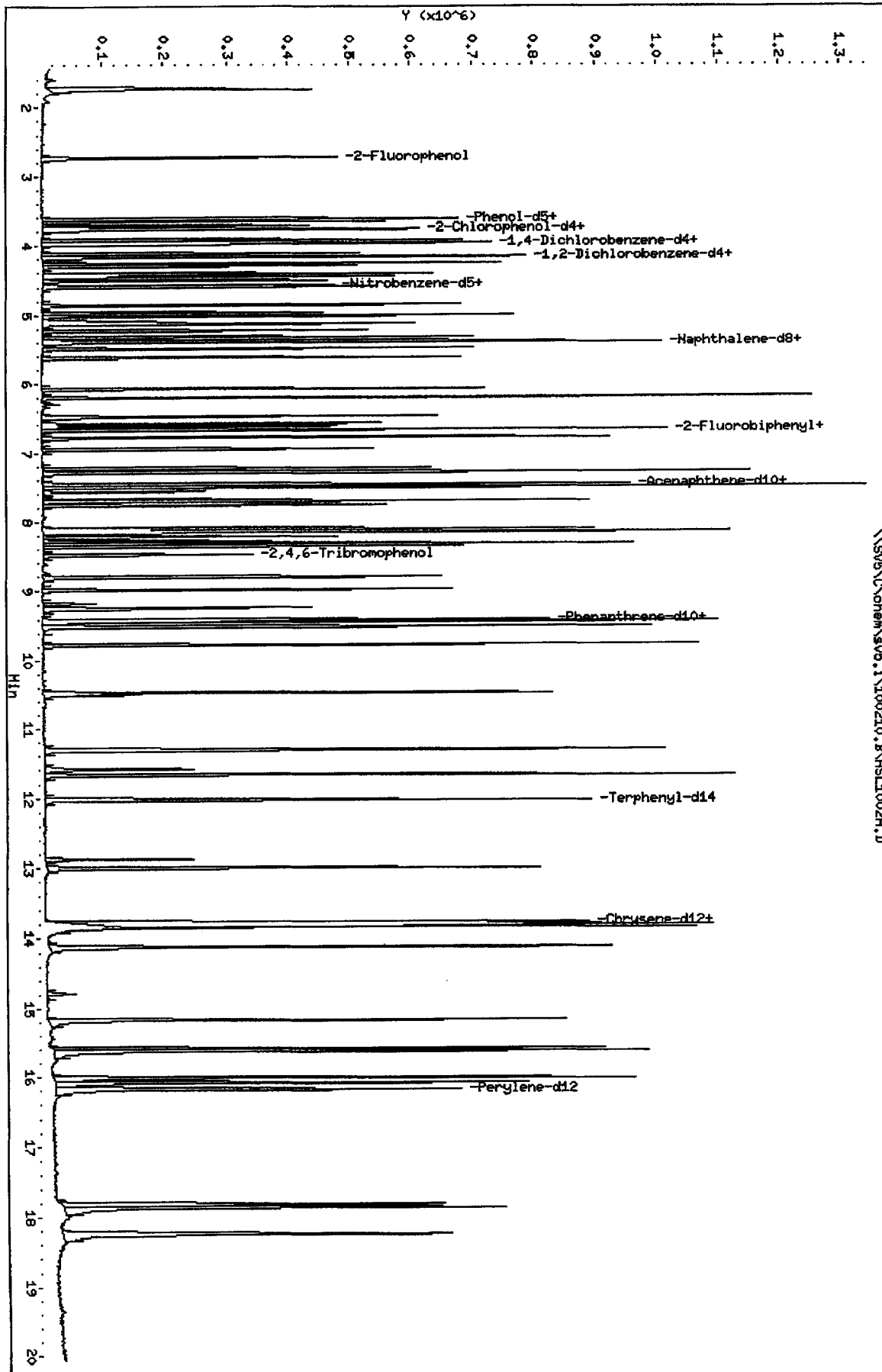
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	98364	-19.78
2 Naphthalene-d8	530514	265257	1061028	431655	-18.63
3 Acenaphthene-d10	282538	141269	565076	236662	-16.24
4 Phenanthrene-d10	462722	231361	925444	380734	-17.72
5 Chrysene-d12	435850	217925	871700	421719	-3.24
6 Perylene-d12	422284	211142	844568	419419	-0.68

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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: \\SVS\C\chem\sv5.1\100210.BVHSL1002H.D
 Date: 02-OCT-2010 16:11
 Client ID: 8270F.M
 Sample Info: HSL_050 ug/ml ICV121411114
 Column phase:

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



\\SVS\C\chem\sv5.1\100210.BVHSL1002H.D

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	CCAL		MIN	MAX	DRIFT		CURVE TYPE
	RRF / AMOUNT	RF50			RRF50	RRF		%D / %DRIPT	%D / %DRIPT
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

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 10-3-10

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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	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	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.

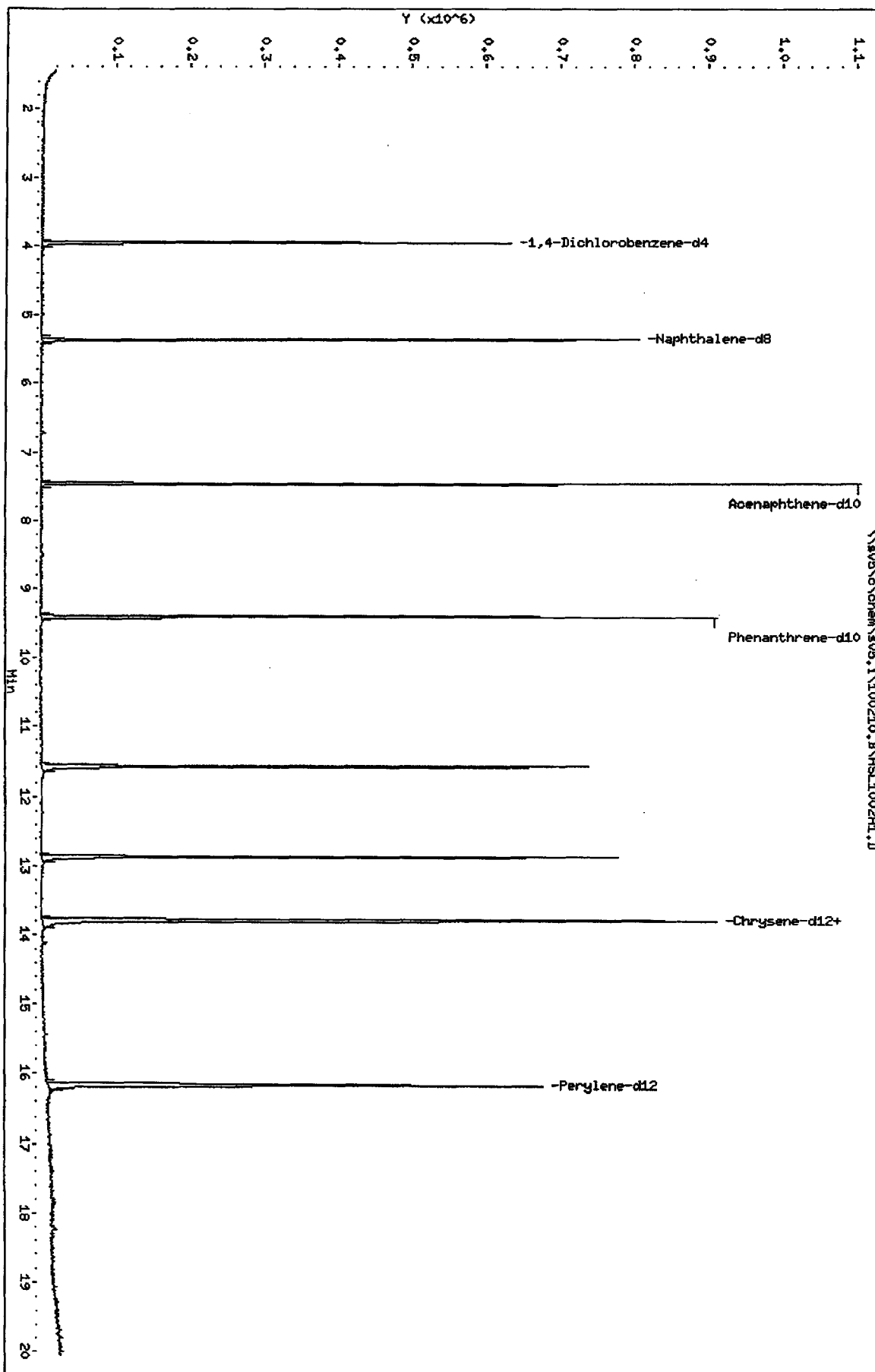
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	115503	-5.81
2 Naphthalene-d8	530514	265257	1061028	480485	-9.43
3 Acenaphthene-d10	282538	141269	565076	254190	-10.03
4 Phenanthrene-d10	462722	231361	925444	405333	-12.40
5 Chrysene-d12	435850	217925	871700	378068	-13.26
6 Perylene-d12	422284	211142	844568	372382	-11.82

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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: \\svb\chem\sv5.1\100210.B\HSL1002H1.D
Date: 02-OCT-2010 16:36
Client ID: 8270F.H
Sample Info: Benzidines ICV Boug/mL;2;4;3;4
Column phase:

Instrument: sv5.1
Operator: KT
Column diameter: 2.00



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

original RRF
10/3/10

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

TestAmerica West Sacramento

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 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

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

TestAmerica West Sacramento

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

TestAmerica West Sacramento

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 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

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

TestAmerica West Sacramento

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 Curve Type : Average

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

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 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

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

TestAmerica West Sacramento
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 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
140 3,3'-Dichlorobenzidine	0.39148 0.42415	0.37695	0.39090	0.39906	0.40353	0.42717		0.40189	4.539
141 bis(2-ethylhexyl)Phthalate	0.91826 0.88354	0.80897	0.84032	0.85193	0.84371	0.89539		0.86316	4.348
142 Di-n-octylphthalate	1.34838 1.50770	1.23185	1.35627	1.34433	1.39356	1.47616		1.37975	6.651
144 Benzo(b)fluoranthene	0.81012 1.02572	0.81077	0.82747	0.99930	0.95373	0.91132		0.90549	10.058
145 Benzo(k)fluoranthene	1.22939 1.10447	1.16528	1.20022	1.09895	1.14223	1.19597		1.16236	4.279
147 Benzo(e)pyrene	0.90394 0.97185	0.92734	0.90757	0.95977	0.96997	0.96929		0.94425	3.220
148 Benzo(a)pyrene	0.98300 1.06523	0.97686	0.99402	1.02789	1.07610	1.06275		1.02655	4.111
151 Indeno(1,2,3-cd)pyrene	0.73783 0.97995	0.73267	0.73671	0.84698	0.84057	0.93730		0.83029	12.151
152 Dibenzo(a,h)anthracene	0.88099 1.00392	0.84384	0.87256	0.92240	0.95990	1.00944		0.92758	7.071
153 Benzo(g,h,i)perylene	0.96025 1.04026	0.98457	0.97380	0.99974	1.01731	1.05397		1.00427	3.452
M 162 benzo b,k Fluoranthene Totals	2.03951 2.13019	1.97605	2.02770	2.09825	2.09596	2.10729		2.06785	2.649

TestAmerica West Sacramento

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

Sample Extraction/Preparation Log
Copies and Checklists

**TestAmerica West Sacramento
Organic Prep Log
8270 Air**

Box # Air Tox # 292
 Shared QC Batch: N/A
 Shares QC With: N/A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	
Inst Receipt:	

Prep Reagents		
Reagent	Supplier	Lot #
1:1 DCM:Acetone	NA	N/A
DCM	Baker	38563
Na2SO4	Baker	3640-12A

Batch: 0349401
 MS Run #:
 Prep Date: 12/15/2010
 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: 16:35 (12/15/10) Soxhlet time off: 8:45 (12/16/10)

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires
					1mL	Other	
GOL140439 - 3		MCAHX1AA	12/16/2010	1.0	✓		1/18/2011
GOL140439 - 6		MCAH41AA	12/16/2010	1.0	✓		1/18/2011
GOL140439 - 9		MCAH91AA	12/17/2010	1.0	✓		1/19/2011
GOL140439 - 12		MCAJE1AA	12/17/2010	1.0	✓		1/19/2011
GOL150000 - 401	B	MCEK71AA	12/16/2010	1.0	✓		1/18/2011
GOL150000 - 401	C	MCEK71AC	12/16/2010	1.0	✓		1/18/2011
GOL150000 - 401	L	MCEK71AD	12/16/2010	1.0	✓		1/18/2011

- XAD / PUF / PUF-XAD
- Filter
- Impinger

Comments/NCMs: _____

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	500uL/10A1R0135/ABU surt	9/6/11	Q	TP	12/15/10
Spike Mix LCS/LCSD/MS/MS	1.0mL/10A1R0136/mix	6/6/11	Q	TP	12/15/10
Pre-Spike Standard All Samples	250uL/10A1R0137/1,2	4/19/11	Q	TP	12/15/10
Internal Standard All Samples	20uL 10MS510438	11-19-11	Q	VMN	12-16-10
Soxhlet Extraction Analyst/Date	Q 12-15-10	Concentration Analyst/Date	EC 12/16/10	KD Analyst/Date	EC 12/16/10
Liq Liq Extraction Analyst/Date	N/A	KD Temp	85°C	Review Analyst/Date	

LEV	LEV	LEV	LEV
1	2	1	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 Analytical Group
 -- Bench Sheet Copied per COC

Extractionist: 090182 Steve Valmores

Concentrationist: 403162 erica X. Larson

 * QC BATCH: 0349401 *
 * PREP DATE: 12/15/10 16:00
 * COMP DATE: 12/16/10 17:00

Reviewer/Date: LARSONE / 12/16/10

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

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#	TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT/VOL	INIT ADJ1	PH"S ADJ2	EXTRACTION VOL	EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
12/16/10	12/21/10	G01140439-003	MCAHX-1-AA	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0 500UL/10AIR0135/ABN SURR
COMMENTS:												
12/16/10	12/21/10	G01140439-006	MCAH4-1-AA	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0 500UL/10AIR0135/ABN SURR
COMMENTS:												
12/17/10	12/21/10	G01140439-009	MCAH9-1-AA	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0 500UL/10AIR0135/ABN SURR
COMMENTS:												
12/17/10	12/21/10	G01140439-012	MCAJ1-1-AA	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0 500UL/10AIR0135/ABN SURR
COMMENTS:												
12/16/10	0/00/00	G01150000-401	MCEK7-1-AAB	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0 500UL/10AIR0135/ABN SURR
COMMENTS:												
12/16/10	0/00/00	G01150000-401	MCEK7-1-ACC	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0 500UL/10AIR0135/ABN SURR
COMMENTS:												
12/16/10	0/00/00	G01150000-401	MCEK7-1-ADD	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0 500UL/10AIR0135/ABN SURR
COMMENTS:												

R = RUSH C = CLP
 E = EPA 600 D = EXP. DEL

NUMBER OF WORK ORDERS IN BATCH: 7

Preparation Data Review Checklist

Prep Batch(es) 0349401

Test: TO-13

Prep Date: 12/15/10

Holding Times: 12/16-12/17/10 NCM: (Y) N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	/	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	/
5. Spiking volumes are correctly documented	/	/
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	/
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	/
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMS entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: ¹⁰ [Signature]

Date: 12/15/10

2nd Level Reviewer: [Signature]

Date: 12/16/10

Comments:

TestAmerica West Sacramento
GC/MS Data Review Checklist

Batch: 0349401

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

NCM: Ⓟ N LO-2D 602140439

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

Analyst: LS

Date: 12/21/10

2nd Level Reviewer: Z 38

Date: 12/21/10

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

Quantify Sample Summary Report

MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Monday, December 20, 2010 15:12:48 Pacific Standard Time
Printed: Monday, December 20, 2010 15:13:12 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: G0L150000-402B 0349402

05-20-10

#	Name	Quan Trace	Sample Size	RT	Pred RT	RRF M.L.	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Flg	Mod	Date	
1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.70	18.70	1.000	1941660.31	4000.0000	4000.0000	100.0	3.0741	0.774	0.770			NO	
2																	
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	2207340.94	3419.2105	3419.2105	85.5	2.5355	0.803	0.770			NO	
4	2,3,7,8-TCDF	303.9016	0.50000	17.76	18.16	0.972	148.79	0.2775	0.2440		0.5793	0.619	0.770			YES	
5	Total TCDFs	303.9016	0.50000		21.44	0.972		0.2775	0.2440		0.5793						
6																	
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.90	18.91	0.890	1459243.75	3378.0100	3378.0100	84.5	3.4543	0.760	0.770			NO	
8	2,3,7,8-TCDD	319.8965	0.50000	18.94	18.93	1.009	274.71	0.7465	0.1914		0.6878	0.097	0.770			YES	
9	Total TCDDs	319.8965	0.50000		19.55	1.009		2.3739	1.4414		0.6878						
10																	
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.91	18.90	0.649	406201.59	1714.5825	0.0000	107.2	2.4361						
12																	
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.52	23.54	0.971	1771131.44	3758.8209	3758.8209	94.0	4.4286	1.589	1.550			NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000		23.55	1.069			<i>ND</i>		0.8163						
15	2,3,4,7,8-PeCDF	339.8597	0.50000	24.94	24.96	1.028	40.42	0.0888	0.0765		0.8486	1.161	1.550			YES	
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		0.0888	0.0765		0.8324						
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		0.5872	0.3638		0.8456						
18									<i>0.8486</i>		<i>0.8486</i>						
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.73	25.75	0.715	1315976.41	3790.4547	3790.4547	94.8	4.5709	1.634	1.550			NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000		25.75	0.894			<i>ND</i>		1.3237						
21	Total PeCDDs	355.8546	0.50000		31.10	0.894		1.0565	1.0200		1.3237						
22																	
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.70	32.74	1.000	1467152.50	4000.0000	4000.0000	100.0	4.9202	1.266	1.240			NO	
24																	
25	13C-1,2,3,4,7,8-HxCDF	363.8639	0.50000	31.39	31.39	1.084	1412205.25	3550.5513	3550.5513	88.8	7.4327	0.509	0.510			NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000		31.41	1.219			<i>ND</i>		0.4974						
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000		31.54	1.396			<i>ND</i>		0.4341						
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000		32.18	1.237			<i>ND</i>		0.4897						
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000		32.89	1.078			<i>ND</i>		0.5621						
30	Total HxCDFs	373.8208	0.50000		0.00	1.233			<i>ND</i>		0.2927						

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Monday, December 20, 2010 15:12:48 Pacific Standard Time
 Printed: Monday, December 20, 2010 15:13:12 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

# 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	0.50000	32.41	32.41	0.894	1286568.50	3921.4374	3921.4374 98.0 /	5.5006	1.221	1.240	NO
33	1,2,3,4,7,8-HxCDD	0.50000	32.34	32.34	1.028		N/D		0.7603		1.240	
34	1,2,3,6,7,8-HxCDD	0.50000	32.42	32.42	1.111				0.7036		1.240	
35	1,2,3,7,8,9-HxCDD	0.50000	32.72	32.72	1.113				0.7022		1.240	
36	Total HxCDDs	0.50000	0.00	0.00	1.084				0.0445 0.7603			
37												
38	13C-1,2,3,4,6,7,8-HpCDD	0.50000	34.26	34.23	0.881	1148583.22	3555.2097	3555.2097 88.9 /	8.8528	0.446	0.440	NO
39	1,2,3,4,6,7,8-HpCDF	0.50000	34.25	34.27	1.402	1031.35	2.5625	1.9857 5.0	0.6929	1.633	1.040	YES
40	1,2,3,4,7,8,9-HpCDF	0.50000	35.38	35.38	1.199				0.8099		1.040	
41	Total HpCDFs	0.50000	0.00	0.00	1.300		2.5625	1.9857 /	0.7468			
42												
43	13C-1,2,3,4,6,7,8-HpCDD	0.50000	35.06	35.03	0.857	1097529.63	3489.9232	3489.9232 87.2 /	6.6790	1.010	1.040	NO
44	1,2,3,4,6,7,8-HpCDD	0.50000	35.08	35.07	0.981	359.15	1.3342	0.0265	1.1863	3.331	1.040	YES
45	Total HpCDDs	0.50000	-0.01	-0.01	0.981		4.7891	2.8587	1.1863			
46												
47	13C-OCDD	0.50000	37.54	37.47	0.643	1688868.44	7137.8874	7137.8874 89.2 /	11.8083	0.872	0.890	NO
48	OCDF	0.50000	37.66	37.65	1.477	385.14	1.2388	1.1008 0.7	0.9284	0.720	0.890	YES
49	OCDD	0.50000	37.56	37.55	1.196	1219.70	4.8443	4.8443 5	1.1907	0.874	0.890	NO
50												20-Dec-10
51												
52	Function 1 PFK	1.00000	0.00	0.00					0.0000			
53	Function 2 PFK	1.00000	0.00	0.00					0.0000			
54	Function 3 PFK	1.00000	0.00	0.00					0.0000			
55	Function 4 PFK	1.00000	0.00	0.00					0.0000			
56	Function 5 PFK	1.00000	0.00	0.00					0.0000			
57	TCDF PCDFE	1.00000	20.25	17.814					0.0000			
58	F1 PeCDF PCDFE	1.00000	19.31	97.109					0.0000			
59	F2 PeCDF PCDFE	1.00000	28.29	51.063					0.0000			
60	HxCDF PCDFE	1.00000	33.18	33.24	21.191	19.80	0.9346	93.5	2.1173			
61	HPCDF PCDFE	1.00000	34.27	39.173					0.0000			
62	OCDF PCDFE	1.00000	39.21	27.302		1.41	0.0517	5.2	0.3680			

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Monday, December 20, 2010 15:12:48 Pacific Standard Time

Printed: Monday, December 20, 2010 15:13:12 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

Total TCDFs

#	Name	Trace	RT	Abs Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4	2,3,7,8-TCDF	303.9016	17.76	148.787	0.2775	0.2440	0.97151	0.5793	0.619	0.770	YES 3.009

Total TCDDs

#	Name	Trace	RT	Abs Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	9	Total TCDDs	319.8965	18.14	196.383	0.5336	0.3403	1.00877	0.6878	0.384	0.770	YES 4.994
2	9	Total TCDDs	319.8965	17.04	160.413	0.4359	0.2918	1.00877	0.6878	1.644	0.770	YES 3.259
3	9	Total TCDDs	319.8965	19.28	242.115	0.6579	0.6579	1.00877	0.6878	0.763	0.770	NO 5.077
4	8	2,3,7,8-TCDD	319.8965	18.94	274.707	0.7465	0.1514	1.00877	0.6878	0.097	0.770	YES 9.046

Total F2 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	1	2,3,4,7,8-PeCDF	339.8597	24.94	40.421	0.0888	0.0785	1.02843	0.8486	1.161	1.550	YES 1.326

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	20.49	98.686	0.2125	0.0670	1.04877	0.8456	0.237	1.550	YES 2.857
2	1	Total F1 PeCD...	339.8597	20.38	173.984	0.3747	0.2968	1.04877	0.8456	0.929	1.550	YES 2.751

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	2	Total PeCDDs	355.8546	26.91	117.673	0.4046	0.3680	0.88408	1.3237	1.237	1.550	YES 2.921
2	2	Total PeCDDs	355.8546	22.33	189.622	0.6519	0.6519	0.88408	1.3237	1.628	1.550	NO 4.756

Total HxCDFs

#	Name	Trace	RT	Abs Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1												

#	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												

#	Name	Trace	RT	Abs Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1												

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Monday, December 20, 2010 15:12:48 Pacific Standard Time
 Printed: Monday, December 20, 2010 15:13:12 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

Total HpCDFs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL Ratio	Prd.Ra...	Ratio...	S/N	
1	3.	1,2,3,4,6,7,8-H...	407.7818	34.25	1031.347	2.5625	1.9857	1.40167	0.6929	1.633	1.040	YES 7.957

Total HpCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL Ratio	Prd.Ra...	Ratio...	S/N	
1	4.	Total HpCDDs	423.7766	35.38	238.597	0.8863	0.4676	0.98108	1.1863	2.867	1.040	YES 1.871
2	4.	1,2,3,4,6,7,8-H...	423.7766	35.08	359.152	1.3342	0.6285	0.98108	1.1863	3.331	1.040	YES 2.645
3	4.	Total HpCDDs	423.7766	34.55	298.879	1.1103	0.9874	0.98108	1.1863	0.829	1.040	YES 4.230
4	4.	Total HpCDDs	423.7766	34.25	392.573	1.4583	0.7753	0.98108	1.1863	2.837	1.040	YES 2.028

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
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Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
 Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402, Task:

W. Smith
 12/20/10

# Name	Trace	Sample Size	RT	Ptd RT	RFI	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl	Mod Date
1 13C-1,2,3,4-TCDD	331.9368	0.500	18.70	18.70	1.00000		1941660.31	4000.0000	4000.0000	100.0	3.07409	0.77	NO	
2 13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993		2207340.94	3419.2105	3419.2105	85.5	2.53553	0.80	NO	
3 2,3,7,8-TCDF	303.9016	0.500	17.76	18.16	0.97151		148.79	0.2775	0.2440		0.57931	0.62	YES	
4 Total TCDFs	303.9016	0.500		21.44	0.97151			0.2775	0.2440		0.57931			
5 13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.88993		1459243.75	3378.0100	3378.0100	84.5	3.45432	0.76	NO	
6 2,3,7,8-TCDD	319.8965	0.500	18.94	18.93	1.00877		274.71	0.7405	0.7544		0.68784	0.10	YES	
7 Total TCDDs	319.8965	0.500		19.55	1.00877			2.0709	1.4444		0.68784			
8 37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.64940		406201.59	1714.5825	0.0000	107.2	2.43607			
9 13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.52	23.54	0.97070		1771131.44	3758.8209	3758.8209	94.0	4.42861	1.59	NO	
10 1,2,3,7,8-PeCDF	339.8597	0.500		23.55	1.06912						0.81628		NO	
11 2,3,4,7,8-PeCDF	339.8597	0.500	24.94	24.96	1.02843		40.42	0.0000	0.0786		0.84858	1.16	YES	
12 Total F2 PeCDFs	339.8597	0.500		34.47	1.04877			0.0000	0.0786		0.0000			
13 Total F1 PeCDFs	339.8597	0.500		36.56	1.04877			0.5072	0.3600		0.0000			
14											0.84858			
15 13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.73	25.75	0.71523		1315976.41	3790.4547	3790.4547	94.8	4.57091	1.63	NO	
16 1,2,3,7,8-PeCDD	355.8546	0.500		25.75	0.88408						1.32374		NO	
17 Total PeCDDs	355.8546	0.500		31.10	0.88408			1.0666	4.0000		1.32374			
18														
19 13C-1,2,3,7,8-HxCDD	401.8559	0.500	32.70	32.74	1.00000		1467152.50	4000.0000	4000.0000	100.0	4.92017	1.27	NO	
20														
21 13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.39	31.39	1.08439		1412205.25	3550.5513	3550.5513	88.8	7.43267	0.51	NO	
22 1,2,3,4,7,8-HxCDF	373.8208	0.500		31.41	1.21851				<i>ND</i>		0.49737		NO	
23 1,2,3,6,7,8-HxCDF	373.8208	0.500		31.54	1.39626				<i>ND</i>		0.43405		NO	
24 2,3,4,6,7,8-HxCDF	373.8208	0.500		32.18	1.23749				<i>ND</i>		0.48974		NO	
25 1,2,3,7,8,9-HxCDF	373.8208	0.500		32.89	1.07822				<i>ND</i>		0.56208		NO	
26 Total HxCDFs	373.8208	0.500		0.00	1.23262				<i>ND 0.56208</i>		0.29272		NO	
27														
28														
29														
30														
31														
32														
33														
34														
35														

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: G0L150000-402B 0349402, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio F1	Mod Date
32 13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.41	32.41	0.89448	1286568.50	3921.4374	3921.4374	98.0	5.50057	1.22	NO	
33 1,2,3,4,7,8-HxCDD	389.8157	0.500	32.34	32.34	1.02768	N/D	N/D	N/D	N/D	0.76034		NO	
34 1,2,3,6,7,8-HxCDD	389.8157	0.500	32.42	32.42	1.11052	N/D	N/D	N/D	N/D	0.70361		NO	
35 1,2,3,7,8,9-HxCDD	389.8157	0.500	32.72	32.72	1.11276	N/D	N/D	N/D	N/D	0.70220		NO	
36 Total HxCDDs	389.8157	0.500	0.00	0.00	1.08365					0.34456 0.76034			
37 13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.26	34.23	0.88081	1148583.22	3555.2097	3555.2097	88.9	8.85276	0.45	NO	
38 1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.25	34.27	1.40167	1031.35	2.5625	1.9857	5.0	0.09289	1.63	YES	
39 1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.38	35.38	1.19912			N/D	N/D	0.80993		NO	
40 Total HpCDFs	407.7818	0.500	0.00	0.00	1.30039			1.9857	5.0	0.74085			
41 13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.06	35.03	0.85740	1097529.63	3489.9232	3489.9232	87.2	6.67896	1.01	NO	
42 1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.08	35.07	0.98108	359.15	1.3342	0.9885		1.18633	3.33	YES	
43 Total HpCDDs	423.7766	0.500	-0.01	-0.01	0.98108			2.5687		1.18633			
44 13C-OCDD	469.7779	0.500	37.54	37.47	0.64317	1683668.44	7137.8874	7137.8874	89.2	11.80833	0.87	NO	
45 OCDF	441.7428	0.500	37.66	37.65	1.47706	385.14	1.2388	1.1008	0.0	0.92806	0.72	YES	
46 OCDD	457.7377	0.500	37.54	37.55	1.19620	522.80	2.0764	2.0764	0.0	1.19073	0.92	NO	
47 Function 1 PFK	330.97920	1.000	0.00	0.00									
48 Function 2 PFK	342.97920	1.000	0.00	0.00									
49 Function 3 PFK	380.97600	1.000	0.00	0.00									
50 Function 4 PFK	430.97290	1.000	0.00	0.00									
51 Function 5 PFK	442.97280	1.000	0.00	0.00									
52 TCDF PCDFE	375.8364	1.000	20.25	20.25	17.814...					0.00000			
53 F1 PeCDF PCDFE	409.79740	1.000	19.31	19.31	97.109...					0.00000			
54 F2 PeCDF PCDFE	409.7974	1.000	28.29	28.29	51.062...					0.00000			
55 HxCDF PCDFE	445.7555	1.000	33.18	33.24	21.190...	19.80	0.9346		93.5	2.11726			
56 HPCDF PCDFE	479.7165	1.000	39.21	34.27	39.173...					0.00000			
57 OCDF PCDFE	513.67750	1.000	39.21	39.16	27.302...	1.41	0.0517		5.2	0.36804			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402, Task:

Total TCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
4	2,3,7,8-TCDF	303.9016	17.76	148.787	0.2775	0.2440	0.97151	0.5793	0.619	0.770	YES	3.009

Total TCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
9	Total TCDDs	319.8965	18.14	196.383	0.5336	0.3403	1.00877	0.6878	0.384	0.770	YES	4.994
9	Total TCDDs	319.8965	17.04	160.413	0.4359	0.2918	1.00877	0.6878	1.644	0.770	YES	3.259
9	Total TCDDs	319.8965	19.28	242.115	0.6579	0.6579	1.00877	0.6878	0.763	0.770	NO	5.077
8	2,3,7,8-TCDD	319.8965	18.94	274.707	0.7465	0.1514	1.00877	0.6878	0.097	0.770	YES	9.046

Total F2 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
...	2,3,4,7,8-PeCDF	339.8597	24.94	40.421	0.0888	0.0785	1.02843	0.8486	1.161	1.550	YES	1.326

Total F1 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
...	Total F1 PeCD...	339.8597	20.49	98.686	0.2125	0.0670	1.04877	0.8456	0.237	1.550	YES	2.857
...	Total F1 PeCD...	339.8597	20.38	173.984	0.3747	0.2968	1.04877	0.8456	0.929	1.550	YES	2.751

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
...	Total PeCDDs	355.8546	26.91	117.673	0.4046	0.3680	0.88408	1.3237	1.237	1.550	YES	2.921
...	Total PeCDDs	355.8546	22.33	189.622	0.6519	0.6519	0.88408	1.3237	1.628	1.550	NO	4.756

Total HxCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N

Total HxCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402, Task:

Total HpCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... 1,2,3,4,6,7,8-H...	407.7818	34.25	1031.347	2.5625	1.9857	1.40167	0.6929	1.633	1.040	YES	7.957

Total HpCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... Total HpCDDs	423.7766	35.38	238.597	0.8863	0.4676	0.98108	1.1863	2.867	1.040	YES	1.871
2	... 1,2,3,4,6,7,8-H...	423.7766	35.08	359.152	1.3342	0.6285	0.98108	1.1863	3.331	1.040	YES	2.645
3	... Total HpCDDs	423.7766	34.55	298.879	1.1103	0.9874	0.98108	1.1863	0.829	1.040	YES	4.230
4	... Total HpCDDs	423.7766	34.25	392.573	1.4583	0.7753	0.98108	1.1863	2.837	1.040	YES	2.028

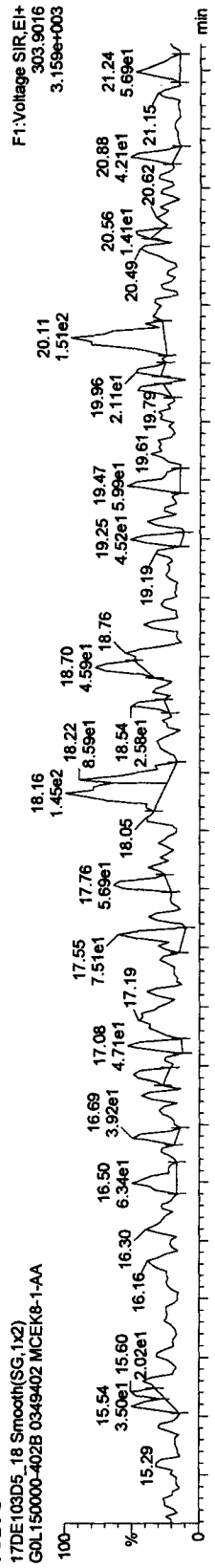
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

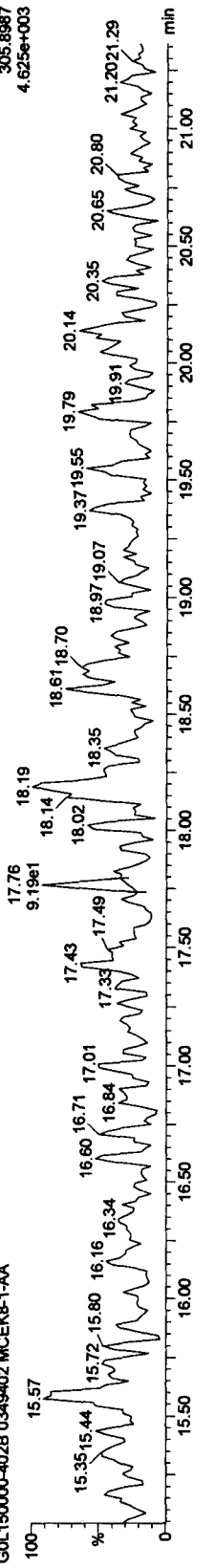
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Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, **Date:** 17-Dec-2010, **Time:** 21:08:58, **ID:** MCEK8-1-AA, **Description:** GOL150000-402B 0349402

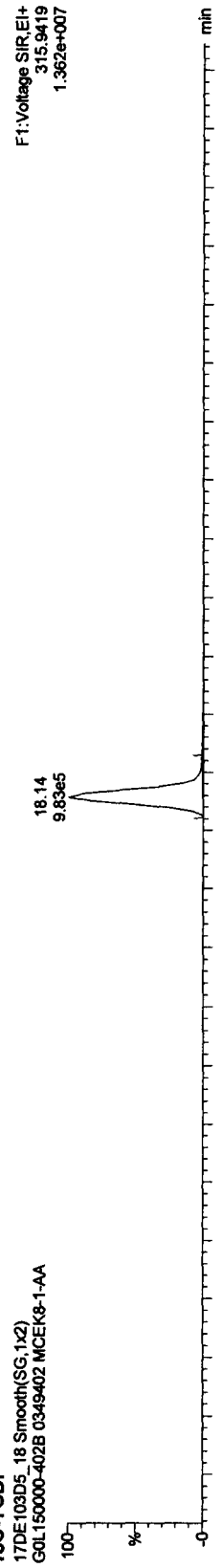
TCDFs



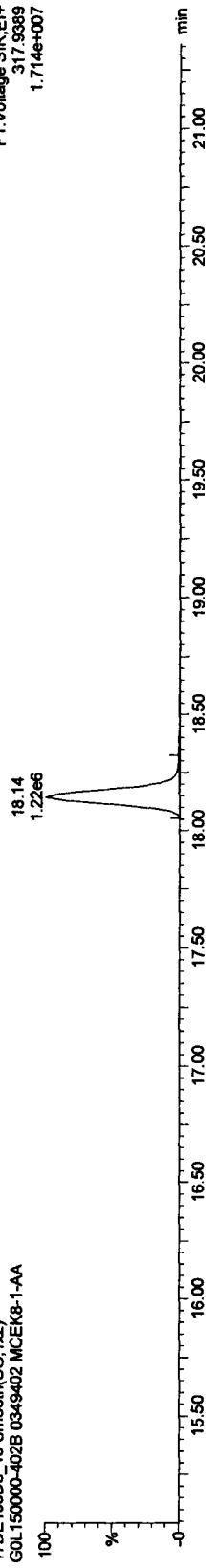
17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA



13C-TCDF



17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA



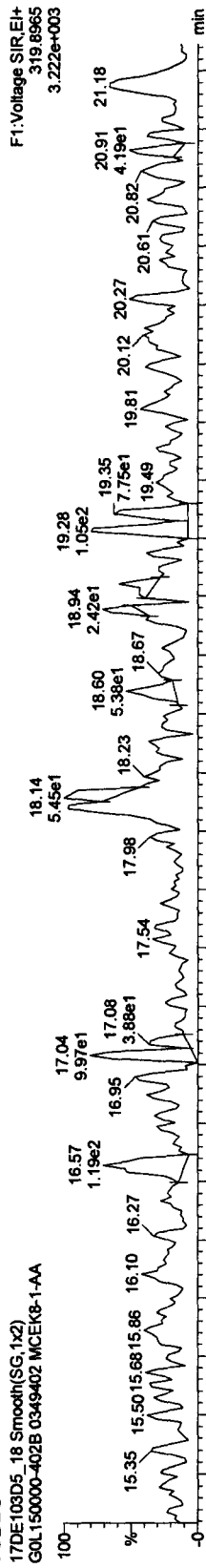
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

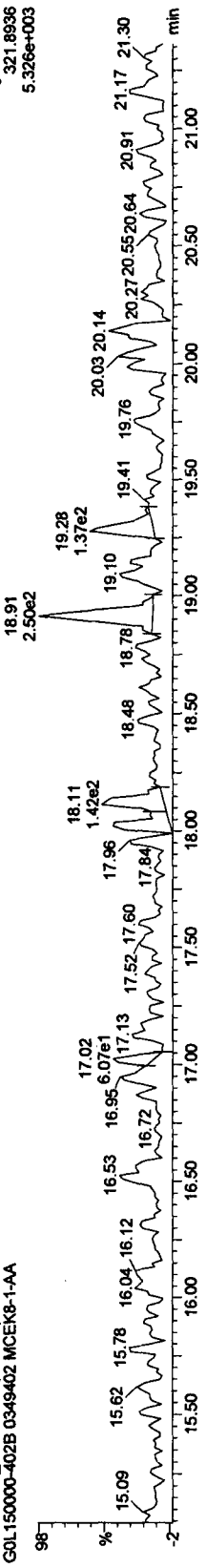
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

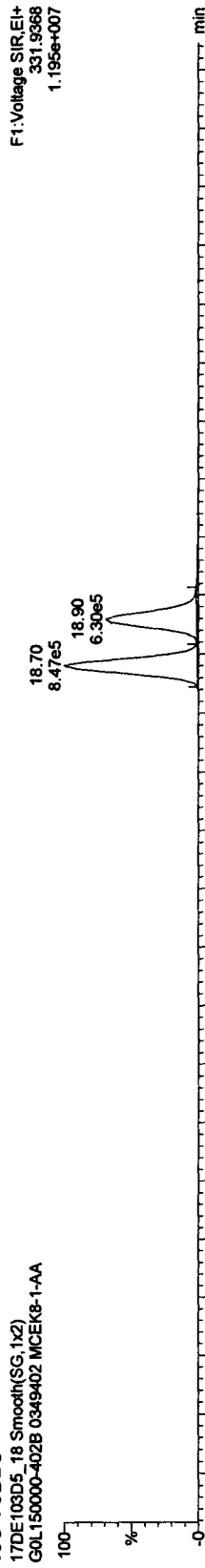
TCDDs



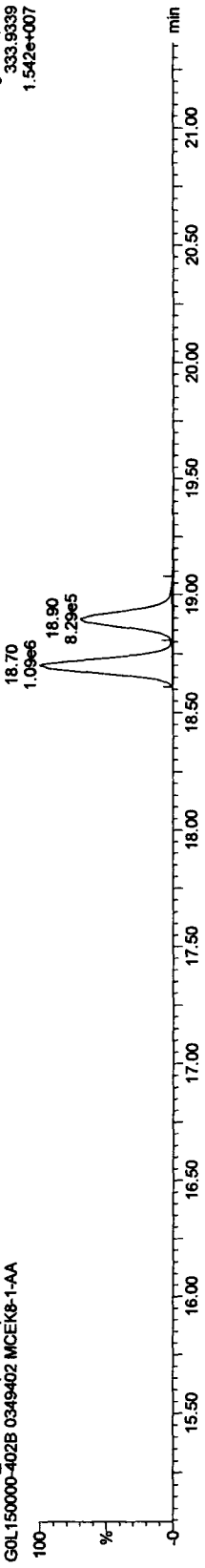
17DE103D5_18 Smooth(SG,1x2)



13C-TCDDs



17DE103D5_18 Smooth(SG,1x2)



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

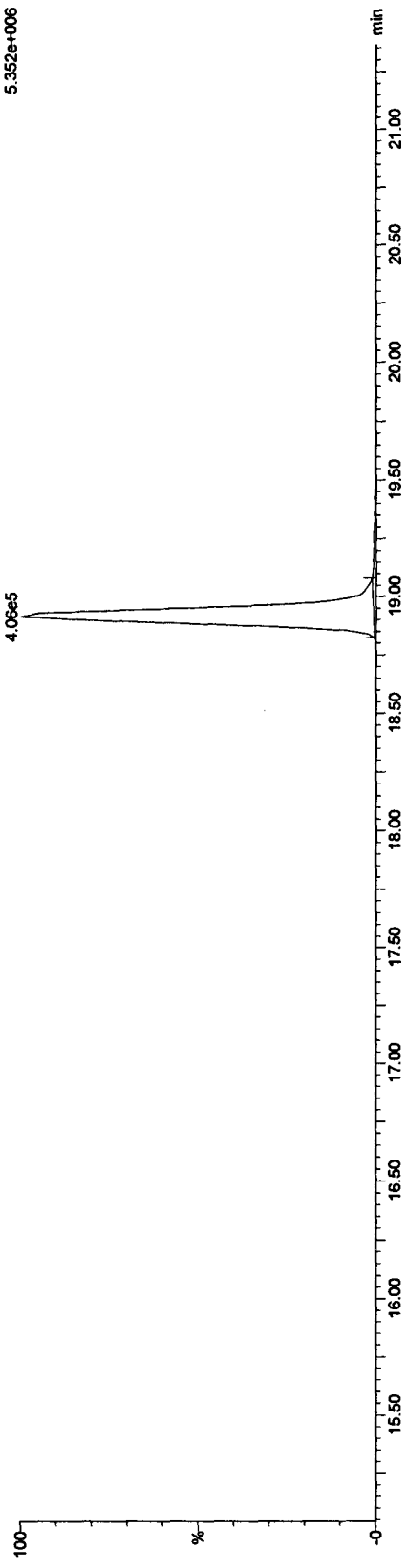
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: G0L150000-402B 0349402

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

17DE103D5_18 Smooth(SG,1x2)
G0L150000-402B 0349402 MCEK8-1-AA

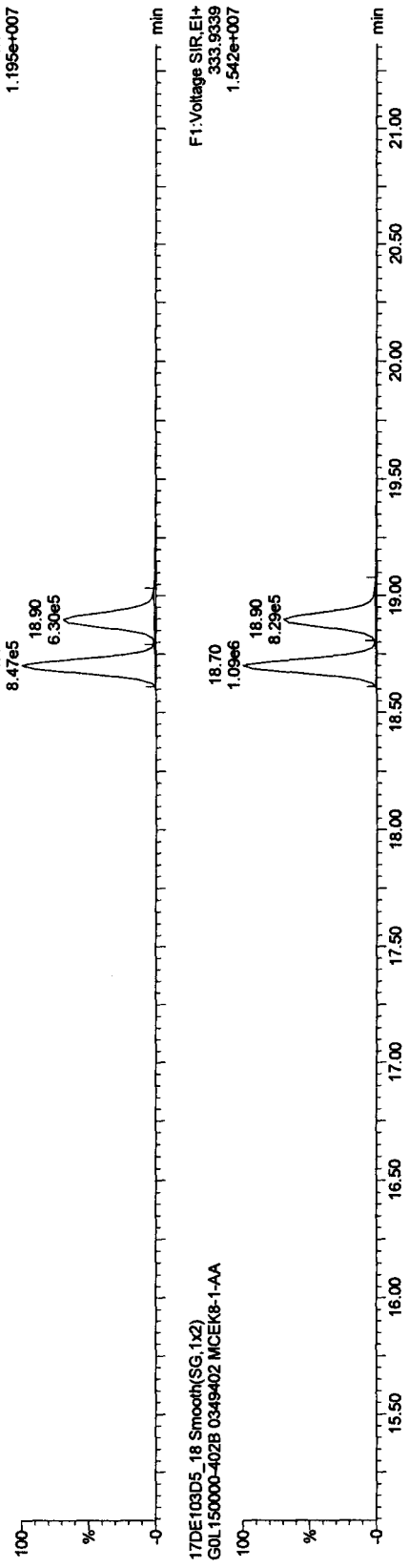
F1:Voltage SIR,EI+
327.8847
5.352e+006



13C-TCDDs

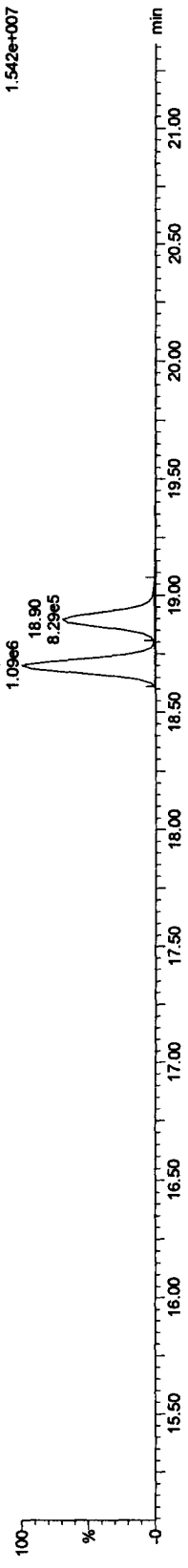
17DE103D5_18 Smooth(SG,1x2)
G0L150000-402B 0349402 MCEK8-1-AA

F1:Voltage SIR,EI+
331.9368
1.195e+007



17DE103D5_18 Smooth(SG,1x2)
G0L150000-402B 0349402 MCEK8-1-AA

F1:Voltage SIR,EI+
333.9339
1.542e+007



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV17DE103D5TO9A.qld

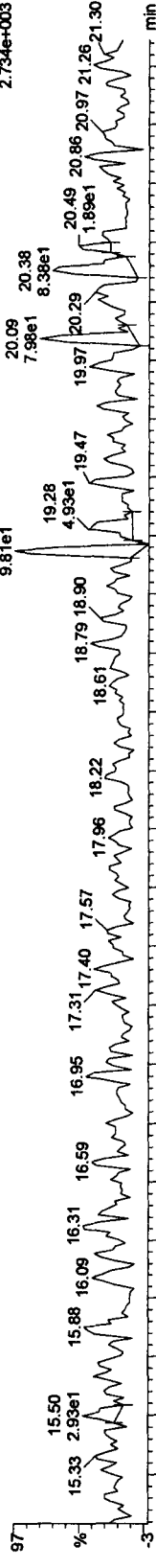
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

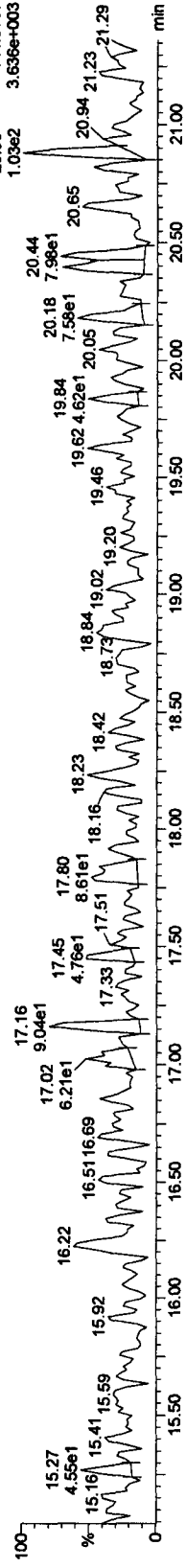
Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

F1 PeCDFs

17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

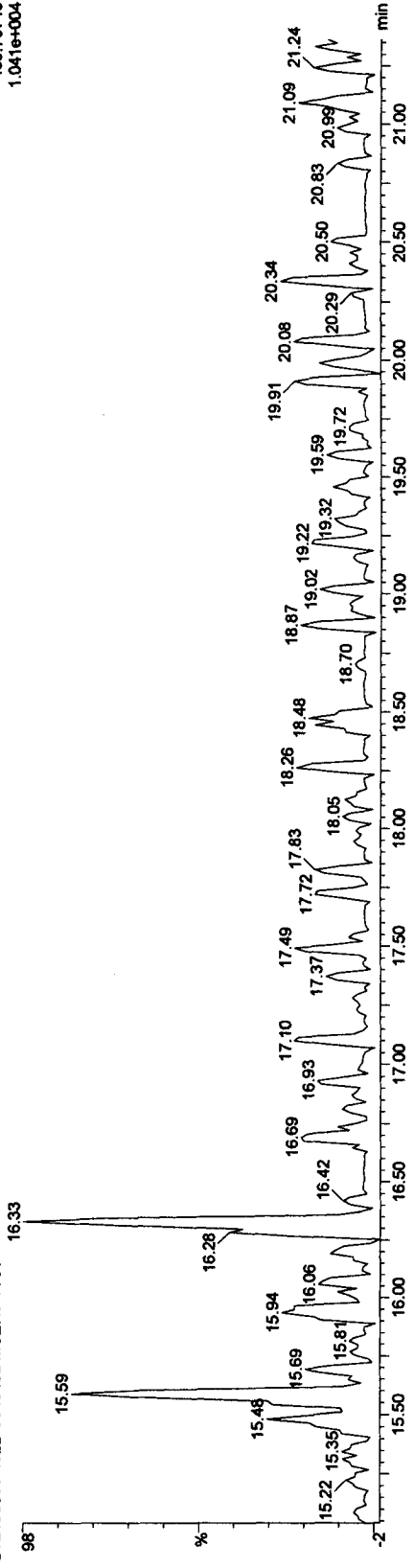


17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA



F1 PeCDF PCDFE

17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

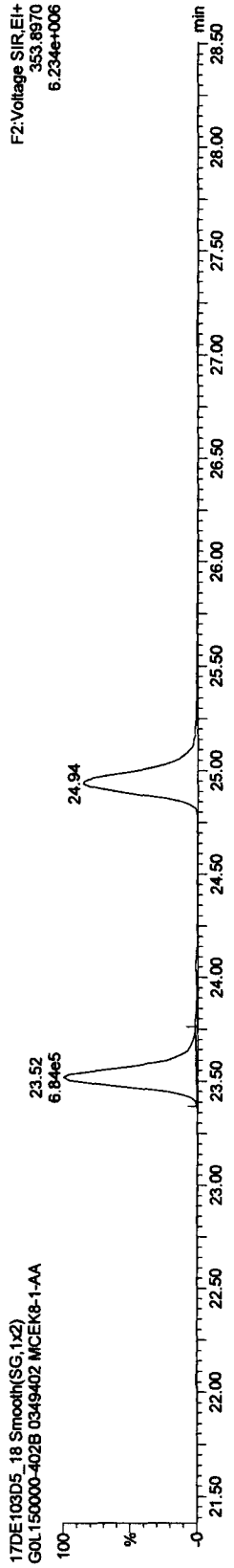
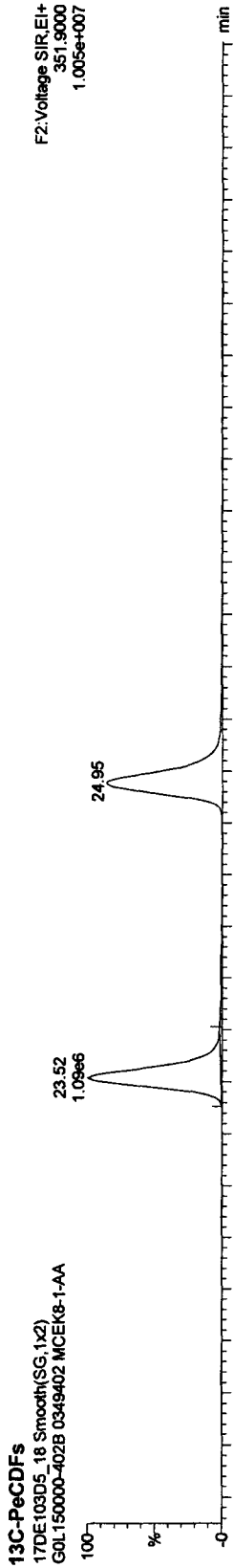
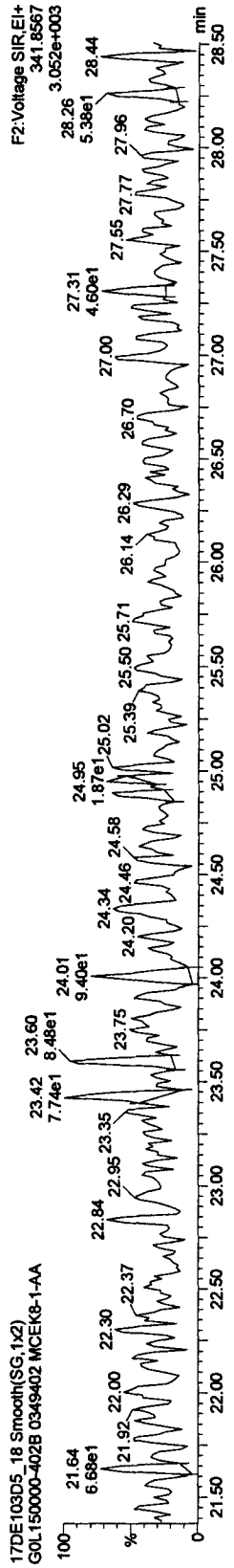
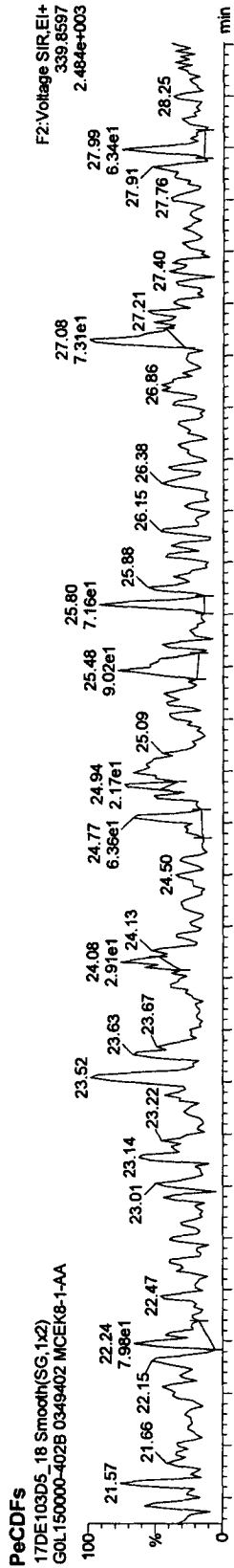


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402



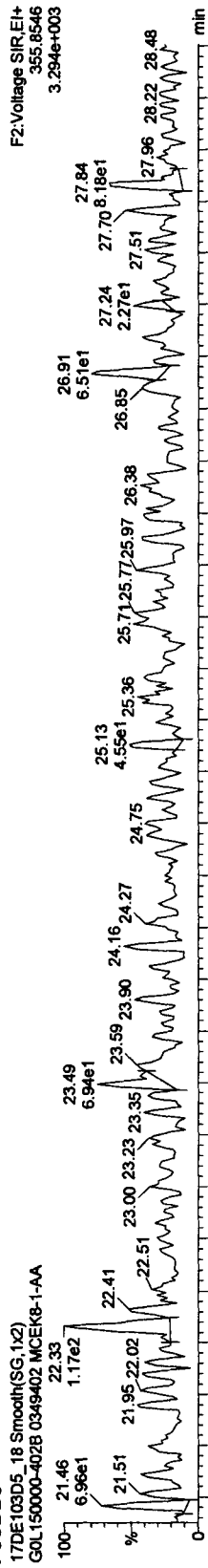
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

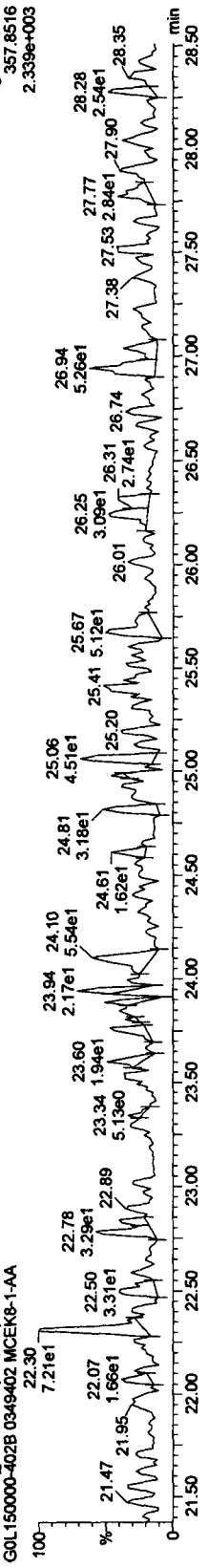
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

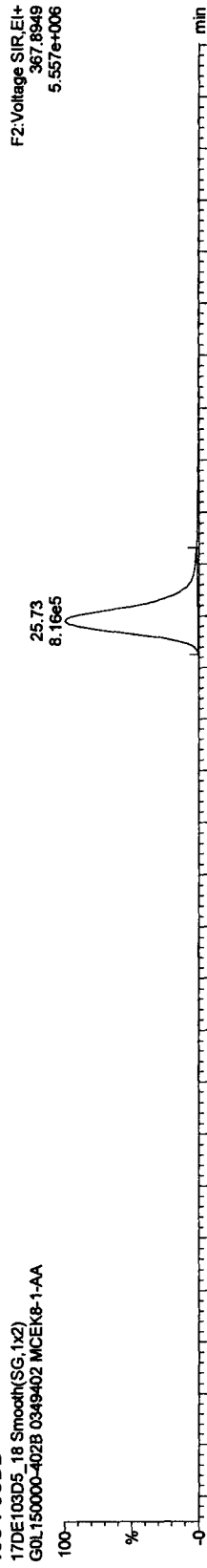
PeCDDs



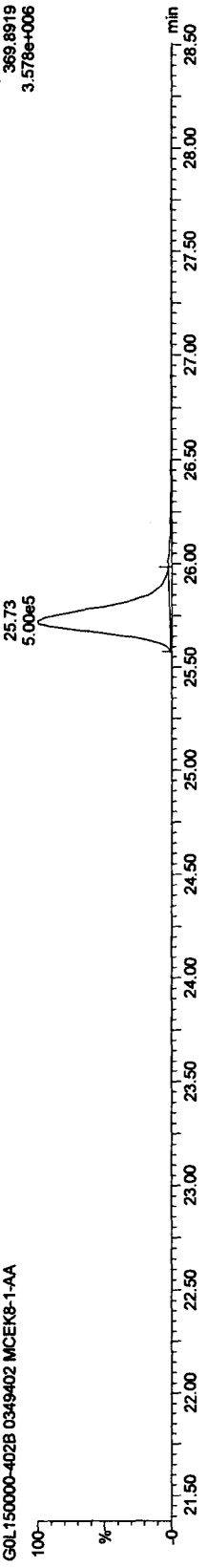
17DE103D5_18 Smooth(SG,1X2)



13C-PeCDD



17DE103D5_18 Smooth(SG,1X2)



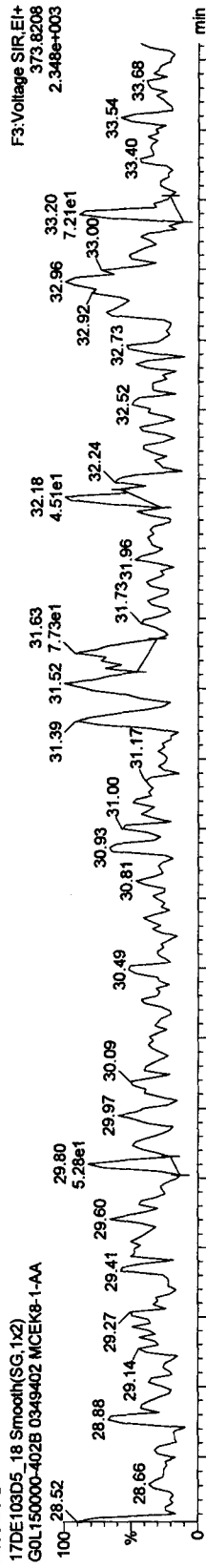
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

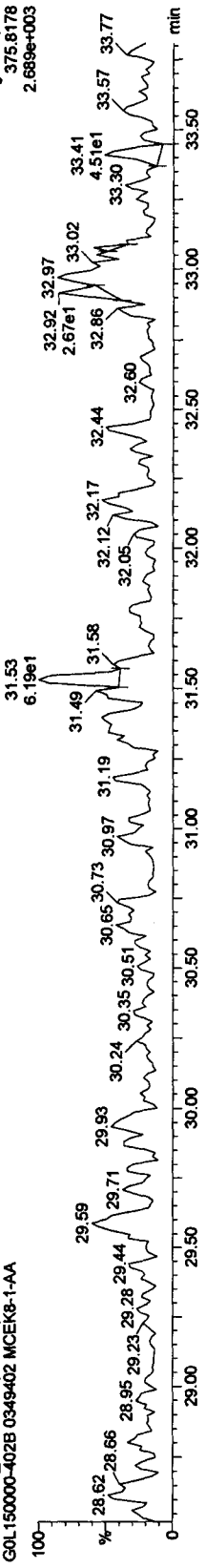
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Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

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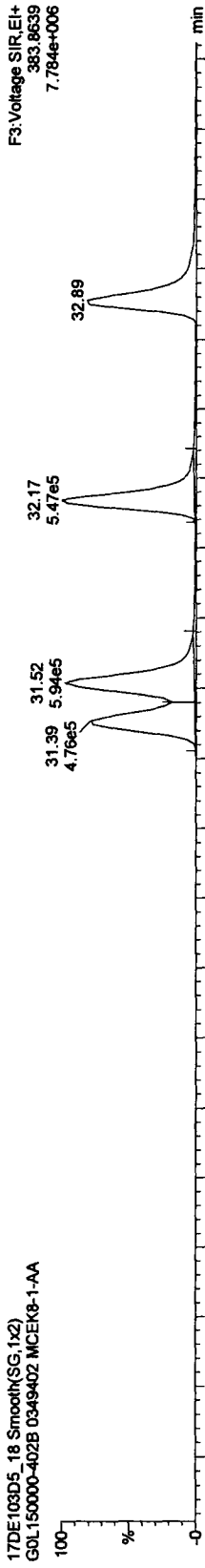
HxCDFs



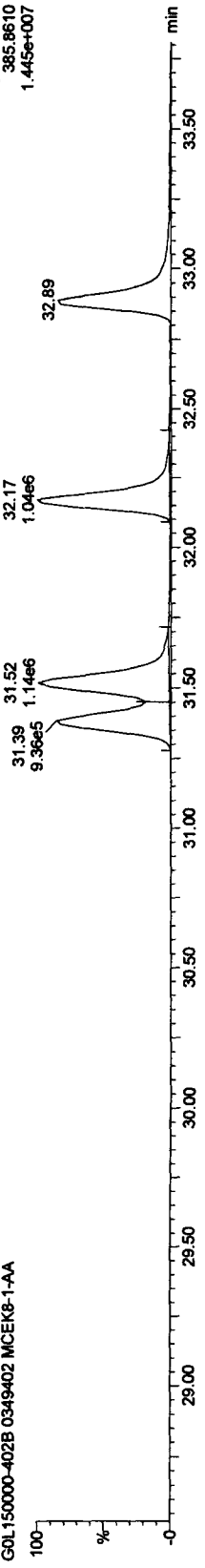
13C-HxCDFs



13C-HxCDFs



HxCDFs



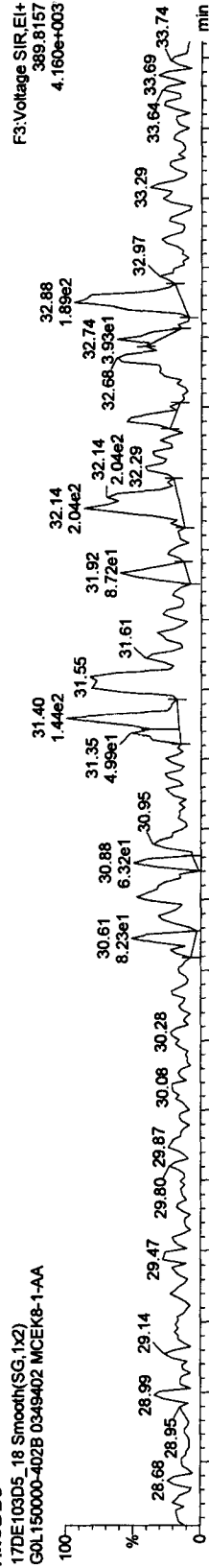
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

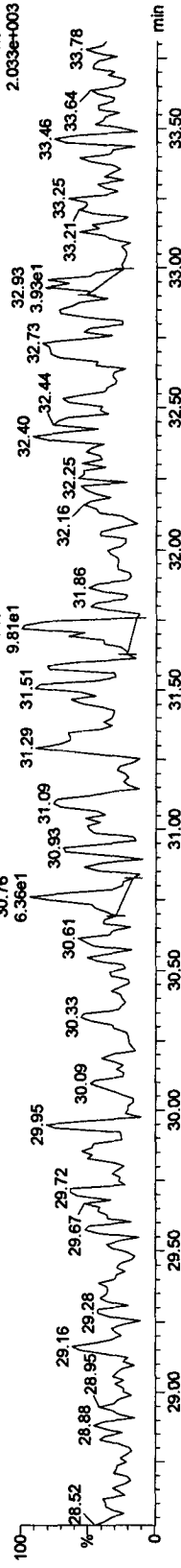
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

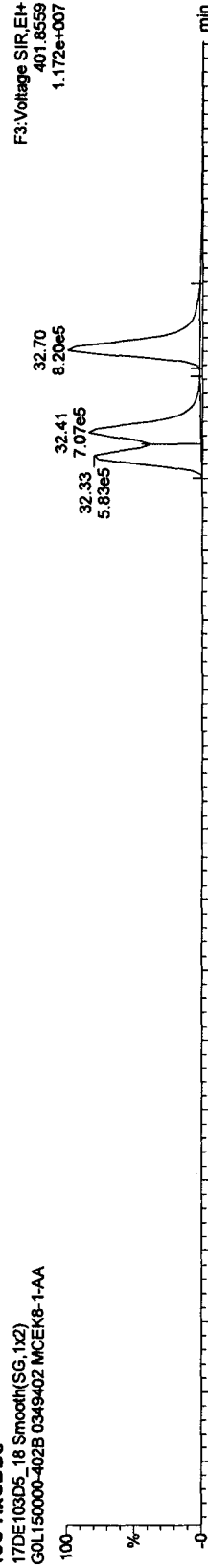
HxCDDs



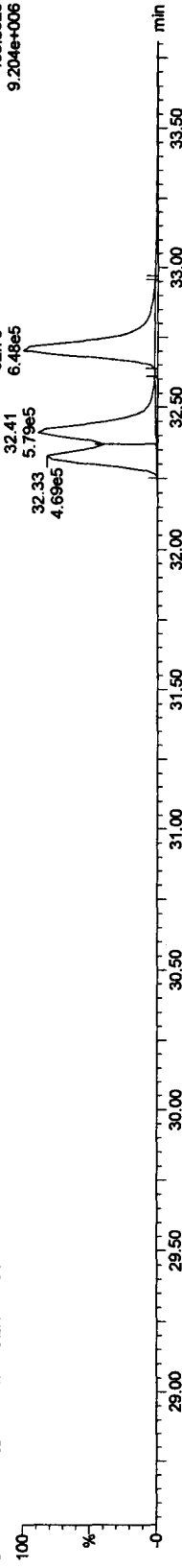
HxCDDs



13C-HxCDDs



HxCDDs



Quantify Sample Report MassLynx 4.1

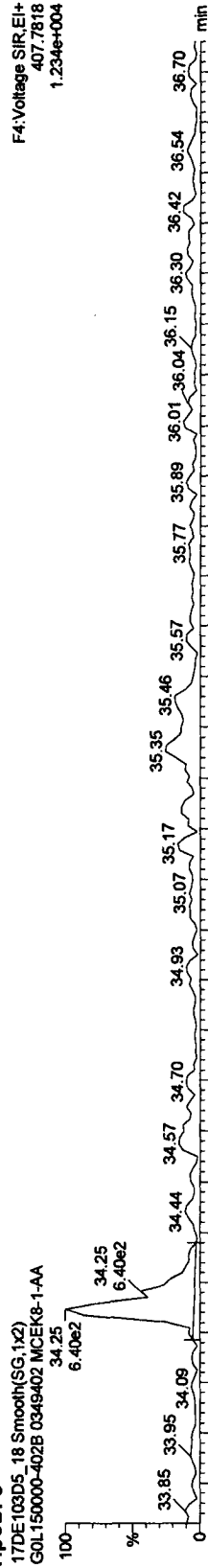
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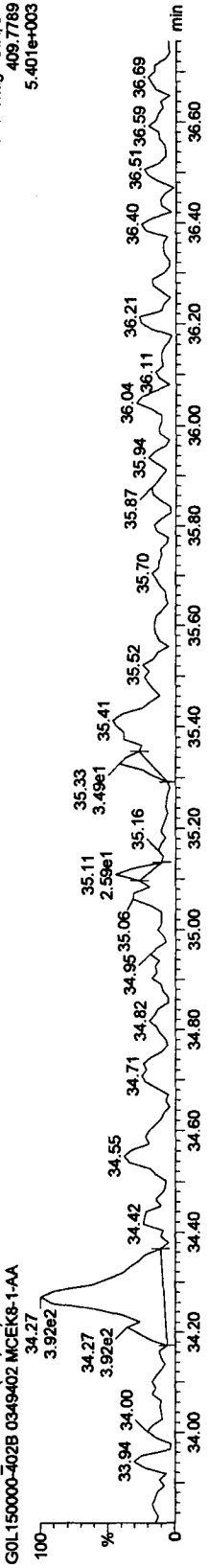
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

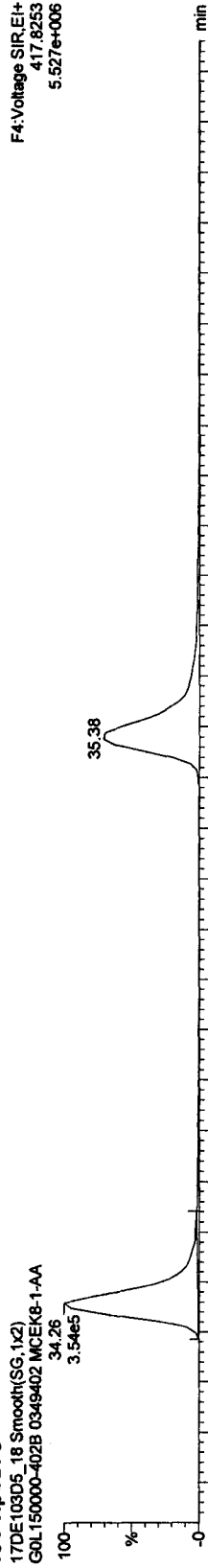
HpCDFs



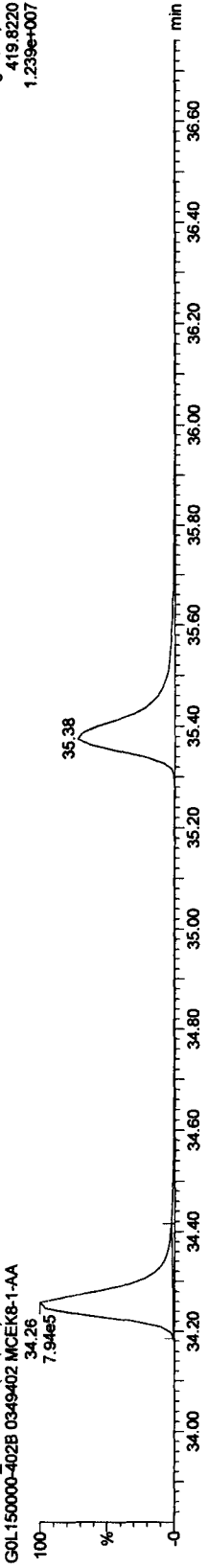
17DE103D5_18 Smooth(SG,1x2)



13C-HpCDFs



17DE103D5_18 Smooth(SG,1x2)



Quantify Sample Report MassLynx 4.1

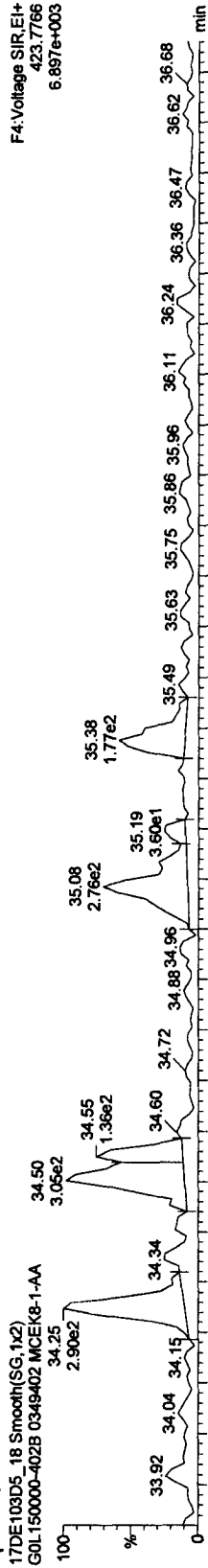
Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

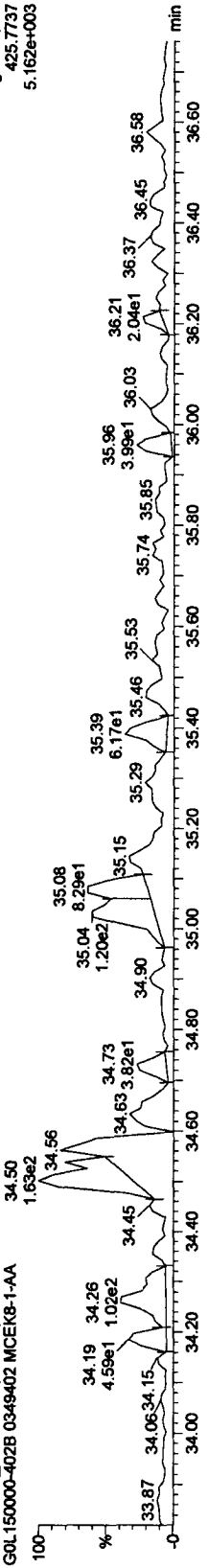
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

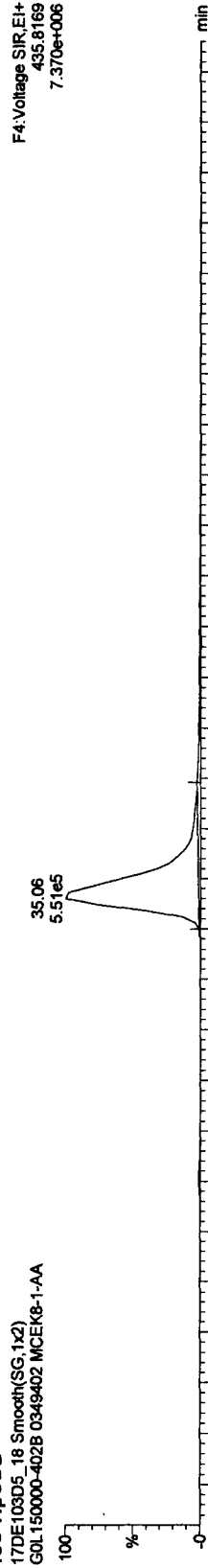
HpCDDs



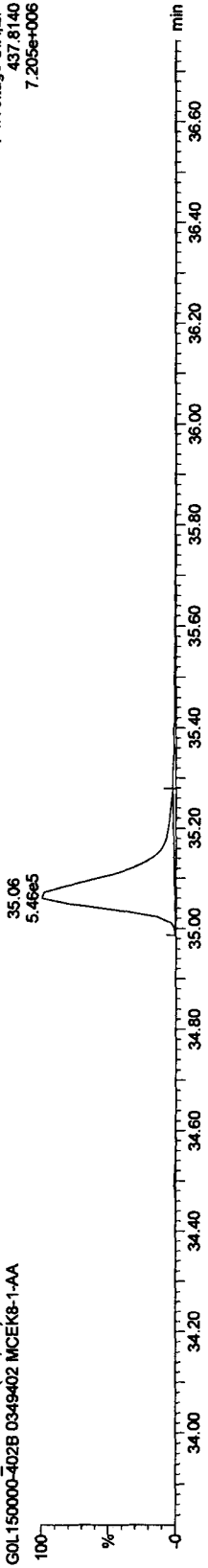
17DE103D5_18 Smooth(SG,1x2)



13C-HpCDD



17DE103D5_18 Smooth(SG,1x2)



Quantify Sample Report MassLynx 4.1

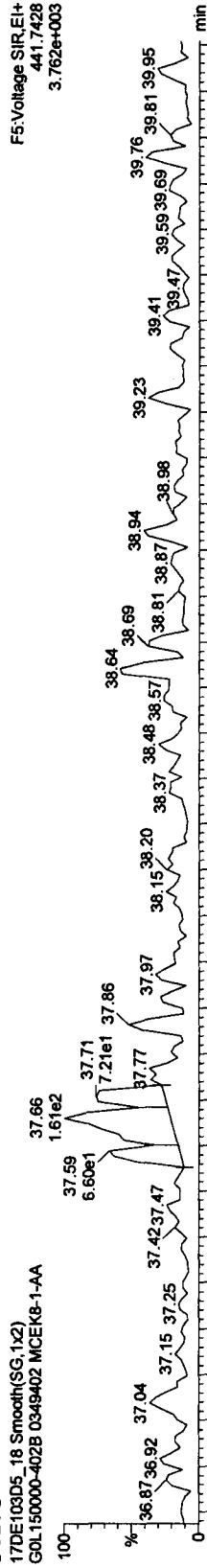
Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

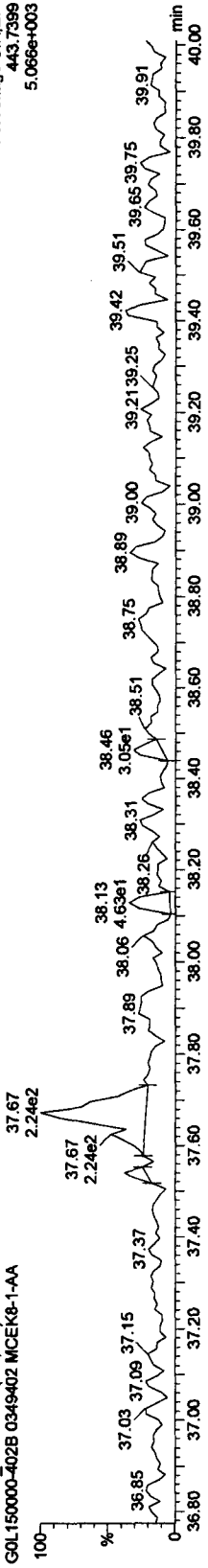
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

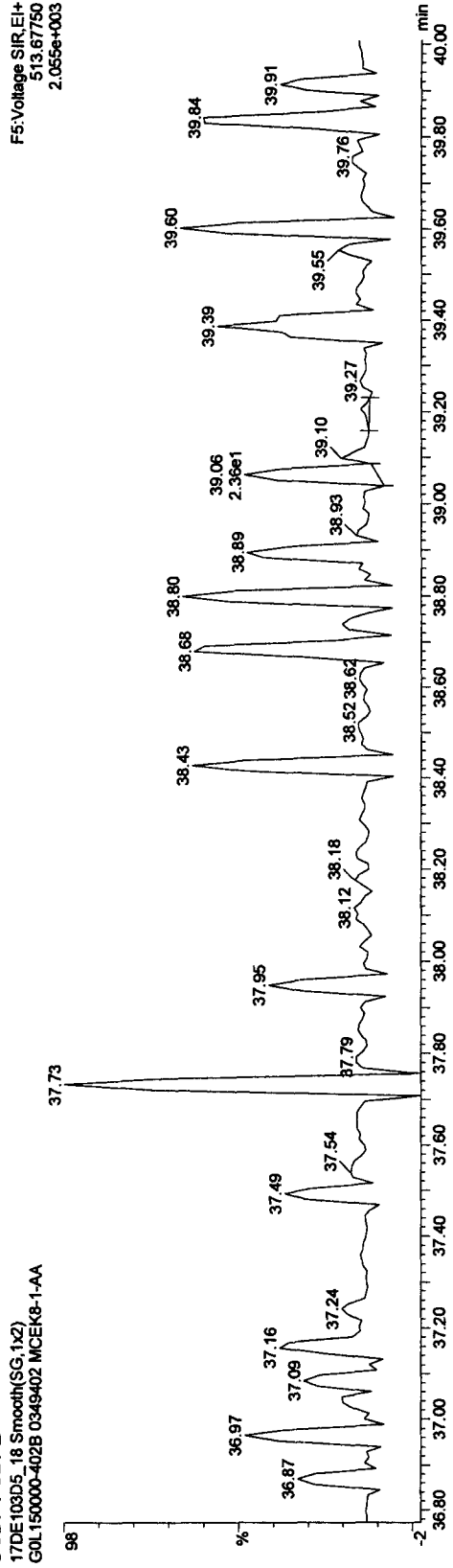
OCDFs



OCDF PCDPPE



OCDF PCDPPE



Quantify Sample Report MassLynx 4.1

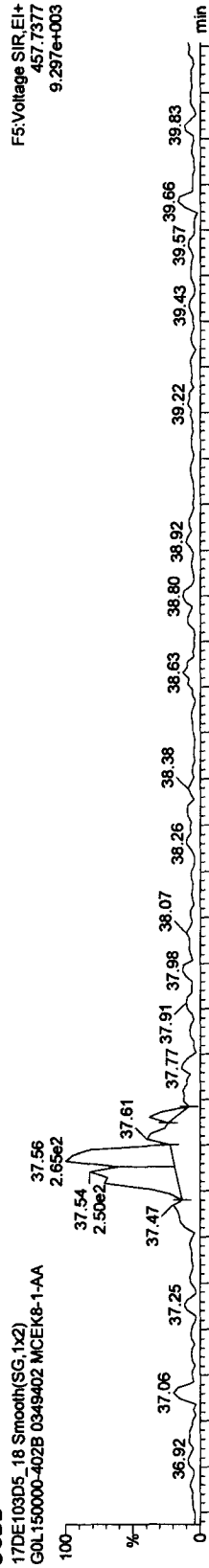
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

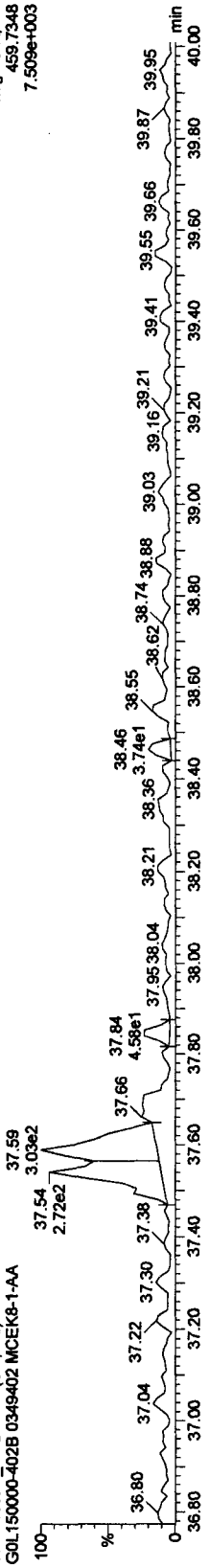
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

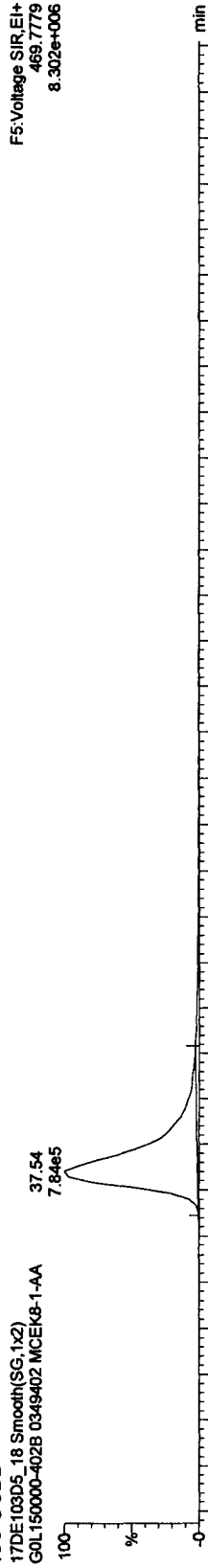
OCDD



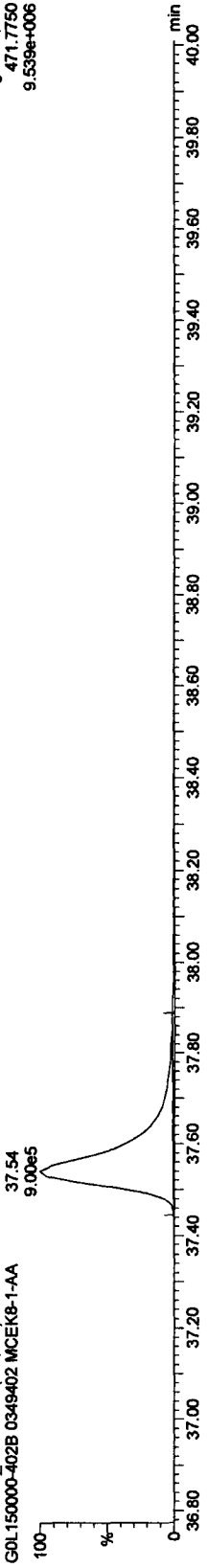
17DE103D5_18 Smooth(SG,1x2)



13C-OCDD



17DE103D5_18 Smooth(SG,1x2)



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Monday, December 20, 2010 15:12:48 Pacific Standard Time
Printed: Monday, December 20, 2010 15:13:39 Pacific Standard Time

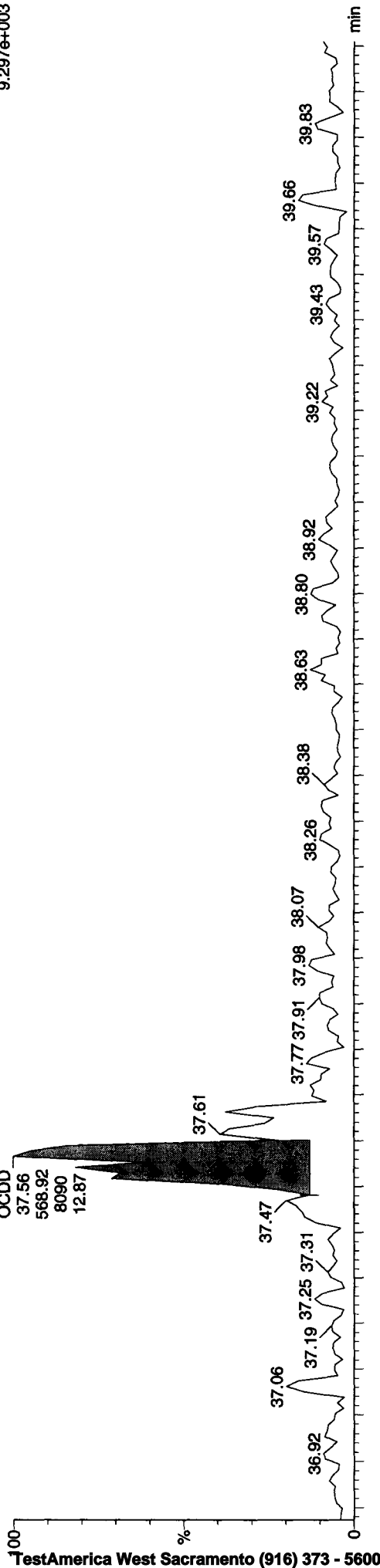
Method: C:\MassLynx\JAN2010.PRO\MethDB\T093D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Compound Name: OCDD, Chrom. Trace: 457.7377

Sample Name: 17DE103D5_18

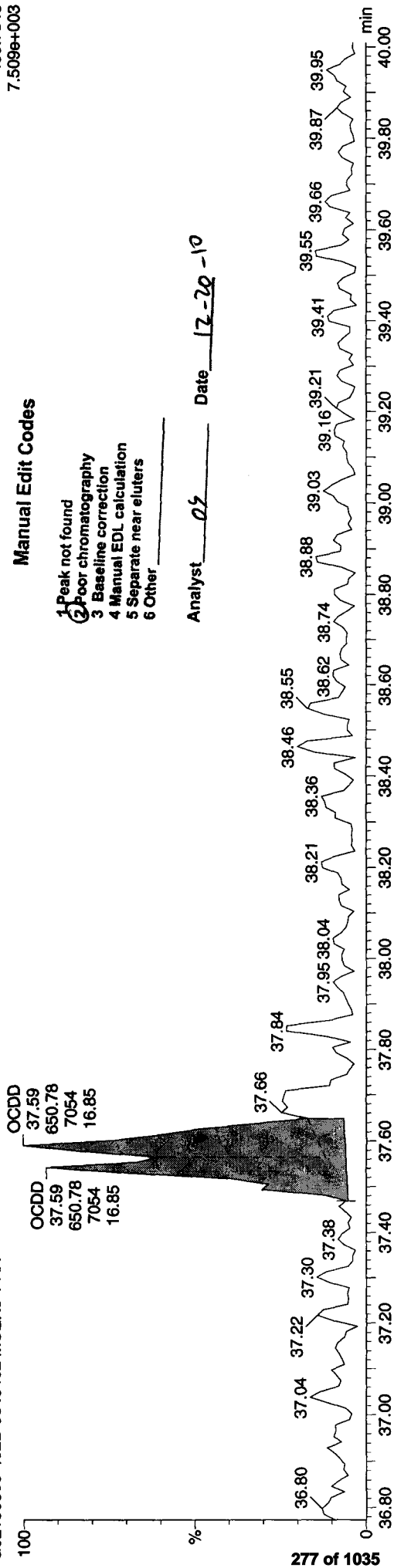
17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

F5: Voltage SIR, EI+
457.7377
9.297e+003



17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

F5: Voltage SIR, EI+
459.7348
7.509e+003



Manual Edit Codes

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

Analyst 02 Date 12-20-10

Quantify Sample Report MassLynx 4.1

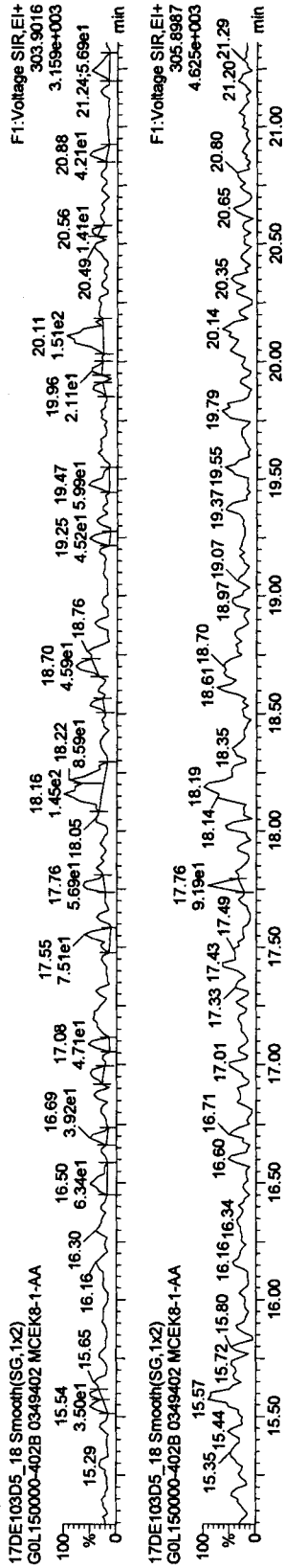
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

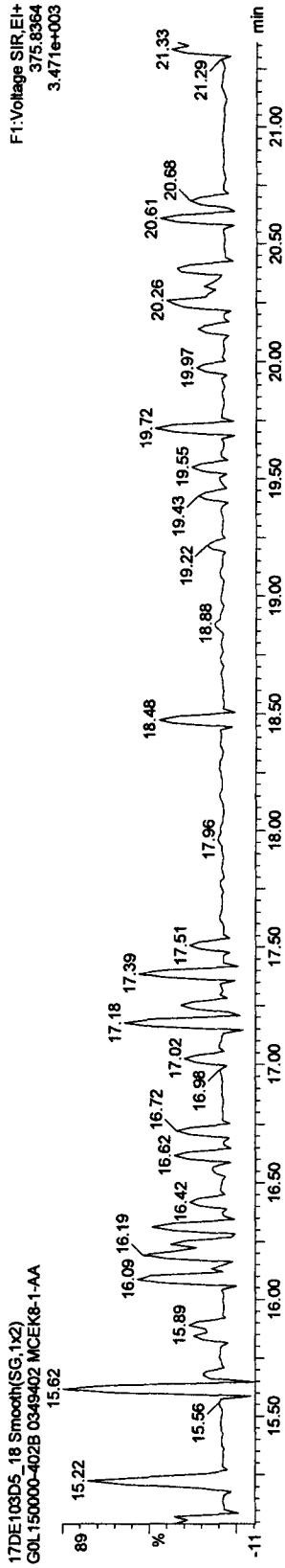
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

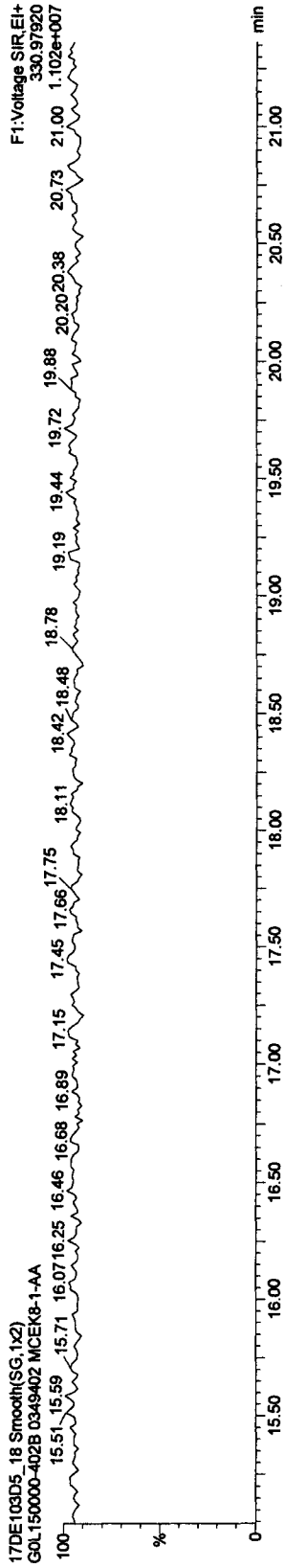
TCDFs



TCDF PCDPE



Function 1 PFK



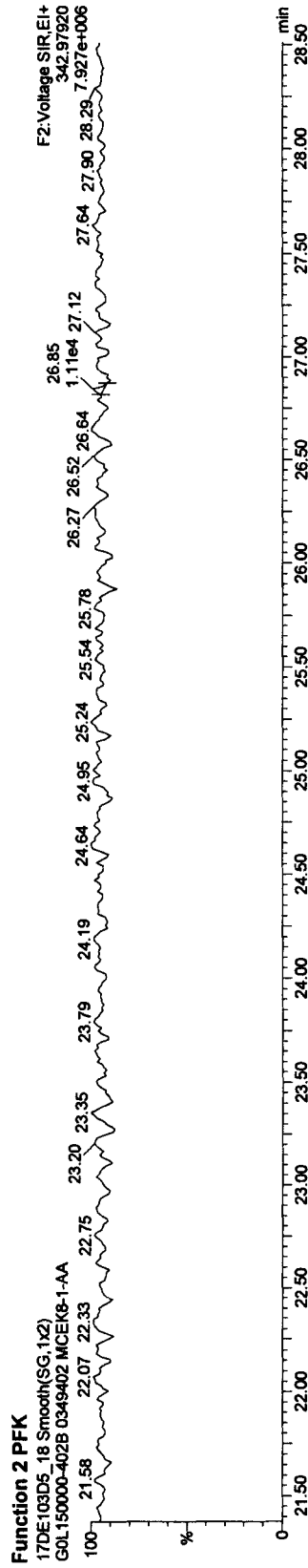
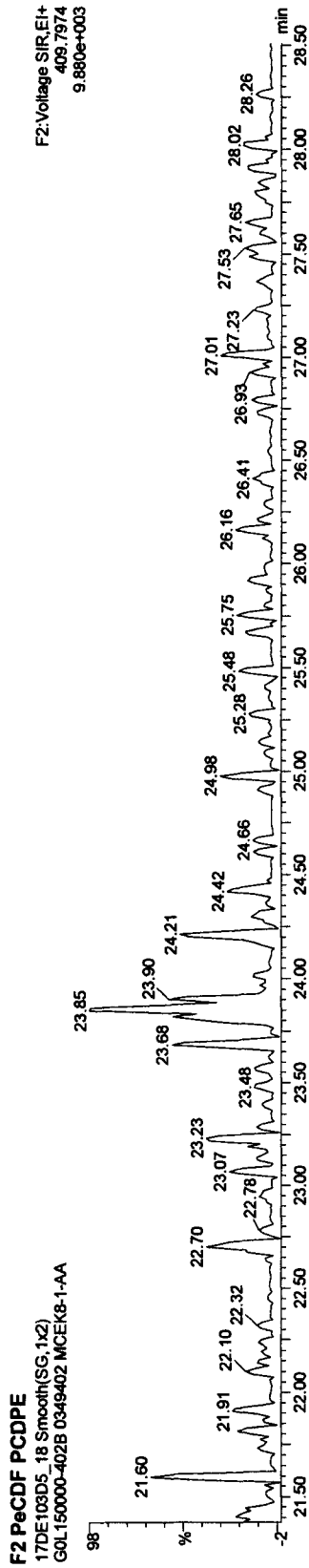
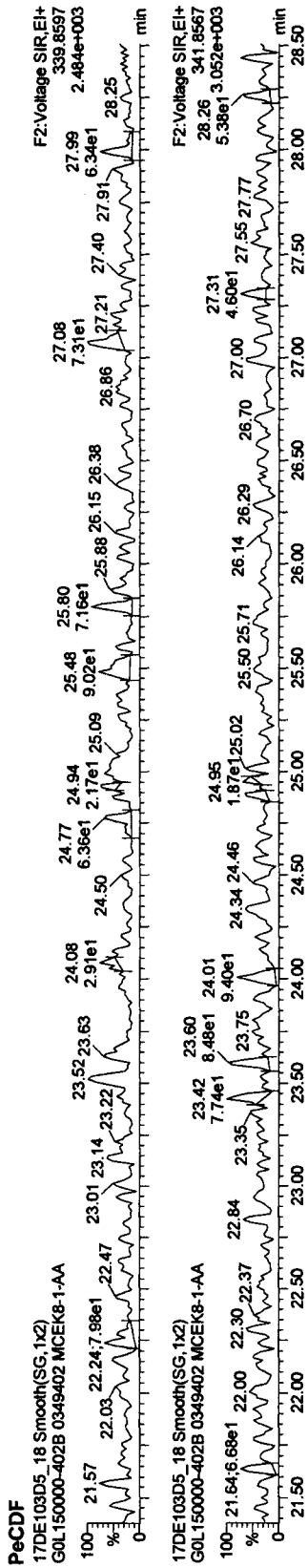
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402



Quantify Sample Report MassLynx 4.1

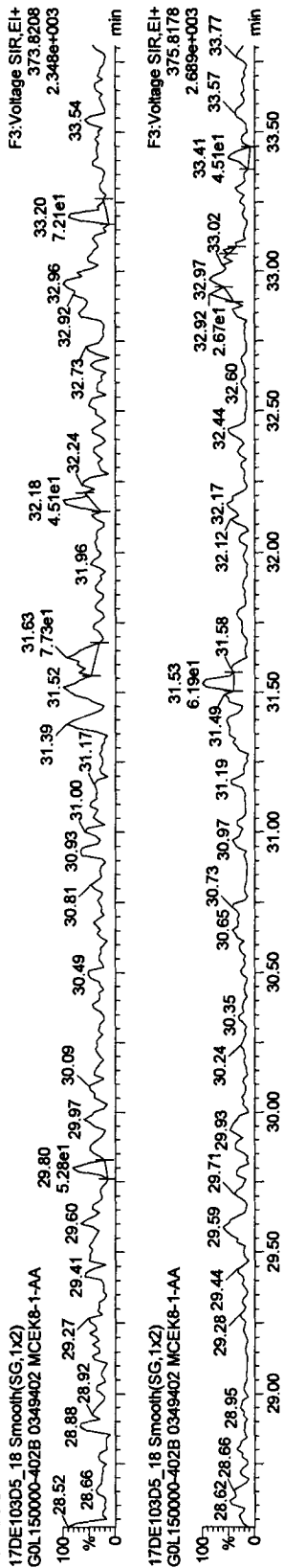
Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

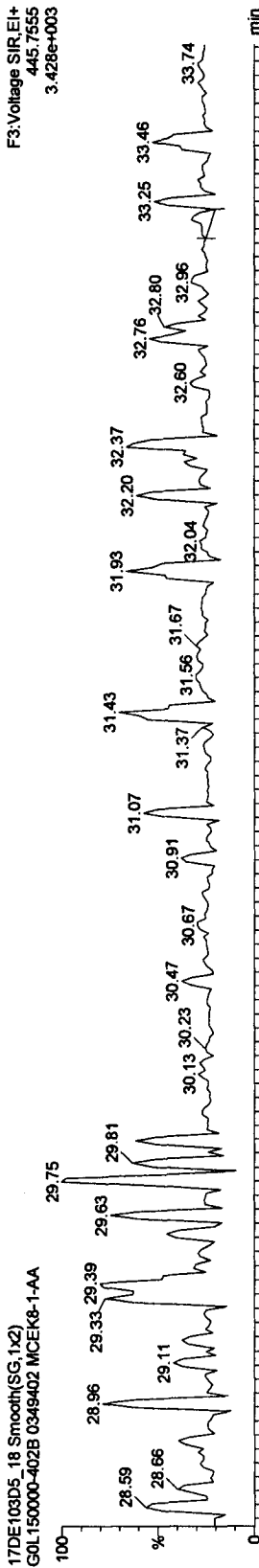
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

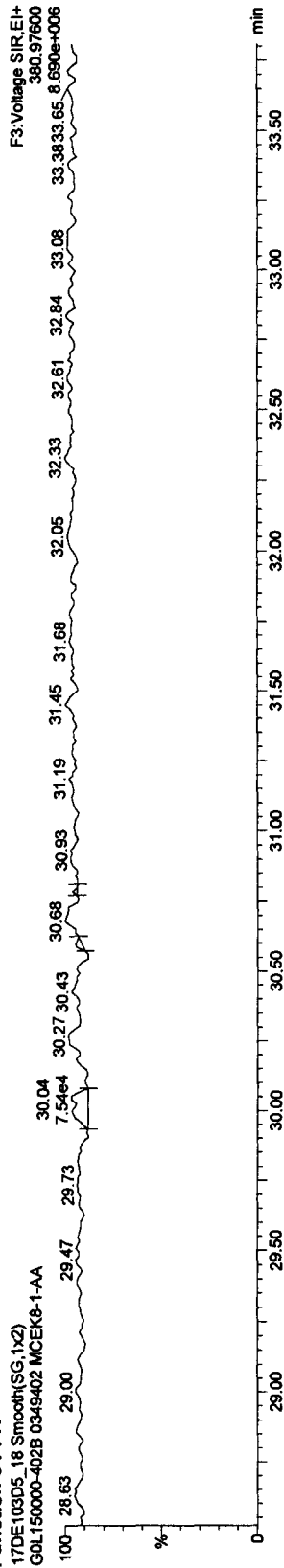
HxCDFs



HxCDF PCDFE



Function 3 PFK



Quantify Sample Report MassLynx 4.1

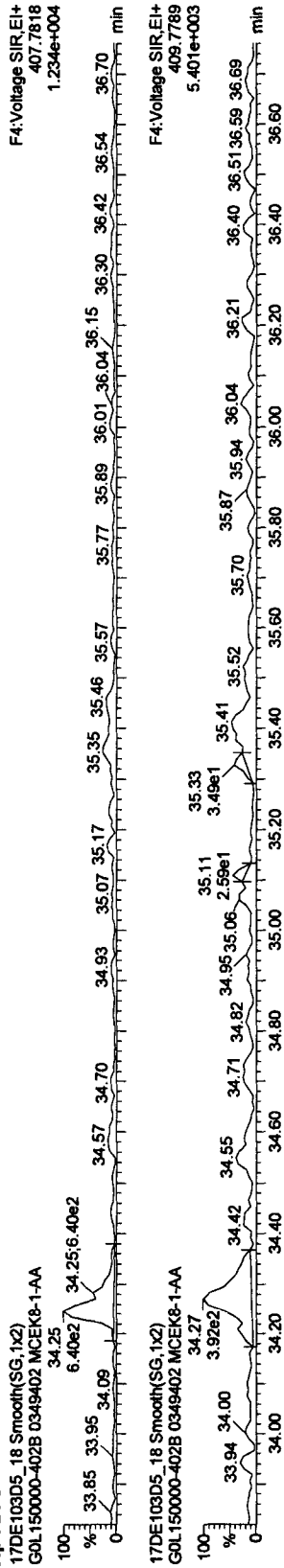
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

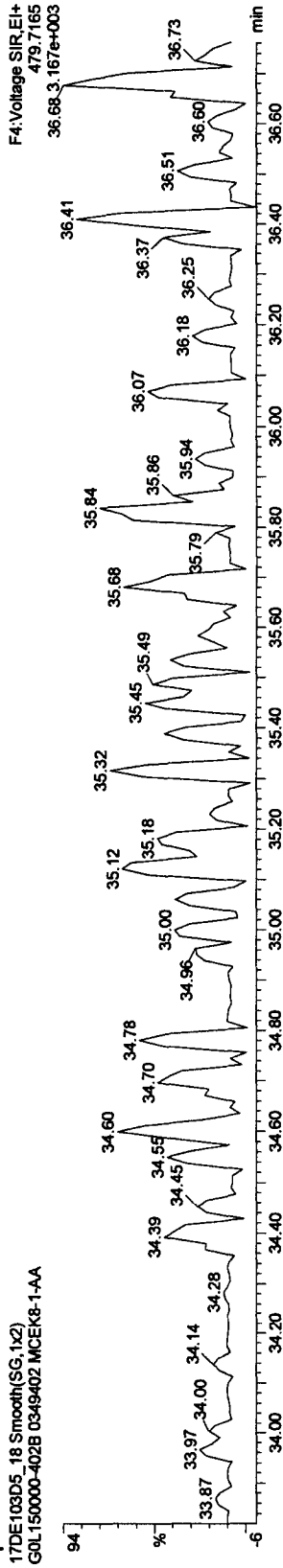
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

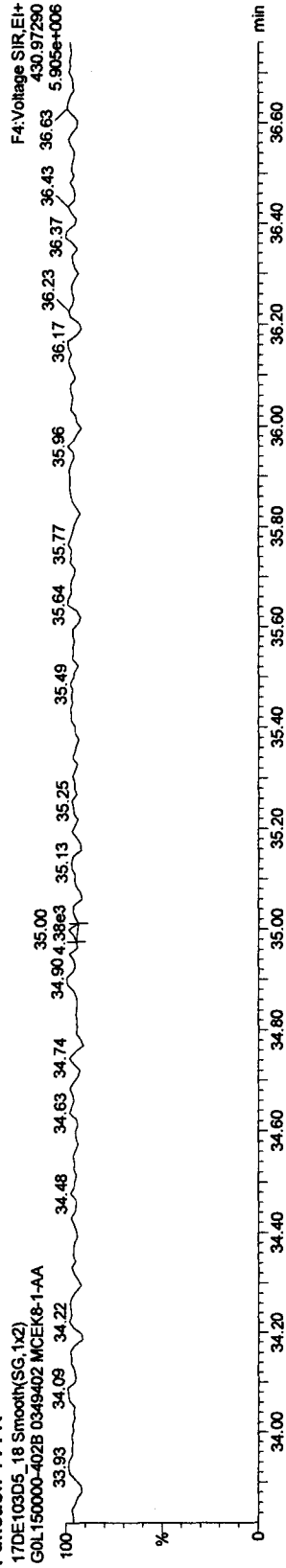
HpCDFs



HpCDF PCDPE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

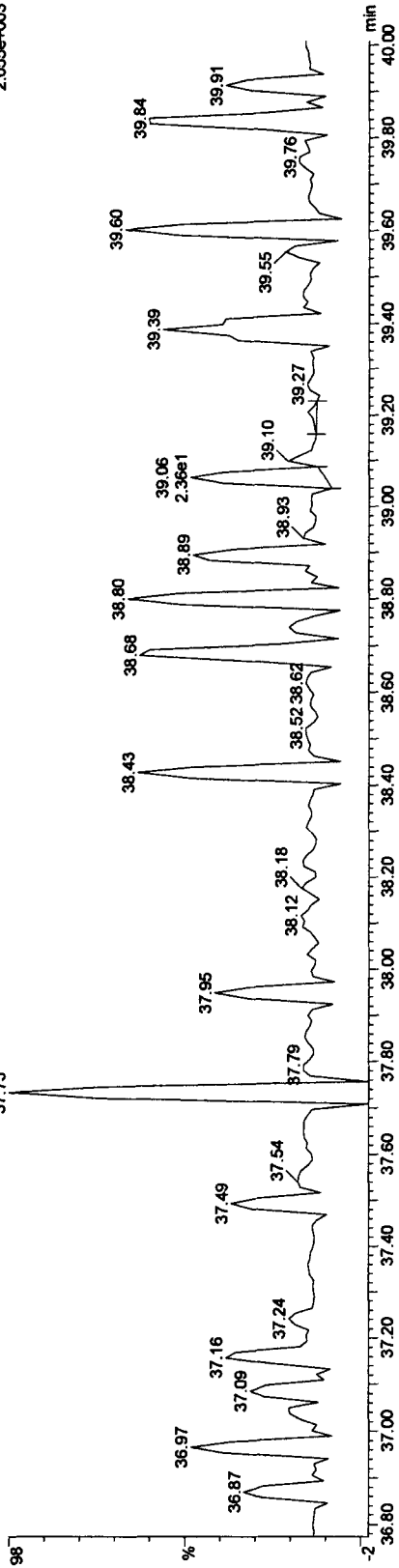
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

OCDF PCDPE

17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

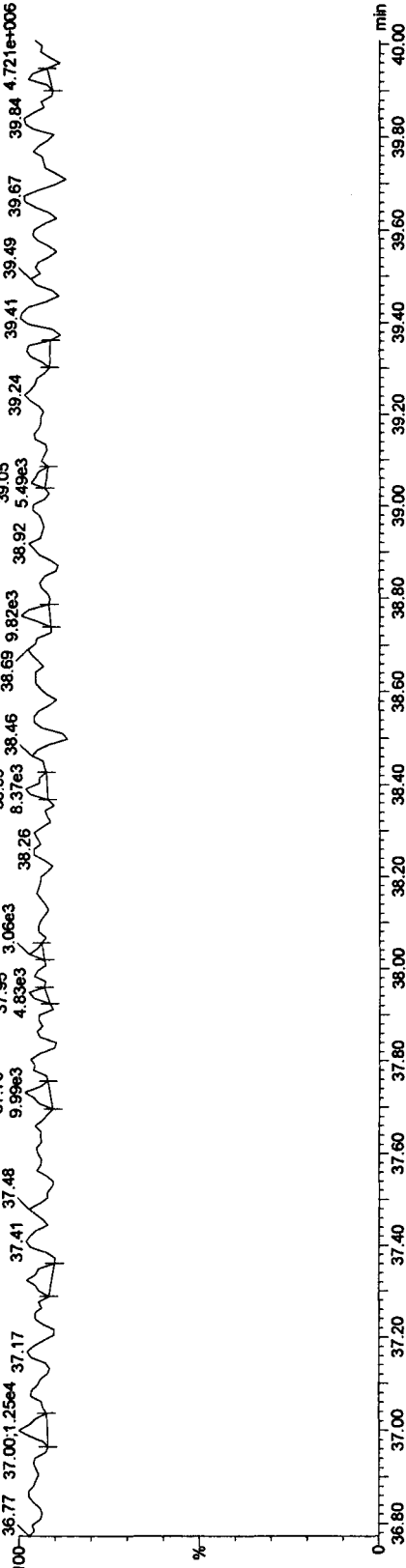
F5:Voltage SIR.EI+
513.67750
2.055e+003



Function 5 PFK

17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

F5:Voltage SIR.EI+
442.97280
4.721e+006



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:23:47 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:27:08 Pacific Standard Time

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12/21/10

Method: C:\MassLynx\JAN2010.PRO\MethDB\IT093D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: G0L150000-402C 0349402, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-1,2,3,4-TCDD	331.9368	0.500	18.70	18.72	1.000	3723399.88	4000.0000	4000.0000	100.0	2.1233	0.779	0.770	NO	
2 13C-2,3,7,8-TCDF	315.9419	0.500	18.16	18.17	1.330	4128923.63	3335.2381	3335.2381	83.4	1.4103	0.790	0.770	NO	
3 2,3,7,8-TCDF	303.9016	0.500	18.17	18.17	0.972	404527.88	403.3901	403.3901		0.5851	0.748	0.770	NO	
4 Total TCDFs	303.9016	0.500		21.44	0.972		403.3901	403.3901		0.5851				
5 13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.890	2700290.38	3259.6963	3259.6963	81.5	2.3859	0.775	0.770	NO	
6 2,3,7,8-TCDD	319.8965	0.500	18.93	18.93	1.009	302683.81	444.4756	444.4756		0.6930	0.794	0.770	NO	
7 Total TCDDs	319.8965	0.500		19.55	1.009		444.4756	444.4756		0.6930				
8 37CL-2,3,7,8-TCDD	327.8847	0.500	18.93	18.90	0.649	2480.65	5.6585	0.0000	0.4	0.9724				
9 13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.54	0.971	3201519.38	3543.1583	3543.1583	88.6	3.0549	1.577	1.550	NO	
10 1,2,3,7,8-PeCDF	339.8597	0.500	23.53	23.53	1.069	1771177.31	2069.8616	2069.8616		2.8016	1.579	1.550	NO	
11 2,3,4,7,8-PeCDF	339.8597	0.500	24.95	24.95	1.028	1674521.19	2034.3290	2034.3290		2.9124	1.590	1.550	NO	
12 Total F2 PeCDFs	339.8597	0.500		34.47	1.049		4104.1907	4104.1907		2.8559				
13 Total F1 PeCDFs	339.8597	0.500		36.56	1.049					0.2959				
14														
15 13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.75	0.715	2393849.38	3595.6184	3595.6184	89.9	2.7327	1.526	1.550	NO	
16 1,2,3,7,8-PeCDD	355.8546	0.500	25.73	25.73	0.884	1118495.13	2114.0029	2114.0029		2.0292	1.550	1.550	NO	
17 Total PeCDDs	355.8546	0.500		31.10	0.884		2114.0029	2114.0029		2.0292				
18														
19 13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.000	2387337.19	4000.0000	4000.0000	100.0	4.2233	1.283	1.240	NO	
20														
21 13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.084	2222763.69	3434.4149	3434.4149	85.9	4.5727	0.514	0.510	NO	
22 1,2,3,4,7,8-HxCDF	373.8208	0.500	31.36	31.37	1.219	1340514.81	1979.7438	1979.7438		2.7764	1.268	1.240	NO	
23 1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.50	1.396	1588095.81	2046.8024	2046.8024		2.4230	1.167	1.240	NO	
24 2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.14	1.237	1435089.81	2086.9101	2086.9101		2.7339	1.263	1.240	NO	
25 1,2,3,7,8,9-HxCDF	373.8208	0.500	32.86	32.85	1.078	1296503.88	2163.8797	2163.8797		3.1377	1.289	1.240	NO	
26 Total HxCDFs	373.8208	0.500		0.00	1.233		8277.3360	8277.3360		2.7447				
27														
28														
29														
30														

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:23:47 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:27:08 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: G0L150000-402C 0349402, Task:

Trace	Sample Size	RT	Pd RT	RRF M	Abs Resp	Conc	EMPC	% Rec	EDL	Ratio	Pd Ratio	Ratio	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.38	32.38	0.894	2210422.38	4140.4652	103.5	4.7215	1.288	1.240	NO
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.30	32.32	1.028	911660.50	1605.3187		1.4957	1.211	1.240	NO
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.40	32.40	1.111	1279256.13	2084.5639		1.3841	1.253	1.240	NO
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.69	32.69	1.113	1148551.41	1867.8128		1.3813	1.278	1.240	NO
36	Total HxCDDs	389.8157	0.500	0.00	0.00	1.084	5557.6955			1.4184			
37	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.22	34.20	0.881	1936698.56	3684.0564	92.1	8.3705	0.456	0.440	NO
38	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.23	34.23	1.402	1404140.81	2069.0129		3.0853	1.016	1.040	NO
39	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.34	1.199	1240589.44	2136.8040		3.6065	0.994	1.040	NO
40	Total HpCDFs	407.7818	0.500	0.00	0.00	1.300	4205.8169			3.3256			
41	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.04	35.01	0.857	1882333.19	3678.3886	92.0	8.1451	1.065	1.040	NO
42	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.05	35.05	0.981	986116.78	2135.9233		3.7511	1.044	1.040	NO
43	Total HpCDDs	423.7766	0.500	-0.04	-0.04	0.981	2175.1618			3.7511			
44	13C-OCDD	469.7779	0.500	37.50	37.44	0.643	3017903.50	7861.9157	98.3	10.7855	0.903	0.890	NO
45	OCDF	441.7428	0.500	37.61	37.61	1.477	2307551.88	4141.3092		4.1197	0.942	0.890	NO
46	OCDD	457.7377	0.500	37.52	37.52	1.196	1899423.56	4209.2237		6.8609	0.911	0.890	NO
49	Function 1 PFK	330.97920	1.000										
50	Function 2 PFK	342.97920	1.000										
51	Function 3 PFK	380.97600	1.000										
52	Function 4 PFK	430.97290	1.000										
53	Function 5 PFK	442.97280	1.000										
54	TCDF PCDDPE	375.8364	1.000										
55	F1 PeCDF PCDDPE	409.79740	1.000										
56	F2 PeCDF PCDDPE	409.7974	1.000										
57	HxCDF PCDDPE	445.7555	1.000										
58	HPCDF PCDDPE	479.7165	1.000										
59	OCDF PCDDPE	513.67750	1.000										
60													
61													
62													

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:13:45 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
 Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11
 Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402, Task:

#	Name	Trace	Sample Size	RT	Pid	RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.70	18.72	1.000		3723399.88	4000.0000	4000.0000	100.0	2.1233	0.779	0.770		NO	
2	13C-2,3,7,8-TCDF	315.9419	0.500	18.16	18.17	1.330		4128923.63	3335.2381	3335.2381	83.4	1.4103	0.790	0.770		NO	
3	2,3,7,8-TCDF	303.9016	0.500	18.17	18.17	0.972		404527.88	403.3901	403.3901		0.5851	0.748	0.770		NO	
4	Total TCDFs	303.9016	0.500	21.44	0.972				403.3901	403.3901		0.5851					
5	13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.890		2700290.38	3259.6963	3259.6963	81.5	2.3859	0.775	0.770		NO	
6	2,3,7,8-TCDD	319.8965	0.500	18.93	18.93	1.009		302683.81	444.4756	444.4756		0.6930	0.794	0.770		NO	
7	Total TCDDs	319.8965	0.500	19.55	1.009				444.4756	444.4756		0.6930					
8	37CL-2,3,7,8-TCDD	327.8847	0.500	18.93	18.90	0.649		2480.65	5.6585	0.0000	0.4	0.9724					
9	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.54	0.971		3201519.38	3543.1583	3543.1583	88.6	3.0549	1.577	1.550		NO	
10	1,2,3,7,8-PeCDF	339.8597	0.500	23.53	23.53	1.069		1771177.31	2069.8616	2069.8616		2.8016	1.579	1.550		NO	
11	2,3,4,7,8-PeCDF	339.8597	0.500	24.95	24.95	1.028		1674521.19	2034.3290	2034.3290		2.9124	1.590	1.550		NO	
12	Total F2 PeCDFs	339.8597	0.500	34.47	1.049				4104.1907	4104.1907		2.8559					
13	Total F1 PeCDFs	339.8597	0.500	36.56	1.049							0.2959					
14	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.75	0.715		2393849.38	3595.6184	3595.6184	89.9	2.7327	1.526	1.550		NO	
15	1,2,3,7,8-PeCDD	355.8546	0.500	25.73	25.73	0.884		1118495.13	2114.0029	2114.0029		2.0292	1.550	1.550		NO	
16	Total PeCDDs	355.8546	0.500	31.10	0.884				2114.0029	2114.0029		2.0292					
17	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.000		2387337.19	4000.0000	4000.0000	100.0	4.2233	1.283	1.240		NO	
18	1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.084		2222763.69	3434.4149	3434.4149	85.9	4.5727	0.514	0.510		NO	
19	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.36	31.37	1.219		1340514.81	1979.7438	1979.7438		2.7764	1.268	1.240		NO	
20	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.50	1.396		1588095.81	2046.8024	2046.8024		2.4230	1.167	1.240		NO	
21	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.14	1.237		1435089.81	2086.9101	2086.9101		2.7339	1.263	1.240		NO	
22	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.86	32.85	1.078		1296503.88	2163.8797	2163.8797		3.1377	1.289	1.240		NO	
23	Total HxCDFs	373.8208	0.500	0.00	1.233				8277.3360	8277.3360		2.7447					

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:13:45 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402, Task:

Trace #	Name	Sample Size	RT	Prd RT	RRF M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	0.500	32.38	32.38	0.894	2111347.25	3954.8820	3637.3340	98.9	4.7215	1.436	1.240	1.240	YES
33	1,2,3,4,7,8-HxCDD	0.500	32.30	32.32	1.028	911660.50	1680.6484	1680.6484		1.5859	1.211	1.240	1.240	NO
34	1,2,3,6,7,8-HxCDD	0.500	32.40	32.40	1.111	1279256.13	2182.3823	2182.3823		1.4491	1.253	1.240	1.240	NO
35	1,2,3,7,8,9-HxCDD	0.500	32.69	32.69	1.113	1148551.41	1955.4601	1955.4601		1.4462	1.278	1.240	1.240	NO
36	Total HxCDDs	0.500	0.00	0.00	1.084	5818.4907	5818.4907			1.4850				
37	13C-1,2,3,4,6,7,8-HpCDF	0.500	34.22	34.20	0.881	1936698.56	3684.0564	3684.0564	92.1	8.3705	0.456	0.440	0.440	NO
38	1,2,3,4,6,7,8-HpCDF	0.500	34.23	34.23	1.402	1404140.81	2069.0129	2069.0129		3.0853	1.016	1.040	1.040	NO
39	1,2,3,4,7,8,9-HpCDF	0.500	35.36	35.34	1.199	1240589.44	2136.8040	2136.8040		3.6065	0.994	1.040	1.040	NO
40	Total HpCDFs	0.500	0.00	0.00	1.300	4205.8169	4205.8169			3.3256				
41	13C-1,2,3,4,6,7,8-HpCDD	0.500	35.04	35.01	0.857	1882333.19	3678.3886	3678.3886	92.0	8.1451	1.065	1.040	1.040	NO
42	1,2,3,4,6,7,8-HpCDD	0.500	35.05	35.05	0.981	986116.78	2135.9233	2135.9233		3.7511	1.044	1.040	1.040	NO
43	Total HpCDDs	0.500	-0.04	-0.04	0.981	2175.1618	2175.1618			3.7511				
44	13C-OCDD	0.500	37.50	37.44	0.643	3017903.50	7861.9157	7861.9157	98.3	10.7855	0.903	0.890	0.890	NO
45	OCDF	0.500	37.61	37.61	1.477	2307551.88	4141.3092	4141.3092		4.1197	0.942	0.890	0.890	NO
46	OCDD	0.500	37.52	37.52	1.196	1899423.56	4209.2237	4209.2237		6.8609	0.911	0.890	0.890	NO
51	Function 1 PFK	1.000												
52	Function 2 PFK	1.000												
53	Function 3 PFK	1.000												
54	Function 4 PFK	1.000												
55	Function 5 PFK	1.000												
56	TCDF PCDDPE	1.000												
57	F1 PeCDF PCDDPE	1.000	20.25		17.814									0.0000
58	F2 PeCDF PCDDPE	1.000	19.31		97.109									0.0000
59	HxCDF PCDDPE	1.000	28.26		51.063	130.64	2.5585		255.8	2.4677				
60	HPCDF PCDDPE	1.000	33.26		21.191	95.07	4.4865		448.7	3.5796				
61	OCDF PCDDPE	1.000	34.27		39.173									0.0000
62	OCDF PCDDPE	1.000	39.16		27.302									0.0000

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

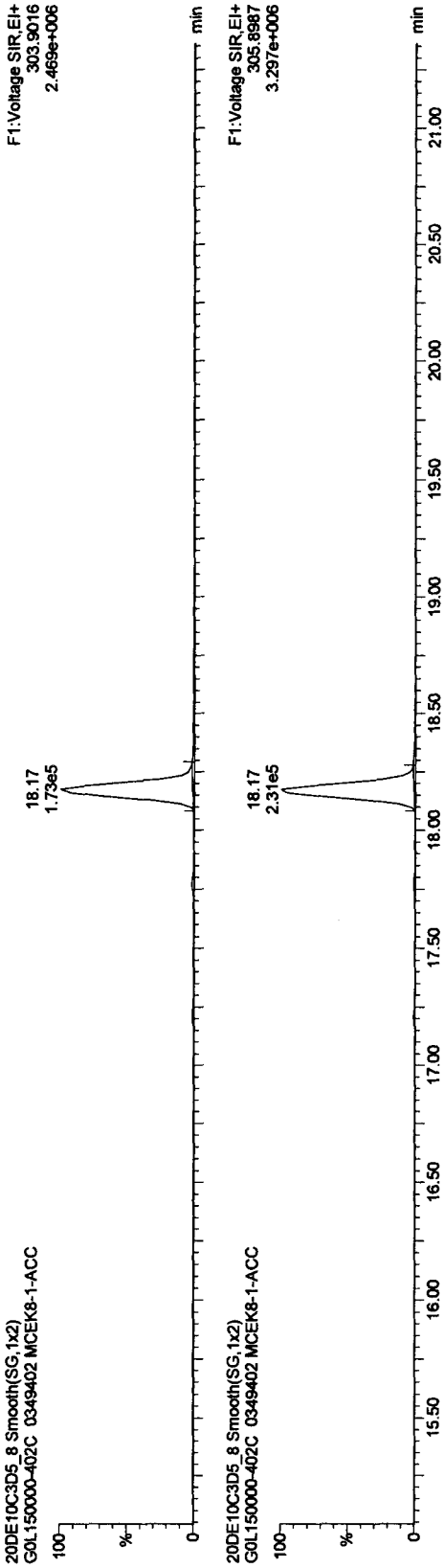
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

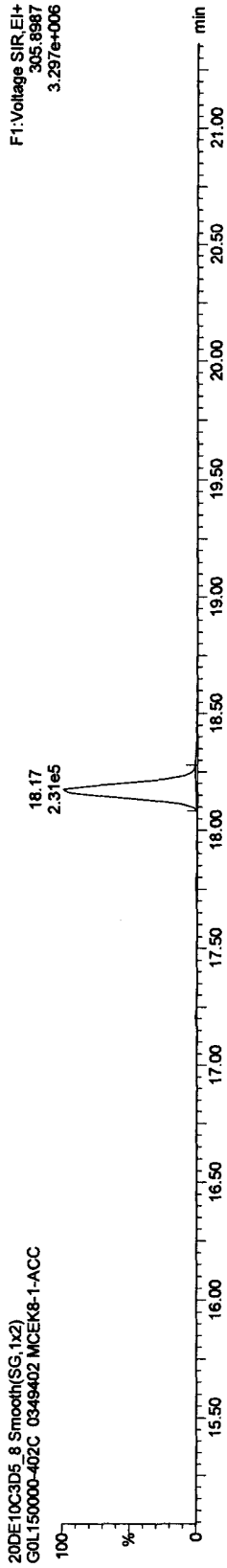
Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

TCDFs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

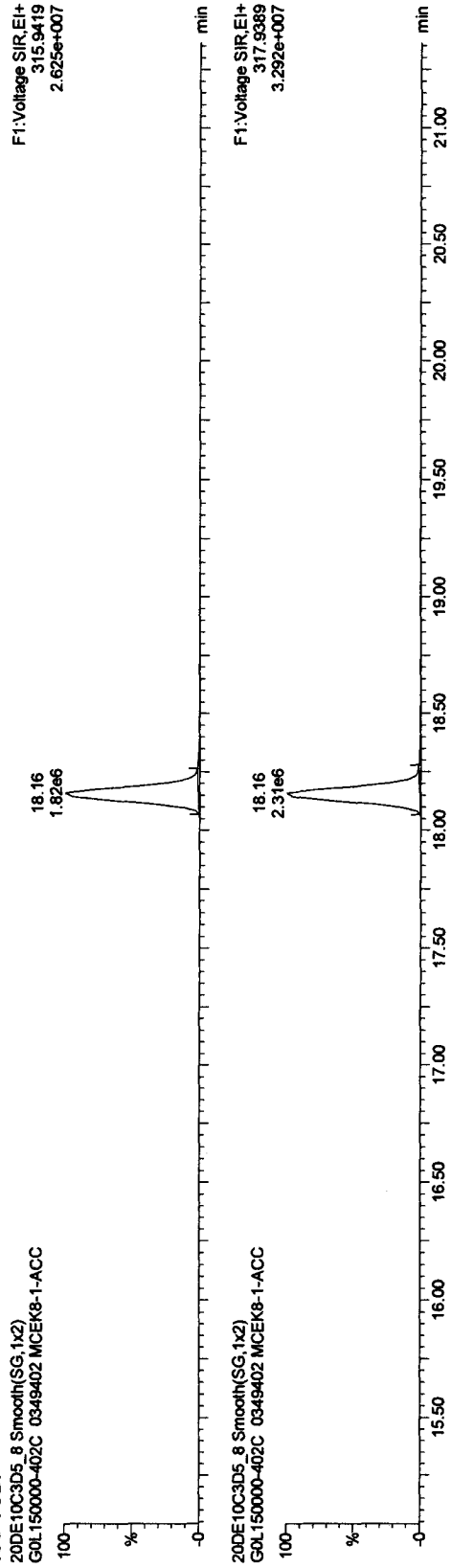


20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

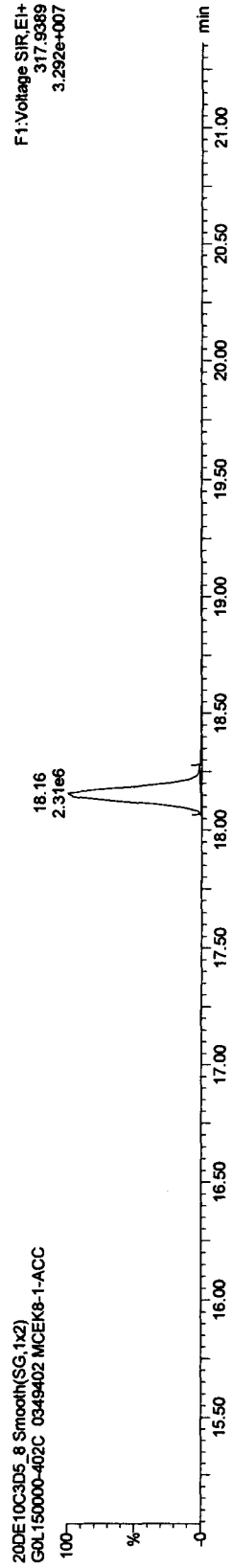


13C-TCDF

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\20DE10C3D5TO9F.qld

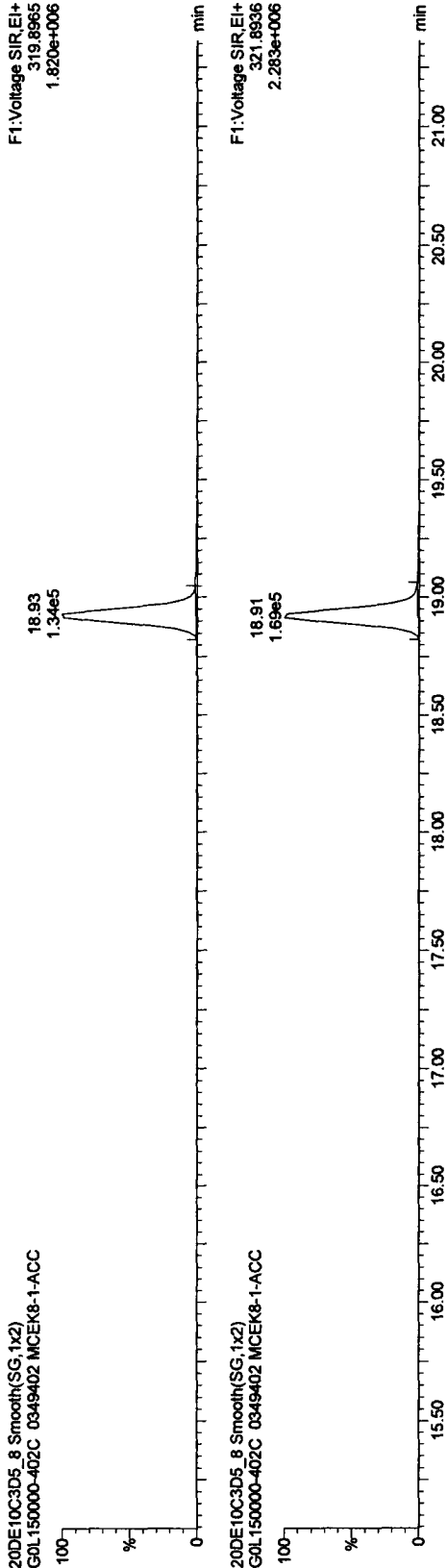
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

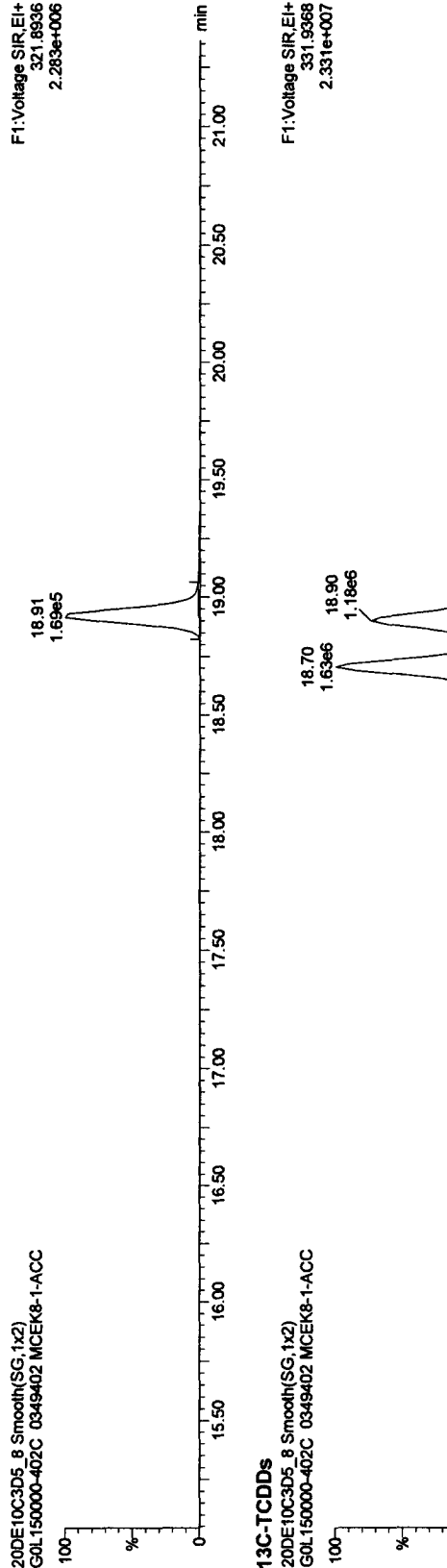
TCDDs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



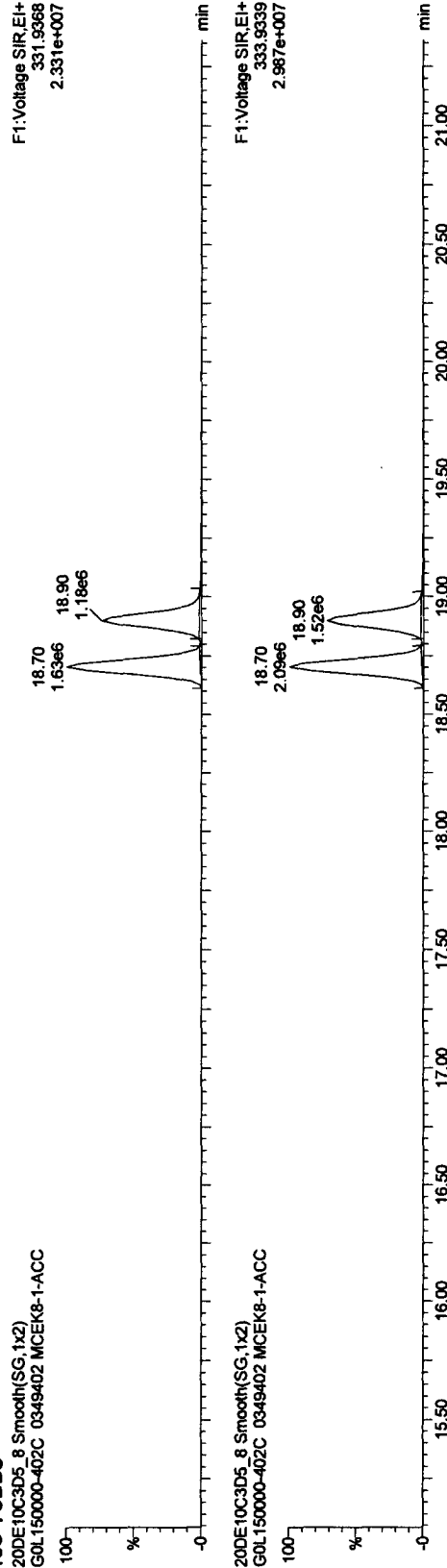
TCDDs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



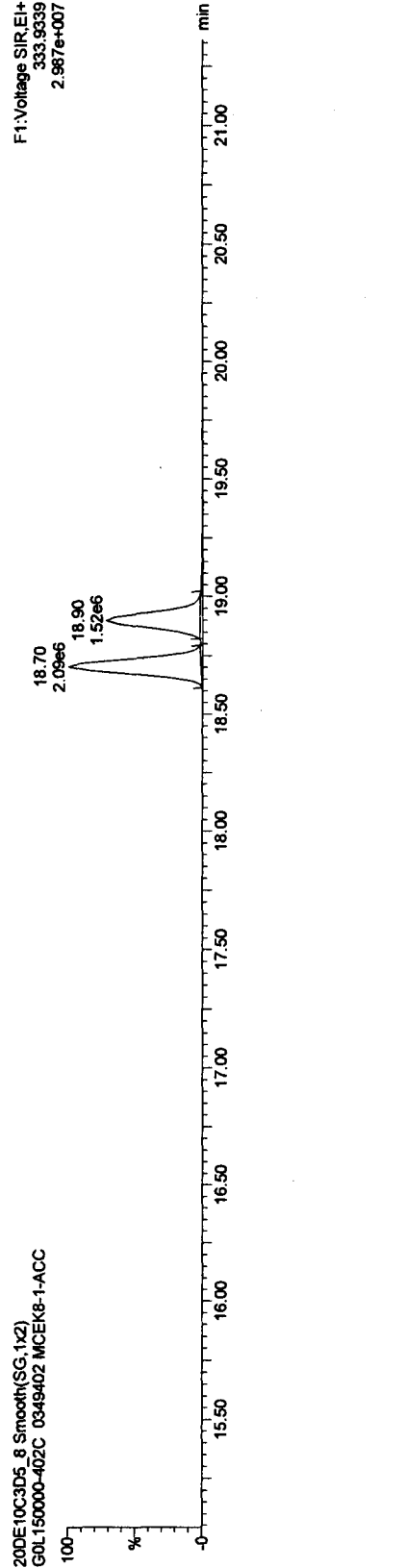
13C-TCDDs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



TCDDs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Quantify Sample Report MassLynx 4.1

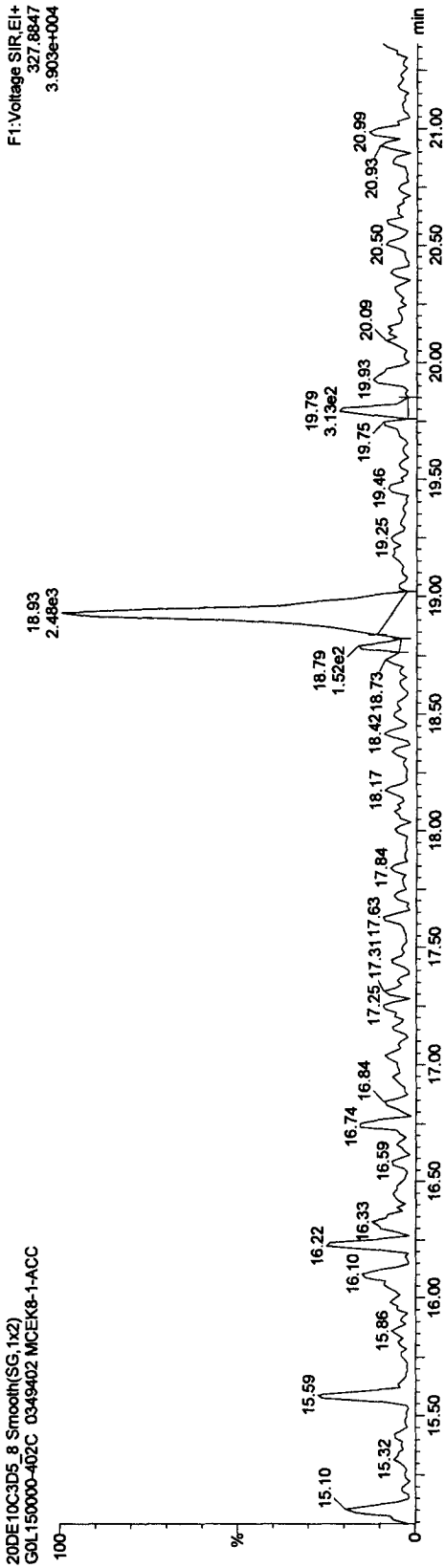
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Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

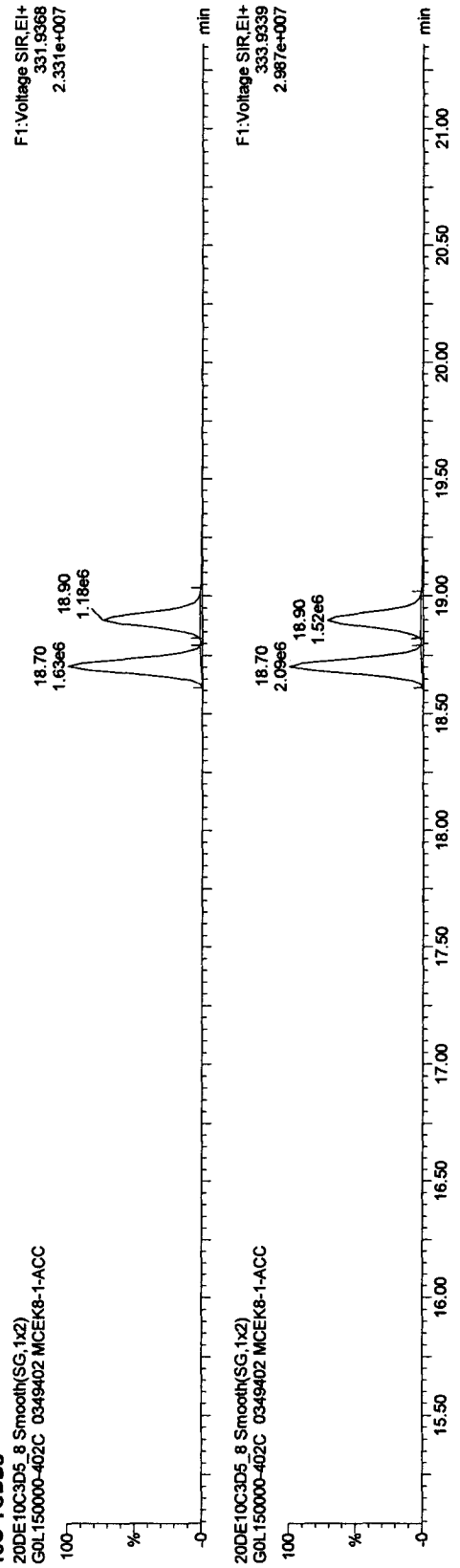
37CL-2,3,7,8-TCDD

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



13C-TCDDs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



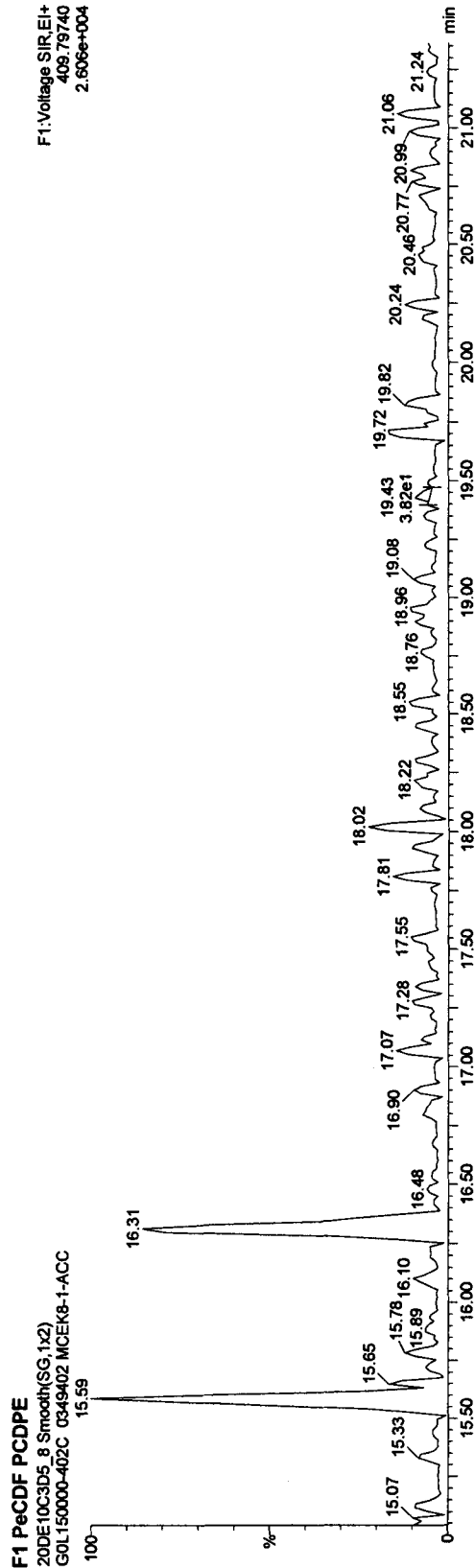
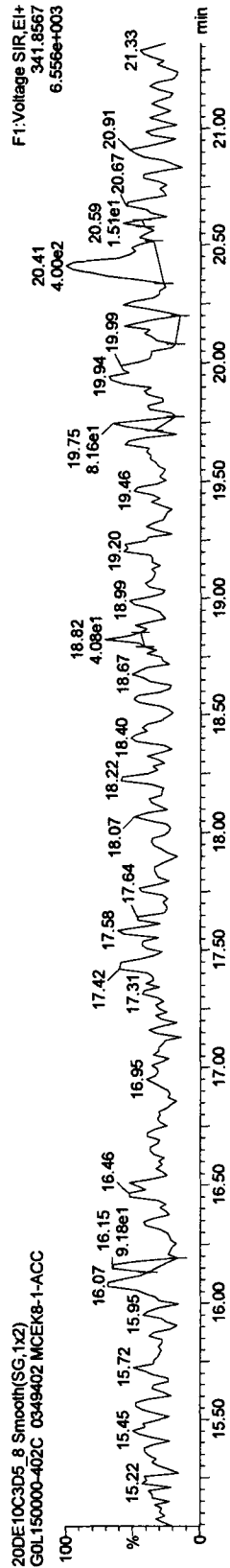
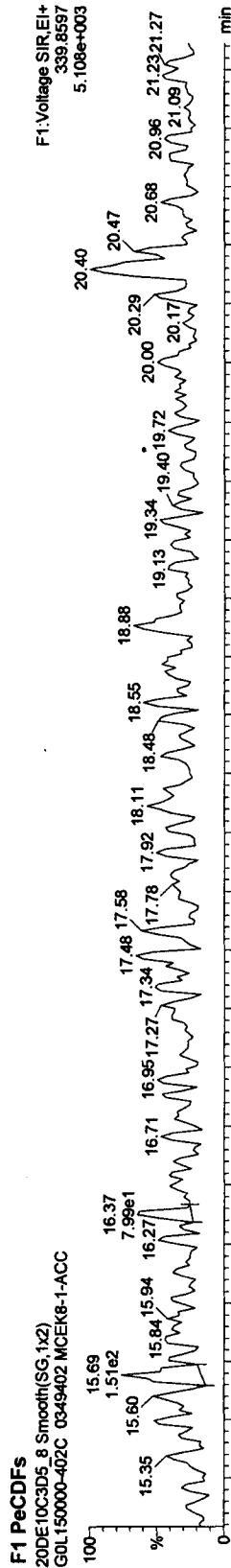
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402



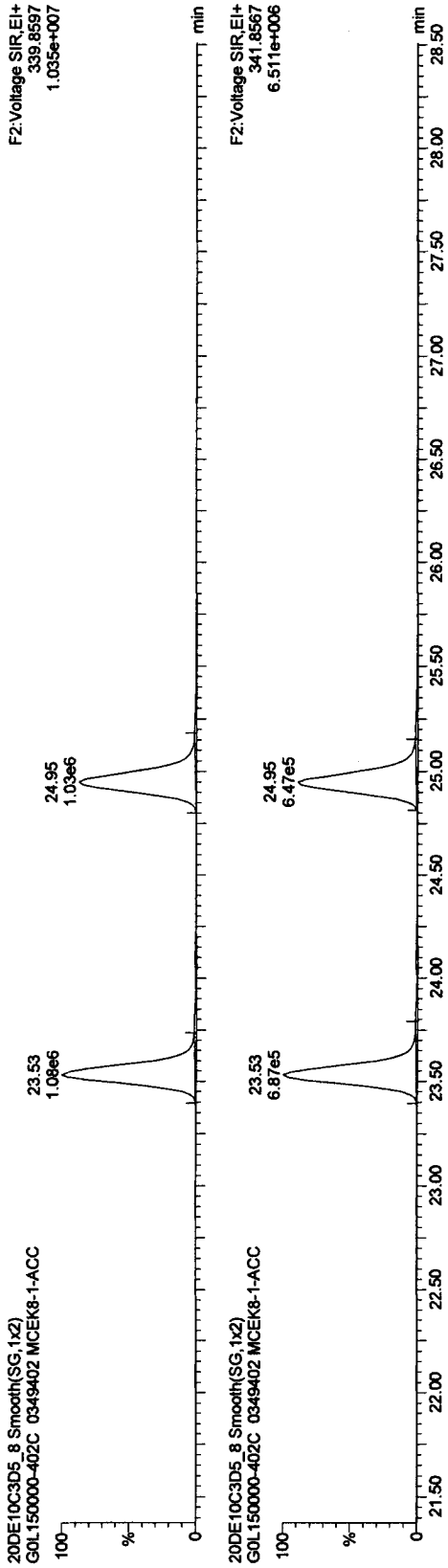
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\20DE10C3D5TO9F.qld

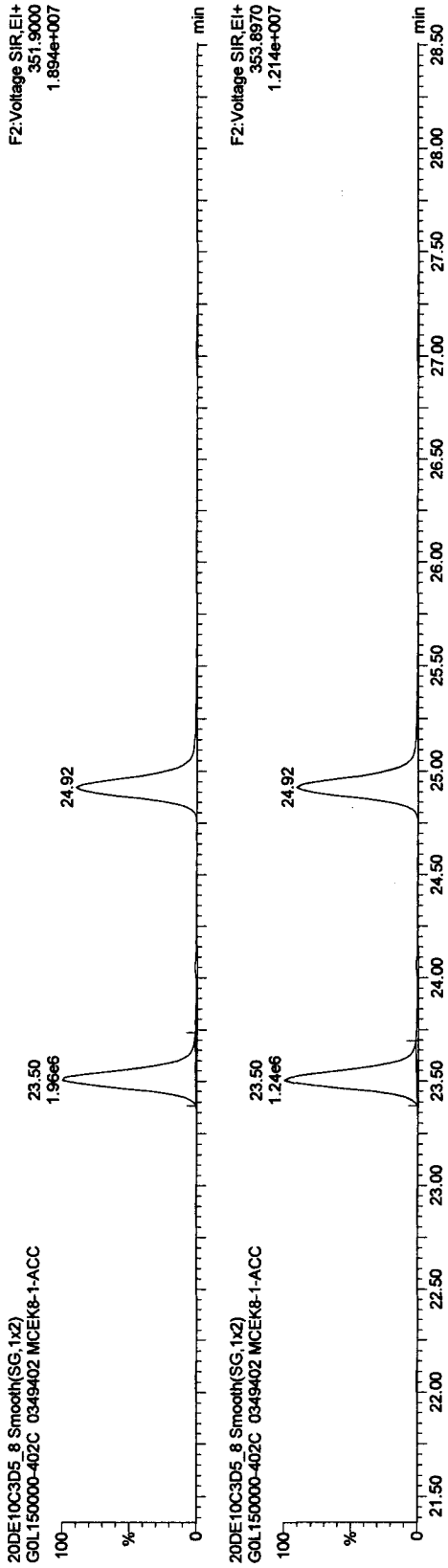
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

PeCDFs



13C-PeCDFs



Quantify Sample Report MassLynx 4.1

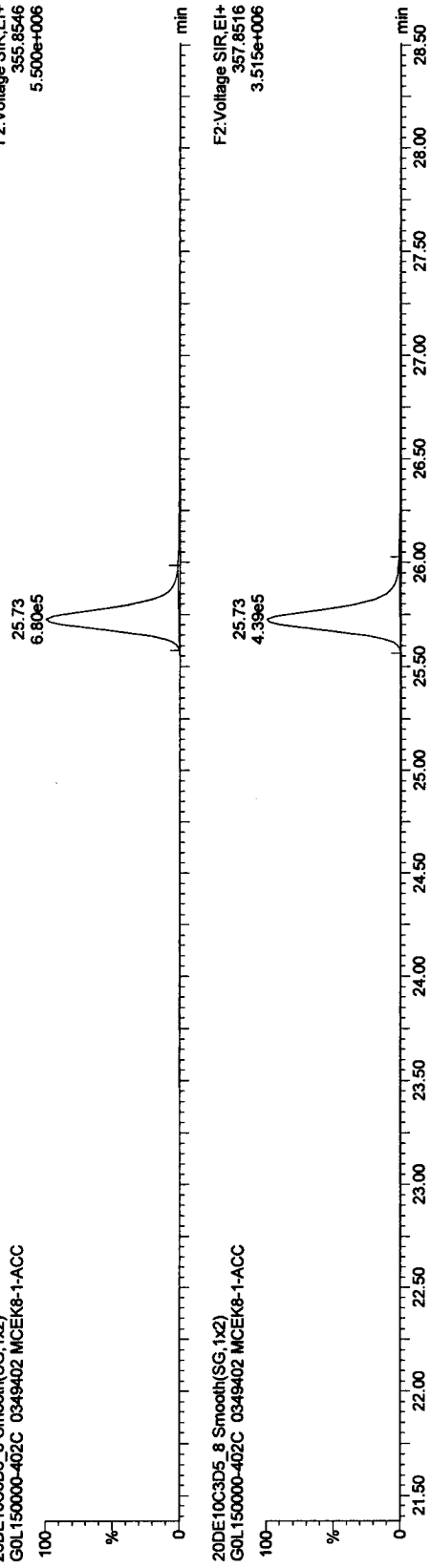
Dataset: C:\MassLynx\JAN2010.PROV\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

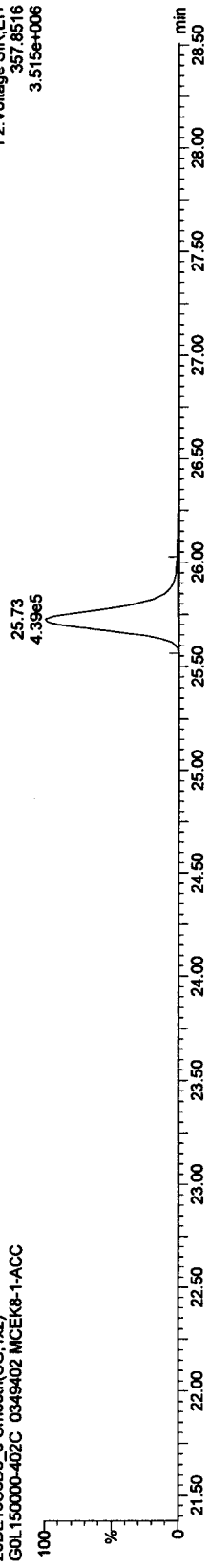
Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

PeCDDs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

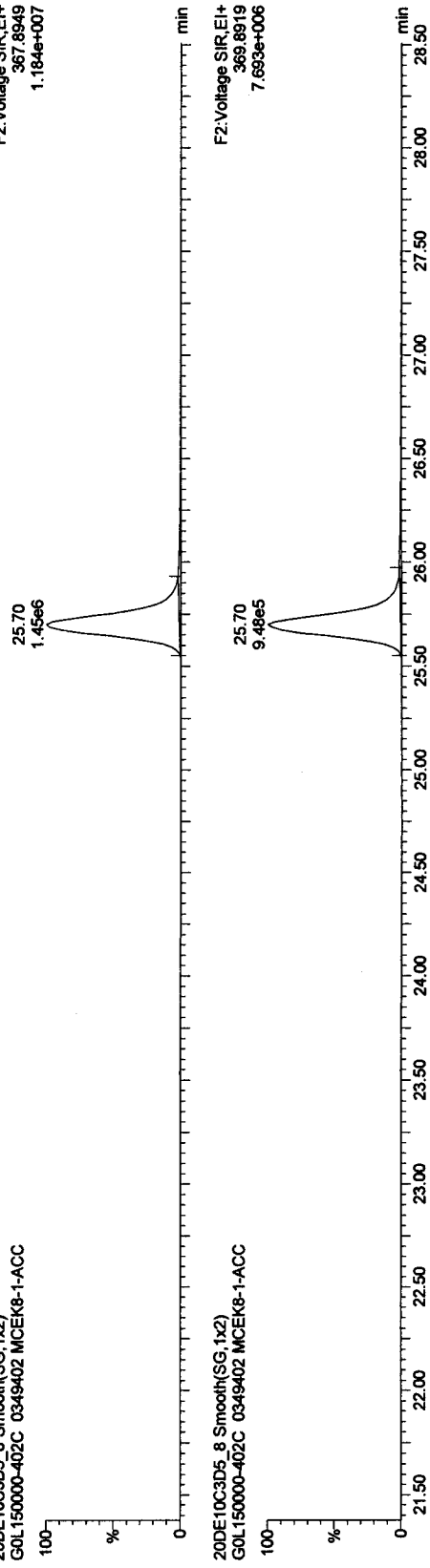


20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

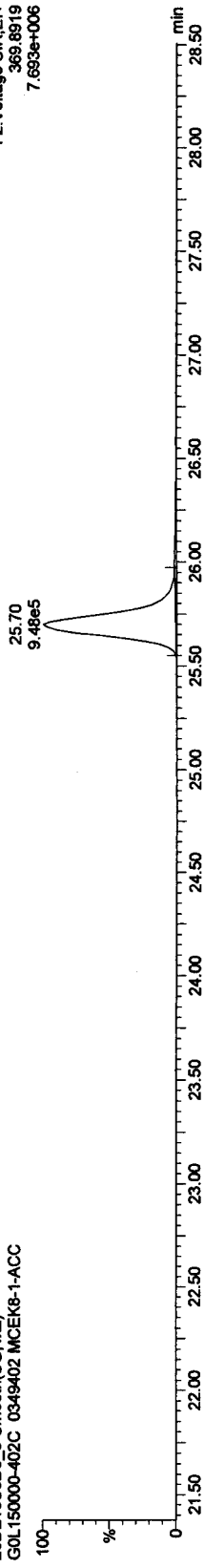


13C-PeCDD

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Quantify Sample Report MassLynx 4.1

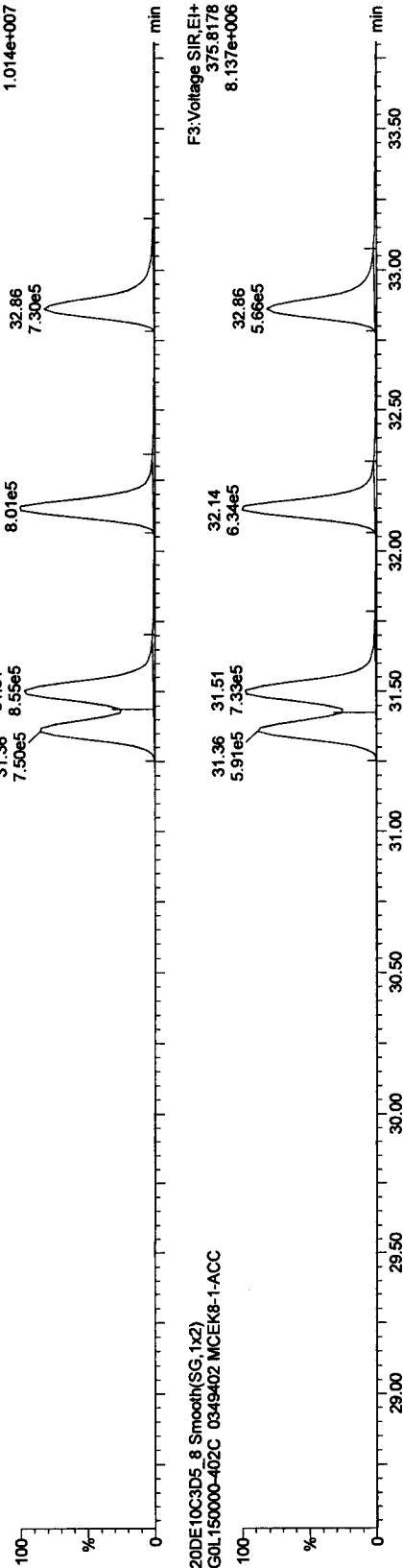
Dataset: C:\MassLynx\JAN2010\PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

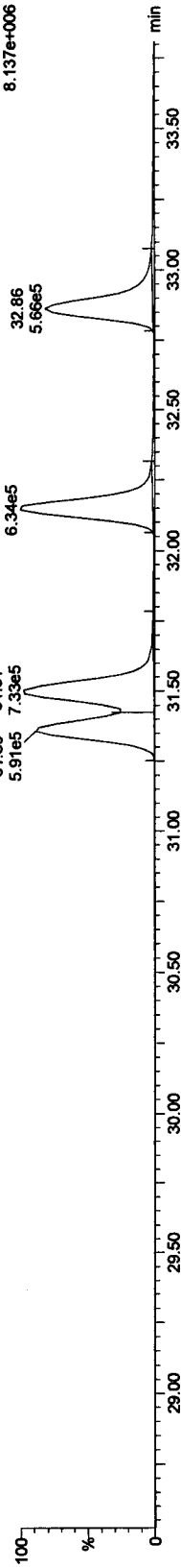
Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: G0L150000-402C 0349402

HxCDFs

20DE10C3D5_8 Smooth(SG,1x2)
G0L150000-402C 0349402 MCEK8-1-ACC

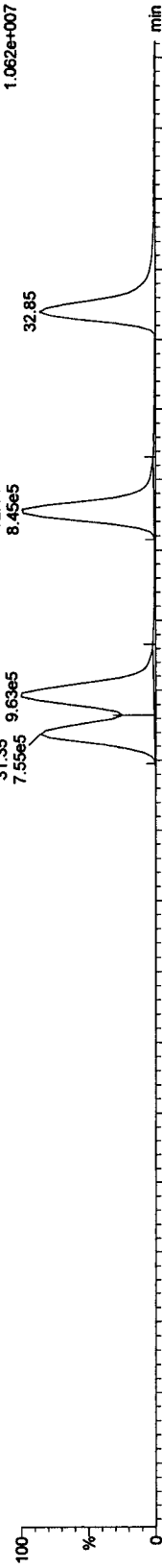


20DE10C3D5_8 Smooth(SG,1x2)
G0L150000-402C 0349402 MCEK8-1-ACC

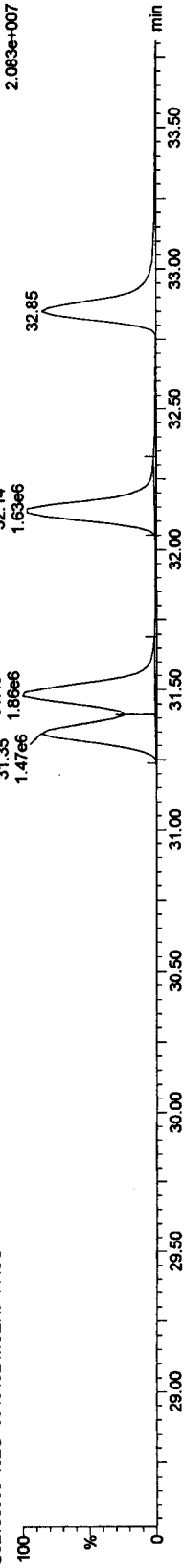


13C-HxCDFs

20DE10C3D5_8 Smooth(SG,1x2)
G0L150000-402C 0349402 MCEK8-1-ACC



20DE10C3D5_8 Smooth(SG,1x2)
G0L150000-402C 0349402 MCEK8-1-ACC

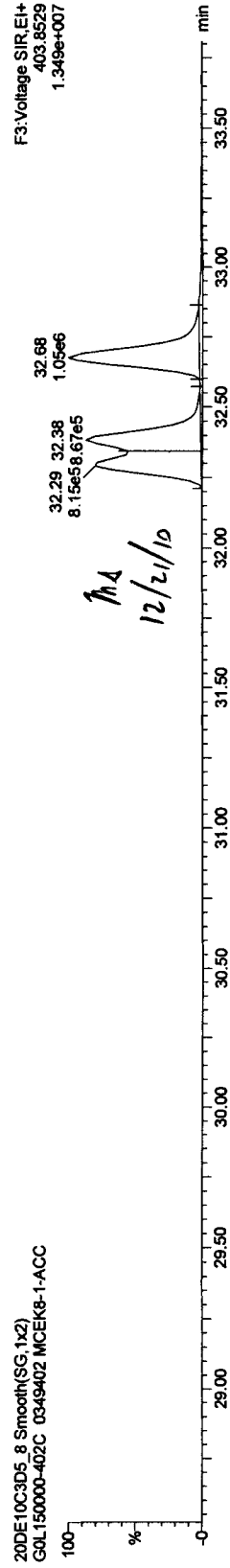
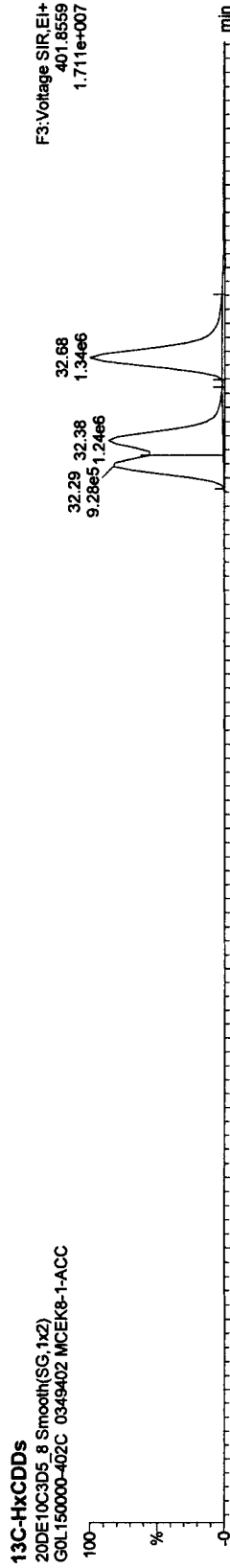
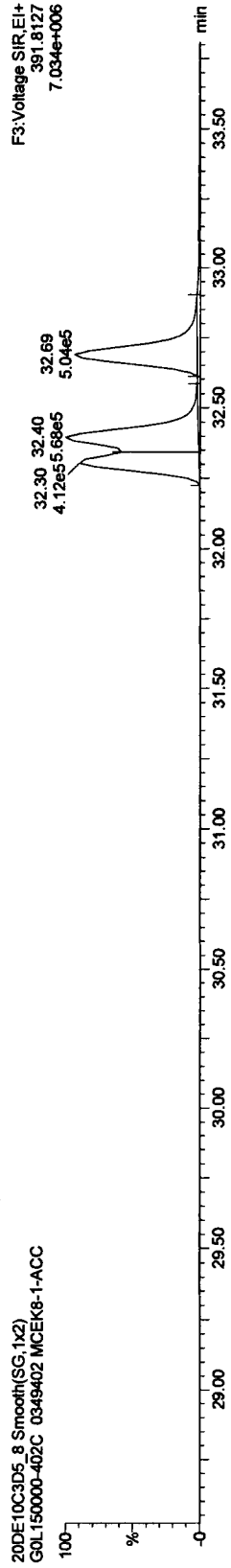
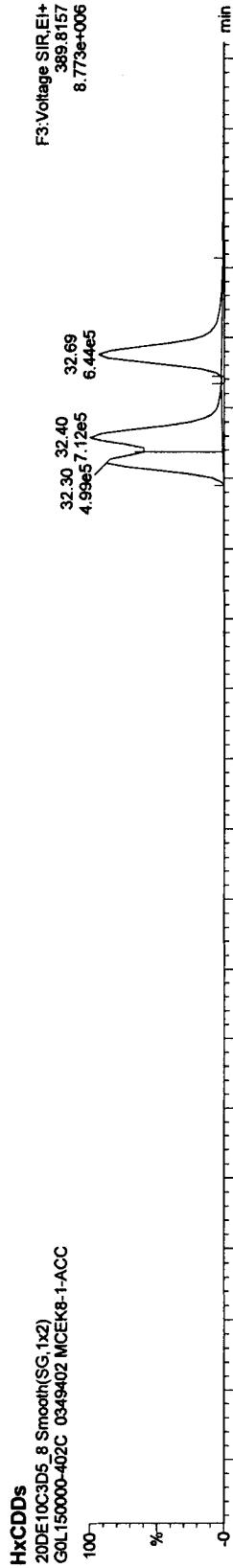


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402



Quantify Compound Report MassLynx 4.1

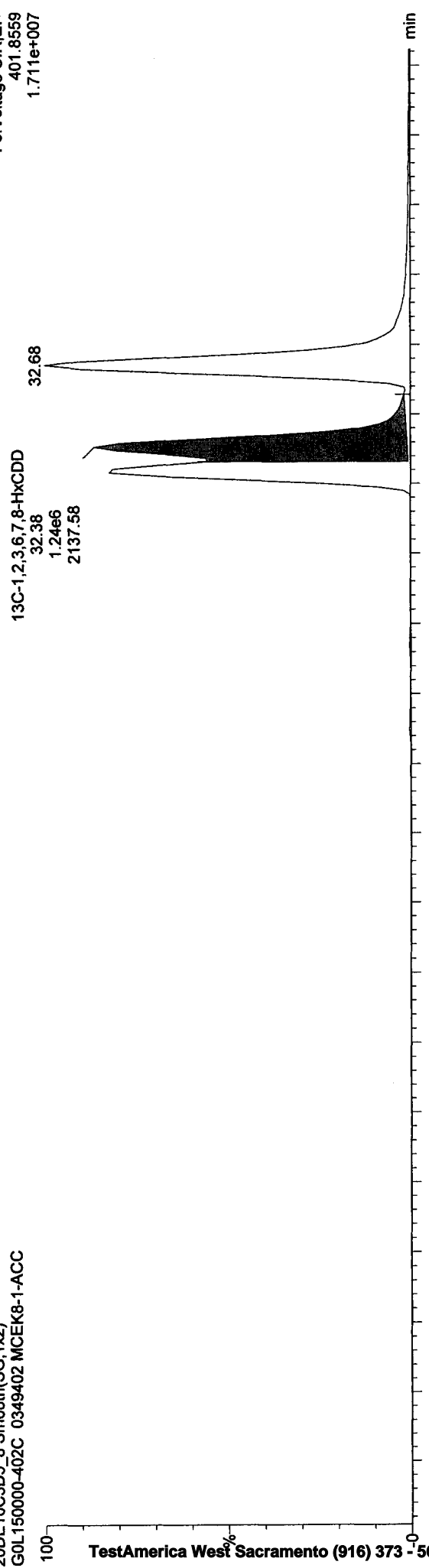
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:23:47 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:24:05 Pacific Standard Time

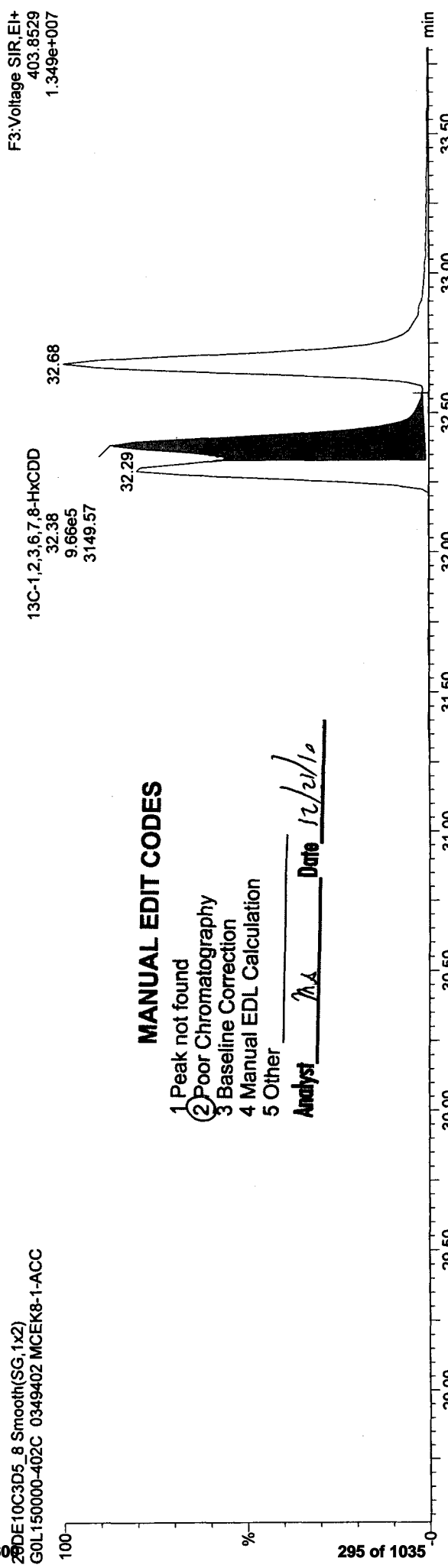
Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Sample Name: 20DE10C3D5_8
20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

F3:Voltage SIR, EI+
401.8559
1.711e+007



F3:Voltage SIR, EI+
403.8529
1.349e+007



MANUAL EDIT CODES

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst NA Date 12/21/10

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

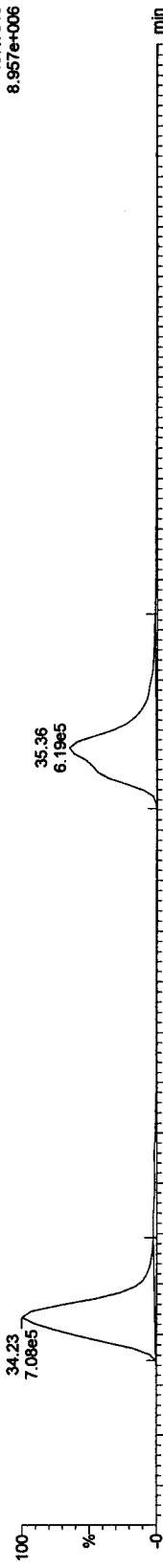
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Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

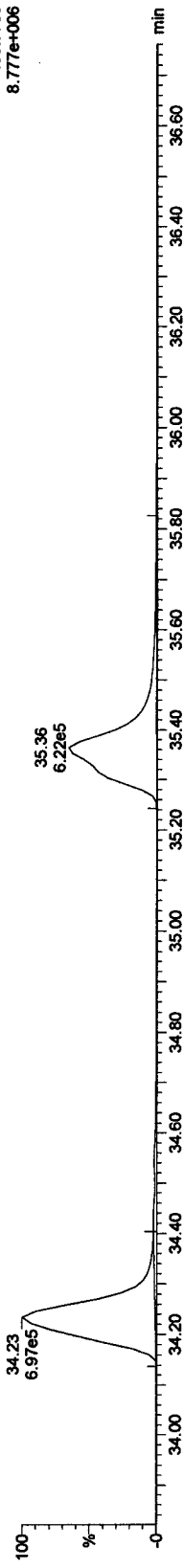
Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

HpCDFs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

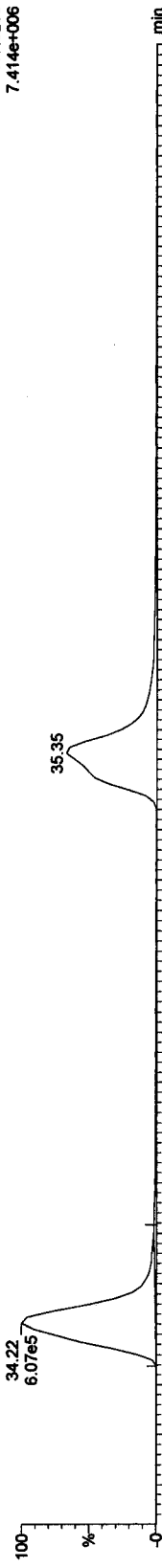


20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

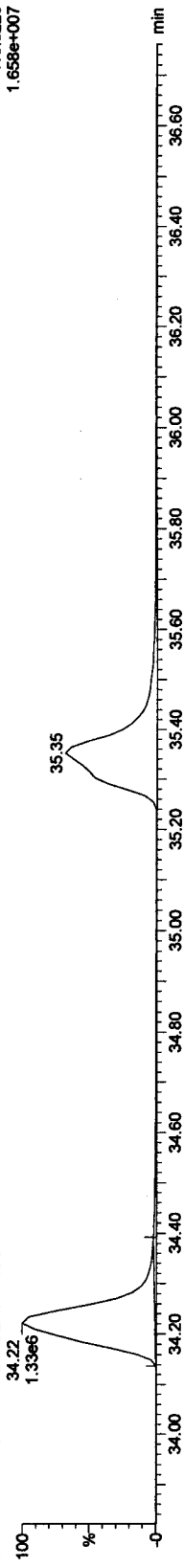


13C-HpCDFs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

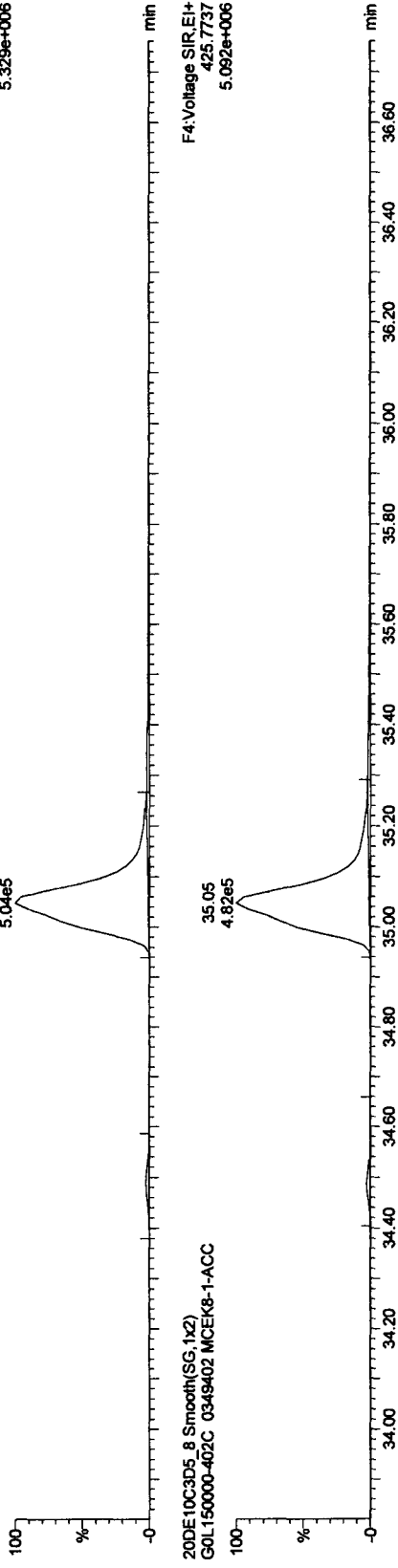
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

HpCDDs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

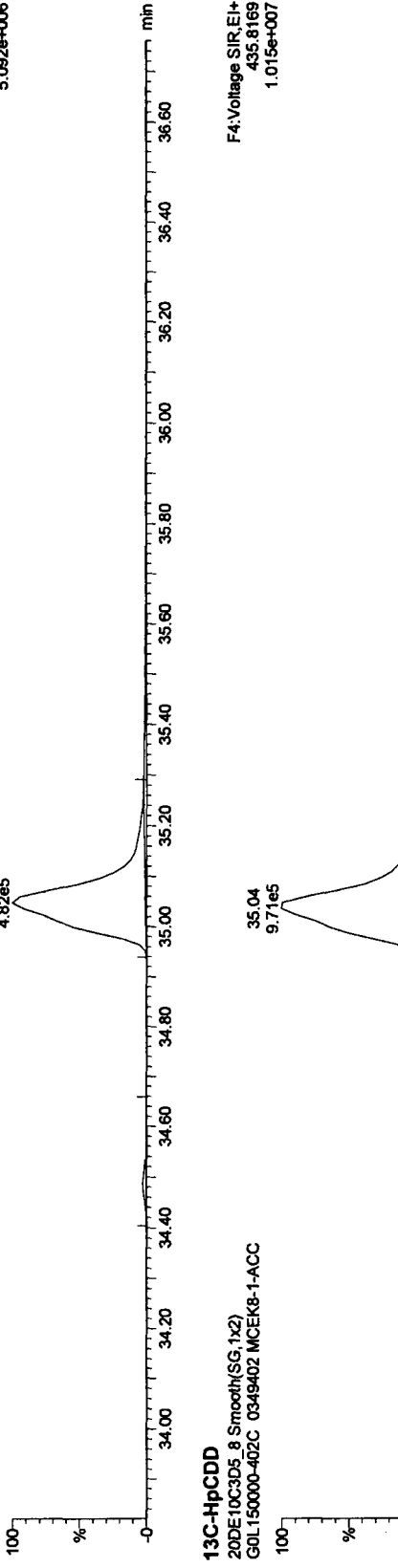
F4:Voltage SIR,EI+
423.7766
5.329e+006



13C-HpCDD

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

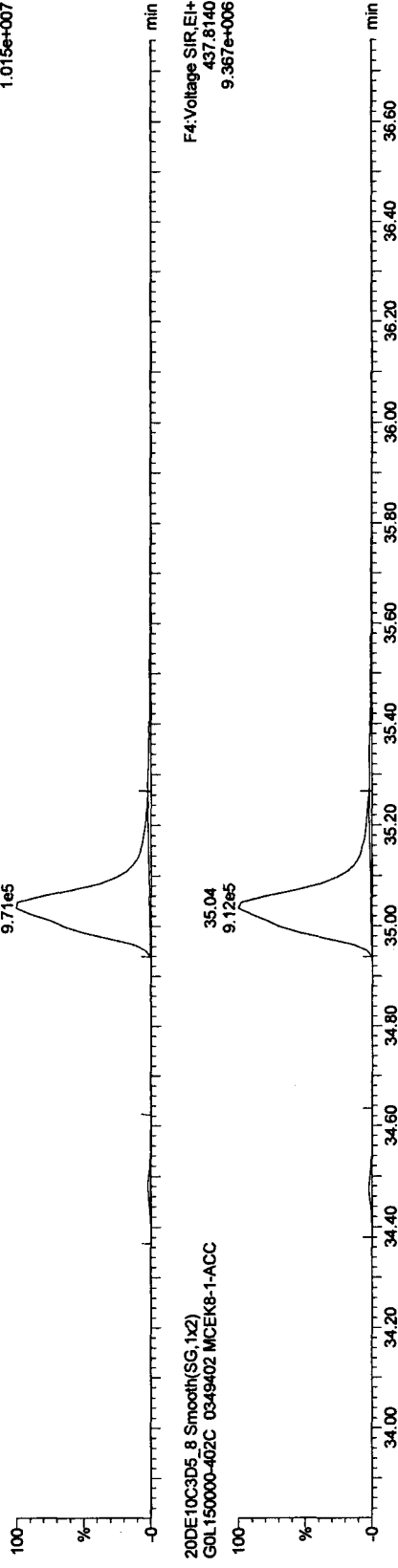
F4:Voltage SIR,EI+
425.7737
5.092e+006



13C-HpCDD

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

F4:Voltage SIR,EI+
435.8169
1.015e+007



20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

F4:Voltage SIR,EI+
437.8140
9.367e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

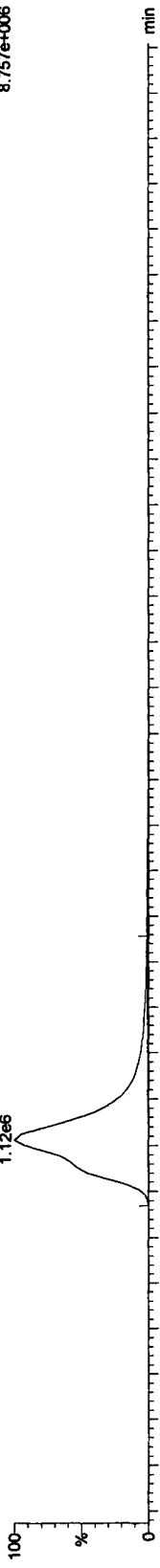
Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

OCDF's

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

37.61
1.12e6

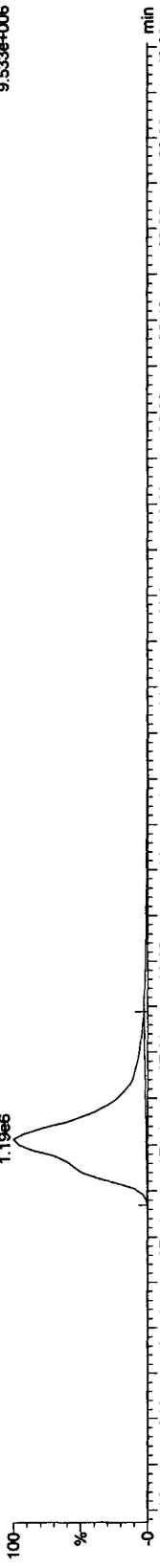
F5:Voltage SIR,EI+
441.7428
8.757e+006



20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

37.61
1.19e6

F5:Voltage SIR,EI+
443.7399
9.533e+006

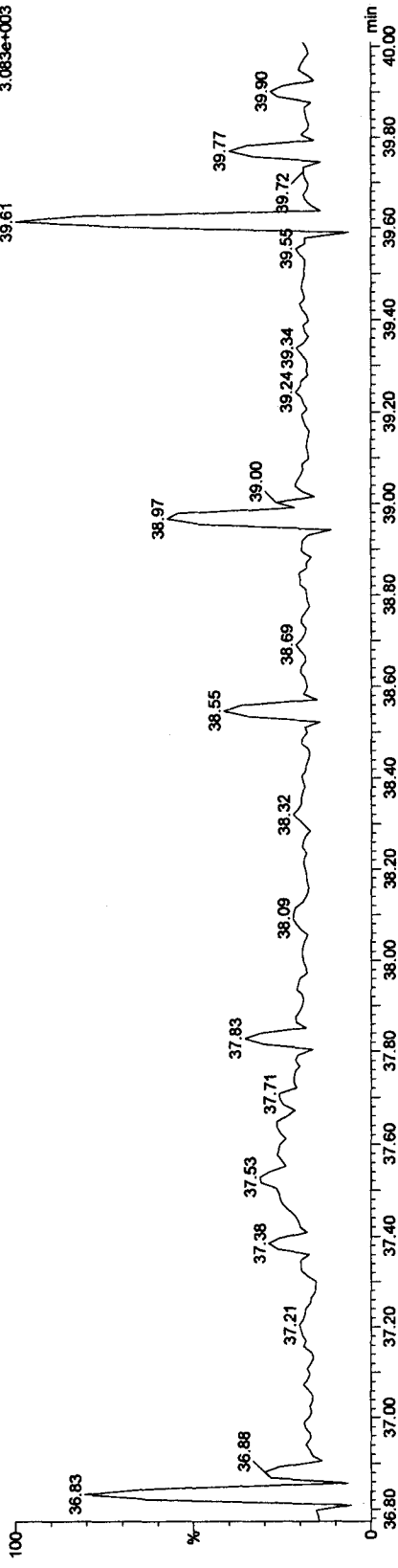


OCDF PCIDPE

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

36.83

F5:Voltage SIR,EI+
513.67750
3.083e+003

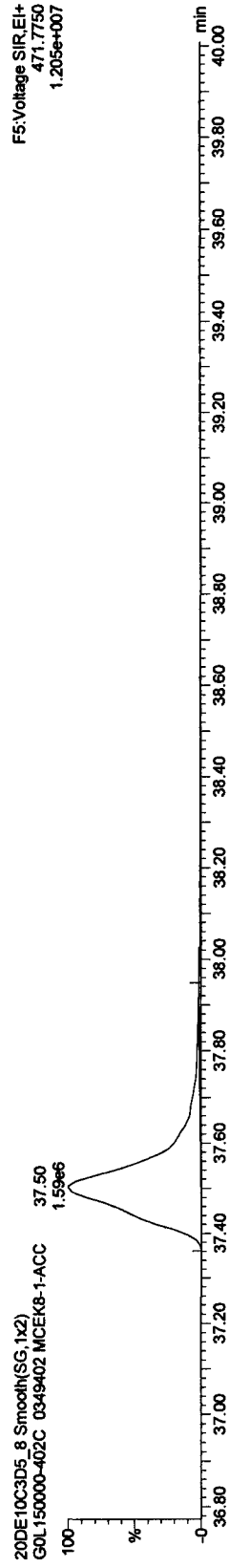
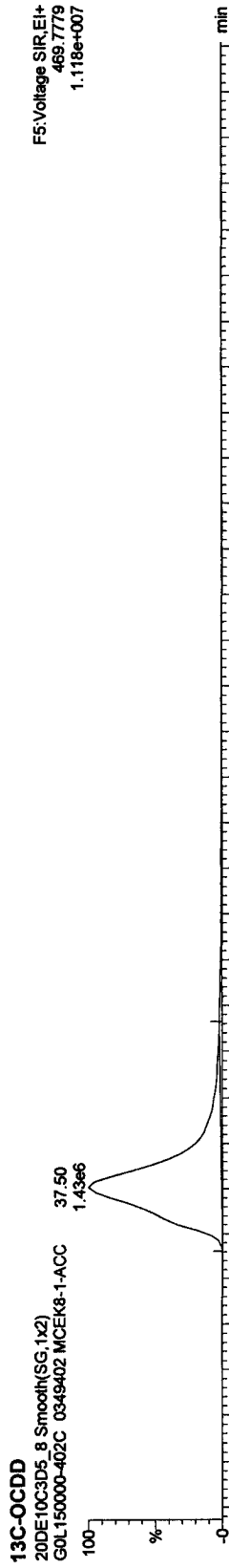
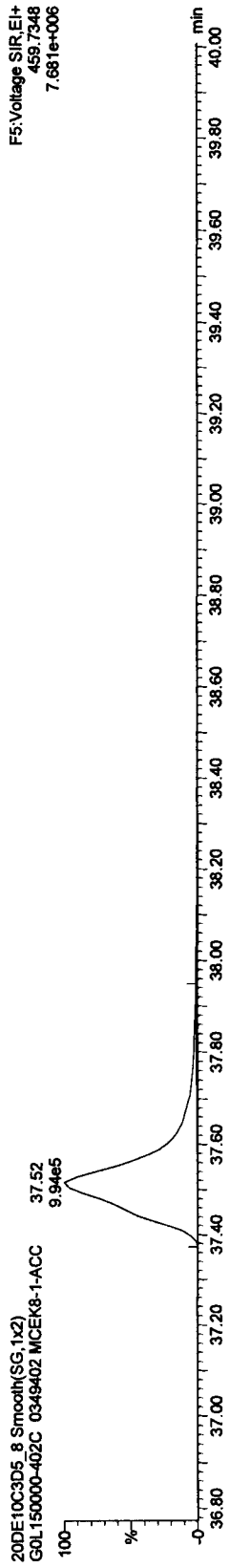
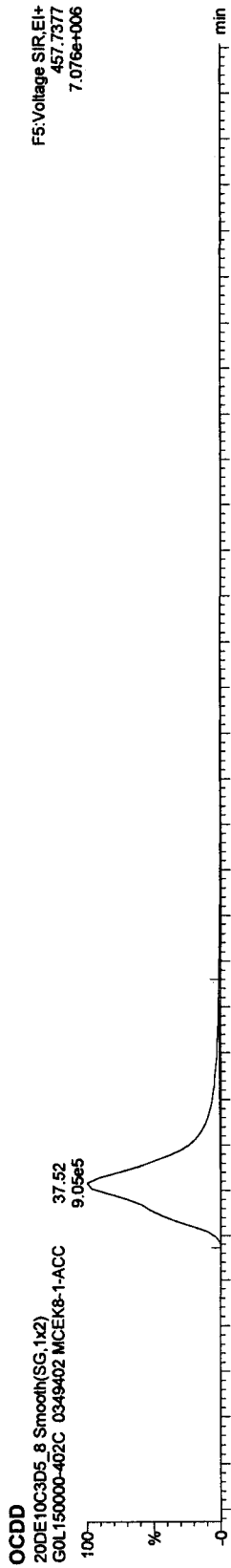


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402



Quantify Sample Report MassLynx 4.1

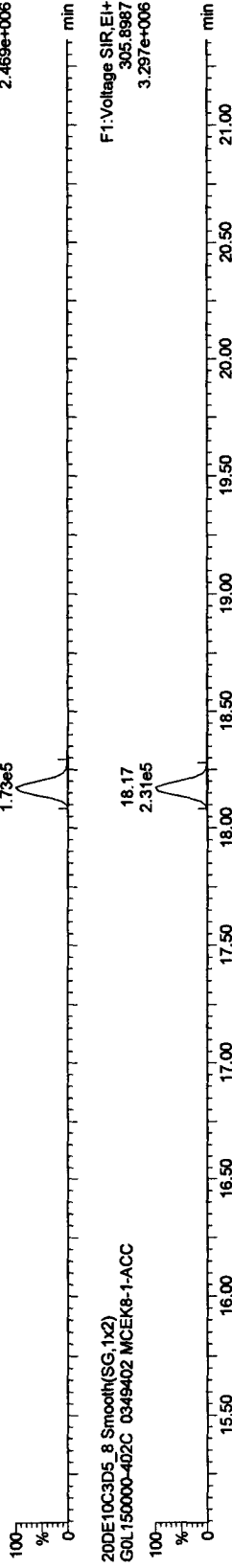
Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

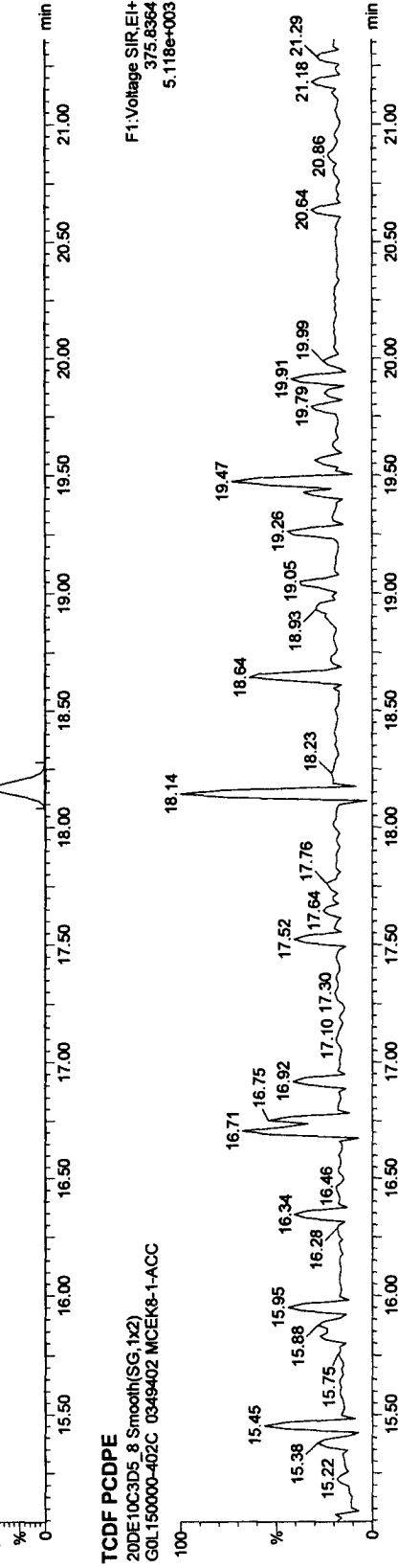
TCDFs

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



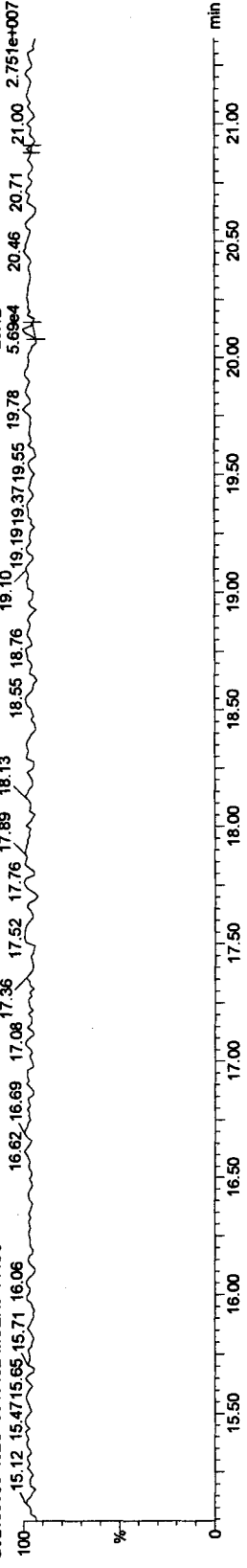
TCDF PCDPE

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Function 1 PFK

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

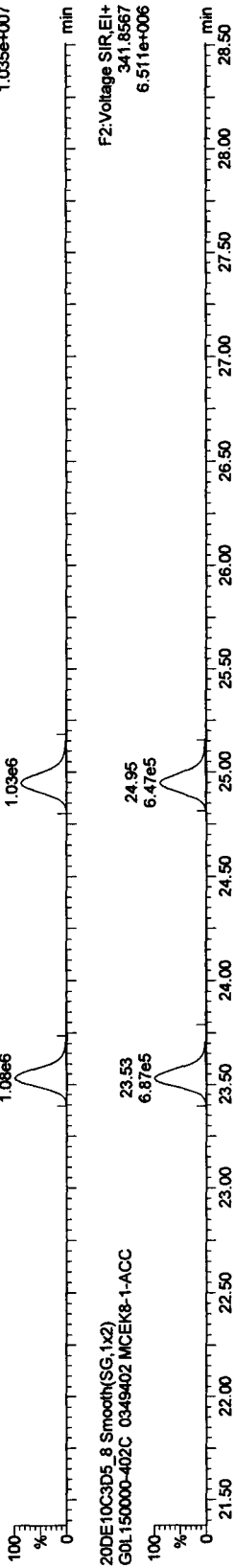
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

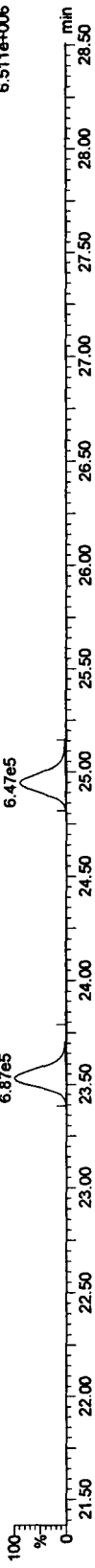
Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

PeCDF

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC

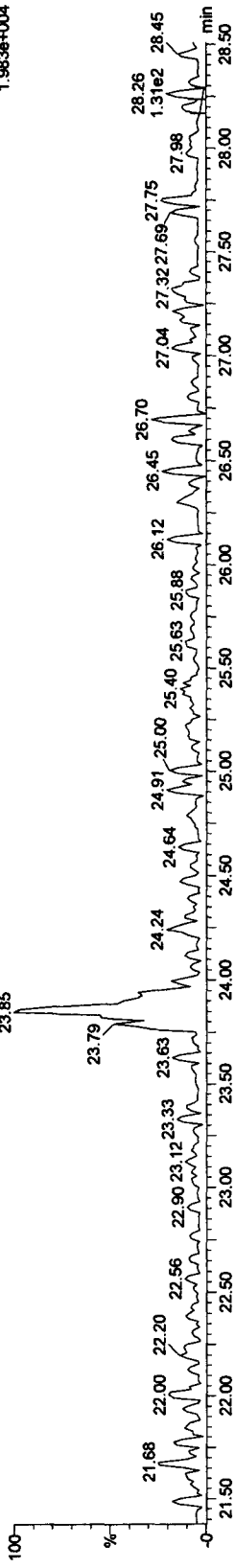


20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



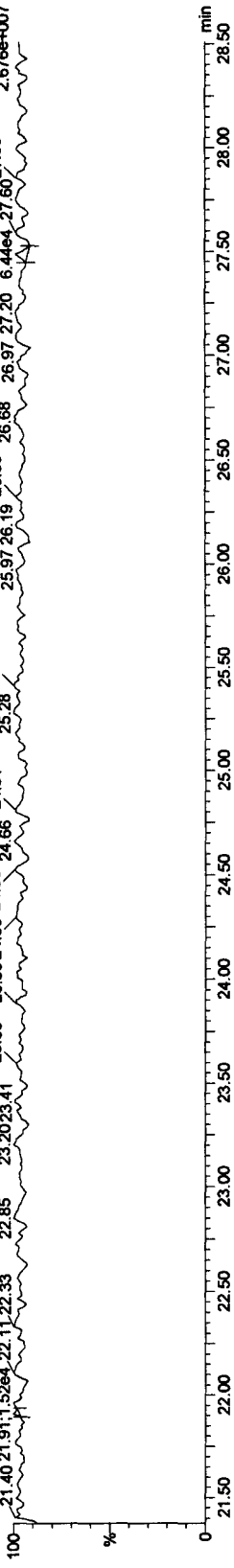
F2 PeCDF PCDPE

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Function 2 PFK

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



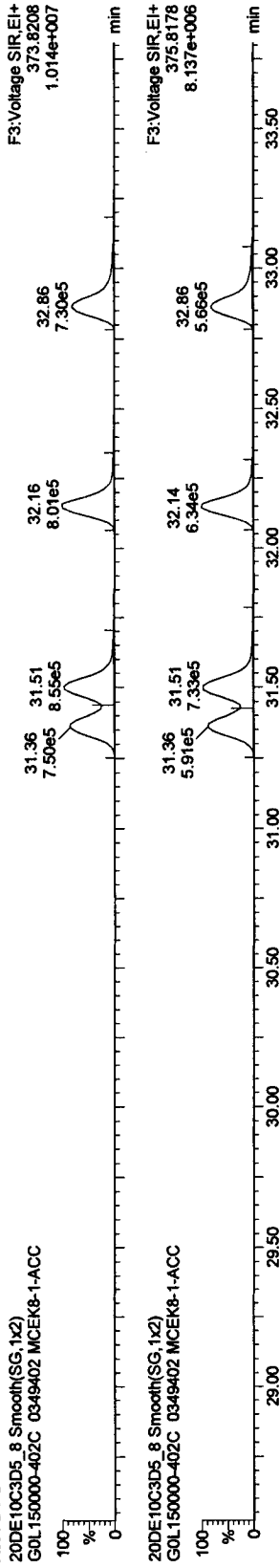
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

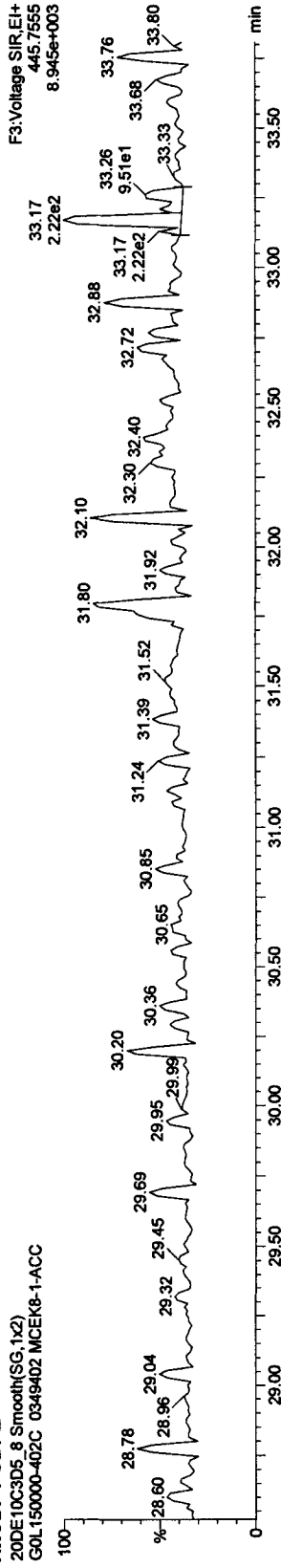
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: G0L150000-402C 0349402

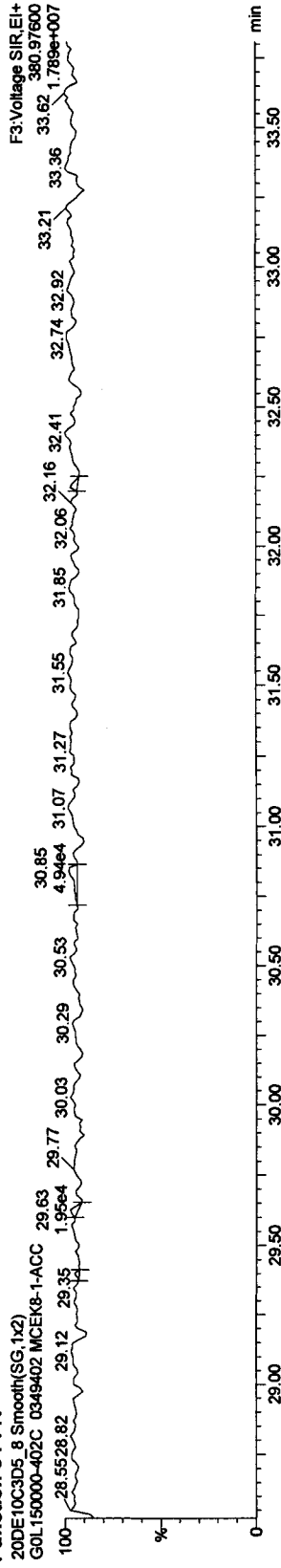
HxCDFs



HxCDF PCDFE



Function 3 PFK

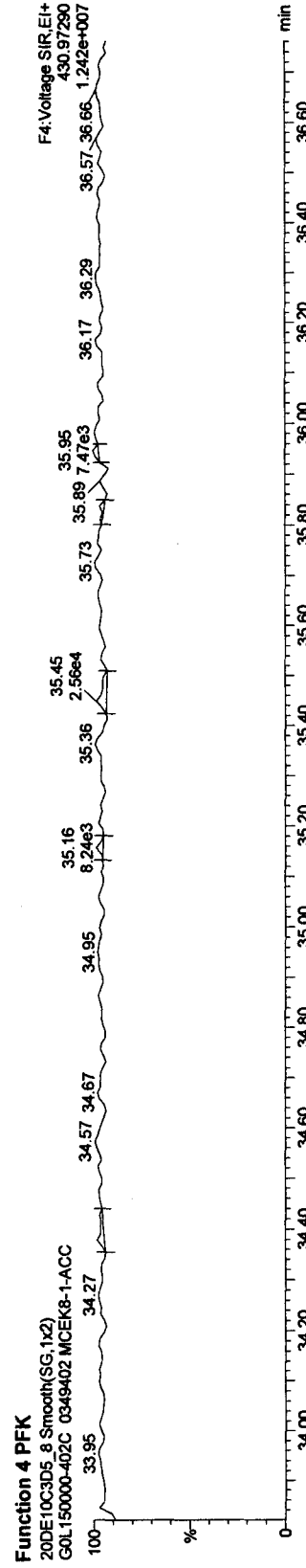
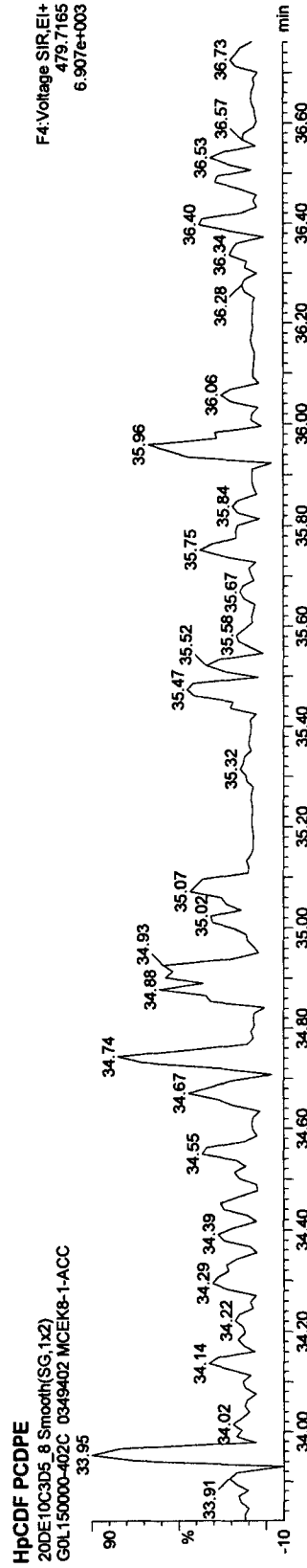
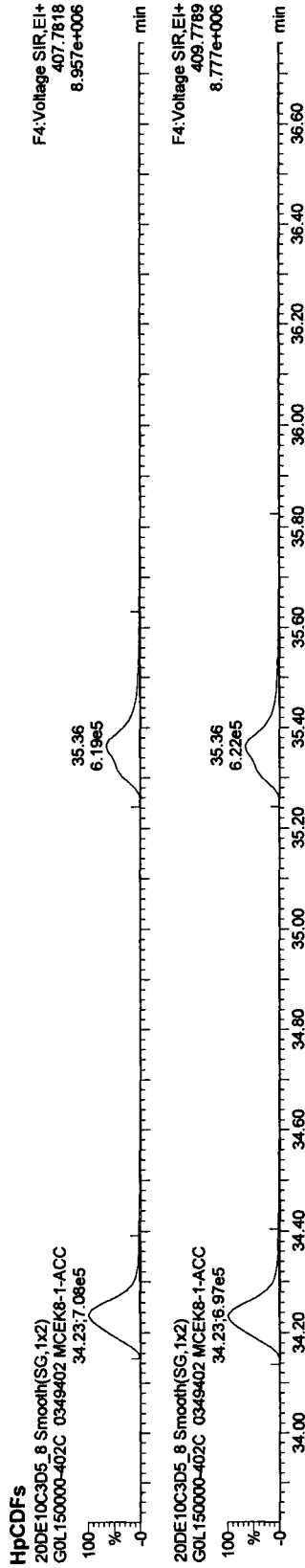


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402



Quantify Sample Report MassLynx 4.1

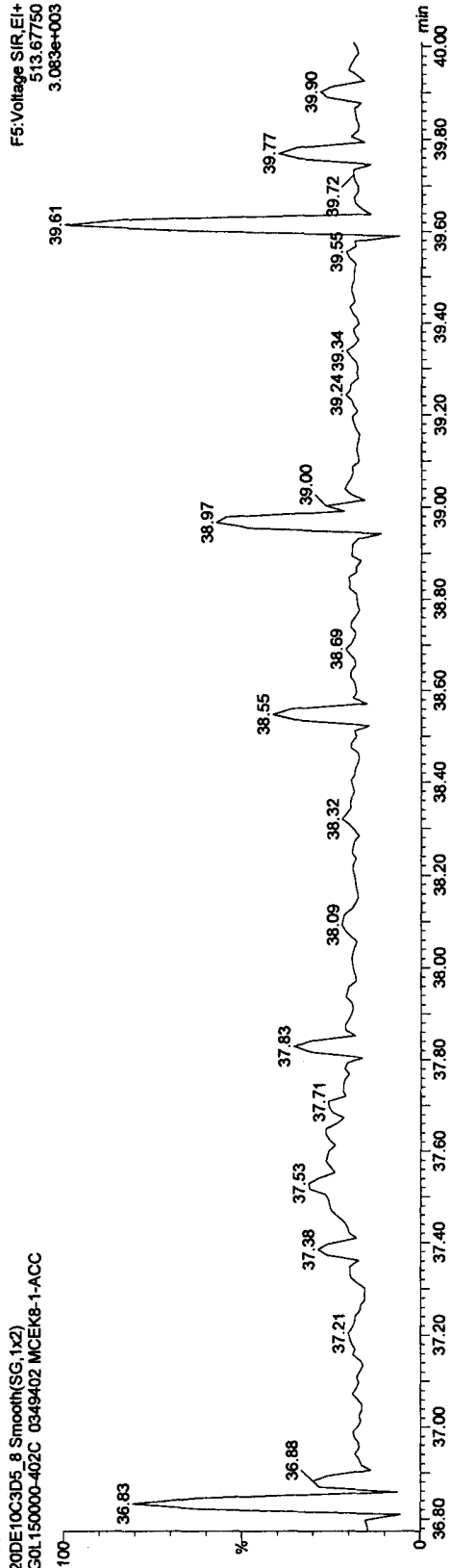
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_8, Date: 20-Dec-2010, Time: 22:33:19, ID: MCEK8-1-ACC, Description: GOL150000-402C 0349402

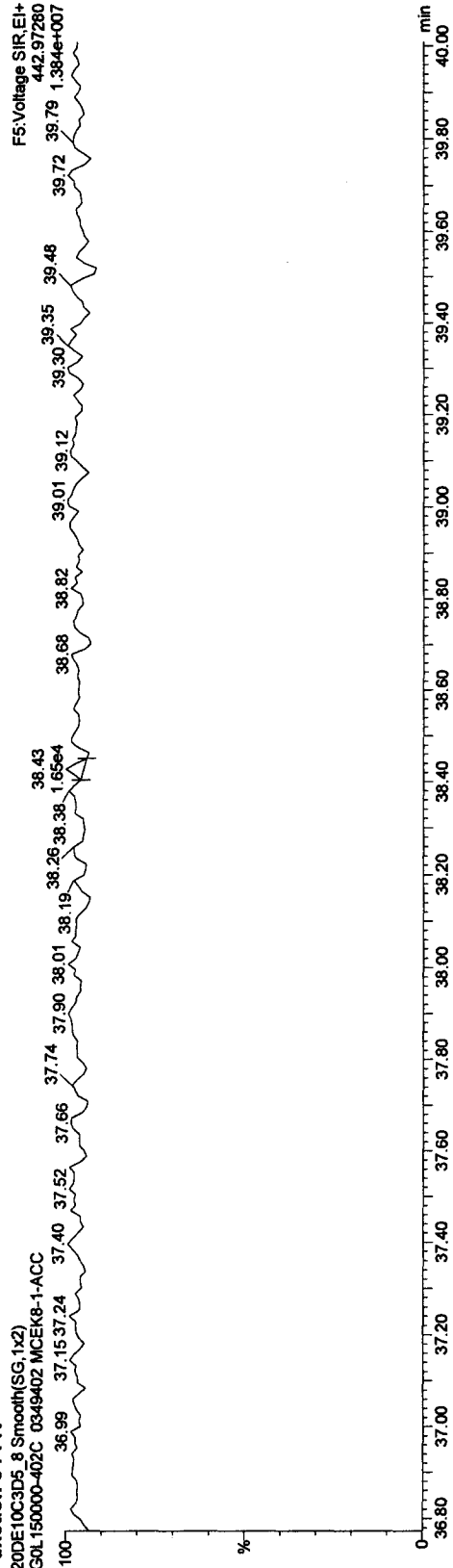
OCDF PCDFPE

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Function 5 PFK

20DE10C3D5_8 Smooth(SG,1x2)
GOL150000-402C 0349402 MCEK8-1-ACC



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:13:45 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	Conc	EMPC	%Rec	EDI	Ratio	Prd Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.70	18.72	1.000	3534852.38	4000.0000	4000.0000	100.0	2.5821	0.773	0.770	0.770	NO
2															
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.16	18.17	1.330	3983960.13	3389.7945	3389.7945	84.7	1.5501	0.798	0.770	0.770	NO
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.17	0.972	414523.91	428.3988	428.3988		0.6789	0.767	0.770	0.770	NO
5	Total TCDFs	303.9016	0.500	21.44	21.44	0.972	428.3988	428.3988	428.3988		0.6789	0.767	0.770	0.770	NO
13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.890	2676367.50	3403.1478	3403.1478	3403.1478	85.1	2.9015	0.771	0.770	0.770	NO
2,3,7,8-TCDD	319.8965	0.500	18.93	18.93	1.009	322380.25	477.6303	477.6303	477.6303		0.9697	0.739	0.770	0.770	NO
Total TCDDs	319.8965	0.500	19.55	19.55	1.009	477.6303	477.6303	477.6303	477.6303		0.9697	0.739	0.770	0.770	NO
37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.649	2425.41	5.5819	0.0000	0.0000	0.3	0.6237				
13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.54	0.971	3146137.63	3667.5879	3667.5879	3667.5879	91.7	3.1971	1.596	1.550	1.550	NO
1,2,3,7,8-PeCDF	339.8597	0.500	23.53	23.53	1.069	1855628.38	2206.7274	2206.7274	2206.7274		1.8376	1.578	1.550	1.550	NO
2,3,4,7,8-PeCDF	339.8597	0.500	24.94	24.95	1.028	1736866.69	2147.2146	2147.2146	2147.2146		1.9103	1.597	1.550	1.550	NO
Total F2 PeCDFs	339.8597	0.500	34.47	34.47	1.049	4353.9421	4353.9421	4353.9421	4353.9421		1.8733	1.597	1.550	1.550	NO
Total F1 PeCDFs	339.8597	0.500	36.56	36.56	1.049	0.8438	0.8438	0.8438	0.8438		0.7946				
13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.69	25.75	0.715	2321629.25	3673.1447	3673.1447	3673.1447	91.8	3.3881	1.569	1.550	1.550	NO
1,2,3,7,8-PeCDD	355.8546	0.500	25.73	25.71	0.884	1141352.50	2224.3096	2224.3096	2224.3096		2.1670	1.549	1.550	1.550	NO
Total PeCDDs	355.8546	0.500	31.10	31.10	0.884	2224.3096	2224.3096	2224.3096	2224.3096		2.1670	1.549	1.550	1.550	NO
13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.000	2334487.75	4000.0000	4000.0000	4000.0000	100.0	3.7196	1.291	1.240	1.240	NO
1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.084	2112256.88	3337.5545	3337.5545	3337.5545	83.4	4.8345	0.520	0.510	0.510	NO
2,3,4,7,8-HxCDF	373.8208	0.500	31.36	31.37	1.219	1348869.19	2096.3016	2096.3016	2096.3016		1.8710	1.241	1.240	1.240	NO
1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.50	1.396	1632247.19	2213.7660	2213.7660	2213.7660		1.6328	1.248	1.240	1.240	NO
2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.14	1.237	1462477.88	2238.0023	2238.0023	2238.0023		1.8423	1.239	1.240	1.240	NO
1,2,3,7,8,9-HxCDF	373.8208	0.500	32.86	32.85	1.078	1297590.25	2278.9953	2278.9953	2278.9953		2.1144	1.245	1.240	1.240	NO
Total HxCDFs	373.8208	0.500	0.00	0.00	1.233	8827.0652	8827.0652	8827.0652	8827.0652		1.8495				
13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.38	32.38	0.894	2047753.56	3922.5973	3922.5973	3922.5973	98.1	4.1583	1.144	1.240	1.240	NO
1,2,3,4,7,8-HxCDD	389.8157	0.500	32.32	32.32	1.028	992171.72	1885.8734	1885.8734	1885.8734		1.4039	1.409	1.240	1.240	NO
1,2,3,6,7,8-HxCDD	389.8157	0.500	32.40	32.40	1.111	1262225.19	2220.2002	2220.2002	2220.2002		1.2991	1.143	1.240	1.240	NO
1,2,3,7,8,9-HxCDD	389.8157	0.500	32.69	32.69	1.113	1154659.63	2026.9100	2026.9100	2026.9100		1.2965	1.227	1.240	1.240	NO

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12/21/10

Test Analytical West Sacramento CA 95690
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:13:45 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: G0L150000-402L 0349402, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
36 Total HxCDDs	389.8157	0.500		0.00	1.084		6132.9837	6132.9837		1.3313				
37														
38 13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.22	34.20	0.881	1887719.69	3672.1796	3672.1796	91.8	8.6681	0.440	0.440	NO	
39 1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.23	34.23	1.402	1447403.50	2188.0975	2188.0975		3.5486	1.059	1.040	NO	
40 1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.34	1.199	1243955.44	2198.1937	2198.1937		4.1480	1.039	1.040	NO	
41 Total HpCDFs	407.7818	0.500		0.00	1.300		4386.2912	4386.2912		3.8250				
42														
43 13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.04	35.01	0.857	1829002.50	3655.0858	3655.0858	91.4	7.7737	1.048	1.040	NO	
44 1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.05	35.05	0.981	1017636.91	2268.4664	2268.4664		2.4619	0.997	1.040	NO	
45 Total HpCDDs	423.7766	0.500		-0.04	0.981		2310.0369	2310.0369		2.4619				
46														
47 13C-OCDD	469.7779	0.500	37.50	37.44	0.643	2875273.25	7659.9215	7659.9215	95.7	10.3823	0.914	0.890	NO	
48 OCDF	441.7428	0.500	37.61	37.61	1.477	2429156.63	4575.8094	4575.8094		4.2858	0.897	0.890	NO	
49 OCDD	457.7377	0.500	37.52	37.52	1.196	1932464.56	4494.8784	4494.8784		5.7194	0.899	0.890	NO	
50														
51 Function 1 PFK	330.97920	1.000			0.00									
52 Function 2 PFK	342.97920	1.000			0.00									
53 Function 3 PFK	380.97600	1.000			0.00									
54 Function 4 PFK	430.97290	1.000			0.00									
55 Function 5 PFK	442.97280	1.000			0.00									
56 TCDF PCDFE	375.8364	1.000		20.25	17.814					0.0000				
57 F1 PeCDF PCDFE	409.79740	1.000	19.31	19.31	97.109	179.00	1.8433		184.3	1.2358				
58 F2 PeCDF PCDFE	409.7974	1.000	28.37	28.29	51.063	20.36	0.3988		39.9	2.6179				
59 HxCDF PCDFE	445.7555	1.000	33.30	33.24	21.191	12.84	0.6060		60.6	3.3149				
60 HPCDF PCDFE	479.7165	1.000	34.26	34.27	39.173	49.85	1.2727		127.3	1.3932				
61 OCDF PCDFE	513.67750	1.000	39.09	39.16	27.302	2.00	0.0732		7.3	0.1804				
62														

Quantify Sample Report MassLynx 4.1

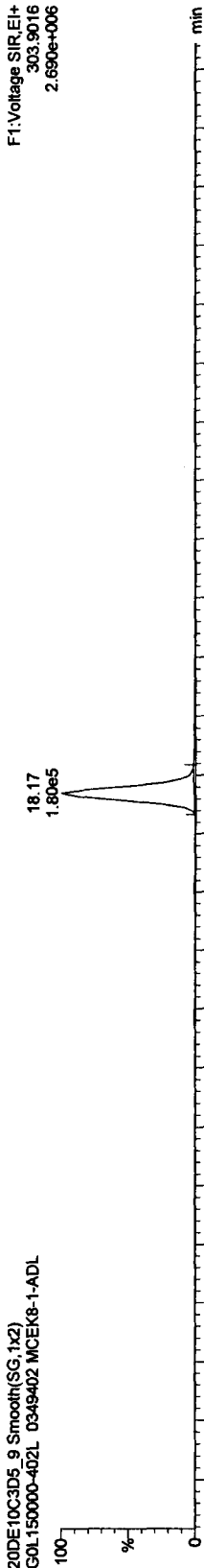
Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

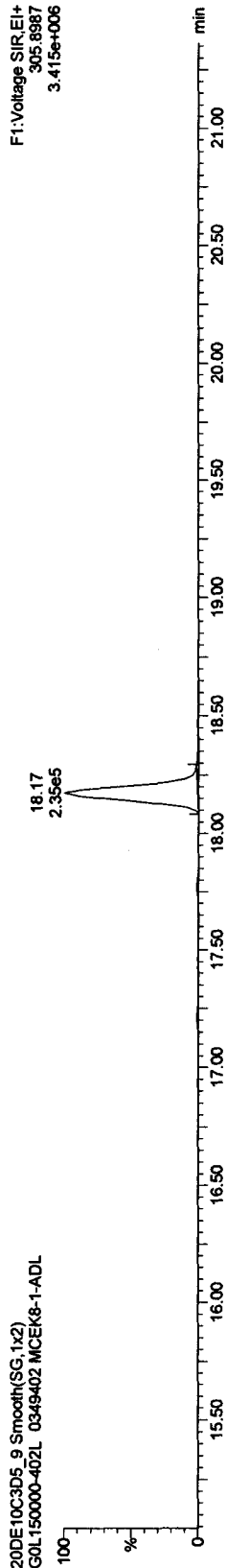
Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

TCDFs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

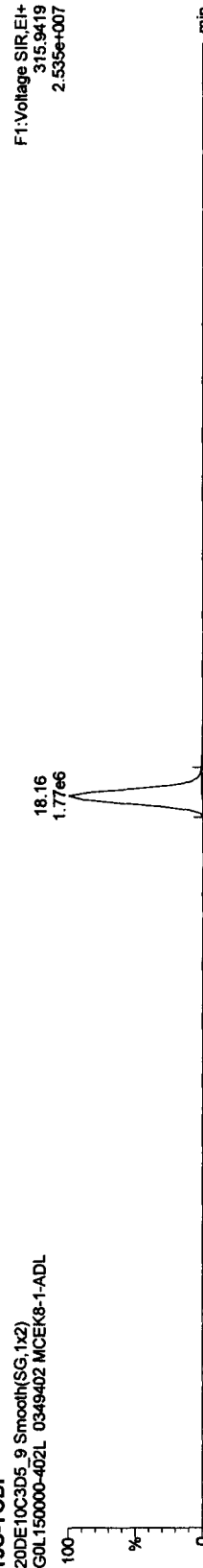


20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

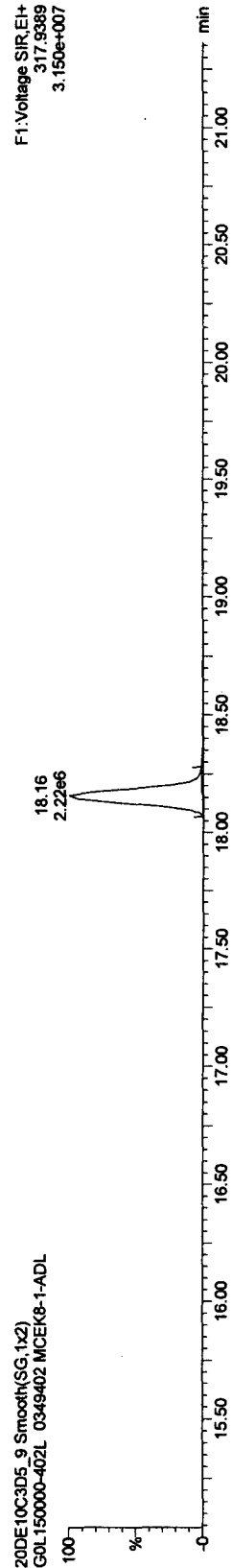


13C-TCDF

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

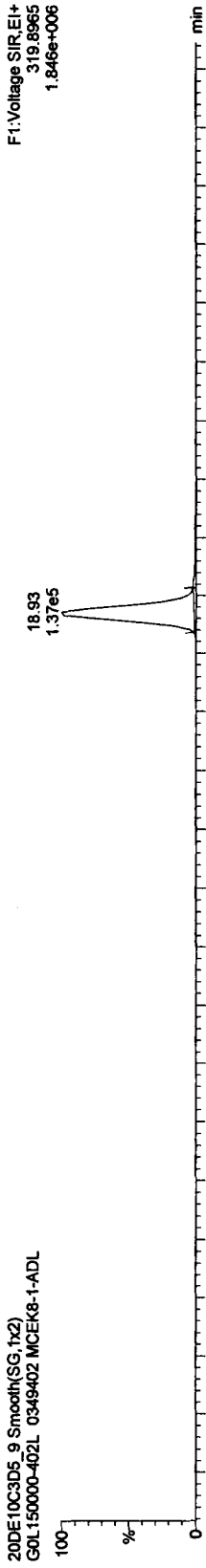
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

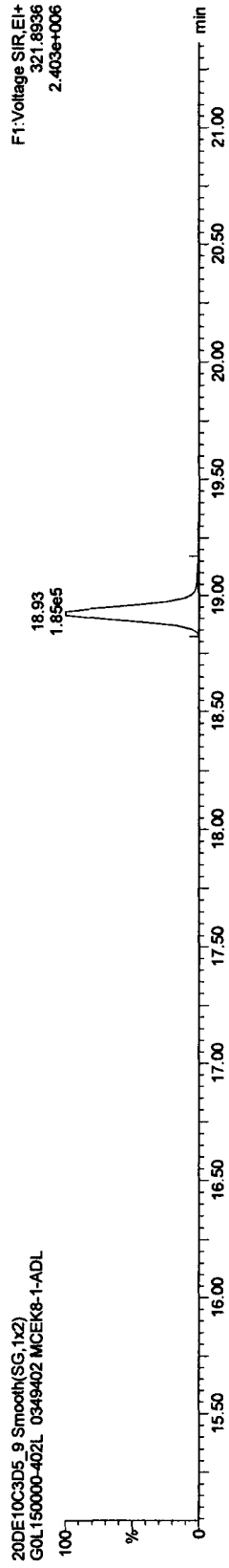
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TCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

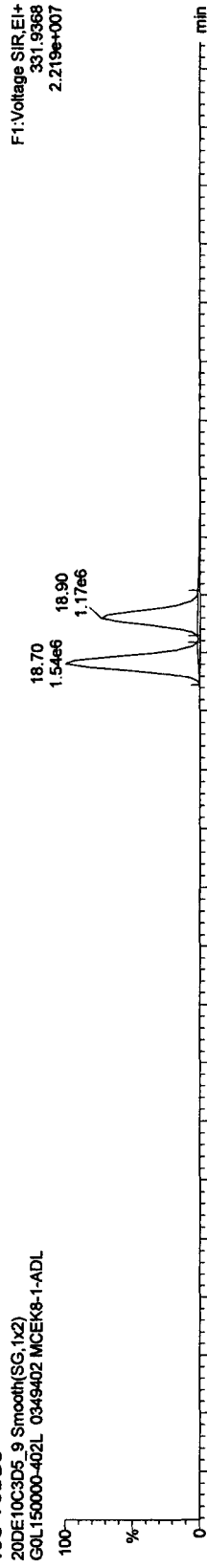


20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

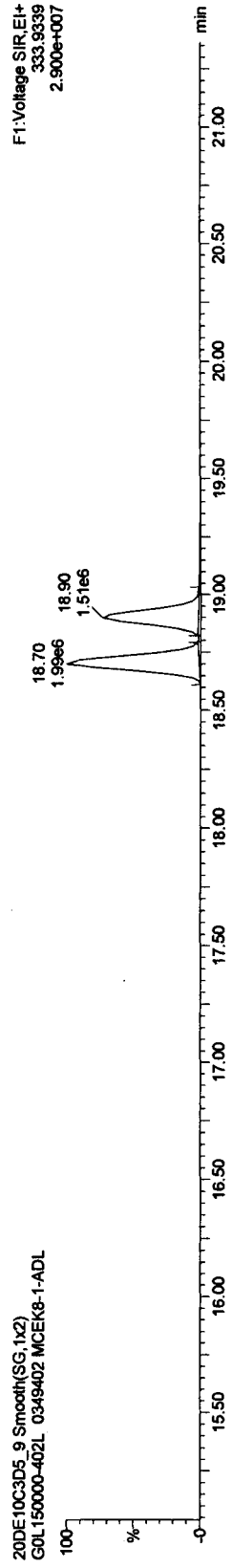


13C-TCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5TO9F.qld

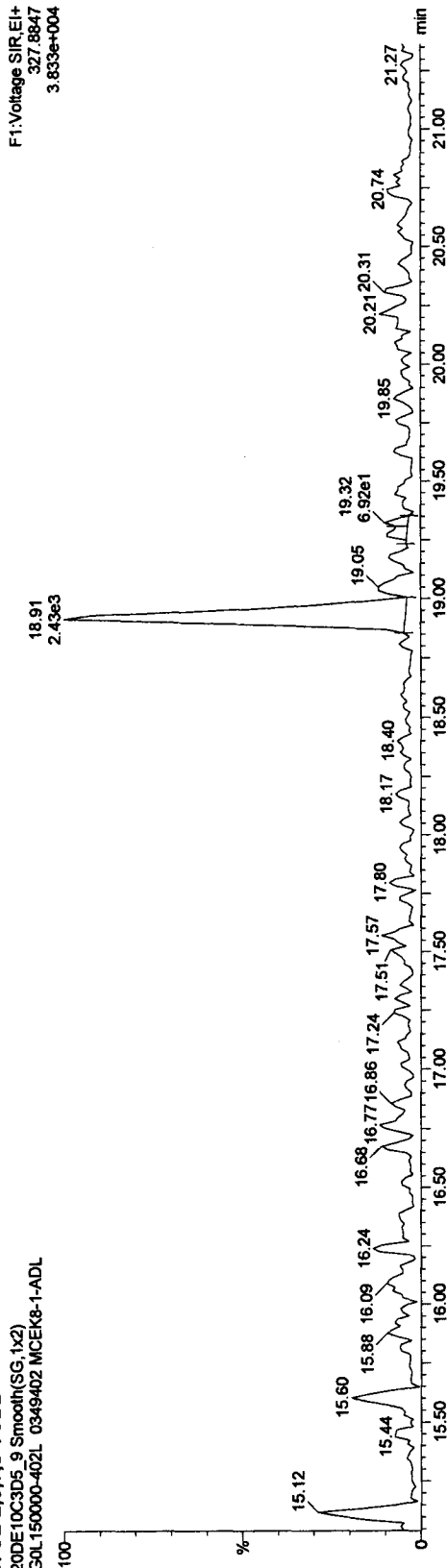
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9_Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

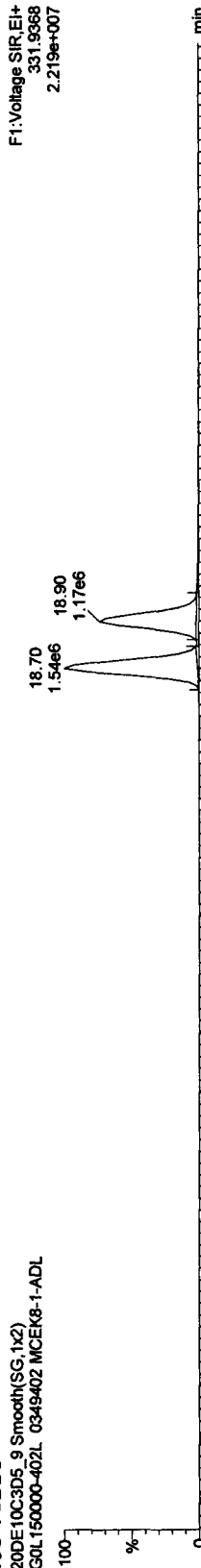
37CL-2,3,7,8-TCDD

20DE10C3D5_9_Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

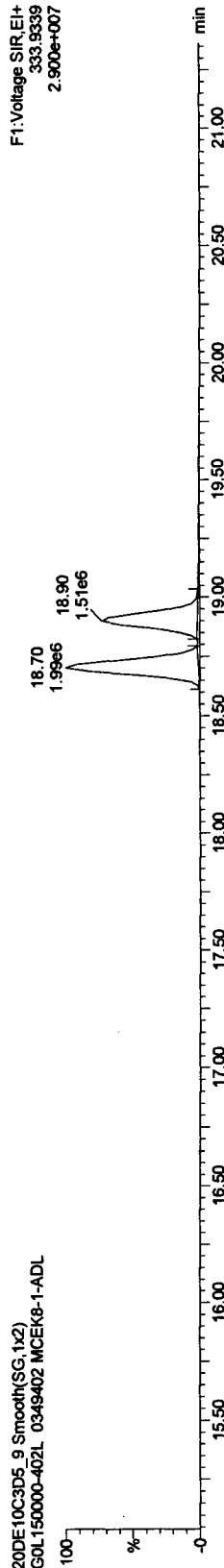


13C-TCDDs

20DE10C3D5_9_Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



20DE10C3D5_9_Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

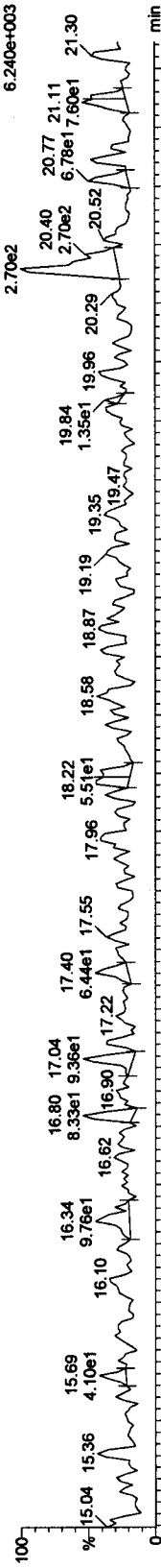
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Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

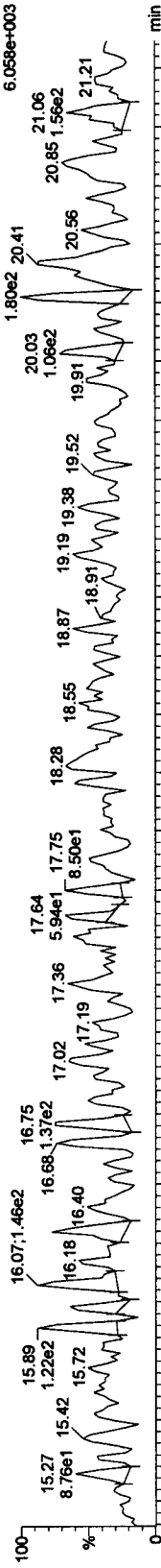
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F1 PeCDFs

20DE10C3D5_9 Smooth(SG,1x2)
 GOL150000-402L 0349402 MCEK8-1-ADL

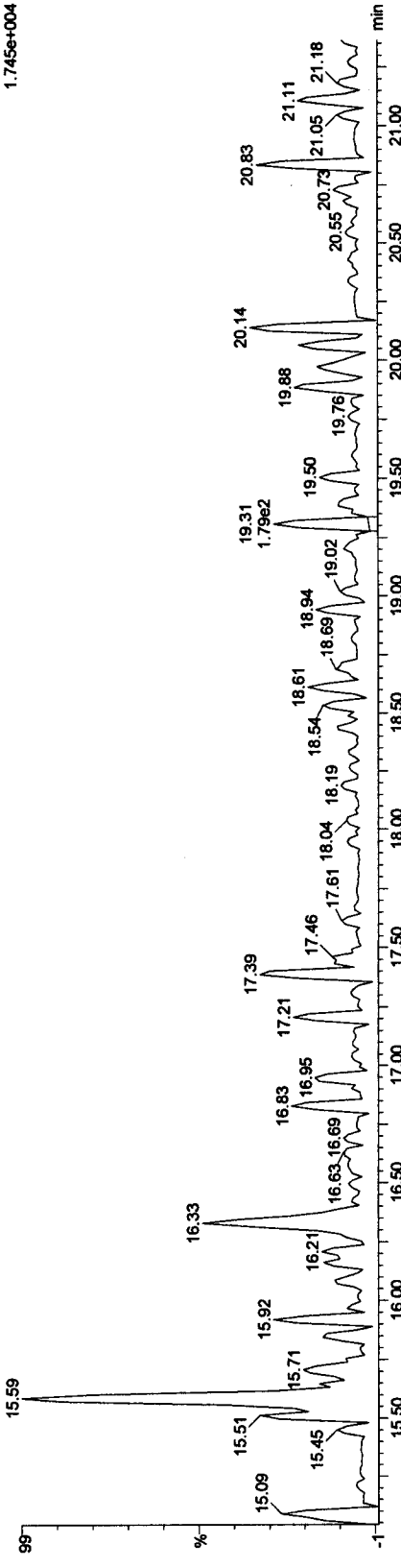


20DE10C3D5_9 Smooth(SG,1x2)
 GOL150000-402L 0349402 MCEK8-1-ADL



F1 PeCDF PCDFE

20DE10C3D5_9 Smooth(SG,1x2)
 GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

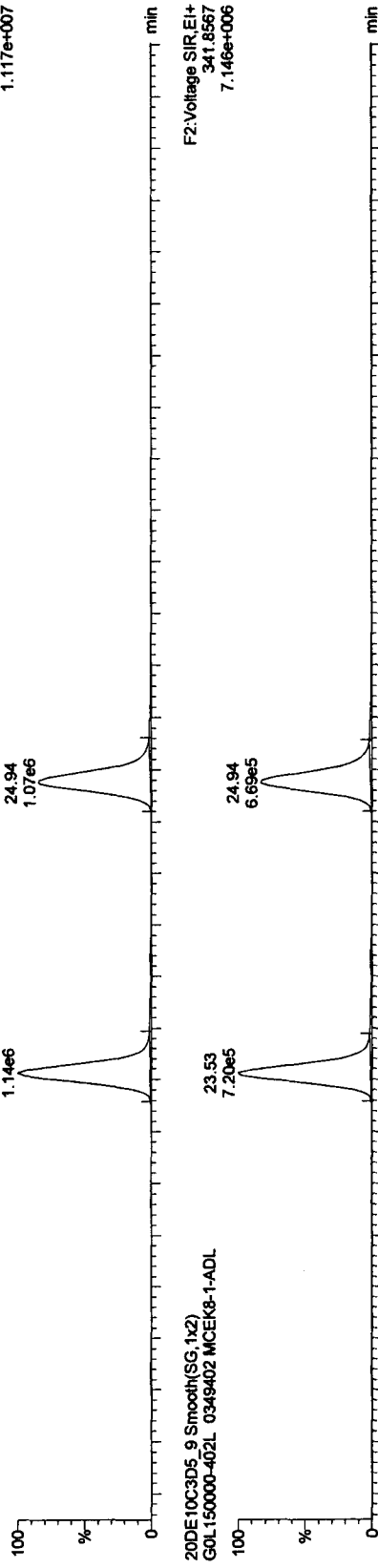
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

PeCDFs

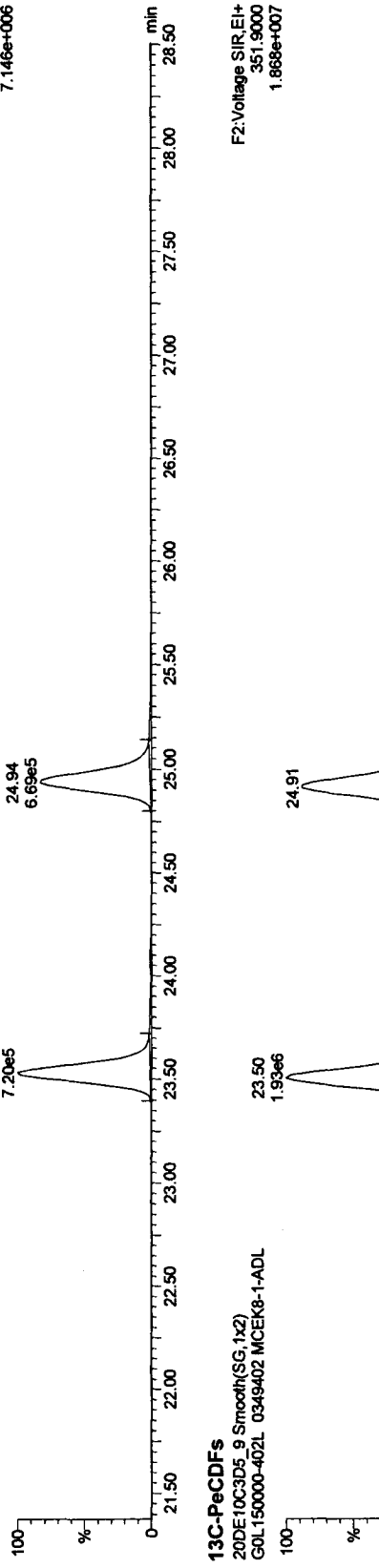
20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

F2:Voltage SIR.EI+
339.8597
1.117e+007



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

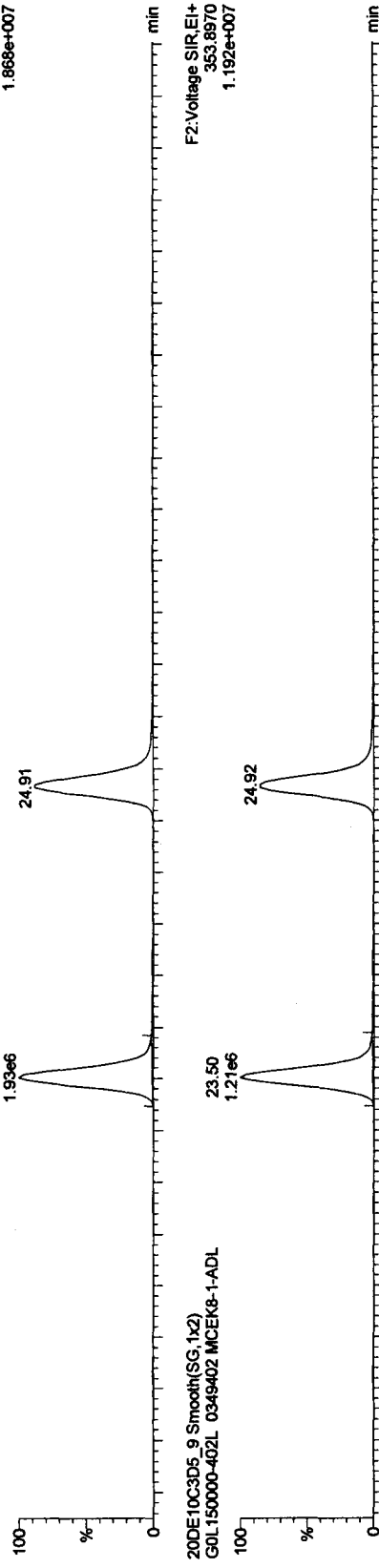
F2:Voltage SIR.EI+
341.8567
7.146e+006



13C-PeCDFs

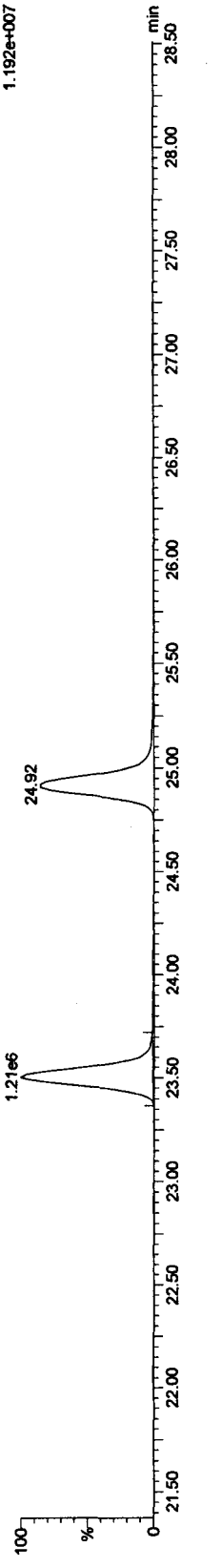
20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

F2:Voltage SIR.EI+
351.9000
1.868e+007



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

F2:Voltage SIR.EI+
353.8970
1.192e+007



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

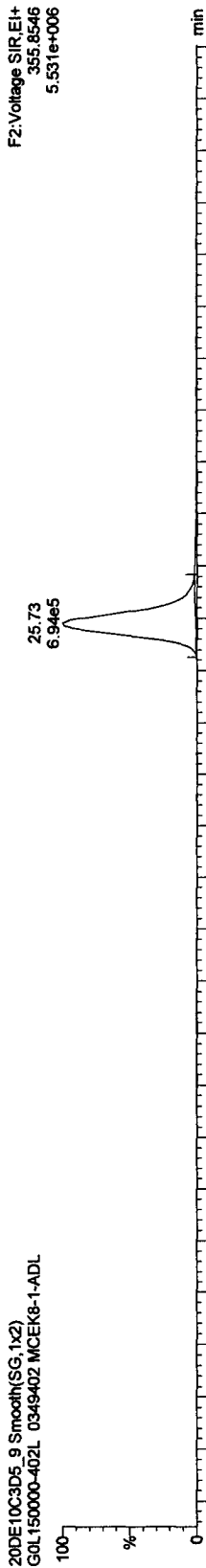
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

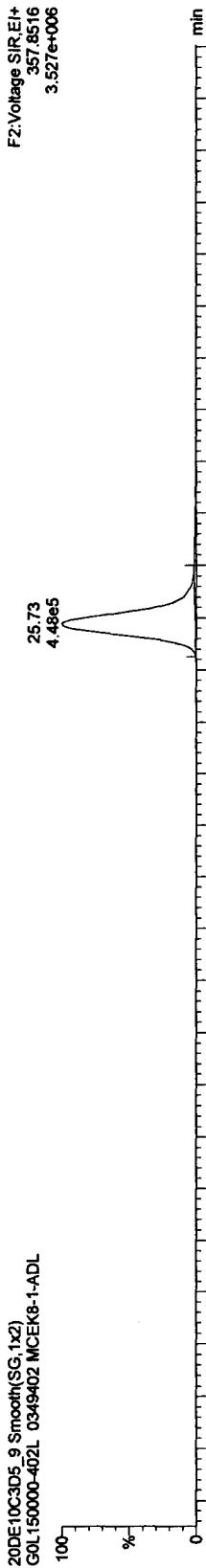
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PeCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

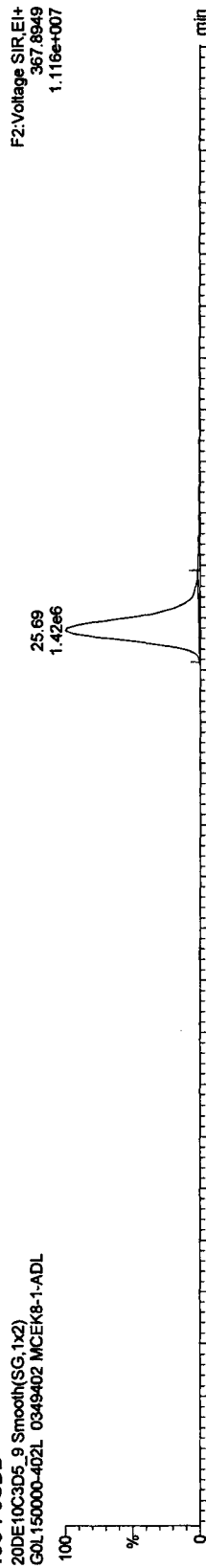


20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

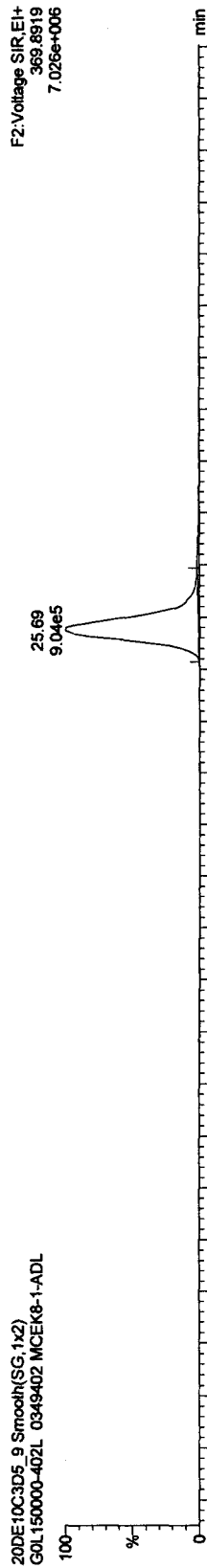


13C-PeCDD

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

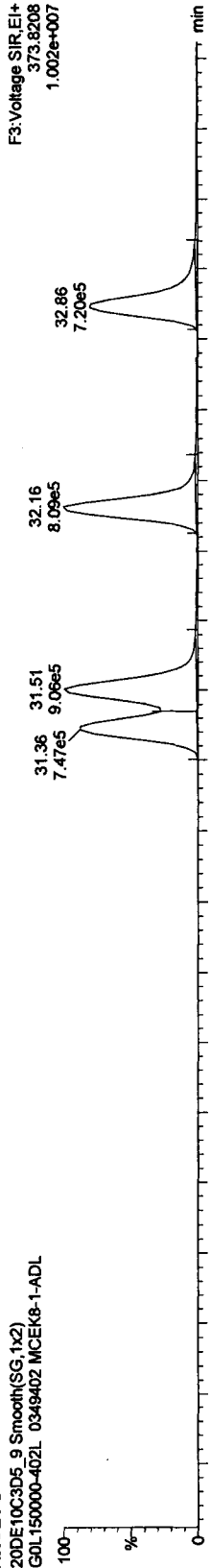
Dataset: C:\MassLynx\UAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

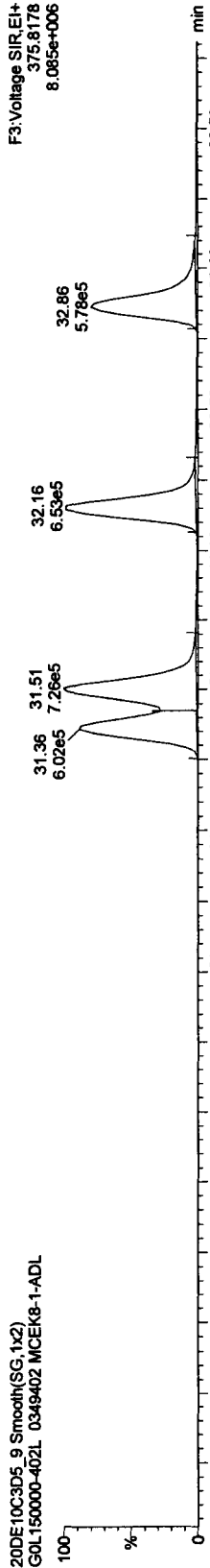
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HxCDFs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

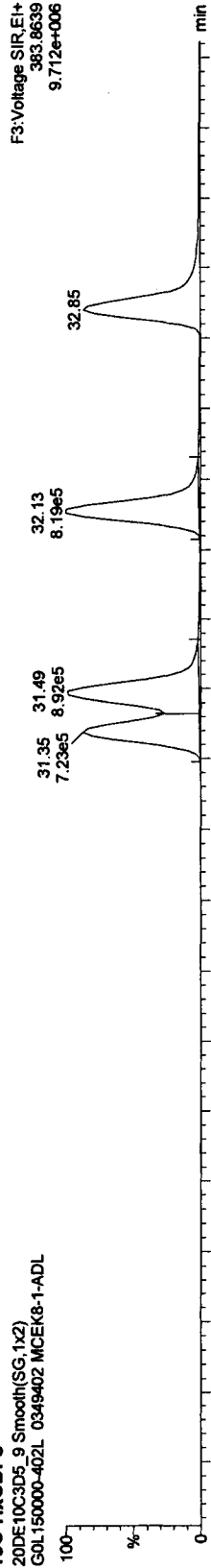


20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

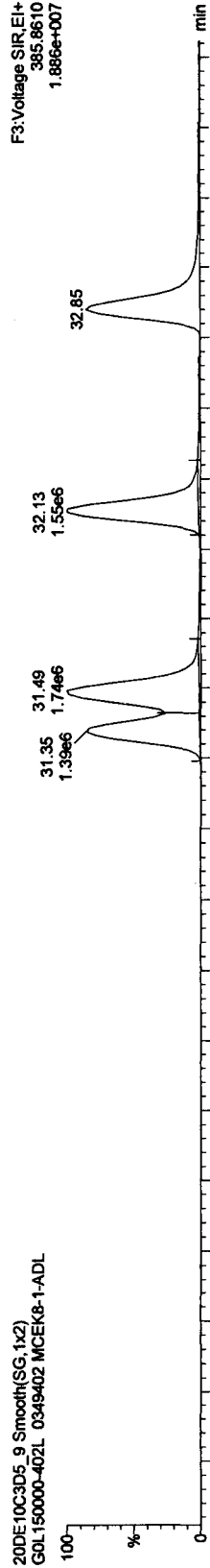


13C-HxCDFs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

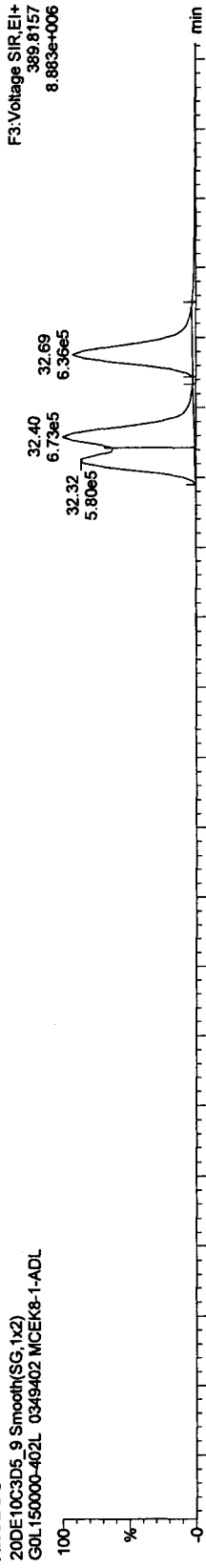
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

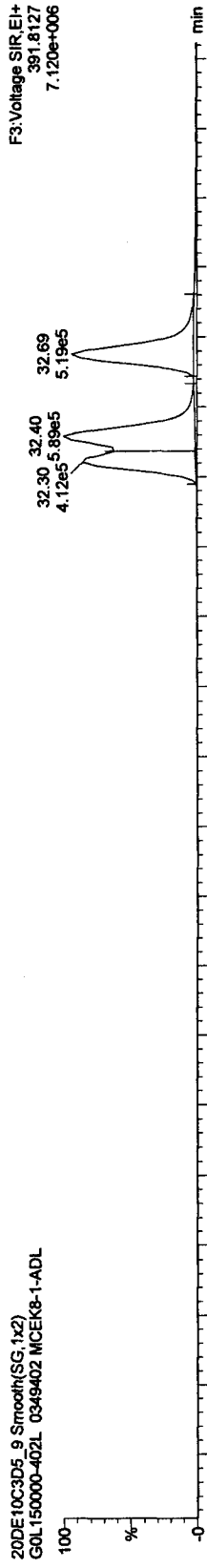
HxCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



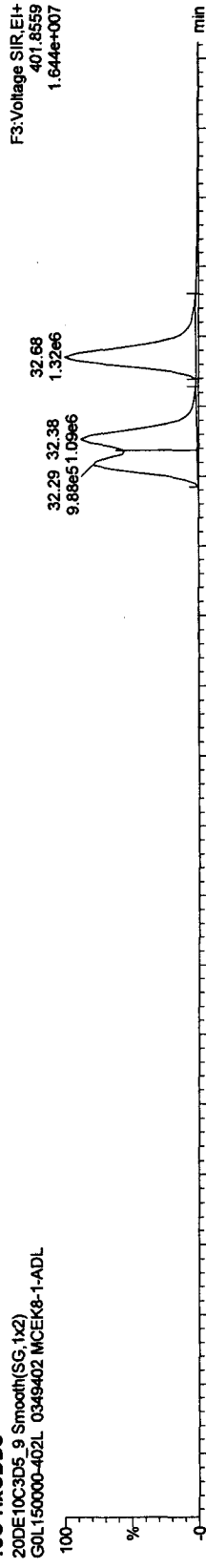
13C-HxCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



13C-HxCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



13C-HxCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

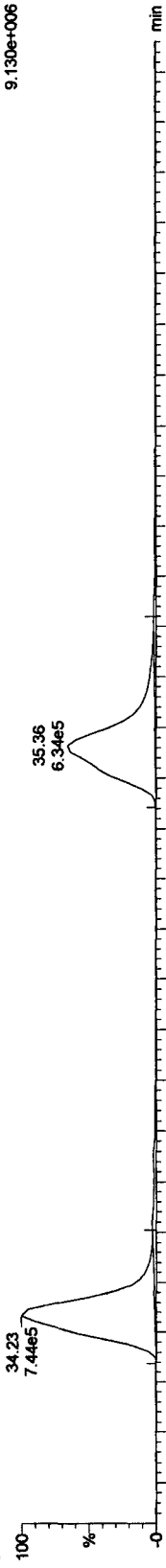
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

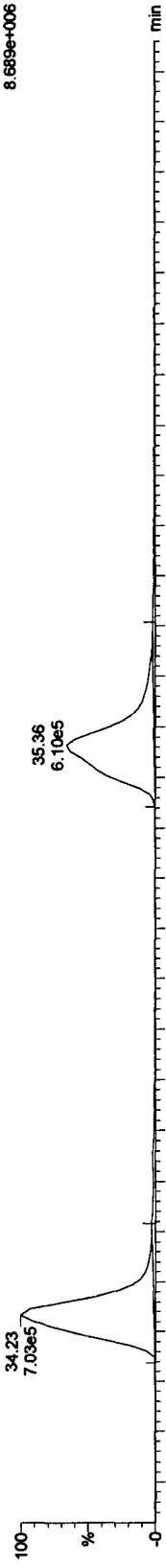
HpCDFs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



F4:Voltage SIR.EI+
407.7818
9.130e+006

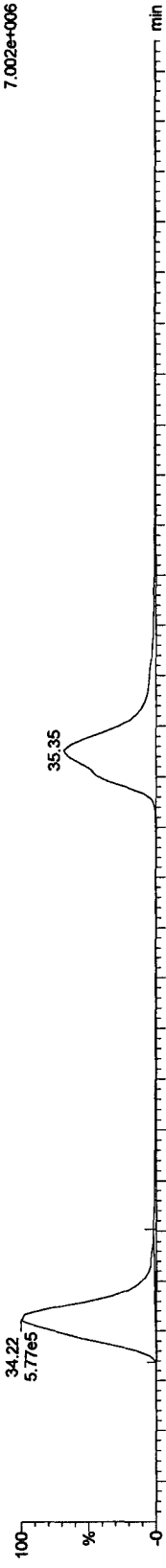
20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



F4:Voltage SIR.EI+
409.7789
8.689e+006

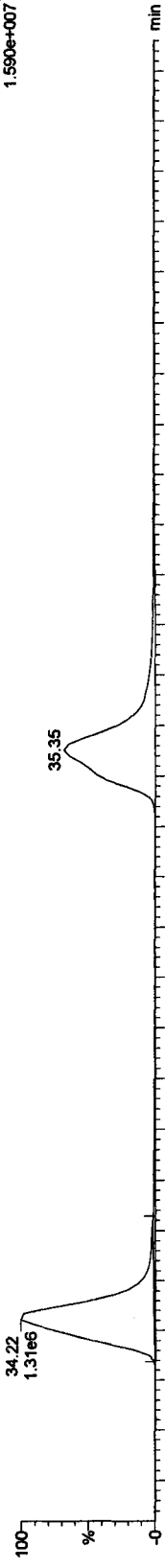
13C-HpCDFs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



F4:Voltage SIR.EI+
417.8253
7.002e+006

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



F4:Voltage SIR.EI+
419.8220
1.590e+007

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qtd

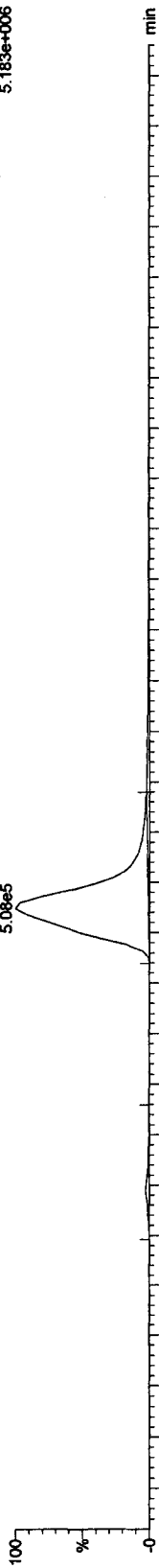
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

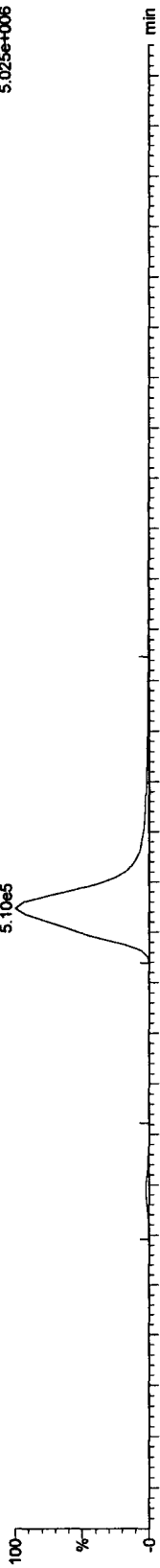
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HpCDDs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

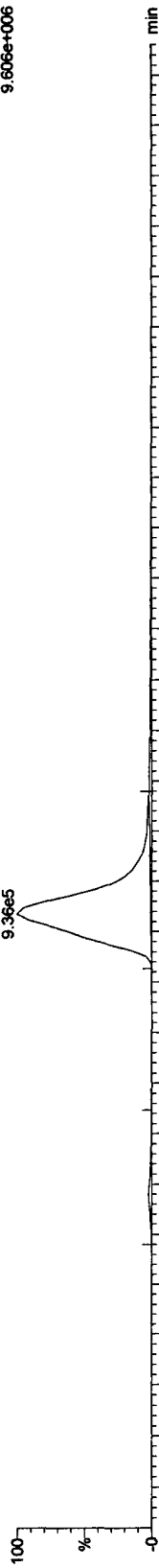


20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

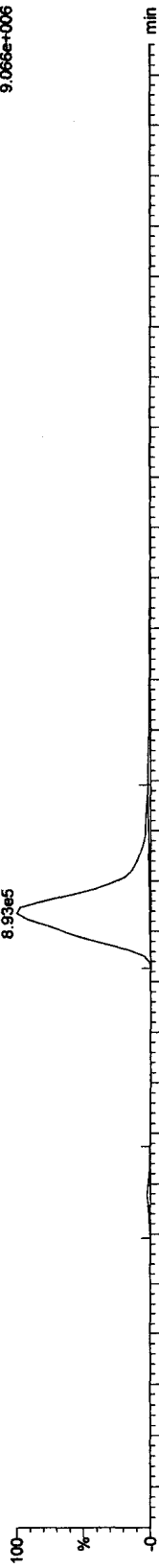


13C-HpCDD

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

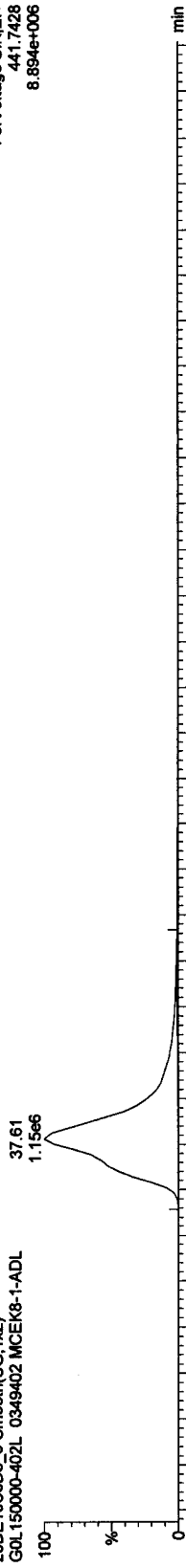
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

OCDFs

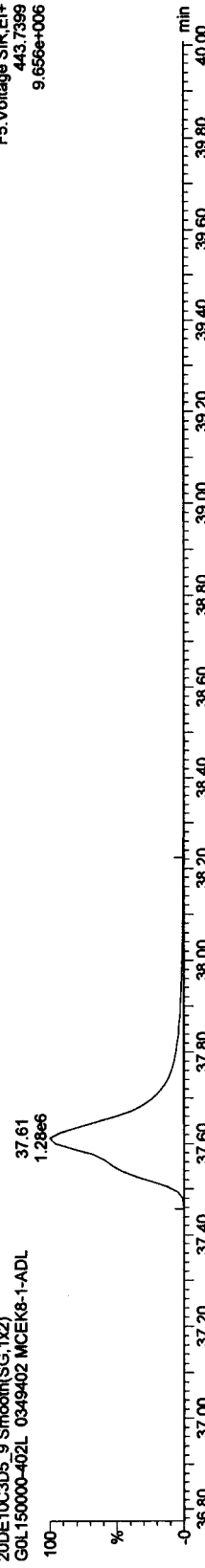
F5:Voltage SIR,EI+
441.7428
8.894e+006

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

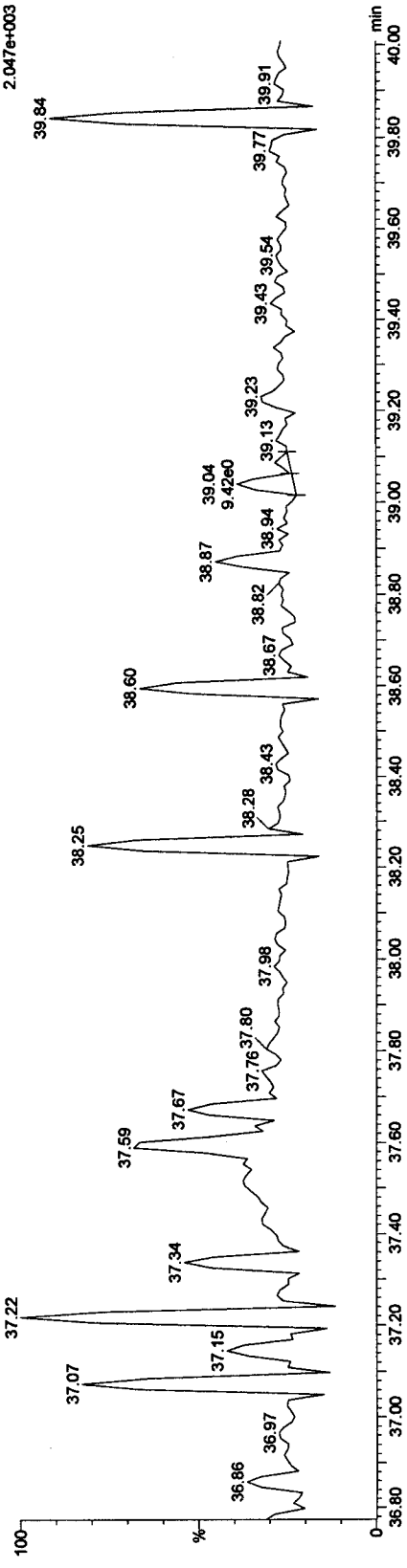
F5:Voltage SIR,EI+
443.7399
9.656e+006



OCDF PCDPE

F5:Voltage SIR,EI+
513.67750
2.047e+003

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\20DE10C3D5TO9F.qld

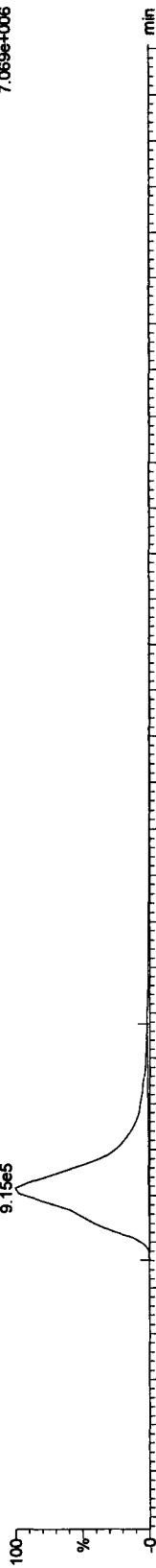
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

OCDD

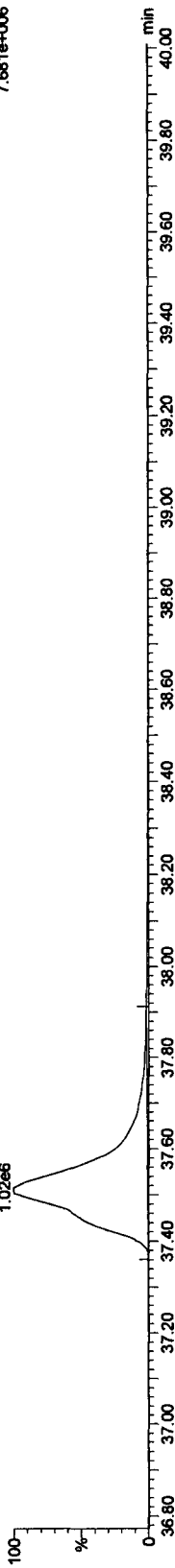
20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

F5:Voltage SIR.EI+
457.7377
7.069e+006



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

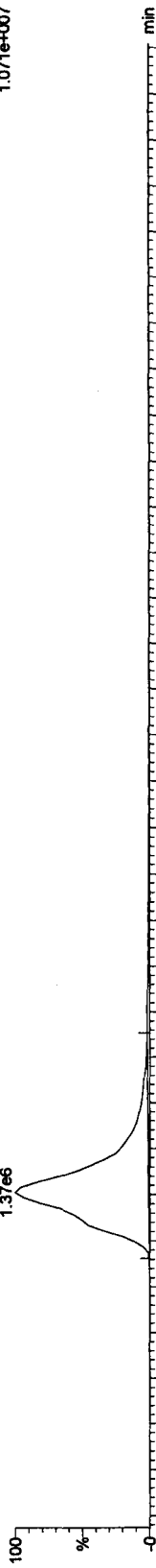
F5:Voltage SIR.EI+
459.7348
7.681e+006



13C-OCDD

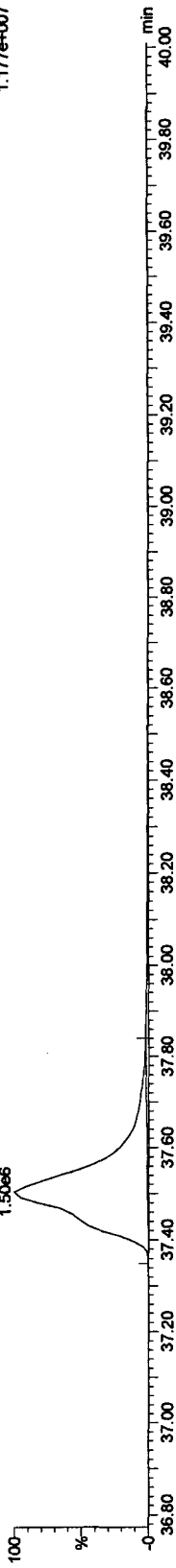
20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

F5:Voltage SIR.EI+
469.7779
1.071e+007



20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

F5:Voltage SIR.EI+
471.7750
1.177e+007



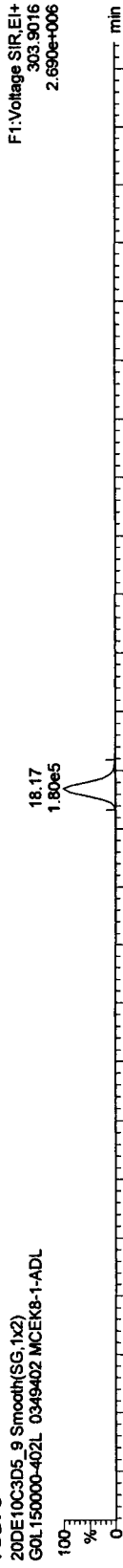
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

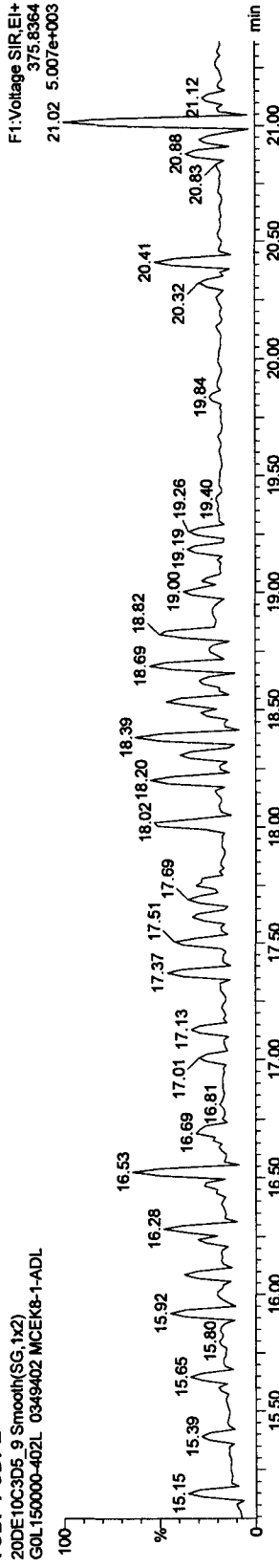
Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

TCDFs

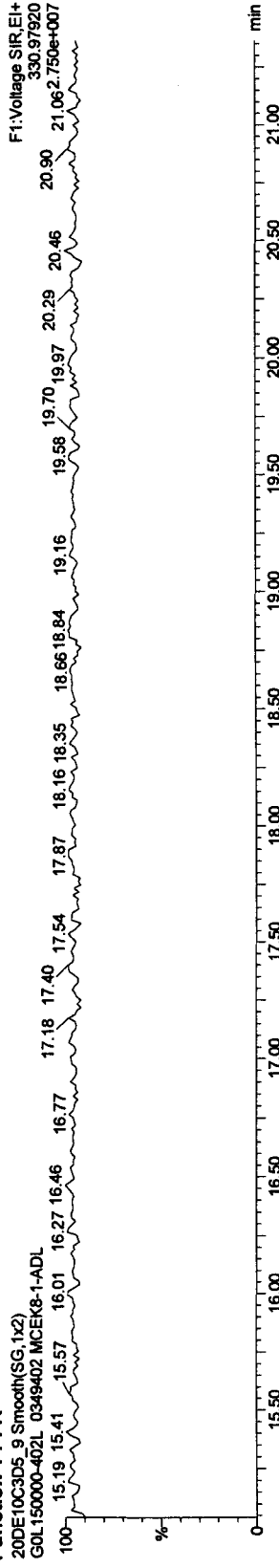


20DE10C3D5_9 Smooth(SG, 1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

TCDF PCDPE



Function 1 PFK



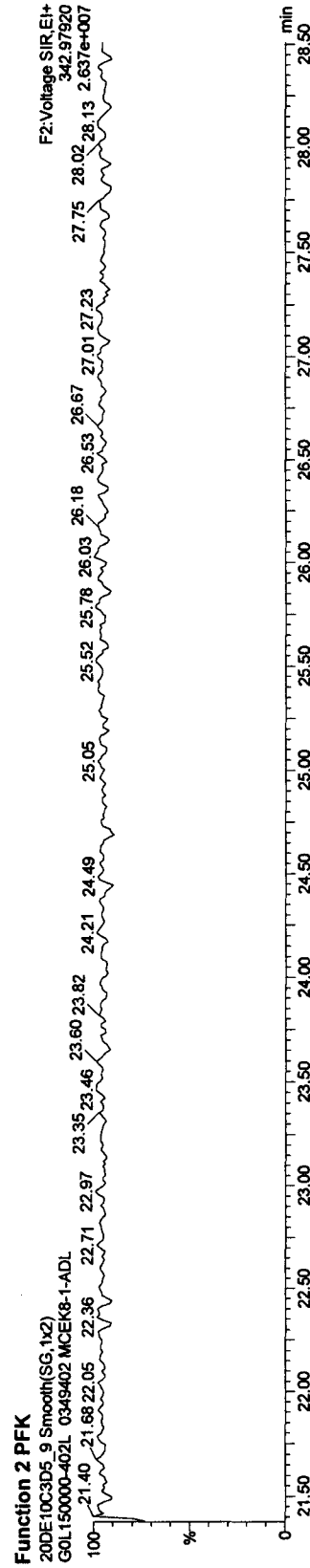
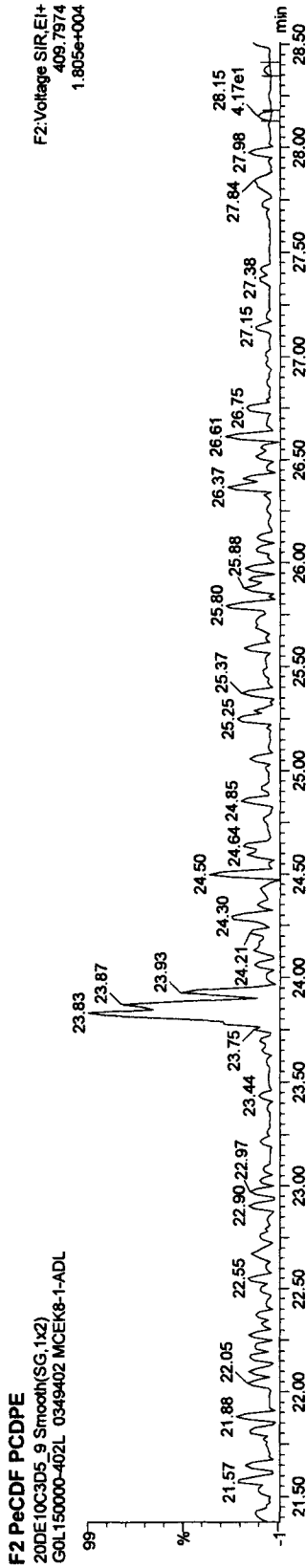
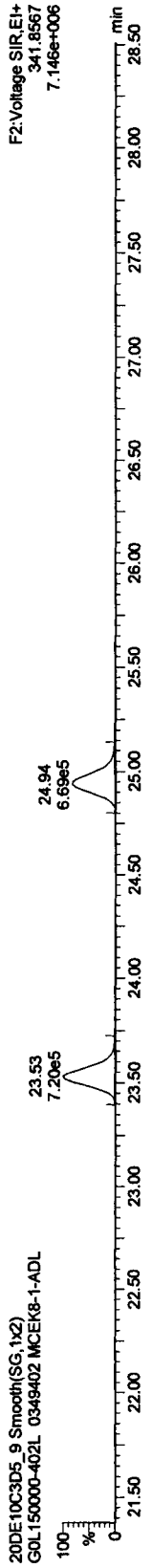
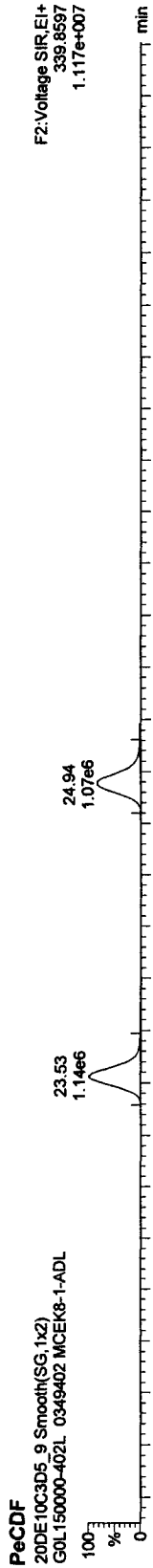
20DE10C3D5_9 Smooth(SG, 1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402



Quantify Sample Report MassLynx 4.1

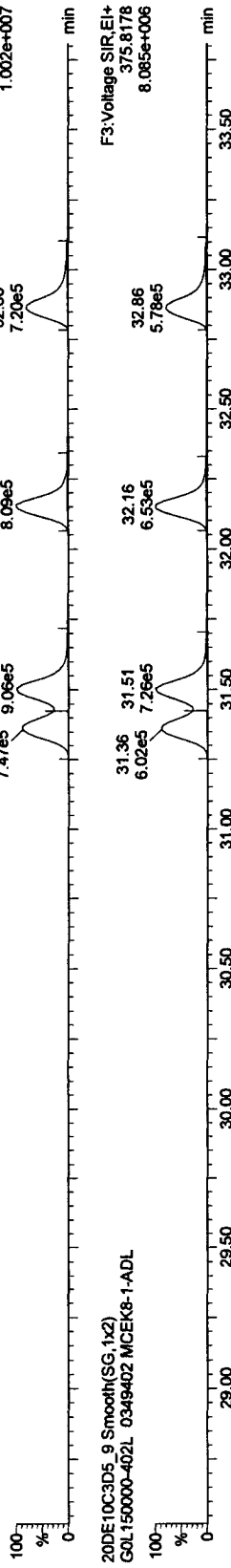
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

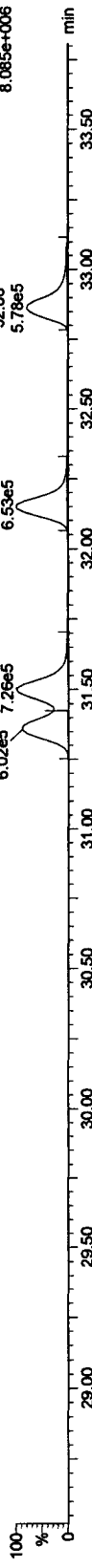
Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

HxCDFs

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

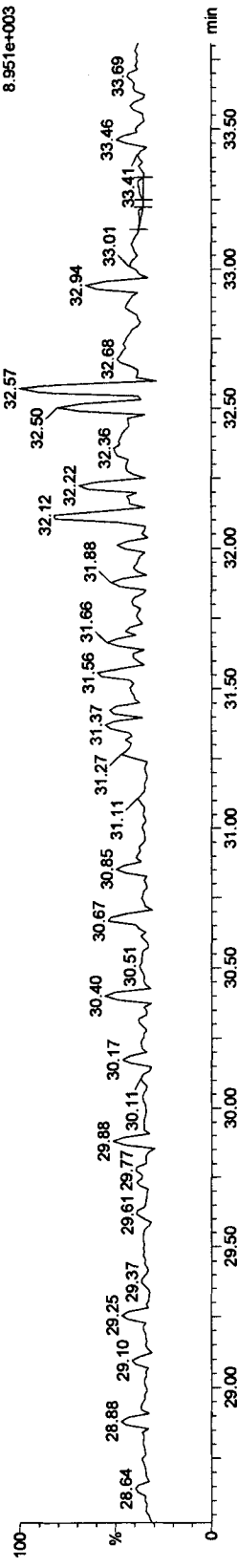


20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



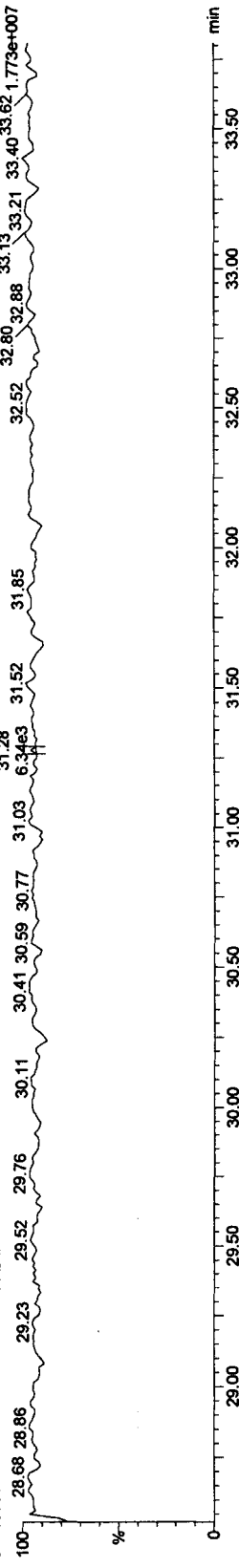
HxCDF PCDFE

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Function 3 PFK

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL

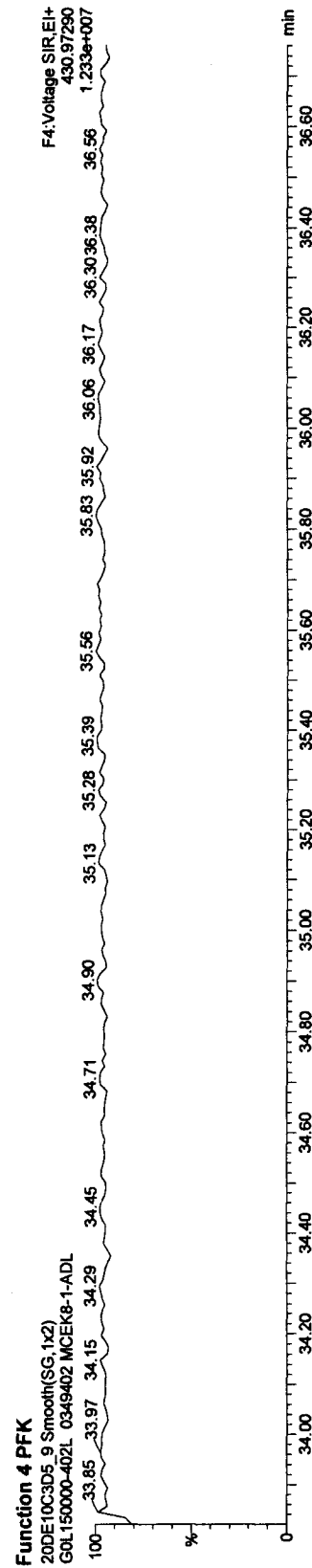
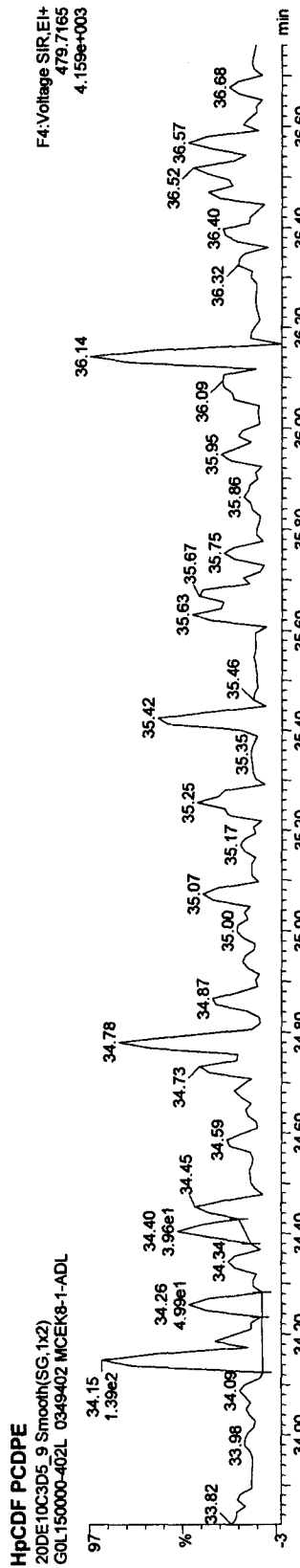
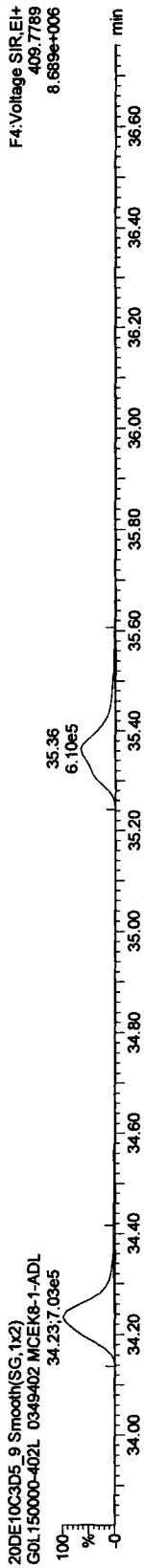
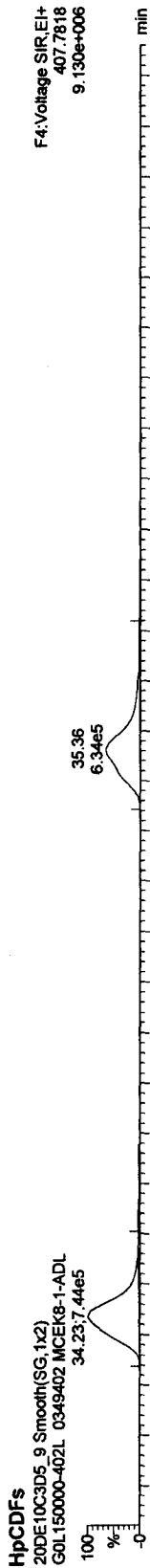


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

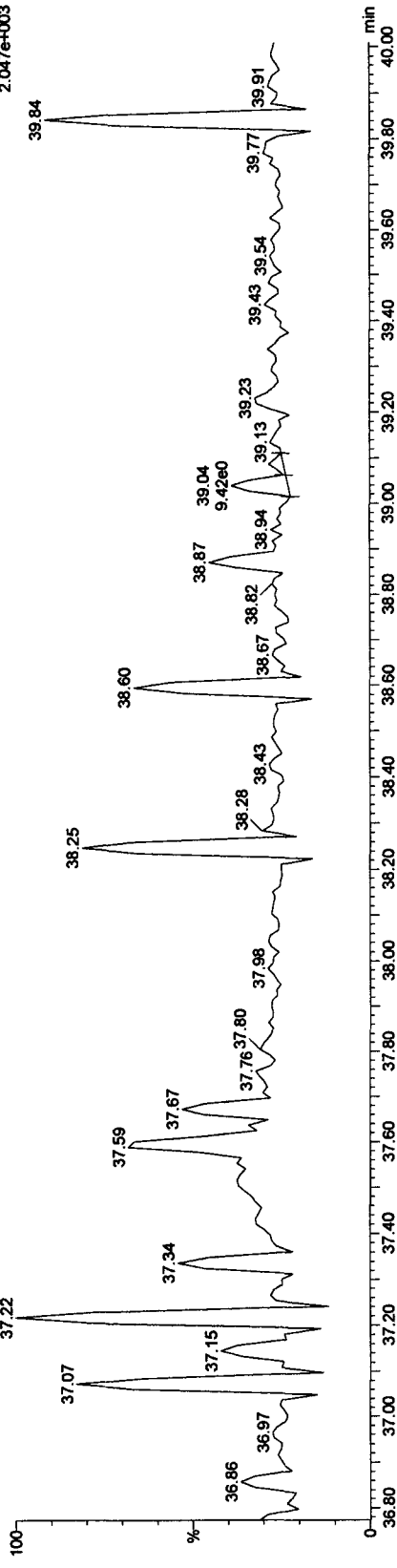
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_9, Date: 20-Dec-2010, Time: 23:15:37, ID: MCEK8-1-ADL, Description: GOL150000-402L 0349402

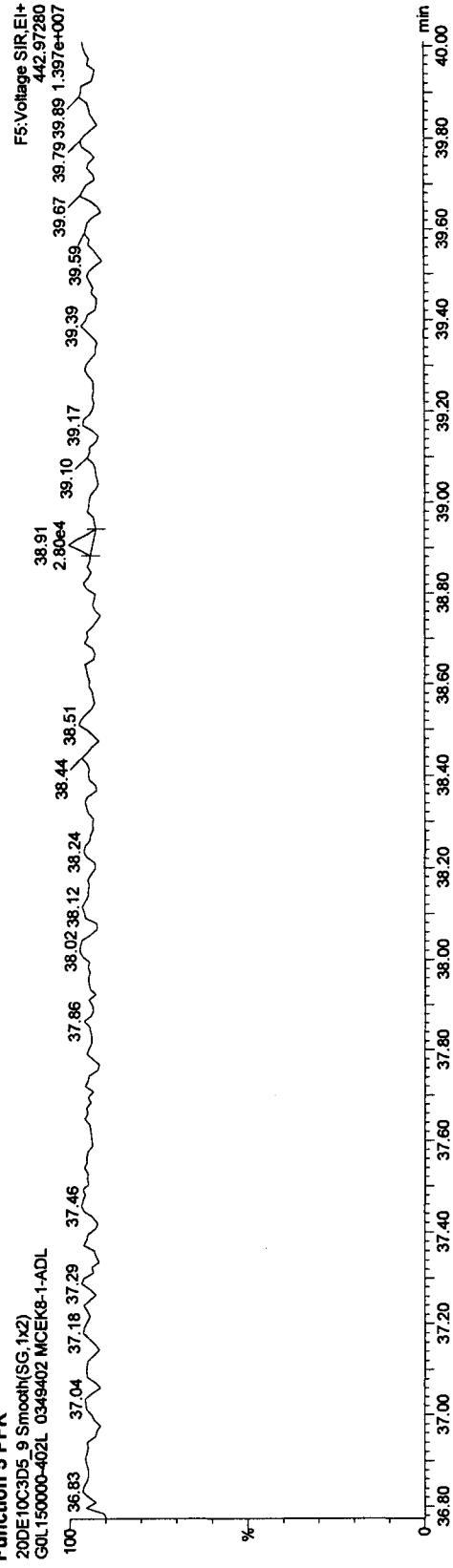
OCDF PCDPE

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Function 5 PFK

20DE10C3D5_9 Smooth(SG,1x2)
GOL150000-402L 0349402 MCEK8-1-ADL



Datset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 09:50:40 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 09:50:56 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
 Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\NCA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

05-21-10

# Name	Quan Trace	Sample Size	RT	Pred RT	RRF M ₁	Abs Resp	Comp.	EMPC %Rec	EDL	Ratio	Prd Ratio	Ra	Flag	Mod Date
1 13C-1,2,3,4-TCDD	331.9368	0.50000	18.70	18.69	1.000	2245964.94	4000.0000	100.0	2.4781	0.768	0.770		NO	
2														
3 13C-2,3,7,8-TCDF	315.9419	0.50000	18.13	18.17	1.330	2730344.63	3656.3198	91.4	2.0154	0.799	0.770		NO	
4 2,3,7,8-TCDF	303.9016	0.50000	18.16	18.14	0.972	18485.15	27.8753	100.0	1.0366	0.803	0.770		NO	
5 Total TCDFs	303.9016	0.50000		21.44	0.972		138.1573		1.0366					
6														
7 13C-2,3,7,8-TCDD	331.9368	0.50000	18.90	18.91	0.890	1823949.69	3650.1964	91.3	2.7946	0.765	0.770		NO	
8 2,3,7,8-TCDD	319.8965	0.50000	18.90	18.90	1.009	662.95	1.4412	100.0	0.8135	0.770	0.770		YES	21-Dec-10
9 Total TCDDs	319.8965	0.50000		19.55	1.009		13.7277		0.8135					
10														
11 37CL-2,3,7,8-TCDD	327.8947	0.50000	18.91	18.90	0.649	499645.16	1687.3044	105.5	2.1968					
12														
13 13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.50	23.54	0.971	2196825.06	4030.5712	100.8	4.4996	1.588	1.550		NO	
14 1,2,3,7,8-PeCDF	339.8597	0.50000	23.52	23.53	1.069	11117.67	18.9345	100.0	1.422	1.550	1.550		NO	
15 2,3,4,7,8-PeCDF	339.8597	0.50000	24.96	24.95	1.028	5742.40	10.1668	100.0	1.394	1.550	1.550		NO	
16 Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		134.3964		1.3566					
17 Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		7.9000		0.6733					
18														
19 13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.71	25.75	0.715	1584517.69	3945.5775	98.6	3.7410	1.529	1.550		NO	
20 1,2,3,7,8-PeCDD	355.8546	0.50000		25.74	0.884				1.3959	1.550	1.550			
21 Total PeCDDs	355.8546	0.50000		31.10	0.884		13.3176		1.3959					
22														
23 13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.69	32.74	1.000	1815337.56	4000.0000	100.0	3.2572	1.274	1.240		NO	
24														
25 13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.36	31.38	1.084	1784624.13	3626.2905	90.7	6.0970	0.516	0.510		NO	
26 1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.37	31.38	1.219	19088.68	35.1123	100.0	0.8487	1.206	1.240		NO	21-Dec-10
27 1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.52	31.51	1.396	15301.53	24.5630	100.0	0.7407	1.252	1.240		NO	
28 2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.17	32.15	1.237	4336.51	7.8544	100.0	0.8357	1.188	1.240		NO	
29 1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.88	32.86	1.078	1684.26	3.5012	100.0	0.9592	1.342	1.240		NO	
30 Total HxCDFs	373.8208	0.50000		0.00	1.233		177.7782		0.8390					

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Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 09:50:40 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 09:50:56 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

# Name	Quan Trace	Sample Size	RT	Pred. RT	RIFF 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	32.40	0.894	1542106.50	3798.7840	3798.7840 95.0	3.6414	1.273	1.240		NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.33	1.028	685.71	1.7307	1.7307	0.5911	1.258	1.240		NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.42	1.111	1344.27	3.1398	2.7004	0.5470	0.909	1.240		YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.69	1.113	2018.71	4.7056	4.7056	0.5459	1.329	1.240		NO	
36	Total HxCDDs	389.8157	0.50000	0.00	1.084		32.7795	30.6075	0.5606					
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.23	0.881	1475863.72	3692.0440	3692.0440 92.3	12.5179	0.443	0.440		NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.25	1.402	56716.71	109.6679	109.6679	0.9702	1.025	1.040		NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.36	1.199	15534.61	35.1118	35.1118	1.1341	1.008	1.040		NO	
41	Total HpCDFs	407.7818	0.50000	0.00	1.300		202.9989	202.9989	1.0458					
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.05	0.857	1368871.00	3517.8718	3517.8718 87.9	6.1675	1.053	1.040		NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.06	0.981	12306.41	36.6541	33.8890	0.9874	1.206	1.040		YES	
45	Total HpCDDs	423.7766	0.50000	-0.02	0.981		75.0091	72.2440	0.9874					
46														
47	13C-OCDD	469.7779	0.50000	37.52	0.643	2121070.56	7266.6546	7266.6546 90.8	9.5663	0.920	0.890		NO	
48	OCDF	441.7428	0.50000	37.63	1.477	92993.43	237.4590	237.4590	1.4406	0.877	0.890		NO	
49	OCDD	457.7377	0.50000	37.53	1.196	27780.61	87.5936	87.5936	1.0267	0.979	0.890		NO	
50														
51														
52	Function 1 PFK	330.97920	1.00000	0.00										
53	Function 2 PFK	342.97920	1.00000	0.00										
54	Function 3 PFK	380.97600	1.00000	0.00										
55	Function 4 PFK	430.97290	1.00000	0.00										
56	Function 5 PFK	442.97280	1.00000	0.00										
57	TCDF PCDFE	375.8364	1.00000	20.20	17.814	7.69	0.4319	43.2	1.4718					
58	F1 PeCDF PCDFE	409.79740	1.00000	19.31	97.109				0.0000					
59	F2 PeCDF PCDFE	409.7974	1.00000	28.29	51.063				0.0000					
60	HxCDF PCDFE	445.7555	1.00000	33.24	21.191				0.0000					
61	HPCDF PCDFE	479.7165	1.00000	34.27	39.173				0.0000					
62	OCDF PCDFE	513.67750	1.00000	39.16	27.302	46.77	1.7129	171.3	0.6502					

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 09:50:40 Pacific Standard Time

Printed: Tuesday, December 21, 2010 09:50:56 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PROMethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

Total TCDFs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	5 Total TCDFs	303.9016	16.39	14554.966	21.9486	21.9486	0.97151	1.0366	0.729	0.770	NO	68.238	
2	5 Total TCDFs	303.9016	16.10	716.210	1.0800	0.9864	0.97151	1.0366	0.938	0.770	YES	4.306	
3	5 Total TCDFs	303.9016	15.92	1103.409	1.6639	1.5467	0.97151	1.0366	0.904	0.770	YES	5.079	
4	5 Total TCDFs	303.9016	15.57	2686.440	4.0511	3.7197	0.97151	1.0366	0.928	0.770	YES	15.473	
5	5 Total TCDFs	303.9016	20.09	1111.029	1.6754	1.6754	0.97151	1.0366	0.684	0.770	NO	5.919	
6	5 Total TCDFs	303.9016	18.88	1706.893	2.5740	2.5740	0.97151	1.0366	0.770	0.770	NO	5.844	
7	5 Total TCDFs	303.9016	18.61	2621.107	3.9526	3.9526	0.97151	1.0366	0.737	0.770	NO	12.262	
8	4 2,3,7,8-TCDF	303.9016	18.16	18485.154	27.8753	27.8753	0.97151	1.0366	0.803	0.770	NO	76.618	
9	5 Total TCDFs	303.9016	17.96	1631.571	2.4604	1.7642	0.97151	1.0366	<u>1.469</u>	0.770	YES	6.114	
10	5 Total TCDFs	303.9016	17.75	10466.718	15.7836	15.7836	0.97151	1.0366	0.769	0.770	NO	51.738	
11	5 Total TCDFs	303.9016	17.57	6678.063	10.0704	10.0704	0.97151	1.0366	0.713	0.770	NO	28.248	
12	5 Total TCDFs	303.9016	17.48	8555.065	12.9009	12.9009	0.97151	1.0366	0.766	0.770	NO	34.923	
13	5 Total TCDFs	303.9016	17.19	8173.468	12.3254	12.3254	0.97151	1.0366	0.878	0.770	NO	38.901	
14	5 Total TCDFs	303.9016	16.95	5583.421	8.4197	7.8094	0.97151	1.0366	0.908	0.770	YES	20.410	
15	5 Total TCDFs	303.9016	16.65	7543.803	11.3759	10.2372	0.97151	1.0366	0.643	0.770	YES	31.736	

Total TCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	9 Total TCDDs	319.8965	17.19	141.689	0.3080	0.0309	1.00877	0.8135	0.055	0.770	YES	2.845	
2	9 Total TCDDs	319.8965	16.86	1581.760	3.4387	<u>3.4387</u>	1.00877	0.8135	0.861	0.770	NO	14.537	
3	9 Total TCDDs	319.8965	16.56	853.161	1.8548	<u>1.5558</u>	1.00877	0.8135	1.110	0.770	YES	8.071	
4	9 Total TCDDs	319.8965	21.18	537.423	1.1683	0.9270	1.00877	0.8135	1.231	0.770	YES	3.922	
5	9 Total TCDDs	319.8965	19.26	317.769	0.6908	0.3607	1.00877	0.8135	0.294	0.770	YES	4.213	
6	8 2,3,7,8-TCDD	319.8965	18.90	662.945	1.4412	0.8692	1.00877	0.8135	0.356	0.770	YES	7.321	
7	9 Total TCDDs	319.8965	18.76	794.837	1.7280	1.4114	1.00877	0.8135	1.167	0.770	YES	7.040	
8	9 Total TCDDs	319.8965	18.14	356.677	0.7754	0.4576	1.00877	0.8135	1.999	0.770	YES	2.172	
9	9 Total TCDDs	319.8965	17.70	1068.268	2.3224	<u>1.7869</u>	1.00877	0.8135	0.503	0.770	YES	12.218	

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 09:50:40 Pacific Standard Time

Printed: Tuesday, December 21, 2010 09:50:56 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: G0L140439-2 0349402

Total F2 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Prd.Pa...	Ratio...	S/N
1	1. Total F2 PeCD...	339.8597	22.33	3284.268	5.7019	5.7019	1.04877	1.3566	1.635	1.550	NO	10.635
2	1. Total F2 PeCD...	339.8597	22.07	24285.609	42.1631	42.1631	1.04877	1.3566	1.577	1.550	NO	73.706
3	1. Total F2 PeCD...	339.8597	21.87	5552.638	9.6401	9.6401	1.04877	1.3566	1.668	1.550	NO	19.912
4	1. Total F2 PeCD...	339.8597	25.30	3535.167	6.1375	6.1375	1.04877	1.3566	1.448	1.550	NO	7.493
5	1. 2,3,4,7,8-PeCDF	339.8597	24.96	5742.402	10.1668	10.1668	1.02843	1.3834	1.394	1.550	NO	17.182
6	1. Total F2 PeCD...	339.8597	24.10	5956.717	10.3417	10.3417	1.04877	1.3566	1.686	1.550	NO	16.711
7	1. Total F2 PeCD...	339.8597	23.82	1203.820	2.0900	1.3092	1.04877	1.3566	3.071	1.550	YES	7.214
8	1. 1,2,3,7,8-PeCDF	339.8597	23.52	11117.674	18.9345	18.9345	1.06912	1.3308	1.422	1.550	NO	37.821
9	1. Total F2 PeCD...	339.8597	23.38	3557.382	6.1761	5.4478	1.04877	1.3566	1.891	1.550	YES	12.212
10	1. Total F2 PeCD...	339.8597	23.03	7986.086	13.8649	13.8649	1.04877	1.3566	1.507	1.550	NO	24.358
11	1. Total F2 PeCD...	339.8597	22.92	2906.438	5.0460	4.0622	1.04877	1.3566	2.168	1.550	YES	11.957
12	1. Total F2 PeCD...	339.8597	22.60	2380.969	4.1337	4.1337	1.04877	1.3566	1.775	1.550	NO	9.214

Total F1 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Prd.Pa...	Ratio...	S/N
1	1. Total F1 PeCD...	339.8597	20.41	4550.352	7.9000	7.9000	1.04877	0.6733	1.574	1.550	NO	25.453

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Prd.Pa...	Ratio...	S/N
1	2. Total PeCDDs	355.8546	24.65	155.149	0.4430	0.3252	0.88408	1.3959	2.474	1.550	YES	3.049
2	2. Total PeCDDs	355.8546	24.16	945.509	2.6998	2.4239	0.88408	1.3959	1.201	1.550	YES	15.219
3	2. Total PeCDDs	355.8546	23.83	298.500	0.8523	0.2565	0.88408	1.3959	0.224	1.550	YES	7.265
4	2. Total PeCDDs	355.8546	23.50	1482.401	4.2329	3.7008	0.88408	1.3959	1.917	1.550	YES	12.401
5	2. Total PeCDDs	355.8546	22.29	1782.398	5.0895	5.0895	0.88408	1.3959	1.324	1.550	NO	23.127

Total HxCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Prd.Pa...	Ratio...	S/N
1	3. Total HxCDFs	373.8208	30.21	665.616	1.2103	0.6020	1.23262	0.8390	0.380	1.240	YES	5.122
2	3. Total HxCDFs	373.8208	29.91	19626.345	35.6881	35.6881	1.23262	0.8390	1.272	1.240	NO	52.700
3	3. Total HxCDFs	373.8208	29.56	11525.748	20.9581	20.9581	1.23262	0.8390	1.179	1.240	NO	29.678
4	3. Total HxCDFs	373.8208	32.96	3894.994	7.0826	7.0826	1.23262	0.8390	1.258	1.240	NO	14.797
5	2. 1,2,3,7,8,9-Hx...	373.8208	32.88	1684.257	3.5012	3.5012	1.07822	0.9592	1.342	1.240	NO	12.888
6	2. 2,3,4,6,7,8-Hx...	373.8208	32.17	4336.511	7.8544	7.8544	1.23749	0.8357	1.188	1.240	NO	19.054
7	3. Total HxCDFs	373.8208	32.08	3011.798	5.4766	5.4766	1.23262	0.8390	1.308	1.240	NO	19.874
8	3. Total HxCDFs	373.8208	31.89	5036.252	9.1578	8.0321	1.23262	0.8390	1.554	1.240	YES	19.800
9	3. Total HxCDFs	373.8208	31.65	5861.242	10.6579	10.6579	1.23262	0.8390	1.212	1.240	NO	25.402
10	2. 1,2,3,6,7,8-Hx...	373.8208	31.52	15301.533	24.5630	24.5630	1.39626	0.7407	1.252	1.240	NO	64.328
11	2. 1,2,3,4,7,8-Hx...	373.8208	31.37	19088.680	35.1123	35.1123	1.21851	0.8487	1.206	1.240	NO	93.838
12	3. Total HxCDFs	373.8208	30.80	2305.469	4.1922	3.7756	1.23262	0.8390	1.487	1.240	YES	9.051
13	3. Total HxCDFs	373.8208	30.52	3163.398	5.7522	5.7522	1.23262	0.8390	1.176	1.240	NO	10.732
14	3. Total HxCDFs	373.8208	31.33	3613.905	6.5714	6.5714	1.23262	0.8390	1.150	1.240	NO	45.915

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 09:50:40 Pacific Standard Time

Printed: Tuesday, December 21, 2010 09:50:56 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: G0L140439-2 0349402

#	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	30.72	2728.448	6.5309	6.5309	1.08365	0.5606	1.183	1.240	NO	26.582	
2	3. 1,2,3,7,8,9-Hx...	389.8157	32.69	2018.713	4.7056	4.7056	1.11276	0.5459	1.329	1.240	NO	22.119	
3	3. 1,2,3,6,7,8-Hx...	389.8157	32.42	1344.266	3.1398	2.7004	1.11052	0.5470	0.909	1.240	YES	20.150	
4	3. 1,2,3,4,7,8-Hx...	389.8157	32.33	685.706	1.7307	1.7307	1.02768	0.5911	1.258	1.240	NO	10.625	
5	3. Total HxCDDs	389.8157	31.69	4560.993	10.9173	10.9173	1.08365	0.5606	1.213	1.240	NO	49.677	
6	3. Total HxCDDs	389.8157	31.41	2404.359	5.7551	4.0226	1.08365	0.5606	2.205	1.240	YES	22.913	

#	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	35.36	15534.613	35.1118	35.1118	1.19912	1.1341	1.008	1.040	NO	96.187	
2	4. Total HpCDFs	407.7818	34.56	16369.988	34.1183	34.1183	1.30039	1.0458	0.988	1.040	NO	116.868	
3	4. Total HpCDFs	407.7818	34.44	11563.668	24.1010	24.1010	1.30039	1.0458	0.972	1.040	NO	86.179	
4	3. 1,2,3,4,6,7,8-H...	407.7818	34.25	56716.709	109.6679	109.66...	1.40167	0.9702	1.025	1.040	NO	427.651	

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	35.06	12306.409	36.6541	33.8890	0.98108	0.9874	1.206	1.040	YES	123.988	
2	4. Total HpCDDs	423.7766	34.49	12877.478	38.3550	38.3550	0.98108	0.9874	1.143	1.040	NO	142.117	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
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Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402, Task:

# Name	Trace	Sample Size	RT	Ptd 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	18.70	18.69	1.00000	2245964.94	4000.0000	4000.0000	100.0	2.47809	0.77	NO	
2													
3 13C-2,3,7,8-TCDF	315.9419	0.500	18.13	18.17	1.32993	2730344.63	3656.3198	3656.3198	91.4	2.01536	0.80	NO	
4 2,3,7,8-TCDF	303.9016	0.500	18.16	18.14	0.97151	18485.15	27.8753	27.8753	1.03660	1.03660	0.80	NO	
5 Total TCDFs	303.9016	0.500	21.44	0.97151		136.3325	132.0319	132.0319		1.03660			
13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.88993	1823949.69	3650.1964	3650.1964	91.3	2.78460	0.76	NO	
2,3,7,8-TCDD	319.8965	0.500	18.90	18.93	1.00877	430.27	0.9354	0.9354		0.81354	0.68	NO	
Total TCDDs	319.8965	0.500	19.55	1.00877		14.0632	11.7646	11.7646		0.81354			
37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.64940	499645.16	1687.3044	0.0000	105.5	2.19680			
13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.54	0.97070	2196825.06	4030.5712	4030.5712	100.8	4.49961	1.59	NO	
1,2,3,7,8-PeCDF	339.8597	0.500	23.52	23.53	1.06912	11117.67	18.9345	18.9345		1.33078	1.42	NO	
2,3,4,7,8-PeCDF	339.8597	0.500	24.96	24.95	1.02843	5742.40	10.1668	10.1668		1.38343	1.39	NO	
Total F2 PeCDFs	339.8597	0.500	34.47	1.04877		131.0229	126.5273	126.5273		1.35659			
Total F1 PeCDFs	339.8597	0.500	36.56	1.04877		7.9000	7.9000	7.9000		0.67331			
13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.71	25.75	0.71523	1584517.69	3945.5775	3945.5775	98.6	3.74103	1.53	NO	
1,2,3,7,8-PeCDD	355.8546	0.500	25.74	0.88408						1.39593		NO	
Total PeCDDs	355.8546	0.500	31.10	0.88408		10.8695	8.9377	8.9377		1.39593			
22													
13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.69	32.74	1.00000	1815337.56	4000.0000	4000.0000	100.0	3.25719	1.27	NO	
24													
13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.36	31.38	1.08439	1784624.13	3626.2905	3626.2905	90.7	6.08698	0.52	NO	
2,3,4,7,8-HxCDF	373.8208	0.500	31.37	31.38	1.21851	22689.63	41.7360	41.7360		0.84874	1.21	NO	
1,2,3,6,7,8-HxCDF	373.8208	0.500	31.52	31.51	1.39626	15301.53	24.5630	24.5630		0.74069	1.25	NO	
2,3,4,6,7,8-HxCDF	373.8208	0.500	32.17	32.15	1.23749	4336.51	7.8544	7.8544		0.83572	1.19	NO	
1,2,3,7,8,9-HxCDF	373.8208	0.500	32.88	32.86	1.07822	1684.26	3.5012	3.5012		0.95917	1.34	NO	
Total HxCDFs	373.8208	0.500	0.00	1.23262		174.9925	169.7649	169.7649		0.83902			
13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.40	32.40	0.89448	1542106.50	3798.7840	3798.7840	95.0	3.64142	1.27	NO	
1,2,3,4,7,8-HxCDD	389.8157	0.500	32.33	32.33	1.02768	685.71	1.7307	1.7307		0.59108	1.26	NO	
1,2,3,6,7,8-HxCDD	389.8157	0.500	32.42	32.41	1.11052	1344.27	2.7004	2.7004		0.54699	0.91	YES	
1,2,3,7,8,9-HxCDD	389.8157	0.500	32.69	32.70	1.11276	2018.71	4.7056	4.7056		0.54589	1.33	NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402, 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	1.08365		32.7795	30.6075		0.56055			
37													
38 13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.23	34.22	0.88081	1475863.72	3692.0440	3692.0440	92.3	12.51788	0.44	NO	
39 1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.25	34.25	1.40167	56716.71	109.6679	109.6679		0.97024	1.03	NO	
40 1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.35	1.19912	15534.61	35.1118	35.1118		1.13413	1.01	NO	
41 Total HpCDFs	407.7818	0.500		0.00	1.30039		202.9989	202.9989		1.04580			
42													
43 13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.02	0.85740	1368871.00	3517.8718	3517.8718	87.9	6.16750	1.05	NO	
44 1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.06	35.06	0.98108	12306.41	36.6541	33.8890		0.98741	1.21	YES	
45 Total HpCDDs	423.7766	0.500		-0.02	0.98108		75.0091	72.2440		0.98741			
46													
47 13C-OCDD	469.7779	0.500	37.52	37.45	0.64317	2121070.56	7266.6546	7266.6546	90.8	9.56630	0.92	NO	
48 OCDF	441.7428	0.500	37.62	37.62	1.47706	92993.43	237.4590	237.4590		1.44062	0.88	NO	
49 OCDD	457.7377	0.500	37.53	37.53	1.19620	27780.61	87.5936	87.5936		1.02671	0.98	NO	
50													
51													
52 Function 1 PFK	330.97920	1.000		0.00									
53 Function 2 PFK	342.97920	1.000		0.00									
54 Function 3 PFK	380.97600	1.000		0.00									
55 Function 4 PFK	430.97290	1.000		0.00									
56 Function 5 PFK	442.97280	1.000		0.00									
57 TCDF PCDFE	375.8364	1.000	20.20	20.25	17.814...	7.69	0.4319		43.2	1.47178			
58 F1 PeCDF PCDFE	409.79740	1.000		19.31	97.109...					0.00000			
59 F2 PeCDF PCDFE	409.7974	1.000		28.29	51.062...					0.00000			
60 HxCDF PCDFE	445.7555	1.000		33.24	21.190...					0.00000			
61 HPCDF PCDFE	479.7165	1.000		34.27	39.173...					0.00000			
62 OCDF PCDFE	513.67750	1.000	39.16	39.16	27.302...	46.77	1.7129		171.3	0.65015			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402, Task:

Total TCDFs

#	Name	Time	RT	Abs Resp	Conc	EMPO	RF Mean	EDI	Ratio	EDL	Ratio	EDL	Ratio	EDL
1	5 Total TCDFs	303.9016	16.39	12519.571	18.8793	18.8793	0.97151	1.0366	0.740	0.770	NO	68.028		
2	5 Total TCDFs	303.9016	16.10	716.210	1.0800	0.9864	0.97151	1.0366	0.938	0.770	YES	4.306		
3	5 Total TCDFs	303.9016	15.92	1103.409	1.6639	1.5467	0.97151	1.0366	0.904	0.770	YES	5.079		
4	5 Total TCDFs	303.9016	15.57	2686.440	4.0511	3.7197	0.97151	1.0366	0.928	0.770	YES	15.473		
5	5 Total TCDFs	303.9016	20.09	1111.029	1.6754	1.6754	0.97151	1.0366	0.684	0.770	NO	5.919		
6	5 Total TCDFs	303.9016	18.88	1706.893	2.5740	2.5740	0.97151	1.0366	0.770	0.770	NO	5.844		
7	5 Total TCDFs	303.9016	18.61	2621.107	3.9526	3.9526	0.97151	1.0366	0.737	0.770	NO	12.262		
8	4 2,3,7,8-TCDF	303.9016	18.16	18485.154	27.8753	27.8753	0.97151	1.0366	0.803	0.770	NO	76.618		
9	5 Total TCDFs	303.9016	17.96	1631.571	2.4604	1.7642	0.97151	1.0366	1.469	0.770	YES	6.114		
10	5 Total TCDFs	303.9016	17.75	10466.718	15.7836	15.7836	0.97151	1.0366	0.769	0.770	NO	51.738		
11	5 Total TCDFs	303.9016	17.57	6678.063	10.0704	10.0704	0.97151	1.0366	0.713	0.770	NO	28.248		
12	5 Total TCDFs	303.9016	17.48	8555.065	12.9009	12.9009	0.97151	1.0366	0.766	0.770	NO	34.923		
13	5 Total TCDFs	303.9016	17.19	8173.468	12.3254	12.3254	0.97151	1.0366	0.878	0.770	NO	38.901		
14	5 Total TCDFs	303.9016	16.95	4452.564	6.7144	4.7910	0.97151	1.0366	1.481	0.770	YES	20.614		
15	5 Total TCDFs	303.9016	16.65	7543.803	11.3759	10.2372	0.97151	1.0366	0.643	0.770	YES	31.736		
16	5 Total TCDFs	303.9016	16.46	1956.185	2.9499	2.9499	0.97151	1.0366	0.781	0.770	NO	11.279		

Total TCDDs

#	Name	Time	RT	Abs Resp	Conc	EMPO	RF Mean	EDI	Ratio	EDL	Ratio	EDL
1	9 Total TCDDs	319.8965	17.19	141.689	0.3080	0.0369	1.00877	0.8135	0.055	0.770	YES	2.845
2	9 Total TCDDs	319.8965	16.86	1581.760	3.4387	3.4387	1.00877	0.8135	0.861	0.770	NO	14.537
3	9 Total TCDDs	319.8965	16.56	853.161	1.8548	1.5558	1.00877	0.8135	1.110	0.770	YES	8.071
4	9 Total TCDDs	319.8965	21.18	537.423	1.1683	0.9270	1.00877	0.8135	1.231	0.770	YES	3.922
5	9 Total TCDDs	319.8965	19.26	317.769	0.6908	0.3607	1.00877	0.8135	0.294	0.770	YES	4.213
6	8 2,3,7,8-TCDD	319.8965	18.90	430.267	0.9354	0.9354	1.00877	0.8135	0.679	0.770	NO	7.413
7	9 Total TCDDs	319.8965	18.79	637.950	1.3869	1.3869	1.00877	0.8135	0.739	0.770	NO	7.040
8	9 Total TCDDs	319.8965	18.76	283.065	0.6154	0.4780	1.00877	0.8135	1.279	0.770	YES	3.337
9	9 Total TCDDs	319.8965	18.66	260.853	0.5671	0.4008	1.00877	0.8135	1.504	0.770	YES	2.480
10	9 Total TCDDs	319.8965	18.14	356.677	0.7754	0.4576	1.00877	0.8135	1.999	0.770	YES	2.172
11	9 Total TCDDs	319.8965	17.70	1068.268	2.3224	1.7869	1.00877	0.8135	0.503	0.770	YES	12.218

Total F2 PeCDFs

#	Name	Time	RT	Abs Resp	Conc	EMPO	RF Mean	EDI	Ratio	EDL	Ratio	EDL
1	... Total F2 PeCD...	339.8597	22.33	3284.268	5.7019	5.7019	1.04877	1.3566	1.635	1.550	NO	10.635
2	... Total F2 PeCD...	339.8597	22.07	24285.609	42.1631	42.1631	1.04877	1.3566	1.577	1.550	NO	73.706
3	... Total F2 PeCD...	339.8597	21.87	5552.638	9.6401	9.6401	1.04877	1.3566	1.668	1.550	NO	19.912
4	... Total F2 PeCD...	339.8597	25.30	2640.113	4.5836	3.4167	1.04877	1.3566	0.828	1.550	YES	7.493
5	... 2,3,4,7,8-PeCDF	339.8597	24.96	5742.402	10.1668	10.1668	1.02843	1.3834	1.394	1.550	NO	17.182
6	... Total F2 PeCD...	339.8597	24.10	4908.647	8.5221	7.6863	1.04877	1.3566	1.214	1.550	YES	16.711
7	... Total F2 PeCD...	339.8597	23.82	1203.820	2.0900	1.3092	1.04877	1.3566	3.071	1.550	YES	7.214
8	... 1,2,3,7,8-PeCDF	339.8597	23.52	11117.674	18.9345	18.9345	1.06912	1.3308	1.422	1.550	NO	37.821
9	... Total F2 PeCD...	339.8597	23.38	3557.382	6.1761	5.4478	1.04877	1.3566	1.891	1.550	YES	12.212
10	... Total F2 PeCD...	339.8597	23.03	7986.086	13.8649	13.8649	1.04877	1.3566	1.507	1.550	NO	24.358
11	... Total F2 PeCD...	339.8597	22.92	2906.438	5.0460	4.0622	1.04877	1.3566	2.168	1.550	YES	11.957
12	... Total F2 PeCD...	339.8597	22.60	2380.969	4.1337	4.1337	1.04877	1.3566	1.775	1.550	NO	9.214

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402, Task:

Total F1 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... Total F1 PeCD...	339.8597	20.41	4550.352	7.9000	7.9000	1.04877	0.6733	1.574	1.550	NO	25.453

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... Total PeCDDs	355.8546	24.65	155.149	0.4430	0.3252	0.88408	1.3959	2.474	1.550	YES	3.049
2	... Total PeCDDs	355.8546	24.16	768.117	2.1933	1.5906	0.88408	1.3959	0.788	1.550	YES	15.219
3	... Total PeCDDs	355.8546	23.83	298.500	0.8523	0.2563	0.88408	1.3959	0.224	1.550	YES	7.265
4	... Total PeCDDs	355.8546	23.56	962.130	2.7473	2.1321	0.88408	1.3959	0.893	1.550	YES	12.401
5	... Total PeCDDs	355.8546	22.29	1622.708	4.6335	4.6335	0.88408	1.3959	1.672	1.550	NO	22.667

Total HxCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... Total HxCDFs	373.8208	30.21	665.616	1.2103	0.6020	1.23262	0.8390	0.380	1.240	YES	5.122
2	... Total HxCDFs	373.8208	29.91	19626.345	35.6881	35.6881	1.23262	0.8390	1.272	1.240	NO	52.700
3	... Total HxCDFs	373.8208	29.56	9986.194	18.1586	15.4249	1.23262	0.8390	0.888	1.240	YES	29.678
4	... Total HxCDFs	373.8208	32.96	3894.994	7.0826	7.0826	1.23262	0.8390	1.258	1.240	NO	14.797
5	... 1,2,3,7,8,9-Hx...	373.8208	32.88	1684.257	3.5012	3.5012	1.07822	0.9592	1.342	1.240	NO	12.888
6	... 2,3,4,6,7,8-Hx...	373.8208	32.17	4336.511	7.8544	7.8544	1.23749	0.8357	1.188	1.240	NO	19.054
7	... Total HxCDFs	373.8208	32.08	3011.798	5.4766	5.4766	1.23262	0.8390	1.308	1.240	NO	19.874
8	... Total HxCDFs	373.8208	31.89	4067.434	7.3961	6.0749	1.23262	0.8390	1.727	1.240	YES	19.748
9	... Total HxCDFs	373.8208	31.82	947.697	1.7233	1.5755	1.23262	0.8390	1.025	1.240	YES	8.828
10	... Total HxCDFs	373.8208	31.65	5861.242	10.6579	10.6579	1.23262	0.8390	1.212	1.240	NO	25.402
11	... 1,2,3,6,7,8-Hx...	373.8208	31.52	15301.533	24.5630	24.5630	1.39626	0.7407	1.251	1.240	NO	64.328
12	... 1,2,3,4,7,8-Hx...	373.8208	31.37	22689.628	41.7360	41.7360	1.21851	0.8487	1.211	1.240	NO	93.956
13	... Total HxCDFs	373.8208	30.80	2305.469	4.1922	3.7756	1.23262	0.8390	1.487	1.240	YES	9.051
14	... Total HxCDFs	373.8208	30.52	3163.398	5.7522	5.7522	1.23262	0.8390	1.176	1.240	NO	10.732

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1												

Total HxCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... Total HxCDDs	389.8157	30.72	2728.448	6.5309	6.5309	1.08365	0.5606	1.183	1.240	NO	26.582
2	... 1,2,3,7,8,9-Hx...	389.8157	32.69	2018.713	4.7056	4.7056	1.11276	0.5459	1.329	1.240	NO	22.119
3	... 1,2,3,6,7,8-Hx...	389.8157	32.42	1344.266	3.1398	2.7004	1.11052	0.5470	0.909	1.240	YES	20.150
4	... 1,2,3,4,7,8-Hx...	389.8157	32.33	685.706	1.7307	1.7307	1.02768	0.5911	1.258	1.240	NO	10.625
5	... Total HxCDDs	389.8157	31.69	4560.993	10.9173	10.9173	1.08365	0.5606	1.213	1.240	NO	49.677
6	... Total HxCDDs	389.8157	31.41	2404.359	5.7551	4.0226	1.08365	0.5606	2.205	1.240	YES	22.913

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1												

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: G0L140439-2 0349402, Task:

Total HpCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio1	Ratio2	S/N
1	... 1,2,3,4,7,8,9-H...	407.7818	35.36	15534.613	35.1118	35.1118	1.19912	1.1341	1.008	1.040	NO	96.187
2	... Total HpCDFs	407.7818	34.56	16369.988	34.1183	34.1183	1.30039	1.0458	0.988	1.040	NO	116.868
3	... Total HpCDFs	407.7818	34.44	11563.668	24.1010	24.1010	1.30039	1.0458	0.972	1.040	NO	86.179
4	... 1,2,3,4,6,7,8-H...	407.7818	34.25	56716.709	109.6679	109.66...	1.40167	0.9702	1.025	1.040	NO	427.651

Total HpCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio1	Ratio2	S/N
1	... 1,2,3,4,6,7,8-H...	423.7766	35.06	12306.409	36.6541	33.8890	0.98108	0.9874	1.206	1.040	YES	123.988
2	... Total HpCDDs	423.7766	34.49	12877.478	38.3550	38.3550	0.98108	0.9874	1.143	1.040	NO	142.117

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\17DE103D5T09A.qld

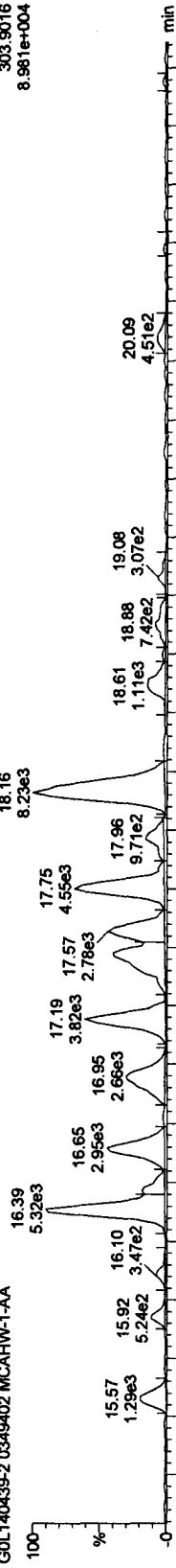
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

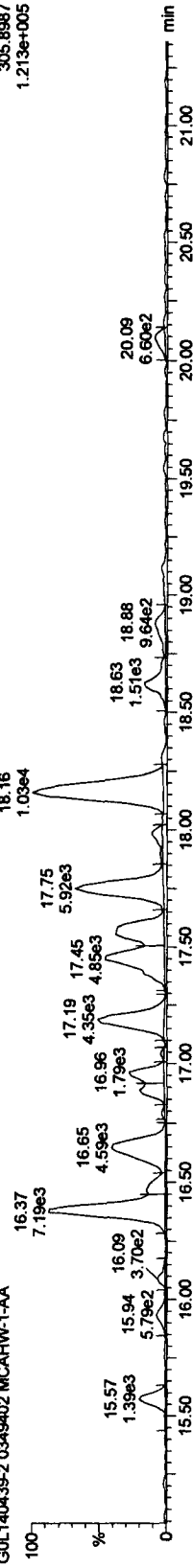
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

TCDFs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

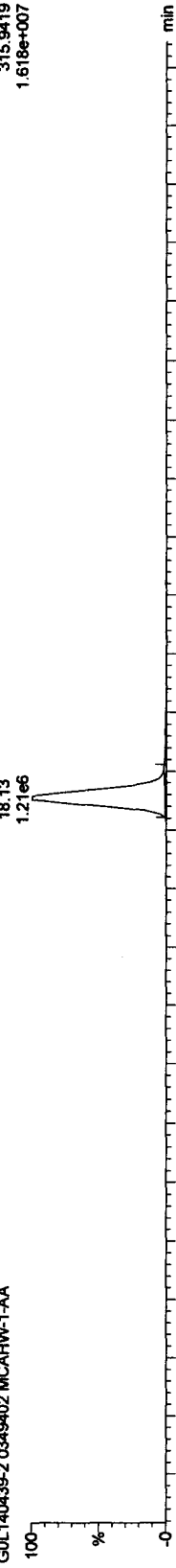


17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

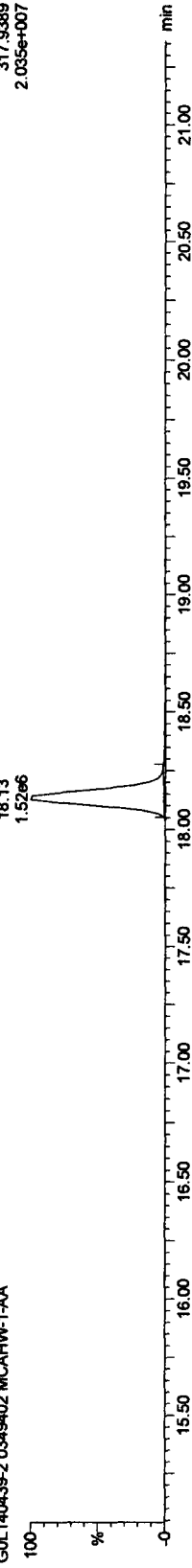


13C-TCDF

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 09:33:25 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:35:06 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\T093D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Compound Name: Total TCDFs, Chrom. Trace: 303.9016

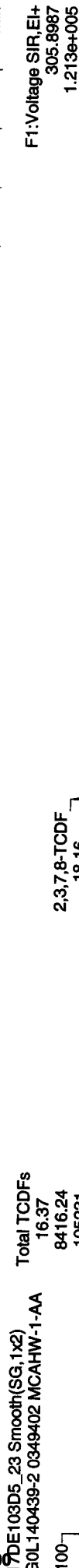
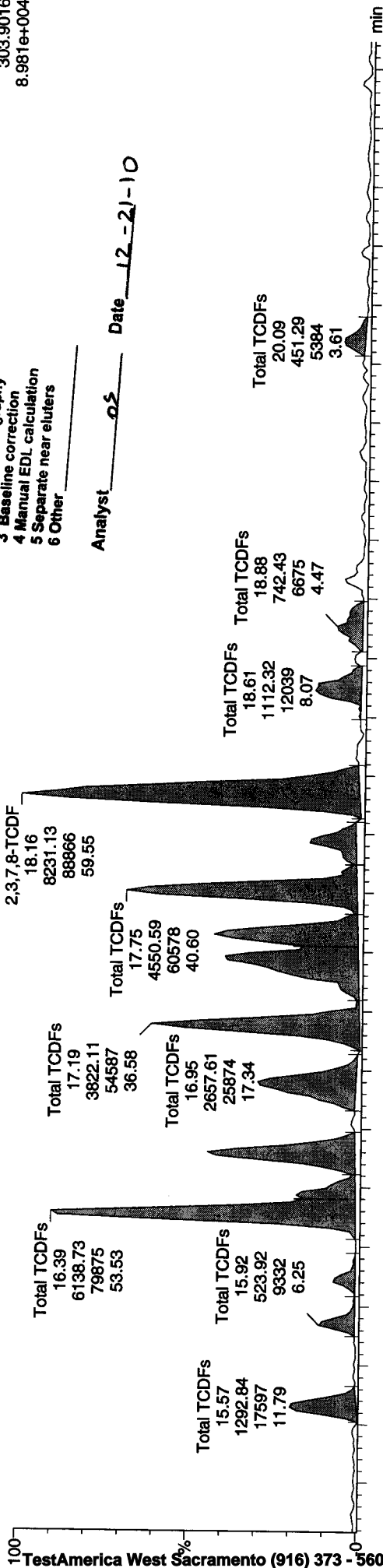
Sample Name: 17DE103D5_23
17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

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 12-21-10

F1: Voltage SIR, EI+
303.9016
8.981e+004



F1: Voltage SIR, EI+
305.8987
1.213e+005

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

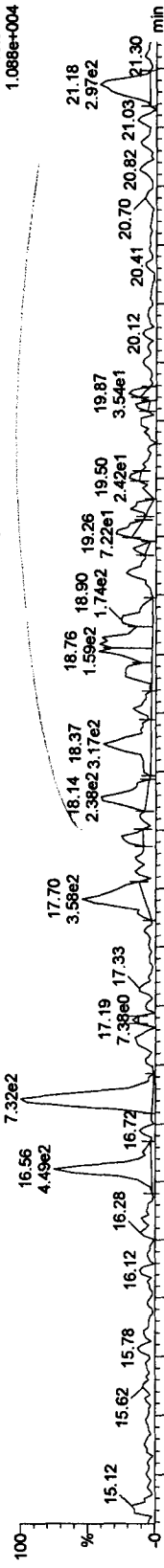
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

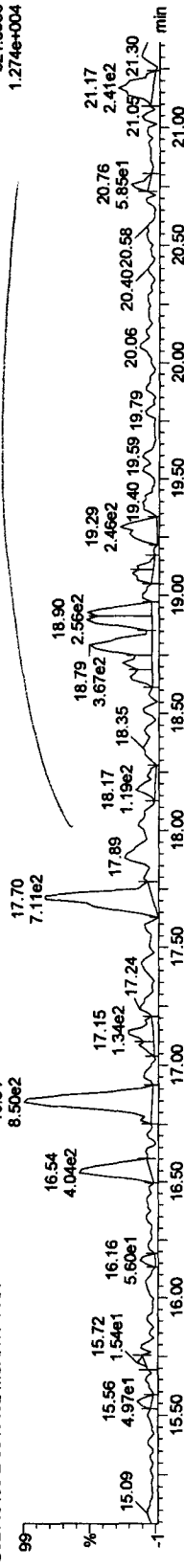
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

TCDDs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

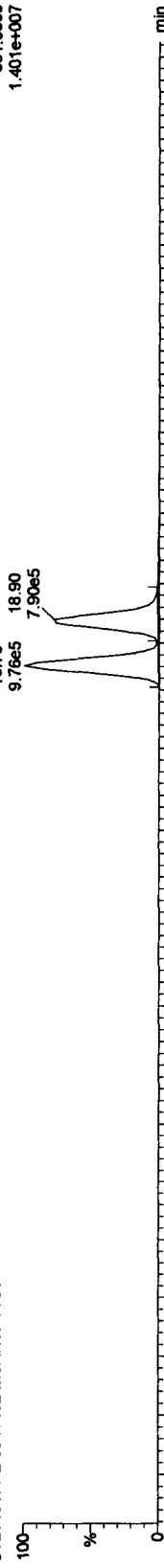


17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

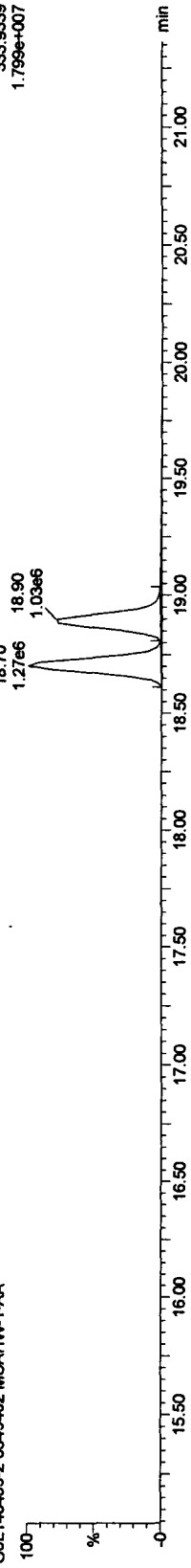


13C-TCDDs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Quantify Compound Report MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 09:45:48 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:47:06 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\T093D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Compound Name: 2,3,7,8-TCDD, Chrom. Trace: 319.8965

Sample Name: 17DE103D5_23

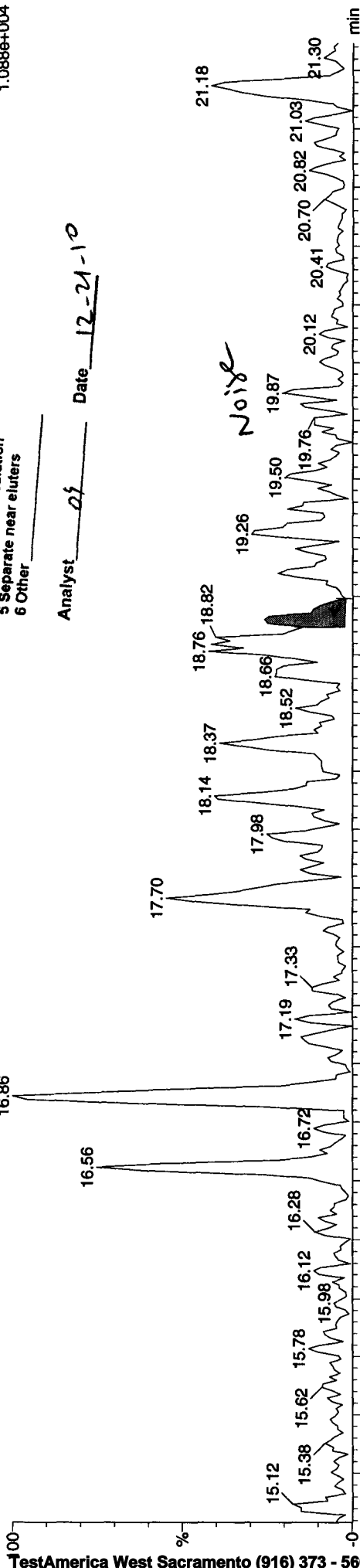
17DE103D5_23 Smooth(SG,1x2)
G0L140439-2 0349402 MCAHW-1-AA

Manual Edit Codes

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

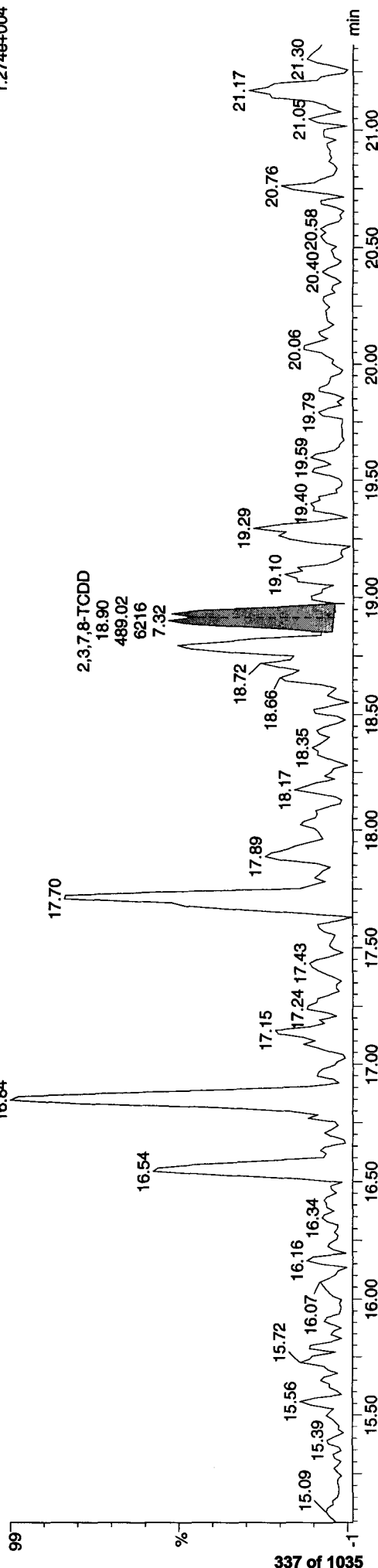
Analyst: di Date: 12-21-10

F1: Voltage SIR, EI+
319.8965
1.088e+004



17DE103D5_23 Smooth(SG,1x2)
G0L140439-2 0349402 MCAHW-1-AA

F1: Voltage SIR, EI+
321.8936
1.274e+004



Quantify Compound Report MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 09:50:40 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:51:26 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Compound Name: Total TCDDs, Chrom. Trace: 319.8965

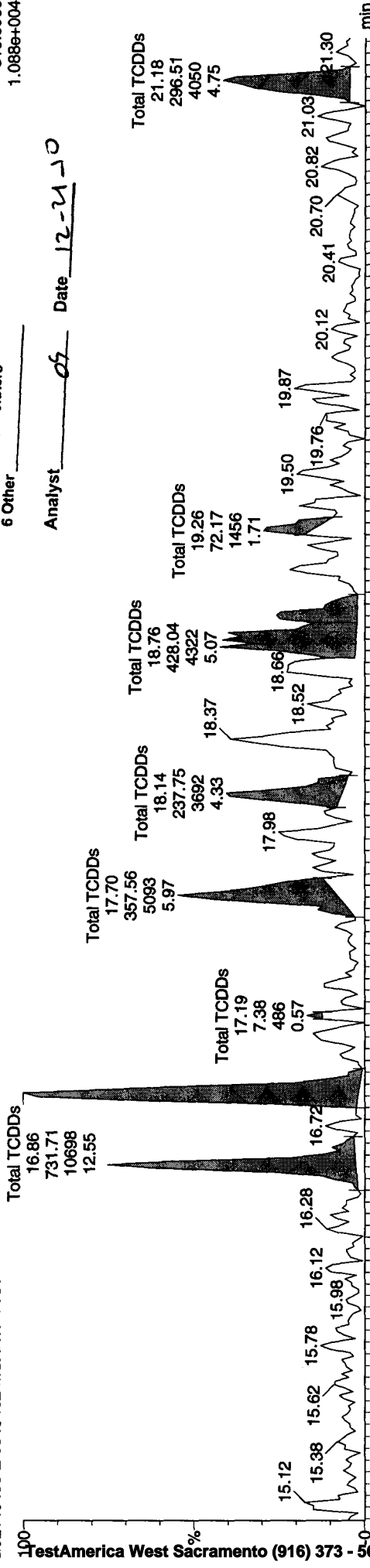
Sample Name: 17DE103D5_23
17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

Manual Edit Codes

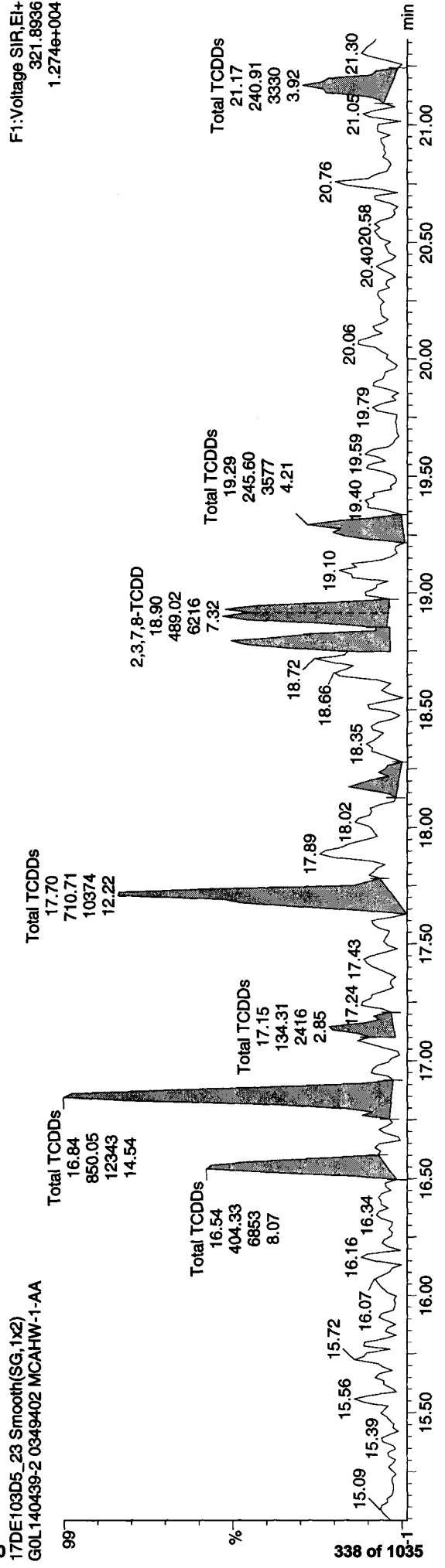
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

F1: Voltage SIR, EI+
319.8965
1.088e+004

Analyst 05 Date 12-21-10



F1: Voltage SIR, EI+
321.8936
1.274e+004



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PROV\17DE103D5T09A.qld

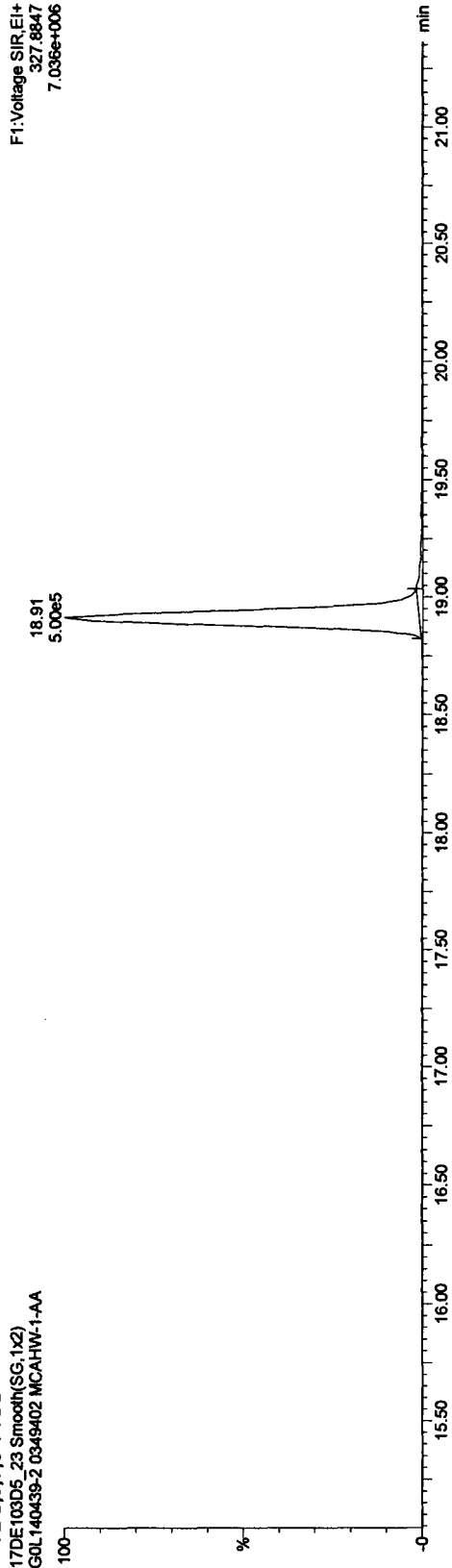
Last Altered: Saturday December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

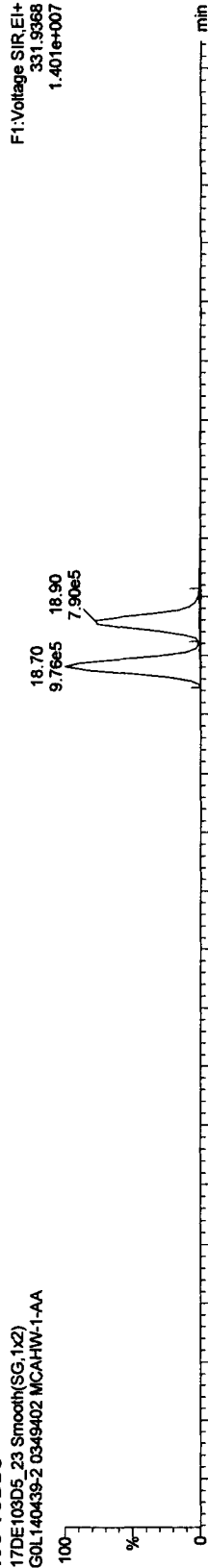
37CL-2,3,7,8-TCDD

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

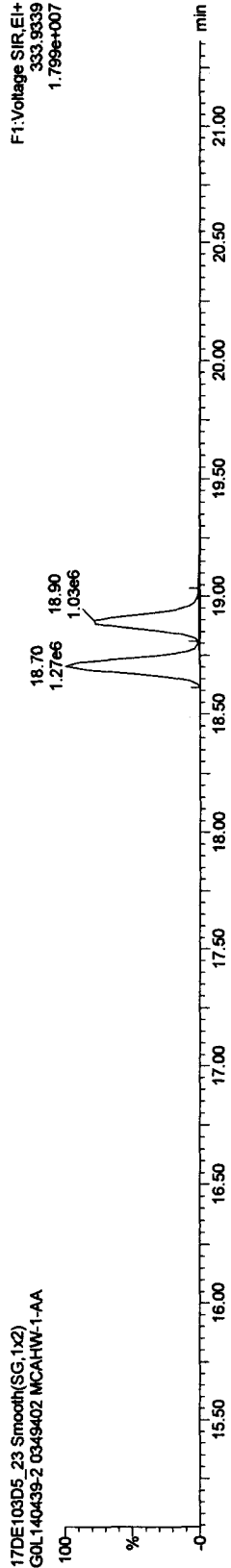


13C-TCDDs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

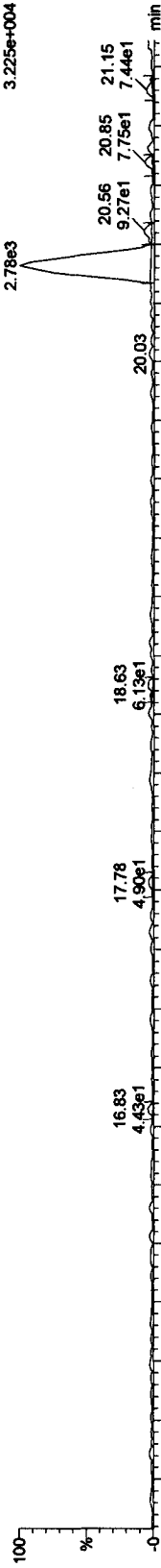
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

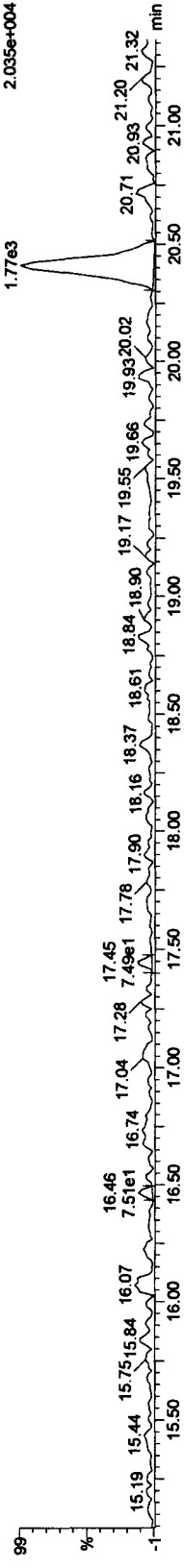
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

F1 PeCDFs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

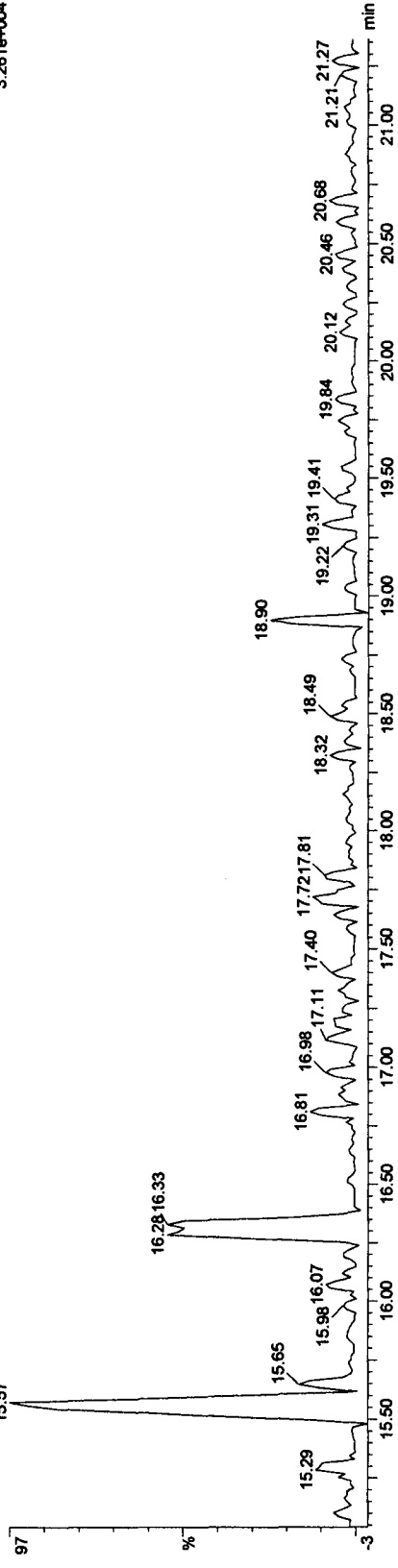


17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



F1 PeCDF PCDPE

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



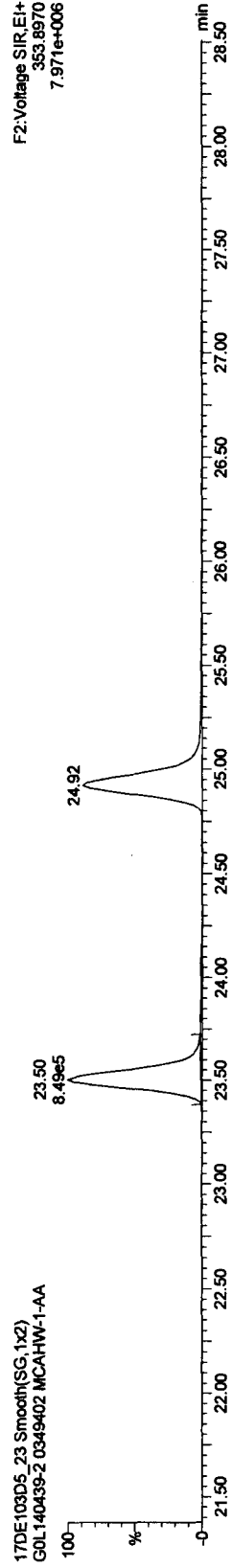
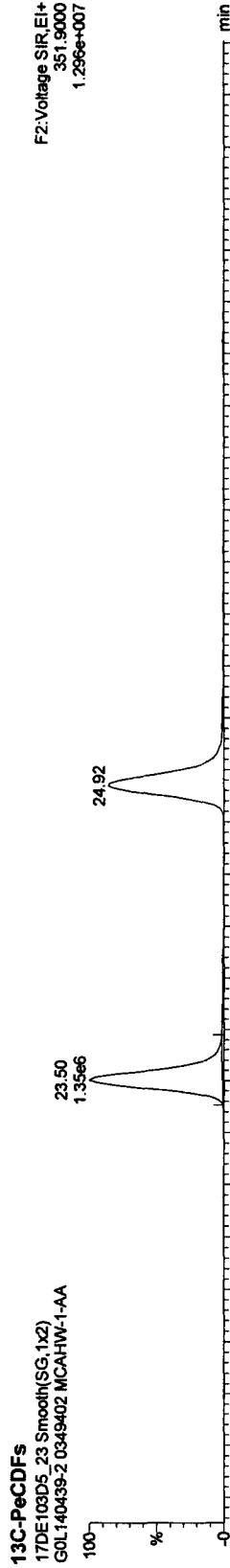
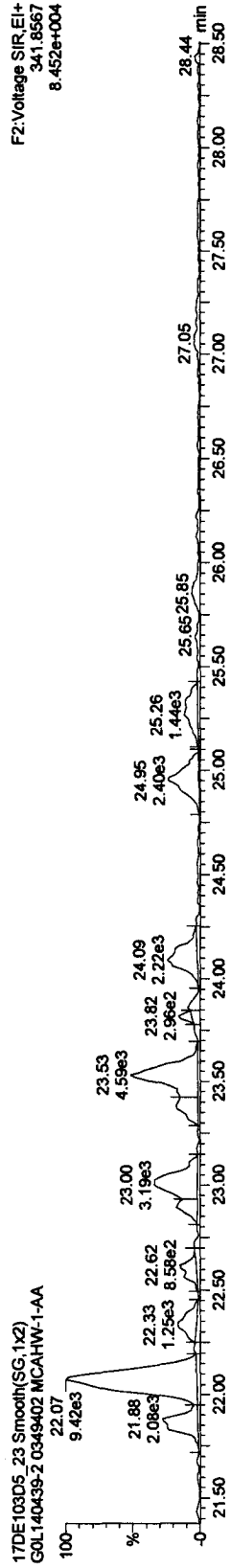
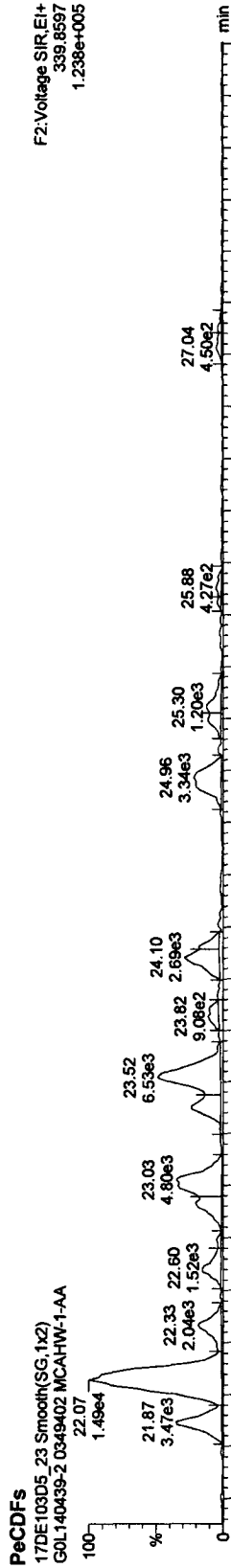
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

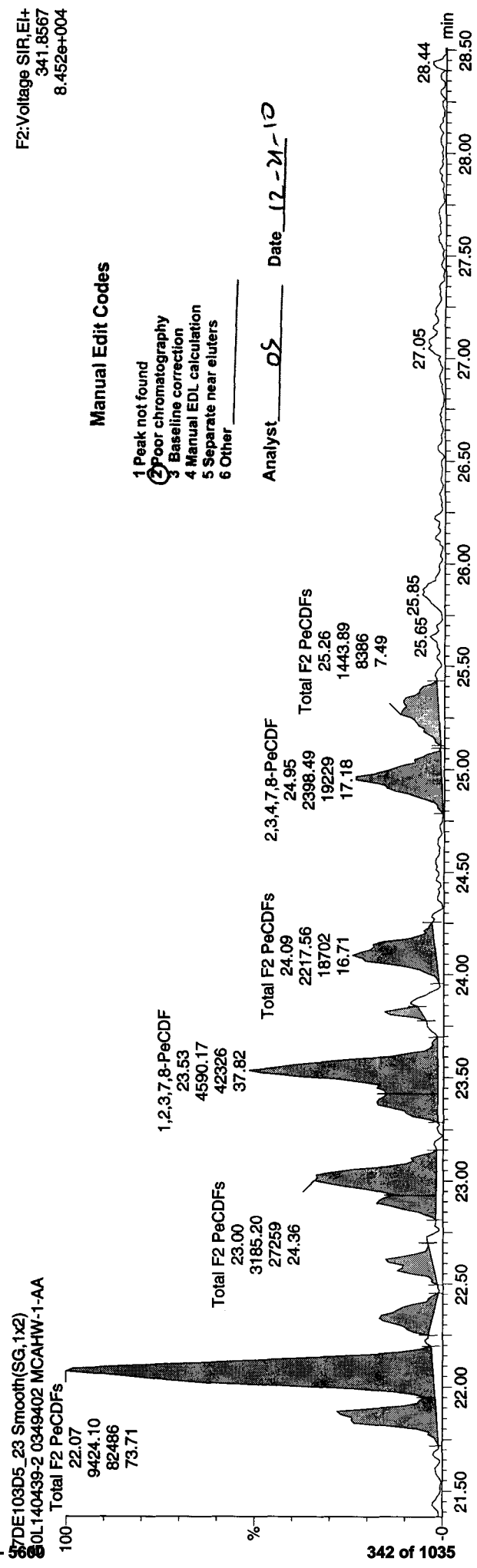
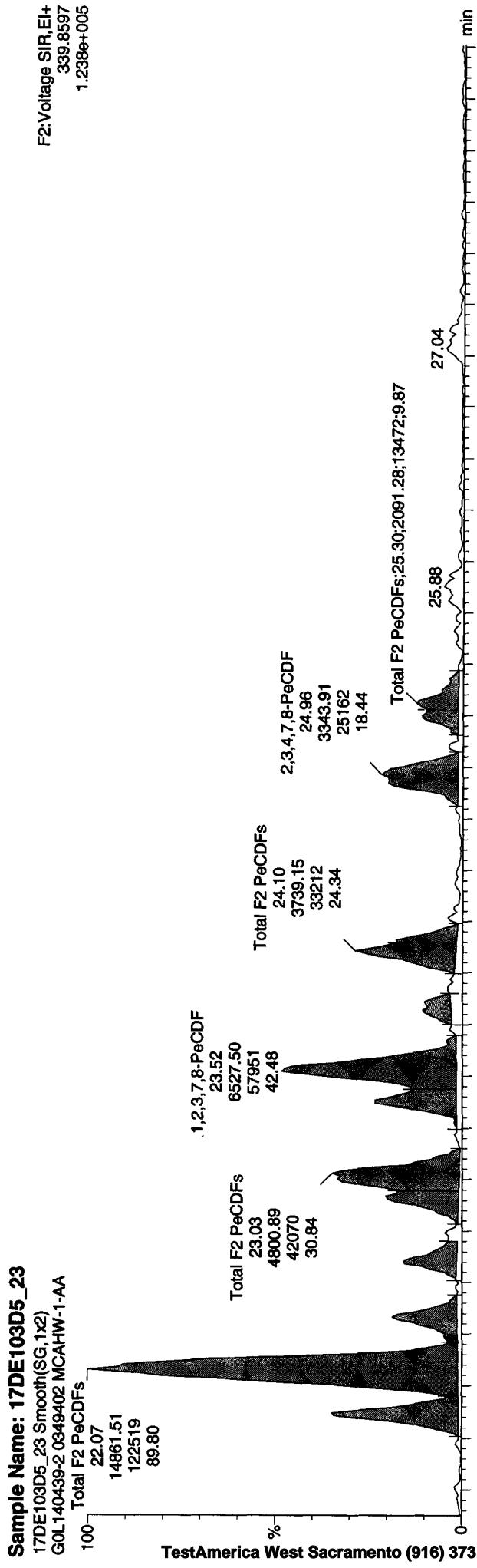
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 09:45:48 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 09:47:06 Pacific Standard Time

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597



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: 12-21-10

Quantify Sample Report MassLynx 4.1

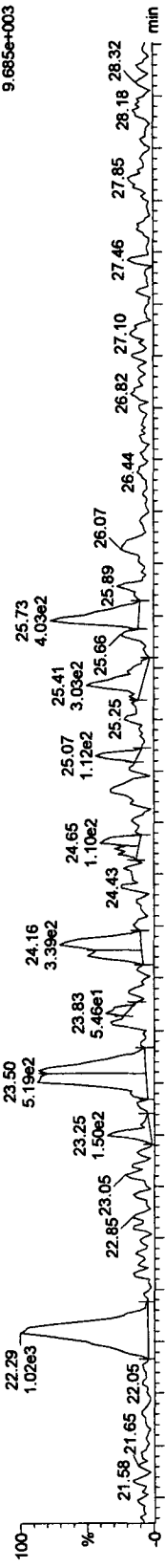
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

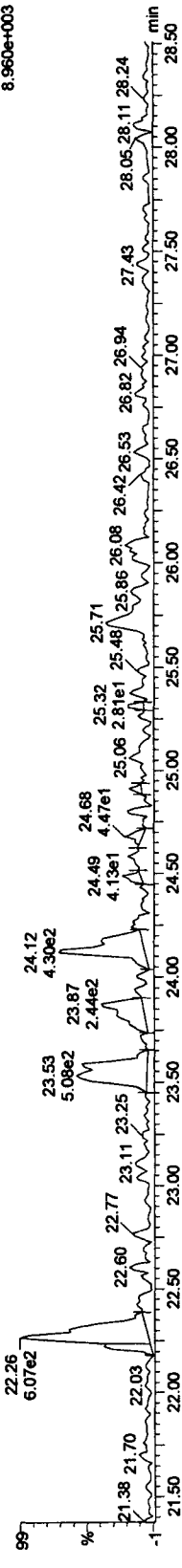
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

PeCDDs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

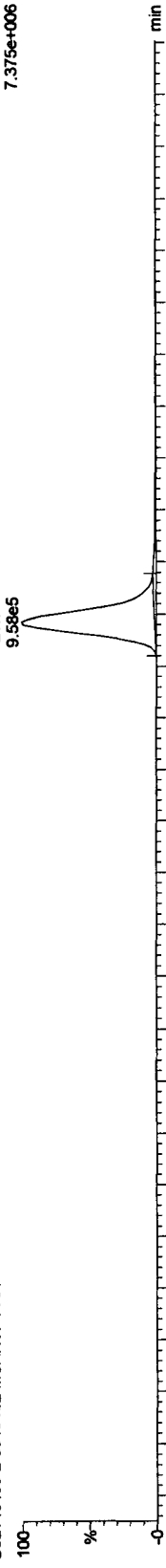


17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

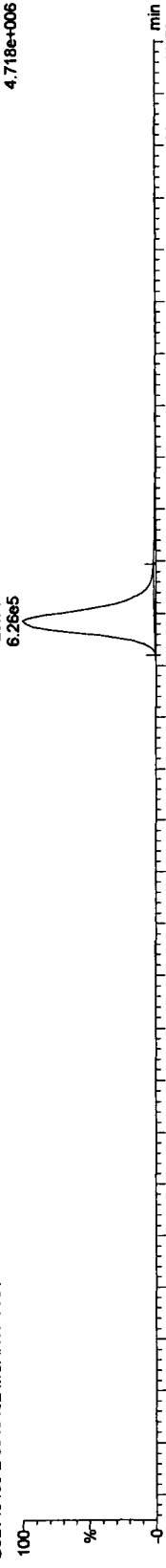


13C-PeCDD

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

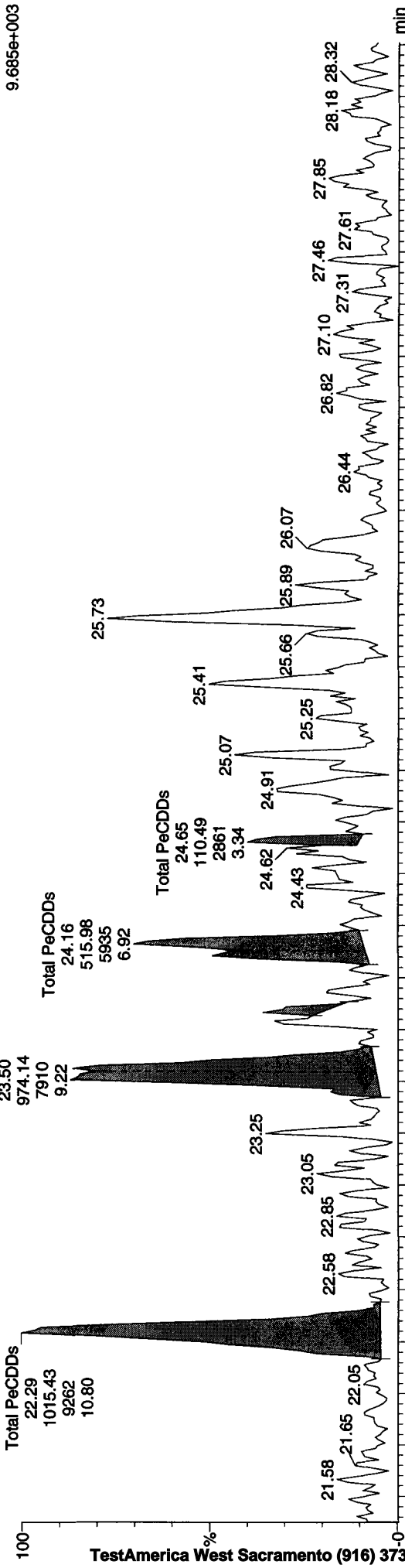
Last Altered: Tuesday, December 21, 2010 09:45:48 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:47:06 Pacific Standard Time

Compound Name: Total PeCDDs, Chrom. Trace: 355.8546

Sample Name: 17DE103D5_23

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

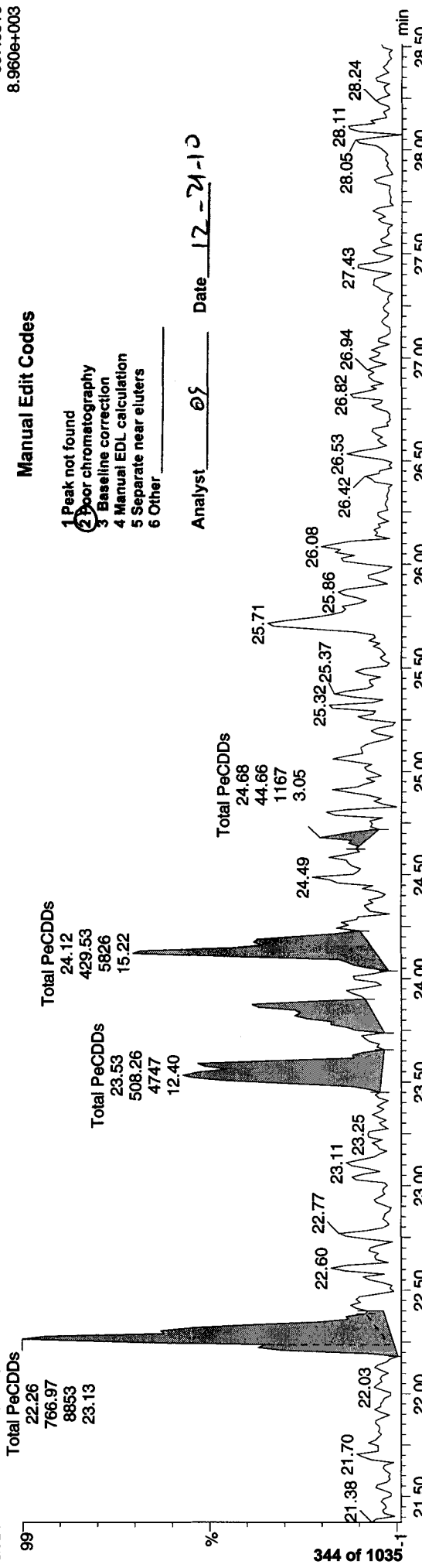
F2:Voltage SIR,EI+
355.8546
9.685e+003



Sample Name: 17DE103D5_23 Smooth(SG,1x2)

GOL140439-2 0349402 MCAHW-1-AA

F2:Voltage SIR,EI+
357.8516
8.960e+003



Manual Edit Codes

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

Analyst: DS Date: 12-21-10

Quantify Sample Report MassLynx 4.1

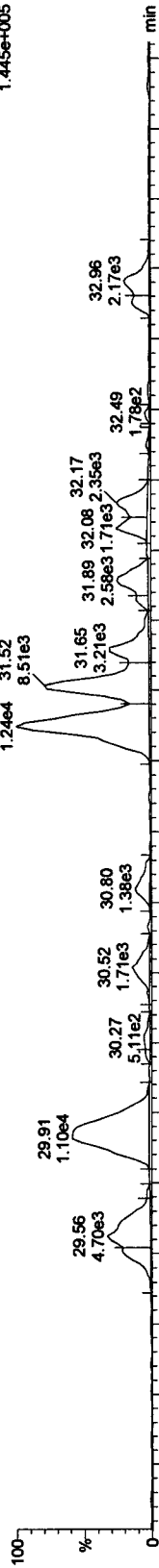
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

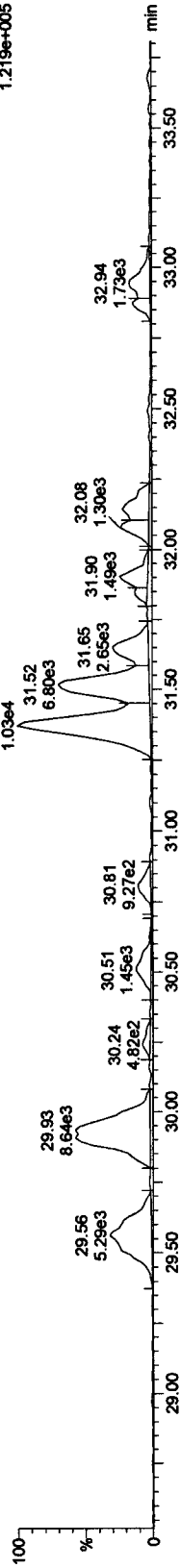
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

HxCDFs

17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA

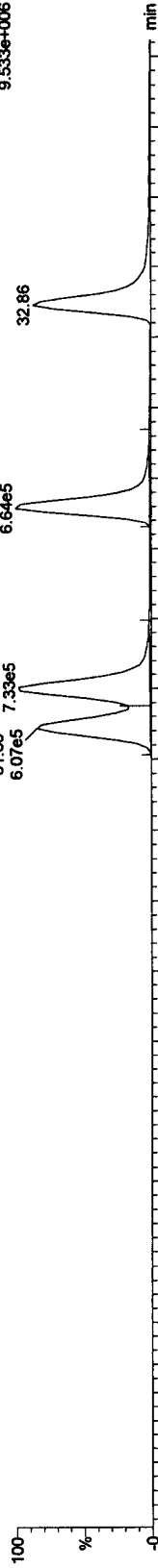


17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA

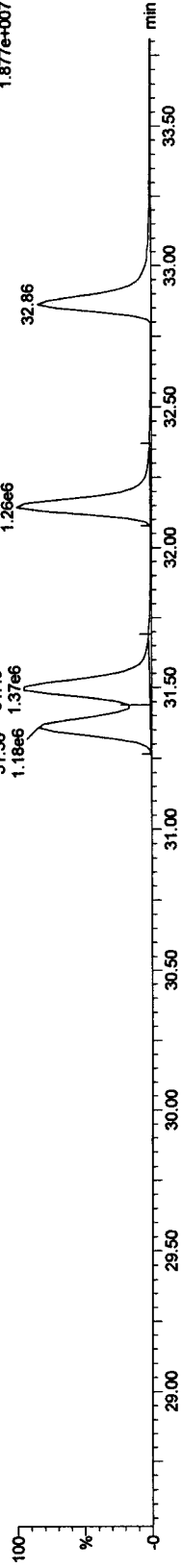


13C-HxCDFs

17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA



17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5\T09AOS.qld

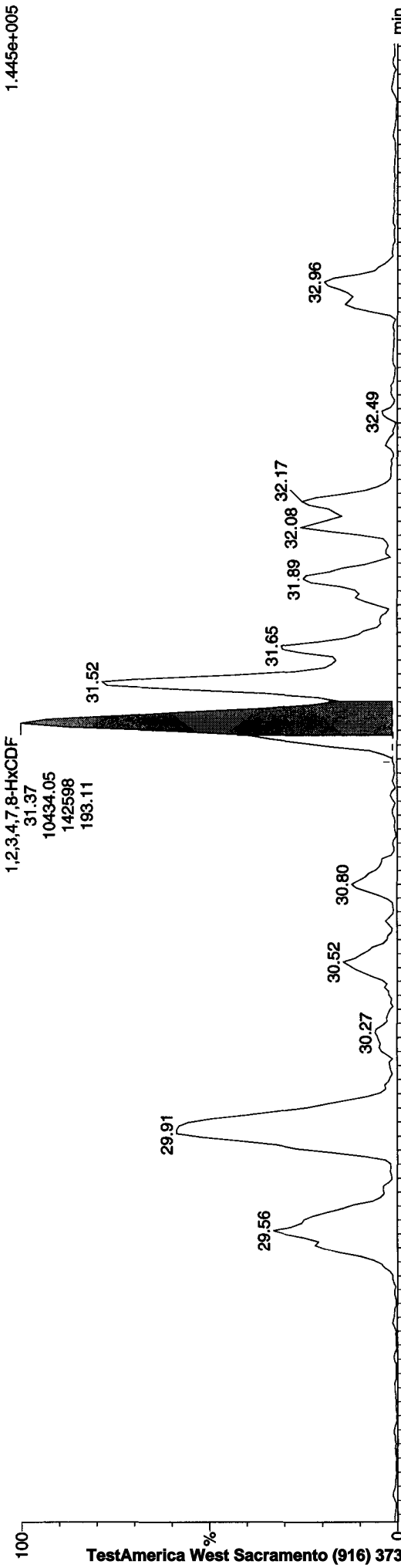
Last Altered: Tuesday, December 21, 2010 09:33:25 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:35:06 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

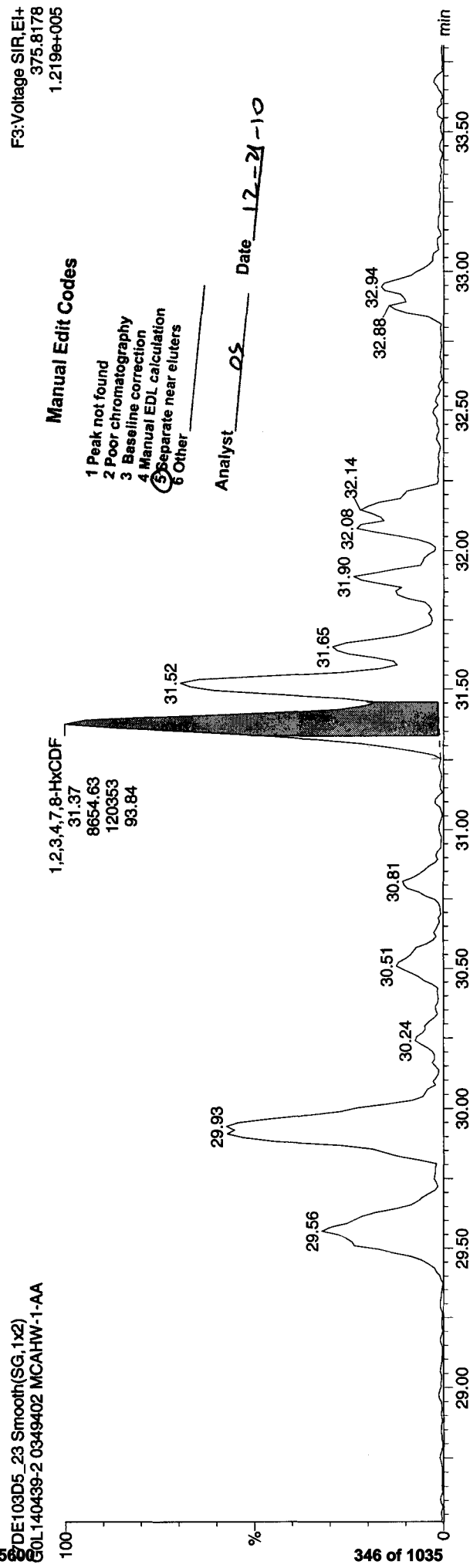
Sample Name: 17DE103D5_23

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

F3: Voltage SIR, EI+
373.8208
1.445e+005



F3: Voltage SIR, EI+
375.8178
1.219e+005



Analyst OS Date 12-21-10

Quantify Compound Report MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 09:45:48 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:47:06 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Sample Name: 17DE103D5_23

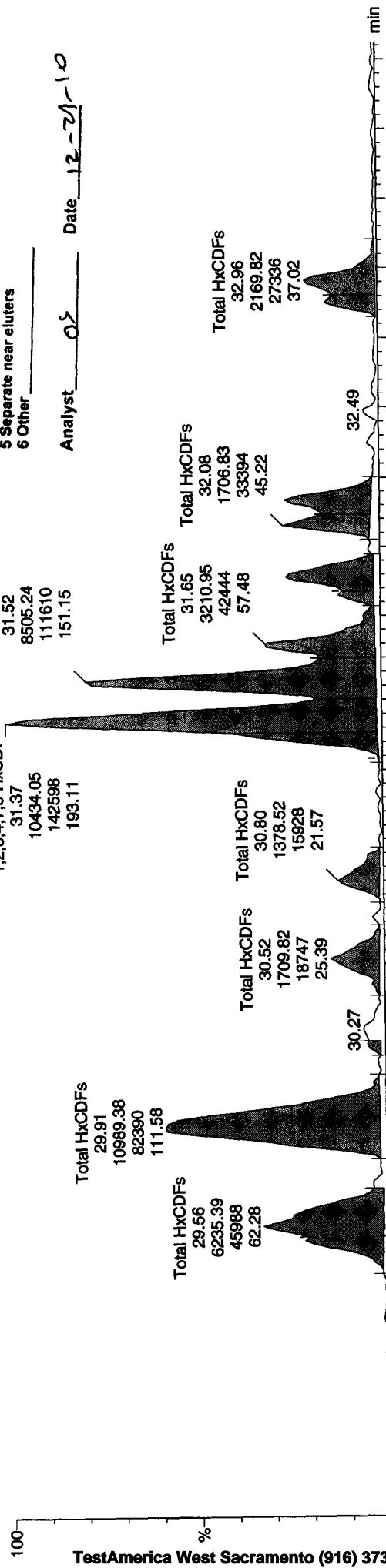
17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

Manual Edit Codes

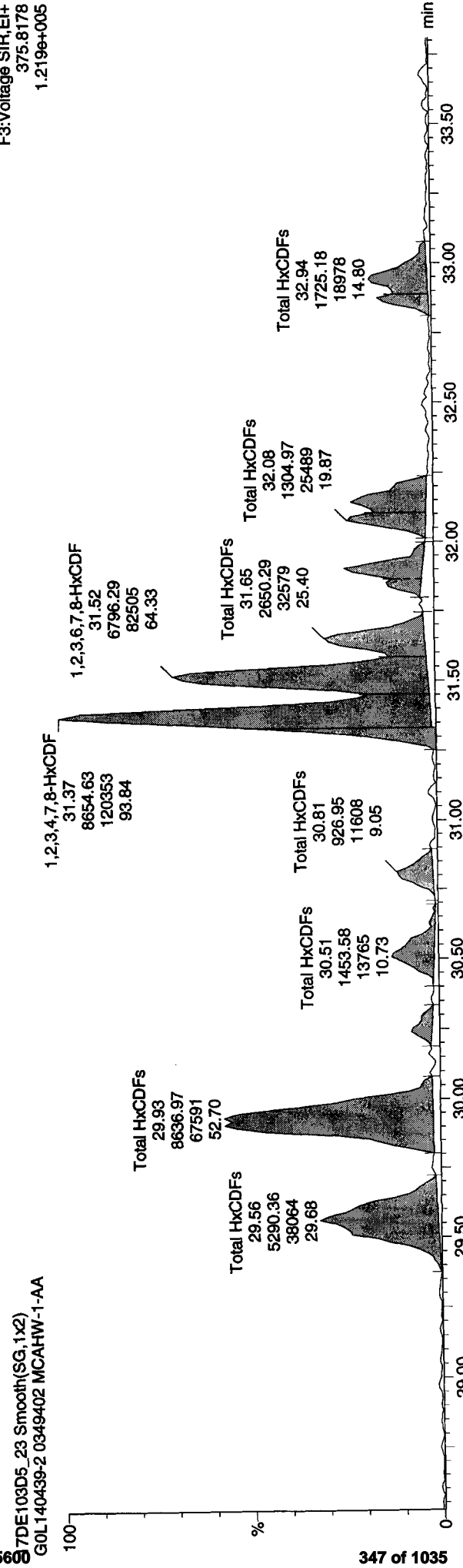
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

F3:Voltage SIR,EI+
373.8208
1.445e+005

Analyst: OS Date: 12-21-10



F3:Voltage SIR,EI+
375.8178
1.219e+005



Quantify Sample Report MassLynx 4.1

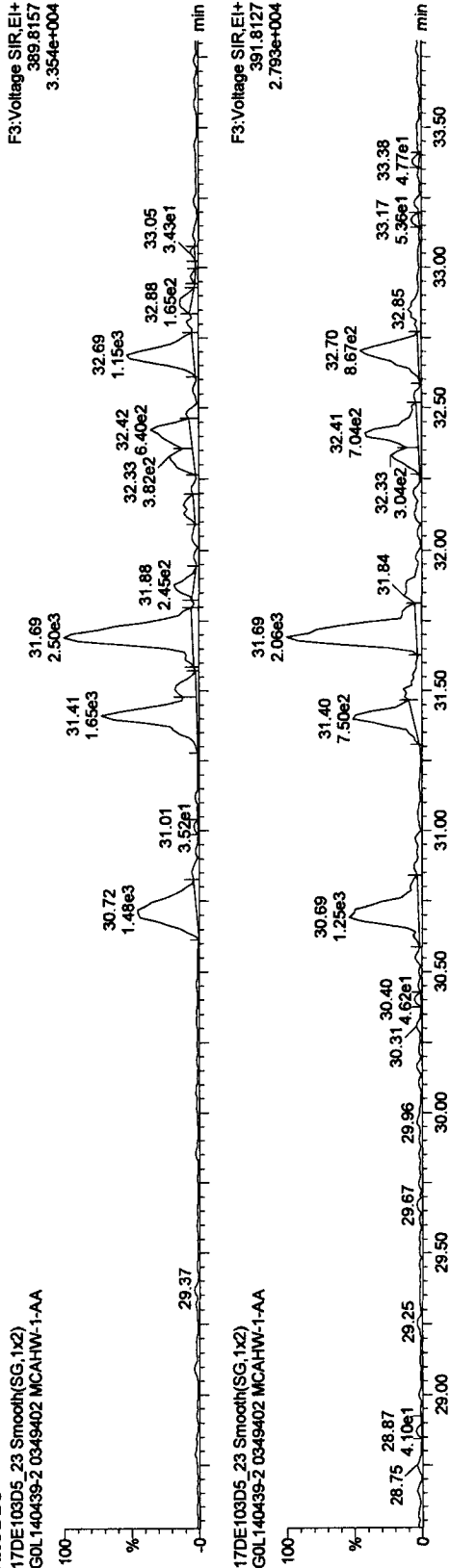
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

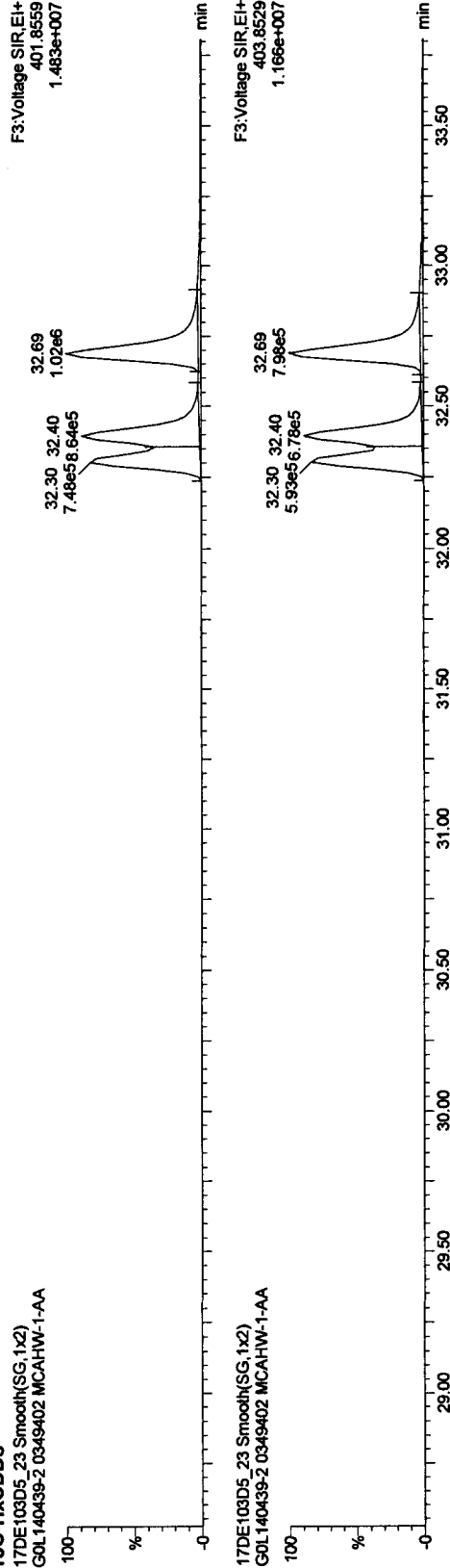
HxCDDs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



13C-HxCDDs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



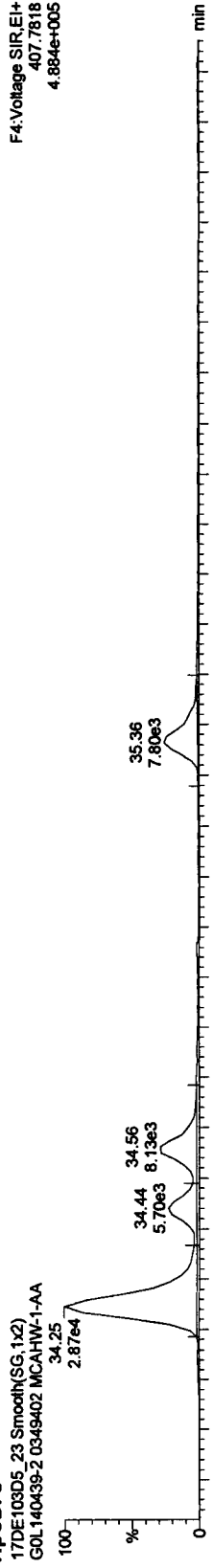
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

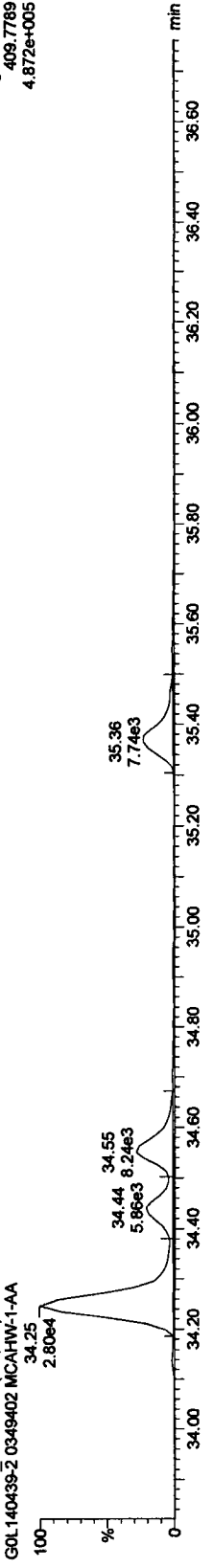
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

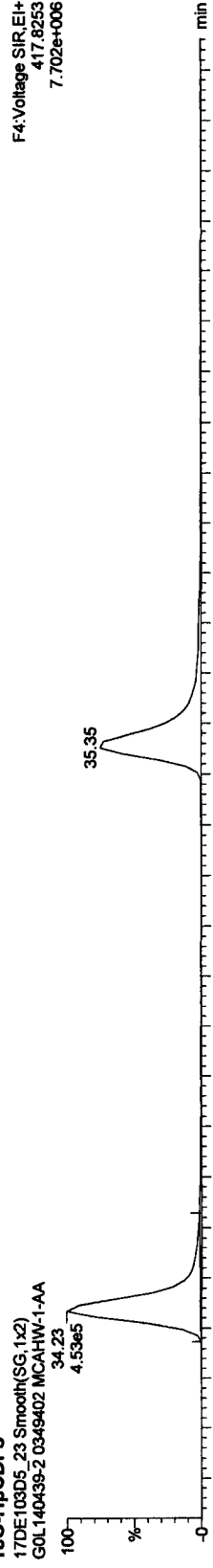
HpCDFs



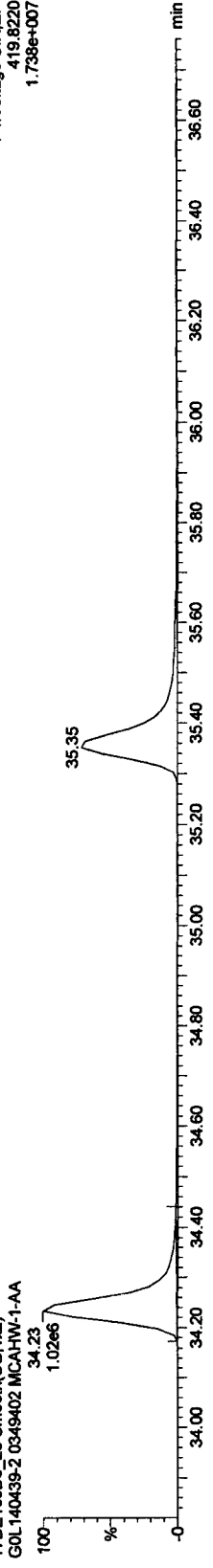
17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



13C-HpCDFs



17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Quantify Sample Report MassLynx 4.1

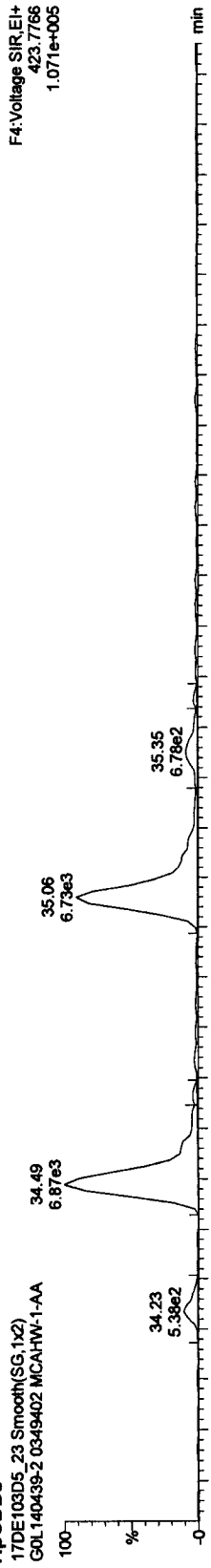
Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

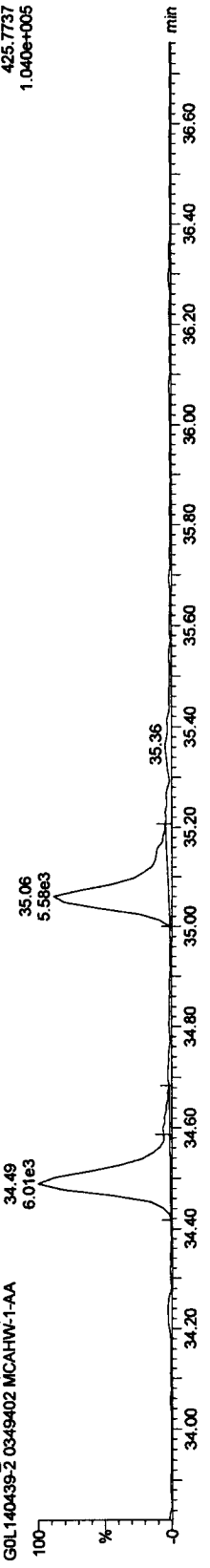
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

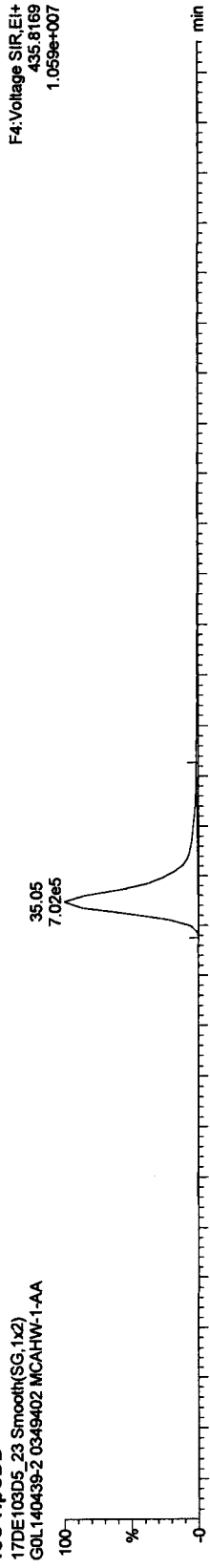
HpCDDs



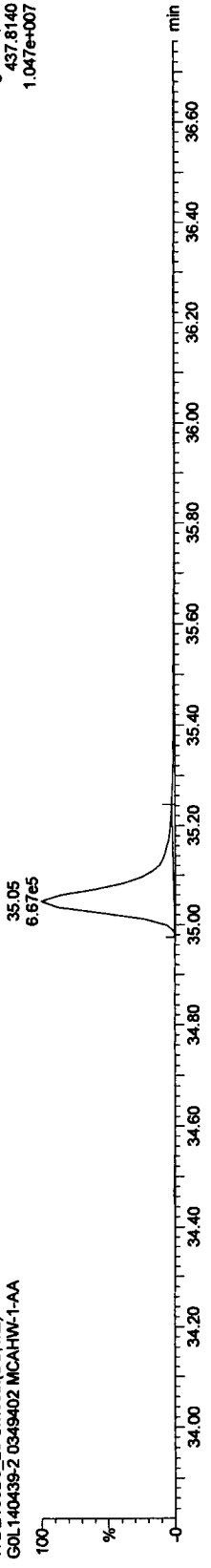
13C-HpCDD



13C-HpCDD



13C-HpCDD



Quantify Sample Report MassLynx 4.1

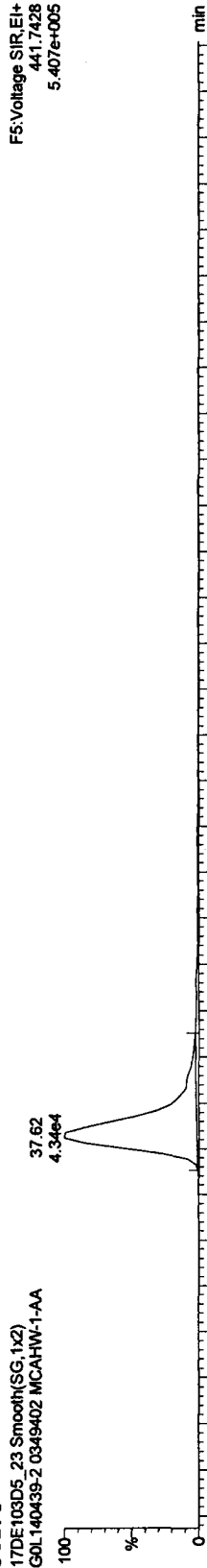
Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

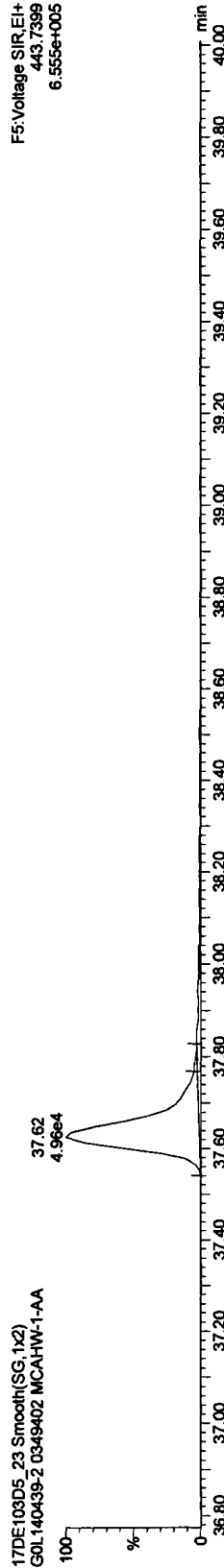
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

OCDFs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

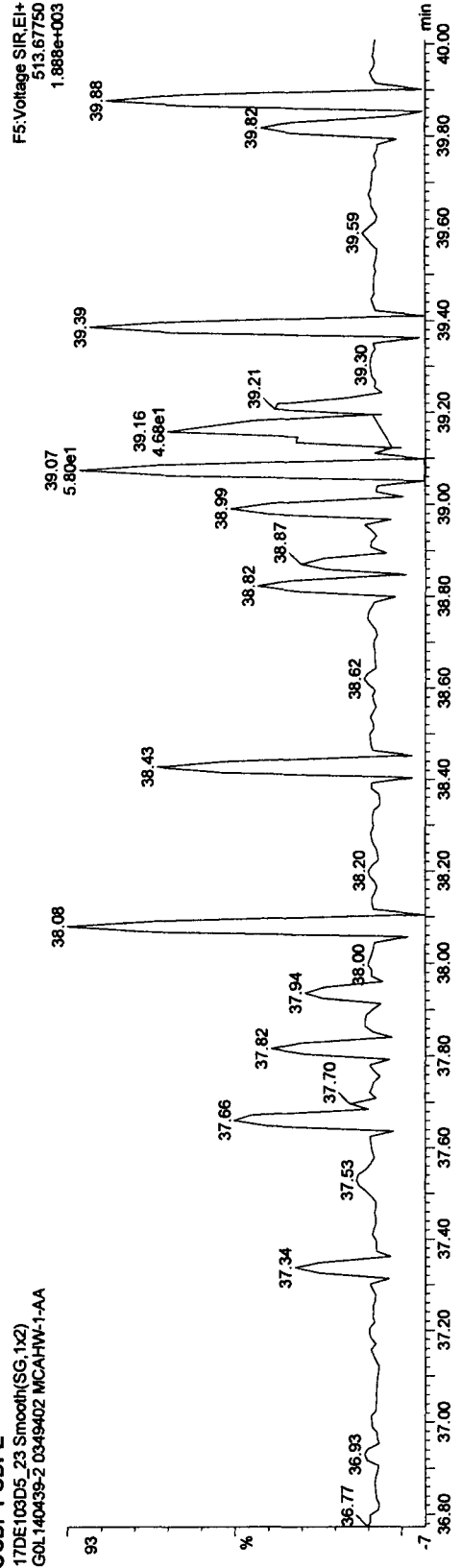


17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



OCDF PCDPE

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

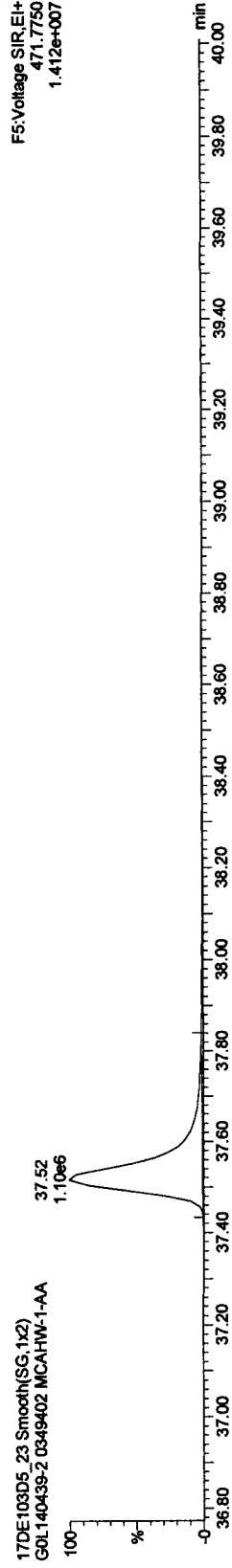
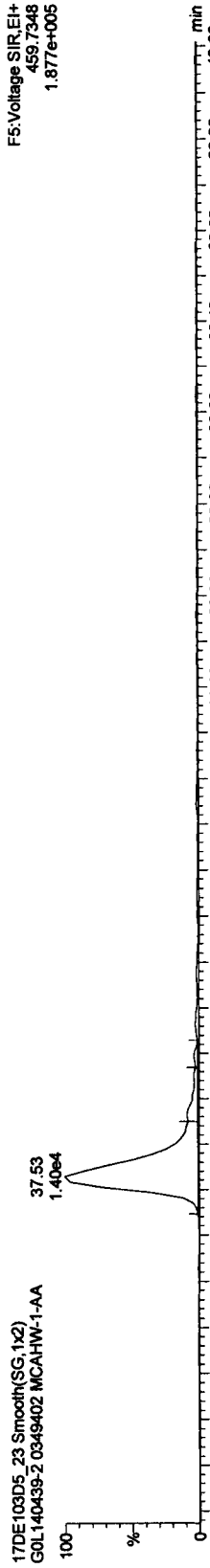
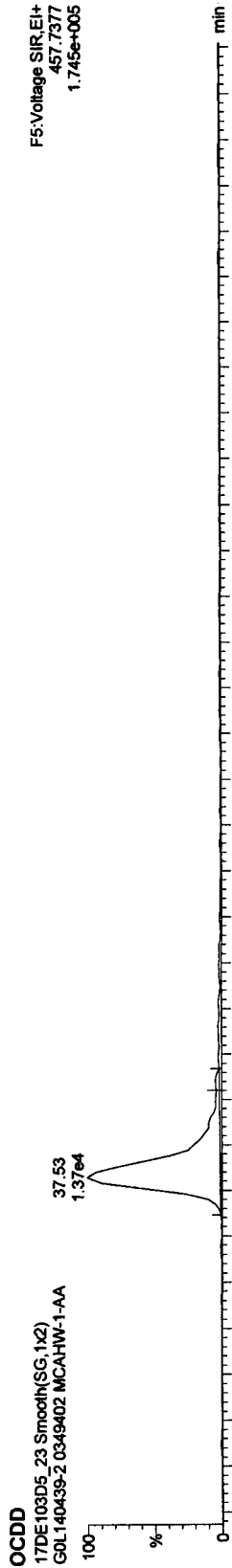


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: G0L140439-2 0349402



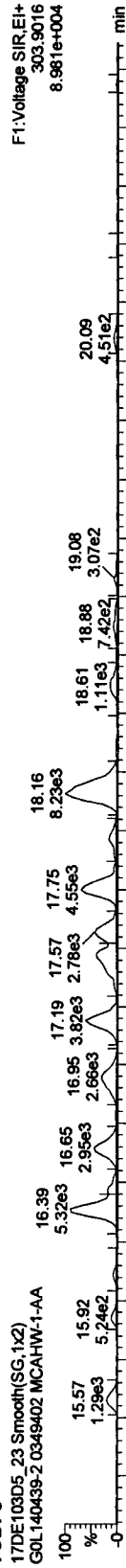
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

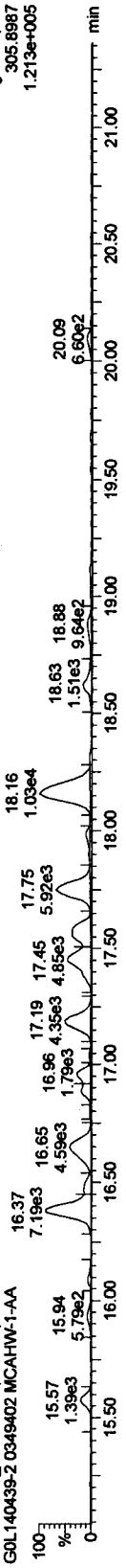
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: G0L140439-2 0349402

TCDFS



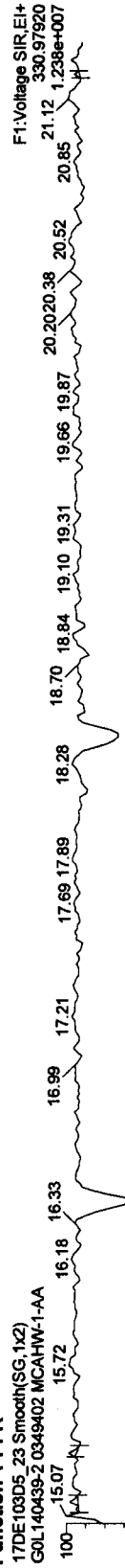
TCDF PCDPE



Function 1 PFK



Function 1 PFK



Quantify Sample Report MassLynx 4.1

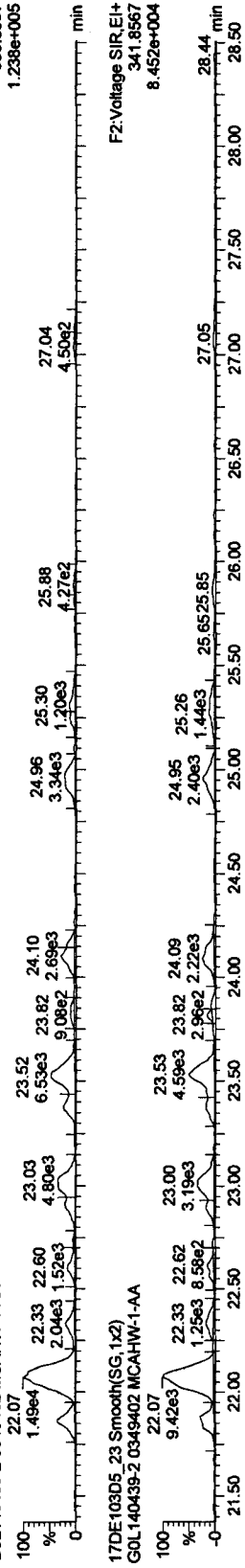
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

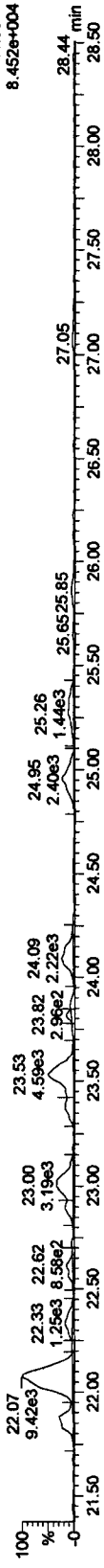
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

PeCDF

17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA

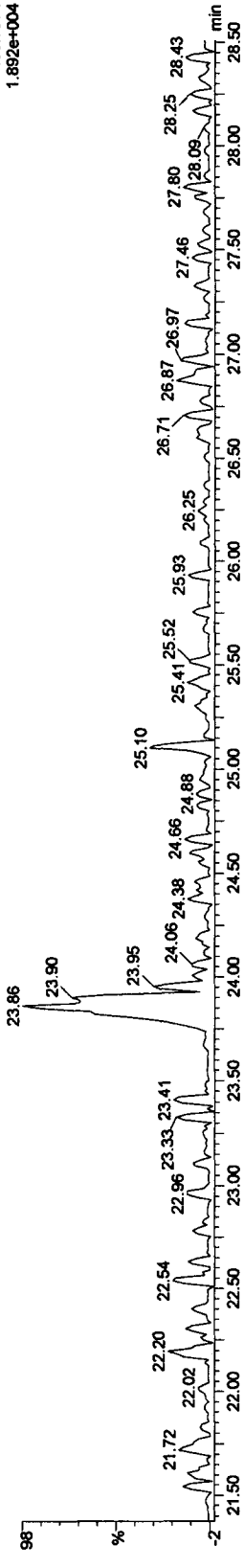


17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA



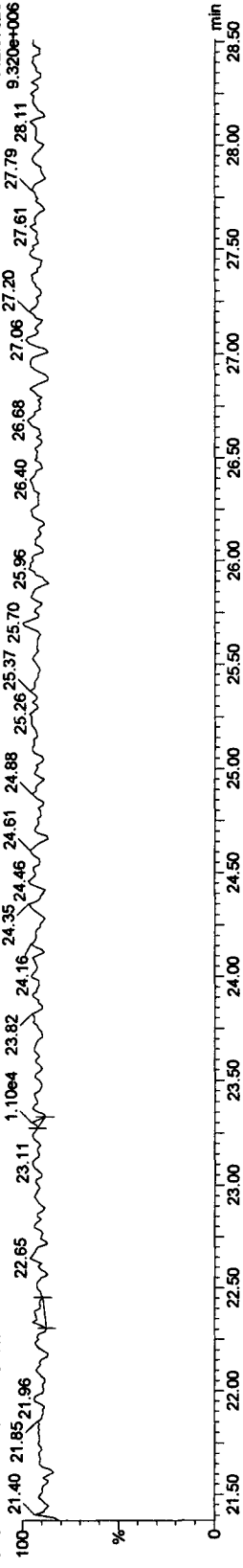
F2 PeCDF PCDFE

17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA



Function 2 PFK

17DE103D5_23 Smooth(SG,1x2)
 GOL140439-2 0349402 MCAHW-1-AA



Quantify Sample Report MassLynx 4.1

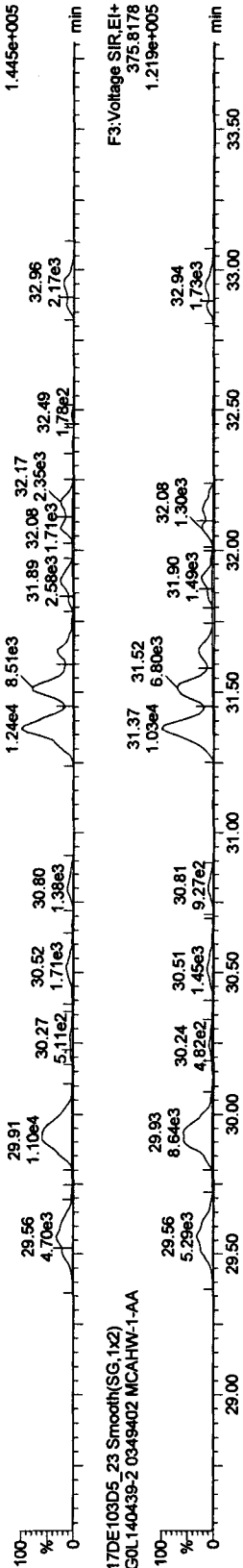
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

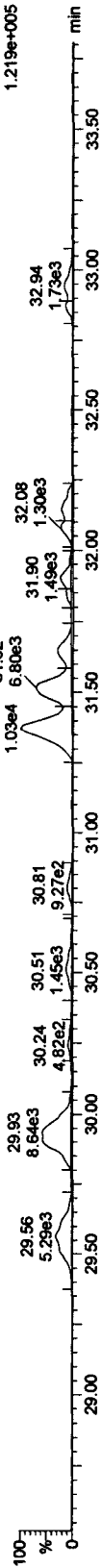
Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

HxCDFs

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

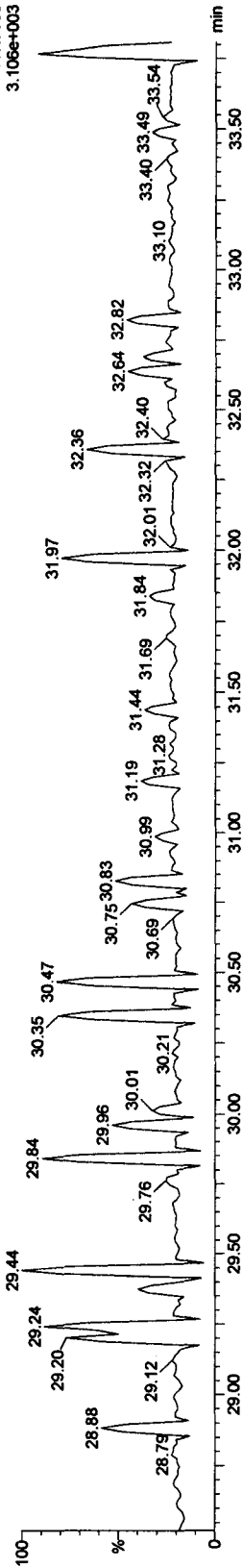


17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



HxCDF PCDDPE

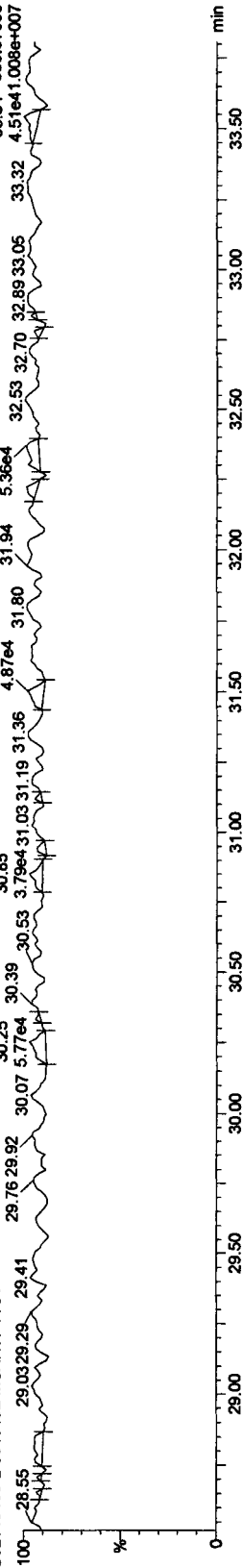
17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



F3:Voltage SIR,EI+
445.7555
3.106e+003

Function 3 PFK

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



F3:Voltage SIR,EI+
373.8208
1.445e+005

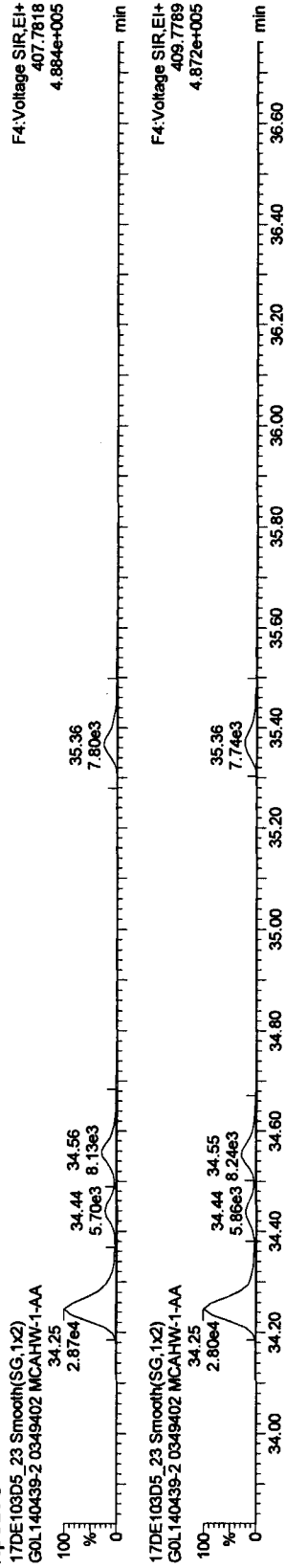
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO1\17DE103D5T09A.qld

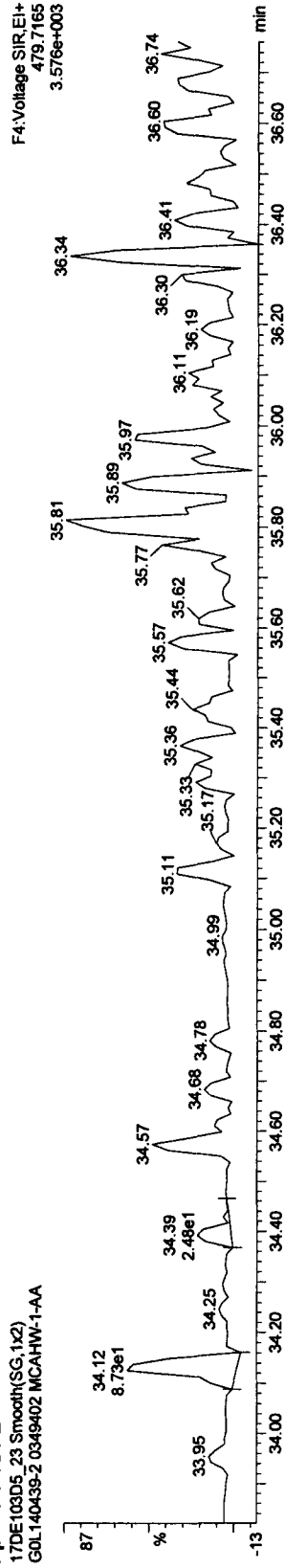
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: G0L140439-2 0349402

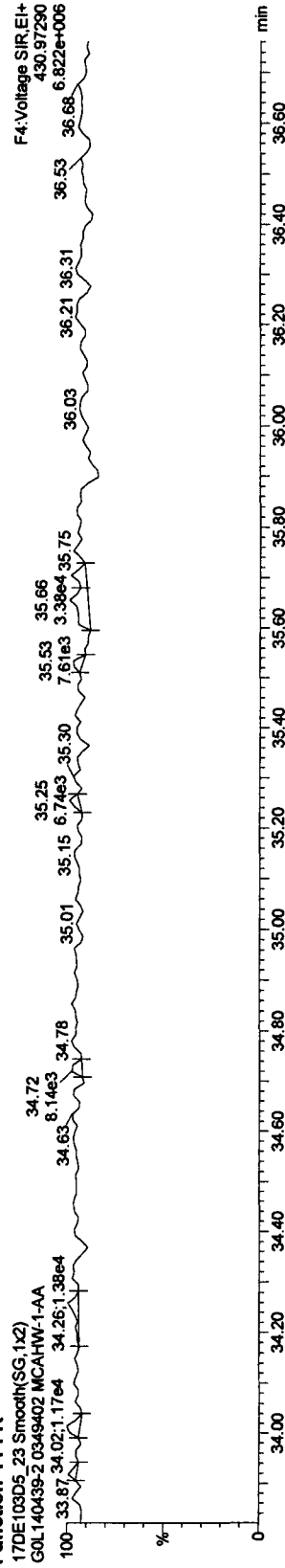
HpCDFs



HpCDF PCDPPE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

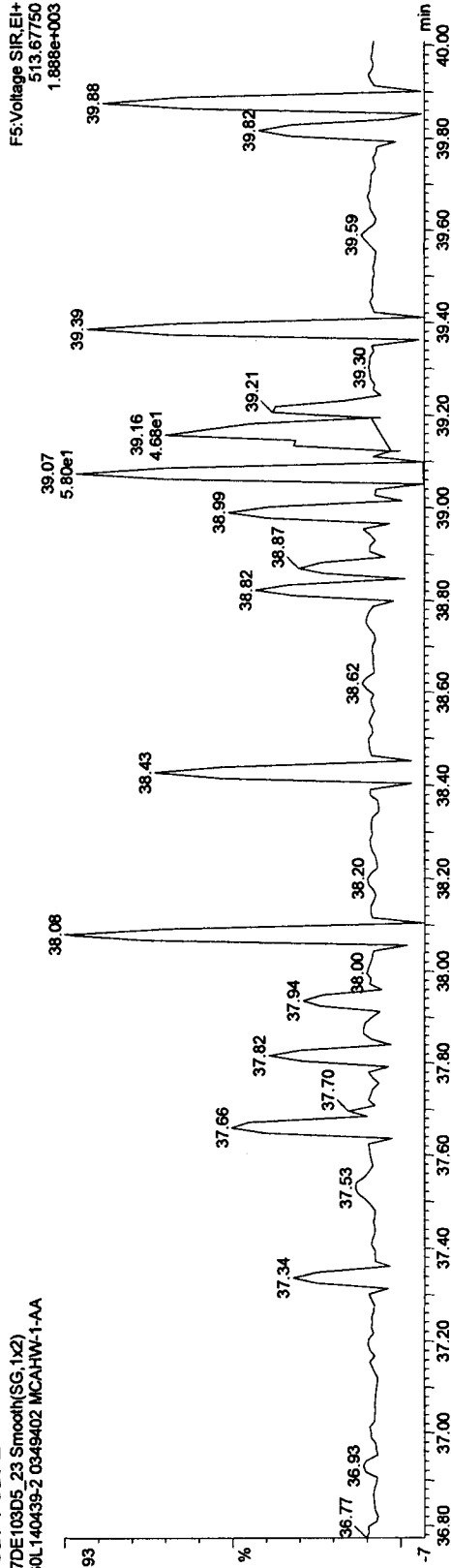
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

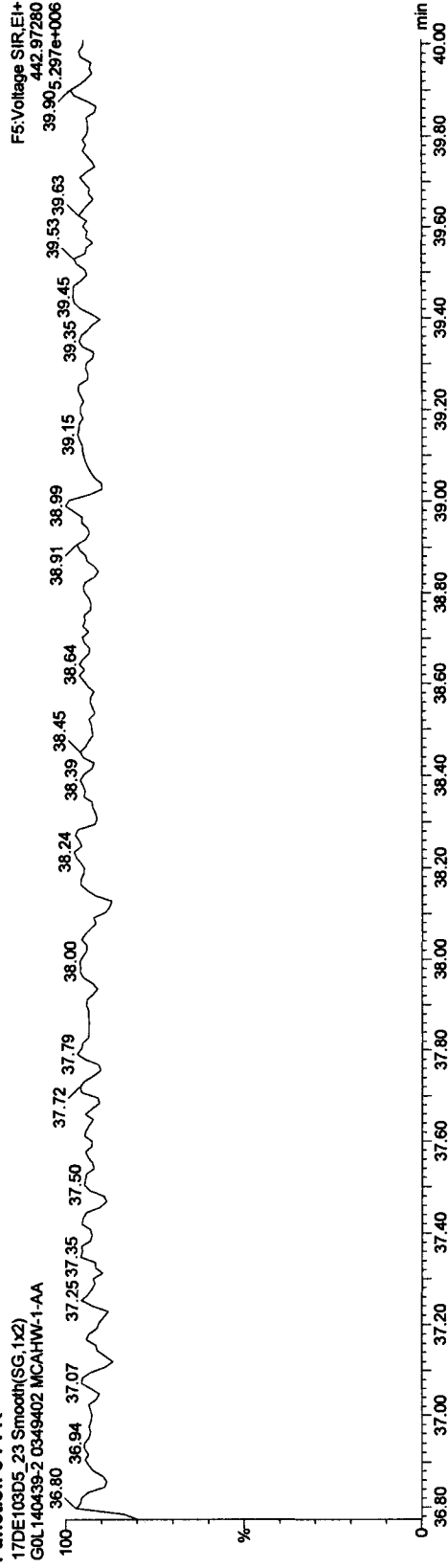
OCDF PCDPE

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Function 5 PFK

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Quantify Sample Report MassLynx 4.1

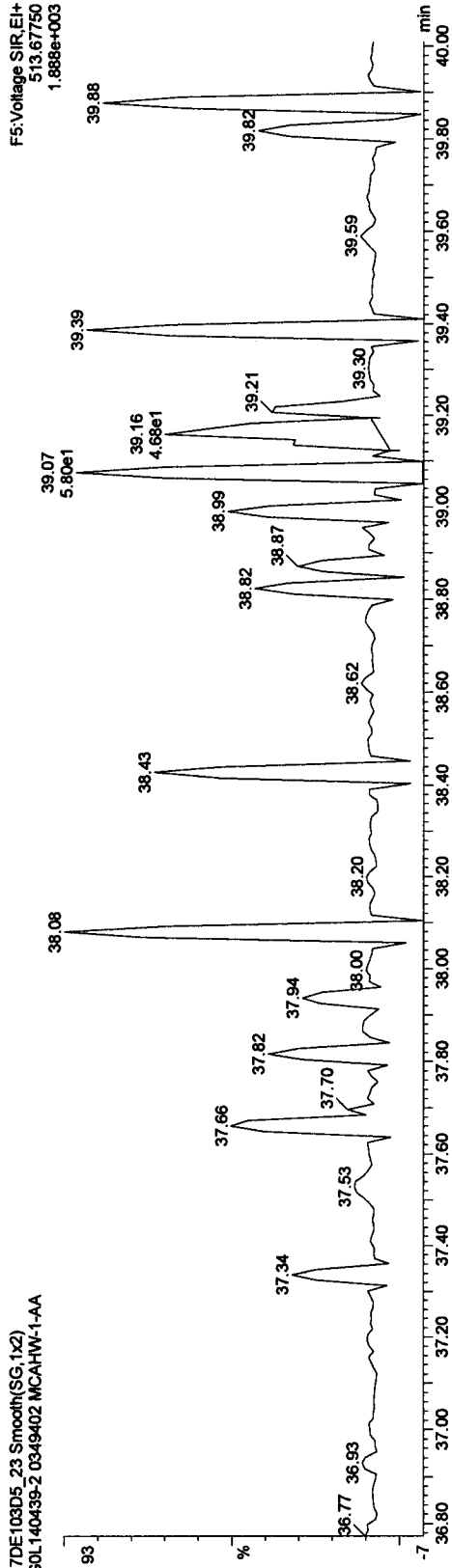
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

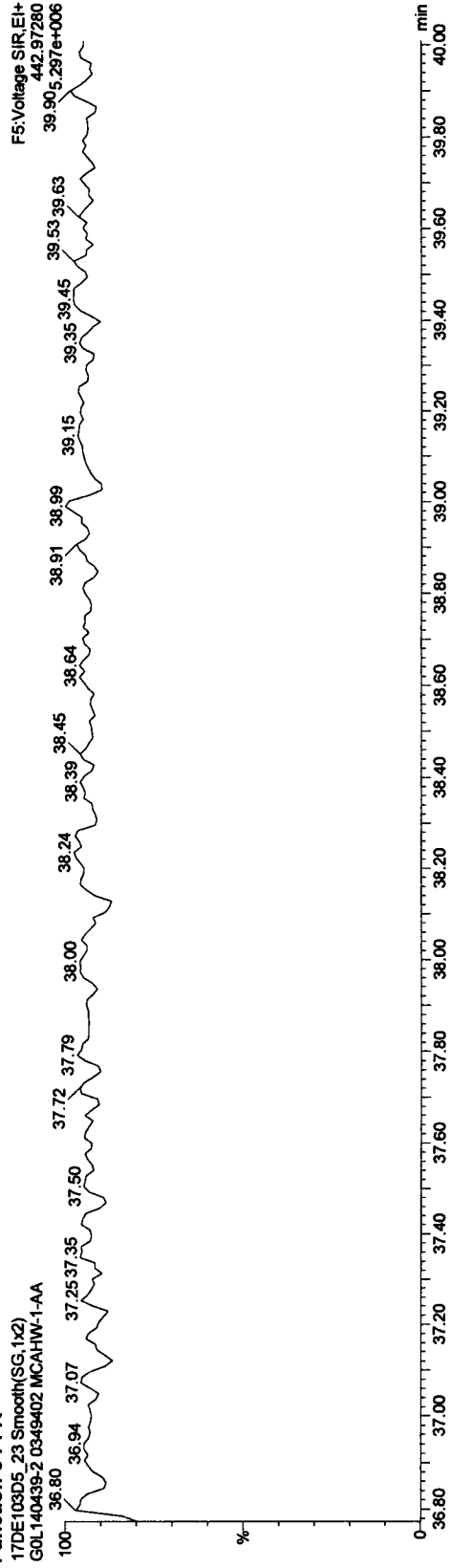
OCDF PCDPE

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Function 5 PFK

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Quantify Sample Report MassLynx 4.1

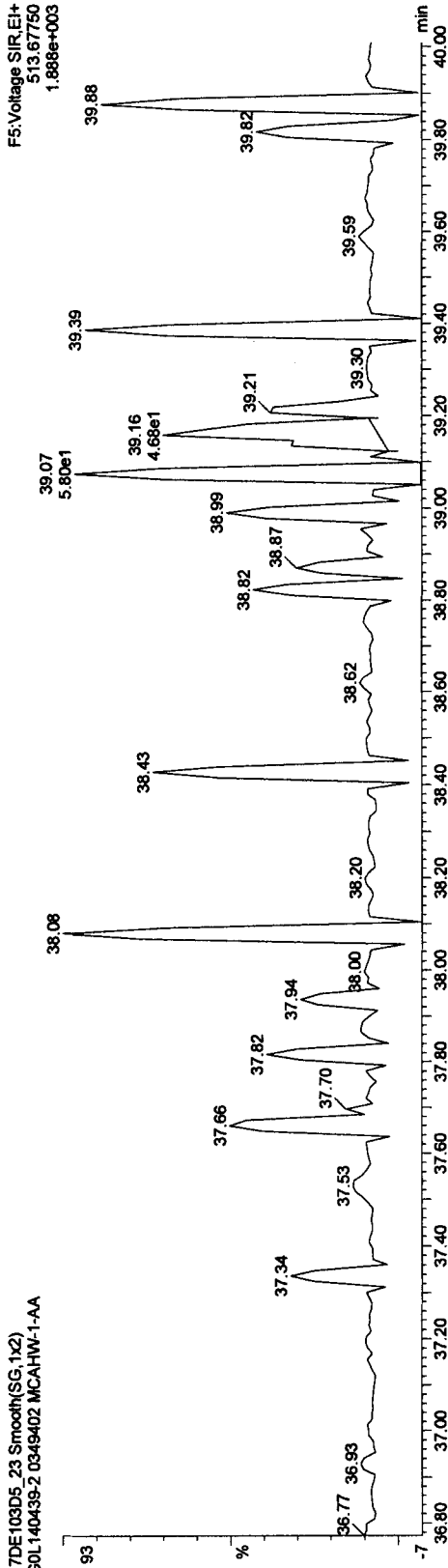
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_23, Date: 18-Dec-2010, Time: 00:40:23, ID: MCAHW-1-AA, Description: GOL140439-2 0349402

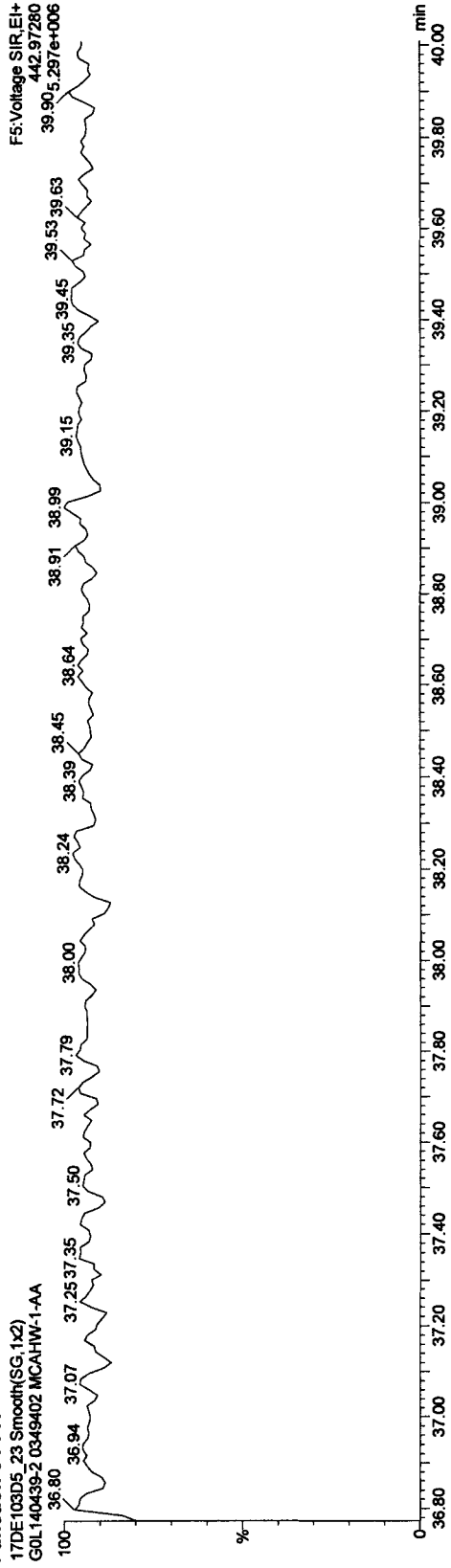
OCDF PCDPE

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA



Function 5 PFK

17DE103D5_23 Smooth(SG,1x2)
GOL140439-2 0349402 MCAHW-1-AA

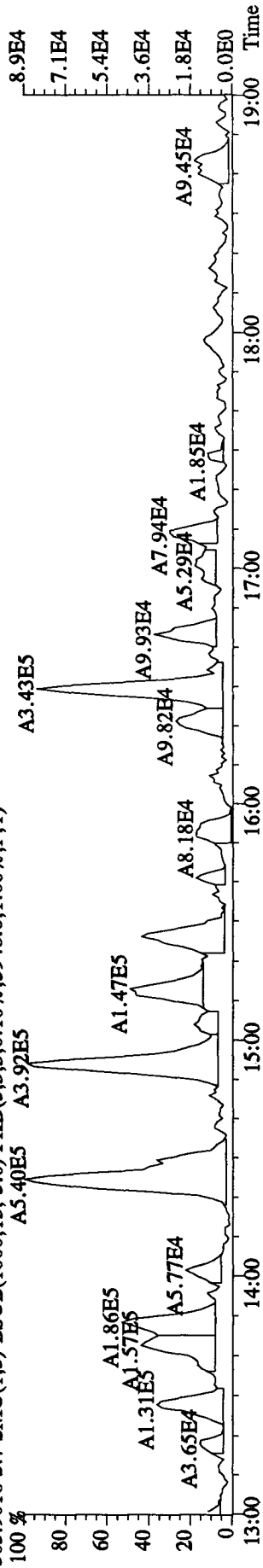


Run text: MCAHW-1-AA Sample text: MCAHW-1-AA :GOL140439-2
 Run #8 Filename: 18DE105D2 S: 7 I: 1 Results: 18DE105D2DB225AIR
 Acquired: 18-DEC-10 11:27:45 Processed: 18-DEC-10 14:50:03
 Run: 18DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Sample

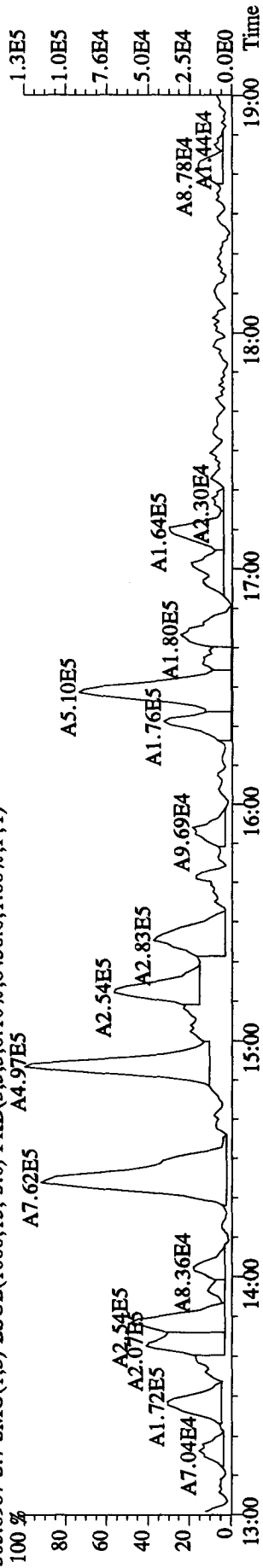
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	141421100	0.78 y	15:15	-	149.06	-	-	n
13C-2,3,7,8-TCDF	249769000	0.78 y	16:28	2.02	3492.77	11.24	87.3	n
2,3,7,8-TCDF	853776	0.67 y	16:29	1.01	13.51 /	3.27 /	-	n
13C-2,3,7,8-TCDD	113006600	0.77 y	14:56	0.99	3244.69	15.99	81.1	n
2,3,7,8-TCDD	*	* n	NotFnd	1.56	(*)	5.57	-	n
37Cl-2,3,7,8-TCDD	73072800	1.00 y	14:57	1.77	1458.04	8.56	91.1	n

OS
12-21-10

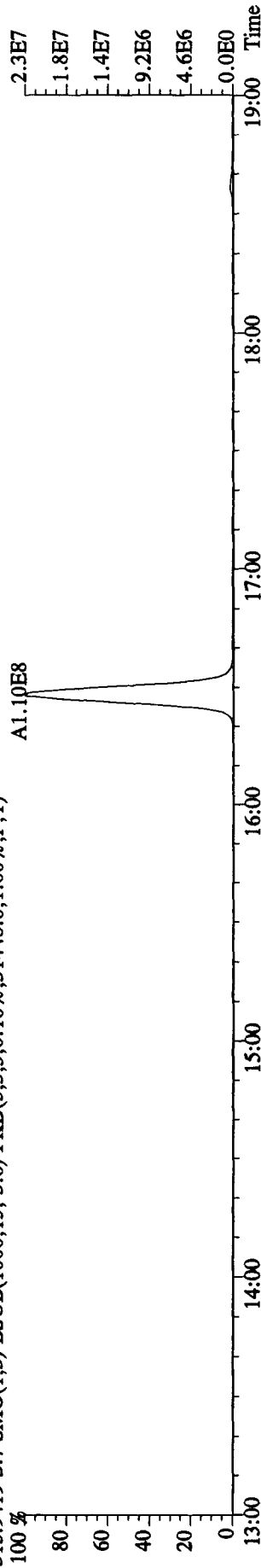
File:18DE105D2 #1-1242 Acq:18-DEC-2010 11:27:45 GC EI+ Voltage SIR 70SE
 Sample#7 Text:MCAHW-1-AA :GOL140439-2 Exp:DB225RES
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5948.0,1.00%,F,T)



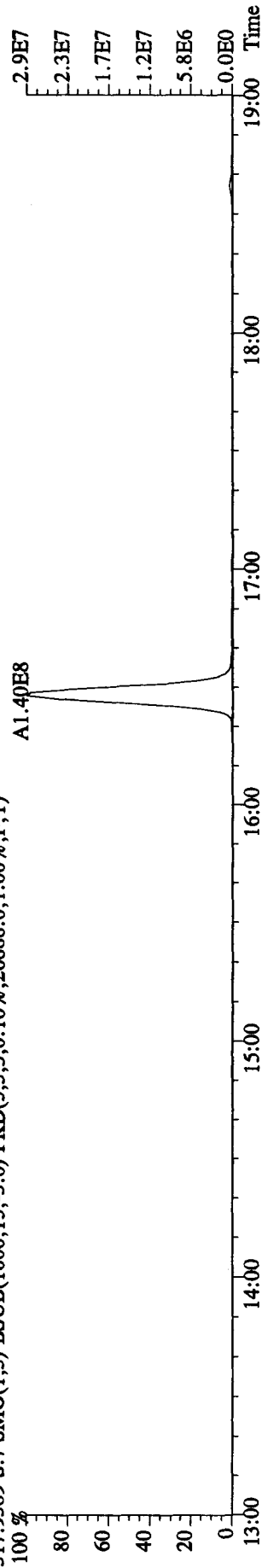
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8436.0,1.00%,F,T)



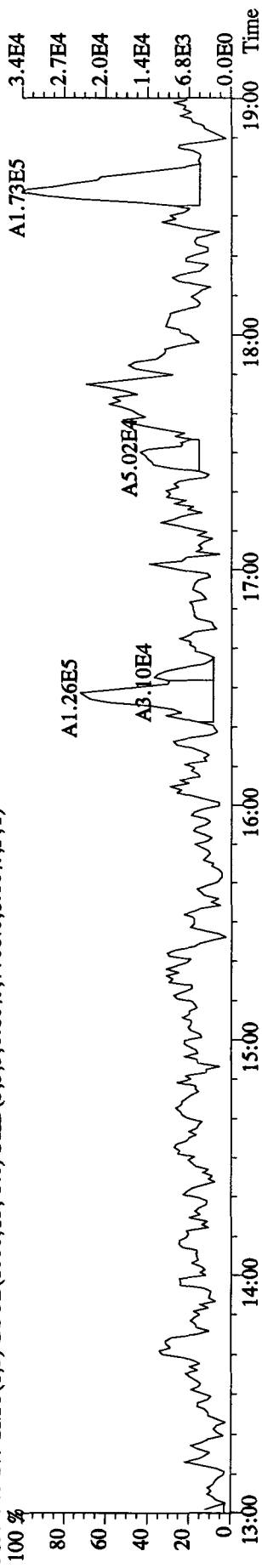
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31448.0,1.00%,F,T)



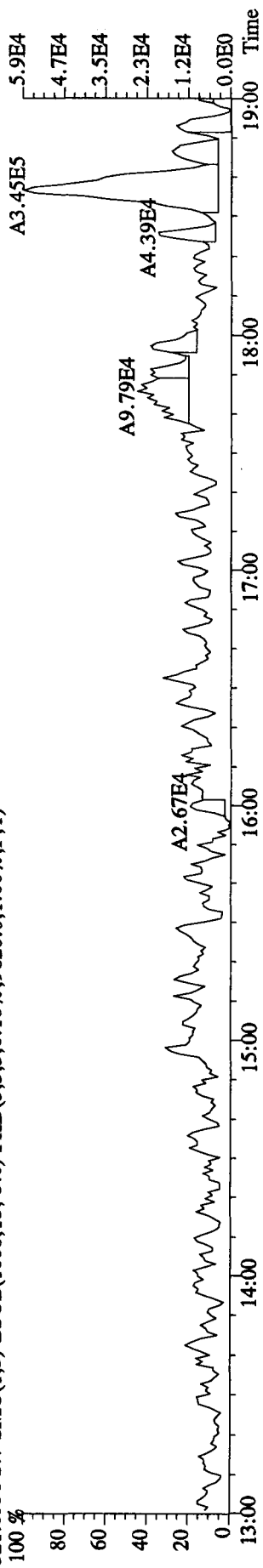
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26888.0,1.00%,F,T)



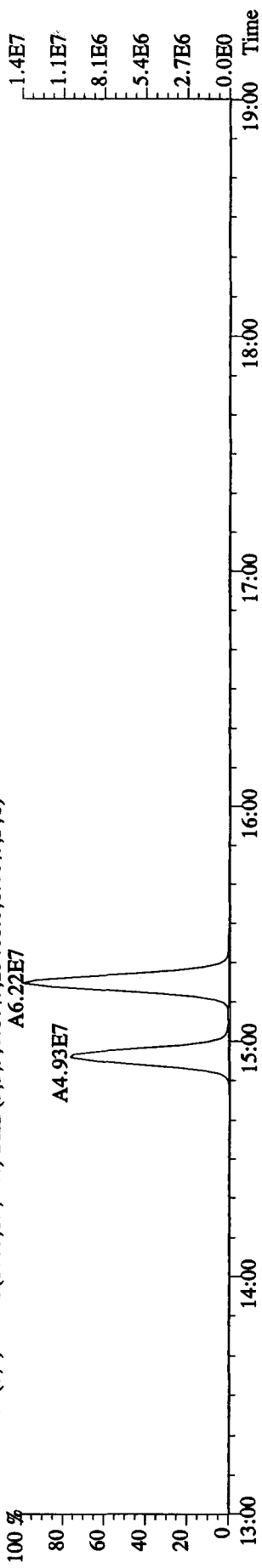
File:18DE105D2 #1-1242 Acq:18-DEC-2010 11:27:45 GC EI+ Voltage SIR 70SE
 Sample#7 Text:MCAHW-1-AA :GOL140439-2 Exp:DB225RES
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7708,0,1.00%,F,T)



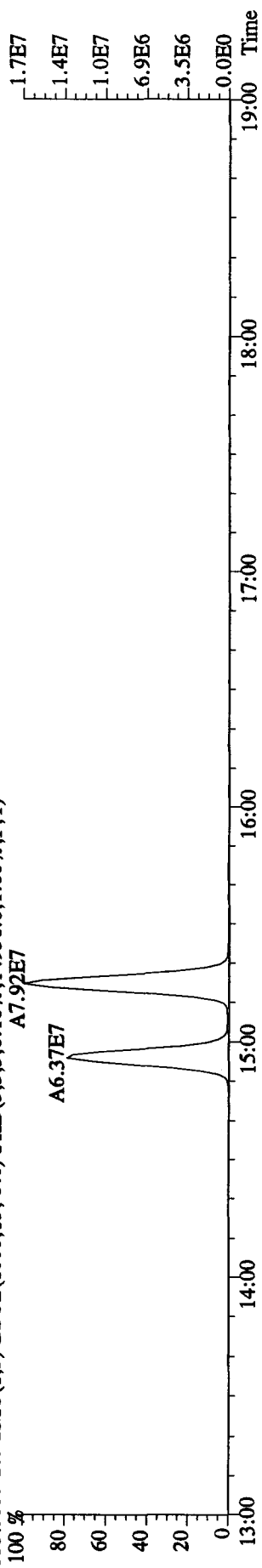
321.8936 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9620,0,1.00%,F,T)



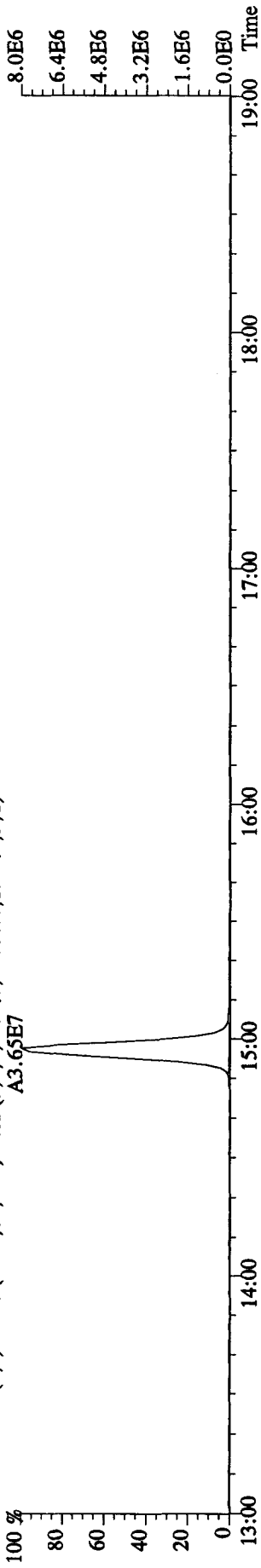
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25468,0,1.00%,F,T)



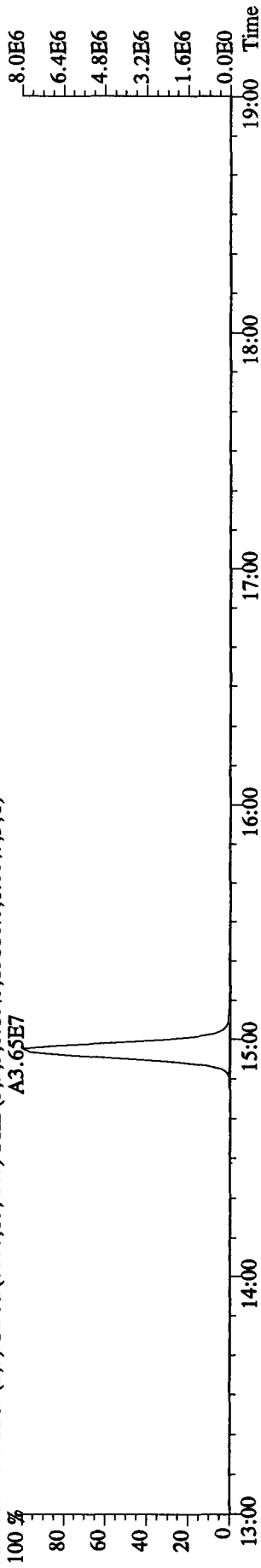
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14936,0,1.00%,F,T)



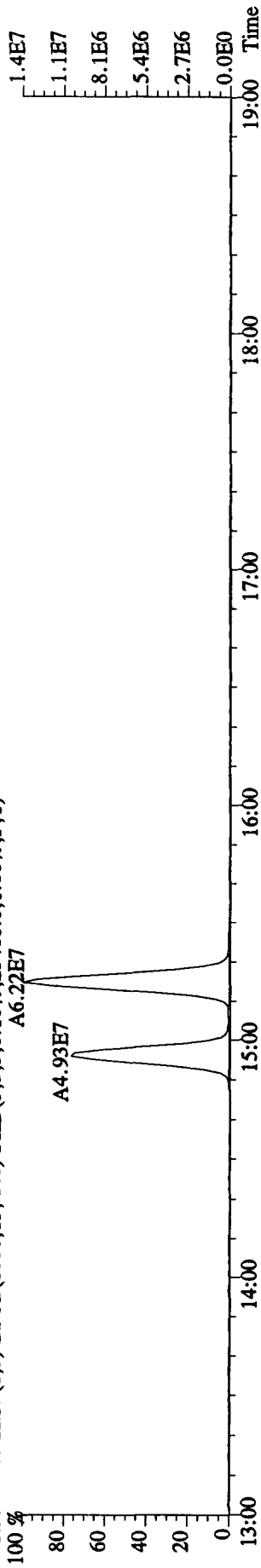
File:18DE105D2 #1-1242 Acq:18-DEC-2010 11:27:45 GC EI+ Voltage SIR 70SE
 Sample#7 Text:MCAHW-1-AA :G0L140439-2 Exp:DB225RES
 327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15116.0,1.00%,F,T)
 A3.65E7



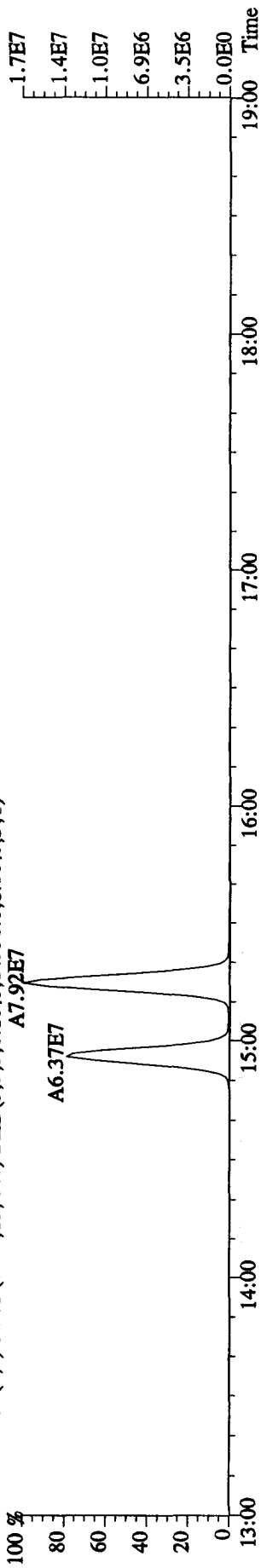
327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15116.0,1.00%,F,T)
 A3.65E7



331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25468.0,1.00%,F,T)
 A6.22E7

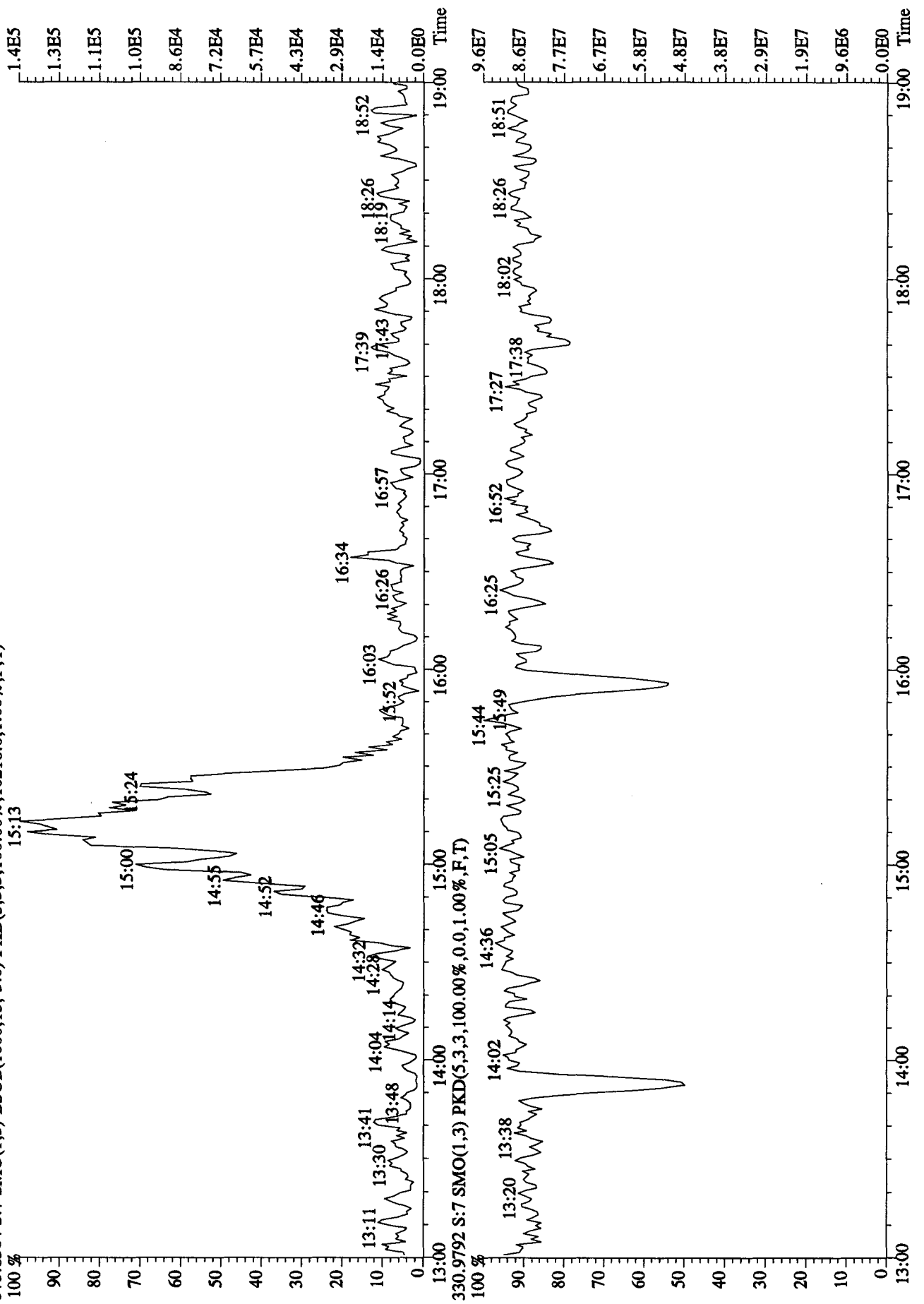


333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14936.0,1.00%,F,T)
 A7.92E7



A6.37E7

File: 18DE105D2 #1-1242 Acq: 18-DEC-2010 11:27:45 GC EI+ Voltage SIR 70SE
 Sample#7 Text: MCAHW-1-AA :GOL140439-2 Exp: DB225RES
 375.8364 S: 7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,10216.0,1.00%,F,T)



Quantify Sample Summary Report

MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:44:50 Pacific Standard Time
Printed: Tuesday, December 21, 2010 10:45:11 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: G0L140439-5 0349402

05-21-10
12-21-10

# 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	18.69	18.69	1.000	2184861.63	4000.0000	4000.0000	100.0	3.4697	0.755	0.770	NO
2													
3 13C-2,3,7,8-TCDF	315.9419	0.50000	18.13	18.17	1.330	2424206.88	3337.1476	3337.1476	83.4 / 1.7123	0.805	0.770	NO	
4 2,3,7,8-TCDF	303.9016	0.50000	18.17	18.14	0.972	8934.86	15.1751	15.1751	15.1751 / 0.7602	0.793	0.770	NO	
5 Total TCDFs	303.9016	0.50000		21.44	0.972		92.5178	92.5178	92.5178 / 0.7602				
6													
7 13C-2,3,7,8-TCDD	331.9368	0.50000	18.88	18.89	0.890	1616310.19	3325.1185	3325.1185	83.1 / 3.8988	0.709	0.770	NO	
8 2,3,7,8-TCDD	319.8965	0.50000	18.88	18.91	1.009	285.43	0.7002	0.7002	0.7002 / 0.8523	0.141	0.770	YES	
9 Total TCDDs	319.8965	0.50000		19.55	1.009		7.2009	7.2009	7.2009 / 0.8523				
10													
11 37CL-2,3,7,8-TCDD	327.8847	0.50000	18.90	18.89	0.649	472419.31	1800.3110	0.0000	112.5	1.5300			
12													
13 13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.50	23.53	0.971	1993190.69	3759.2310	3759.2310	94.0 / 4.8657	1.569	1.550	NO	
14 1,2,3,7,8-PeCDF	339.8597	0.50000	23.53	23.53	1.069	3423.00	6.4253	6.4253	6.4253 / 1.1313	1.502	1.550	NO	
15 2,3,4,7,8-PeCDF	339.8597	0.50000		24.95	1.028				3.8418 / 1.1760	0.000	1.550	YES	
16 Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		36.5942	36.5942	36.5942 / 1.1532				
17 Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		3.6219	3.6219	3.6219 / 0.6546				
18													
19 13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.70	25.74	0.715	1473730.31	3772.3375	3772.3375	94.3 / 3.4916	1.544	1.550	NO	
20 1,2,3,7,8-PeCDD	355.8546	0.50000		25.73	0.884				ND	1.2846	1.550		
21 Total PeCDDs	355.8546	0.50000		31.10	0.884		3.7160	3.7160	3.7160 / 1.2846				
22													
23 13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.69	32.74	1.000	1711812.25	4000.0000	4000.0000	100.0	3.4250	1.286	1.240	NO
24													
25 13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.36	31.38	1.084	1573504.31	3390.6662	3390.6662	84.8 / 6.4189	0.503	0.510	NO	
26 1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.39	31.38	1.219	4577.72	9.5502	9.5502	9.5502 / 0.7784	1.222	1.240	NO	
27 1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.52	31.51	1.396	3951.17	7.1937	5.9760	5.9760 / 0.6793	0.851	1.240	YES	
28 2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.16	32.15	1.237	1054.95	2.1671	1.9886	1.9886 / 0.7665	1.441	1.240	YES	
29 1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.88	32.86	1.078	613.15	1.4456	1.2498	1.2498 / 0.8797	1.591	1.240	YES	
30 Total HxCDFs	373.8208	0.50000		0.00	1.233		52.1119	46.0000	46.0000 / 0.7695				

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

48.91301

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 10:28:46 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: G0L140439-5 0349402

# Name	Quan	Trace	Sample Size	RT	Pred.FT	RRF M...	Abs Resp	Conc.	EMPC %Rec	EDL	Ratio	Pri:Ratio	Pa Flag	Mod:Date
31														
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.40	0.894	0.894	1403593.81	3666.6794	91.7 /	3.8291	1.256	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.32	32.33	1.028	279.00	0.7737	J	0.5984	1.166	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.42	32.41	1.111	723.99	1.8579	J, Q	0.5537	0.825	1.240	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.70	32.70	1.113	782.67	2.0044	J, Q	0.5526	1.631	1.240	YES	
36	Total HxCDDs	389.8157	0.50000	0.00	0.00	1.084		19.8979	18.5449 17.6971	0.5675				
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.23	34.22	0.881	1292849.06	3429.8072	85.7 /	10.4593	0.454	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.25	34.25	1.402	14238.88	31.4299	J, Q	0.6665	1.202	1.040	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.38	35.35	1.199	3347.62	8.6375	J	0.7791	0.887	1.040	NO	
41	Total HpCDFs	407.7818	0.50000	0.00	0.00	1.300		55.1615	51.8406	0.7184				
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.05	35.02	0.857	1198369.13	3265.9487	81.6 /	6.4897	1.039	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.07	35.06	0.981	5679.57	19.3232	J	0.9431	0.992	1.040	NO	
45	Total HpCDDs	423.7766	0.50000	-0.02	-0.02	0.981		49.4511	46.1192 43.1591	0.9431				
46														
47	13C-OCDD	469.7779	0.50000	37.53	37.45	0.643	1829035.88	6645.1210	83.1 /	10.2771	0.932	0.890	NO	
48	OCDF	441.7428	0.50000	37.64	37.64	1.477	21759.79	64.4353	J	1.1040	0.794	0.890	NO	
49	OCDD	457.7377	0.50000	37.53	37.54	1.196	15194.80	55.5595	J	1.4114	0.874	0.890	NO	
50														
51														
52	Function 1 PFK	330.97920	1.00000											
53	Function 2 PFK	342.97920	1.00000											
54	Function 3 PFK	380.97600	1.00000											
55	Function 4 PFK	430.97290	1.00000											
56	Function 5 PFK	442.97280	1.00000											
57	TCDF PCDFE	375.8364	1.00000	20.27	20.25	17.814	0.31	0.0172	1.7	0.1566				
58	F1 PeCDF PCDFE	409.79740	1.00000		19.31	97.109				0.0000				
59	F2 PeCDF PCDFE	409.7974	1.00000		28.29	51.063				0.0000				
60	HxCDF PCDFE	445.7555	1.00000	33.14	33.24	21.191	86.22	4.0690		0.5876				
61	HPCDF PCDFE	479.7165	1.00000	34.29	34.27	39.173	116.97	2.9861		3.5190				
62	OCDF PCDFE	513.67750	1.00000		39.16	27.302				0.0000				

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time

Printed: Tuesday, December 21, 2010 10:28:46 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

Total TCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	5 Total TCDFs	303.9016	16.13	652.335	1.1079	0.6358	0.97151	0.7602	0.333	0.770	YES	7.492
2	5 Total TCDFs	303.9016	15.94	719.383	1.2218	1.2218	0.97151	0.7602	0.666	0.770	NO	5.954
3	5 Total TCDFs	303.9016	15.59	2154.718	3.6596	3.3810	0.97151	0.7602	0.916	0.770	YES	14.080
4	5 Total TCDFs	303.9016	18.61	1004.720	1.7064	1.7064	0.97151	0.7602	0.839	0.770	NO	7.511
5	4 2,3,7,8-TCDF	303.9016	18.17	8934.865	15.1751	15.1751	0.97151	0.7602	0.793	0.770	NO	45.624
6	5 Total TCDFs	303.9016	17.98	911.649	1.5484	1.5484	0.97151	0.7602	0.858	0.770	NO	6.112
7	5 Total TCDFs	303.9016	17.75	5948.606	10.1032	10.1032	0.97151	0.7602	0.736	0.770	NO	38.790
8	5 Total TCDFs	303.9016	17.58	4151.250	7.0505	6.2138	0.97151	0.7602	0.622	0.770	YES	22.771
9	5 Total TCDFs	303.9016	17.46	4597.213	7.8080	7.8080	0.97151	0.7602	0.828	0.770	NO	24.217
10	5 Total TCDFs	303.9016	17.19	4670.558	7.9325	7.9325	0.97151	0.7602	0.873	0.770	NO	29.722
11	5 Total TCDFs	303.9016	16.95	4200.448	7.1341	7.1341	0.97151	0.7602	0.750	0.770	NO	19.473
12	5 Total TCDFs	303.9016	16.65	5222.469	8.8699	8.8699	0.97151	0.7602	0.675	0.770	NO	26.939
13	5 Total TCDFs	303.9016	16.39	11304.788	19.2002	19.2002	0.97151	0.7602	0.776	0.770	NO	64.811

Total TCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	8 2,3,7,8-TCDD	319.8965	18.88	285.434	0.7002	0.1984	1.00877	0.8523	0.141	0.770	YES	9.327
2	9 Total TCDDs	319.8965	17.70	410.357	1.0067	0.8881	1.00877	0.8523	1.006	0.770	YES	6.162
3	9 Total TCDDs	319.8965	17.13	230.580	0.5657	0.6210	1.00877	0.8523	0.919	0.770	YES	2.678
4	9 Total TCDDs	319.8965	16.87	1139.044	2.7944	2.2643	1.00877	0.8523	0.544	0.770	YES	21.699
5	9 Total TCDDs	319.8965	16.56	532.429	1.3062	1.1606	1.00877	0.8523	0.992	0.770	YES	5.036
6	9 Total TCDDs	319.8965	21.20	337.396	0.8277	0.2693	1.00877	0.8523	4.628	0.770	YES	2.500

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	22.88	632.871	1.2110	1.0315	1.04877	1.1532	1.994	1.550	YES	3.350
2	1. Total F2 PeCD...	339.8597	22.58	603.199	1.1542	0.7758	1.04877	1.1532	2.794	1.550	YES	2.874
3	1. Total F2 PeCD...	339.8597	22.32	835.099	1.5980	1.3891	1.04877	1.1532	1.933	1.550	YES	4.433
4	1. Total F2 PeCD...	339.8597	22.07	7363.081	14.0893	14.0893	1.04877	1.1532	1.410	1.550	NO	23.923
5	1. Total F2 PeCD...	339.8597	21.84	1050.610	2.0104	1.8475	1.04877	1.1532	1.266	1.550	YES	6.122
6	1. 2,3,4,7,8-PeCDF	339.8597	25.32	348.840	0.6807	0.5761	1.02843	1.1760	2.013	1.550	YES	3.445
7	1. Total F2 PeCD...	339.8597	24.09	1721.474	3.2941	3.2941	1.04877	1.1532	1.450	1.550	NO	5.881
8	1. Total F2 PeCD...	339.8597	23.67	253.896	0.4858	0.2953	1.04877	1.1532	0.586	1.550	YES	3.834
9	1. 1,2,3,7,8-PeCDF	339.8597	23.53	3423.001	6.4253	6.4253	1.06912	1.1313	1.502	1.550	NO	15.073
10	1. Total F2 PeCD...	339.8597	23.40	911.182	1.7436	1.3186	1.04877	1.1532	0.851	1.550	YES	5.676
11	1. Total F2 PeCD...	339.8597	23.00	2394.849	4.5826	3.9543	1.04877	1.1532	1.955	1.550	YES	8.619

→ 3.8478

38.9999

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:44:50 Pacific Standard Time

Printed: Tuesday, December 21, 2010 10:45:11 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: G0L140439-5 0349402

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	20.43	1777.831	3.4019	3.4019	1.04877	0.6546	1.730	1.550	NO	8.890	
2	1. Total F1 PeCD...	339.8597	15.45	114.956	0.2200	0.1778	1.04877	0.6546	0.966	1.550	YES	2.240	

Total PeCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	2. Total PeCDDs	355.8546	24.42	114.310	0.3509	0.2794	0.88408	1.2846	0.938	1.550	YES	2.438	
2	2. Total PeCDDs	355.8546	24.10	208.097	0.6389	0.6389	0.88408	1.2846	1.636	1.550	NO	3.321	
3	2. Total PeCDDs	355.8546	23.55	390.404	1.1986	0.8673	0.88408	1.2846	2.524	1.550	YES	5.297	
4	2. Total PeCDDs	355.8546	23.49	184.694	0.5670	0.4483	0.88408	1.2846	0.925	1.550	YES	5.252	
5	2. Total PeCDDs	355.8546	22.31	312.877	0.9606	0.4006	0.88408	1.2846	0.340	1.550	YES	7.511	

Total HxCDFs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	3. Total HxCDFs	373.8208	29.59	2699.431	5.5672	4.9771	1.23262	0.7695	1.506	1.240	YES	9.594	
2	3. Total HxCDFs	373.8208	32.96	820.678	1.6925	1.6925	1.23262	0.7695	1.059	1.240	NO	5.400	
3	2. 1,2,3,7,8,9-Hx...	373.8208	32.88	613.147	1.4456	1.2498	1.07822	0.8797	1.591	1.240	YES	4.955	
4	2. 2,3,4,6,7,8-Hx...	373.8208	32.16	1054.950	2.1671	1.9886	1.23749	0.7665	1.441	1.240	YES	7.797	
5	3. Total HxCDFs	373.8208	32.13	1075.134	2.2173	2.2173	1.23262	0.7695	1.087	1.240	NO	7.451	
6	3. Total HxCDFs	373.8208	31.89	1414.458	2.9171	2.5418	1.23262	0.7695	0.932	1.240	YES	6.410	
7	3. Total HxCDFs	373.8208	31.65	999.223	2.0607	1.8322	1.23262	0.7695	1.520	1.240	YES	7.502	
8	2. 1,2,3,6,7,8-Hx...	373.8208	31.52	3951.166	7.1937	5.9760	1.39626	0.6793	0.851	1.240	YES	25.702	
9	2. 1,2,3,4,7,8-Hx...	373.8208	31.39	4577.722	9.5502	9.5502	1.21851	0.7784	1.222	1.240	NO	31.545	
10	3. Total HxCDFs	373.8208	30.53	998.226	2.0587	1.8927	1.23262	0.7695	1.436	1.240	YES	3.738	
11	3. Total HxCDFs	373.8208	30.24	119.376	0.2462	0.1797	1.23262	0.7695	2.069	1.240	YES	1.325	
12	3. Total HxCDFs	373.8208	29.92	5102.214	10.5226	10.5226	1.23262	0.7695	1.250	1.240	NO	20.452	
13	3. Total HxCDFs	373.8208	31.35	1498.103	3.0896	3.0896	1.23262	0.7695	1.224	1.240	NO	22.056	
14	3. Total HxCDFs	373.8208	30.80	670.808	1.3834	1.3834	1.23262	0.7695	1.284	1.240	NO	4.723	

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1													

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time

Printed: Tuesday, December 21, 2010 10:28:46 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

Total HxCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	3. 1,2,3,6,7,8-Hx...	389.8157	32.42	723.987	1.8579	1.5169	1.11052	0.5537	0.825	1.240	YES	8.879	
2	3. 1,2,3,4,7,8-Hx...	389.8157	32.32	278.995	0.7737	0.7737	1.02768	0.5984	1.166	1.240	NO	5.016	
3	3. Total HxCDDs	389.8157	32.04	52.649	0.1385	0.0954	1.08365	0.5675	2.251	1.240	YES	1.531	
4	3. Total HxCDDs	389.8157	31.84	253.253	0.6660	0.1766	1.08365	0.5675	7.447	1.240	YES	2.147	
5	3. Total HxCDDs	389.8157	31.69	2118.112	5.5703	5.5703	1.08365	0.5675	1.347	1.240	NO	23.016	
6	3. Total HxCDDs	389.8157	31.41	1535.447	4.0380	4.0380	1.08365	0.5675	1.384	1.240	NO	15.901	
7	3. Total HxCDDs	389.8157	30.69	1555.951	4.0919	4.0919	1.08365	0.5675	1.302	1.240	NO	14.092	
8	3. Total HxCDDs	389.8157	29.11	92.671	0.2437	0.1390	1.08365	0.5675	0.461	1.240	YES	3.723	
9	3. Total HxCDDs	389.8157	33.21	105.644	0.2778	0.2032	1.08365	0.5675	0.680	1.240	YES	2.944	
10	3. Total HxCDDs	389.8157	32.02	89.653	0.2358	0.2006	1.08365	0.5675	0.891	1.240	YES	2.228	
11	3. 1,2,3,7,8,9-Hx...	389.8157	32.70	782.668	2.0044	1.7063	1.11276	0.5526	1.631	1.240	YES	13.350	

#	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	35.38	3347.624	8.6375	8.6375	1.19912	0.7791	0.887	1.040	NO	36.525	
2	4. Total HpCDFs	407.7818	34.55	3814.038	9.0745	8.0624	1.30039	0.7184	0.828	1.040	YES	56.742	
3	4. Total HpCDFs	407.7818	34.44	2530.061	6.0196	6.0196	1.30039	0.7184	0.970	1.040	NO	32.544	
4	3. 1,2,3,4,6,7,8-H...	407.7818	34.25	14238.883	31.4299	29.1211	1.40167	0.6665	1.202	1.040	YES	153.593	

Total HpCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4. Total HpCDDs	423.7766	35.35	683.172	2.3243	0.9063	0.98108	0.9431	4.232	1.040	YES	4.120	
2	4. Total HpCDDs	423.7766	35.18	404.932	1.3777	0.6215	0.98108	0.9431	3.522	1.040	YES	3.489	
3	4. 1,2,3,4,6,7,8-H...	423.7766	35.07	5679.572	19.3232	<u>19.3232</u>	0.98108	0.9431	0.992	1.040	NO	55.491	
4	4. Total HpCDDs	423.7766	34.50	7005.986	23.8359	<u>23.8359</u>	0.98108	0.9431	1.002	1.040	NO	75.934	
5	4. Total HpCDDs	423.7766	34.23	674.859	2.2960	1.1932	0.98108	0.9431	2.925	1.040	YES	4.919	
6	4. Total HpCDDs	423.7766	34.00	86.406	0.2940	0.2391	0.98108	0.9431	1.508	1.040	YES	1.588	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402, Task:

#	Name	Trace	Sample Size	RT	Proct	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.69	18.69	1.00000		2184861.63	4000.0000	4000.0000	100.0	3.46967	0.76	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.13	18.17	1.32993		2424206.88	3337.1476	3337.1476	83.4	1.71234	0.81	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.14	0.97151		8934.86	15.1751	15.1751		0.76019	0.79	NO	
5	Total TCDFs	303.9016	0.500	21.44	0.97151			91.2292	87.9359			0.76019			
6	13C-2,3,7,8-TCDD	331.9368	0.500	18.88	18.89	0.88993		1616310.19	3325.1185	3325.1185	83.1	3.89883	0.71	NO	
7	2,3,7,8-TCDD	319.8965	0.500	18.88	18.91	1.00877		285.43	0.7002	0.1984		0.85228	0.14	YES	
8	Total TCDDs	319.8965	0.500	19.55	1.00877			7.2009	5.2935			0.85228			
9	37CL-2,3,7,8-TCDD	327.8847	0.500	18.90	18.89	0.64940		472419.31	1800.3110	0.0000	112.5	1.52996			
10	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.53	0.97070		1993190.69	3759.2310	3759.2310	94.0	4.86568	1.57	NO	
11	1,2,3,7,8-PeCDF	339.8597	0.500	23.53	23.53	1.06912		3423.00	6.4253	6.4253		1.13126	1.50	NO	
12	2,3,4,7,8-PeCDF	339.8597	0.500	25.32	24.95	1.02843		348.84	0.6807	0.5761		1.17602	2.01	YES	
13	Total F2 PeCDFs	339.8597	0.500	34.47	1.04877			35.1874	32.2947			1.15321			
14	Total F1 PeCDFs	339.8597	0.500	36.56	1.04877			3.6219	3.5797			0.65457			
15	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.74	0.71523		1473730.31	3772.3375	3772.3375	94.3	3.49158	1.54	NO	
16	1,2,3,7,8-PeCDD	355.8546	0.500	25.73	0.88408							1.28463		NO	
17	Total PeCDDs	355.8546	0.500	31.10	0.88408			3.7160	2.6345			1.28463			
18															
19	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.69	32.74	1.00000		1711812.25	4000.0000	4000.0000	100.0	3.42504	1.29	NO	
20															
21	13C-1,2,3,4,7,8-HxCDF	363.8639	0.500	31.36	31.38	1.08439		1573504.31	3390.6662	3390.6662	84.8	6.41888	0.50	NO	
22	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.39	31.38	1.21851		6088.02	12.7010	12.7010		0.77842	1.21	NO	
23	2,3,6,7,8-HxCDF	373.8208	0.500	31.52	31.51	1.39626		3951.17	7.1937	5.9760		0.67932	0.85	YES	
24	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.15	1.23749		1342.54	2.7579	1.9886		0.76648	2.11	YES	
25	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.96	32.86	1.07822		964.88	2.2749	1.7979		0.87971	0.78	YES	
26	Total HxCDFs	373.8208	0.500	0.00	1.23262			48.2015	42.7841			0.76951			
27															
28	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.40	32.40	0.89448		1403593.81	3666.6794	3666.6794	91.7	3.82907	1.26	NO	
29	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.32	32.33	1.02768		279.00	0.7737	0.7737		0.59838	1.17	NO	
30	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.42	32.41	1.11052		723.99	1.8579	1.5169		0.55374	0.82	YES	
31	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.70	32.70	1.11276		782.67	2.0044	1.7063		0.55263	1.63	YES	

TestAmerica West Sacramento (916) 373-0500

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402, 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	1.08365			16.8304	13.2559		0.56747			
37														
38 13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.23	34.22	0.88081	1292849.06	3429.8072	3429.8072	3429.8072	85.7	10.45930	0.45	NO	
39 1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.25	34.25	1.40167	14238.88	31.4299	29.1211	29.1211		0.66647	1.20	YES	
40 1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.38	35.35	1.19912	3347.62	8.6375	8.6375	8.6375		0.77905	0.89	NO	
41 Total HpCDFs	407.7818	0.500		0.00	1.30039		54.6111	52.3024	52.3024		0.71838			
42														
43 13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.02	0.85740	1198369.13	3265.9487	3265.9487	3265.9487	81.6	6.48969	1.04	NO	
44 1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.07	35.06	0.98108	5679.57	19.3232	19.3232	19.3232		0.94308	0.99	NO	
45 Total HpCDDs	423.7766	0.500		-0.02	0.98108		49.4511	46.1192	46.1192		0.94308			
46														
47 13C-OCDD	469.7779	0.500	37.53	37.45	0.64317	1829035.88	6645.1210	6645.1210	6645.1210	83.1	10.27708	0.93	NO	
48 OCDF	441.7428	0.500	37.64	37.64	1.47706	21759.79	64.4353	64.4353	64.4353		1.10403	0.79	NO	
49 OCDD	457.7377	0.500	37.53	37.54	1.19620	15194.80	55.5595	55.5595	55.5595		1.41145	0.87	NO	
50														
51														
52 Function 1 PFK	330.97920	1.000		0.00										
53 Function 2 PFK	342.97920	1.000		0.00										
54 Function 3 PFK	380.97600	1.000		0.00										
55 Function 4 PFK	430.97290	1.000		0.00										
56 Function 5 PFK	442.97280	1.000		0.00										
57 TCDF PCDFE	375.8364	1.000	20.27	20.25	17.814...	0.31	0.0172	0.0172	0.0172	1.7	0.15659			
58 F1 PeCDF PCDFE	409.79740	1.000		19.31	97.109...						0.00000			
59 F2 PeCDF PCDFE	409.7974	1.000		28.29	51.062...						0.00000			
60 HxCDF PCDFE	445.7555	1.000	33.14	33.24	21.190...	86.22	4.0690	4.0690	4.0690	406.9	0.58757			
61 HPCDF PCDFE	479.7165	1.000	34.29	34.27	39.173...	116.97	2.9861	2.9861	2.9861	298.6	3.51895			
62 OCDF PCDFE	513.67750	1.000		39.16	27.302...						0.00000			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: G0L140439-5 0349402, Task:

Total TCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Rel	Rel	Rel	S/N
1	5 Total TCDFs	303.9016	16.13	652.335	1.1079	0.6358	0.97151	0.7602	0.333	0.770	YES	7.492	
2	5 Total TCDFs	303.9016	15.94	719.383	1.2218	1.2218	0.97151	0.7602	0.666	0.770	NO	5.954	
3	5 Total TCDFs	303.9016	15.59	2154.718	3.6596	3.3810	0.97151	0.7602	0.916	0.770	YES	14.080	
4	5 Total TCDFs	303.9016	18.61	1004.720	1.7064	1.7064	0.97151	0.7602	0.839	0.770	NO	7.511	
5	4 2,3,7,8-TCDF	303.9016	18.17	8934.865	15.1751	15.1751	0.97151	0.7602	0.793	0.770	NO	45.624	
6	5 Total TCDFs	303.9016	17.98	911.649	1.5484	1.5484	0.97151	0.7602	0.858	0.770	NO	6.112	
7	5 Total TCDFs	303.9016	17.75	5948.606	10.1032	10.1032	0.97151	0.7602	0.736	0.770	NO	38.790	
8	5 Total TCDFs	303.9016	17.58	4151.250	7.0505	6.2138	0.97151	0.7602	0.622	0.770	YES	22.771	
9	5 Total TCDFs	303.9016	17.46	4201.325	7.1356	7.1356	0.97151	0.7602	0.670	0.770	NO	24.217	
10	5 Total TCDFs	303.9016	17.19	4670.558	7.9325	7.9325	0.97151	0.7602	0.873	0.770	NO	29.722	
11	5 Total TCDFs	303.9016	16.95	3016.517	5.1233	3.9953	0.97151	0.7602	0.513	0.770	YES	19.756	
12	5 Total TCDFs	303.9016	16.89	1317.522	2.2377	1.6599	0.97151	0.7602	1.386	0.770	YES	10.682	
13	5 Total TCDFs	303.9016	16.65	5222.469	8.8699	8.8699	0.97151	0.7602	0.675	0.770	NO	26.939	
14	5 Total TCDFs	303.9016	16.39	10808.406	18.3572	18.3572	0.97151	0.7602	0.698	0.770	NO	64.811	

Total TCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Rel	Rel	Rel	S/N
1	8 2,3,7,8-TCDD	319.8965	18.88	285.434	0.7002	0.1984	1.00877	0.8523	0.141	0.770	YES	9.327	
2	9 Total TCDDs	319.8965	17.70	410.357	1.0067	0.8881	1.00877	0.8523	1.006	0.770	YES	6.162	
3	9 Total TCDDs	319.8965	17.13	230.580	0.5657	0.5218	1.00877	0.8523	0.919	0.770	YES	2.678	
4	9 Total TCDDs	319.8965	16.87	1139.044	2.7944	2.2643	1.00877	0.8523	0.544	0.770	YES	21.699	
5	9 Total TCDDs	319.8965	16.56	532.429	1.3062	1.1606	1.00877	0.8523	0.992	0.770	YES	5.036	
6	9 Total TCDDs	319.8965	21.20	337.396	0.8277	0.2603	1.00877	0.8523	4.628	0.770	YES	2.500	

Total F2 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Rel	Rel	Rel	S/N
1	... Total F2 PeCD...	339.8597	22.88	638.242	1.2213	1.0315	1.04877	1.1532	2.019	1.550	YES	3.350	
2	... Total F2 PeCD...	339.8597	22.58	603.199	1.1542	0.7758	1.04877	1.1532	2.794	1.550	YES	2.874	
3	... Total F2 PeCD...	339.8597	22.32	835.099	1.5980	1.3891	1.04877	1.1532	1.933	1.550	YES	4.433	
4	... Total F2 PeCD...	339.8597	22.07	7363.081	14.0893	14.0893	1.04877	1.1532	1.410	1.550	NO	23.923	
5	... Total F2 PeCD...	339.8597	21.84	1050.610	2.0104	1.8475	1.04877	1.1532	1.266	1.550	YES	6.122	
6	... 2,3,4,7,8-PeCDF	339.8597	25.32	348.840	0.6807	0.5761	1.02843	1.1760	2.013	1.550	YES	3.445	
7	... Total F2 PeCD...	339.8597	24.09	1289.504	2.4675	1.6496	1.04877	1.1532	2.814	1.550	YES	5.315	
8	... Total F2 PeCD...	339.8597	23.67	253.896	0.4858	0.2953	1.04877	1.1532	0.586	1.550	YES	3.834	
9	... 1,2,3,7,8-PeCDF	339.8597	23.53	3423.001	6.4253	6.4253	1.06912	1.1313	1.502	1.550	NO	15.073	
10	... Total F2 PeCD...	339.8597	23.40	911.182	1.7436	1.3186	1.04877	1.1532	0.851	1.550	YES	5.676	
11	... Total F2 PeCD...	339.8597	23.00	1730.514	3.3114	2.8965	1.04877	1.1532	1.135	1.550	YES	8.619	

Total F1 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Rel	Rel	Rel	S/N
1	... Total F1 PeCD...	339.8597	20.43	1777.831	3.4019	3.4019	1.04877	0.6546	1.730	1.550	NO	8.890	
2	... Total F1 PeCD...	339.8597	15.45	114.956	0.2200	0.1778	1.04877	0.6546	0.966	1.550	YES	2.240	

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402, Task:

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1	Total PeCDDs	355.8546	24.42	114.310	0.3509	0.2794	0.88408	1.2846	0.938	1.550	YES	2.438
2	Total PeCDDs	355.8546	24.10	208.097	0.6389	0.6389	0.88408	1.2846	1.636	1.550	NO	3.321
3	Total PeCDDs	355.8546	23.55	390.404	1.1986	0.8673	0.88408	1.2846	2.524	1.550	YES	5.297
4	Total PeCDDs	355.8546	23.49	184.694	0.5670	0.4483	0.88408	1.2846	0.925	1.550	YES	5.252
5	Total PeCDDs	355.8546	22.30	312.877	0.9606	0.4006	0.88408	1.2846	0.340	1.550	YES	7.511

Total HxCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1	Total HxCDFs	373.8208	29.59	1522.655	3.1402	2.6303	1.23262	0.7695	1.674	1.240	YES	8.229
2	Total HxCDFs	373.8208	29.52	730.000	1.5055	0.7855	1.23262	0.7695	3.293	1.240	YES	5.365
3	1,2,3,7,8,9-Hx...	373.8208	32.96	964.882	2.2749	1.7979	1.07822	0.8797	0.778	1.240	YES	4.893
4	2,3,4,6,7,8-Hx...	373.8208	32.16	1342.541	2.7579	1.9886	1.23749	0.7665	2.106	1.240	YES	7.797
5	Total HxCDFs	373.8208	32.08	807.249	1.6648	1.0881	1.23262	0.7695	0.567	1.240	YES	7.451
6	Total HxCDFs	373.8208	31.89	1227.029	2.5306	1.8436	1.23262	0.7695	0.676	1.240	YES	6.410
7	Total HxCDFs	373.8208	31.65	999.223	2.0607	1.8322	1.23262	0.7695	1.519	1.240	YES	7.502
8	1,2,3,6,7,8-Hx...	373.8208	31.52	3951.166	7.1937	5.9760	1.39626	0.6793	0.851	1.240	YES	25.702
9	1,2,3,4,7,8-Hx...	373.8208	31.39	6088.022	12.7010	12.7010	1.21851	0.7784	1.212	1.240	NO	31.733
10	Total HxCDFs	373.8208	30.53	539.177	1.1120	1.0248	1.23262	0.7695	1.042	1.240	YES	3.670
11	Total HxCDFs	373.8208	30.47	238.263	0.4914	0.4139	1.23262	0.7695	0.873	1.240	YES	2.793
12	Total HxCDFs	373.8208	30.24	119.376	0.2462	0.1797	1.23262	0.7695	2.069	1.240	YES	1.325
13	Total HxCDFs	373.8208	29.92	5102.214	10.5226	10.5226	1.23262	0.7695	1.249	1.240	NO	20.452

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1												

Total HxCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1	1,2,3,6,7,8-Hx...	389.8157	32.42	723.987	1.8579	1.5169	1.11052	0.5537	0.825	1.240	YES	8.879
2	1,2,3,4,7,8-Hx...	389.8157	32.32	278.995	0.7737	0.7737	1.02768	0.5984	1.166	1.240	NO	5.016
3	Total HxCDDs	389.8157	32.04	52.649	0.1385	0.0954	1.08365	0.5675	2.252	1.240	YES	1.531
4	Total HxCDDs	389.8157	31.84	253.253	0.6660	0.1766	1.08365	0.5675	7.447	1.240	YES	2.147
5	Total HxCDDs	389.8157	31.69	2118.112	5.5703	5.5703	1.08365	0.5675	1.347	1.240	NO	23.016
6	Total HxCDDs	389.8157	31.41	973.914	2.5612	1.5675	1.08365	0.5675	0.512	1.240	YES	15.901
7	Total HxCDDs	389.8157	30.73	951.028	2.5010	1.3064	1.08365	0.5675	0.407	1.240	YES	14.092
8	Total HxCDDs	389.8157	29.11	92.671	0.2437	0.1390	1.08365	0.5675	0.461	1.240	YES	3.723
9	Total HxCDDs	389.8157	33.21	105.644	0.2778	0.2032	1.08365	0.5675	0.680	1.240	YES	2.944
10	Total HxCDDs	389.8157	32.92	89.653	0.2358	0.2006	1.08365	0.5675	0.891	1.240	YES	2.228
11	1,2,3,7,8,9-Hx...	389.8157	32.70	782.668	2.0044	1.7063	1.11276	0.5526	1.631	1.240	YES	13.350

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1												

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: G0L140439-5 0349402, Task:

Total HpCDFs

#	Name	Trace	RT	Abn Resp	Conc	EMPC	RPF Mean	EDI	Ratio	Relig	Rel	S/N
1	... 1,2,3,4,7,8,9-H...	407.7818	35.38	3347.624	8.6375	8.6375	1.19912	0.7791	0.887	1.040	NO	36.525
2	... Total HpCDFs	407.7818	34.55	3582.724	8.5241	8.5241	1.30039	0.7184	0.931	1.040	NO	56.841
3	... Total HpCDFs	407.7818	34.44	2530.061	6.0196	6.0196	1.30039	0.7184	0.970	1.040	NO	32.544
4	... 1,2,3,4,6,7,8-H...	407.7818	34.25	14238.883	31.4299	29.1211	1.40167	0.6665	1.202	1.040	YES	153.593

Total HpCDDs

#	Name	Trace	RT	Abn Resp	Conc	EMPC	RPF Mean	EDI	Ratio	Relig	Rel	S/N
1	... Total HpCDDs	423.7766	35.35	683.172	2.3243	0.9063	0.98108	0.9431	4.232	1.040	YES	4.120
2	... Total HpCDDs	423.7766	35.18	404.932	1.3777	0.6215	0.98108	0.9431	3.522	1.040	YES	3.489
3	... 1,2,3,4,6,7,8-H...	423.7766	35.07	5679.572	19.3232	19.3232	0.98108	0.9431	0.992	1.040	NO	55.491
4	... Total HpCDDs	423.7766	34.50	7005.986	23.8359	23.8359	0.98108	0.9431	1.002	1.040	NO	75.934
5	... Total HpCDDs	423.7766	34.23	674.859	2.2960	1.1932	0.98108	0.9431	2.925	1.040	YES	4.919
6	... Total HpCDDs	423.7766	34.00	86.406	0.2940	0.2391	0.98108	0.9431	1.508	1.040	YES	1.588

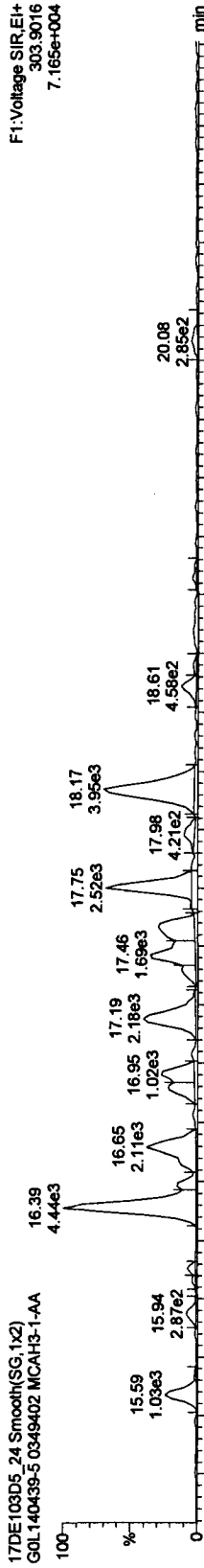
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

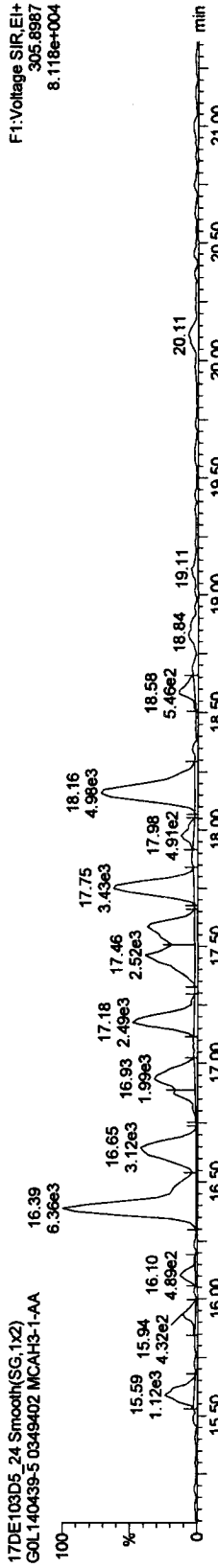
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

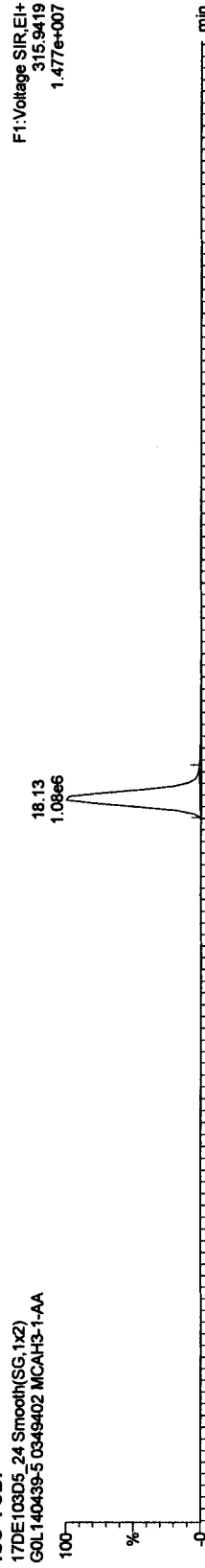
TCDFs



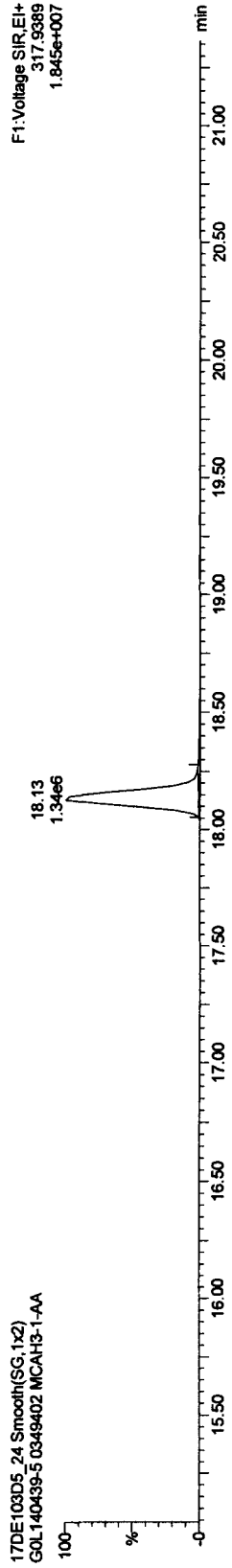
13C-TCDF



13C-TCDF



13C-TCDF



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

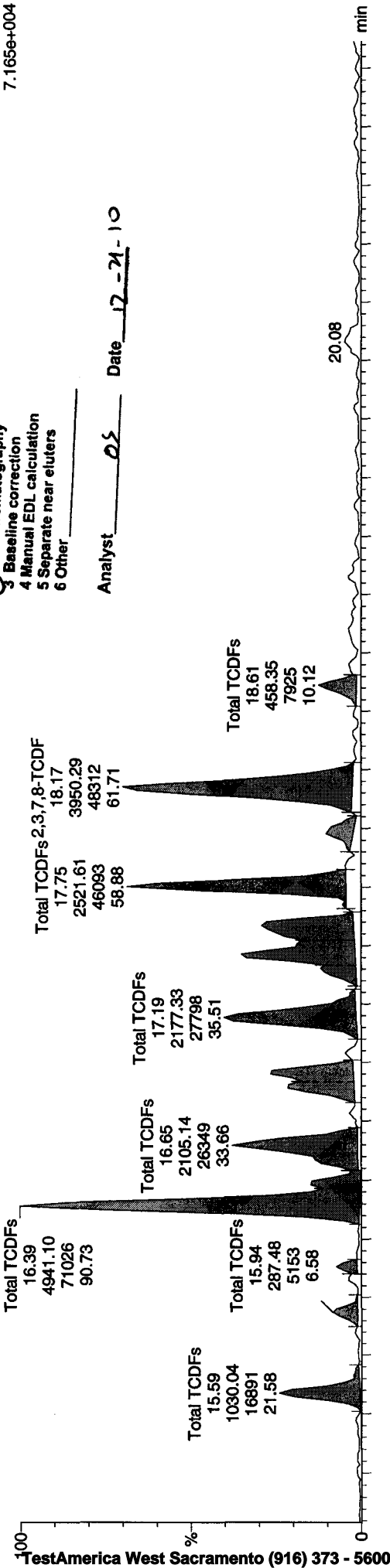
Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 10:28:28 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\T093D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Compound Name: Total TCDFs, Chrom. Trace: 303.9016

Sample Name: 17DE103D5_24

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



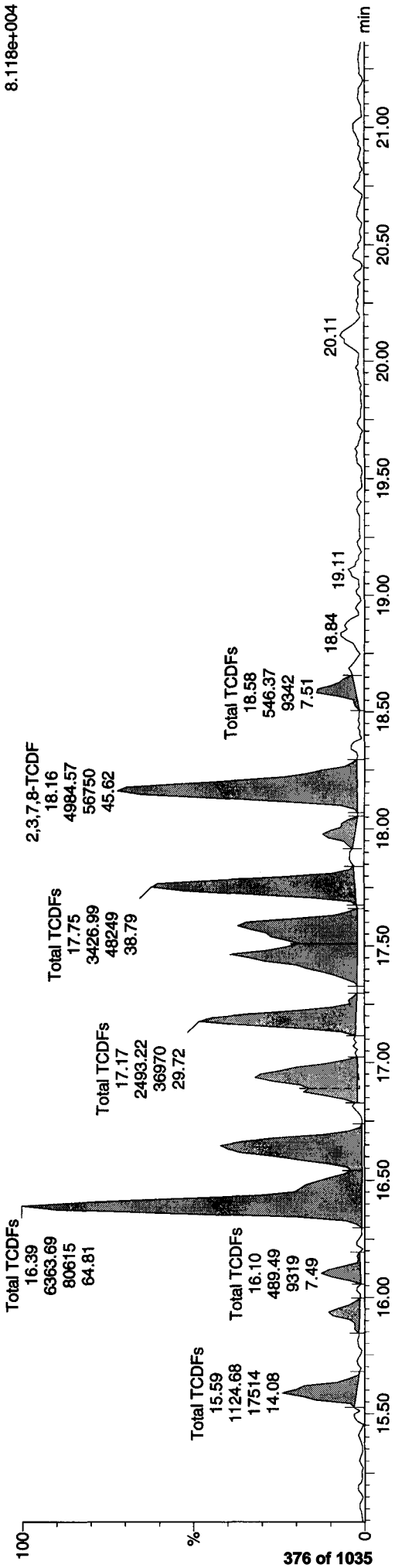
F1: Voltage SIR, EI+
303.9016
7.165e+004

Manual Edit Codes

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

Analyst: DS Date: 12-21-10

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



F1: Voltage SIR, EI+
305.8987
8.118e+004

Quantify Sample Report MassLynx 4.1

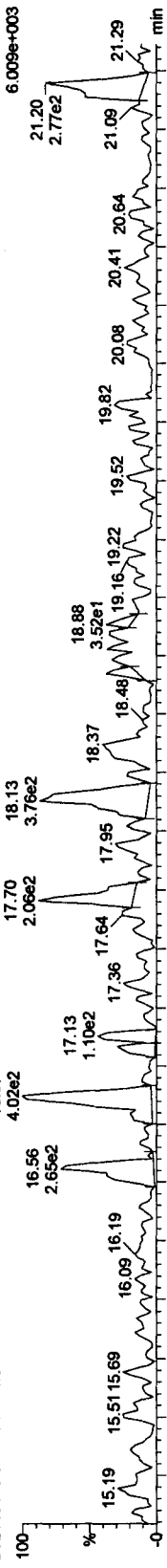
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

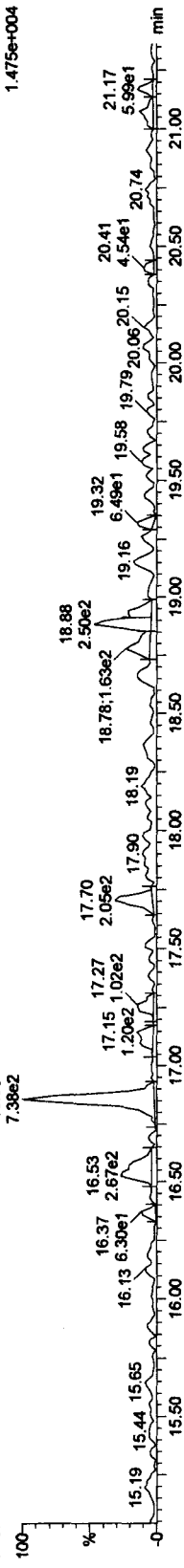
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

TCDDs

17DE103D5_24 Smooth(SG,1x2)
 GOL140439-5 0349402 MCAH3-1-AA

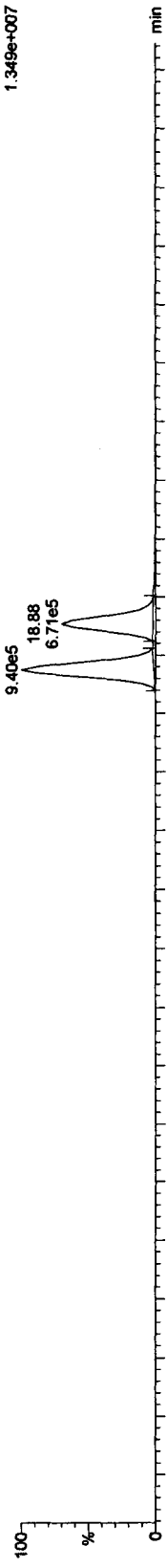


17DE103D5_24 Smooth(SG,1x2)
 GOL140439-5 0349402 MCAH3-1-AA

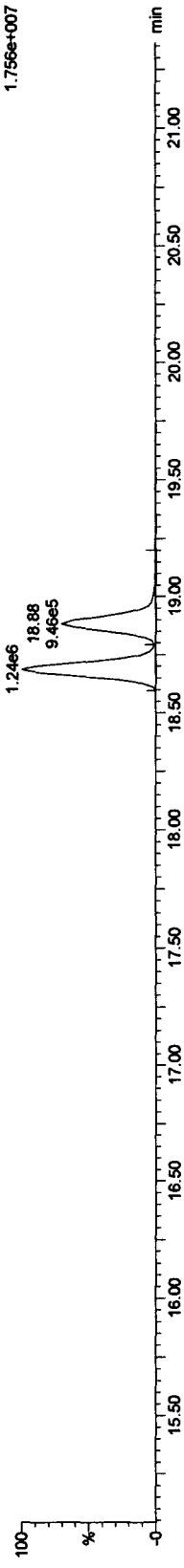


13C-TCDDs

17DE103D5_24 Smooth(SG,1x2)
 GOL140439-5 0349402 MCAH3-1-AA



17DE103D5_24 Smooth(SG,1x2)
 GOL140439-5 0349402 MCAH3-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

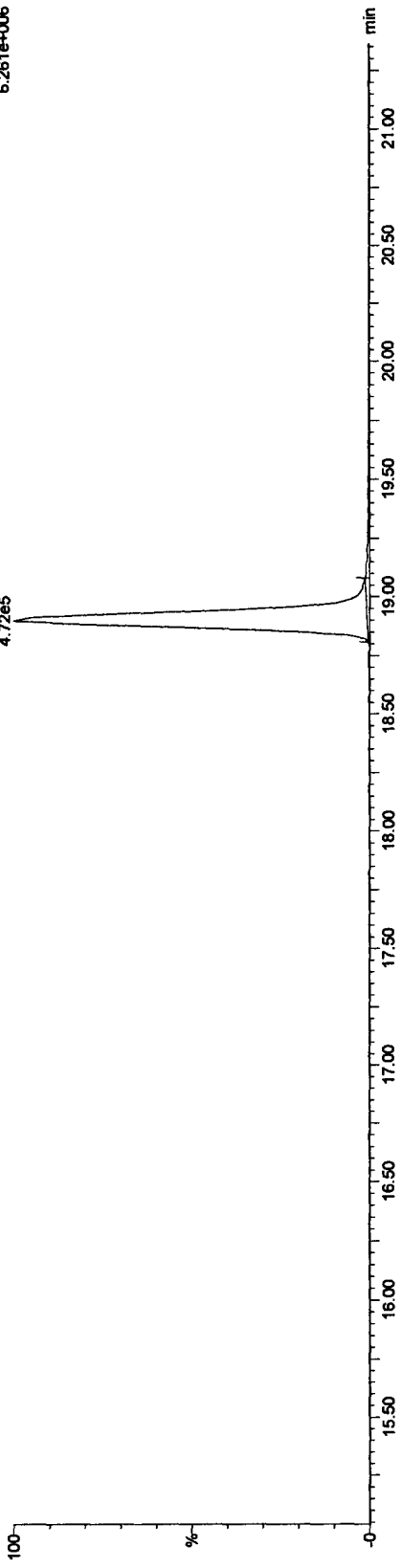
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: G0L140439-5 0349402

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

17DE103D5_24 Smooth(SG,1x2)
G0L140439-5 0349402 MCAH3-1-AA

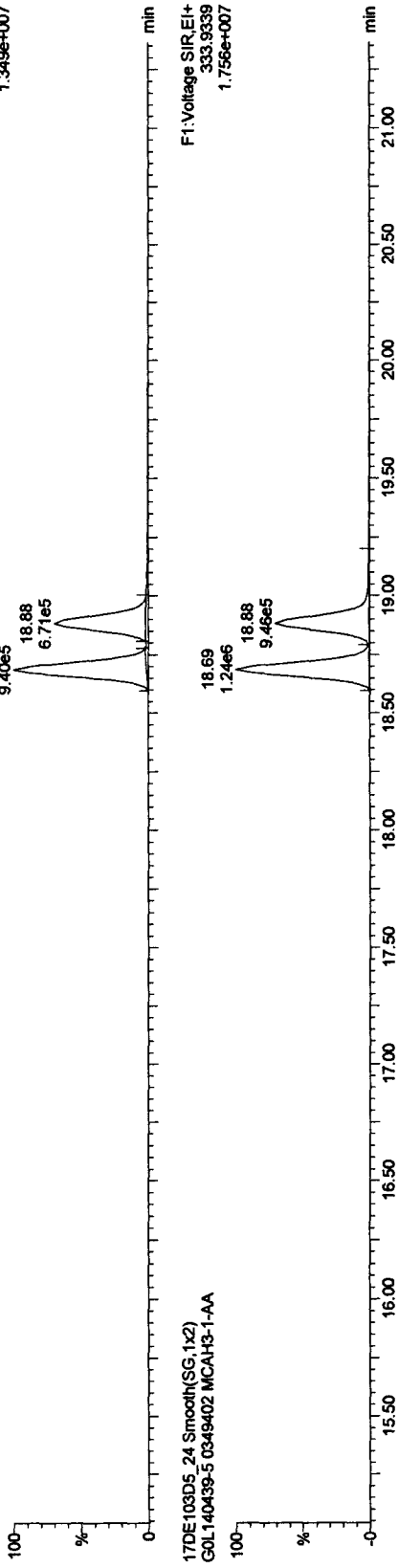
F1:Voltage SIR,EI+
327.8847
6.261e+006



13C-TCDDs

17DE103D5_24 Smooth(SG,1x2)
G0L140439-5 0349402 MCAH3-1-AA

F1:Voltage SIR,EI+
331.9368
1.349e+007



17DE103D5_24 Smooth(SG,1x2)
G0L140439-5 0349402 MCAH3-1-AA

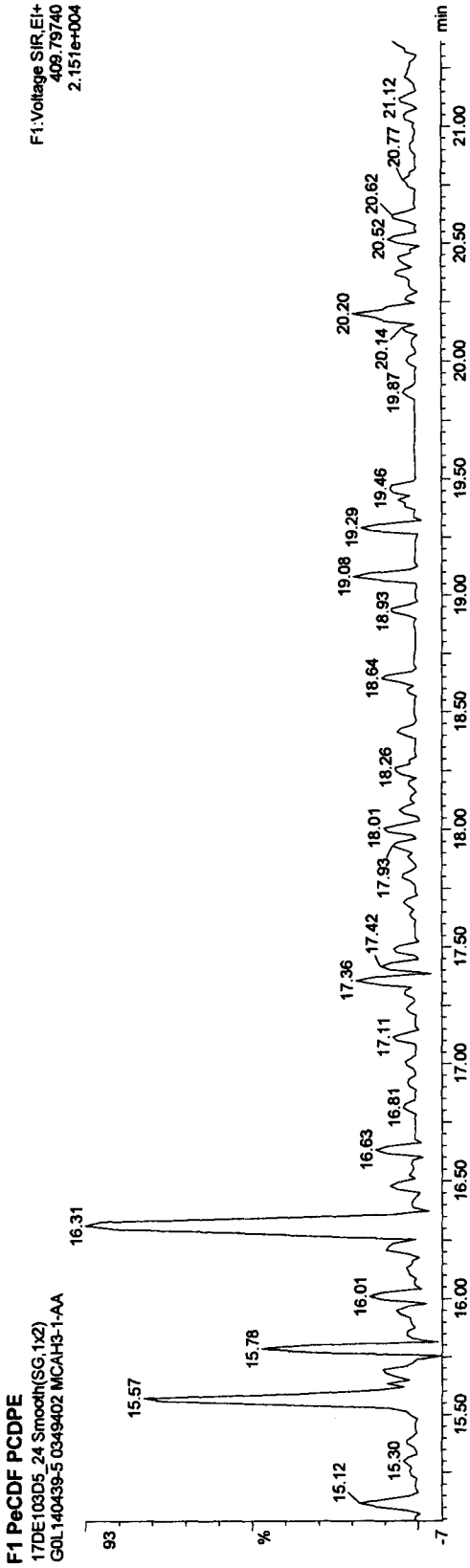
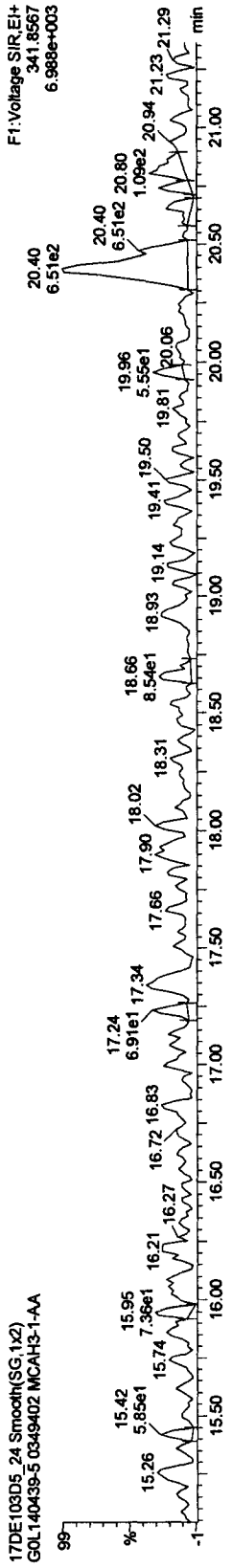
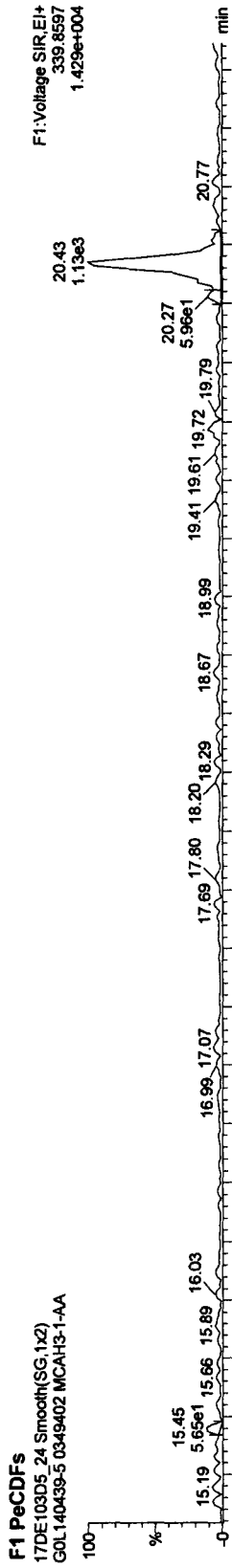
F1:Voltage SIR,EI+
333.9339
1.756e+007

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402



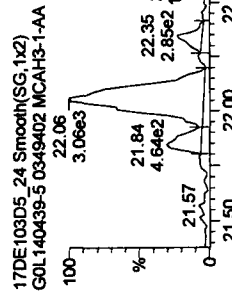
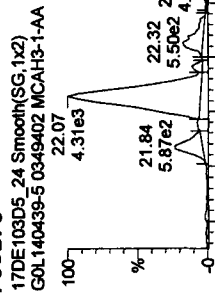
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

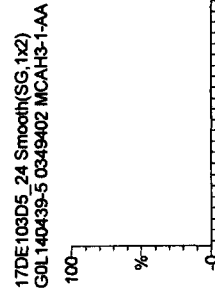
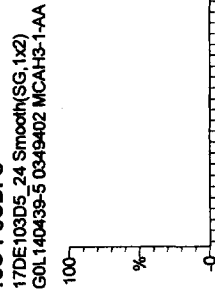
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

PeCDFs



13C-PeCDFs



F2:Voltage SIR, EI+
 339.8597
 4.525e+004

F2:Voltage SIR, EI+
 341.8567
 2.566e+004

F2:Voltage SIR, EI+
 351.9000
 1.111e+007

F2:Voltage SIR, EI+
 353.8970
 7.175e+006

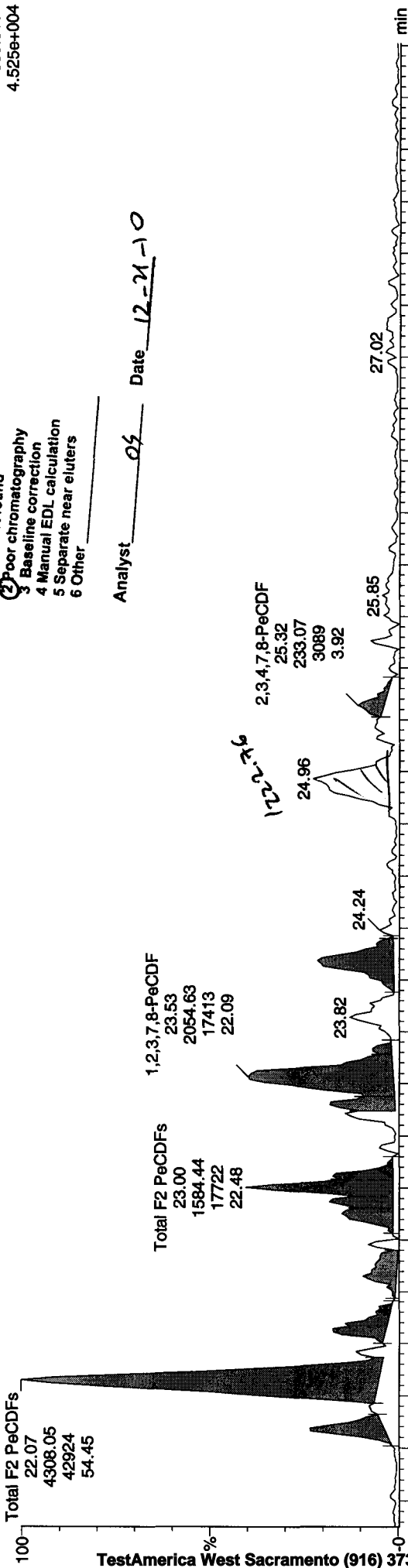
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 10:28:28 Pacific Standard Time

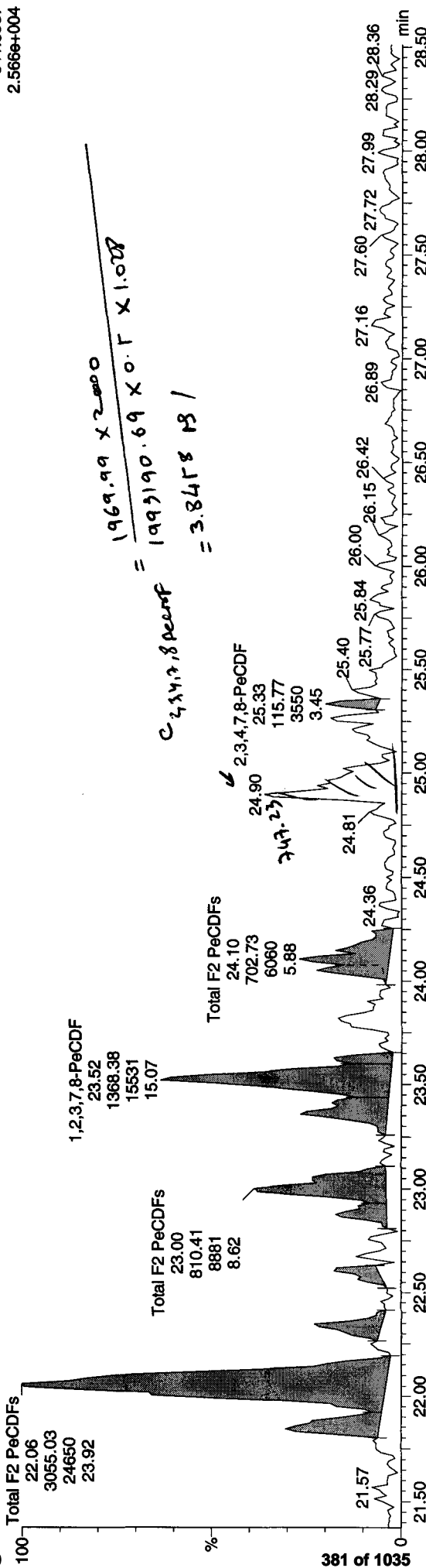
Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 17DE103D5_24

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



Quantify Sample Report MassLynx 4.1

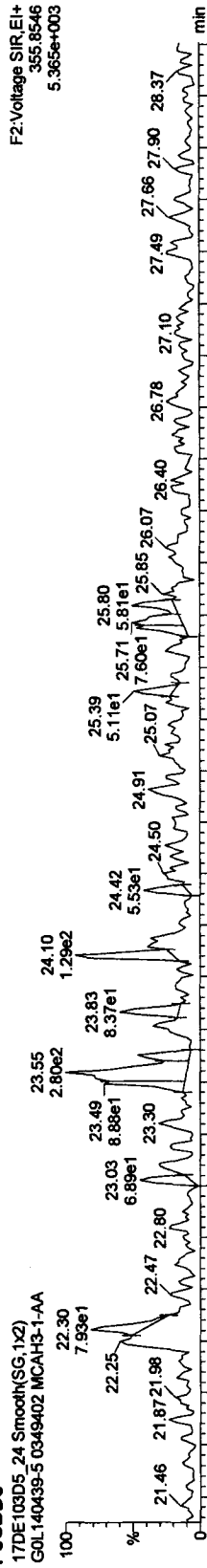
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

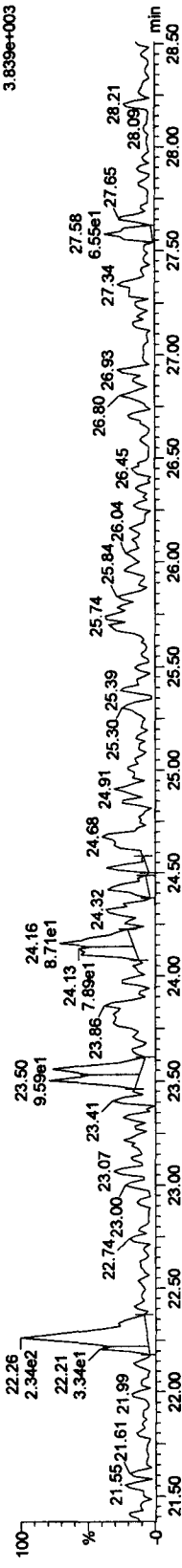
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

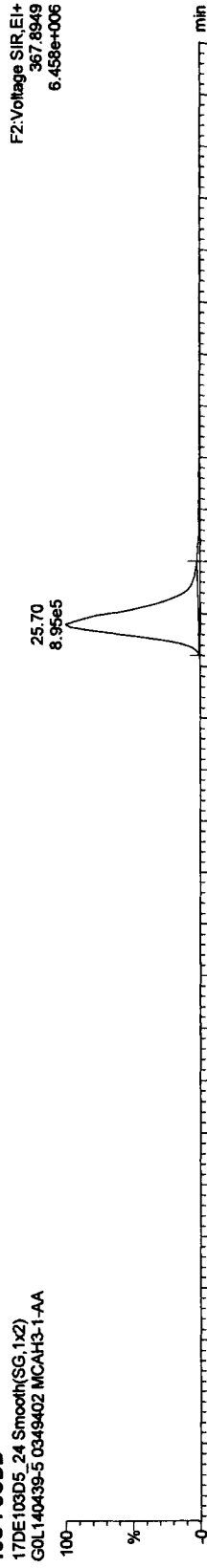
PeCDDs



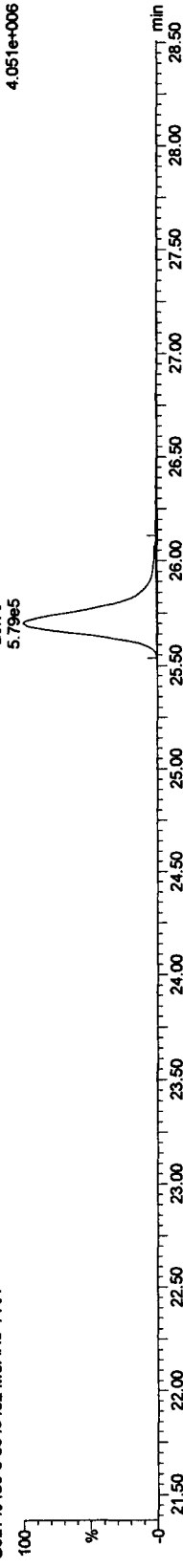
17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



13C-PeCDD



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



Quantify Sample Report MassLynx 4.1

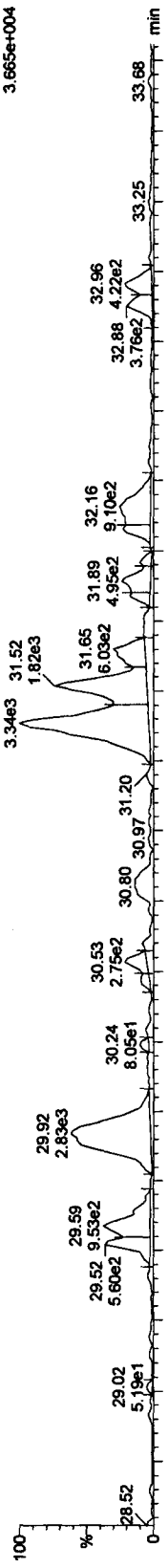
Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

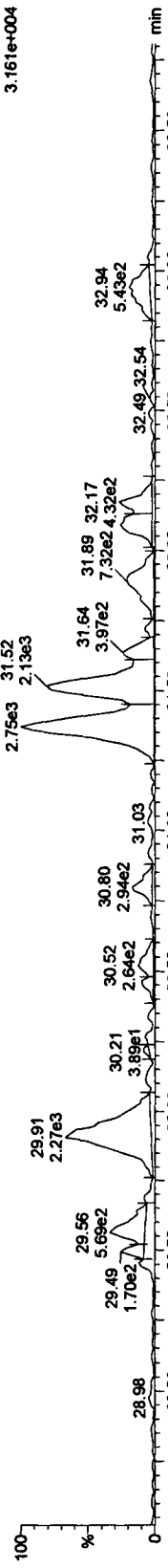
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

HxCDFs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

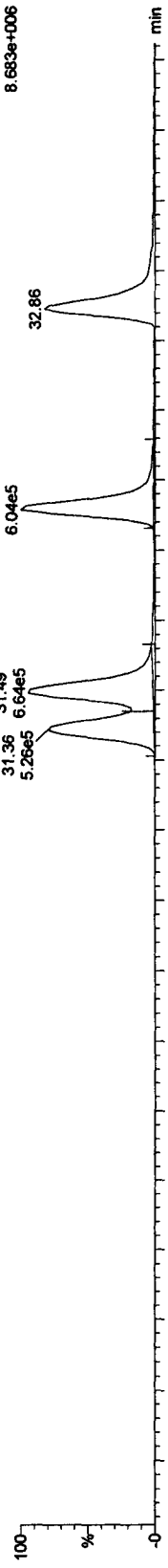


17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

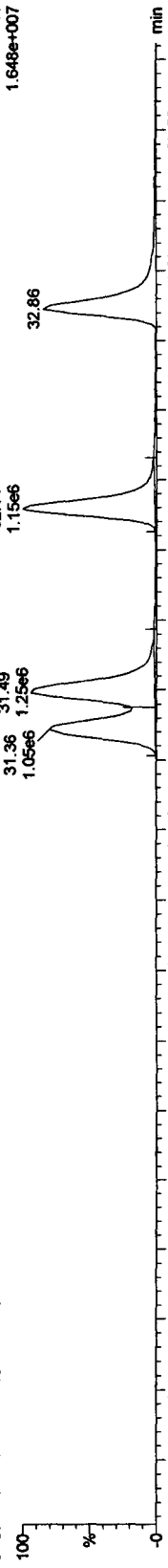


13C-HxCDFs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



F3:Voltage SIR,EI+
373.8208
3.665e+004

F3:Voltage SIR,EI+
375.8178
3.161e+004

F3:Voltage SIR,EI+
383.8639
8.683e+006

F3:Voltage SIR,EI+
385.8610
1.648e+007

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 10:28:28 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 17DE103D5_24

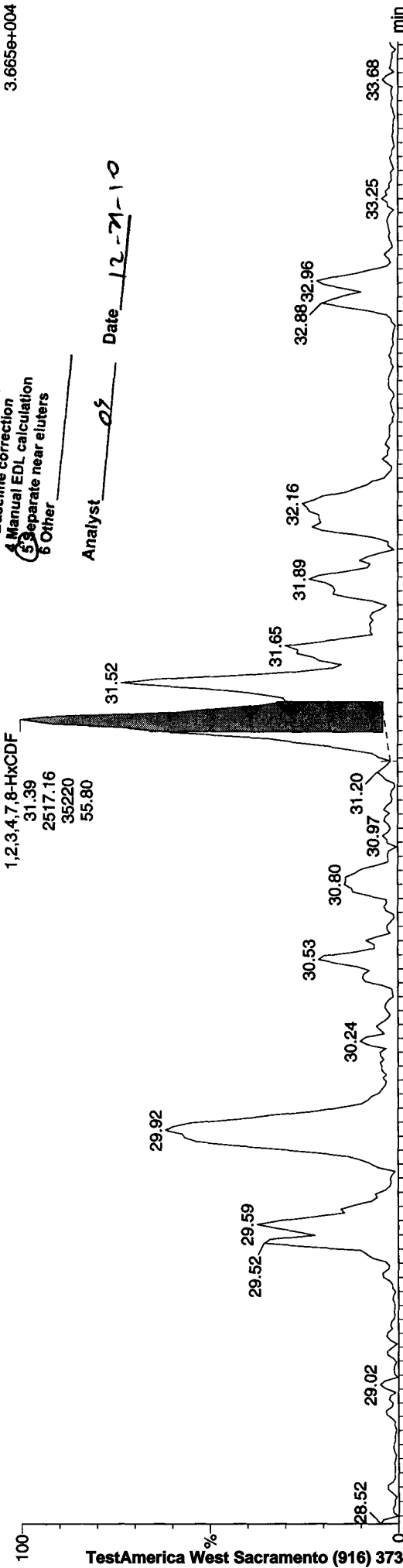
17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

Manual Edit Codes

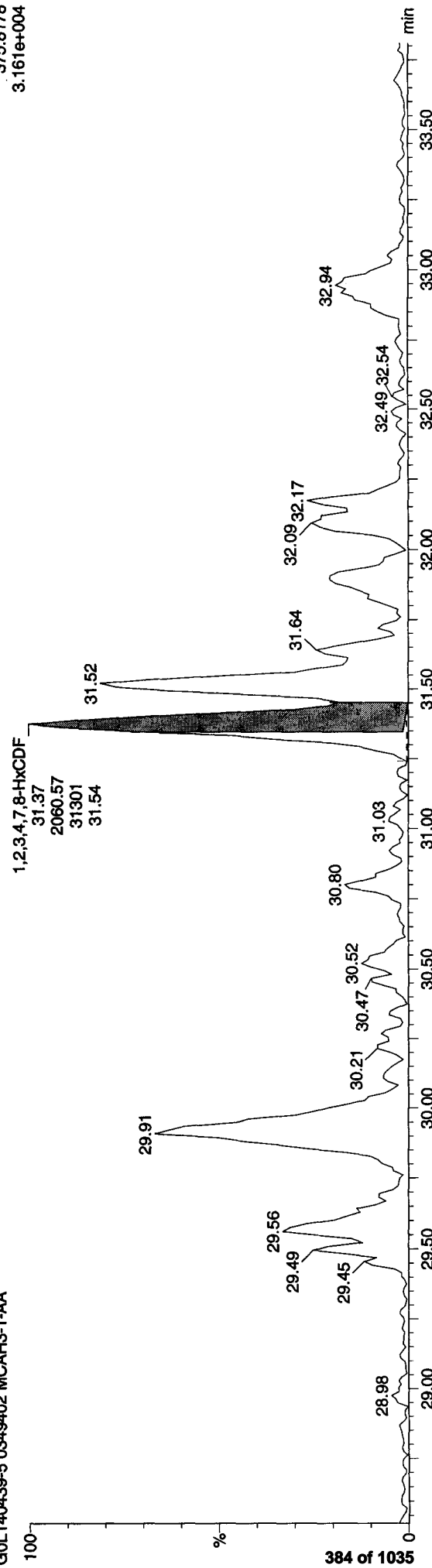
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst OS Date 12-21-10

F3:Voltage SIR,EI+
373.8208
3.665e+004



F3:Voltage SIR,EI+
375.8178
3.161e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 10:28:28 Pacific Standard Time

Compound Name: 1,2,3,7,8,9-HxCDF, Chrom. Trace: 373.8208

Sample Name: 17DE103D5_24

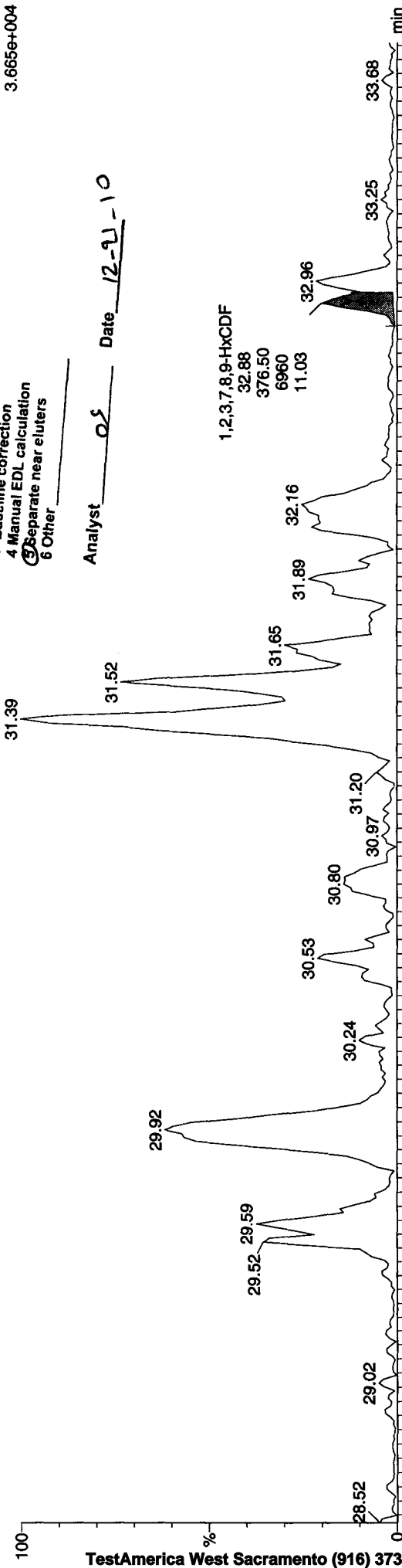
17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

Manual Edit Codes

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

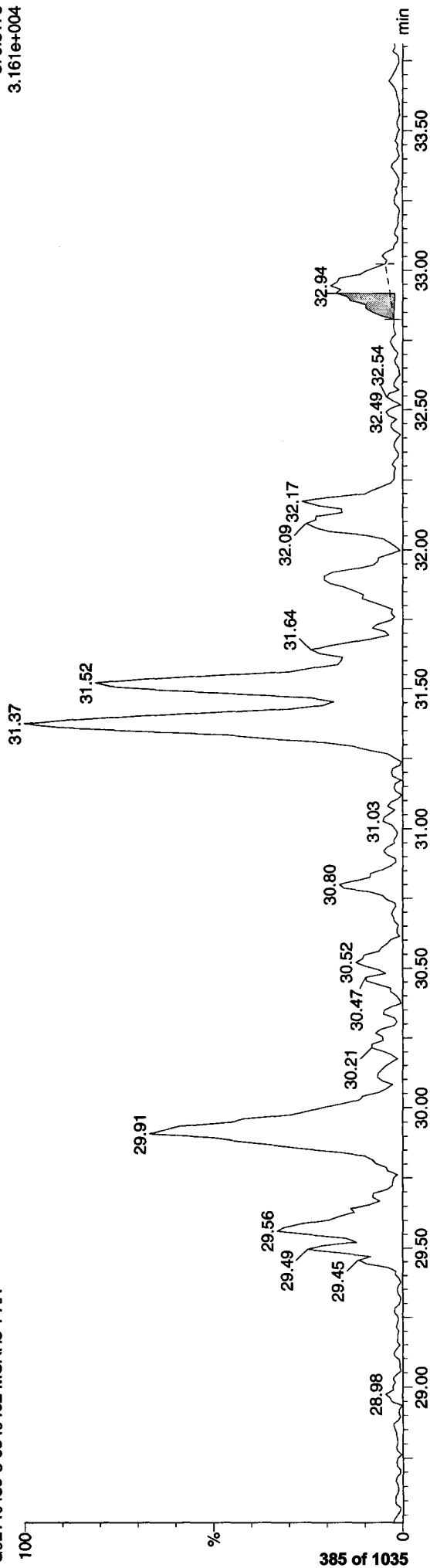
Analyst OS Date 12-21-10

F3: Voltage SIR, EI+
373.8208
3.665e+004



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

F3: Voltage SIR, EI+
375.8178
3.161e+004



Quantify Compound Report MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\TG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 10:28:28 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Sample Name: 17DE103D5_24

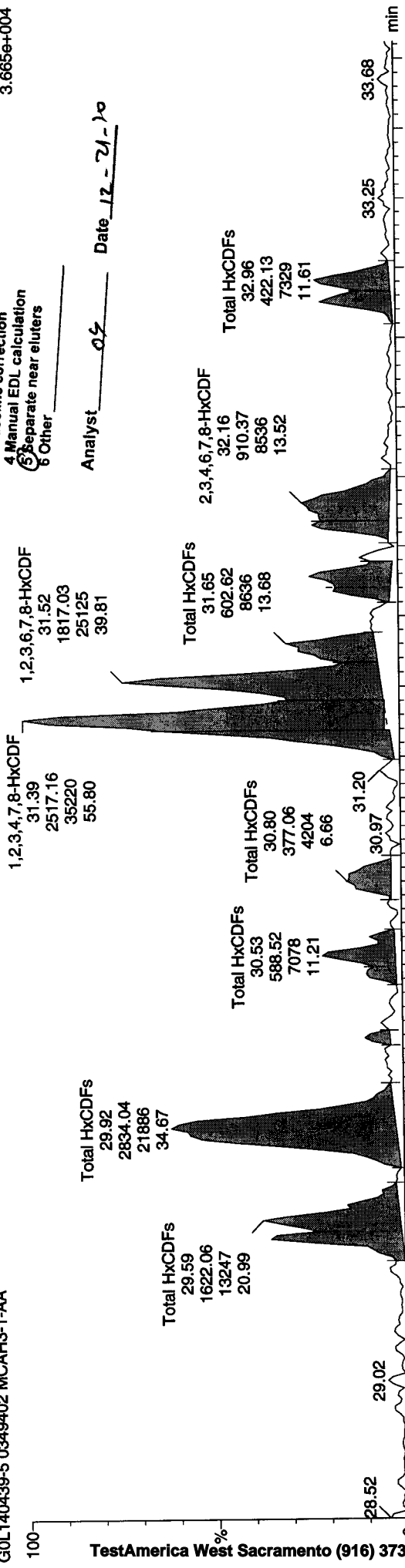
17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

Manual Edit Codes

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

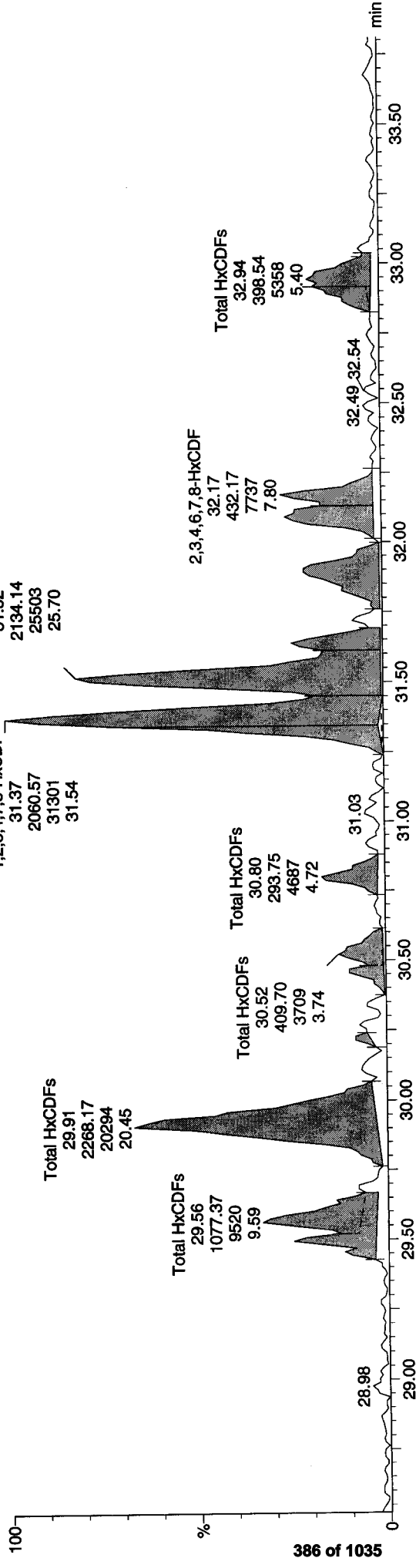
Analyst: ojs Date: 12-21-10

F3:Voltage SIR,EI+
373.8208
3.665e+004



F3:Voltage SIR,EI+
375.8178
3.161e+004

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



Quantify Sample Report MassLynx 4.1

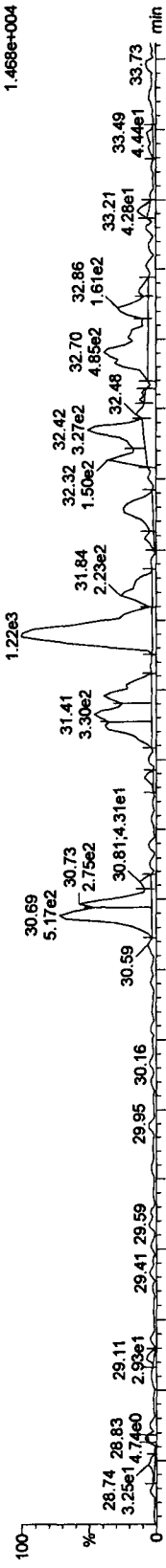
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

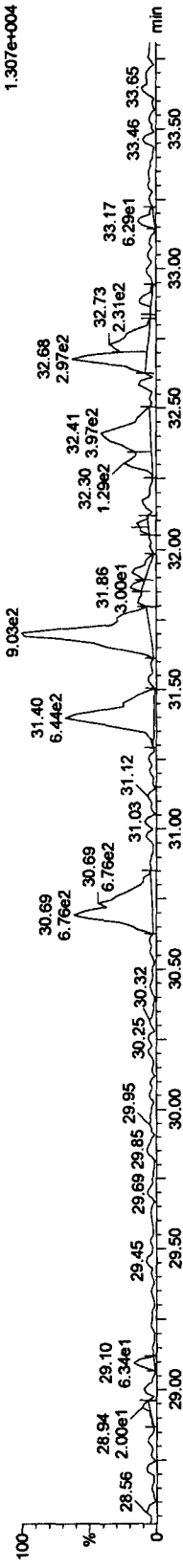
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

HxCDDs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

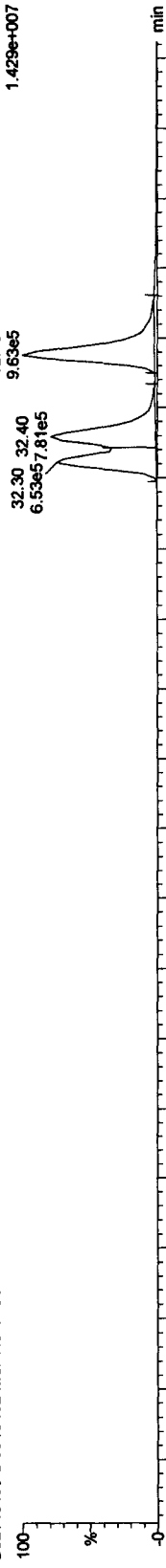


17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

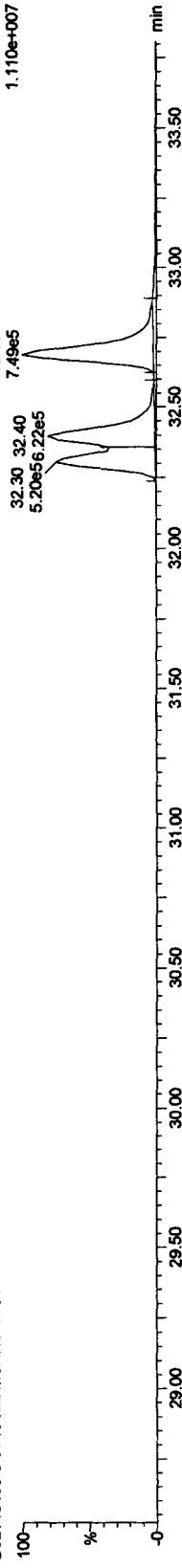


13C-HxCDDs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



Quantify Compound Report MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\instrument_data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 10:28:28 Pacific Standard Time

Manual Edit Codes

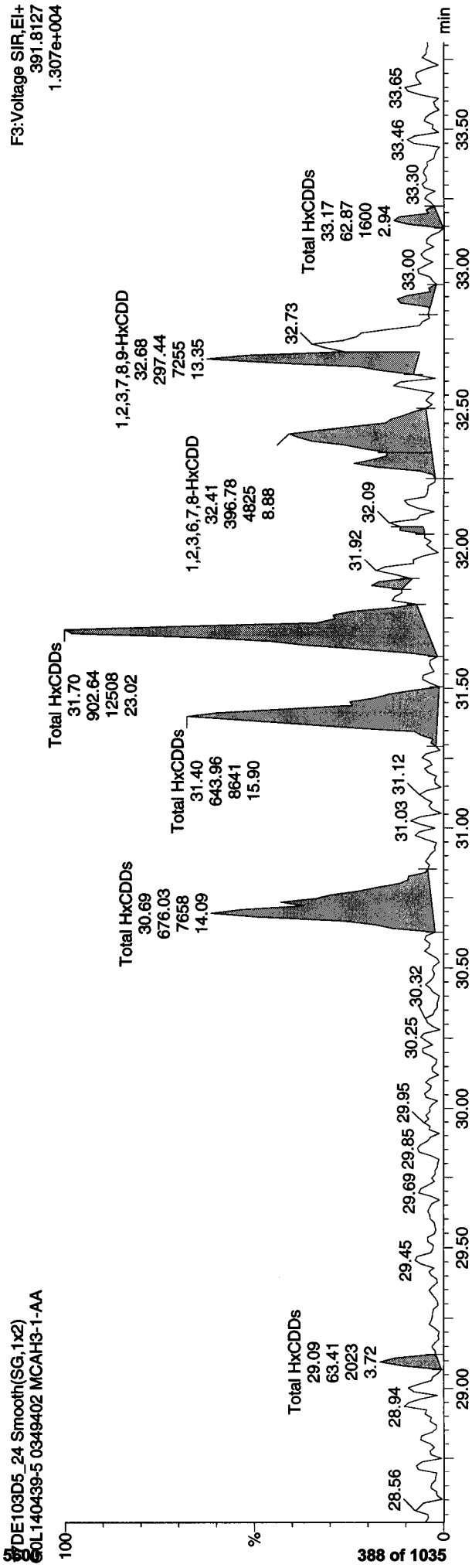
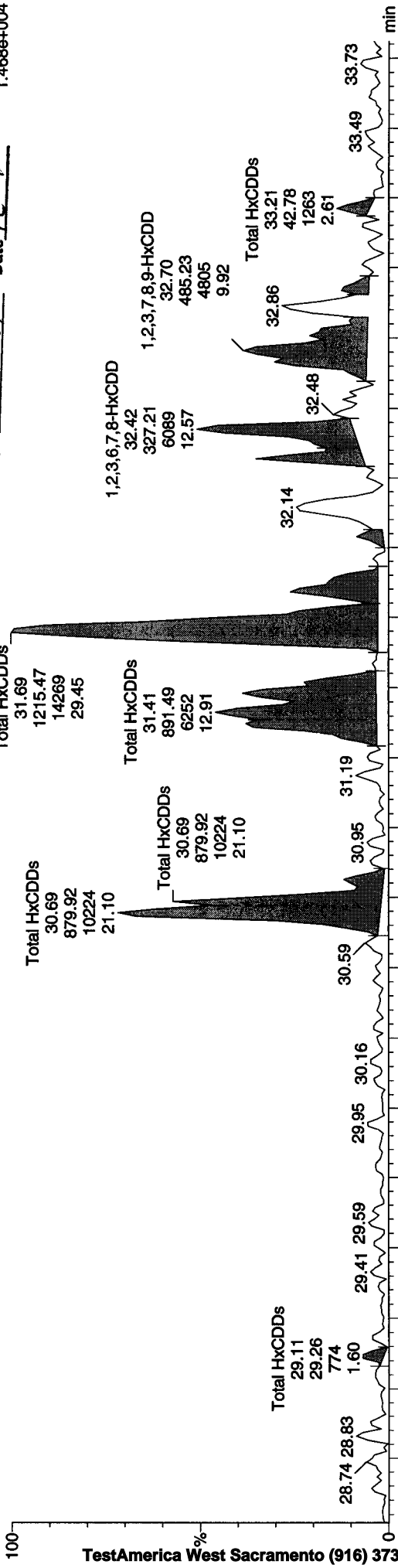
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 17DE103D5_24

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

Analyst: 05 Date: 12-21-10
F3: Voltage SIR, EI+ 389.8157
1.468e+004



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

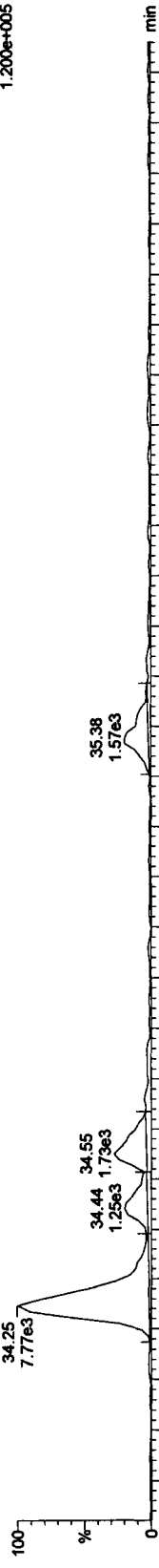
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

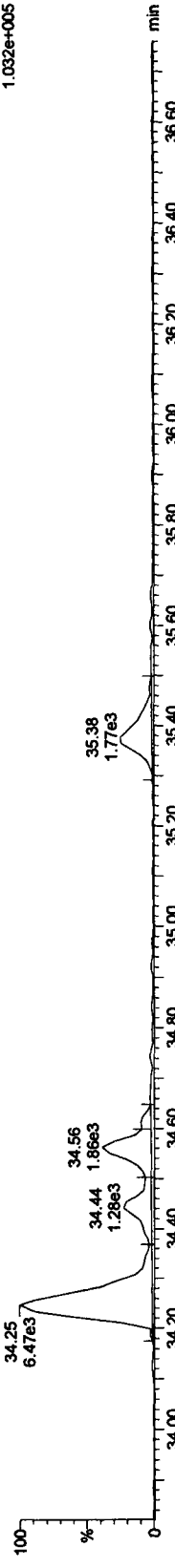
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

HpCDFs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

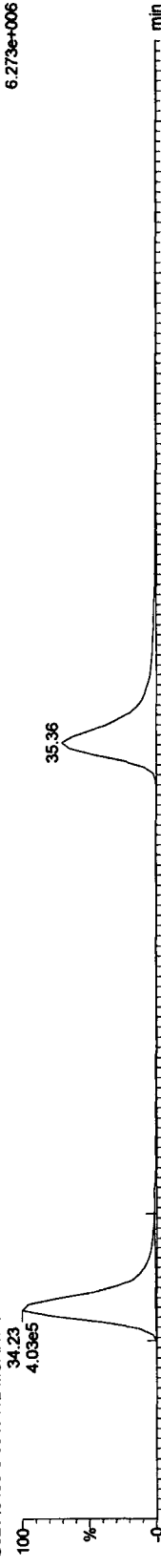


17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

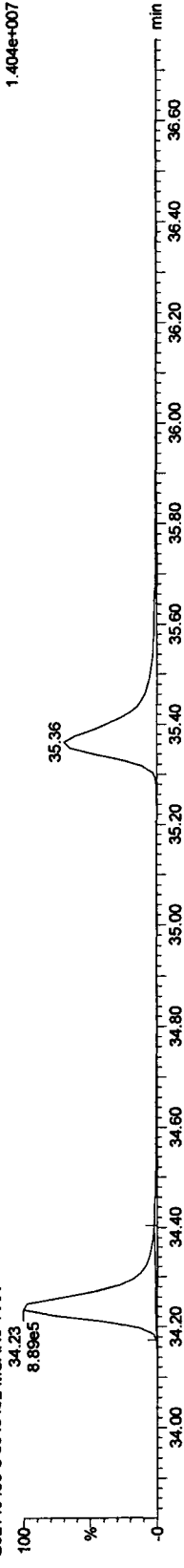


13C-HpCDFs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 10:26:46 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 10:28:28 Pacific Standard Time

Compound Name: Total HpCDFs, Chrom. Trace: 407.7818

Sample Name: 17DE103D5_24

17DE103D5_24.Smooth(SG,1x2)
 GOL140439-5 0349402 MCAH3-1-AA

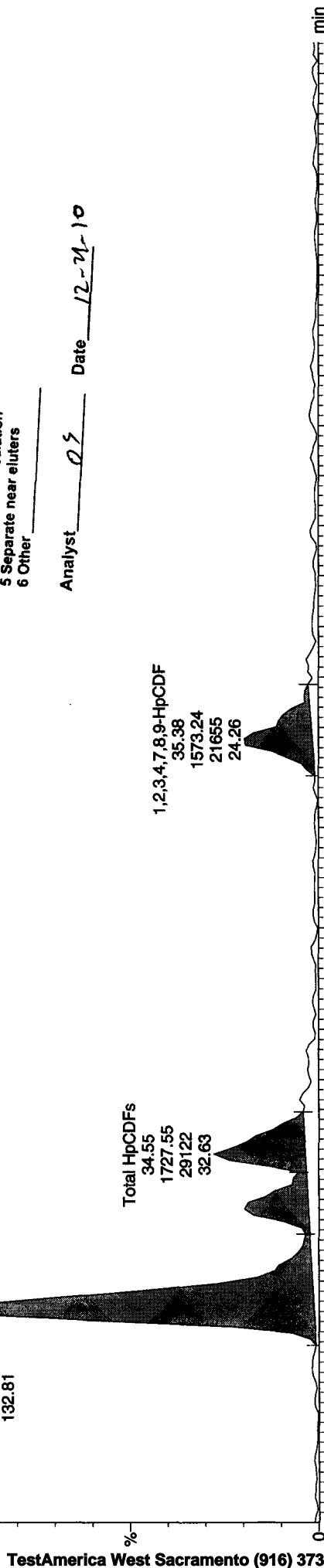
1,2,3,4,6,7,8-HpCDF 34.25
 7771.76
 118535
 132.81

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 12-21-10

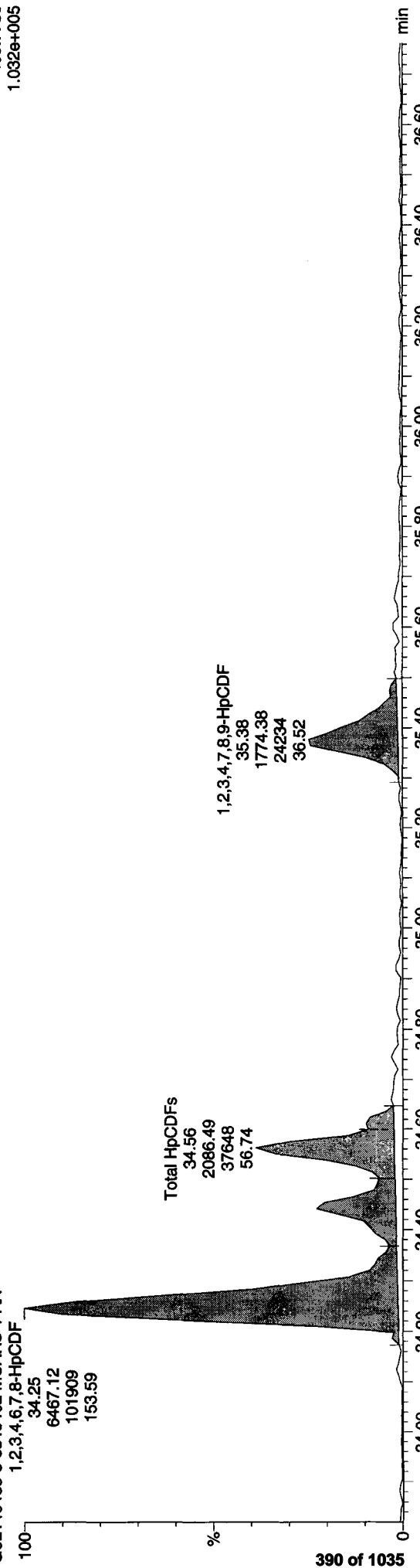
F4: Voltage SIR, EI+
 407.7818
 1.200e+005



17DE103D5_24.Smooth(SG,1x2)
 GOL140439-5 0349402 MCAH3-1-AA

1,2,3,4,6,7,8-HpCDF 34.25
 6467.12
 101909
 153.59

F4: Voltage SIR, EI+
 409.7789
 1.032e+005



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

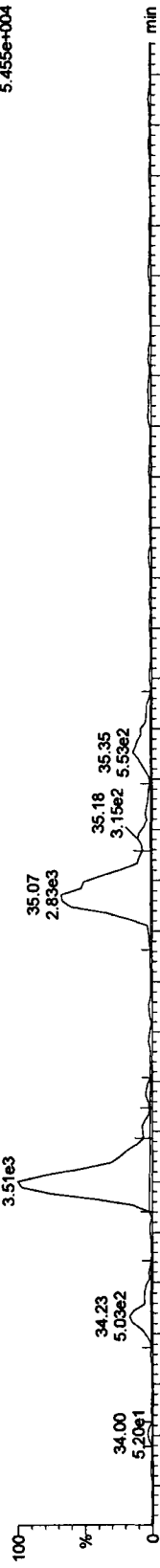
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

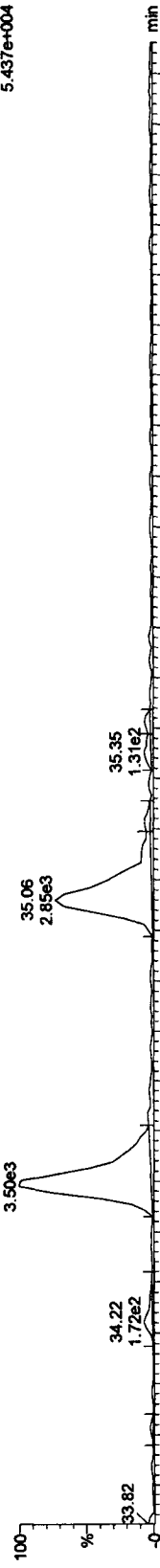
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

HpCDDs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

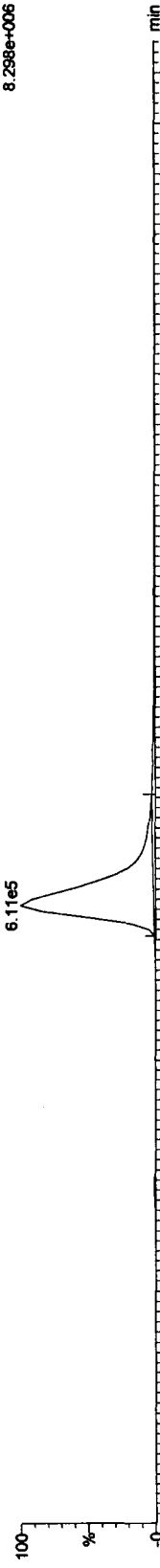


17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

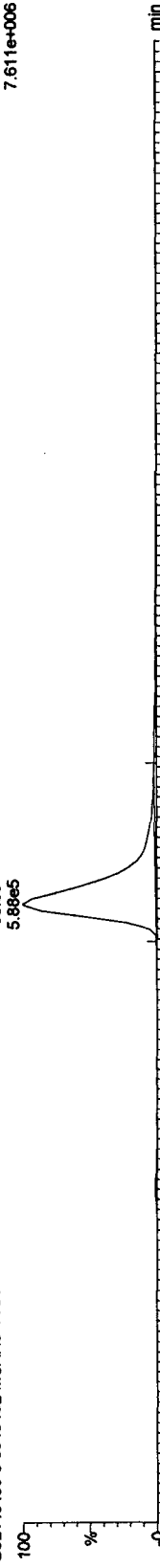


13C-HpCDD

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



Quantify Sample Report MassLynx 4.1

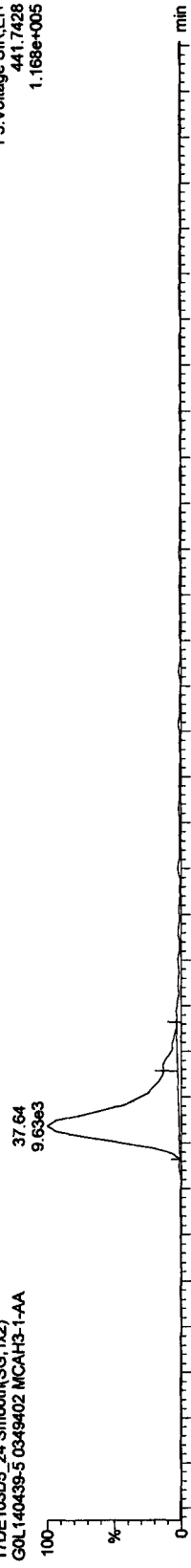
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

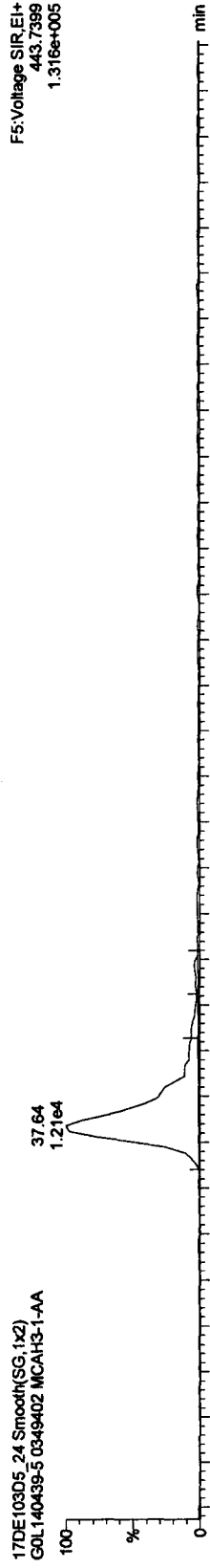
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

OCDFs

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

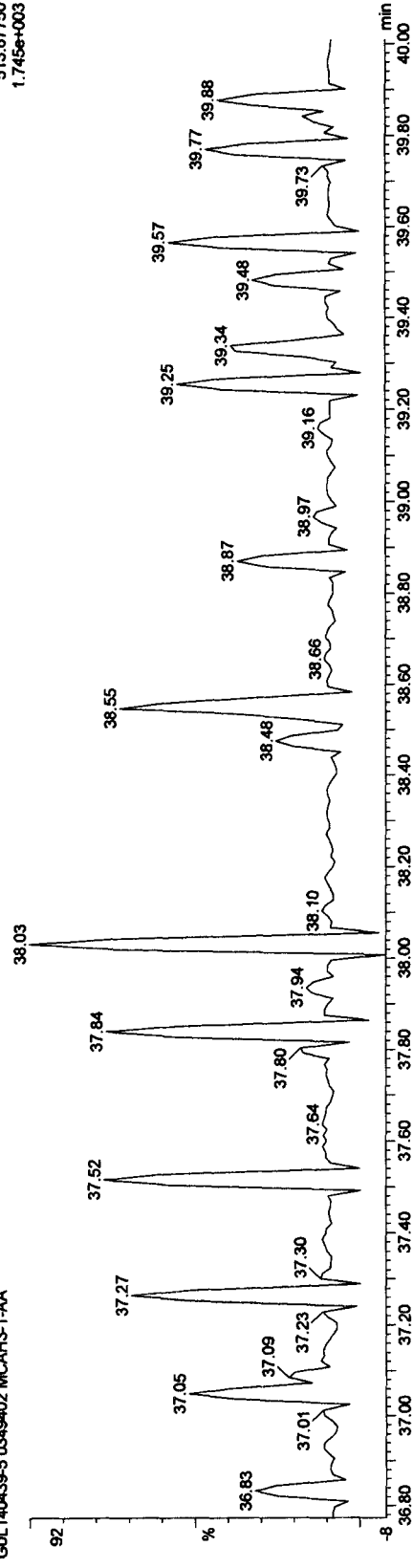


17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



OCDF PCDFE

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



Quantify Sample Report MassLynx 4.1

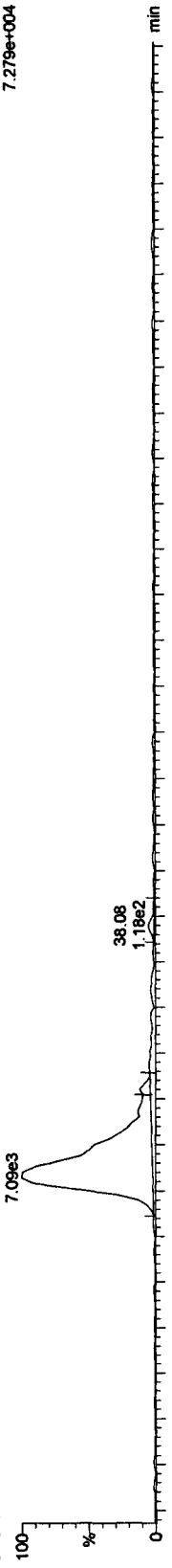
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

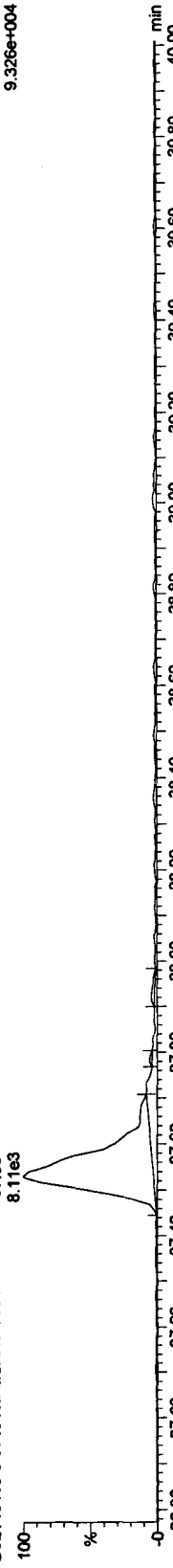
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

OCDD

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

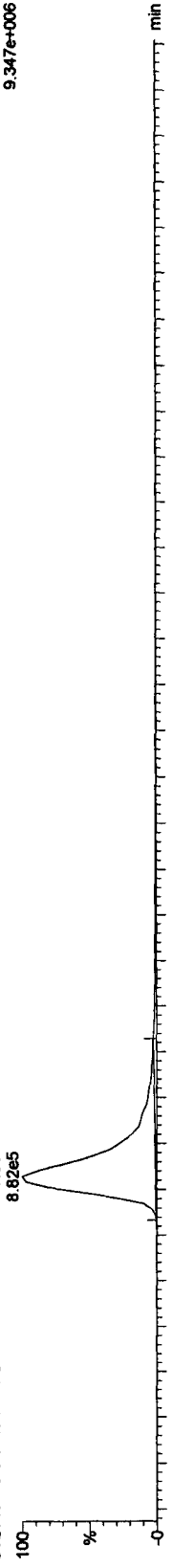


17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

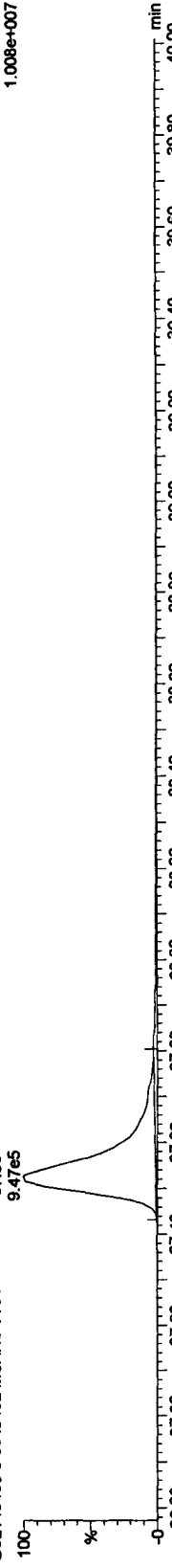


13C-OCDD

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA



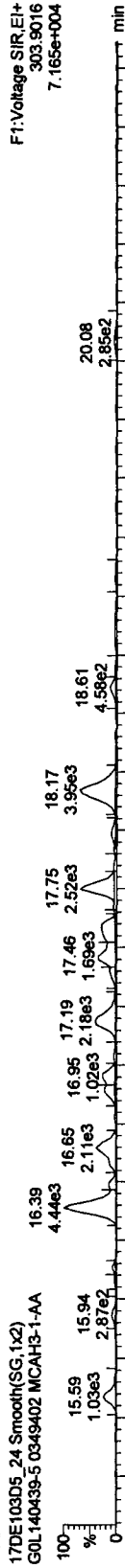
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\17DE103D5T09A.qld

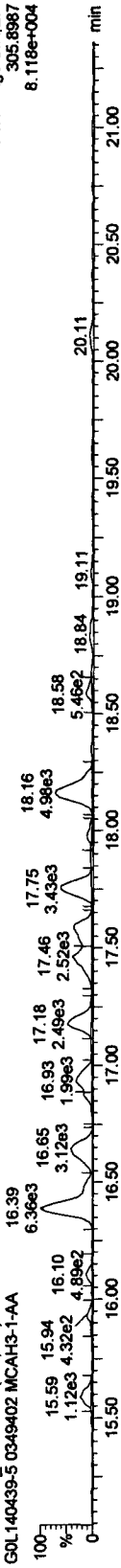
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

TCDFs



17DE103D5_24 Smooth(SG,1x2)

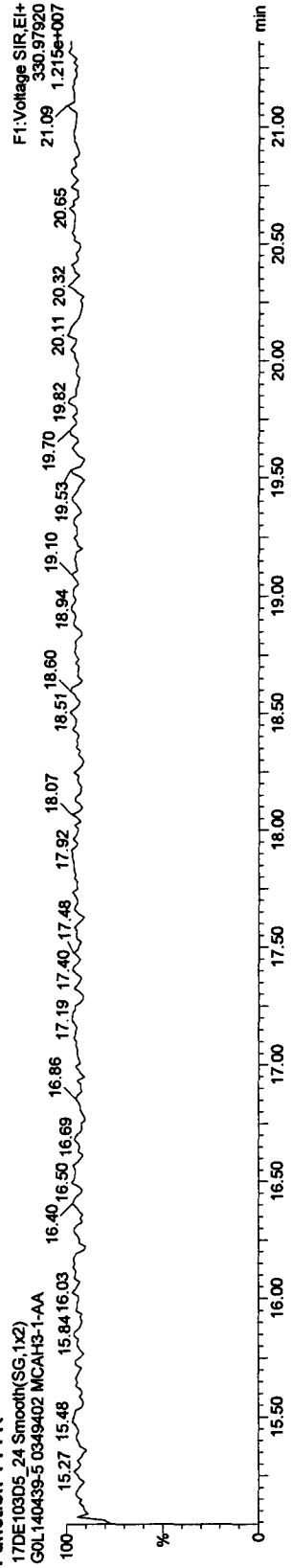


TCDF PCDPE



17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

Function 1 PFK



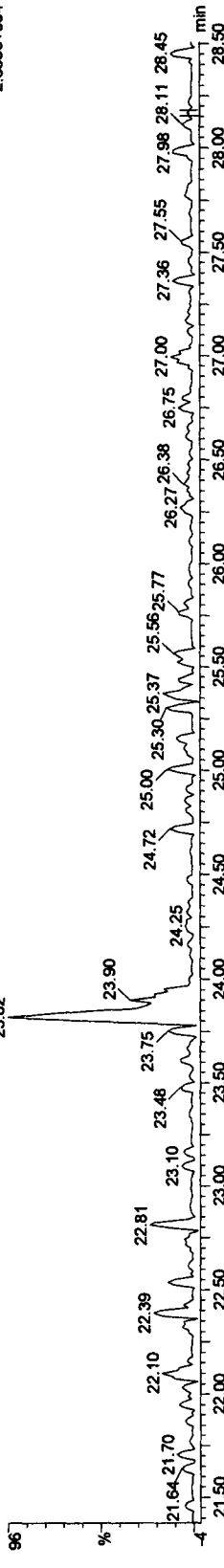
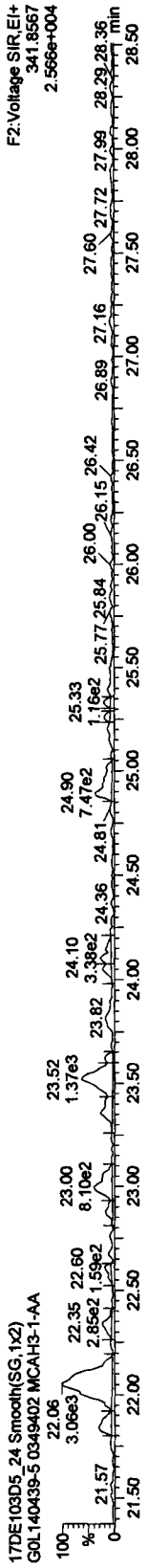
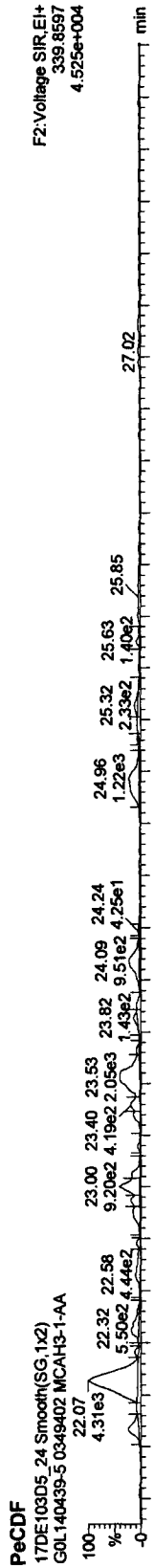
17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402



Quantify Sample Report MassLynx 4.1

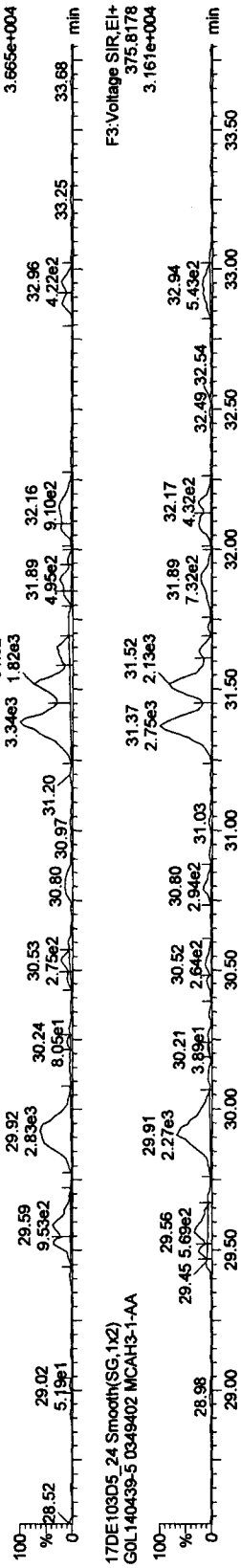
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

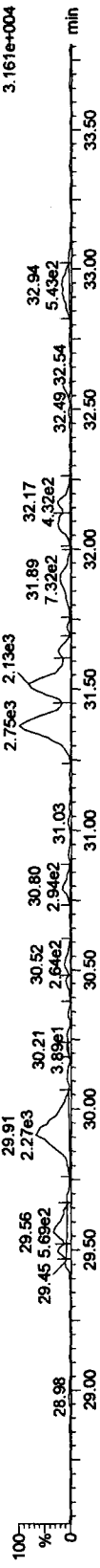
Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

HxCDFs

17DE103D5_24.Smooth(SG.1X2)
GOL140439-5 0349402 MCAH3-1-AA

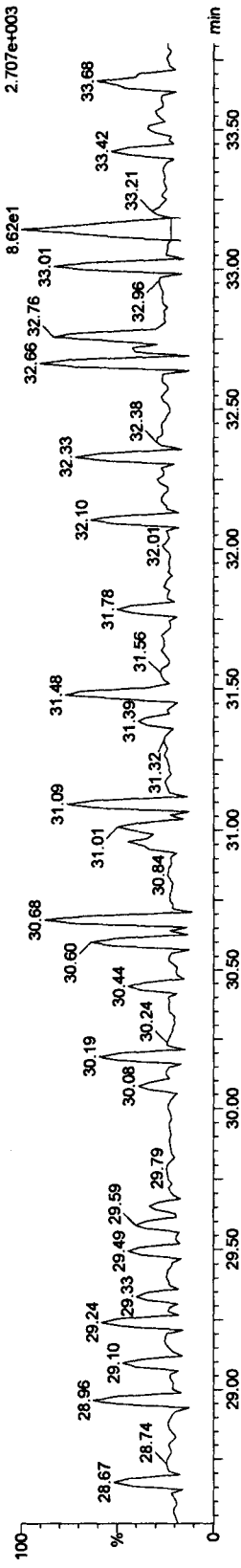


17DE103D5_24.Smooth(SG.1X2)
GOL140439-5 0349402 MCAH3-1-AA



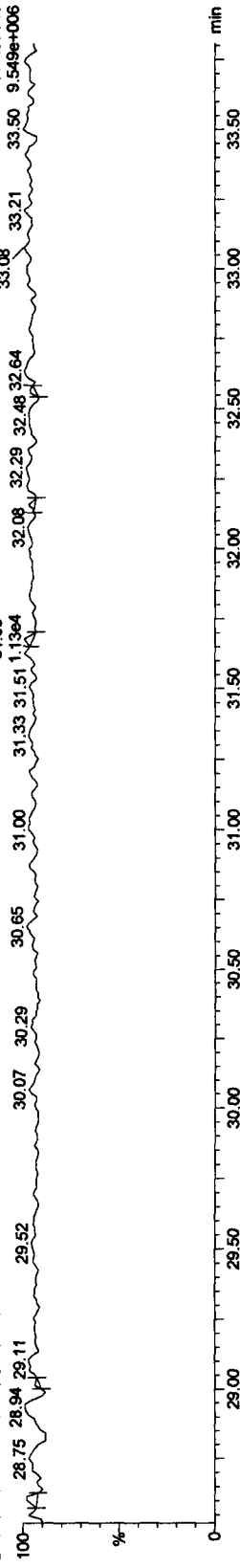
HxCDF PCDFE

17DE103D5_24.Smooth(SG.1X2)
GOL140439-5 0349402 MCAH3-1-AA



Function 3 PFK

17DE103D5_24.Smooth(SG.1X2)
GOL140439-5 0349402 MCAH3-1-AA



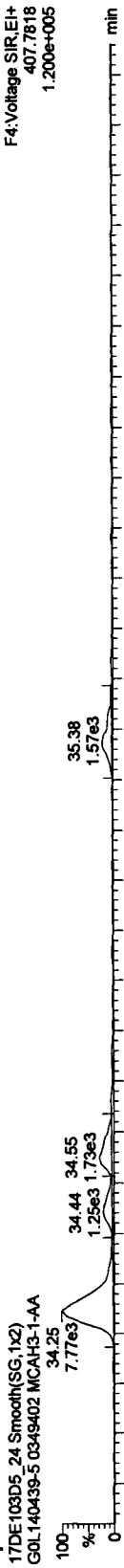
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

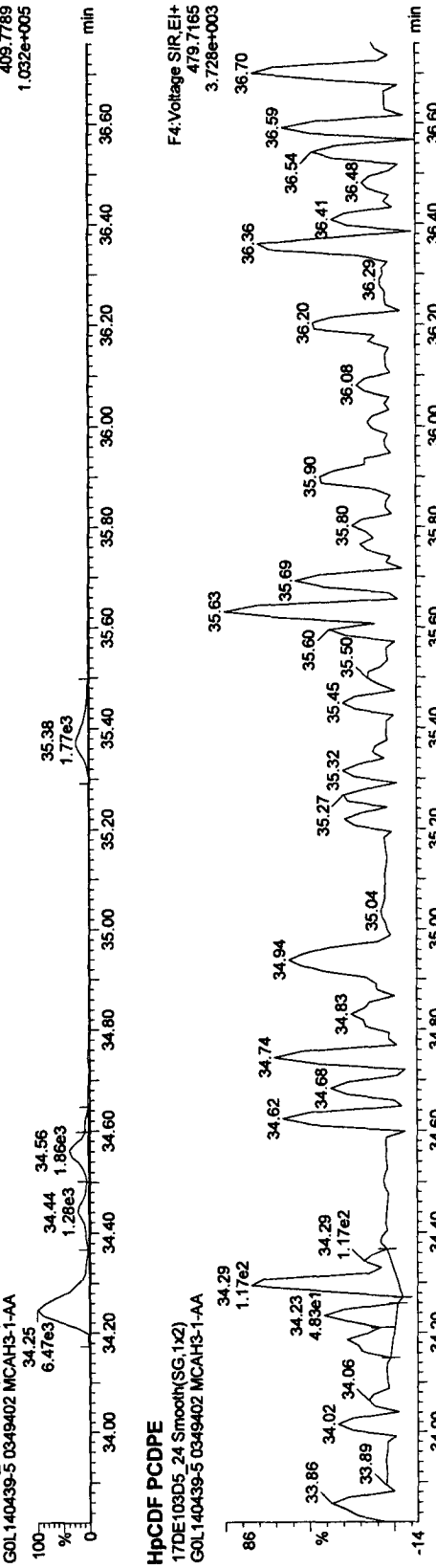
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

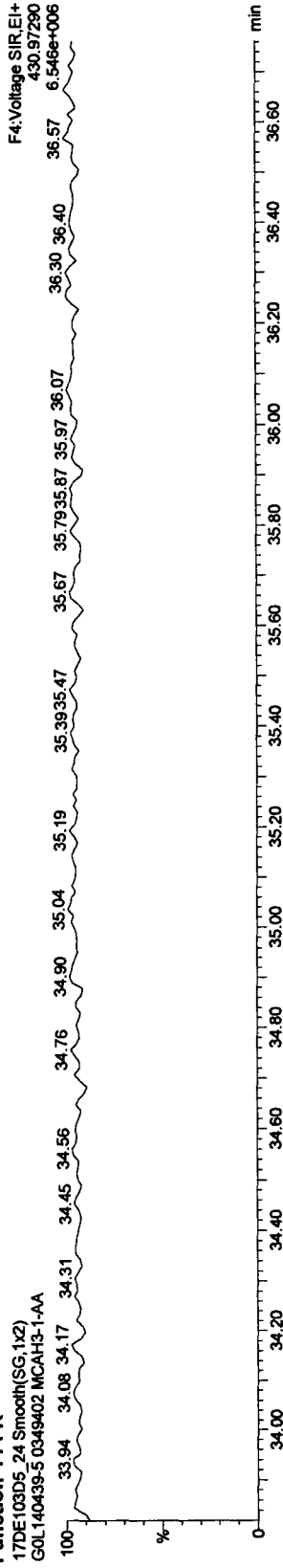
HpCDFs



HpCDF PCDE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

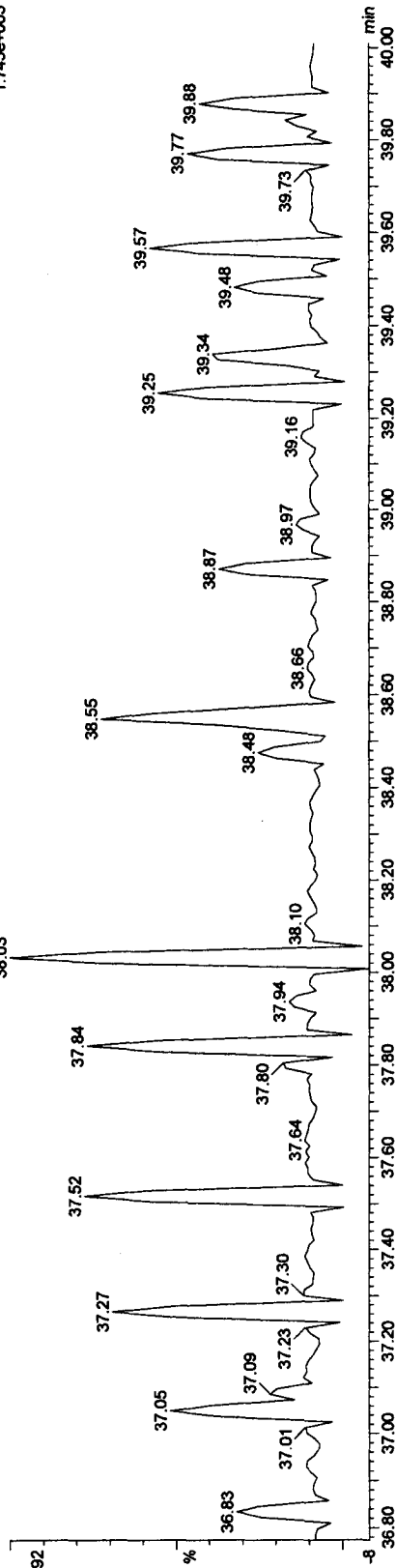
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_24, Date: 18-Dec-2010, Time: 01:22:40, ID: MCAH3-1-AA, Description: GOL140439-5 0349402

OCDF PCDPE

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

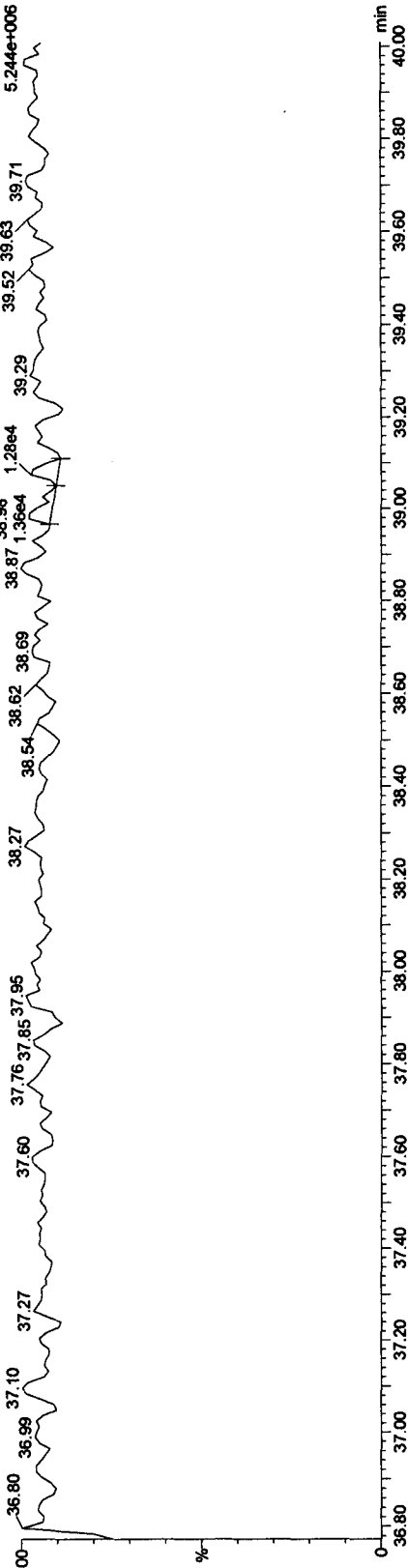
F5:Voltage SIR.EI+
513.67750
1.745e+003



Function 5 PFK

17DE103D5_24 Smooth(SG,1x2)
GOL140439-5 0349402 MCAH3-1-AA

F5:Voltage SIR.EI+
442.97280
5.244e+006



Quantify Sample Summary Report

MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:06:13 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

02-21-10

# Name	Quan Trace	Sample Size	RT	Pred.RT	RRF M.L.	Abs Resp	Conc.	EMPC %Rec	EDL	Ratio	Prd.Ratio	Ra	Flag	Mod.Date
1 13C-1,2,3,4-TCDD	331.9368	0.50000	18.73	18.70	1.000	2160318.31	4000.0000	4000.0000	100.0	3.3411	0.758	0.770	NO	
2														
3 13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	2689696.38	3744.6841	3744.6841	93.6	2.4278	0.827	0.770	NO	
4 2,3,7,8-TCDF	303.9016	0.50000	18.17	18.16	0.972	12476.56	19.0988	19.0988	95.7	0.6249	0.845	0.770	NO	
5 Total TCDFs	303.9016	0.50000	21.44	0.972		94.2578			90.0473	0.6249				
6														
7 13C-2,3,7,8-TCDD	331.9368	0.50000	18.91	18.94	0.890	1757737.19	3657.1481	3657.1481	91.4	3.7544	0.738	0.770	NO	
8 2,3,7,8-TCDD	319.8965	0.50000	18.84	18.96	1.009	530.32	1.1963	1.1963	90.448	0.6895	0.443	0.770	YES	
9 Total TCDDs	319.8965	0.50000	19.55	1.009		8.3213			7.5128	0.6895				
10									4.5402					
11 37CL-2,3,7,8-TCDD	327.8847	0.50000	18.93	18.92	0.649	488181.59	1710.6929	0.0000	106.9	1.8759				
12														
13 13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.50	23.57	0.971	2148453.31	4098.0974	4098.0974	102.5	4.2260	1.625	1.550	NO	
14 1,2,3,7,8-PeCDF	339.8597	0.50000	23.53	23.53	1.069	7314.16	12.7372	12.7372	92.5	1.4783	1.552	1.550	NO	
15 2,3,4,7,8-PeCDF	339.8597	0.50000	24.94	24.95	1.028	4204.73	7.6120	7.6120	92.5	1.5368	1.781	1.550	NO	
16 Total F2 PeCDFs	339.8597	0.50000	34.47	1.049		89.6600			96.5745	5.0911	5.069			
17 Total F1 PeCDFs	339.8597	0.50000	36.56	1.049		5.2309			5.2309	0.6141				
18														
19 13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.70	25.78	0.715	1528518.38	3957.0303	3957.0303	98.9	4.4504	1.630	1.550	NO	
20 1,2,3,7,8-PeCDD	355.8546	0.50000	25.69	25.73	0.884	475.69	1.4081	1.4081	90.0	1.4906	1.639	1.550	NO	
21 Total PeCDDs	355.8546	0.50000	31.10	0.884		9.4916			7.4954	1.4906				
22									2.5749					
23 13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.69	32.74	1.000	1773057.44	4000.0000	4000.0000	100.0	3.7294	1.252	1.240	NO	
24														
25 13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.36	31.38	1.084	1717901.44	3573.9516	3573.9516	89.3	7.8691	0.530	0.510	NO	
26 1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.37	31.38	1.219	10563.38	20.1853	20.1853	92.5	1.2839	1.160	1.240	NO	21-Dec-10
27 1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.52	31.51	1.396	9834.86	16.4007	16.4007	92.5	1.1205	1.235	1.240	NO	
28 2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.16	32.15	1.237	2733.40	5.1431	4.3469	92.5	1.2642	0.879	1.240	YES	
29 1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.89	32.86	1.078	1493.28	3.2247	3.2247	92.5	1.4510	1.149	1.240	NO	
30 Total HxCDFs	373.8208	0.50000	0.00	1.233		113.9795			108.2223	1.2692				

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\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 11:06:13 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: G0L140439-8 0349402

# 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	32.40	0.894	1537179.88	3876.9439	3876.9439	96.9	4.1693	1.298	1.240		NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.32	1.028	551.94	1.3976	1.1570	7.0	0.7198	1.706	1.240		YES	21-Dec-10
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.41	1.111	965.97	2.2635	1.5271	5.0	0.6661	0.596	1.240		YES	21-Dec-10
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.73	1.113	1022.97	2.3922	2.1766	5.0	0.6648	1.462	1.240		YES	21-Dec-10
36	Total HxCDDs	389.8157	0.50000	0.00	1.084		19.3008	16.6990 13.247		0.6926					
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.22	0.881	1416088.66	3626.9841	3626.9841	90.7	9.3371	0.456	0.440		NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.25	1.402	33512.62	67.5356	67.5356	5	0.7582	1.102	1.040		NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.36	1.199	8736.29	20.5795	20.5795	5	0.8862	1.063	1.040		NO	
41	Total HpCDFs	407.7818	0.50000	0.00	1.300		123.1462	123.1462		0.8172					
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.05	0.857	1346267.50	3542.2845	3542.2845	88.6	8.9087	1.073	1.040		NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.06	0.981	4200.85	12.7221	11.2856	5.0	0.7870	1.300	1.040		YES	
45	Total HpCDDs	423.7766	0.50000	-0.02	0.981		27.9132	29.9466 32.5086		0.7870					
46															
47	13C-OCDD	469.7779	0.50000	37.53	0.643	2004730.38	7031.8559	7031.8559	87.9	11.5125	0.891	0.890		NO	
48	OCDF	441.7428	0.50000	37.64	1.477	54156.41	146.3139	146.3139	5	0.9658	0.877	0.890		NO	
49	OCDD	457.7377	0.50000	37.54	1.196	9712.89	32.4025	32.4025	5	0.6928	0.946	0.890		NO	
50															
51															
52	Function 1 PFK	330.97920	1.00000	0.00											
53	Function 2 PFK	342.97920	1.00000	0.00											
54	Function 3 PFK	380.97600	1.00000	0.00											
55	Function 4 PFK	430.97290	1.00000	0.00											
56	Function 5 PFK	442.97280	1.00000	0.00											
57	TCDF PCDFE	375.8364	1.00000	20.25	17.814	2.04	0.1144		11.4	0.2047					
58	F1 PeCDF PCDFE	409.79740	1.00000	19.31	97.109					0.0000					
59	F2 PeCDF PCDFE	409.7974	1.00000	28.33	28.29	39.47	0.7730		77.3	1.3805					
60	HxCDF PCDFE	445.7555	1.00000	33.21	33.24	60.18	2.8401		284.0	0.5276					
61	HPCDF PCDFE	479.7165	1.00000	34.31	34.27	75.68	1.9320		193.2	1.4229					
62	OCDF PCDFE	513.67750	1.00000	39.16	27.302					0.0000					

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time

Printed: Tuesday, December 21, 2010 11:06:13 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

Total TCDFs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	5 Total TCDFs	303.9016	16.39	9267.033	14.1857	14.1857	0.97151	0.6249	0.807	0.770	NO	60.385	
2	5 Total TCDFs	303.9016	16.12	842.993	1.2904	0.7482	0.97151	0.6249	0.337	0.770	YES	7.712	
3	5 Total TCDFs	303.9016	15.95	712.171	1.0902	1.0024	0.97151	0.6249	0.925	0.770	YES	5.169	
4	5 Total TCDFs	303.9016	15.60	1506.579	2.3062	2.3062	0.97151	0.6249	0.834	0.770	NO	12.657	
5	5 Total TCDFs	303.9016	20.11	707.858	1.0836	0.8273	0.97151	0.6249	0.497	0.770	YES	5.722	
6	5 Total TCDFs	303.9016	19.11	509.808	0.7804	0.5806	0.97151	0.6249	0.479	0.770	YES	5.542	
7	5 Total TCDFs	303.9016	18.64	2313.632	3.5416	3.5416	0.97151	0.6249	0.813	0.770	NO	11.597	
8	5 Total TCDFs	303.9016	18.32	266.177	0.4075	0.3356	0.97151	0.6249	1.149	0.770	YES	2.671	
9	4 2,3,7,8-TCDF	303.9016	18.17	12476.558	19.0988	19.0988	0.97151	0.6249	0.845	0.770	NO	66.990	
10	5 Total TCDFs	303.9016	17.96	1794.624	2.7472	2.4789	0.97151	0.6249	0.646	0.770	YES	9.871	
11	5 Total TCDFs	303.9016	17.76	6872.277	10.5199	10.5199	0.97151	0.6249	0.669	0.770	NO	46.167	
12	5 Total TCDFs	303.9016	17.60	4516.366	6.9135	5.7936	0.97151	0.6249	0.574	0.770	YES	36.020	
13	5 Total TCDFs	303.9016	17.48	5440.286	8.3278	8.3278	0.97151	0.6249	0.723	0.770	NO	31.163	
14	5 Total TCDFs	303.9016	17.20	5486.742	8.3989	8.3989	0.97151	0.6249	0.672	0.770	NO	41.468	
15	5 Total TCDFs	303.9016	16.98	4248.887	6.5041	6.5041	0.97151	0.6249	0.768	0.770	NO	23.684	
16	5 Total TCDFs	303.9016	16.68	4613.367	7.0620	7.0620	0.97151	0.6249	0.838	0.770	NO	30.089	

Total TCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	8 2,3,7,8-TCDD	319.8965	18.84	530.319	1.1963	0.8448	1.00877	0.6895	0.443	0.770	YES	4.528	
2	9 Total TCDDs	319.8965	18.34	452.598	1.0210	1.0210	1.00877	0.6895	0.797	0.770	NO	3.727	
3	9 Total TCDDs	319.8965	17.90	136.286	0.3074	0.3074	1.00877	0.6895	0.825	0.770	NO	2.353	
4	9 Total TCDDs	319.8965	17.72	780.241	1.7601	1.5965	1.00877	0.6895	0.951	0.770	YES	7.524	
5	9 Total TCDDs	319.8965	16.87	1304.920	2.9437	2.9437	1.00877	0.6895	0.840	0.770	NO	11.828	
6	9 Total TCDDs	319.8965	16.57	484.362	1.0927	0.7999	1.00877	0.6895	1.420	0.770	YES	5.597	

Total F2 PeCDFs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	1. 2,3,4,7,8-PeCDF	339.8597	24.94	4204.730	7.6120	7.6120	1.02843	1.5368	1.781	1.550	NO	9.575	
2	1. Total F2 PeCD...	339.8597	24.12	3774.933	6.7014	6.0763	1.04877	1.5069	1.228	1.550	YES	10.739	
3	1. Total F2 PeCD...	339.8597	23.83	1788.040	3.1742	2.7365	1.04877	1.5069	1.958	1.550	YES	4.694	
4	1. 1,2,3,7,8-PeCDF	339.8597	23.53	7314.156	12.7372	12.7372	1.06912	1.4783	1.552	1.550	NO	20.375	
5	1. Total F2 PeCD...	339.8597	23.40	2671.273	4.7421	4.0786	1.04877	1.5069	1.965	1.550	YES	6.275	
6	1. Total F2 PeCD...	339.8597	23.03	6901.132	12.2511	10.8919	1.04877	1.5069	1.868	1.550	YES	12.112	
7	1. Total F2 PeCD...	339.8597	22.60	1895.757	3.3654	3.3654	1.04877	1.5069	1.780	1.550	NO	5.407	
8	1. Total F2 PeCD...	339.8597	22.07	16077.355	28.5409	28.5409	1.04877	1.5069	1.507	1.550	NO	38.572	
9	1. Total F2 PeCD...	339.8597	21.85	3730.099	6.6218	6.6218	1.04877	1.5069	1.618	1.550	NO	10.694	
10	1. Total F2 PeCD...	339.8597	25.28	2204.780	3.9140	3.9140	1.04877	1.5069	1.392	1.550	NO	4.414	

22.37

3.7092

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time

Printed: Tuesday, December 21, 2010 11:06:13 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

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	20.43	2946.592	5.2309	5.2309	1.04877	0.6141	1.558	1.550	NO	20.161	

Total PeCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	2. Total PeCDDs	355.8546	24.51	98.580	0.2918	0.1616	0.88408	1.4906	0.507	1.550	YES	2.458	
2	2. Total PeCDDs	355.8546	24.16	404.393	1.1970	0.6889	0.88408	1.4906	6.849	1.550	YES	3.558	
3	2. Total PeCDDs	355.8546	23.56	938.174	2.7770	2.0220	0.88408	1.4906	2.502	1.550	YES	8.574	
4	2. Total PeCDDs	355.8546	23.14	134.678	0.3987	0.3648	0.88408	1.4906	1.787	1.550	YES	1.998	
5	2. Total PeCDDs	355.8546	22.28	934.004	2.7647	2.5749	0.88408	1.4906	1.305	1.550	YES	8.151	
6	2. Total PeCDDs	355.8546	25.78	221.043	0.6543	0.5752	0.88408	1.4906	1.147	1.550	YES	5.369	
7	2. 1,2,3,7,8-PeC...	355.8546	25.69	475.694	1.4081	1.4081	0.88408	1.4906	1.639	1.550	NO	4.488	

Total HxCDFs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	2. 1,2,3,7,8,9-Hx...	373.8208	32.89	1493.279	3.2247	3.2247	1.07822	1.4510	1.149	1.240	NO	11.862	
2	2. 2,3,4,6,7,8-Hx...	373.8208	32.16	2733.396	5.1431	4.3469	1.23749	1.2642	0.879	1.240	YES	18.512	
3	3. Total HxCDFs	373.8208	32.09	2224.815	4.2027	4.2027	1.23262	1.2692	1.420	1.240	NO	14.951	
4	3. Total HxCDFs	373.8208	31.90	2965.221	5.6013	4.3091	1.23262	1.2692	0.742	1.240	YES	14.625	
5	3. Total HxCDFs	373.8208	31.65	3430.346	6.4799	5.8632	1.23262	1.2692	1.003	1.240	YES	19.720	
6	2. 1,2,3,6,7,8-Hx...	373.8208	31.52	9834.861	16.4007	16.4007	1.39626	1.1205	1.235	1.240	NO	52.437	
7	2. 1,2,3,4,7,8-Hx...	373.8208	31.37	10563.383	20.1853	20.1853	1.21851	1.2839	1.160	1.240	NO	63.482	
8	3. Total HxCDFs	373.8208	30.81	1546.246	2.9209	2.4646	1.23262	1.2692	1.655	1.240	YES	5.613	
9	3. Total HxCDFs	373.8208	30.52	1901.852	3.5926	3.5926	1.23262	1.2692	1.172	1.240	NO	8.807	
10	3. Total HxCDFs	373.8208	30.23	810.722	1.5315	1.3748	1.23262	1.2692	0.988	1.240	YES	4.490	
11	3. Total HxCDFs	373.8208	29.93	12121.948	22.8984	22.8984	1.23262	1.2692	1.194	1.240	NO	42.414	
12	3. Total HxCDFs	373.8208	29.53	6347.308	11.9901	10.2976	1.23262	1.2692	0.906	1.240	YES	22.360	
13	3. Total HxCDFs	373.8208	32.96	1832.705	3.4620	3.1975	1.23262	1.2692	1.046	1.240	YES	11.031	
14	3. Total HxCDFs	373.8208	31.35	3359.674	6.3464	5.8641	1.23262	1.2692	1.047	1.240	YES	42.940	

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1													

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 11:06:13 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: G0L140439-8 0349402

Total HxCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	3. Total HxCDDs	389.8157	32.14	307.647	0.7388	0.5519	1.08365	0.6826	1.998	1.240	YES	3.245	
2	3. Total HxCDDs	389.8157	31.86	162.564	0.3904	0.3368	1.08365	0.6826	0.914	1.240	YES	2.741	
3	3. Total HxCDDs	389.8157	31.70	1597.029	3.8349	3.8349	1.08365	0.6826	1.295	1.240	NO	19.489	
4	3. Total HxCDDs	389.8157	31.51	449.299	1.0789	0.7333	1.08365	0.6826	2.296	1.240	YES	3.660	
5	3. Total HxCDDs	389.8157	31.43	1796.437	4.3138	4.3138	1.08365	0.6826	1.342	1.240	NO	15.545	
6	3. Total HxCDDs	389.8157	30.72	734.048	1.7627	1.7627	1.08365	0.6826	1.221	1.240	NO	6.304	
7	3. Total HxCDDs	389.8157	33.52	111.945	0.2688	0.2084	1.08365	0.6826	0.752	1.240	YES	2.379	
8	3. Total HxCDDs	389.8157	32.85	357.896	0.8594	0.0905	1.08365	0.6826	20.260	1.240	YES	1.222	
9	3. 1,2,3,7,8,9-Hx...	389.8157	32.73	1022.969	2.3922	2.1766	1.11276	0.6648	1.462	1.240	YES	11.435	
10	3. 1,2,3,6,7,8-Hx...	389.8157	32.41	965.974	2.2635	1.5271	1.11052	0.6661	0.596	1.240	YES	16.257	
11	3. 1,2,3,4,7,8-Hx...	389.8157	32.32	551.943	1.3976	1.1570	1.02768	0.7198	1.706	1.240	YES	6.570	

#	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	35.36	8736.294	20.5795	20.5795	1.19912	0.8862	1.063	1.040	NO	71.248	
2	4. Total HpCDFs	407.7818	34.56	9358.104	20.3275	20.3275	1.30039	0.8172	1.101	1.040	NO	78.282	
3	4. Total HpCDFs	407.7818	34.44	6769.103	14.7037	14.7037	1.30039	0.8172	1.019	1.040	NO	65.021	
4	3. 1,2,3,4,6,7,8-H...	407.7818	34.25	33512.623	67.5356	67.5356	1.40167	0.7582	1.102	1.040	NO	288.726	

Total HpCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4. Total HpCDDs	423.7766	35.38	602.861	1.8257	0.5959	0.98108	0.7870	5.250	1.040	YES	4.767	
2	4. Total HpCDDs	423.7766	35.29	61.675	0.1868	0.1497	0.98108	0.7870	1.546	1.040	YES	1.700	
3	4. 1,2,3,4,6,7,8-H...	423.7766	35.06	4200.849	12.7221	11.2855	0.98108	0.7870	1.300	1.040	YES	52.151	
4	4. Total HpCDDs	423.7766	34.50	3705.839	11.2230	11.2230	0.98108	0.7870	1.064	1.040	NO	53.287	
5	4. Total HpCDDs	423.7766	34.23	645.731	1.9556	0.6858	0.98108	0.7870	4.817	1.040	YES	5.071	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
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Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402, Task:

#	Name	Trace	Sample Size	RT	Prd	RJ	RRF	M	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod/Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.73	18.70	1.00000			2160318.31	4000.0000	4000.0000	100.0	3.34113	0.76		NO
2																
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993			2689696.38	3744.6841	3744.6841	93.6	2.42777	0.83		NO
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.16	0.97151			12476.56	19.0988	19.0988		0.62486	0.85		NO
5	Total TCDFs	303.9016	0.500	21.44	0.97151				92.1022	87.7298	87.7298		0.62486			
6	13C-2,3,7,8-TCDD	331.9368	0.500	18.91	18.94	0.88993			1757737.19	3657.1481	3657.1481	91.4	3.75440	0.74		NO
7	2,3,7,8-TCDD	319.8965	0.500	18.84	18.96	1.00877			530.32	1.1963	0.8448		0.68954	0.44		YES
8	Total TCDDs	319.8965	0.500	19.55	1.00877				8.2550	7.2565	7.2565		0.68954			
9	37CL-2,3,7,8-TCDD	327.8847	0.500	18.93	18.92	0.64940			488181.59	1710.6929	0.0000	106.9	1.87593			
10																
11	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.57	0.97070			2148453.31	4098.0974	4098.0974	102.5	4.22599	1.63		NO
12	1,2,3,7,8-PeCDF	339.8597	0.500	23.53	23.53	1.06912			7314.16	12.7372	12.7372		1.47827	1.55		NO
13	2,3,4,7,8-PeCDF	339.8597	0.500	24.94	24.95	1.02843			4204.73	7.6120	7.6120		1.53676	1.78		NO
14	Total F2 PeCDFs	339.8597	0.500	34.47	1.04877				88.2779	83.7339	83.7339		1.50695			
15	Total F1 PeCDFs	339.8597	0.500	36.56	1.04877				5.2309	5.2309	5.2309		0.61407			
16																
17	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.78	0.71523			1528518.38	3957.0303	3957.0303	98.9	4.45043	1.63		NO
18	1,2,3,7,8-PeCDD	355.8546	0.500	25.69	25.73	0.88408			475.69	1.4081	1.4081		1.49064	1.64		NO
19	Total PeCDDs	355.8546	0.500	31.10	0.88408				9.0757	6.9190	6.9190		1.49064			
20																
21	13C-1,2,3,7,8-HxCDD	401.8559	0.500	32.69	32.74	1.00000			1773057.44	4000.0000	4000.0000	100.0	3.72936	1.25		NO
22																
23	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.36	31.38	1.08439			1717901.44	3573.9516	3573.9516	89.3	7.86914	0.53		NO
24	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.37	31.38	1.21851			13805.78	26.3811	26.3811		1.28391	1.12		NO
25	2,3,6,7,8-HxCDF	373.8208	0.500	31.52	31.51	1.39626			9834.86	16.4007	16.4007		1.12046	1.23		NO
26	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.15	1.23749			2733.40	5.1431	4.3469		1.26422	0.88		YES
27	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.89	32.86	1.07822			1493.28	3.2247	3.2247		1.45096	1.15		NO
28	Total HxCDFs	373.8208	0.500	0.00	1.23262				108.7690	100.8569	100.8569		1.26921			
29																
30	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.40	32.40	0.89448			1537179.88	3876.9439	3876.9439	96.9	4.16929	1.30		NO
31	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.32	32.33	1.02768			469.09	1.1878	0.9380		0.71981	1.84		YES
32	2,3,6,7,8-HxCDD	389.8157	0.500	32.41	32.41	1.11052			848.54	1.9883	1.0300		0.66611	0.40		YES
33	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.70	32.70	1.11276			750.08	1.7540	1.4133		0.66477	0.81		YES

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402, Task:

# Name	Trace	Sample Size	RT	Pred. RT	RPF	M	Abs. Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
36 Total HxCDDs	389.8157	0.500		0.00	1.08365			18.1070	15.1055		0.68263			
37														
38 13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.25	34.22	0.88081	1416088.66	3626.9841	3626.9841	3626.9841	90.7	9.33710	0.46	NO	
39 1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.25	34.26	1.40167	33512.62	67.5356	67.5356	67.5356		0.75816	1.10	NO	
40 1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.36	1.19912	8736.29	20.5795	20.5795	20.5795		0.88623	1.06	NO	
41 Total HpCDFs	407.7818	0.500		0.00	1.30039		123.1462	123.1462	123.1462		0.81721			
42														
43 13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.02	0.85740	1346267.50	3542.2845	3542.2845	3542.2845	88.6	8.90870	1.07	NO	
44 1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.06	35.06	0.98108	4200.85	12.7221	11.2856	11.2856		0.78698	1.30	YES	
45 Total HpCDDs	423.7766	0.500		-0.02	0.98108		27.9132	23.9400	23.9400		0.78698			
46														
47 13C-OCDD	469.7779	0.500	37.53	37.45	0.64317	2004730.38	7031.8559	7031.8559	7031.8559	87.9	11.51252	0.89	NO	
48 OCDF	441.7428	0.500	37.64	37.64	1.47706	54156.41	146.3139	146.3139	146.3139		0.96581	0.88	NO	
49 OCDD	457.7377	0.500	37.54	37.54	1.19620	9712.89	32.4025	32.4025	32.4025		0.69278	0.95	NO	
50														
51 Function 1 PFK	330.97920	1.000		0.00										
52 Function 2 PFK	342.97920	1.000		0.00										
53 Function 3 PFK	380.97600	1.000		0.00										
54 Function 4 PFK	430.97290	1.000		0.00										
55 Function 5 PFK	442.97280	1.000		0.00										
56 TCDF PCDFE	375.8364	1.000	20.24	20.25	17.814...	2.04	0.1144	0.1144	0.1144	11.4	0.20471			
57 F1 PeCDF PCDFE	409.79740	1.000		19.31	97.109...						0.00000			
58 F2 PeCDF PCDFE	409.7974	1.000	28.33	28.29	51.062...	39.47	0.7730	0.7730	0.7730	77.3	1.38050			
59 HxCDF PCDFE	445.7555	1.000	33.21	33.24	21.190...	60.18	2.8401	2.8401	2.8401	284.0	0.52757			
60 HPCDF PCDFE	479.7165	1.000	34.31	34.27	39.173...	75.68	1.9320	1.9320	1.9320	193.2	1.42294			
61 OCDF PCDFE	513.67750	1.000		39.16	27.302...						0.00000			
62														

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
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Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402, Task:

Total TCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	5 Total TCDFs	303.9016	16.39	8858.785	13.5608	13.5608	0.97151	0.6249	0.877	0.770	NO	60.981
2	5 Total TCDFs	303.9016	16.12	842.993	1.2904	0.7482	0.97151	0.6249	0.337	0.770	YES	7.712
3	5 Total TCDFs	303.9016	15.95	712.171	1.0902	1.0024	0.97151	0.6249	0.925	0.770	YES	5.169
4	5 Total TCDFs	303.9016	15.60	1506.579	2.3062	2.3062	0.97151	0.6249	0.834	0.770	NO	12.657
5	5 Total TCDFs	303.9016	20.11	707.858	1.0836	0.8273	0.97151	0.6249	0.497	0.770	YES	5.722
6	5 Total TCDFs	303.9016	19.11	509.808	0.7804	0.5806	0.97151	0.6249	0.479	0.770	YES	5.542
7	5 Total TCDFs	303.9016	18.75	289.165	0.4426	0.3750	0.97151	0.6249	0.584	0.770	YES	3.598
8	5 Total TCDFs	303.9016	18.64	2018.306	3.0896	3.0896	0.97151	0.6249	0.842	0.770	NO	11.609
9	5 Total TCDFs	303.9016	18.32	266.177	0.4075	0.3356	0.97151	0.6249	1.149	0.770	YES	2.671
10	4 2,3,7,8-TCDF	303.9016	18.17	12476.558	19.0988	19.0988	0.97151	0.6249	0.845	0.770	NO	66.990
11	5 Total TCDFs	303.9016	18.01	1183.948	1.8124	0.9778	0.97151	0.6249	0.307	0.770	YES	9.879
12	5 Total TCDFs	303.9016	17.76	6872.277	10.5199	10.5199	0.97151	0.6249	0.668	0.770	NO	46.167
13	5 Total TCDFs	303.9016	17.60	4516.366	6.9135	5.7936	0.97151	0.6249	0.574	0.770	YES	36.020
14	5 Total TCDFs	303.9016	17.48	4834.810	7.4010	6.9136	0.97151	0.6249	0.895	0.770	YES	31.076
15	5 Total TCDFs	303.9016	17.21	5486.742	8.3989	8.3989	0.97151	0.6249	0.672	0.770	NO	41.468
16	5 Total TCDFs	303.9016	16.98	2914.012	4.4607	4.0418	0.97151	0.6249	0.651	0.770	YES	23.928
17	5 Total TCDFs	303.9016	16.90	1557.234	2.3838	2.0978	0.97151	0.6249	1.011	0.770	YES	13.535
18	5 Total TCDFs	303.9016	16.68	4613.367	7.0620	7.0620	0.97151	0.6249	0.838	0.770	NO	30.089

Total TCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	8 2,3,7,8-TCDD	319.8965	18.84	530.319	1.1963	0.8448	1.00877	0.6895	0.443	0.770	YES	4.528
2	9 Total TCDDs	319.8965	18.34	452.598	1.0210	1.0210	1.00877	0.6895	0.797	0.770	NO	3.727
3	9 Total TCDDs	319.8965	17.90	136.286	0.3074	0.3074	1.00877	0.6895	0.824	0.770	NO	2.353
4	9 Total TCDDs	319.8965	17.72	670.516	1.5126	1.2302	1.00877	0.6895	1.176	0.770	YES	7.354
5	9 Total TCDDs	319.8965	17.64	80.321	0.1812	0.1100	1.00877	0.6895	0.359	0.770	YES	1.780
6	9 Total TCDDs	319.8965	16.87	1304.920	2.9437	2.9437	1.00877	0.6895	0.840	0.770	NO	11.828
7	9 Total TCDDs	319.8965	16.57	484.362	1.0927	0.7993	1.00877	0.6895	1.420	0.770	YES	5.597

Total F2 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... 2,3,4,7,8-PeCDF	339.8597	24.94	4204.730	7.6120	7.6120	1.02843	1.5368	1.781	1.550	NO	9.575
2	... Total F2 PeCD...	339.8597	24.12	3774.933	6.7014	6.0763	1.04877	1.5069	1.228	1.550	YES	10.739
3	... Total F2 PeCD...	339.8597	23.83	1788.040	3.1742	2.7365	1.04877	1.5069	1.958	1.550	YES	4.694
4	... 1,2,3,7,8-PeCDF	339.8597	23.53	7314.156	12.7372	12.7372	1.06912	1.4783	1.552	1.550	NO	20.375
5	... Total F2 PeCD...	339.8597	23.40	2671.273	4.7421	4.0786	1.04877	1.5069	1.965	1.550	YES	6.275
6	... Total F2 PeCD...	339.8597	23.03	5627.157	9.9895	8.3405	1.04877	1.5069	2.054	1.550	YES	12.054
7	... Total F2 PeCD...	339.8597	22.90	1229.402	2.1825	2.0208	1.04877	1.5069	1.287	1.550	YES	5.465
8	... Total F2 PeCD...	339.8597	22.60	1895.757	3.3654	3.3654	1.04877	1.5069	1.780	1.550	NO	5.407
9	... Total F2 PeCD...	339.8597	22.07	16077.355	28.5409	28.5409	1.04877	1.5069	1.507	1.550	NO	38.572
10	... Total F2 PeCD...	339.8597	21.85	3730.099	6.6218	6.6218	1.04877	1.5069	1.618	1.550	NO	10.694
11	... Total F2 PeCD...	339.8597	25.30	1470.837	2.6111	1.6040	1.04877	1.5069	0.596	1.550	YES	4.414

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

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Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402, Task:

Total F1 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1	... Total F1 PeCD...	339.8597	20.43	2946.592	5.2309	5.2309	1.04877	0.6141	1.558	1.550	NO	20.161

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1	... Total PeCDDs	355.8546	24.51	98.580	0.2918	0.1616	0.88408	1.4906	0.508	1.550	YES	2.458
2	... Total PeCDDs	355.8546	24.16	404.393	1.1970	0.3889	0.88408	1.4906	6.849	1.550	YES	3.558
3	... Total PeCDDs	355.8546	23.56	938.174	2.7770	2.0220	0.88408	1.4906	2.502	1.550	YES	8.574
4	... Total PeCDDs	355.8546	23.14	134.678	0.3987	0.3648	0.88408	1.4906	1.787	1.550	YES	1.998
5	... Total PeCDDs	355.8546	22.28	793.508	2.3488	1.9985	0.88408	1.4906	1.997	1.550	YES	8.141
6	... Total PeCDDs	355.8546	25.78	221.043	0.6543	0.5752	0.88408	1.4906	1.147	1.550	YES	5.369
7	... 1,2,3,7,8-PeC...	355.8546	25.69	475.694	1.4081	1.4081	0.88408	1.4906	1.639	1.550	NO	4.488

Total HxCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1	... 1,2,3,7,8,9-Hx...	373.8208	32.89	1493.279	3.2247	3.2247	1.07822	1.4510	1.149	1.240	NO	11.862
2	... 2,3,4,6,7,8-Hx...	373.8208	32.16	2733.396	5.1431	4.3469	1.23749	1.2642	0.879	1.240	YES	18.512
3	... Total HxCDFs	373.8208	32.09	2224.815	4.2027	4.2027	1.23262	1.2692	1.420	1.240	NO	14.951
4	... Total HxCDFs	373.8208	31.90	2490.619	4.7048	4.3091	1.23262	1.2692	1.028	1.240	YES	14.781
5	... Total HxCDFs	373.8208	31.65	3430.346	6.4799	5.8632	1.23262	1.2692	1.004	1.240	YES	19.720
6	... 1,2,3,6,7,8-Hx...	373.8208	31.52	9834.861	16.4007	16.4007	1.39626	1.1205	1.234	1.240	NO	52.437
7	... 1,2,3,4,7,8-Hx...	373.8208	31.37	13805.779	26.3811	26.3811	1.21851	1.2839	1.123	1.240	NO	63.160
8	... Total HxCDFs	373.8208	30.81	1331.068	2.5144	1.5541	1.23262	1.2692	2.624	1.240	YES	5.624
9	... Total HxCDFs	373.8208	30.52	1901.852	3.5926	3.5926	1.23262	1.2692	1.172	1.240	NO	8.807
10	... Total HxCDFs	373.8208	30.23	810.722	1.5315	1.3748	1.23262	1.2692	0.988	1.240	YES	4.490
11	... Total HxCDFs	373.8208	29.93	12121.948	22.8984	22.8984	1.23262	1.2692	1.194	1.240	NO	42.414
12	... Total HxCDFs	373.8208	29.59	4358.486	8.2332	3.5110	1.23262	1.2692	0.309	1.240	YES	22.360
13	... Total HxCDFs	373.8208	32.96	1832.705	3.4620	3.1975	1.23262	1.2692	1.046	1.240	YES	11.031

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1												

Total HxCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (%)	Ratio	S/N
1	... Total HxCDDs	389.8157	32.14	307.647	0.7388	0.5519	1.08365	0.6826	1.999	1.240	YES	3.245
2	... Total HxCDDs	389.8157	31.86	162.564	0.3904	0.3368	1.08365	0.6826	0.915	1.240	YES	2.741
3	... Total HxCDDs	389.8157	31.70	1597.029	3.8349	3.8349	1.08365	0.6826	1.295	1.240	NO	19.489
4	... Total HxCDDs	389.8157	31.57	133.848	0.3214	0.3214	1.08365	0.6826	1.068	1.240	NO	3.133
5	... Total HxCDDs	389.8157	31.51	307.926	0.7394	0.3564	1.08365	0.6826	3.648	1.240	YES	3.575
6	... Total HxCDDs	389.8157	31.43	1774.501	4.2611	4.2611	1.08365	0.6826	1.337	1.240	NO	15.458
7	... Total HxCDDs	389.8157	30.72	734.048	1.7627	1.7627	1.08365	0.6826	1.221	1.240	NO	6.304
8	... Total HxCDDs	389.8157	33.52	111.945	0.2688	0.2084	1.08365	0.6826	0.752	1.240	YES	2.379
9	... Total HxCDDs	389.8157	32.85	357.896	0.8594	0.0905	1.08365	0.6826	20.260	1.240	YES	1.222
10	... 1,2,3,7,8,9-Hx...	389.8157	32.70	750.081	1.7540	1.4133	1.11276	0.6648	0.805	1.240	YES	11.435
11	... 1,2,3,6,7,8-Hx...	389.8157	32.41	848.539	1.9883	1.0300	1.11052	0.6661	0.402	1.240	YES	16.257
12	... 1,2,3,4,7,8-Hx...	389.8157	32.32	469.094	1.1878	0.9380	1.02768	0.7198	1.836	1.240	YES	6.591

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

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Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402, Task:

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio Y	Ratio	S/N
1												

Total HpCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio Y	Ratio	S/N
1	... 1,2,3,4,7,8,9-H...	407.7818	35.36	8736.294	20.5795	20.5795	1.19912	0.8862	1.063	1.040	NO	71.248
2	... Total HpCDFs	407.7818	34.56	9358.104	20.3275	20.3275	1.30039	0.8172	1.101	1.040	NO	78.282
3	... Total HpCDFs	407.7818	34.44	6769.103	14.7037	14.7037	1.30039	0.8172	1.019	1.040	NO	65.021
4	... 1,2,3,4,6,7,8-H...	407.7818	34.25	33512.623	67.5356	67.5356	1.40167	0.7582	1.102	1.040	NO	288.726

Total HpCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio Y	Ratio	S/N
1	... Total HpCDDs	423.7766	35.38	602.861	1.8257	0.5959	0.98108	0.7870	5.250	1.040	YES	4.767
2	... Total HpCDDs	423.7766	35.29	61.675	0.1868	0.1497	0.98108	0.7870	1.546	1.040	YES	1.700
3	... 1,2,3,4,6,7,8-H...	423.7766	35.06	4200.849	12.7221	11.2856	0.98108	0.7870	1.300	1.040	YES	52.151
4	... Total HpCDDs	423.7766	34.50	3705.839	11.2230	11.2230	0.98108	0.7870	1.064	1.040	NO	53.287
5	... Total HpCDDs	423.7766	34.23	645.731	1.9556	0.6858	0.98108	0.7870	4.817	1.040	YES	5.071

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

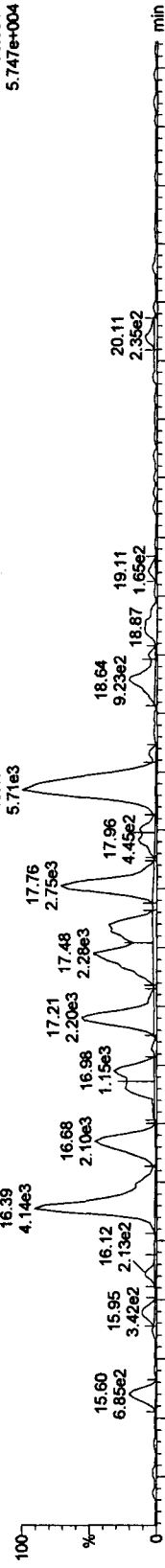
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

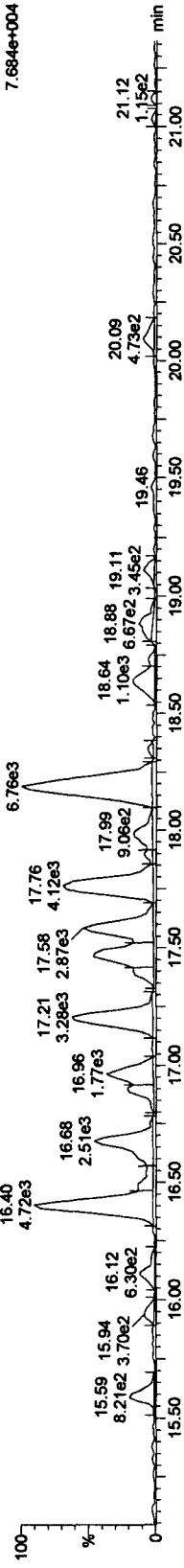
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

TCDFs

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

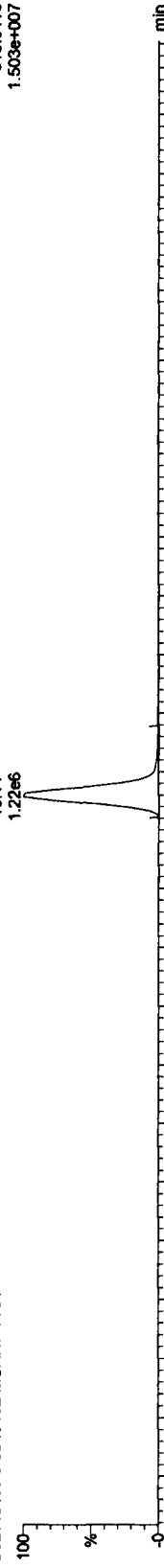


17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

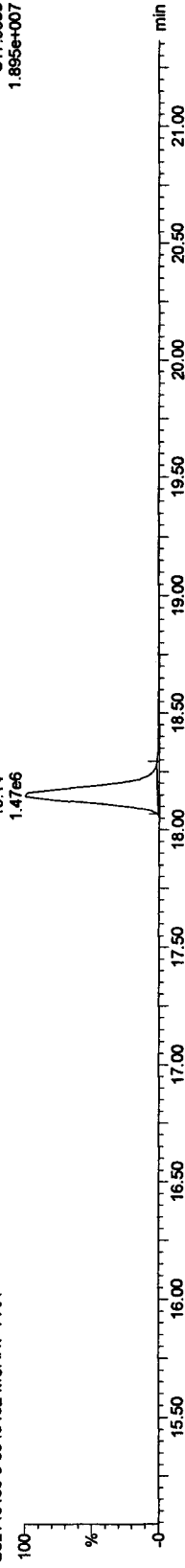


13C-TCDF

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\T093D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurvedB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Compound Name: Total TCDFs, Chrom. Trace: 303.9016

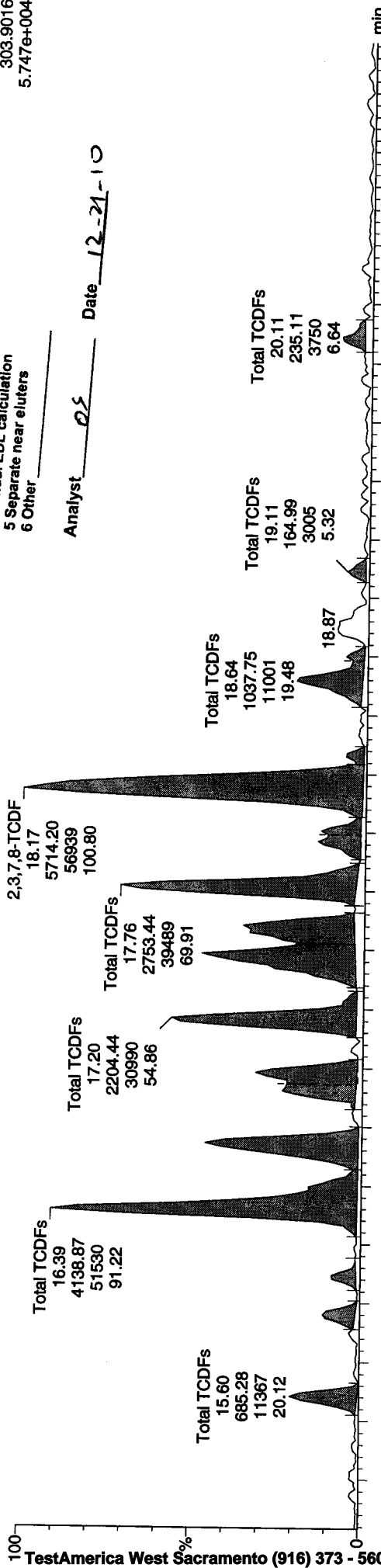
Sample Name: 17DE103D5_25
17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

Manual Edit Codes

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

F1: Voltage SIR, EI+
303.9016
5.747e+004

Analyst DS Date 12-21-10



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

F1: Voltage SIR, EI+
305.8987
7.684e+004

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

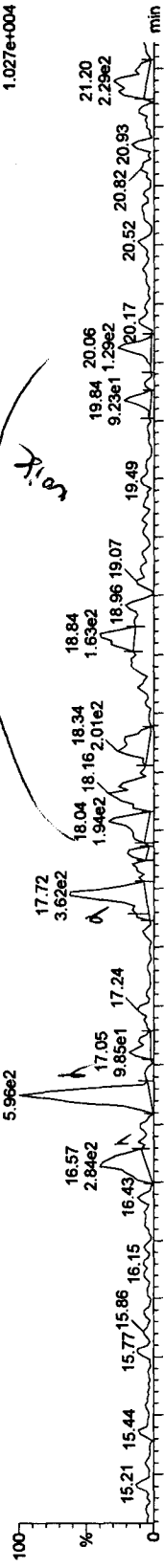
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

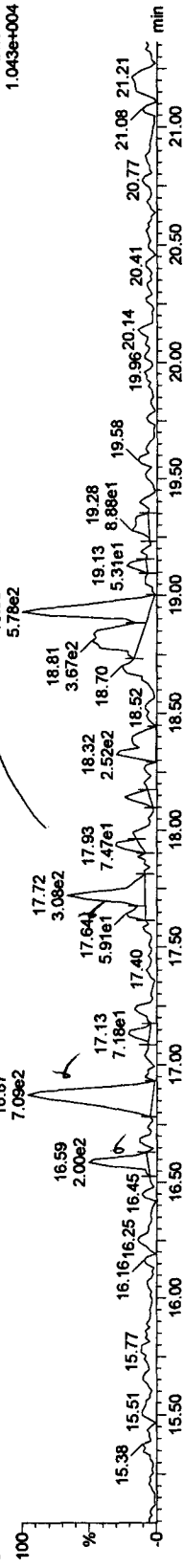
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

TCDDs

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

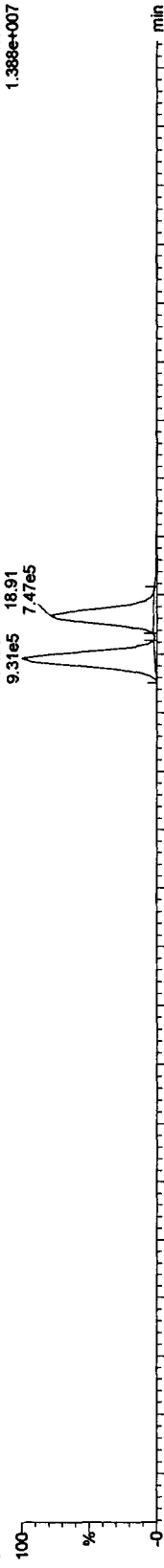


17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

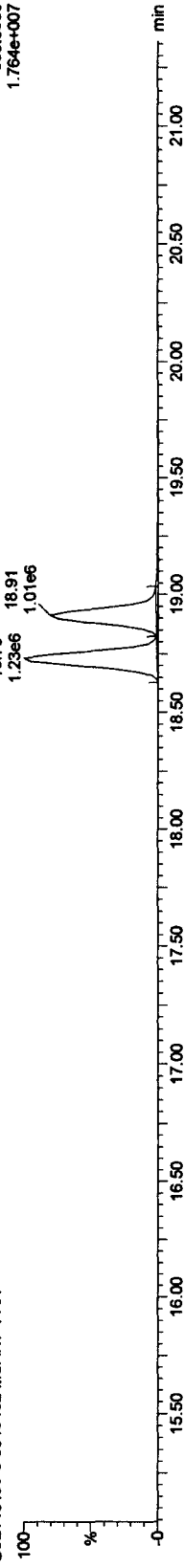


13C-TCDDs

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

Compound Name: Total TCDDs, Chrom. Trace: 319.8965

Sample Name: 17DE103D5_25

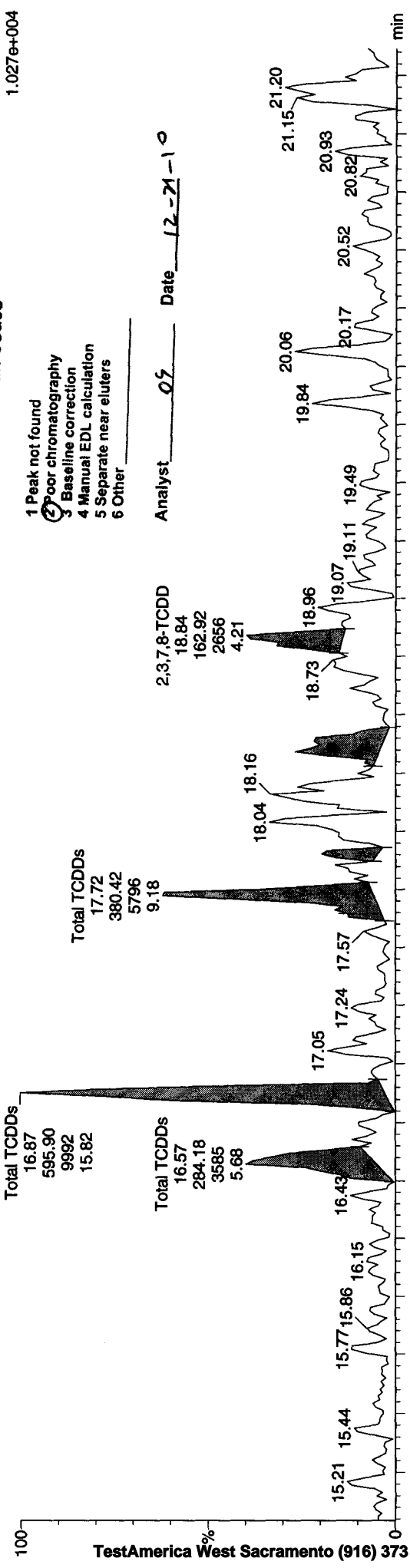
17DE103D5_25 Smooth(SG,1x2)
 GOL140439-8 0349402 MCAH7-1-AA

F1: Voltage SIR, EI+
 319.8965
 1.027e+004

Manual Edit Codes

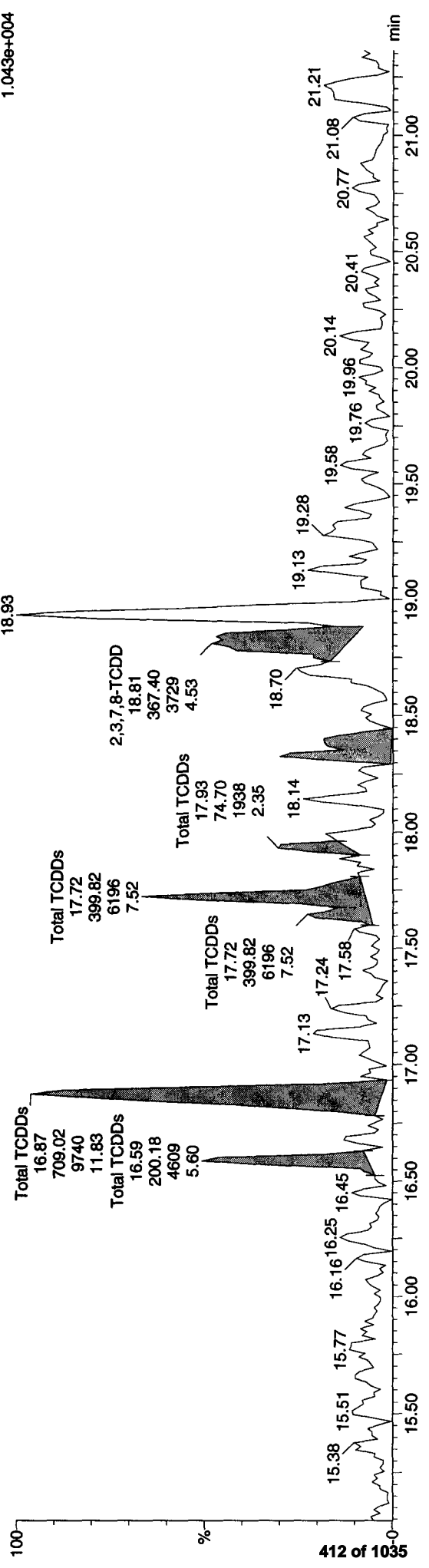
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: OS Date: 12-21-10



17DE103D5_25 Smooth(SG,1x2)
 GOL140439-8 0349402 MCAH7-1-AA

F1: Voltage SIR, EI+
 321.8936
 1.043e+004



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

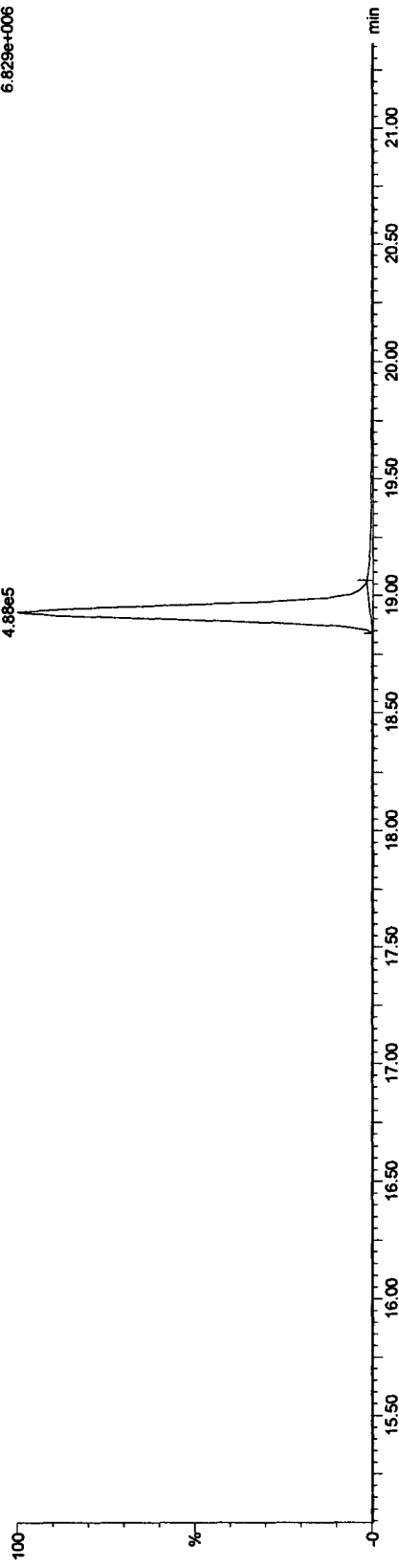
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

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

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

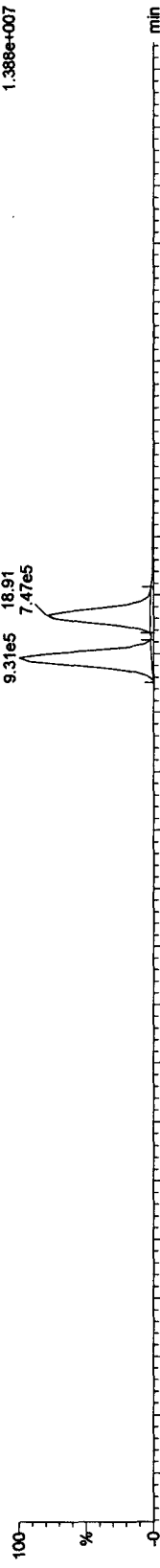
F1:Voltage SIR,EI+
327.8847
6.829e+006



13C-TCDDs

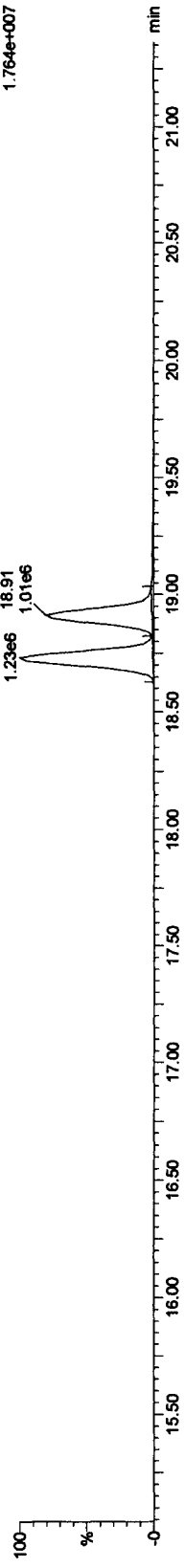
17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

F1:Voltage SIR,EI+
331.9368
1.388e+007



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

F1:Voltage SIR,EI+
333.9339
1.764e+007



Quantify Sample Report MassLynx 4.1

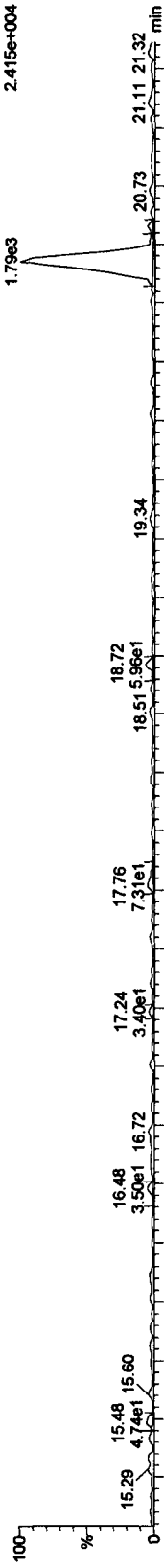
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

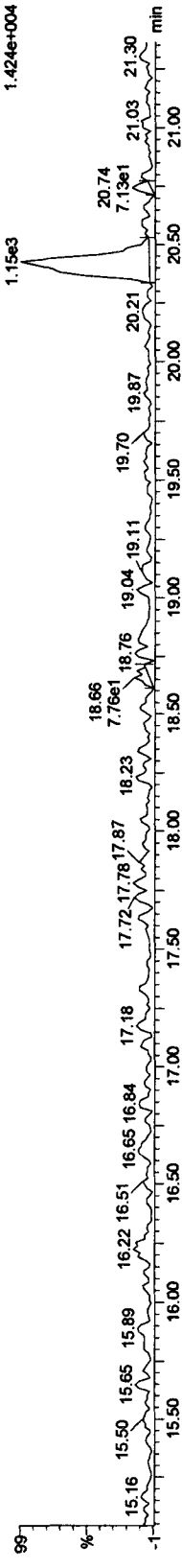
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

F1 PeCDFs

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

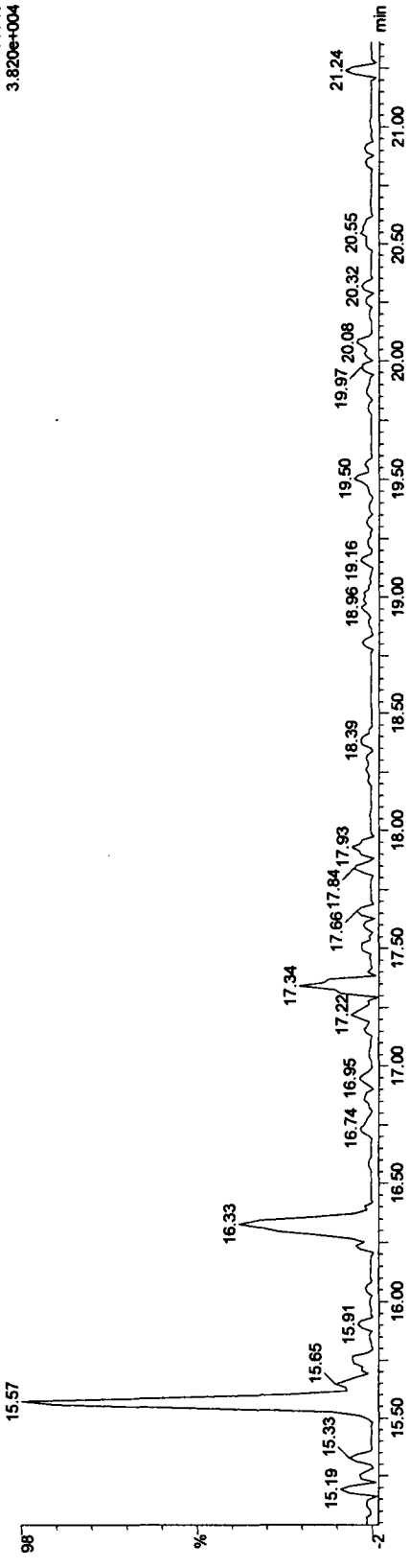


17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



F1 PeCDF PCDPE

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



Quantify Sample Report MassLynx 4.1

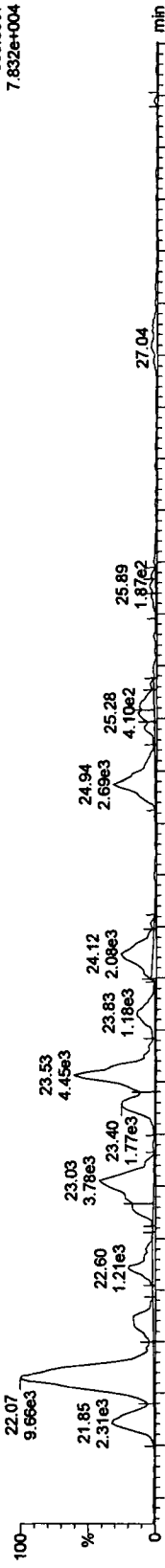
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

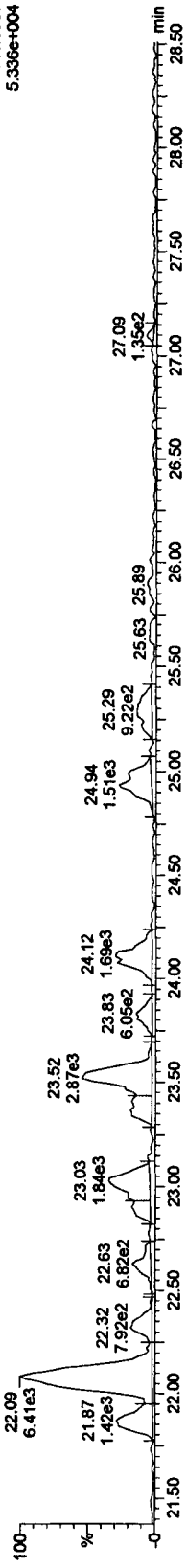
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: G0L140439-8 0349402

PeCDFs

17DE103D5_25 Smooth(SG.1x2)
 G0L140439-8 0349402 MCAH7-1-AA

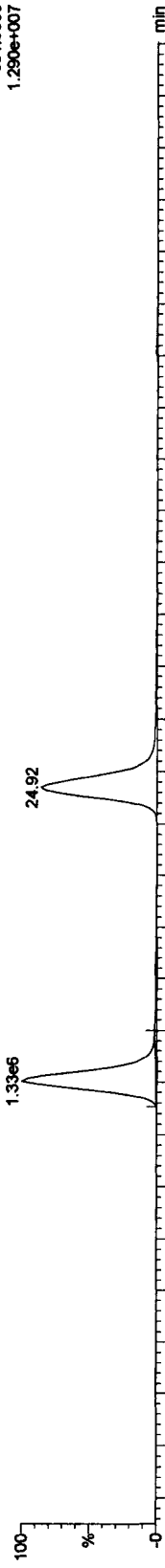


17DE103D5_25 Smooth(SG.1x2)
 G0L140439-8 0349402 MCAH7-1-AA

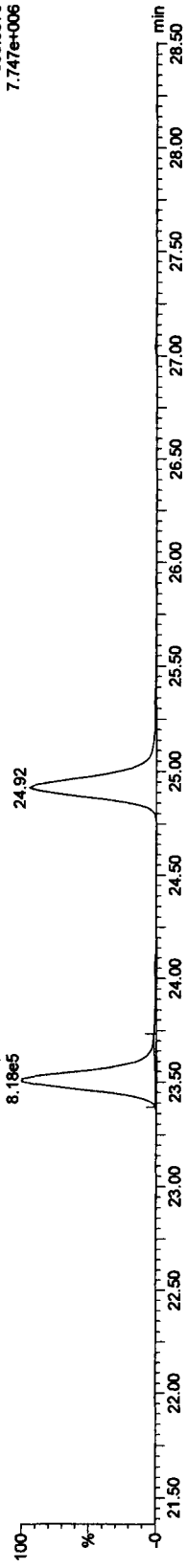


13C-PeCDFs

17DE103D5_25 Smooth(SG.1x2)
 G0L140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG.1x2)
 G0L140439-8 0349402 MCAH7-1-AA



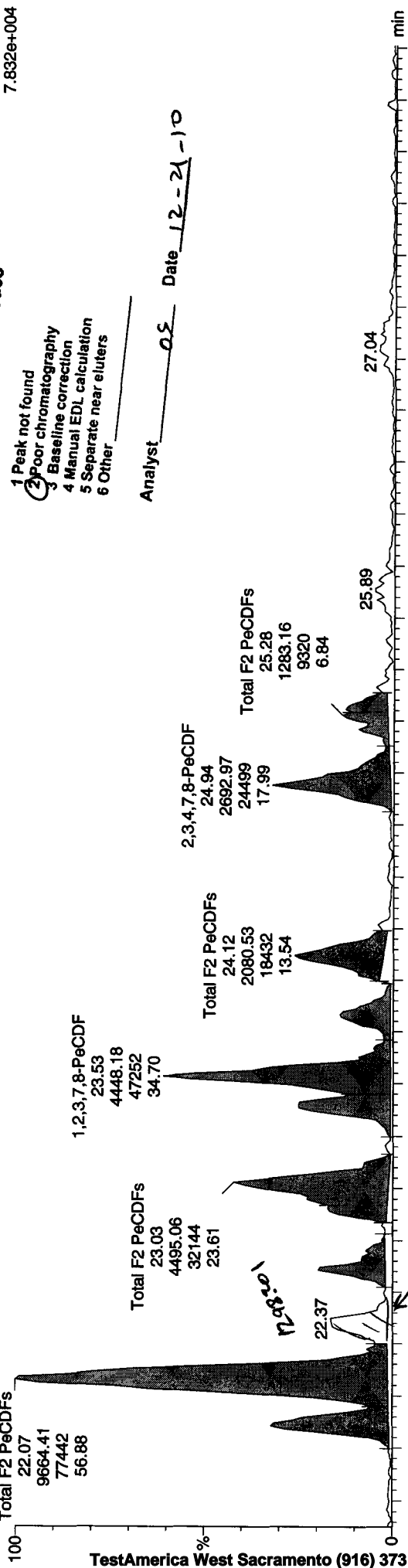
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Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

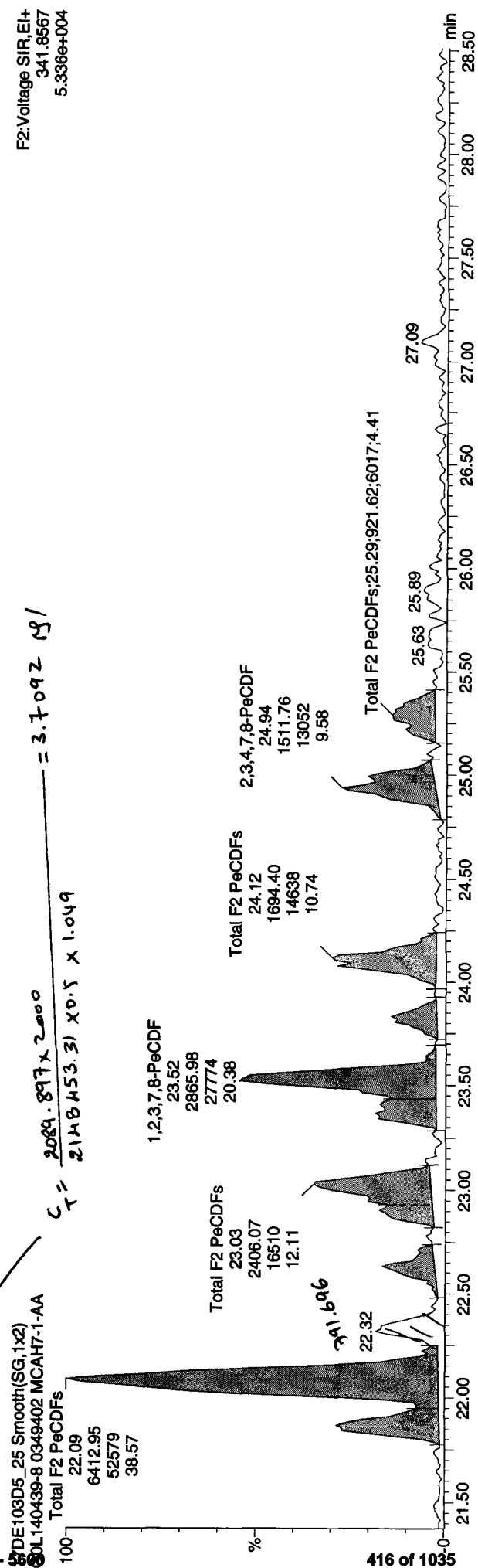
Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 17DE103D5_25

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



$$C_T = \frac{2080.897 \times 2000}{2148453.3} \times 0.5 \times 1.049 = 3.7092 \text{ ng/l}$$



Quantify Sample Report MassLynx 4.1

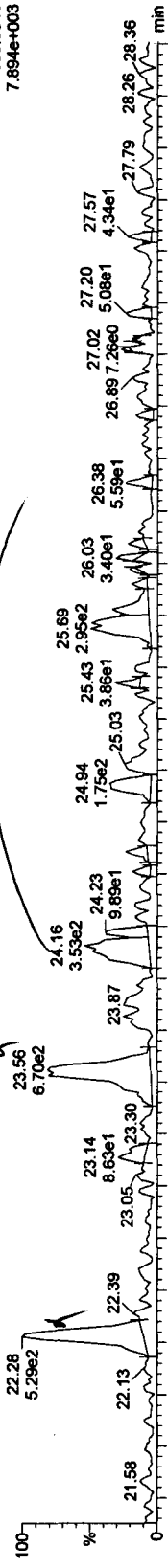
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

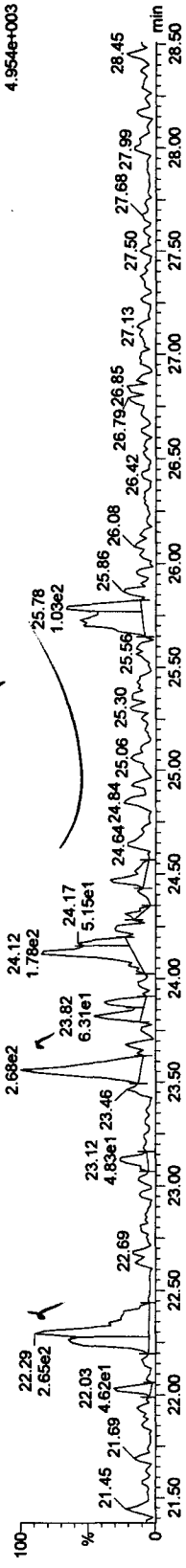
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

PeCDDs

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

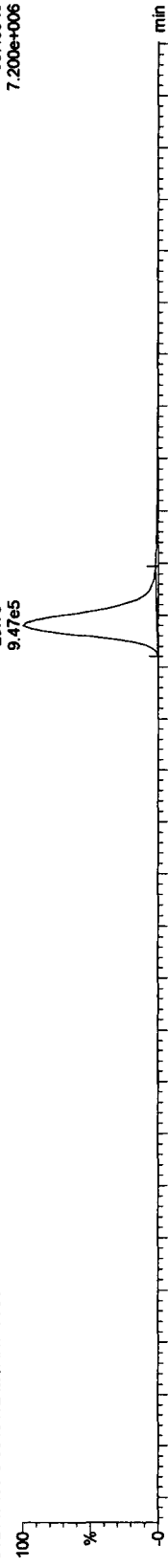


17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

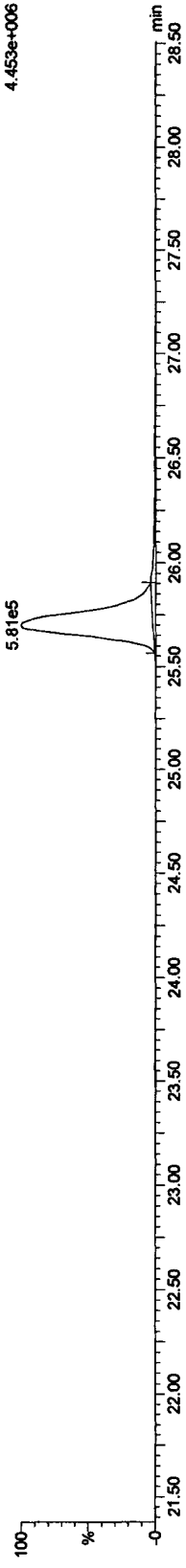


13C-PeCDD

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

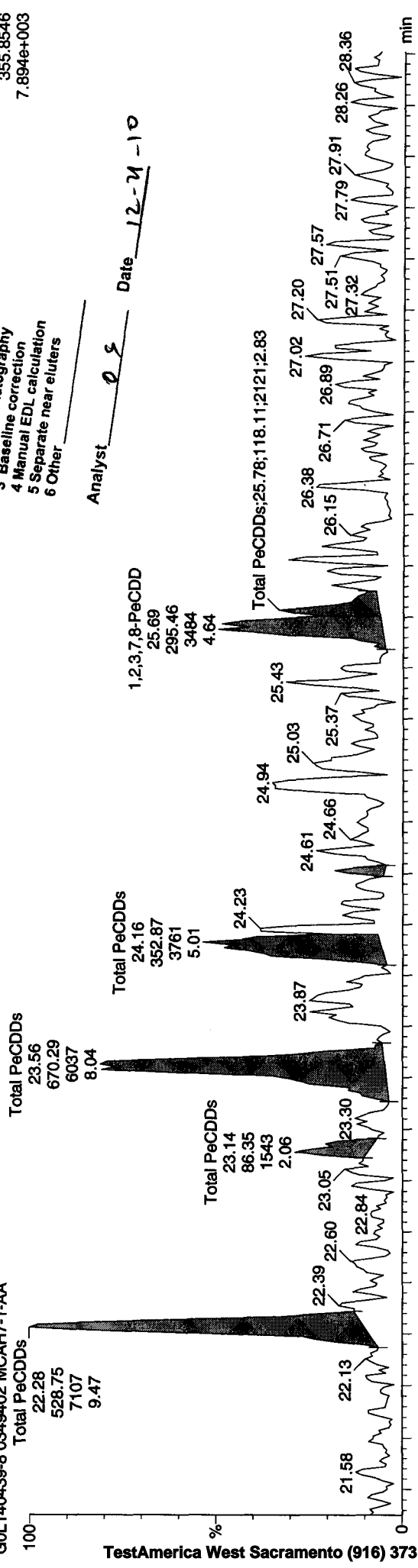
Compound Name: Total PeCDDs, Chrom. Trace: 355.8546

Sample Name: 17DE103D5_25
17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

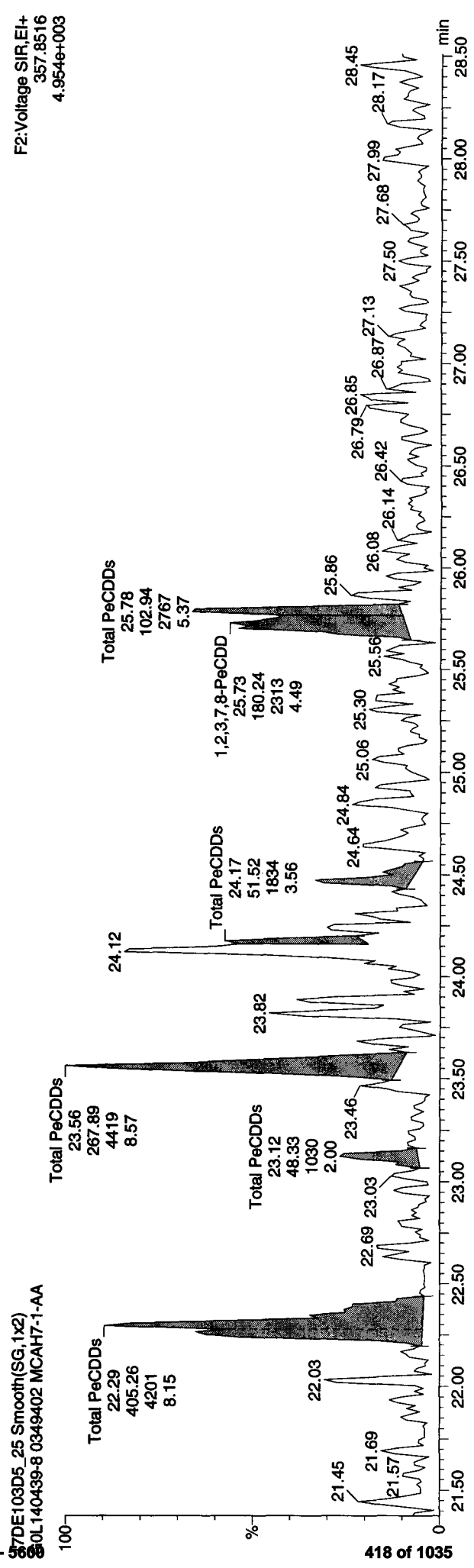
Manual Edit Codes
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other

Analyst: 05 Date: 12-21-10

F2: Voltage SIR, EI+
355.8546
7.8946+003



F2: Voltage SIR, EI+
357.8516
4.9546+003



Quantify Sample Report MassLynx 4.1

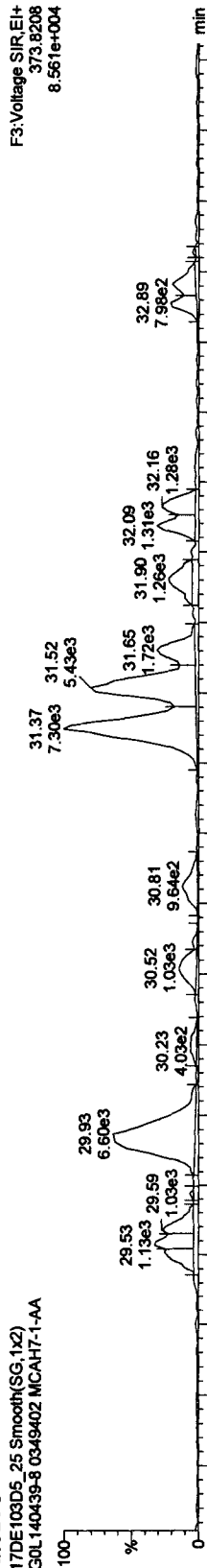
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

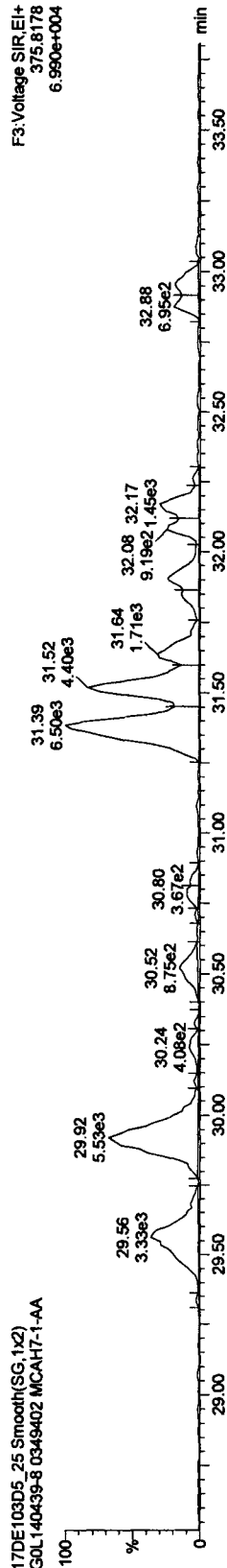
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

HxCDFs

17DE103D5_25 Smooth(SG,1X2)
GOL140439-8 0349402 MCAH7-1-AA

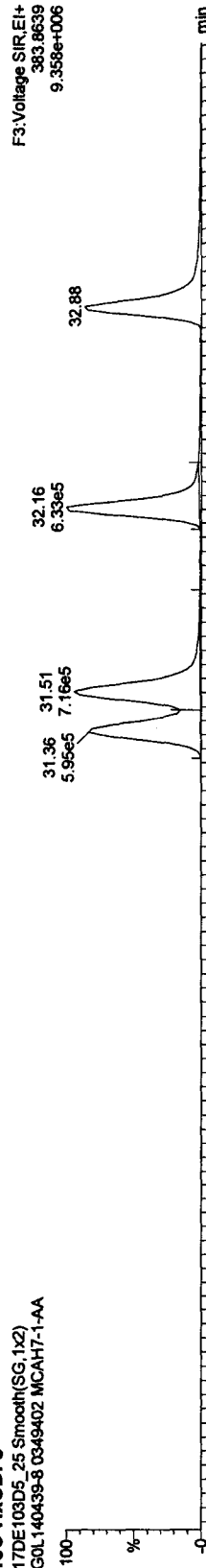


17DE103D5_25 Smooth(SG,1X2)
GOL140439-8 0349402 MCAH7-1-AA

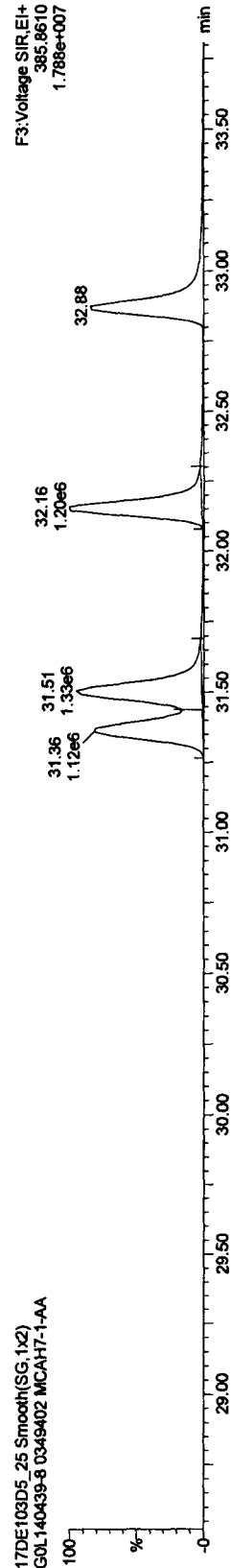


13C-HxCDFs

17DE103D5_25 Smooth(SG,1X2)
GOL140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1X2)
GOL140439-8 0349402 MCAH7-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5\T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

Manual Edit Codes

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

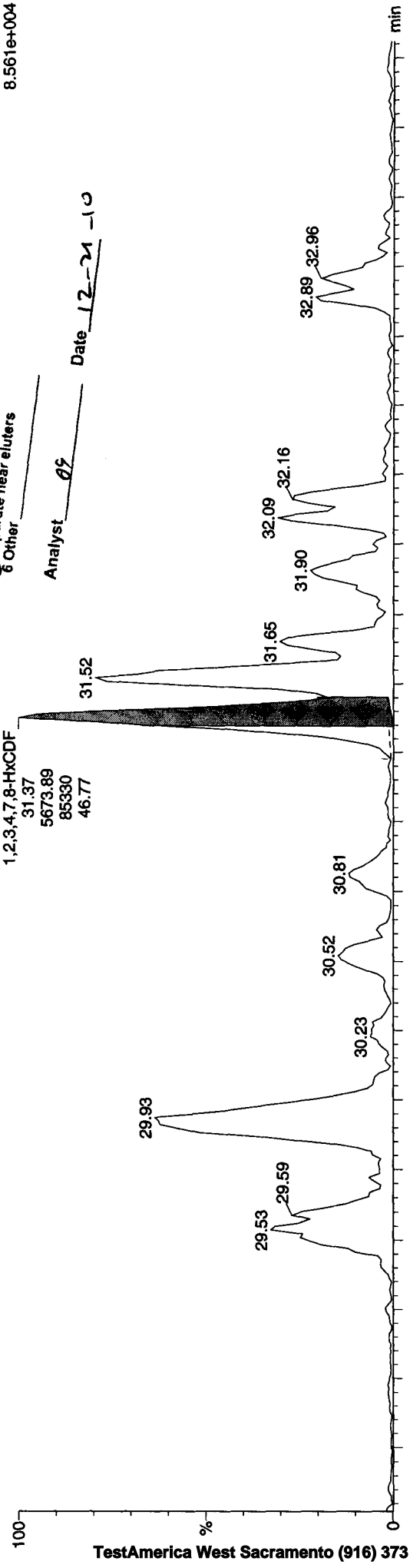
F3: Voltage SIR, EI+
373.8208
8.561e+004

Analyst DS Date 12-21-10

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

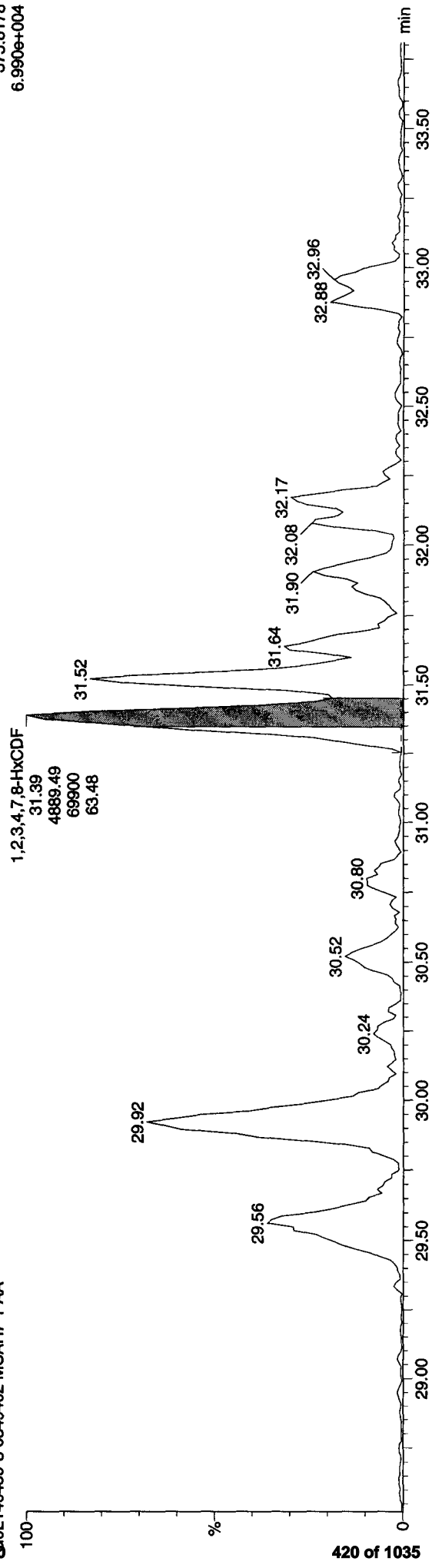
Sample Name: 17DE103D5_25

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA



F3: Voltage SIR, EI+
375.8178
6.990e+004

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

Manual Edit Codes

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

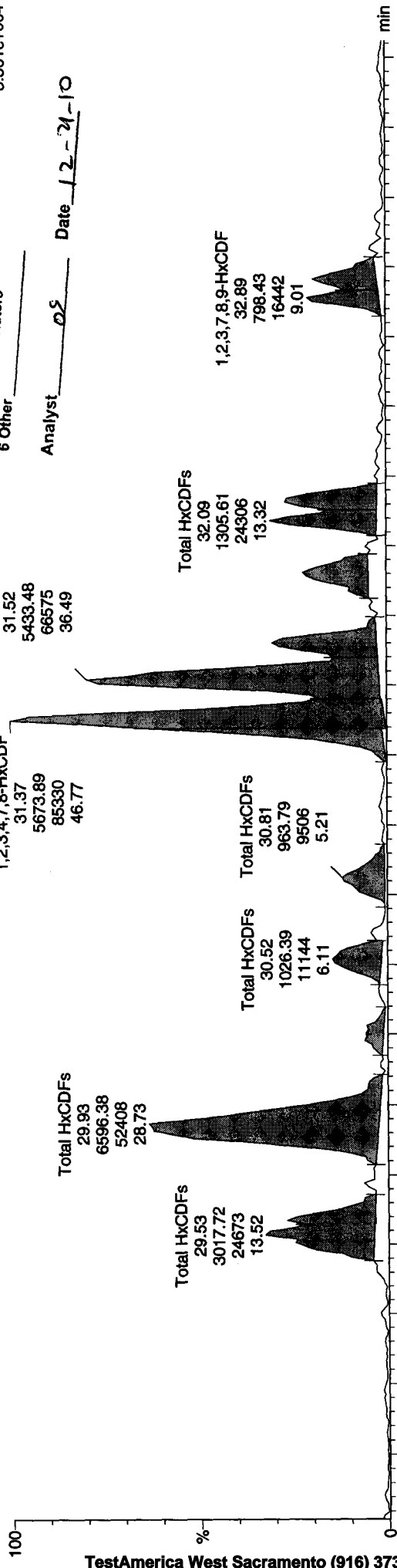
F3: Voltage SIR, EI+
373.8208
8.561e+004

Analyst: DS Date: 12-21-10

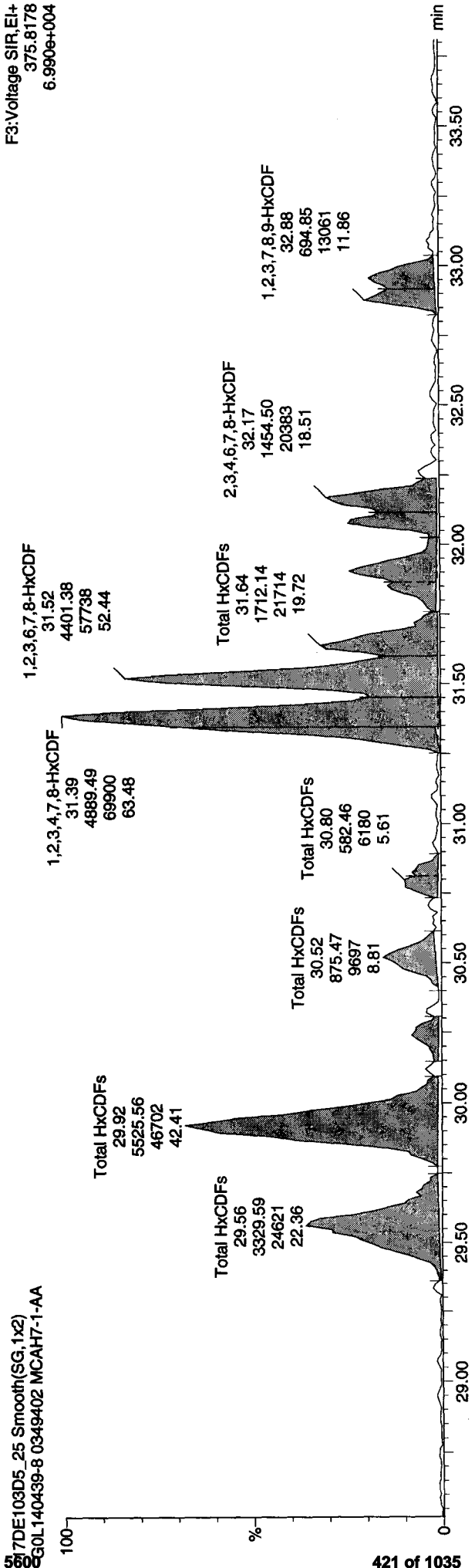
Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Sample Name: 17DE103D5_25

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



F3: Voltage SIR, EI+
375.8178
6.990e+004



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

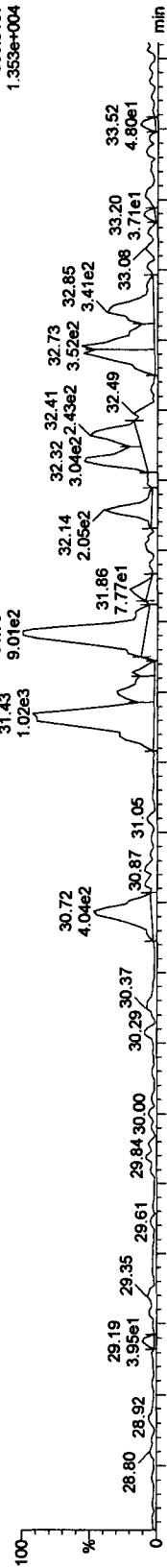
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

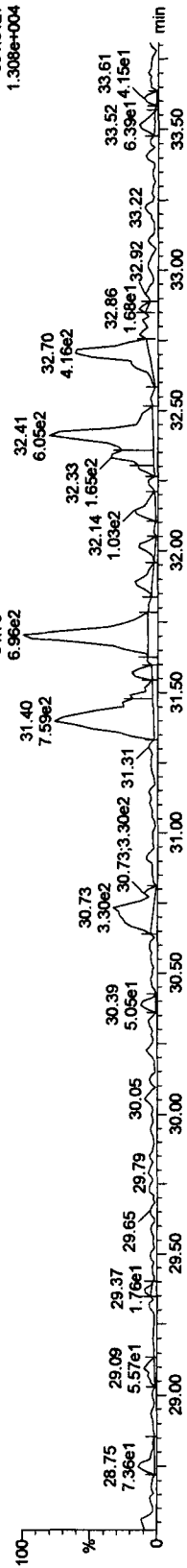
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

HxCDDs

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

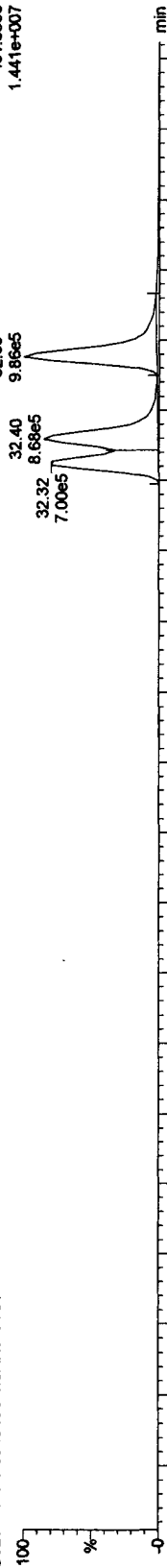


17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

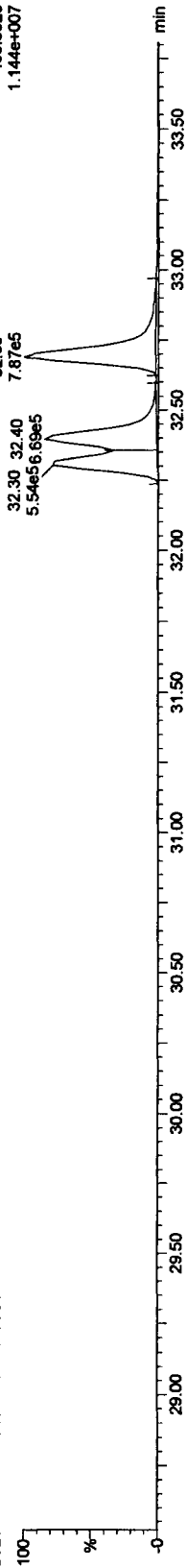


13C-HxCDDs

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

Manual Edit Codes

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

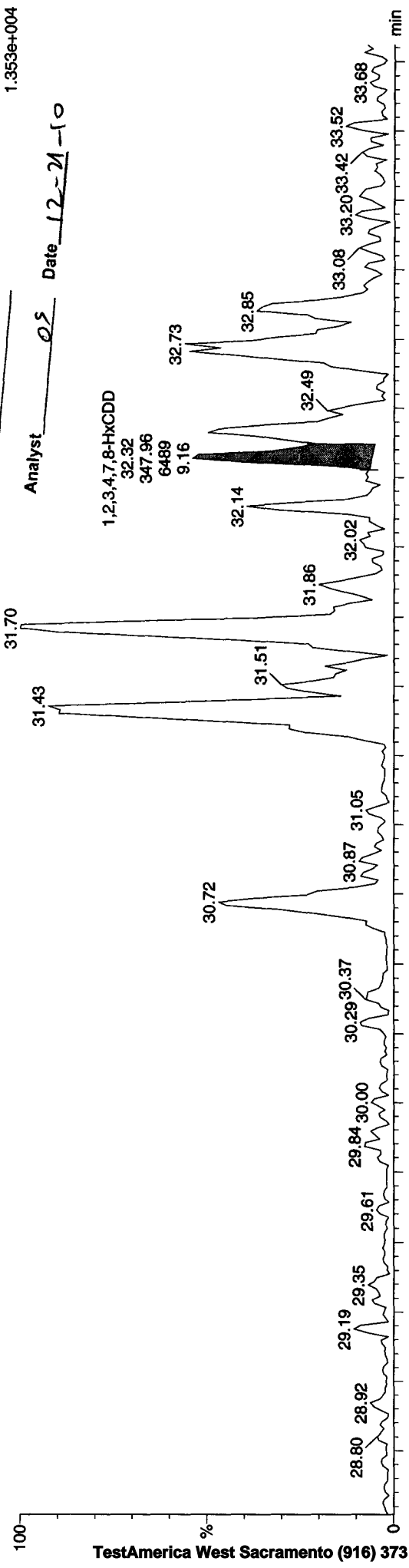
F3: Voltage SIR, EI+
389.8157
1.353e+004

Analyst OS Date 12-21-10

Compound Name: 1,2,3,4,7,8-HxCDD, Chrom. Trace: 389.8157

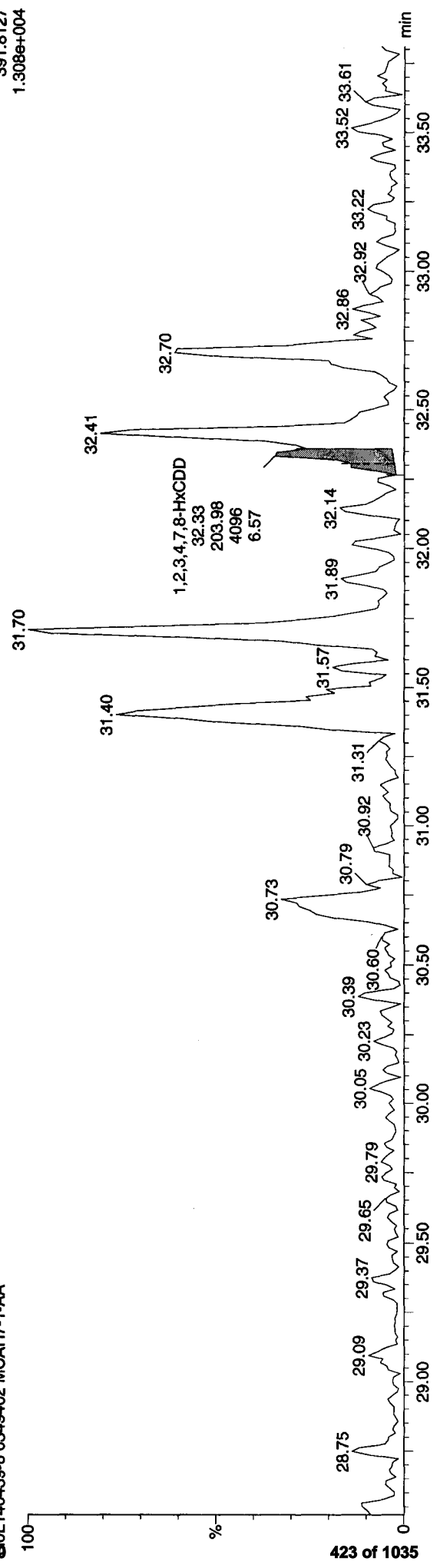
Sample Name: 17DE103D5_25

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

F3: Voltage SIR, EI+
391.8127
1.308e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 17DE103D5_25

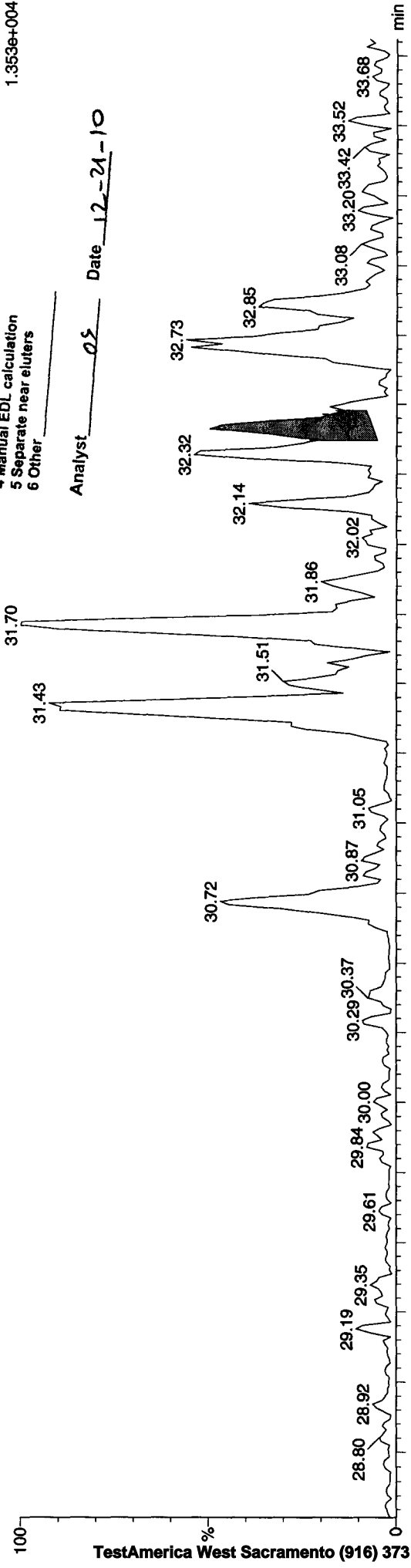
17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

Manual Edit Codes

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

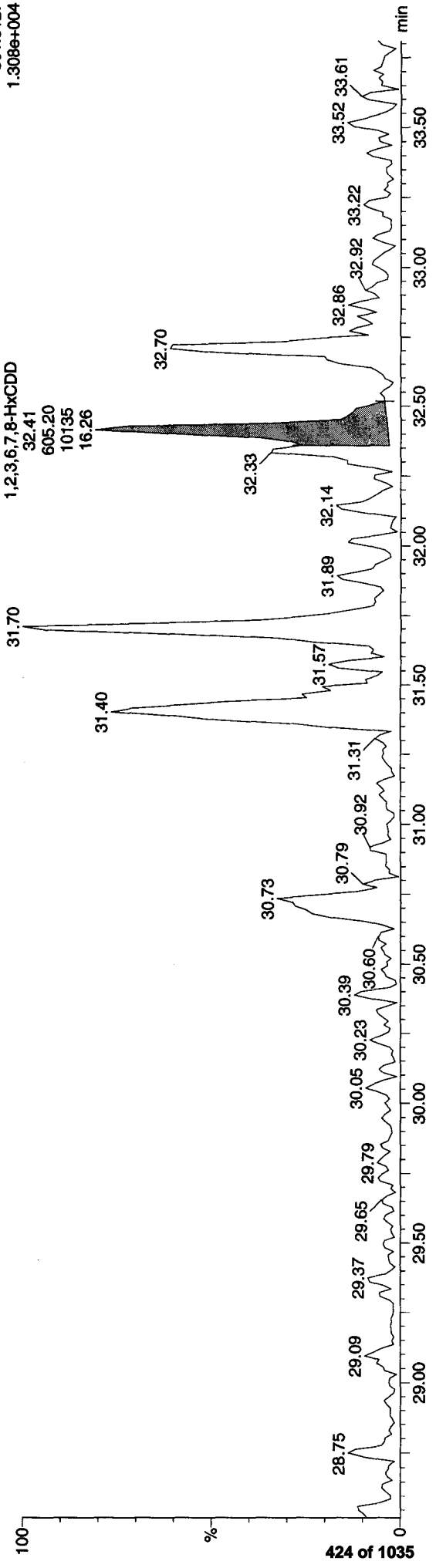
F3: Voltage SIR, EI+
389.8157
1.353e+004

Analyst OS Date 12-21-10



17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

F3: Voltage SIR, EI+
391.8127
1.308e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5\T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:46 Pacific Standard Time

Manual Edit Codes

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

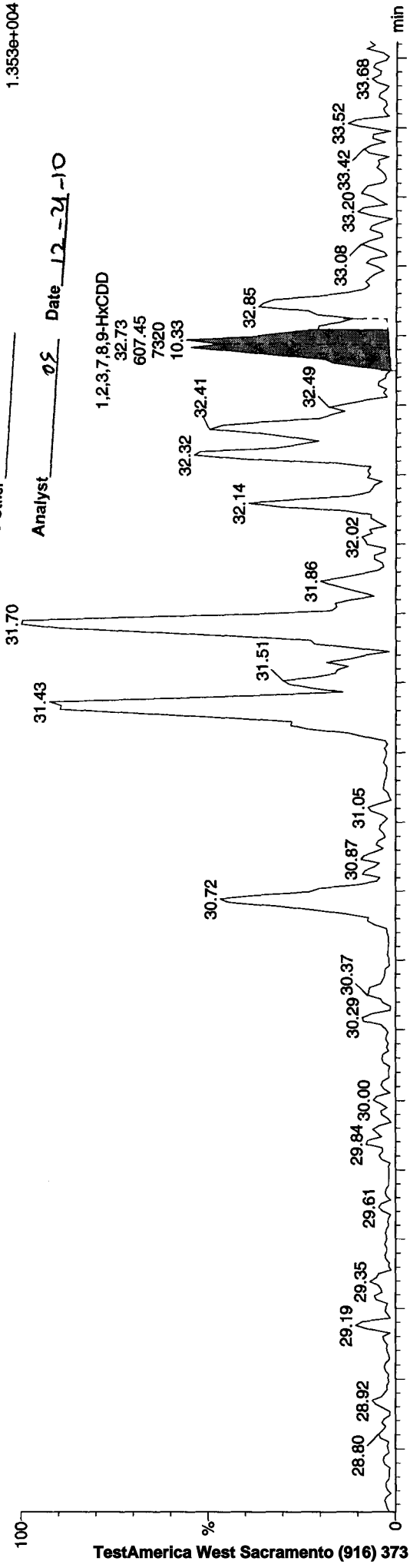
Compound Name: 1,2,3,7,8,9-HxCDD, Chrom. Trace: 389.8157

Sample Name: 17DE103D5_25

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

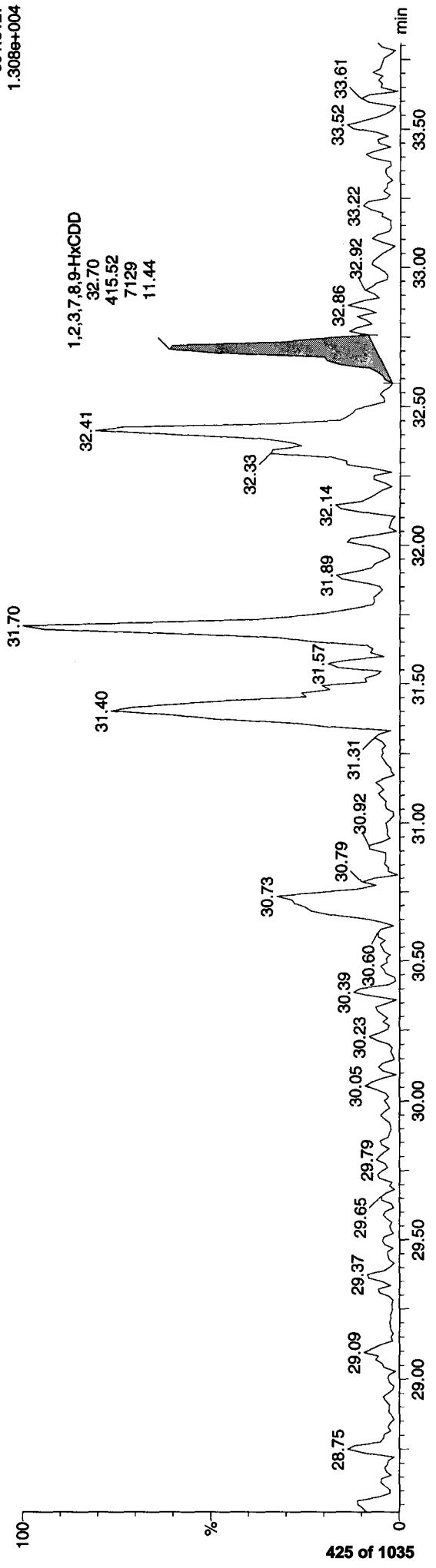
F3: Voltage SIR, EI+
389.8157
1.353e+004

Analyst: OS Date: 12-21-10



17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

F3: Voltage SIR, EI+
391.8127
1.308e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5\T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:04:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:05:55 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\T093D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5\T09.cdb 20 Oct 2010 16:23:11

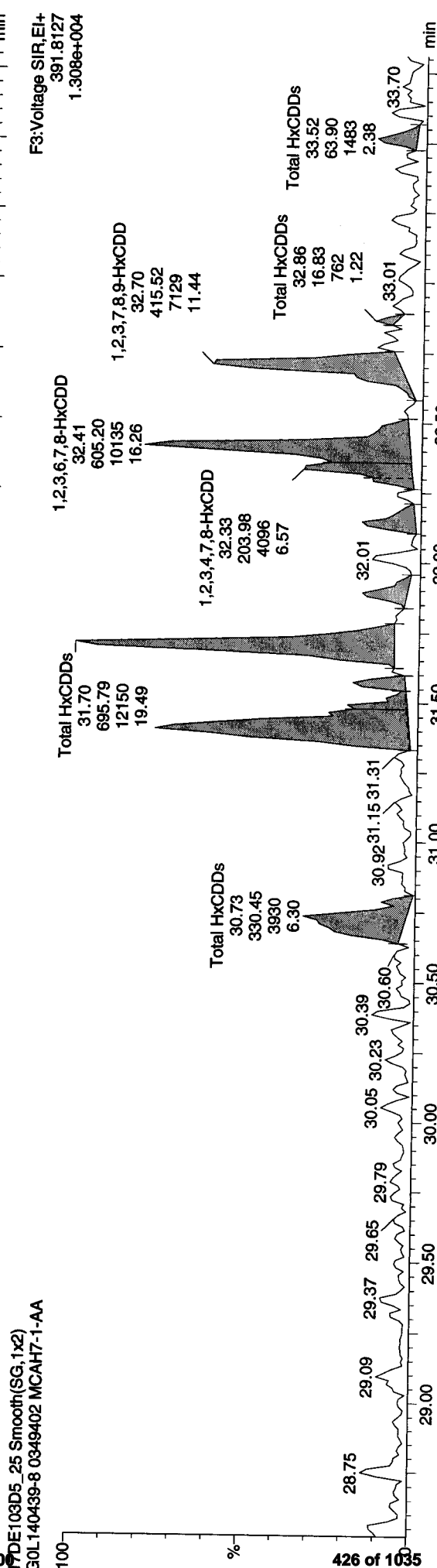
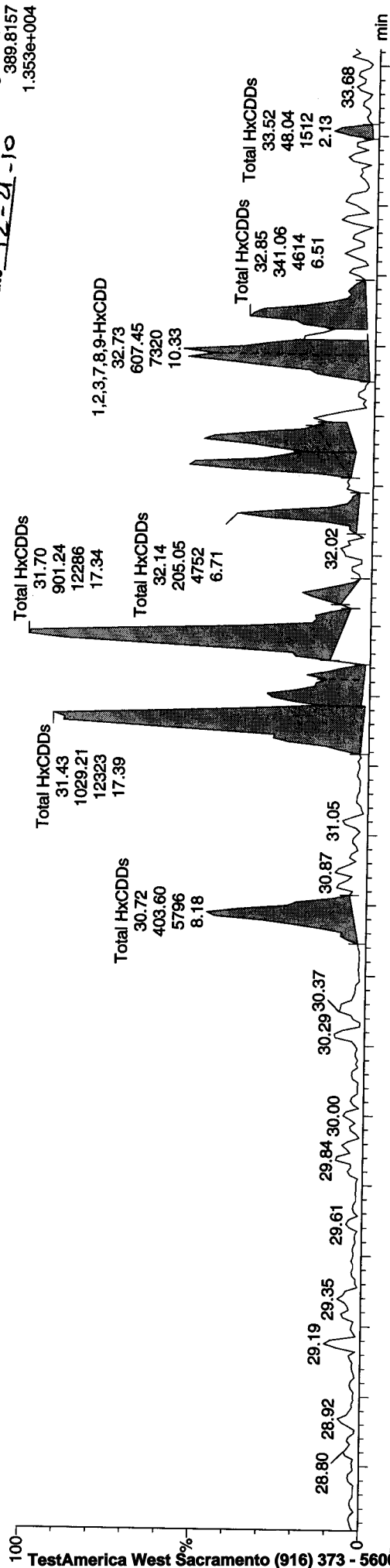
Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 17DE103D5_25
17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

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: 12-21-10 F3: Voltage SIR, EI+ 389.8157
1.353e+004



F3: Voltage SIR, EI+ 391.8127
1.308e+004

Quantify Sample Report MassLynx 4.1

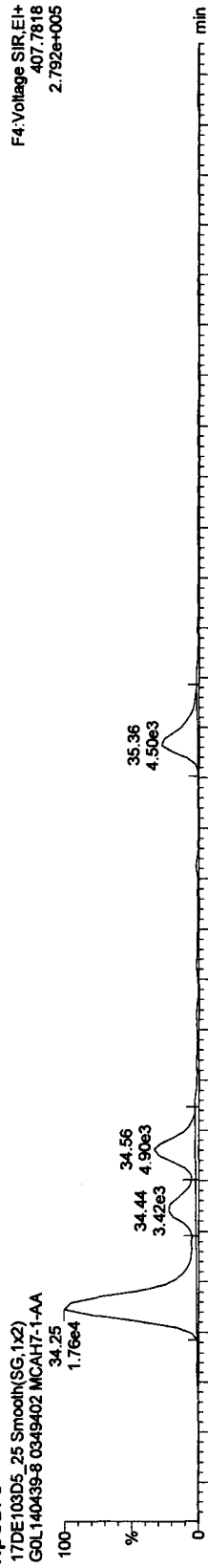
Dataset: C:\MassLynx\JAN2010.PROV\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

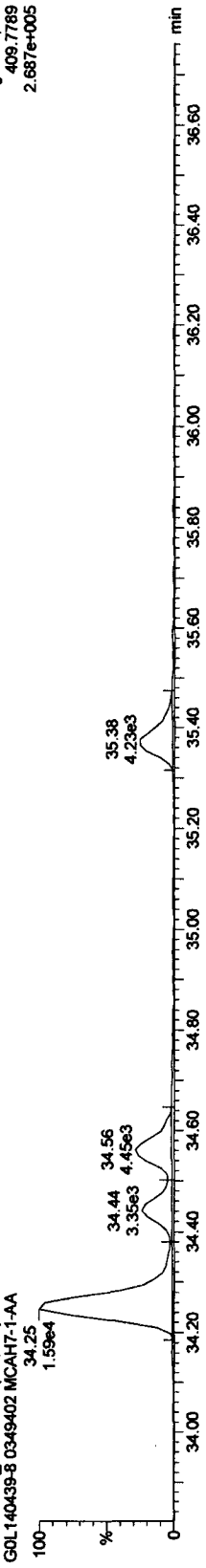
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

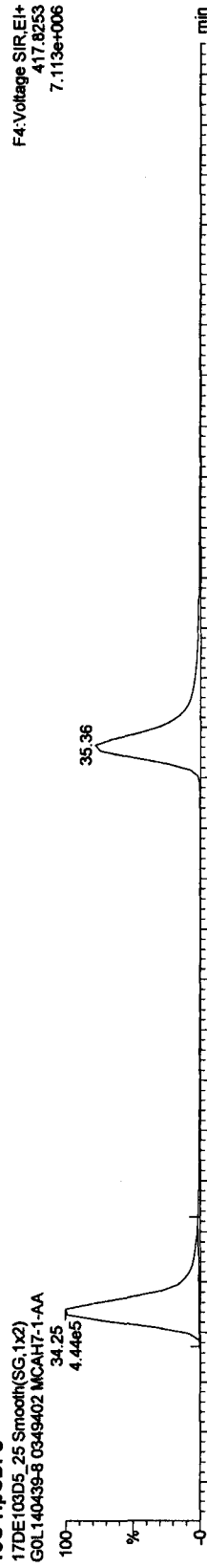
HpCDFs



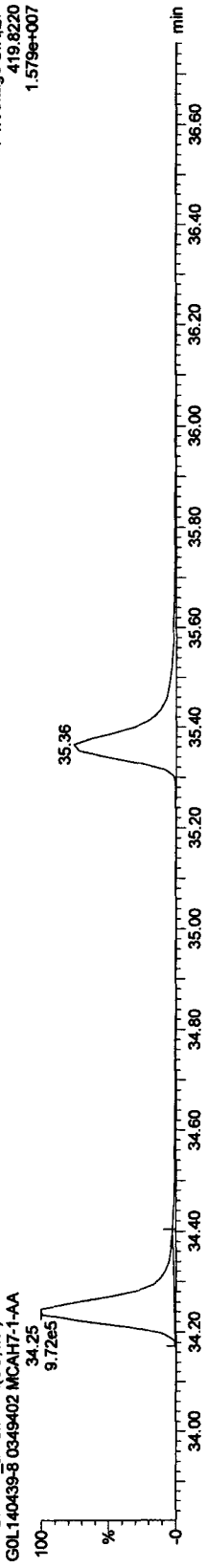
17DE103D5_25 Smooth(SG,1x2)



13C-HpCDFs



17DE103D5_25 Smooth(SG,1x2)



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

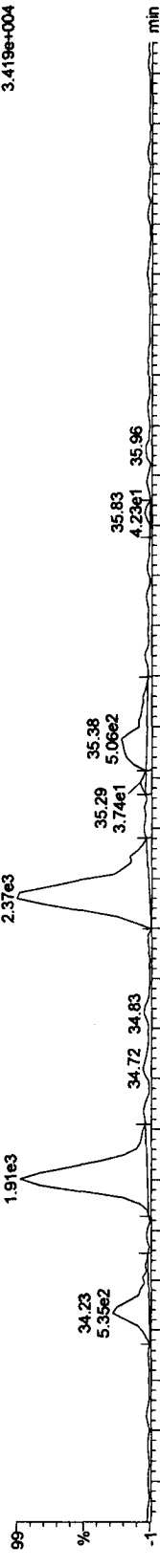
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

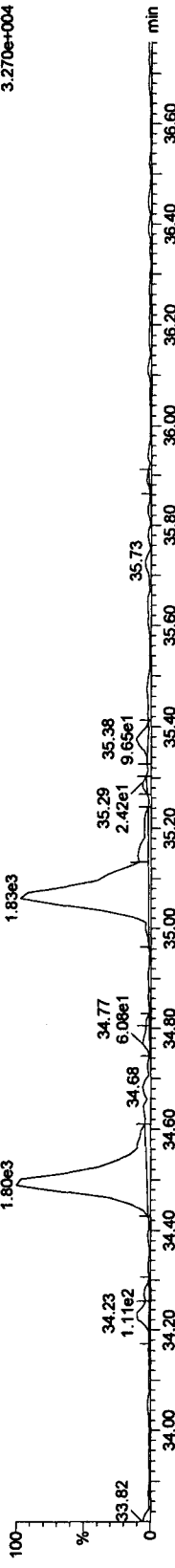
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: G0L140439-8 0349402

HpCDDs

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

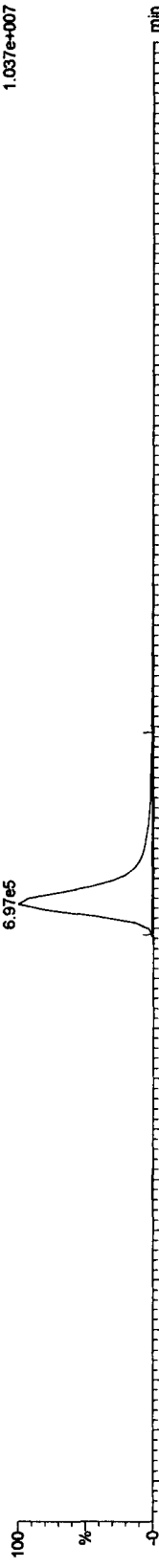


17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

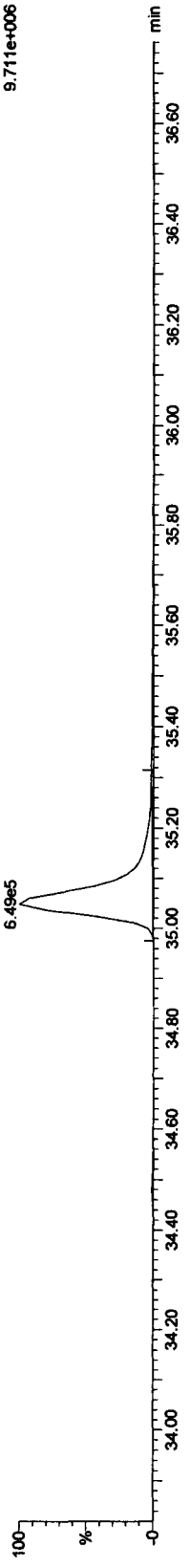


13C-HpCDD

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA



Quantify Sample Report MassLynx 4.1

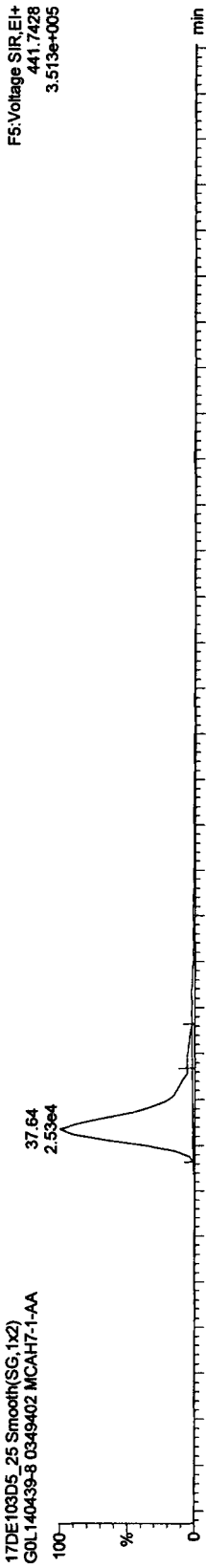
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

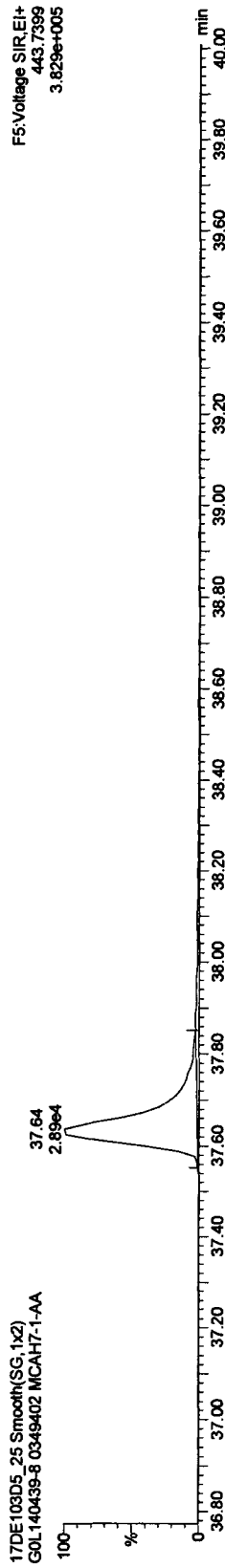
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: G0L140439-8 0349402

OCDFs

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

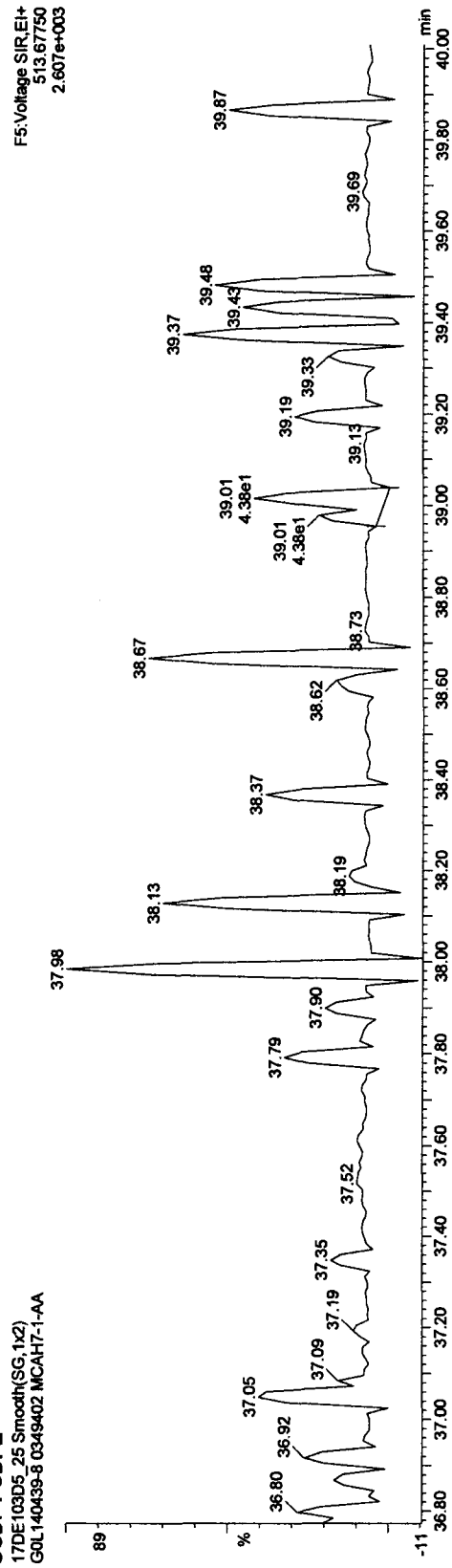


17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA



OCDF PCDPE

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09A.qld

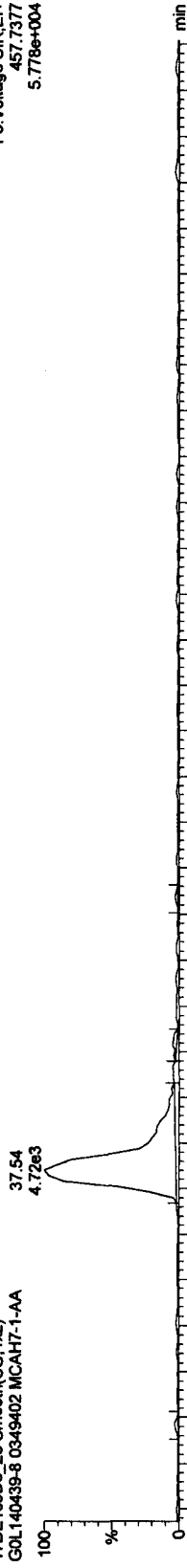
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

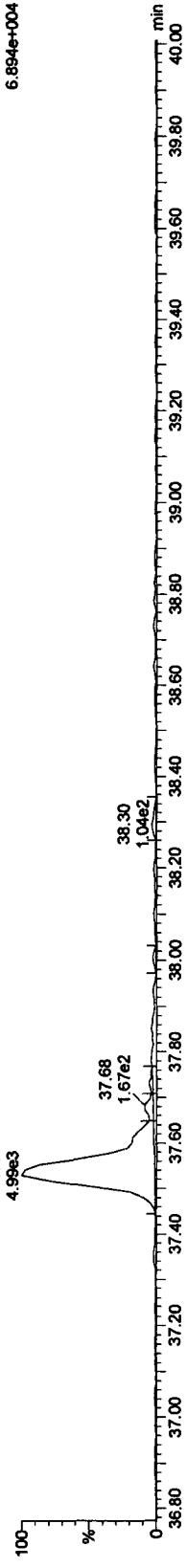
Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

OCDD

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

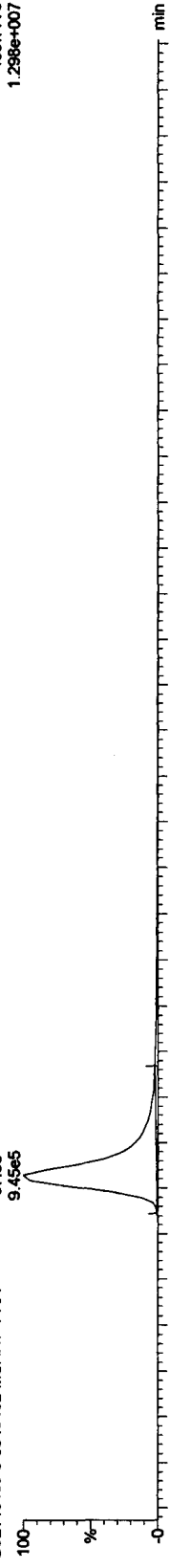


17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA

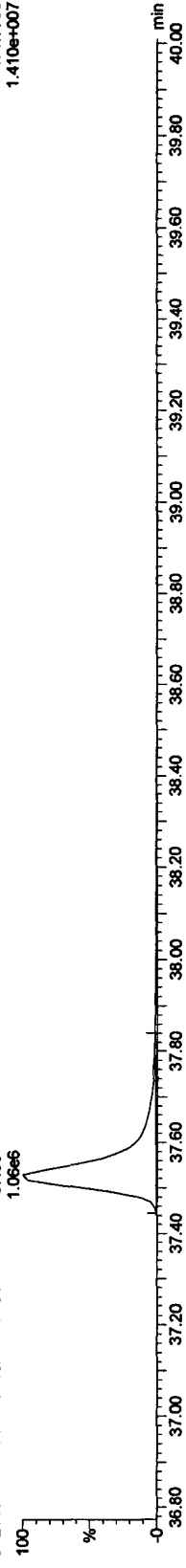


13C-OCDD

17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



17DE103D5_25 Smooth(SG,1x2)
GOL140439-8 0349402 MCAH7-1-AA



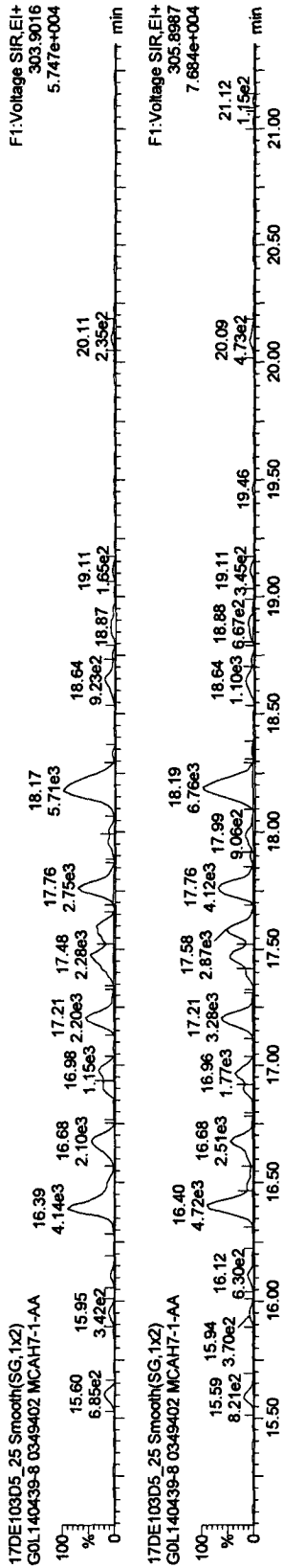
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

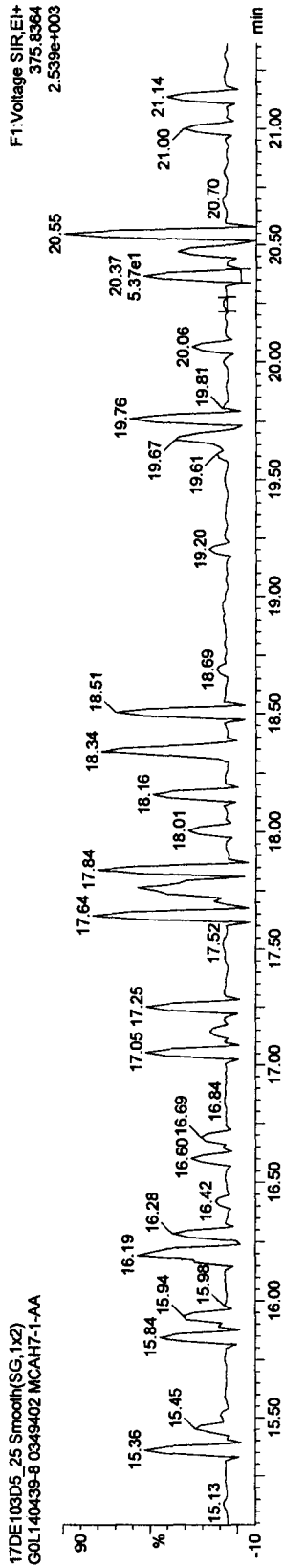
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

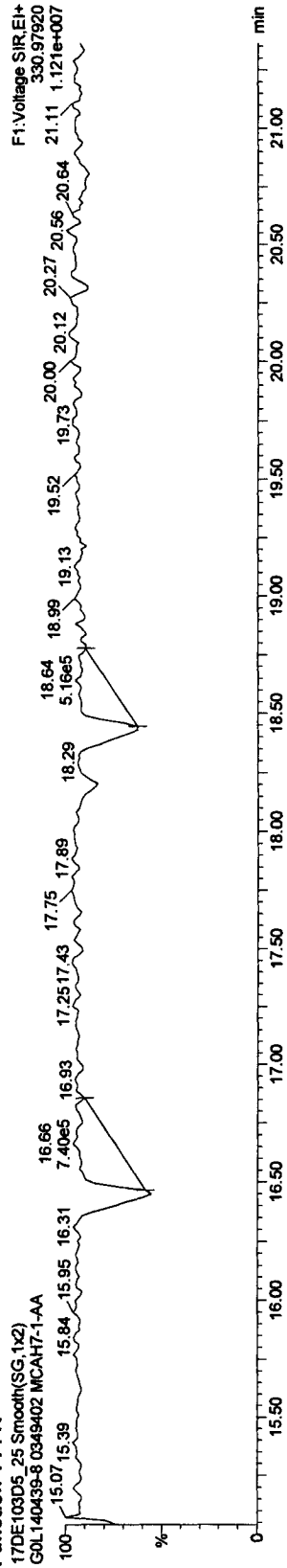
TCDFs



TCDF PCDFE



Function 1 PFK



Quantify Sample Report MassLynx 4.1

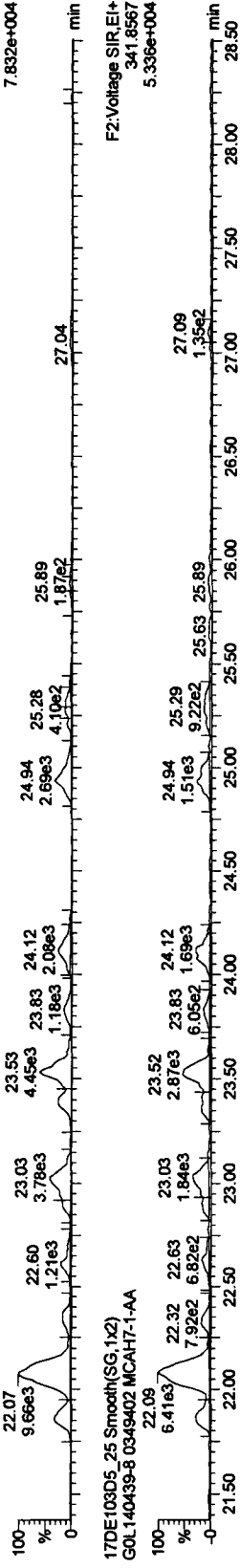
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

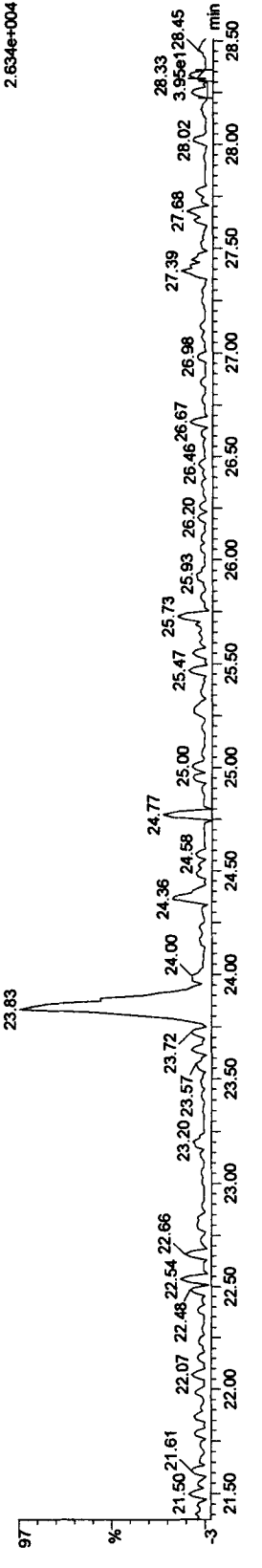
PeCDF

17DE103D5_25 Smooth(SG,1x2)
 GOL140439-8 0349402 MCAH7-1-AA



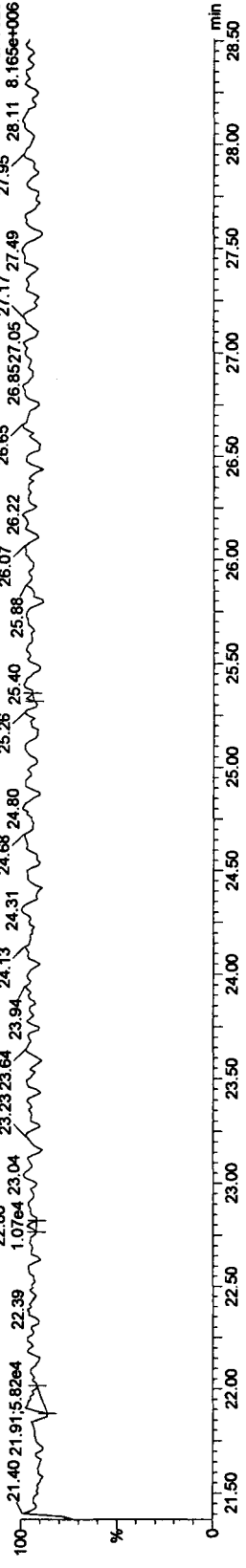
F2 PeCDF PCDPE

17DE103D5_25 Smooth(SG,1x2)
 GOL140439-8 0349402 MCAH7-1-AA



Function 2 PFK

17DE103D5_25 Smooth(SG,1x2)
 GOL140439-8 0349402 MCAH7-1-AA



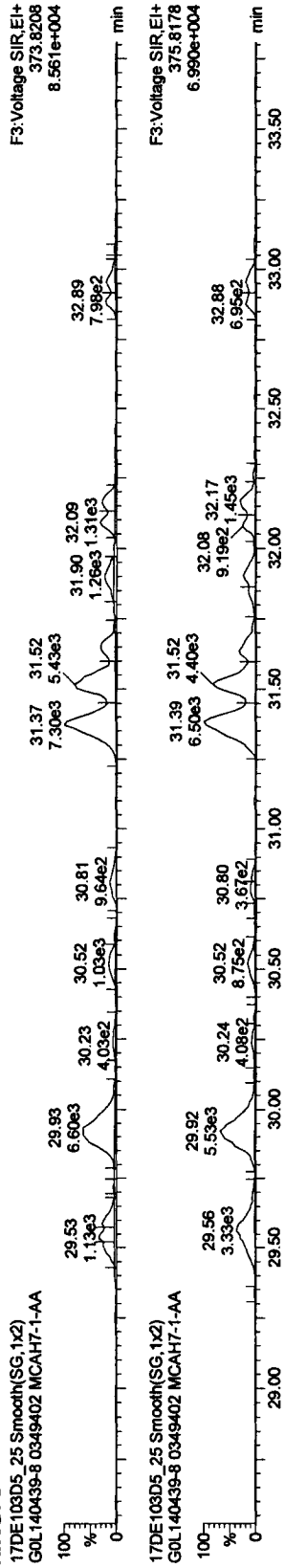
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

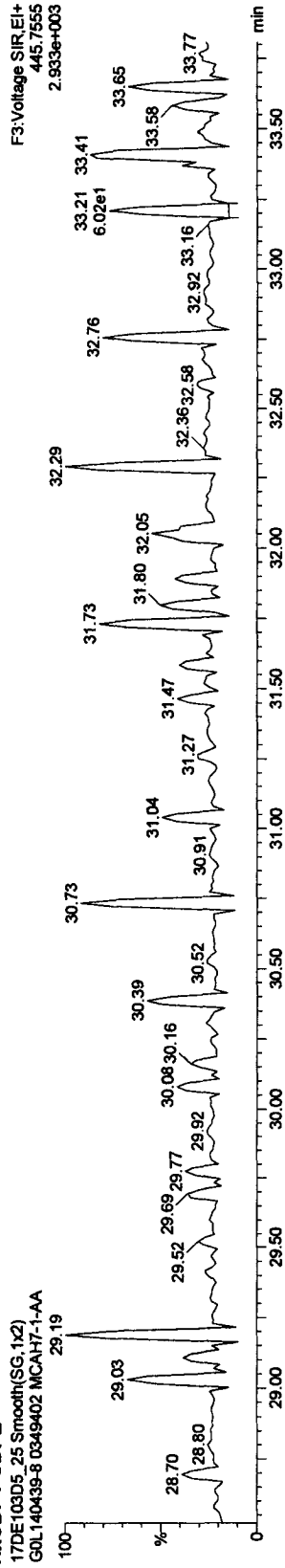
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

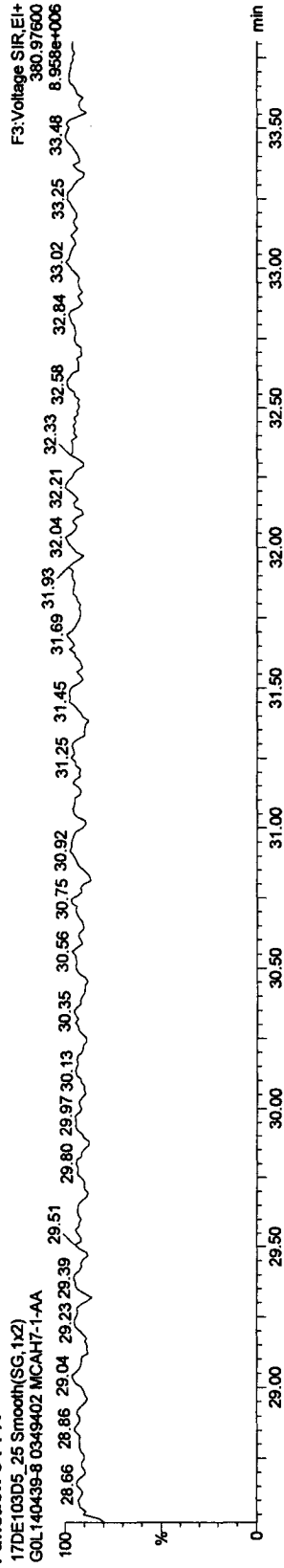
HxCDFs



HxCDF PCDFPE



Function 3 PFK



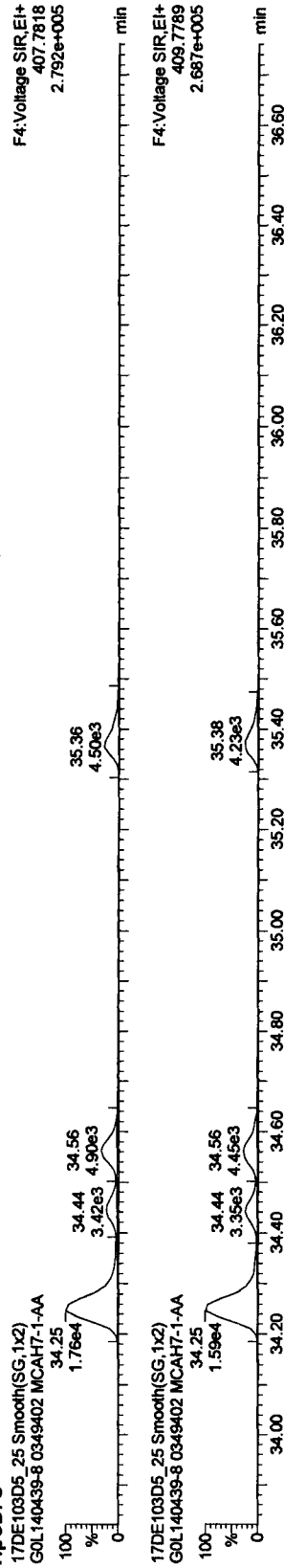
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

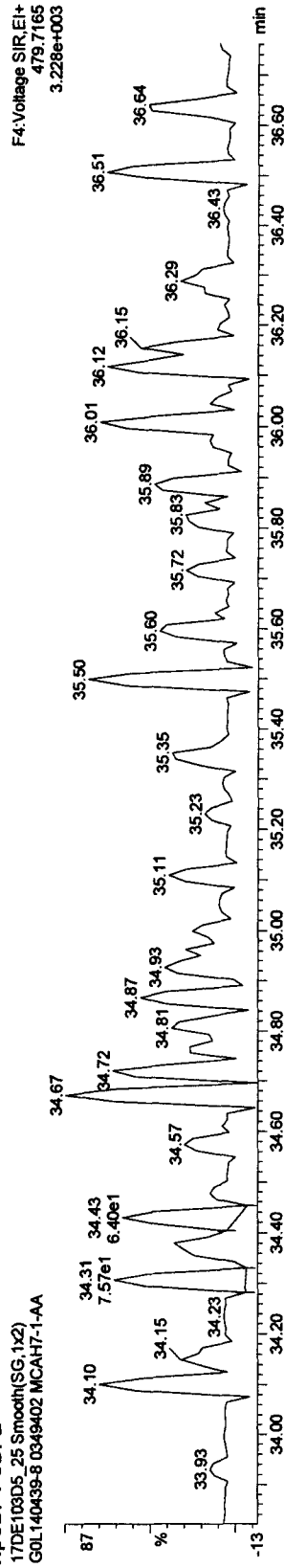
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: GOL140439-8 0349402

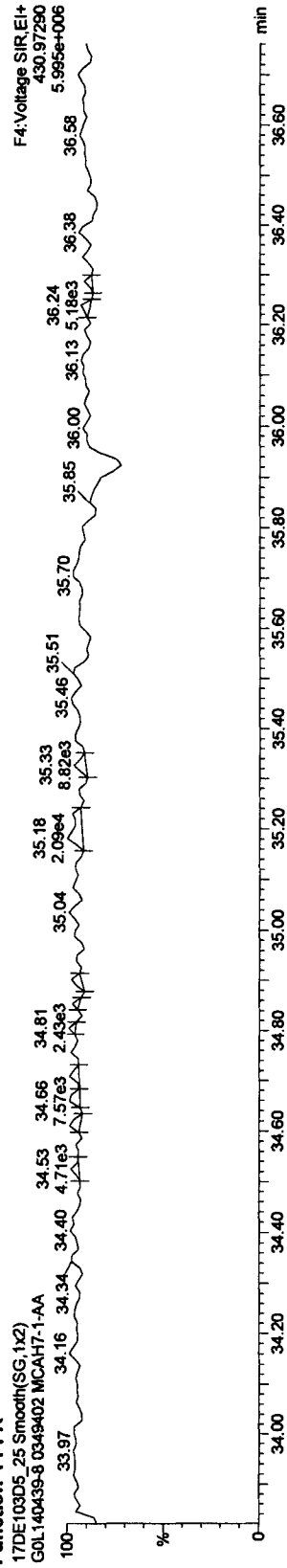
HpCDFs



HpCDF PCDFE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

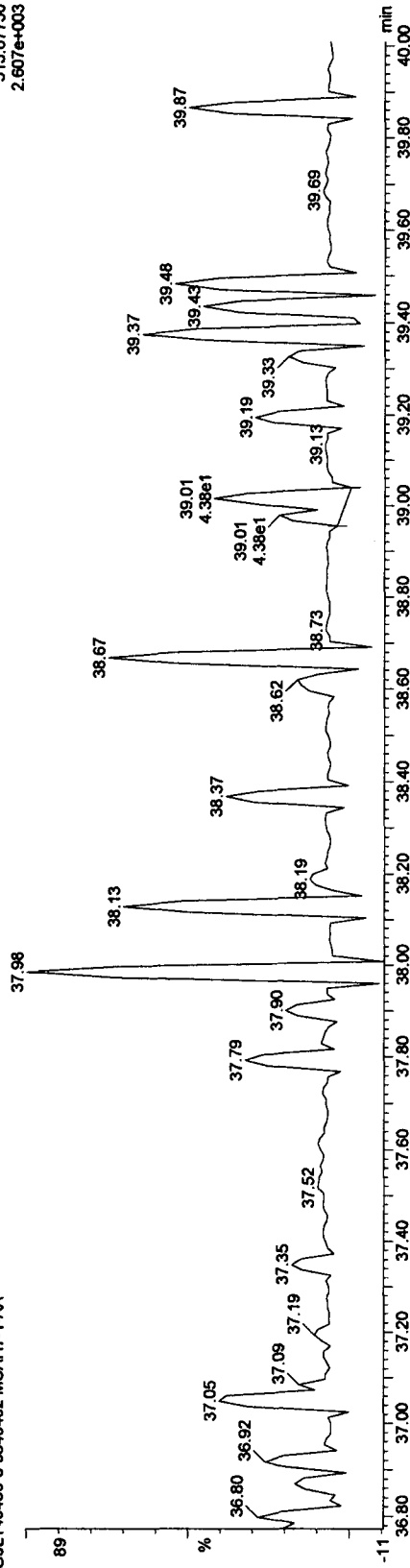
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_25, Date: 18-Dec-2010, Time: 02:04:58, ID: MCAH7-1-AA, Description: G0L140439-8 0349402

OCDF PCDPE

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

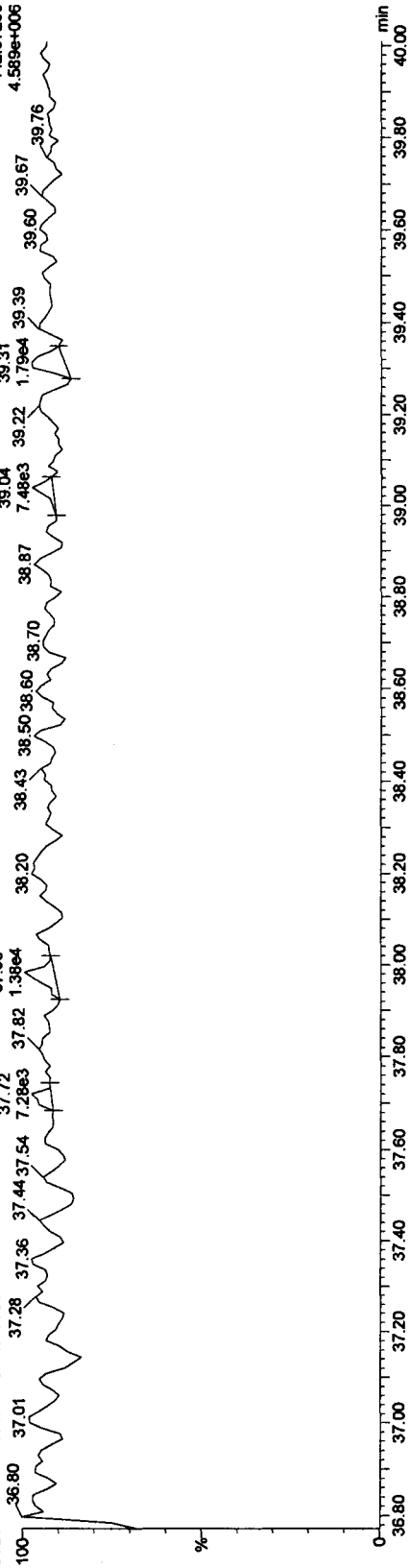
F5:Voltage SIR,EI+
513.67750
2.607e+003



Function 5 PFK

17DE103D5_25 Smooth(SG,1x2)
G0L140439-8 0349402 MCAH7-1-AA

F5:Voltage SIR,EI+
442.97280
4.589e+006



Quantify Sample Summary Report MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:33:39 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 11:37:48 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\Meth\DBIT093D5.mdb 19 Oct 2010 06:41:33
 Calibration: C:\MassLynx\JAN2010.PRO\Curve\BICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

012-2-1-10

# 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	18.69	18.69	1.000	1983601.00	4000.0000	100.0	2.7835	0.769	0.770	0.770		NO		
2																	
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.13	18.17	1.330	2340305.13	3548.5248	88.7	1.8484	0.780	0.770	0.770		NO		
4	2,3,7,8-TCDF	303.9016	0.50000	18.17	18.14	0.972	8884.63	15.6308	45.6888	0.7658	0.677	0.770	0.770		NO		
5	Total TCDFs	303.9016	0.50000	21.44	0.972		94.0159	91.0745		0.7658							
6																	
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.88	18.89	0.890	1518936.44	3441.8476	86.0	3.1278	0.773	0.770	0.770		NO		
8	2,3,7,8-TCDD	319.8965	0.50000	18.91	18.91	1.009			N/A	0.8056			0.770				
9	Total TCDDs	319.8965	0.50000	19.55	1.009		3.6667	3.6667	2.3577	0.8056							
10																	
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.90	18.89	0.649	428846.50	1739.0292	0.0000	108.7	2.0117						
12																	
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.50	23.53	0.971	1903408.00	3954.1366	98.9	4.8706	1.626	1.550	1.550		NO		
14	1,2,3,7,8-PeCDF	339.8597	0.50000	23.52	23.53	1.069	3717.04	7.3064	7.3064	0.8961	1.610	1.550	1.550		NO		
15	2,3,4,7,8-PeCDF	339.8597	0.50000	24.95	24.95	1.028	2198.07	4.4916	3.9486	0.9316	1.901	1.550	1.550		YES		
16	Total F2 PeCDFs	339.8597	0.50000	34.47	1.049		51.3027	51.3027	40.9218	4.2814	0.9135						
17	Total F1 PeCDFs	339.8597	0.50000	36.56	1.049		3.9495	3.9495	3.7999	0.6552							
18							50.9563										
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.71	25.74	0.715	1397957.94	3941.4520	98.5	3.4875	1.578	1.550	1.550		NO		
20	1,2,3,7,8-PeCDD	355.8546	0.50000	25.74	25.74	0.884	119.70	0.3874	0.2611	1.4447	0.694	1.550	1.550		YES		
21	Total PeCDDs	355.8546	0.50000	31.10	0.884		4.3910	4.3910	0.2611	1.4447							
22									1.6332								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.70	32.74	1.000	1521354.44	4000.0000	100.0	4.9688	1.201	1.240	1.240		NO		
24																	
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.37	31.39	1.084	1486325.44	3603.7673	90.1	5.3568	0.525	0.510	0.510		NO		
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.39	31.39	1.219	4649.51	10.2689	10.2689	0.9392	1.345	1.240	1.240		NO		21-Dec-10
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.52	31.53	1.396	4234.44	8.1616	7.4811	0.8197	1.444	1.240	1.240		YES		
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.17	32.17	1.237	1248.99	2.7162	2.7162	0.9248	1.340	1.240	1.240		NO		
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.88	32.87	1.078	498.06	1.2431	0.8284	1.0614	2.363	1.240	1.240		YES		
30	Total HxCDFs	373.8208	0.50000	0.00	1.233		57.7951	57.7951	54.2199	0.9285							

Soil & Tissue Units = pg/g; Water Units = pg/L; Air & Waste Units = pg/Sample

Dataset: \\sacsvr01\Instrument_Data\TG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld 123787 HxCDD

Last Altered: Tuesday, December 21, 2010 11:33:39 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 11:37:48 Pacific Standard Time
 12/21/10
 MC
 $1.0796 \left(\frac{1.028}{1.113} \right) = 0.9972$ R

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402

# Name	Quan Trace	Sample Size	RT	Pred.RT	RIF.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	32.41	0.894	1495421.81	4395.6280	4395.6280	109.9	5.5549	1.301	1.240	NO
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.70	1.028	414.77	1.0796	1.0796	0.6249	0.6249	1.421	1.240	NO
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.77	1.111	118.81	0.2862	0.1995	0.5782	0.5782	2.214	1.240	YES
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.72	1.113		0.1972	N/A	0.5771	0.5771	1.240	1.240	YES
36	Total HxCDDs	389.8157	0.50000	0.00	1.084		8.5815	7.5928	0.5926	0.5926			
37								5.833					
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.25	0.881	1237262.09	3693.2551	3693.2551	92.3	11.5181	0.451	0.440	NO
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.26	1.402	14878.42	34.3170	34.3170	0.8247	0.8247	1.133	1.040	NO
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.38	1.199	3322.64	8.9582	7.9562	0.9640	0.9640	0.827	1.040	YES
41	Total HpCDFs	407.7818	0.50000	0.00	1.300		62.0051	60.3342	0.8889	0.8889			
42													
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.06	0.857	1198783.63	3676.0827	3676.0827	91.9	10.4527	1.094	1.040	NO
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.07	0.981	2431.45	8.2695	8.2695	1.0514	1.0514	1.006	1.040	NO
45	Total HpCDDs	423.7766	0.50000	-0.01	0.981		20.1053	17.6629	1.0514	1.0514			
46								16.2551					
47	13C-OCDD	469.7779	0.50000	37.53	0.643	1789506.00	7315.4248	7315.4248	91.4	9.7603	0.904	0.890	NO
48	OCDF	441.7428	0.50000	37.64	1.477	22338.60	67.6105	67.6105	1.4074	1.4074	0.846	0.890	NO
49	OCDD	457.7377	0.50000	37.54	1.196	5275.98	19.7177	17.2880	1.0562	1.0562	1.156	0.890	YES
50													
51													
52	Function 1 PFK	330.97920	1.00000	0.00	0.00								
53	Function 2 PFK	342.97920	1.00000	0.00	0.00								
54	Function 3 PFK	380.97600	1.00000	0.00	0.00								
55	Function 4 PFK	430.97290	1.00000	0.00	0.00								
56	Function 5 PFK	442.97280	1.00000	0.00	0.00								
57	TCDF PCDFE	375.8364	1.00000	20.20	17.814	65.17	3.6583	365.8	0.7441	0.7441			
58	F1 PeCDF PCDFE	409.79740	1.00000	19.31	97.109				0.0000	0.0000			
59	F2 PeCDF PCDFE	409.7974	1.00000	28.29	51.063				0.0000	0.0000			
60	HxCDF PCDFE	445.7555	1.00000	33.24	21.191	3.44	0.1622	16.2	0.5298	0.5298			
61	HPCDF PCDFE	479.7165	1.00000	34.31	39.173	6.92	0.1768	17.7	1.9859	1.9859			
62	OCDF PCDFE	513.67750	1.00000	39.23	27.302	12.27	0.4493	44.9	0.2051	0.2051			

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Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402

Total TCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	5 Total TCDFs	303.9016	16.39	10679.226	18.7880	18.7880	0.97151	0.7658	0.747	0.770	NO	78.507	
2	5 Total TCDFs	303.9016	16.10	707.287	1.2443	1.1089	0.97151	0.7658	0.986	0.770	YES	5.860	
3	5 Total TCDFs	303.9016	15.94	779.689	1.3717	1.3717	0.97151	0.7658	0.800	0.770	NO	6.874	
4	5 Total TCDFs	303.9016	15.59	1899.292	3.3414	3.3414	0.97151	0.7658	0.825	0.770	NO	19.091	
5	5 Total TCDFs	303.9016	18.61	1285.535	2.2616	2.2616	0.97151	0.7658	0.720	0.770	NO	8.016	
6	4 2,3,7,8-TCDF	303.9016	18.17	8884.632	15.6308	15.6308	0.97151	0.7658	0.677	0.770	NO	60.385	
7	5 Total TCDFs	303.9016	17.75	6011.730	10.5765	9.7476	0.97151	0.7658	0.920	0.770	YES	48.950	
8	5 Total TCDFs	303.9016	17.58	3714.952	6.5357	6.5357	0.97151	0.7658	0.703	0.770	NO	32.960	
9	5 Total TCDFs	303.9016	17.45	5794.071	10.1935	10.1935	0.97151	0.7658	0.702	0.770	NO	41.087	
10	5 Total TCDFs	303.9016	17.19	5013.464	8.8202	8.8202	0.97151	0.7658	0.719	0.770	NO	39.895	
11	5 Total TCDFs	303.9016	16.90	3946.407	6.9429	5.7242	0.97151	0.7658	0.559	0.770	YES	21.845	
12	5 Total TCDFs	303.9016	16.63	4722.915	8.3090	7.5507	0.97151	0.7658	0.948	0.770	YES	27.651	

Total TCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	9 Total TCDDs	319.8965	16.84	903.908	2.3597	2.3597	1.00877	0.8056	0.863	0.770	NO	13.320	
2	9 Total TCDDs	319.8965	16.54	500.677	1.3070	1.0261	1.00877	0.8056	1.255	0.770	YES	6.214	

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	25.35	647.617	1.2977	0.7342	1.04877	0.9135	0.507	1.550	YES	4.399	
2	1. 2,3,4,7,8-PeCDF	339.8597	24.95	2198.071	4.4916	3.9486	1.02843	0.9316	1.901	1.550	YES	7.302	
3	1. Total F2 PeCD...	339.8597	24.09	1738.287	3.4831	3.4831	1.04877	0.9135	1.596	1.550	NO	10.327	
4	1. Total F2 PeCD...	339.8597	23.85	531.529	1.0651	0.5981	1.04877	0.9135	0.541	1.550	YES	4.520	
5	1. 1,2,3,7,8-PeCDF	339.8597	23.52	3717.038	7.3064	7.3064	1.06912	0.8961	1.610	1.550	NO	18.850	
6	1. Total F2 PeCD...	339.8597	23.40	1326.783	2.6586	2.3578	1.04877	0.9135	1.169	1.550	YES	8.273	
7	1. Total F2 PeCD...	339.8597	23.03	3910.689	7.8361	7.8361	1.04877	0.9135	1.354	1.550	NO	14.770	
8	1. Total F2 PeCD...	339.8597	22.60	595.252	1.1927	1.0677	1.04877	0.9135	1.194	1.550	YES	4.927	
9	1. Total F2 PeCD...	339.8597	22.33	344.193	0.6897	0.6084	1.04877	0.9135	4.708	1.550	YES	2.847	
10	1. Total F2 PeCD...	339.8597	22.09	9099.798	18.2339	18.2339	1.04877	0.9135	1.493	1.550	NO	42.466	
11	1. Total F2 PeCD...	339.8597	21.84	1521.130	3.0480	3.0480	1.04877	0.9135	1.517	1.550	NO	9.027	

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	20.74	137.046	0.2746	0.1181	1.04877	0.6552	0.354	1.550	YES	3.190	
2	1. Total F1 PeCD...	339.8597	20.41	1833.971	3.6749	3.6749	1.04877	0.6552	1.610	1.550	NO	10.489	

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Total PeCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Fa...	Ratio...	S/N
1	2. Total PeCDDs	355.8546	23.53	313.905	1.0160	0.4286	0.88408	0.88408	1.4447	5.044	1.550	YES	3.109
2	2. Total PeCDDs	355.8546	23.04	139.262	0.4507	0.2737	0.88408	0.88408	1.4447	0.585	1.550	YES	2.005
3	2. Total PeCDDs	355.8546	22.26	520.067	1.6832	1.6832	0.88408	0.88408	1.4447	1.639	1.550	NO	6.276
4	2. Total PeCDDs	355.8546	25.81	127.262	0.4119	0.2547	0.88408	0.88408	1.4447	3.123	1.550	YES	1.828
5	2. 1,2,3,7,8-PeC...	355.8546	25.74	119.699	0.3874	0.2611	0.88408	0.88408	1.4447	0.694	1.550	YES	3.448
6	2. Total PeCDDs	355.8546	25.70	136.535	0.4419	0.3675	0.88408	0.88408	1.4447	2.066	1.550	YES	2.807

Total HxCDFs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Fa...	Ratio...	S/N
1	3. Total HxCDFs	373.8208	31.65	1008.347	2.2015	1.8220	1.23262	1.23262	0.9285	1.707	1.240	YES	7.152
2	2. 1,2,3,6,7,8-Hx...	373.8208	31.52	4234.441	8.1616	7.4811	1.39626	1.39626	0.8197	1.444	1.240	YES	28.237
3	2. 1,2,3,4,7,8-Hx...	373.8208	31.39	4649.507	10.2689	10.2689	1.21851	1.21851	0.9392	1.345	1.240	NO	39.367
4	3. Total HxCDFs	373.8208	30.83	1091.963	2.3841	2.0834	1.23262	1.23262	0.9285	0.937	1.240	YES	6.559
5	3. Total HxCDFs	373.8208	30.52	835.397	1.8239	1.8239	1.23262	1.23262	0.9285	1.222	1.240	NO	3.944
6	3. Total HxCDFs	373.8208	29.95	5543.108	12.1024	12.1024	1.23262	1.23262	0.9285	1.407	1.240	NO	22.592
7	3. Total HxCDFs	373.8208	29.57	3116.604	6.8045	5.5824	1.23262	1.23262	0.9285	1.730	1.240	YES	10.326
8	3. Total HxCDFs	373.8208	32.97	547.401	1.1951	0.6179	1.23262	1.23262	0.9285	3.333	1.240	YES	4.796
9	2. 1,2,3,7,8,9-Hx...	373.8208	32.88	498.060	1.2431	0.8281	1.07822	1.07822	1.0614	2.363	1.240	YES	3.591
10	2. 2,3,4,6,7,8-Hx...	373.8208	32.17	1248.986	2.7162	2.7162	1.23749	1.23749	0.9248	1.340	1.240	NO	9.742
11	3. Total HxCDFs	373.8208	32.09	1081.719	2.3617	2.3617	1.23262	1.23262	0.9285	1.215	1.240	NO	9.027
12	3. Total HxCDFs	373.8208	31.90	1445.127	3.1552	3.1552	1.23262	1.23262	0.9285	1.188	1.240	NO	6.813
13	3. Total HxCDFs	373.8208	31.36	1546.637	3.3768	3.3768	1.23262	1.23262	0.9285	1.166	1.240	NO	20.526

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Fa...	Ratio...	S/N
1													

Total HxCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Fa...	Ratio...	S/N
1	3. Total HxCDDs	389.8157	31.44	856.637	2.1145	1.8462	1.08365	1.08365	0.5926	1.566	1.240	YES	12.630
2	3. Total HxCDDs	389.8157	30.72	682.733	1.6852	1.6852	1.08365	1.08365	0.5926	1.375	1.240	NO	9.228
3	3. 1,2,3,6,7,8-Hx...	389.8157	32.77	118.806	0.2862	0.1995	1.11052	1.11052	0.5782	2.214	1.240	YES	2.163
4	3. 1,2,3,4,7,8-Hx...	389.8157	32.70	414.772	1.0796	1.0796	1.02768	1.02768	0.6249	1.421	1.240	NO	8.308
5	3. Total HxCDDs	389.8157	31.69	1032.794	2.5493	2.3016	1.08365	1.08365	0.5926	0.999	1.240	YES	15.073
6	3. Total HxCDDs	389.8157	31.51	351.154	0.8668	0.4808	1.08365	1.08365	0.5926	3.000	1.240	YES	4.476

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Fa...	Ratio...	S/N
1													

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Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402

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	35.38	3322.640	8.9582	7.9562	1.19912	0.9640	0.827	1.040	YES	23.734	
2	4. Total HpCDFs	407.7818	34.56	4541.345	11.2904	11.2904	1.30039	0.8889	0.886	1.040	NO	33.112	
3	4. Total HpCDFs	407.7818	34.44	2992.420	7.4395	6.7706	1.30039	0.8889	0.865	1.040	YES	23.822	
4	3. 1,2,3,4,6,7,8-H...	407.7818	34.26	14878.416	34.3170	34.3170	1.40167	0.8247	1.133	1.040	NO	104.246	

Total HpCDDs

#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF	Mean	EDL	Ratio	Prd.Ra...	Ratio...	S/N
1	4. Total HpCDDs	423.7766	35.38	444.728	1.5125	0.7921	0.98108	1.0514	2.895	1.040	YES	4.285	
2	4. 1,2,3,4,6,7,8-H...	423.7766	35.07	2431.452	8.2695	8.2695	0.98108	1.0514	1.006	1.040	NO	28.961	
3	4. Total HpCDDs	423.7766	34.50	2605.370	8.8610	7.9856	0.98108	1.0514	0.850	1.040	YES	45.914	
4	4. Total HpCDDs	423.7766	34.25	429.951	1.4623	0.7557	0.98108	1.0514	2.947	1.040	YES	3.875	

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Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402, Task:

# Name	Trace	Sample Size	RT	Prod 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	18.69	18.69	1.00000	1983601.00	4000.0000	4000.0000	100.0	2.78350	0.77	NO	
2													
3 13C-2,3,7,8-TCDF	315.9419	0.500	18.13	18.17	1.32993	2340305.13	3548.5248	3548.5248	88.7	1.84844	0.78	NO	
4 2,3,7,8-TCDF	303.9016	0.500	18.17	18.14	0.97151	8884.63	15.6308	15.6308		0.76577	0.68	NO	
5 Total TCDFs	303.9016	0.500	21.44	0.97151			93.4975	89.7214		0.76577			
13C-2,3,7,8-TCDD	331.9368	0.500	18.88	18.89	0.88993	1518936.44	3441.8476	3441.8476	86.0	3.12779	0.77	NO	
2,3,7,8-TCDD	319.8965	0.500	18.91	1.00877						0.80558		NO	
Total TCDDs	319.8965	0.500	19.55	1.00877			3.6667	3.3857		0.80558			
1 37CL-2,3,7,8-TCDD	327.8847	0.500	18.90	18.89	0.64940	428846.50	1739.0292	0.0000	108.7	2.01168			
1 13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.53	0.97070	1903408.00	3954.1366	3954.1366	98.9	4.87060	1.63	NO	
1 1,2,3,7,8-PeCDF	339.8597	0.500	23.52	23.53	1.06912	3717.04	7.3064	7.3064		0.89613	1.61	NO	
1 2,3,4,7,8-PeCDF	339.8597	0.500	24.95	24.95	1.02843	2198.07	4.4916	3.9486		0.93159	1.90	YES	
1 Total F2 PeCDFs	339.8597	0.500	34.47	1.04877			49.7211	45.5394		0.91351			
1 Total F1 PeCDFs	339.8597	0.500	36.56	1.04877			3.5006	2.5647		0.65521			
1 13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.71	25.74	0.71523	1397957.94	3941.4520	3941.4520	98.5	3.48755	1.58	NO	
20 1,2,3,7,8-PeCDD	355.8546	0.500	25.74	25.74	0.88408	119.70	0.3874	0.2611		1.44471	0.69	YES	
21 Total PeCDDs	355.8546	0.500	31.10	0.88408			4.3910	3.2689		1.44471			
22													
23 13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.70	32.74	1.00000	1521354.44	4000.0000	4000.0000	100.0	4.96878	1.20	NO	
24													
25 13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.37	31.39	1.08439	1486325.44	3603.7673	3603.7673	90.1	5.35682	0.53	NO	
26 1,2,3,4,7,8-HxCDF	373.8208	0.500	31.39	31.39	1.21851	6205.49	13.7054	13.7054		0.93924	1.29	NO	
27 1,2,3,6,7,8-HxCDF	373.8208	0.500	31.52	31.53	1.39626	4234.44	8.1616	7.4811		0.81967	1.44	YES	
28 2,3,4,6,7,8-HxCDF	373.8208	0.500	32.17	32.17	1.23749	1248.99	2.7162	2.7162		0.92483	1.34	NO	
29 1,2,3,7,8,9-HxCDF	373.8208	0.500	32.88	32.87	1.07822	498.06	1.2431	0.8281		1.06144	2.36	YES	
30 Total HxCDFs	373.8208	0.500	0.00	1.23262			52.6657	46.4679		0.92848			
31													
32 13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.41	32.41	0.89448	1495421.81	4395.6280	4395.6280	109.9	5.55491	1.30	NO	
33 1,2,3,4,7,8-HxCDD	389.8157	0.500	32.70	32.34	1.02768	414.77	1.0796	1.0796		0.62485	1.42	NO	
34 1,2,3,6,7,8-HxCDD	389.8157	0.500	32.77	32.42	1.11052	118.81	0.2862	0.1995		0.57824	2.21	YES	
35 1,2,3,7,8,9-HxCDD	389.8157	0.500	32.72	1.11276						0.57707		NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:33:02 Pacific Standard Time

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402, Task:

Name	Trace	Sample Size	RT	Pd/RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio F1	Mod Date
36 Total HxCDDs	389.8157	0.500		0.00	1.06365			6.5322	4.7816		0.59257			
37														
38 13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.25	34.23	0.88081	1237262.09	3693.2551	3693.2551	92.3	11.51812	0.45	NO		
39 1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.26	34.26	1.40167	14878.42	34.3170	34.3170		0.82467	1.13	NO		
40 1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.38	35.36	1.19912	3322.64	8.9582	7.9562		0.96397	0.83	YES		
41 Total HpCDFs	407.7818	0.500		0.00	1.30039		62.0051	60.3342		0.88889				
42														
43 13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.06	35.03	0.85740	1198783.63	3676.0827	3676.0827	91.9	10.45268	1.09	NO		
44 1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.07	35.07	0.98108	2431.45	8.2695	8.2695		1.05135	1.01	NO		
45 Total HpCDDs	423.7766	0.500		-0.01	0.98108		20.1053	17.8029		1.05135				
46														
47 13C-OCDD	469.7779	0.500	37.53	37.47	0.64317	1789506.00	7315.4248	7315.4248	91.4	9.76027	0.90	NO		
48 OCDF	441.7428	0.500	37.64	37.64	1.47706	22338.60	67.6105	67.6105		1.40739	0.85	NO		
49 OCDD	457.7377	0.500	37.54	37.54	1.19620	5275.98	19.7177	17.2880		1.05616	1.16	YES		
50														
51														
52 Function 1 PFK	330.97920	1.000		0.00										
53 Function 2 PFK	342.97920	1.000		0.00										
54 Function 3 PFK	380.97600	1.000		0.00										
55 Function 4 PFK	430.97290	1.000		0.00										
56 Function 5 PFK	442.97280	1.000		0.00										
57 TCDF PCDFE	375.8364	1.000	20.20	20.25	17.814...	65.17	3.6583		365.8	0.74407				
58 F1 PeCDF PCDFE	409.79740	1.000		19.31	97.109...					0.00000				
59 F2 PeCDF PCDFE	409.7974	1.000		28.29	51.062...					0.00000				
60 HxCDF PCDFE	445.7555	1.000	33.24	33.24	21.190...	3.44	0.1622		16.2	0.52977				
61 HPCDF PCDFE	479.7165	1.000	34.31	34.27	39.173...	6.92	0.1768		17.7	1.98586				
62 OCDF PCDFE	513.67750	1.000	39.23	39.16	27.302...	12.27	0.4493		44.9	0.20505				

Quantify Totals Report MassLynx 4.1

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Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402, Task:

Total TCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	5 Total TCDFs	303.9016	16.39	9461.954	16.6465	16.6465	0.97151	0.7658	0.773	0.770	NO	78.283
2	5 Total TCDFs	303.9016	16.10	707.287	1.2443	1.1089	0.97151	0.7658	0.986	0.770	YES	5.860
3	5 Total TCDFs	303.9016	15.94	779.689	1.3717	1.3717	0.97151	0.7658	0.800	0.770	NO	6.874
4	5 Total TCDFs	303.9016	15.59	1899.292	3.3414	3.3414	0.97151	0.7658	0.825	0.770	NO	19.091
5	5 Total TCDFs	303.9016	18.61	1285.535	2.2616	2.2616	0.97151	0.7658	0.720	0.770	NO	8.016
6	4 2,3,7,8-TCDF	303.9016	18.17	8884.632	15.6308	15.6308	0.97151	0.7658	0.677	0.770	NO	60.385
7	5 Total TCDFs	303.9016	17.75	6011.730	10.5765	9.7476	0.97151	0.7658	0.921	0.770	YES	48.950
8	5 Total TCDFs	303.9016	17.58	3714.952	6.5357	6.5357	0.97151	0.7658	0.703	0.770	NO	32.960
9	5 Total TCDFs	303.9016	17.45	5794.071	10.1935	10.1935	0.97151	0.7658	0.702	0.770	NO	41.087
10	5 Total TCDFs	303.9016	17.19	5013.464	8.8202	8.8202	0.97151	0.7658	0.719	0.770	NO	39.895
11	5 Total TCDFs	303.9016	16.96	2355.977	4.1449	2.7407	0.97151	0.7658	0.404	0.770	YES	21.418
12	5 Total TCDFs	303.9016	16.90	1434.261	2.5233	2.3165	0.97151	0.7658	0.928	0.770	YES	14.055
13	5 Total TCDFs	303.9016	16.63	4722.915	8.3090	7.5507	0.97151	0.7658	0.948	0.770	YES	27.651
14	5 Total TCDFs	303.9016	16.48	1078.805	1.8979	1.4555	0.97151	0.7658	0.501	0.770	YES	14.921

Total TCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	9 Total TCDDs	319.8965	16.84	903.908	2.3597	2.3597	1.00877	0.8056	0.863	0.770	NO	13.320
2	9 Total TCDDs	319.8965	16.54	500.677	1.3070	1.0261	1.00877	0.8056	1.255	0.770	YES	6.214

Total F2 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... Total F2 PeCD...	339.8597	25.35	647.617	1.2977	0.7342	1.04877	0.9135	3.507	1.550	YES	4.399
2	... 2,3,4,7,8-PeCDF	339.8597	24.95	2198.071	4.4916	3.9486	1.02843	0.9316	1.901	1.550	YES	7.302
3	... Total F2 PeCD...	339.8597	24.09	1738.287	3.4831	3.4831	1.04877	0.9135	1.596	1.550	NO	10.327
4	... Total F2 PeCD...	339.8597	23.85	531.529	1.0651	0.5981	1.04877	0.9135	3.541	1.550	YES	4.520
5	... 1,2,3,7,8-PeCDF	339.8597	23.52	3717.038	7.3064	7.3064	1.06912	0.8961	1.610	1.550	NO	18.850
6	... Total F2 PeCD...	339.8597	23.40	1326.783	2.6586	2.3578	1.04877	0.9135	1.170	1.550	YES	8.273
7	... Total F2 PeCD...	339.8597	23.03	3121.341	6.2544	4.4537	1.04877	0.9135	2.581	1.550	YES	12.827
8	... Total F2 PeCD...	339.8597	22.60	595.252	1.1927	1.0677	1.04877	0.9135	1.193	1.550	YES	4.927
9	... Total F2 PeCD...	339.8597	22.33	344.193	0.6897	0.3081	1.04877	0.9135	4.708	1.550	YES	2.847
10	... Total F2 PeCD...	339.8597	22.09	9099.798	18.2339	18.2339	1.04877	0.9135	1.493	1.550	NO	42.466
11	... Total F2 PeCD...	339.8597	21.84	1521.130	3.0480	3.0480	1.04877	0.9135	1.517	1.550	NO	9.027

Total F1 PeCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	... Total F1 PeCD...	339.8597	20.74	137.046	0.2746	0.1181	1.04877	0.6552	0.354	1.550	YES	3.190
2	... Total F1 PeCD...	339.8597	20.41	1609.980	3.2260	2.4465	1.04877	0.6552	2.362	1.550	YES	10.531

Quantify Totals Report MassLynx 4.1

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Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402, Task:

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio C	Ratio T	S/N
1	... Total PeCDDs	355.8546	23.53	313.905	1.0160	0.4286	0.88408	1.4447	5.044	1.550	YES	3.109
2	... Total PeCDDs	355.8546	23.04	139.262	0.4507	0.2737	0.88408	1.4447	0.585	1.550	YES	2.005
3	... Total PeCDDs	355.8546	22.26	520.067	1.6832	1.6832	0.88408	1.4447	1.639	1.550	NO	6.276
4	... Total PeCDDs	355.8546	25.81	127.262	0.4119	0.2547	0.88408	1.4447	3.123	1.550	YES	1.828
5	... 1,2,3,7,8-PeC...	355.8546	25.74	119.699	0.3874	0.2611	0.88408	1.4447	0.694	1.550	YES	3.448
6	... Total PeCDDs	355.8546	25.70	136.535	0.4419	0.3675	0.88408	1.4447	2.066	1.550	YES	2.807

Total HxCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio C	Ratio T	S/N
1	... Total HxCDFs	373.8208	31.85	366.313	0.7998	0.5822	1.23262	0.9285	0.675	1.240	YES	5.045
2	... Total HxCDFs	373.8208	31.65	1008.347	2.2015	1.8220	1.23262	0.9285	1.707	1.240	YES	7.152
3	... 1,2,3,6,7,8-Hx...	373.8208	31.52	4234.441	8.1616	7.4811	1.39626	0.8197	1.444	1.240	YES	28.237
4	... 1,2,3,4,7,8-Hx...	373.8208	31.39	6205.493	13.7054	13.7054	1.21851	0.9392	1.292	1.240	NO	39.815
5	... Total HxCDFs	373.8208	30.83	1091.963	2.3841	2.0834	1.23262	0.9285	0.937	1.240	YES	6.559
6	... Total HxCDFs	373.8208	30.57	329.424	0.7192	0.5604	1.23262	0.9285	0.759	1.240	YES	3.487
7	... Total HxCDFs	373.8208	30.52	310.595	0.6781	0.5547	1.23262	0.9285	1.738	1.240	YES	3.223
8	... Total HxCDFs	373.8208	29.95	4461.239	9.7403	8.5115	1.23262	0.9285	0.937	1.240	YES	22.592
9	... Total HxCDFs	373.8208	29.57	2176.011	4.7509	3.1161	1.23262	0.9285	2.415	1.240	YES	10.151
10	... Total HxCDFs	373.8208	32.97	547.401	1.1951	0.6179	1.23262	0.9285	3.333	1.240	YES	4.796
11	... 1,2,3,7,8,9-Hx...	373.8208	32.88	498.060	1.2431	0.8281	1.07822	1.0614	2.363	1.240	YES	3.591
12	... 2,3,4,6,7,8-Hx...	373.8208	32.17	1248.986	2.7162	2.7162	1.23749	0.9248	1.340	1.240	NO	9.742
13	... Total HxCDFs	373.8208	32.09	1081.719	2.3617	2.3617	1.23262	0.9285	1.215	1.240	NO	9.027
14	... Total HxCDFs	373.8208	31.90	919.919	2.0085	1.5271	1.23262	0.9285	1.946	1.240	YES	6.864

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio C	Ratio T	S/N
1												

Total HxCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio C	Ratio T	S/N
1	... Total HxCDDs	389.8157	31.44	467.884	1.1549	0.9942	1.08365	0.5926	0.910	1.240	YES	12.605
2	... Total HxCDDs	389.8157	31.41	190.460	0.4701	0.4701	1.08365	0.5926	1.155	1.240	NO	5.054
3	... Total HxCDDs	389.8157	30.72	483.574	1.1936	0.4883	1.08365	0.5926	4.476	1.240	YES	7.037
4	... 1,2,3,6,7,8-Hx...	389.8157	32.77	118.806	0.2862	0.1995	1.11052	0.5782	2.213	1.240	YES	2.163
5	... 1,2,3,4,7,8-Hx...	389.8157	32.70	414.772	1.0796	1.0796	1.02768	0.6249	1.421	1.240	NO	8.308
6	... Total HxCDDs	389.8157	31.72	774.768	1.9124	1.1511	1.08365	0.5926	0.500	1.240	YES	15.073
7	... Total HxCDDs	389.8157	31.55	176.409	0.4354	0.3989	1.08365	0.5926	1.029	1.240	YES	4.476

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio C	Ratio T	S/N
1												

Quantify Totals Report MassLynx 4.1

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Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402, Task:

Total HpCDFs

#	Name	Trace	RT	Abs. Resp.	Conc.	EMPC	RRE Mean	EDI	Ratio	Ratio	Ratio	SN
1	... 1,2,3,4,7,8,9-H...	407.7818	35.38	3322.640	8.9582	7.9562	1.19912	0.9640	0.827	1.040	YES	23.734
2	... Total HpCDFs	407.7818	34.56	4541.345	11.2904	11.2904	1.30039	0.8889	0.886	1.040	NO	33.112
3	... Total HpCDFs	407.7818	34.44	2992.420	7.4395	6.7706	1.30039	0.8889	0.866	1.040	YES	23.822
4	... 1,2,3,4,6,7,8-H...	407.7818	34.26	14878.416	34.3170	34.3170	1.40167	0.8247	1.134	1.040	NO	104.246

Total HpCDDs

#	Name	Trace	RT	Abs. Resp.	Conc.	EMPC	RRE Mean	EDI	Ratio	Ratio	Ratio	SN
1	... Total HpCDDs	423.7766	35.38	444.728	1.5125	0.7921	0.98108	1.0514	2.895	1.040	YES	4.285
2	... 1,2,3,4,6,7,8-H...	423.7766	35.07	2431.452	8.2695	8.2695	0.98108	1.0514	1.006	1.040	NO	28.961
3	... Total HpCDDs	423.7766	34.50	2605.370	8.8610	7.9856	0.98108	1.0514	0.850	1.040	YES	45.914
4	... Total HpCDDs	423.7766	34.25	429.951	1.4623	0.7557	0.98108	1.0514	2.947	1.040	YES	3.875

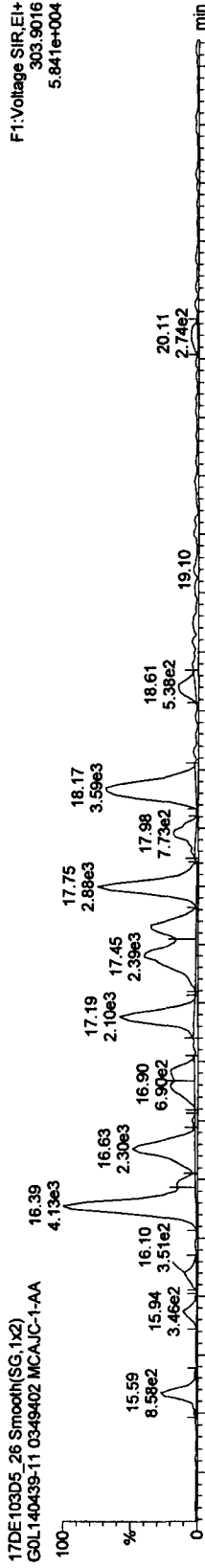
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

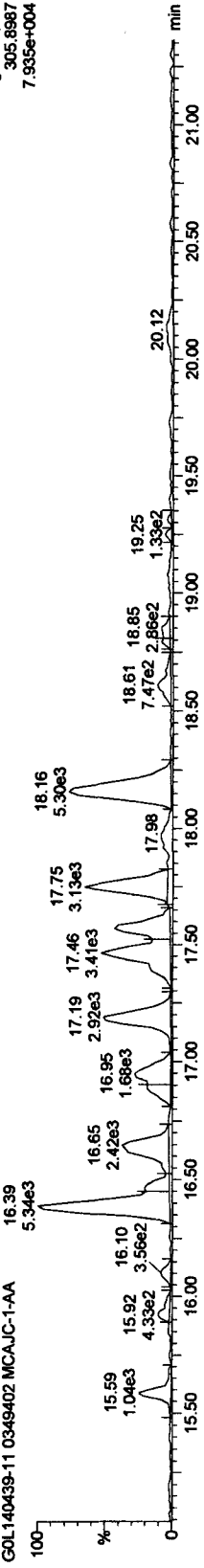
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJJC-1-AA, Description: GOL140439-11 0349402

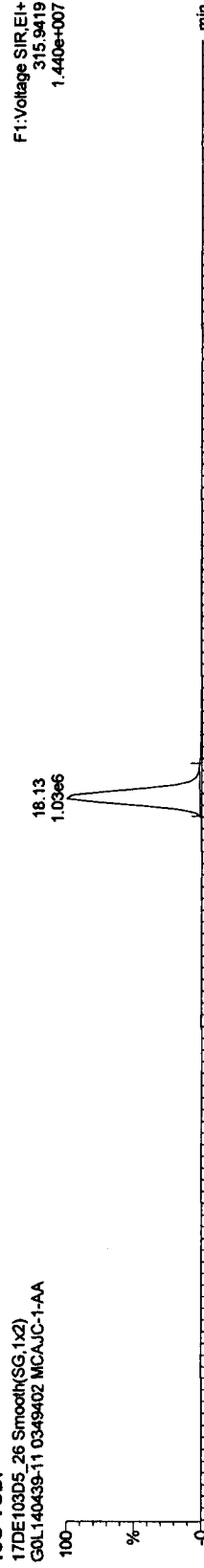
TCDFS



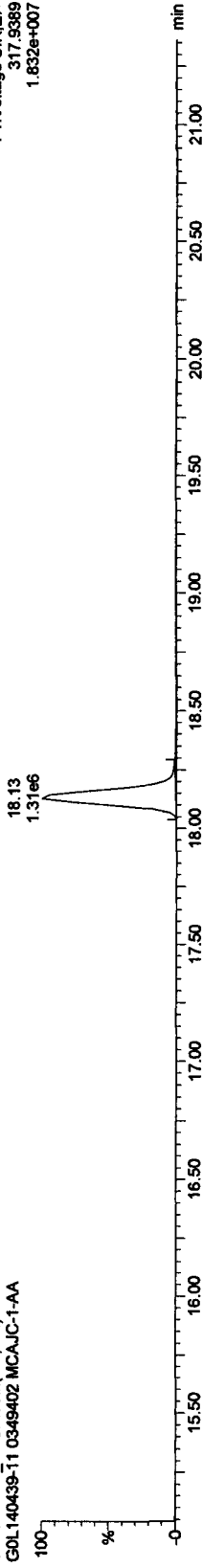
17DE103D5_26 Smooth(SG,1x2)



13C-TCDF



17DE103D5_26 Smooth(SG,1x2)



Quantify Compound Report MassLynx 4.1 SCN 714 Desktop

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

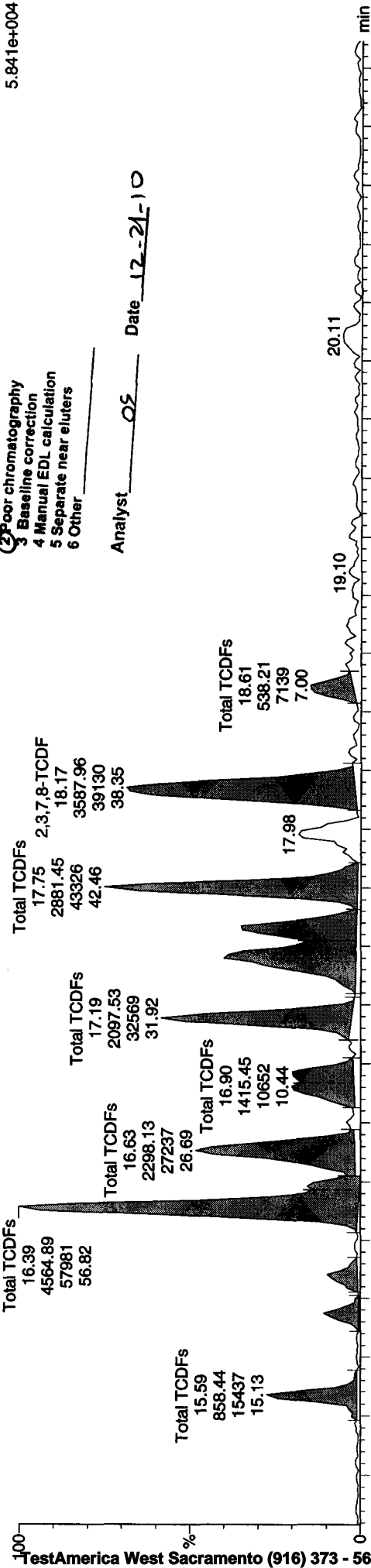
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Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

Compound Name: Total TCDFs, Chrom. Trace: 303.9016

Sample Name: 17DE103D5_26

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



Manual Edit Codes

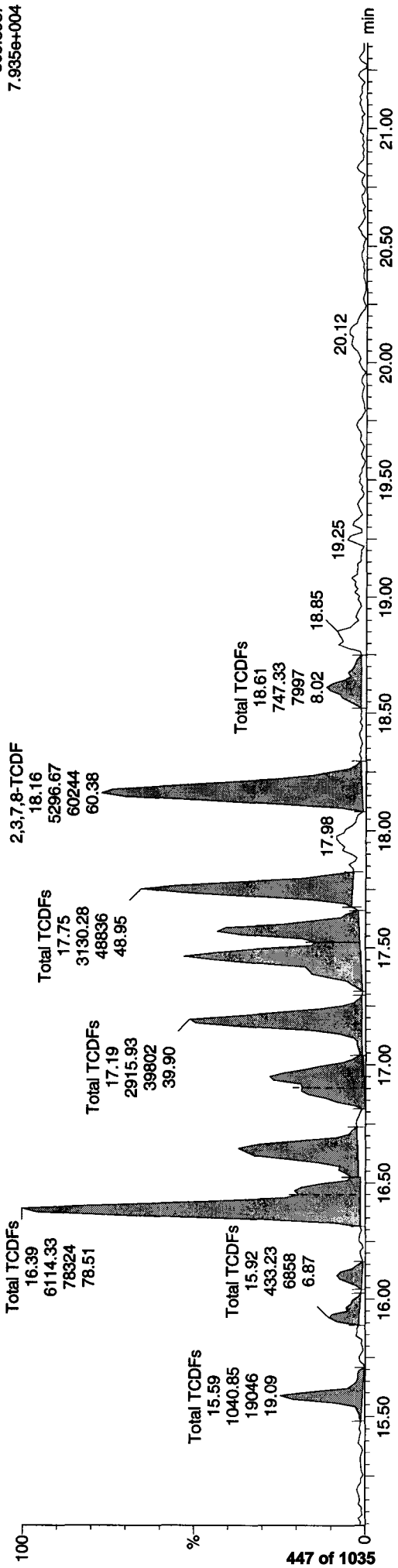
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: OS Date: 12-21-10

F1: Voltage SIR, EI+
303.9016
5.841e+004

Sample Name: 17DE103D5_26

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



F1: Voltage SIR, EI+
305.8987
7.935e+004

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09A.qld

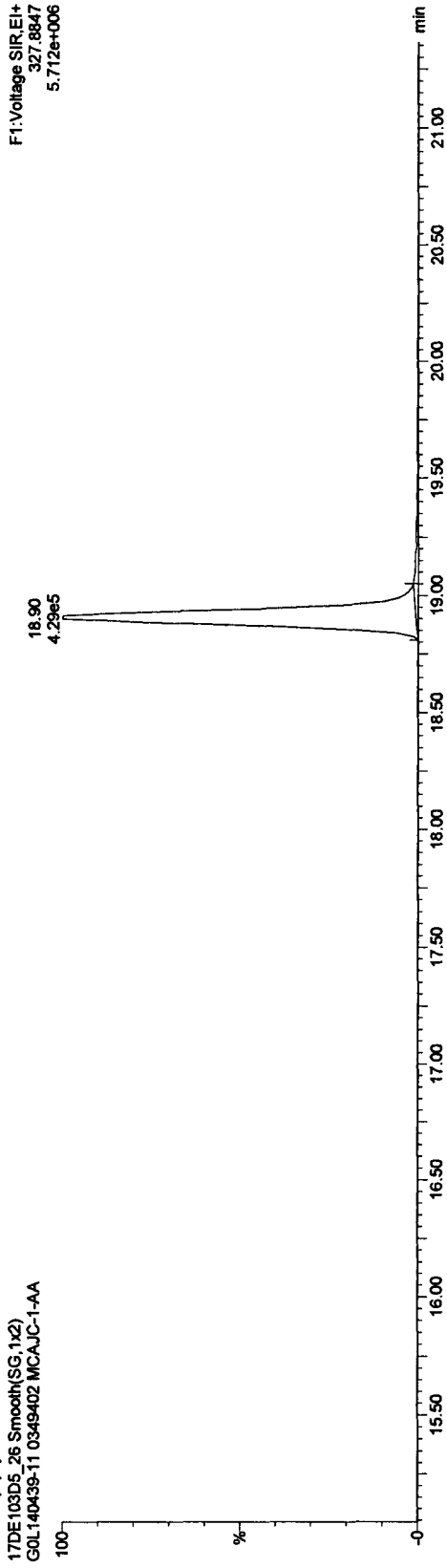
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Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

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

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

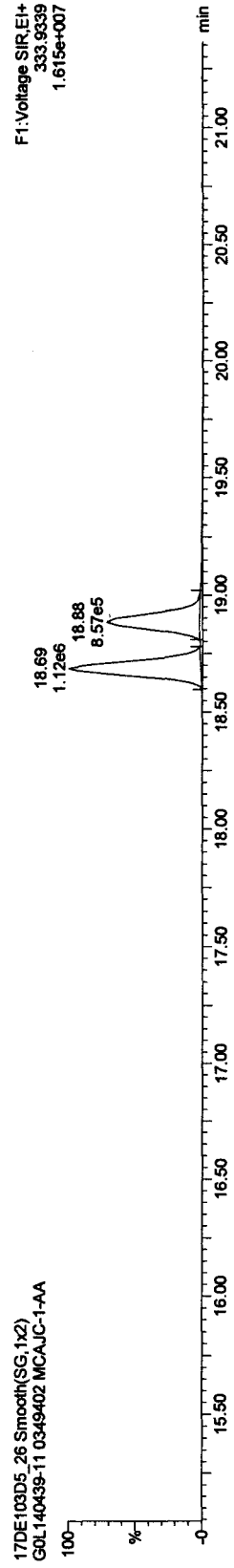


13C-TCDDs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

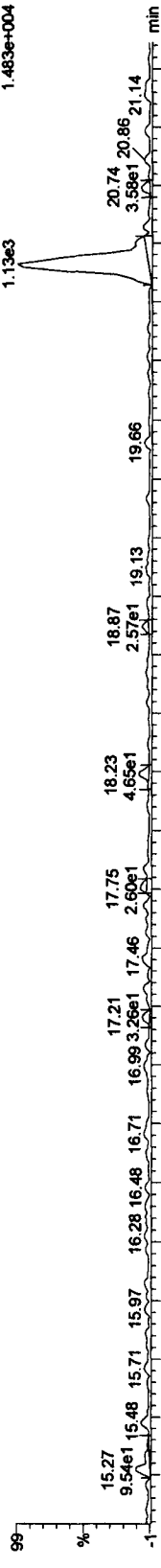
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Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

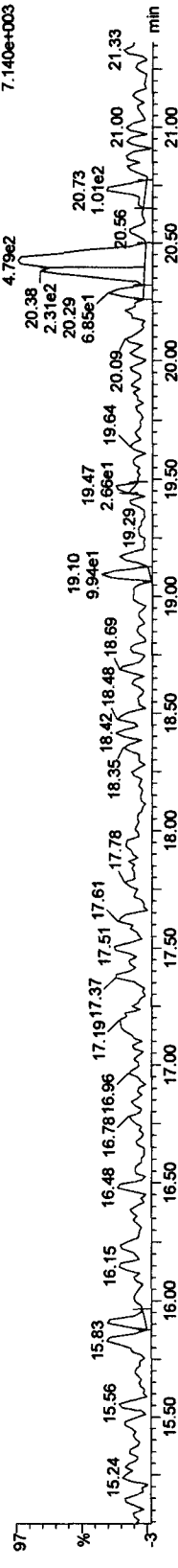
Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

F1 PeCDFs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

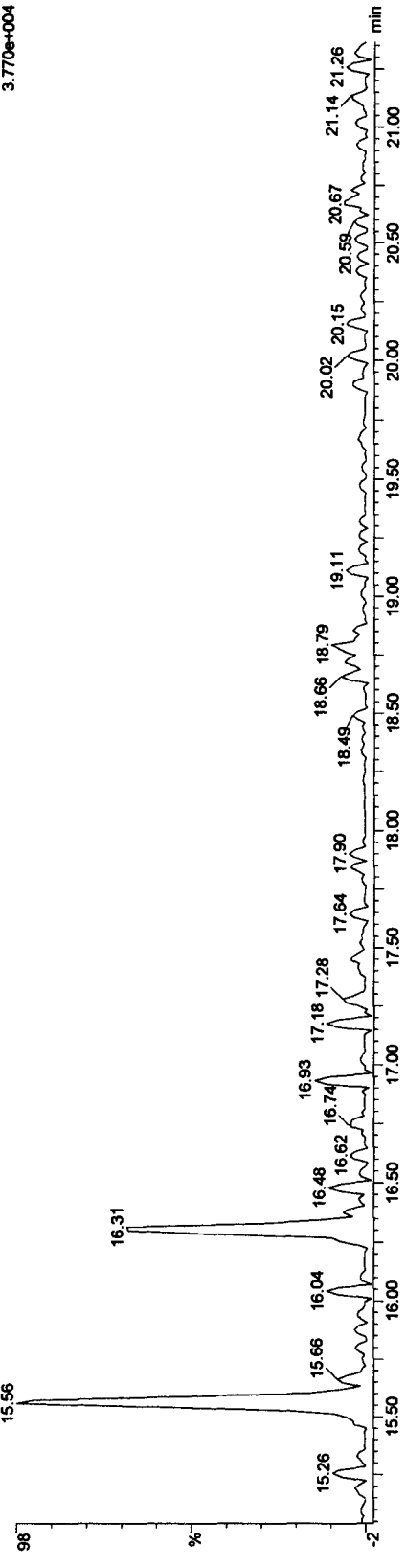


17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



F1 PeCDF PCDPE

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

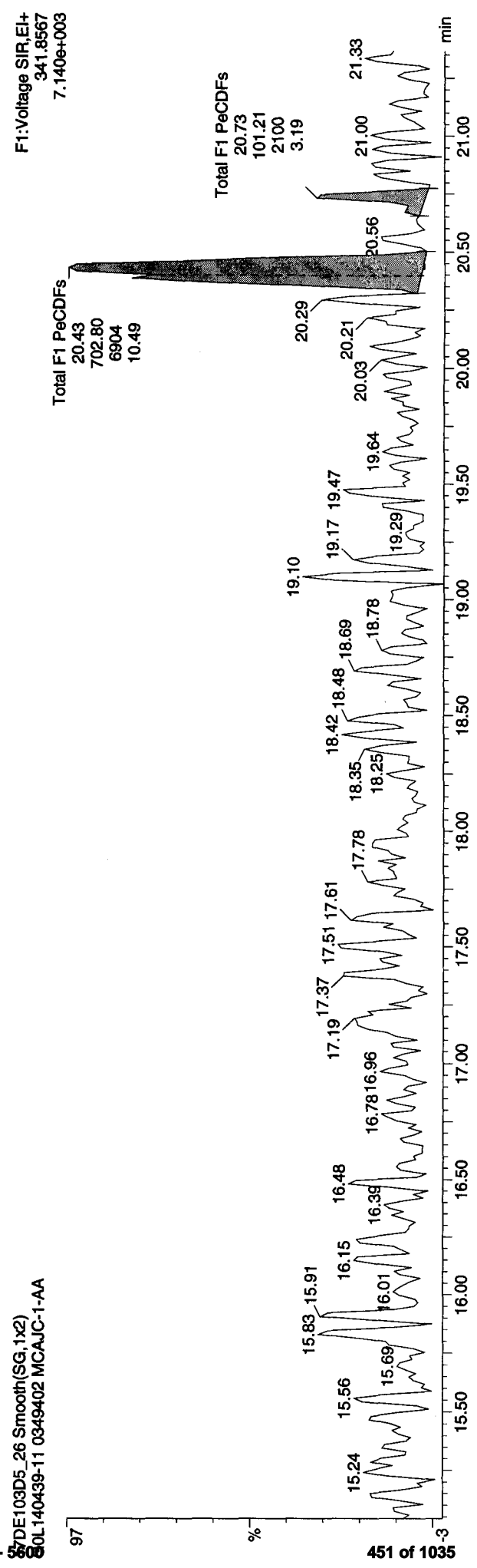
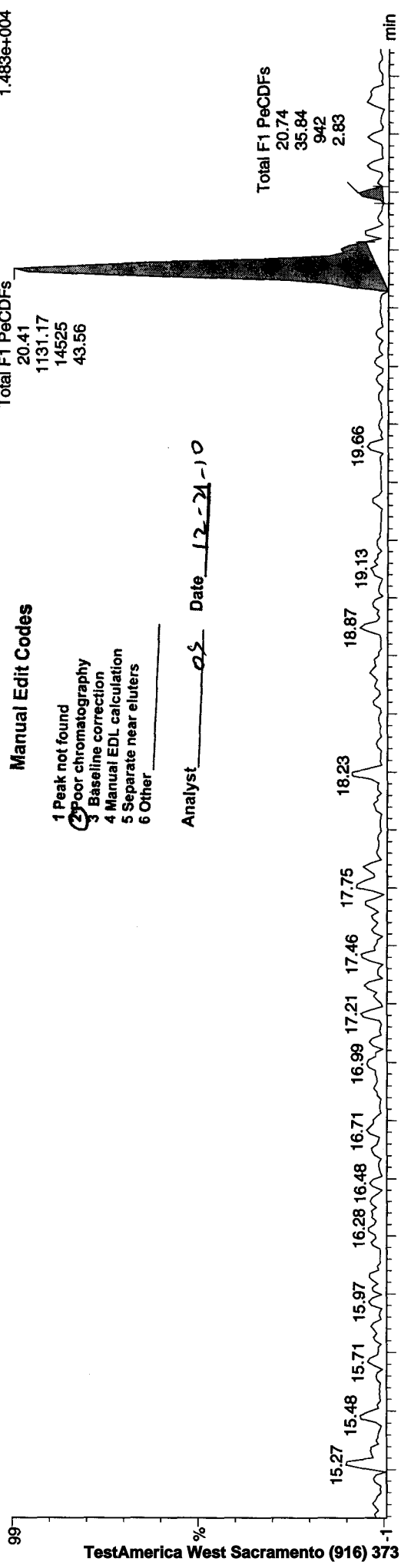


Dataset: \\sacsvr01\Instrument_Data\ATG\3D5JAN2010.PRO\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:33:39 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 11:37:31 Pacific Standard Time

Compound Name: Total F1 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 17DE103D5_26
 17DE103D5_26 Smooth(SG,1x2)
 GOL140439-11 0349402 MCAJC-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09A.qld

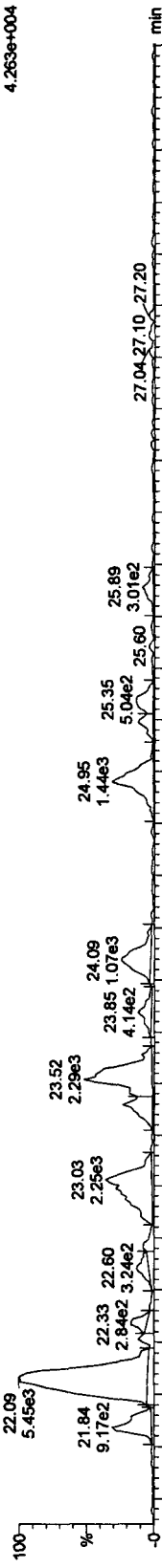
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

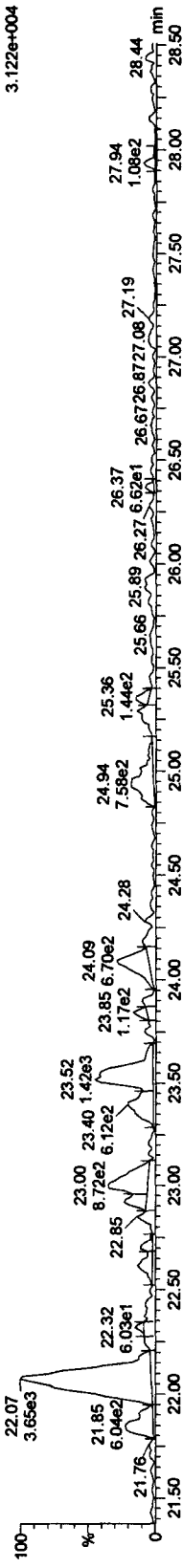
Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

PeCDFs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

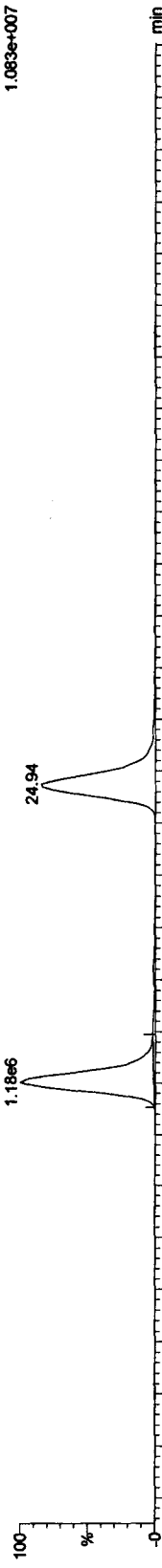


17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

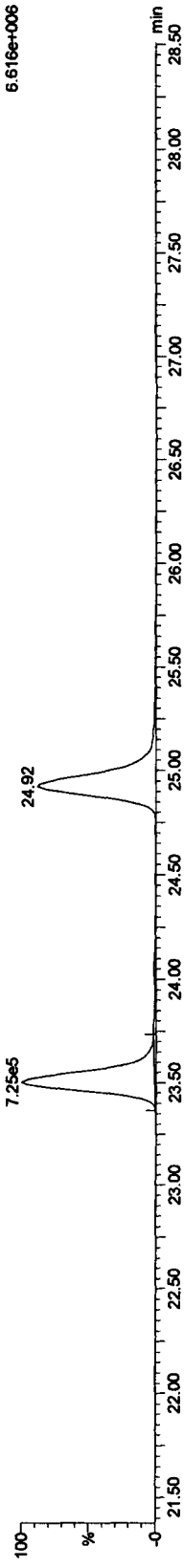


13C-PeCDFs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5T09AOS.qld

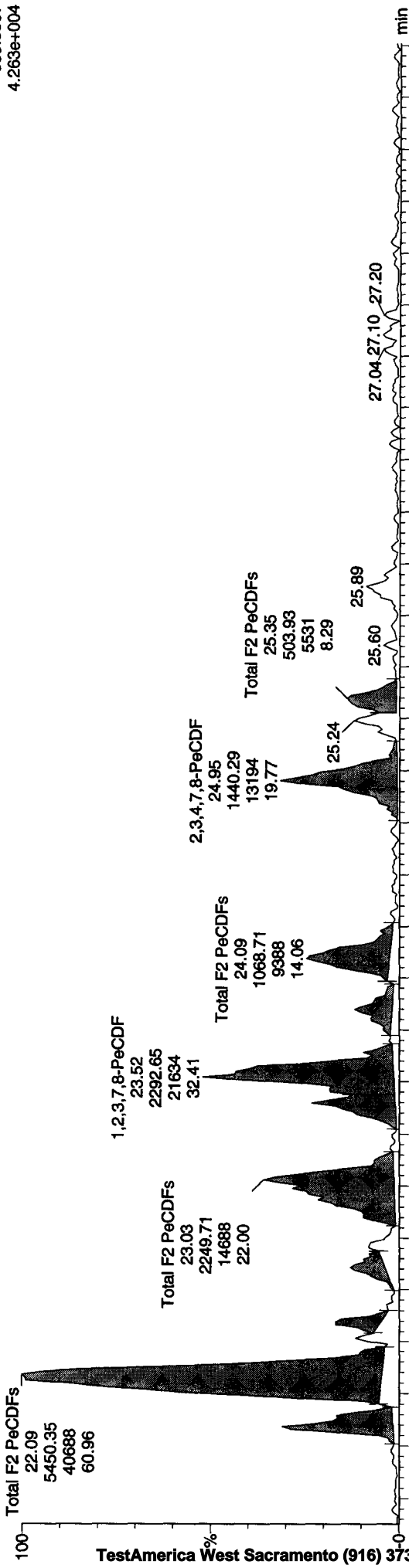
Last Altered: Tuesday, December 21, 2010 11:33:39 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:37:31 Pacific Standard Time

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 17DE103D5_26

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

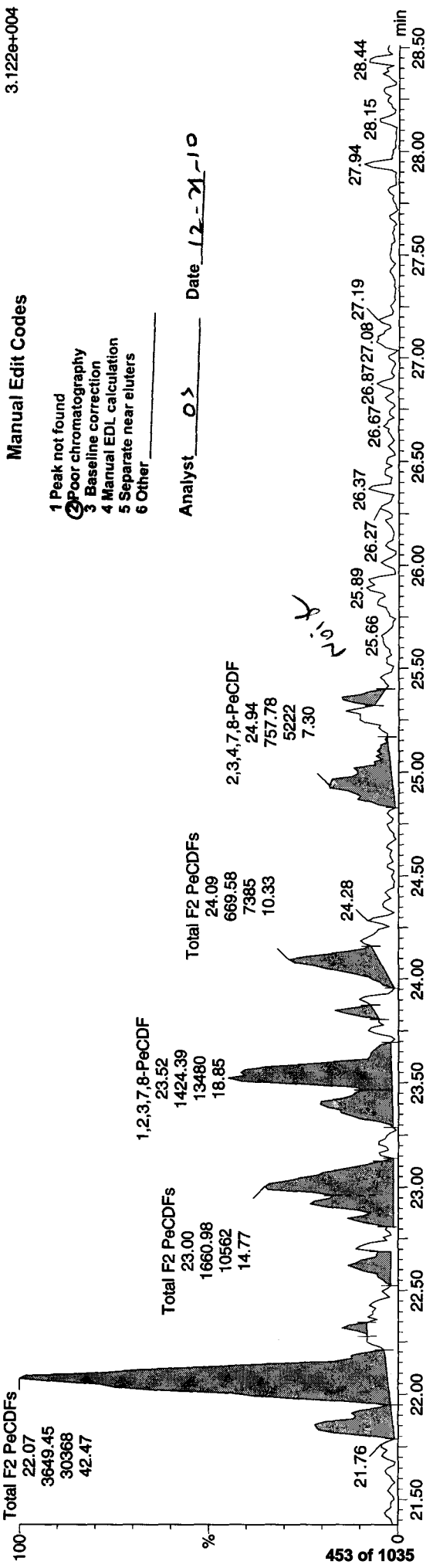
F2:Voltage SIR,EI+
339.8597
4.263e+004



Sample Name: 17DE103D5_26 Smooth(SG,1x2)

GOL140439-11 0349402 MCAJC-1-AA

F2:Voltage SIR,EI+
341.8567
3.122e+004



Manual Edit Codes

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

Analyst: O > Date: 12-21-10

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

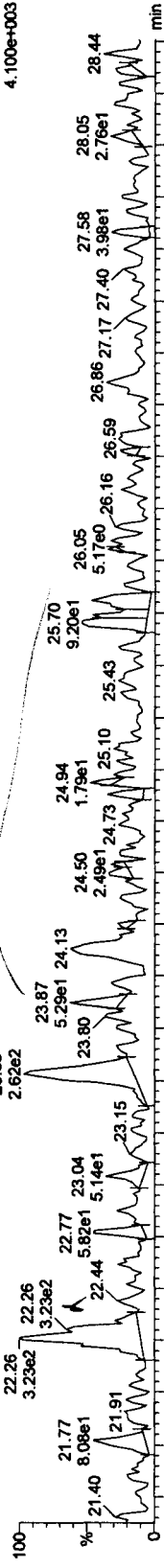
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

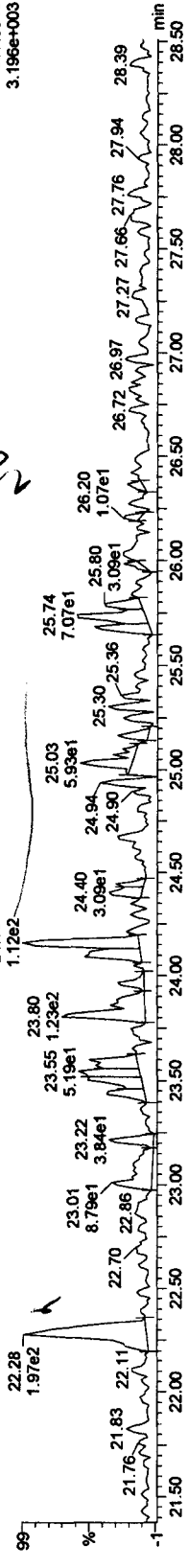
Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

PeCDDs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

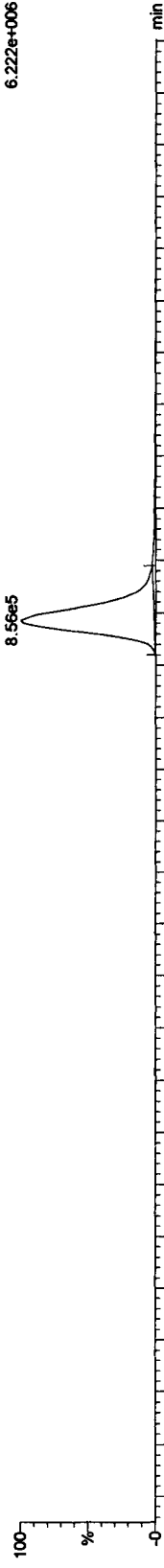


17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

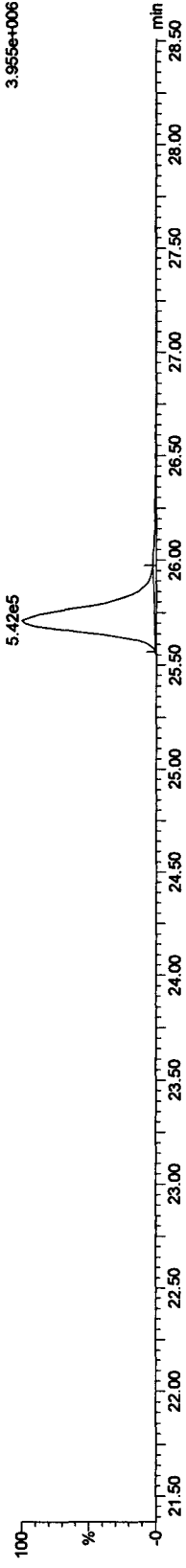


13C-PeCDD

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



Quantify Sample Report MassLynx 4.1

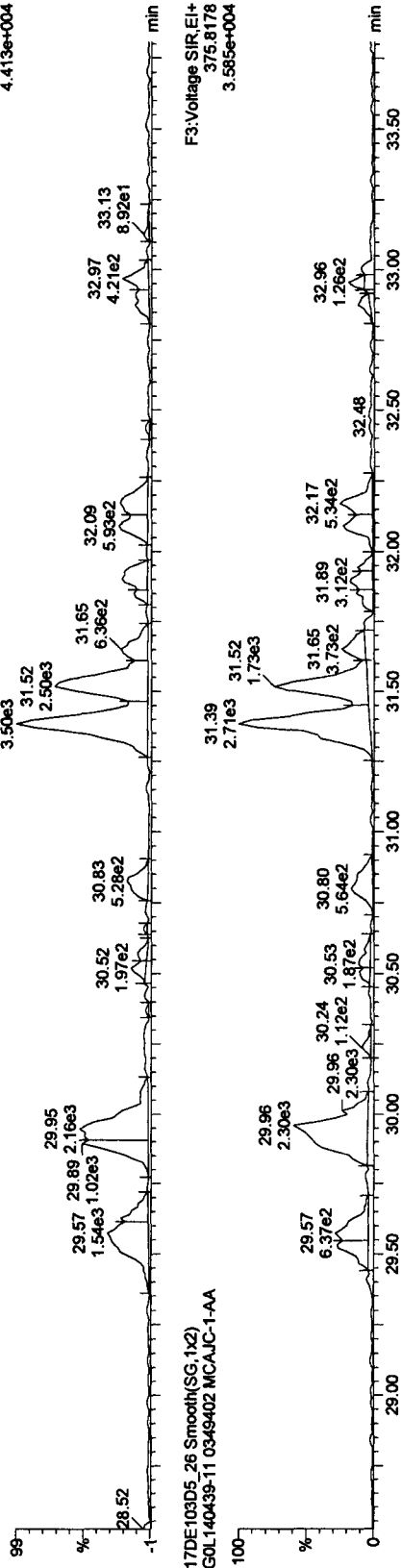
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

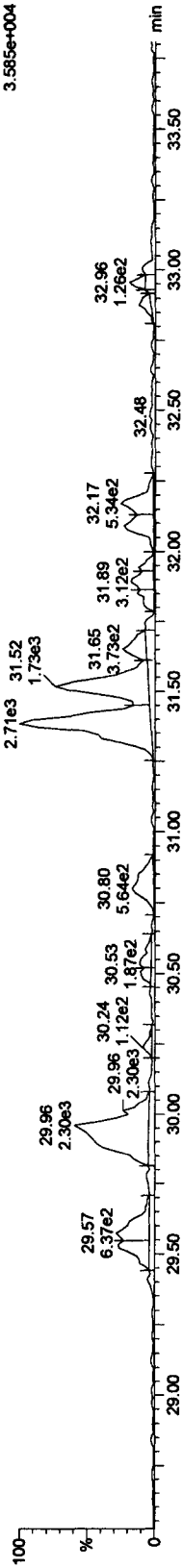
Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402

HxCDFs

17DE103D5_26 Smooth(SG,1x2)
 G0L140439-11 0349402 MCAJC-1-AA

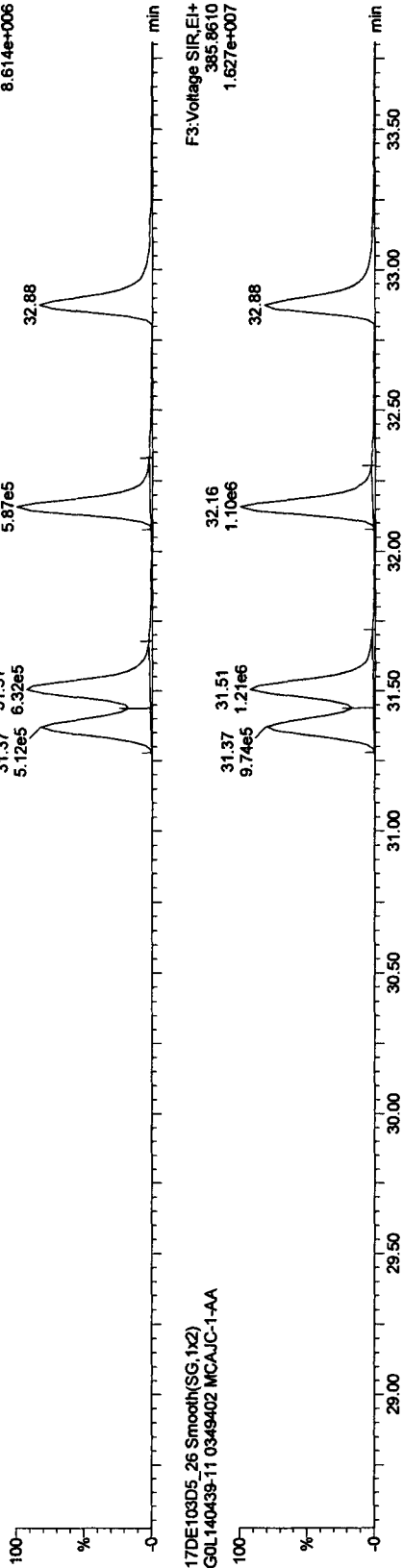


17DE103D5_26 Smooth(SG,1x2)
 G0L140439-11 0349402 MCAJC-1-AA



13C-HxCDFs

17DE103D5_26 Smooth(SG,1x2)
 G0L140439-11 0349402 MCAJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
 G0L140439-11 0349402 MCAJC-1-AA

Quantify Compound Report MassLynx 4.1 SCN 714 Desktop

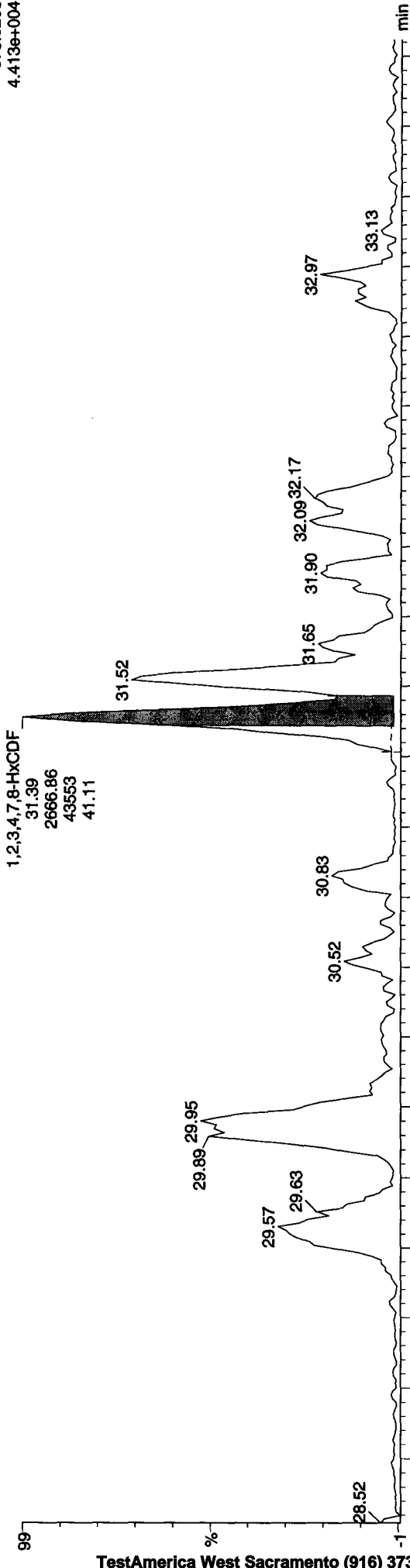
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Last Altered: Tuesday, December 21, 2010 11:33:39 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:37:31 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 17DE103D5_26
17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

F3: Voltage SIR, EI+
373.8208
4.413e+004

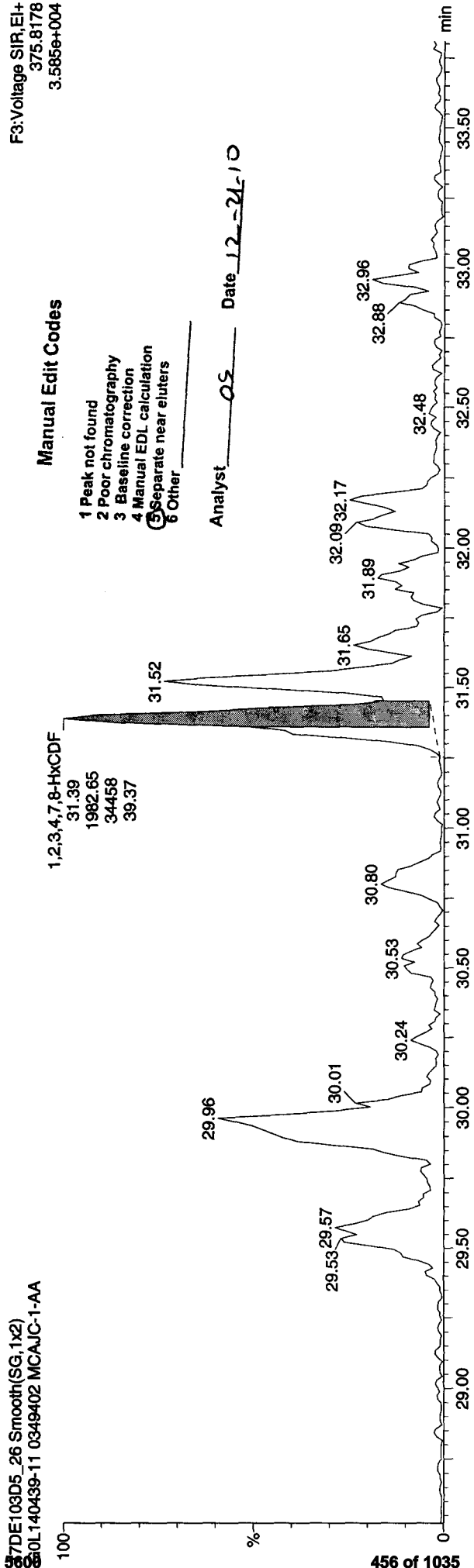


F3: Voltage SIR, EI+
375.8178
3.585e+004

Manual Edit Codes

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

Analyst: OS Date: 12-21-10



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PROV\17DE103D5T09AOS.qld

Last Altered: Tuesday, December 21, 2010 11:33:39 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 11:37:31 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

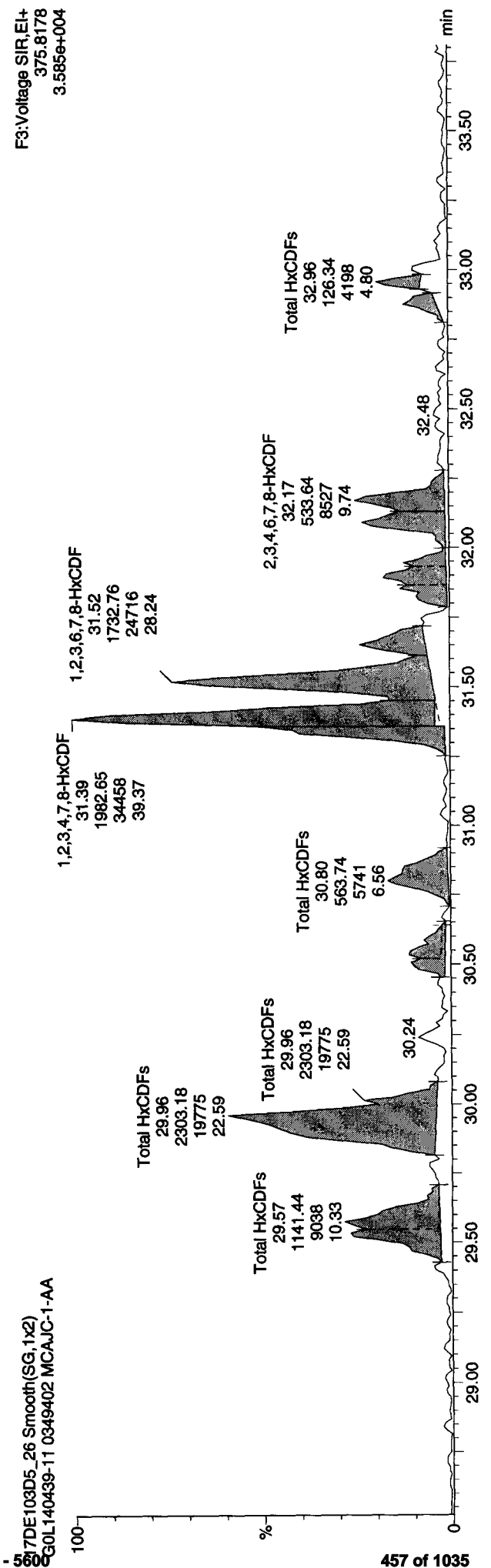
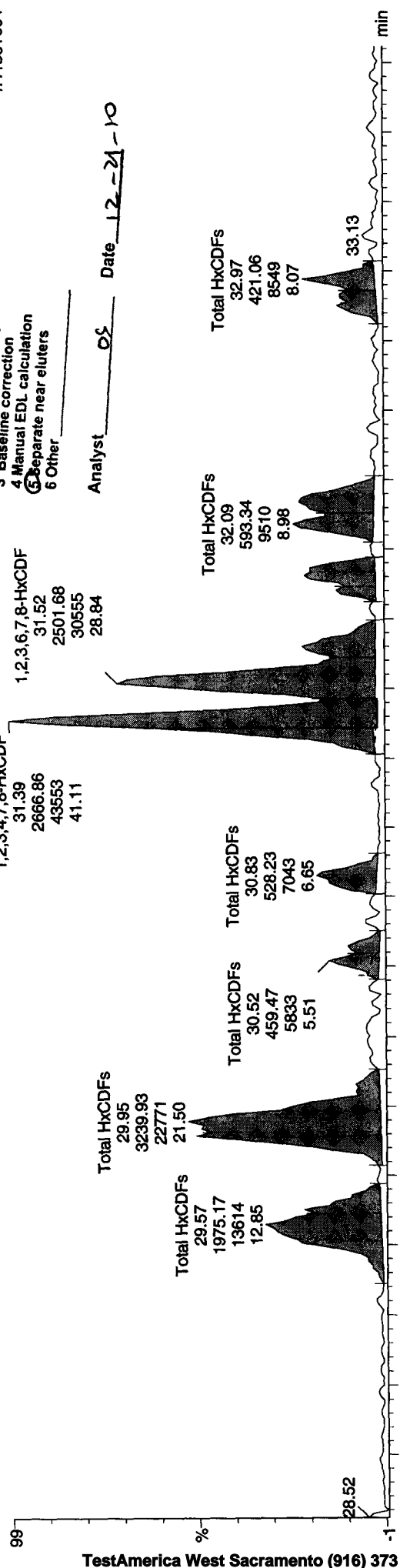
Sample Name: 17DE103D5_26
 17DE103D5_26 Smooth(SG,1x2)
 GOL140439-11 0349402 MCAJC-1-AA

Manual Edit Codes

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

F3: Voltage SIR.EI+
 373.8208
 4.413e+004

Analyst: DS Date: 12-21-10



F3: Voltage SIR.EI+
 375.8178
 3.585e+004

Quantify Sample Report MassLynx 4.1

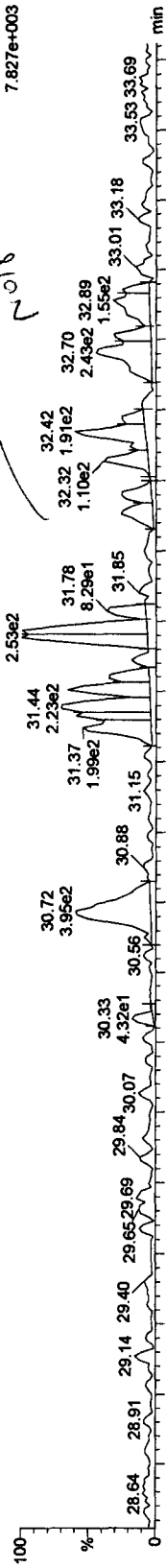
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

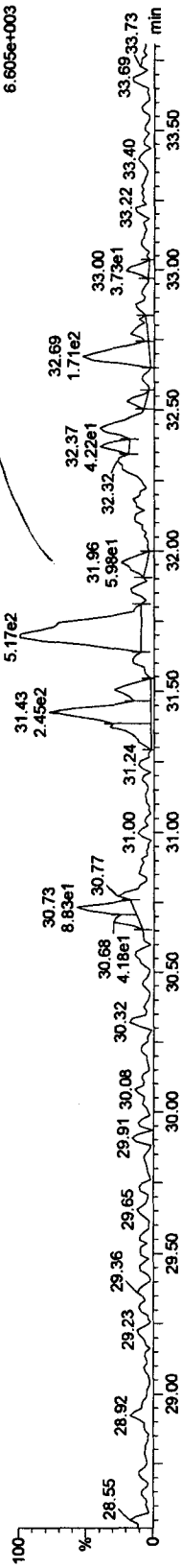
Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

HxCDDs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

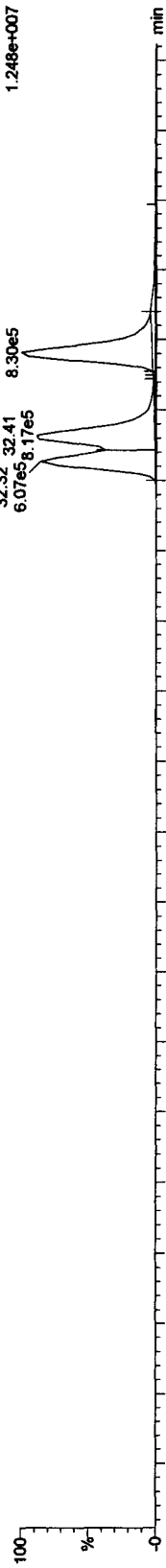


17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

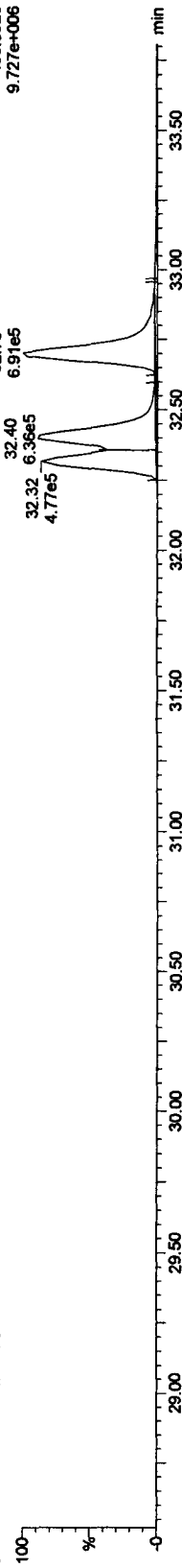


13C-HxCDDs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\17DE103D5TO9AOS.qld

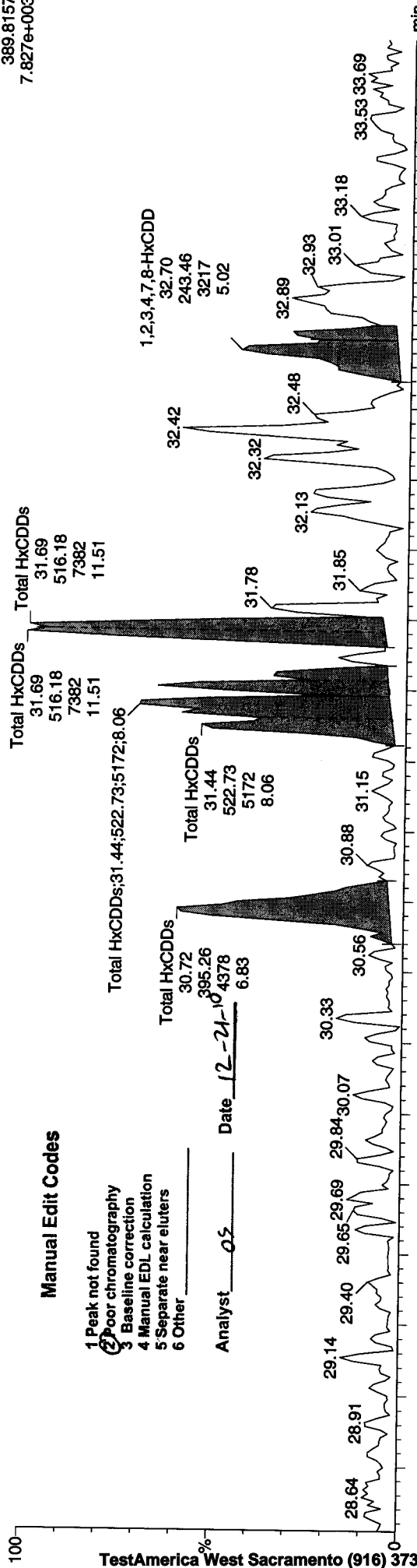
Last Altered: Tuesday, December 21, 2010 11:33:39 Pacific Standard Time
Printed: Tuesday, December 21, 2010 11:37:31 Pacific Standard Time

Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 17DE103D5_26

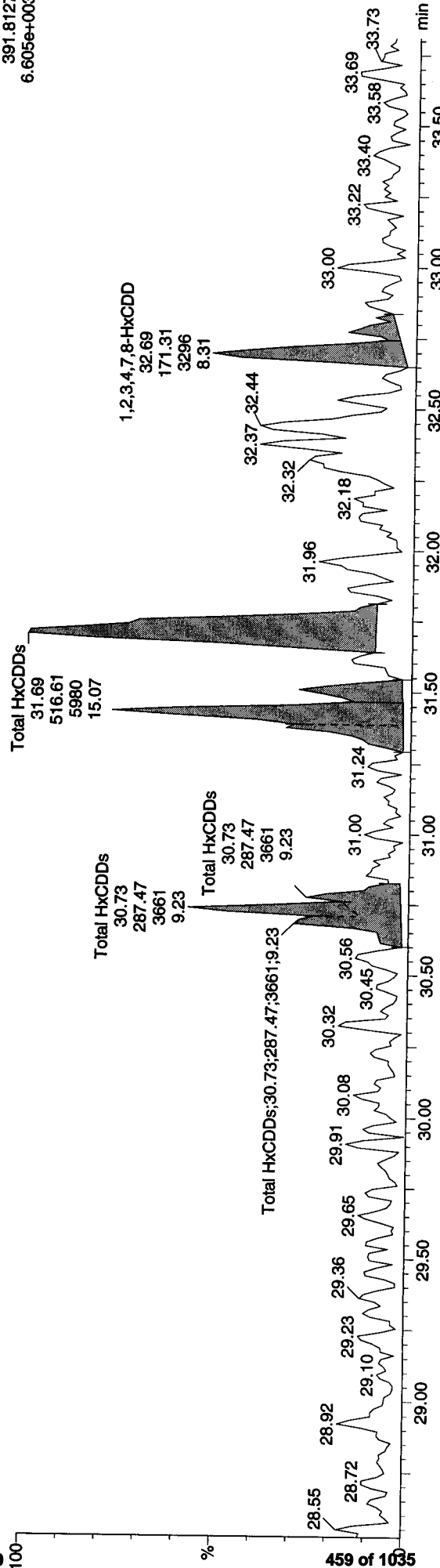
17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

F3: Voltage SIR, EI+
389.8157
7.827e+003



17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

F3: Voltage SIR, EI+
391.8127
6.605e+003



Quantify Sample Report MassLynx 4.1

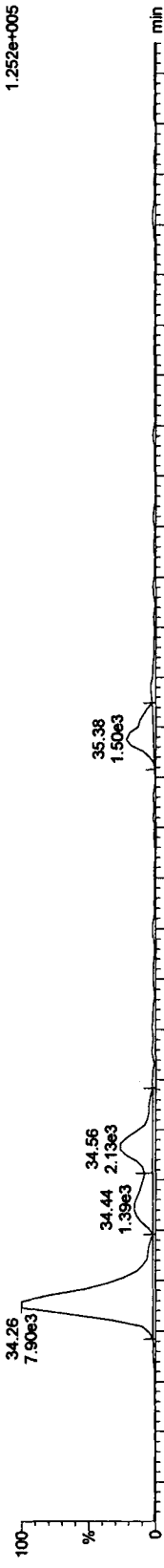
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Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

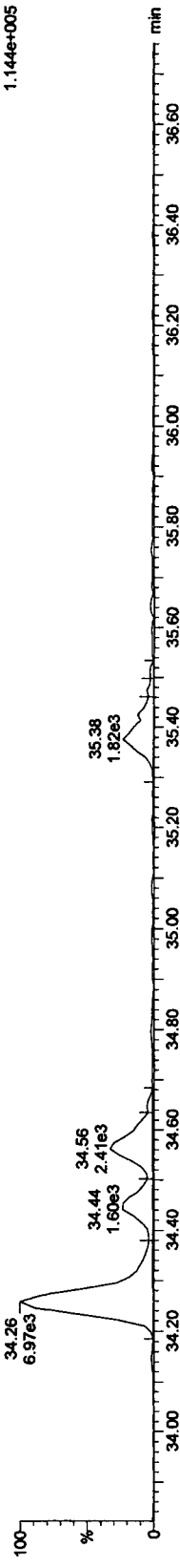
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HpCDFs

17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

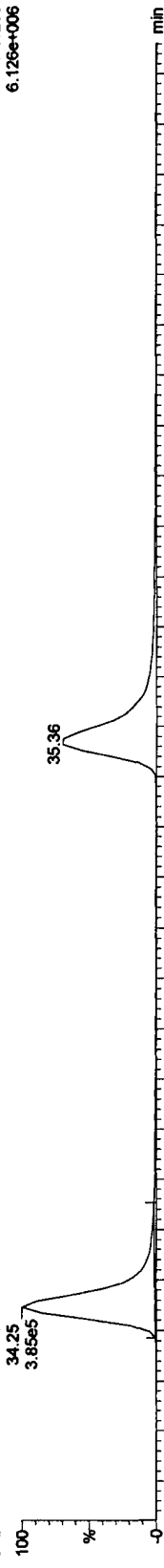


17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

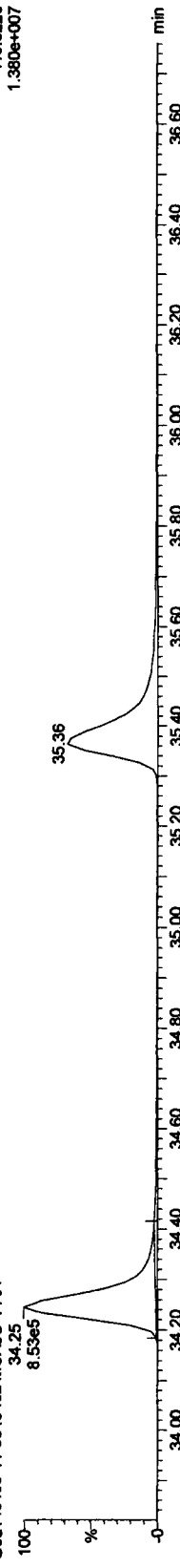


13C-HpCDFs

17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA



Quantify Sample Report MassLynx 4.1

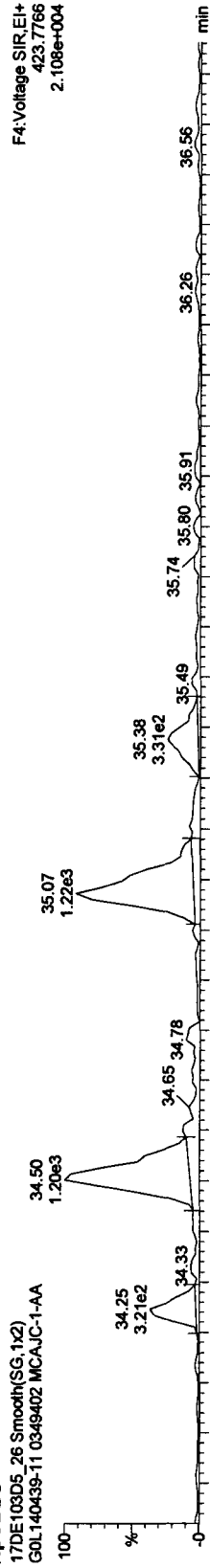
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Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

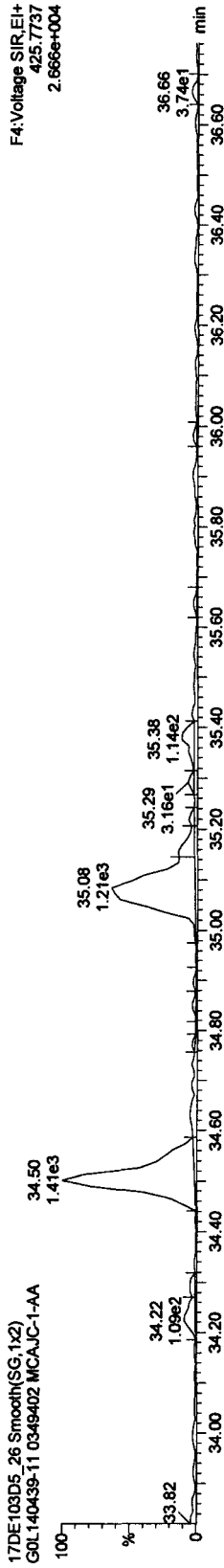
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HpCDDs

17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

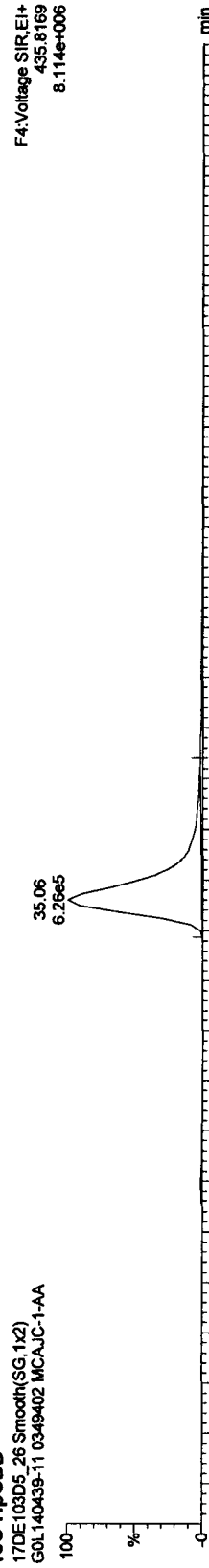


17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

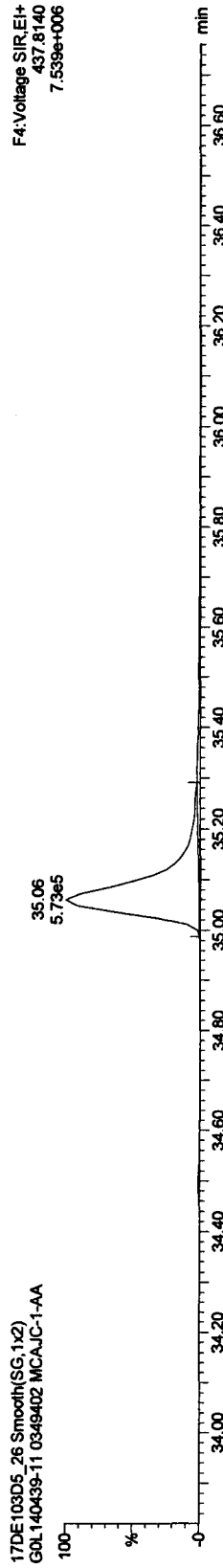


13C-HpCDD

17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

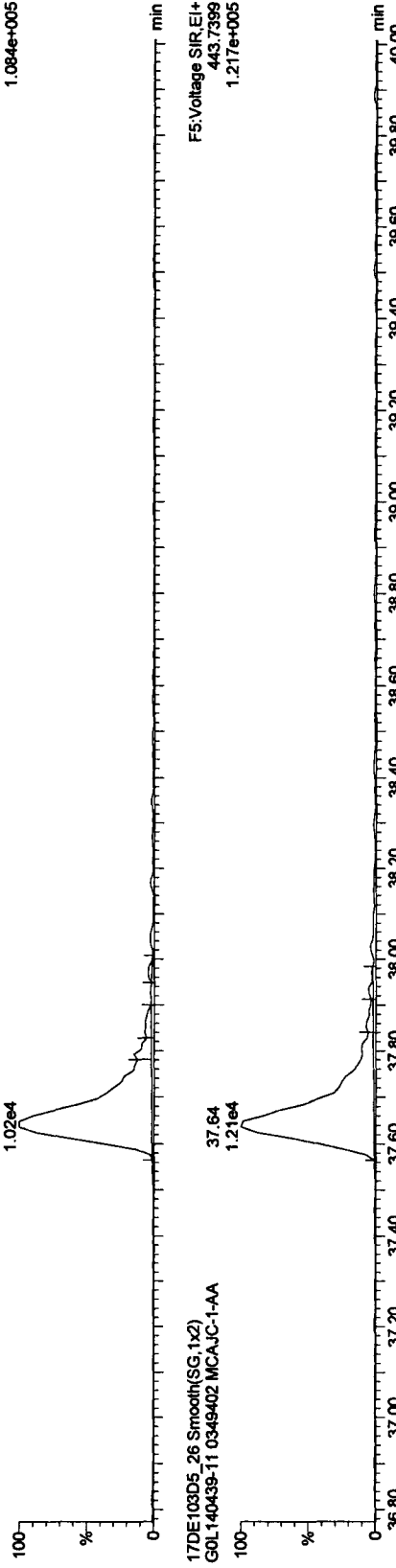
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402

OCDFs

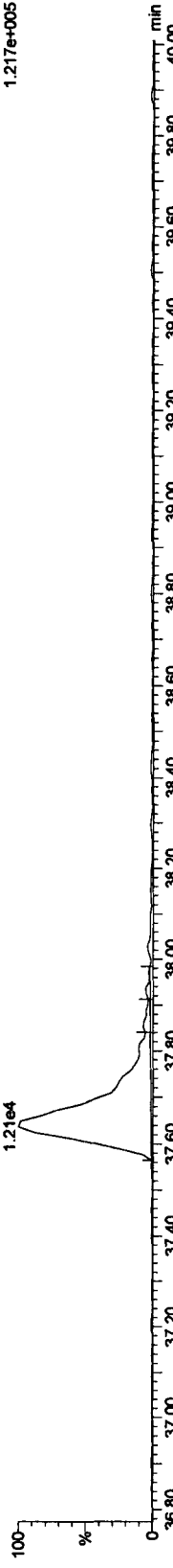
17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

F5:Voltage SIR,EI+
441.7428
1.084e+005



17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

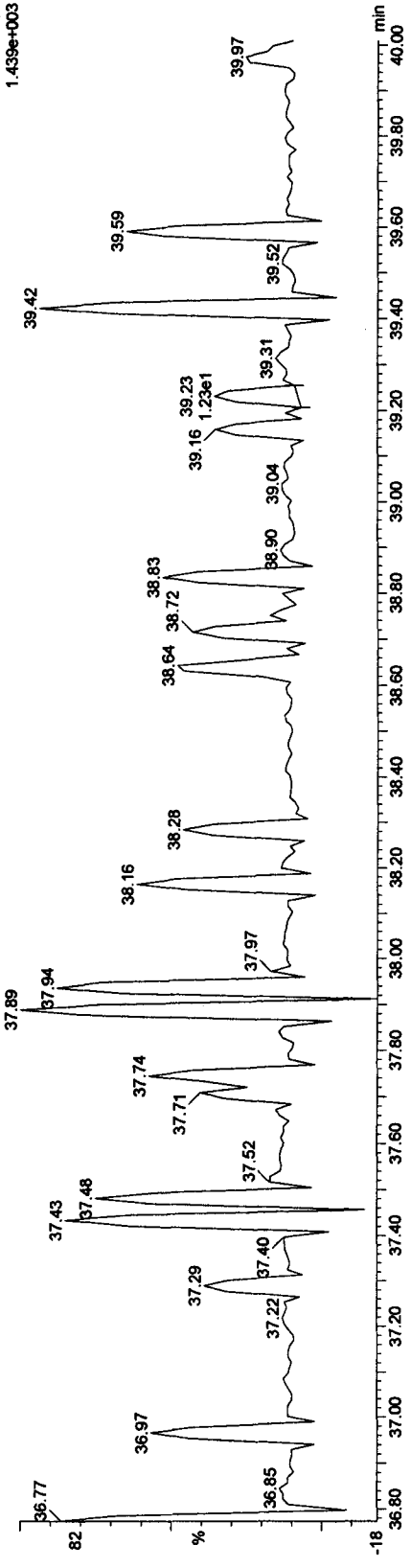
F5:Voltage SIR,EI+
443.7399
1.217e+005



OCDF PCDFE

17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJC-1-AA

F5:Voltage SIR,EI+
513.67750
1.439e+003



Quantify Sample Report MassLynx 4.1

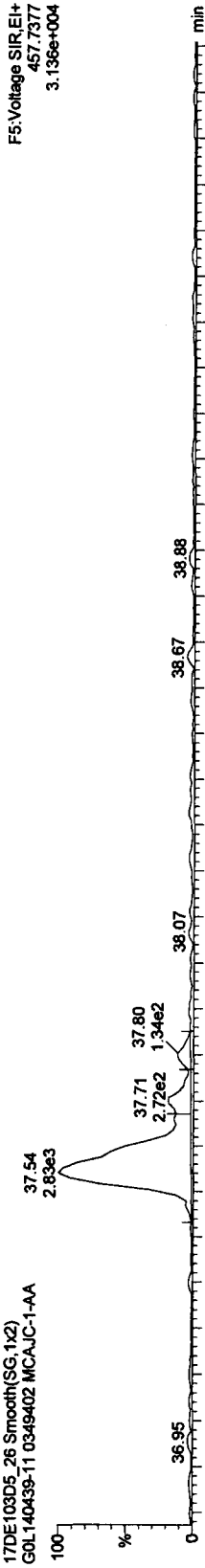
Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

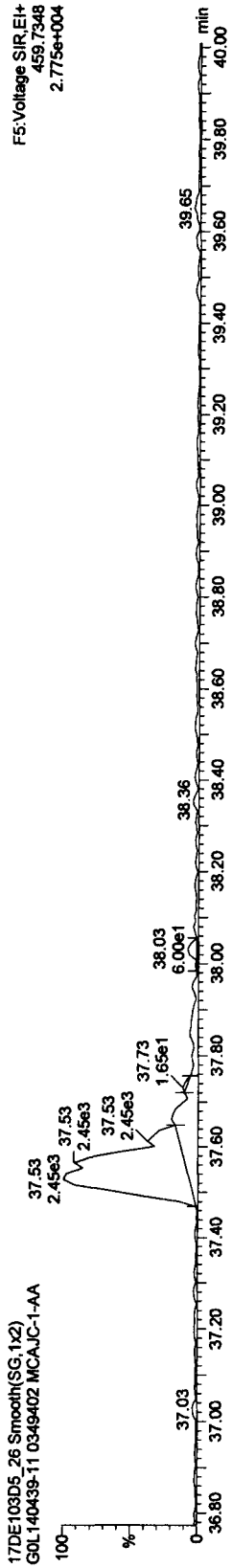
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OCDD

17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJJC-1-AA

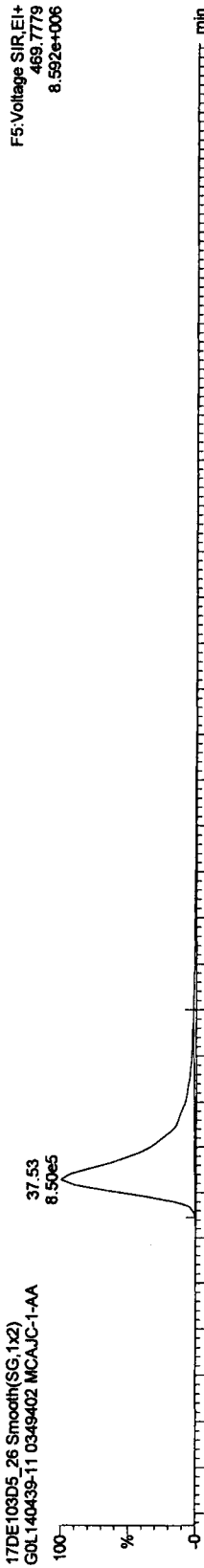


17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJJC-1-AA

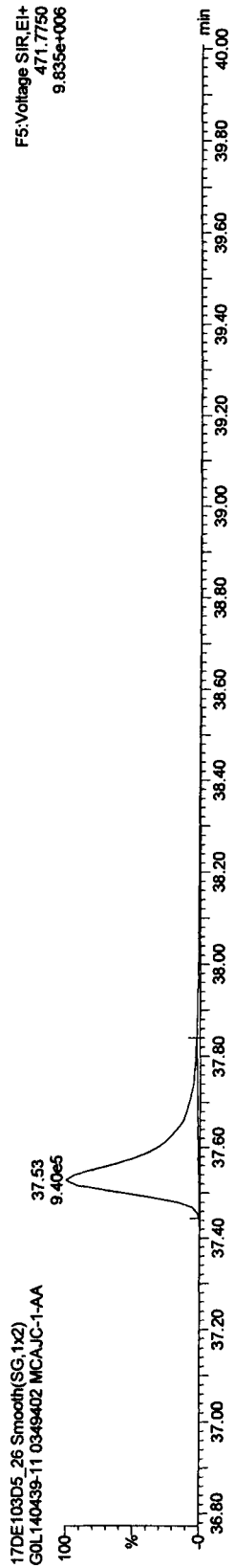


13C-OCDD

17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJJC-1-AA



17DE103D5_26 Smooth(SG,1x2)
G0L140439-11 0349402 MCAJJC-1-AA



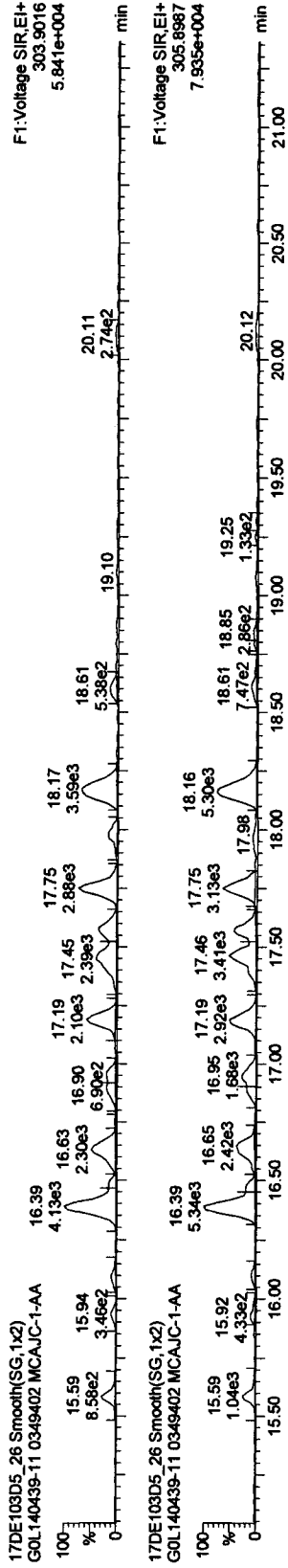
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

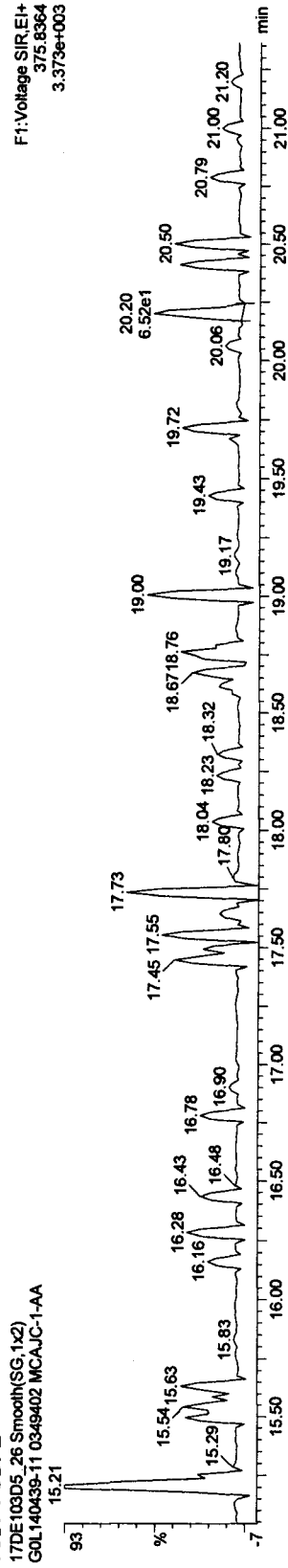
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402

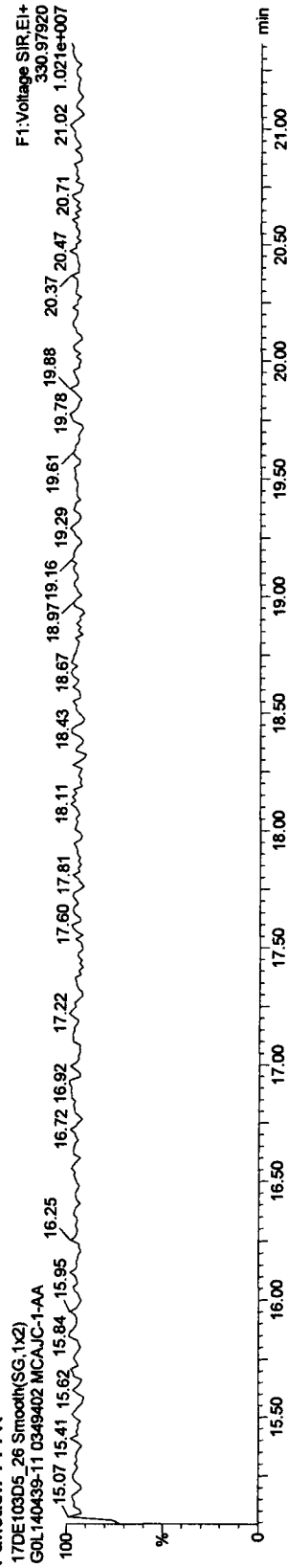
TCDFs



TCDF PCDFE



Function 1 PFK



Quantify Sample Report MassLynx 4.1

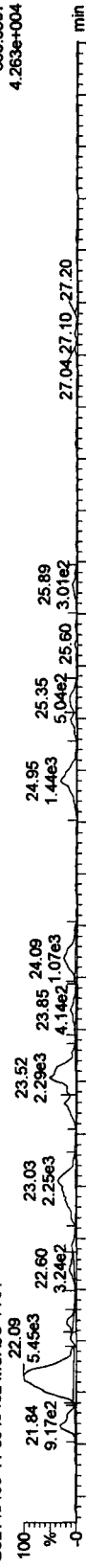
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

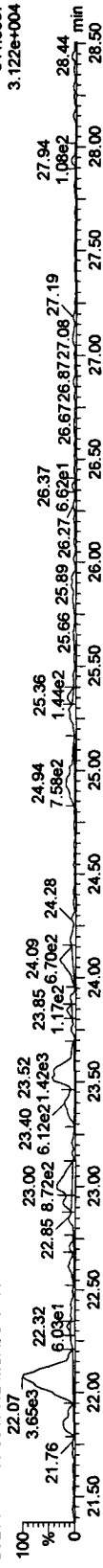
Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

PeCDF

17DE103D5_26 Smooth(SG,1x2)
 GOL140439-11 0349402 MCAJC-1-AA

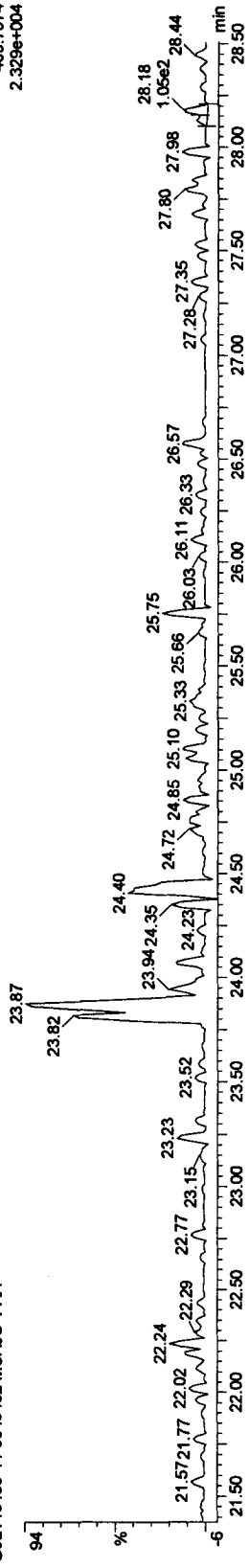


17DE103D5_26 Smooth(SG,1x2)
 GOL140439-11 0349402 MCAJC-1-AA



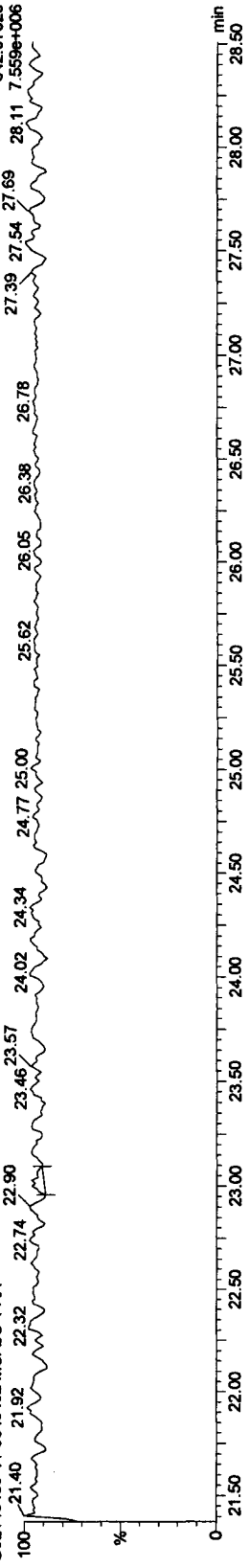
F2 PeCDF PCDFE

17DE103D5_26 Smooth(SG,1x2)
 GOL140439-11 0349402 MCAJC-1-AA



Function 2 PFK

17DE103D5_26 Smooth(SG,1x2)
 GOL140439-11 0349402 MCAJC-1-AA



Quantify Sample Report MassLynx 4.1

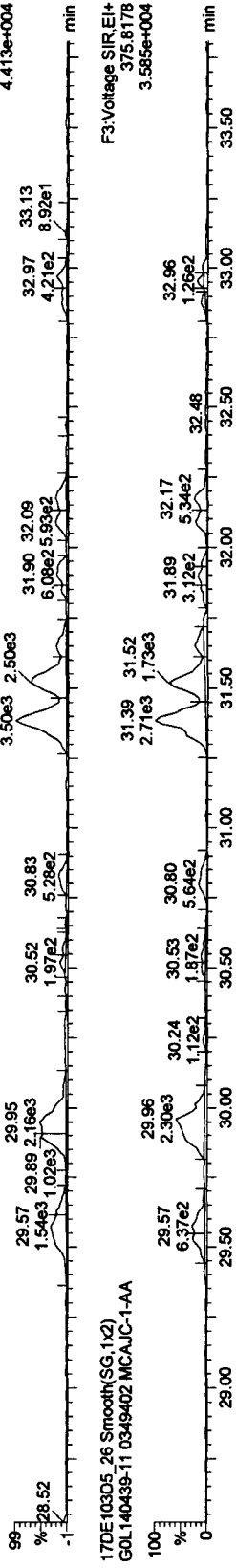
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

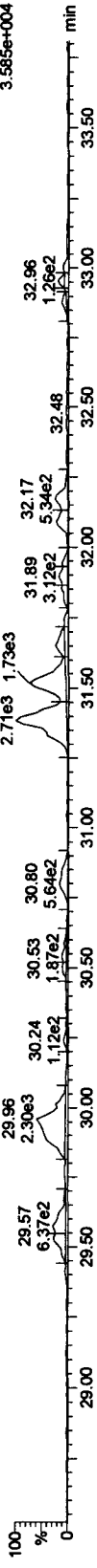
Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

HxCDFs

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA

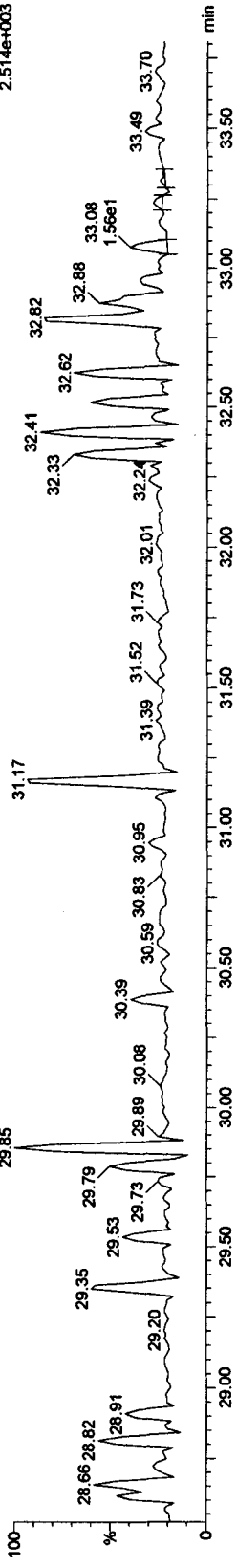


17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



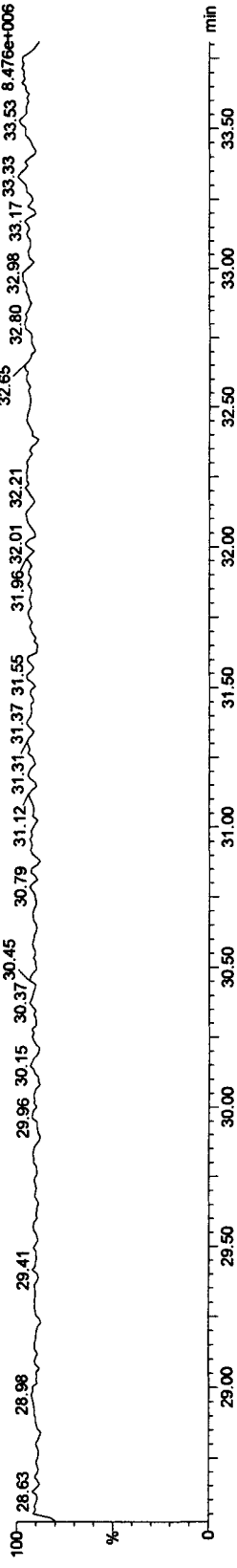
HxCDF PCDFE

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



Function 3 PFK

17DE103D5_26 Smooth(SG,1x2)
GOL140439-11 0349402 MCAJC-1-AA



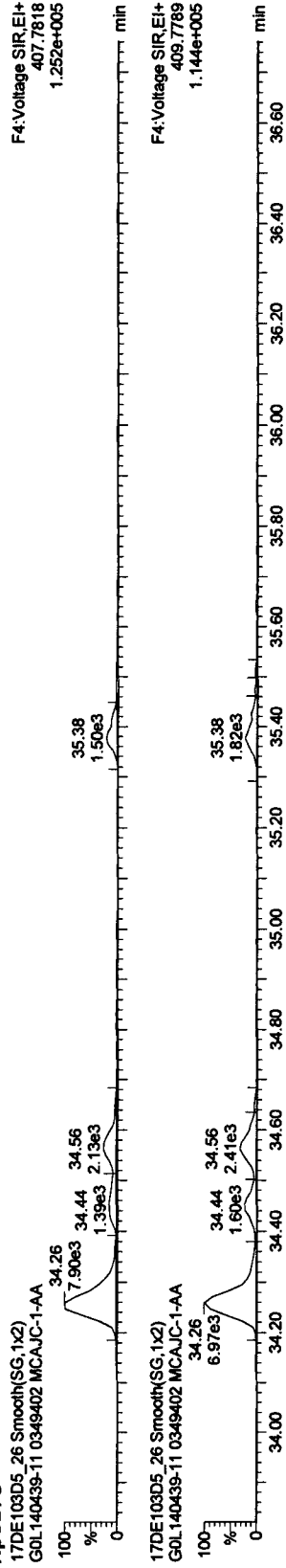
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

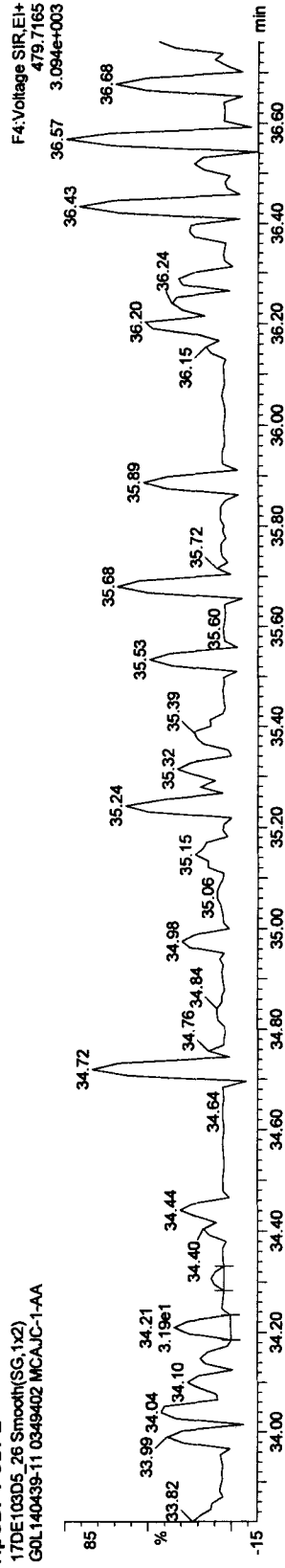
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: G0L140439-11 0349402

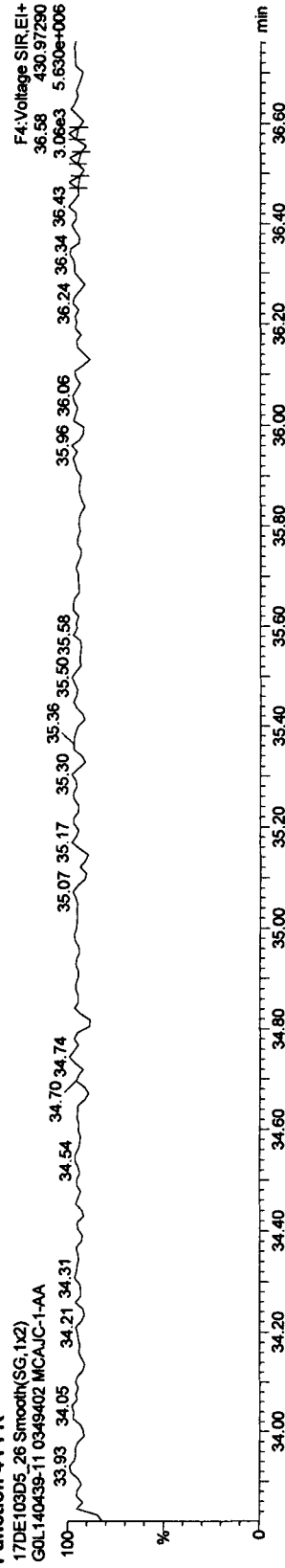
HpCDFs



HpCDF PCDFE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

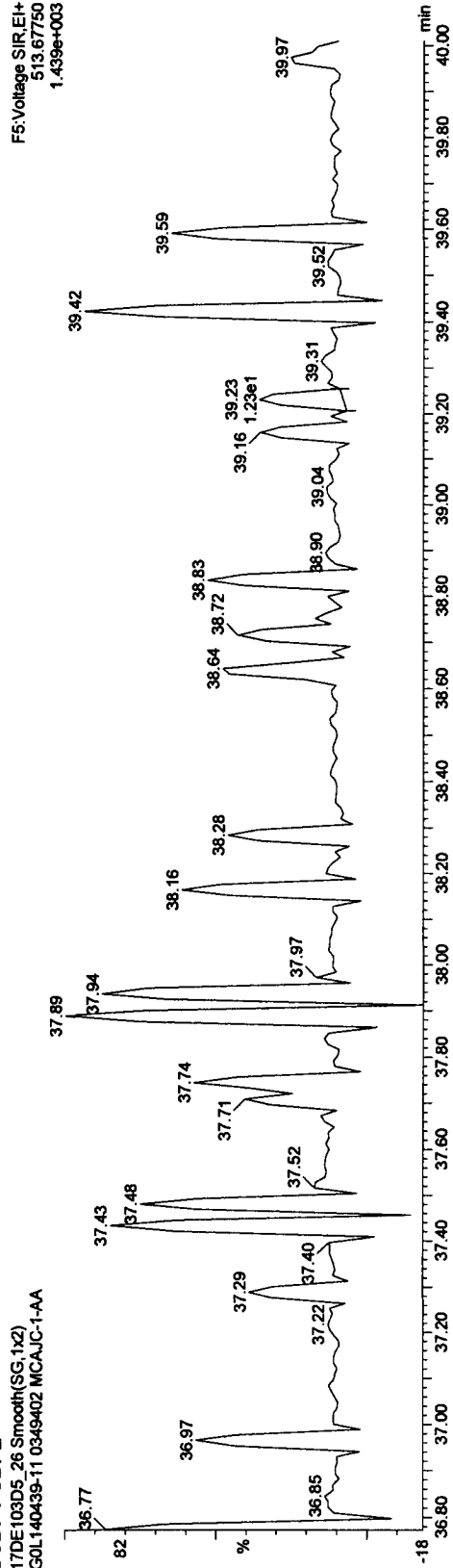
Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_26, Date: 18-Dec-2010, Time: 02:47:16, ID: MCAJC-1-AA, Description: GOL140439-11 0349402

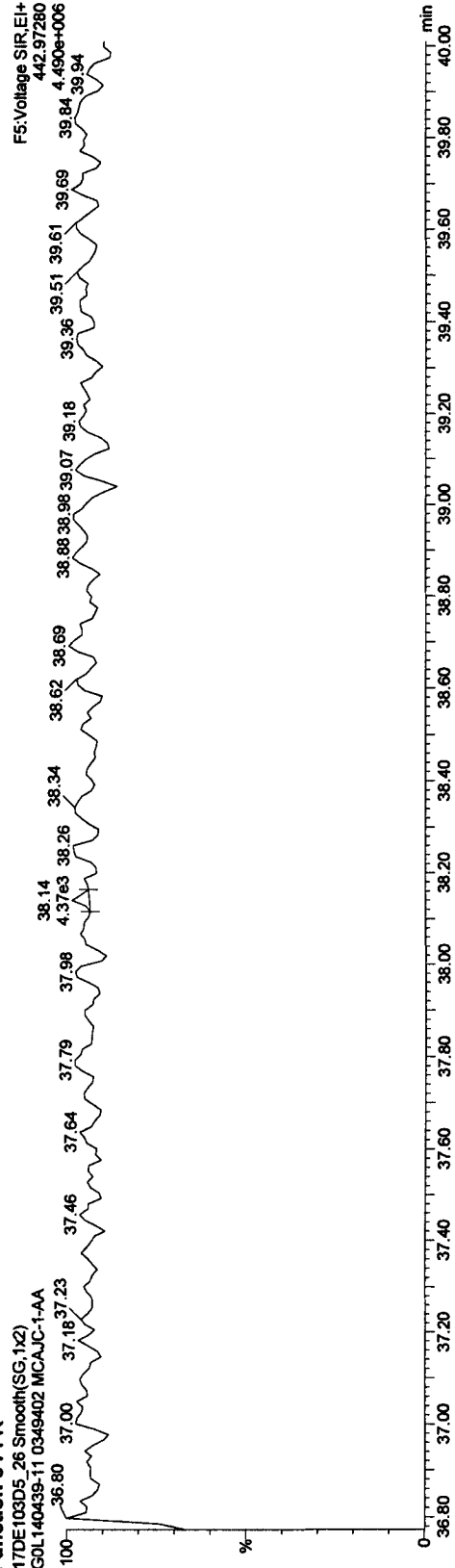
OCDF PCDPE

17DE103D5_26 Smooth(SG:1x2)
GOL140439-11 0349402 MCAJC-1-AA



Function 5 PFK

17DE103D5_26 Smooth(SG:1x2)
GOL140439-11 0349402 MCAJC-1-AA



Method ID T09
 Column ID DB5
 STD ID ST1217A, ST1218
 Analyzed by M.G.
 Std. Pkg. By M.G.
 Std. Pkg. Reviewed By JRB

Associated ICAL 1CA1020103D5T09
 Instrument ID 3D5
 STD Solution 10DXN505
 Date Analyzed 12/17/10, 12/18/10
 Date Std. Pkg. Assembled 12/18/10
 Date Std. Pkg. Reviewed 12/20/10

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?	✓ ①	✓ ①
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 standard acquired after recalibrating but not returning.

* Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.

Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.

Method 23: See Method 23 Daily Standard Criteria, Table 5.

Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet

Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:31:31 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 17DE103D5_16, Date: 17-Dec-2010, Time: 19:36:34, ID: ST1217A, Description: CS3 10DXN505

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	Mod D	Peak	Ratio Flag
1	13C-1,2,3,4-TCDD	1969509	18.70	18.70	1.00000	1.00000	100.00	-0.0	100.0		0.784	NO
2												
3	13C-2,3,7,8-TCDF	2792151	18.14	18.17	1.32993	1.41769	106.60	6.6	106.6		0.805	NO
4	2,3,7,8-TCDF	263055	18.16	18.16	0.97151	0.94212	9.70	-3.0	97.0		0.779	NO
5	Total TCDFs			21.44	0.97151		9.70					
6												
7	13C-2,3,7,8-TCDD	1928338	18.90	18.91	0.88993	0.97910	110.02	10.0	110.0		0.765	NO
8	2,3,7,8-TCDD	188000	18.91	18.93	1.00877	0.97494	9.66	-3.4	96.6		0.790	NO
9	Total TCDDs			19.55	1.00877		9.66					
10												
11	37CL-2,3,7,8-TCDD	126640	18.91	18.90	0.64940	0.65673	10.11	1.1	101.1			
12												
13	13C-1,2,3,7,8-PeCDF	2281331	23.50	23.54	0.97070	1.15832	119.33	19.3	119.3		1.579	NO
14	1,2,3,7,8-PeCDF	1191766	23.53	23.53	1.06912	1.04480	48.86	-2.3	97.7		1.598	NO
15	2,3,4,7,8-PeCDF	1145880	24.95	24.95	1.02843	1.00457	48.84	-2.3	97.7		1.590	NO
16	Total F2 PeCDFs			34.47	1.04877		97.70					
17	Total F1 PeCDFs			36.56	1.04877		0.01					
18												
19	13C-1,2,3,7,8-PeCDD	1705515	25.70	25.75	0.71523	0.86596	121.07	21.1	121.1		1.549	NO
20	1,2,3,7,8-PeCDD	735390	25.73	25.73	0.88408	0.86237	48.77	-2.5	97.5		1.571	NO
21	Total PeCDDs			31.10	0.88408		48.77					
22												
23	13C-1,2,3,7,8,9-HxCDD	1505023	32.69	32.74	1.00000	1.00000	100.00	0.0	100.0		1.236	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	1860235	31.37	31.38	1.08439	1.23602	113.98	14.0	114.0		0.529	NO
26	1,2,3,4,7,8-HxCDF	1035416	31.39	31.39	1.21851	1.11321	45.68	-8.6	91.4		1.227	NO
27	1,2,3,6,7,8-HxCDF	1171124	31.52	31.53	1.39626	1.25911	45.09	-9.8	90.2		1.238	NO
28	2,3,4,6,7,8-HxCDF	1065410	32.17	32.17	1.23749	1.14546	46.28	-7.4	92.6		1.267	NO
29	1,2,3,7,8,9-HxCDF	941197	32.89	32.87	1.07822	1.01191	46.93	-6.1	93.9		1.261	NO
30	Total HxCDFs			0.00	1.23262		183.97					
31												
32	13C-1,2,3,6,7,8-HxCDD	1560578	32.40	32.40	0.89448	1.03691	115.92	15.9	115.9		1.300	NO
33	1,2,3,4,7,8-HxCDD	716131	32.33	32.33	1.02768	0.91778	44.65	-10.7	89.3		1.248	NO
34	1,2,3,6,7,8-HxCDD	872553	32.41	32.41	1.11052	1.11824	50.35	0.7	100.7		1.248	NO
35	1,2,3,7,8,9-HxCDD	804031	32.70	32.70	1.11276	1.03043	46.30	-7.4	92.6		1.318	NO
36	Total HxCDDs			0.00	1.08365		141.30					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1396666	34.25	34.22	0.88081	0.92800	105.36	5.4	105.4		0.441	NO
39	1,2,3,4,6,7,8-HpCDF	992658	34.25	34.26	1.40167	1.42147	50.71	1.4	101.4		1.037	NO
40	1,2,3,4,7,8,9-HpCDF	831753	35.38	35.36	1.19912	1.19105	49.66	-0.7	99.3		1.072	NO
41	Total HpCDFs			0.00	1.30039		100.37					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1380455	35.06	35.02	0.85740	0.91723	106.98	7.0	107.0		1.044	NO
44	1,2,3,4,6,7,8-HpCDD	660488	35.06	35.07	0.98108	0.95691	48.77	-2.5	97.5		1.056	NO
45	Total HpCDDs			-0.01	0.98108		48.77					

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:31:31 Pacific Standard Time

Name: 17DE103D5_16, Date: 17-Dec-2010, Time: 19:36:34, ID: ST1217A, Description: CS3 10DXN505

Peak No	Retention	RI	Peak ID	RR	M	RR	Conc	SS	RR	RR	RR
47	13C-OCDD	2082785	37.53	37.45	0.64317	0.69194	215.17	7.6	107.6	0.901	NO
48	OCDF	1368892	37.64	37.64	1.47706	1.31448	88.99	-11.0	89.0	0.884	NO
49	OCDD	1171724	37.53	37.54	1.19620	1.12515	94.06	-5.9	94.1	0.932	NO
50											
51											
52	Function 1 PFK				0.00						
53	Function 2 PFK				0.00						
54	Function 3 PFK				0.00						
55	Function 4 PFK				0.00						
56	Function 5 PFK				0.00						
57	TCDF PCDPE			20.25	17.814...						
58	F1 PeCDF PCDPE			19.31	97.109...						
59	F2 PeCDF PCDPE	114	28.22	28.29	51.062...	113.74...	2.23	122.8	222.8		
60	HXCDF PCDPE			33.24	21.190...						
61	HPCDF PCDPE	38	34.20	34.27	39.173...	37.717...	0.96	-3.7	96.3		
62	OCDF PCDPE	33	39.17	39.16	27.302...	32.779...	1.20	20.1	120.1		

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:38:44 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\CA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

#	NAME	FOUND	REF	FOUND	REF	FOUND	REF	FOUND	REF	FOUND	REF	FOUND	REF
1	13C-1,2,3,4-TCDD	1695756	18.67	18.69	1.00000	1.00000	100.00	0.0	100.0	0.775		NO	
2													
3	13C-2,3,7,8-TCDF	2358168	18.13	18.17	1.32993	1.39063	104.56	4.6	104.6	0.790		NO	
4	2,3,7,8-TCDF	223426	18.14	18.14	0.97151	0.94746	9.75	-2.5	97.5	0.766		NO	
5	Total TCDFs			21.44	0.97151		9.75						
6													
7	13C-2,3,7,8-TCDD	1649258	18.88	18.88	0.88993	0.97258	109.29	9.3	109.3	0.789		NO	
8	2,3,7,8-TCDD	160368	18.90	18.90	1.00877	0.97236	9.64	-3.6	96.4	0.772		NO	
9	Total TCDDs			19.55	1.00877		9.64						
10													
11	37CL-2,3,7,8-TCDD	103205	18.90	18.89	0.64940	0.62577	9.64	-3.6	96.4				
12													
13	13C-1,2,3,7,8-PeCDF	1958949	23.49	23.51	0.97070	1.15521	119.01	19.0	119.0	1.605		NO	
14	1,2,3,7,8-PeCDF	1019618	23.52	23.52	1.06912	1.04098	48.68	-2.6	97.4	1.604		NO	
15	2,3,4,7,8-PeCDF	966594	24.94	24.94	1.02843	0.98685	47.98	-4.0	96.0	1.572		NO	
16	Total F2 PeCDFs			34.47	1.04877		96.66						
17	Total F1 PeCDFs			36.56	1.04877								
18													
19	13C-1,2,3,7,8-PeCDD	1435497	25.69	25.72	0.71523	0.84652	118.36	18.4	118.4	1.569		NO	
20	1,2,3,7,8-PeCDD	621404	25.71	25.71	0.88408	0.86577	48.96	-2.1	97.9	1.573		NO	
21	Total PeCDDs			31.10	0.88408		48.96						
22													
23	13C-1,2,3,7,8,9-HxCDD	1380981	32.68	32.74	1.00000	1.00000	100.00	0.0	100.0	1.281		NO	
24													
25	13C-1,2,3,4,7,8-HxCDF	1608096	31.36	31.36	1.08439	1.16446	107.38	7.4	107.4	0.531		NO	
26	1,2,3,4,7,8-HxCDF	917841	31.37	31.38	1.21851	1.14153	46.84	-6.3	93.7	1.245		NO	
27	1,2,3,6,7,8-HxCDF	1033905	31.51	31.51	1.39626	1.28587	46.05	-7.9	92.1	1.242		NO	
28	2,3,4,6,7,8-HxCDF	929565	32.16	32.15	1.23749	1.15611	46.71	-6.6	93.4	1.237		NO	
29	1,2,3,7,8,9-HxCDF	831360	32.88	32.86	1.07822	1.03397	47.95	-4.1	95.9	1.248		NO	
30	Total HxCDFs			0.00	1.23262		187.55						
31													
32	13C-1,2,3,6,7,8-HxCDD	1425073	32.38	32.38	0.89448	1.03193	115.37	15.4	115.4	1.250		NO	
33	1,2,3,4,7,8-HxCDD	623604	32.32	32.32	1.02768	0.87519	42.58	-14.8	85.2	1.208		NO	
34	1,2,3,6,7,8-HxCDD	779565	32.41	32.40	1.11052	1.09407	49.26	-1.5	98.5	1.230		NO	
35	1,2,3,7,8,9-HxCDD	725850	32.69	32.69	1.11276	1.01869	45.77	-8.5	91.5	1.247		NO	
36	Total HxCDDs			0.00	1.08365		137.61						
37													
38	13C-1,2,3,4,6,7,8-HpCDF	1371973	34.23	34.20	0.88081	0.99348	112.79	12.8	112.8	0.449		NO	
39	1,2,3,4,6,7,8-HpCDF	964197	34.25	34.25	1.40167	1.40556	50.14	0.3	100.3	1.046		NO	
40	1,2,3,4,7,8,9-HpCDF	801136	35.36	35.35	1.19912	1.16786	48.70	-2.6	97.4	1.030		NO	
41	Total HpCDFs			0.00	1.30039		98.84						
42													
43	13C-1,2,3,4,6,7,8-HpCDD	1347361	35.05	35.01	0.85740	0.97565	113.79	13.8	113.8	1.093		NO	
44	1,2,3,4,6,7,8-HpCDD	642185	35.05	35.06	0.98108	0.95325	48.58	-2.8	97.2	1.065		NO	
45	Total HpCDDs			-0.02	0.98108		48.58						

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:38:44 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	Mod D	Ratio	Ratio Flag
47	13C-OCDD	2081549	37.52	37.44	0.64317	0.75365	234.36	17.2	117.2		0.921	NO
48	OCDF	1361904	37.62	37.62	1.47706	1.30855	88.59	-11.4	88.6		0.887	NO
49	OCDD	1158338	37.52	37.53	1.19620	1.11296	93.04	-7.0	93.0		0.879	NO
50												
51												
52	Function 1 PFK				0.00							
53	Function 2 PFK				0.00							
54	Function 3 PFK				0.00							
55	Function 4 PFK				0.00							
56	Function 5 PFK				0.00							
57	TCDF PCDPE			20.25	17.814...							
58	F1 PeCDF PCDPE	193	19.28	19.31	97.109...	192.52...	1.98	98.3	198.3			
59	F2 PeCDF PCDPE			28.29	51.062...							
60	HXCDF PCDPE	14	33.26	33.24	21.190...	14.057...	0.66	-33.7	66.3			
61	HPCDF PCDPE	6	34.25	34.27	39.173...	6.02600	0.15	-84.6	15.4			
62	OCDF PCDPE	31	39.12	39.16	27.302...	30.735...	1.13	12.6	112.6			

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\17DE103D5.SPL
 Last Modified: Friday, December 17, 2010 15:51:51 Pacific Standard Time
 Printed: Friday, December 17, 2010 15:52:04 Pacific Standard Time

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Page Position (1, 1)

File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle	
1	17DE103D5_1	DB-5 CPSM 10LRES076	CP1217	---	---	1.000000	---	Tray01:1
2	17DE103D5_2	CS3 10DXN505	ST1217	---	---	1.000000	---	Tray01:2
3	17DE103D5_3	G0L130000-261B 0347261	MA9F0-1-AA	8290/Solid	38	10.000000	g	Tray01:5
4	17DE103D5_4	G0L100654-1 0347261	MA7W0-1-AC	8290/Solid	38	10.360000	g	Tray01:6
5	17DE103D5_5	G0L100654-2 0347261	MA7W8-1-AC	8290/Solid	38	10.080000	g	Tray01:7
6	17DE103D5_6	G0L100654-3 0347261	MA7W9-1-AC	8290/Solid	38	10.490000	g	Tray01:8
7	17DE103D5_7	G0L100654-4 0347261	MA7XC-1-AC	8290/Solid	38	10.960000	g	Tray01:9
8	17DE103D5_8	G0L100654-5 0347261	MA7XD-1-AC	8290/Solid	38	10.490000	g	Tray01:10
9	17DE103D5_9	G0L100654-5S 0347261	MA7XD-1-AD	8290/Solid	38	10.610000	g	Tray01:11
10	17DE103D5_10	G0L100654-5D 0347261	MA7XD-1-AE	8290/Solid	38	10.220000	g	Tray01:12
11	17DE103D5_11	G0L100654-6 0347261	MA7XH-1-AC	8290/Solid	38	10.070000	g	Tray01:13
12	17DE103D5_12	G0L100654-7 0347261	MA7XK-1-AC	8290/Solid	38	10.210000	g	Tray01:14
13	17DE103D5_13	G0L100654-8 0347261	MA7XL-1-AC	8290/Solid	38	10.810000	g	Tray01:15
14	17DE103D5_14	G0L100654-9 0347261	MA7XM-1-AC	8290/Solid	38	10.050000	g	Tray01:16
15	17DE103D5_15	G0L130000-261C 0347261	MA9F0-1-AC	8290/Solid	38	10.000000	g	Tray01:17
16	17DE103D5_16	CS3 10DXN505	ST1217A	---	---	1.000000	---	Tray01:2
17	17DE103D5_17	DB-5 CPSM 10LRES076	CP1217A	---	---	1.000000	---	Tray01:1
18	17DE103D5_18	G0L150000-402B 0349402	MCEK8-1-AA	TO9/Air	41	0.500000	Samp	Tray01:18
19	17DE103D5_19	A0L060413-1 RI 0350417	MAWW0-1-AT	8290/Solid	34	10.200000	g	Tray01:24
20	17DE103D5_20	G0L090584-1 0346011	MA5CC-1-AA	1613B/Water	38	0.910800	L	Tray01:23
21	17DE103D5_21	G0L110435-1 0349419	MA8CJ-1-AK	8290/Water	40	1.016110	L	Tray01:26
22	17DE103D5_22	G0L110435-2 0349419	MA8CK-1-AK	8290/Water	40	1.016920	L	Tray01:27
23	17DE103D5_23	G0L140439-2 0349402	MCAHW-1-AA	TO9/Air	41	0.500000	Samp	Tray01:19
24	17DE103D5_24	G0L140439-5 0349402	MCAH3-1-AA	TO9/Air	41	0.500000	Samp	Tray01:20
25	17DE103D5_25	G0L140439-8 0349402	MCAH7-1-AA	TO9/Air	41	0.500000	Samp	Tray01:21
26	17DE103D5_26	G0L140439-11 0349402	MCAJC-1-AA	TO9/Air	41	0.500000	Samp	Tray01:22
27	17DE103D5_27	G0L100654-3 0347261	MA7W9-1-AC	8290/Solid	38	10.490000	g	Tray01:8
28	17DE103D5_28	G0L090579-1 0344236	MA5AW-1-AA	8290/Solid	37	10.500000	g	Tray01:25
29	17DE103D5_29	G0L150000-402C 0349402	MCEK8-1-AC	TO9/Air	41	0.500000	Samp	Tray01:28
30	17DE103D5_30	G0L150000-402L 0349402	MCEK8-1-AD	TO9/Air	41	0.500000	Samp	Tray01:29
31	17DE103D5_31	CS3 10DXN505	ST1217B	---	---	1.000000	---	Tray01:2
32	17DE103D5_32	DB-5 CPSM 10LRES076	CP1217B	---	---	1.000000	---	Tray01:1

lost lock
 JRB 12/20/10

Log file
 reviewed
 12-18-10 LM

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\18DE103D5.SPL
 Last Modified: Saturday, December 18, 2010 19:34:17 Pacific Standard Time
 Printed: Saturday, December 18, 2010 19:34:23 Pacific Standard Time

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Page Position (1, 1)

	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units
1	18DE103D5_1	CS3 10DXN505	ST1218	---	---	1.000000	---
2	18DE103D5_2	DB-5 CPSM 10LRES076	CP1218	---	---	1.000000	---
3	18DE103D5_3	G0L150000-418B 0349418	MCENP-1-AA	8290/Water	40	1.000000	L
4	18DE103D5_4	G0L140573-5 0349418	MCCWQ-1-AA	8290/Water	40	1.011600	L
5	18DE103D5_5	G0L150000-418C 0349418	MCENP-1-AC	8290/Water	40	1.000000	L
6	18DE103D5_6	G0L100654-3 (5x) 0347261	MA7W9-1-AC	8290/Solid	38	10.490000	g
7	18DE103D5_7	G0L150000-402L 0349402	MCEK8-1-AD	TO9/Air	41	0.500000	Samp
8	18DE103D5_8	G0L090588-1MB 0349406	MCELM-1-AA	23/Air	41	0.333333	Samp
9	18DE103D5_9	G0L090588-1 0349406	MA5C2-1-AC	23/Air	41	0.333333	Samp
10	18DE103D5_10	G0L090588-1LCS 0349406	MCELM-1-AC	23/Air	41	0.333333	Samp
11	18DE103D5_11	G0L160000-424B 0350424	MCGGV-1-AA	1613B/Water	41	1.000000	L
12	18DE103D5_12	G0L140565-1 0350424	MCCGP-1-AA	1613B/Water	41	1.022540	L
13	18DE103D5_13	G0L160000-424C 0350424	MCGGV-1-AC	1613B/Water	41	1.000000	L
14	18DE103D5_14	G0L160000-424L 0350424	MCGGV-1-AD	1613B/Water	41	1.000000	L
15	18DE103D5_15	CS3 10DXN505	ST1218A	---	---	1.000000	---
16	18DE103D5_16	DB-5 CPSM 10LRES076	CP1218A	---	---	1.000000	---
17	18DE103D5_17	CS3 10DXN505	ST1218B	---	---	1.000000	---
18	18DE103D5_18	G0L160000-429B 0350429	MCGG3-1-AA	8290/Water	41	1.000000	L
19	18DE103D5_19	G0L150537-1 0350424	MCEAK-1-AA	1613B/Water	41	1.006650	L
20	18DE103D5_20	G0L140569-10 0350429	MCCVP-1-AA	8290/Water	41	1.016530	L
21	18DE103D5_21	G0L150491-8 0350429	MCD2H-1-AA	8290/Water	41	1.014110	L
22	18DE103D5_22	G0L160000-429C 0350429	MCGG3-1-AC	8290/Water	41	1.000000	L
23	18DE103D5_23	G0L150000-234B 0349234	MCDM5-1-AA	8290/Solid	40	10.000000	g
24	18DE103D5_24	G0L140573-1 0349238	MCCWE-1-AA	8290/Solid	40	10.500000	g
25	18DE103D5_25	G0L140573-2 0349238	MCCWH-1-AA	8290/Solid	40	10.650000	g
26	18DE103D5_26	G0L140573-3 0349238	MCCWK-1-AA	8290/Solid	40	10.810000	g
27	18DE103D5_27	G0L140573-4 0349238	MCCWP-1-AA	8290/Solid	40	10.470000	g
28	18DE103D5_28	G0L140497-1 0350427	MCA70-1-AA	1613BT/Water	41	1.014050	L
29	18DE103D5_29	G0L140572-1 0350429	MCCWF-1-AA	8290T/Water	41	1.018070	L
30	18DE103D5_30	G0L150000-234C 0349234	MCDM5-1-AC	8290/Solid	40	10.000000	g
31	18DE103D5_31	CS3 10DXN505	ST1218C	---	---	1.000000	---
32	18DE103D5_32	DB-5 CPSM 10LRES076	CP1218B	---	---	1.000000	---
33	18DE103D5_33	G0L150491-1MB 0350409	MCGE7-1-AA	8290/Solid	41	10.000000	g
34	18DE103D5_34	G0L140569-1 0349234	MCC7-1-AA	8290/Solid	40	10.270000	g
35	18DE103D5_35	G0L140569-2 0349234	MCCVA-1-AA	8290/Solid	40	10.820000	g
36	18DE103D5_36	G0L140569-3 0349234	MCCVD-1-AA	8290/Solid	40	10.300000	g
37	18DE103D5_37	G0L140569-4 0349234	MCCVE-1-AA	8290/Solid	40	10.990000	g
38	18DE103D5_38	G0L140569-5 0349234	MCCVF-1-AA	8290/Solid	40	10.330000	g
39	18DE103D5_39	G0L140569-6 0349234	MCCVJ-1-AA	8290/Solid	40	10.690000	g
40	18DE103D5_40	G0L140569-7 0349234	MCCVK-1-AA	8290/Solid	40	10.800000	g
41	18DE103D5_41	G0L140569-8 0349234	MCCVL-1-AA	8290/Solid	40	10.710000	g
42	18DE103D5_42	G0L140569-9 0349234	MCCVN-1-AA	8290/Solid	40	10.610000	g
43	18DE103D5_43	G0L140572-2 0350429	MCCWJ-1-AA	8290T/Water	41	1.011700	L
44	18DE103D5_44	G0L140572-3 0350429	MCCWL-1-AA	8290T/Water	41	1.009810	L
45	18DE103D5_45	G0L150491-1LCS 0350409	MCGE7-1-AC	8290/Solid	41	10.610000	g
46	18DE103D5_46	CS3 10DXN505	ST1218D	---	---	1.000000	---
47	18DE103D5_47	DB-5 CPSM 10LRES076	CP1218C	---	---	1.000000	---
48	18DE103D5_48	G0L150549-1MB 0350431	MCGHC-1-AA	1613BT/Water	41	1.000000	L
49	18DE103D5_49	G0L150491-1 0350409	MCD1N-1-AA	8290/Solid	41	10.000000	g
50	18DE103D5_50	G0L150491-2 0350409	MCD1R-1-AA	8290/Solid	41	10.000000	g
51	18DE103D5_51	G0L150491-3 0350409	MCD1T-1-AA	8290/Solid	41	10.000000	g
52	18DE103D5_52	G0L150491-4 0350409	MCD1V-1-AA	8290/Solid	41	10.000000	g
53	18DE103D5_53	G0L150491-5 0350409	MCD1X-1-AA	8290/Solid	41	10.000000	g
54	18DE103D5_54	G0L150491-6 0350409	MCD17-1-AA	8290/Solid	41	10.000000	g
55	18DE103D5_55	G0L150491-6S 0350409	MCD17-1-AD	8290/Solid	41	10.000000	g
56	18DE103D5_56	G0L150491-6D 0350409	MCD17-1-AE	8290/Solid	41	10.000000	g
57	18DE103D5_57	G0L150491-7 0350409	MCD2D-1-AA	8290/Solid	41	10.000000	g
58	18DE103D5_58	G0L140572-4 0350429	MCCWM-1-AA	8290T/Water	41	1.004480	L

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\17DE103D5.SPL
Last Modified: Friday, December 17, 2010 15:51:51 Pacific Standard Time
Printed: Friday, December 17, 2010 15:52:04 Pacific Standard Time

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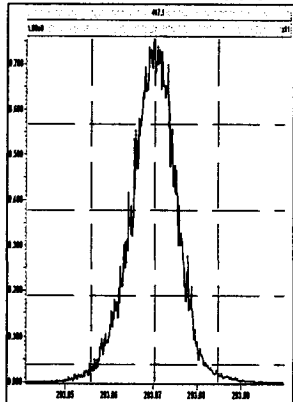
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Last Modified: Friday, December 17, 2010 15:51:51 Pacific Standard Time
Printed: Friday, December 17, 2010 15:52:04 Pacific Standard Time

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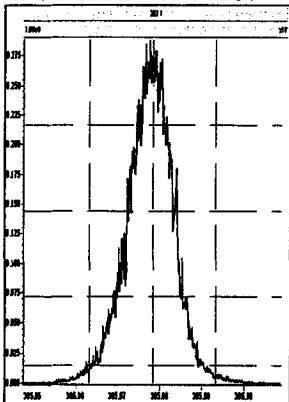
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Printed: Friday, December 17, 2010 08:40:03 Pacific Standard Time

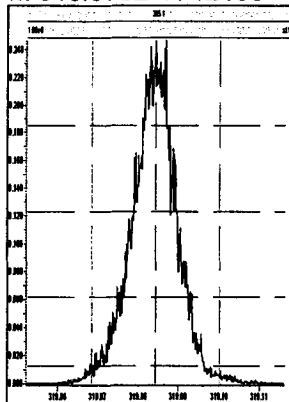
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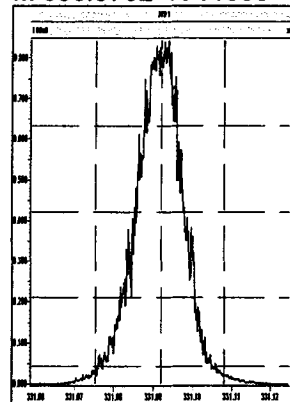
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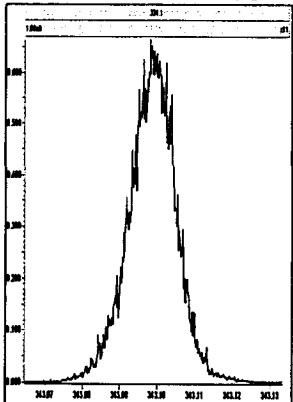
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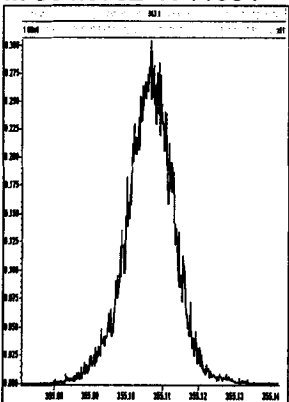
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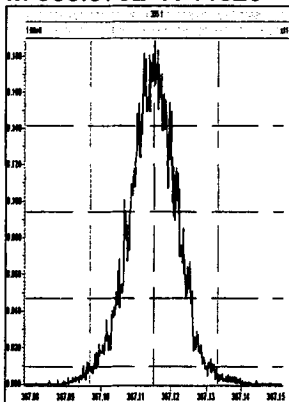
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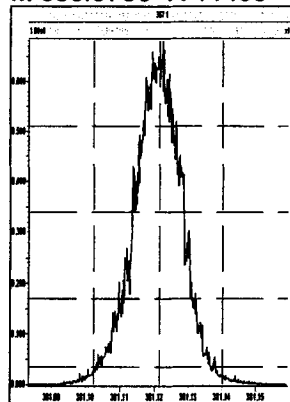
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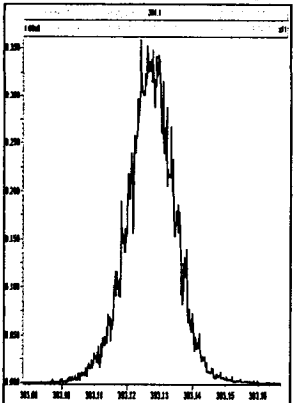
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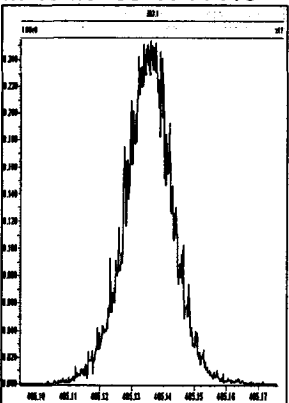
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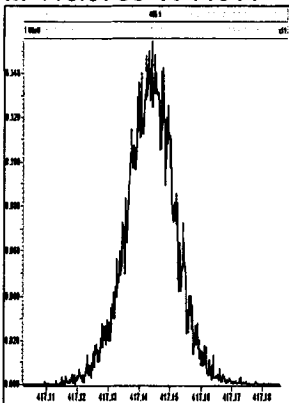
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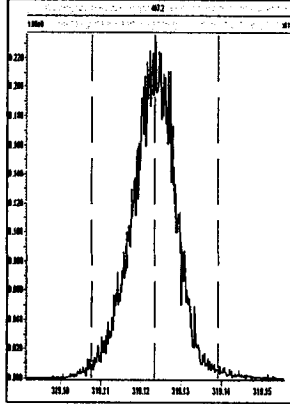
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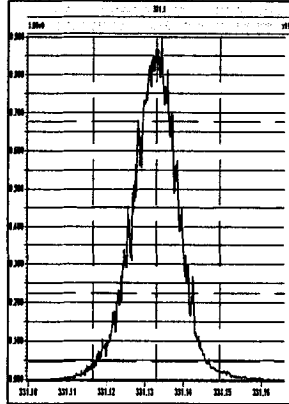
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Printed: Friday, December 17, 2010 08:42:11 Pacific Standard Time

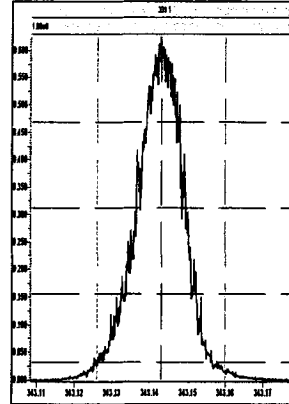
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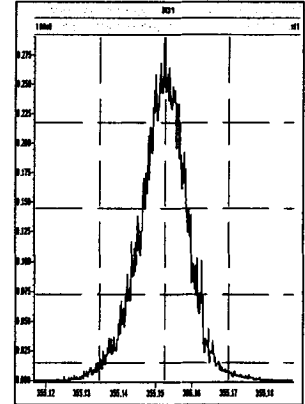
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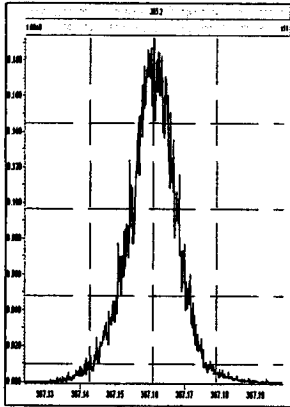
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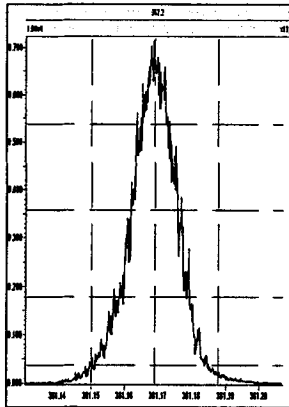
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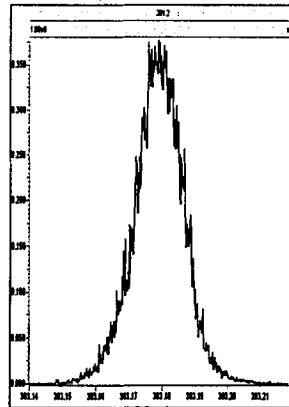
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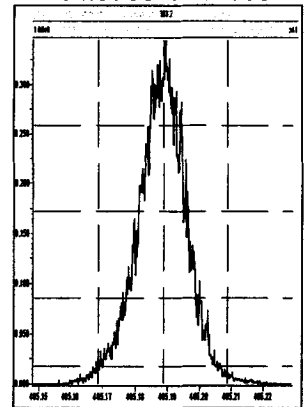
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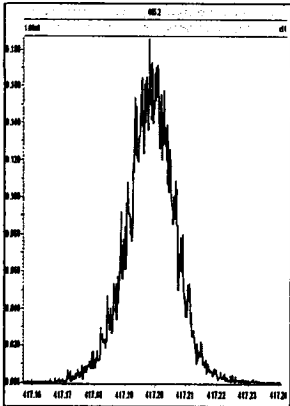
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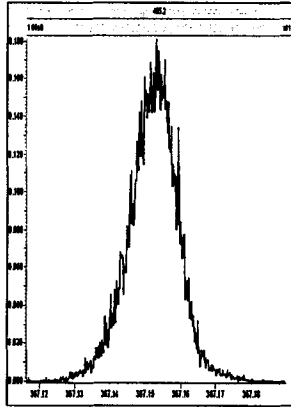
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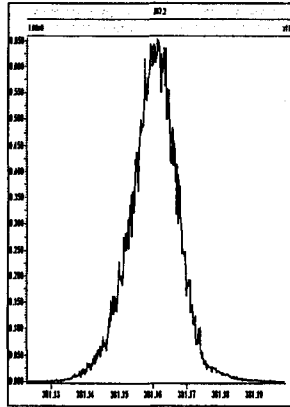
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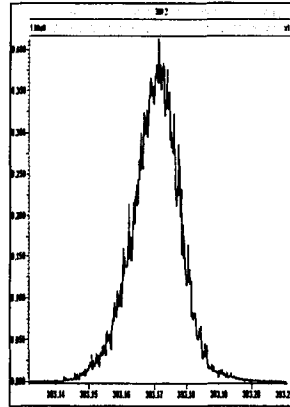
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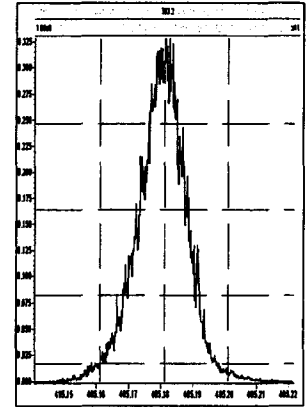
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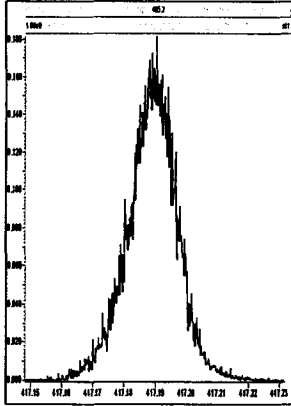
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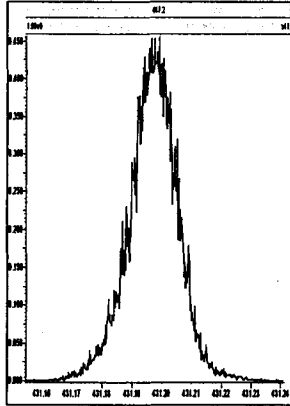
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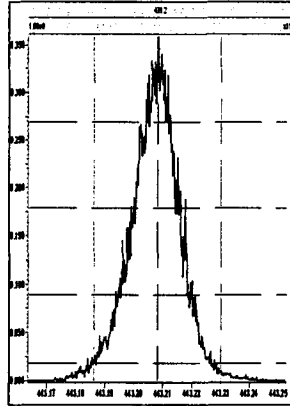
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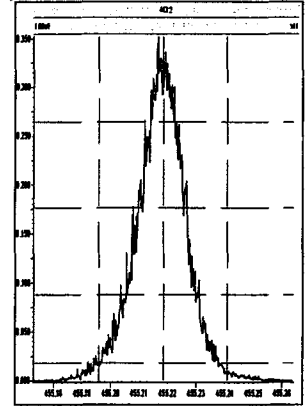
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M 442.9728 R 10547



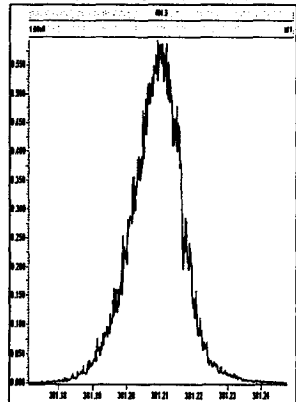
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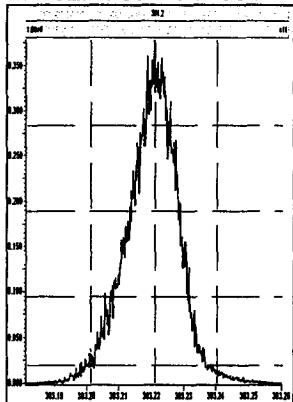
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Printed: Friday, December 17, 2010 08:44:13 Pacific Standard Time

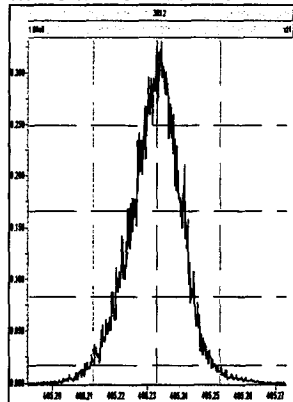
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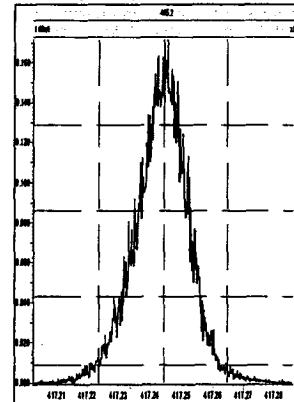
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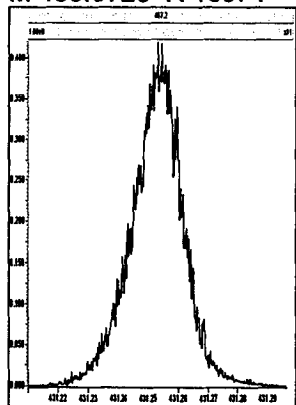
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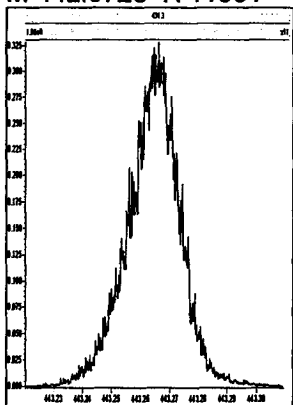
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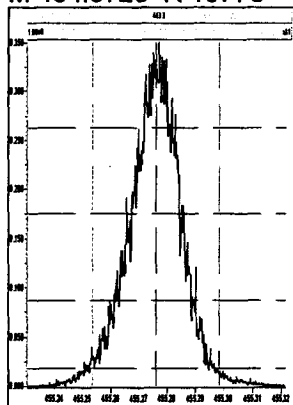
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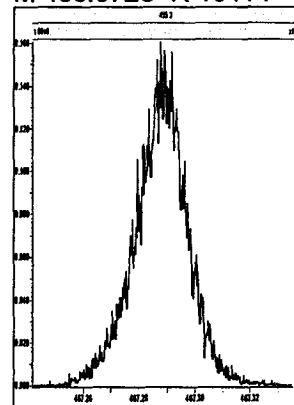
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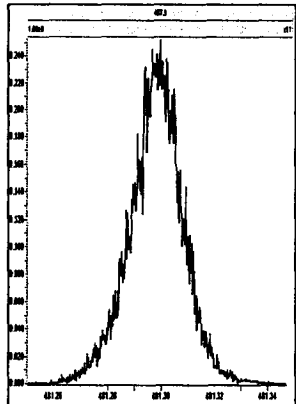
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M 466.9728 R 10414



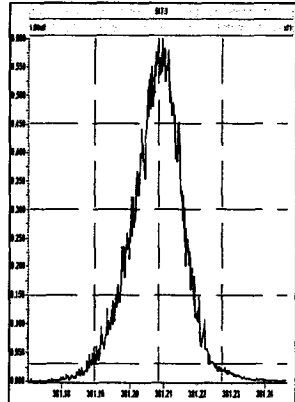
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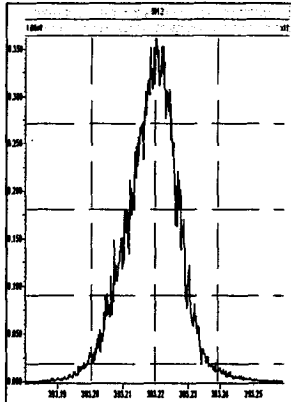
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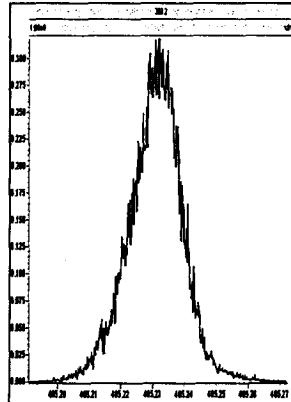
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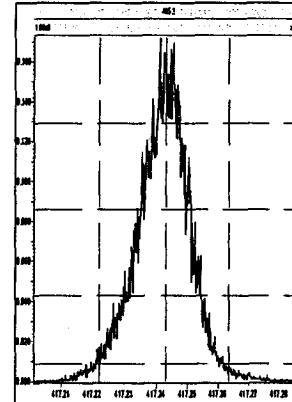
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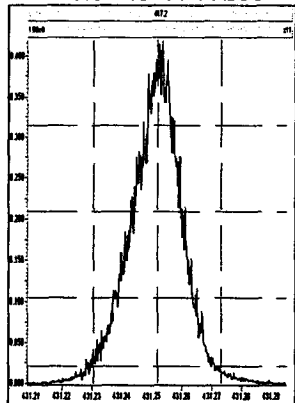
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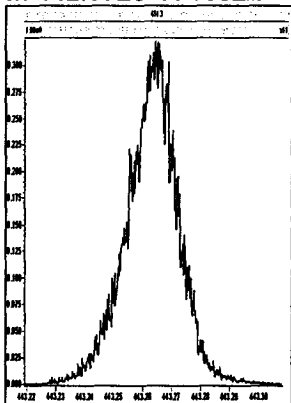
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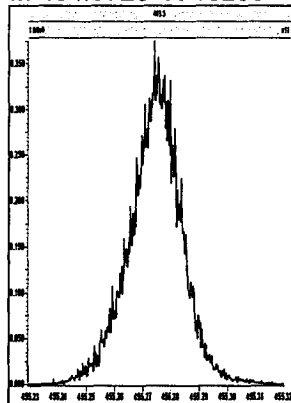
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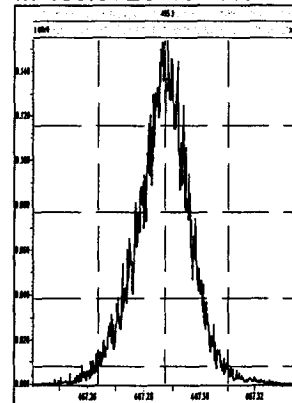
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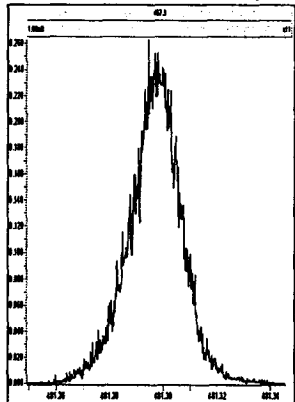
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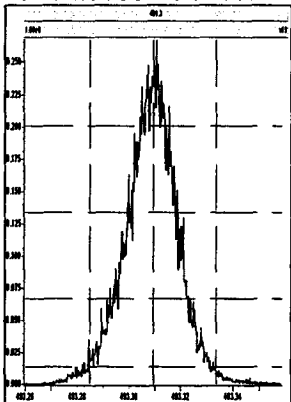
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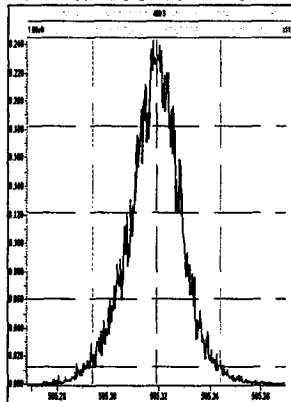
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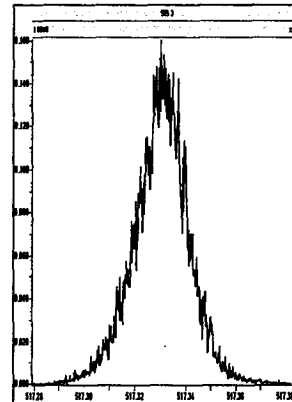
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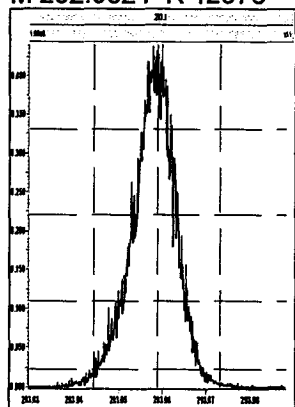
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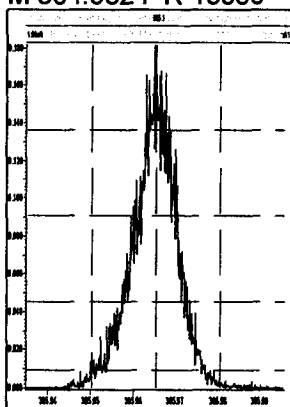
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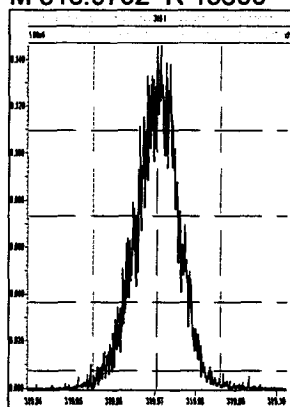
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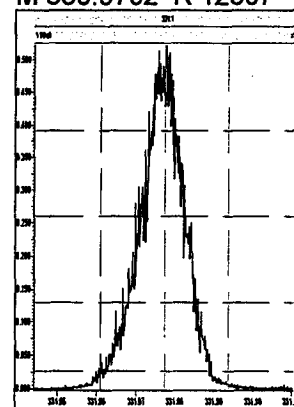
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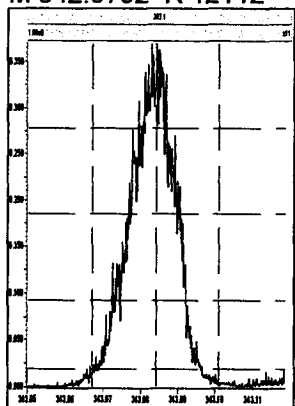
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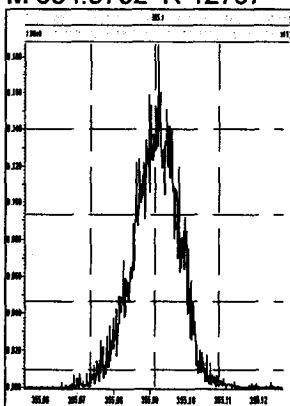
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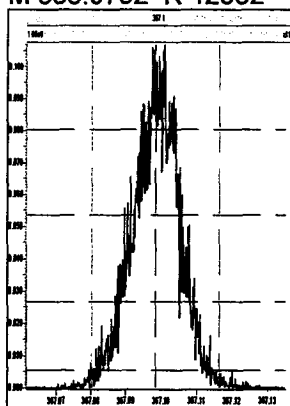
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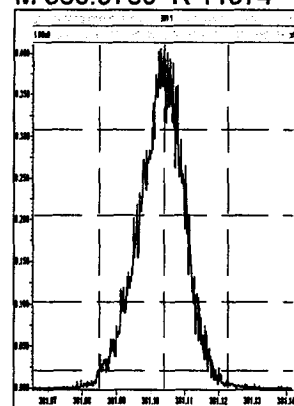
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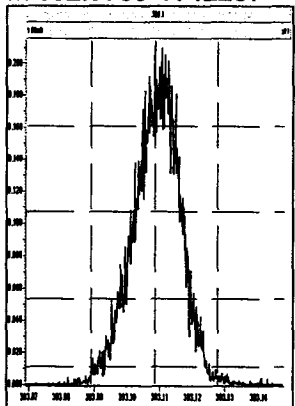
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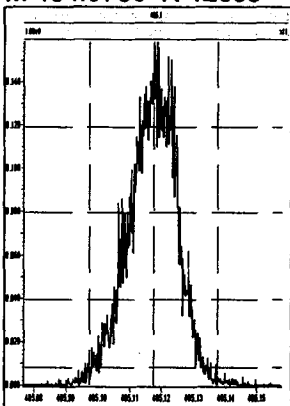
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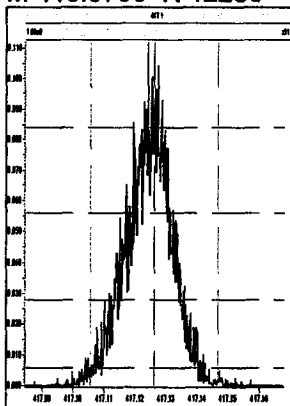
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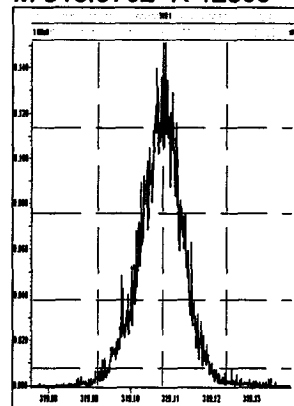
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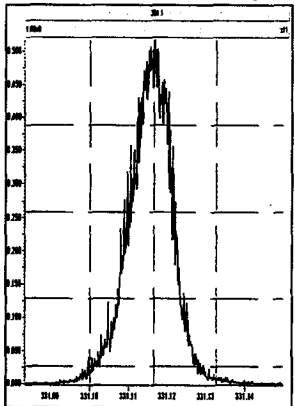
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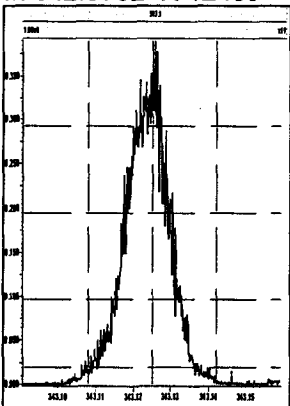
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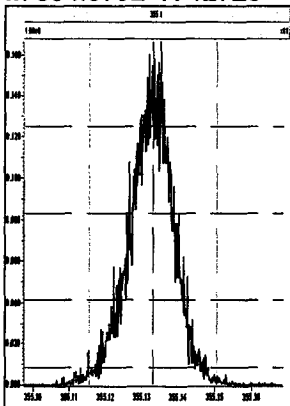
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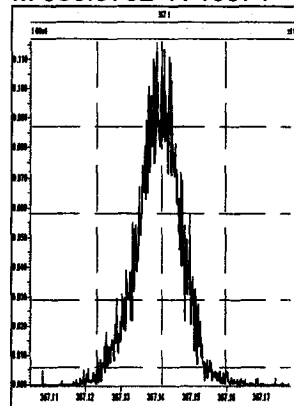
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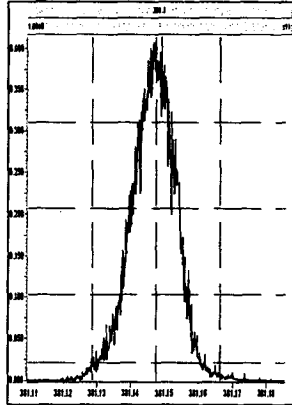
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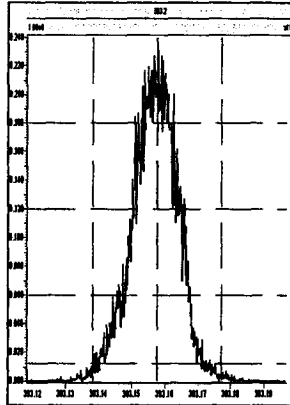
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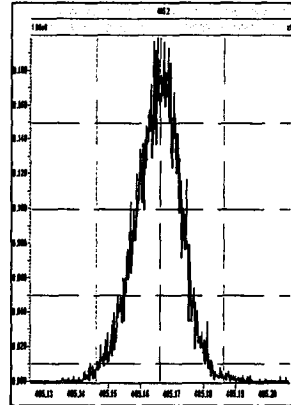
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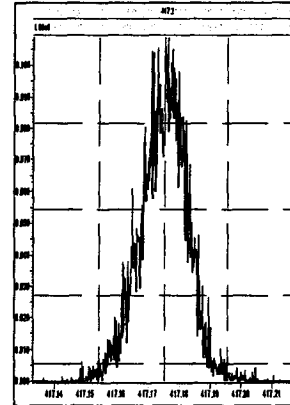
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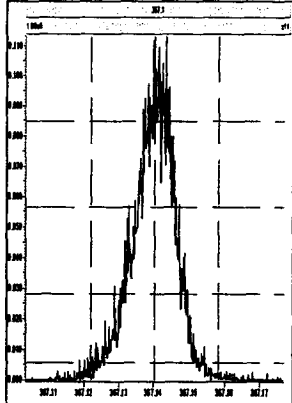
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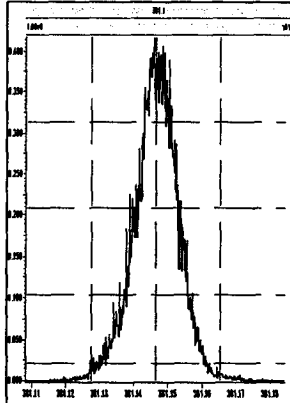
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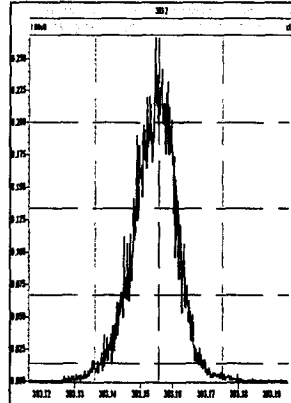
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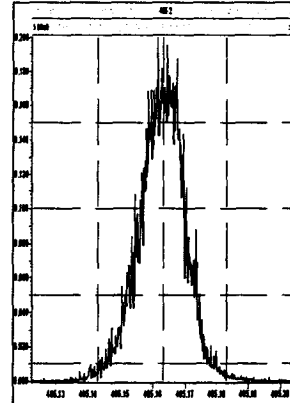
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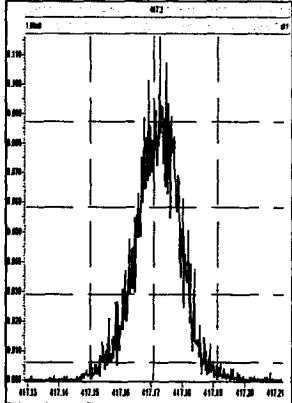
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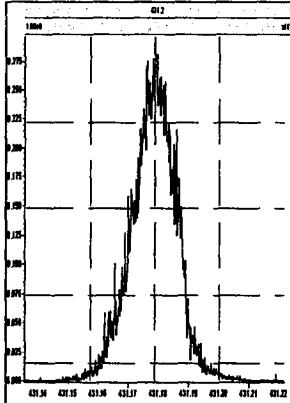
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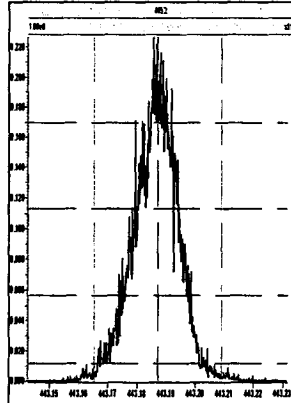
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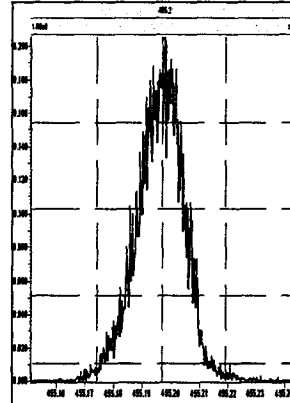
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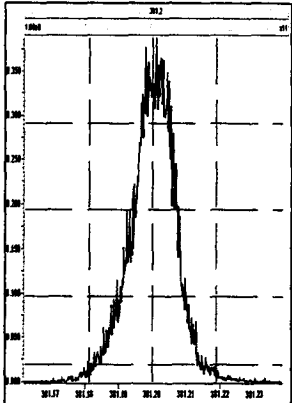
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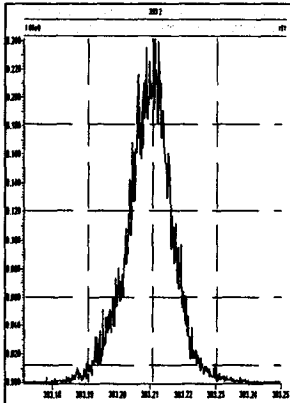
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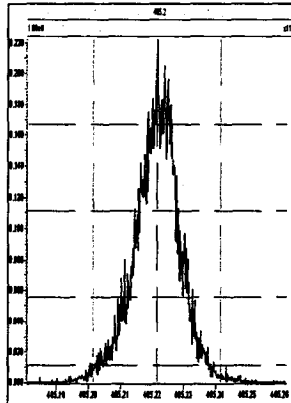
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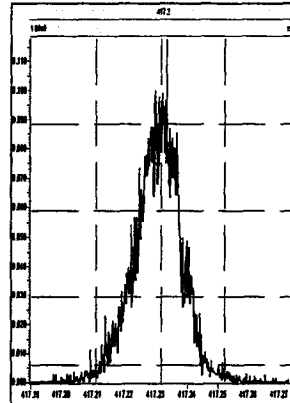
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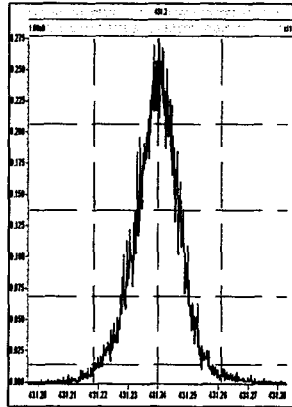
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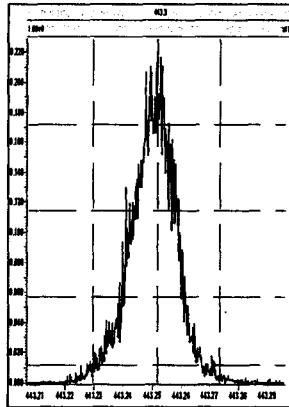
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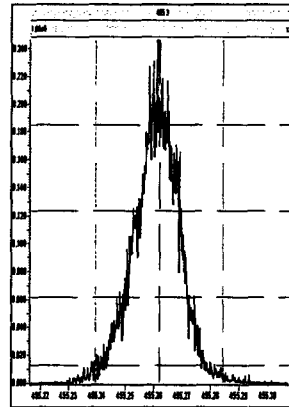
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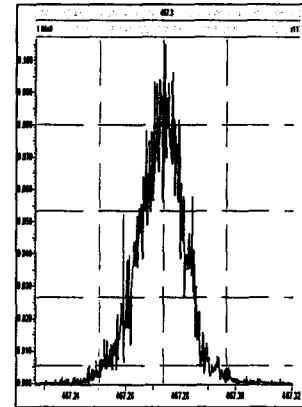
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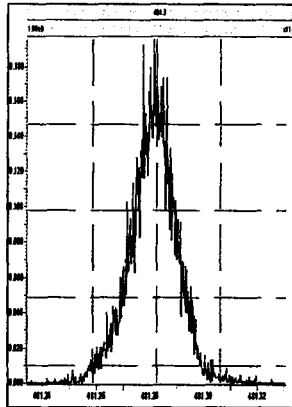
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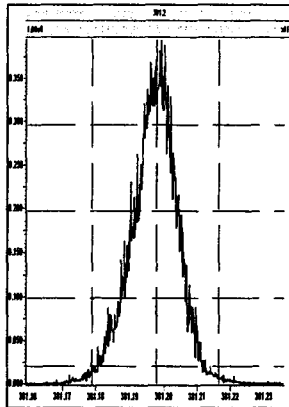
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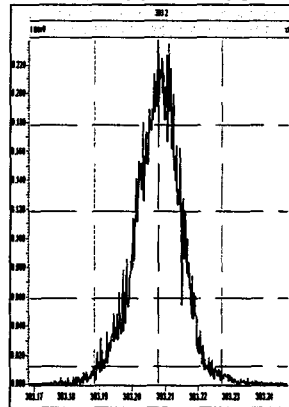
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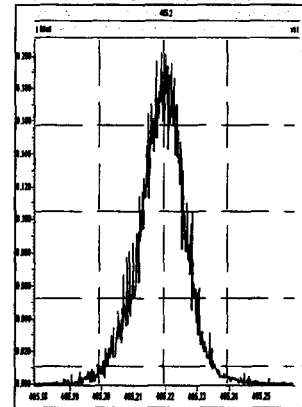
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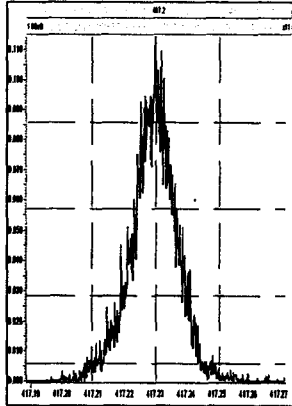
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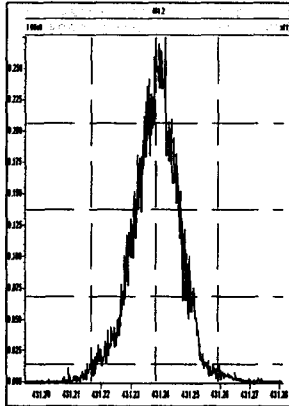
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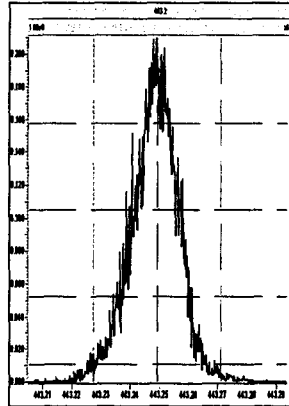
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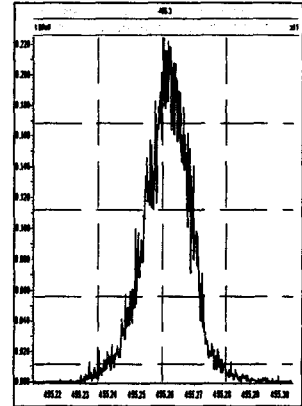
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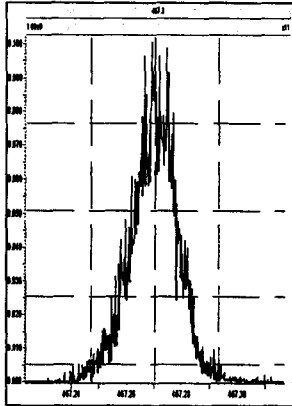
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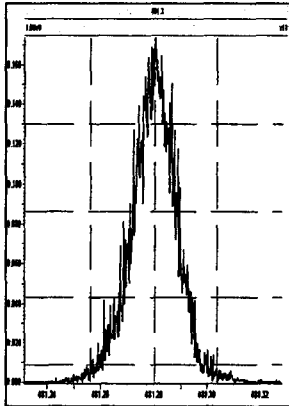
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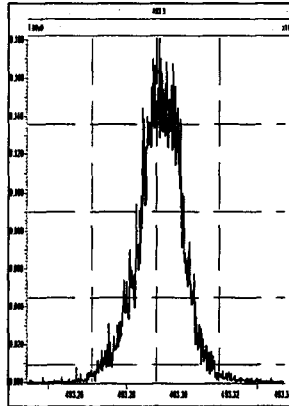
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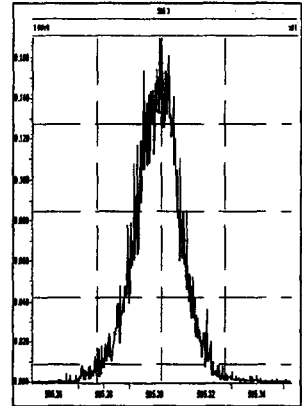
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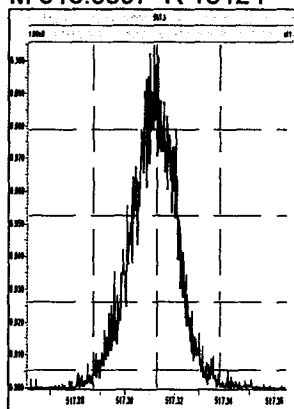
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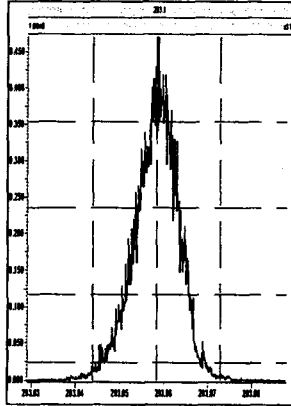
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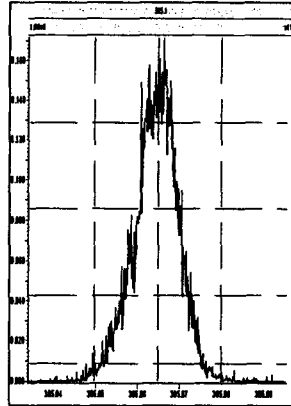
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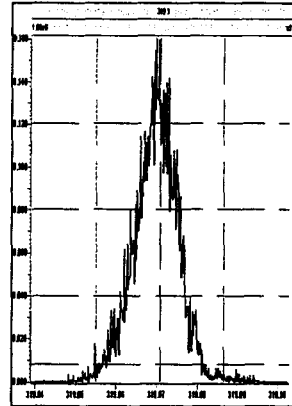
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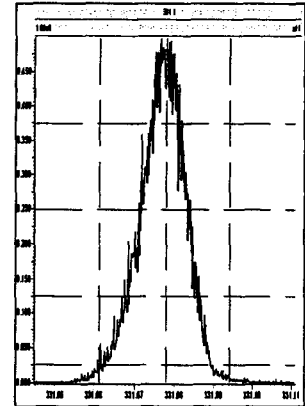
M 304.9824 R 12723



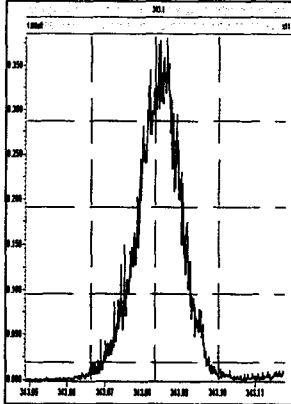
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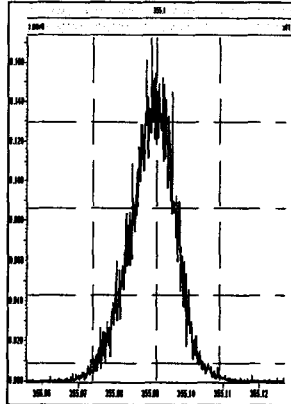
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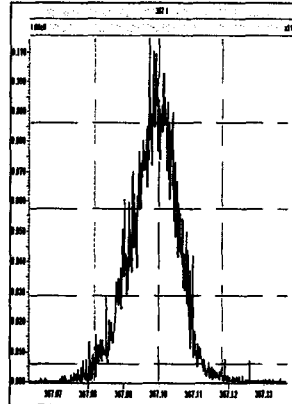
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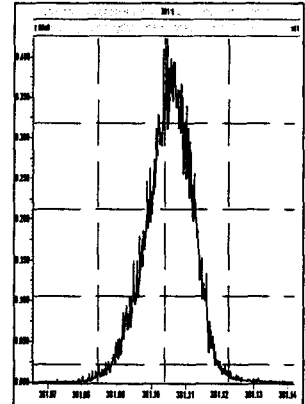
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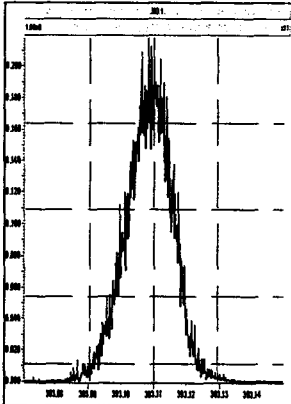
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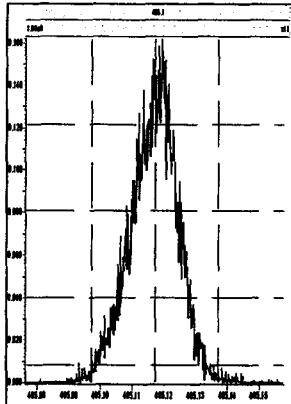
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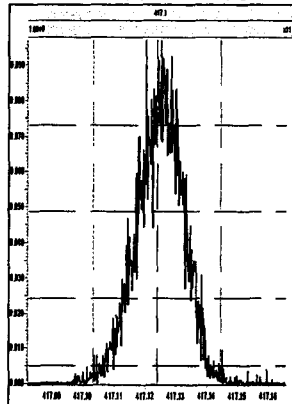
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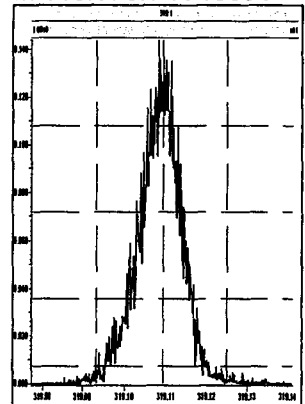
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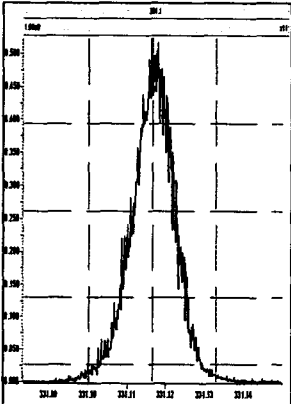
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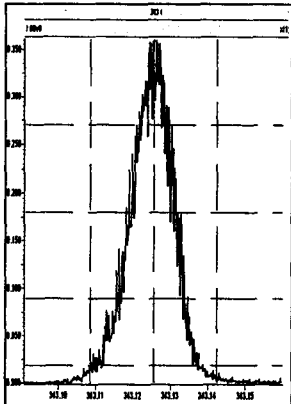
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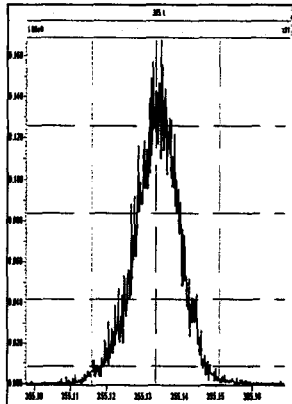
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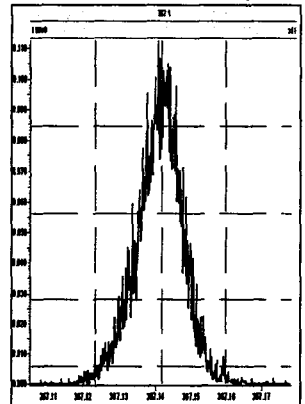
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M 354.9792 R 12867

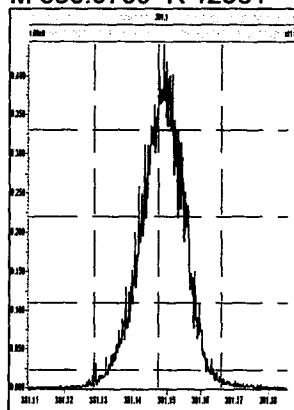


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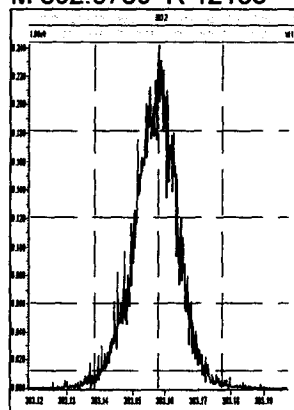


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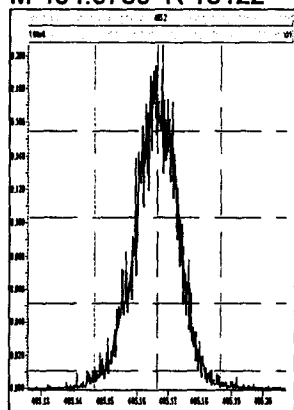
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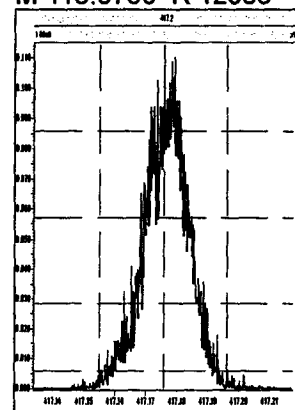
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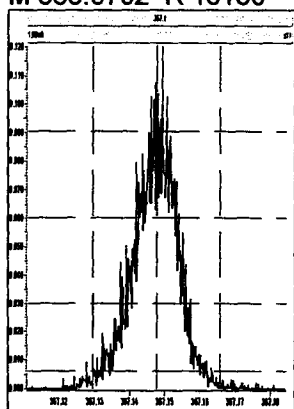
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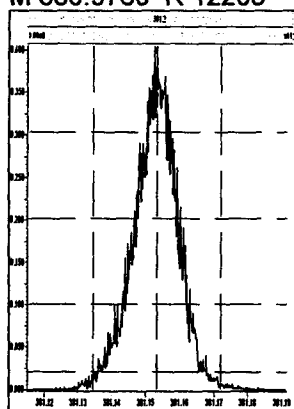
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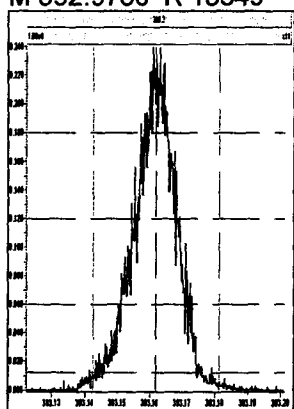
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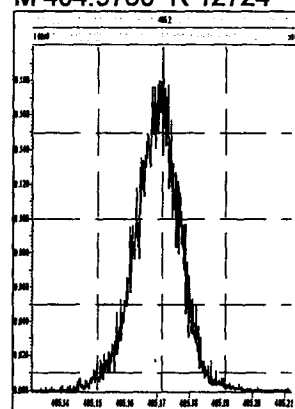
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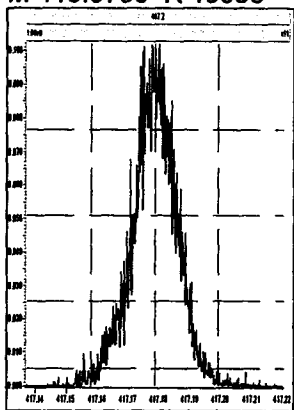
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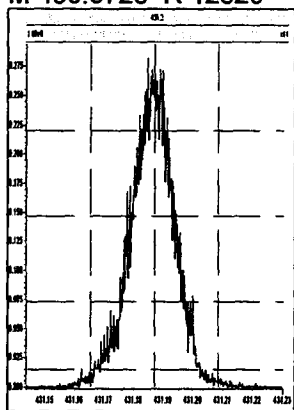
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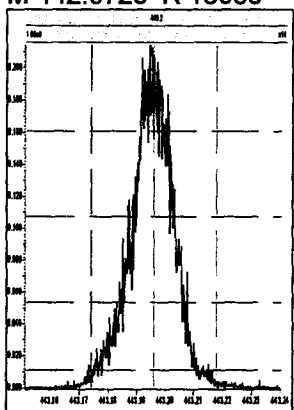
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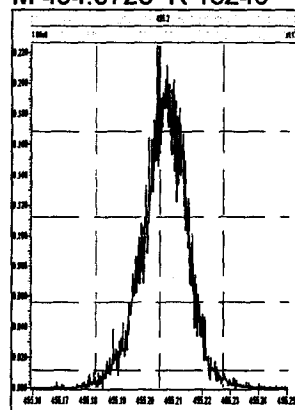
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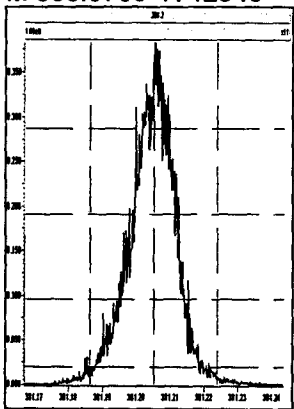
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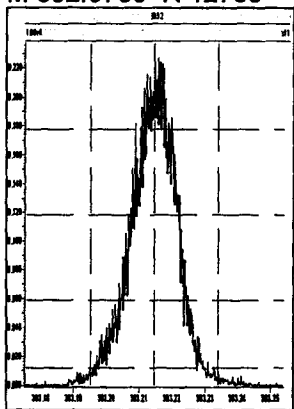
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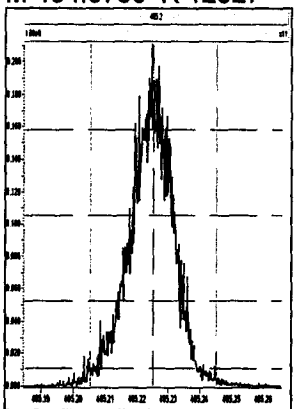
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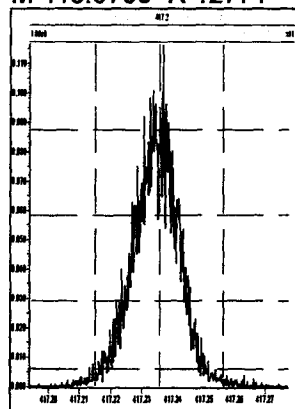
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M 404.9760 R 12627

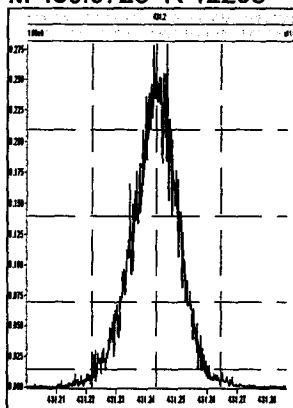


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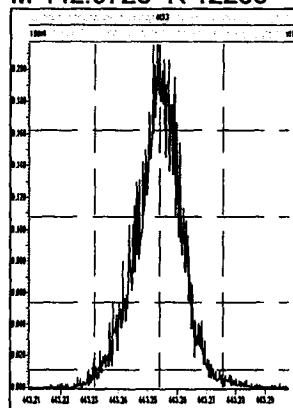


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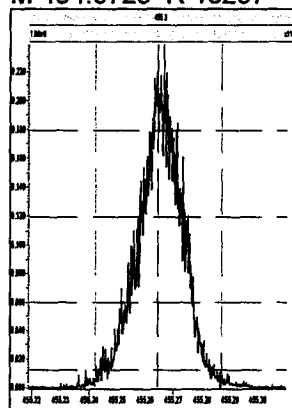
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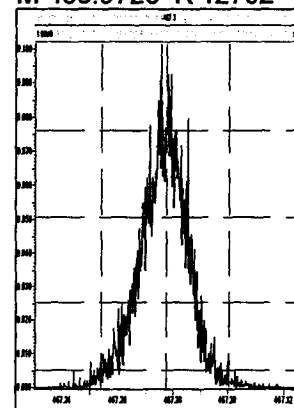
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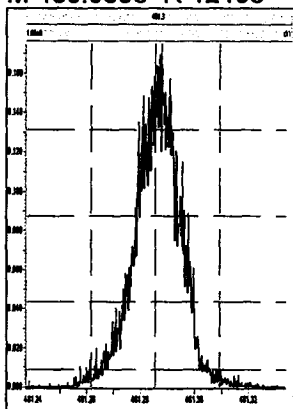
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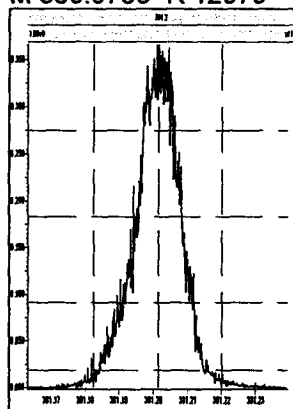
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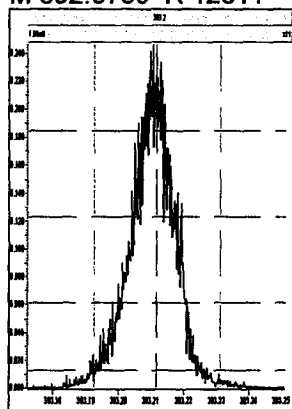
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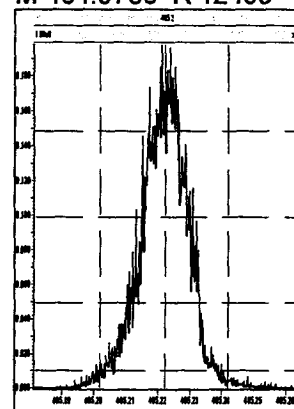
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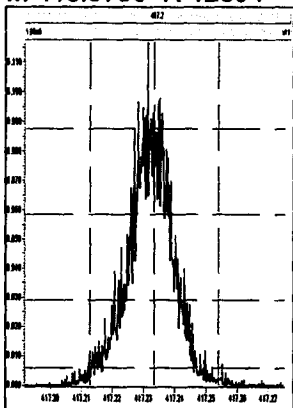
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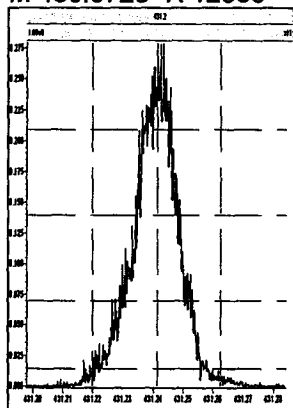
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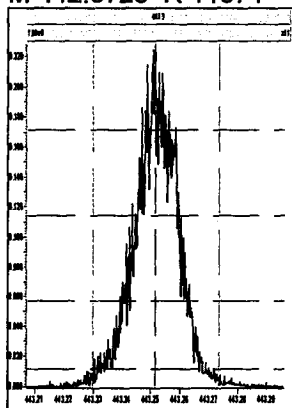
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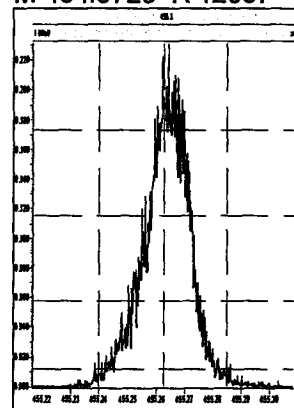
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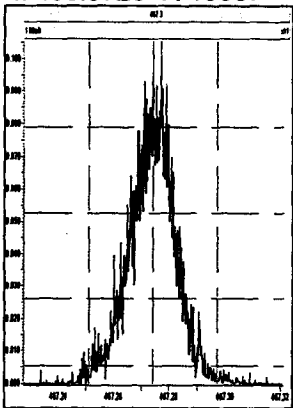
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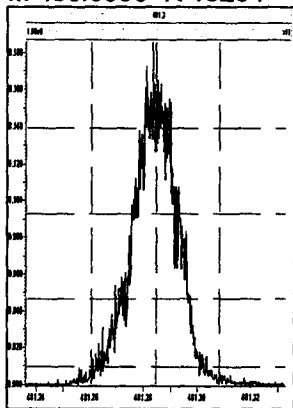
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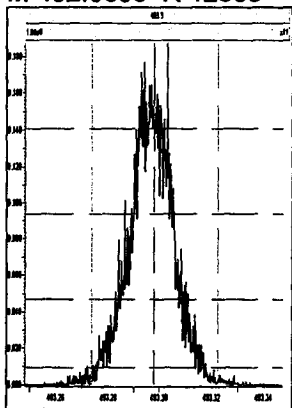
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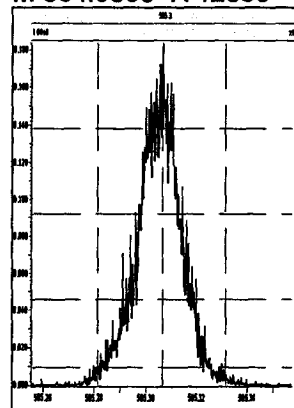
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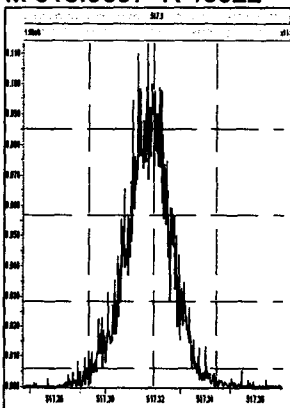
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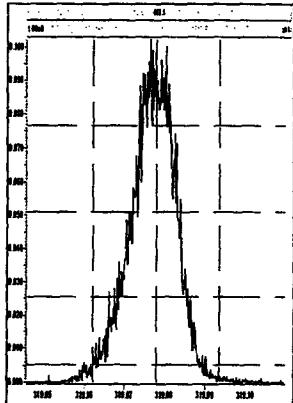
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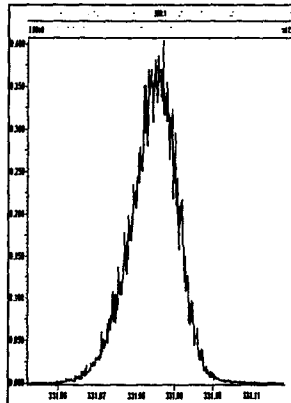
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Printed: Saturday, December 18, 2010 07:26:07 Pacific Standard Time

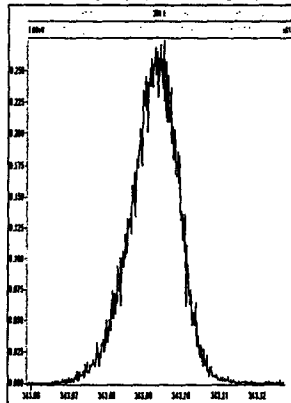
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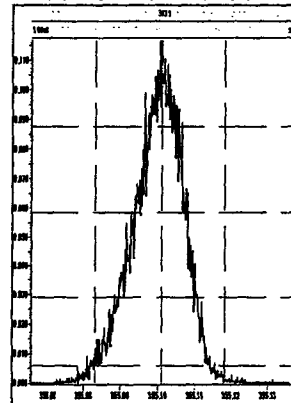
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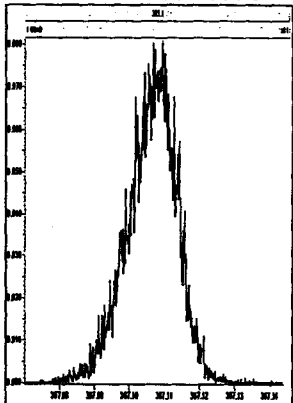
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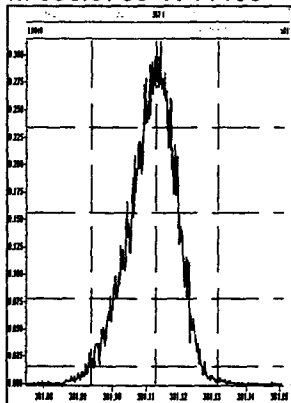
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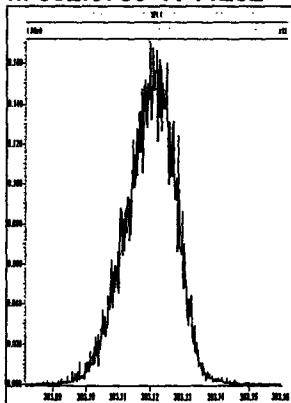
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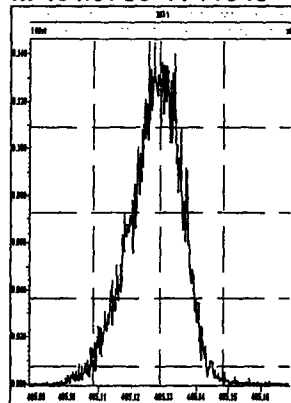
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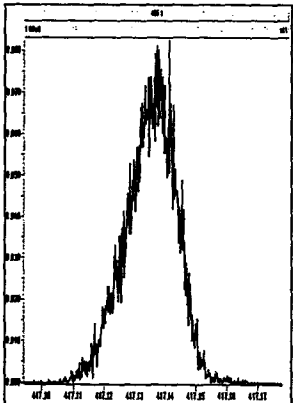
M 392.9760 R 11262



M 404.9760 R 11848



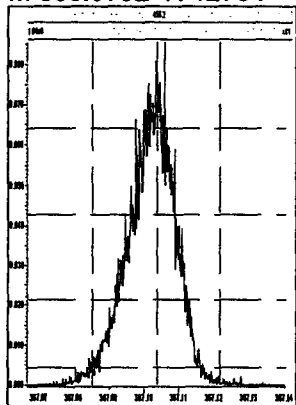
M 416.9760 R 12134



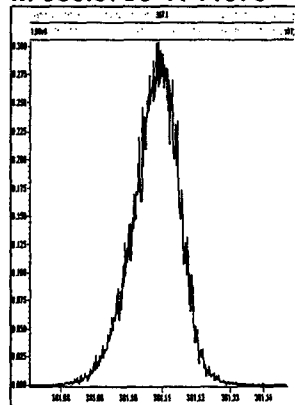
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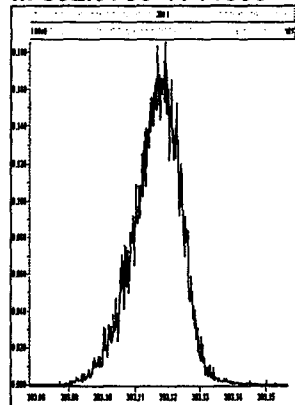
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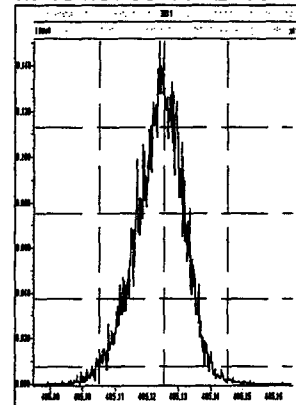
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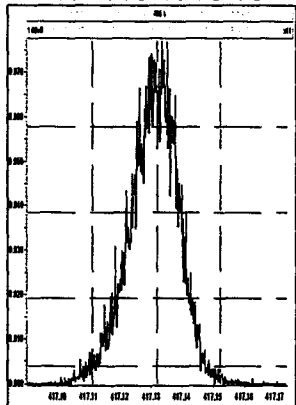
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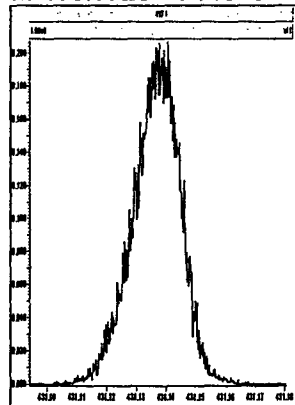
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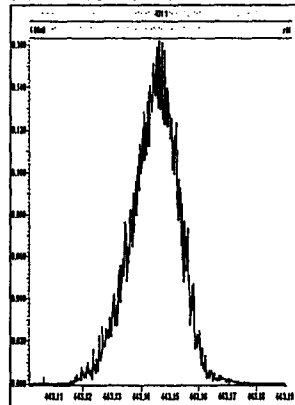
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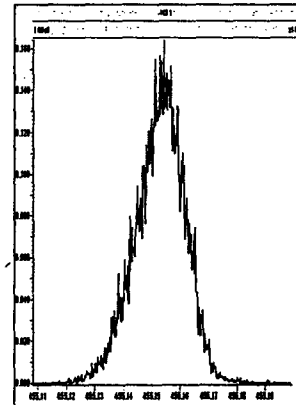
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M 442.9728 R 12195



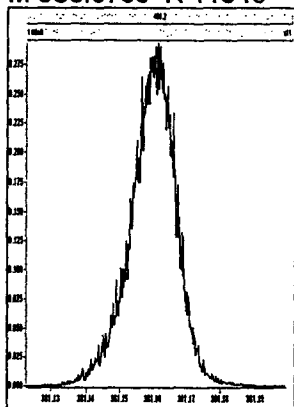
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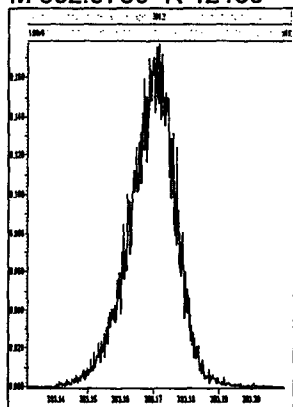
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Printed: Saturday, December 18, 2010 07:27:58 Pacific Standard Time

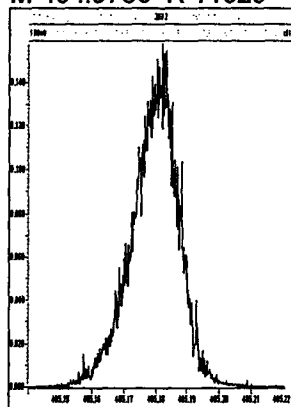
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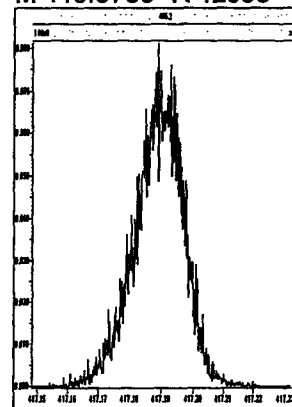
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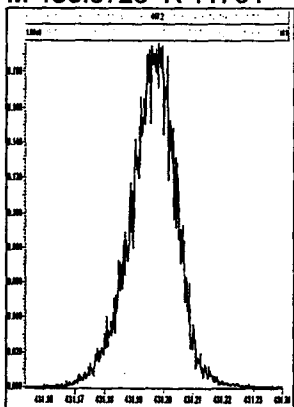
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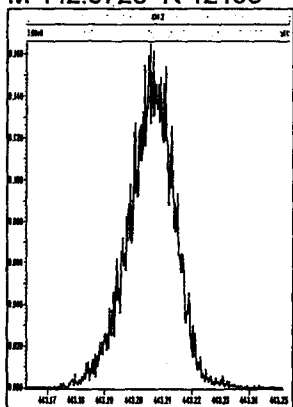
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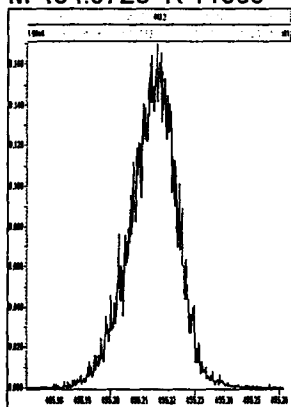
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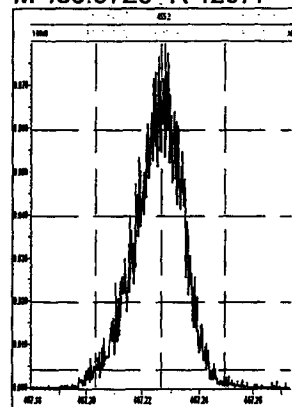
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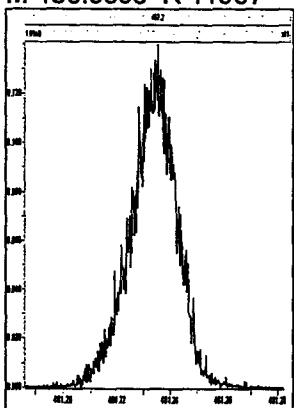
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M 466.9728 R 12077



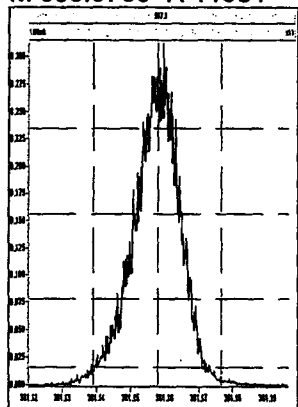
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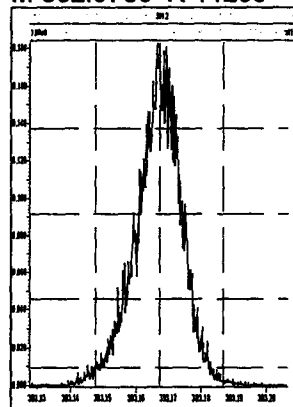
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Printed: Saturday, December 18, 2010 07:28:58 Pacific Standard Time

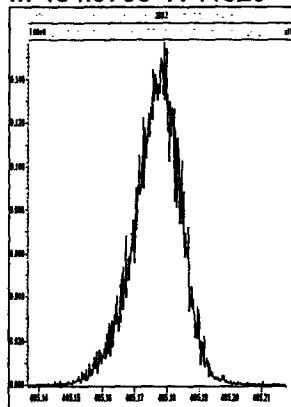
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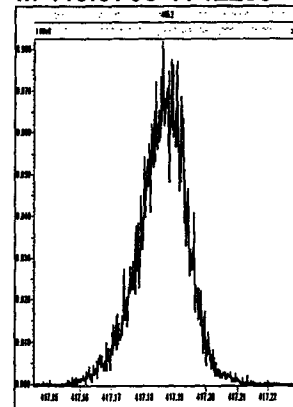
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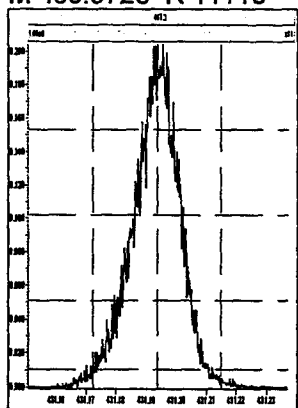
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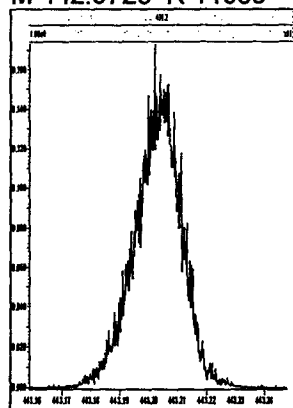
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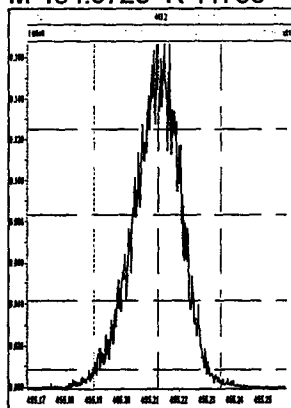
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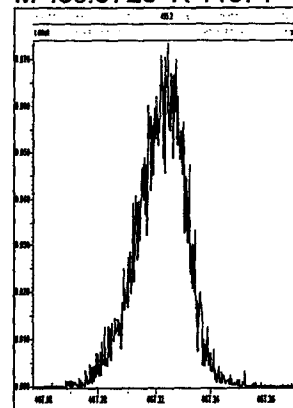
M 442.9728 R 11959



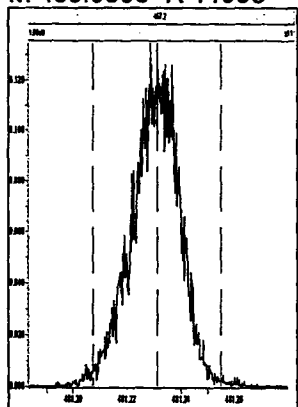
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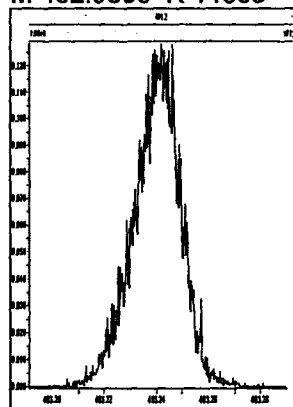
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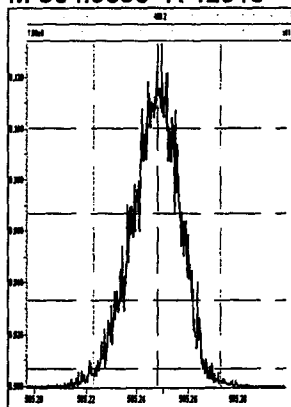
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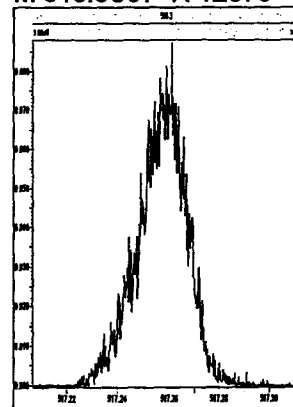
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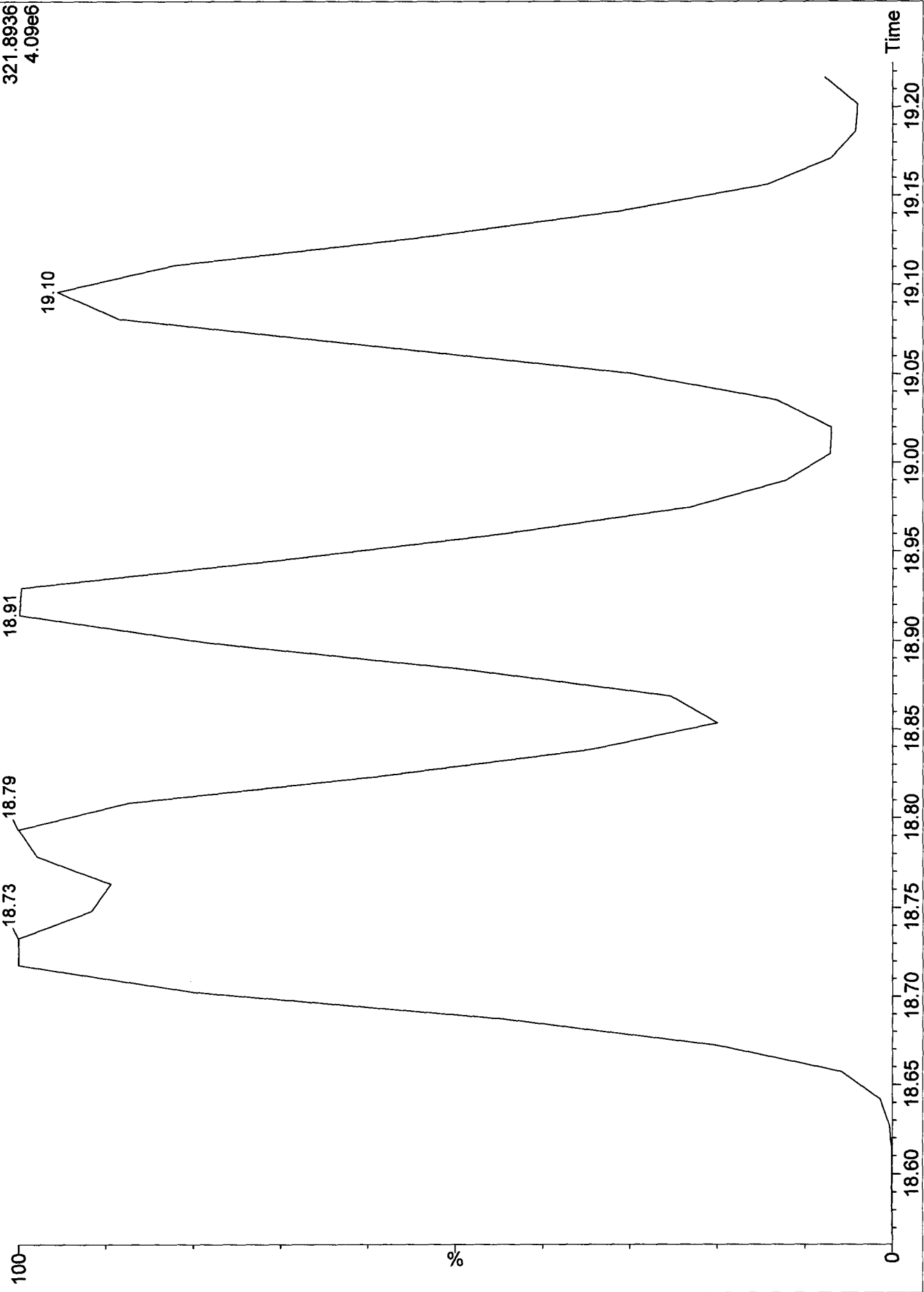
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DB-5 CPSM 10LRES07620:27:4917-Dec-2010Tray01:1

17DE103D5_17 Sb (1,10.00)

1: Voltage SIR 15 Channels EI+
321.8936
4.09e6



Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:31:59 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

#	Name	RRF Mean	RRF St	RRF Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.32993	0.01679	1.26243
4	2,3,7,8-TCDF	0.97151	0.07157	7.36682
5	Total TCDFs	0.97151	0.07157	7.36682
6				
7	13C-2,3,7,8-TCDD	0.88993	0.03148	3.53700
8	2,3,7,8-TCDD	1.00877	0.06276	6.22099
9	Total TCDDs	1.00877	0.06276	6.22099
10				
11	37CL-2,3,7,8-TCDD	0.64940	0.01593	2.45252
12				
13	13C-1,2,3,7,8-PeCDF	0.97070	0.05863	6.03994
14	1,2,3,7,8-PeCDF	1.06912	0.06653	6.22262
15	2,3,4,7,8-PeCDF	1.02843	0.05486	5.33479
16	Total F2 PeCDFs	1.04877	0.05962	5.68509
17	Total F1 PeCDFs	1.04877	0.05962	5.68509
18				
19	13C-1,2,3,7,8-PeCDD	0.71523	0.04044	5.65453
20	1,2,3,7,8-PeCDD	0.88408	0.05990	6.77503
21	Total PeCDDs	0.88408	0.05990	6.77503
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	1.08439	0.03115	2.87274
26	1,2,3,4,7,8-HxCDF	1.21851	0.05428	4.45440
27	1,2,3,6,7,8-HxCDF	1.39626	0.03424	2.45258
28	2,3,4,6,7,8-HxCDF	1.23749	0.07891	6.37645
29	1,2,3,7,8,9-HxCDF	1.07822	0.06388	5.92460
30	Total HxCDFs	1.23262	0.04921	3.99262
31				
32	13C-1,2,3,6,7,8-HxCDD	0.89448	0.01721	1.92420
33	1,2,3,4,7,8-HxCDD	1.02768	0.07515	7.31291
34	1,2,3,6,7,8-HxCDD	1.11052	0.04819	4.33951
35	1,2,3,7,8,9-HxCDD	1.11276	0.06800	6.11064
36	Total HxCDDs	1.08365	0.05954	5.49463
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.88081	0.04514	5.12428
39	1,2,3,4,6,7,8-HpCDF	1.40167	0.08144	5.81019
40	1,2,3,4,7,8,9-HpCDF	1.19912	0.07854	6.54946
41	Total HpCDFs	1.30039	0.07990	6.14402
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.85740	0.04397	5.12838
44	1,2,3,4,6,7,8-HpCDD	0.98108	0.03785	3.85794
45	Total HpCDDs	0.98108	0.03785	3.85794
46				
47	13C-OCDD	0.64317	0.02998	4.66090

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:31:59 Pacific Standard Time

#	Name	RRF Mean	RRF SD	RRF Rel SD
48	OCDF	1.47706	0.10157	6.87631
49	OCDD	1.19620	0.03953	3.30441
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	17.81450	9.82383	55.14516
58	F1 PeCDF PCDPE	97.10950	108.94889	112.19180
59	F2 PeCDF PCDPE	51.06250	44.53548	87.21758
60	HXCDF PCDPE	21.19080	12.84340	60.60837
61	HPCDF PCDPE	39.17300	11.71999	29.91853
62	OCDF PCDPE	27.30250	21.54033	78.89507

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

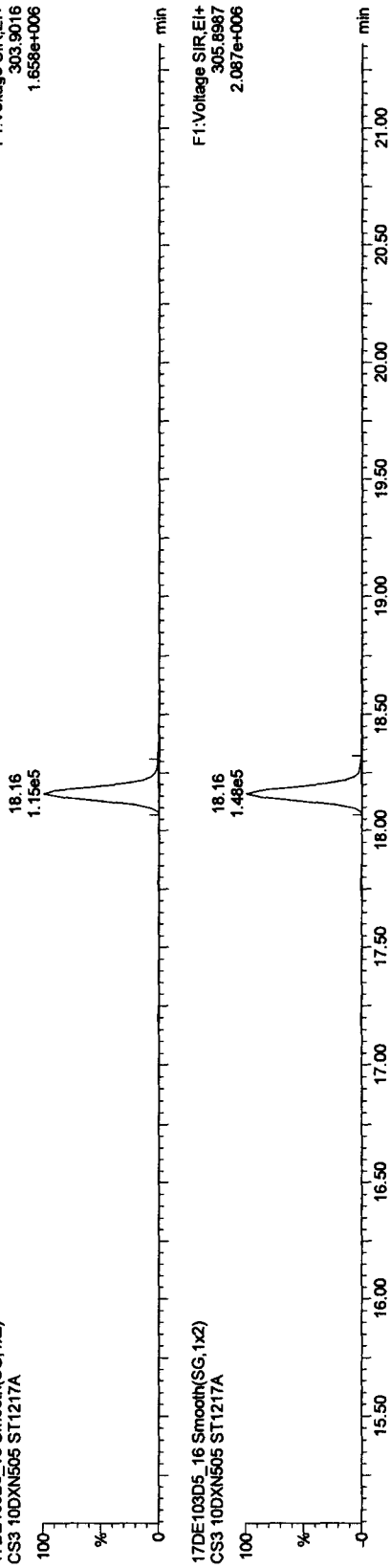
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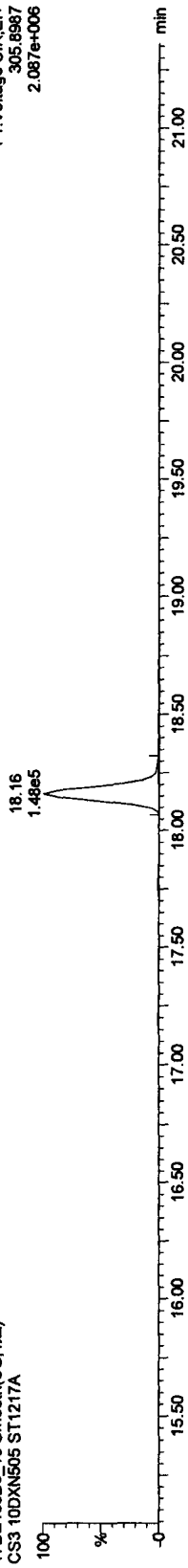
Name: 17DE103D5_16, Date: 17-Dec-2010, Time: 19:36:34, ID: ST1217A, Description: CS3 10DXN505

TCDFs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

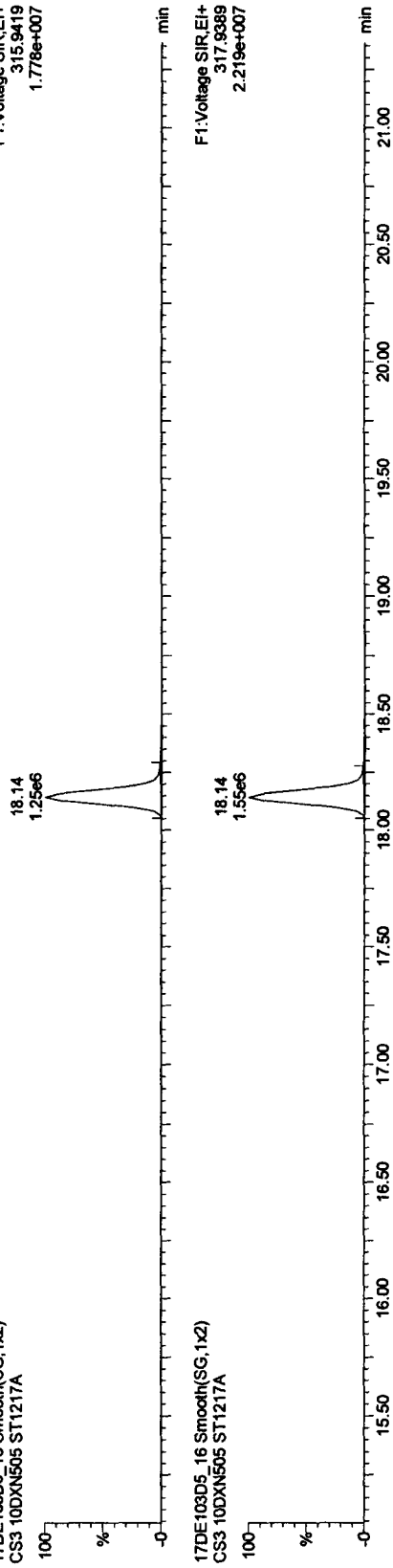


17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

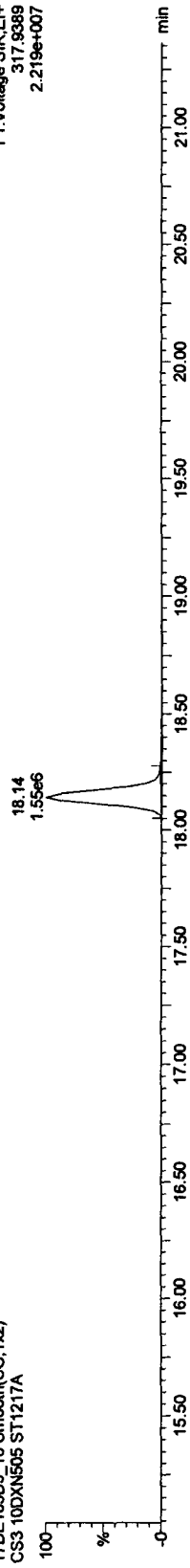


13C-TCDF

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



Quantify Sample Report MassLynx 4.1

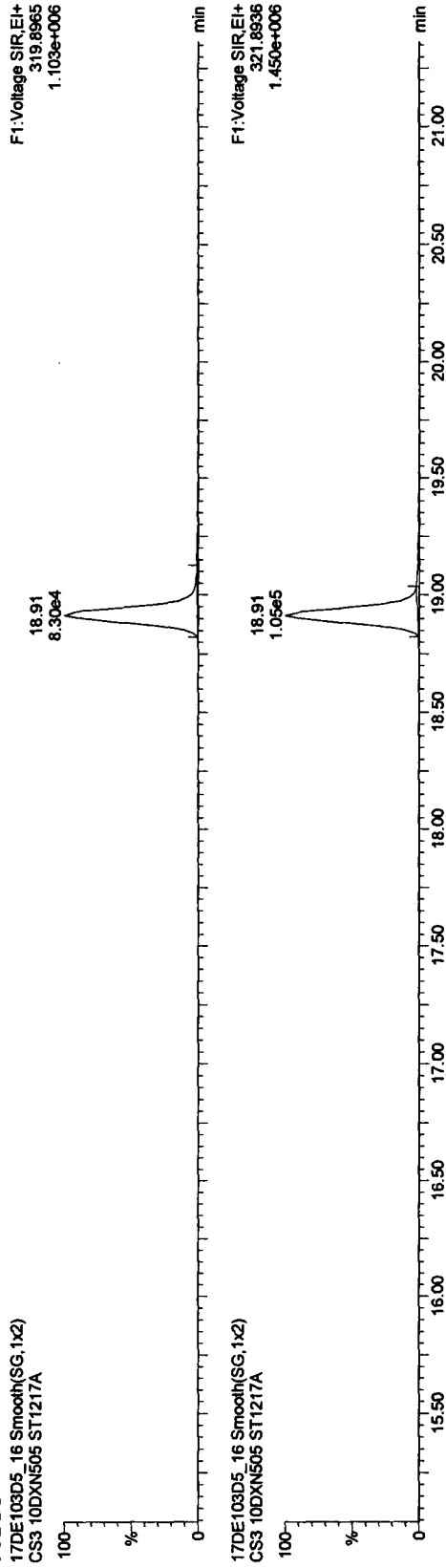
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Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

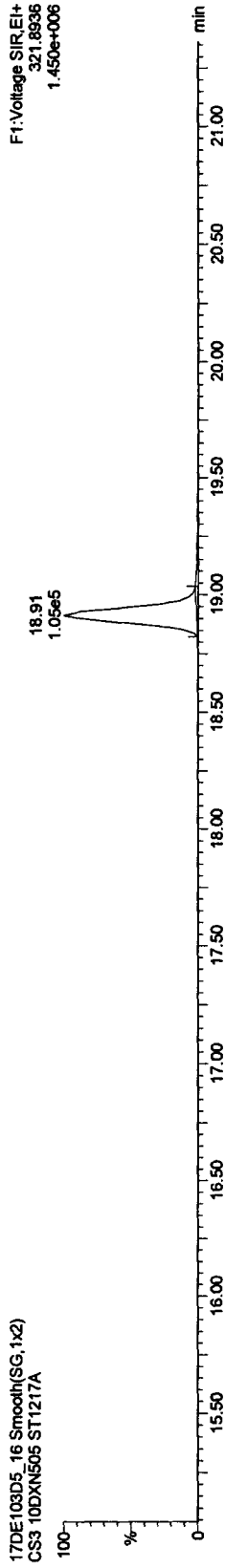
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TCDDs

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CS3 10DXN505 ST1217A

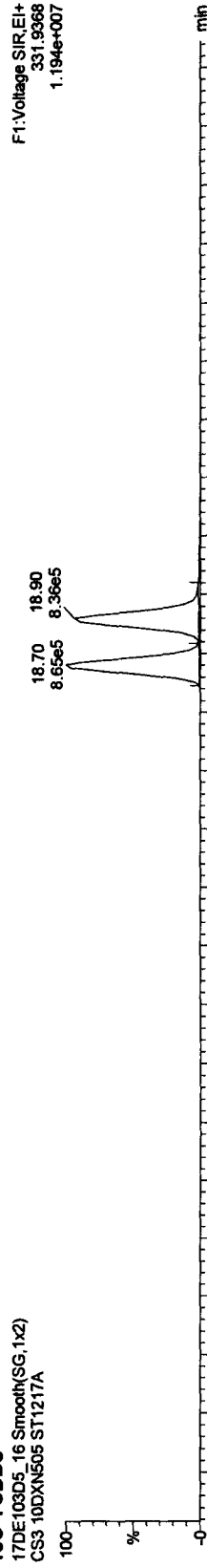


17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

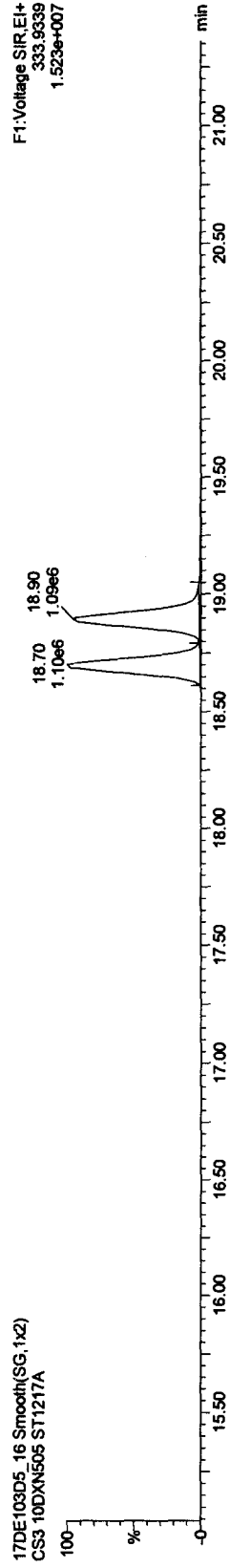


13C-TCDDs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

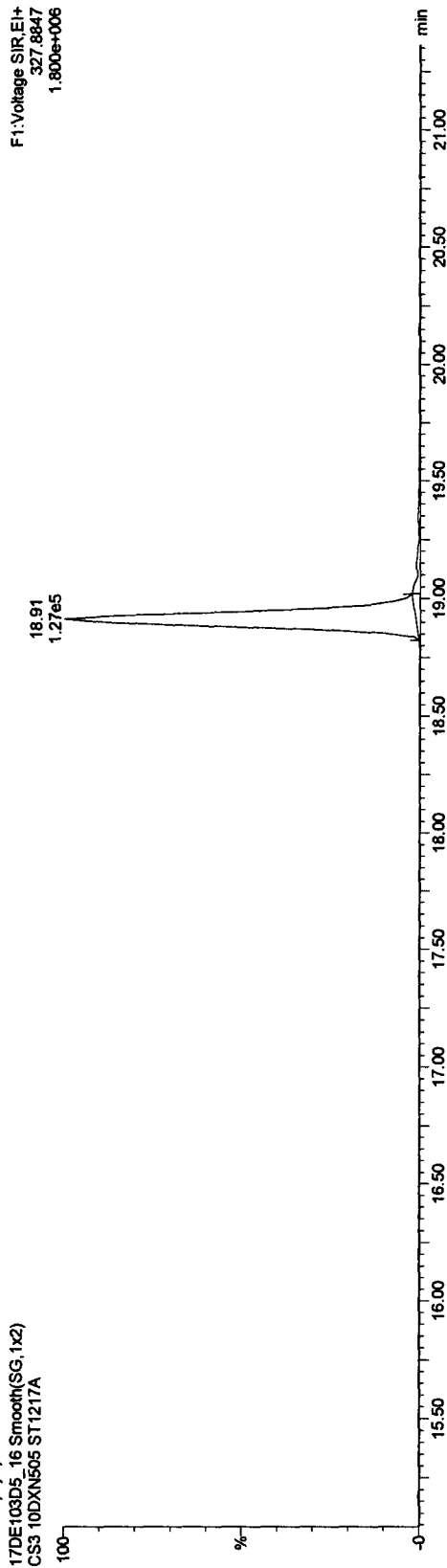
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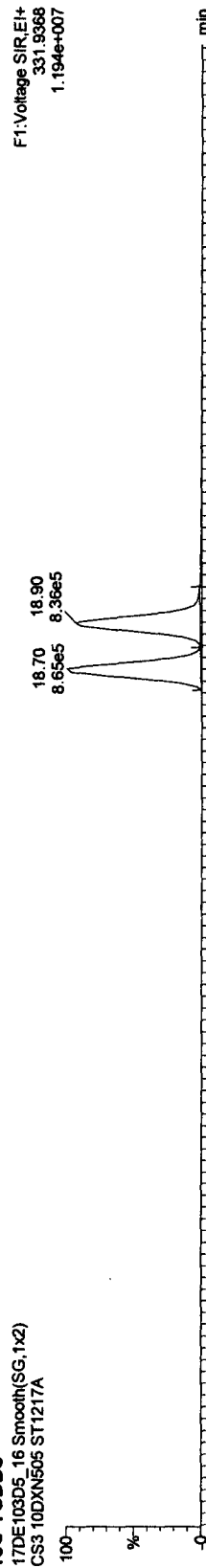
37CL-2,3,7,8-TCDD

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



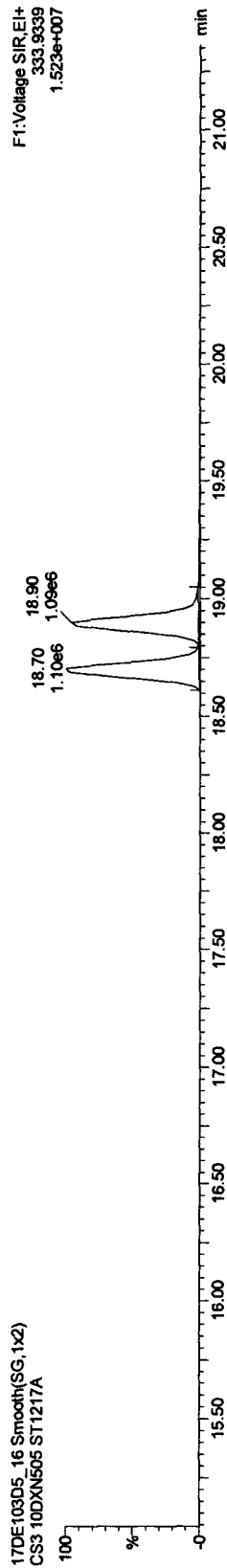
13C-TCDDs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



17DE103D5_16 Smooth(SG,1x2)

CS3 10DXN505 ST1217A

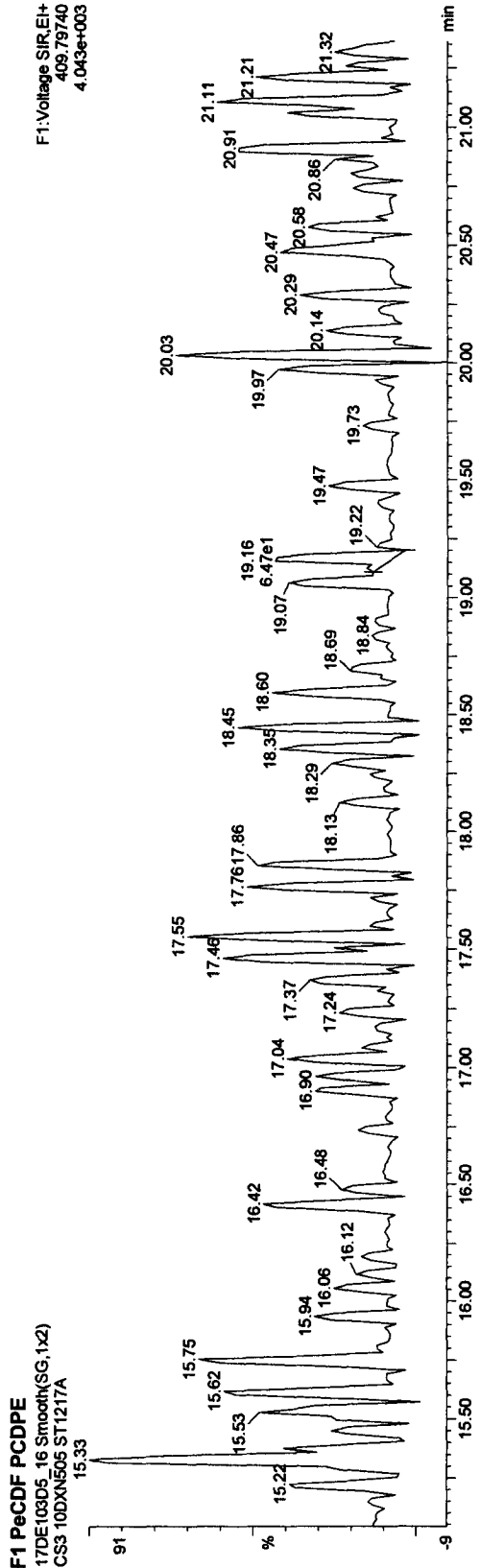
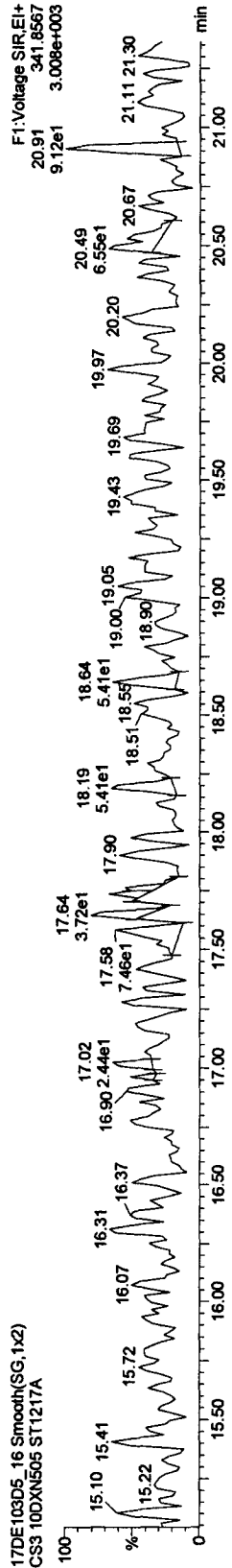
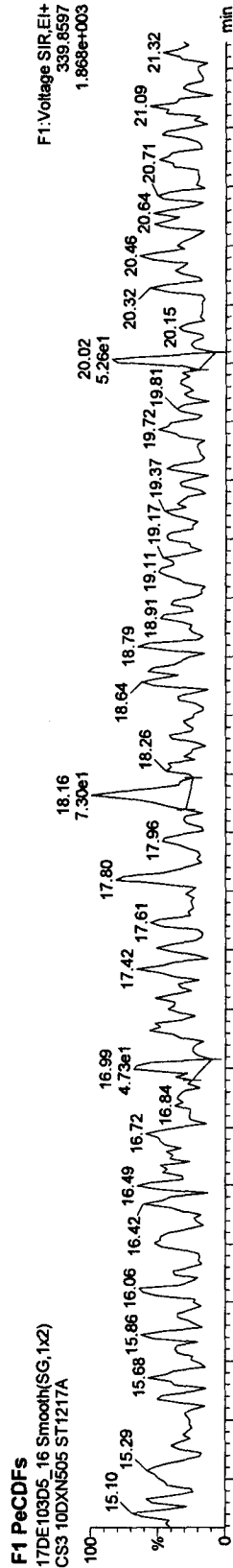


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

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Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

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Quantify Sample Report MassLynx 4.1

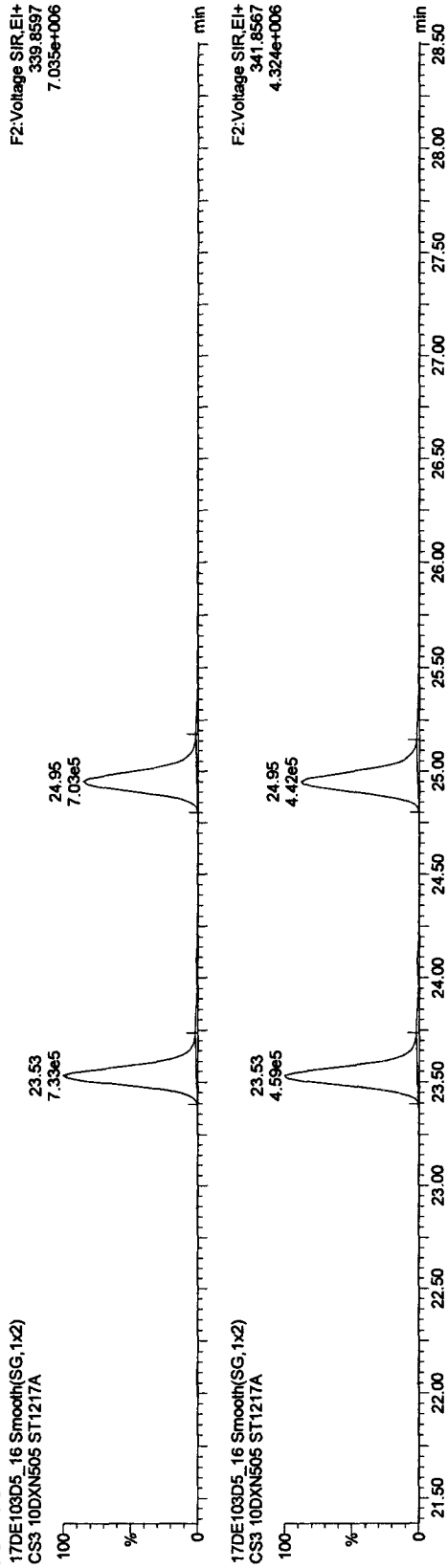
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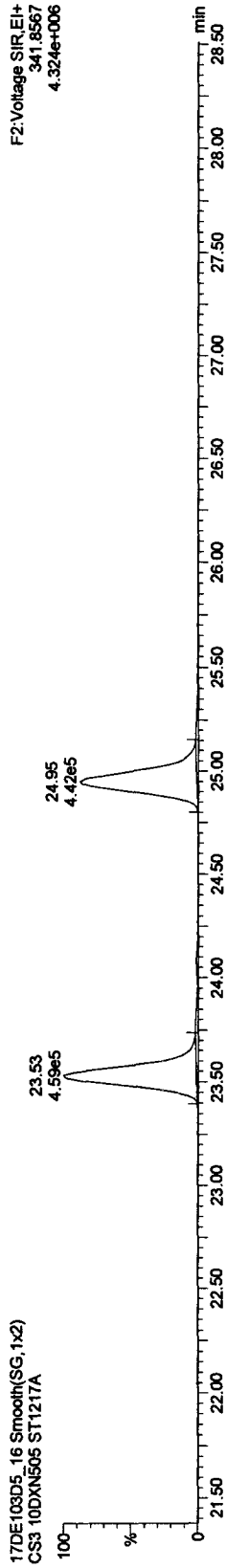
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PeCDFs

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CS3 10DXN505 ST1217A

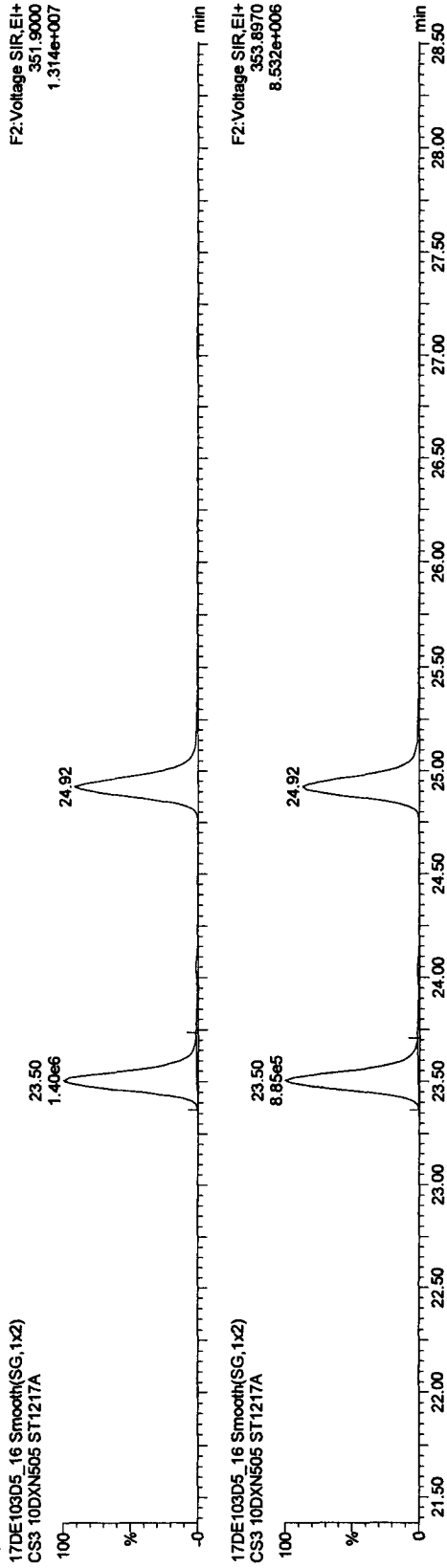


17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

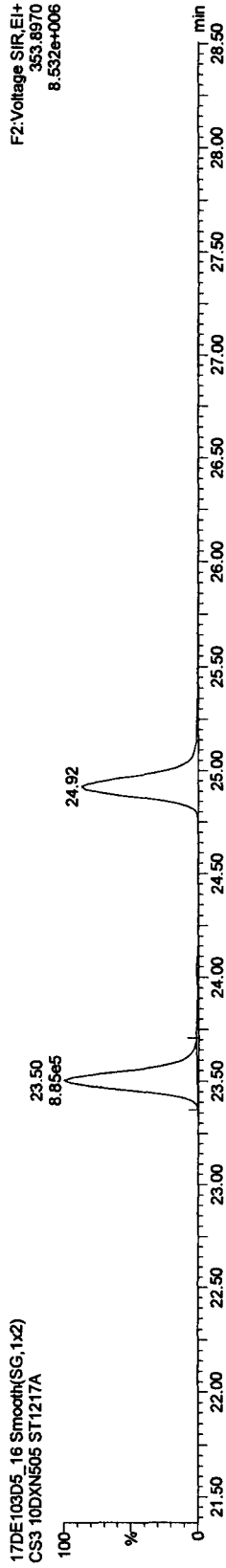


13C-PeCDFs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

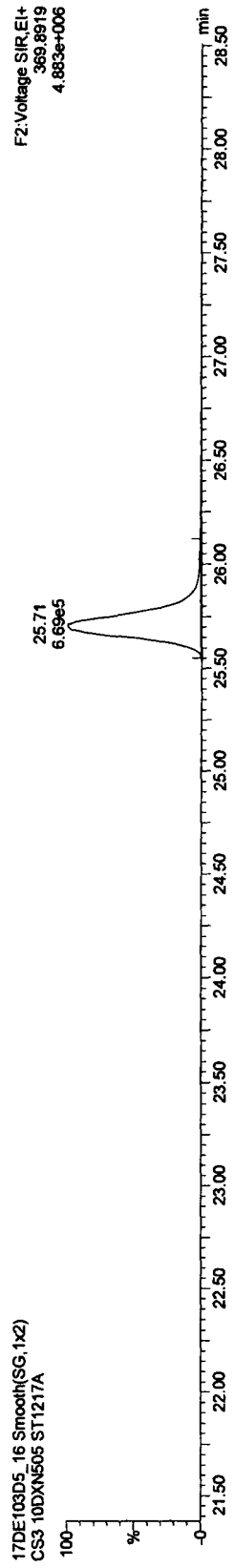
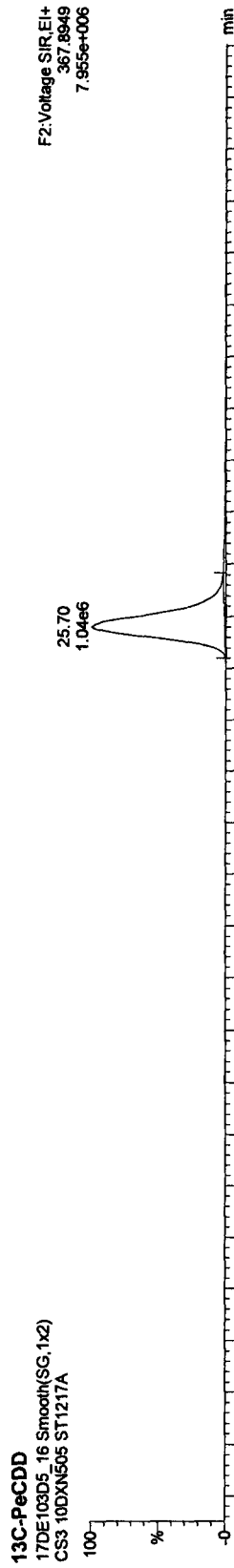
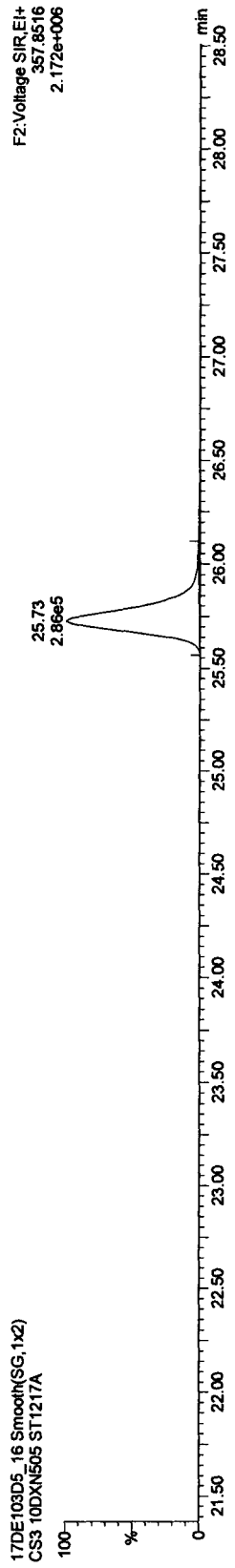
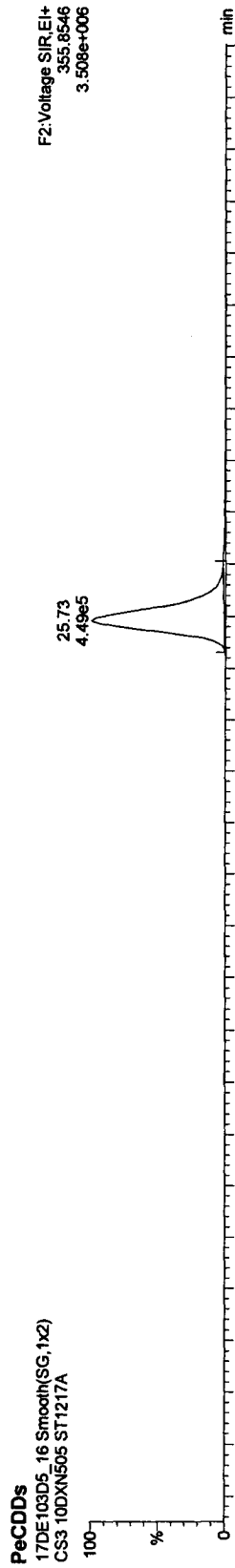


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

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Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_16, Date: 17-Dec-2010, Time: 19:36:34, ID: ST1217A, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

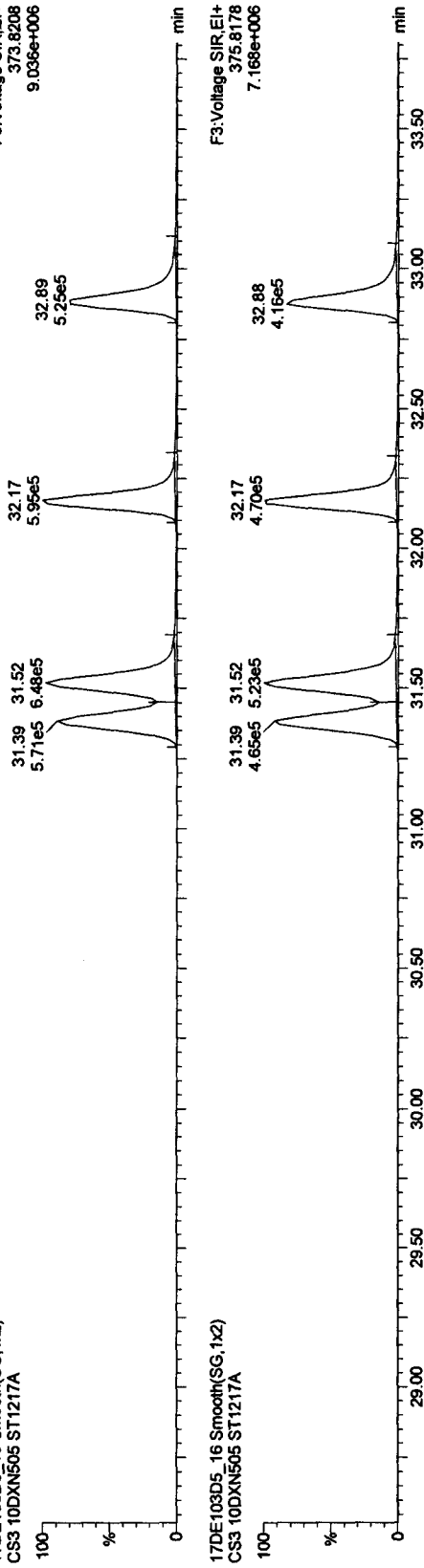
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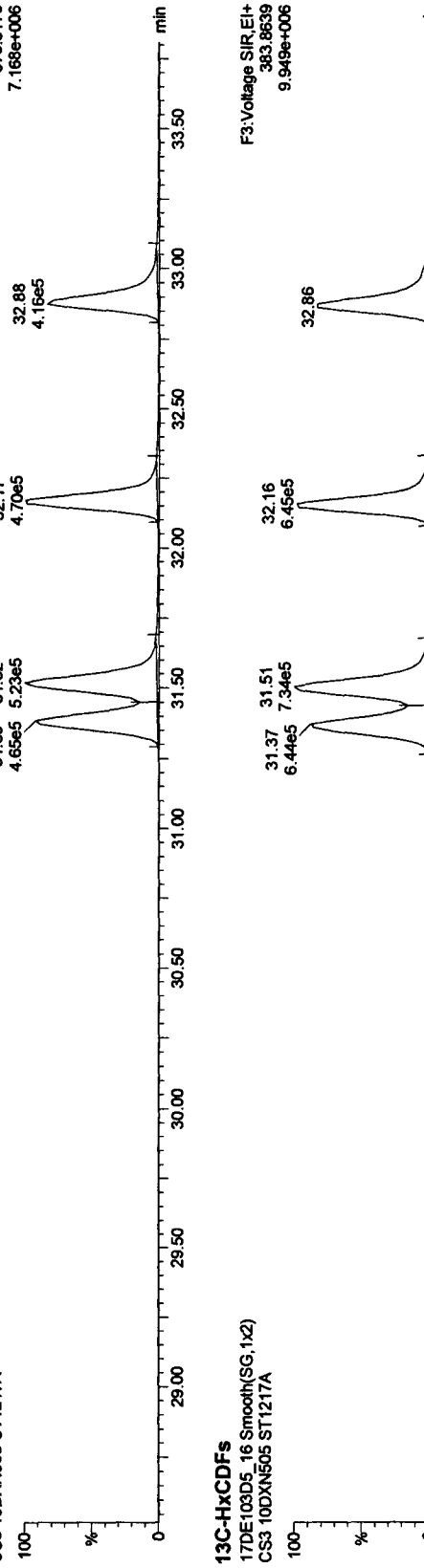
HxCDFs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



F3:Voltage SIR,EI+
373.8208
9.036e+006

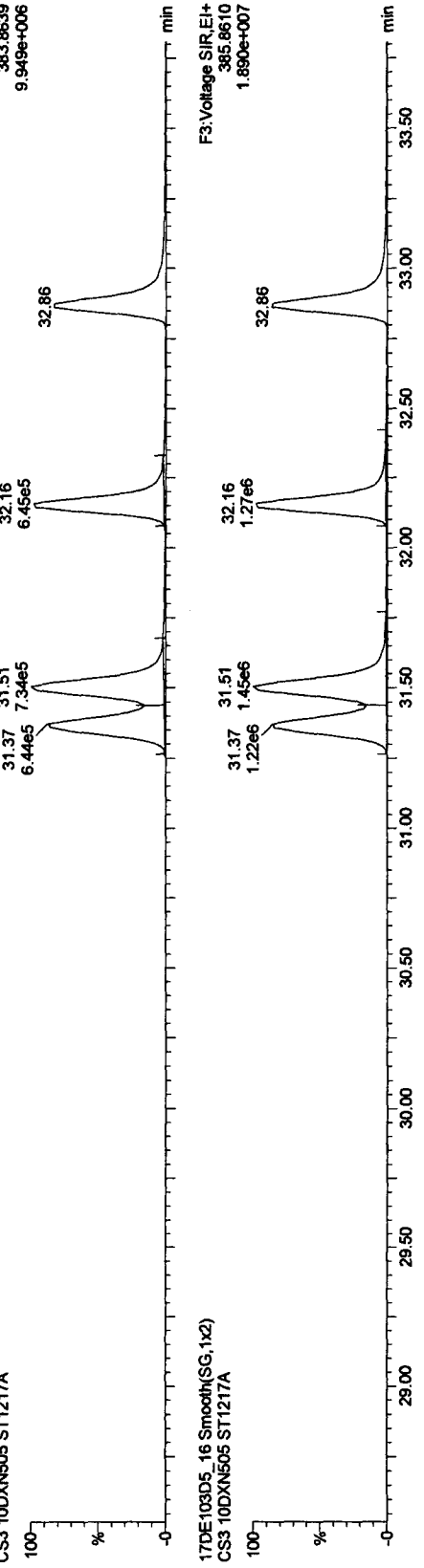
17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



F3:Voltage SIR,EI+
375.8178
7.168e+006

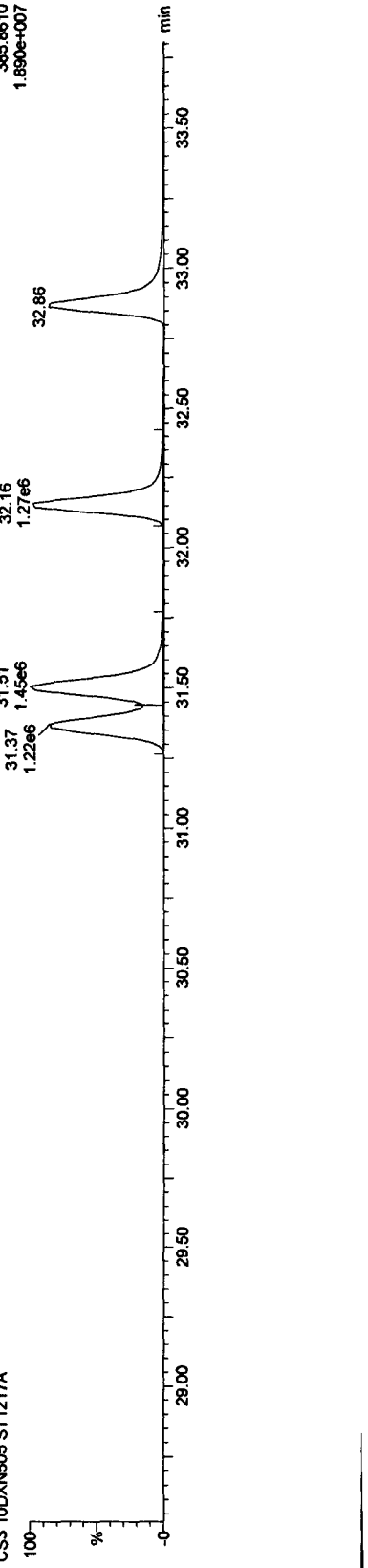
13C-HxCDFs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



F3:Voltage SIR,EI+
363.8639
9.949e+006

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



F3:Voltage SIR,EI+
385.8610
1.890e+007

Quantify Sample Report MassLynx 4.1

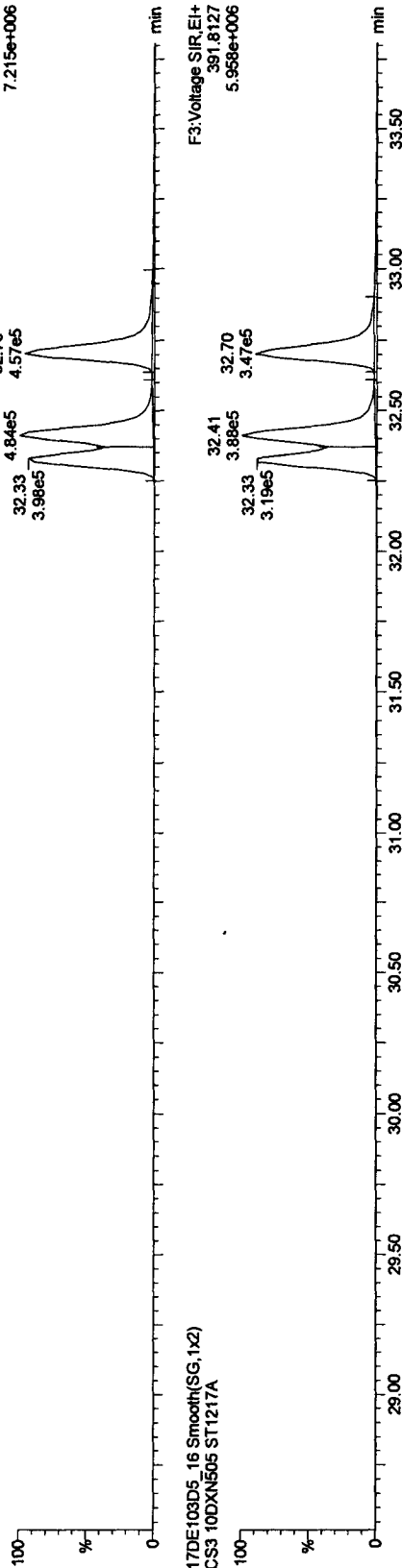
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Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

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HxCDDs

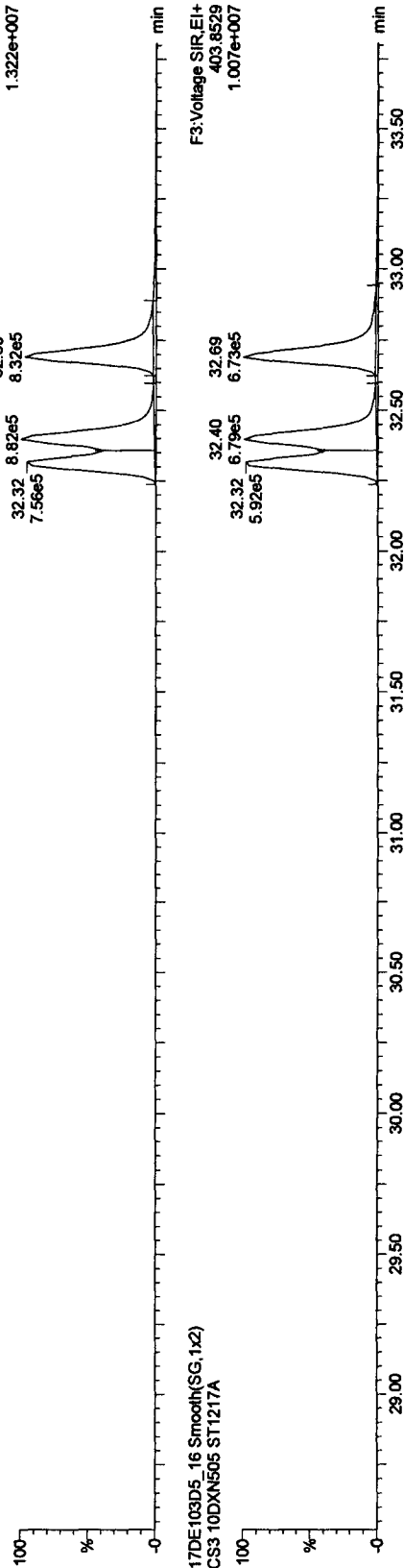
17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

13C-HxCDDs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

Quantify Sample Report MassLynx 4.1

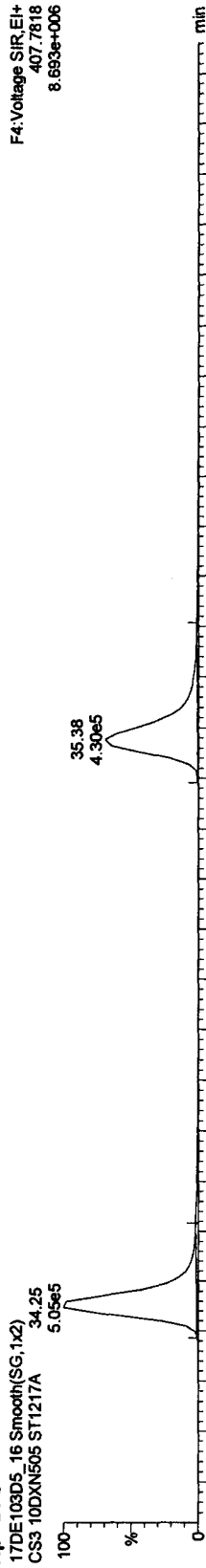
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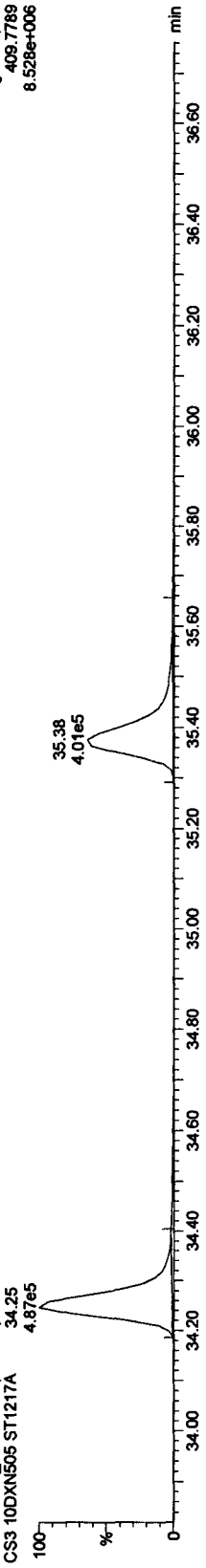
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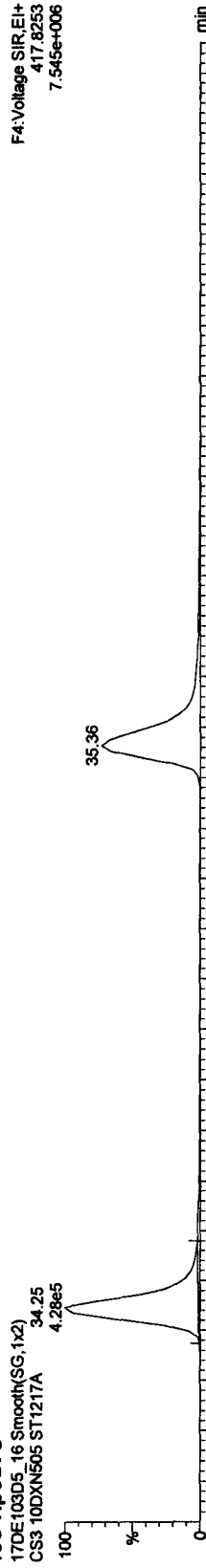
HpCDFs



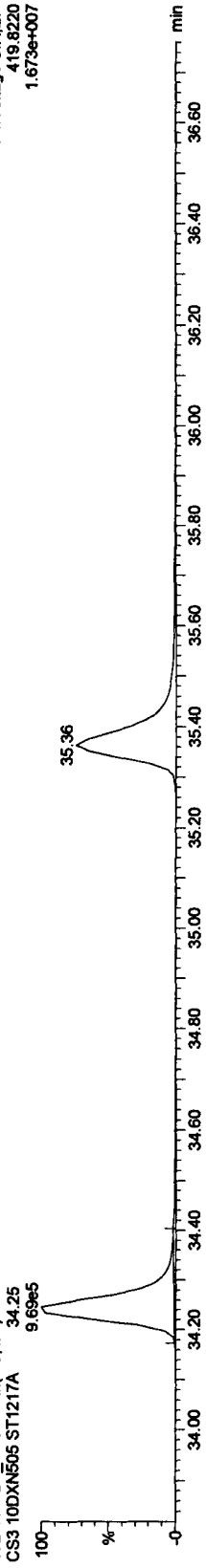
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13C-HpCDFs



17DE103D5_16 Smooth(SG,1x2)



Quantify Sample Report MassLynx 4.1

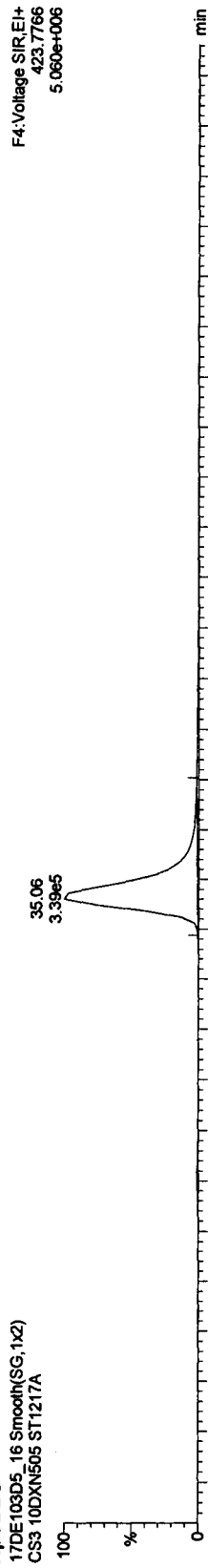
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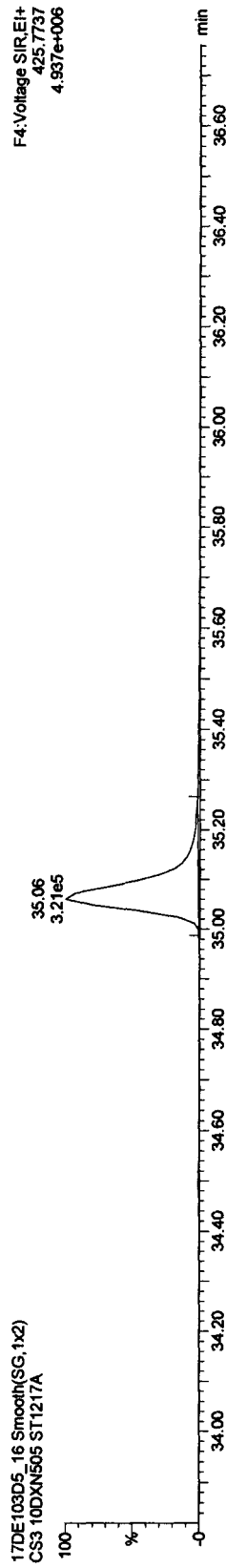
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HpCDDs

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CS3 10DXN505 ST1217A

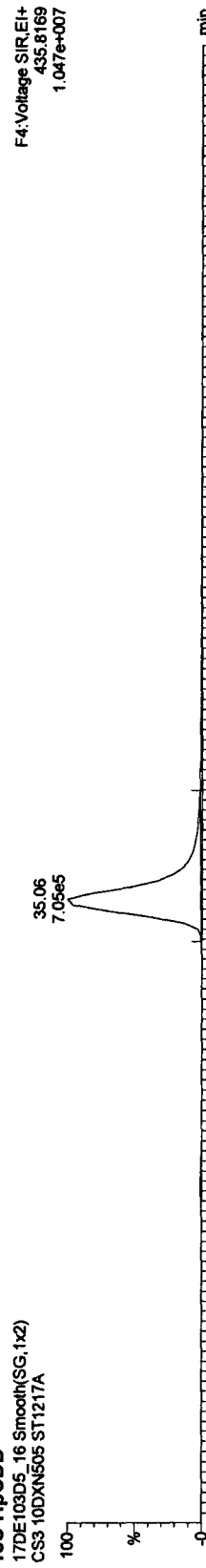


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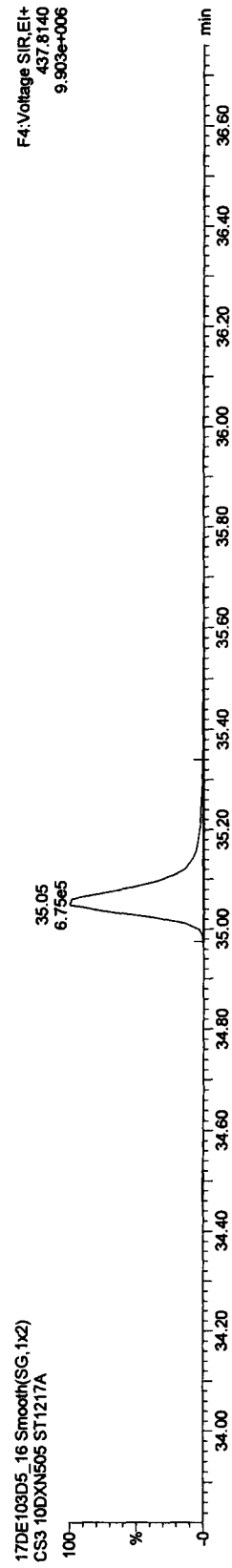


13C-HpCDD

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



Quantify Sample Report MassLynx 4.1

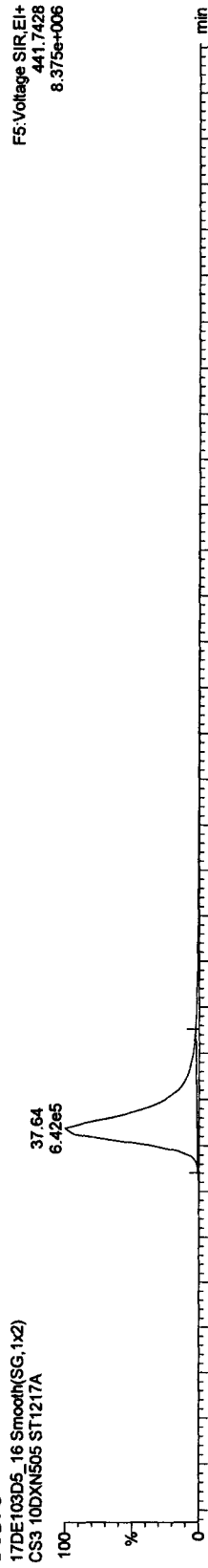
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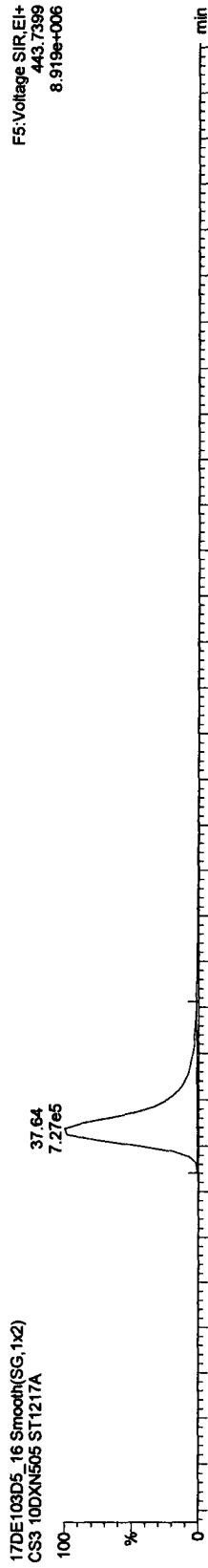
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OCDFs

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CS3 10DXN505 ST1217A

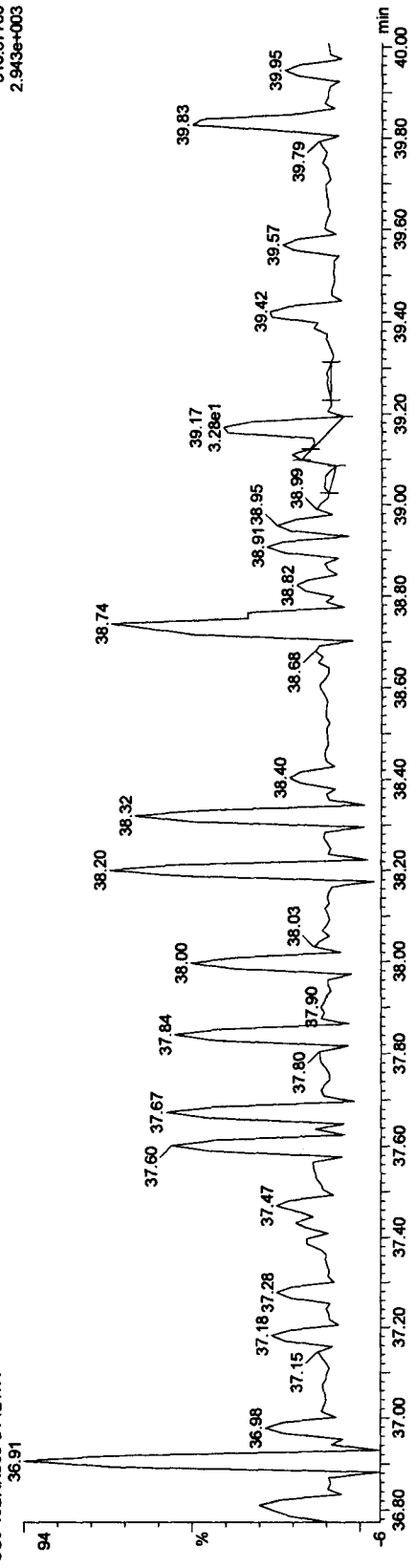


17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



OCDF PCDPE

17DE103D5_16 Smooth(SG,1x2)
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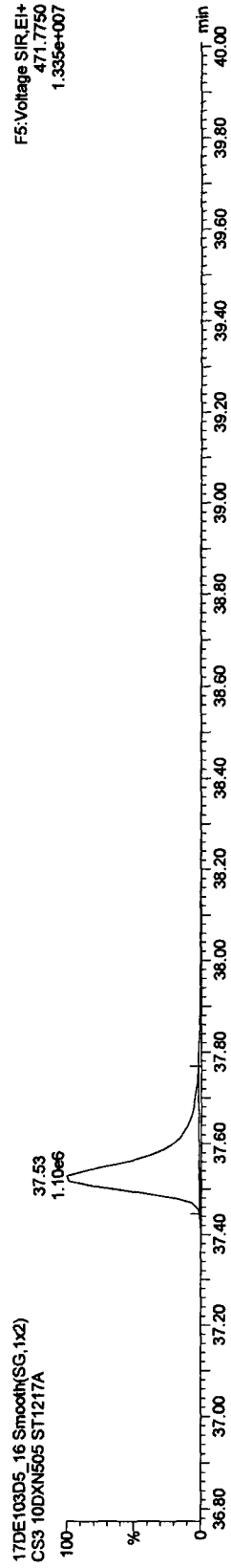
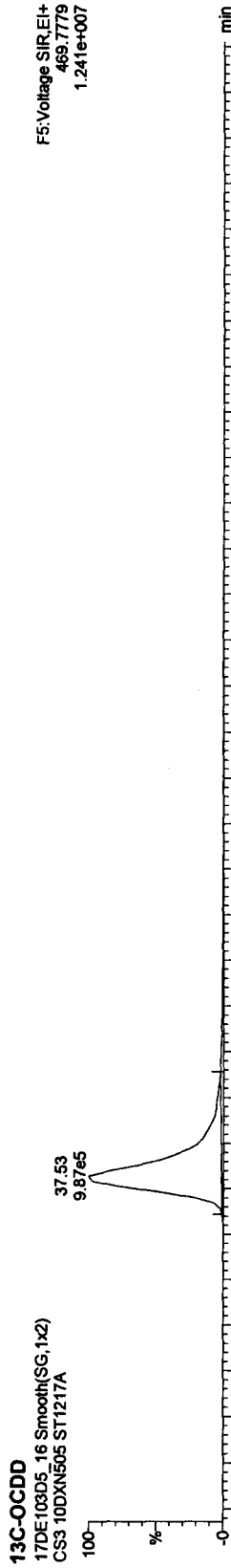
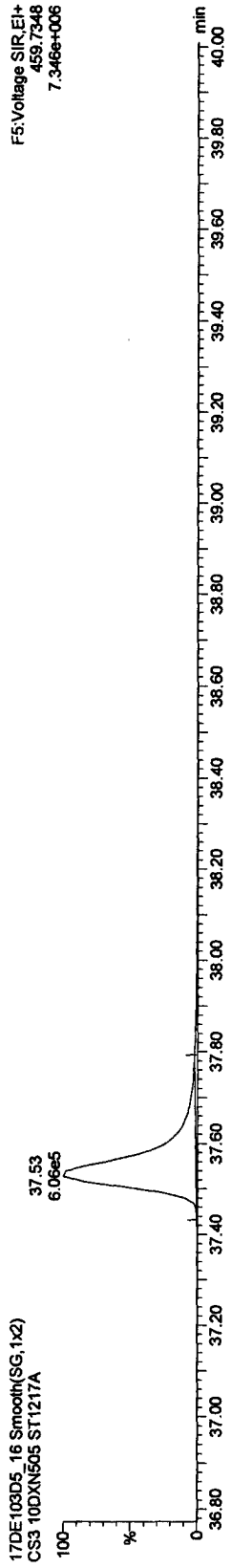
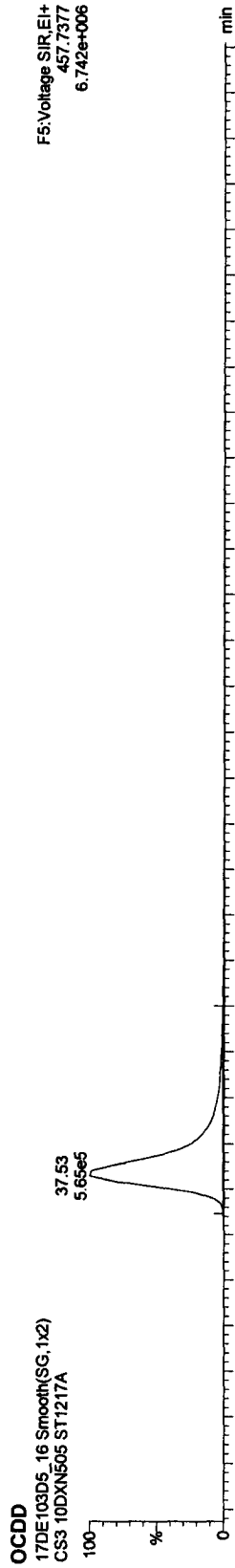


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

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Quantify Sample Report MassLynx 4.1

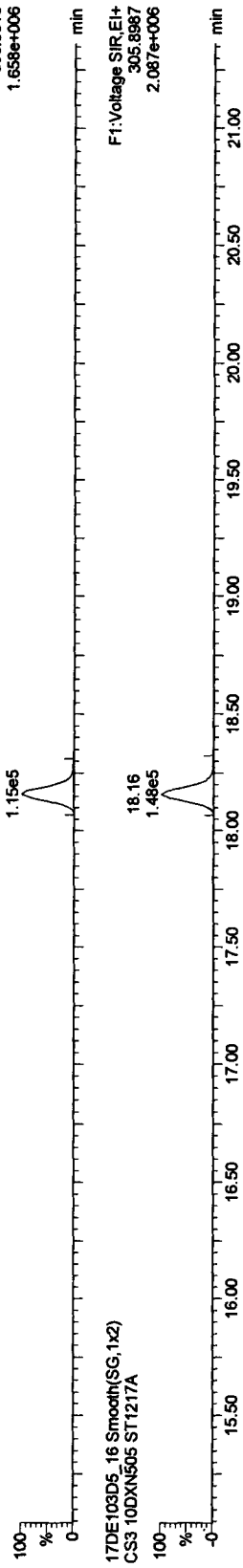
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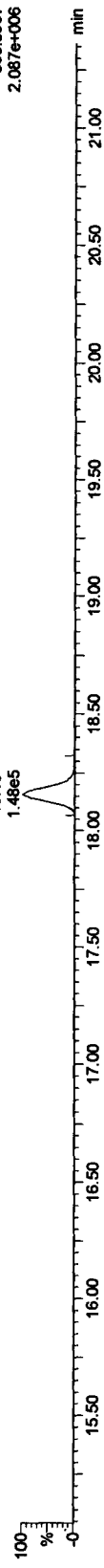
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TCDFs

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CS3 10DXN505 ST1217A

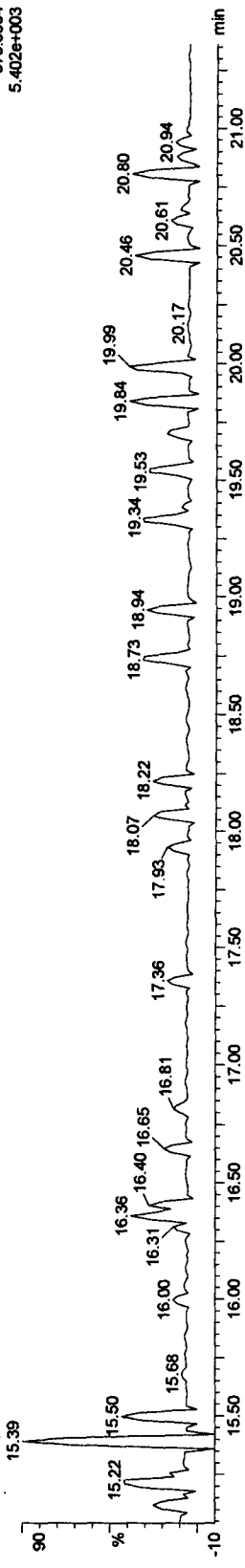


17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



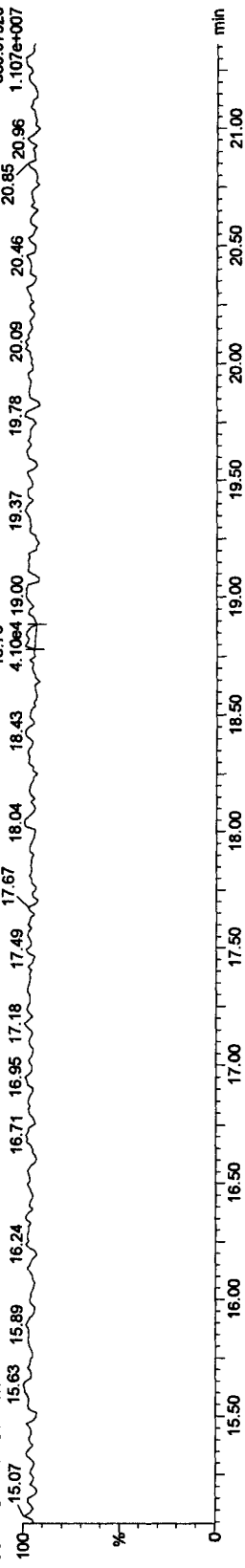
TCDF PCDPE

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



Function 1 PFK

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

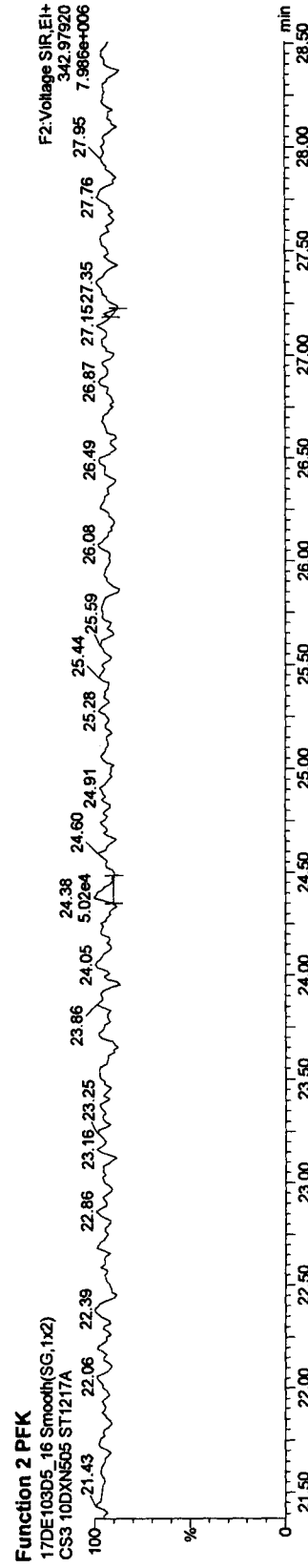
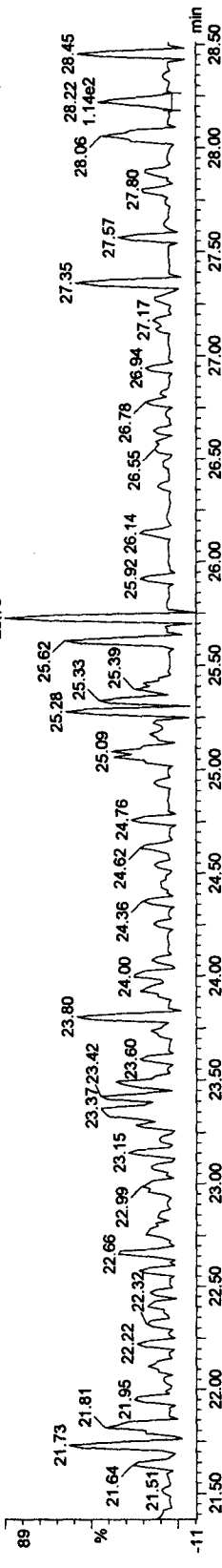
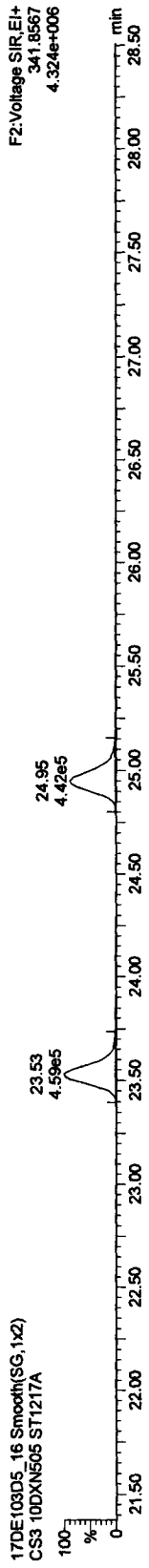
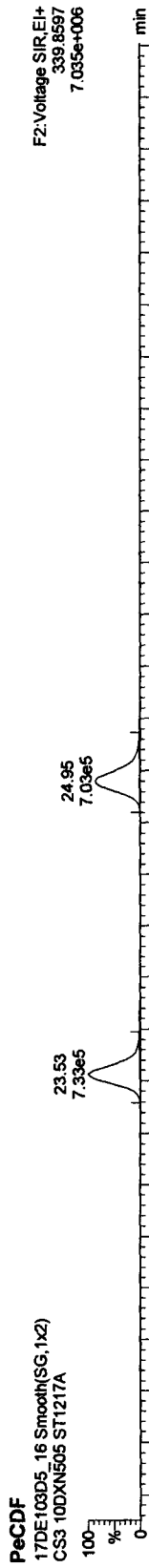


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

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Quantify Sample Report MassLynx 4.1

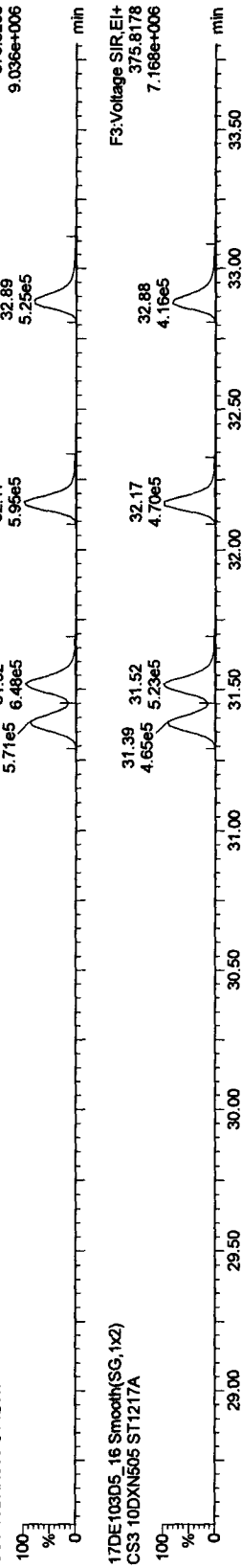
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Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_16, Date: 17-Dec-2010, Time: 19:36:34, ID: ST1217A, Description: CS3 10DXN505

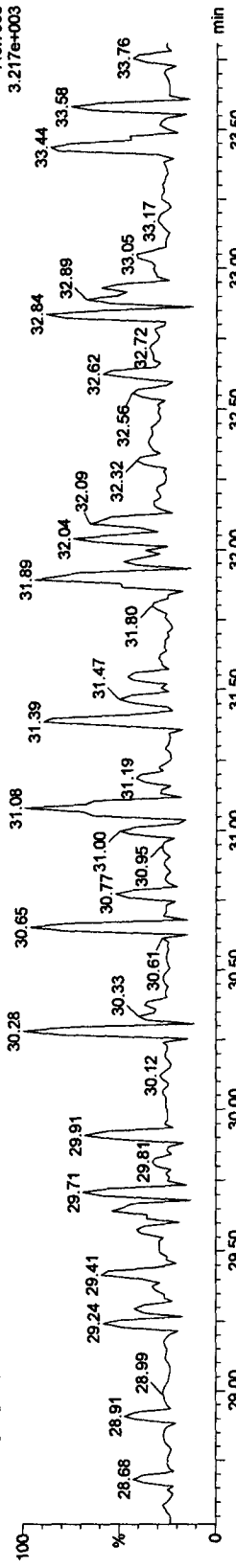
HxCDFs

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



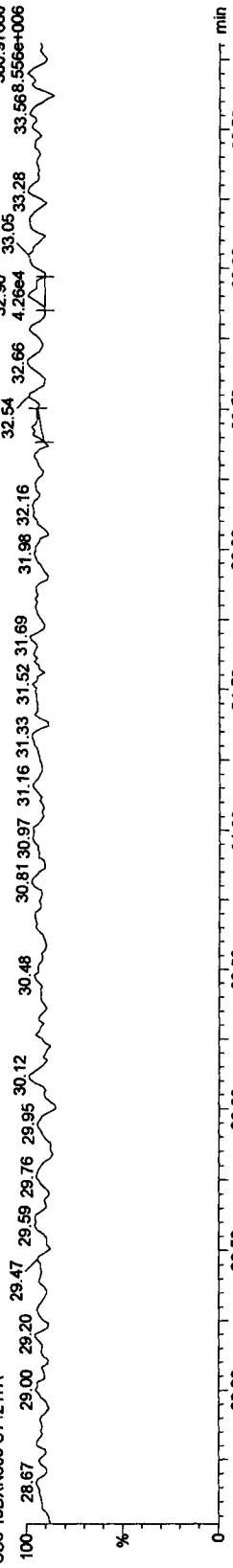
HxCDF PCDFE

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



Function 3 PFK

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A



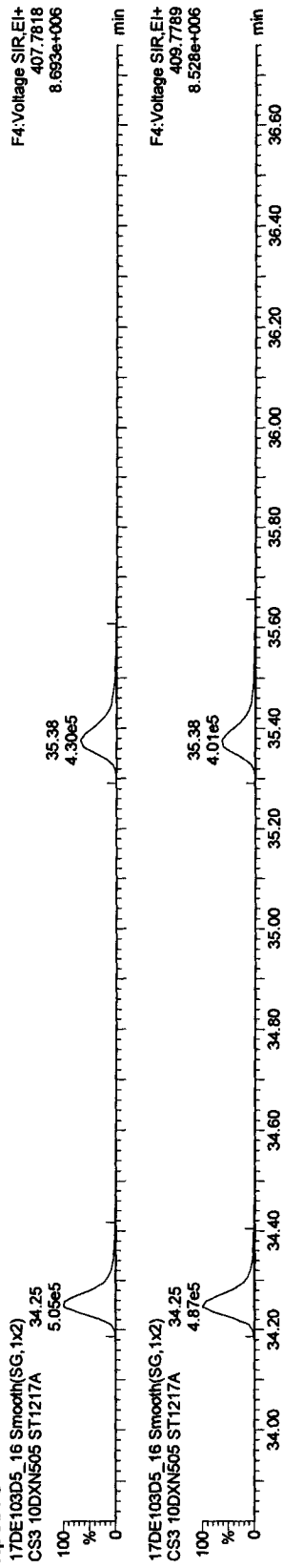
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

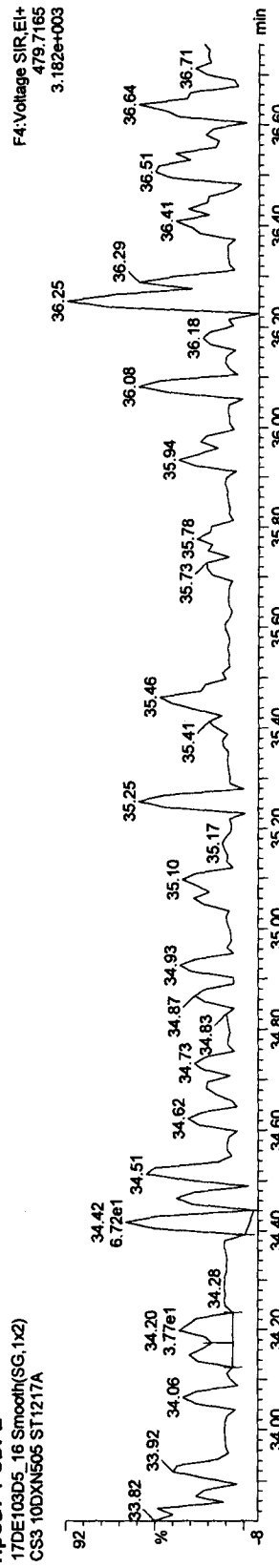
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_16, Date: 17-Dec-2010, Time: 19:36:34, ID: ST1217A, Description: CS3 10DXN505

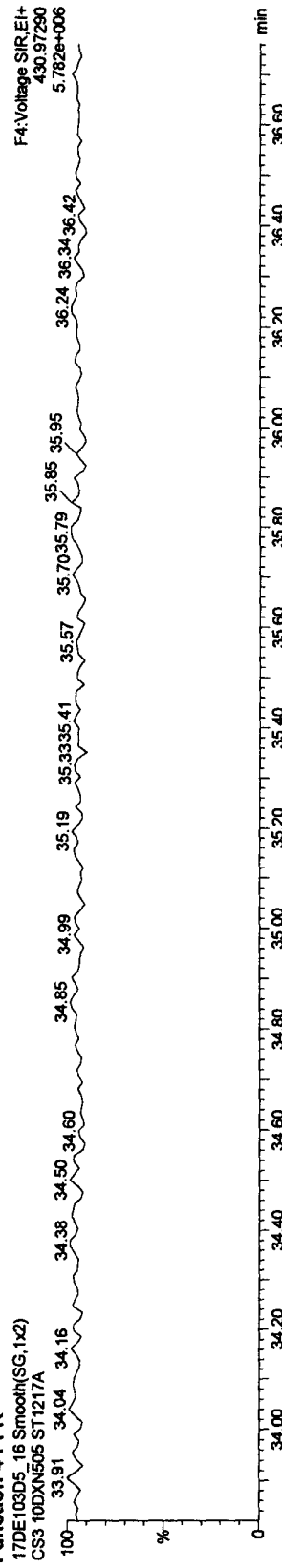
HpCDFs



HpCDF PCDFE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

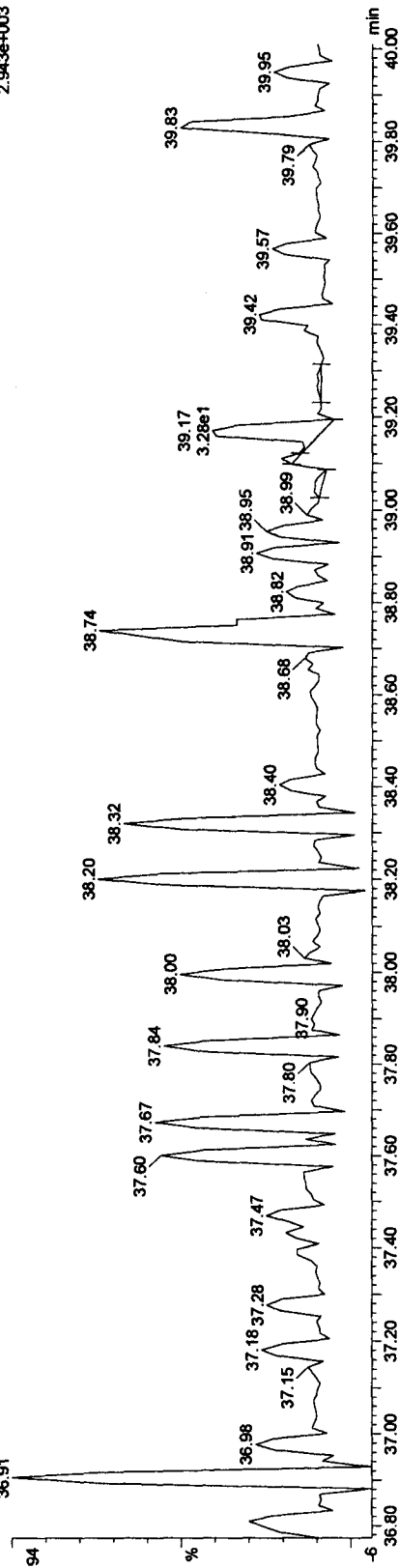
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_16, Date: 17-Dec-2010, Time: 19:36:34, ID: ST1217A, Description: CS3 10DXN505

OCDF PCDPE

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

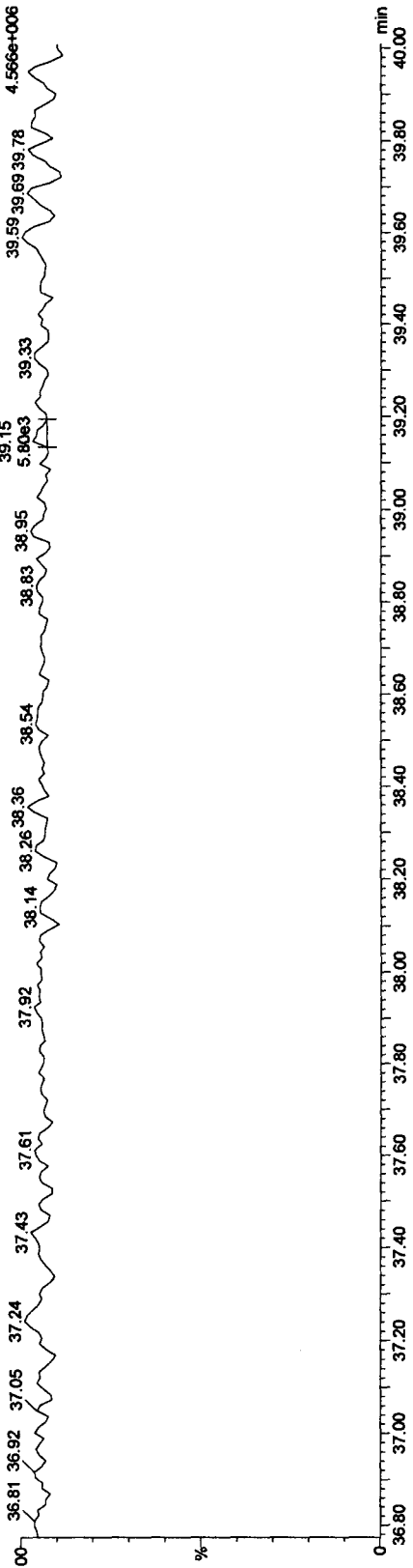
F5:Voltage SIR EI+
513.67750
2.943e+003



Function 5 PFK

17DE103D5_16 Smooth(SG,1x2)
CS3 10DXN505 ST1217A

F5:Voltage SIR EI+
442.97280
4.566e+006



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

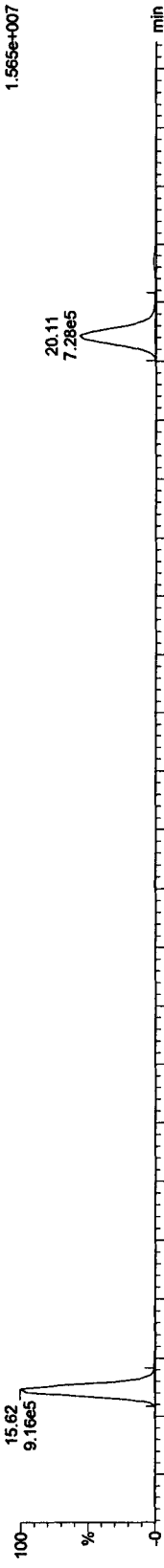
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

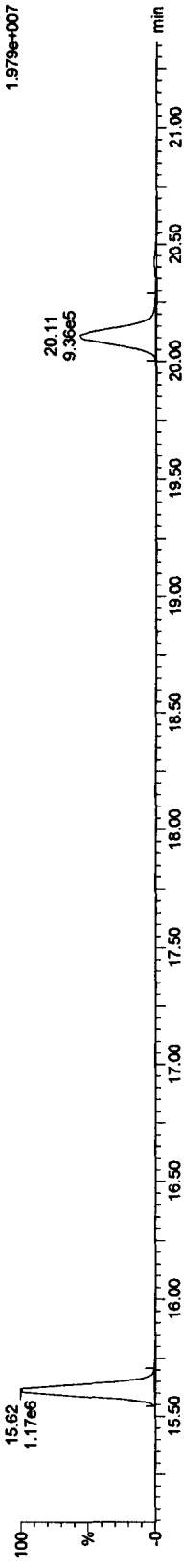
Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

TCDFs

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

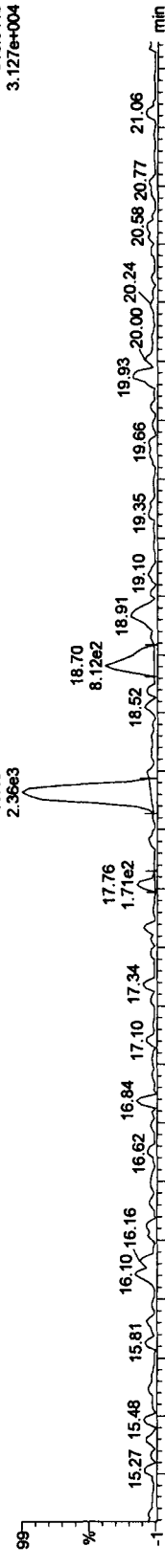


17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

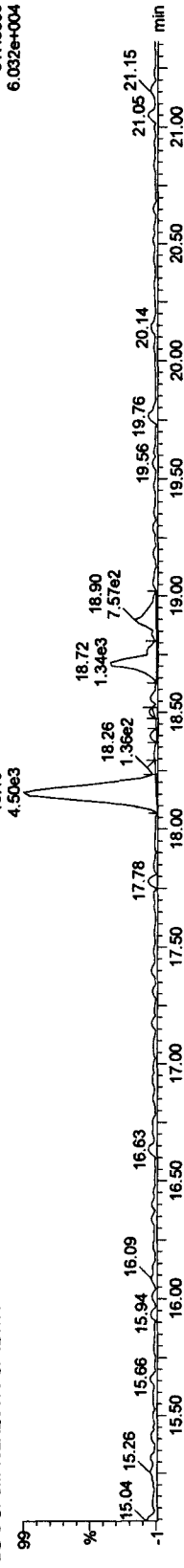


13C-TCDF

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

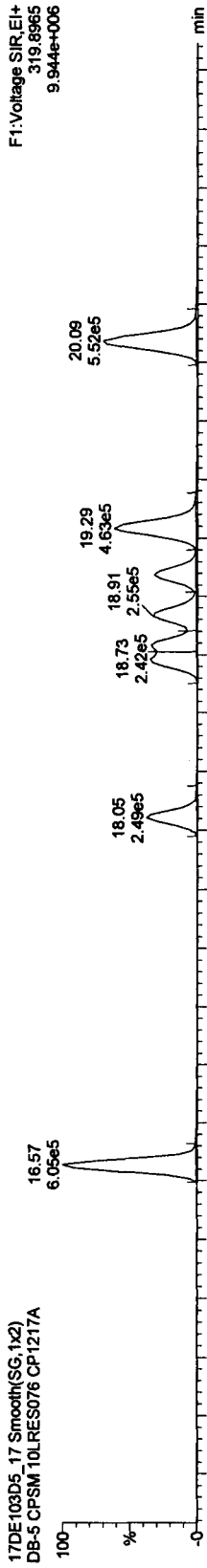
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

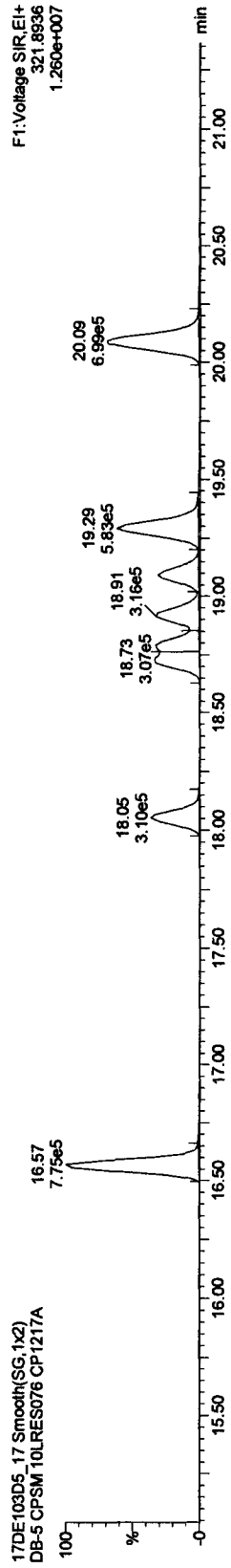
Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

TCDDs

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

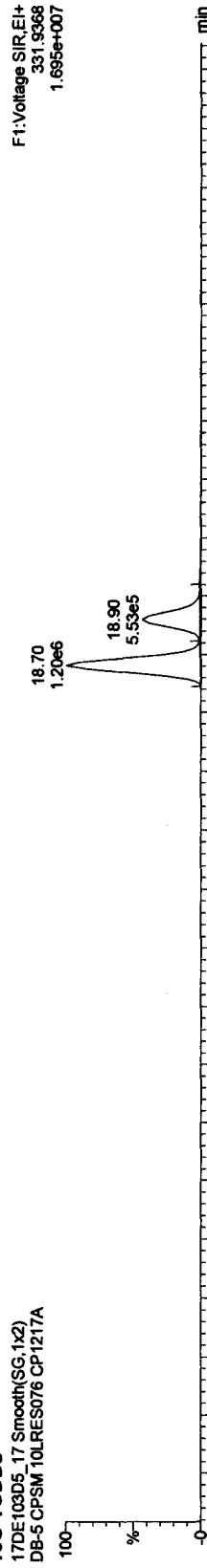


17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

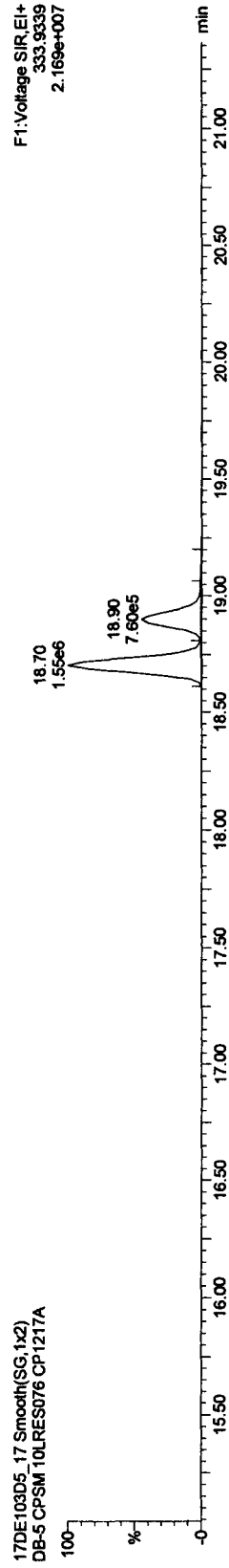


13C-TCDDs

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

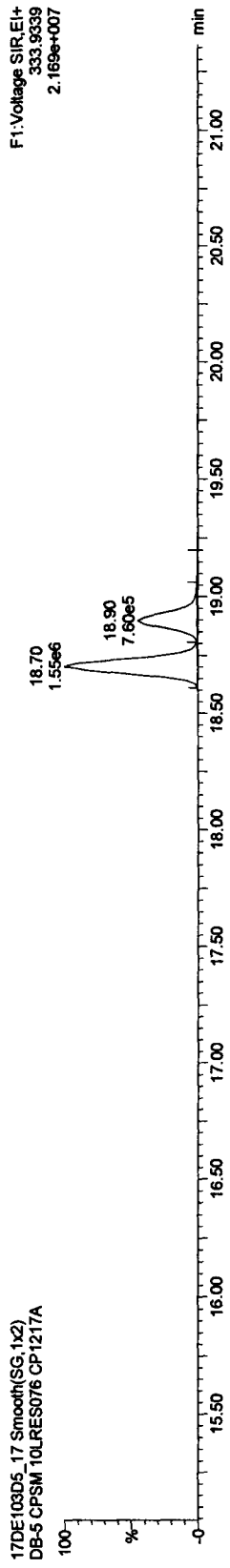
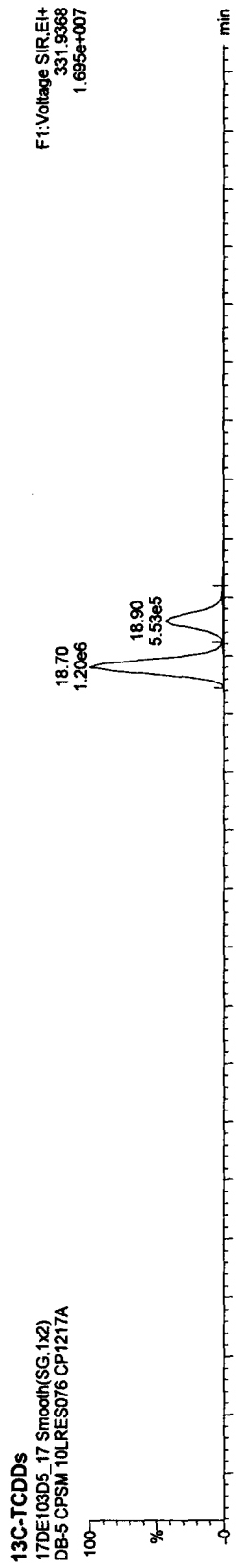
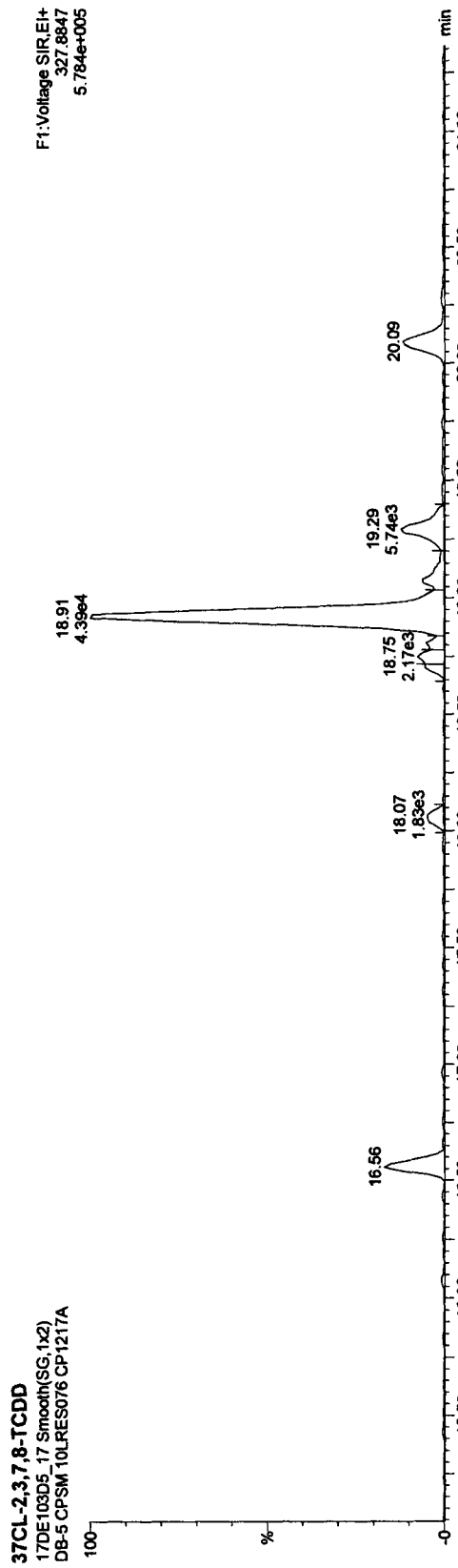


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076



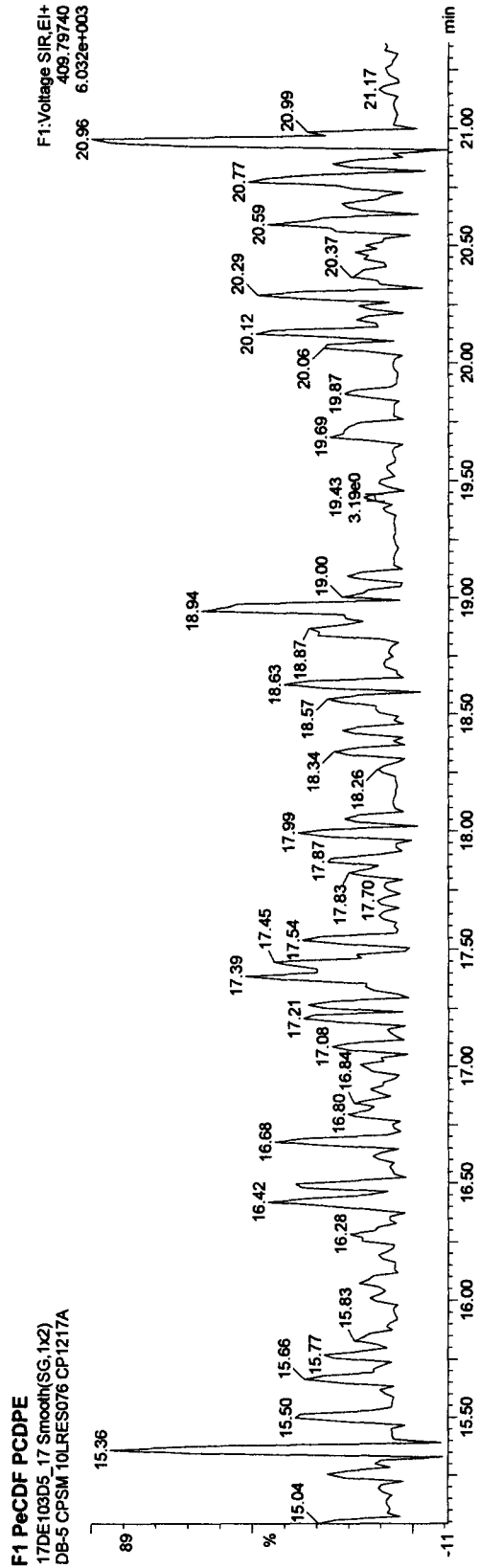
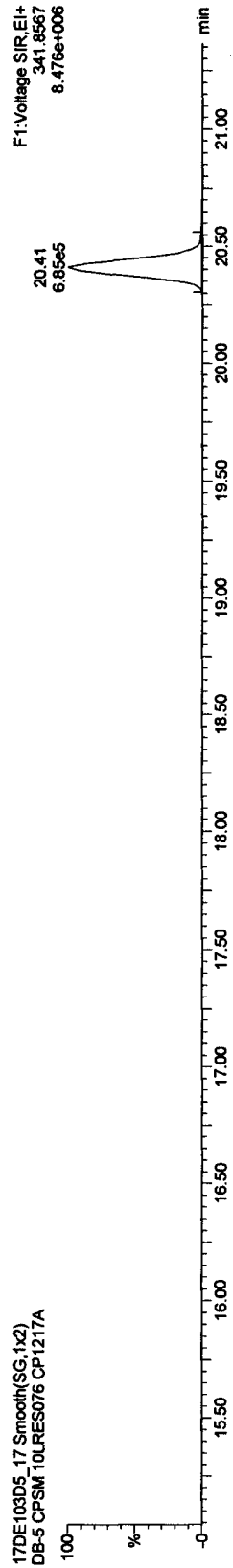
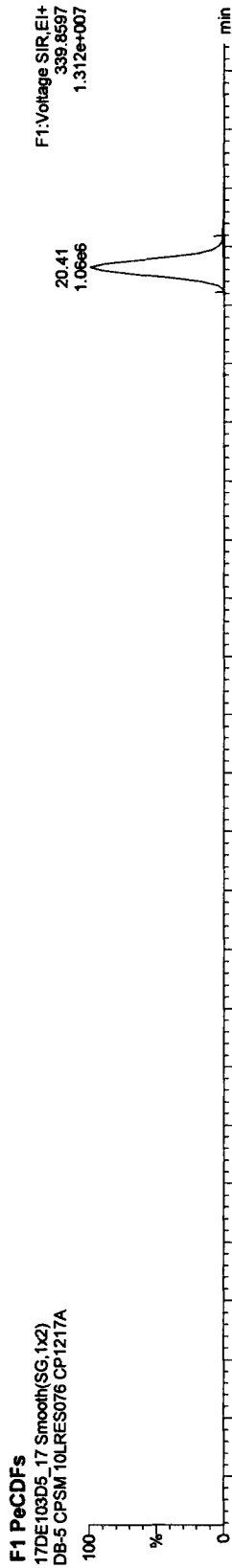
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

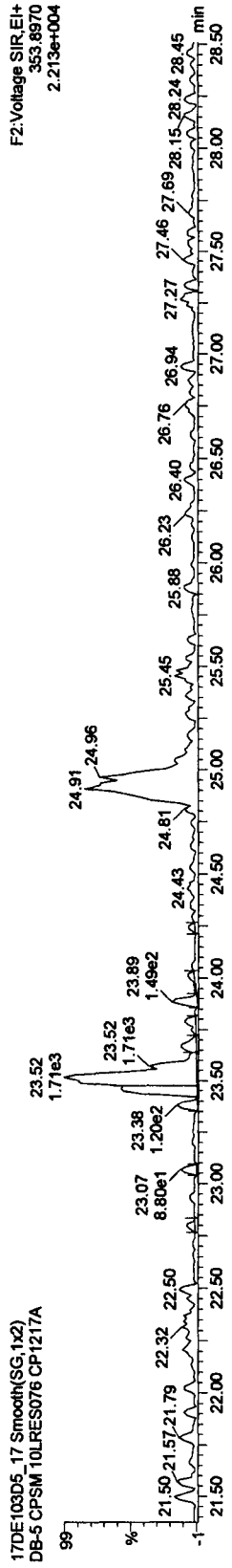
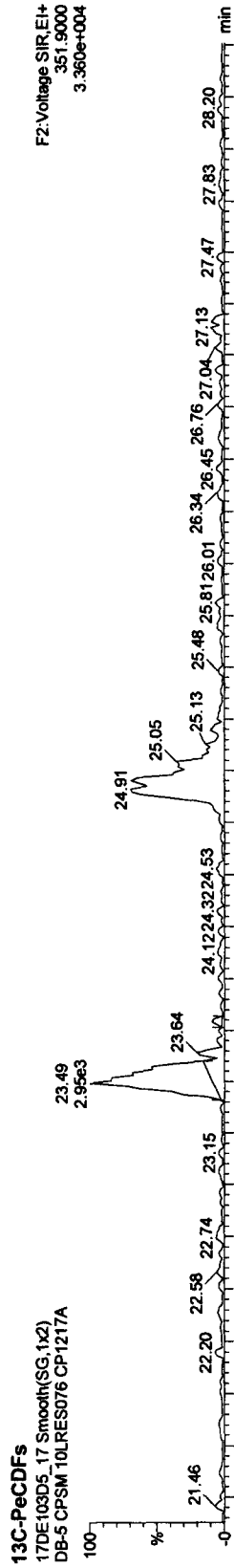
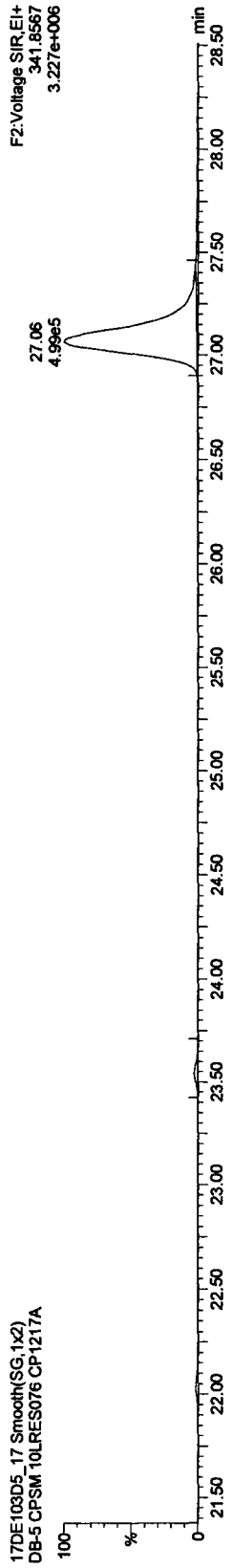
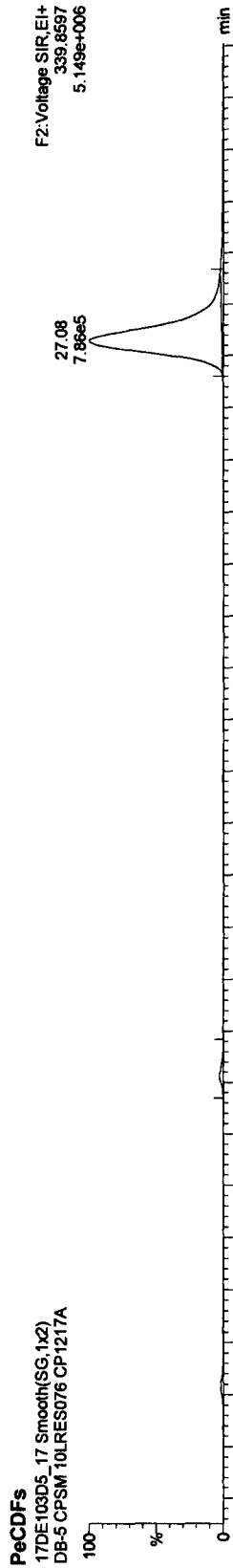


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076



Quantify Sample Report MassLynx 4.1

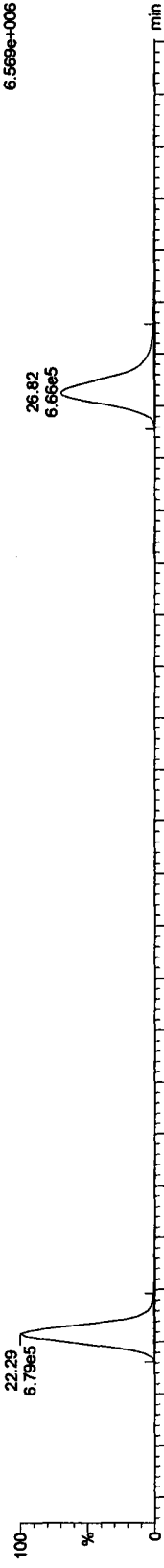
Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

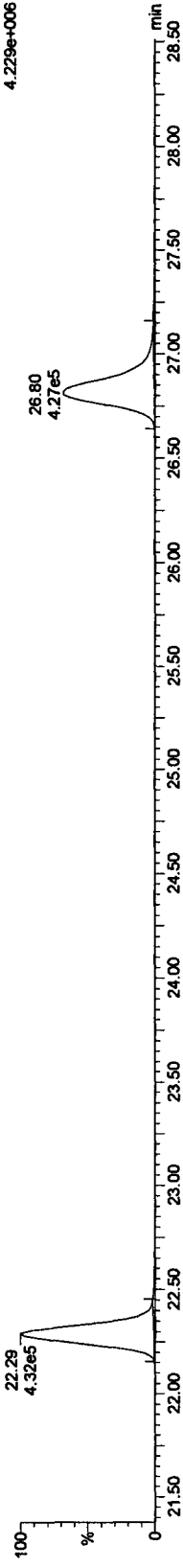
Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

PeCDDs

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

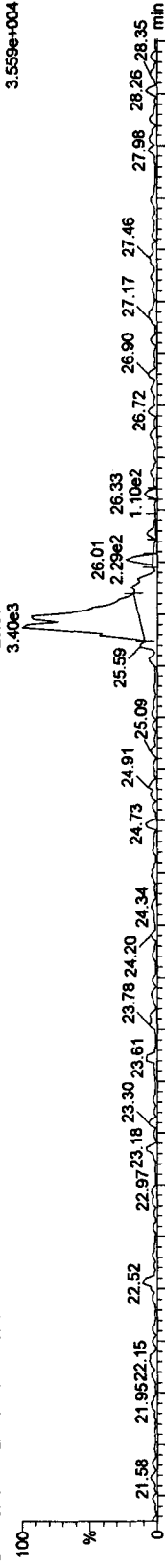


17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

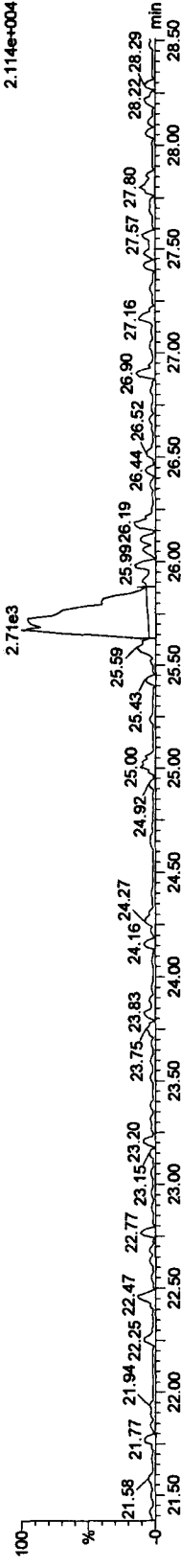


13C-PeCDD

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



Quantify Sample Report MassLynx 4.1

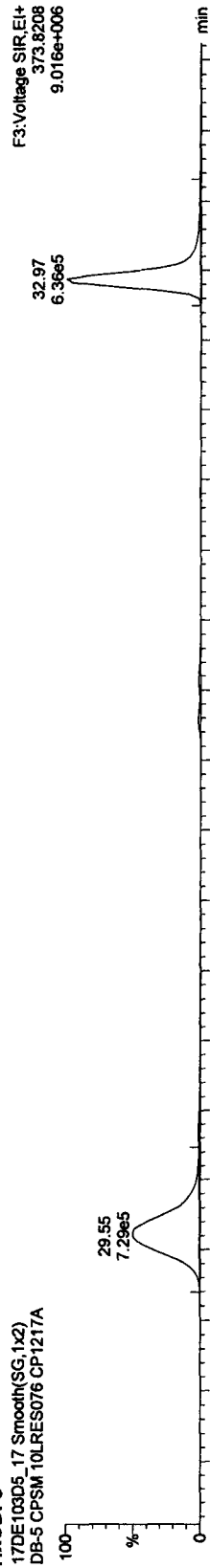
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

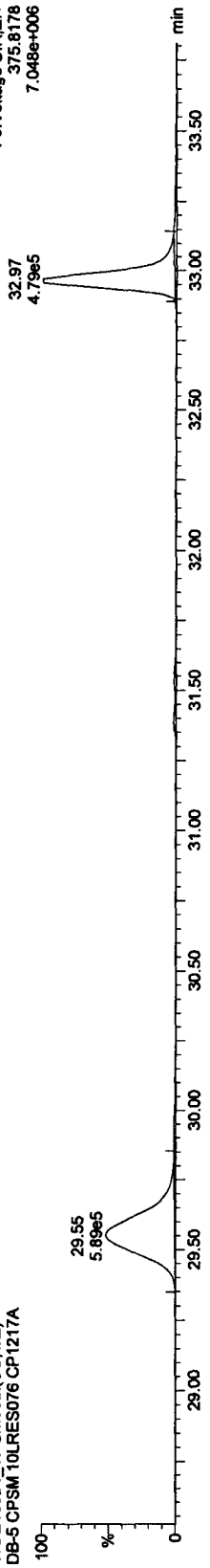
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

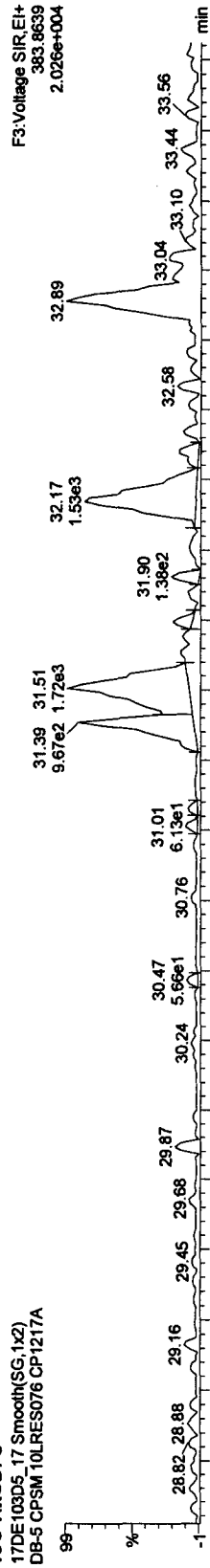
HxCDFs



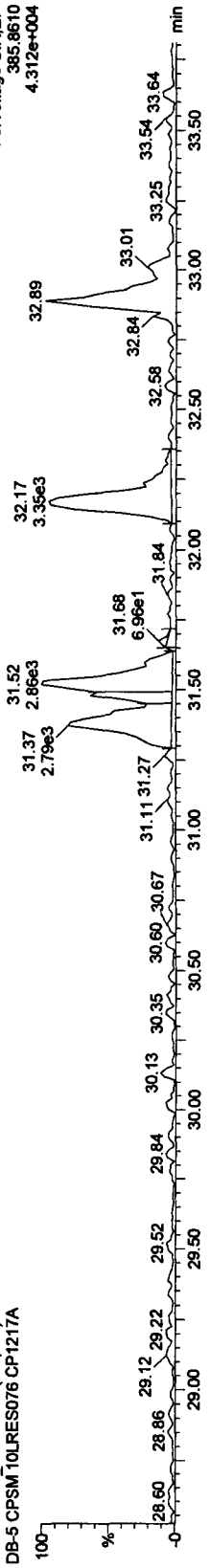
HxCDFs



13C-HxCDFs



HxCDFs

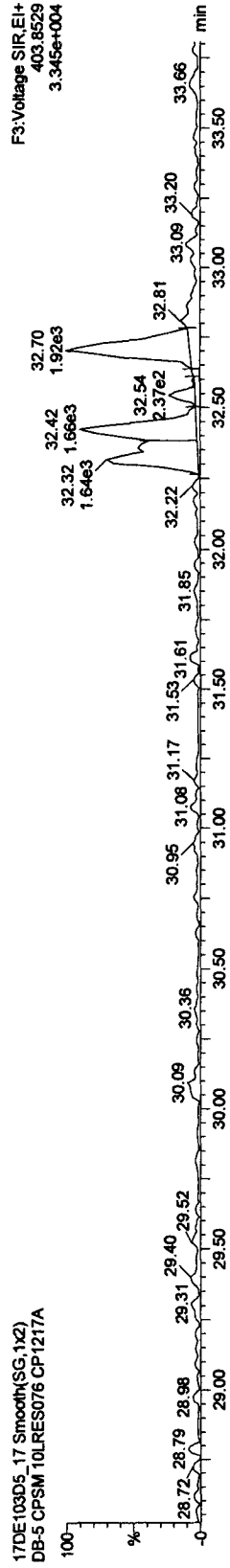
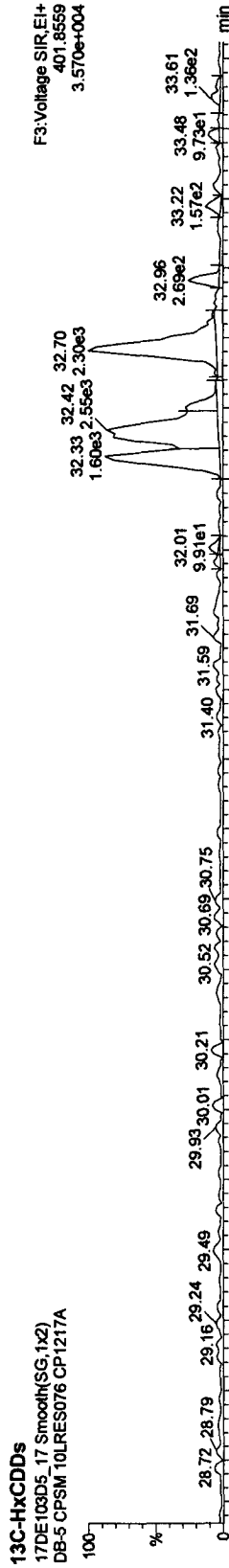
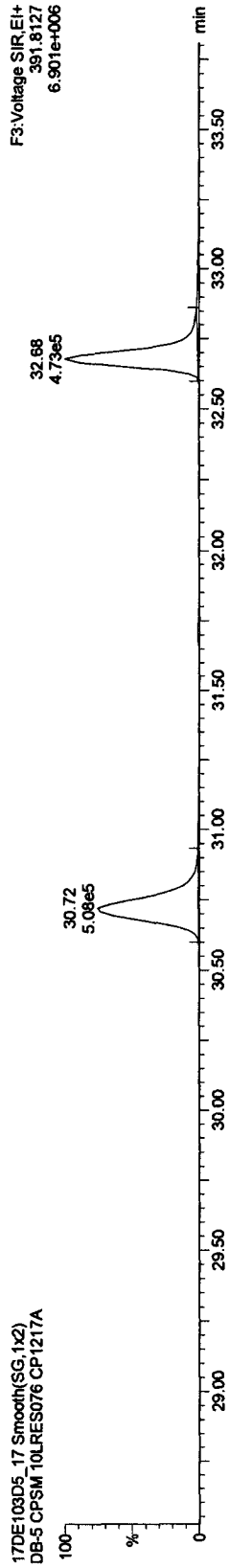
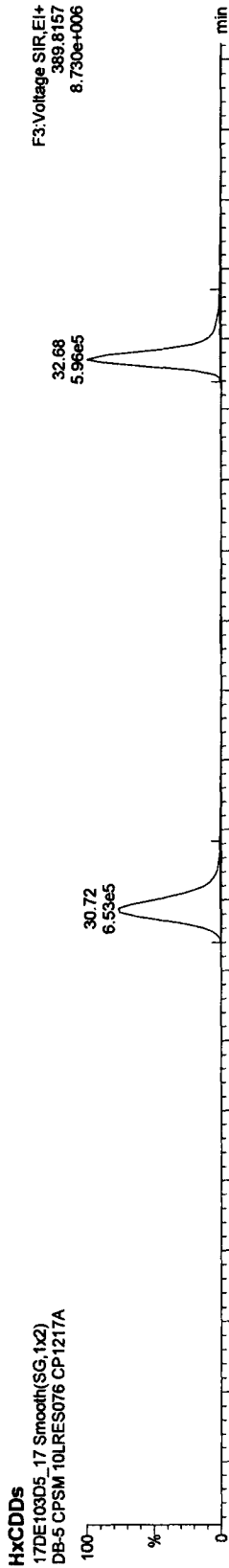


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076



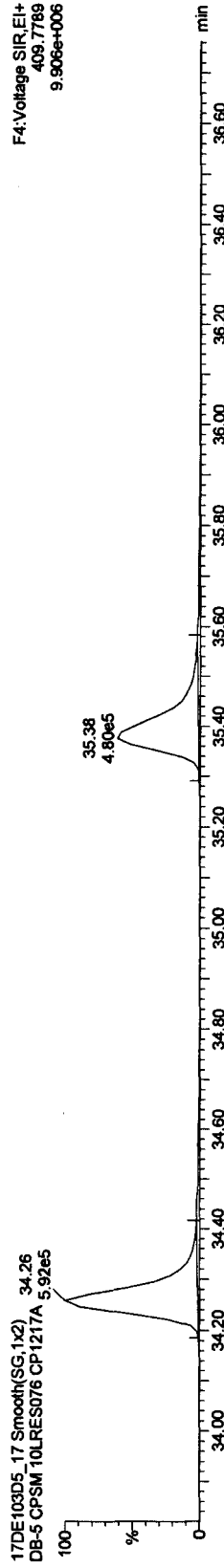
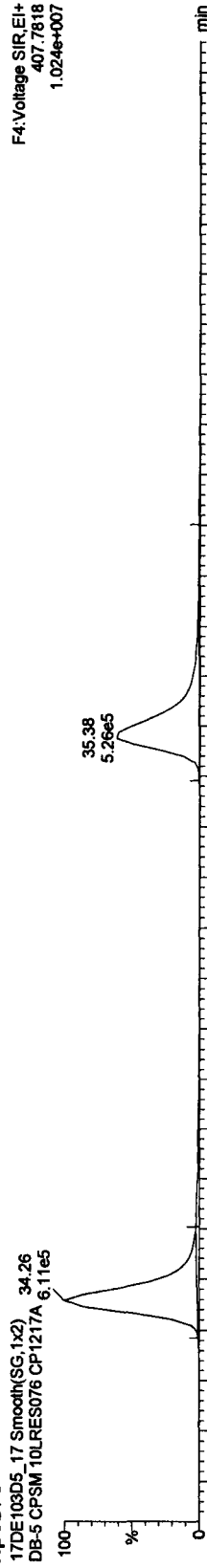
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

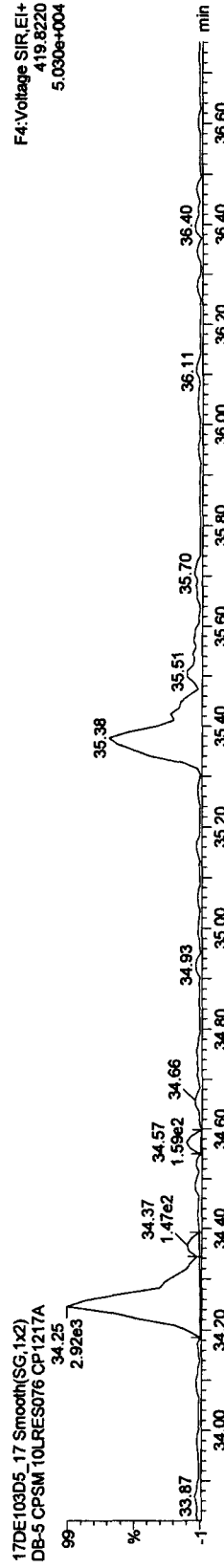
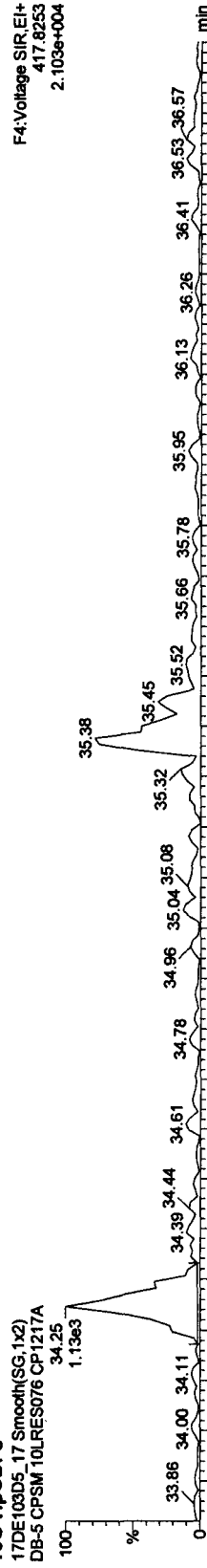
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

HpCDFs



13C-HpCDFs

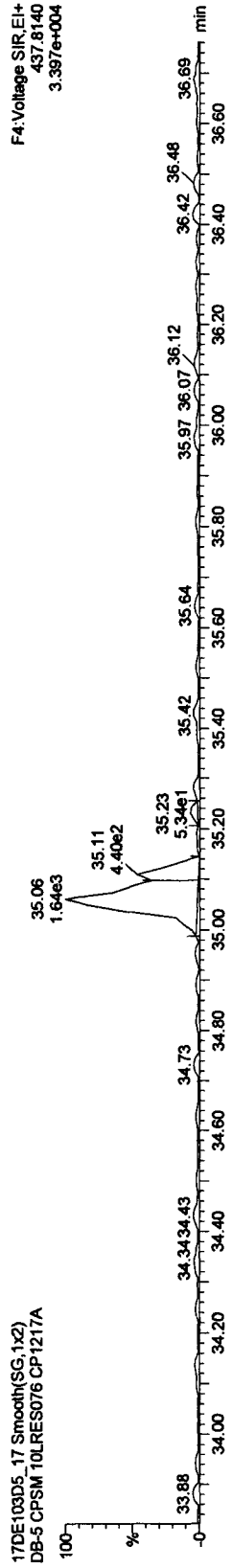
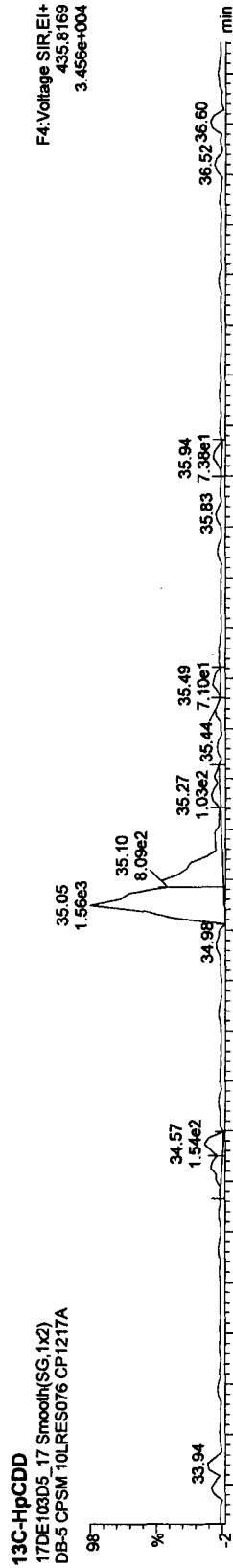
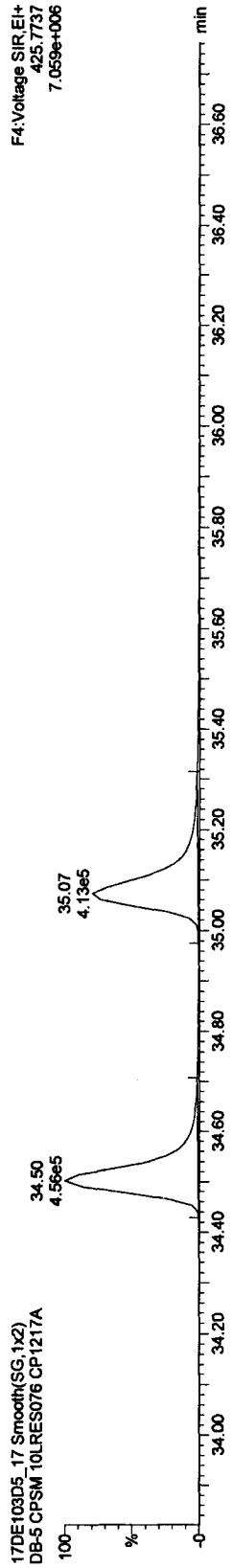
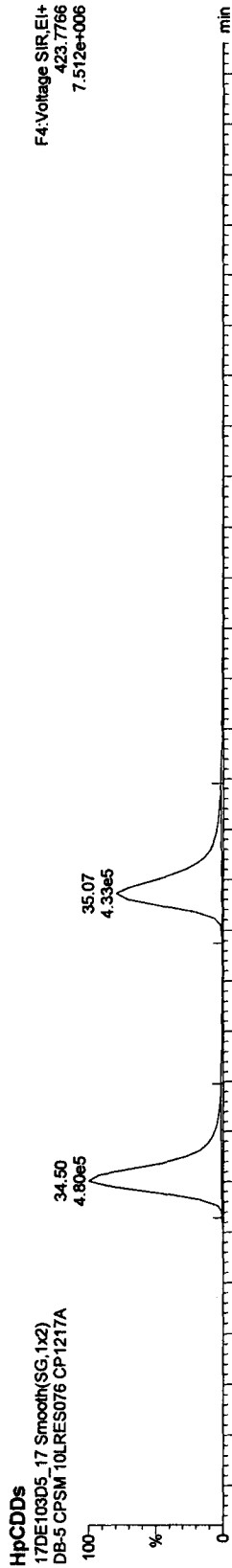


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

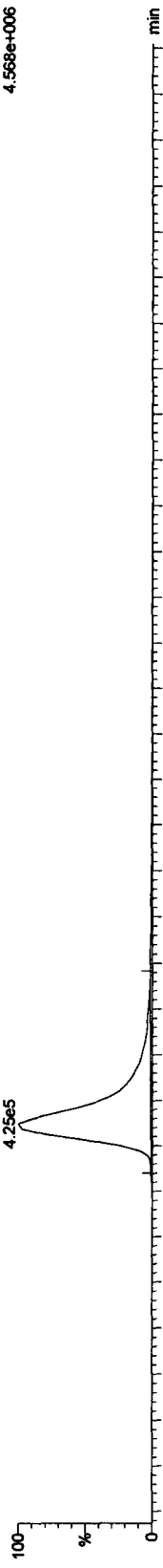
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

OCDFs

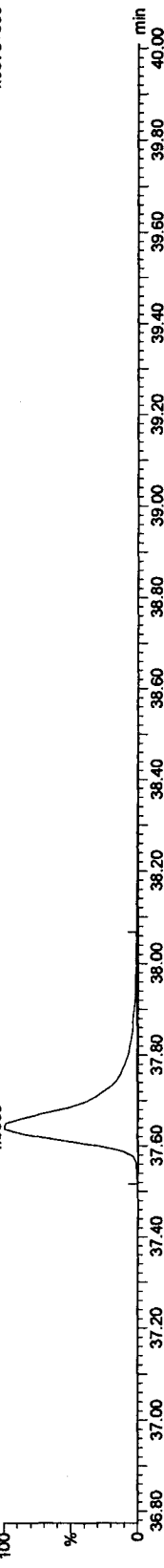
17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

F5:Voltage SIR,EI+
441.7428
4.568e+006



17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

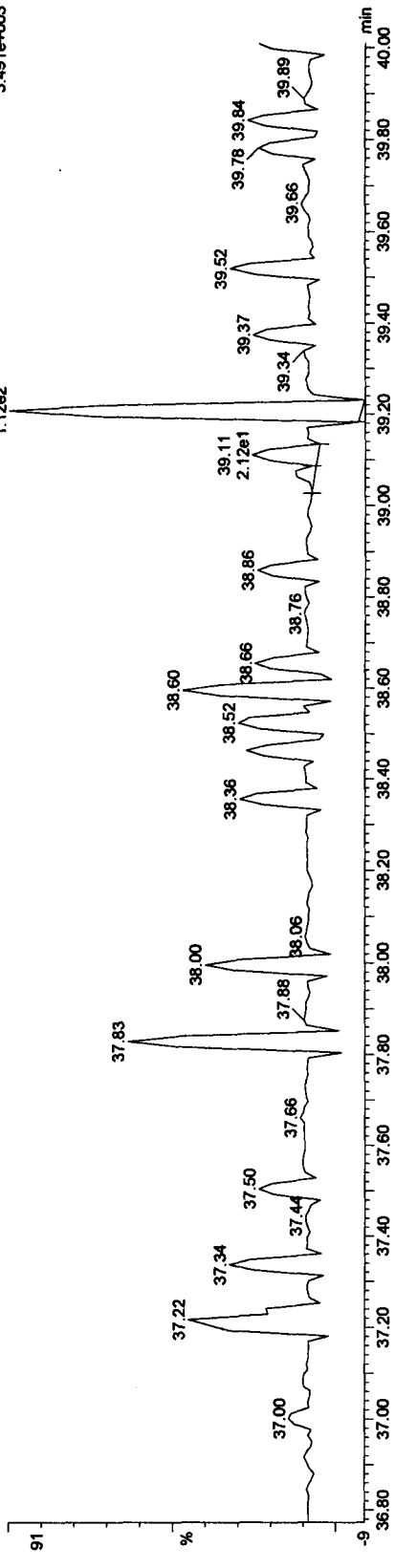
F5:Voltage SIR,EI+
443.7399
4.987e+006



OCDF PCDFE

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

F5:Voltage SIR,EI+
513.67750
3.491e+003



Quantify Sample Report MassLynx 4.1

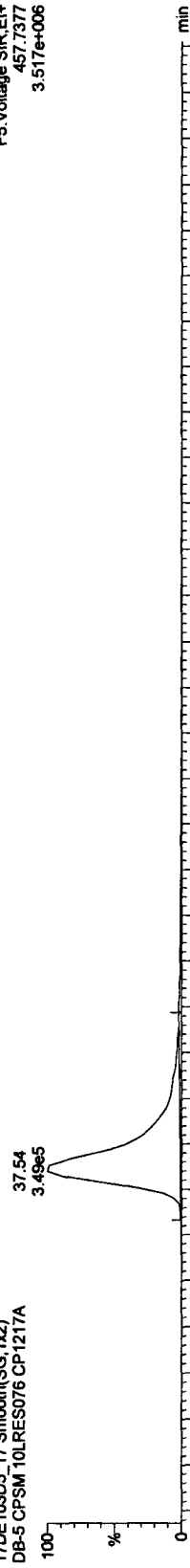
Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

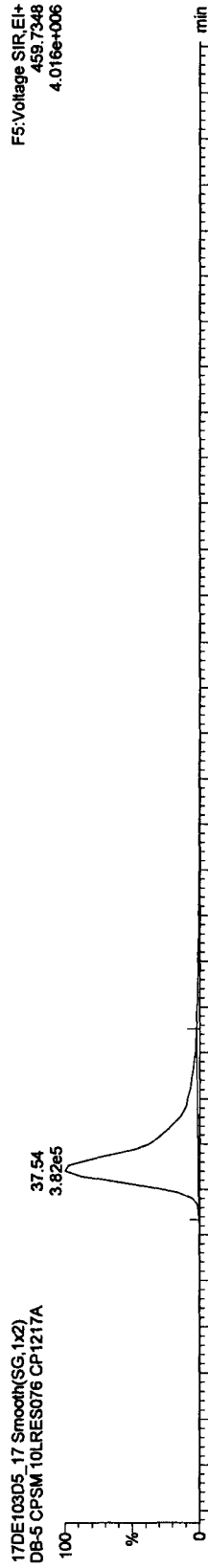
Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

OCDD

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

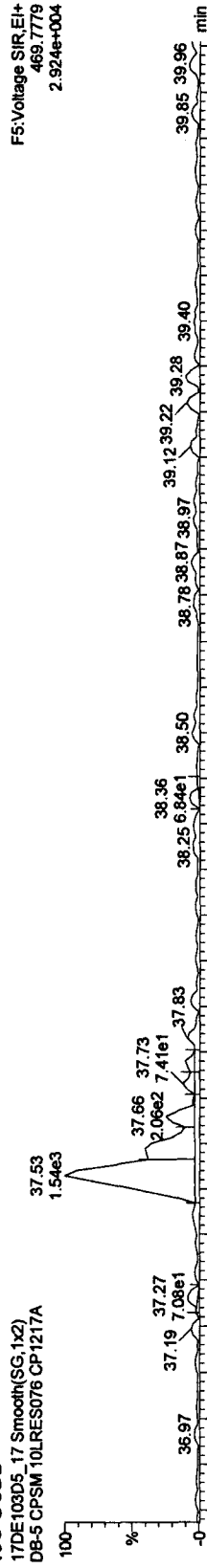


17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

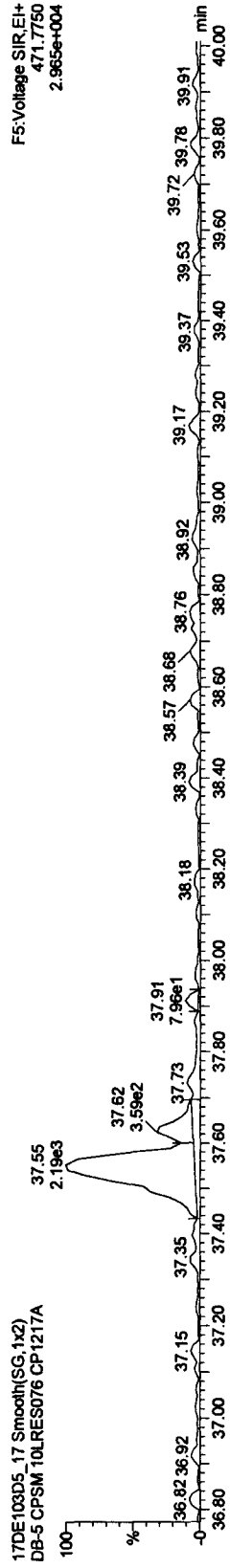


13C-OCDD

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



Quantify Sample Report MassLynx 4.1

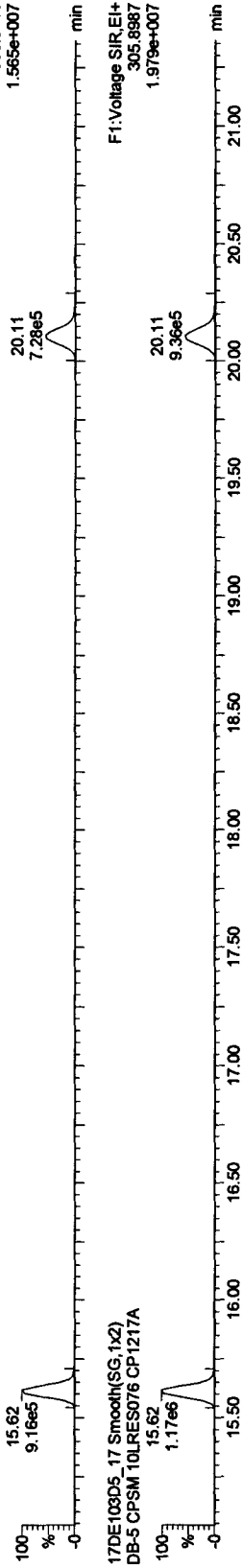
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

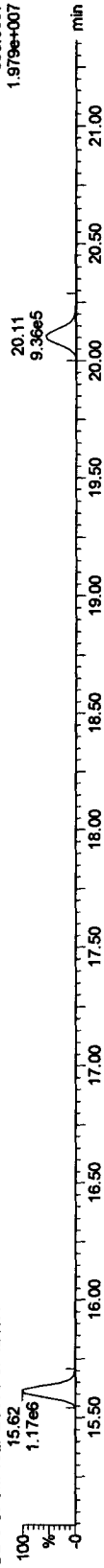
Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

TCDFs

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

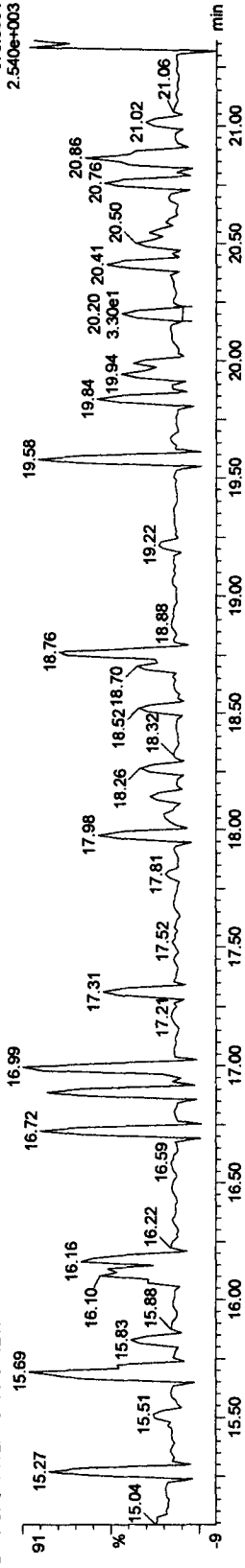


17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



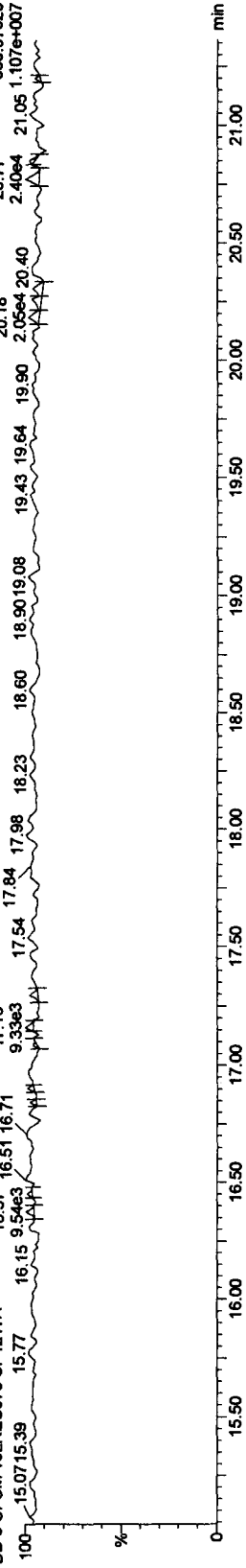
TCDF PCDPE

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A



Function 1 PFK

17DE103D5_17 Smooth(SG,1x2)
DB-5 CPSM 10LRES076 CP1217A

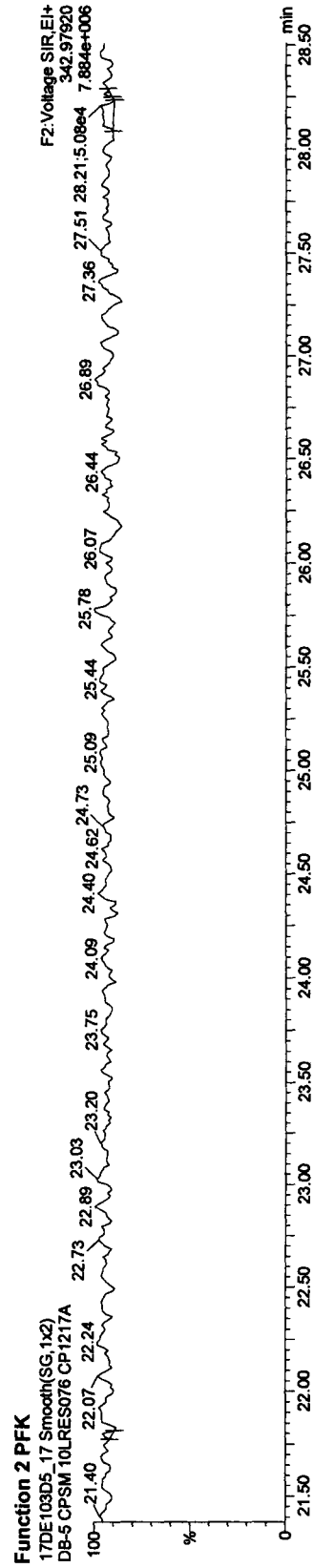
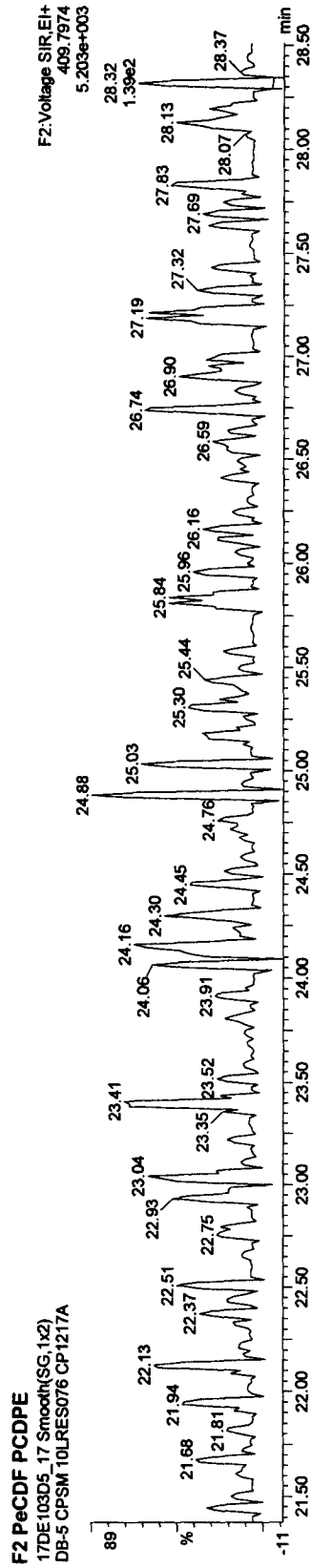
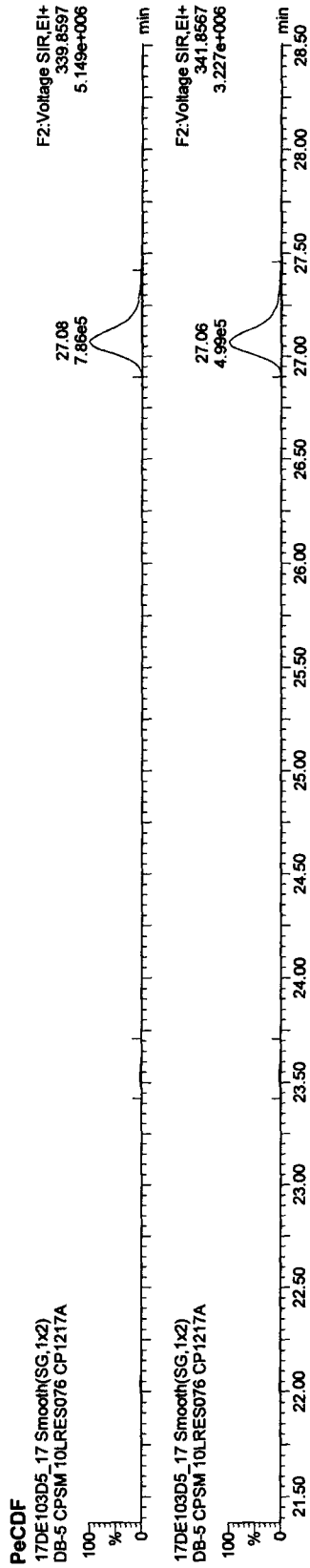


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

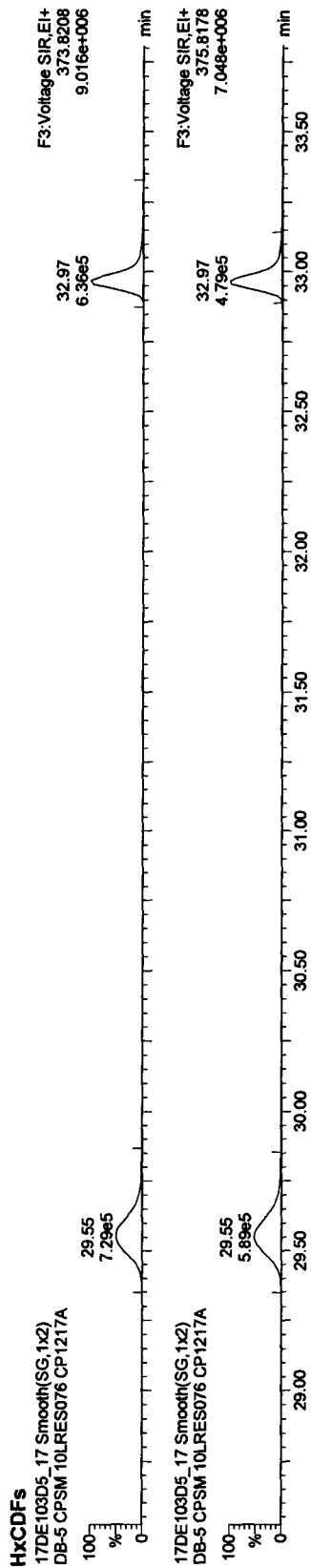


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076



Quantify Sample Report MassLynx 4.1

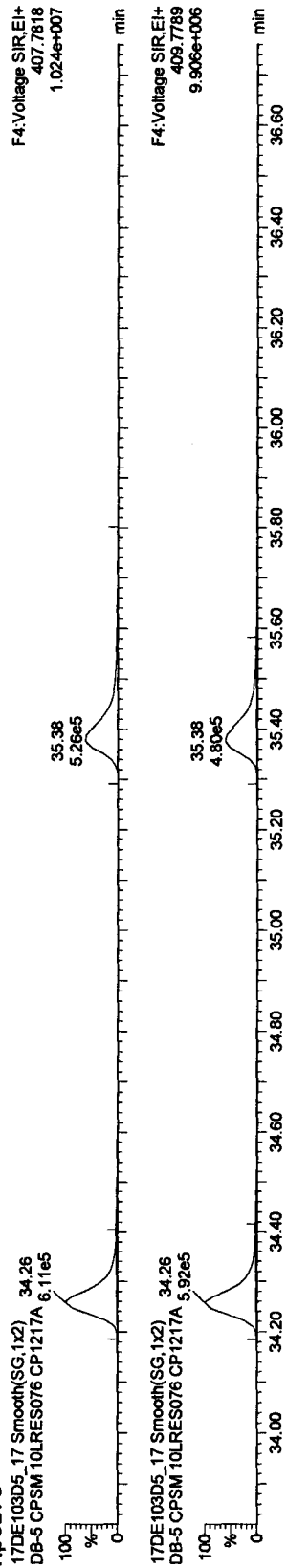
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

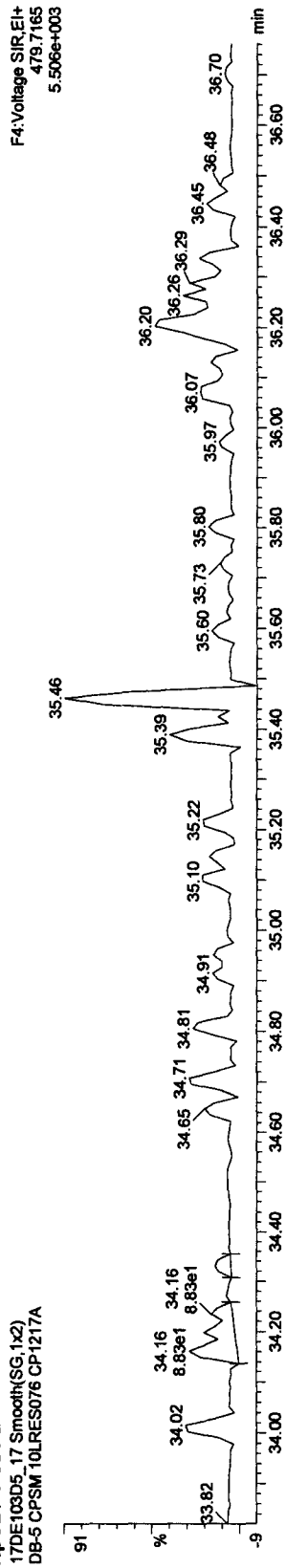
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

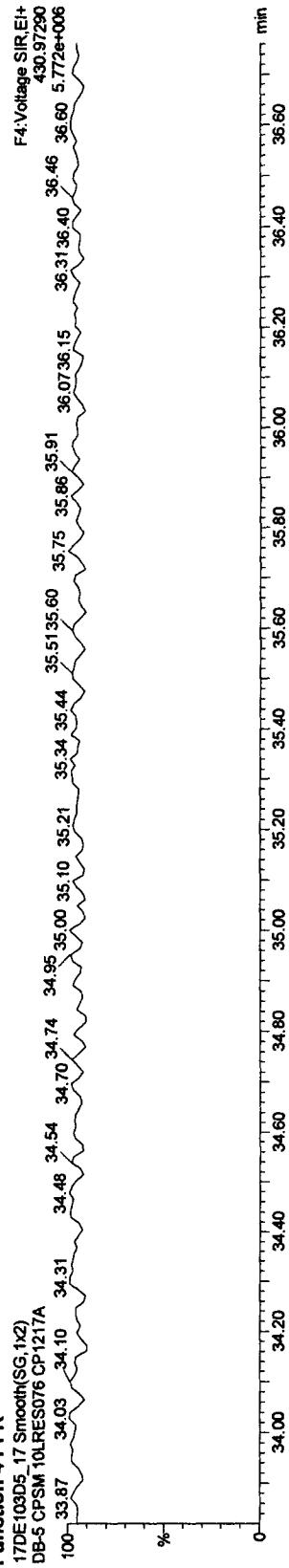
HpCDFs



HpCDF PCDFE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

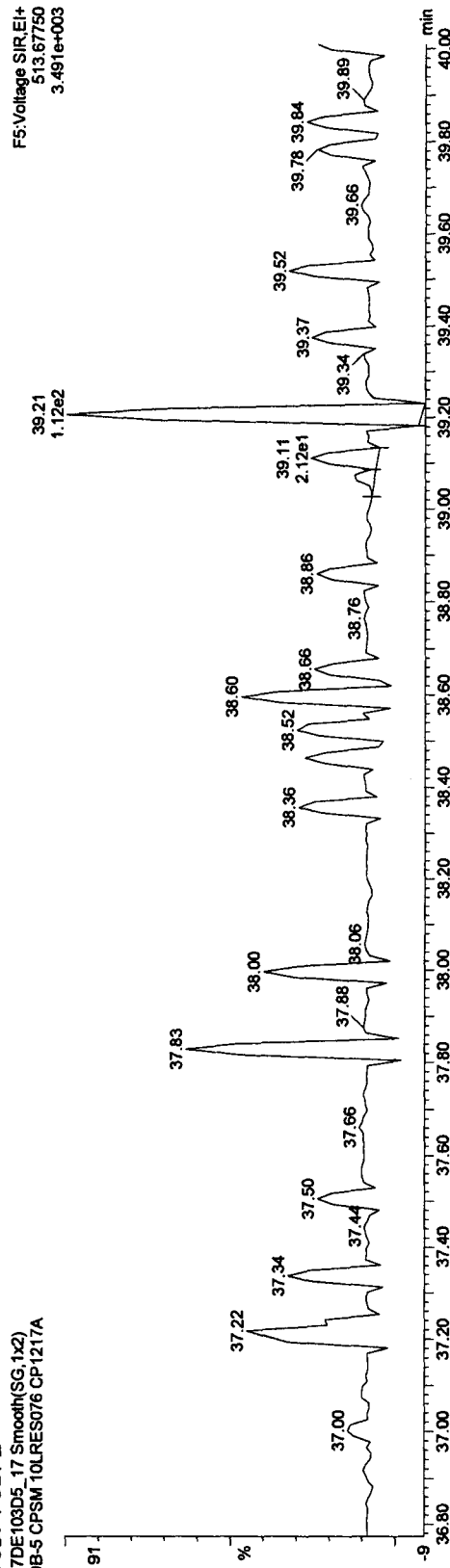
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_17, Date: 17-Dec-2010, Time: 20:27:49, ID: CP1217A, Description: DB-5 CPSM 10LRES076

OCDF PCDPE

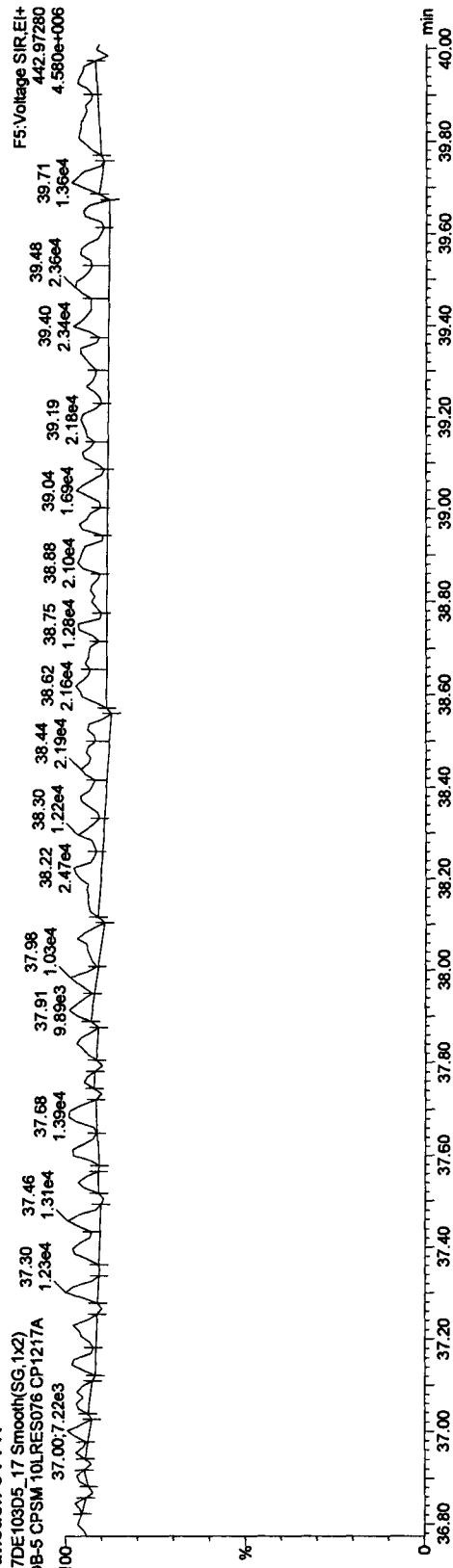
17DE103D5_17 Smooth(SG,1x2)
 DB-5 CPSM 10LRES076 CP1217A



F5:Voltage SIR,EI+
 513.67750
 3.491e+003

Function 5 PFK

17DE103D5_17 Smooth(SG,1x2)
 DB-5 CPSM 10LRES076 CP1217A



F5:Voltage SIR,EI+
 442.97280
 4.580e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

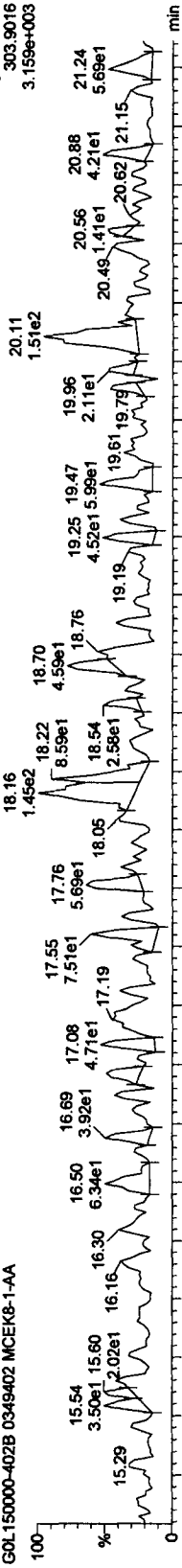
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

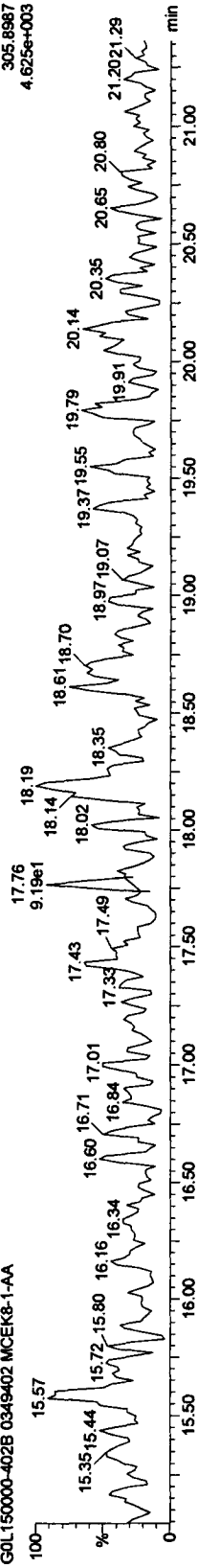
Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

TCDFs

17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

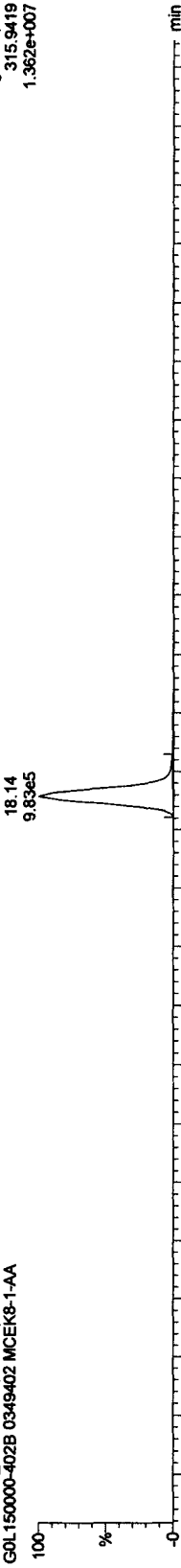


17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

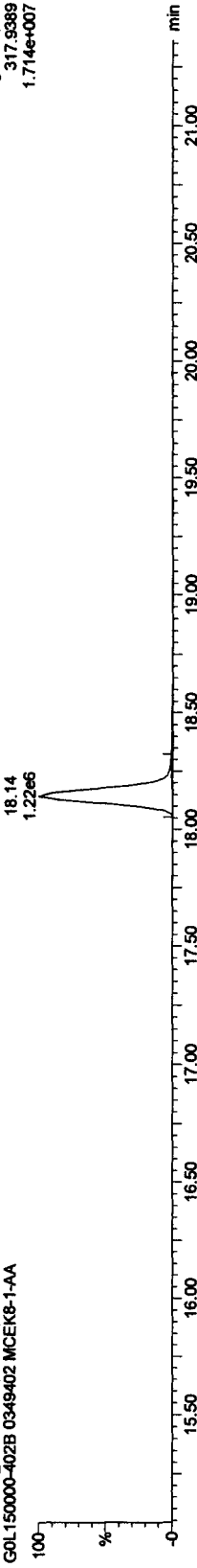


13C-TCDF

17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA



17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA



Quantify Sample Report MassLynx 4.1

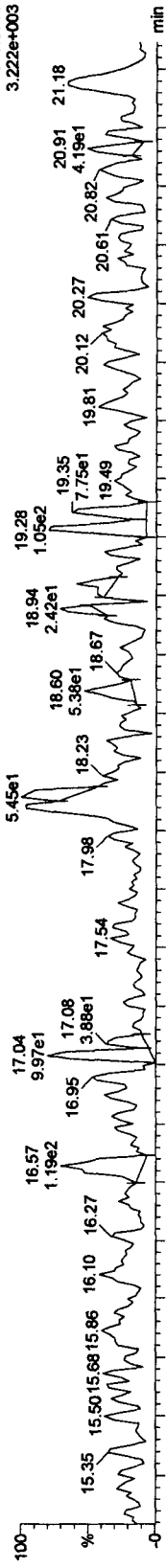
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

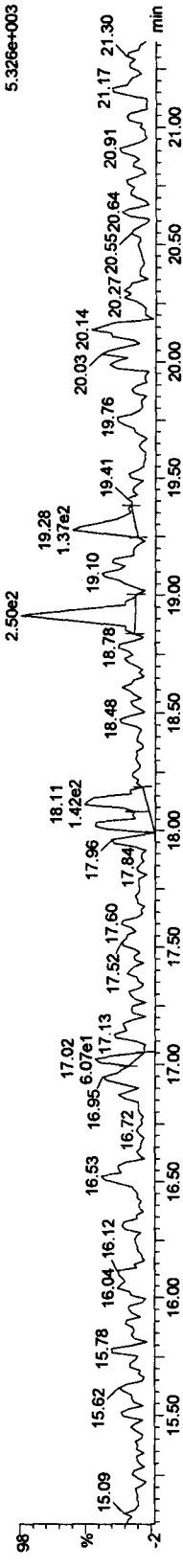
Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

TCDDs

17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA

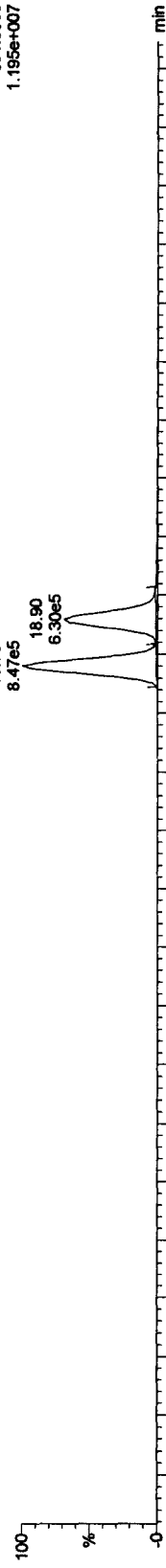


17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA

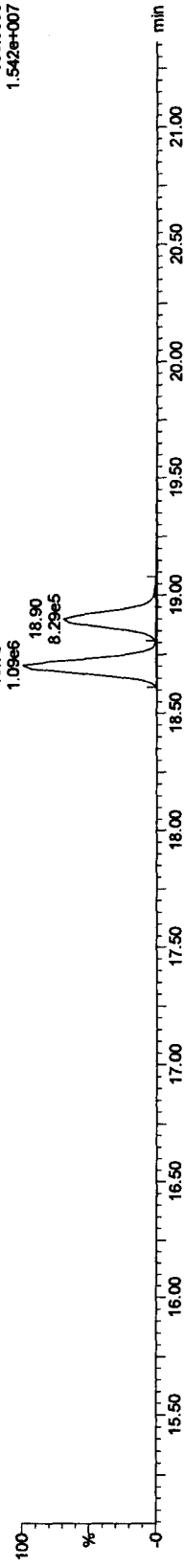


13C-TCDDs

17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA



17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

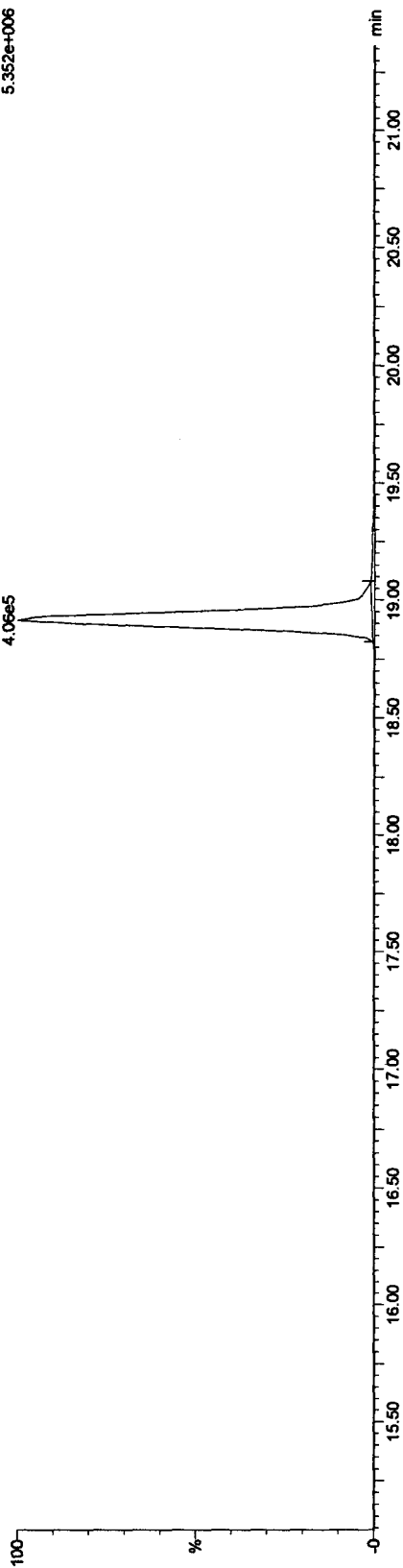
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

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

17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

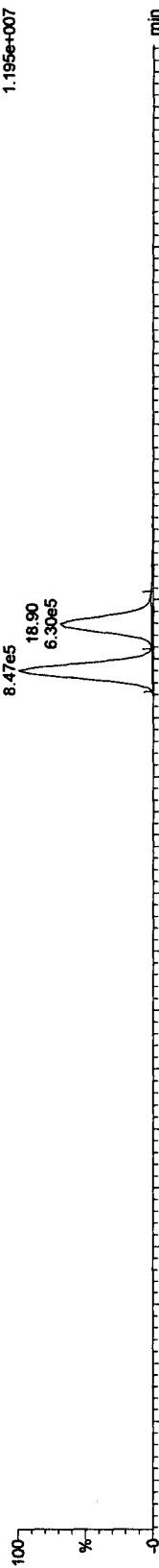
F1:Voltage SIR,EI+
327.8947
5.352e+006



13C-TCDDs

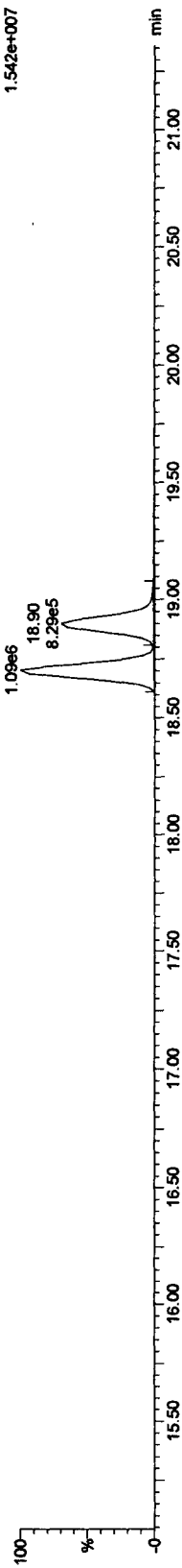
17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

F1:Voltage SIR,EI+
331.9368
1.195e+007



17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

F1:Voltage SIR,EI+
333.9339
1.542e+007

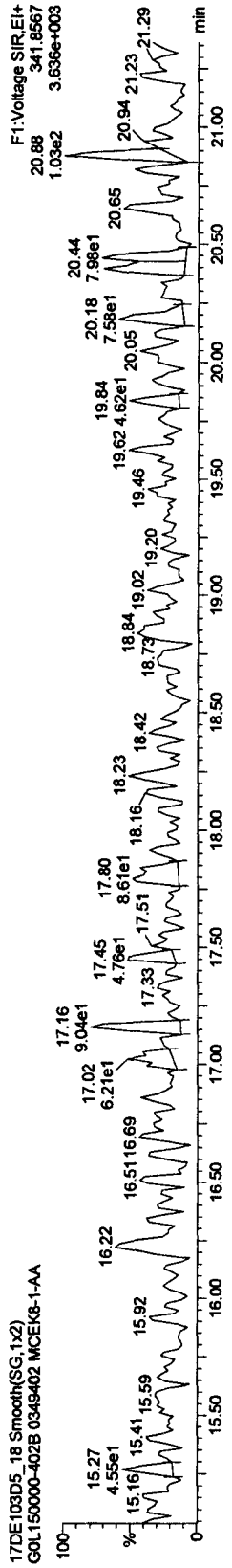
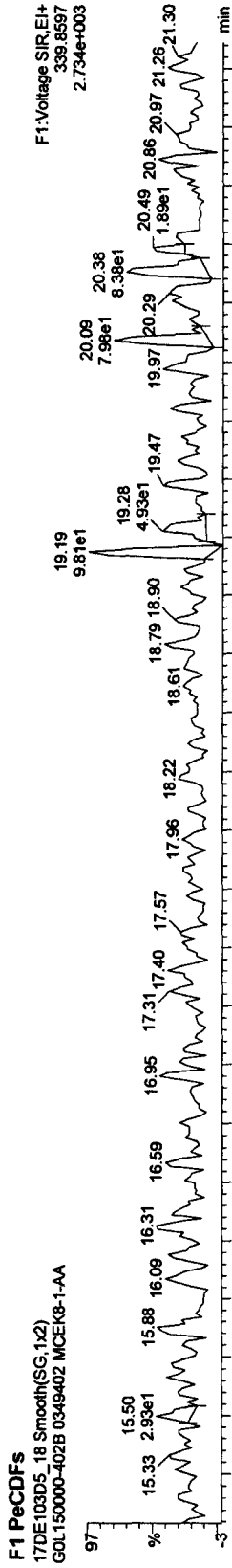


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

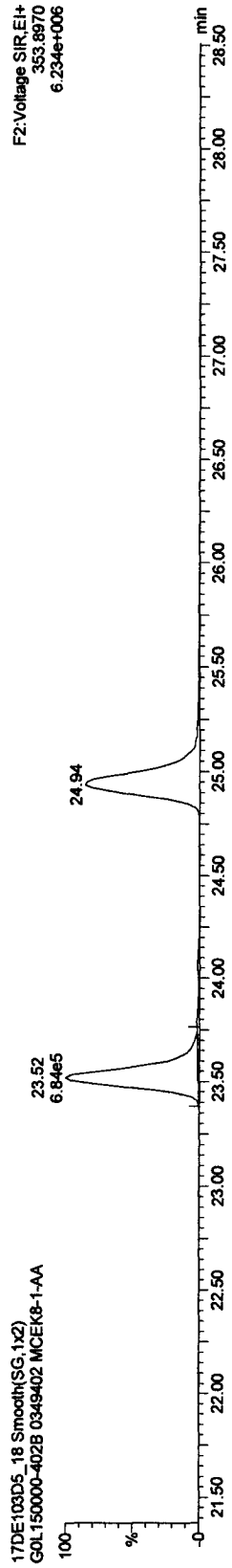
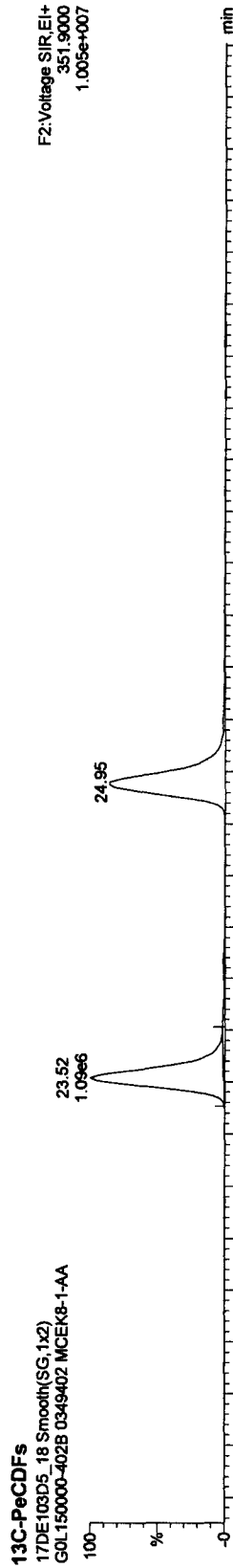
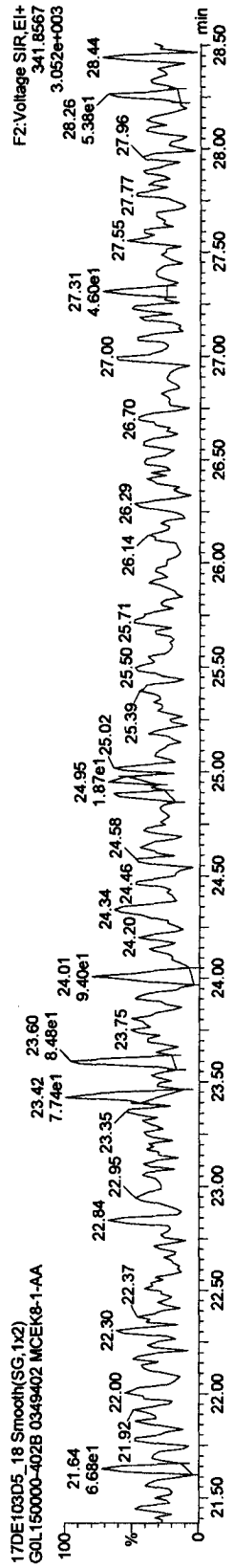
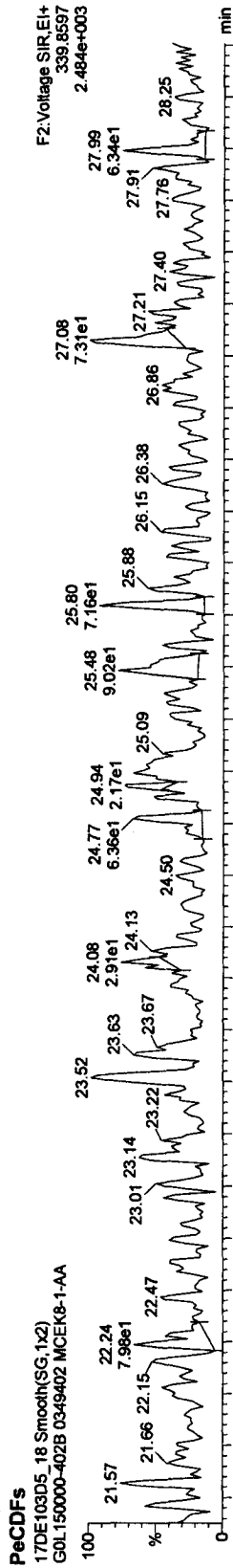


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402



Quantify Sample Report MassLynx 4.1

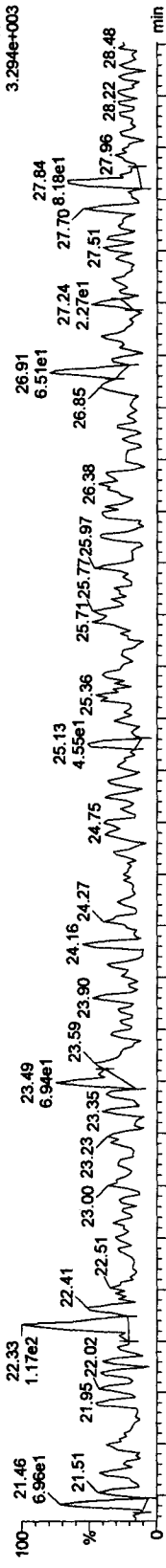
Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

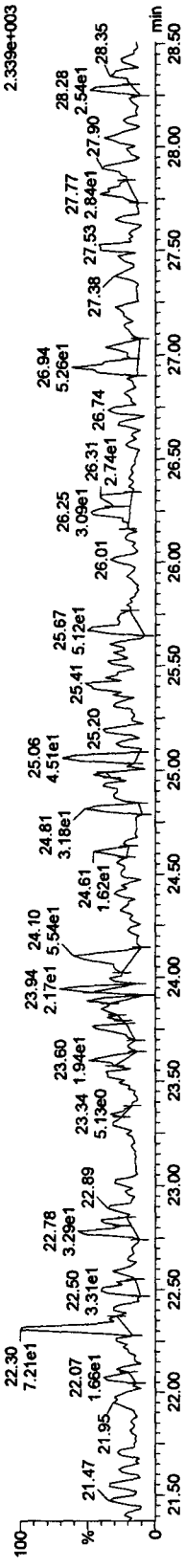
Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

PeCDDs

17DE103D5_18 Smooth(SG,1X2)
GOL150000-402B 0349402 MCEK8-1-AA

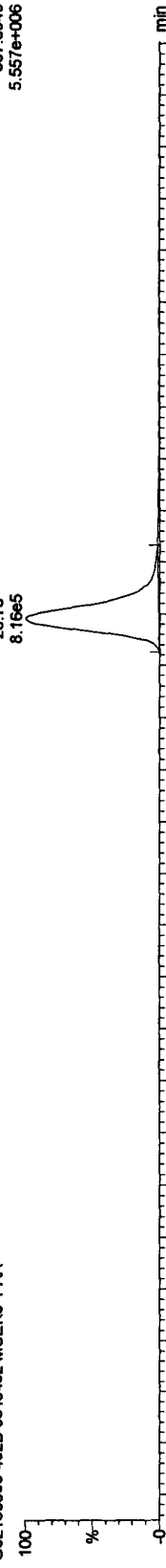


17DE103D5_18 Smooth(SG,1X2)
GOL150000-402B 0349402 MCEK8-1-AA

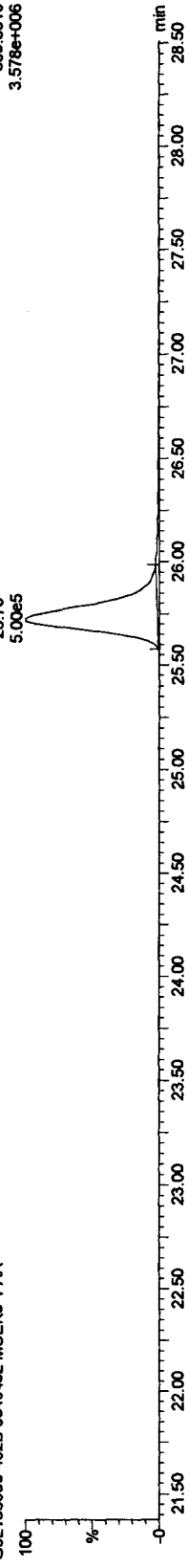


13C-PeCDD

17DE103D5_18 Smooth(SG,1X2)
GOL150000-402B 0349402 MCEK8-1-AA



17DE103D5_18 Smooth(SG,1X2)
GOL150000-402B 0349402 MCEK8-1-AA



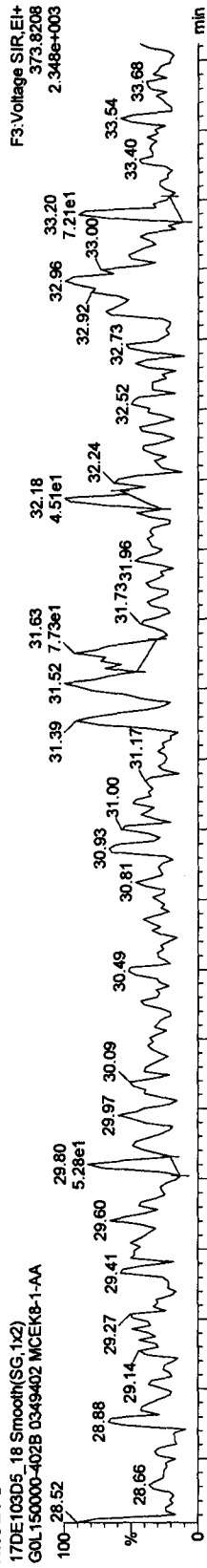
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

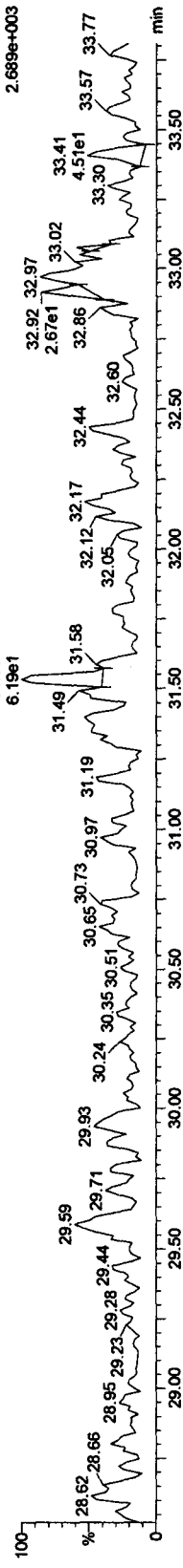
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

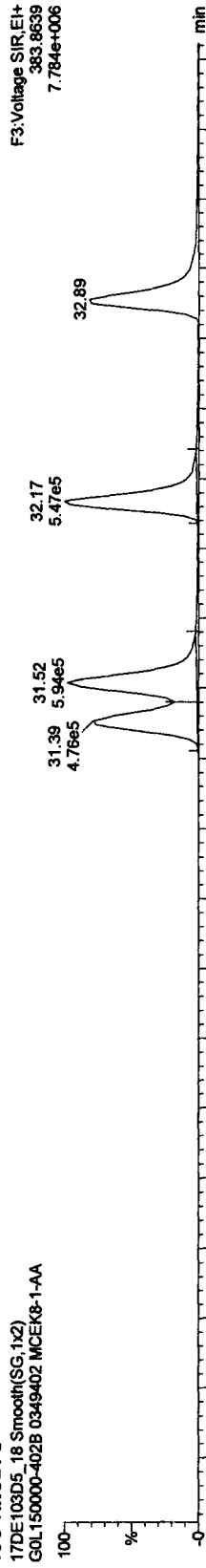
HxCDFs



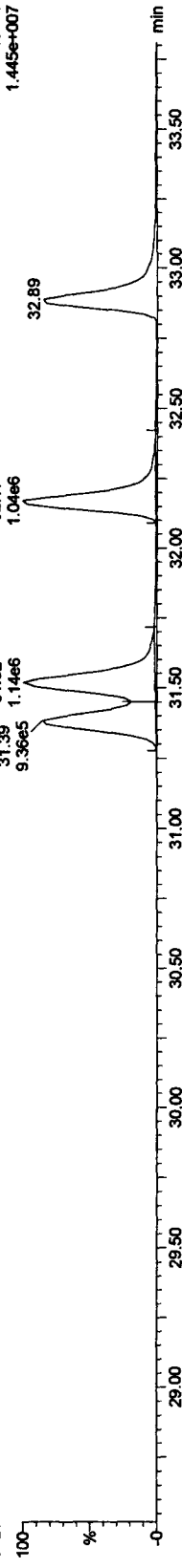
17DE103D5_18 Smooth(SG,1X2)
 GOL150000-402B 0349402 MCEK8-1-AA



13C-HxCDFs



17DE103D5_18 Smooth(SG,1X2)
 GOL150000-402B 0349402 MCEK8-1-AA

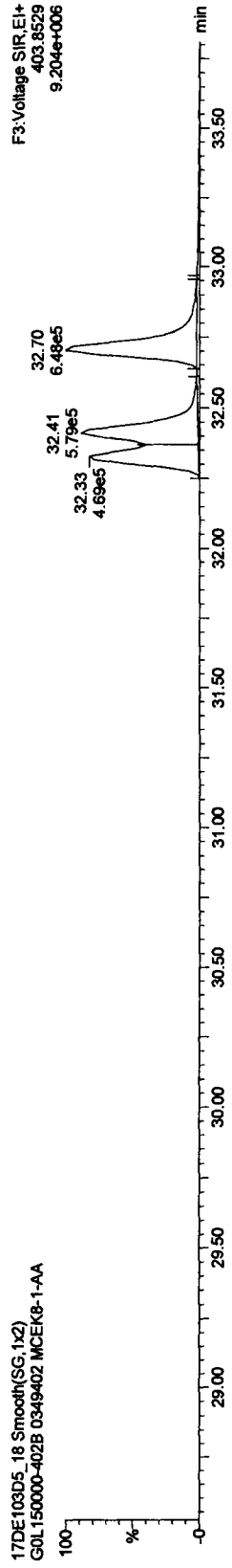
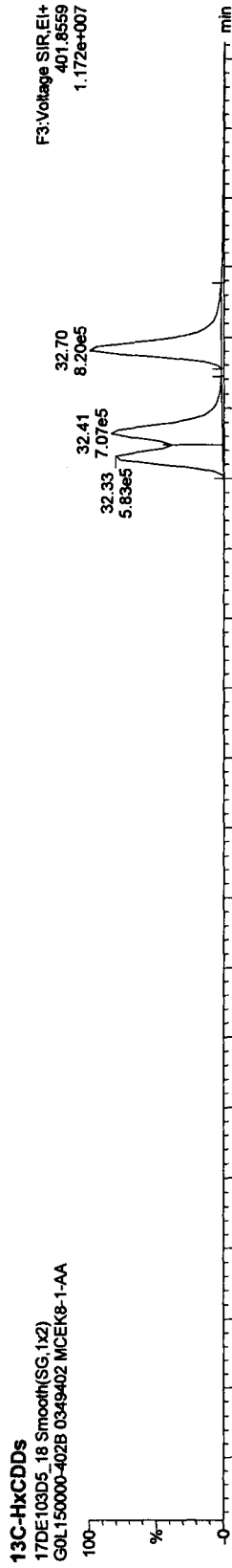
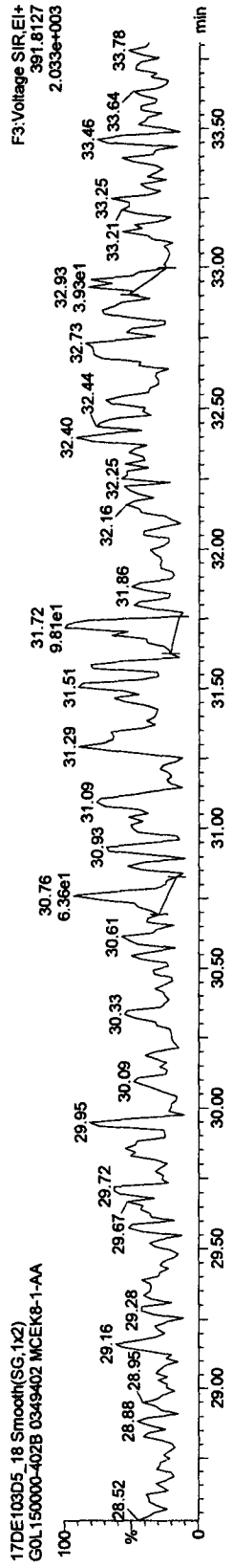
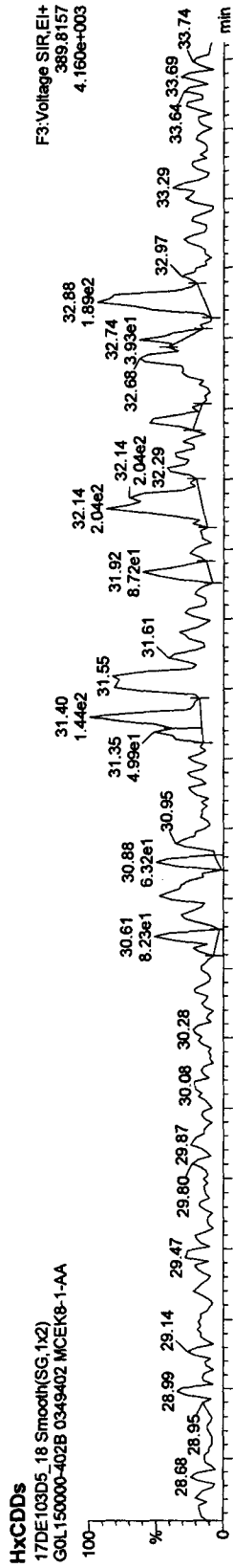


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402



Quantify Sample Report MassLynx 4.1

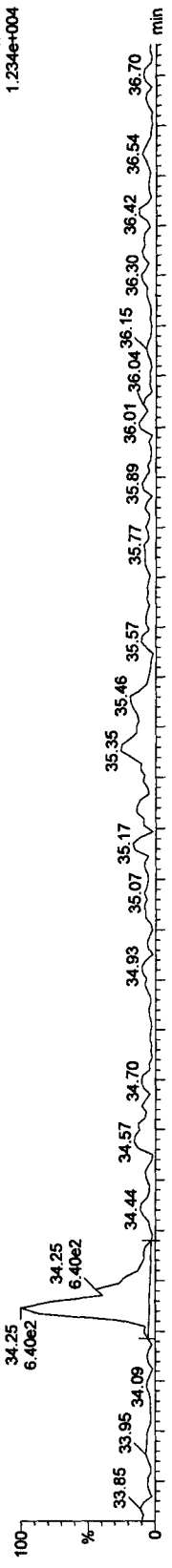
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

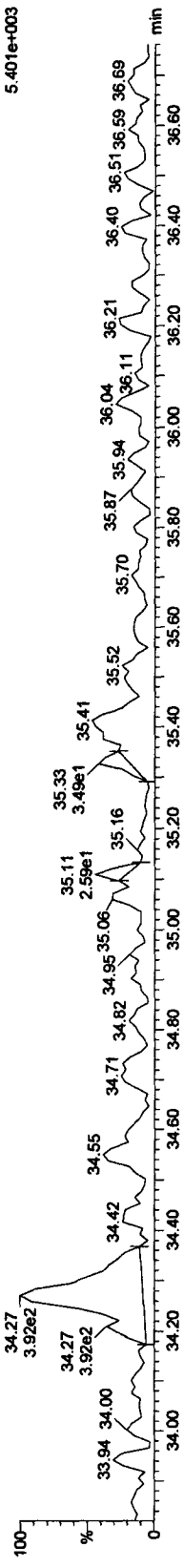
Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

HpCDFs

17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA

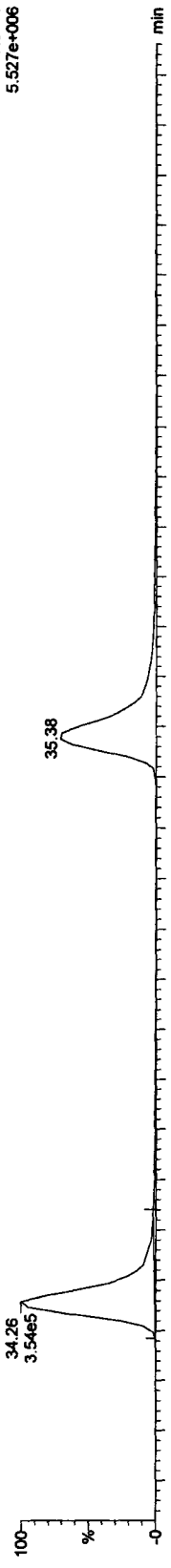


17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA

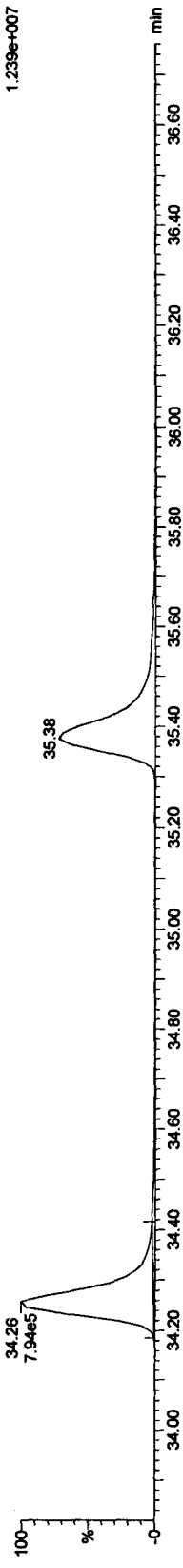


¹³C-HpCDFs

17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA



17DE103D5_18 Smooth(SG,1x2)
 GOL150000-402B 0349402 MCEK8-1-AA



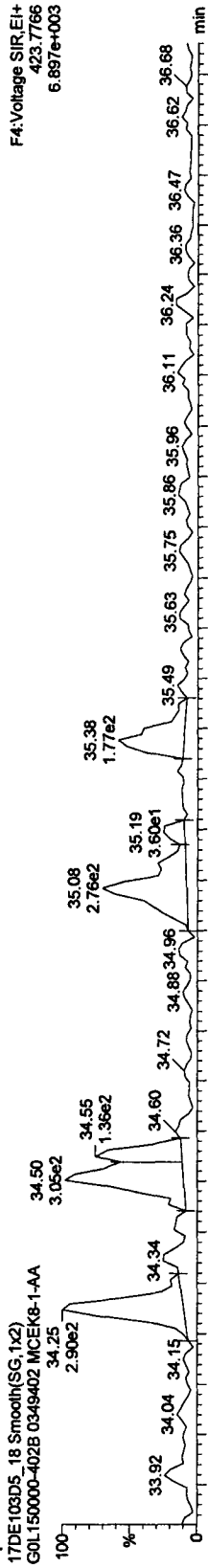
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

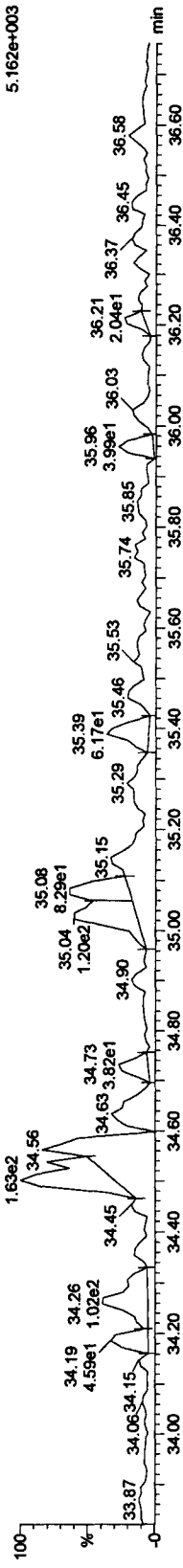
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

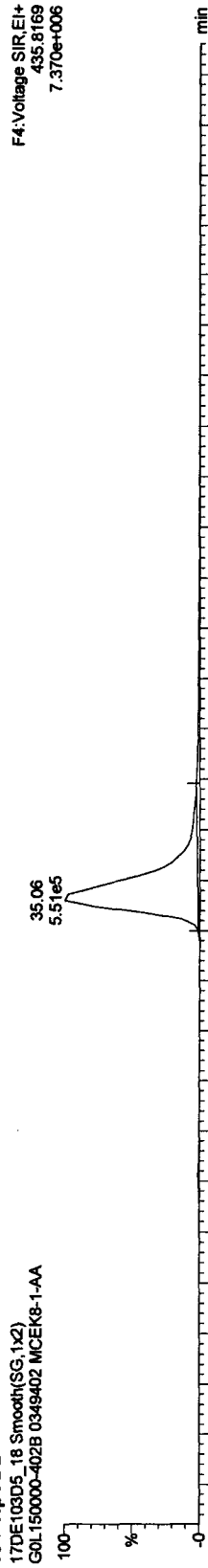
HpCDDs



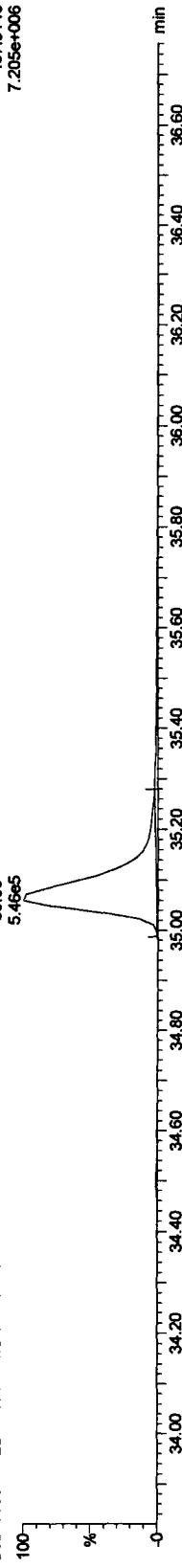
17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA



13C-HpCDD



17DE103D5_18 Smooth(SG,1x2)
GOL150000-402B 0349402 MCEK8-1-AA

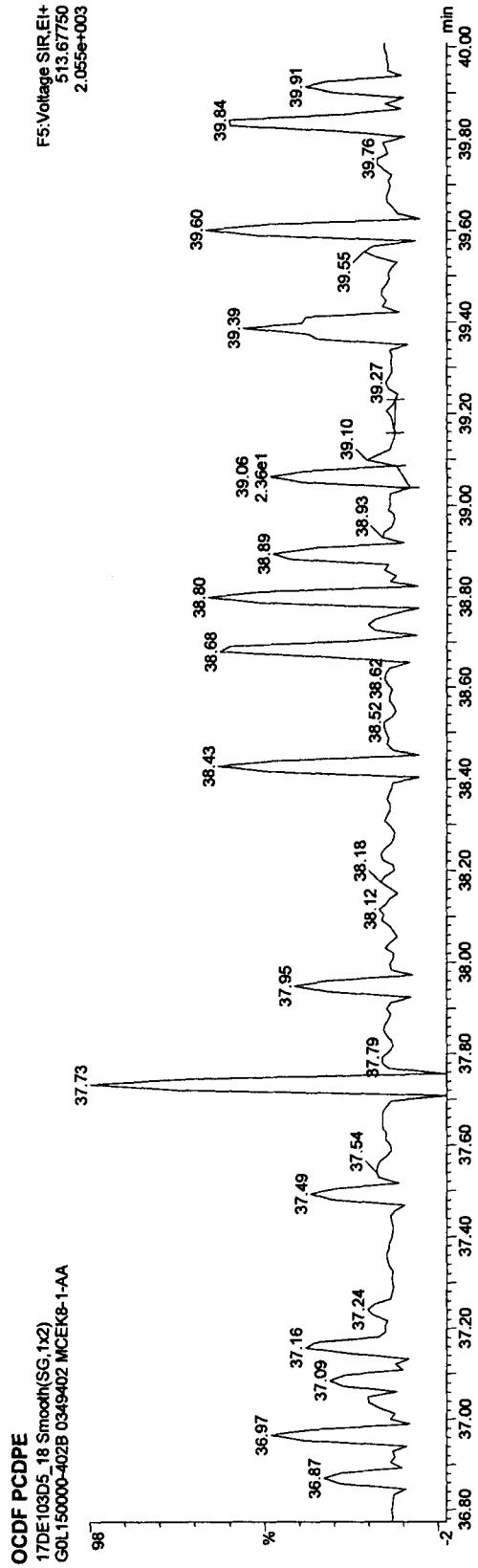
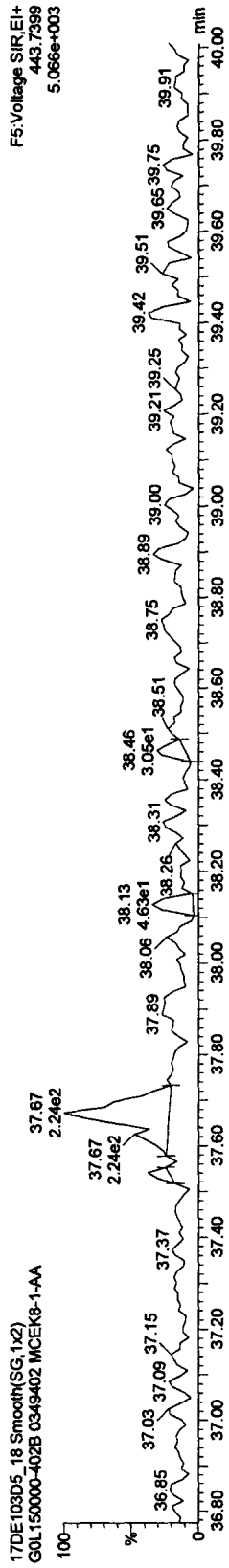
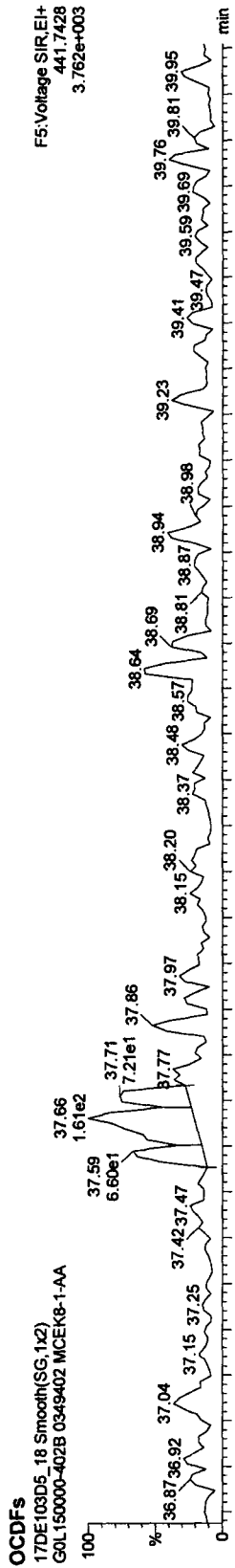


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

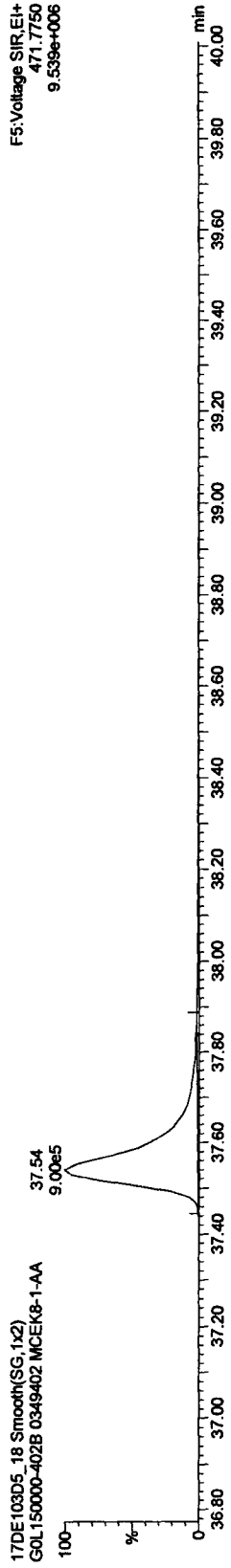
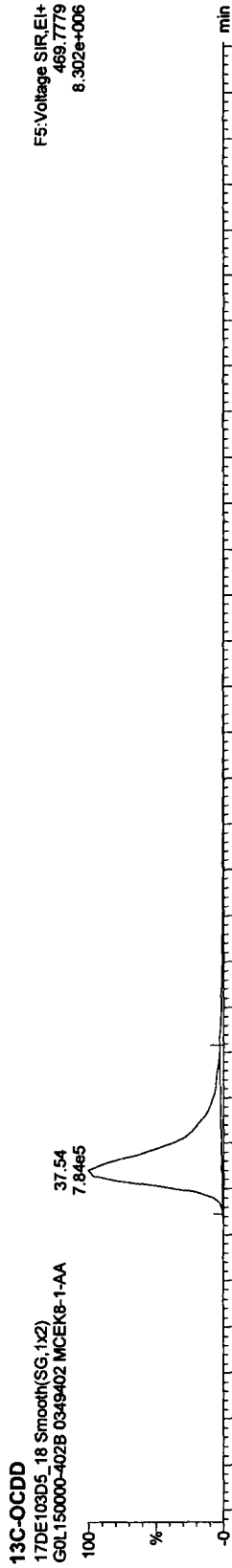
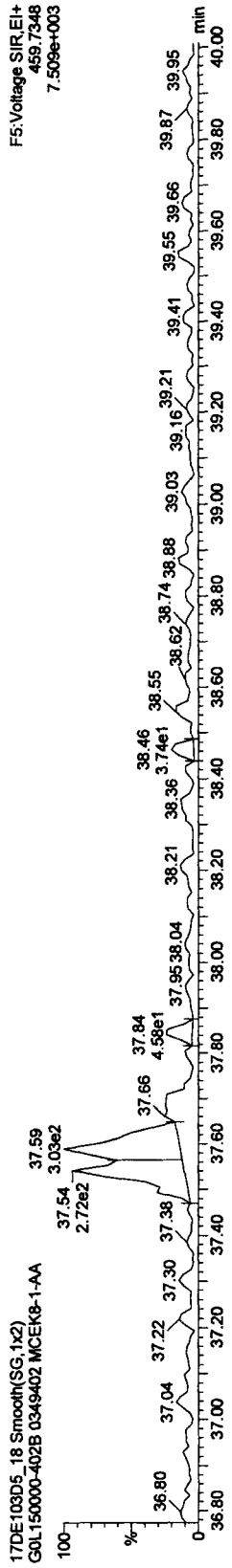
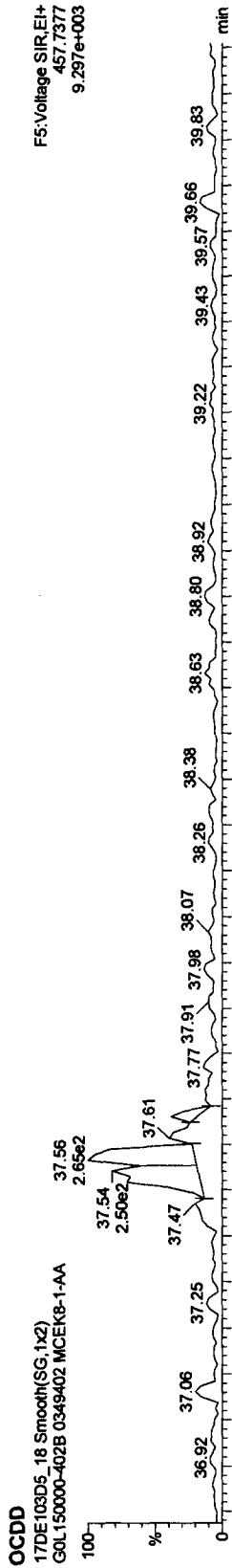


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402



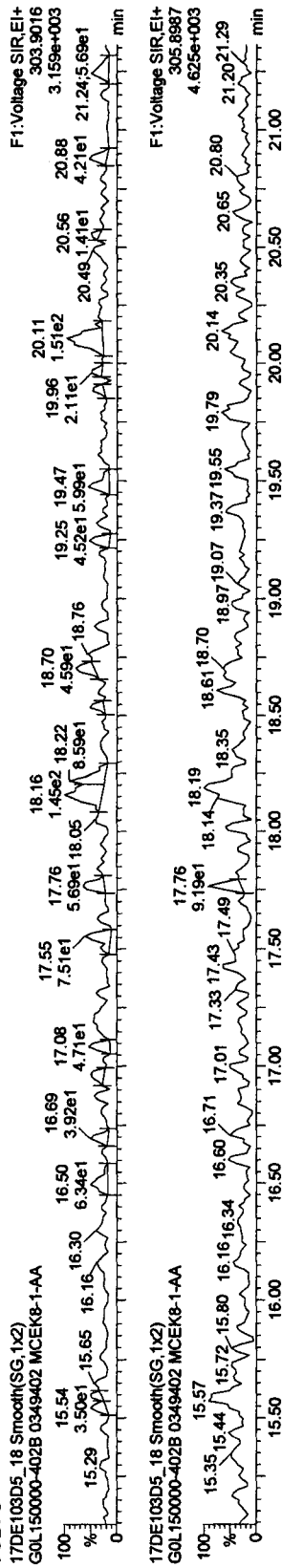
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

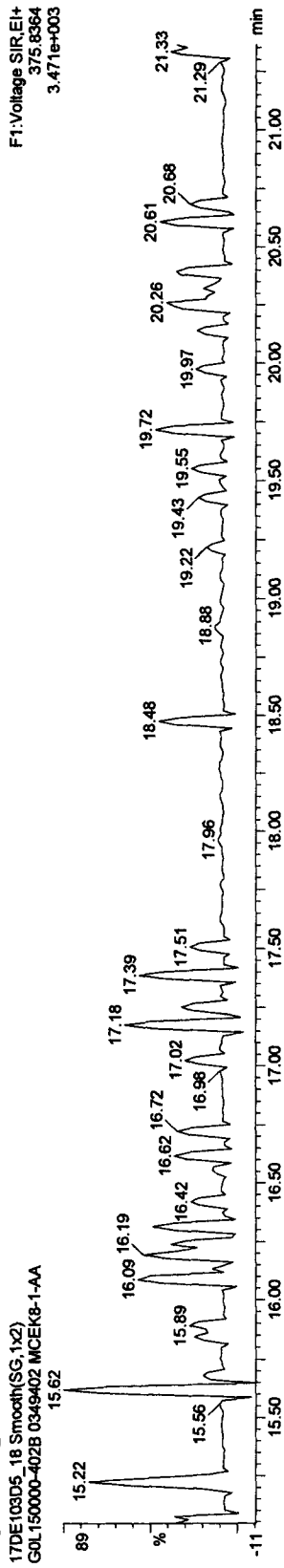
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

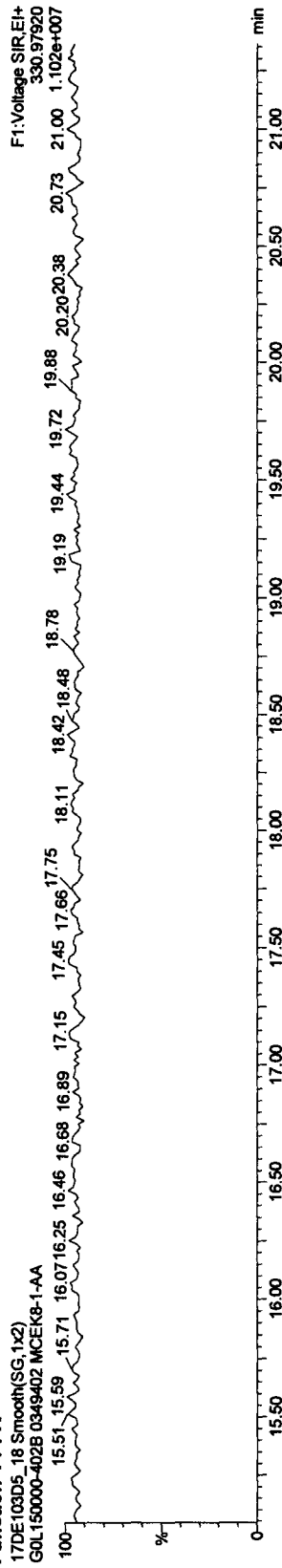
TCDFs



TCDF PCDFE



Function 1 PFK



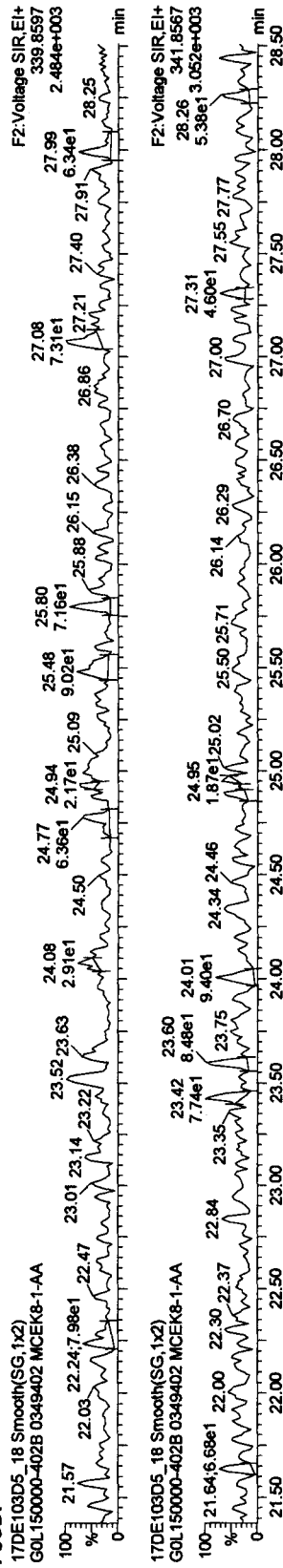
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09A.qld

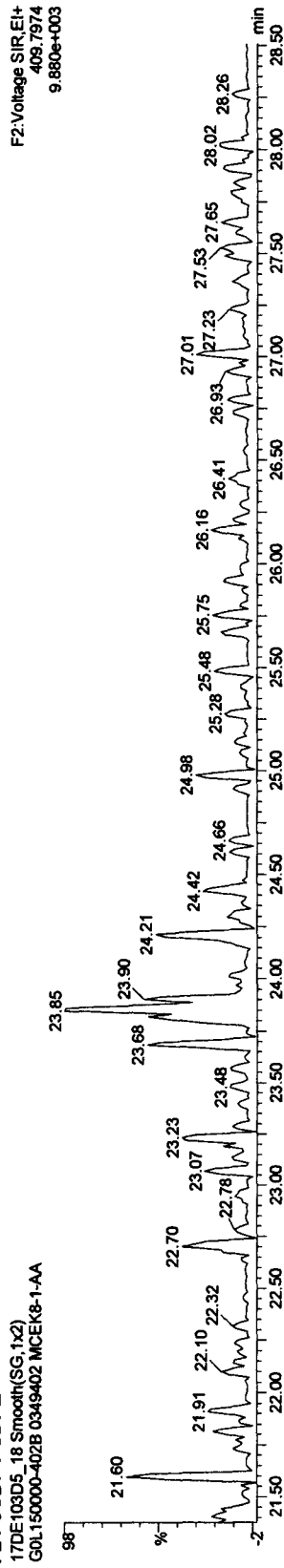
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

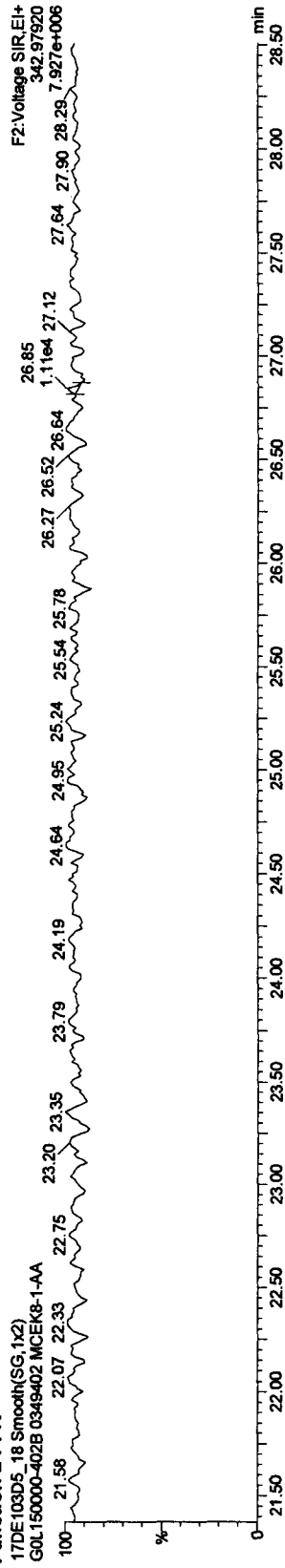
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



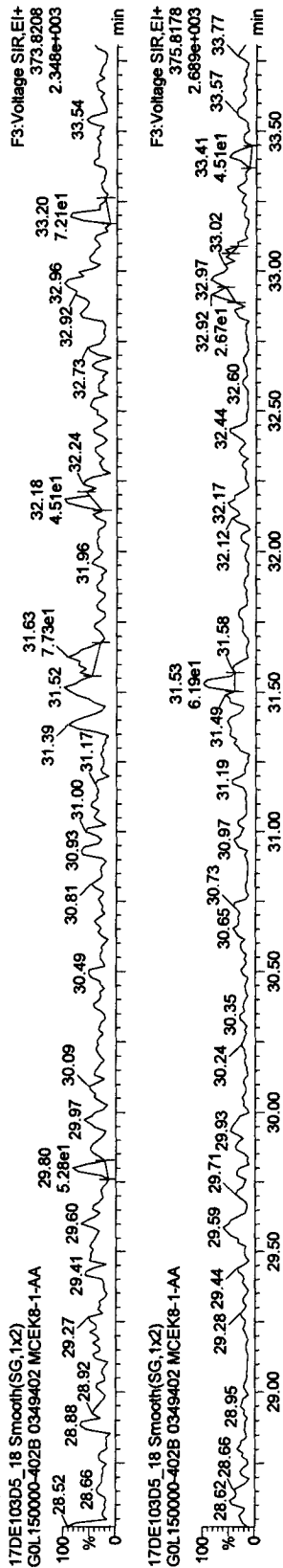
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\17DE103D5T09A.qld

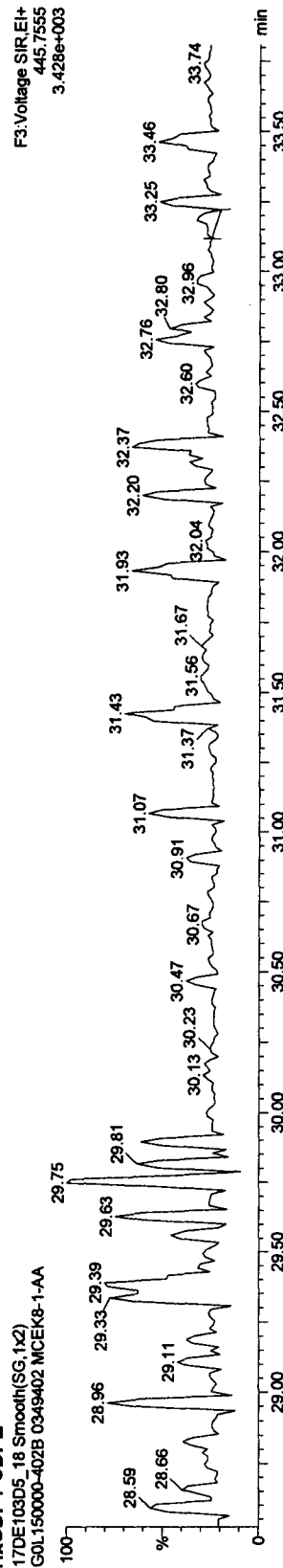
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

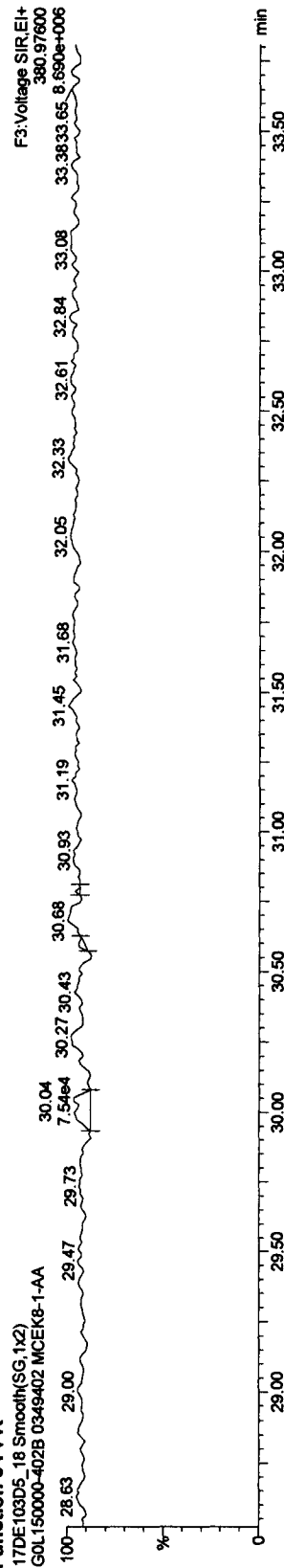
HxCDFs



HxCDF PCDFE



Function 3 PFK



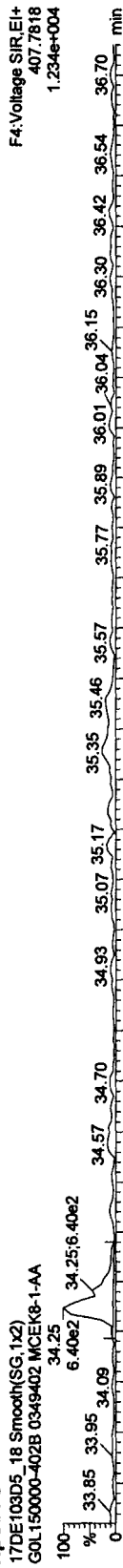
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5TO9A.qld

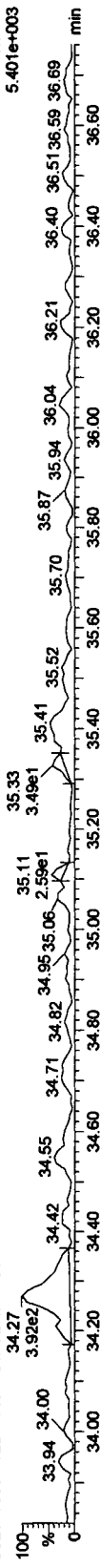
Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: GOL150000-402B 0349402

HpCDFs

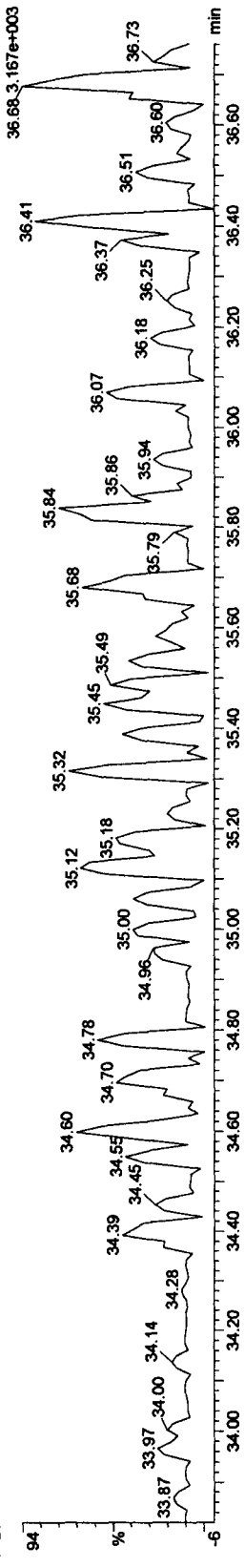


17DE103D5_18 Smooth(SG,1X2)
GOL150000-402B 0349402 MCEK8-1-AA



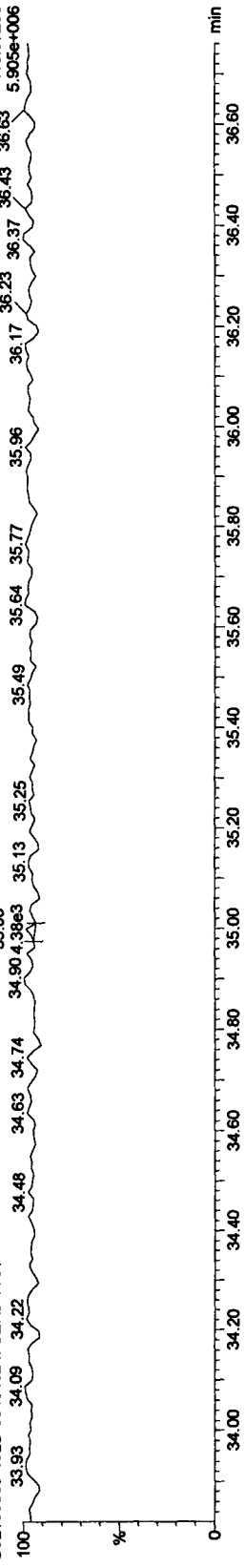
HpCDF PCDFE

17DE103D5_18 Smooth(SG,1X2)
GOL150000-402B 0349402 MCEK8-1-AA



Function 4 PFK

17DE103D5_18 Smooth(SG,1X2)
GOL150000-402B 0349402 MCEK8-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09A.qld

Last Altered: Saturday, December 18, 2010 08:28:32 Pacific Standard Time

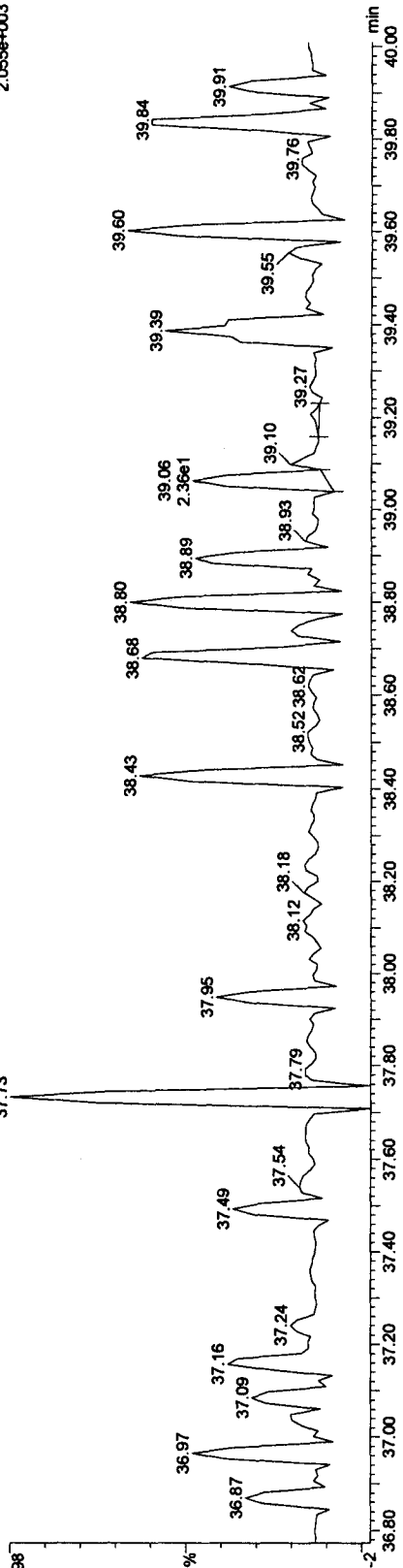
Printed: Saturday, December 18, 2010 08:29:35 Pacific Standard Time

Name: 17DE103D5_18, Date: 17-Dec-2010, Time: 21:08:58, ID: MCEK8-1-AA, Description: G0L150000-402B 0349402

OCDF PCDPE

17DE103D5_18 Smooth(SG,1x2)
G0L150000-402B 0349402 MCEK8-1-AA

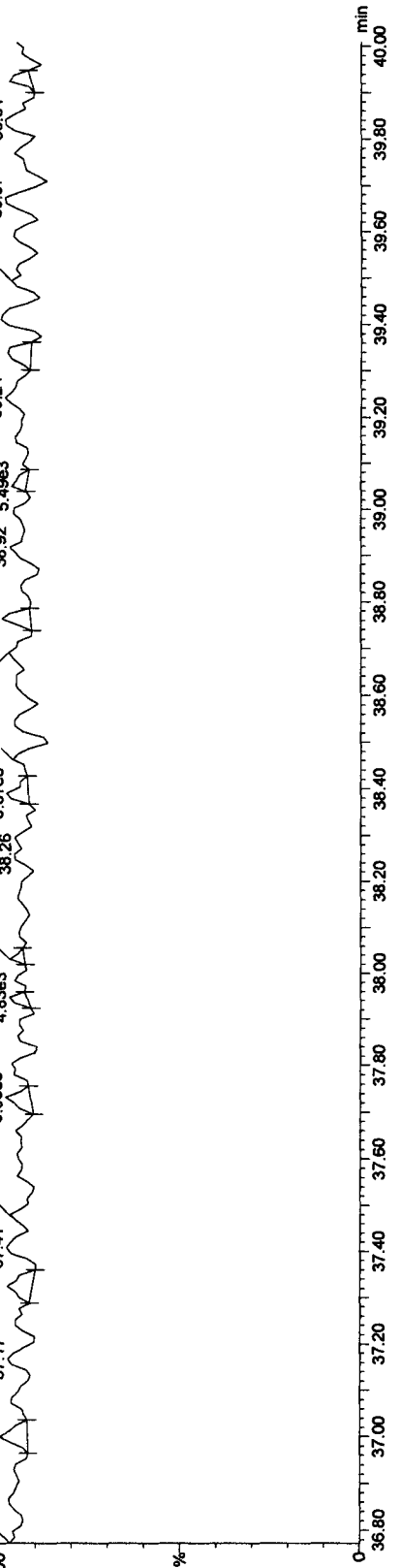
F5:Voltage SIR,EI+
513.67750
2.055e+003



Function 5 PFK

17DE103D5_18 Smooth(SG,1x2)
G0L150000-402B 0349402 MCEK8-1-AA

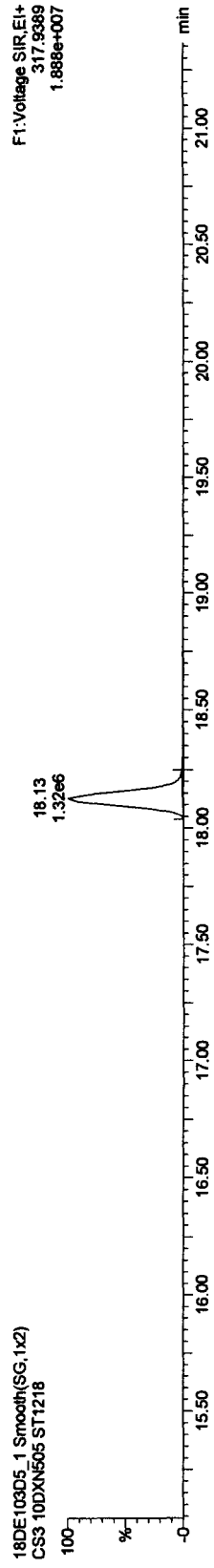
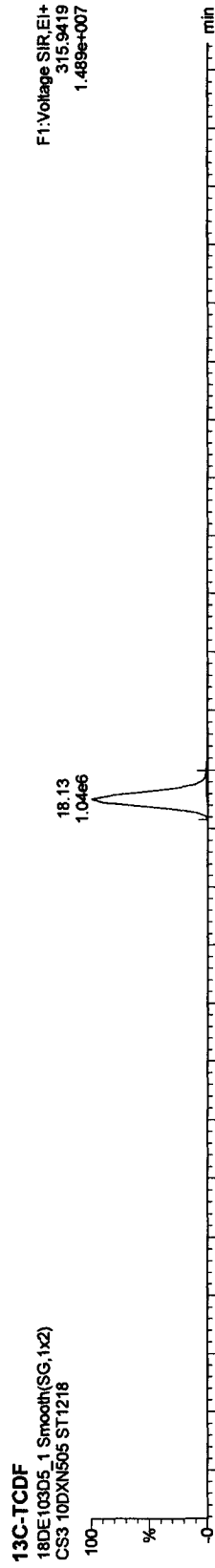
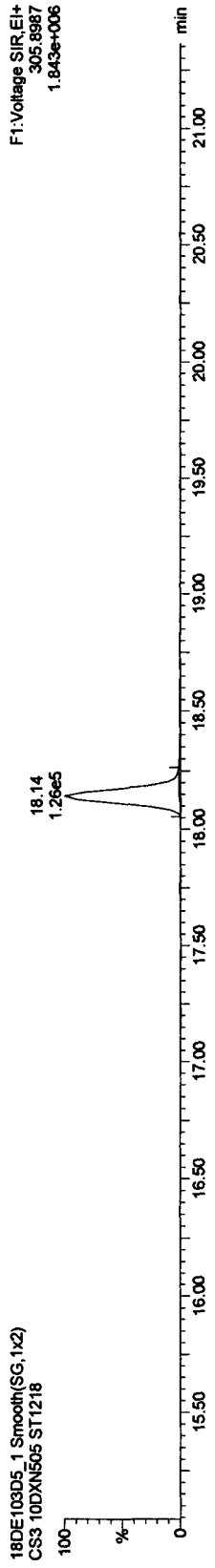
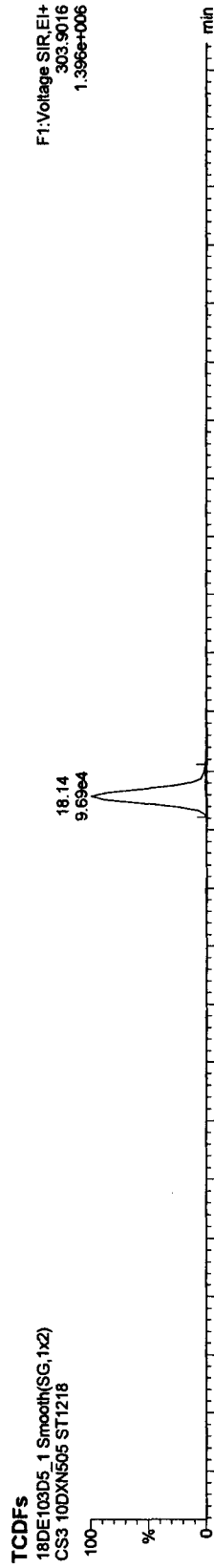
F5:Voltage SIR,EI+
442.97280
4.721e+006



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

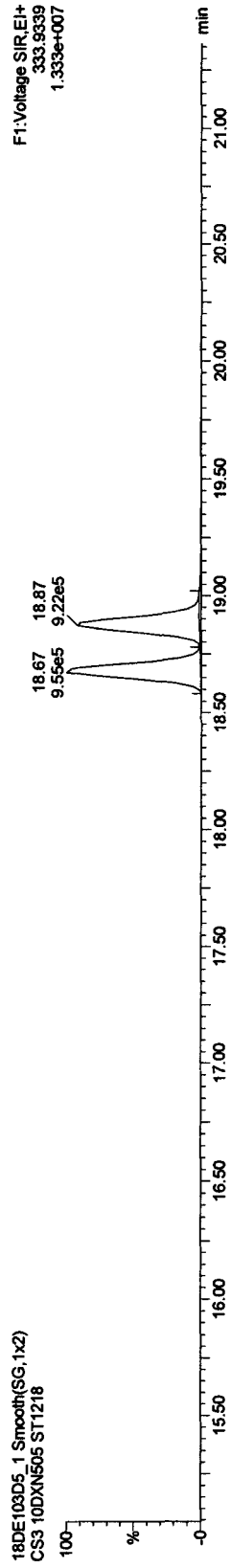
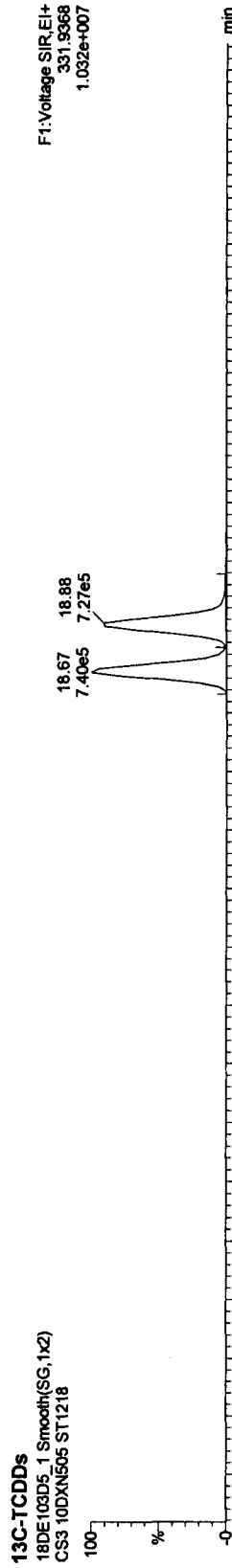
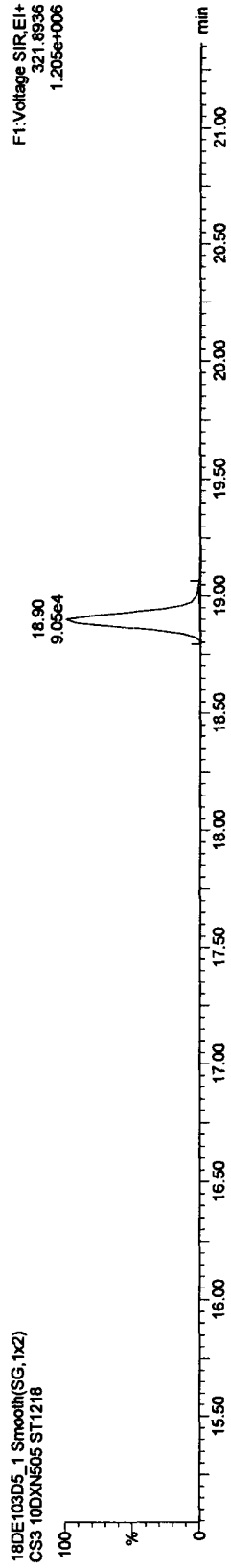
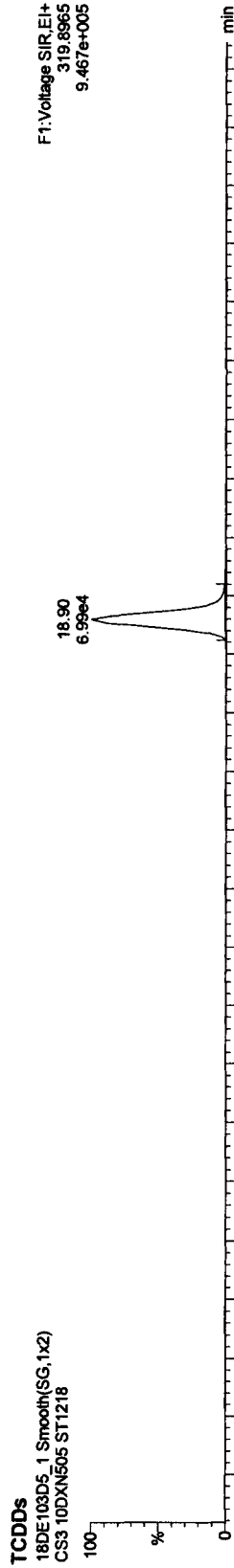
Method: C:\MassLynx\JAN2010.PRO\MethDB\BITO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11
Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PROV17DE103D5T09AENDSTD.qld
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

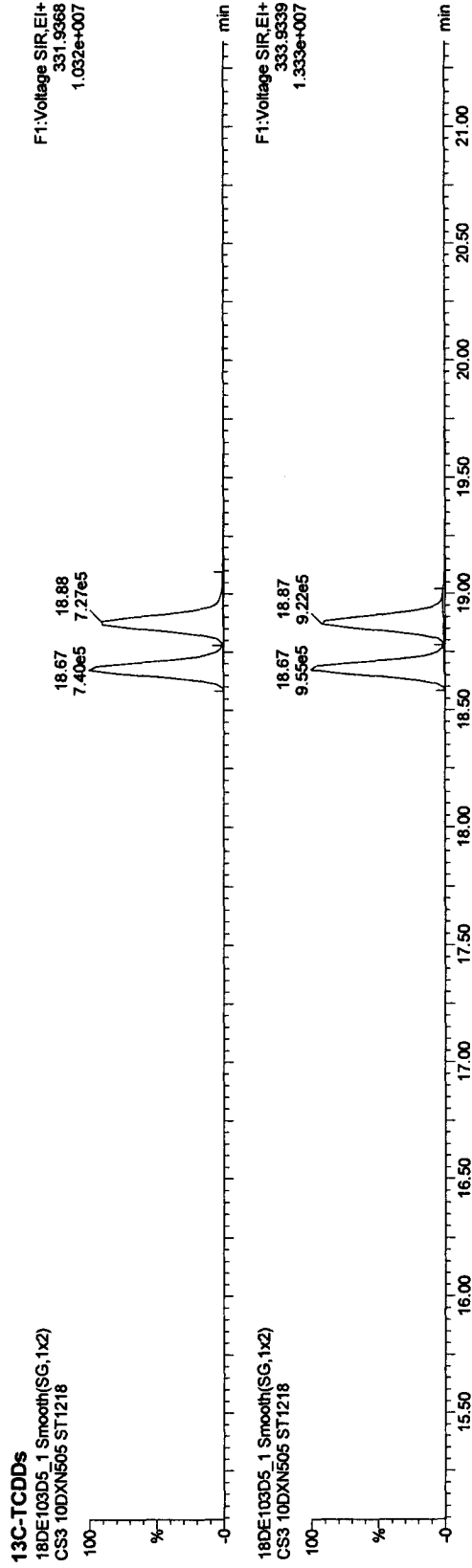
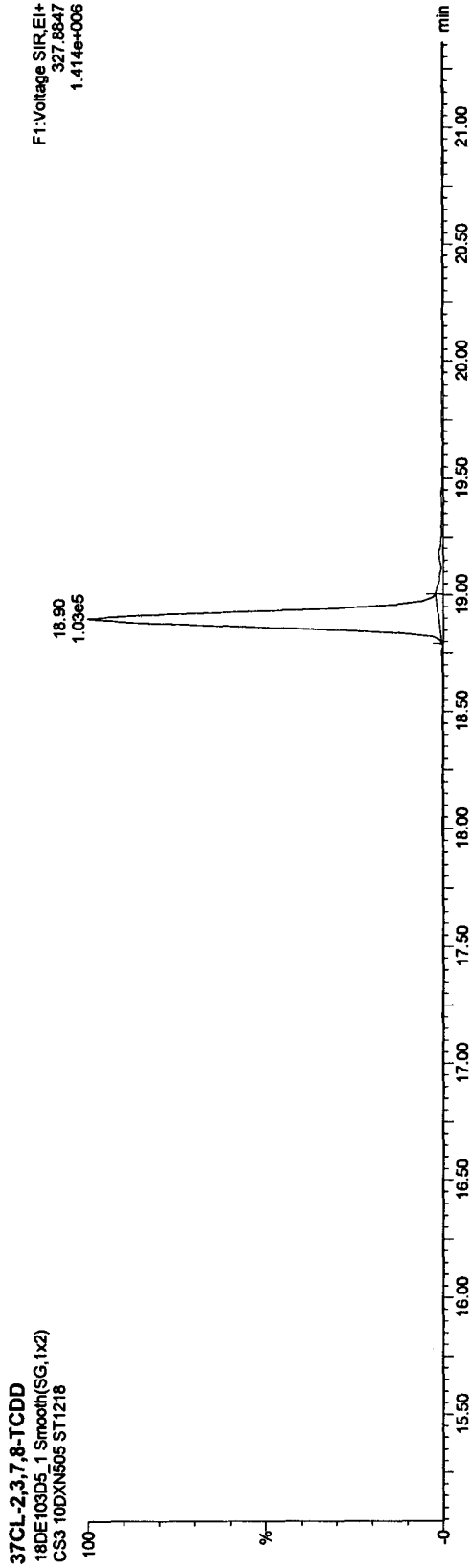
Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



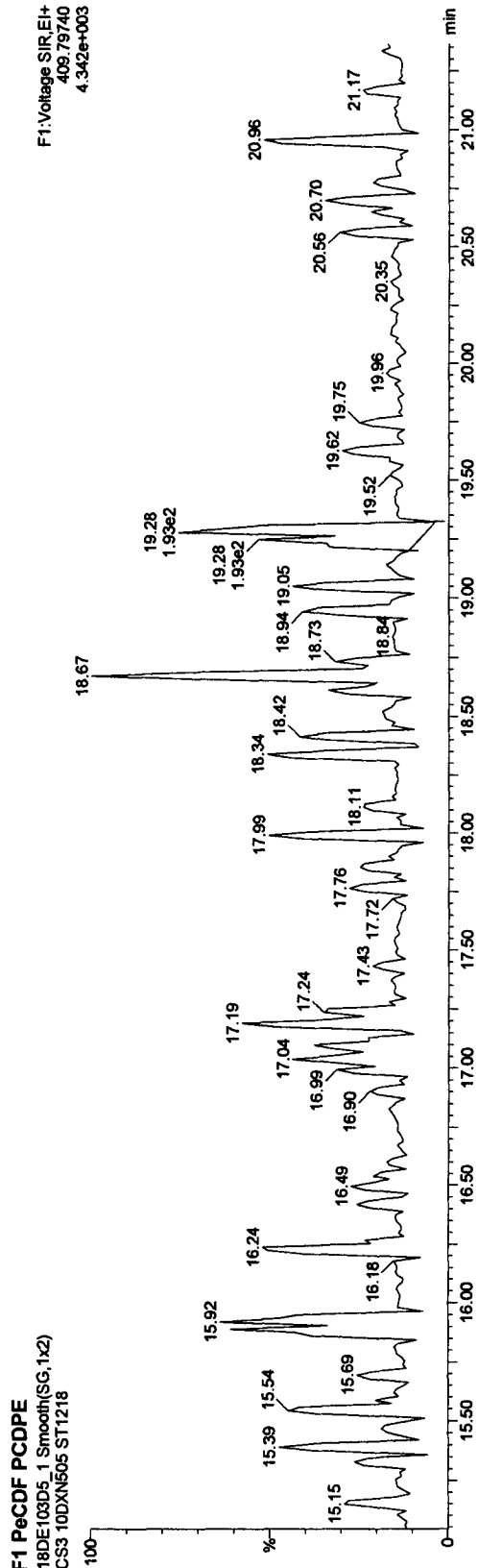
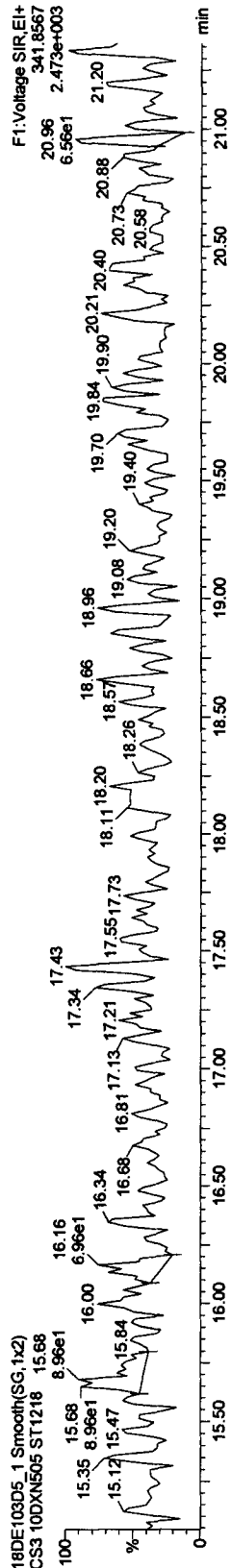
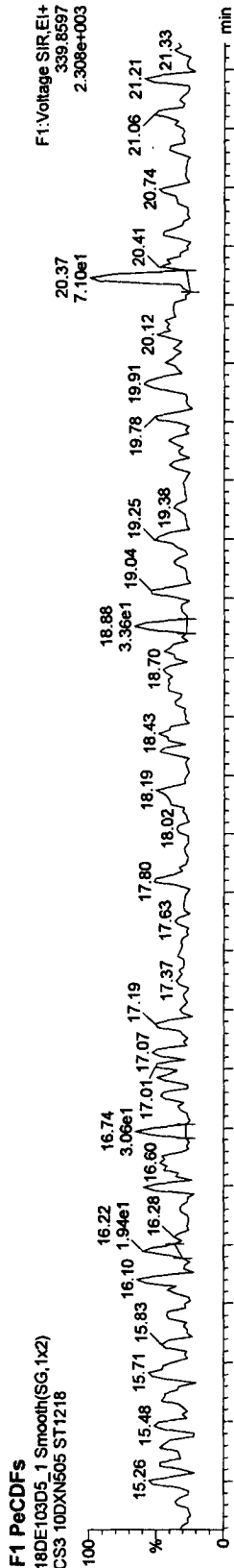
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

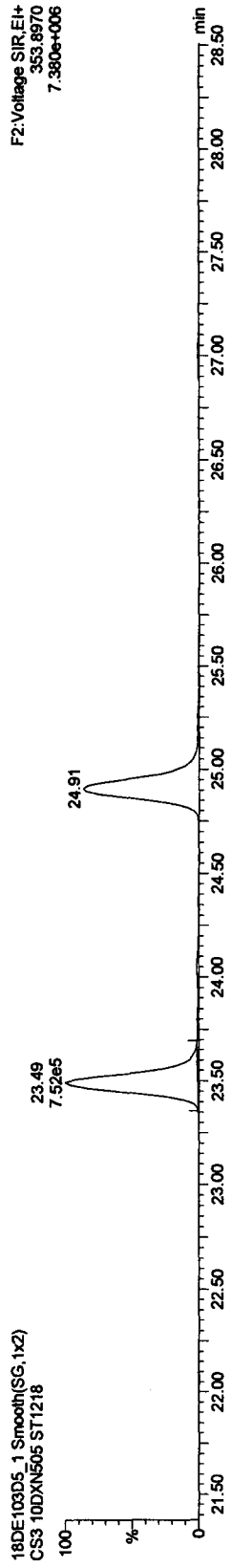
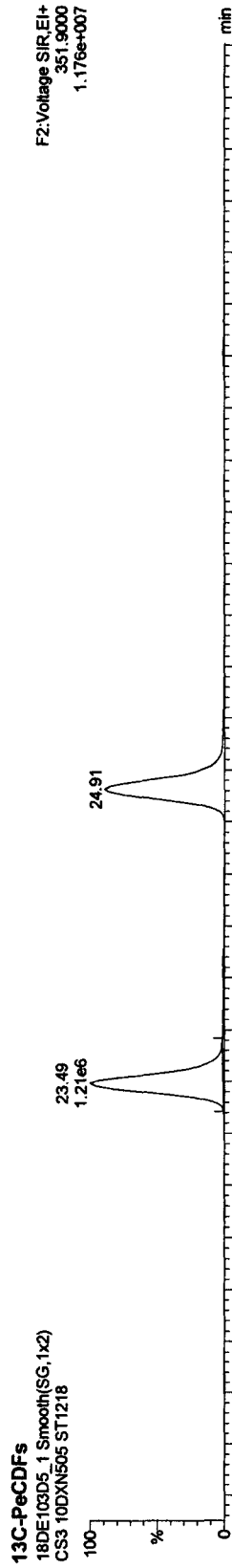
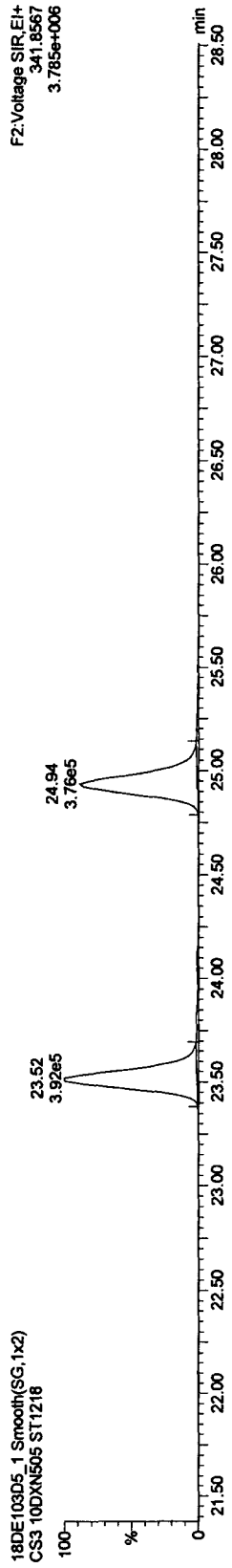
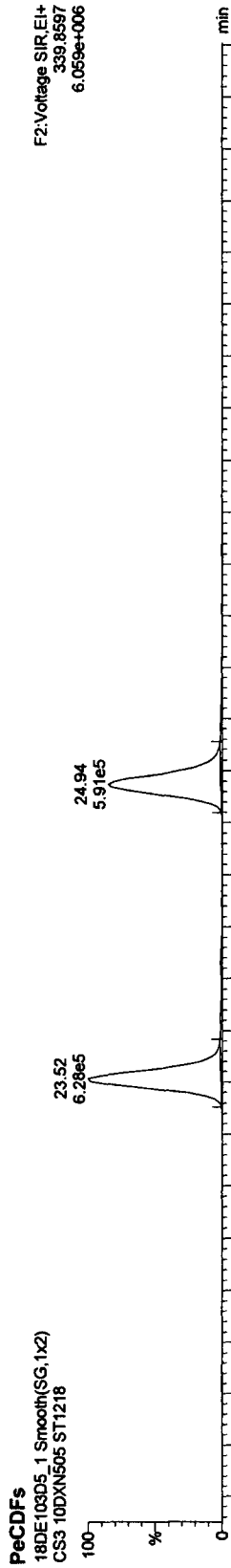
Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09AENDSTD.qld
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



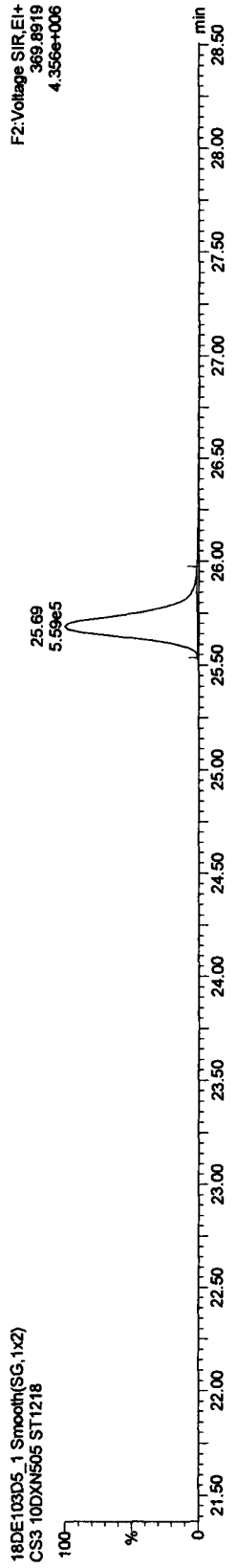
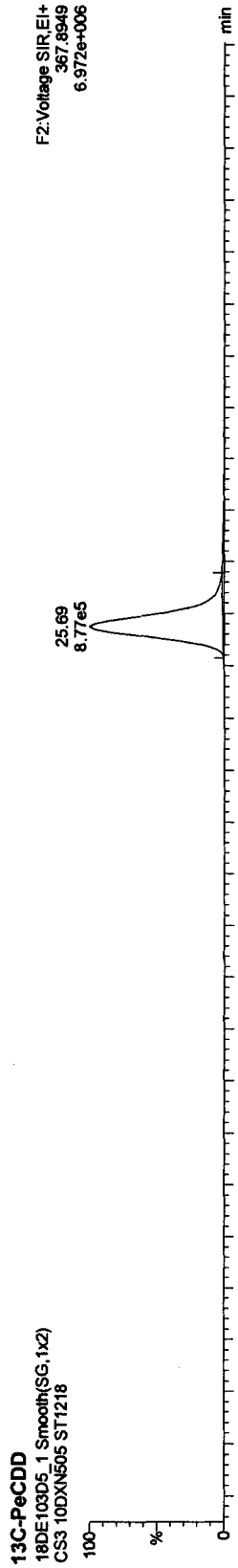
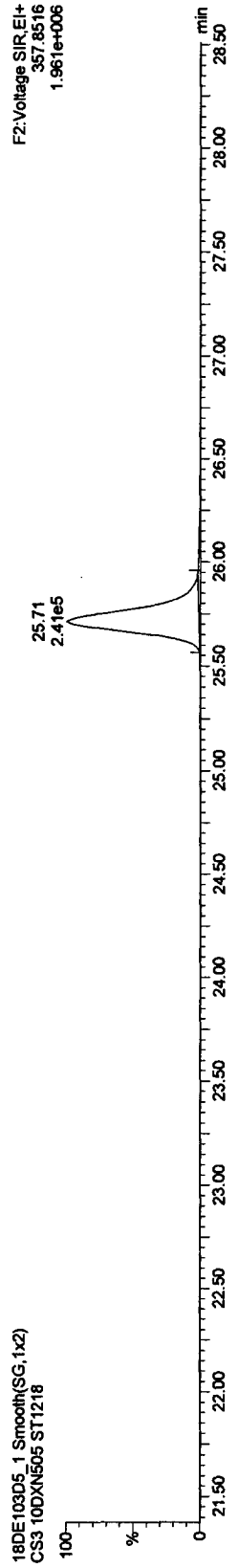
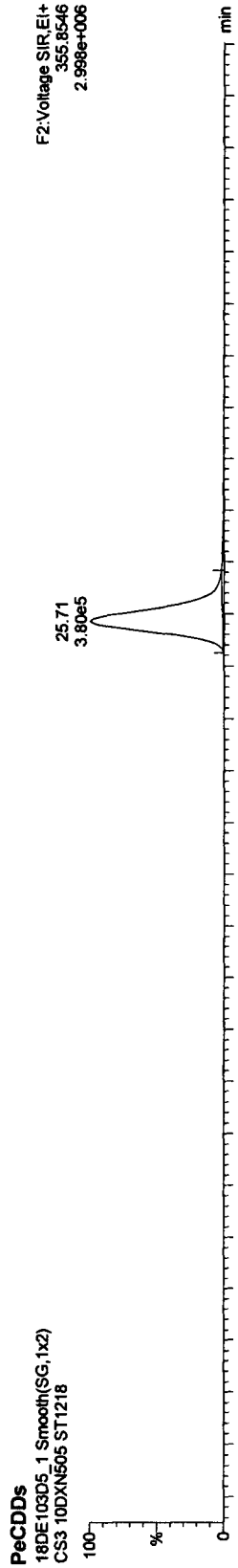
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09AENDSTD.qld

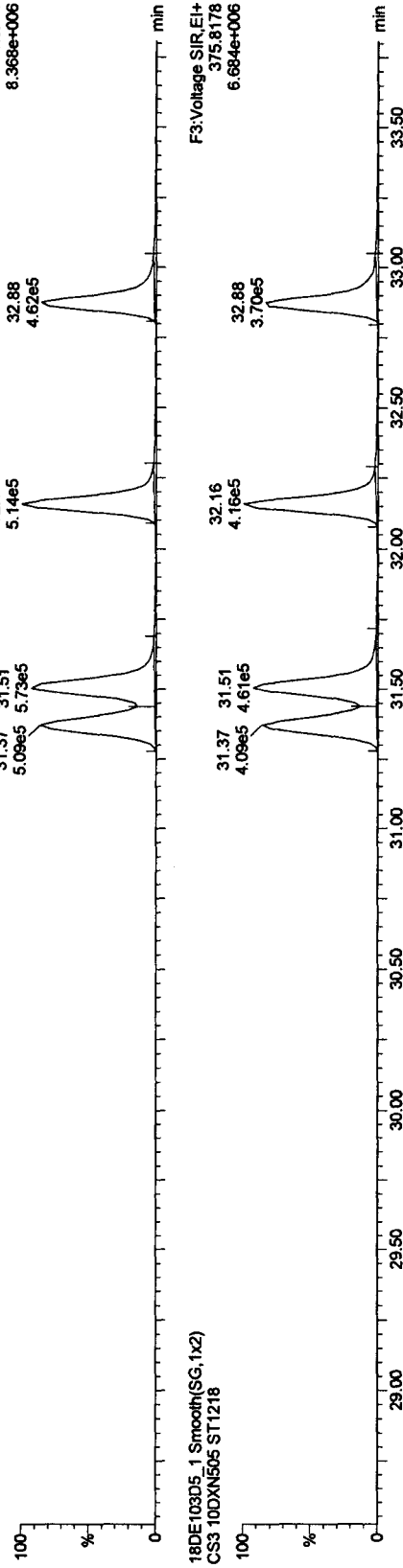
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time

Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

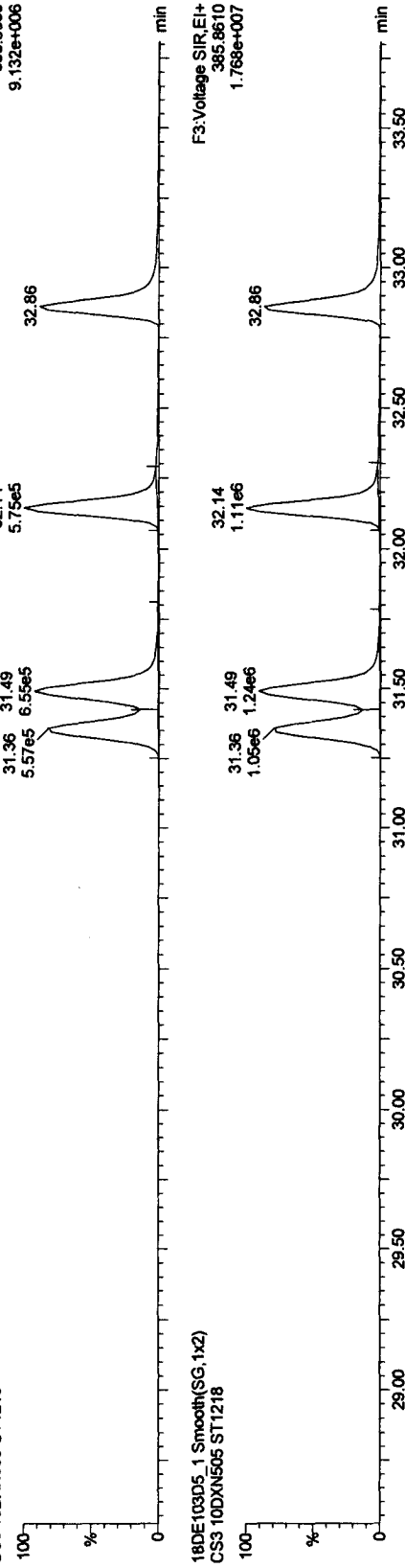
HxCDFs

18DE103D5_1 Smooth(SG,1x2)
CS3 10DXN505 ST1218



13C-HxCDFs

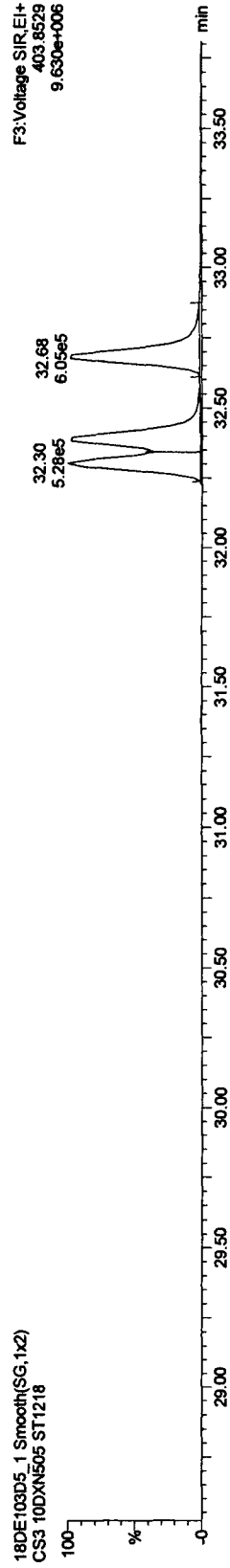
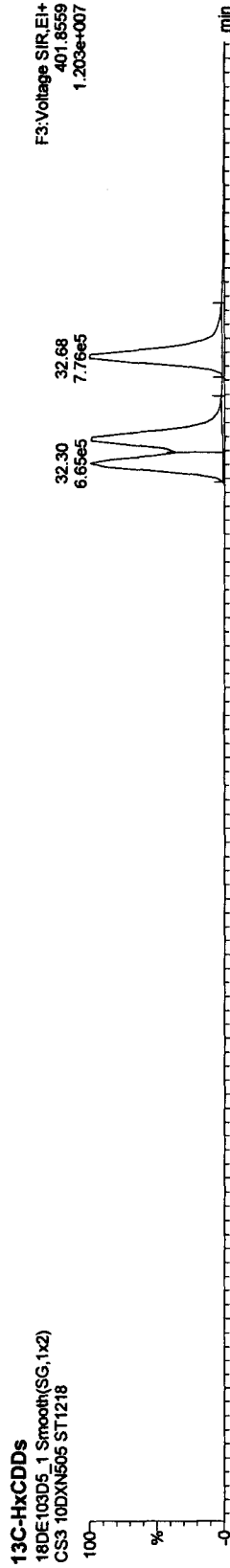
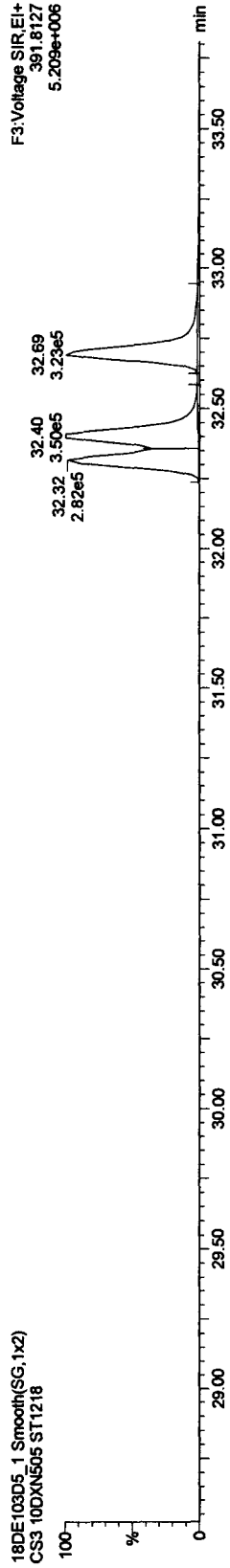
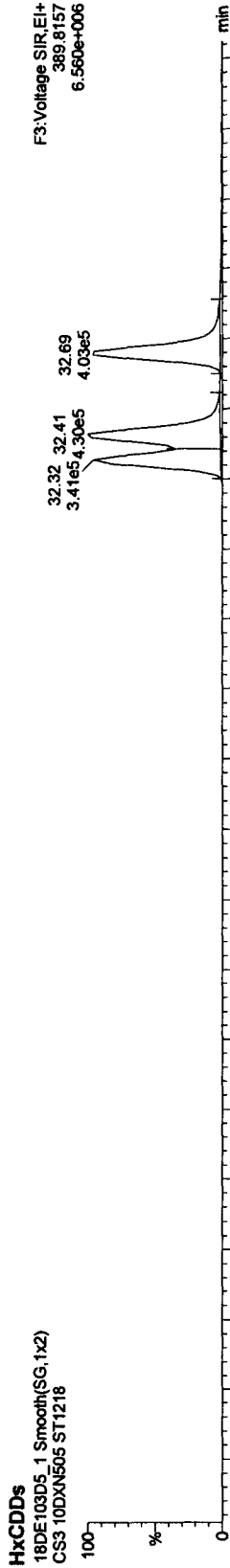
18DE103D5_1 Smooth(SG,1x2)
CS3 10DXN505 ST1218



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV17DE103D5T09AENDSTD.qld
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

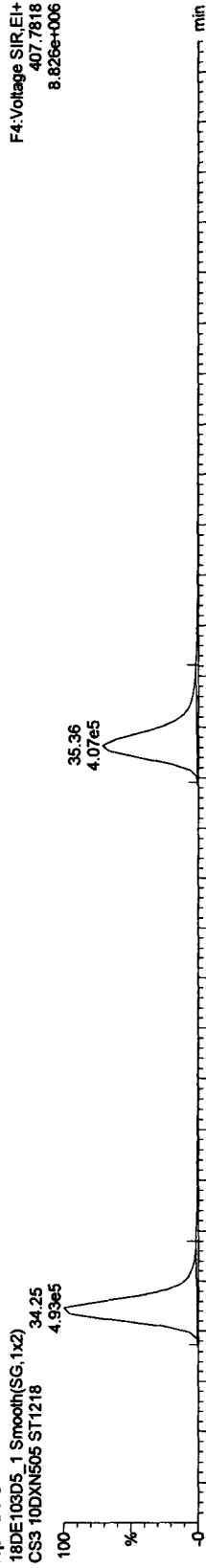


Quantify Sample Report MassLynx 4.1

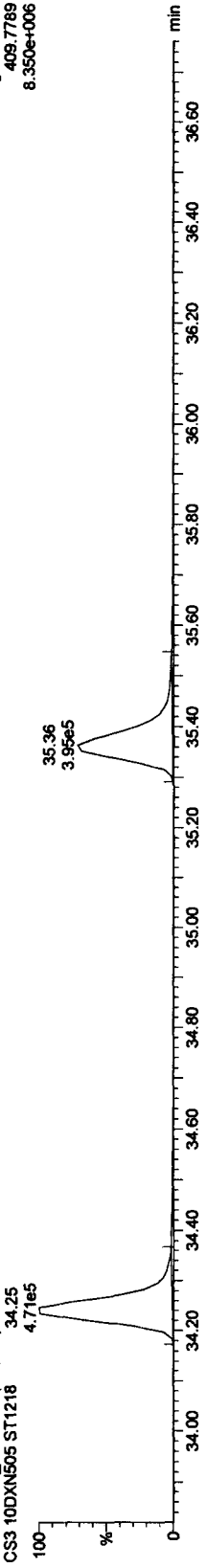
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

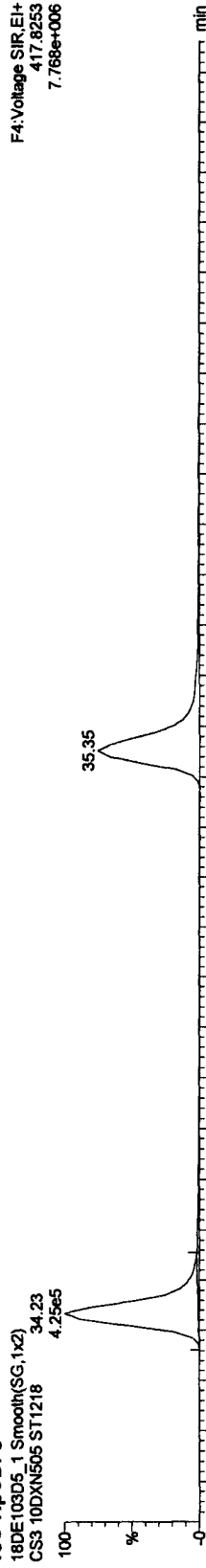
HpCDFs



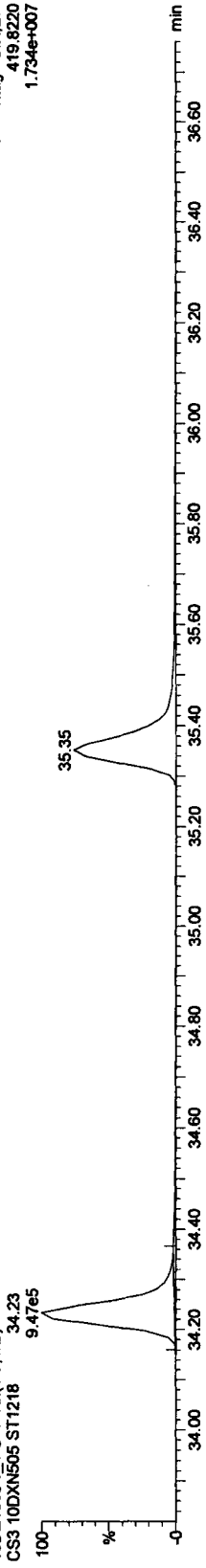
13C-HpCDFs



13C-HpCDFs



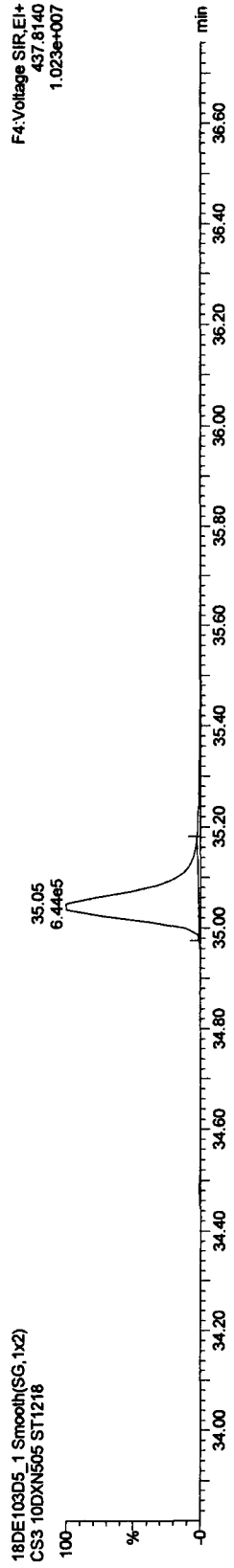
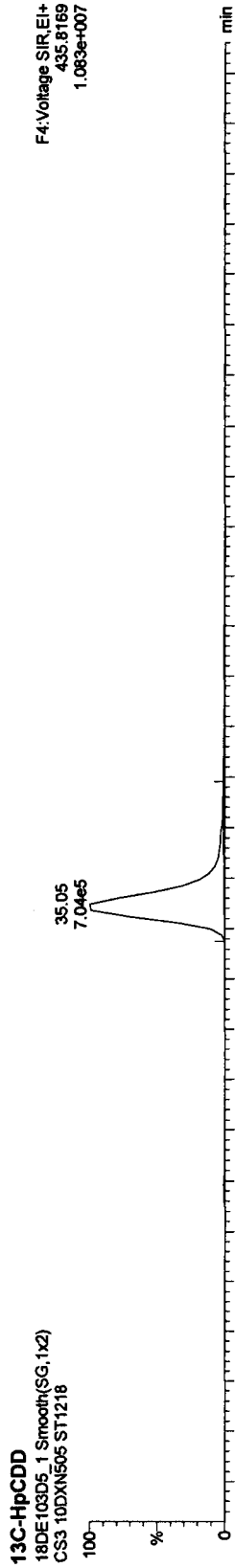
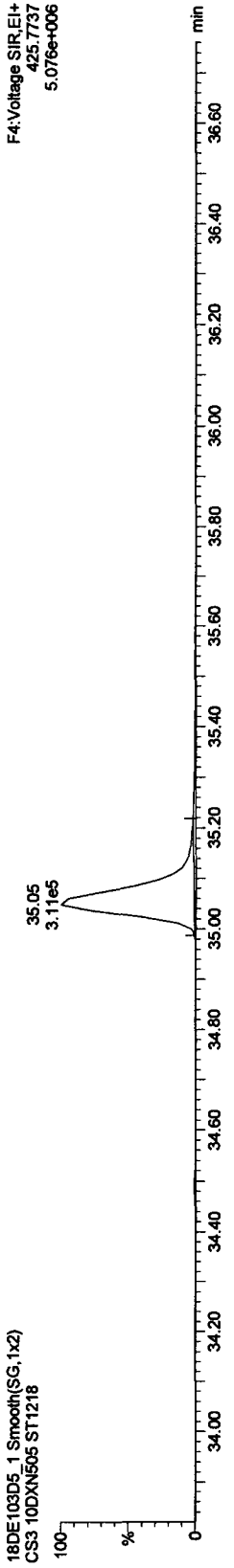
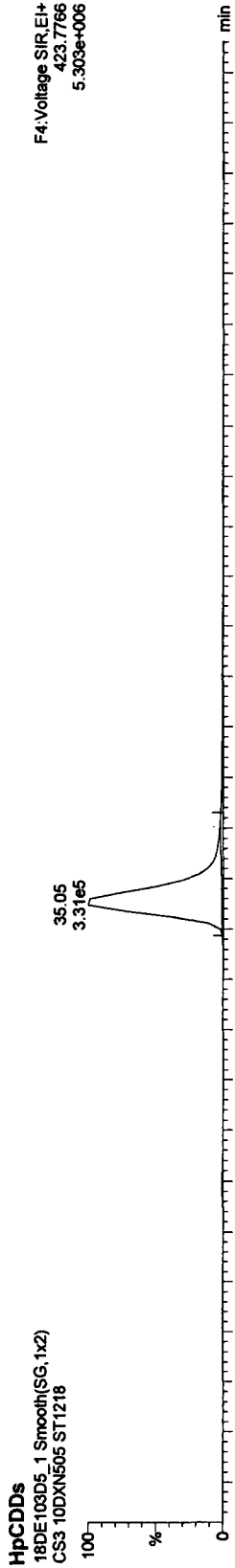
13C-HpCDFs



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

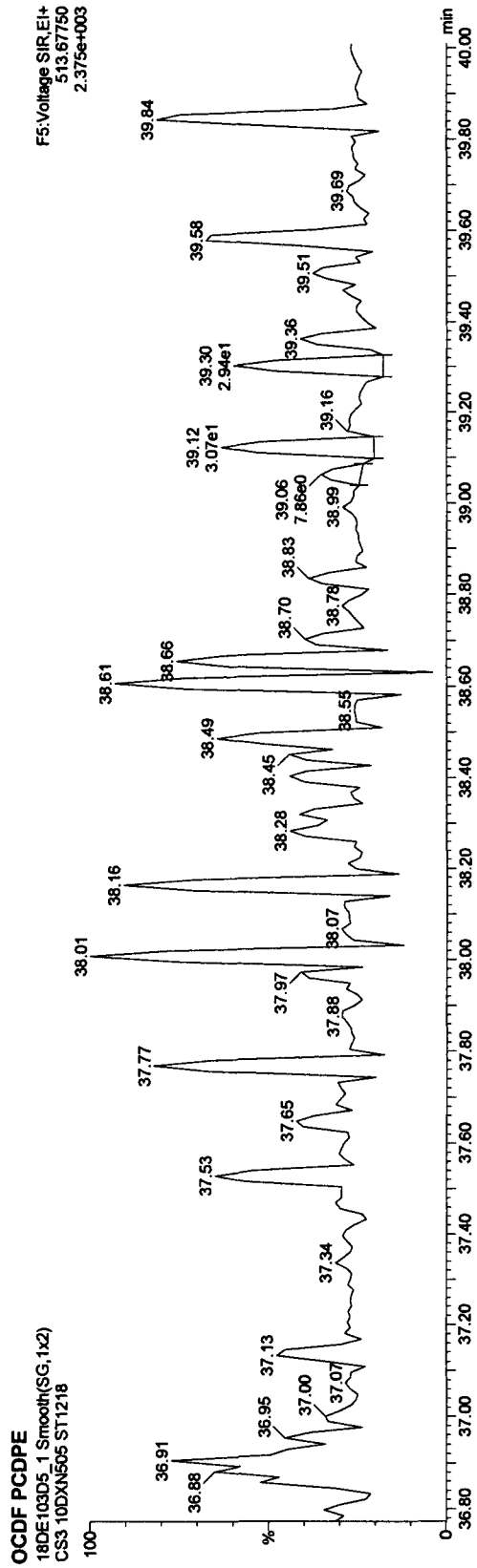
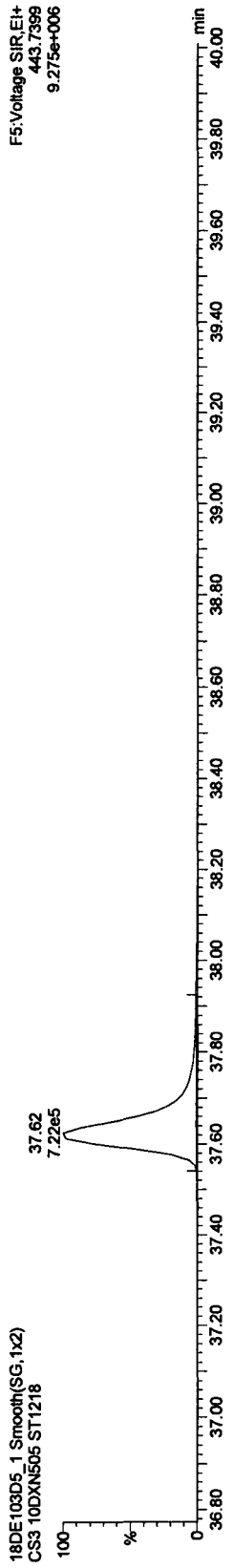
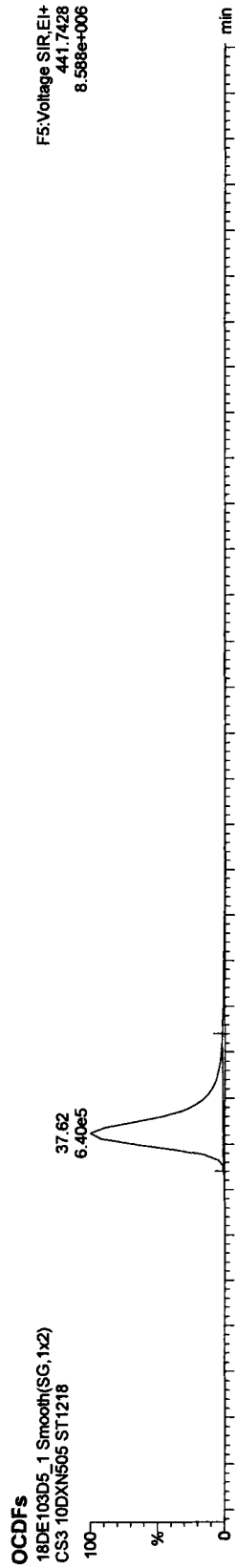


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

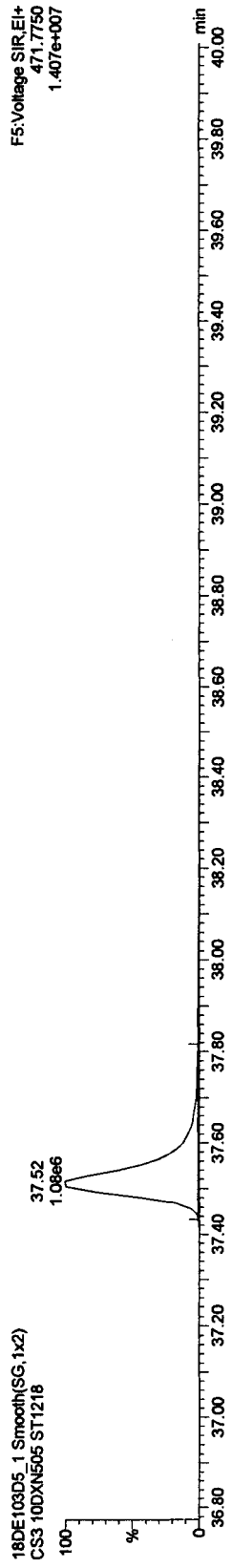
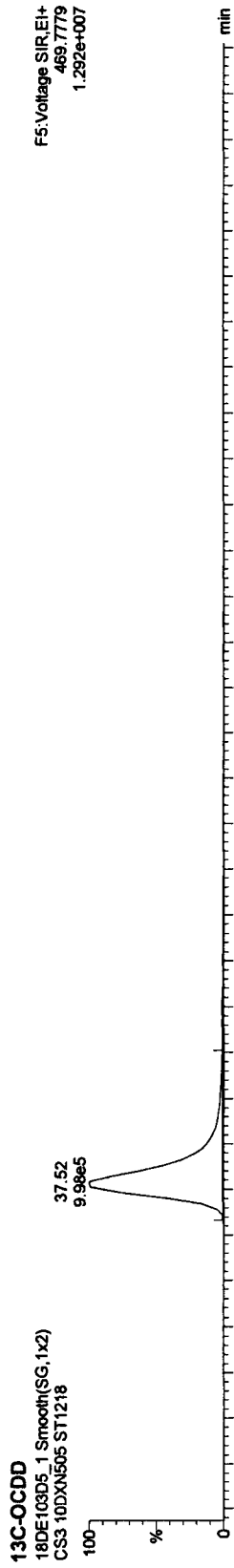
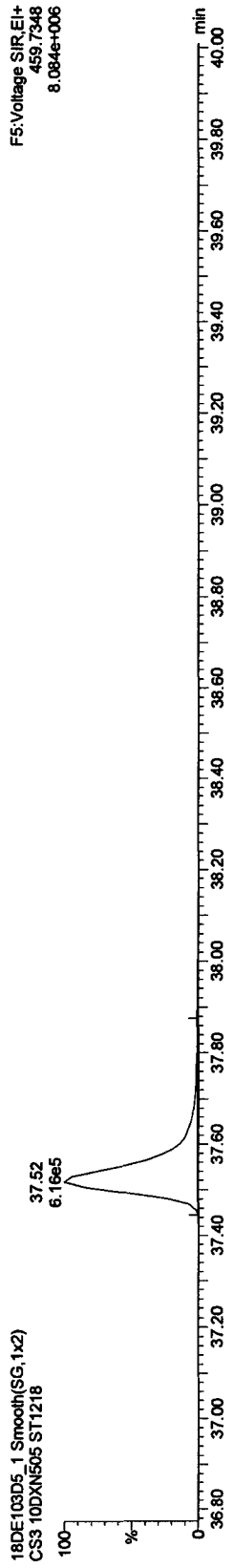
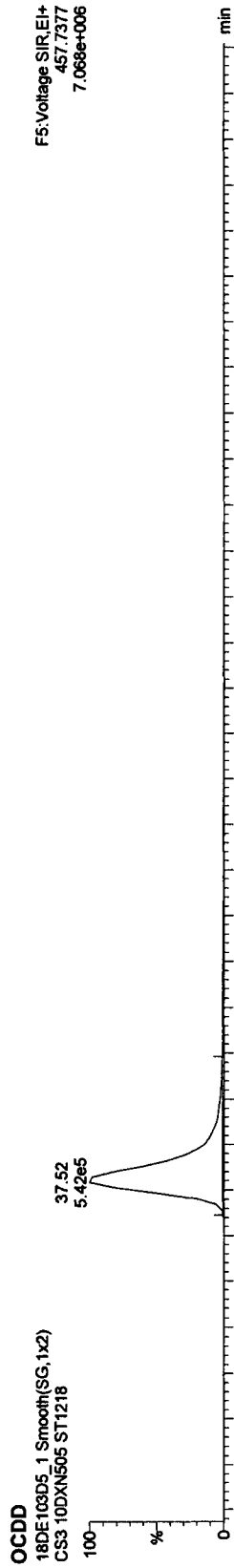


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

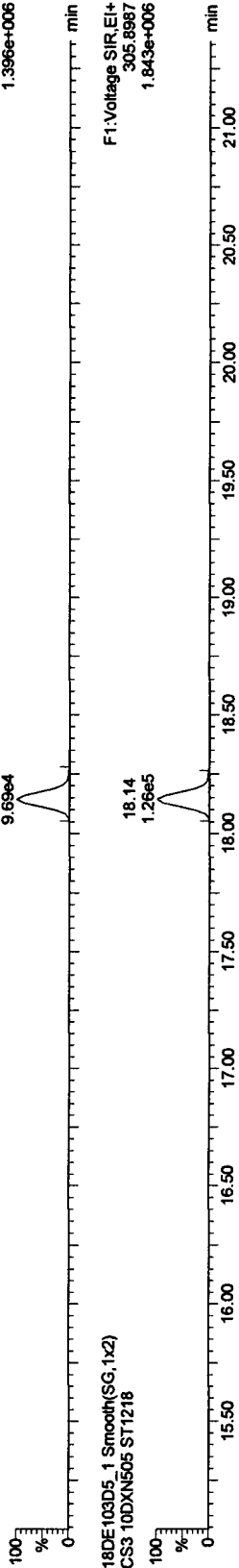
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

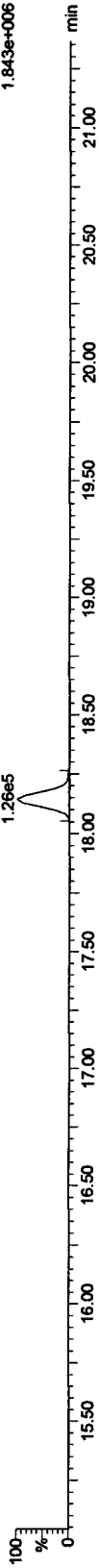
Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

TCDFs

18DE103D5_1 Smooth(SG,1x2)
 CS3 10DXN505 ST1218

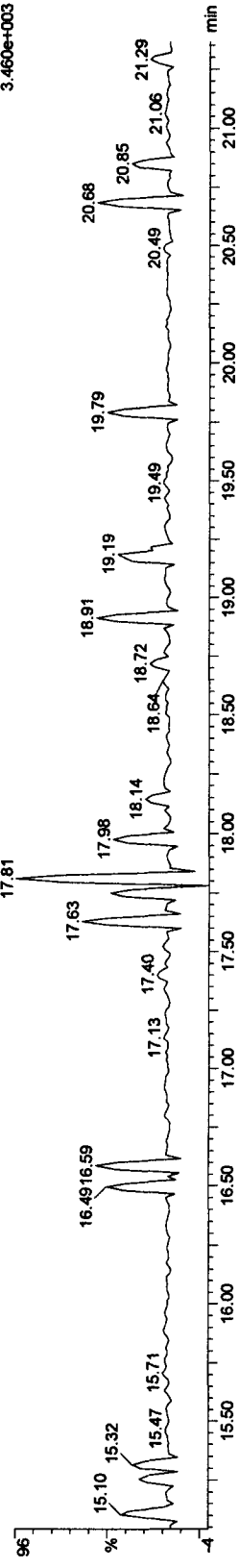


18DE103D5_1 Smooth(SG,1x2)
 CS3 10DXN505 ST1218



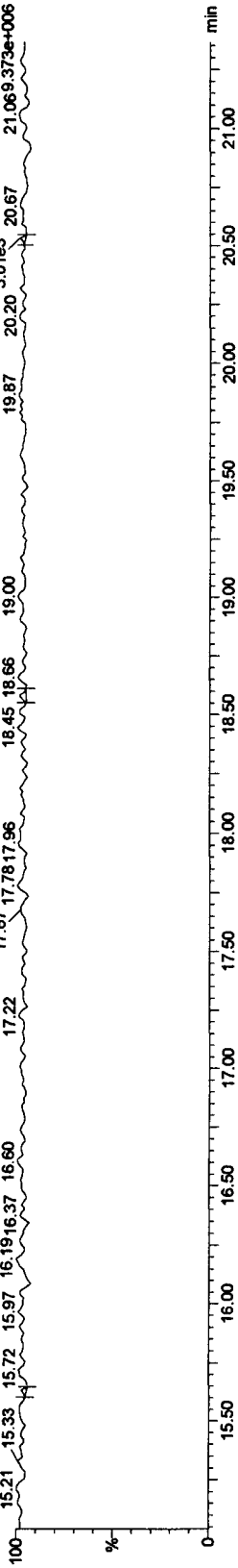
TCDF PCDPE

18DE103D5_1 Smooth(SG,1x2)
 CS3 10DXN505 ST1218



Function 1 PFK

18DE103D5_1 Smooth(SG,1x2)
 CS3 10DXN505 ST1218

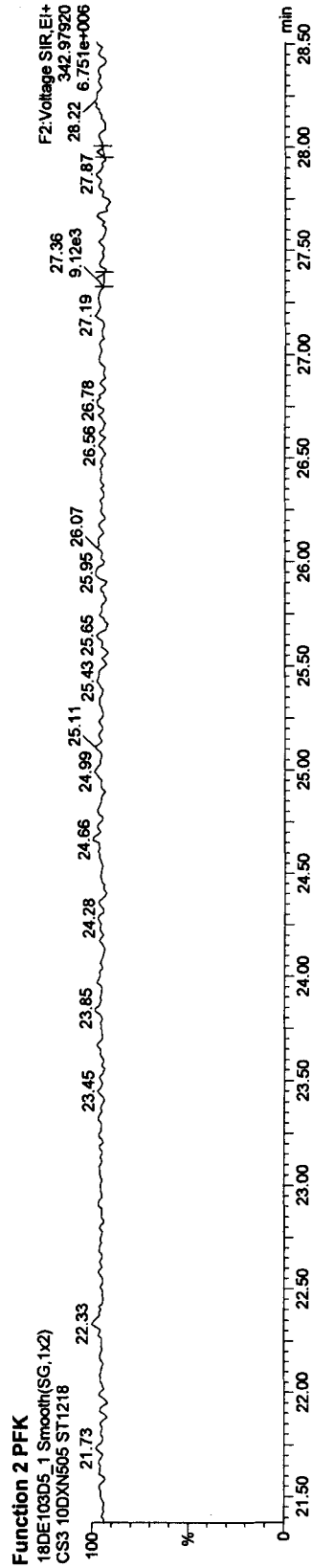
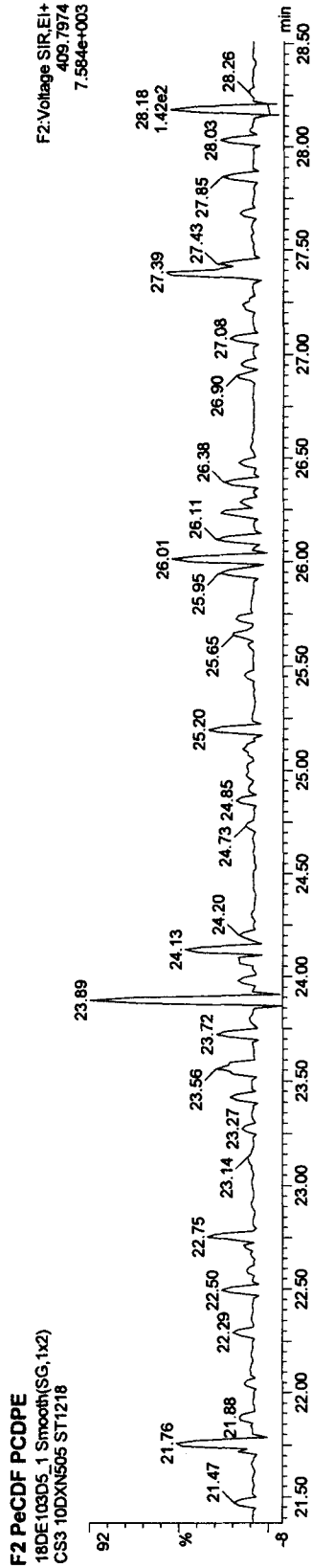
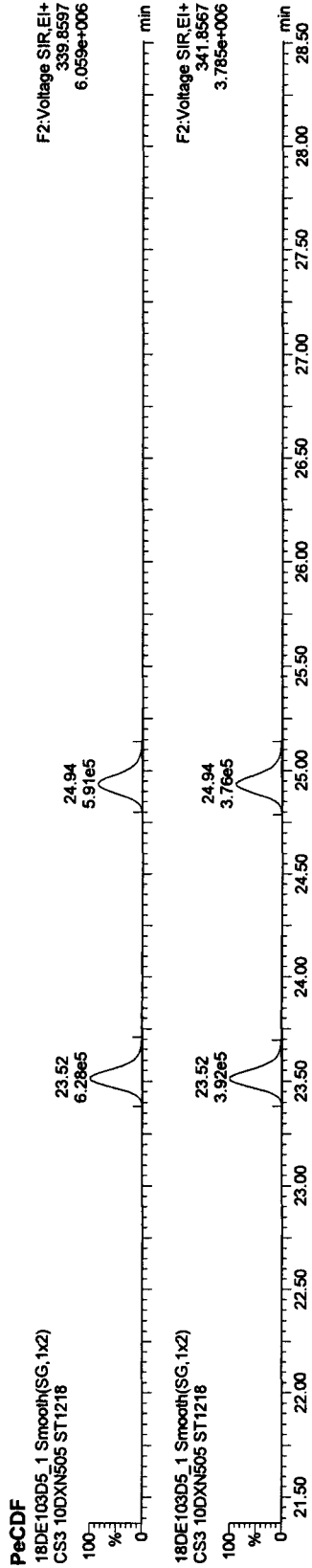


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
 Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

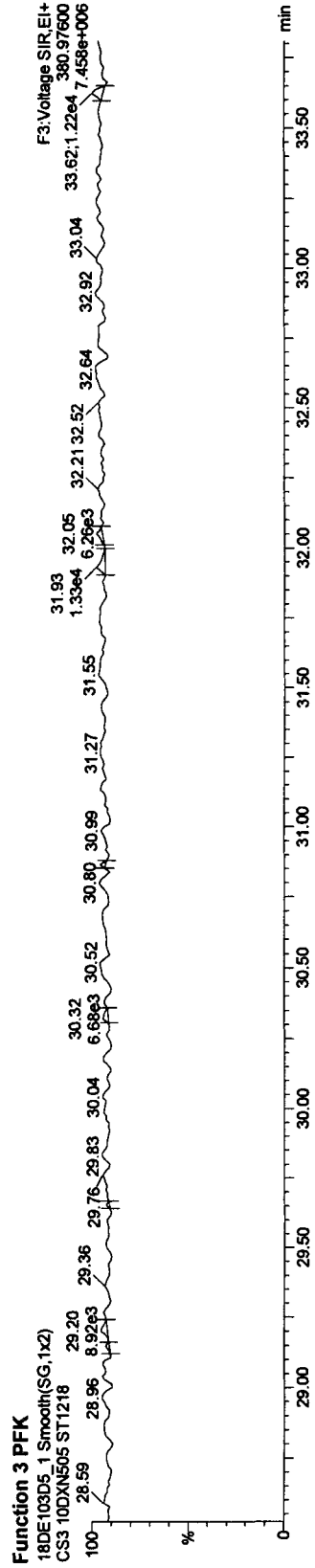
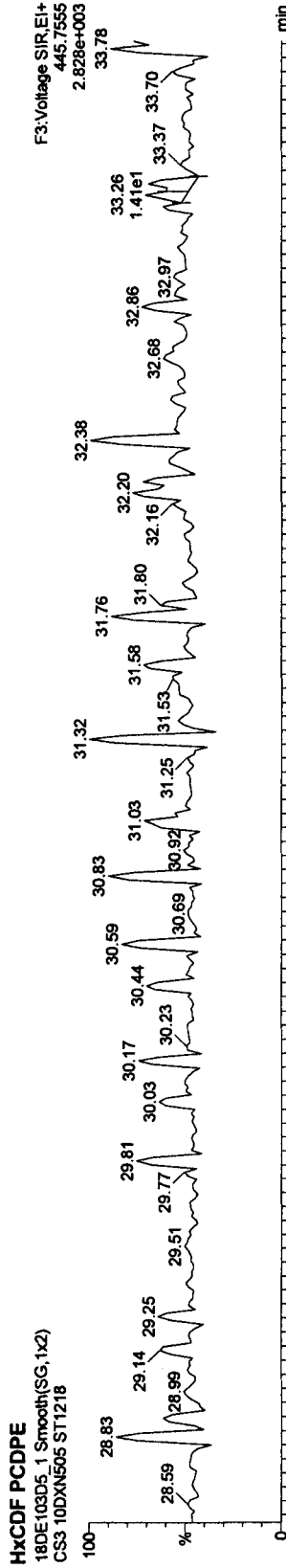
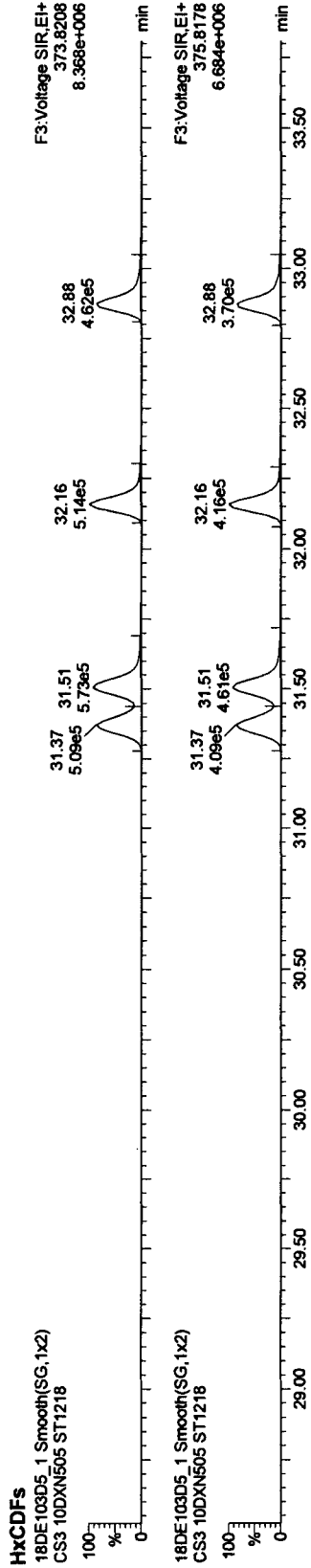


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505



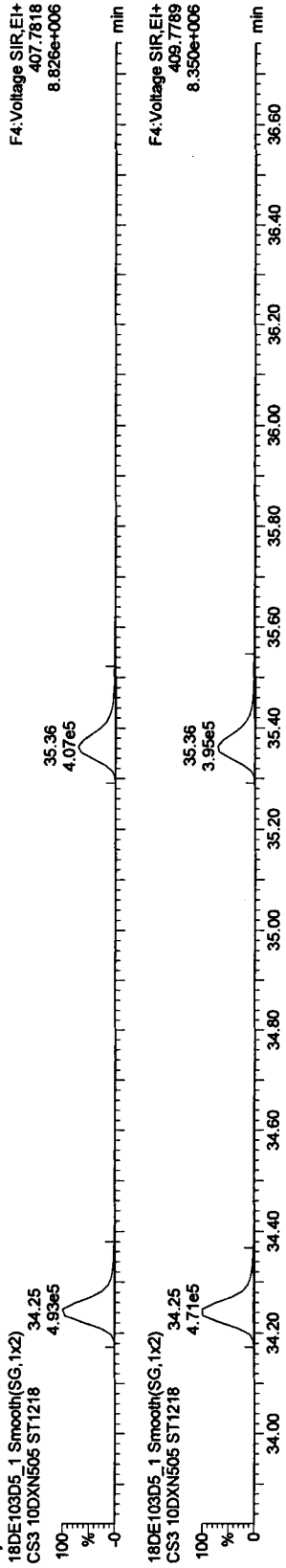
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

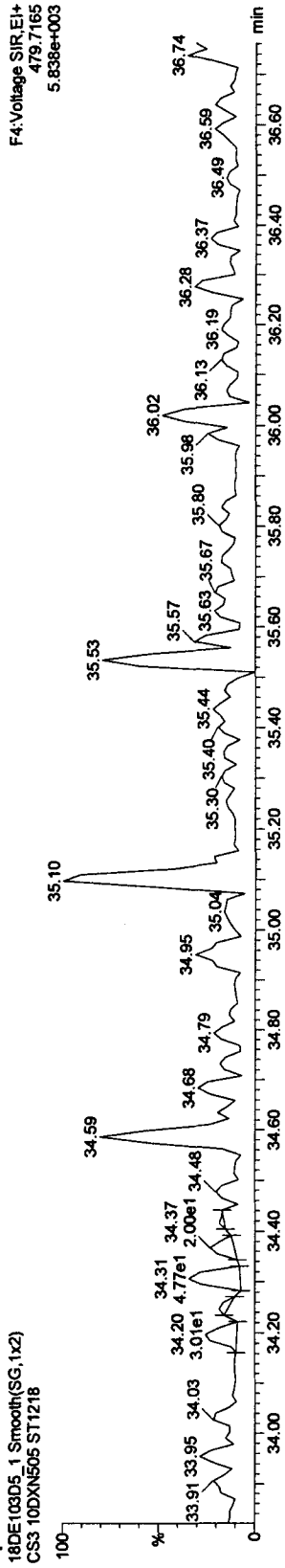
Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

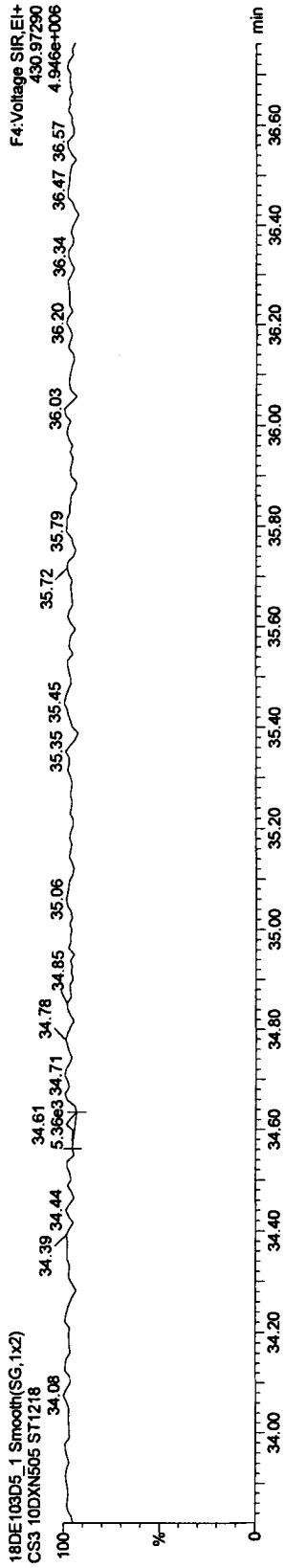
HpCDFs



HpCDF PCDPE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

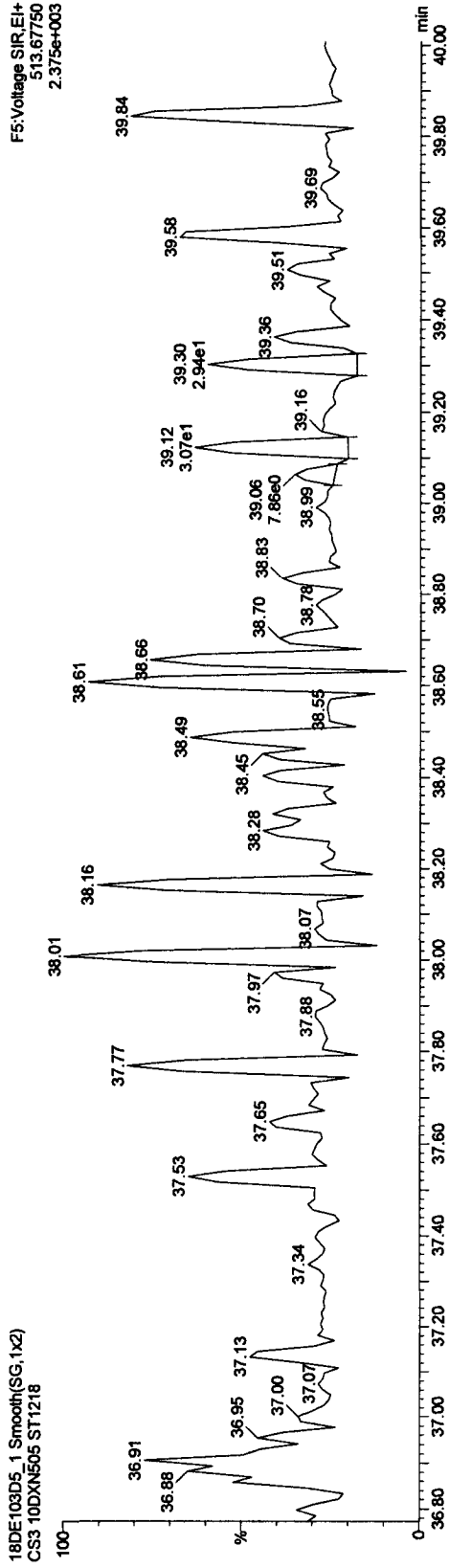
Dataset: C:\MassLynx\JAN2010.PRO\17DE103D5T09AENDSTD.qld

Last Altered: Saturday, December 18, 2010 08:38:04 Pacific Standard Time
Printed: Saturday, December 18, 2010 08:39:10 Pacific Standard Time

Name: 18DE103D5_1, Date: 18-Dec-2010, Time: 07:30:42, ID: ST1218, Description: CS3 10DXN505

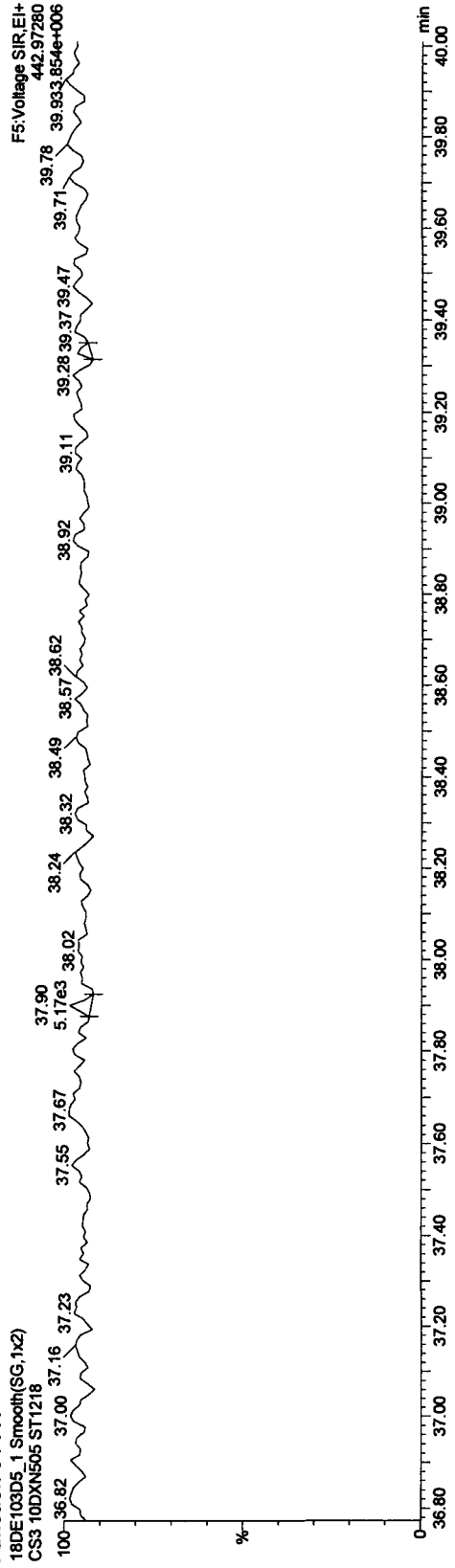
OCDF PCDPE

18DE103D5_1 Smooth(SG,1x2)
CS3 10DXN505 ST1218



Function 5 PFK

18DE103D5_1 Smooth(SG,1x2)
CS3 10DXN505 ST1218



Daily Calibration Checklist Dioxin Methods

Method ID T09

Associated ICAL ICA/1020/03D5T09

Column ID DB5

Instrument ID 3D5

STD ID ST1220F, ST1220G

STD Solution 10DXN505

Analyzed by A.M.

Date Analyzed 12/20/10, 12/21/10

Std. Pkg. By M.G.

Date Std. Pkg. Assembled 12/21/10

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 12/21/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits? **	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS: _____

* Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
 Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
 Method 23: See Method 23 Daily Standard Criteria, Table 5.
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
 ** Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
 Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:59 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%RSD	Mod	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	2697690	18.72	18.72	1.00000	1.00000	100.00	0.0	100.0		0.759	NO
2												
3	13C-2,3,7,8-TCDF	3796220	18.16	18.17	1.32993	1.40721	105.81	5.8	105.8		0.797	NO
4	2,3,7,8-TCDF	338365	18.17	18.17	0.97151	0.89132	9.17	-8.3	91.7		0.755	NO
5	Total TCDFs			21.44	0.97151		9.17					
6												
7	13C-2,3,7,8-TCDD	2709208	18.91	18.92	0.88993	1.00427	112.85	12.8	112.8		0.767	NO
8	2,3,7,8-TCDD	258277	18.93	18.94	1.00877	0.95333	9.45	-5.5	94.5		0.802	NO
9	Total TCDDs			19.55	1.00877		9.45					
10												
11	37CL-2,3,7,8-TCDD	177220	18.93	18.92	0.64940	0.65414	10.07	0.7	100.7			
12												
13	13C-1,2,3,7,8-PeCDF	2897564	23.50	23.56	0.97070	1.07409	110.65	10.7	110.7		1.540	NO
14	1,2,3,7,8-PeCDF	1514075	23.53	23.53	1.06912	1.04507	48.88	-2.2	97.8		1.549	NO
15	2,3,4,7,8-PeCDF	1410800	24.95	24.95	1.02843	0.97378	47.34	-5.3	94.7		1.591	NO
16	Total F2 PeCDFs			34.47	1.04877		96.22					
17	Total F1 PeCDFs			36.56	1.04877		0.07					
18												
19	13C-1,2,3,7,8-PeCDD	2228012	25.70	25.77	0.71523	0.82590	115.47	15.5	115.5		1.592	NO
20	1,2,3,7,8-PeCDD	936816	25.73	25.73	0.88408	0.84094	47.56	-4.9	95.1		1.557	NO
21	Total PeCDDs			31.10	0.88408		47.56					
22												
23	13C-1,2,3,7,8,9-HxCDD	1799765	32.68	32.74	1.00000	1.00000	100.00	0.0	100.0		1.240	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	2012264	31.35	31.36	1.08439	1.11807	103.11	3.1	103.1		0.506	NO
26	1,2,3,4,7,8-HxCDF	1131323	31.37	31.37	1.21851	1.12443	46.14	-7.7	92.3		1.273	NO
27	1,2,3,6,7,8-HxCDF	1335663	31.51	31.50	1.39626	1.32752	47.54	-4.9	95.1		1.163	NO
28	2,3,4,6,7,8-HxCDF	1181372	32.16	32.14	1.23749	1.17417	47.44	-5.1	94.9		1.226	NO
29	1,2,3,7,8,9-HxCDF	1065758	32.86	32.85	1.07822	1.05926	49.12	-1.8	98.2		1.212	NO
30	Total HxCDFs			0.00	1.23262		190.24					
31												
32	13C-1,2,3,6,7,8-HxCDD	1787476	32.38	32.38	0.89448	0.99317	111.03	11.0	111.0		1.243	NO
33	1,2,3,4,7,8-HxCDD	841855	32.32	32.32	1.02768	0.94195	45.83	-8.3	91.7		1.234	NO
34	1,2,3,6,7,8-HxCDD	973274	32.40	32.40	1.11052	1.08899	49.03	-1.9	98.1		1.296	NO
35	1,2,3,7,8,9-HxCDD	932170	32.69	32.69	1.11276	1.04300	46.87	-6.3	93.7		1.244	NO
36	Total HxCDDs			0.00	1.08365		141.73					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	1634328	34.23	34.20	0.88081	0.90808	103.10	3.1	103.1		0.422	NO
39	1,2,3,4,6,7,8-HpCDF	1146699	34.23	34.25	1.40167	1.40327	50.06	0.1	100.1		1.059	NO
40	1,2,3,4,7,8,9-HpCDF	903034	35.36	35.35	1.19912	1.10508	46.08	-7.8	92.2		1.053	NO
41	Total HpCDFs			0.00	1.30039		98.71					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	1566889	35.04	35.01	0.85740	0.87061	101.54	1.5	101.5		1.030	NO
44	1,2,3,4,6,7,8-HpCDD	741258	35.05	35.05	0.98108	0.94615	48.22	-3.6	96.4		1.042	NO
45	Total HpCDDs			-0.04	0.98108		49.88					

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

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Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

Name	Response	RT	Peak	Area	Height	Width	Area%	Height%	Area	Height	Area%	Height%
47 13C-OCDD	2379473	37.50	37.44	0.64317	0.66105	205.56	2.8	102.8			0.906	NO
48 OCDF	1651928	37.61	37.61	1.47706	1.38848	94.00	-6.0	94.0			0.876	NO
49 OCDD	1409502	37.52	37.52	1.19620	1.18472	99.04	-1.0	99.0			0.872	NO
50												
51												
52 Function 1 PFK				0.00								
53 Function 2 PFK				0.00								
54 Function 3 PFK				0.00								
55 Function 4 PFK				0.00								
56 Function 5 PFK				0.00								
57 TCDF PCDPE	86	20.26	20.25	17.814...	86.358...	4.85		384.8	484.8			
58 F1 PeCDF PCDPE			19.31	97.109...								
59 F2 PeCDF PCDPE			28.29	51.062...								
60 HXCDF PCDPE			33.24	21.190...								
61 HPCDF PCDPE	102	34.29	34.27	39.173...	101.62...	2.59		159.4	259.4			
62 OCDF PCDPE	58	39.16	39.16	27.302...	57.611...	2.11		111.0	211.0			

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

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Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

#	Name	Response	RT	Pred RT	RRF	M	RRF	Conc	%Dev	%Rec	Mol.D	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	3604790	18.69	18.69	1.00000		1.00000	100.00	-0.0	100.0		0.786	NO
2													
3	13C-2,3,7,8-TCDF	4995399	18.13	18.17	1.32993		1.38577	104.20	4.2	104.2		0.782	NO
4	2,3,7,8-TCDF	453920	18.14	18.14	0.97151		0.90868	9.35	-6.5	93.5		0.802	NO
5	Total TCDFs			21.44	0.97151			9.35					
6													
7	13C-2,3,7,8-TCDD	3504890	18.88	18.89	0.88993		0.97229	109.25	9.3	109.3		0.777	NO
8	2,3,7,8-TCDD	332513	18.90	18.91	1.00877		0.94871	9.40	-6.0	94.0		0.788	NO
9	Total TCDDs			19.55	1.00877			9.40					
10													
11	37CL-2,3,7,8-TCDD	232480	18.90	18.89	0.64940		0.66330	10.21	2.1	102.1			
12													
13	13C-1,2,3,7,8-PeCDF	3851949	23.49	23.53	0.97070		1.06856	110.08	10.1	110.1		1.622	NO
14	1,2,3,7,8-PeCDF	1977537	23.52	23.52	1.06912		1.02677	48.02	-4.0	96.0		1.557	NO
15	2,3,4,7,8-PeCDF	1836216	24.94	24.94	1.02843		0.95340	46.35	-7.3	92.7		1.578	NO
16	Total F2 PeCDFs			34.47	1.04877			94.37					
17	Total F1 PeCDFs			36.56	1.04877			0.01					
18													
19	13C-1,2,3,7,8-PeCDD	2823445	25.69	25.74	0.71523		0.78325	109.51	9.5	109.5		1.553	NO
20	1,2,3,7,8-PeCDD	1206240	25.71	25.71	0.88408		0.85445	48.32	-3.4	96.6		1.571	NO
21	Total PeCDDs			31.10	0.88408			48.32					
22													
23	13C-1,2,3,7,8,9-HxCDD	2387254	32.66	32.74	1.00000		1.00000	100.00	0.0	100.0		1.255	NO
24													
25	13C-1,2,3,4,7,8-HxCDF	2749936	31.35	31.35	1.08439		1.15192	106.23	6.2	106.2		0.511	NO
26	1,2,3,4,7,8-HxCDF	1468922	31.36	31.37	1.21851		1.06833	43.84	-12.3	87.7		1.228	NO
27	1,2,3,6,7,8-HxCDF	1715902	31.49	31.50	1.39626		1.24796	44.69	-10.6	89.4		1.212	NO
28	2,3,4,6,7,8-HxCDF	1550596	32.14	32.14	1.23749		1.12773	45.57	-8.9	91.1		1.239	NO
29	1,2,3,7,8,9-HxCDF	1352940	32.85	32.85	1.07822		0.98398	45.63	-8.7	91.3		1.243	NO
30	Total HxCDFs			0.00	1.23262			179.72					
31													
32	13C-1,2,3,6,7,8-HxCDD	2539212	32.37	32.37	0.89448		1.06365	118.91	18.9	118.9		1.280	NO
33	1,2,3,4,7,8-HxCDD	1063706	32.30	32.30	1.02768		0.83782	40.76	-18.5	81.5		1.234	NO
34	1,2,3,6,7,8-HxCDD	1361087	32.38	32.38	1.11052		1.07205	48.27	-3.5	96.5		1.262	NO
35	1,2,3,7,8,9-HxCDD	1239268	32.68	32.68	1.11276		0.97610	43.86	-12.3	87.7		1.262	NO
36	Total HxCDDs			0.00	1.08365			132.89					
37													
38	13C-1,2,3,4,6,7,8-HpCDF	2182409	34.22	34.19	0.88081		0.91419	103.79	3.8	103.8		0.451	NO
39	1,2,3,4,6,7,8-HpCDF	1486907	34.22	34.23	1.40167		1.36263	48.61	-2.8	97.2		1.036	NO
40	1,2,3,4,7,8,9-HpCDF	1232510	35.35	35.34	1.19912		1.12950	47.10	-5.8	94.2		0.987	NO
41	Total HpCDFs			0.00	1.30039			95.70					
42													
43	13C-1,2,3,4,6,7,8-HpCDD	2082412	35.04	34.99	0.85740		0.87230	101.74	1.7	101.7		1.020	NO
44	1,2,3,4,6,7,8-HpCDD	995406	35.05	35.05	0.98108		0.95601	48.72	-2.6	97.4		1.062	NO
45	Total HpCDDs			-0.04	0.98108			49.81					
46													
47	13C-OCDD	3154746	37.49	37.43	0.64317		0.66075	205.47	2.7	102.7		0.863	NO
48	OCDF	2193117	37.60	37.60	1.47706		1.39036	94.13	-5.9	94.1		0.904	NO
49	OCDD	1793386	37.51	37.50	1.19620		1.13694	95.05	-5.0	95.0		0.932	NO

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

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Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

#	Name	Response	RT	Pre	RT	RRF	M	RRF	Comp	RRF	RRF	RRF
50												
51												
52	Function 1 PFK					0.00						
53	Function 2 PFK					0.00						
54	Function 3 PFK					0.00						
55	Function 4 PFK					0.00						
56	Function 5 PFK					0.00						
57	TCDF PCDPE	149	20.17	20.25	17.814...	148.74...	8.35	734.9	834.9			
58	F1 PeCDF PCDPE			19.31	97.109...							
59	F2 PeCDF PCDPE			28.29	51.062...							
60	HXCDF PCDPE			33.24	21.190...							
61	HPCDF PCDPE			34.27	39.173...							
62	OCDF PCDPE			39.16	27.302...							

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\20DE10C3D5.SPL

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Last Modified: Monday, December 20, 2010 23:48:18 Pacific Standard Time

Printed: Monday, December 20, 2010 23:48:27 Pacific Standard Time

Page Position (1, 1)

File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units
1	20DE10C3D5_1	CS3 10DXN505	ST1220E	---	1.000000	---
2	20DE10C3D5_2	CS3 10DXN505	ST1220F	---	1.000000	---
3	20DE10C3D5_3	DB-5 CPSM 10LRES076	CP1220B	---	1.000000	---
4	20DE10C3D5_4	GOL190000-26BF 0353026	MCKFP-1-AAB 0023A/Air	42	0.500000	Samp
5	20DE10C3D5_5	GOL190000-26BX 0353026	MCKFP-1-AEB 0023A/Air	42	0.500000	Samp
6	20DE10C3D5_6	GOL190000-26C 0353026	MCKFP-1-ACC 0023A/Air	42	0.500000	Samp
7	20DE10C3D5_7	GOL190000-26L 0353026	MCKFP-1-ADL 0023A/Air	42	0.500000	Samp
8	20DE10C3D5_8	GOL150000-402C 0349402	MCEK8-1-ACC TO9/Air	41	0.500000	Samp
9	20DE10C3D5_9	GOL150000-402L 0349402	MCEK8-1-ADL TO9/Air	41	0.500000	Samp
10	20DE10C3D5_10	GOL170668-1 0353026	MCJTP-1-AA 0023A/Air	42	0.500000	Samp
11	20DE10C3D5_11	GOL170668-2 0353026	MCJTQ-1-AA 0023A/Air	42	0.500000	Samp
12	20DE10C3D5_12	GOL170668-3 0353026	MCJTR-1-AA 0023A/Air	42	0.500000	Samp
13	20DE10C3D5_13	GOL170668-4 0353026	MCJTT-1-AA 0023A/Air	42	0.500000	Samp
14	20DE10C3D5_14	Solvent Blank C-14	SB1220	---	1.000000	---
15	20DE10C3D5_15	CS3 10DXN505	ST1220G	---	1.000000	---
16	20DE10C3D5_16	DB-5 CPSM 10LRES076	CP1220C	---	1.000000	---
17	20DE10C3D5_17	GOL170000-382B 0351382	MCJNK-1-AAB TO9/Air	42	0.500000	Samp
18	20DE10C3D5_18	GOL170000-382C 0351382	MCJNK-1-ACC TO9/Air	42	0.500000	Samp
19	20DE10C3D5_19	GOL170000-382L 0351382	MCJNK-1-ADL TO9/Air	42	0.500000	Samp
20	20DE10C3D5_20	GOL170668-5 0353026	MCJTV-1-AA 0023A/Air	42	0.500000	Samp
21	20DE10C3D5_21	GOL170668-6 0353026	MCJTW-1-AA 0023A/Air	42	0.500000	Samp
22	20DE10C3D5_22	GOL170668-7 0353026	MCJTX-1-AA 0023A/Air	42	0.500000	Samp
23	20DE10C3D5_23	GOL170668-8 0353026	MCJTO-1-AA 0023A/Air	42	0.500000	Samp
24	20DE10C3D5_24	GOL170668-9 0353026	MCJT1-1-AA 0023A/Air	42	0.500000	Samp
25	20DE10C3D5_25	GOL170668-10 0353026	MCJT2-1-AA 0023A/Air	42	0.500000	Samp
26	20DE10C3D5_26	GOL170472-2 0351382	MCG64-1-AA TO9/Air	42	0.500000	Samp
27	20DE10C3D5_27	GOL170472-6 0351382	MCG7G-1-AA TO9/Air	42	0.500000	Samp
28	20DE10C3D5_28	Solvent Blank C-14	SB1220A	---	1.000000	---
29	20DE10C3D5_29	CS3 10DXN505	ST1220H	---	1.000000	---
30	20DE10C3D5_30	DB-5 CPSM 10LRES076	CP1220D	---	1.000000	---
31	20DE10C3D5_31	GOL150491-1MB 0350409	MCGE7-1-AA 8290/Solid	41	10.000000	g
32	20DE10C3D5_32	GOL170472-8 0351382	MCG7N-1-AA TO9/Air	42	0.500000	Samp
33	20DE10C3D5_33	GOL170472-10 0351382	MCG7W-1-AA TO9/Air	42	0.500000	Samp
34	20DE10C3D5_34	GOL170472-13 0351382	MCG77-1-AA TO9/Air	42	0.500000	Samp
35	20DE10C3D5_35	GOL170472-17 0351382	MCG8K-1-AA TO9/Air	42	0.500000	Samp
36	20DE10C3D5_36	GOL140569-1 0349234	MCC8-1-AA 8290/Solid	40	10.270000	g
37	20DE10C3D5_37	GOL140569-2 0349234	MCCVA-1-AA 8290/Solid	40	10.820000	g
38	20DE10C3D5_38	GOL140569-3 0349234	MCCVD-1-AA 8290/Solid	40	10.300000	g
39	20DE10C3D5_39	GOL140569-4 0349234	MCCVE-1-AA 8290/Solid	40	10.990000	g
40	20DE10C3D5_40	GOL140569-5 0349234	MCCVF-1-AA 8290/Solid	40	10.330000	g
41	20DE10C3D5_41	GOL140569-6 0349234	MCCVJ-1-AA 8290/Solid	40	10.690000	g
42	20DE10C3D5_42	GOL150491-1LCS 0350409	MCGE7-1-AC 8290/Solid	41	10.610000	g
43	20DE10C3D5_43	CS3 10DXN505	ST1220I	---	1.000000	---
44	20DE10C3D5_44	DB-5 CPSM 10LRES076	CP1220E	---	1.000000	---
45	20DE10C3D5_45	GOL150549-1MB 0350431	MCGHC-1-AA 1613BT/Water	41	1.000000	L
46	20DE10C3D5_46	GOL140569-7 0349234	MCCVK-1-AA 8290/Solid	40	10.800000	g
47	20DE10C3D5_47	GOL140569-8 0349234	MCCVL-1-AA 8290/Solid	40	10.710000	g
48	20DE10C3D5_48	GOL140569-9 0349234	MCCVN-1-AA 8290/Solid	40	10.610000	g
49	20DE10C3D5_49	GOL150491-1 0350409	MCD1N-1-AA 8290/Solid	41	10.000000	g
50	20DE10C3D5_50	GOL150491-2 0350409	MCD1R-1-AA 8290/Solid	41	10.000000	g
51	20DE10C3D5_51	GOL150491-3 0350409	MCD1T-1-AA 8290/Solid	41	10.000000	g
52	20DE10C3D5_52	GOL150491-4 0350409	MCD1V-1-AA 8290/Solid	41	10.000000	g
53	20DE10C3D5_53	GOL150491-5 0350409	MCD1X-1-AA 8290/Solid	41	10.000000	g
54	20DE10C3D5_54	GOL150491-7 0350409	MCD2D-1-AA 8290/Solid	41	10.000000	g
55	20DE10C3D5_55	GOL150549-1 0350431	MCEEK-1-AA 1613BT/Water	41	1.016090	L
56	20DE10C3D5_56	GOL150549-1LCS 0350431	MCGHC-1-AC 1613BT/Water	41	1.000000	L
57	20DE10C3D5_57	CS3 10DXN505	ST1220J	---	1.000000	---
58	20DE10C3D5_58	DB-5 CPSM 10LRES076	CP1220F	---	1.000000	---

Sample List Report

MassLynx 4.1

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	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units
59	20DE10C3D5_59	Solvent Blank C-14	SB1220B	---	---	1.000000	---
60	20DE10C3D5_60	G0L150491-6 0350409	MCD17-1-AA	8290/Solid	41	10.000000	g
61	20DE10C3D5_61	G0L150491-6S 0350409	MCD17-1-AD	8290/Solid	41	10.000000	g
62	20DE10C3D5_62	G0L150491-6D 0350409	MCD17-1-AE	8290/Solid	41	10.000000	g
63	20DE10C3D5_63	G0L140572-4 0350429	MCCWM-1-AA	8290T/Water	41	1.004480	L
64	20DE10C3D5_64	G0L140521-1 0349403	MCCH4-1-AA	TO9/Air	41	0.500000	Samp
65	20DE10C3D5_65	G0L140521-2 0349403	MCCH7-1-AA	TO9/Air	41	0.500000	Samp
66	20DE10C3D5_66	G0L140521-3 0349403	MCCJA-1-AA	TO9/Air	41	0.500000	Samp
67	20DE10C3D5_67	G0L140521-4 0349403	MCCJD-1-AA	TO9/Air	41	0.500000	Samp
68	20DE10C3D5_68	Solvent Blank C-14	SB1220C	---	---	1.000000	---
69	20DE10C3D5_69	CS3 10DXN505	ST1220K	---	---	1.000000	---

Sample List Report

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Bottle	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF
Tray01:2	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	10	50	100	100	200	10
Tray01:2	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	10	50	100	100	200	10
Tray01:1	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	---	---	---
Tray01:4	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:5	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:6	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:7	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:8	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:9	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:10	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:11	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:12	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:13	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	2000
Tray01:3	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	---	---	---
Tray01:2	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	10	50	100	100	200	10
Tray01:1	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	---	---	---
Tray01:14	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:15	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:16	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:17	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:18	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:19	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:20	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:21	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:22	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:23	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:24	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:3	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	---	---	---
Tray01:2	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	10	50	100	100	200	10
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Tray01:25	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
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Tray01:27	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:28	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:29	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:30	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:31	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
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Tray01:46	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
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Tray01:48	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	2000	4000	800
Tray01:2	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	10	50	100	100	200	10
Tray01:1	---	2.000000	Analyte	AM	Dioxin3D5	dioxin	---	---	---	---	---	---

Sample List Report**MassLynx 4.1**

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Bottle	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF
Tray01:3	—	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	—	—	—
Tray01:49	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:50	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
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Tray01:53	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:54	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:55	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:56	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:3	—	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	—	—	—
Tray01:2	—	2.000000	Analyte	AM	Dioxin3D5	dioxin	10	50	100	100	200	10

Sample List Report

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ConG	Process	Process Options	Action On Error
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Sample List Report**MassLynx 4.1**

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\20DE10C3D5.SPL

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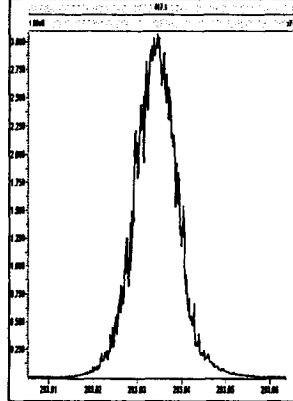
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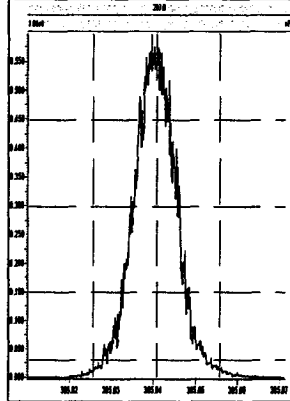
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Printed: Monday, December 20, 2010 17:25:53 Pacific Standard Time

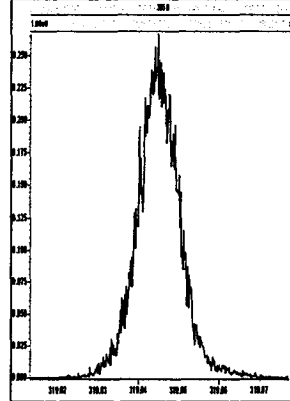
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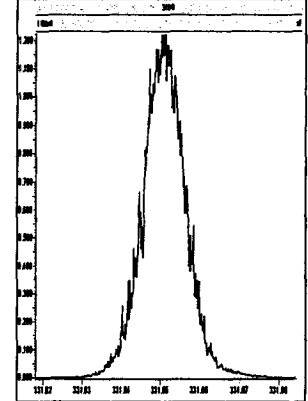
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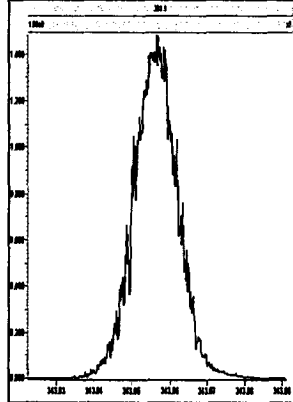
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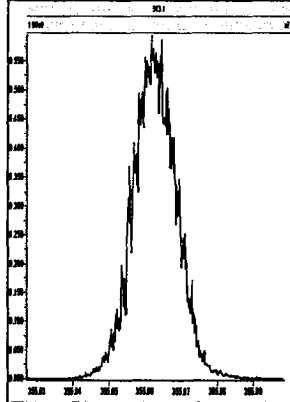
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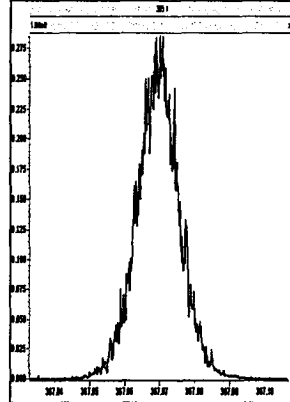
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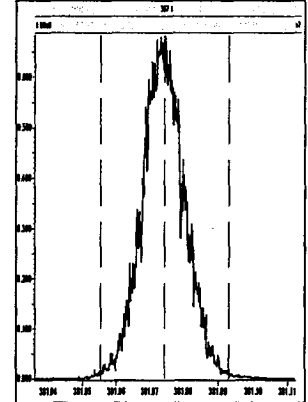
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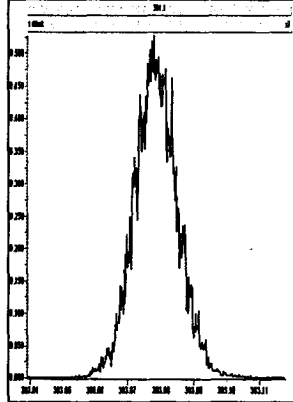
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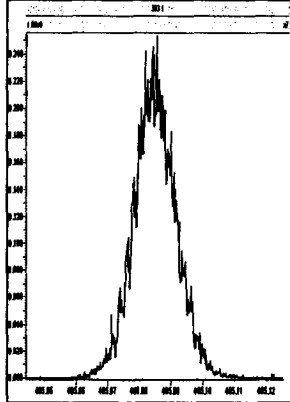
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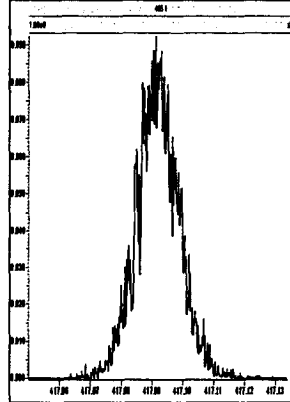
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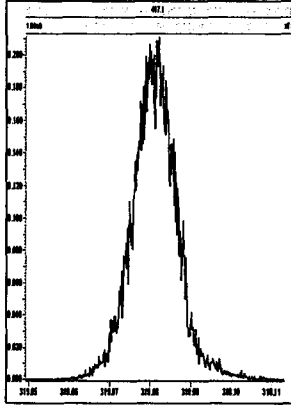
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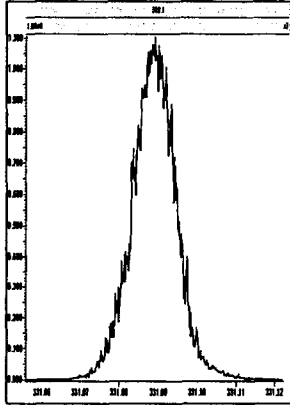
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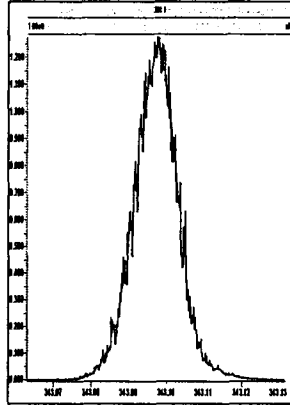
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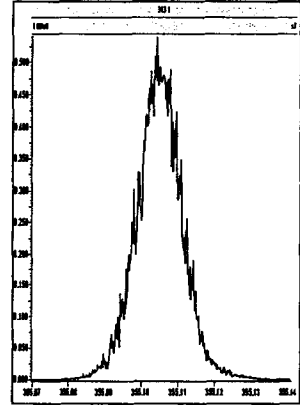
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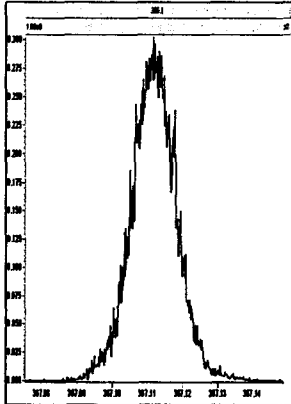
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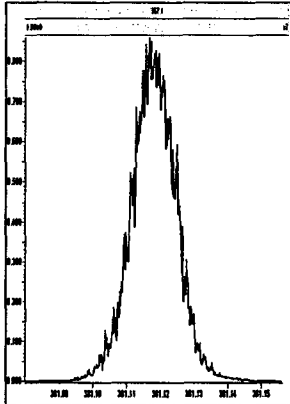
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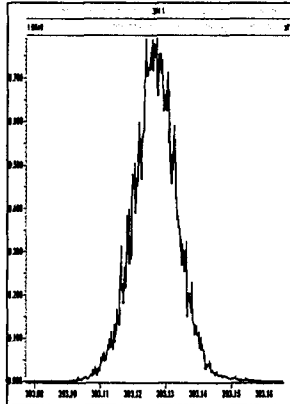
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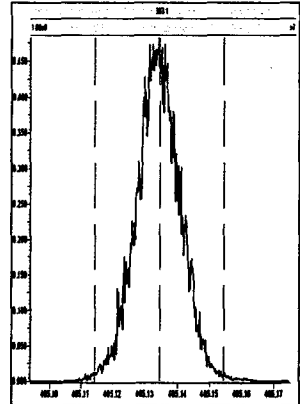
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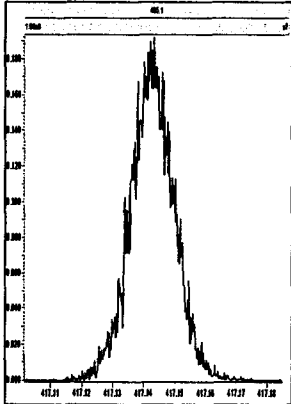
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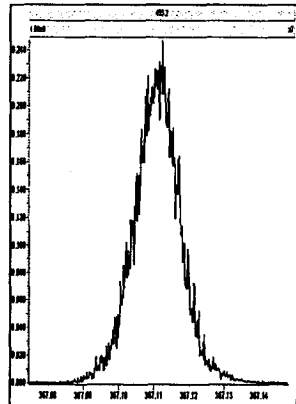
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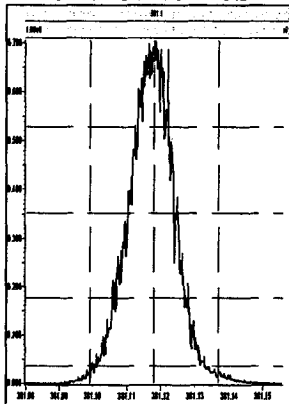
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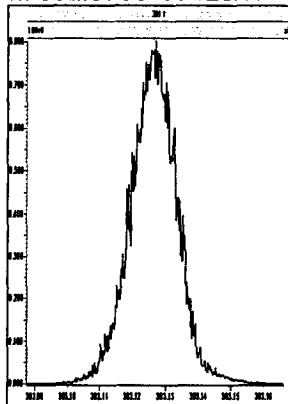
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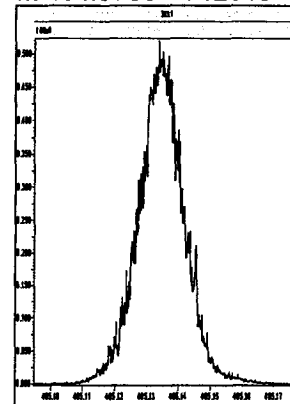
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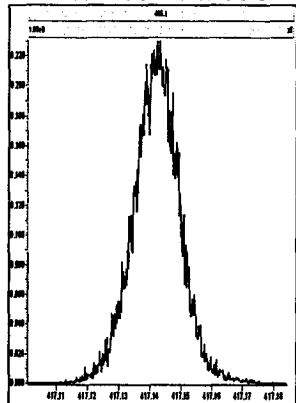
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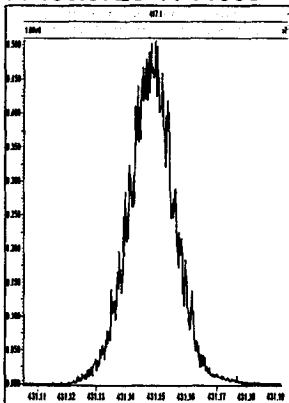
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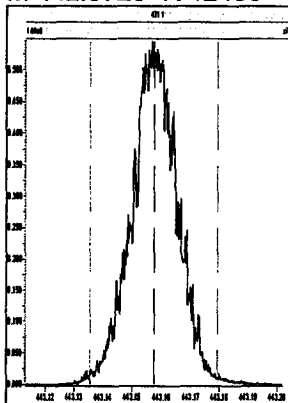
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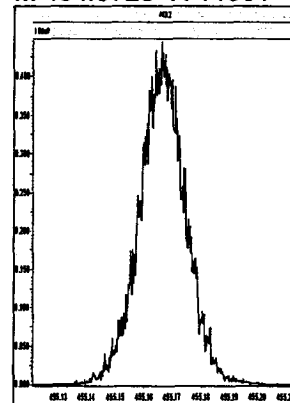
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M 442.9728 R 12438



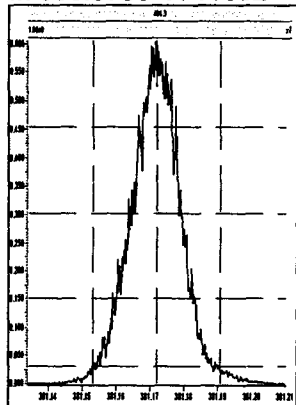
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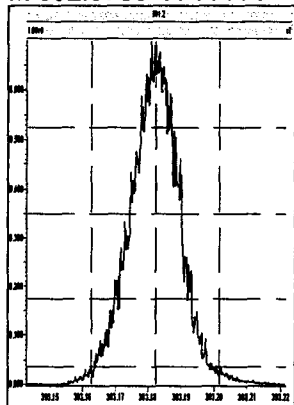
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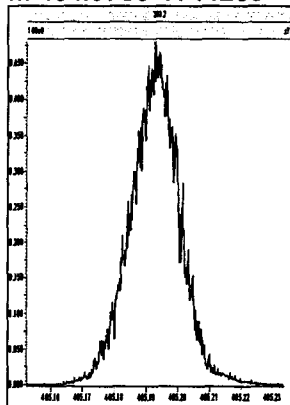
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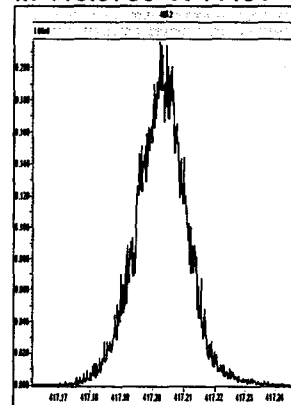
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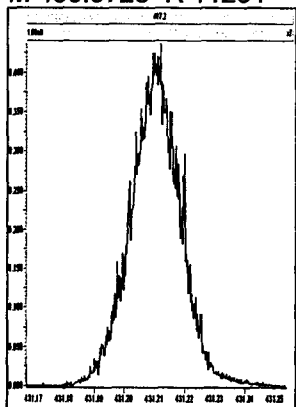
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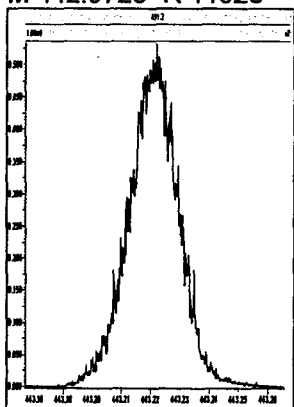
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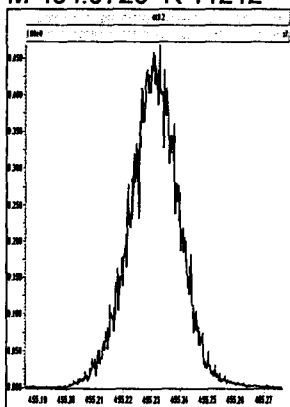
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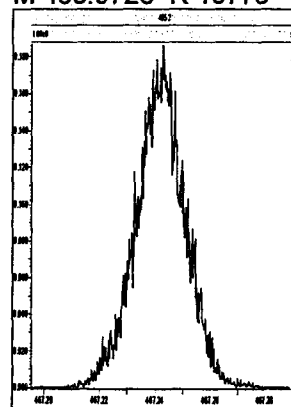
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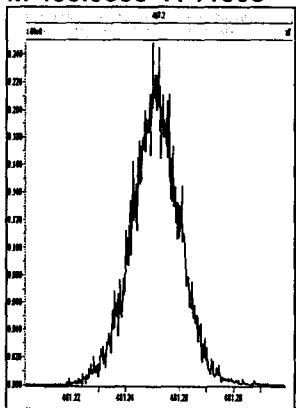
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M 466.9728 R 10776



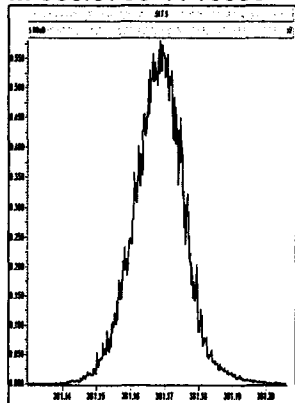
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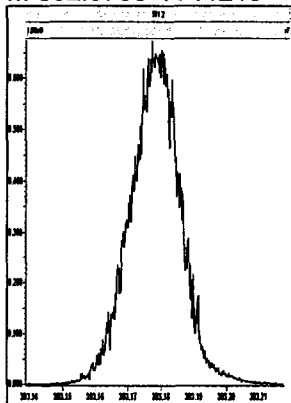
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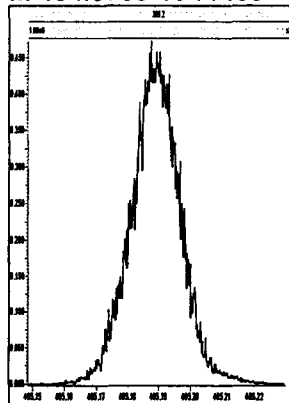
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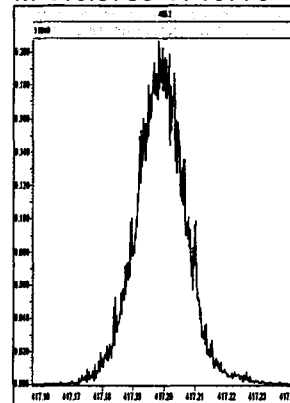
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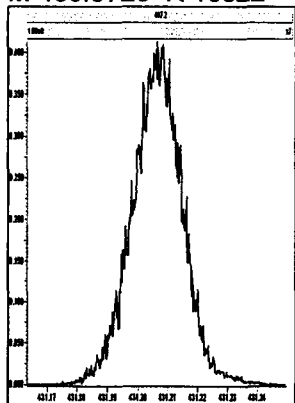
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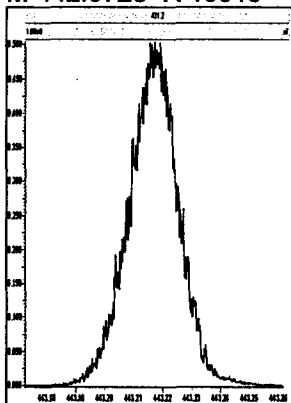
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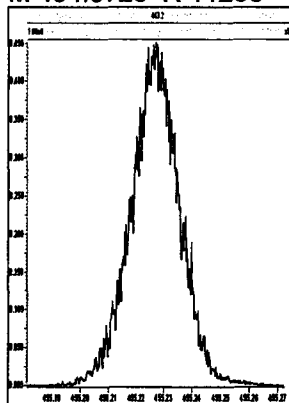
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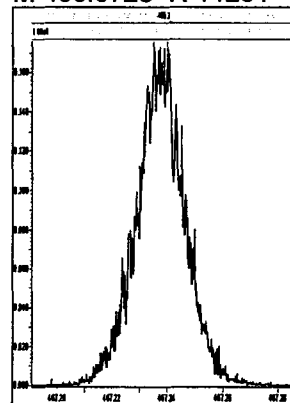
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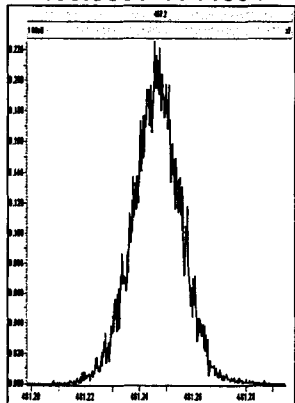
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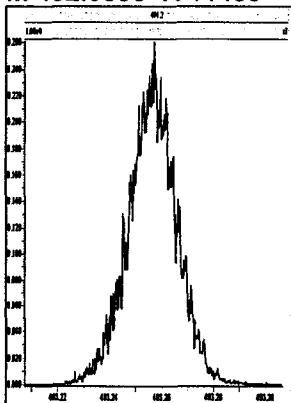
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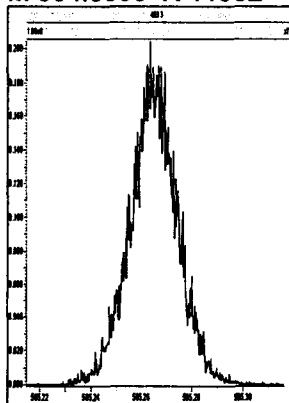
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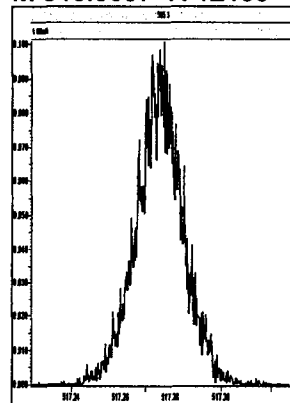
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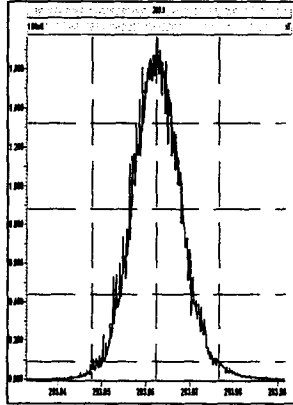
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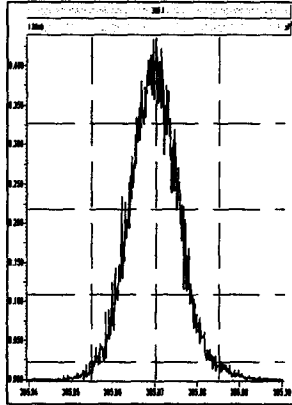
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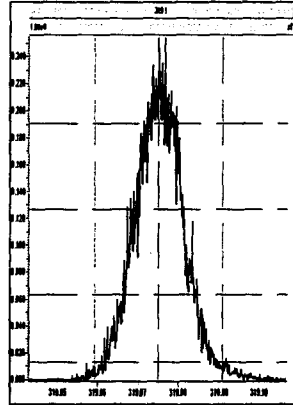
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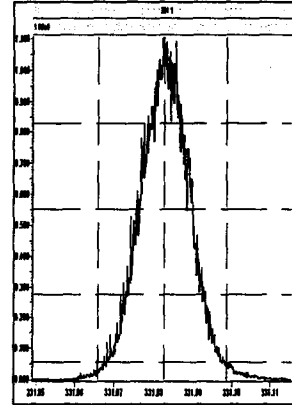
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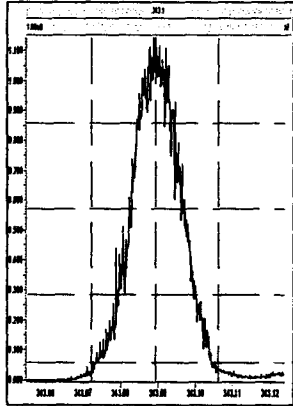
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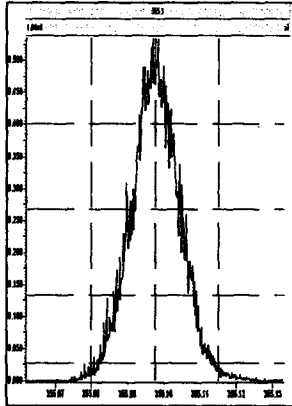
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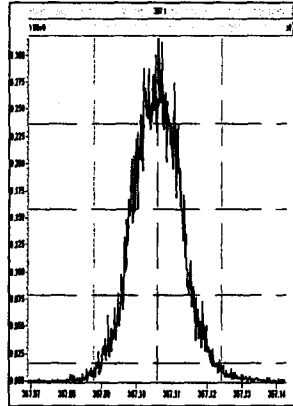
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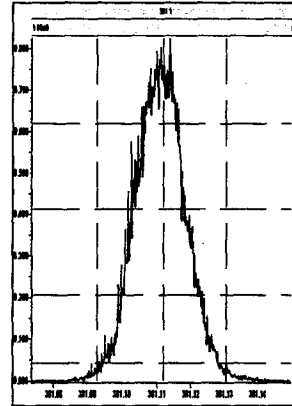
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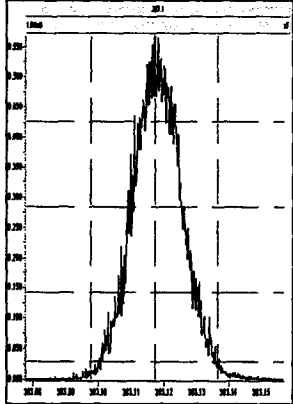
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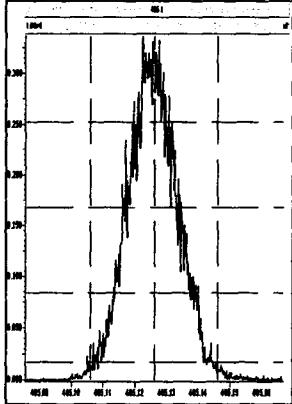
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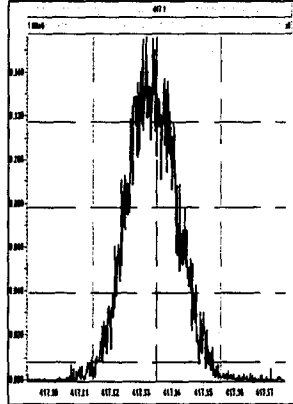
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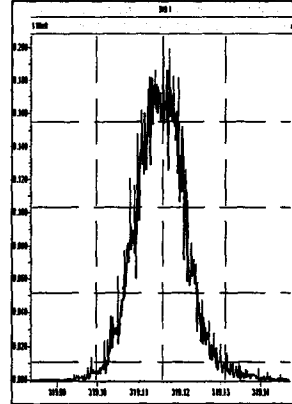
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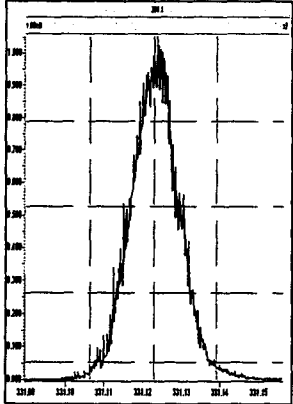
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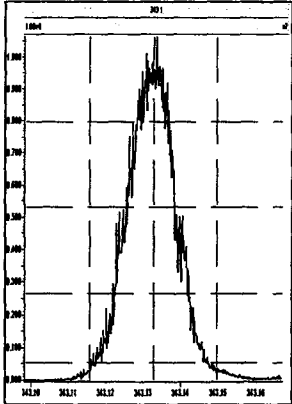
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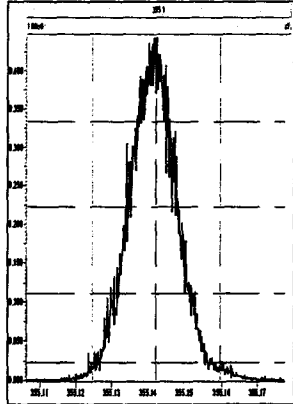
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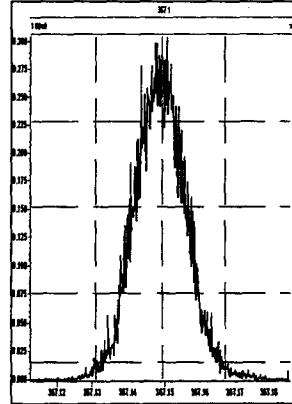
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M 354.9792 R 11633

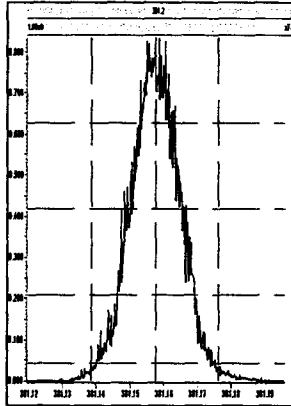


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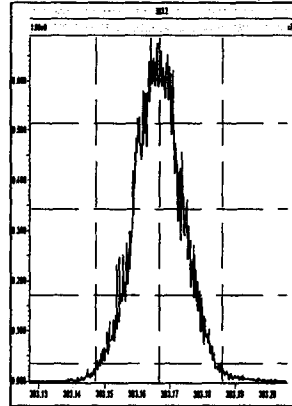


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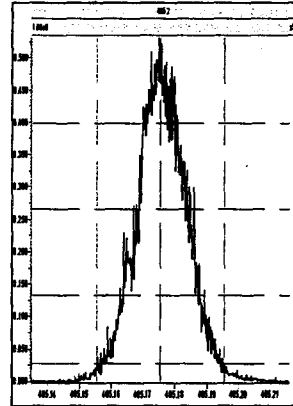
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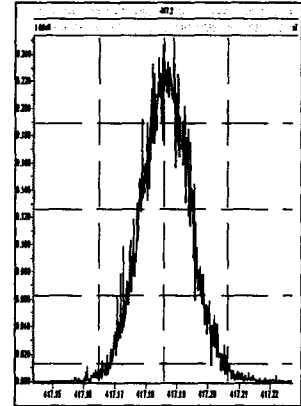
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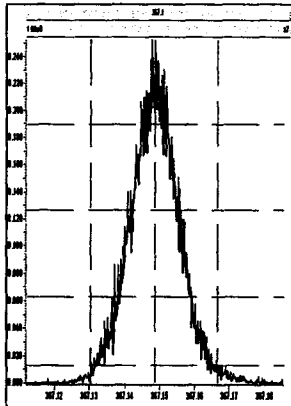
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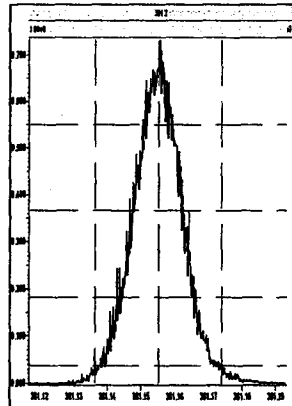
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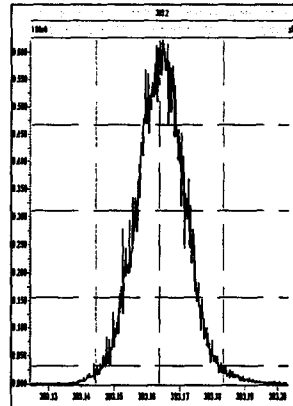
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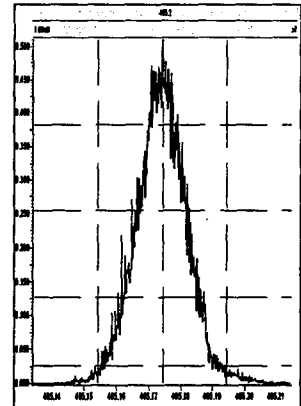
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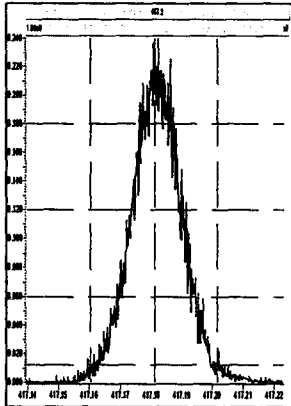
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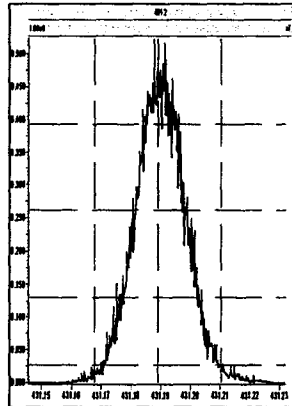
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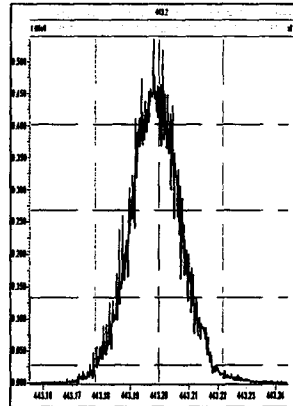
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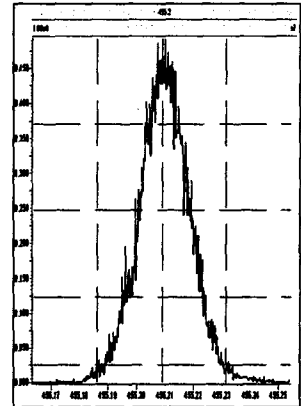
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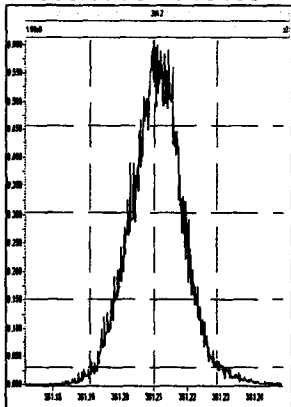
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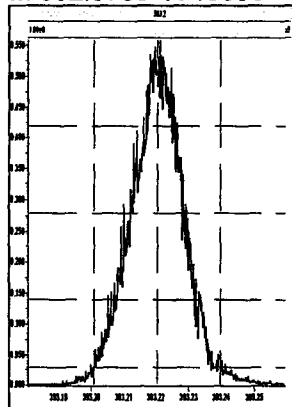
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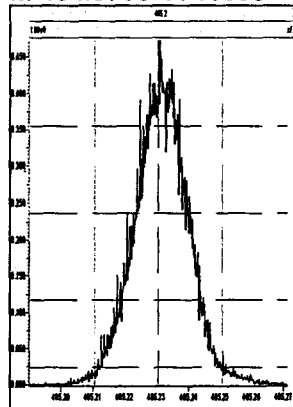
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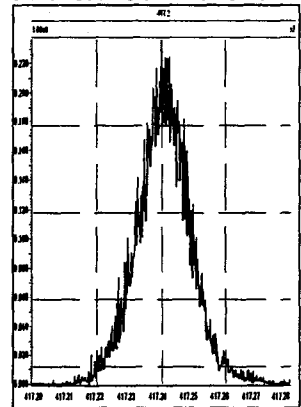
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M 404.9760 R 10593

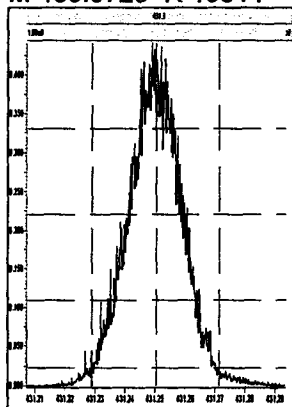


M 416.9760 R 10803

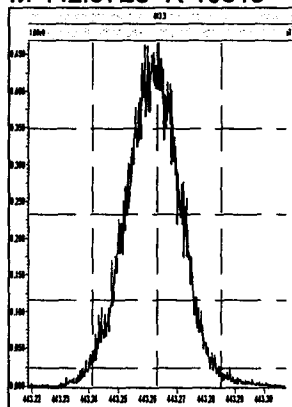


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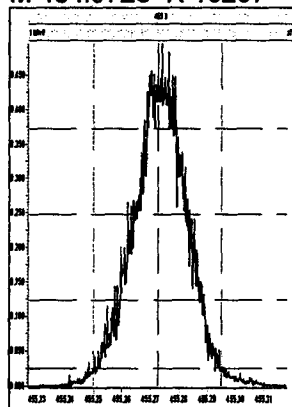
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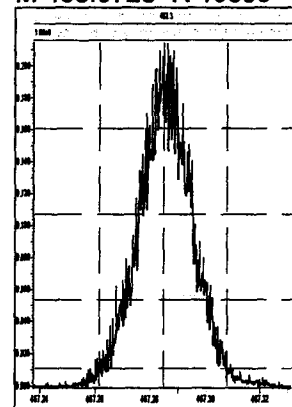
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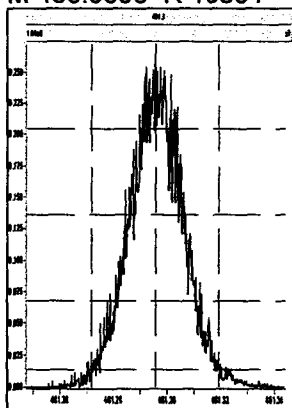
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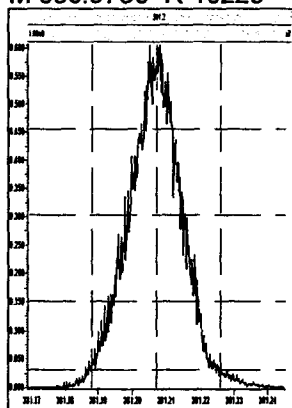
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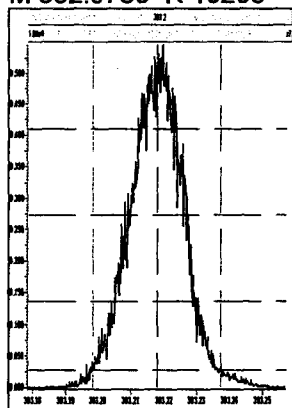
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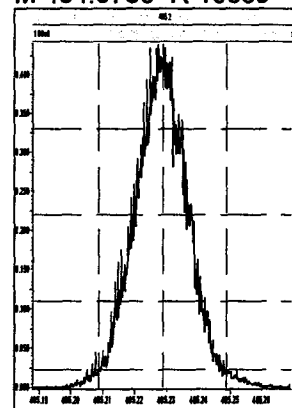
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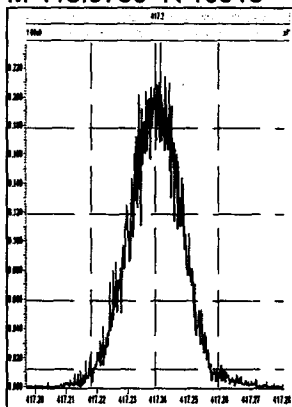
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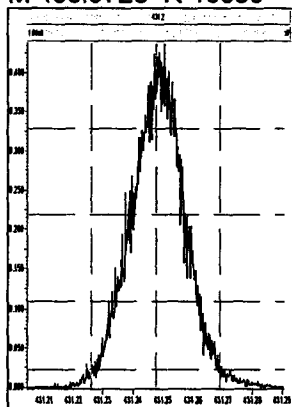
M 404.9760 R 10869



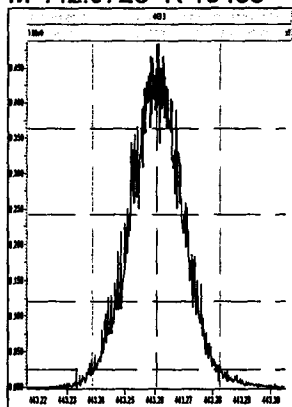
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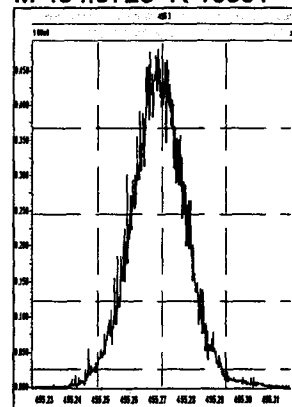
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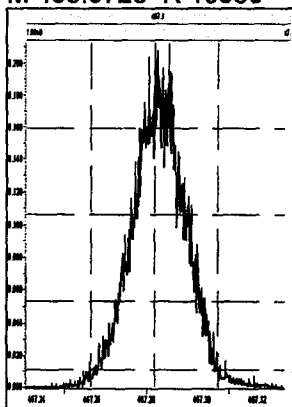
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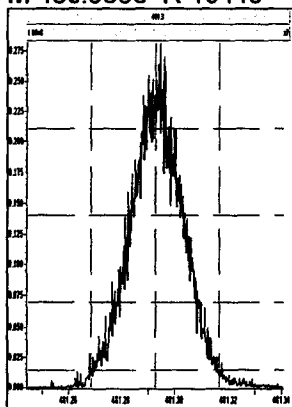
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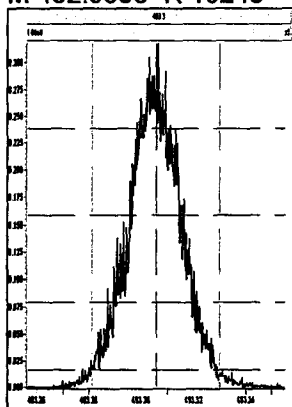
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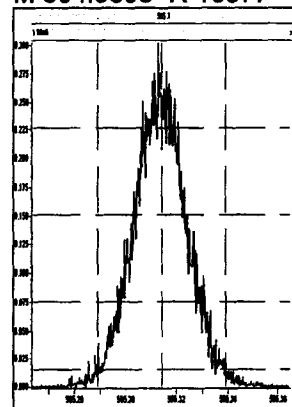
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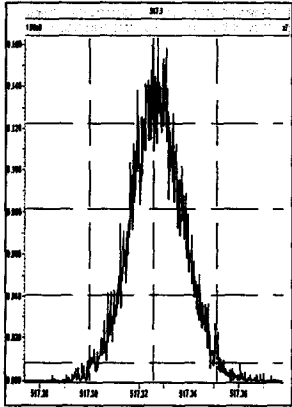
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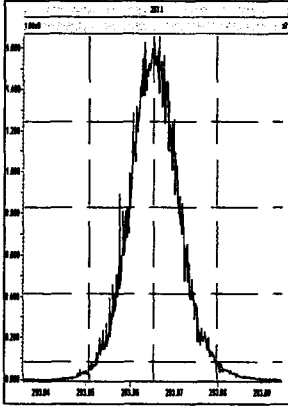
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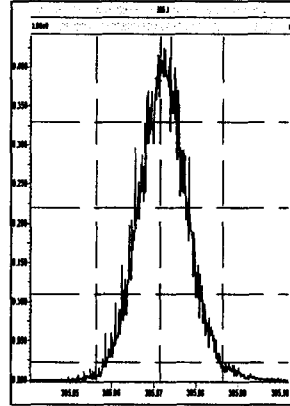
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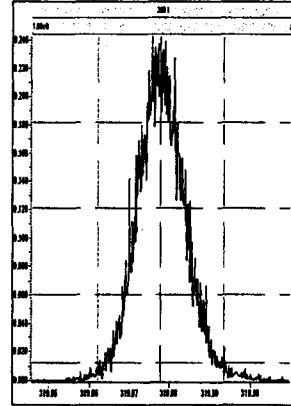
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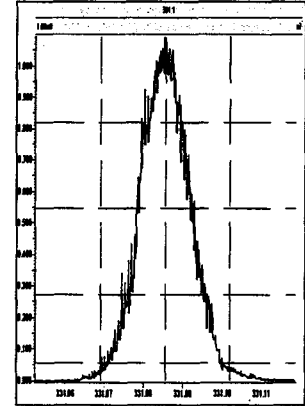
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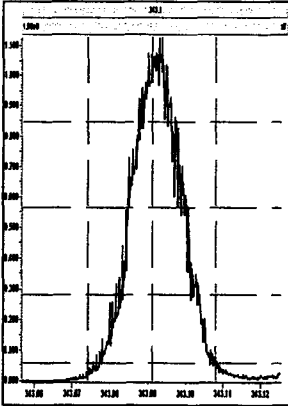
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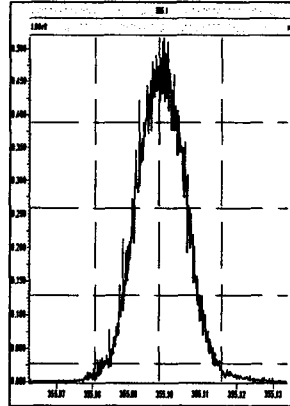
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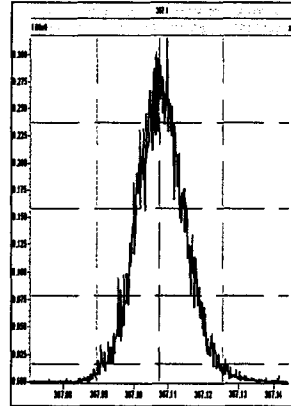
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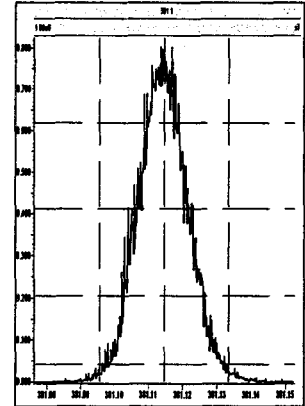
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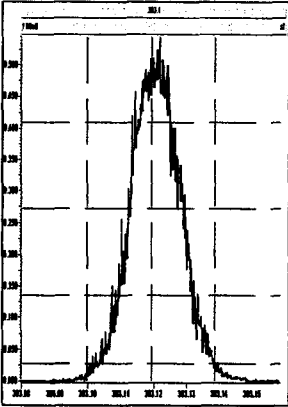
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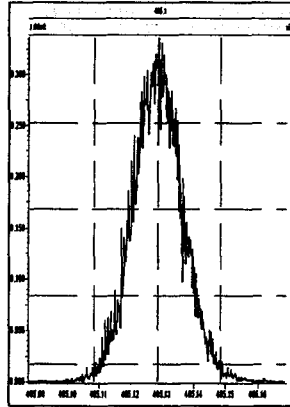
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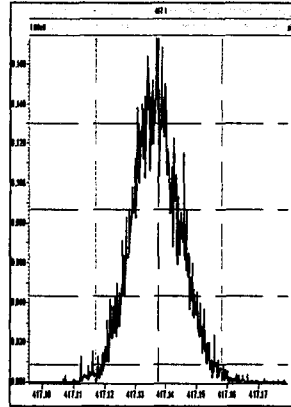
M 392.9760 R 11421



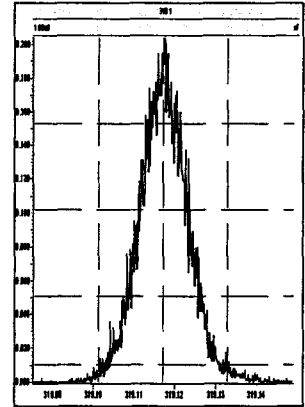
M 404.9760 R 11468



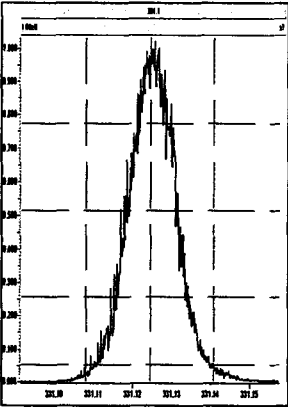
M 416.9760 R 12107



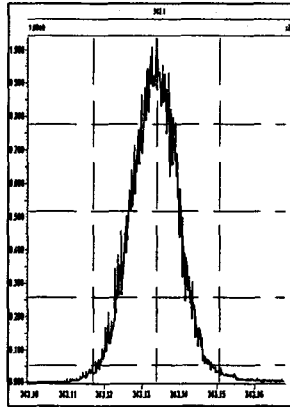
M 318.9792 R 11765



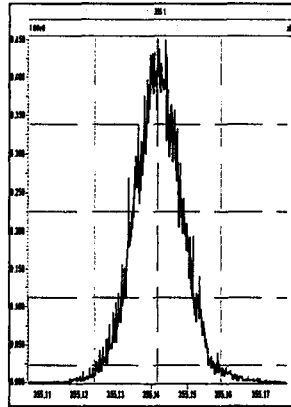
M 330.9792 R 11312



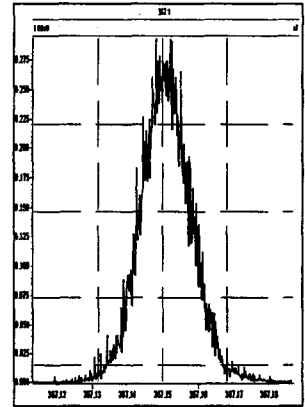
M 342.9792 R 11441



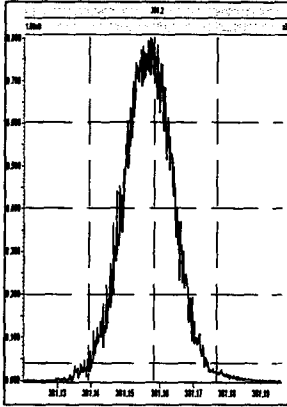
M 354.9792 R 11576



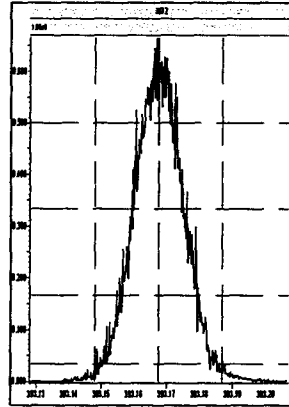
M 366.9792 R 11848



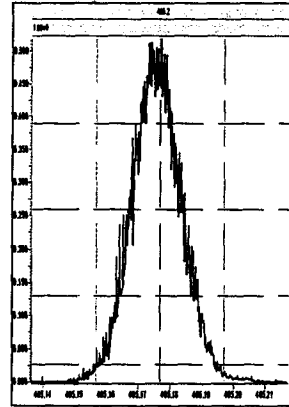
M 380.9760 R 11289



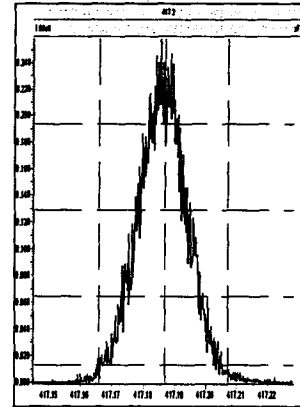
M 392.9760 R 11446



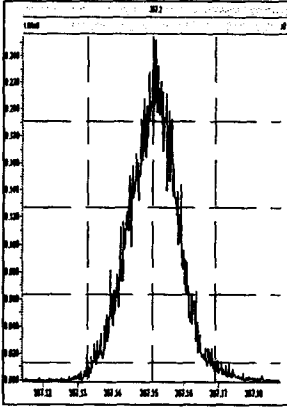
M 404.9760 R 11063



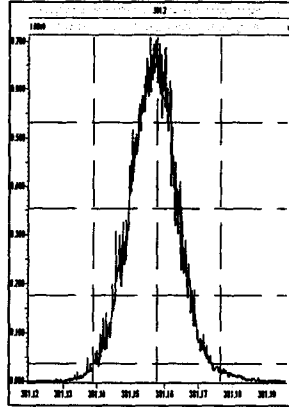
M 416.9760 R 11065



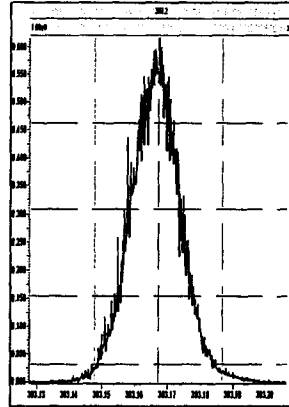
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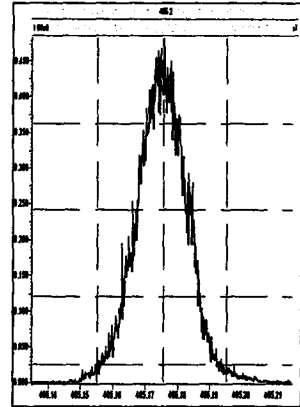
M 380.9760 R 11338



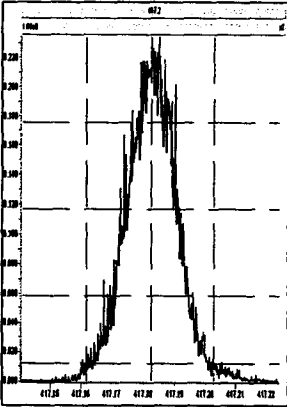
M 392.9760 R 11669



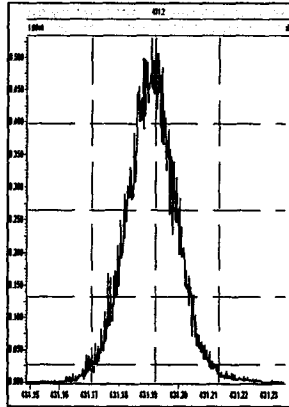
M 404.9760 R 11137



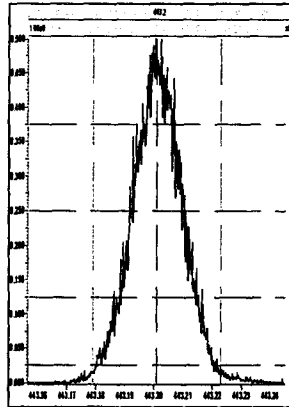
M 416.9760 R 11038



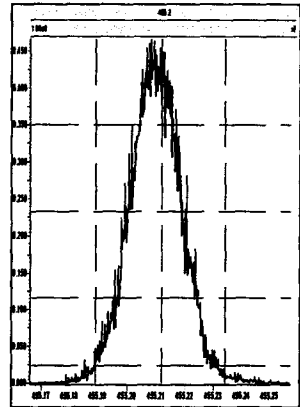
M 430.9728 R 11338



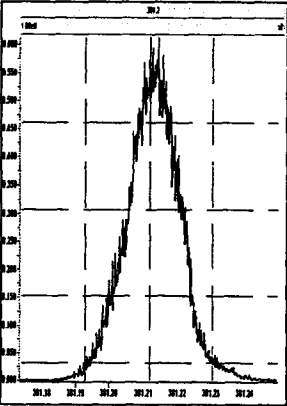
M 442.9728 R 10825



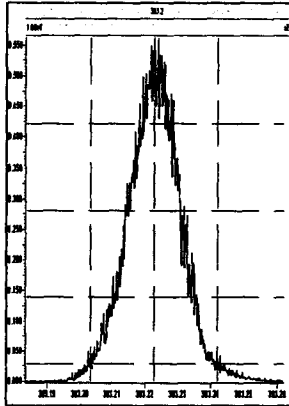
M 454.9728 R 10848



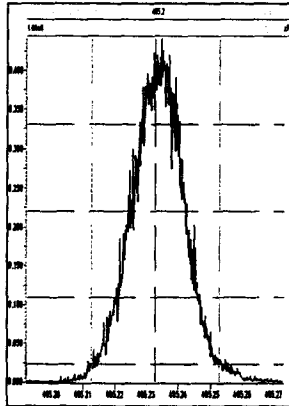
M 380.9760 R 10650



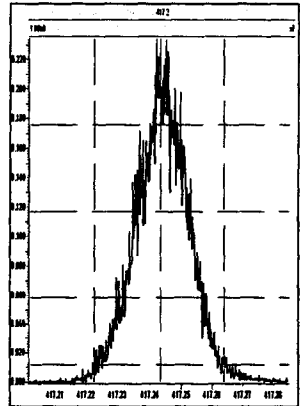
M 392.9760 R 10460



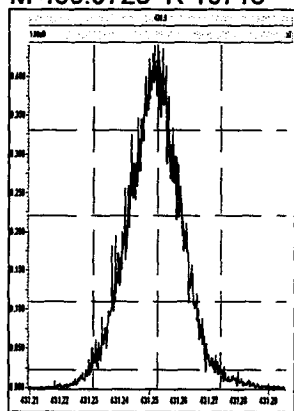
M 404.9760 R 10330



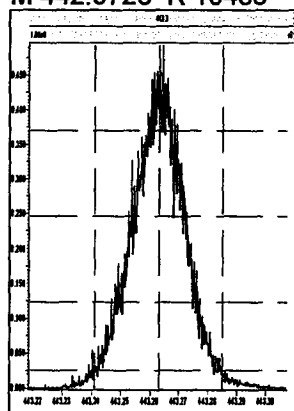
M 416.9760 R 10752



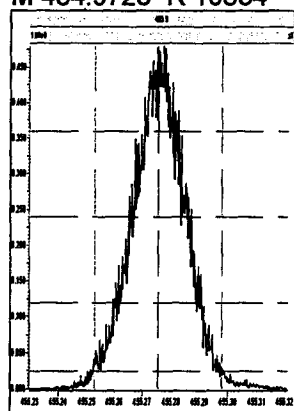
M 430.9728 R 10716



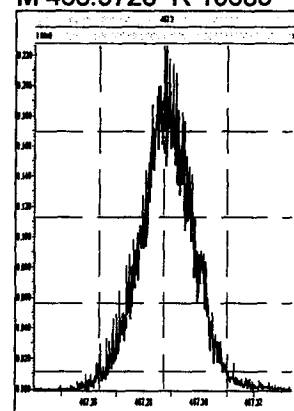
M 442.9728 R 10438



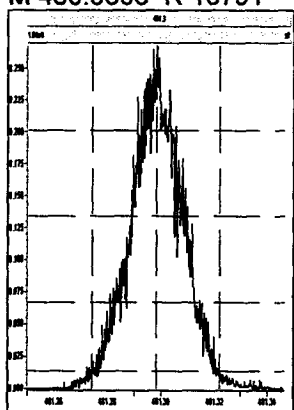
M 454.9728 R 10334



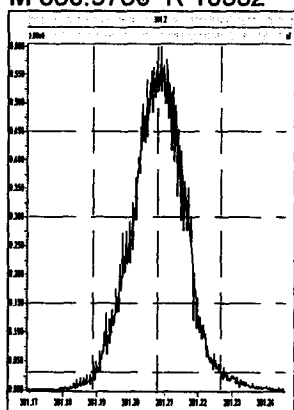
M 466.9728 R 10683



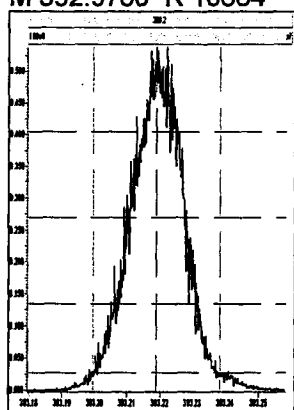
M 480.9696 R 10791



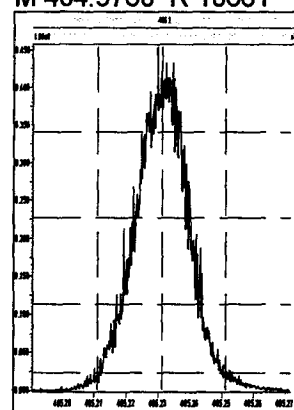
M 380.9760 R 10332



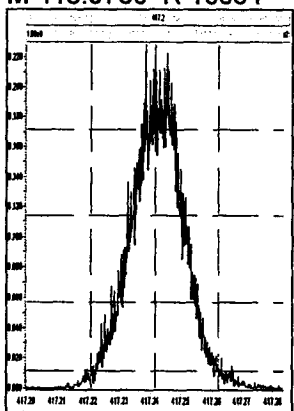
M 392.9760 R 10664



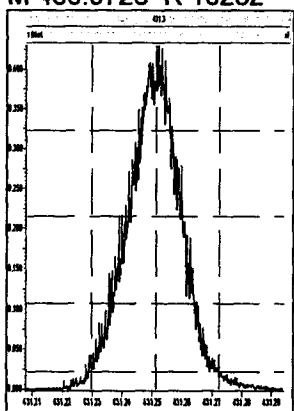
M 404.9760 R 10661



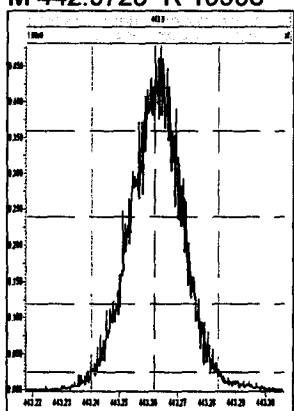
M 416.9760 R 10664



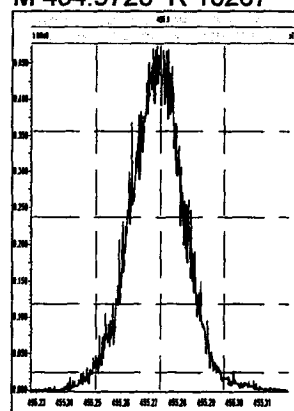
M 430.9728 R 10282



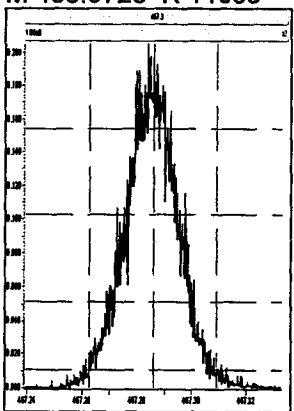
M 442.9728 R 10908



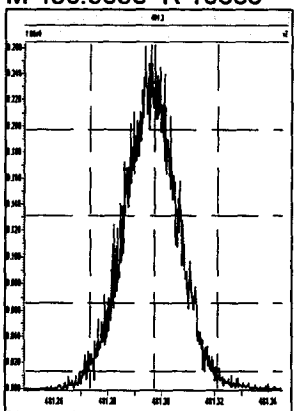
M 454.9728 R 10267



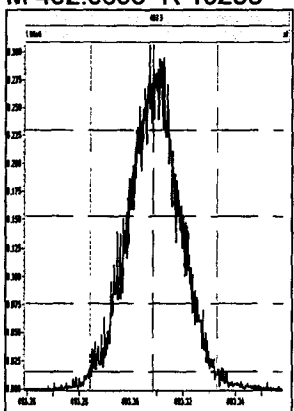
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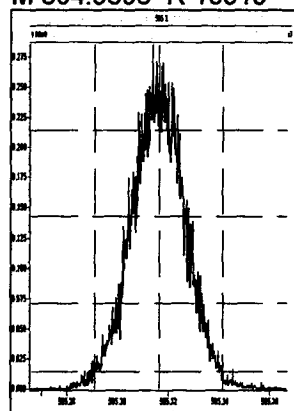
M 480.9696 R 10683



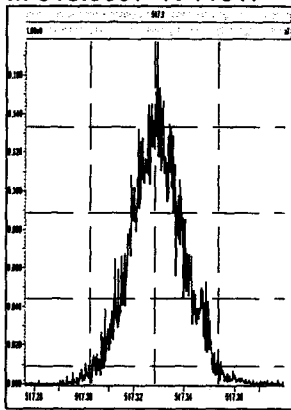
M 492.9696 R 10288

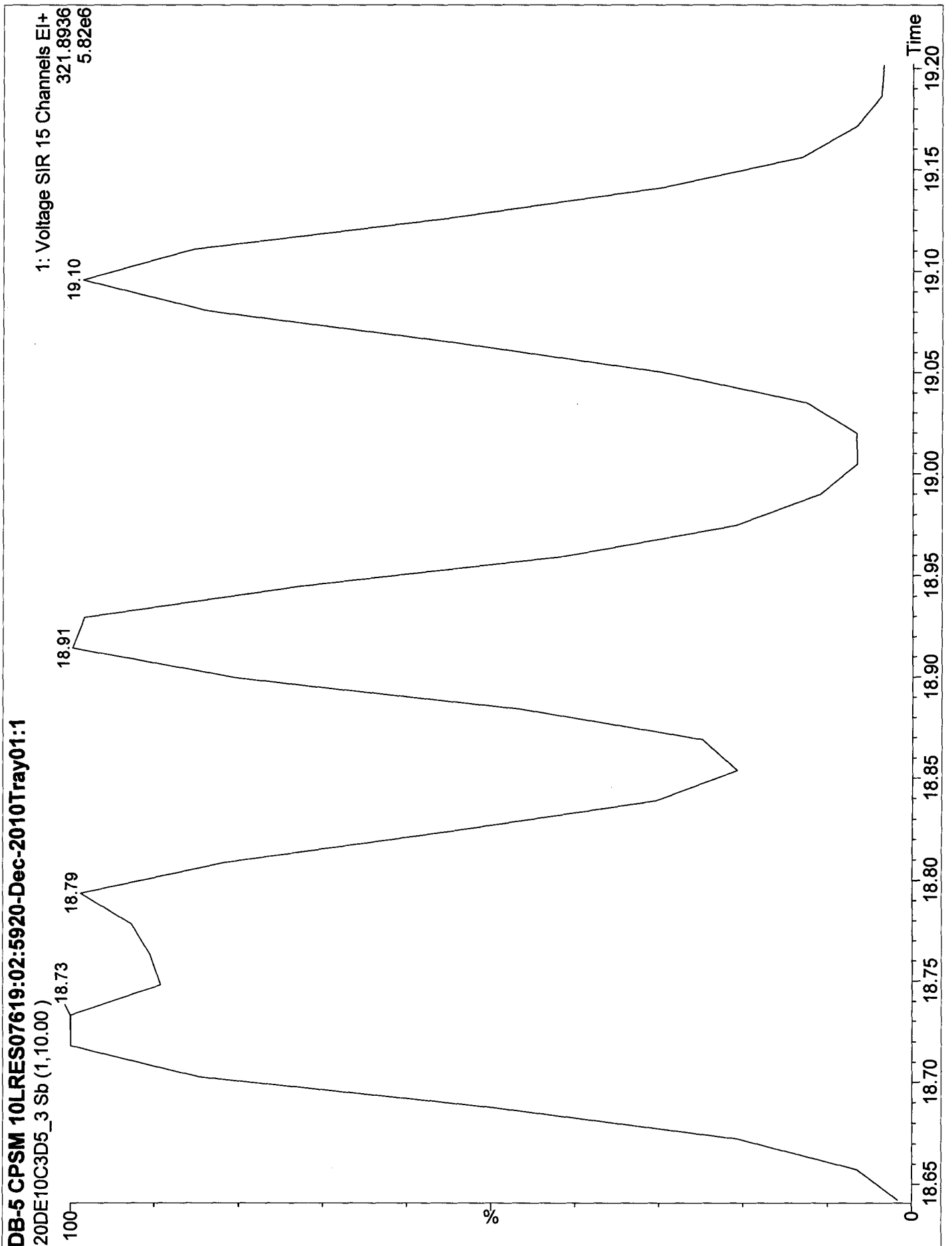


M 504.9696 R 10515



M 516.9697 R 11317





Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:13:22 Pacific Standard Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33

Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

#	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	1.32993	0.01679	1.26243
4	2,3,7,8-TCDF	0.97151	0.07157	7.36682
5	Total TCDFs	0.97151	0.07157	7.36682
6				
7	13C-2,3,7,8-TCDD	0.88993	0.03148	3.53700
8	2,3,7,8-TCDD	1.00877	0.06276	6.22099
9	Total TCDDs	1.00877	0.06276	6.22099
10				
11	37CL-2,3,7,8-TCDD	0.64940	0.01593	2.45252
12				
13	13C-1,2,3,7,8-PeCDF	0.97070	0.05863	6.03994
14	1,2,3,7,8-PeCDF	1.06912	0.06653	6.22262
15	2,3,4,7,8-PeCDF	1.02843	0.05486	5.33479
16	Total F2 PeCDFs	1.04877	0.05962	5.68509
17	Total F1 PeCDFs	1.04877	0.05962	5.68509
18				
19	13C-1,2,3,7,8-PeCDD	0.71523	0.04044	5.65453
20	1,2,3,7,8-PeCDD	0.88408	0.05990	6.77503
21	Total PeCDDs	0.88408	0.05990	6.77503
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	1.08439	0.03115	2.87274
26	1,2,3,4,7,8-HxCDF	1.21851	0.05428	4.45440
27	1,2,3,6,7,8-HxCDF	1.39626	0.03424	2.45258
28	2,3,4,6,7,8-HxCDF	1.23749	0.07891	6.37645
29	1,2,3,7,8,9-HxCDF	1.07822	0.06388	5.92460
30	Total HxCDFs	1.23262	0.04921	3.99262
31				
32	13C-1,2,3,6,7,8-HxCDD	0.89448	0.01721	1.92420
33	1,2,3,4,7,8-HxCDD	1.02768	0.07515	7.31291
34	1,2,3,6,7,8-HxCDD	1.11052	0.04819	4.33951
35	1,2,3,7,8,9-HxCDD	1.11276	0.06800	6.11064
36	Total HxCDDs	1.08365	0.05954	5.49463
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.88081	0.04514	5.12428
39	1,2,3,4,6,7,8-HpCDF	1.40167	0.08144	5.81019
40	1,2,3,4,7,8,9-HpCDF	1.19912	0.07854	6.54946
41	Total HpCDFs	1.30039	0.07990	6.14402
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.85740	0.04397	5.12838
44	1,2,3,4,6,7,8-HpCDD	0.98108	0.03785	3.85794
45	Total HpCDDs	0.98108	0.03785	3.85794
46				
47	13C-OCDD	0.643	0.02000	3.10000

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:13:22 Pacific Standard Time

#	Name	RRF Mean	RRF SD	RRF R _{rel} SD
48	OCDF	1.47706	0.10157	6.87631
49	OCDD	1.19620	0.03953	3.30441
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	17.81450	9.82383	55.14516
58	F1 PeCDF PCDPE	97.10950	108.94889	112.19180
59	F2 PeCDF PCDPE	51.06250	44.53548	87.21758
60	HXCDF PCDPE	21.19080	12.84340	60.60837
61	HPCDF PCDPE	39.17300	11.71999	29.91853
62	OCDF PCDPE	27.30250	21.54033	78.89507

Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROV20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

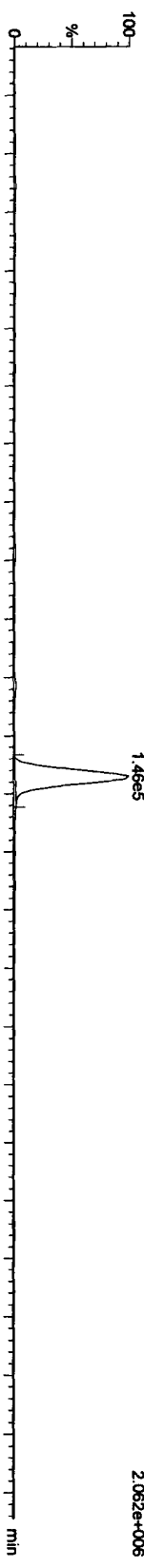
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Method: C:\MassLynx\LAN2010\PROV\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\LAN2010\PROV\CurveDB\ICA1020103D5T09.cdb 20 Oct 2010 16:23:11

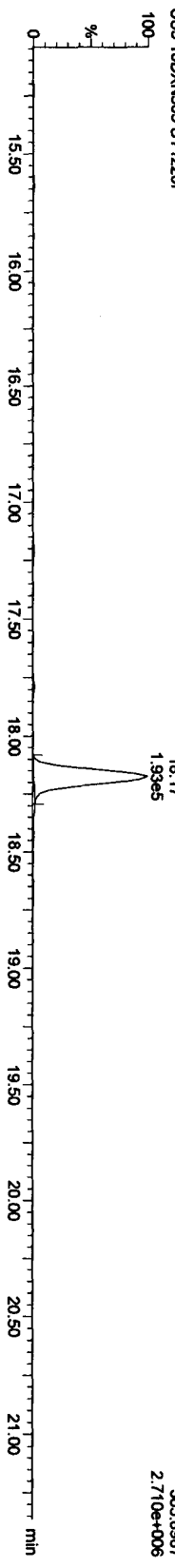
Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

TCDFs

20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F

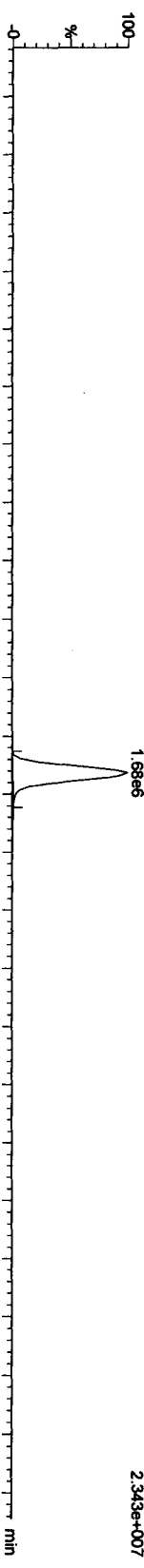


20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F

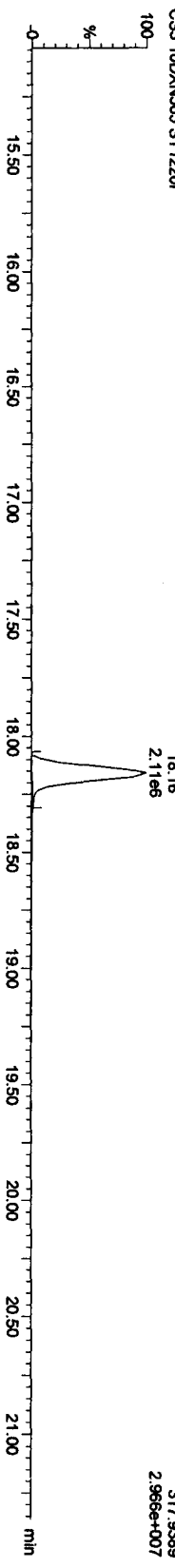


13C-TCDF

20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F



20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F



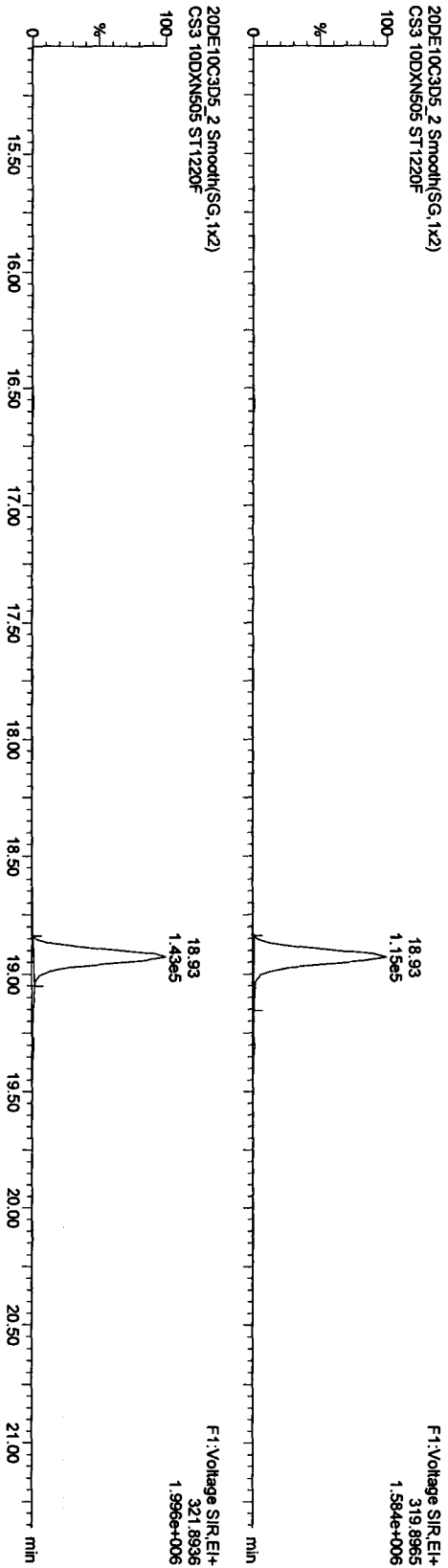
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROV\20DE10C3D5T09F.qld

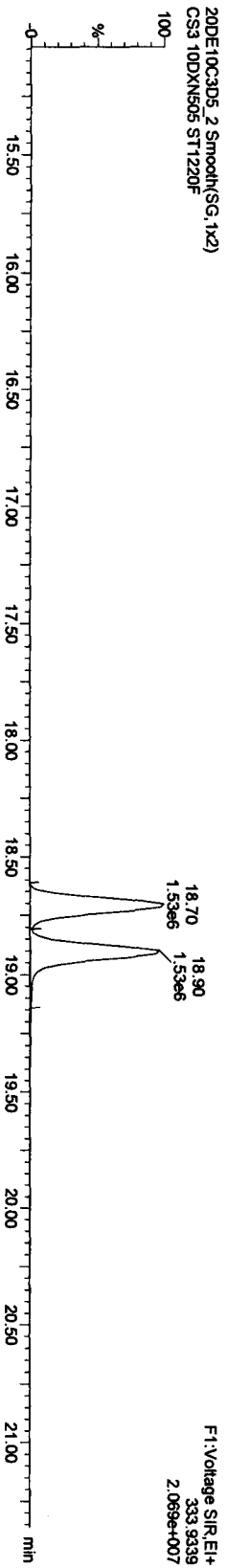
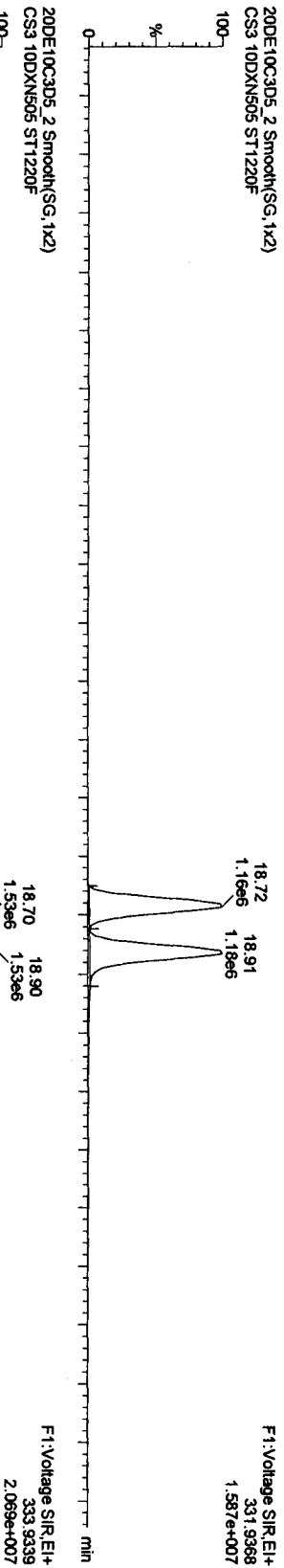
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXNS05

TCDDs



13C-TCDDs

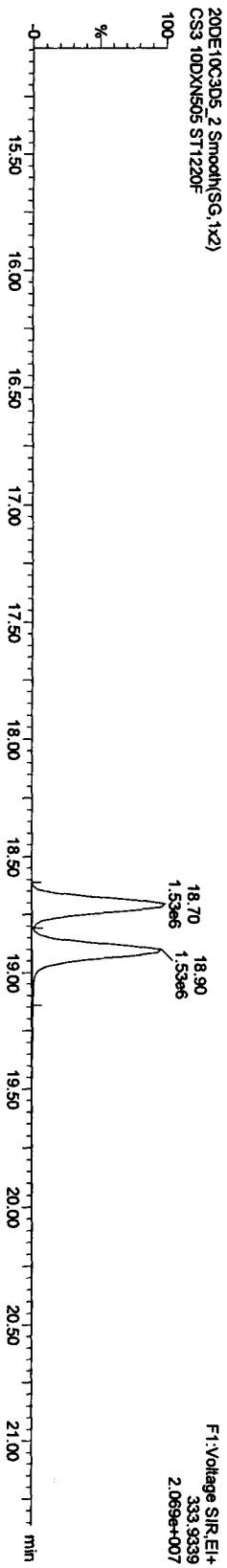


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505



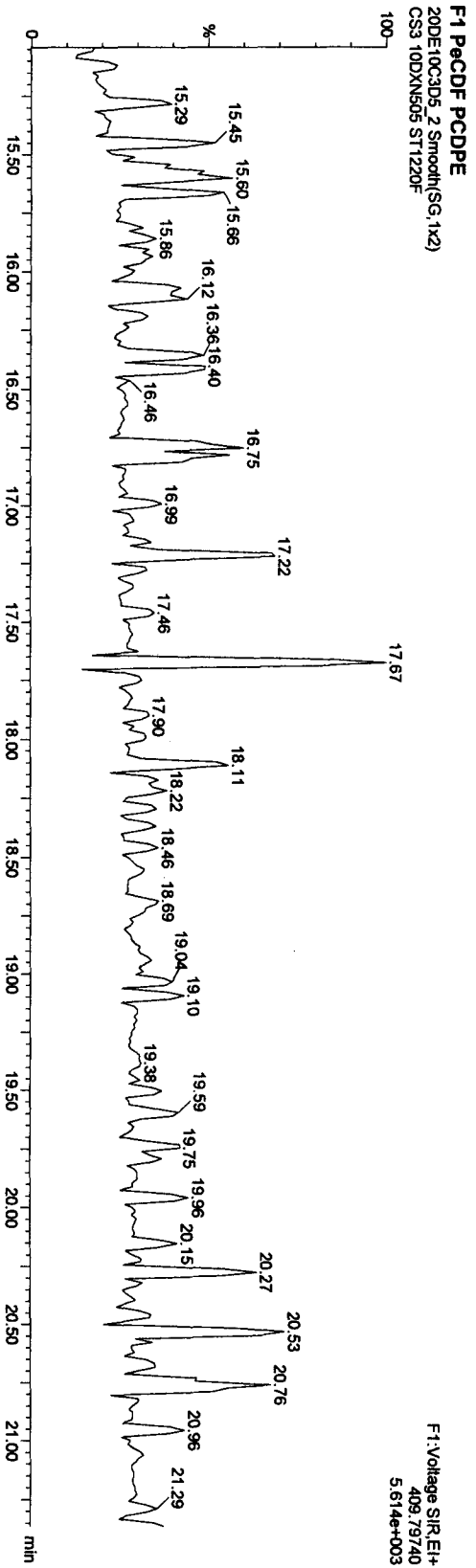
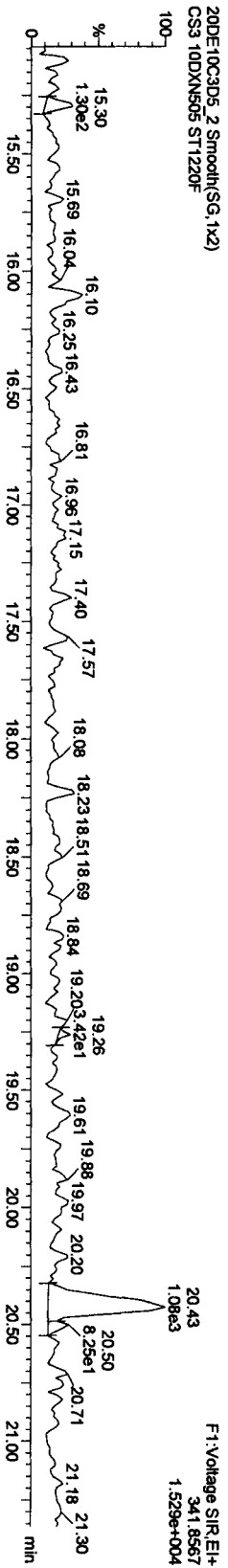
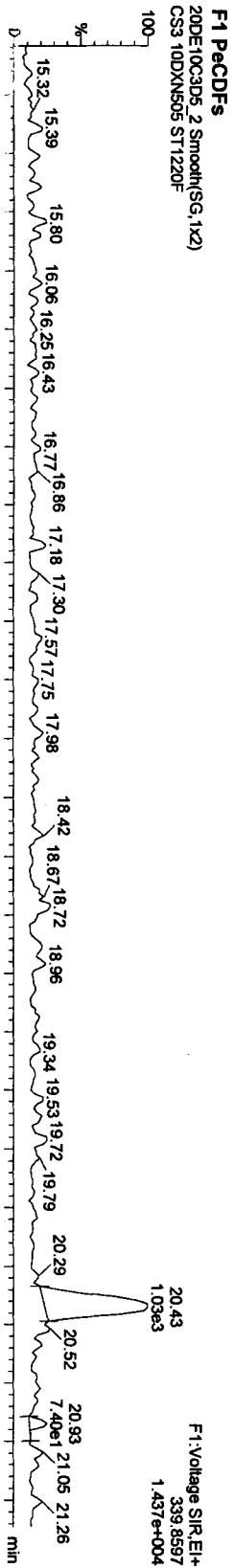
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\VAN2010\PROV20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505



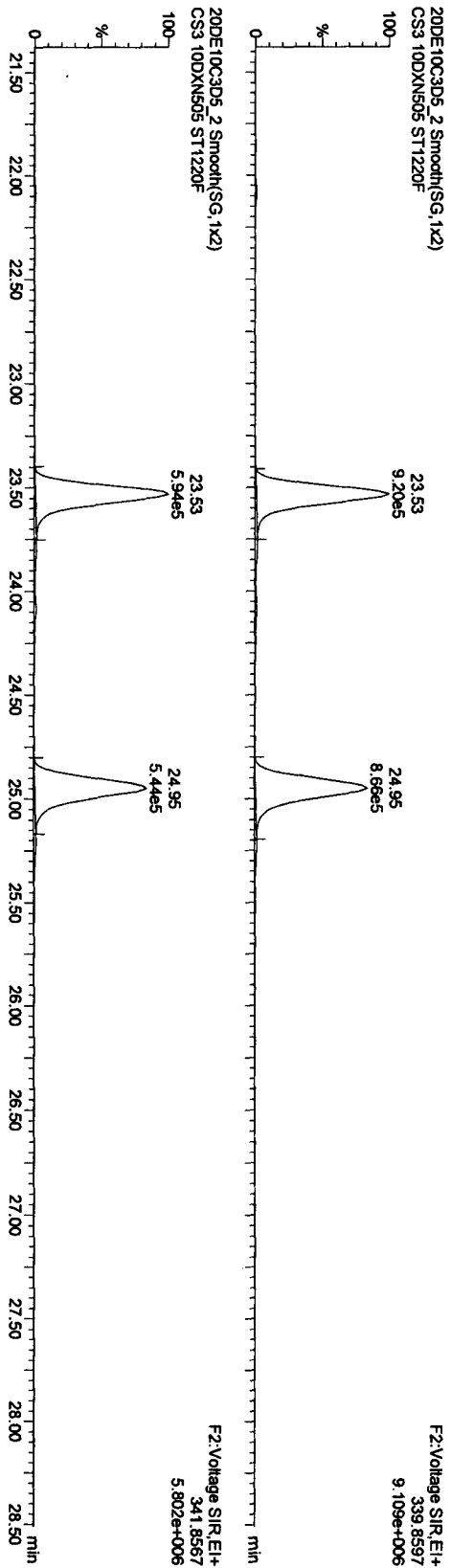
Quantity Sample Report Masslynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\20DE10C3D5T09F.qld

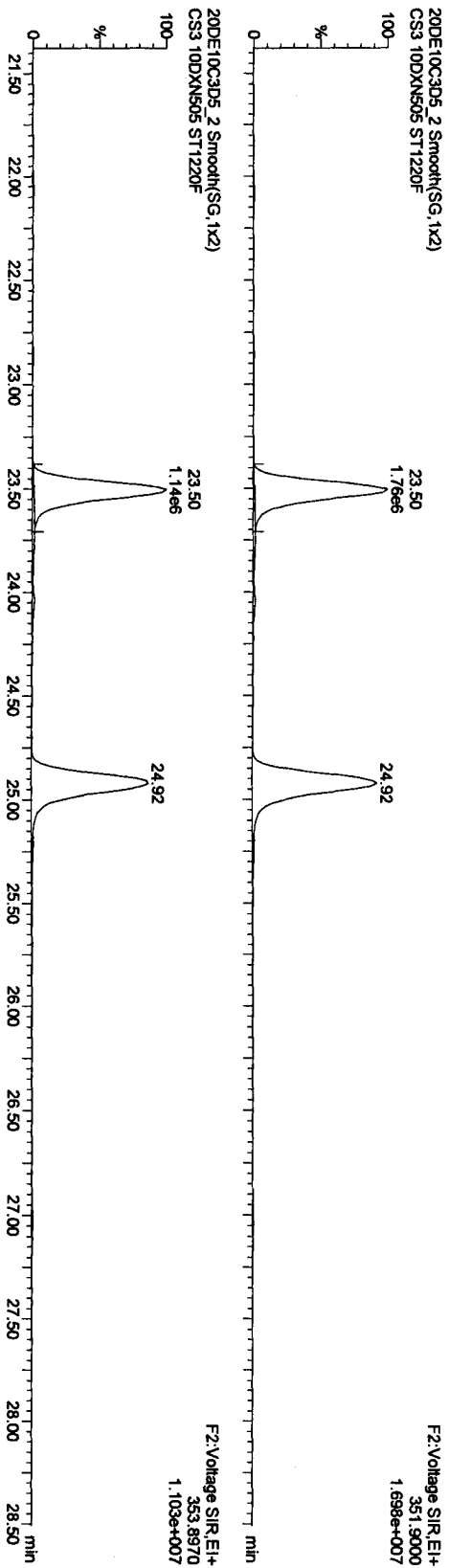
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

PecDFs



13C-PecDFs



Quantity Sample Report Masslynx 4.1

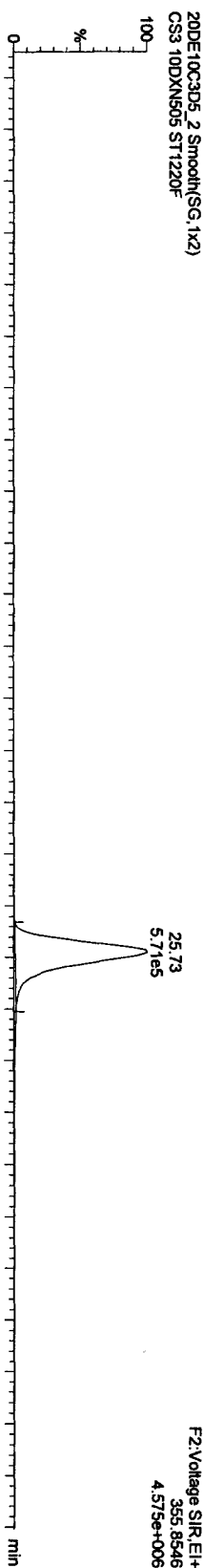
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Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

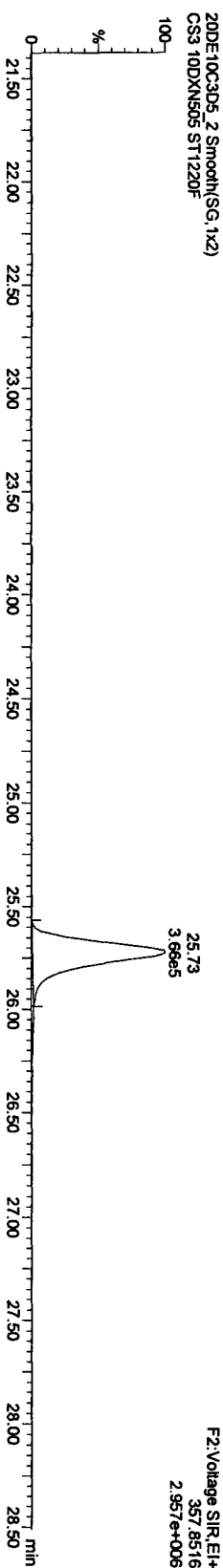
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PeCDDs

20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F

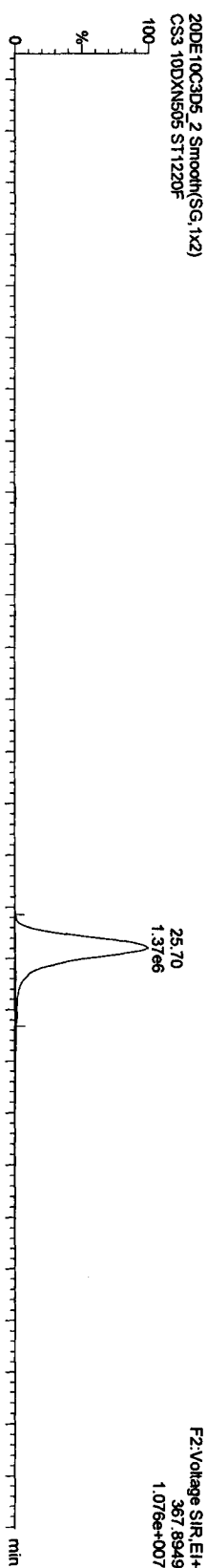


20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F

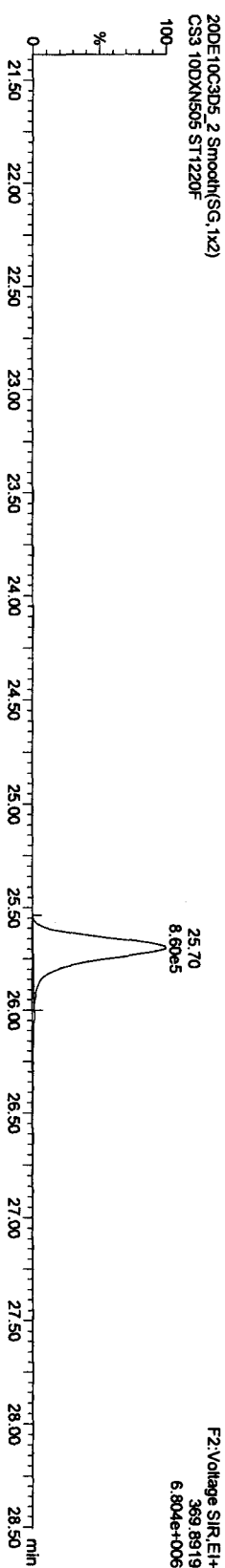


13C-PeCDD

20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F



20DE10C3D5_2 Smooth(SG,1x2)
CS3 10DXN505 ST1220F



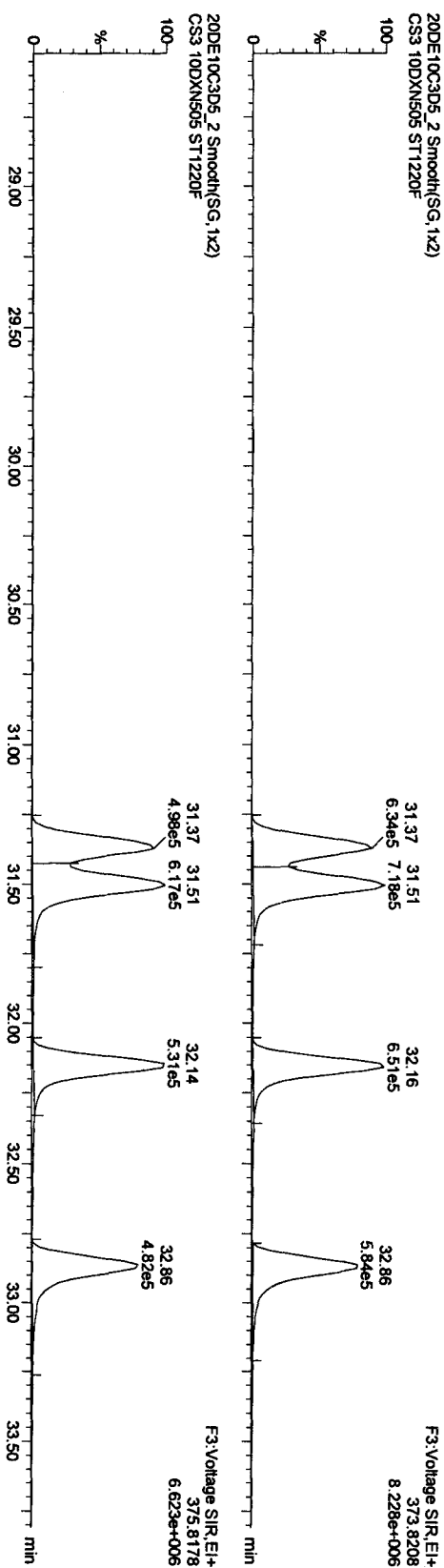
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

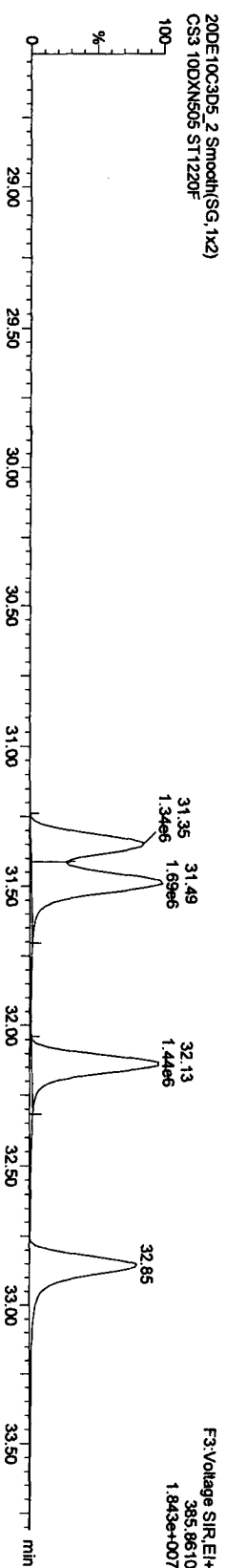
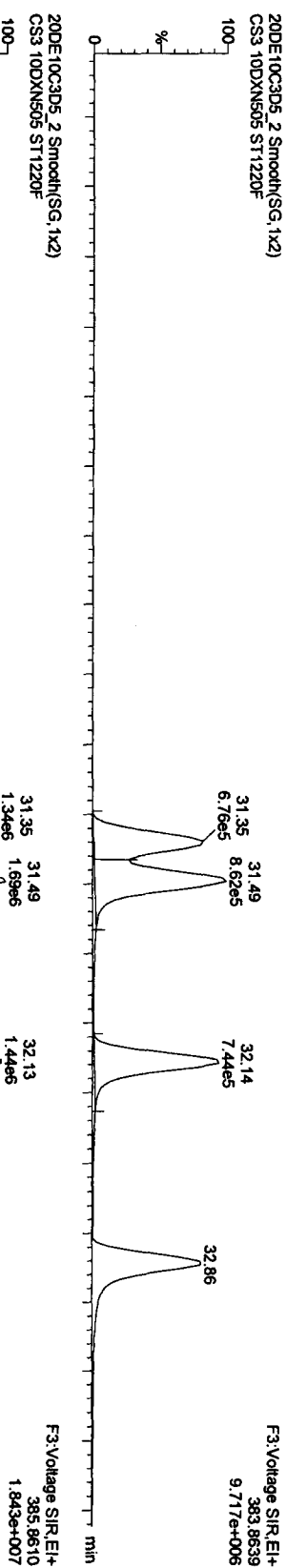
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXNS05

HxCDFs



13C-HxCDFs



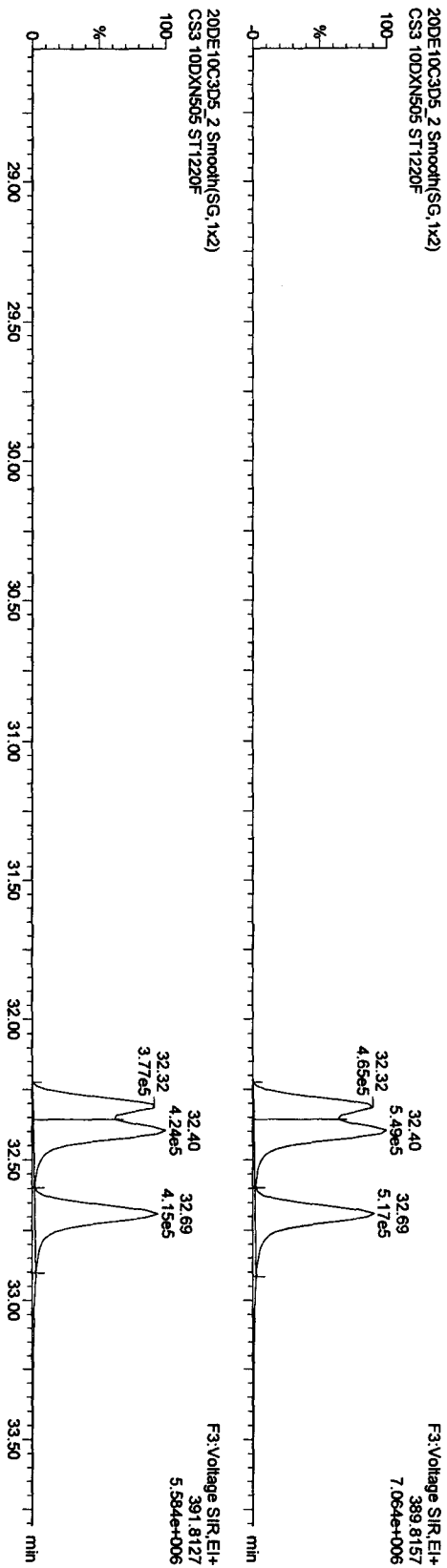
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROV20DE10C3D5TO9F.qld

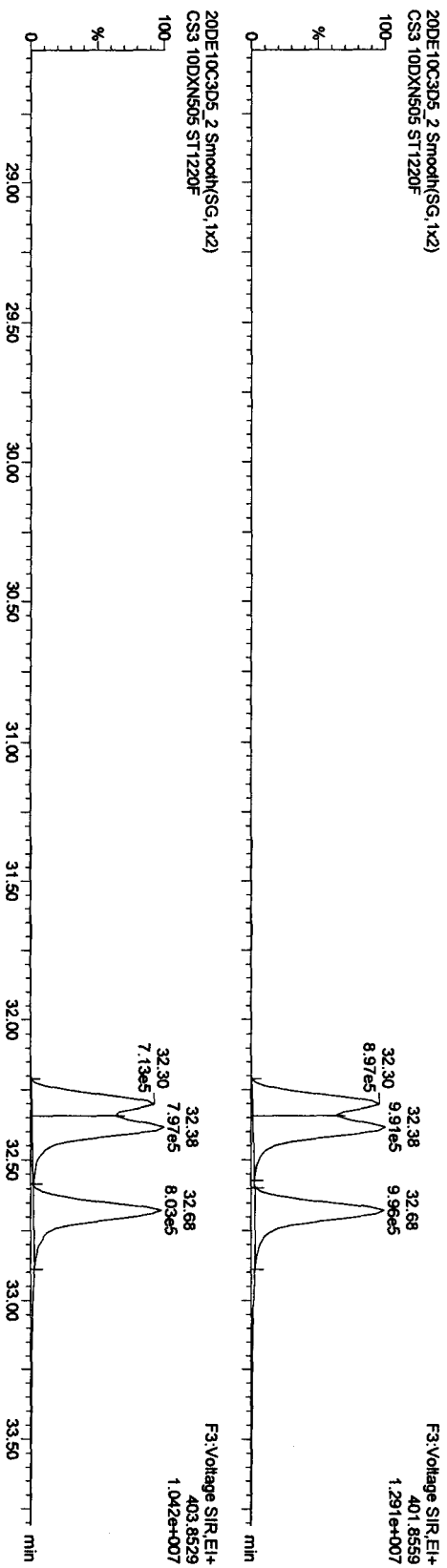
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

HxCDDs



13C-HxCDDs



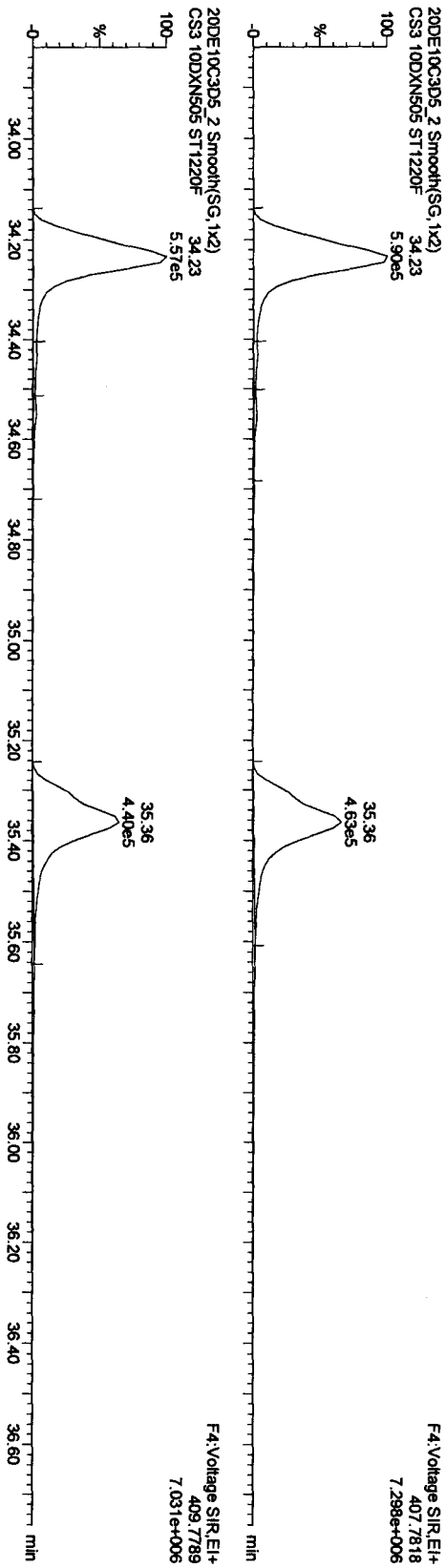
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ20DE10C3D5\T09F.qld

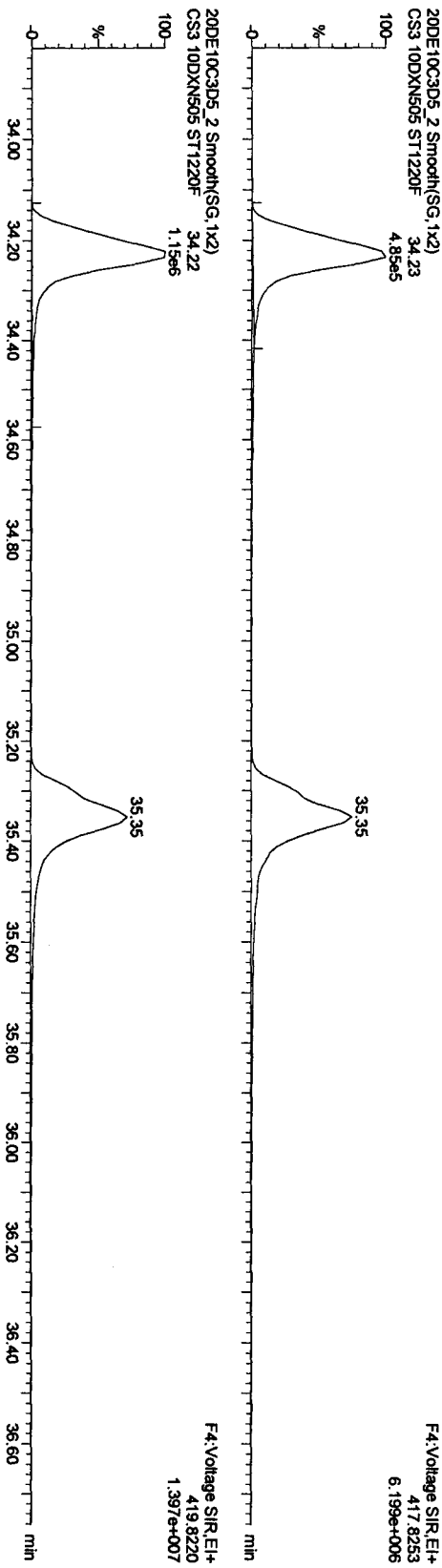
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

HPCDFs



13C-HPCDFs



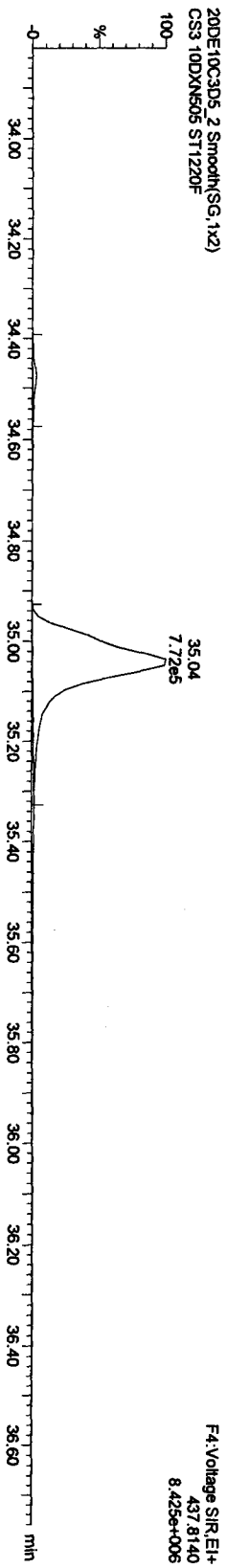
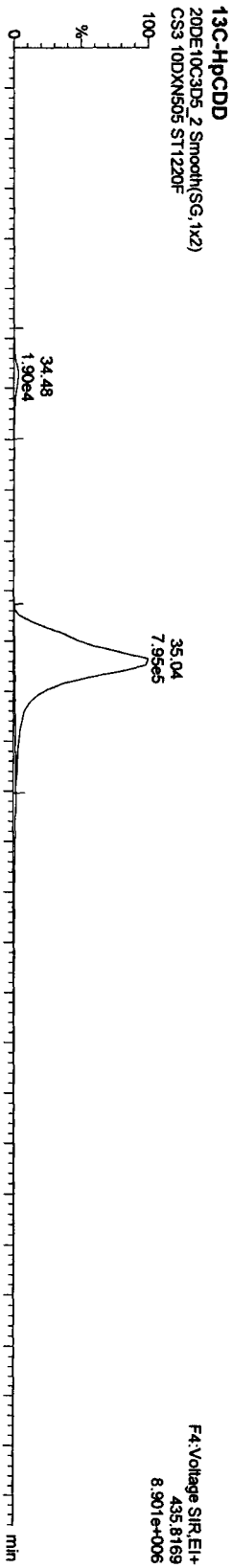
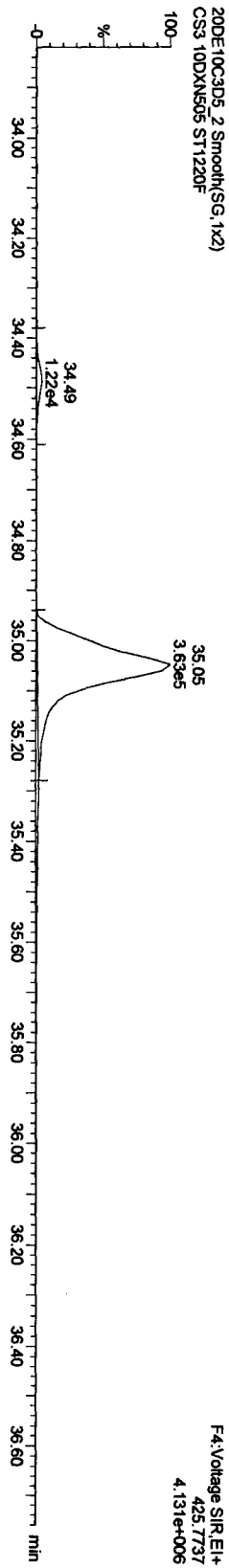
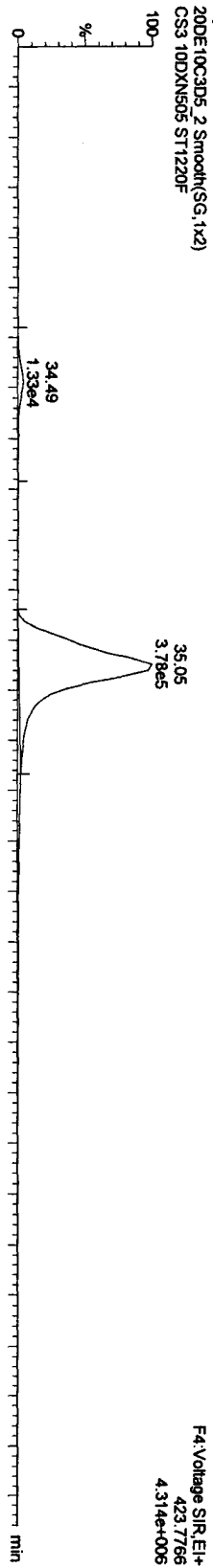
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST11220F, Description: CSS3 10DXN505

HPCDDs



Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\JAN2010\PROV20DE10C3D5TOF.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

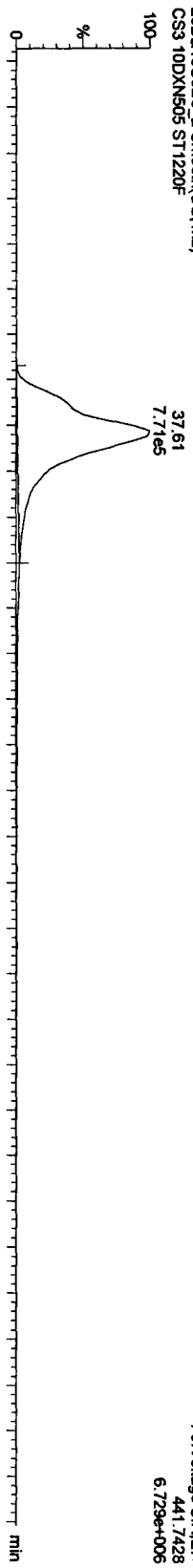
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

OCDFs

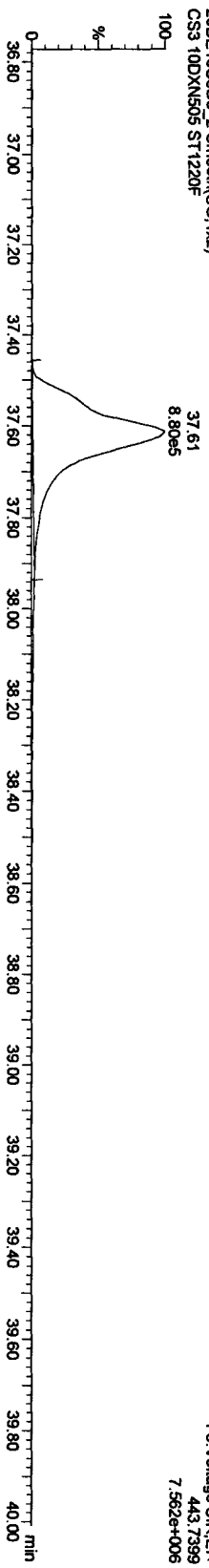
20DE10C3D5_2 Smooth(SG,1x2)

CS3 10DXN505 ST1220F



20DE10C3D5_2 Smooth(SG,1x2)

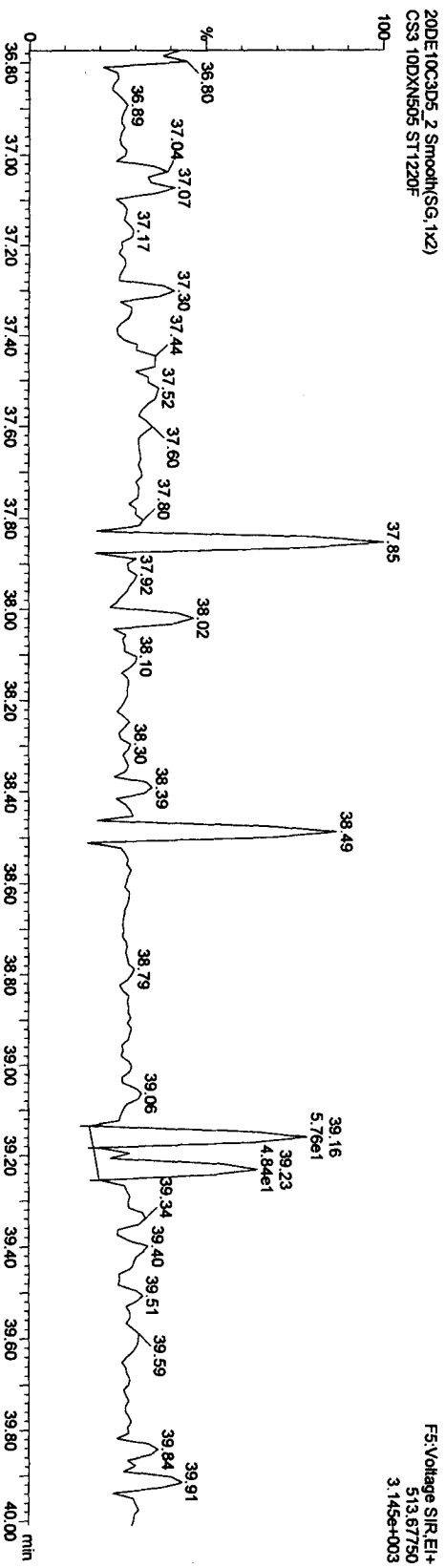
CS3 10DXN505 ST1220F



OCDF PCDPE

20DE10C3D5_2 Smooth(SG,1x2)

CS3 10DXN505 ST1220F



F5: Voltage SIR.EI+

513.67750

3.145e+003

F5: Voltage SIR.EI+

443.7399

7.562e+006

F5: Voltage SIR.EI+

441.7428

6.729e+006

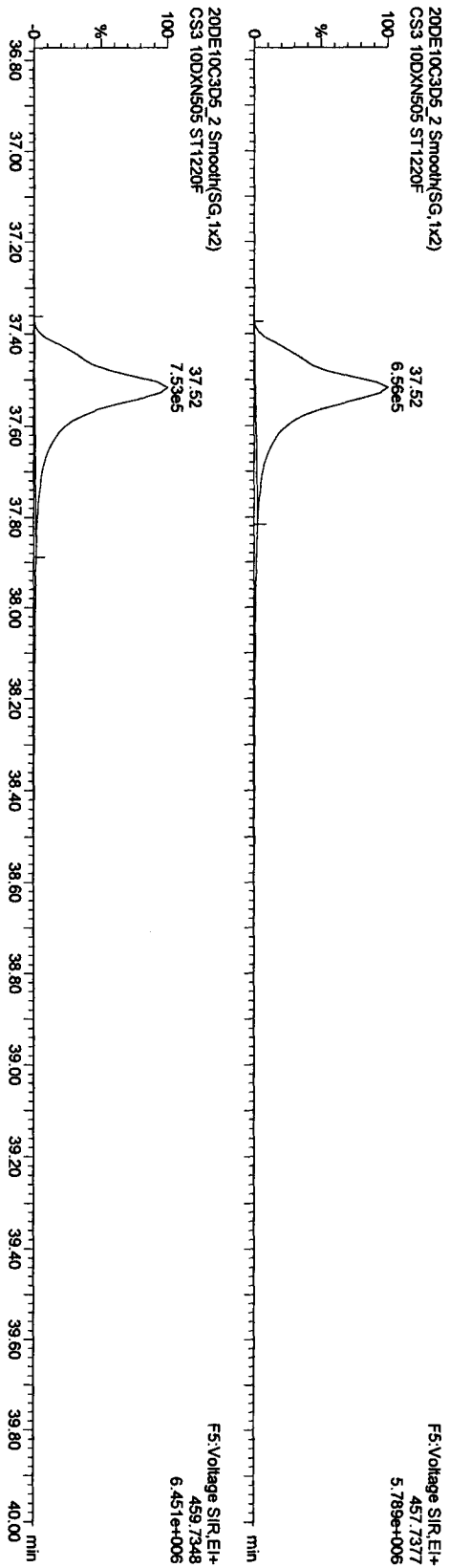
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UNAN2010\PROV20DE10C3AD5T09F.qld

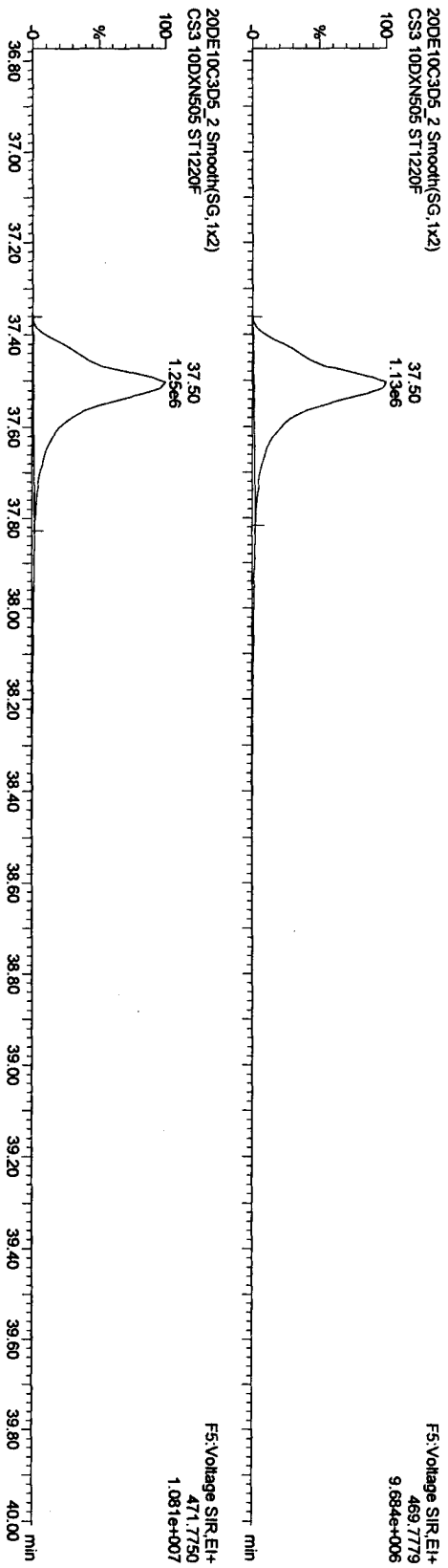
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3AD5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXNS05

OCCDD



13C-OCCDD



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROV\20DE10C3D5T09F.qld

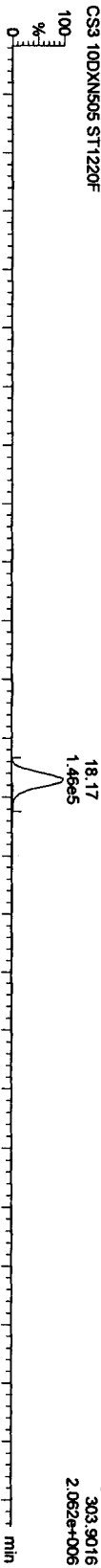
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXNS05

TCDFs

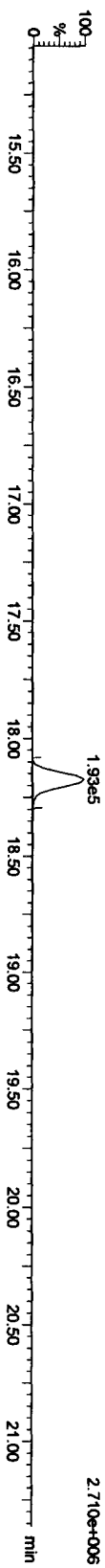
20DE10C3D5_2 Smooth(SG, 1x2)

CS3 10DXNS05 ST1220F



20DE10C3D5_2 Smooth(SG, 1x2)

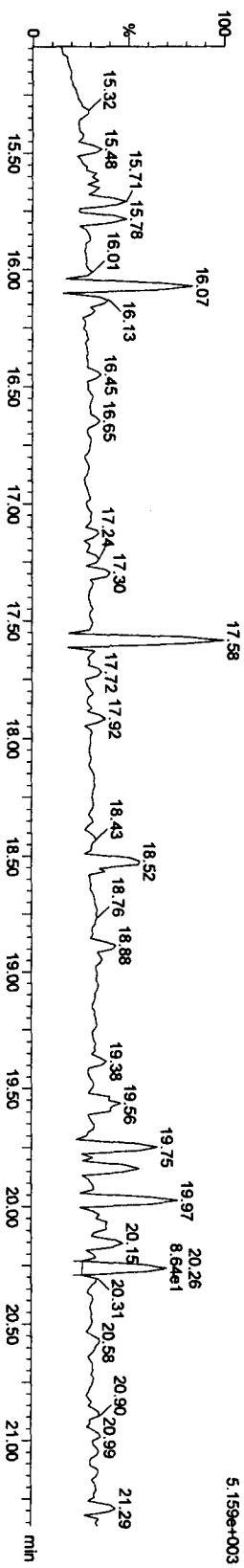
CS3 10DXNS05 ST1220F



TCDF PCDFE

20DE10C3D5_2 Smooth(SG, 1x2)

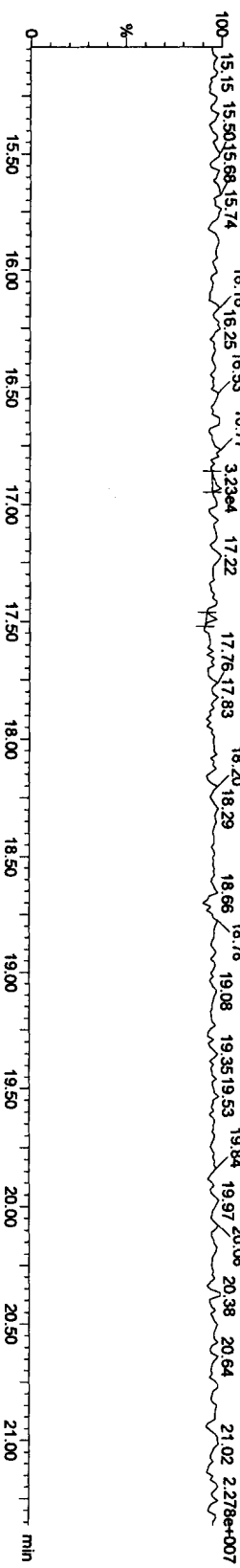
CS3 10DXNS05 ST1220F



Function 1 PFK

20DE10C3D5_2 Smooth(SG, 1x2)

CS3 10DXNS05 ST1220F

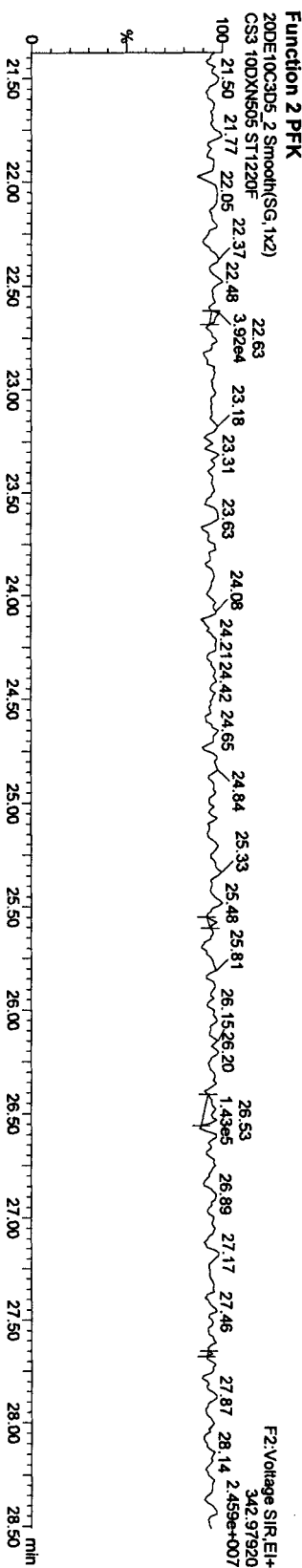
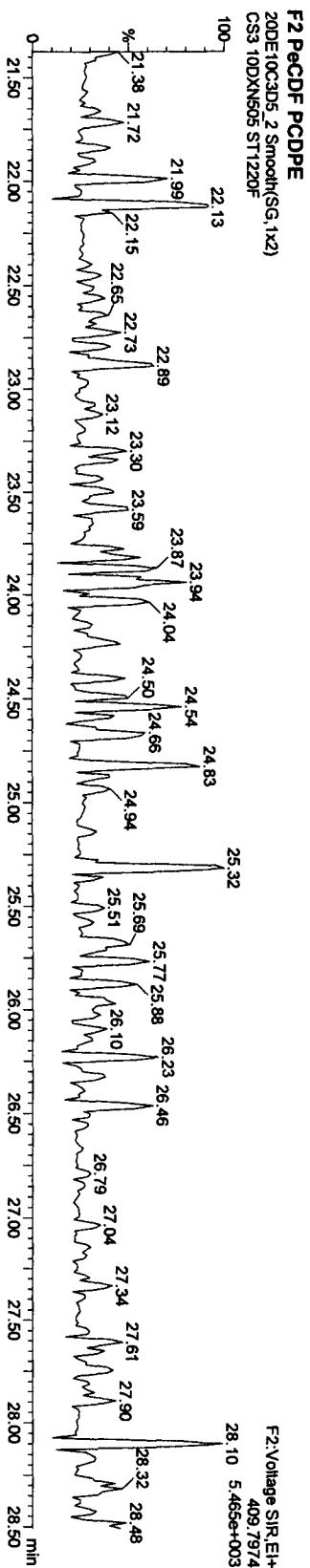
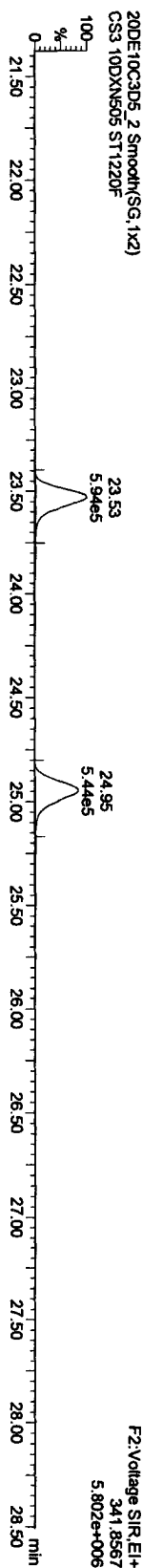
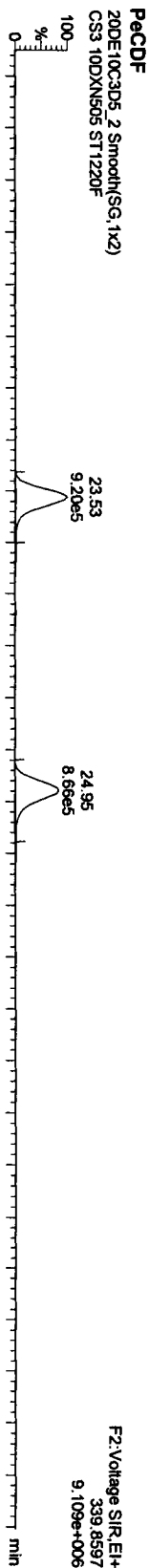


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROV\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505



Quantity Sample Report MassLynx 4.1

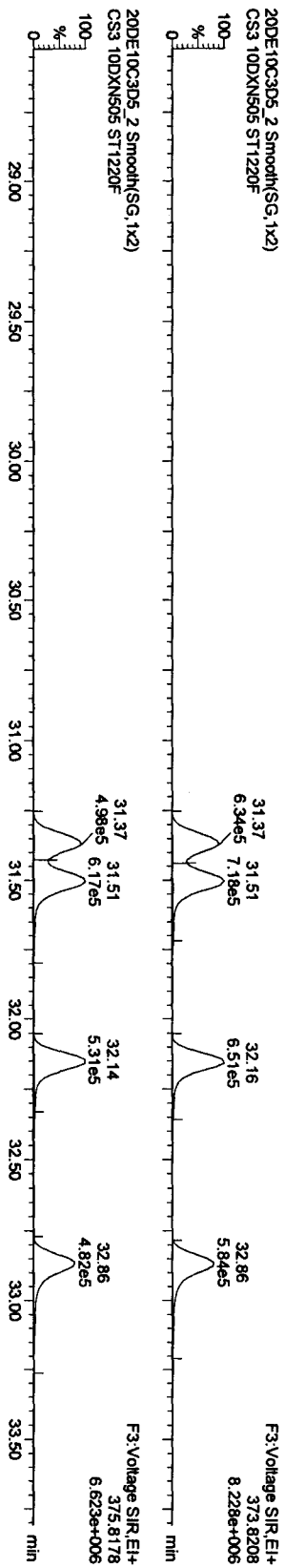
Dataset: C:\MassLynx\JAN2010\PROJ20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXN505

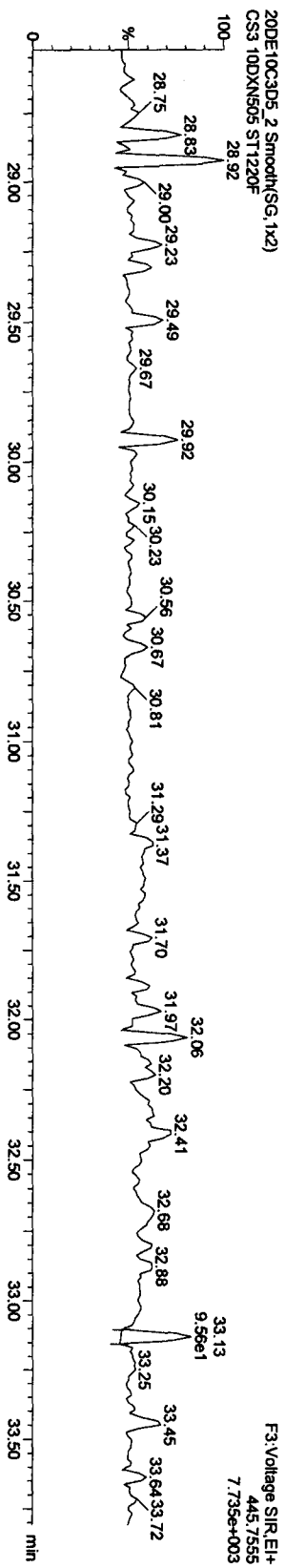
HxCDFs

20DE10C3D5_2 Smooth(SG, 1x2)
 CS3 10DXN505 ST1220F



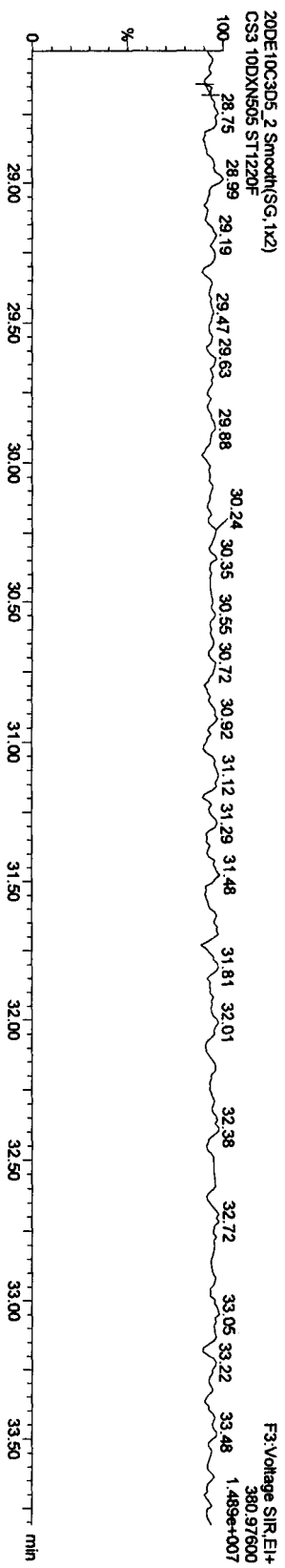
HxCDF PCDFE

20DE10C3D5_2 Smooth(SG, 1x2)
 CS3 10DXN505 ST1220F



Function 3 PFK

20DE10C3D5_2 Smooth(SG, 1x2)
 CS3 10DXN505 ST1220F

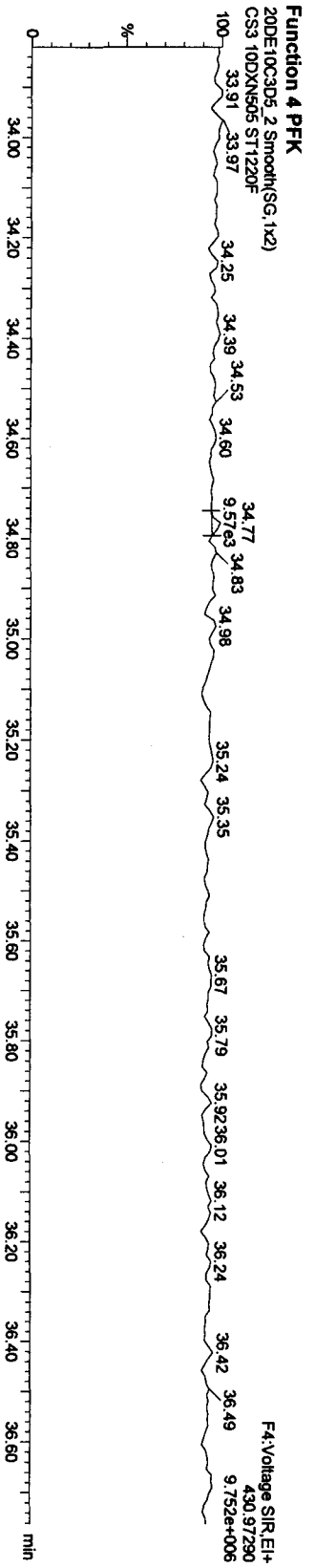
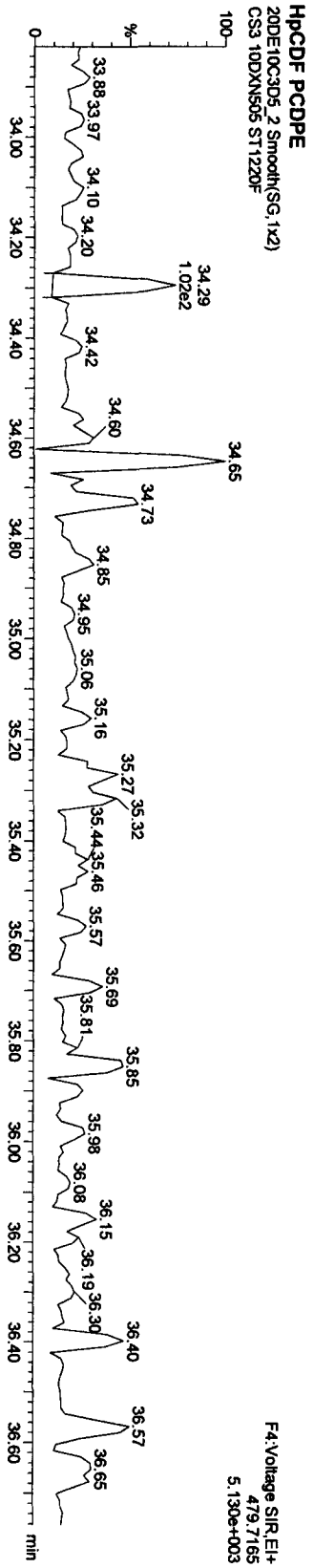
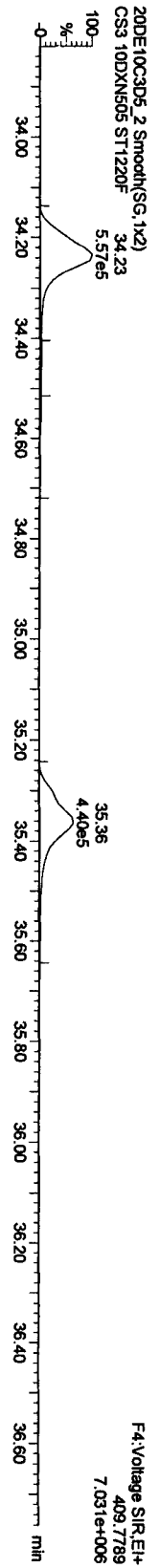
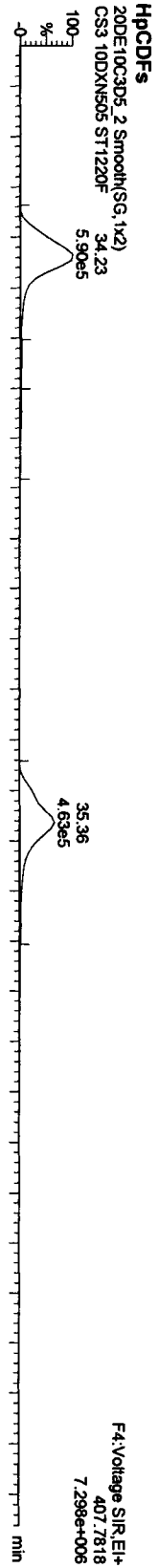


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UAN2010\PROV\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXNS05



Quantity Sample Report MassLynx 4.1

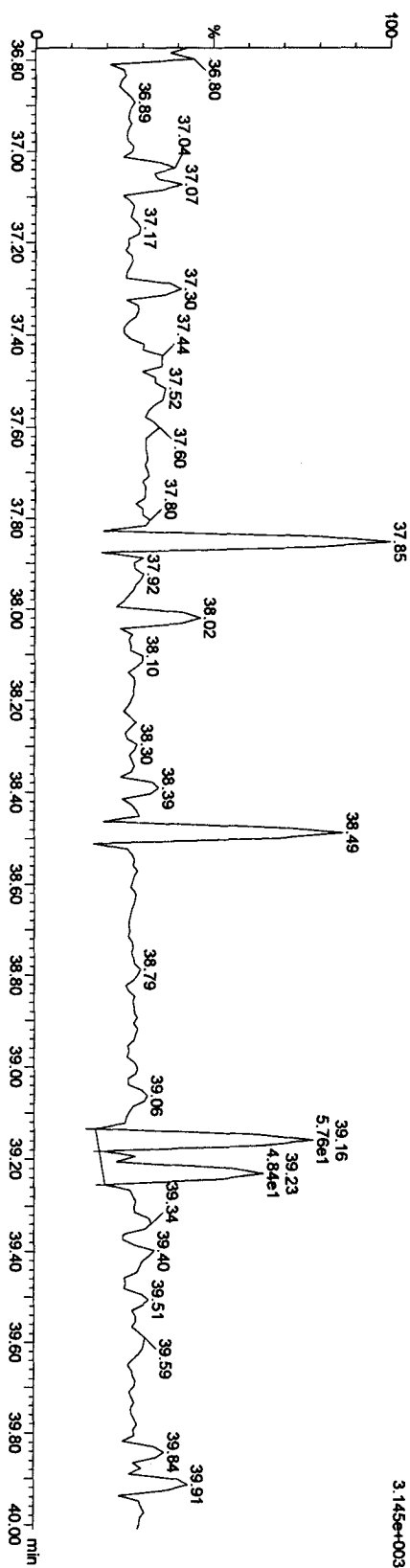
Dataset: C:\MassLynx\LAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_2, Date: 20-Dec-2010, Time: 18:19:57, ID: ST1220F, Description: CS3 10DXNS05

QCDF PCDFE

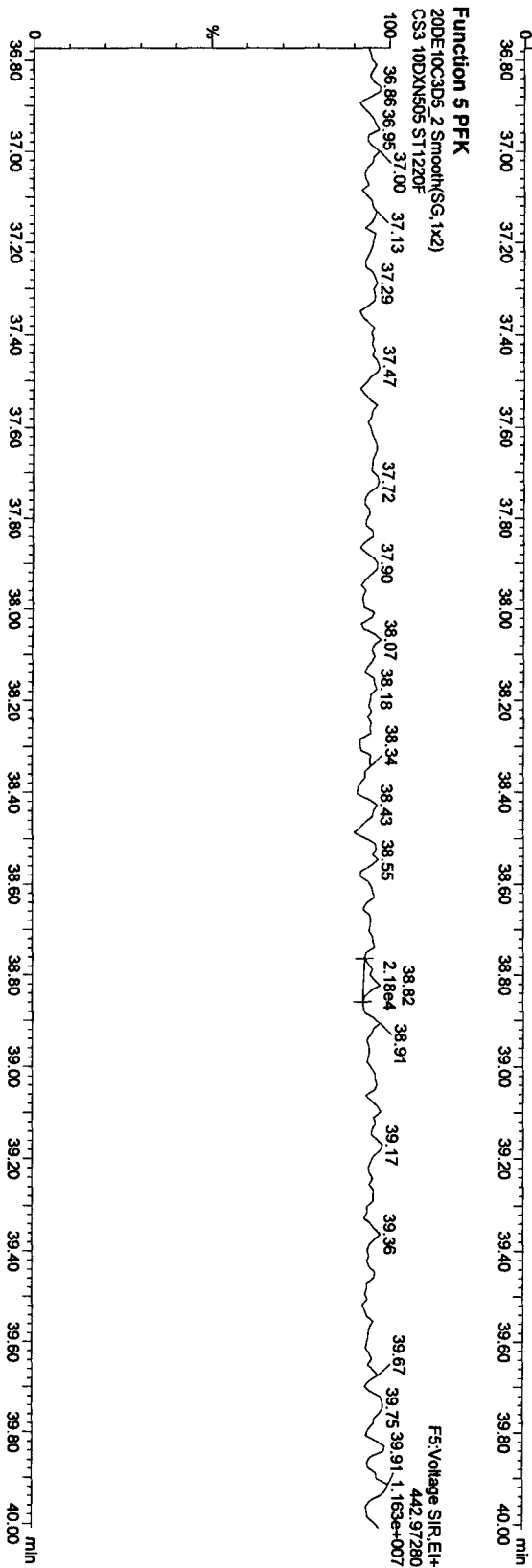
20DE10C3D5_2 Smooth(SG, 1x2)
CS3 10DXNS05 ST1220F



F5:Voltage SIR.EI+
513.67750
3.145e+003

Function 5 PFK

20DE10C3D5_2 Smooth(SG, 1x2)
CS3 10DXNS05 ST1220F



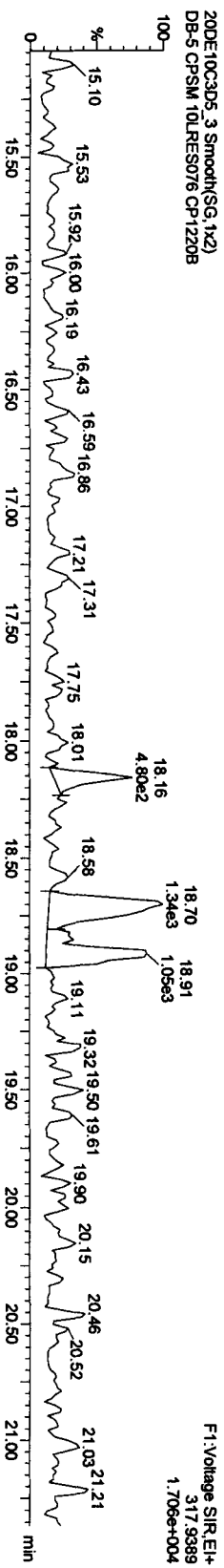
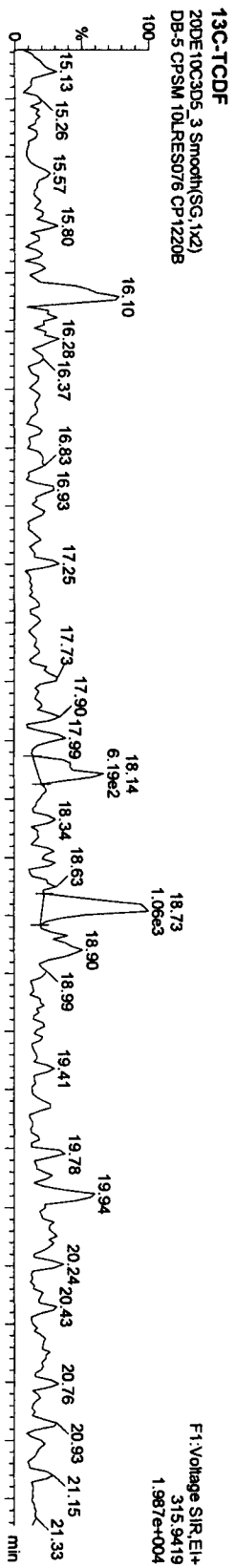
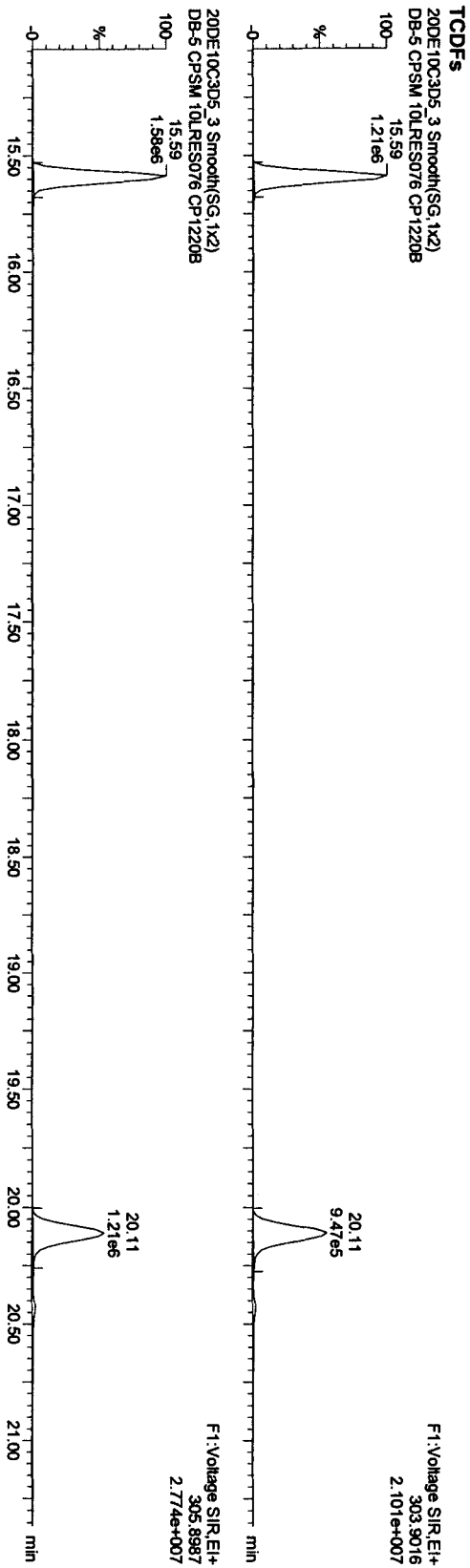
F5:Voltage SIR.EI+
442.97280
1.163e+007

Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\AN2010\PROV\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5-CPSM 10LRES076



Quantify Sample Report Masslynx 4.1

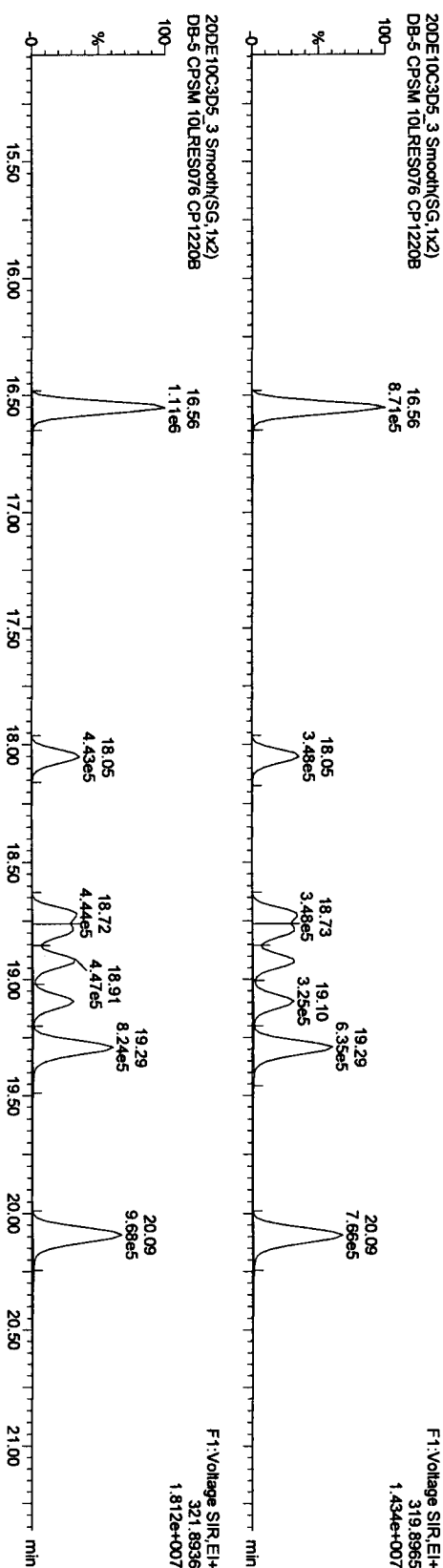
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

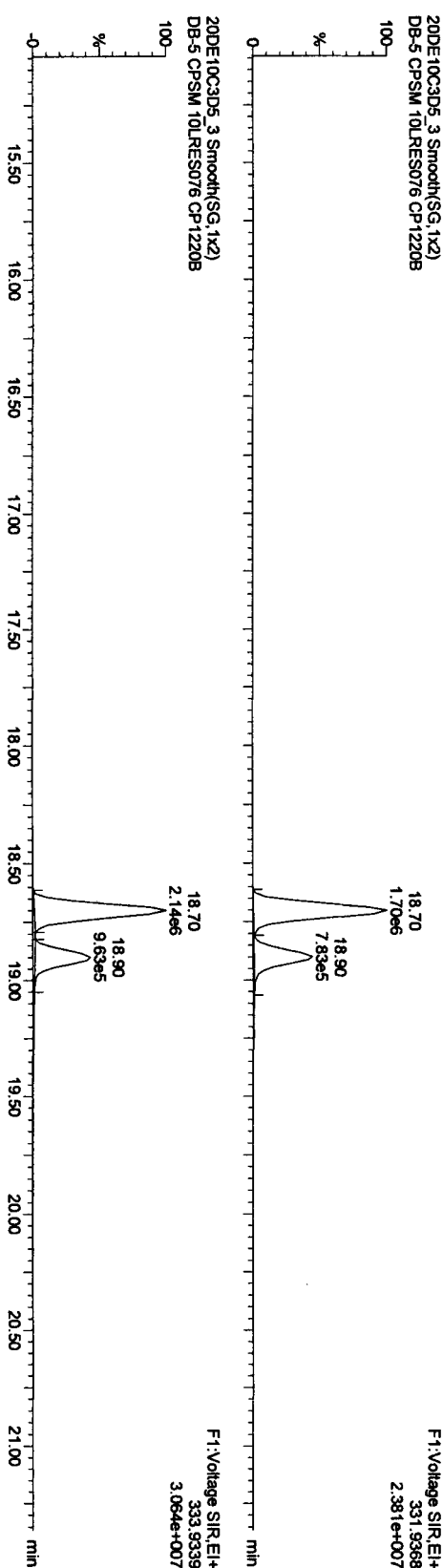
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP12208, Description: DB-5 CPSM 10LRES076

TCDDs



13C-TCDDs



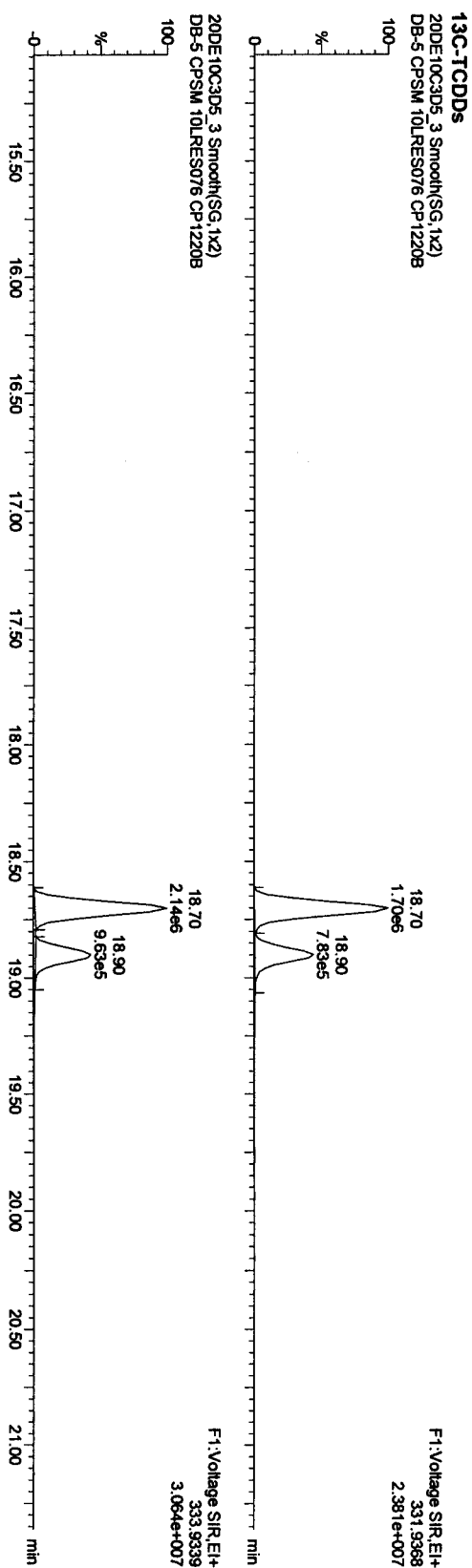
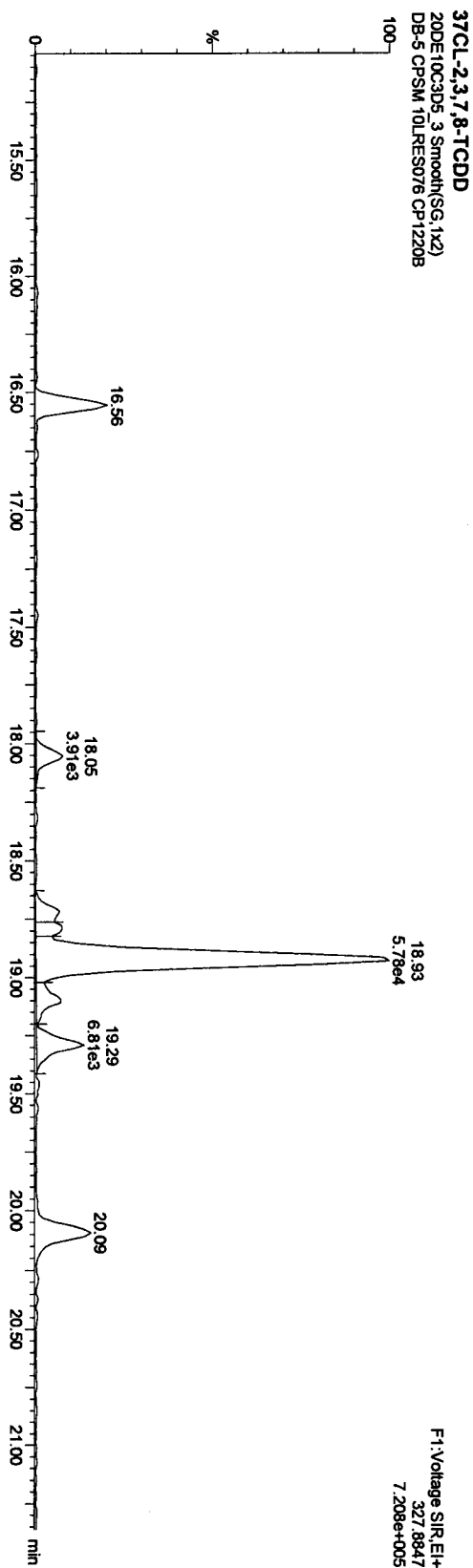
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ20DE10C3D5T09F.qid

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROJ20DE10C3D5T09F.qld

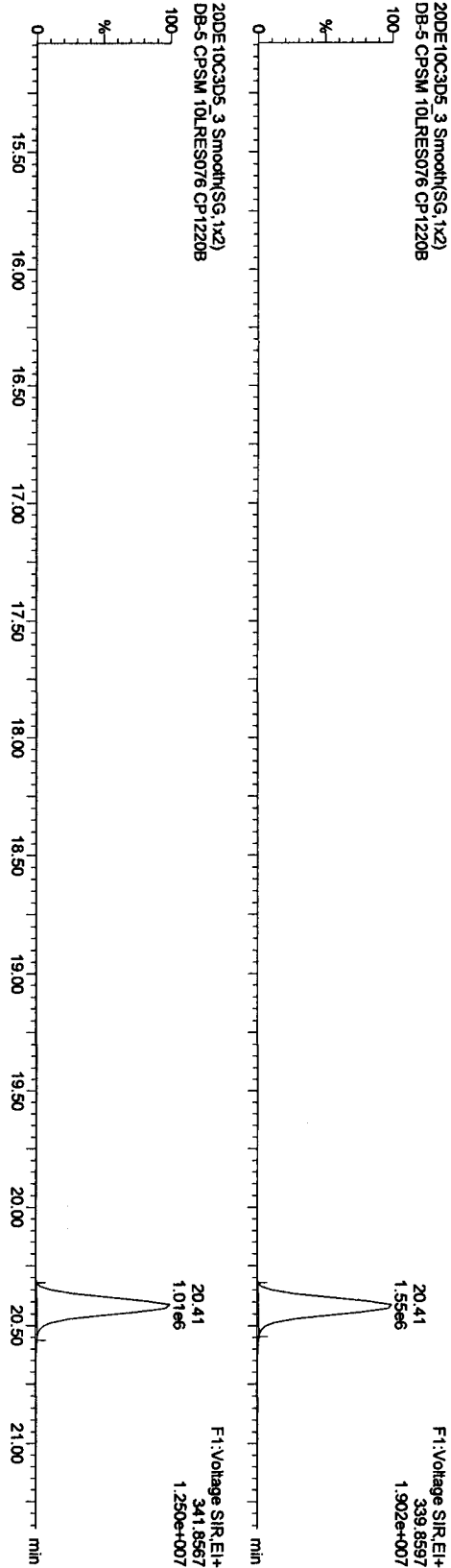
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

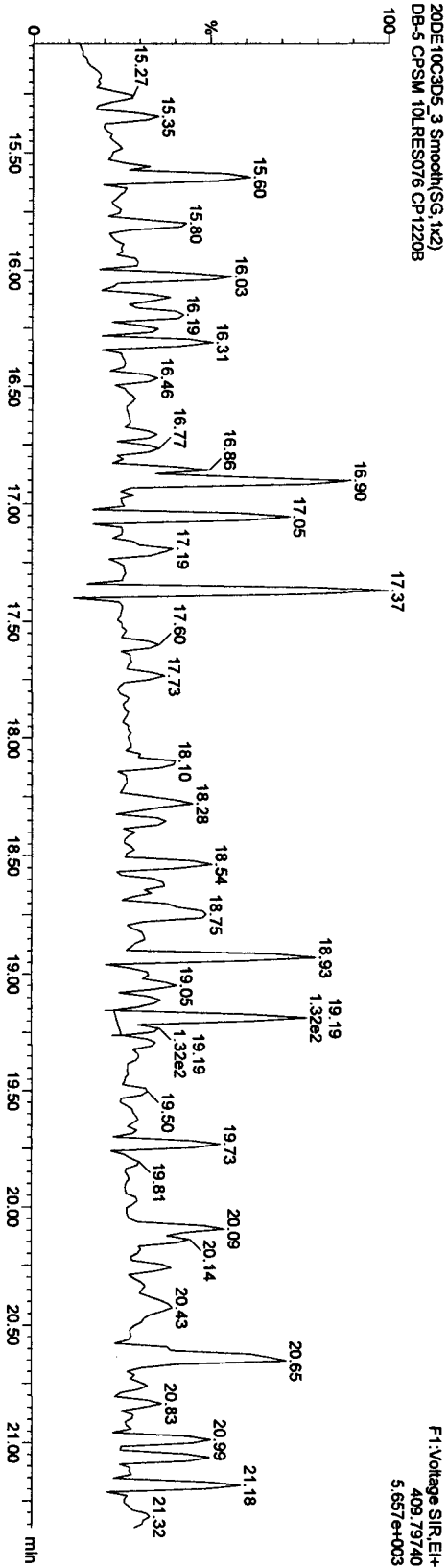
F1 PacDFs

20DE10C3D5_3 Smooth(SG, 1x2)
DB-5 CPSM 10LRES076 CP1220B



F1 PacDF PCDPE

20DE10C3D5_3 Smooth(SG, 1x2)
DB-5 CPSM 10LRES076 CP1220B



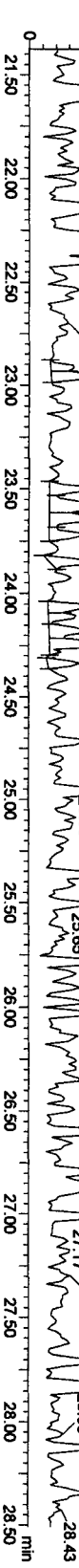
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\AN2010\PROV20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076



Quantity Sample Report MassLynx 4.1

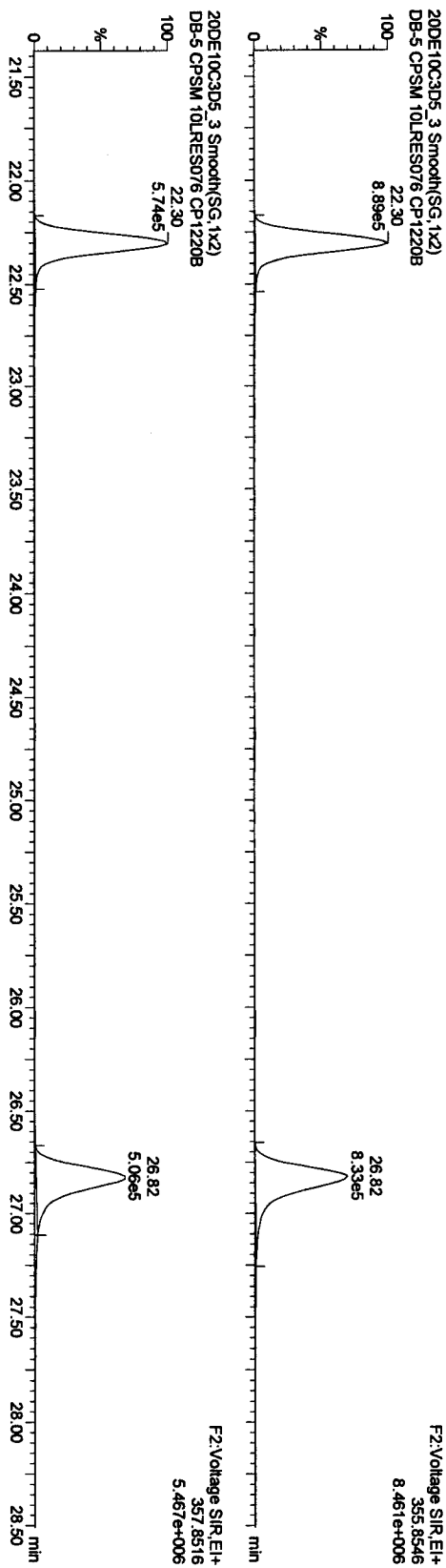
Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

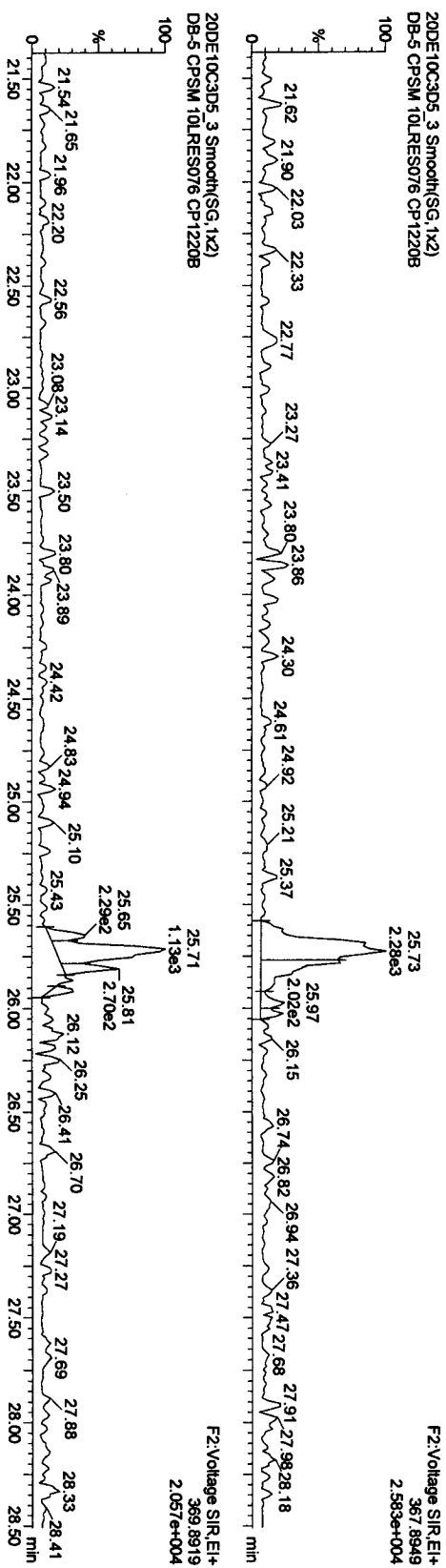
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

PeCDDs



13C-PeCDD

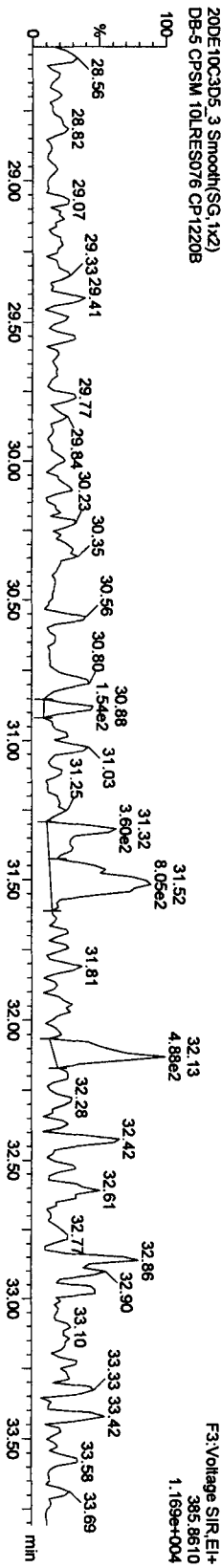
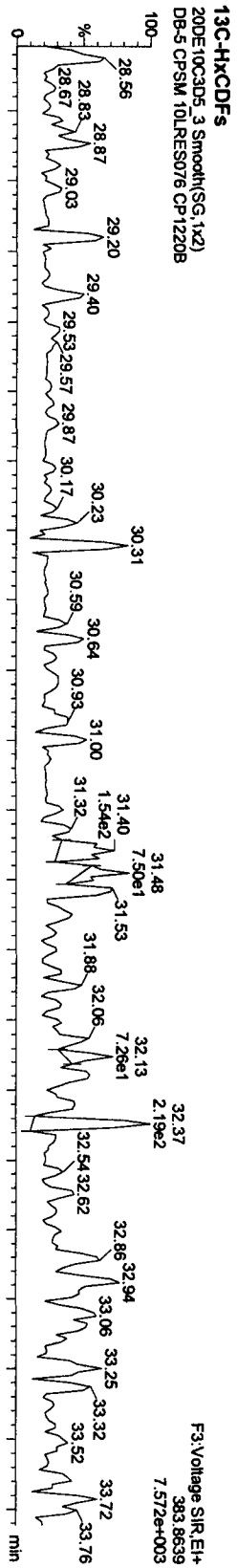
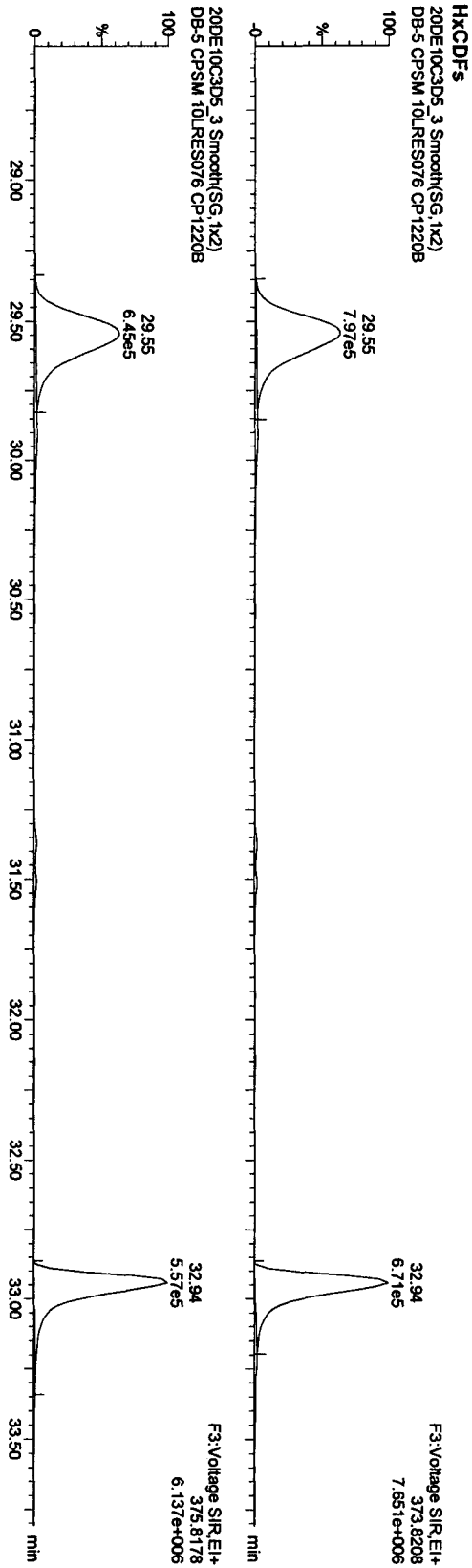


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PROV\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076



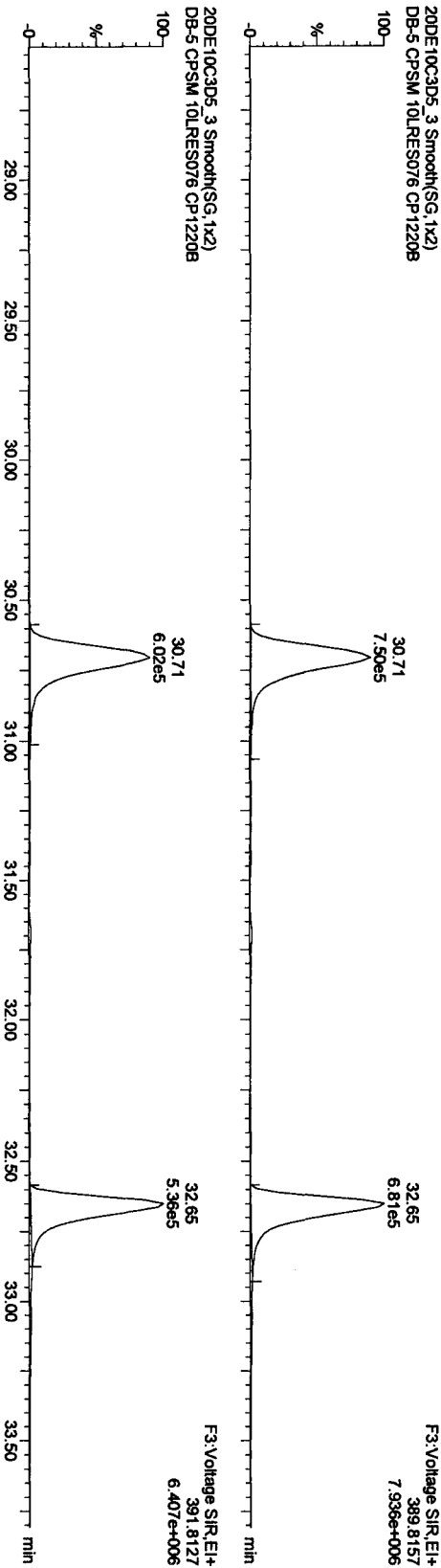
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROJ\20DE10C3D5T09F.qld

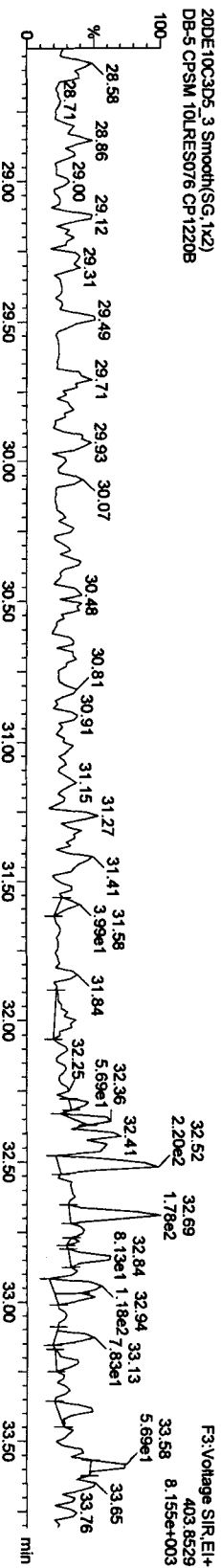
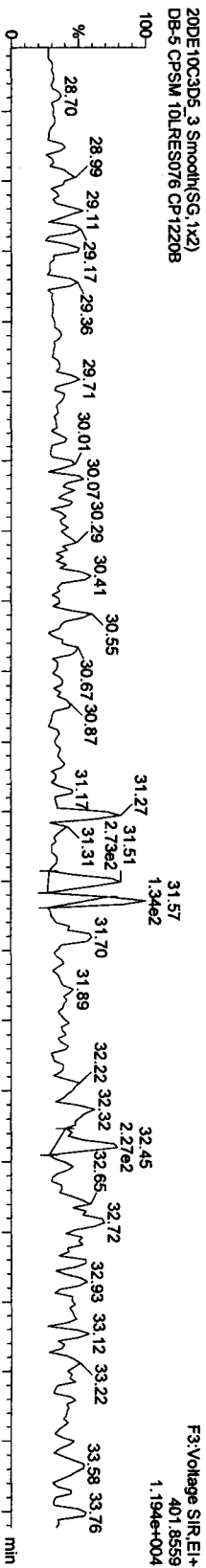
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5-CPSM 10LRES076

HxCDDs



13C-HxCDDs

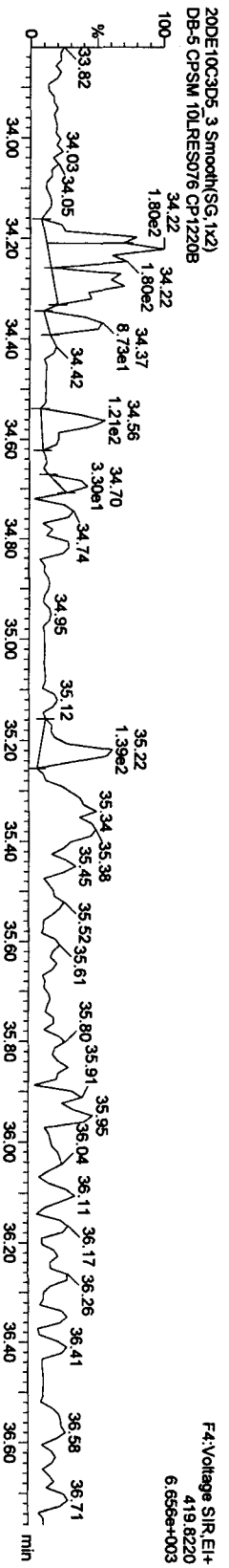
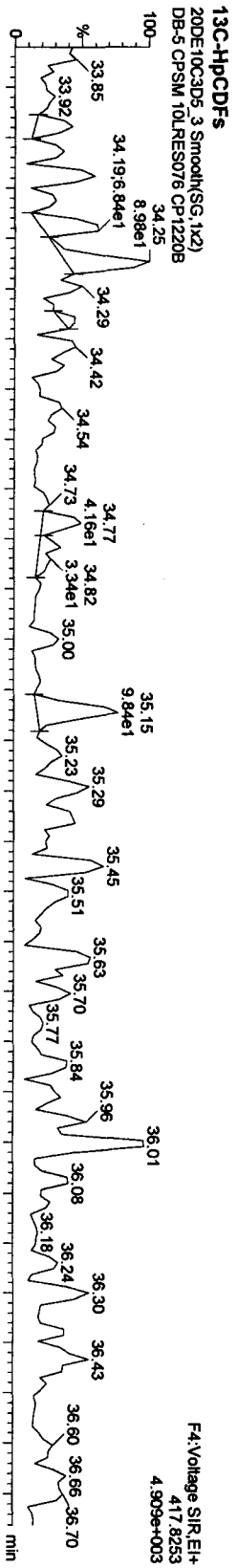
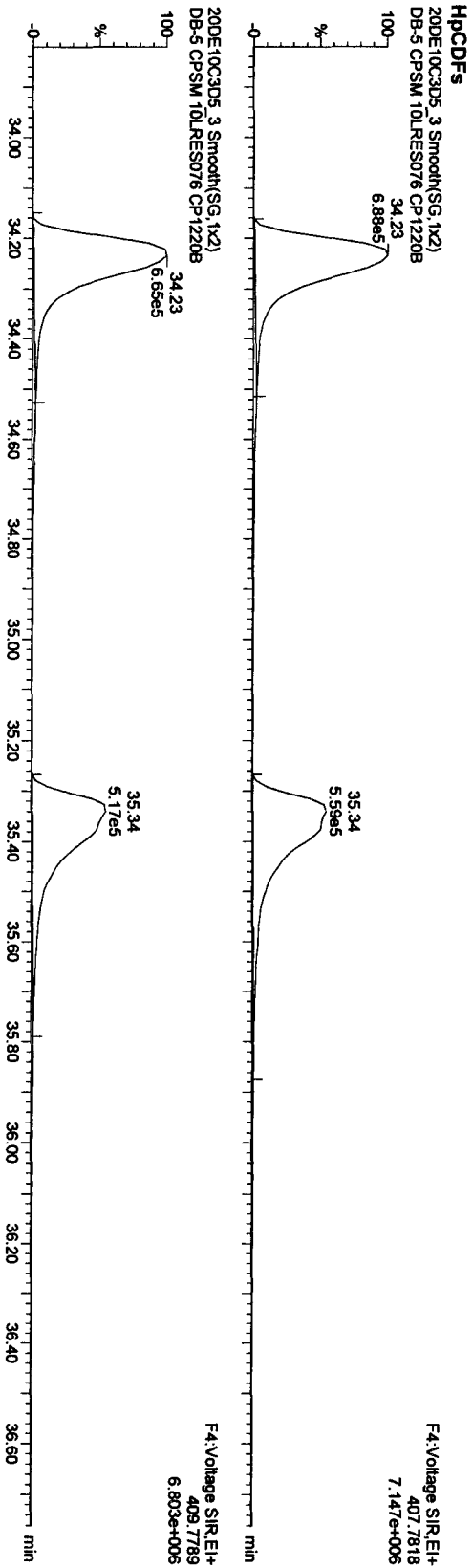


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076



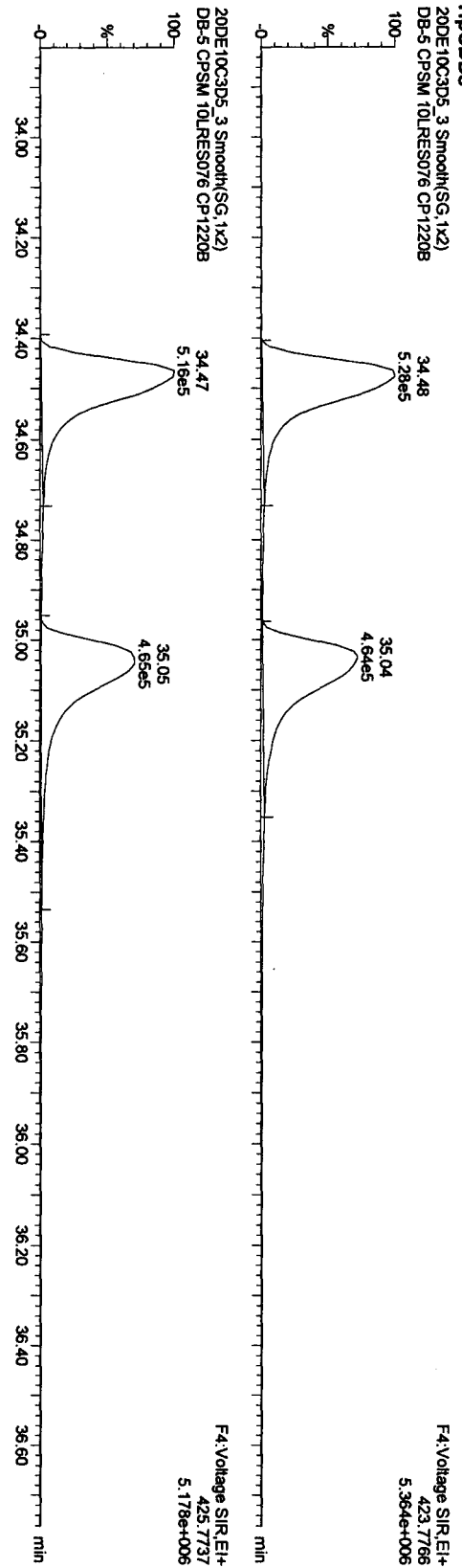
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\UN2010\PROV20DE10C3D5T09F.qld

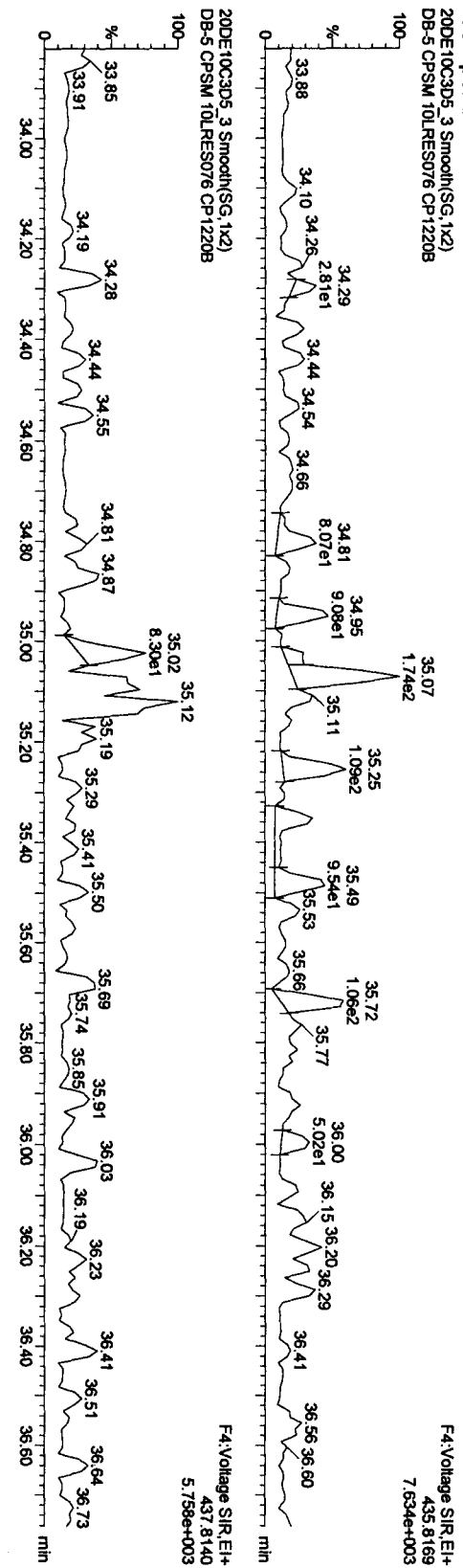
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

HPCDDs



13C-HPCDD



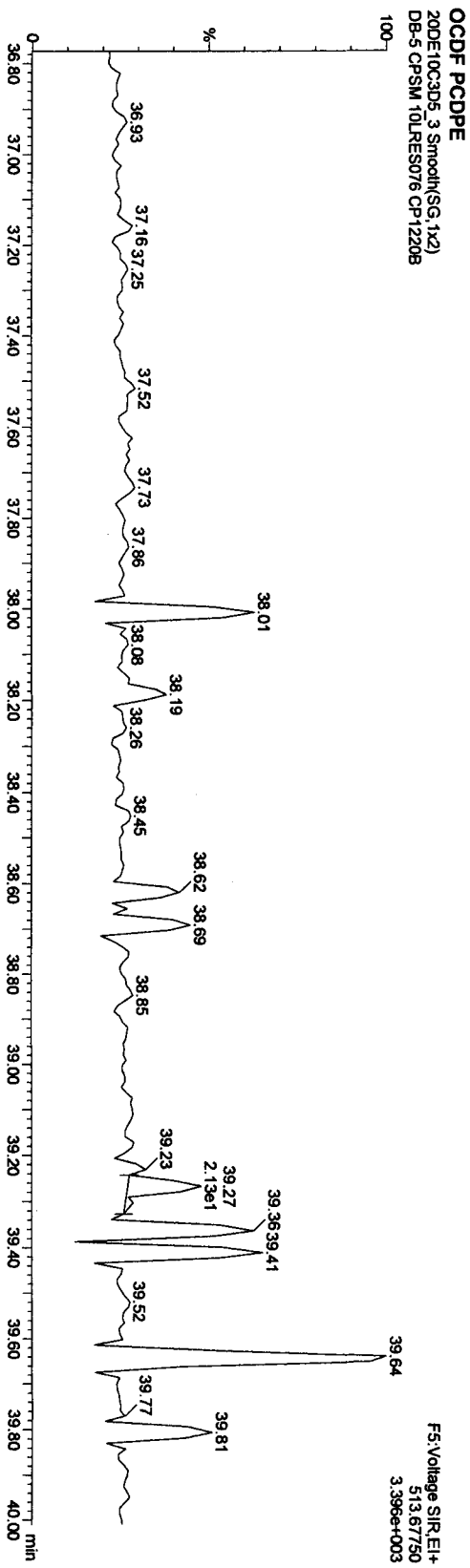
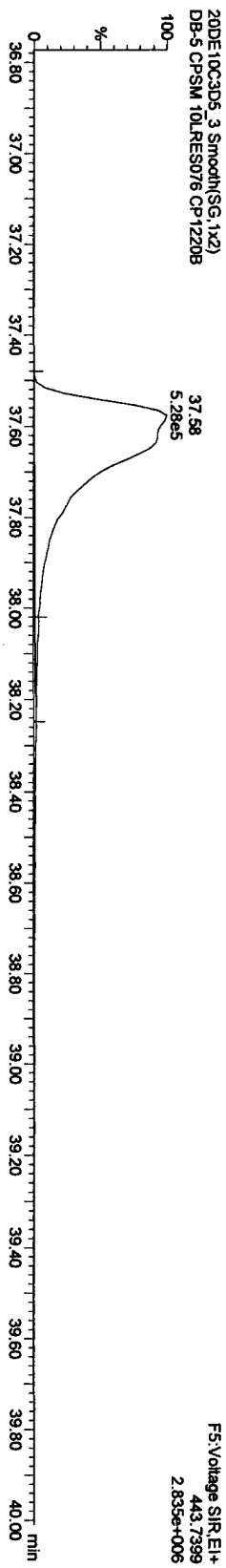
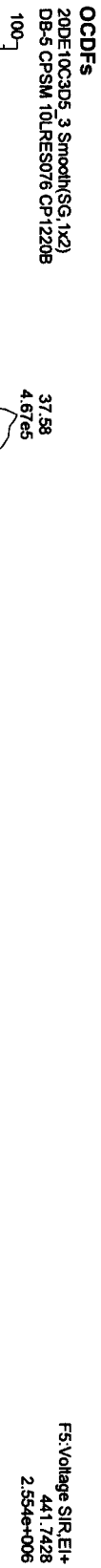
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

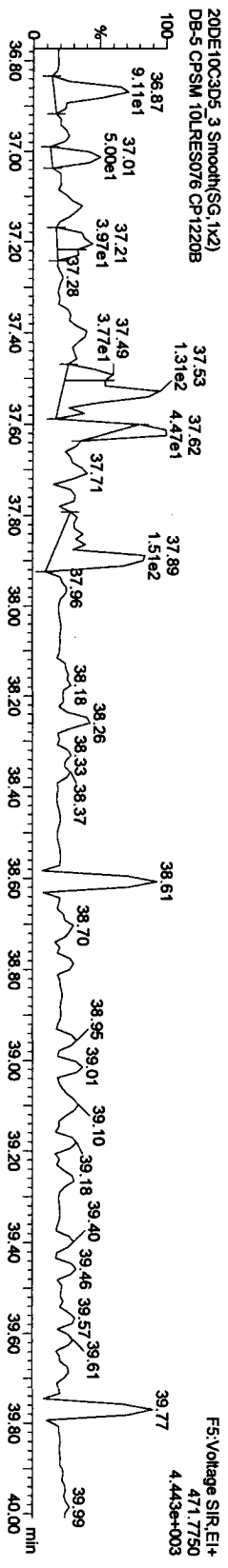
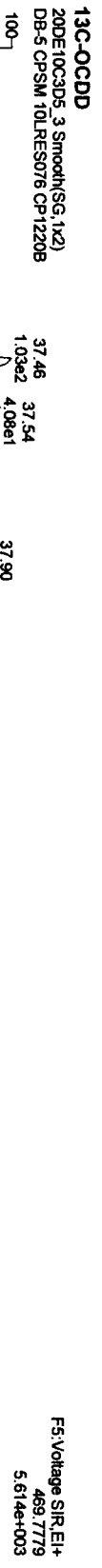


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

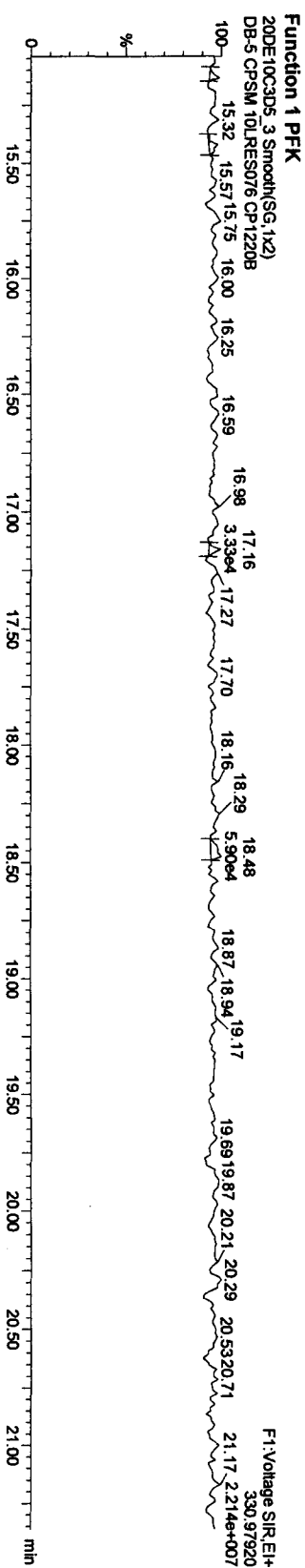
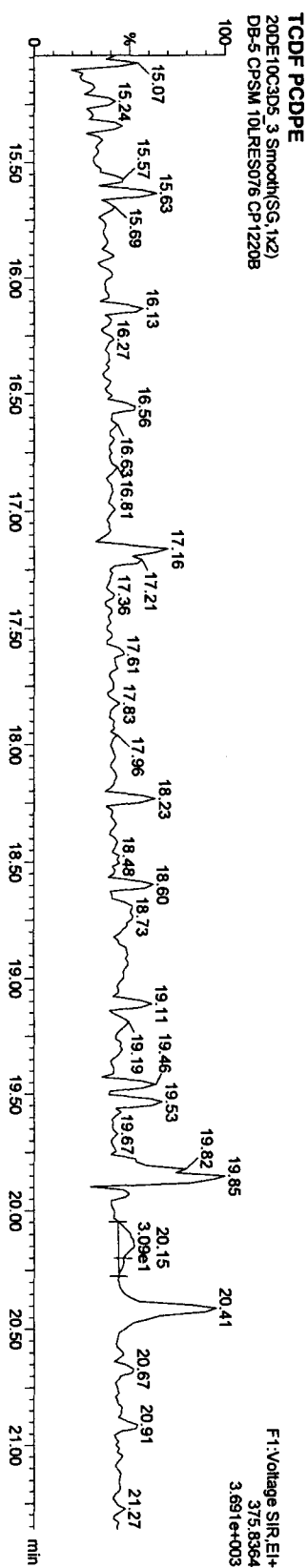
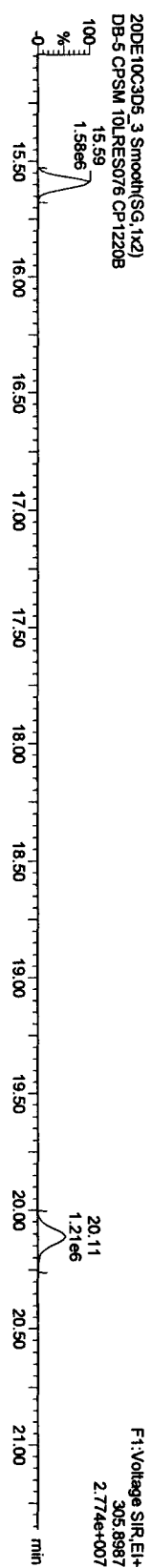
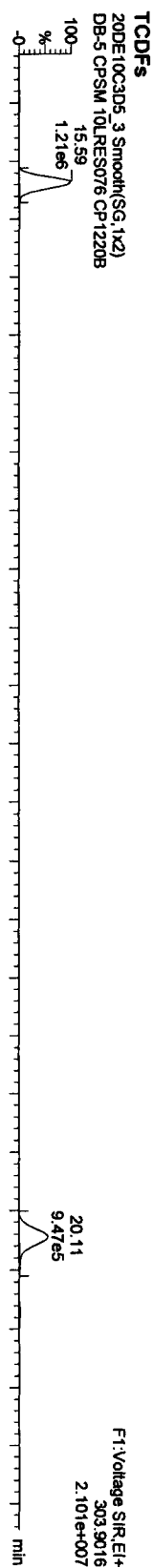


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROJ\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

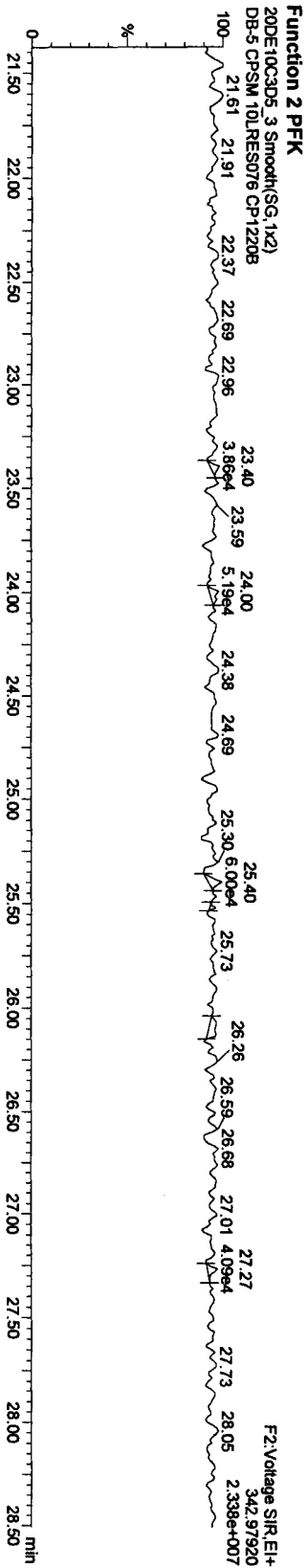
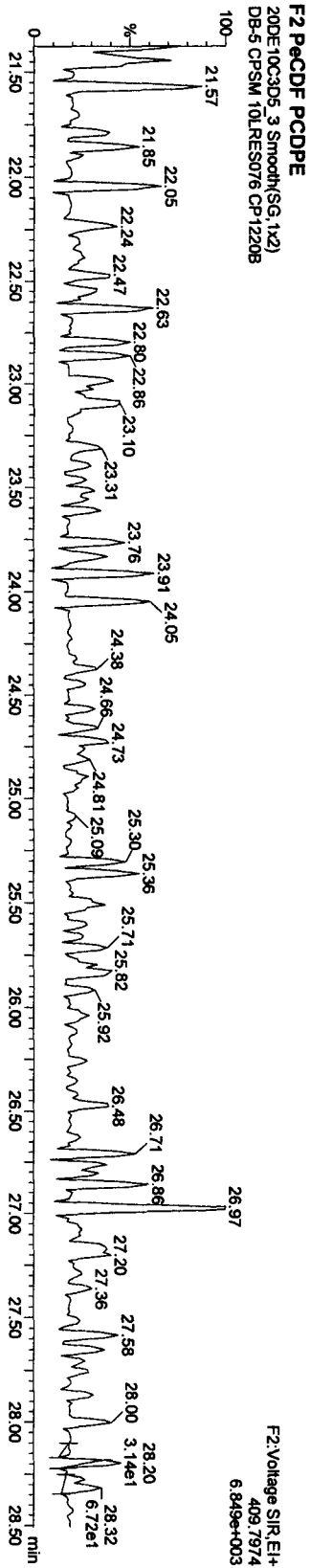
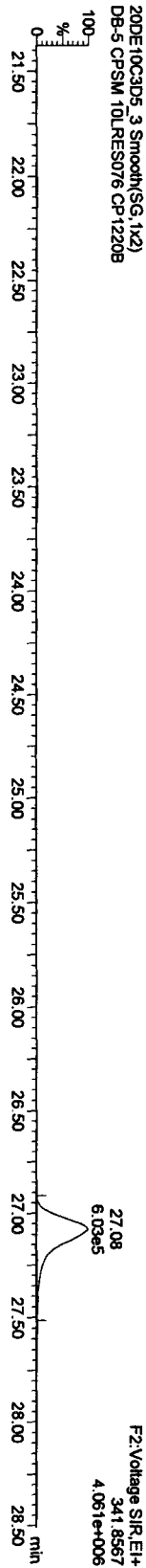
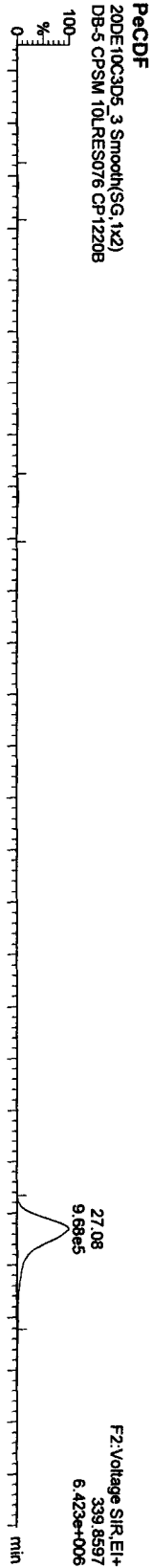


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROV\20DE10C3AD5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3AD5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

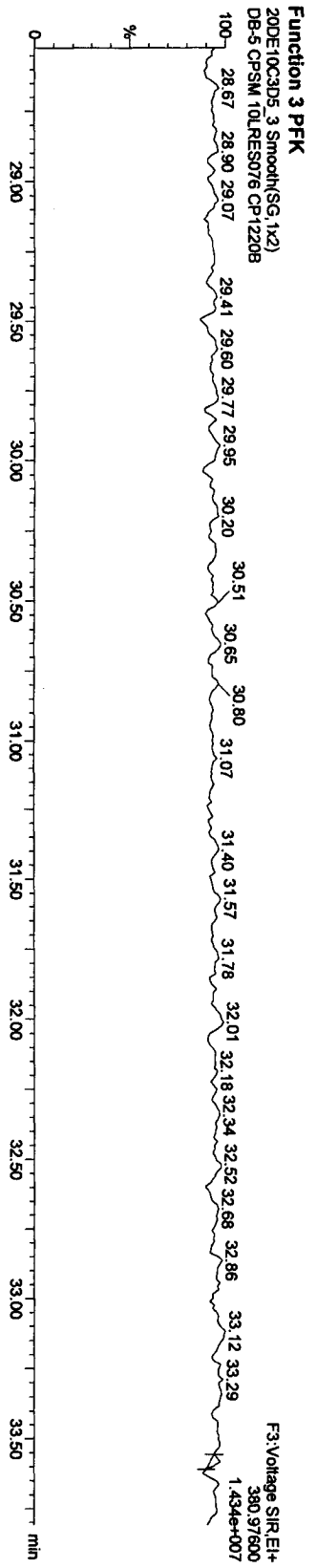
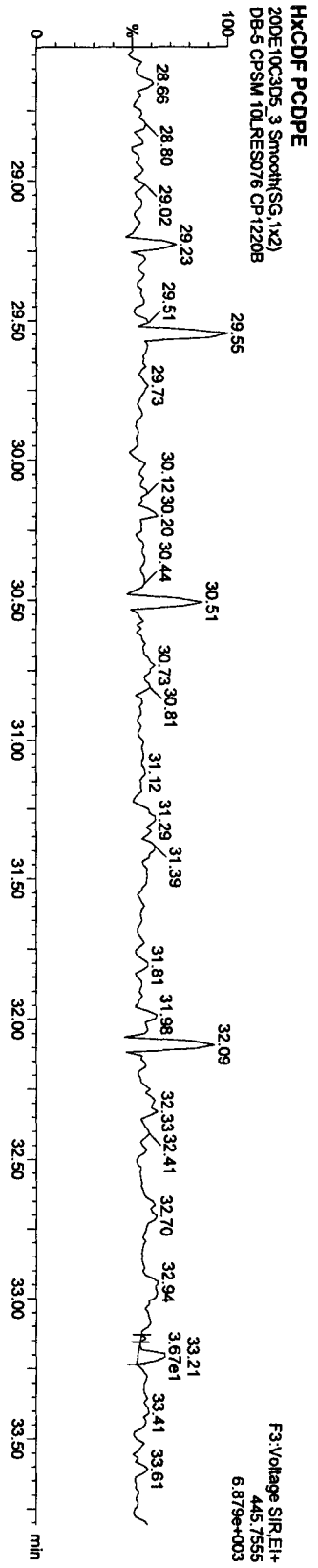
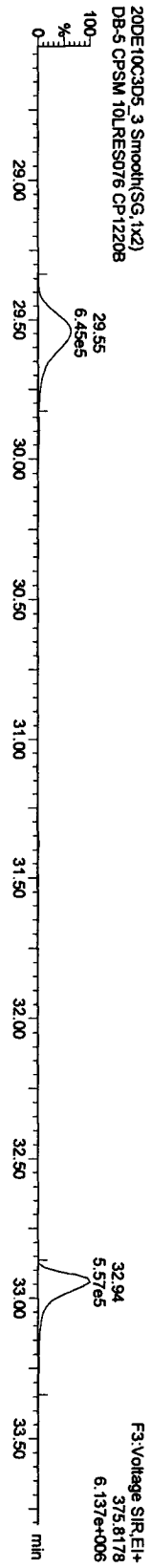
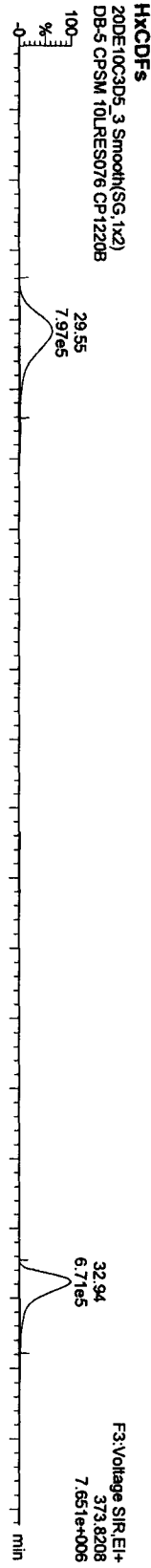


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\VAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

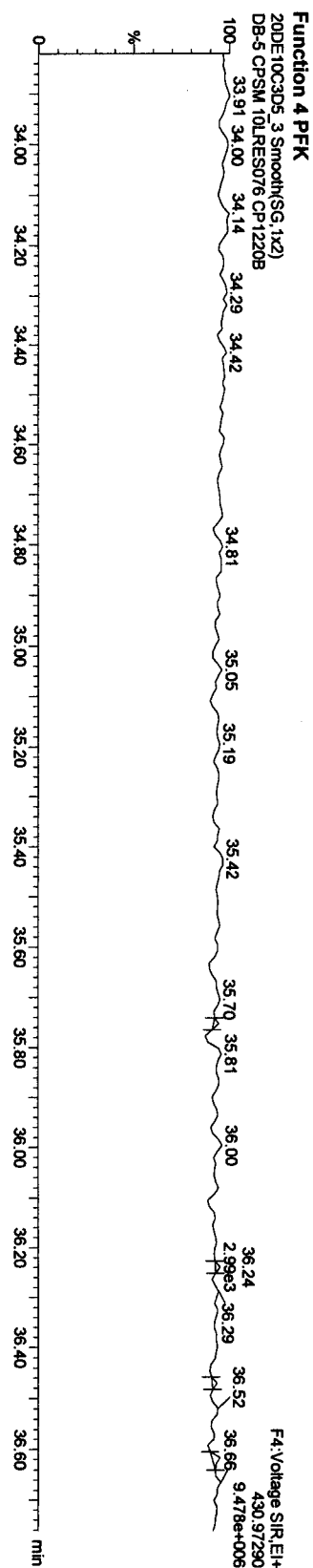
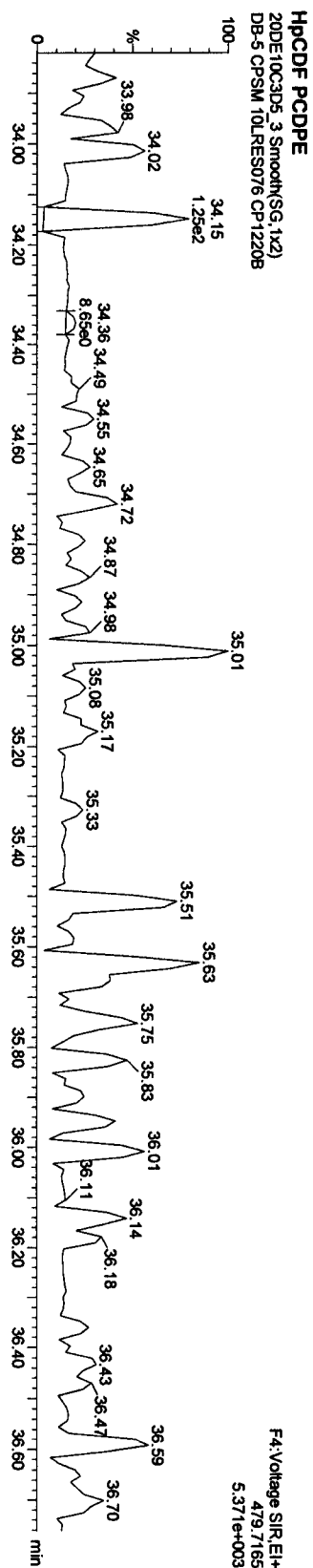
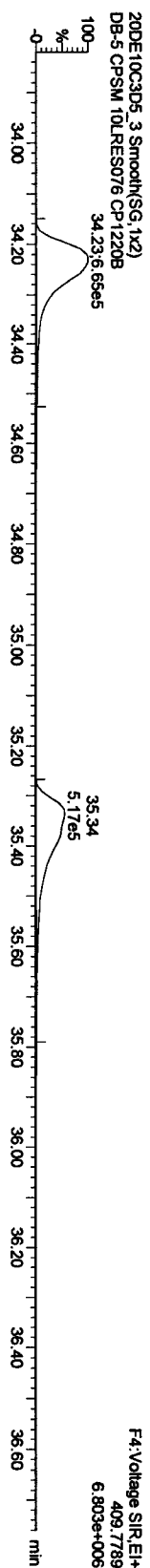
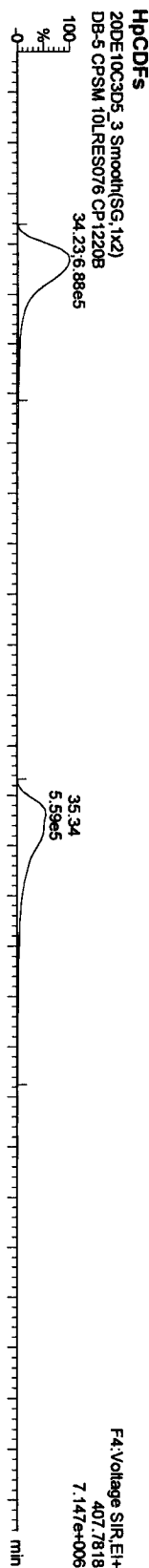


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076

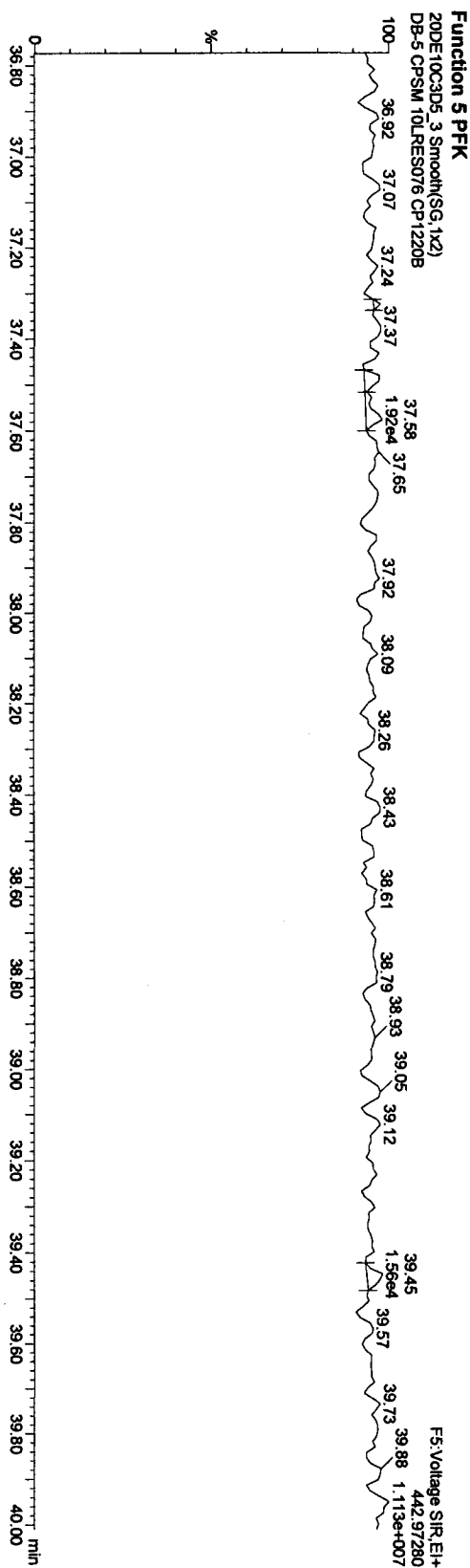
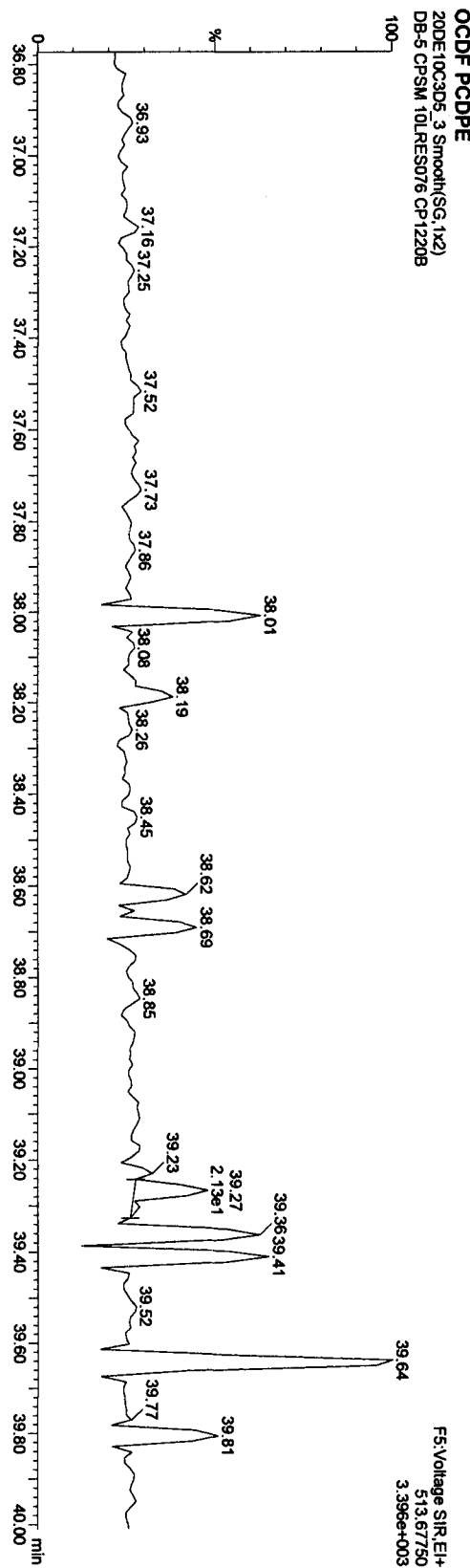


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ\20DE10C3D5T09F.qid

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_3, Date: 20-Dec-2010, Time: 19:02:59, ID: CP1220B, Description: DB-5 CPSM 10LRES076



Quantity Sample Report MassLynx 4.1

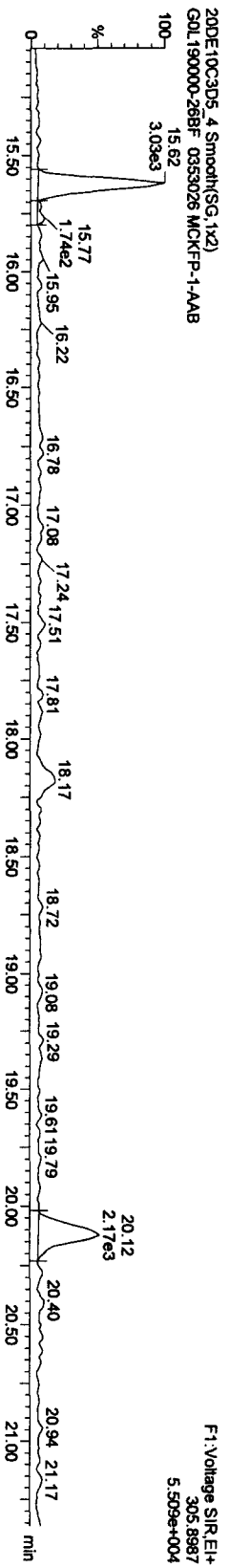
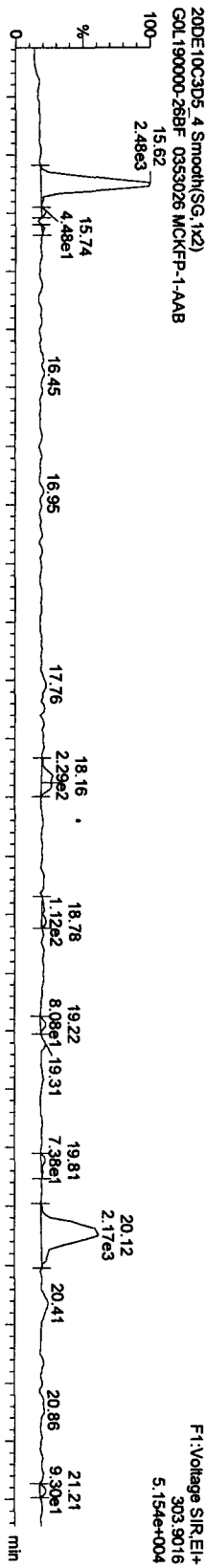
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Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

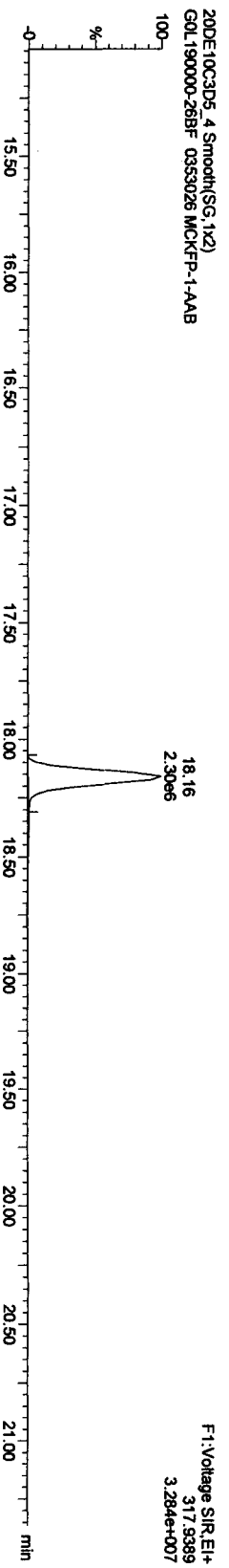
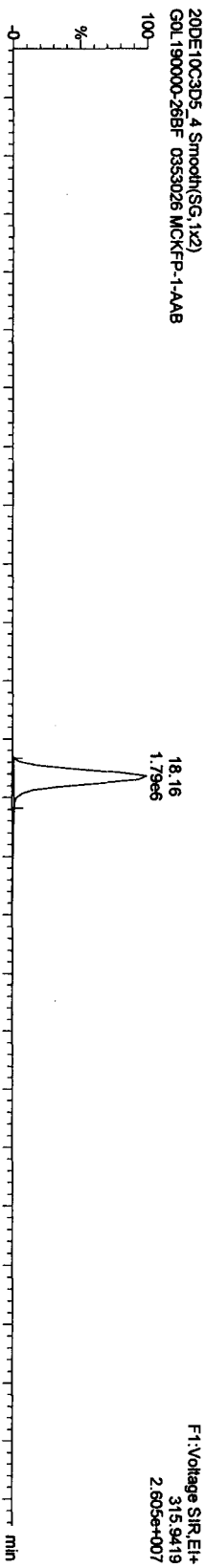
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

TCDFs



13C-TCDF



Quantity Sample Report MassLynx 4.1

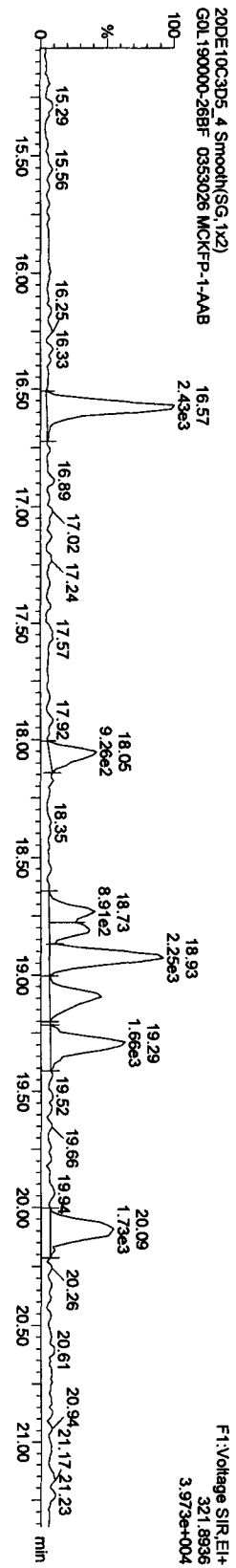
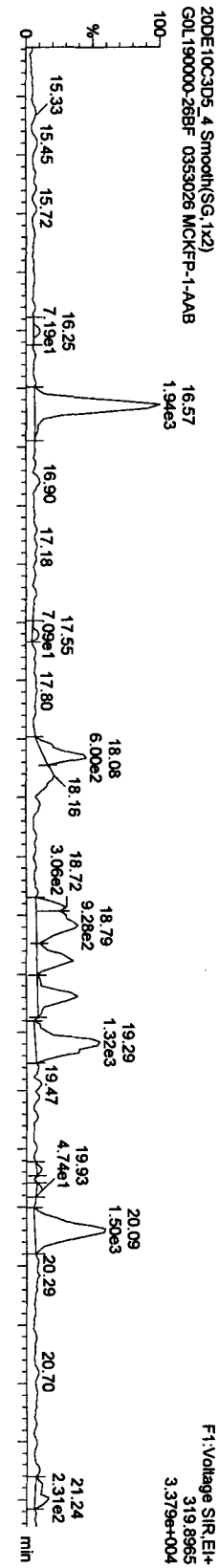
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Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

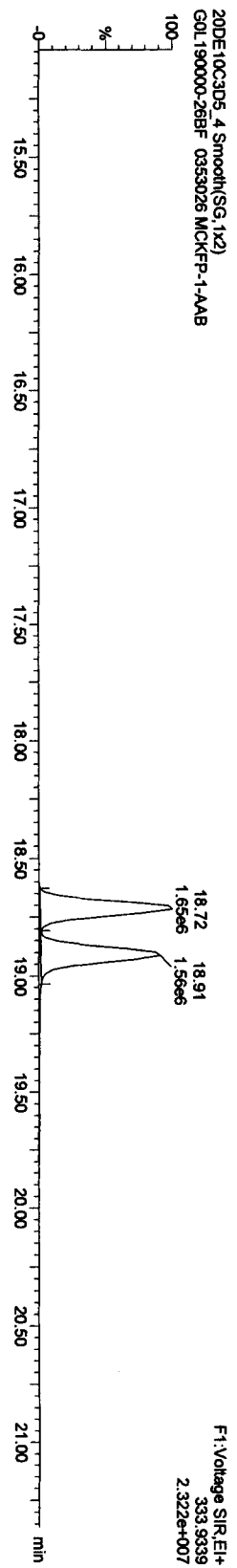
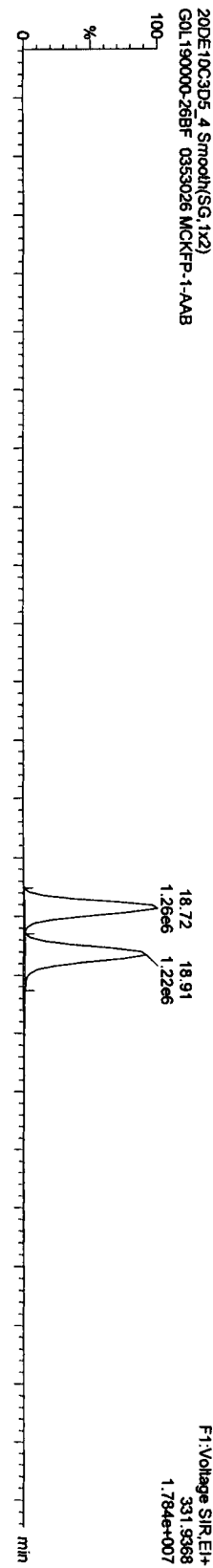
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

TCDDs



13C-TCDDs

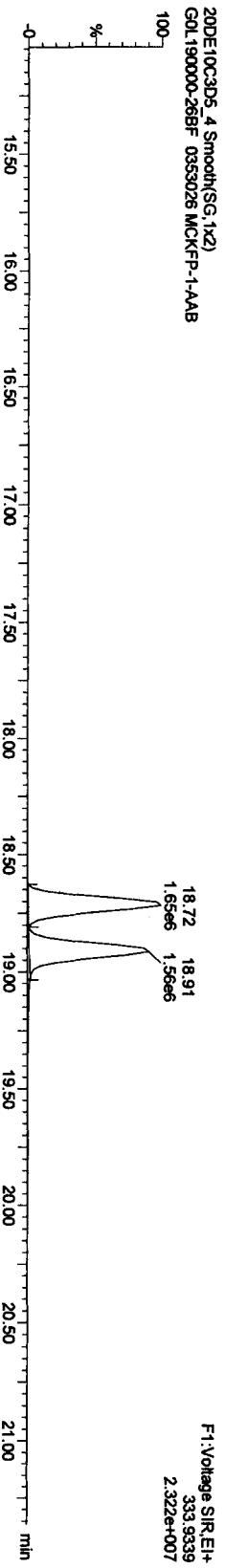


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PROJ\20DE10C3D5T09F.qld

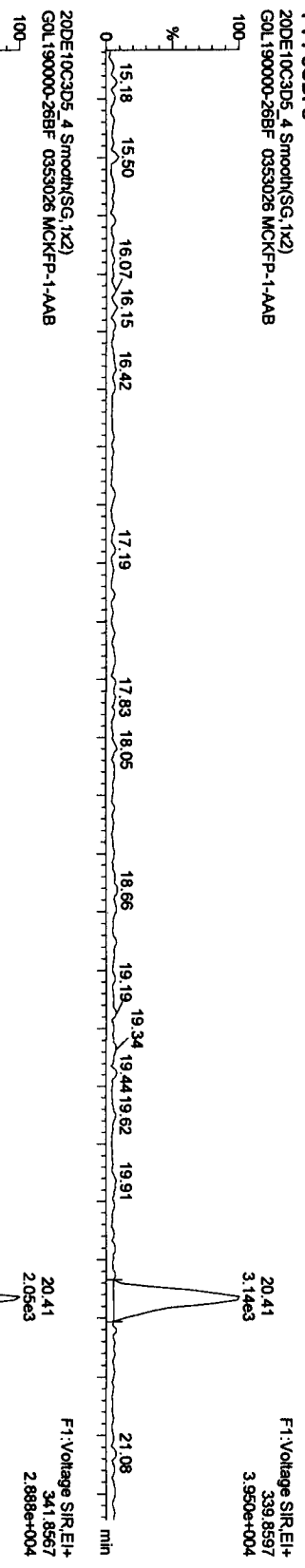
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

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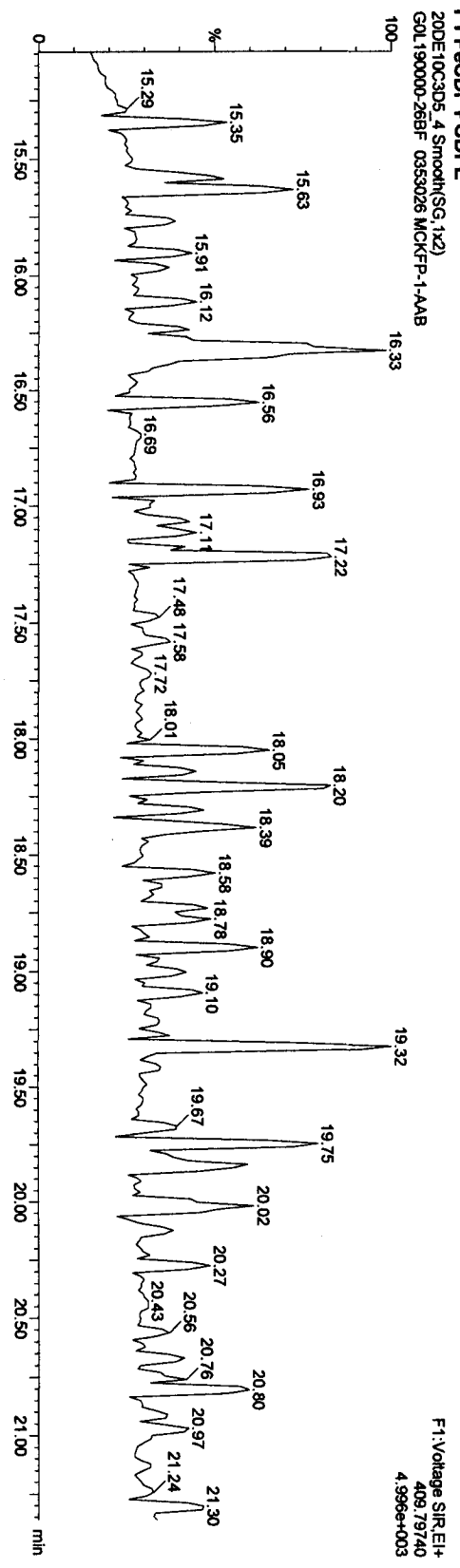
F1 PeCDFs

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB



F1 PeCDF PCDPE

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

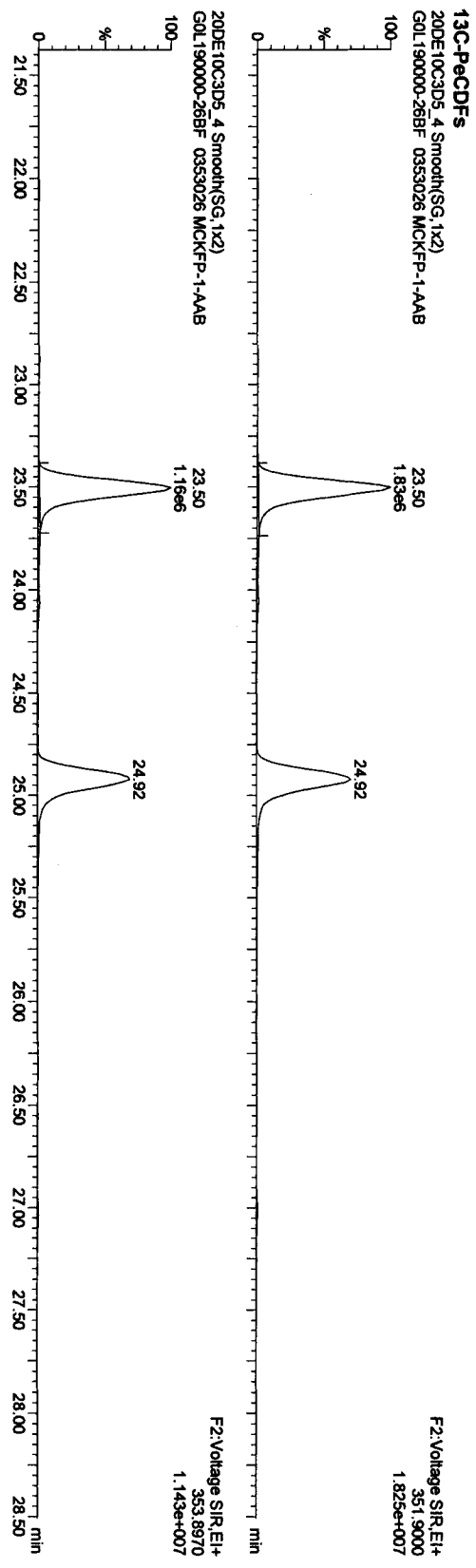
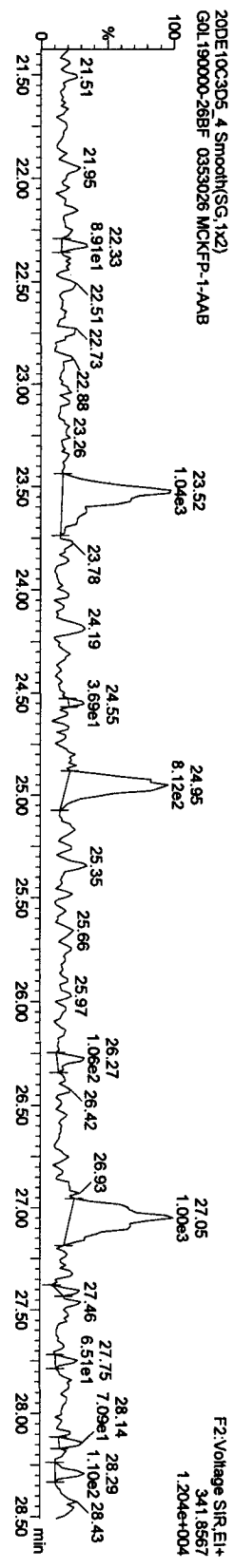
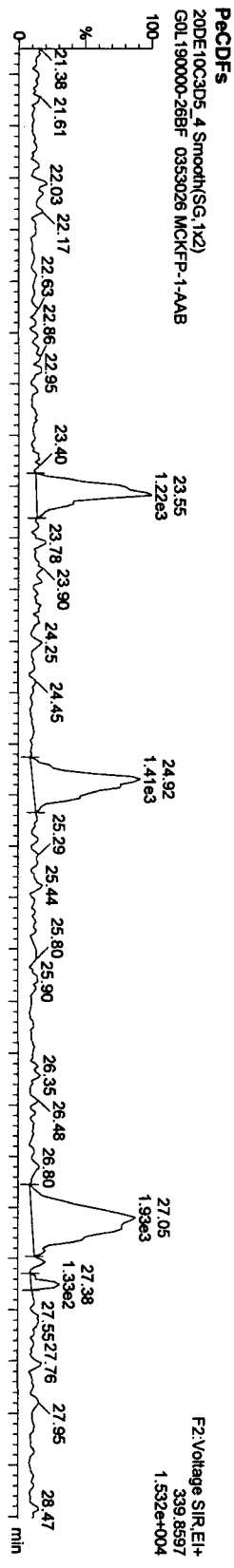


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026



Quantity Sample Report MassLynx 4.1

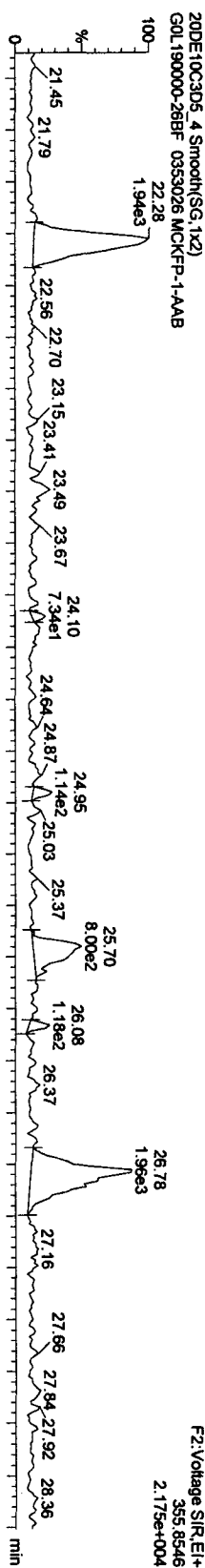
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Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

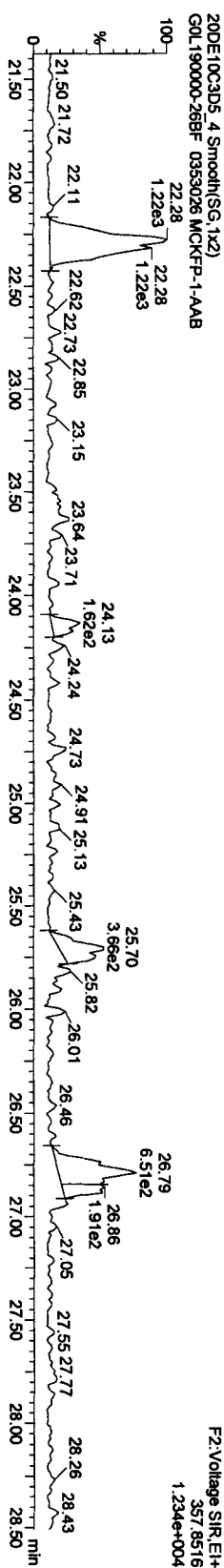
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PeCDDs

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

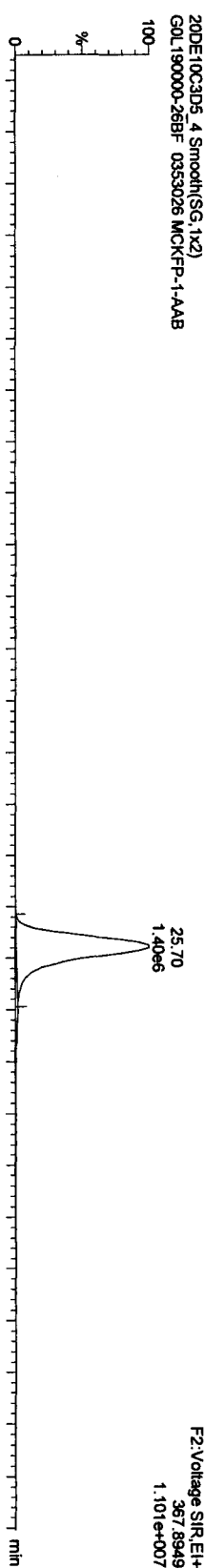


20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

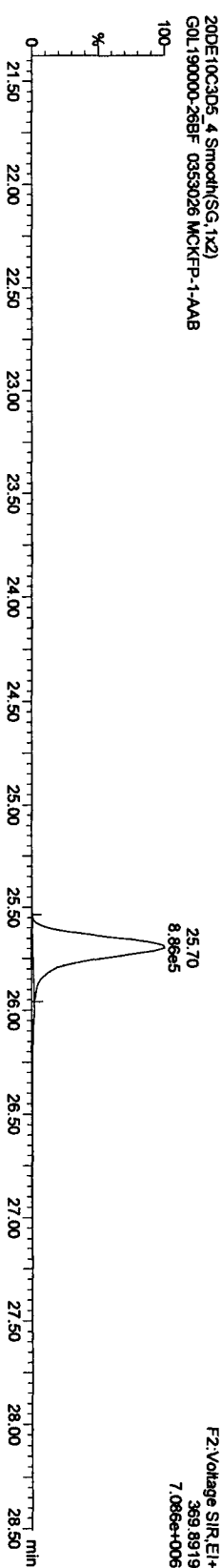


13C-PeCDD

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB



20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB



Quantity Sample Report MassLynx 4.1

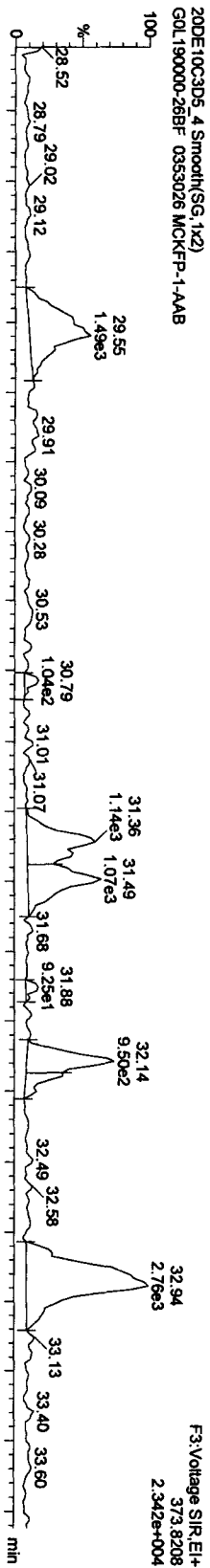
Dataset: C:\MassLynx\UAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

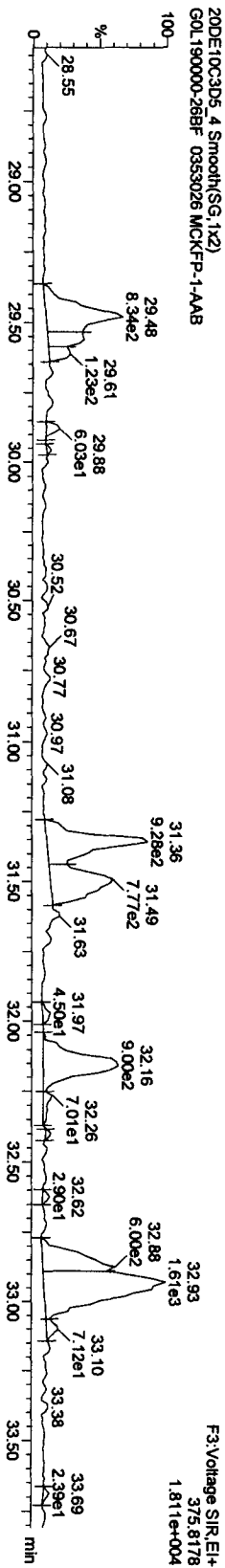
Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

HxCDFs

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

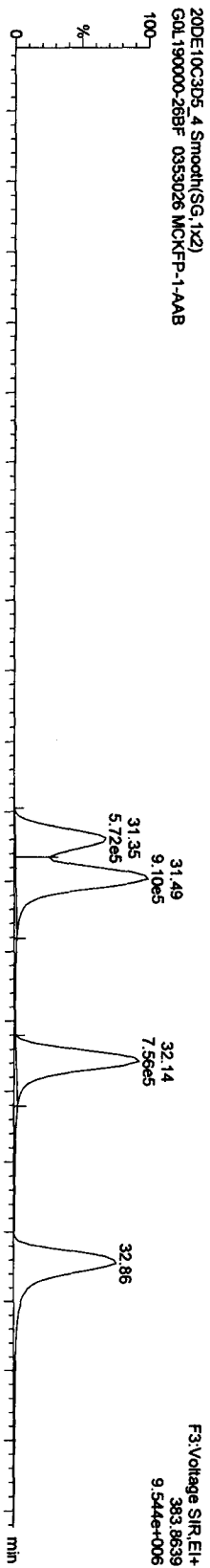


20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

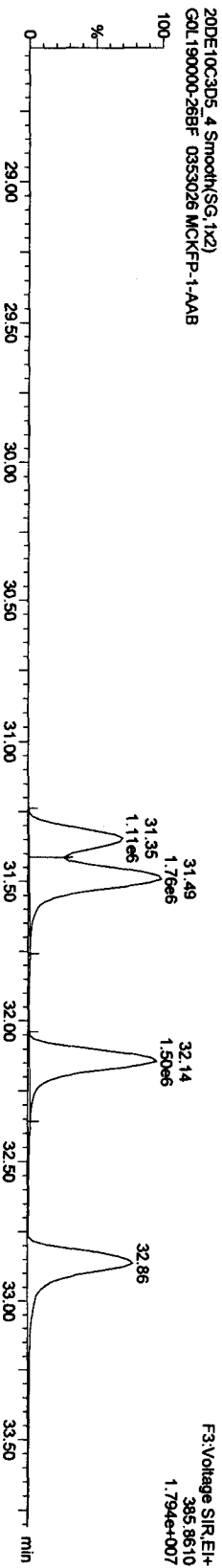


13C-HxCDFs

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB



20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB



Quantity Sample Report Masslynx 4.1

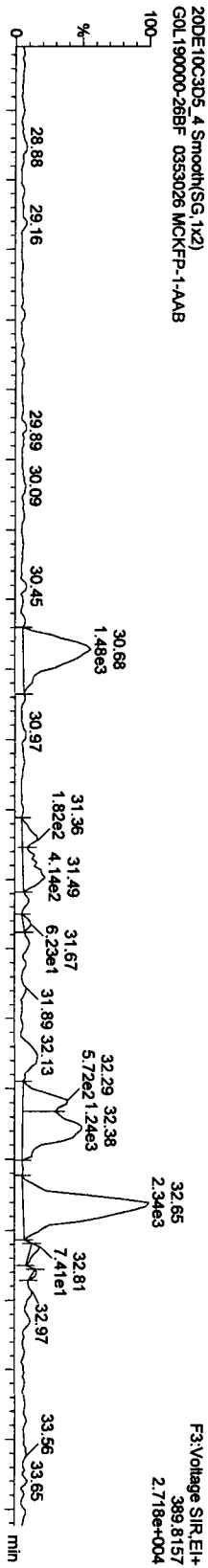
Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:12:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

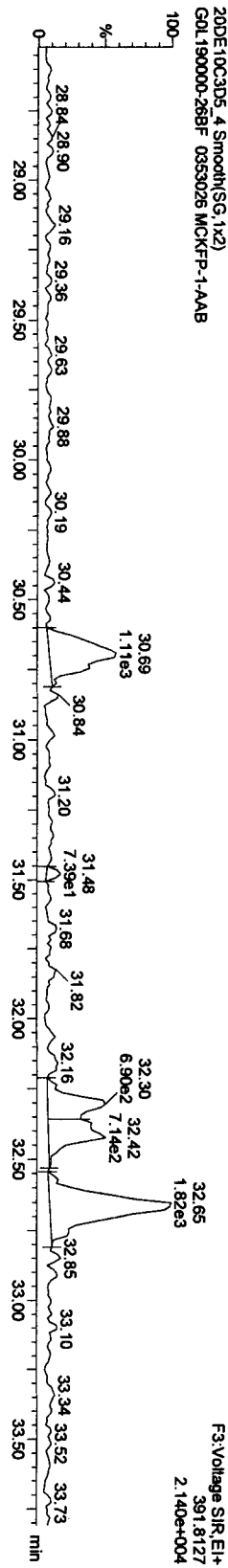
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HxCDDs

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

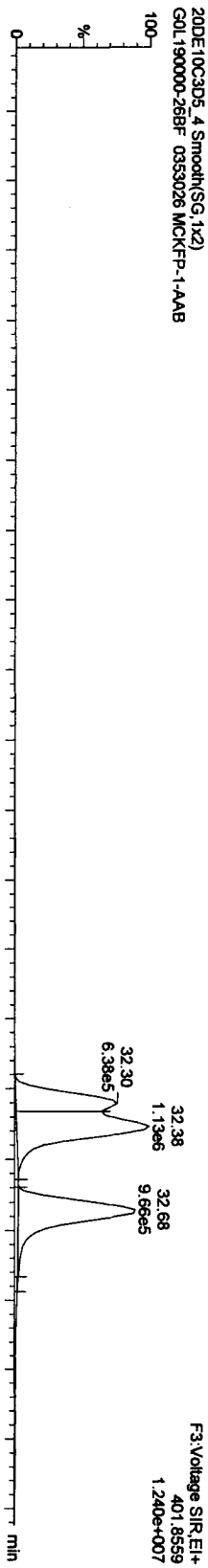


20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

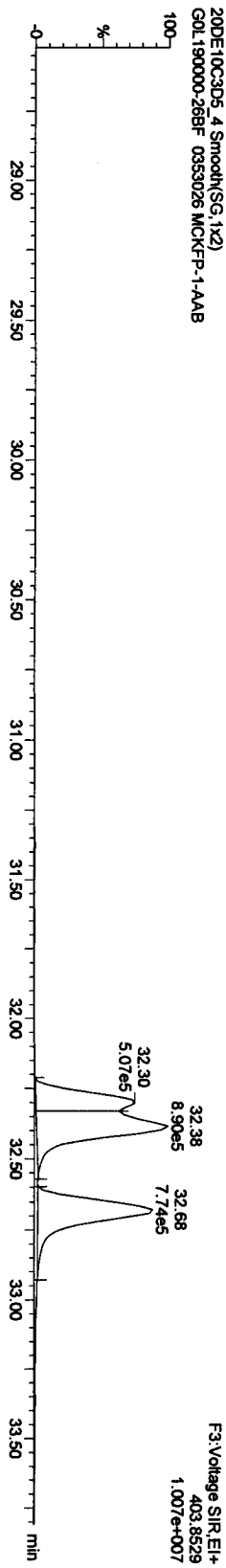


13C-HxCDDs

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB



20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB



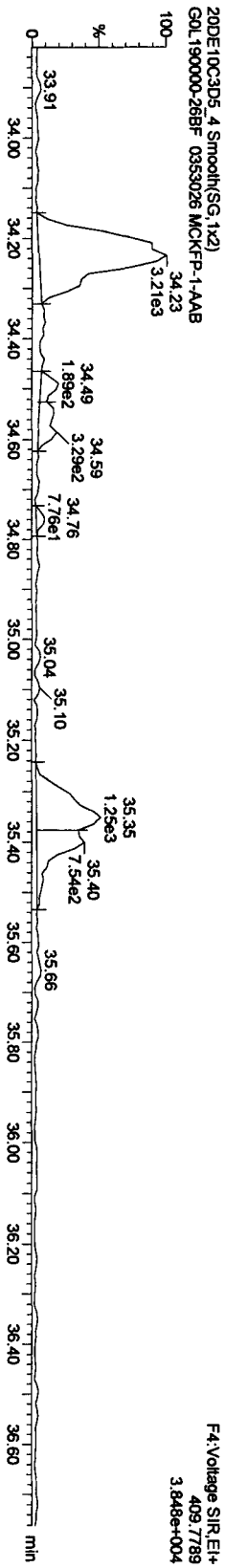
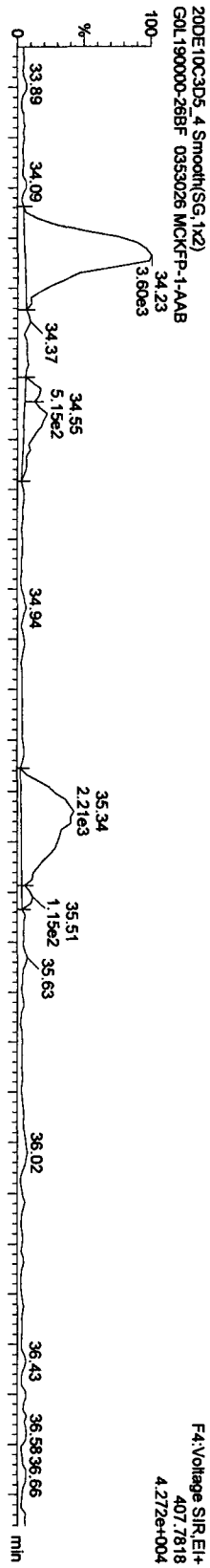
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5T09F.qld

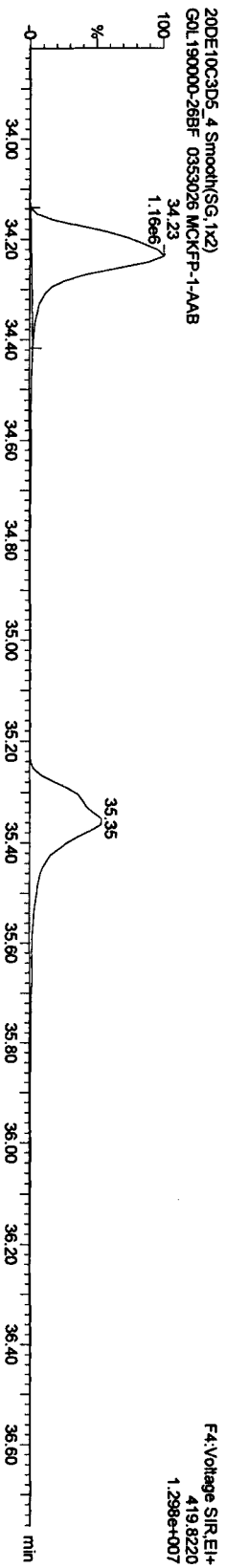
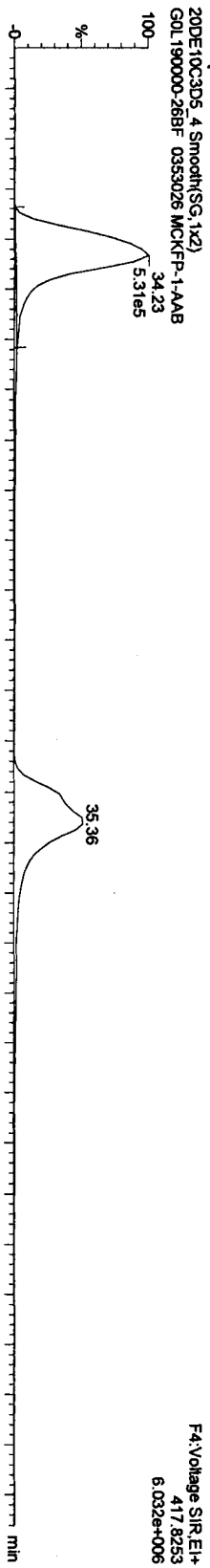
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

HPCDFs



13C-HPCDFs



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROJ\20DE10C3D5\T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

HPCDDs



13C-HpCDD



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV20DE10C3D5T09F.qld

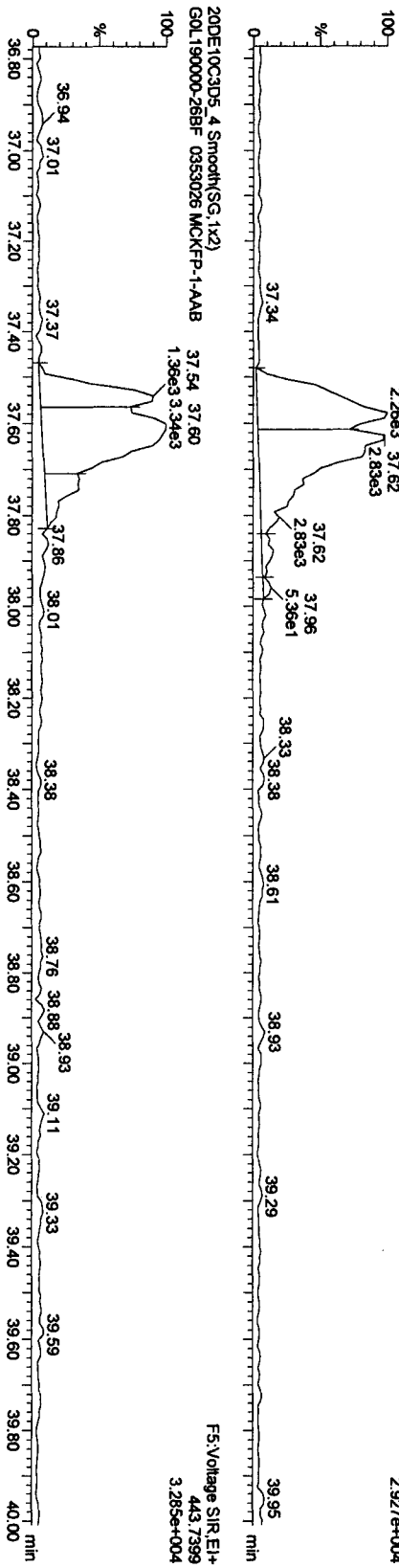
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

OCDFs

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

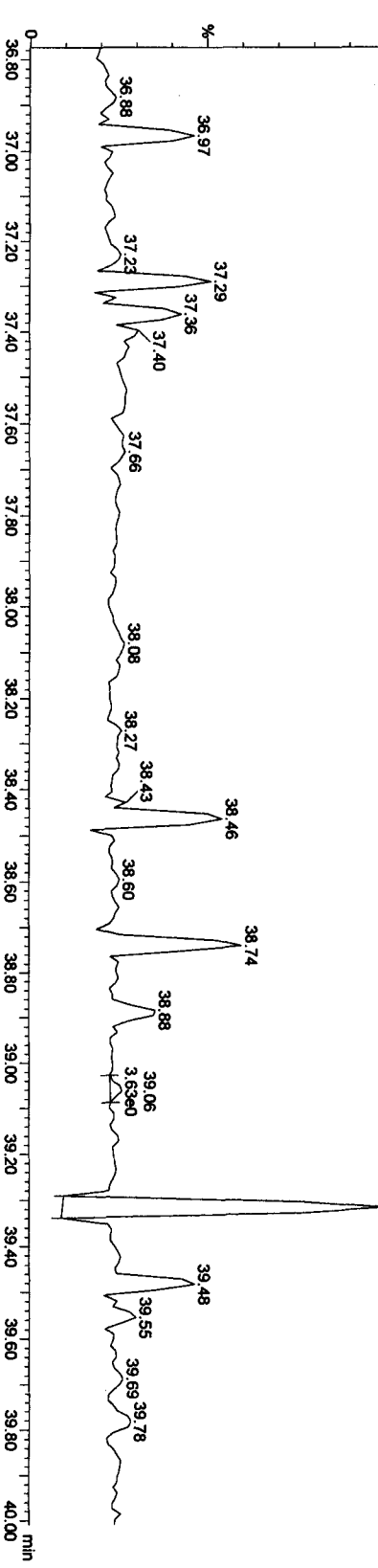
FS:Voltage SIR.EI+
441.7428
2.927e+004



OCDF PCDDPE

20DE10C3D5_4 Smooth(SG, 1x2)
GOL190000-26BF 0353026 MCKFP-1-AAB

FS:Voltage SIR.EI+
513.67750
3.807e+003



Quantity Sample Report MassLynx 4.1

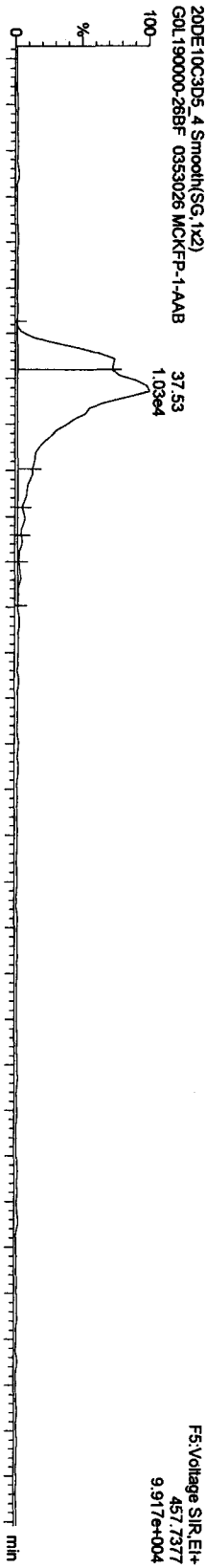
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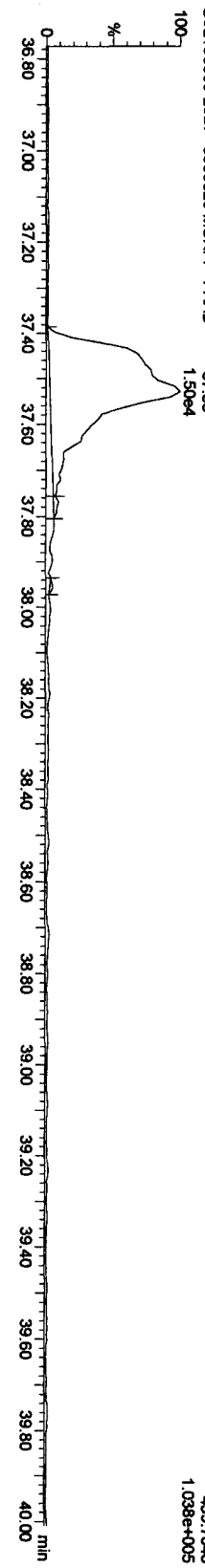
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

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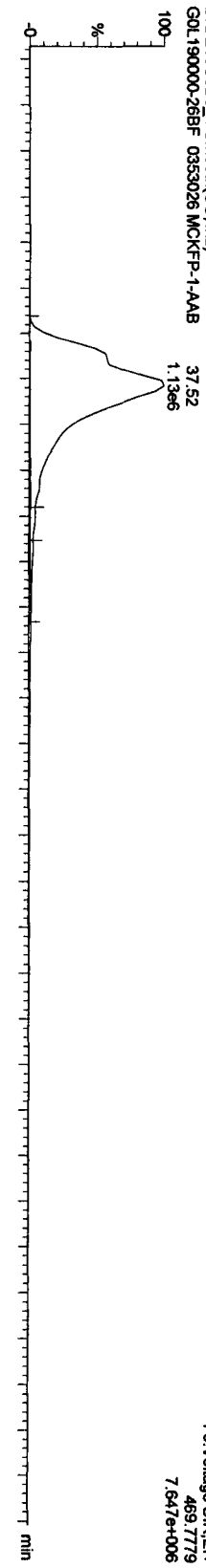
OCDD



13C-OCDD



20DE10C3D5_4



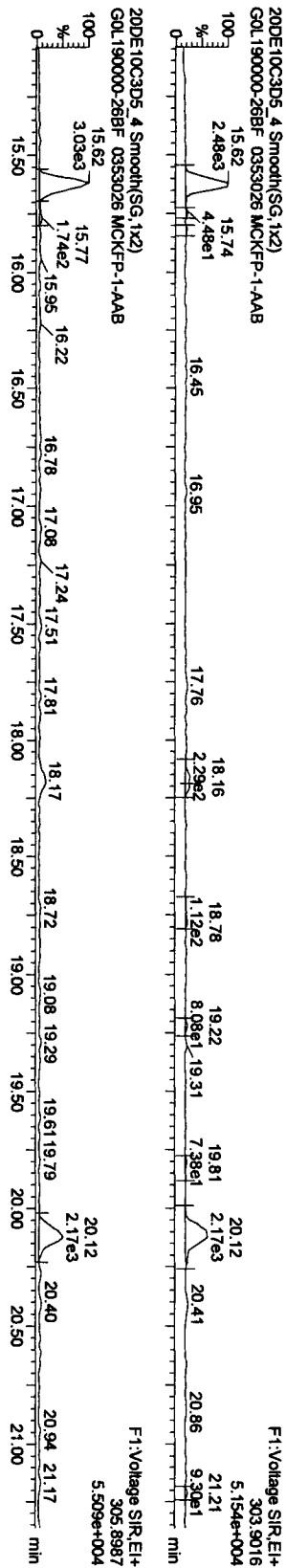
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PRO\20DE10C3D5T09F.qld

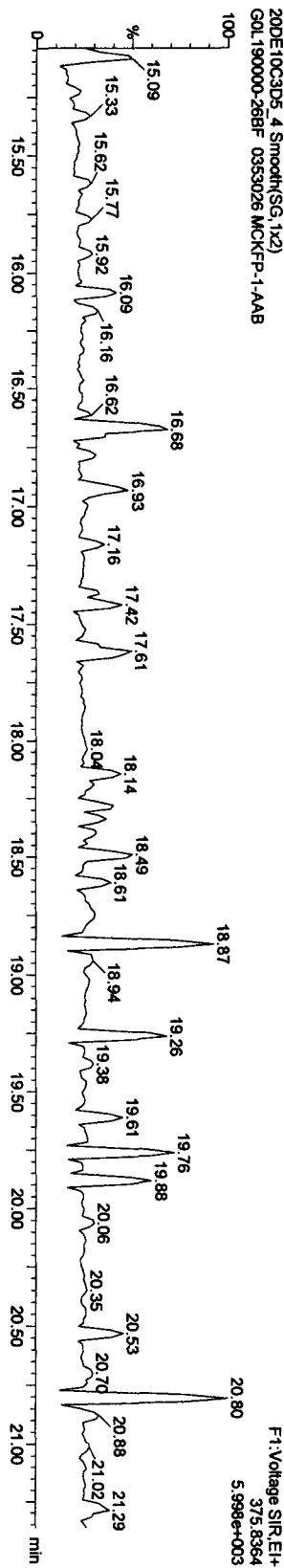
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

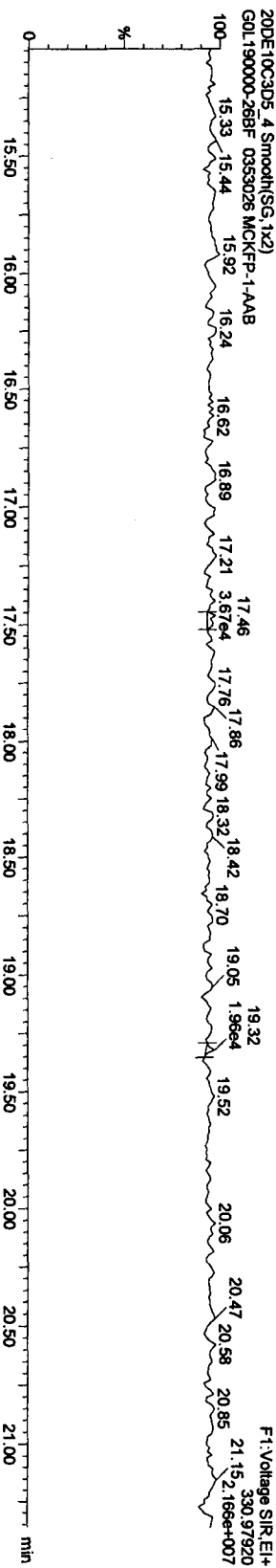
TCDFS



TCDF PCDPE



Function 1 PFK



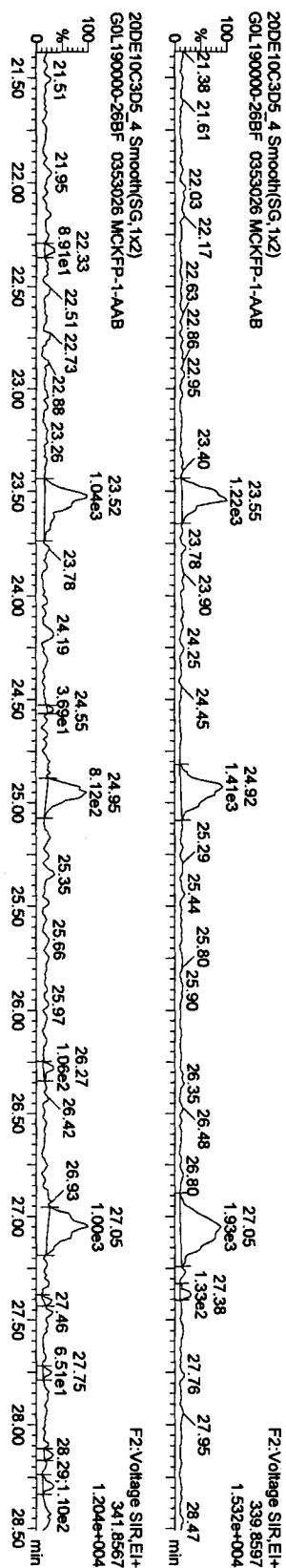
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\LAN2010\PROV20DE10C3D5TO9F.qld

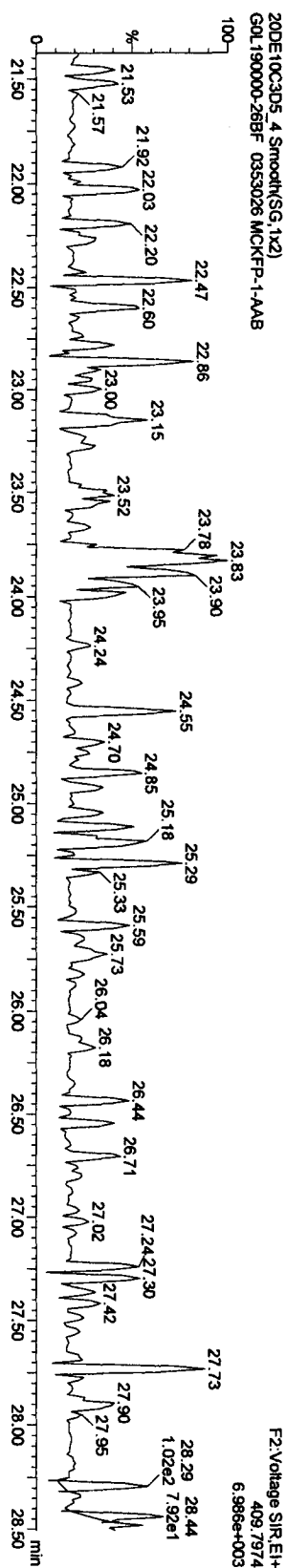
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
 Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

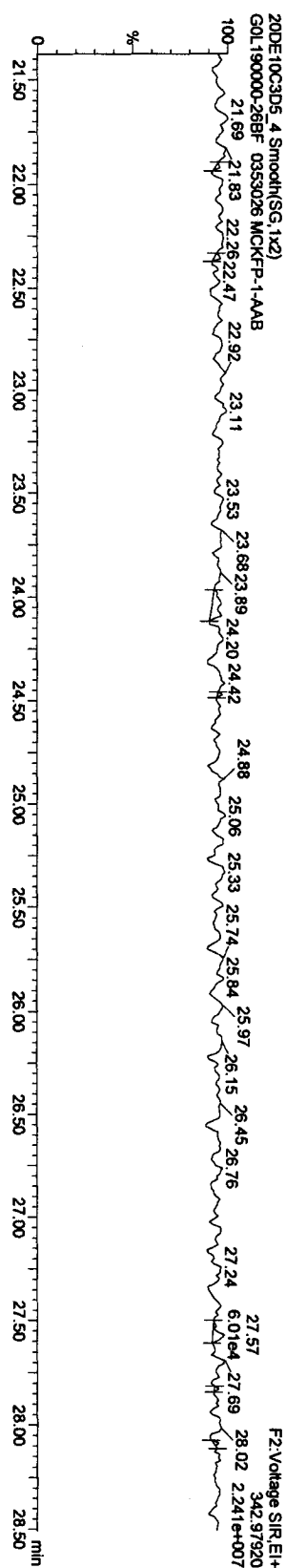
PACDF



F2 PACDF PCDFE



Function 2 PFK

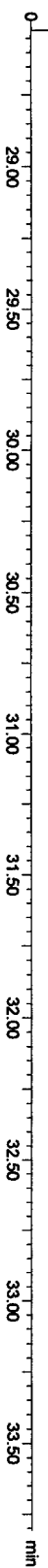
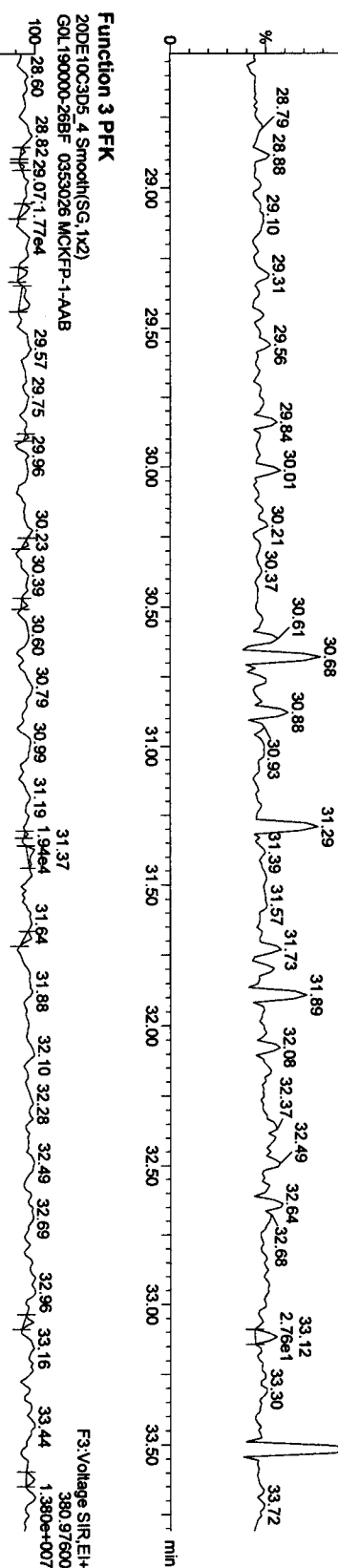
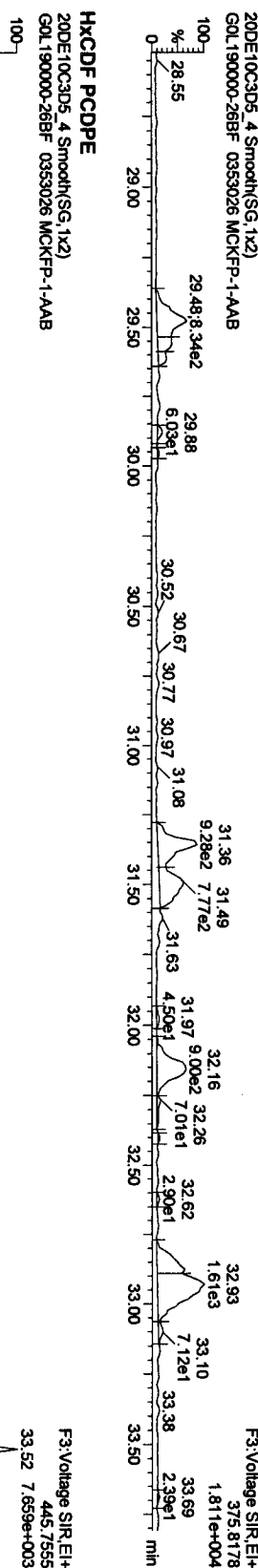
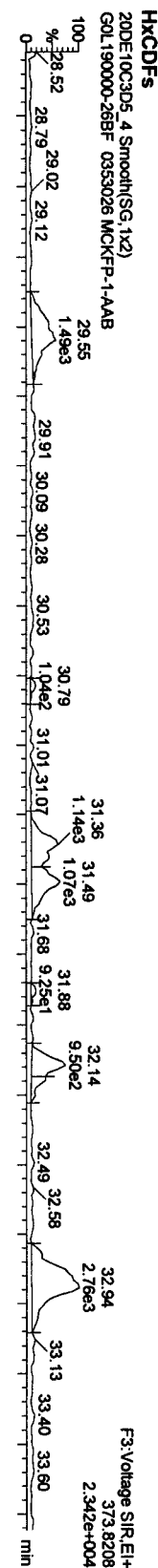


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026



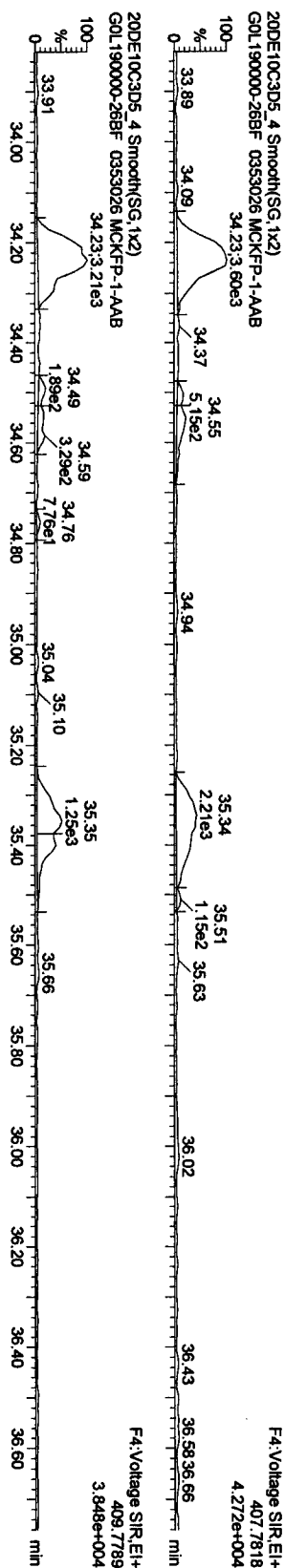
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PRO\20DE10C3D5T09F.qid

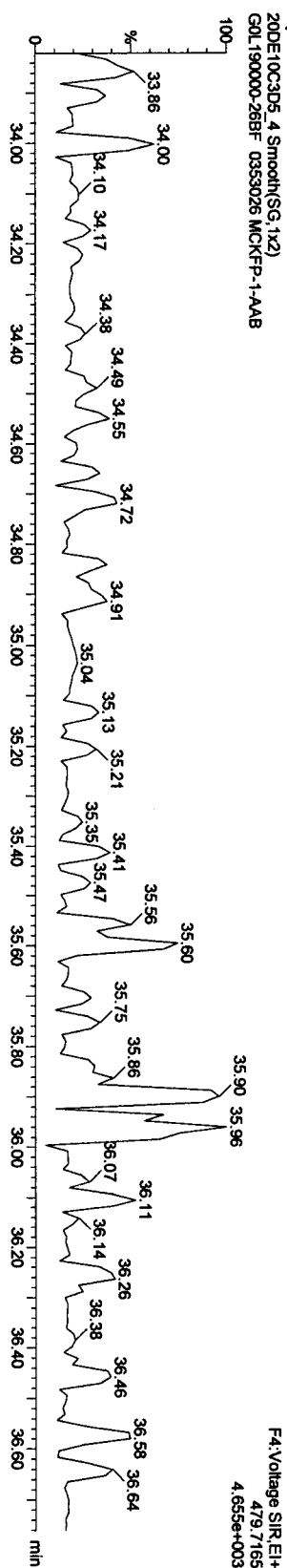
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

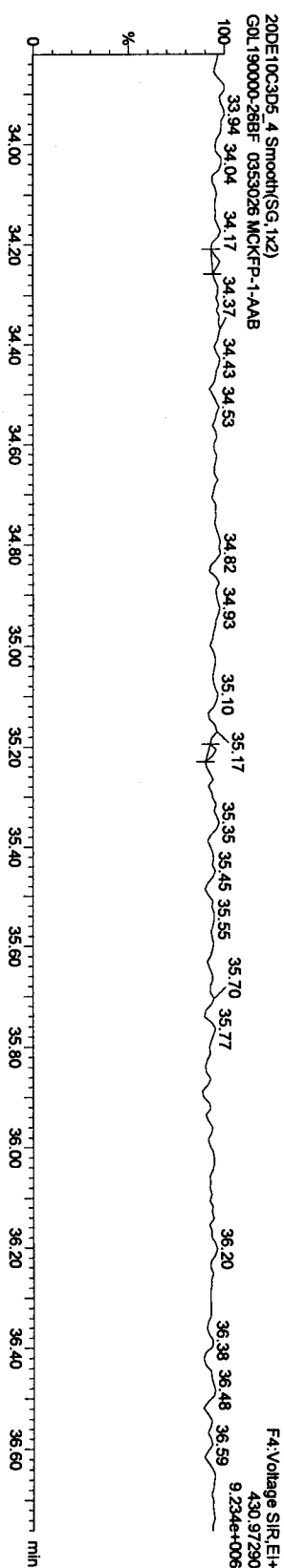
HpCDFs



HpCDF PCDDPE



Function 4 PFK



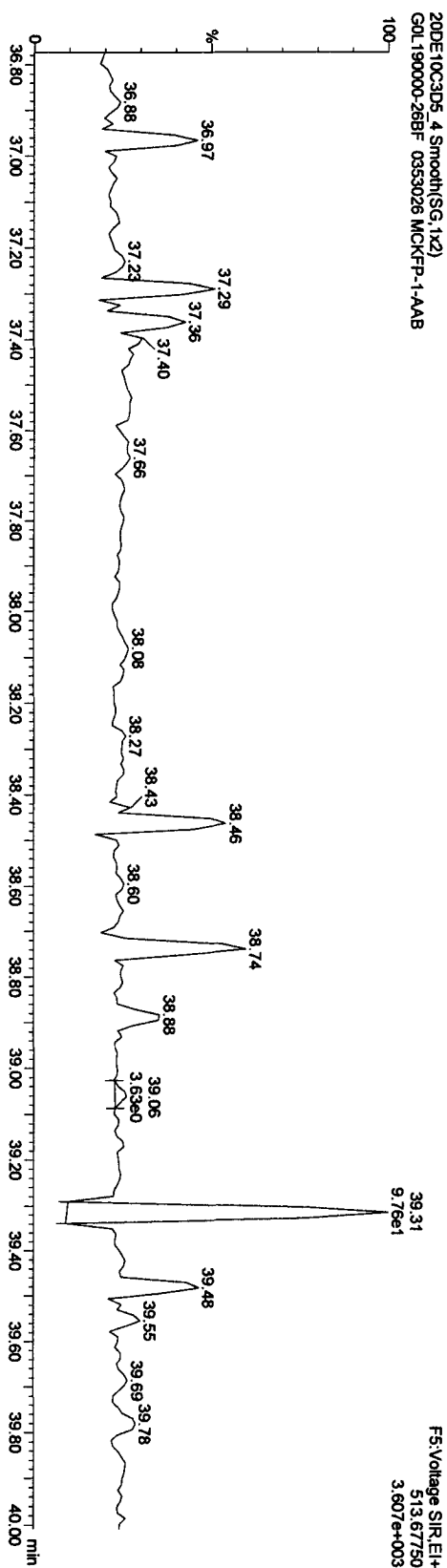
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\20DE10C3D5TO9F.qld

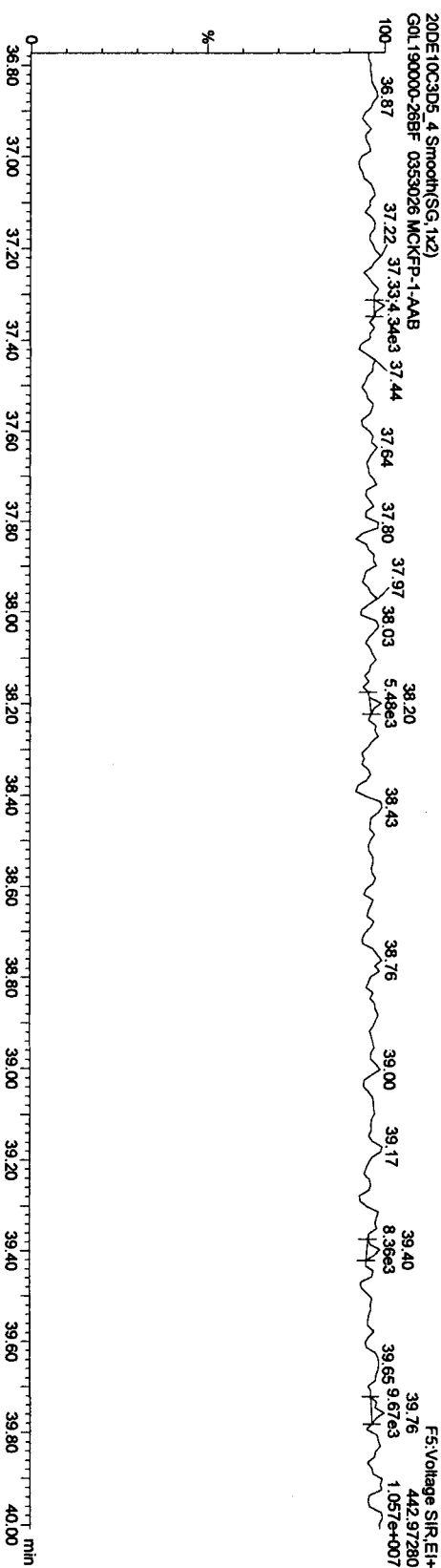
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_4, Date: 20-Dec-2010, Time: 19:44:12, ID: MCKFP-1-AAB, Description: GOL190000-26BF 0353026

OCDF PCDPE



Function 5 PFK



Quantify Sample Report MassLynx 4.1

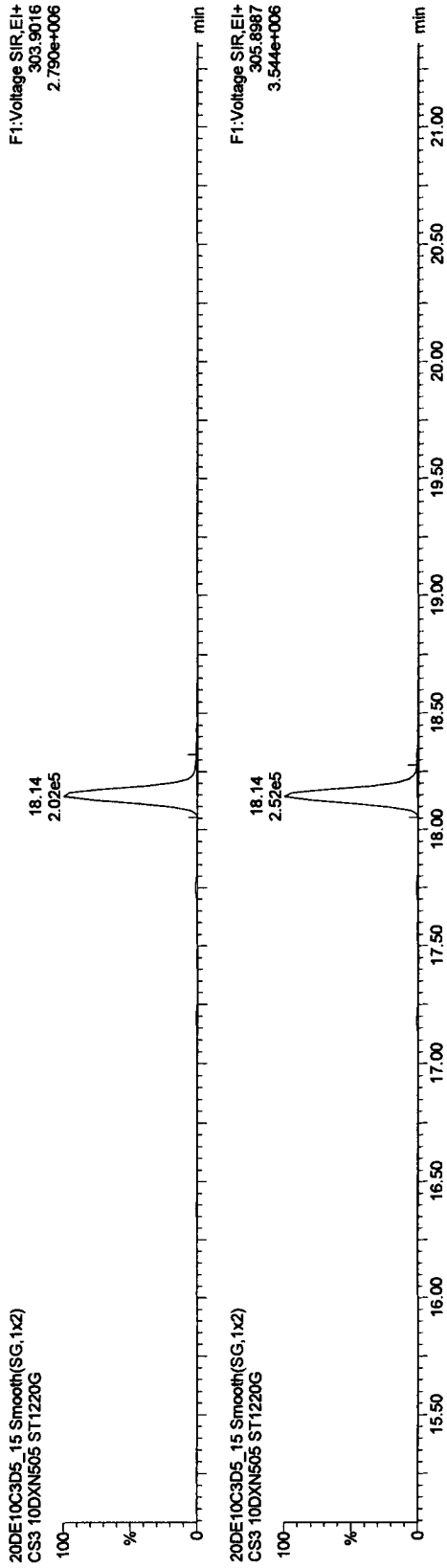
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

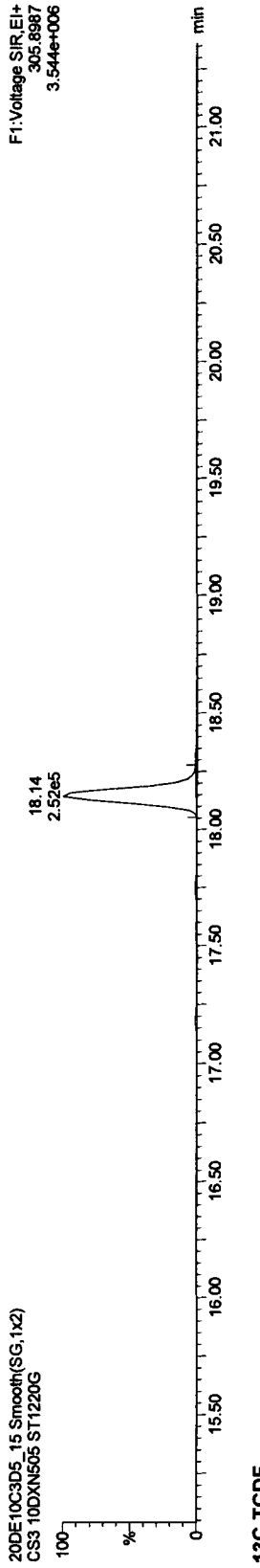
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

TCDFs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

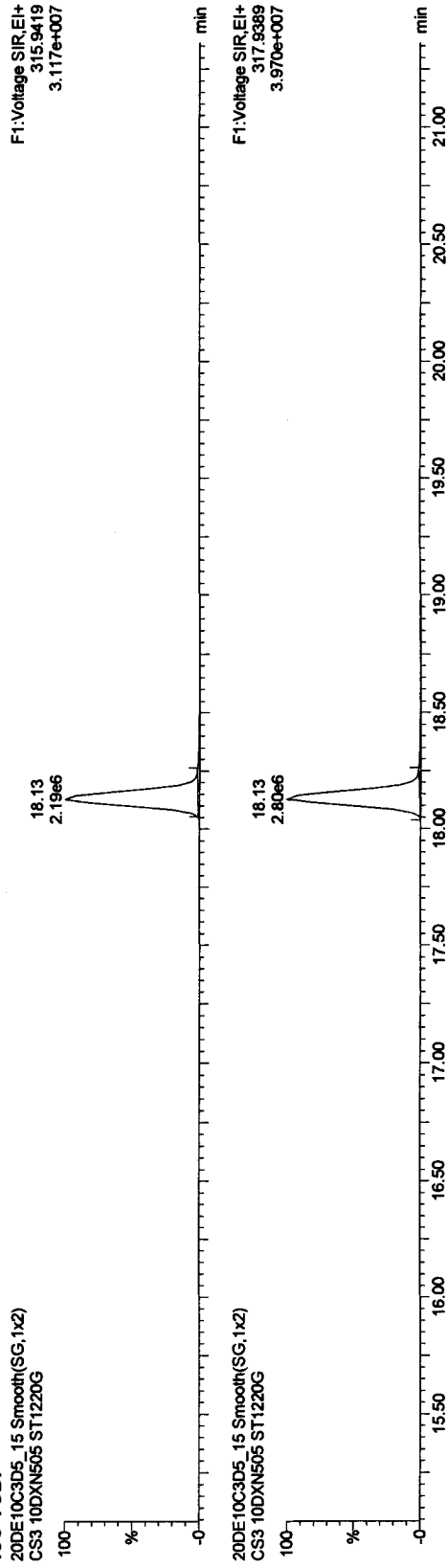


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

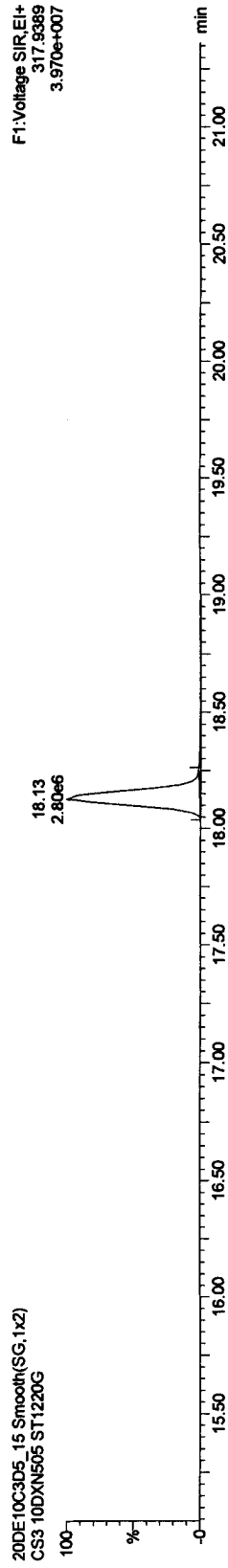


13C-TCDF

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Quantify Sample Report MassLynx 4.1

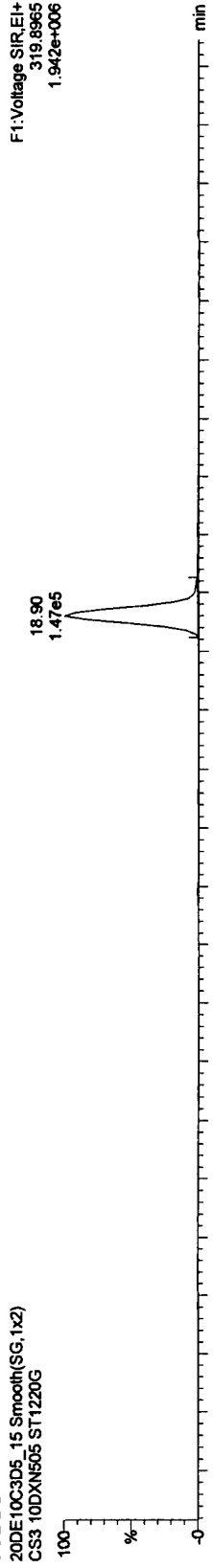
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

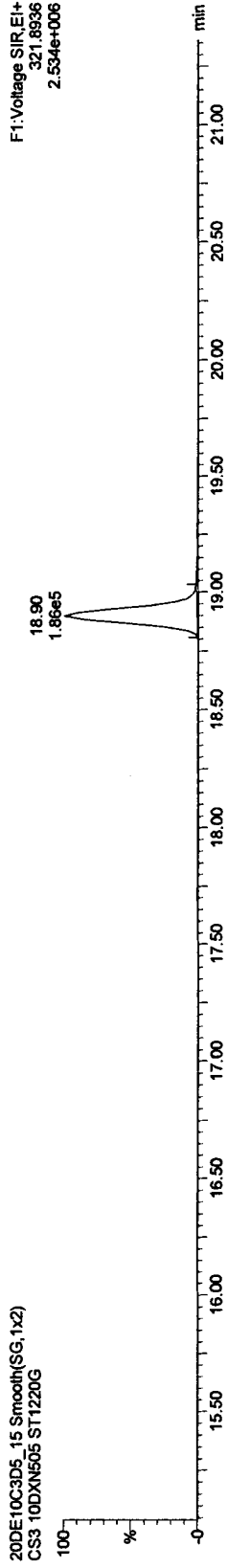
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

TCDDs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

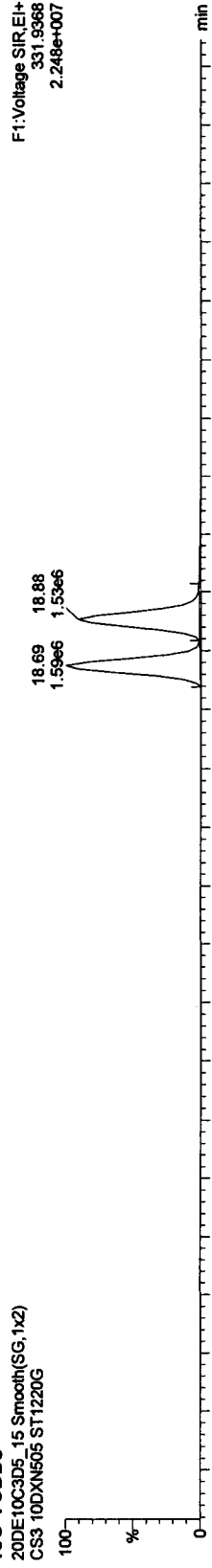


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

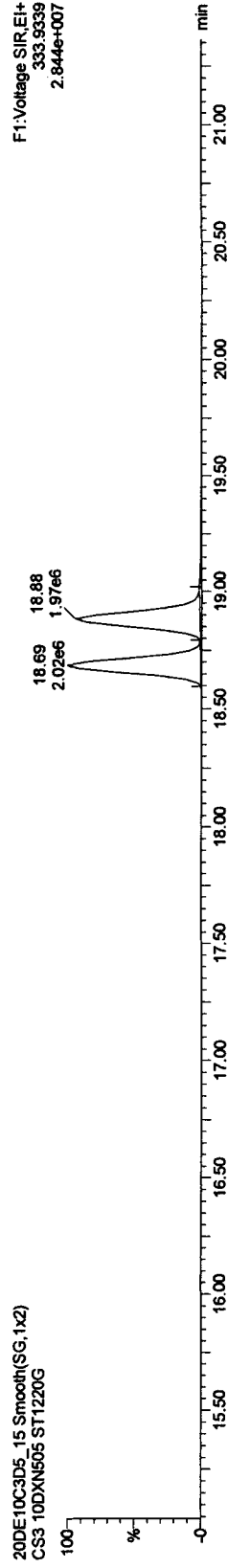


13C-TCDDs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

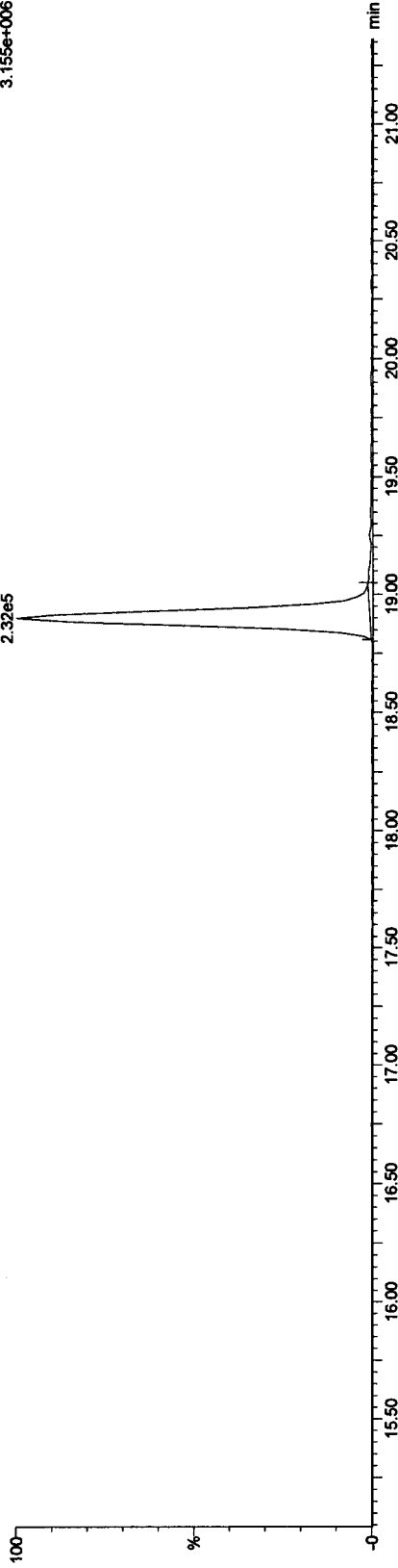
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

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

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

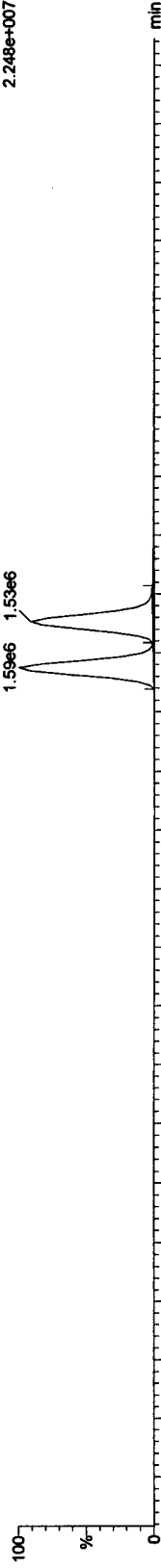
F1: Voltage SIR, EI+
327.8847
3.155e+006



13C-TCDDs

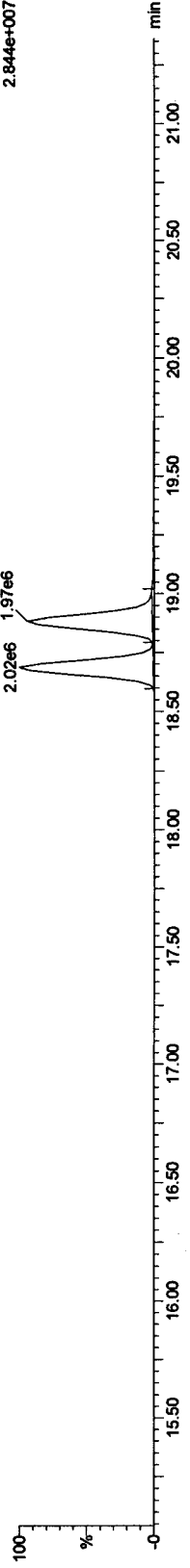
20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

F1: Voltage SIR, EI+
331.9368
2.248e+007



20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

F1: Voltage SIR, EI+
333.9339
2.844e+007



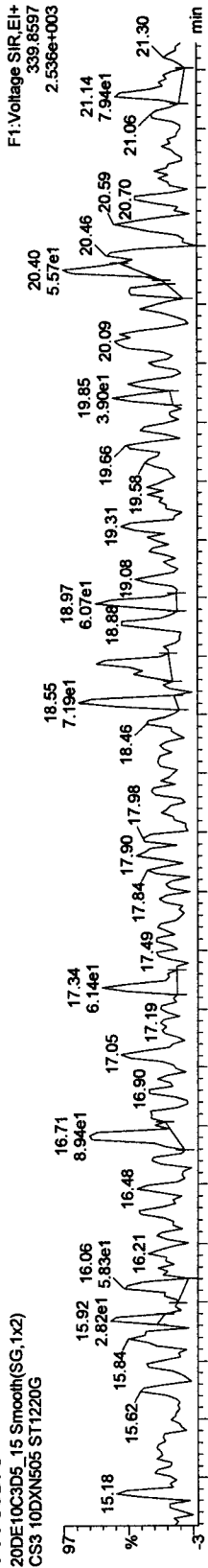
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

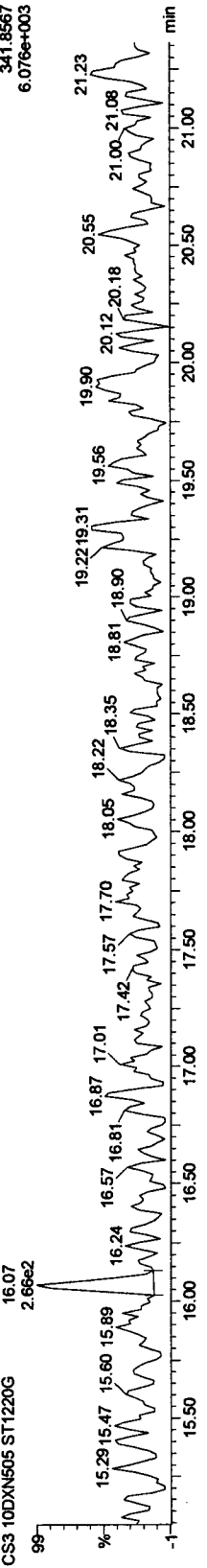
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

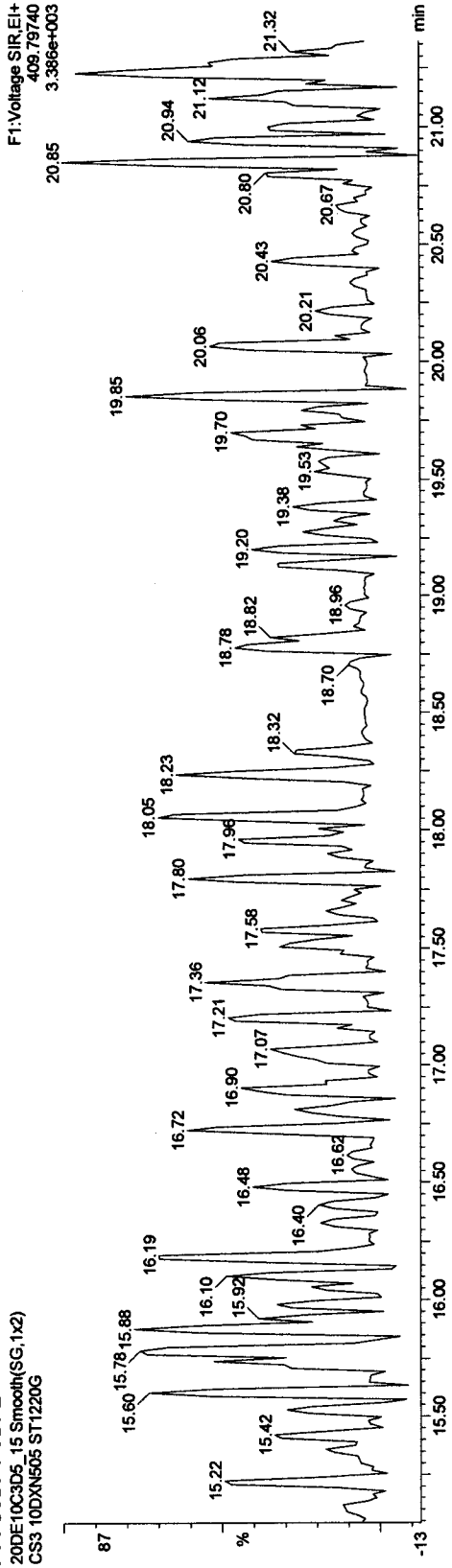
F1 PeCDFs



F1 PeCDF PCDFE



F1 PeCDF PCDFE

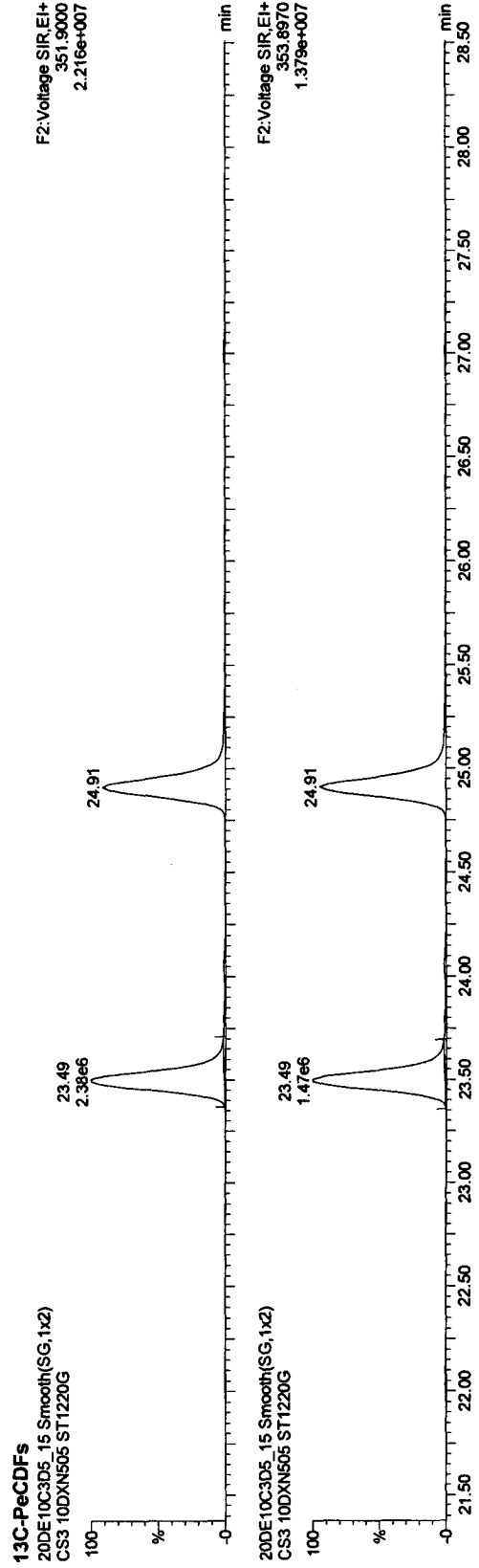
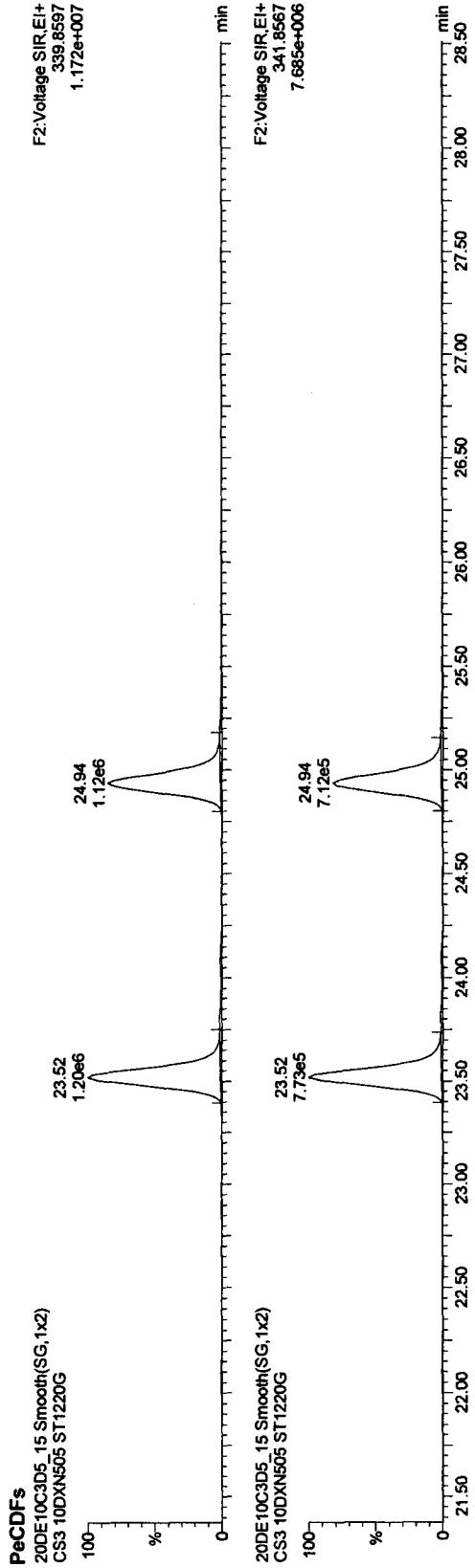


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

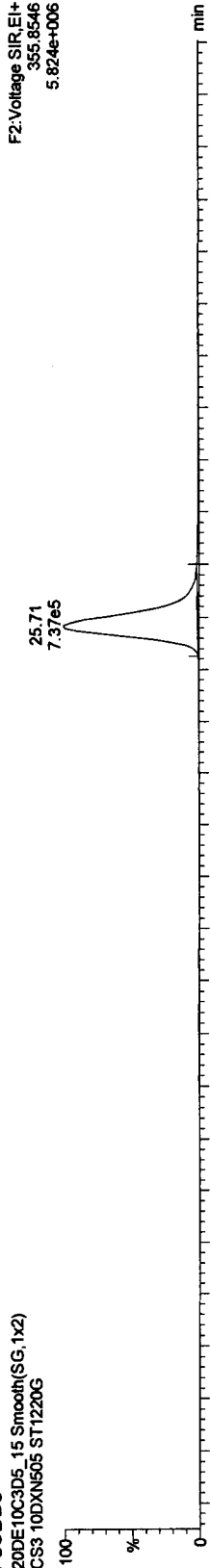
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

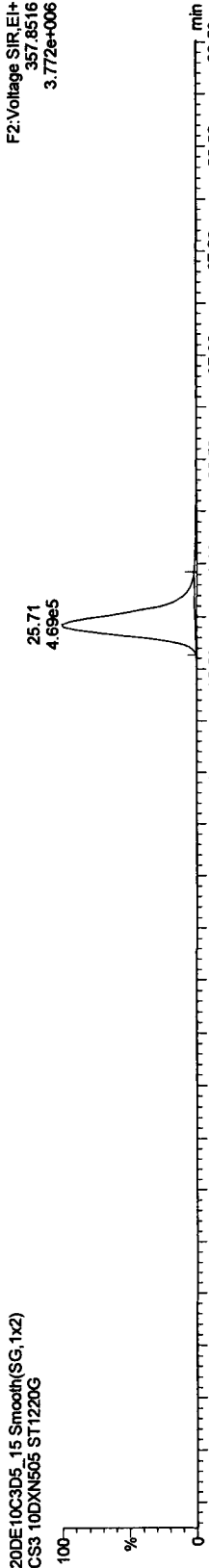
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

PeCDDs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

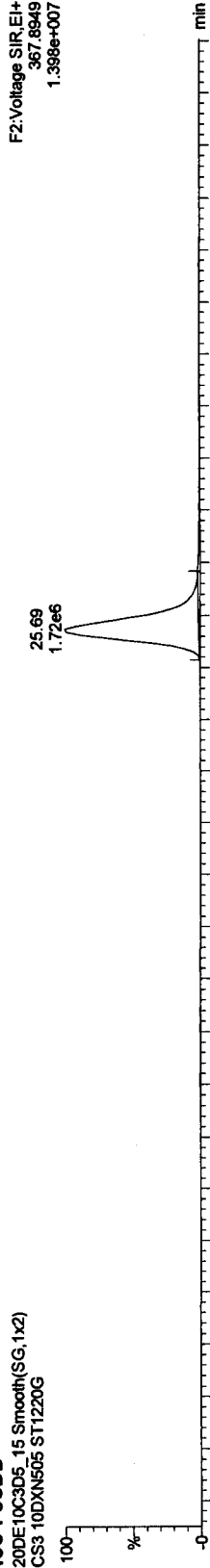


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

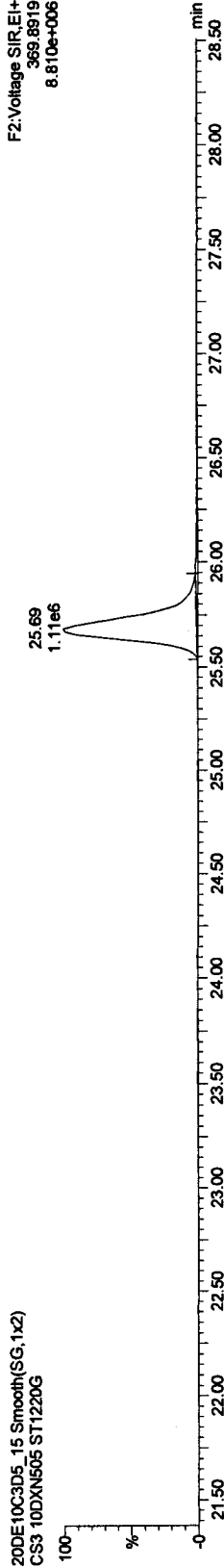


13C-PeCDD

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

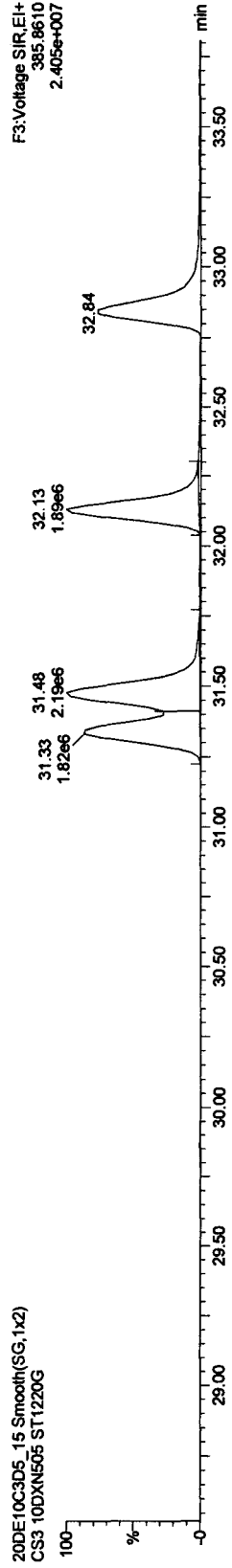
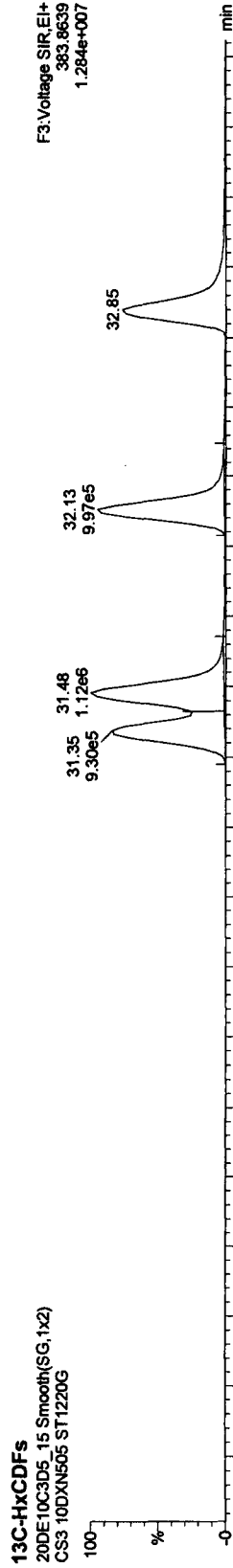
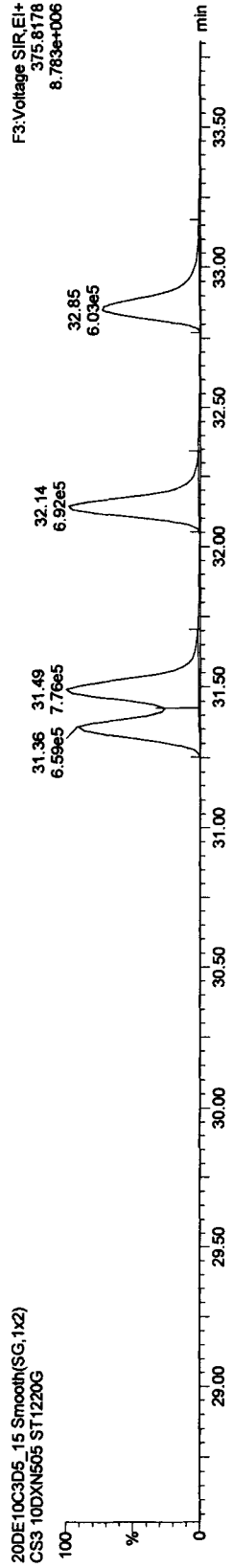
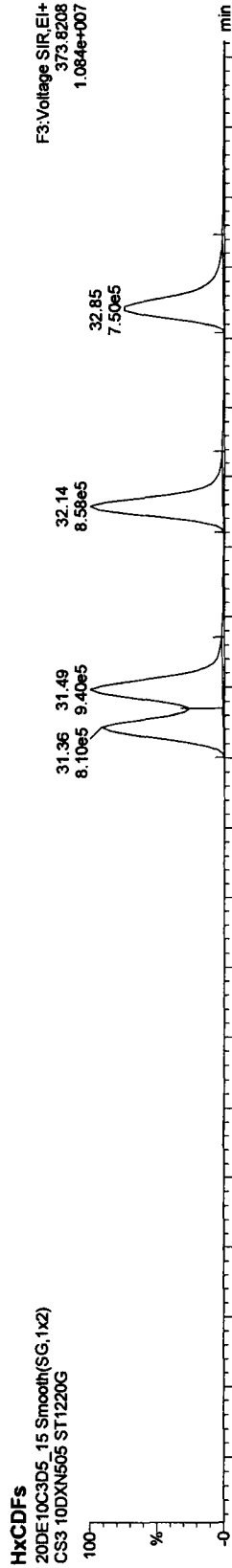


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

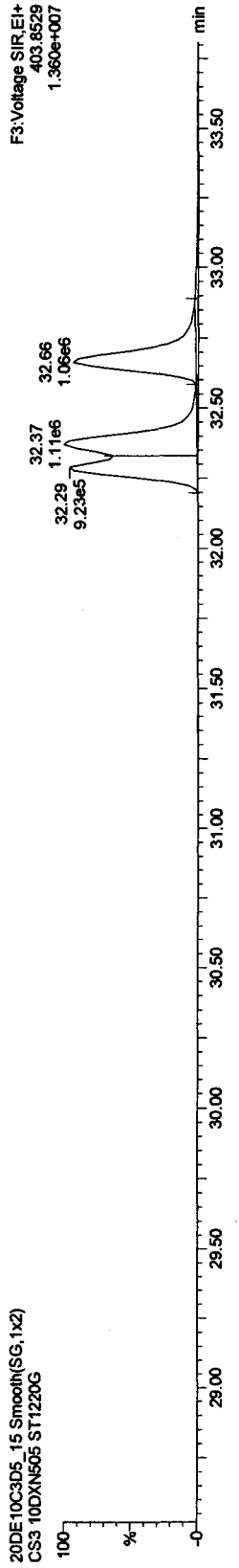
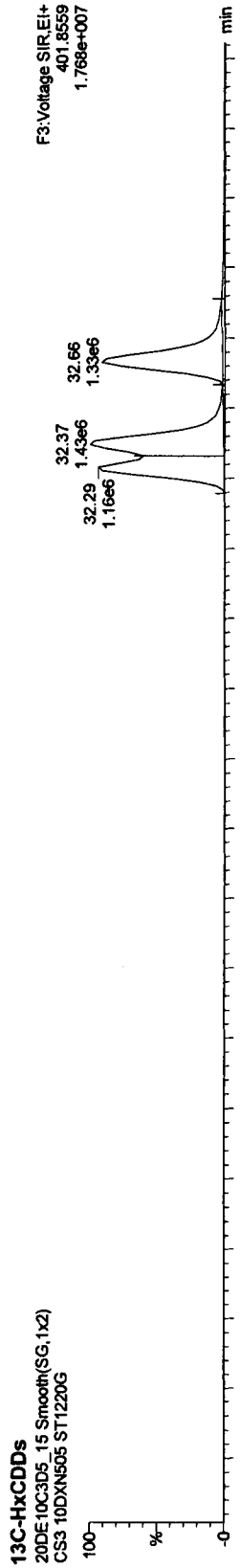
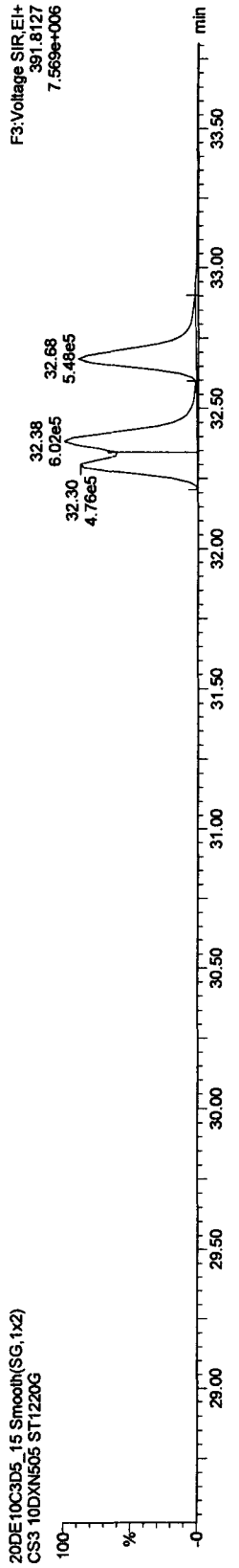
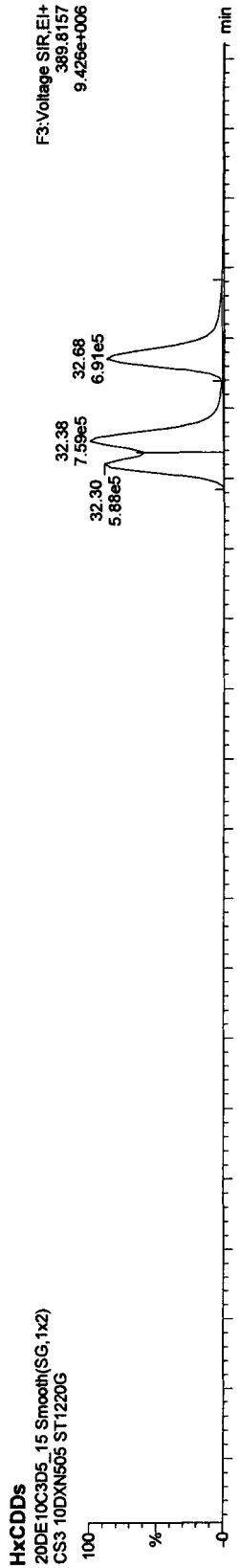


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

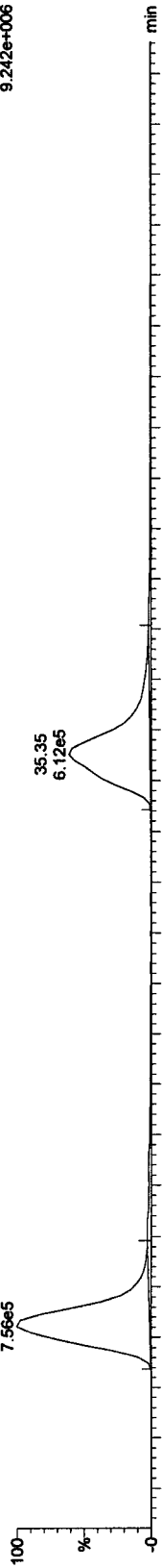
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

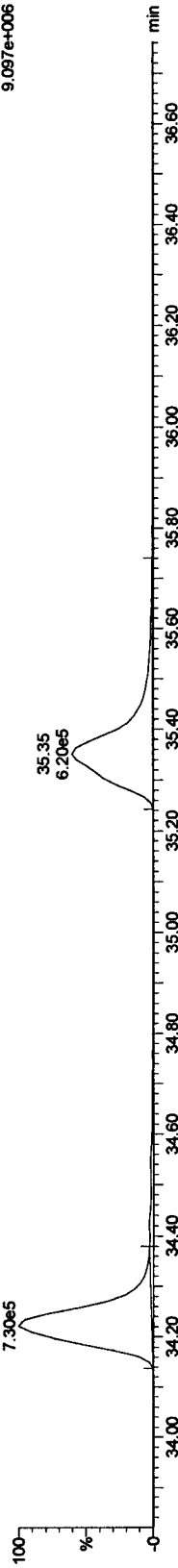
HpCDFs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G 34.22
7.56e5



F4:Voltage SIR,EI+
407.7818
9.242e+006

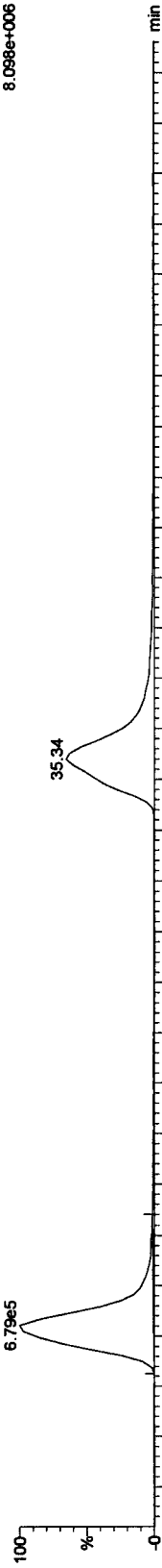
20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G 34.22
7.30e5



F4:Voltage SIR,EI+
409.7789
9.097e+006

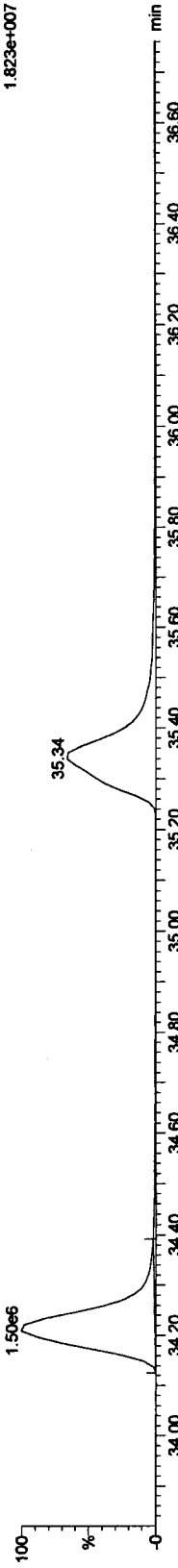
13C-HpCDFs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G 34.22
6.79e5



F4:Voltage SIR,EI+
417.8253
8.098e+006

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G 34.21
1.50e6



F4:Voltage SIR,EI+
419.8220
1.823e+007

Quantify Sample Report MassLynx 4.1

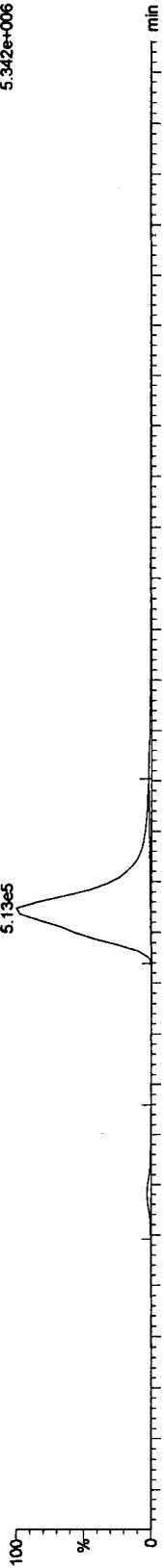
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

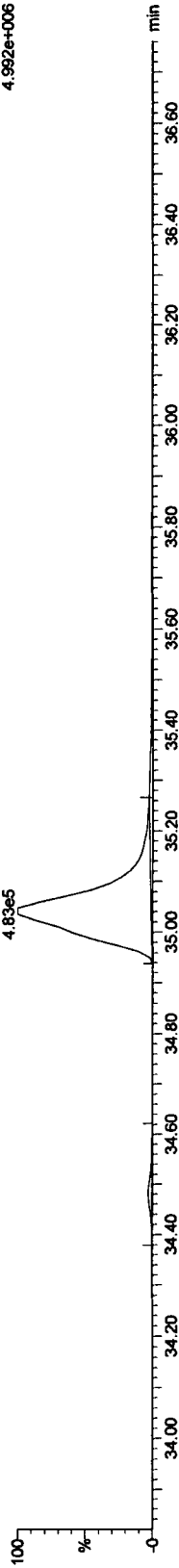
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HpCDDs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

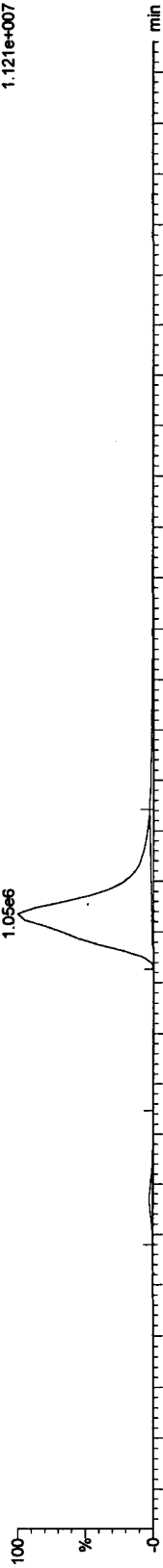


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

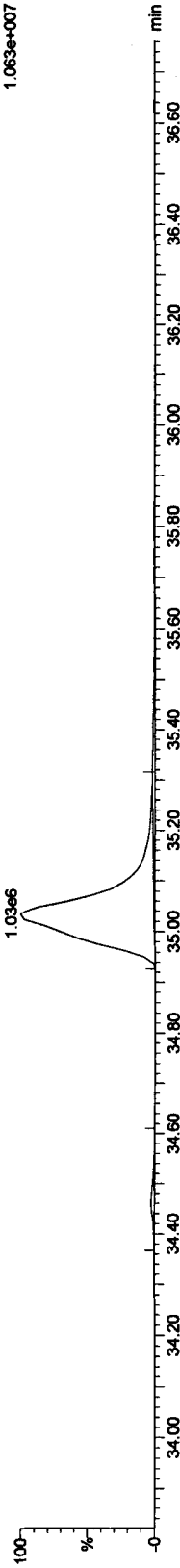


13C-HpCDD

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

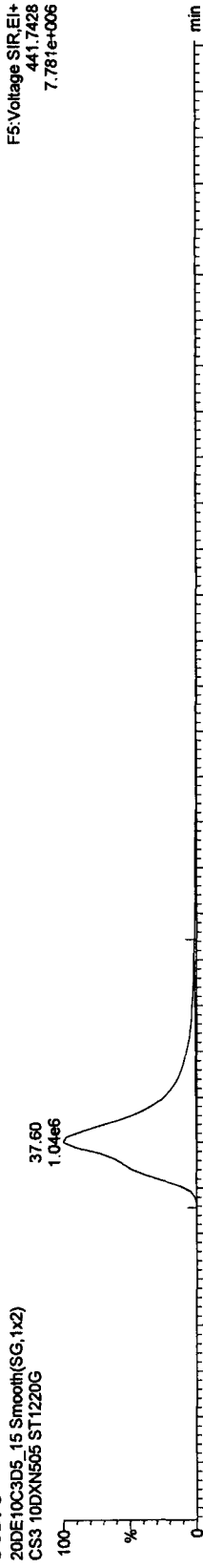
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

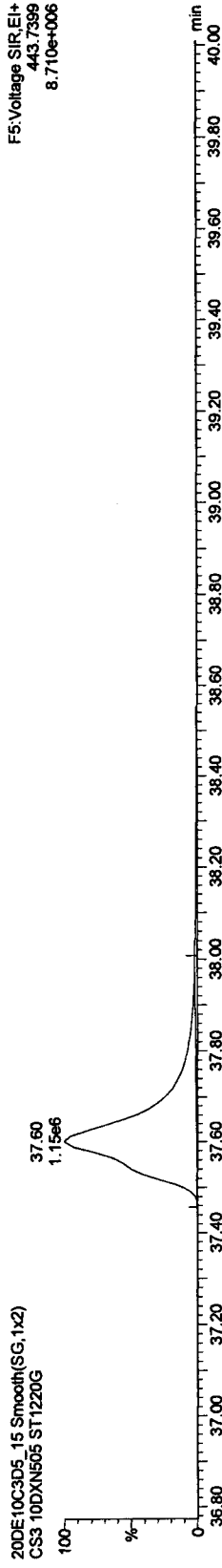
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

OCDFs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

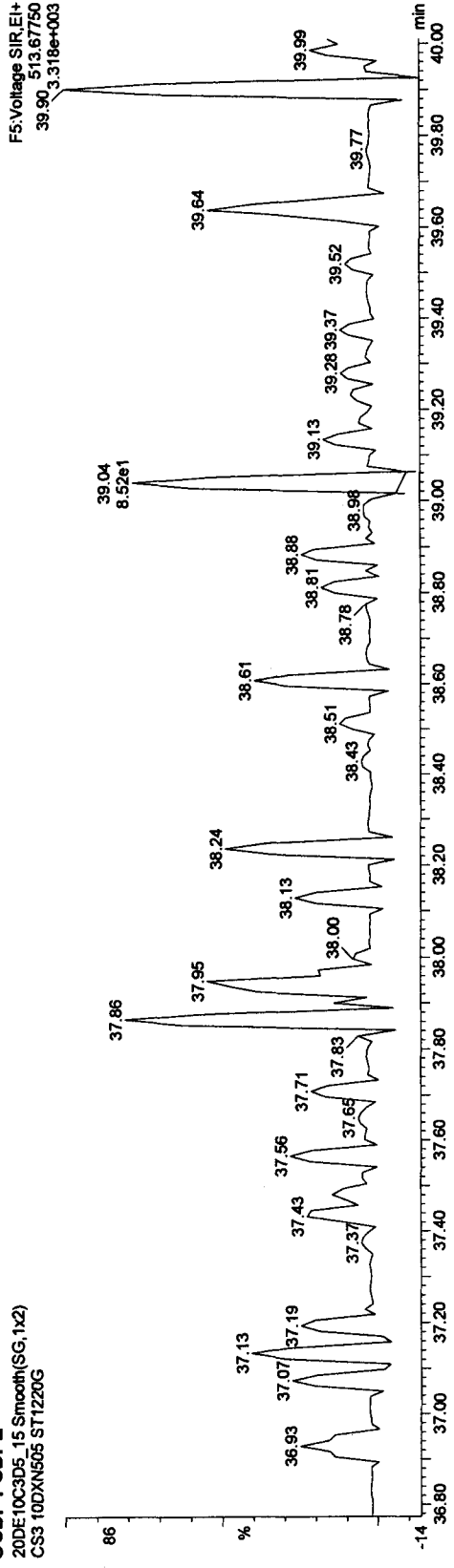


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



OCDF PCDFE

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

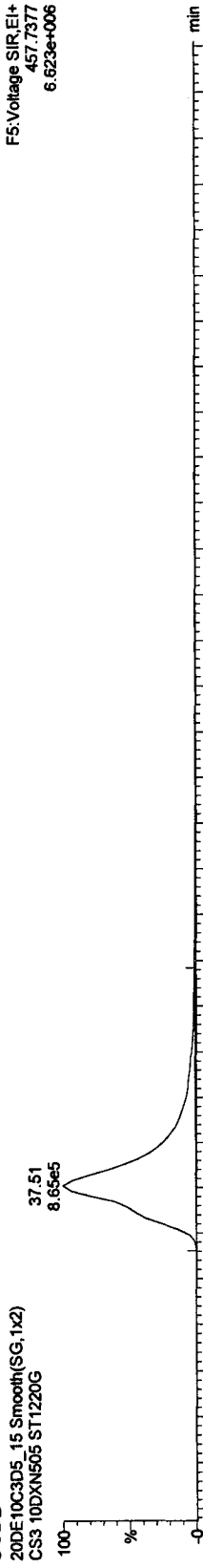
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

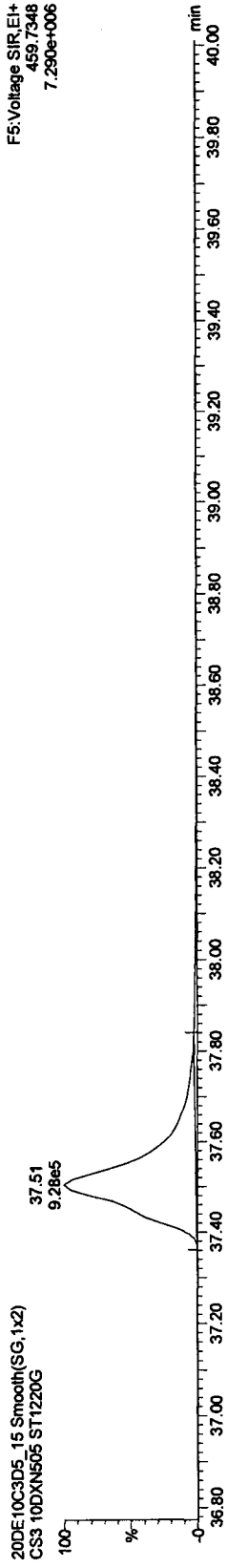
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

OCDD

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

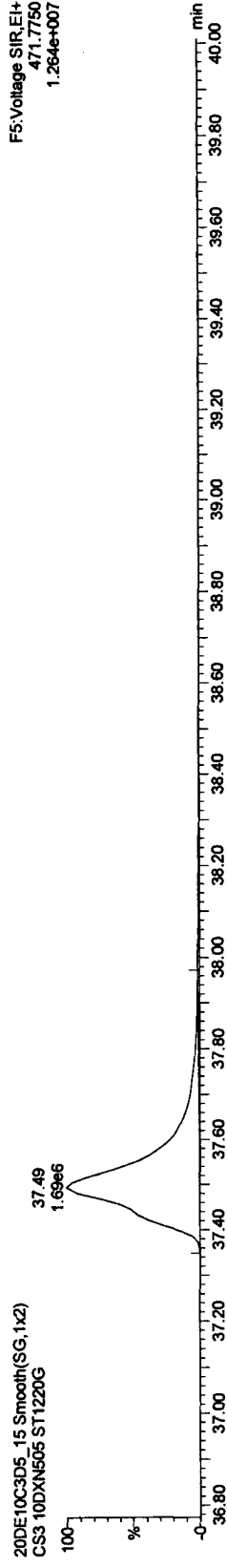


13C-OCDD

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

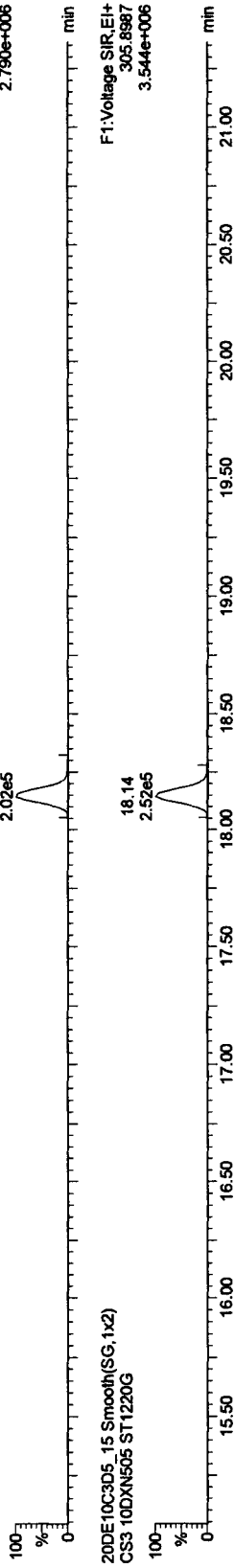
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

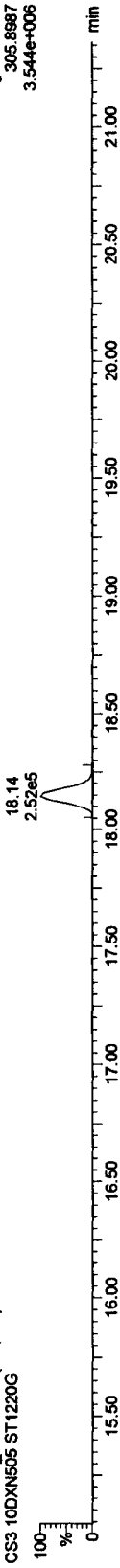
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

TCDFS

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

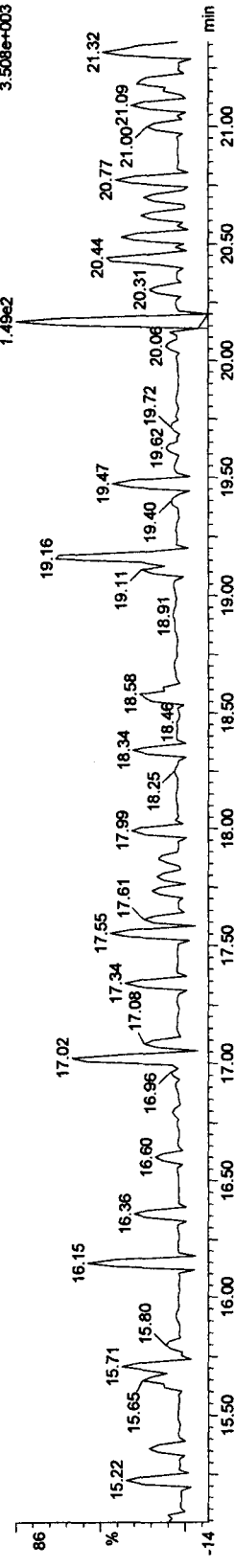


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



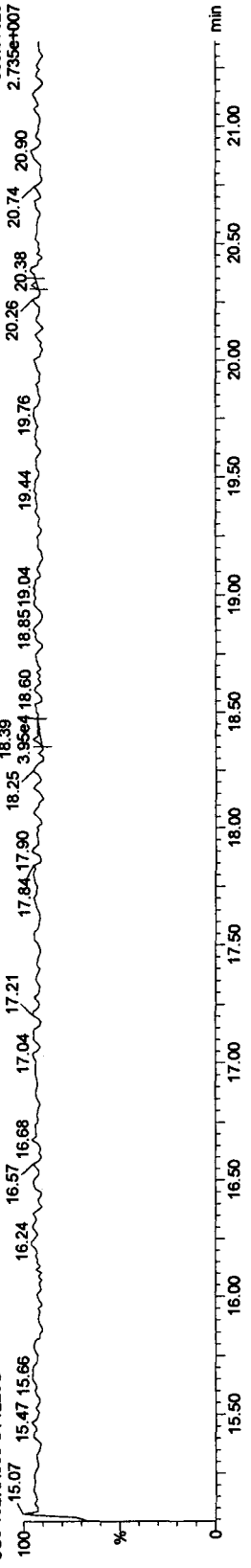
TCDF PCDPE

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Function 1 PFK

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

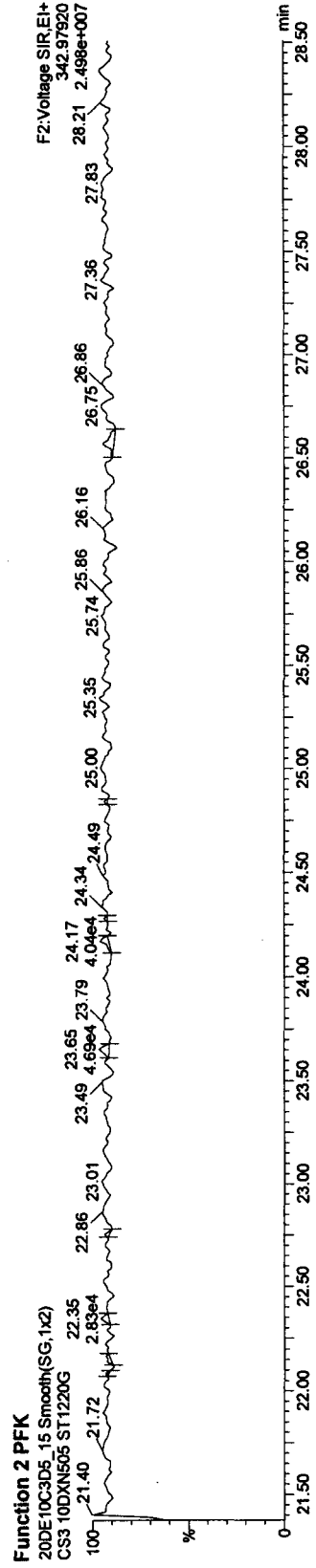
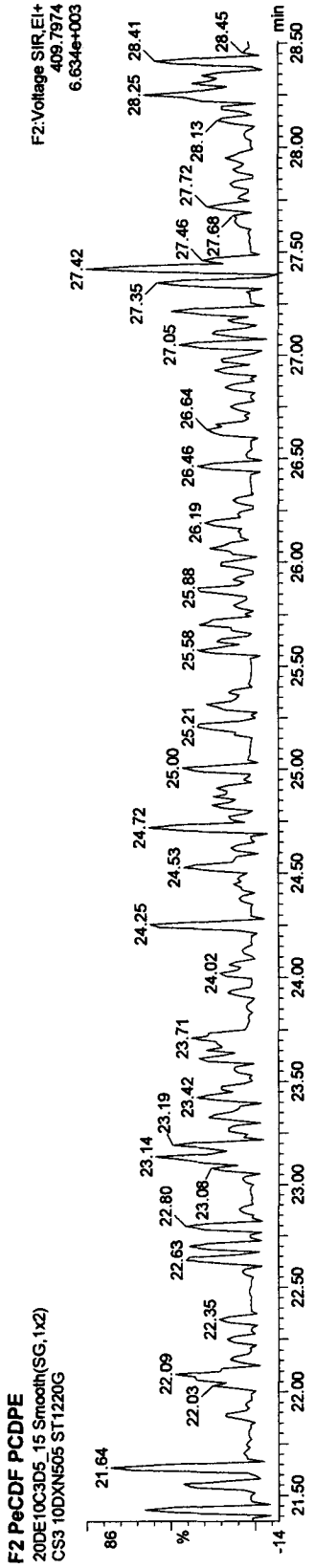
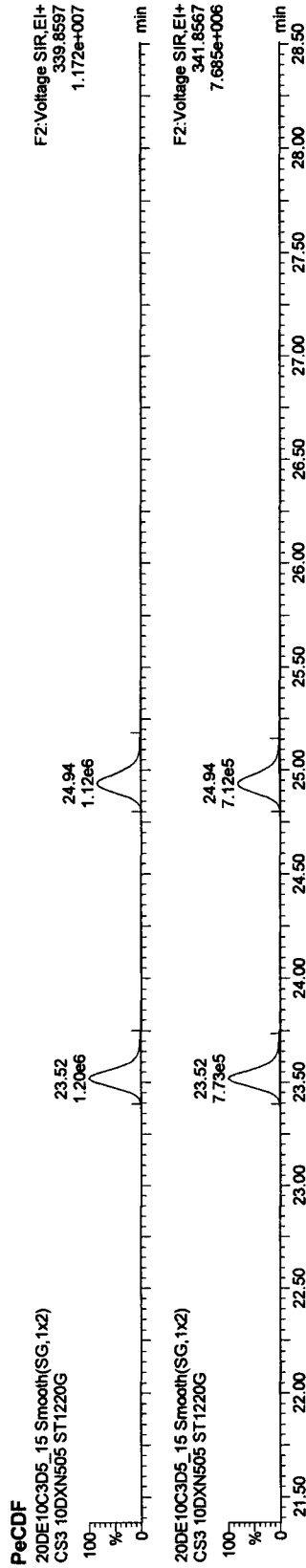


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9F.qld

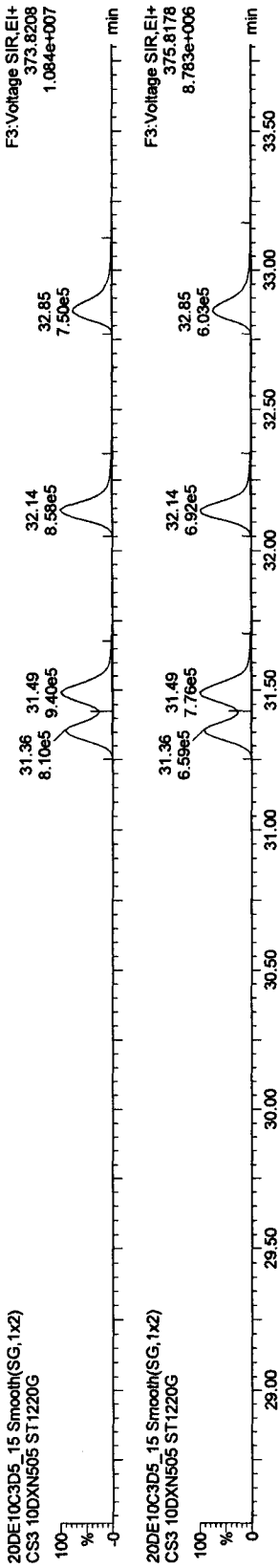
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

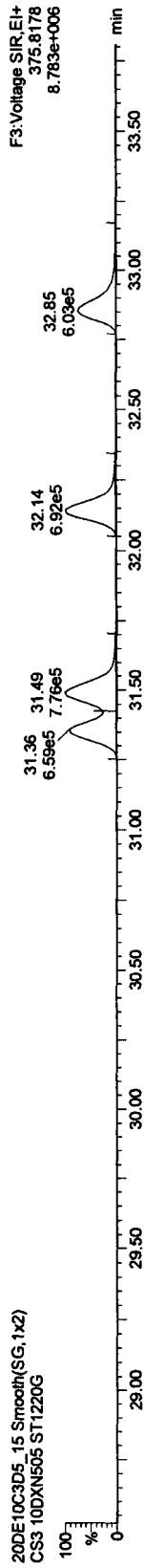
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HxCDFs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G

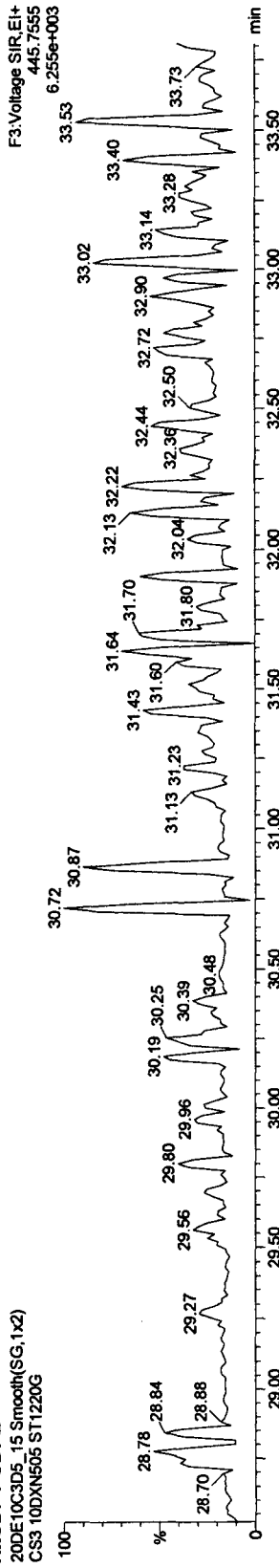


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



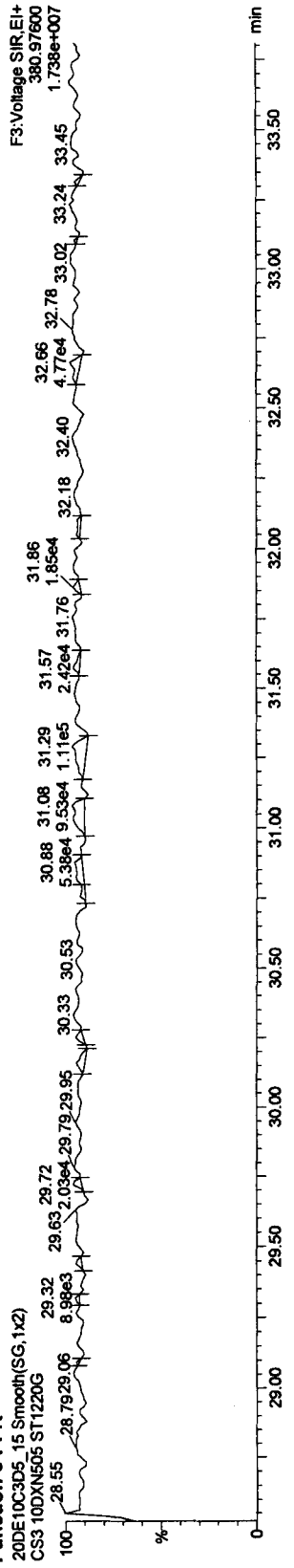
HxCDF PCDFE

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Function 3 PFK

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5T09F.qld

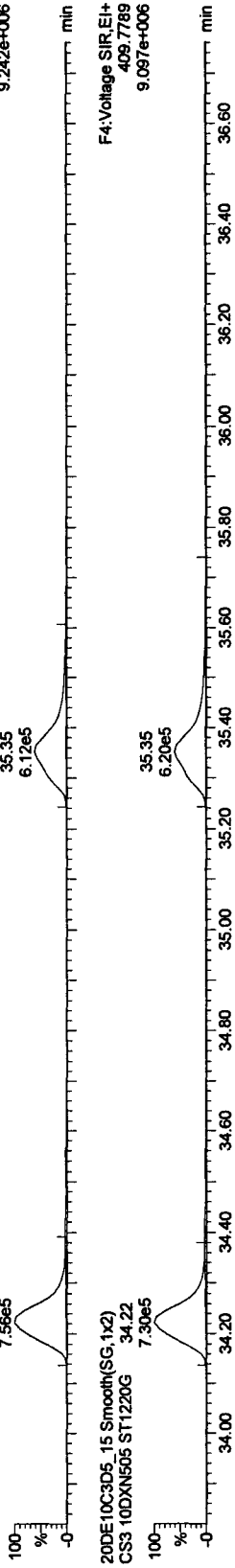
Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time

Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

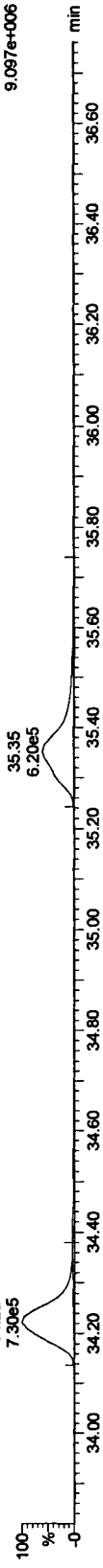
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HpCDFs

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G 34.22
7.56e5

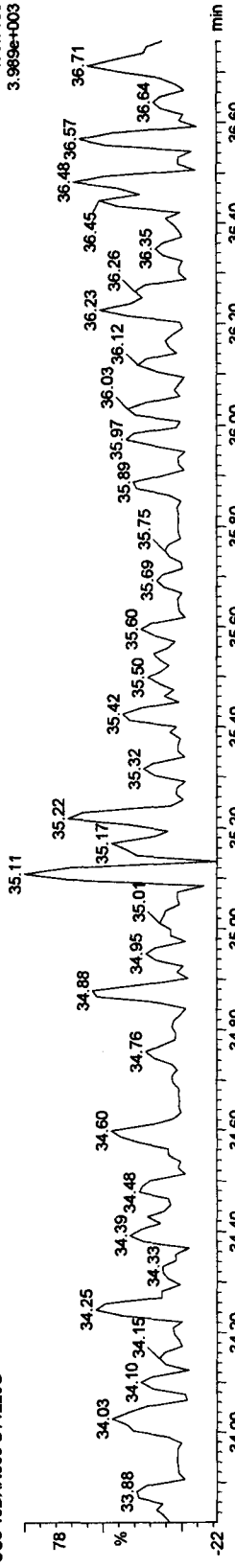


20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G 34.22
7.30e5



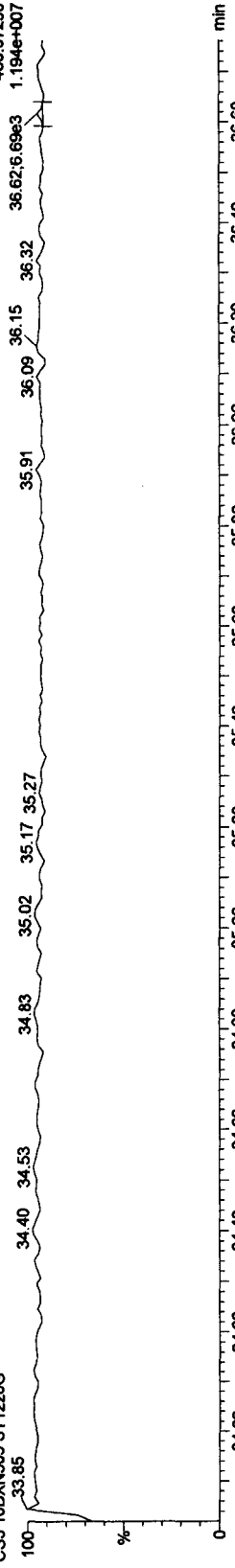
HpCDF PCDFE

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Function 4 PFK

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Quantify Sample Report MassLynx 4.1

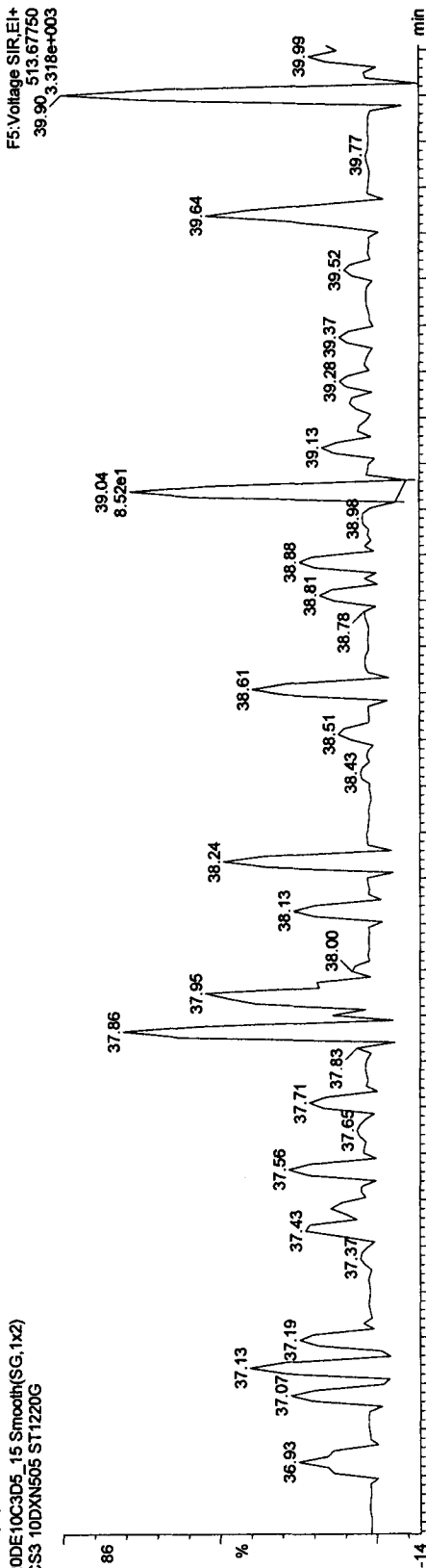
Dataset: C:\MassLynx\UAN2010.PRO\20DE10C3D5T09F.qld

Last Altered: Tuesday, December 21, 2010 08:11:08 Pacific Standard Time
Printed: Tuesday, December 21, 2010 08:12:04 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

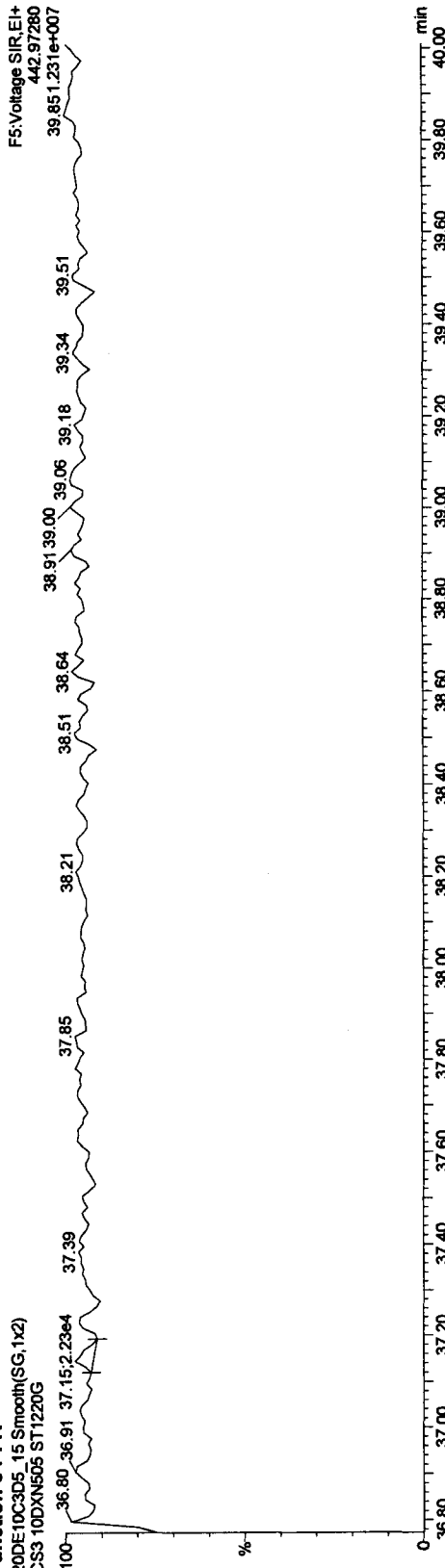
OCDF PCDPE

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Function 5 PFK

20DE10C3D5_15 Smooth(SG,1x2)
CS3 10DXN505 ST1220G



Method ID T09

Associated ICAL DB225AIR1214105D2

Column ID DB-225

Instrument ID 5D2

STD ID ST1218, ST1218A

STD Solution 10DXN505

Analyzed by MG

Date Analyzed 12-18-10

Std. Pkg. By AM

Date Std. Pkg. Assembled 12-18-10

Std. Pkg. Reviewed By AS

Date Std. Pkg. Reviewed 12-20-10

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 \leq method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS:

* Method 8290/TO9/M0023A: (beginning) \leq 20% from curve RRFs for native analytes, \leq 30% from curve RRFs for labeled compounds.

Method 8290/TO9/M0023A: (ending) \leq 25% from curve RRFs for native analytes, \leq 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: ST1218 File text: ST1218 :CS3 10DXN505
Run #6 Filename 18DE105D2 S: 2 I: 1
Acquired: 18-DEC-10 08:25:44 Processed: 18-DEC-10 14:50:03
Run: 18DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2 Results: 18DE105D2DB225AIR

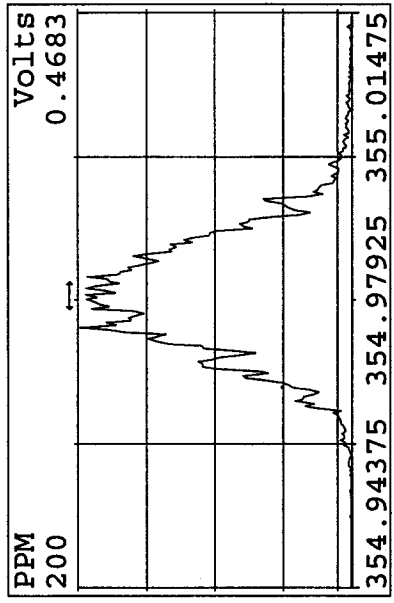
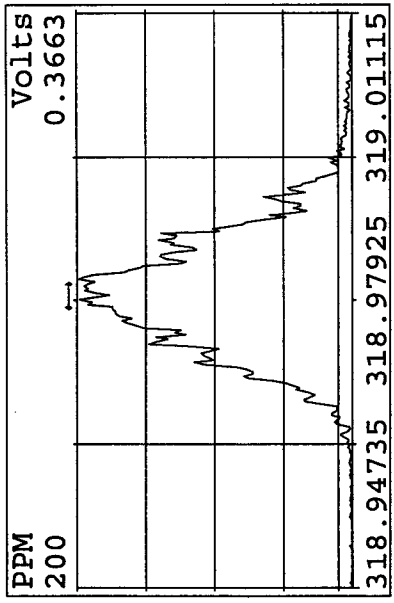
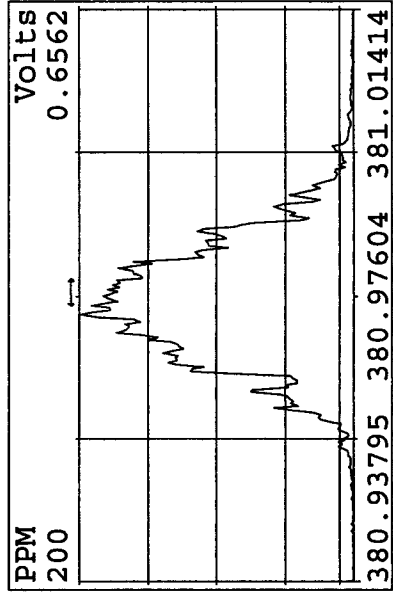
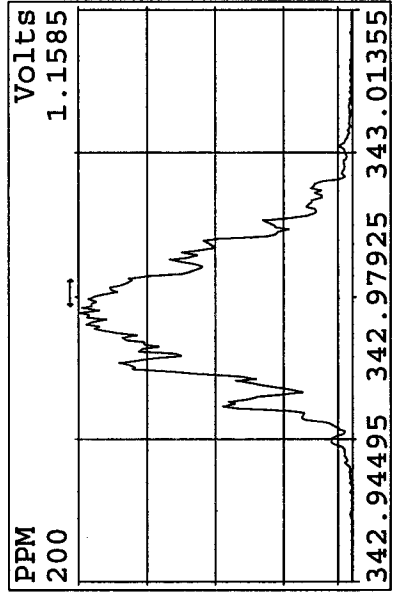
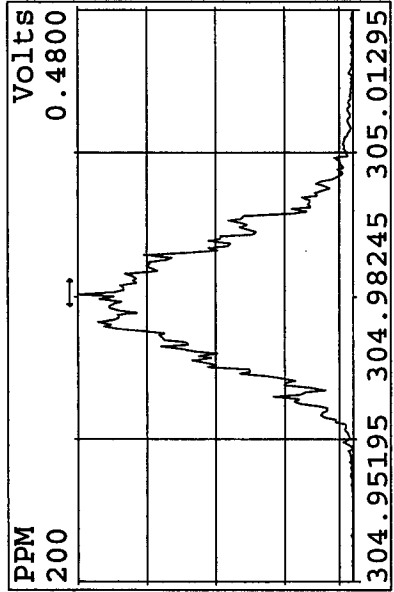
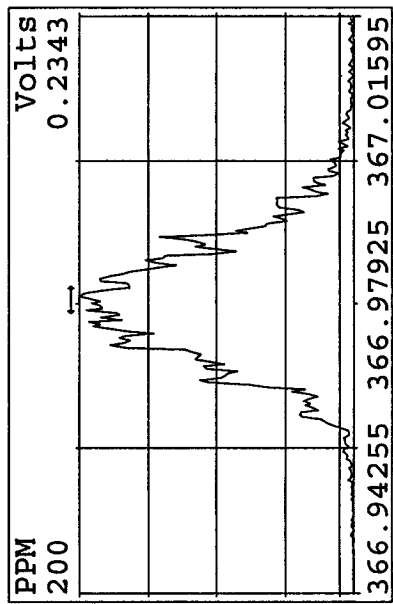
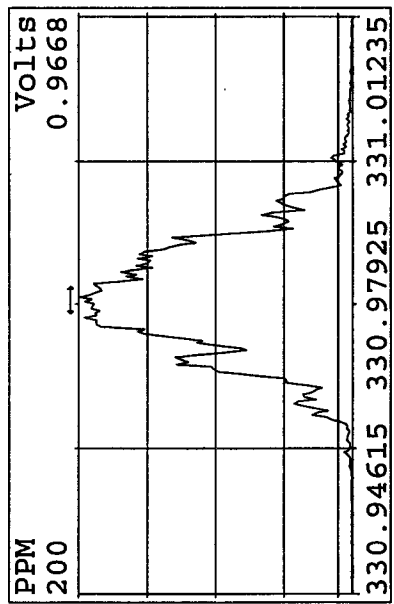
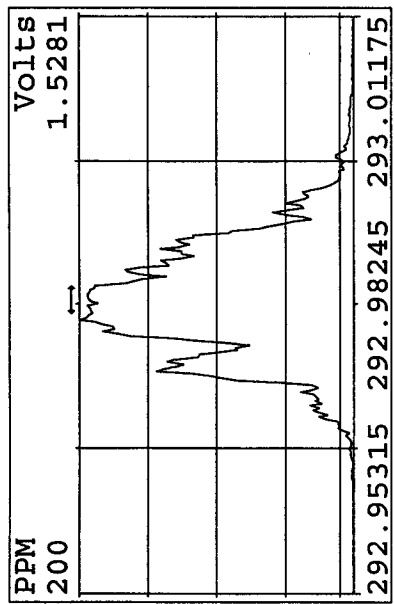
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	129867100	0.80 y	15:16	-	100.00	-	n
13C-2,3,7,8-TCDF	274813000	0.77 y	16:29	2.12	100.00	4.6	n
2,3,7,8-TCDF	24835600	0.77 y	16:30	0.90	10.00	-10.7	n
13C-2,3,7,8-TCDD	129516100	0.78 y	14:57	1.00	100.00	1.2	n
2,3,7,8-TCDD	20151110	0.80 y	14:58	1.56	10.00	-0.4	n
37Cl-2,3,7,8-TCDD	21431000	1.00 y	14:58	1.65	10.00	-6.7	n

Run text: ST1218A File text: ST1218A :CS3 10DXN505
Run #12 Filename 18DE105D2 S: 18 I: 1
Acquired: 18-DEC-10 18:08:10 Processed: 18-DEC-10 20:46:42
Run: 18DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2 Results: 18DE105D2DB225AIR

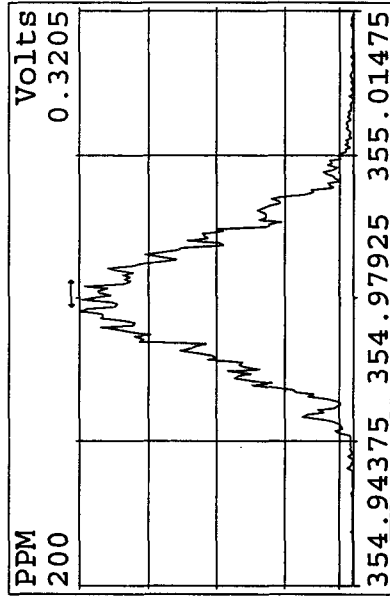
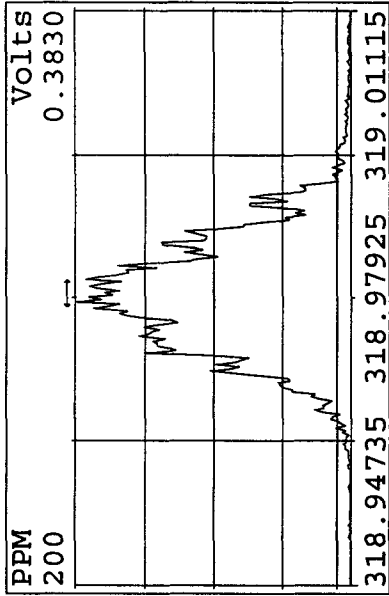
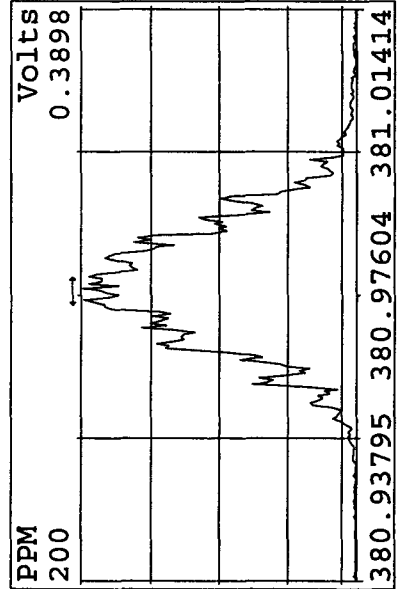
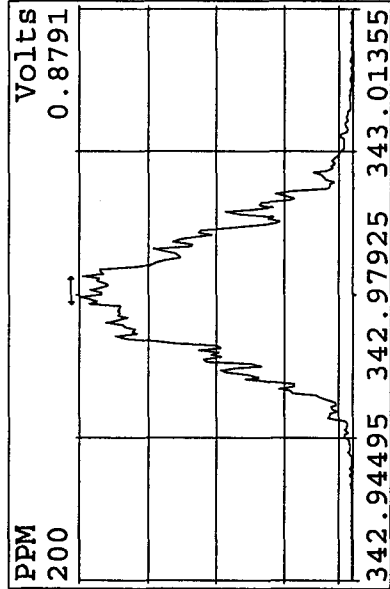
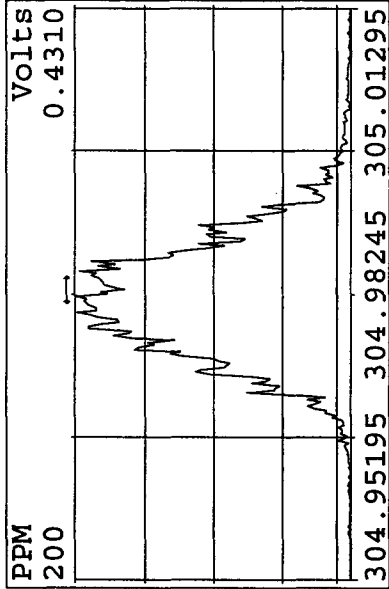
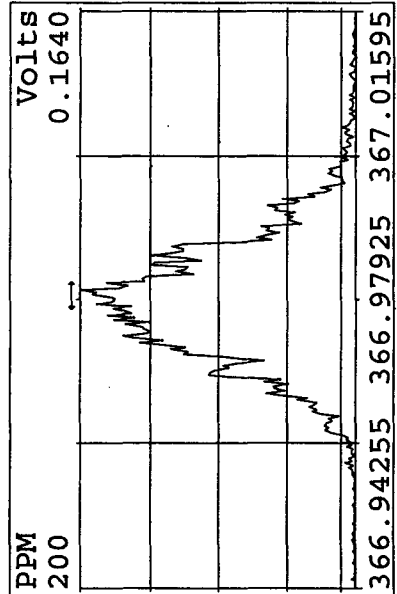
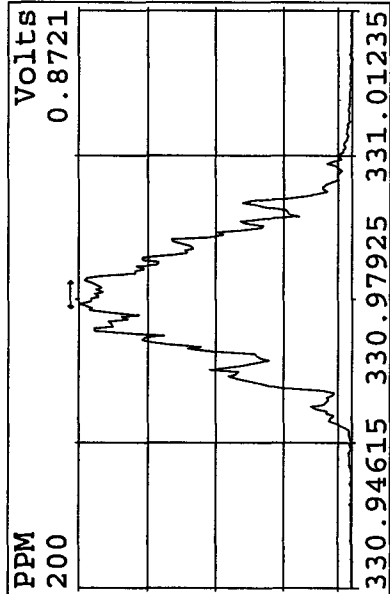
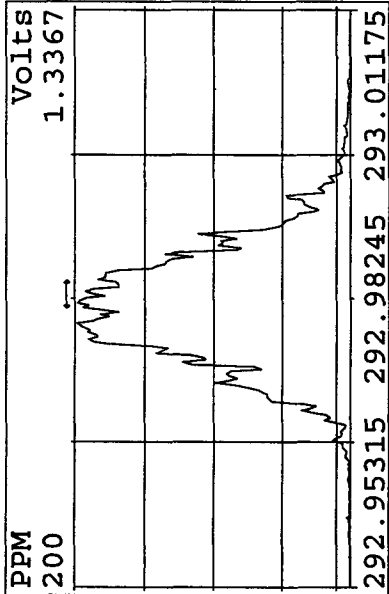
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	139808500	0.79 y	15:14	-	100.00	-	n
13C-2,3,7,8-TCDF	308176000	0.78 y	16:27	2.20	100.00	9.0	n
2,3,7,8-TCDF	26509300	0.74 y	16:28	0.86	10.00	-15.0	n
13C-2,3,7,8-TCDD	142223400	0.79 y	14:55	1.02	100.00	3.3	n
2,3,7,8-TCDD	22660830	0.77 y	14:56	1.59	10.00	2.0	n
37Cl-2,3,7,8-TCDD	23455800	1.00 y	14:56	1.65	10.00	-7.0	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
18DE105D2	1	CP1218	DB-225 CPSM 3732-11				1.0000	
18DE105D2	2	ST1218	CS3 10DXN505				1.0000	
18DE105D2	3	SB1218	Solvent Blank C-14				1.0000	
18DE105D2	4	MCCT8-1-AA	G0L140569-1	20	8290/SOLID	41	10.2700	g
18DE105D2	5	MCCVA-1-AA	G0L140569-2	20	8290/SOLID		10.8200	g
18DE105D2	6	MCCVD-1-AA	G0L140569-3	20	8290/SOLID		10.3000	g
18DE105D2	7	MCAHW-1-AA	G0L140439-2	20	TO-9/AIR	40	0.5000	Sam
18DE105D2	8	MCAH3-1-AA	G0L140439-5	20	TO-9/AIR		0.5000	Sam
18DE105D2	9	MCAH7-1-AA	G0L140439-8	20	TO-9/AIR		0.5000	Sam
18DE105D2	10	MCAJC-1-AA	G0L140439-11	20	TO-9/AIR		0.5000	Sam
18DE105D2	11	MCCVE-1-AA	G0L140569-4	20	8290/SOLID	41	10.9900	g
18DE105D2	12	MCCVF-1-AA	G0L140569-5	20	8290/SOLID		10.3300	g
18DE105D2	13	MCCVJ-1-AA	G0L140569-6	20	8290/SOLID		10.6900	g
18DE105D2	14	MCCVK-1-AA	G0L140569-7	20	8290/SOLID		10.7100	g
18DE105D2	15	MCCVL-1-AA	G0L140569-8	20	8290/SOLID		10.8000	g
18DE105D2	16	MCCVN-1-AA	G0L140569-9	20	8290/SOLID		10.6100	g
18DE105D2	17	SB1218A	Solvent Blank C-14				1.0000	
18DE105D2	18	ST1218A	CS3 10DXN505				1.0000	
18DE105D2	19						1.0000	
18DE105D2	20						1.0000	
18DE105D2	21						1.0000	
18DE105D2	22		MG 12/18/10				1.0000	

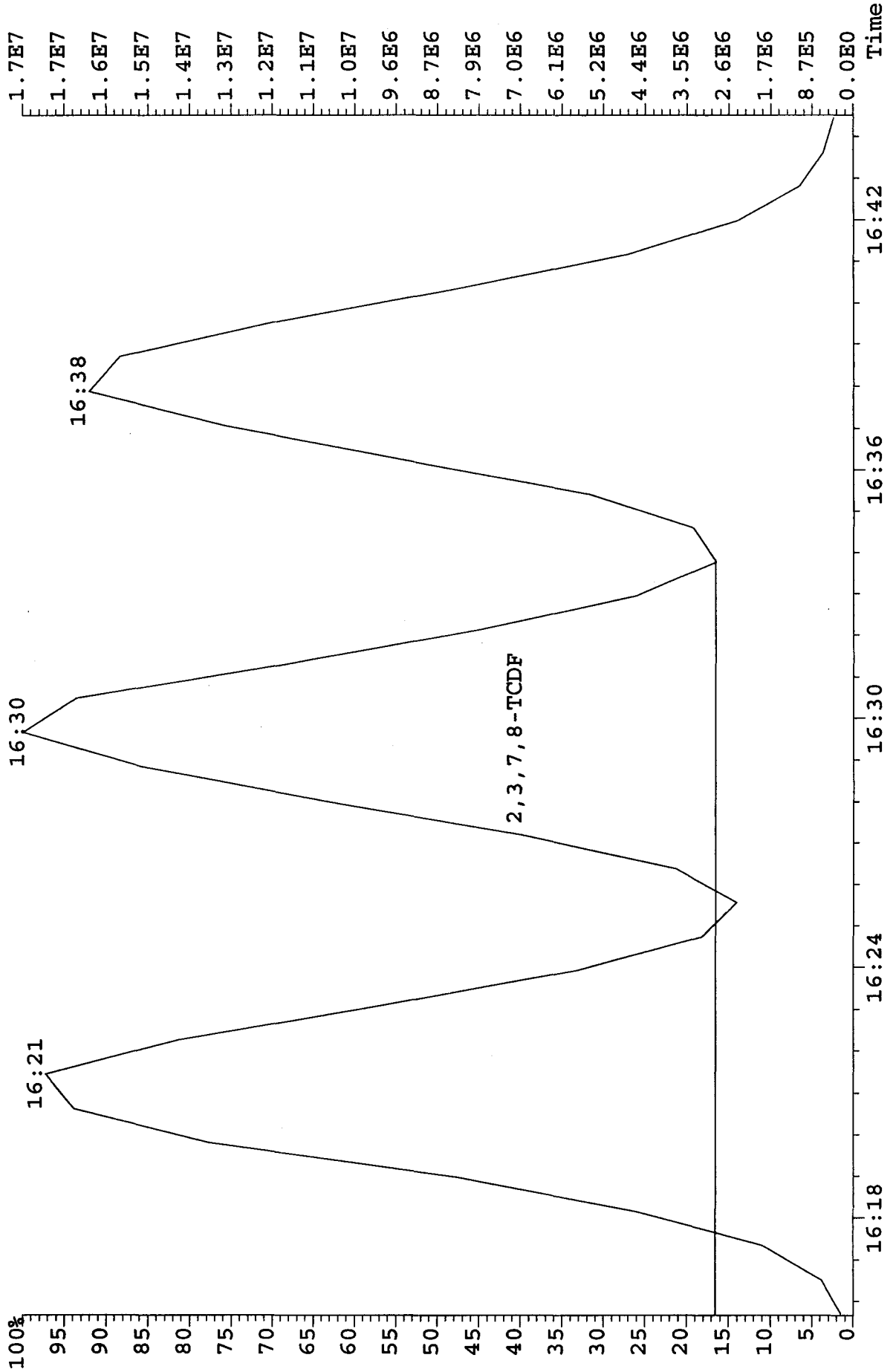
Peak Locate Examination:18-DEC-2010:07:47 File:18DE105D2
 Experiment:DB225RES Function:1 Reference:PFK



Peak Locate Examination:18-DEC-2010:19:07 File:RESCHECK5D2
 Experiment:DB225RES Function:1 Reference:PFK



File:18DE105D2 #1-1242 Acq:18-DEC-2010 07:49:23 GC EI+ Voltage SIR 70SE
305.8987 Exp:DB225RES



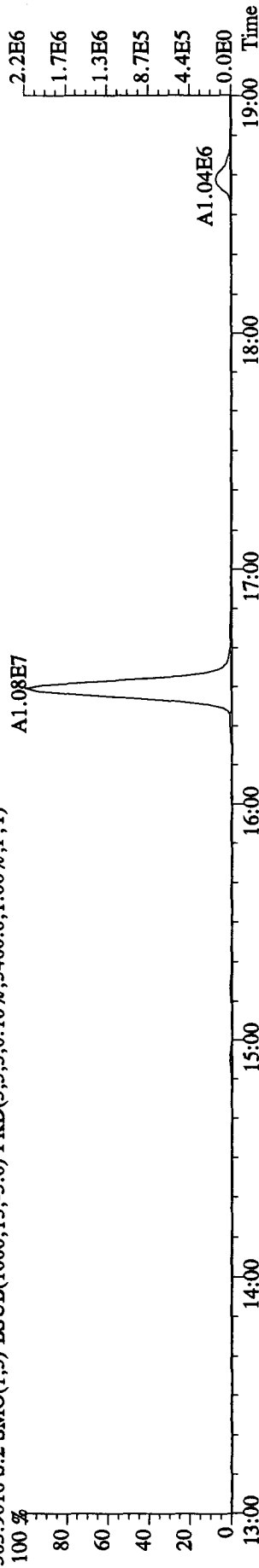
Run: 18DE105D2 Analyte: DB225AIR Cal: DB225AIR1214105D2

ST1214 :10DXN503 CS11214 KSS ST1214A :10DXN504 CS21214A ST1214B :10DXN505 CS31414B
 ST1214C :10DXN506 CS41214C ST1214D :10DXN507 CS51214D

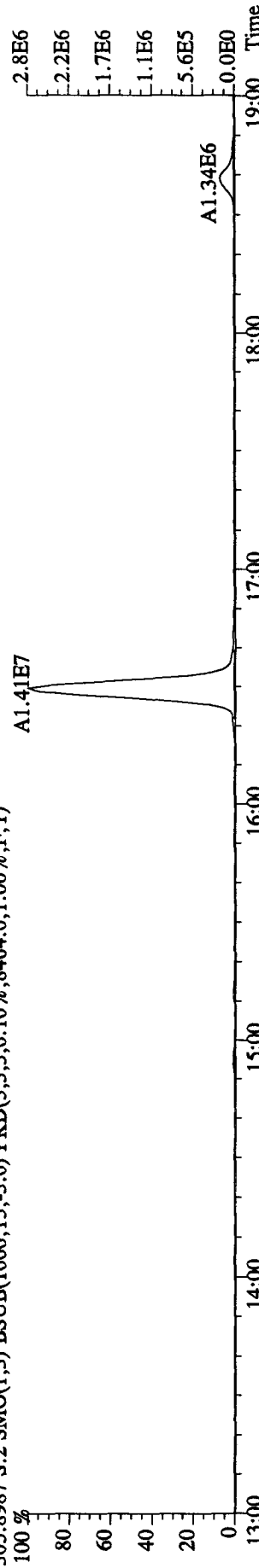
14DE10B5D214DE10B5D214DE10B5D214DE10B5D214DE10B5D214DE10B5D2

Name	Mean	S. D.	%RSD	S3	S4	S5	S6	S7
			%	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

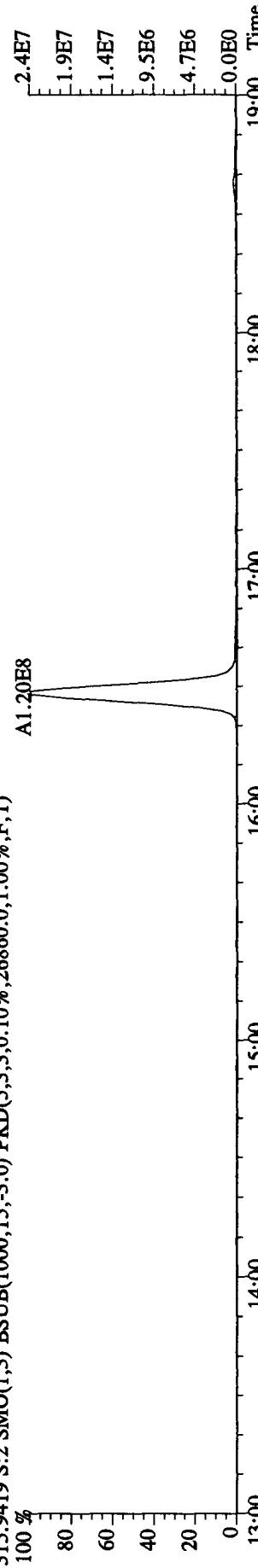
File:18DE105D2 #1-1242 Acq:18-DEC-2010 08:25:44 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1218 :CS3 10DXN505 Exp:DB225RHS
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5460.0,1.00%,F,T)



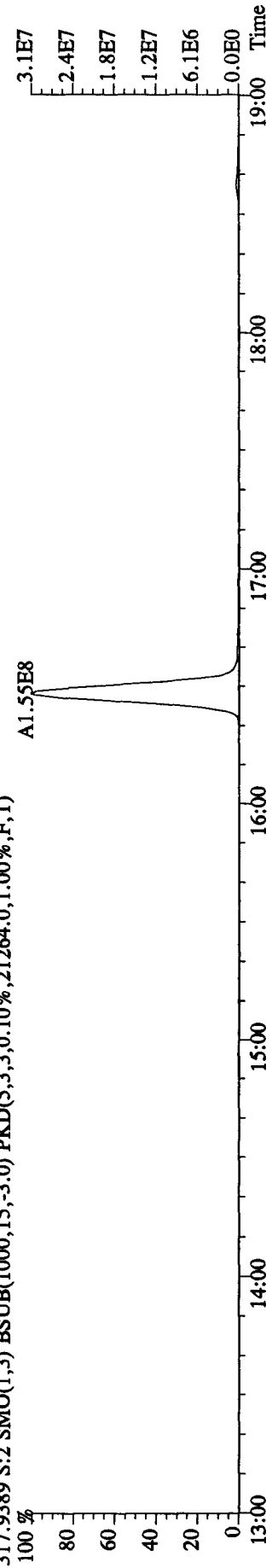
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8464.0,1.00%,F,T)



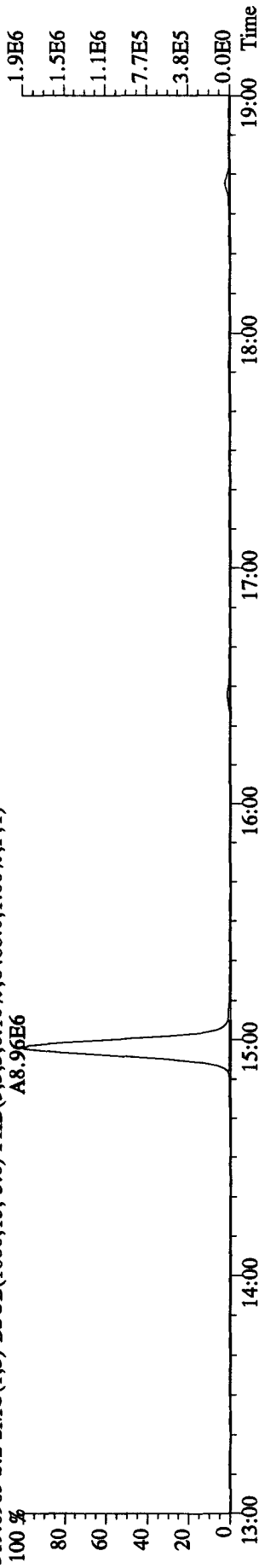
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26860.0,1.00%,F,T)



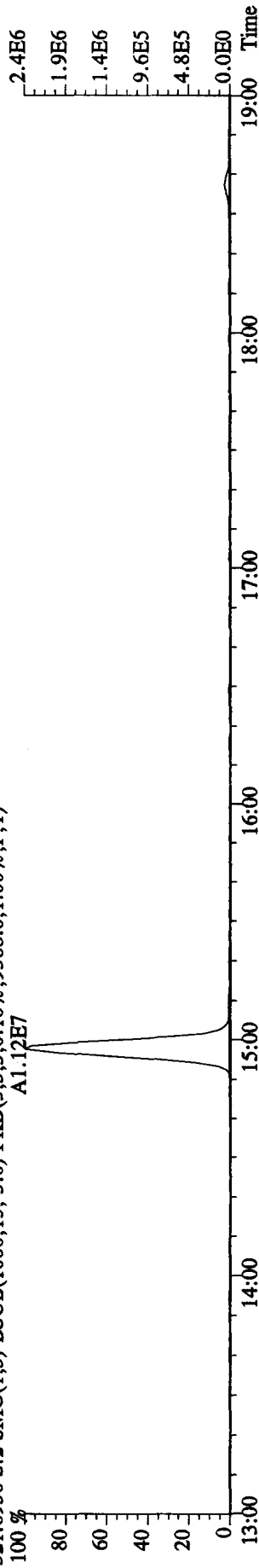
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21264.0,1.00%,F,T)



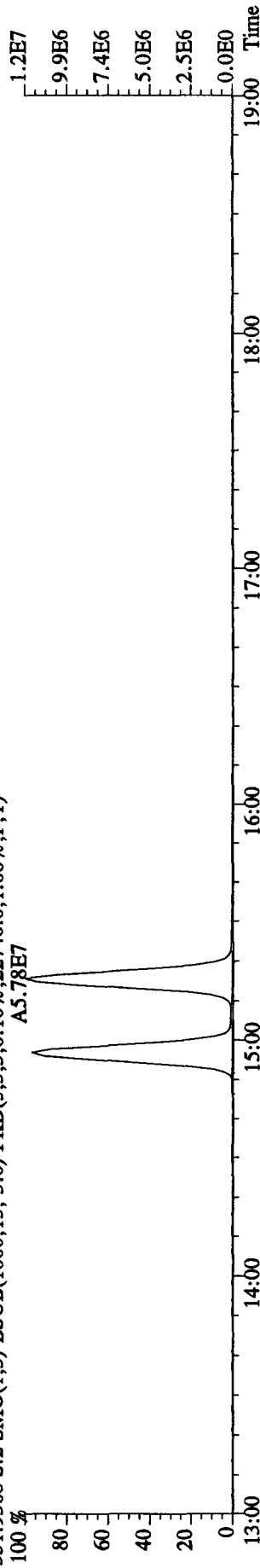
File:18DE105D2 #1-1242 Acq:18-DEC-2010 08:25:44 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1218 :CS3 10DXN505 Exp:DB225RES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6488.0,1.00%,F,T)
 100 % A8.96E6



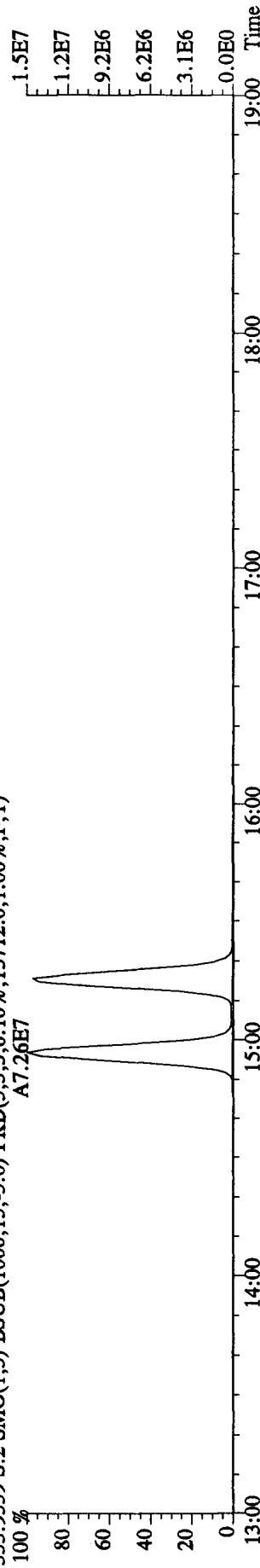
321.8936 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9388.0,1.00%,F,T)
 100 % A1.12E7



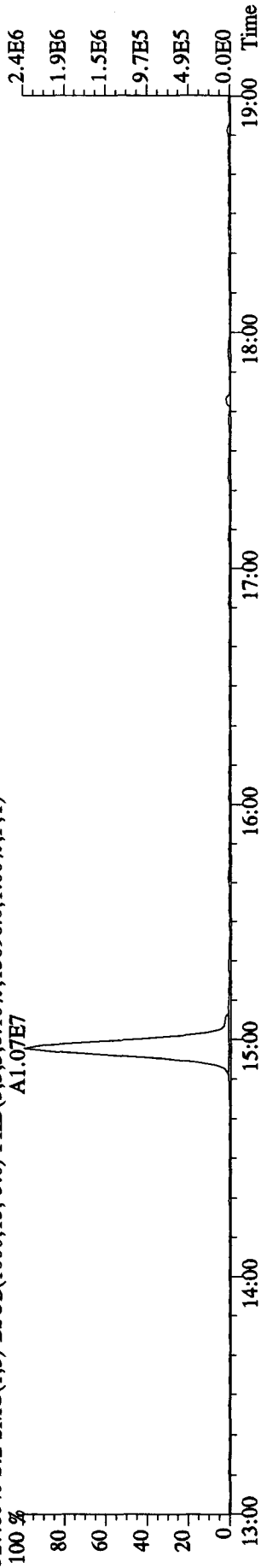
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22740.0,1.00%,F,T)
 100 % A5.78E7



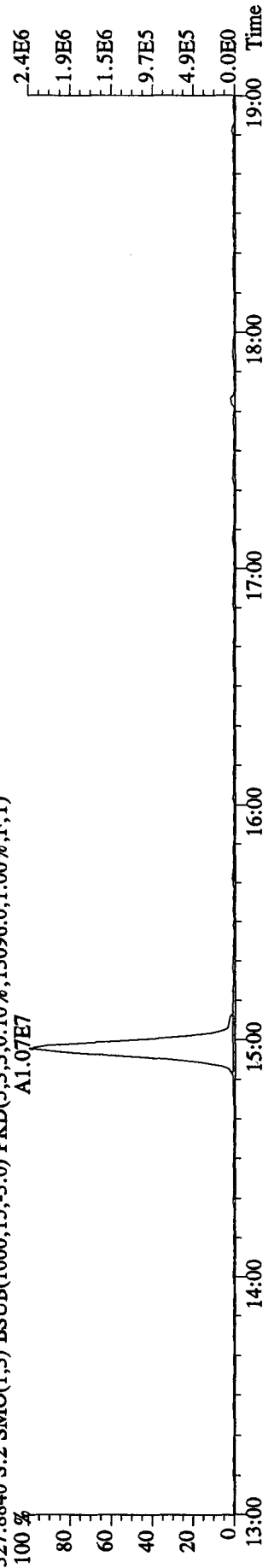
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15712.0,1.00%,F,T)
 100 % A7.26E7



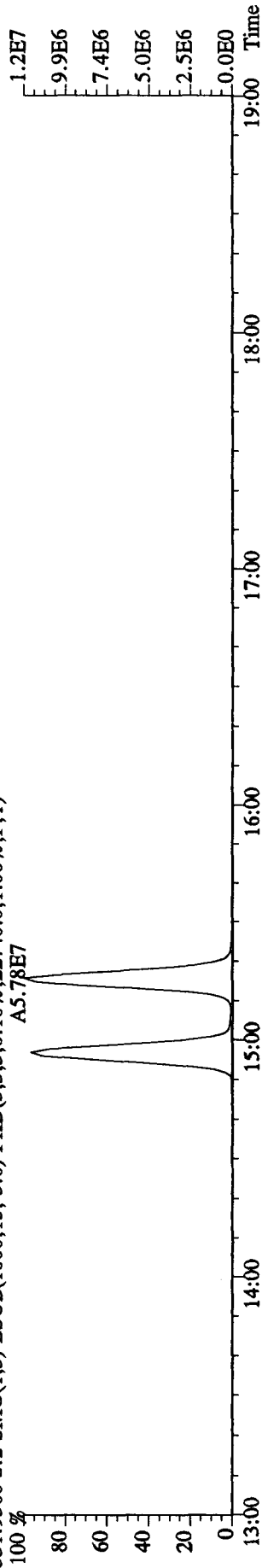
File:18DE105D2 #1-1242 Acq:18-DEC-2010 08:25:44 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1218 :CS3 I0DXN505 Exp:DB225RES
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13096.0,1.00%,F,T)
 100 % A1.07E7



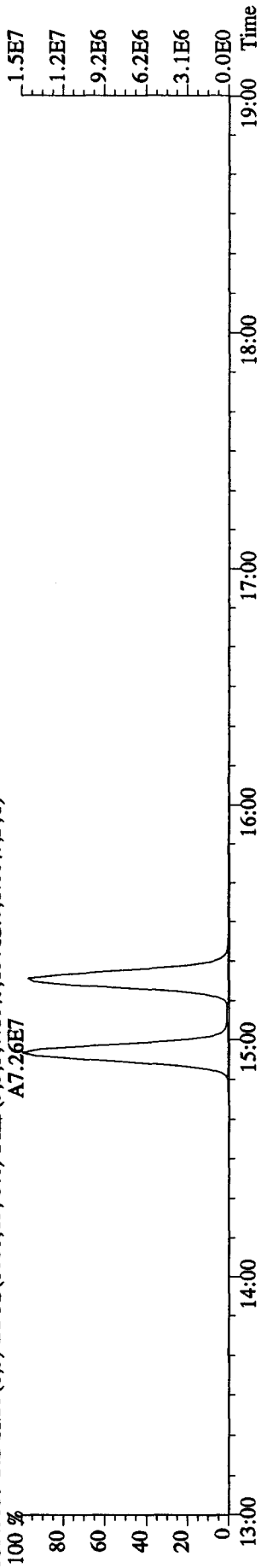
327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13096.0,1.00%,F,T)
 100 % A1.07E7



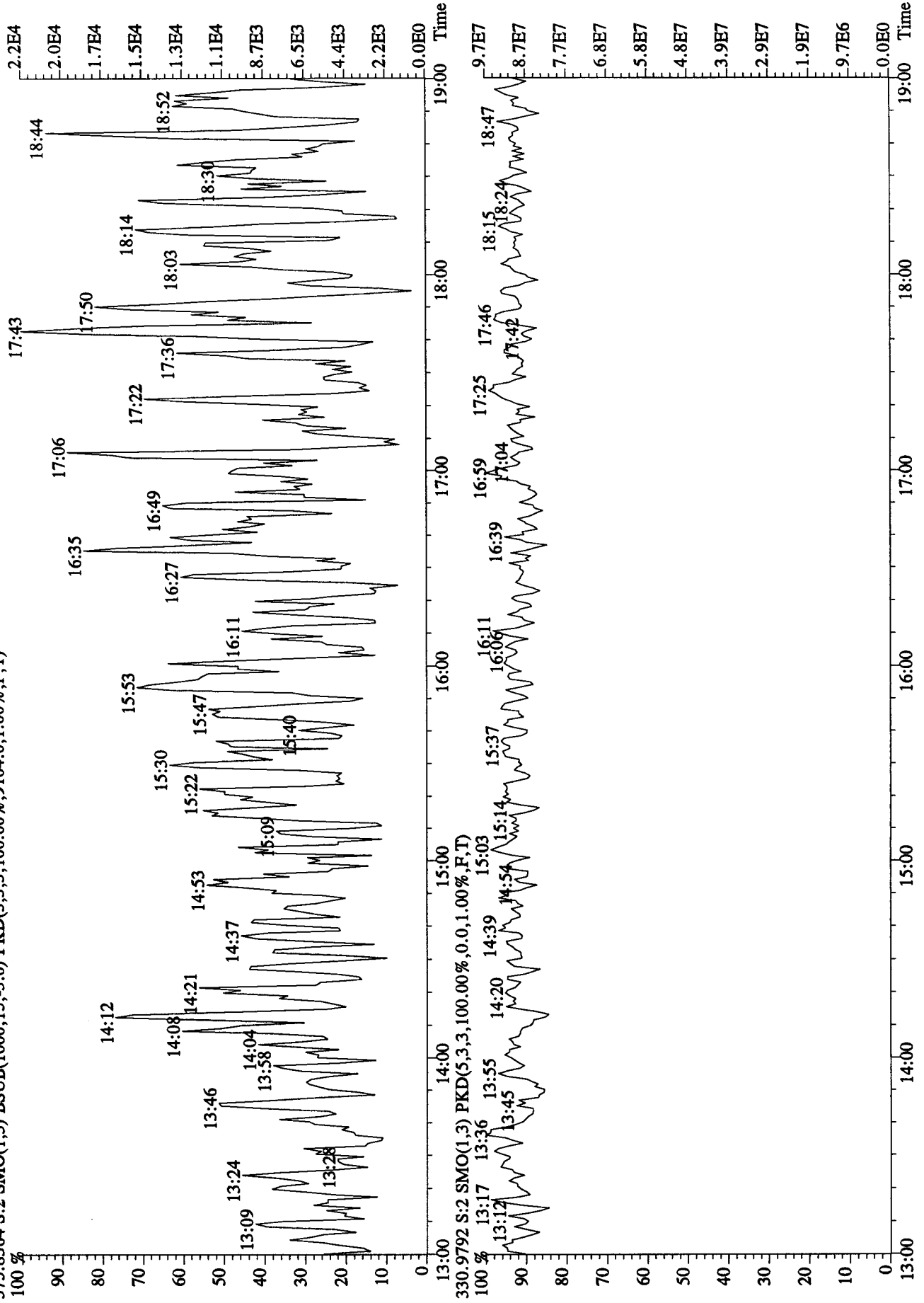
331.9368 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22740.0,1.00%,F,T)
 100 % A5.78E7



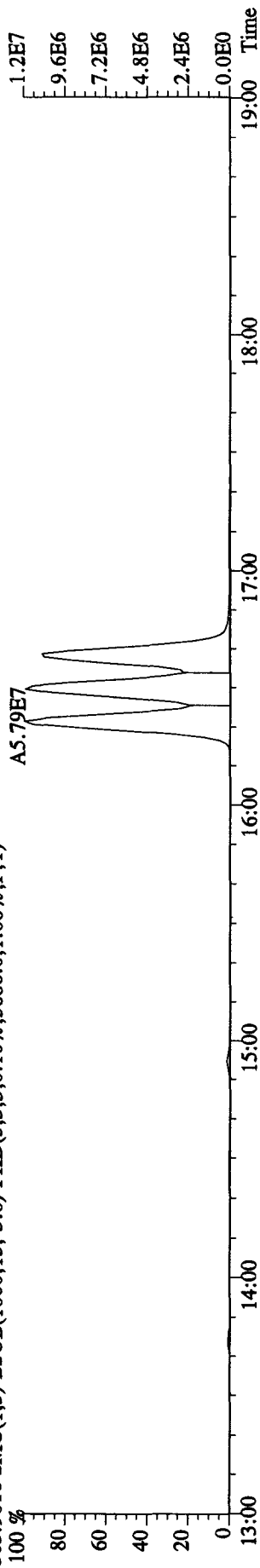
333.9339 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15712.0,1.00%,F,T)
 100 % A7.26E7



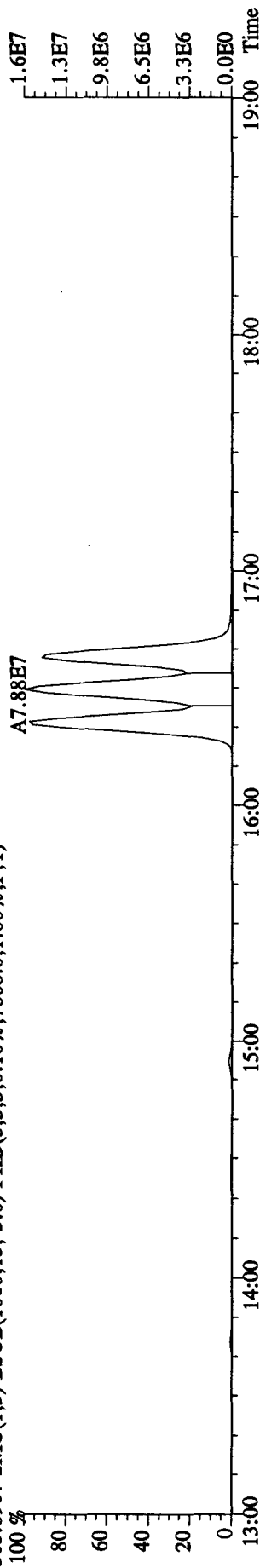
File:18DE105D2 #1-1242 Acq:18-DEC-2010 08:25:44 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1218 :CS3 10DXN505 Exp:DB225RES
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,9104.0,1.00%,F,T)



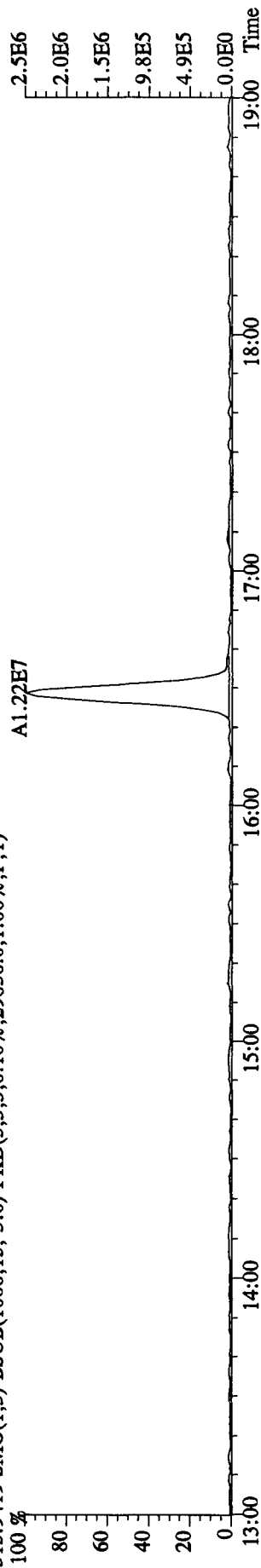
File:18DE105D2 #1-1242 Acq:18-DEC-2010 07:49:23 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1218 :DB-225 CPSM 3732-11 Exp:DB225RES
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5688.0,1.00%,F,T)



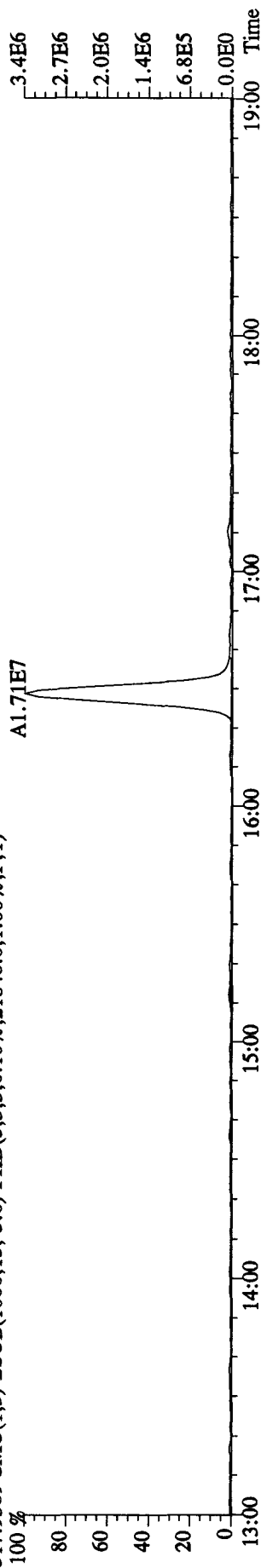
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7868.0,1.00%,F,T)



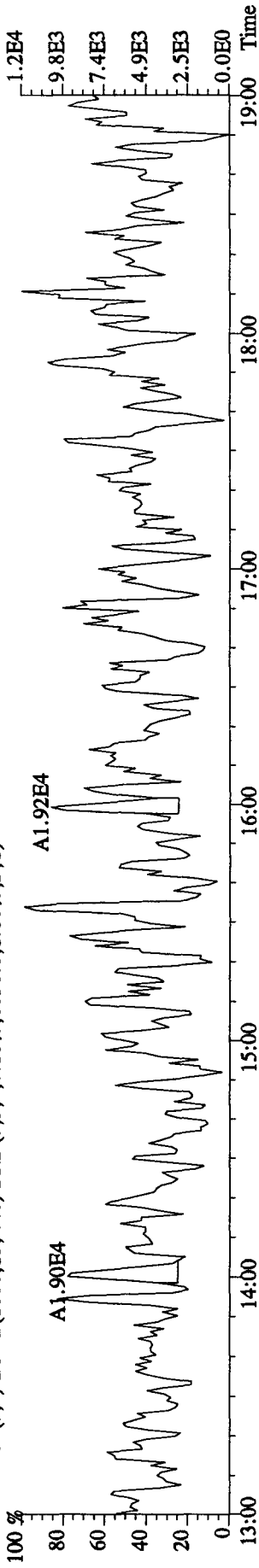
315.9419 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29856.0,1.00%,F,T)



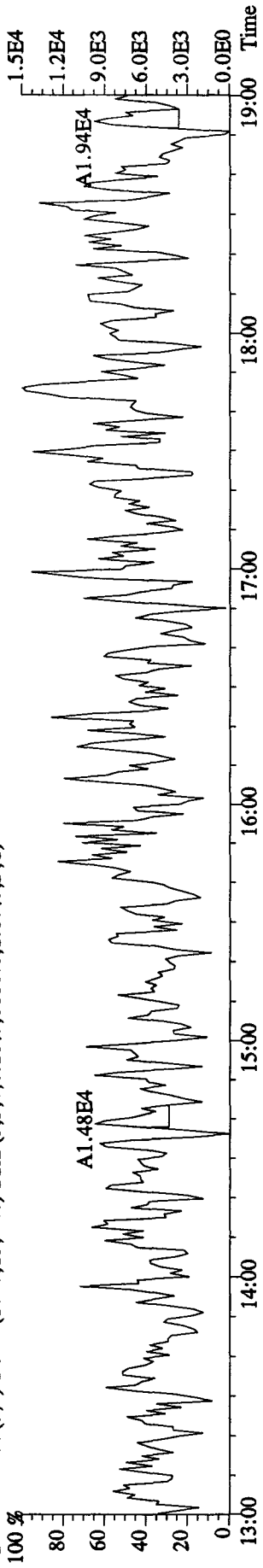
317.9389 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21848.0,1.00%,F,T)



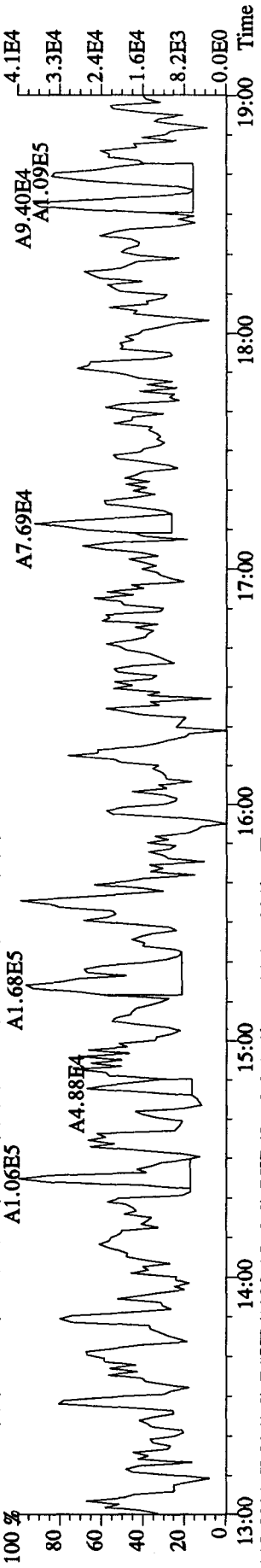
File:18DE105D2 #1-1242 Acq:18-DEC-2010 07:49:23 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1218 :DB-225 CPSM 3732-11 Exp:DB225RES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6836.0,1.00%,F,T)



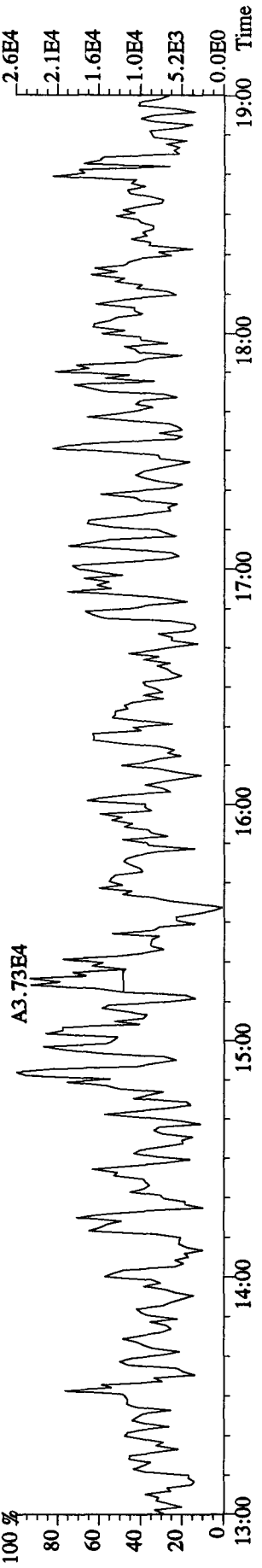
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8688.0,1.00%,F,T)



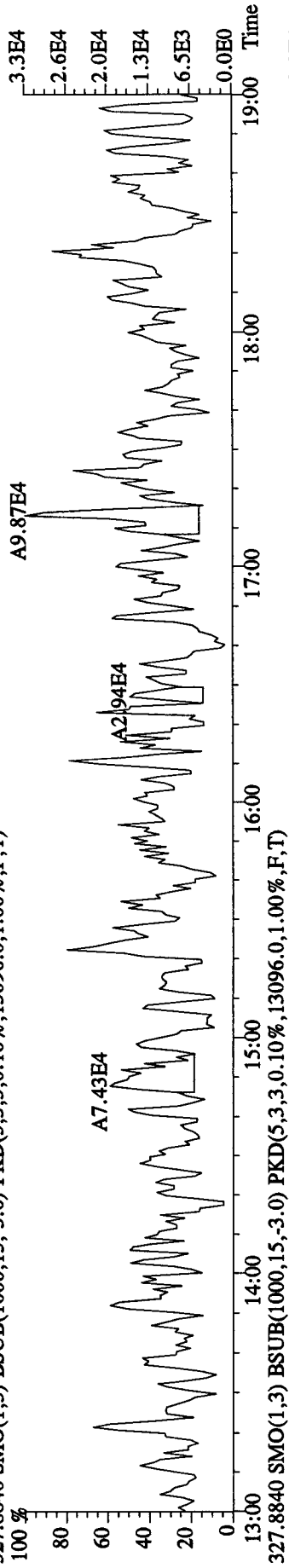
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21036.0,1.00%,F,T)



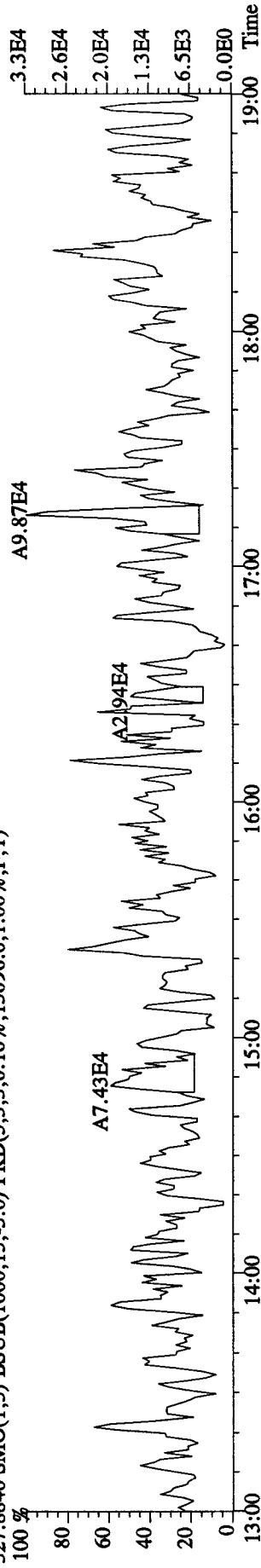
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13044.0,1.00%,F,T)



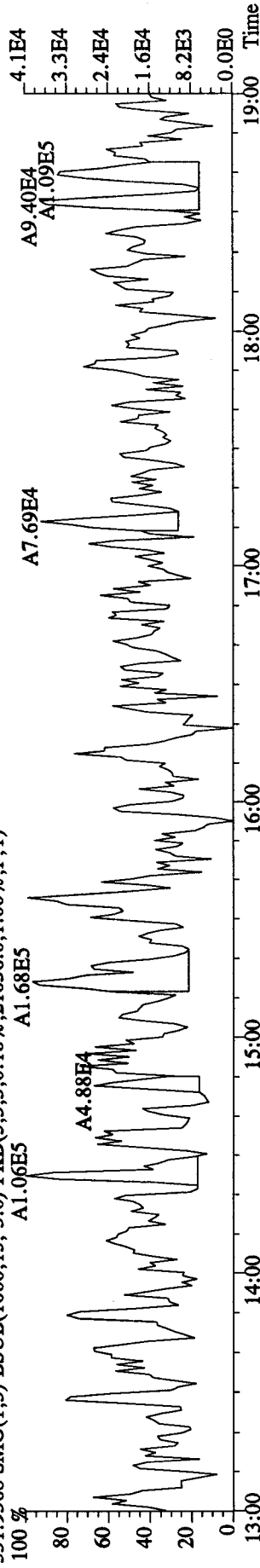
File:18DE105D2 #1-1242 Acq:18-DEC-2010 07:49:23 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1218 :DB-225 CPSM 3732-11 Exp:DB225RRES
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13096.0,1.00%,F,T)



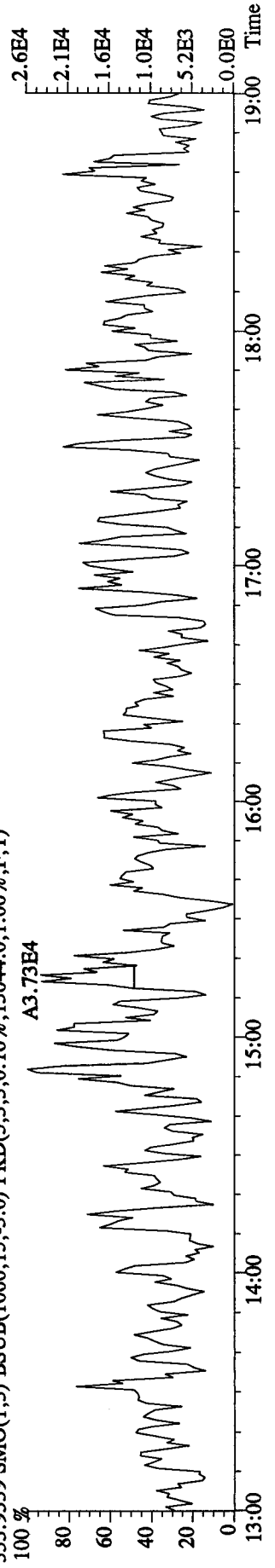
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13096.0,1.00%,F,T)



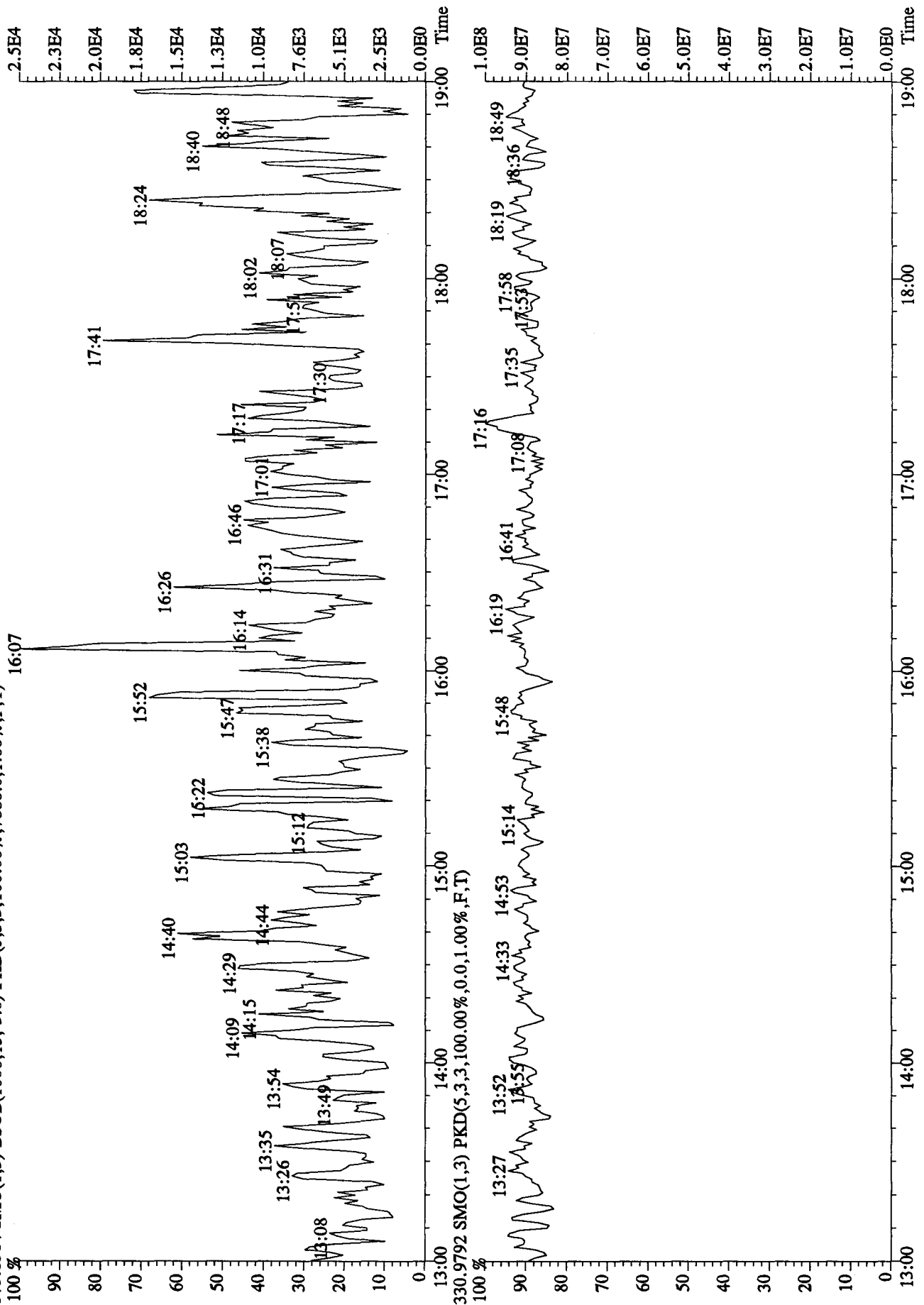
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21036.0,1.00%,F,T)



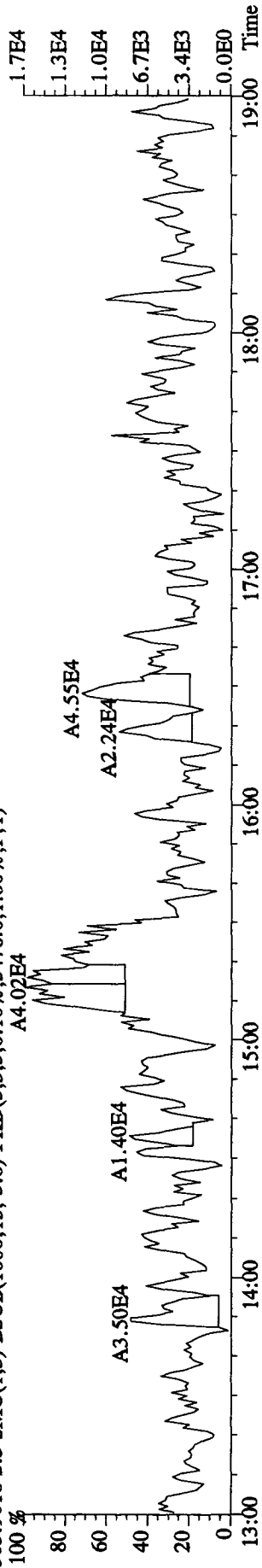
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13044.0,1.00%,F,T)



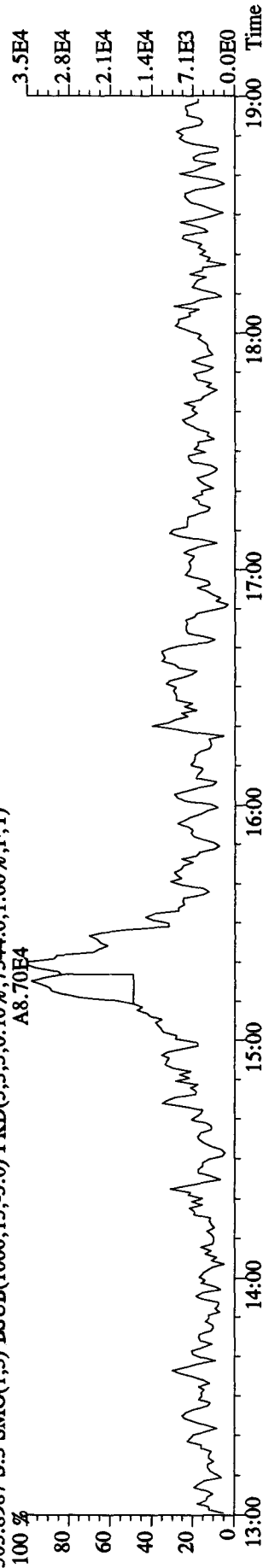
File:18DE105D2 #1-1242 Acq:18-DEC-2010 07:49:23 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1218 :DB-225 CPSM 3732-11 Exp:DB225RES
 375.8364 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,7880.0,1.00%,F,T)



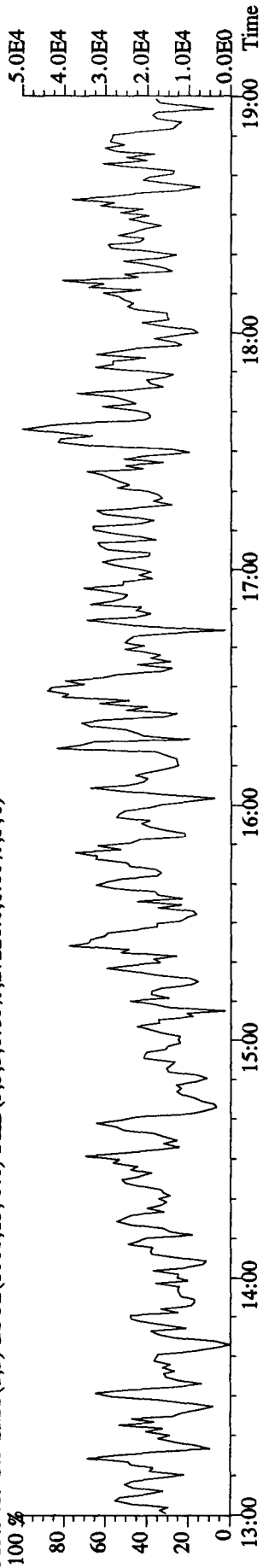
File:18DE105D2 #1-1241 Acq:18-DEC-2010 09:02:06 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB1218 :Solvent Blank C-14 Exp:DB225RES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5476.0,1.00%,F,T)
 100 % A4.02E4



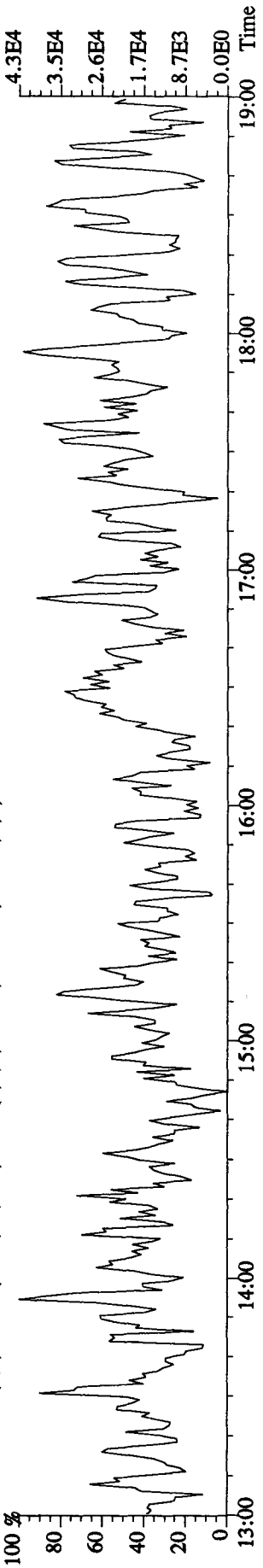
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7544.0,1.00%,F,T)
 100 % A8.70E4



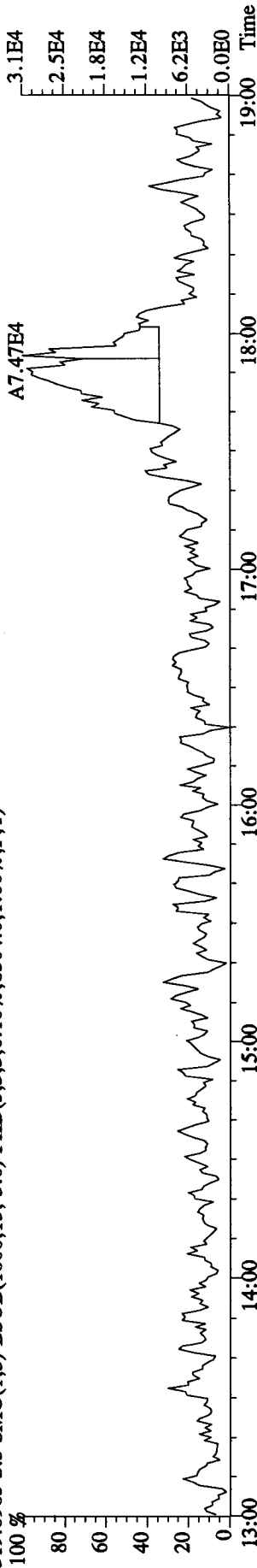
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27228.0,1.00%,F,T)
 100 %



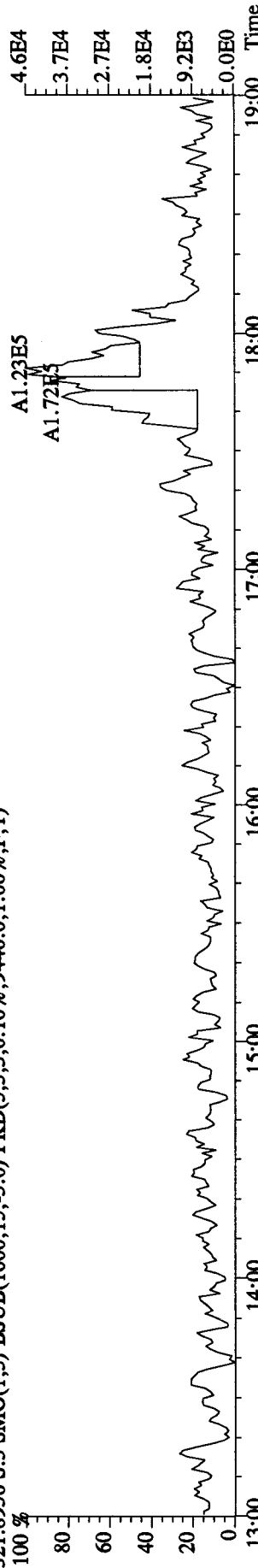
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22444.0,1.00%,F,T)
 100 %



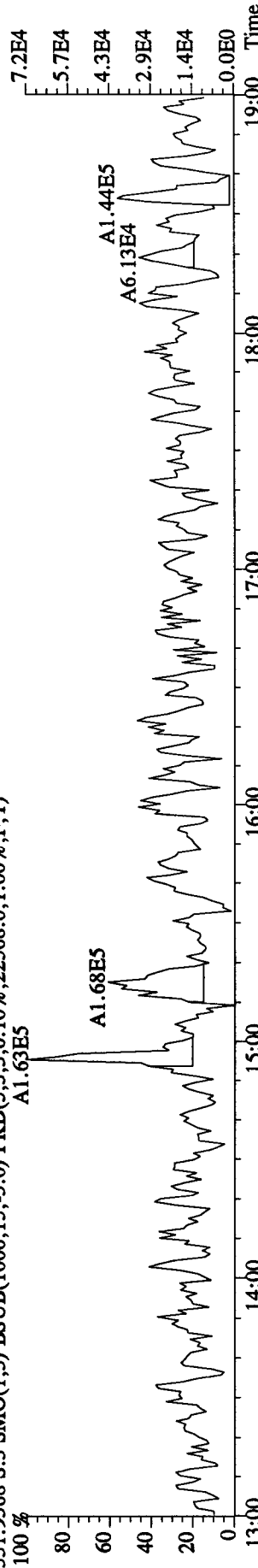
File:18DE105D2 #1-1241 Acq:18-DEC-2010 09:02:06 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SBI218 :Solvent Blank C-14 Exp:DB225RES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6504,0,1.00%,F,T)



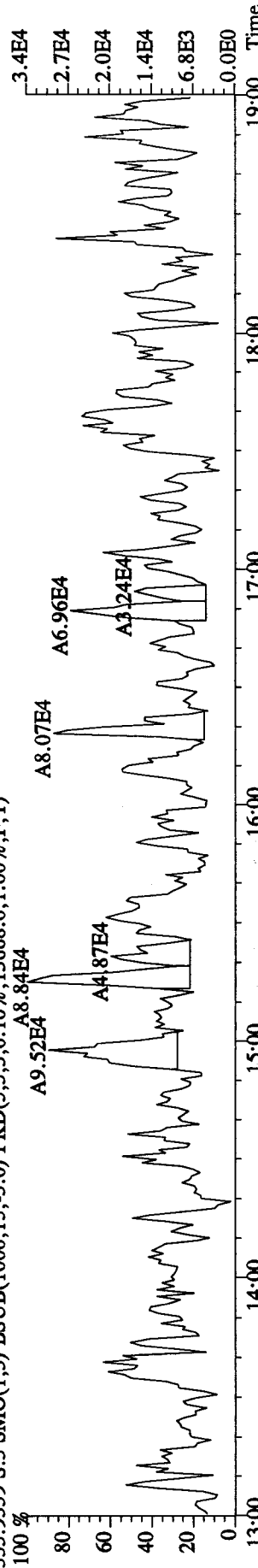
321.8936 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9440,0,1.00%,F,T)



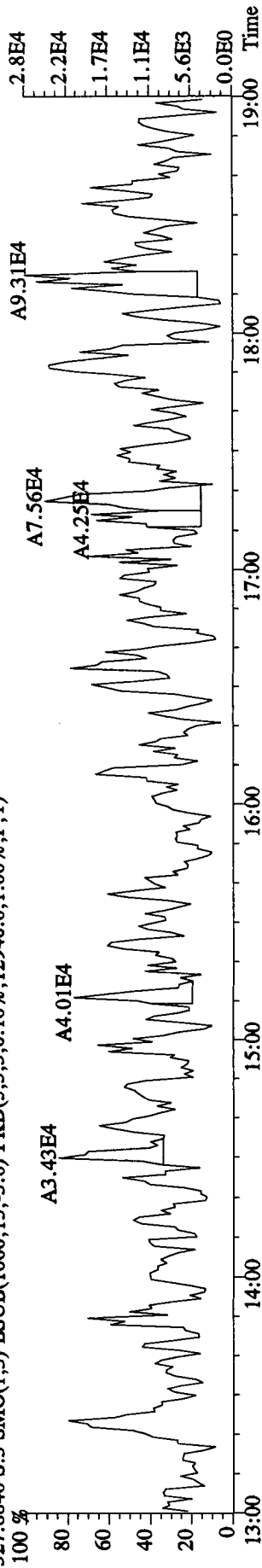
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22568,0,1.00%,F,T)



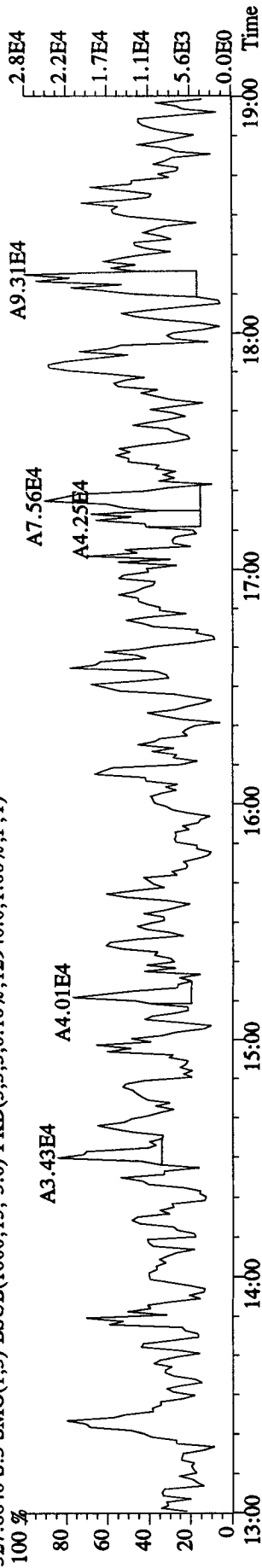
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13668,0,1.00%,F,T)



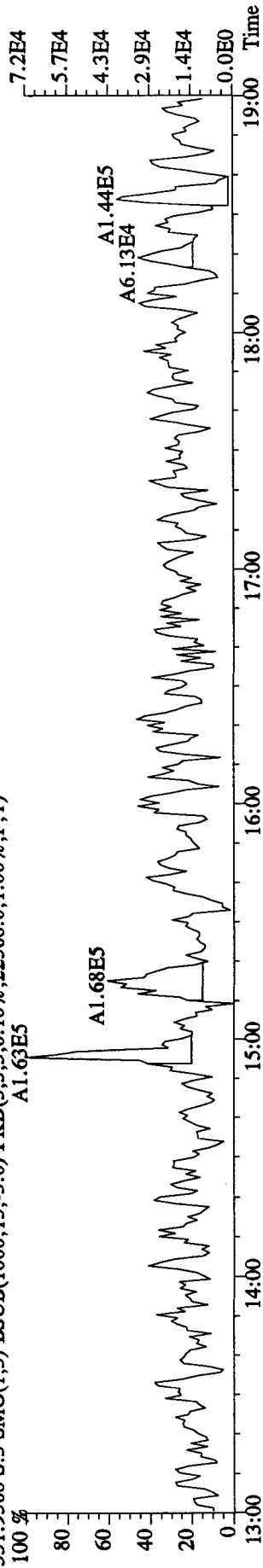
File: 18DE105D2 #1-1241 Acq: 18-DEC-2010 09:02:06 GC EI+ Voltage SIR 70SE
 Sample#3 Text: SB1218 : Solvent Blank C-14 Exp: DB225RES
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12940.0,1.00%,F,T)



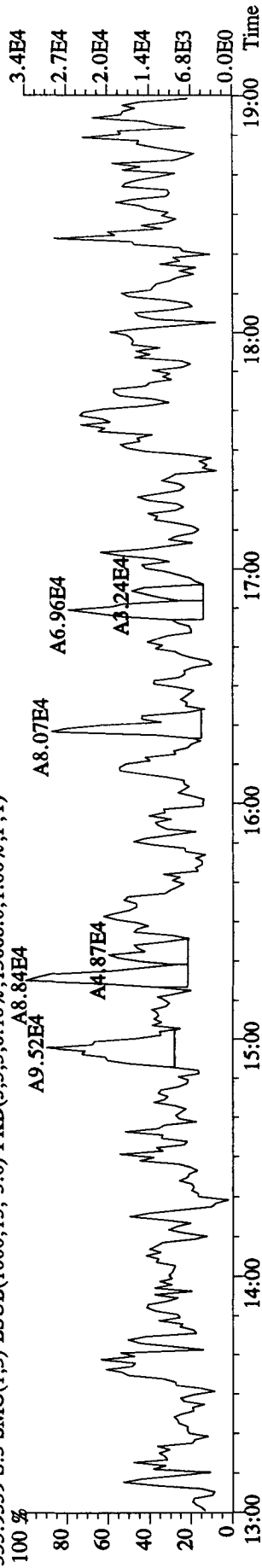
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12940.0,1.00%,F,T)



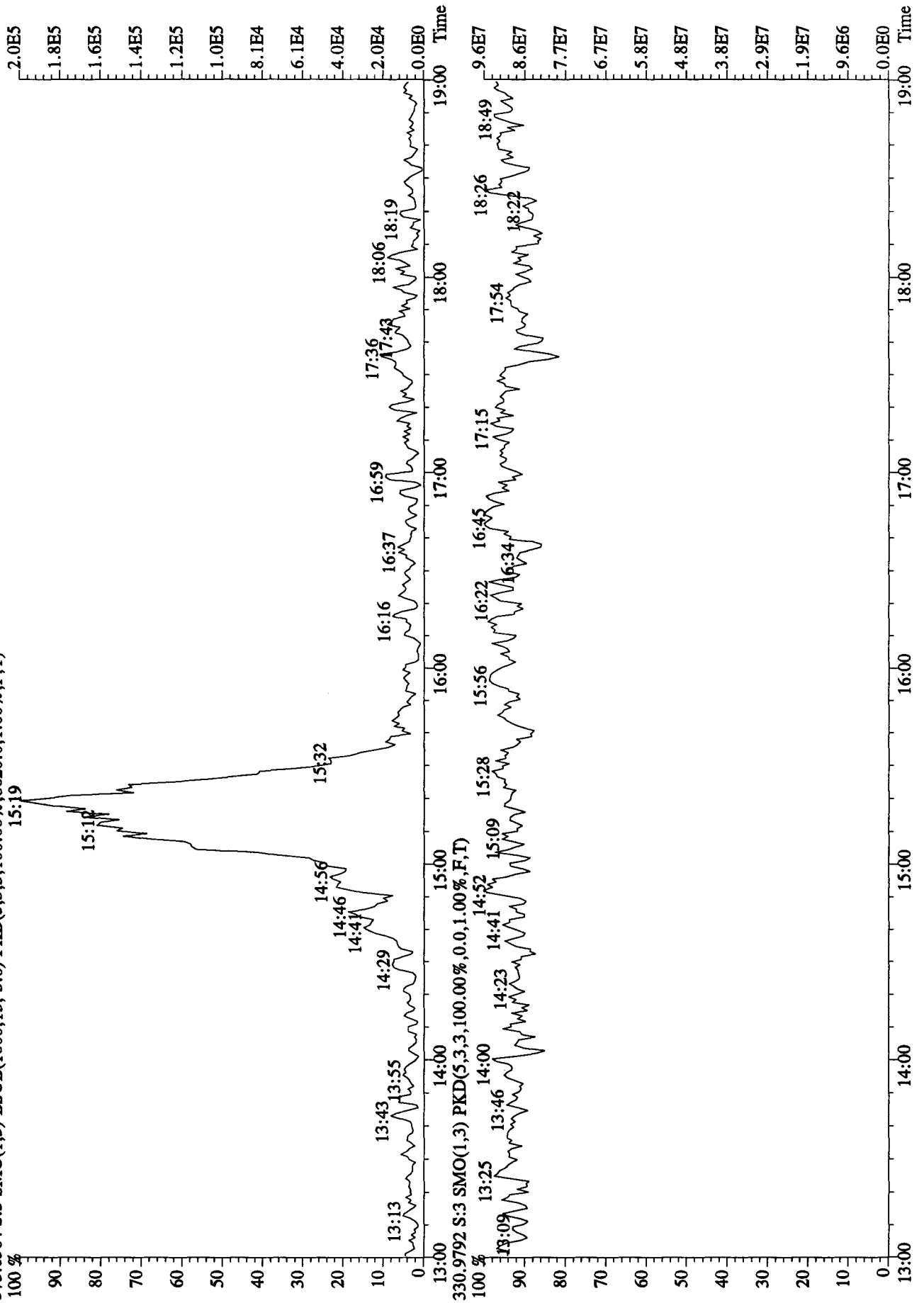
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22568.0,1.00%,F,T)



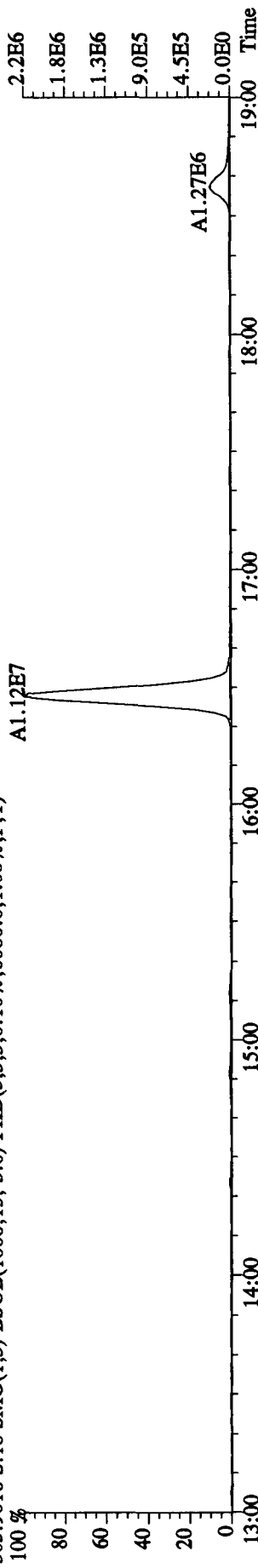
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13668.0,1.00%,F,T)



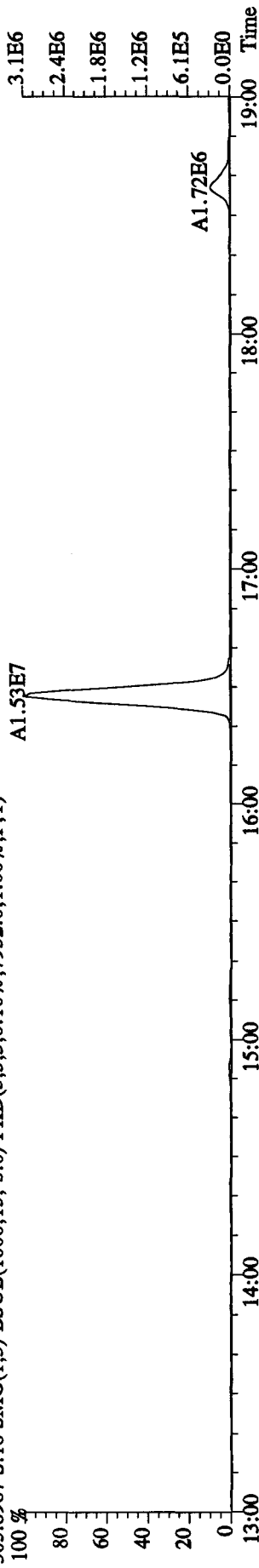
File:18DE105D2 #1-1241 Acq:18-DEC-2010 09:02:06 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB1218 :Solvent Blank C-14 Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,8620.0,1.00%,F,T)



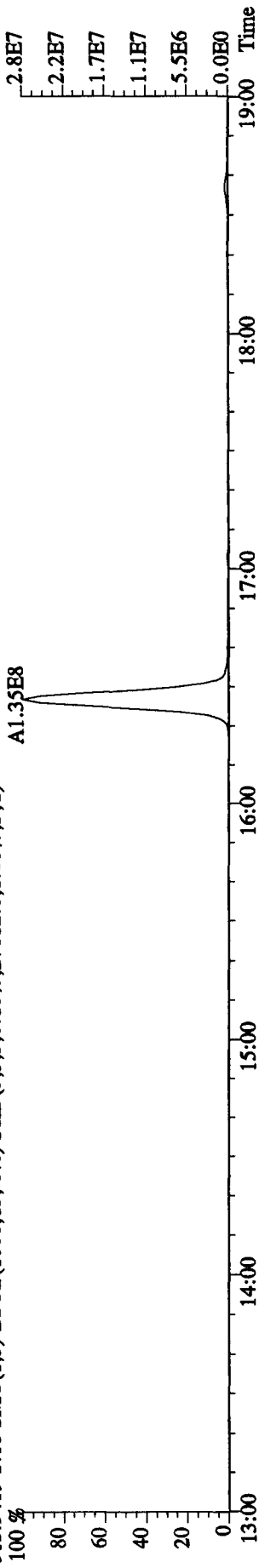
File: 18DE105D2 #1-1242 Acq: 18-DEC-2010 18:08:10 GC EI + Voltage SIR 70SE
 Sample#18 Text: ST1218A : CS3 10DXN505 Exp: DB225RES
 303.9016 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6080.0,1.00%,F,T)



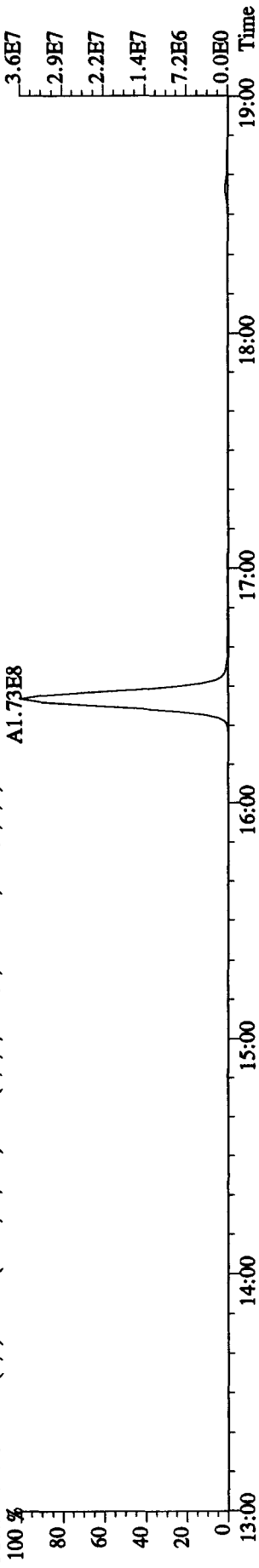
305.8987 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7952.0,1.00%,F,T)



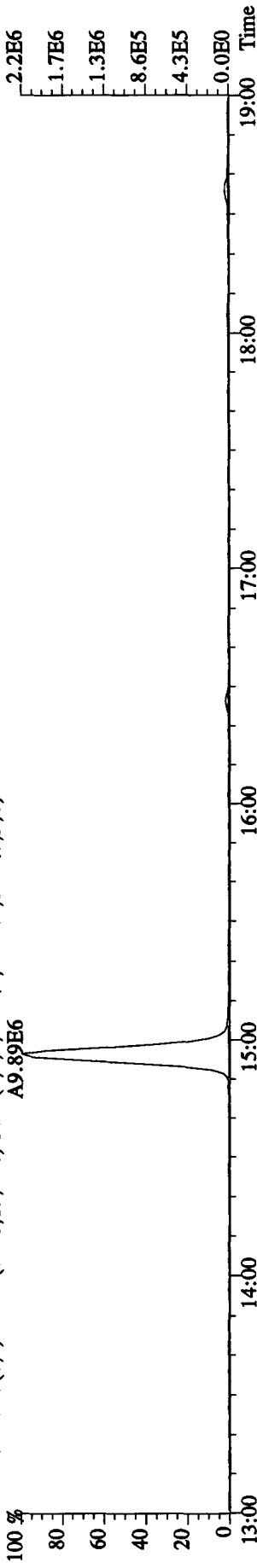
315.9419 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27612.0,1.00%,F,T)



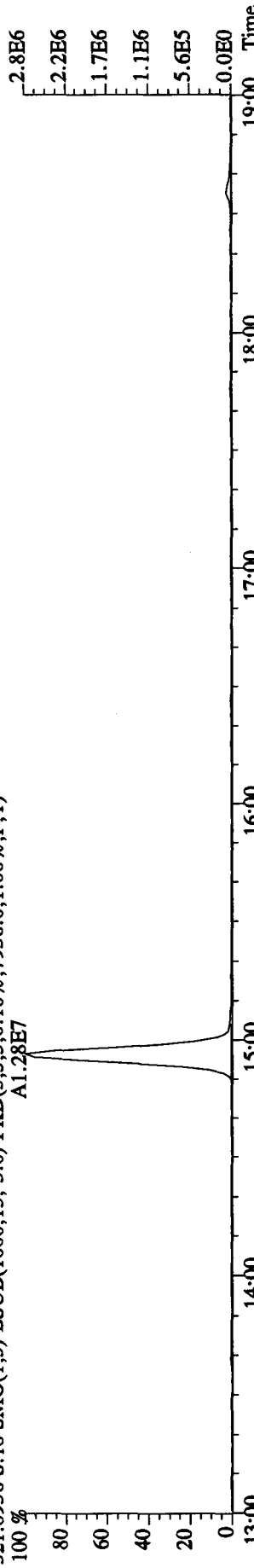
317.9389 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25208.0,1.00%,F,T)



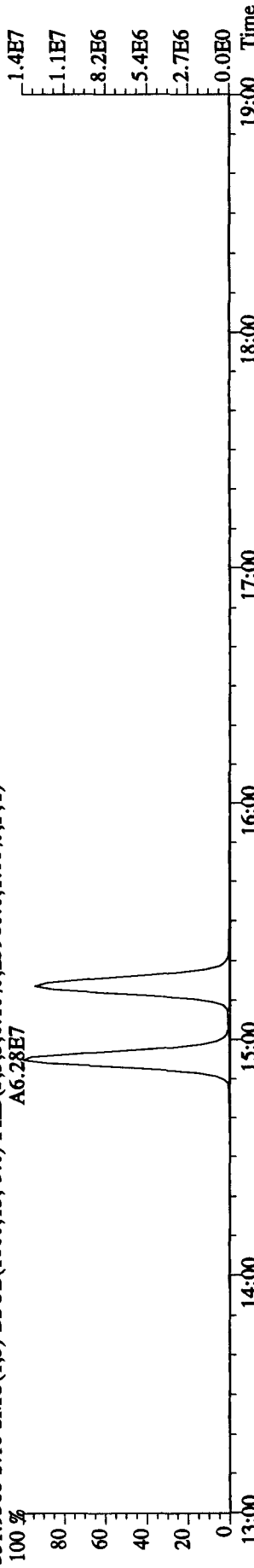
File: 18DE105D2 #1-1242 Acq: 18-DEC-2010 18:08:10 GC EI + Voltage SIR 70SE
 Sample#18 Text: ST1218A : CS3 10DXN505 Exp: DB225RES
 319.8965 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7172.0,1.00%,F,T)
 A9.89E6



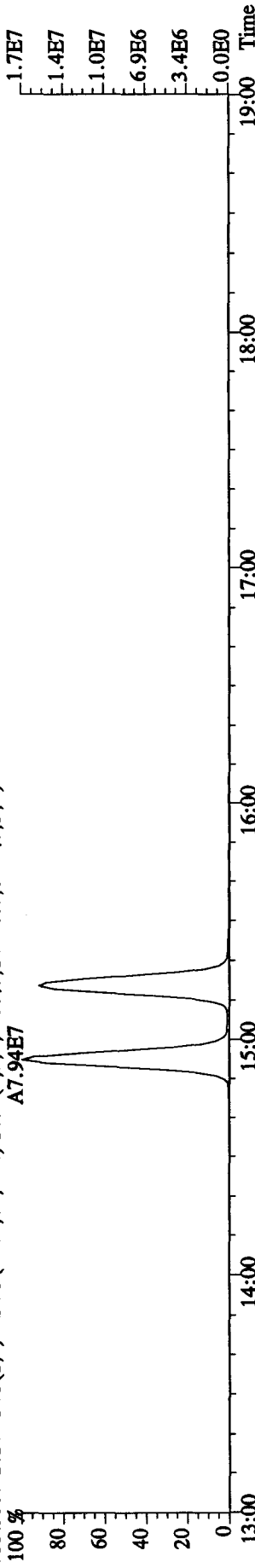
321.8936 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7936.0,1.00%,F,T)
 A1.28E7



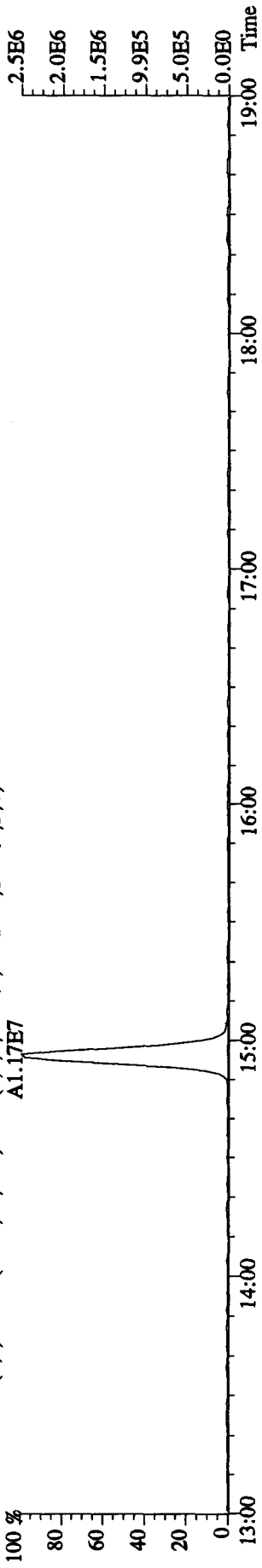
331.9368 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23960.0,1.00%,F,T)
 A6.28E7



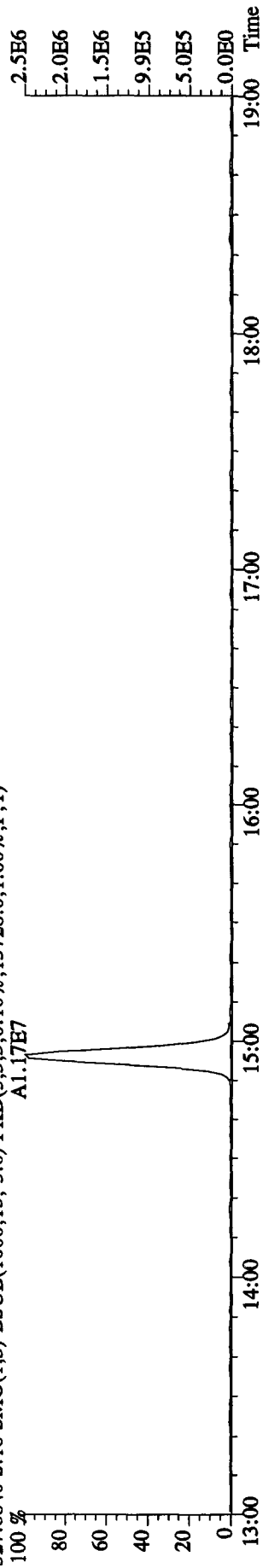
333.9339 S: 18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14060.0,1.00%,F,T)
 A7.94E7



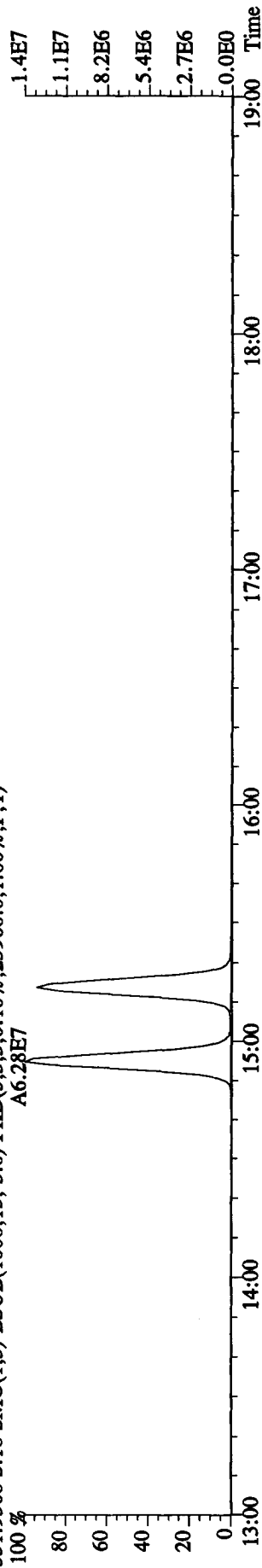
File: 18DE105D2 #1-1242 Acq: 18-DEC-2010 18:08:10 GC EI+ Voltage SIR 70SE
 Sample#18 Text: ST1218A : CS3 10DXN505 Exp: DB225RES
 327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,13728.0,1.00%,F,T)
 A1.17E7



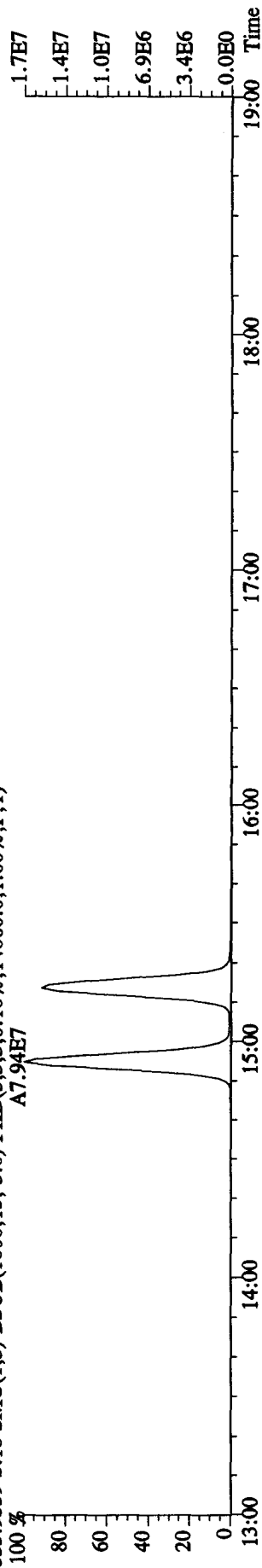
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,13728.0,1.00%,F,T)
 A1.17E7



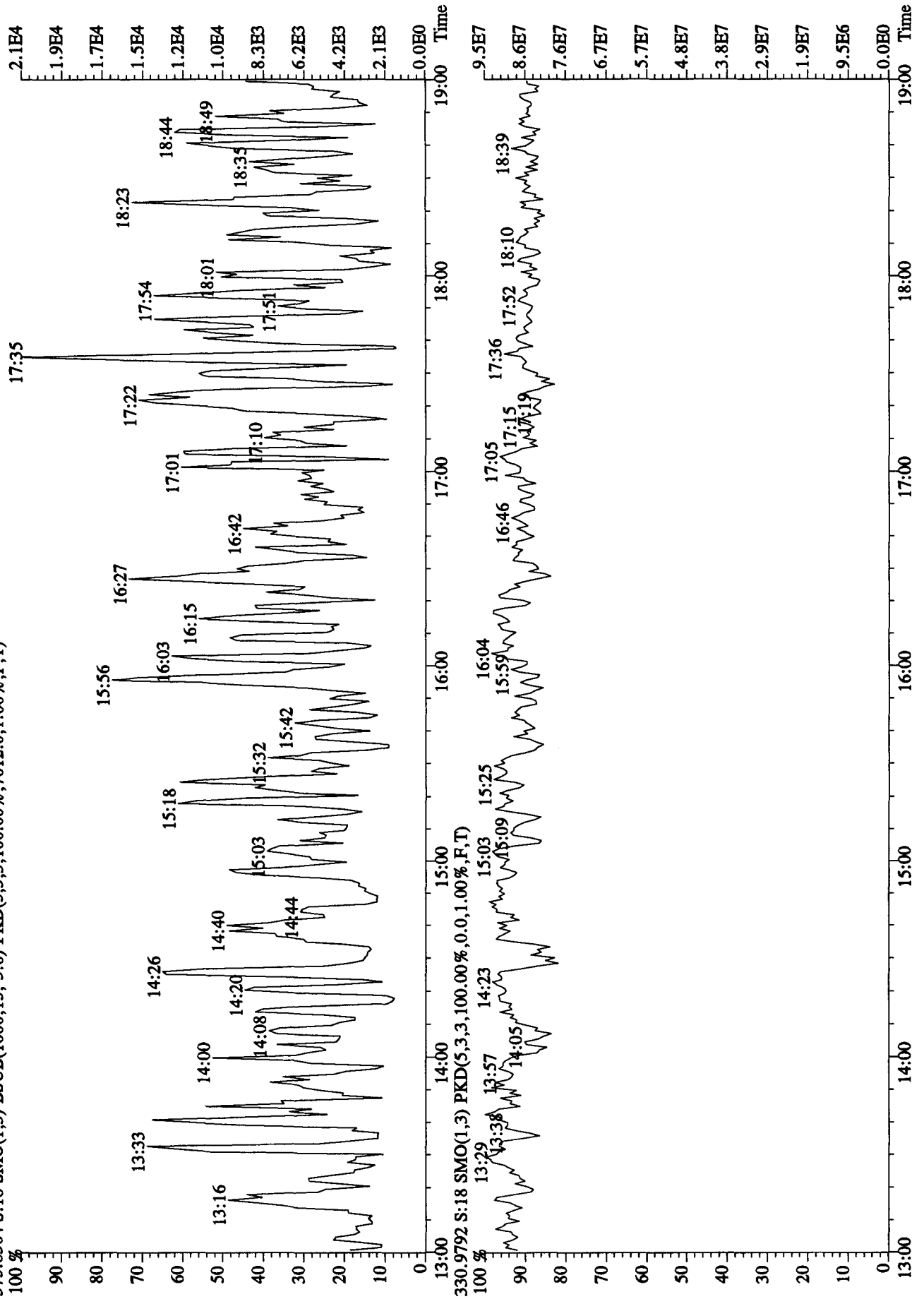
331.9368 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,23960.0,1.00%,F,T)
 A6.28E7



333.9339 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,14060.0,1.00%,F,T)
 A7.94E7



File: 18DE105D2 #1-1242 Acq: 18-DEC-2010 18:08:10 GC EI+ Voltage SIR 70SE
 Sample# 18 Text: ST1218A :CS3 10DXN505 Exp: DB225RES
 375.8364 S: 18 SMO(1,3) ESUB(1000,15,-3.0) PKD(5,3,3,100.00%,7012.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Initial Calibration Checklist
Dioxin Methods

ICAL ID 1CA1020103D5 (1613, 8290, TO9, TETRAs)

Method ID 1613B, 8290, TO9 Date Scanned 10/21/10

Column ID DB5 Instrument ID 3D5

STD ID's ST1020(B, A, -, C, D) STD Solution 10DXN(342, 335, 461, 337, 339)

GC Program DIOXIN Multiplier Setting 350

Analyzed By M.G. Date Analyzed 10/20/10

Prepared By M.G. Date Prepared 10/20/10

Reviewed By MAF Date Reviewed 10/21/10

Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	—
Isotopic ratios within limits?	✓	—
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

CS2 13C-1,2,3,4-TCDD 18.73

Retention Times 13C-1,2,3,7,8,9-HxCDD 32.74

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:24:20 PM Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 07:41:33

Calibration: 20 Oct 2010 17:23:11

#	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	1.32993	0.01679	1.26243
4	2,3,7,8-TCDF	0.97151	0.07157	7.36682
5	Total TCDFs	0.97151	0.07157	7.36682
6				
7	13C-2,3,7,8-TCDD	0.88993	0.03148	3.53700
8	2,3,7,8-TCDD	1.00877	0.06276	6.22099
9	Total TCDDs	1.00877	0.06276	6.22099
10				
11	37CL-2,3,7,8-TCDD	0.64940	0.01593	2.45252
12				
13	13C-1,2,3,7,8-PeCDF	0.97070	0.05863	6.03994
14	1,2,3,7,8-PeCDF	1.06912	0.06653	6.22262
15	2,3,4,7,8-PeCDF	1.02843	0.05486	5.33479
16	Total F2 PeCDFs	1.04877	0.05962	5.68509
17	Total F1 PeCDFs	1.04877	0.05962	5.68509
18				
19	13C-1,2,3,7,8-PeCDD	0.71523	0.04044	5.65453
20	1,2,3,7,8-PeCDD	0.88408	0.05990	6.77503
21	Total PeCDDs	0.88408	0.05990	6.77503
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	1.08439	0.03115	2.87274
26	1,2,3,4,7,8-HxCDF	1.21851	0.05428	4.45440
27	1,2,3,6,7,8-HxCDF	1.39626	0.03424	2.45258
28	2,3,4,6,7,8-HxCDF	1.23749	0.07891	6.37645
29	1,2,3,7,8,9-HxCDF	1.07822	0.06388	5.92480
30	Total HxCDFs	1.23262	0.04921	3.99262
31				
32	13C-1,2,3,6,7,8-HxCDD	0.89448	0.01721	1.92420
33	1,2,3,4,7,8-HxCDD	1.02768	0.07515	7.31291
34	1,2,3,6,7,8-HxCDD	1.11052	0.04819	4.33951
35	1,2,3,7,8,9-HxCDD	1.11276	0.06800	6.11064
36	Total HxCDDs	1.08365	0.05954	5.49463
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.88081	0.04514	5.12428
39	1,2,3,4,6,7,8-HpCDF	1.40167	0.08144	5.81019
40	1,2,3,4,7,8,9-HpCDF	1.19912	0.07854	6.54946
41	Total HpCDFs	1.30039	0.07990	6.14402
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.85740	0.04397	5.12838
44	1,2,3,4,6,7,8-HpCDD	0.98108	0.03785	3.85794
45	Total HpCDDs	0.98108	0.03785	3.85794
46				
47	13C-OCDD	0.64317	0.02998	4.66090

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

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#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.47706	0.10157	6.87631
49	OCDD	1.19620	0.03953	3.30441
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	17.81450	9.82383	55.14516
58	F1 PeCDF PCDPE	97.10950	108.94889	112.19180
59	F2 PeCDF PCDPE	51.06250	44.53548	87.21758
60	HXCDF PCDPE	21.19080	12.84340	60.60837
61	HPCDF PCDPE	39.17300	11.71999	29.91853
62	OCDF PCDPE	27.30250	21.54033	78.89507

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

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Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 07:41:33

Calibration: 20 Oct 2010 17:23:11

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	18.73	2301146	1.00000	0.752	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	18.16	3117537	1.35478	0.793	NO	
4	2,3,7,8-TCDF	303.9016	18.19	329327	1.05637	0.768	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.91	2104385	0.91449	0.732	NO	
8	2,3,7,8-TCDD	319.8965	18.94	227617	1.08163	0.817	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.94	138616	0.65870			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.57	2409426	1.04705	1.576	NO	
14	1,2,3,7,8-PeCDF	339.8597	23.60	1377499	1.14343	1.599	NO	
15	2,3,4,7,8-PeCDF	339.8597	25.02	1301824	1.08061	1.582	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.78	1773231	0.77059	1.561	NO	
20	1,2,3,7,8-PeCDD	355.8546	25.81	842007	0.94969	1.595	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.74	1584071	1.00000	1.273	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.43	1763200	1.11308	0.528	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	31.44	1122396	1.27314	1.263	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	31.58	1210707	1.37331	1.203	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.22	1169565	1.32664	1.233	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	32.93	1023120	1.16053	1.203	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.45	1402526	0.88539	1.236	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.37	783280	1.11696	1.228	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	32.46	817793	1.16617	1.263	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	32.74	855210	1.21953	1.259	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.27	1377331	0.86949	0.448	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.28	1026022	1.48967	1.059	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.39	879960	1.27777	1.042	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.07	1347904	0.85091	1.095	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.08	687835	1.02060	1.018	NO	
45	Total HpCDDs	423.7766						
46								

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D5TO9.qld

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Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
47	13C-OCDD	469.7779	37.50	2048421	0.64657	0.897	NO	
48	OCDF	441.7428	37.62	1594144	1.55646	0.937	NO	
49	OCDD	457.7377	37.52	1266758	1.23681	0.921	NO	
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364	20.24	11	10.868...			
58	F1 PeCDF PCDPE	409.79...	19.26	20	20.071...			
59	F2 PeCDF PCDPE	409.7974	28.35	116	115.82...			
60	HXCDF PCDPE	445.7555	33.17	25	25.042...			
61	HPCDF PCDPE	479.7165	34.29	43	42.963...			
62	OCDF PCDPE	513.67...	39.16	28	27.777...			

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

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Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	18.73	2576014	1.00000	0.756	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	18.17	3433095	1.33272	0.804	NO	
4	2,3,7,8-TCDF	303.9016	18.19	60686	0.88383	0.793	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.93	2364608	0.91793	0.756	NO	
8	2,3,7,8-TCDD	319.8965	18.94	44204	0.93471	0.784	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.94	29460	0.62294			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.57	2501474	0.97106	1.559	NO	
14	1,2,3,7,8-PeCDF	339.8597	23.60	255126	1.01990	1.588	NO	
15	2,3,4,7,8-PeCDF	339.8597	25.02	251274	1.00450	1.599	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.78	1869068	0.72557	1.579	NO	
20	1,2,3,7,8-PeCDD	355.8546	25.81	153536	0.82146	1.547	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.74	1626145	1.00000	1.275	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.43	1766297	1.08619	0.522	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	31.45	208311	1.17936	1.254	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	31.58	245949	1.39245	1.264	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.22	208612	1.18107	1.235	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	32.93	188121	1.06506	1.194	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.45	1443441	0.88765	1.293	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.38	140154	0.97097	1.279	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	32.46	153053	1.06034	1.336	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	32.76	155842	1.07966	1.348	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.27	1483229	0.91211	0.448	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.28	193608	1.30532	1.031	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.39	164282	1.10760	1.068	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.07	1413045	0.86895	1.064	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.08	133001	0.94124	1.023	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.52	2118197	0.65129	0.899	NO	
48	OCDF	441.7428	37.62	297056	1.40240	0.917	NO	
49	OCDD	457.7377	37.53	242427	1.14450	0.876	NO	

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

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Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod.Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974	28.25		45	44.893...		
60	HXCDF PCDPE	445.7555	33.28		17	17.354...		
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

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Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	18.75	2943527	1.00000	0.775	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	18.19	3925145	1.33348	0.785	NO	
4	2,3,7,8-TCDF	303.9016	18.20	17887	0.91142	0.804	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.93	2660201	0.90375	0.765	NO	
8	2,3,7,8-TCDD	319.8965	18.94	12659	0.95176	0.791	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.96	8675	0.65221			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.58	2924130	0.99341	1.549	NO	
14	1,2,3,7,8-PeCDF	339.8597	23.60	71712	0.98096	1.612	NO	
15	2,3,4,7,8-PeCDF	339.8597	25.00	69417	0.94957	1.589	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.75	2094755	0.71165	1.534	NO	
20	1,2,3,7,8-PeCDD	355.8546	25.80	42927	0.81970	1.661	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.74	1898207	1.00000	1.270	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.43	2117168	1.11535	0.526	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	31.44	60766	1.14807	1.258	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	31.58	73758	1.39352	1.266	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.22	59920	1.13208	1.162	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	32.93	52040	0.98321	1.209	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.45	1729645	0.91120	1.249	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.38	41927	0.96960	1.210	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	32.46	45814	1.05950	1.271	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	32.76	44788	1.03578	1.380	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.27	1786087	0.94093	0.458	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.28	59267	1.32731	1.056	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.39	50106	1.12214	0.980	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.07	1758805	0.92656	1.046	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.08	41400	0.94154	1.012	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.52	2534064	0.66749	0.915	NO	
48	OCDF	441.7428	37.62	84653	1.33625	0.936	NO	
49	OCDD	457.7377	37.53	74476	1.17559	0.856	NO	

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

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Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod:Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974	28.30		23	22.853...		
60	HXCDF PCDPE	445.7555	33.16		20	19.958...		
61	HPCDF PCDPE	479.7165	34.28		49	48.529...		
62	OCDF PCDPE	513.67...	39.12		23	22.586...		

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

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Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod.Date
1	13C-1,2,3,4-TCDD	331.9368	18.73	2798366	1.00000	0.748	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	18.17	3682130	1.31581	0.799	NO	
4	2,3,7,8-TCDF	303.9016	18.19	1473679	1.00056	0.761	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.93	2370903	0.84725	0.728	NO	
8	2,3,7,8-TCDD	319.8965	18.96	981583	1.03503	0.790	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.94	615425	0.64894			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.57	2479090	0.88591	1.538	NO	
14	1,2,3,7,8-PeCDF	339.8597	23.60	5453822	1.09996	1.594	NO	
15	2,3,4,7,8-PeCDF	339.8597	25.03	5348334	1.07869	1.560	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.78	1839759	0.65744	1.569	NO	
20	1,2,3,7,8-PeCDD	355.8546	25.81	3391347	0.92168	1.575	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.74	1739787	1.00000	1.299	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	31.43	1815353	1.04343	0.507	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	31.44	4596196	1.26592	1.219	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	31.58	5279286	1.45407	1.242	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.22	4636962	1.27715	1.237	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	32.93	3970780	1.09367	1.240	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.45	1521258	0.87439	1.235	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.37	3354399	1.10251	1.245	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	32.46	3460575	1.13741	1.271	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	32.74	3372990	1.10862	1.264	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.27	1444609	0.83034	0.462	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.28	4216067	1.45924	0.990	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.39	3619144	1.25264	1.043	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.07	1432816	0.82356	1.080	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.08	2898789	1.01157	1.040	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.52	2058016	0.59146	0.926	NO	
48	OCDF	441.7428	37.62	6409991	1.55732	0.905	NO	
49	OCDD	457.7377	37.52	5080874	1.23441	0.890	NO	

Dataset: C:\MassLynx\JAN2010.PROVCA1020103D5TO9.qld

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:24:45 PM Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod. Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...						
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555	33.26		40	39.520...		
61	HPCDF PCDPE	479.7165	34.22		26	26.027...		
62	OCDF PCDPE	513.67...	39.13		3	3.34200		

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D5TO9.qld

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:24:45 PM Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	18.75	3099410	1.00000	0.756	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	18.17	4069165	1.31288	0.798	NO	
4	2,3,7,8-TCDF	303.9016	18.19	8181909	1.00535	0.774	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	18.94	2684736	0.86621	0.755	NO	
8	2,3,7,8-TCDD	319.8965	18.96	5588001	1.04070	0.788	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	18.96	3566591	0.66424			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	23.60	2963268	0.95607	1.599	NO	
14	1,2,3,7,8-PeCDF	339.8597	23.61	32635086	1.10132	1.567	NO	
15	2,3,4,7,8-PeCDF	339.8597	25.05	30485030	1.02876	1.567	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	25.80	2203344	0.71089	1.547	NO	
20	1,2,3,7,8-PeCDD	355.8546	25.82	20003584	0.90787	1.540	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	32.74	2051180	1.00000	1.277	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8839	31.44	2182276	1.06391	0.516	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	31.45	26758134	1.22607	1.239	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	31.58	29852873	1.36797	1.247	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	32.22	27726125	1.27051	1.306	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	32.93	23757257	1.08865	1.240	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	32.46	1874338	0.91379	1.253	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	32.38	18337533	0.97835	1.218	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	32.48	21164857	1.12919	1.240	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	32.76	20996760	1.12022	1.253	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	34.27	1745913	0.85118	0.455	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	34.28	24907373	1.42661	1.051	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	35.39	21569547	1.23543	1.030	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	35.07	1675878	0.81703	1.059	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	35.08	16599092	0.99047	1.062	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	37.52	2703549	0.65902	0.893	NO	
48	OCDF	441.7428	37.62	41441972	1.53287	0.905	NO	
49	OCDD	457.7377	37.53	32163941	1.18969	0.900	NO	

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D5TO9.qld

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:24:45 PM Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364	20.24		25	24.761...		
58	F1 PeCDF PCDPE	409.79...	19.28		174	174.14...		
59	F2 PeCDF PCDPE	409.7974	28.33		21	20.684...		
60	HXCDF PCDPE	445.7555	33.20		4	4.08000		
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	39.19		56	55.505...		

Sample List Report**MassLynx 4.1**

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\20OC103D5.SPL
Last Modified: Wednesday, October 20, 2010 17:22:19 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 17:22:28 Pacific Daylight Time

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	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Units	Bottle	FV_uL
1	20OC103D5_1	DB-5 CPSM 3732-09	CP1020	—	—	1.000000	—	Tray01:1	—
2	20OC103D5_2	CS3 10DXN461	ST1020	—	—	1.000000	—	Tray01:2	—
3	20OC103D5_3	CS2 10DXN335	ST1020A	—	—	1.000000	—	Tray01:3	—
4	20OC103D5_4	CS1 10DXN342	ST1020B	—	—	1.000000	—	Tray01:4	—
5	20OC103D5_5	CS4 10DXN337	ST1020C	—	—	1.000000	—	Tray01:6	—
6	20OC103D5_6	CS5 10DXN339	ST1020D	—	—	1.000000	—	Tray01:5	—
7	20OC103D5_7	2nd Source 10DXN340	ST1020F	—	—	1.000000	—	Tray01:8	—
8	20OC103D5_8	DB-5 CPSM 3732-08	CP1020A	—	—	1.000000	—	Tray01:1	—
9	20OC103D5_9	CS3 10DXN461	ST1020G	—	—	1.000000	—	Tray01:2	—

Sample List Report**MassLynx 4.1**

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\200C103D5.SPL
Last Modified: Wednesday, October 20, 2010 17:22:19 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 17:22:28 Pacific Daylight Time

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Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF	ConG
2.000000	Analyte	MG	Dioxin3D5	dioxin	—	—	—	—	—	—	—
2.000000	Standard	MG	Dioxin3D5	dioxin	10	50	100	100	200	10	100
2.000000	Standard	MG	Dioxin3D5	dioxin	2	10	20	100	200	2	100
2.000000	Standard	MG	Dioxin3D5	dioxin	0.5	2.5	5	100	200	.5	100
2.000000	Standard	MG	Dioxin3D5	dioxin	40	200	400	100	200	40	100
2.000000	Standard	MG	Dioxin3D5	dioxin	200	1000	2000	100	200	200	100
2.000000	Analyte	MG	Dioxin3D5	dioxin	—	—	—	2000	4000	400	2000
2.000000	Analyte	MG	Dioxin3D5	dioxin	—	—	—	—	—	—	—
2.000000	Analyte	MG	Dioxin3D5	dioxin	10	50	100	100	200	10	100

Sample List Report**MassLynx 4.1**

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\200C103D5.SPL
Last Modified: Wednesday, October 20, 2010 17:22:19 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 17:22:28 Pacific Daylight Time

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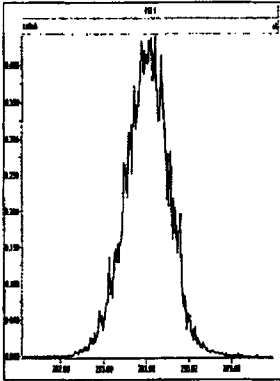
Page Position (3, 1)

Process	Process Options	Action On Error
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---	---	---
---	---	---
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ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error

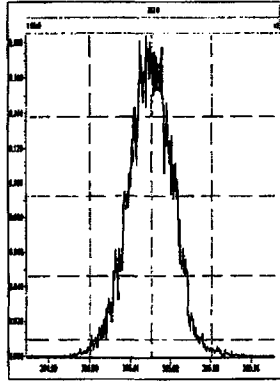
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Printed: Wednesday, October 20, 2010 09:44:20 Pacific Daylight Time

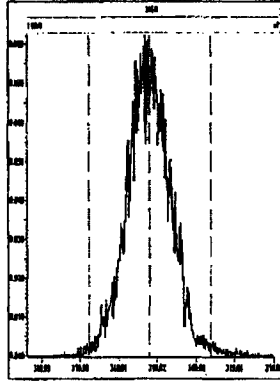
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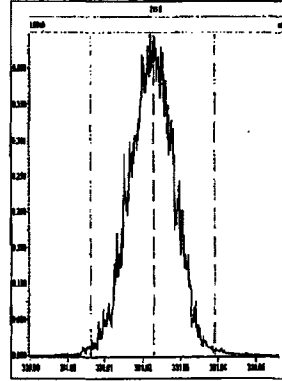
M 304.9824 R 12314



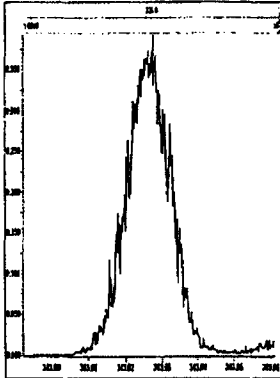
M 318.9792 R 12884



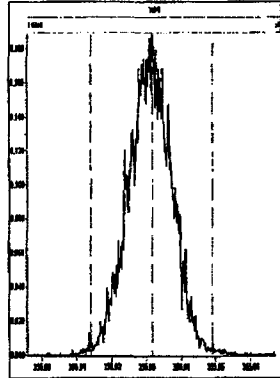
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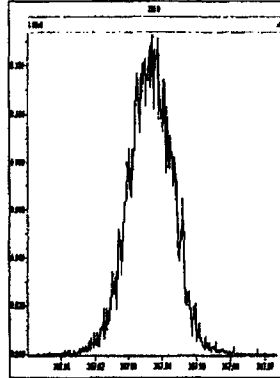
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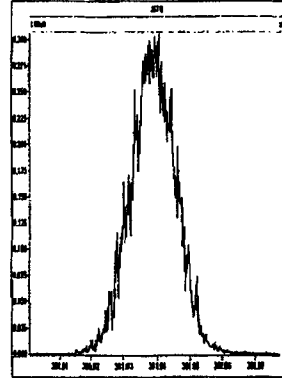
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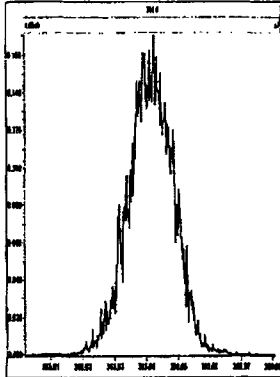
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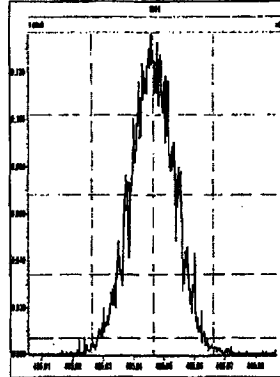
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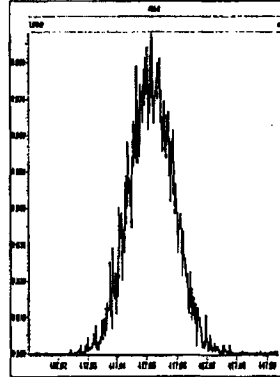
M 392.9760 R 12018



M 404.9760 R 11902



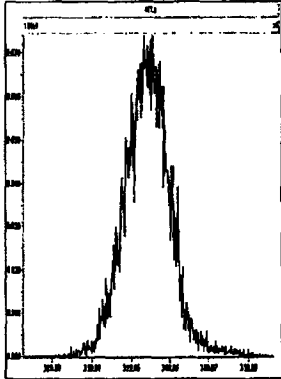
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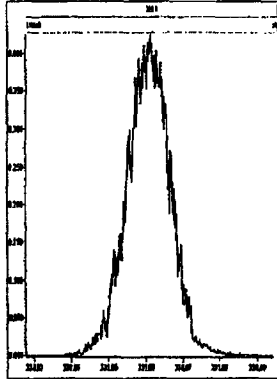
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Printed: Wednesday, October 20, 2010 09:46:05 Pacific Daylight Time

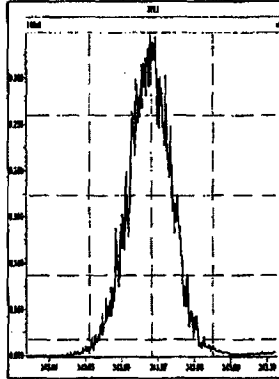
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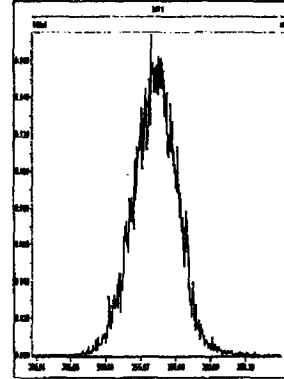
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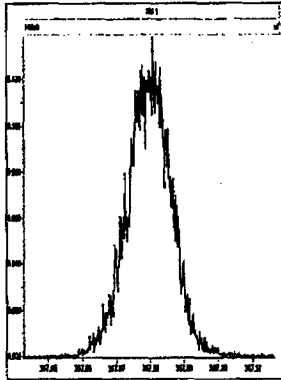
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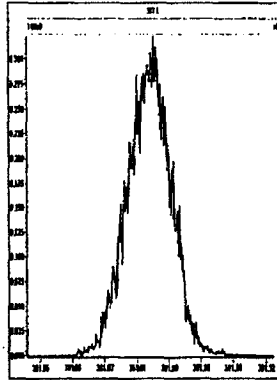
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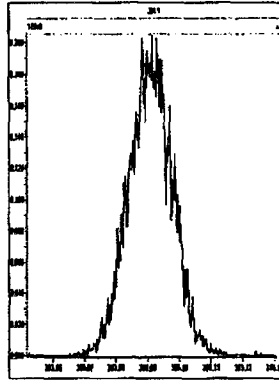
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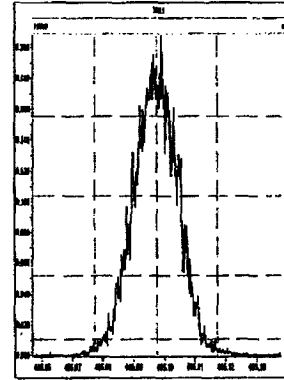
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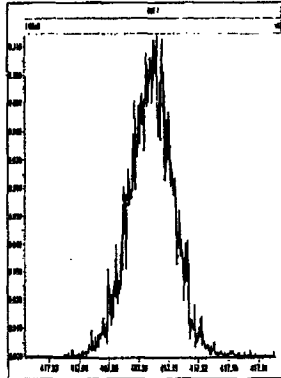
M 392.9760 R 13021



M 404.9760 R 13368



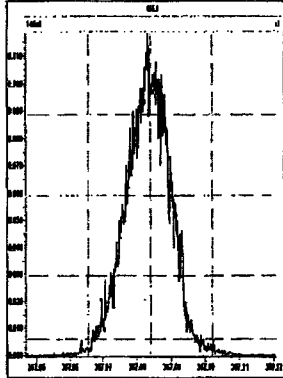
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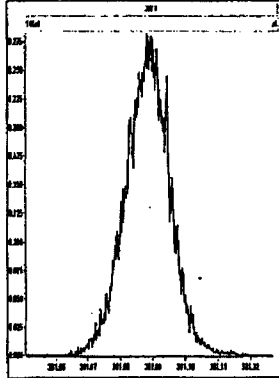
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 09:46:41 Pacific Daylight Time

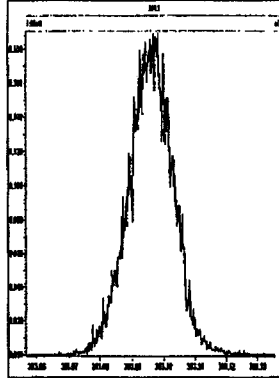
M 366.9792 R 11626



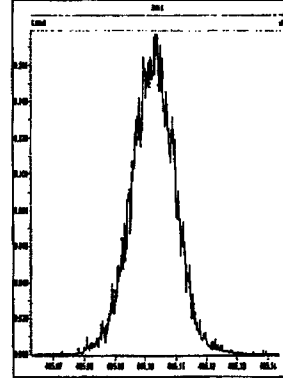
M 380.9760 R 12560



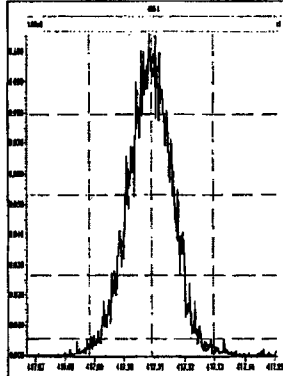
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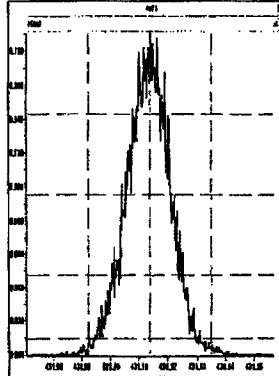
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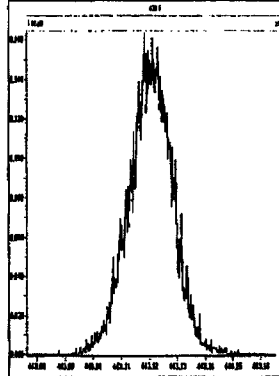
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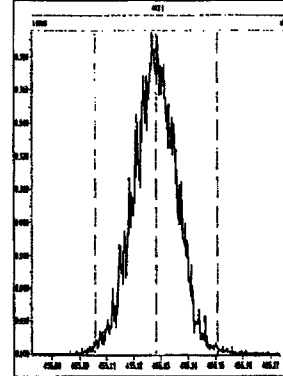
M 430.9728 R 12256



M 442.9728 R 12191



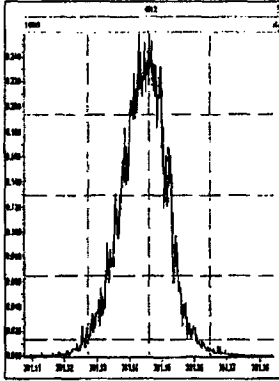
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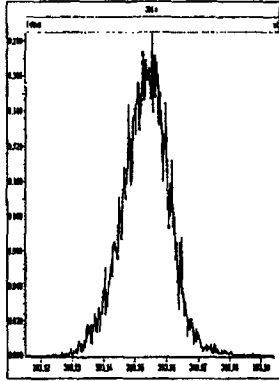
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Printed: Wednesday, October 20, 2010 09:47:16 Pacific Daylight Time

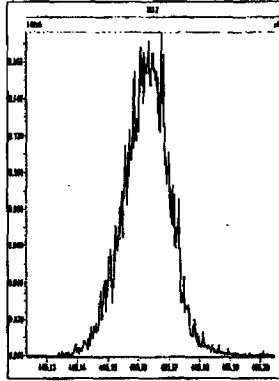
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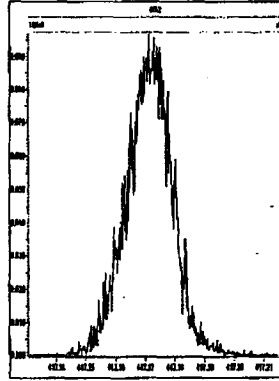
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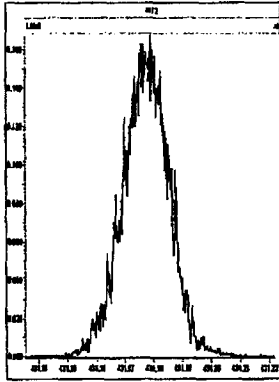
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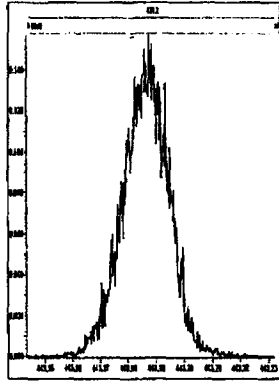
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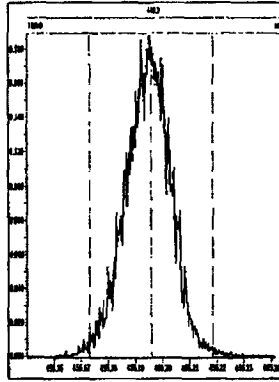
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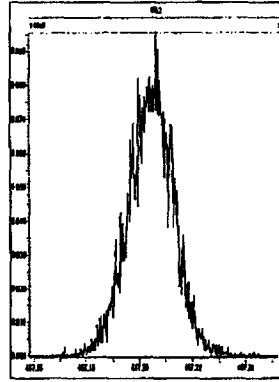
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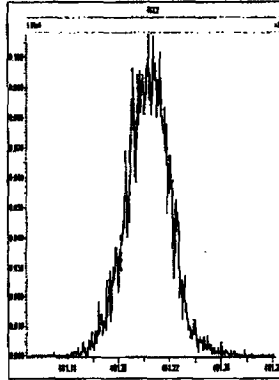
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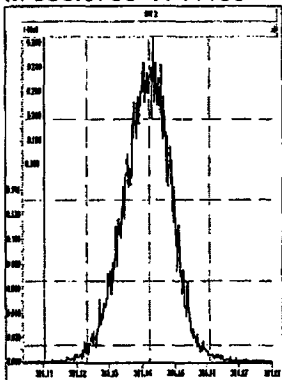
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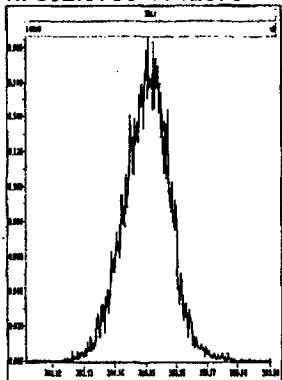
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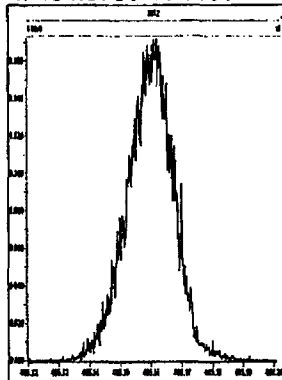
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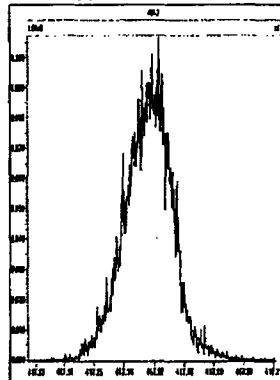
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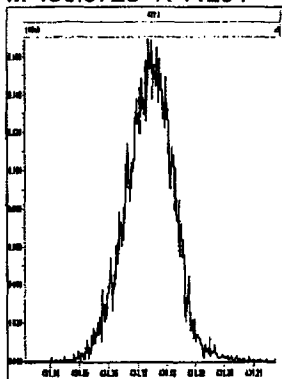
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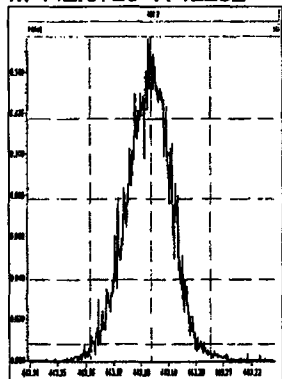
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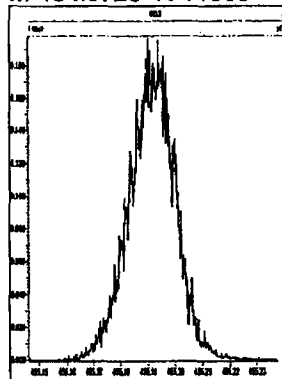
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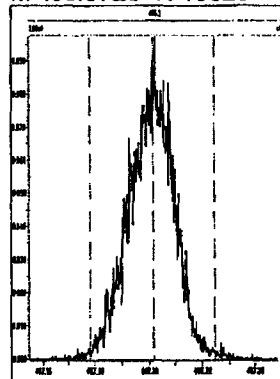
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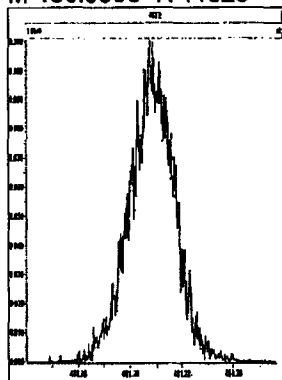
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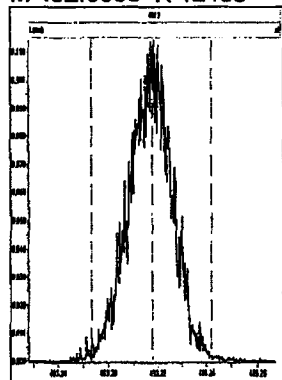
M 466.9728 R 13020



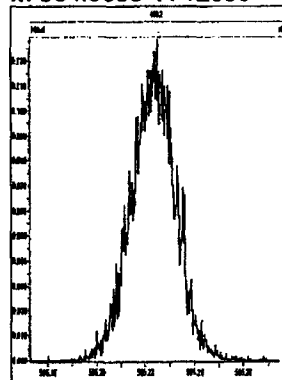
M 480.9696 R 11626



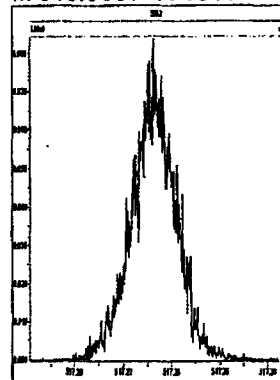
M 492.9696 R 12439



M 504.9696 R 12690



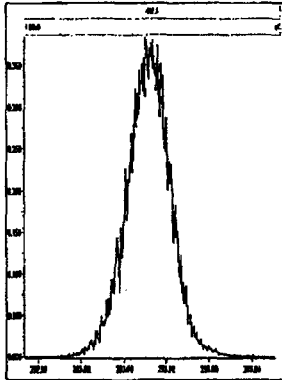
M 516.9697 R 13156



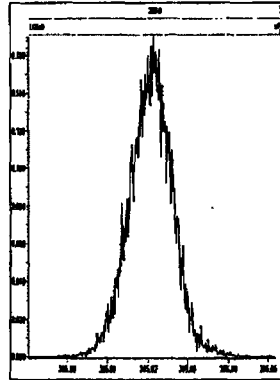
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:32:45 Pacific Daylight Time

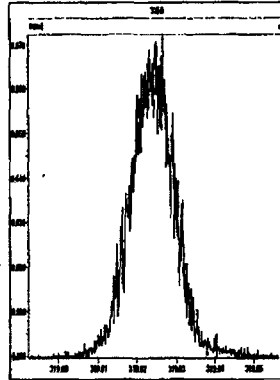
M 292.9824 R 11963



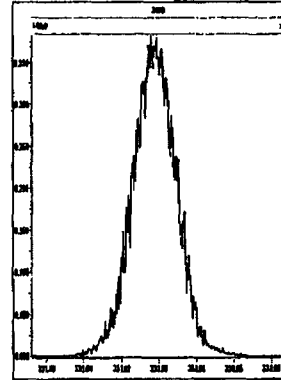
M 304.9824 R 12376



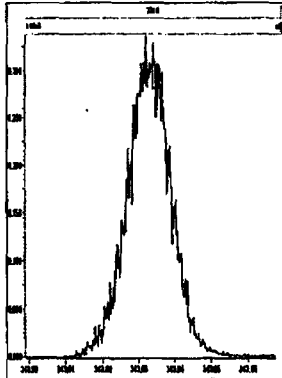
M 318.9792 R 13225



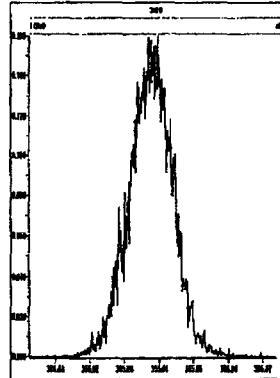
M 330.9792 R 12559



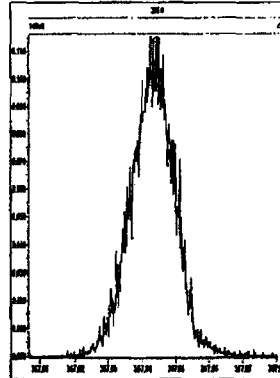
M 342.9792 R 12621



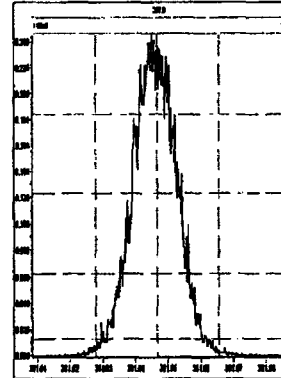
M 354.9792 R 13816



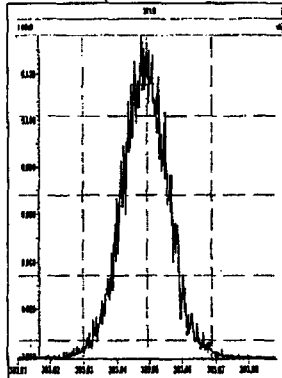
M 366.9792 R 12955



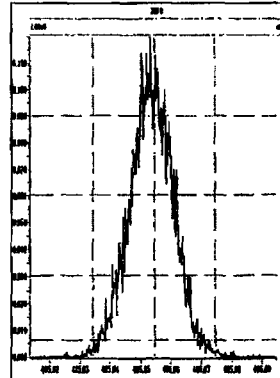
M 380.9760 R 12954



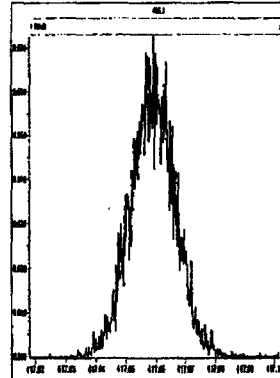
M 392.9760 R 11961



M 404.9760 R 12378



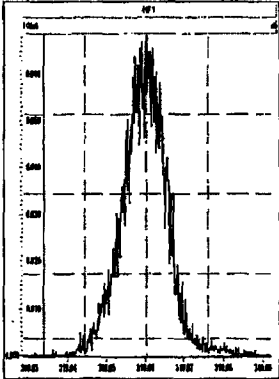
M 416.9760 R 12691



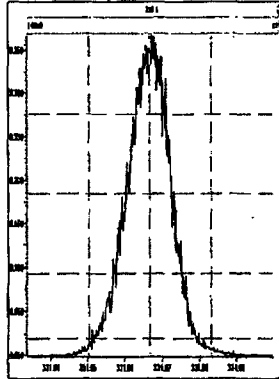
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:34:47 Pacific Daylight Time

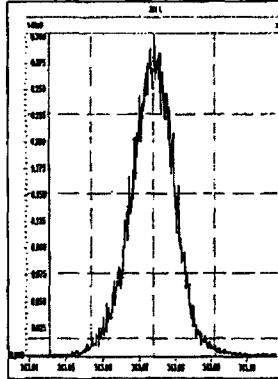
M 318.9792 R 12437



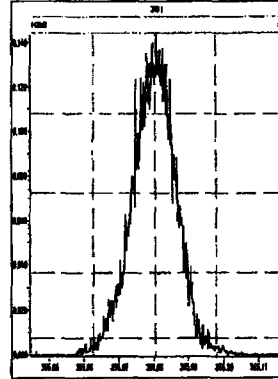
M 330.9792 R 12075



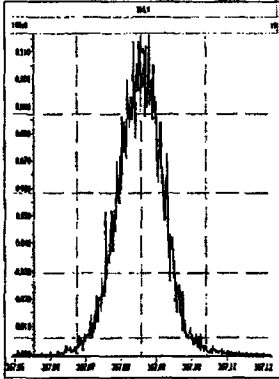
M 342.9792 R 12137



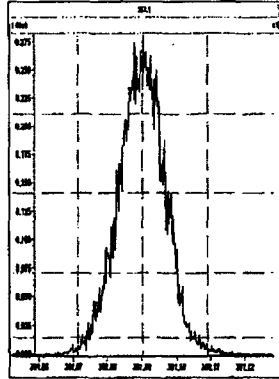
M 354.9792 R 12195



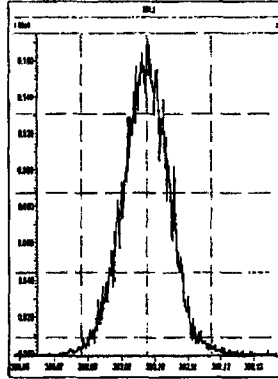
M 366.9792 R 12017



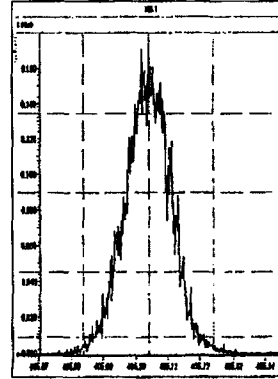
M 380.9760 R 12560



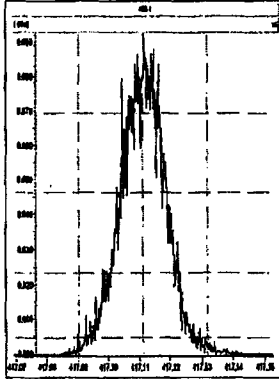
M 392.9760 R 12949



M 404.9760 R 12437



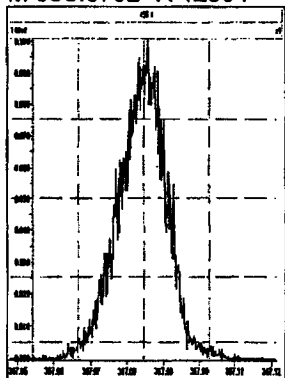
M 416.9760 R 13086



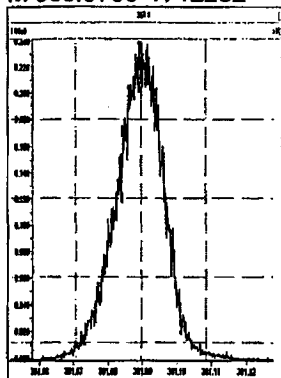
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:36:02 Pacific Daylight Time

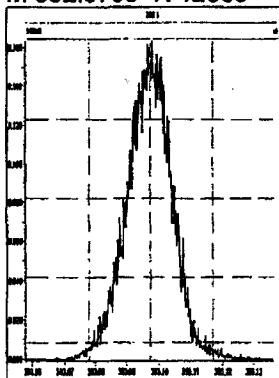
M 366.9792 R 12694



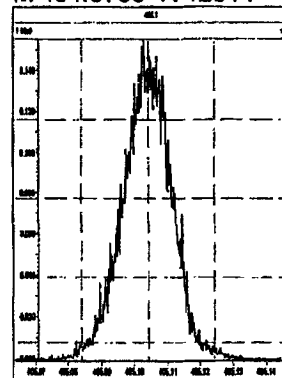
M 380.9760 R 12252



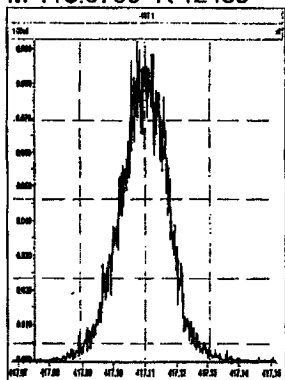
M 392.9760 R 12563



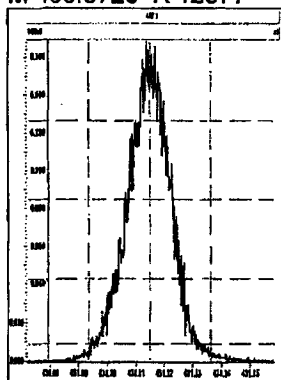
M 404.9760 R 12314



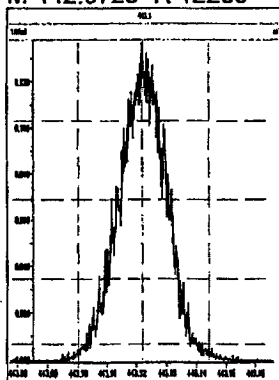
M 416.9760 R 12435



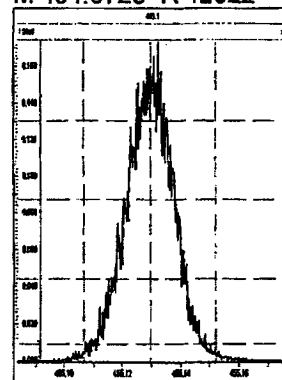
M 430.9728 R 12377



M 442.9728 R 12255



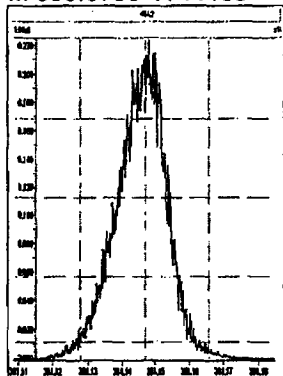
M 454.9728 R 12022



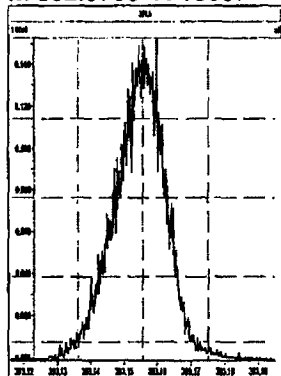
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:36:38 Pacific Daylight Time

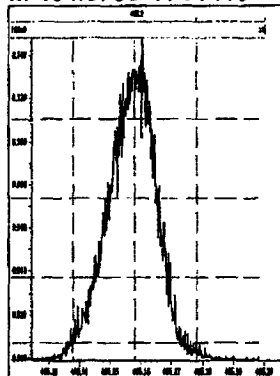
M 380.9760 R 11160



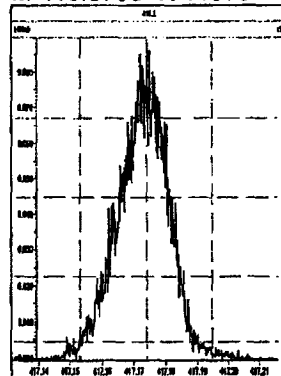
M 392.9760 R 10967



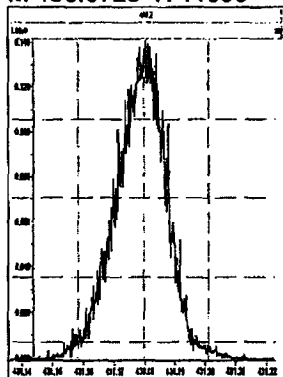
M 404.9760 R 11416



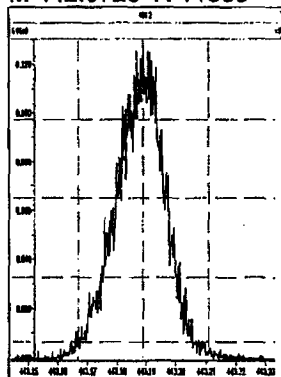
M 416.9760 R 11573



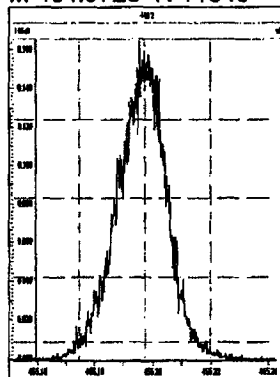
M 430.9728 R 11960



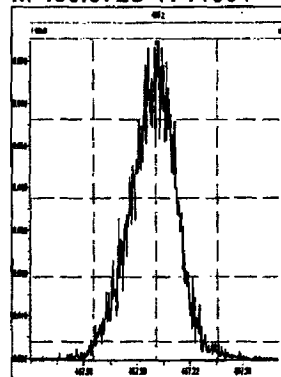
M 442.9728 R 11680



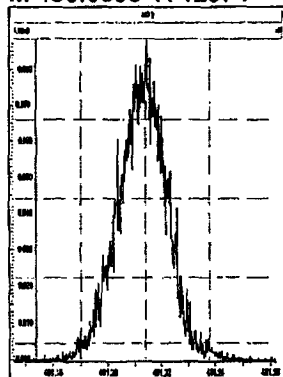
M 454.9728 R 11849



M 466.9728 R 11904



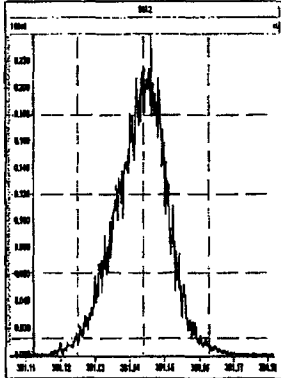
M 480.9696 R 12374



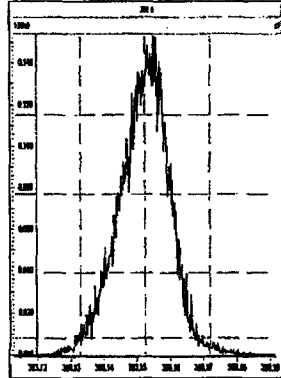
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:37:22 Pacific Daylight Time

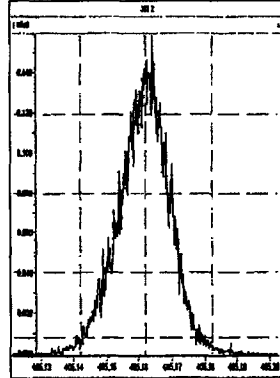
M 380.9760 R 10683



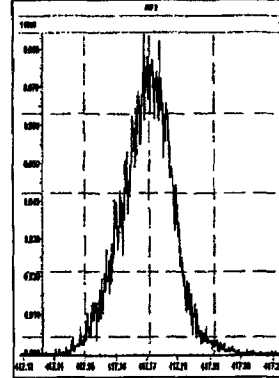
M 392.9760 R 10919



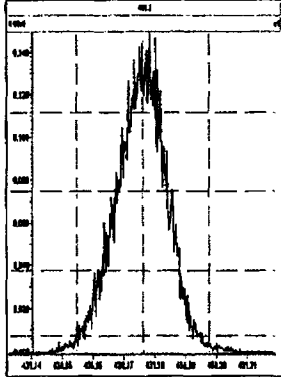
M 404.9760 R 11793



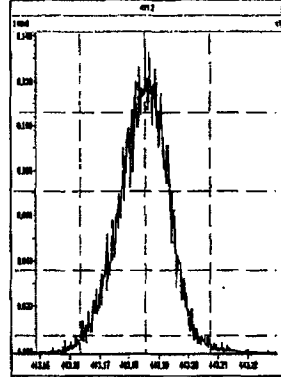
M 416.9760 R 12499



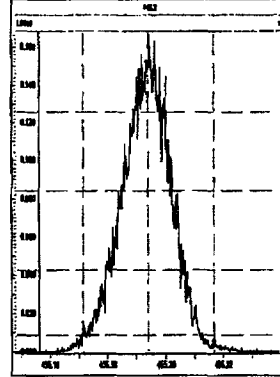
M 430.9728 R 12379



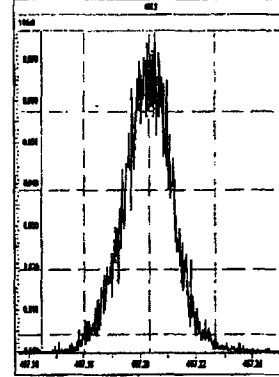
M 442.9728 R 11794



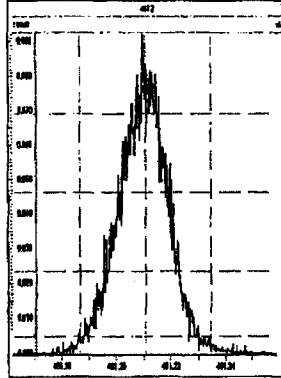
M 454.9728 R 11111



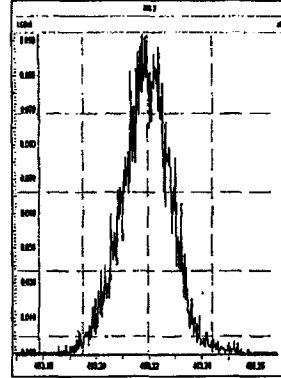
M 466.9728 R 11791



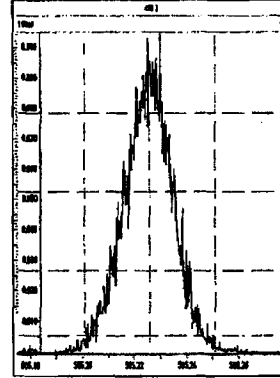
M 480.9696 R 13226



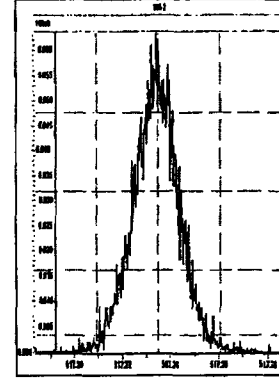
M 492.9696 R 12316



M 504.9696 R 12255



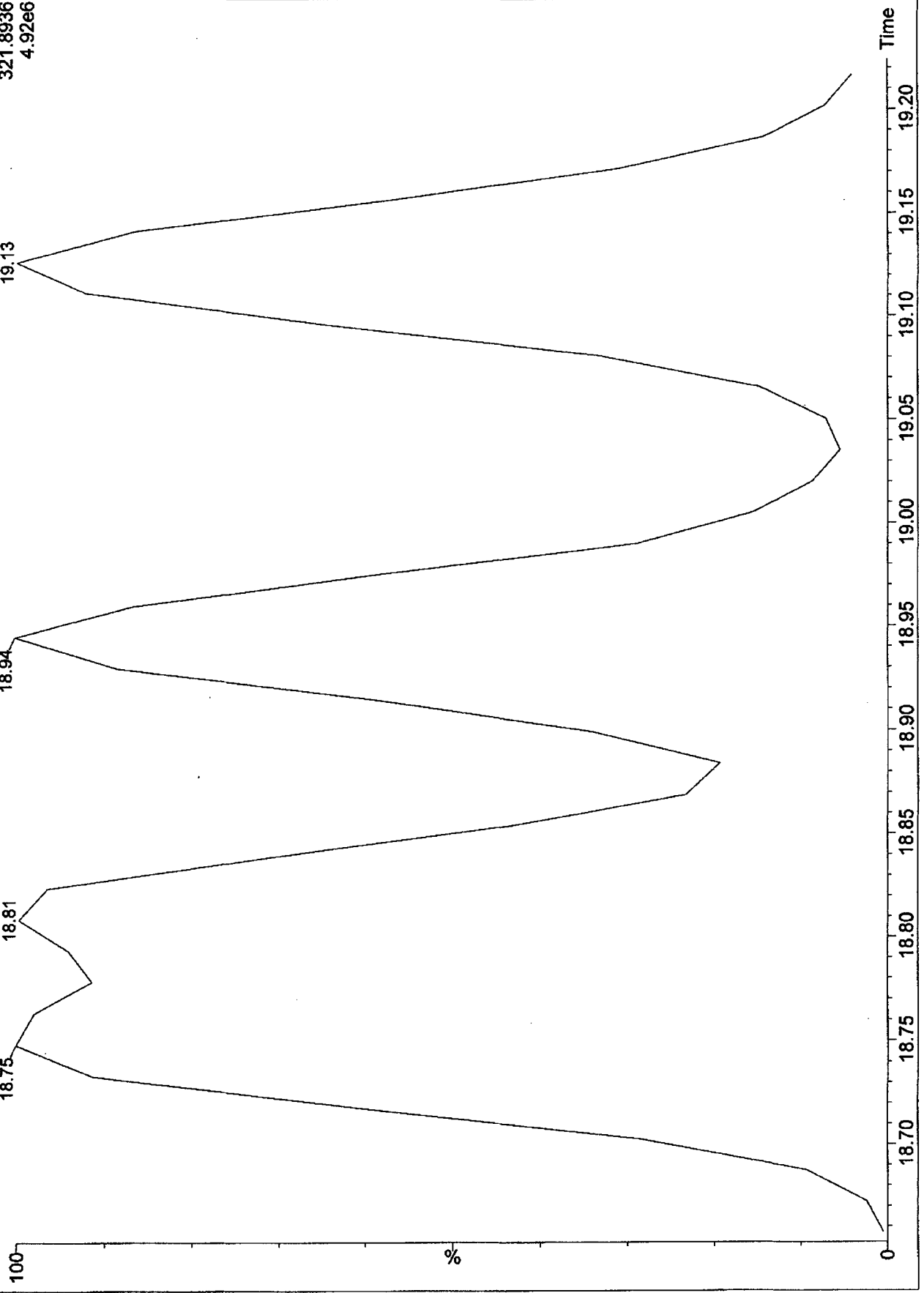
M 516.9697 R 12506

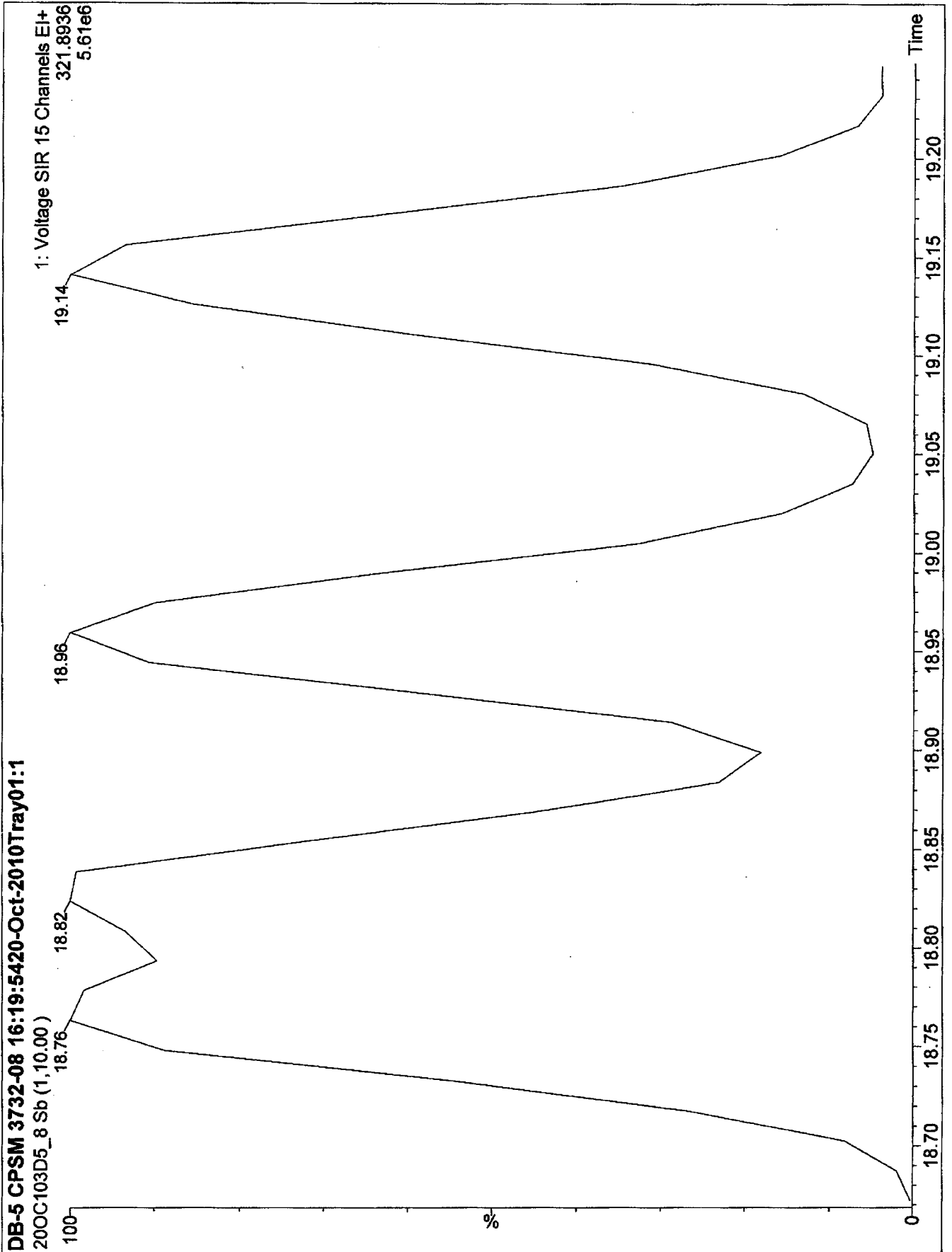


DB-5 CPSM 3732-0910:12:1320-Oct-2010Tray01:1

200C103D5_1 Sb (1,10.00)

1: Voltage SIR 15 Channels EI+
321.8936
4.92e6





Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

Last Altered: Wednesday, October 20, 2010 4:21:42 PM Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 4:22:16 PM Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5.mdb 18 Oct 2010 15:35:16
 Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D51613.cdb 20 Oct 2010 15:22:51

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340, Task:

#	Name	Trace	Sample Size	RT	Prt	RT	RRF	Abs Resp	Conc	EMPC	%Rec	EG	Ratio	Ptd:Ratio	Ratio	Mod Date	
1	13C-1,2,3,4-TCDD	331.9368	1.000	18.73	18.73	1.000	1.000	195699.19	2000.0000	2000.0000	100.0	13.4127	0.769	0.770	NO		
2																	
3	13C-2,3,7,8-TCDF	315.9419	1.000	18.17	18.17	1.330	1.330	269208.34	2068.7078	2068.7078	103.4	6.1047	0.785	0.770	NO		
4	2,3,7,8-TCDF	303.9016	1.000	18.19	18.19	0.972	0.972	23254.70	177.8304	177.8304	3.4726	3.4726	0.782	0.770	NO		
5	Total TCDFs	303.9016	1.000			21.44	0.972		177.8304	177.8304	3.4726						
6																	
7	13C-2,3,7,8-TCDD	331.9368	1.000	18.93	18.93	0.890	0.890	183434.33	2106.5314	2106.5314	105.3	15.0717	0.817	0.770	NO		
8	2,3,7,8-TCDD	319.8965	1.000	18.96	18.96	1.009	1.009	17471.23	188.8348	188.8348	4.6093	4.6093	0.716	0.770	NO		
9	Total TCDDs	319.8965	1.000			22.69	1.009		188.8348	188.8348	4.6093						
10																	
11	37Cl-2,3,7,8-TCDD	327.8847	1.000	18.96	18.96	0.578	0.578	23404.93	414.0001	0.0000	103.5	4.0672					
12																	
13	13C-1,2,3,7,8-PeCDF	351.9000	1.000	23.63	23.63	0.971	0.971	189914.24	1999.4595	1999.4595	100.0	8.5429	1.576	1.550	NO		
14	1,2,3,7,8-PeCDF	339.8597	1.000	23.67	23.67	1.099	1.099	49397.90	486.5823	486.5823	7.4726	7.4726	1.614	1.550	NO		
15	13C-2,3,4,7,8-PeCDF	351.9000	1.000	25.07	25.07	0.963	0.963	183847.17	1948.7972	1948.7972	97.4	8.6106	1.559	1.550	NO		
16	2,3,4,7,8-PeCDF	339.8597	1.000	25.10	25.10	1.036	1.036	47219.79	496.2474	496.2474	9.0718	9.0718	1.511	1.550	NO		
17	Total F2 PeCDFs	339.8597	1.000			34.47	1.053		982.8298	982.8298	8.2485						
18	Total F1 PeCDFs	339.8597	1.000			36.56	1.053				5.9438						
19																	
20	13C-1,2,3,7,8-PeCDD	367.8949	1.000	25.86	25.86	0.715	0.715	137711.49	1967.7395	1967.7395	98.4	7.7464	1.575	1.550	NO		
21	1,2,3,7,8-PeCDD	355.8546	1.000	25.89	25.89	0.884	0.884	29804.02	489.6018	489.6018	8.4120	8.4120	1.504	1.550	NO		
22	Total PeCDDs	355.8546	1.000			31.10	0.884		489.6018	489.6018	8.4120						
23																	
24	13C-1,2,3,7,8,9-HxCDD	401.8559	1.000	32.77	32.77	1.000	1.000	112037.56	2000.0000	2000.0000	100.0	7.1890	1.327	1.240	NO		
25																	
26	13C-1,2,3,4,7,8-HxCDF	383.8639	1.000	31.48	31.48	1.084	1.084	135699.70	2233.8730	2233.8730	111.7	15.8840	0.523	0.510	NO		
27	1,2,3,4,7,8-HxCDF	373.8208	1.000	31.49	31.49	1.219	1.219	39141.96	473.4394	473.4394	6.0125	6.0125	1.218	1.240	NO		
28	13C-1,2,3,6,7,8-HxCDF	383.8639	1.000	31.61	31.61	1.388	1.388	167625.23	2155.7188	2155.7188	107.8	12.4089	0.533	0.510	NO		
29	1,2,3,6,7,8-HxCDF	373.8208	1.000	31.63	31.63	1.093	1.093	44174.83	482.3065	482.3065	5.5113	5.5113	1.231	1.240	NO		
30	13C-2,3,4,6,7,8-HxCDF	383.8639	1.000	32.24	32.24	1.179	1.179	144320.79	2184.3776	2184.3776	109.2	14.6042	0.532	0.510	NO		
31	2,3,4,6,7,8-HxCDF	373.8208	1.000	32.25	32.25	1.138	1.138	40628.65	494.8399	494.8399	4.8167	4.8167	1.225	1.240	NO		

MassLynx 4.1

Quantify Sample Summary Report

Dataset: C:\MassLynx\JAN2010.PRO\200C103D56SECONDSOURCE.qld

Last Altered: Wednesday, October 20, 2010 4:21:42 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 4:22:16 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340, Task:

# Name	Trace	Sample Size	RT	Pd/RT	RRE M	Abs Resp	Coic	EMPC	%Rec	EDL	Ratio	Pd Ratio	Ratio	Mod Date
32	13C-1,2,3,7,8,9-HxCDF	383.8639	1.000	32.94	32.94	1.038	129402.34	2225.5858	111.3	16.5952	0.510	0.510	NO	
33	1,2,3,7,8,9-HxCDF	373.8208	1.000	32.96	32.96	1.126	34720.05	476.4458	5.2503	5.2503	1.249	1.240	NO	
34	Total HxCDFs	373.8208	1.000		0.00	1.144	1927.0307	1927.0307		5.3933				
35														
36	13C-1,2,3,4,7,8-HxCDD	401.8559	1.000	32.40	32.40	0.895	103905.62	2071.9591	103.6	8.0305	1.281	1.240	NO	
37	1,2,3,4,7,8-HxCDD	389.8157	1.000	32.41	32.41	1.027	25558.52	479.1123	5.1489	5.1489	1.240	1.240	NO	
38	13C-1,2,3,6,7,8-HxCDD	401.8559	1.000	32.48	32.48	0.894	111735.10	2229.8909	111.5	8.0370	1.276	1.240	NO	
39	1,2,3,6,7,8-HxCDD	389.8157	1.000	32.50	32.49	1.111	28623.10	461.3495	5.3538	5.3538	1.294	1.240	NO	
40	1,2,3,7,8,9-HxCDD	389.8157	1.000	32.78	32.78	1.113	28222.25	470.4411	5.0577	5.0577	1.175	1.240	NO	
41	Total HxCDDs	389.8157	1.000		0.00	1.083	1421.6250	1419.2336		5.1950				
42														
43	13C-1,2,3,4,6,7,8-HpCDF	417.8253	1.000	34.29	34.30	0.881	111970.43	2269.2780	113.5	11.1628	0.437	0.440	NO	
44	1,2,3,4,6,7,8-HpCDF	407.7818	1.000	34.31	34.31	1.402	38516.36	490.8247	5.2161	5.2161	1.039	1.040	NO	
45	13C-1,2,3,4,7,8,9-HpCDF	417.8253	1.000	35.40	35.40	0.781	92971.35	2124.0599	106.2	12.5836	0.485	0.440	NO	
46	1,2,3,4,7,8,9-HpCDF	407.7818	1.000	35.41	35.41	1.349	31287.46	498.8419	7.1321	7.1321	0.998	1.040	NO	
47	Total HpCDFs	407.7818	1.000		0.00	1.375	989.8666	989.8666		6.0779				
48														
49	13C-1,2,3,4,6,7,8-HpCDD	435.8169	1.000	35.10	35.10	0.857	111013.59	2311.3056	115.6	15.2751	0.992	1.040	NO	
50	1,2,3,4,6,7,8-HpCDD	423.7766	1.000	35.11	35.11	0.981	24457.80	449.1228	5.4998	5.4998	1.037	1.040	NO	
51	Total HpCDDs	423.7766	1.000		0.03	0.981	466.1413	456.1119		5.4998				
52														
53	13C-OCDD	469.7779	1.000	37.53	37.53	0.643	160970.17	4467.7469	111.7	19.4432	0.927	0.890	NO	
54	OCDF	441.7428	1.000	37.64	37.64	1.477	55537.96	934.3423	6.7604	6.7604	0.908	0.890	NO	
55	OCDD	457.7377	1.000	37.54	37.54	1.196	46112.76	957.9245	7.1027	7.1027	0.903	0.890	NO	
56														
57														
58	Function 1 PFK	330.97920	1.000			0.00								
59	Function 3 PFK	380.97600	1.000			0.00								
60	Function 2 PFK	342.97920	1.000			0.00								
61	Function 4 PFK	430.97290	1.000			0.00								
62	Function 5 PFK	442.97280	1.000			0.00								
63	TCDF PCDFE	375.8364	1.000			17.814								
64	F1 PeCDF PCDFE	409.79740	1.000	19.32	19.31	97.109	25.89	0.2666	26.7	0.2043				
65	F2 PeCDF PCDFE	409.7974	1.000			28.29								
66	HxCDF PCDFE	445.7555	1.000			33.24								

Quantify Sample Summary Report

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:21:42 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:22:16 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340, Task:

# Name	Trace	Sample Size	RT	Pr. RT	RRE M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
67	HPCDF PCDPE	1.000	34.31	34.27	39.173	80.44	2.0534		205.3	1.9155				
68	OCDF PCDPE	1.000	39.22	39.16	27.302	104.87	3.8409		384.1	0.1769				

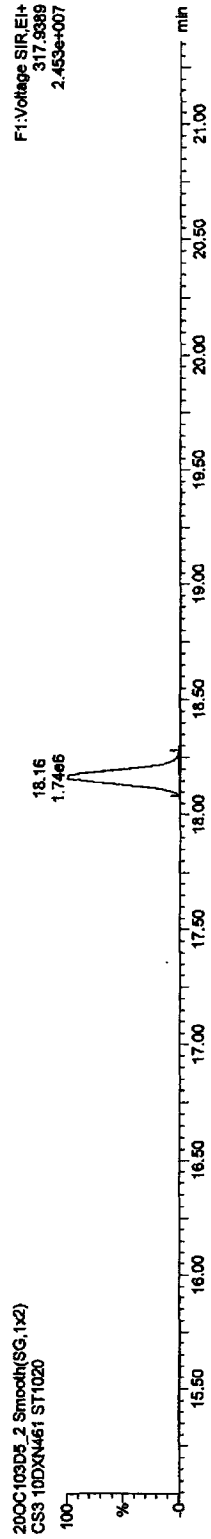
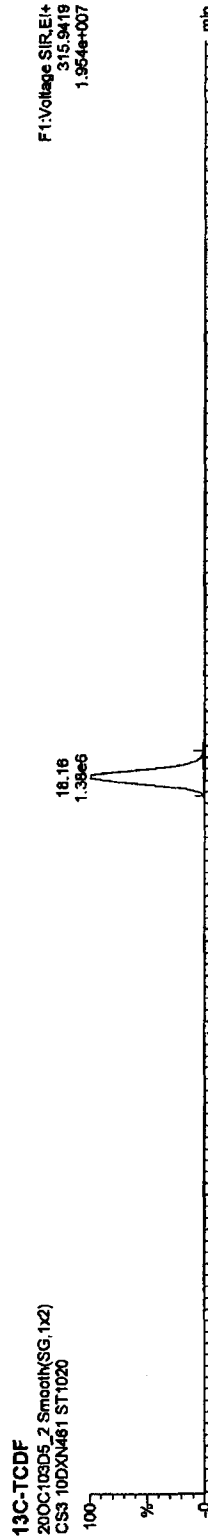
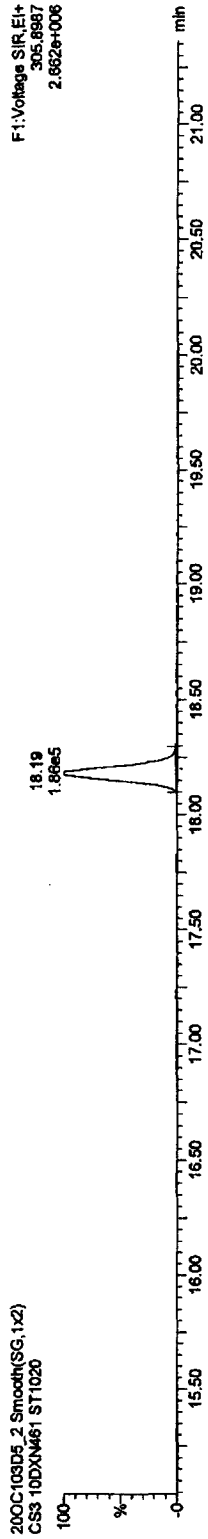
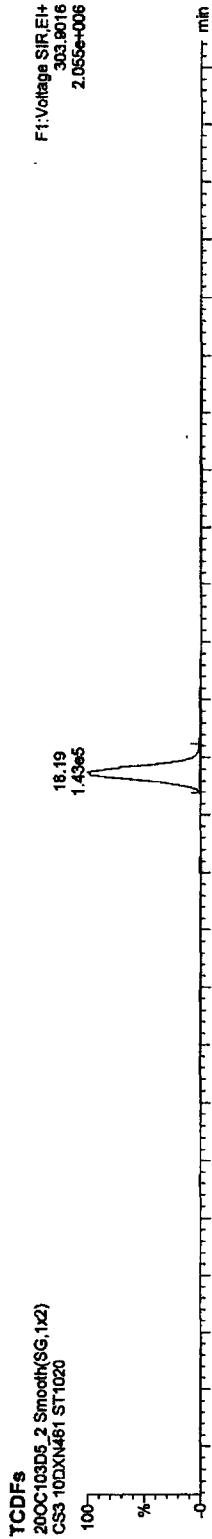
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Method: C:\MassLynx\JAN2010\PROIMeth\DB16133D5.mdb 18 Oct 2010 15:35:16
Calibration: 20 Oct 2010 15:22:51

Name: 200C103D5_2_Data: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

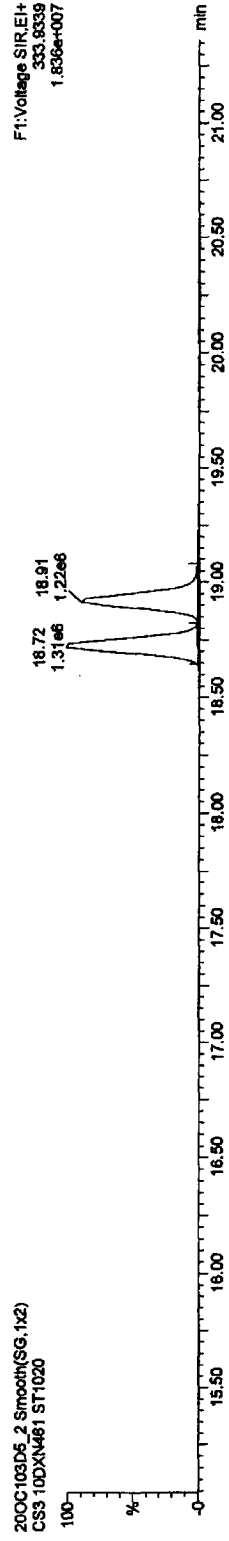
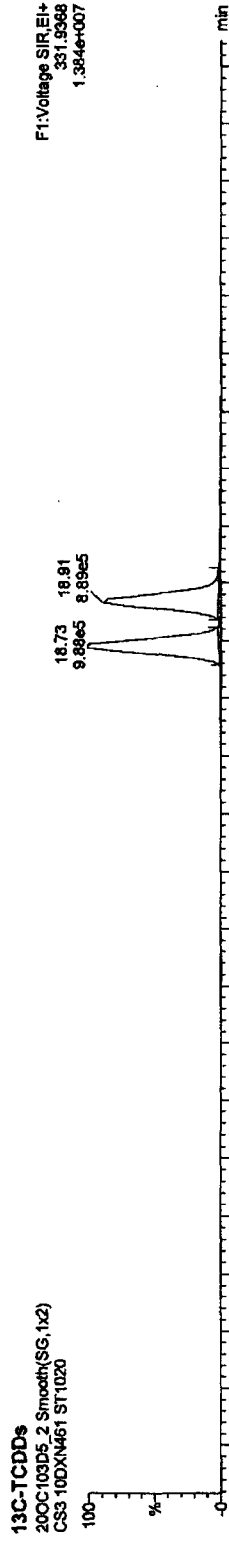
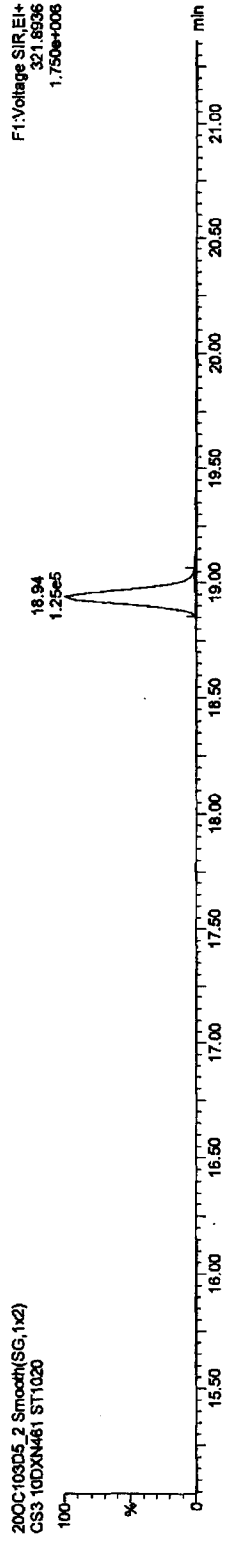
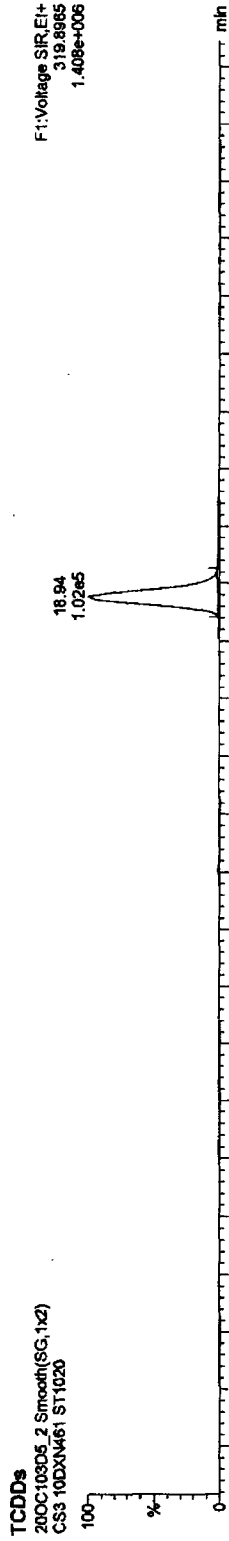


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\NCA1020103D51613.qld

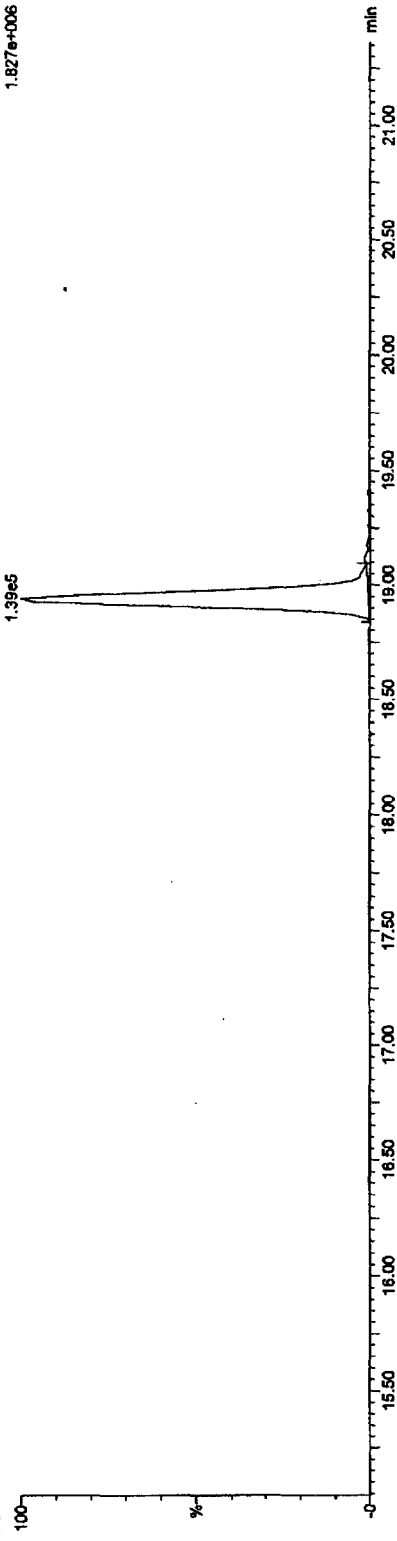
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

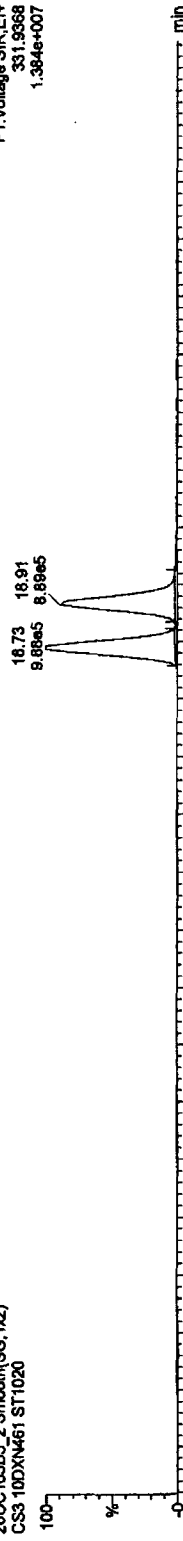
37CL-2,3,7,8-TCDD
20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

F1:Voltage SIR,EI+
327.8847
1.827e+006



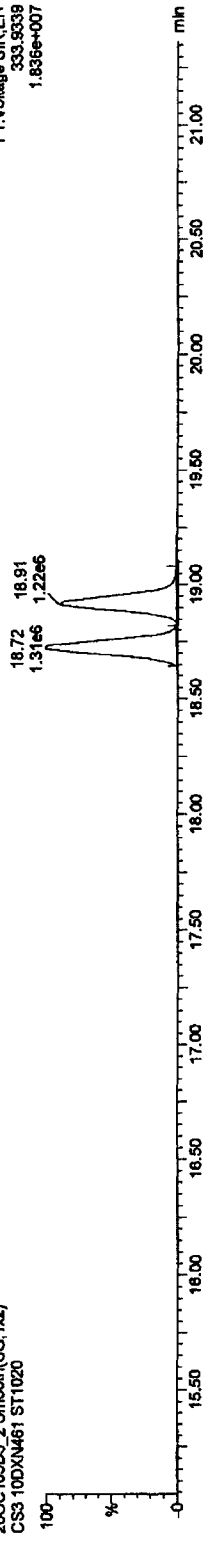
13C-TCDDs
20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

F1:Voltage SIR,EI+
331.9368
1.384e+007



20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

F1:Voltage SIR,EI+
333.8338
1.886e+007

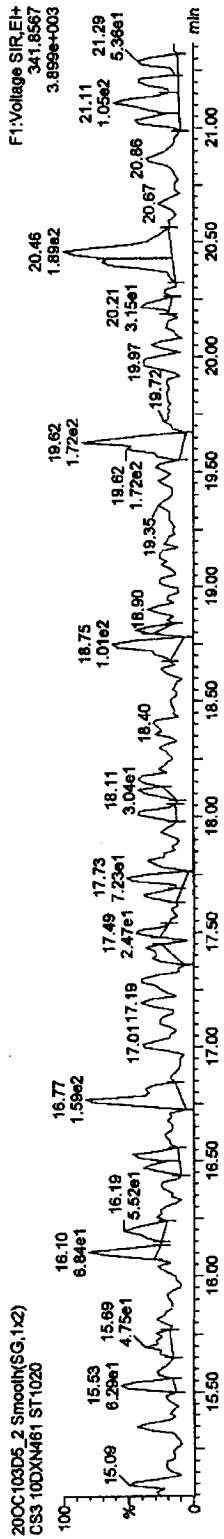
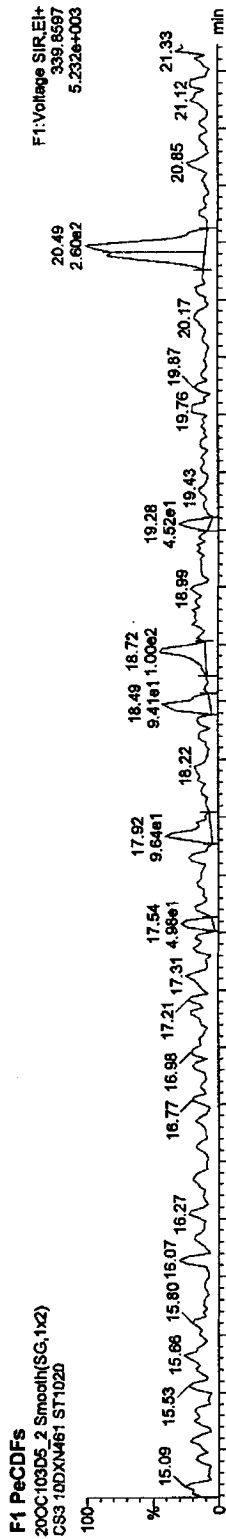


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461



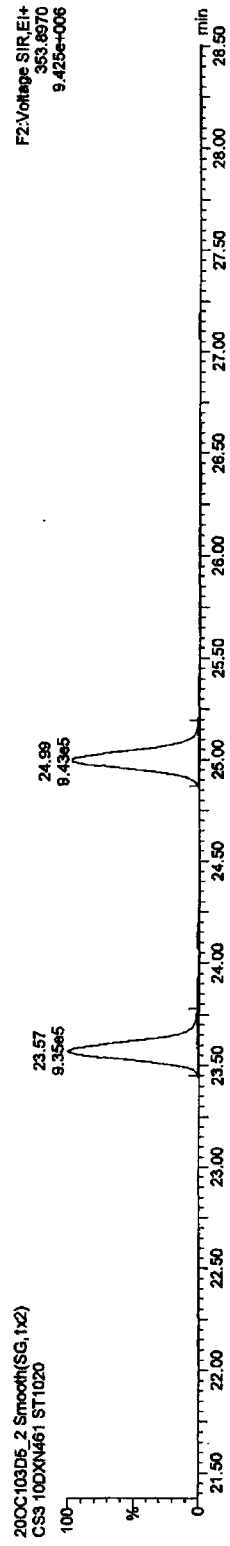
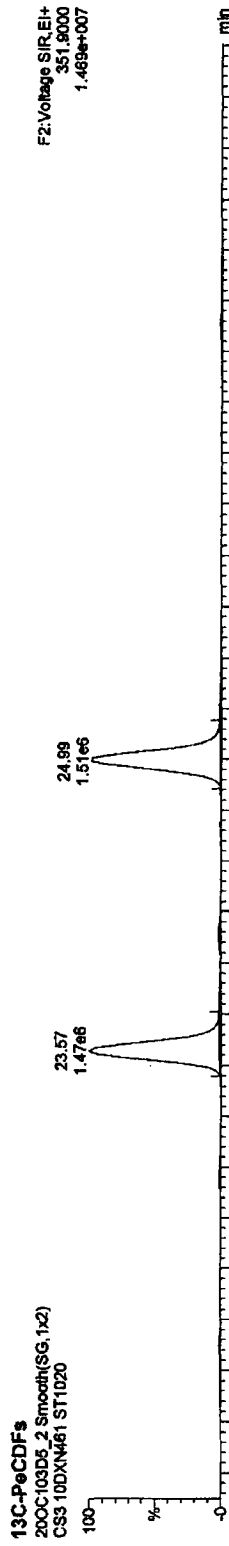
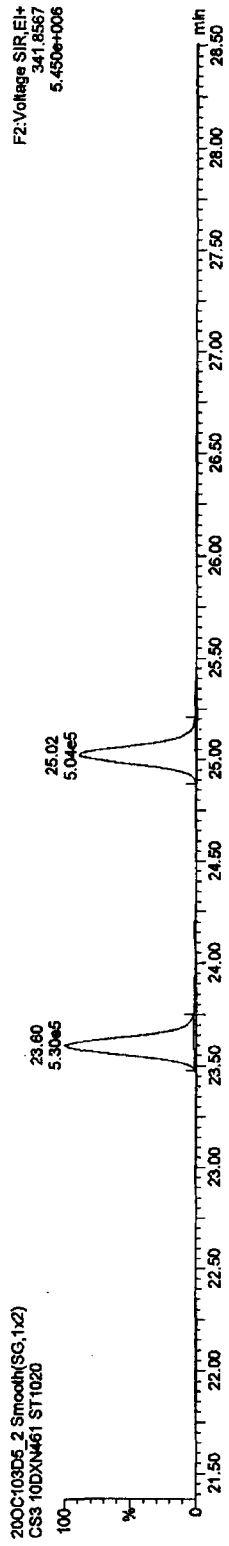
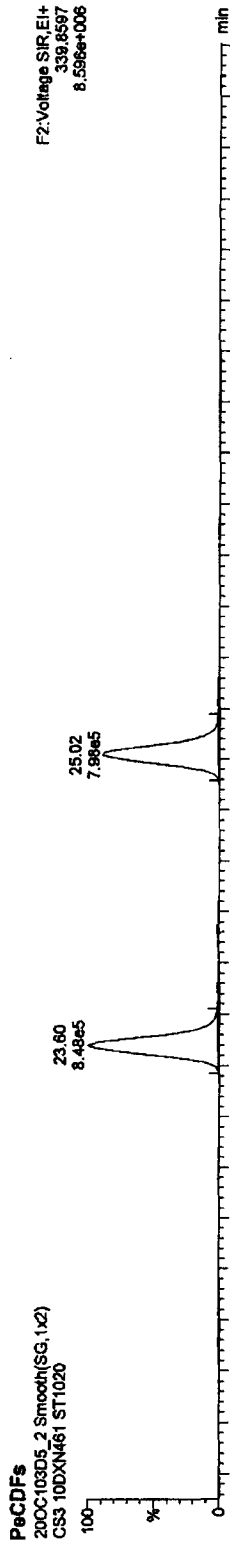
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461



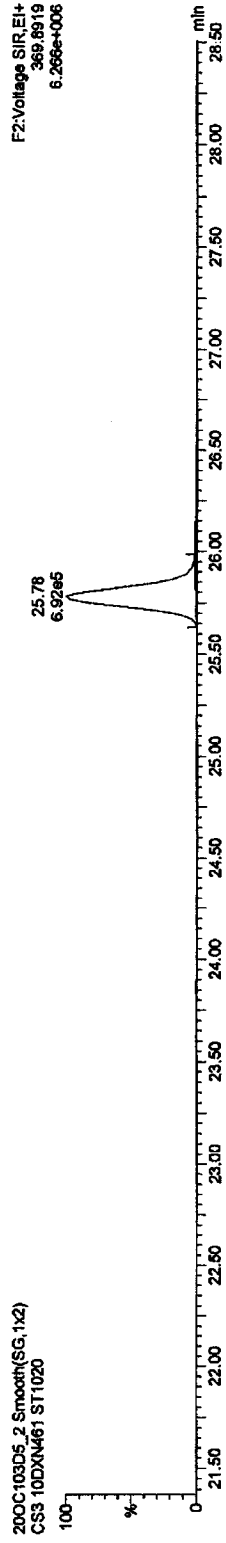
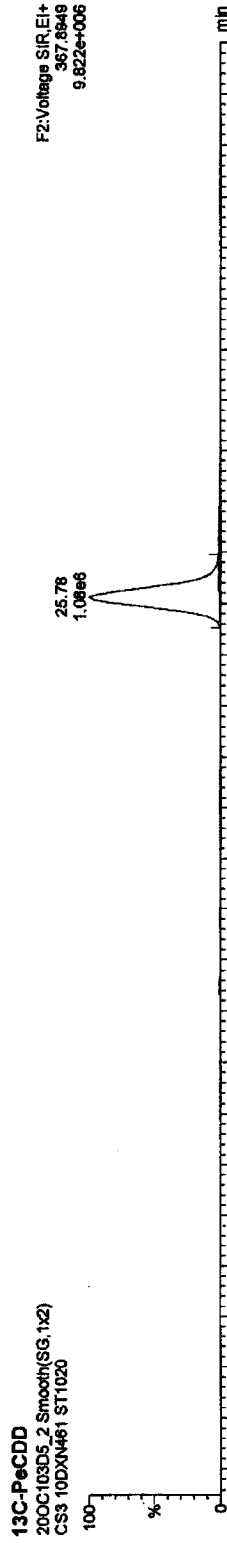
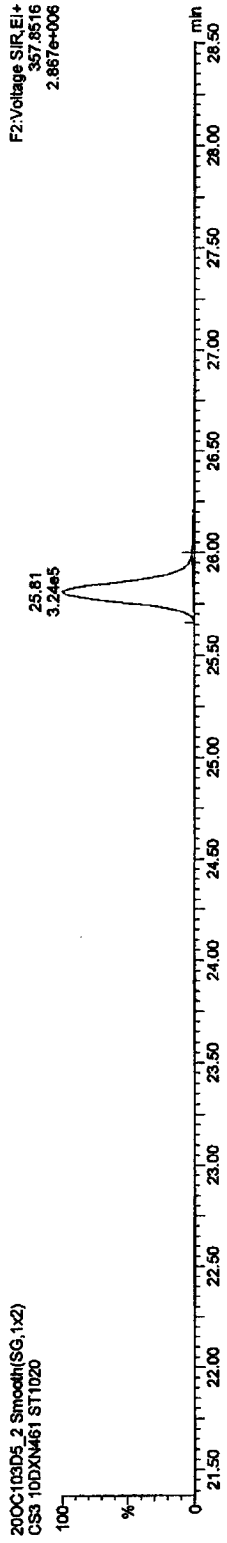
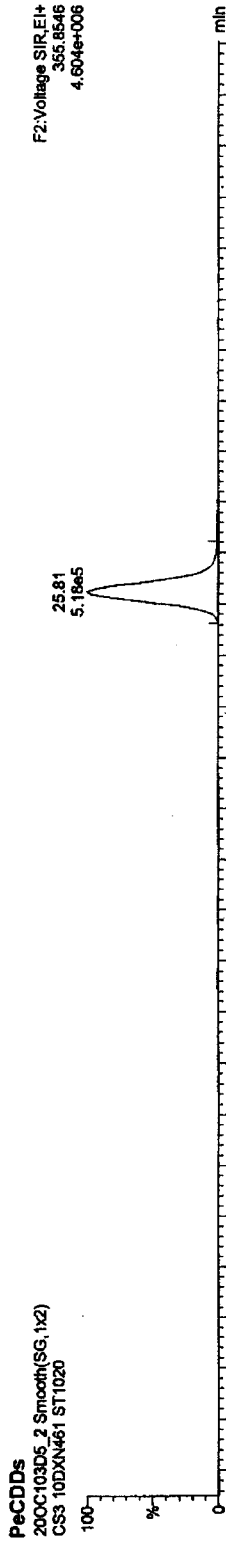
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461



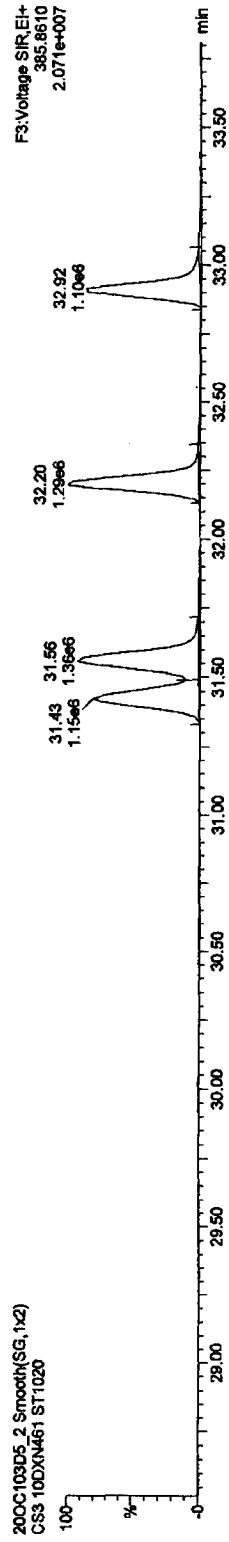
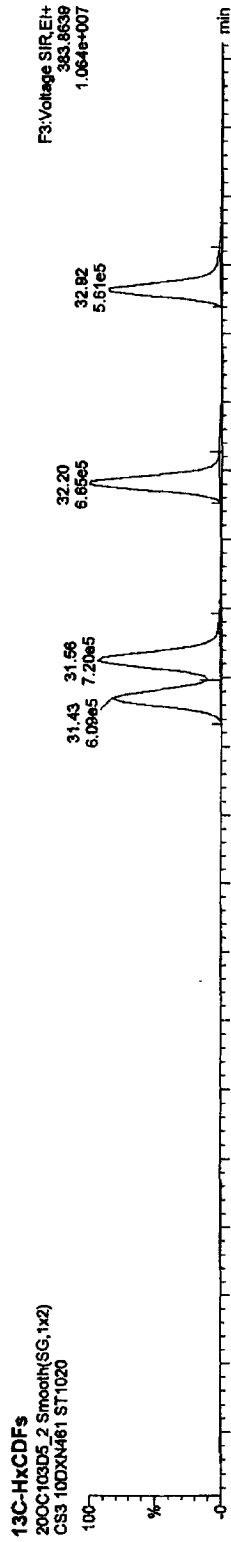
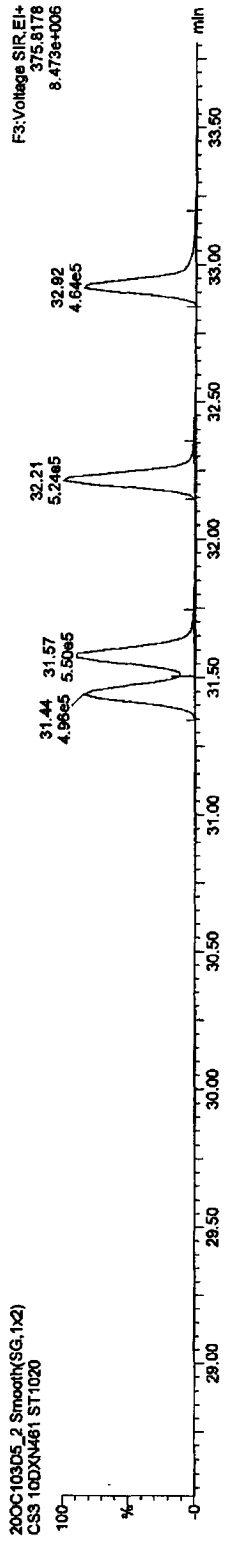
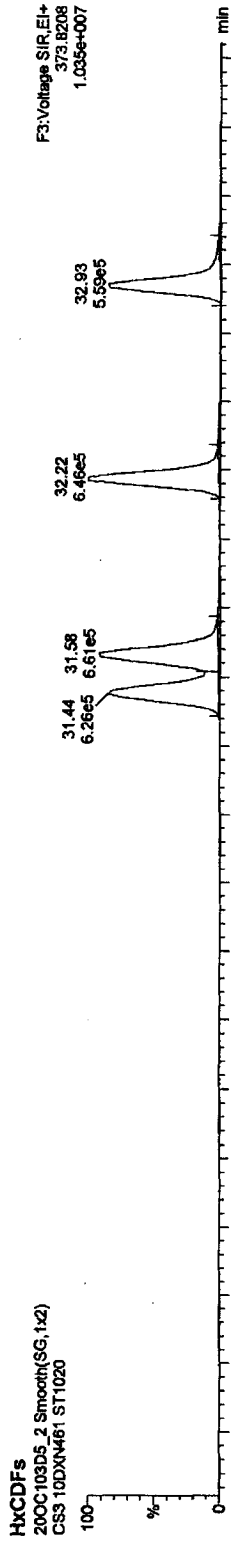
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

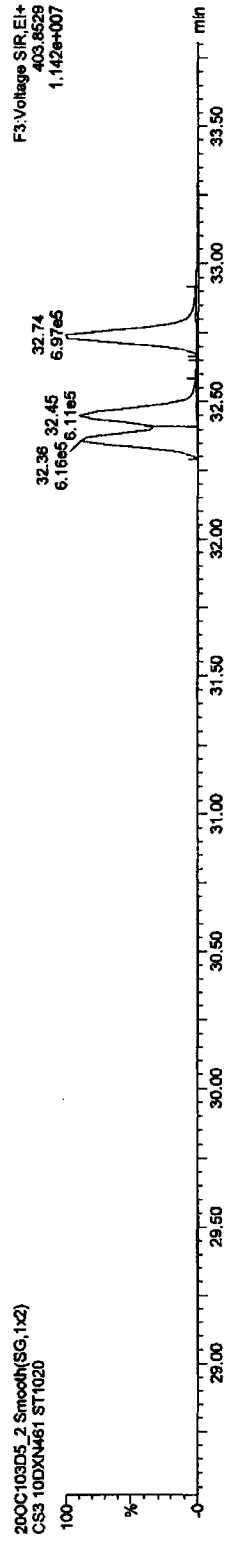
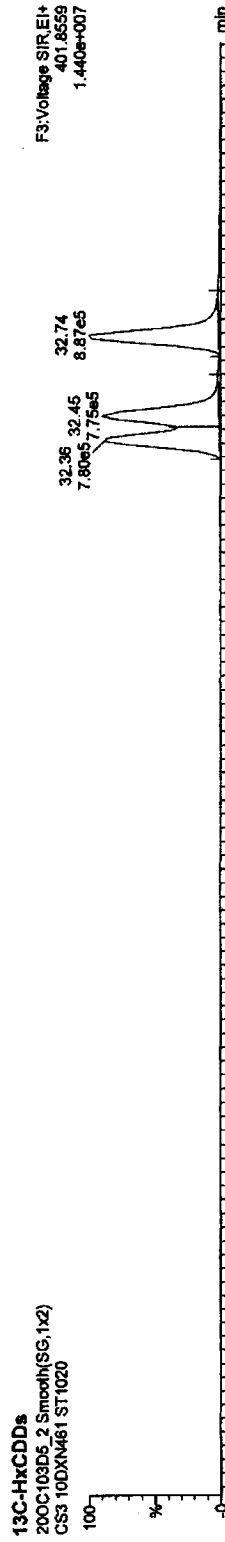
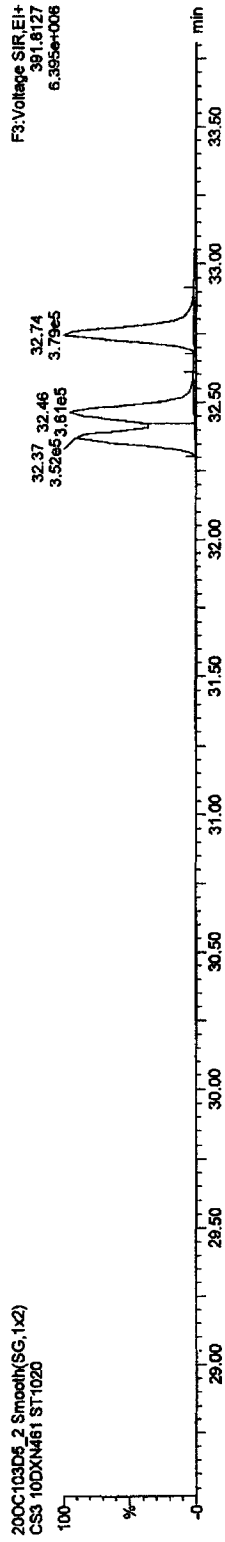
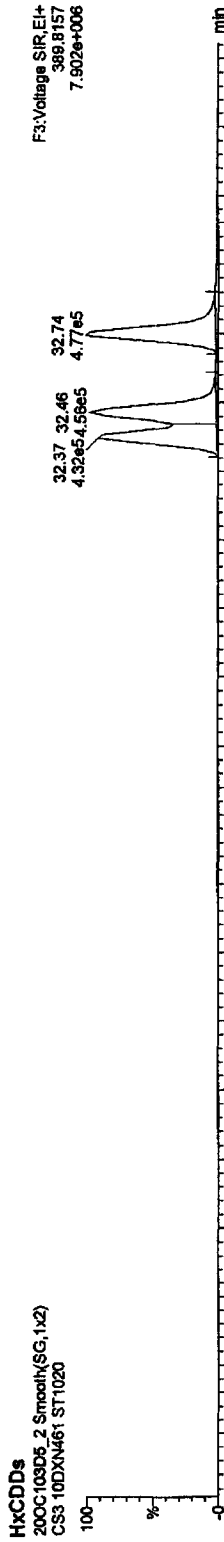


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461



Quantify Sample Report MassLynx 4.1

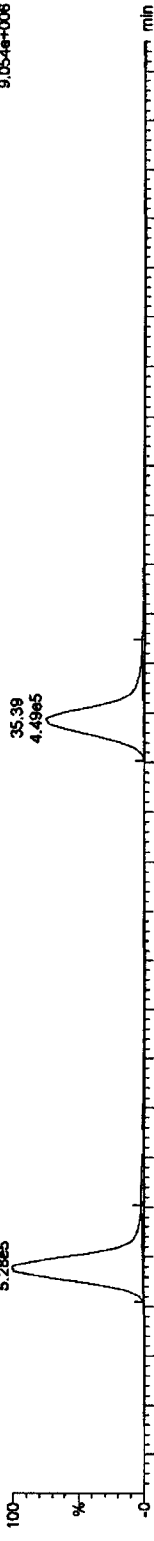
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Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

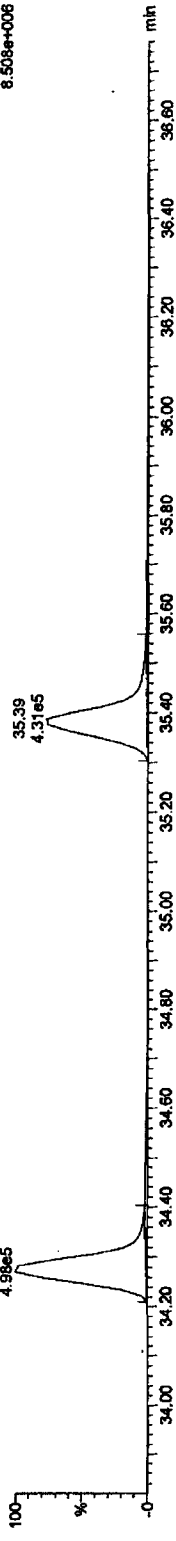
Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

HpCDFs

200C103D5_2 Smooth(SG,1x2)
 CS3 10DXN461 ST1020

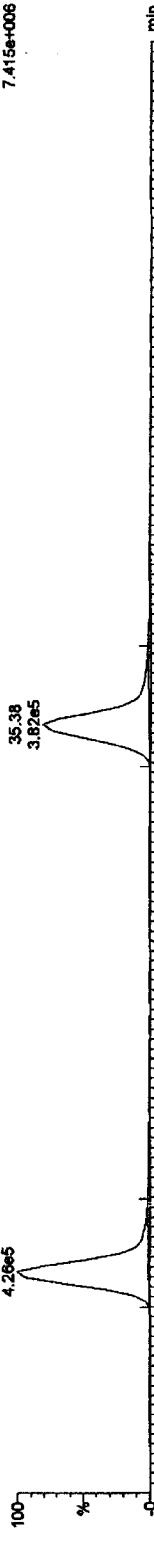


200C103D5_2 Smooth(SG,1x2)
 CS3 10DXN461 ST1020

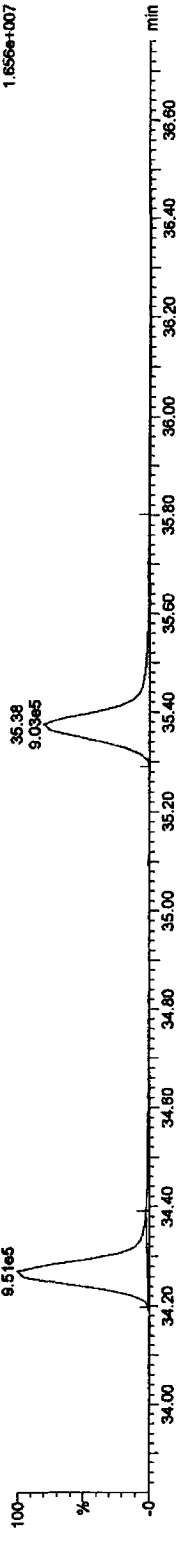


13C-HpCDFs

200C103D5_2 Smooth(SG,1x2)
 CS3 10DXN461 ST1020



200C103D5_2 Smooth(SG,1x2)
 CS3 10DXN461 ST1020



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\ICA1020103D51613.qld

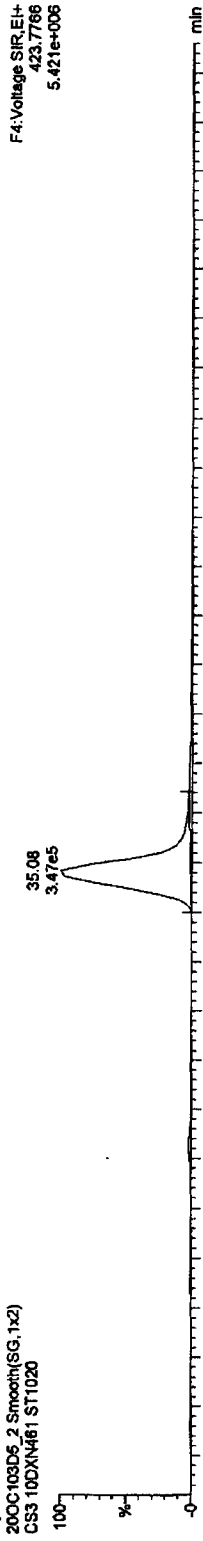
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

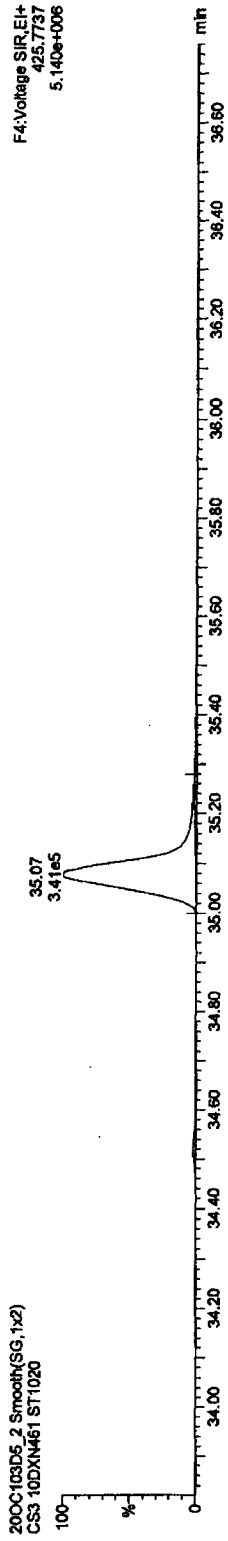
Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

HpCDDs

20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

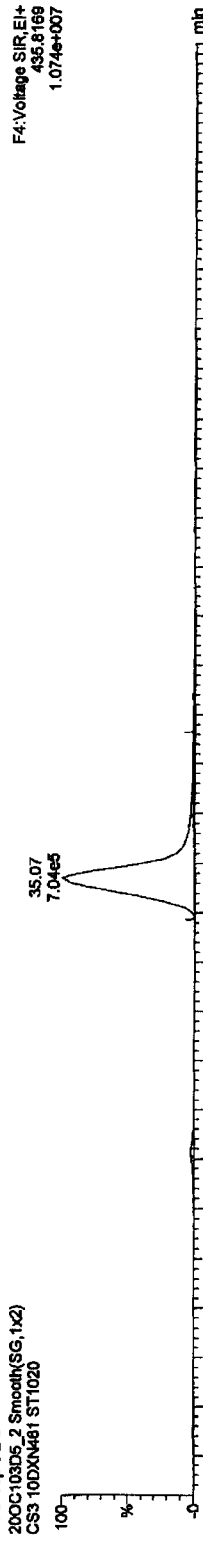


20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

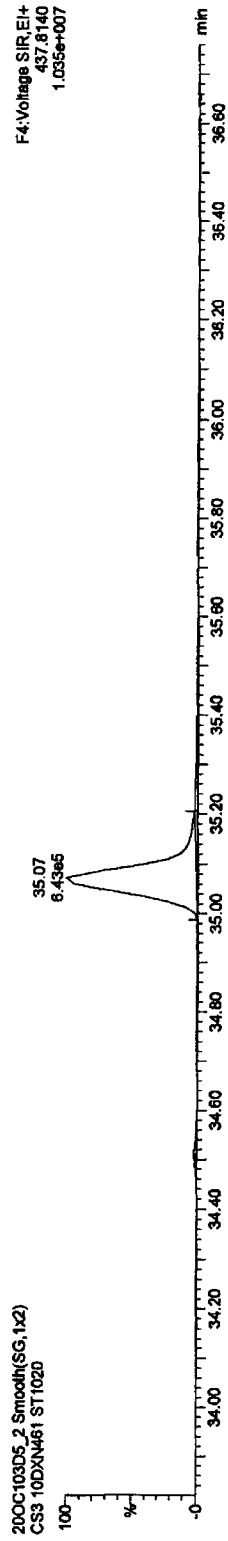


13C-HpCDD

20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020



20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

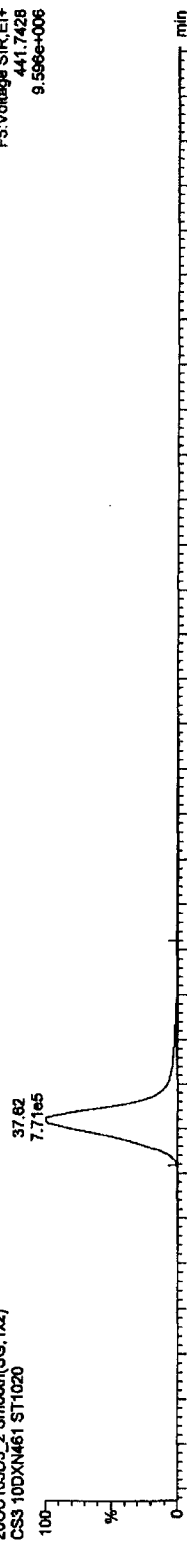
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

OCDFs

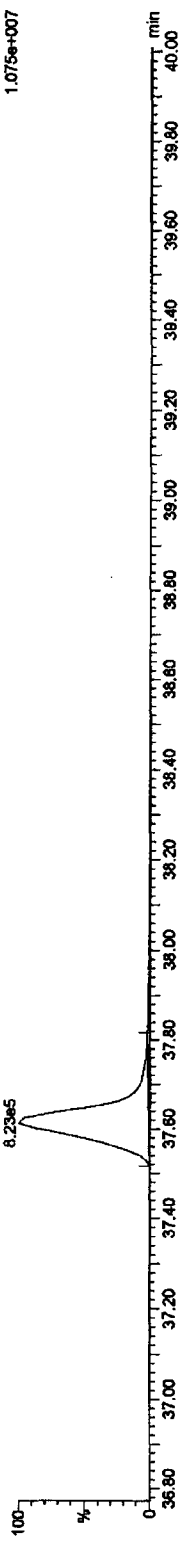
200C103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

FS:Voltage SIR.EI+
441.7428
9.596e+006



200C103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

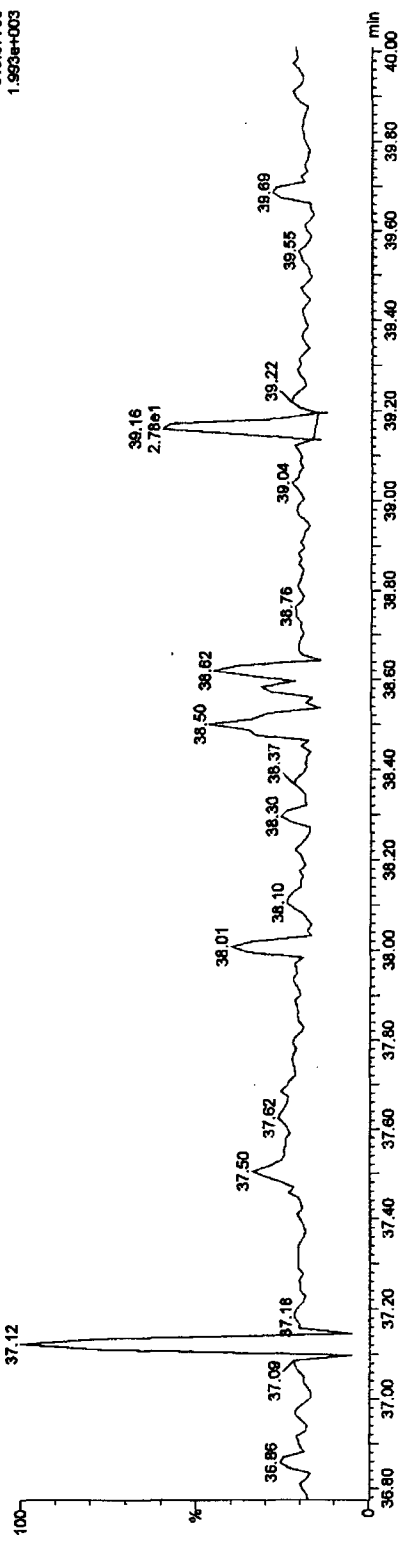
FS:Voltage SIR.EI+
443.7399
1.075e+007



OCDF PCDFE

200C103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

FS:Voltage SIR.EI+
513.87750
1.963e+003



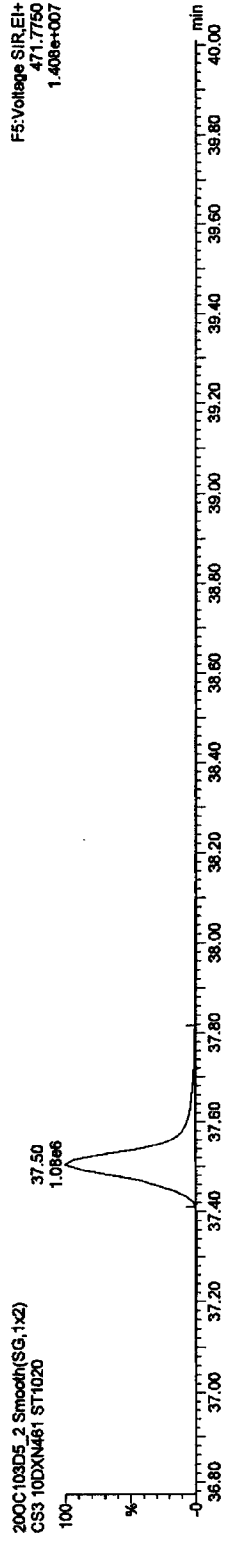
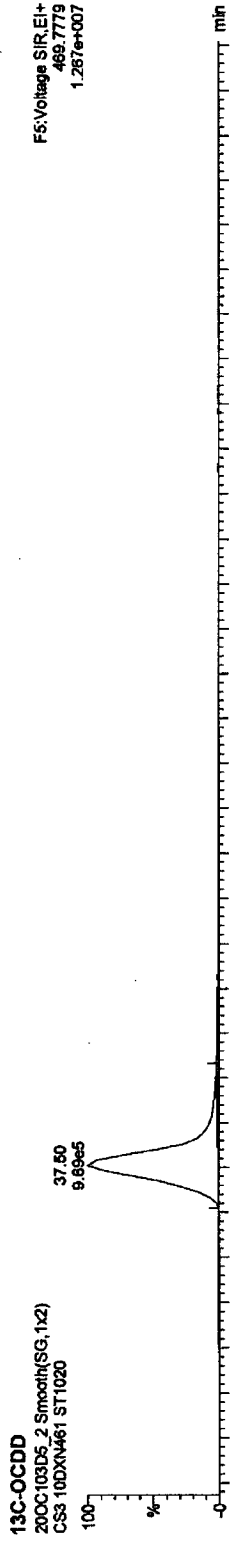
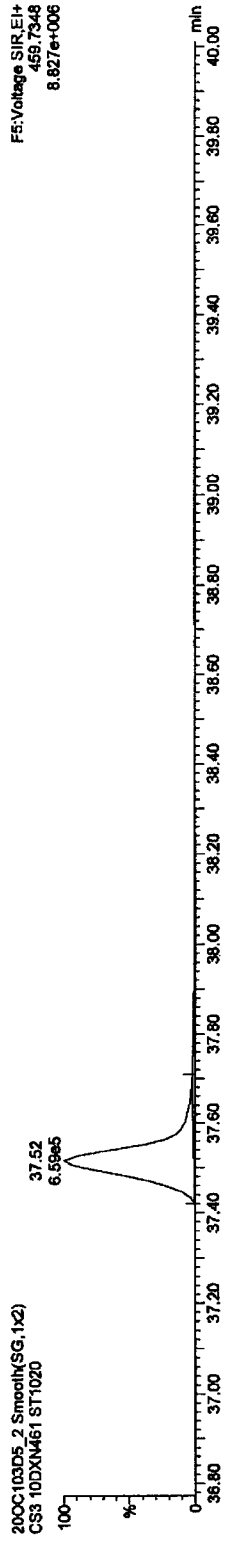
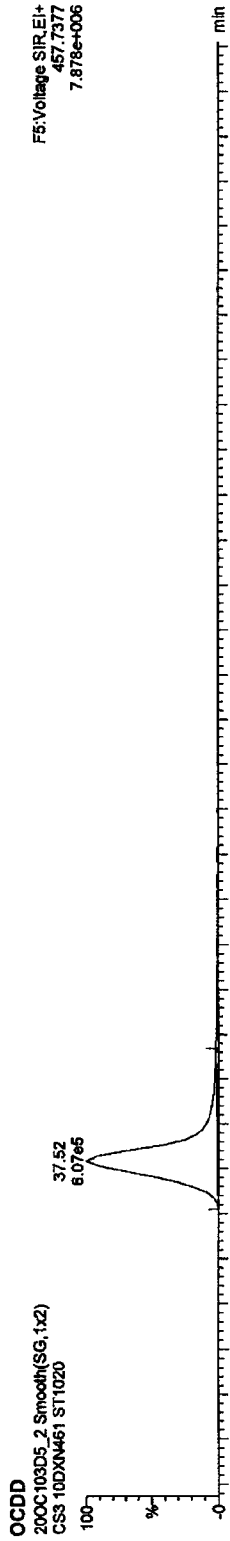
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

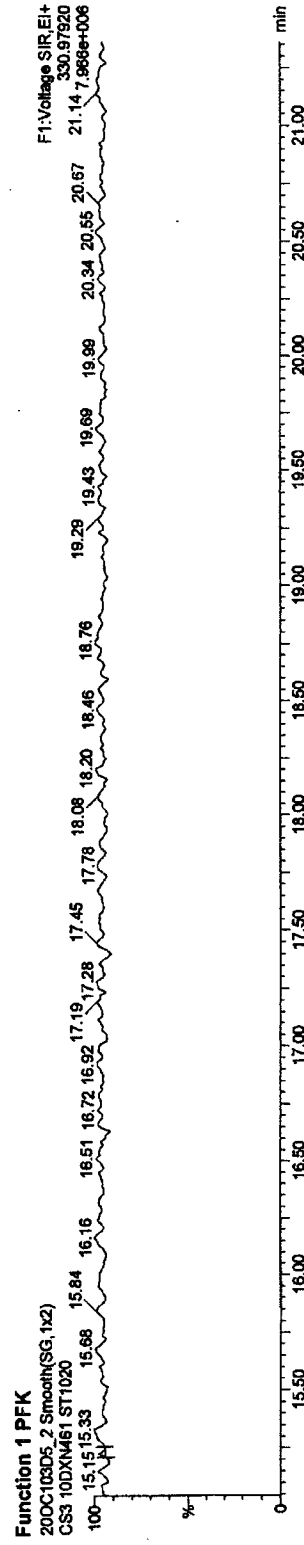
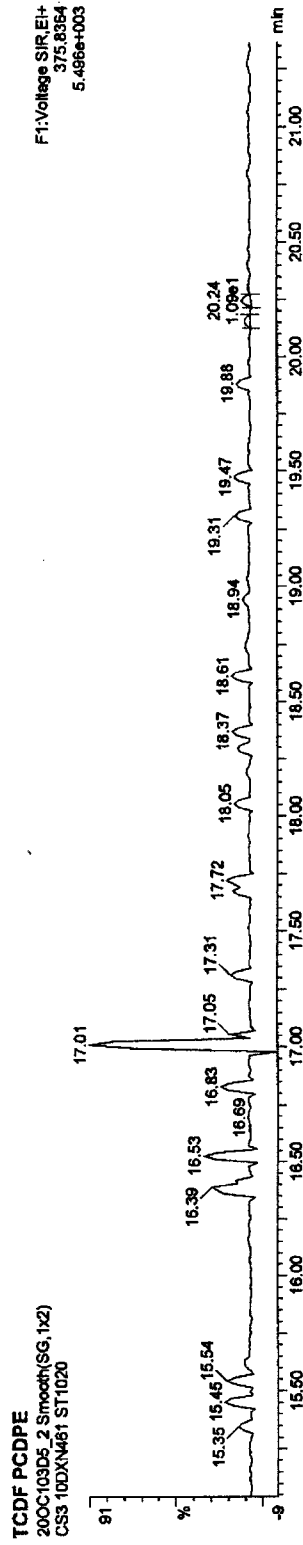
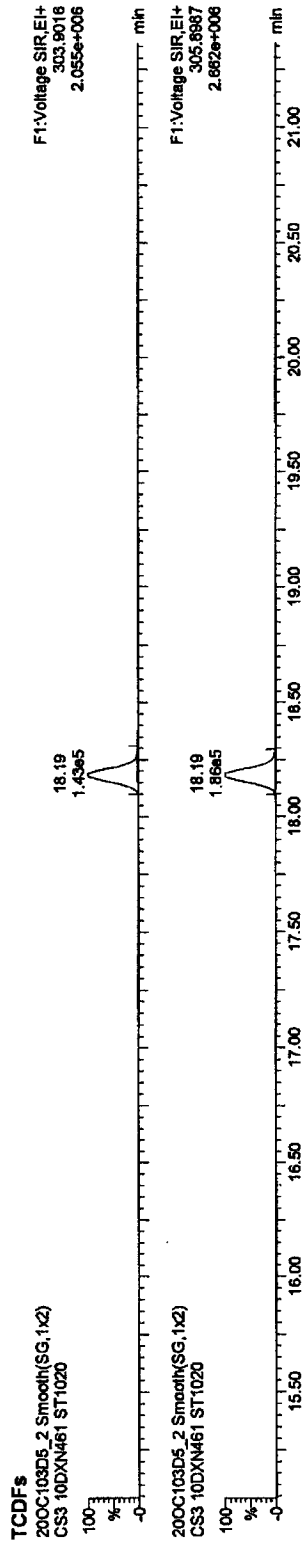


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461



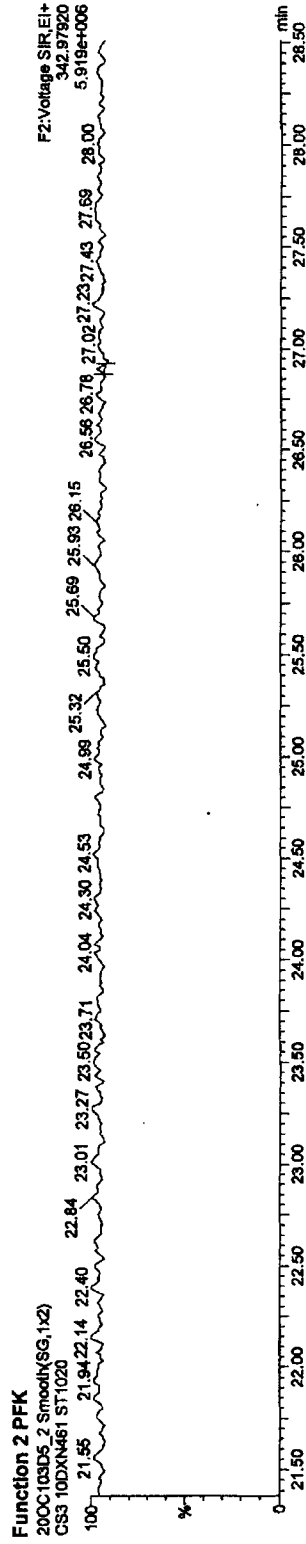
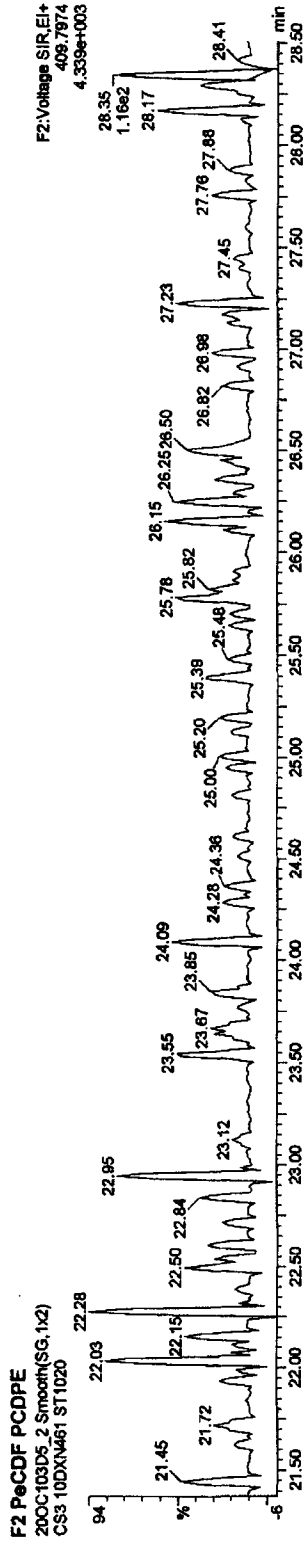
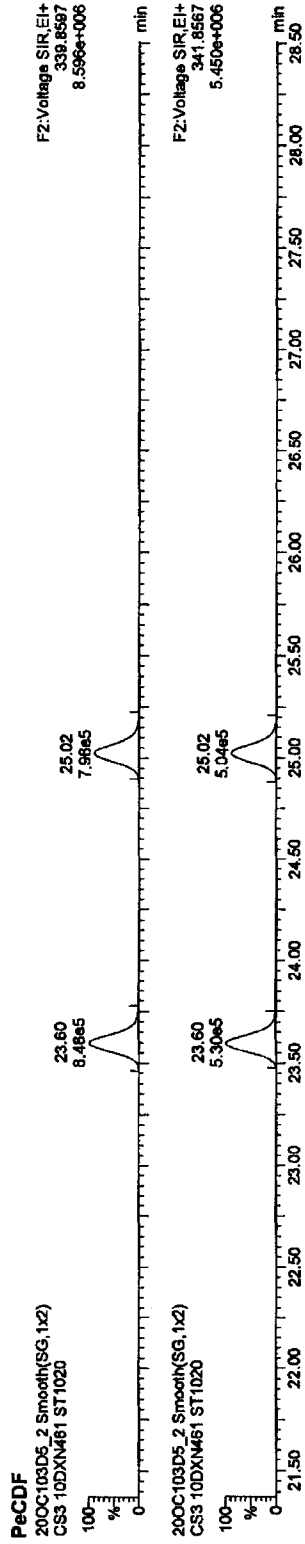
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010\PROVICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

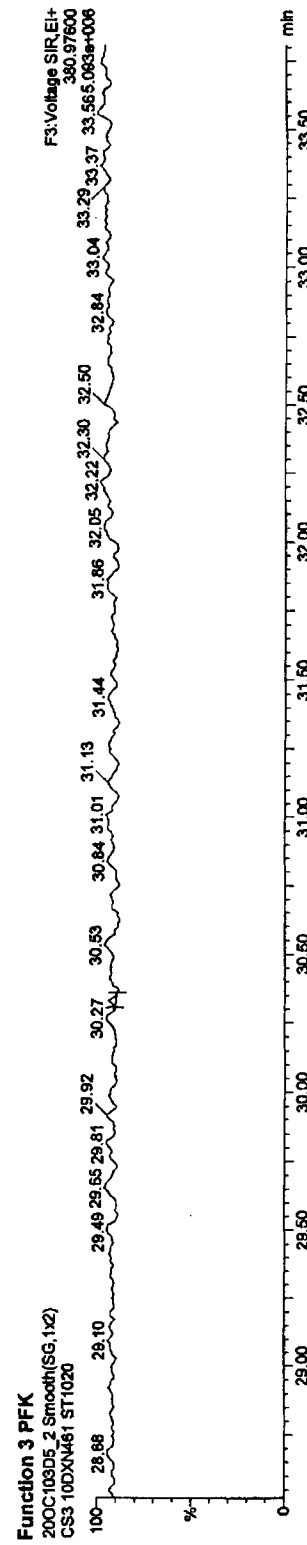
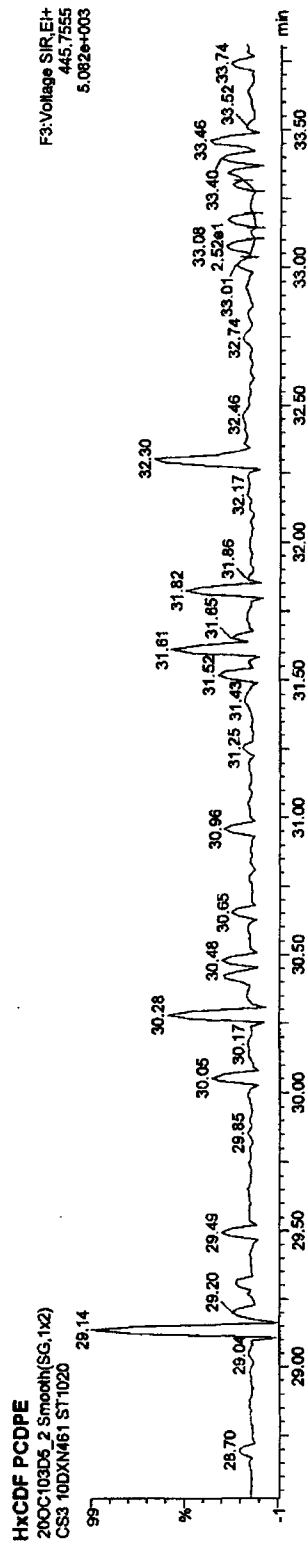
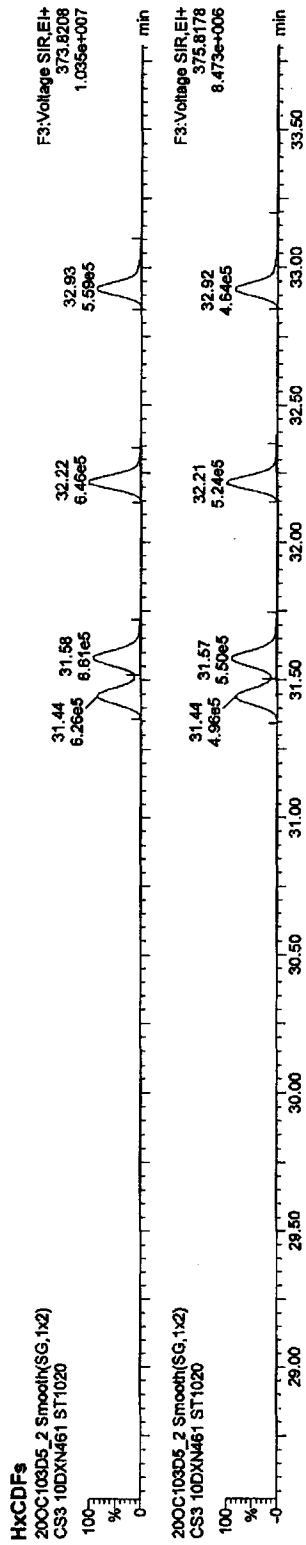


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROUCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

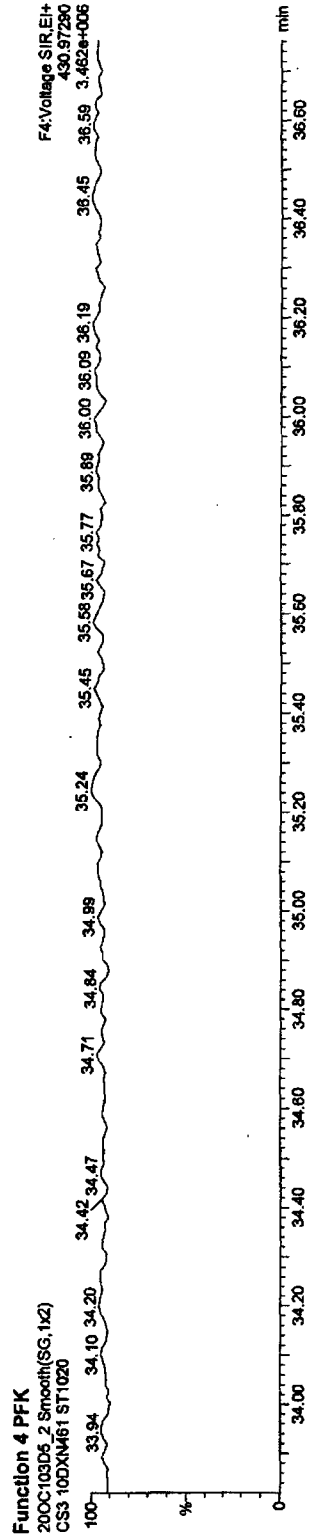
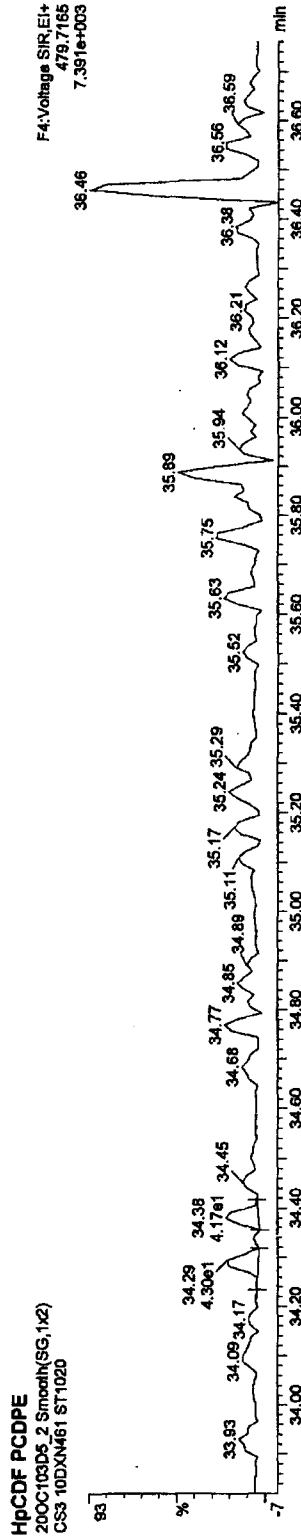
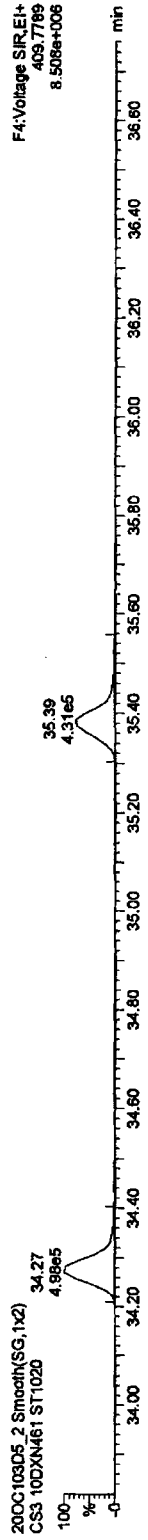
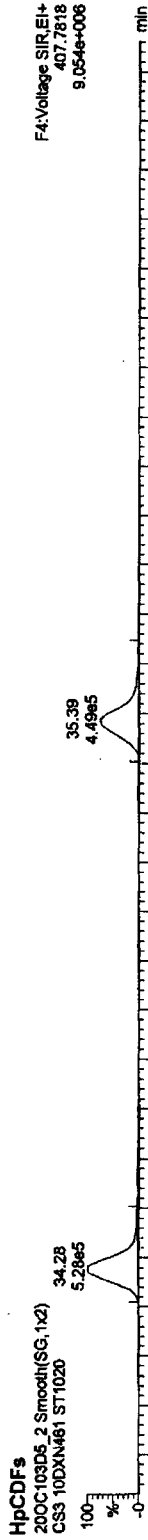


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\AN2010.PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

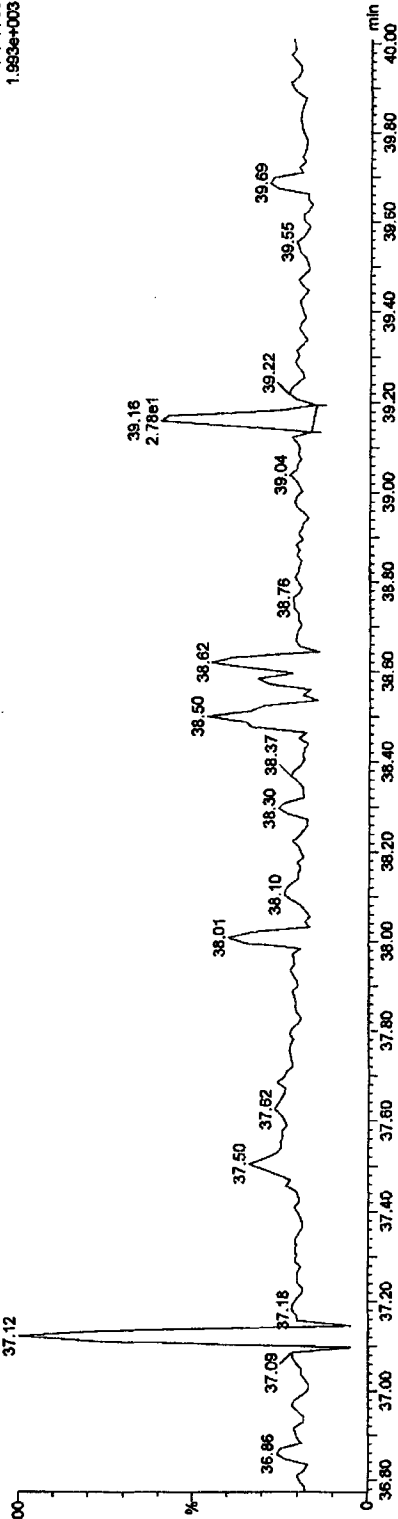
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Data: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

OCDF PCDPE

20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

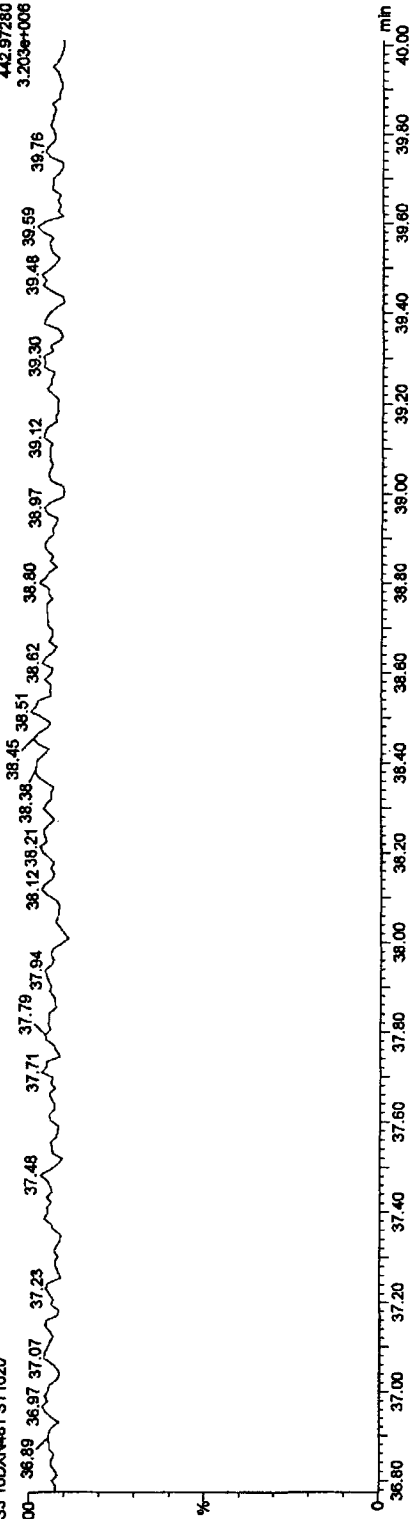
F5:Voltage SIR.EI+
513.67750
1.999e+003



Function 5 PFK

20OC103D5_2 Smooth(SG,1x2)
CS3 10DXN461 ST1020

F5:Voltage SIR.EI+
442.97280
3.203e+006

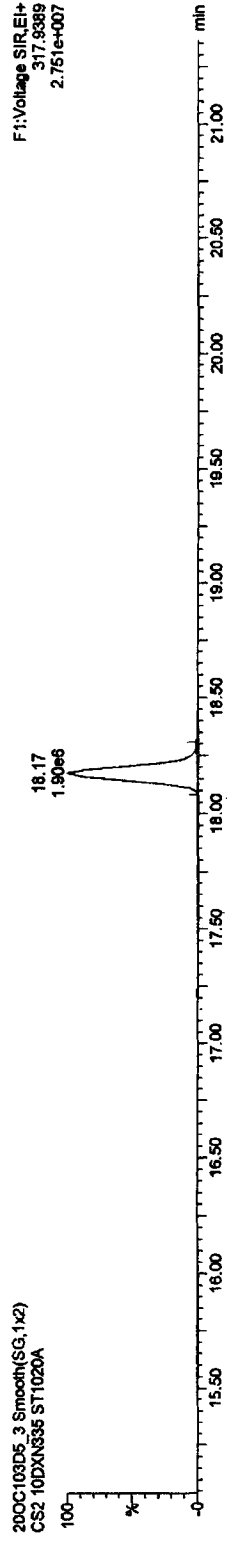
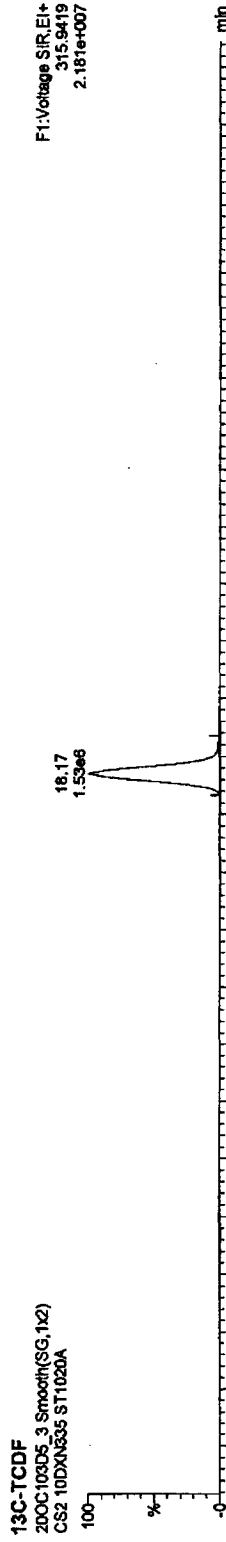
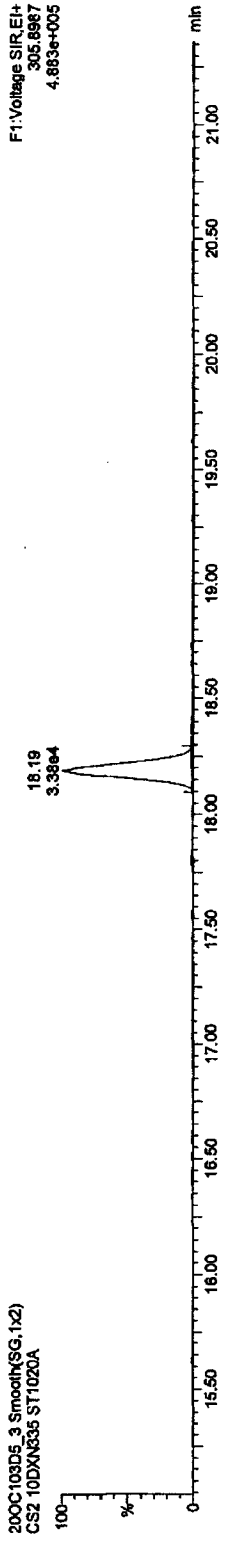
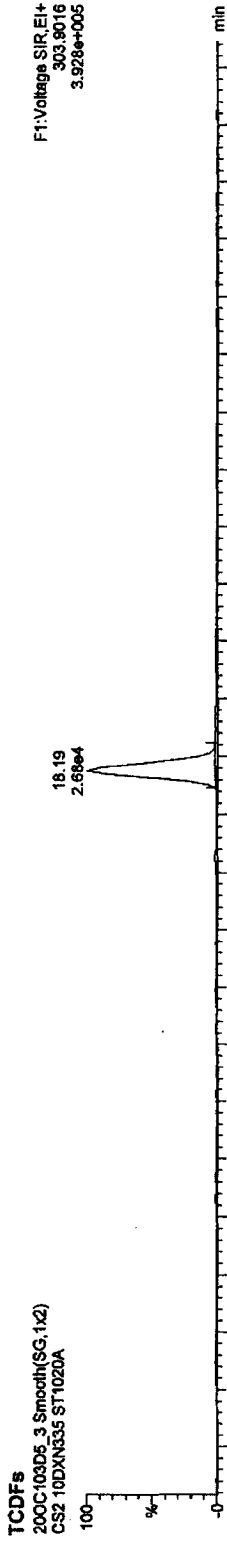


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\CA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

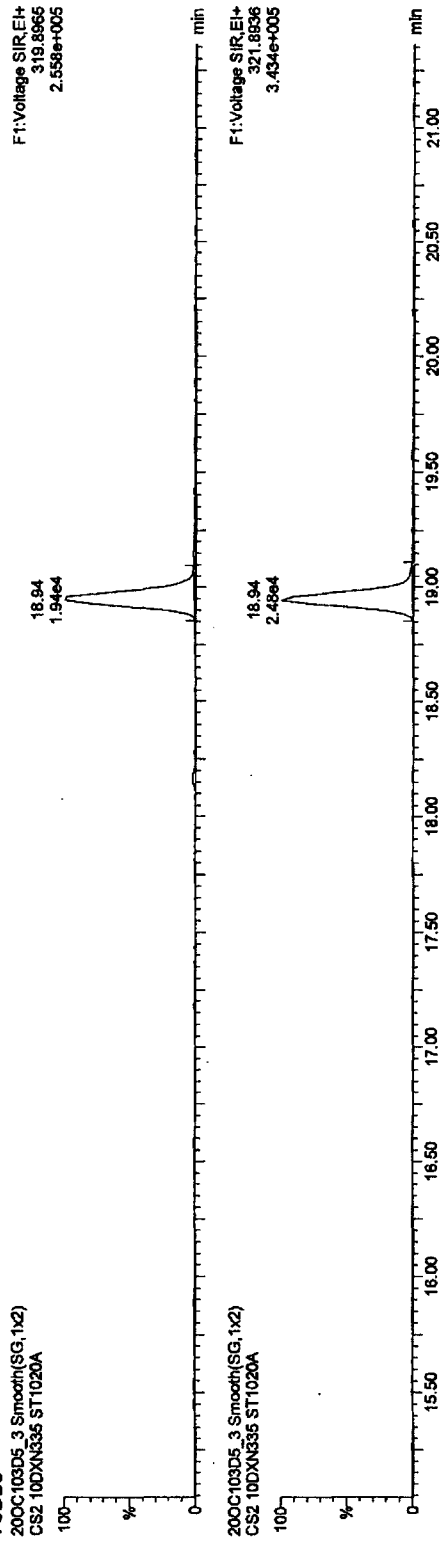
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

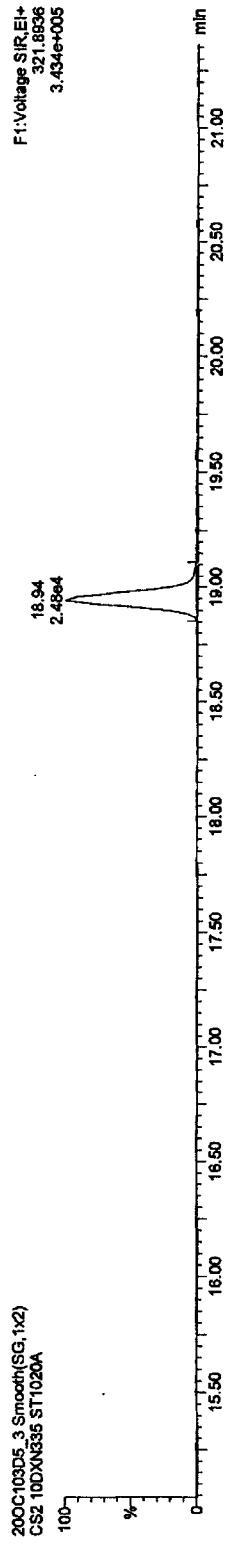
TCDDs

20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



F1:Voltage SIR,EI+
319.8666
2.556e+005

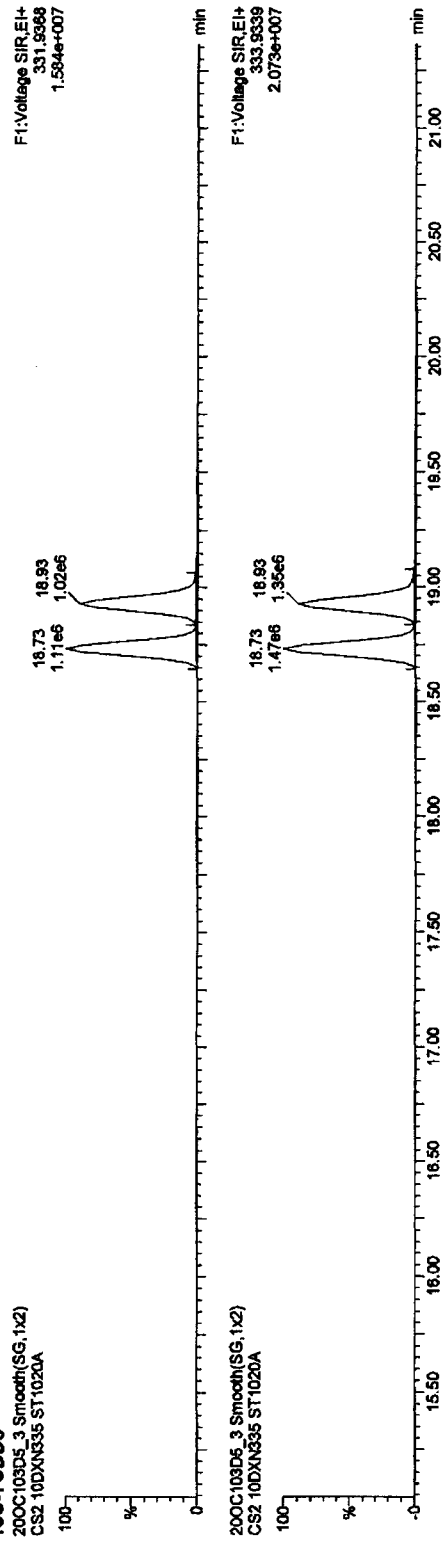
20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



F1:Voltage SIR,EI+
321.8836
3.434e+005

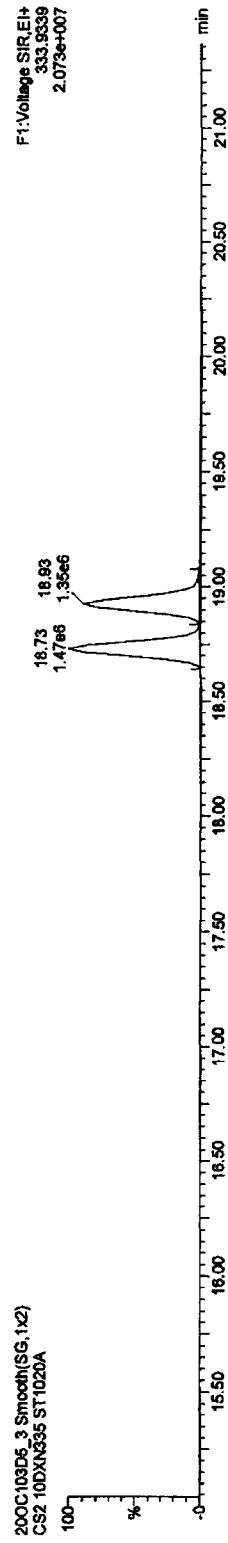
13C-TCDDs

20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



F1:Voltage SIR,EI+
331.9368
1.584e+007

20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



F1:Voltage SIR,EI+
333.9339
2.079e+007

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

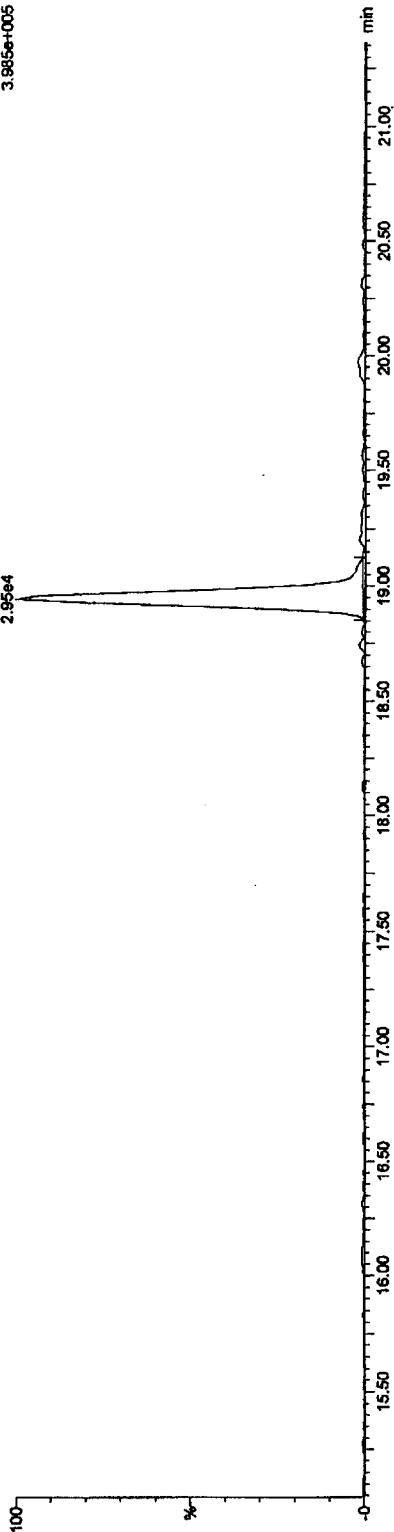
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

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

20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

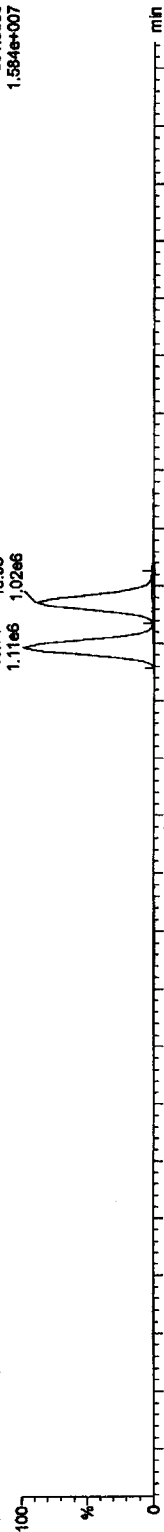
F1:Voltage SIR,EI+
327.8847
3.985e+005



13C-TCDDs

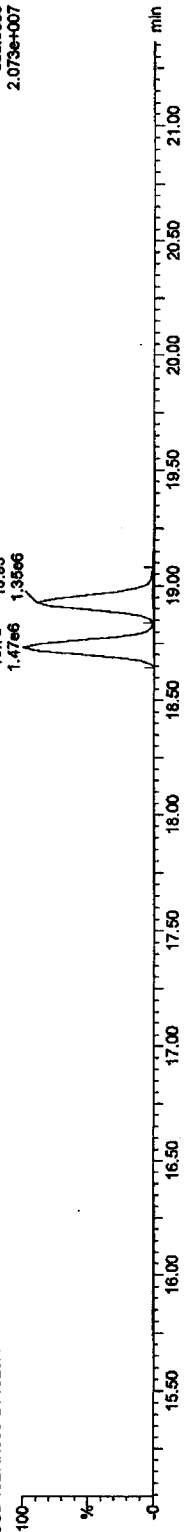
20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

F1:Voltage SIR,EI+
331.9368
1.584e+007



20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

F1:Voltage SIR,EI+
333.9339
2.073e+007

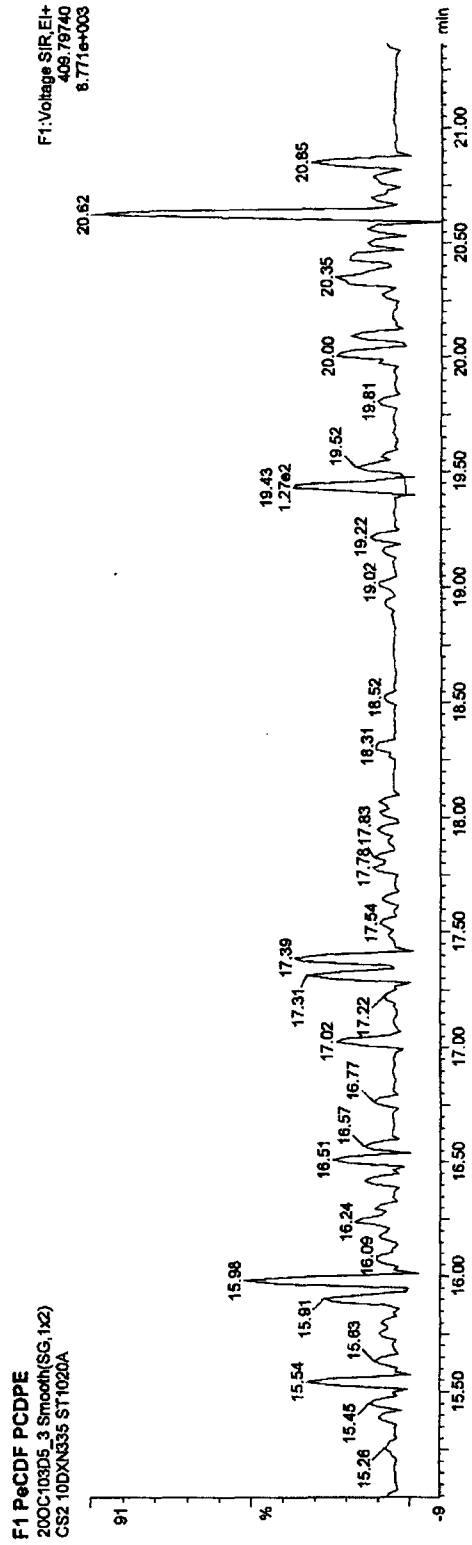
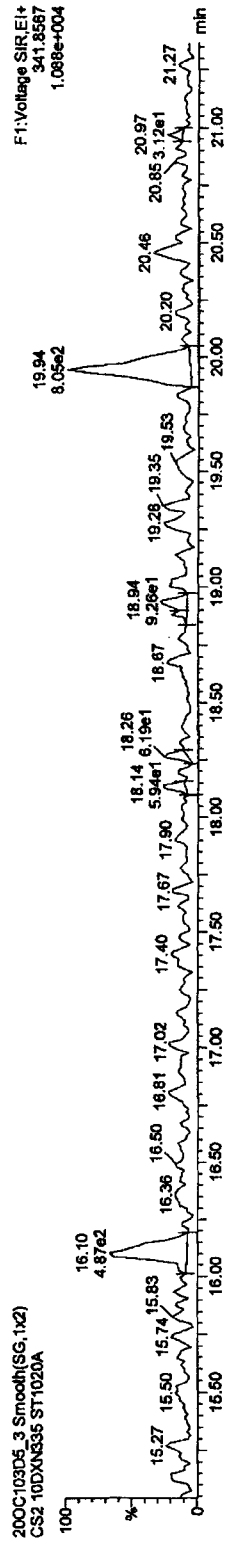
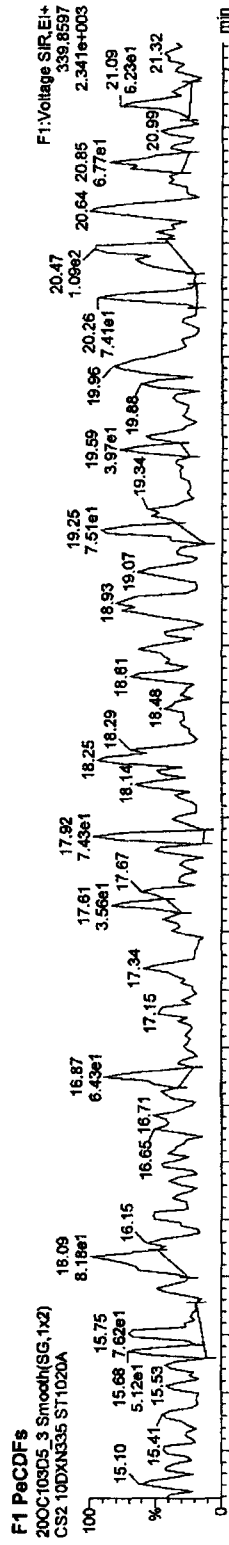


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335



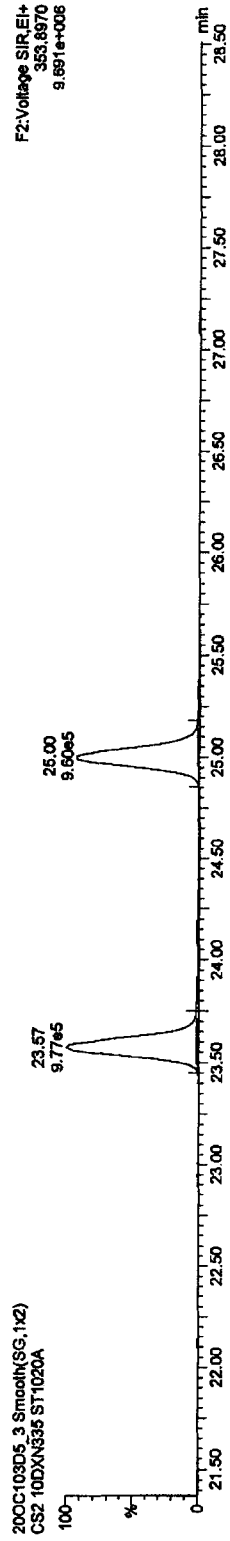
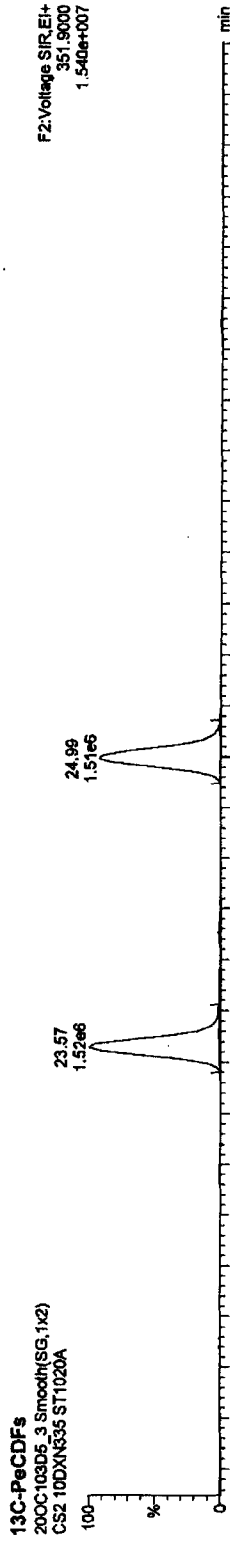
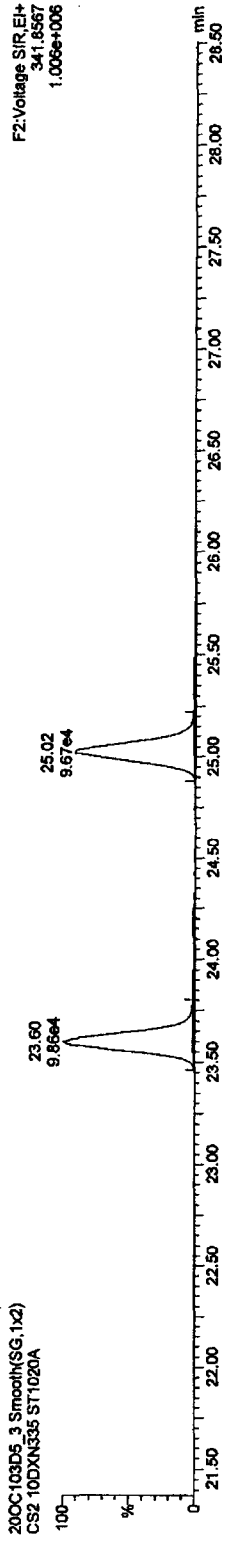
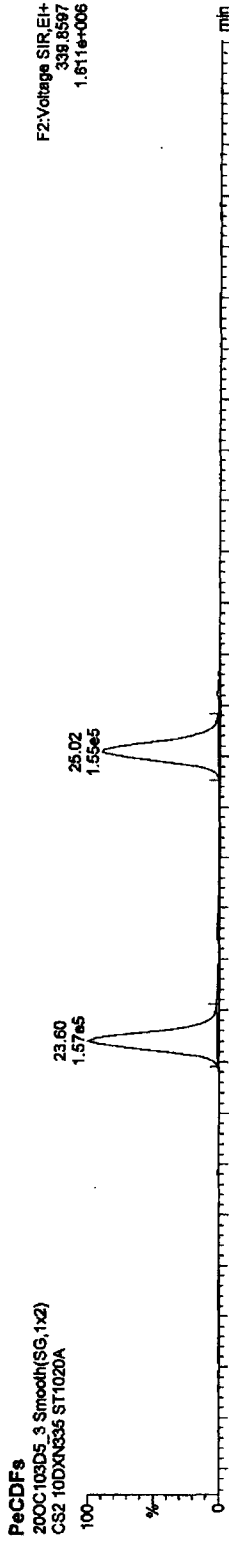
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.dld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

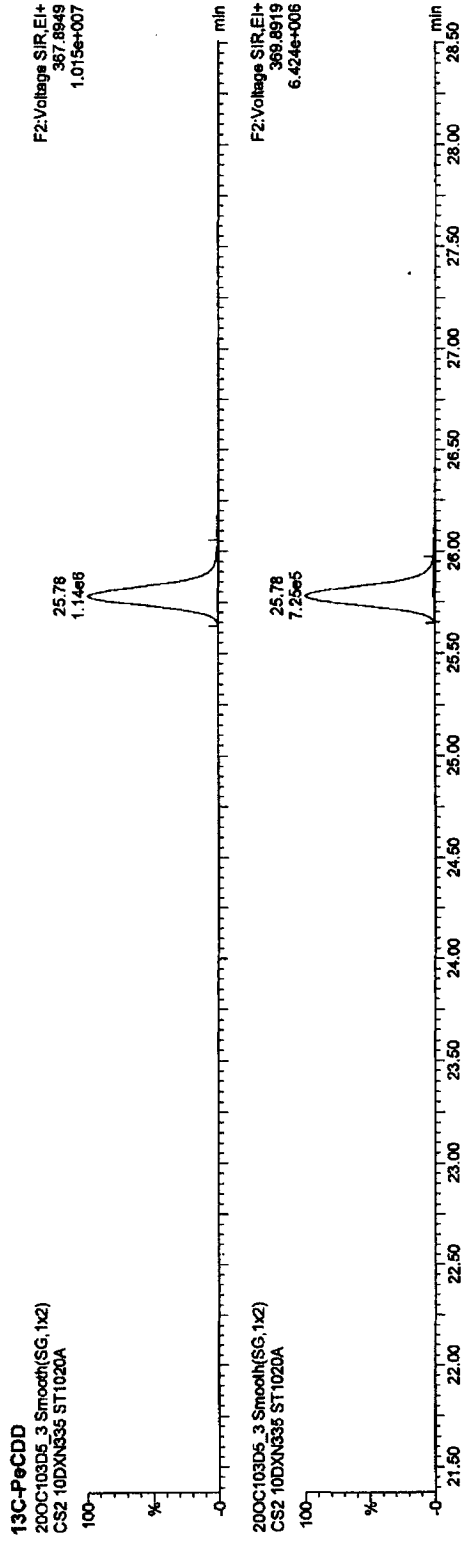
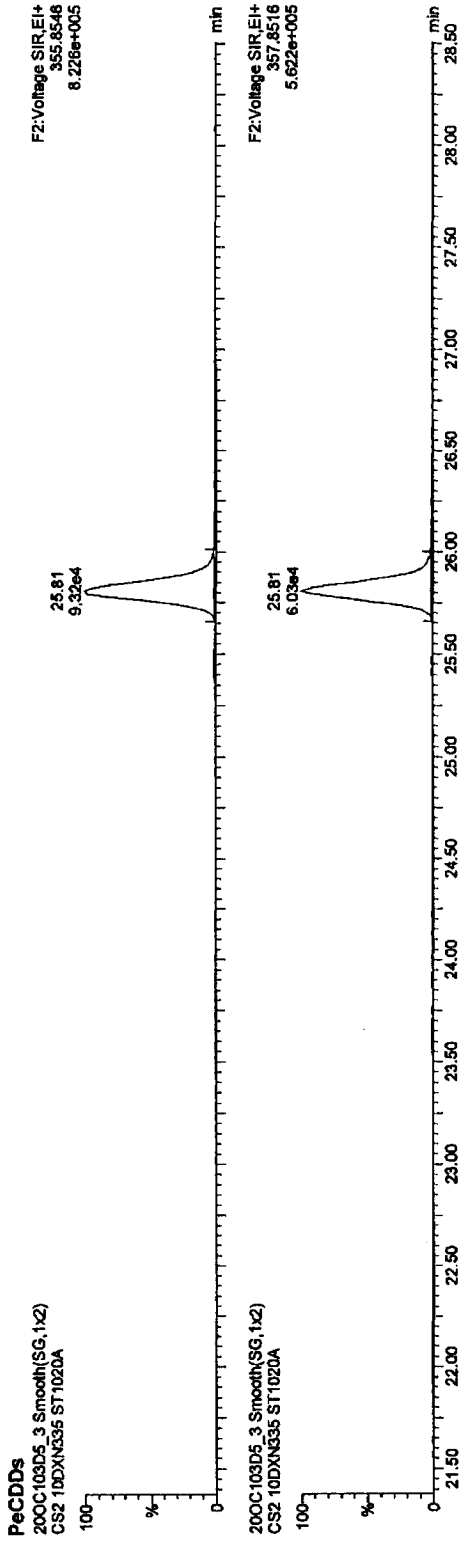


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335



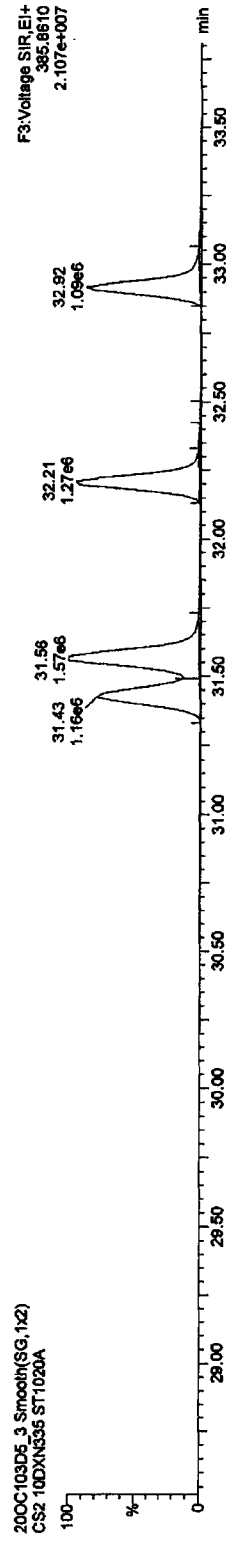
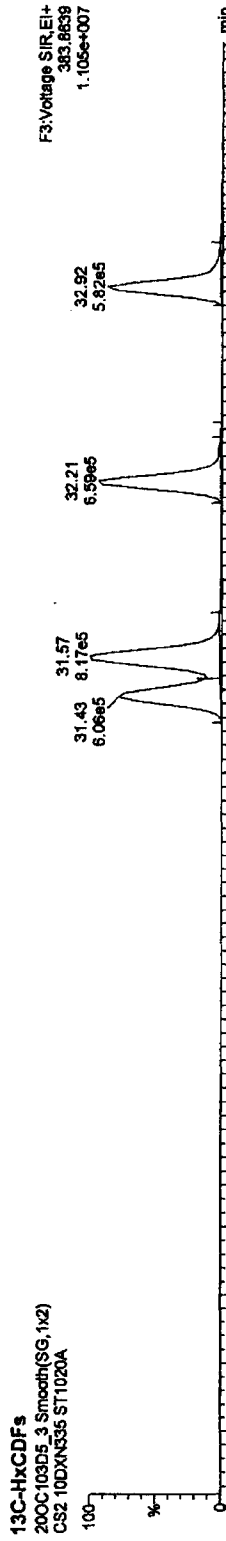
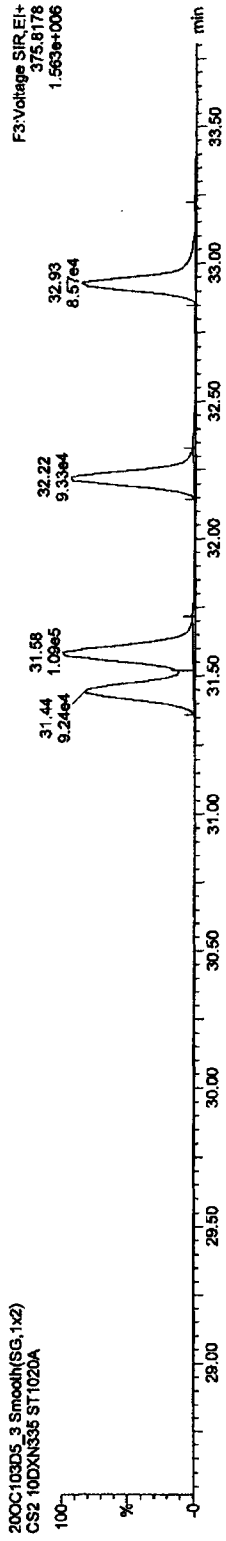
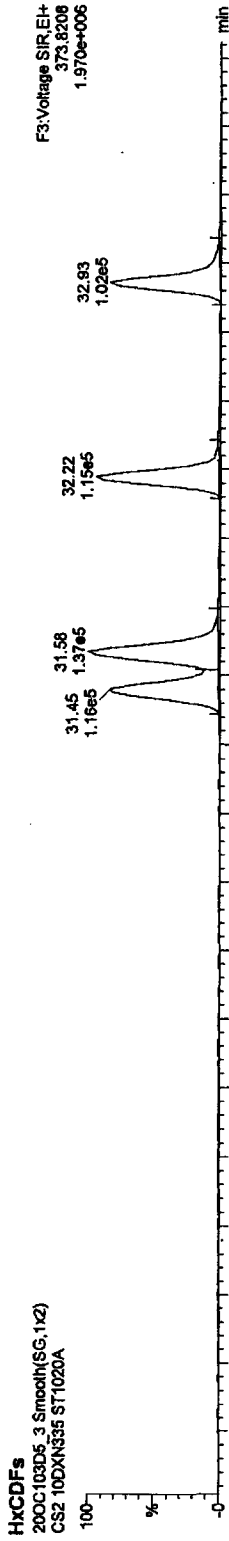
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

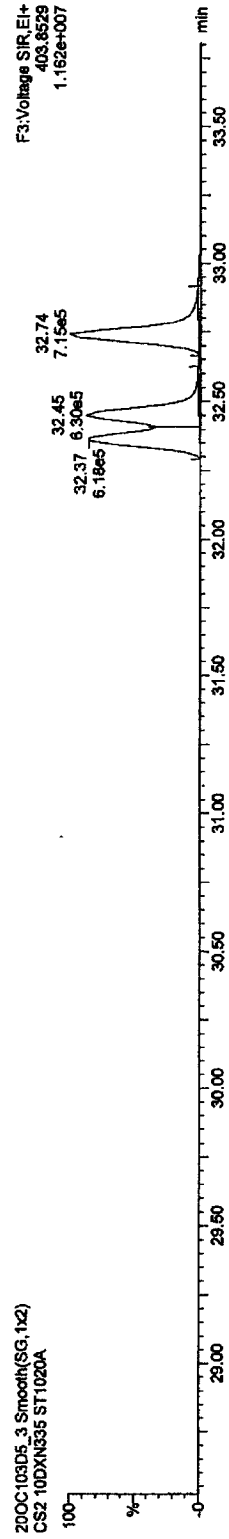
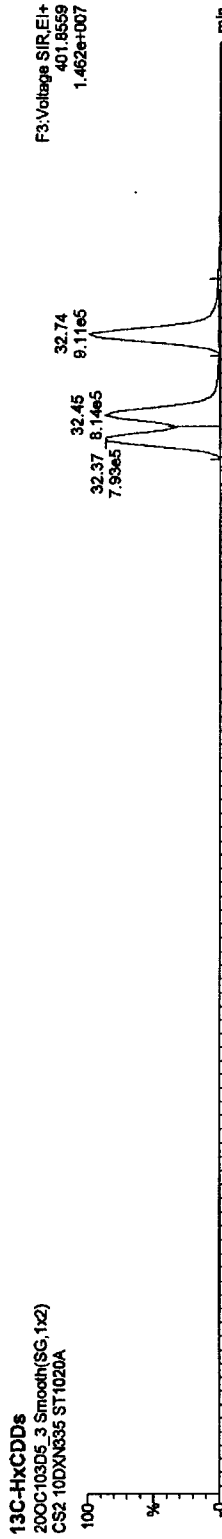
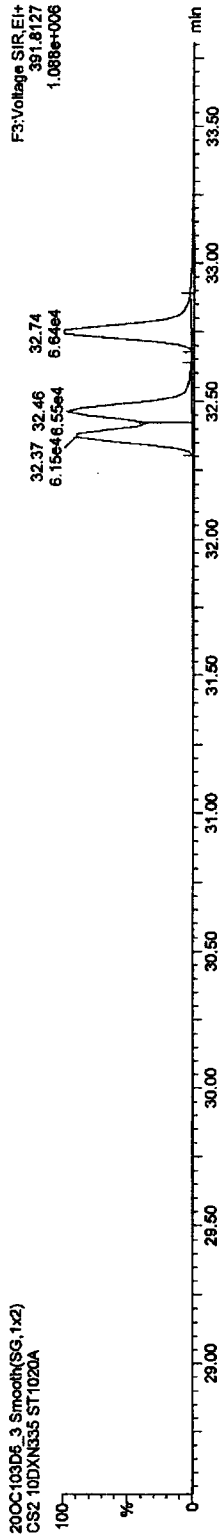
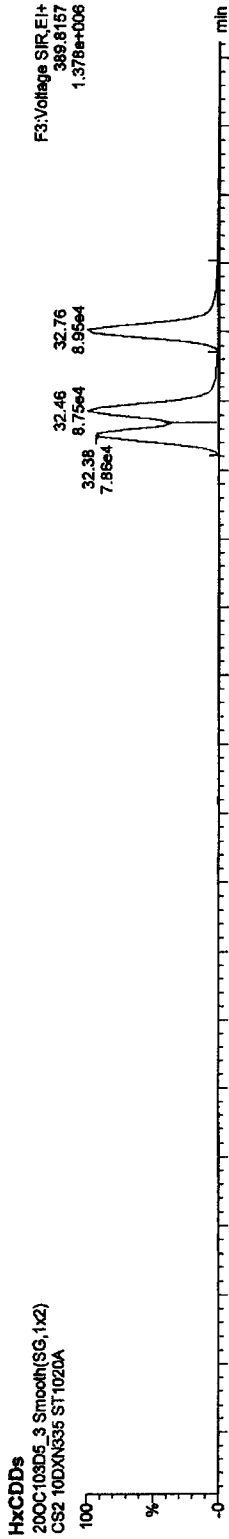


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

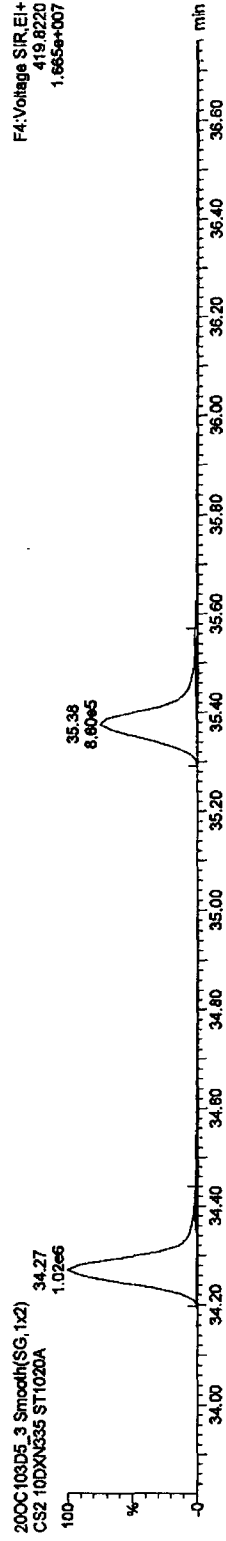
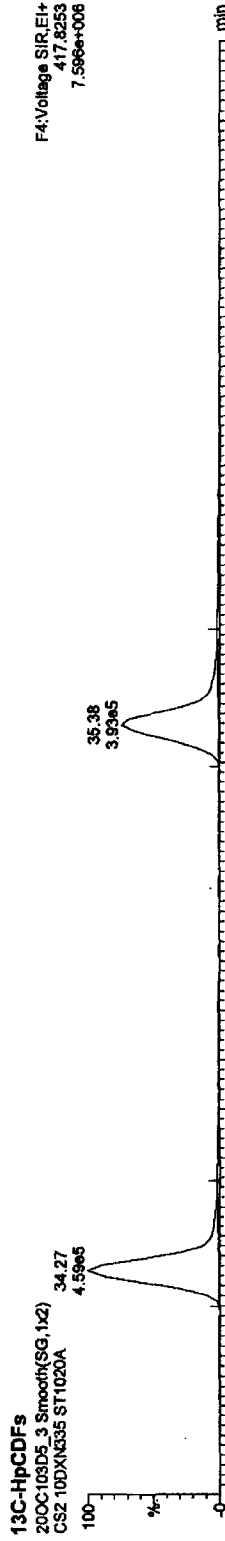
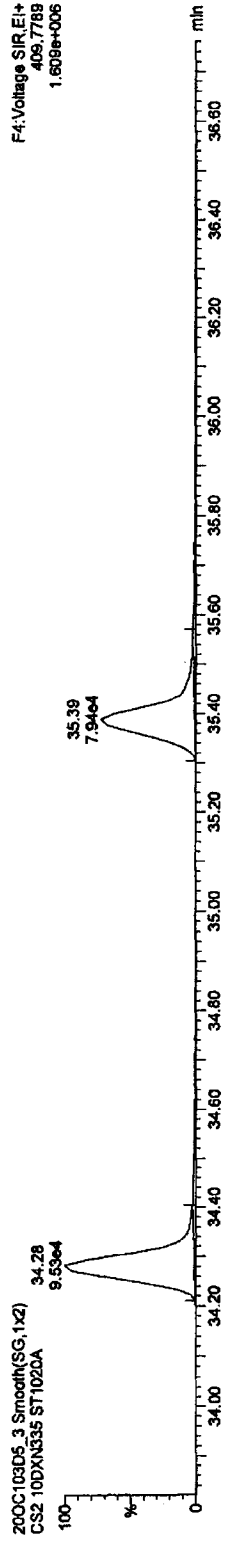
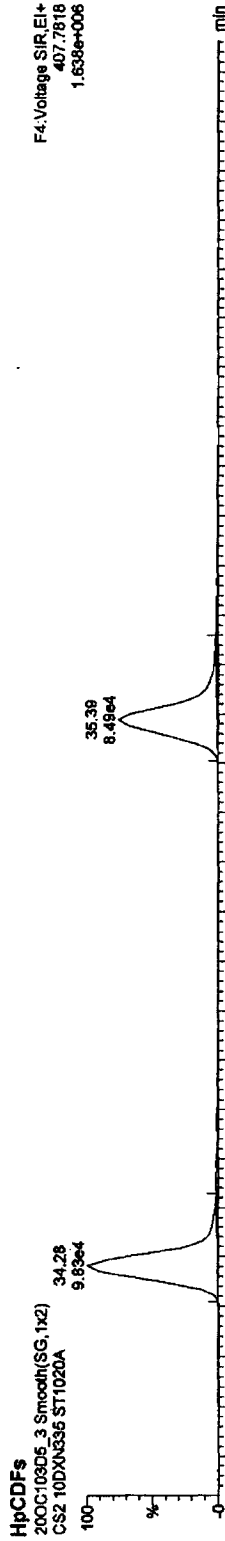


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

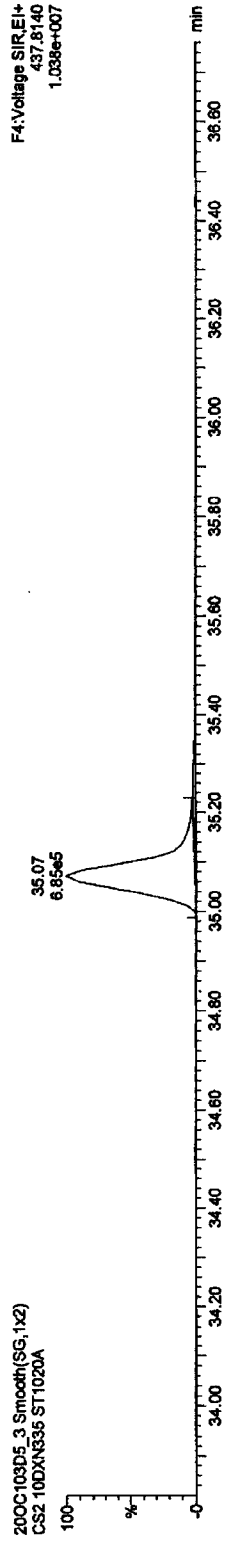
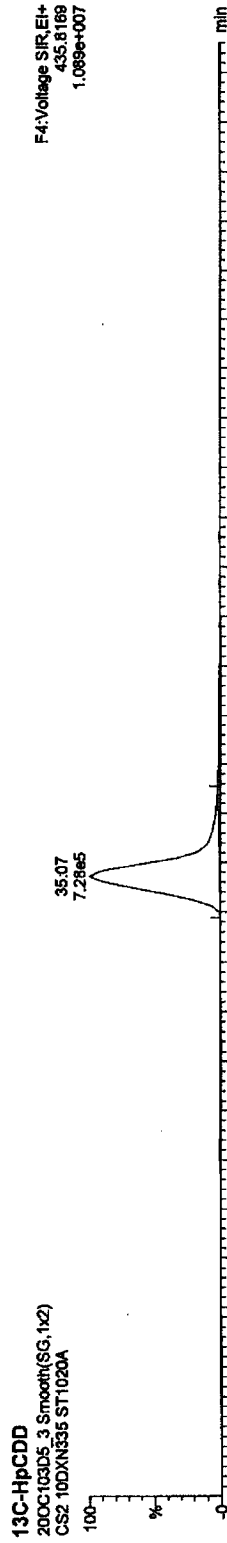
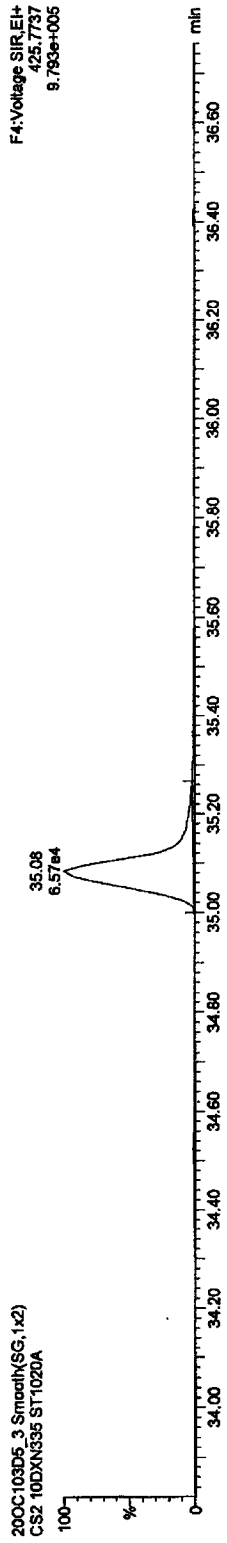
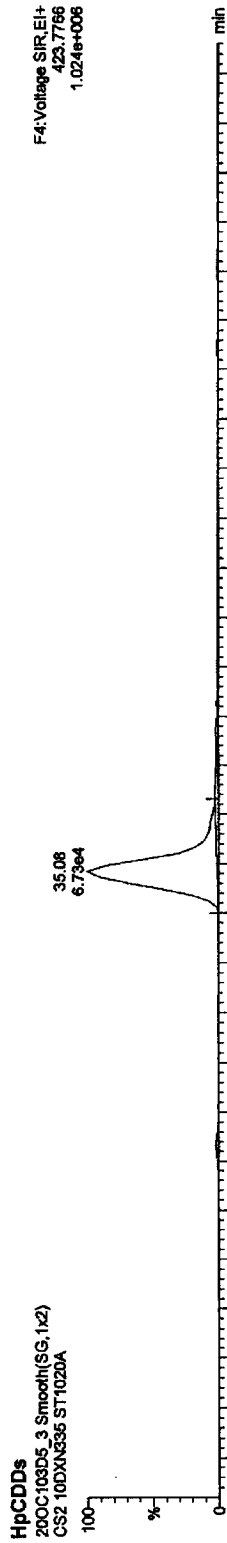


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

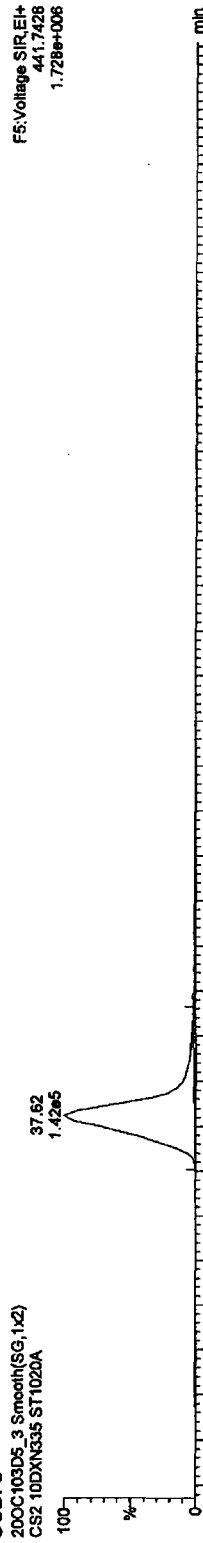
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

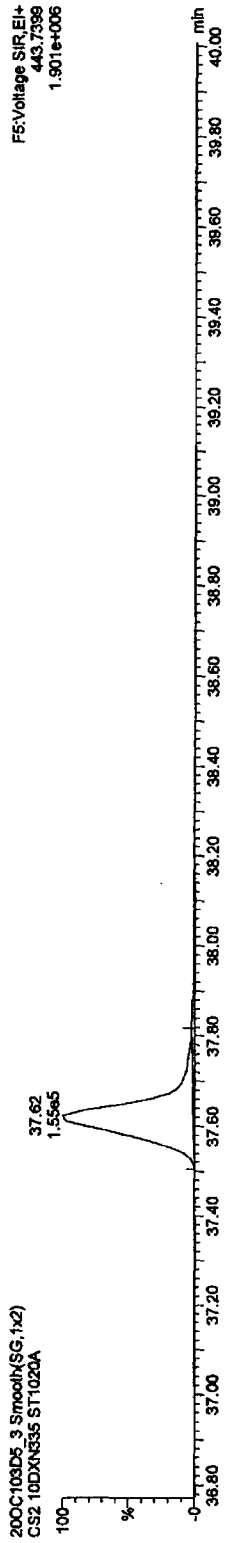
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

OCDFS

20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

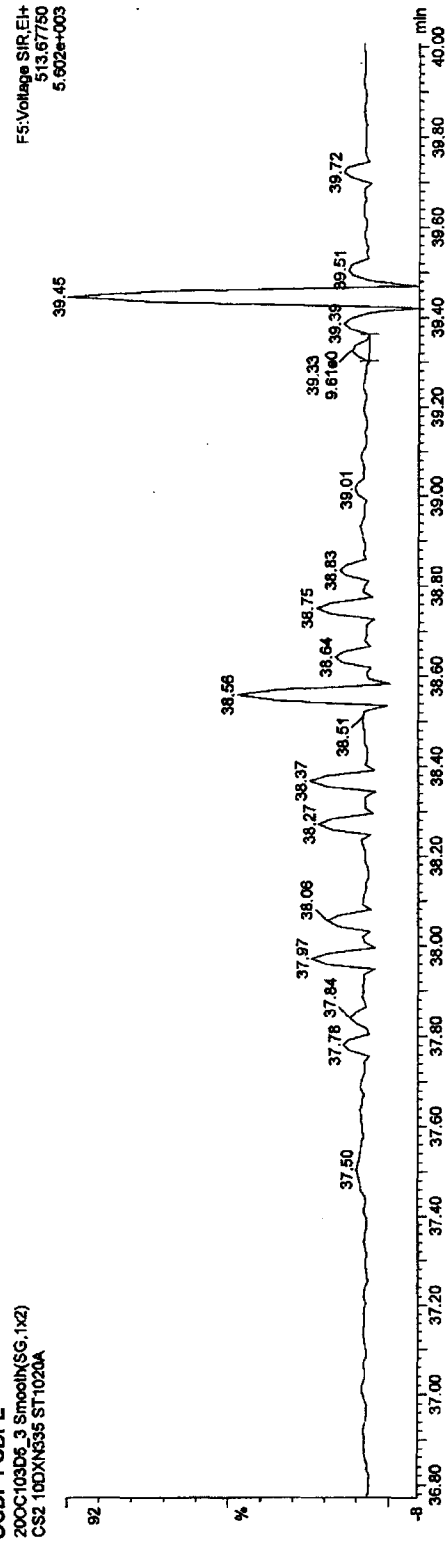


20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



OCDF PCDPE

20OC103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

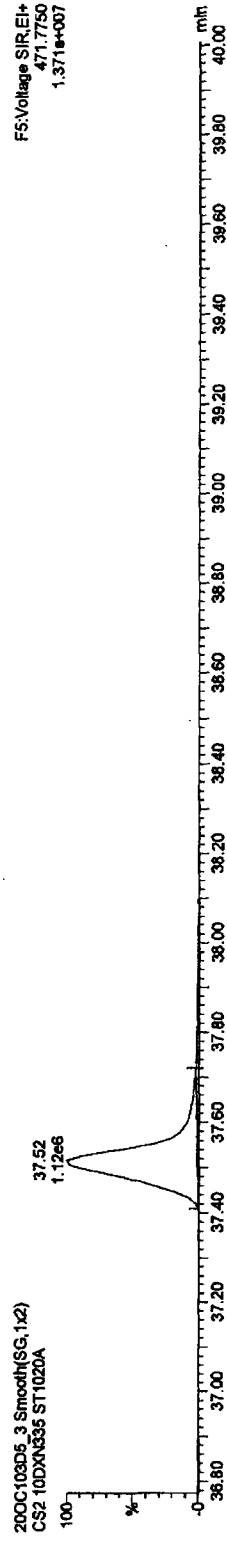
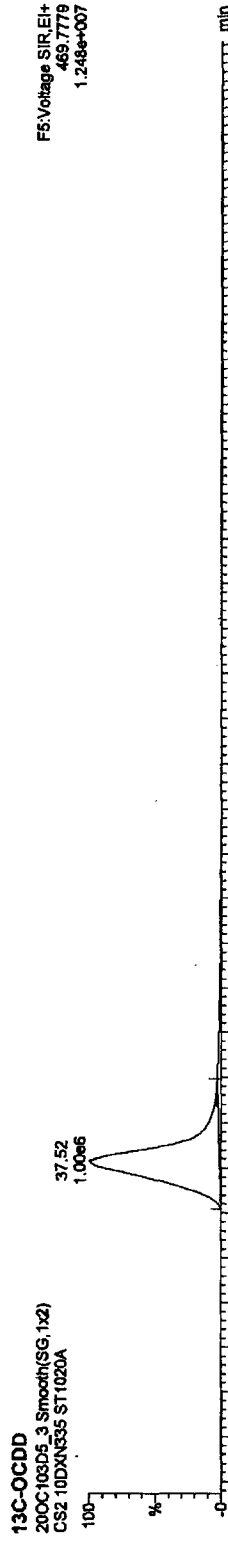
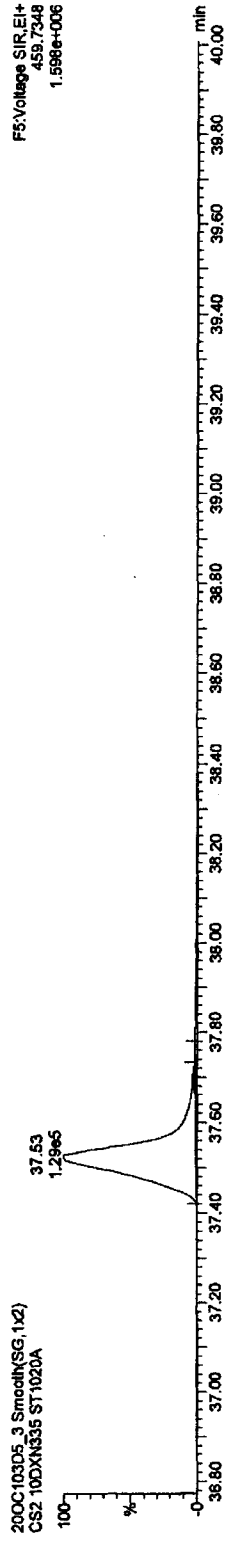
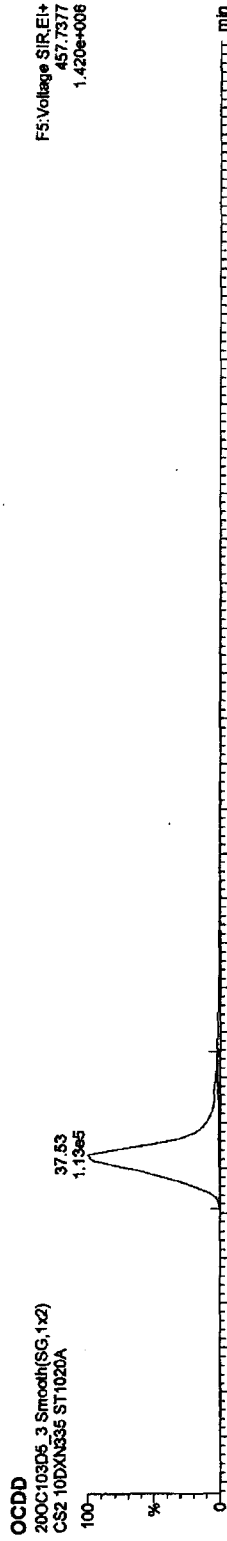


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

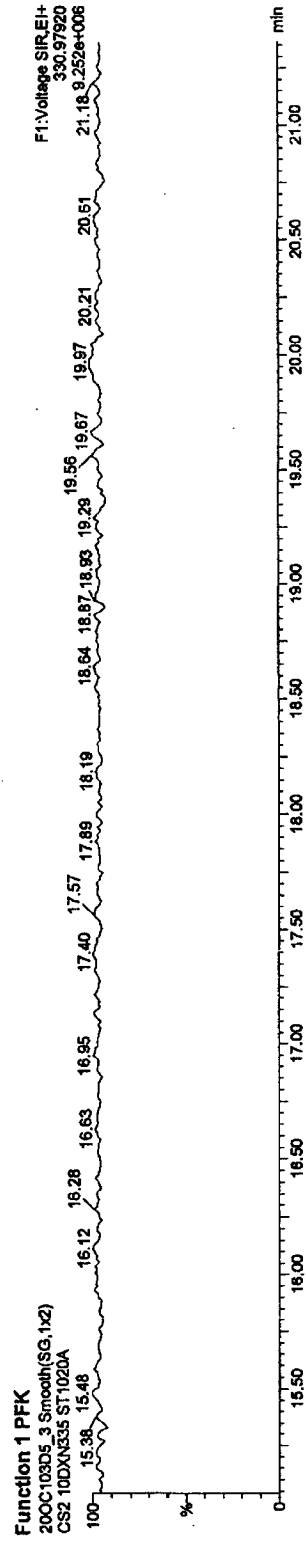
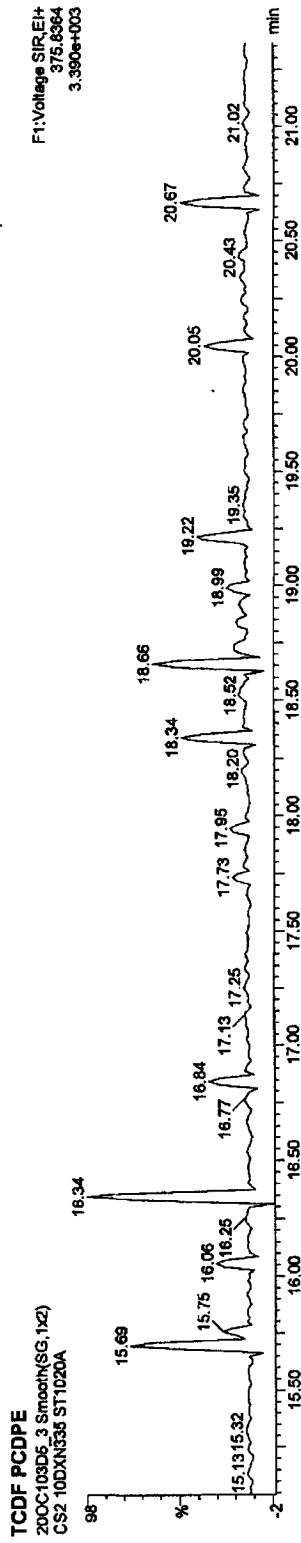
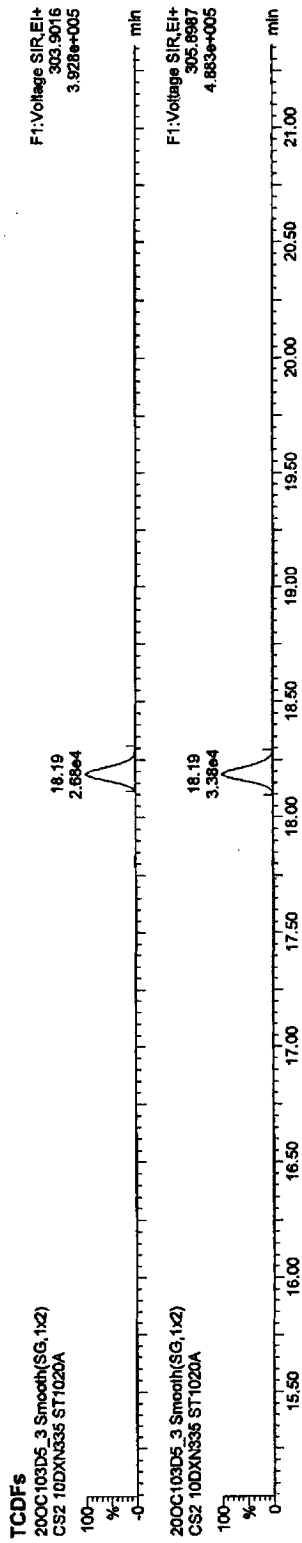


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335



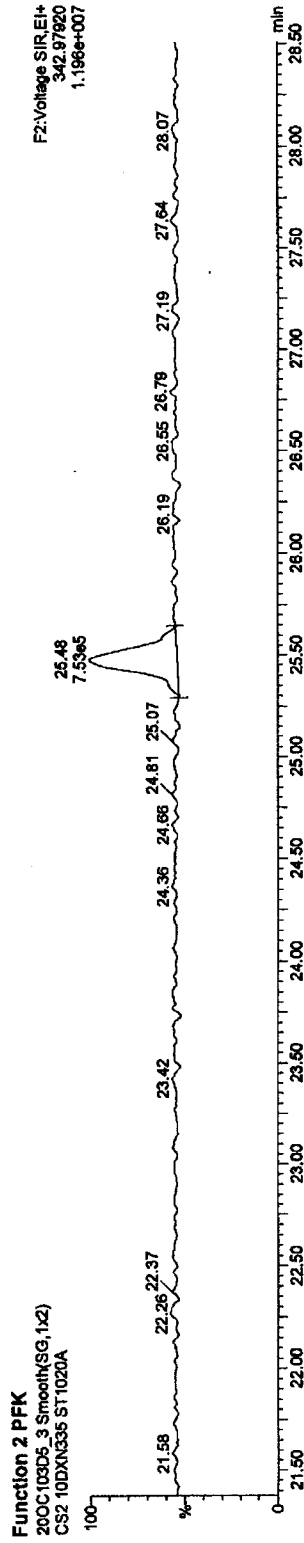
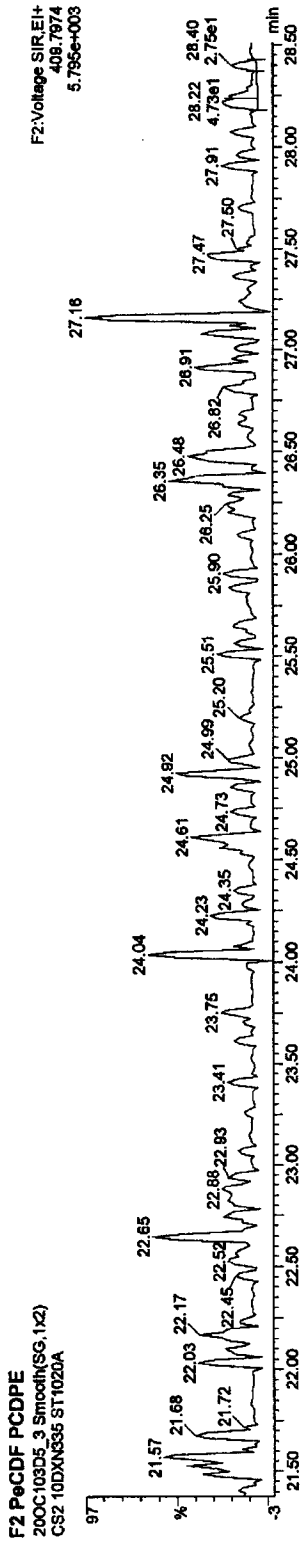
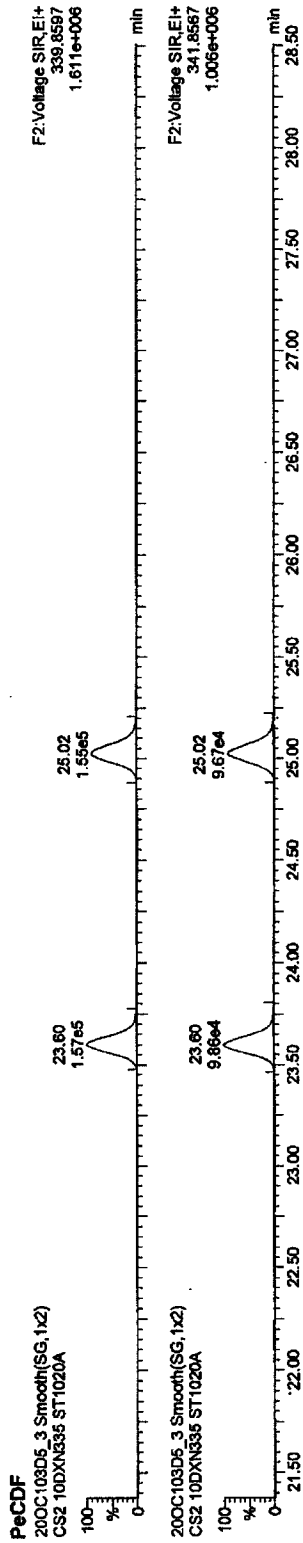
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PROUCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

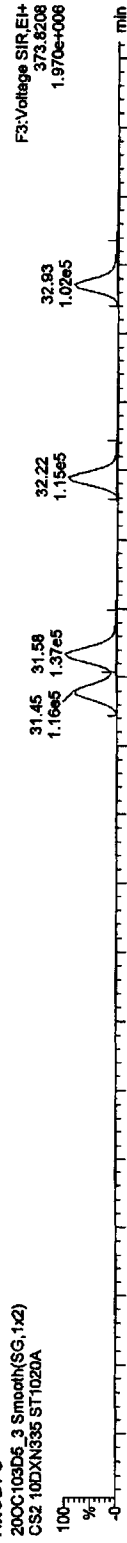
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

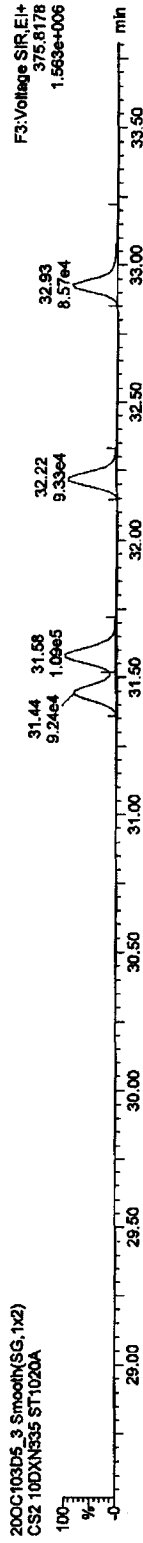
Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

HxCDFs

200C103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

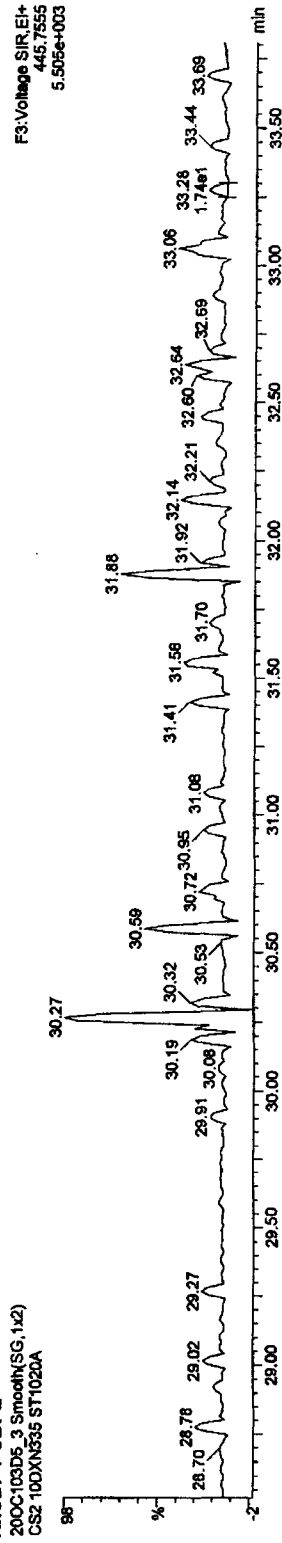


200C103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



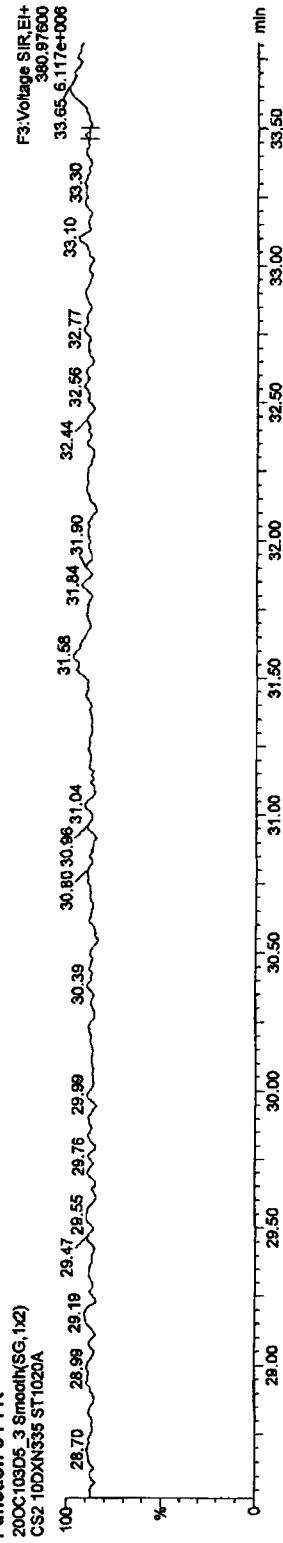
HxCDF PCDPE

200C103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



Function 3 PFK

200C103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A



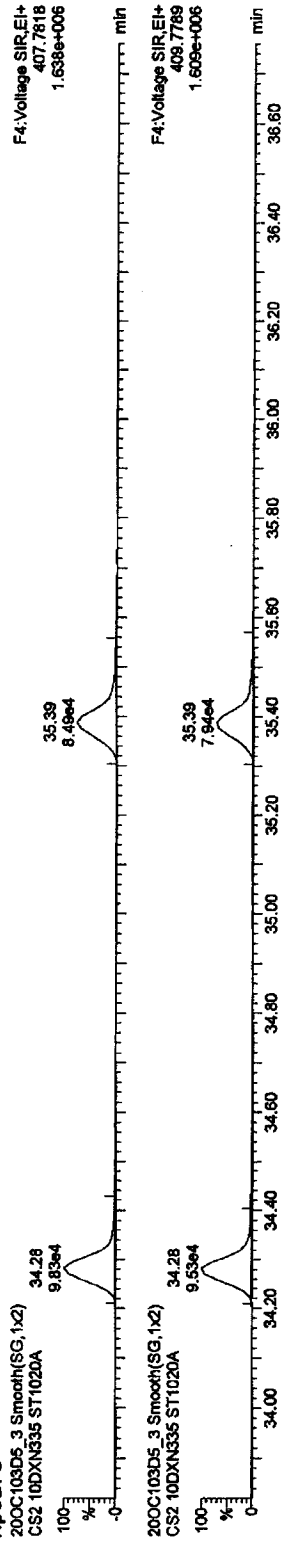
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

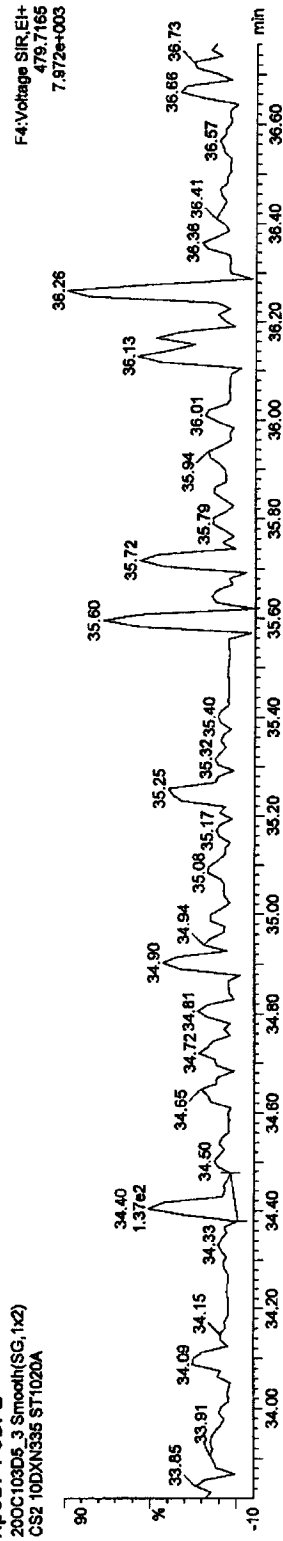
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

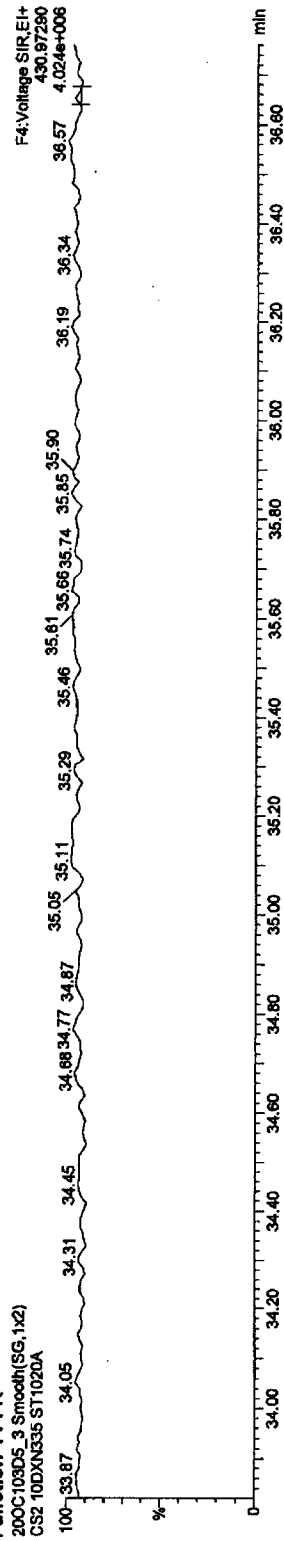
HpCDFs



HpCDF PCDFE



Function 4 PFK



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

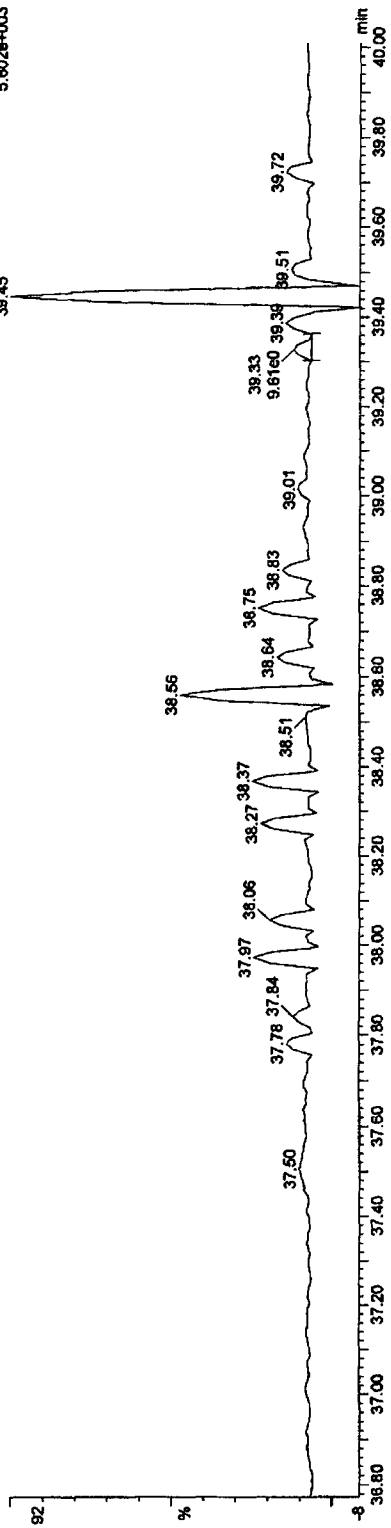
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

OCDF PCDPE

200C103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

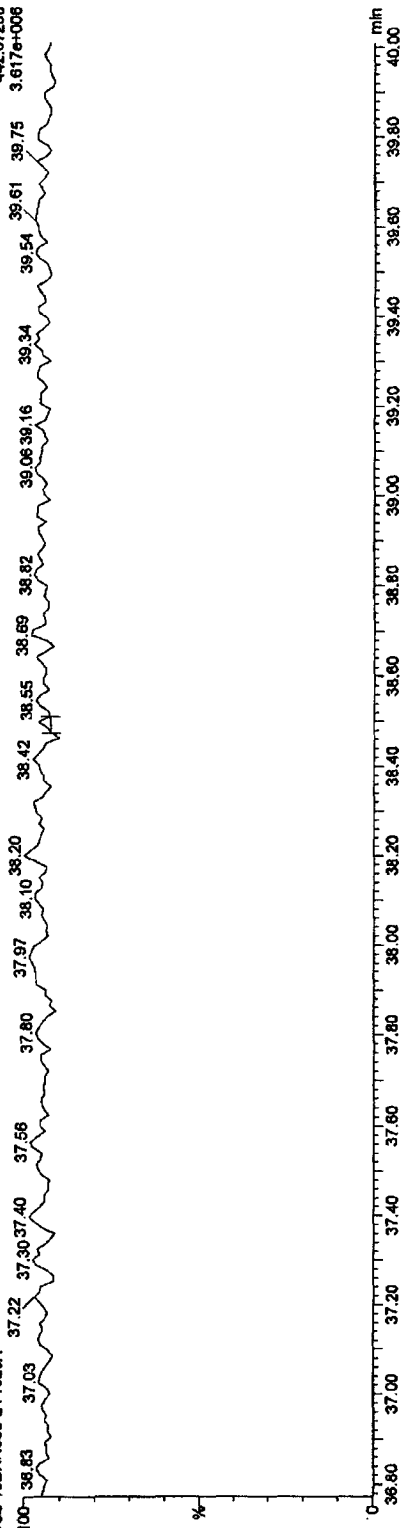
FS:Voltage SIR,ELI+
513.67750
5.602e+003



Function 5 PFK

200C103D5_3 Smooth(SG,1x2)
CS2 10DXN335 ST1020A

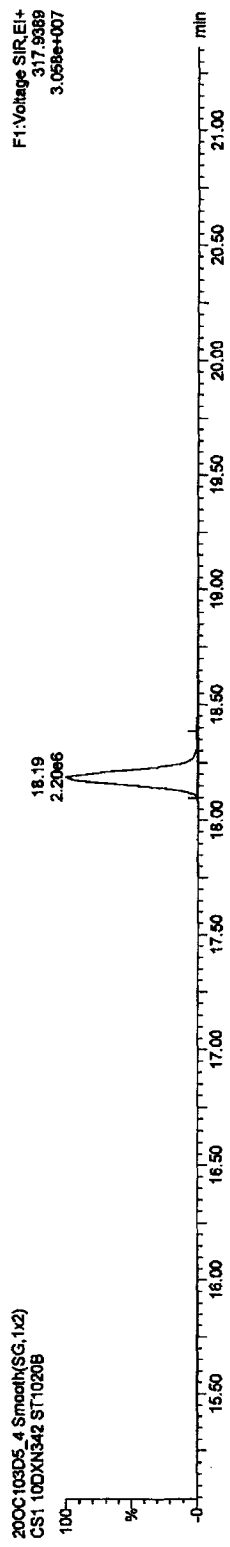
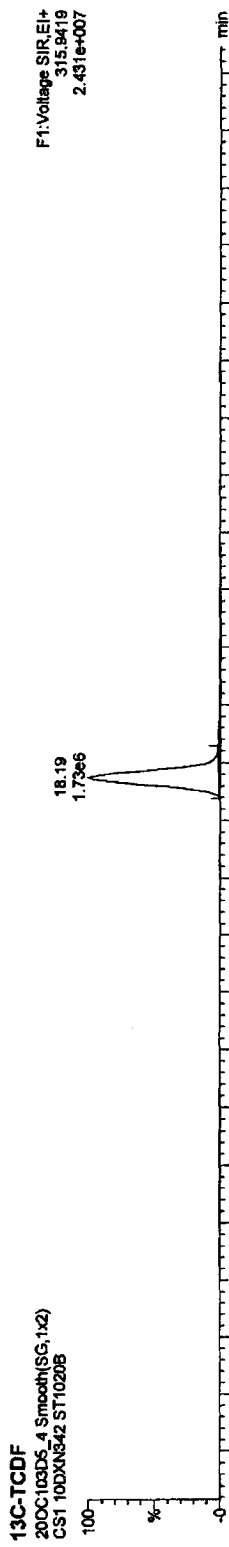
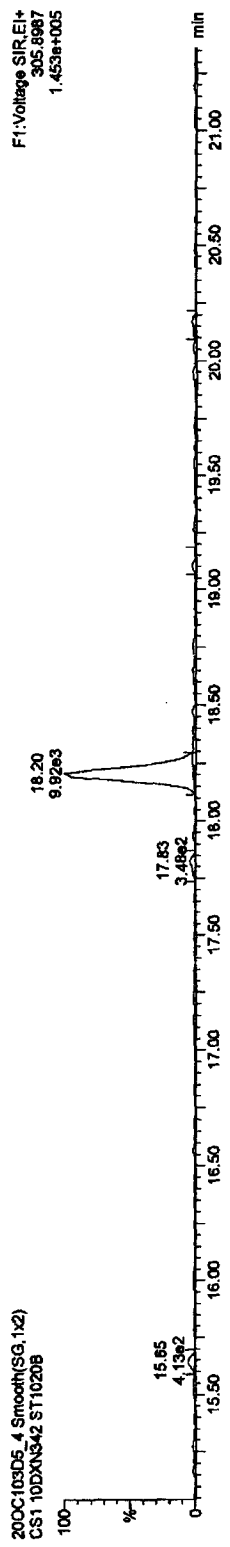
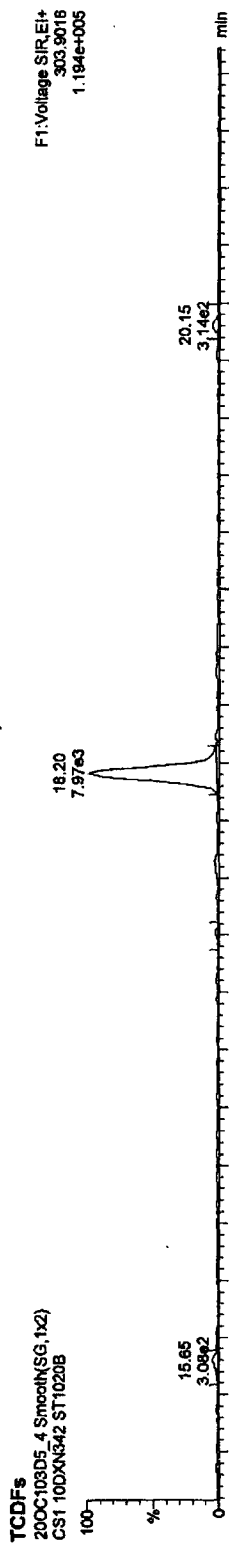
FS:Voltage SIR,ELI+
442.87280
3.617e+006



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\CA1020103D51613.qld
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

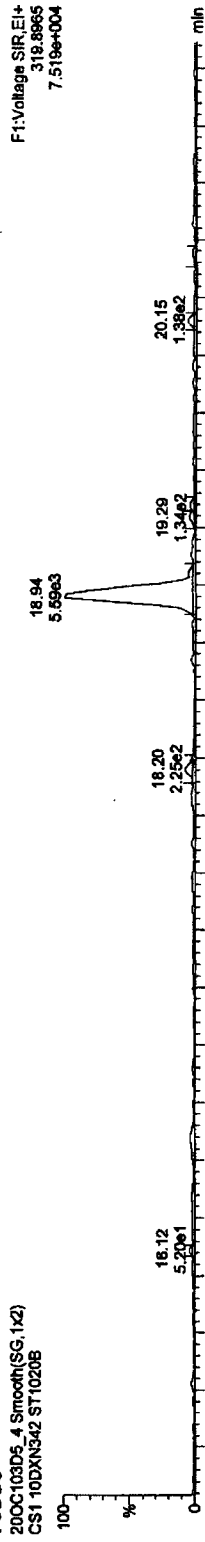
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

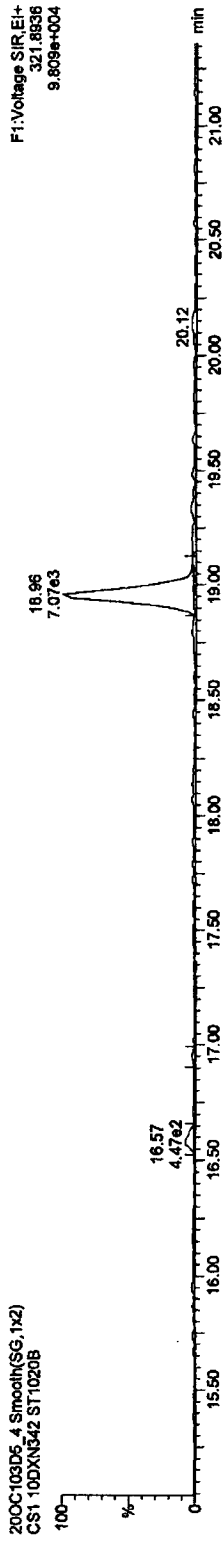
Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

TCDDs

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

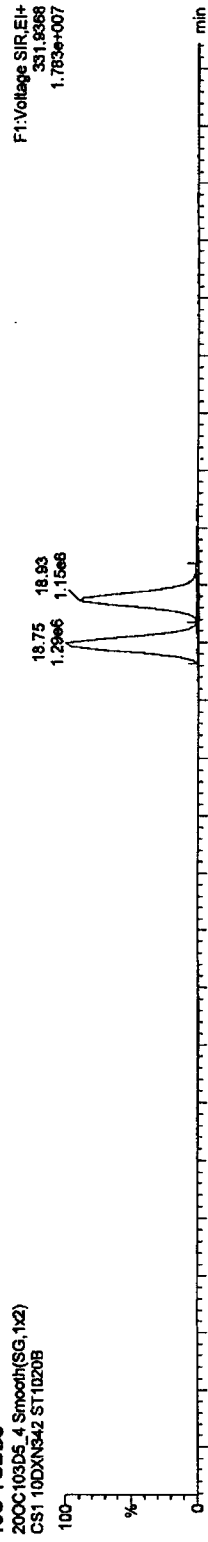


200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

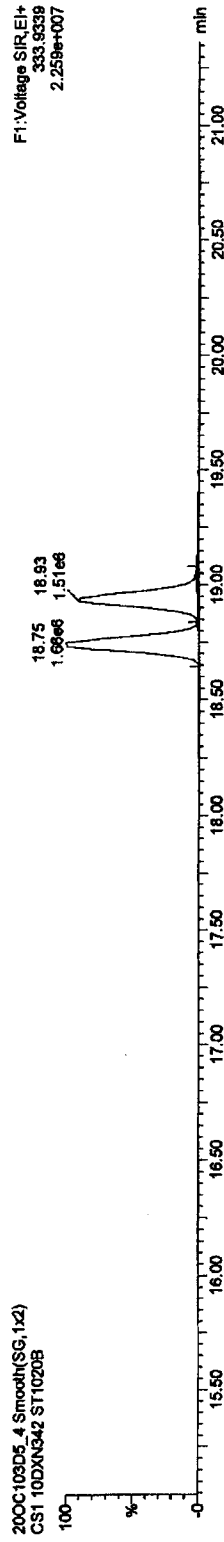


13C-TCDDs

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



Quantify Sample Report MassLynx 4.1

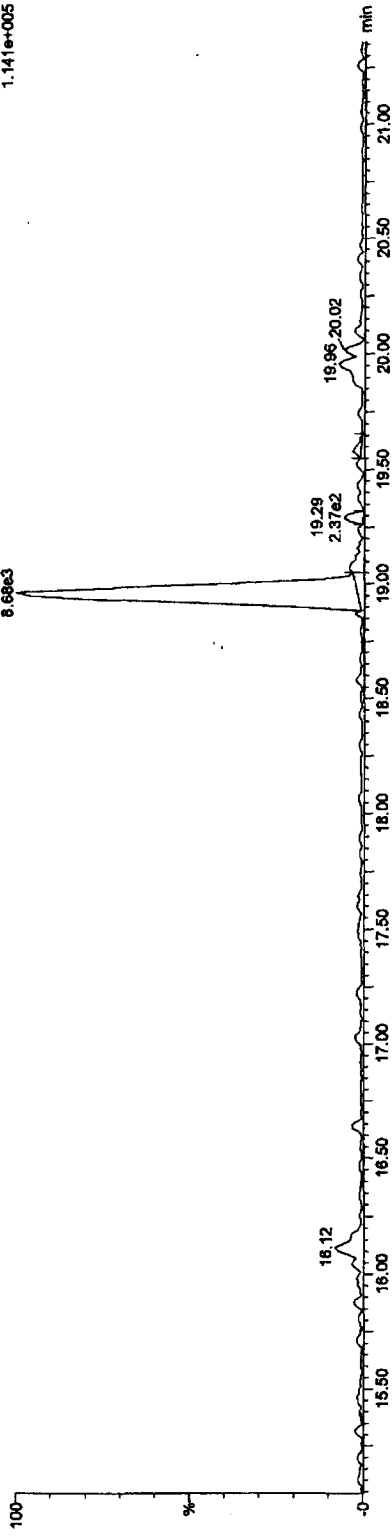
Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

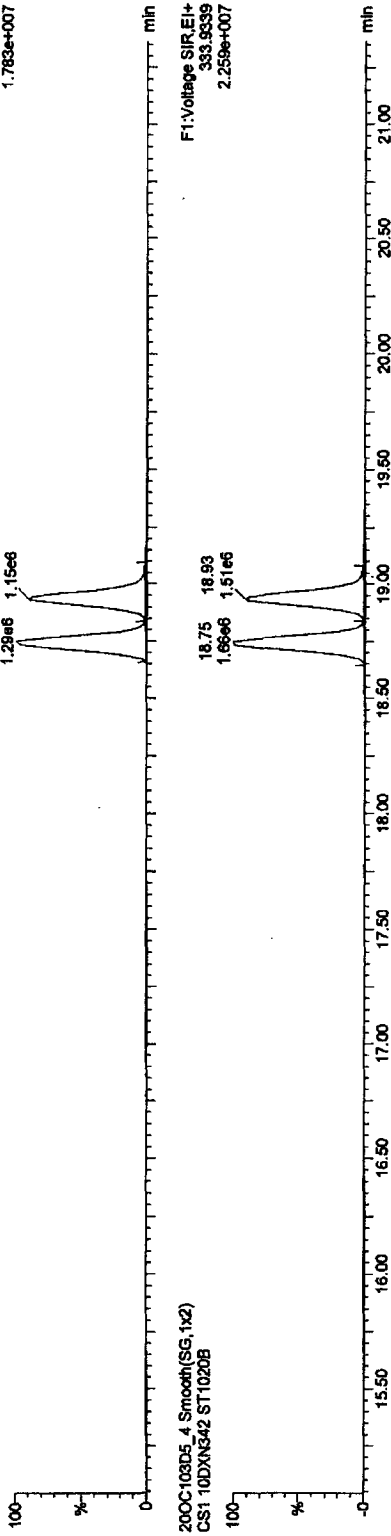
37CL-2,3,7,8-TCDD
200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

F1:Voltage SIR.EI+
327.8847
1.141e+005



13C-TCDDs
200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

F1:Voltage SIR.EI+
331.8368
1.783e+007



200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

F1:Voltage SIR.EI+
333.9339
2.259e+007

Quantify Sample Report MassLynx 4.1

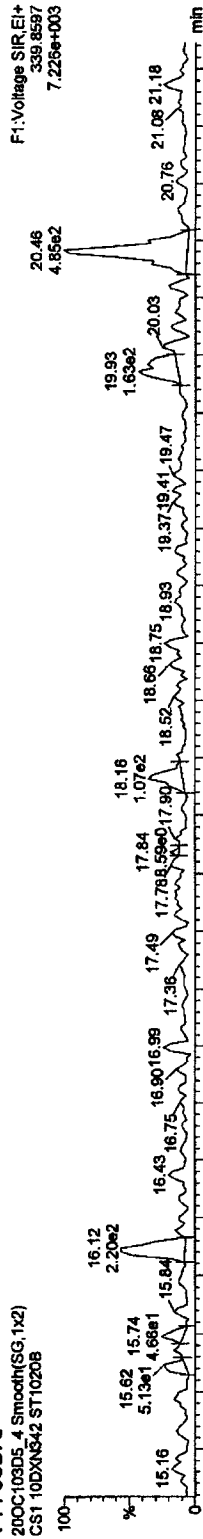
Dataset: C:\MassLynx\JAN2010\PROVICA1020103D5\1613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

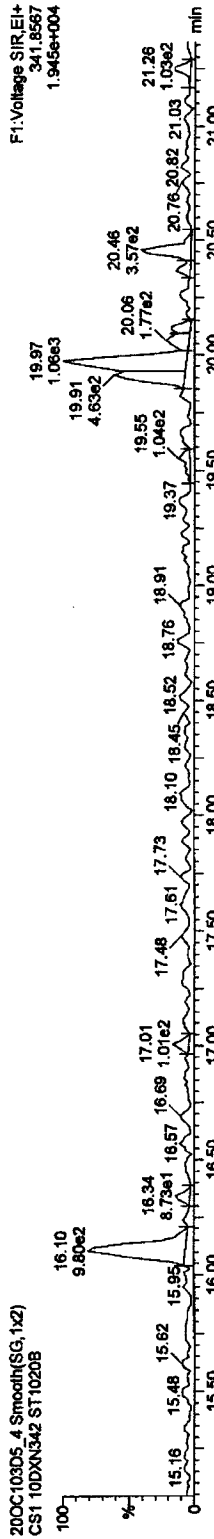
F1 PeCDFs

20OC103D5_4 Smooth(SG,1x2)
 CS1 10DXN342 ST1020B



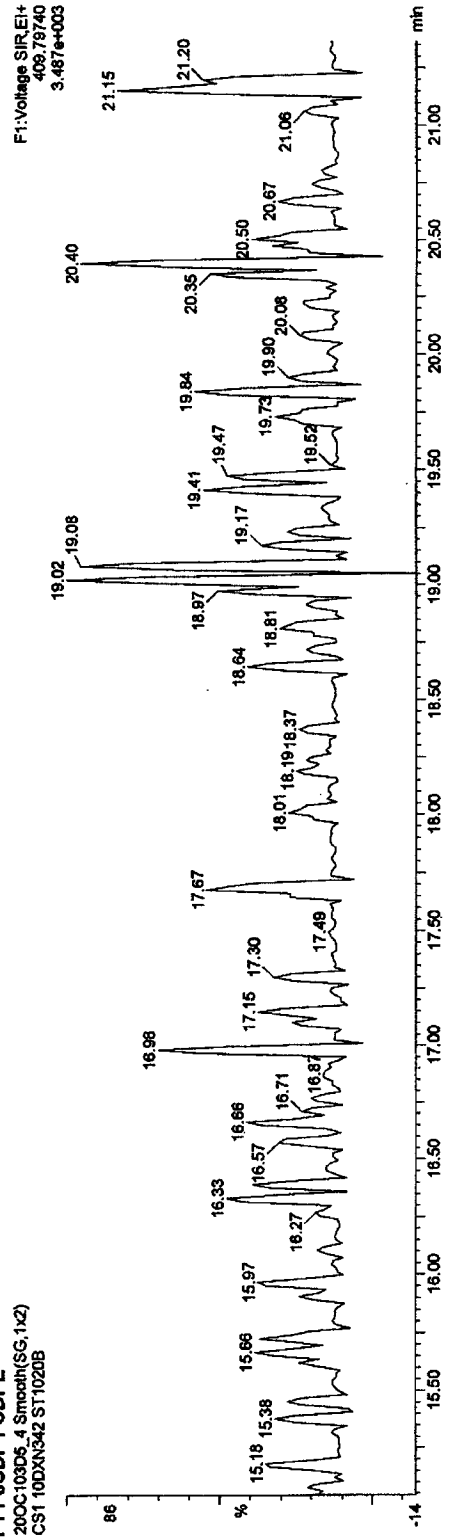
F1 PeCDF PCDPE

20OC103D5_4 Smooth(SG,1x2)
 CS1 10DXN342 ST1020B



F1 PeCDF PCDPE

20OC103D5_4 Smooth(SG,1x2)
 CS1 10DXN342 ST1020B



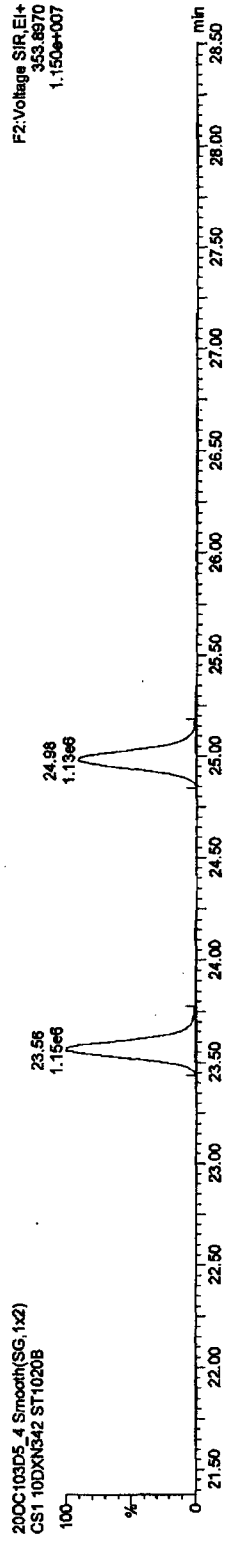
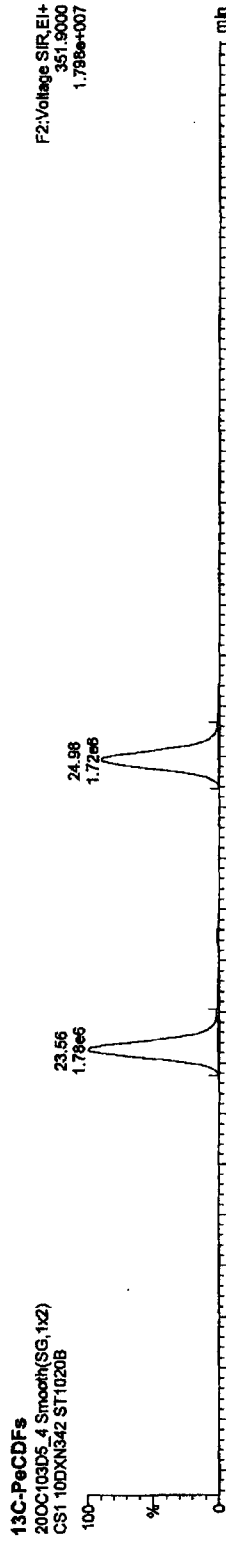
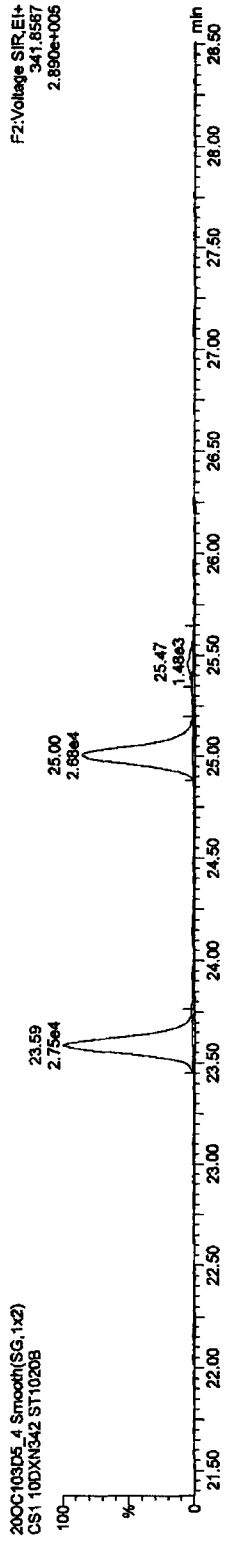
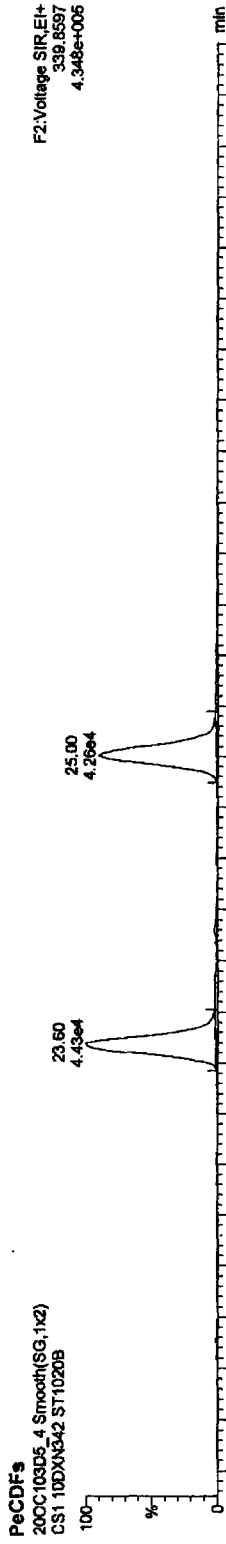
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

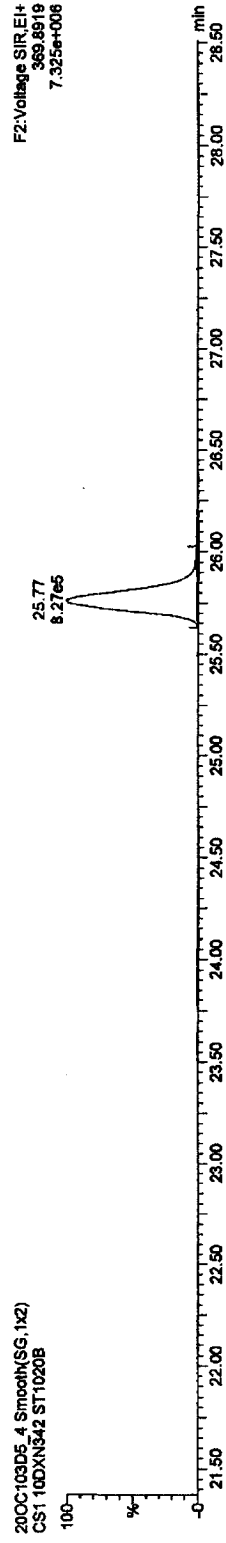
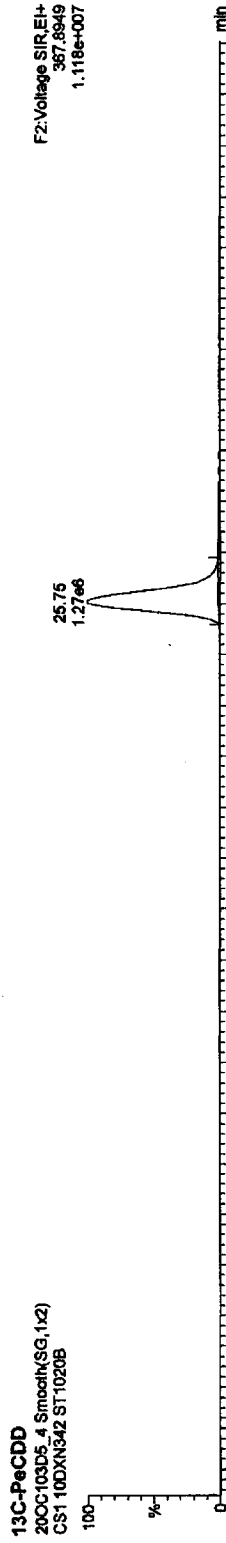
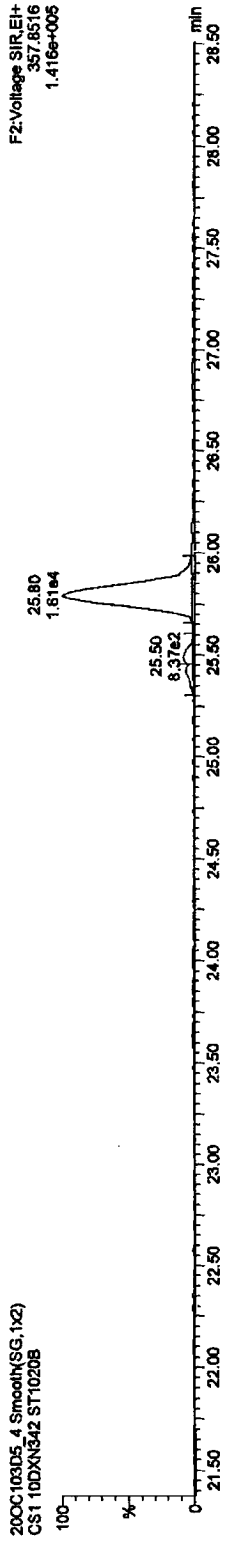
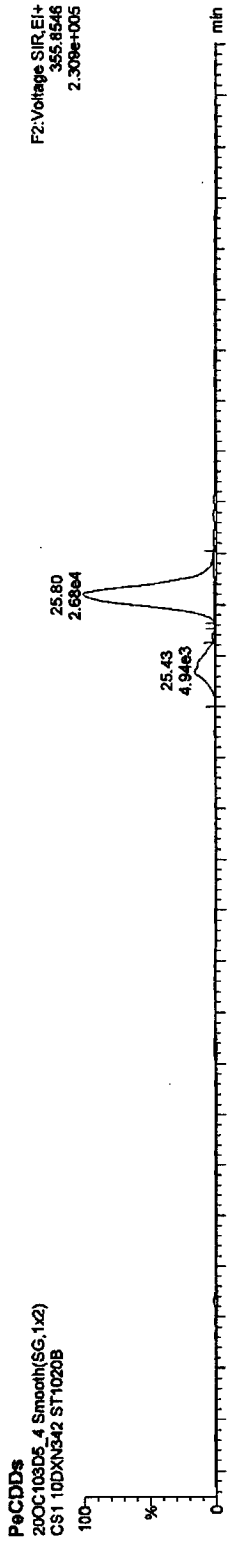
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA1020103D51613.qld
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



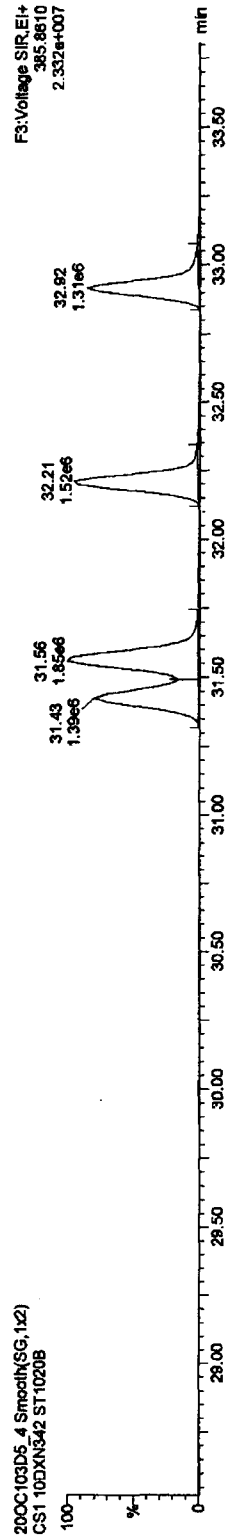
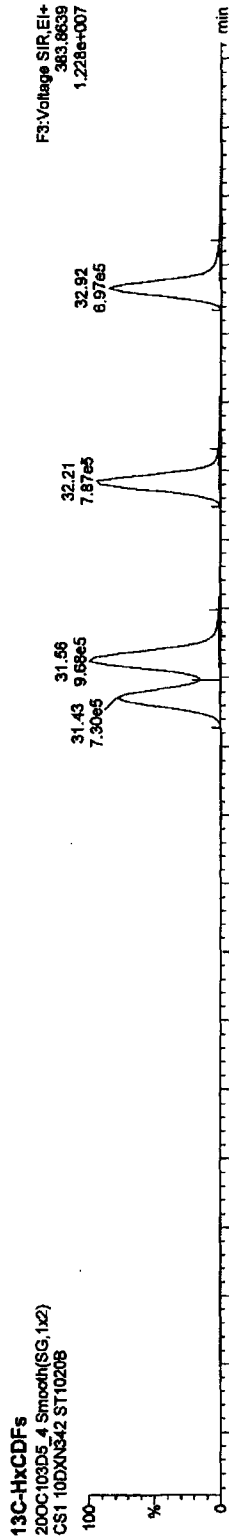
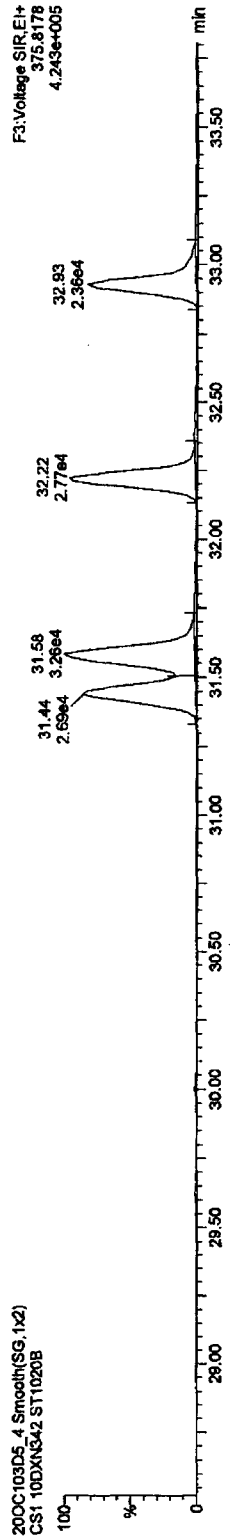
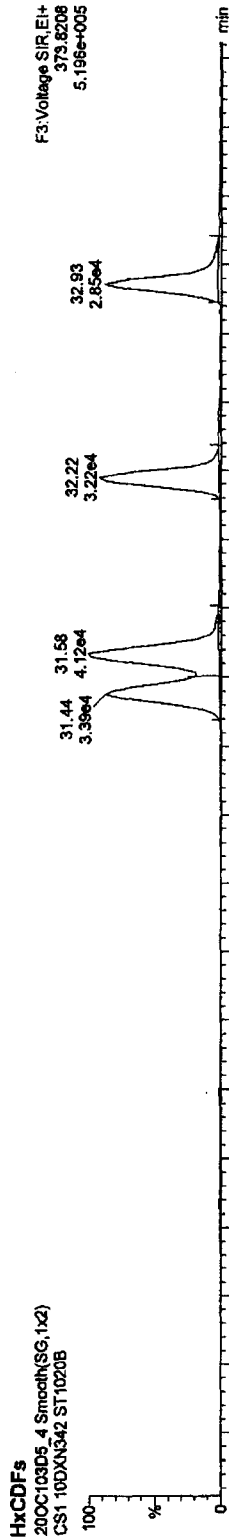
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PROVCA1020103D51613.qld

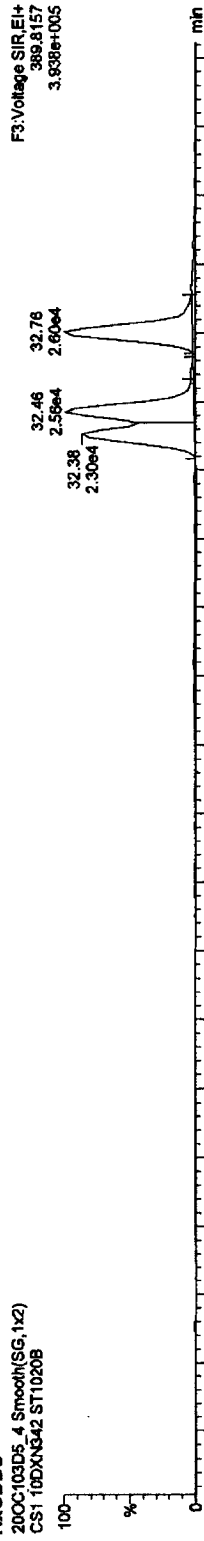
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

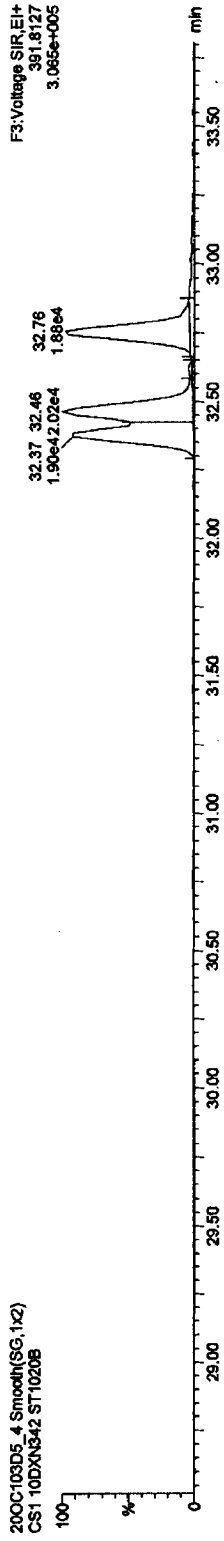
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

HxCDDs

20OC103D5_4.SMOOTH(SG,1x2)
CS1 10DXN342 ST1020B

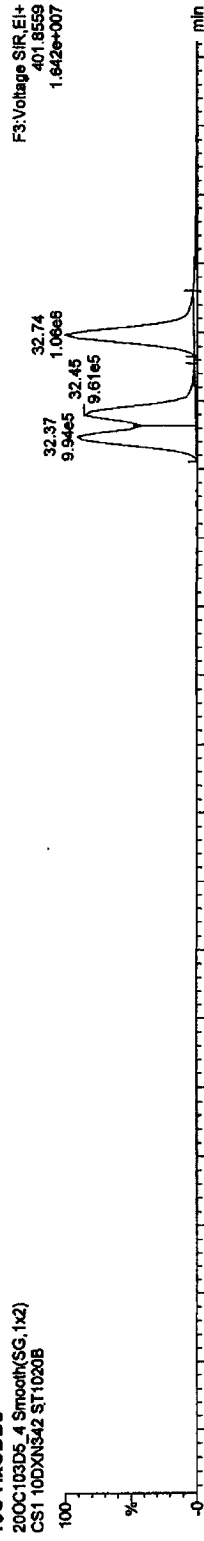


20OC103D5_4.SMOOTH(SG,1x2)
CS1 10DXN342 ST1020B

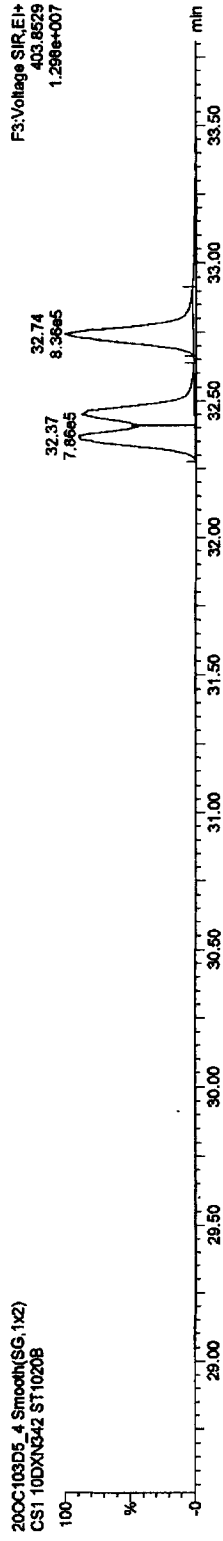


13C-HxCDDs

20OC103D5_4.SMOOTH(SG,1x2)
CS1 10DXN342 ST1020B



20OC103D5_4.SMOOTH(SG,1x2)
CS1 10DXN342 ST1020B



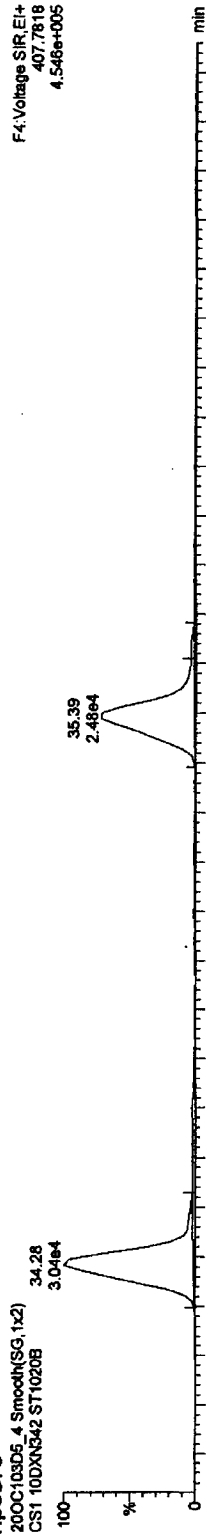
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\NCA1020103D51613.qld

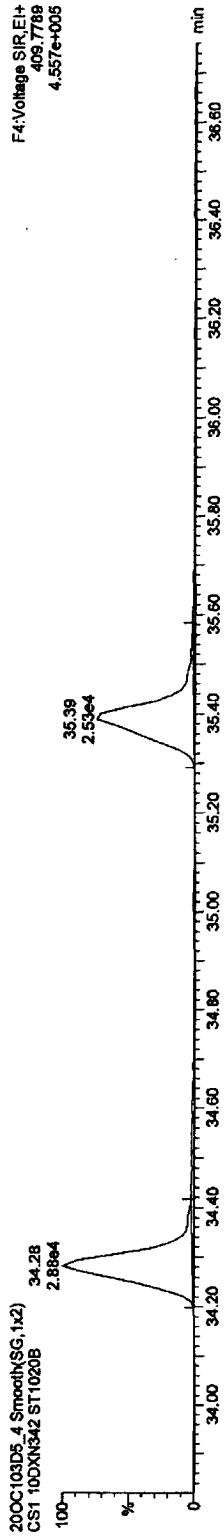
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

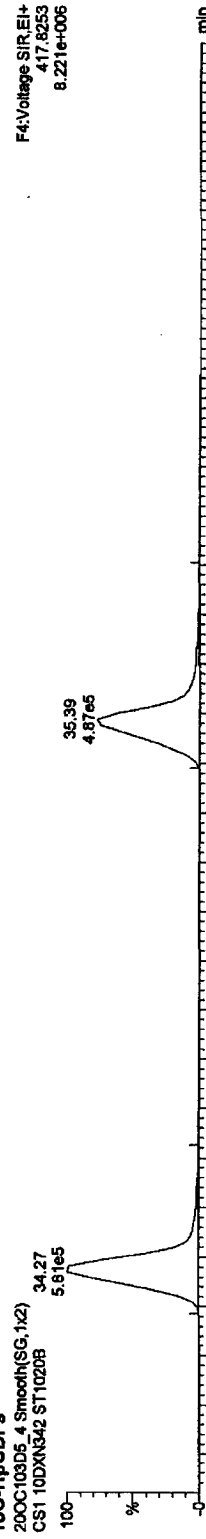
HpCDFs



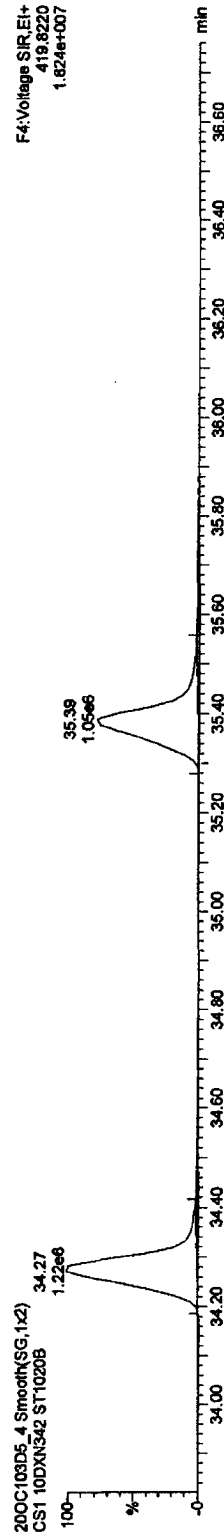
20OC103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



13C-HpCDFs



20OC103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

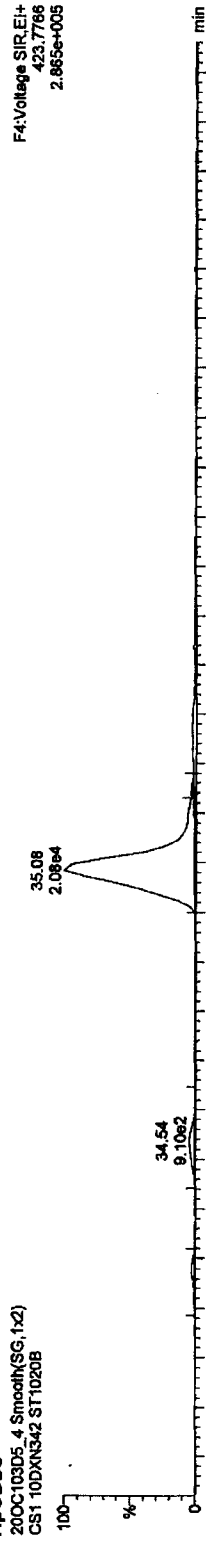
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

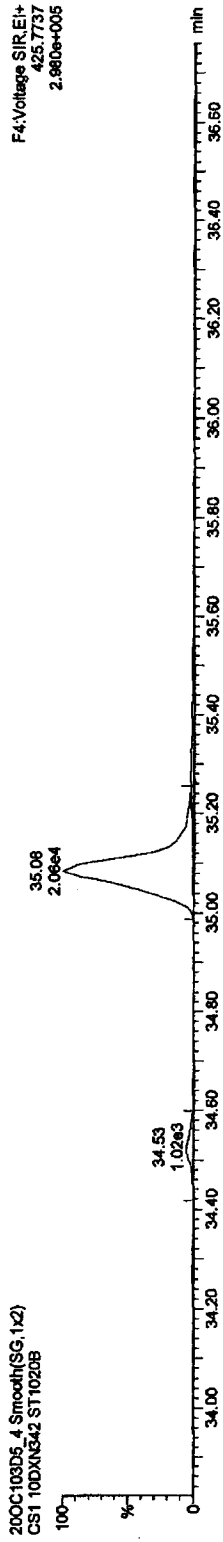
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

HpCDDs

20OC103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

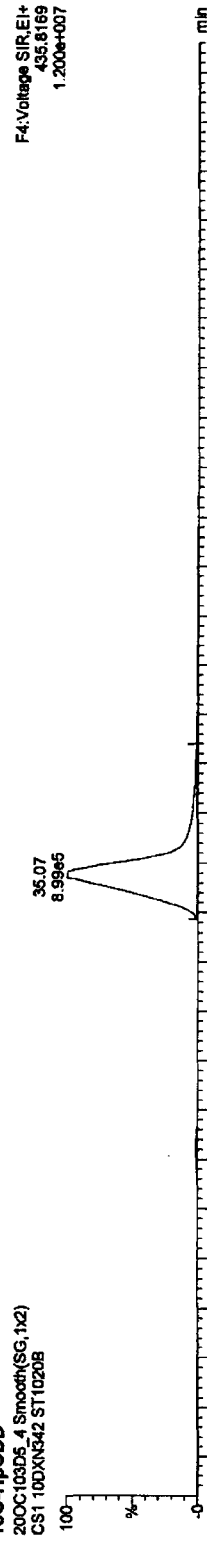


20OC103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

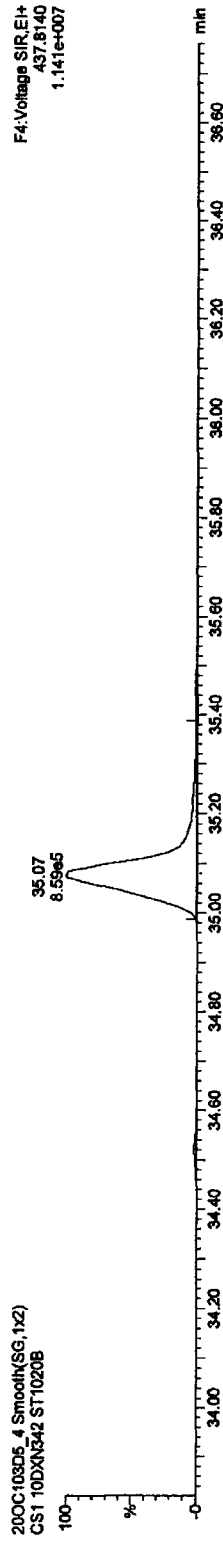


13C-HpCDD

20OC103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



20OC103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



Quantify Sample Report MassLynx 4.1

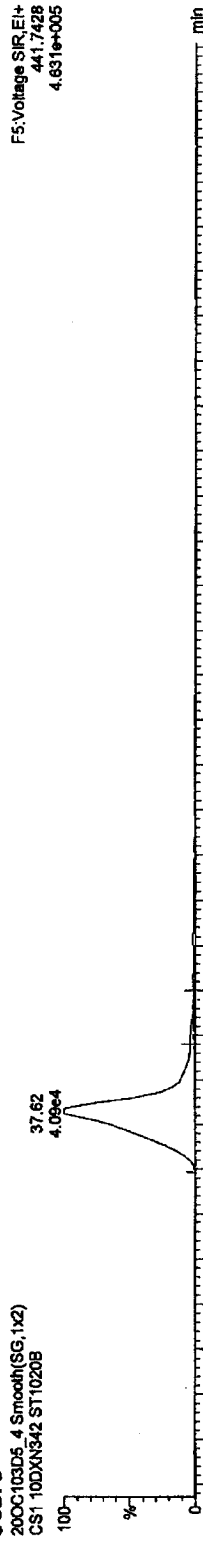
Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qtd

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

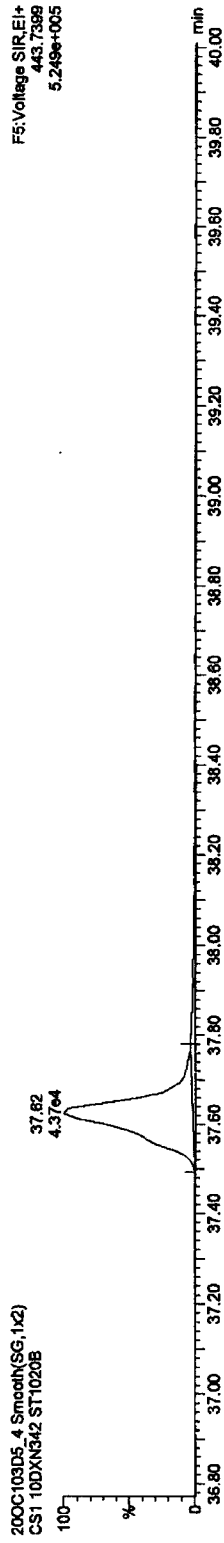
Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

OCDFs

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

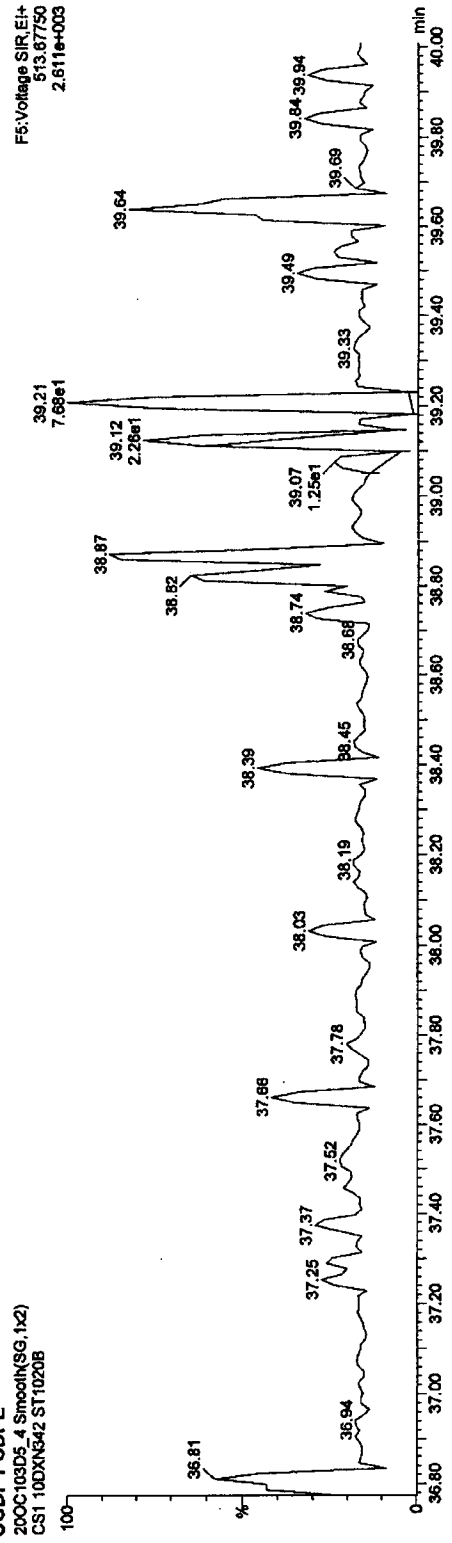


200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



OCDF PCDPE

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



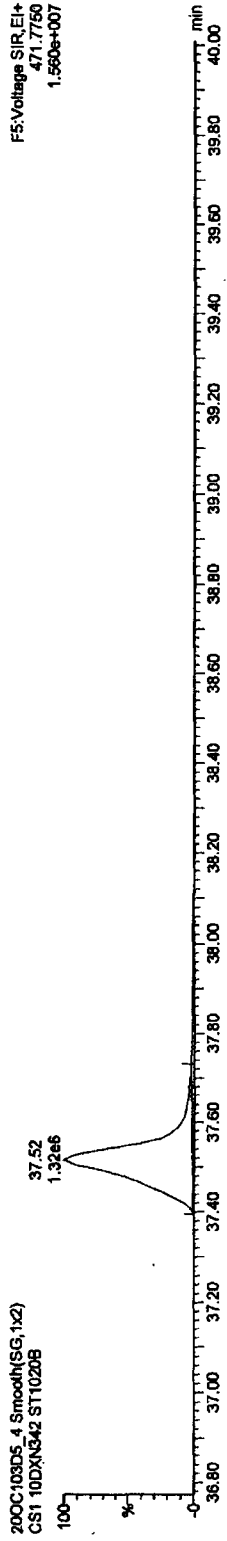
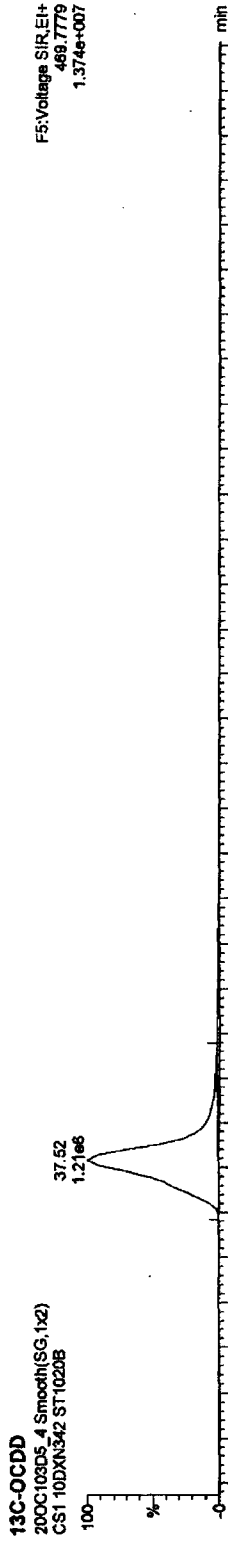
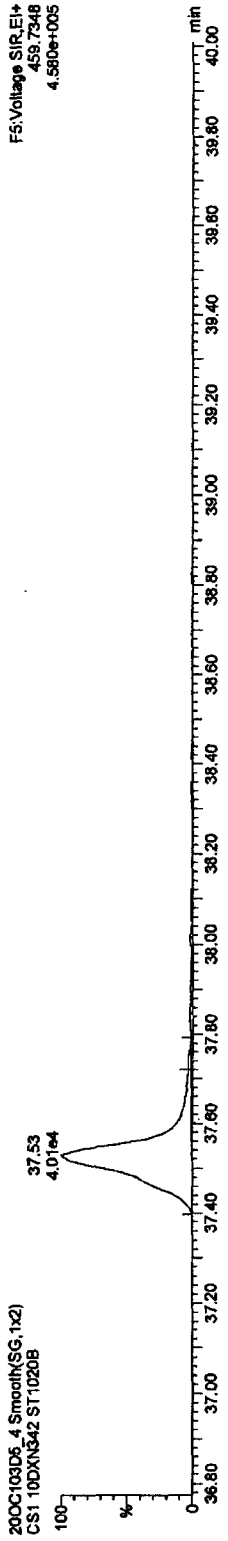
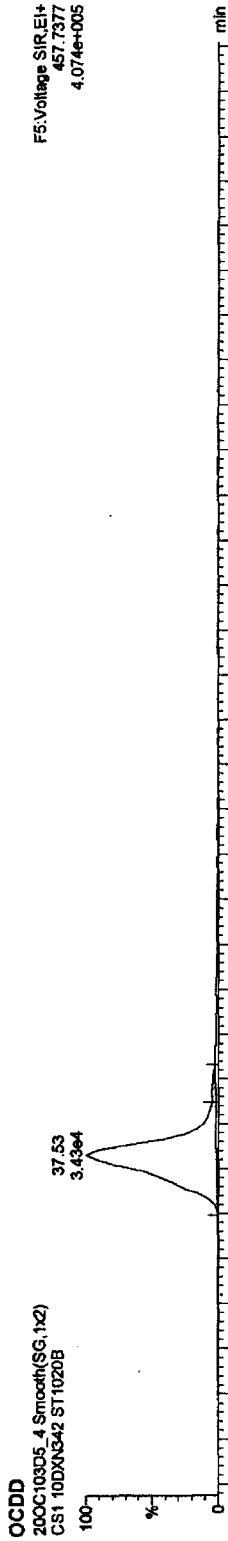
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



Quantify Sample Report MassLynx 4.1

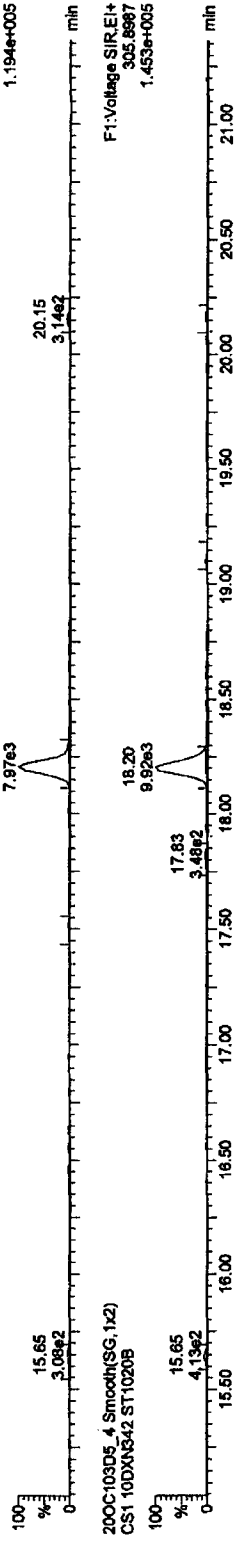
Dataset: C:\MassLynx\JAN2010\PROUCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

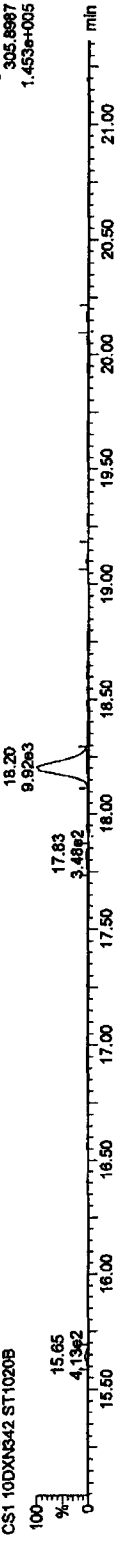
Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

TCDFs

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

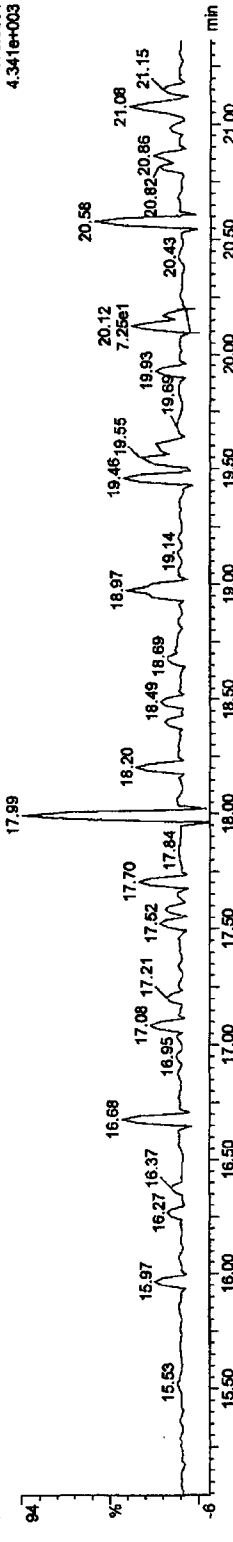


200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



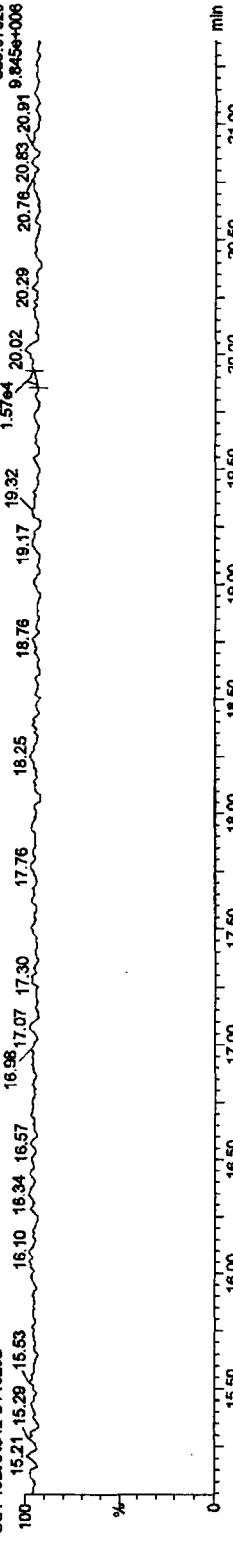
TCDF PCDPE

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



Function 1 PFK

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

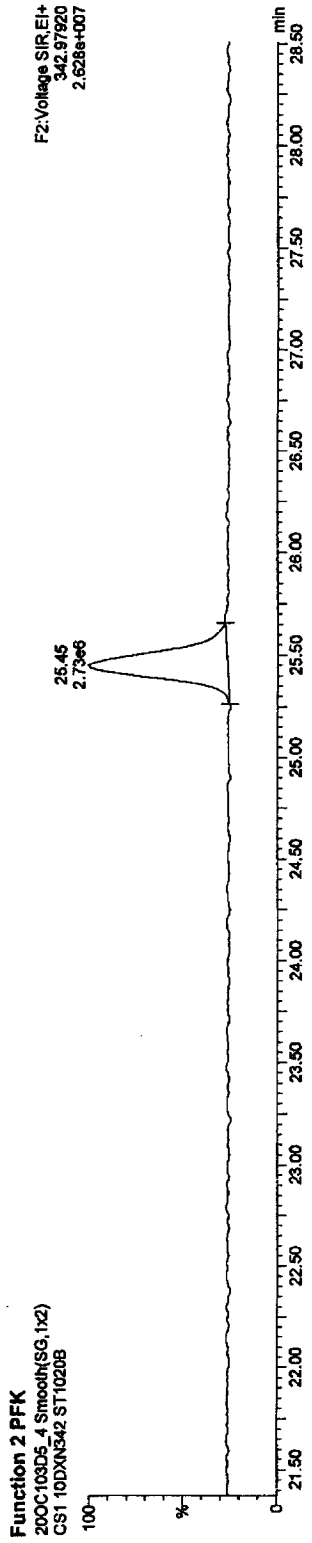
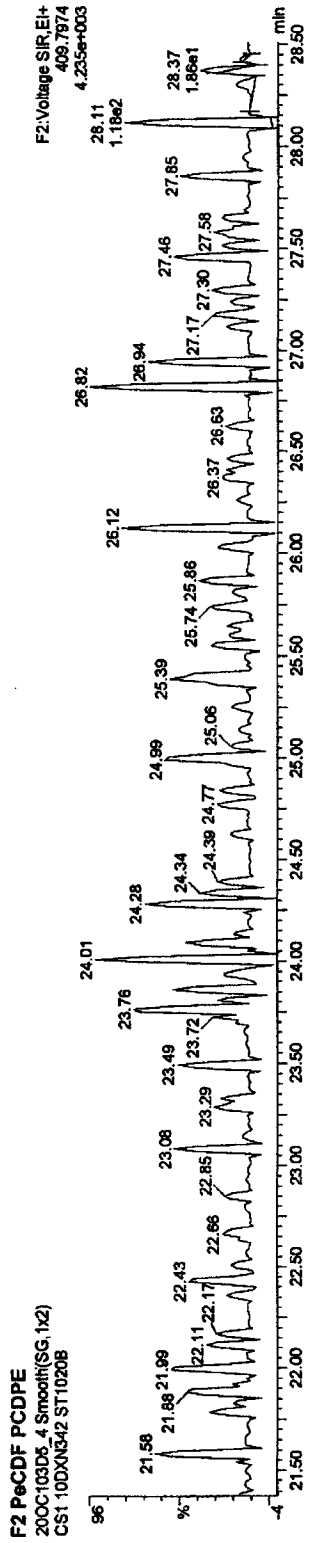
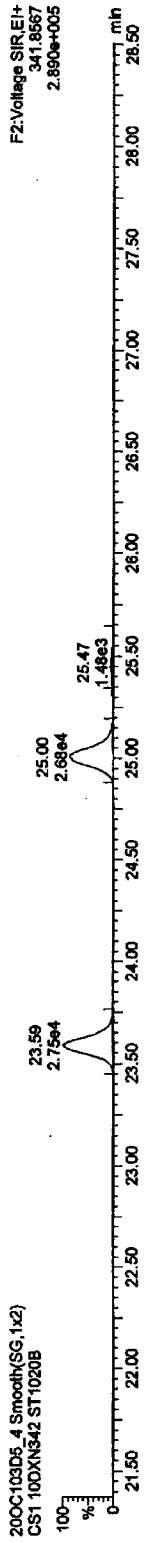
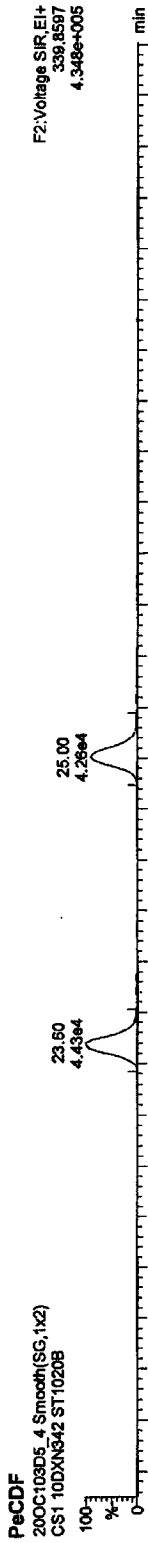


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



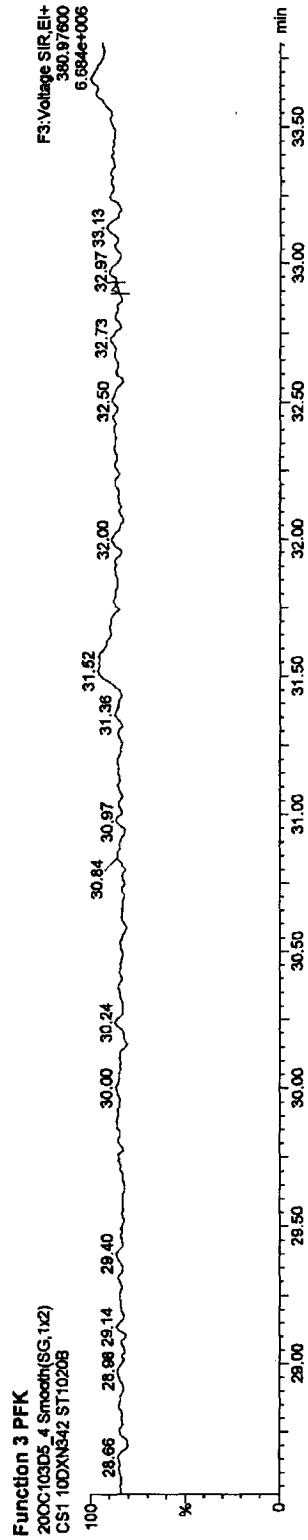
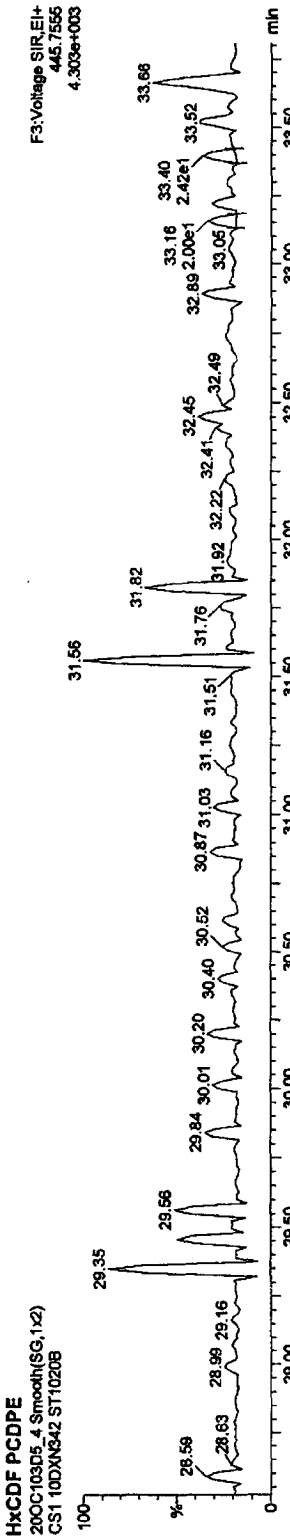
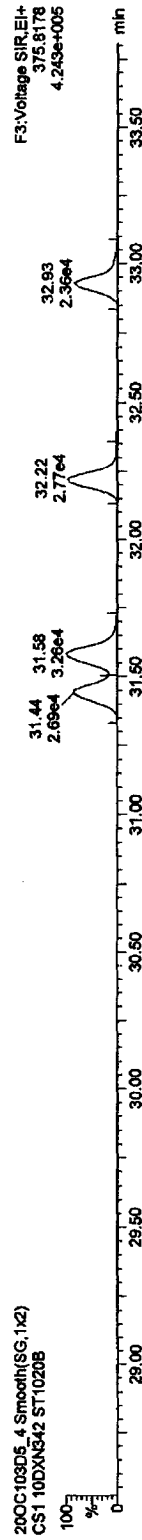
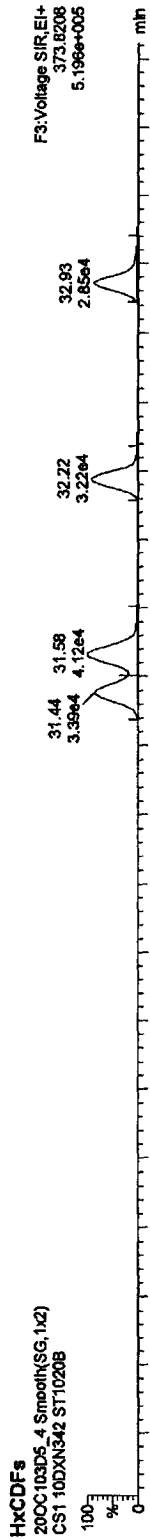
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



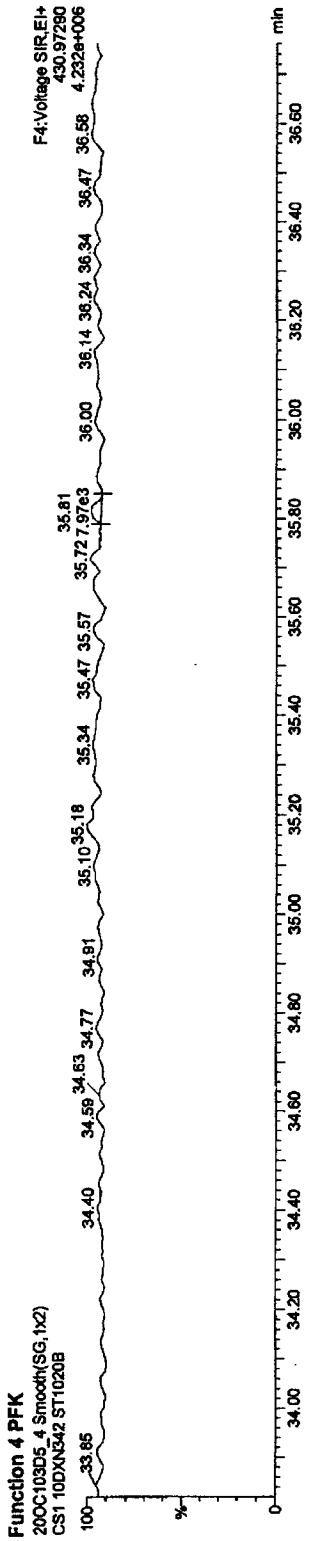
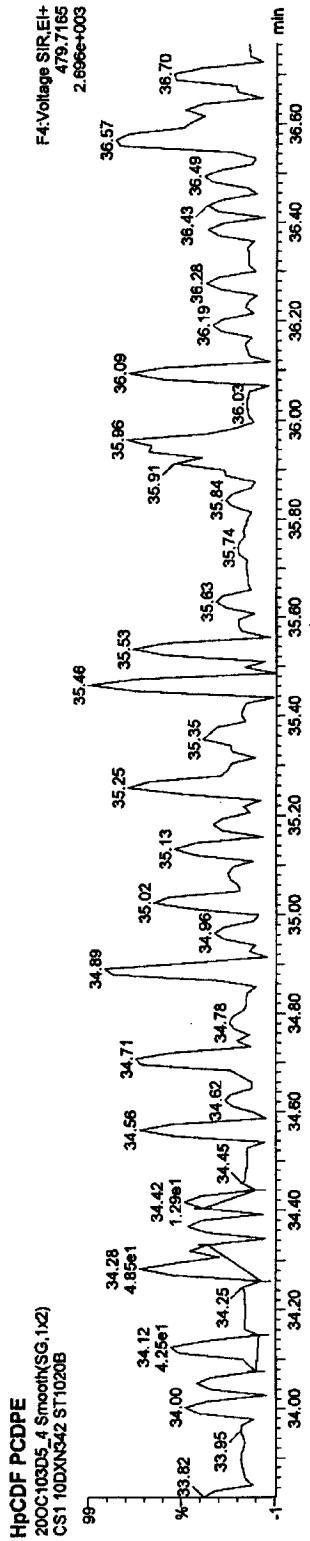
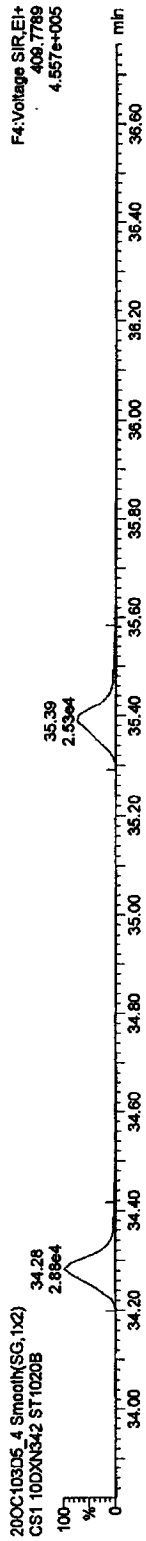
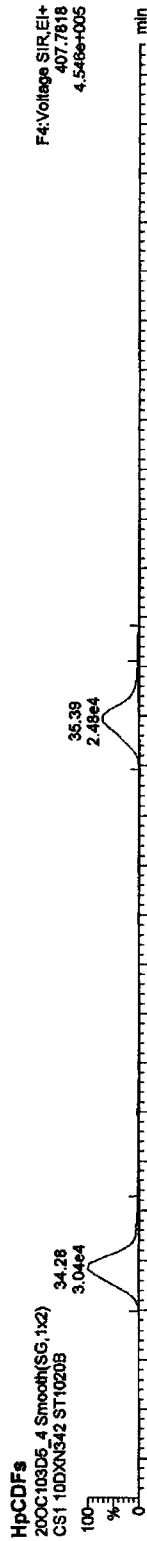
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONCA1020103D51613.qld

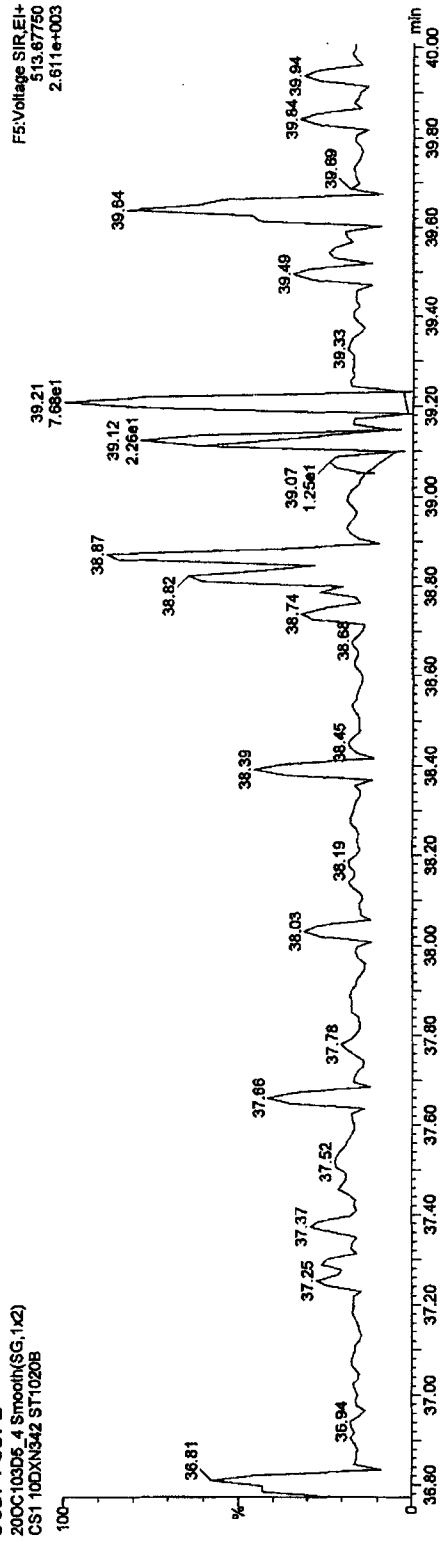
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

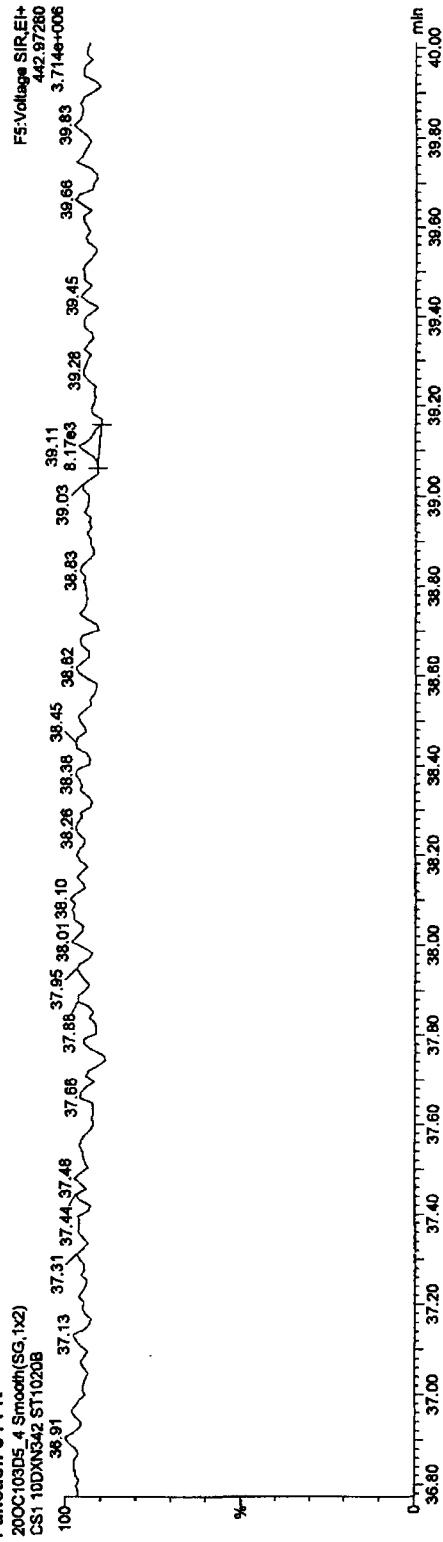
OCDF PCOPE

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B



Function 5 PFK

200C103D5_4 Smooth(SG,1x2)
CS1 10DXN342 ST1020B

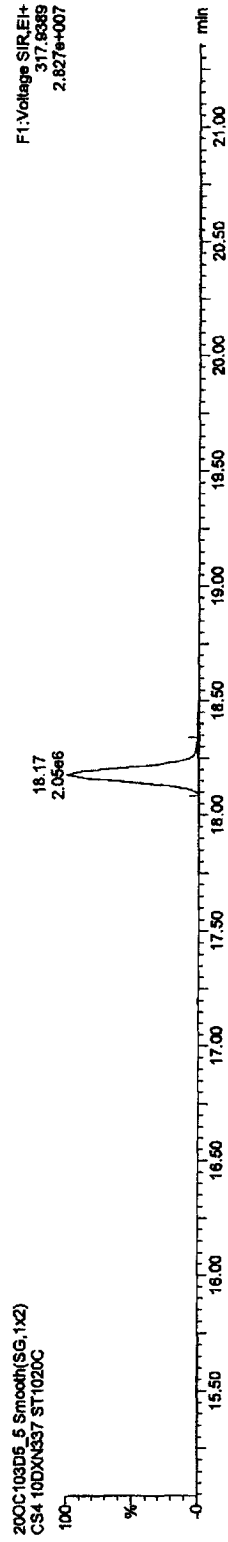
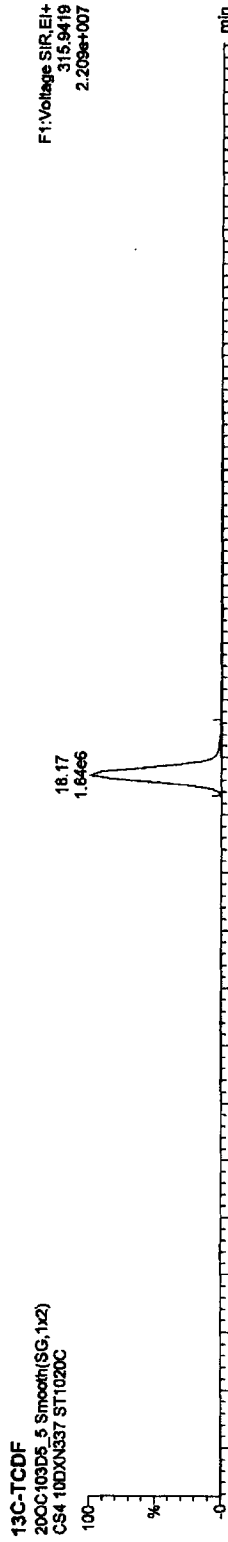
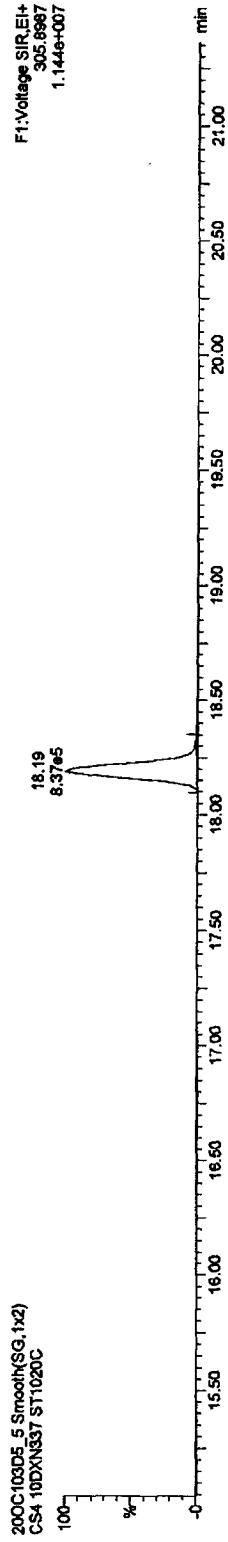
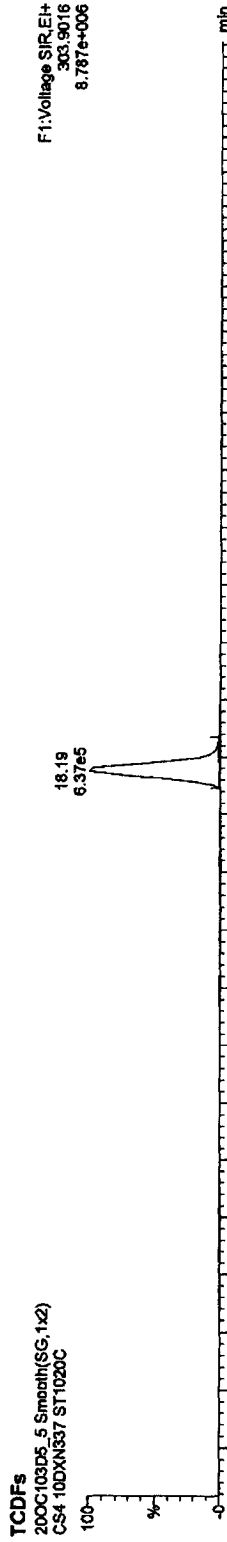


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337



Quantify Sample Report MassLynx 4.1

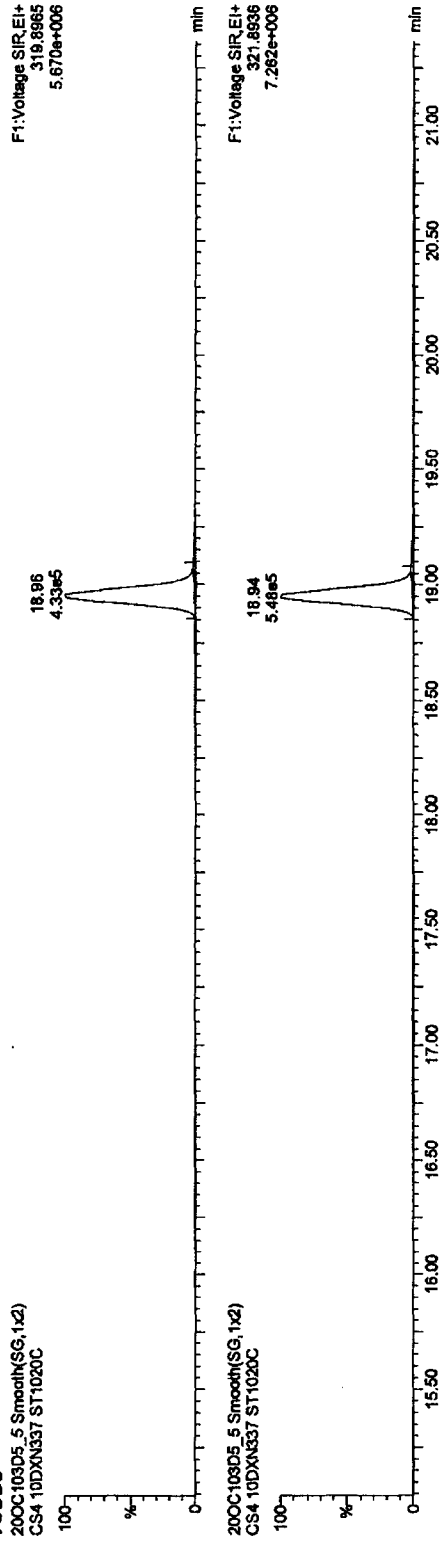
Dataset: C:\MassLynx\JAN2010\PROUCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

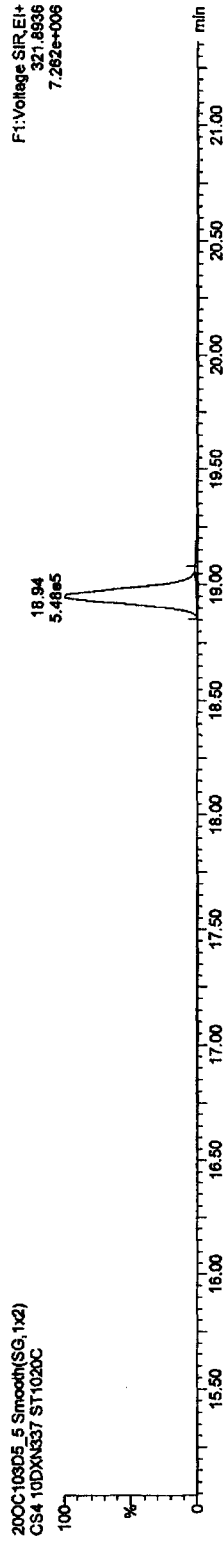
TCDDs

200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



F1:Voltage SIR.EI+
319.8965
5.670e+006

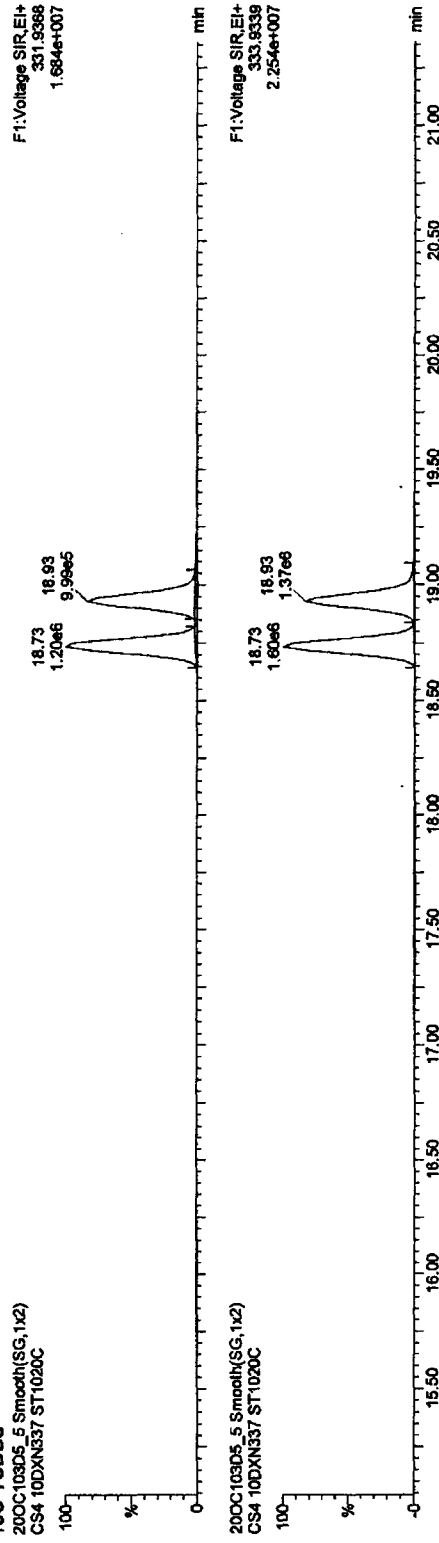
200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



F1:Voltage SIR.EI+
321.8936
7.282e+006

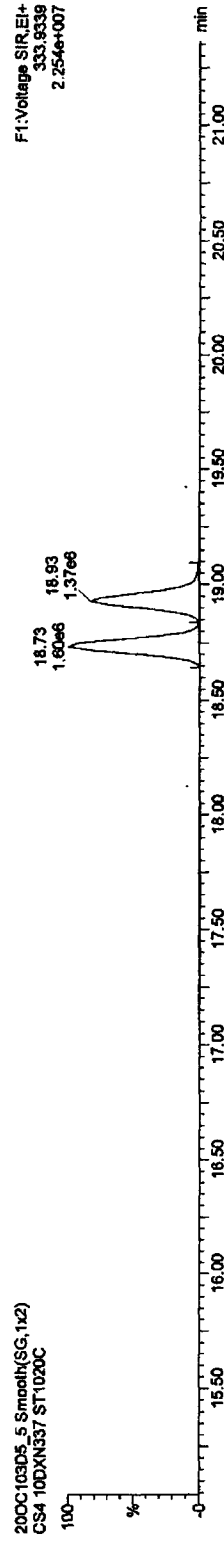
13C-TCDDs

200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



F1:Voltage SIR.EI+
331.9368
1.694e+007

200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



F1:Voltage SIR.EI+
333.9338
2.254e+007

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010\PRONICA1020103D51613.qld

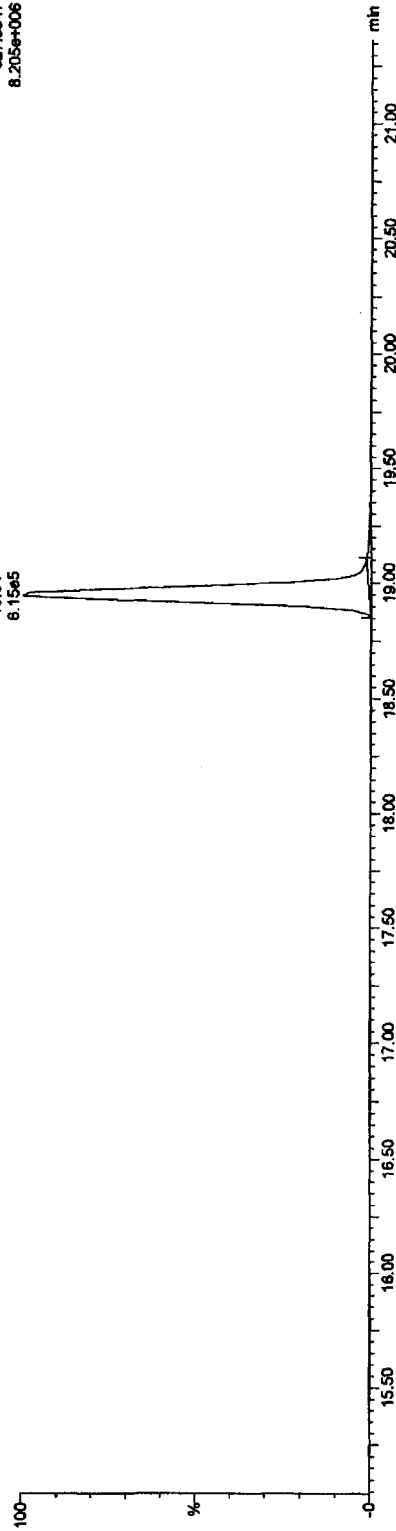
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

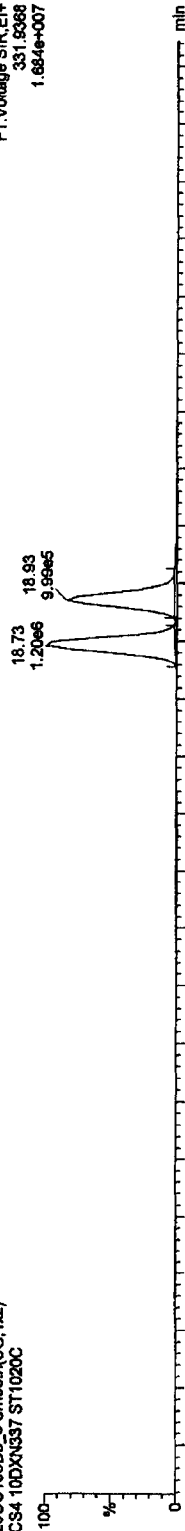
37CL-2,3,7,8-TCDD
200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

F1:Voltage SIR,El+
327.8847
8.205e+006



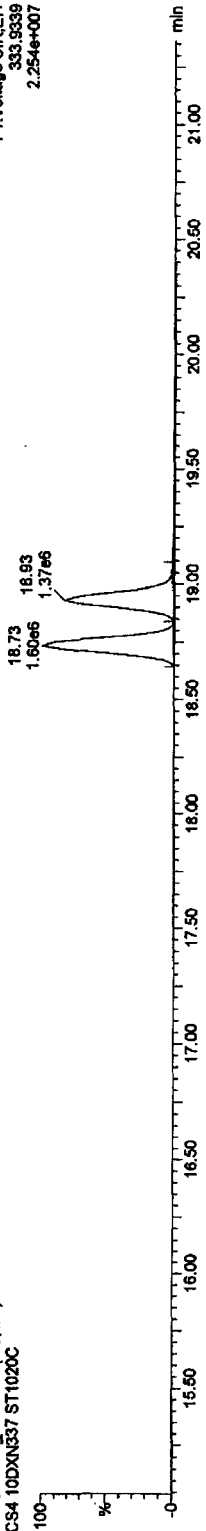
13C-TCDDs
200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

F1:Voltage SIR,El+
331.9368
1.694e+007



200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

F1:Voltage SIR,El+
333.9339
2.254e+007



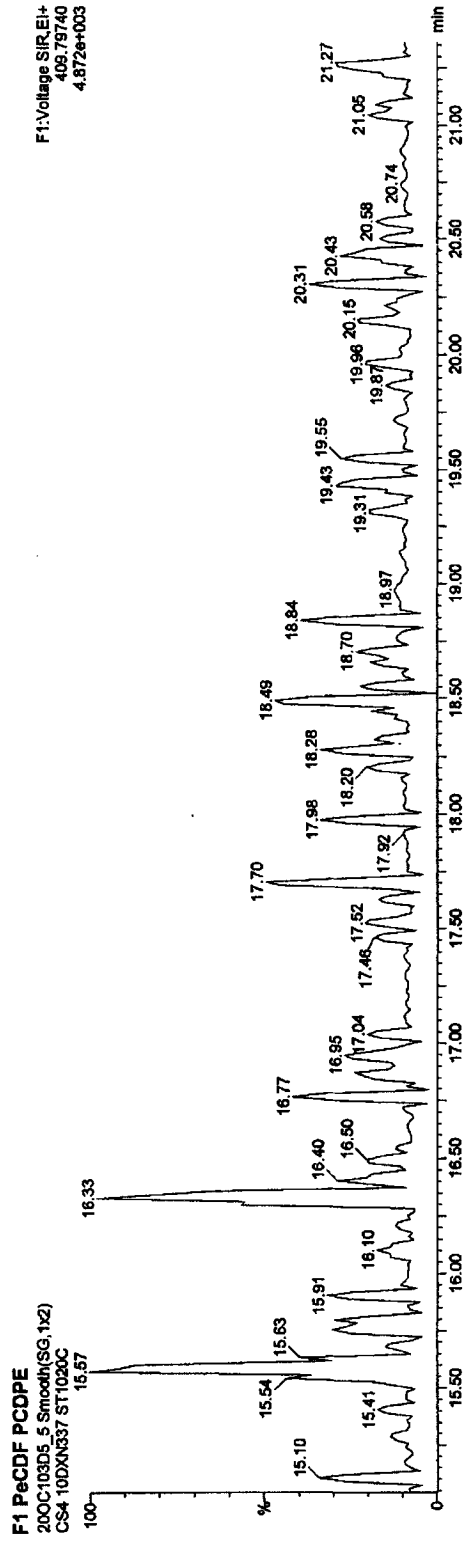
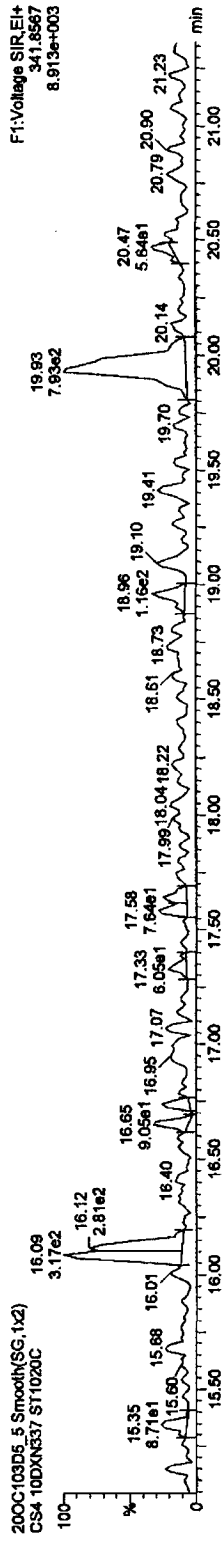
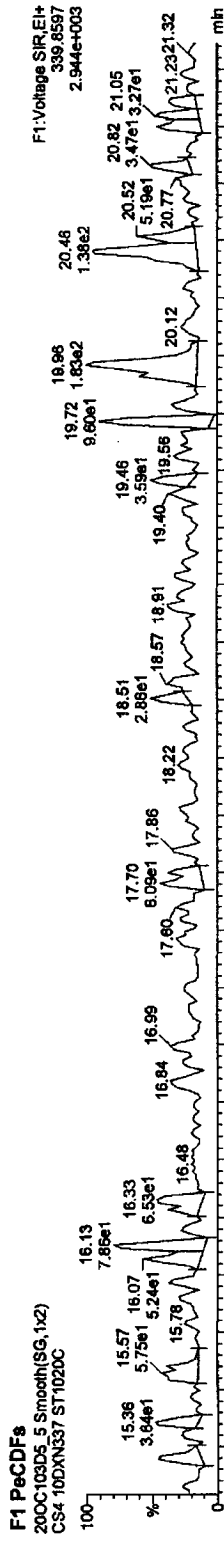
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

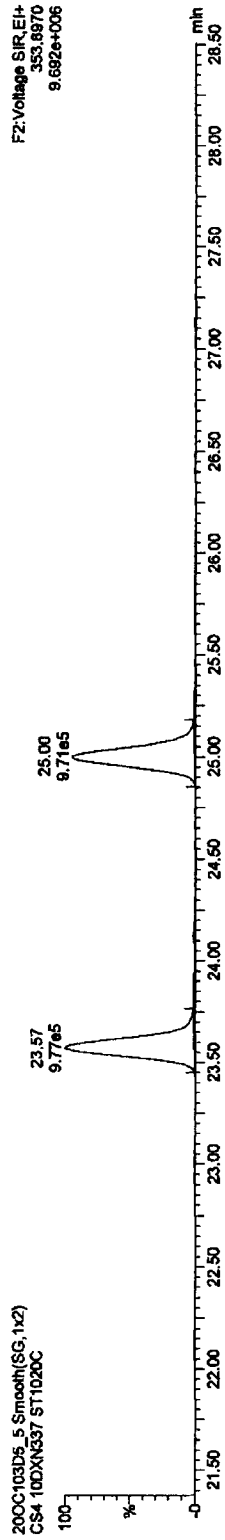
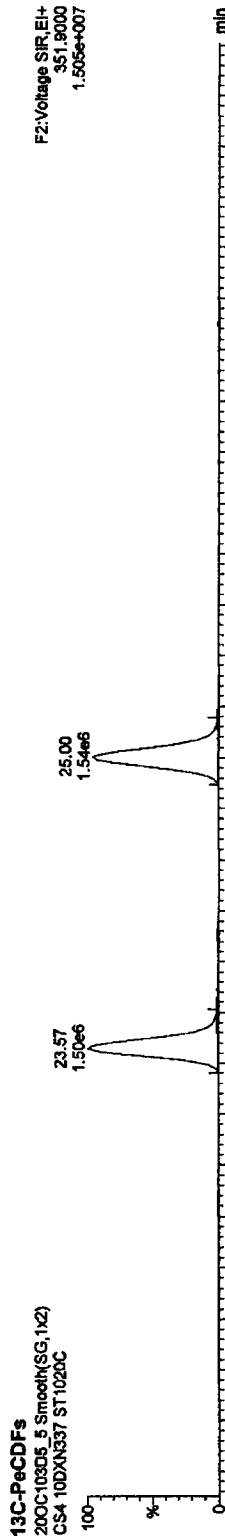
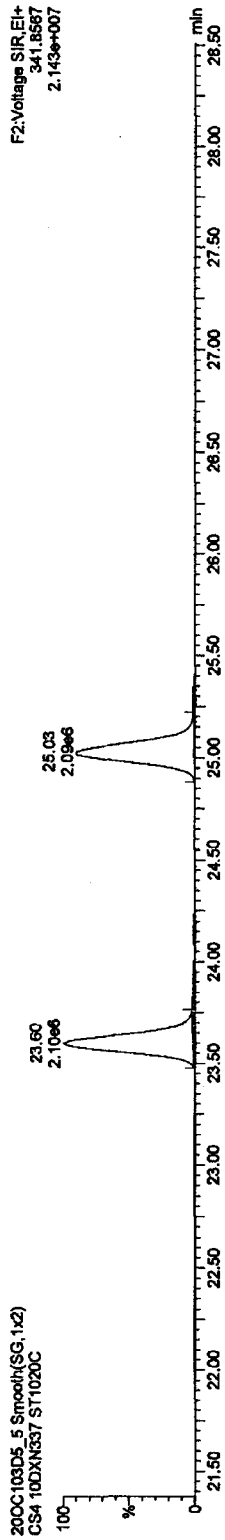
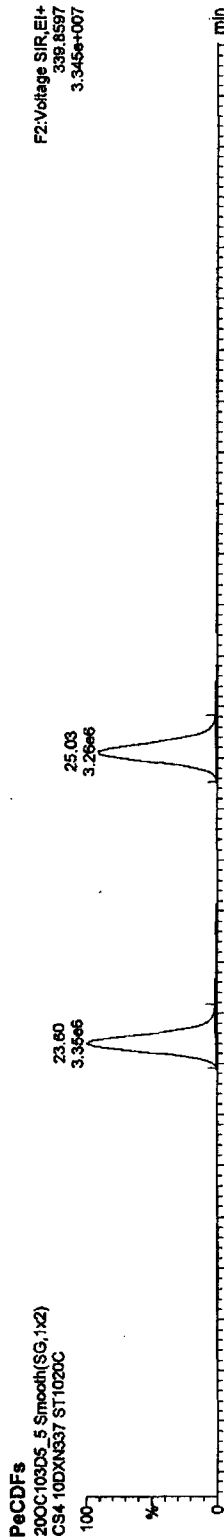


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337



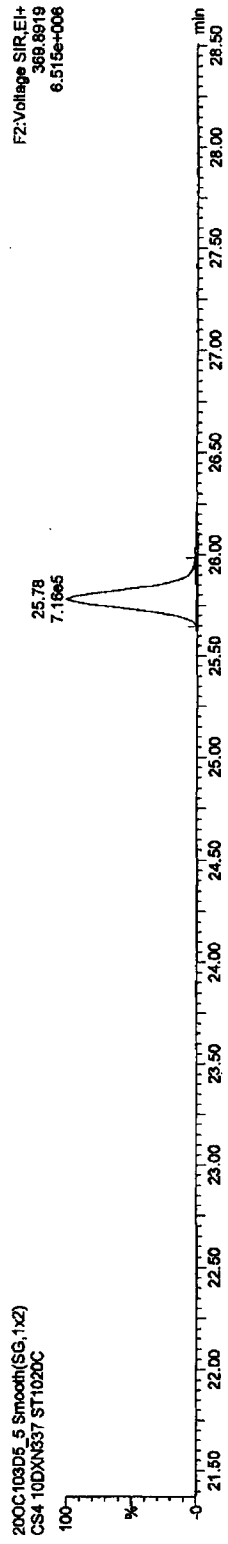
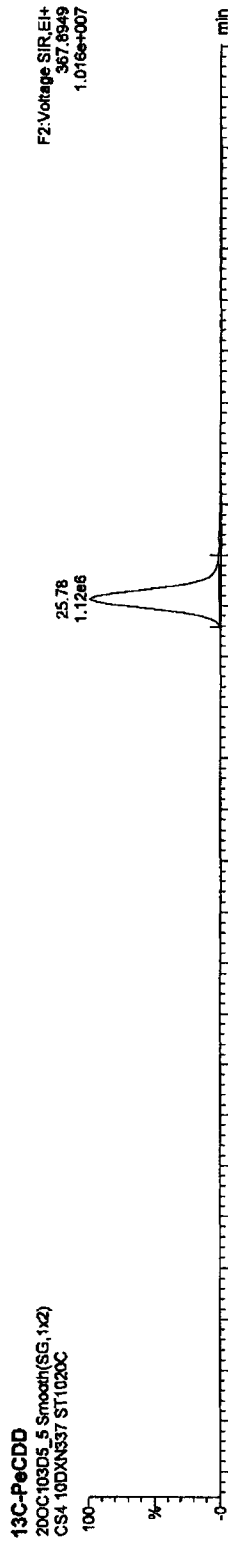
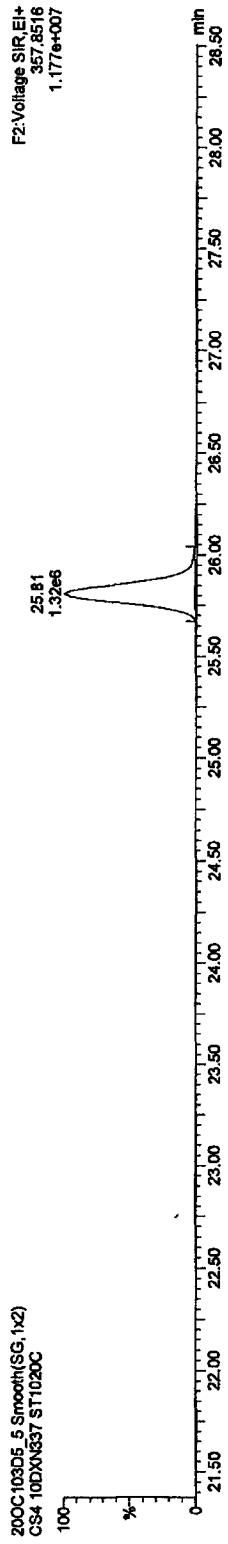
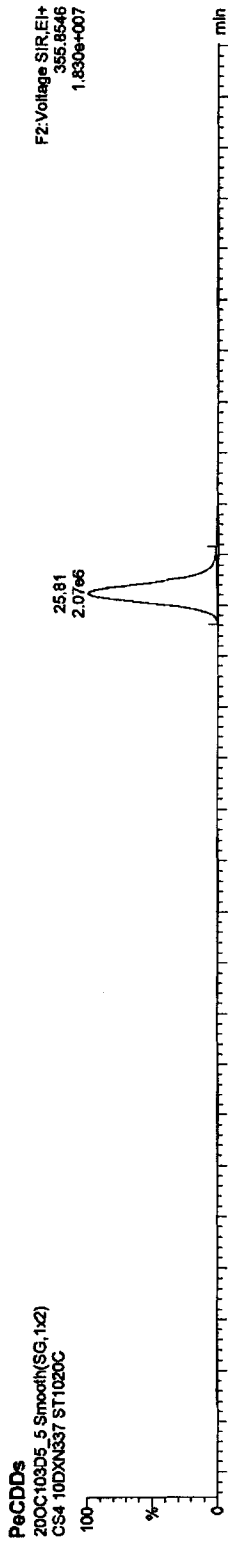
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337



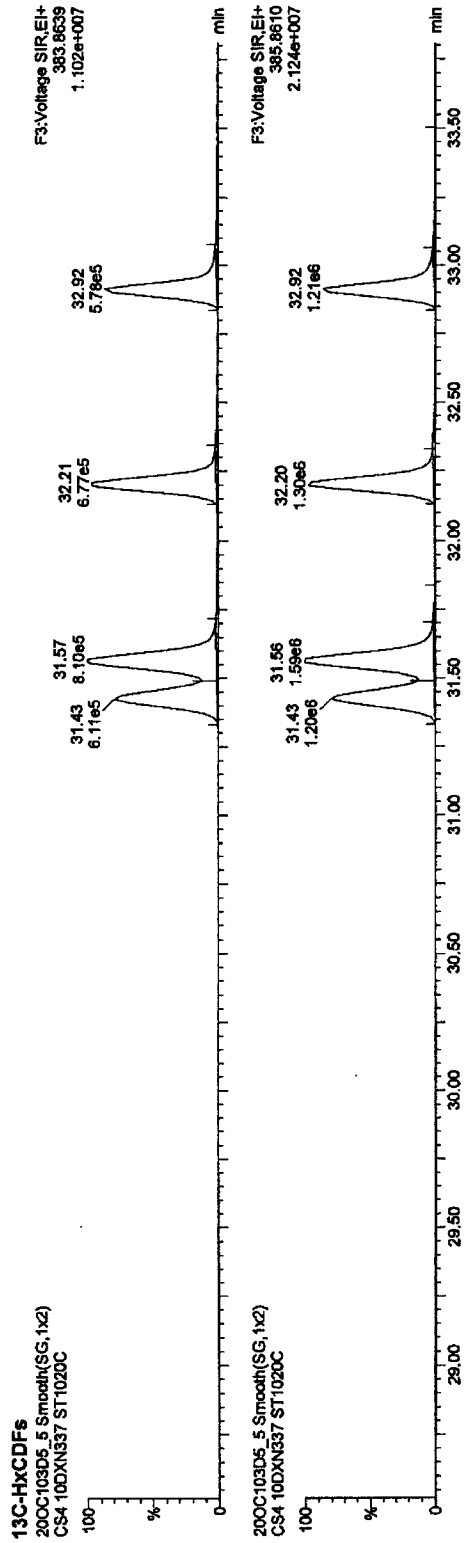
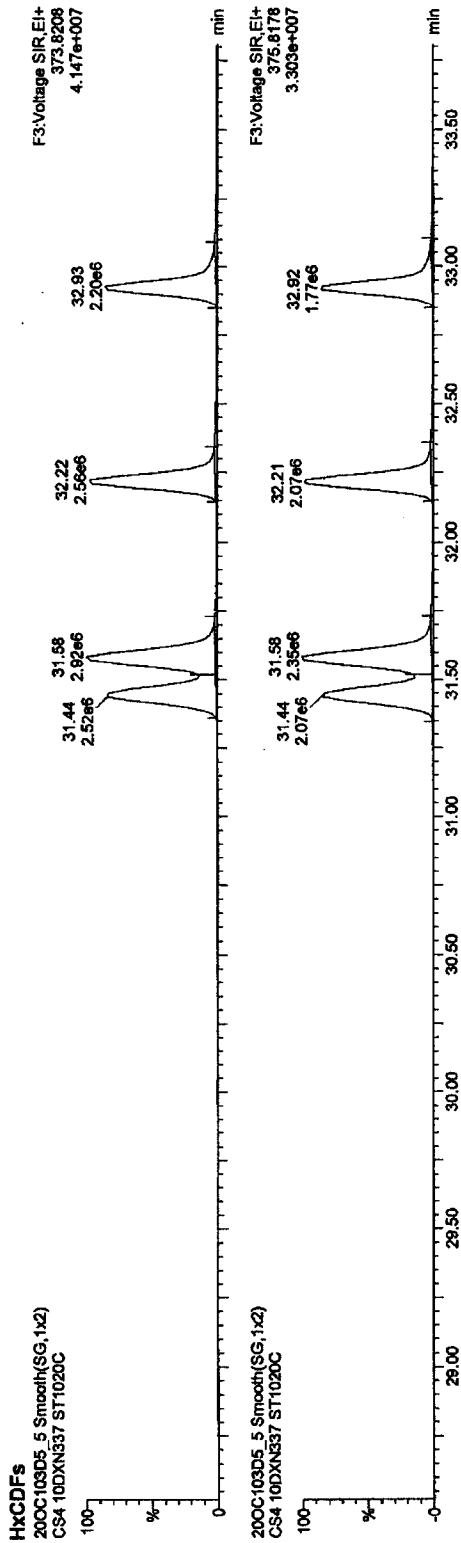
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337



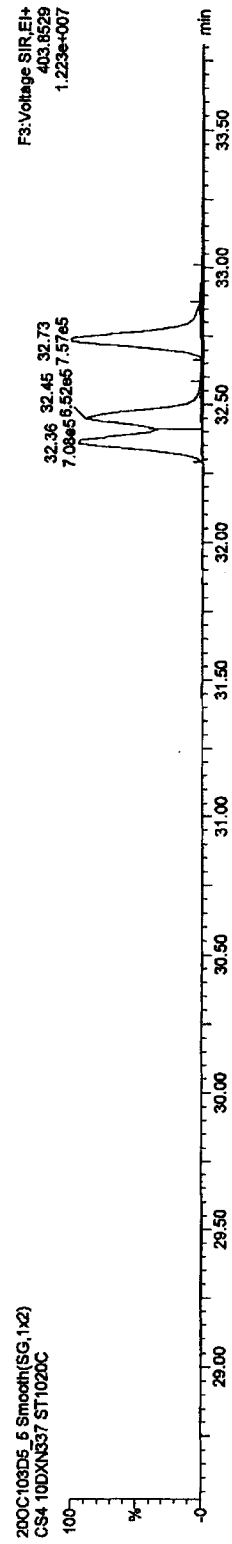
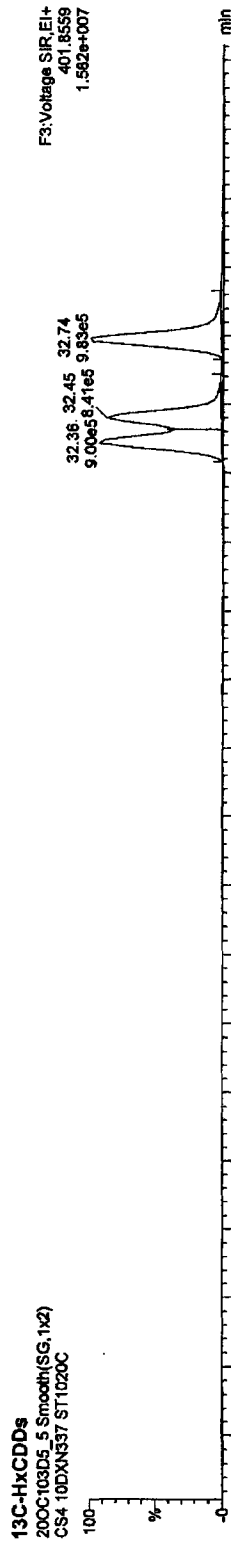
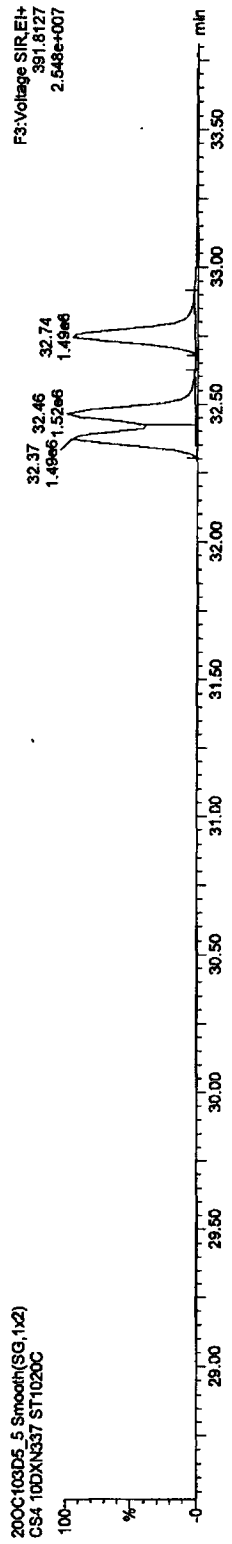
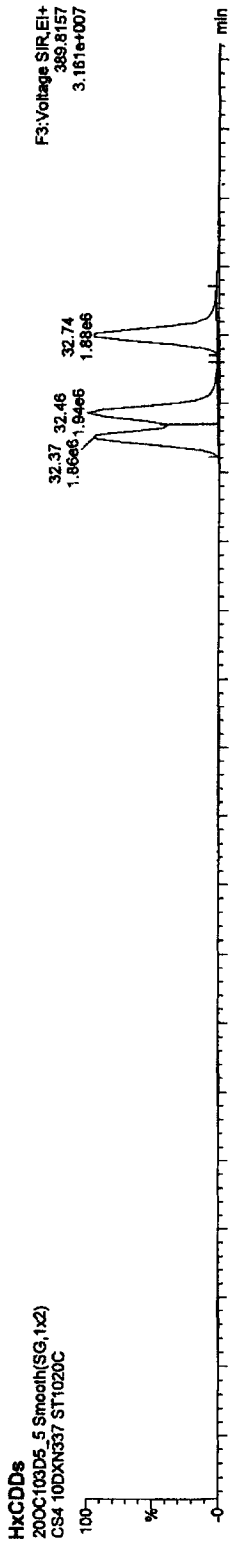
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

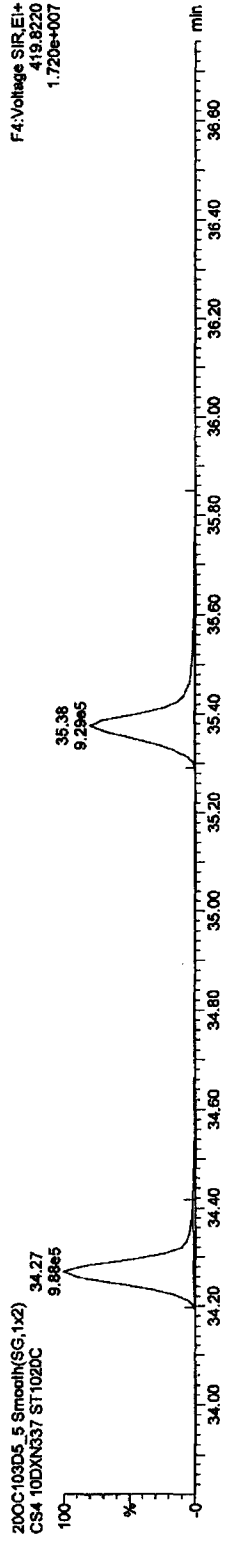
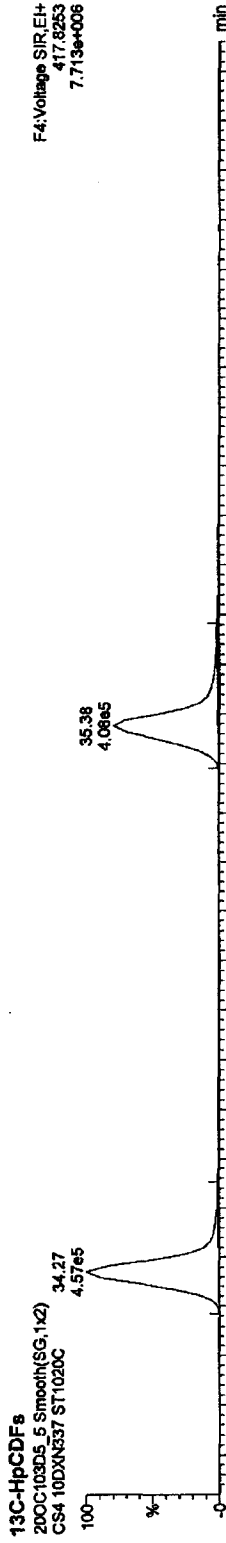
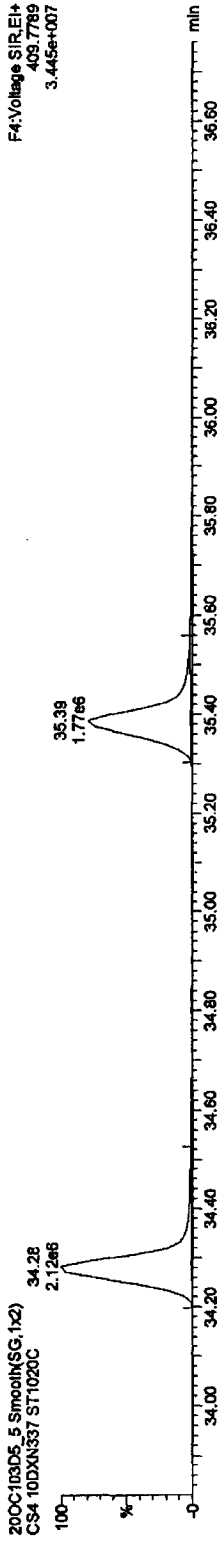
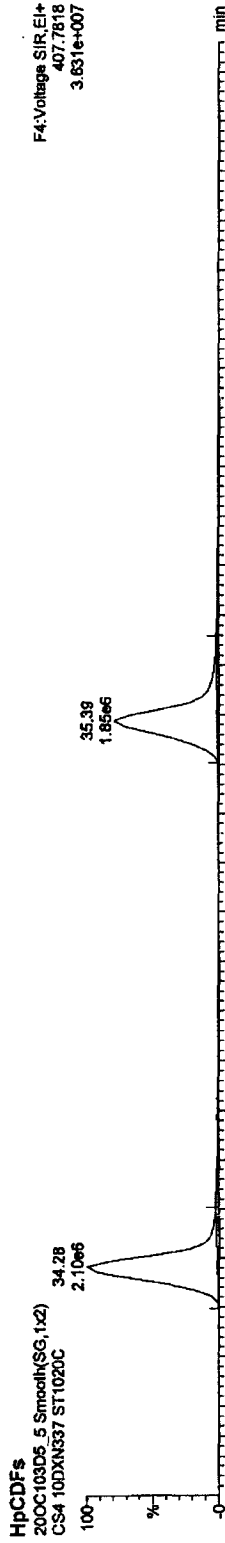


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROUCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

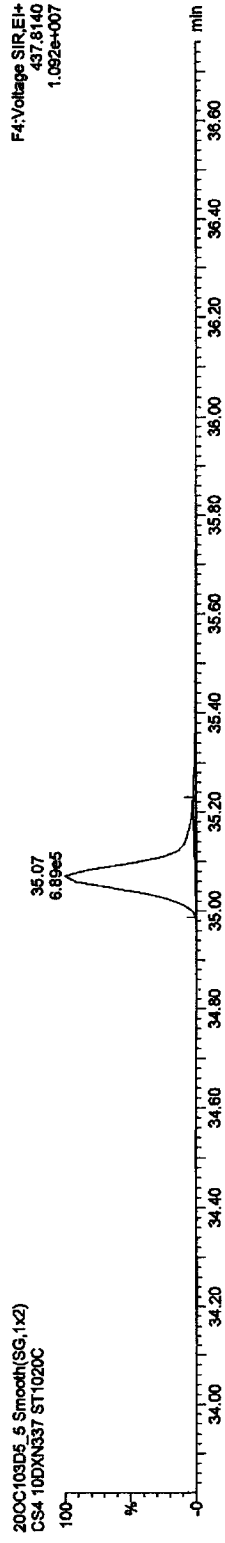
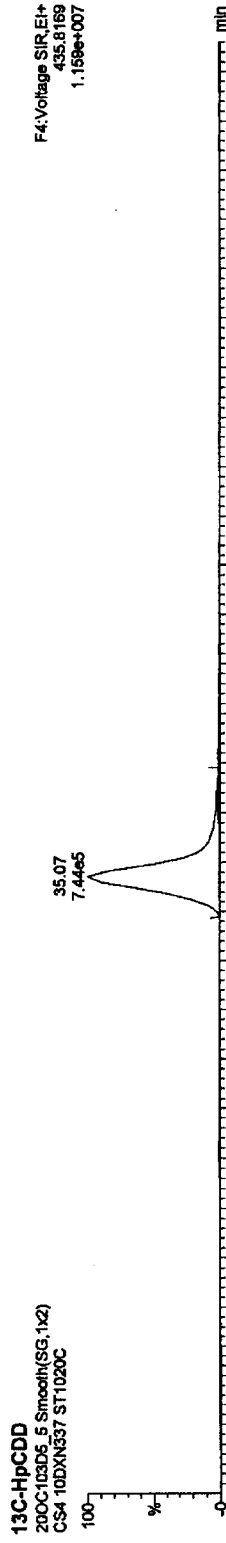
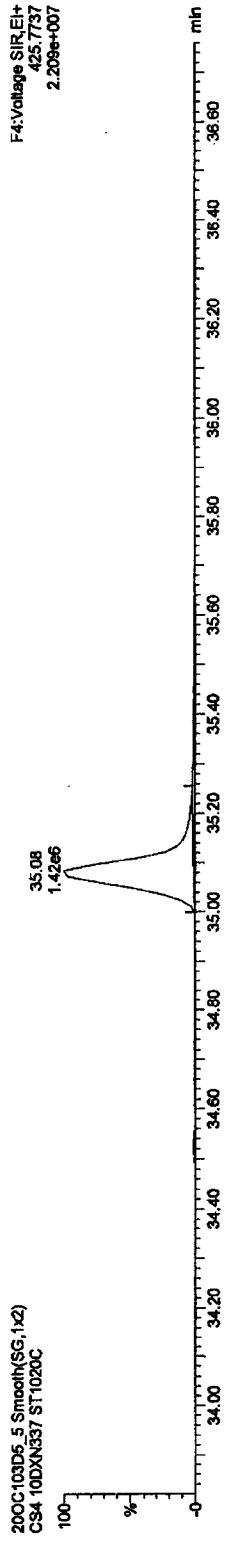
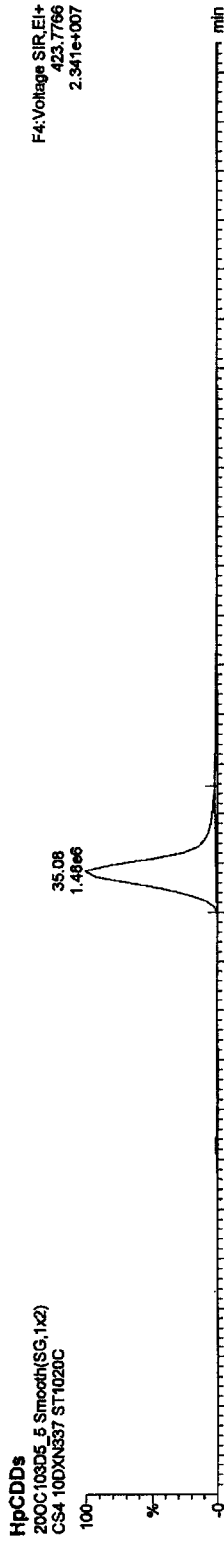


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

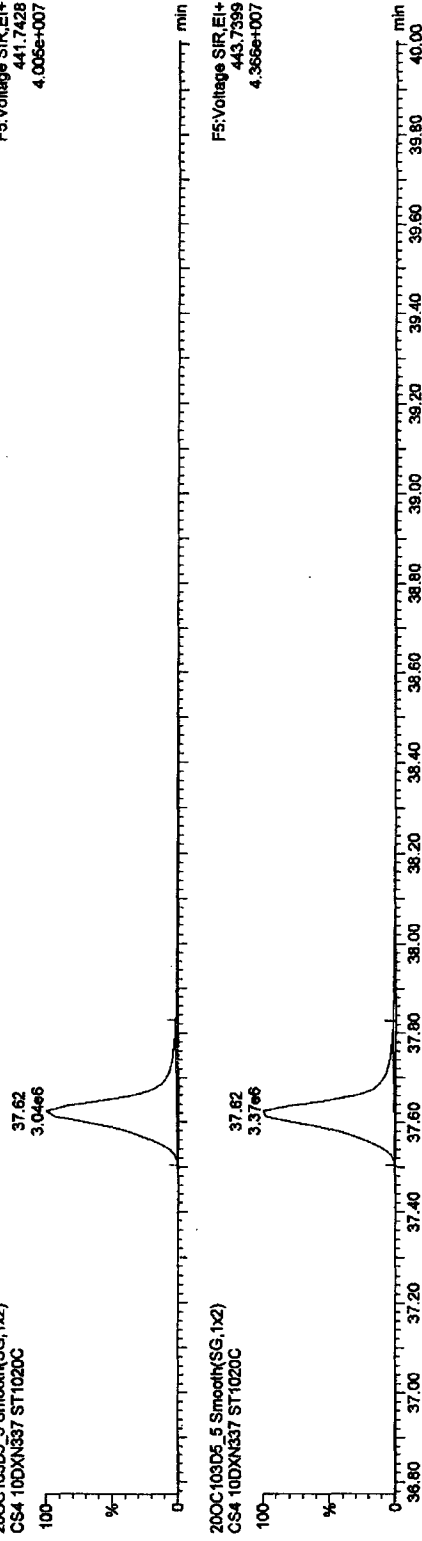
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

OCDFs

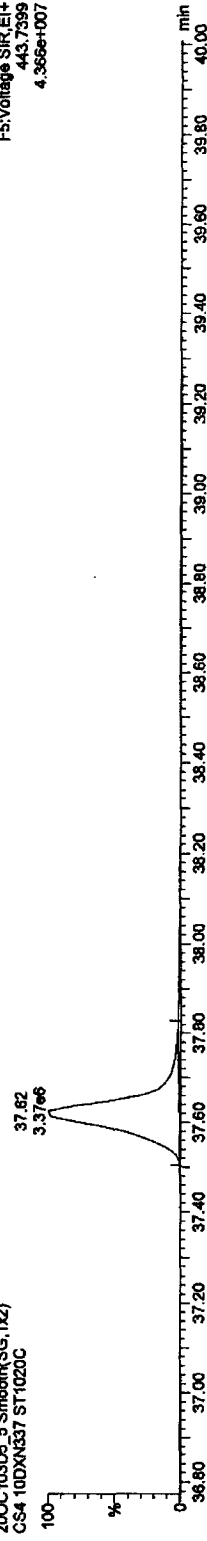
20OC103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

F5:Voltage SIR,EI+
441.7428
4.006e+007



20OC103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

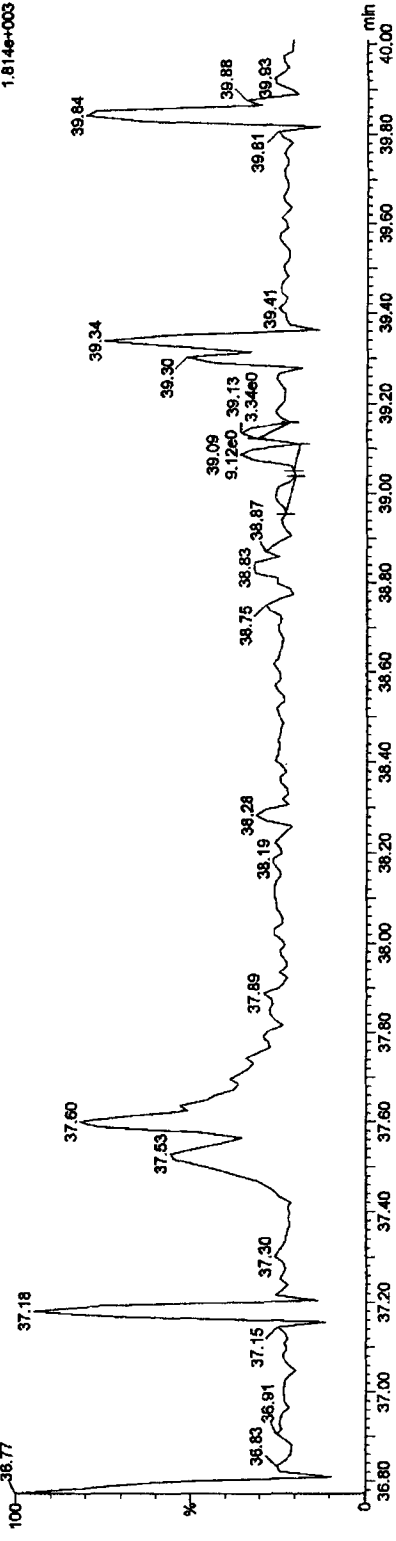
F5:Voltage SIR,EI+
443.7399
4.366e+007



OCDF PCDPE

20OC103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

F5:Voltage SIR,EI+
513.6750
1.814e+003



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

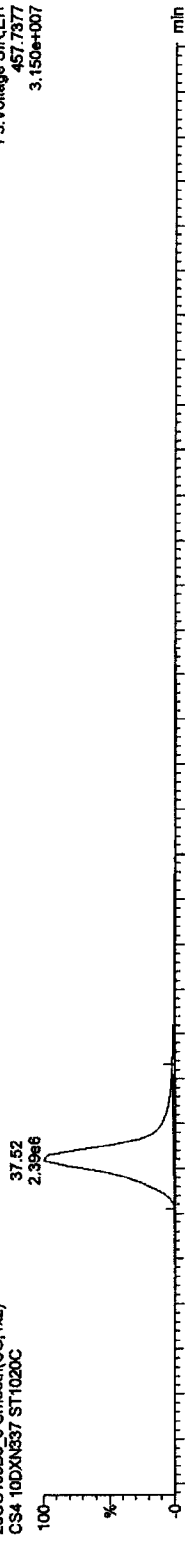
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

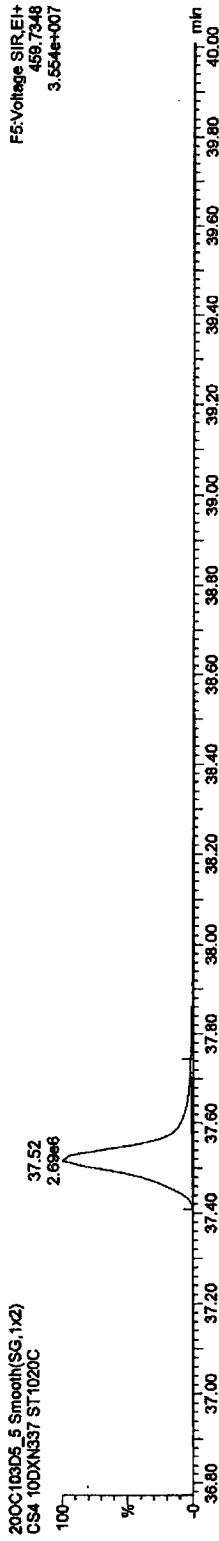
Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

OCDD

20OC103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

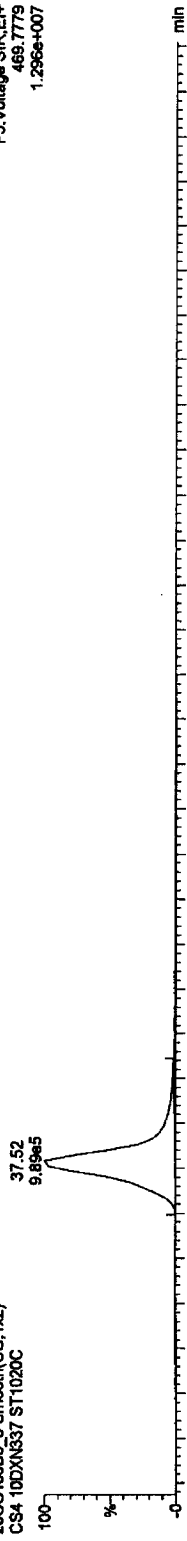


20OC103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C

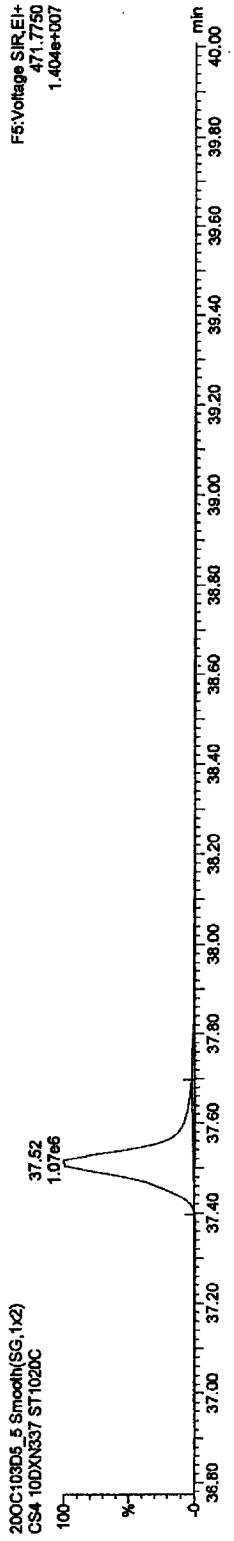


13C-OCDD

20OC103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



20OC103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



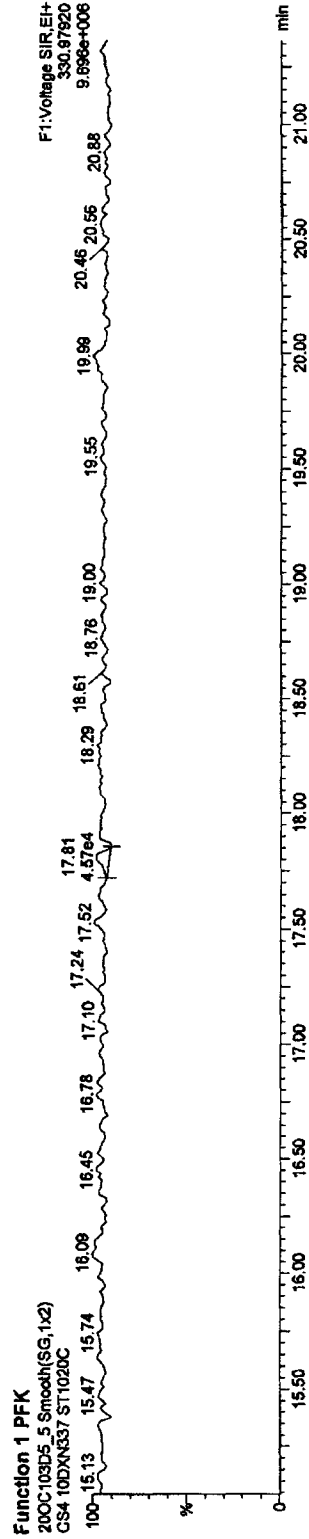
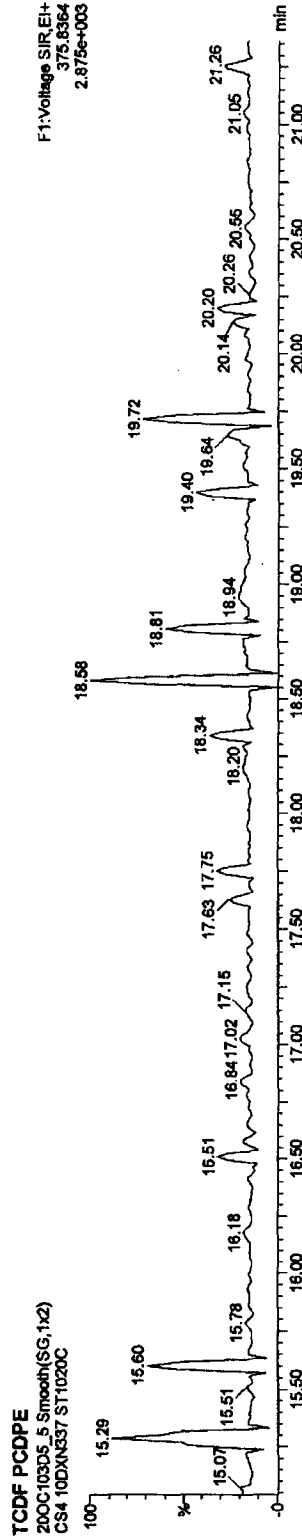
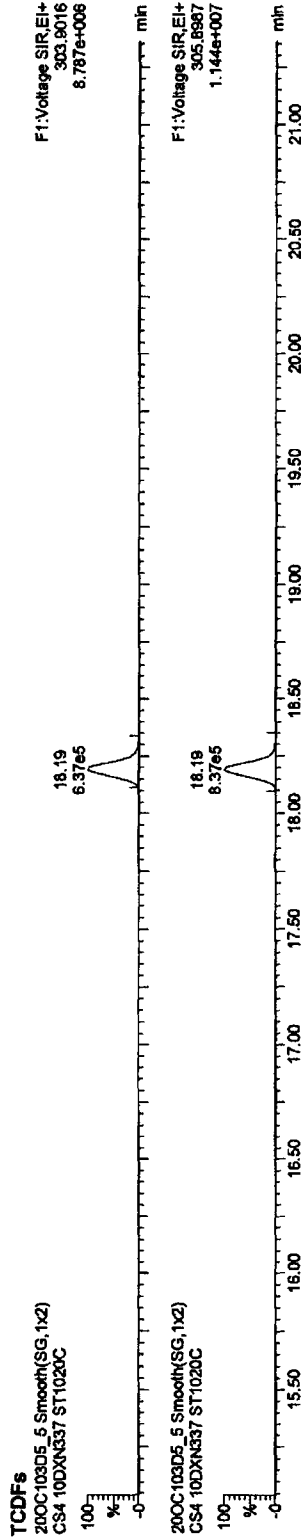
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010\PRONCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337



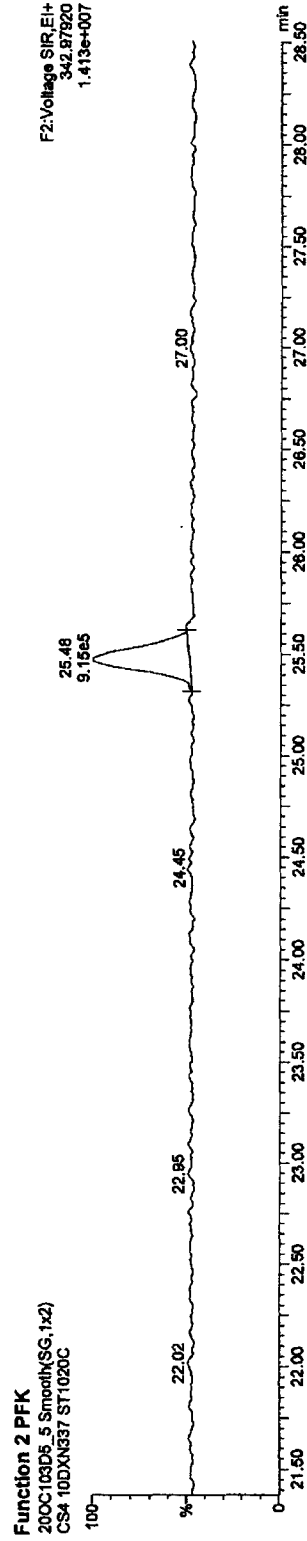
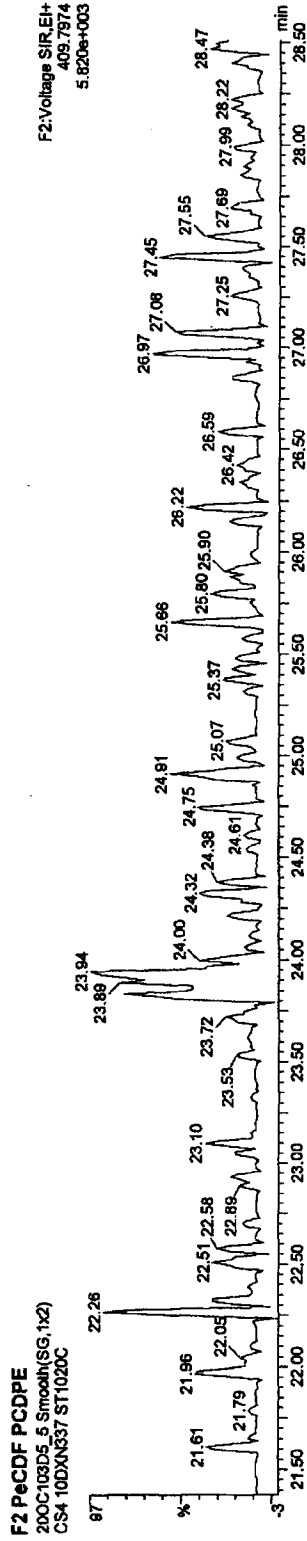
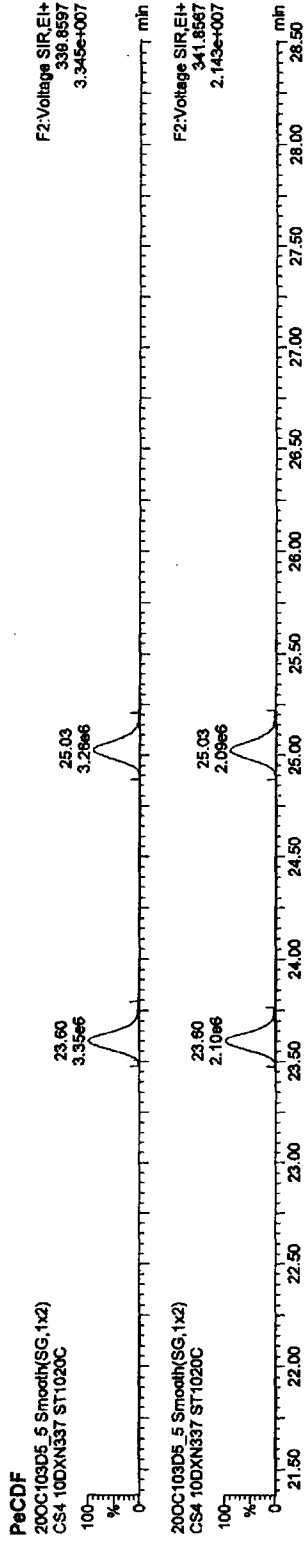
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

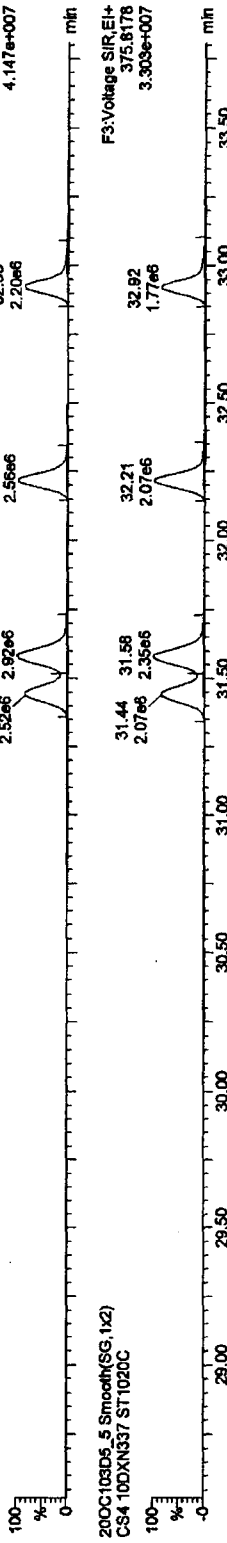
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

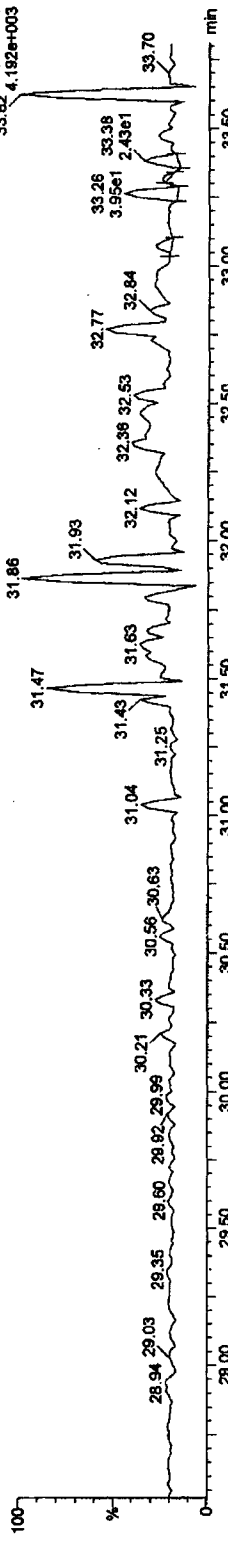
HxCDFs

200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



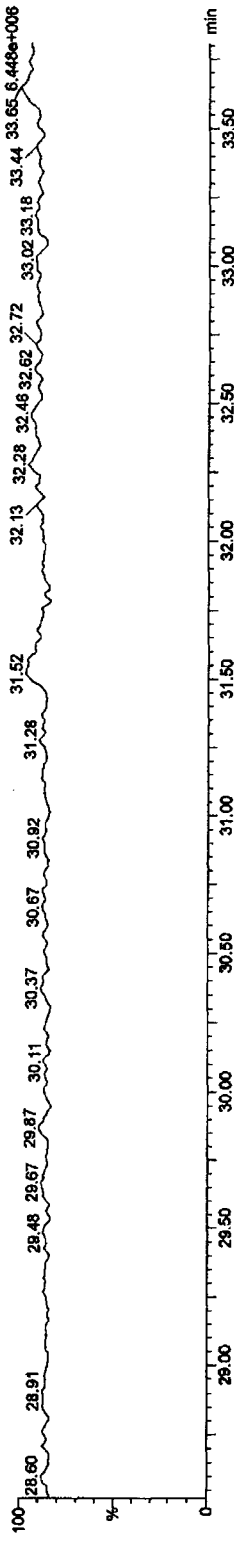
HxCDF PCDFE

200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



Function 3 PFK

200C103D5_5 Smooth(SG,1x2)
CS4 10DXN337 ST1020C



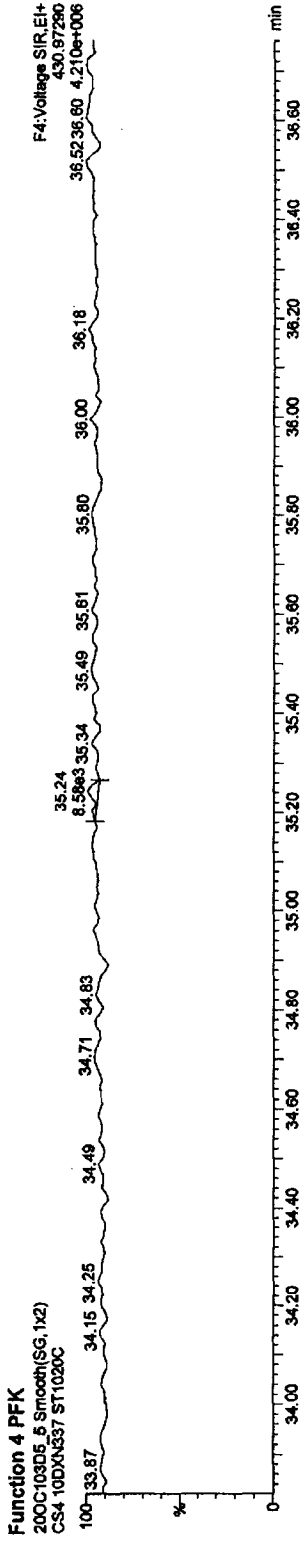
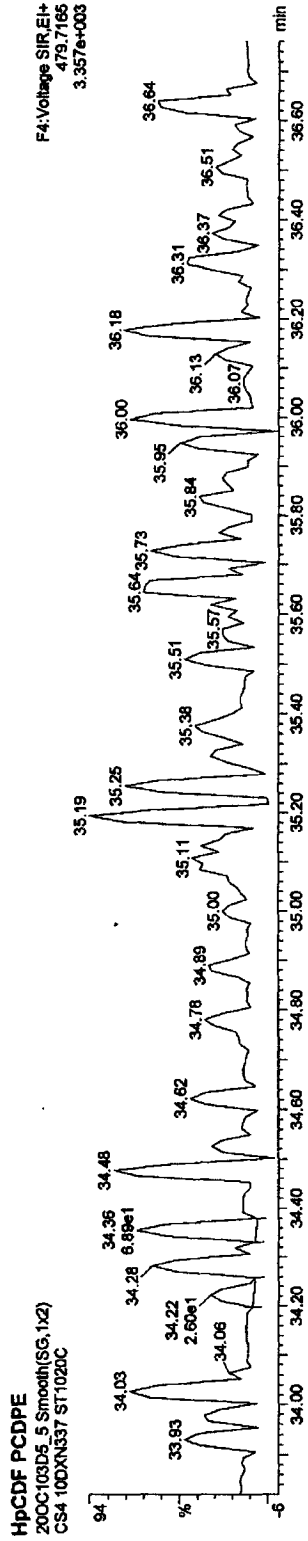
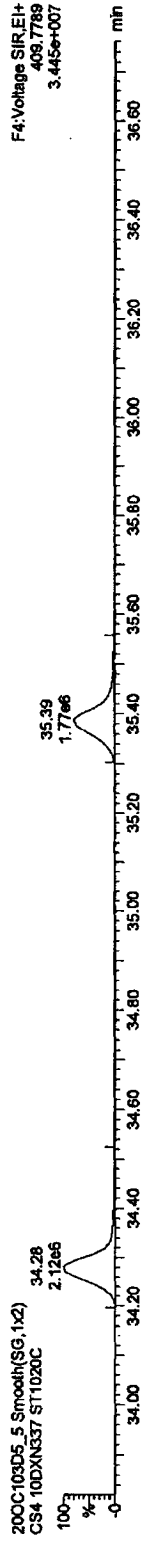
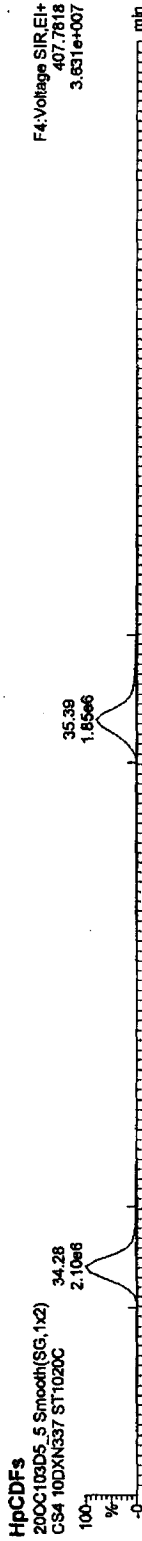
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\CA1020103D51613.qid

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

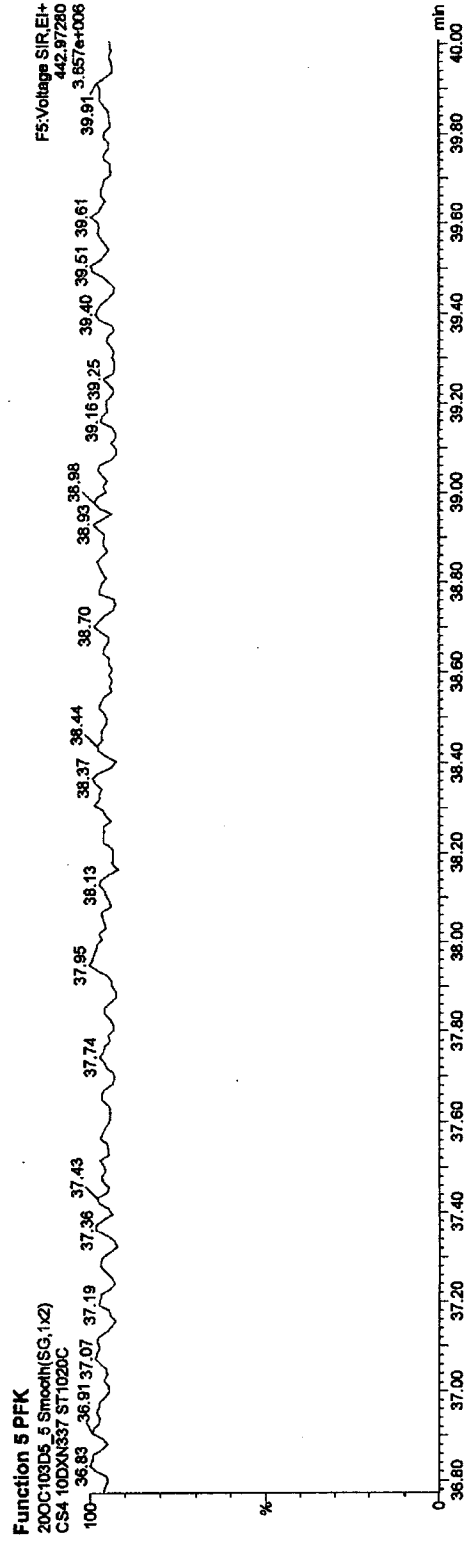
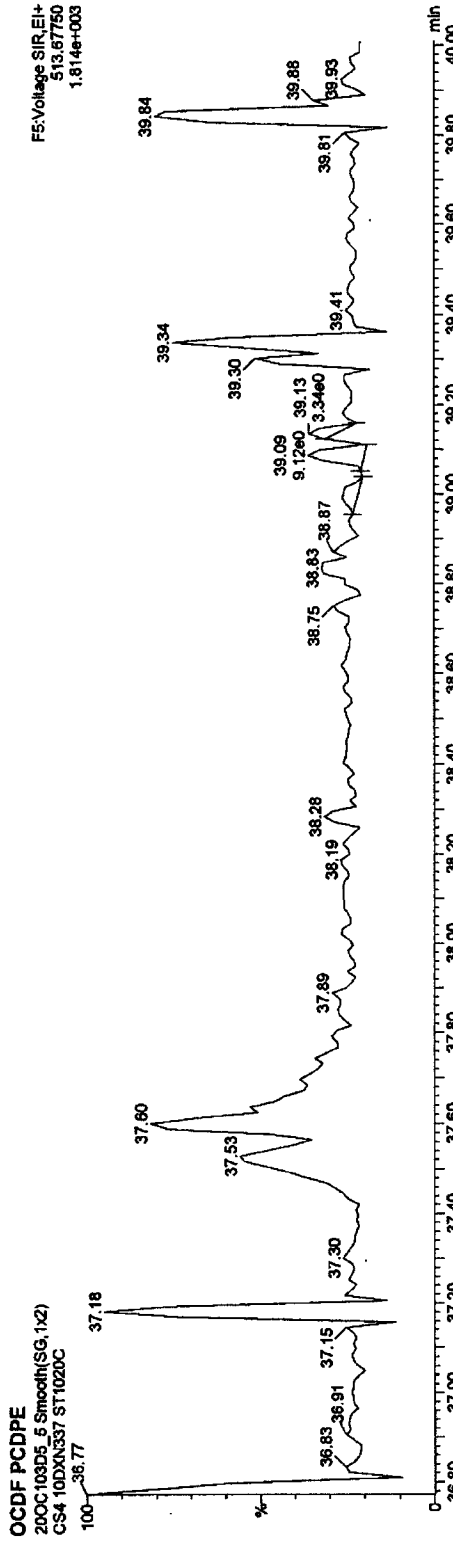


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

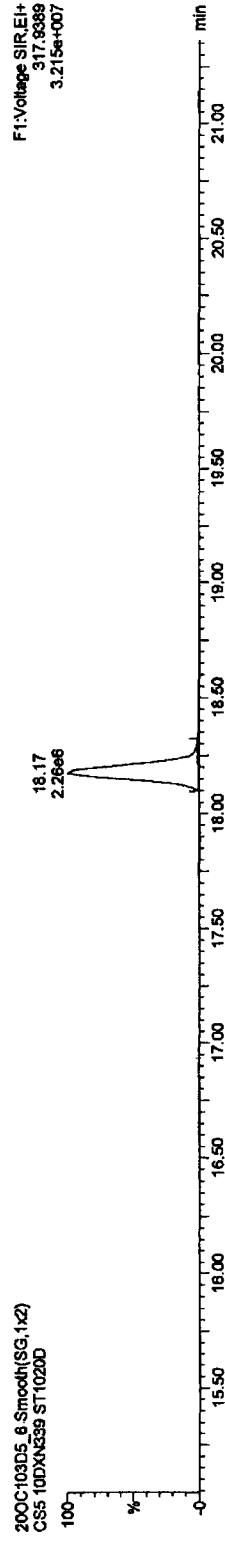
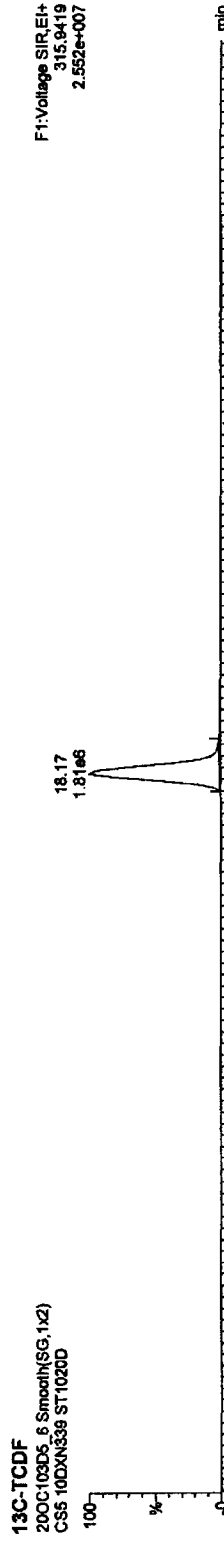
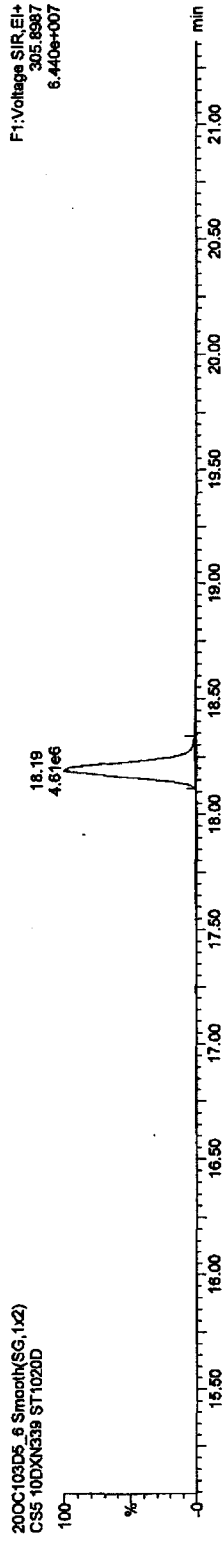
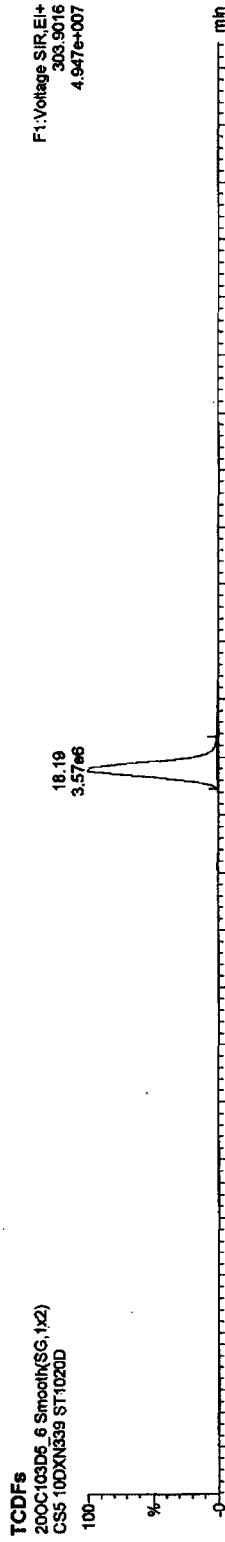


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

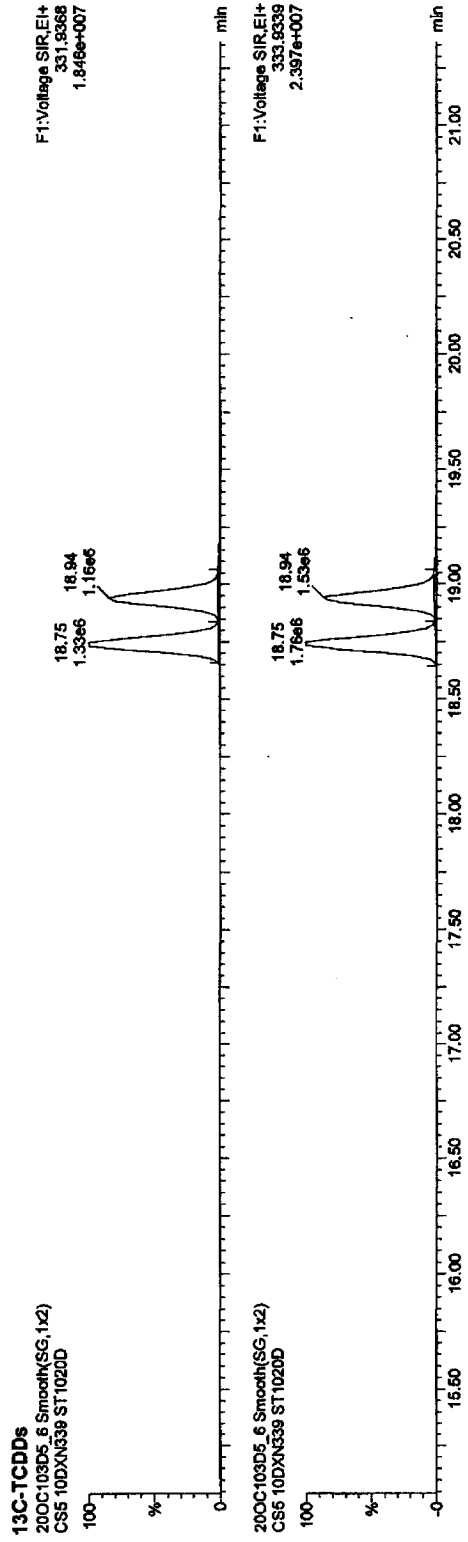
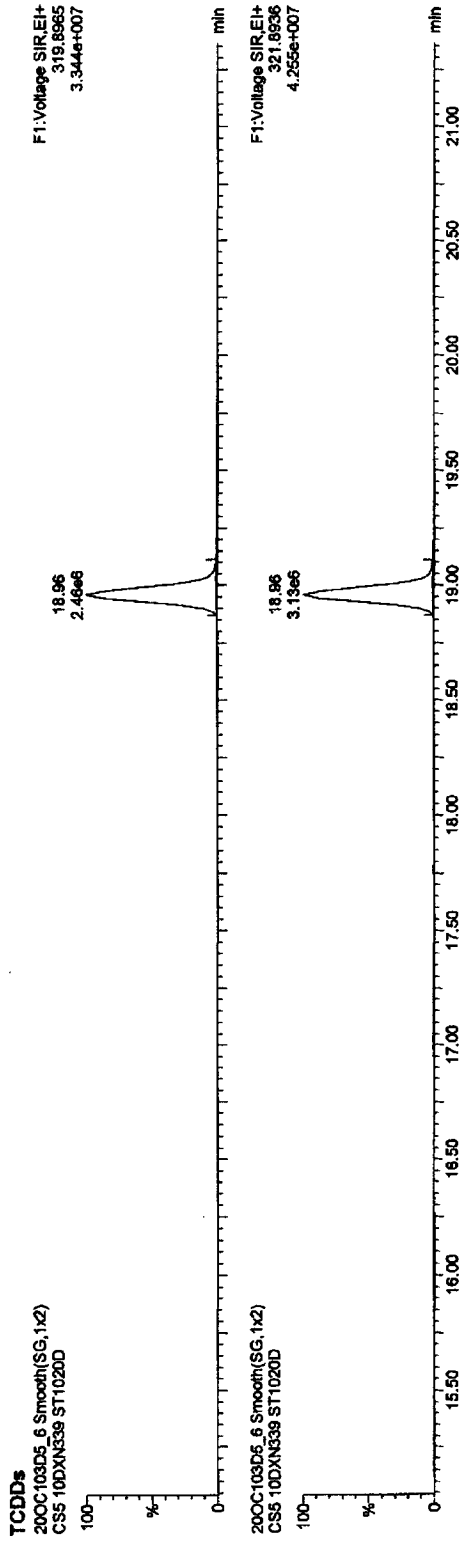
Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CSS 10DXN339



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\CA1020103D51613.qld

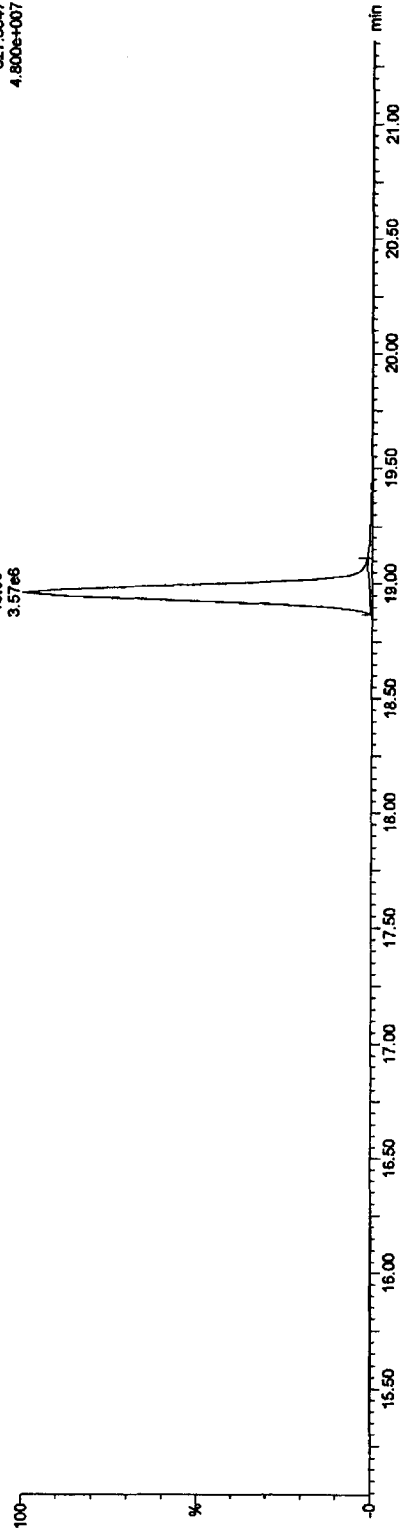
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

37CL-2,3,7,8-TCDD
20OC103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

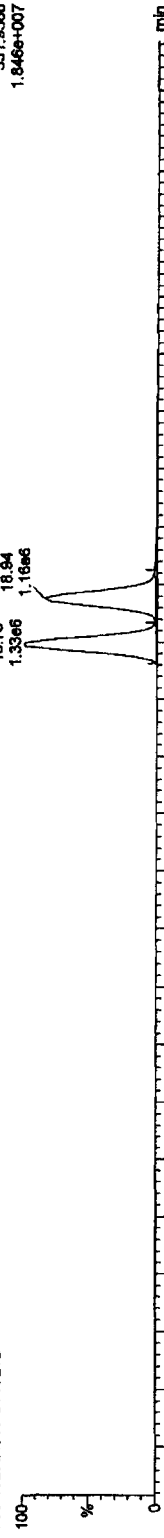
F1:Voltage SIR,EI+
327.8847
4.800e+007



13C-TCDDs
20OC103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

F1:Voltage SIR,EI+
331.9368
1.846e+007

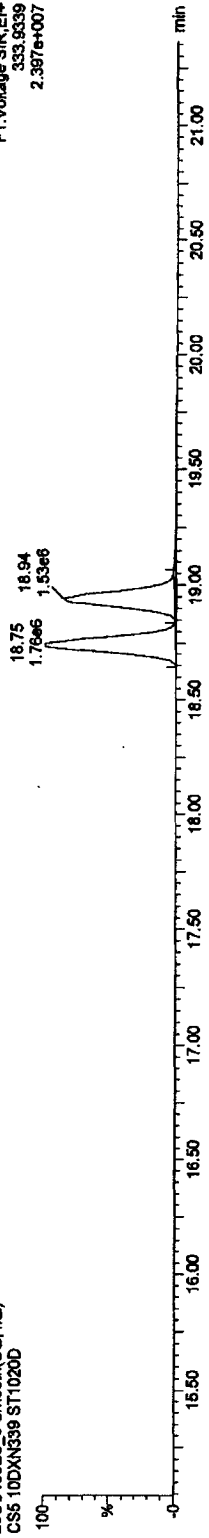
18.75 18.94
1.33e6 1.18e6



20OC103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

F1:Voltage SIR,EI+
333.9339
2.397e+007

18.75 18.94
1.76e6 1.53e6



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PROVICA1020103D51613.qld

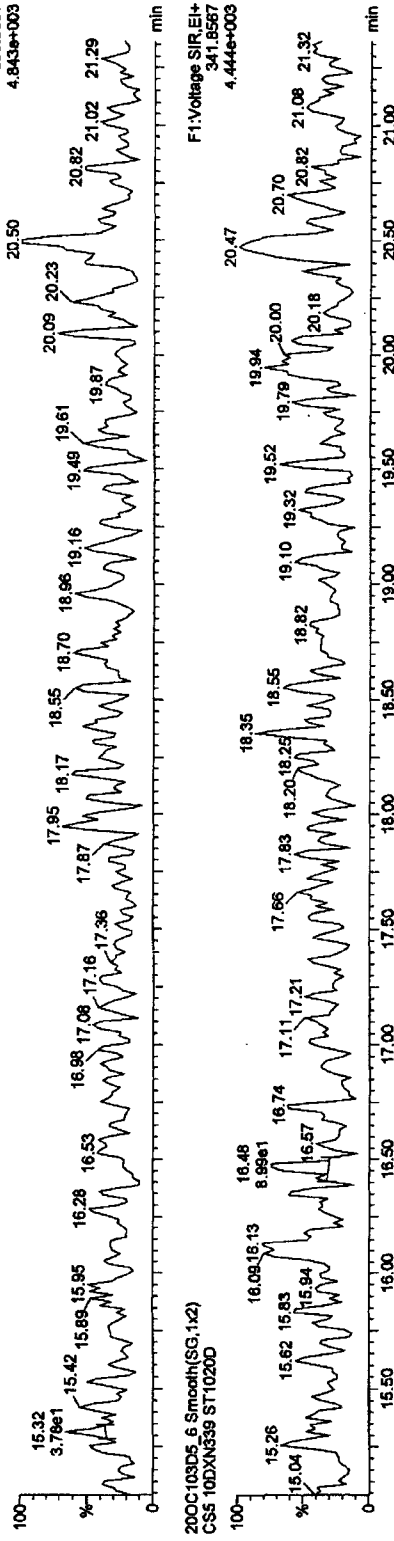
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CSS 10DXN339

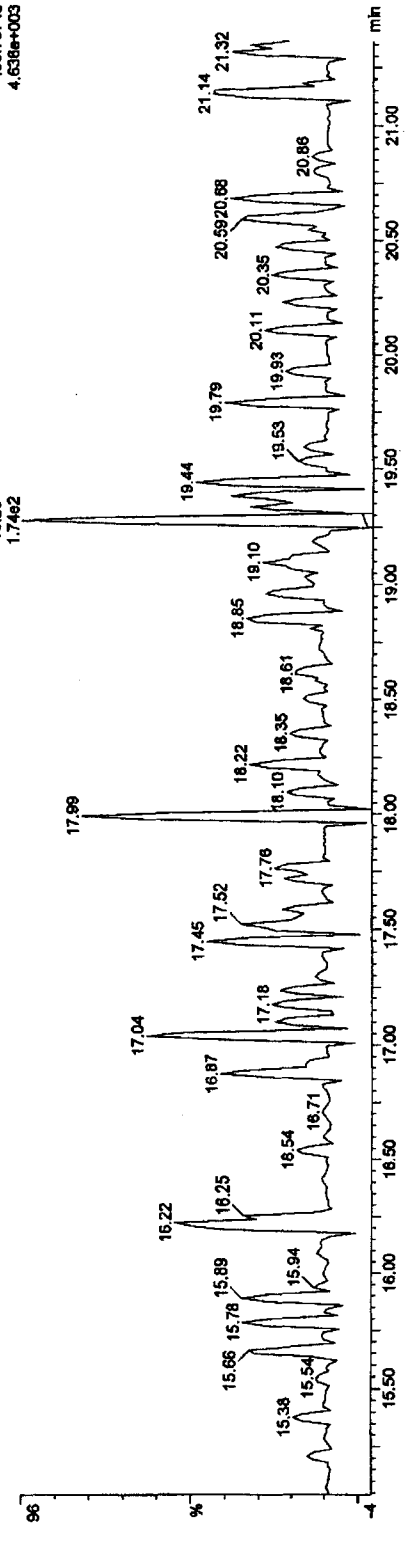
F1 PeCDFs

200C103D5_6 Smooth(SG,1x2)
CSS 10DXN339 ST1020D



F1 PeCDF PCDPE

200C103D5_6 Smooth(SG,1x2)
CSS 10DXN339 ST1020D



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

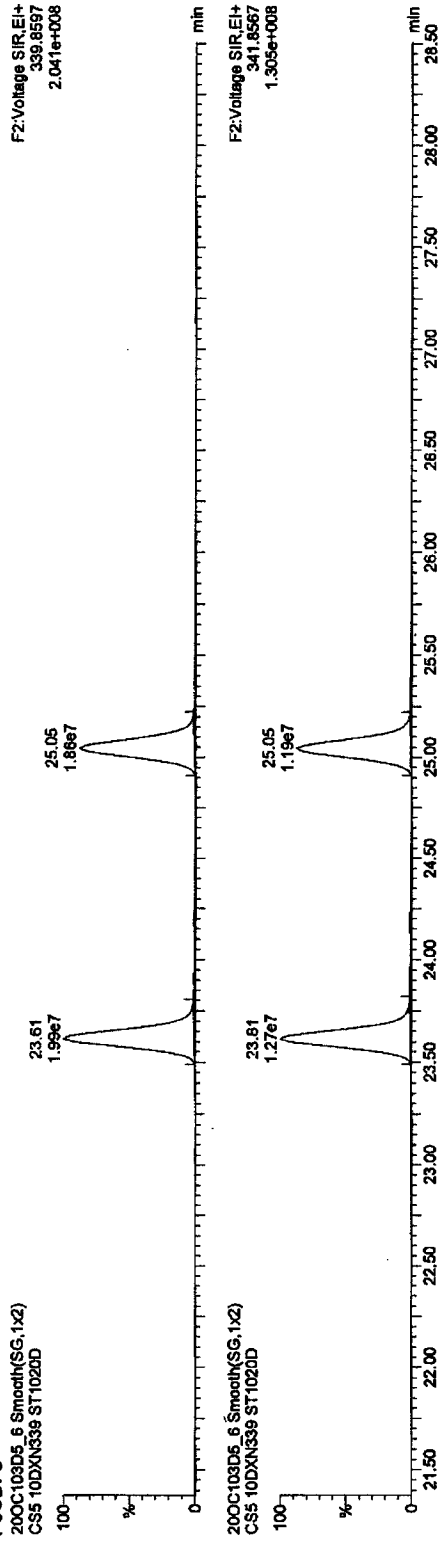
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

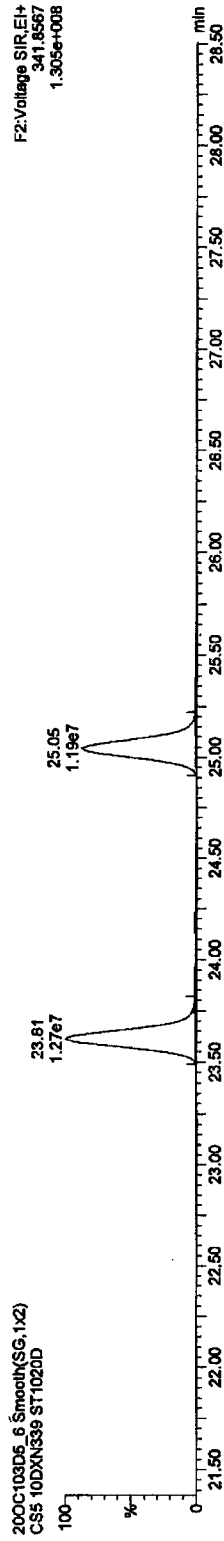
Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

PeCDFs

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

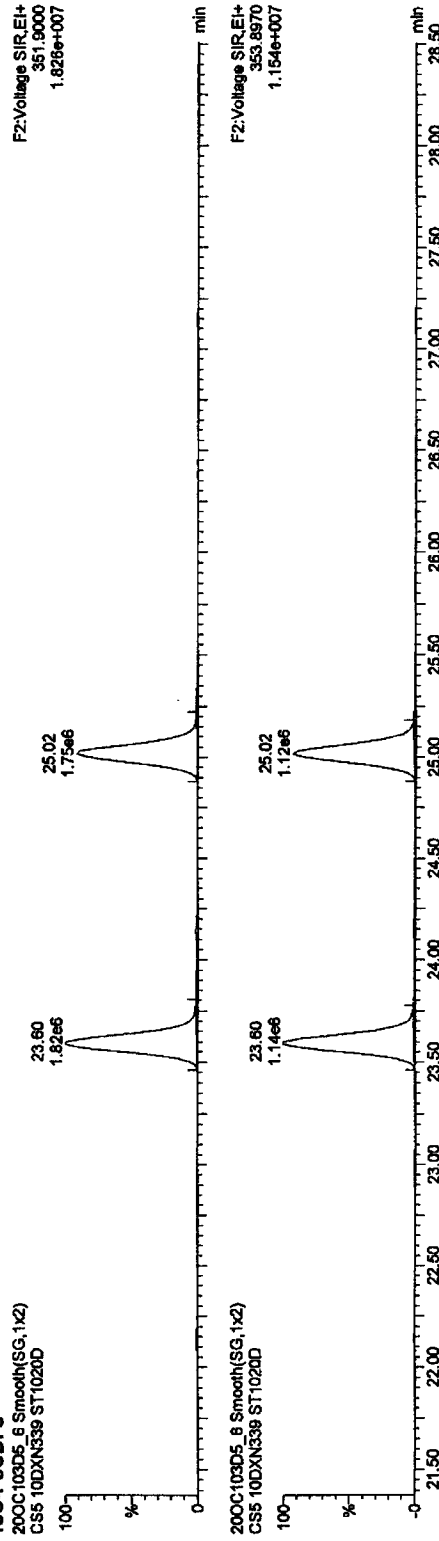


200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

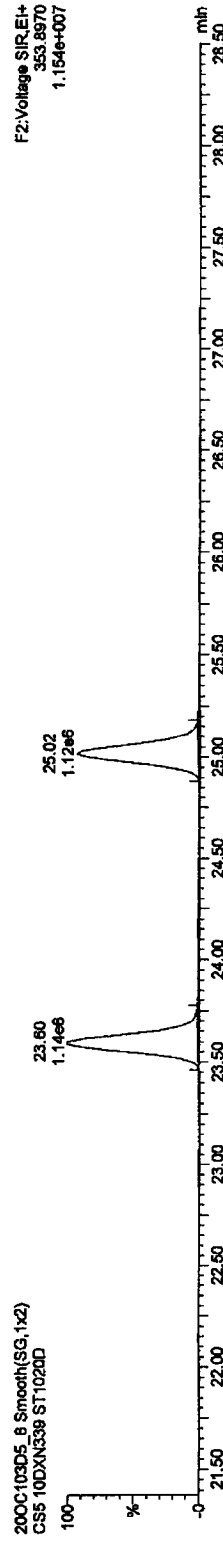


13C-PeCDFs

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



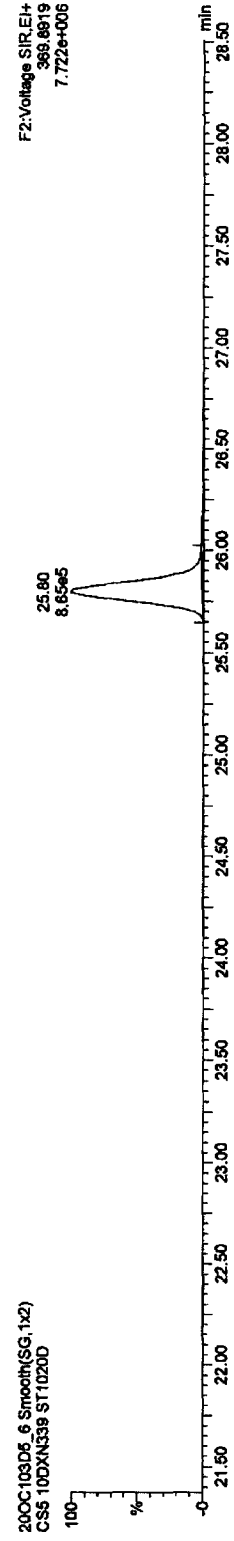
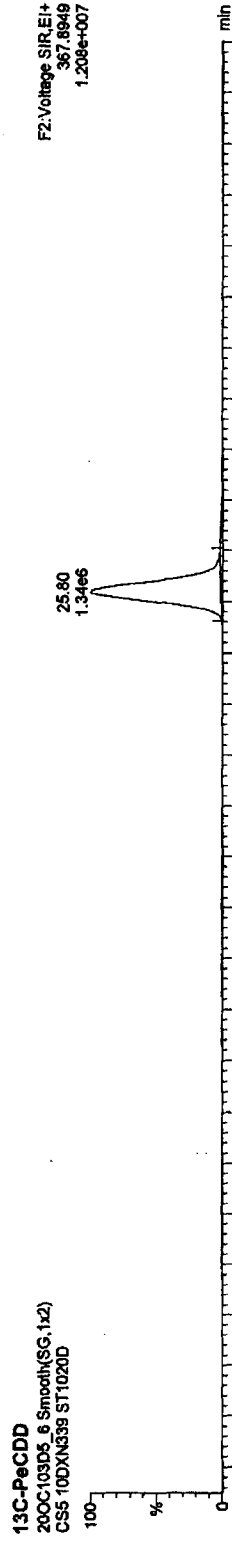
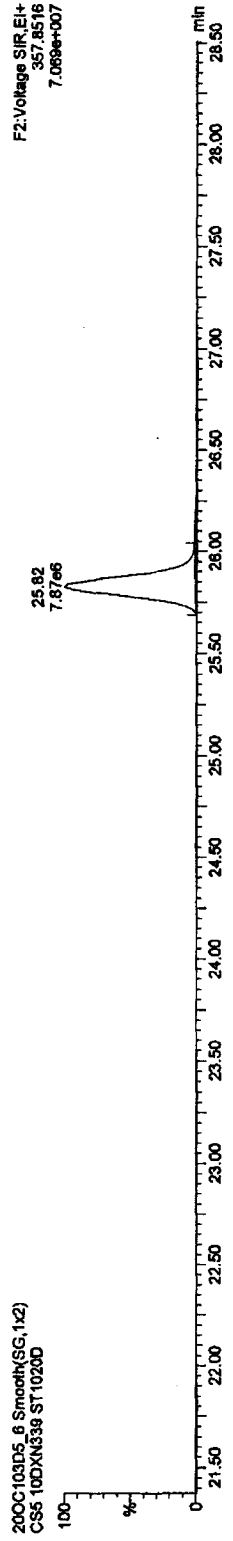
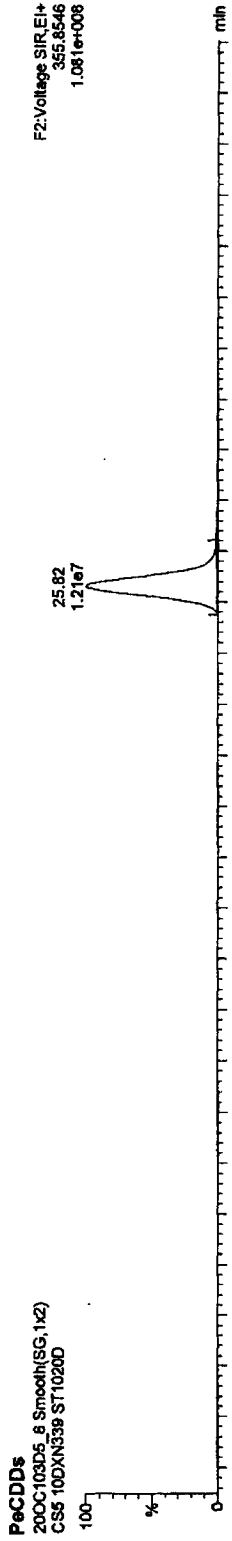
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



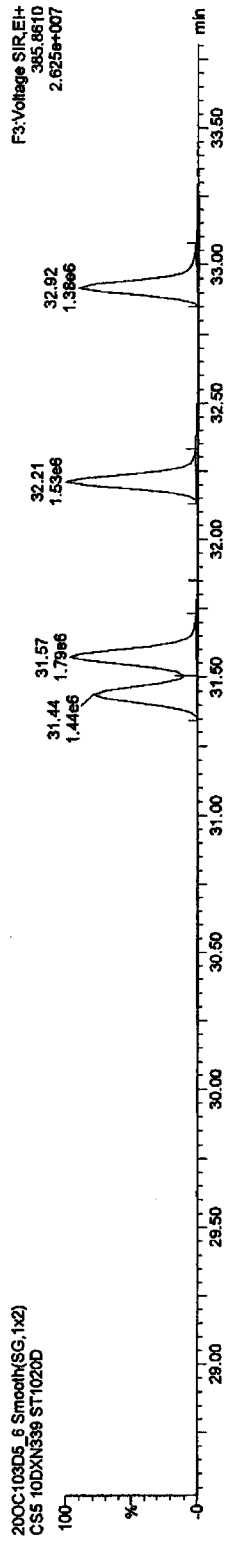
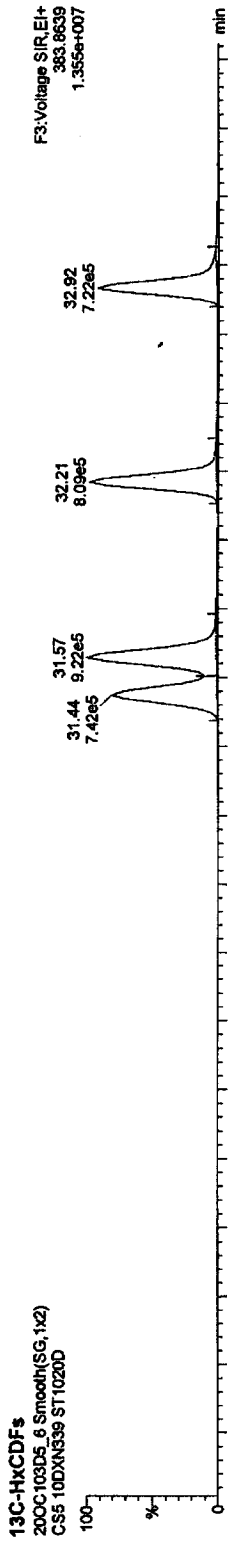
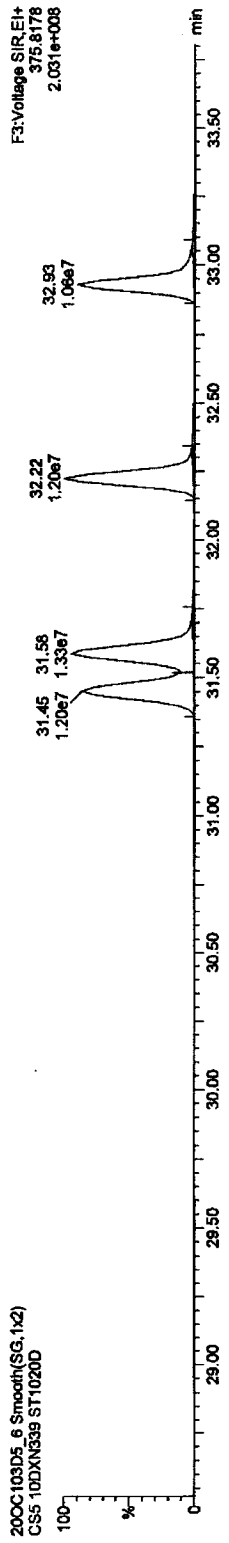
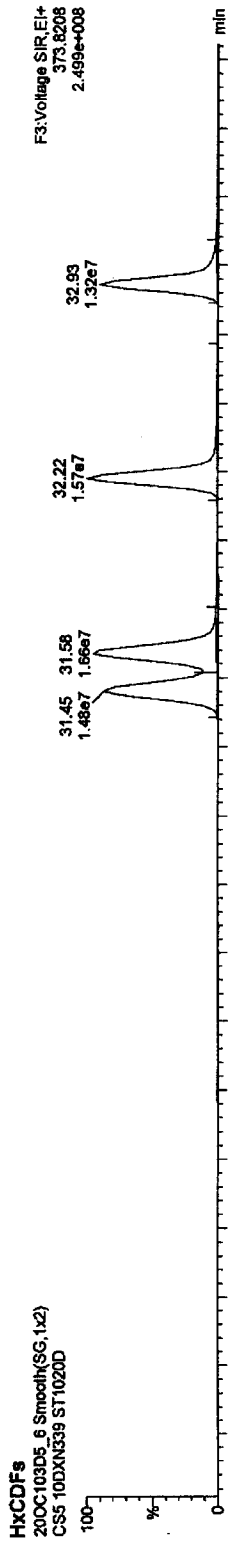
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\CA1020103D51613.qld

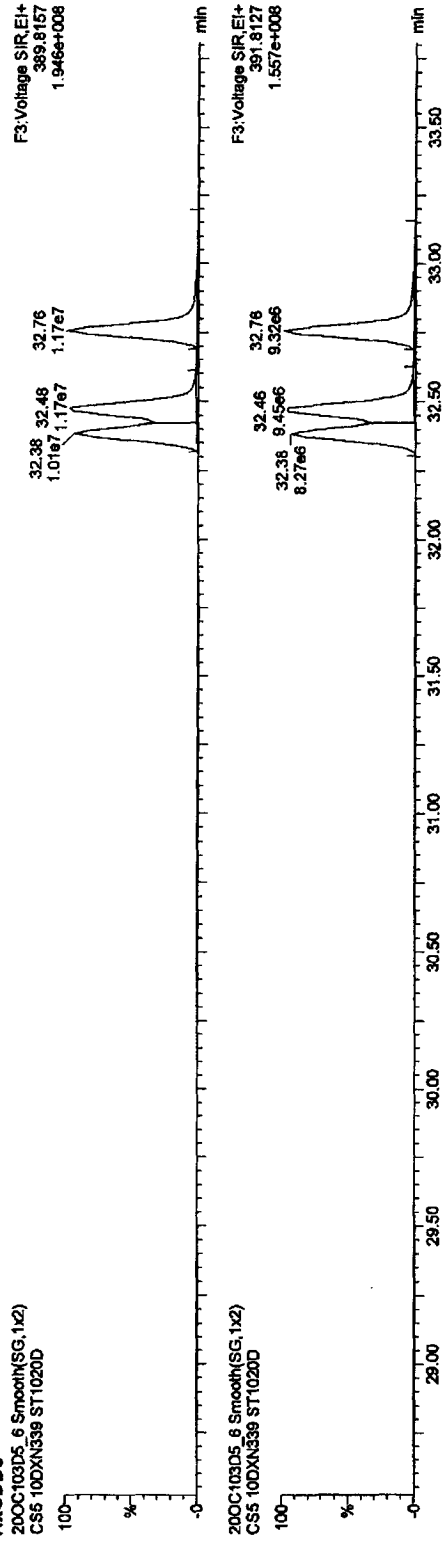
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

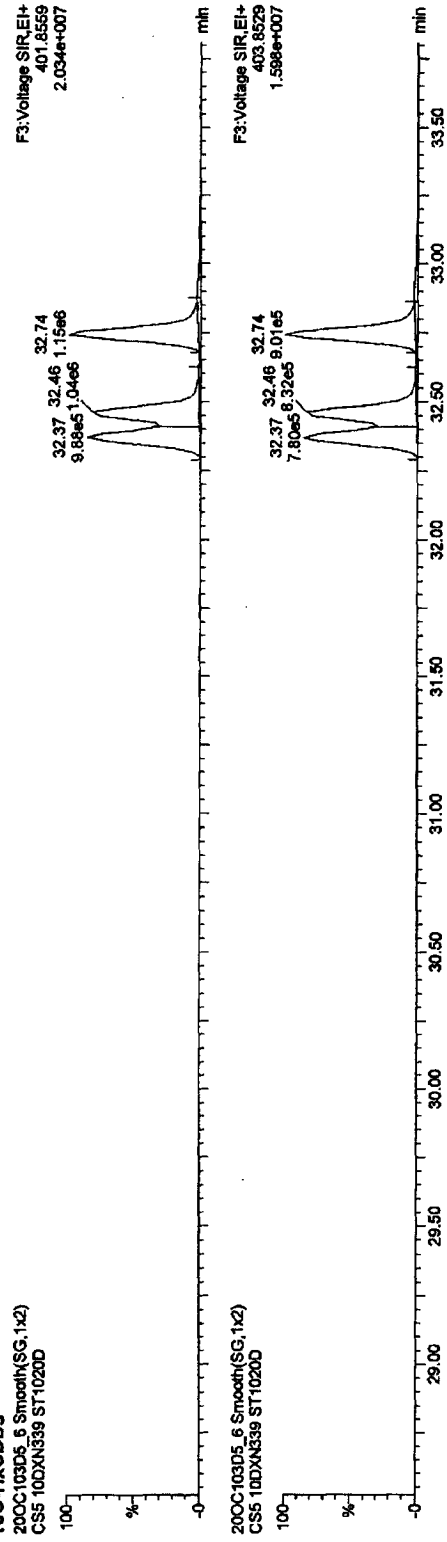
HxCDDs

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



13C-HxCDDs

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

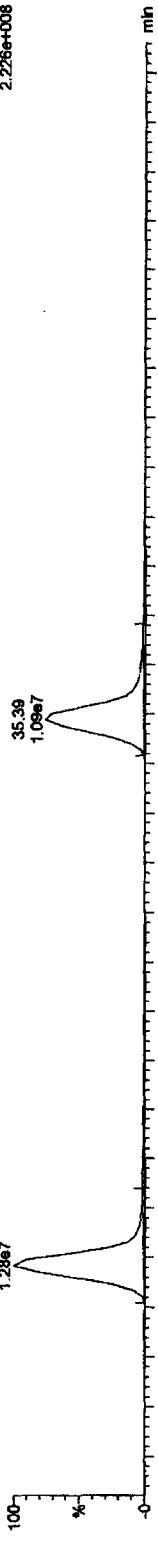
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

HpCDFs

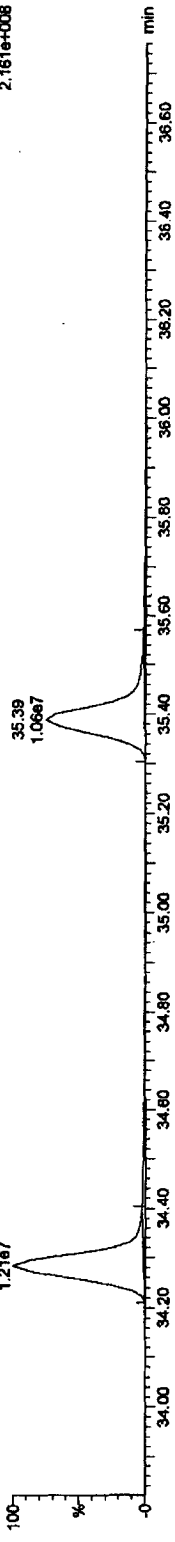
200C103D5_6 Smooth(SG,1x2)

CS5 10DXN339 ST1020D



200C103D5_6 Smooth(SG,1x2)

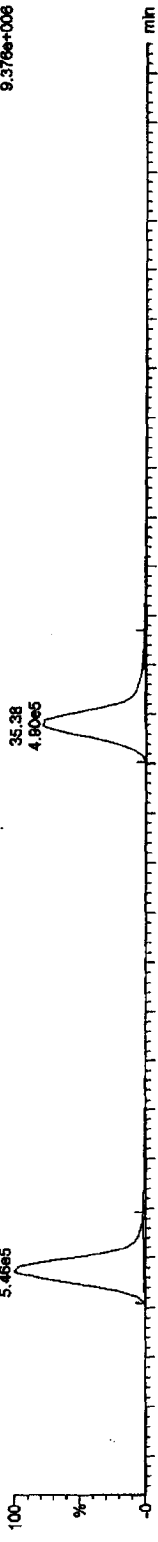
CS5 10DXN339 ST1020D



13C-HpCDFs

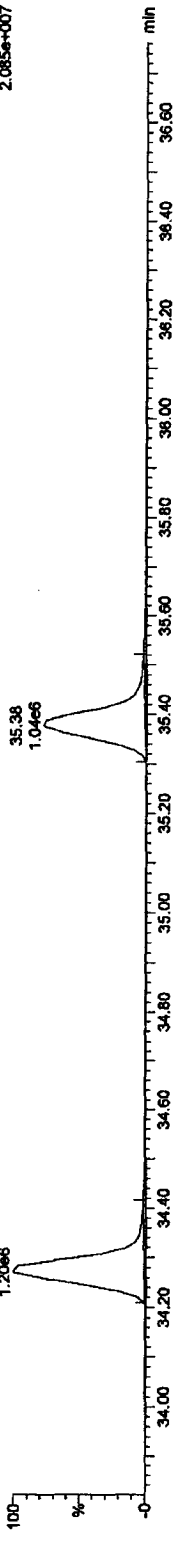
200C103D5_6 Smooth(SG,1x2)

CS5 10DXN339 ST1020D



200C103D5_6 Smooth(SG,1x2)

CS5 10DXN339 ST1020D



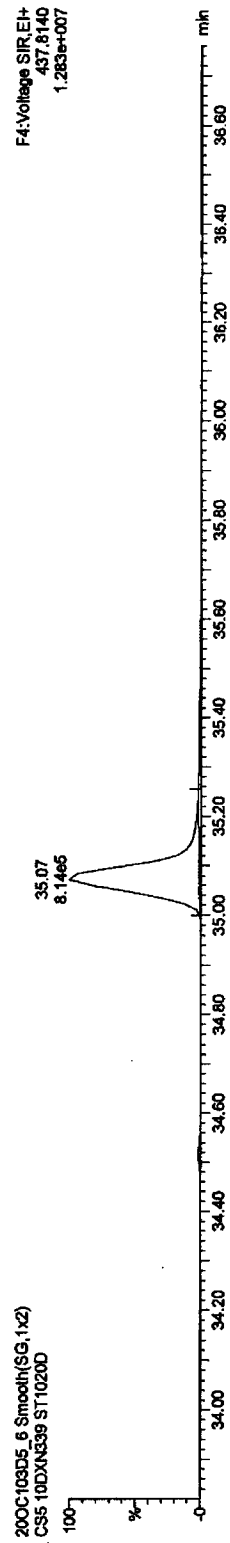
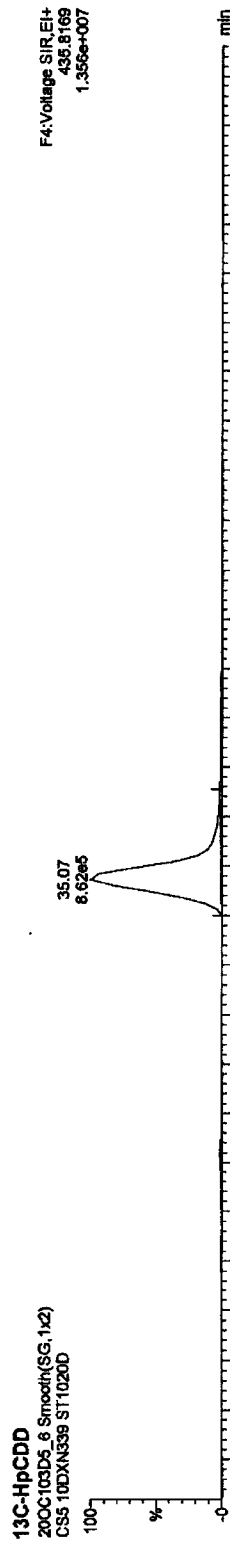
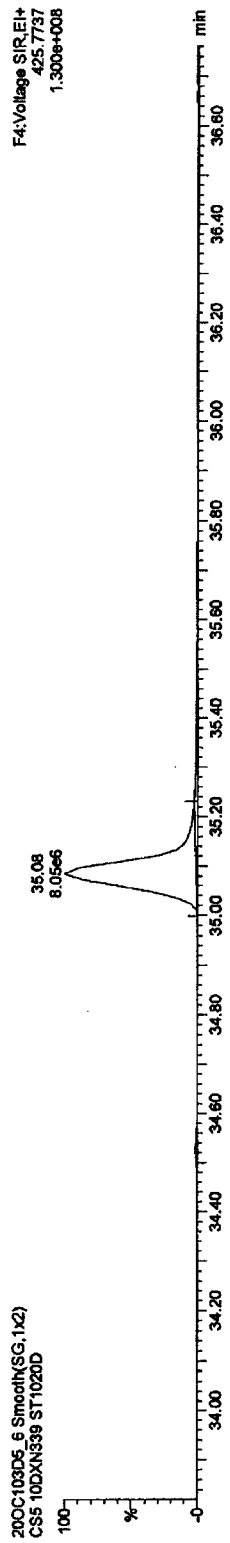
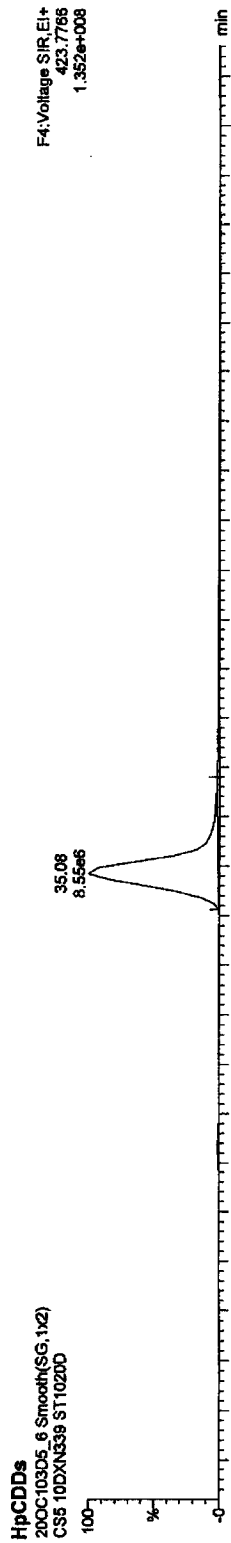
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



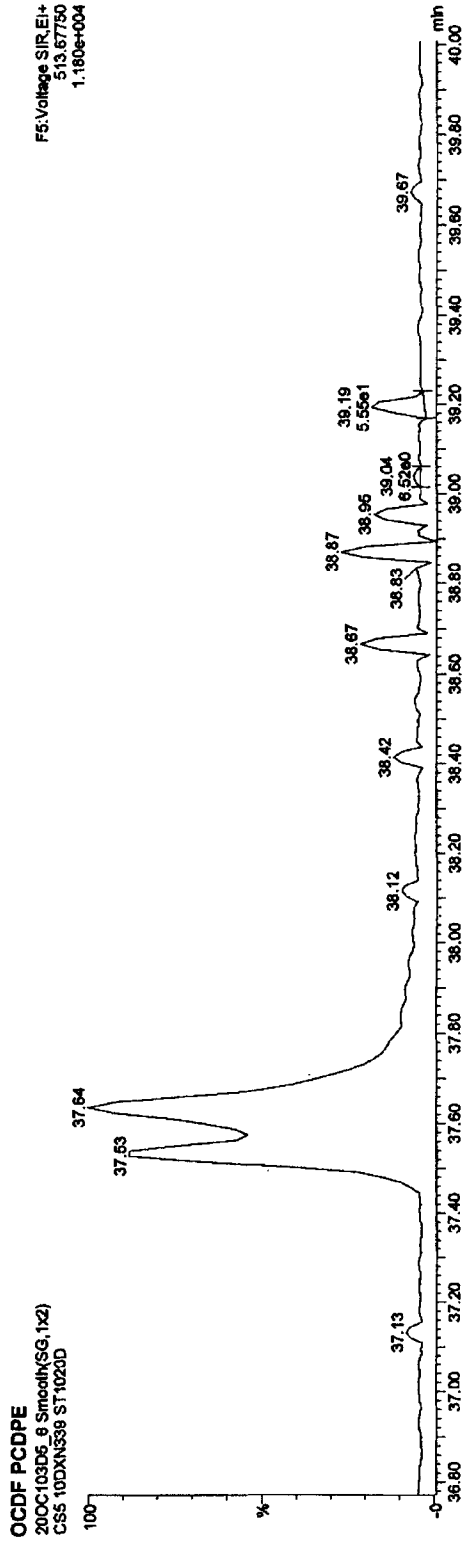
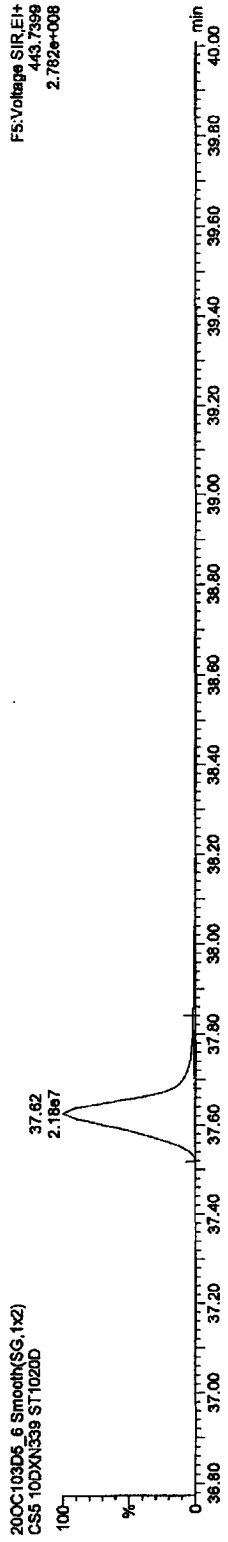
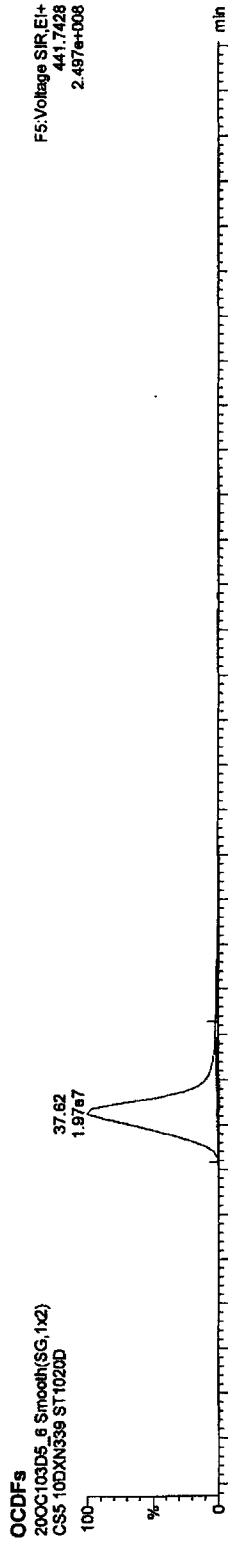
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\CA102D103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

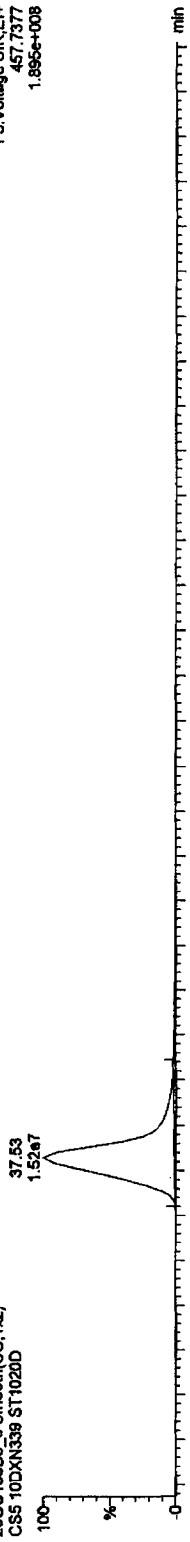
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

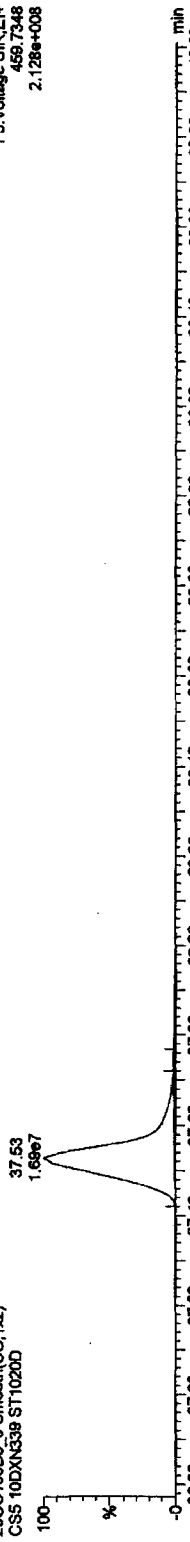
Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

OCDD

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

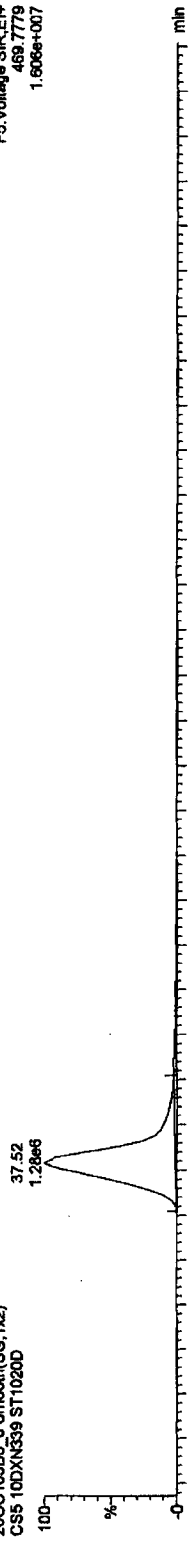


200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

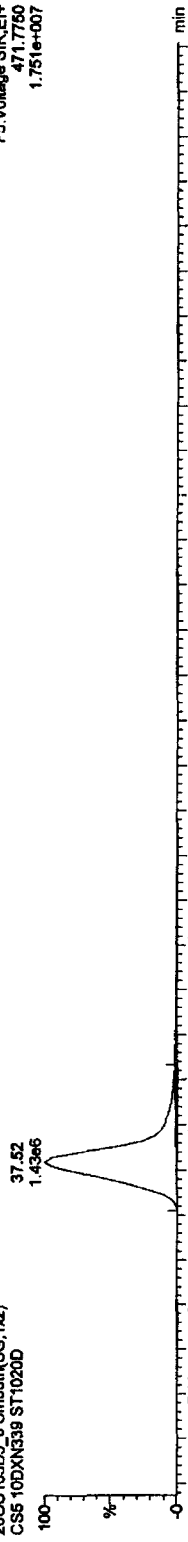


13C-OCDD

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

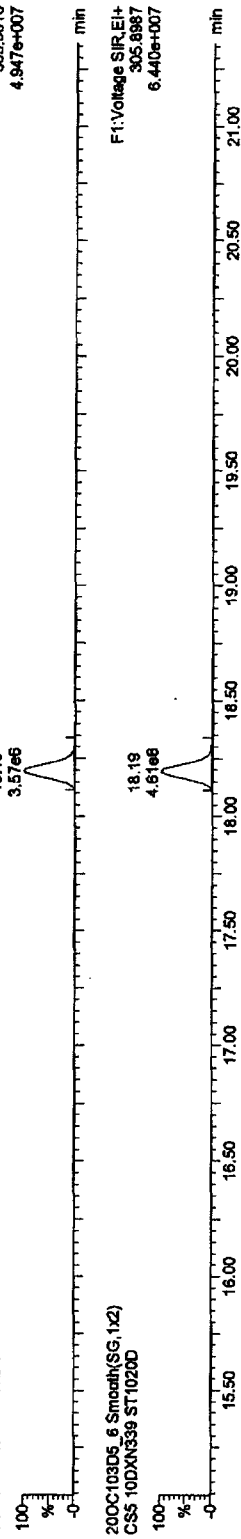
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

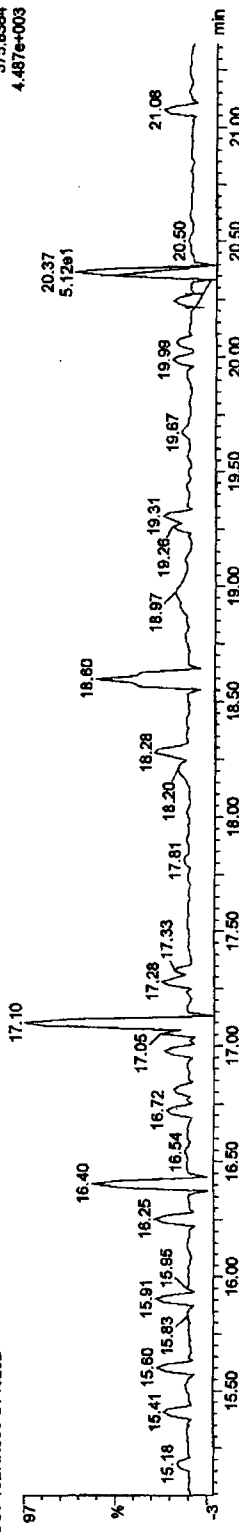
TCDFs

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



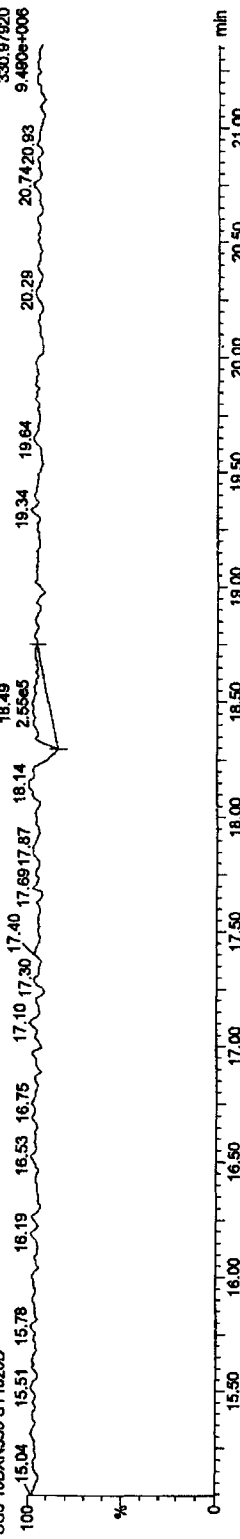
TCDF PCDPE

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D



Function 1 PFK

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

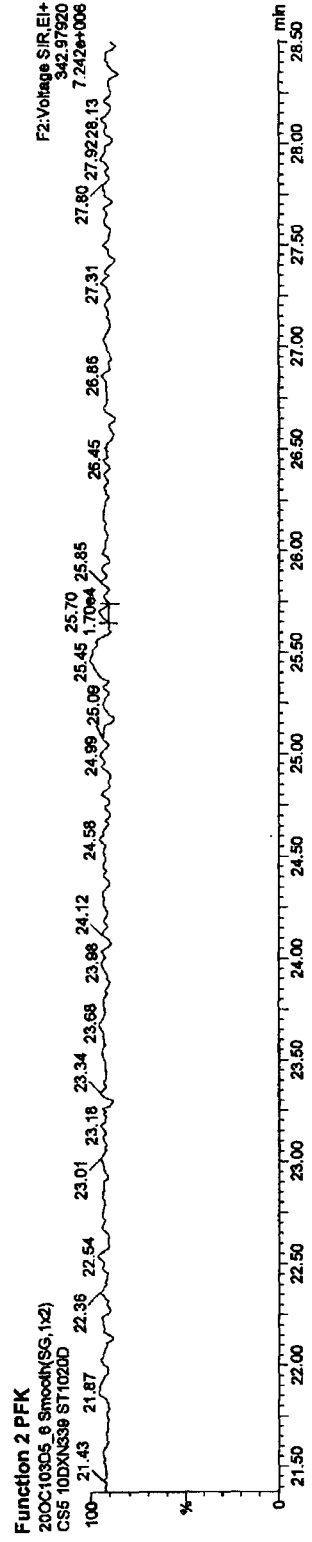
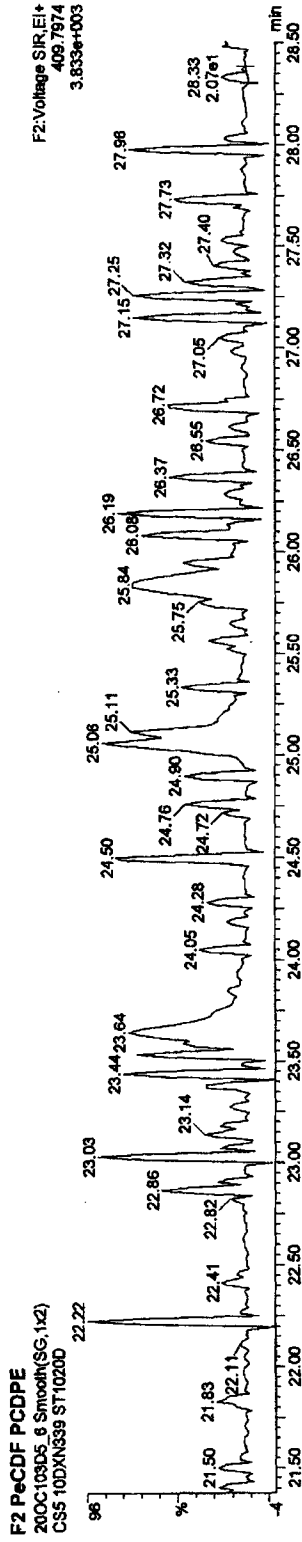
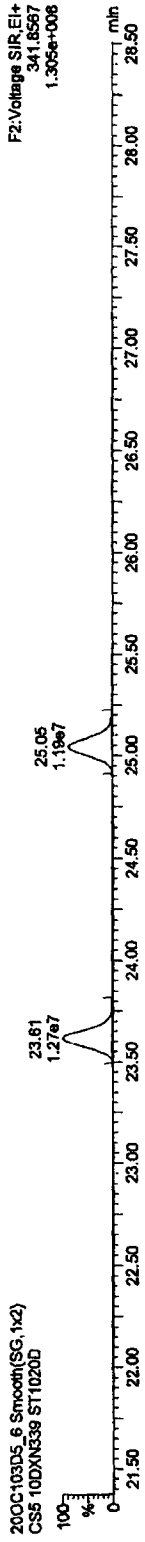
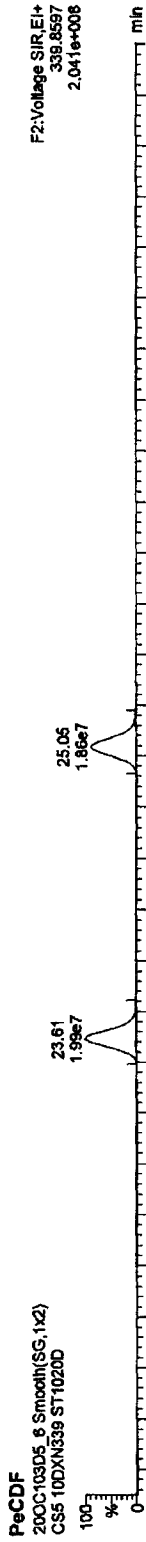


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRONCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



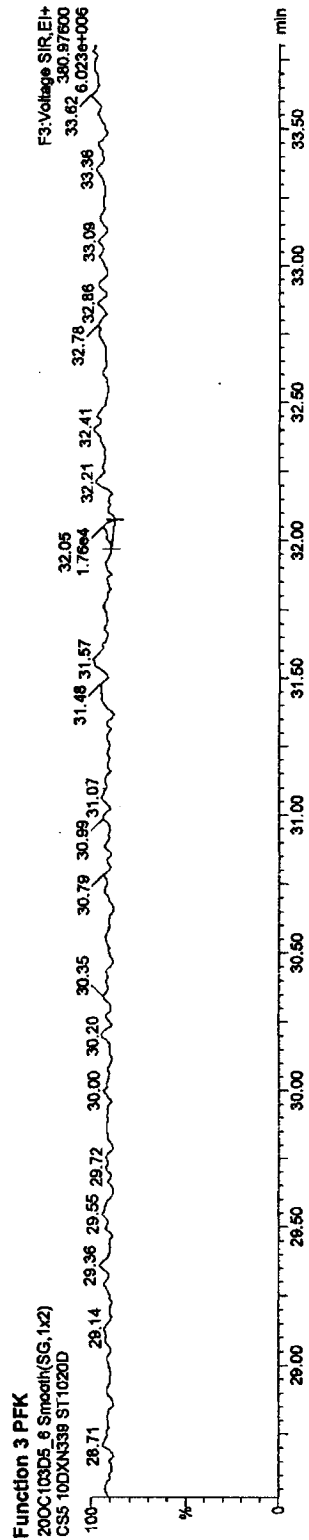
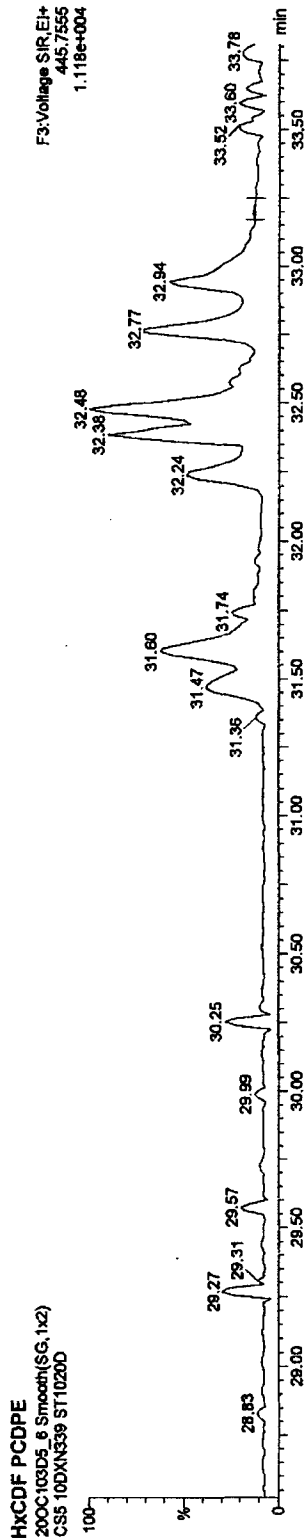
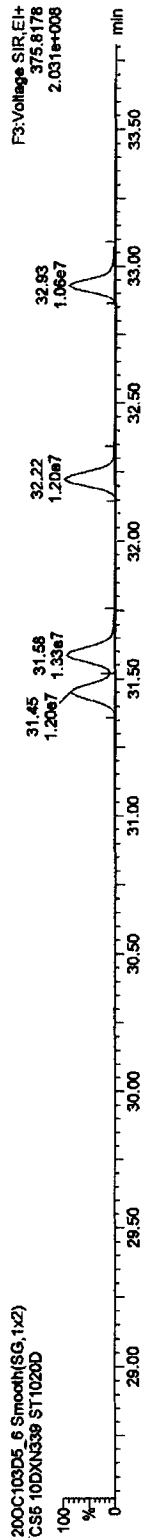
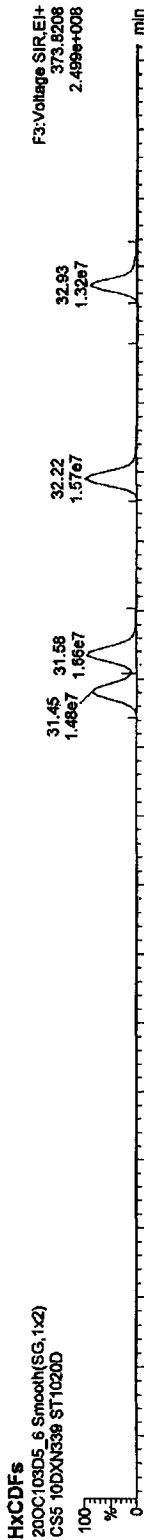
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



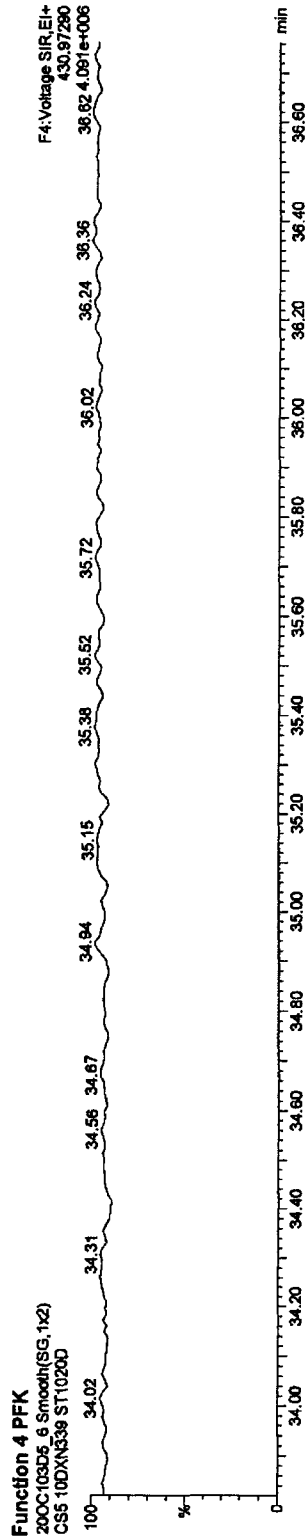
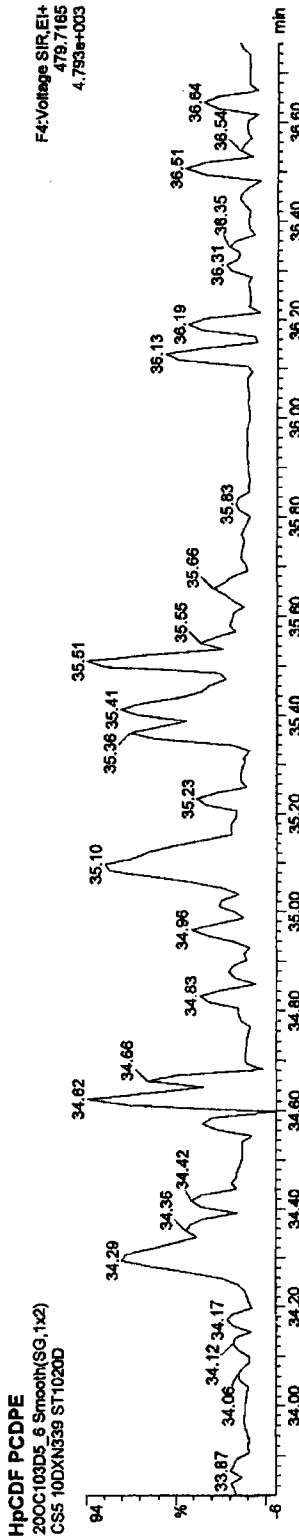
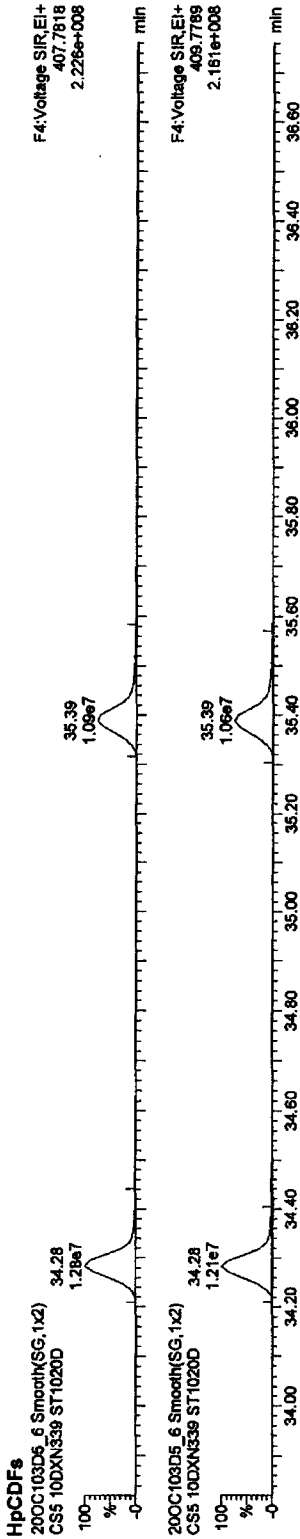
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRONICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROVCA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time

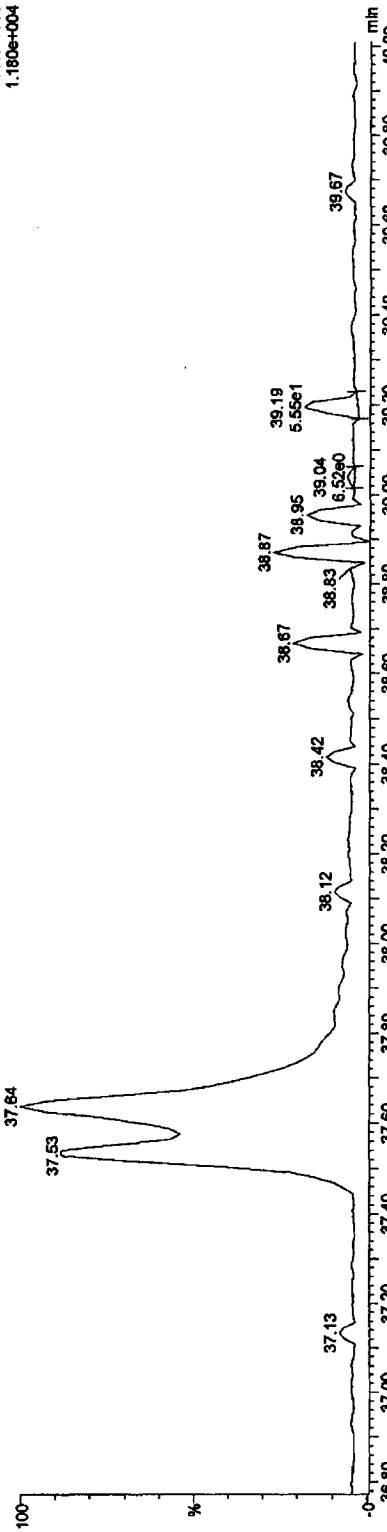
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 200C103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

OCDF PCDPE

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

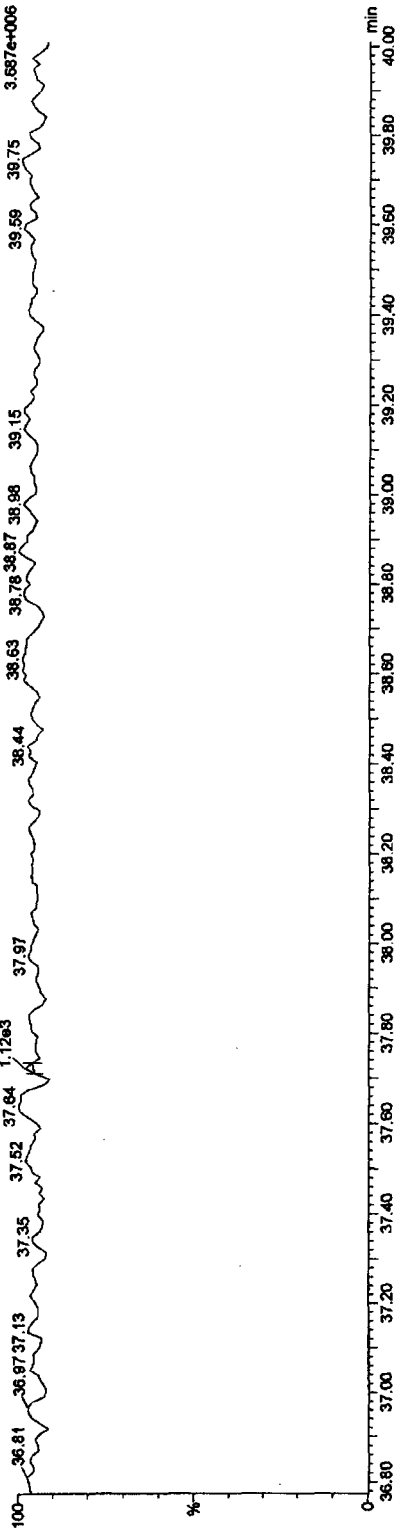
F5:Voltage SIR,EI+
513.67750
1.180e+004



Function 5 PFK

200C103D5_6 Smooth(SG,1x2)
CS5 10DXN339 ST1020D

F5:Voltage SIR,EI+
442.97280
3.687e+006

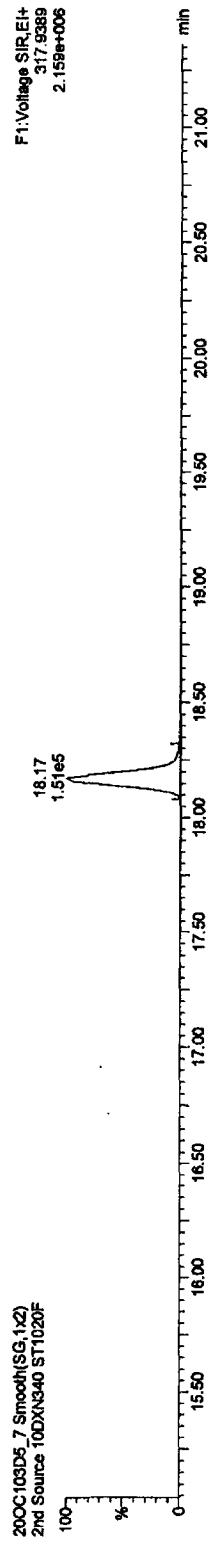
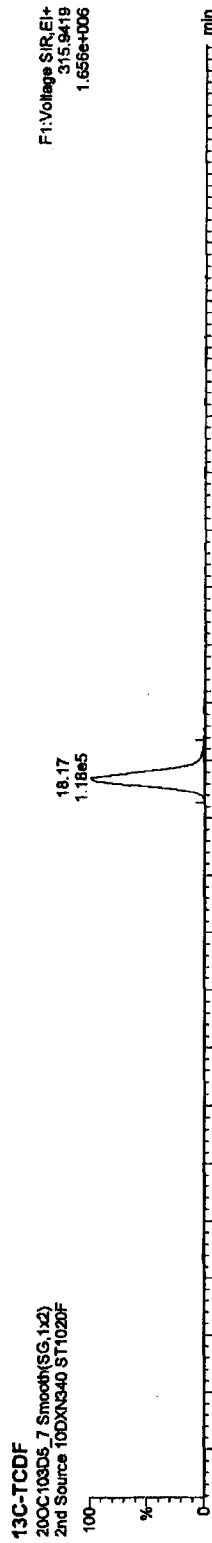
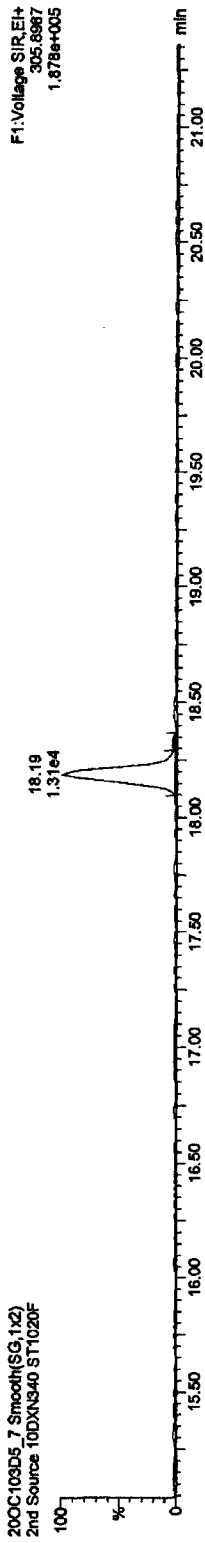
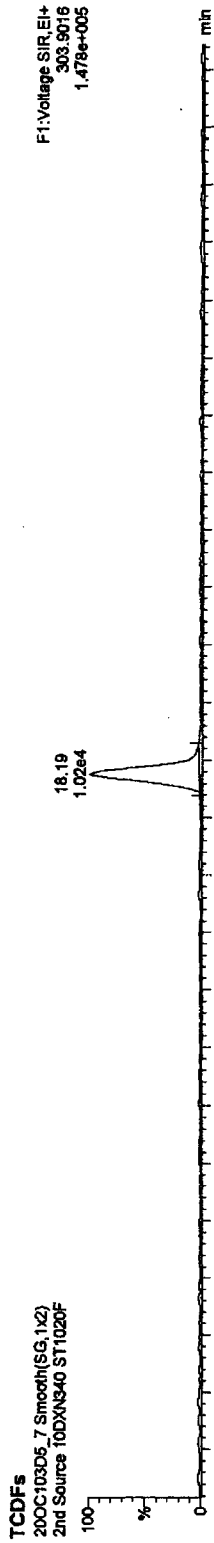


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5.mdb 18 Oct 2010 15:35:16
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1018103D51613.cdb 18 Oct 2010 15:49:57

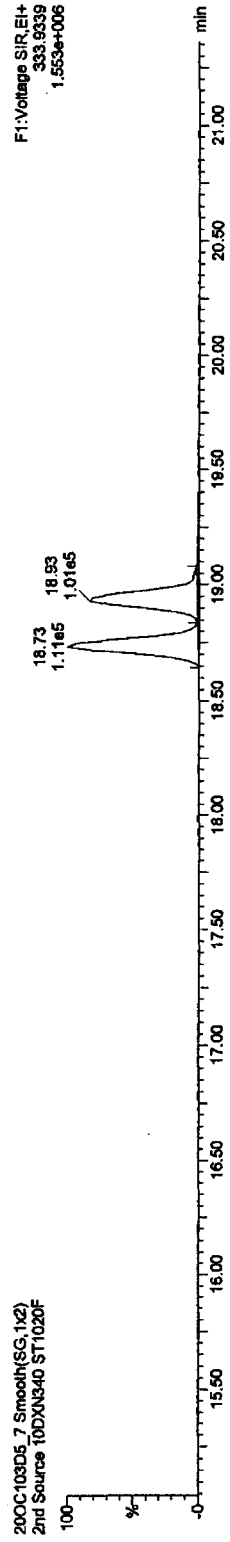
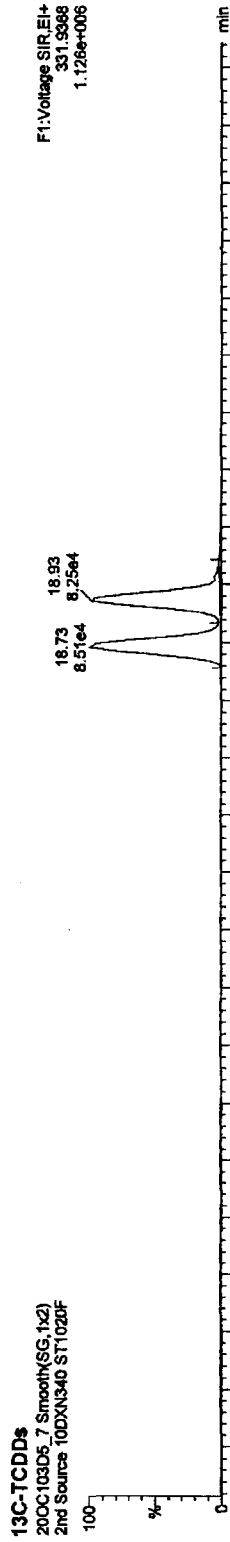
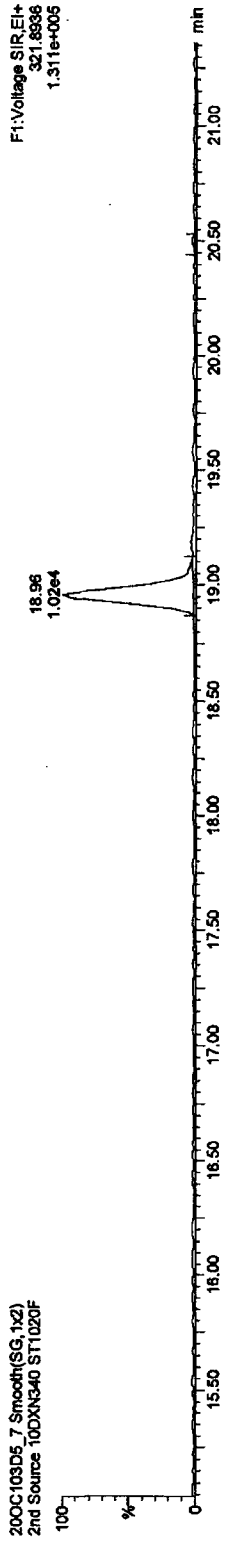
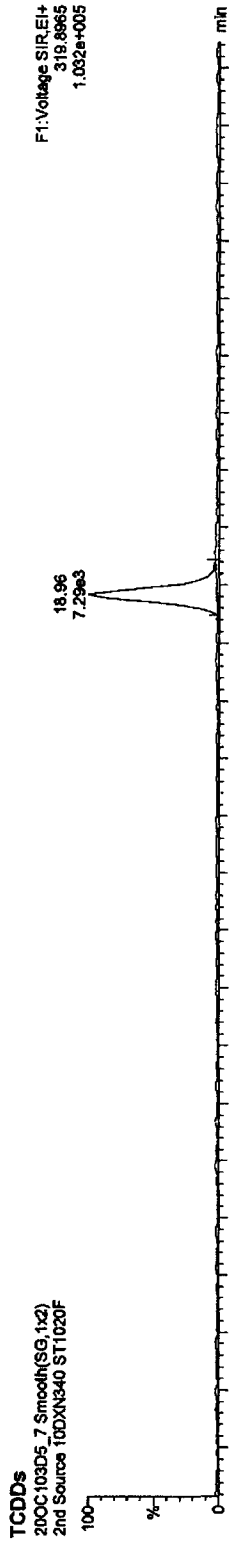
Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D55SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 16:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



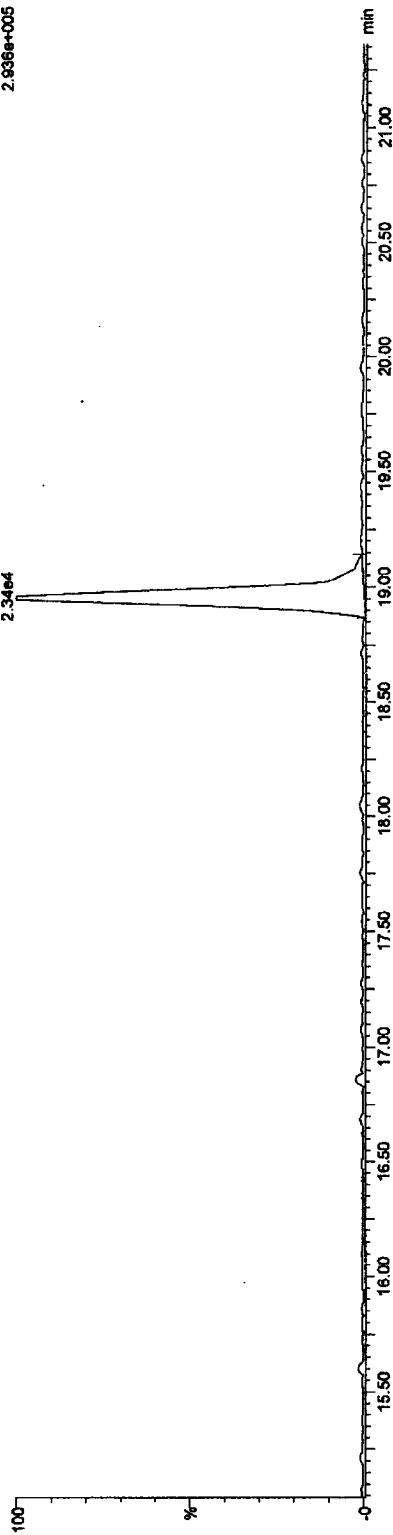
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROV200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

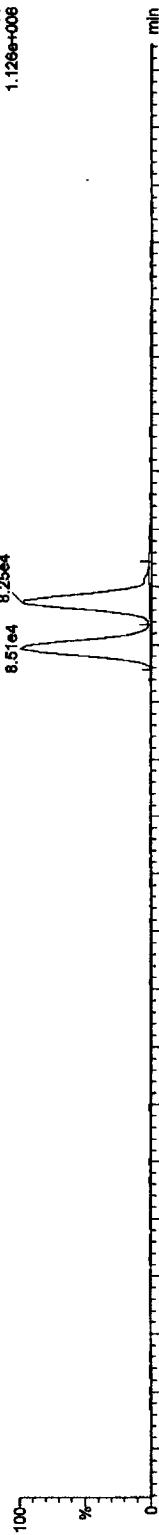
37CL-2,3,7,8-TCDD
200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F

F1:Voltage SIR.EI+
327.8847
2.936e+005



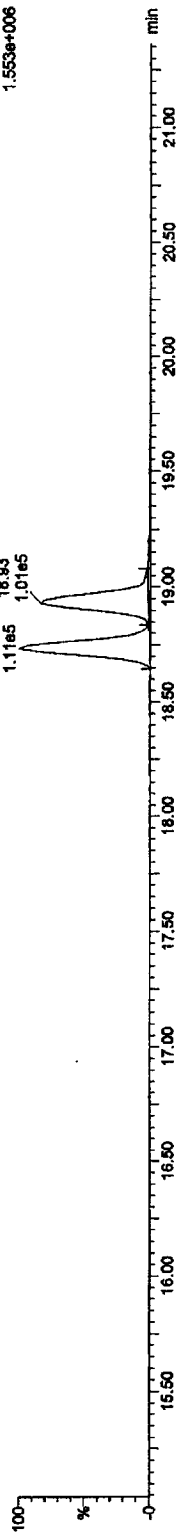
13C-TCDDs
200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F

F1:Voltage SIR.EI+
331.9368
1.126e+006



200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F

F1:Voltage SIR.EI+
333.9339
1.553e+006

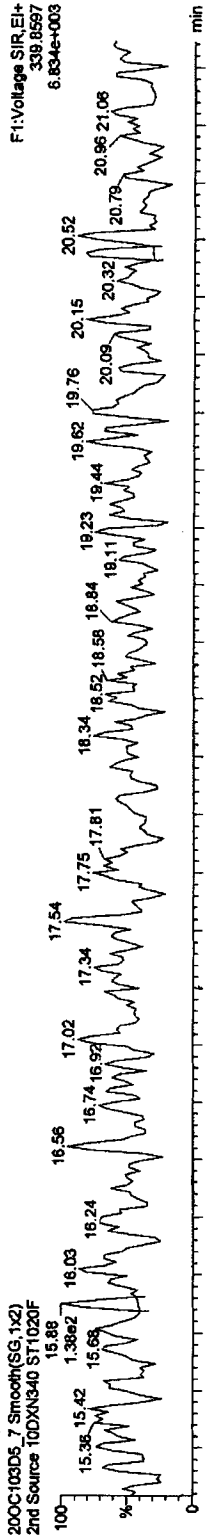


Quantify Sample Report MassLynx 4.1

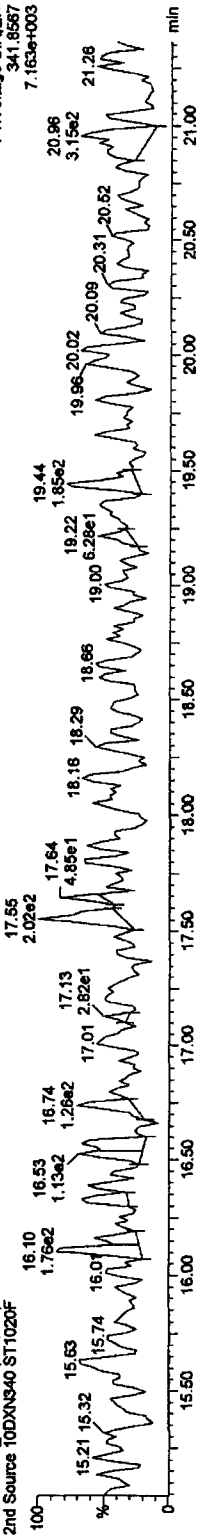
Dataset: C:\MassLynx\JAN2010\PROV200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

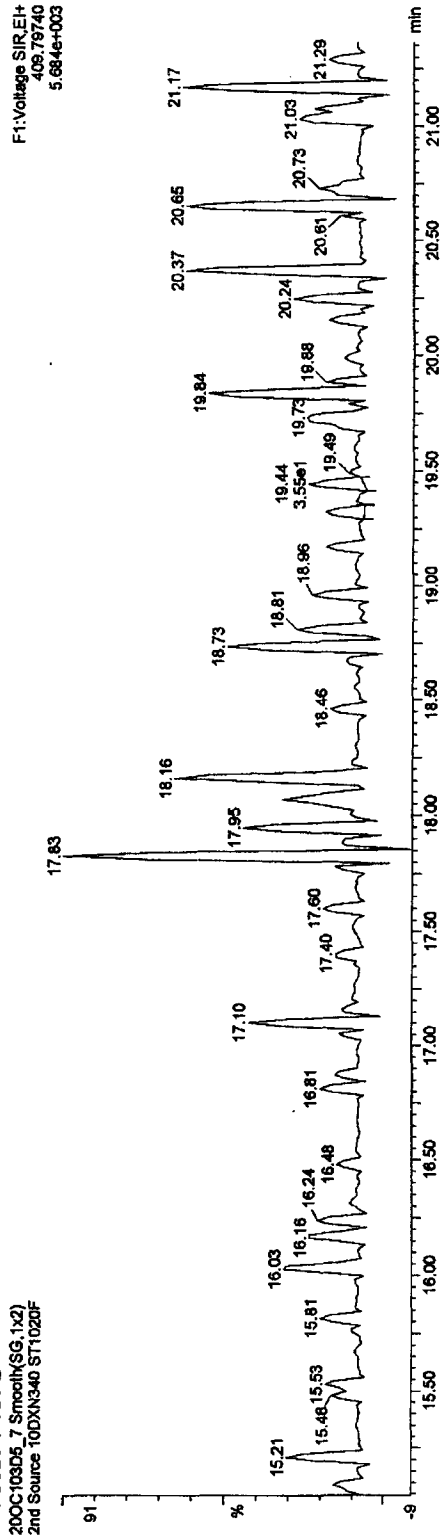
F1 PeCDFs



F1 Voltage SIR, EI+



F1 PeCDF PCDPE



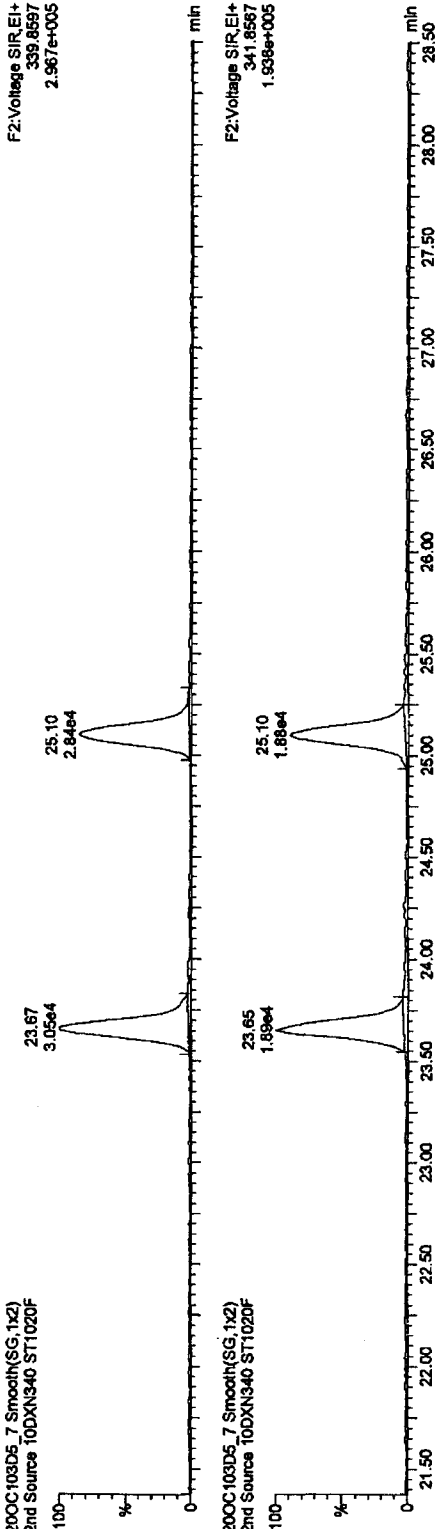
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

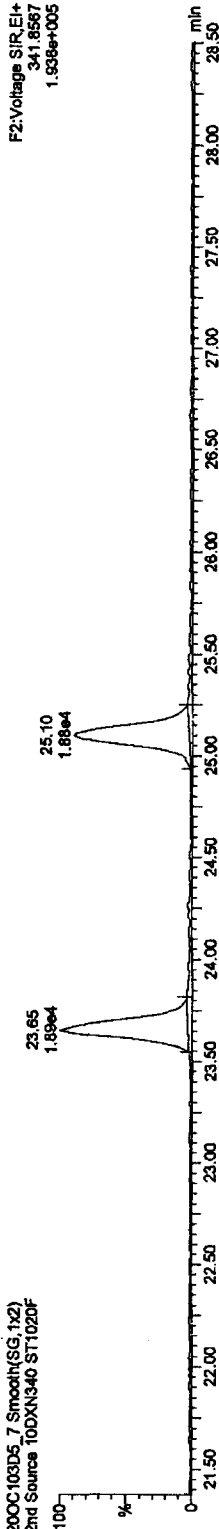
PeCDFs

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



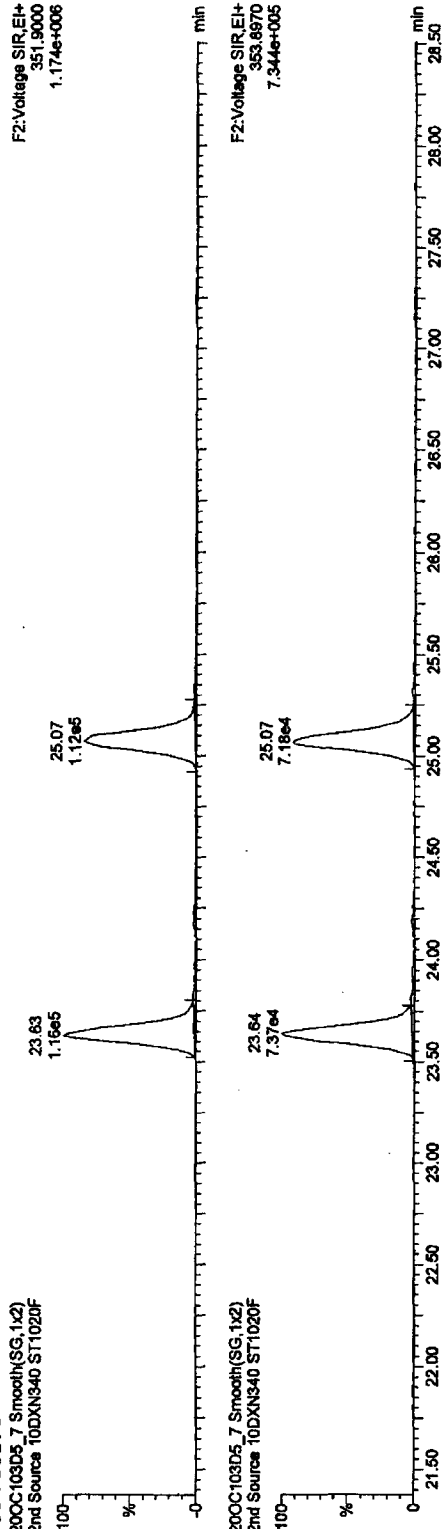
PeCDFs

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



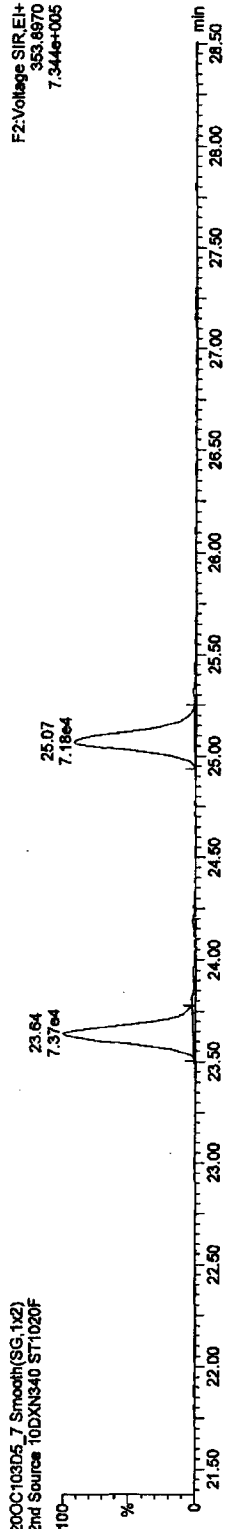
13C-PeCDFs

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



PeCDFs

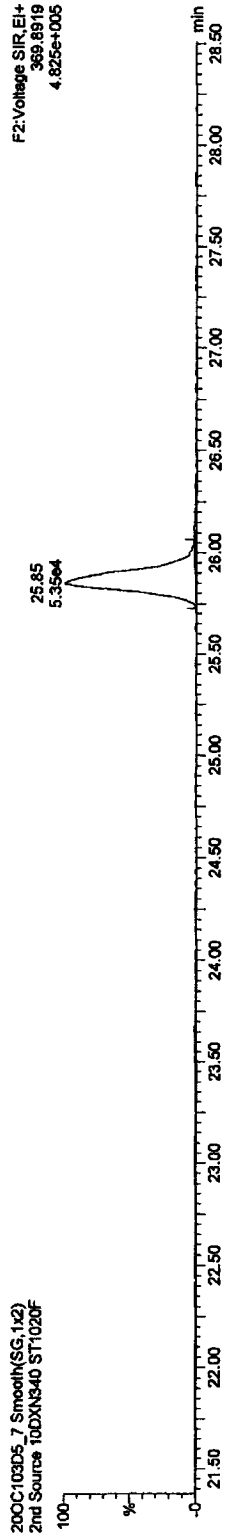
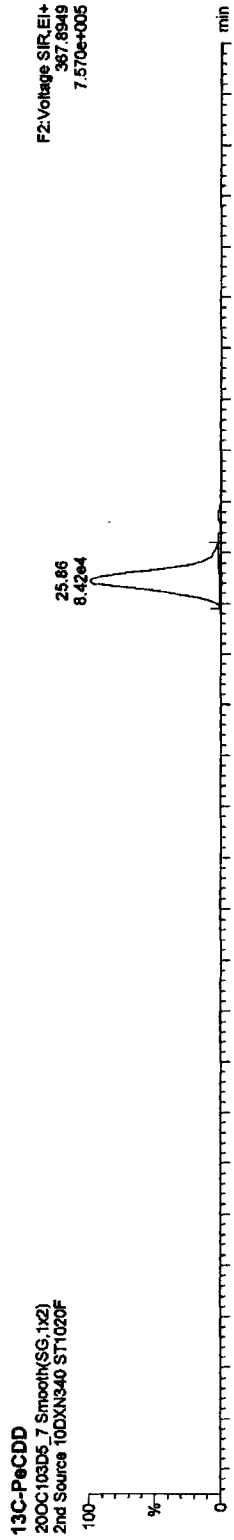
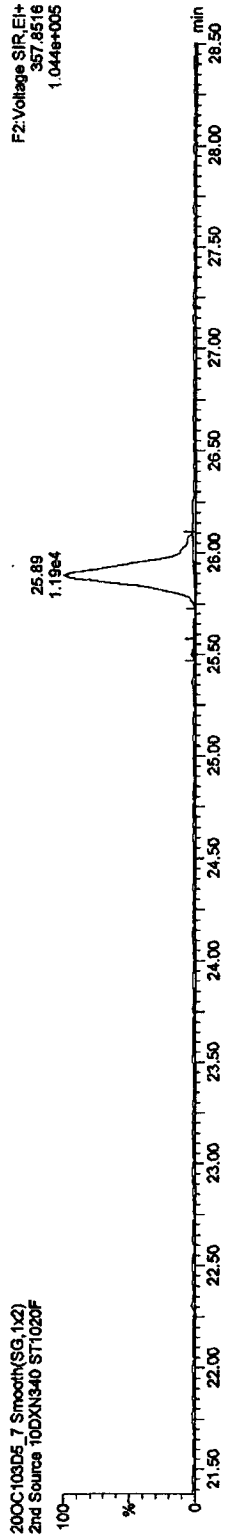
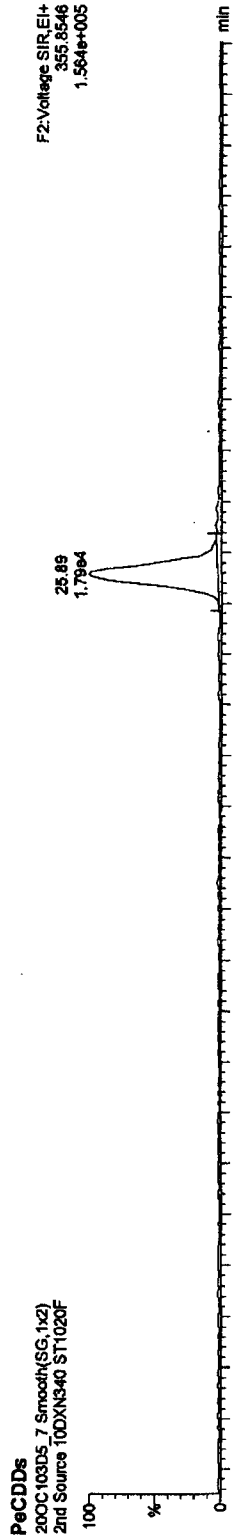
200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D6SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

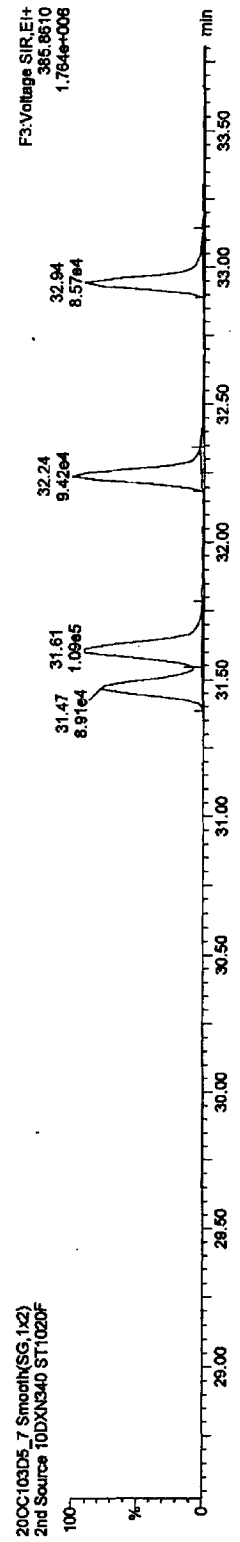
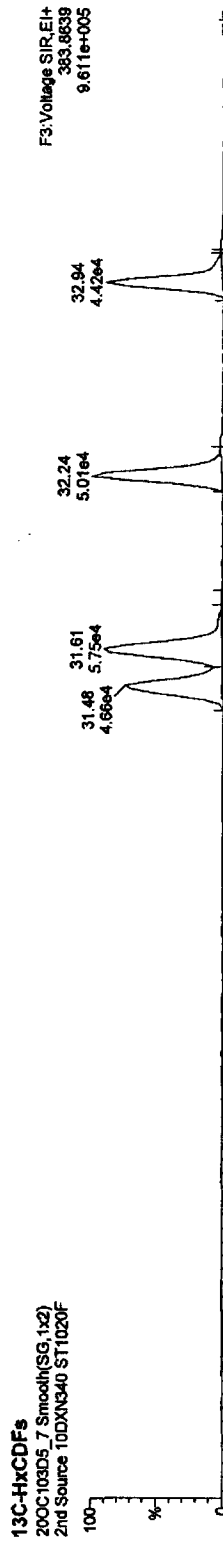
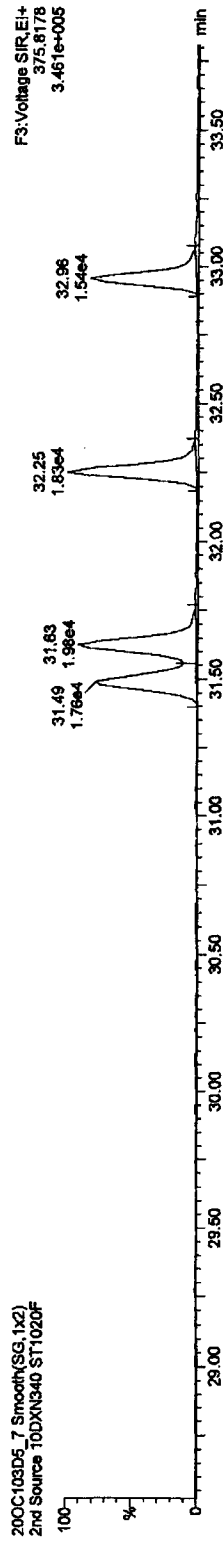
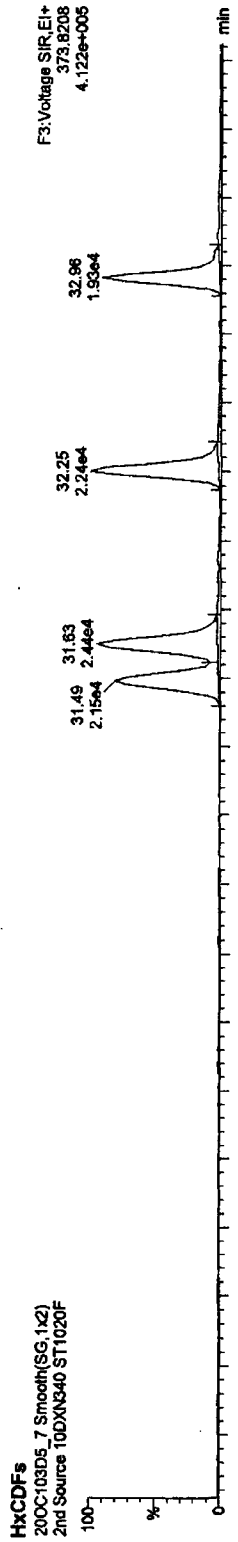
Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

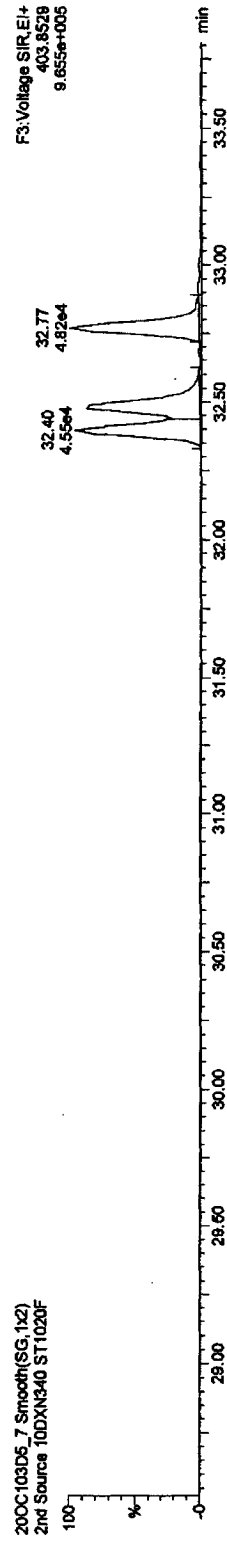
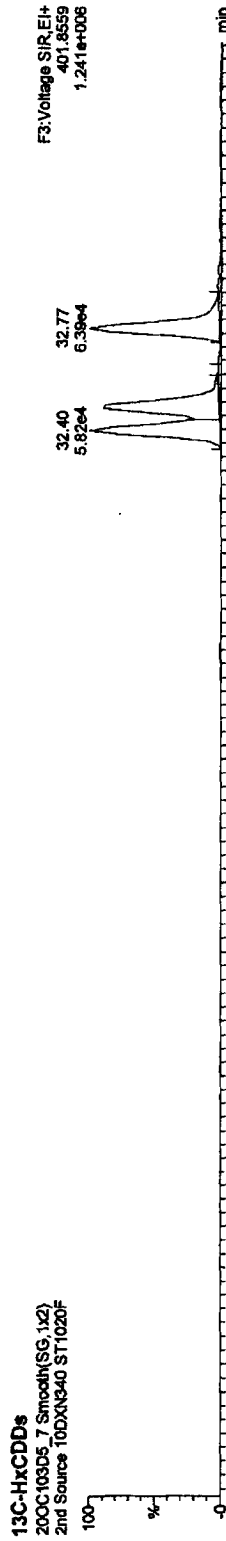
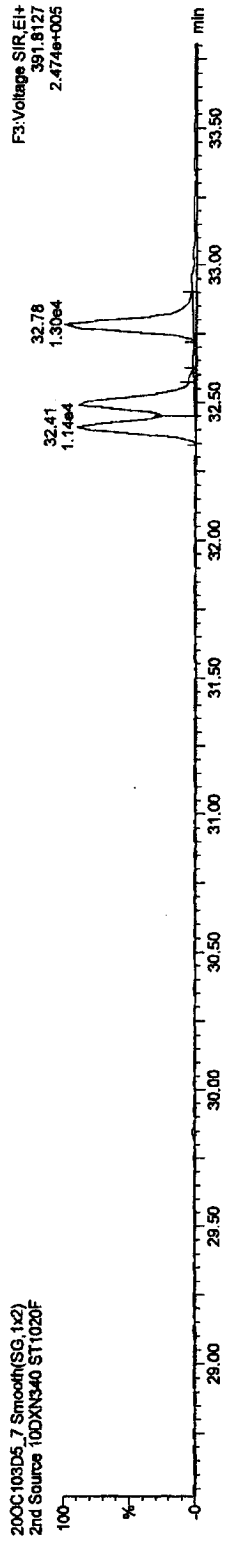
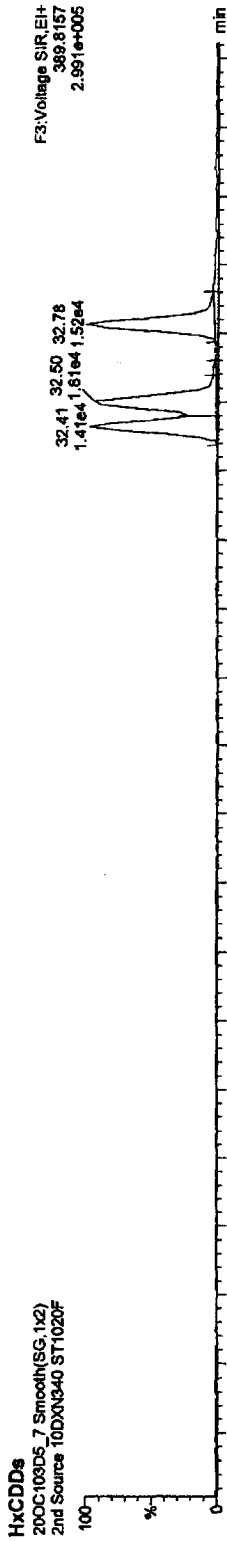
Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

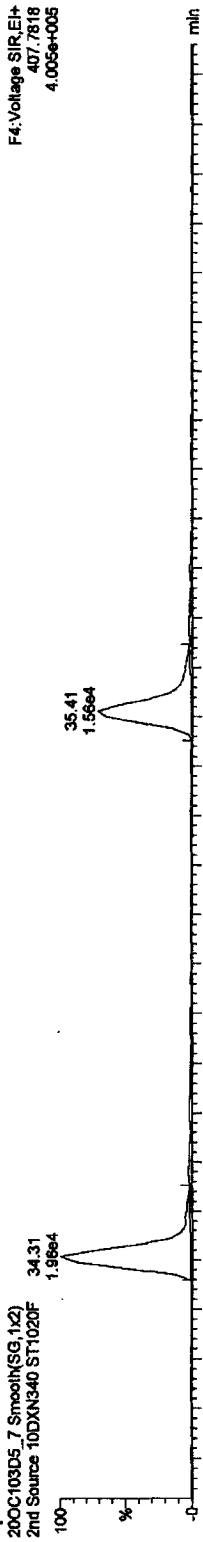


Quantify Sample Report MassLynx 4.1

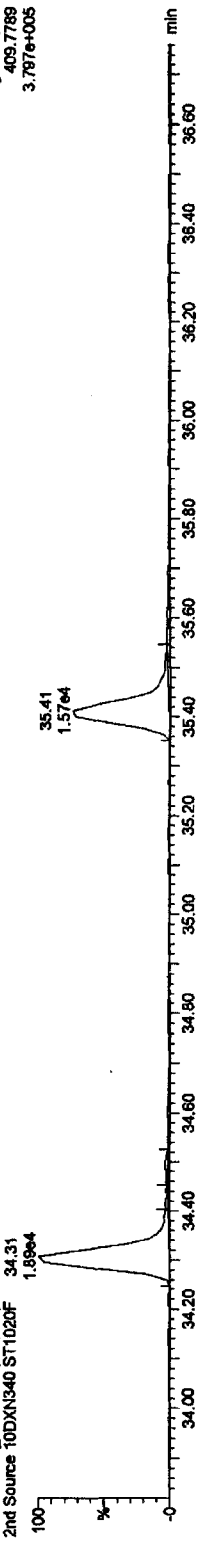
Dataset: C:\MassLynx\JAN2010.PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

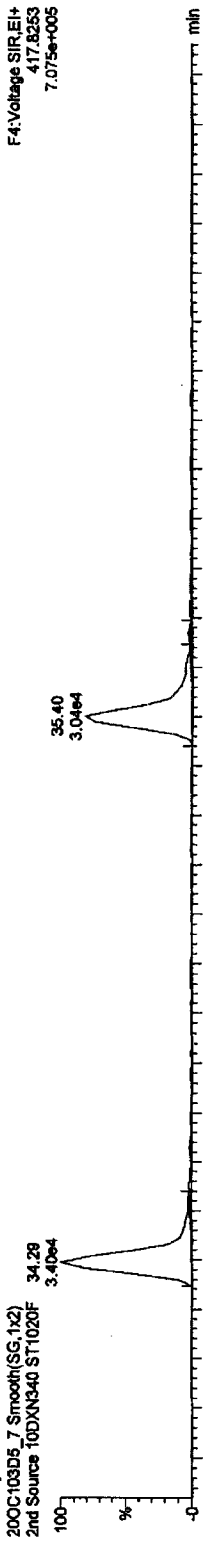
HpCDFs



13C-HpCDFs



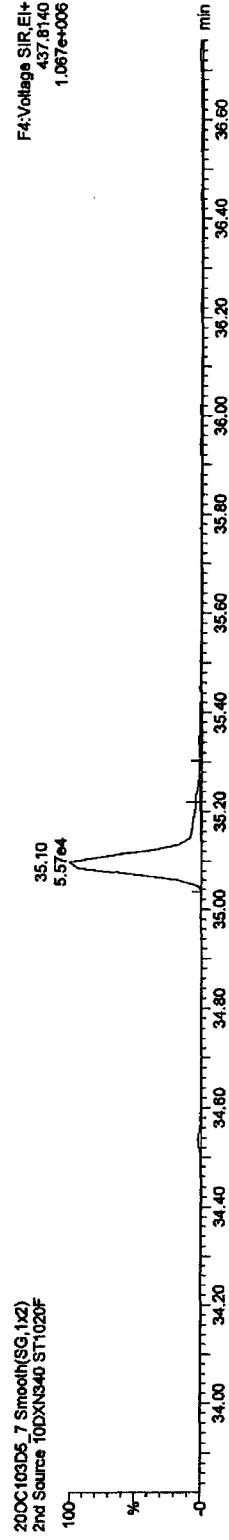
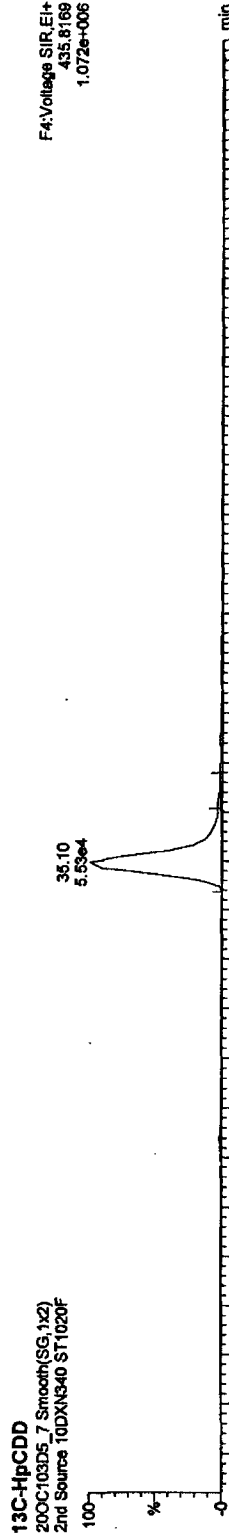
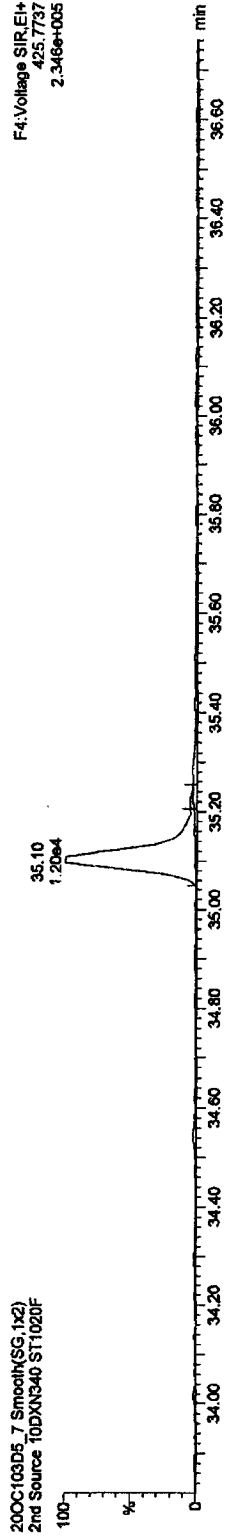
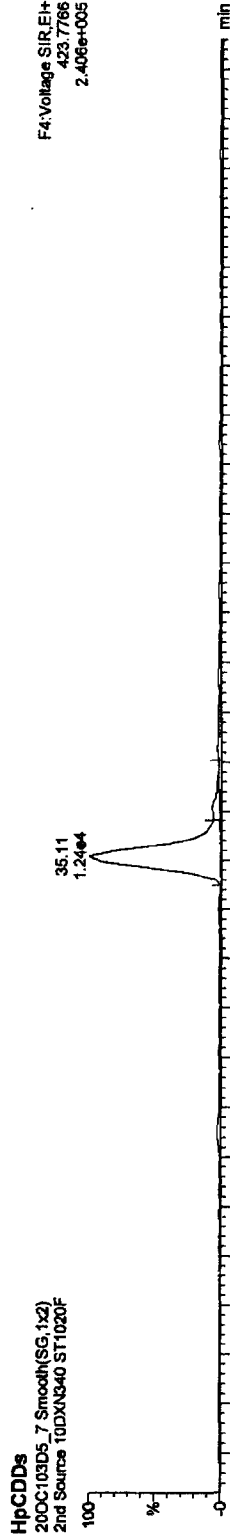
13C-HpCDFs



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UN2010.PRO\200C103D5\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5SECONDSOURCE.qld

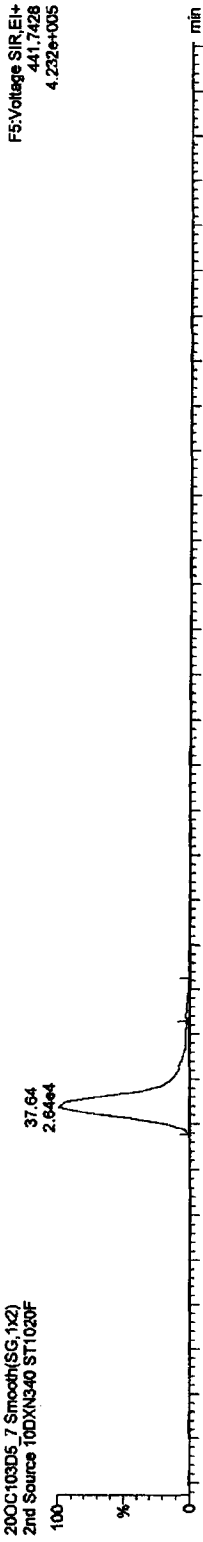
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

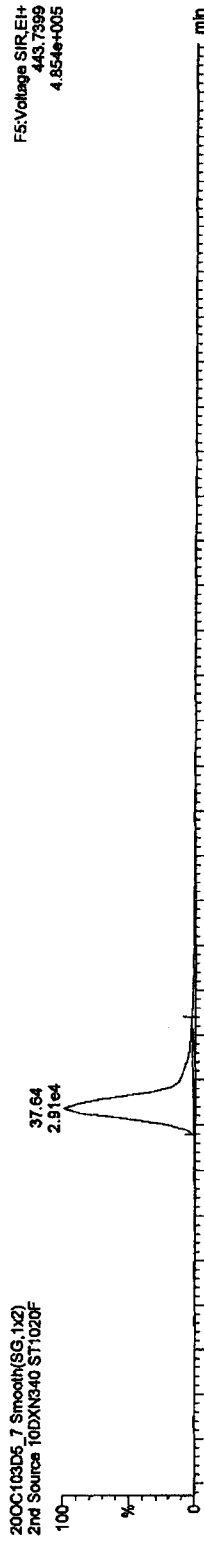
Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

OCDFs

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F

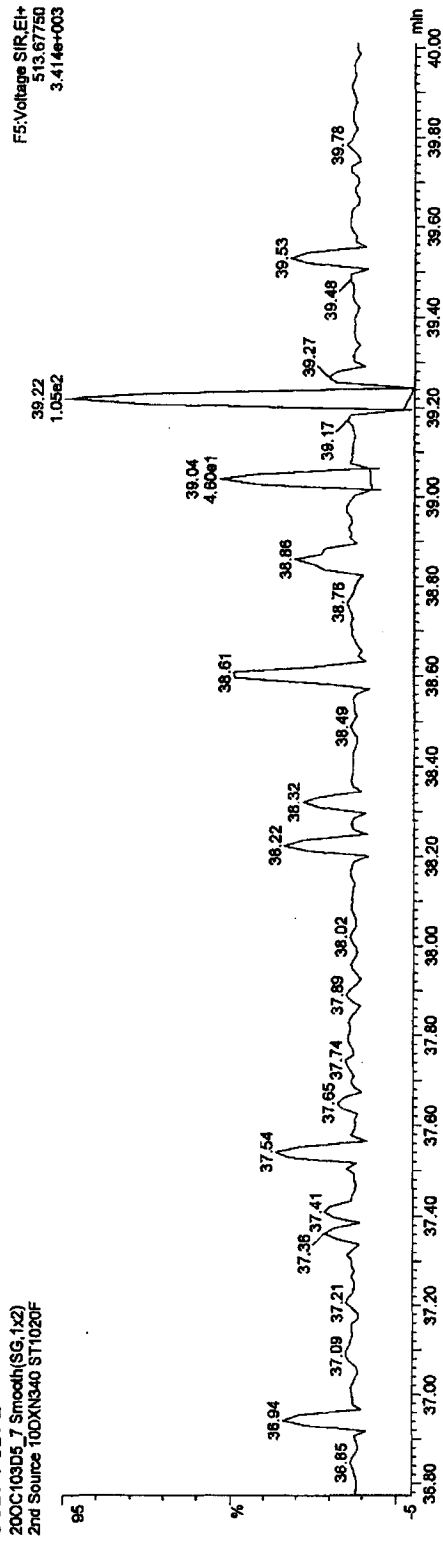


200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



OCDF PCDFE

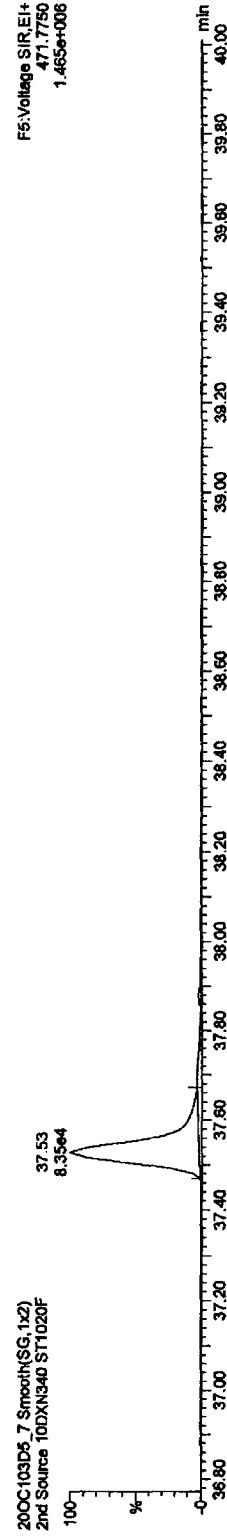
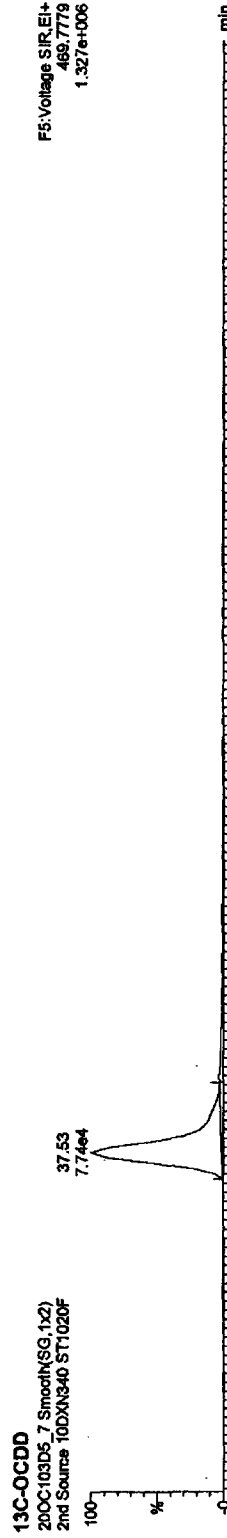
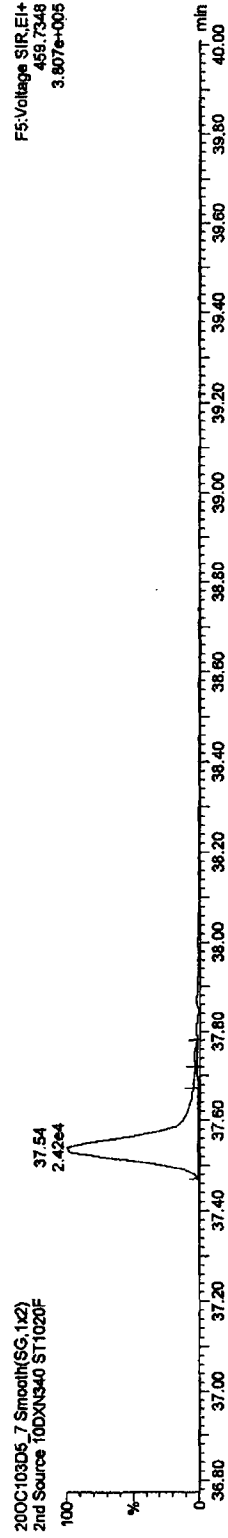
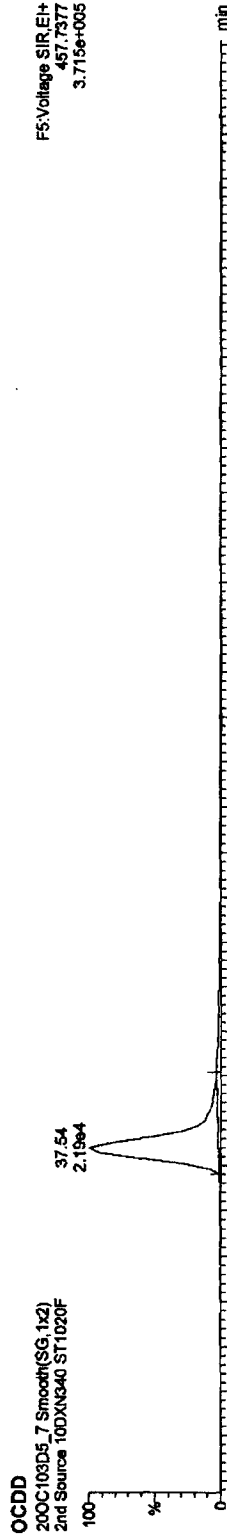
200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:16:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



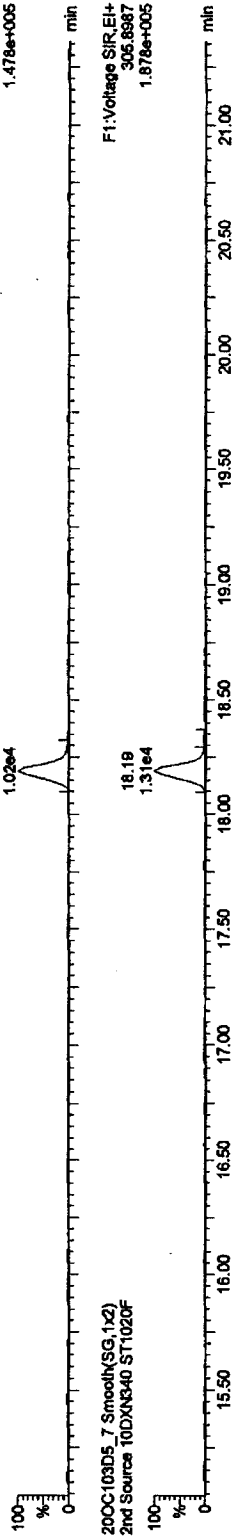
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

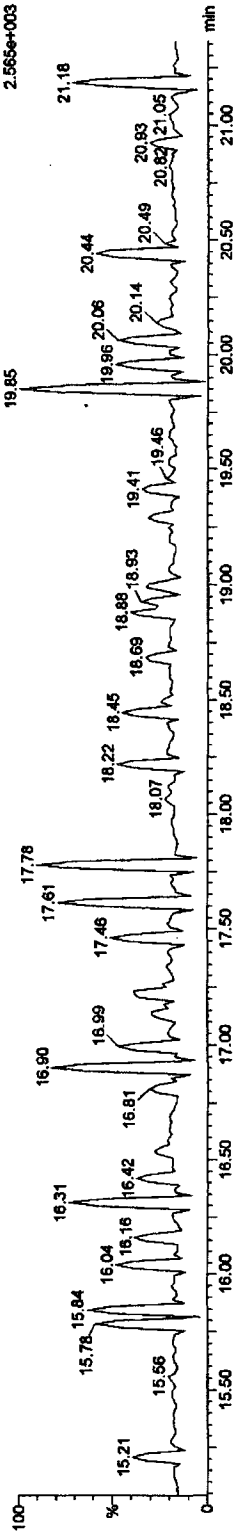
TCDFs

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



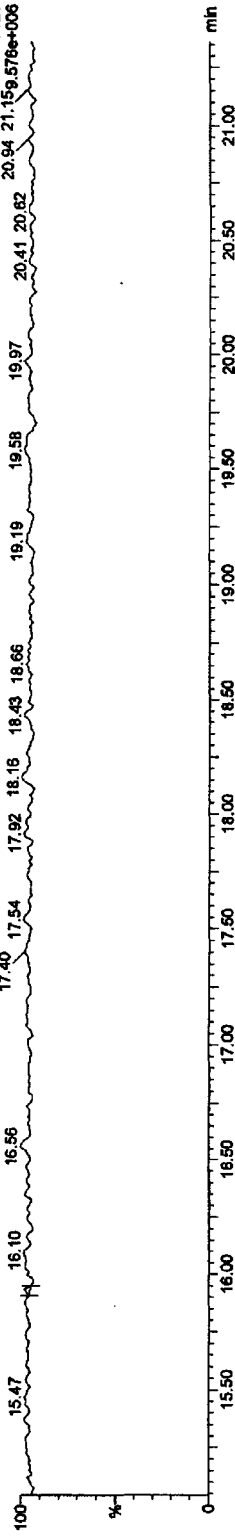
TCDF PCDPE

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F



Function 1 PFK

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F

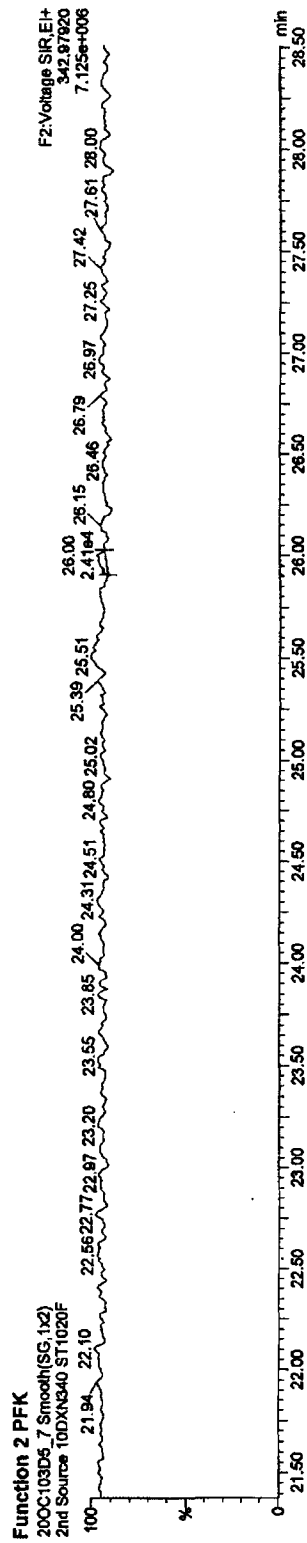
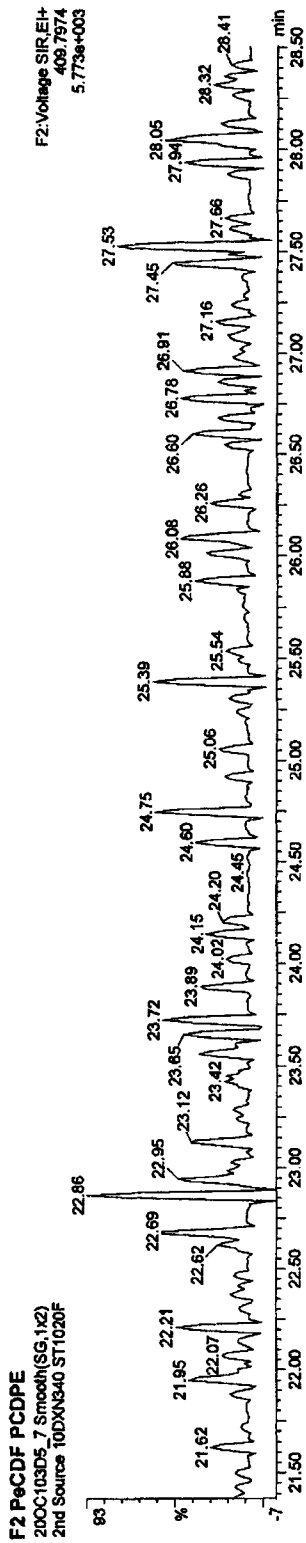
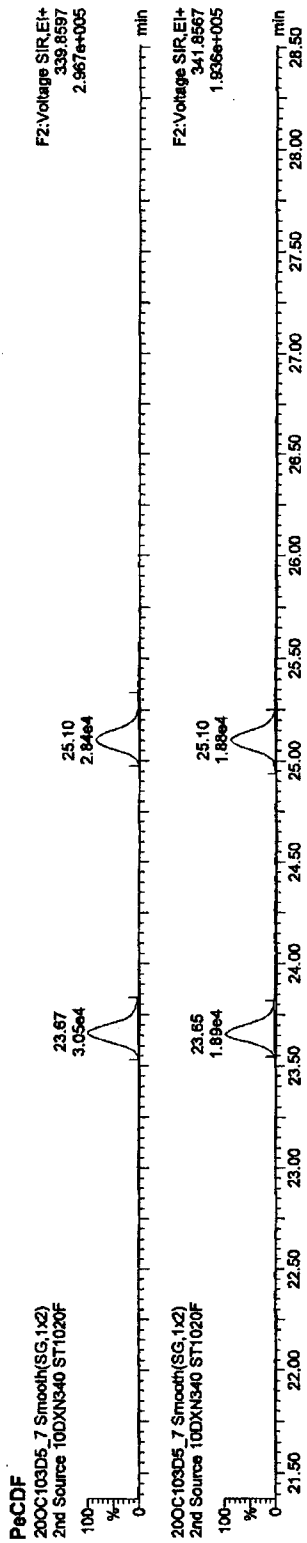


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5SECONDSOURCE.qld

Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



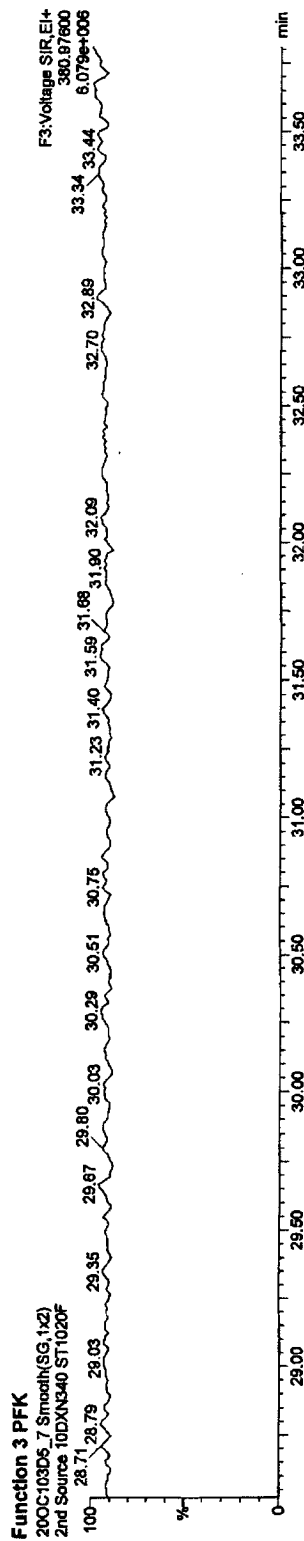
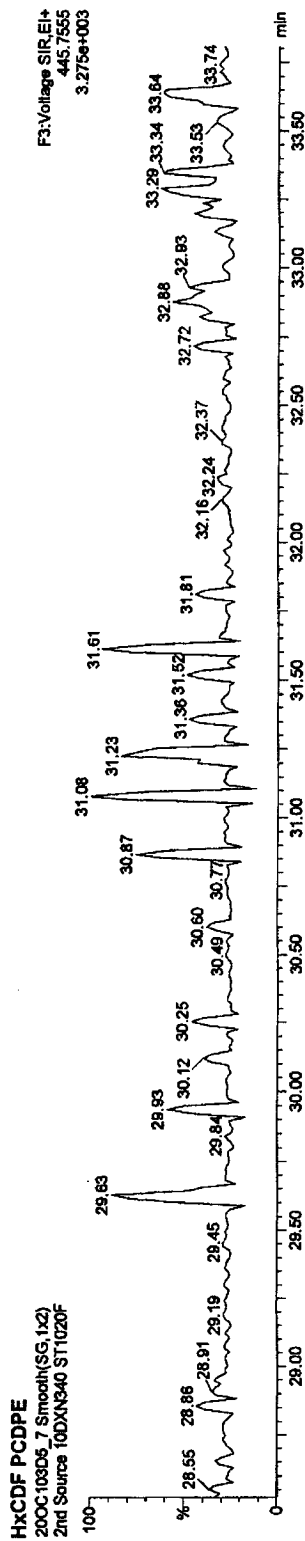
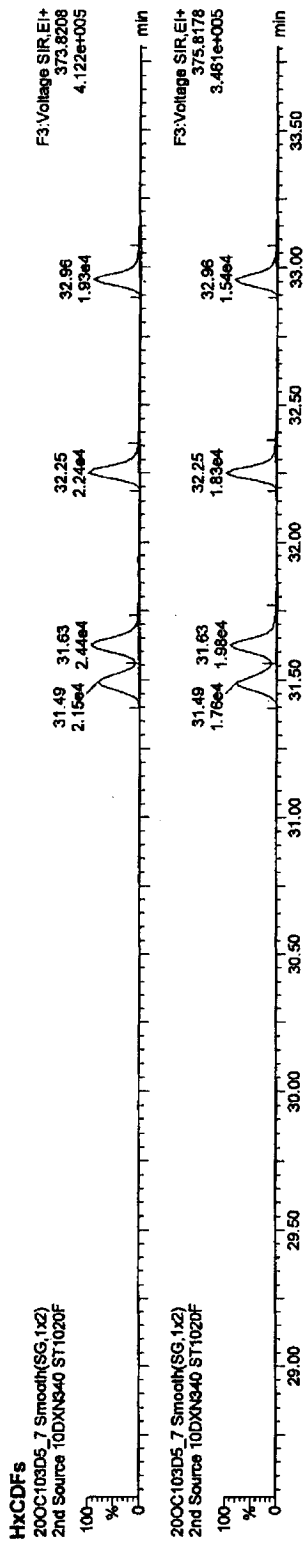
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5SECONDSOURCE.qld

Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

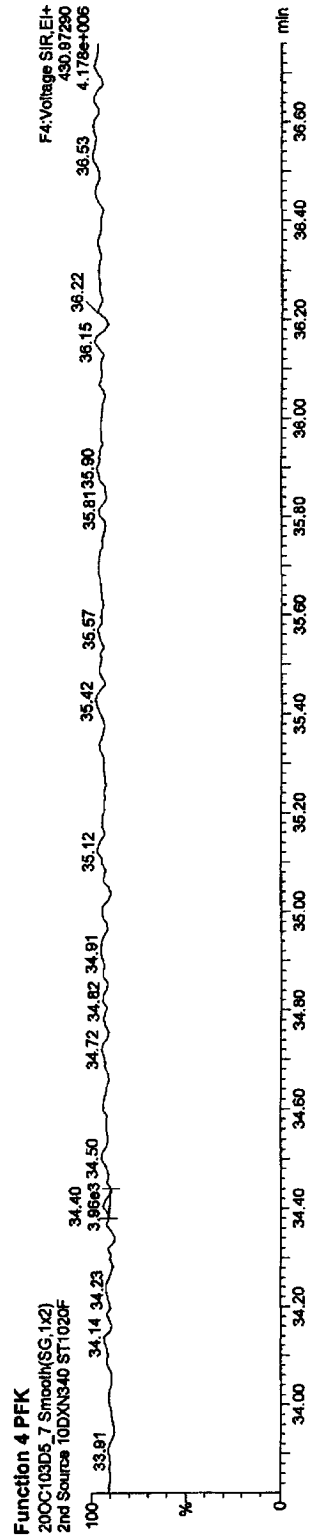
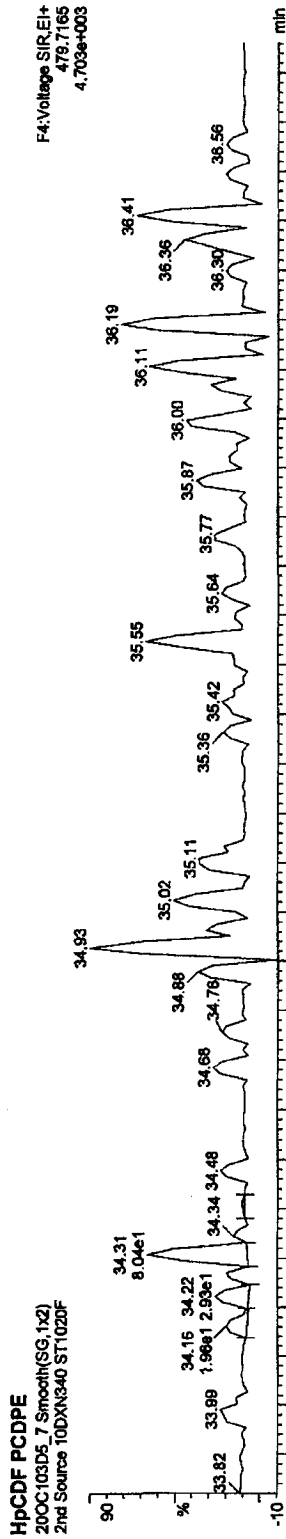
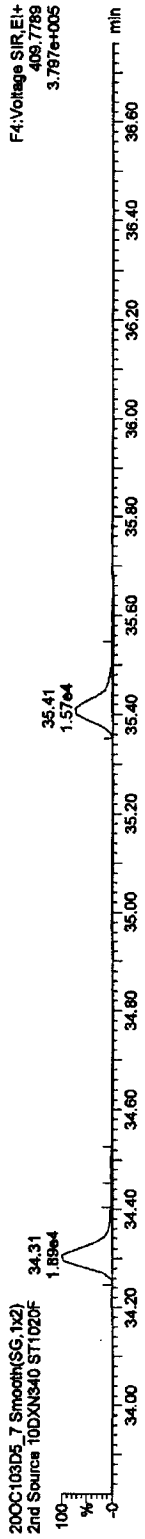
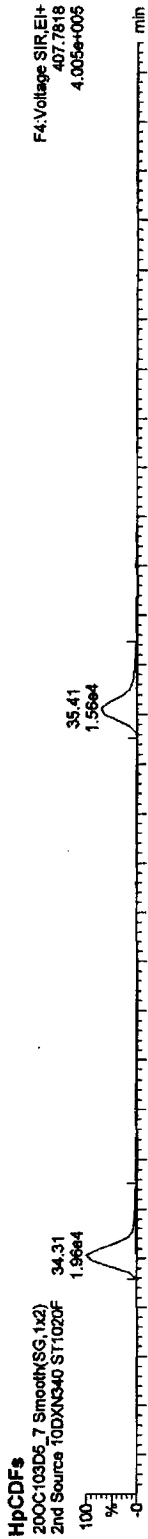
Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340



Quantify Sample Report MassLynx 4.1

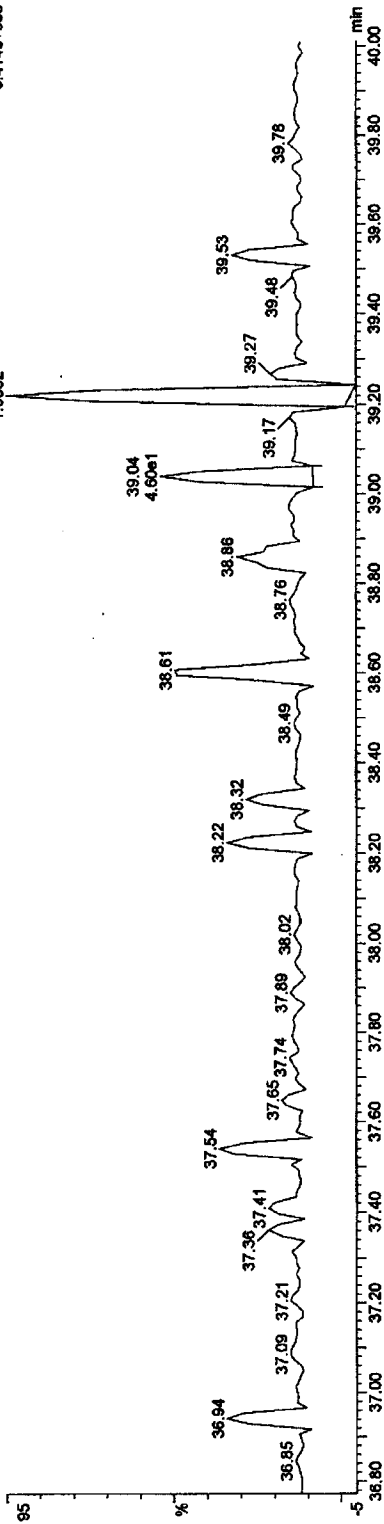
Dataset: C:\MassLynx\JAN2010.PRO\200C103D5SECONDSOURCE.qld
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 200C103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

OCDF PCDPE

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F

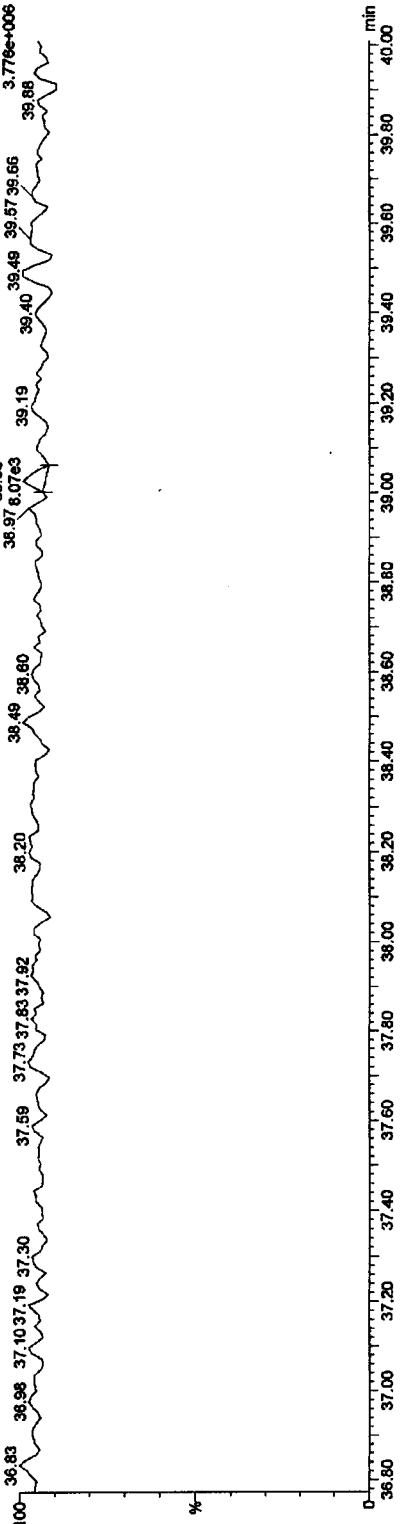
F5:Voltage SIR,EI+
513.67750
3.414e+003



Function 5 PFK

200C103D5_7 Smooth(SG,1x2)
2nd Source 10DXN340 ST1020F

F5:Voltage SIR,EI+
442.97280
3.776e+006



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

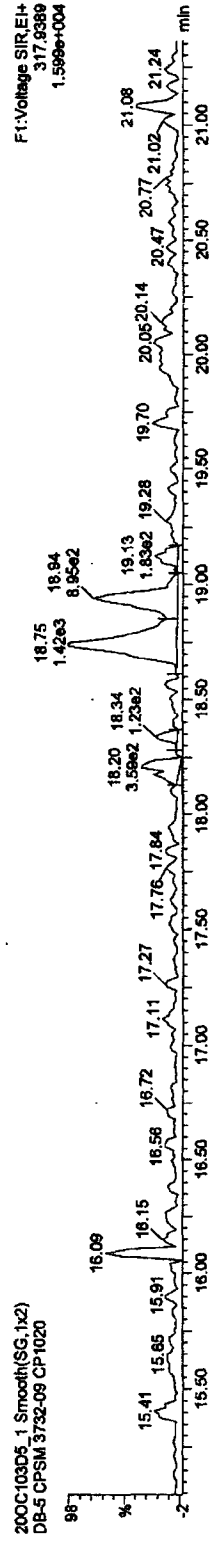
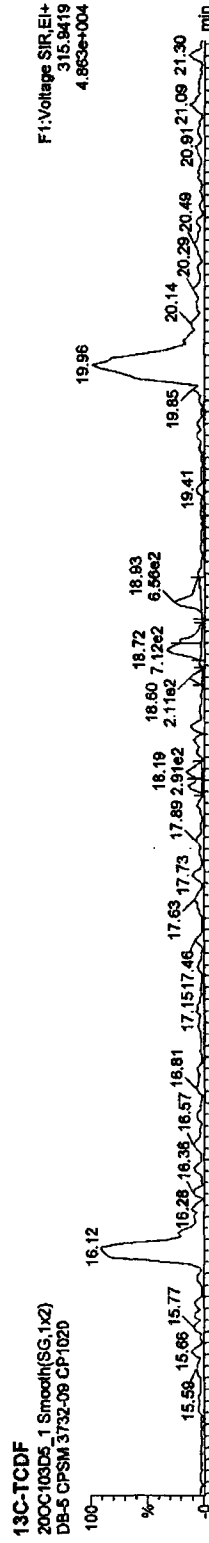
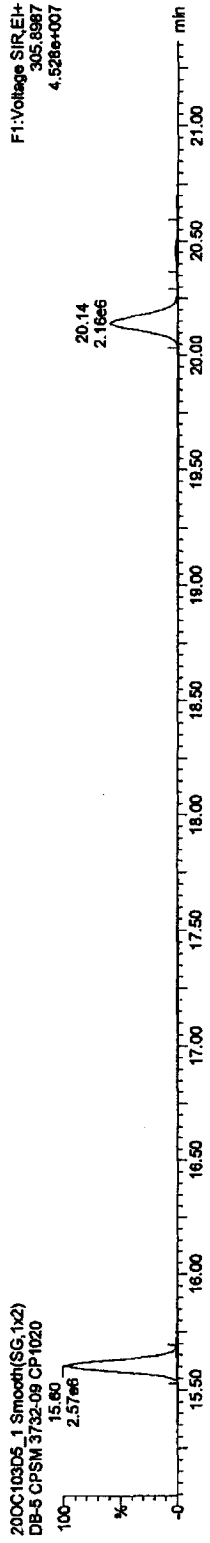
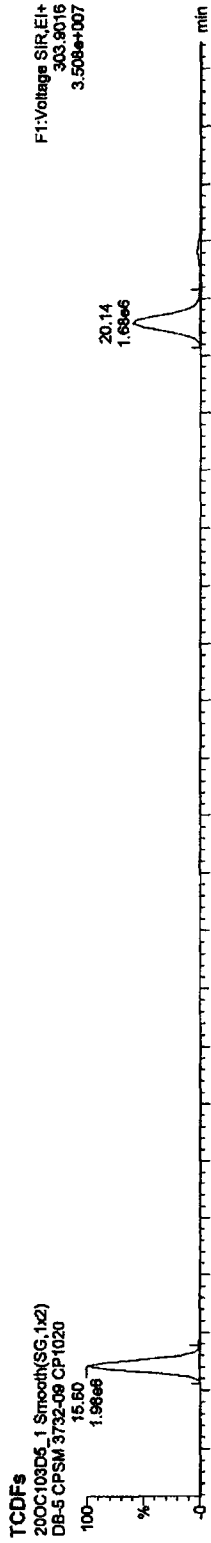
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\Meth\DB\16133D5.mdb 18 Oct 2010 15:35:16

Calibration: C:\MassLynx\JAN2010.PRO\Curve\DB\ICA1018103D51613.cdb 18 Oct 2010 15:49:57

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

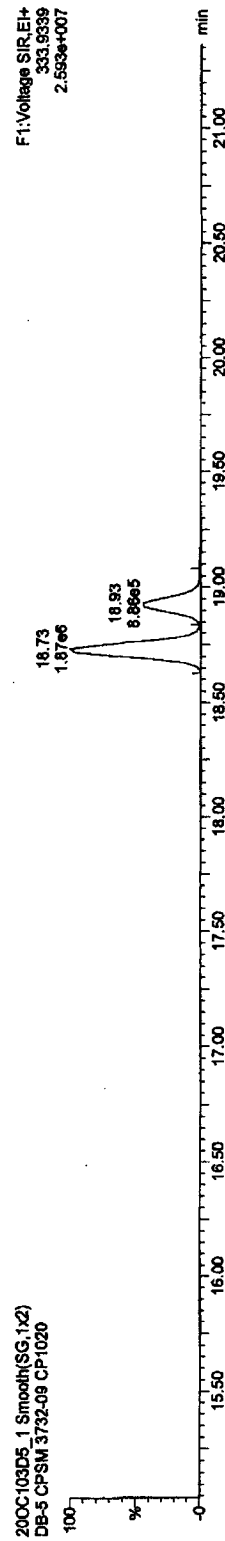
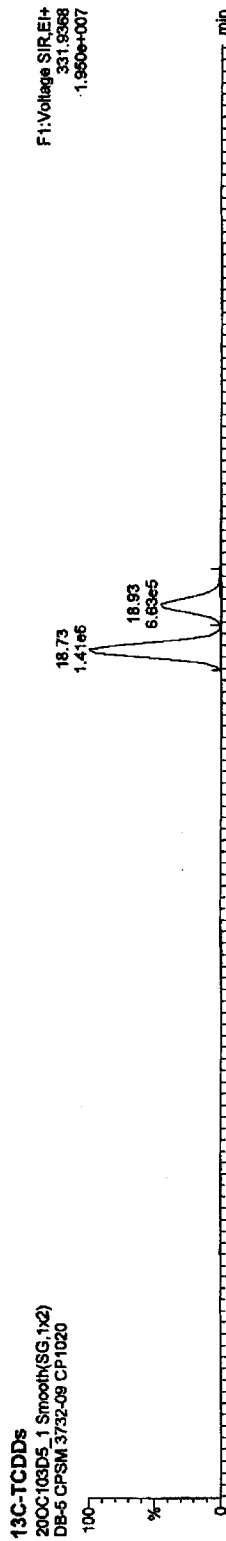
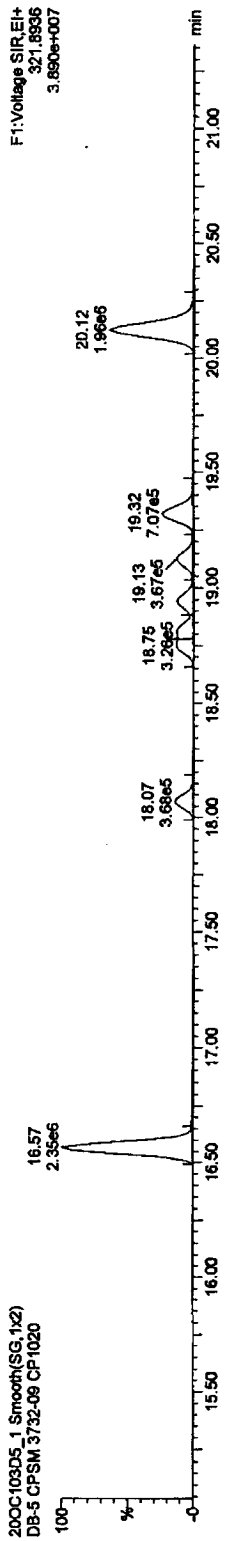
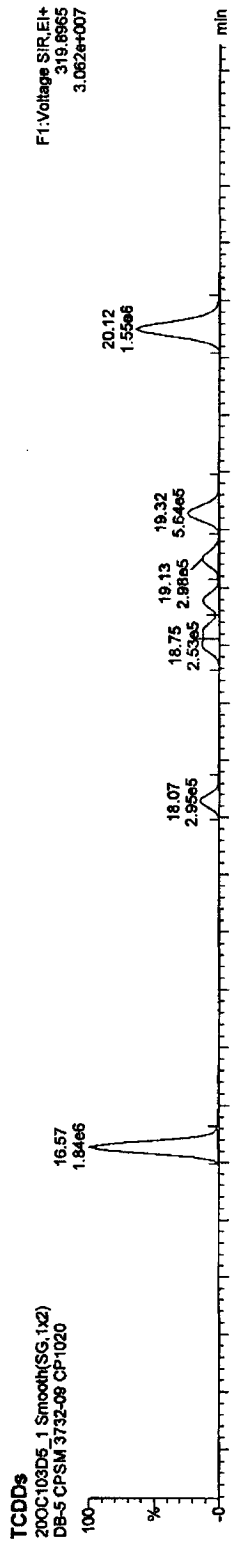


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5\CP1020.D

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

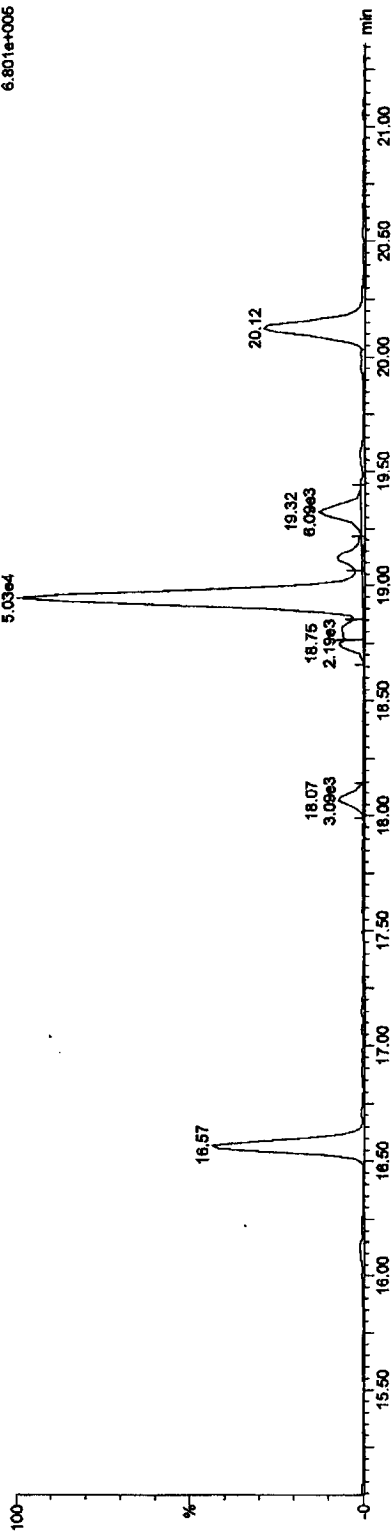
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

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

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

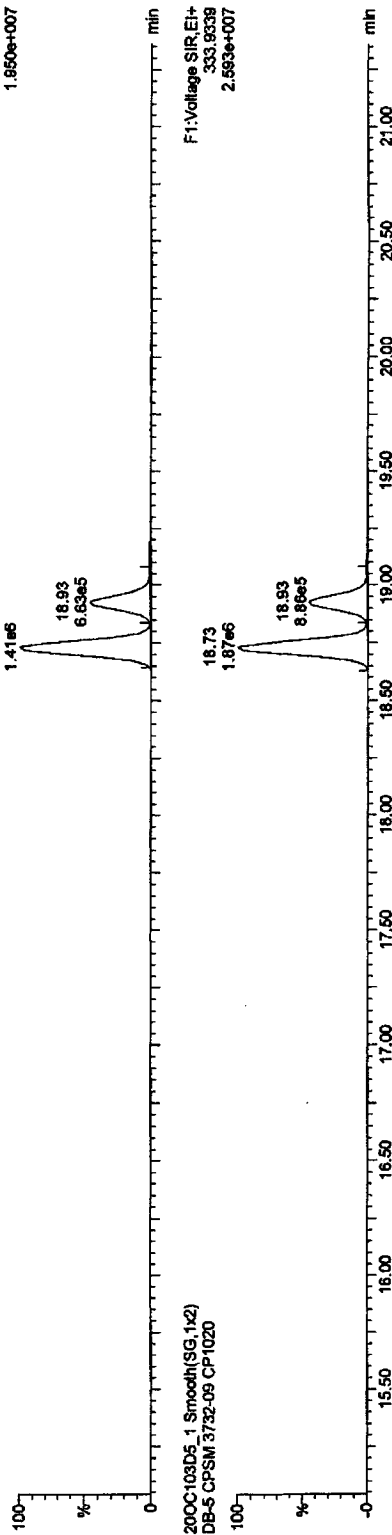
F1:Voltage SIR,EI+
327.8647
6.801e+006



13C-TCDDs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

F1:Voltage SIR,EI+
331.9368
1.650e+007



200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

F1:Voltage SIR,EI+
333.9539
2.593e+007

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM.qld

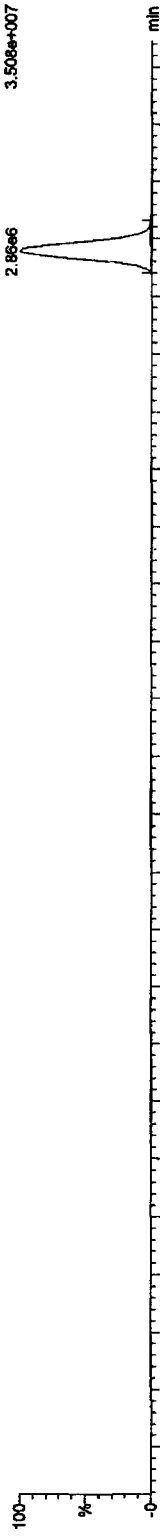
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

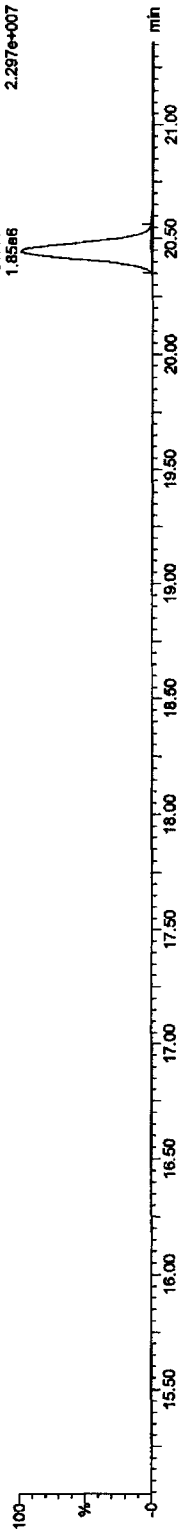
Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

F1 PeCDFs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

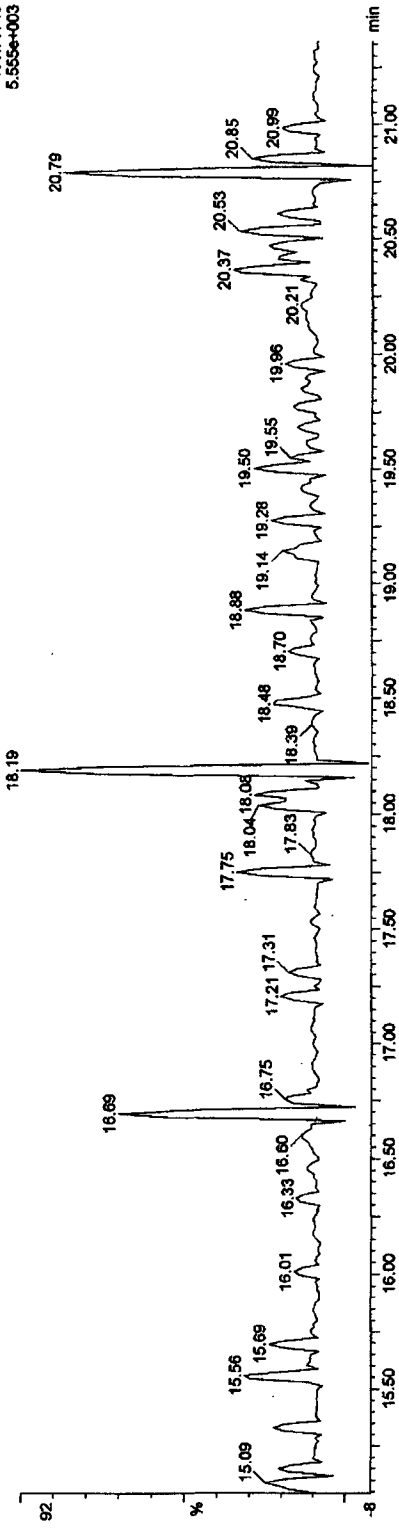


200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



F1 PeCDF PCDPE

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM.qld

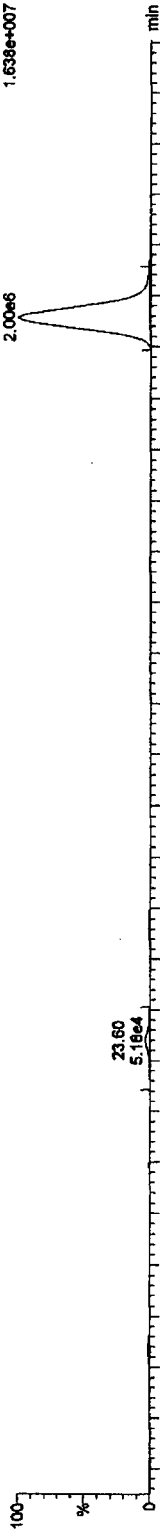
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

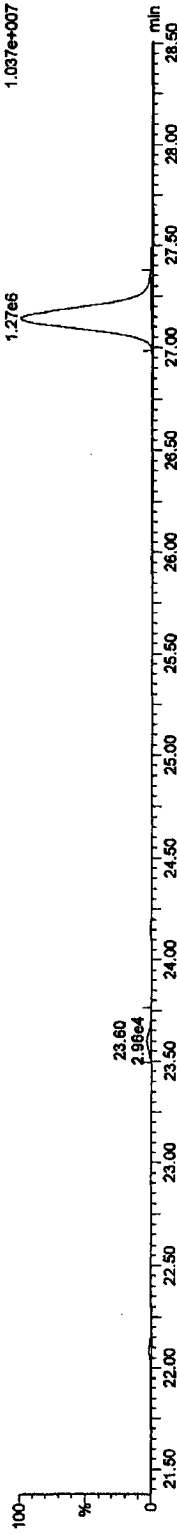
Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

PeCDFs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

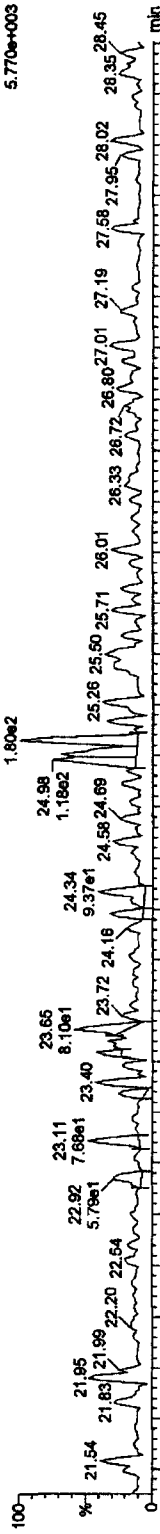


200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

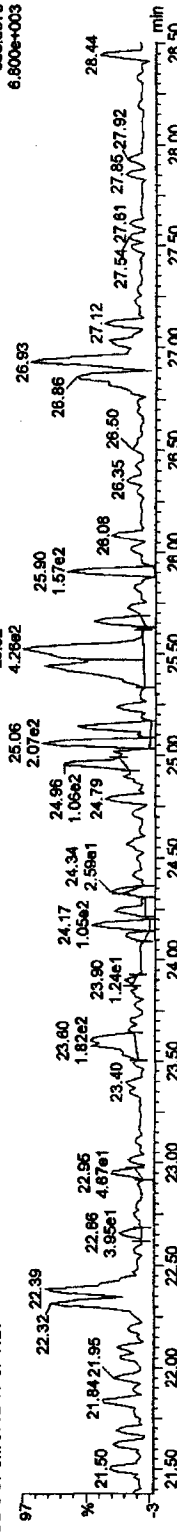


¹³C-PeCDFs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



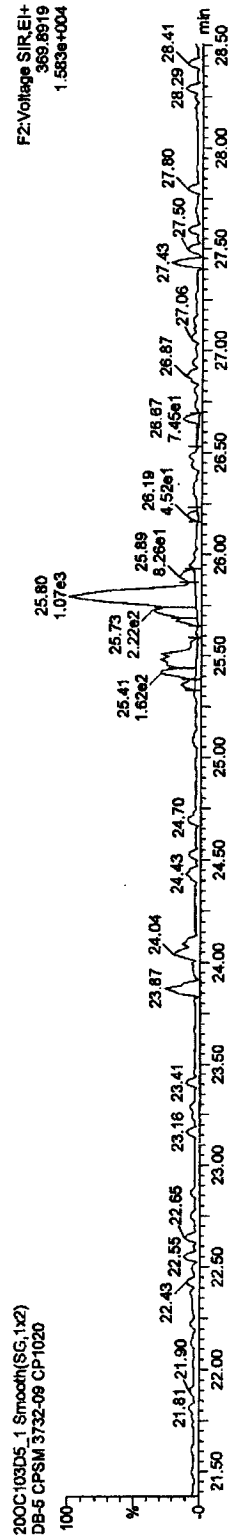
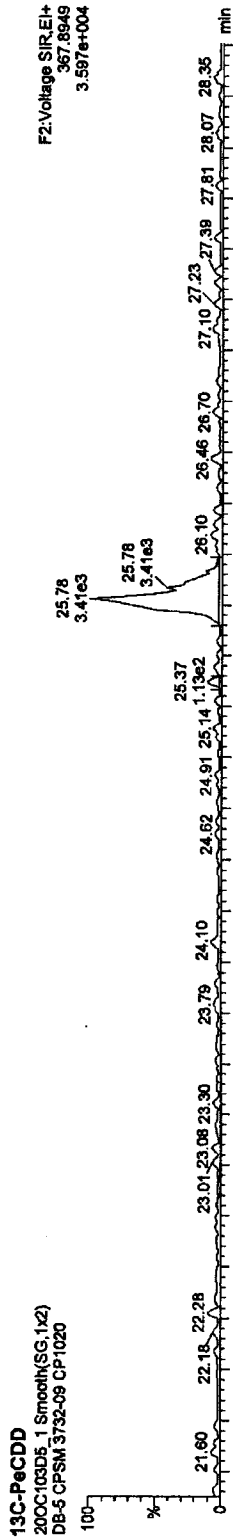
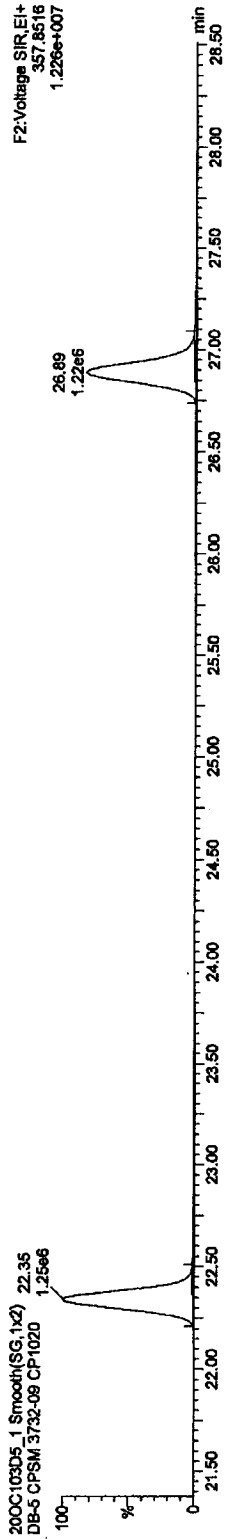
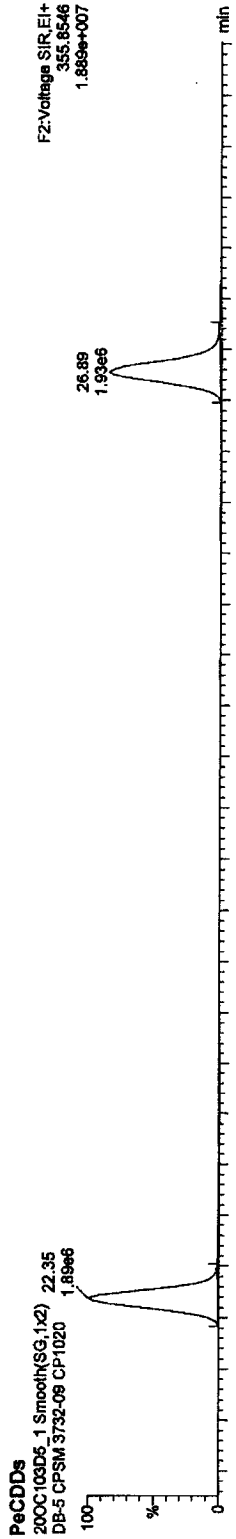
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09



Quantify Sample Report MassLynx 4.1

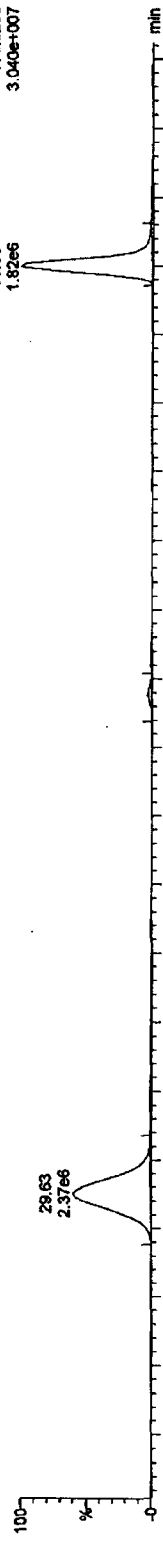
Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CP5M.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

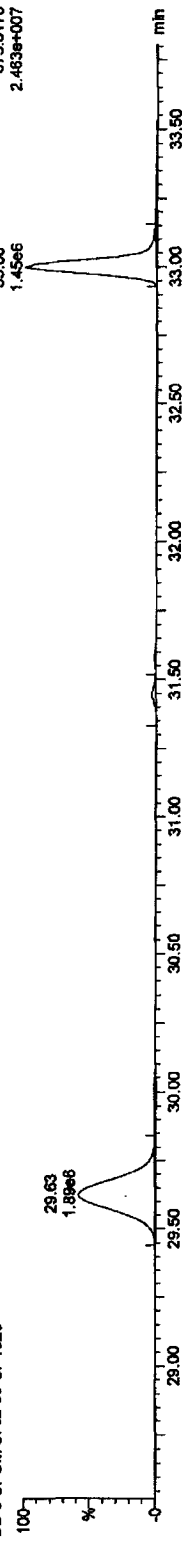
Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

HxCDFs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

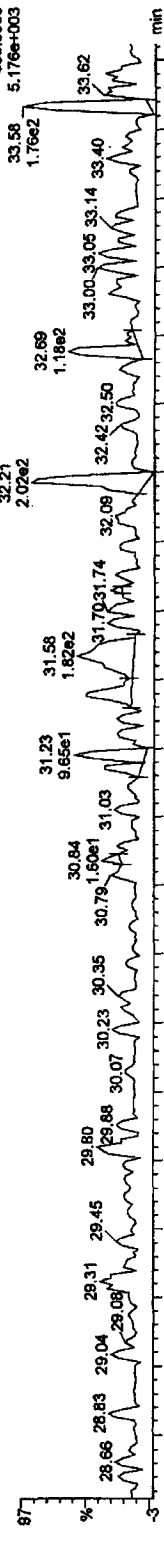


200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

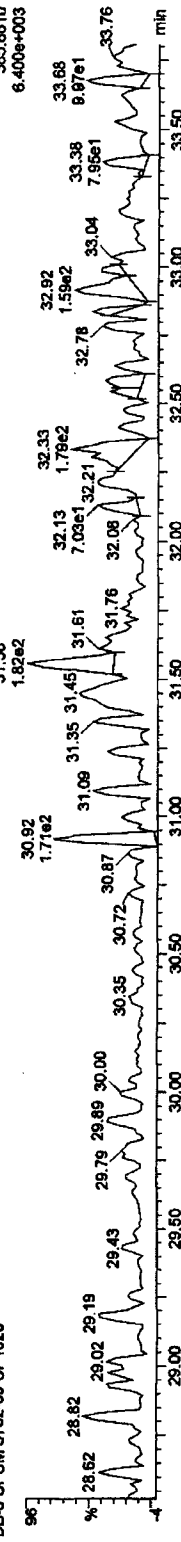


13C-HxCDFs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM.qld

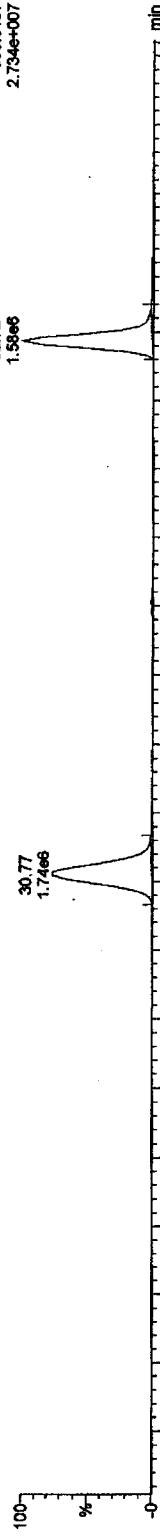
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

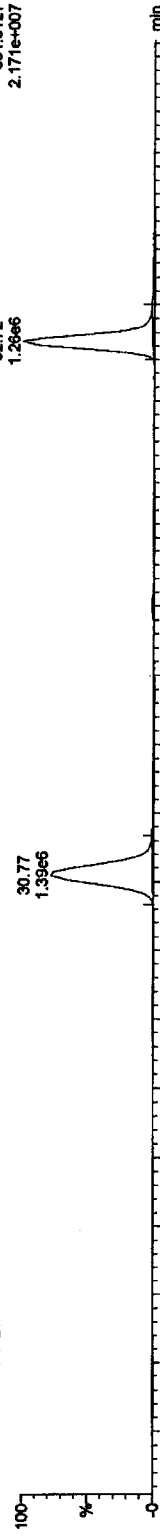
Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

HxCDDs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

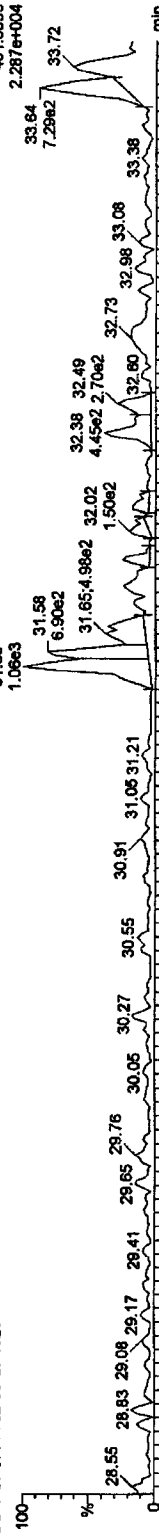


200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

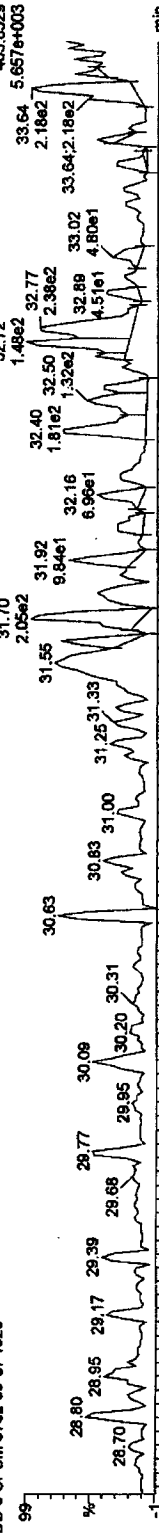


13C-HxCDDs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



Quantify Sample Report MassLynx 4.1

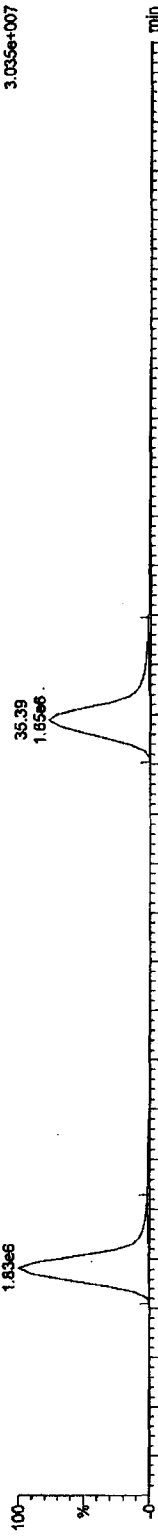
Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

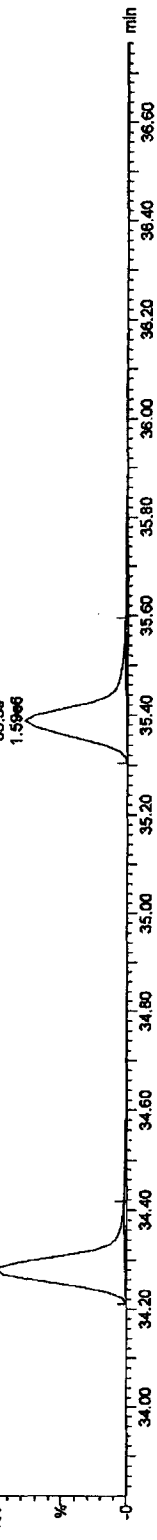
HpCDFs

200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020



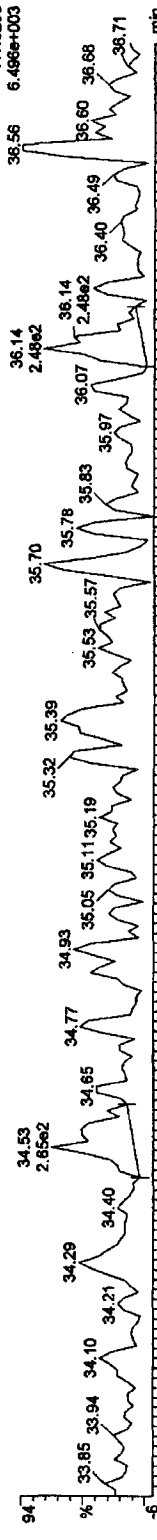
13C-HpCDFs

200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020



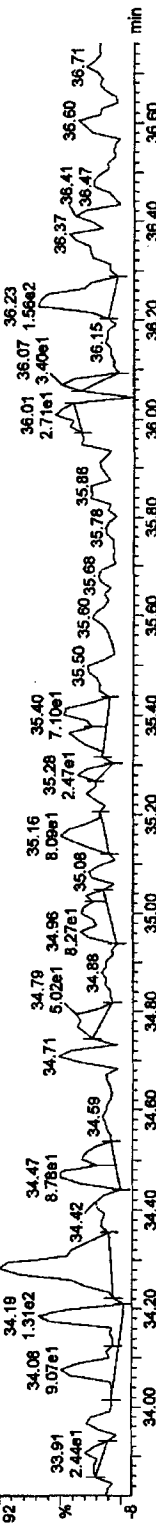
13C-HpCDFs

200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020



13C-HpCDFs

200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020

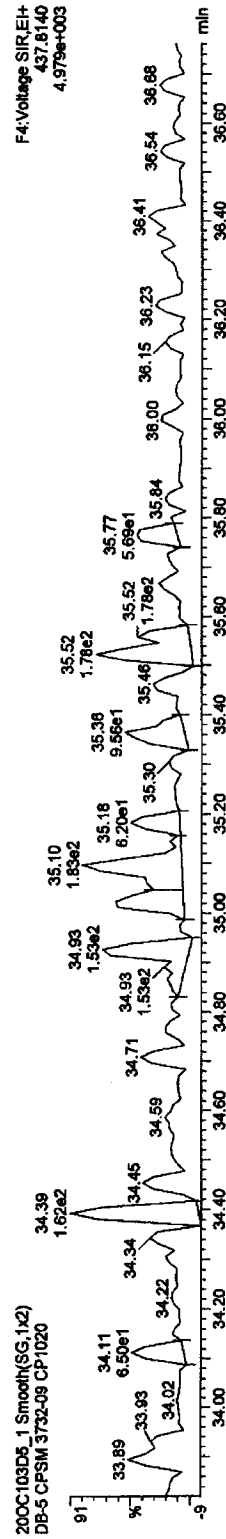
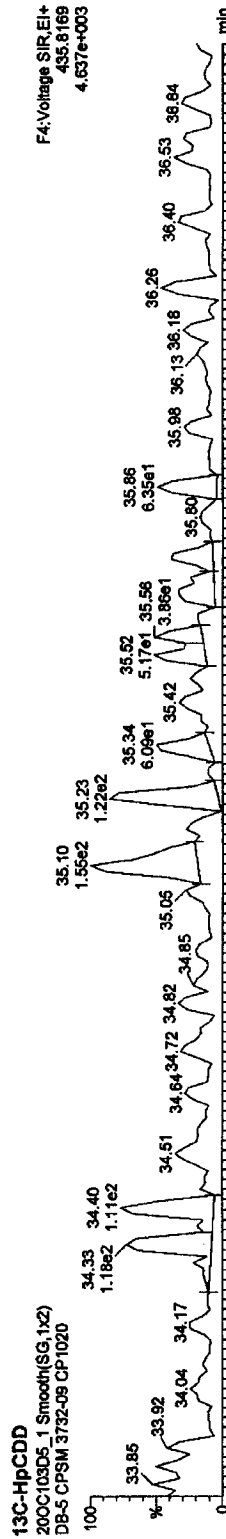
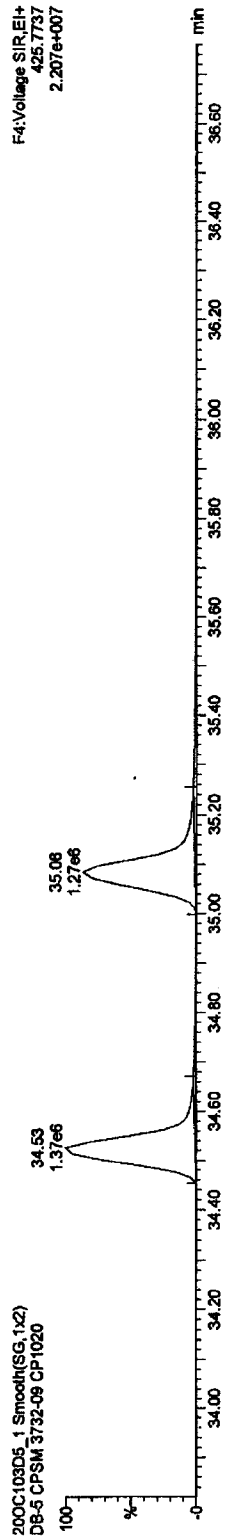
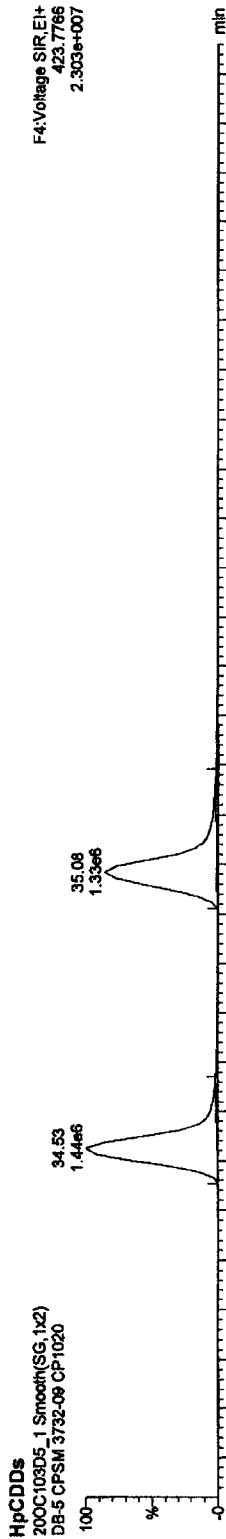


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5\200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PROV200C103D5CPSM.qld

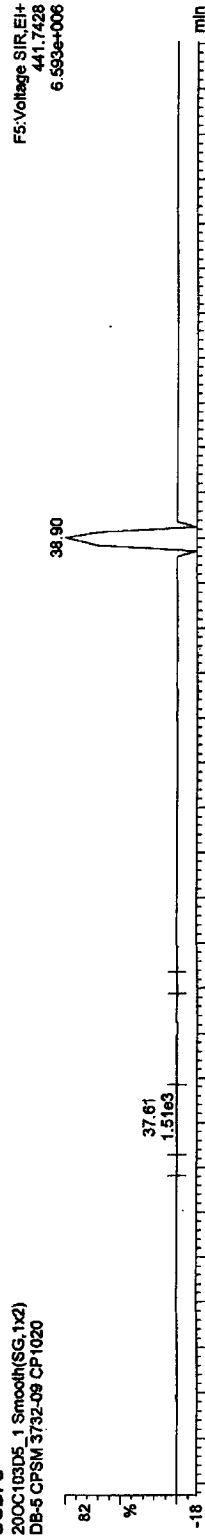
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

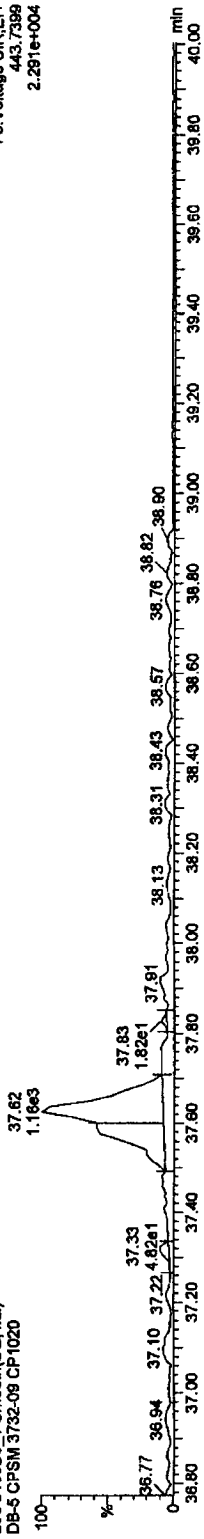
OCDFs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



OCDF PCDPE

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



F5:Voltage SIR,EI+
441.7428
6.593e+006

F5:Voltage SIR,EI+
443.7389
2.261e+004

F5:Voltage SIR,EI+
513.67750
3.435e+003

Quantify Sample Report MassLynx 4.1

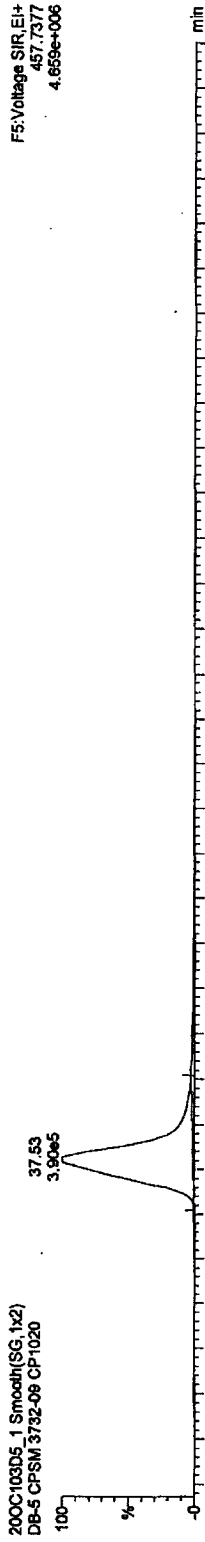
Dataset: C:\MassLynx\UN2010.PRO\200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
 Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

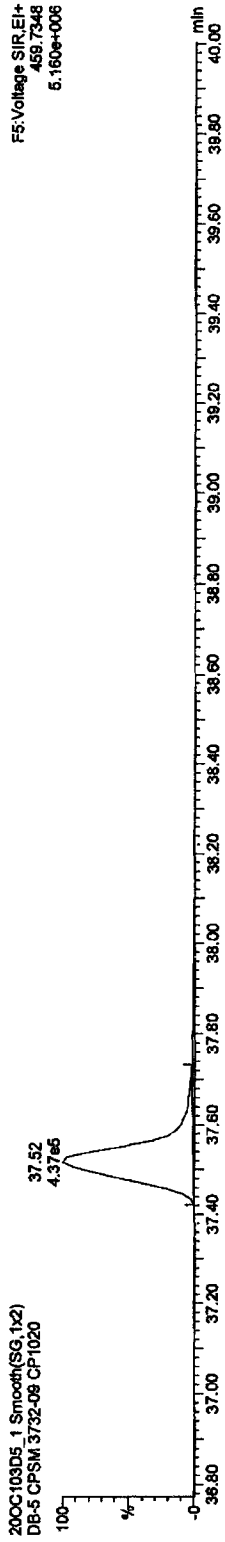
Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

OCDD

200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020

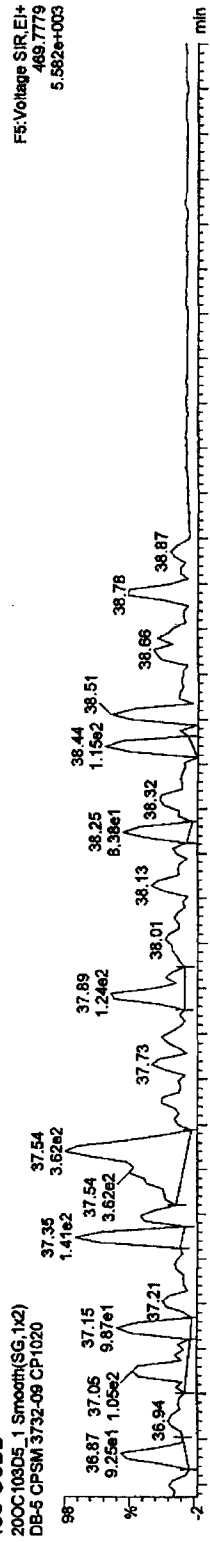


200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020

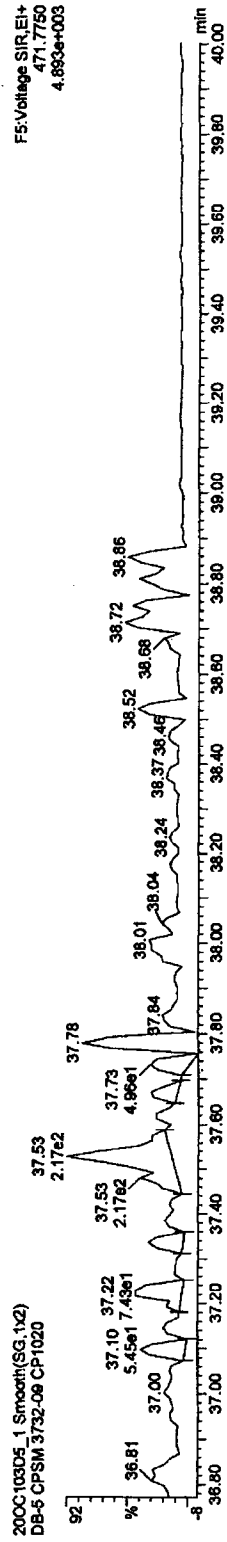


13C-OCDD

200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020



200C103D5_1 Smooth(SG,1x2)
 DB-5 CPSM 3732-09 CP1020



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5\CP1020\200C103D5CPSM.qld

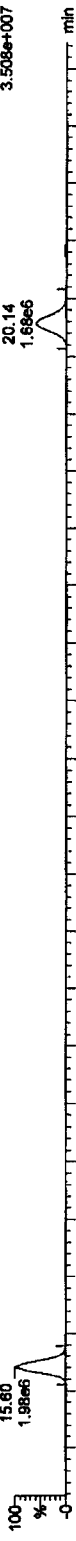
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

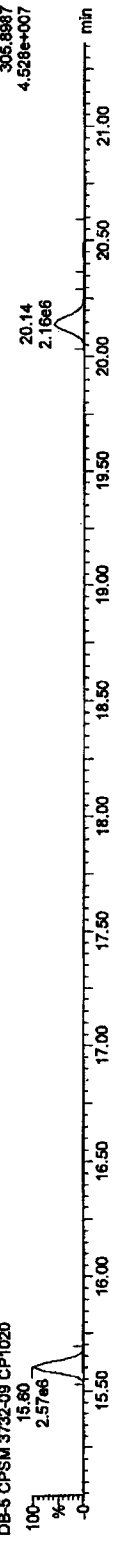
TCDFs

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



F1:Voltage SIR,EI+
303.9016
3.508e+007

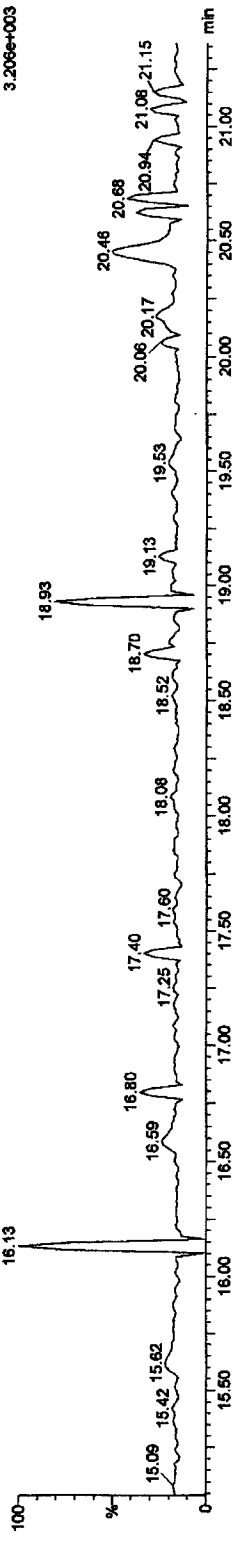
200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



F1:Voltage SIR,EI+
305.8867
4.528e+007

TCDF PCDPE

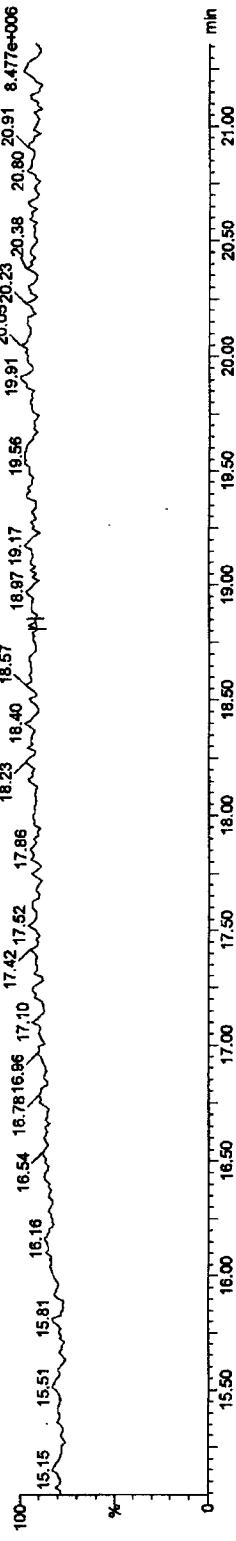
200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



F1:Voltage SIR,EI+
375.6364
3.206e+003

Function 1 PFK

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020



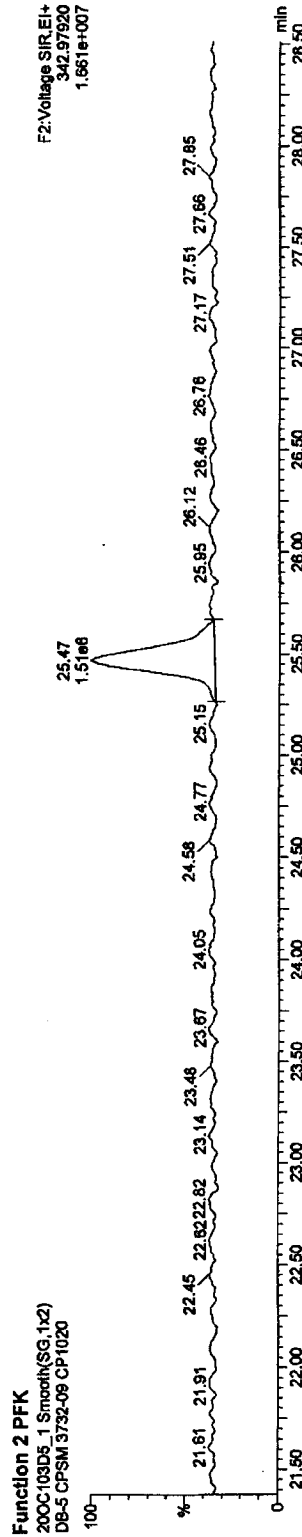
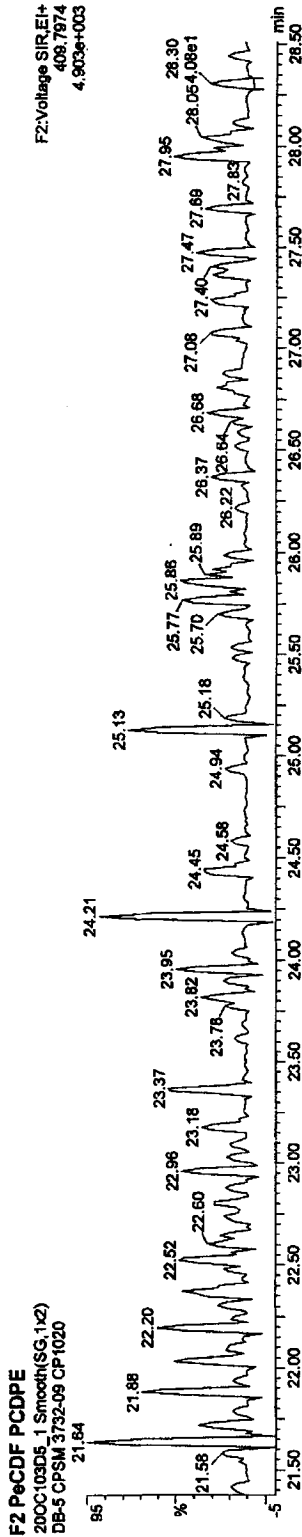
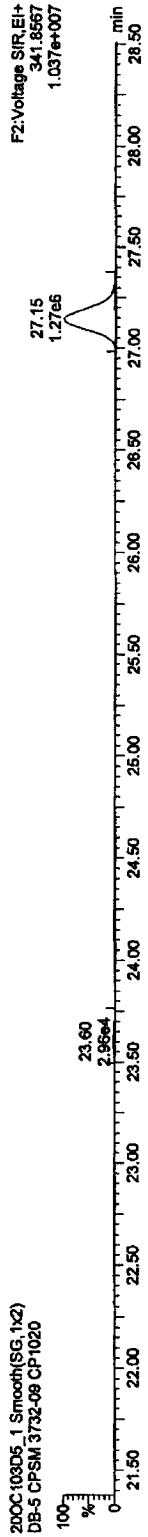
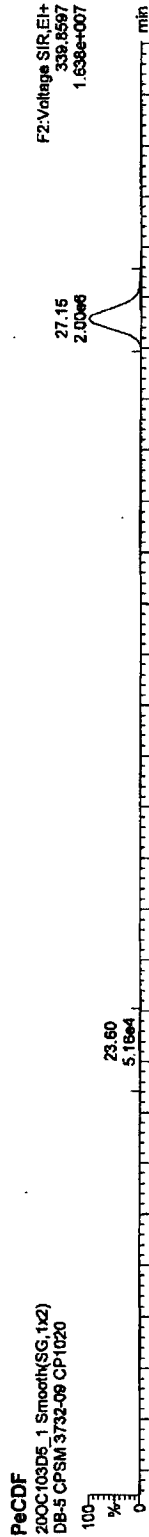
F1:Voltage SIR,EI+
330.97920
8.477e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\200C103D5\CP1020

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09



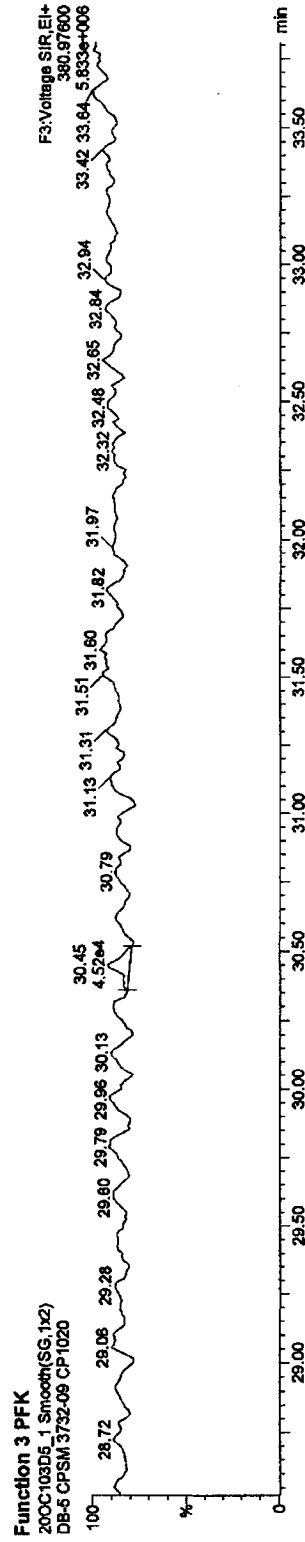
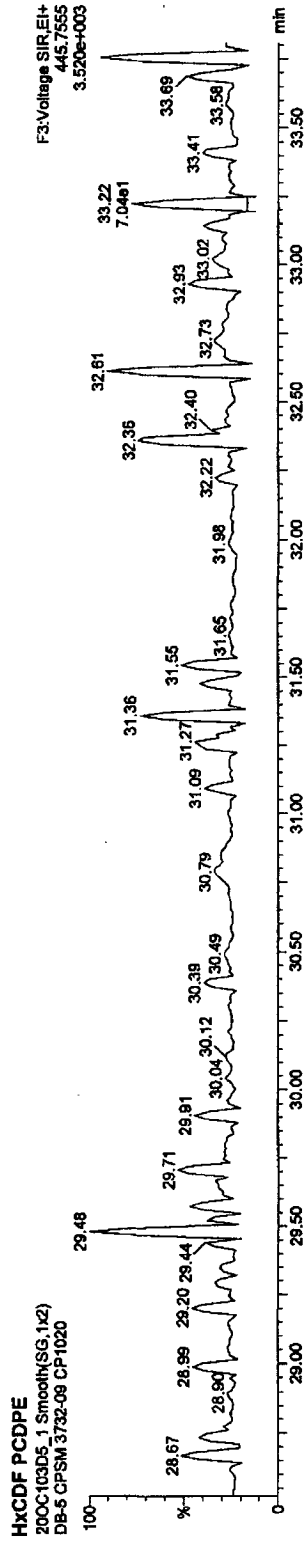
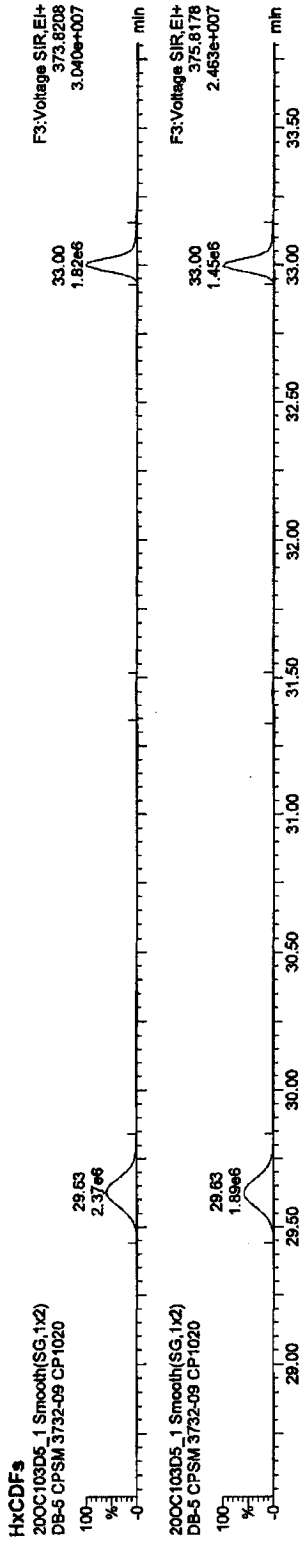
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

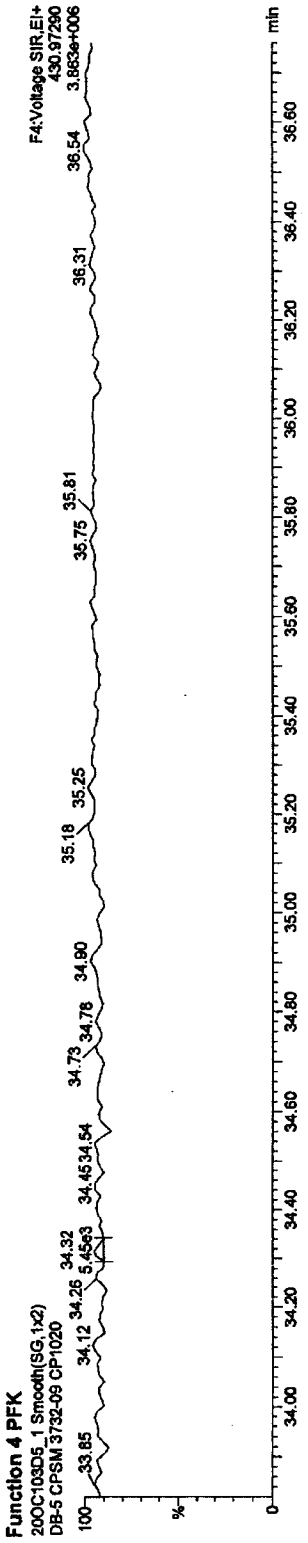
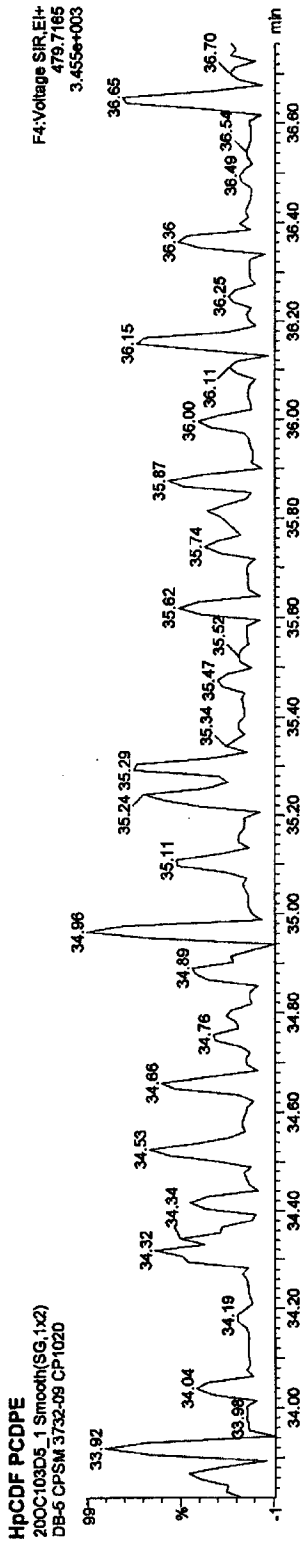
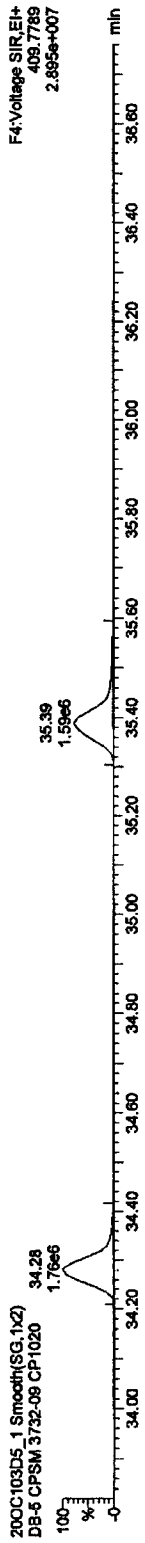
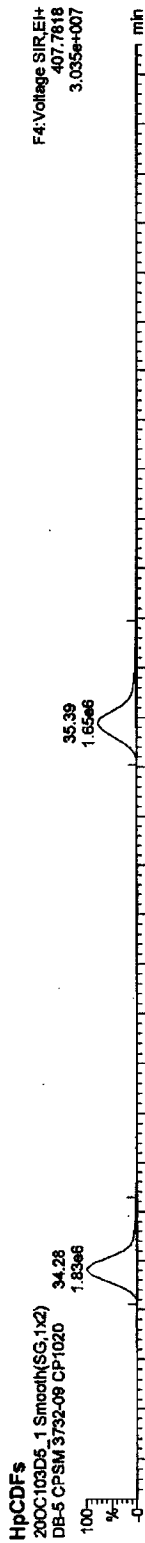


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PROJ200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\UAN2010.PRO\200C103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time

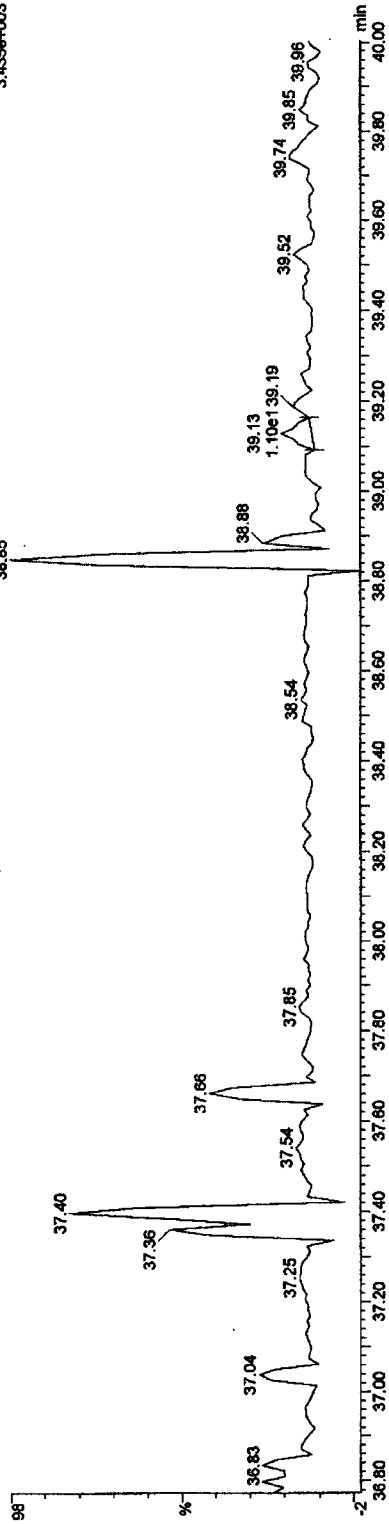
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 200C103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

OCDF PCDPE

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

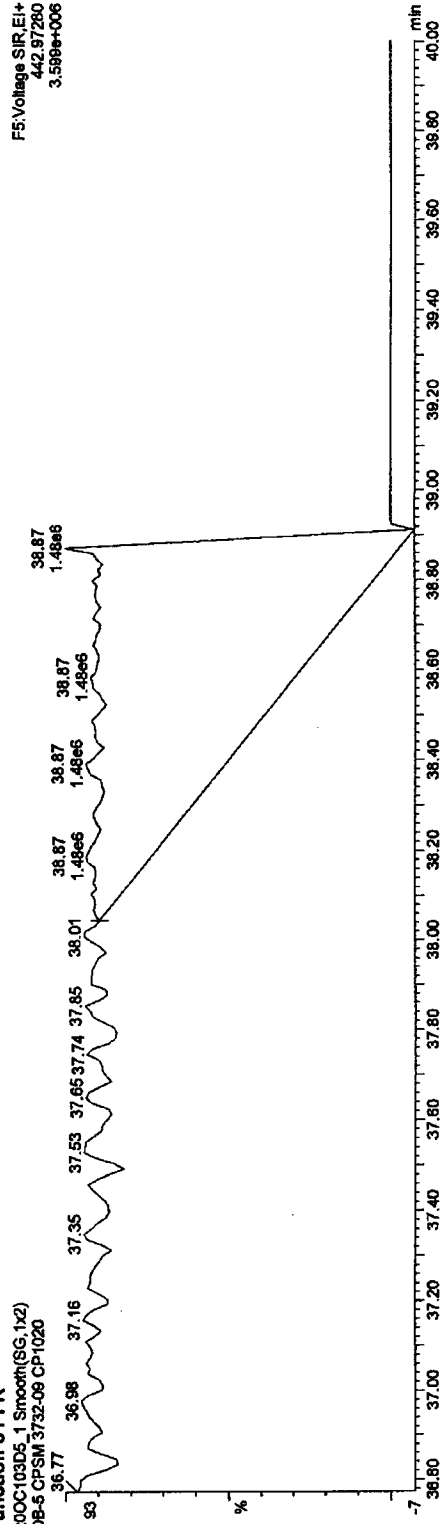
F5:Voltage SIR,EI+
513.67750
3.435e+003



Function 5 PFK

200C103D5_1 Smooth(SG,1x2)
DB-5 CPSM 3732-09 CP1020

F5:Voltage SIR,EI+
442.67280
3.586e+006



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5\CPISM2.qld

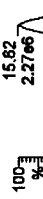
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\Meth\DB16133D5.mdb 18 Oct 2010 15:35:16
Calibration: C:\MassLynx\JAN2010.PRO\Curve\B\ICA1020103D51613.cdb 20 Oct 2010 15:22:51

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

TCDFs

200C103D5_8 Smooth(SG,1x2)
DB-5 CPSM 3732-08 CP1020A



200C103D5_8 Smooth(SG,1x2)
DB-5 CPSM 3732-08 CP1020A



F1 PeCDF PCDPE

200C103D5_8 Smooth(SG,1x2)
DB-5 CPSM 3732-08 CP1020A



Function 1 PFK

200C103D5_8 Smooth(SG,1x2)
DB-5 CPSM 3732-08 CP1020A



F1: Voltage SIR, EI+
303.9016
4.016e+007

F1: Voltage SIR, EI+
305.8987
5.159e+007

F1: Voltage SIR, EI+
409.79740
3.798e+003

F1: Voltage SIR, EI+
830.97920
21.20_1.012e+007

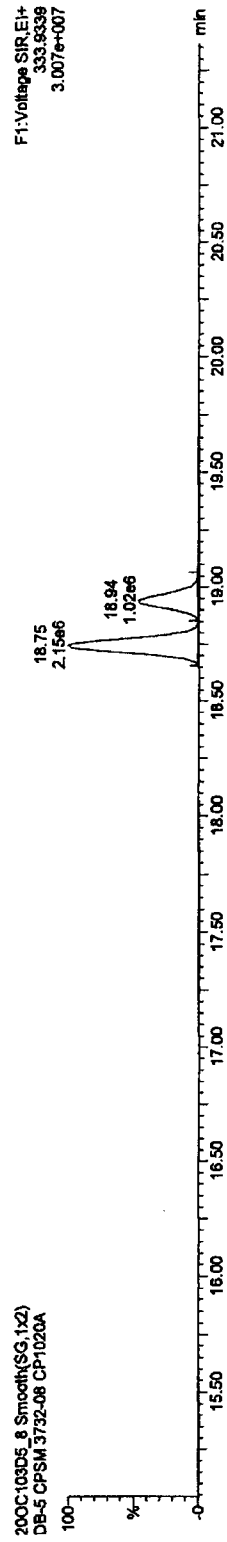
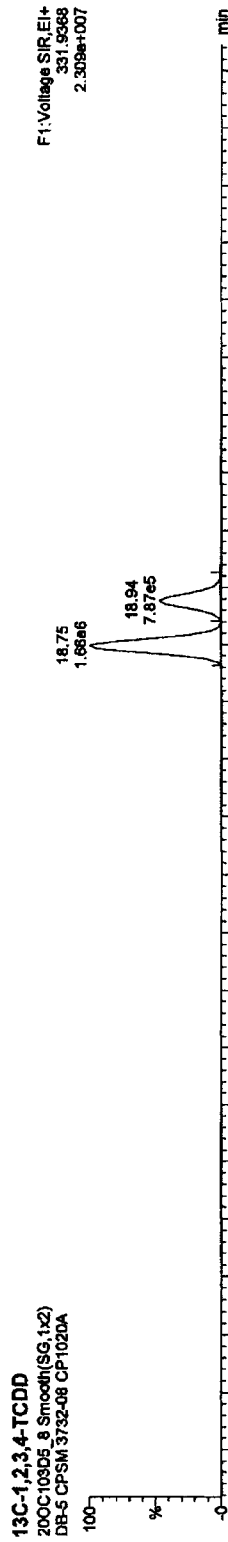
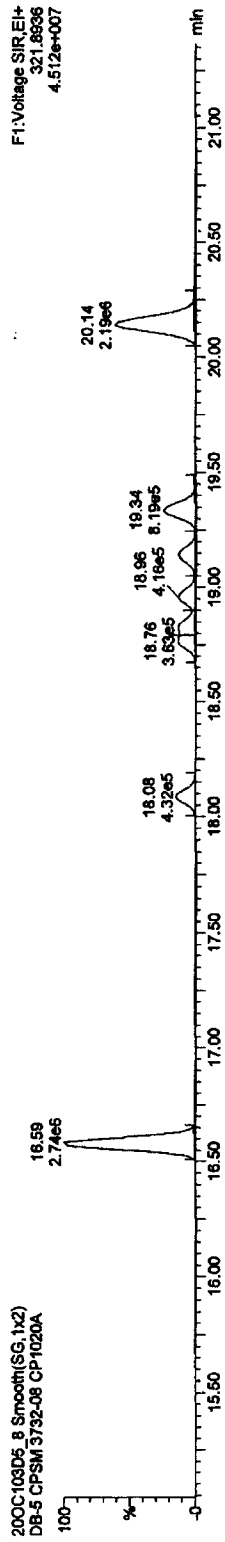
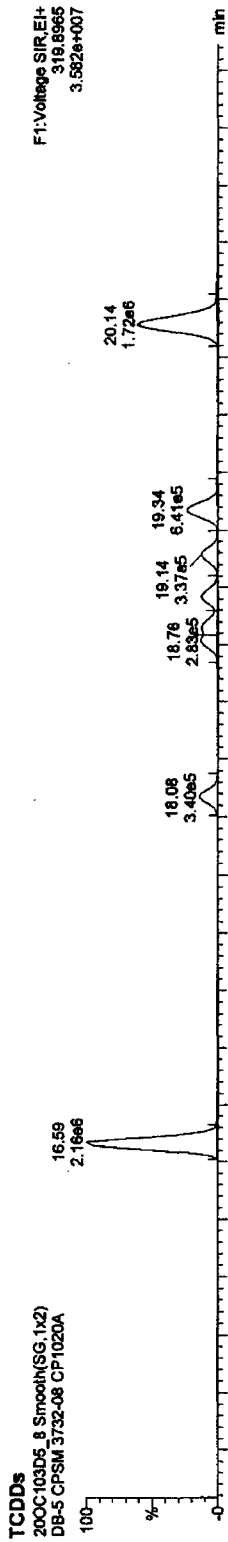
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP-1020A, Description: DB-5 CPSM 3732-08



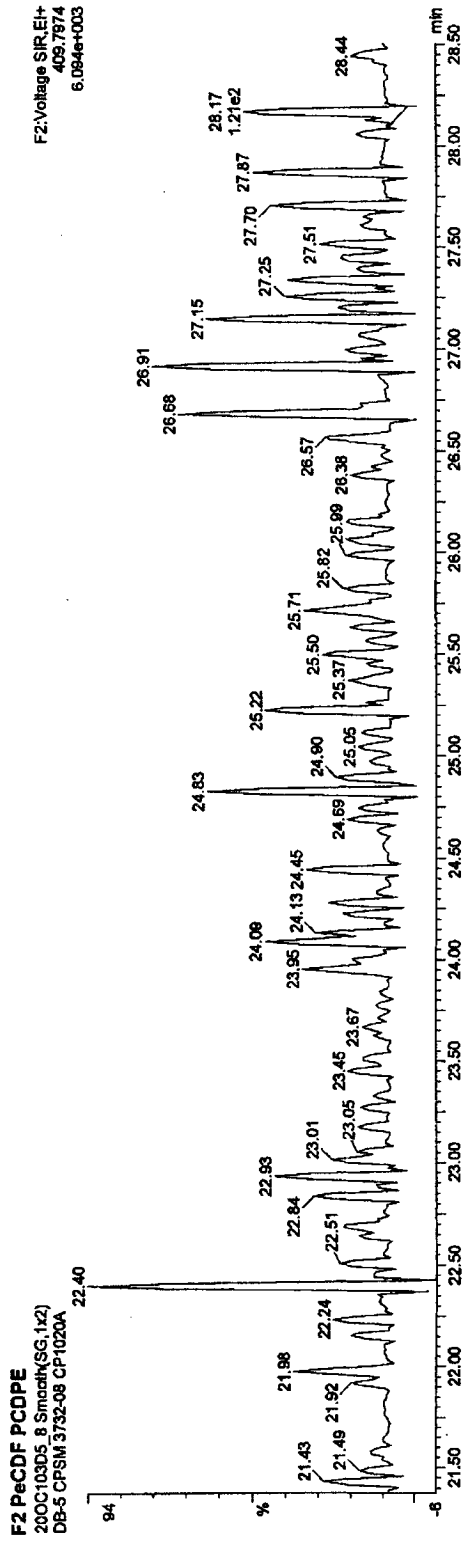
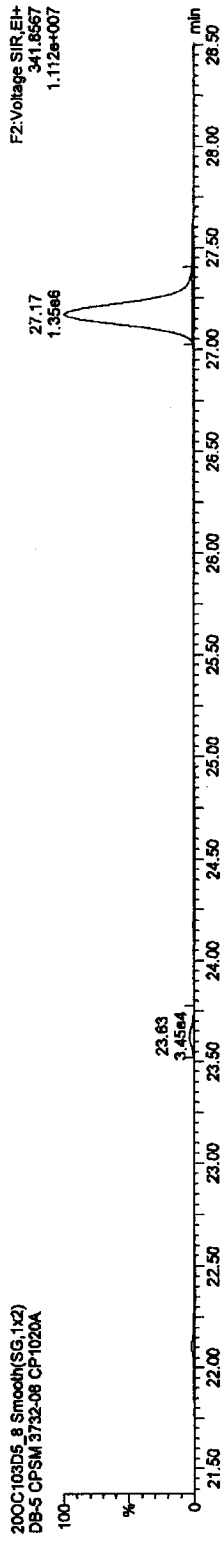
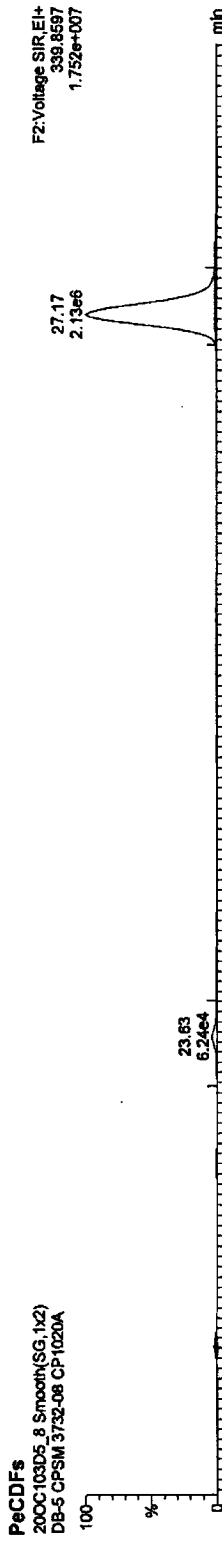
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08



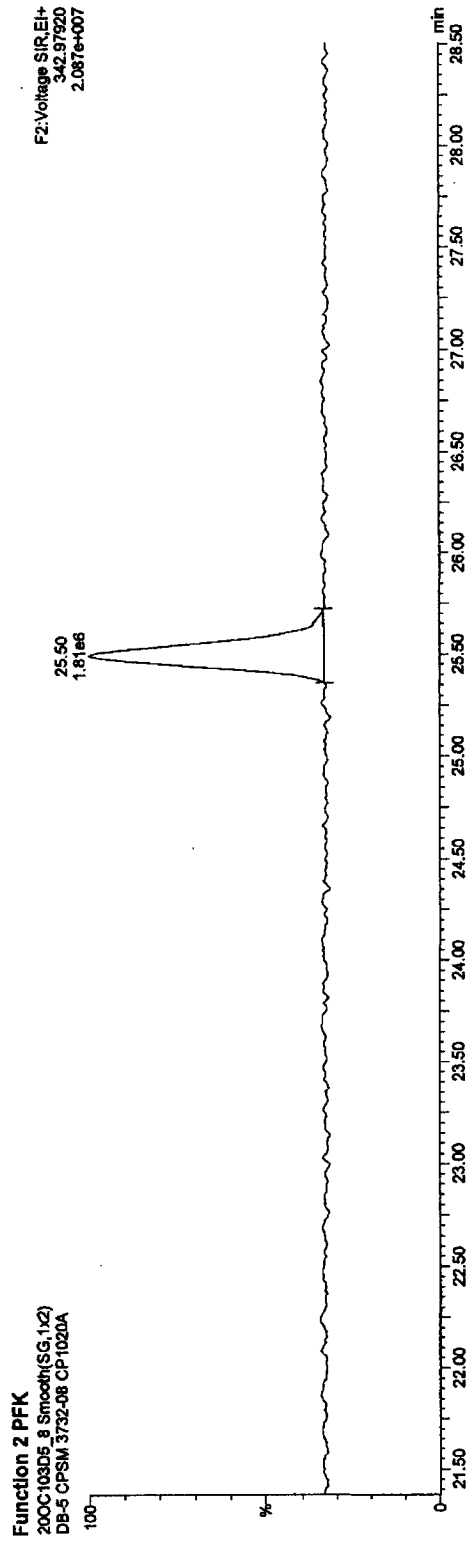
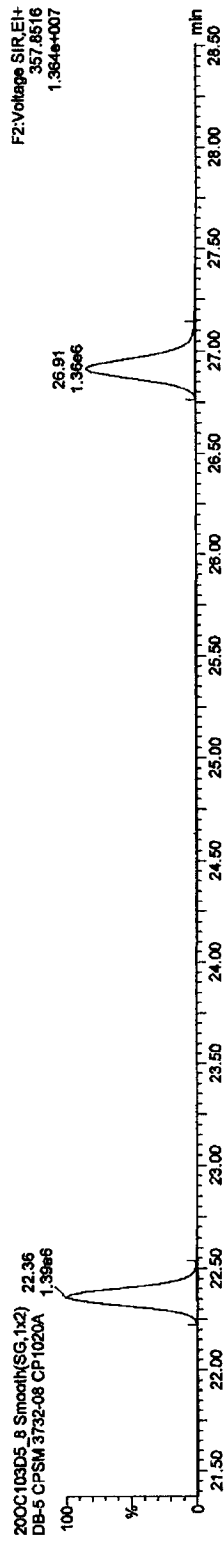
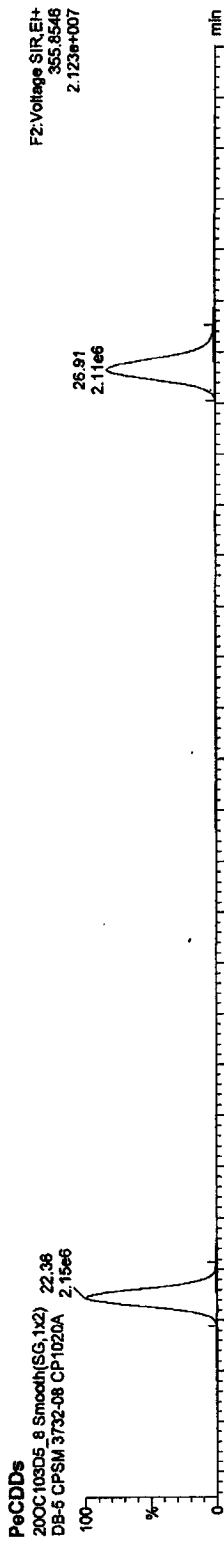
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5CPSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08



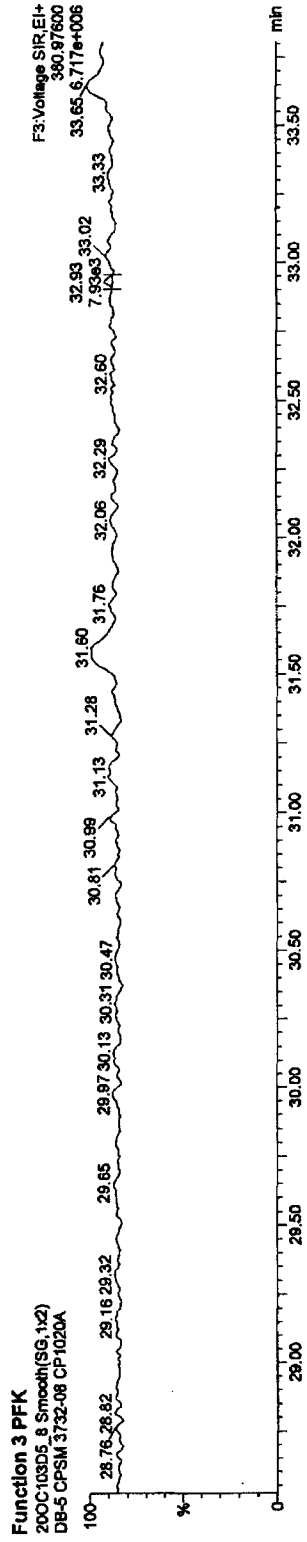
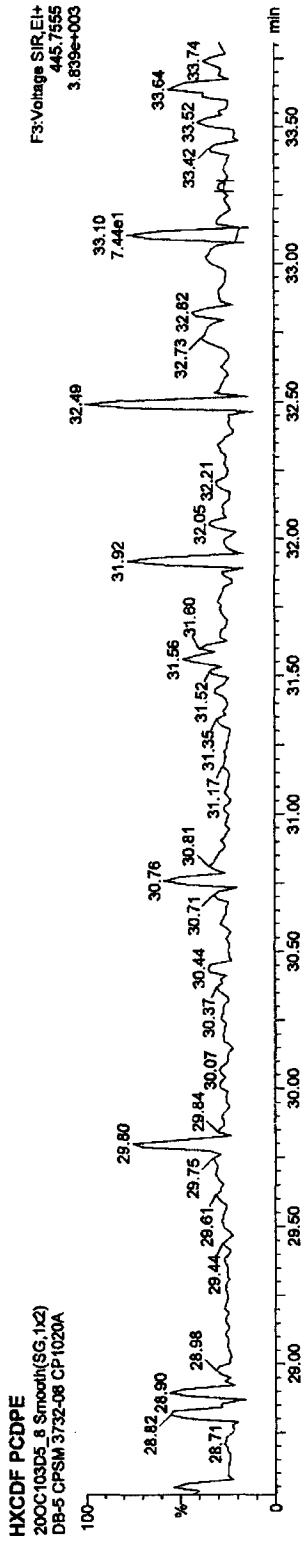
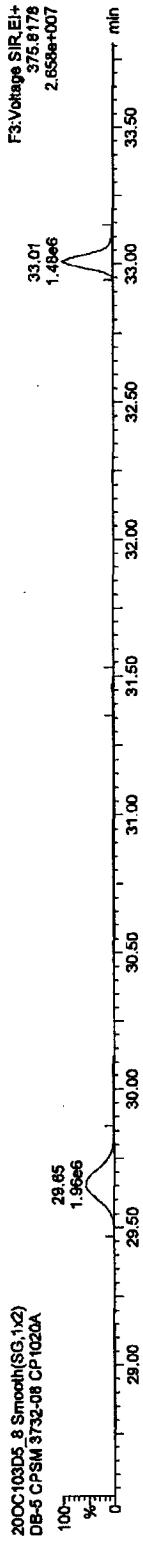
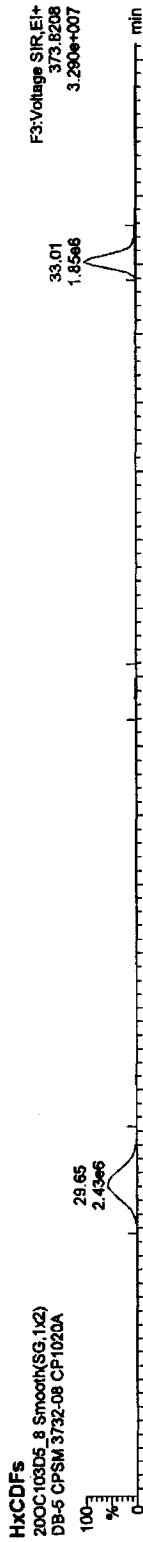
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\LAN2010.PRO\200C103D5\CP5PSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08



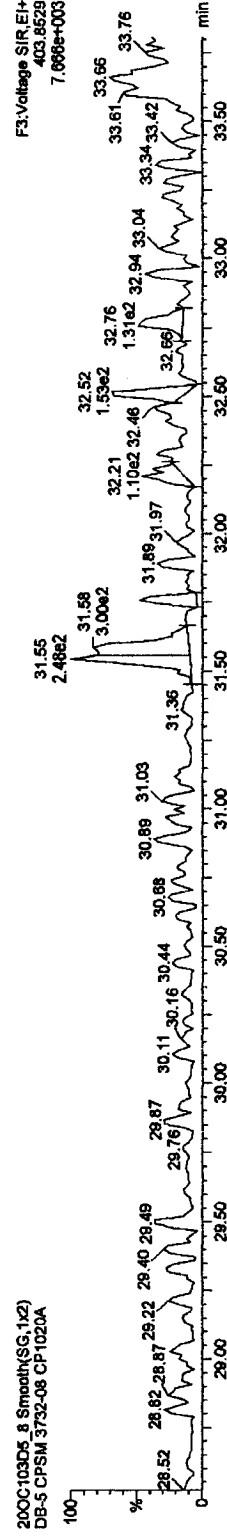
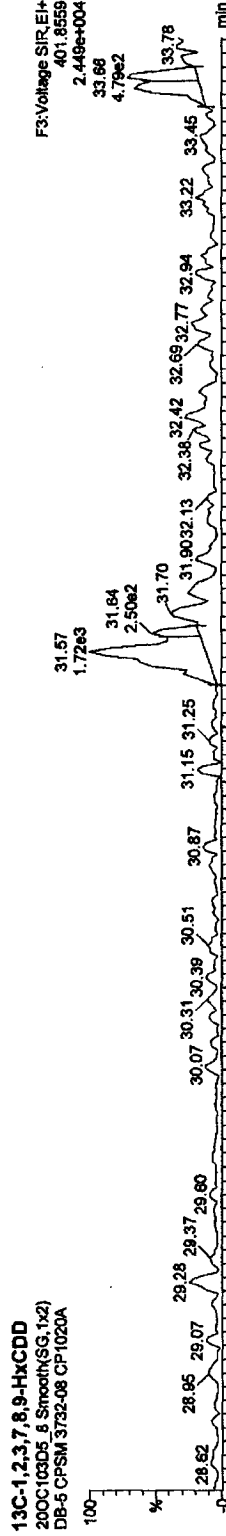
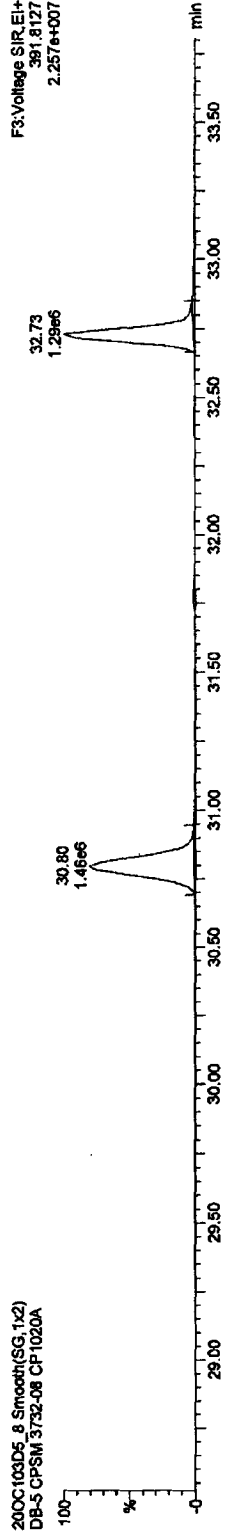
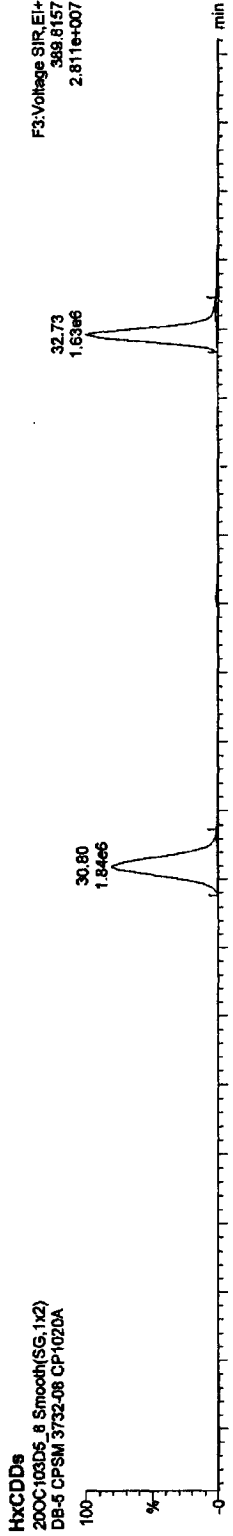
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5\CP1020A

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

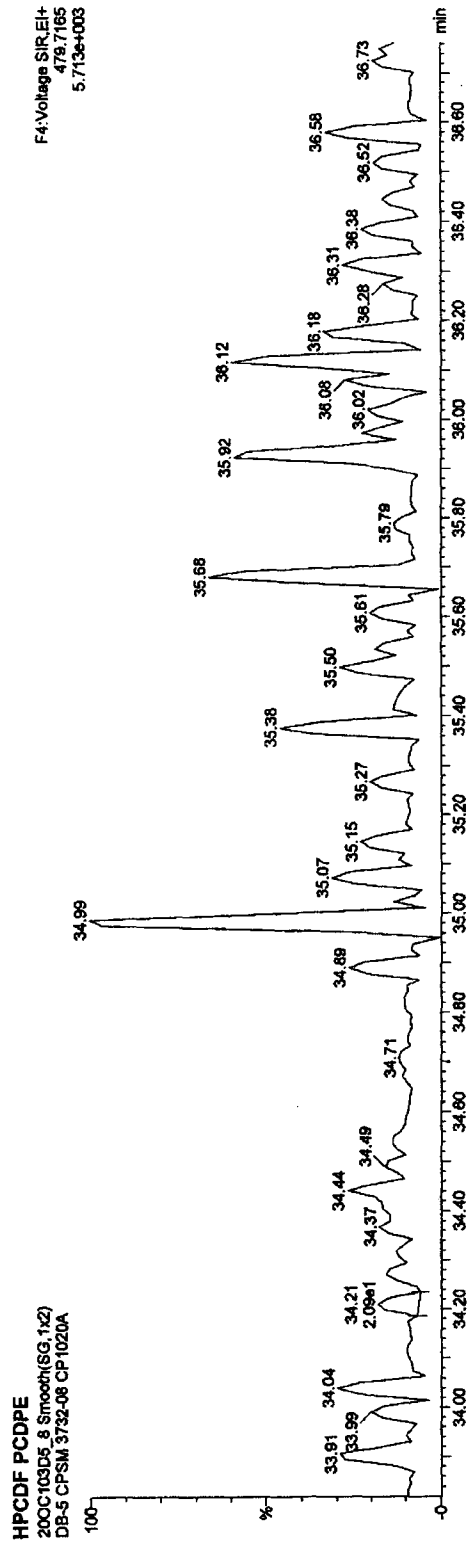
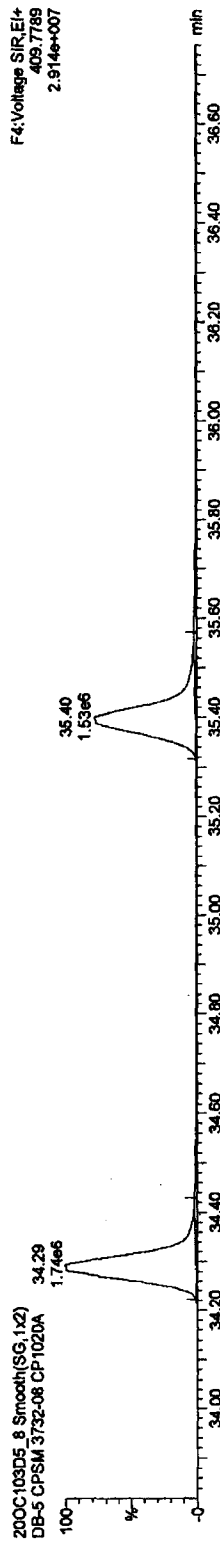
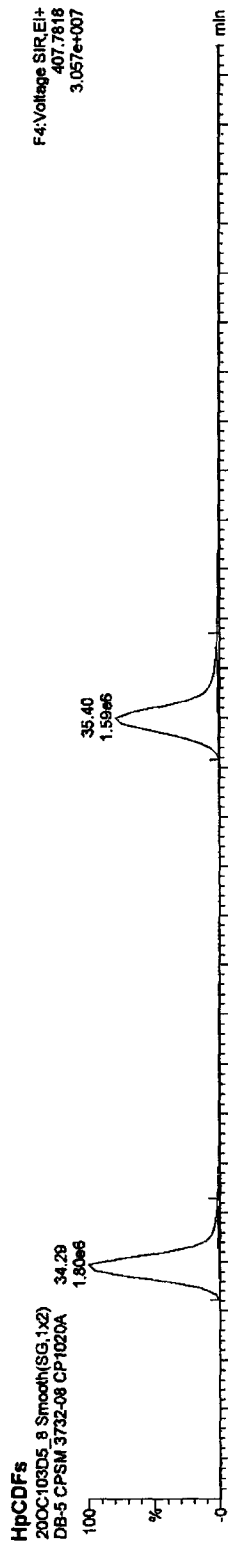


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

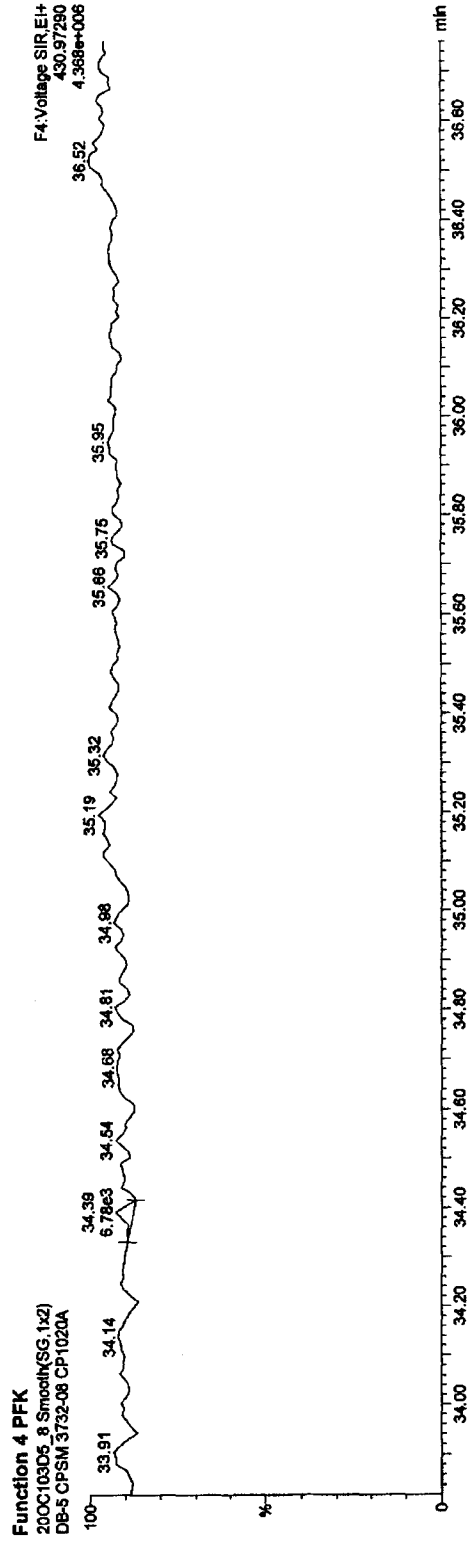
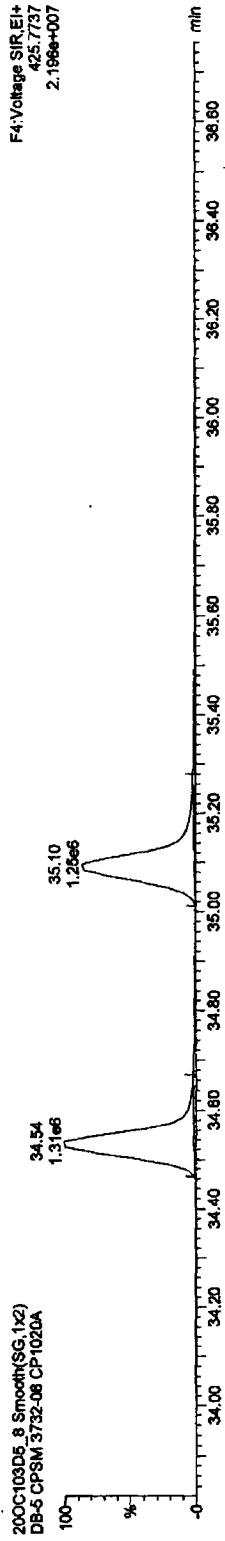
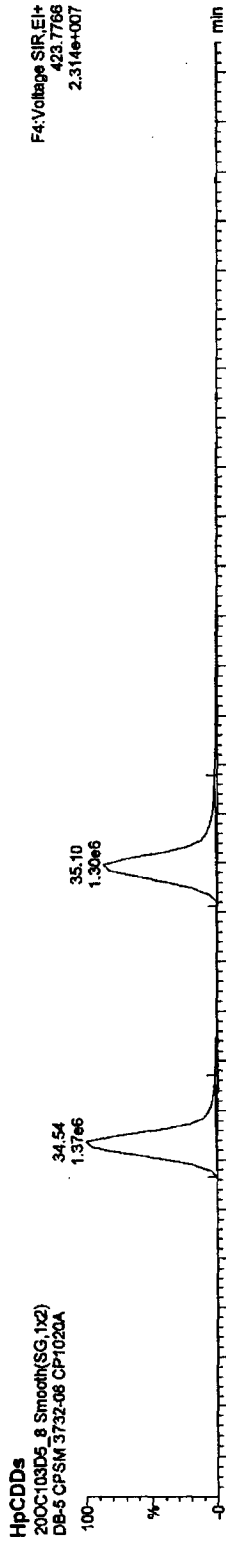


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010\PRO\200C103D5\CP1020A.qid

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08



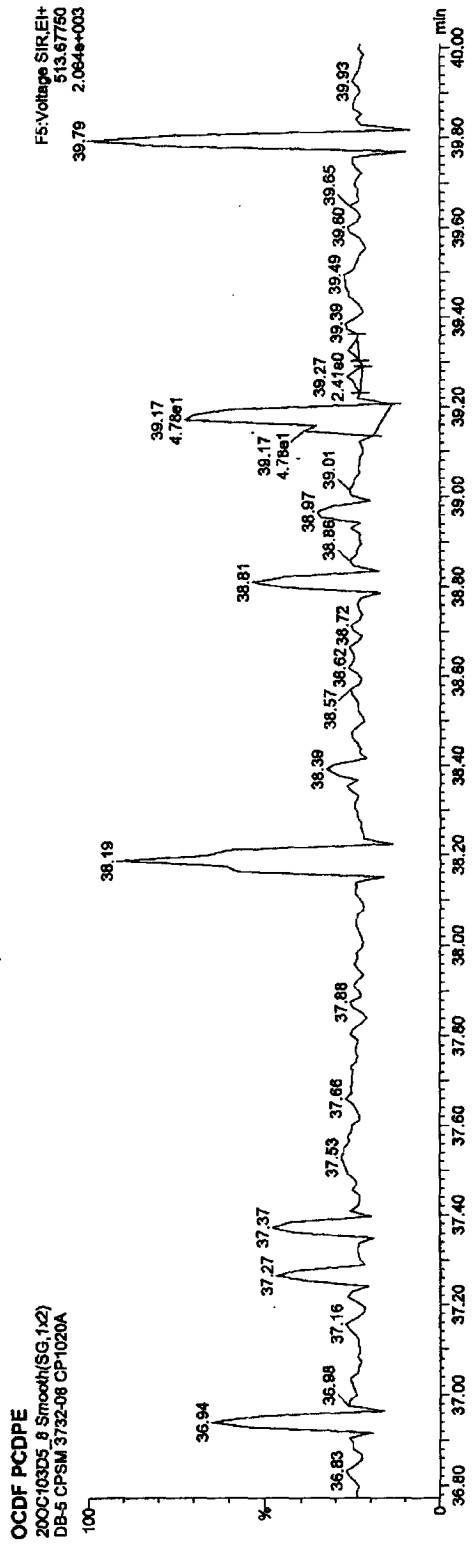
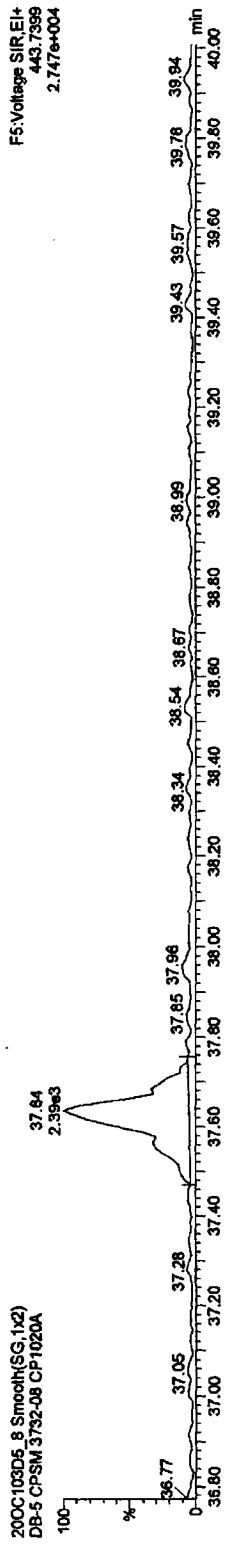
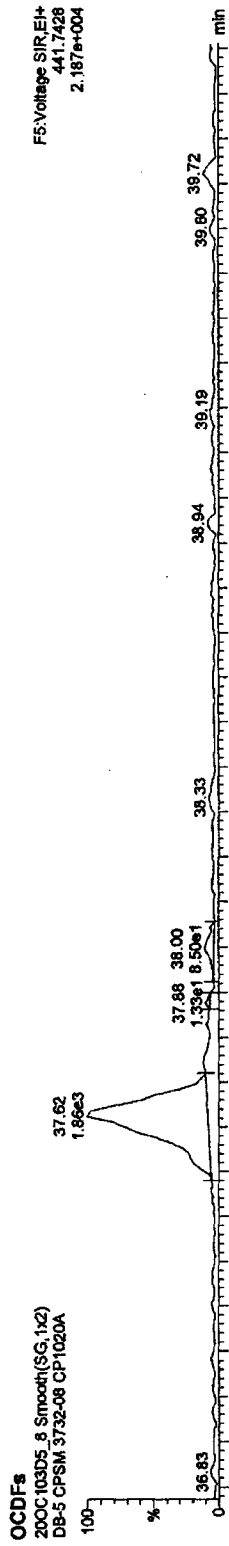
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

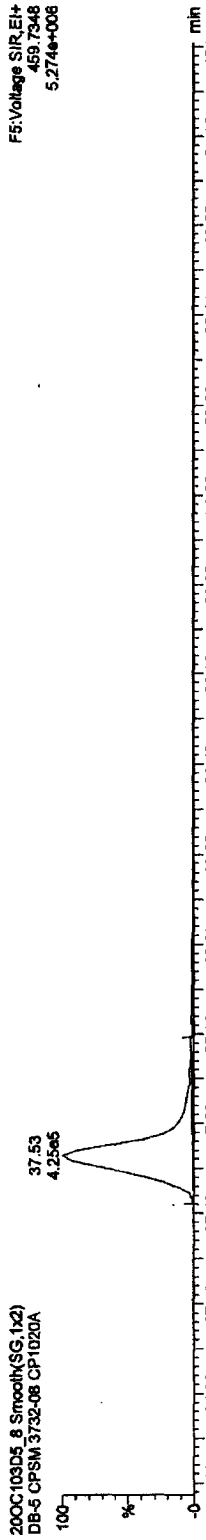
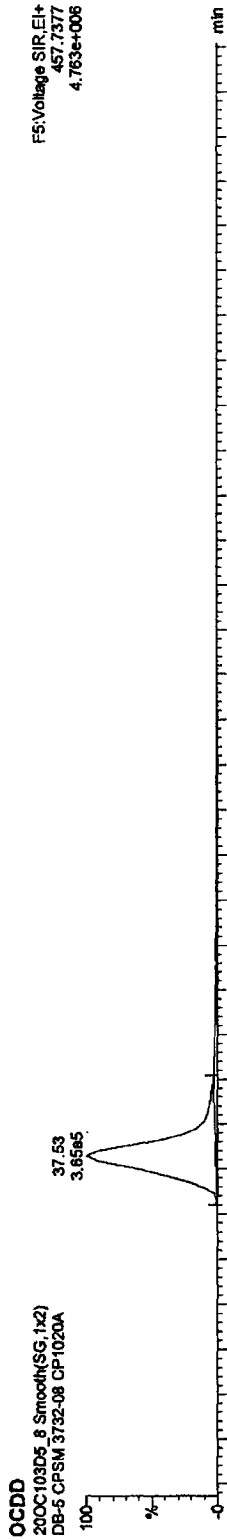


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\200C103D5CPSM2.qld

Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time

Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 200C103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

Initial Calibration Checklist Dioxin Methods

ICAL ID (DB225, DB225AIR) 1214105D2

Method ID 1613B, 8290, TO9, 23, 0023A Date Scanned _____

Column ID DB225 Instrument ID 5D2

STD ID's ST1214, ST1214A → D STD Solution 10DXN (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: 290C10B5D2 Analyte: DB225AIR Cal: DB225AIR1214105D2
 ST1214 : 10DXN503 CS11214 KSS ST1214A : 10DXN504 CS21214A ST1214B : 10DXN505 CS31414B
 ST1214C : 10DXN506 CS41214C ST1214D : 10DXN507 CS51214D

Name	Mean	S. D.	%RSD	14DE10B5D214DE10B5D214DE10B5D214DE10B5D214DE10B5D2											
				S3	S4	S5	S6	S7	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
37C1-2,3,7,8-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
37C1-2,3,7,8-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

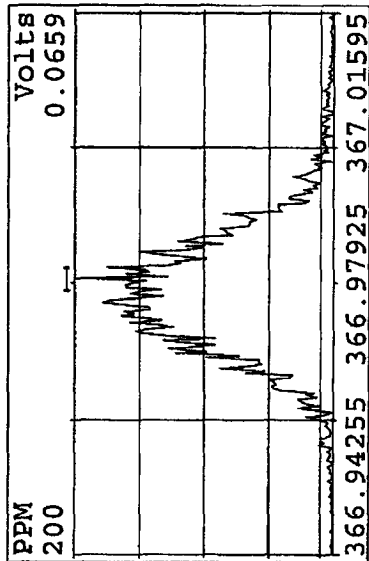
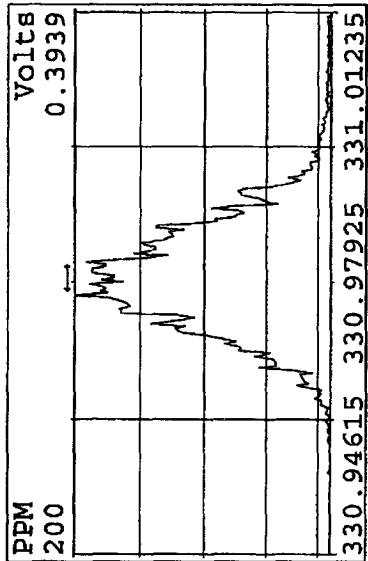
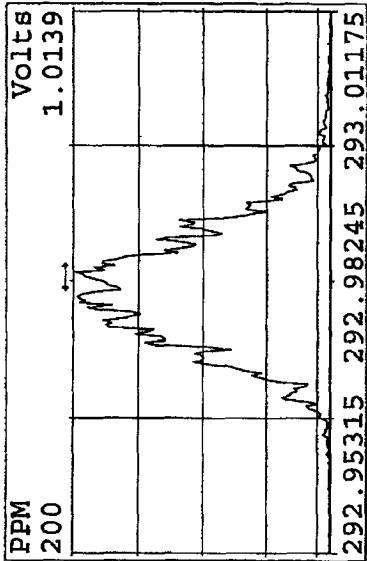
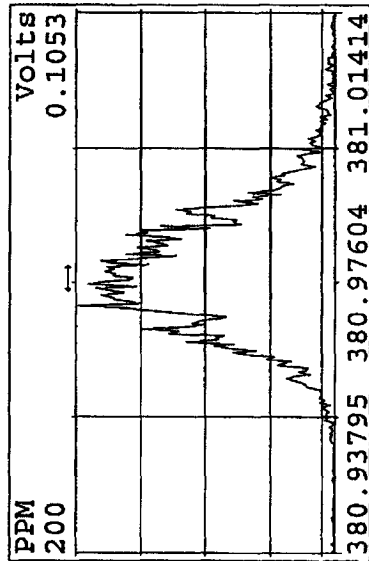
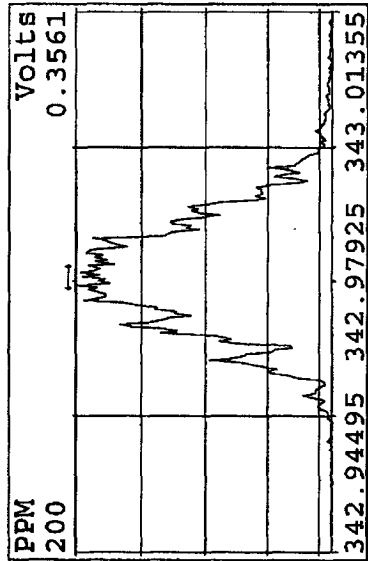
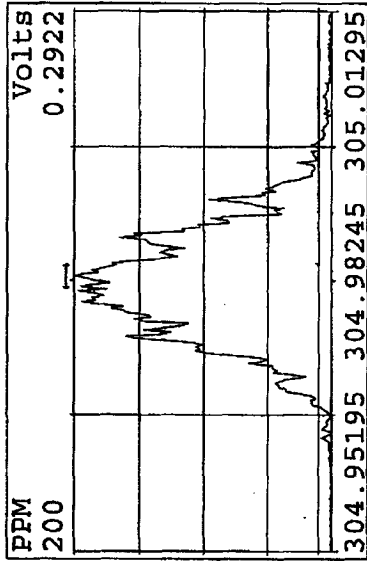
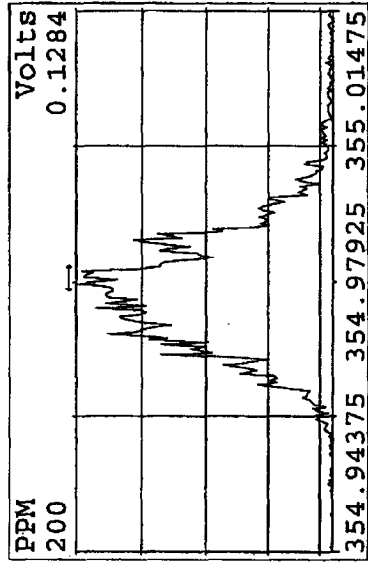
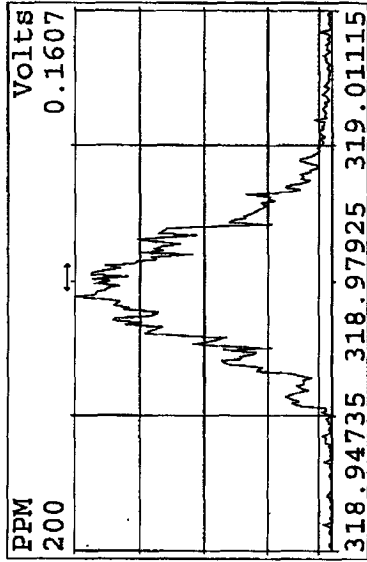
Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	202676800	0.80 y	15:18	-	100.00	n
13C-2,3,7,8-TCDF	393685000	0.80 y	16:31	1.942	100.00	n
2,3,7,8-TCDF	784363000	0.73 y	16:32	0.996	200.00	n
13C-2,3,7,8-TCDD	179577700	0.79 y	14:59	0.886	100.00	n
2,3,7,8-TCDD	533290000	0.79 y	15:00	1.485	200.00	n
37Cl-2,3,7,8-TCDD	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						1.0000	
14DE10B5D2	18						1.0000	

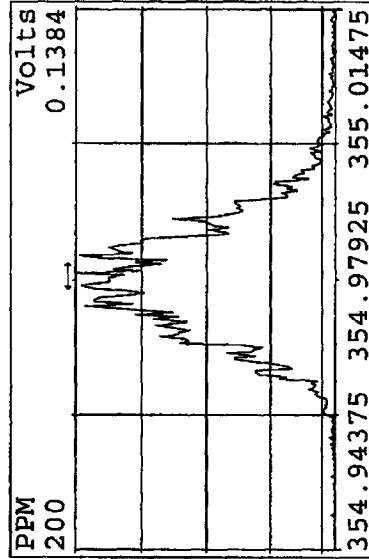
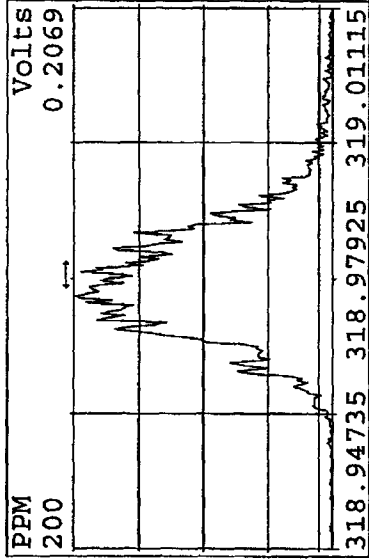
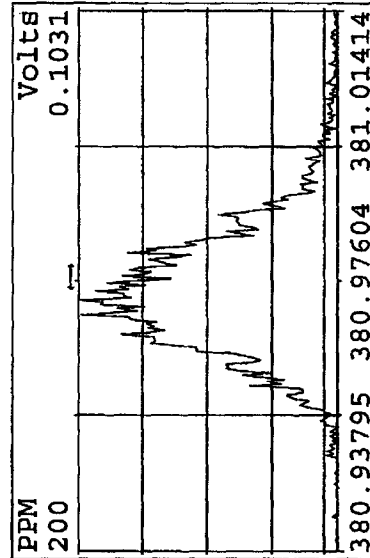
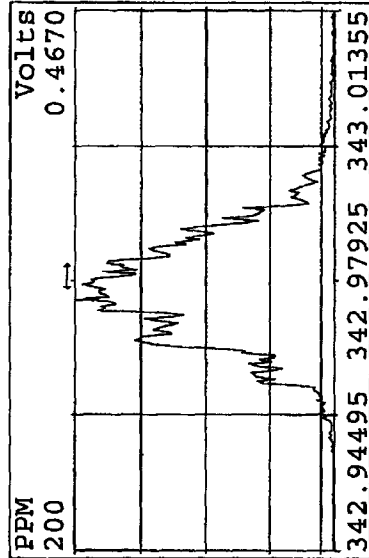
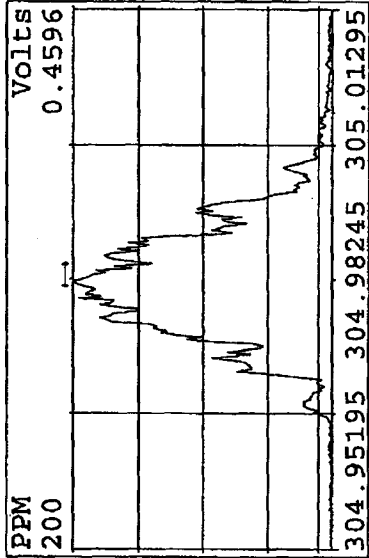
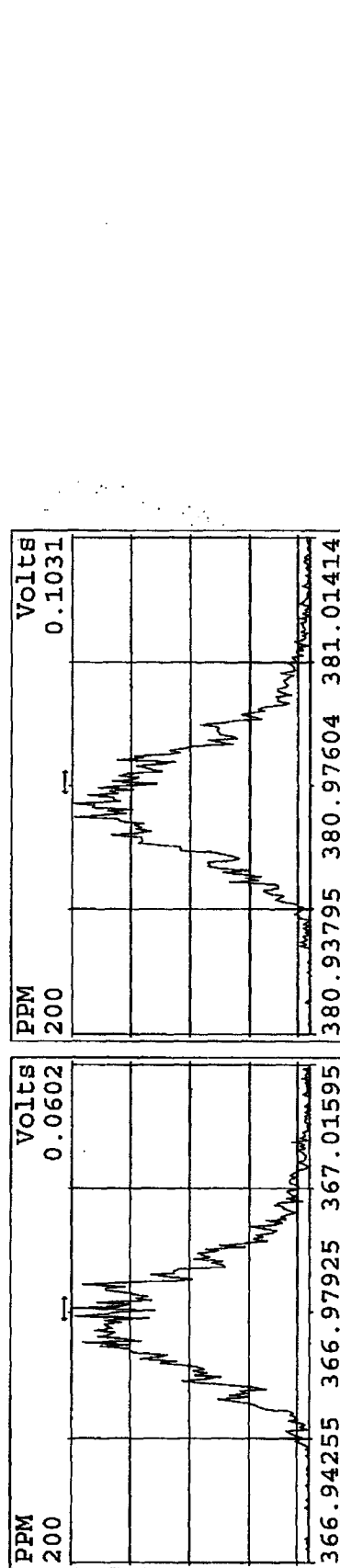
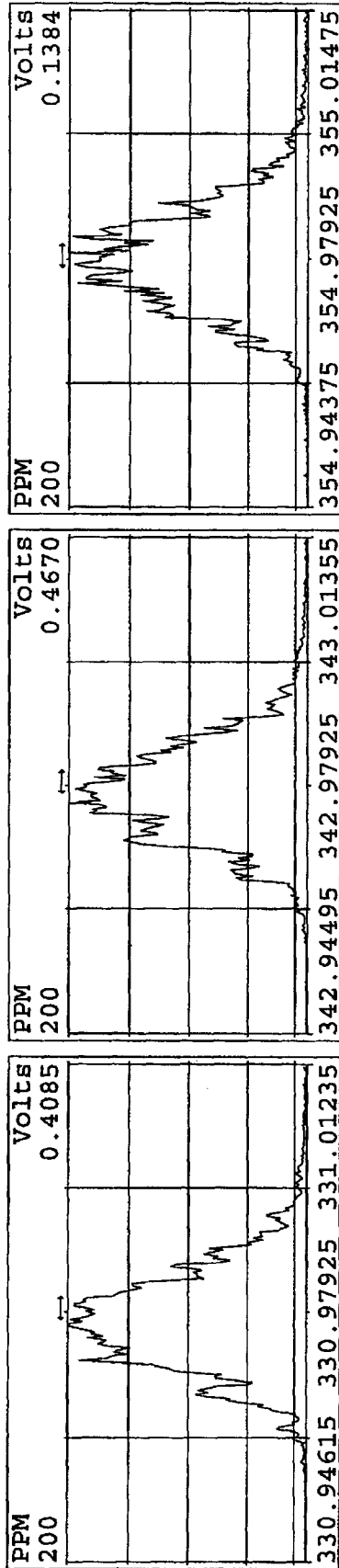
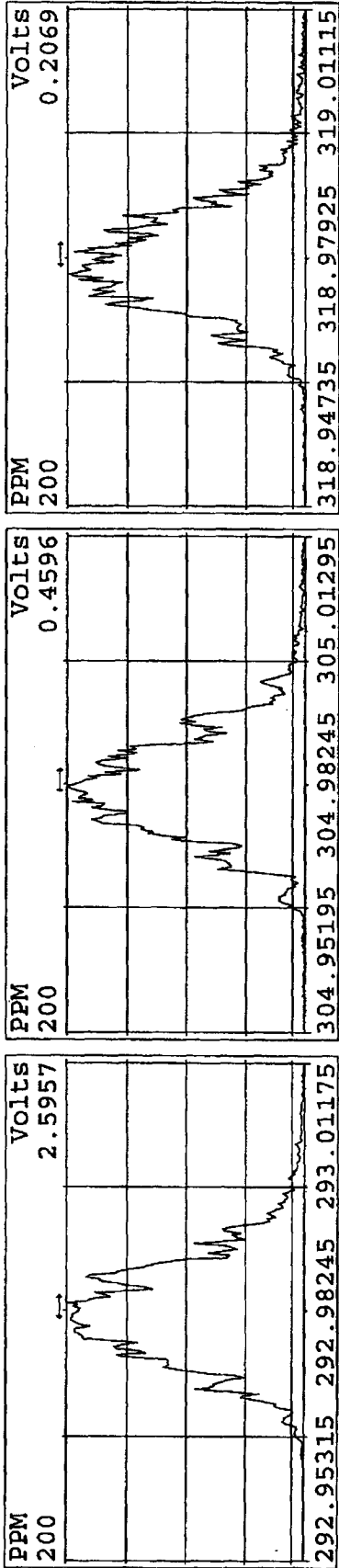
109 12/15/10
 12/15/10
 12/15/10

KSS 12-14-10

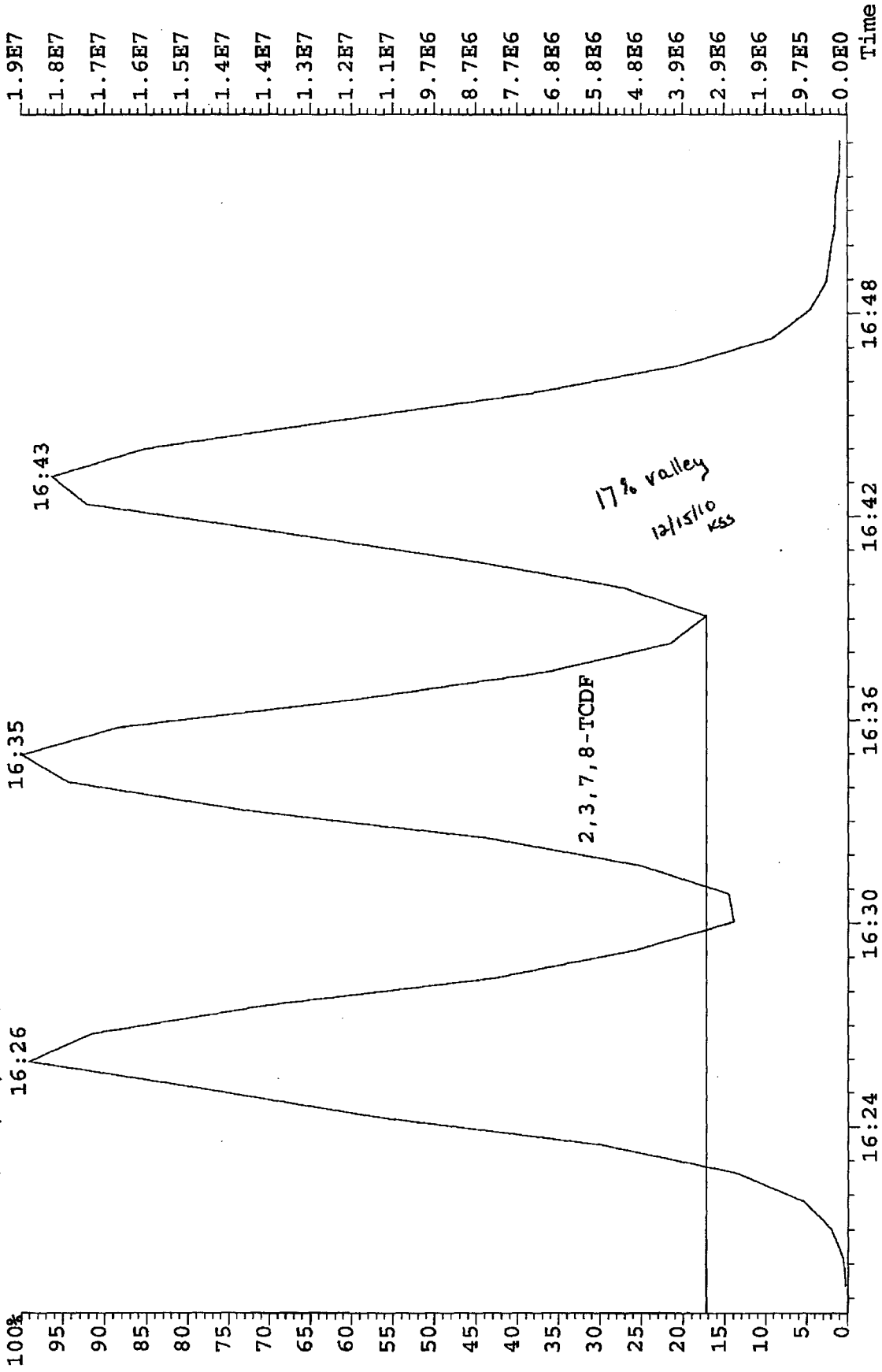
Peak Locate Examination:14-DEC-2010:13:01 File:14DE10B5D2
 Experiment:DB225RES Function:1 Reference:PFK



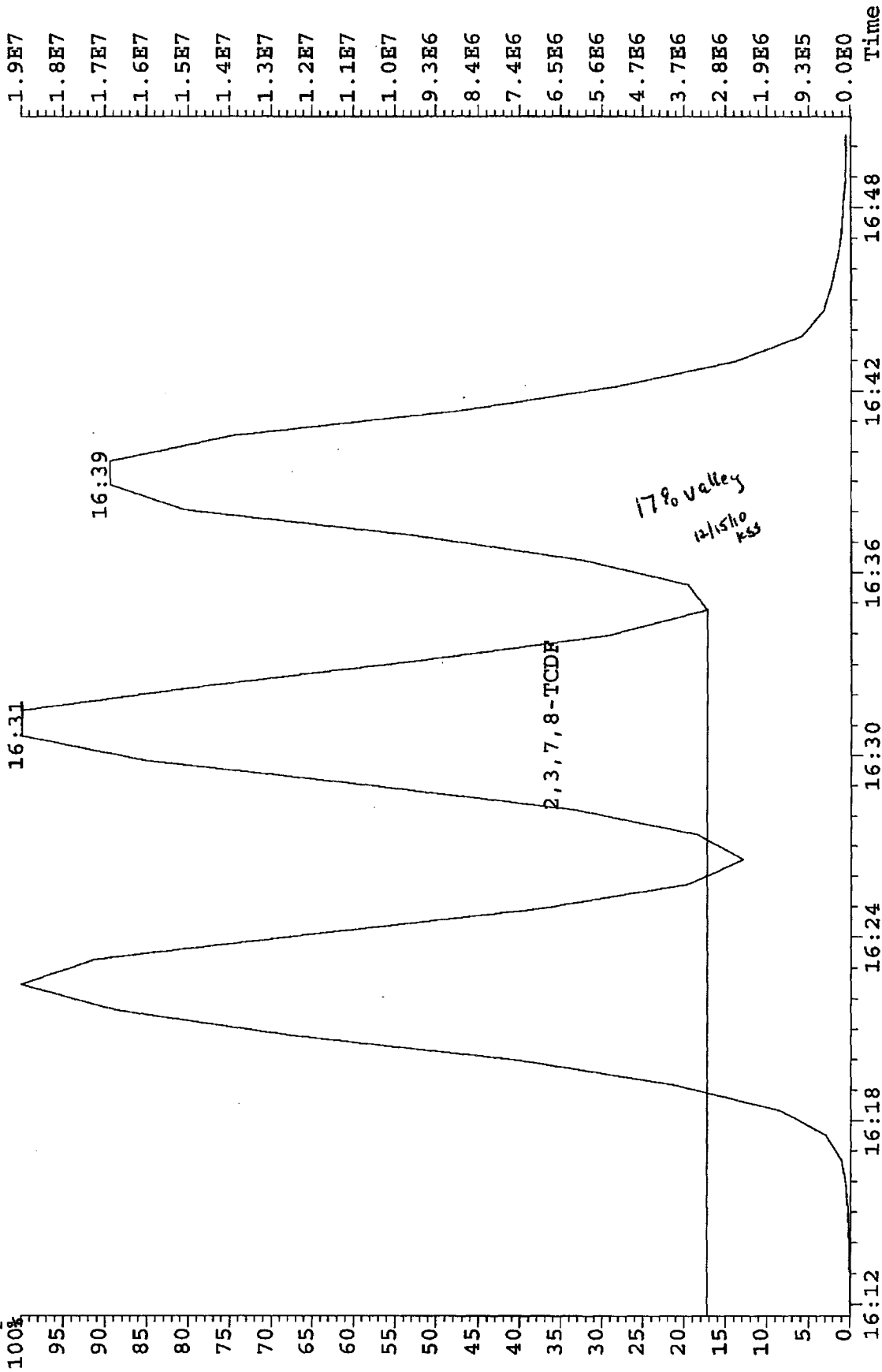
Peak Locate Examination:14-DEC-2010:19:44 File:RESCHK14DE10B5D2
 Experiment:DB225RES Function:1 Reference:PFK



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)



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



Quantitation Summary

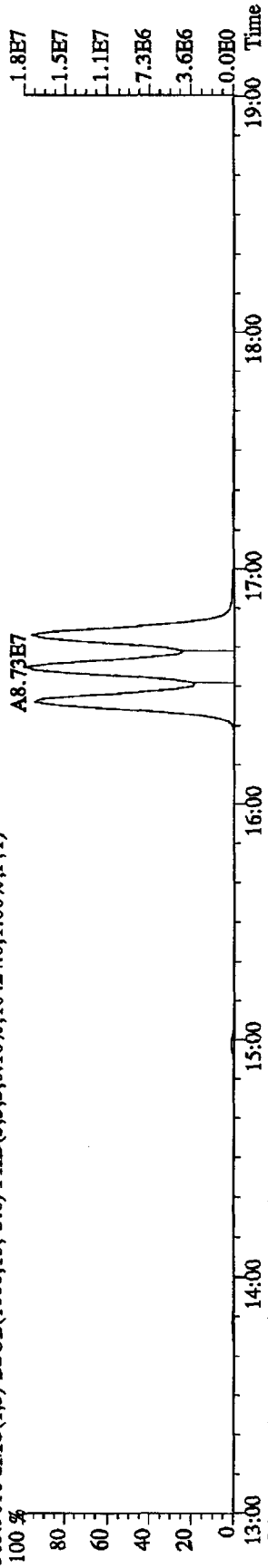
TestAmerica West Sacramento

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*

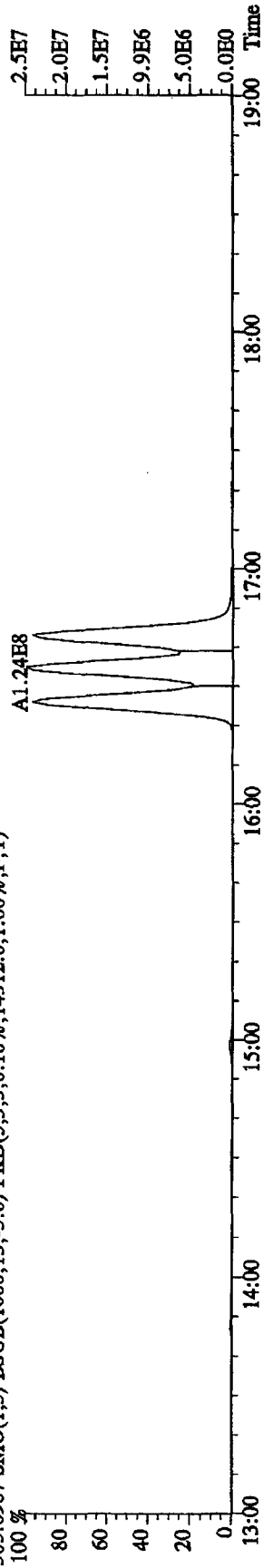
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	168736500	0.79 y	15:15	-	88.92	-	-	n
13C-2,3,7,8-TCDF	382850000	0.80 y	16:29	2.02	2243.55	10.19	112.2	n
2,3,7,8-TCDF	36609000	0.72 y	16:29	1.01	189.00 (94.5%R)	1.72	-	n
13C-2,3,7,8-TCDD	166332300	0.81 y	14:57	0.99	2001.34	9.02	100.1	n
2,3,7,8-TCDD	24991900	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

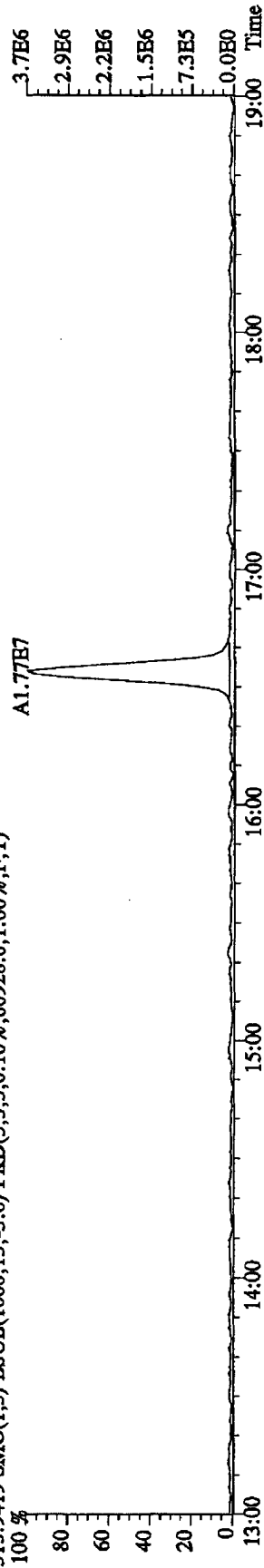
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage:SR 70SE
 Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES
 303.9016 SMO(1,3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,10424.0,1.00%,F,T)



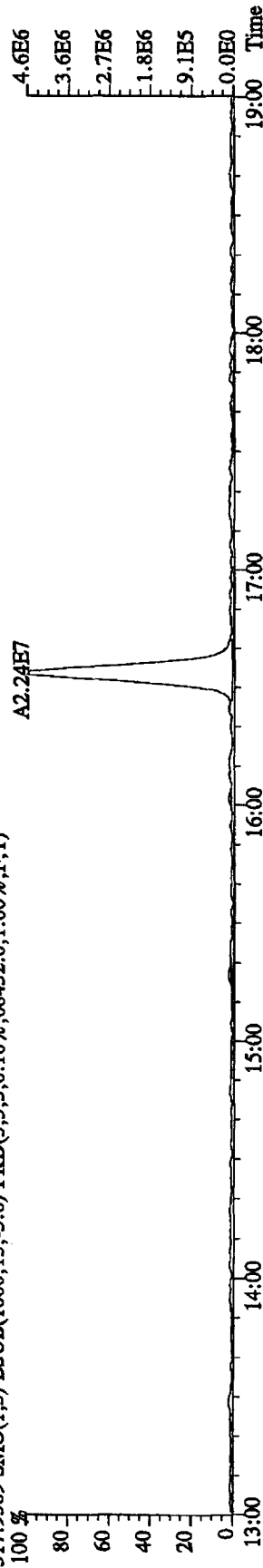
305.8987 SMO(1,3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,14312.0,1.00%,F,T)



315.9419 SMO(1,3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,60928.0,1.00%,F,T)



317.9389 SMO(1,3) BSUB(1000,1.5,-3.0) PKD(5,3,3,0.10%,68432.0,1.00%,F,T)

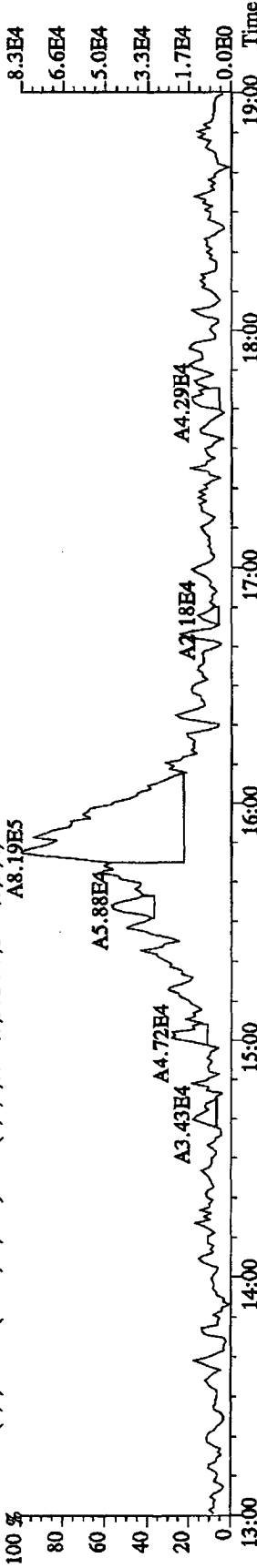


File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE

Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES

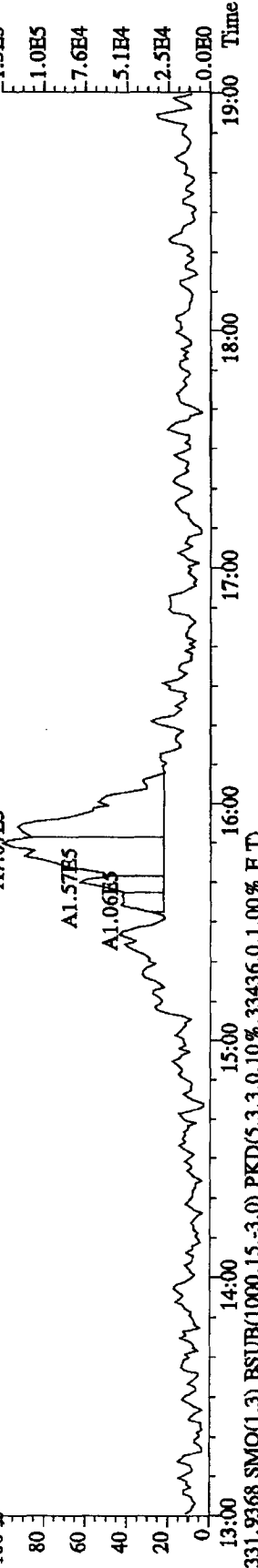
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,9724.0,1.00%,F,T)

100 % A8.19E5



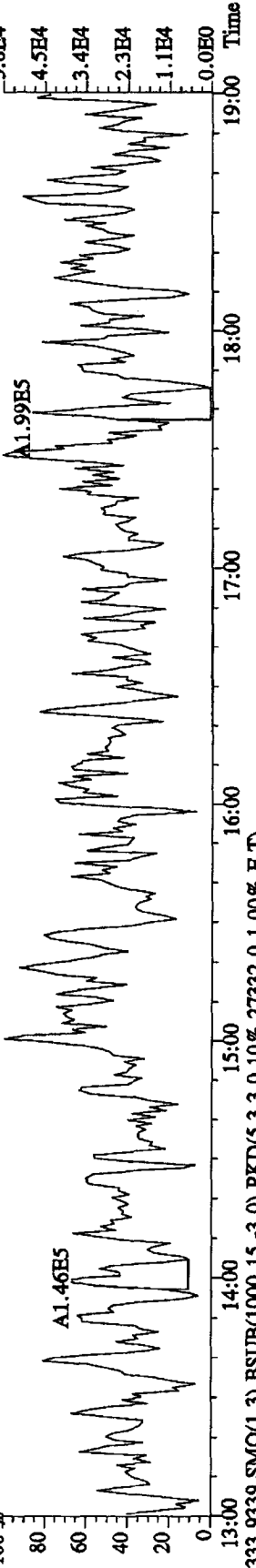
321.8936 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,17660.0,1.00%,F,T)

100 % A7.07E5



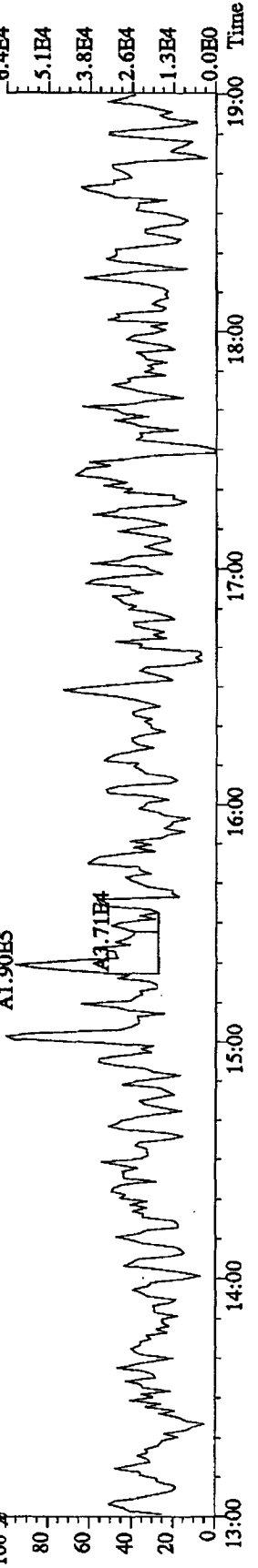
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,33436.0,1.00%,F,T)

100 % A1.99E5

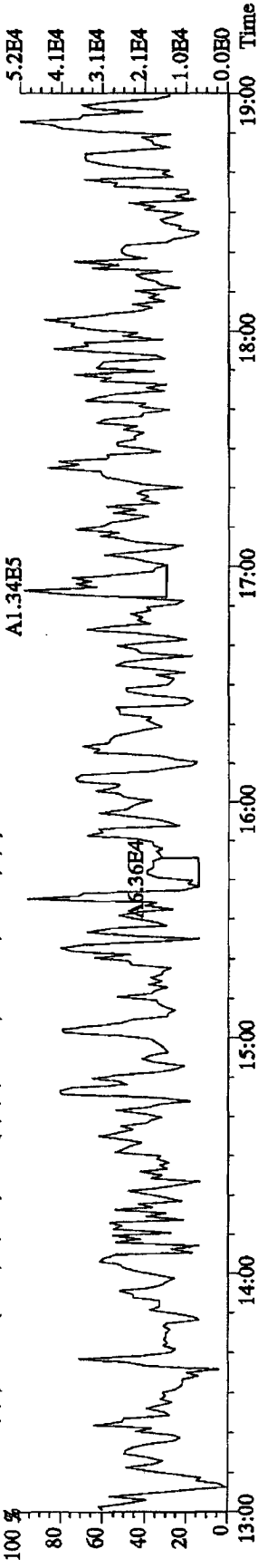


333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,27332.0,1.00%,F,T)

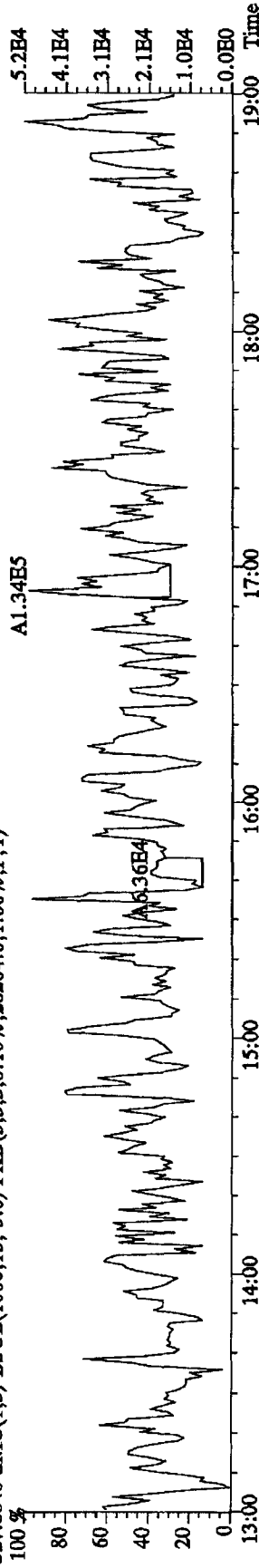
100 % A1.90E5



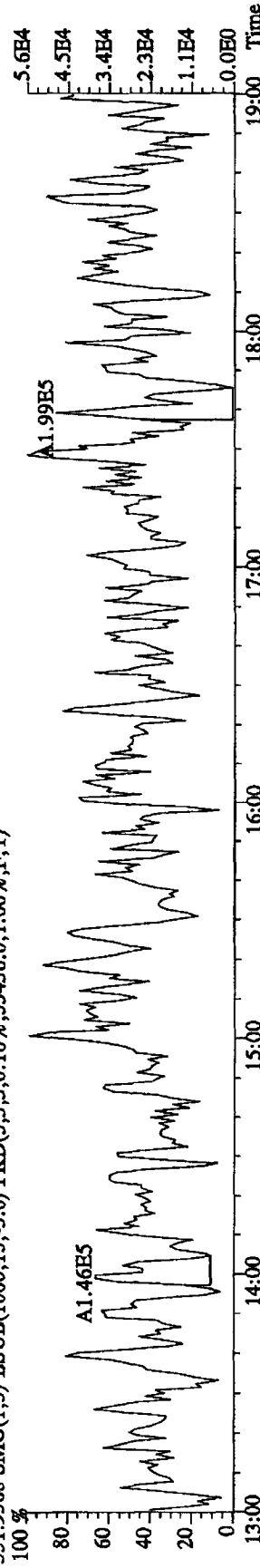
File:14DB10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1214 :DB-225 3732-11 CPS1214 KSS Exp:DB225RES
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,26264.0,1.00%,F,T)



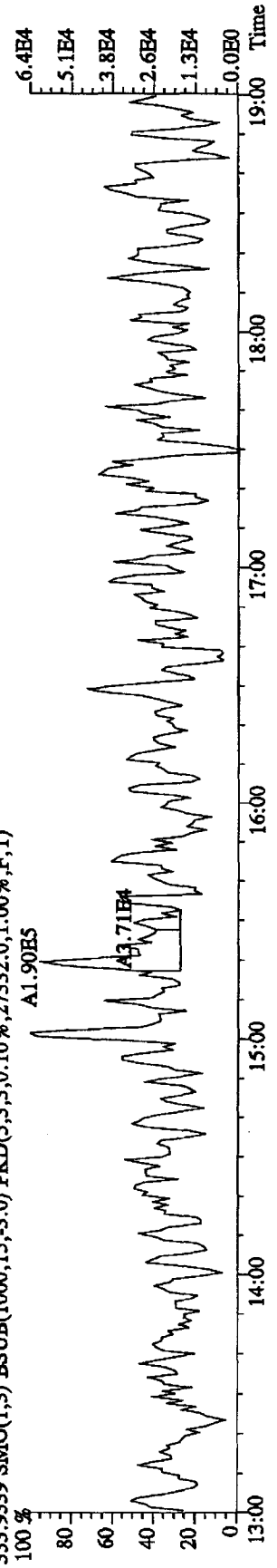
327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,26264.0,1.00%,F,T)



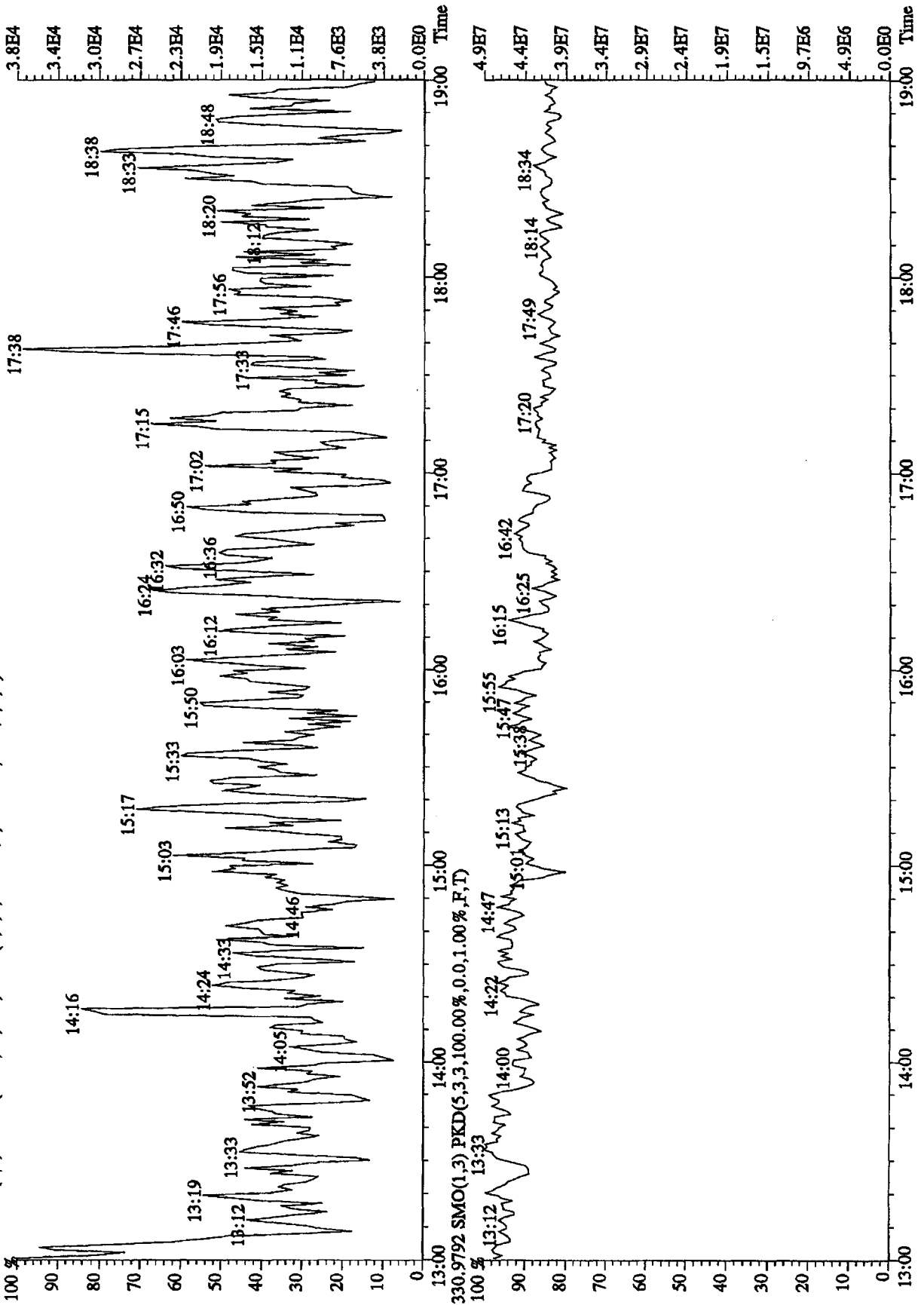
331.9368 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,33436.0,1.00%,F,T)



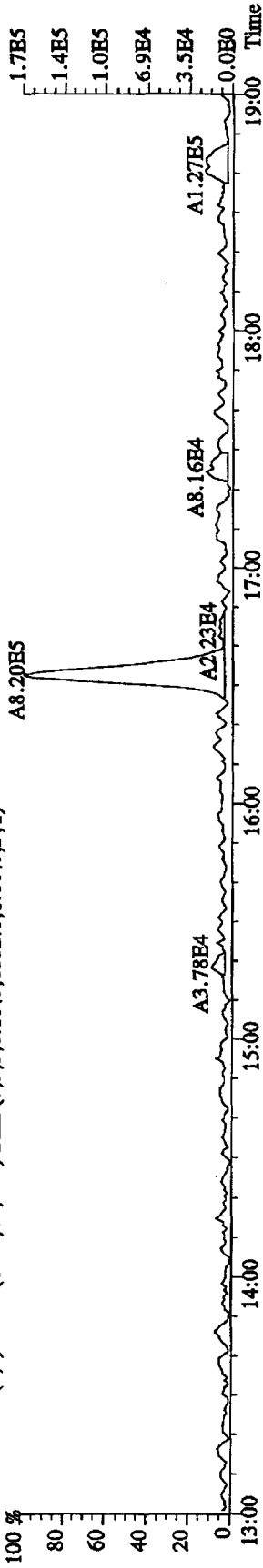
333.9339 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,27332.0,1.00%,F,T)



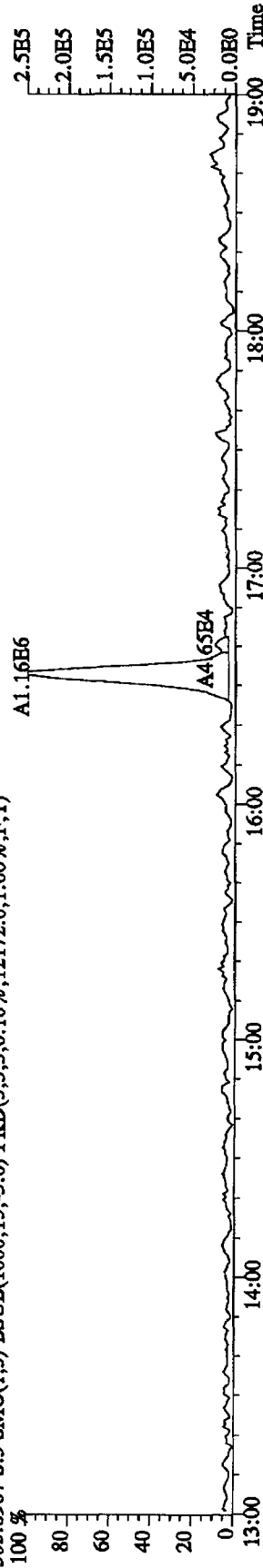
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1214 :DB-225 3732-11 CFS1214 KSS Exp:DB225RES
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,16916.0,1.00%,F,T)



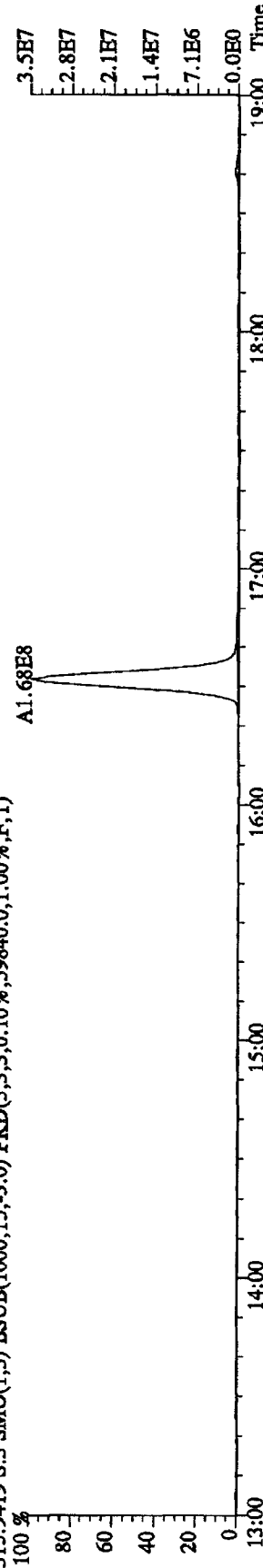
File: 14DE10B5D2 #1-1242 Acq: 14-DEC-2010 14:15:32 GC EI + Voltage SIR_70SE
 Sample#3 Text: ST1214 :10DXN503 CS11214 KSS Exp: DB225RES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8552.0,1.00%,F,T)



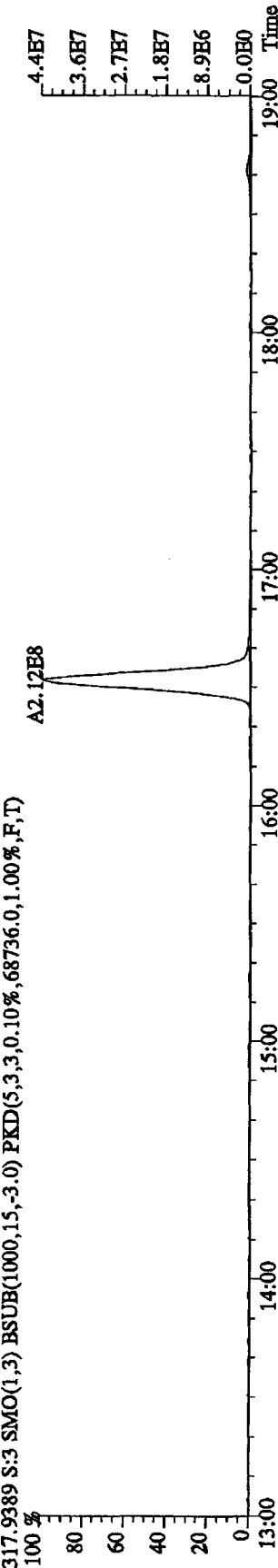
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12172.0,1.00%,F,T)



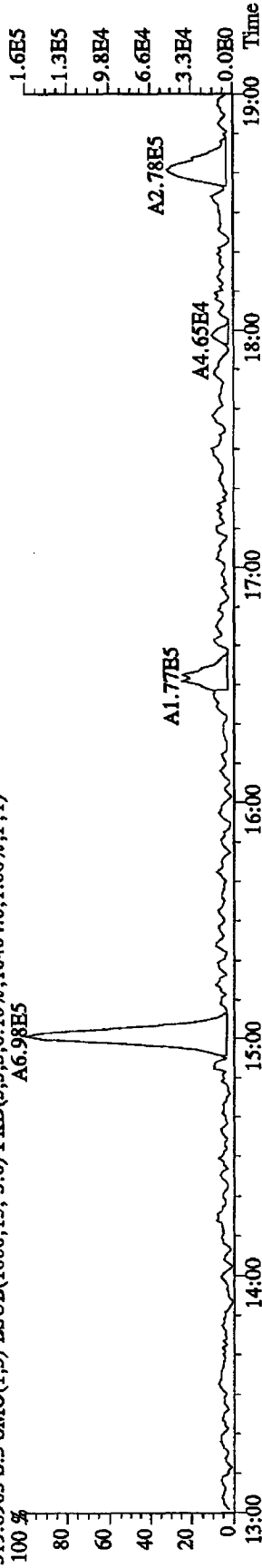
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,59840.0,1.00%,F,T)



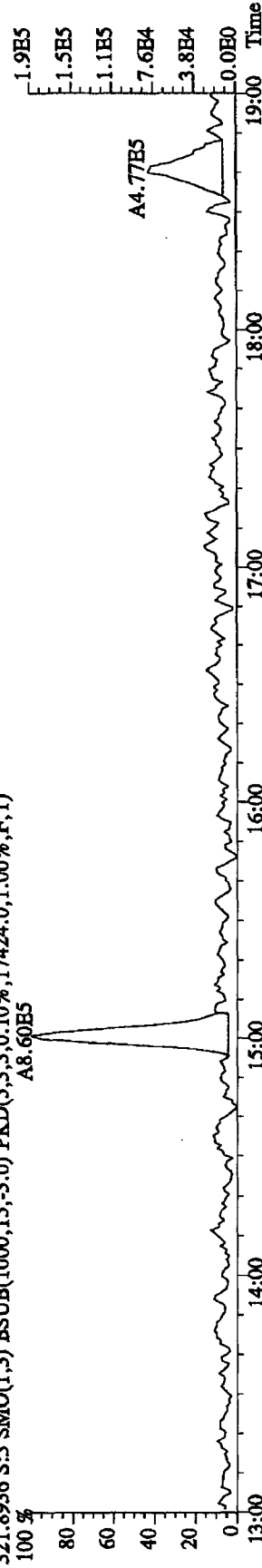
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68736.0,1.00%,F,T)



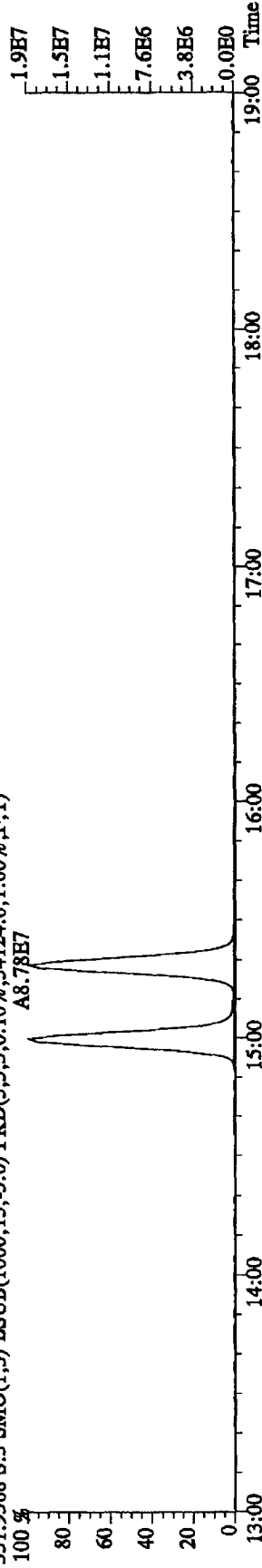
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:15:32 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1214 :10DXN503 CS11214 KSS Exp:DB225RES
 319.8965 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10404.0,1.00%,F,T)
 A6.98E5



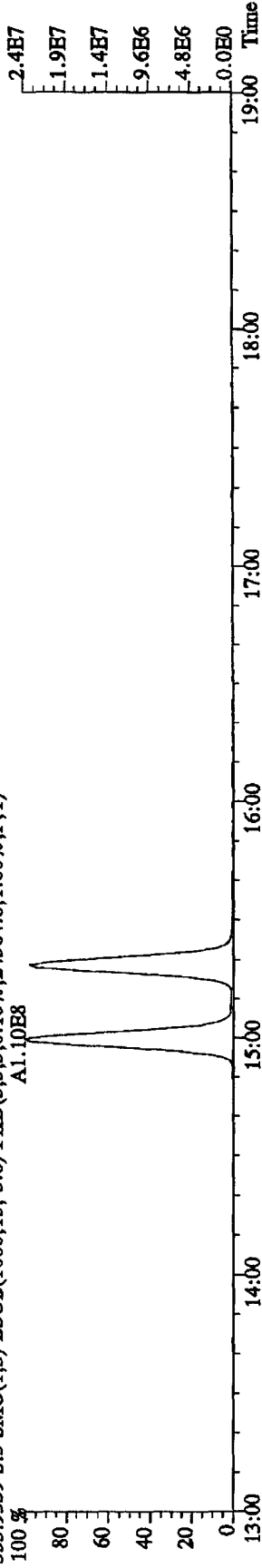
321.8936 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17424.0,1.00%,F,T)
 A8.60E5



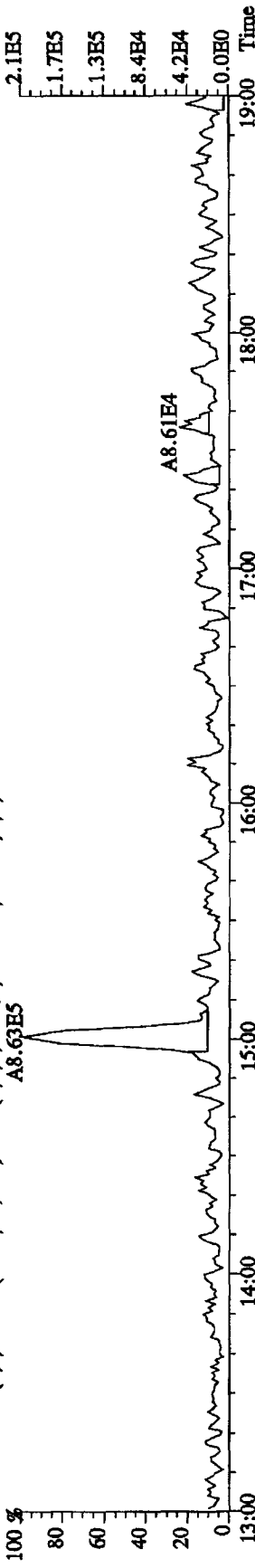
331.9368 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34124.0,1.00%,F,T)
 A8.78E7



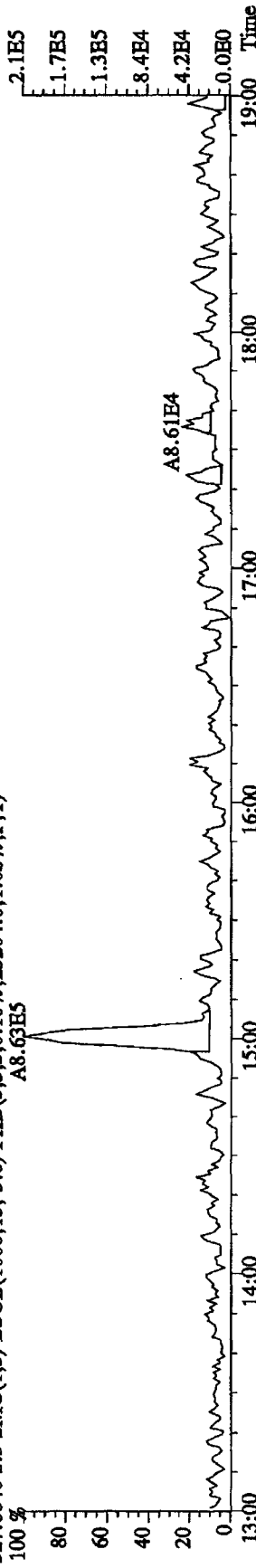
333.9339 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24364.0,1.00%,F,T)
 A1.10E8



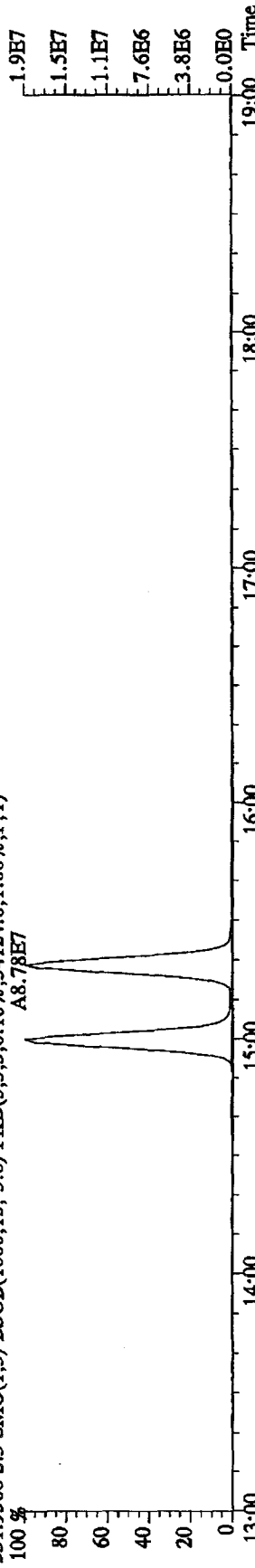
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:15:32 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1214 :10DXN503 CS11214 KSS Exp:DB225RES
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,23204,0,1,00%,F,T)
 A8.63E5



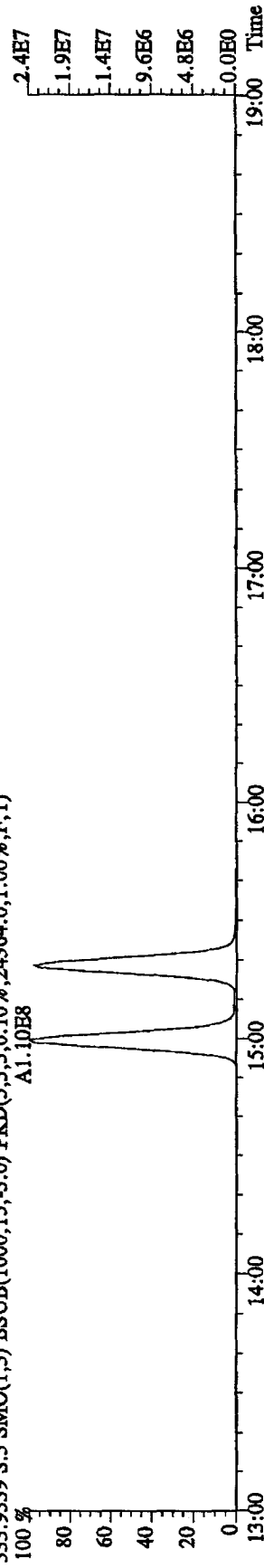
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,23204,0,1,00%,F,T)
 A8.61E4



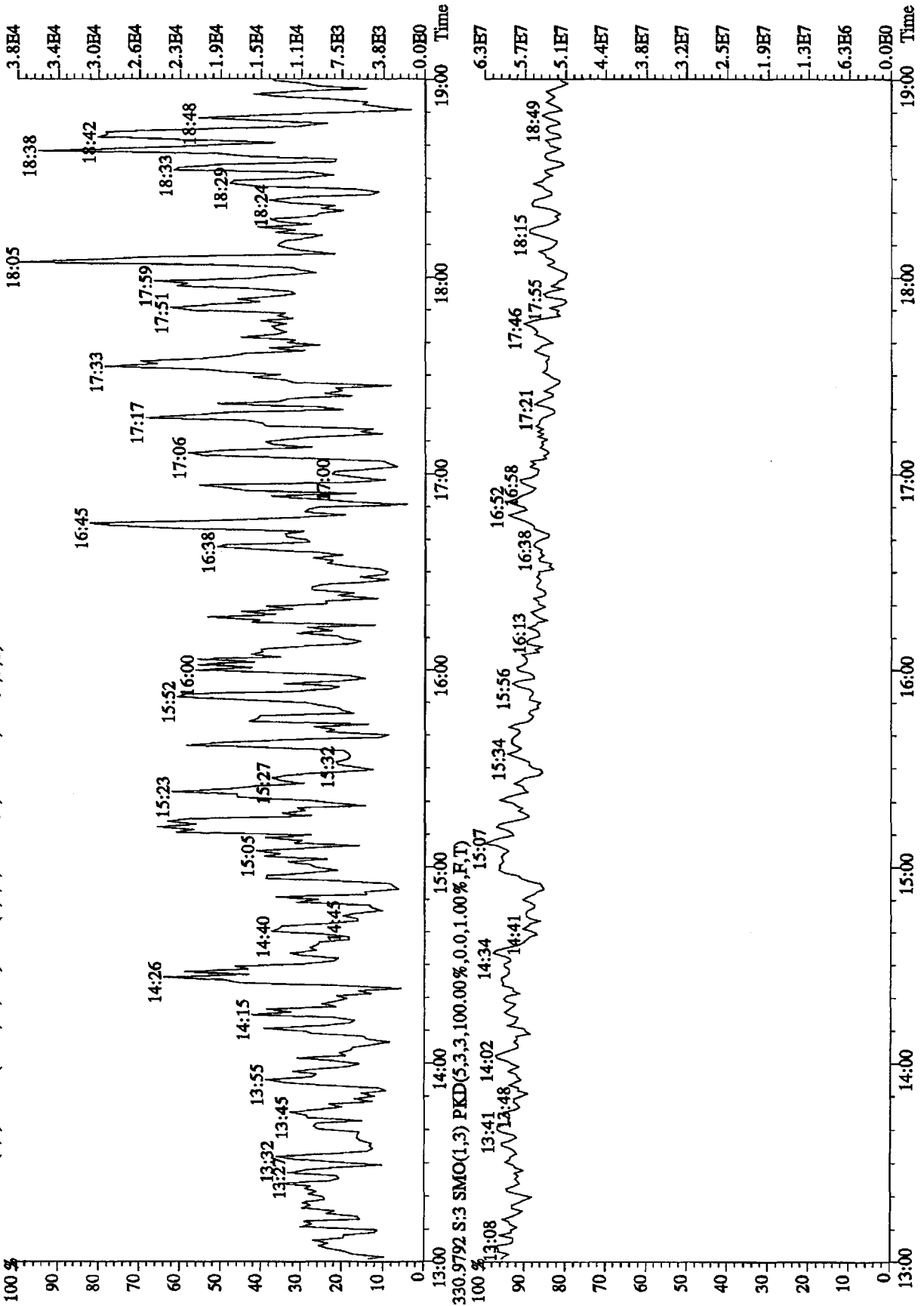
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,34124,0,1,00%,F,T)
 A8.78E7



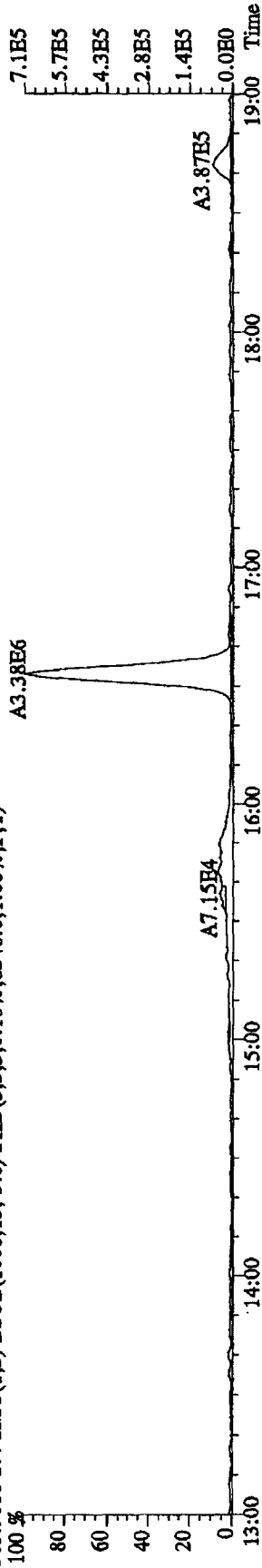
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,24364,0,1,00%,F,T)
 A1.10E8



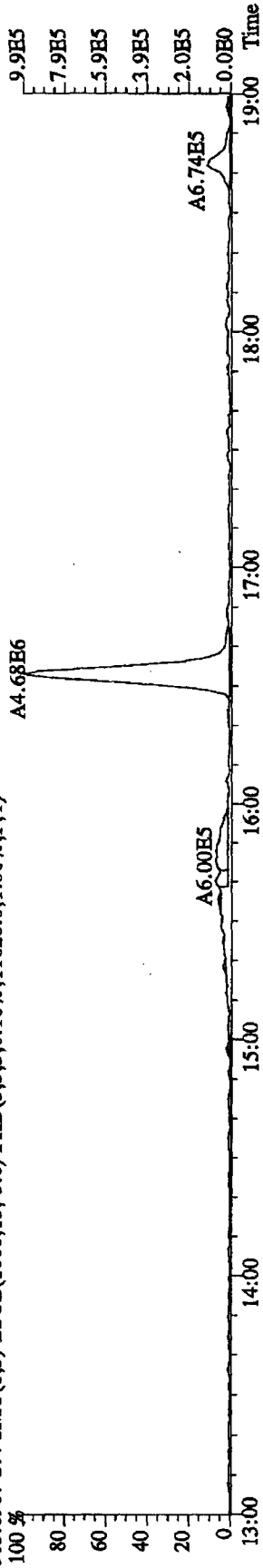
File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 14:15:32 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1214 :10DXN503 CS11214 KSS Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,13648.0,1.00%,F,T)



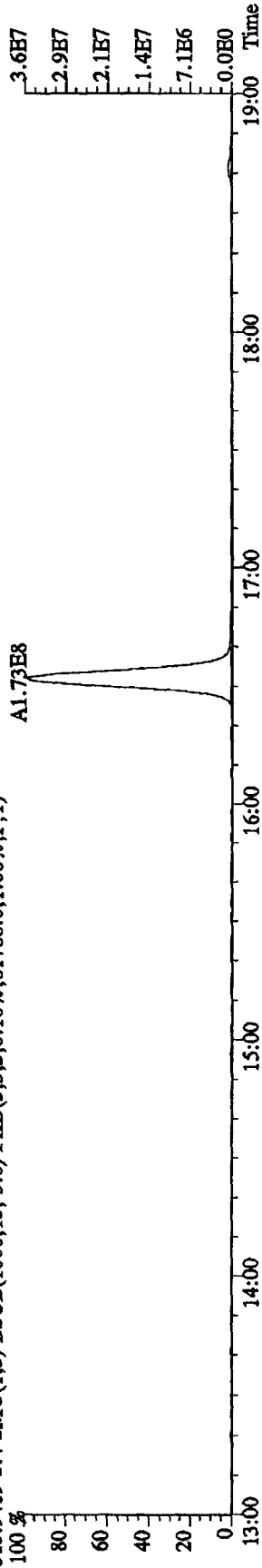
File:14DB10B5D2 #1-1242 Acq:14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1214A :10DXN504 CS21214A KSS Exp:DB225RES
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8348.0,1.00%,F,T)



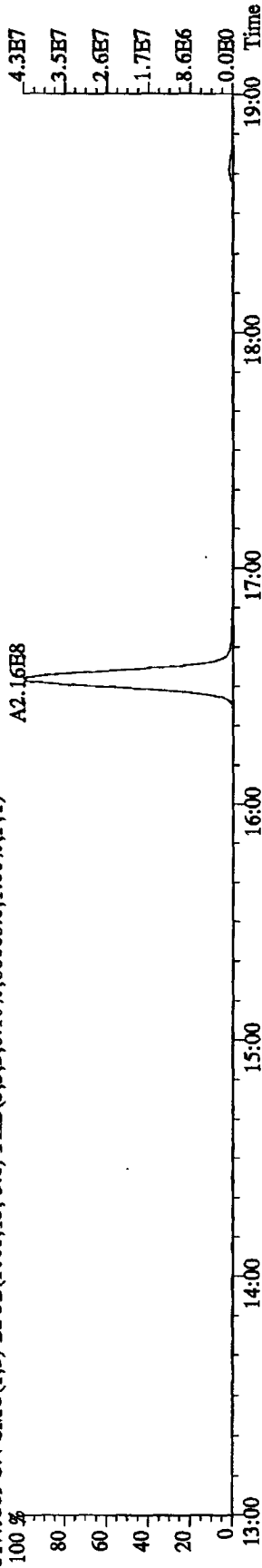
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11628.0,1.00%,F,T)



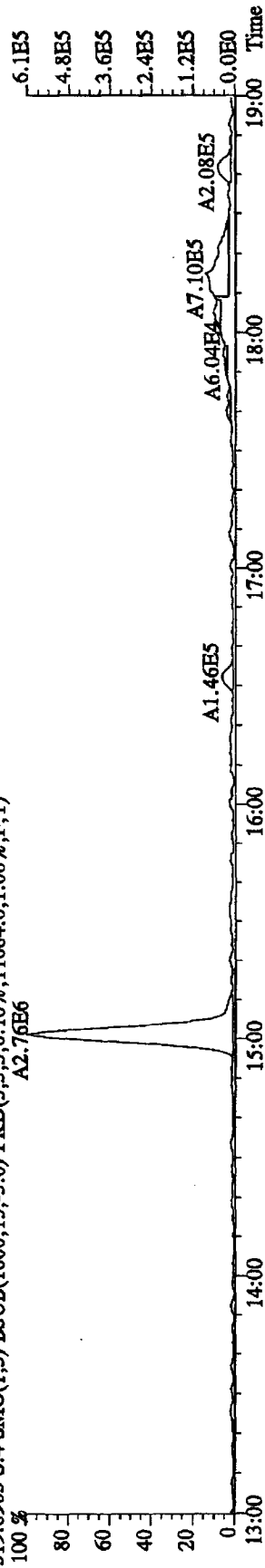
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,61788.0,1.00%,F,T)



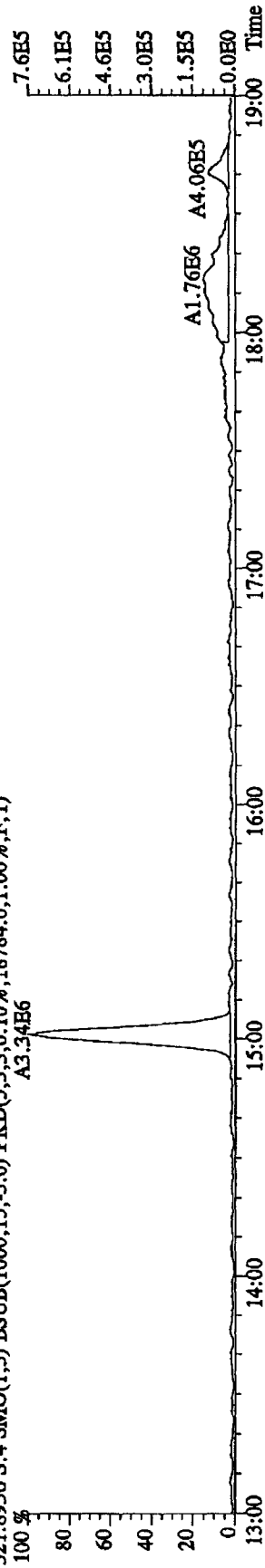
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,80068.0,1.00%,F,T)



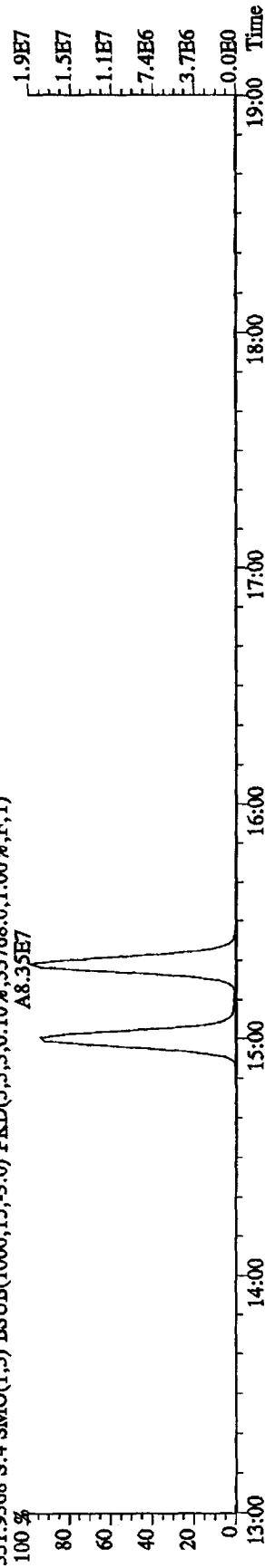
File: 14DB10B5D2 #1-1242 Acq: 14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST1214A :10DXN504 CS21214A KSS Exp: DB225RES
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11084.0,1.00%,F,T)
 100% A2.76E6



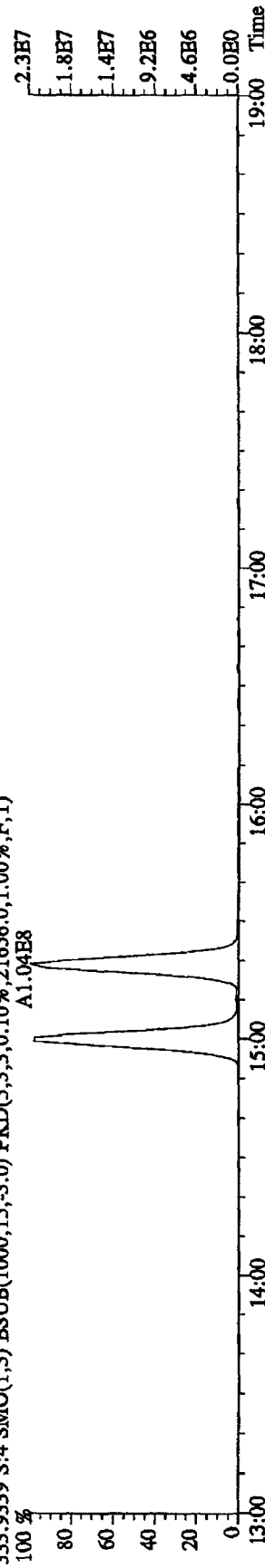
321.8936 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18784.0,1.00%,F,T)
 100% A3.34E6



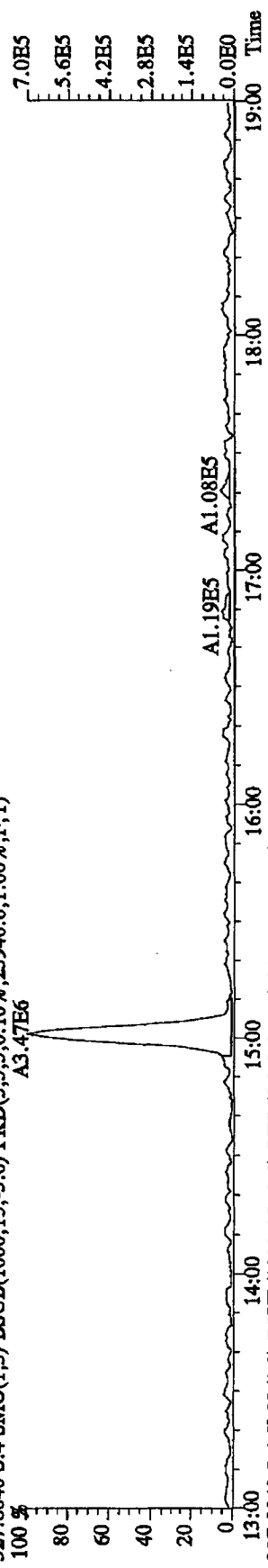
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33768.0,1.00%,F,T)
 100% A8.35E7



333.9339 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21656.0,1.00%,F,T)
 100% A1.04E8



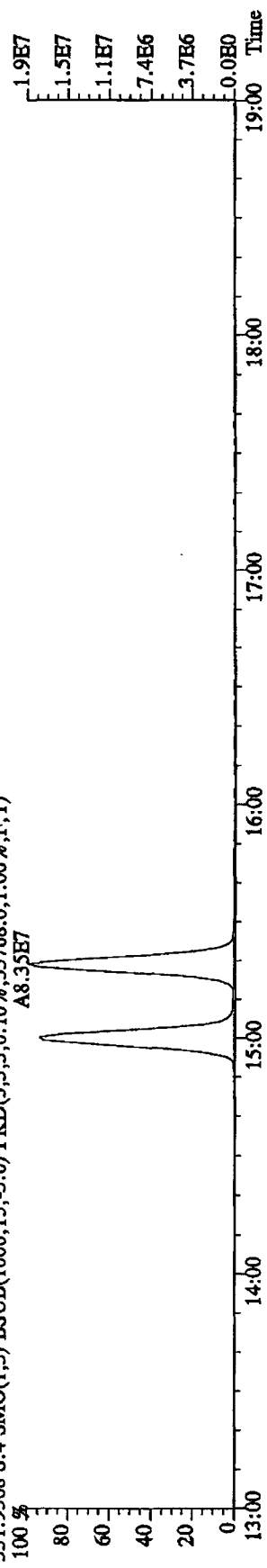
File: 14DE10B5D2 #1-1242 Acq: 14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST1214A :10DXN504 CS21214A KSS Exp: DB225RBS
 327.8840 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,23940,0,1.00%,F,T)
 A3.47E6



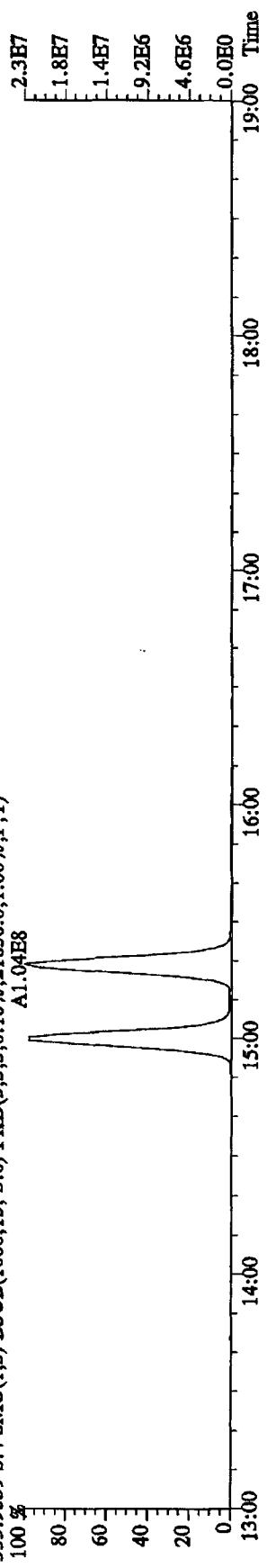
327.8840 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,23940,0,1.00%,F,T)
 A3.47E6



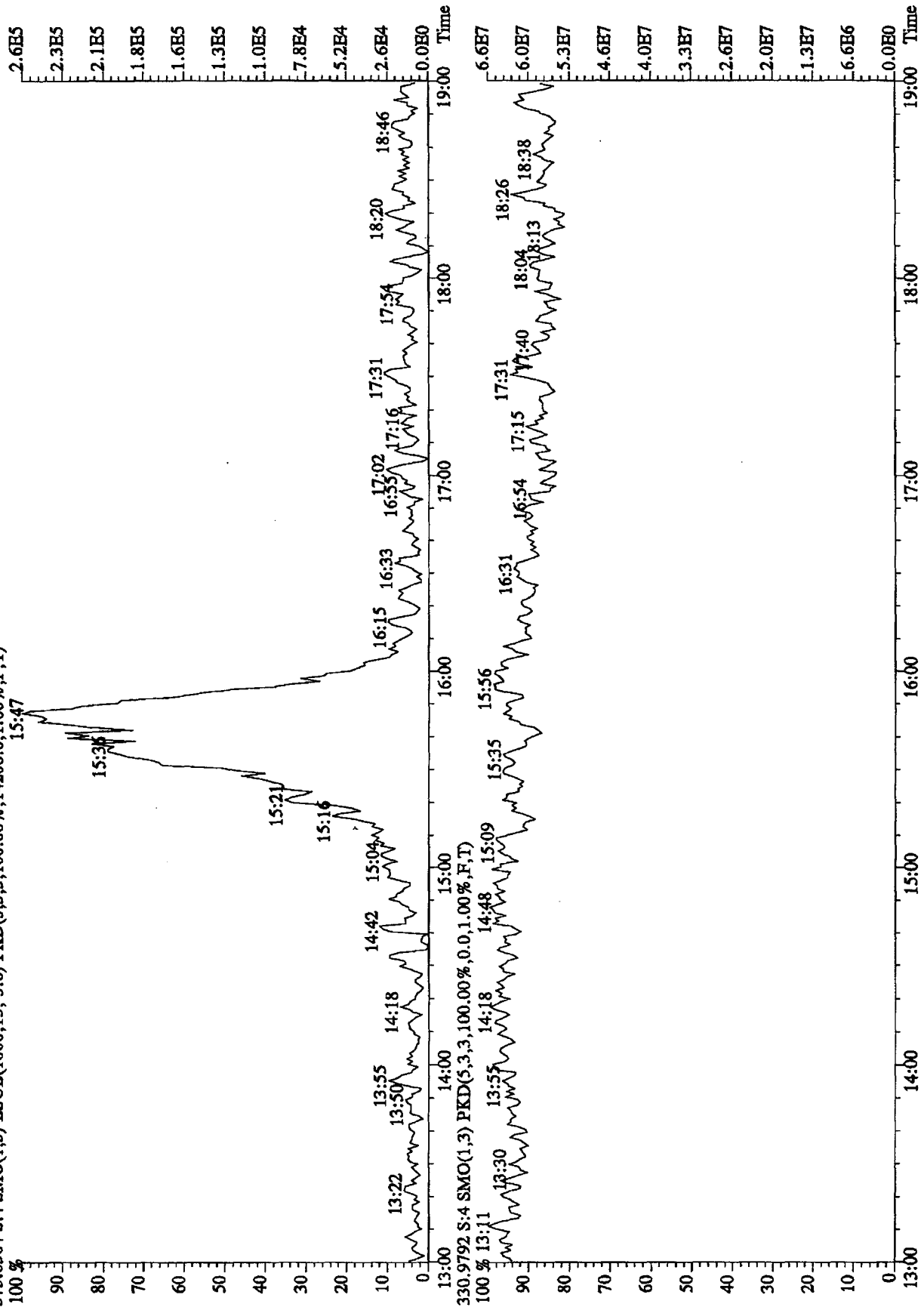
331.9368 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,33768,0,1.00%,F,T)
 A8.35E7



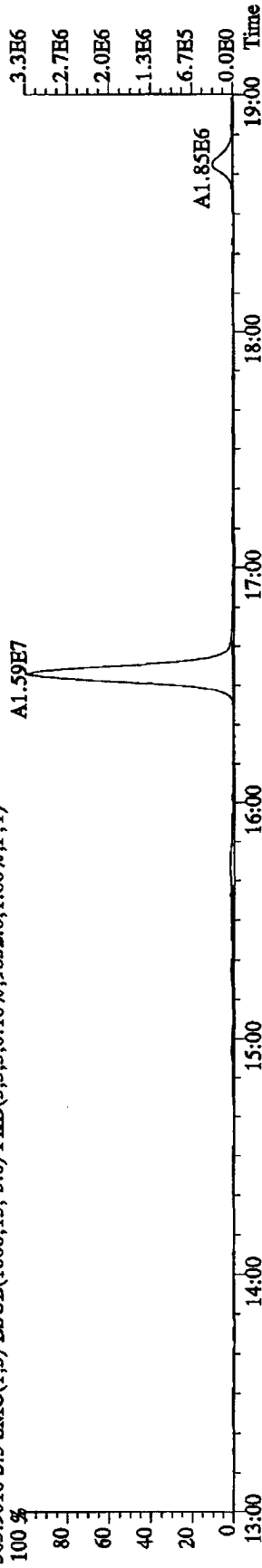
333.9339 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21656,0,1.00%,F,T)
 A1.04E8



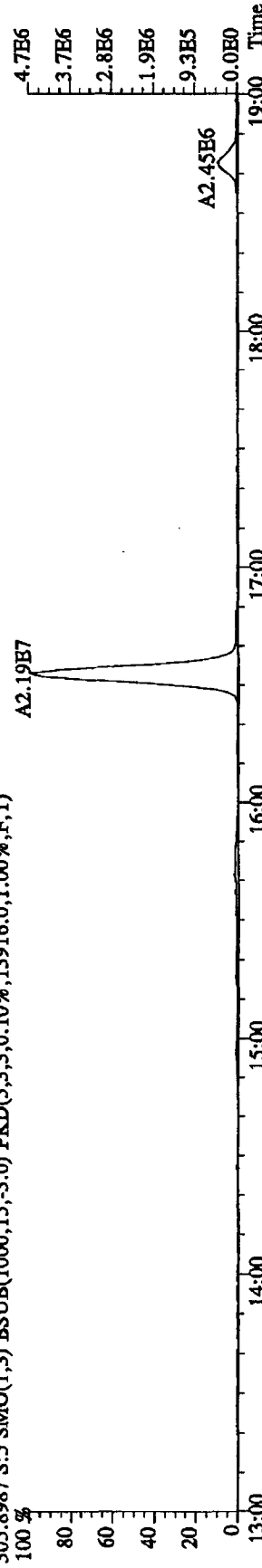
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 14:51:46 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1214A :10DXN504 CS21214A KSS Exp:DB225RES
 375.8364 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,100.00%,1.00%,F,T)



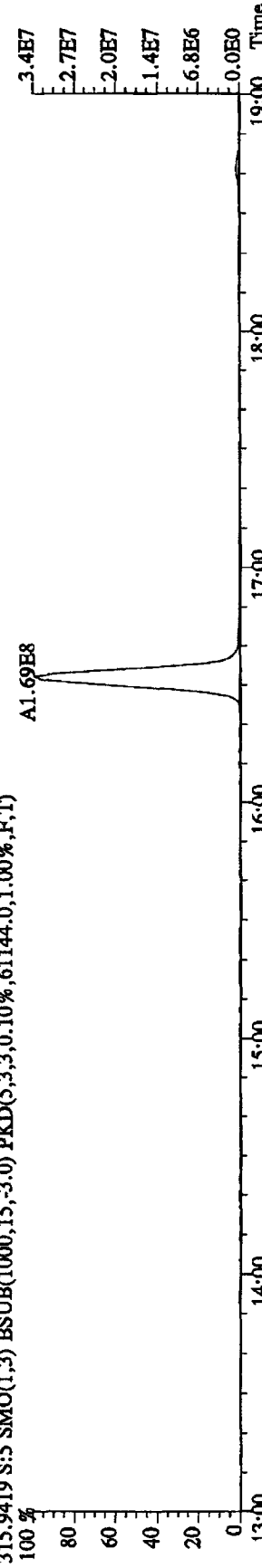
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 15:28:06 GC HI+ Voltage SIR 70SE
 Sample#5 Text:ST1214B :10DXN505 CS31414B KSS Exp:DB225RES
 303.9016 S:5 SMO(1,3) ESUB(1000,15,-3,0) PKD(5,3,3,0,10%,13916.0,1.00%,F,T)



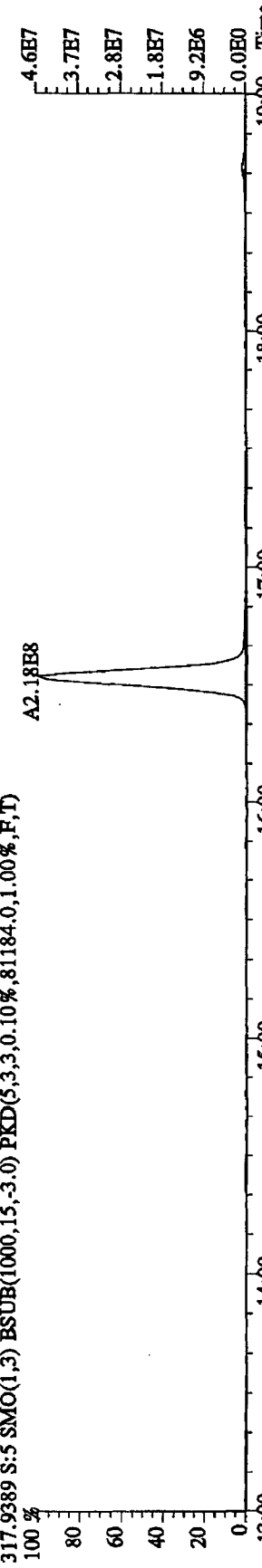
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,61144.0,1.00%,F,T)



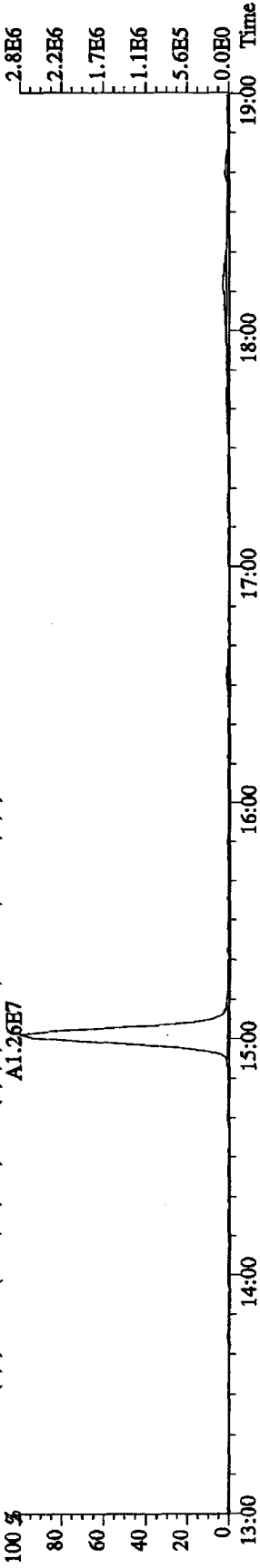
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,61144.0,1.00%,F,T)



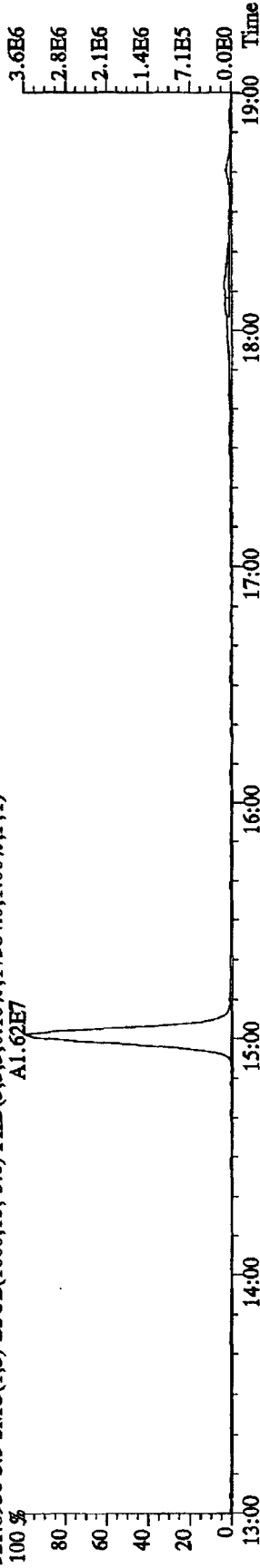
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,81184.0,1.00%,F,T)



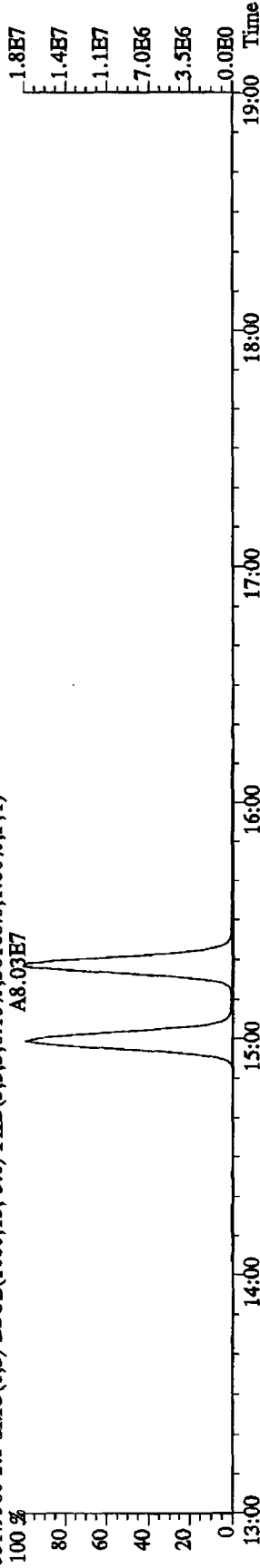
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 15:28:06 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1214B :10DXN505 CS31414B KSS Exp:DB225RES
 319.8965 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11124,0,1.00%,F,T)
 A1.26E7



321.8936 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17384,0,1.00%,F,T)
 A1.62E7



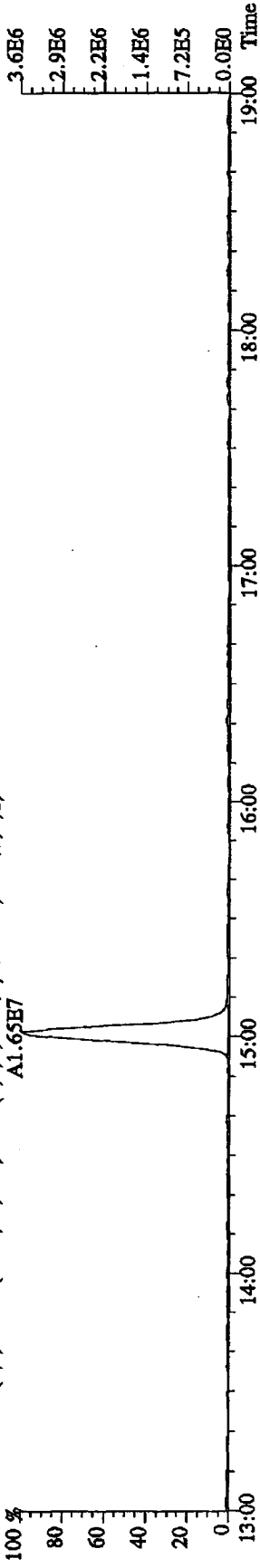
331.9368 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30168,0,1.00%,F,T)
 A8.03E7



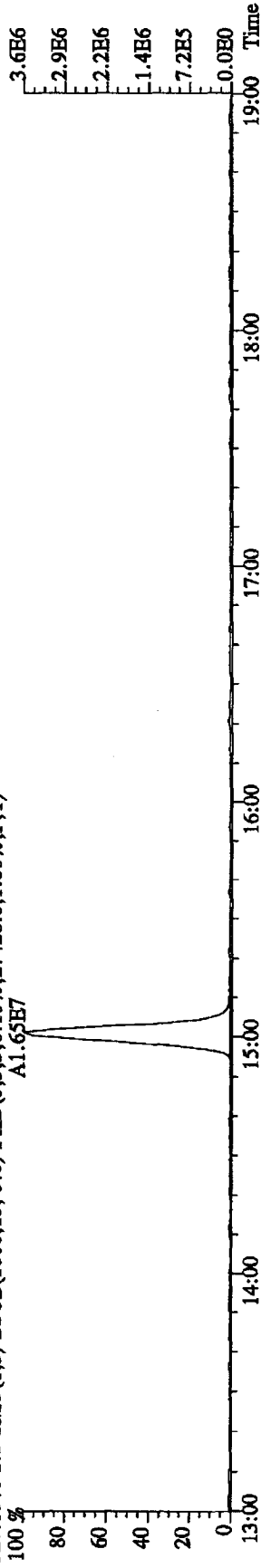
333.9339 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23676,0,1.00%,F,T)
 A1.03E8



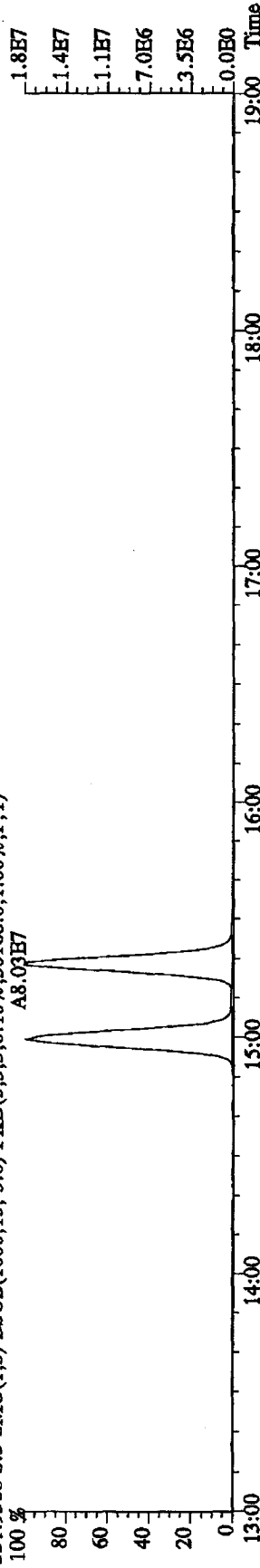
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 15:28:06 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1214B :10DXN505 CS31414B KSS Exp:DB225RES
 327.8840 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,27428.0,1.00%,F,T)
 100 % A1.65E7



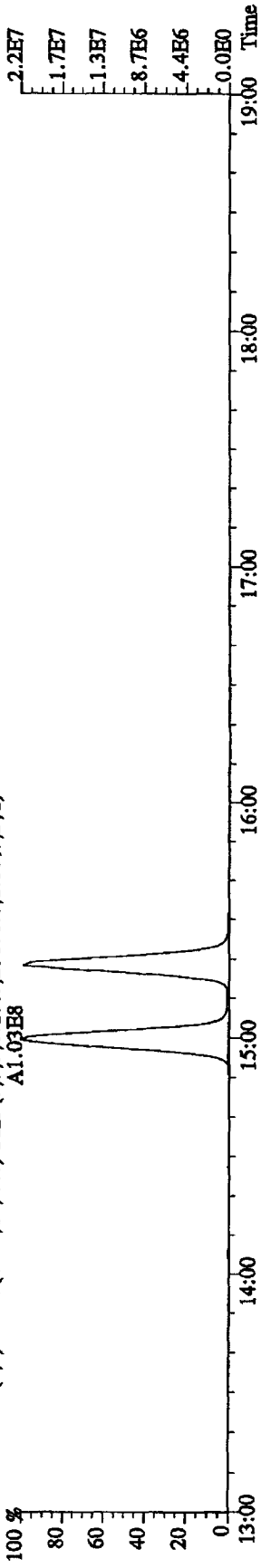
327.8840 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,27428.0,1.00%,F,T)
 100 % A1.65E7



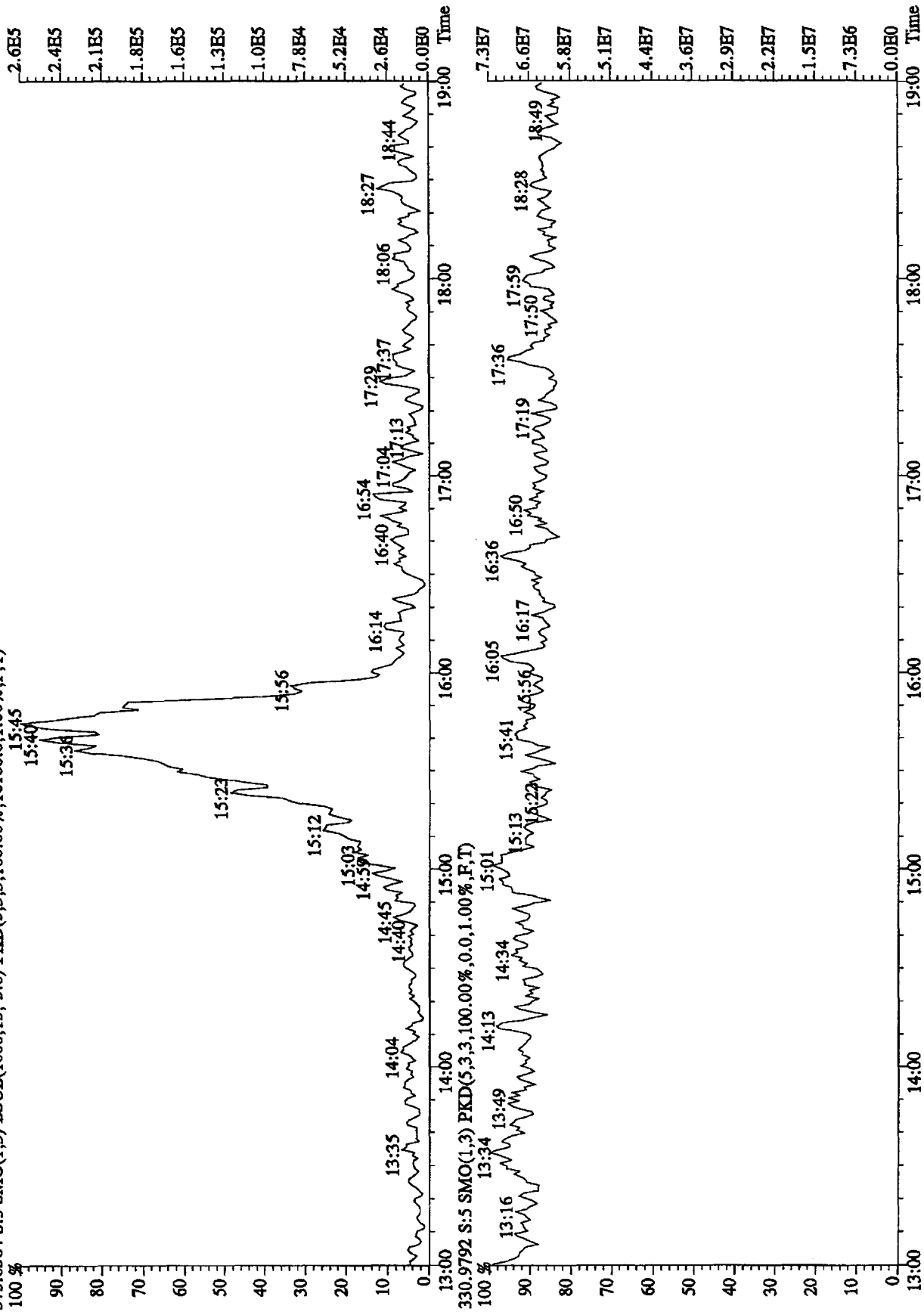
331.9368 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,30168.0,1.00%,F,T)
 100 % A8.03E7



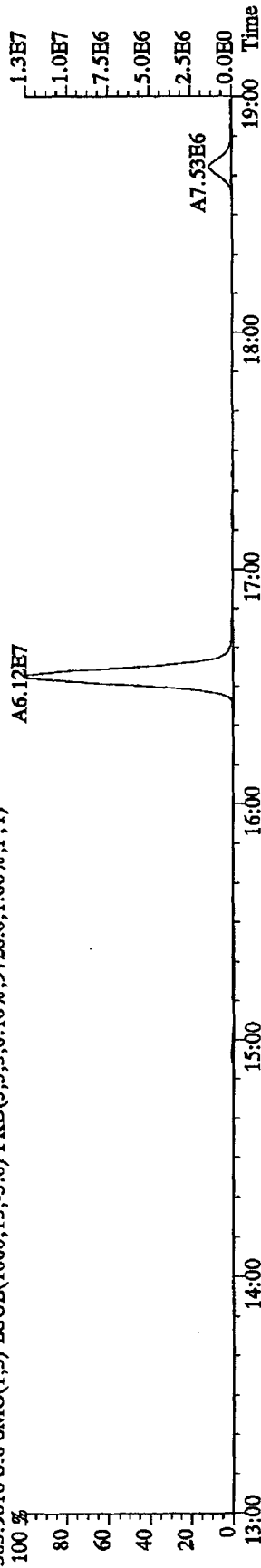
333.9339 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,23676.0,1.00%,F,T)
 100 % A1.03E8



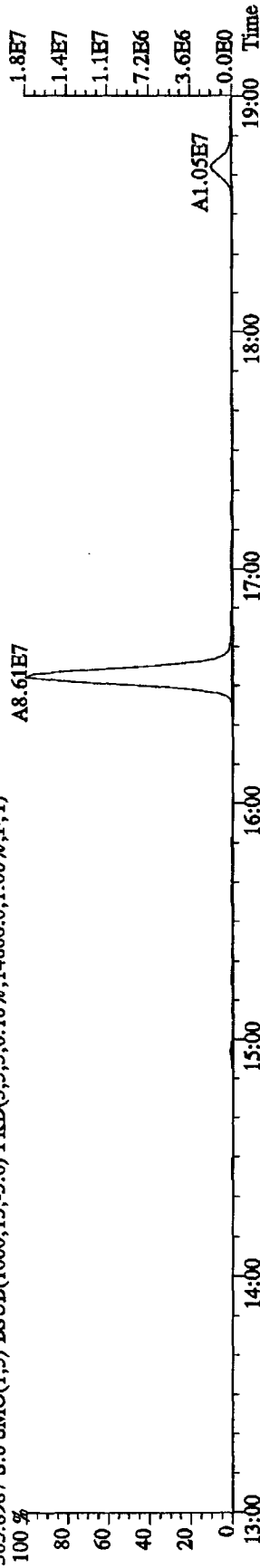
File: 14DE10B5D2 #1-1242 Acq: 14-DEC-2010 15:28:06 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1214B :10DXN505 CS31414B KSS Exp: DB225RES
 375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,16180.0,1.00%,F,T)



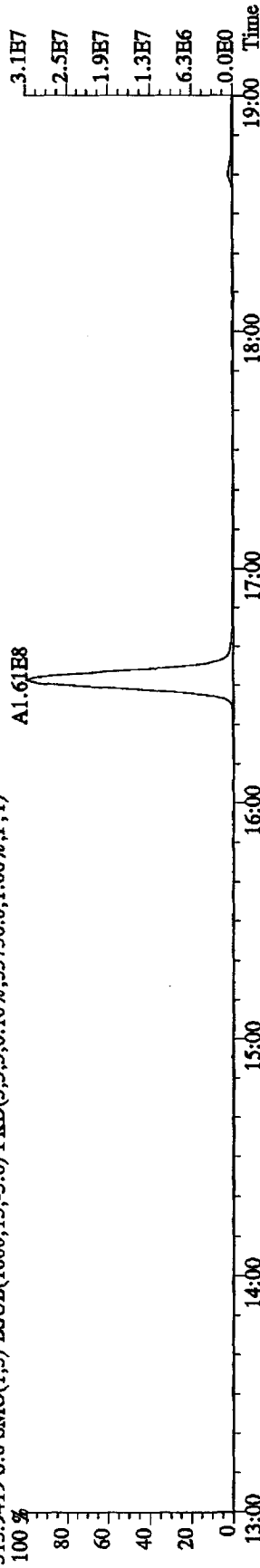
File: 14DE10B5D2 #1-1241 Acq: 14-DEC-2010 16:04:28 GC HI+ Voltage SIR 70SE
 Sample#6 Text: ST1214C :10DXN506 CS41214C KSS Exp: DB225RES
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9728.0,1.00%,F,T)



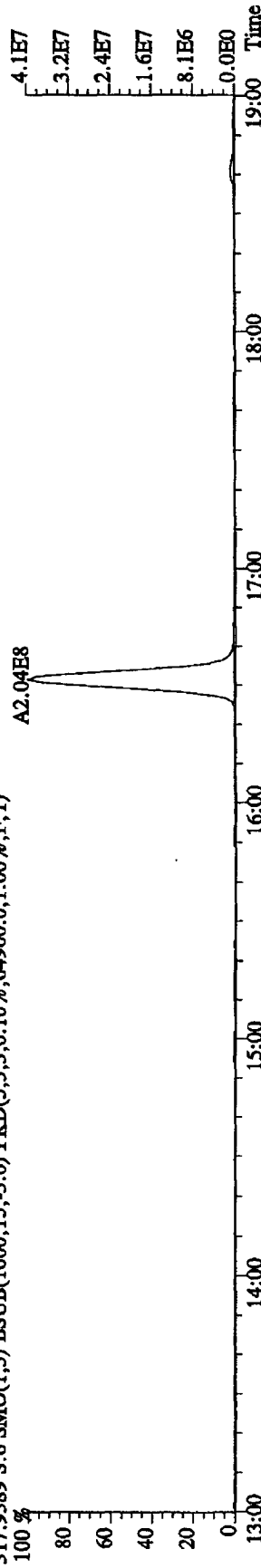
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,14608.0,1.00%,F,T)



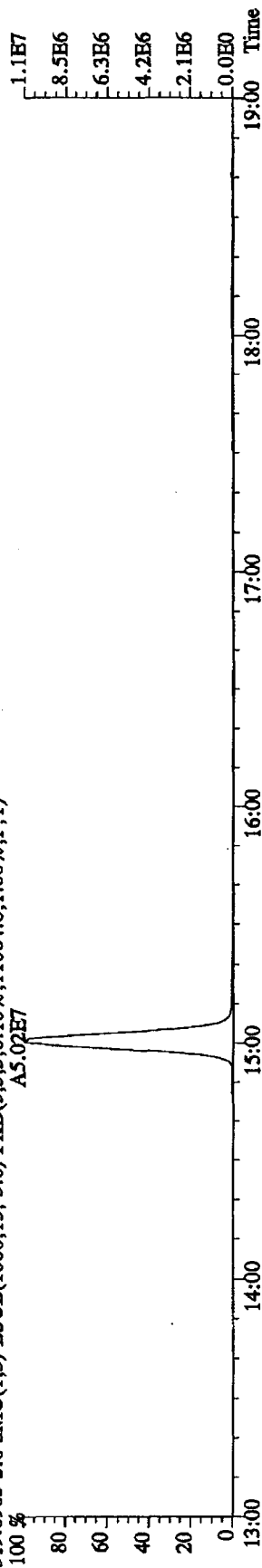
315.9419 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,53736.0,1.00%,F,T)



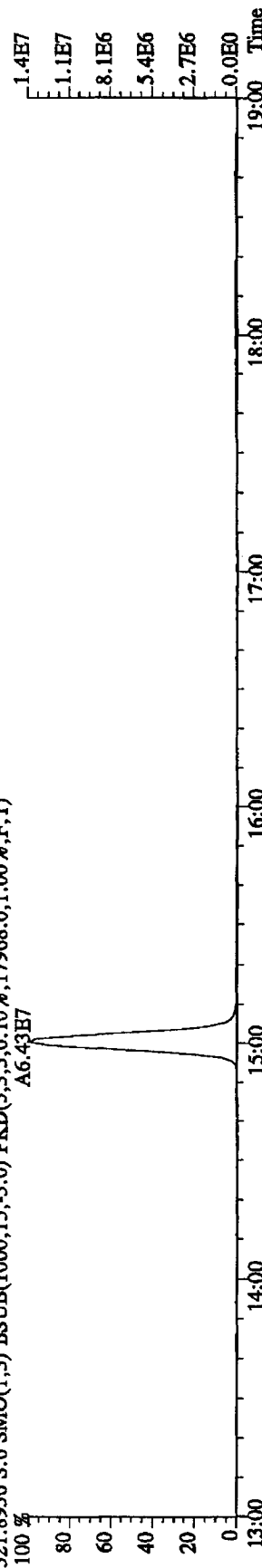
317.9389 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,64900.0,1.00%,F,T)



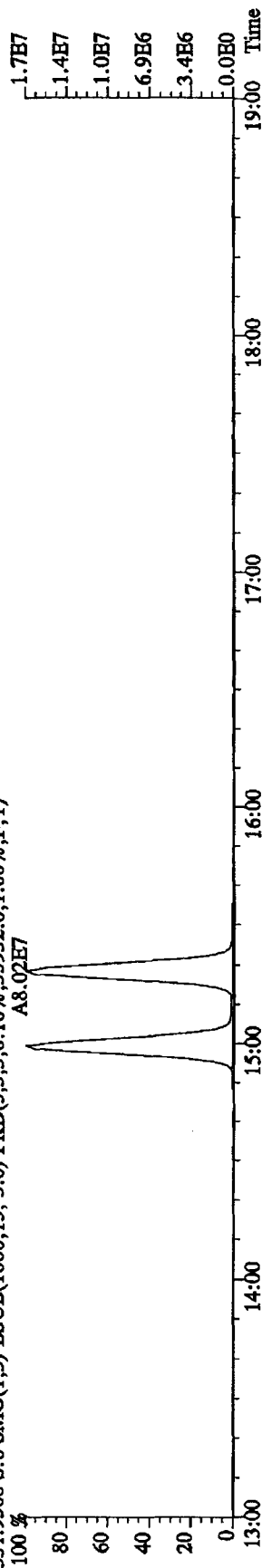
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:04:28 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1214C :10DXN506 CS41214C KSS Exp:DB225RES
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11064.0,1.00%,F,T)
 A5.02E7



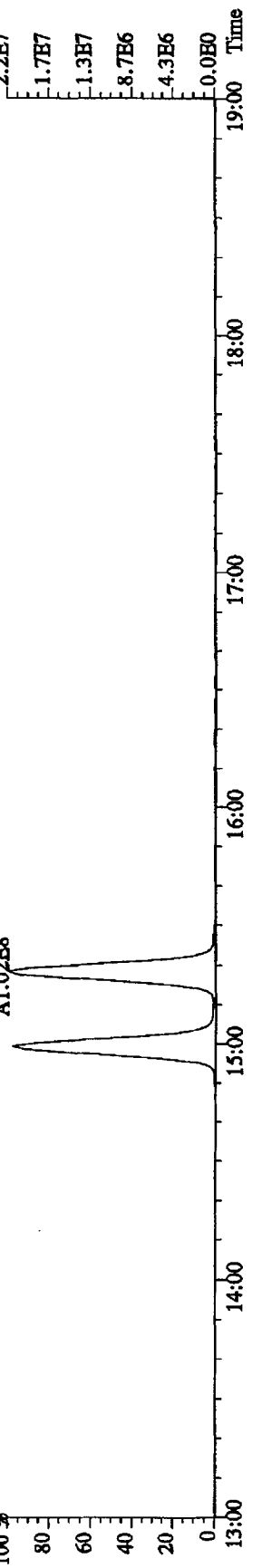
321.8936 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17968.0,1.00%,F,T)
 A6.43E7



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35932.0,1.00%,F,T)
 A8.02E7



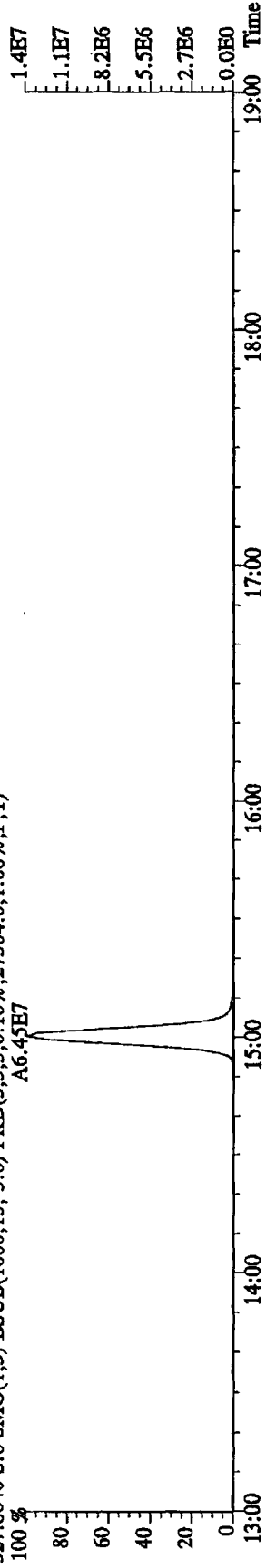
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21788.0,1.00%,F,T)
 A1.02E8



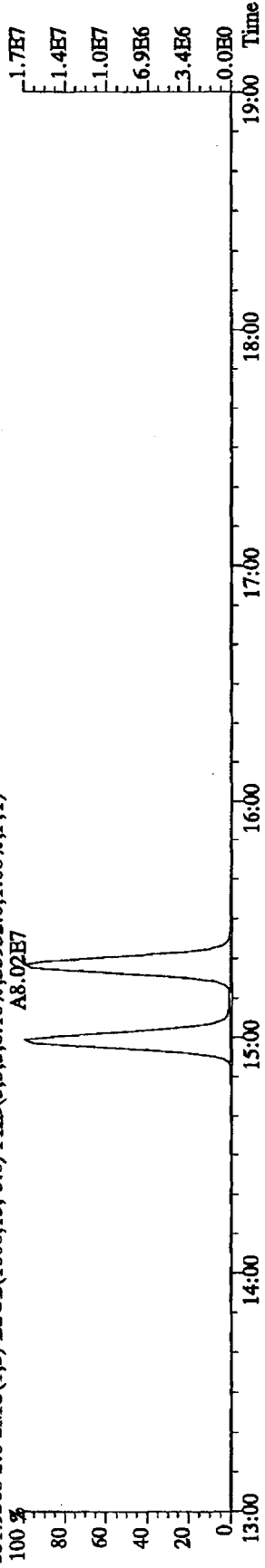
File: 14DE10B5D2 #1-1241 Acq: 14-DEC-2010 16:04:28 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST1214C :10DXN506 CS41214C KSS Exp: DB225RES
 327.8840 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,27304,0,1.00%,F,T)
 A6.45E7



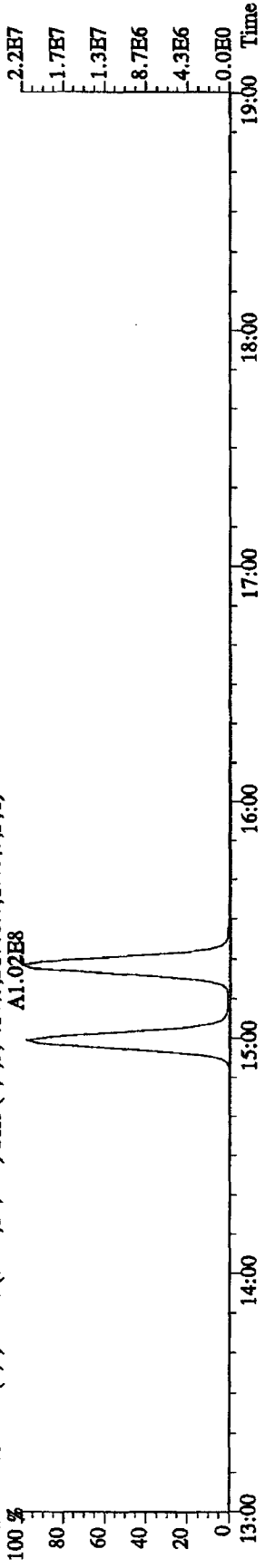
327.8840 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,27304,0,1.00%,F,T)
 A6.45E7



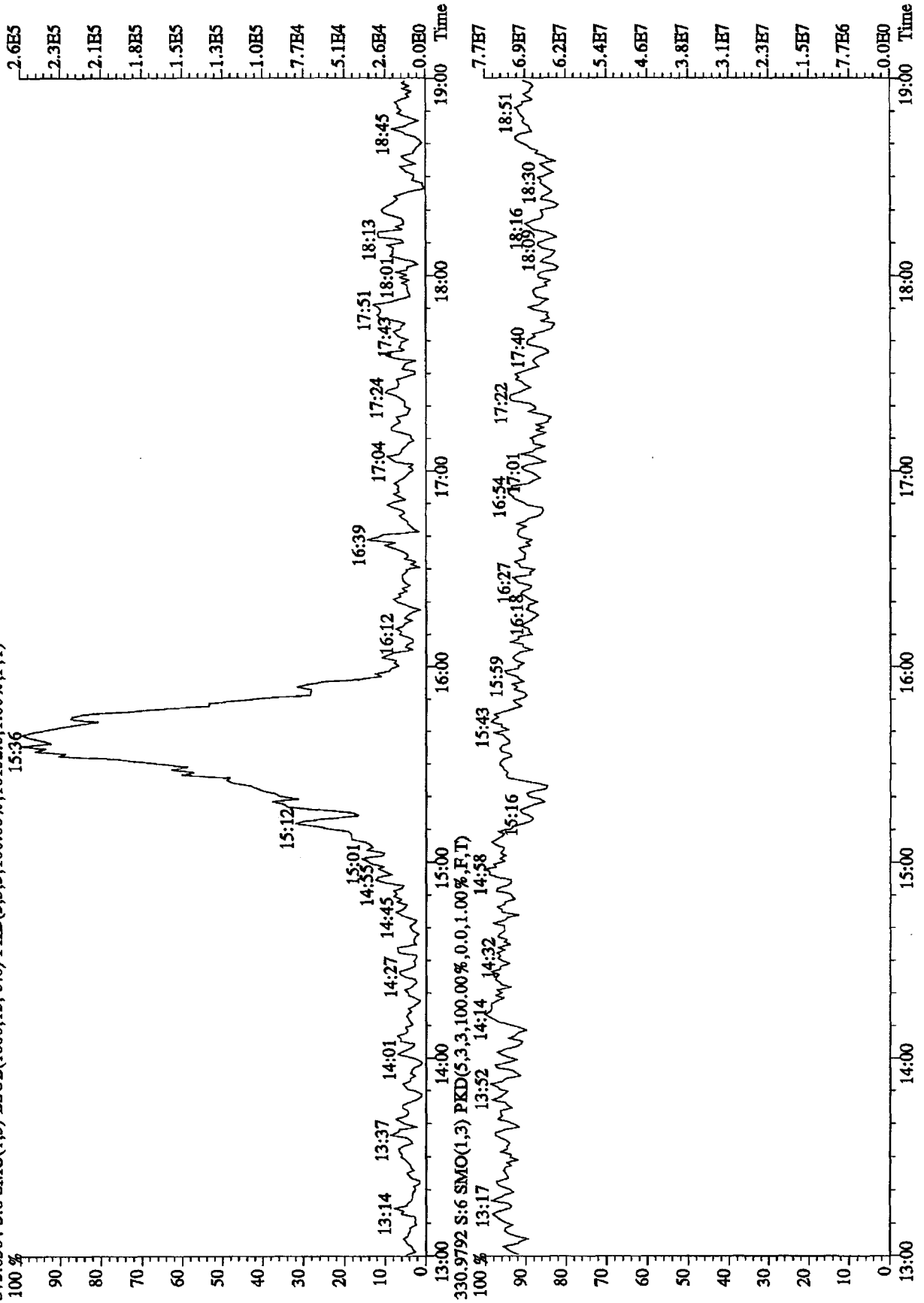
331.9368 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,35932,0,1.00%,F,T)
 A8.02E7



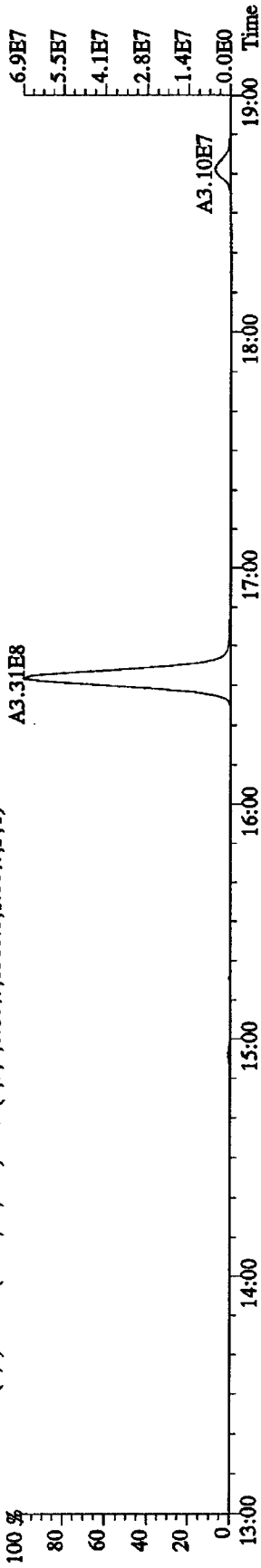
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21788,0,1.00%,F,T)
 A1.02E8



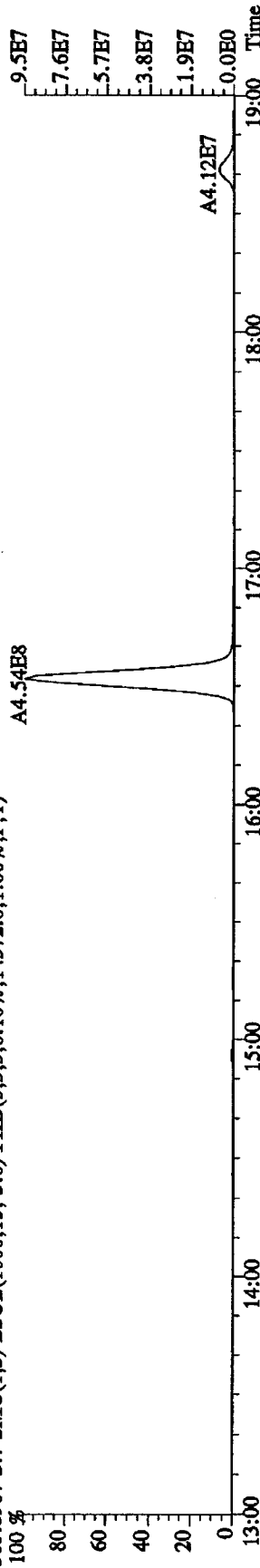
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:04:28 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1214C :10DXN506 CS41214C KSS Exp:DB225RES
 375.8364 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,16152.0,1.00%,F,T)



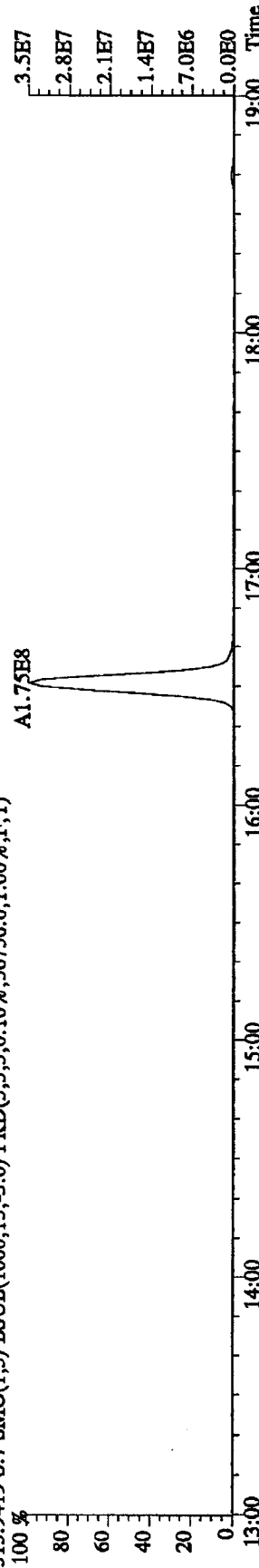
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8380.0,1.00%,F,T)



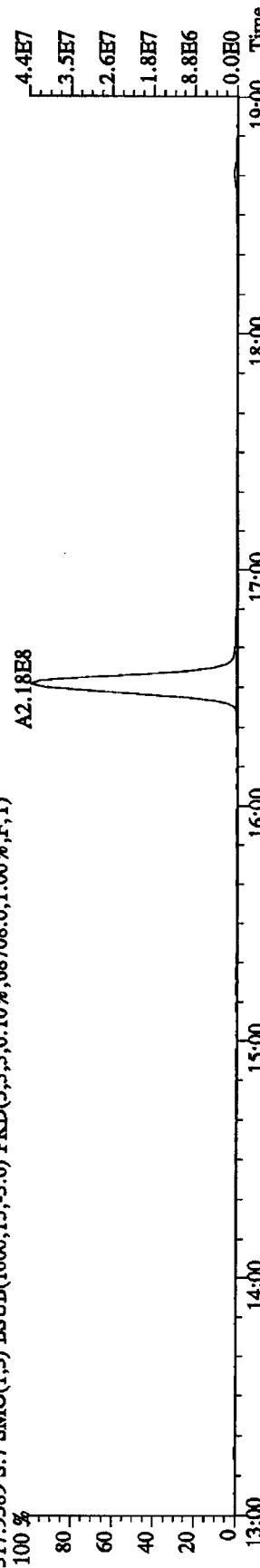
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14372.0,1.00%,F,T)



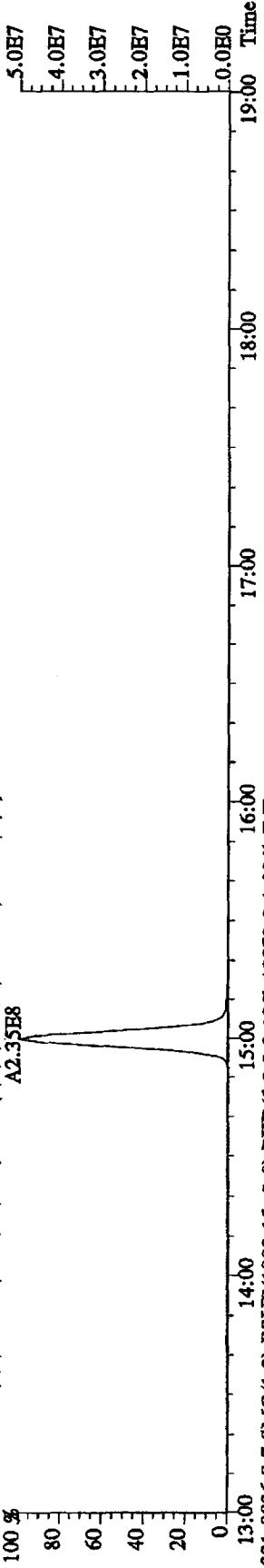
315.9419 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56756.0,1.00%,F,T)



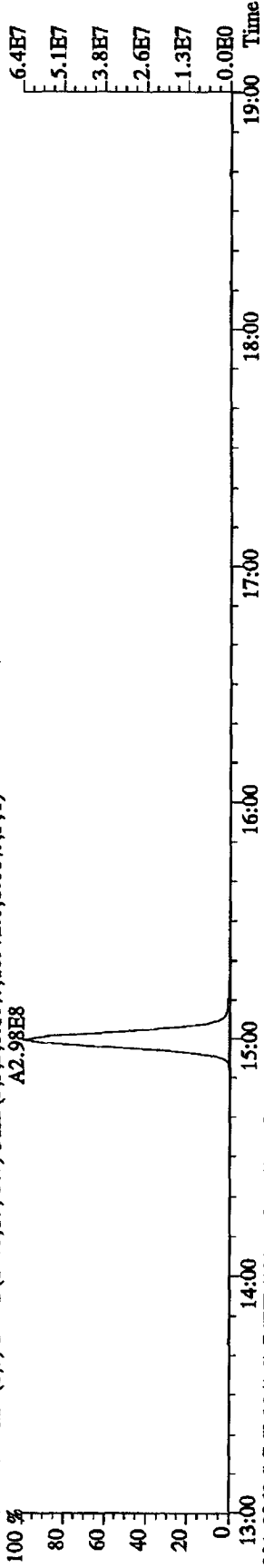
317.9389 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68708.0,1.00%,F,T)



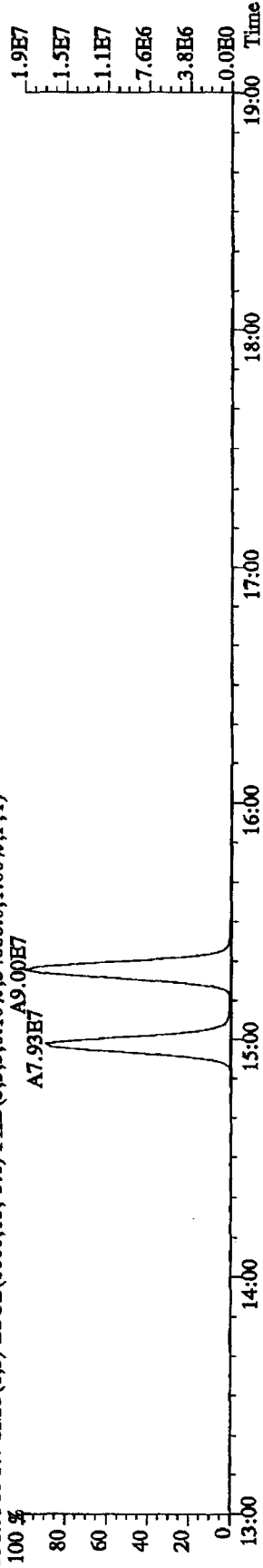
File:14DB10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11288.0,1.00%,F,T)
 A2.35E8



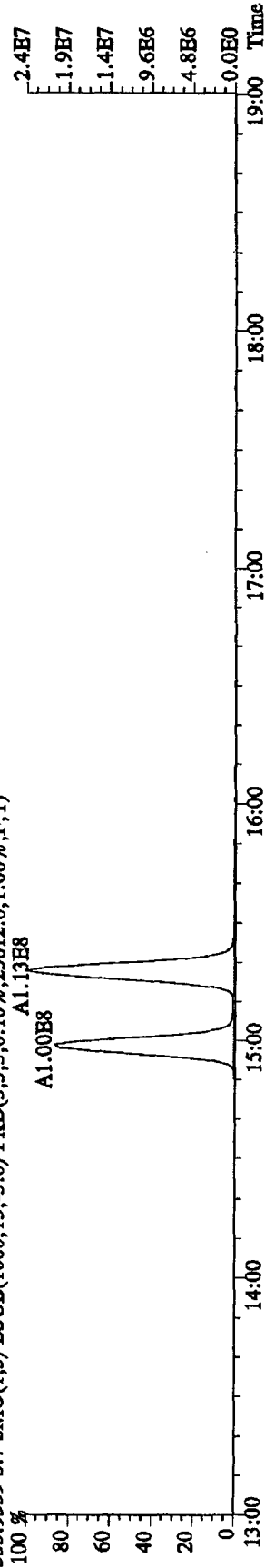
321.8936 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18972.0,1.00%,F,T)
 A2.98E8



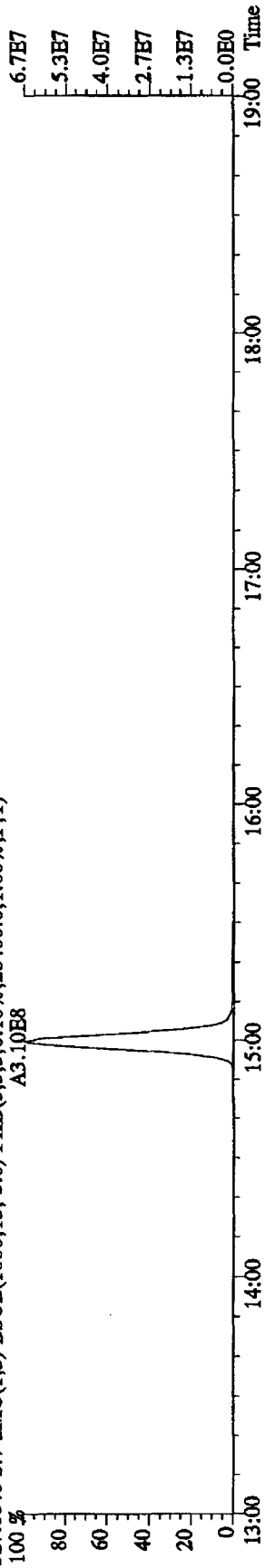
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34688.0,1.00%,F,T)
 A7.93E7
 A9.00E7



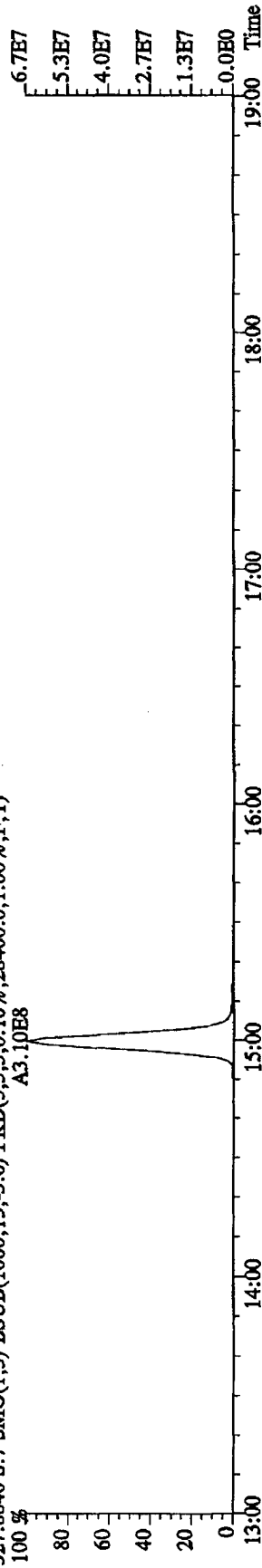
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25612.0,1.00%,F,T)
 A1.13E8
 A1.00E8



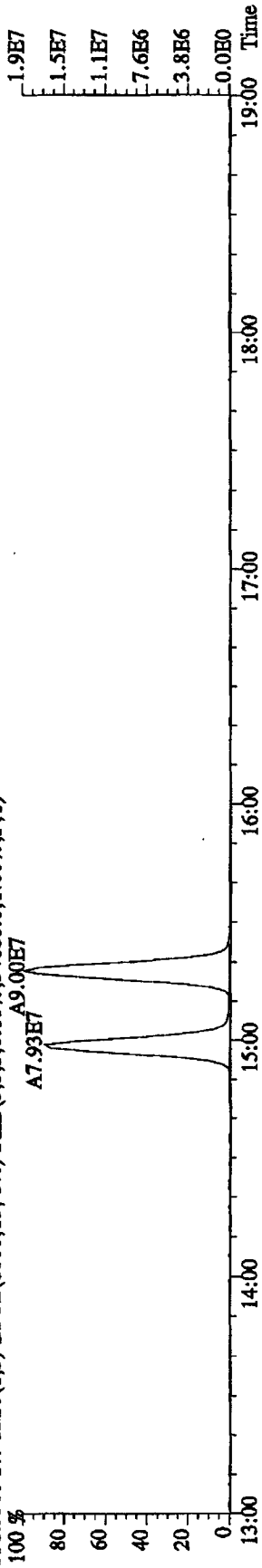
File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST1214D :10DXN507 CS51214D KSS Exp:DB225RES
 327.8840 S:7 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28400.0,1.00%,F,T)
 A3.10E8



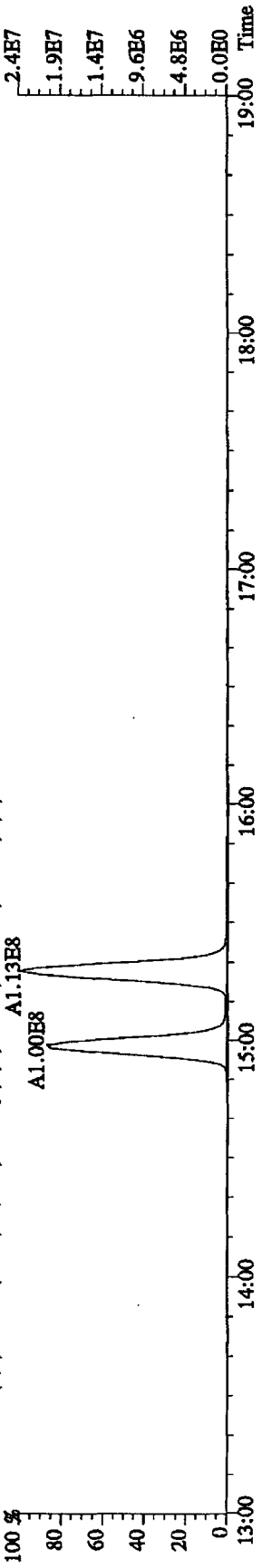
327.8840 S:7 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28400.0,1.00%,F,T)
 A3.10E8



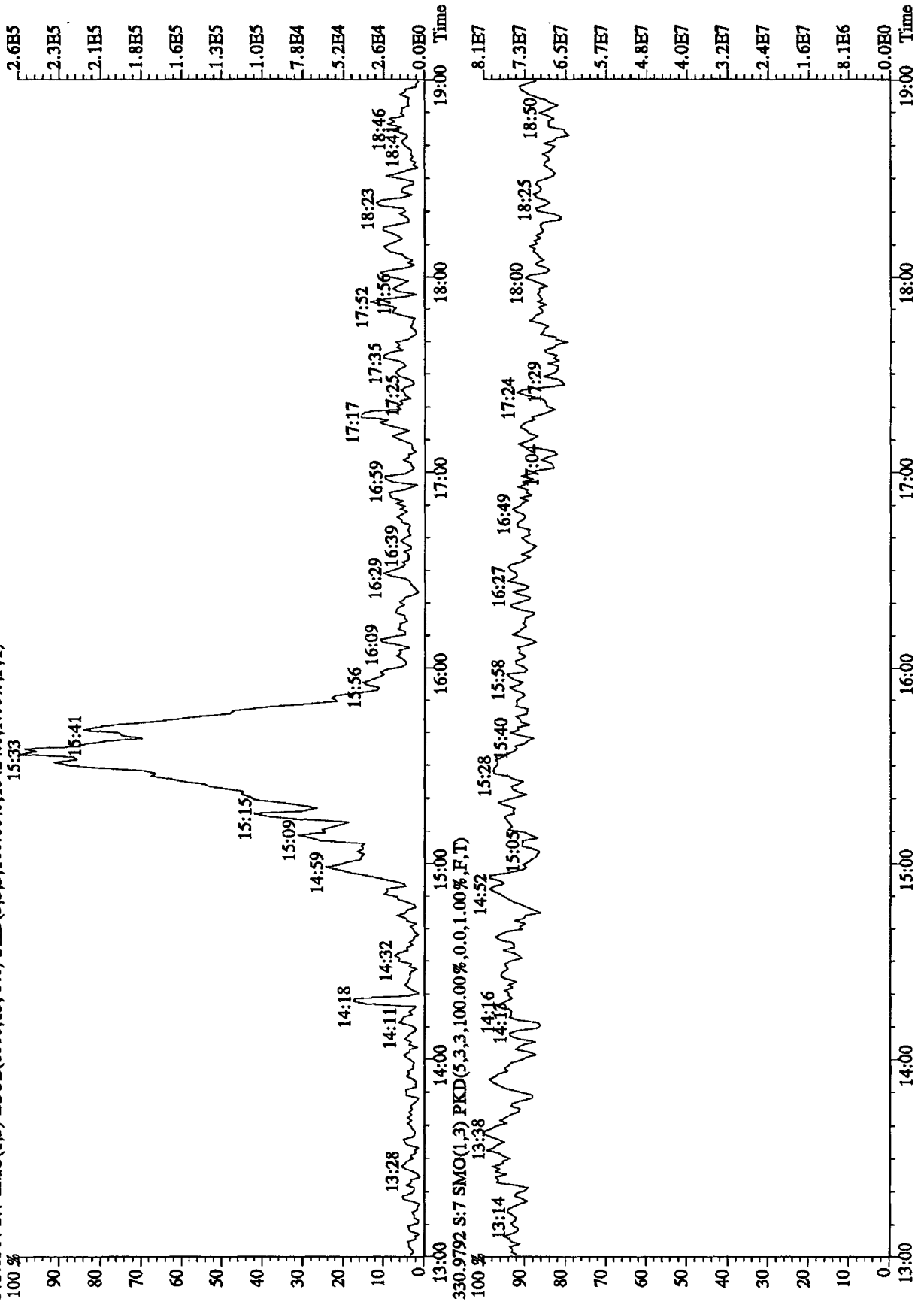
331.9368 S:7 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34688.0,1.00%,F,T)
 A9.00E7



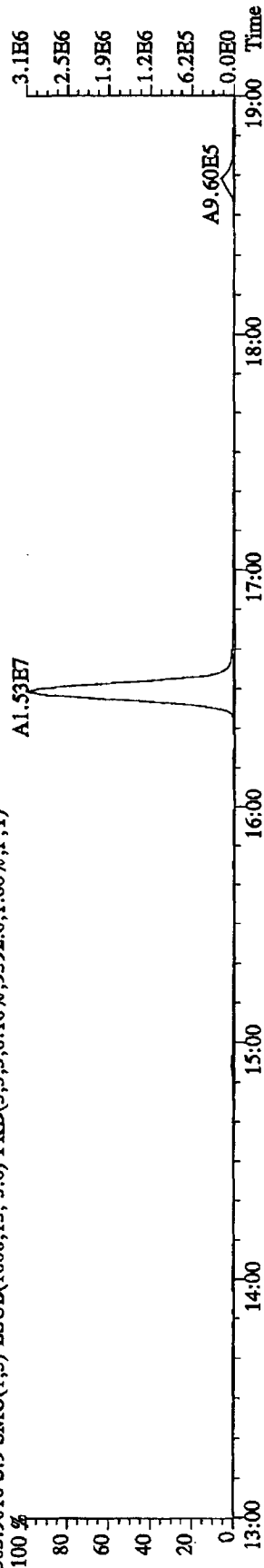
333.9339 S:7 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25612.0,1.00%,F,T)
 A1.13E8



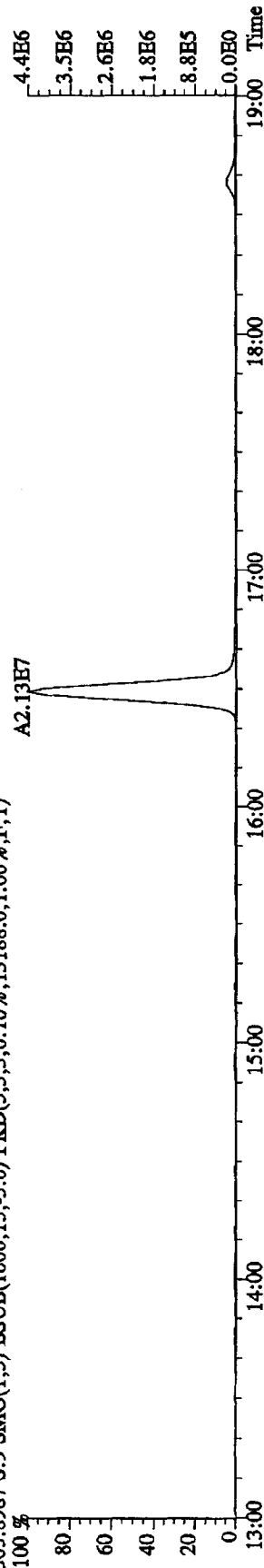
File: 14DE10B5D2 #1-1241 Acq: 14-DEC-2010 16:40:49 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST1214D : 10DXN507 CS51214D KSS Exp: DB225RES
 375.8364 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,15424,0,1.00%,F,T)
 100 % 15:33



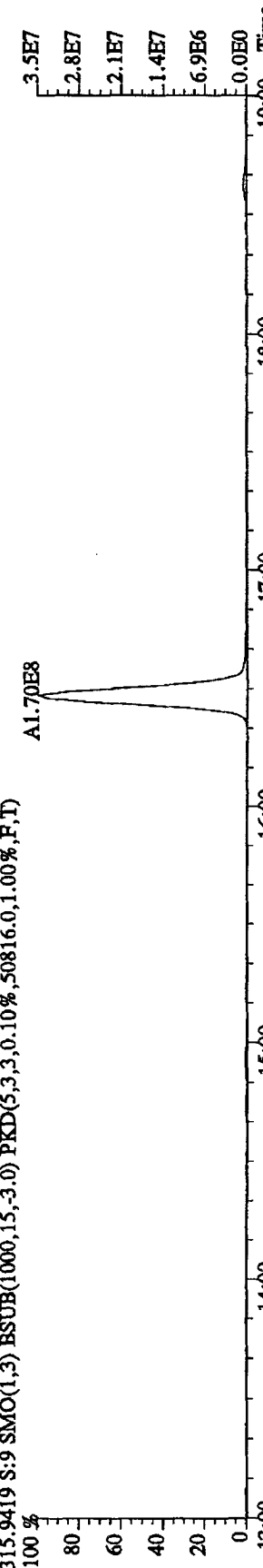
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC EI+ Voltage SIR 70SB
 Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RES
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,9392.0,1.00%,F,T)



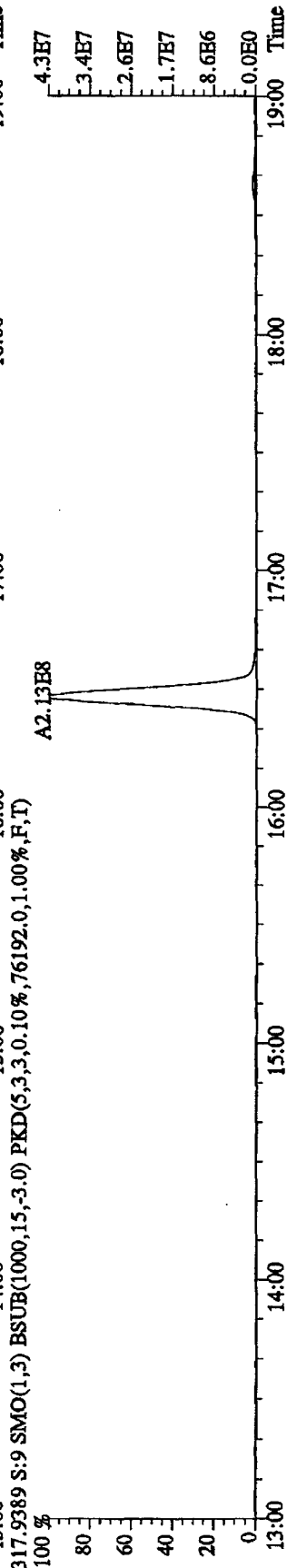
305.8987 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,13188.0,1.00%,F,T)



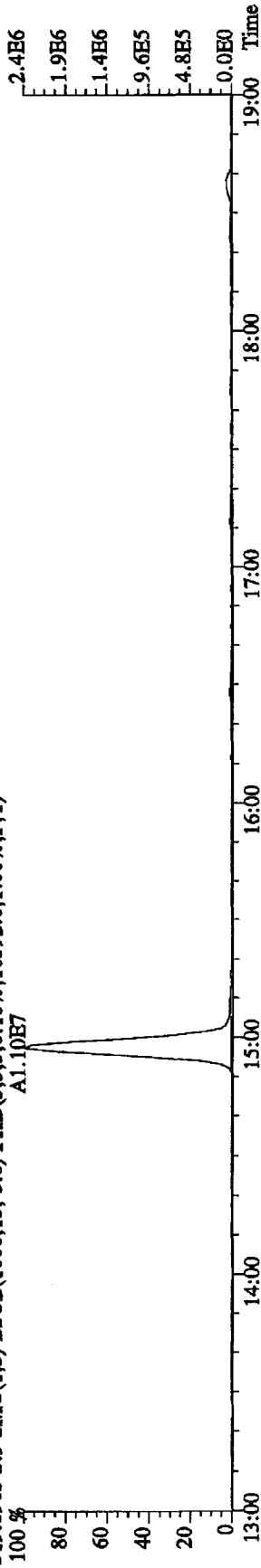
315.9419 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,50816.0,1.00%,F,T)



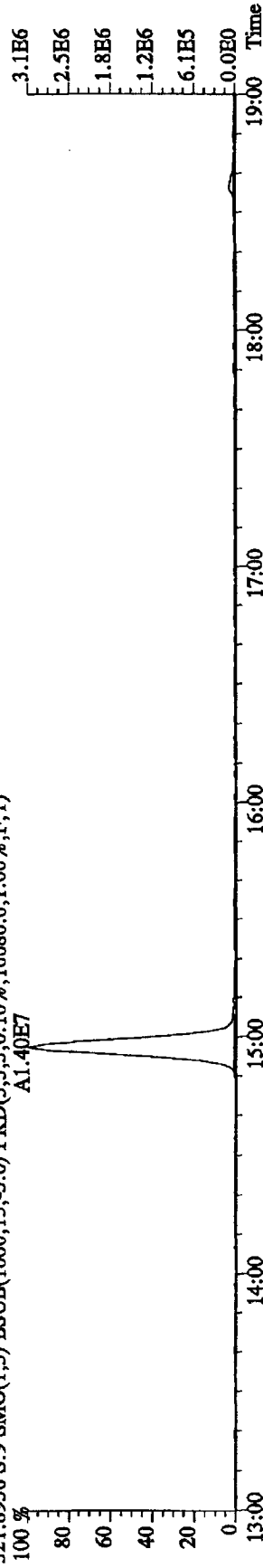
317.9389 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,76192.0,1.00%,F,T)



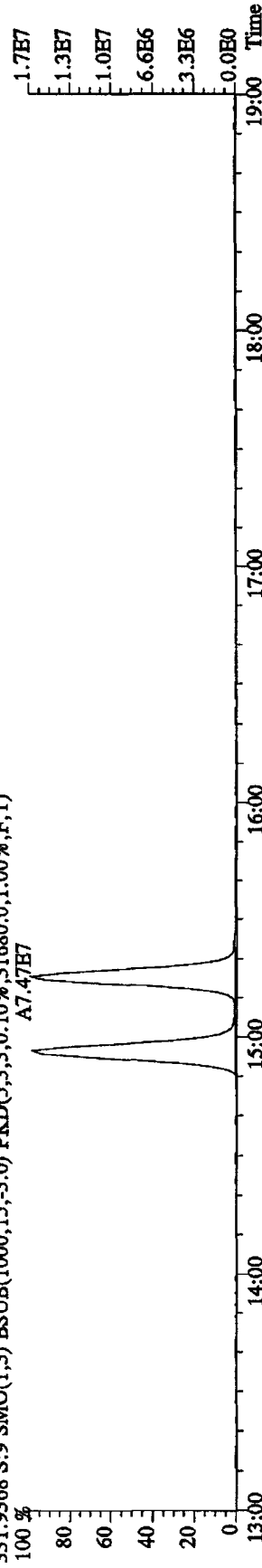
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC HI+ Voltage SIR 70SE
 Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RES
 319.8965 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10392.0,1.00%,F,T)
 A1.10E7



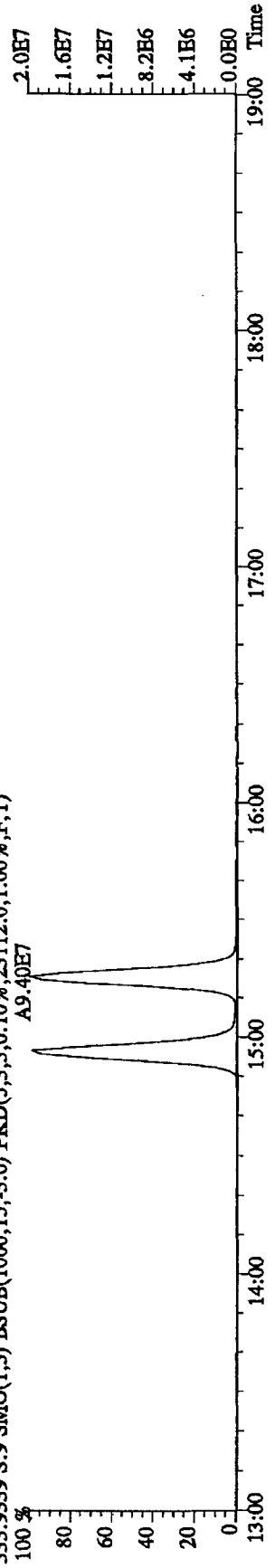
321.8936 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16680.0,1.00%,F,T)
 A1.40E7



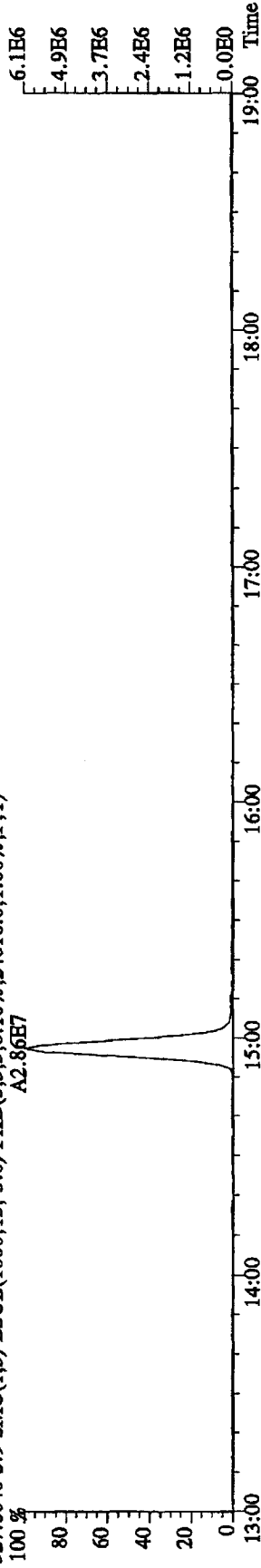
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31680.0,1.00%,F,T)
 A7.47E7



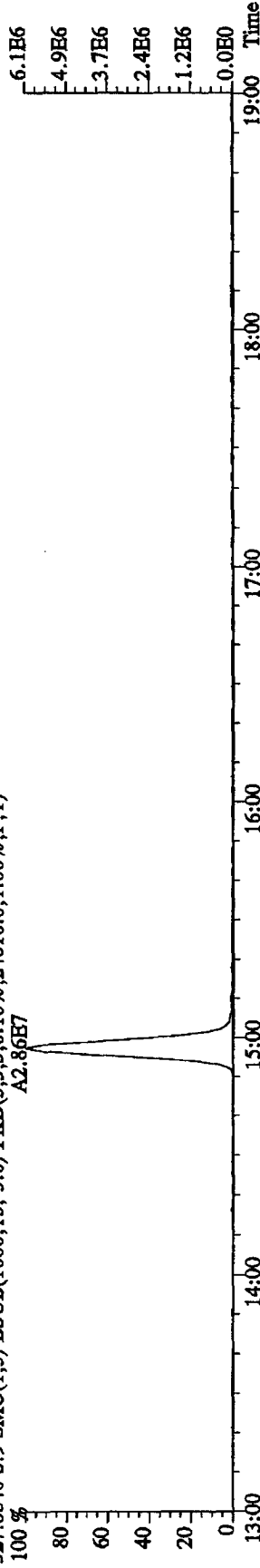
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23112.0,1.00%,F,T)
 A9.40E7



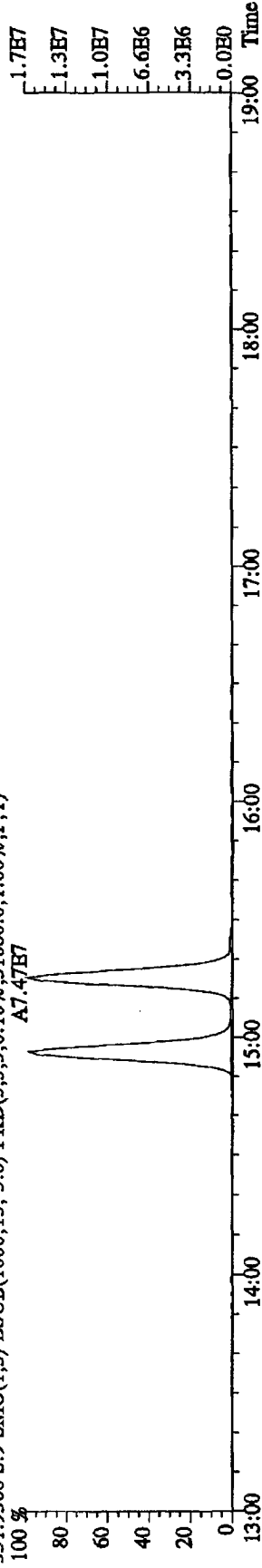
File:14DE10B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC BI+ Voltage SIR 70SE
 Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RES
 327.8840 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24616.0,1.00%,F,T)
 100 % A2.86E7



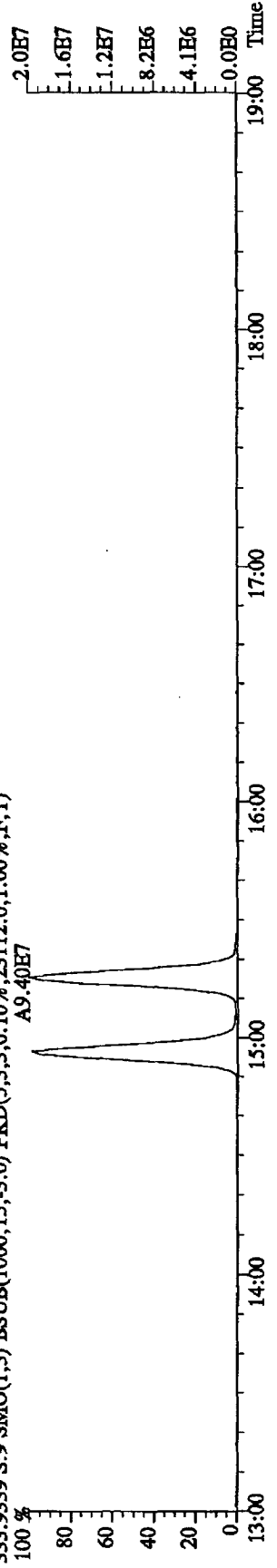
331.9368 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31680.0,1.00%,F,T)
 100 % A7.47E7



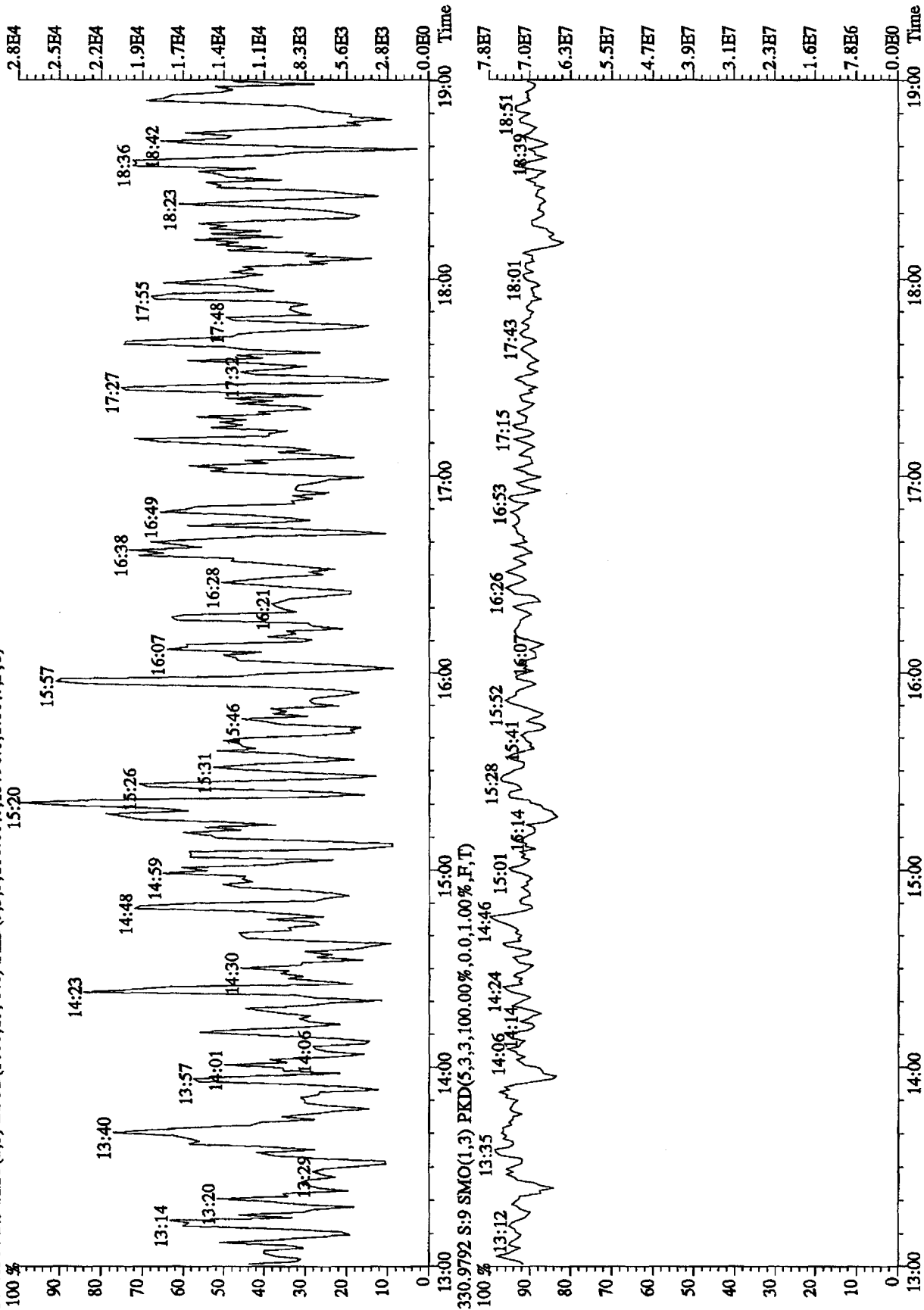
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23112.0,1.00%,F,T)
 100 % A9.40E7



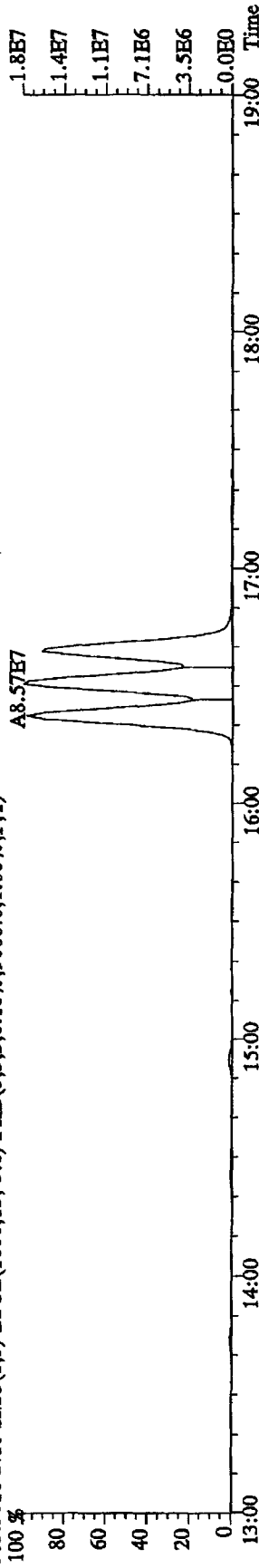
333.9339 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,23112.0,1.00%,F,T)
 100 % A9.40E7



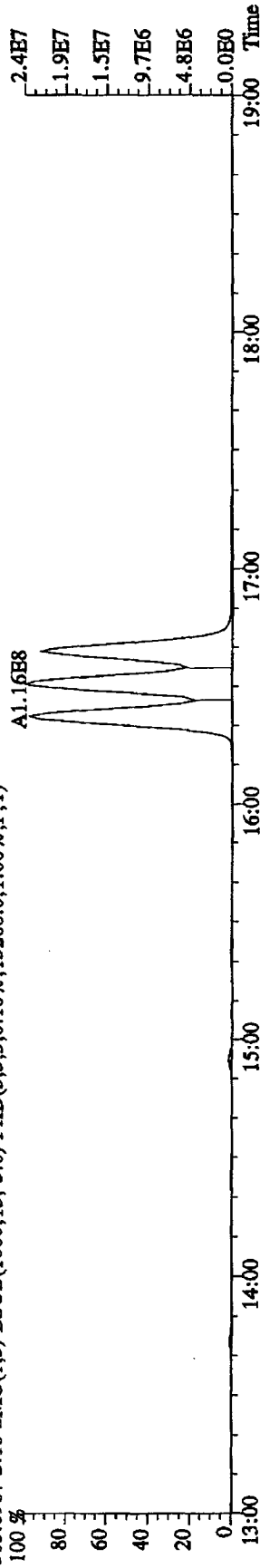
File:14DEI0B5D2 #1-1242 Acq:14-DEC-2010 17:53:39 GC EI+ Voltage SIR 70SE
Sample#9 Text:ST1214E :10DXN340 Second Source KSS Exp:DB225RBS
375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,13796.0,1.00%,F,T)
15:20



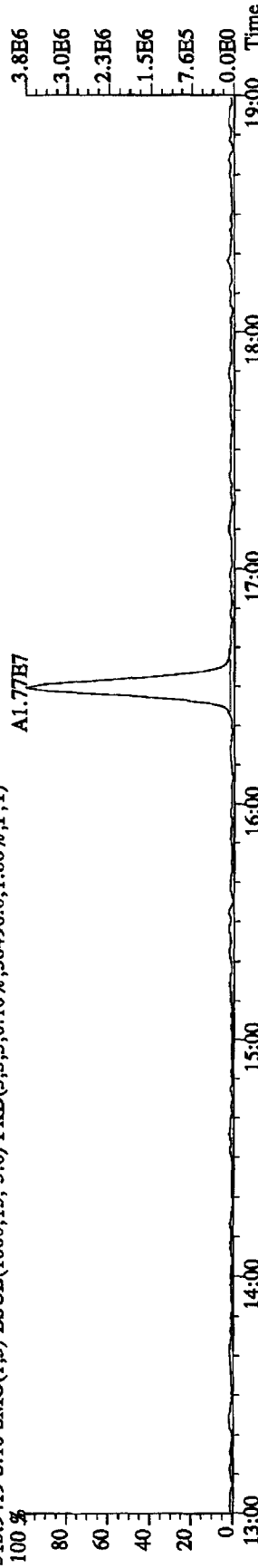
File:14DEI0B5D2 #1-1241 Acq:14-DEC-2010 18:30:04 GC EI+ Voltage SIR 70SB
 Sample#10 Text:CP1214A :DB-225 3732-11 CPS1214A KSS Exp:DB225RES
 303.9016 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9000.0,1.00%,F,T)



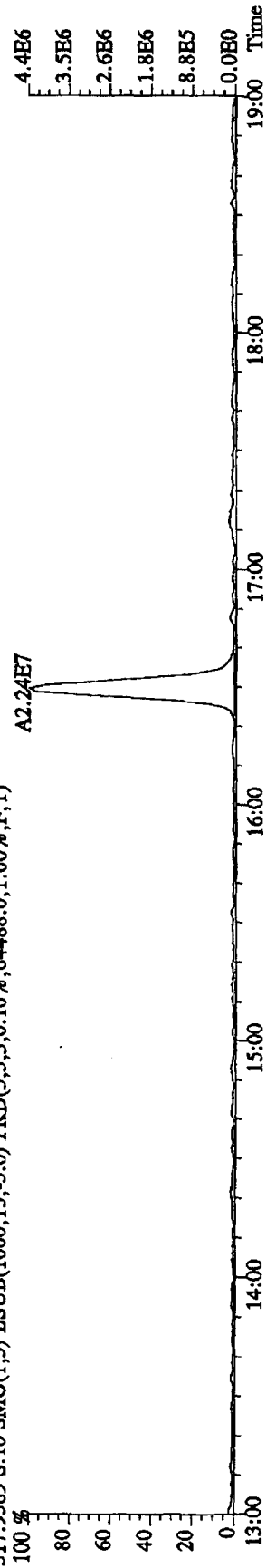
305.8987 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13268.0,1.00%,F,T)



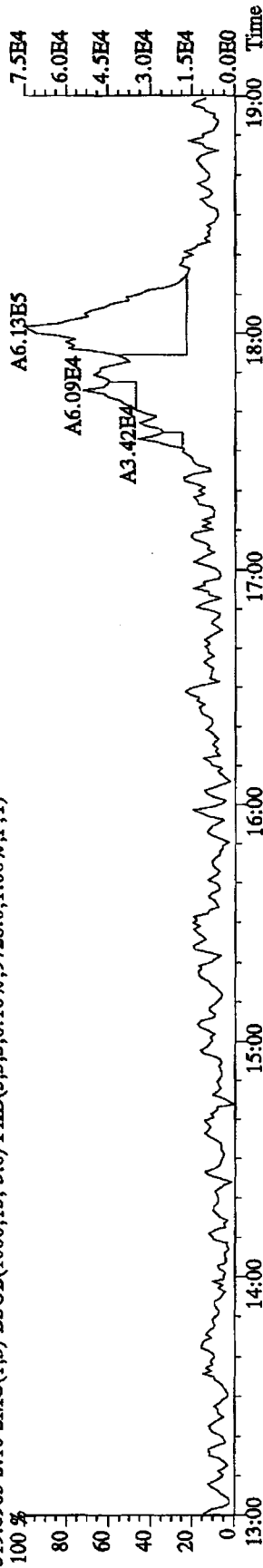
315.9419 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,58496.0,1.00%,F,T)



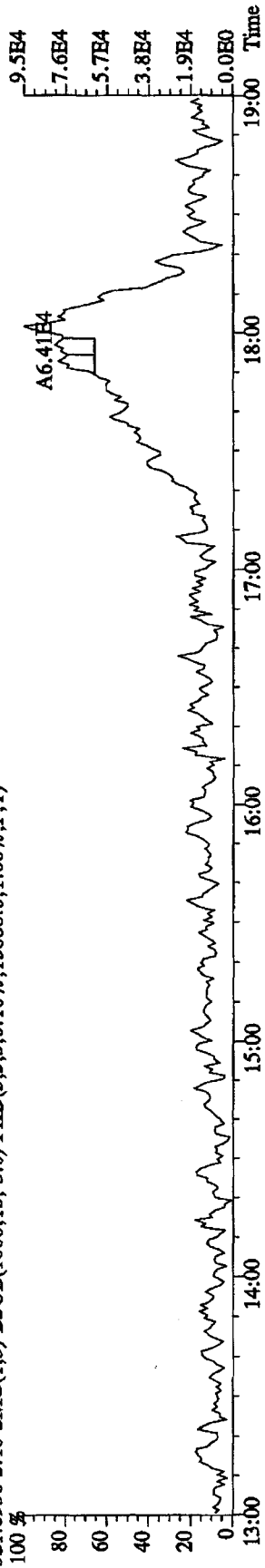
317.9389 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64488.0,1.00%,F,T)



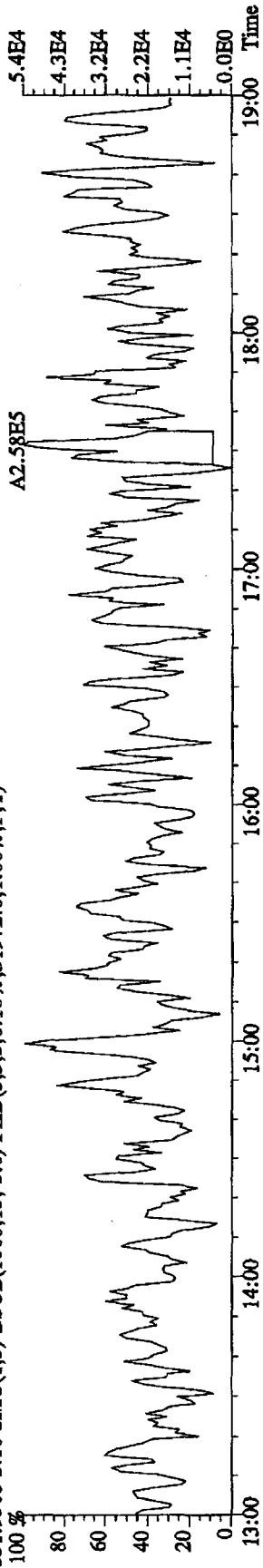
File: 14DE10B5D2 #1-1241 Acq: 14-DEC-2010 18:30:04 GC EI+ Voltage SIR 70SE
 Sample#10 Text: CP1214A :DB-225 3732-11 CPS1214A KSS Exp:DB225RES
 319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9728.0,1.00%,F,T)



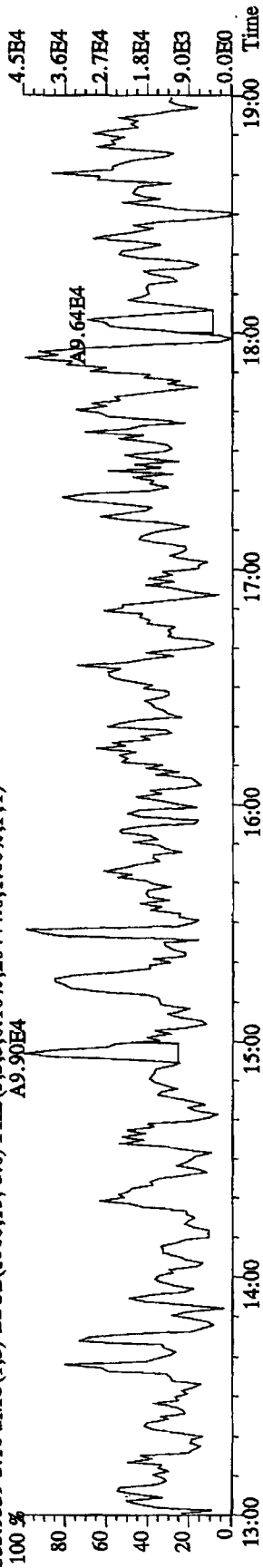
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15888.0,1.00%,F,T)



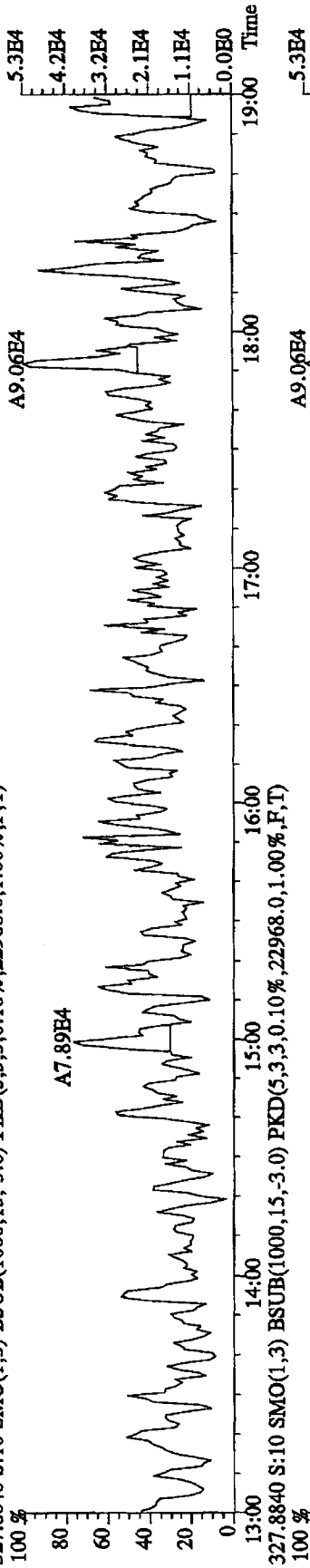
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31972.0,1.00%,F,T)



333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20444.0,1.00%,F,T)

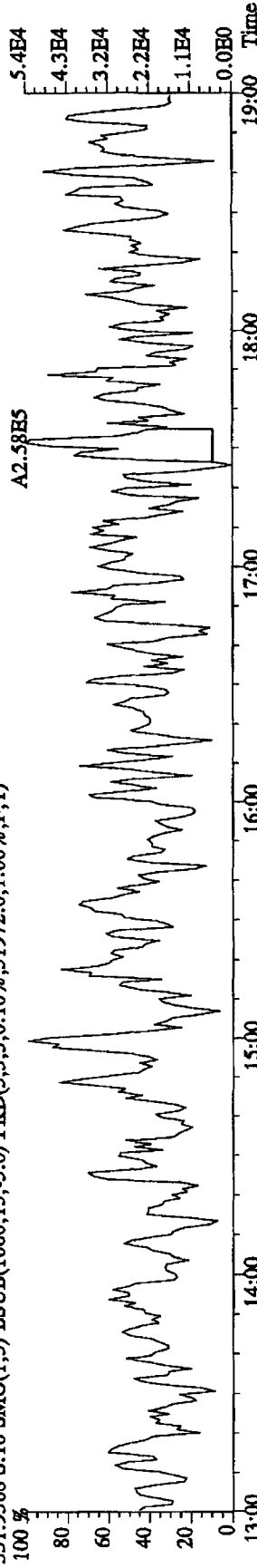


File:14DE10B5D2 #1-1241 Acq:14-DEC-2010 18:30:04 GC.EI+ Voltage SIR 70SE
Sample#10 Text:CP1214A :DB-225 3732-11 CPS1214A KSS Exp:DB225RRES
327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,22968.0,1.00%,F,T)

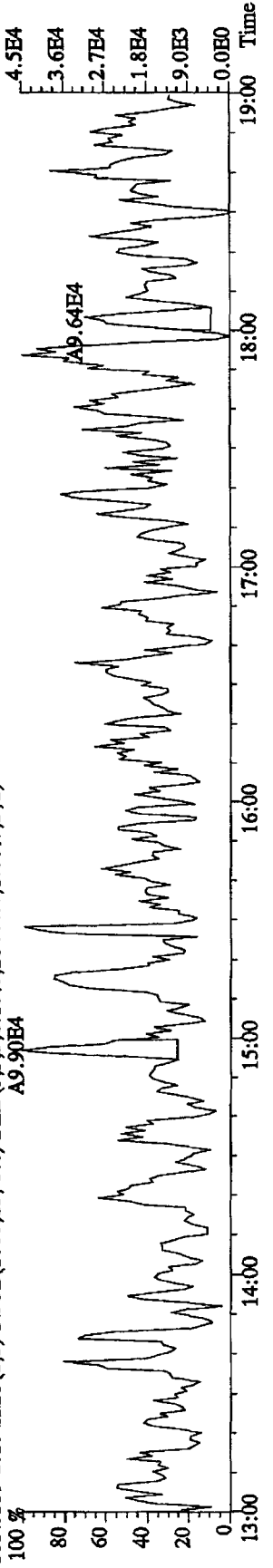


327.8840 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,22968.0,1.00%,F,T)

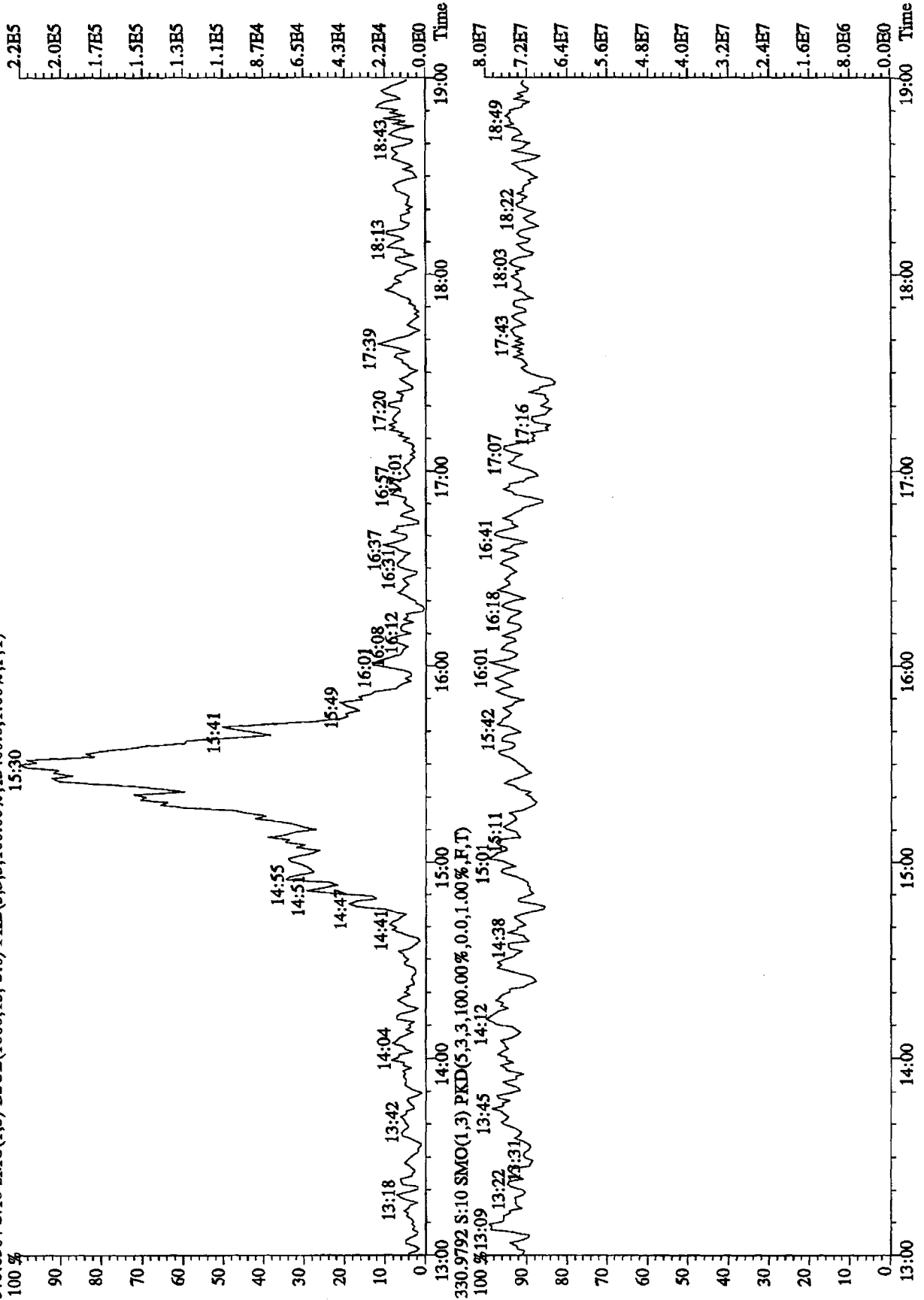
331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,31972.0,1.00%,F,T)



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:14DB10B5D2 #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)



Sample Extraction/Preparation Log
Copies and Checklists

**TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Air Extraction**

Batch: 0349402
MS Run #: 12/15/2010
Prep Date: 12/15/2010

Internal COC:	
Delivered to Inst.:	JR/17/10
Inst Receipt:	

Method: IK TO-9
Matrix: S AIR
Extraction: 11 SOXHLET (NONE, Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: IK - S - 11 - 3W

Soxhlet time on: 1:40
Soxhlet time off: 9:05
(12/15/10)

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
					20uL	Other				
GOL140439 - 2		MCAHW1AA	12/16/2010	1.0	✓		1/24/2011			5
GOL140439 - 5		MCAH31AA	12/16/2010	1.0	✓		1/24/2011			7
GOL140439 - 8		MCAH71AA	12/17/2010	1.0	✓		1/24/2011			6
GOL140439 - 11		MCAJC1AA	12/17/2010	1.0	✓	12/17/10	1/24/2011	12/17/10		5
GOL150000 - 402	B	MCEK81AA	12/16/2010	1.0	✓		1/24/2011			5
GOL150000 - 402	C	MCEK81AC	12/16/2010	1.0	✓		1/24/2011			7
GOL150000 - 402	L	MCEK81AD	12/16/2010	1.0	✓		1/24/2011			6

R I LCS and DCS

OS
12-10-10

12/18/10
copied by ms

DB225 inj.
#2 28. pg
#5 15. pg
#8 19. pg
#11 16. pg

Totals 12/21

Shared QC Batch: 0349403
Shares QC With: GOL140317
Push

Reagent	Supplier	Lot #
Toluene	Baker	JANSS
Hexane	Baker	J35E49
H2SO4	Baker	NA
20% DCM:Hexane	NA	3630-88C
65% DCM:Hexane	NA	3630-88F
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	NA	4022-11A
Acid Alumina	MP	79
5% Carbon:Silica Gel	NA	NA

* See attached sheet for sample volumes recorded from scale

Comments/NCMs:

ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
2.0mL / 10DXU598 / 4290/1673 Daily IS	10/27/11	[Signature]	TP	12/15/10
100µL / 10DXU431 / 4290/1673 Daily NS	9/2/11	[Signature]	TP	12/15/10
200µL / 10DXU429 / TO-9 Burr	7/19/11	[Signature]	TP	12/15/10
20µL 10DXU578	10/28/11	[Signature]	[Signature]	12/17/10
Soxhlet Extraction Analyst/Date				
[Signature] 12.15.10				
Split/Archive Analyst/Date	T.L 12/17/10	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
			T.L 12/17/10	

Data Checklist
HRGCMS/LRGCMS Analyses

Batch #: 0349402 Method ID: Dioxins/Furans, HRGC/HRMS (TO-9)

DB-5
Data Analyst: OS
Date initiated: 12-21-10
Reviewer: MH
Date reviewed: 12/21/10

DB-225
Data Analyst: OS
Date initiated: 12-21-10
Reviewer: _____
Date reviewed: _____

QA/QC verification:

	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> 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:

	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> 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 / <u>LCL</u> (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	NA

Comments: (Use other side if necessary)

(L) Ser/Ken

*** Recovery limits:**

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

****RPD limits:**

50%
20%
50%
50%
50%

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/17/10
Time: 15:13:59

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
-	-	-	-

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

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to Analytical Group
Bench Sheet Copied per COC

Extractionist: 403162 erica X. larson

Concentrationist: 006625 Elizabeth Nguyen

* QC BATCH: 0349402 *
* *****

PREP DATE: 12/15/10 16:00
COMP DATE: 12/17/10 15:00

Reviewer/Date: NGUYENE / 12/17/10

Dioxins/Furans, HRGC/HRMS (TO-9)
SOXHLET (NONE, Na2SO4)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT WT/VOL	PH'S	ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	SPIKE STANDARD/ SURROGATE ID
12/16/10	12/21/10	GOL140439-002 MCAHW-1-AA	R 11 IK AIR			0.55sample 20.00uL	NA	NA	NA	TOL	700.0	700.0	2.0ML/10DXN598/8290 IS
COMMENTS:													
12/16/10	12/21/10	GOL140439-005 MCAH3-1-AA	R 11 IK AIR			0.55sample 20.00uL	NA	NA	NA	TOL	700.0	700.0	2.0ML/10DXN598/8290 IS
COMMENTS:													
12/17/10	12/21/10	GOL140439-008 MCAH7-1-AA	R 11 IK AIR			0.55sample 20.00uL	NA	NA	NA	TOL	700.0	700.0	2.0ML/10DXN598/8290 IS
COMMENTS:													
12/17/10	12/21/10	GOL140439-011 MCAJC-1-AA	R 11 IK AIR			0.55sample 20.00uL	NA	NA	NA	TOL	700.0	700.0	2.0ML/10DXN598/8290 IS
COMMENTS:													
12/16/10	0/00/00	GOL150000-402 MCEK8-1-AAB	11 IK AIR			0.55sample 20.00uL	NA	NA	NA	TOL	700.0	700.0	200UL/10DXN429/TO-9 SURR 2.0ML/10DXN598/8290 IS
COMMENTS:													
12/16/10	0/00/00	GOL150000-402 MCEK8-1-ACC	11 IK AIR			0.55sample 20.00uL	NA	NA	NA	TOL	700.0	700.0	100UL/10DXN431/8290 NS 2.0ML/10DXN598/8290 IS
COMMENTS:													
12/16/10	0/00/00	GOL150000-402 MCEK8-1-ADL	R 11 IK AIR			0.55sample 20.00uL	NA	NA	NA	TOL	700.0	700.0	100UL/10DXN431/8290 NS 2.0ML/10DXN598/8290 IS
COMMENTS:													

R = RUSH C = CLP
E = EPA 600 D = EXP. DEL)

NUMBER OF WORK ORDERS IN BATCH: 7

M = CLIENT REQ MS/MSD
↓

Preparation Data Review Checklist

Prep Batch(es) 0349402

Test: 70-9

Prep Date: 12/15/10

Holding Times: 12/16-12/17/10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	/	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	✓
5. Spiking volumes are correctly documented	/	✓
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	✓
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	✓
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: AP

Date: 12/15/10

2nd Level Reviewer: MW

Date: 12/17/10

Comments:

AIR, Metals by ICPMS (As and Mn)

Raw Data Package

ICPMS

Instrument ID (Circle one): M01 M02		Method 6020 SOP SAC-MT-0001		
File Number 101219 A1	Batch Numbers	Date 12-19-10	Analyst SH	
Lot Numbers 60160434, 60170458, 60140439		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: run 60160434-5 and 60170458-5 missed sample
^{SH 12-20-10}

REVIEWED BY: BFV	DATA ENTERED BY: SH
DATE: 12/20/10	DATE: 12-20-10

Dataset Report

Perkin Elmer ICPMS M01
SOP No. SAC-MT-0001
Method 6020,200.8

User Name: metal

Computer Name: SACP317BFB

Dataset File Path: c:\elandata\dataset\101219a1\

Report Date/Time: Monday, December 20, 2010 06:28:31

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE SHARGRAVE	13:01:49 Sun 19-Dec-10	Sample	
	TUNE SHARGRAVE	13:05:49 Sun 19-Dec-10	Sample	
	DAILY SHARGRAVE	13:10:50 Sun 19-Dec-10	Sample	
	Rinse 2X	13:17:54 Sun 19-Dec-10	Sample	
	Blank	13:21:59 Sun 19-Dec-10	Blank	
	Standard 1	13:25:59 Sun 19-Dec-10	Standard #1	
	ICV	13:29:43 Sun 19-Dec-10	Sample	
	ICB	13:33:33 Sun 19-Dec-10	Sample	
	LLSTD1	13:37:20 Sun 19-Dec-10	Sample	LLSTD@10X → out Mn
	ICSA	13:42:00 Sun 19-Dec-10	Sample	
	ICSAB	13:53:19 Sun 19-Dec-10	Sample	
	Rinse	14:00:47 Sun 19-Dec-10	Sample	
	CCV 1	14:08:18 Sun 19-Dec-10	Sample	
	CCB 1	14:12:08 Sun 19-Dec-10	Sample	Recal
	CCV 2	14:15:57 Sun 19-Dec-10	Sample	
	CCB 2	14:19:47 Sun 19-Dec-10	Sample	
	LLSTD1	14:23:35 Sun 19-Dec-10	Sample	LLSTD@10X ✓
350251	MCFEAB	14:43:57 Sun 19-Dec-10	Sample	GOL160000-251 BLK
350251	MCFEAC	14:47:39 Sun 19-Dec-10	Sample	GOL160000-251 LCS
350251	MCFEAL	14:51:19 Sun 19-Dec-10	Sample	GOL160000-251 LCSD
350251	MCE8A	14:54:59 Sun 19-Dec-10	Sample	GOL160434-1
350251	MCE8AP5	14:58:40 Sun 19-Dec-10	Sample	GOL160434-1 5X
350251	MCE8AX	15:02:21 Sun 19-Dec-10	Sample	GOL160434-1 DU
350251	MCE8AZ	15:06:02 Sun 19-Dec-10	Sample	GOL160434-1 PS
	CCV 3	15:09:50 Sun 19-Dec-10	Sample	
	CCB 3	15:13:40 Sun 19-Dec-10	Sample	
	CCV 4	15:17:30 Sun 19-Dec-10	Sample	
	CCB 4	15:21:20 Sun 19-Dec-10	Sample	
350251	MCE8C	15:25:03 Sun 19-Dec-10	Sample	GOL160434-2
350251	MCE8D	15:28:45 Sun 19-Dec-10	Sample	GOL160434-3
350251	MCE8E	15:32:28 Sun 19-Dec-10	Sample	GOL160434-4
350251	MCE8G	15:36:11 Sun 19-Dec-10	Sample	GOL160434-6 → missing #5
350251	MCG43	15:39:55 Sun 19-Dec-10	Sample	GOL170458-1
	CCV 5	15:43:44 Sun 19-Dec-10	Sample	
	CCB 5	15:47:34 Sun 19-Dec-10	Sample	
	CCV 6	15:51:24 Sun 19-Dec-10	Sample	
	CCB 6	15:55:14 Sun 19-Dec-10	Sample	
351287	MCHWXB	15:58:59 Sun 19-Dec-10	Sample	GOL170000-287 BLK
351287	MCHWXC	16:02:42 Sun 19-Dec-10	Sample	GOL170000-287 LCS
351287	MCHWXL	16:06:23 Sun 19-Dec-10	Sample	GOL170000-287 LCSD
351287	MCG43P5	16:10:05 Sun 19-Dec-10	Sample	GOL170458-1 5X
351287	MCG43X	16:13:50 Sun 19-Dec-10	Sample	GOL170458-1 DU
351287	MCG43Z	16:17:35 Sun 19-Dec-10	Sample	GOL170458-1 PS
351287	MCG48	16:21:20 Sun 19-Dec-10	Sample	GOL170458-2
351287	MCG5C	16:25:06 Sun 19-Dec-10	Sample	GOL170458-3
351287	MCG5F	16:28:52 Sun 19-Dec-10	Sample	GOL170458-4 → missing #5
351287	MCAHT	16:36:26 Sun 19-Dec-10	Sample	GOL140439-1
	CCV 7	16:40:17 Sun 19-Dec-10	Sample	
	CCB 7	16:44:06 Sun 19-Dec-10	Sample	

	CCV 8	16:47:57 Sun 19-Dec-10	Sample	
	CCB 8 <i>> Recal</i>	16:50:39 Sun 19-Dec-10	Sample	<i>> out down method</i>
	CCV 9	16:53:21 Sun 19-Dec-10	Sample	
	CCB 9	16:56:04 Sun 19-Dec-10	Sample	
351286	MCHWRB	16:58:42 Sun 19-Dec-10	Sample	GOL170000-286 BLK
351286	MCHWRC	17:01:19 Sun 19-Dec-10	Sample	GOL170000-286 LCS
351286	MCHWRL	17:03:53 Sun 19-Dec-10	Sample	GOL170000-286 LCSD
351286	MCAHTP5	17:06:30 Sun 19-Dec-10	Sample	GOL140439-1 5X
351286	MCAHTZ	17:09:07 Sun 19-Dec-10	Sample	GOL140439-1 PS
351286	MCAH0	17:11:40 Sun 19-Dec-10	Sample	GOL140439-4
351286	MCAH6	17:14:14 Sun 19-Dec-10	Sample	GOL140439-7
351286	MCAJA	17:16:48 Sun 19-Dec-10	Sample	GOL140439-10
351286	XXX	17:19:22 Sun 19-Dec-10	Sample	XXX
	CCV 10	17:22:03 Sun 19-Dec-10	Sample	
	CCB 10	17:24:45 Sun 19-Dec-10	Sample	

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 12/20/10 07:03:53

File ID: 101219A1

Analyst: hargraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Rinse 2X			2.0	12/19/10 13:17		<input type="checkbox"/>
2	Blank			1.0	12/19/10 13:21		<input type="checkbox"/>
3	Standard1			1.0	12/19/10 13:25		<input type="checkbox"/>
4	ICV			1.0	12/19/10 13:29		<input type="checkbox"/>
5	ICB			1.0	12/19/10 13:33		<input type="checkbox"/>
6	LLSTD1			1.0	12/19/10 13:37		<input type="checkbox"/>
7	ICSA			1.0	12/19/10 13:42		<input type="checkbox"/>
8	ICSAB			1.0	12/19/10 13:53		<input type="checkbox"/>
9	Rinse			1.0	12/19/10 14:00		<input type="checkbox"/>
10	CCV 1			1.0	12/19/10 14:08		<input type="checkbox"/>
11	CCB 1			1.0	12/19/10 14:12		<input type="checkbox"/>
14	CCV 2			1.0	12/19/10 14:15		<input type="checkbox"/>
15	CCB 2			1.0	12/19/10 14:19		<input type="checkbox"/>
16	LLSTD1			1.0	12/19/10 14:23		<input type="checkbox"/>
17	MCFEAB	GOL160000	0350251	2A	1.0	12/19/10 14:43	<input type="checkbox"/>
18	MCFEAC	GOL160000	0350251	2A	1.0	12/19/10 14:47	<input type="checkbox"/>
19	MCFEAL	GOL160000	0350251	2A	1.0	12/19/10 14:51	<input type="checkbox"/>
20	MCE8A	GOL160434-1	0350251	2A	1.0	12/19/10 14:54	<input type="checkbox"/>
21	MCE8AP5	GOL160434	0350251		5.0	12/19/10 14:58	<input type="checkbox"/>
22	MCE8AX	GOL160434-1	0350251	2A	1.0	12/19/10 15:02	<input type="checkbox"/>
23	MCE8AZ	GOL160434-1	0350251		1.0	12/19/10 15:06	<input type="checkbox"/>
24	CCV 3			1.0	12/19/10 15:09		<input type="checkbox"/>
25	CCB 3			1.0	12/19/10 15:13		<input type="checkbox"/>
26	CCV 4			1.0	12/19/10 15:17		<input type="checkbox"/>
27	CCB 4			1.0	12/19/10 15:21		<input type="checkbox"/>
28	MCE8C	GOL160434-2	0350251	2A	1.0	12/19/10 15:25	<input type="checkbox"/>
29	MCE8D	GOL160434-3	0350251	2A	1.0	12/19/10 15:28	<input type="checkbox"/>
30	MCE8E	GOL160434-4	0350251	2A	1.0	12/19/10 15:32	<input type="checkbox"/>
31	MCE8G	GOL160434-6	0350251	2A	1.0	12/19/10 15:36	<input type="checkbox"/>
32	MCG43	GOL170458-1	0351287	2A	1.0	12/19/10 15:39	<input type="checkbox"/>
33	CCV 5			1.0	12/19/10 15:43		<input type="checkbox"/>
34	CCB 5			1.0	12/19/10 15:47		<input type="checkbox"/>
35	CCV 6			1.0	12/19/10 15:51		<input type="checkbox"/>
36	CCB 6			1.0	12/19/10 15:55		<input type="checkbox"/>
37	MCHWXB	GOL170000	0351287	2A	1.0	12/19/10 15:58	<input type="checkbox"/>
38	MCHWXC	GOL170000	0351287	2A	1.0	12/19/10 16:02	<input type="checkbox"/>
39	MCHWXL	GOL170000	0351287	2A	1.0	12/19/10 16:06	<input type="checkbox"/>
40	MCG43P5	GOL170458	0351287		5.0	12/19/10 16:10	<input type="checkbox"/>
41	MCG43X	GOL170458-1	0351287	2A	1.0	12/19/10 16:13	<input type="checkbox"/>
42	MCG43Z	GOL170458-1	0351287		1.0	12/19/10 16:17	<input type="checkbox"/>
43	MCG48	GOL170458-2	0351287	2A	1.0	12/19/10 16:21	<input type="checkbox"/>
44	MCG5C	GOL170458-3	0351287	2A	1.0	12/19/10 16:25	<input type="checkbox"/>
45	MCG5F	GOL170458-4	0351287	2A	1.0	12/19/10 16:28	<input type="checkbox"/>
46	MCAHT	GOL140439-1	0351286	2A	1.0	12/19/10 16:36	<input type="checkbox"/>
47	CCV 7			1.0	12/19/10 16:40		<input type="checkbox"/>
48	CCB 7			1.0	12/19/10 16:44		<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)	Instrument: M01	Reported: 12/20/10 07:03:53
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File ID: 101219A1

Analyst: harcraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
49	CCV 8				1.0 12/19/10 16:47		<input type="checkbox"/>
50	CCB 8				1.0 12/19/10 16:50		<input type="checkbox"/>
53	CCV 9				1.0 12/19/10 16:53		<input type="checkbox"/>
54	CCB 9				1.0 12/19/10 16:56		<input type="checkbox"/>
55	MCHWRB	G0L170000	0351286	2A	1.0 12/19/10 16:58		<input type="checkbox"/>
56	MCHWRC	G0L170000	0351286	2A	1.0 12/19/10 17:01		<input type="checkbox"/>
57	MCHWRL	G0L170000	0351286	2A	1.0 12/19/10 17:03		<input type="checkbox"/>
58	MCAHTP5	G0L140439	0351286		5.0 12/19/10 17:06		<input type="checkbox"/>
59	MCAHTZ	G0L140439-1	0351286		1.0 12/19/10 17:09		<input type="checkbox"/>
60	MCAH0	G0L140439-4	0351286	2A	1.0 12/19/10 17:11		<input type="checkbox"/>
61	MCAH6	G0L140439-7	0351286	2A	1.0 12/19/10 17:14		<input type="checkbox"/>
62	MCAJA	G0L140439-10	0351286	2A	1.0 12/19/10 17:16		<input type="checkbox"/>
63	XXX				1.0 12/19/10 17:19		<input type="checkbox"/>
64	CCV 10				1.0 12/19/10 17:22		<input type="checkbox"/>
65	CCB 10				1.0 12/19/10 17:24		<input type="checkbox"/>

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 12/20/10 07:03:53

File ID: 101219A1

Analyst: hararaves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	12/19/10 13:17	94.3	89.8	92.0	88.8	<input type="checkbox"/>
2	Blank	12/19/10 13:21	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
3	Standard1	12/19/10 13:25	101.2	98.5	104.5	100.2	<input checked="" type="checkbox"/>
4	ICV	12/19/10 13:29	101.3	98.0	107.4	101.5	<input checked="" type="checkbox"/>
5	ICB	12/19/10 13:33	100.6	97.7	105.0	101.6	<input checked="" type="checkbox"/>
6	LLSTD1	12/19/10 13:37	102.7	98.3	103.9	100.7	<input checked="" type="checkbox"/>
7	ICSA	12/19/10 13:42	89.1	88.8	87.7	86.0	<input checked="" type="checkbox"/>
8	ICSAB	12/19/10 13:53	88.5	88.4	89.5	86.9	<input checked="" type="checkbox"/>
9	Rinse	12/19/10 14:00	99.0	97.8	102.5	102.2	<input checked="" type="checkbox"/>
10	CCV 1	12/19/10 14:08	102.5	98.4	102.2	100.1	<input checked="" type="checkbox"/>
11	CCB 1	12/19/10 14:12	102.3	99.1	102.4	102.1	<input checked="" type="checkbox"/>
14	CCV 2	12/19/10 14:15	99.6	98.8	100.2	98.1	<input checked="" type="checkbox"/>
15	CCB 2	12/19/10 14:19	98.8	99.7	98.1	98.7	<input checked="" type="checkbox"/>
16	LLSTD1	12/19/10 14:23	101.0	100.2	98.6	99.1	<input checked="" type="checkbox"/>
17	MCFEAB	12/19/10 14:43	102.1	102.9	101.3	104.0	<input checked="" type="checkbox"/>
18	MCFEAC	12/19/10 14:47	98.7	99.9	99.7	100.4	<input checked="" type="checkbox"/>
19	MCFEAL	12/19/10 14:51	97.8	99.6	99.7	100.2	<input checked="" type="checkbox"/>
20	MCE8A	12/19/10 14:54	98.1	98.1	96.7	99.8	<input checked="" type="checkbox"/>
21	MCE8AP5	12/19/10 14:58	101.3	99.8	100.5	98.9	<input type="checkbox"/>
22	MCE8AX	12/19/10 15:02	99.1	101.4	98.7	100.0	<input checked="" type="checkbox"/>
23	MCE8AZ	12/19/10 15:06	97.8	99.3	99.9	99.1	<input checked="" type="checkbox"/>
24	CCV 3	12/19/10 15:09	99.1	97.0	100.7	96.2	<input checked="" type="checkbox"/>
25	CCB 3	12/19/10 15:13	101.9	101.1	101.8	99.4	<input checked="" type="checkbox"/>
26	CCV 4	12/19/10 15:17	100.7	98.2	101.6	95.6	<input checked="" type="checkbox"/>
27	CCB 4	12/19/10 15:21	101.8	100.8	101.4	97.7	<input checked="" type="checkbox"/>
28	MCE8C	12/19/10 15:25	99.5	101.5	97.7	98.2	<input checked="" type="checkbox"/>
29	MCE8D	12/19/10 15:28	100.0	101.4	99.0	97.8	<input checked="" type="checkbox"/>
30	MCE8E	12/19/10 15:32	101.0	102.2	100.2	101.1	<input checked="" type="checkbox"/>
31	MCE8G	12/19/10 15:36	102.3	102.7	101.0	103.7	<input checked="" type="checkbox"/>
32	MCG43	12/19/10 15:39	102.2	102.8	99.8	101.5	<input checked="" type="checkbox"/>
33	CCV 5	12/19/10 15:43	103.3	99.9	104.4	96.1	<input checked="" type="checkbox"/>
34	CCB 5	12/19/10 15:47	104.6	101.7	102.3	98.1	<input checked="" type="checkbox"/>
35	CCV 6	12/19/10 15:51	104.7	101.1	106.6	98.8	<input checked="" type="checkbox"/>
36	CCB 6	12/19/10 15:55	105.4	101.6	103.4	99.3	<input checked="" type="checkbox"/>
37	MCHWXB	12/19/10 15:58	102.9	103.0	101.9	101.9	<input checked="" type="checkbox"/>
38	MCHWXC	12/19/10 16:02	100.5	100.8	102.7	100.3	<input checked="" type="checkbox"/>
39	MCHWXL	12/19/10 16:06	98.7	100.1	103.1	100.6	<input checked="" type="checkbox"/>
40	MCG43P5	12/19/10 16:10	101.4	99.0	103.8	98.8	<input type="checkbox"/>
41	MCG43X	12/19/10 16:13	99.6	101.4	101.3	100.7	<input checked="" type="checkbox"/>
42	MCG43Z	12/19/10 16:17	98.9	99.2	101.2	99.1	<input checked="" type="checkbox"/>
43	MCG48	12/19/10 16:21	97.8	99.2	99.6	98.3	<input checked="" type="checkbox"/>
44	MCG5C	12/19/10 16:25	99.1	99.3	99.1	97.0	<input checked="" type="checkbox"/>
45	MCG5F	12/19/10 16:28	99.7	100.6	101.1	99.5	<input checked="" type="checkbox"/>
46	MCAHT	12/19/10 16:36	100.0	102.0	101.1	99.6	<input checked="" type="checkbox"/>
47	CCV 7	12/19/10 16:40	101.3	98.2	104.8	95.2	<input checked="" type="checkbox"/>
48	CCB 7	12/19/10 16:44	104.2	101.1	105.5	98.9	<input checked="" type="checkbox"/>

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 12/20/10 07:03:53

File ID: 101219A1

Analyst: hararaves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	CCV 8	12/19/10 16:47	120.9				<input checked="" type="checkbox"/>
50	CCB 8	12/19/10 16:50	123.0				<input checked="" type="checkbox"/>
53	CCV 9	12/19/10 16:53	98.8				<input checked="" type="checkbox"/>
54	CCB 9	12/19/10 16:56	99.4				<input checked="" type="checkbox"/>
55	MCHWRB	12/19/10 16:58	96.9				<input checked="" type="checkbox"/>
56	MCHWRC	12/19/10 17:01	96.9				<input checked="" type="checkbox"/>
57	MCHWRL	12/19/10 17:03	93.6				<input checked="" type="checkbox"/>
58	MCAHTP5	12/19/10 17:06	96.9				<input type="checkbox"/>
59	MCAHTZ	12/19/10 17:09	93.0				<input checked="" type="checkbox"/>
60	MCAH0	12/19/10 17:11	93.4				<input checked="" type="checkbox"/>
61	MCAH6	12/19/10 17:14	95.3				<input checked="" type="checkbox"/>
62	MCAJA	12/19/10 17:16	96.5				<input checked="" type="checkbox"/>
63	XXX	12/19/10 17:19	156.7				<input type="checkbox"/>
64	CCV 10	12/19/10 17:22	100.4				<input checked="" type="checkbox"/>
65	CCB 10	12/19/10 17:24	99.5				<input checked="" type="checkbox"/>

TAL-W.SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report

File Name: 000-TRC-AIRTEK.mth
 File Path: C:\elandata\Method\000-TRC-AIRTEK.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
 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	-0.03 * 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				
207.977	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. SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M01 – Methods 6020, 200.8

AIR TOX STANDARDS - 4 % HNO₃, 0.5 % HCl

Standards for run:

Tuning standard: 4075-25B

Internal standard: 4075-22B

Blank, CCBs: 3185-42D

Standard 1, CCVs: 4075-29B

ICV: 4075-20D

ICSA: 4075-29C

ICSAB: 4075-29D

File Number: 101219A1

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Sunday, December 19, 2010 13:01:49

Sample ID: TUNE SHARGRAVE

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1570	0.727	2034	
Be	9.012	9.079	2066	0.709	2020	
Mg	23.985	24.028	5731	0.714	1965	
Co	58.933	59.028	14301	0.706	1882	
In	114.904	114.878	27956	0.717	1836	
Ce	139.905	139.828	34029	0.717	1877	
Tl	204.975	204.979	49759	0.728	2089	
Pb	207.977	208.029	50484	0.704	2104	
U	238.050	238.026	57706	0.703	2266	

Elan 6000 Instrument Optomization Report

File Name c:\elandata\Optimize\default.dac

Path c:\elandata\Optimize

Sample Information

Sample Date/Time: Sunday, December 19, 2010 13:01:49

Sample ID: TUNE SHARGRAVE

Parameter Settings

Nebulizer Gas Flow	0.8
Lens Voltage	6.8
ICP RF Power	1050.0
Analog Stage Voltage	-1725.0
Pulse Stage Voltage	1300.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0

AutoLens Calibration

Date: 13:05:49 Sun 19-Dec-10
 Sample Filename: TUNE SHARGRAVE.002
 Dataset Pathname: 101219a1\

Lens Voltage Start: 4.00 V
 Lens Voltage End: 8.00 V
 Lens Voltage Step: 0.25 V
 Slope: 0.0211
 Intercept: 5.2146

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	5.3 V	6672 cps	17
Co	58.933	6.8 V	205615 cps	17
In	114.904	7.5 V	437213 cps	17

Dual Detector Calibration

Date: 13:16:18 Mon 06-Dec-10
 Sample Filename: DAILY SHARGRAVE.1153
 Dataset Pathname: dual detector calibration\

Points Acquired: 37
 Lens Voltage Start: -3.00 V
 Lens Voltage End: 15.00 V
 Lens Voltage Step: 0.50 V

Analyte	Mass	Gain	N(max)
Li	6.015	5932	2.11e+009 cps
Li	7.016	5535	2.26e+009 cps
Be	9.012	5043	2.48e+009 cps
B	11.009	5168	2.42e+009 cps
Na	22.990	5069	2.47e+009 cps

Report Date/Time: Sunday, December 19, 2010 13:10:40

Page 1

TAL-W.SACRAMENTO - Elan 6000 ICPMS, M01 - Methods 6020, 200.8

Mg	23.985	4703	2.66e+009 cps
Mg	24.986	4616	2.71e+009 cps
Al	26.982	4346	2.88e+009 cps
P	30.994	4128	3.03e+009 cps
K	38.964	3943	3.17e+009 cps
Ca	42.959		cps
Ca	43.956	3943	3.17e+009 cps
Sc	44.956	3972	3.15e+009 cps
V	50.944	3968	3.15e+009 cps
Cr	51.941	3714	3.37e+009 cps
Fe	53.940	3682	3.40e+009 cps
Mn	54.938	3659	3.42e+009 cps
Fe	56.935	3603	3.47e+009 cps
Co	58.933	3524	3.55e+009 cps
Ni	59.933	3445	3.63e+009 cps
Cu	62.930	3352	3.73e+009 cps
Cu	64.928	3328	3.76e+009 cps
Zn	67.925	3369	3.72e+009 cps
Ge	71.922	3430	3.65e+009 cps
As	74.922	3392	3.69e+009 cps
Se	77.917	3446	3.63e+009 cps
Br	78.918		cps
Se	81.917	3364	3.72e+009 cps
Sr	87.906		cps
Mo	96.906	3398	3.68e+009 cps
Ag	106.905	3086	4.06e+009 cps
Ag	108.905	3459	3.62e+009 cps
Cd	110.904	3125	4.01e+009 cps
Cd	113.904	3112	4.02e+009 cps
In	114.904	3133	4.00e+009 cps
Sn	117.902	3162	3.96e+009 cps
Sb	120.904	3163	3.96e+009 cps
Ba	134.906	3064	4.09e+009 cps
Tm	168.934	2957	4.23e+009 cps
Tl	204.975	2797	4.47e+009 cps
Pb	207.977	2810	4.45e+009 cps
Bi	208.980		cps
U	238.050	2783	4.50e+009 cps

Daily Performance Report - Elan 6000

Sample ID: DAILY SHARGRAVE
 Sample Date/Time: Sunday, December 19, 2010 13:10:50
 Sample Description:
 Sample File: C:\elandata\Sample\0350251X.sam
 Method File: C:\elandata\Method\000-DAILY_EPA.mth
 Dataset File: C:\elandata\Dataset\101219a1\DAILY SHARGRAVE.003
 Tuning File: c:\elandata\Tuning\default.tun
 Optimization File: C:\elandata\Optimize\default.dac
 Number of Replicates: 5
 Dual Detector Mode: Dual

Summary

Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
Mg	24	34355.422	1141.441	3.322
Rh	103	288101.579	3475.359	1.206
Pb	208	194086.117	2065.597	1.064
[> Ba	138	340969.506	3023.487	0.887
[Ba++	69	0.024	0.001	2.243
[> Ce	140	415486.367	2110.315	0.508
[CeO	156	0.026	0.000	1.230
Bkgd	220	6.857	4.333	63.191
Li	7	6699.898	180.359	2.692
Be	9	2386.028	98.571	4.131
Co	59	111166.980	2508.783	2.257
In	115	431950.587	3213.861	0.744
Tl	205	274729.239	1740.523	0.634

SOP No. SAC-MT-0001

SHargrave

Sample ID: Rinse 2X

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:17:54

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\Rinse 2X.004

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			959619.205	ug/L	0.000
> 6 Li-1			245575.546	ug/L	0.000
[9 Be			4.667	ug/L	0.000
[44 Ca			63908.690	ug/L	0.000
| 52 Cr			34389.676	ug/L	0.000
| 55 Mn			10893.987	ug/L	0.000
| 60 Ni			258.857	ug/L	0.000
| 65 Cu			336.621	ug/L	0.000
| 68 Zn			3959.313	ug/L	0.000
| 75 As			17574.096	ug/L	0.000
> 72 Ge-1			1309479.862	ug/L	0.000
[111 Cd			65.951	ug/L	0.000
| 121 Sb			598.028	ug/L	0.000
| 135 Ba			255.672	ug/L	0.000
> 115 In-1			1234576.551	ug/L	0.000
[208 Pb			1873.107	ug/L	0.000
> 169 Tm-1			775079.929	ug/L	0.000
[50 Cr			-356.641	ug/L	0.000
| 53 Cr			56428.355	ug/L	0.000
| 61 Ni			1418.447	ug/L	0.000
| 63 Cu			218.010	ug/L	0.000
| 67 Zn			3048.044	ug/L	0.000
| 66 Zn			1685.292	ug/L	0.000
> 72 Ge			1309479.862	ug/L	0.000
[108 Cd			10.384	ug/L	0.000
| 114 Cd			118.565	ug/L	0.000
> 115 In			1234576.551	ug/L	0.000
[208 207.977			969.741	ug/L	0.000
| 207 Pb			405.680	ug/L	0.000
| 206 Pb			497.686	ug/L	0.000
> 169 Tm			775079.929	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	

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Sample ID: Rinse 2X

	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

SOP No. SAC-MT-0001

SHargrave

Sample ID: Blank

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:21:59

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\Blank.005

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1058560.518	ug/L	
> 6 Li-1			266951.636	ug/L	
9 Be			18.000	ug/L	
44 Ca			63778.816	ug/L	
52 Cr			29979.811	ug/L	
55 Mn			30496.902	ug/L	
60 Ni			978.049	ug/L	
65 Cu			659.156	ug/L	
68 Zn			1947.755	ug/L	
75 As			18144.842	ug/L	
> 72 Ge-1			1388688.544	ug/L	
111 Cd			225.146	ug/L	
121 Sb			601.695	ug/L	
135 Ba			423.347	ug/L	
> 115 In-1			1374627.298	ug/L	
208 Pb			4352.905	ug/L	
> 169 Tm-1			872724.064	ug/L	
50 Cr			-262.121	ug/L	
53 Cr			45948.227	ug/L	
61 Ni			1563.871	ug/L	
63 Cu			479.051	ug/L	
67 Zn			2639.877	ug/L	
66 Zn			758.127	ug/L	
> 72 Ge			1388688.544	ug/L	
108 Cd			26.199	ug/L	
114 Cd			571.358	ug/L	
> 115 In			1374627.298	ug/L	
208 207.977			2237.727	ug/L	
207 Pb			943.070	ug/L	
206 Pb			1172.108	ug/L	
> 169 Tm			872724.064	ug/L	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	

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Sample ID: Blank

	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

SOP No. SAC-MT-0001

SHargrave

Sample ID: Standard 1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:25:59

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\Standard 1.006

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1085199.226	ug/L	1058560.518
[> 6 Li-1			278914.992	ug/L	266951.636
[9 Be	100.000000	0.683	17634.403	ug/L	18.000
[44 Ca	5100.000000	3.706	1124826.640	ug/L	63778.816
[52 Cr	100.000000	2.431	896958.034	ug/L	29979.811
[55 Mn	100.000000	0.733	1387493.548	ug/L	30496.902
[60 Ni	100.000000	1.414	233714.976	ug/L	978.049
[65 Cu	100.000000	1.431	263427.078	ug/L	659.156
[68 Zn	100.000000	0.741	99103.437	ug/L	1947.755
[75 As	100.000000	0.777	284006.630	ug/L	18144.842
[> 72 Ge-1			1405595.260	ug/L	1388688.544
[111 Cd	100.000000	1.148	239490.812	ug/L	225.146
[121 Sb	50.000000	1.105	419723.472	ug/L	601.695
[135 Ba	100.000000	1.241	230972.369	ug/L	423.347
[> 115 In-1			1354514.867	ug/L	1374627.298
[208 Pb	100.000000	0.462	2614102.162	ug/L	4352.905
[> 169 Tm-1			874369.191	ug/L	872724.064
[50 Cr	100.000000	5.228	20101.292	ug/L	-262.121
[53 Cr	100.000000	7.773	84018.899	ug/L	45948.227
[61 Ni	100.000000	1.668	5601.228	ug/L	1563.871
[63 Cu	100.000000	1.062	190044.208	ug/L	479.051
[67 Zn	100.000000	1.552	11436.036	ug/L	2639.877
[66 Zn	100.000000	1.207	50066.830	ug/L	758.127
[> 72 Ge			1405595.260	ug/L	1388688.544
[108 Cd	100.000000	0.893	16781.004	ug/L	26.199
[114 Cd	100.000000	1.087	572650.416	ug/L	571.358
[> 115 In			1354514.867	ug/L	1374627.298
[208 207.977	100.000000	0.526	1336457.651	ug/L	2237.727
[207 Pb	100.000000	1.043	544263.115	ug/L	943.070
[206 Pb	100.000000	0.532	733381.396	ug/L	1172.108
[> 169 Tm			874369.191	ug/L	872724.064

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
[> Li-1	6	

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Sample ID: Standard 1

	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

SOP No. SAC-MT-0001

SHargrave

Sample ID: ICV

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:29:43

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\ICV .007

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 3

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1122699.953	ug/L	1058560.518
> 6 Li-1			286747.531	ug/L	266951.636
[9 Be	78.392121	1.811	14221.227	ug/L	18.000
[44 Ca	834.757807	1.395	238388.136	ug/L	63778.816
| 52 Cr	79.600980	1.515	721079.755	ug/L	29979.811
| 55 Mn	80.602259	0.822	1125686.396	ug/L	30496.902
| 60 Ni	79.860456	0.668	187070.281	ug/L	978.049
| 65 Cu	79.725118	1.190	210412.028	ug/L	659.156
| 68 Zn	79.122997	0.513	78916.998	ug/L	1947.755
| 75 As	78.717094	0.643	227739.766	ug/L	18144.842
> 72 Ge-1			1407210.853	ug/L	1388688.544
[111 Cd	79.043984	0.487	188339.913	ug/L	225.146
| 121 Sb	38.677050	0.893	323066.031	ug/L	601.695
| 135 Ba	79.111084	1.246	181833.476	ug/L	423.347
> 115 In-1			1347296.884	ug/L	1374627.298
[208 Pb	80.978446	0.869	2146149.636	ug/L	4352.905
> 169 Tm-1			886161.342	ug/L	872724.064
[50 Cr	70.075826	2.222	14025.767	ug/L	-262.121
| 53 Cr	78.197042	4.023	75935.479	ug/L	45948.227
| 61 Ni	77.184192	6.252	4689.840	ug/L	1563.871
| 63 Cu	79.467487	1.844	151313.646	ug/L	479.051
| 67 Zn	80.949993	4.143	9779.349	ug/L	2639.877
| 66 Zn	78.988653	0.745	39756.091	ug/L	758.127
> 72 Ge			1407210.853	ug/L	1388688.544
[108 Cd	77.359202	0.972	12919.242	ug/L	26.199
| 114 Cd	79.610702	0.540	453562.089	ug/L	571.358
> 115 In			1347296.884	ug/L	1374627.298
[208 207.977	83.070317	1.455	1125455.849	ug/L	2237.727
| 207 Pb	85.357137	0.173	470978.462	ug/L	943.070
| 206 Pb	73.917484	0.433	549715.325	ug/L	1172.108
> 169 Tm			886161.342	ug/L	872724.064

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
> Li-1	6		107.416

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	101.334
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	98.012
|	Pb	208	
>	Tm-1	169	101.540
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	101.334
|	Cd	108	
|	Cd	114	
>	In	115	98.012
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	101.540

SOP No. SAC-MT-0001

SHargrave

Sample ID: ICB

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:33:33

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\ICB.008

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1097561.477	ug/L	1058560.518
> 6 Li-1			280176.163	ug/L	266951.636
[9 Be	-0.018347	54.980	15.667	ug/L	18.000
[44 Ca	-3.934785	117.506	63333.623	ug/L	63778.816
[52 Cr	-0.069574	55.561	29559.859	ug/L	29979.811
[55 Mn	0.028013	40.652	31052.585	ug/L	30496.902
[60 Ni	0.006589	310.127	999.487	ug/L	978.049
[65 Cu	0.003742	319.814	672.850	ug/L	659.156
[68 Zn	-0.008260	1006.535	1952.052	ug/L	1947.755
[75 As	-0.076968	229.380	18051.680	ug/L	18144.842
> 72 Ge-1			1396861.549	ug/L	1388688.544
[111 Cd	0.009691	8.252	242.859	ug/L	225.146
[121 Sb	0.064581	10.946	1124.099	ug/L	601.695
[135 Ba	-0.000033	19463.018	413.347	ug/L	423.347
> 115 In-1			1342468.365	ug/L	1374627.298
[208 Pb	0.007094	92.773	4611.651	ug/L	4352.905
> 169 Tm-1			886770.555	ug/L	872724.064
[50 Cr	0.174992	60.196	-228.199	ug/L	-262.121
[53 Cr	-16.024945	14.139	40246.760	ug/L	45948.227
[61 Ni	2.725352	43.225	1682.290	ug/L	1563.871
[63 Cu	0.025006	25.602	529.062	ug/L	479.051
[67 Zn	1.228611	152.878	2764.019	ug/L	2639.877
[66 Zn	-0.128488	74.298	700.108	ug/L	758.127
> 72 Ge			1396861.549	ug/L	1388688.544
[108 Cd	-0.030408	78.141	20.532	ug/L	26.199
[114 Cd	0.004704	132.687	584.608	ug/L	571.358
> 115 In			1342468.365	ug/L	1374627.298
[208 207.977	0.010104	92.996	2411.124	ug/L	2237.727
[207 Pb	0.001634	406.993	967.407	ug/L	943.070
[206 Pb	0.005661	54.997	1233.120	ug/L	1172.108
> 169 Tm			886770.555	ug/L	872724.064

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	104.954

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Sample ID: ICB

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	100.589
	Cd	111	
	Sb	121	
|	Ba	135	
>	In-1	115	97.661
|	Pb	208	
>	Tm-1	169	101.609
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	100.589
|	Cd	108	
|	Cd	114	
>	In	115	97.661
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	101.609

SOP No. SAC-MT-0001

SHargrave

Sample ID: LLSTD1

Sample Description: LLSTD@10X

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:37:20

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\LLSTD1.009

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 83

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1119578.882	ug/L	1058560.518
> 6 Li-1			277474.298	ug/L	266951.636
[9 Be	0.901869	4.858	176.669	ug/L	18.000
[44 Ca	16.546454	27.691	69005.454	ug/L	63778.816
| 52 Cr	1.001852	1.871	39612.258	ug/L	29979.811
| 55 Mn	-1.054224	0.360	16814.521	ug/L	30496.902
| 60 Ni	0.646545	2.469	2531.822	ug/L	978.049
| 65 Cu	0.788204	2.805	2779.468	ug/L	659.156
| 68 Zn	4.039590	4.080	5983.170	ug/L	1947.755
| 75 As	0.494888	71.681	19970.074	ug/L	18144.842
> 72 Ge-1			1426655.002	ug/L	1388688.544
[111 Cd	0.909156	2.865	2390.721	ug/L	225.146
| 121 Sb	0.446800	1.159	4326.804	ug/L	601.695
| 135 Ba	0.845597	2.088	2360.438	ug/L	423.347
> 115 In-1			1350988.729	ug/L	1374627.298
[208 Pb	0.894106	0.425	27823.555	ug/L	4352.905
> 169 Tm-1			878432.620	ug/L	872724.064
[50 Cr	0.988515	26.217	-65.156	ug/L	-262.121
[53 Cr	-2.230010	53.466	46358.861	ug/L	45948.227
| 61 Ni	1.866508	183.832	1682.959	ug/L	1563.871
| 63 Cu	0.793612	3.302	2019.231	ug/L	479.051
| 67 Zn	6.014034	27.787	3248.325	ug/L	2639.877
| 66 Zn	3.882970	3.765	2721.295	ug/L	758.127
> 72 Ge			1426655.002	ug/L	1388688.544
[108 Cd	0.873943	12.204	171.806	ug/L	26.199
| 114 Cd	0.878312	1.367	5573.442	ug/L	571.358
> 115 In			1350988.729	ug/L	1374627.298
[208 207.977	0.915697	0.794	14525.894	ug/L	2237.727
| 207 Pb	0.941807	2.736	6090.916	ug/L	943.070
| 206 Pb	0.819368	1.345	7206.745	ug/L	1172.108
> 169 Tm			878432.620	ug/L	872724.064

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	103.942

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	102.734
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	98.280
|	Pb	208	
>	Tm-1	169	100.654
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	102.734
|	Cd	108	
|	Cd	114	
>	In	115	98.280
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	100.654

SOP No. SAC-MT-0001

SHargrave

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:42:00

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\ICSA .010

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			883909.424	ug/L	1058560.518
> 6 Li-1			234246.590	ug/L	266951.636
[9 Be	-0.061858	9.209	6.667	ug/L	18.000
[44 Ca	85122.777737	2.109	15641596.130	ug/L	63778.816
[52 Cr	1.311761	15.974	36753.292	ug/L	29979.811
[55 Mn	4.212249	2.475	77495.894	ug/L	30496.902
[60 Ni	2.610569	6.802	6225.772	ug/L	978.049
[65 Cu	0.384012	7.483	1475.047	ug/L	659.156
[68 Zn	0.459554	2.199	2128.104	ug/L	1947.755
[75 As	0.887995	16.360	18233.026	ug/L	18144.842
> [72 Ge-1			1237145.030	ug/L	1388688.544
[111 Cd	0.905410	3.456	2150.856	ug/L	225.146
[121 Sb	0.134444	6.715	1549.856	ug/L	601.695
[135 Ba	2.556771	1.554	5686.875	ug/L	423.347
> [115 In-1			1220238.256	ug/L	1374627.298
[208 Pb	0.307596	1.914	10632.762	ug/L	4352.905
> [169 Tm-1			750516.221	ug/L	872724.064
[50 Cr	190.857204	9.604	34052.249	ug/L	-262.121
[53 Cr	-23.019742	22.485	33375.542	ug/L	45948.227
[61 Ni	30.588241	11.445	2478.024	ug/L	1563.871
[63 Cu	3.071080	0.395	5551.112	ug/L	479.051
[67 Zn	14.040070	20.408	3440.287	ug/L	2639.877
[66 Zn	5.339480	2.209	2991.970	ug/L	758.127
> [72 Ge			1237145.030	ug/L	1388688.544
[108 Cd	57.458541	0.597	8696.545	ug/L	26.199
[114 Cd	3.771413	0.663	19944.932	ug/L	571.358
> [115 In			1220238.256	ug/L	1374627.298
[208 207.977	0.313243	1.118	5511.386	ug/L	2237.727
[207 Pb	0.314582	3.977	2277.741	ug/L	943.070
[206 Pb	0.292124	2.589	2843.635	ug/L	1172.108
> [169 Tm			750516.221	ug/L	872724.064

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
> Li-1	6		87.749

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Sample ID: ICSA

Be	9	
Ca	44	
Cr	52	
Mn	55	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	89.087
Cd	111	
Sb	121	
Ba	135	
In-1	115	88.769
Pb	208	
Tm-1	169	85.997
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	89.087
Cd	108	
Cd	114	
In	115	88.769
207.977	208	
Pb	207	
Pb	206	
Tm	169	85.997

SOP No. SAC-MT-0001

SHargrave

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 13:53:19

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\ICSAB.011

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			880596.310	ug/L	1058560.518
> 6 Li-1			238894.748	ug/L	266951.636
9 Be	94.185071	1.726	14234.613	ug/L	18.000
44 Ca	84834.916325	2.259	15488445.643	ug/L	63778.816
52 Cr	91.358670	1.456	719120.660	ug/L	29979.811
55 Mn	96.505465	0.766	1172130.849	ug/L	30496.902
60 Ni	91.127231	1.010	186375.516	ug/L	978.049
65 Cu	86.390687	0.576	199103.912	ug/L	659.156
68 Zn	86.452654	0.713	75171.075	ug/L	1947.755
75 As	98.903850	1.128	245775.711	ug/L	18144.842
> 72 Ge-1			1229236.336	ug/L	1388688.544
111 Cd	96.353335	0.508	207141.701	ug/L	225.146
121 Sb	48.995618	0.780	369177.465	ug/L	601.695
135 Ba	103.446951	0.593	214460.575	ug/L	423.347
> 115 In-1			1215812.860	ug/L	1374627.298
208 Pb	92.157149	0.637	2090459.361	ug/L	4352.905
> 169 Tm-1			758610.885	ug/L	872724.064
50 Cr	286.725615	8.845	50925.360	ug/L	-262.121
53 Cr	65.327148	9.172	62145.364	ug/L	45948.227
61 Ni	121.404268	3.748	5651.361	ug/L	1563.871
63 Cu	88.880393	0.577	147785.799	ug/L	479.051
67 Zn	101.677934	3.599	10133.248	ug/L	2639.877
66 Zn	93.536904	1.406	41006.721	ug/L	758.127
> 72 Ge			1229236.336	ug/L	1388688.544
108 Cd	154.187301	0.842	23212.663	ug/L	26.199
114 Cd	98.899705	0.231	508360.590	ug/L	571.358
> 115 In			1215812.860	ug/L	1374627.298
208 207.977	92.322543	0.767	1070654.554	ug/L	2237.727
207 Pb	92.111938	0.537	435041.443	ug/L	943.070
206 Pb	91.889323	0.535	584763.364	ug/L	1172.108
> 169 Tm			758610.885	ug/L	872724.064

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	89.490

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Sample ID: ICSAB

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	88.518
	Cd	111	
	Sb	121	
|	Ba	135	
|>	In-1	115	88.447
|	Pb	208	
|>	Tm-1	169	86.924
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|>	Ge	72	88.518
|	Cd	108	
|	Cd	114	
|>	In	115	88.447
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	86.924

SOP No. SAC-MT-0001

SHargrave

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:00:47

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\Rinse.012

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1086544.479	ug/L	1058560.518
> 6 Li-1			273585.762	ug/L	266951.636
9 Be	-0.065885	25.564	7.000	ug/L	18.000
44 Ca	-69.243957	1.962	49068.453	ug/L	63778.816
52 Cr	0.643947	12.537	35144.133	ug/L	29979.811
55 Mn	-1.462344	1.288	10789.809	ug/L	30496.902
60 Ni	-0.311895	1.909	258.355	ug/L	978.049
65 Cu	-0.129084	3.166	320.866	ug/L	659.156
68 Zn	2.190165	5.293	4009.805	ug/L	1947.755
75 As	-0.329150	41.521	17111.206	ug/L	18144.842
> 72 Ge-1			1375041.527	ug/L	1388688.544
111 Cd	-0.066823	3.265	61.505	ug/L	225.146
121 Sb	0.037820	6.186	903.397	ug/L	601.695
135 Ba	-0.077410	13.768	237.004	ug/L	423.347
> 115 In-1			1344661.113	ug/L	1374627.298
208 Pb	-0.104787	1.361	1658.418	ug/L	4352.905
> 169 Tm-1			891507.627	ug/L	872724.064
50 Cr	-0.480567	48.610	-355.315	ug/L	-262.121
53 Cr	23.909154	19.136	54271.761	ug/L	45948.227
61 Ni	7.994947	4.716	1862.763	ug/L	1563.871
63 Cu	-0.139129	1.491	216.344	ug/L	479.051
67 Zn	10.268893	18.187	3494.355	ug/L	2639.877
66 Zn	1.852811	2.975	1644.261	ug/L	758.127
> 72 Ge			1375041.527	ug/L	1388688.544
108 Cd	-0.094156	33.911	9.940	ug/L	26.199
114 Cd	-0.077282	4.024	120.036	ug/L	571.358
> 115 In			1344661.113	ug/L	1374627.298
208 207.977	-0.103668	2.114	875.727	ug/L	2237.727
207 Pb	-0.109658	2.174	356.010	ug/L	943.070
206 Pb	-0.103213	1.889	426.681	ug/L	1172.108
> 169 Tm			891507.627	ug/L	872724.064

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	102.485

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Page 1

Sample ID: Rinse

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	99.017
	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	97.820
|	Pb	208	
>	Tm-1	169	102.152
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	99.017
|	Cd	108	
|	Cd	114	
>	In	115	97.820
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	102.152

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:08:18

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 1.013

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1096925.584	ug/L	1058560.518
> 6 Li-1			272774.051	ug/L	266951.636
9 Be	101.430693	0.949	17495.370	ug/L	18.000
44 Ca	5038.724389	1.910	1126601.586	ug/L	63778.816
52 Cr	98.886634	1.078	898713.840	ug/L	29979.811
55 Mn	99.602900	0.775	1399878.057	ug/L	30496.902
60 Ni	100.257779	1.229	237322.087	ug/L	978.049
65 Cu	99.945933	0.987	266648.234	ug/L	659.156
68 Zn	99.144659	0.809	99532.398	ug/L	1947.755
75 As	101.127068	0.567	290666.857	ug/L	18144.842
> 72 Ge-1			1423518.849	ug/L	1388688.544
111 Cd	100.963799	0.792	241455.309	ug/L	225.146
121 Sb	50.583882	0.183	424018.405	ug/L	601.695
135 Ba	101.499312	0.229	234097.440	ug/L	423.347
> 115 In-1			1352586.496	ug/L	1374627.298
208 Pb	101.521942	0.109	2650745.846	ug/L	4352.905
> 169 Tm-1			873362.408	ug/L	872724.064
50 Cr	99.230500	2.569	20201.866	ug/L	-262.121
53 Cr	91.755278	6.018	81987.920	ug/L	45948.227
61 Ni	101.822285	0.254	5746.591	ug/L	1563.871
63 Cu	100.915032	0.715	194231.299	ug/L	479.051
67 Zn	101.808122	3.421	11746.320	ug/L	2639.877
66 Zn	99.872088	1.122	50643.945	ug/L	758.127
> 72 Ge			1423518.849	ug/L	1388688.544
108 Cd	101.156357	1.648	16949.666	ug/L	26.199
114 Cd	100.919676	0.690	577107.271	ug/L	571.358
> 115 In			1352586.496	ug/L	1374627.298
208 207.977	101.456911	0.214	1354276.572	ug/L	2237.727
207 Pb	101.889728	0.300	553891.594	ug/L	943.070
206 Pb	101.367521	0.660	742577.680	ug/L	1172.108
> 169 Tm			873362.408	ug/L	872724.064

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	102.181

Report Date/Time: Sunday, December 19, 2010 14:09:51

Page 1

Sample ID: CCV 1

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	102.508
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	98.397
|	Pb	208	
>	Tm-1	169	100.073
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	102.508
|	Cd	108	
|	Cd	114	
>	In	115	98.397
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	100.073

SHargrave

Sample ID: CCB 1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:12:08

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 1.014

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1102511.168	ug/L	1058560.518
> 6 Li-1			273364.111	ug/L	266951.636
9 Be	-0.081602	11.279	4.333	ug/L	18.000
44 Ca	-77.594198	5.928	48936.120	ug/L	63778.816
52 Cr	-0.044559	63.432	30280.550	ug/L	29979.811
55 Mn	-2.084495	0.229	2617.872	ug/L	30496.902
60 Ni	-0.161883	4.639	619.990	ug/L	978.049
65 Cu	-0.193453	4.902	160.832	ug/L	659.156
68 Zn	-1.066386	5.097	946.271	ug/L	1947.755
75 As	-0.381621	13.300	17538.587	ug/L	18144.842
> 72 Ge-1			1420743.829	ug/L	1388688.544
111 Cd	-0.076424	6.234	39.148	ug/L	225.146
121 Sb	-0.053157	5.847	148.335	ug/L	601.695
135 Ba	-0.117293	4.404	147.668	ug/L	423.347
> 115 In-1			1362372.372	ug/L	1374627.298
208 Pb	-0.111903	0.740	1468.733	ug/L	4352.905
> 169 Tm-1			891179.494	ug/L	872724.064
50 Cr	-0.118864	93.043	-292.888	ug/L	-262.121
53 Cr	-4.424865	58.339	45341.575	ug/L	45948.227
61 Ni	6.715621	49.874	1873.442	ug/L	1563.871
63 Cu	-0.202996	5.378	101.336	ug/L	479.051
67 Zn	2.423976	129.038	2918.555	ug/L	2639.877
66 Zn	-1.171615	3.580	192.008	ug/L	758.127
> 72 Ge			1420743.829	ug/L	1388688.544
108 Cd	-0.132009	18.785	3.705	ug/L	26.199
114 Cd	-0.087686	7.778	61.797	ug/L	571.358
> 115 In			1362372.372	ug/L	1374627.298
208 207.977	-0.111016	1.739	775.714	ug/L	2237.727
207 Pb	-0.118581	3.306	306.341	ug/L	943.070
206 Pb	-0.108564	2.324	386.678	ug/L	1172.108
> 169 Tm			891179.494	ug/L	872724.064

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	102.402

Report Date/Time: Sunday, December 19, 2010 14:13:42

Page 1

Sample ID: CCB 1

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	102.308
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	99.108
|	Pb	208	
>	Tm-1	169	102.115
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	102.308
|	Cd	108	
|	Cd	114	
>	In	115	99.108
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	102.115

SOP No. SAC-MT-0001

SHargrave

Sample ID: BLK RECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:12:08

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 1.014

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1102511.168	ug/L	
> 6 Li-1			273364.111	ug/L	
9 Be			4.333	ug/L	
44 Ca			48936.120	ug/L	
52 Cr			30280.550	ug/L	
55 Mn			2617.872	ug/L	
60 Ni			619.990	ug/L	
65 Cu			160.832	ug/L	
68 Zn			946.271	ug/L	
75 As			17538.587	ug/L	
> 72 Ge-1			1420743.829	ug/L	
111 Cd			39.148	ug/L	
121 Sb			148.335	ug/L	
135 Ba			147.668	ug/L	
> 115 In-1			1362372.372	ug/L	
208 Pb			1468.733	ug/L	
> 169 Tm-1			891179.494	ug/L	
50 Cr			-292.888	ug/L	
53 Cr			45341.575	ug/L	
61 Ni			1873.442	ug/L	
63 Cu			101.336	ug/L	
67 Zn			2918.555	ug/L	
66 Zn			192.008	ug/L	
> 72 Ge			1420743.829	ug/L	
108 Cd			3.705	ug/L	
114 Cd			61.797	ug/L	
> 115 In			1362372.372	ug/L	
208 207.977			775.714	ug/L	
207 Pb			306.341	ug/L	
206 Pb			386.678	ug/L	
> 169 Tm			891179.494	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

SOP No. SAC-MT-0001

SHargrave

Sample ID: STD1 RECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:08:18

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 1.013

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1096925.584	ug/L	1102511.168
> 6 Li-1			272774.051	ug/L	273364.111
9 Be	100.000000	0.948	17495.370	ug/L	4.333
44 Ca	5100.000000	1.881	1126601.586	ug/L	48936.120
52 Cr	100.000000	1.078	898713.840	ug/L	30280.550
55 Mn	100.000000	0.759	1399878.057	ug/L	2617.872
60 Ni	100.000000	1.227	237322.087	ug/L	619.990
65 Cu	100.000000	0.985	266648.234	ug/L	160.832
68 Zn	100.000000	0.800	99532.398	ug/L	946.271
75 As	100.000000	0.565	290666.857	ug/L	17538.587
> 72 Ge-1			1423518.849	ug/L	1420743.829
111 Cd	100.000000	0.791	241455.309	ug/L	39.148
121 Sb	50.000000	0.183	424018.405	ug/L	148.335
135 Ba	100.000000	0.229	234097.440	ug/L	147.668
> 115 In-1			1352586.496	ug/L	1362372.372
208 Pb	100.000000	0.109	2650745.846	ug/L	1468.733
> 169 Tm-1			873362.408	ug/L	891179.494
50 Cr	100.000000	2.566	20201.866	ug/L	-292.888
53 Cr	100.000000	5.743	81987.920	ug/L	45341.575
61 Ni	100.000000	0.272	5746.591	ug/L	1873.442
63 Cu	100.000000	0.714	194231.299	ug/L	101.336
67 Zn	100.000000	3.506	11746.320	ug/L	2918.555
66 Zn	100.000000	1.109	50643.945	ug/L	192.008
> 72 Ge			1423518.849	ug/L	1420743.829
108 Cd	100.000000	1.646	16949.666	ug/L	3.705
114 Cd	100.000000	0.689	577107.271	ug/L	61.797
> 115 In			1352586.496	ug/L	1362372.372
208 207.977	100.000000	0.213	1354276.572	ug/L	775.714
207 Pb	100.000000	0.299	553891.594	ug/L	306.341
206 Pb	100.000000	0.660	742577.680	ug/L	386.678
> 169 Tm			873362.408	ug/L	891179.494

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

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:15:57

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 2.015

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1086837.213	ug/L	1102511.168
> 6 Li-1			273973.434	ug/L	273364.111
[9 Be	99.399427	1.502	17458.588	ug/L	4.333
[44 Ca	5010.415513	0.701	1101211.940	ug/L	48936.120
[52 Cr	98.491676	0.410	880652.604	ug/L	30280.550
[55 Mn	99.173144	1.497	1380278.516	ug/L	2617.872
[60 Ni	98.552852	1.329	232550.003	ug/L	619.990
[65 Cu	99.148020	0.882	262914.840	ug/L	160.832
[68 Zn	99.332422	0.584	98318.759	ug/L	946.271
[75 As	98.519067	1.504	284979.086	ug/L	17538.587
> 72 Ge-1			1415744.991	ug/L	1420743.829
[111 Cd	99.296196	1.529	238613.211	ug/L	39.148
[121 Sb	49.428646	1.913	417159.353	ug/L	148.335
[135 Ba	99.129767	1.963	230942.921	ug/L	147.668
> 115 In-1			1346373.412	ug/L	1362372.372
[208 Pb	98.783630	1.497	2620232.614	ug/L	1468.733
> 169 Tm-1			874119.104	ug/L	891179.494
[50 Cr	100.527896	3.438	20188.863	ug/L	-292.888
[53 Cr	91.090845	0.840	78281.146	ug/L	45341.575
[61 Ni	102.180229	1.798	5798.055	ug/L	1873.442
[63 Cu	97.782083	0.770	188857.756	ug/L	101.336
[67 Zn	95.988861	0.107	11326.502	ug/L	2918.555
[66 Zn	99.121902	1.109	49914.946	ug/L	192.008
> 72 Ge			1415744.991	ug/L	1420743.829
[108 Cd	99.011782	1.670	16703.131	ug/L	3.705
[114 Cd	99.741201	1.313	572867.818	ug/L	61.797
> 115 In			1346373.412	ug/L	1362372.372
[208 207.977	98.876773	1.421	1340004.694	ug/L	775.714
[207 Pb	98.851108	1.370	547912.168	ug/L	306.341
[206 Pb	98.563418	1.825	732315.751	ug/L	386.678
> 169 Tm			874119.104	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	100.223

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Sample ID: CCV 2

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	99.648
	Cd	111	
	Sb	121	
|	Ba	135	
|>	In-1	115	98.826
|	Pb	208	
|>	Tm-1	169	98.086
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|>	Ge	72	99.648
|	Cd	108	
|	Cd	114	
|>	In	115	98.826
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	98.086

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:19:47

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 2.016

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1084914.932	ug/L	1102511.168
> 6 Li-1			268170.819	ug/L	273364.111
9 Be	0.019747	116.893	7.667	ug/L	4.333
44 Ca	-4.974345	53.523	47322.302	ug/L	48936.120
52 Cr	-0.196670	29.676	28239.530	ug/L	30280.550
55 Mn	0.008511	132.154	2705.577	ug/L	2617.872
60 Ni	0.002861	826.175	619.831	ug/L	619.990
65 Cu	0.008031	162.465	180.305	ug/L	160.832
68 Zn	-0.091589	23.004	846.035	ug/L	946.271
75 As	0.155644	157.684	17748.427	ug/L	17538.587
> 72 Ge-1			1404103.211	ug/L	1420743.829
111 Cd	0.011047	76.799	65.800	ug/L	39.148
121 Sb	0.081040	23.948	837.723	ug/L	148.335
135 Ba	0.012249	73.675	176.002	ug/L	147.668
> 115 In-1			1358425.313	ug/L	1362372.372
208 Pb	0.014993	42.293	1850.438	ug/L	1468.733
> 169 Tm-1			879875.769	ug/L	891179.494
50 Cr	0.153522	87.567	-258.269	ug/L	-292.888
53 Cr	-8.128243	8.274	41883.481	ug/L	45341.575
61 Ni	-2.070510	55.637	1772.358	ug/L	1873.442
63 Cu	0.007644	194.002	115.003	ug/L	101.336
67 Zn	-2.248014	49.428	2689.593	ug/L	2918.555
66 Zn	0.038073	24.518	208.676	ug/L	192.008
> 72 Ge			1404103.211	ug/L	1420743.829
108 Cd	0.039811	31.852	10.470	ug/L	3.705
114 Cd	0.013364	58.126	139.024	ug/L	61.797
> 115 In			1358425.313	ug/L	1362372.372
208 207.977	0.014287	43.734	960.740	ug/L	775.714
207 Pb	0.015634	41.240	389.679	ug/L	306.341
206 Pb	0.015804	41.361	500.020	ug/L	386.678
> 169 Tm			879875.769	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	98.100

[	Be	9	
[	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	98.829
[	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	99.710
[	Pb	208	
>	Tm-1	169	98.732
[	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	98.829
[	Cd	108	
|	Cd	114	
>	In	115	99.710
[	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	98.732

SOP No. SAC-MT-0001

SHargrave

Sample ID: LLSTD1

Sample Description: LLSTD@10X

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 14:23:35

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\LLSTD1.017

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 83

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1105651.840	ug/L	1102511.168
> 6 Li-1			269414.580	ug/L	273364.111
[9 Be	1.027142	13.388	181.669	ug/L	4.333
[44 Ca	46.147044	5.012	59272.429	ug/L	48936.120
[52 Cr	1.120675	7.578	40409.943	ug/L	30280.550
[55 Mn	0.994173	3.067	16652.773	ug/L	2617.872
[60 Ni	0.813454	2.855	2568.072	ug/L	619.990
[65 Cu	0.981367	2.570	2799.908	ug/L	160.832
[68 Zn	5.109488	1.397	6035.399	ug/L	946.271
[75 As	0.913853	10.307	20237.275	ug/L	17538.587
> 72 Ge-1			1435493.251	ug/L	1420743.829
[111 Cd	1.002707	1.787	2483.224	ug/L	39.148
[121 Sb	0.494925	0.497	4384.510	ug/L	148.335
[135 Ba	0.970731	1.874	2441.135	ug/L	147.668
> 115 In-1			1365583.189	ug/L	1362372.372
[208 Pb	0.982050	0.855	27767.431	ug/L	1468.733
> 169 Tm-1			883257.994	ug/L	891179.494
[50 Cr	1.526380	24.793	19.651	ug/L	-292.888
[53 Cr	2.950053	76.386	46900.448	ug/L	45341.575
[61 Ni	-2.170730	179.660	1808.389	ug/L	1873.442
[63 Cu	0.988573	2.382	2037.580	ug/L	101.336
[67 Zn	2.171969	38.845	3142.172	ug/L	2918.555
[66 Zn	4.995082	2.826	2735.313	ug/L	192.008
> 72 Ge			1435493.251	ug/L	1420743.829
[108 Cd	0.926256	6.736	162.226	ug/L	3.705
[114 Cd	0.982861	1.969	5787.712	ug/L	61.797
> 115 In			1365583.189	ug/L	1362372.372
[208 207.977	1.020740	1.860	14740.722	ug/L	775.714
[207 Pb	1.014184	0.418	5981.810	ug/L	306.341
[206 Pb	0.887517	1.195	7044.898	ug/L	386.678
> 169 Tm			883257.994	ug/L	891179.494

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	98.555

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	101.038
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	100.236
|	Pb	208	
>	Tm-1	169	99.111
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	101.038
|	Cd	108	
|	Cd	114	
>	In	115	100.236
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	99.111

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:09:50

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 3.025

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1098774.189	ug/L	1102511.168
> 6 Li-1			275356.472	ug/L	273364.111
[9 Be	100.220437	1.243	17701.274	ug/L	4.333
[44 Ca	5224.312072	2.965	1140154.733	ug/L	48936.120
[52 Cr	100.656858	0.962	894446.520	ug/L	30280.550
[55 Mn	100.805393	0.718	1395505.230	ug/L	2617.872
[60 Ni	98.817542	1.071	231938.718	ug/L	619.990
[65 Cu	99.006529	0.948	261108.967	ug/L	160.832
[68 Zn	100.588566	0.829	99009.699	ug/L	946.271
[75 As	99.691569	0.257	286617.924	ug/L	17538.587
> 72 Ge-1			1407809.574	ug/L	1420743.829
[111 Cd	100.635556	1.544	237446.835	ug/L	39.148
[121 Sb	50.325752	0.763	417047.266	ug/L	148.335
[135 Ba	100.262502	1.683	229356.703	ug/L	147.668
> 115 In-1			1321745.084	ug/L	1362372.372
[208 Pb	100.384169	1.044	2611726.766	ug/L	1468.733
> 169 Tm-1			857255.467	ug/L	891179.494
[50 Cr	102.667455	1.145	20518.545	ug/L	-292.888
[53 Cr	94.948609	5.847	79250.059	ug/L	45341.575
[61 Ni	99.717062	1.750	5673.075	ug/L	1873.442
[63 Cu	97.749066	1.387	187758.199	ug/L	101.336
[67 Zn	99.689959	2.633	11587.822	ug/L	2918.555
[66 Zn	99.780404	1.136	49977.381	ug/L	192.008
> 72 Ge			1407809.574	ug/L	1420743.829
[108 Cd	98.814292	1.091	16367.955	ug/L	3.705
[114 Cd	100.309238	1.393	565670.650	ug/L	61.797
> 115 In			1321745.084	ug/L	1362372.372
[208 207.977	100.486930	1.225	1335801.262	ug/L	775.714
[207 Pb	100.273137	0.771	545129.868	ug/L	306.341
[206 Pb	100.279576	1.212	730795.637	ug/L	386.678
> 169 Tm			857255.467	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	100.729

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Sample ID: CCV 3

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	99.090
	Cd	111	
	Sb	121	
|	Ba	135	
>	In-1	115	97.018
|	Pb	208	
>	Tm-1	169	96.193
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	99.090
|	Cd	108	
|	Cd	114	
>	In	115	97.018
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	96.193

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:13:40

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 3.026

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1133557.042	ug/L	1102511.168
> 6 Li-1			278318.041	ug/L	273364.111
[9 Be	0.012522	108.529	6.667	ug/L	4.333
[44 Ca	-8.894859	39.594	47947.317	ug/L	48936.120
[52 Cr	-0.087490	47.962	30079.266	ug/L	30280.550
[55 Mn	0.001127	901.753	2683.901	ug/L	2617.872
[60 Ni	-0.001009	2136.910	629.486	ug/L	619.990
[65 Cu	0.027443	34.352	238.330	ug/L	160.832
[68 Zn	-0.062863	31.117	901.056	ug/L	946.271
[75 As	-0.071580	322.527	17667.986	ug/L	17538.587
> 72 Ge-1			1447524.675	ug/L	1420743.829
[111 Cd	0.010639	123.328	65.827	ug/L	39.148
[121 Sb	0.017588	32.639	302.007	ug/L	148.335
[135 Ba	0.022045	80.361	202.003	ug/L	147.668
> 115 In-1			1377616.856	ug/L	1362372.372
[208 Pb	0.015885	60.999	1887.443	ug/L	1468.733
> 169 Tm-1			885598.151	ug/L	891179.494
[50 Cr	0.088063	96.375	-280.032	ug/L	-292.888
[53 Cr	-10.360277	12.616	42349.676	ug/L	45341.575
[61 Ni	-1.808905	101.983	1837.410	ug/L	1873.442
[63 Cu	0.032475	23.760	167.340	ug/L	101.336
[67 Zn	-3.969731	29.603	2617.842	ug/L	2918.555
[66 Zn	0.018207	133.178	205.009	ug/L	192.008
> 72 Ge			1447524.675	ug/L	1420743.829
[108 Cd	0.040770	60.281	10.804	ug/L	3.705
[114 Cd	0.016558	72.333	160.057	ug/L	61.797
> 115 In			1377616.856	ug/L	1362372.372
[208 207.977	0.014902	73.625	976.076	ug/L	775.714
[207 Pb	0.019055	58.653	411.680	ug/L	306.341
[206 Pb	0.015312	41.733	499.686	ug/L	386.678
> 169 Tm			885598.151	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std	% Recovery
Sc 45		
> Li-1 6		101.812

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	101.885
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	101.119
|	Pb	208	
>	Tm-1	169	99.374
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	101.885
|	Cd	108	
|	Cd	114	
>	In	115	101.119
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	99.374

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:17:30

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 4.027

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1108724.635	ug/L	1102511.168
> 6 Li-1			277816.338	ug/L	273364.111
9 Be	97.847078	0.900	17433.853	ug/L	4.333
44 Ca	5118.187024	1.344	1135569.644	ug/L	48936.120
52 Cr	99.394956	0.823	897687.138	ug/L	30280.550
55 Mn	99.096789	0.994	1393704.931	ug/L	2617.872
60 Ni	98.108632	1.000	233942.695	ug/L	619.990
65 Cu	97.951839	0.641	262430.532	ug/L	160.832
68 Zn	98.571661	0.157	98588.902	ug/L	946.271
75 As	98.640931	0.301	288318.687	ug/L	17538.587
> 72 Ge-1			1430323.351	ug/L	1420743.829
111 Cd	99.445888	0.514	237476.185	ug/L	39.148
121 Sb	49.713161	0.293	416943.053	ug/L	148.335
135 Ba	98.212895	0.320	227384.517	ug/L	147.668
> 115 In-1			1337695.604	ug/L	1362372.372
208 Pb	99.674714	0.589	2578422.362	ug/L	1468.733
> 169 Tm-1			852303.742	ug/L	891179.494
50 Cr	100.548621	0.738	20409.473	ug/L	-292.888
53 Cr	90.998640	2.942	79049.142	ug/L	45341.575
61 Ni	96.342723	1.517	5631.971	ug/L	1873.442
63 Cu	97.465901	0.497	190210.467	ug/L	101.336
67 Zn	95.956181	1.673	11440.395	ug/L	2918.555
66 Zn	99.345831	0.848	50549.645	ug/L	192.008
> 72 Ge			1430323.351	ug/L	1420743.829
108 Cd	99.632274	0.626	16702.890	ug/L	3.705
114 Cd	99.563636	0.613	568245.321	ug/L	61.797
> 115 In			1337695.604	ug/L	1362372.372
208 207.977	100.023461	0.875	1321974.264	ug/L	775.714
207 Pb	99.518078	1.084	537952.380	ug/L	306.341
206 Pb	99.155505	0.337	718495.718	ug/L	386.678
> 169 Tm			852303.742	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std	% Recovery
Sc 45		
> Li-1 6		101.629

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	100.674
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	98.189
|	Pb	208	
>	Tm-1	169	95.638
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	100.674
|	Cd	108	
|	Cd	114	
>	In	115	98.189
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	95.638

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:21:20

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 4.028

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1136927.250	ug/L	1102511.168
> 6 Li-1			277246.447	ug/L	273364.111
[9 Be	0.005379	168.345	5.333	ug/L	4.333
[44 Ca	-4.463520	33.793	48869.626	ug/L	48936.120
[52 Cr	0.043928	82.972	31225.128	ug/L	30280.550
[55 Mn	-0.007657	45.823	2557.514	ug/L	2617.872
[60 Ni	-0.001234	162.402	628.299	ug/L	619.990
[65 Cu	0.003230	161.092	172.685	ug/L	160.832
[68 Zn	-0.003425	853.086	959.982	ug/L	946.271
[75 As	-0.123727	54.934	17513.394	ug/L	17538.587
> 72 Ge-1			1446697.871	ug/L	1420743.829
[111 Cd	0.000810	73.347	41.443	ug/L	39.148
[121 Sb	0.003184	46.931	177.002	ug/L	148.335
[135 Ba	0.000338	575.225	149.668	ug/L	147.668
> 115 In-1			1373353.163	ug/L	1362372.372
[208 Pb	0.001017	98.645	1462.397	ug/L	1468.733
> 169 Tm-1			870976.626	ug/L	891179.494
[50 Cr	-0.040937	161.518	-306.659	ug/L	-292.888
[53 Cr	-2.981176	110.517	45077.921	ug/L	45341.575
[61 Ni	-2.350062	72.969	1816.060	ug/L	1873.442
[63 Cu	0.008477	224.160	120.337	ug/L	101.336
[67 Zn	-0.383326	739.346	2940.582	ug/L	2918.555
[66 Zn	0.008056	155.349	199.675	ug/L	192.008
> 72 Ge			1446697.871	ug/L	1420743.829
[108 Cd	0.045709	37.332	11.594	ug/L	3.705
[114 Cd	0.005622	74.112	95.278	ug/L	61.797
> 115 In			1373353.163	ug/L	1362372.372
[208 207.977	-0.001361	242.900	739.710	ug/L	775.714
[207 Pb	0.003636	99.155	319.675	ug/L	306.341
[206 Pb	0.003402	97.700	403.013	ug/L	386.678
> 169 Tm			870976.626	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std	% Recovery
Sc 45		
> Li-1 6		101.420

Report Date/Time: Sunday, December 19, 2010 15:22:53

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Sample ID: CCB 4

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	101.827
	Cd	111	
	Sb	121	
|	Ba	135	
>	In-1	115	100.806
|	Pb	208	
>	Tm-1	169	97.733
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	101.827
|	Cd	108	
|	Cd	114	
>	In	115	100.806
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	97.733

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 5

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:43:44

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 5.034

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1146703.826	ug/L	1102511.168
> 6 Li-1			285395.305	ug/L	273364.111
[9 Be	99.391984	2.458	18194.665	ug/L	4.333
[44 Ca	5179.591677	2.788	1179007.349	ug/L	48936.120
[52 Cr	100.600411	1.785	932173.087	ug/L	30280.550
[55 Mn	99.446329	1.779	1435587.442	ug/L	2617.872
[60 Ni	98.257494	1.328	240460.144	ug/L	619.990
[65 Cu	98.362317	1.232	270471.539	ug/L	160.832
[68 Zn	99.667246	1.880	102291.339	ug/L	946.271
[75 As	98.638314	0.819	295857.159	ug/L	17538.587
> [72 Ge-1			1467833.641	ug/L	1420743.829
[111 Cd	100.030166	0.302	243007.603	ug/L	39.148
[121 Sb	49.506669	0.615	422394.698	ug/L	148.335
[135 Ba	97.601450	1.324	229891.247	ug/L	147.668
> [115 In-1			1360858.600	ug/L	1362372.372
[208 Pb	99.754691	0.945	2592707.485	ug/L	1468.733
> [169 Tm-1			856383.492	ug/L	891179.494
[50 Cr	102.179913	1.814	21290.750	ug/L	-292.888
[53 Cr	96.819485	7.372	83342.946	ug/L	45341.575
[61 Ni	97.919277	4.826	5844.517	ug/L	1873.442
[63 Cu	97.079741	0.979	194433.804	ug/L	101.336
[67 Zn	97.673914	2.264	11897.748	ug/L	2918.555
[66 Zn	99.804770	1.875	52125.427	ug/L	192.008
> [72 Ge			1467833.641	ug/L	1420743.829
[108 Cd	99.215020	0.709	16920.132	ug/L	3.705
[114 Cd	100.065430	0.148	580998.049	ug/L	61.797
> [115 In			1360858.600	ug/L	1362372.372
[208 207.977	99.777619	0.818	1324954.535	ug/L	775.714
[207 Pb	99.441897	1.410	540089.943	ug/L	306.341
[206 Pb	99.946202	0.891	727663.008	ug/L	386.678
> [169 Tm			856383.492	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std	% Recovery
Sc 45		
> Li-1 6		104.401

Report Date/Time: Sunday, December 19, 2010 15:45:17

Page 1

Sample ID: CCV 5

[	Be	9	
[	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	103.314
[	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	99.889
[	Pb	208	
>	Tm-1	169	96.096
[	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	103.314
[	Cd	108	
|	Cd	114	
>	In	115	99.889
[	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	96.096

Sample ID: CCB 5

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:47:34

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 5.035

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1172870.068	ug/L	1102511.168
> 6 Li-1			279710.457	ug/L	273364.111
9 Be	0.016093	70.133	7.333	ug/L	4.333
44 Ca	-21.917103	11.148	46360.931	ug/L	48936.120
52 Cr	-0.055664	111.974	31174.521	ug/L	30280.550
55 Mn	-0.005378	269.171	2661.559	ug/L	2617.872
60 Ni	-0.002338	536.305	643.043	ug/L	619.990
65 Cu	0.017291	66.386	216.552	ug/L	160.832
68 Zn	-0.050934	133.846	938.003	ug/L	946.271
75 As	0.042516	375.358	18468.765	ug/L	17538.587
> 72 Ge-1			1486431.979	ug/L	1420743.829
111 Cd	0.012476	68.065	70.724	ug/L	39.148
121 Sb	0.009181	23.107	230.671	ug/L	148.335
135 Ba	0.012698	70.947	180.669	ug/L	147.668
> 115 In-1			1386075.738	ug/L	1362372.372
208 Pb	0.014542	58.238	1827.104	ug/L	1468.733
> 169 Tm-1			873871.911	ug/L	891179.494
50 Cr	0.113917	131.026	-282.204	ug/L	-292.888
53 Cr	-9.360207	11.851	43865.281	ug/L	45341.575
61 Ni	-2.227265	167.714	1870.440	ug/L	1873.442
63 Cu	0.014229	77.073	135.004	ug/L	101.336
67 Zn	-5.131354	15.363	2581.467	ug/L	2918.555
66 Zn	0.039543	39.295	221.677	ug/L	192.008
> 72 Ge			1486431.979	ug/L	1420743.829
108 Cd	0.032446	138.661	9.372	ug/L	3.705
114 Cd	0.018969	54.931	175.116	ug/L	61.797
> 115 In			1386075.738	ug/L	1362372.372
208 207.977	0.014558	69.488	958.740	ug/L	775.714
207 Pb	0.014456	47.110	380.678	ug/L	306.341
206 Pb	0.014575	47.914	487.686	ug/L	386.678
> 169 Tm			873871.911	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std	% Recovery
Sc 45		
> Li-1 6		102.322

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	104.624
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	101.740
|	Pb	208	
>	Tm-1	169	98.058
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	104.624
|	Cd	108	
|	Cd	114	
>	In	115	101.740
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	98.058

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 6

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:51:24

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 6.036

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1168025.494	ug/L	1102511.168
> 6 Li-1			291541.662	ug/L	273364.111
9 Be	98.597463	1.368	18436.683	ug/L	4.333
44 Ca	5137.338429	2.234	1184839.740	ug/L	48936.120
52 Cr	99.276360	0.932	932124.234	ug/L	30280.550
55 Mn	99.923239	1.190	1461023.428	ug/L	2617.872
60 Ni	98.036406	1.099	243031.410	ug/L	619.990
65 Cu	98.625932	0.274	274695.184	ug/L	160.832
68 Zn	98.826432	0.410	102747.365	ug/L	946.271
75 As	98.374543	0.741	298960.341	ug/L	17538.587
> 72 Ge-1			1486878.643	ug/L	1420743.829
111 Cd	99.960717	0.381	245770.852	ug/L	39.148
121 Sb	49.460594	1.039	427105.418	ug/L	148.335
135 Ba	98.106009	1.057	233860.462	ug/L	147.668
> 115 In-1			1377312.514	ug/L	1362372.372
208 Pb	99.022730	1.060	2646013.240	ug/L	1468.733
> 169 Tm-1			880474.880	ug/L	891179.494
50 Cr	102.459769	1.043	21625.903	ug/L	-292.888
53 Cr	89.673220	6.081	81681.339	ug/L	45341.575
61 Ni	99.017428	1.463	5962.813	ug/L	1873.442
63 Cu	97.394887	0.226	197588.686	ug/L	101.336
67 Zn	95.643314	2.919	11865.245	ug/L	2918.555
66 Zn	99.175715	1.377	52465.520	ug/L	192.008
> 72 Ge			1486878.643	ug/L	1420743.829
108 Cd	99.599816	1.033	17191.468	ug/L	3.705
114 Cd	99.784033	0.544	586364.707	ug/L	61.797
> 115 In			1377312.514	ug/L	1362372.372
208 207.977	99.185410	1.011	1354115.496	ug/L	775.714
207 Pb	98.908719	1.380	552268.959	ug/L	306.341
206 Pb	98.811079	0.972	739628.784	ug/L	386.678
> 169 Tm			880474.880	ug/L	891179.494

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
> Li-1	6		106.650

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	104.655
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	101.097
|	Pb	208	
>	Tm-1	169	98.799
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	104.655
|	Cd	108	
|	Cd	114	
>	In	115	101.097
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	98.799

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 6

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 15:55:14

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 6.037

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1174489.846	ug/L	1102511.168
> 6 Li-1			282548.508	ug/L	273364.111
| 9 Be	0.019391	47.827	8.000	ug/L	4.333
| 44 Ca	-27.155629	13.841	45545.409	ug/L	48936.120
| 52 Cr	-0.136475	48.306	30669.396	ug/L	30280.550
| 55 Mn	-0.005967	145.807	2672.562	ug/L	2617.872
| 60 Ni	-0.000992	647.789	651.237	ug/L	619.990
| 65 Cu	0.009886	92.866	197.476	ug/L	160.832
| 68 Zn	-0.112659	48.382	881.143	ug/L	946.271
| 75 As	0.005139	1277.517	18503.853	ug/L	17538.587
> 72 Ge-1			1497750.640	ug/L	1420743.829
| 111 Cd	0.012010	69.620	69.349	ug/L	39.148
| 121 Sb	0.003843	31.553	184.003	ug/L	148.335
| 135 Ba	0.012657	19.322	180.336	ug/L	147.668
> 115 In-1			1384068.537	ug/L	1362372.372
| 208 Pb	0.013683	45.154	1826.769	ug/L	1468.733
> 169 Tm-1			884940.750	ug/L	891179.494
| 50 Cr	0.071668	112.641	-293.462	ug/L	-292.888
| 53 Cr	-10.578400	6.057	43731.424	ug/L	45341.575
| 61 Ni	-3.241286	10.791	1843.081	ug/L	1873.442
| 63 Cu	0.013088	60.142	133.671	ug/L	101.336
| 67 Zn	-4.987641	14.928	2614.170	ug/L	2918.555
| 66 Zn	0.035058	13.170	221.011	ug/L	192.008
> 72 Ge			1497750.640	ug/L	1420743.829
| 108 Cd	0.086245	62.598	18.742	ug/L	3.705
| 114 Cd	0.014127	69.063	145.974	ug/L	61.797
> 115 In			1384068.537	ug/L	1362372.372
| 208 207.977	0.013417	40.577	954.739	ug/L	775.714
| 207 Pb	0.013531	51.135	380.345	ug/L	306.341
| 206 Pb	0.014283	51.973	491.686	ug/L	386.678
> 169 Tm			884940.750	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std	% Recovery
Sc 45		
> Li-1 6		103.360

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	105.420
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	101.593
|	Pb	208	
>	Tm-1	169	99.300
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	105.420
|	Cd	108	
|	Cd	114	
>	In	115	101.593
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	99.300

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCAHT

Sample Description: G0L140439-1

Batch ID: 351287

Sample Date/Time: Sunday, December 19, 2010 16:36:26

Method File: C:\elandata\Method\000-TRC-AIRTEK.mth

Dataset File: C:\elandata\Dataset\101219a1\MCG5H.048

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 44

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1116376.780	ug/L	1102511.168
> 6 Li-1			276243.762	ug/L	273364.111
[9 Be	0.005410	65.580	5.333	ug/L	4.333
[44 Ca	4023.809493	2.785	897462.606	ug/L	48936.120
[52 Cr	3.584870	4.049	61360.193	ug/L	30280.550
[55 Mn	2787.932126	0.487	38883791.135	ug/L	2617.872
[60 Ni	3.705950	1.035	9375.467	ug/L	619.990
[65 Cu	70.694040	0.514	188215.667	ug/L	160.832
[68 Zn	41.691629	1.880	41973.989	ug/L	946.271
[75 As	0.942297	13.183	20108.710	ug/L	17538.587
> 72 Ge-1			1420962.409	ug/L	1420743.829
[111 Cd	1.167044	1.664	2933.209	ug/L	39.148
[121 Sb	2.596350	0.758	22754.946	ug/L	148.335
[135 Ba	58.338764	1.027	140308.616	ug/L	147.668
> 115 In-1			1389060.015	ug/L	1362372.372
[208 Pb	5.142118	1.779	139939.899	ug/L	1468.733
> 169 Tm-1			887821.488	ug/L	891179.494
[50 Cr	10.705563	12.970	1896.420	ug/L	-292.888
[53 Cr	-66.055064	10.085	21270.005	ug/L	45341.575
[61 Ni	7.887479	29.846	2178.712	ug/L	1873.442
[63 Cu	70.129093	1.262	135993.238	ug/L	101.336
[67 Zn	26.504991	12.482	5253.079	ug/L	2918.555
[66 Zn	41.833643	0.612	21259.647	ug/L	192.008
> 72 Ge			1420962.409	ug/L	1420743.829
[108 Cd	3.061727	4.349	536.735	ug/L	3.705
[114 Cd	1.068110	3.780	6391.552	ug/L	61.797
> 115 In			1389060.015	ug/L	1362372.372
[208 207.977	5.298883	1.663	73677.772	ug/L	775.714
[207 Pb	5.372052	2.113	30535.771	ug/L	306.341
[206 Pb	4.684688	1.830	35726.356	ug/L	386.678
> 169 Tm			887821.488	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	101.053

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Sample ID: MCAHT

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	100.015
	Cd	111	
	Sb	121	
|	Ba	135	
>	In-1	115	101.959
|	Pb	208	
>	Tm-1	169	99.623
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	100.015
|	Cd	108	
|	Cd	114	
>	In	115	101.959
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	99.623

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 7

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:40:17

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 7.049

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1137818.214	ug/L	1102511.168
> 6 Li-1			286481.434	ug/L	273364.111
[9 Be	101.388255	0.458	18624.907	ug/L	4.333
[44 Ca	5370.796757	2.009	1197239.517	ug/L	48936.120
[52 Cr	103.524279	1.505	940047.591	ug/L	30280.550
[55 Mn	103.084791	0.952	1459624.671	ug/L	2617.872
[60 Ni	100.471323	0.379	241178.443	ug/L	619.990
[65 Cu	100.764500	0.810	271757.228	ug/L	160.832
[68 Zn	102.601520	0.649	103259.185	ug/L	946.271
[75 As	99.827018	0.788	293511.550	ug/L	17538.587
> 72 Ge-1			1439921.880	ug/L	1420743.829
[111 Cd	101.714006	0.484	242898.132	ug/L	39.148
[121 Sb	50.342971	1.415	422179.941	ug/L	148.335
[135 Ba	99.616861	0.883	230656.933	ug/L	147.668
> 115 In-1			1337798.823	ug/L	1362372.372
[208 Pb	101.985776	1.958	2625116.172	ug/L	1468.733
> 169 Tm-1			848308.710	ug/L	891179.494
[50 Cr	106.807959	2.530	21836.336	ug/L	-292.888
[53 Cr	100.027550	7.928	82958.429	ug/L	45341.575
[61 Ni	102.732867	5.545	5922.725	ug/L	1873.442
[63 Cu	99.486367	0.914	195454.280	ug/L	101.336
[67 Zn	99.532317	3.610	11840.479	ug/L	2918.555
[66 Zn	101.642763	1.450	52062.473	ug/L	192.008
> 72 Ge			1439921.880	ug/L	1420743.829
[108 Cd	101.510620	1.368	17015.782	ug/L	3.705
[114 Cd	101.576822	0.735	579723.916	ug/L	61.797
> 115 In			1337798.823	ug/L	1362372.372
[208 207.977	102.120517	2.114	1342990.037	ug/L	775.714
[207 Pb	101.692752	1.821	546982.251	ug/L	306.341
[206 Pb	101.958615	1.900	735143.884	ug/L	386.678
> 169 Tm			848308.710	ug/L	891179.494

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
> Li-1 6	104.798

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Page 1

Sample ID: CCV 7

	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
>	Ge-1	72	101.350
	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	98.196
|	Pb	208	
>	Tm-1	169	95.189
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	101.350
|	Cd	108	
|	Cd	114	
>	In	115	98.196
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	95.189

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 7

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:44:06

Method File: c:\elandata\Method\000-trc-airtek.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 7.050

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1188491.618	ug/L	1102511.168
> 6 Li-1			288407.403	ug/L	273364.111
9 Be	0.009448	81.321	6.333	ug/L	4.333
44 Ca	-32.811049	10.447	43764.009	ug/L	48936.120
52 Cr	-0.051635	52.212	31072.014	ug/L	30280.550
55 Mn	0.028955	74.592	3147.784	ug/L	2617.872
60 Ni	-0.004290	96.154	635.180	ug/L	619.990
65 Cu	0.011498	43.256	199.358	ug/L	160.832
68 Zn	-0.057821	82.706	926.439	ug/L	946.271
75 As	0.129208	34.911	18633.167	ug/L	17538.587
> 72 Ge-1			1479722.512	ug/L	1420743.829
111 Cd	0.014224	59.748	74.614	ug/L	39.148
121 Sb	0.004592	29.061	189.670	ug/L	148.335
135 Ba	0.013845	20.518	182.336	ug/L	147.668
> 115 In-1			1377549.763	ug/L	1362372.372
208 Pb	0.004790	41.702	1580.409	ug/L	1468.733
> 169 Tm-1			880951.585	ug/L	891179.494
50 Cr	-0.003998	3999.105	-305.968	ug/L	-292.888
53 Cr	-9.929058	22.745	43454.974	ug/L	45341.575
61 Ni	-2.104094	71.796	1866.767	ug/L	1873.442
63 Cu	0.017547	44.572	141.004	ug/L	101.336
67 Zn	-5.732949	14.809	2514.391	ug/L	2918.555
66 Zn	0.008305	271.130	204.343	ug/L	192.008
> 72 Ge			1479722.512	ug/L	1420743.829
108 Cd	0.005889	242.757	4.767	ug/L	3.705
114 Cd	0.012485	55.625	135.883	ug/L	61.797
> 115 In			1377549.763	ug/L	1362372.372
208 207.977	0.003706	44.701	817.386	ug/L	775.714
207 Pb	0.005102	12.804	331.342	ug/L	306.341
206 Pb	0.006533	100.363	431.681	ug/L	386.678
> 169 Tm			880951.585	ug/L	891179.494

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
> Li-1	6		105.503

|	Be	9	
|	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
>	Ge-1	72	104.151
|	Cd	111	
|	Sb	121	
|	Ba	135	
>	In-1	115	101.114
|	Pb	208	
>	Tm-1	169	98.852
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
>	Ge	72	104.151
|	Cd	108	
|	Cd	114	
>	In	115	101.114
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	98.852

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 8

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:47:57

Method File: c:\elandata\Method\000-ng.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 8.051

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	7615.389246	0.808	1999959.348	ug/L	48936.120
55 Mn	116.219144	0.426	1962125.713	ug/L	2617.872
75 As	94.793770	0.555	333528.537	ug/L	17538.587
72 Ge-1			1717452.412	ug/L	1420743.829

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	120.884

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 8

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:50:39

Method File: c:\elandata\Method\000-ng.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 8.052

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	-14.602454	8.225	56404.538	ug/L	48936.120
55 Mn	0.018248	28.862	3532.647	ug/L	2617.872
75 As	-0.526047	24.671	19809.789	ug/L	17538.587
72 Ge-1			1747540.474	ug/L	1420743.829

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	123.002

SOP No. SAC-MT-0001

SHargrave

Sample ID: BLK RECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:50:39

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 8.052

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca			56404.538	ug/L	
55 Mn			3532.647	ug/L	
75 As			19809.789	ug/L	
72 Ge-1			1747540.474	ug/L	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	

SOP No. SAC-MT-0001

SHargrave

Sample ID: STD1 RECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:47:57

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 8.051

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	5100.000000	0.807	1999959.348	ug/L	56404.538
55 Mn	100.000000	0.426	1962125.713	ug/L	3532.647
75 As	100.000000	0.552	333528.537	ug/L	19809.789
72 Ge-1			1717452.412	ug/L	1747540.474

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 9

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:53:21

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 9.053

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	5126.278784	0.380	2021090.395	ug/L	56404.538
55 Mn	100.728534	1.146	1987365.695	ug/L	3532.647
75 As	100.197188	0.754	335992.375	ug/L	19809.789
72 Ge-1			1726984.417	ug/L	1747540.474

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Ca 44	
Mn 55	
As 75	
Ge-1 72	98.824

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 9

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 16:56:04

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 9.054

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	1.966752	54.668	56843.421	ug/L	56404.538
55 Mn	0.004004	153.925	3592.348	ug/L	3532.647
75 As	0.297165	32.363	20642.491	ug/L	19809.789
72 Ge-1			1737656.840	ug/L	1747540.474

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	99.434

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCHWRB

Sample Description: G0L170000-286 BLK

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 16:58:42

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCHWRB.055

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 22

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	111.909501	5.787	96718.473	ug/L	56404.538
55 Mn	0.226039	11.823	7783.430	ug/L	3532.647
75 As	0.274189	85.066	20040.549	ug/L	19809.789
72 Ge-1			1693807.719	ug/L	1747540.474

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Ca 44	
Mn 55	
As 75	
Ge-1 72	96.925

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCHWRC

Sample Description: GOL170000-286 LCS

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:01:19

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCHWRC.056

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 105

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	1178.429978	5.200	497336.761	ug/L	56404.538
55 Mn	189.678831	4.768	3664038.173	ug/L	3532.647
75 As	187.914553	4.448	600735.943	ug/L	19809.789
72 Ge-1			1694064.314	ug/L	1747540.474

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	96.940

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCHWRL

Sample Description: GOL170000-286 LCSD

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:03:53

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCHWRL.057

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 106

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	1167.753516	3.960	476585.541	ug/L	56404.538
55 Mn	186.660656	2.364	3484204.416	ug/L	3532.647
75 As	185.326222	3.452	572585.335	ug/L	19809.789
72 Ge-1			1635798.392	ug/L	1747540.474

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	93.606

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCAHTP5

Sample Description: GOL140439-1 5X

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:06:30

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCAHT.058

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 45

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	843.167951	1.351	371595.316	ug/L	56404.538
55 Mn	565.673398	1.066	10926952.066	ug/L	3532.647
75 As	0.148253	110.070	19653.238	ug/L	19809.789
72 Ge-1			1693361.055	ug/L	1747540.474

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Ca 44	
Mn 55	
As 75	
Ge-1 72	96.900

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCAHTZ

Sample Description: GOL140439-1 PS

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:09:07

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCAHTP5.059

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 46

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	4955.052766	2.794	1840211.609	ug/L	56404.538
55 Mn	2969.188681	2.044	55040800.631	ug/L	3532.647
75 As	199.264701	2.202	610648.001	ug/L	19809.789
72 Ge-1			1625648.661	ug/L	1747540.474

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	93.025

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCAH0

Sample Description: G0L140439-4

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:11:40

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCAHTZ.060

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 47

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	3132.832754	1.426	1188123.505	ug/L	56404.538
55 Mn	562.160907	1.360	10469995.248	ug/L	3532.647
75 As	0.552402	30.098	20154.343	ug/L	19809.789
72 Ge-1			1632700.253	ug/L	1747540.474

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	93.428

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCAH6

Sample Description: G0L140439-7

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:14:14

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCAH0.061

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 48

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	3590.362039	2.411	1381435.092	ug/L	56404.538
55 Mn	2107.444268	0.805	40043565.179	ug/L	3532.647
75 As	0.779955	18.258	21260.578	ug/L	19809.789
72 Ge-1			1666019.503	ug/L	1747540.474

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Ca 44	
Mn 55	
As 75	
Ge-1 72	95.335

SOP No. SAC-MT-0001

SHargrave

Sample ID: MCAJA

Sample Description: GOL140439-10

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:16:48

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCAH6.062

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 49

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	3429.594889	0.629	1337947.106	ug/L	56404.538
55 Mn	345.502112	0.399	6646035.553	ug/L	3532.647
75 As	0.554587	6.684	20819.883	ug/L	19809.789
72 Ge-1			1685824.784	ug/L	1747540.474

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Ca 44	
Mn 55	
As 75	
Ge-1 72	96.468

SOP No. SAC-MT-0001

SHargrave

Sample ID: XXXX

Sample Description: XXXX

Batch ID: 351286

Sample Date/Time: Sunday, December 19, 2010 17:19:22

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\MCAJA.063

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 50

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	-74.043924	6.718	43268.649	ug/L	56404.538
55 Mn	-0.006096	140.608	5335.903	ug/L	3532.647
75 As	-1.234584	25.545	24804.527	ug/L	19809.789
72 Ge-1			2738336.735	ug/L	1747540.474

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Ca 44	
Mn 55	
As 75	
Ge-1 72	156.697

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCV 10

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 17:22:03

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\CCV 10.064

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	5057.009309	0.535	2025736.580	ug/L	56404.538
55 Mn	98.759670	0.270	1979151.342	ug/L	3532.647
75 As	99.015330	0.132	337468.800	ug/L	19809.789
72 Ge-1			1754012.353	ug/L	1747540.474

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Ca	44	
Mn	55	
As	75	
Ge-1	72	100.370

SOP No. SAC-MT-0001

SHargrave

Sample ID: CCB 10

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 19, 2010 17:24:45

Method File: C:\elandata\Method\000-NG.mth

Dataset File: C:\elandata\Dataset\101219a1\CCB 10.065

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
44 Ca	4.432129	46.086	57833.643	ug/L	56404.538
55 Mn	0.001936	88.333	3553.325	ug/L	3532.647
75 As	0.028011	1036.344	19802.166	ug/L	19809.789
72 Ge-1			1738825.770	ug/L	1747540.474

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Ca 44	
Mn 55	
As 75	
Ge-1 72	99.501

Sample Preparation Log

**TestAmerica - West Sacramento
Metals - Air Toxics - Preparation Log**

Date: 17-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
G0L170000	286	MCHWRE	2A	NA	NA	NA	100 mL	351286	1.2
G0L170000	286	MCHWRC	2A	NA	NA	NA	100 mL	351286	1.2
G0L170000	286	MCHWRL	2A	NA	NA	NA	100 mL	351286	1.2
G0L140439	1	MCAHT	2A	9 inches	0.75 inches	0.75 inches	100 mL	351286	1.2
G0L140439	4	MCAH0	2A	9 inches	0.75 inches	0.75 inches	100 mL	351286	1.2
G0L140439	7	MCAH6	2A	9 inches	0.75 inches	0.75 inches	100 mL	351286	1.2
G0L140439	10	MCAJA	2A	9 inches	0.75 inches	0.75 inches	100 mL	351286	1.2

QCs shared with batch 0351287 (MB, LCS, LCS0)

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).

Page 1 of 1

QA-372B Rev. TP 11/17/2008

Metals Spiking Documentation Form

Lot #(s): 60140439 60170458
 Batch Number: 0351287 EPA Analytical Method ID: 6020 Spiked Date: 12/17/10
0351286 EPA Prep Method ID: WS-IP-0010 Hot Plate Microwave ID: Met V
 MS Sample(s): NA Method ID: WS-IP-0010 Hot Plate Temp Initial: 93°C
 Analyst Initial/Date: J2 12/17/10 Witness Initial/Date: TP 12/17/10 Final: 93°C
 Correct Folder ID Digestion Cup Lot #: 1008257 Thermometer ID: BT09
 Witness: NA Filter Paper Lot #: 390427 Fin Vol Cup Lot: 100907

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 Al, As, Ba, Se, Sn, Ti Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu Cr Be, Cd Ag	5,000 200 100 50 25 20 5 5.0				
	ICP Part 2 2% HNO ₃	K, Na P, S B, Li, Sr	5,000 1,000 100				
	Si H ₂ O/Tr HF	Si	1,000				J2 12/17/10
/	TACA-1 5% HNO ₃	Al, K, Mg, Ca, Na, Fe, P, B As, Be, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, U, V, Zn, Ba, Li Sr Ag, Ti	500 100 25	3189-6-5	200 µl	NA	8/31/11
/	TACA-2 5% HNO ₃	Mo, Sb, Sn, Ti	100	3189-6-6	200 µl	NA	8/31/11
	Misc. Elements						J2 12/17/10

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO ₃	Mallinckrodt			30% H ₂ O ₂	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	
/	3M HNO ₃	In-House	4028-35-1		1:1 HCl	In-House	J2 12/17/10

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.

Prep Batch(es) 0351287 0351286 Test: 6020
 Prep Date: 12/17/10 Holding Times: 6/15/11 6/11/11 NCM: Y

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: TV Date: 12/17/10
 2nd Level Reviewer: SA Date: 12/19/10

Comments:

Serial Dilution

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 12/20/10 07:06:26

Department: 120 (Metals)

Source: MetEdit

Sample: MCAHTP5

Serial Dilution: 5.00

Sample Dilution: 1.00

Instrument: ICPMS M01

Channel 261

File: 101219A1 # 58

Method 6020_

Acquired: 12/19/2010 17:06:30

M01

Matrix: AIR

Calibrated: 12/19/2010 16:50:39

Units: ug/L

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7439-96-5	Manganese	55	10926952	2828.4	2787.9	1.45	0.14	1.5	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	19653	0.74126	0.94230	21.3	0.41	NC	<input checked="" type="checkbox"/>
LITHIUM6	Lithium-6			0	101.05	100		*	
7440-41-7	Beryllium			0	0.00541	100		*	
7440-47-3	Chromium			0	3.5849	100		*	
7440-02-0	Nickel			0	3.7060	100		*	
7440-50-8	Copper			0	70.694	100		*	
7440-66-6	Zinc			0	41.692	100		*	
7440-43-9	Cadmium			0	1.1670	100		*	
7440-74-6	Indium			0	101.96	100		*	
7440-36-0	Antimony			0	2.5964	100		*	
7440-39-3	Barium			0	58.339	100		*	
7440-30-4	Thulium			0	99.623	100		*	
7439-92-1	Lead			0	5.1421	100		*	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1693361		<input type="checkbox"/>

* Analyte not requested for this batch, no MDL

NC : Serial dilution concentration < 100 X MDL

E : Difference greater than Limit (10%)

Reviewed by:	Date:
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Post Digestion Spike

TAL West Sac

SAMPLE SPIKE

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:06:40

Department: 120 (Metals) Source: MetEdit

Sample: MCAHTZ Spike Dilution: 1.00 Sample Dilution: 1.00

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 59 Method 6020_
 Acquired: 12/19/2010 17:09:07 M01 Matrix: AIR
 Calibrated: 12/19/2010 16:50:39 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7439-96-5	Manganese	55	55040801	2969.2	2787.9	90.6	200	*	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	610648	199.26	0.94230	99.2	200		<input checked="" type="checkbox"/>
LITHIUM6	Lithium-6			0	101.05				
7440-41-7	Beryllium			0	0.00541				
7440-47-3	Chromium			0	3.5849				
7440-02-0	Nickel			0	3.7060				
7440-50-8	Copper			0	70.694				
7440-66-6	Zinc			0	41.692				
7440-43-9	Cadmium			0	1.1670				
7440-74-6	Indium			0	101.96				
7440-36-0	Antimony			0	2.5964				
7440-39-3	Barium			0	58.339				
7440-30-4	Thulium			0	99.623				
7439-92-1	Lead			0	5.1421				

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1625648		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Calibration Verification Summary

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)	Instrument: M01	Reported: 12/20/10 07:03:53
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File ID: 101219A1

Analyst: harcraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Rinse 2X				2.0	12/19/10 13:17	<input type="checkbox"/>
2	Blank				1.0	12/19/10 13:21	<input type="checkbox"/>
3	Standard1				1.0	12/19/10 13:25	<input type="checkbox"/>
4	ICV				1.0	12/19/10 13:29	<input type="checkbox"/>
5	ICB				1.0	12/19/10 13:33	<input type="checkbox"/>
6	LLSTD1				1.0	12/19/10 13:37	<input type="checkbox"/>
7	ICSA				1.0	12/19/10 13:42	<input type="checkbox"/>
8	ICSAB				1.0	12/19/10 13:53	<input type="checkbox"/>
9	Rinse				1.0	12/19/10 14:00	<input type="checkbox"/>
10	CCV 1				1.0	12/19/10 14:08	<input type="checkbox"/>
11	CCB 1				1.0	12/19/10 14:12	<input type="checkbox"/>
14	CCV 2				1.0	12/19/10 14:15	<input type="checkbox"/>
15	CCB 2				1.0	12/19/10 14:19	<input type="checkbox"/>
16	LLSTD1				1.0	12/19/10 14:23	<input type="checkbox"/>
17	MCFEAB	G0L160000	0350251	2A	1.0	12/19/10 14:43	<input type="checkbox"/>
18	MCFEAC	G0L160000	0350251	2A	1.0	12/19/10 14:47	<input type="checkbox"/>
19	MCFEAL	G0L160000	0350251	2A	1.0	12/19/10 14:51	<input type="checkbox"/>
20	MCE8A	G0L160434-1	0350251	2A	1.0	12/19/10 14:54	<input type="checkbox"/>
21	MCE8AP5	G0L160434	0350251		5.0	12/19/10 14:58	<input type="checkbox"/>
22	MCE8AX	G0L160434-1	0350251	2A	1.0	12/19/10 15:02	<input type="checkbox"/>
23	MCE8AZ	G0L160434-1	0350251		1.0	12/19/10 15:06	<input type="checkbox"/>
24	CCV 3				1.0	12/19/10 15:09	<input type="checkbox"/>
25	CCB 3				1.0	12/19/10 15:13	<input type="checkbox"/>
26	CCV 4				1.0	12/19/10 15:17	<input type="checkbox"/>
27	CCB 4				1.0	12/19/10 15:21	<input type="checkbox"/>
28	MCE8C	G0L160434-2	0350251	2A	1.0	12/19/10 15:25	<input type="checkbox"/>
29	MCE8D	G0L160434-3	0350251	2A	1.0	12/19/10 15:28	<input type="checkbox"/>
30	MCE8E	G0L160434-4	0350251	2A	1.0	12/19/10 15:32	<input type="checkbox"/>
31	MCE8G	G0L160434-6	0350251	2A	1.0	12/19/10 15:36	<input type="checkbox"/>
32	MCG43	G0L170458-1	0351287	2A	1.0	12/19/10 15:39	<input type="checkbox"/>
33	CCV 5				1.0	12/19/10 15:43	<input type="checkbox"/>
34	CCB 5				1.0	12/19/10 15:47	<input type="checkbox"/>
35	CCV 6				1.0	12/19/10 15:51	<input type="checkbox"/>
36	CCB 6				1.0	12/19/10 15:55	<input type="checkbox"/>
37	MCHWXB	G0L170000	0351287	2A	1.0	12/19/10 15:58	<input type="checkbox"/>
38	MCHWXC	G0L170000	0351287	2A	1.0	12/19/10 16:02	<input type="checkbox"/>
39	MCHWXL	G0L170000	0351287	2A	1.0	12/19/10 16:06	<input type="checkbox"/>
40	MCG43P5	G0L170458	0351287		5.0	12/19/10 16:10	<input type="checkbox"/>
41	MCG43X	G0L170458-1	0351287	2A	1.0	12/19/10 16:13	<input type="checkbox"/>
42	MCG43Z	G0L170458-1	0351287		1.0	12/19/10 16:17	<input type="checkbox"/>
43	MCG48	G0L170458-2	0351287	2A	1.0	12/19/10 16:21	<input type="checkbox"/>
44	MCG5C	G0L170458-3	0351287	2A	1.0	12/19/10 16:25	<input type="checkbox"/>
45	MCG5F	G0L170458-4	0351287	2A	1.0	12/19/10 16:28	<input type="checkbox"/>
46	MCAHT	G0L140439-1	0351286	2A	1.0	12/19/10 16:36	<input type="checkbox"/>
47	CCV 7				1.0	12/19/10 16:40	<input type="checkbox"/>
48	CCB 7				1.0	12/19/10 16:44	<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 12/20/10 07:03:53

File ID: 101219A1

Analyst: hargraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
49	CCV 8				1.0 12/19/10 16:47		<input type="checkbox"/>
50	CCB 8				1.0 12/19/10 16:50		<input type="checkbox"/>
53	CCV 9				1.0 12/19/10 16:53		<input type="checkbox"/>
54	CCB 9				1.0 12/19/10 16:56		<input type="checkbox"/>
55	MCHWRB	G0L170000	0351286	2A	1.0 12/19/10 16:58		<input type="checkbox"/>
56	MCHWRC	G0L170000	0351286	2A	1.0 12/19/10 17:01		<input type="checkbox"/>
57	MCHWRL	G0L170000	0351286	2A	1.0 12/19/10 17:03		<input type="checkbox"/>
58	MCAHTP5	G0L140439	0351286		5.0 12/19/10 17:06		<input type="checkbox"/>
59	MCAHTZ	G0L140439-1	0351286		1.0 12/19/10 17:09		<input type="checkbox"/>
60	MCAH0	G0L140439-4	0351286	2A	1.0 12/19/10 17:11		<input type="checkbox"/>
61	MCAH6	G0L140439-7	0351286	2A	1.0 12/19/10 17:14		<input type="checkbox"/>
62	MCAJA	G0L140439-10	0351286	2A	1.0 12/19/10 17:16		<input type="checkbox"/>
63	XXX				1.0 12/19/10 17:19		<input type="checkbox"/>
64	CCV 10				1.0 12/19/10 17:22		<input type="checkbox"/>
65	CCB 10				1.0 12/19/10 17:24		<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 12/20/10 07:03:53

File ID: 101219A1

Analyst: harcraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	12/19/10 13:17	94.3	89.8	92.0	88.8	<input type="checkbox"/>
2	Blank	12/19/10 13:21	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
3	Standard1	12/19/10 13:25	101.2	98.5	104.5	100.2	<input checked="" type="checkbox"/>
4	ICV	12/19/10 13:29	101.3	98.0	107.4	101.5	<input checked="" type="checkbox"/>
5	ICB	12/19/10 13:33	100.6	97.7	105.0	101.6	<input checked="" type="checkbox"/>
6	LLSTD1	12/19/10 13:37	102.7	98.3	103.9	100.7	<input checked="" type="checkbox"/>
7	ICSA	12/19/10 13:42	89.1	88.8	87.7	86.0	<input checked="" type="checkbox"/>
8	ICSAB	12/19/10 13:53	88.5	88.4	89.5	86.9	<input checked="" type="checkbox"/>
9	Rinse	12/19/10 14:00	99.0	97.8	102.5	102.2	<input checked="" type="checkbox"/>
10	CCV 1	12/19/10 14:08	102.5	98.4	102.2	100.1	<input checked="" type="checkbox"/>
11	CCB 1	12/19/10 14:12	102.3	99.1	102.4	102.1	<input checked="" type="checkbox"/>
14	CCV 2	12/19/10 14:15	99.6	98.8	100.2	98.1	<input checked="" type="checkbox"/>
15	CCB 2	12/19/10 14:19	98.8	99.7	98.1	98.7	<input checked="" type="checkbox"/>
16	LLSTD1	12/19/10 14:23	101.0	100.2	98.6	99.1	<input checked="" type="checkbox"/>
17	MCFEAB	12/19/10 14:43	102.1	102.9	101.3	104.0	<input checked="" type="checkbox"/>
18	MCFEAC	12/19/10 14:47	98.7	99.9	99.7	100.4	<input checked="" type="checkbox"/>
19	MCFEAL	12/19/10 14:51	97.8	99.6	99.7	100.2	<input checked="" type="checkbox"/>
20	MCE8A	12/19/10 14:54	98.1	99.1	96.7	99.8	<input checked="" type="checkbox"/>
21	MCE8AP5	12/19/10 14:58	101.3	99.8	100.5	98.9	<input type="checkbox"/>
22	MCE8AX	12/19/10 15:02	99.1	101.4	98.7	100.0	<input checked="" type="checkbox"/>
23	MCE8AZ	12/19/10 15:06	97.8	99.3	99.9	99.1	<input checked="" type="checkbox"/>
24	CCV 3	12/19/10 15:09	99.1	97.0	100.7	96.2	<input checked="" type="checkbox"/>
25	CCB 3	12/19/10 15:13	101.9	101.1	101.8	99.4	<input checked="" type="checkbox"/>
26	CCV 4	12/19/10 15:17	100.7	98.2	101.6	95.6	<input checked="" type="checkbox"/>
27	CCB 4	12/19/10 15:21	101.8	100.8	101.4	97.7	<input checked="" type="checkbox"/>
28	MCE8C	12/19/10 15:25	99.5	101.5	97.7	98.2	<input checked="" type="checkbox"/>
29	MCE8D	12/19/10 15:28	100.0	101.4	99.0	97.8	<input checked="" type="checkbox"/>
30	MCE8E	12/19/10 15:32	101.0	102.2	100.2	101.1	<input checked="" type="checkbox"/>
31	MCE8G	12/19/10 15:36	102.3	102.7	101.0	103.7	<input checked="" type="checkbox"/>
32	MCG43	12/19/10 15:39	102.2	102.8	99.8	101.5	<input checked="" type="checkbox"/>
33	CCV 5	12/19/10 15:43	103.3	99.9	104.4	96.1	<input checked="" type="checkbox"/>
34	CCB 5	12/19/10 15:47	104.6	101.7	102.3	98.1	<input checked="" type="checkbox"/>
35	CCV 6	12/19/10 15:51	104.7	101.1	106.6	98.8	<input checked="" type="checkbox"/>
36	CCB 6	12/19/10 15:55	105.4	101.6	103.4	99.3	<input checked="" type="checkbox"/>
37	MCHWXB	12/19/10 15:58	102.9	103.0	101.9	101.9	<input checked="" type="checkbox"/>
38	MCHWXC	12/19/10 16:02	100.5	100.8	102.7	100.3	<input checked="" type="checkbox"/>
39	MCHWXL	12/19/10 16:06	98.7	100.1	103.1	100.6	<input checked="" type="checkbox"/>
40	MCG43P5	12/19/10 16:10	101.4	99.0	103.8	98.8	<input type="checkbox"/>
41	MCG43X	12/19/10 16:13	99.6	101.4	101.3	100.7	<input checked="" type="checkbox"/>
42	MCG43Z	12/19/10 16:17	98.9	99.2	101.2	99.1	<input checked="" type="checkbox"/>
43	MCG48	12/19/10 16:21	97.8	99.2	99.6	98.3	<input checked="" type="checkbox"/>
44	MCG5C	12/19/10 16:25	99.1	99.3	99.1	97.0	<input checked="" type="checkbox"/>
45	MCG5F	12/19/10 16:28	99.7	100.6	101.1	99.5	<input checked="" type="checkbox"/>
46	MCAHT	12/19/10 16:36	100.0	102.0	101.1	99.6	<input checked="" type="checkbox"/>
47	CCV 7	12/19/10 16:40	101.3	98.2	104.8	95.2	<input checked="" type="checkbox"/>
48	CCB 7	12/19/10 16:44	104.2	101.1	105.5	98.9	<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)	M01 (M01)	Reported: 12/20/10 07:03:53
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File ID: 101219A1

Analyst: hararaves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	CCV 8	12/19/10 16:47	120.9				<input checked="" type="checkbox"/>
50	CCB 8	12/19/10 16:50	123.0				<input checked="" type="checkbox"/>
53	CCV 9	12/19/10 16:53	98.8				<input checked="" type="checkbox"/>
54	CCB 9	12/19/10 16:56	99.4				<input checked="" type="checkbox"/>
55	MCHWRB	12/19/10 16:58	96.9				<input checked="" type="checkbox"/>
56	MCHWRC	12/19/10 17:01	96.9				<input checked="" type="checkbox"/>
57	MCHWRL	12/19/10 17:03	93.6				<input checked="" type="checkbox"/>
58	MCAHTP5	12/19/10 17:06	96.9				<input type="checkbox"/>
59	MCAHTZ	12/19/10 17:09	93.0				<input checked="" type="checkbox"/>
60	MCAH0	12/19/10 17:11	93.4				<input checked="" type="checkbox"/>
61	MCAH6	12/19/10 17:14	95.3				<input checked="" type="checkbox"/>
62	MCAJA	12/19/10 17:16	96.5				<input checked="" type="checkbox"/>
63	XXX	12/19/10 17:19	156.7				<input type="checkbox"/>
64	CCV 10	12/19/10 17:22	100.4				<input checked="" type="checkbox"/>
65	CCB 10	12/19/10 17:24	99.5				<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 12/20/10 07:05:01

Method: 6020

Instrument: M01

Batch: 101219A1

Sample ID	Type	File - Sequence	Analyzed Date	Q
<i>ICV</i>	<i>ICV</i>	<i>101219A1, 4</i>	<i>12/19/2010 13:29:43</i>	<input type="checkbox"/>
<i>ICB</i>	<i>ICB</i>	<i>101219A1, 5</i>	<i>12/19/2010 13:33:33</i>	<input type="checkbox"/>
<i>ICSA</i>	<i>ICSA</i>	<i>101219A1, 7</i>	<i>12/19/2010 13:42:00</i>	<input type="checkbox"/>
<i>ICSAB</i>	<i>ICSAB</i>	<i>101219A1, 8</i>	<i>12/19/2010 13:53:19</i>	<input type="checkbox"/>
<i>CCV 1</i>	<i>CCV</i>	<i>101219A1, 10</i>	<i>12/19/2010 14:08:18</i>	<input type="checkbox"/>
<i>CCB 1</i>	<i>CCB</i>	<i>101219A1, 11</i>	<i>12/19/2010 14:12:08</i>	<input type="checkbox"/>
<i>CCV 2</i>	<i>CCV</i>	<i>101219A1, 14</i>	<i>12/19/2010 14:15:57</i>	<input type="checkbox"/>
<i>CCB 2</i>	<i>CCB</i>	<i>101219A1, 15</i>	<i>12/19/2010 14:19:47</i>	<input type="checkbox"/>
<i>CCV 3</i>	<i>CCV</i>	<i>101219A1, 24</i>	<i>12/19/2010 15:09:50</i>	<input type="checkbox"/>
<i>CCB 3</i>	<i>CCB</i>	<i>101219A1, 25</i>	<i>12/19/2010 15:13:40</i>	<input type="checkbox"/>
<i>CCV 4</i>	<i>CCV</i>	<i>101219A1, 26</i>	<i>12/19/2010 15:17:30</i>	<input type="checkbox"/>
<i>CCB 4</i>	<i>CCB</i>	<i>101219A1, 27</i>	<i>12/19/2010 15:21:20</i>	<input type="checkbox"/>
<i>CCV 5</i>	<i>CCV</i>	<i>101219A1, 33</i>	<i>12/19/2010 15:43:44</i>	<input type="checkbox"/>
<i>CCB 5</i>	<i>CCB</i>	<i>101219A1, 34</i>	<i>12/19/2010 15:47:34</i>	<input type="checkbox"/>
<i>CCV 6</i>	<i>CCV</i>	<i>101219A1, 35</i>	<i>12/19/2010 15:51:24</i>	<input type="checkbox"/>
<i>CCB 6</i>	<i>CCB</i>	<i>101219A1, 36</i>	<i>12/19/2010 15:55:14</i>	<input type="checkbox"/>
<i>CCV 7</i>	<i>CCV</i>	<i>101219A1, 47</i>	<i>12/19/2010 16:40:17</i>	<input type="checkbox"/>
<i>CCB 7</i>	<i>CCB</i>	<i>101219A1, 48</i>	<i>12/19/2010 16:44:06</i>	<input type="checkbox"/>
<i>CCV 8</i>	<i>CCV</i>	<i>101219A1, 49</i>	<i>12/19/2010 16:47:57</i>	<input type="checkbox"/>
<i>CCB 8</i>	<i>CCB</i>	<i>101219A1, 50</i>	<i>12/19/2010 16:50:39</i>	<input type="checkbox"/>
<i>CCV 9</i>	<i>CCV</i>	<i>101219A1, 53</i>	<i>12/19/2010 16:53:21</i>	<input type="checkbox"/>
<i>CCB 9</i>	<i>CCB</i>	<i>101219A1, 54</i>	<i>12/19/2010 16:56:04</i>	<input type="checkbox"/>
<i>CCV 10</i>	<i>CCV</i>	<i>101219A1, 64</i>	<i>12/19/2010 17:22:03</i>	<input type="checkbox"/>
<i>CCB 10</i>	<i>CCB</i>	<i>101219A1, 65</i>	<i>12/19/2010 17:24:45</i>	<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: ICV (ICV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 4 Method 6020_
 Acquired: 12/19/2010 13:29:43 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	14221	78.392	80.000	98.0	
7440-47-3	Chromium	52	721080	79.601	80.000	99.5	
7439-96-5	Manganese	55	1125686	80.602	80.000	101	
7440-02-0	Nickel	60	187070	79.860	80.000	99.8	
7440-50-8	Copper	65	210412	79.725	80.000	99.7	
7440-66-6	Zinc	68	78917	79.123	80.000	98.9	
7440-38-2	Arsenic	75	227740	78.717	80.000	98.4	
7440-43-9	Cadmium	111	188340	79.044	80.000	98.8	
7440-36-0	Antimony	121	323066	38.677	40.000	96.7	
7440-39-3	Barium	135	181833	79.111	80.000	98.9	
7439-92-1	Lead	208	2146150	80.978	80.000	101	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	286748		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1407211		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1347297		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	886161		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: ICB Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 5 Method 6020_
 Acquired: 12/19/2010 13:33:33 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	16	-0.01835	1.0	0.078	0.0	
7440-47-3	Chromium	52	29560	-0.06957	2.0	0.92	0.0	
7439-96-5	Manganese	55	31053	0.02801	1.0	0.083	0.0	
7440-02-0	Nickel	60	999	0.00659	2.0	0.098	0.0	
7440-50-8	Copper	65	673	0.00374				
7440-66-6	Zinc	68	1952	-0.00826	5.0	1.0	0.0	
7440-38-2	Arsenic	75	18052	-0.07697	2.0	0.50	0.0	
7440-43-9	Cadmium	111	243	0.00969	1.0	0.074	0.0	
7440-36-0	Antimony	121	1124	0.06458	2.0	0.036	0.0	
7440-39-3	Barium	135	413	-0.00003	1.0	0.96	0.0	
7439-92-1	Lead	208	4612	0.00709	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	280176		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1396862		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1342468		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	886771		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: ICSA

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 7 Method 6020_
 Acquired: 12/19/2010 13:42:00 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	7	-0.06186	*		<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	36753	1.3118	*		<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	77496	4.2122	*		
7440-02-0	Nickel	60	6226	2.6106	*		
7440-50-8	Copper	65	1475	0.38401	*		
7440-66-6	Zinc	68	2128	0.45955	*		<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	18233	0.88799	*		<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	2151	0.90541	*		<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	1550	0.13444	*		<input checked="" type="checkbox"/>
7440-39-3	Barium	135	5687	2.5568	*		
7439-92-1	Lead	208	10633	0.30760	*		<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	234247				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1237145				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1220238				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	750516				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: ICSAB

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 8 Method 6020_
 Acquired: 12/19/2010 13:53:19 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	14235	94.185	100.00	94.2	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	719121	91.359	100.00	91.4	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	1172131	96.505	100.00	96.5	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	186376	91.127	100.00	91.1	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	199104	86.391	100.00	86.4	<input checked="" type="checkbox"/>
7440-66-6	Zinc	68	75171	86.453	100.00	86.5	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	245776	98.904	100.00	98.9	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	207142	96.353	100.00	96.4	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	369177	48.996	50.000	98.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	214461	103.45	100.00	103	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	2090459	92.157	100.00	92.2	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	238895				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1229236				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1215813				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	758611				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 1 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 10 Method 6020_
 Acquired: 12/19/2010 14:08:18 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	17495	101.43	100.00	101	
7440-47-3	Chromium	52	898714	98.887	100.00	98.9	
7439-96-5	Manganese	55	1399878	99.603	100.00	99.6	
7440-02-0	Nickel	60	237322	100.26	100.00	100	
7440-50-8	Copper	65	266648	99.946	100.00	99.9	
7440-66-6	Zinc	68	99532	99.145	100.00	99.1	
7440-38-2	Arsenic	75	290667	101.13	100.00	101	
7440-43-9	Cadmium	111	241455	100.96	100.00	101	
7440-36-0	Antimony	121	424018	50.584	50.000	101	
7440-39-3	Barium	135	234097	101.50	100.00	101	
7439-92-1	Lead	208	2650746	101.52	100.00	102	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	272774		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1423519		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1352586		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	873362		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCB 1 Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 11 Method 6020_
 Acquired: 12/19/2010 14:12:08 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	4	-0.08160	1.0	0.078	0.0	
7440-47-3	Chromium	52	30281	-0.04456	2.0	0.92	0.0	
7439-96-5	Manganese	55	2618	-2.0845	1.0	0.083	0.0	
7440-02-0	Nickel	60	620	-0.16188	2.0	0.098	0.0	
7440-50-8	Copper	65	161	-0.19345				
7440-66-6	Zinc	68	946	-1.0664	5.0	1.0	0.0	
7440-38-2	Arsenic	75	17539	-0.38162	2.0	0.50	0.0	
7440-43-9	Cadmium	111	39	-0.07642	1.0	0.074	0.0	
7440-36-0	Antimony	121	148	-0.05316	2.0	0.036	0.0	
7440-39-3	Barium	135	148	-0.11729	1.0	0.96	0.0	
7439-92-1	Lead	208	1469	-0.11190	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	273364		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1420744		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1362372		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	891179		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCV 2 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 14 Method 6020_
 Acquired: 12/19/2010 14:15:57 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	17459	99.399	100.00	99.4	
7440-47-3	Chromium	52	880653	98.492	100.00	98.5	
7439-96-5	Manganese	55	1380279	99.173	100.00	99.2	
7440-02-0	Nickel	60	232550	98.553	100.00	98.6	
7440-50-8	Copper	65	262915	99.148	100.00	99.1	
7440-66-6	Zinc	68	98319	99.332	100.00	99.3	
7440-38-2	Arsenic	75	284979	98.519	100.00	98.5	
7440-43-9	Cadmium	111	238613	99.296	100.00	99.3	
7440-36-0	Antimony	121	417159	49.429	50.000	98.9	
7440-39-3	Barium	135	230943	99.130	100.00	99.1	
7439-92-1	Lead	208	2620233	98.784	100.00	98.8	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	273973		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1415745		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1346373		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	874119		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCB 2 Mult: 1.00 Diif: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 15 Method 6020_
 Acquired: 12/19/2010 14:19:47 M01
 Calibrated: 12/19/2010 13:21:59 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	8	0.01975	1.0	0.078	0.0	
7440-47-3	Chromium	52	28240	-0.19667	2.0	0.92	0.0	
7439-96-5	Manganese	55	2706	0.00851	1.0	0.083	0.0	
7440-02-0	Nickel	60	620	0.00286	2.0	0.098	0.0	
7440-50-8	Copper	65	180	0.00803				
7440-66-6	Zinc	68	846	-0.09159	5.0	1.0	0.0	
7440-38-2	Arsenic	75	17748	0.15564	2.0	0.50	0.0	
7440-43-9	Cadmium	111	66	0.01105	1.0	0.074	0.0	
7440-36-0	Antimony	121	838	0.08104	2.0	0.036	0.0	
7440-39-3	Barium	135	176	0.01225	1.0	0.96	0.0	
7439-92-1	Lead	208	1850	0.01499	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	268171		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1404103		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1358425		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	879876		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCV 3 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 24 Method 6020_
 Acquired: 12/19/2010 15:09:50 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	17701	100.22	100.00	100	
7440-47-3	Chromium	52	894447	100.66	100.00	101	
7439-96-5	Manganese	55	1395505	100.81	100.00	101	
7440-02-0	Nickel	60	231939	98.818	100.00	98.8	
7440-50-8	Copper	65	261109	99.007	100.00	99.0	
7440-66-6	Zinc	68	99010	100.59	100.00	101	
7440-38-2	Arsenic	75	286618	99.692	100.00	99.7	
7440-43-9	Cadmium	111	237447	100.64	100.00	101	
7440-36-0	Antimony	121	417047	50.326	50.000	101	
7440-39-3	Barium	135	229357	100.26	100.00	100	
7439-92-1	Lead	208	2611727	100.38	100.00	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	275356		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1407810		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1321745		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	857255		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCB 3 Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 25 Method 6020_
 Acquired: 12/19/2010 15:13:40 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	7	0.01252	1.0	0.078	0.0	
7440-47-3	Chromium	52	30079	-0.08749	2.0	0.92	0.0	
7439-96-5	Manganese	55	2684	0.00113	1.0	0.083	0.0	
7440-02-0	Nickel	60	629	-0.00101	2.0	0.098	0.0	
7440-50-8	Copper	65	238	0.02744				
7440-66-6	Zinc	68	901	-0.06286	5.0	1.0	0.0	
7440-38-2	Arsenic	75	17668	-0.07158	2.0	0.50	0.0	
7440-43-9	Cadmium	111	66	0.01064	1.0	0.074	0.0	
7440-36-0	Antimony	121	302	0.01759	2.0	0.036	0.0	
7440-39-3	Barium	135	202	0.02204	1.0	0.96	0.0	
7439-92-1	Lead	208	1887	0.01589	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	278318		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1447525		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1377617		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	885598		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 4 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 26 Method 6020_
 Acquired: 12/19/2010 15:17:30 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	17434	97.847	100.00	97.8	
7440-47-3	Chromium	52	897687	99.395	100.00	99.4	
7439-96-5	Manganese	55	1393705	99.097	100.00	99.1	
7440-02-0	Nickel	60	233943	98.109	100.00	98.1	
7440-50-8	Copper	65	262431	97.952	100.00	98.0	
7440-66-6	Zinc	68	98589	98.572	100.00	98.6	
7440-38-2	Arsenic	75	288319	98.641	100.00	98.6	
7440-43-9	Cadmium	111	237476	99.446	100.00	99.4	
7440-36-0	Antimony	121	416943	49.713	50.000	99.4	
7440-39-3	Barium	135	227385	98.213	100.00	98.2	
7439-92-1	Lead	208	2578422	99.675	100.00	99.7	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	277816		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1430323		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1337696		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	852304		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 4

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 27 Method 6020_
 Acquired: 12/19/2010 15:21:20 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	5	0.00538	1.0	0.078	0.0	
7440-47-3	Chromium	52	31225	0.04393	2.0	0.92	0.0	
7439-96-5	Manganese	55	2558	-0.00766	1.0	0.083	0.0	
7440-02-0	Nickel	60	628	-0.00123	2.0	0.098	0.0	
7440-50-8	Copper	65	173	0.00323				
7440-66-6	Zinc	68	960	-0.00343	5.0	1.0	0.0	
7440-38-2	Arsenic	75	17513	-0.12373	2.0	0.50	0.0	
7440-43-9	Cadmium	111	41	0.00081	1.0	0.074	0.0	
7440-36-0	Antimony	121	177	0.00318	2.0	0.036	0.0	
7440-39-3	Barium	135	150	0.00034	1.0	0.96	0.0	
7439-92-1	Lead	208	1462	0.00102	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	277246		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1446698		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1373353		<input checked="" type="checkbox"/>
7440-30-4	Thallium	169	870977		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCV 5 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 33 Method 6020_
 Acquired: 12/19/2010 15:43:44 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	18195	99.392	100.00	99.4	
7440-47-3	Chromium	52	932173	100.60	100.00	101	
7439-96-5	Manganese	55	1435587	99.446	100.00	99.4	
7440-02-0	Nickel	60	240460	98.257	100.00	98.3	
7440-50-8	Copper	65	270472	98.362	100.00	98.4	
7440-66-6	Zinc	68	102291	99.667	100.00	99.7	
7440-38-2	Arsenic	75	295857	98.638	100.00	98.6	
7440-43-9	Cadmium	111	243008	100.03	100.00	100	
7440-36-0	Antimony	121	422395	49.507	50.000	99.0	
7440-39-3	Barium	135	229891	97.601	100.00	97.6	
7439-92-1	Lead	208	2592707	99.755	100.00	99.8	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	285395		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1467834		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1360859		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	856383		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 5

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 34 Method 6020_
 Acquired: 12/19/2010 15:47:34 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	7	0.01609	1.0	0.078	0.0	
7440-47-3	Chromium	52	31175	-0.05566	2.0	0.92	0.0	
7439-96-5	Manganese	55	2662	-0.00538	1.0	0.083	0.0	
7440-02-0	Nickel	60	643	-0.00234	2.0	0.098	0.0	
7440-50-8	Copper	65	217	0.01729				
7440-66-6	Zinc	68	938	-0.05093	5.0	1.0	0.0	
7440-38-2	Arsenic	75	18469	0.04252	2.0	0.50	0.0	
7440-43-9	Cadmium	111	71	0.01248	1.0	0.074	0.0	
7440-36-0	Antimony	121	231	0.00918	2.0	0.036	0.0	
7440-39-3	Barium	135	181	0.01270	1.0	0.96	0.0	
7439-92-1	Lead	208	1827	0.01454	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	279710		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1486432		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1386076		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	873872		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCV 6 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 35 Method 6020_
 Acquired: 12/19/2010 15:51:24 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	18437	98.597	100.00	98.6	
7440-47-3	Chromium	52	932124	99.276	100.00	99.3	
7439-96-5	Manganese	55	1461023	99.923	100.00	99.9	
7440-02-0	Nickel	60	243031	98.036	100.00	98.0	
7440-50-8	Copper	65	274695	98.626	100.00	98.6	
7440-66-6	Zinc	68	102747	98.826	100.00	98.8	
7440-38-2	Arsenic	75	298960	98.375	100.00	98.4	
7440-43-9	Cadmium	111	245771	99.961	100.00	100	
7440-36-0	Antimony	121	427105	49.461	50.000	98.9	
7440-39-3	Barium	135	233860	98.106	100.00	98.1	
7439-92-1	Lead	208	2646013	99.023	100.00	99.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	291542		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1486879		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1377313		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	880475		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCB 6 Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 36 Method 6020_
 Acquired: 12/19/2010 15:55:14 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	8	0.01939	1.0	0.078	0.0	
7440-47-3	Chromium	52	30669	-0.13648	2.0	0.92	0.0	
7439-96-5	Manganese	55	2673	-0.00597	1.0	0.083	0.0	
7440-02-0	Nickel	60	651	-0.00099	2.0	0.098	0.0	
7440-50-8	Copper	65	197	0.00989				
7440-66-6	Zinc	68	881	-0.11266	5.0	1.0	0.0	
7440-38-2	Arsenic	75	18504	0.00514	2.0	0.50	0.0	
7440-43-9	Cadmium	111	69	0.01201	1.0	0.074	0.0	
7440-36-0	Antimony	121	184	0.00384	2.0	0.036	0.0	
7440-39-3	Barium	135	180	0.01266	1.0	0.96	0.0	
7439-92-1	Lead	208	1827	0.01368	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	282549		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1497751		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1384069		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	884941		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCV 7 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 47 Method 6020_
 Acquired: 12/19/2010 16:40:17 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	18625	101.39	100.00	101	
7440-47-3	Chromium	52	940048	103.52	100.00	104	
7439-96-5	Manganese	55	1459625	103.08	100.00	103	
7440-02-0	Nickel	60	241178	100.47	100.00	100	
7440-50-8	Copper	65	271757	100.76	100.00	101	
7440-66-6	Zinc	68	103259	102.60	100.00	103	
7440-38-2	Arsenic	75	293512	99.827	100.00	99.8	
7440-43-9	Cadmium	111	242898	101.71	100.00	102	
7440-36-0	Antimony	121	422180	50.343	50.000	101	
7440-39-3	Barium	135	230657	99.617	100.00	99.6	
7439-92-1	Lead	208	2625116	101.99	100.00	102	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	286481		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1439922		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1337799		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	848309		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCB 7 Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 48 Method 6020_
 Acquired: 12/19/2010 16:44:06 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	6	0.00945	1.0	0.078	0.0	
7440-47-3	Chromium	52	31072	-0.05164	2.0	0.92	0.0	
7439-96-5	Manganese	55	3148	0.02896	1.0	0.083	0.0	
7440-02-0	Nickel	60	635	-0.00429	2.0	0.098	0.0	
7440-50-8	Copper	65	199	0.01150				
7440-66-6	Zinc	68	926	-0.05782	5.0	1.0	0.0	
7440-38-2	Arsenic	75	18633	0.12921	2.0	0.50	0.0	
7440-43-9	Cadmium	111	75	0.01422	1.0	0.074	0.0	
7440-36-0	Antimony	121	190	0.00459	2.0	0.036	0.0	
7440-39-3	Barium	135	182	0.01385	1.0	0.96	0.0	
7439-92-1	Lead	208	1580	0.00479	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	288407		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1479723		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1377550		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	880952		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCV 8 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 49 Method 6020_
 Acquired: 12/19/2010 16:47:57 M01
 Calibrated: 12/19/2010 14:23:35 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	Manganese	55	1962126	116.22	100.00	116	
7440-38-2	Arsenic	75	333529	94.794	100.00	94.8	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1717452		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 8

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 50 Method 6020_
 Acquired: 12/19/2010 16:50:39 M01
 Calibrated: 12/19/2010 16:47:57 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	Manganese	55	3533	0.01825	1.0	0.083	0.0	
7440-38-2	Arsenic	75	19810	-0.52605	2.0	0.50	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1747540					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: **CCV 9 (CCV)**

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: **ICPMS M01** Channel 261
 File: 101219A1 # 53 Method 6020_
 Acquired: 12/19/2010 16:53:21 M01
 Calibrated: 12/19/2010 16:50:39 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	Manganese	55	1987366	100.73	100.00	101	
7440-38-2	Arsenic	75	335992	100.20	100.00	100	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1726984				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 9

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 54 Method 6020_
 Acquired: 12/19/2010 16:56:04 M01
 Calibrated: 12/19/2010 16:50:39 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	Manganese	55	3592	0.00400	1.0	0.083	0.0	
7440-38-2	Arsenic	75	20642	0.29717	2.0	0.50	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1737657		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/20/10 07:05:01

Department: 120 (Metals) Source: MetEdit

Sample: CCV 10 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01 Channel 261
 File: 101219A1 # 64 Method 6020_
 Acquired: 12/19/2010 17:22:03 M01
 Calibrated: 12/19/2010 16:50:39 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	Manganese	55	1979151	98.760	100.00	98.8	
7440-38-2	Arsenic	75	337469	99.015	100.00	99.0	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1754012				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001)	M01	Reported: 12/20/10 07:05:01
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Department: 120 (Metals)

Source: MetEdit

Sample: CCB 10

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M01	Channel 261
File: 101219A1 # 65	Method 6020_
Acquired: 12/19/2010 17:24:45	M01
Calibrated: 12/19/2010 16:50:39	Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	Manganese	55	3553	0.00194	1.0	0.083	0.0	
7440-38-2	Arsenic	75	19802	0.02801	2.0	0.50	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72						<input checked="" type="checkbox"/>

Reviewed by:	Date:
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AIR, TSP- Total Suspended Particulates

Raw Data Package

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: GOL140439 (1,4,7,10) Batch #: 0355294

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 12/21/10 ANALYST: JZ

LEVEL 1 ANALYSIS REVIEW

	YES	NO	NA
1. Samples are in good condition.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Sample filter number matches the folder or petri ID number.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Desiccator temperature and % humidity criteria in control.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Balance calibration criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Beginning and ending calibration sample bracket weights are in calibration.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Samples reached stable weight.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Samples exceeded 5 consecutive final weighings.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

LEVEL 1 DATA REVIEW

1. Benchsheet is complete.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. QAS or QAPP consulted and followed for client specifics.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Data entered in properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Copy of spreadsheet or logbook raw data entry attached to data package.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Completed By & Date: JZ 12/21/10

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Deviations, Anomalies, Holding times checked and approved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Reanalysis documented and chemist notified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Client specific criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Data entry checked and released in Quantims.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Completed By & Date: SV 12-21-10

Comments: Desiccator 2B

RQC050

TestAmerica Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 12/21/10
Time: 12:31:04

TestAmerica West Sacramen

PRODUCTION FIGURES - WET CHEM

<u>TOTAL</u> <u>NUMBER</u>	<u>SAMPLE</u> <u>NUMBER</u>	<u>QC</u>	<u>RE-RUN</u> <u>MATRIX</u>	<u>RE-RUN</u> <u>OTHER</u>	<u>MISC</u> <u>NUMBER</u>	<u>TOTAL</u> <u>HOURS</u>	<u>EXPANDED</u> <u>DELIVERABLE</u>
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METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
 QC BATCH #: 0355294 INITIALS: DATA ENTRY:
 PREP DATE: 12/14/10 10:50 PREP JZ INITIALS JZ
 COMP DATE: 12/17/10 11:27 ANAL JZ DATE 12/21/10
 USER: PHOMSOPT

<u>Work Order</u>	<u>Lab Number</u>	<u>Structured</u> <u>Analysis</u>	<u>Exp.</u> <u>Del.</u>	<u>Analysis</u> <u>Date</u>	<u>Sample ID:</u>
MCAHT-1-AA	G-0L140439-001	XX S 88 AO 3W	M	12/21/10	UW-12092010B
MCAH0-1-AA	G-0L140439-004	XX S 88 AO 3W	M	12/21/10	DW-12092010B
MCAH6-1-AA	G-0L140439-007	XX S 88 AO 3W	M	12/21/10	UW-12102010B
MCAJA-1-AA	G-0L140439-010	XX S 88 AO 3W	M	12/21/10	DW-12102010B

Control Limits

PDE115 TestAmerica Laboratories, Inc.
 Inorganics Batch Review
 QC Batch 0355294

Date 12/21/2010
 Time 12:48:51

Method Code: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
 Analyst: Thep Phomsopha

Work Order	Result	Units	IDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output Idl.	Dil.
MCAHI-1-AA	0.0731	g	0.0005	12/14-12/21/10	.00	N		0.0731	0.0005	1.00
MCAH0-1-AA	0.0481	g	0.0005	12/14-12/21/10	.00	N		0.0481	0.0005	1.00
MCAH6-1-AA	0.0650	g	0.0005	12/14-12/21/10	.00	N		0.0650	0.0005	1.00
MCAJA-1-AA	0.0496	g	0.0005	12/14-12/21/10	.00	N		0.0496	0.0005	1.00

Notes:

TEST TOTAL # 0
 SAMPLE # 0
 PRODUCTION TOTALS
 QC # 0
 MATRIX # 0
 OTHER # 0
 MISC # 0
 HOURS .0

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento Air Toxics

Desiccator Humidity/Temperature Logbook

Date	Init	1			2			3			4			5			6			7			Amb	
		T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	T	RH	
11/9/10	SCF	66	34	-	66	29	-	68	27	(2)	66	32	-	67	34	-	68	36	-	68	32	-	70	34
11/10/10	SCF	67	34	-	68	28	-	69	27	(2)	68	32	-	68	34	-	70	36	-	70	32	-	70	39
11/11/10	SN	65	31	-	66	29	-	67	27	(2)	66	33	-	66	34	-	68	34	-	68	32	-	68	35
11/12/10	SCF	65	33	-	66	29	-	67	28	-	66	33	-	66	34	-	68	35	-	68	32	-	68	33
11/15/10	SCF	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	SCF	66	33	-	67	31	-	68	27	(2)	67	34	-	68	36	-	70	35	-	70	32	-	70	33
11/18/10	SCF	66	44	(7)	66	32	-	67	28	-	66	34	-	66 58	34 (7)	-	68	35	-	68	32	-	68	37
11/19/10	SCF	67	29	-	67	33	-	68	27	(2)	67	34	-	67	29	-	70	35	-	68	33	-	70	46
11/22/10	SN	65	29	-	66	31	-	62	28	-	66	34	-	66	25	-	68	35	-	68	32	-	68	35
11/23/10	SN	67	29	-	67	31	-	68	27	(2)	67	35	-	68	28	-	70	35	-	70	32	-	70	40
11/24/10	SN	65	29	-	65	33	-	67	28	-	66	33	-	66	29	-	66	34	-	68	32	-	68	34
11/26/10	SN	65	29	-	66	32	-	67	28	-	66	33	-	67	29	-	69	34	-	68	32	-	68	35
11/27/10	SN	65	29	-	65	33	-	67	28	-	65	33	-	66	29	-	68	33	-	68	32	-	68	33
11/29/10	SN	65	29	-	66	33	-	67	28	-	66	33	-	66	29	-	68	33	-	68	32	-	68	37

Abbreviations: T = Temperature (°F)
 Limits: RH 33± 5%
 Foot Notes: 1 = Desiccant Changed

RH = Relative Humidity (%)
 Temperature 22± 5 °C or 71.6± 9°F
 2 = Desiccator < 28% Humidity

FN = Foot Note

Revised 11/15/10

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		
11-20-10	ECF	65	30	-	65	33	-	67	28	-	66	33	-	66	29	-	68	33	-	68	32	-	68	30
12/1/10	ECF	64	31	-	65	33	-	66	29	-	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	ECF	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	+	69	31	-	68	37	+	68	34	-	70	34	-	70	32	-	70	43
12/9/10	ECF	69	31	-	69	28	-	70	32	-	69	28	-	70	37	-	72	35	-	72	32	-	72	49
12/10/10	ECF	68	31	-	68	28	-	70	34	-	69	29	-	69	30	-	70	35	-	70	31	-	72	47
12/11/10	ECF	69	32	-	69	28	-	70	33	-	69	28	-	70	28	-	72	35	-	72	35	-	72	44
12/15/10	ECF	66	32	-	67	31	-	68	33	-	67	29	-	67	29	-	70	35	-	68	33	-	70	36
12/16/10	ECF	65	32	-	65	32	-	66	33	-	65	29	-	66	29	-	68	35	-	68	33	-	68	31
12/17/10	ECF	65	32	-	66	32	-	67	33	-	66	29	-	66	29	-	68	35	-	68	33	-	68	35
12-18-10	ECF	65	32	-	65	32	-	70	33	-	69	31	-	69	28	-	70	35	-	70	33	-	72	38
12-20-10	ECF	68	31	-	69	33	-	71	33	-	68	31	-	69	28	-	70	35	-	70	33	-	70	35

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

Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits ²		Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits ²		DATE	INIT.	WEIGHT ID	P/F ⁴
		Lower (g)	Upper (g)			Lower (g)	Upper (g)				
0.2000	0.2003	0.1995	0.2005	10.00	10.0003	9.9000	10.1000	11/10/10	JZ	QA-011	P
0.2g	0.2000	0.1995	0.2005	10.00	10.0001	9.9000	10.1000	11/11/10	SN	QA-11	P
0.2g	0.1999	0.1995	0.2005	10.00	10.0002	9.9000	10.1000	11/21/10	ECF	QA-11	P
0.2g	0.2001	0.1995	0.2005	10.00	10.0001	9.9000	10.1000	11/15/10	ECF	QA-11	P
0.2000	0.1998	0.1995	0.2005	10.0	9.9997	9.9000	10.1000	11/16/10	JZ	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/17/10	ECF	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/18/10	JZ	QA-011	P
0.2000	0.2002	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/18/10	JZ	QA-011	P
0.2g	0.2001	0.1995	0.2005	10.0	10.0002	9.9000	10.1000	11/21/10	SN	QA-11	P
0.2g	0.2001	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/21/10	SN	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/21/10	SN	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/21/10	SN	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/21/10	SN	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/21/10	SN	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0	10.0000	9.9000	10.1000	11/21/10	SN	QA-11	P

1. P = Pass, F = Fail. The observed weight must be within 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 - 10.1000
0.5000	0.4995 - 0.5005	20	19.8000 - 20.2000
1	0.9900 - 1.0100	50	49.5000 - 50.5000
2	1.9800 - 2.0200	100	99.0000 - 101.0000
5	4.9500 - 5.0500		

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 11/15/10
AP*

Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits ²		Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits ²		DATE	INT.	WEIGHT ID	P/F ¹
		Lower (g)	Upper (g)			Lower (g)	Upper (g)				
		WEIGHT #1				WEIGHT #2					
0.2000	0.2001	0.1995	0.2005	10.0000	9.9994	9.9990	10.1000	11/30/10	12	QA 011	P
0.2000	0.2002	0.1995	0.2005	16.0000	9.9995	9.9990	16.1000	12/1/10	12	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	9.9994	9.9990	10.1000	12/2/10	SN	QA-11	P
0.2000	0.2000	0.1995	0.2005	10.0000	9.9997	9.9992	10.1000	12/3/10	SN	QA-11	P
0.2000	0.2002	0.1995	0.2005	10.0000	10.0003	9.9999	10.1000	12/6/10	12	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0000	10.0001	9.9999	10.1000	12/7/10	12	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0000	9.9999	10.1000	12/8/10	12	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0001	9.9999	10.1000	12/9/10	12	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0001	9.9999	10.1000	12/13/10	SN	QA-11	P
0.2000	0.2002	0.1995	0.2005	10.0000	9.9998	9.9998	10.1000	12/14/10	12	QA 011	P
0.2000	0.2003	0.1995	0.2005	10.0000	10.0000	9.9998	10.1000	12/15/10	SN	QA-11	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0000	9.9998	10.1000	12/16/10	12	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0000	9.9998	9.9998	10.1000	12/17/10	12	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0000	10.0002	9.9998	10.1000	12/20/10	12	QA 011	P

¹ P= Pass, F= Fail. The observed weight must be within 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	9.9900 - 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.

RDR150

Analytical Results Batch Review/Release

12/21/10

14:13:21

Requested By: VALMORES

<u>Batch</u>	<u>Lot/Sample ID</u>	<u>Analysis Code</u>	<u>W/O#</u>	<u>Group</u>	<u>Message</u>
0355294					Release Requested
0355294					Successfully Released